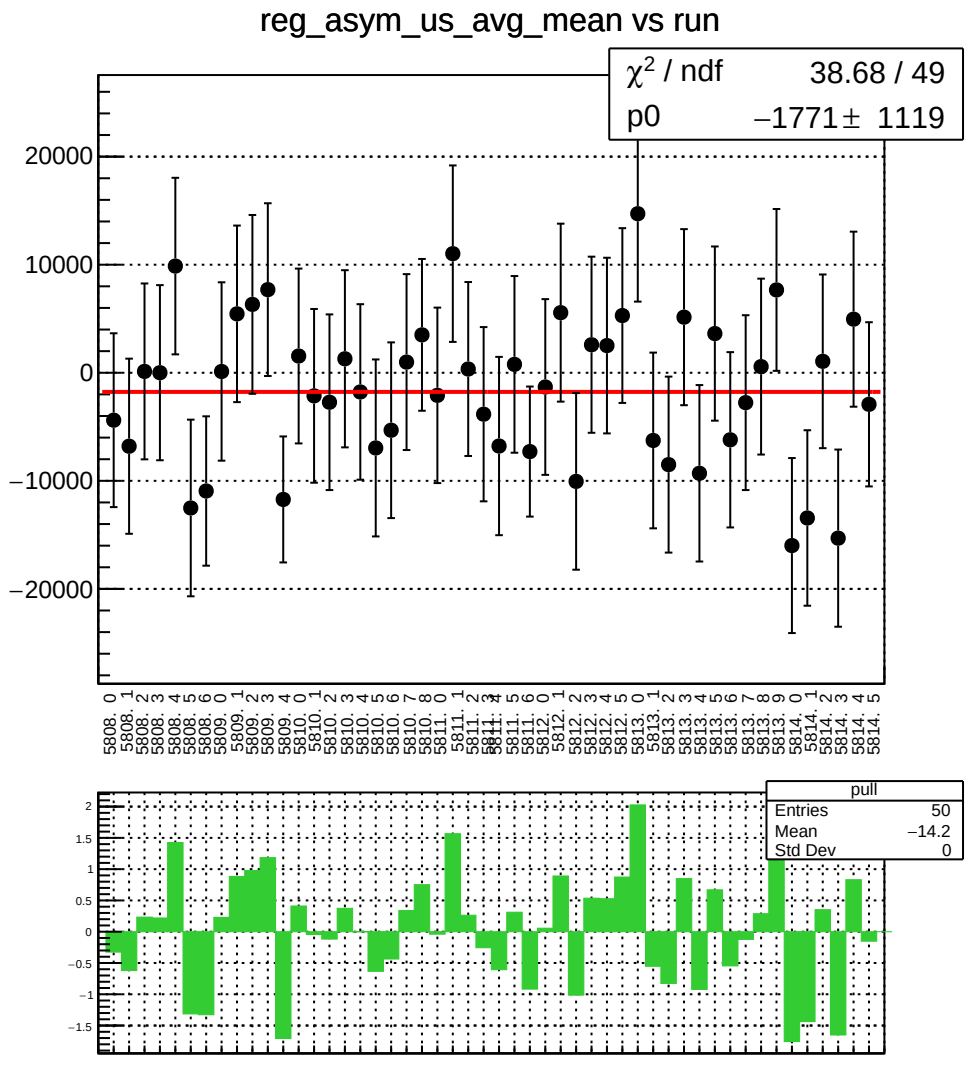
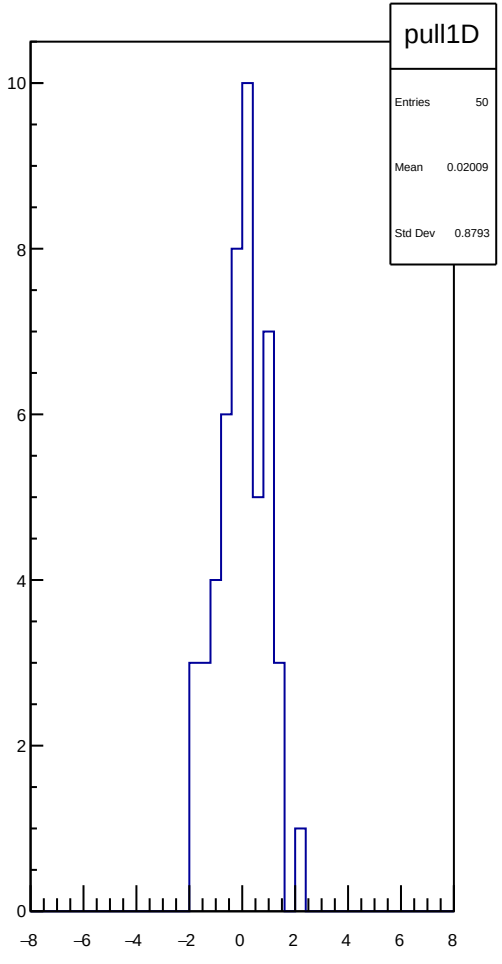

reg_asym_us_avg_mean vs run
χ² / ndf 38.68 / 49
p0 −1771 ± 1119
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −14.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean 0.02009
Std Dev 0.8793
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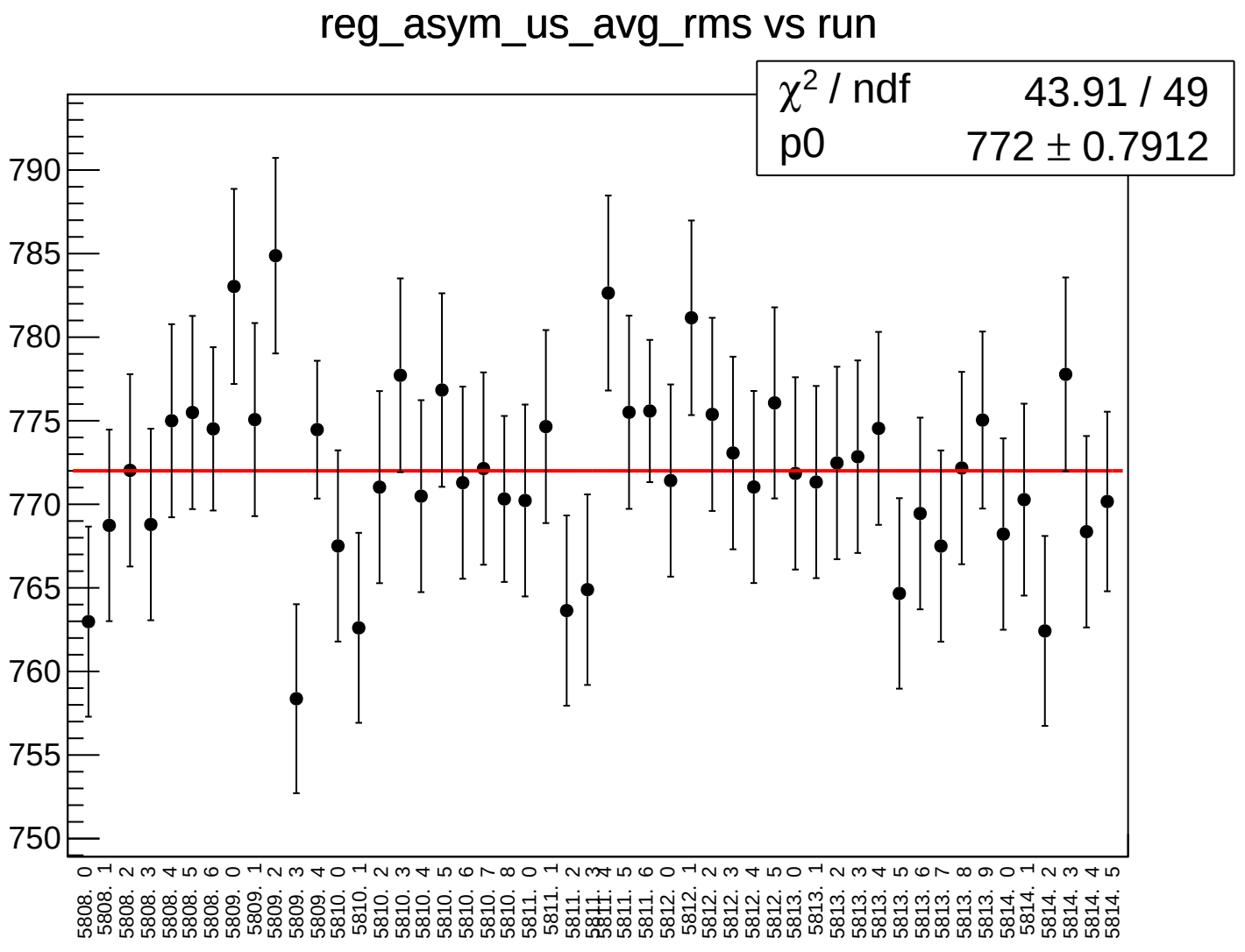
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ² / ndf 43.91 / 49
p0 772 ± 0.7912
790
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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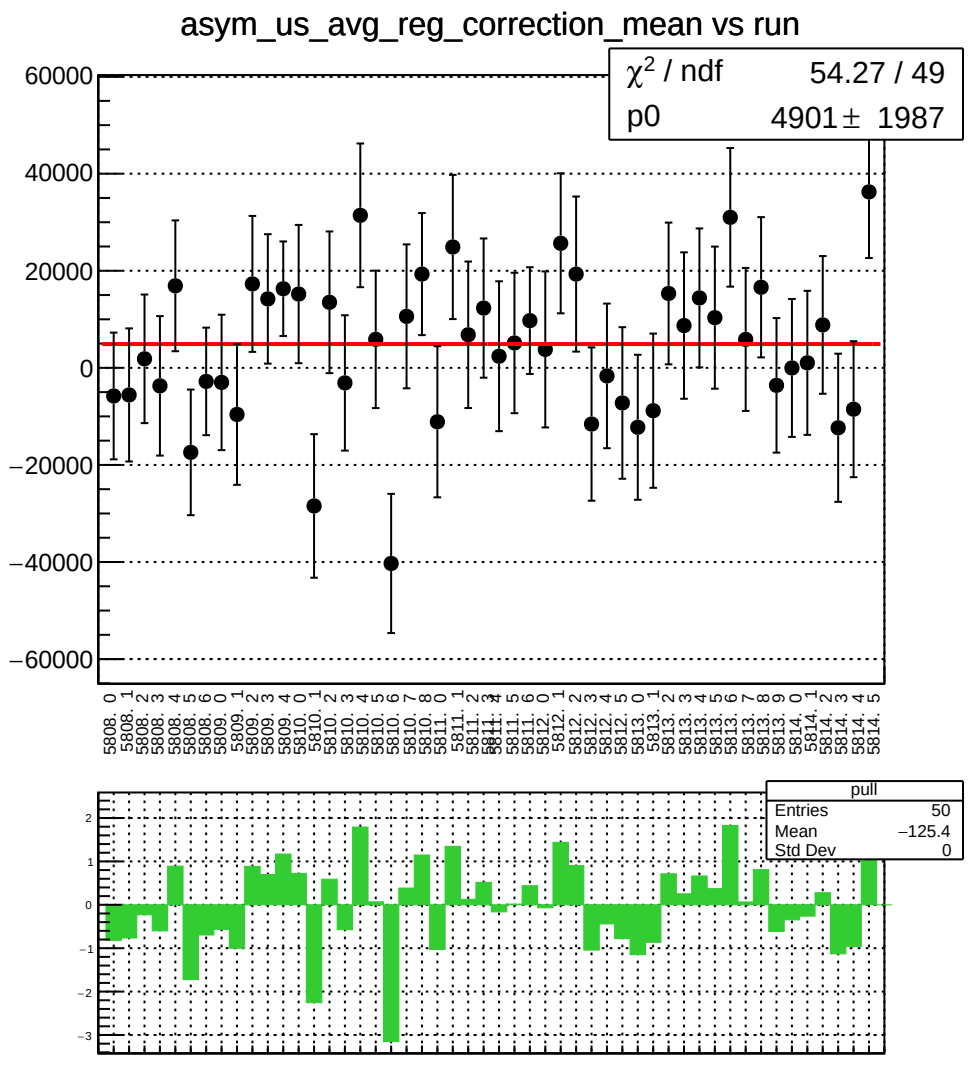
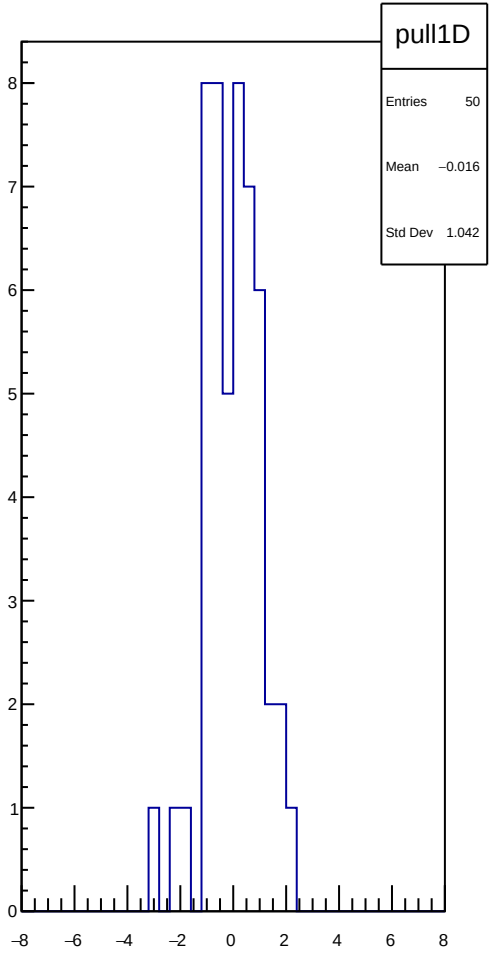
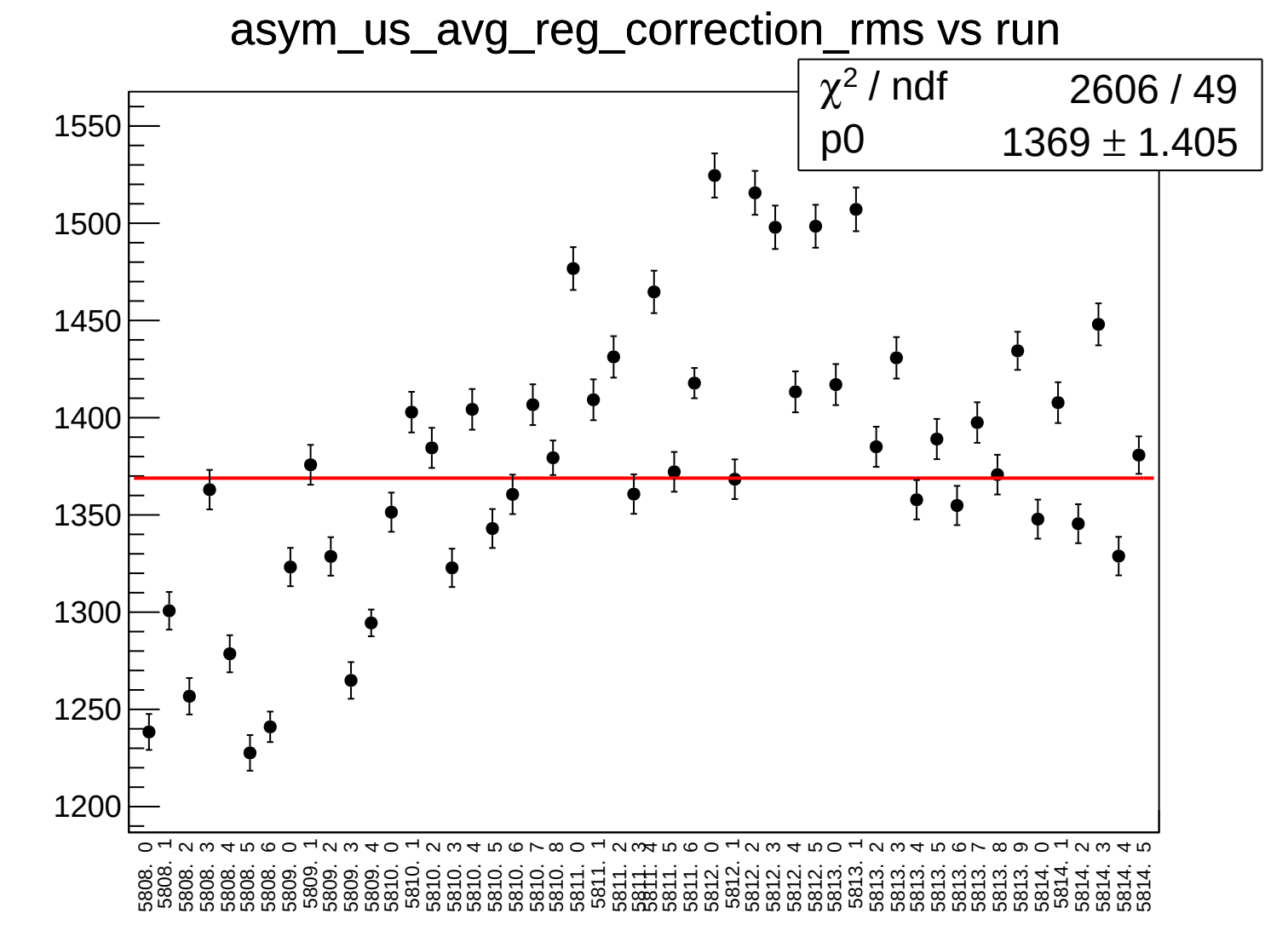
5814. 4
5814. 5


asym_us_avg_reg_correction_mean vs run
χ² / ndf 54.27 / 49
p0 4901 ± 1987
pull
Entries 50
Mean −125.4
Std Dev 0


pull1D
Entries 50
Mean −0.016
Std Dev 1.042


asym_us_avg_reg_correction_rms vs run
χ² / ndf 2606 / 49
p0 1369 ± 1.405
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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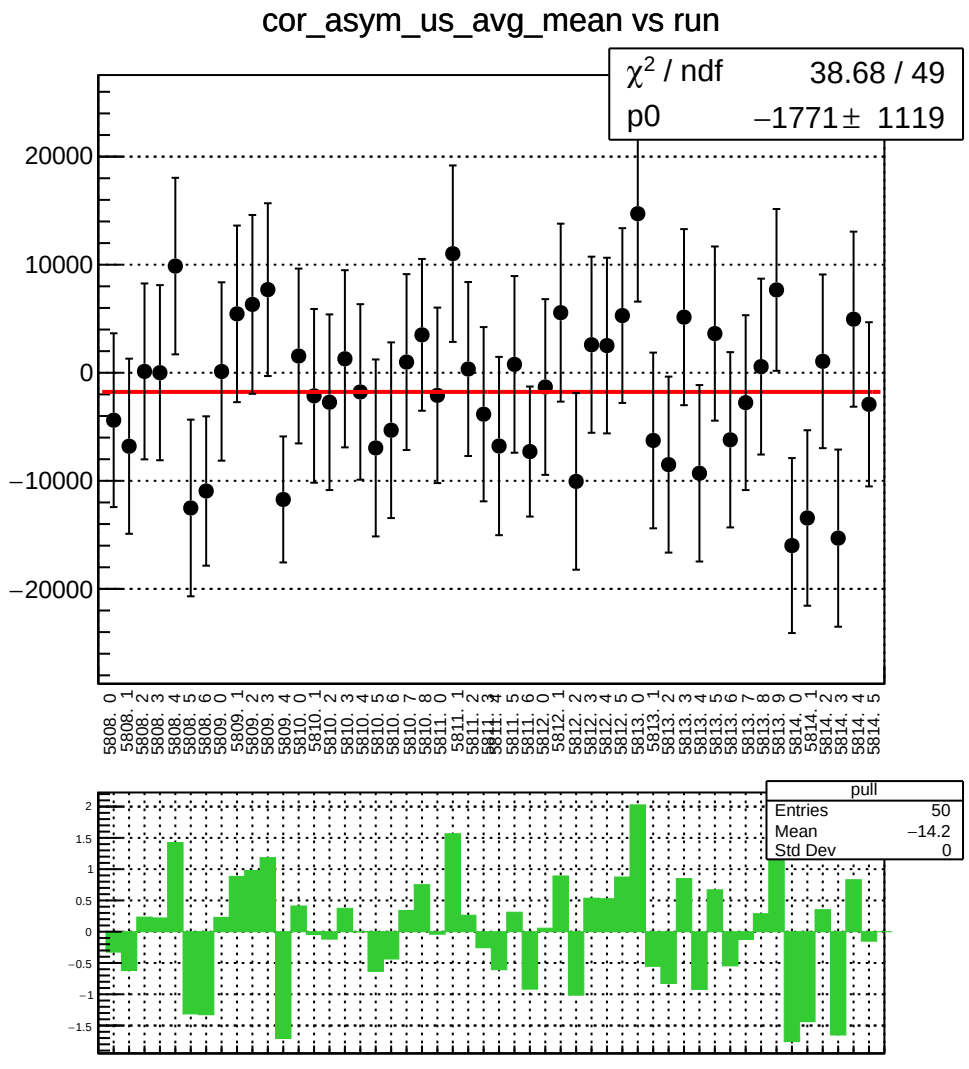
5814. 4
5814. 5


cor_asym_us_avg_mean vs run
χ² / ndf 38.68 / 49
p0 −1771 ± 1119
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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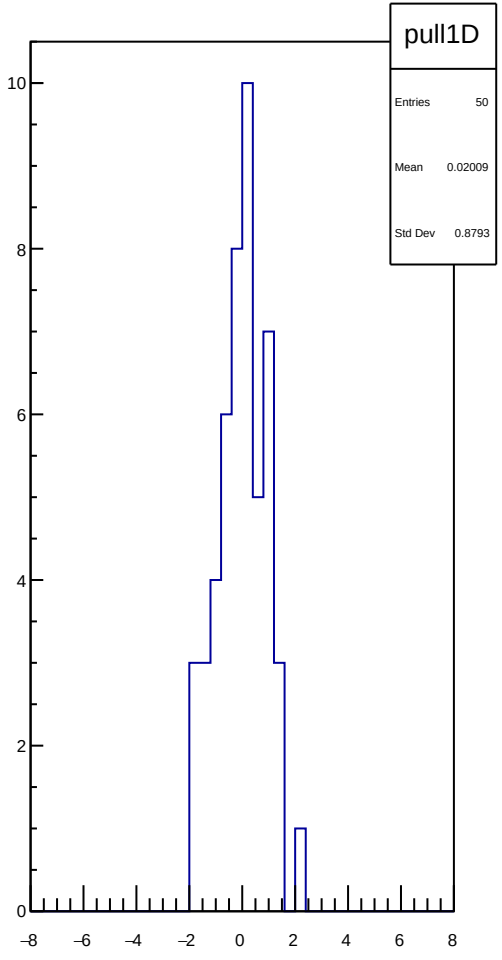
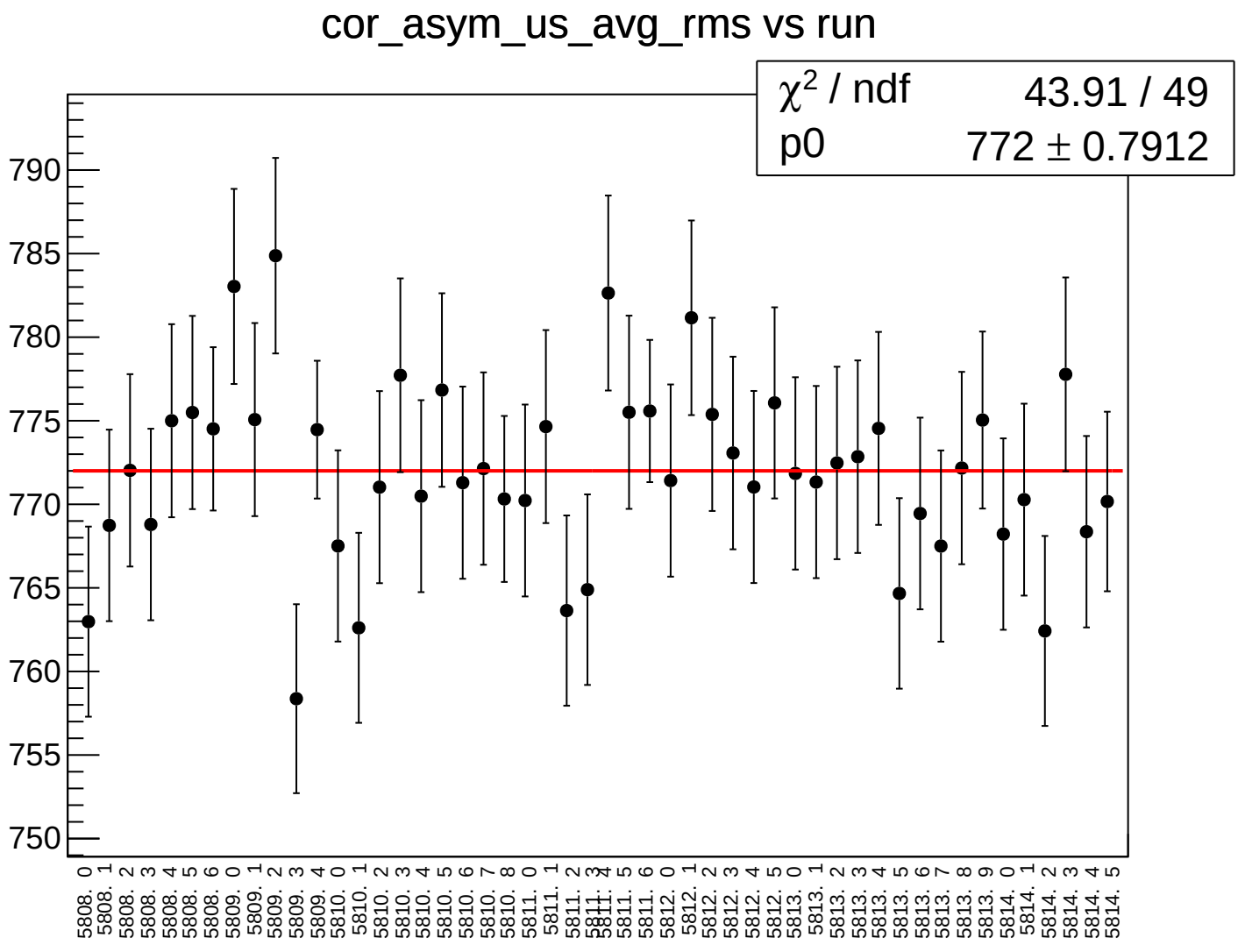
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −14.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean 0.02009
Std Dev 0.8793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ² / ndf 43.91 / 49
p0 772 ± 0.7912
790
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 2
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5813. 4
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5814. 2
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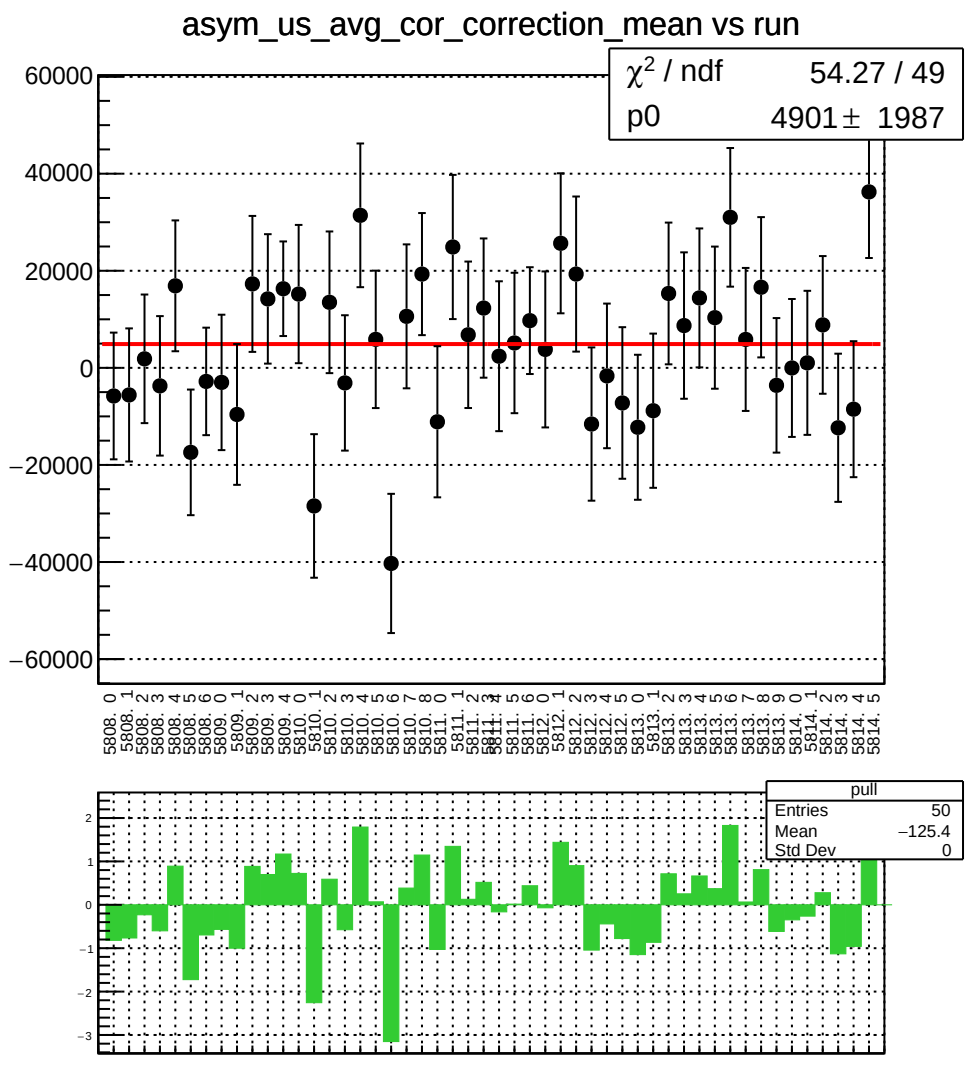
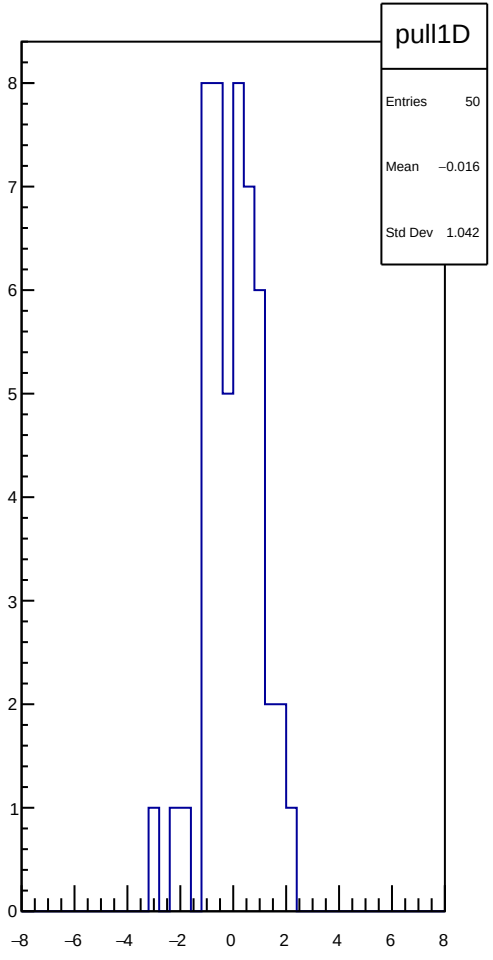
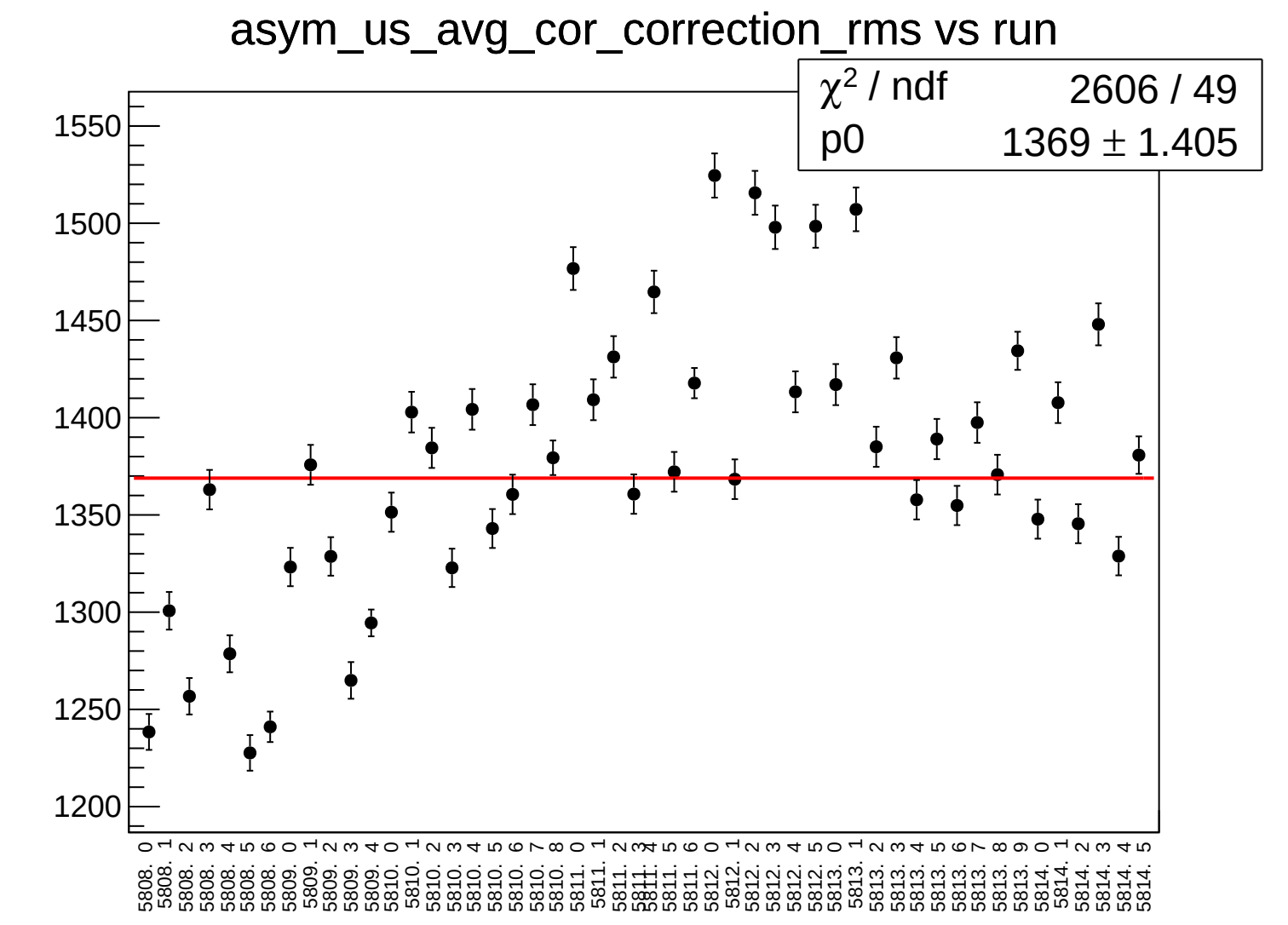
5814. 5


asym_us_avg_cor_correction_mean vs run
χ² / ndf 54.27 / 49
p0 4901 ± 1987
pull
Entries 50
Mean −125.4
Std Dev 0


pull1D
Entries 50
Mean −0.016
Std Dev 1.042


asym_us_avg_cor_correction_rms vs run
χ² / ndf 2606 / 49
p0 1369 ± 1.405
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 0
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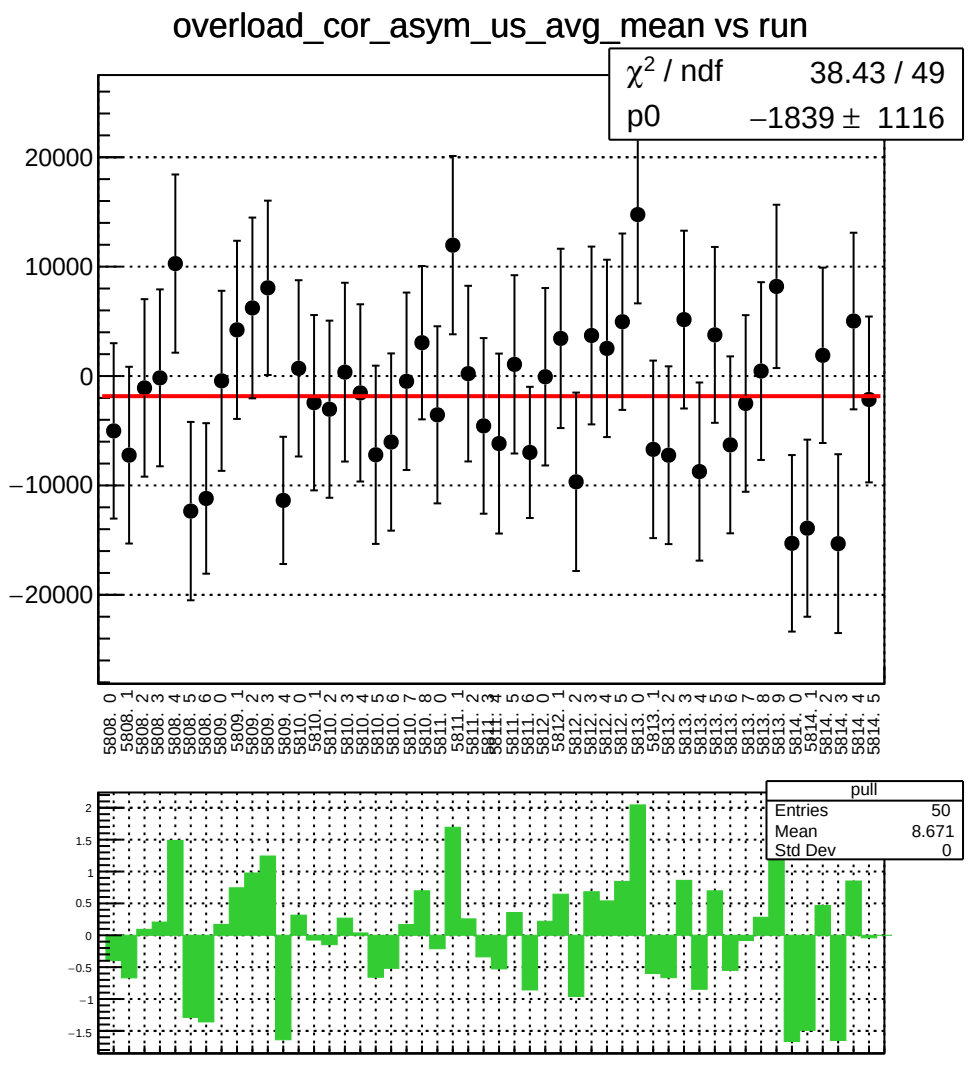
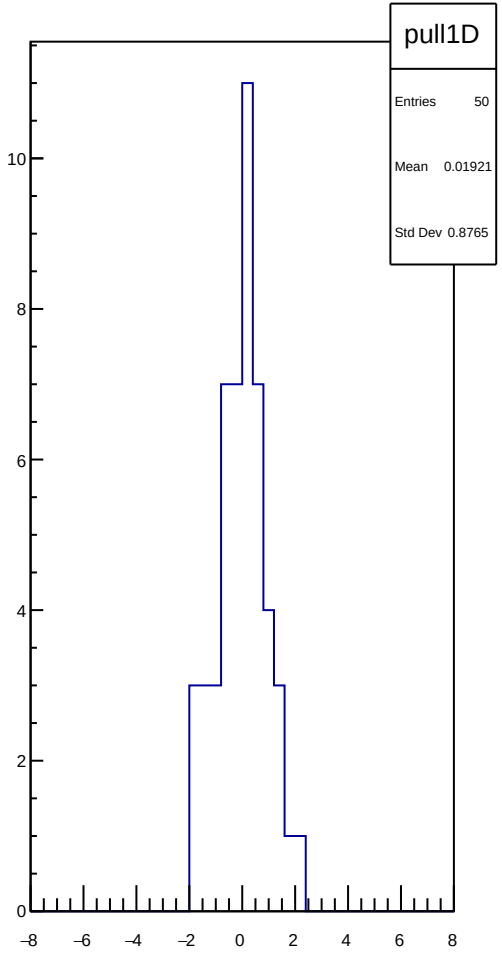

overload_cor_asym_us_avg_mean vs run
χ² / ndf 38.43 / 49
p0 −1839 ± 1116
20000
10000
0
−10000
−20000
pull
Entries 50
Mean 8.671
Std Dev 0


pull1D
Entries 50
Mean 0.01921
Std Dev 0.8765
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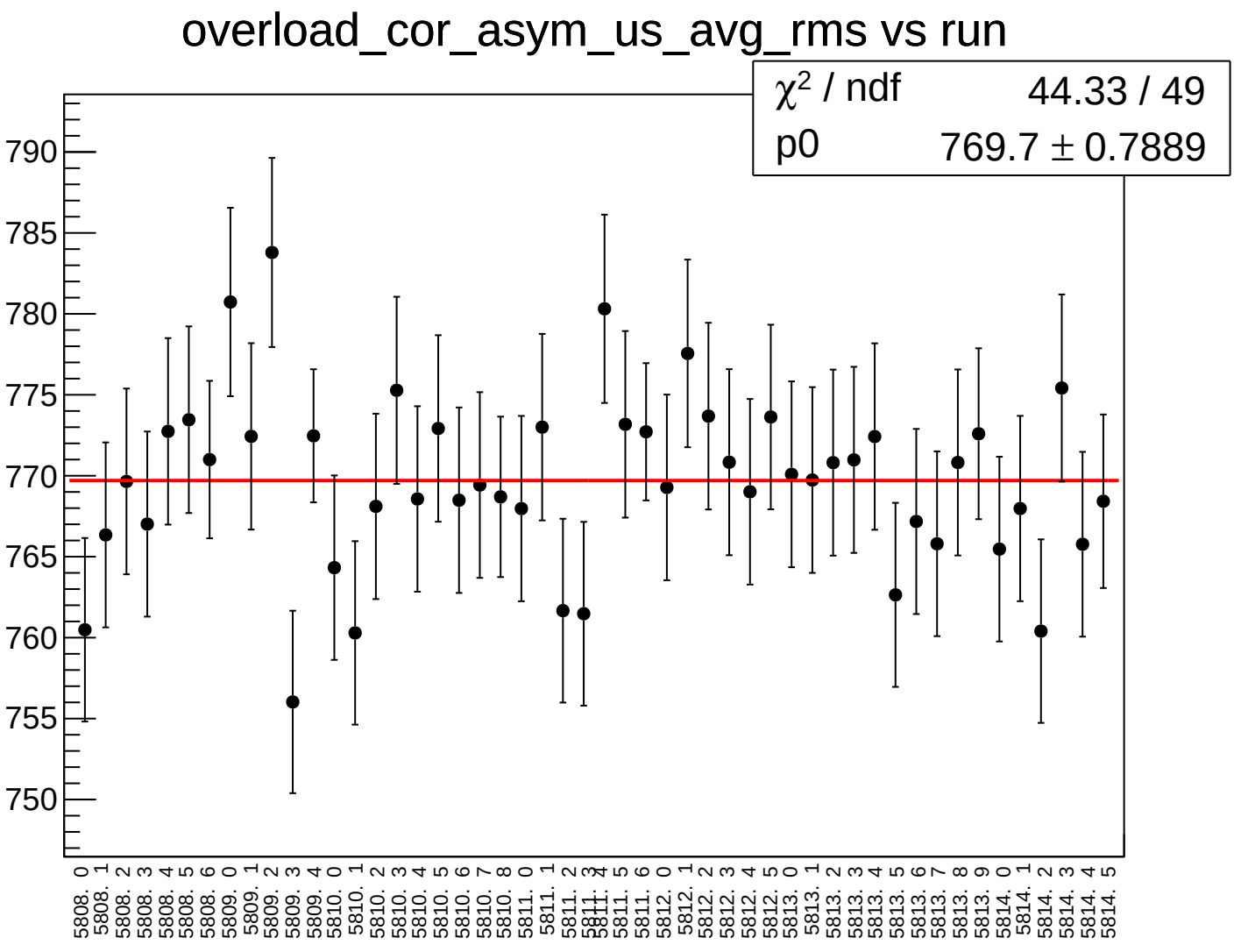
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 44.33 / 49
p0 769.7 ± 0.7889
790
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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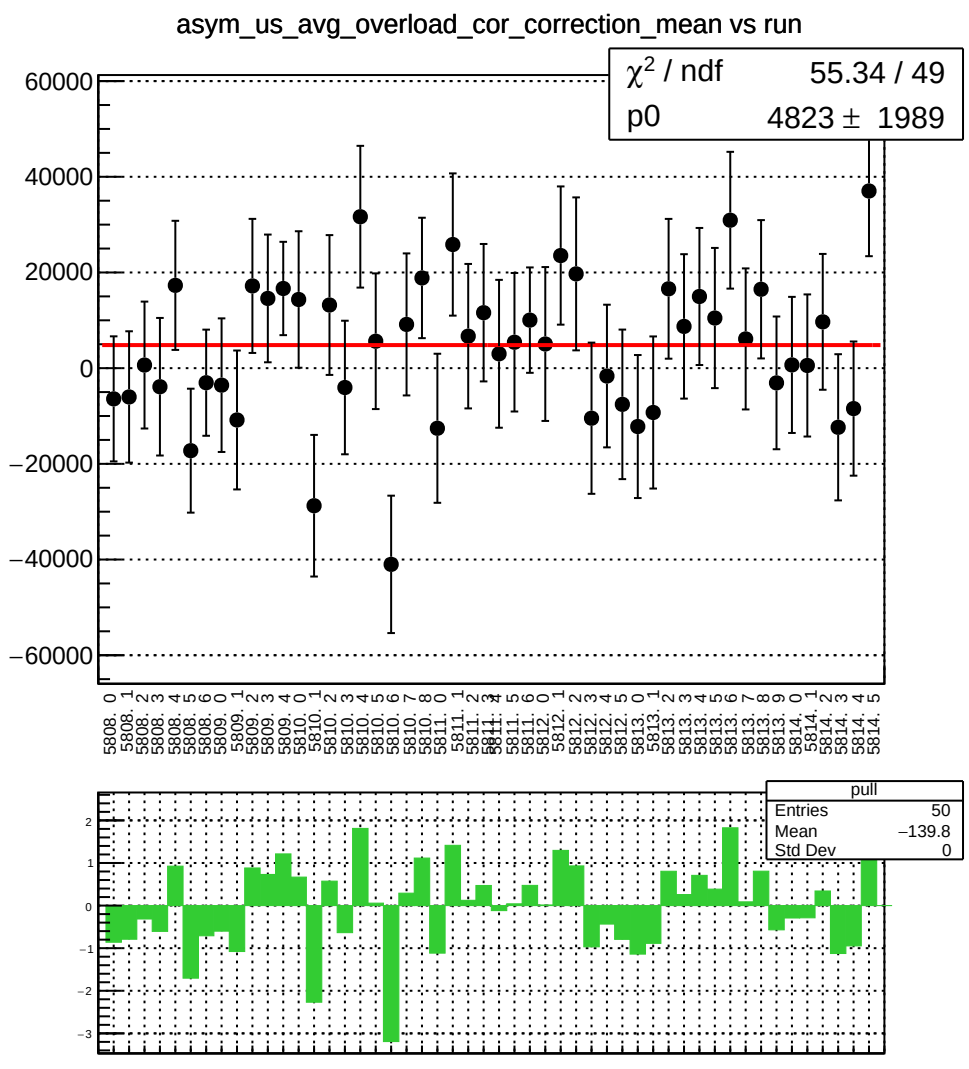
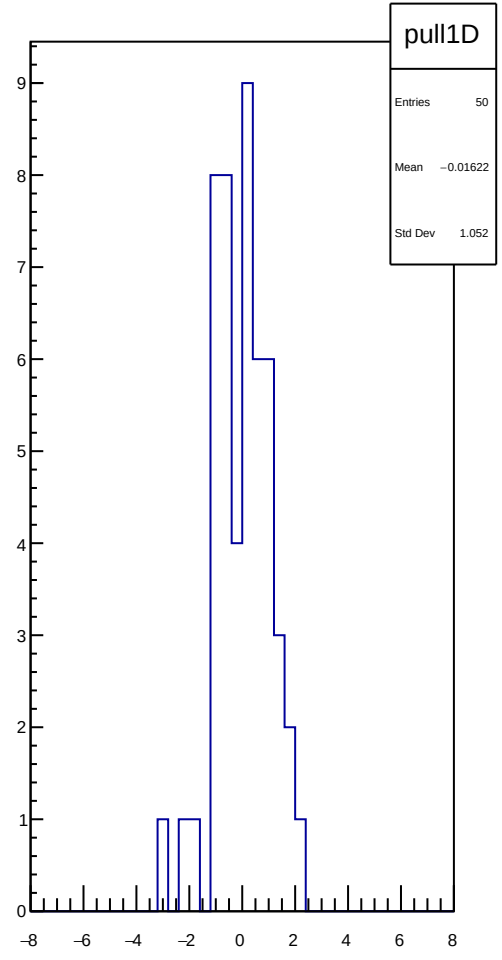
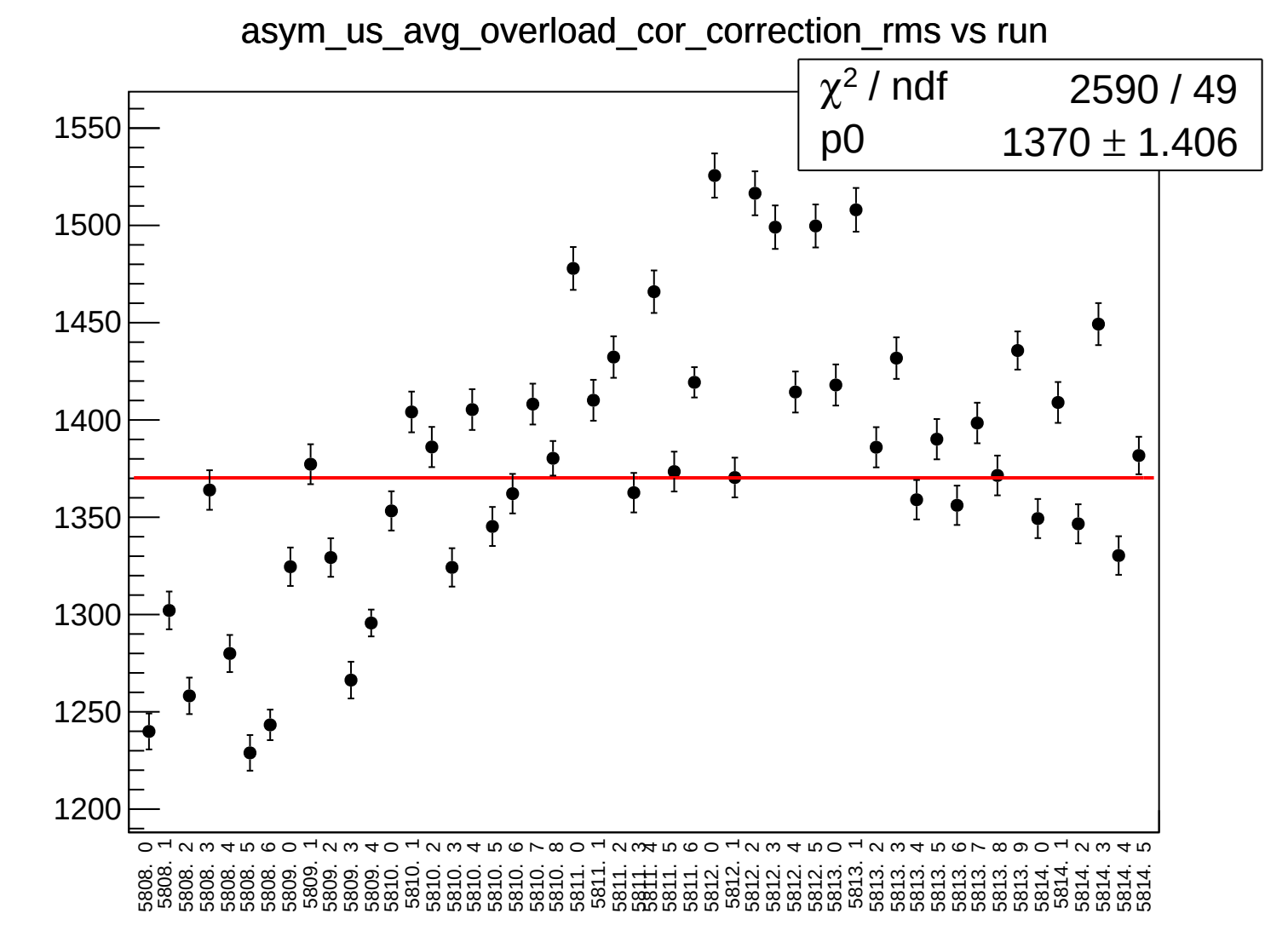
5814. 5


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 55.34 / 49
p0 4823 ± 1989
pull
Entries 50
Mean −139.8
Std Dev 0


pull1D
Entries 50
Mean −0.01622
Std Dev 1.052


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2590 / 49
p0 1370 ± 1.406
1550
1500
1450
1400
1350
1300
1250
1200
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5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 2
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5811. 2
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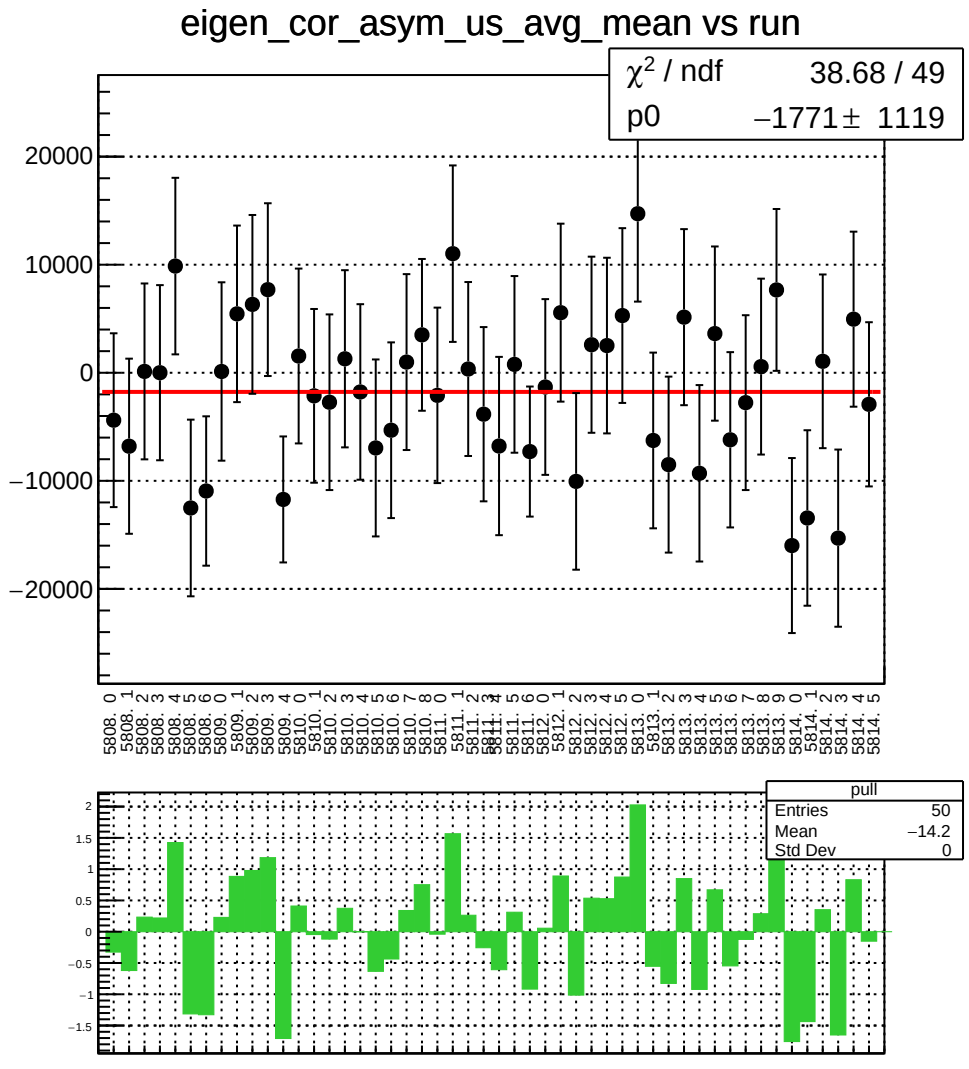
eigen_cor_asym_us_avg_mean vs run
χ² / ndf 38.68 / 49
p0 −1771 ± 1119
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 7
5810. 8
5811. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −14.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.02009
Std Dev 0.8793
10
8
6
4
2
0
−8
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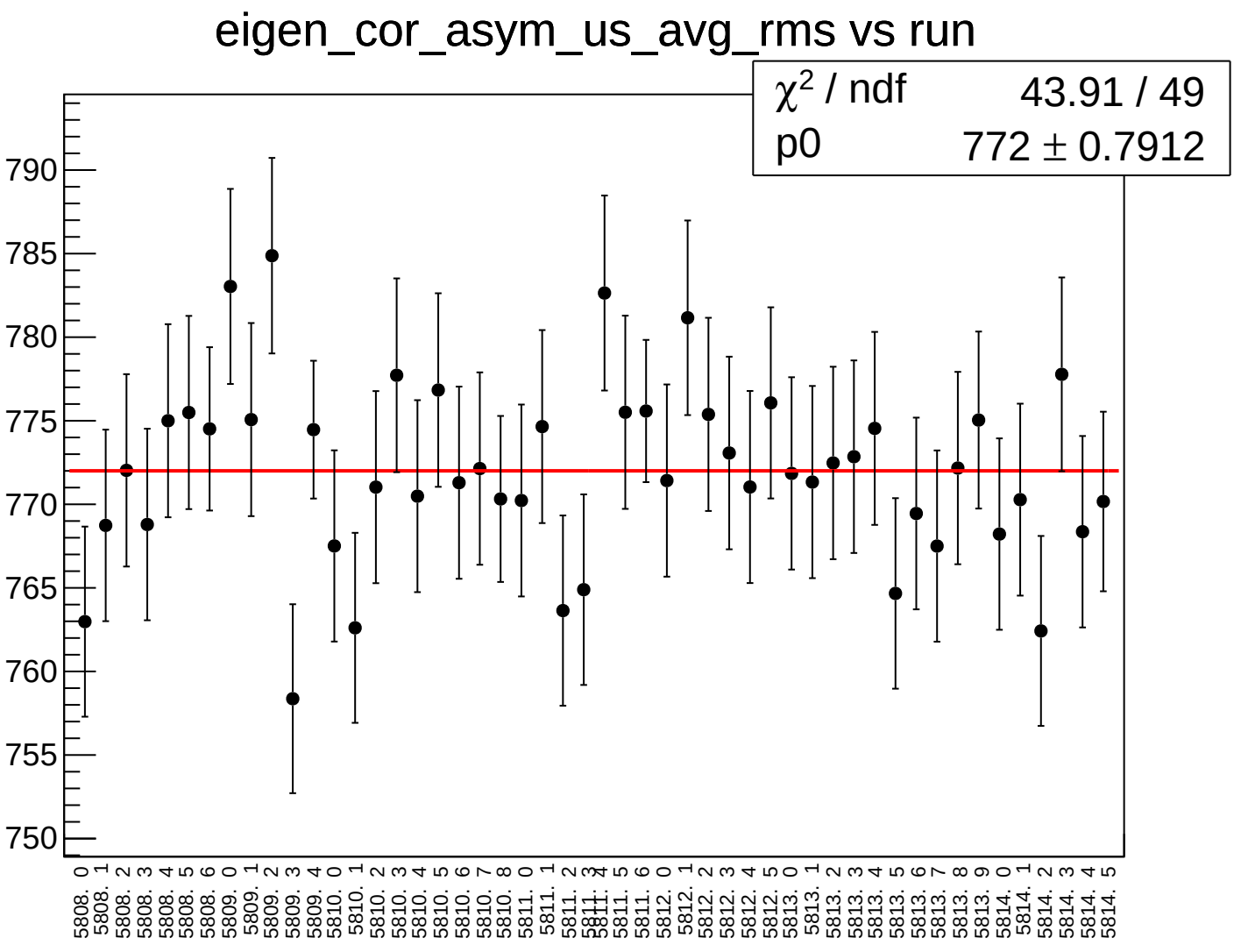
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 43.91 / 49
p0 772 ± 0.7912
790
785
780
775
770
765
760
755
750
5808. 0
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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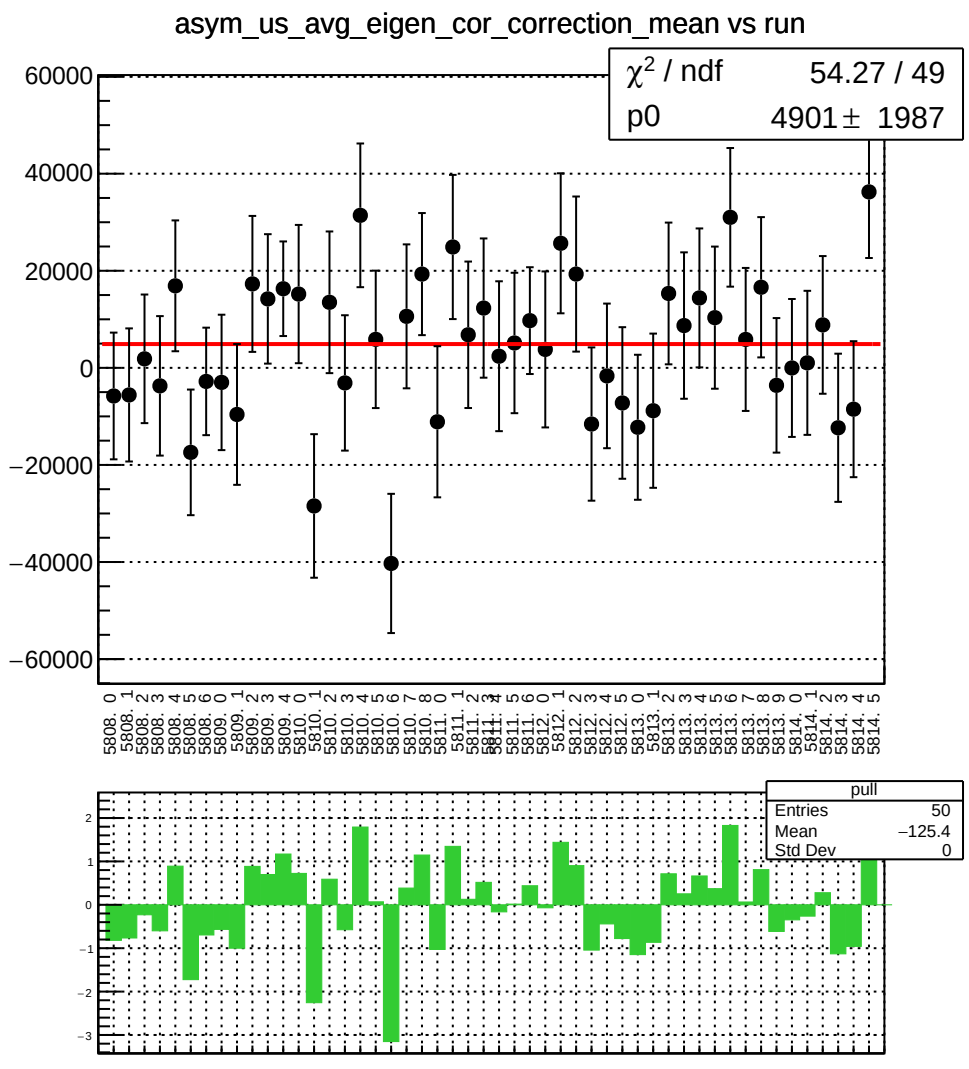
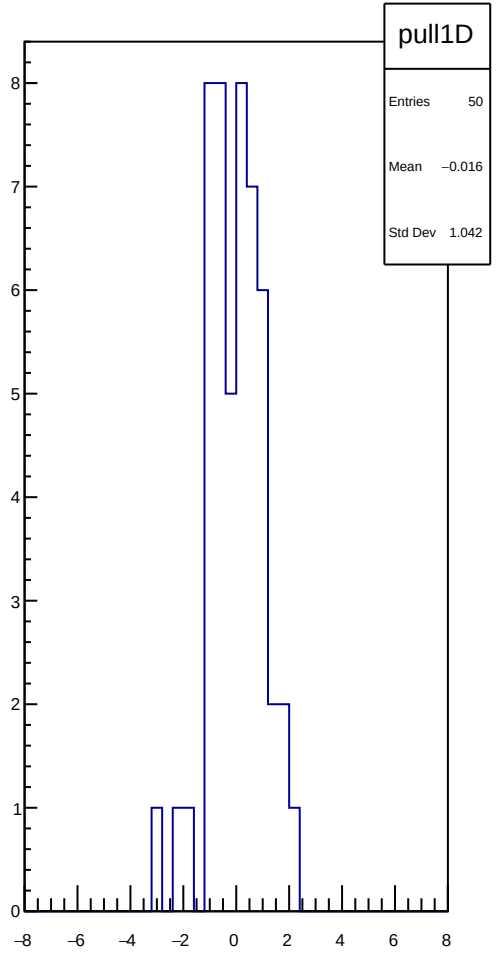
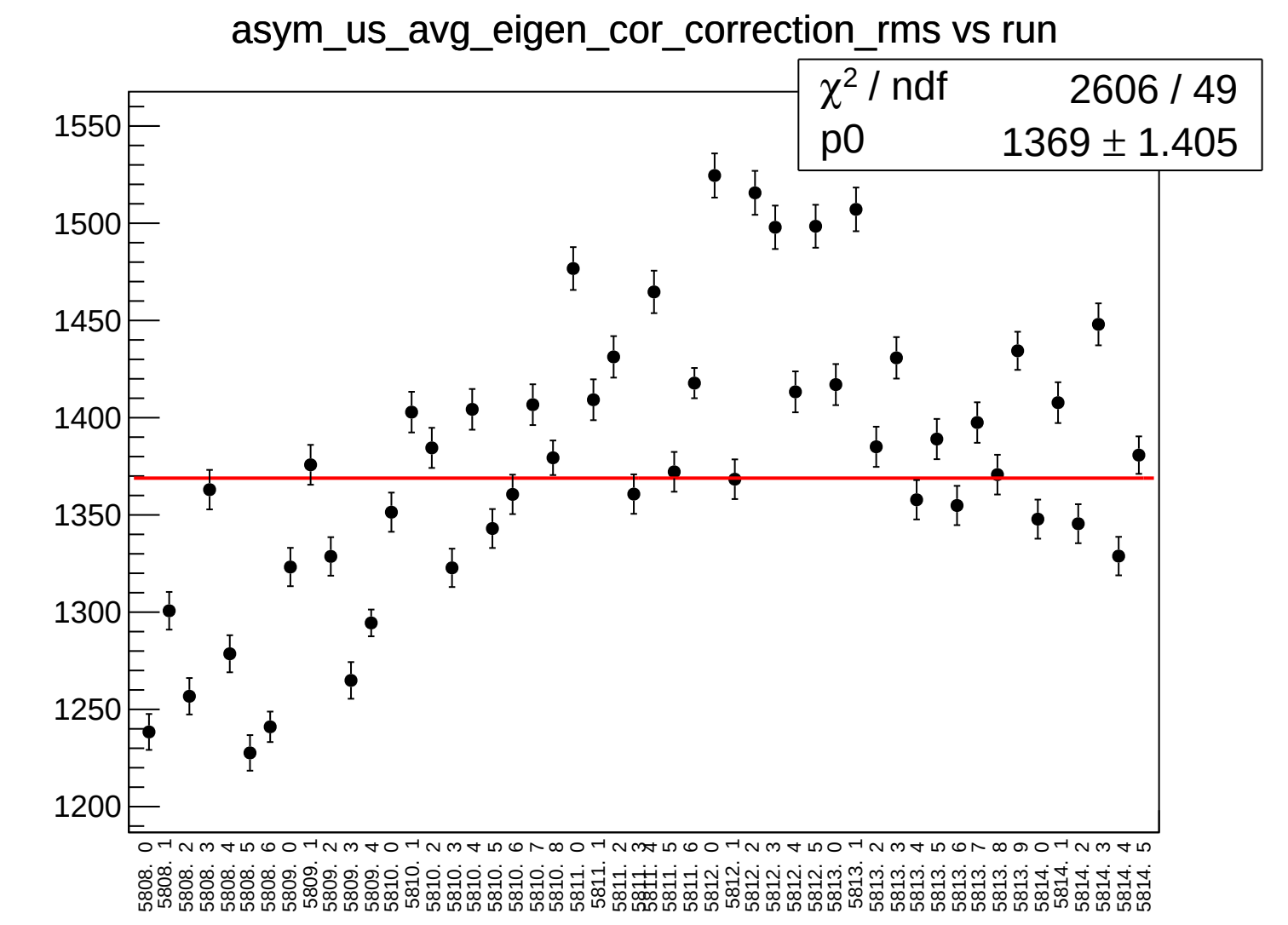
5814. 5


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.27 / 49
p0 4901 ± 1987
pull
Entries 50
Mean −125.4
Std Dev 0


pull1D
Entries 50
Mean −0.016
Std Dev 1.042


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2606 / 49
p0 1369 ± 1.405
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
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5812. 1
5812. 2
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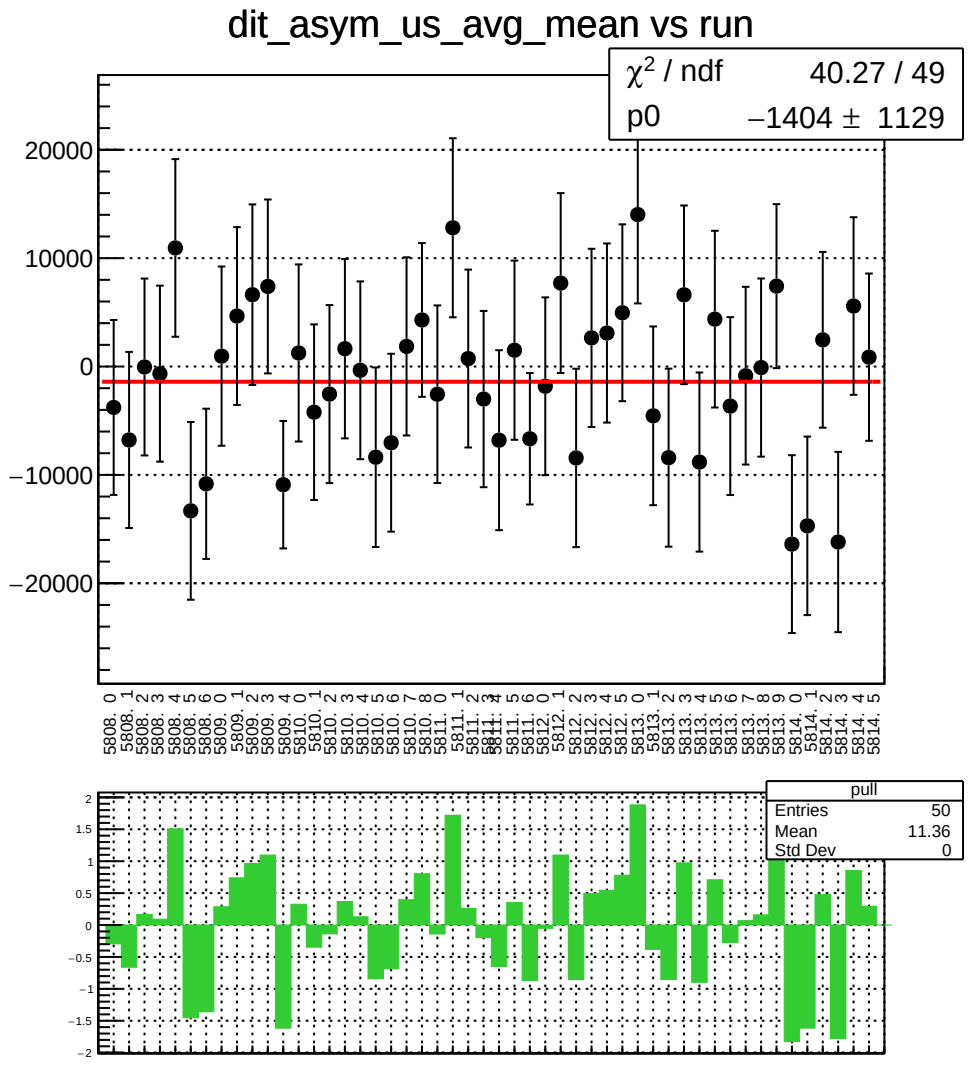
dit_asym_us_avg_mean vs run
χ² / ndf 40.27 / 49
p0 −1404 ± 1129
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10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
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5810. 1
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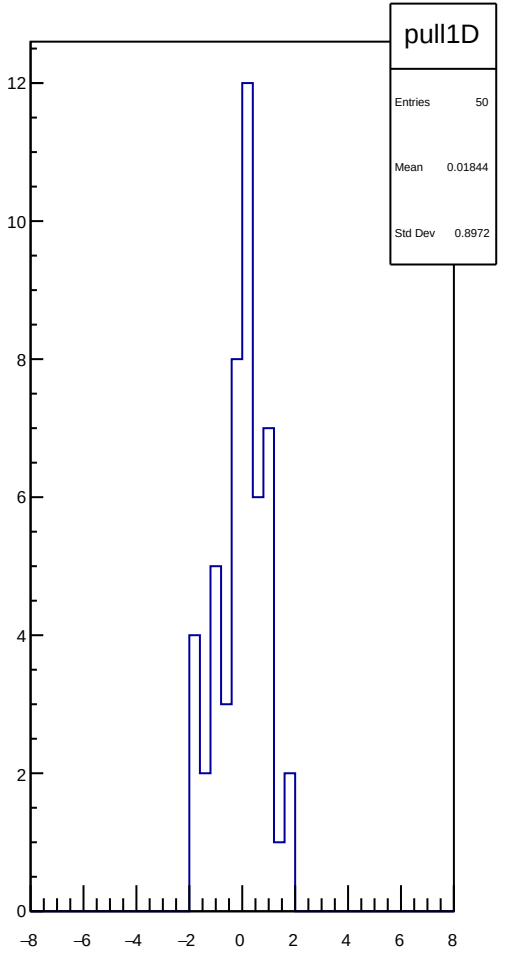
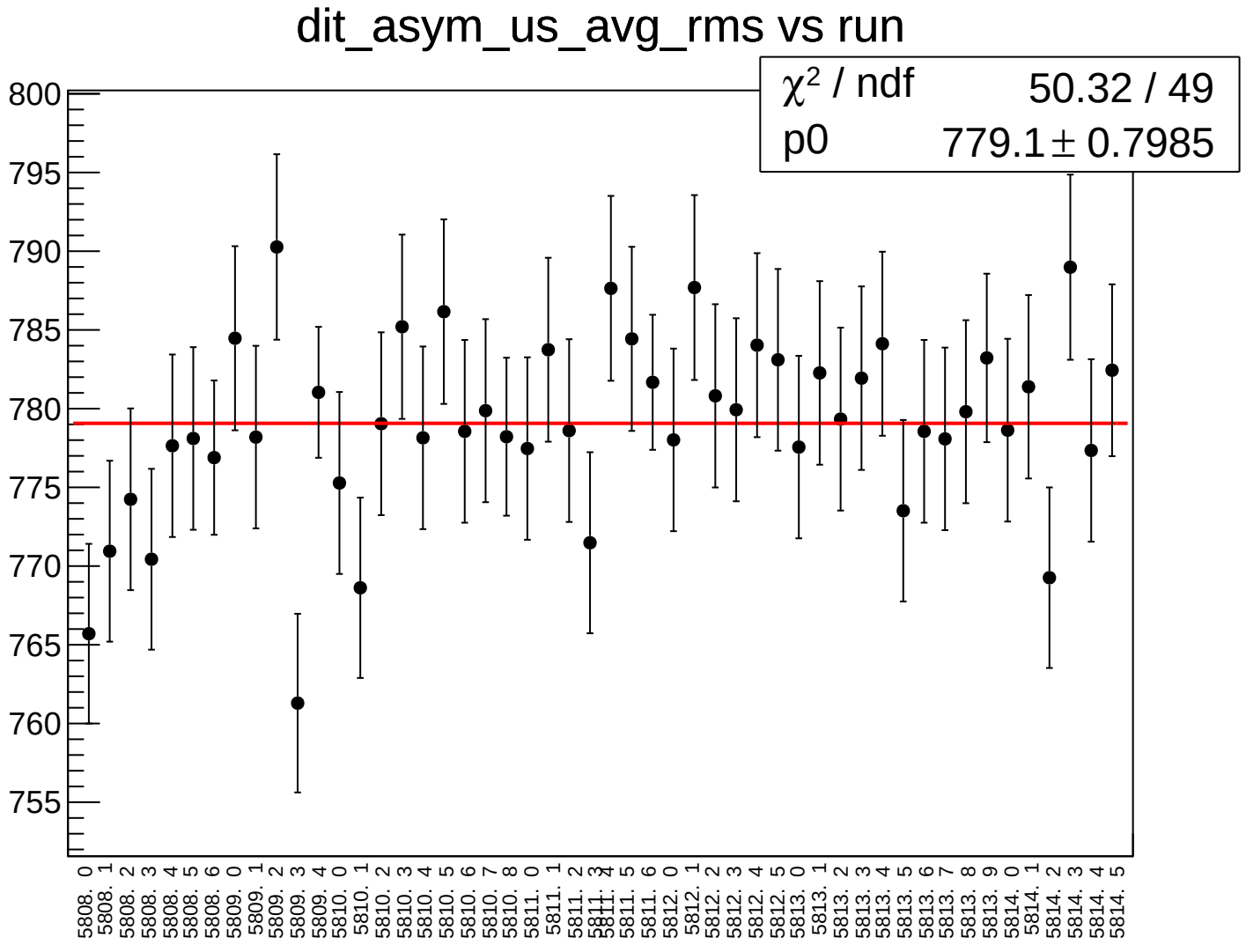
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 11.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.01844
Std Dev 0.8972
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_rms vs run
χ² / ndf 50.32 / 49
p0 779.1 ± 0.7985
800
795
790
785
780
775
770
765
760
755
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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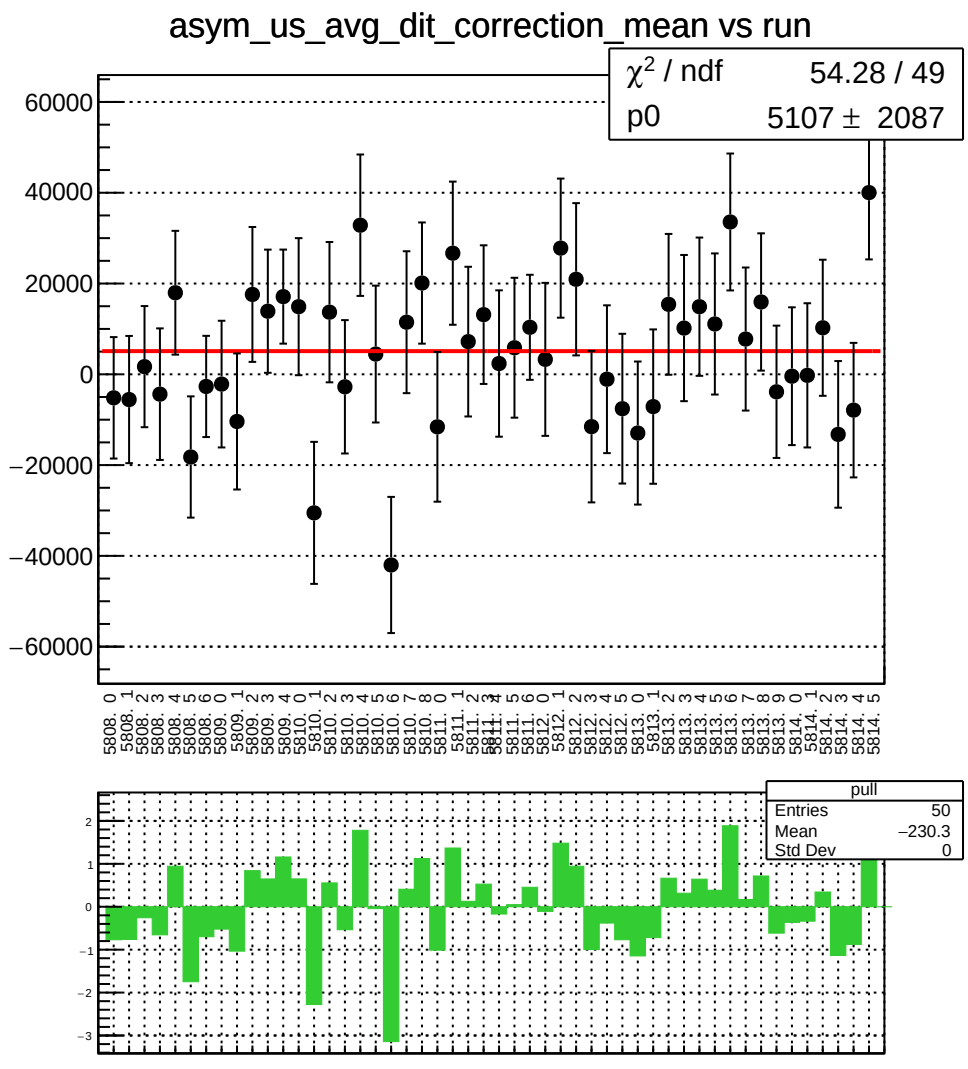
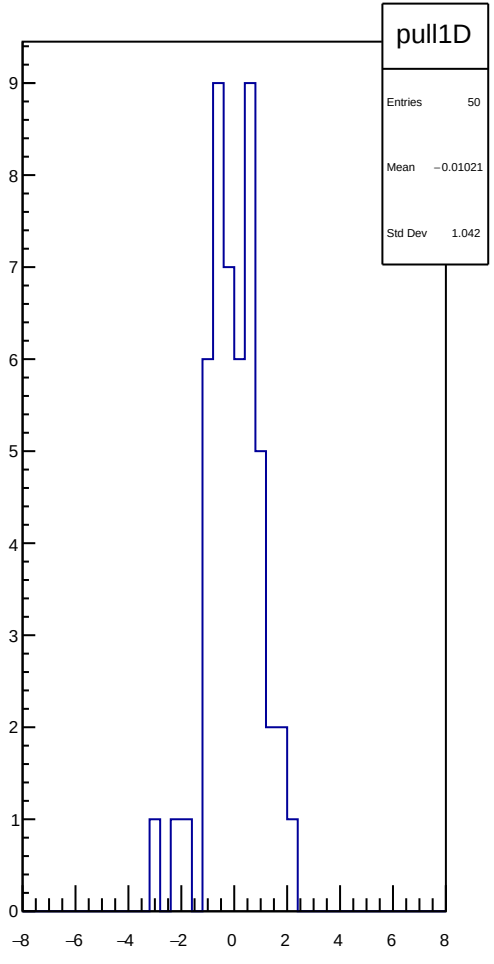
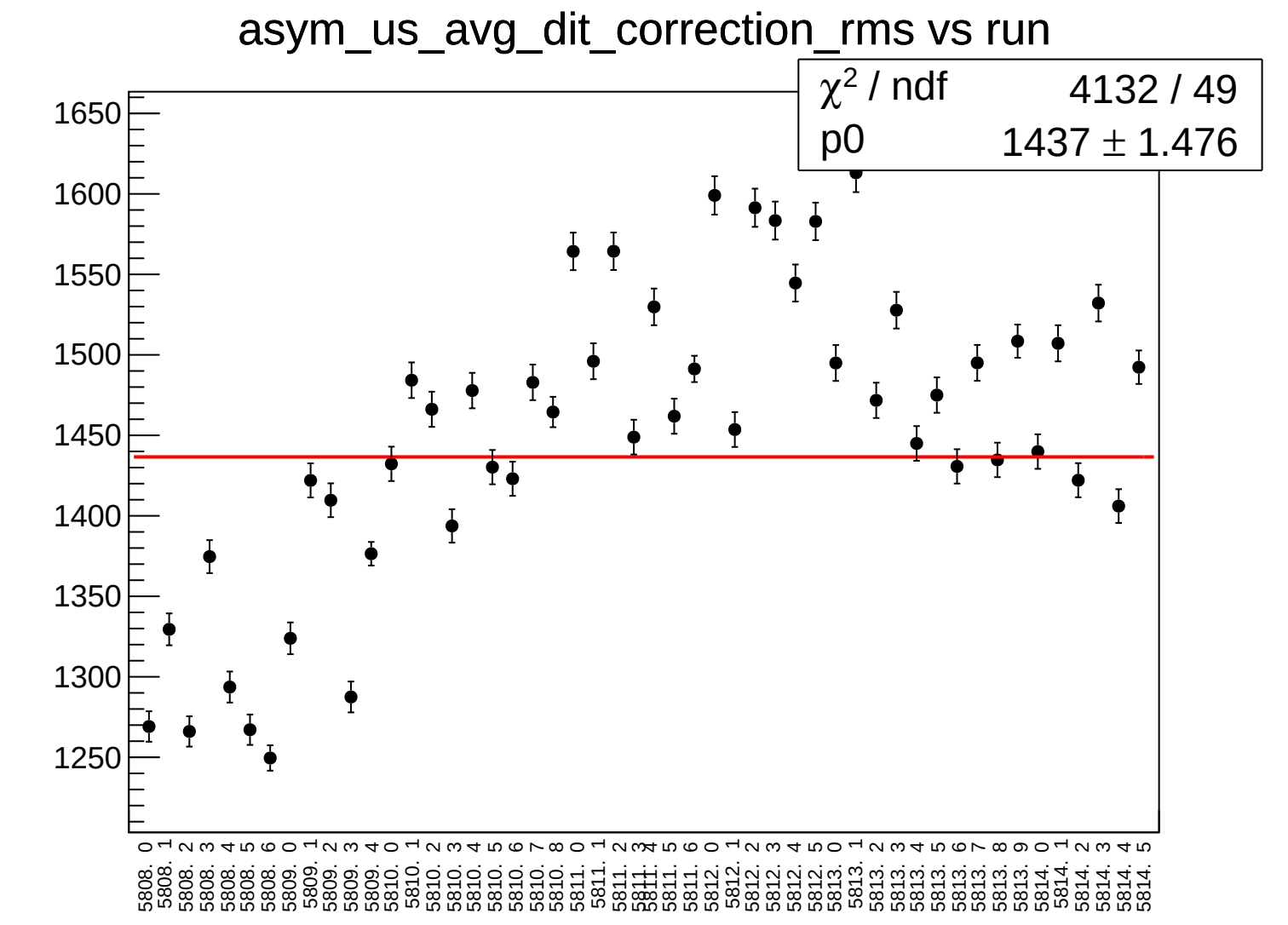
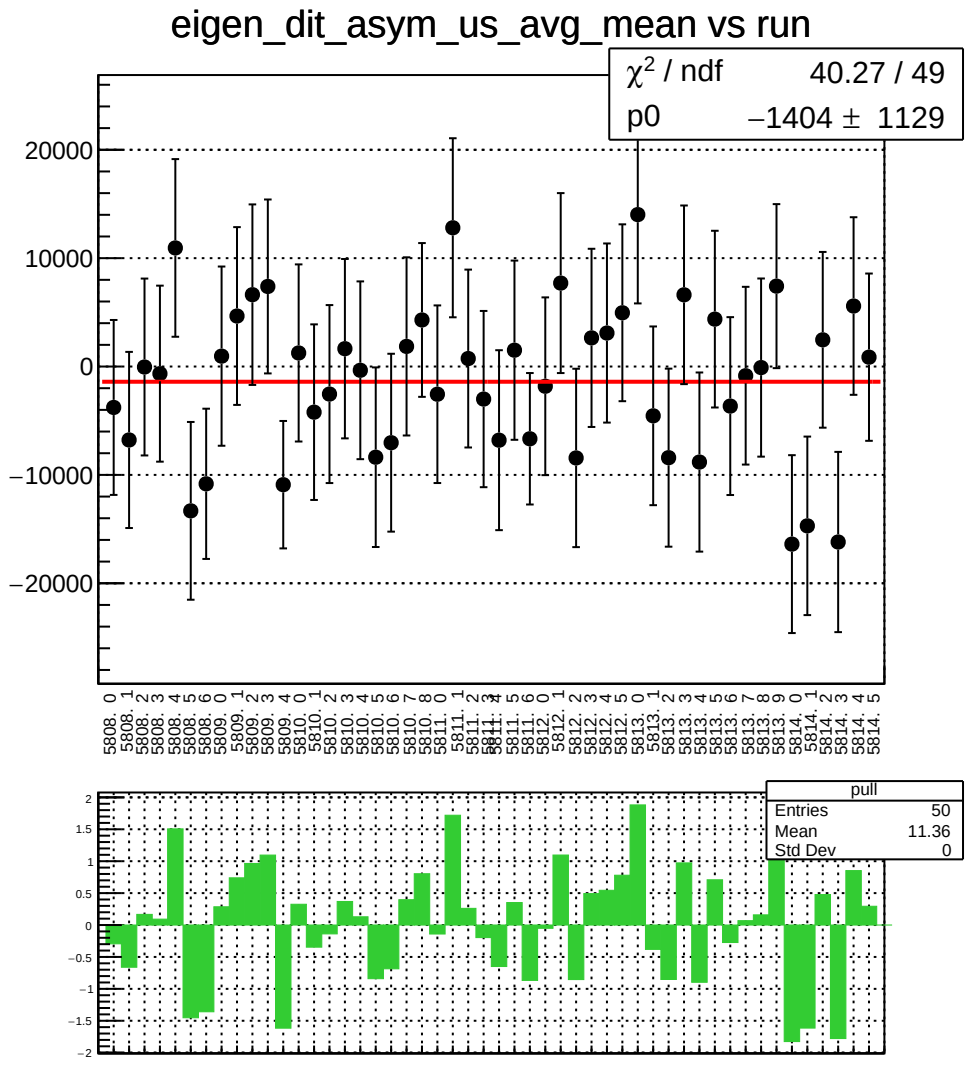
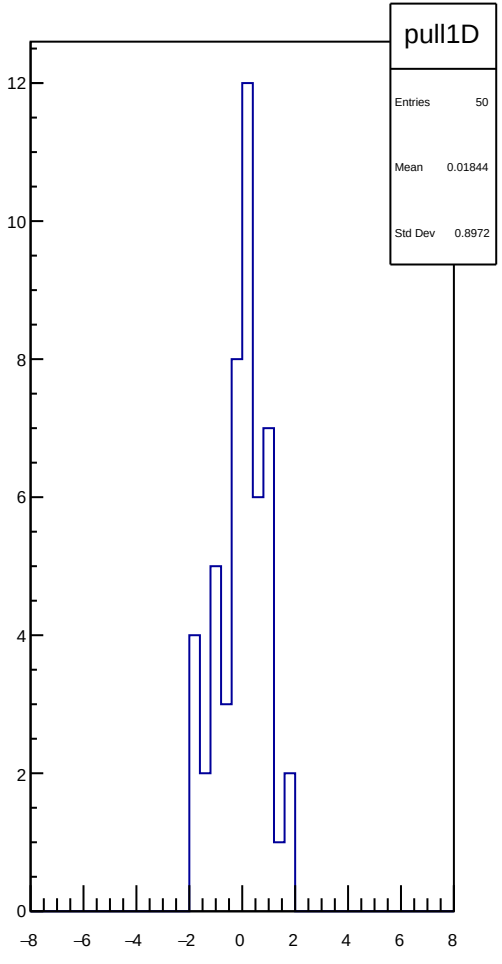
5814. 2
5814. 3
5814. 4
5814. 5

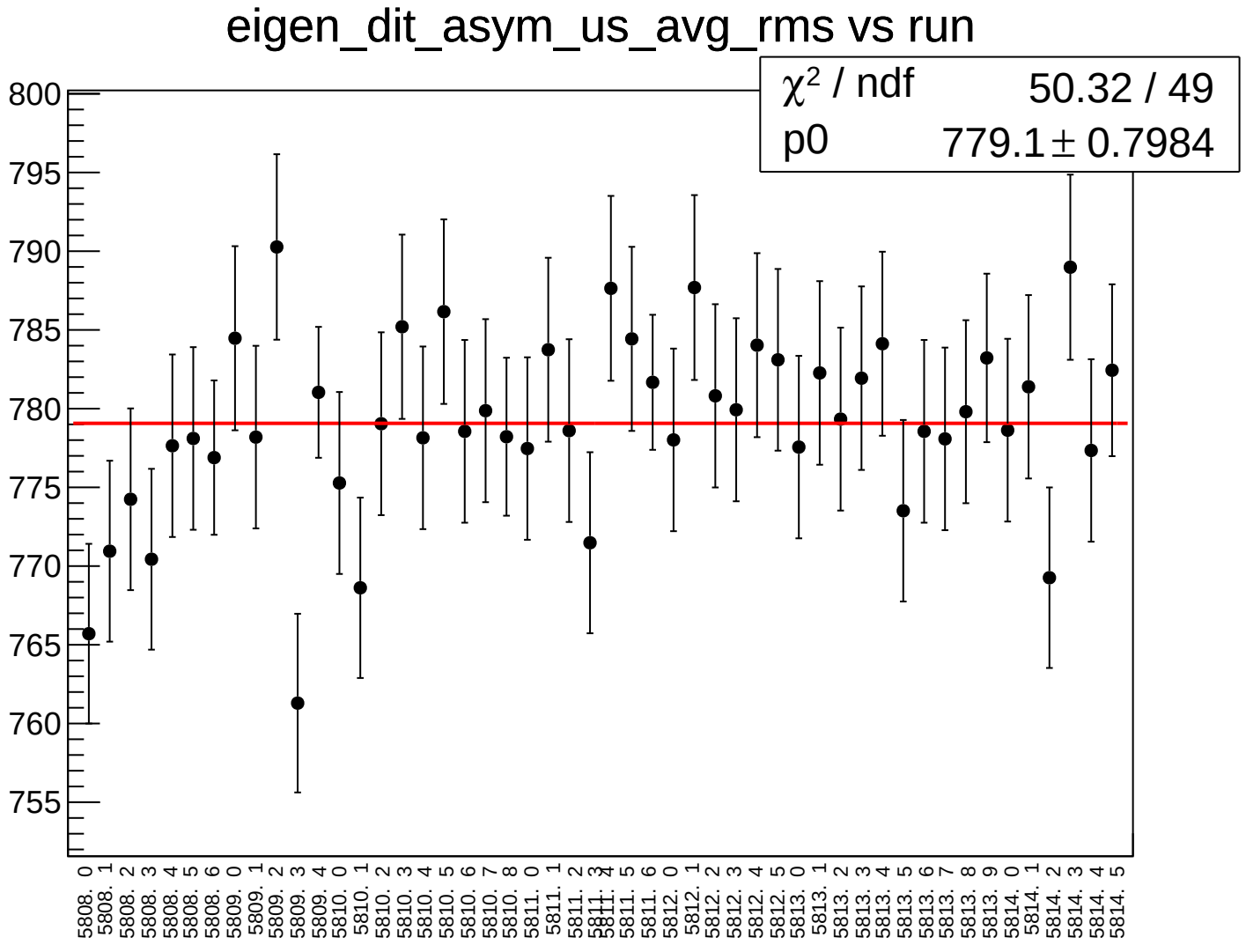

asym_us_avg_dit_correction_mean vs run
χ² / ndf 54.28 / 49
p0 5107 ± 2087
pull
Entries 50
Mean −230.3
Std Dev 0

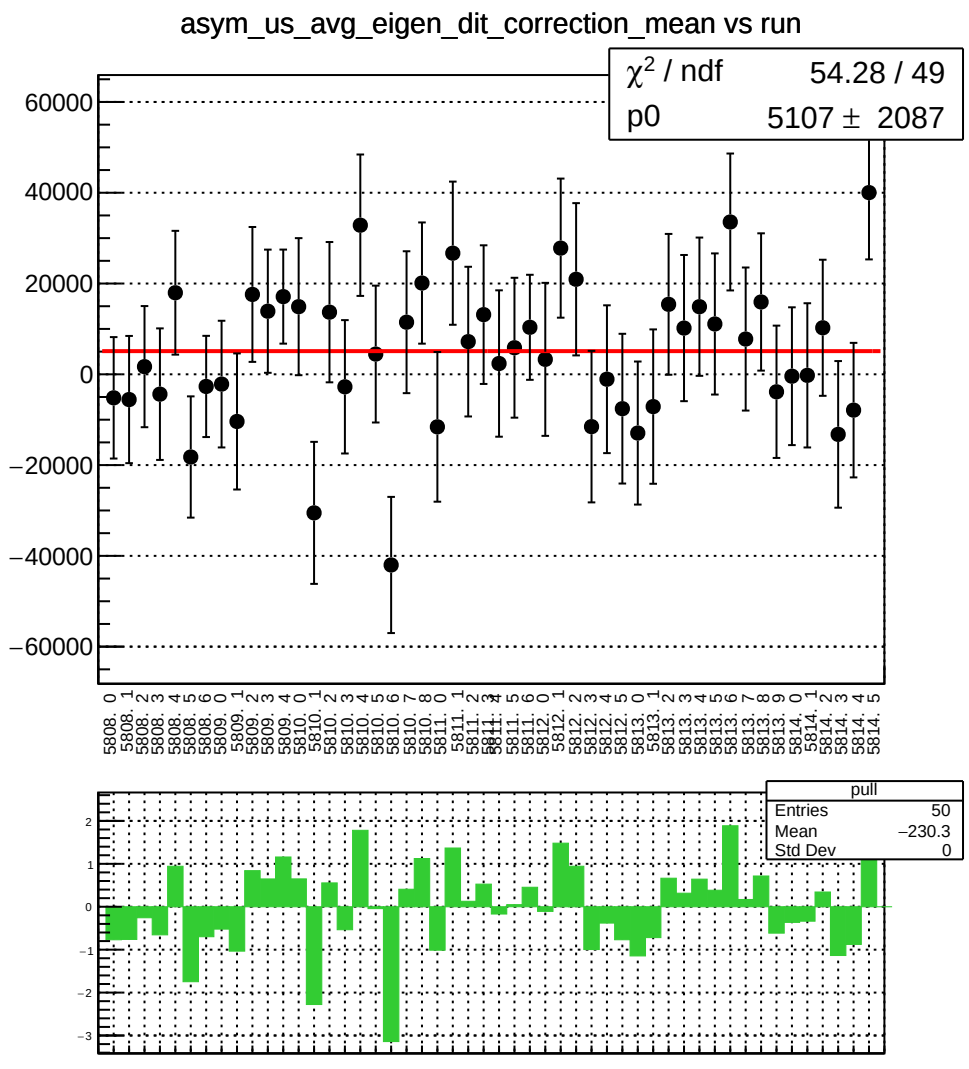

pull1D
Entries 50
Mean −0.01021
Std Dev 1.042

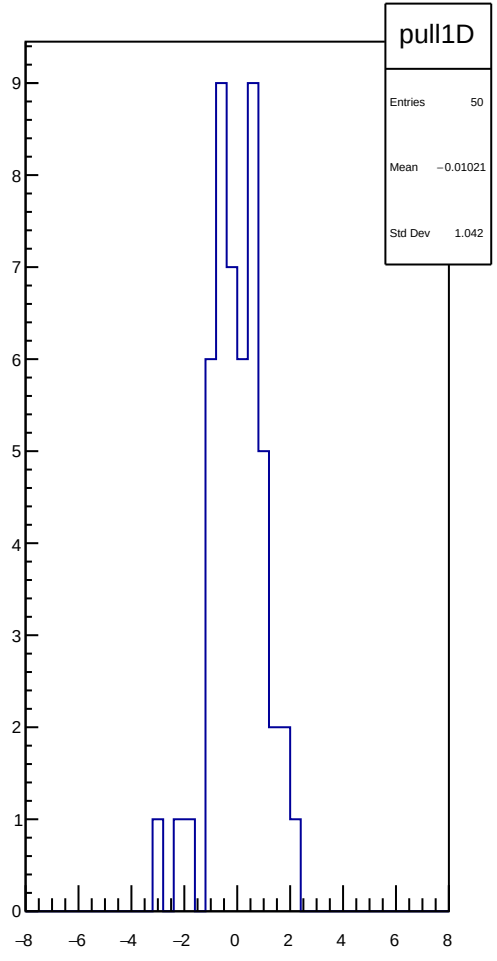

asym_us_avg_dit_correction_rms vs run
χ² / ndf 4132 / 49
p0 1437 ± 1.476
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

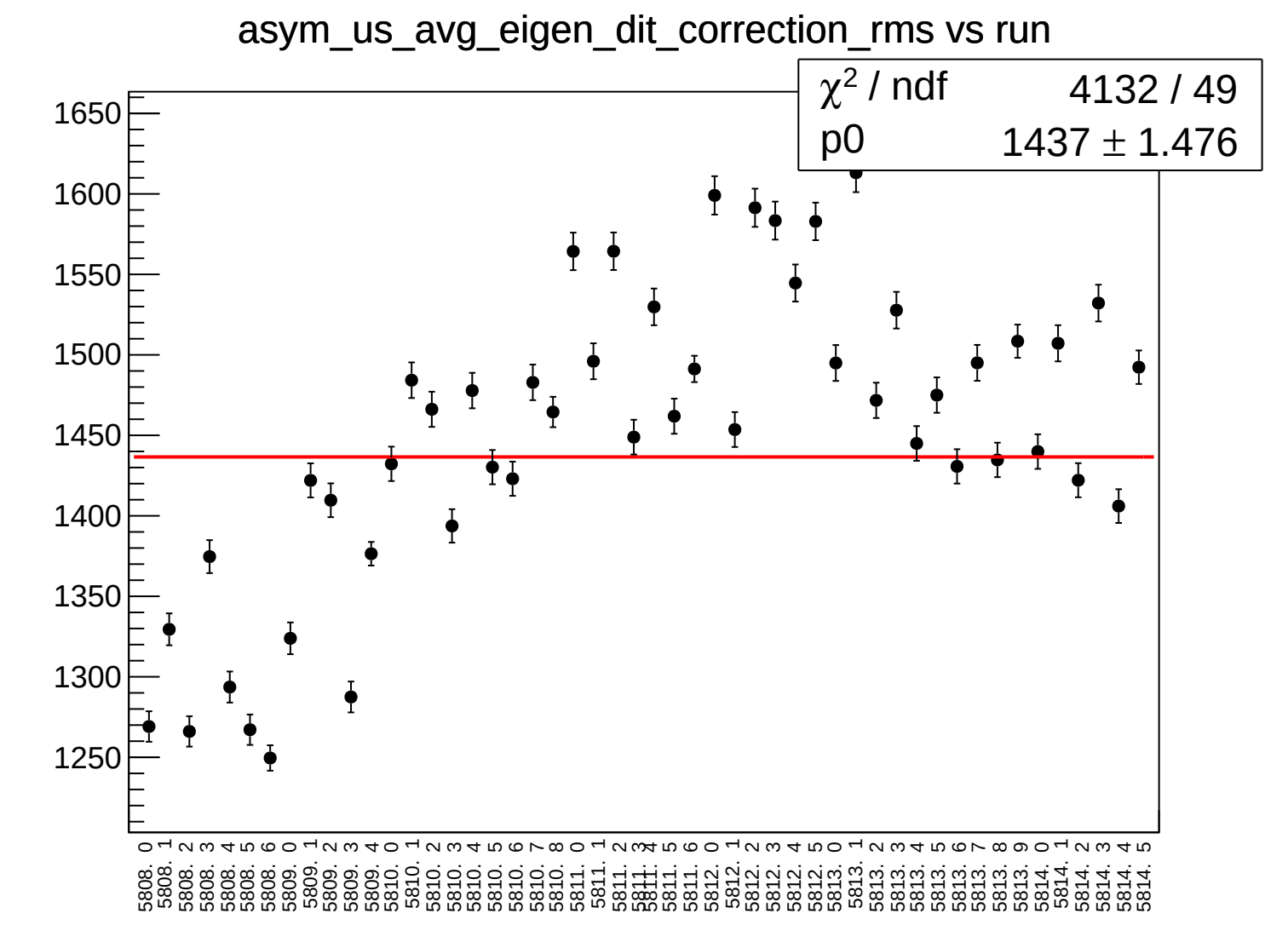

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 40.27 / 49
p0 −1404 ± 1129
pull
Entries 50
Mean 11.36
Std Dev 0

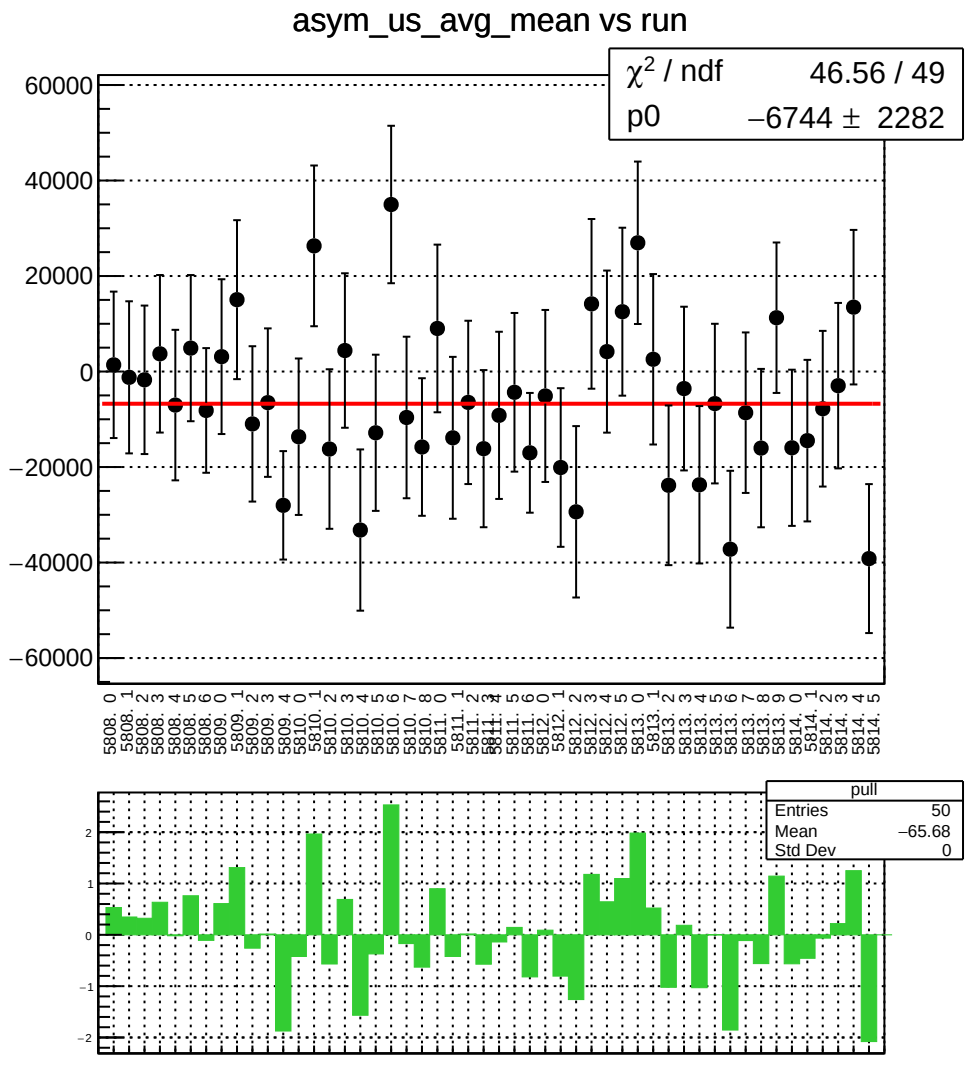

pull1D
Entries 50
Mean 0.01844
Std Dev 0.8972

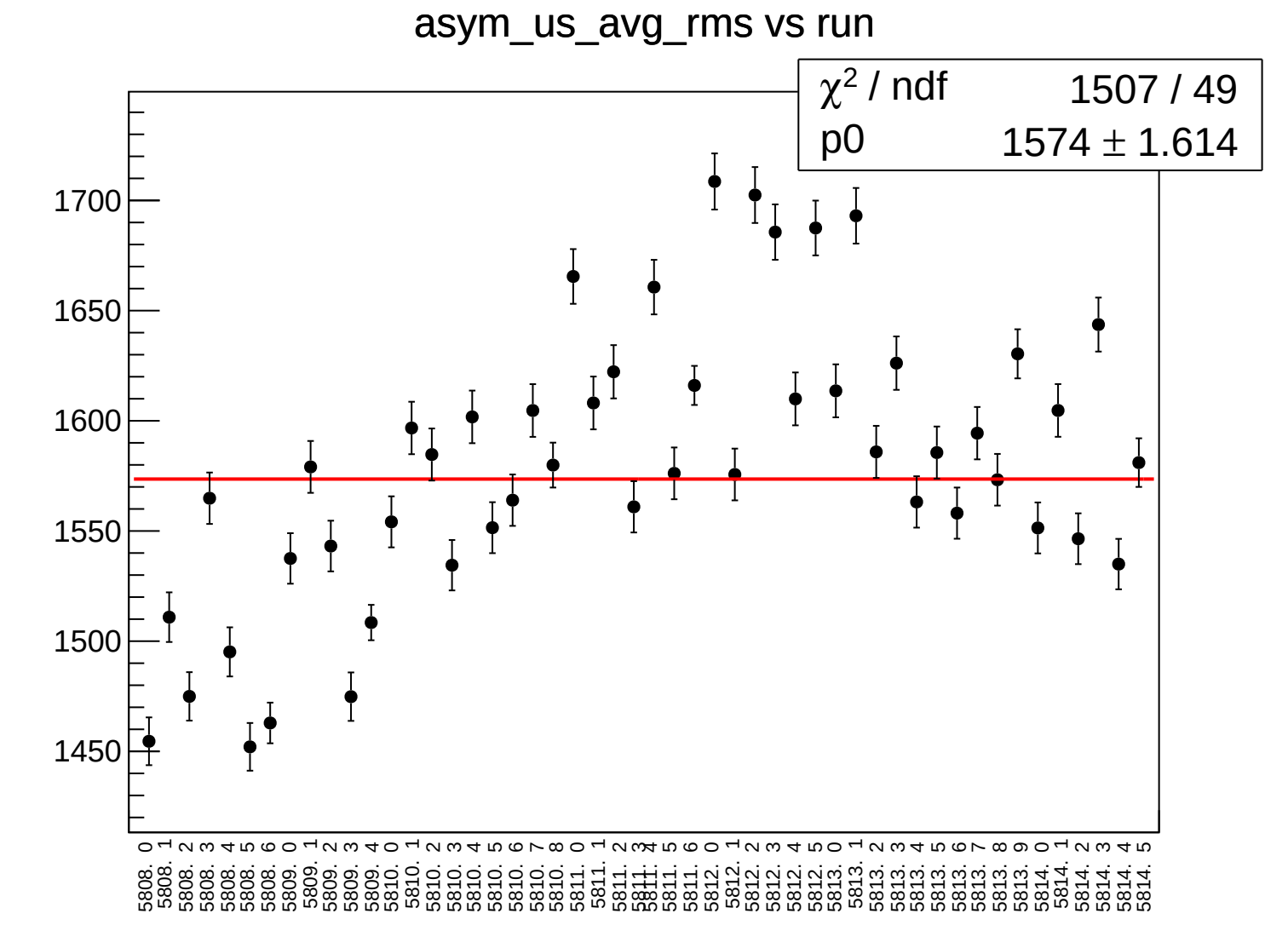

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 50.32 / 49
p0 779.1 ± 0.7984
800
795
790
785
780
775
770
765
760
755
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

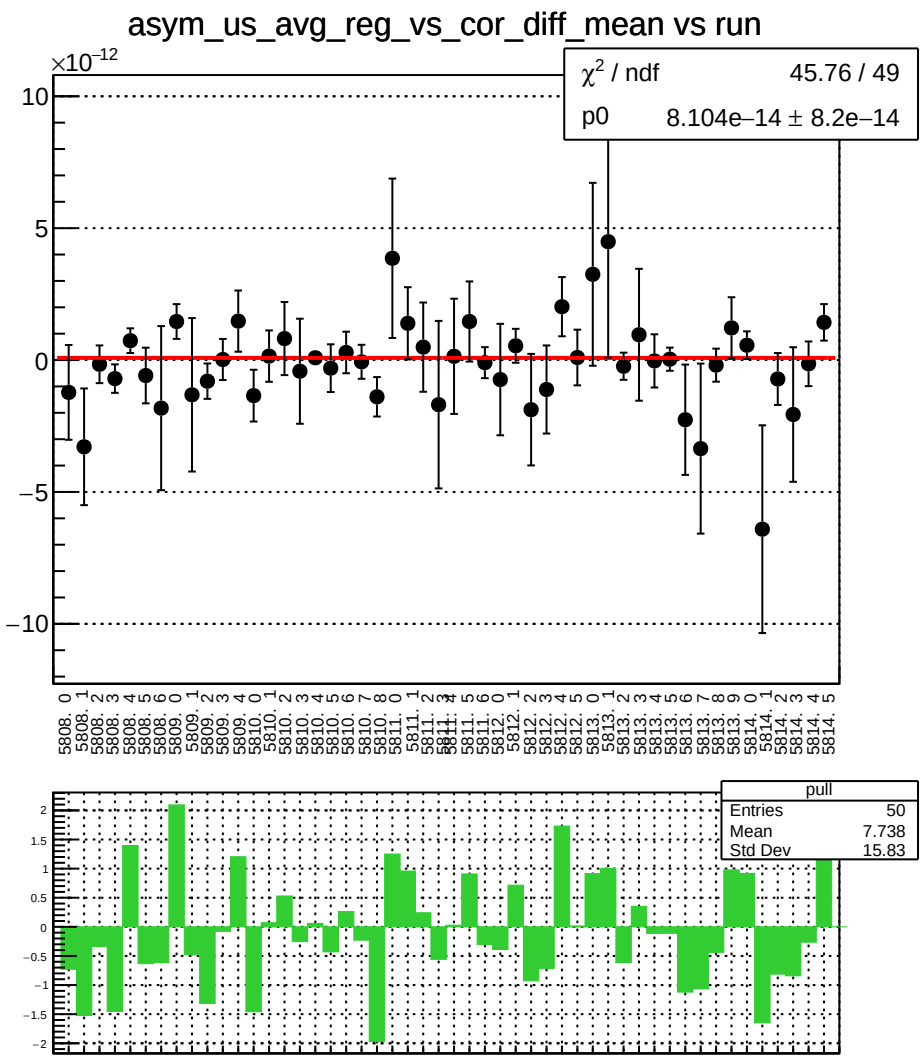

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 54.28 / 49
p0 5107 ± 2087
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −230.3
Std Dev 0
2
1
0
−1
−2
−3

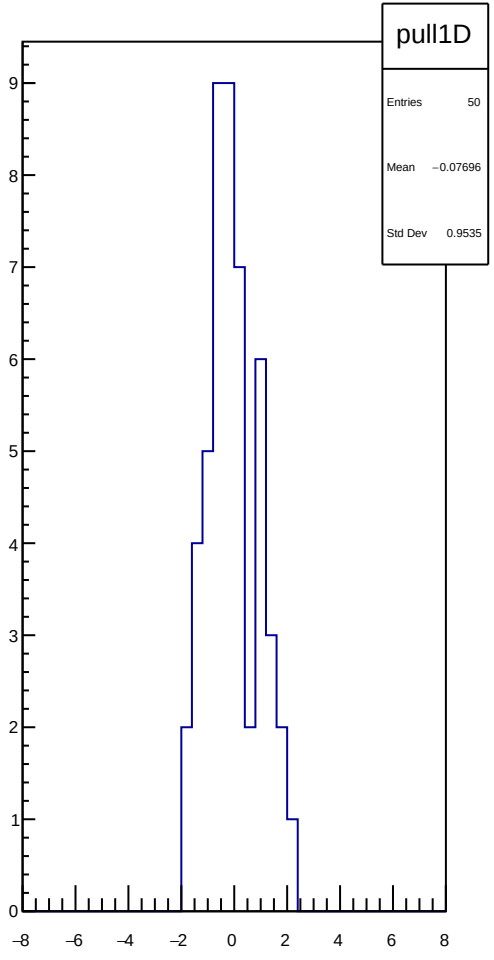

pull1D
Entries 50
Mean −0.01021
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

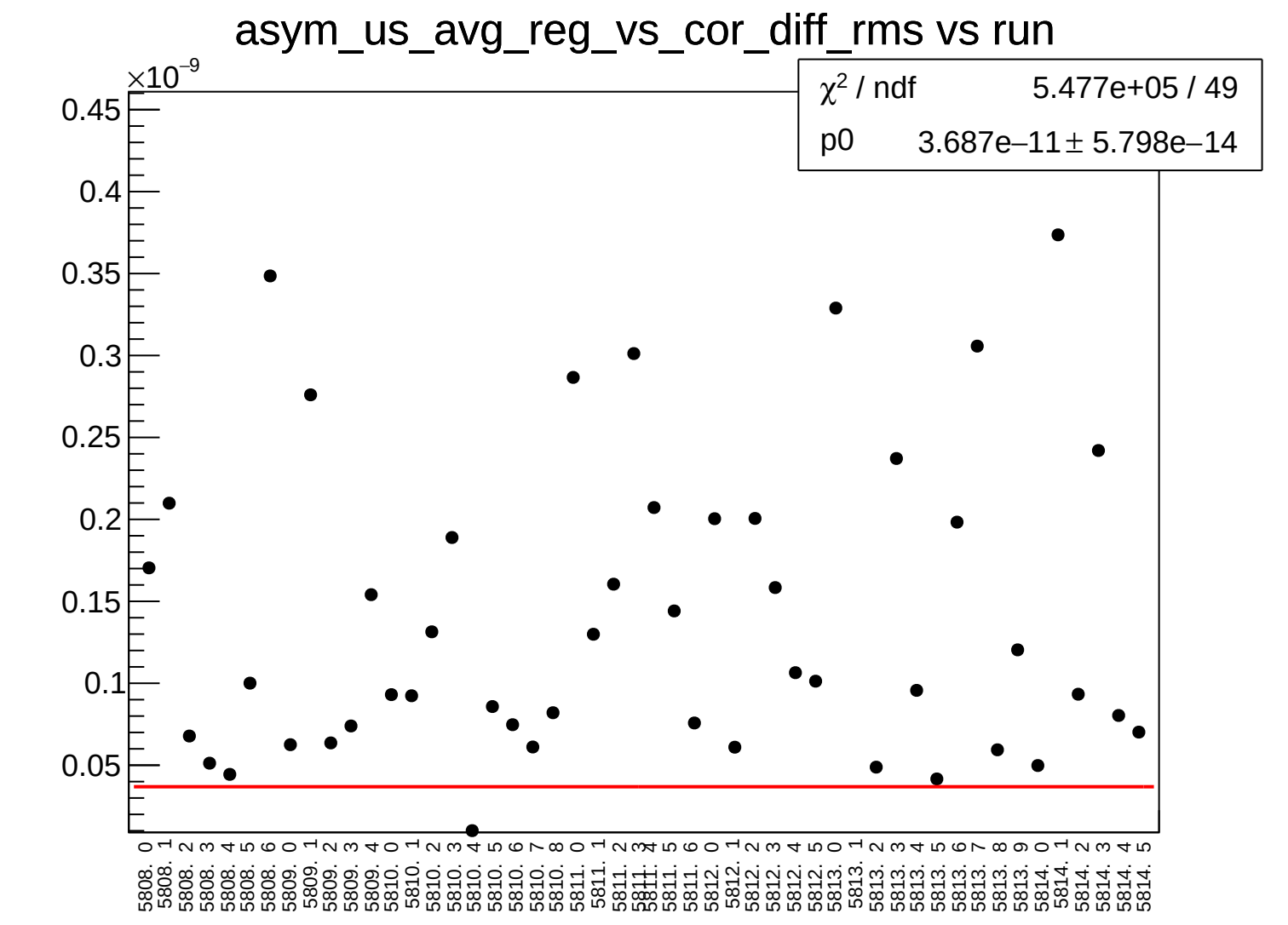

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 4132 / 49
p0 1437 ± 1.476
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

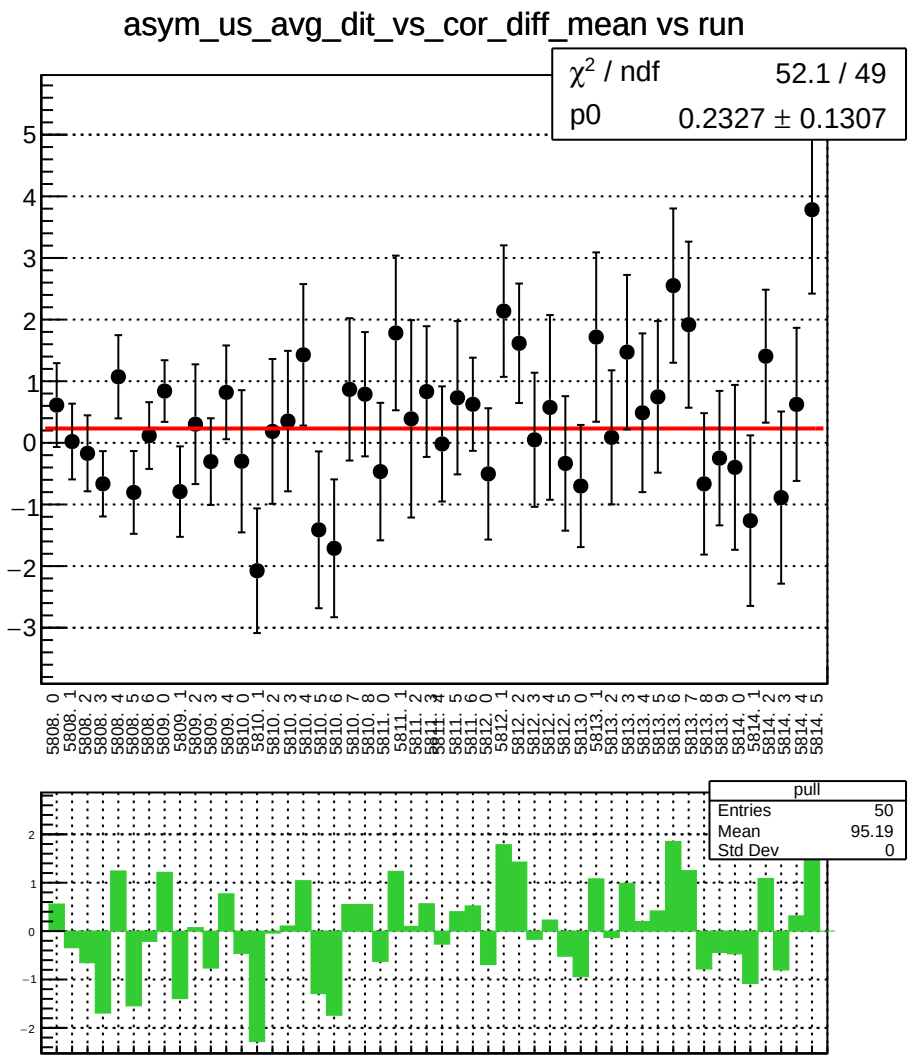

asym_us_avg_mean vs run
χ² / ndf 46.56 / 49
p0 −6744 ± 2282
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −65.68
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02668
Std Dev 0.9646
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

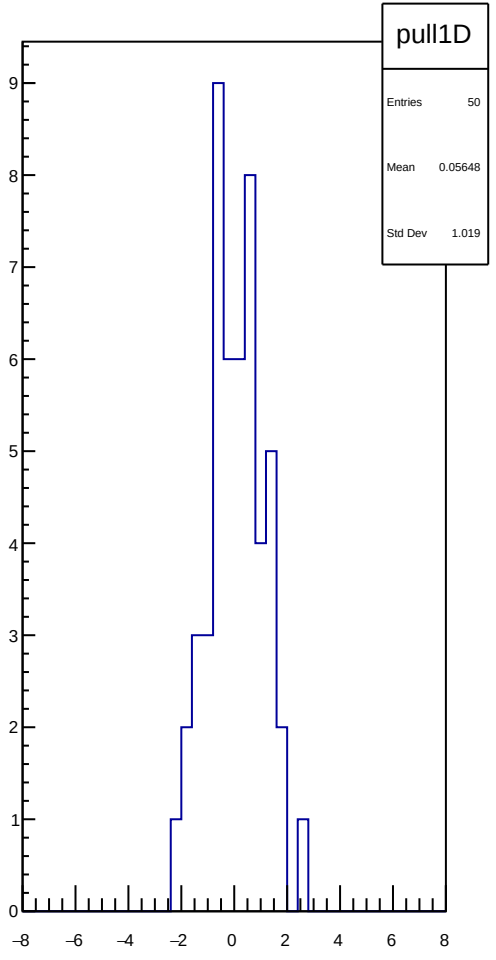

asym_us_avg_rms vs run
χ² / ndf 1507 / 49
p0 1574 ± 1.614
1700
1650
1600
1550
1500
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

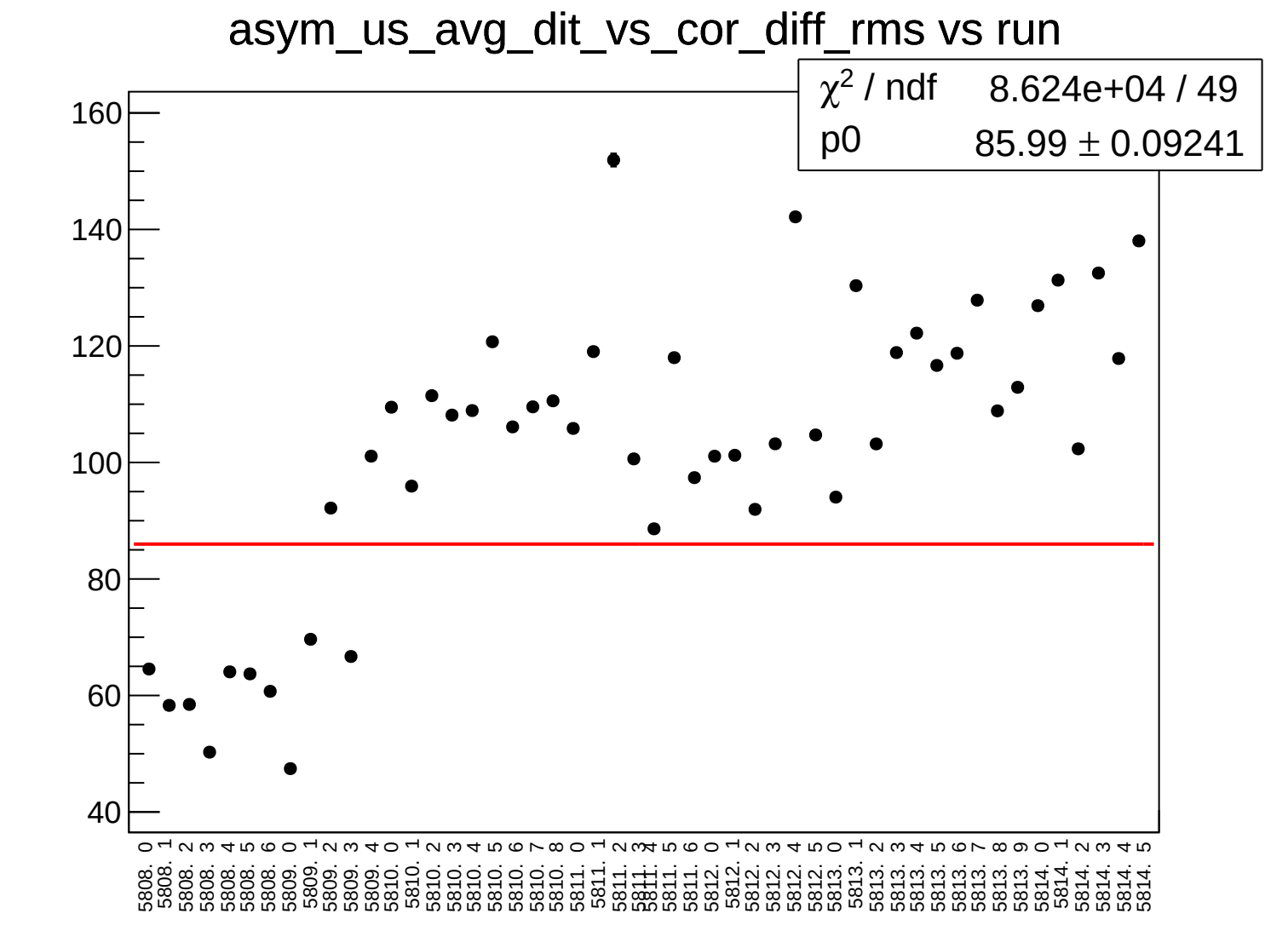

asym_us_avg_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.76 / 49
p0 8.104e−14 ± 8.2e−14
pull
Entries 50
Mean 7.738
Std Dev 15.83

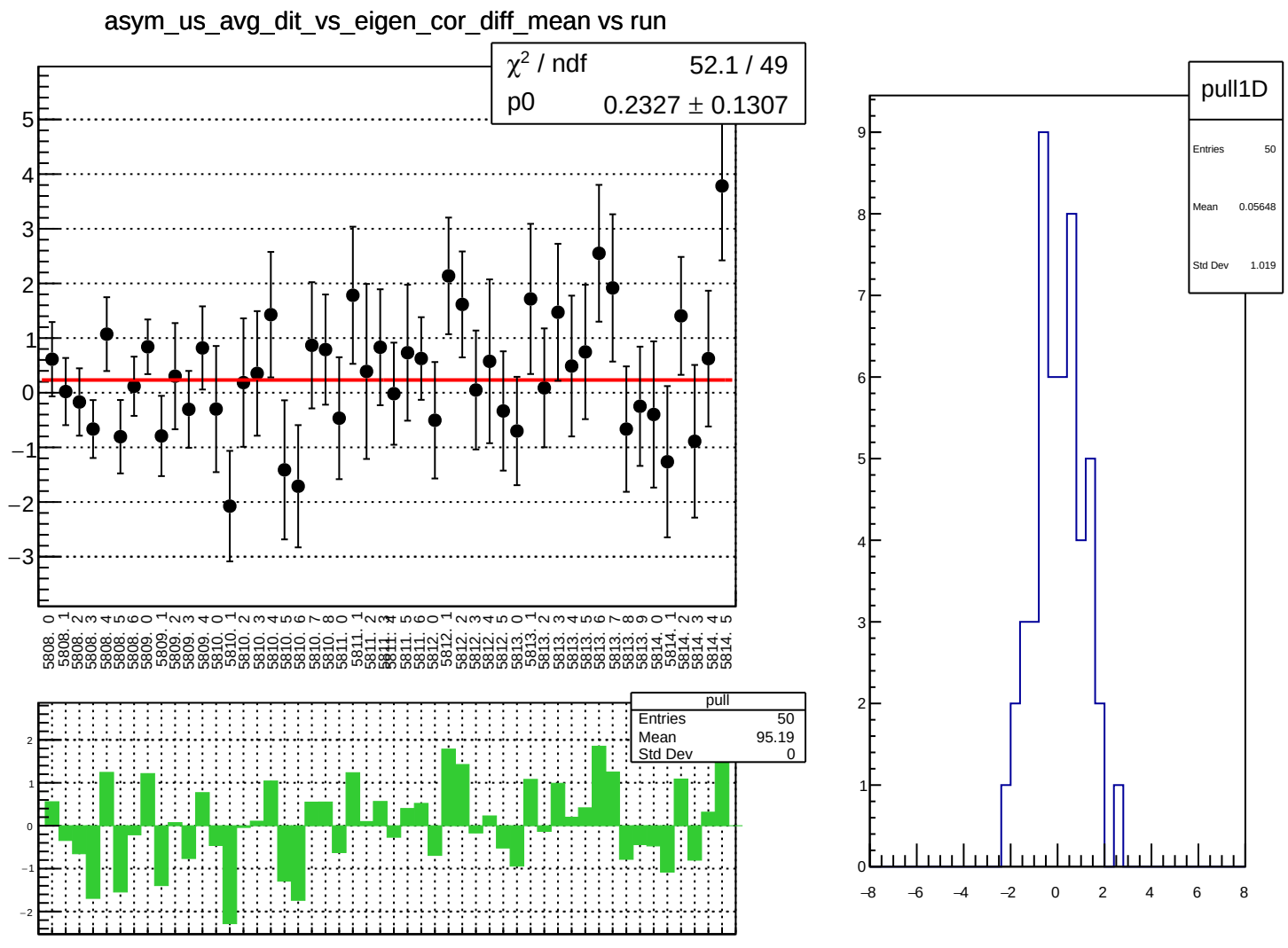

pull1D
Entries 50
Mean −0.07696
Std Dev 0.9535

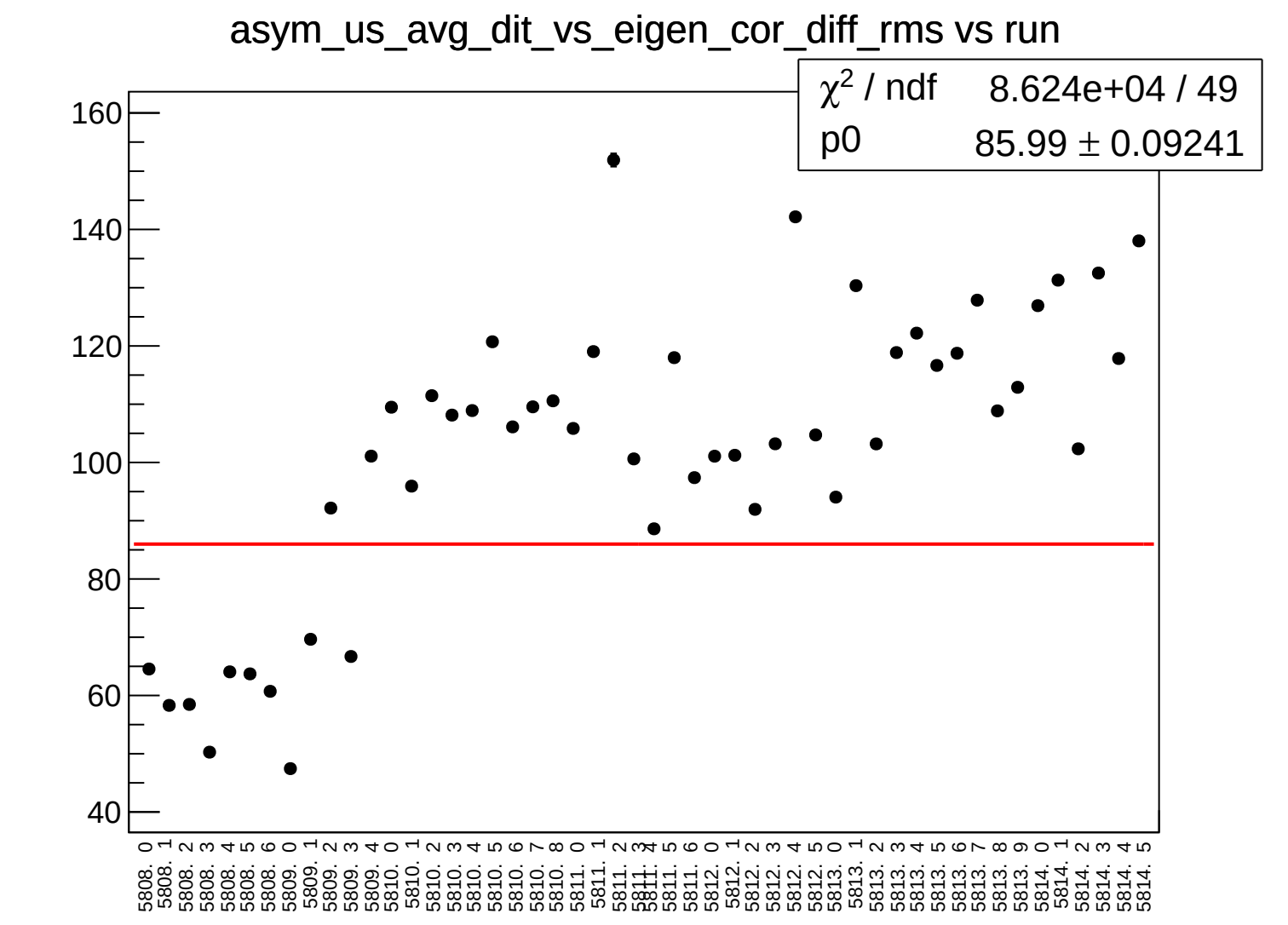

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.477e+05 / 49
p0 3.687e−11 ± 5.798e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.1 / 49
p0 0.2327 ± 0.1307
pull
Entries 50
Mean 95.19
Std Dev 0


pull1D
Entries 50
Mean 0.05648
Std Dev 1.019


asym_us_avg_dit_vs_cor_diff_rms vs run
χ2 / ndf 8.624e+04 / 49
p0 85.99 ± 0.09241
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.1 / 49
p0 0.2327 ± 0.1307
pull
Entries 50
Mean 95.19
Std Dev 0
pull1D
Entries 50
Mean 0.05648
Std Dev 1.019


asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 8.624e+04 / 49
p0 85.99 ± 0.09241
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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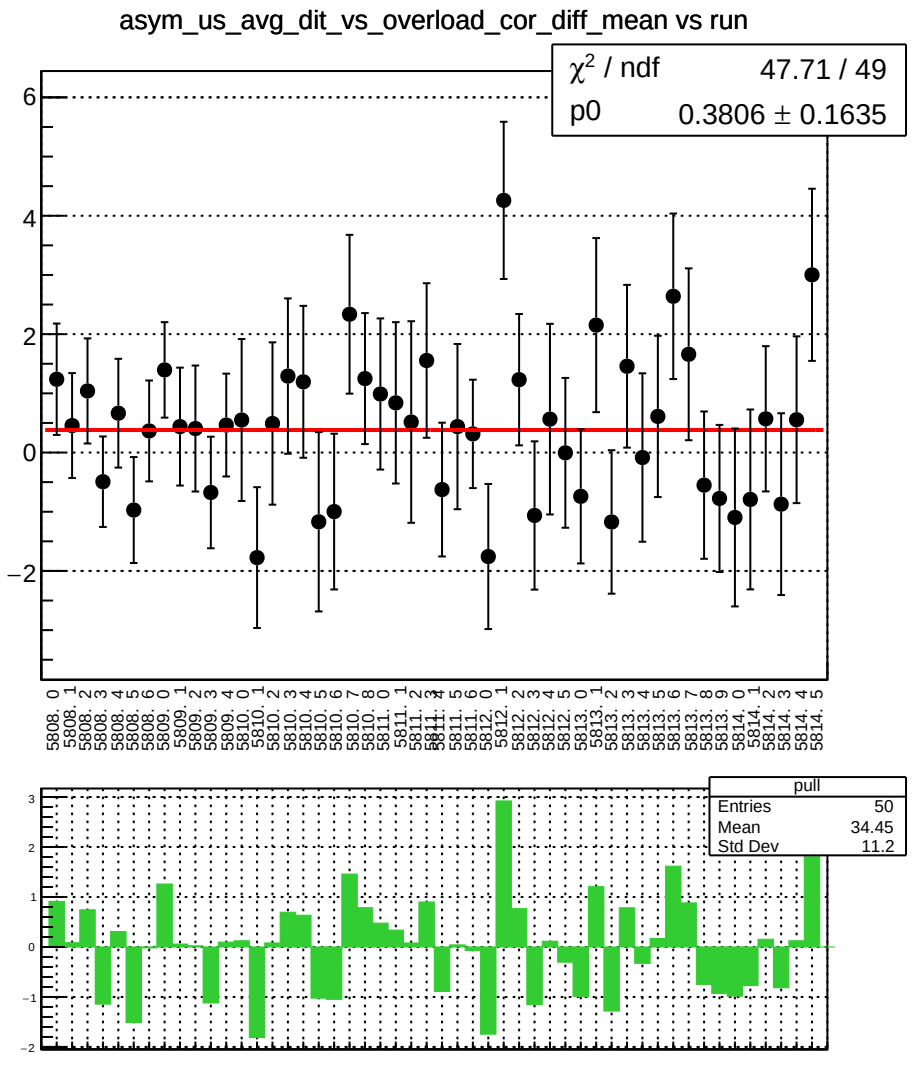
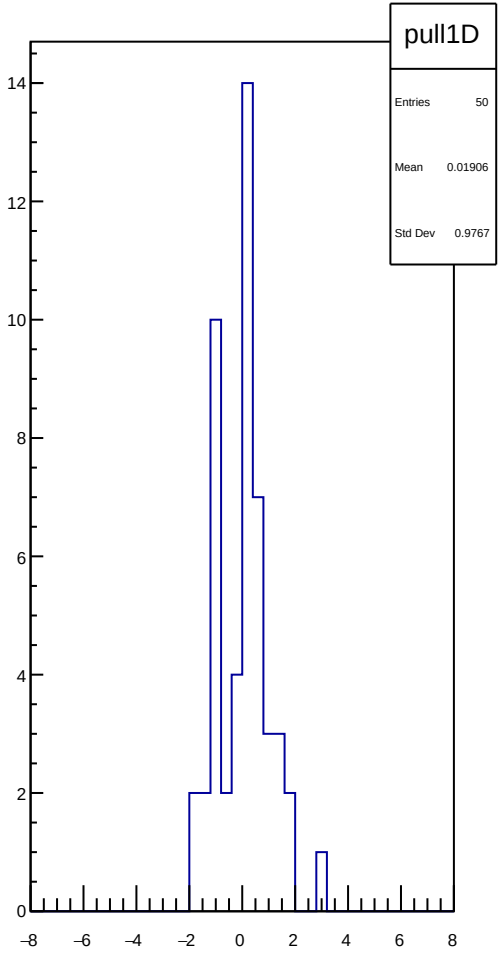
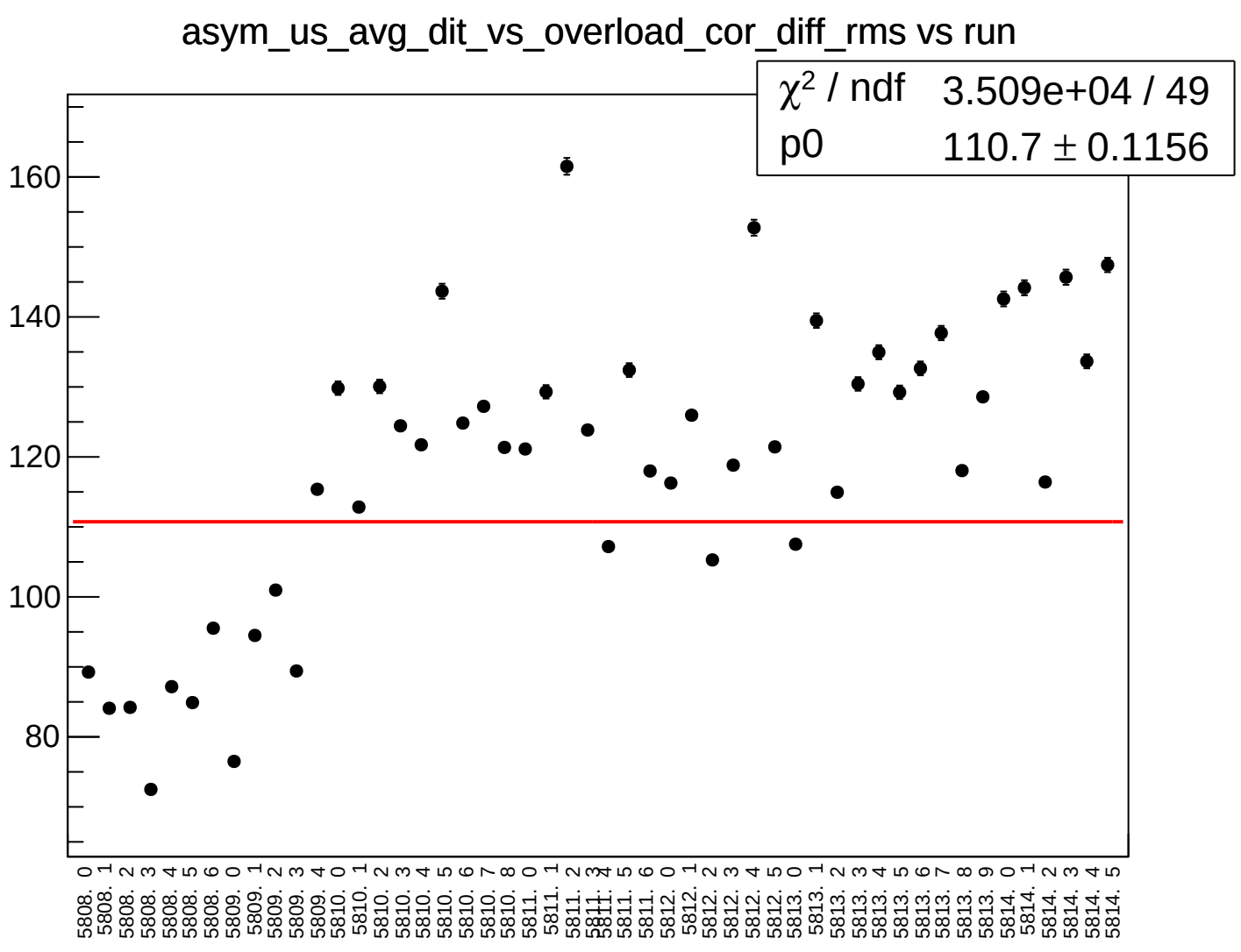
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.3806 ± 0.1635
pull
Entries 50
Mean 34.45
Std Dev 11.2


pull1D
Entries 50
Mean 0.01906
Std Dev 0.9767


asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.509e+04 / 49
p0 110.7 ± 0.1156
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
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5812. 5
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5813. 2
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5813. 6
5813. 7
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5813. 9
5814. 0
5814. 1
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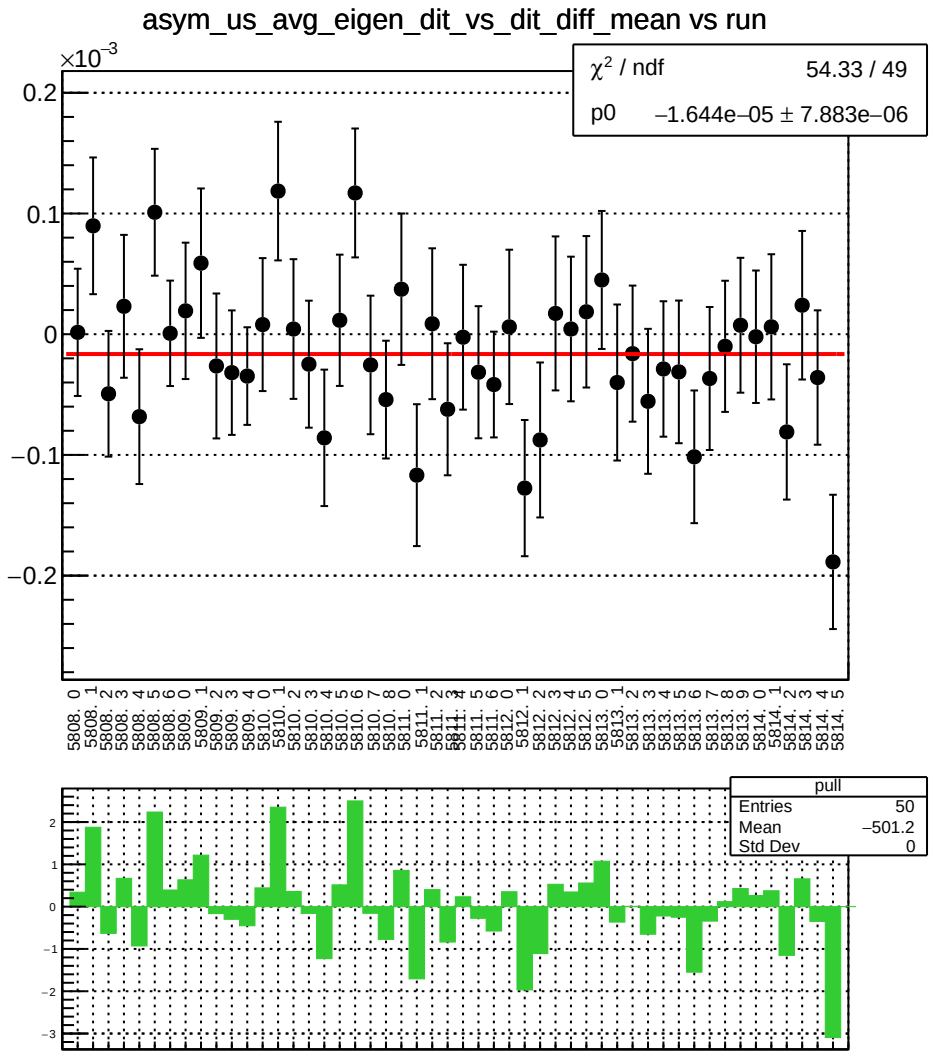
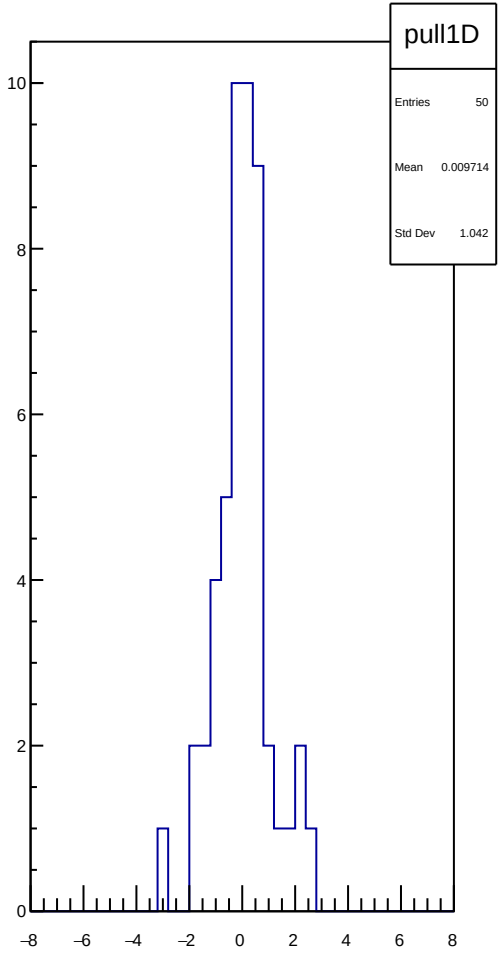
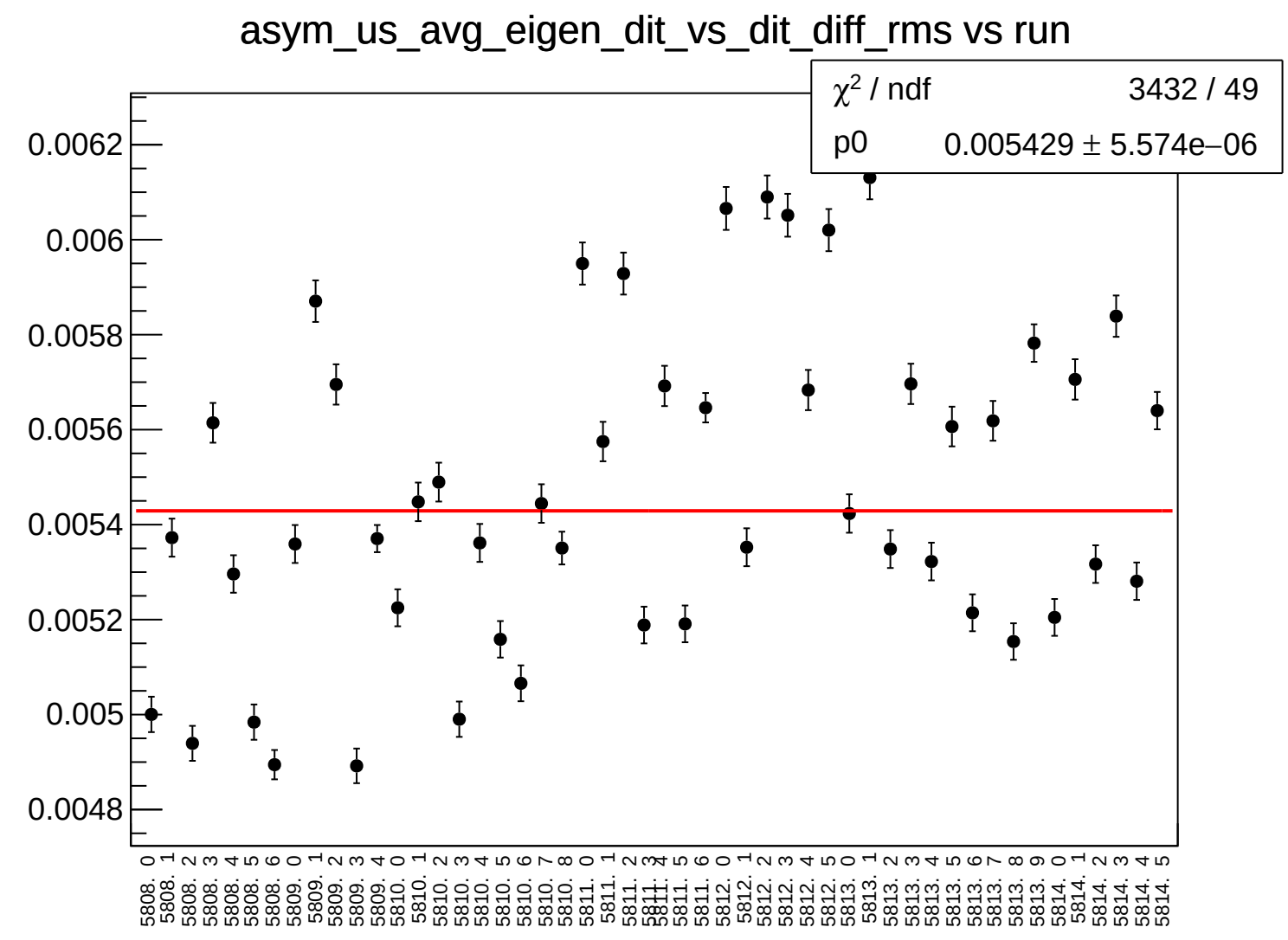
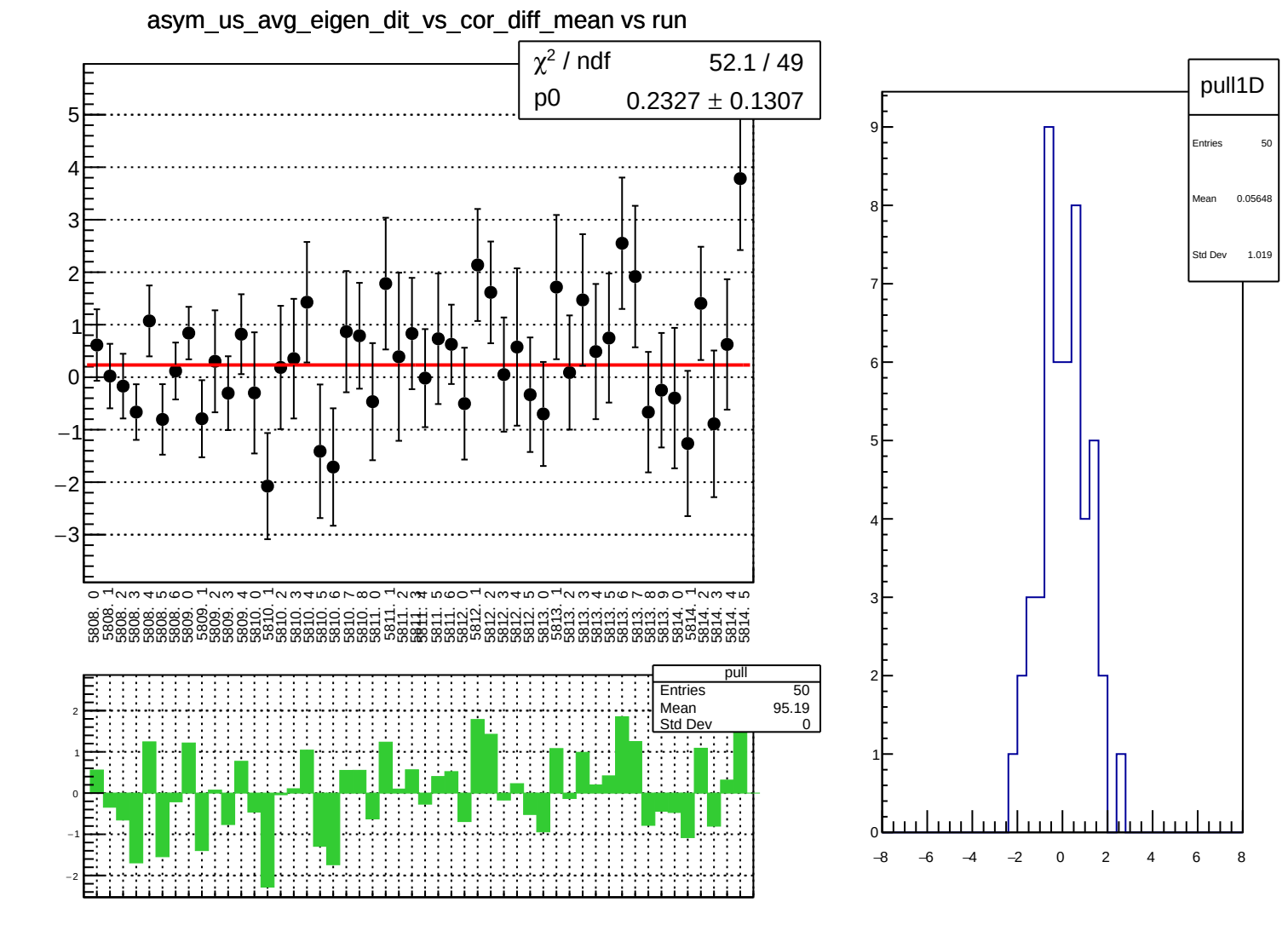
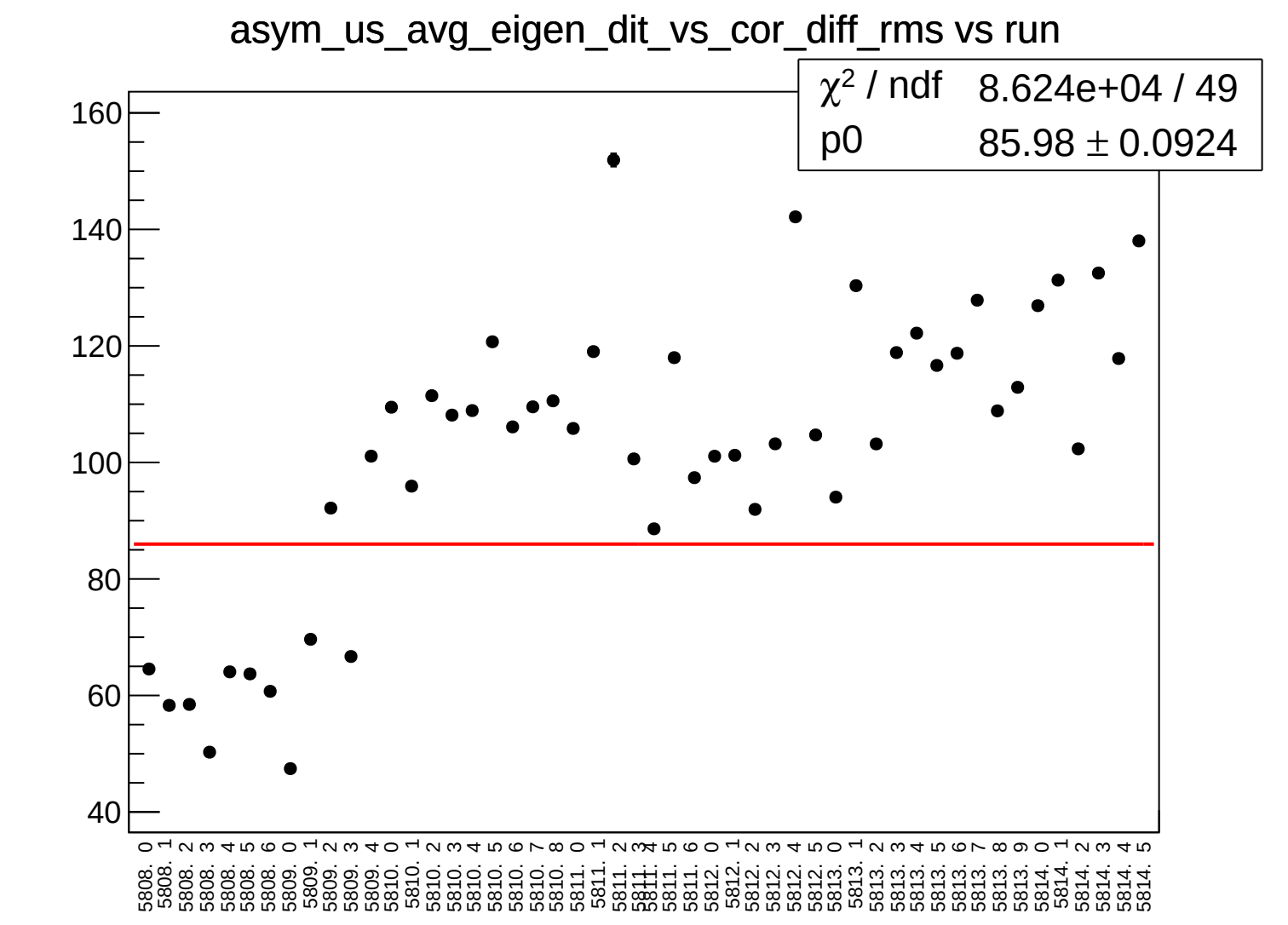
5814. 3
5814. 4
5814. 5

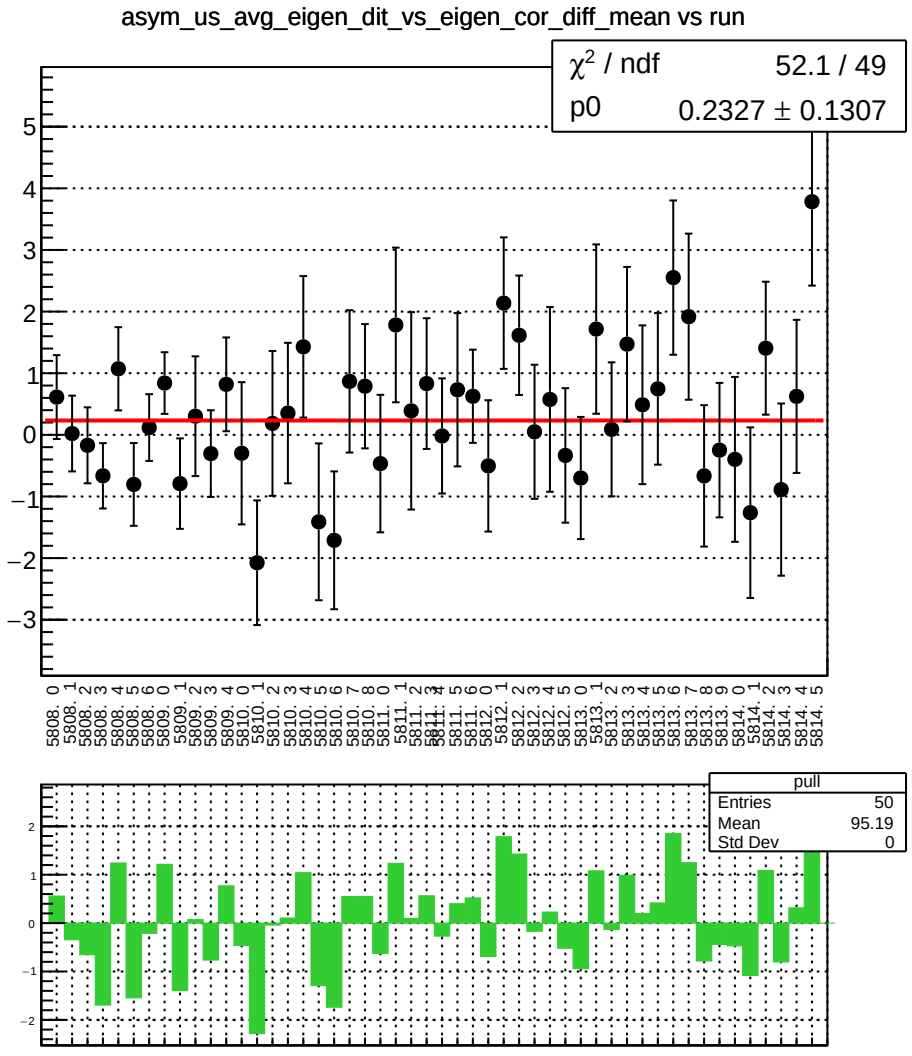

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.33 / 49
p0 −1.644e−05 ± 7.883e−06
pull
Entries 50
Mean −501.2
Std Dev 0

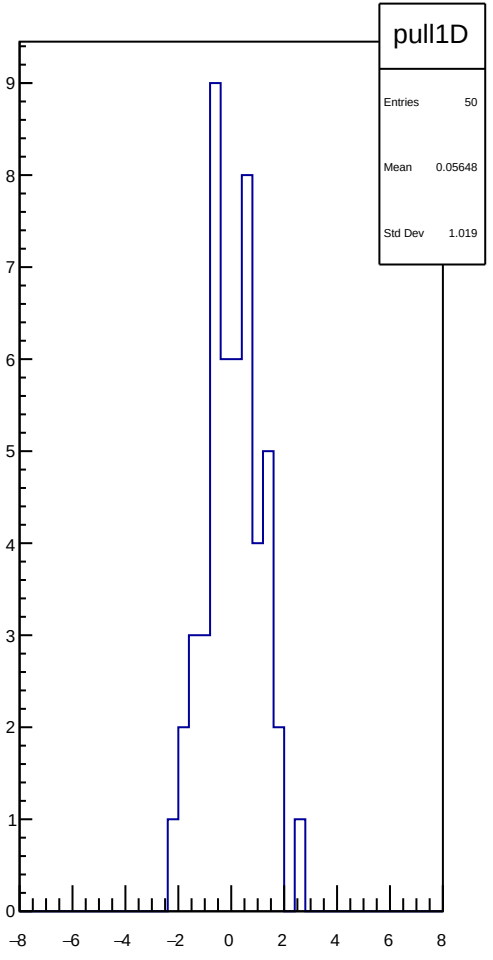

pull1D
Entries 50
Mean 0.009714
Std Dev 1.042

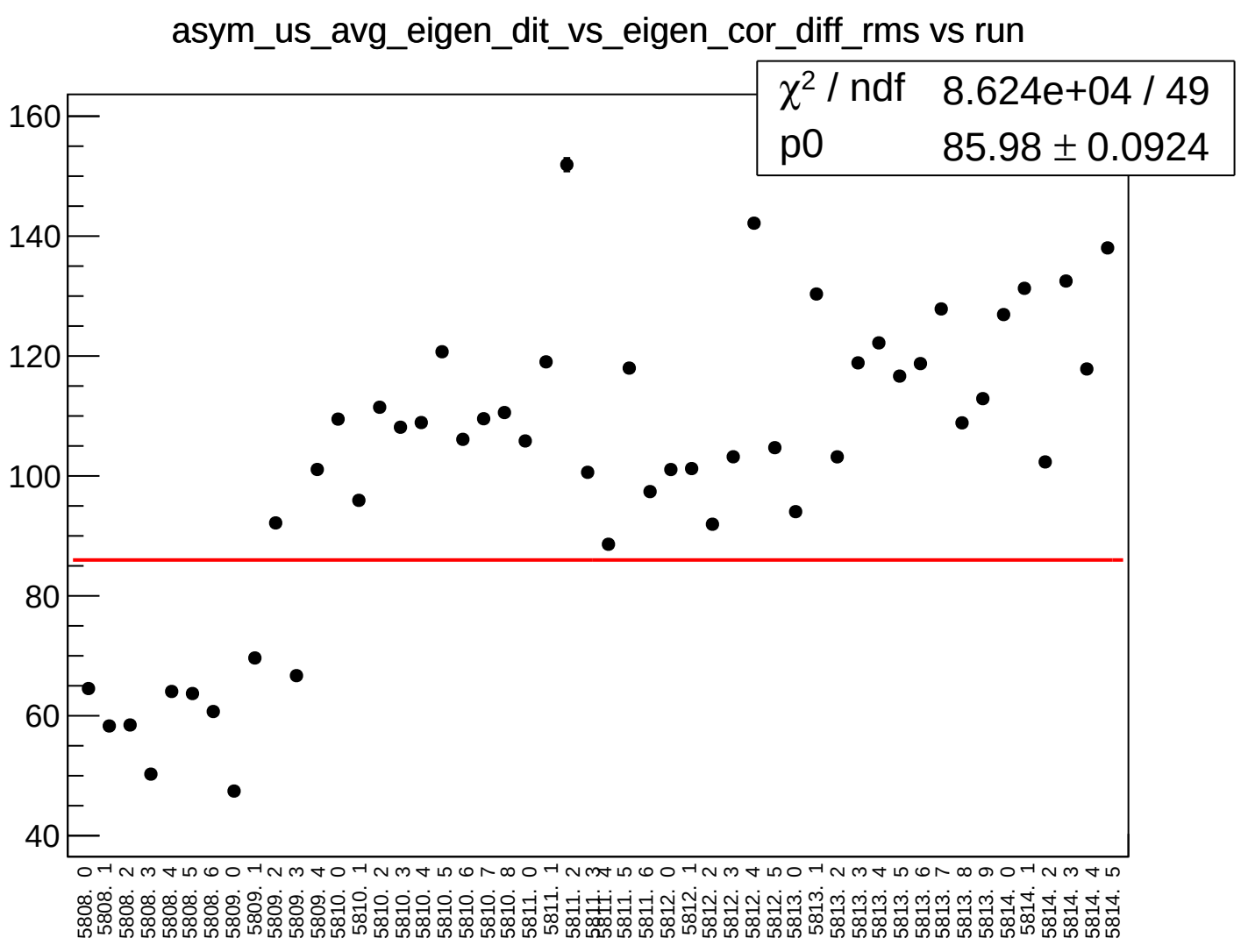

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3432 / 49
p0 0.005429 ± 5.574e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

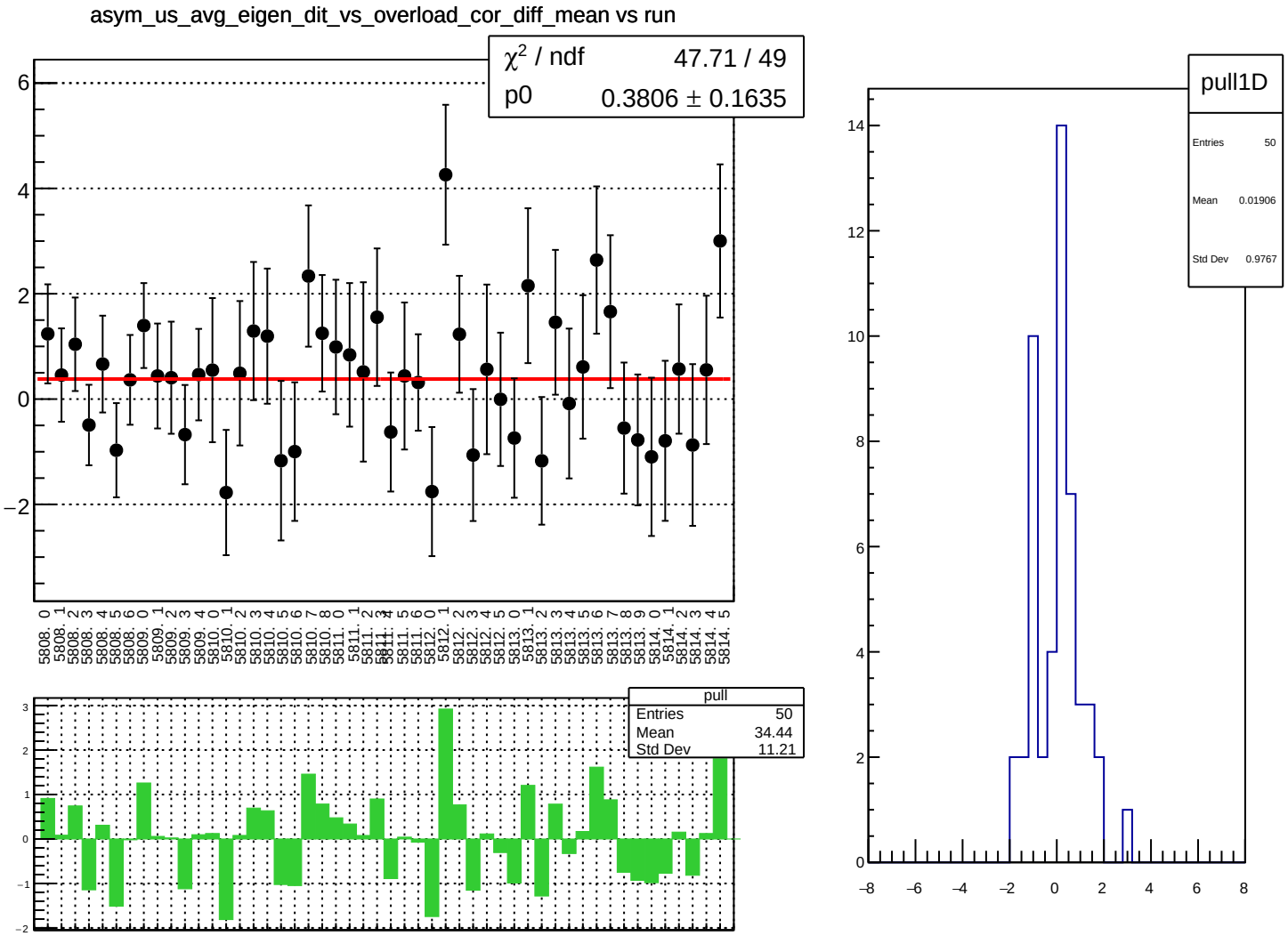

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.1 / 49
p0 0.2327 ± 0.1307
pull
Entries 50
Mean 95.19
Std Dev 0
pull1D
Entries 50
Mean 0.05648
Std Dev 1.019

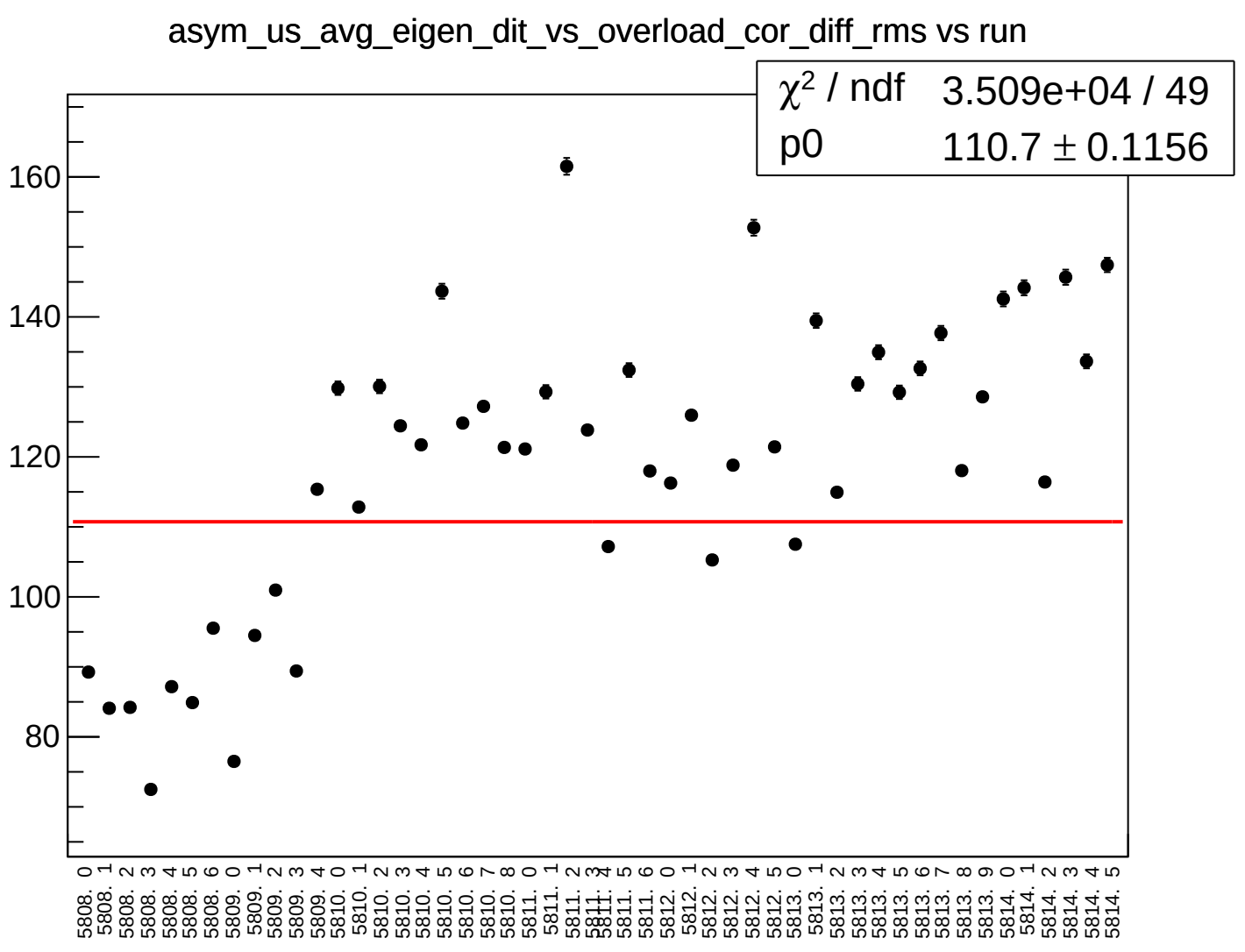

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.624e+04 / 49
p0 85.98 ± 0.0924
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

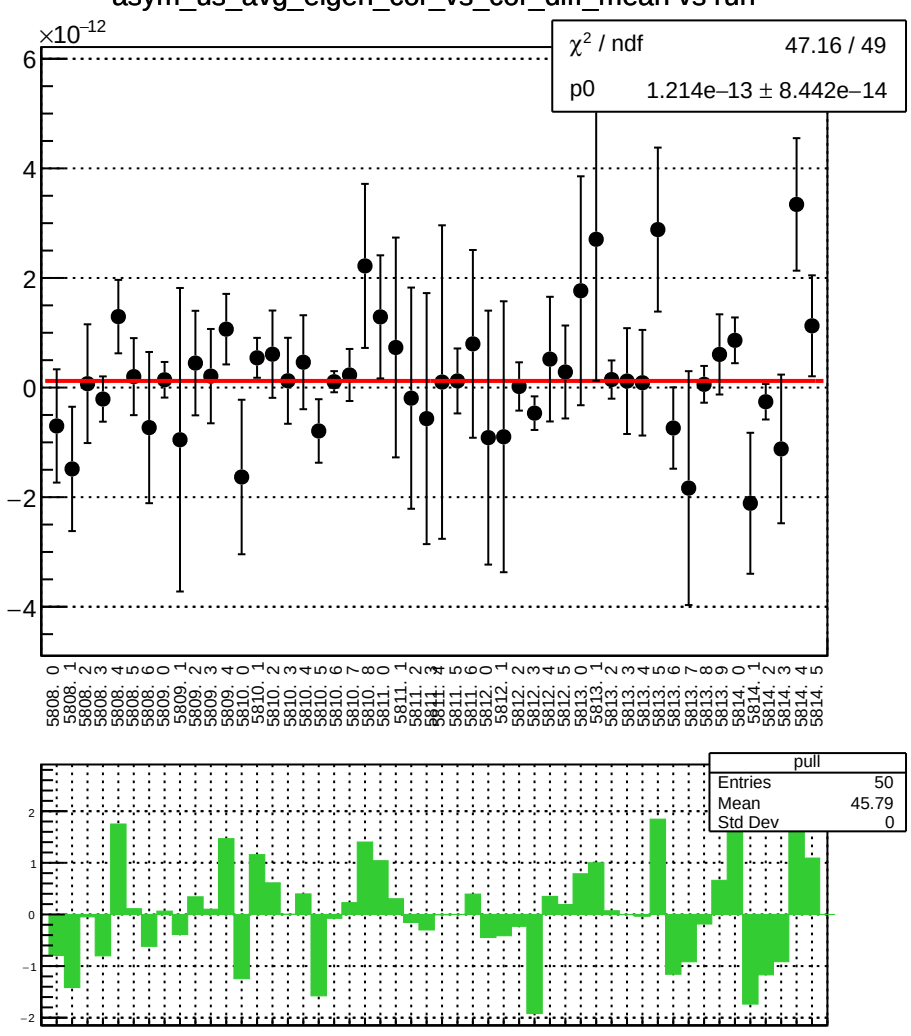

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.1 / 49
p0 0.2327 ± 0.1307
pull
Entries 50
Mean 95.19
Std Dev 0

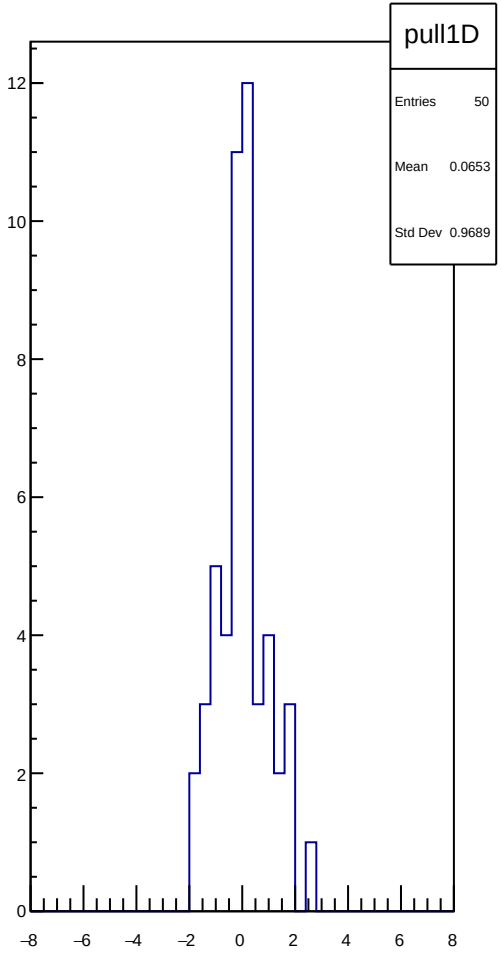

pull1D
Entries 50
Mean 0.05648
Std Dev 1.019

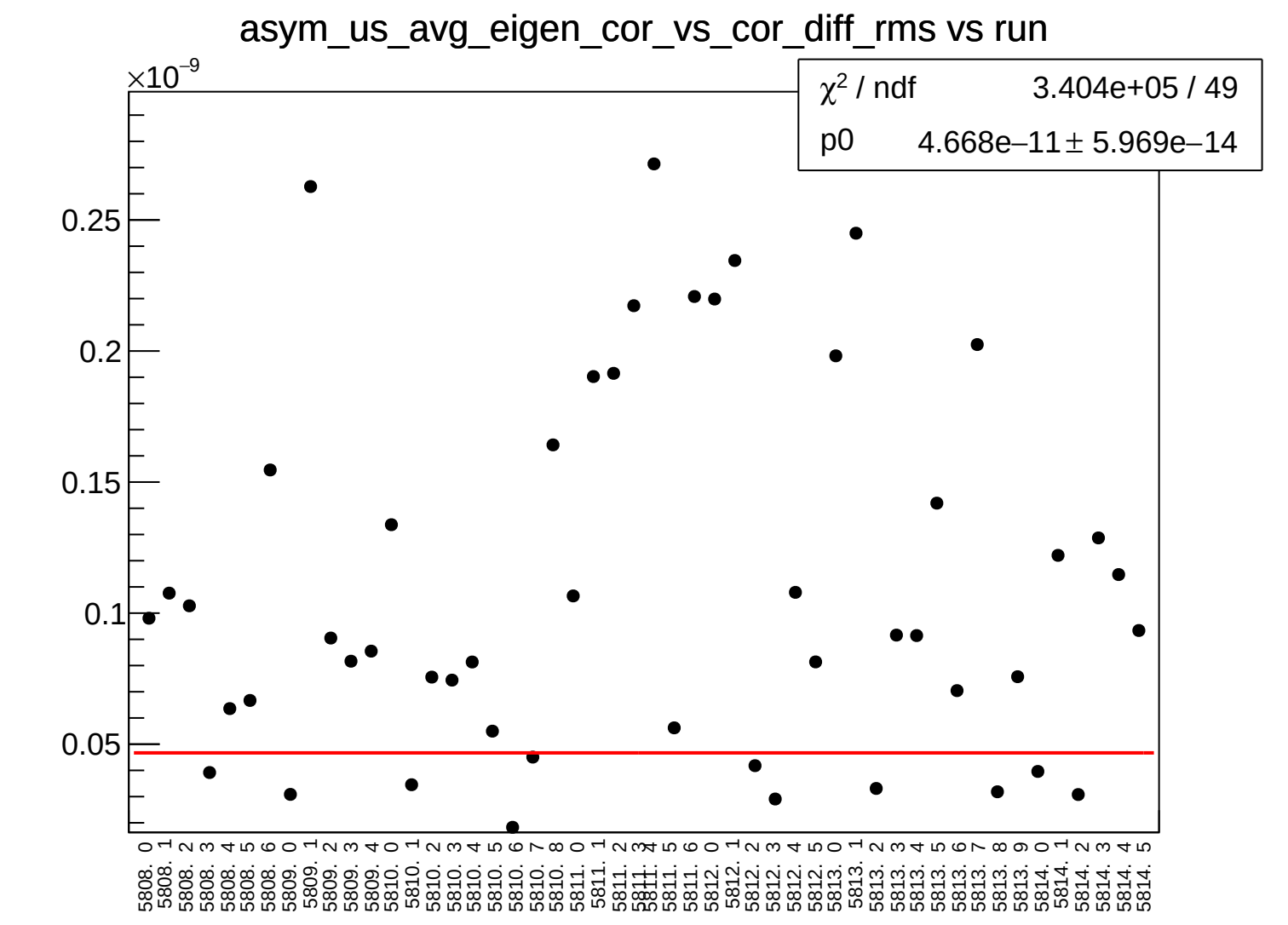

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.624e+04 / 49
p0 85.98 ± 0.0924
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

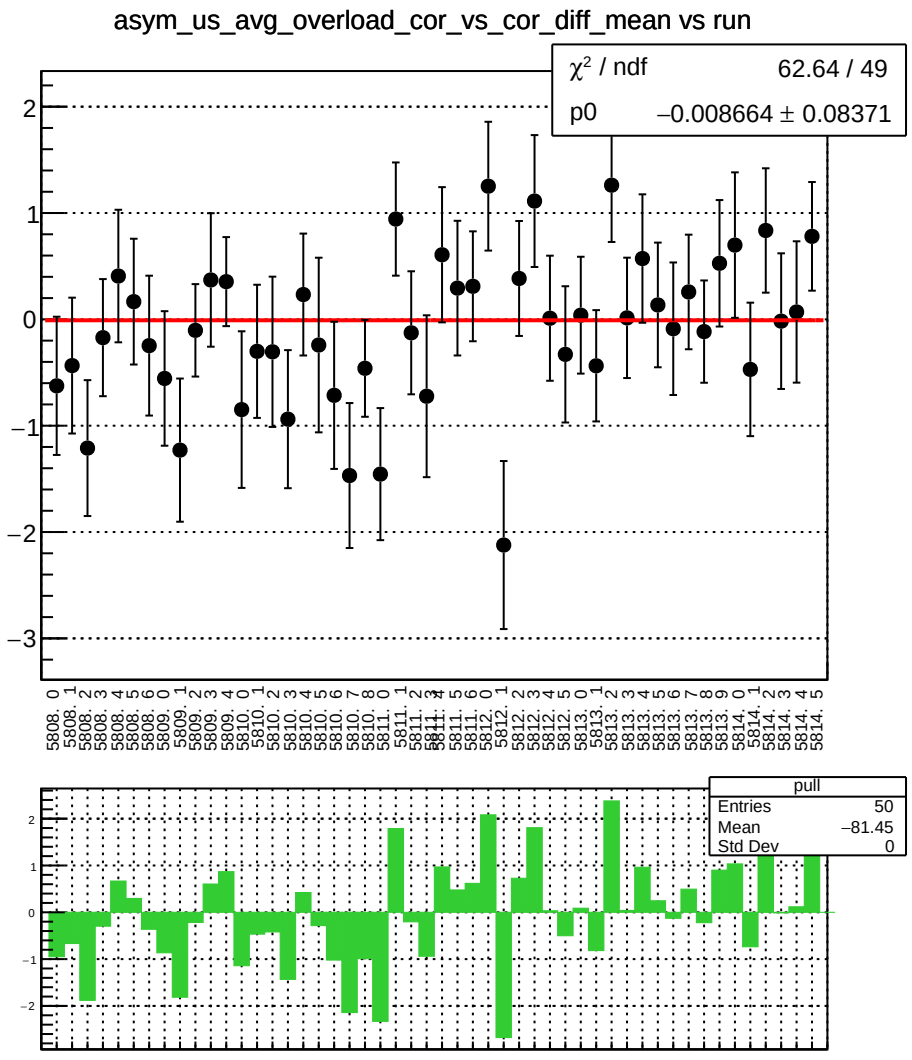

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.3806 ± 0.1635
pull
Entries 50
Mean 34.44
Std Dev 11.21
pull1D
Entries 50
Mean 0.01906
Std Dev 0.9767

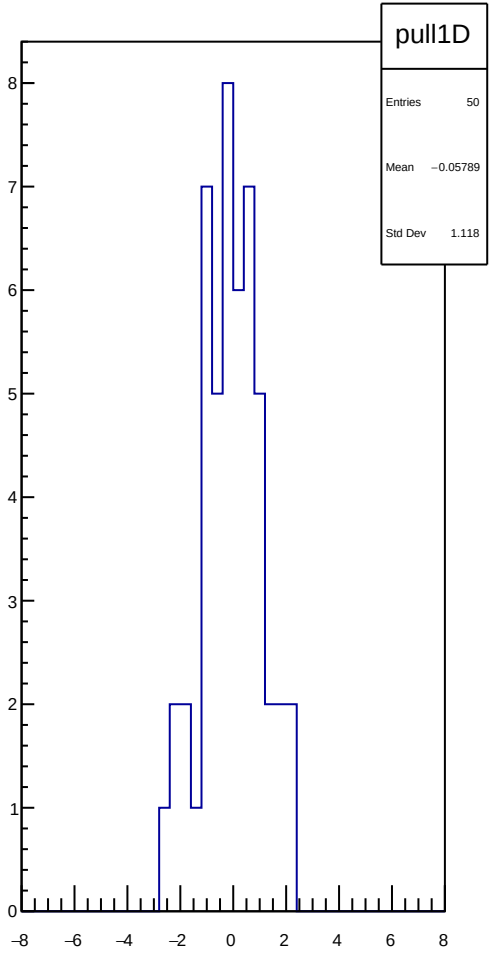

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.509e+04 / 49
p0 110.7 ± 0.1156
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

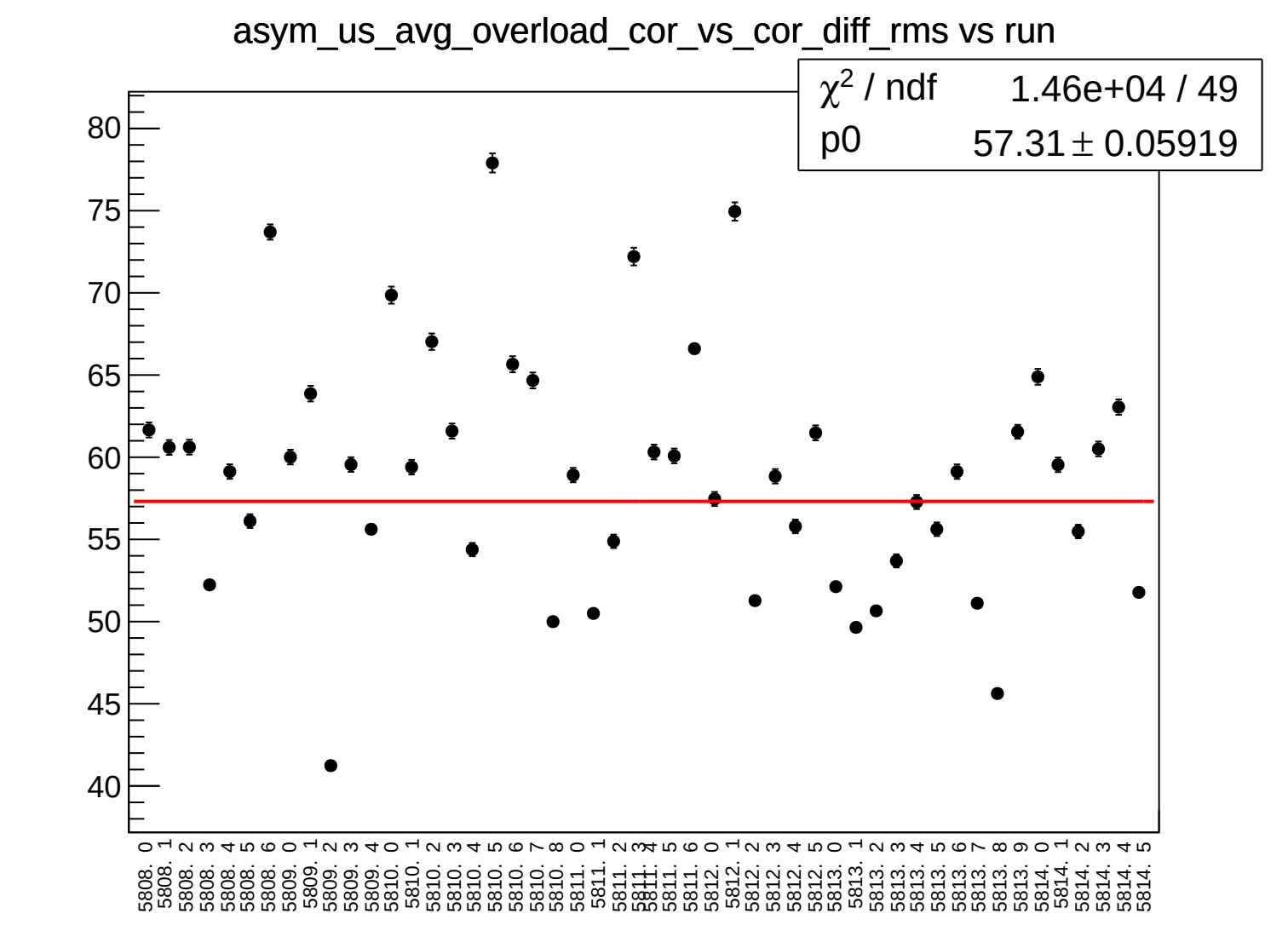

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.16 / 49
p0 1.214e−13 ± 8.442e−14
pull
Entries 50
Mean 45.79
Std Dev 0

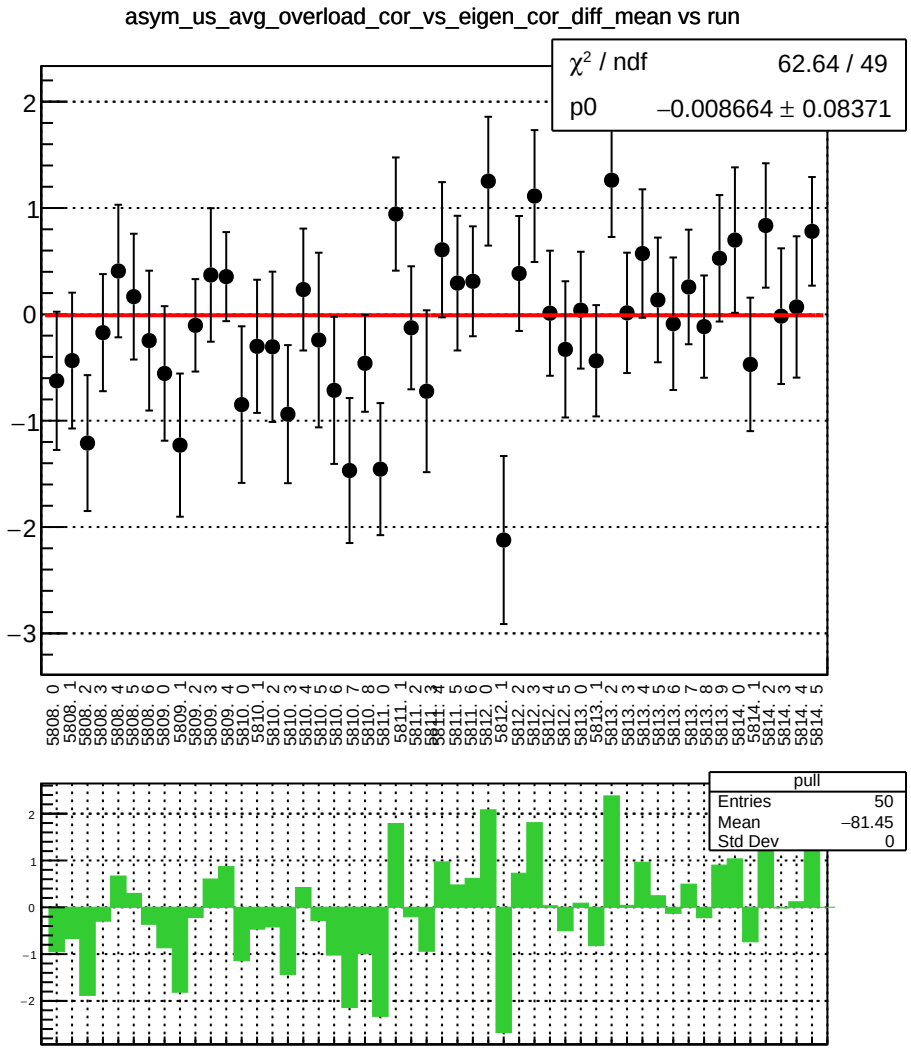

pull1D
Entries 50
Mean 0.0653
Std Dev 0.9689

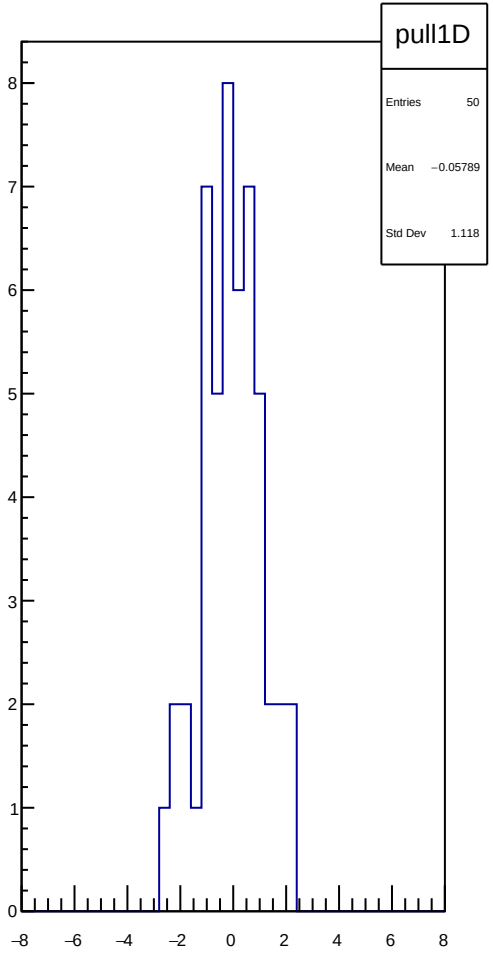

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.404e+05 / 49
p0 4.668e−11 ± 5.969e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

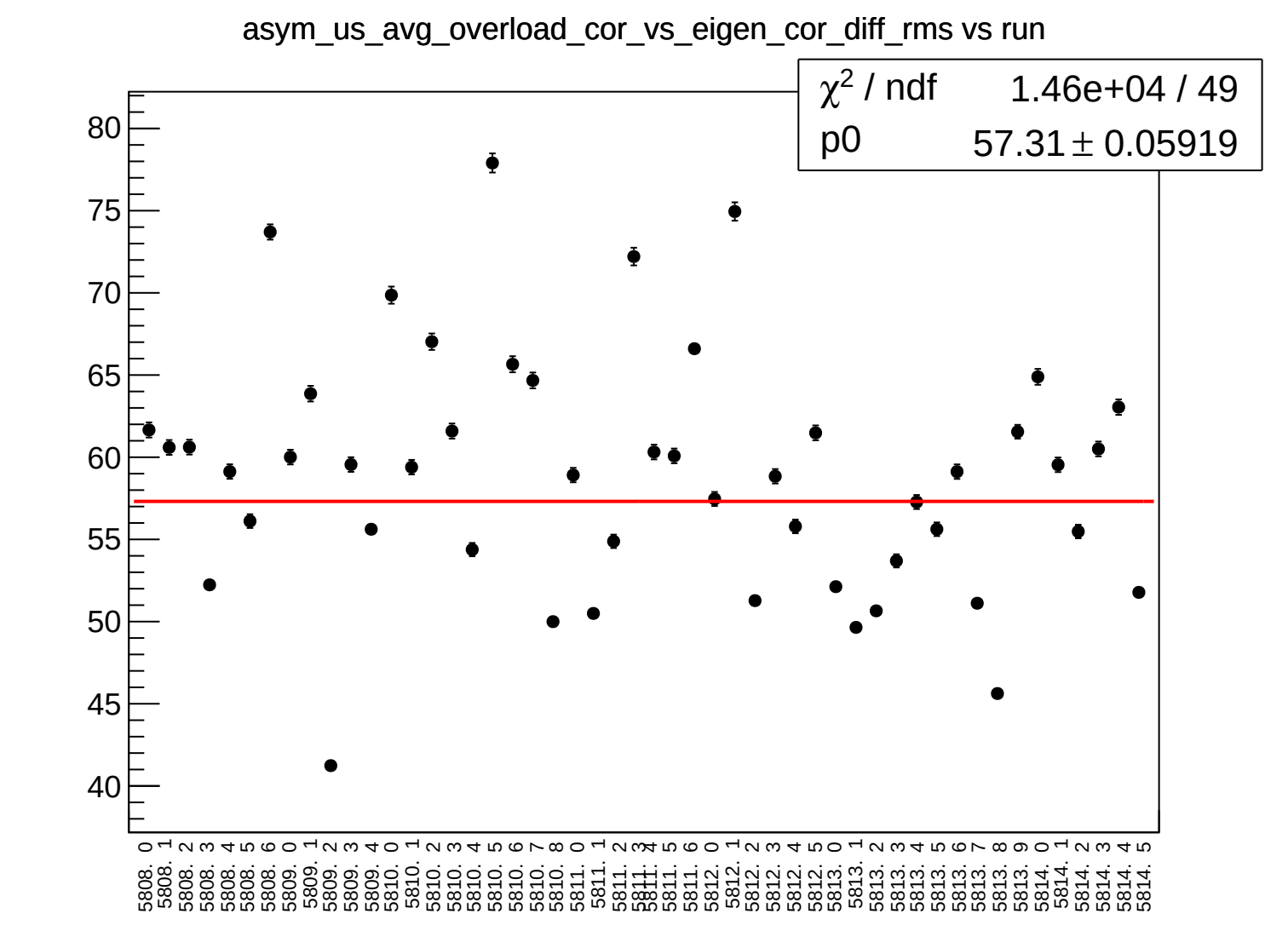

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 62.64 / 49
p0 −0.008664 ± 0.08371
pull
Entries 50
Mean −81.45
Std Dev 0

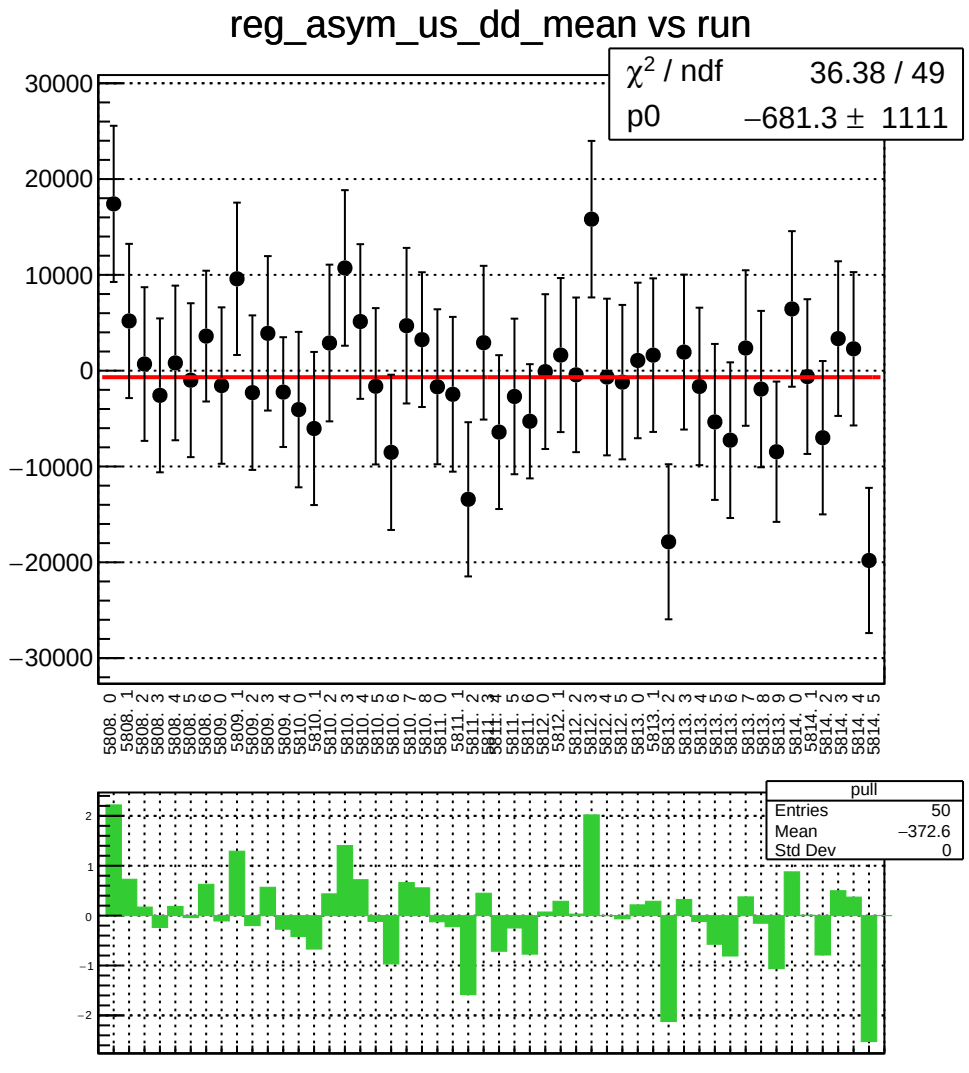

pull1D
Entries 50
Mean −0.05789
Std Dev 1.118

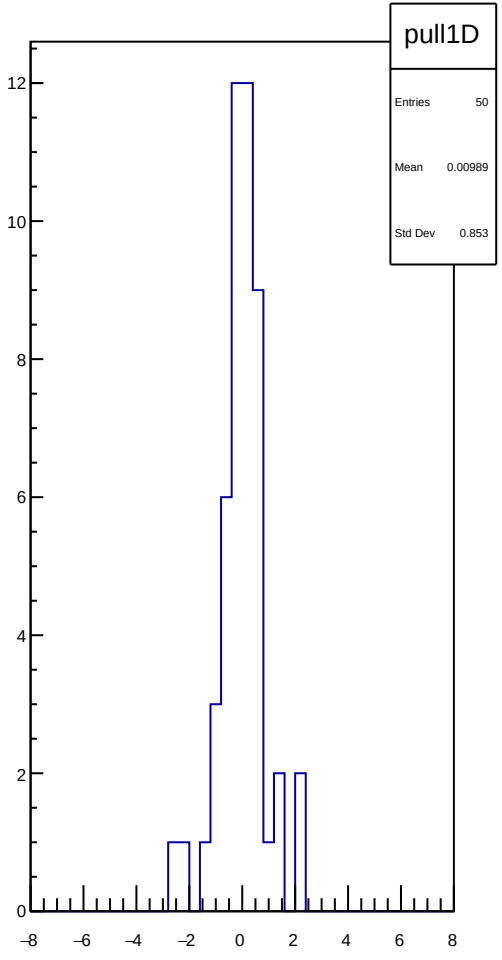

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 1.46e+04 / 49
p0 57.31 ± 0.05919
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

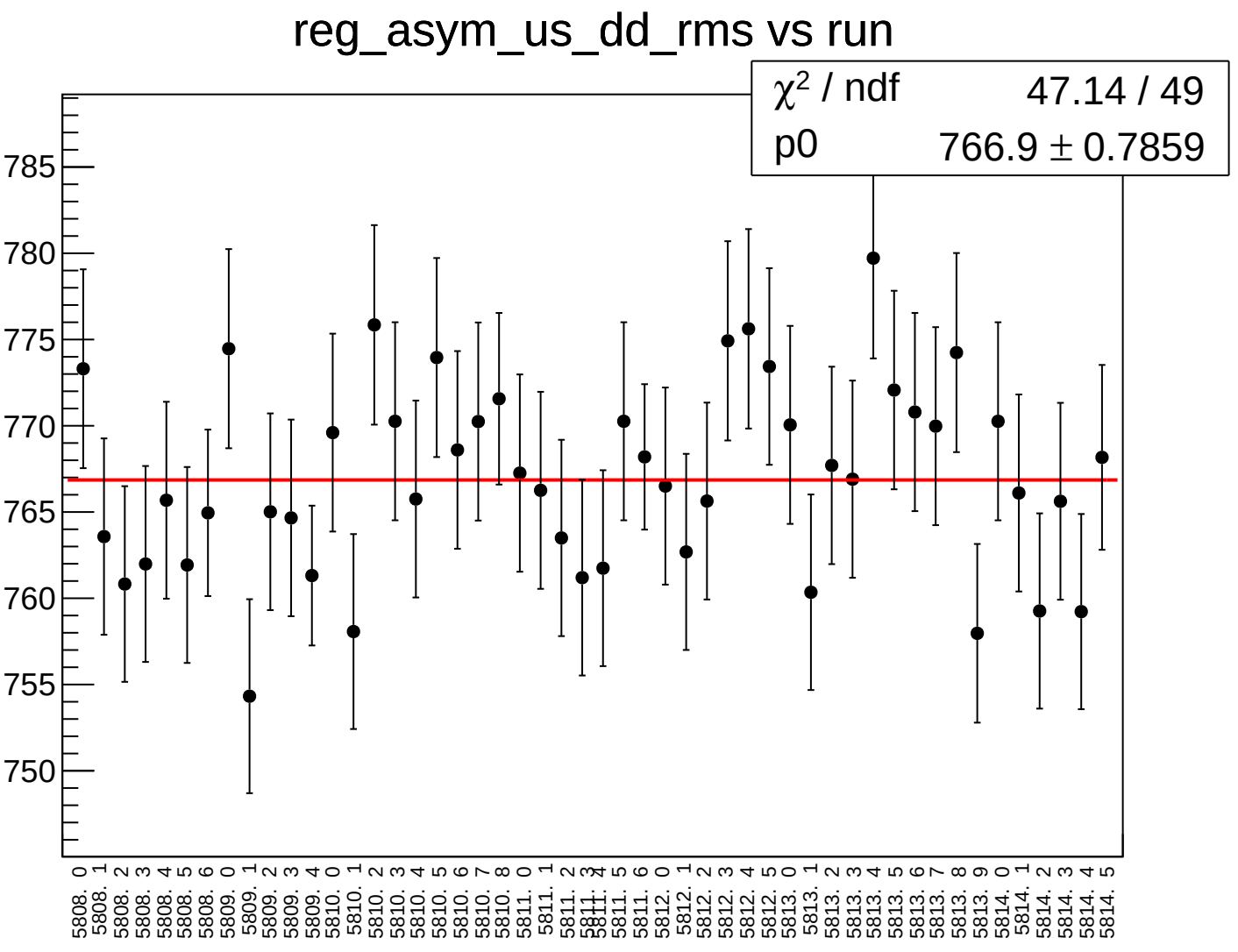

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.64 / 49
p0 −0.008664 ± 0.08371
pull
Entries 50
Mean −81.45
Std Dev 0

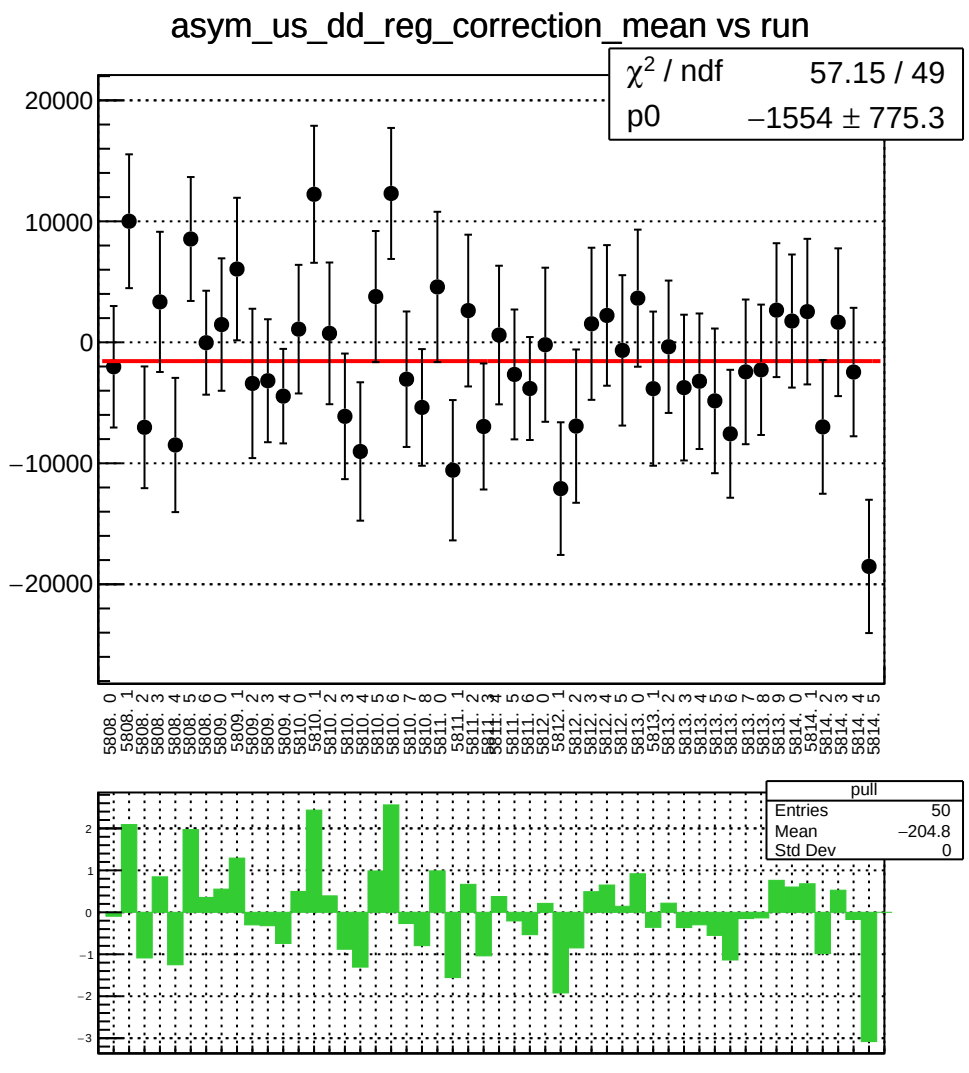

pull1D
Entries 50
Mean −0.05789
Std Dev 1.118

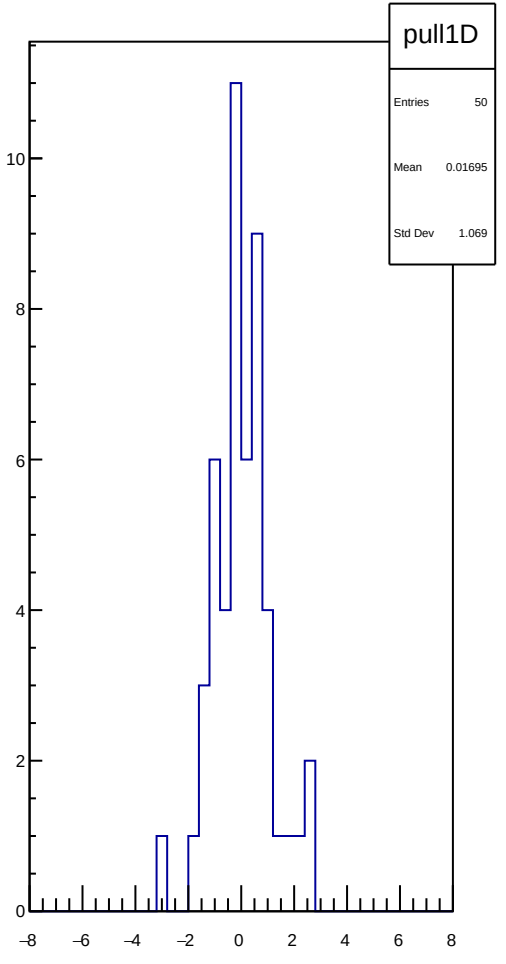

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.46e+04 / 49
p0 57.31 ± 0.05919
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

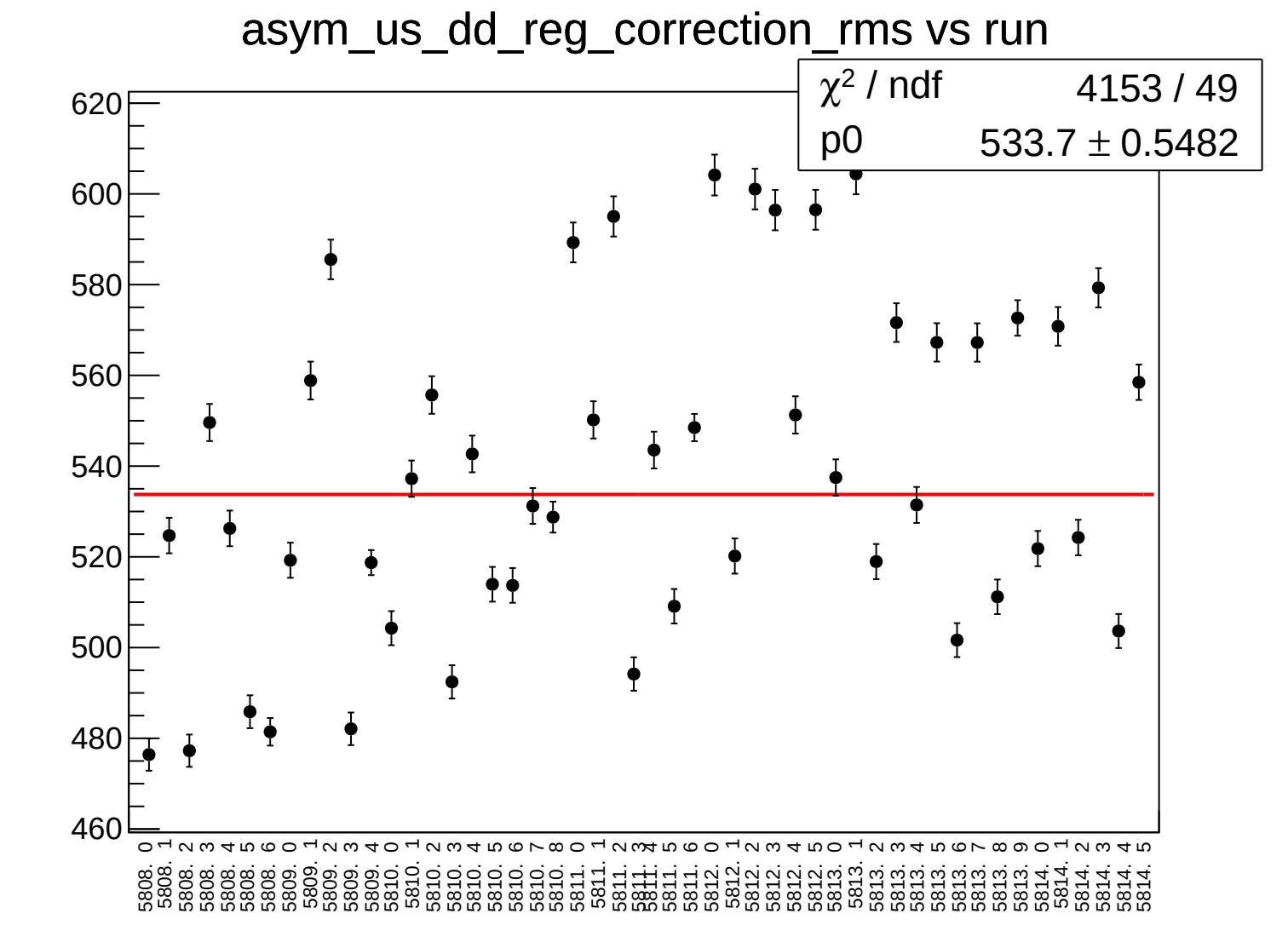

reg_asym_us_dd_mean vs run
χ² / ndf 36.38 / 49
p0 −681.3 ± 1111
pull
Entries 50
Mean −372.6
Std Dev 0

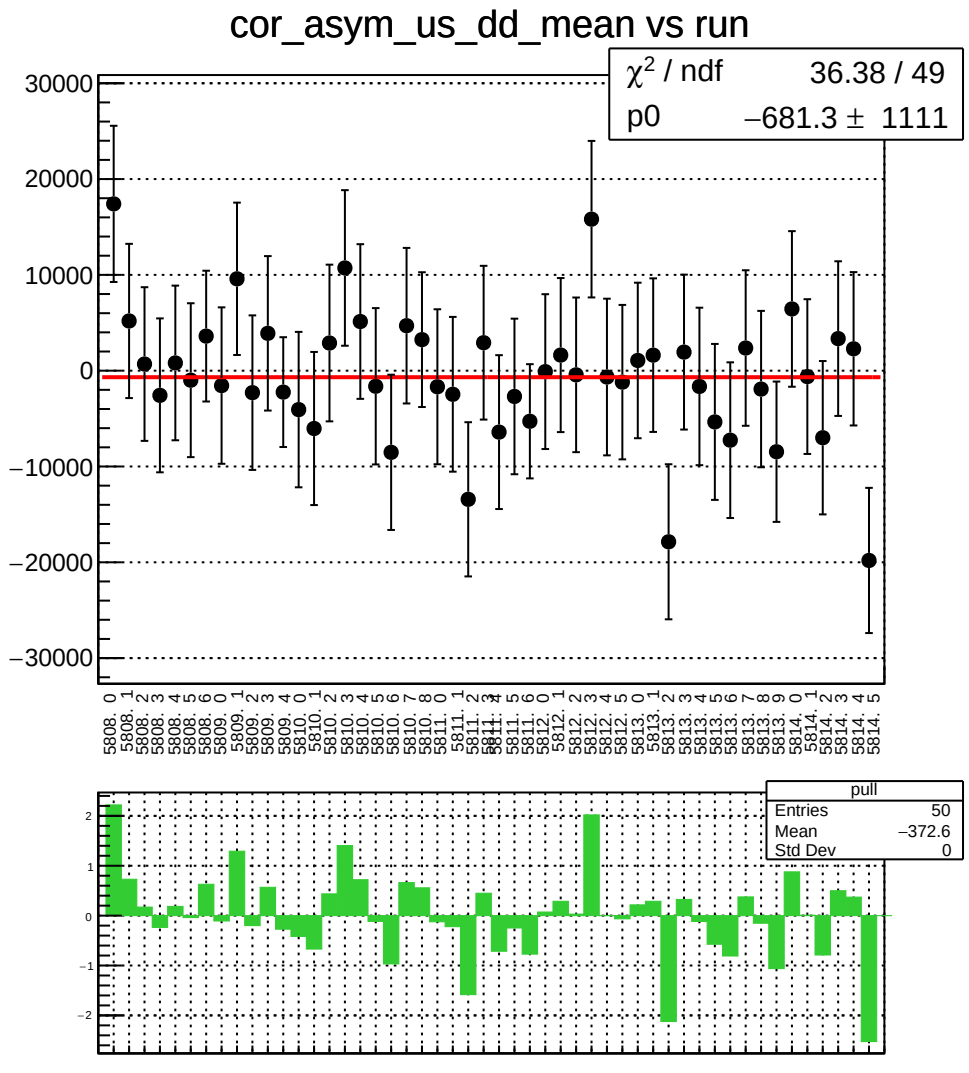

pull1D
Entries 50
Mean 0.00989
Std Dev 0.853

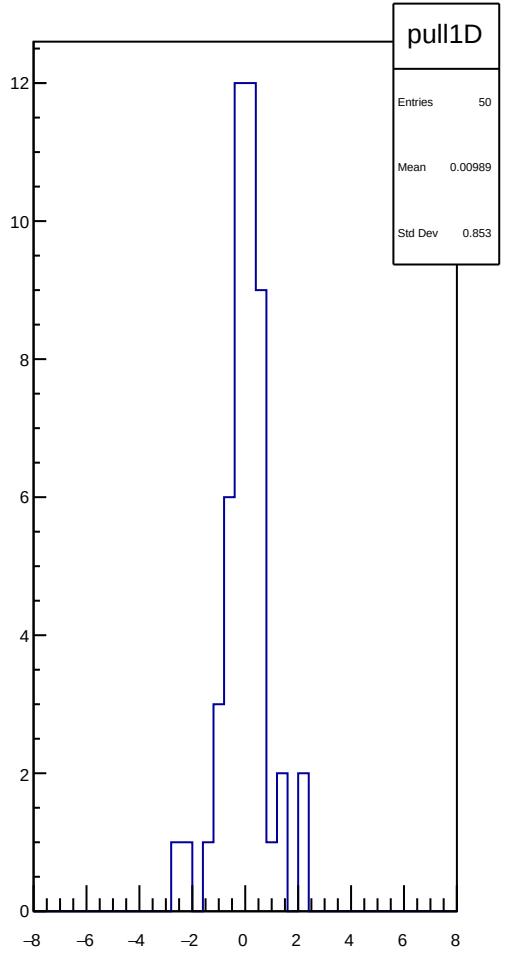

reg_asym_us_dd_rms vs run
χ² / ndf 47.14 / 49
p0 766.9 ± 0.7859
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

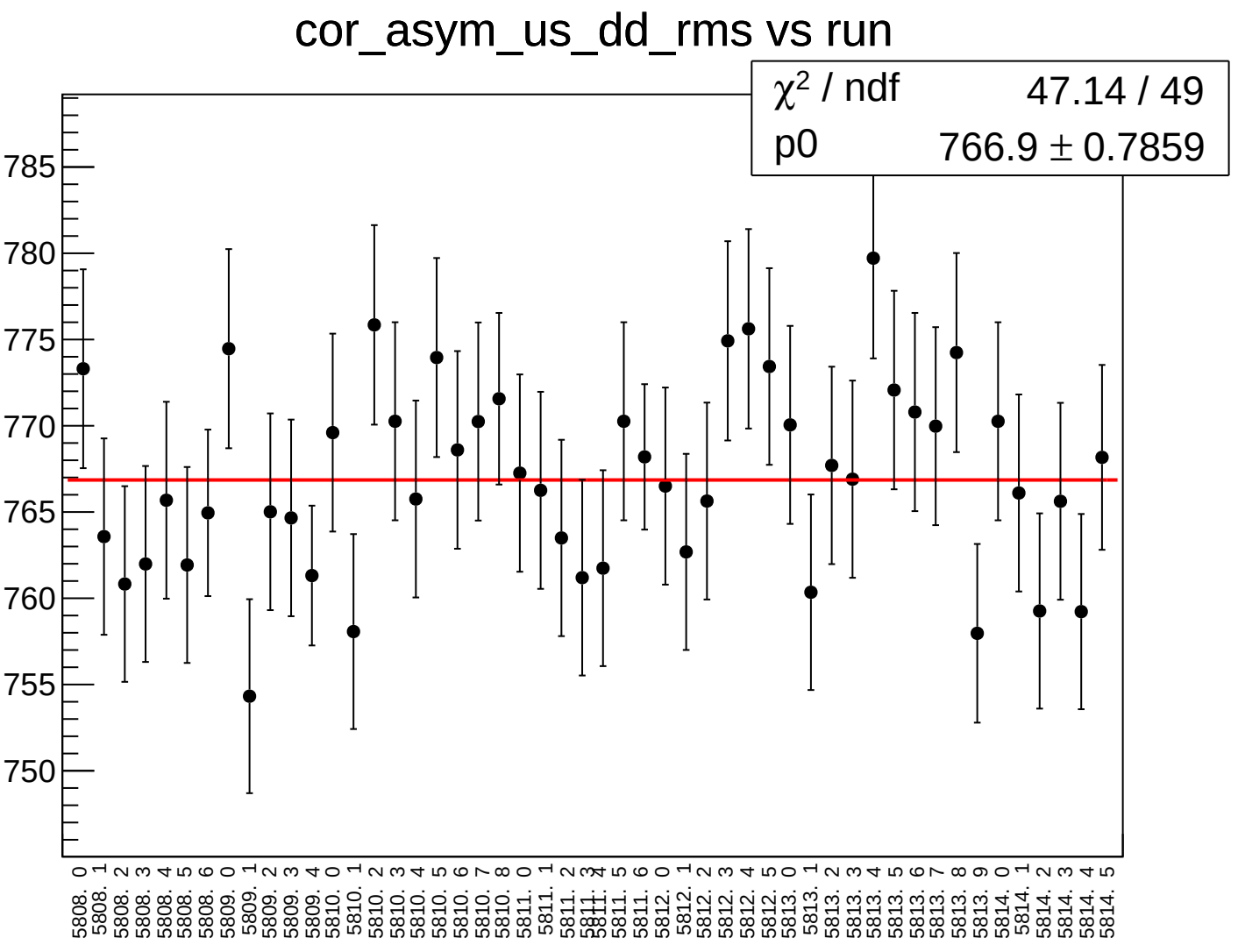

asym_us_dd_reg_correction_mean vs run
χ² / ndf 57.15 / 49
p0 −1554 ± 775.3
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −204.8
Std Dev 0
2
1
0
−1
−2
−3

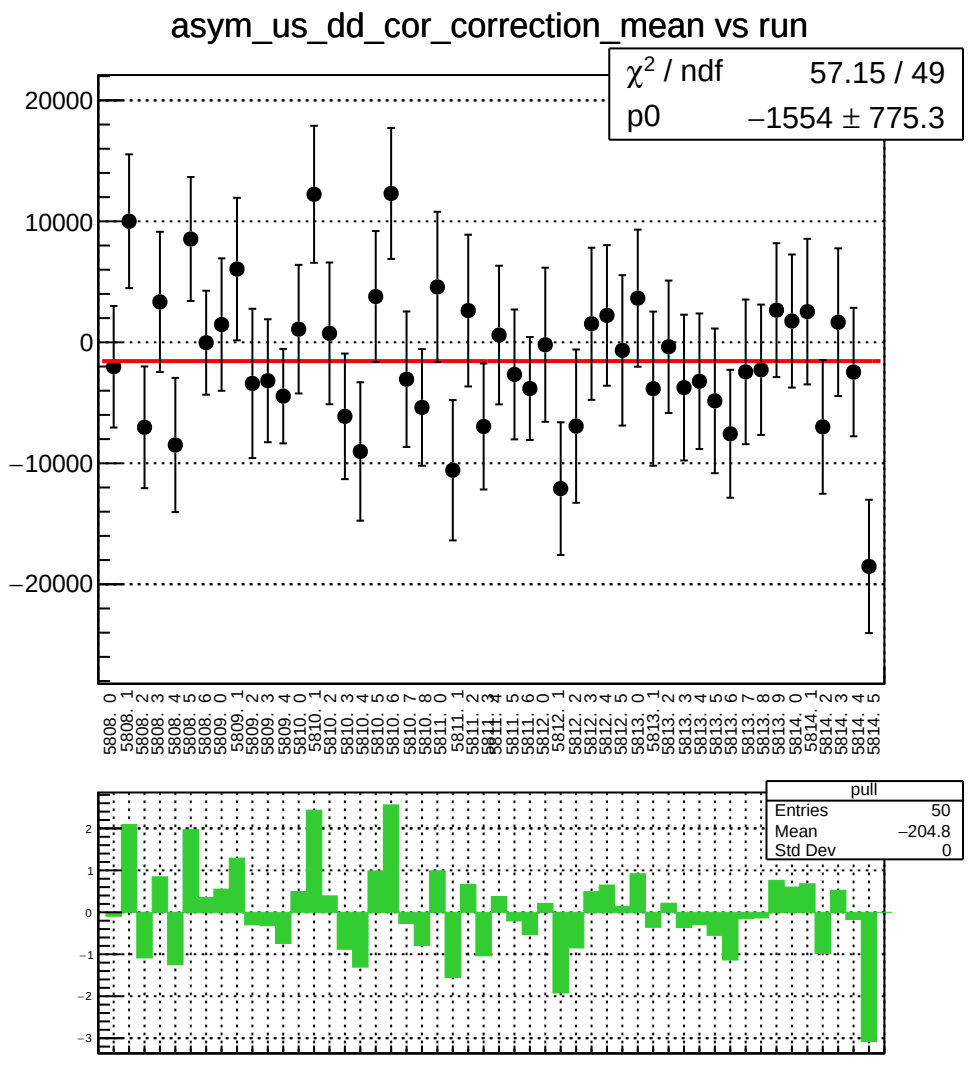

pull1D
Entries 50
Mean 0.01695
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

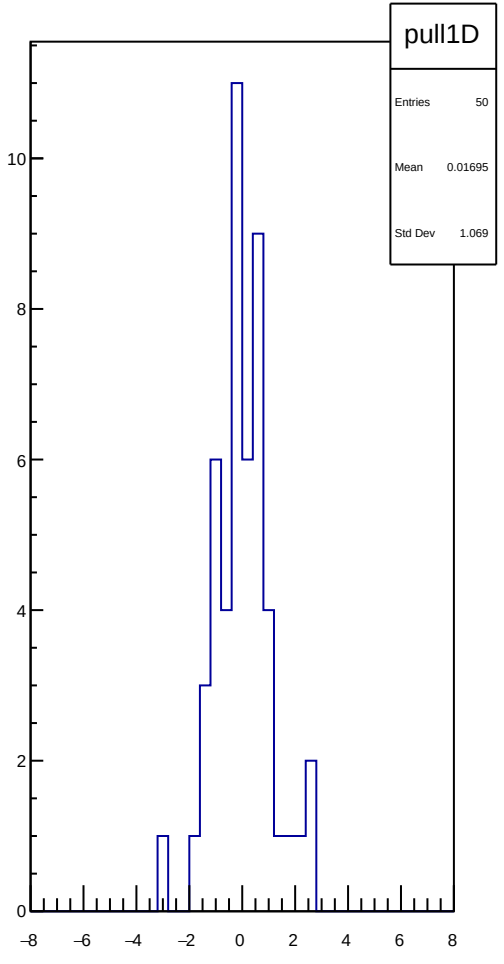

asym_us_dd_reg_correction_rms vs run
χ² / ndf 4153 / 49
p0 533.7 ± 0.5482
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

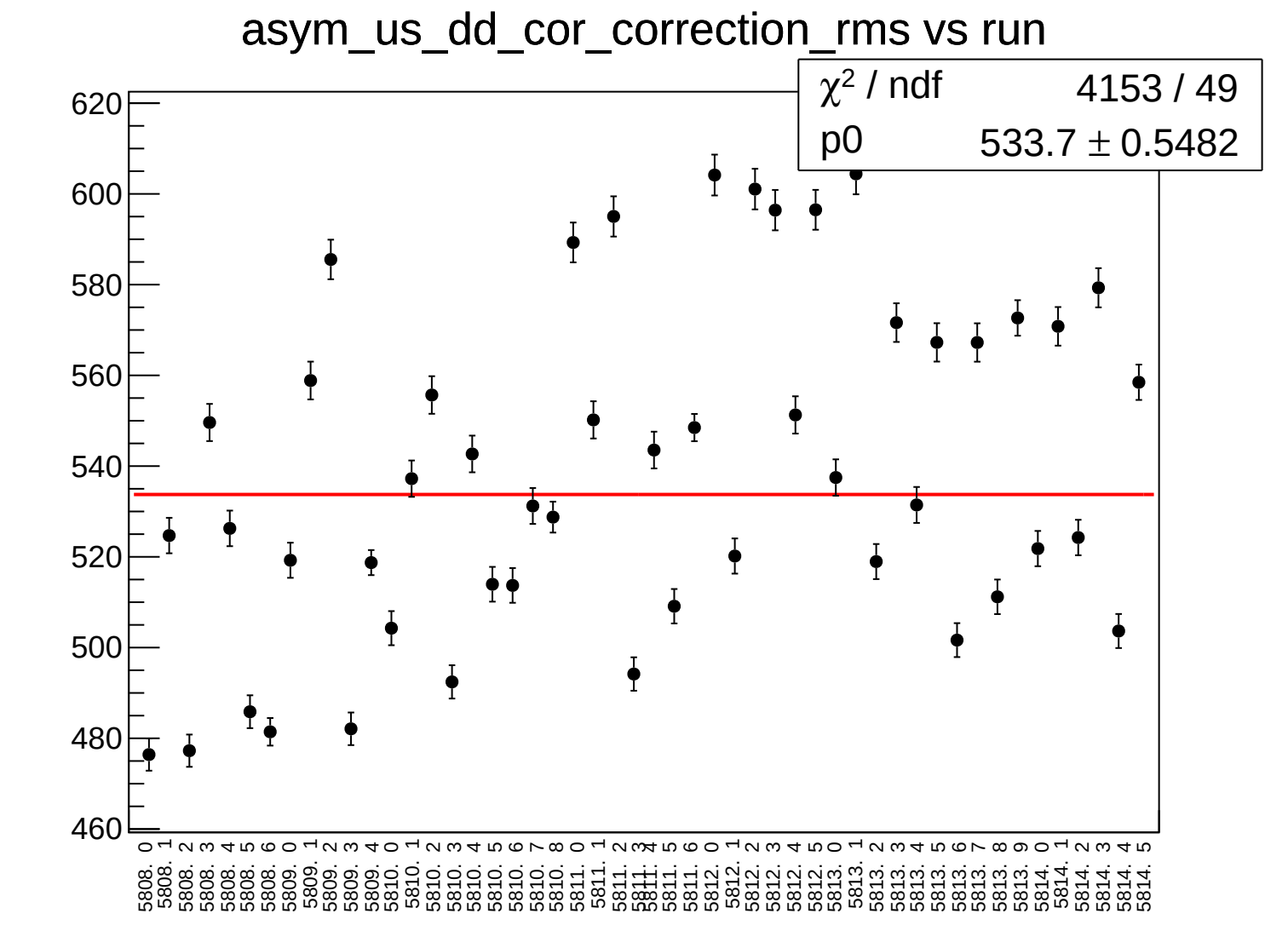

cor_asym_us_dd_mean vs run
χ² / ndf 36.38 / 49
p0 −681.3 ± 1111
pull
Entries 50
Mean −372.6
Std Dev 0


pull1D
Entries 50
Mean 0.00989
Std Dev 0.853


cor_asym_us_dd_rms vs run
χ² / ndf 47.14 / 49
p0 766.9 ± 0.7859
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_cor_correction_mean vs run
χ² / ndf 57.15 / 49
p0 −1554 ± 775.3
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −204.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01695
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_cor_correction_rms vs run
χ² / ndf 4153 / 49
p0 533.7 ± 0.5482
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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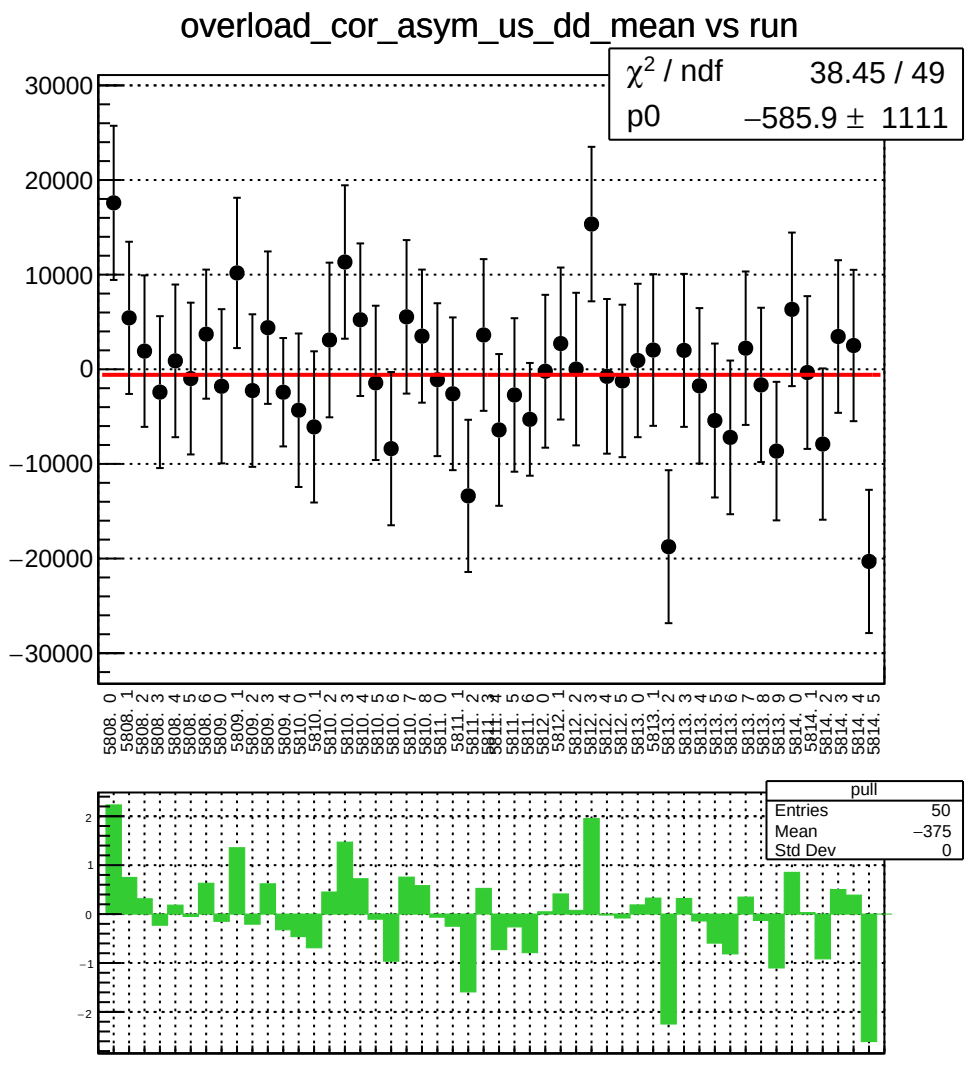
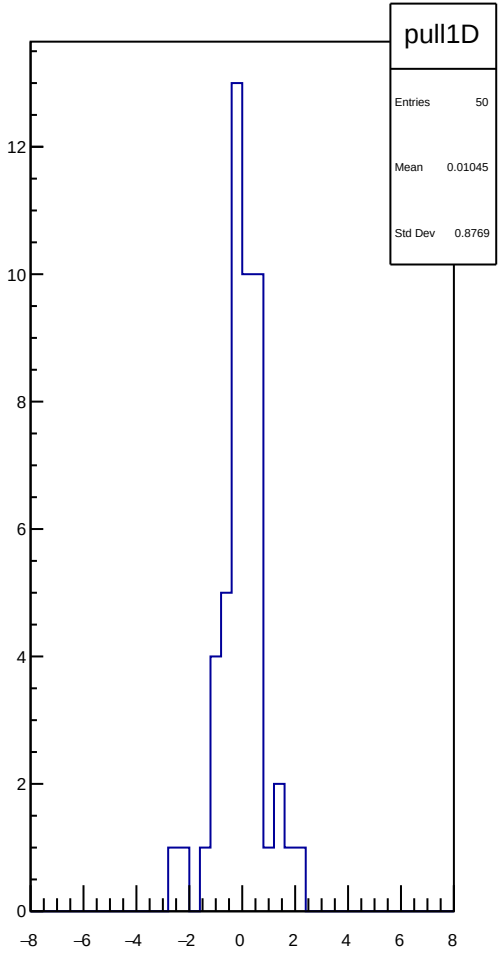
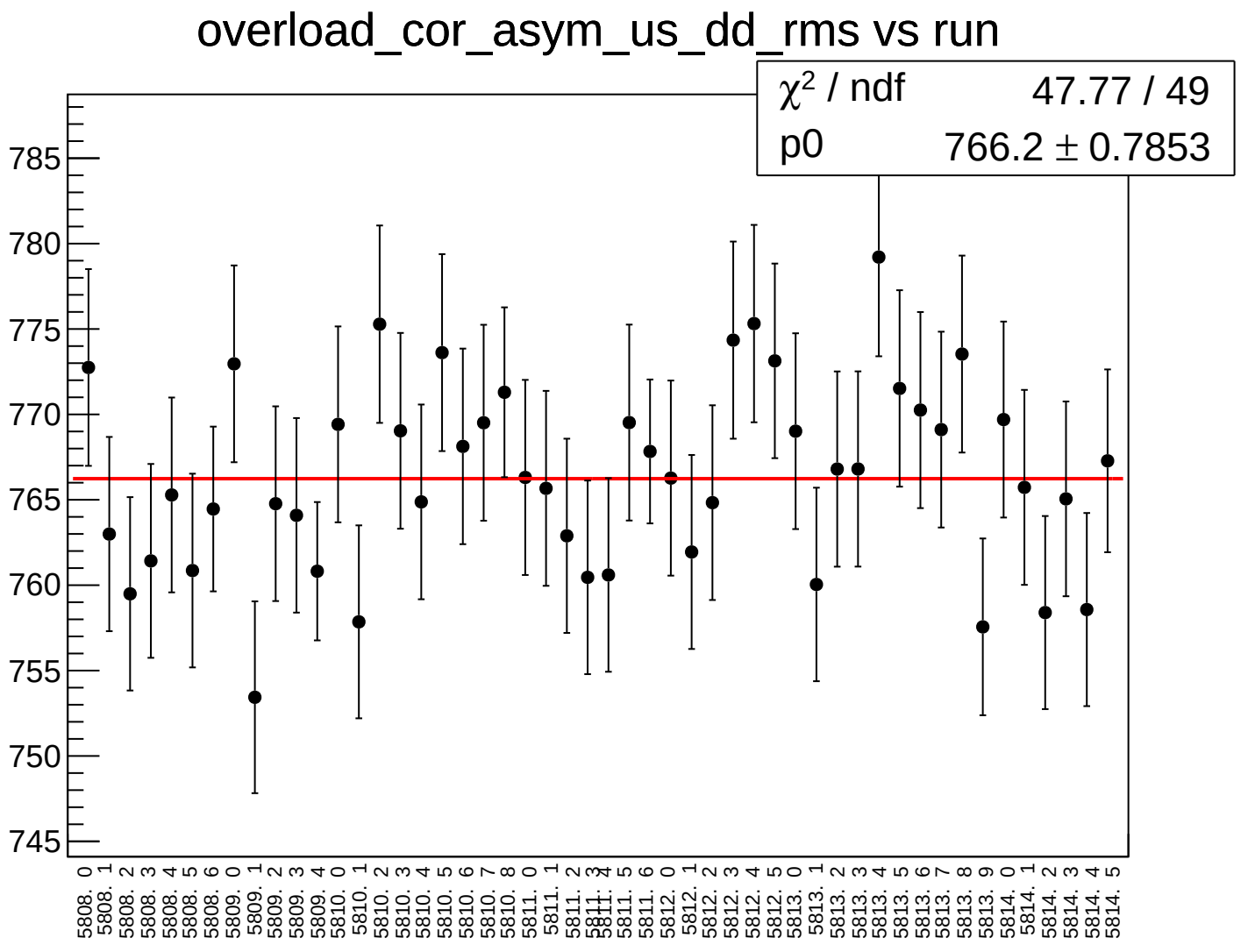
5814. 2
5814. 3
5814. 4
5814. 5


overload_cor_asym_us_dd_mean vs run
χ² / ndf 38.45 / 49
p0 −585.9 ± 1111
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −375
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01045
Std Dev 0.8769
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_dd_rms vs run
χ² / ndf 47.77 / 49
p0 766.2 ± 0.7853
785
780
775
770
765
760
755
750
745
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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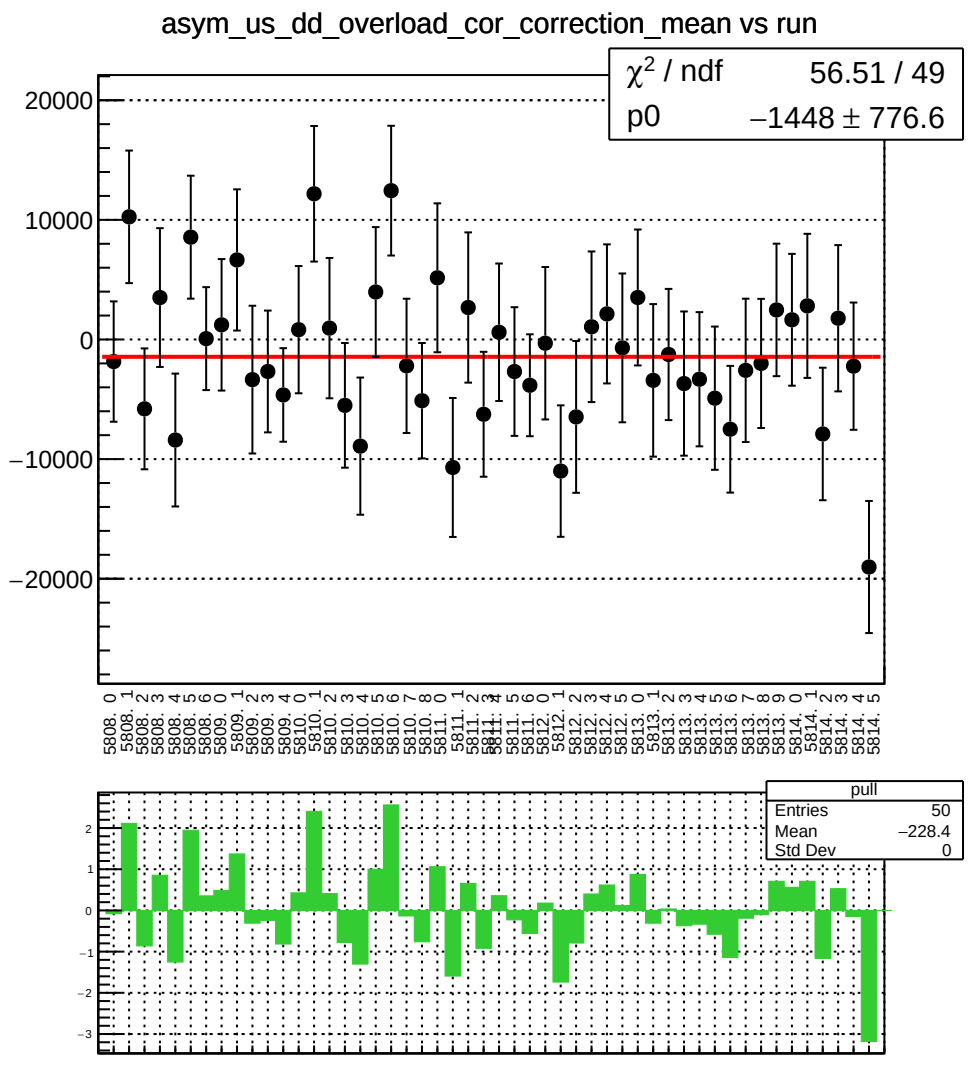
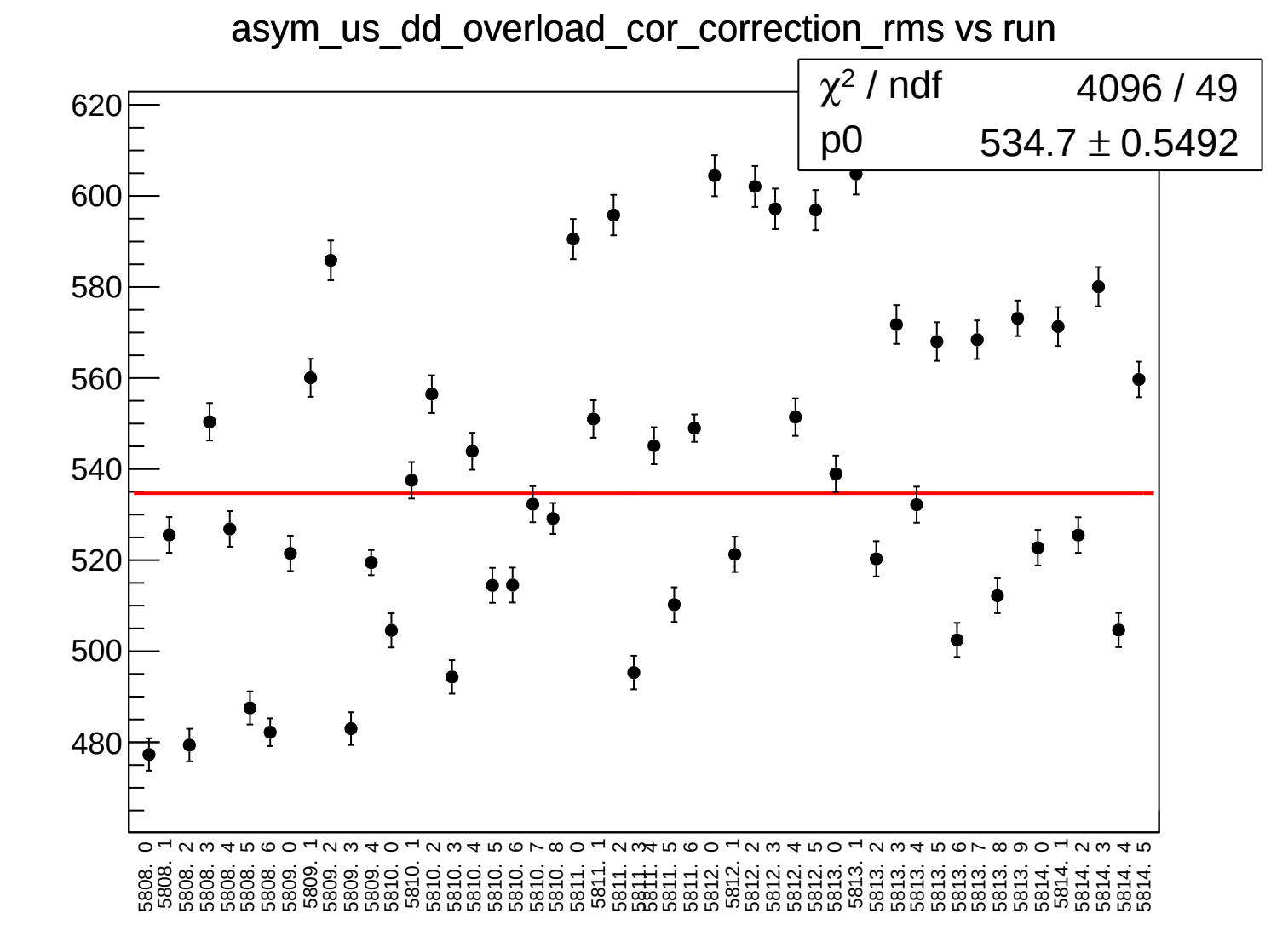
5814. 4
5814. 5


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 56.51 / 49
p0 −1448 ± 776.6
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −228.4
Std Dev 0
pull1D
Entries 50
Mean 0.01674
Std Dev 1.063


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 4096 / 49
p0 534.7 ± 0.5492
620
600
580
560
540
520
500
480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 7
5813. 8
5813. 9
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5814. 2
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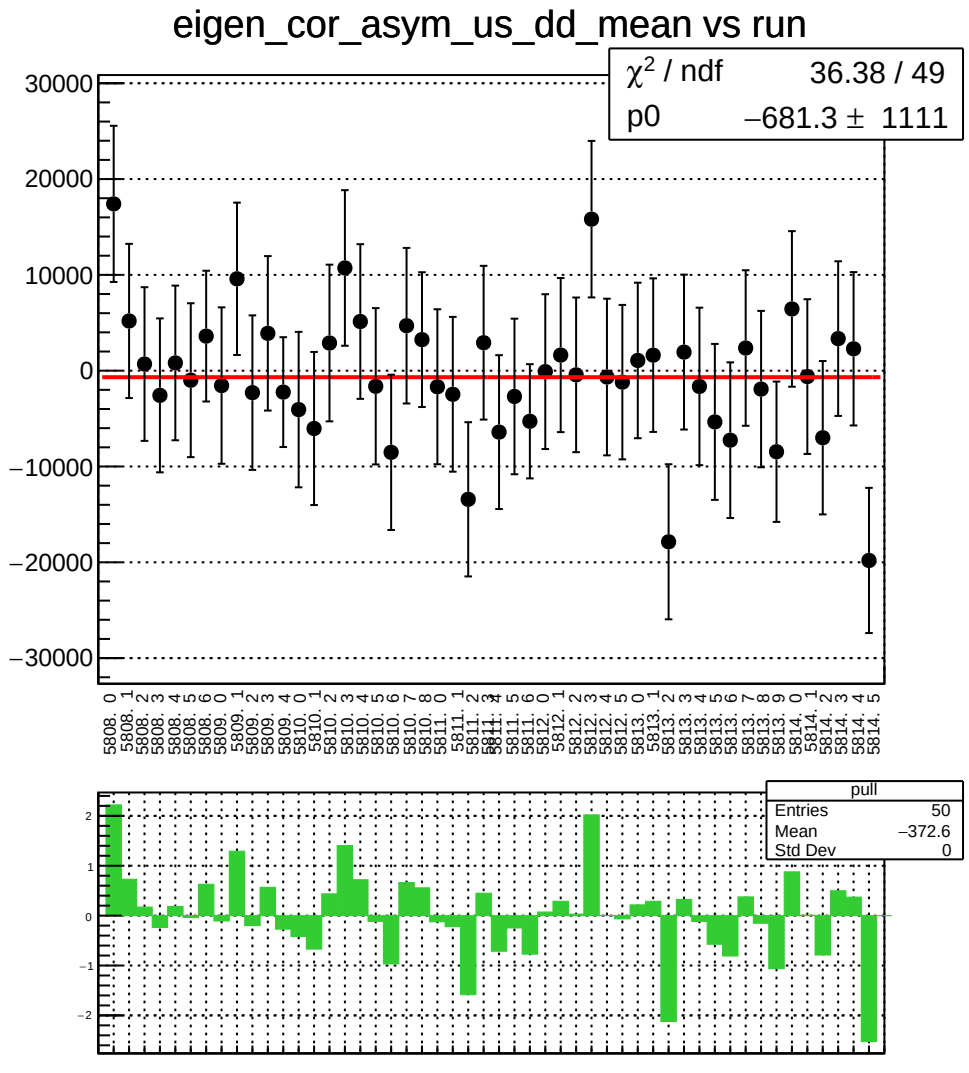
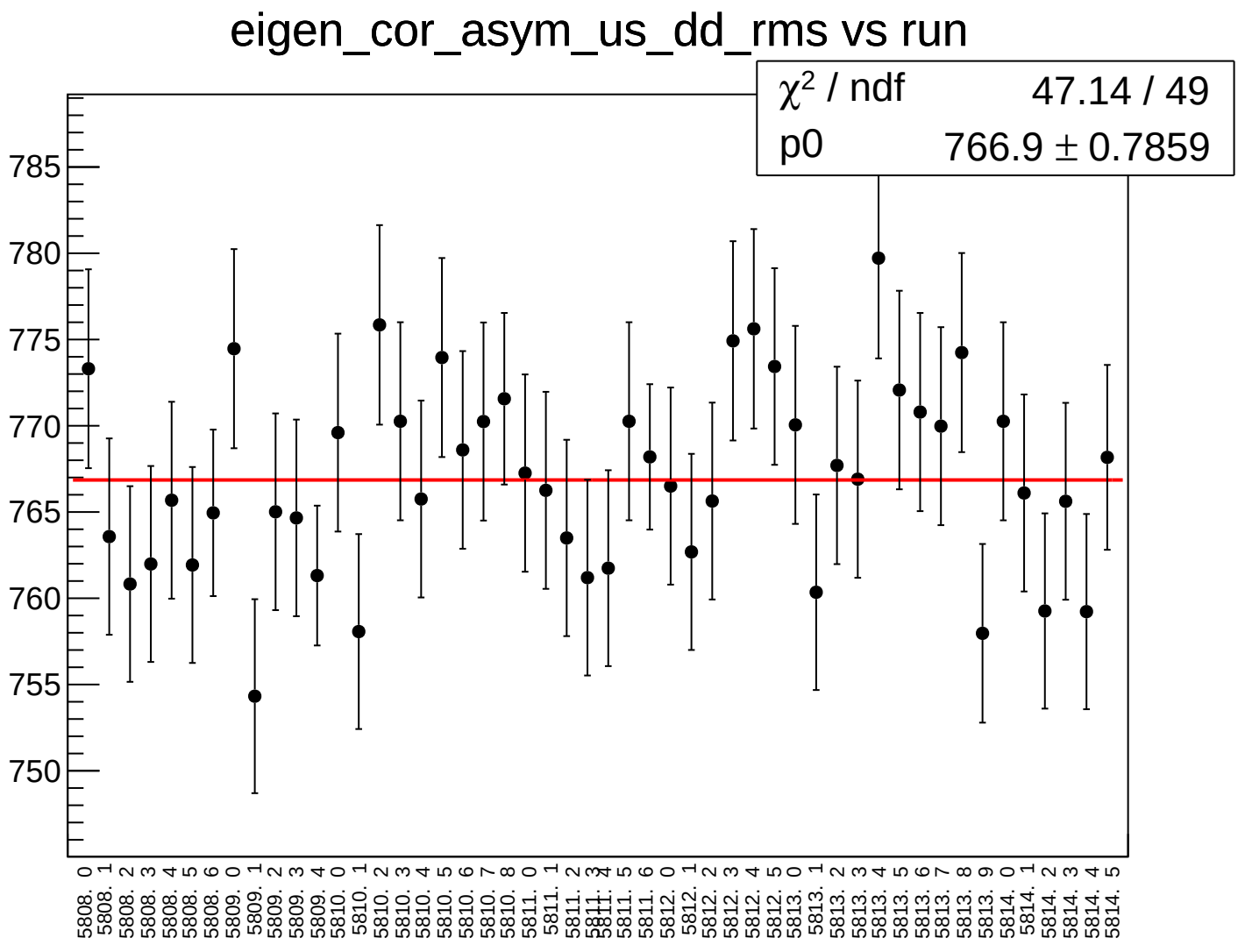
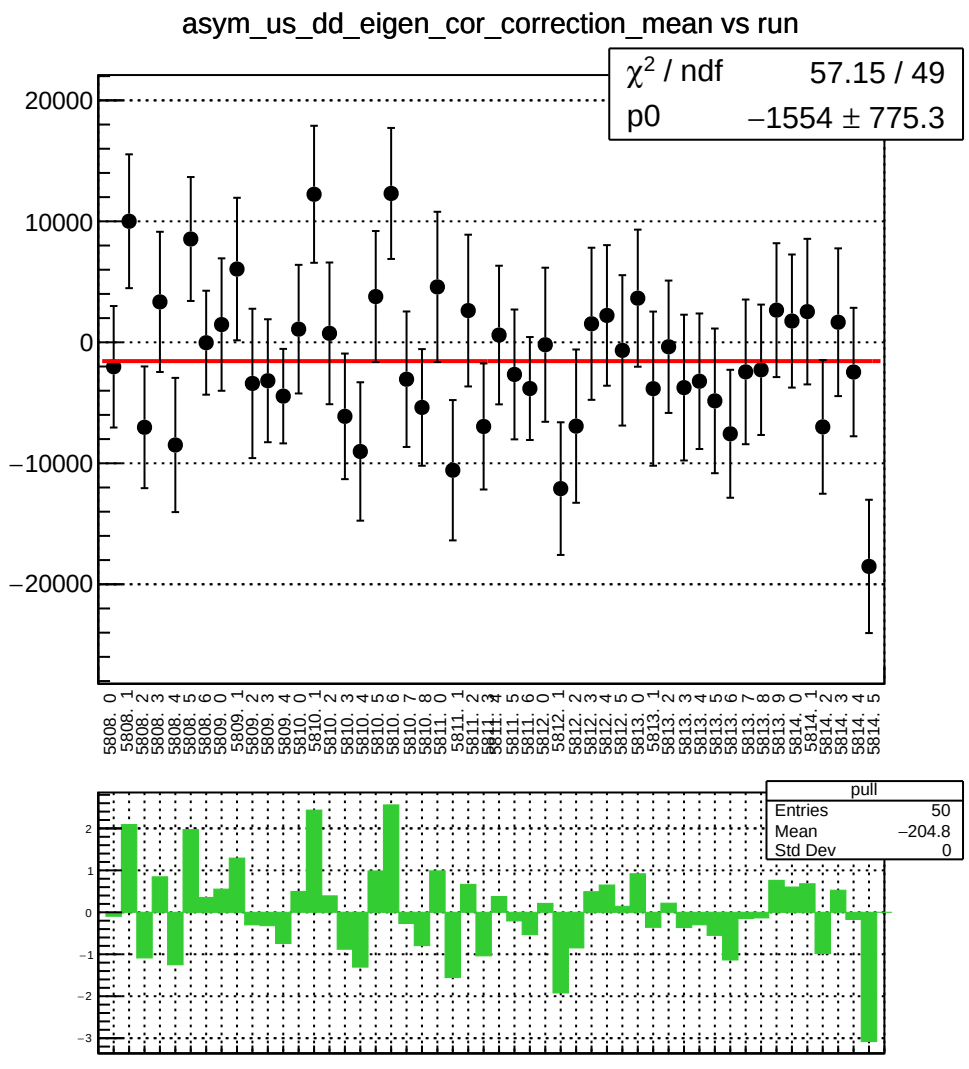
5814. 4
5814. 5


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 36.38 / 49
p0 −681.3 ± 1111
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −372.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.00989
Std Dev 0.853
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ² / ndf 47.14 / 49
p0 766.9 ± 0.7859
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 57.15 / 49
p0 −1554 ± 775.3
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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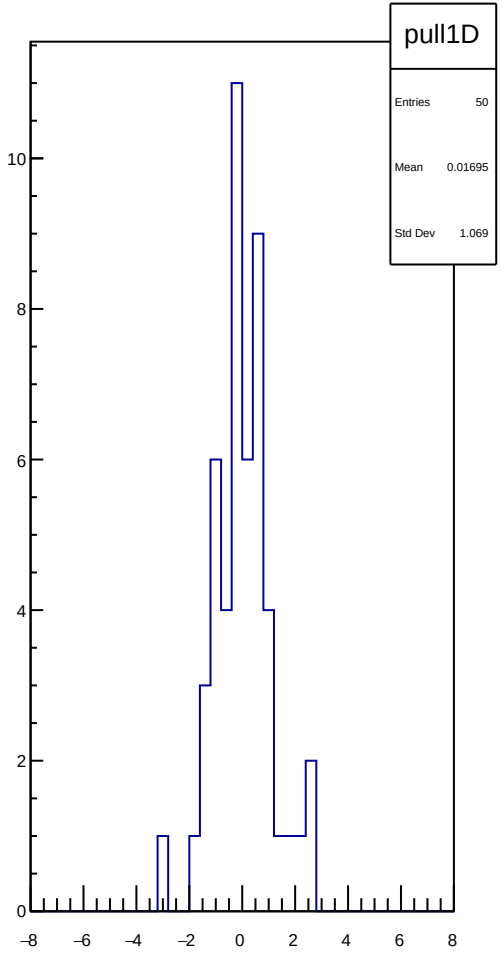
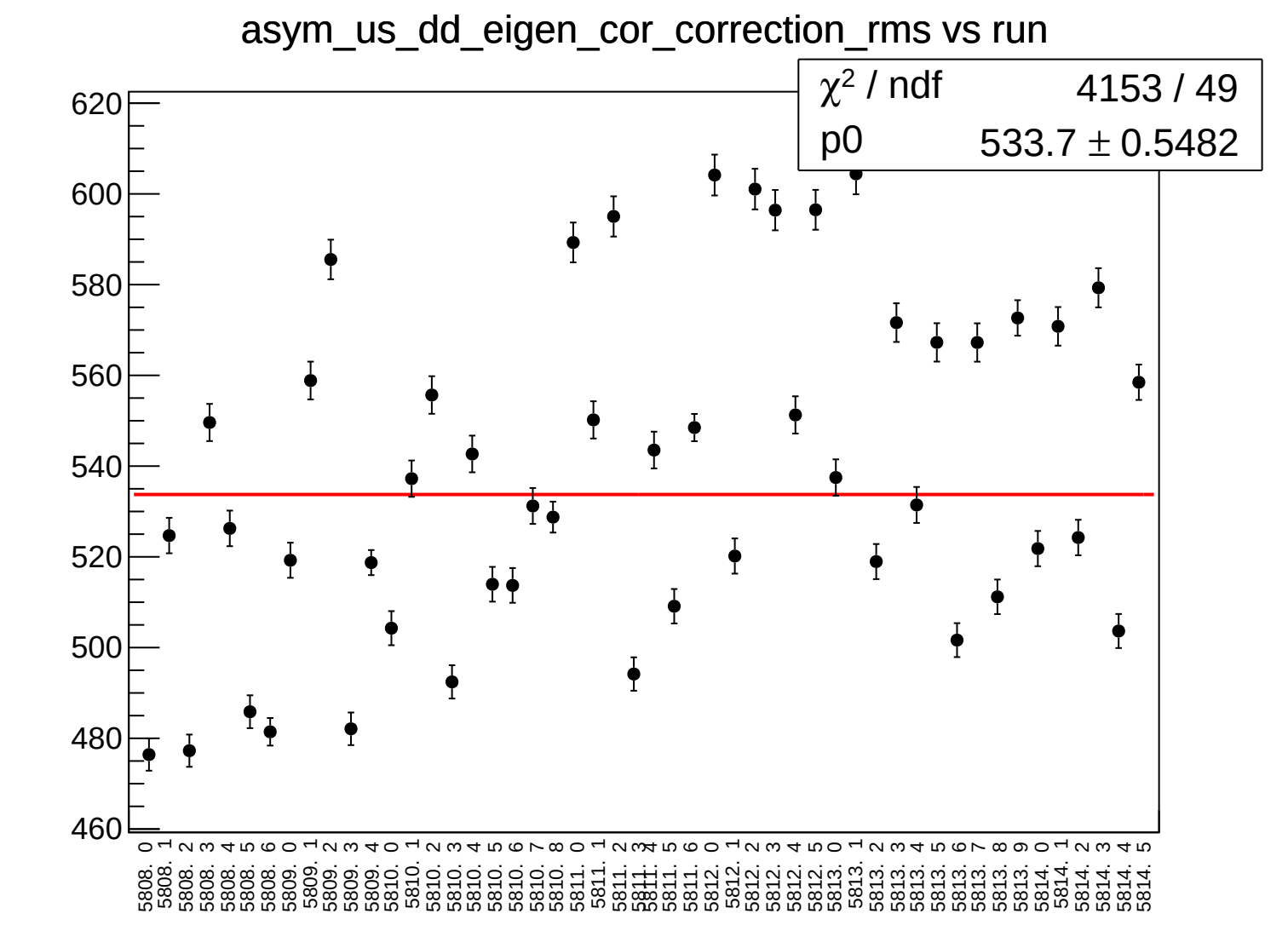
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −204.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01695
Std Dev 1.069
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 4153 / 49
p0 533.7 ± 0.5482
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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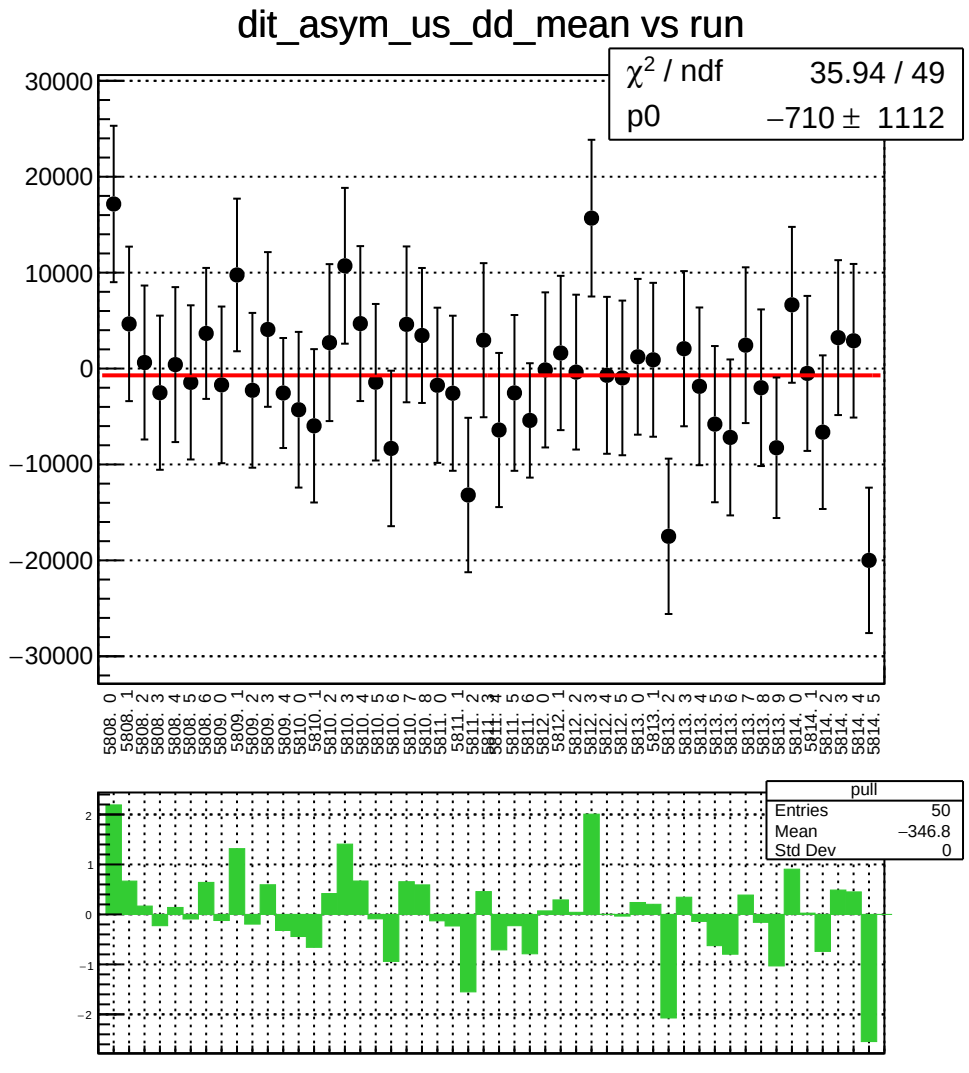
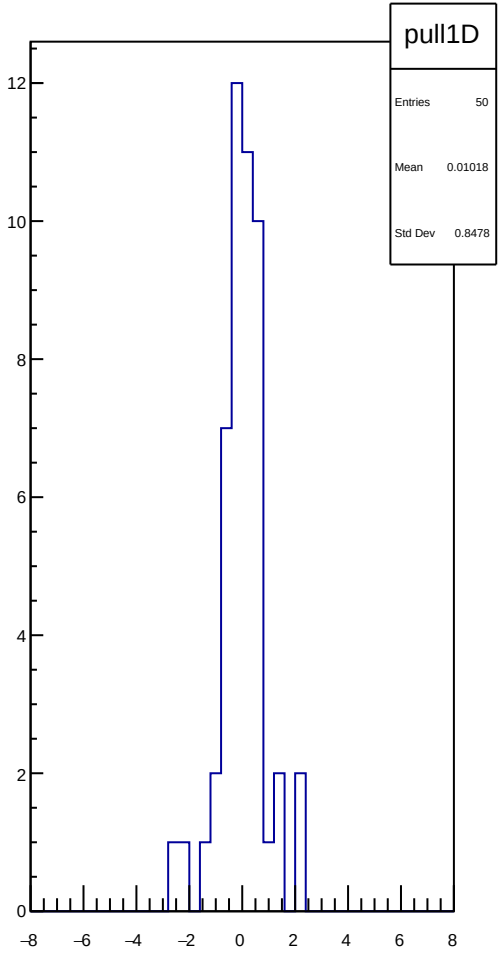
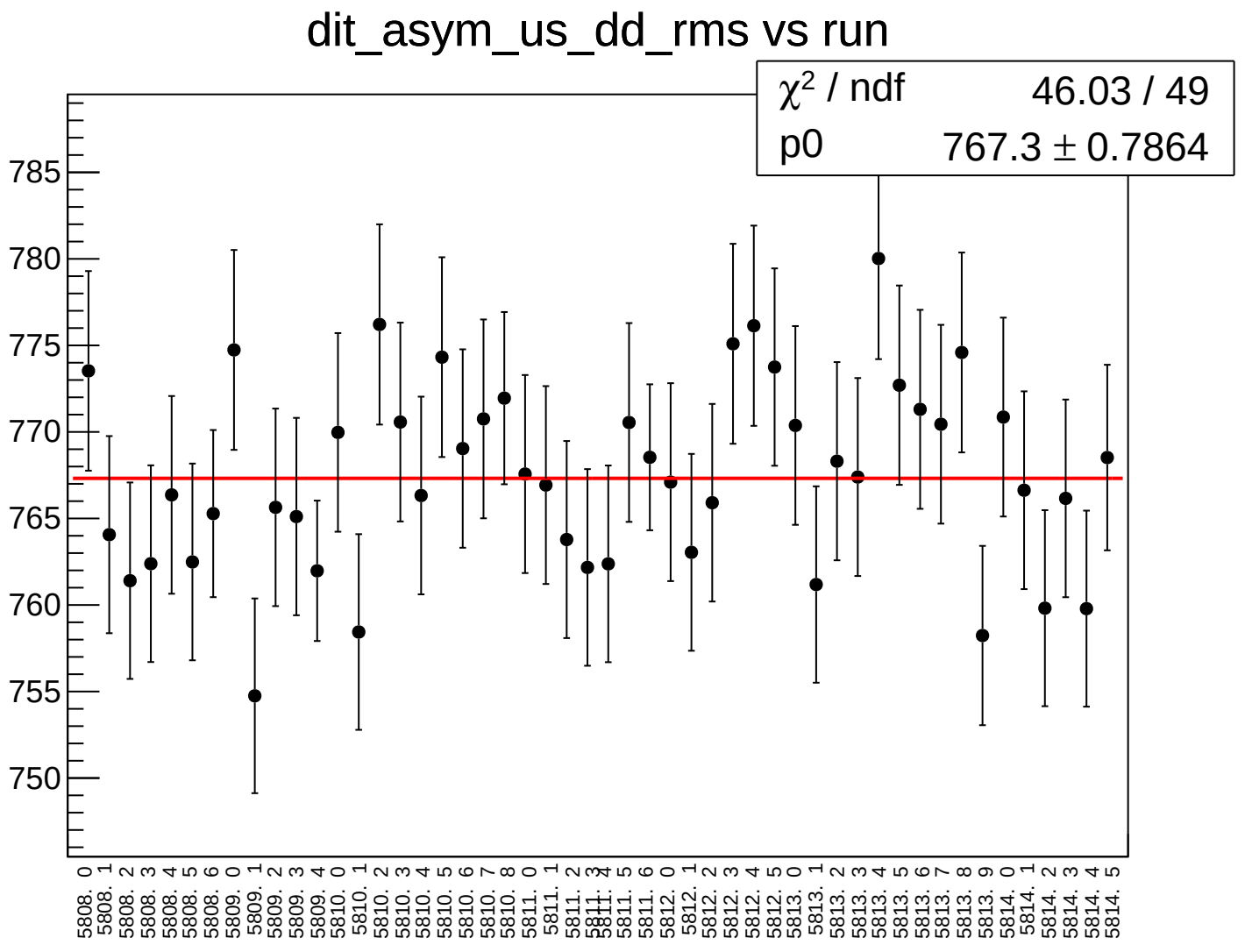
5814. 5


dit_asym_us_dd_mean vs run
χ² / ndf 35.94 / 49
p0 −710 ± 1112
pull
Entries 50
Mean −346.8
Std Dev 0


pull1D
Entries 50
Mean 0.01018
Std Dev 0.8478


dit_asym_us_dd_rms vs run
χ² / ndf 46.03 / 49
p0 767.3 ± 0.7864
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5813. 2
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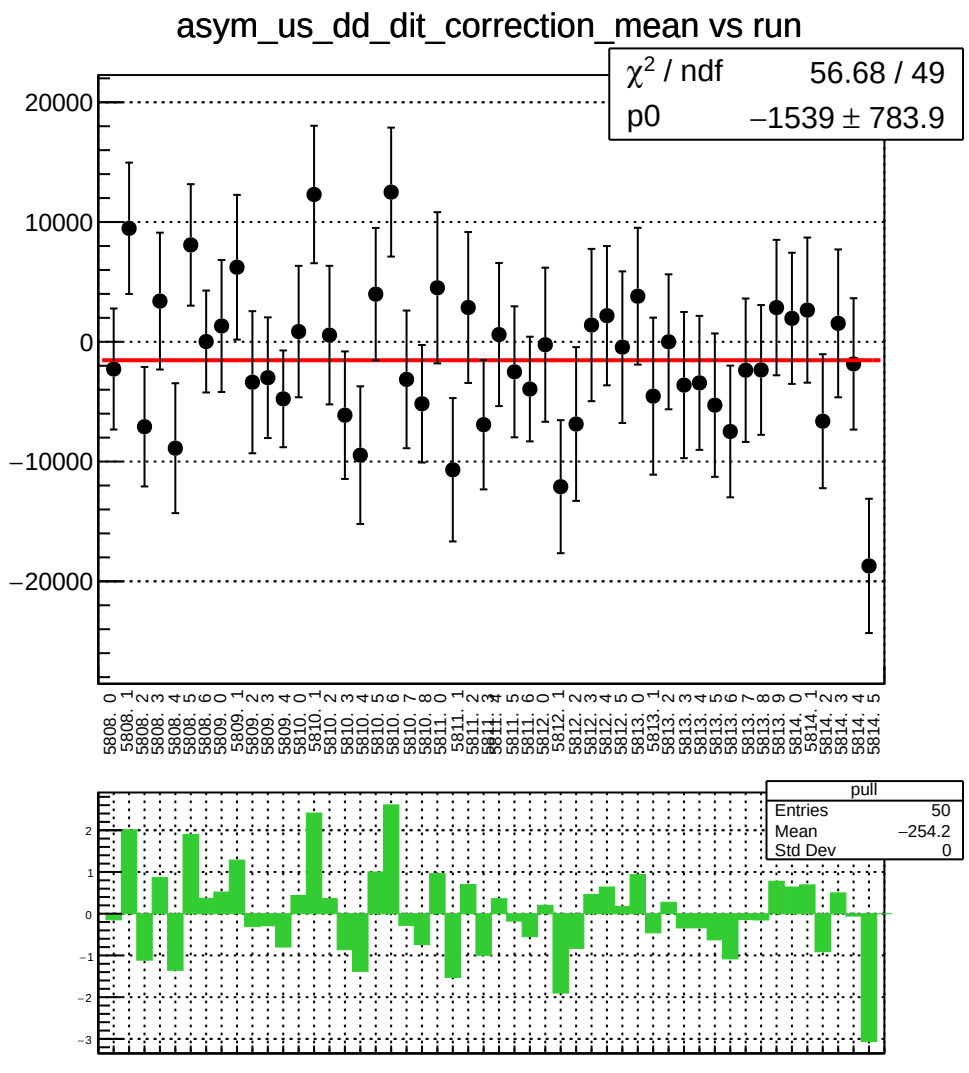
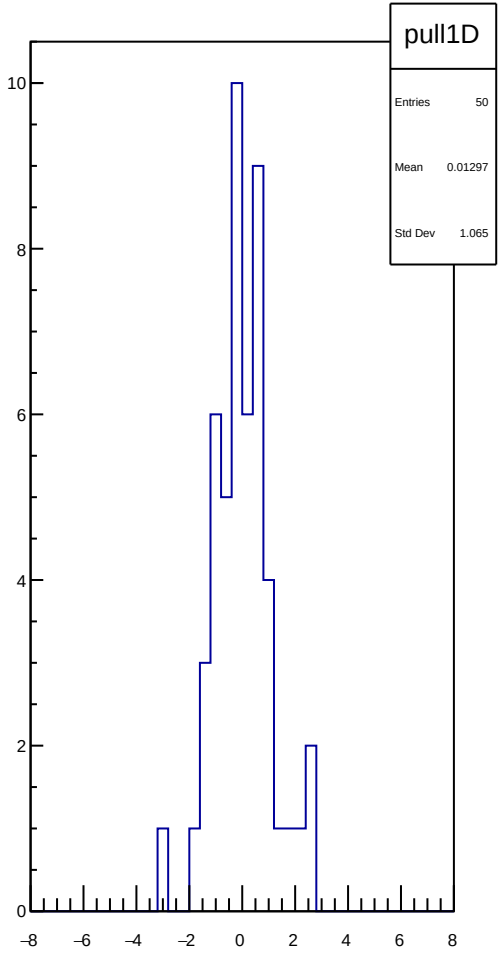
5814. 5


asym_us_dd_dit_correction_mean vs run
χ² / ndf 56.68 / 49
p0 −1539 ± 783.9
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −254.2
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01297
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
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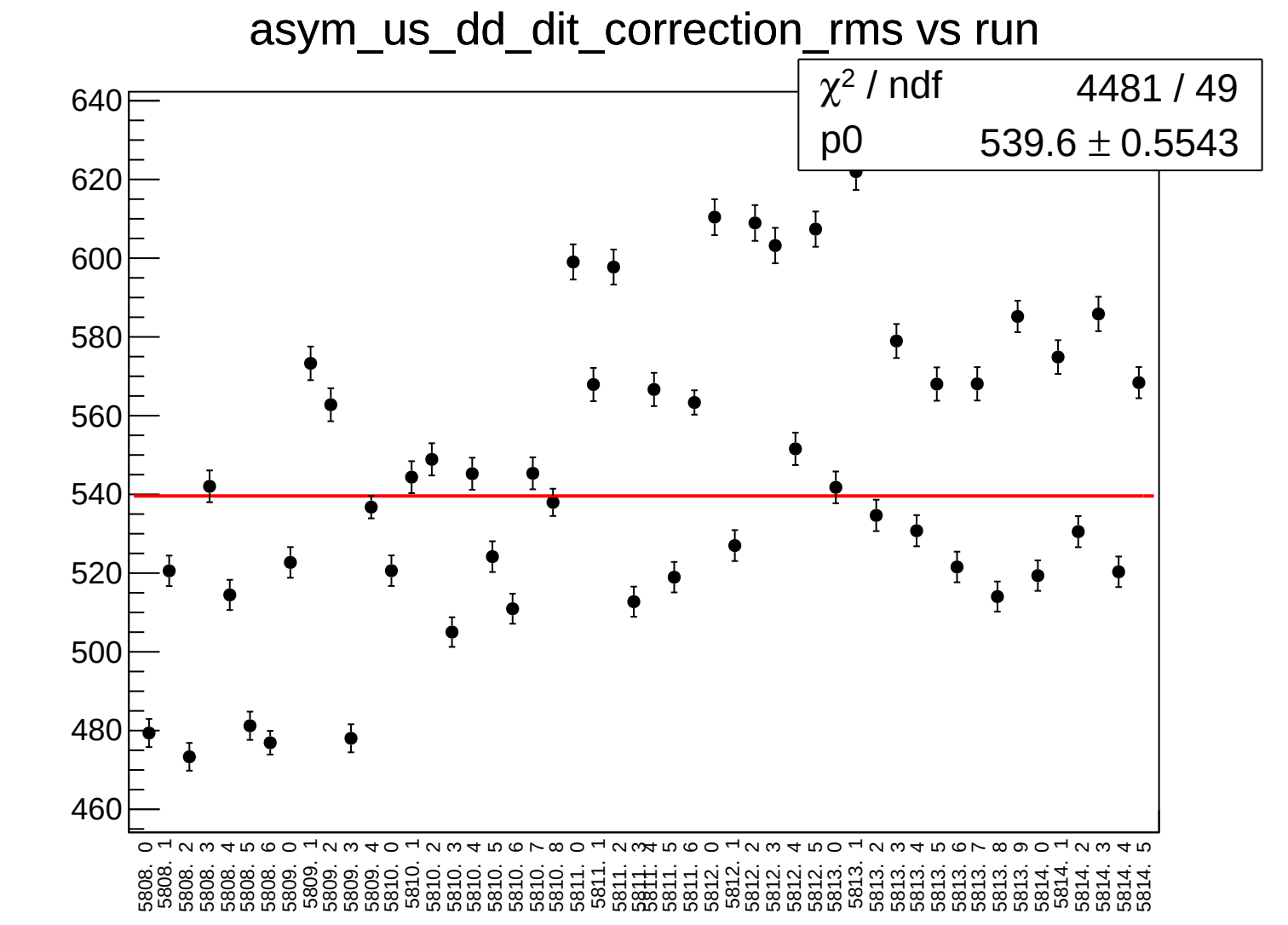
2
4
6
8


asym_us_dd_dit_correction_rms vs run
χ² / ndf 4481 / 49
p0 539.6 ± 0.5543
640
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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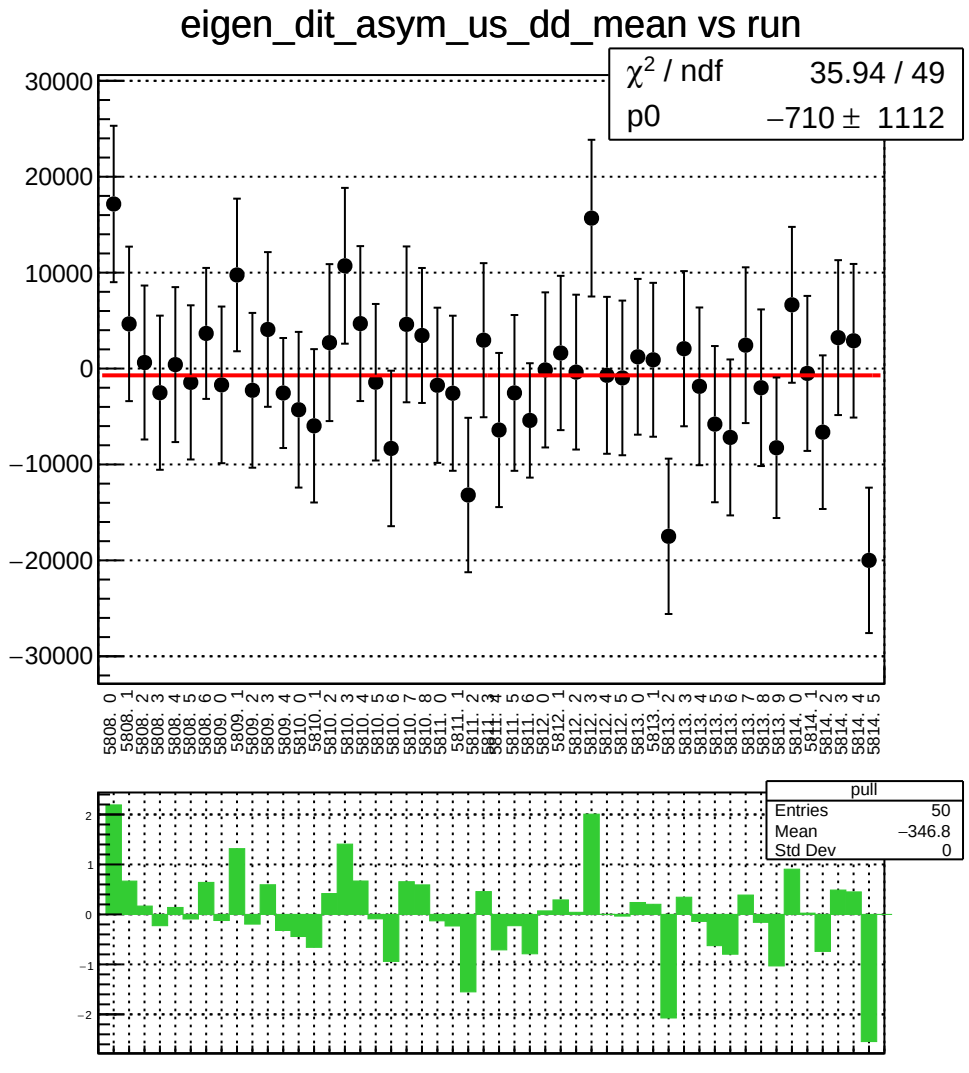
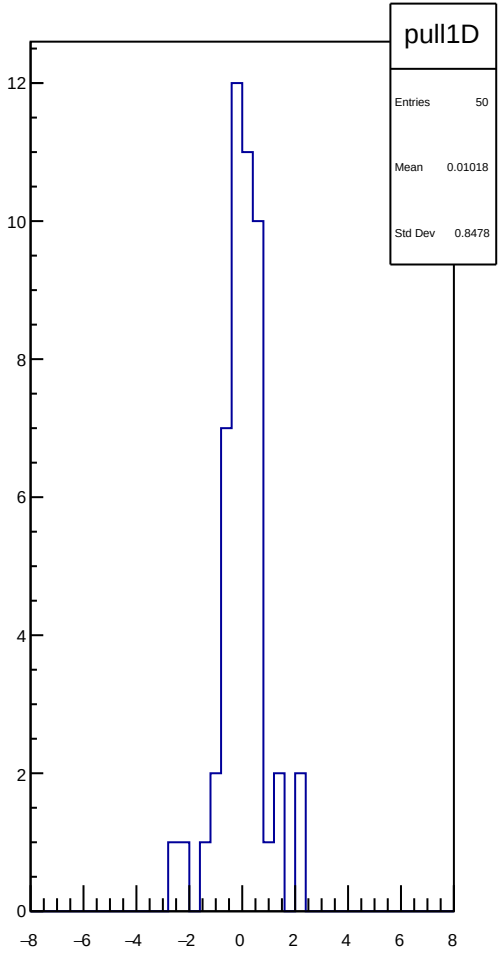
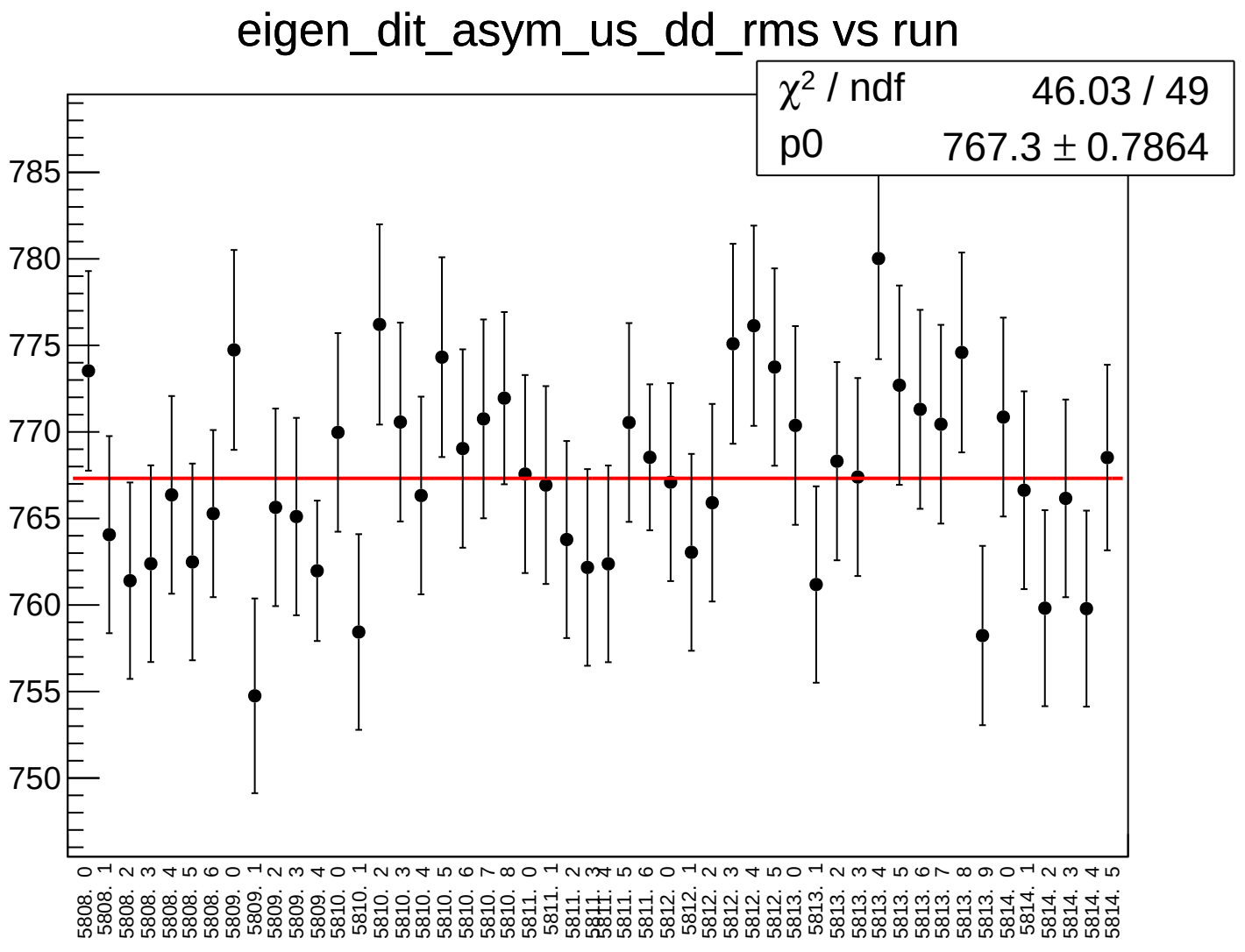
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_us_dd_mean vs run
χ² / ndf 35.94 / 49
p0 −710 ± 1112
pull
Entries 50
Mean −346.8
Std Dev 0


pull1D
Entries 50
Mean 0.01018
Std Dev 0.8478


eigen_dit_asym_us_dd_rms vs run
χ² / ndf 46.03 / 49
p0 767.3 ± 0.7864
785
780
775
770
765
760
755
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
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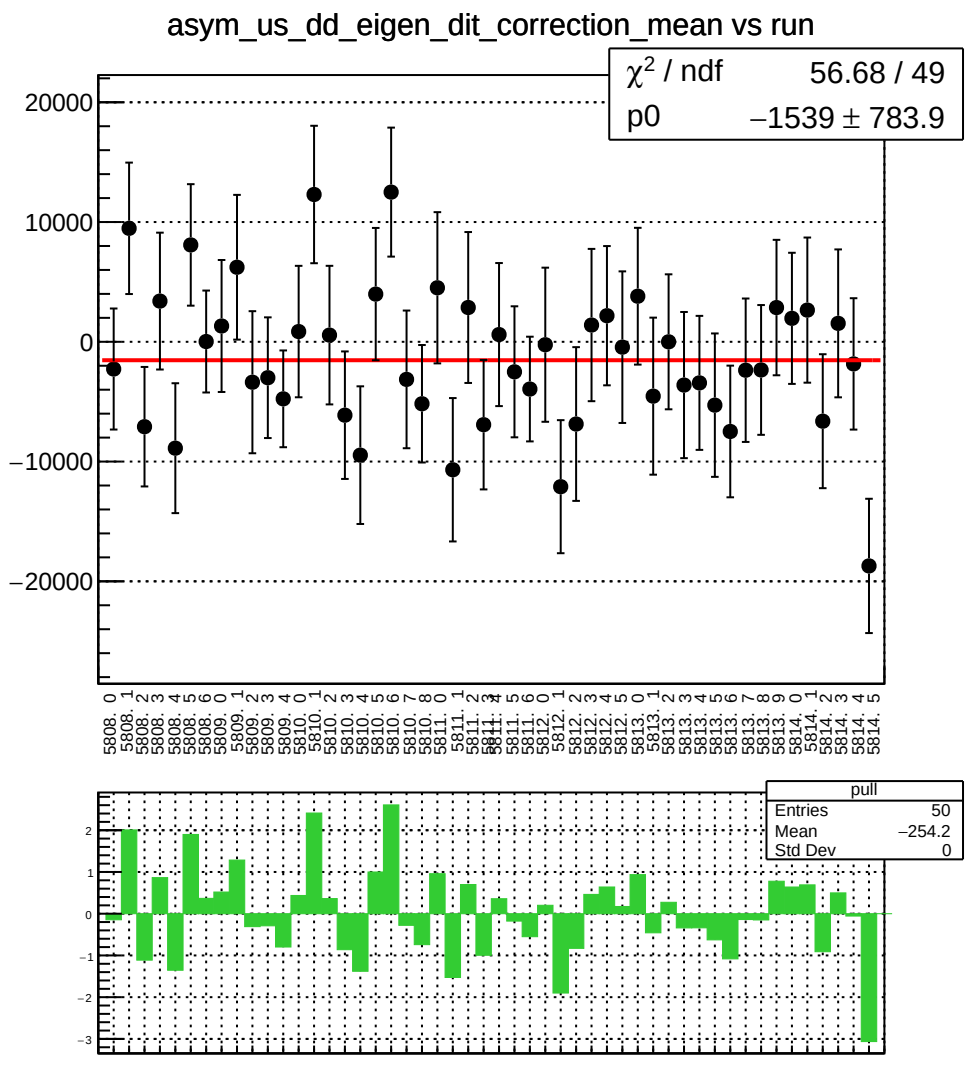
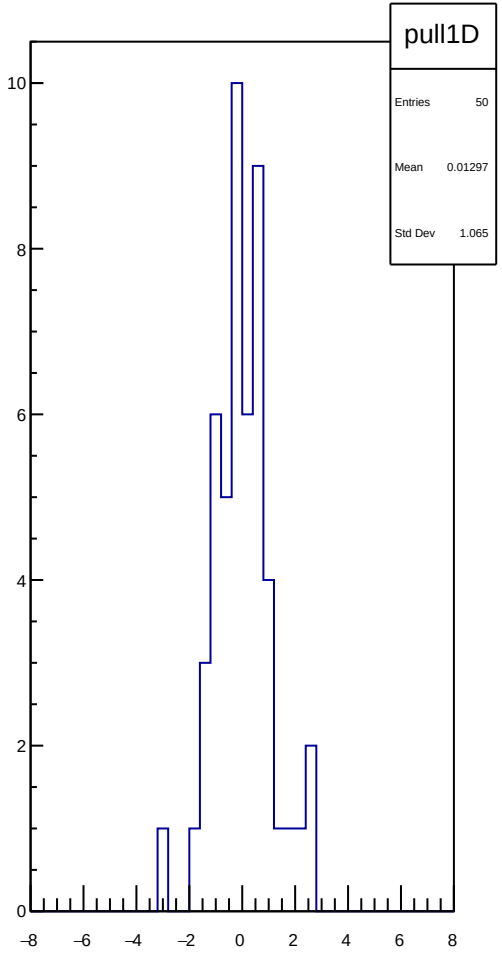
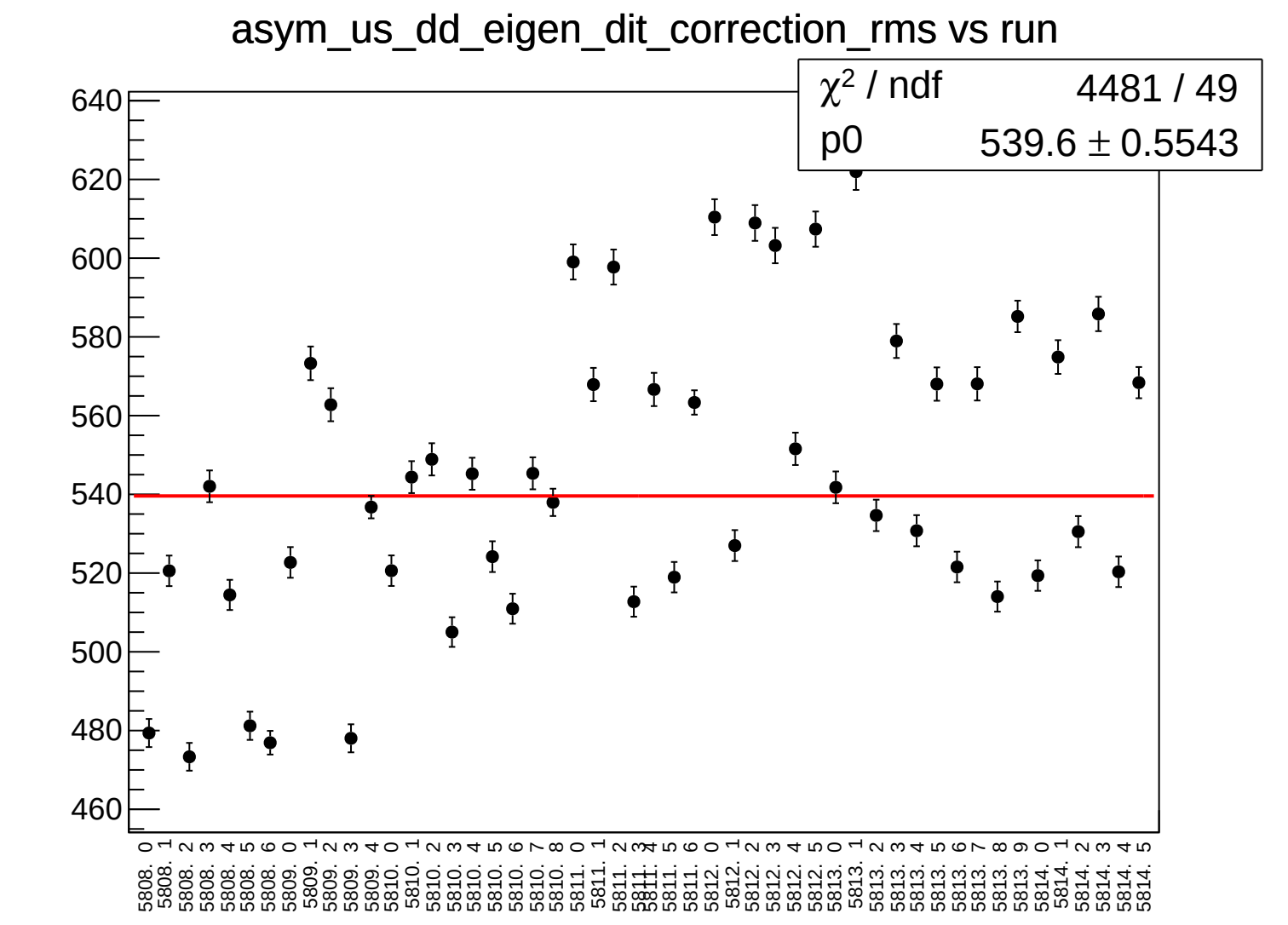
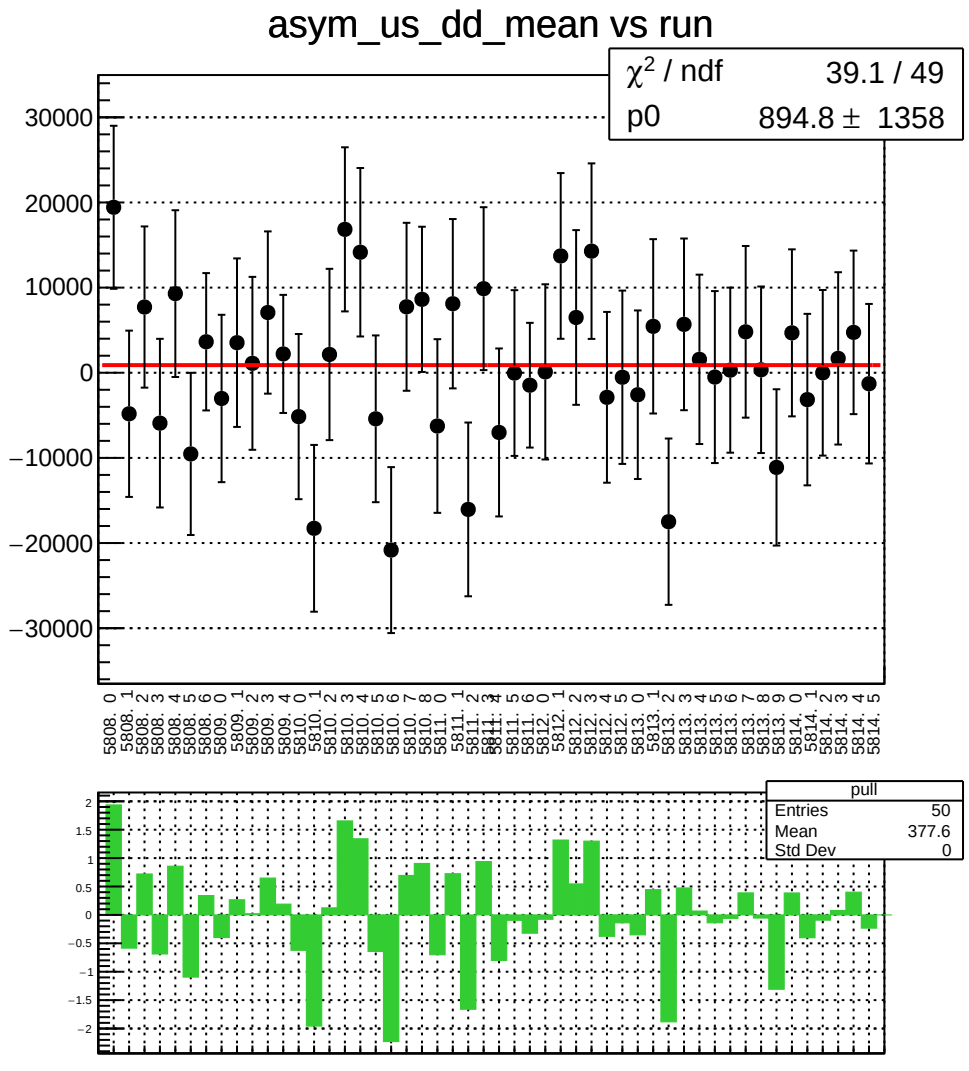
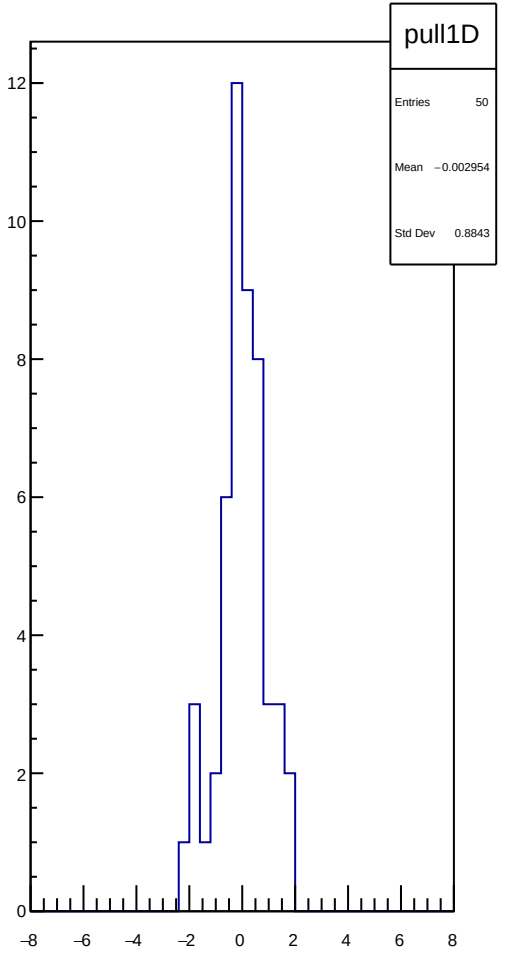
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

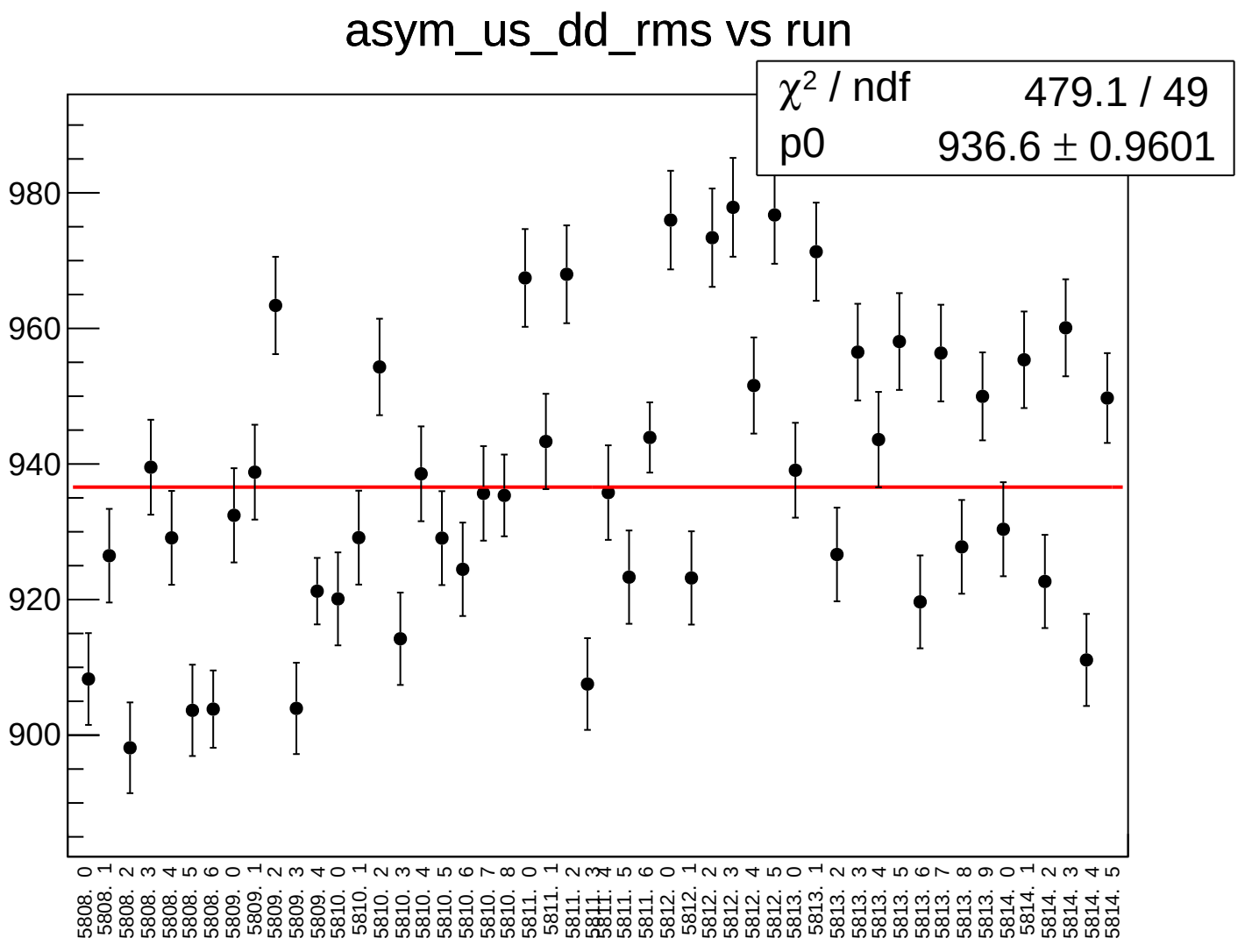

asym_us_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.68 / 49
p0 −1539 ± 783.9
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −254.2
Std Dev 0
2
1
0
−1
−2
−3

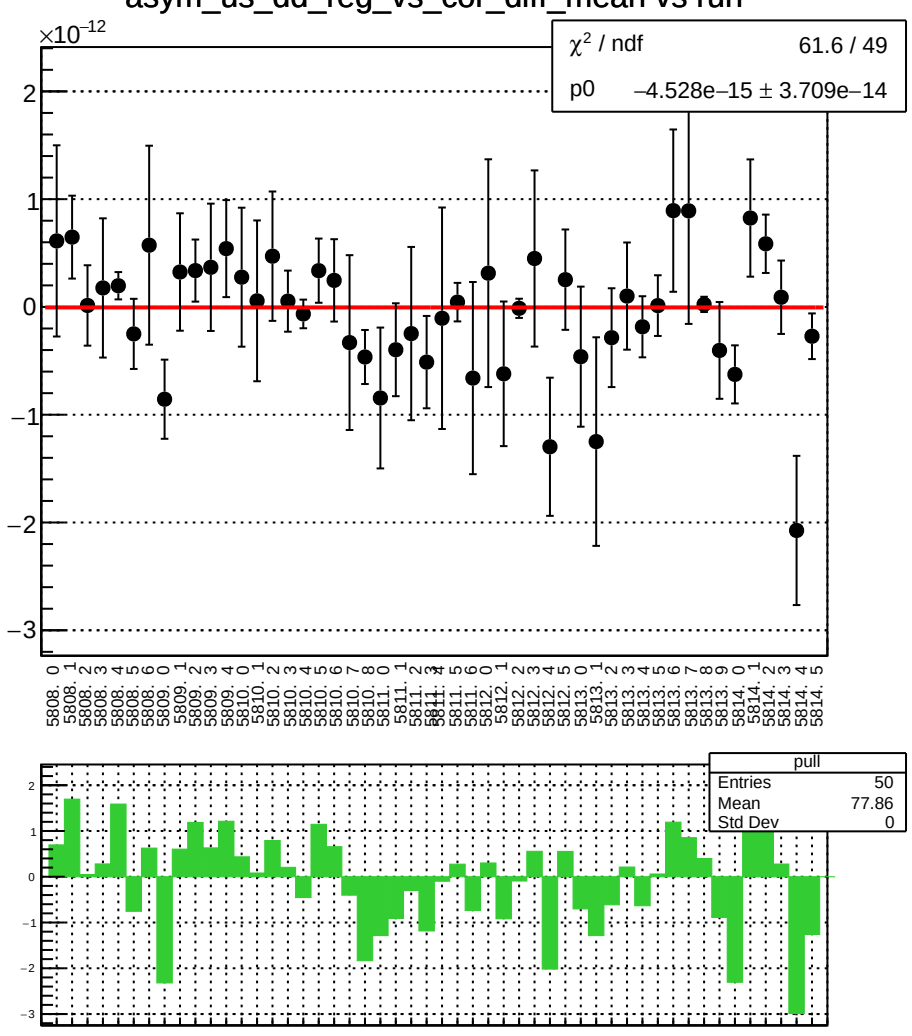

pull1D
Entries 50
Mean 0.01297
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

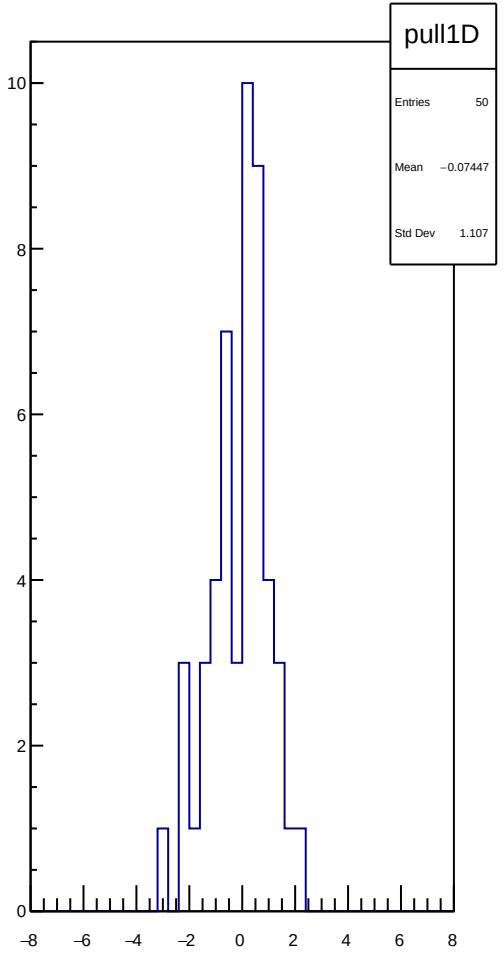

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4481 / 49
p0 539.6 ± 0.5543
640
620
600
580
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

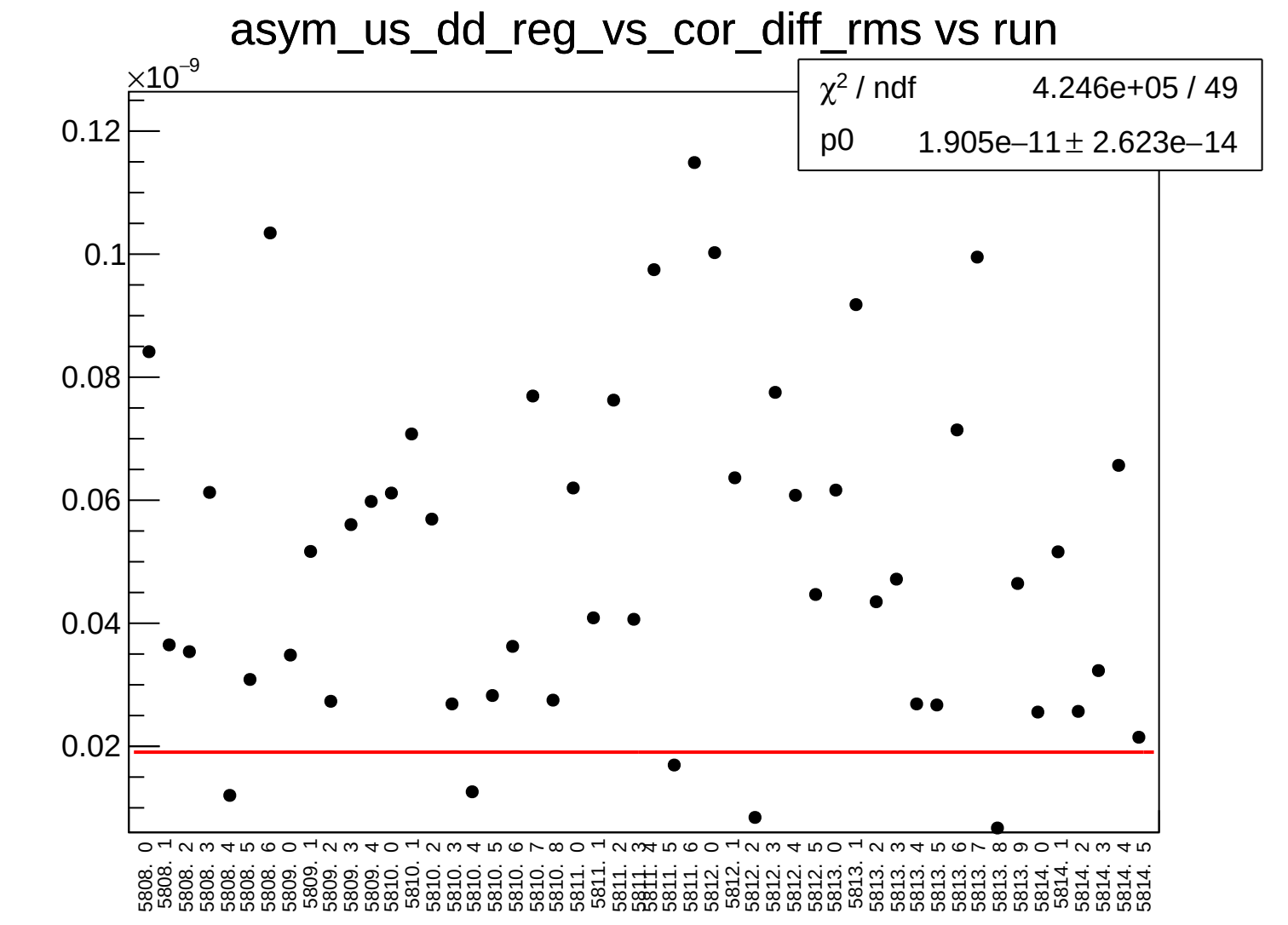

asym_us_dd_mean vs run
χ^2 / ndf 39.1 / 49
p0 894.8 ± 1358
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 377.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

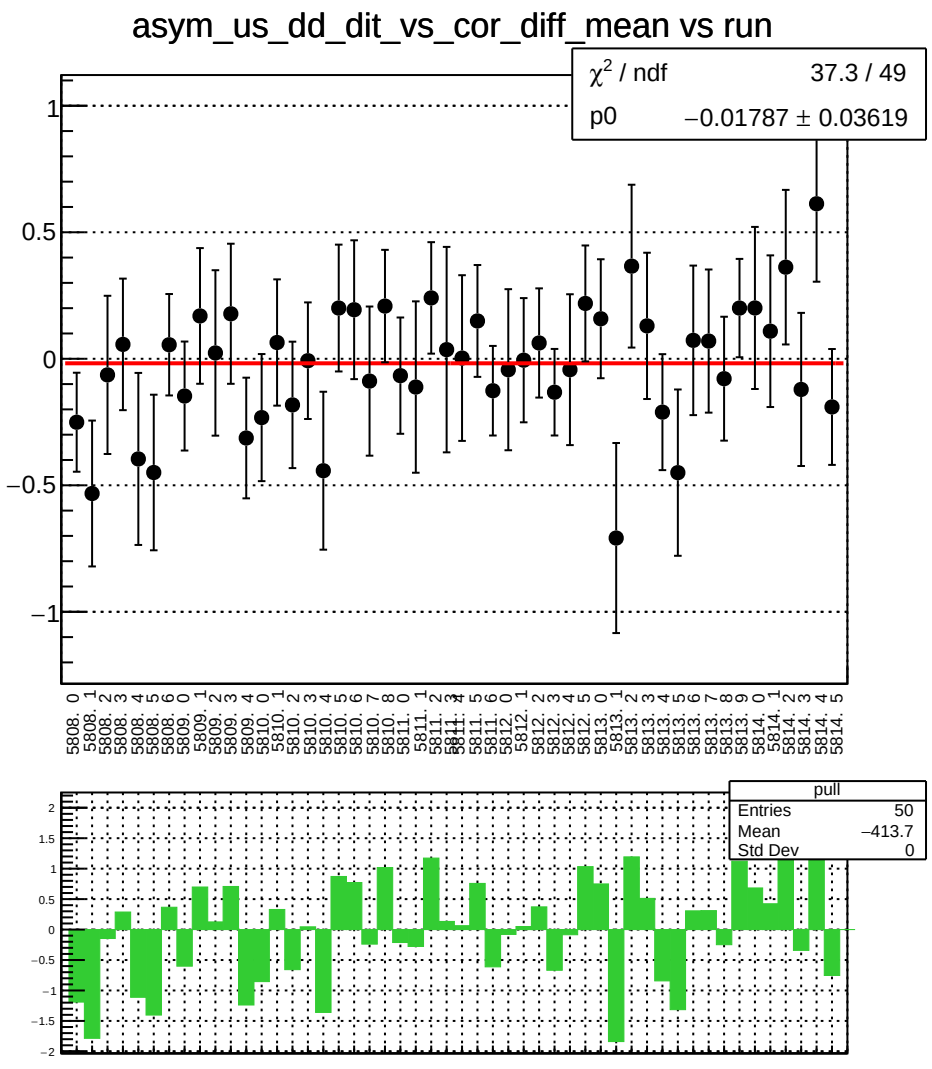

pull1D
Entries 50
Mean −0.002954
Std Dev 0.8843
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

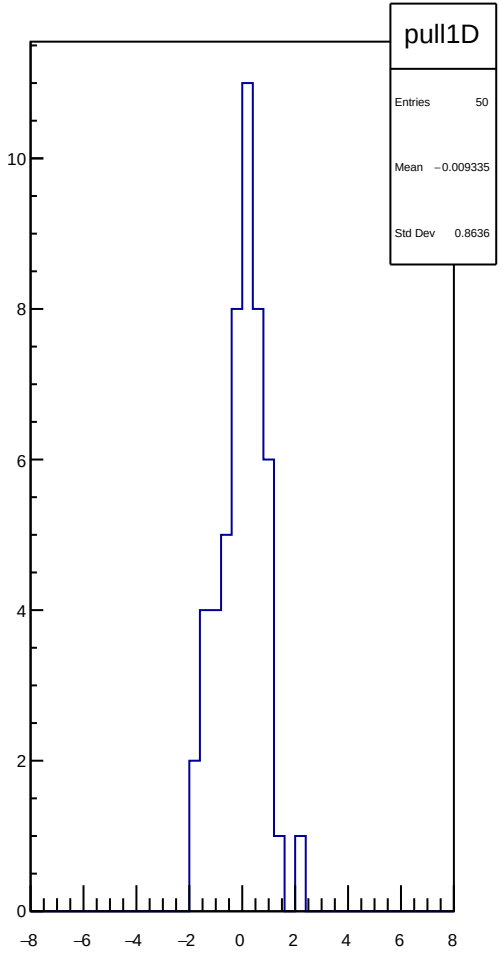

asym_us_dd_rms vs run
χ² / ndf 479.1 / 49
p0 936.6 ± 0.9601
980
960
940
920
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

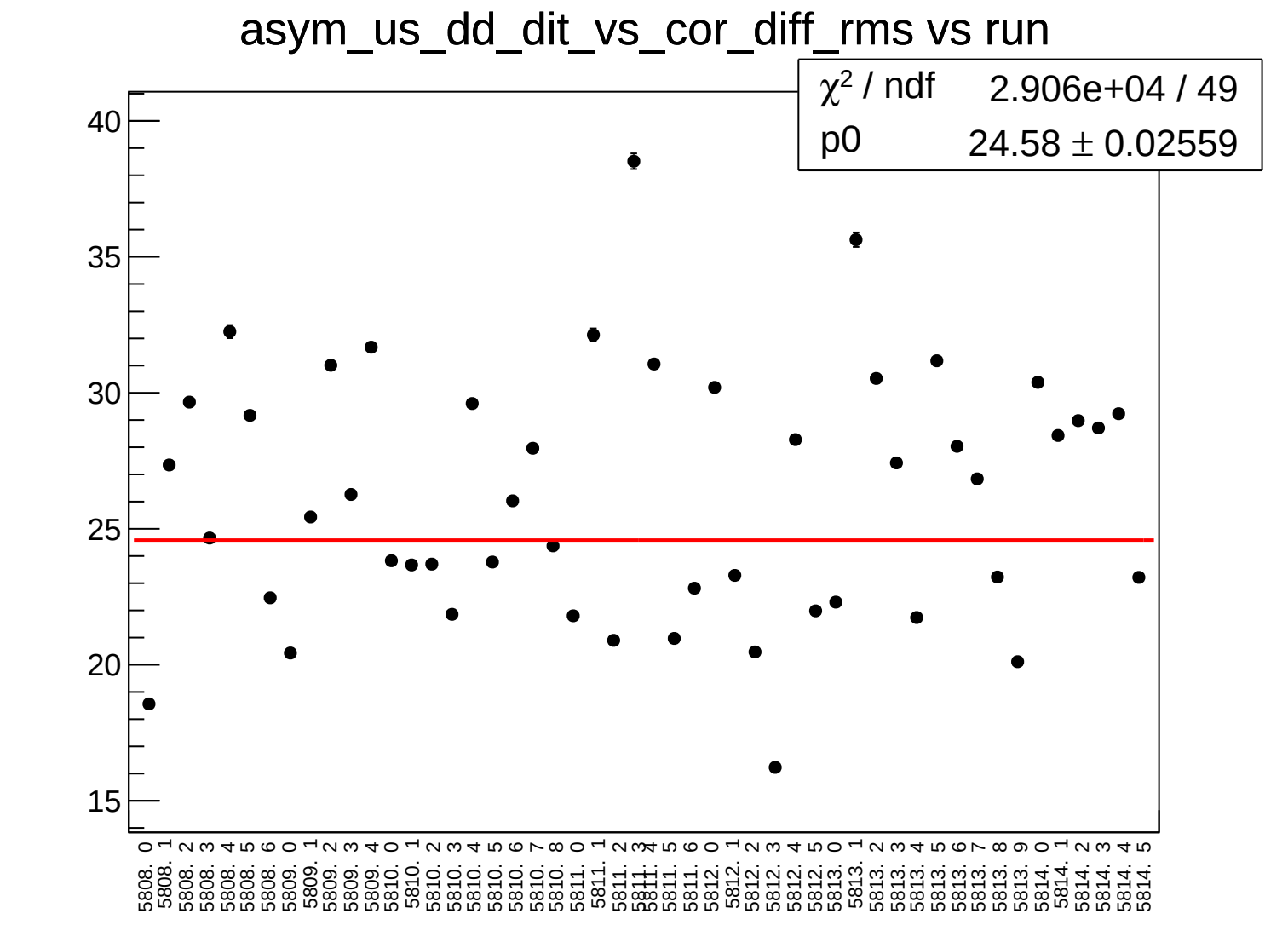

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.6 / 49
p0 −4.528e−15 ± 3.709e−14
pull
Entries 50
Mean 77.86
Std Dev 0

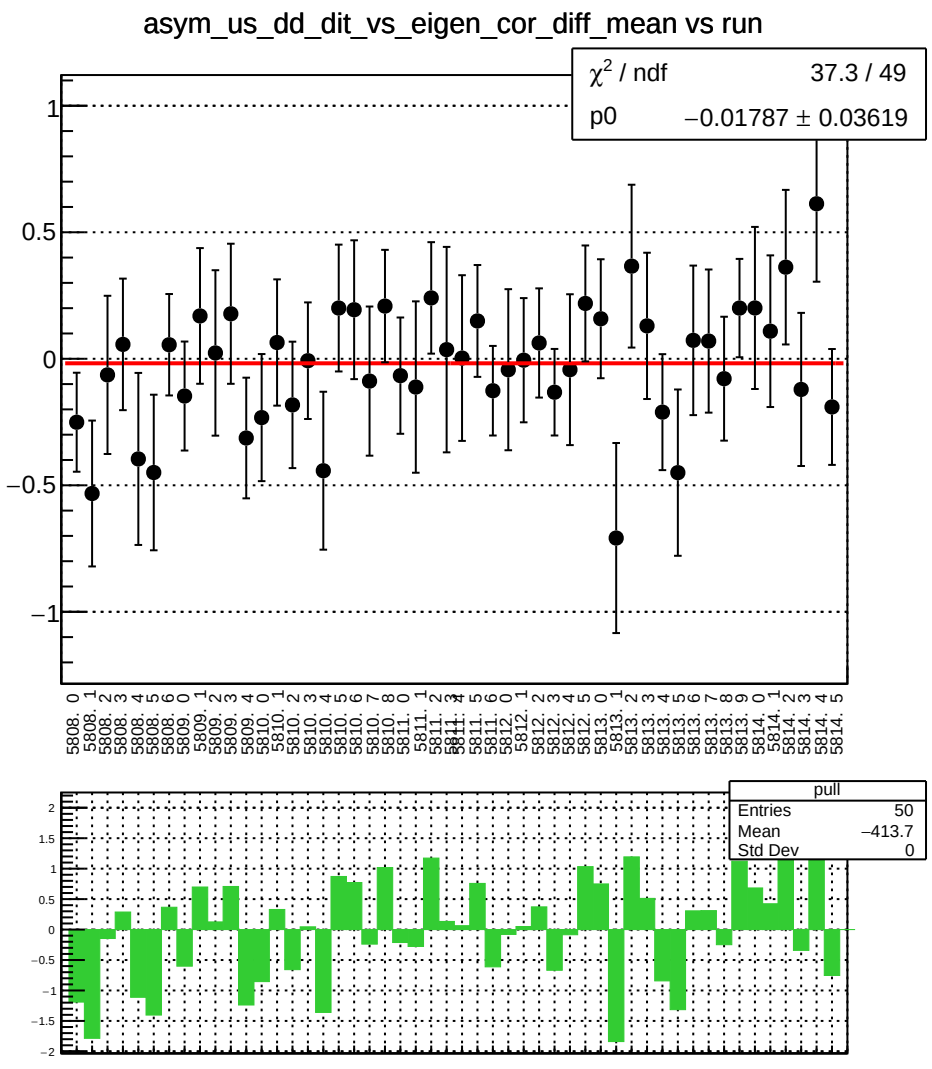

pull1D
Entries 50
Mean −0.07447
Std Dev 1.107

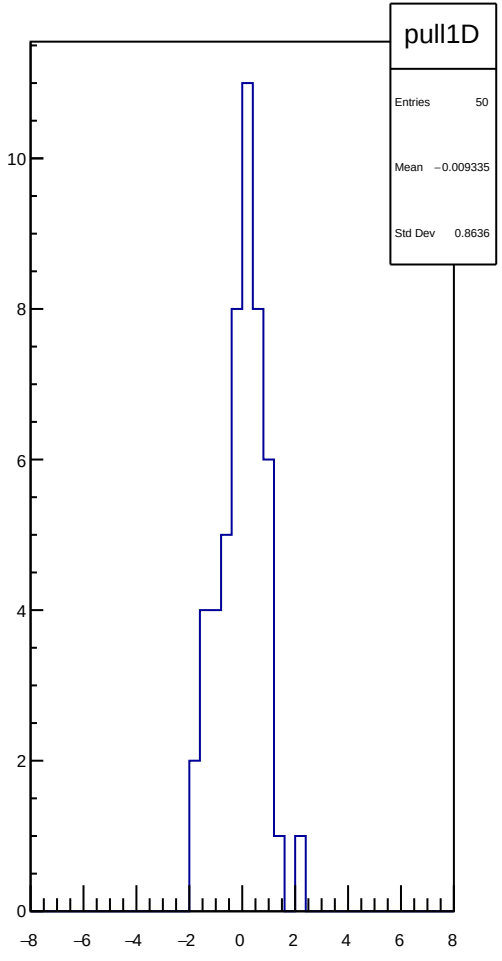

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.246e+05 / 49
p0 1.905e−11 ± 2.623e−14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

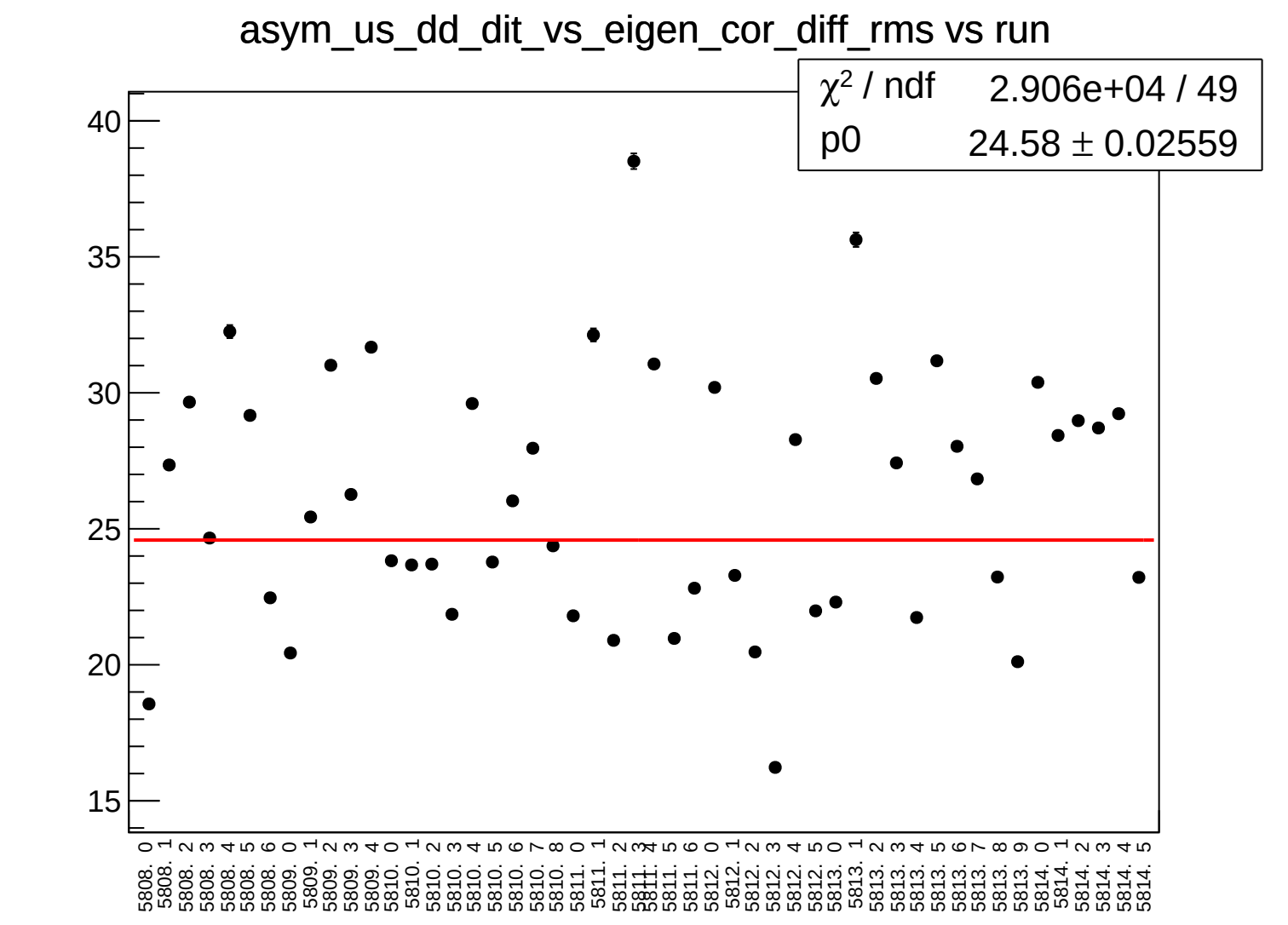

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.3 / 49
p0 −0.01787 ± 0.03619
pull
Entries 50
Mean −413.7
Std Dev 0

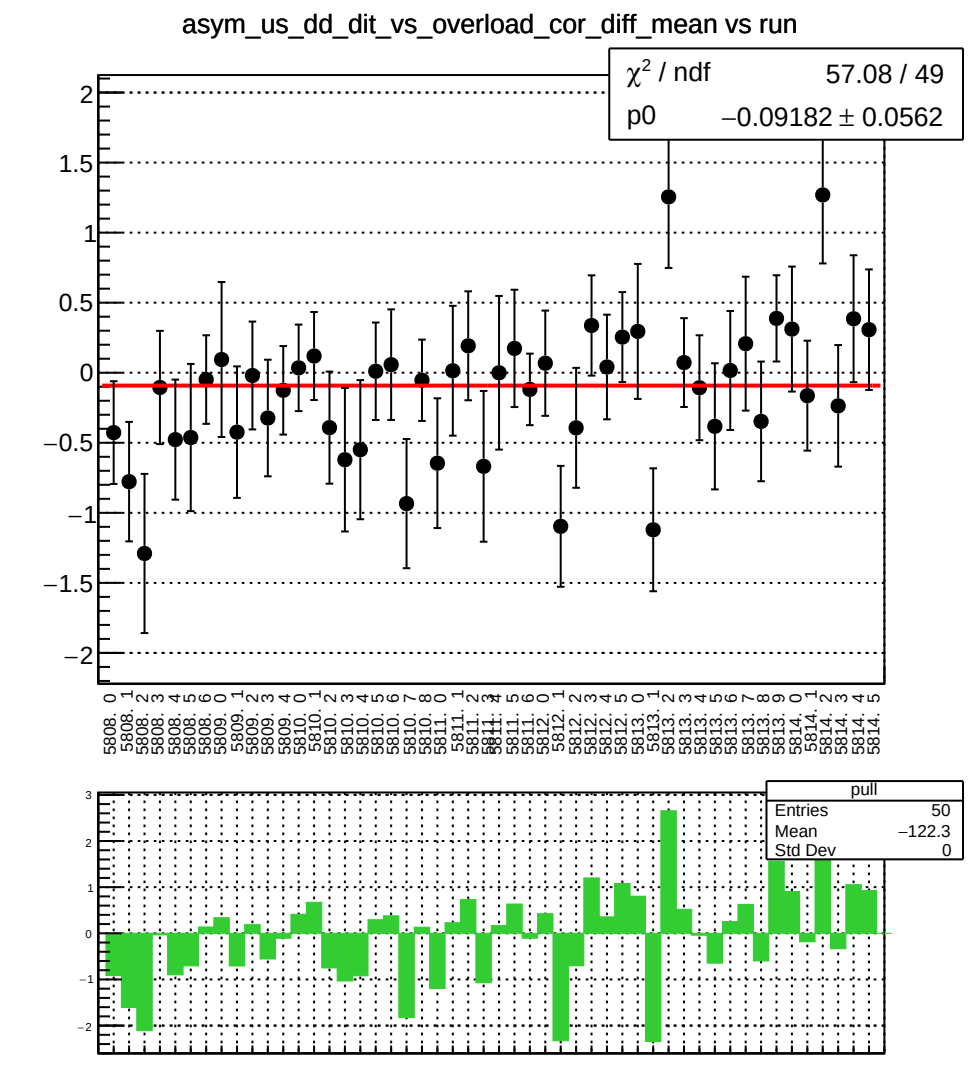

pull1D
Entries 50
Mean −0.009335
Std Dev 0.8636

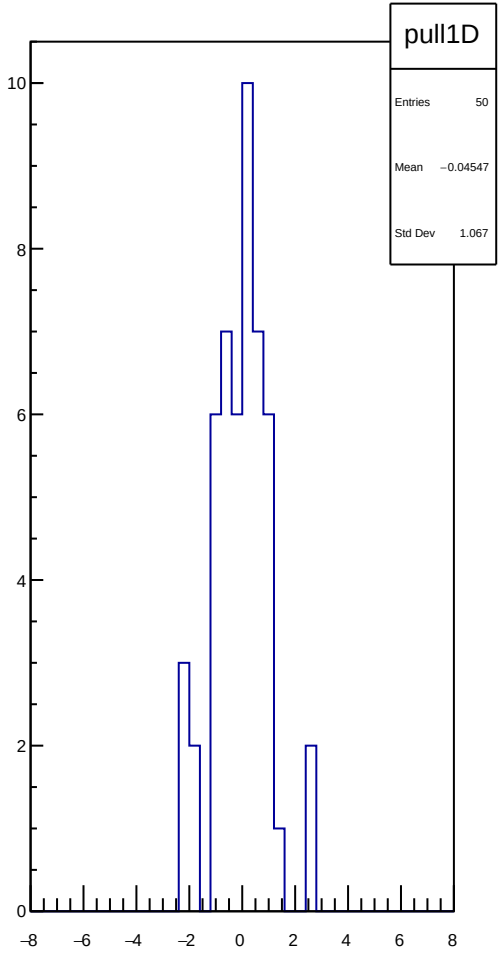

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.906e+04 / 49
p0 24.58 ± 0.02559
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

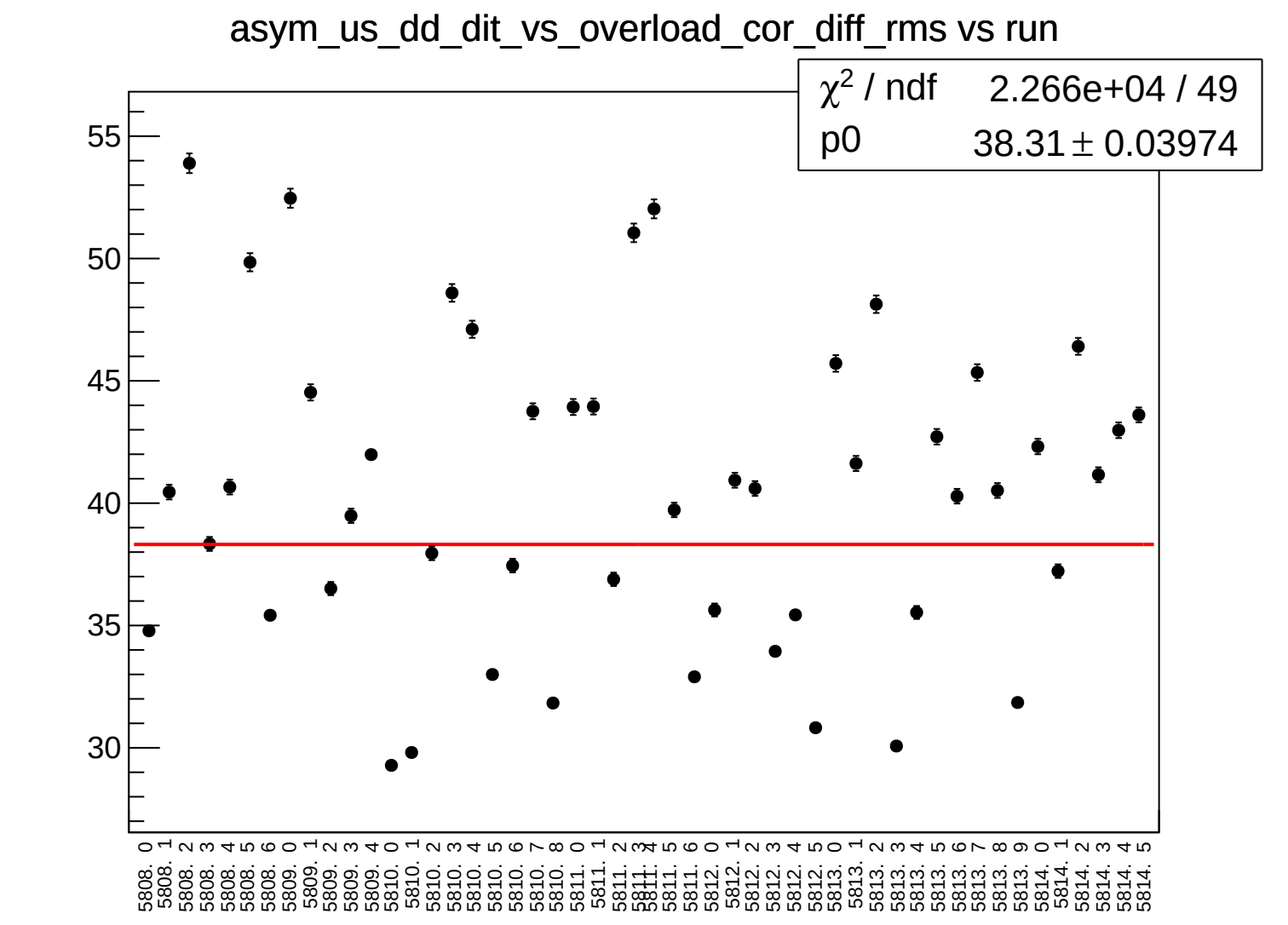

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.3 / 49
p0 −0.01787 ± 0.03619
pull
Entries 50
Mean −413.7
Std Dev 0

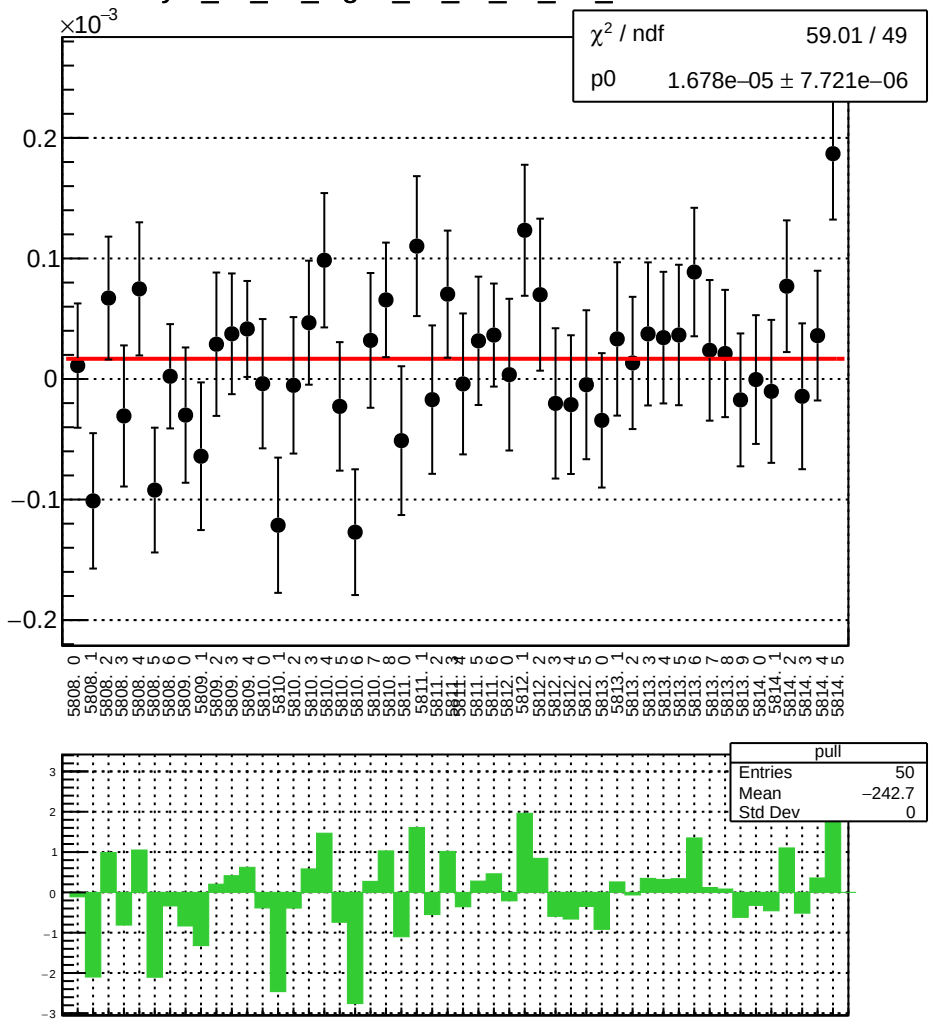

pull1D
Entries 50
Mean −0.009335
Std Dev 0.8636

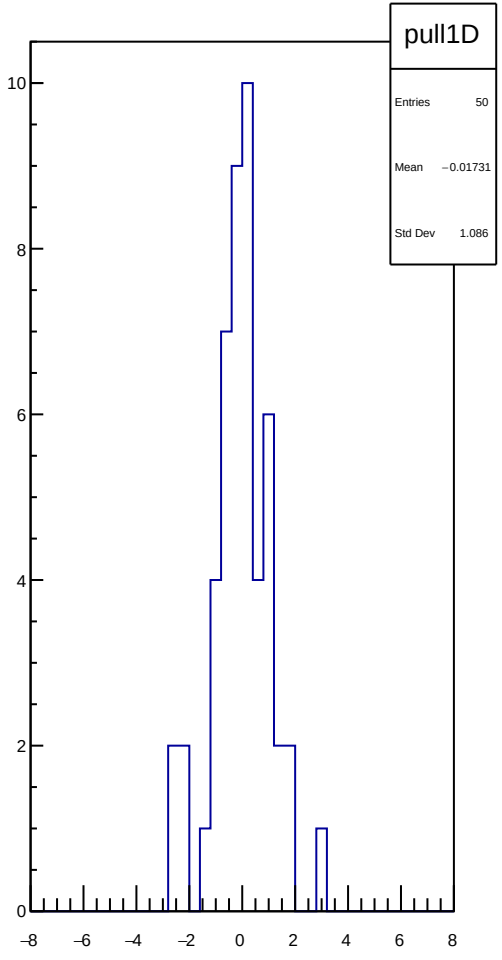

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.906e+04 / 49
p0 24.58 ± 0.02559
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

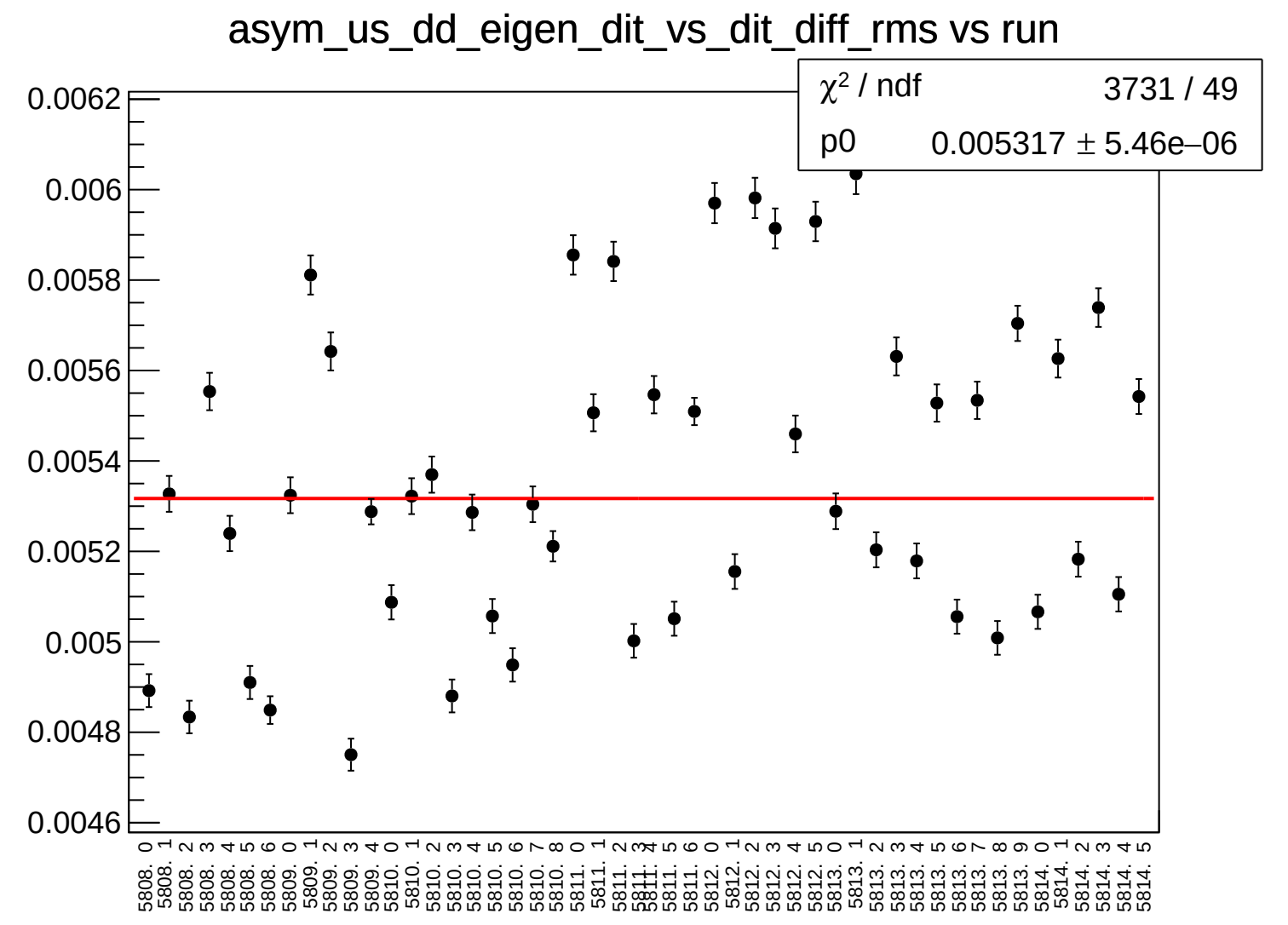

asym_us_dd_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 57.08 / 49
p0 −0.09182 ± 0.0562
pull
Entries 50
Mean −122.3
Std Dev 0


pull1D
Entries 50
Mean −0.04547
Std Dev 1.067

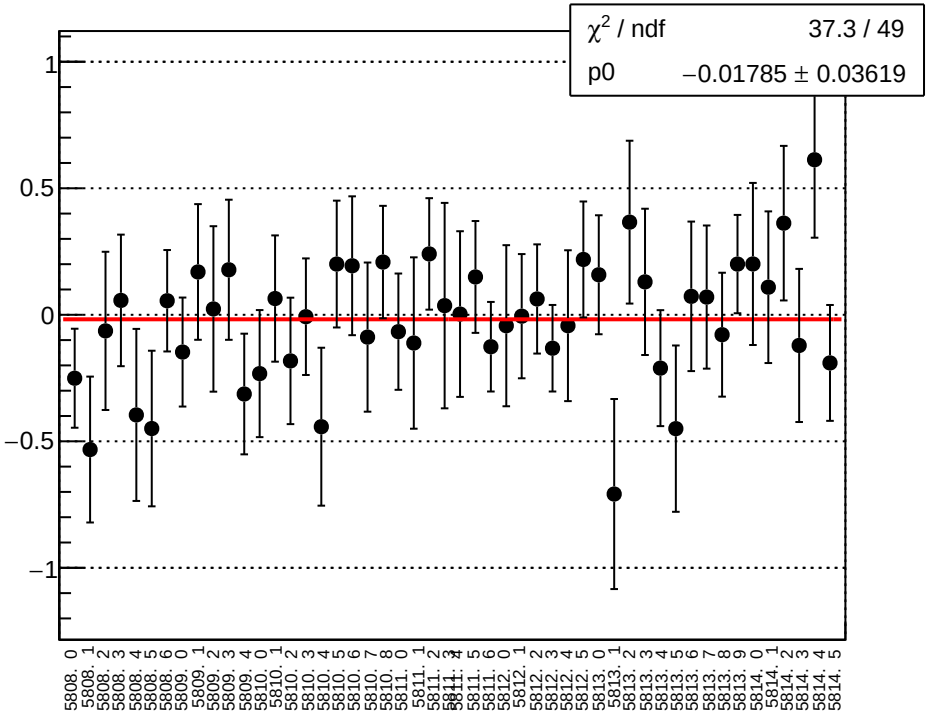

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.266e+04 / 49
p0 38.31 ± 0.03974
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

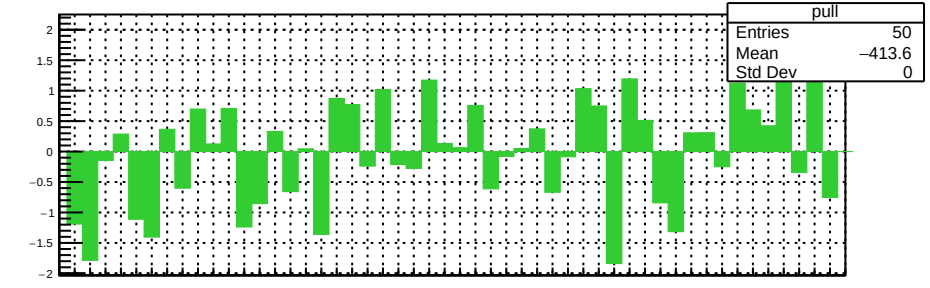

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.01 / 49
p0 1.678e−05 ± 7.721e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 50
Mean −242.7
Std Dev 0
3
2
1
0
−1
−2
−3

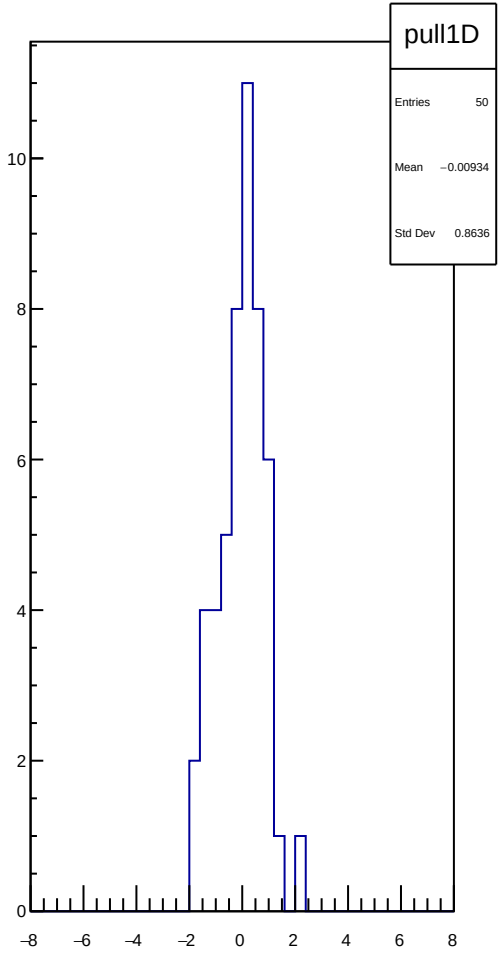

pull1D
Entries 50
Mean −0.01731
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

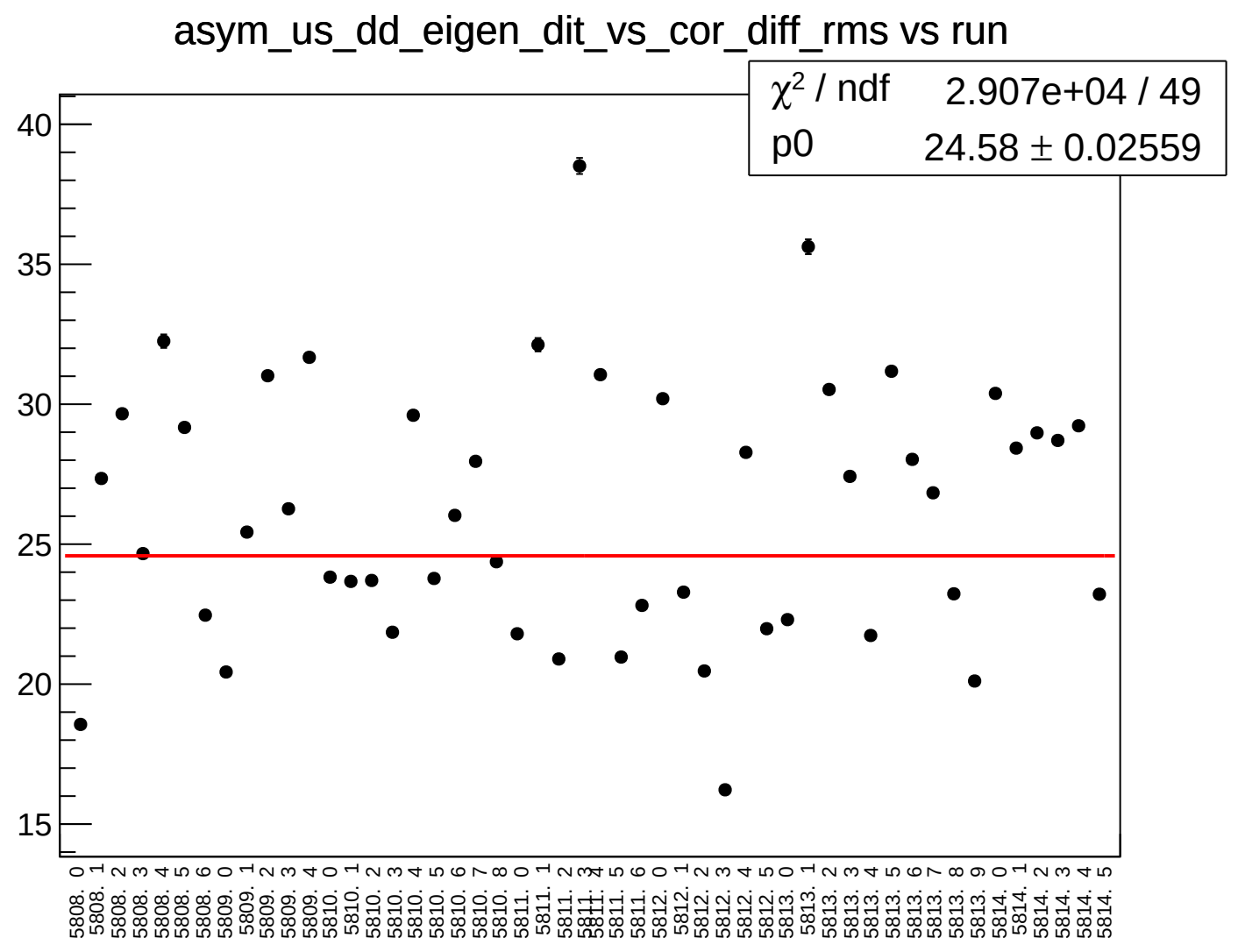

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3731 / 49
p0 0.005317 ± 5.46e–06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

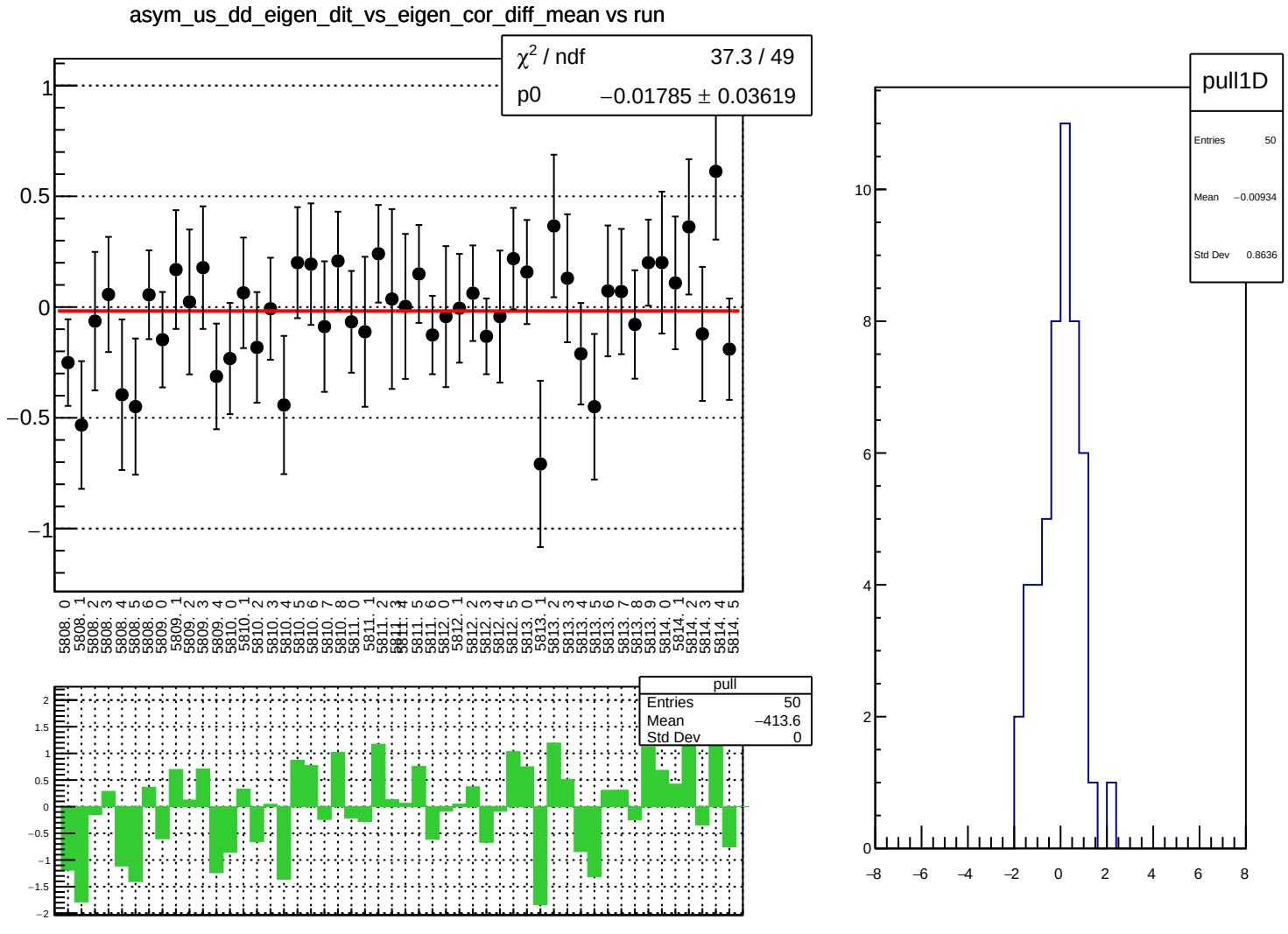
asym_us_dd_eigen_dit_vs_cor_diff_mean vs run

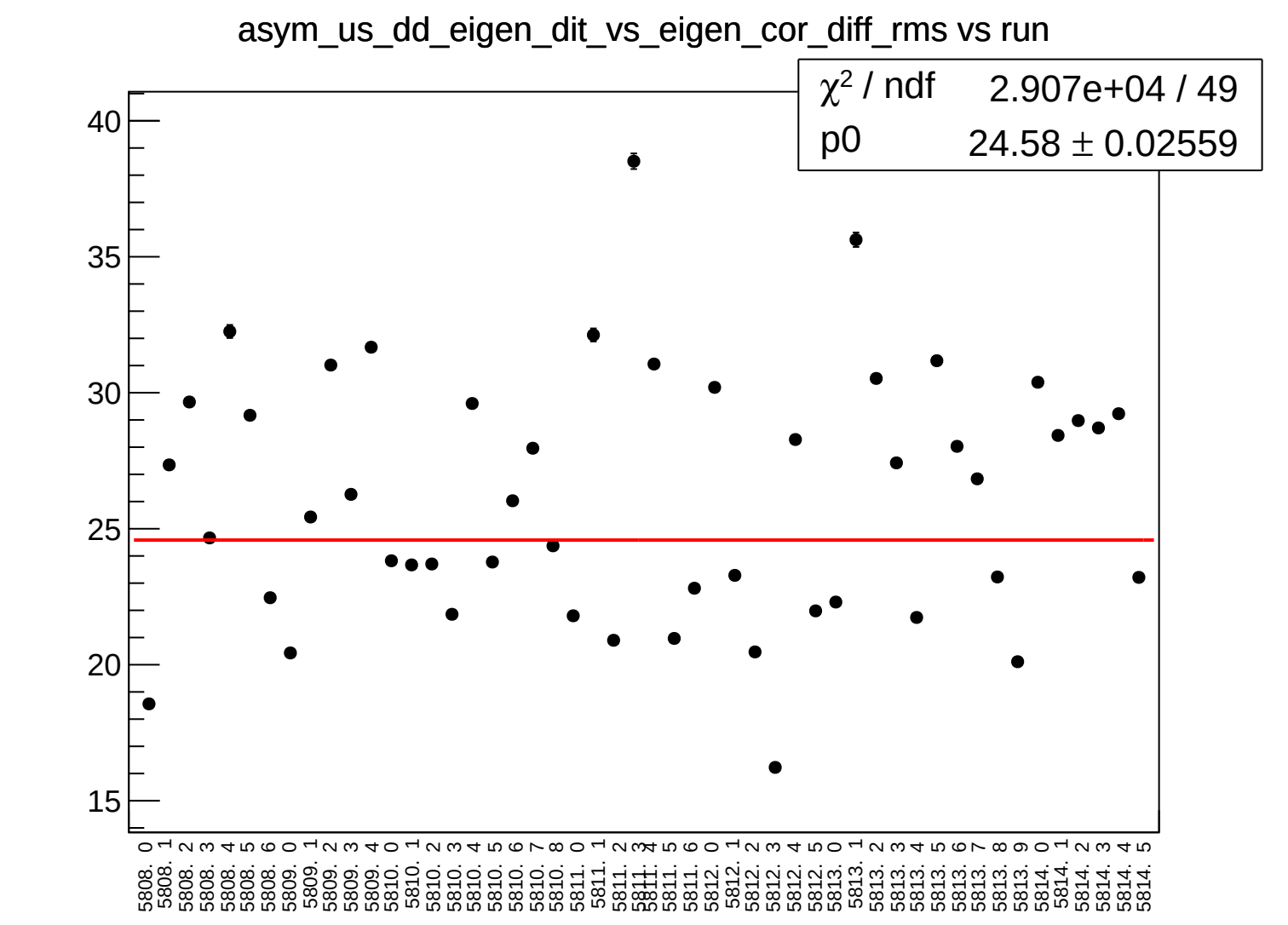


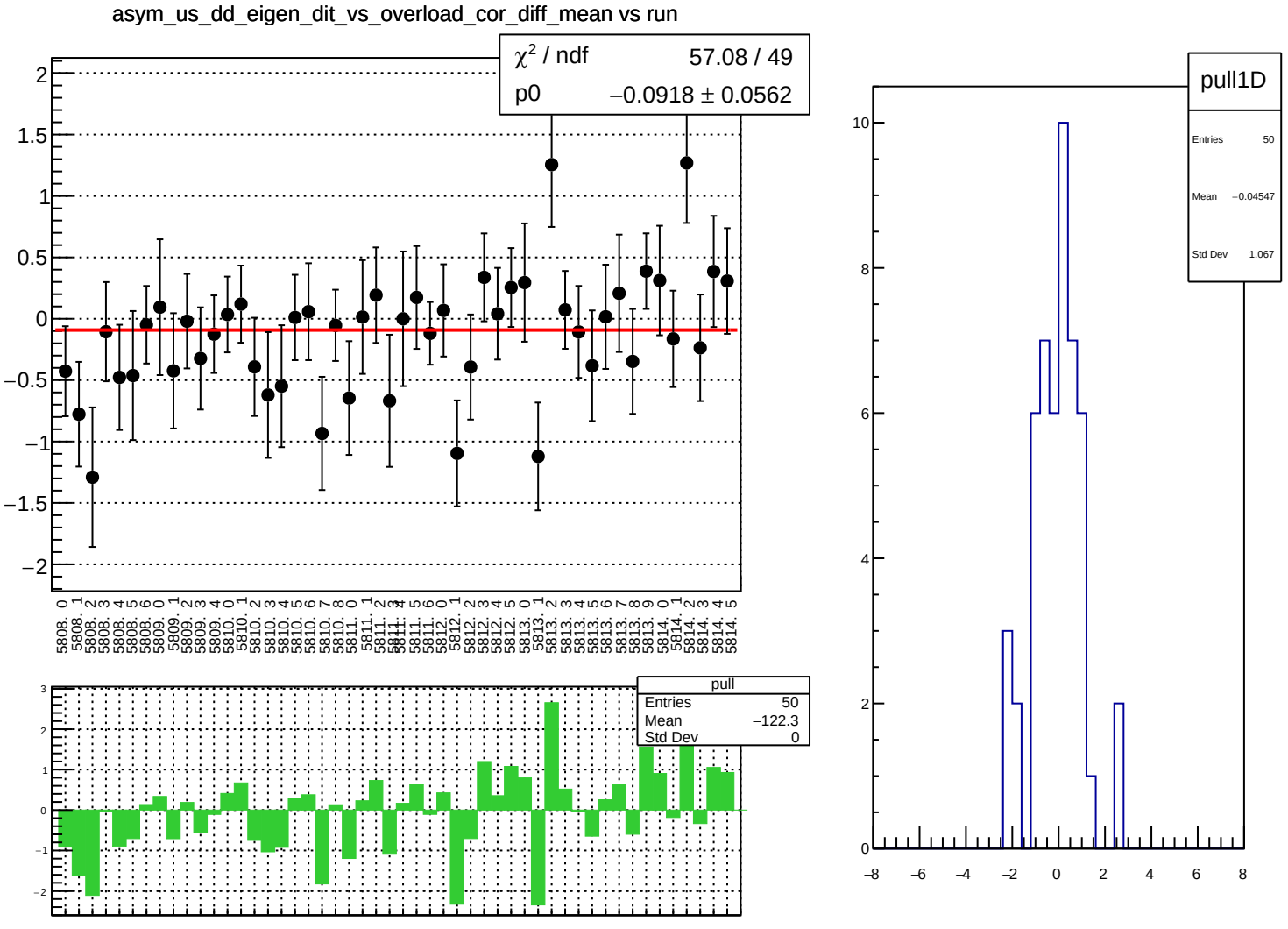


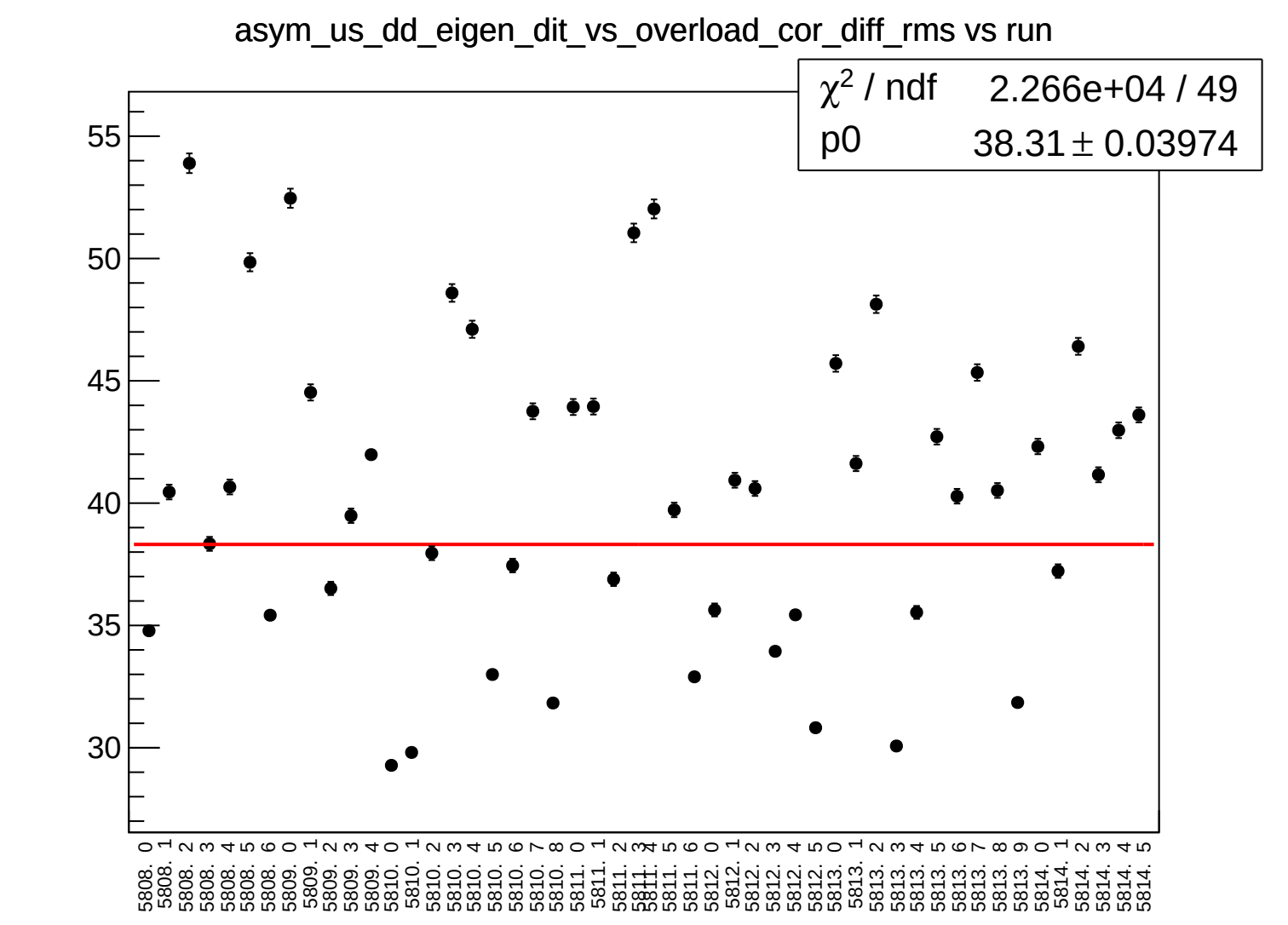



asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.907e+04 / 49
p0 24.58 ± 0.02559
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.3 / 49
p0 −0.01785 ± 0.03619
pull
Entries 50
Mean −413.6
Std Dev 0
pull1D
Entries 50
Mean −0.00934
Std Dev 0.8636


asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.907e+04 / 49
p0 24.58 ± 0.02559
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 57.08 / 49
p0 −0.0918 ± 0.0562
pull
Entries 50
Mean −122.3
Std Dev 0
pull1D
Entries 50
Mean −0.04547
Std Dev 1.067


asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.266e+04 / 49
p0 38.31 ± 0.03974
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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5814. 2
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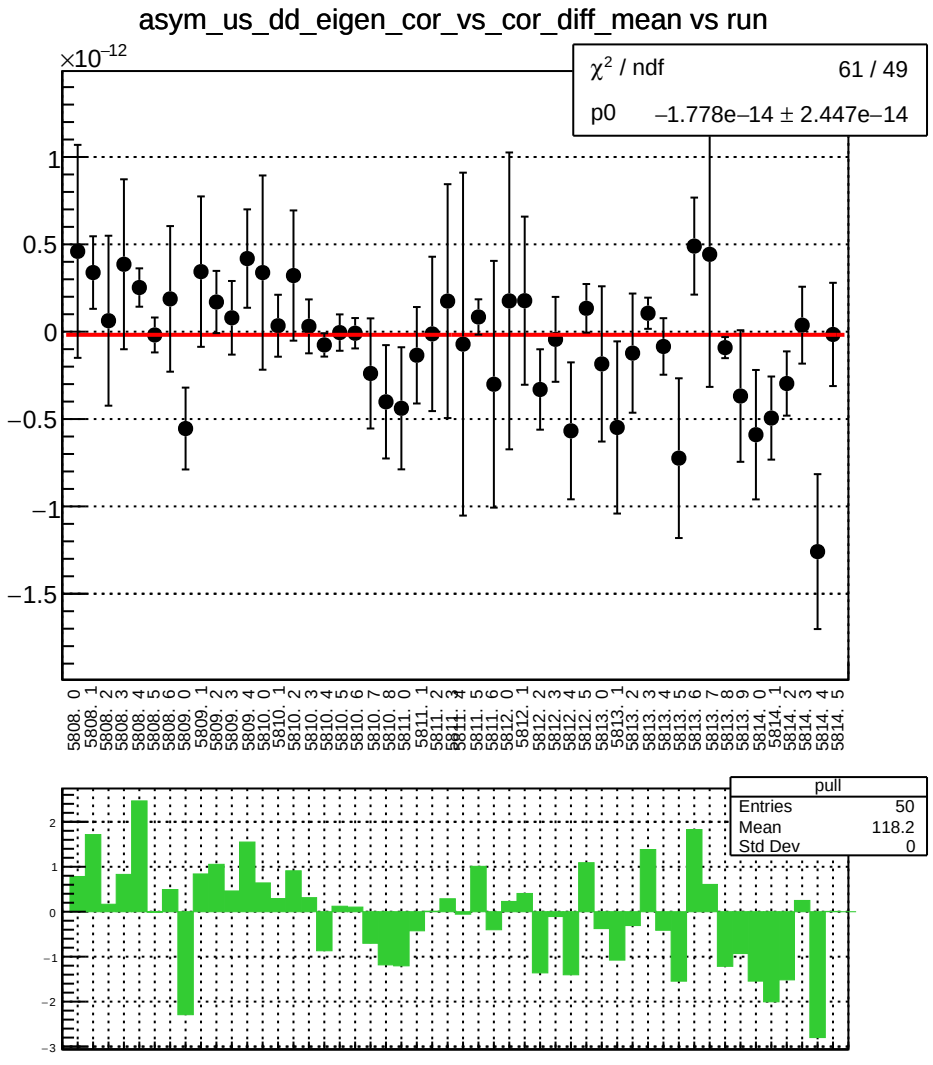
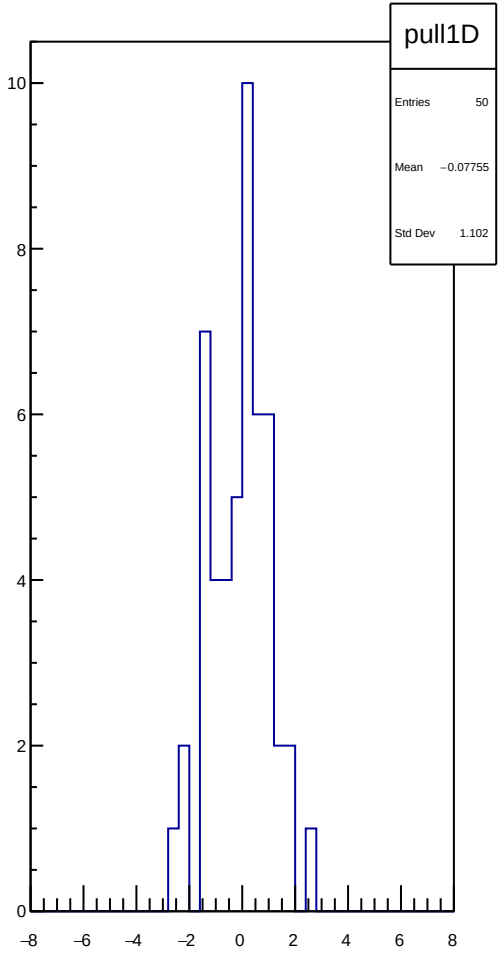
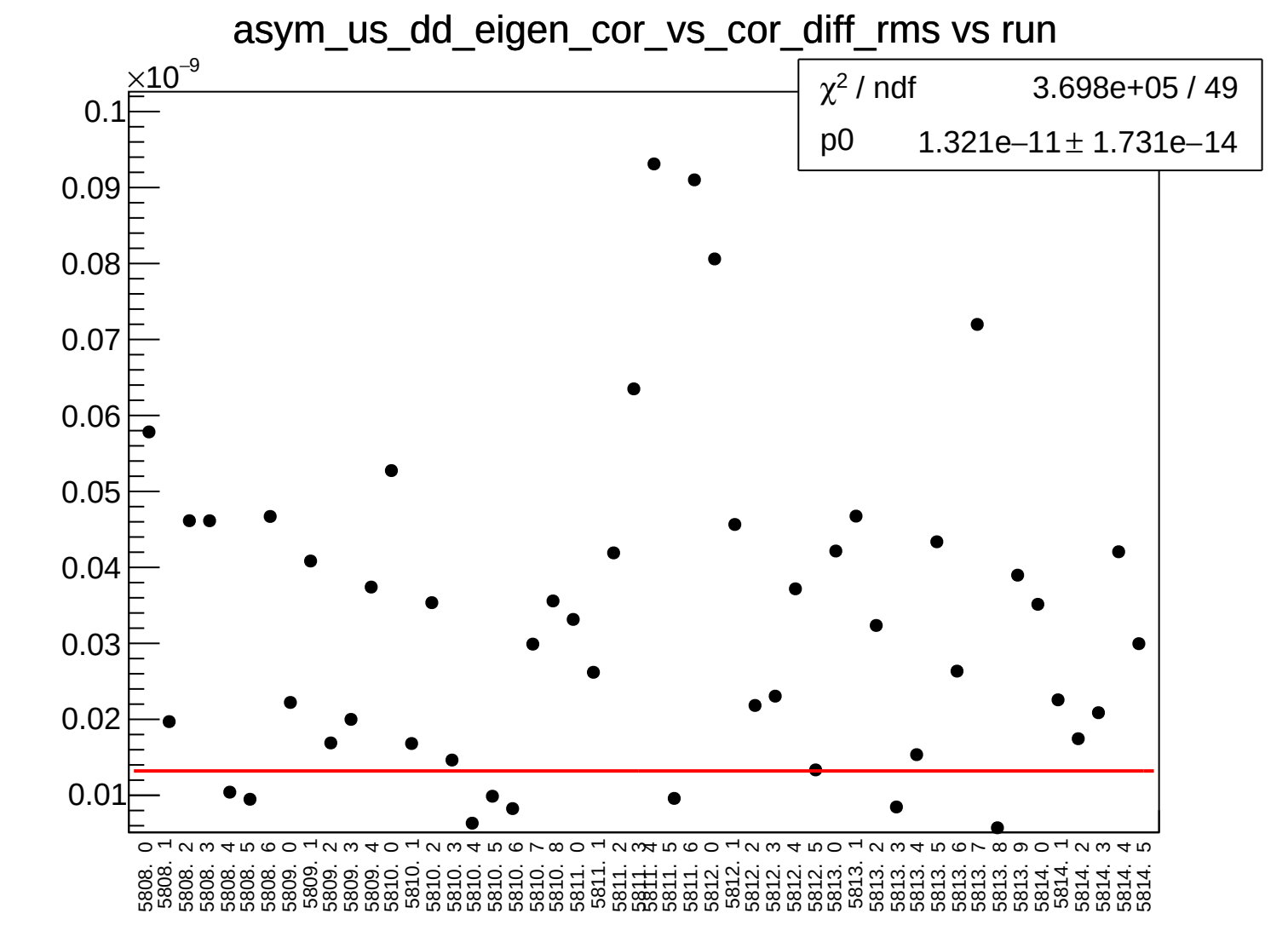
5814. 5


asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61 / 49
p0 −1.778e−14 ± 2.447e−14
pull
Entries 50
Mean 118.2
Std Dev 0


pull1D
Entries 50
Mean −0.07755
Std Dev 1.102


asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.698e+05 / 49
p0 1.321e−11 ± 1.731e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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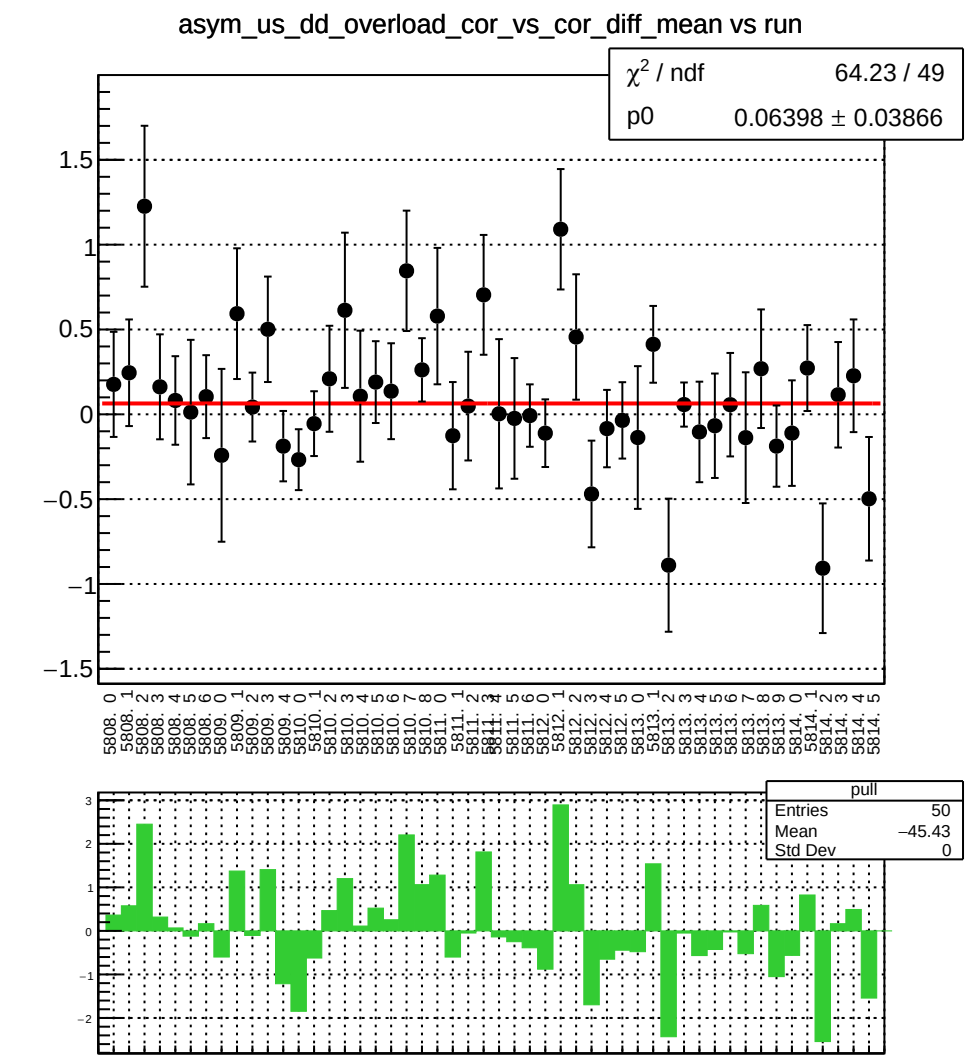
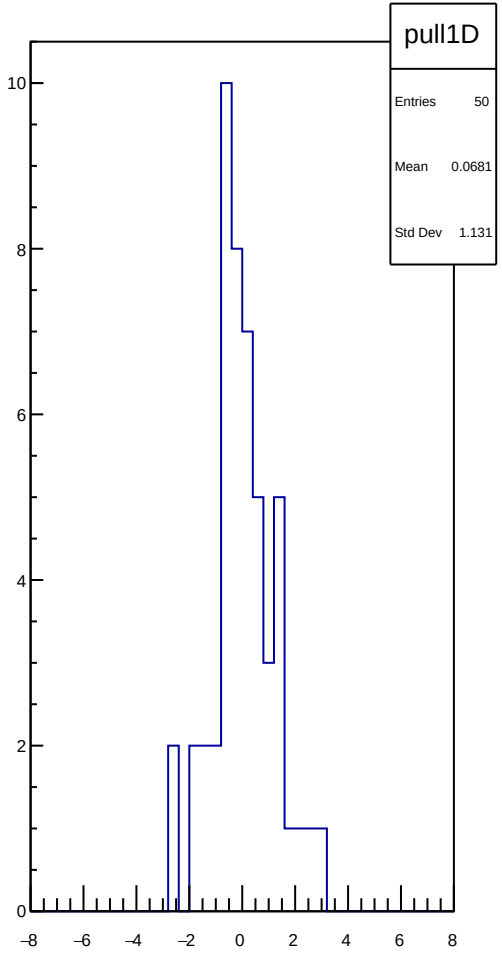
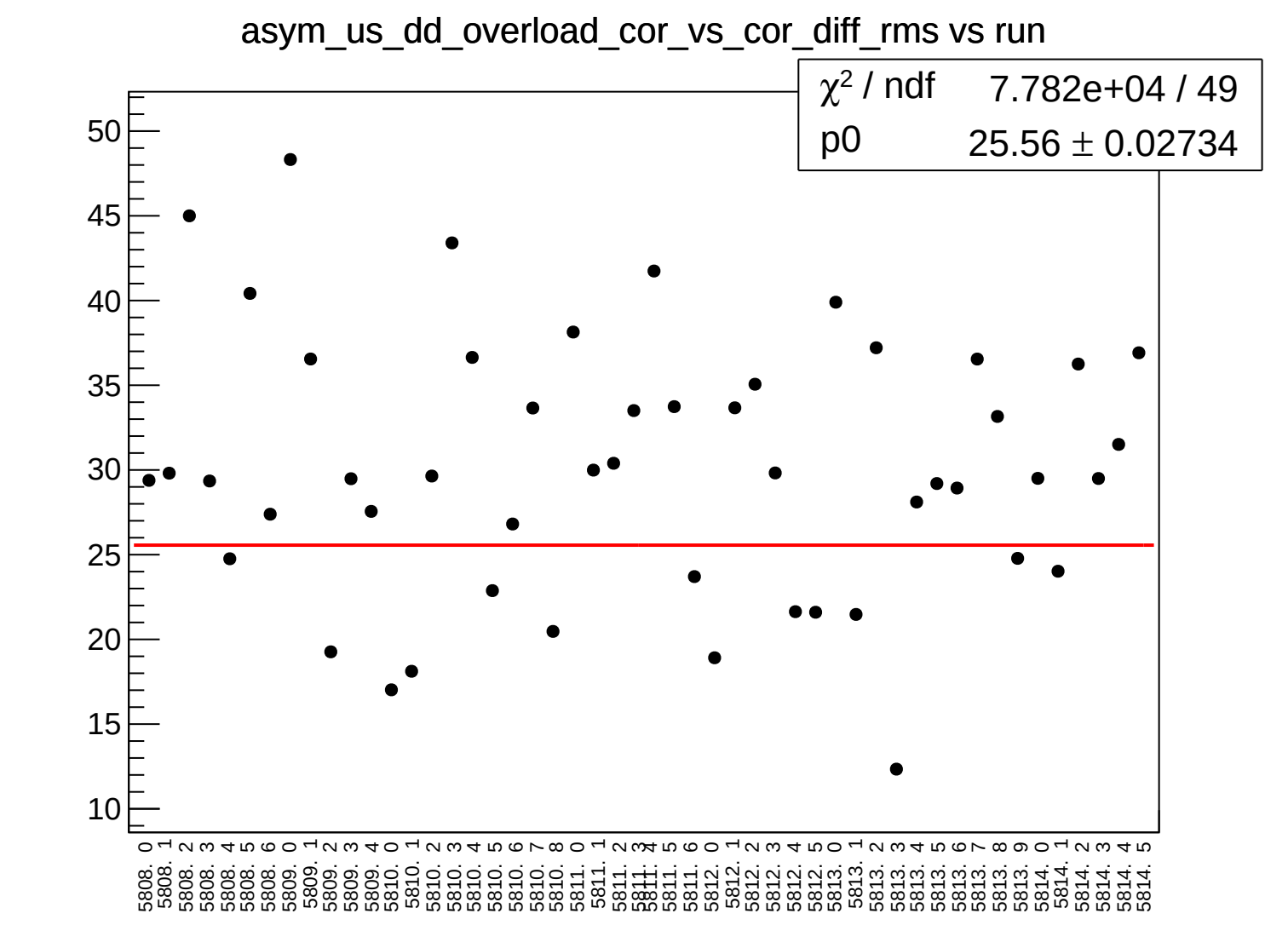
5814. 4
5814. 5


asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 64.23 / 49
p0 0.06398 ± 0.03866
pull
Entries 50
Mean −45.43
Std Dev 0


pull1D
Entries 50
Mean 0.0681
Std Dev 1.131


asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 7.782e+04 / 49
p0 25.56 ± 0.02734
50
45
40
35
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25
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15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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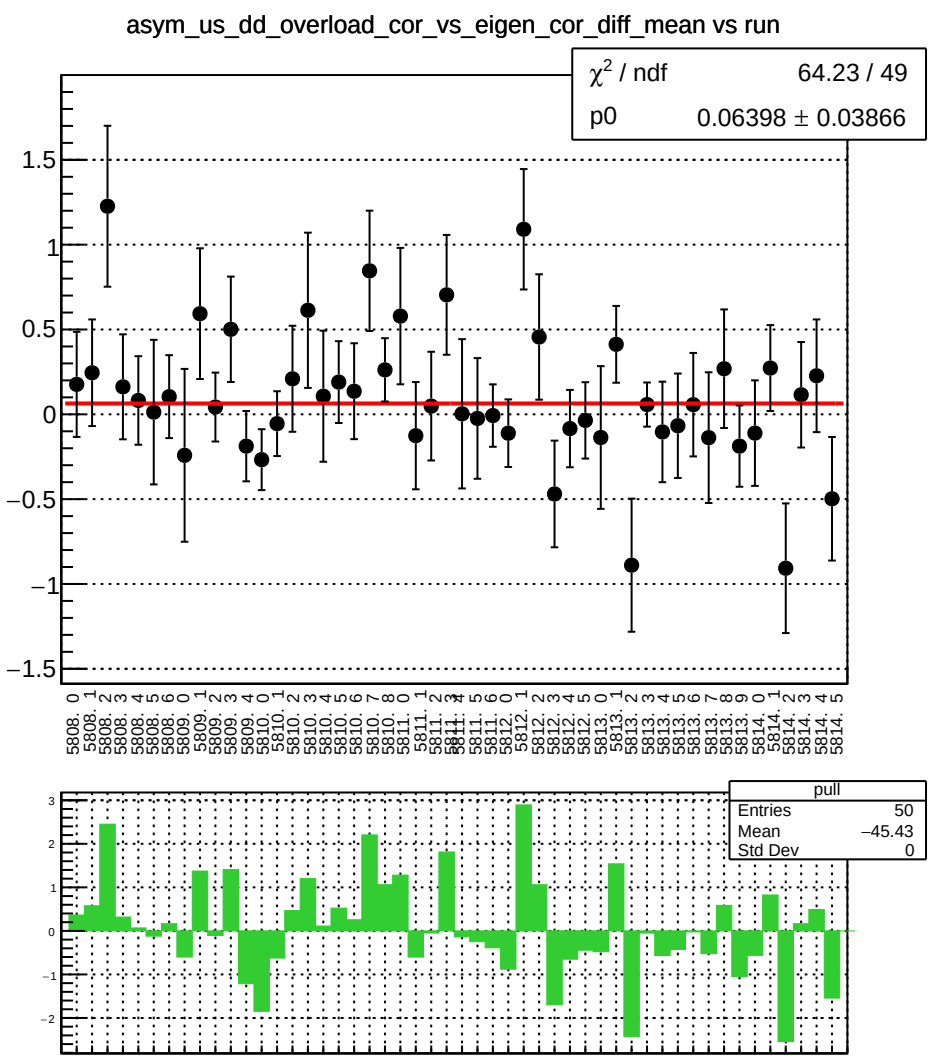
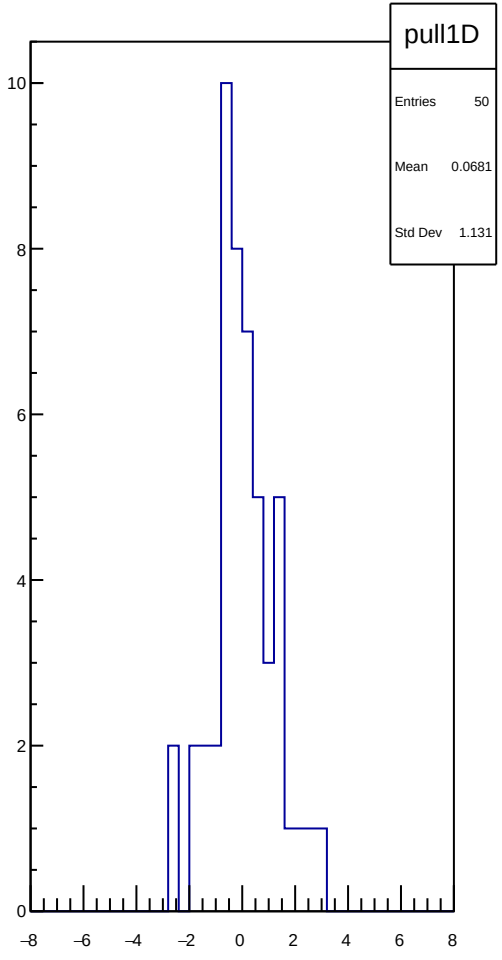
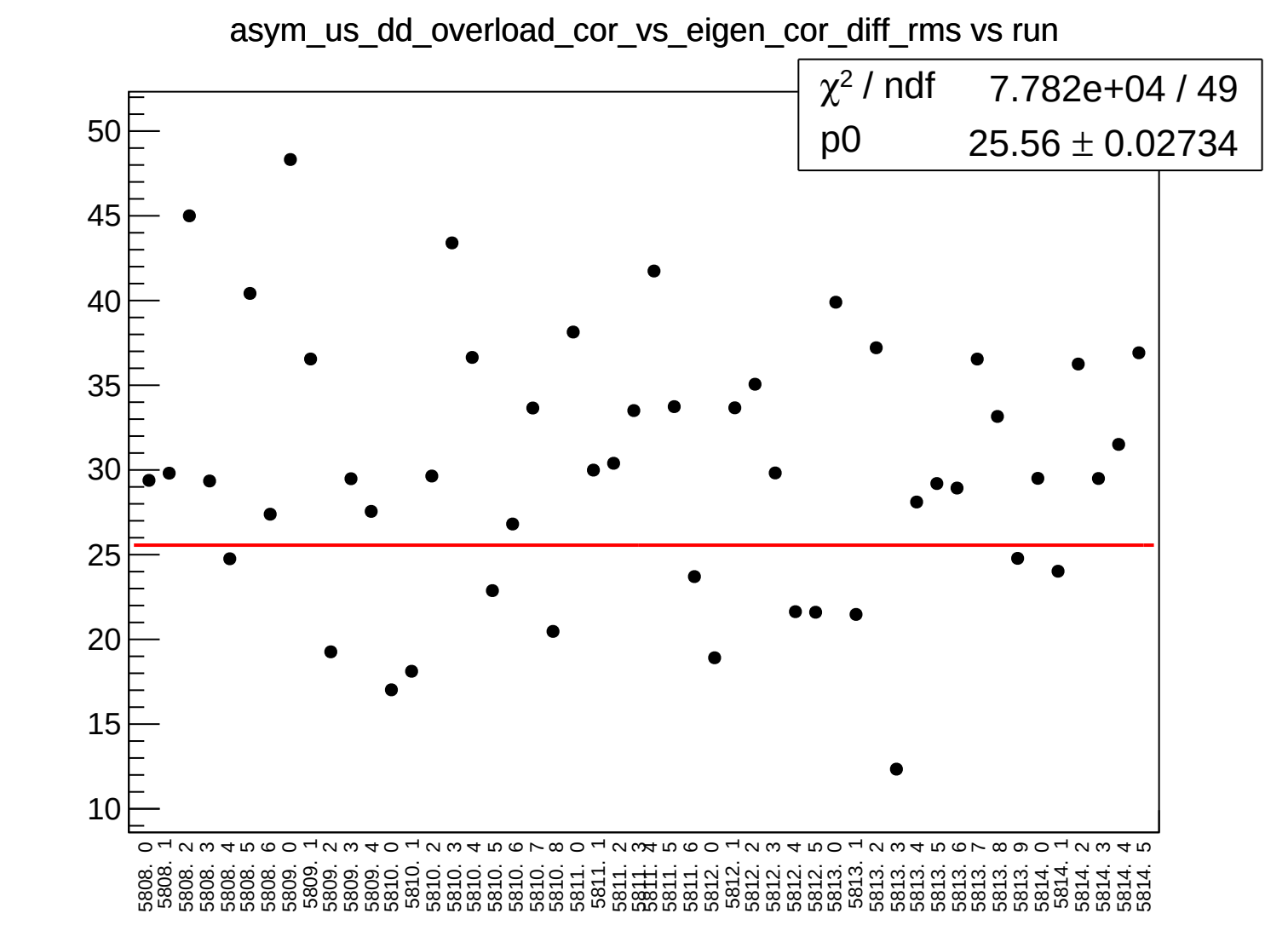
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 64.23 / 49
p0 0.06398 ± 0.03866
pull
Entries 50
Mean −45.43
Std Dev 0


pull1D
Entries 50
Mean 0.0681
Std Dev 1.131


asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.782e+04 / 49
p0 25.56 ± 0.02734
50
45
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5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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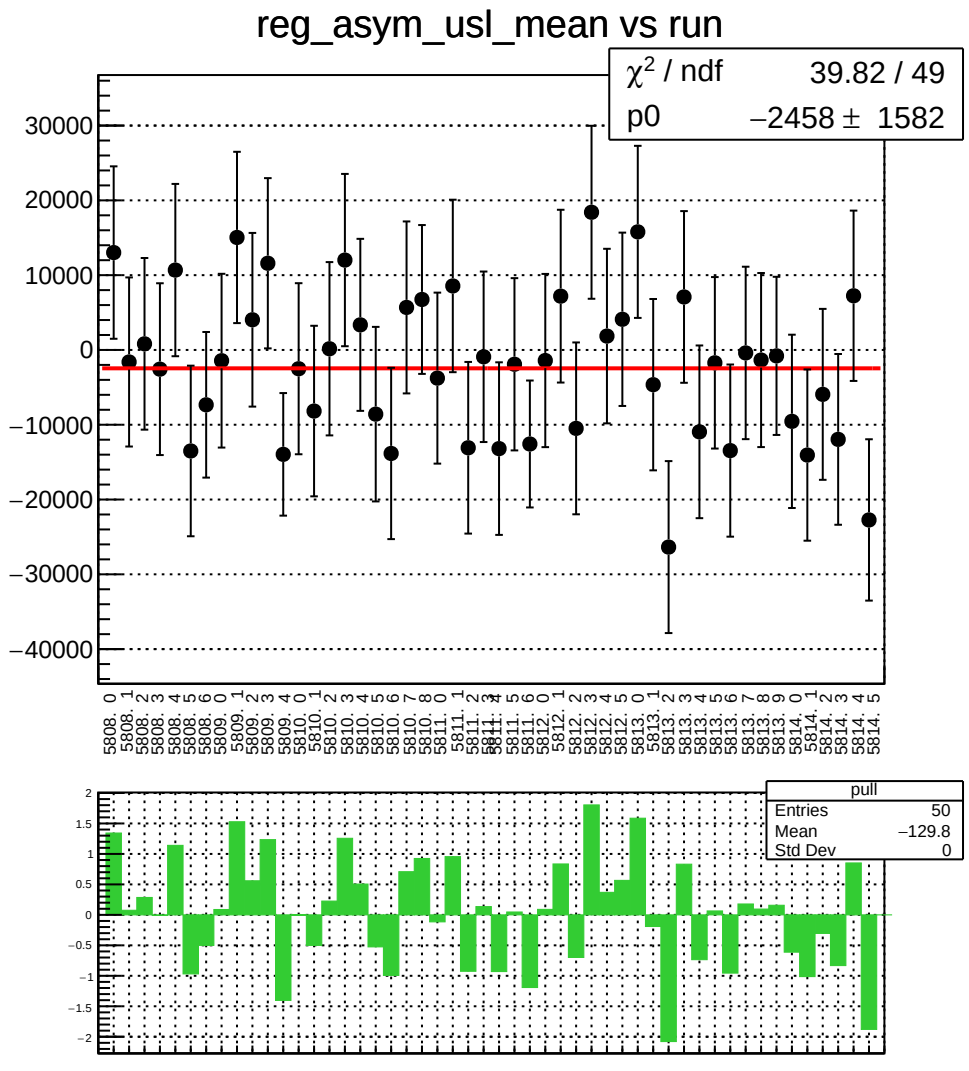
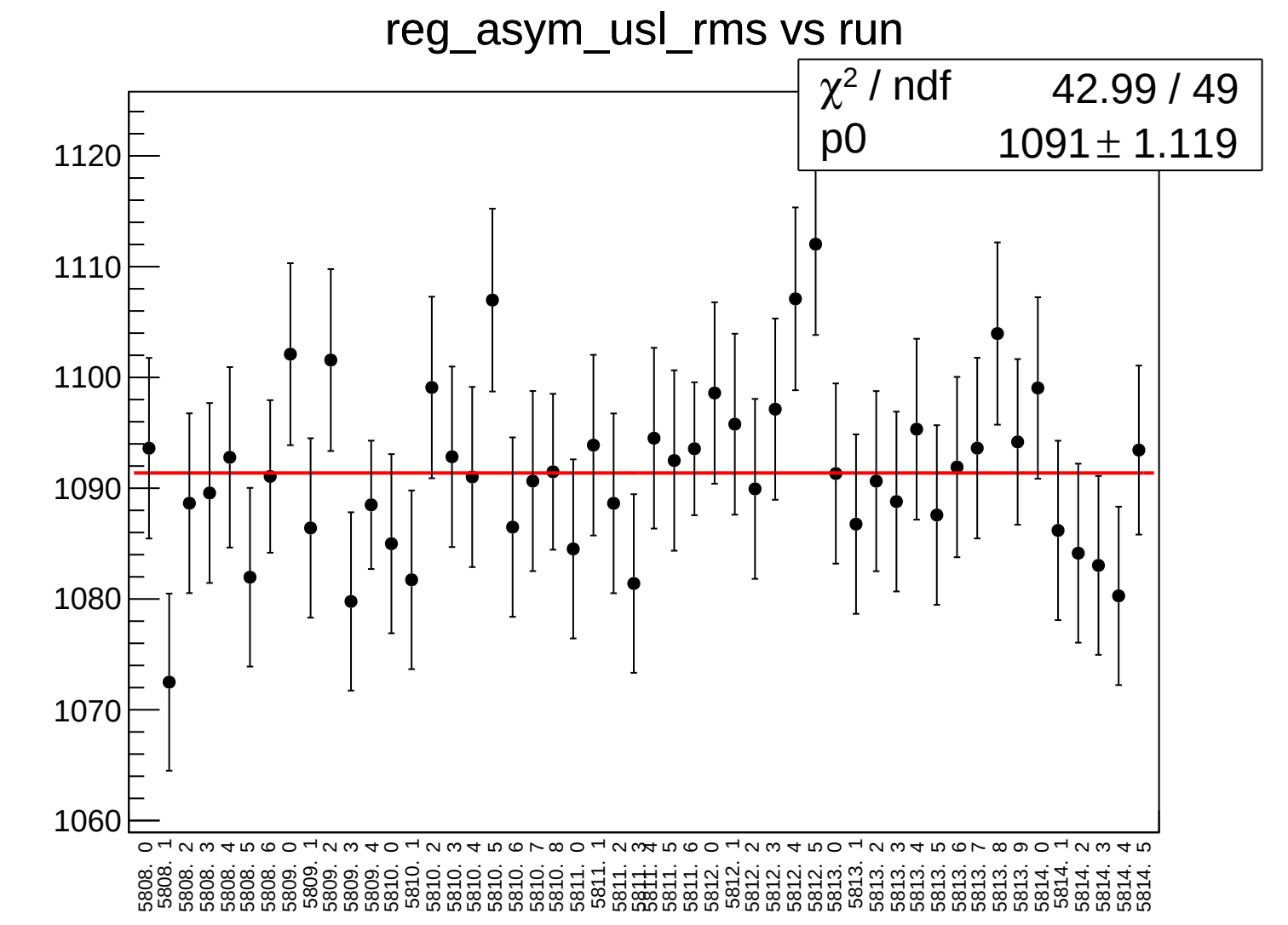
5814. 4
5814. 5


reg_asym_usl_mean vs run
χ² / ndf 39.82 / 49
p0 −2458 ± 1582
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −129.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02146
Std Dev 0.8921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usl_rms vs run
χ² / ndf 42.99 / 49
p0 1091 ± 1.119
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
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5814. 1
5814. 2
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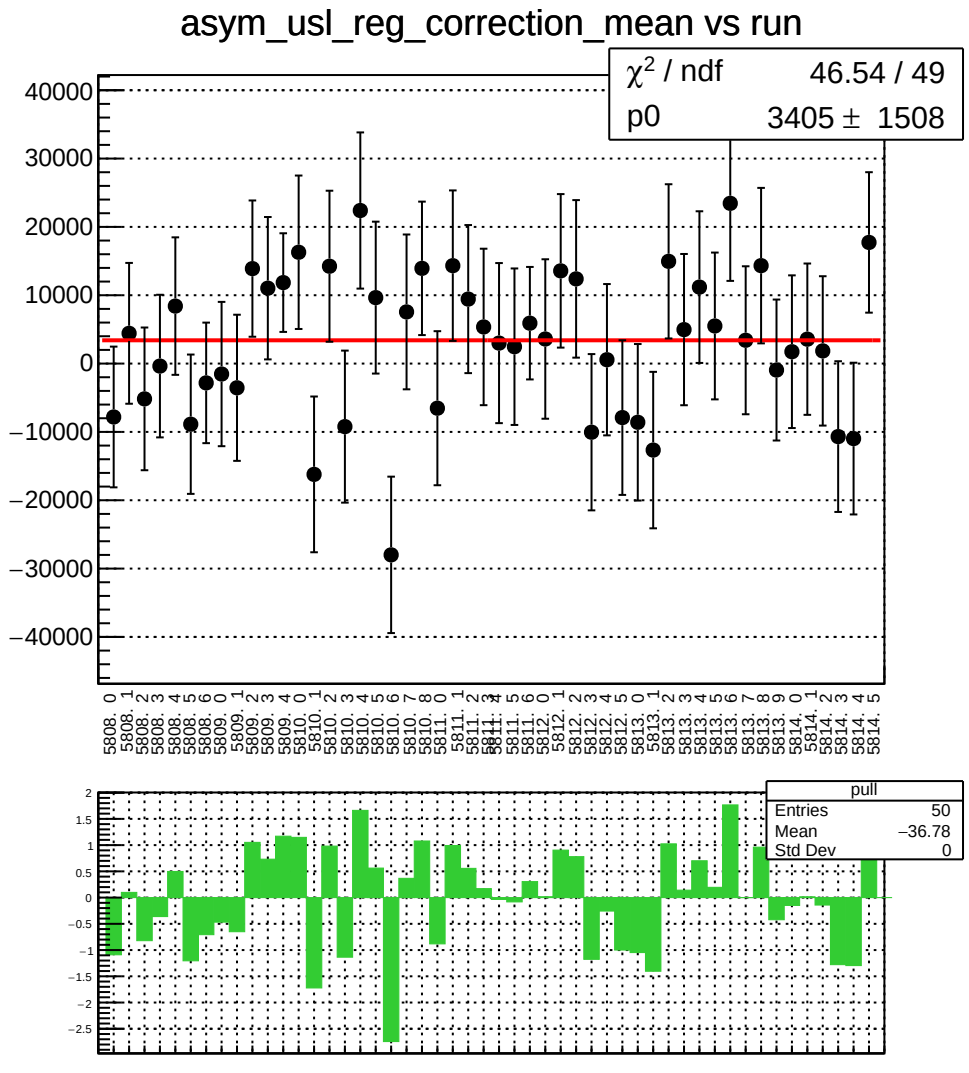
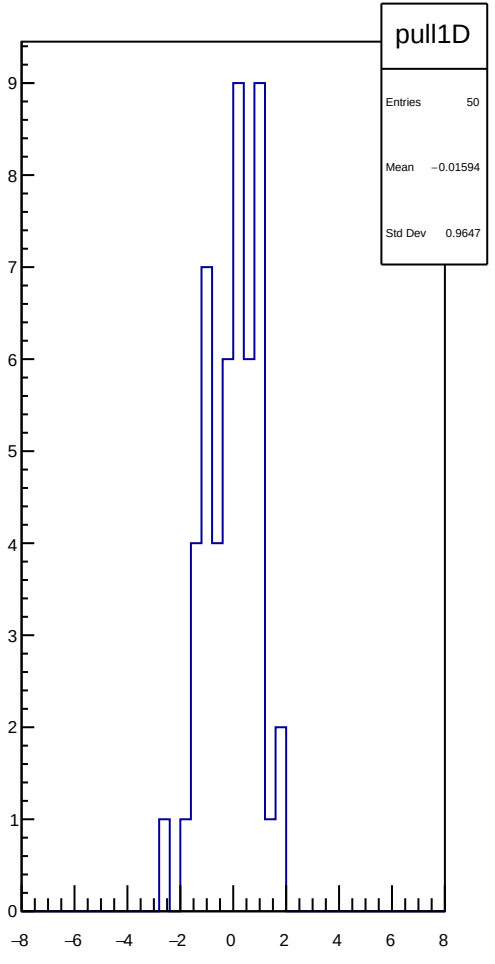
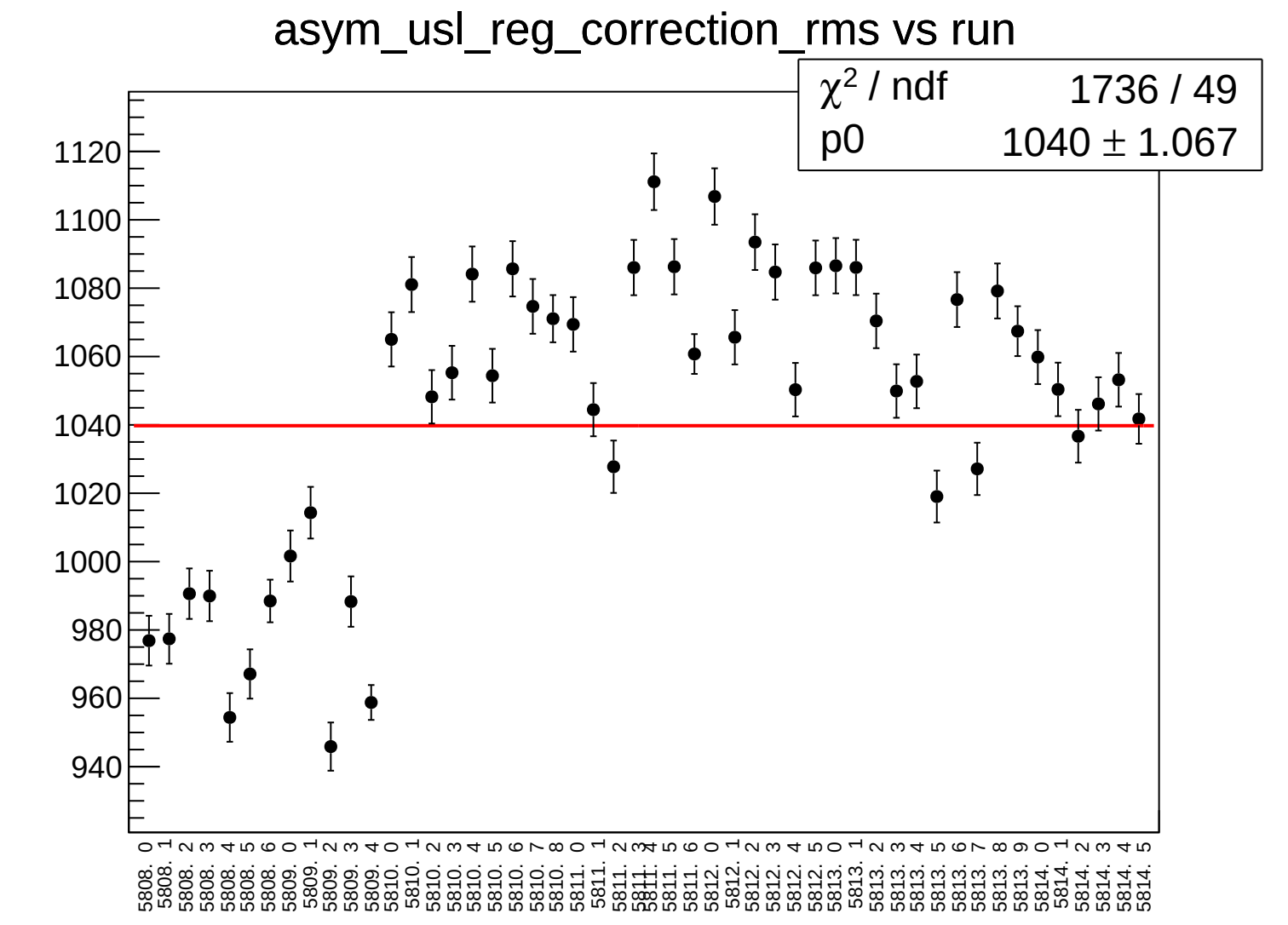
5814. 5


asym_usl_reg_correction_mean vs run
χ² / ndf 46.54 / 49
p0 3405 ± 1508
pull
Entries 50
Mean −36.78
Std Dev 0


pull1D
Entries 50
Mean −0.01594
Std Dev 0.9647


asym_usl_reg_correction_rms vs run
χ² / ndf 1736 / 49
p0 1040 ± 1.067
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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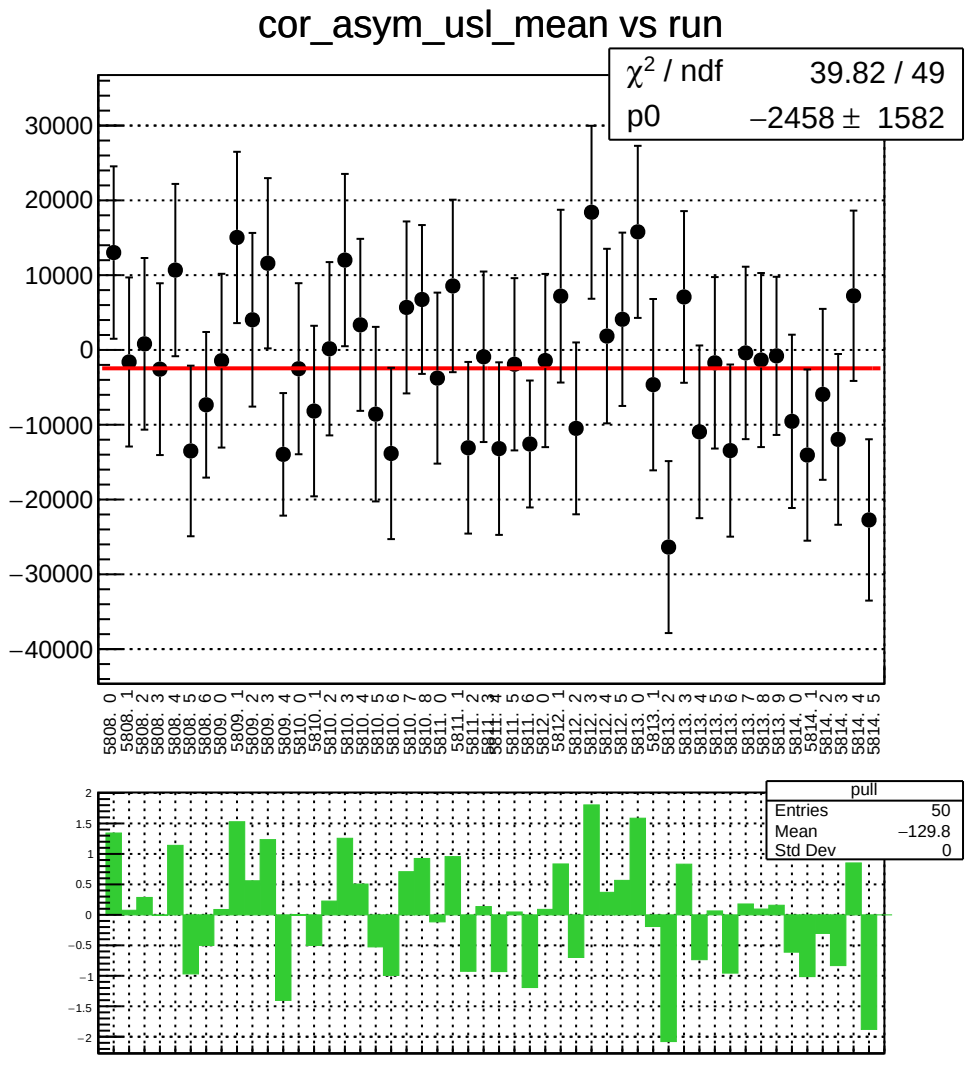
cor_asym_usl_mean vs run
χ² / ndf 39.82 / 49
p0 −2458 ± 1582
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5813. 1
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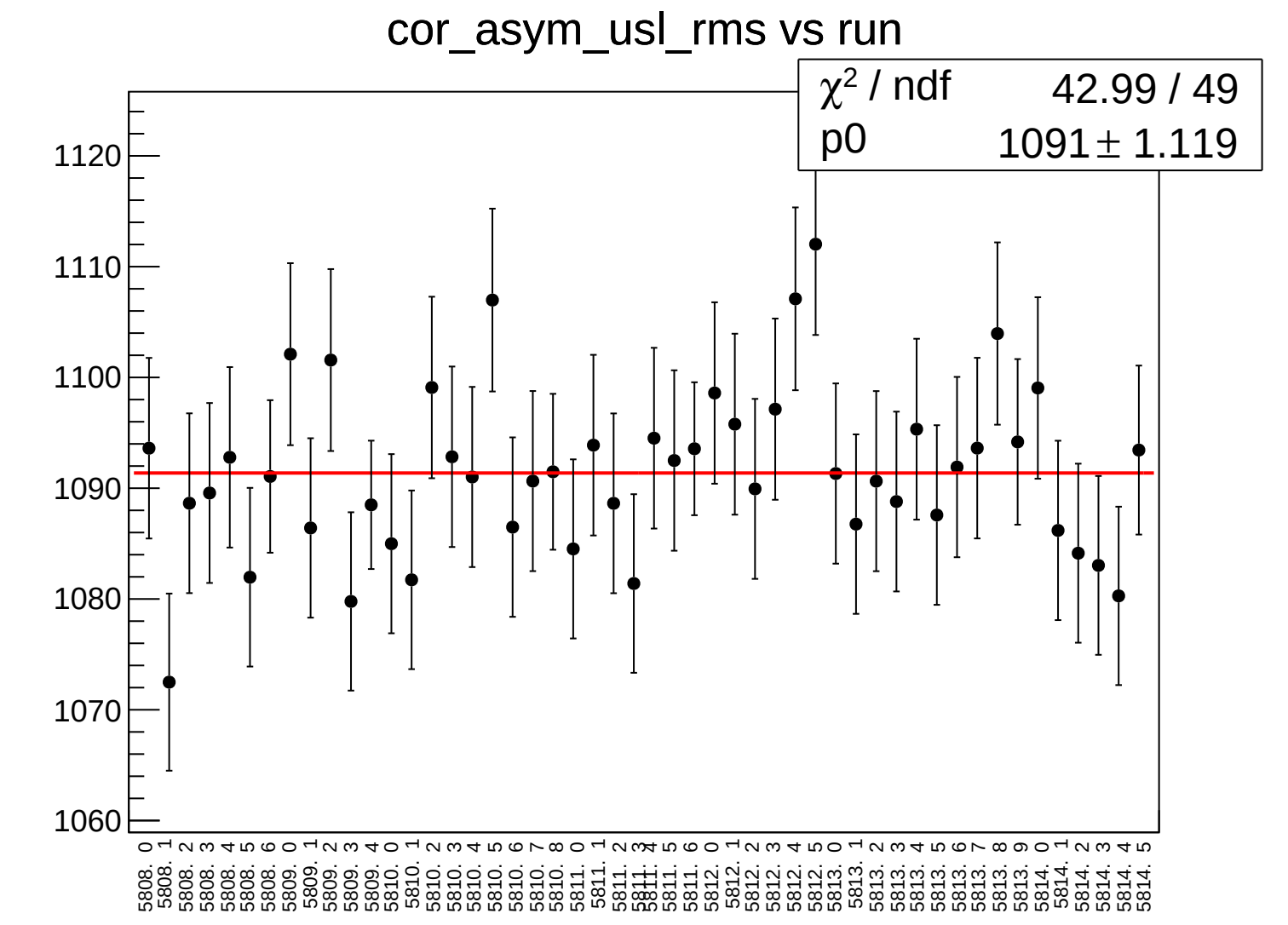
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −129.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02146
Std Dev 0.8921
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_rms vs run
χ^2 / ndf 42.99 / 49
p0 1091 ± 1.119
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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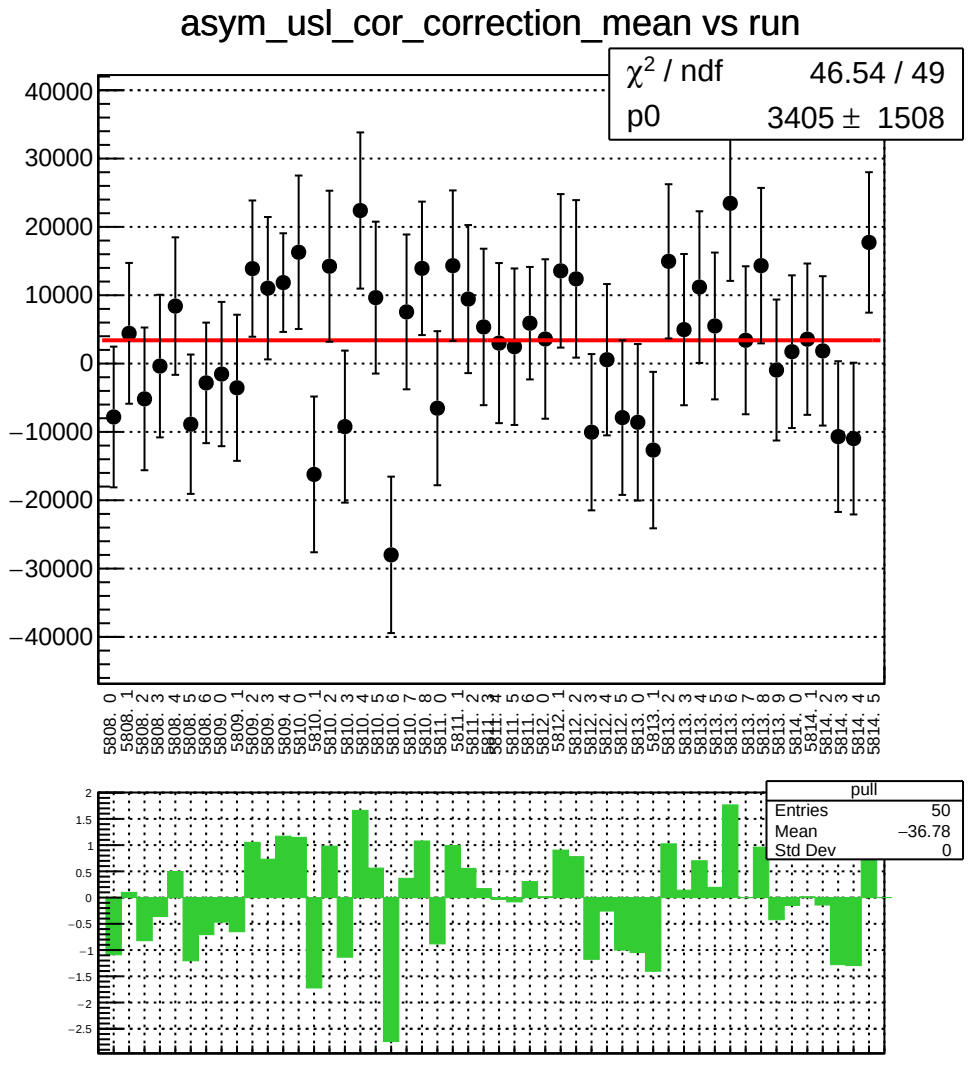
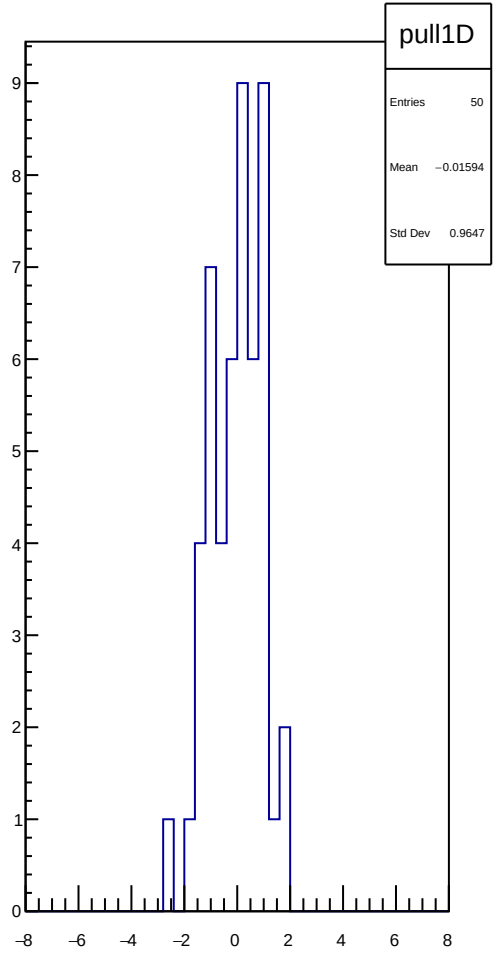
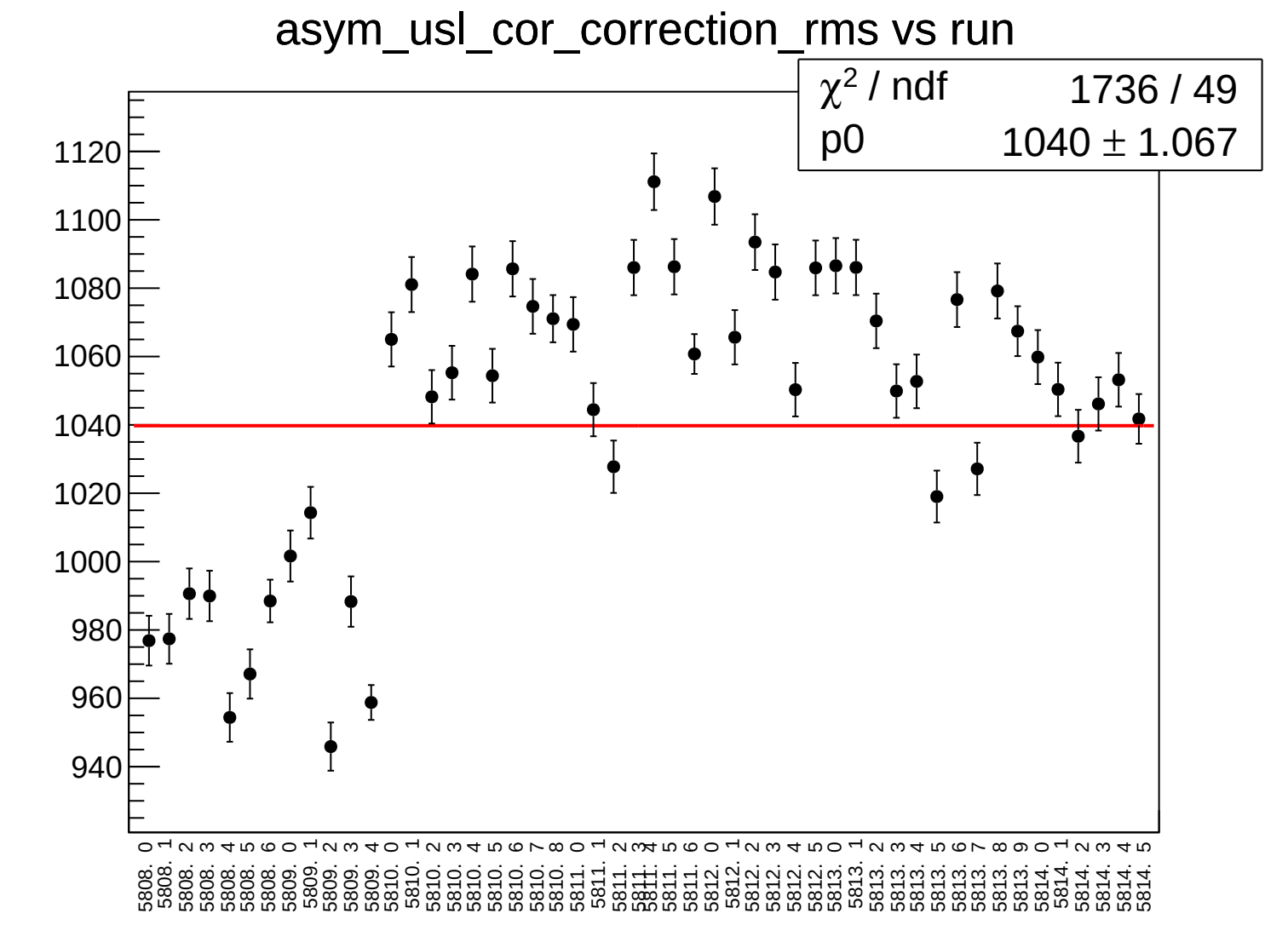
5814. 4
5814. 5


asym_usl_cor_correction_mean vs run
χ² / ndf 46.54 / 49
p0 3405 ± 1508
pull
Entries 50
Mean −36.78
Std Dev 0


pull1D
Entries 50
Mean −0.01594
Std Dev 0.9647


asym_usl_cor_correction_rms vs run
χ² / ndf 1736 / 49
p0 1040 ± 1.067
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
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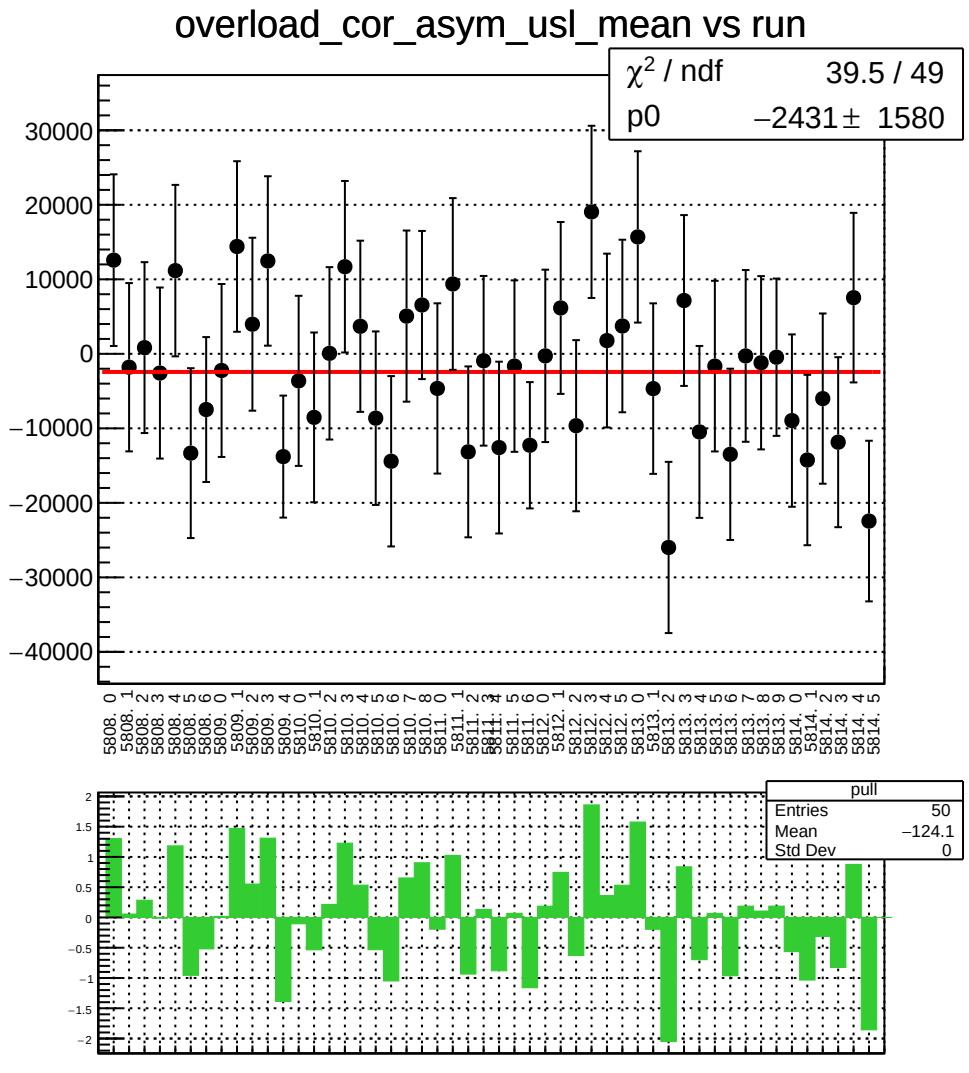
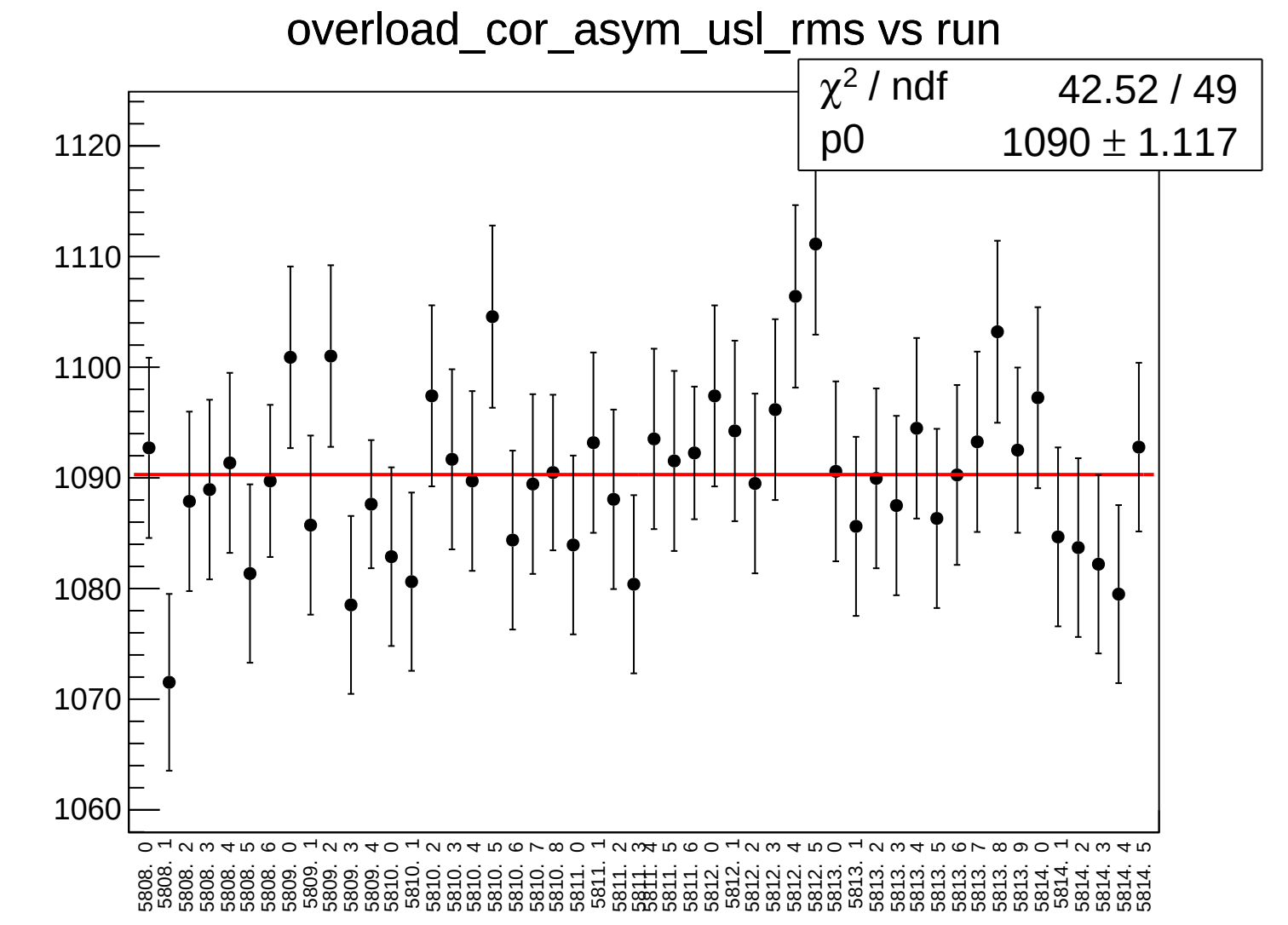
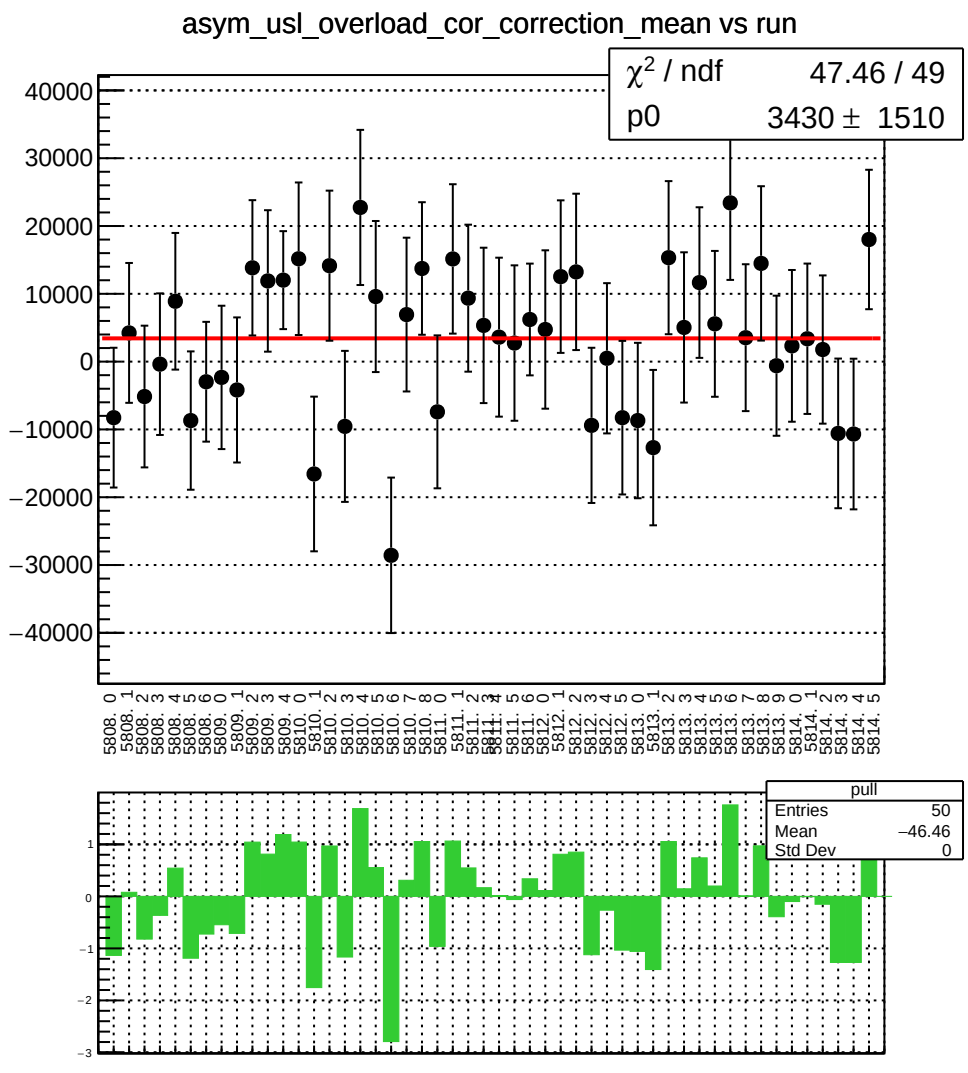
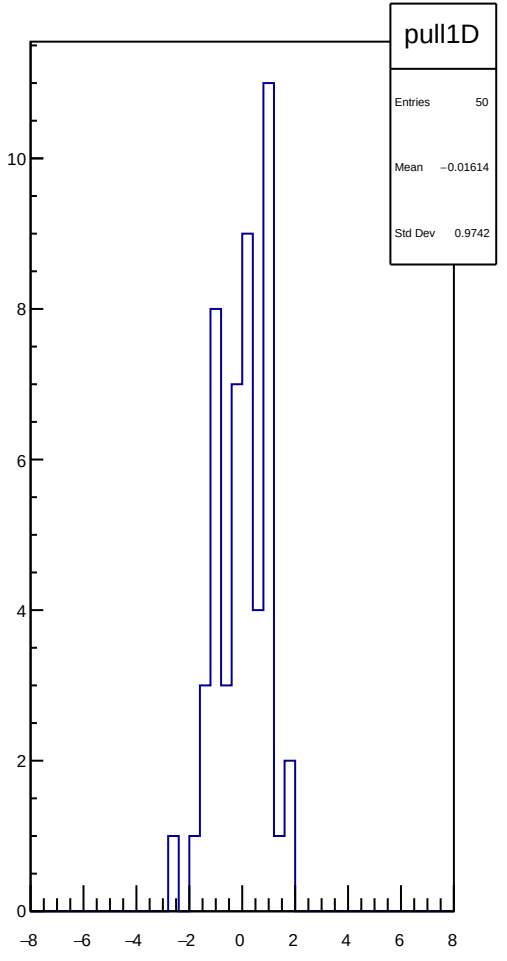
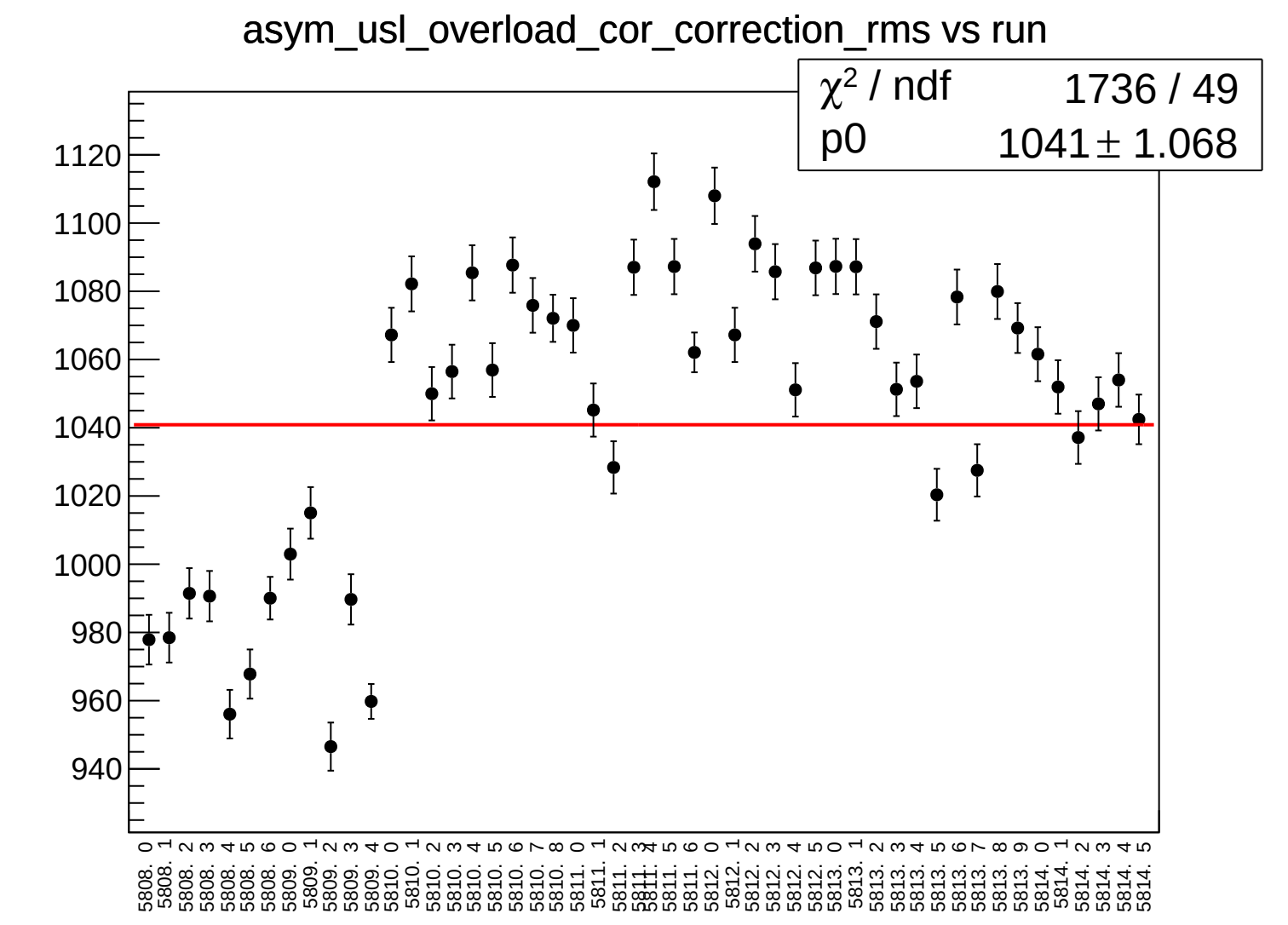
5814. 5

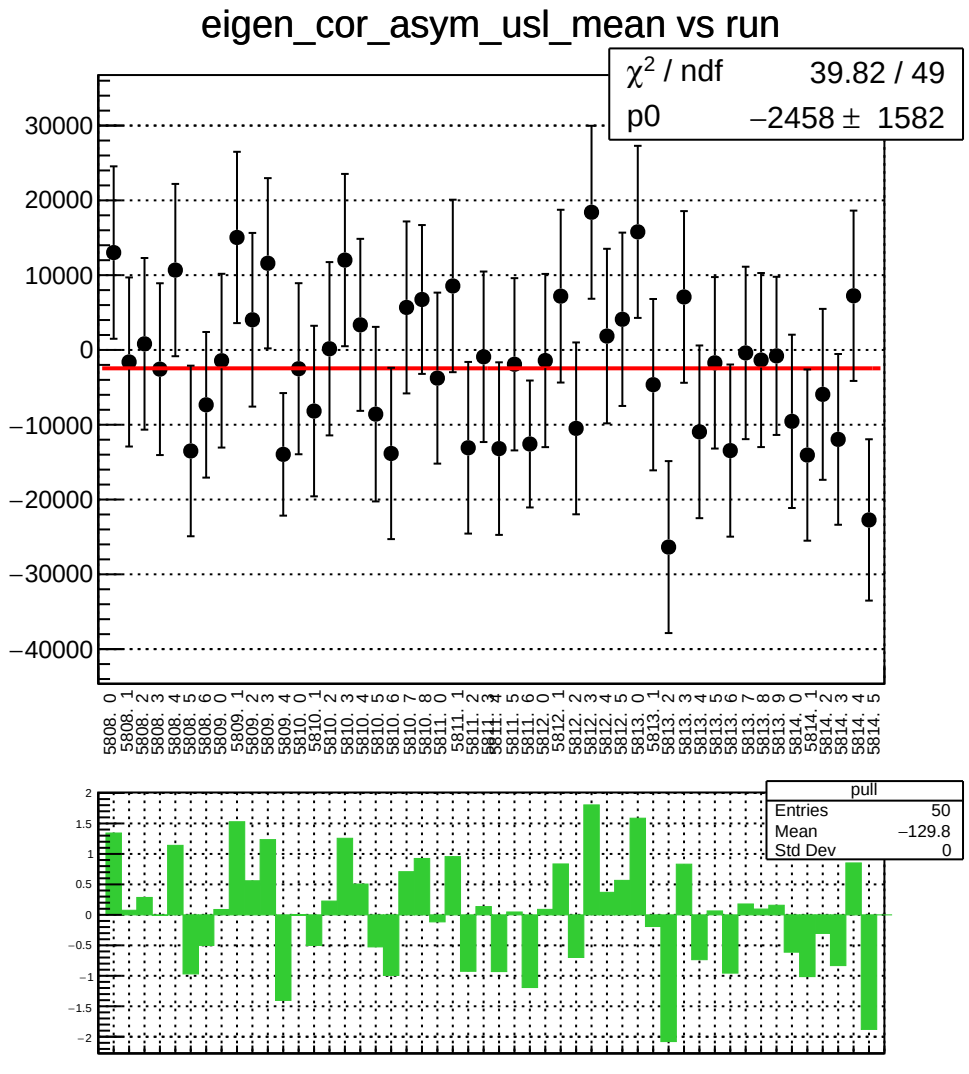

overload_cor_asym_usl_mean vs run
χ² / ndf 39.5 / 49
p0 −2431 ± 1580
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −124.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02121
Std Dev 0.8886
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

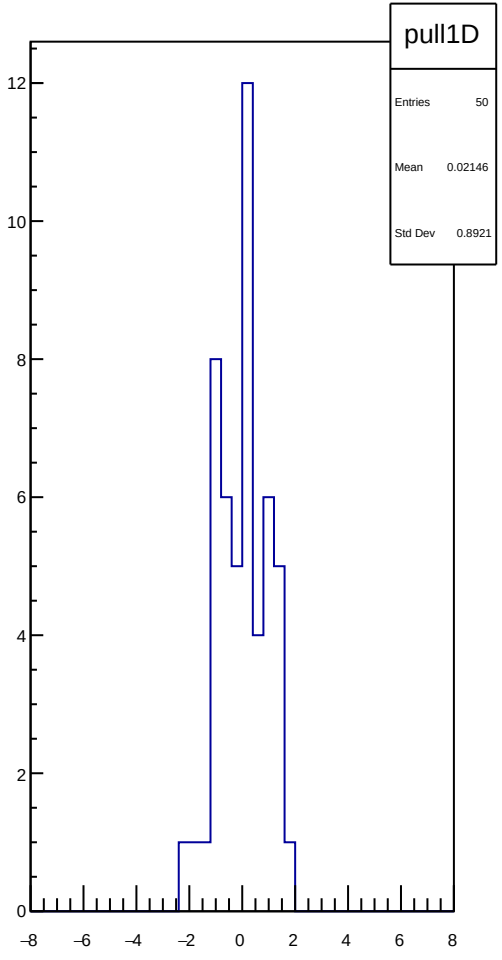

overload_cor_asym_usl_rms vs run
χ² / ndf 42.52 / 49
p0 1090 ± 1.117
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

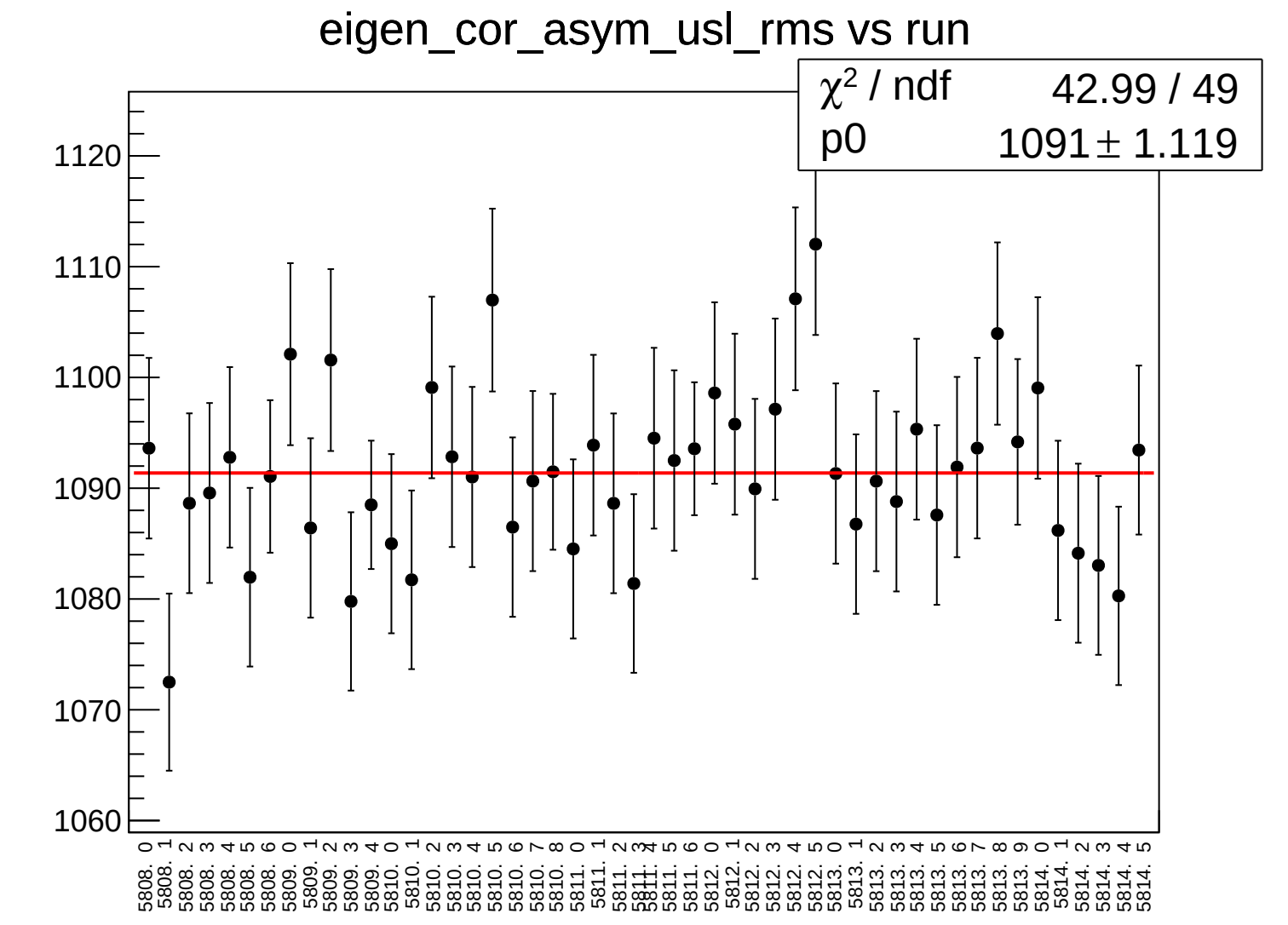

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 47.46 / 49
p0 3430 ± 1510
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −46.46
Std Dev 0
1
0
−1
−2
−3

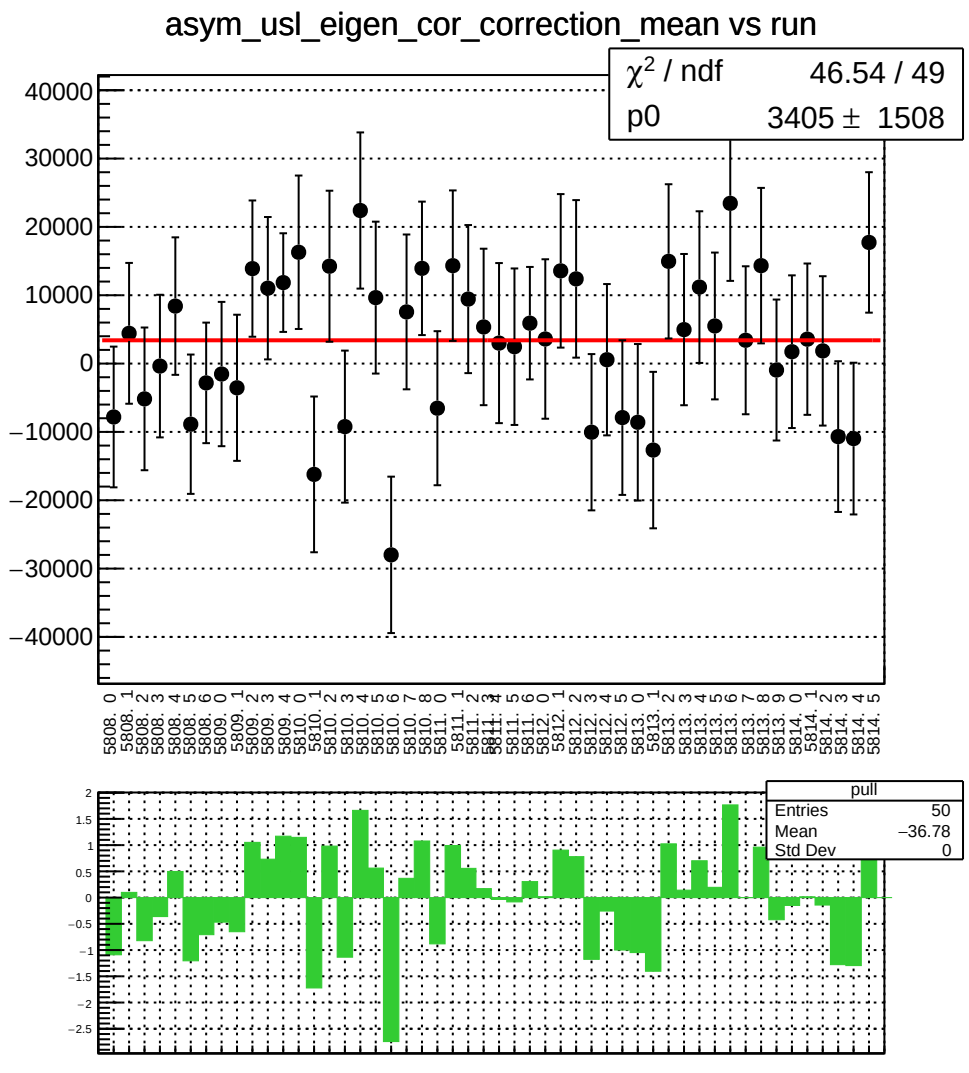

pull1D
Entries 50
Mean −0.01614
Std Dev 0.9742
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

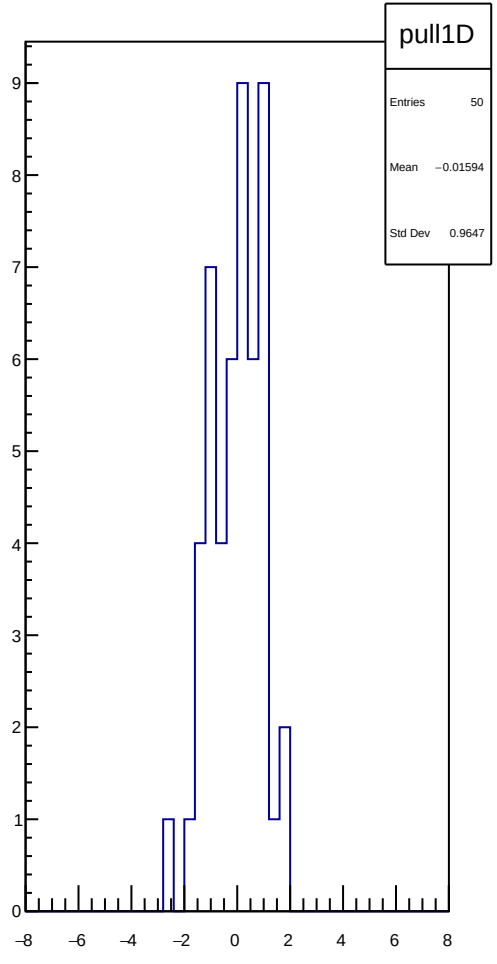

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 1736 / 49
p0 1041 ± 1.068
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

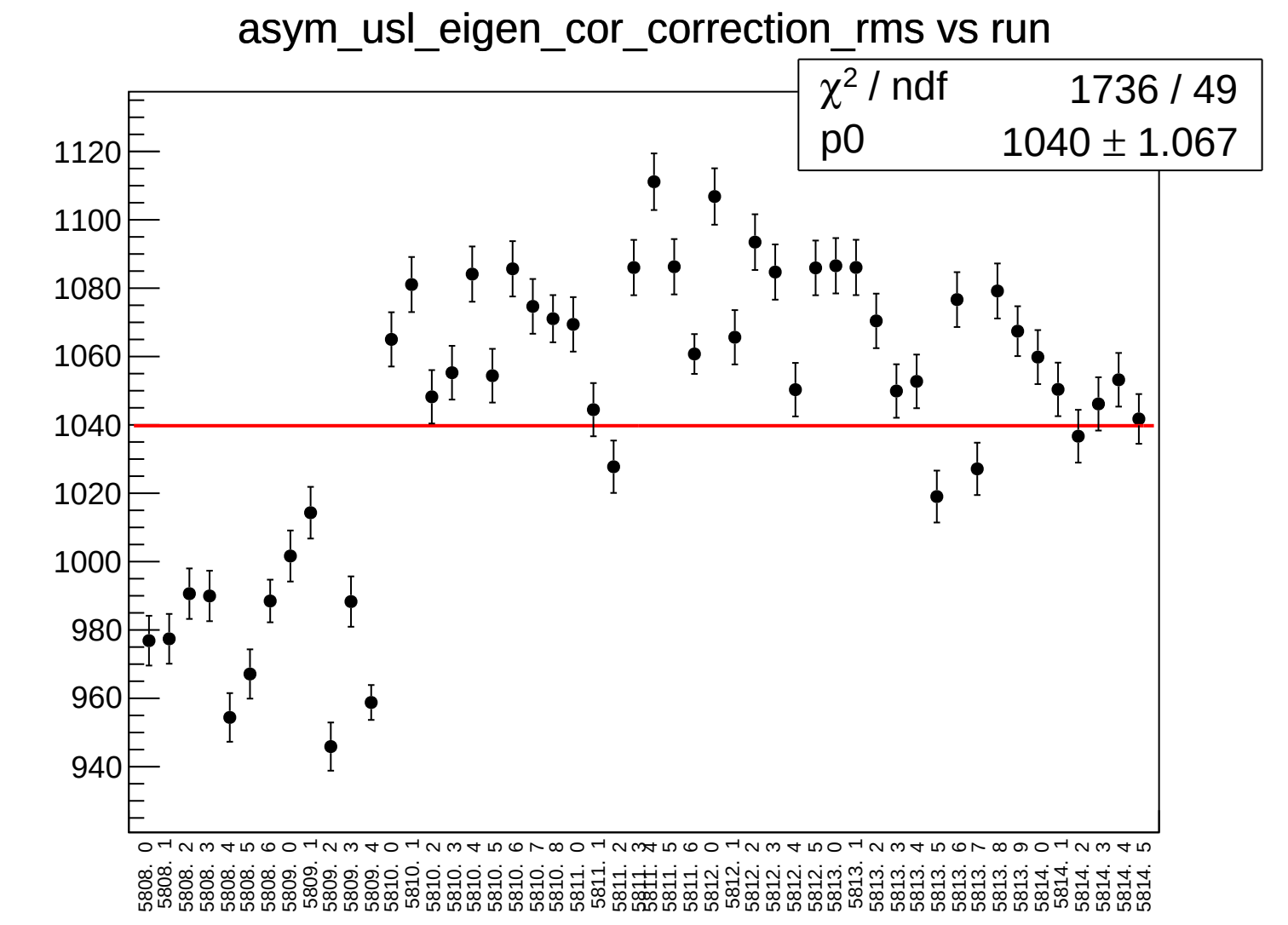

eigen_cor_asym_usl_mean vs run
χ² / ndf 39.82 / 49
p0 −2458 ± 1582
pull
Entries 50
Mean −129.8
Std Dev 0

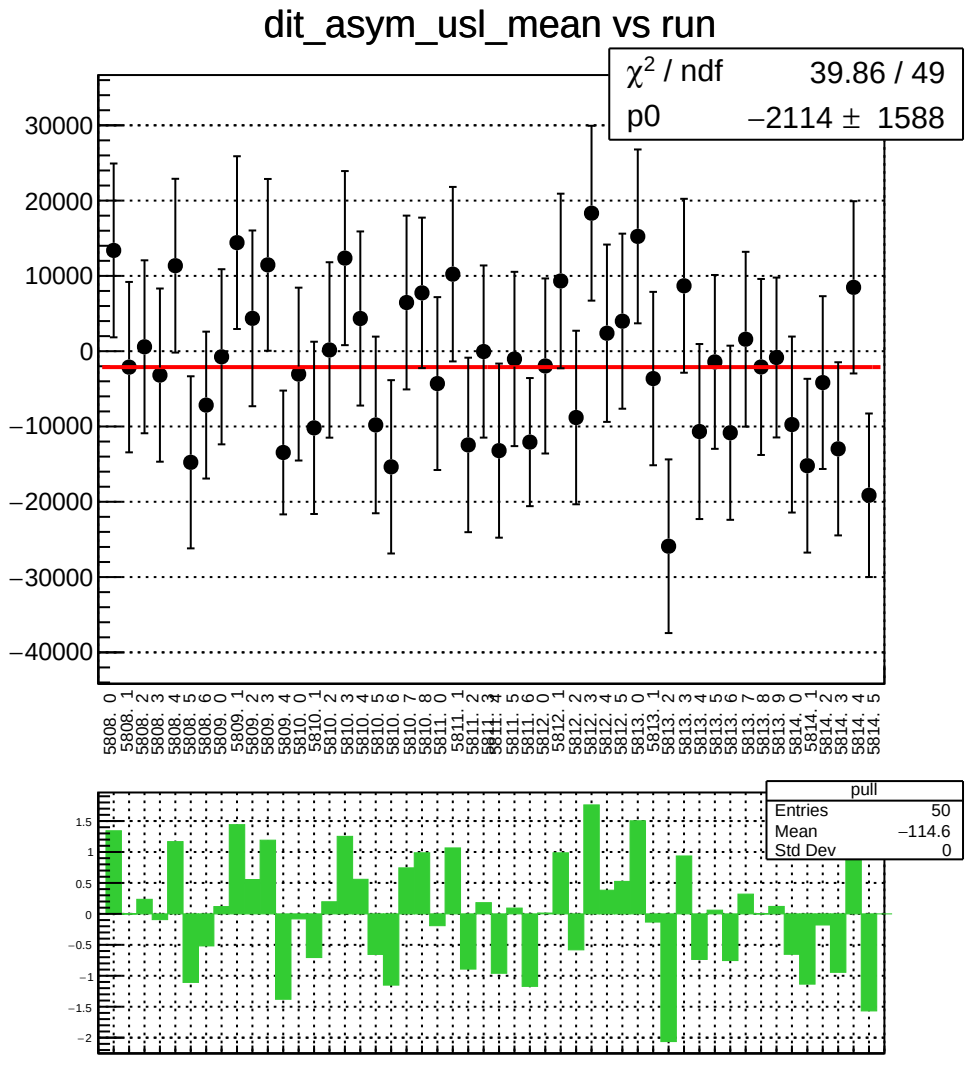

pull1D
Entries 50
Mean 0.02146
Std Dev 0.8921

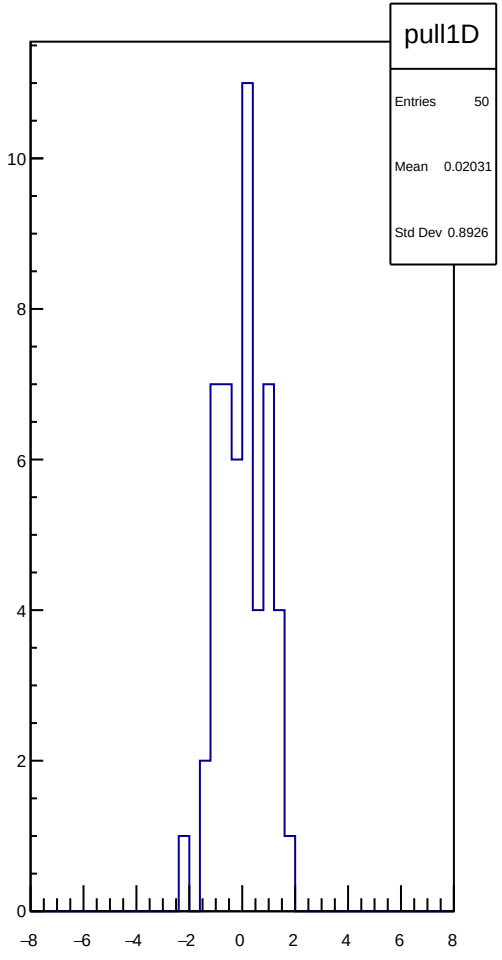

eigen_cor_asym_usl_rms vs run
χ² / ndf 42.99 / 49
p0 1091 ± 1.119
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

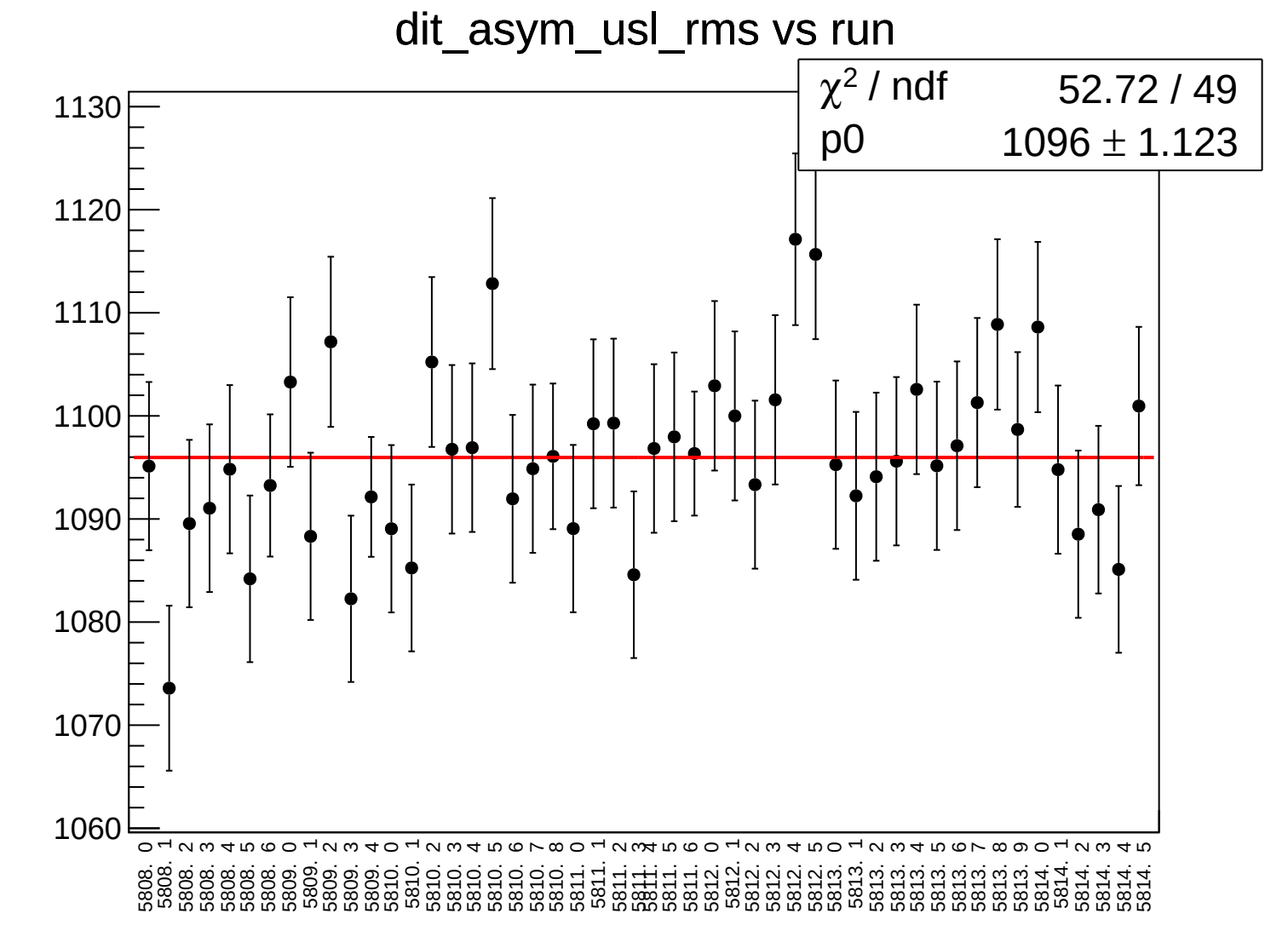

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 46.54 / 49
p0 3405 ± 1508
pull
Entries 50
Mean −36.78
Std Dev 0

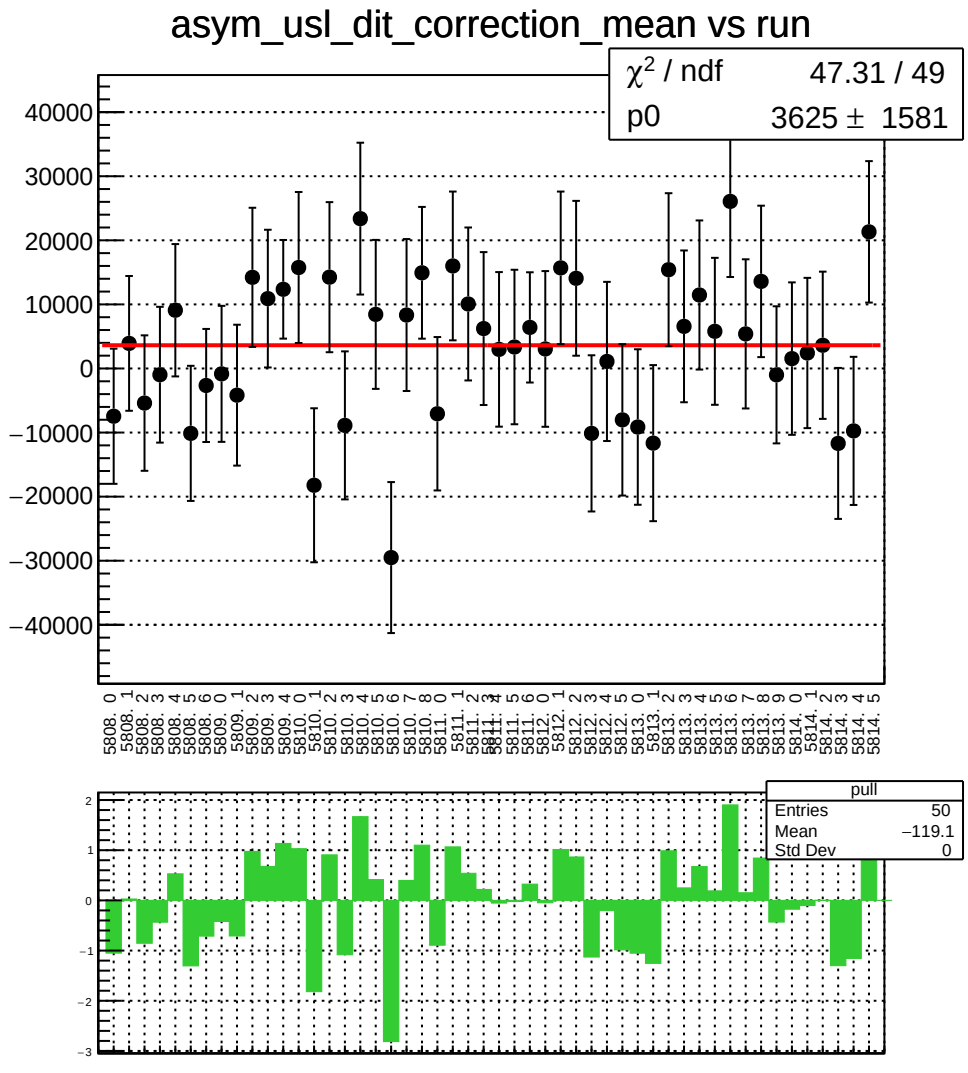

pull1D
Entries 50
Mean −0.01594
Std Dev 0.9647

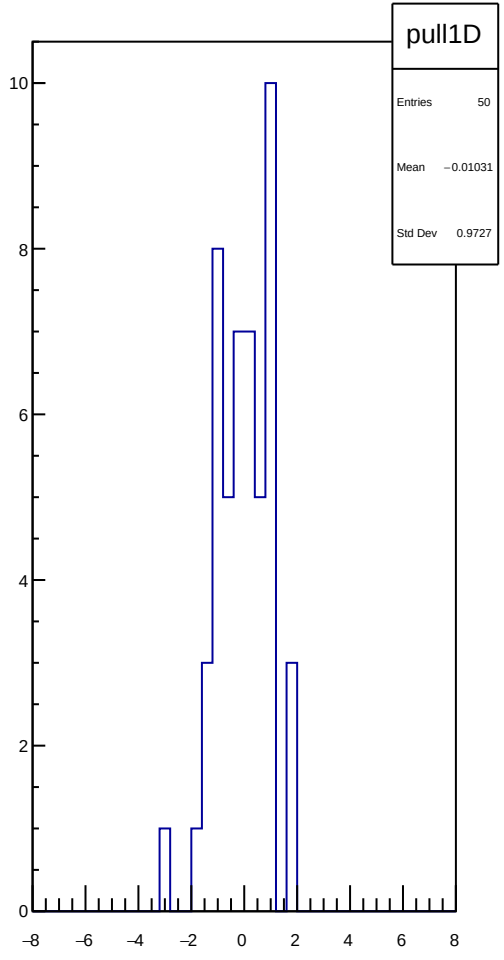

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 1736 / 49
p0 1040 ± 1.067
1120
1100
1080
1060
1040
1020
1000
980
960
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

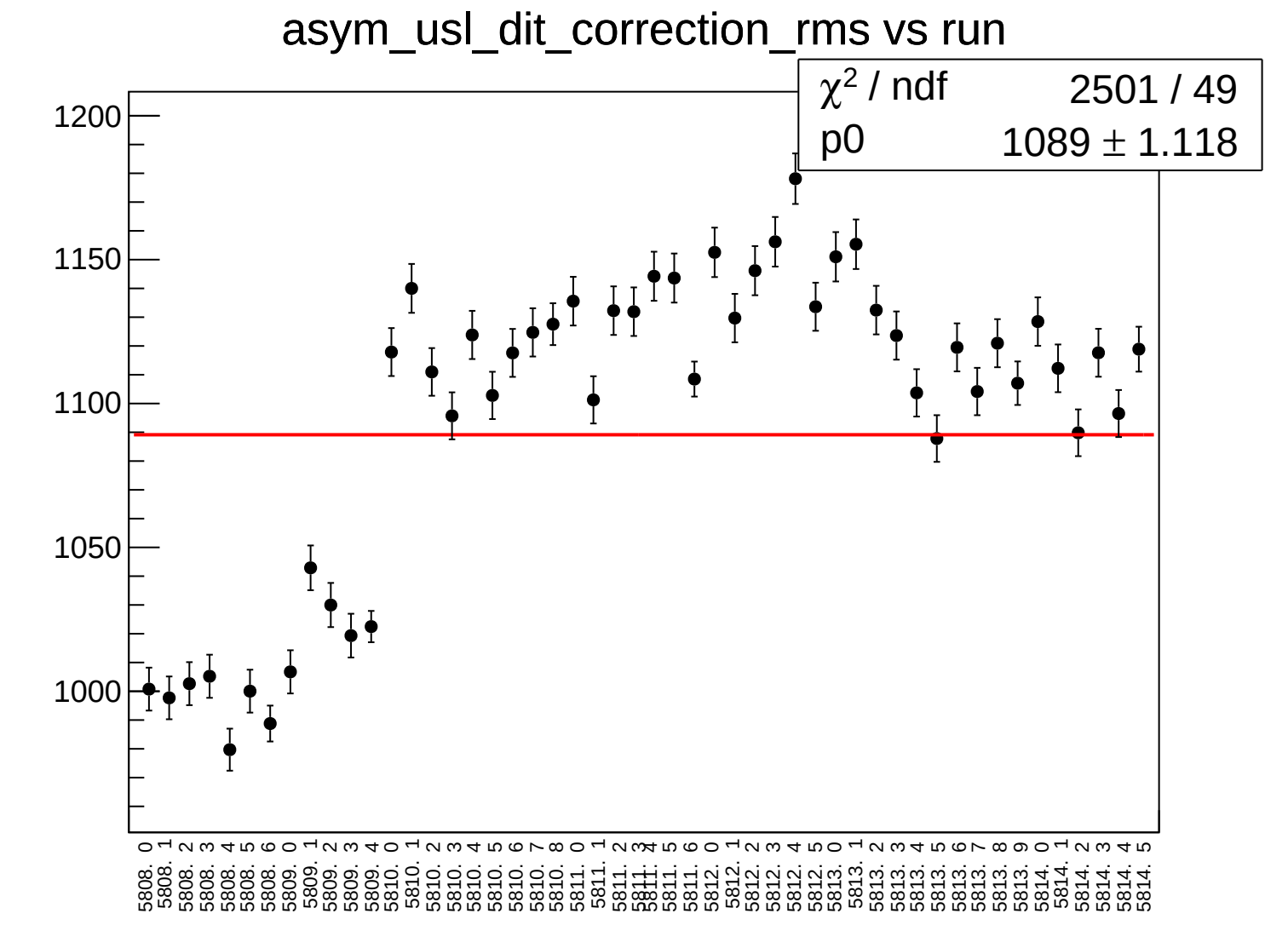

dit_asym_usl_mean vs run
χ² / ndf 39.86 / 49
p0 −2114 ± 1588
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −114.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

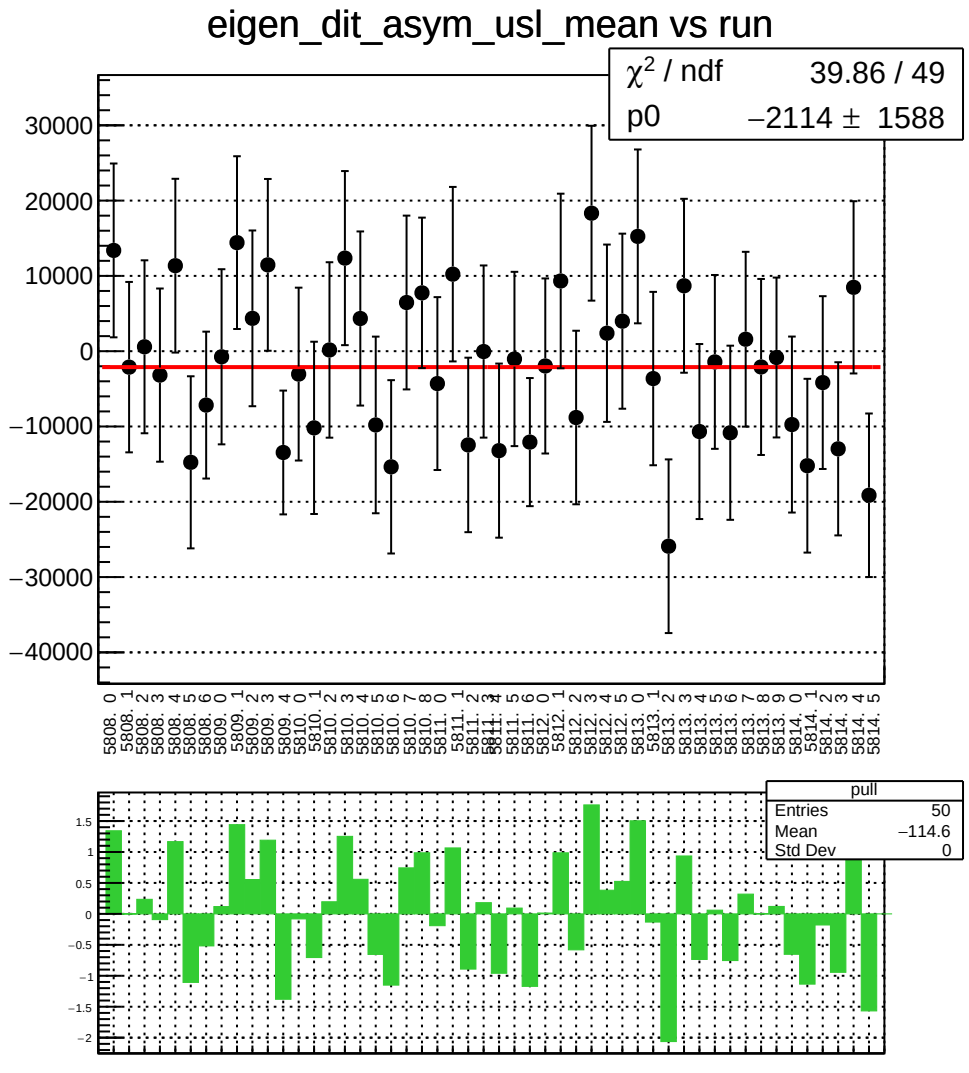

pull1D
Entries 50
Mean 0.02031
Std Dev 0.8926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

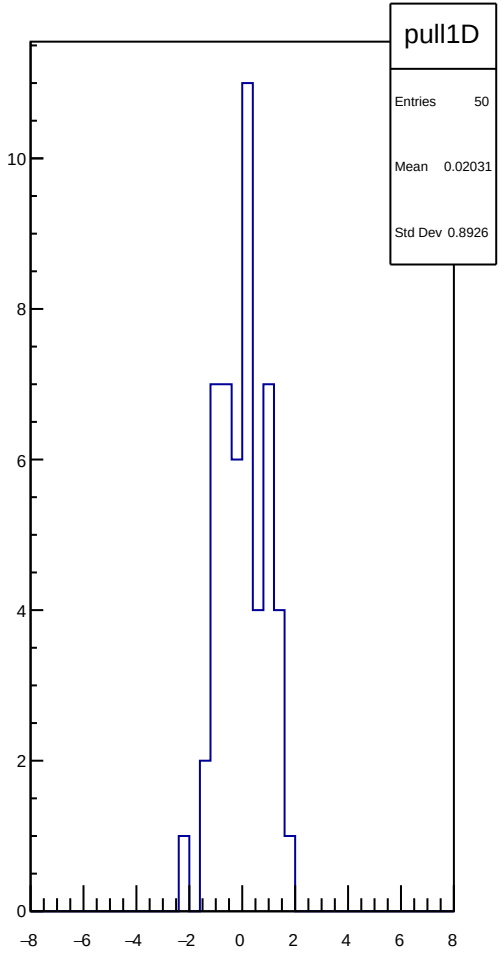

dit_asym_usl_rms vs run
χ² / ndf 52.72 / 49
p0 1096 ± 1.123
1130
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

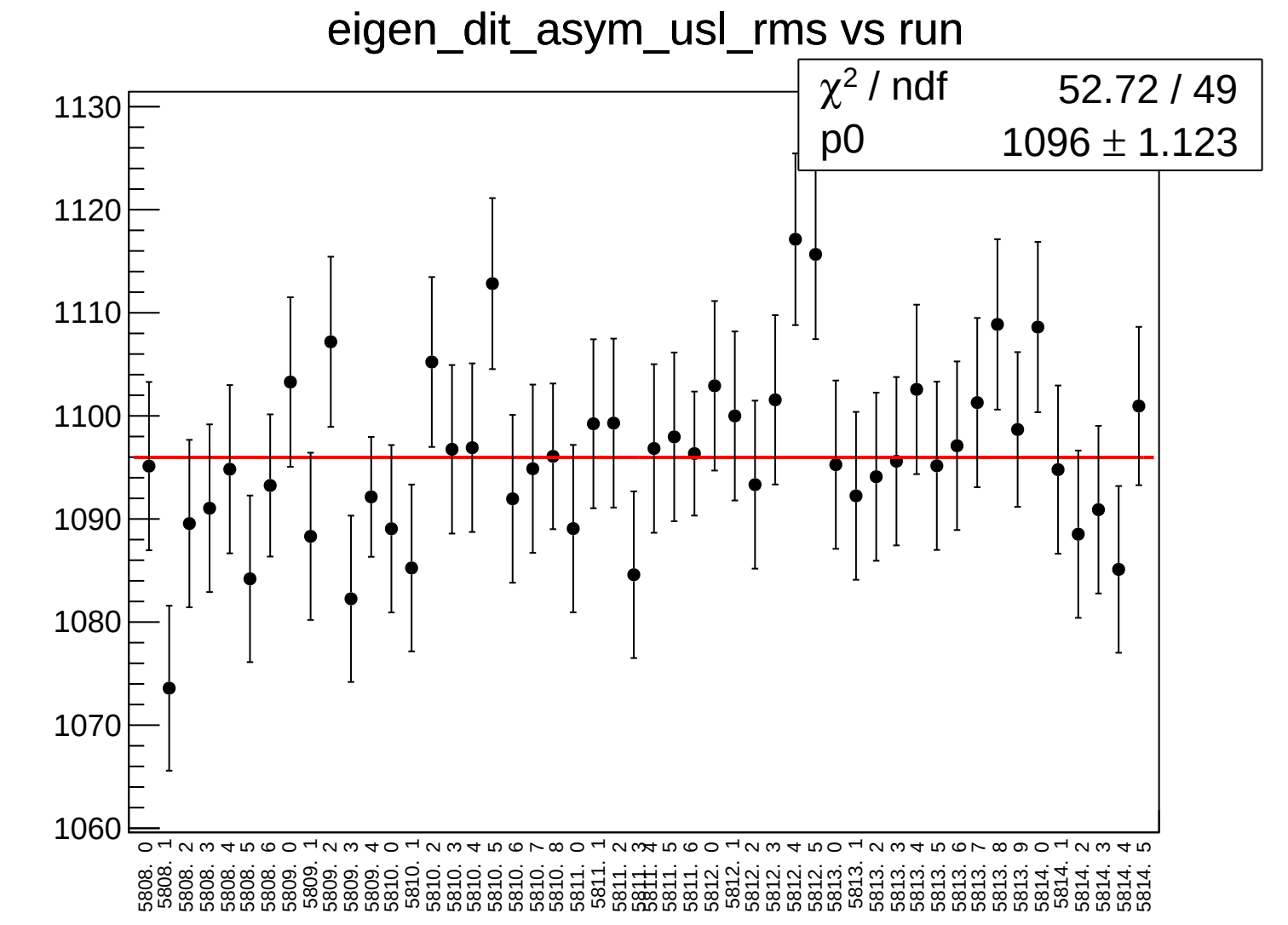

asym_usl_dit_correction_mean vs run
χ² / ndf 47.31 / 49
p0 3625 ± 1581
pull
Entries 50
Mean −119.1
Std Dev 0

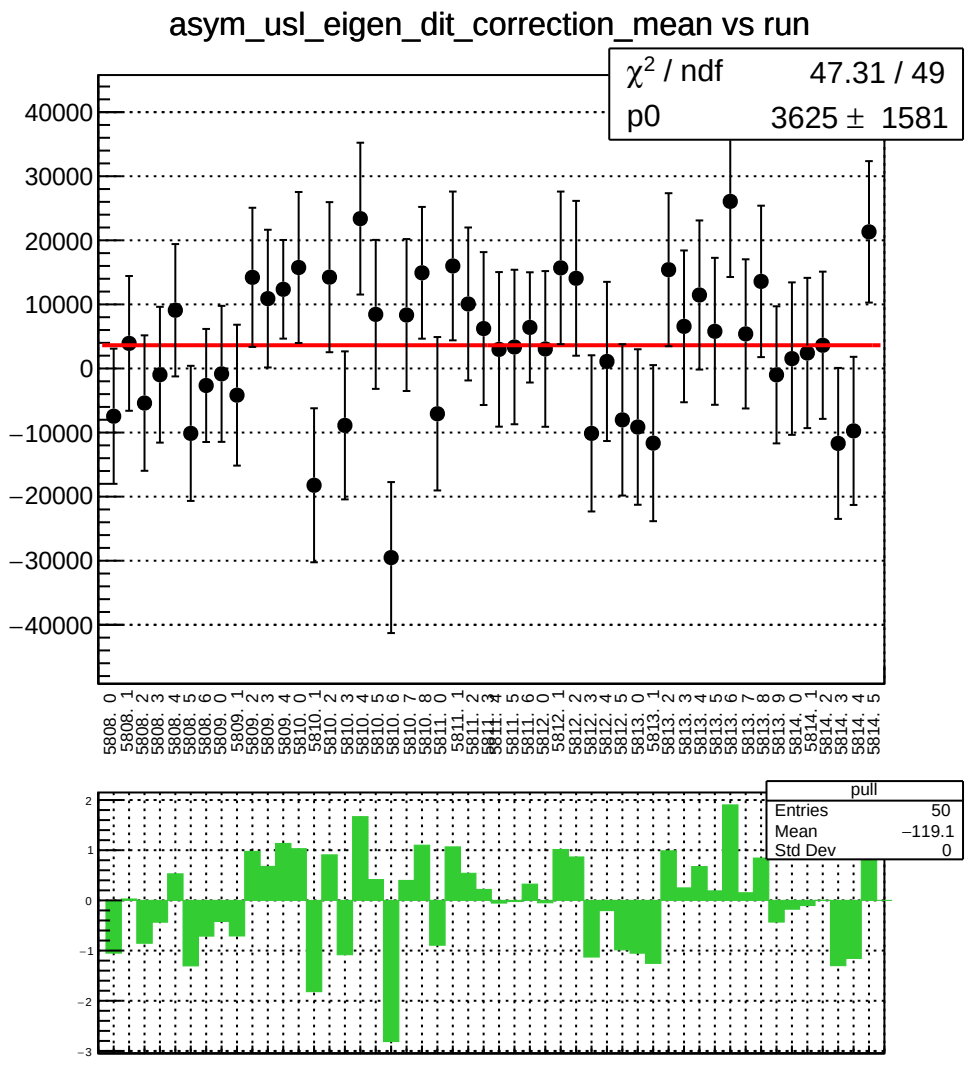

pull1D
Entries 50
Mean −0.01031
Std Dev 0.9727

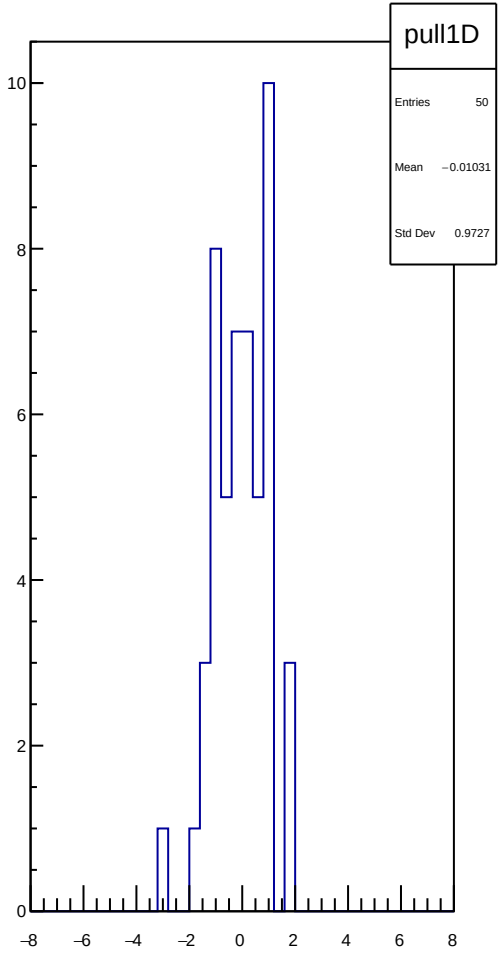

asym_usl_dit_correction_rms vs run
χ² / ndf 2501 / 49
p0 1089 ± 1.118
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

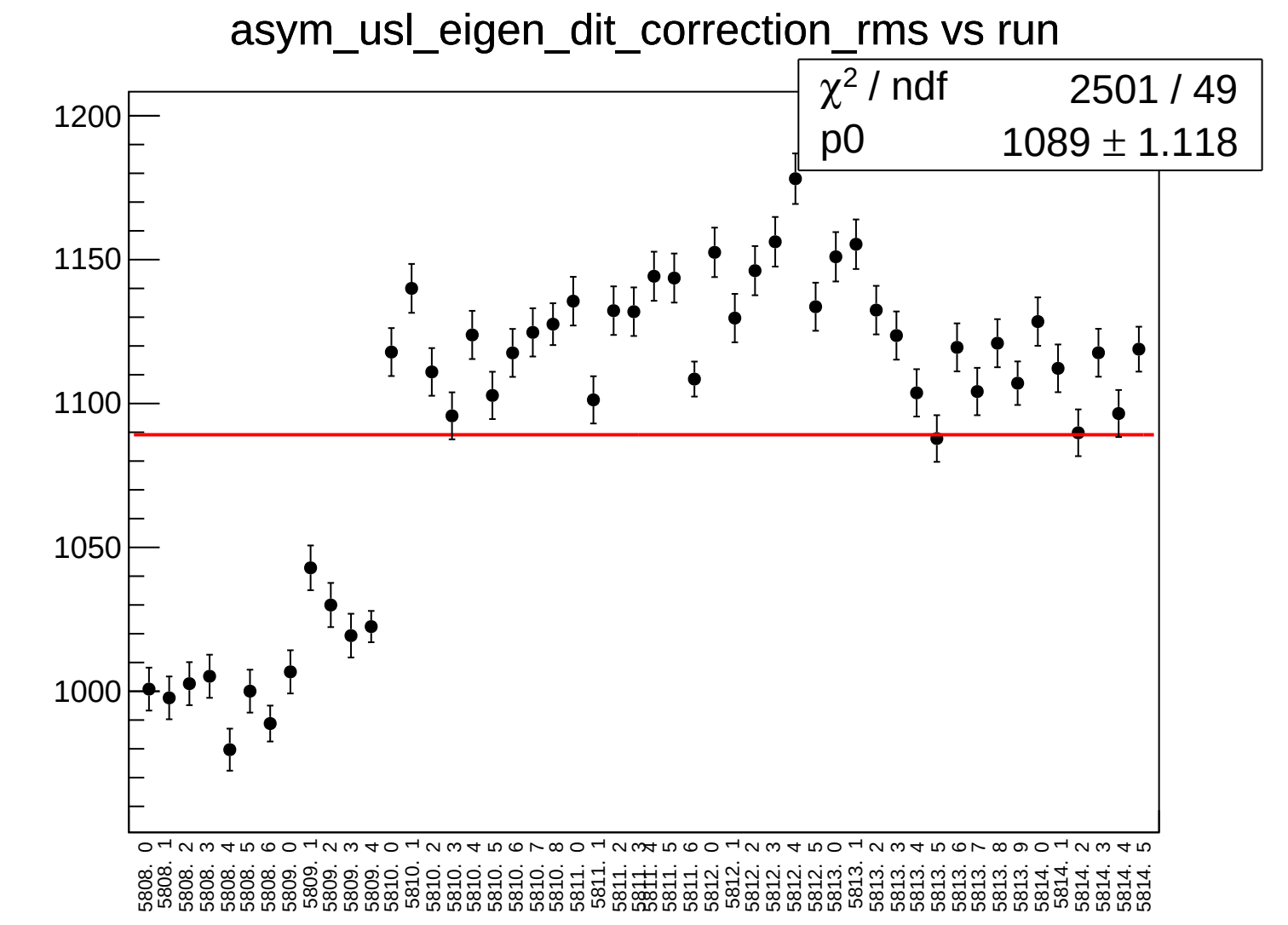

eigen_dit_asym_usl_mean vs run
χ² / ndf 39.86 / 49
p0 −2114 ± 1588
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −114.6
Std Dev 0

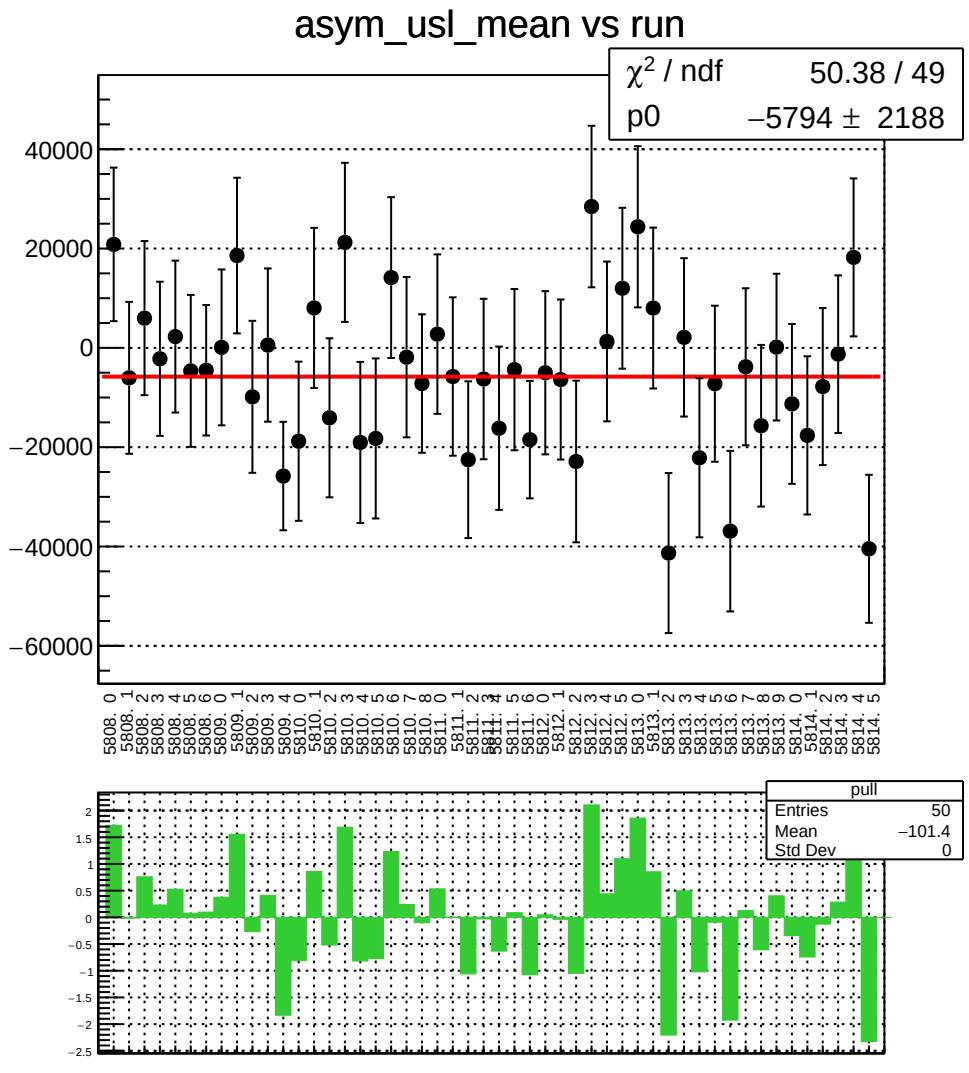

pull1D
Entries 50
Mean 0.02031
Std Dev 0.8926
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_rms vs run
χ² / ndf 52.72 / 49
p0 1096 ± 1.123
1130
1120
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 47.31 / 49
p0 3625 ± 1581
pull
Entries 50
Mean −119.1
Std Dev 0


pull1D
Entries 50
Mean −0.01031
Std Dev 0.9727


asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 2501 / 49
p0 1089 ± 1.118
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_mean vs run
χ² / ndf 50.38 / 49
p0 −5794 ± 2188
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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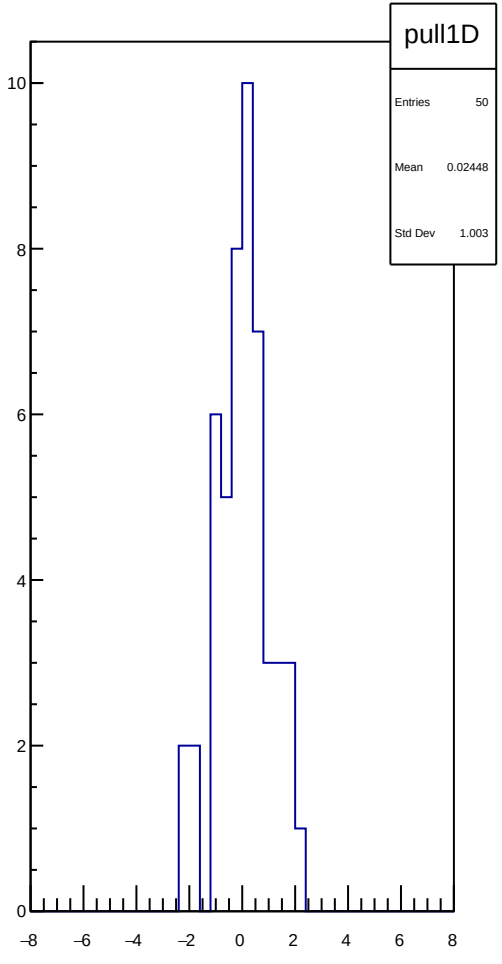
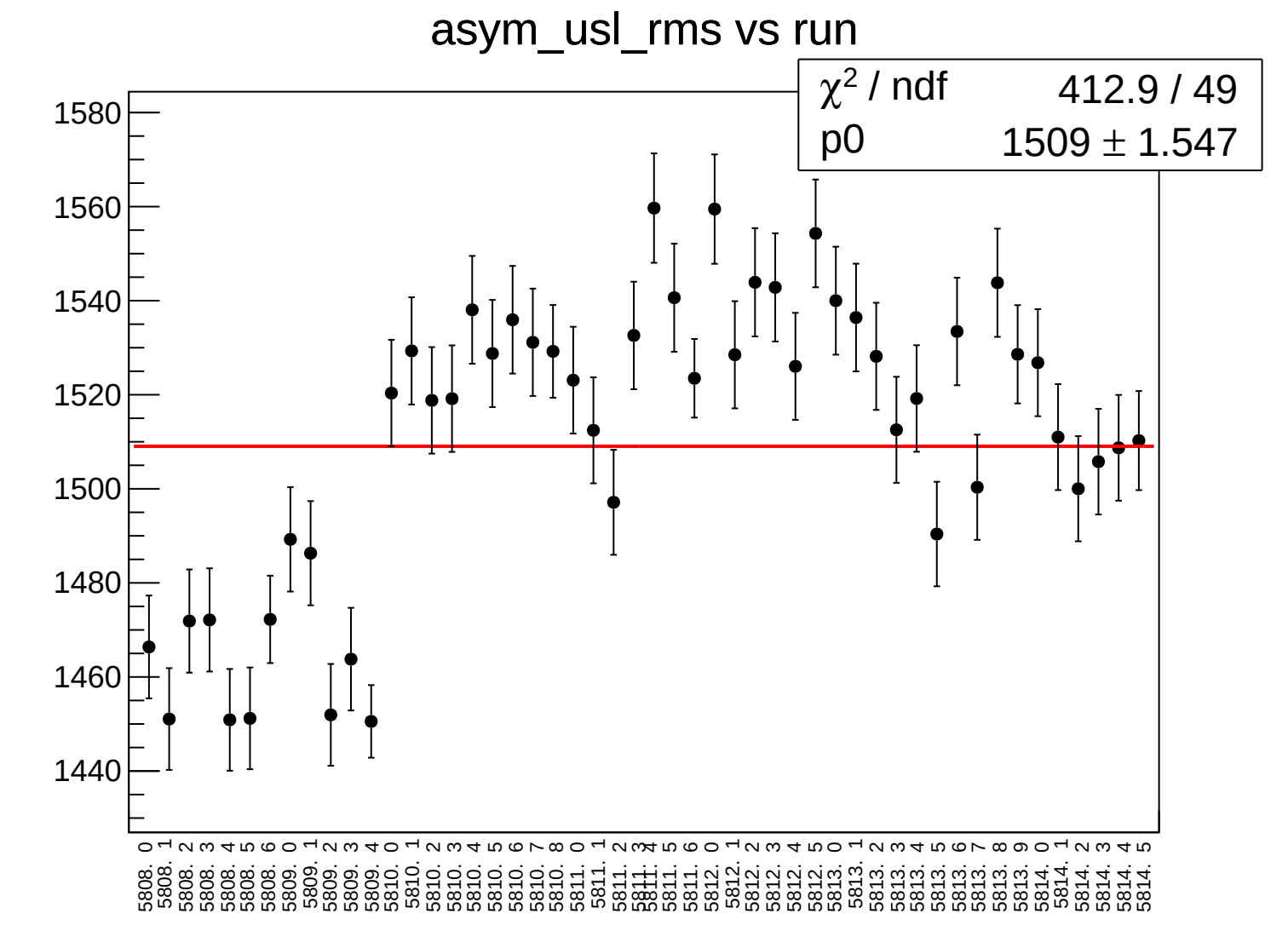
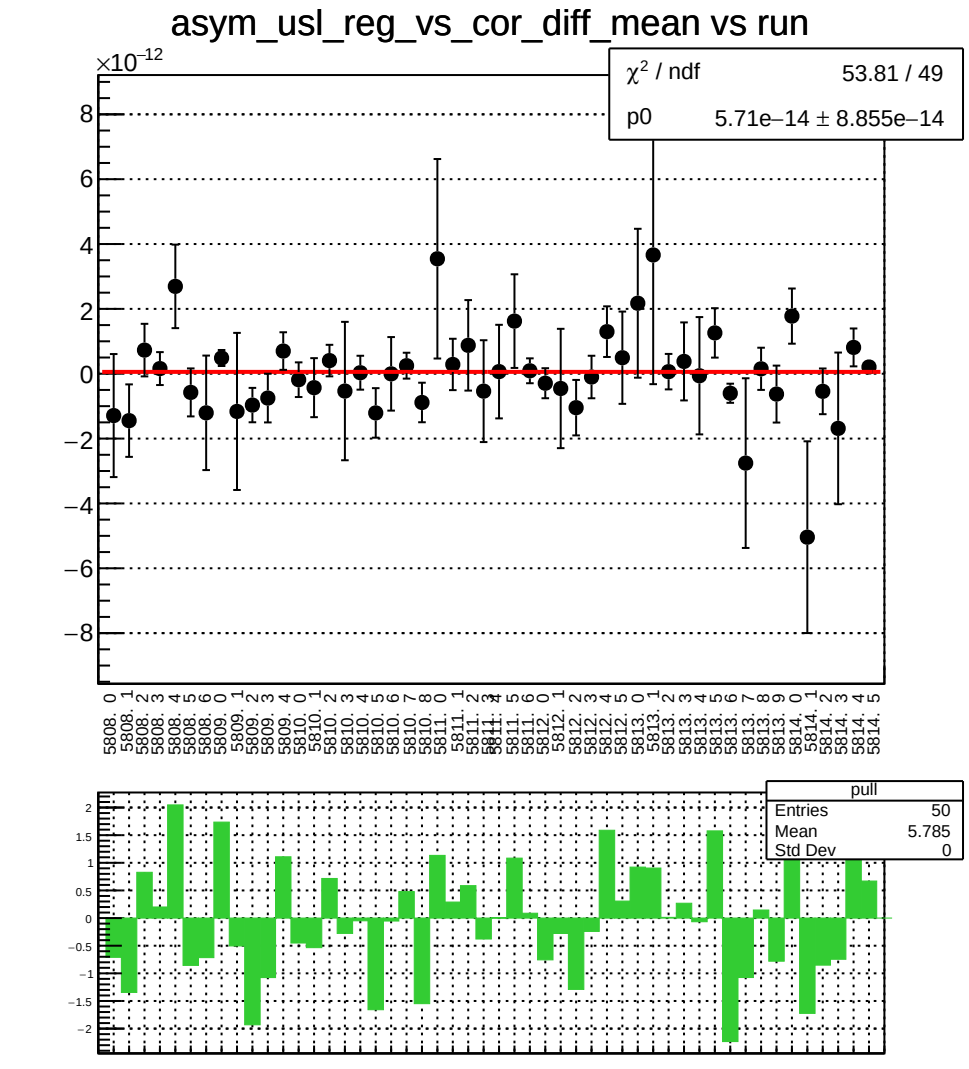
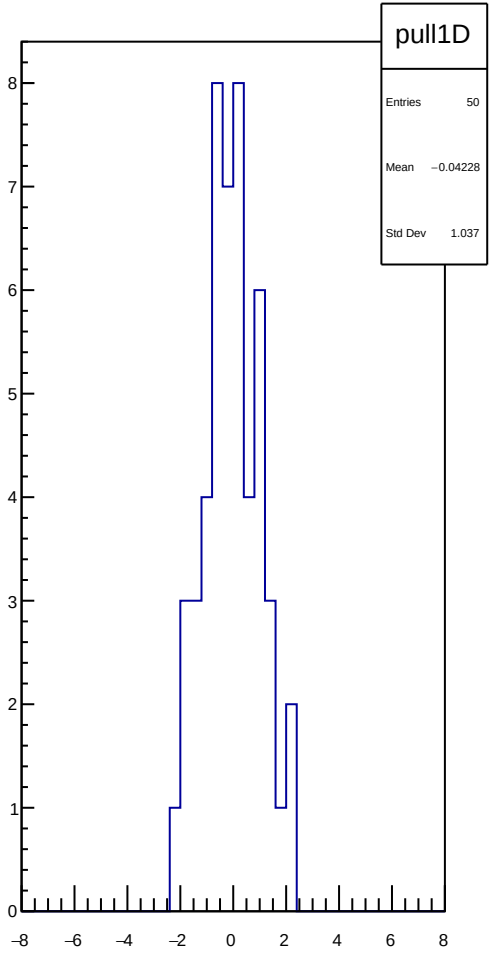
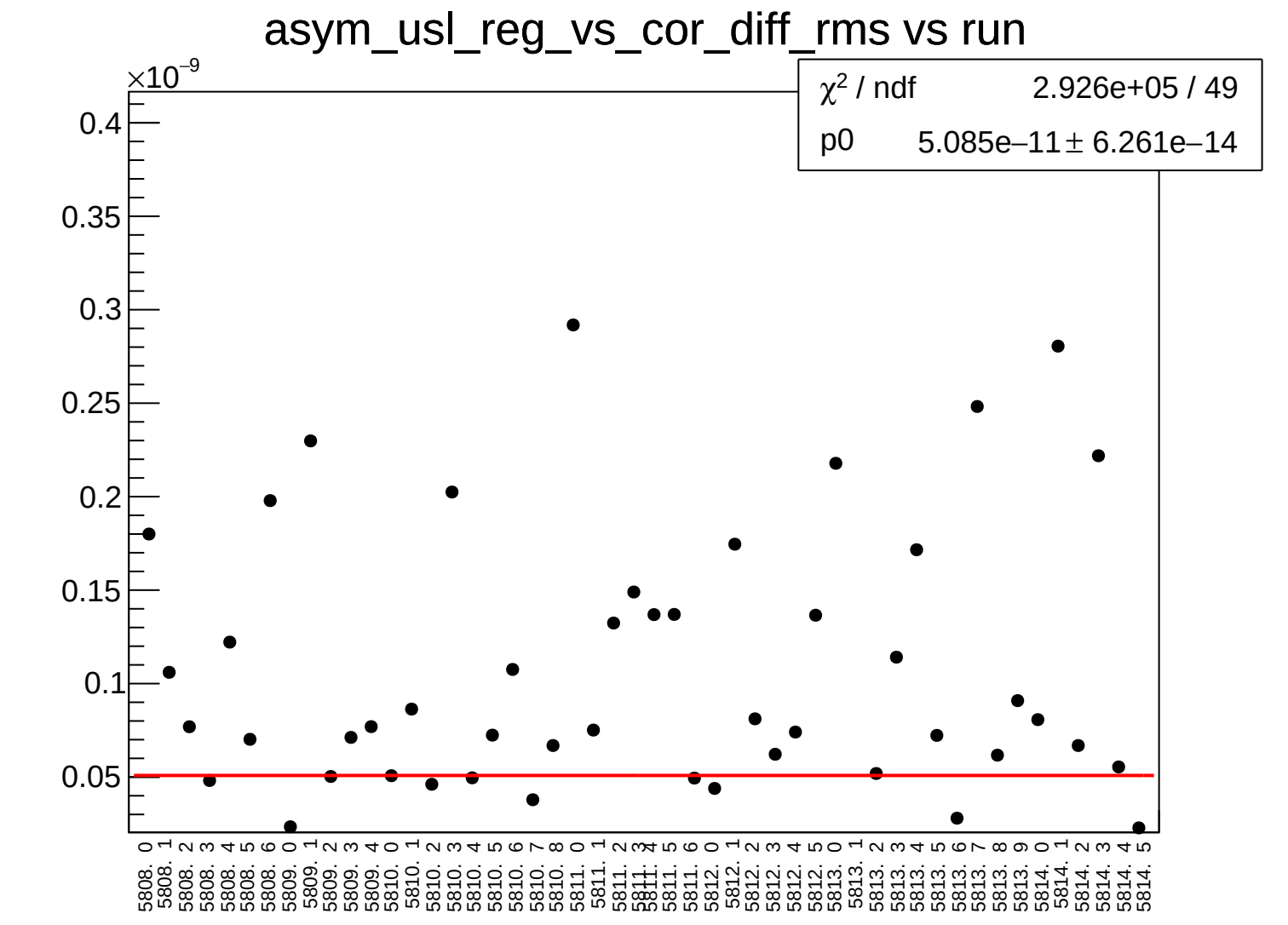
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −101.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

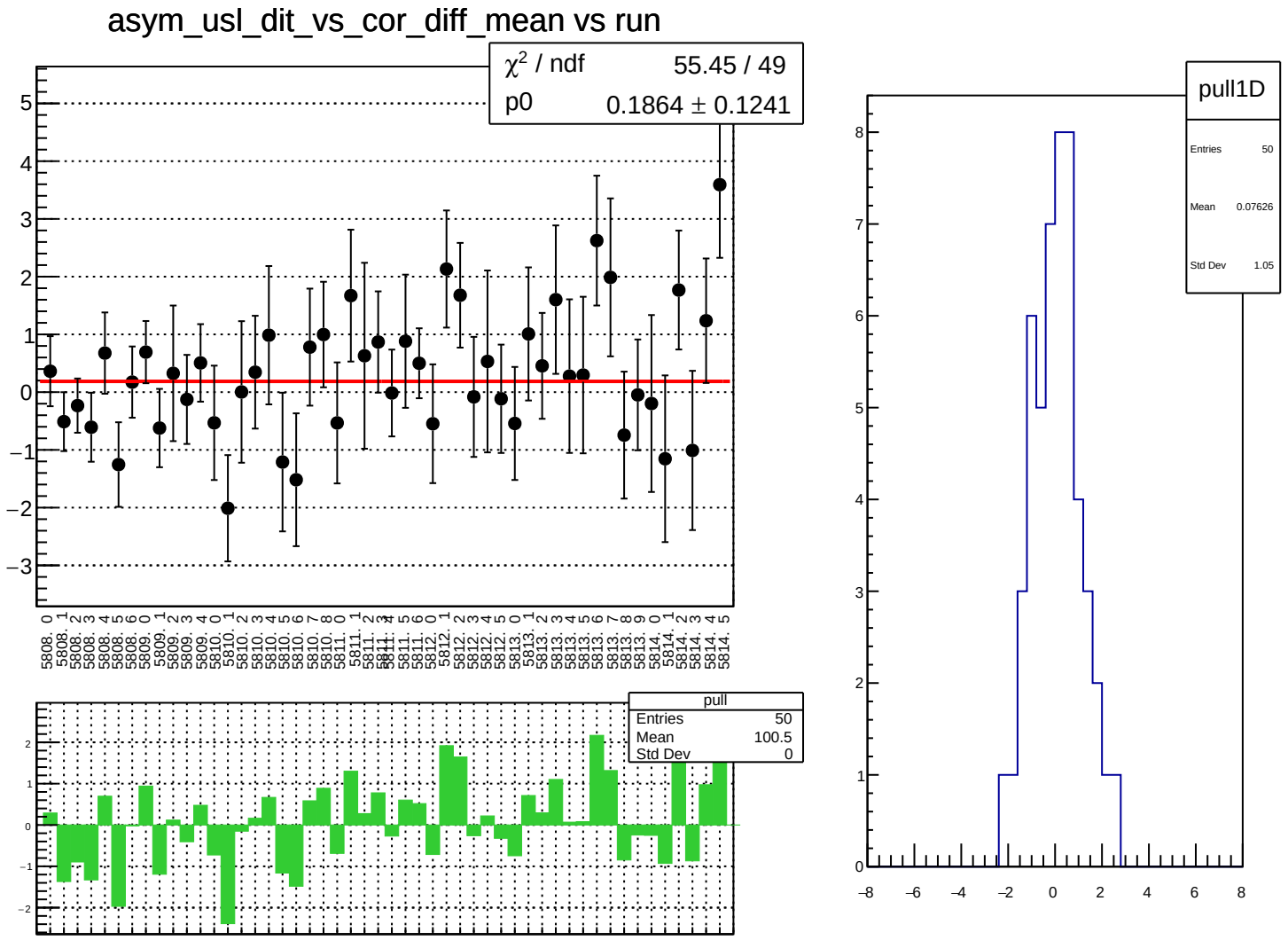

pull1D
Entries 50
Mean 0.02448
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

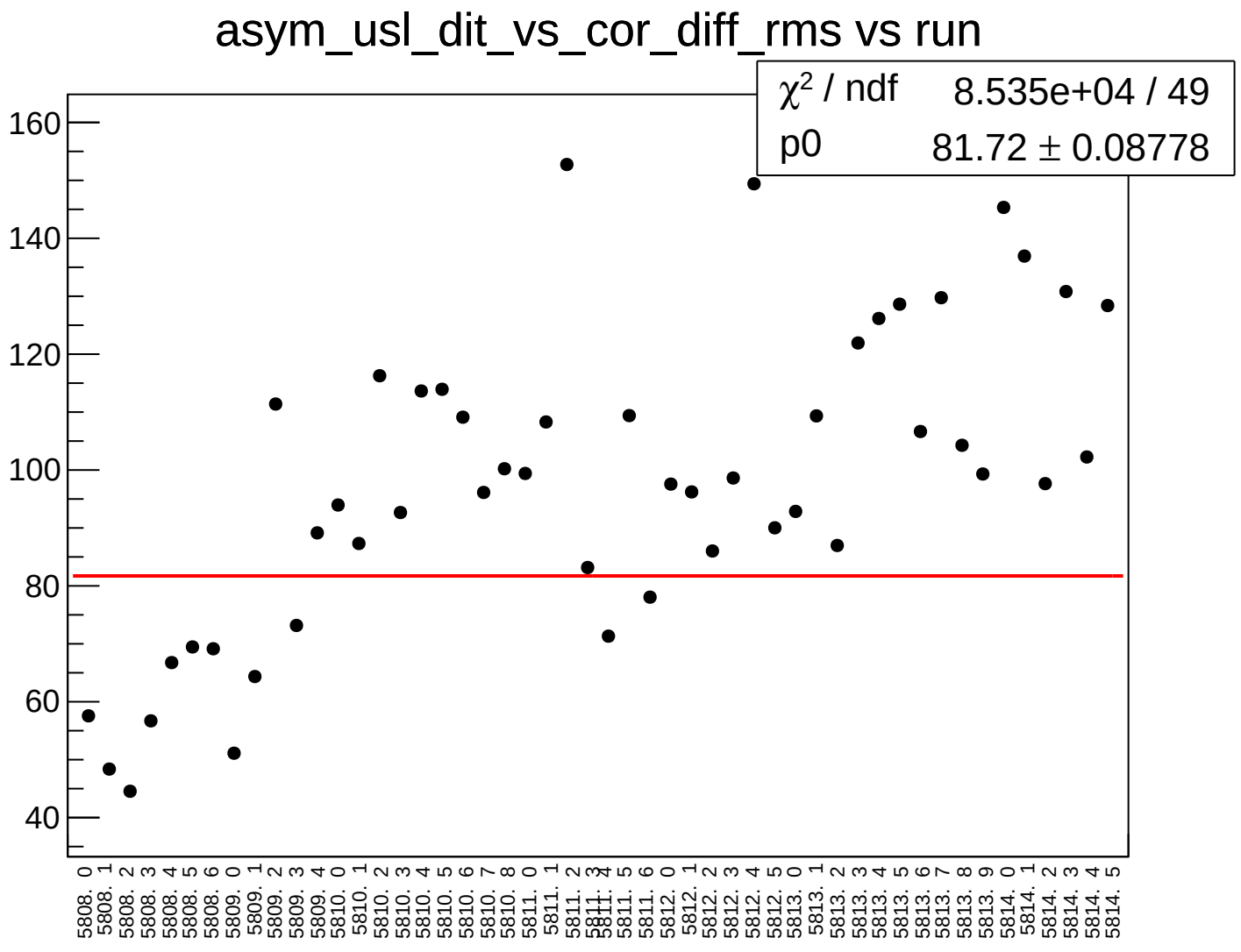

asym_usl_rms vs run
χ² / ndf 412.9 / 49
p0 1509 ± 1.547
1580
1560
1540
1520
1500
1480
1460
1440
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

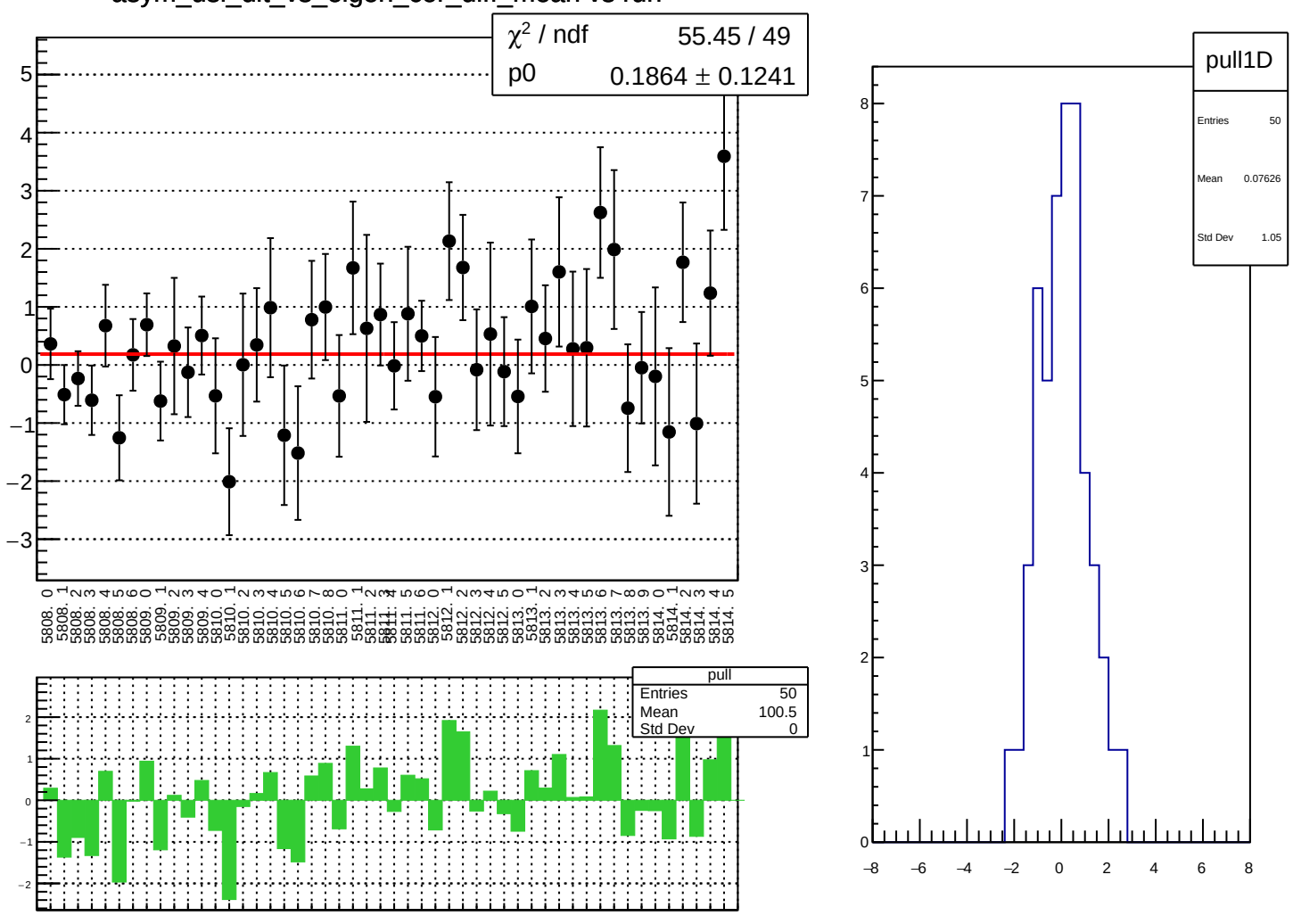

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.81 / 49
p0 5.71e−14 ± 8.855e−14
pull
Entries 50
Mean 5.785
Std Dev 0

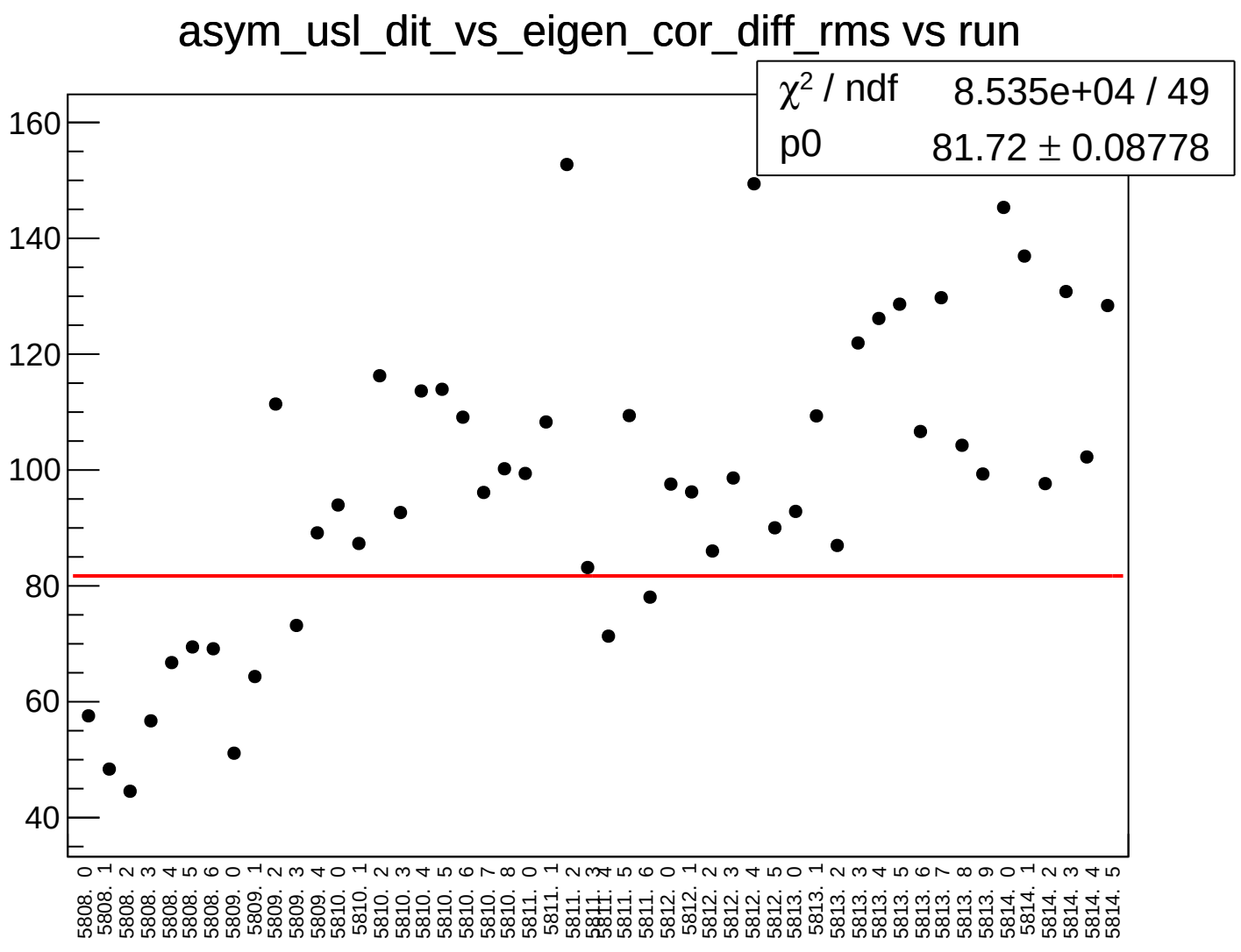

pull1D
Entries 50
Mean −0.04228
Std Dev 1.037

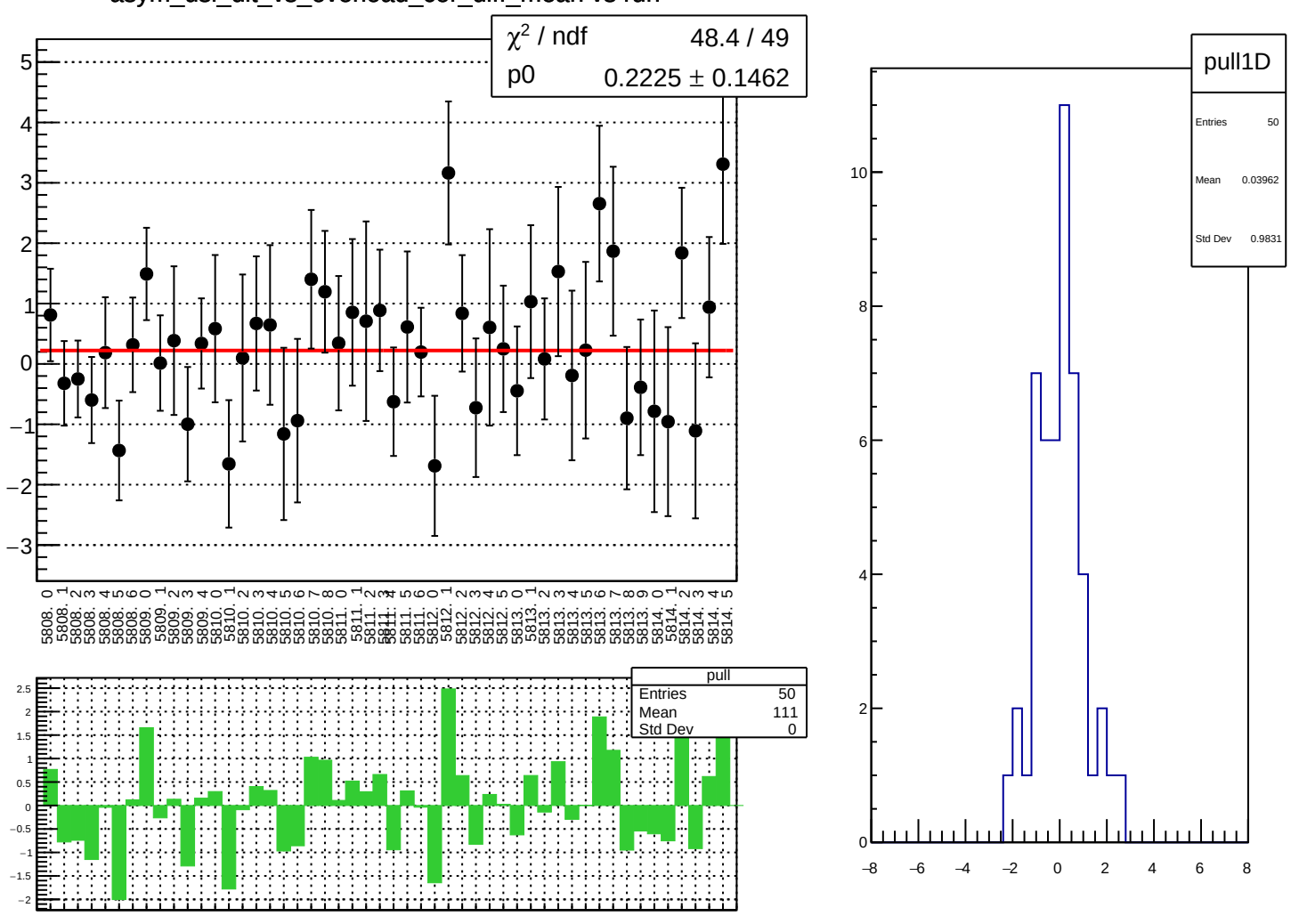

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.926e+05 / 49
p0 5.085e−11 ± 6.261e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

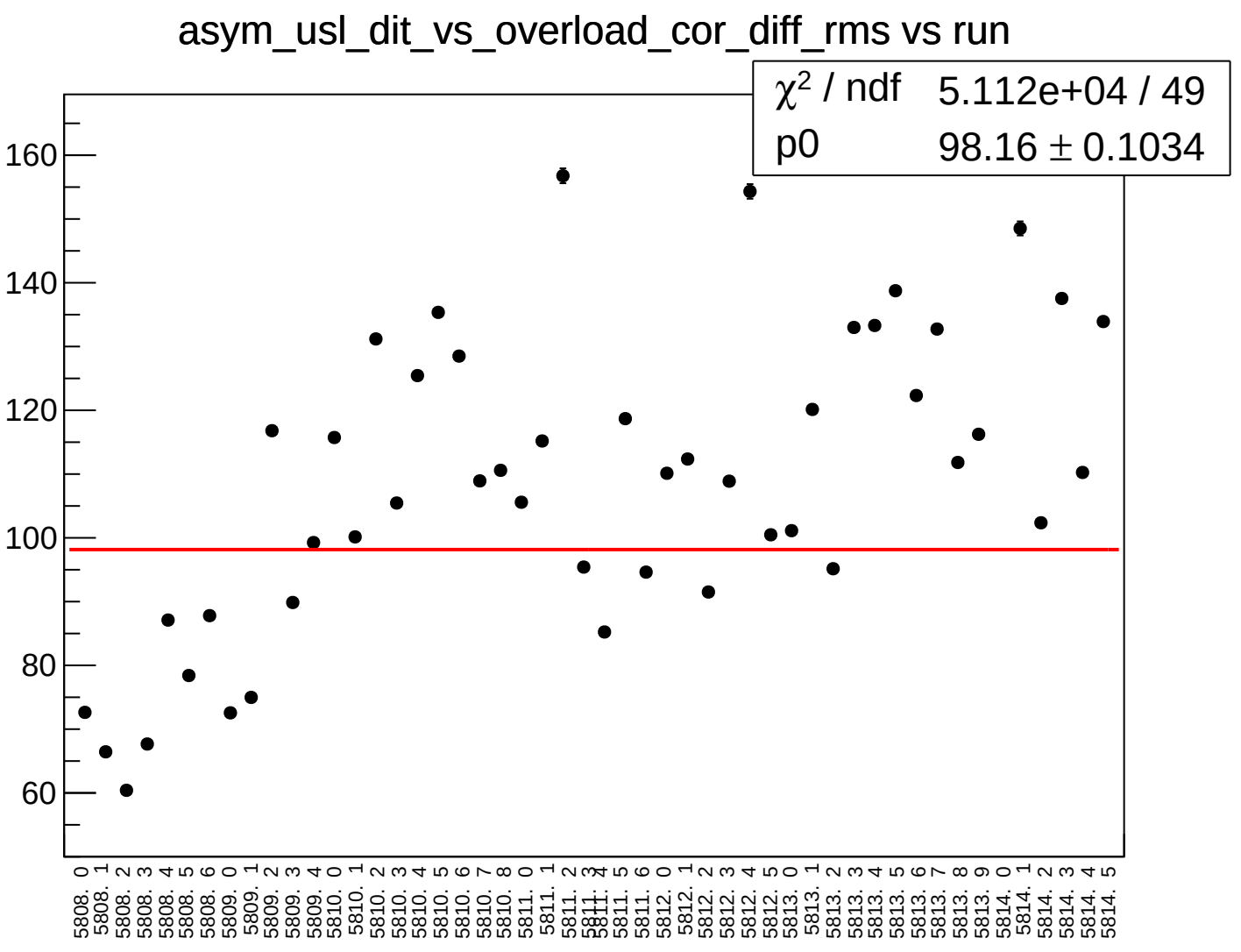

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 55.45 / 49
p0 0.1864 ± 0.1241
pull
Entries 50
Mean 100.5
Std Dev 0
pull1D
Entries 50
Mean 0.07626
Std Dev 1.05

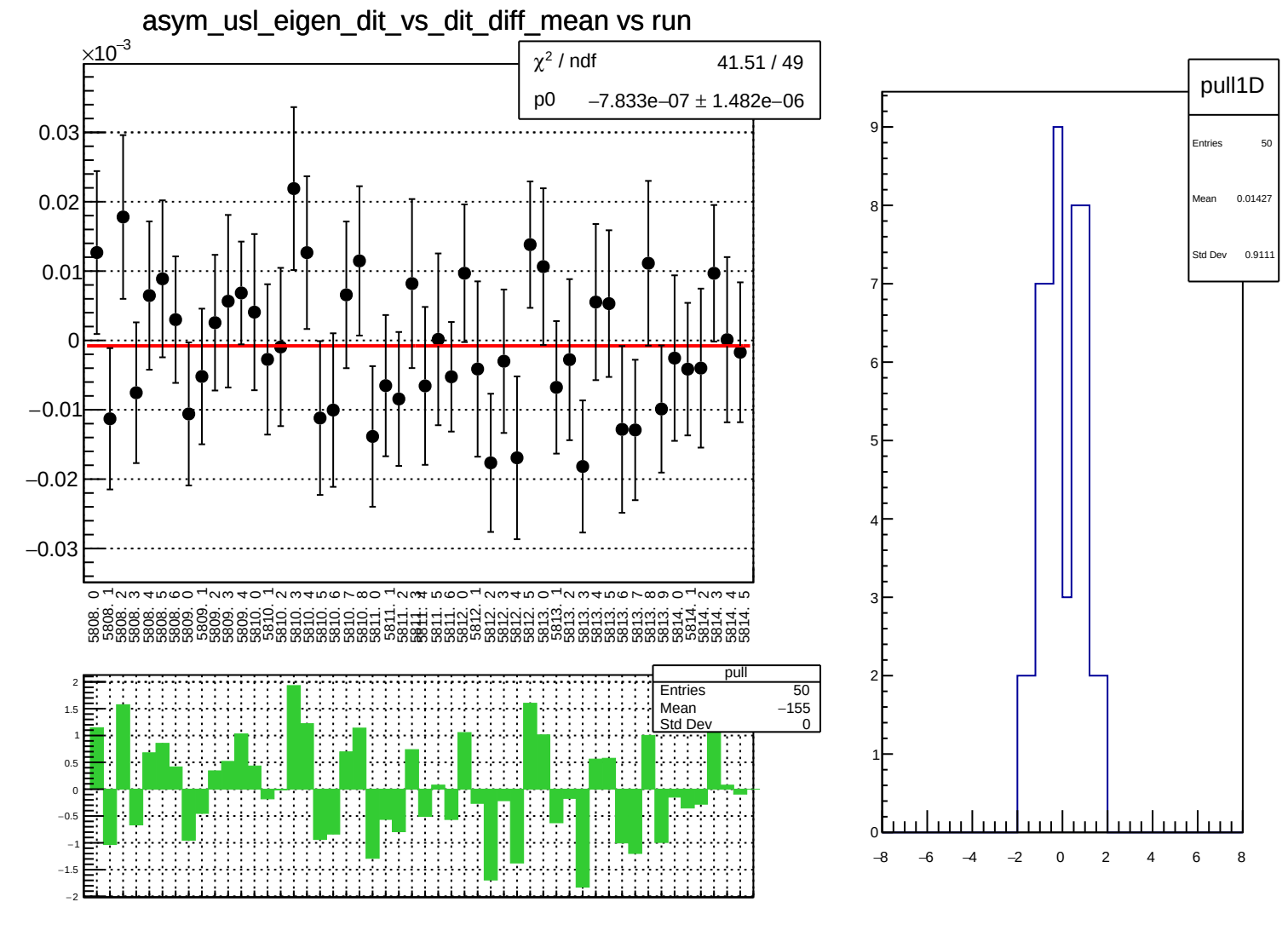

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 8.535e+04 / 49
p0 81.72 ± 0.08778
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

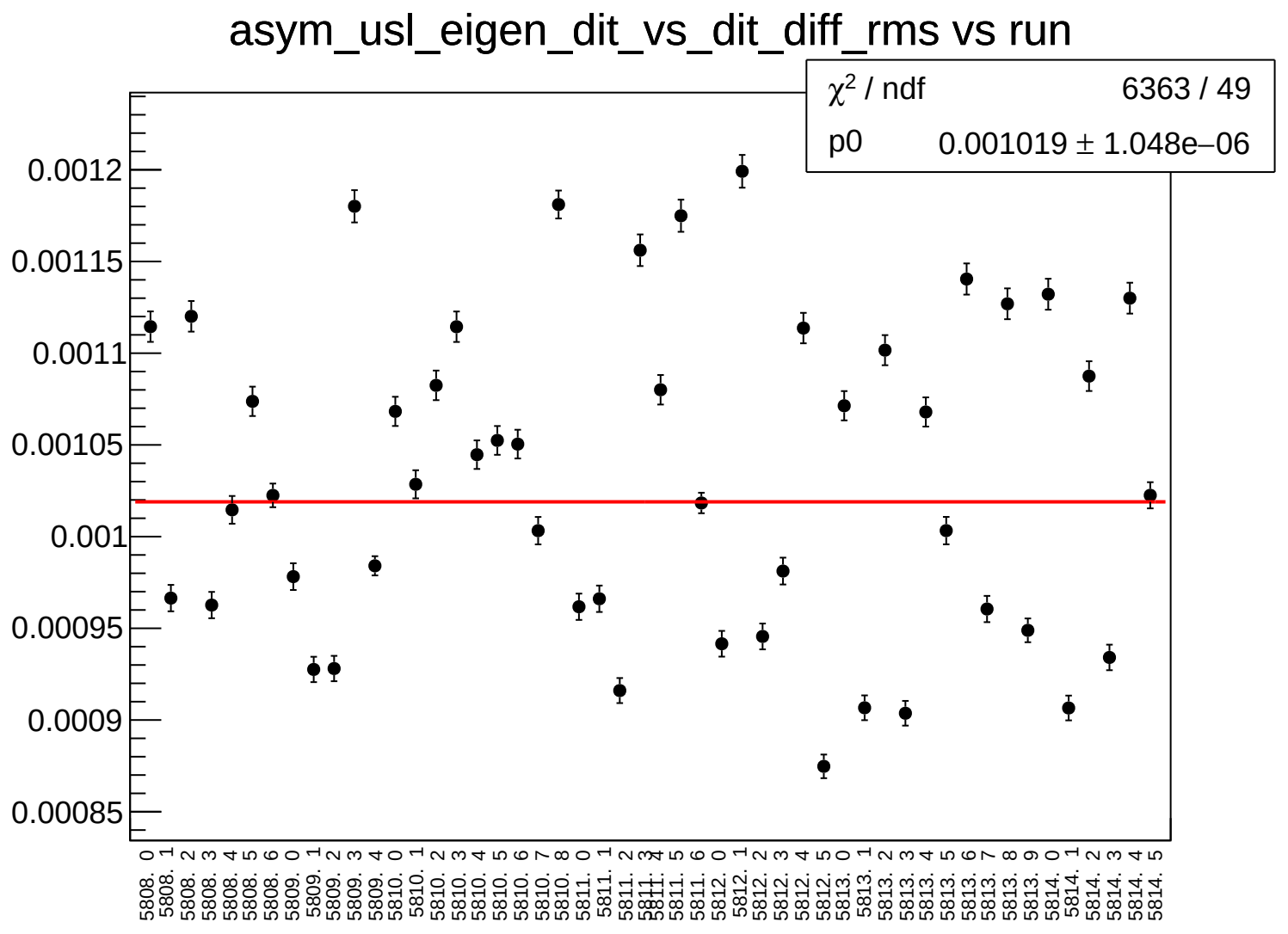

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.45 / 49
p0 0.1864 ± 0.1241
pull
Entries 50
Mean 100.5
Std Dev 0
pull1D
Entries 50
Mean 0.07626
Std Dev 1.05

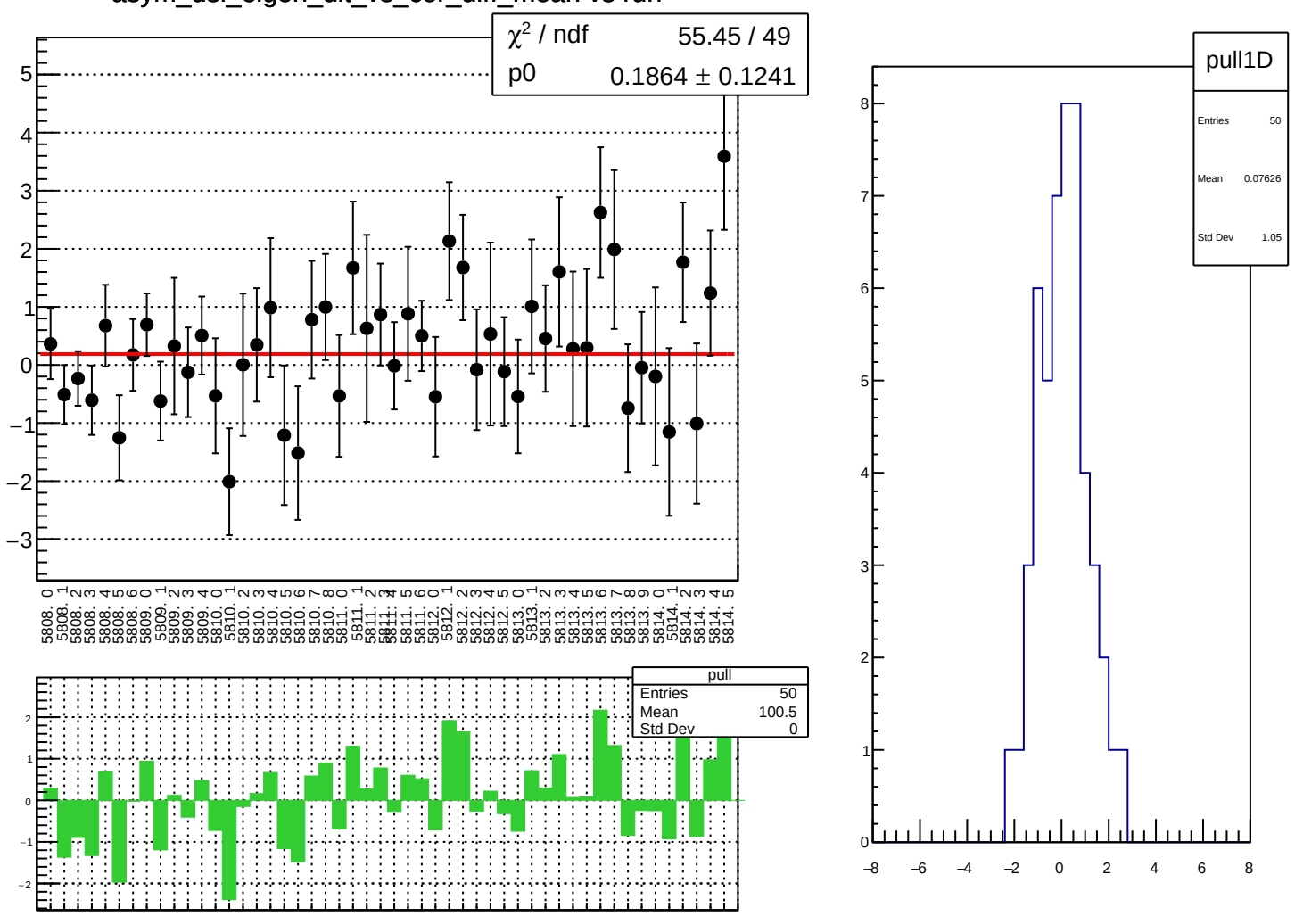

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.535e+04 / 49
p0 81.72 ± 0.08778
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

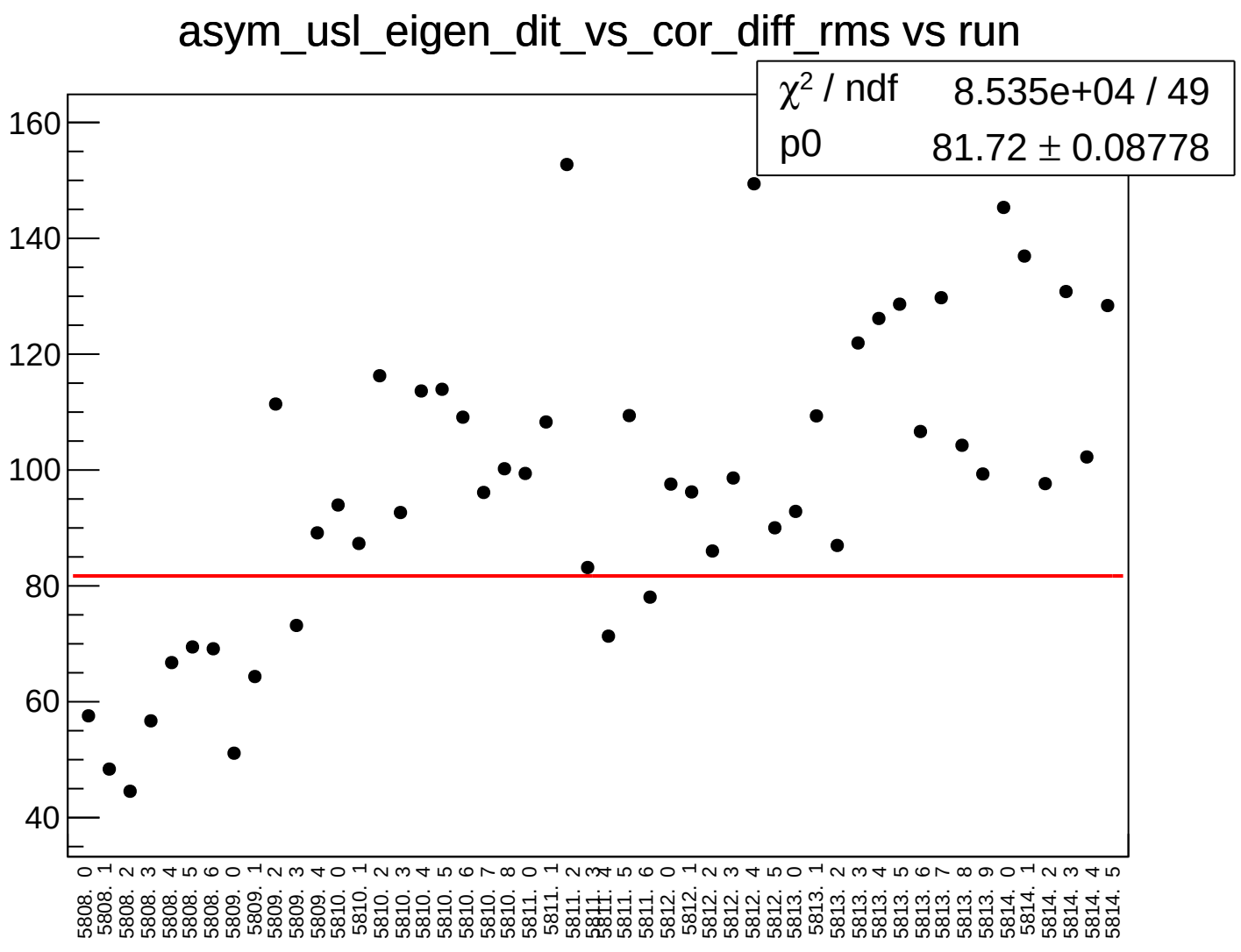

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 48.4 / 49
p0 0.2225 ± 0.1462
pull
Entries 50
Mean 111
Std Dev 0
pull1D
Entries 50
Mean 0.03962
Std Dev 0.9831


asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.112e+04 / 49
p0 98.16 ± 0.1034
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.51 / 49
p0 −7.833e−07 ± 1.482e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −155
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01427
Std Dev 0.9111
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6363 / 49
p0 0.001019 ± 1.048e−06
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
0.00085
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.45 / 49
p0 0.1864 ± 0.1241
pull
Entries 50
Mean 100.5
Std Dev 0
pull1D
Entries 50
Mean 0.07626
Std Dev 1.05


asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.535e+04 / 49
p0 81.72 ± 0.08778
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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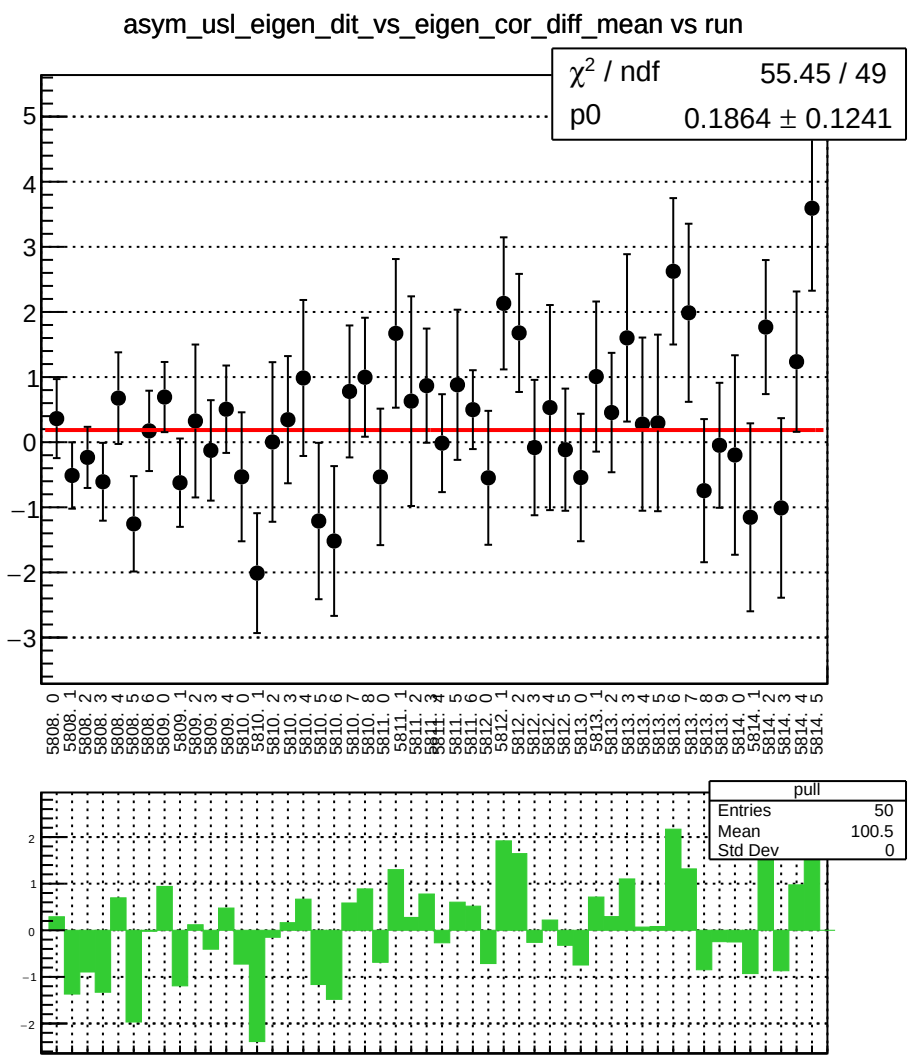
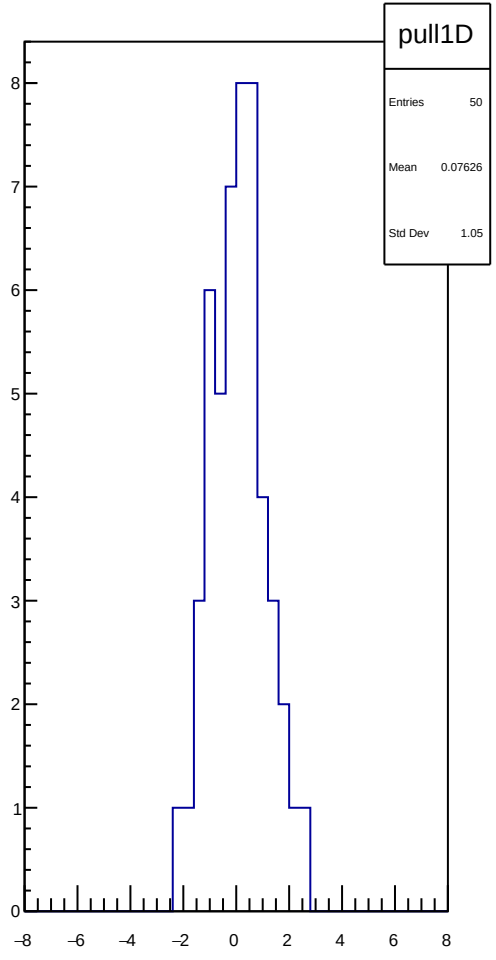
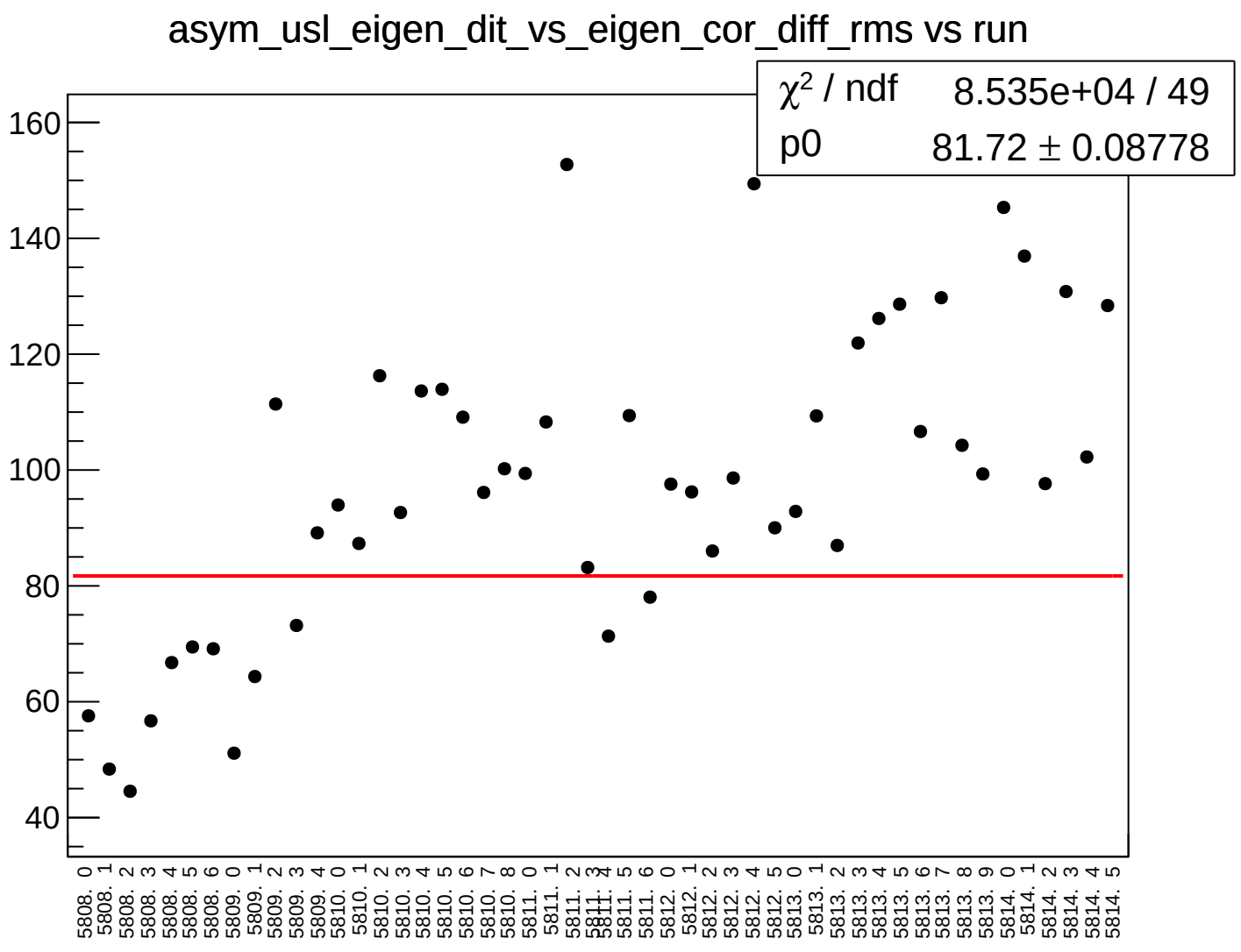
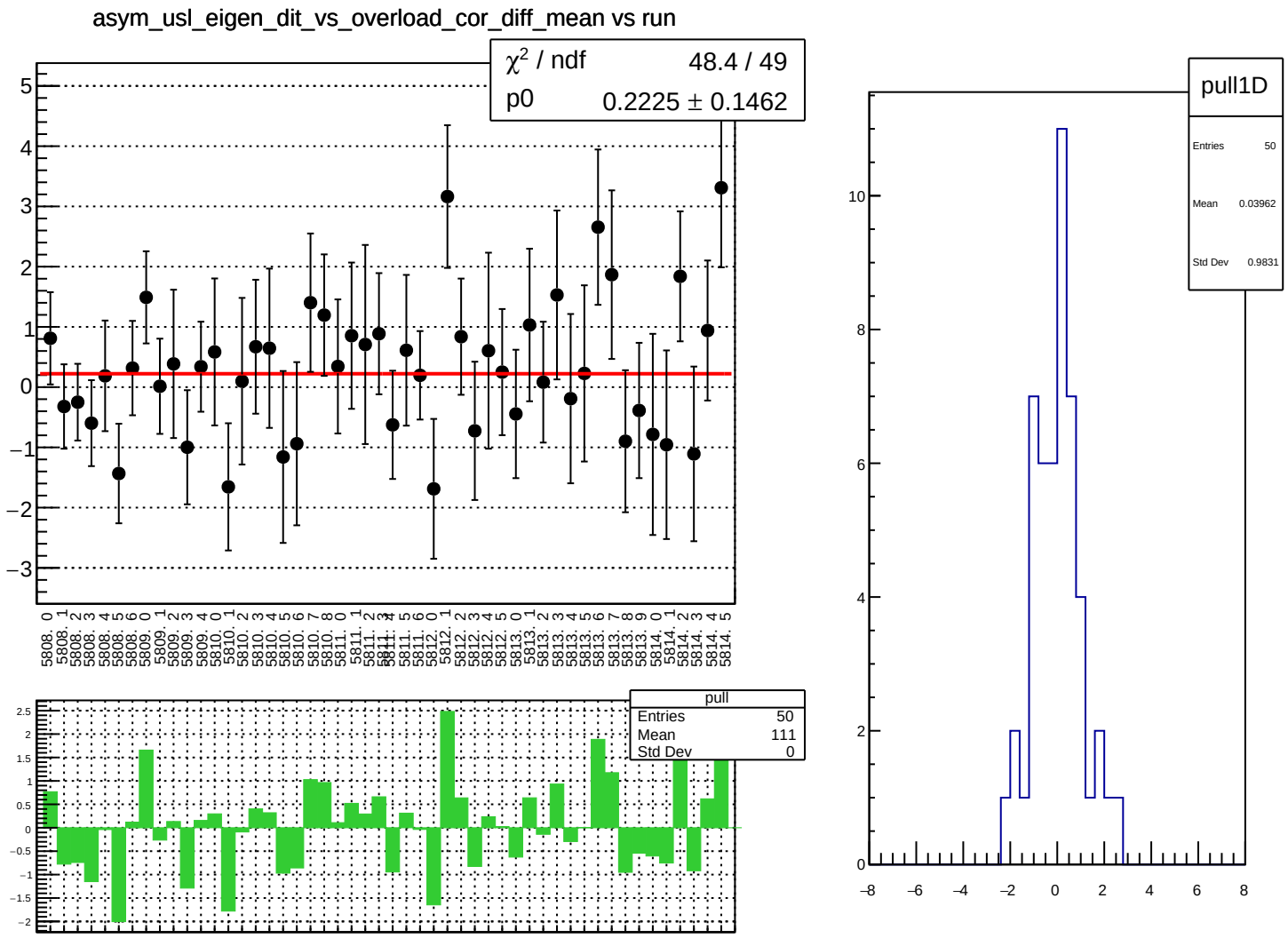
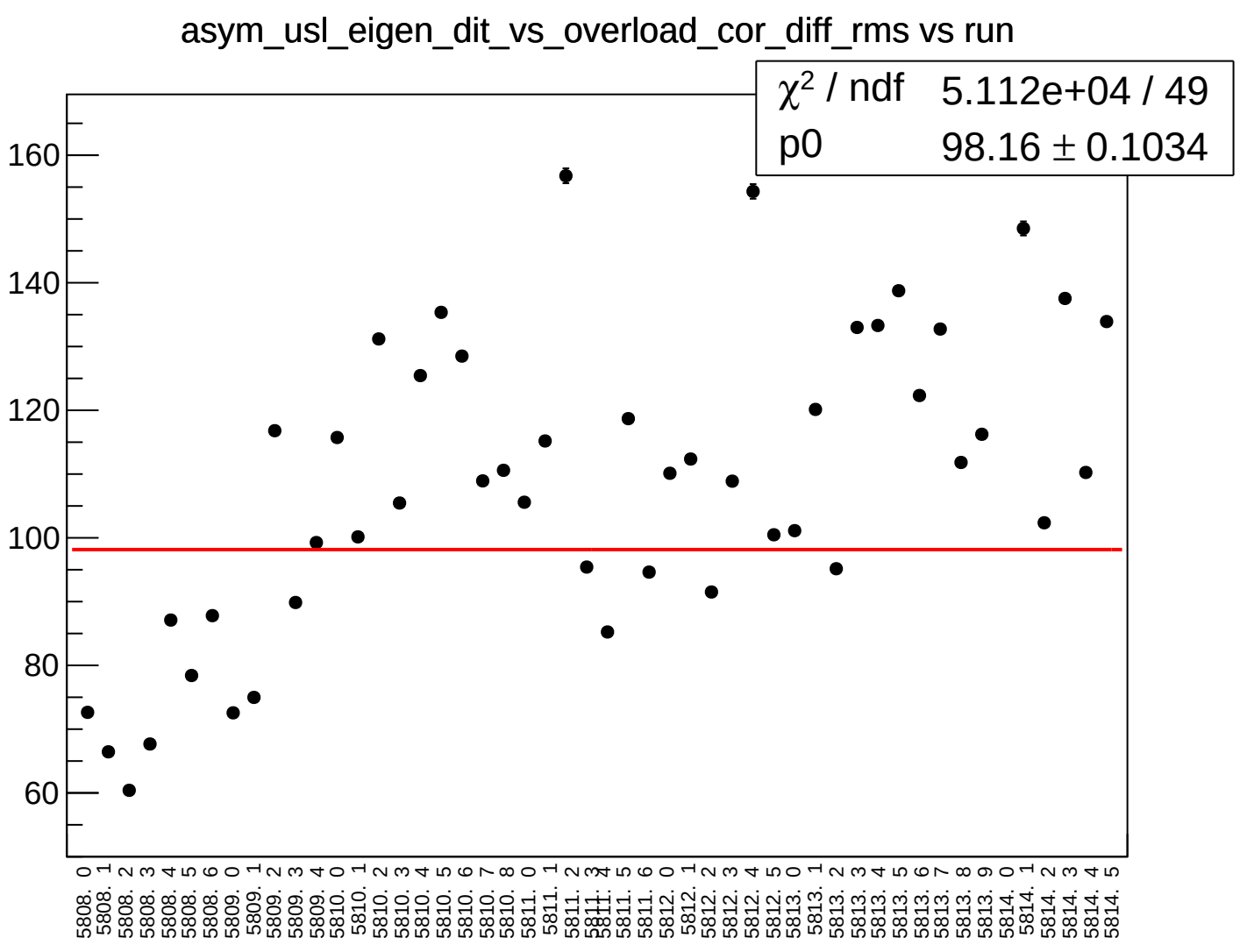
5814. 4
5814. 5

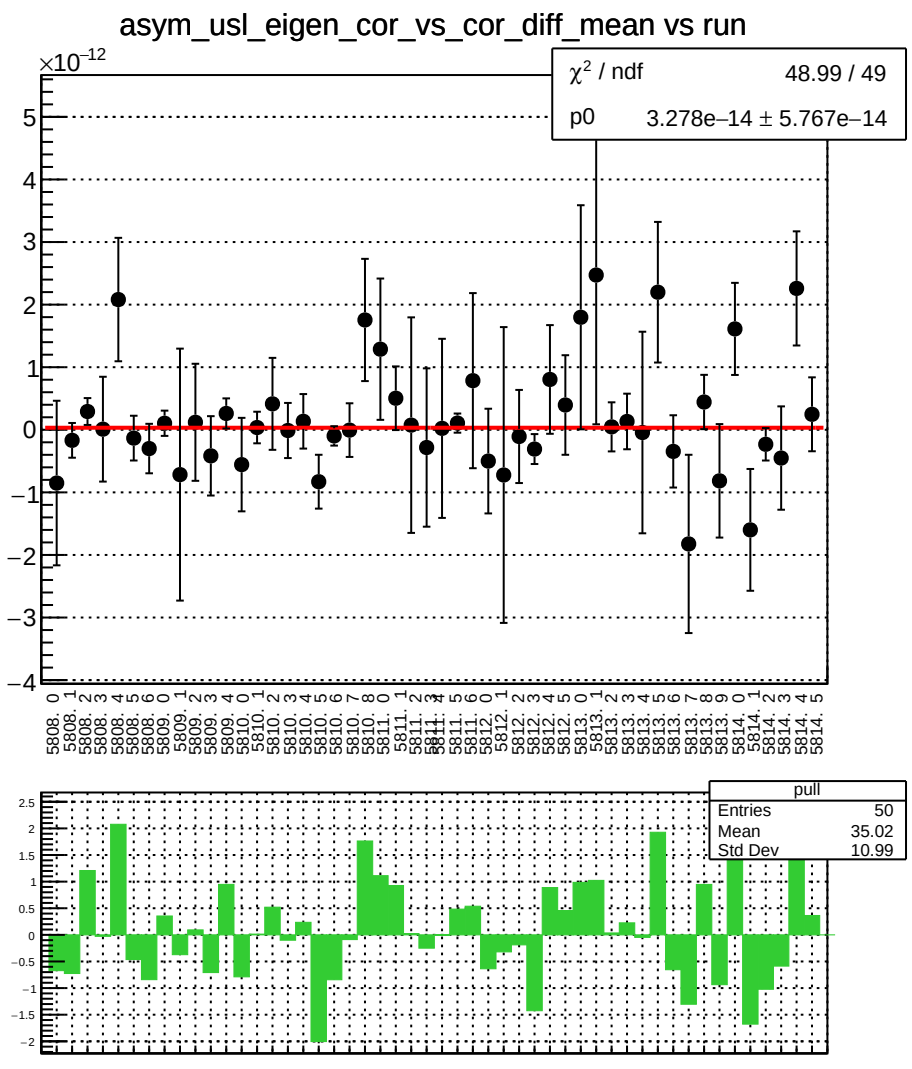

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.45 / 49
p0 0.1864 ± 0.1241
pull
Entries 50
Mean 100.5
Std Dev 0

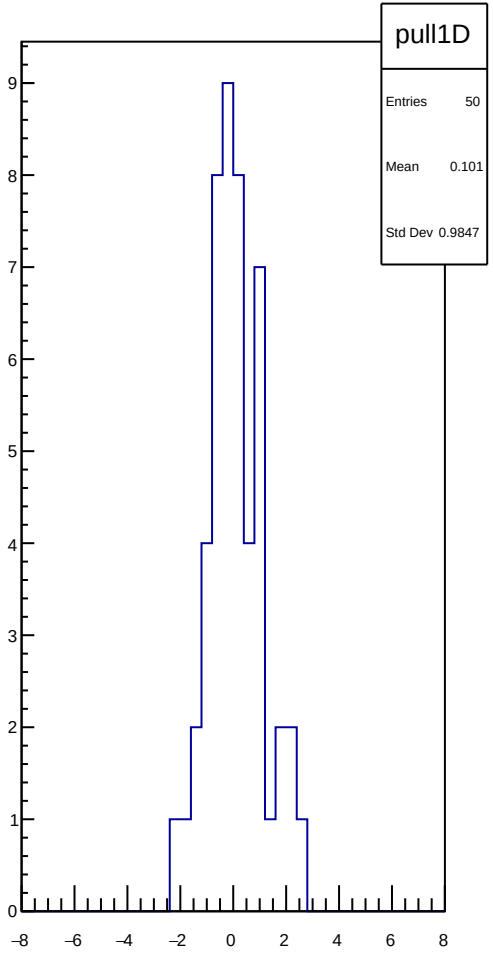

pull1D
Entries 50
Mean 0.07626
Std Dev 1.05

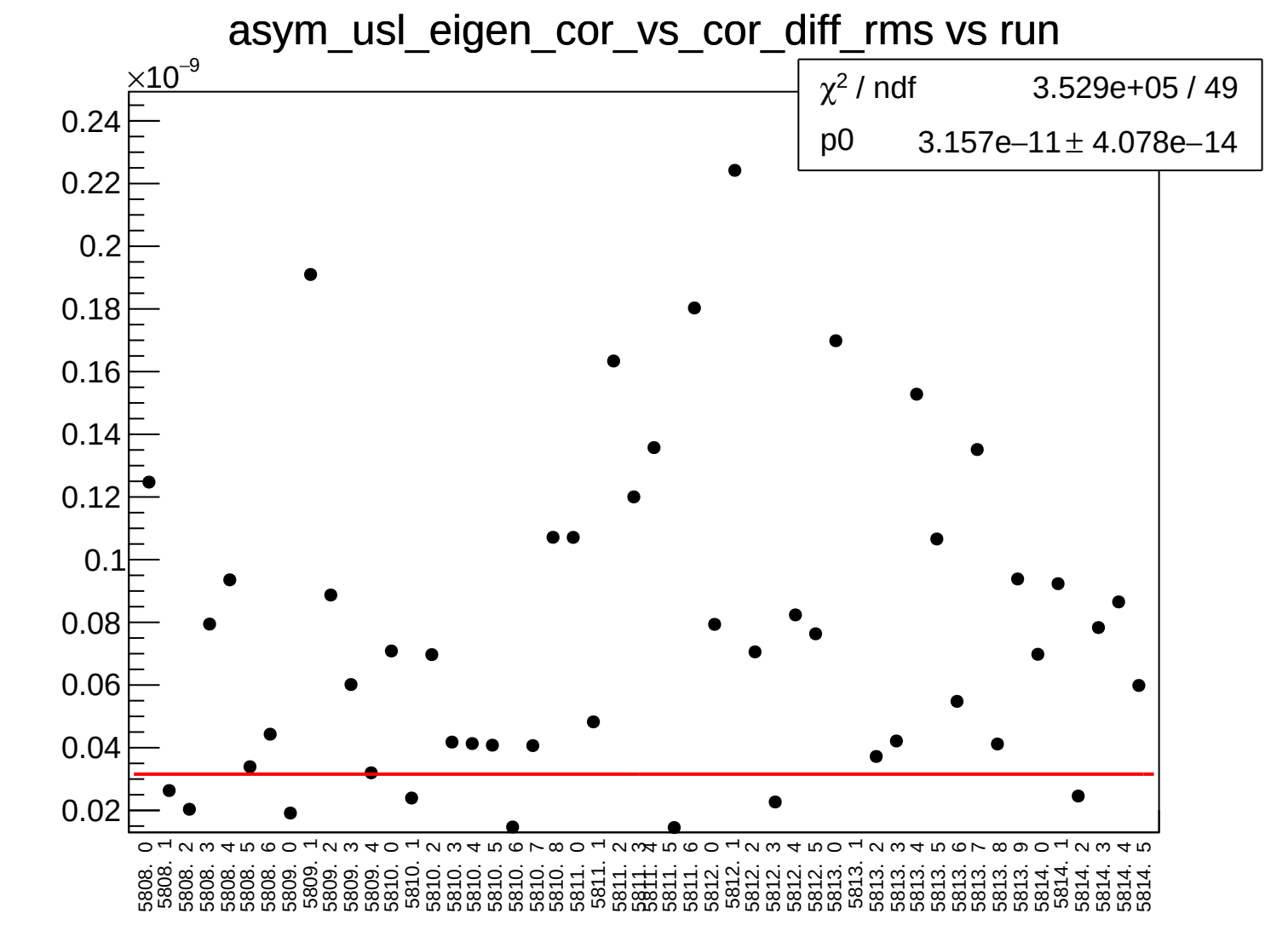

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.535e+04 / 49
p0 81.72 ± 0.08778
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 48.4 / 49
p0 0.2225 ± 0.1462
pull
Entries 50
Mean 111
Std Dev 0
pull1D
Entries 50
Mean 0.03962
Std Dev 0.9831


asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 5.112e+04 / 49
p0 98.16 ± 0.1034
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.99 / 49
p0 3.278e−14 ± 5.767e−14
pull
Entries 50
Mean 35.02
Std Dev 10.99


pull1D
Entries 50
Mean 0.101
Std Dev 0.9847


asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.529e+05 / 49
p0 3.157e−11 ± 4.078e−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
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
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5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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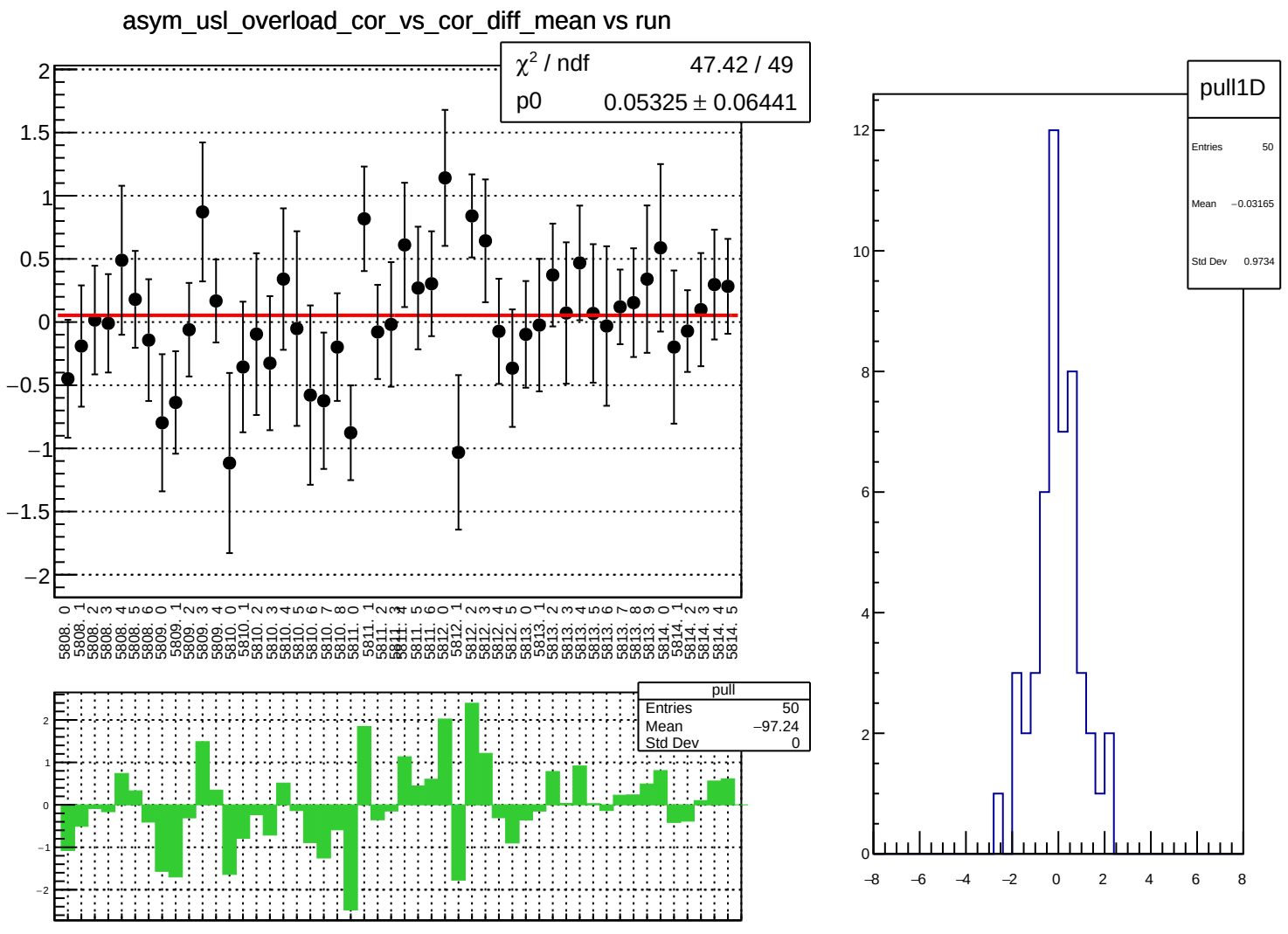
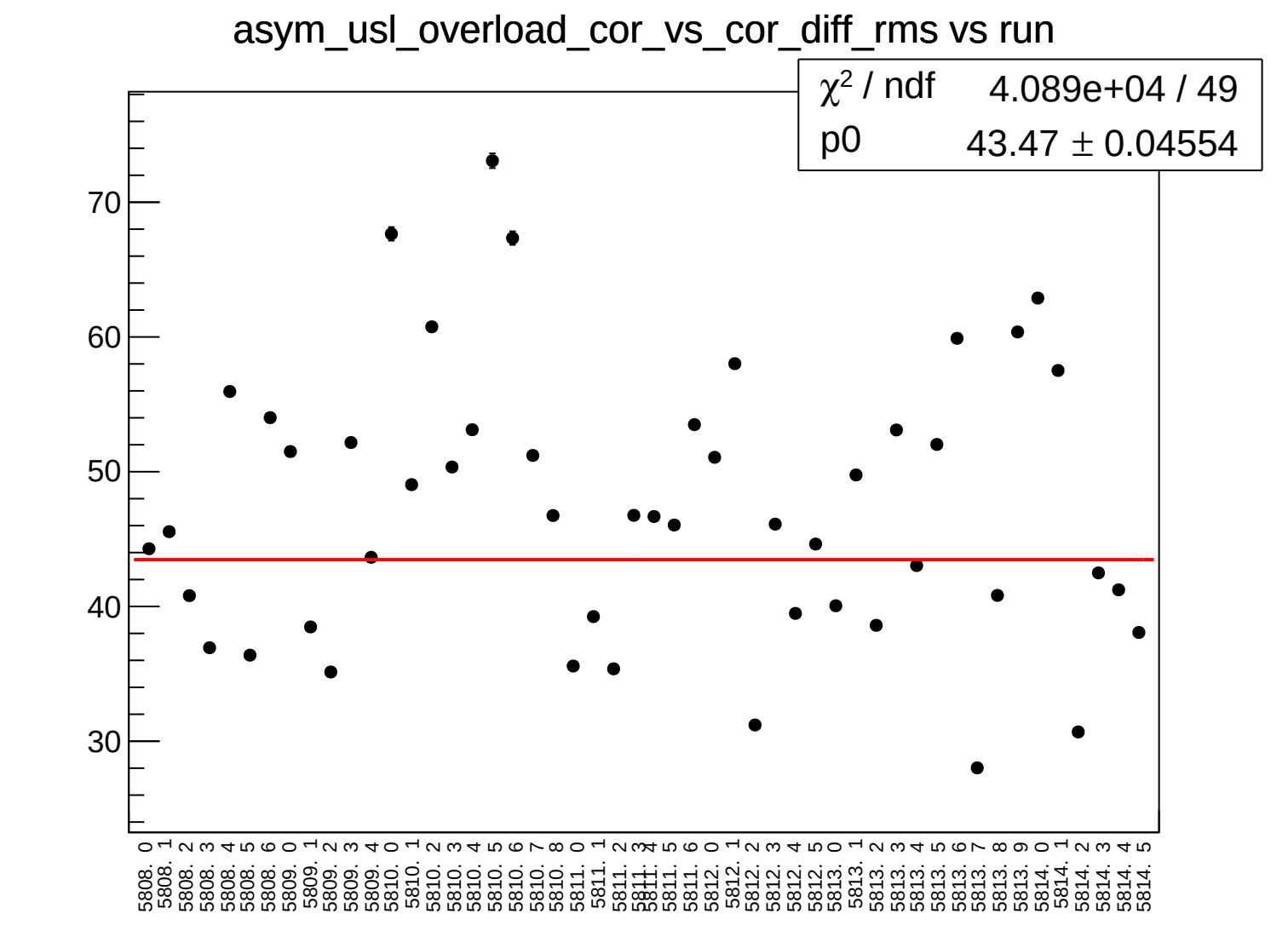

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 47.42 / 49
p0 0.05325 ± 0.06441
pull
Entries 50
Mean −97.24
Std Dev 0
pull1D
Entries 50
Mean −0.03165
Std Dev 0.9734


asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 4.089e+04 / 49
p0 43.47 ± 0.04554
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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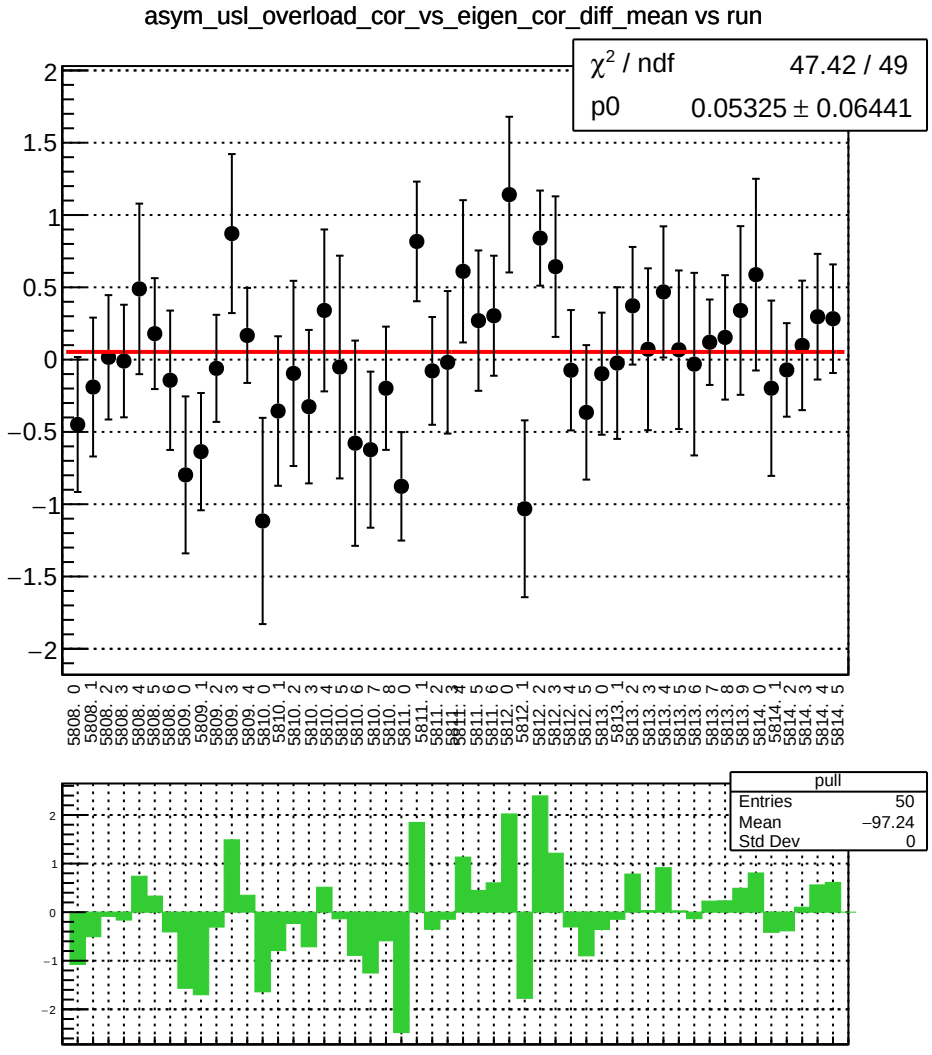
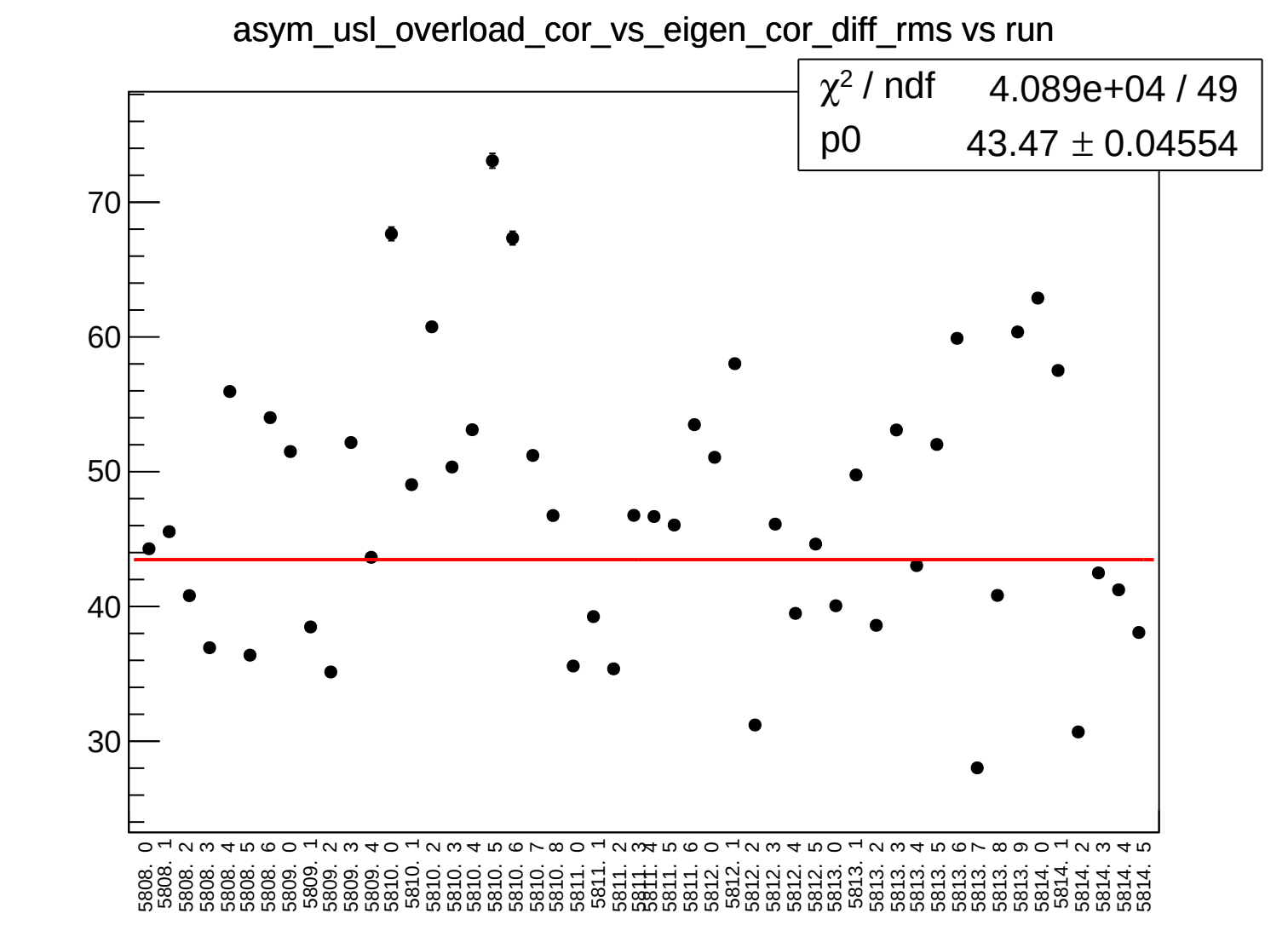
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.42 / 49
p0 0.05325 ± 0.06441
pull
Entries 50
Mean −97.24
Std Dev 0
pull1D
Entries 50
Mean −0.03165
Std Dev 0.9734


asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.089e+04 / 49
p0 43.47 ± 0.04554
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 7
5813. 8
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5814. 2
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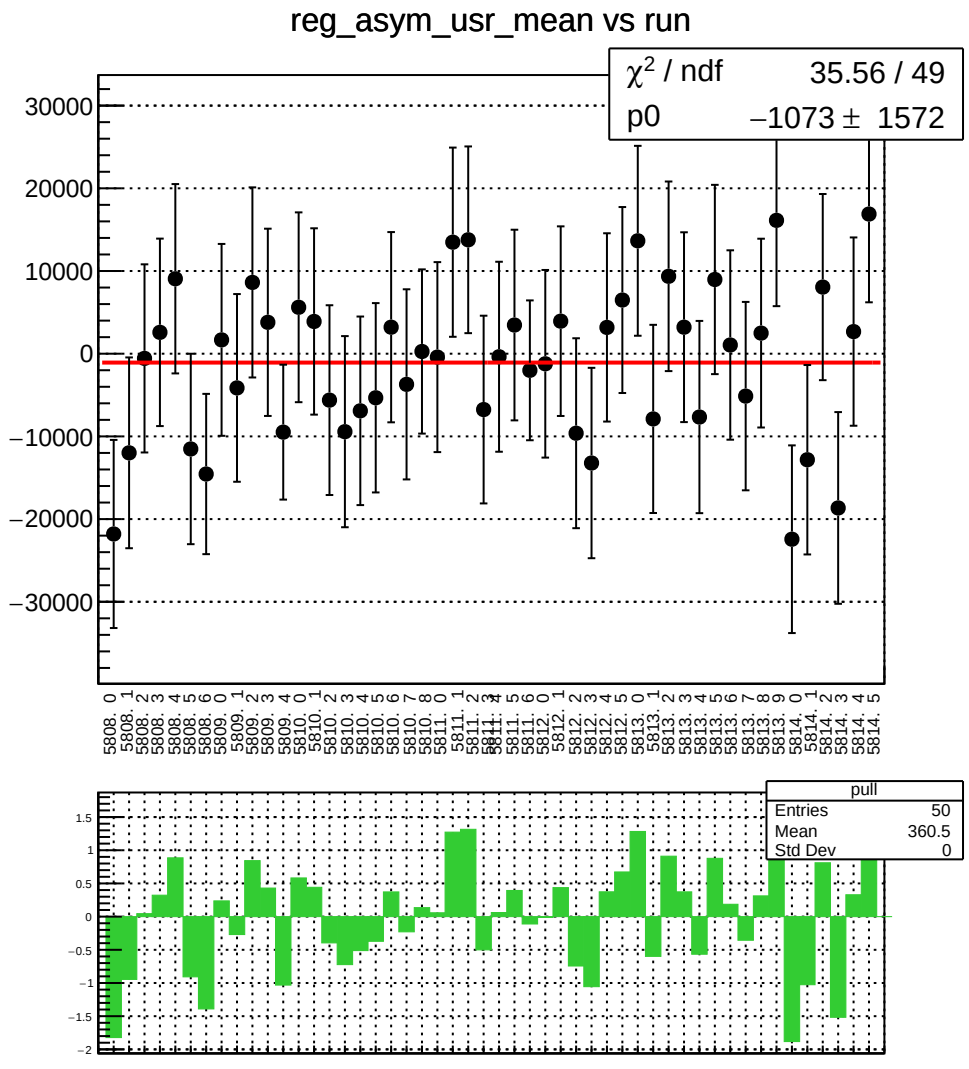
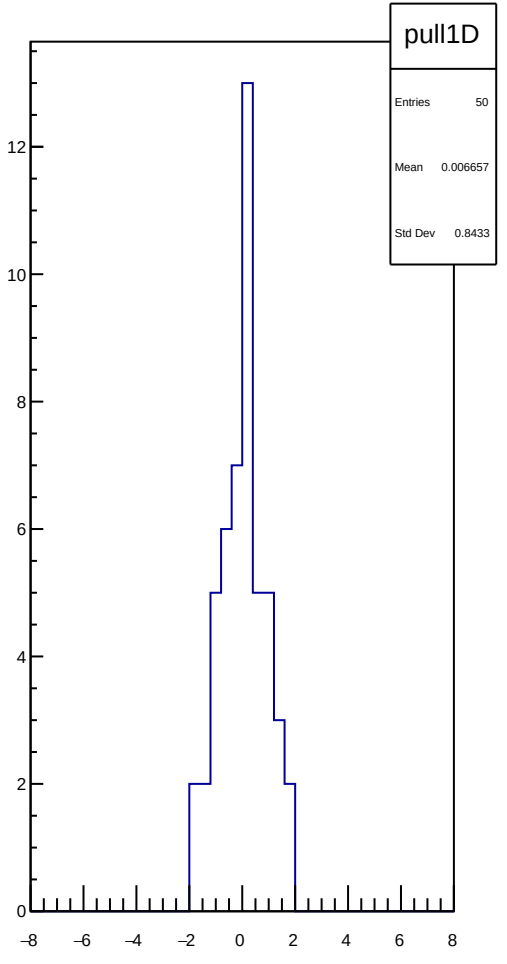
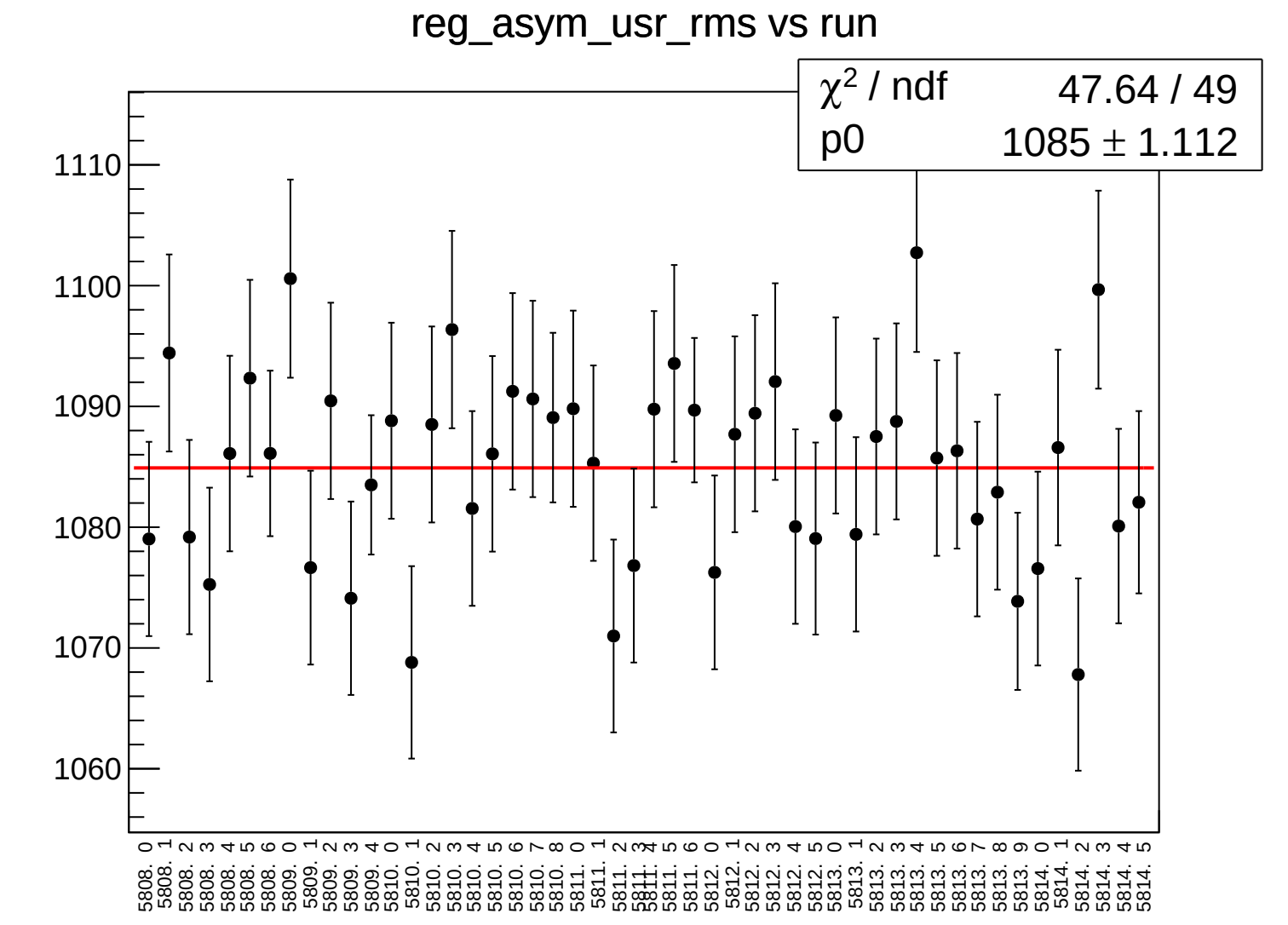
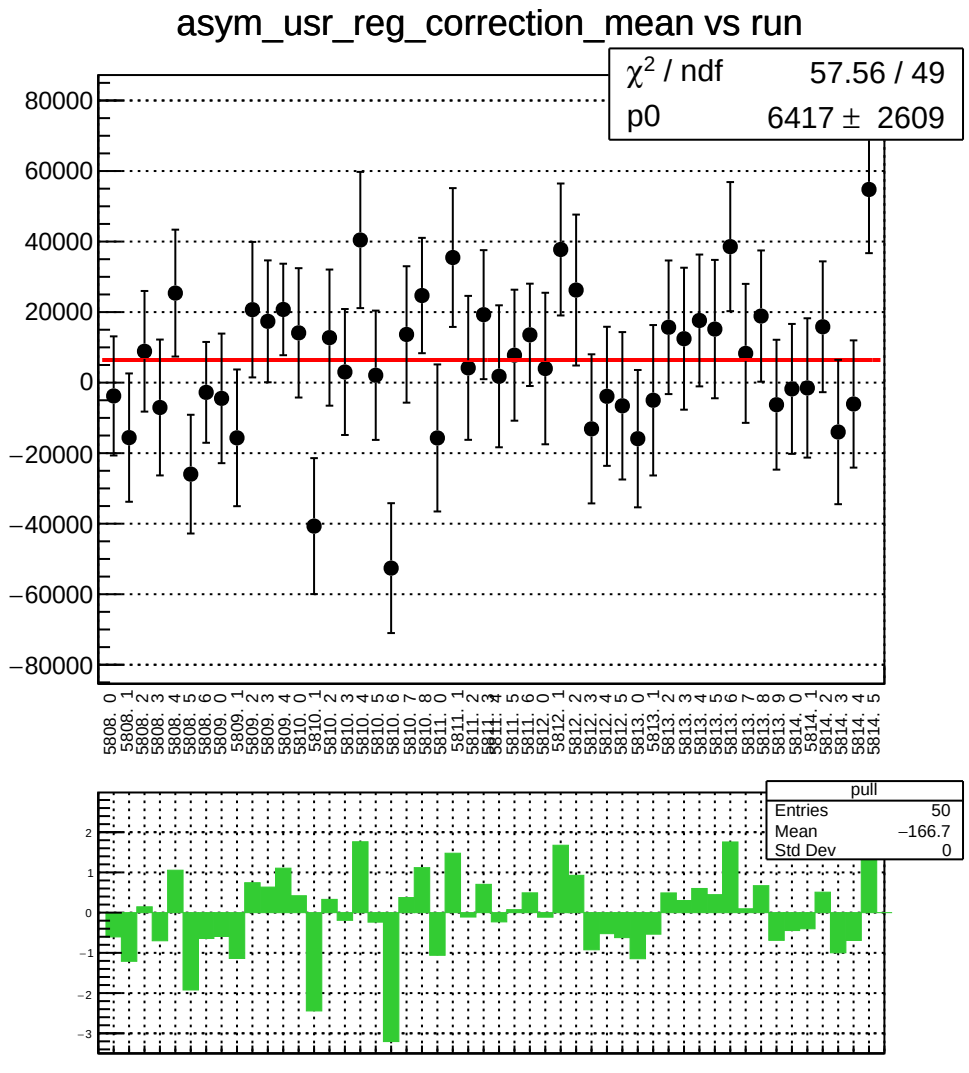
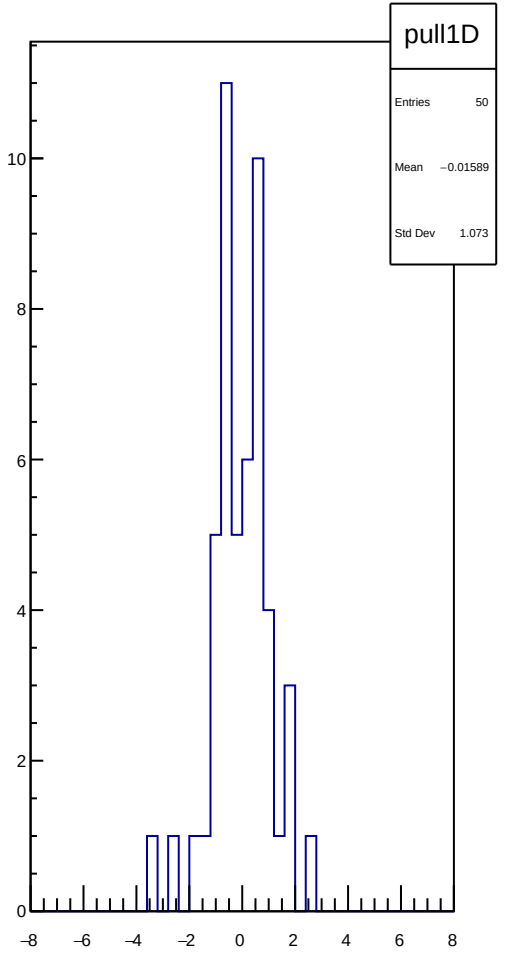
5814. 4
5814. 5

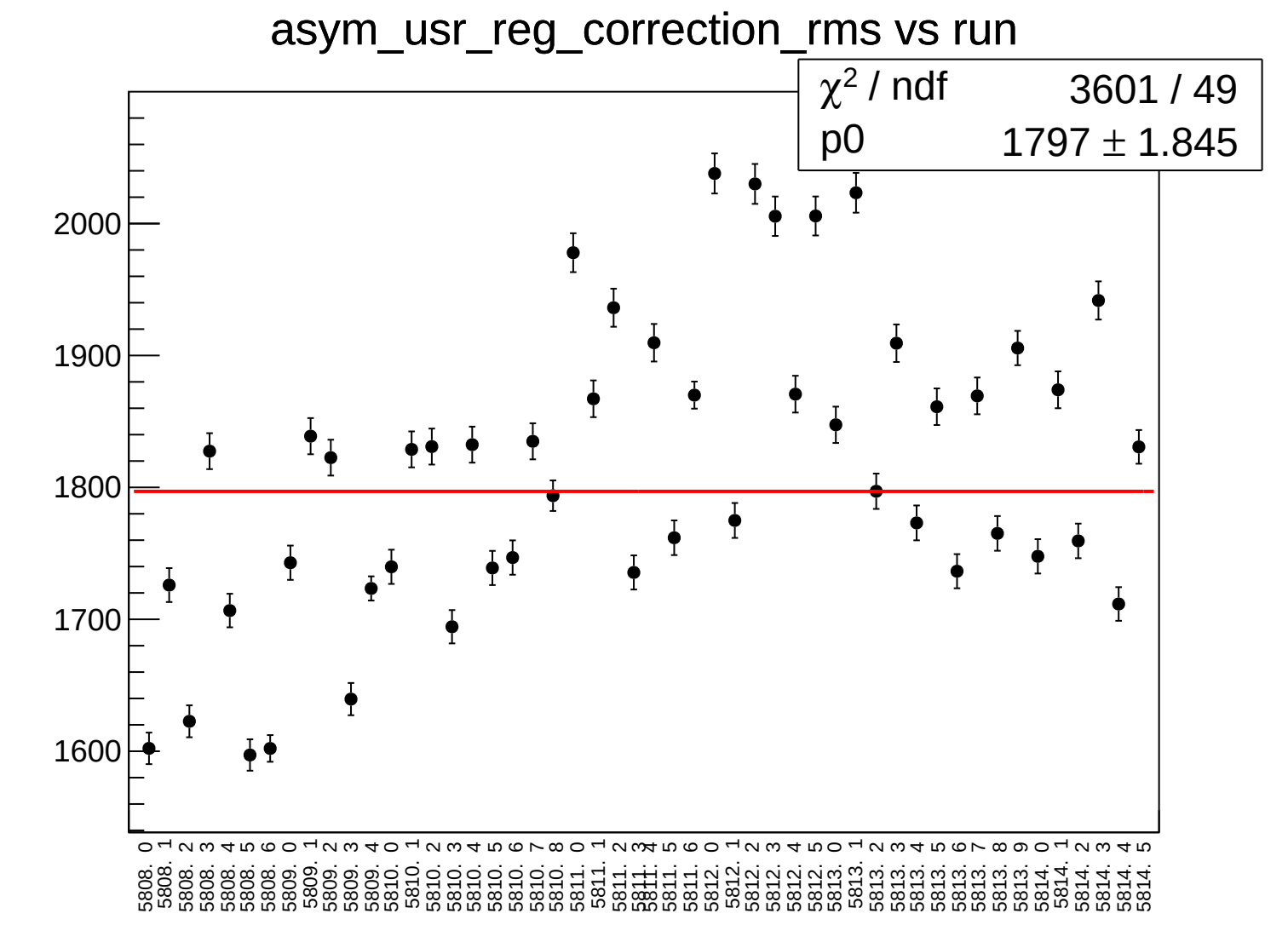

reg_asym_usr_mean vs run
χ^2 / ndf 35.56 / 49
p0 −1073 ± 1572
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 360.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.006657
Std Dev 0.8433
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ² / ndf 47.64 / 49
p0 1085 ± 1.112
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_reg_correction_mean vs run
χ² / ndf 57.56 / 49
p0 6417 ± 2609
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −166.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01589
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_reg_correction_rms vs run
χ² / ndf 3601 / 49
p0 1797 ± 1.845
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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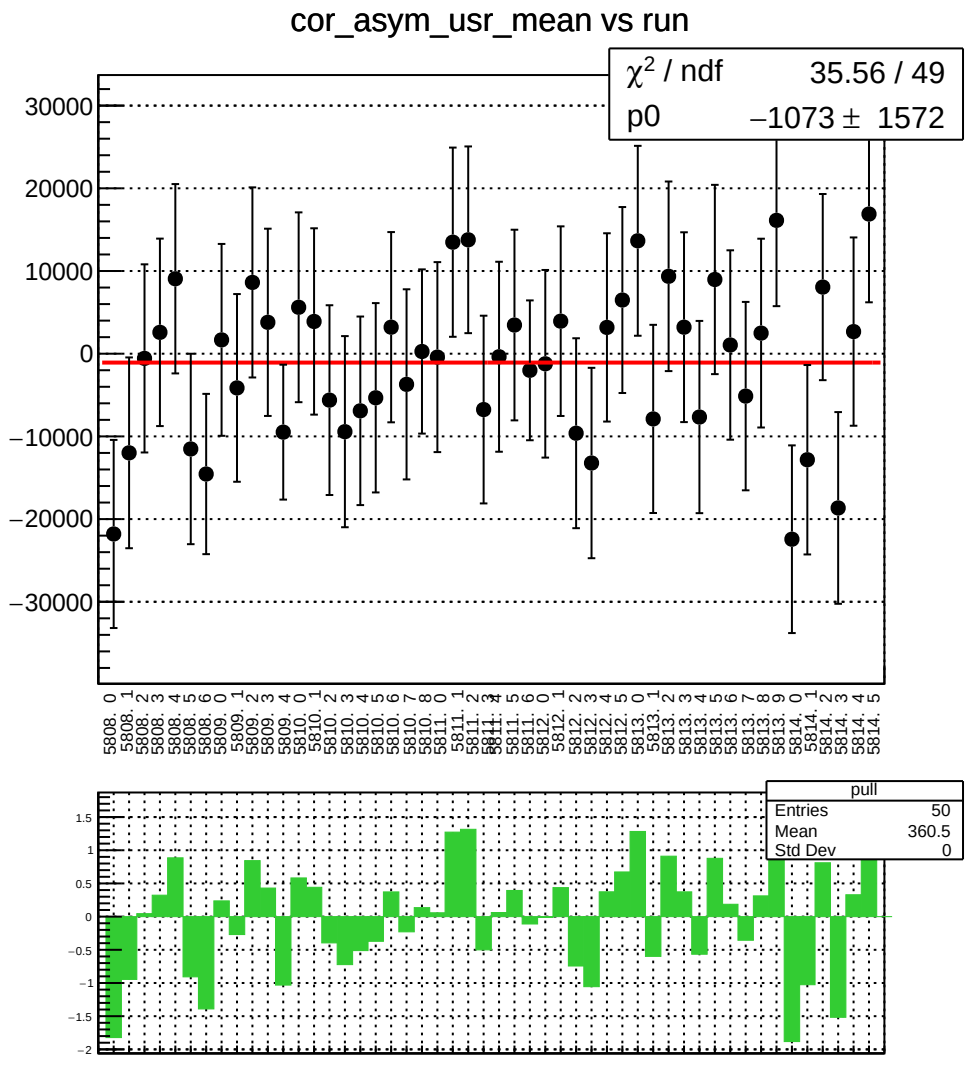
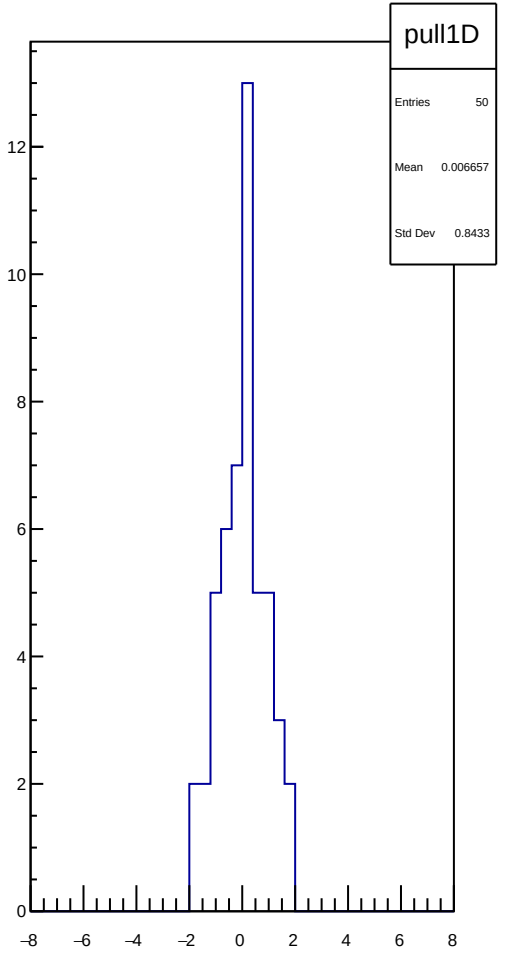
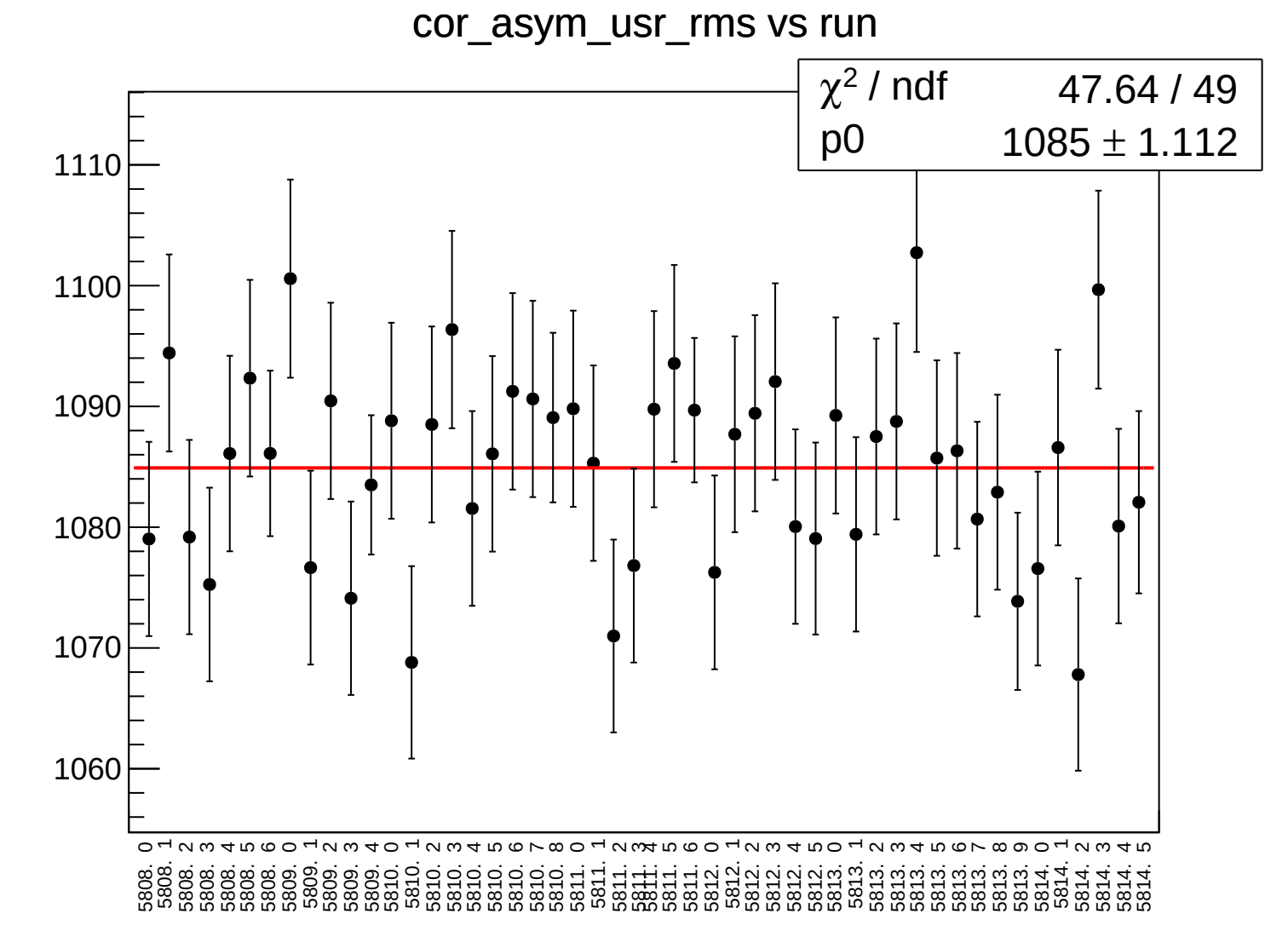
5814. 4
5814. 5


cor_asym_usr_mean vs run
χ^2 / ndf 35.56 / 49
p0 −1073 ± 1572
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 360.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.006657
Std Dev 0.8433
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_rms vs run
χ² / ndf 47.64 / 49
p0 1085 ± 1.112
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
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5814. 2
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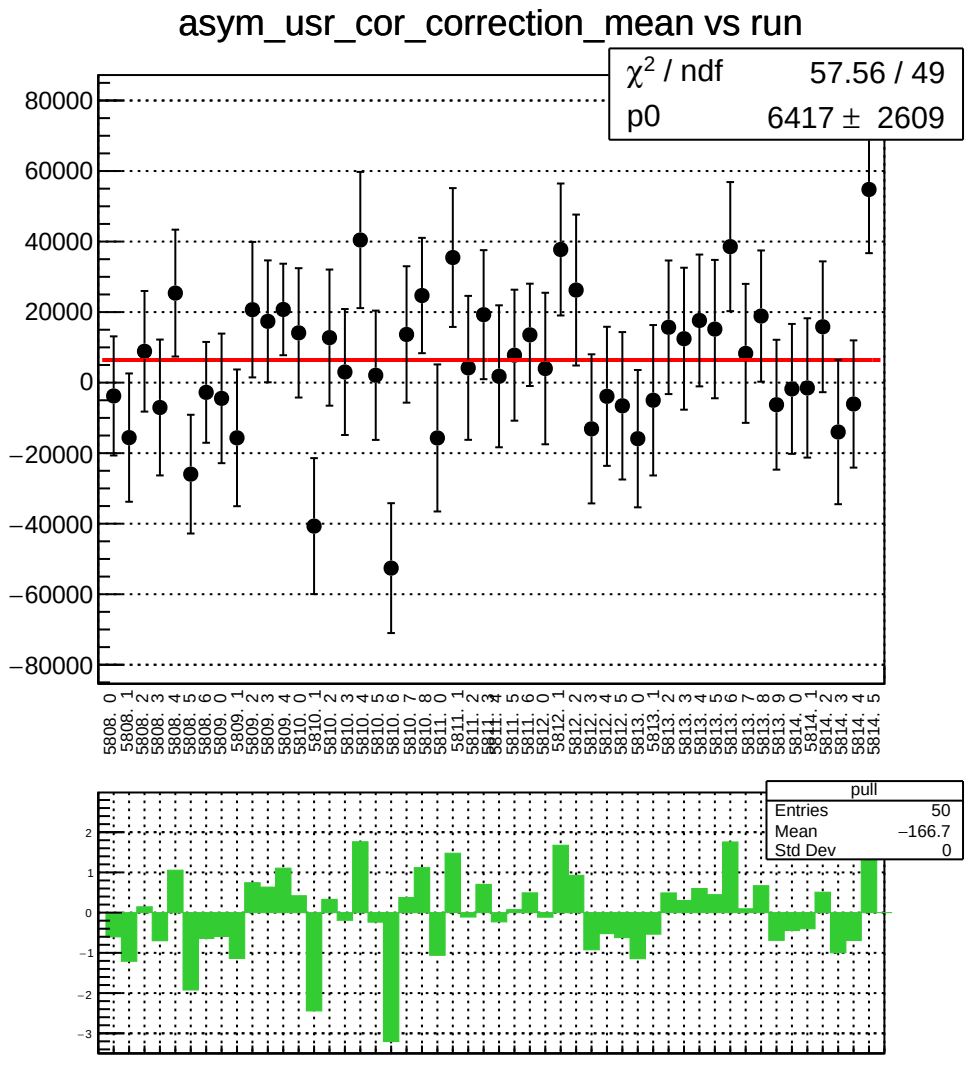
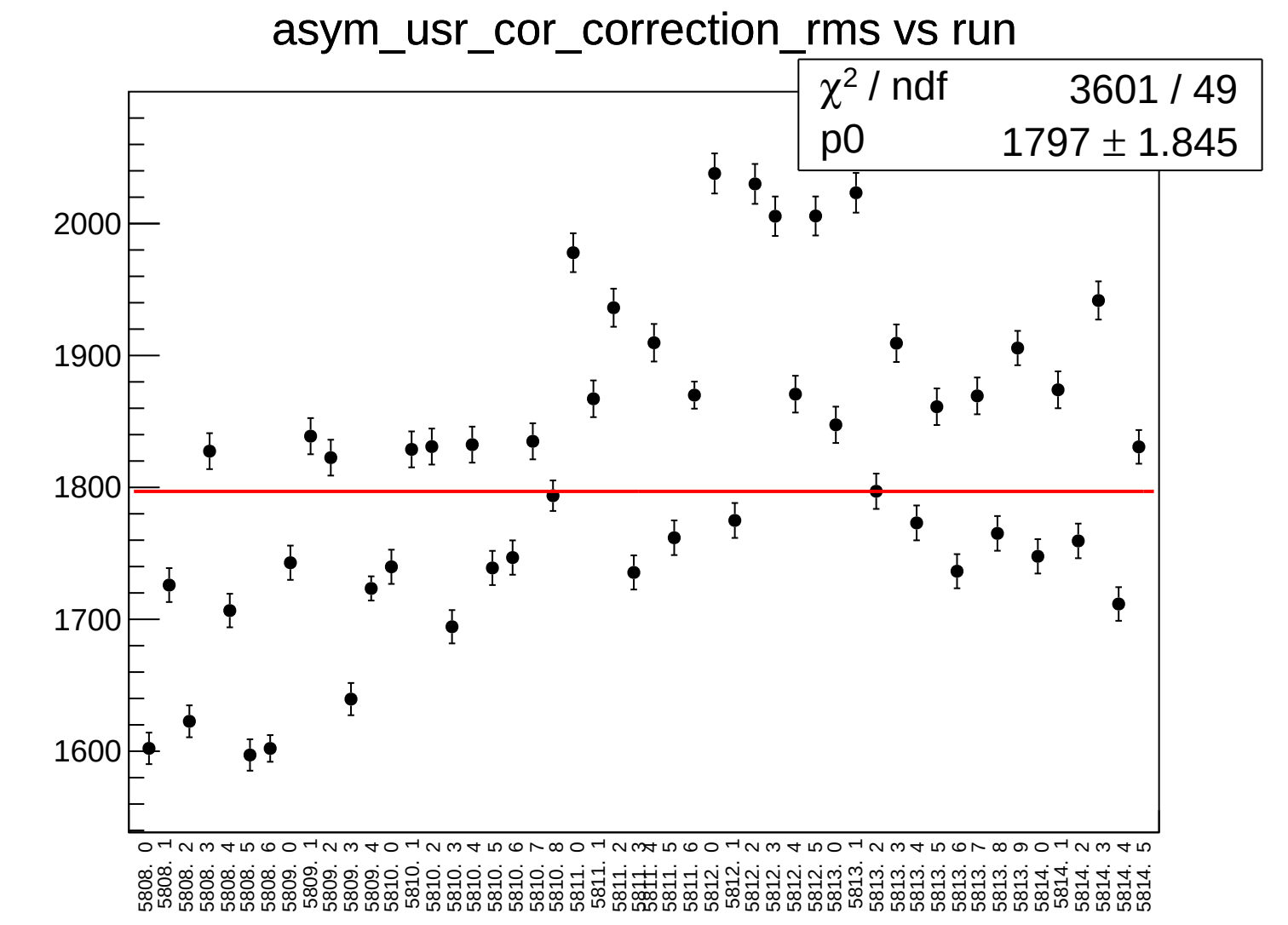
5814. 5


asym_usr_cor_correction_mean vs run
χ² / ndf 57.56 / 49
p0 6417 ± 2609
pull
Entries 50
Mean −166.7
Std Dev 0
pull1D
Entries 50
Mean −0.01589
Std Dev 1.073


asym_usr_cor_correction_rms vs run
χ² / ndf 3601 / 49
p0 1797 ± 1.845
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5813. 2
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5813. 4
5813. 5
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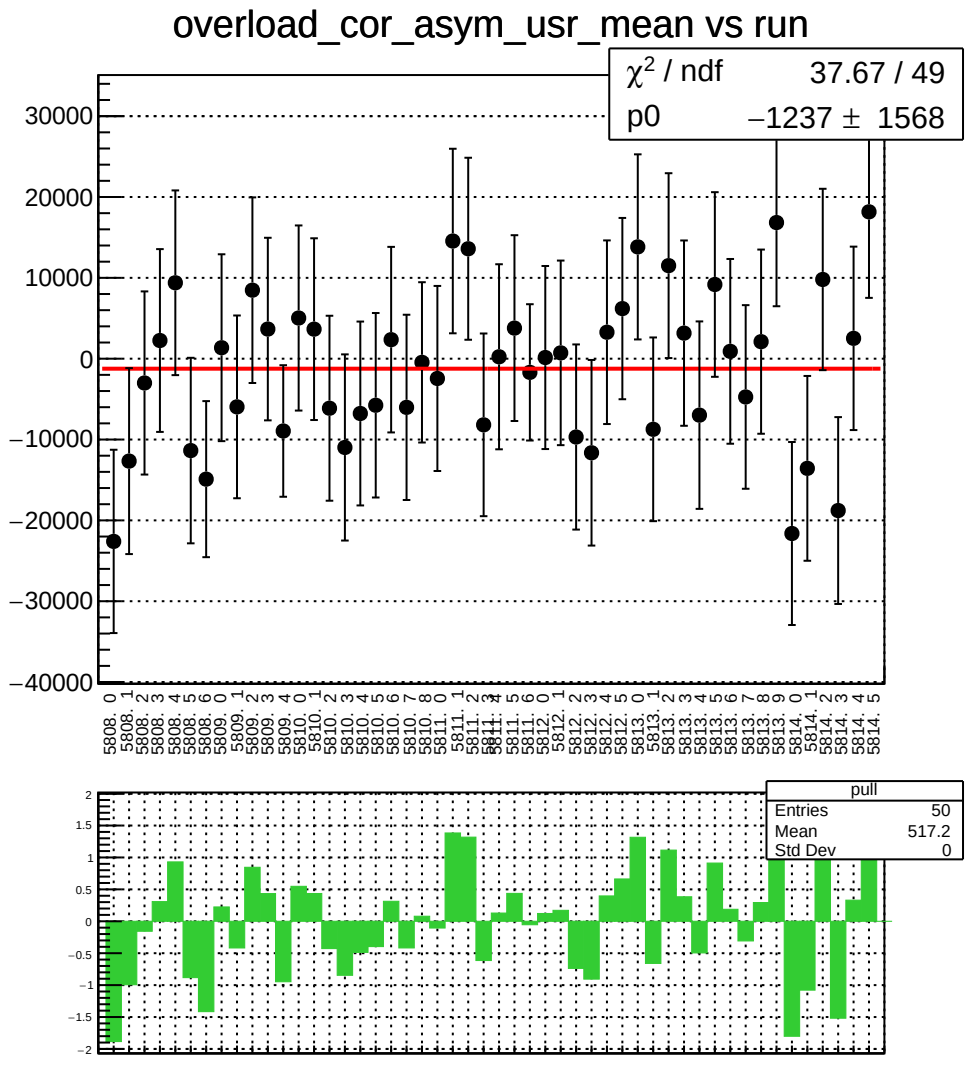
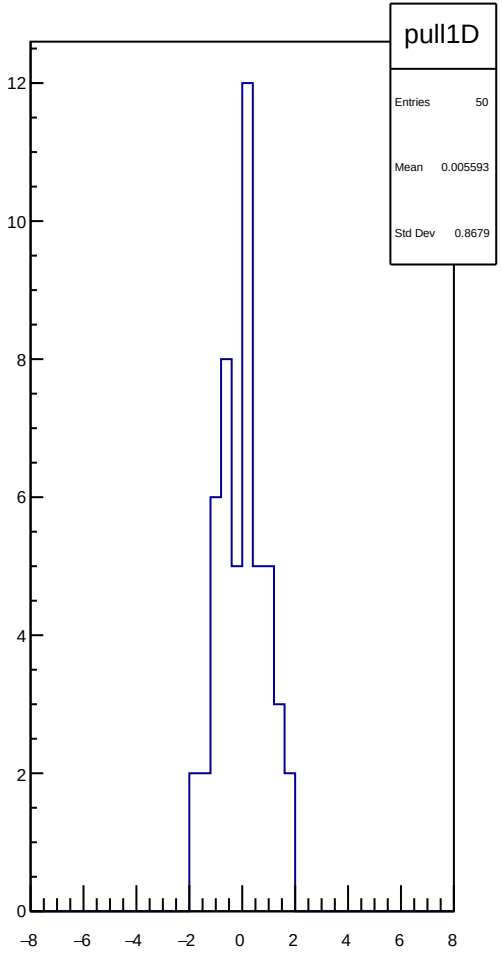
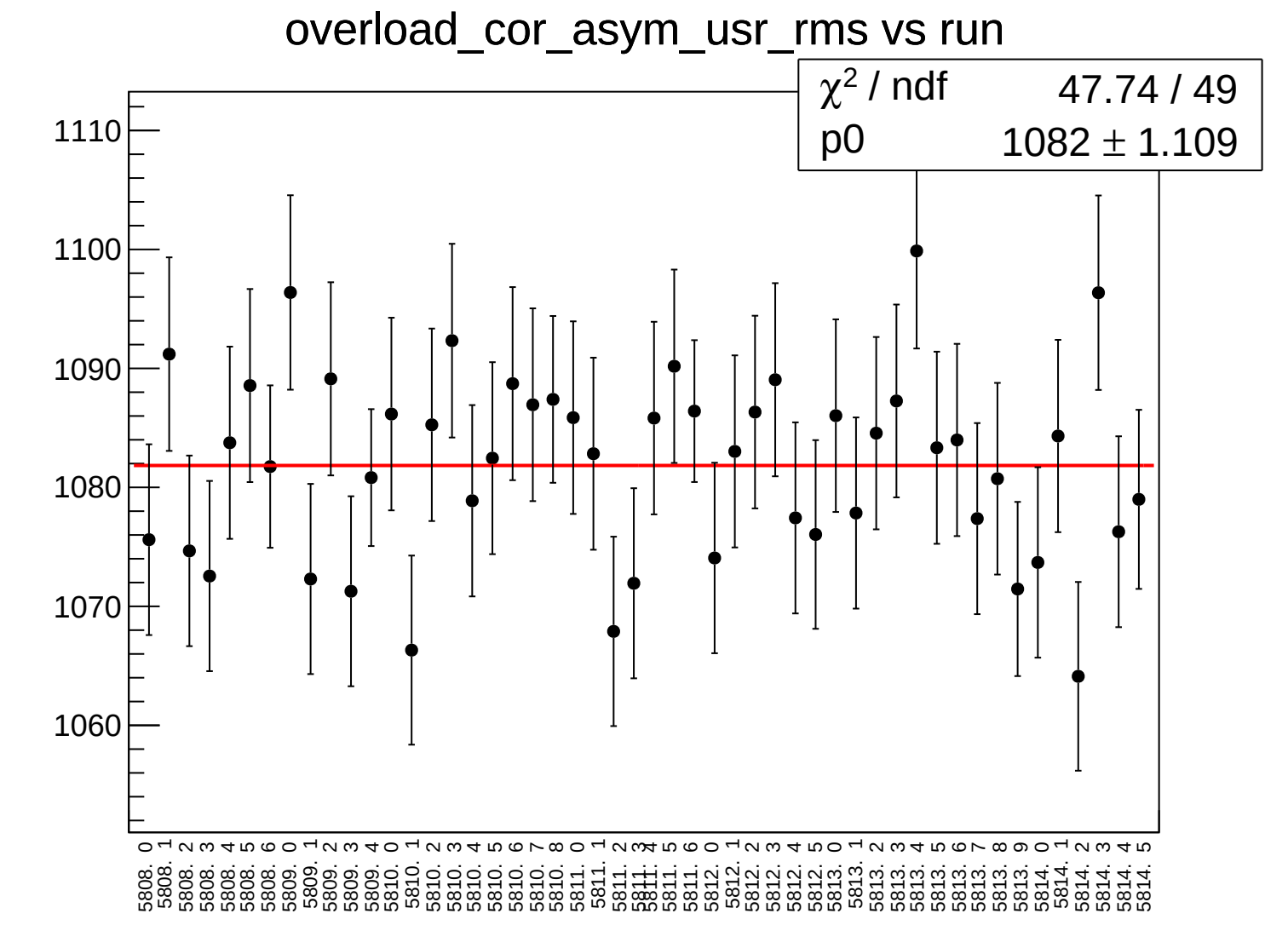
5814. 5


overload_cor_asym_usr_mean vs run
χ² / ndf 37.67 / 49
p0 −1237 ± 1568
pull
Entries 50
Mean 517.2
Std Dev 0


pull1D
Entries 50
Mean 0.005593
Std Dev 0.8679


overload_cor_asym_usr_rms vs run
χ² / ndf 47.74 / 49
p0 1082 ± 1.109
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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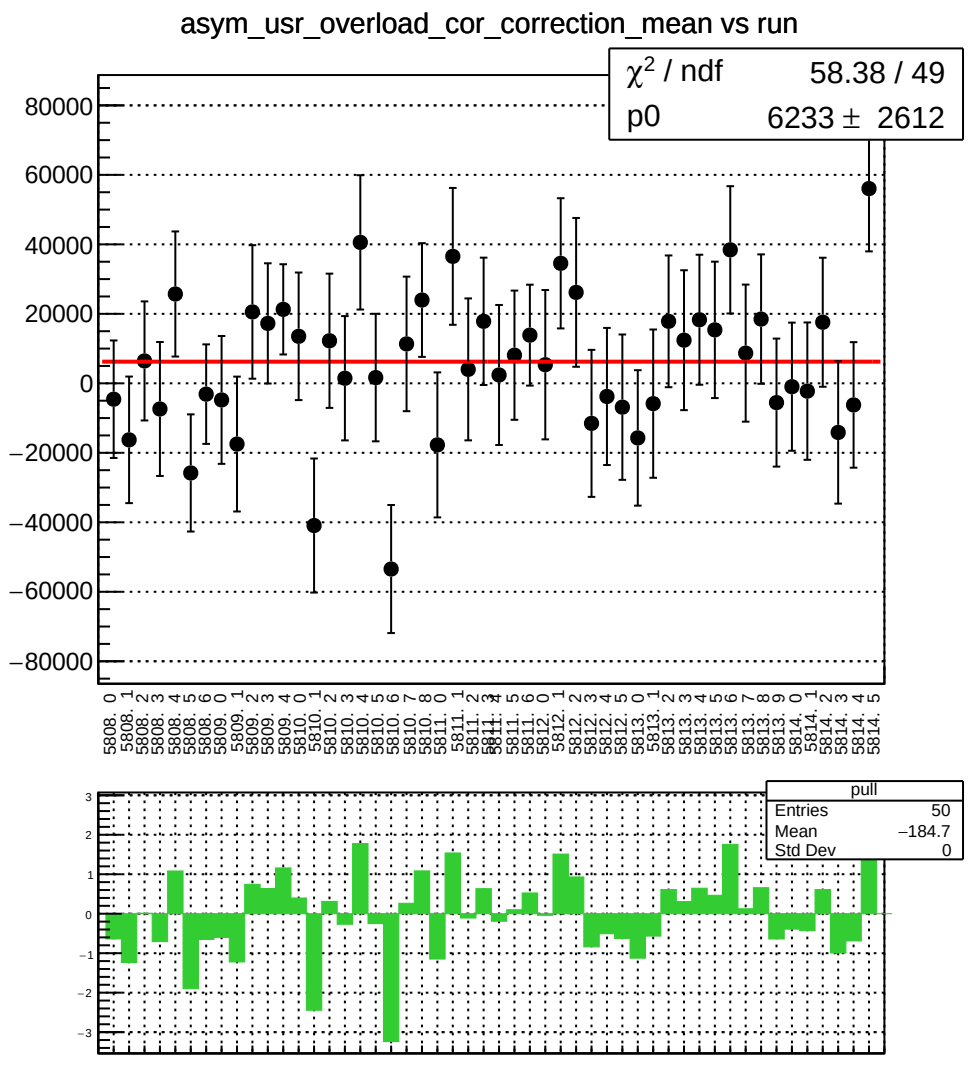
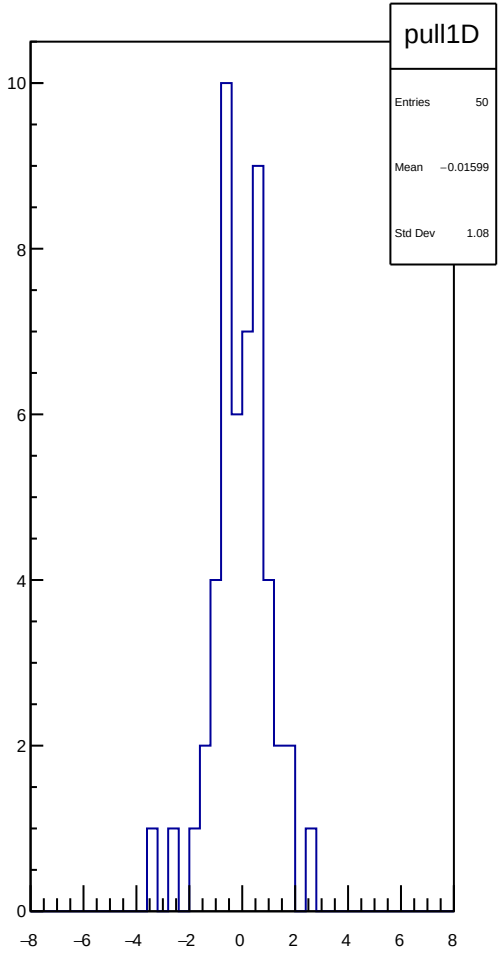
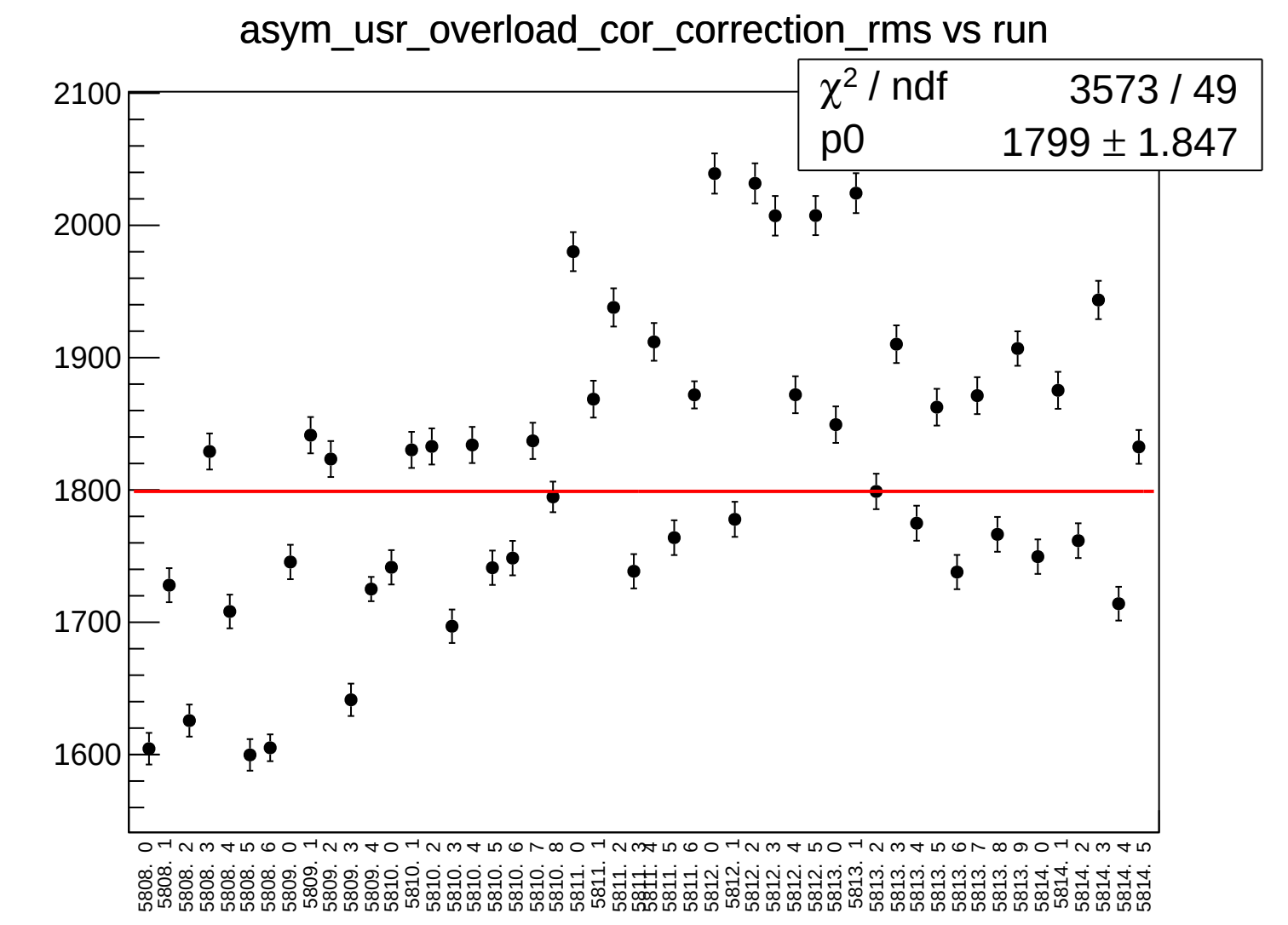
5814. 4
5814. 5


asym_usr_overload_cor_correction_mean vs run
χ² / ndf 58.38 / 49
p0 6233 ± 2612
pull
Entries 50
Mean −184.7
Std Dev 0


pull1D
Entries 50
Mean −0.01599
Std Dev 1.08


asym_usr_overload_cor_correction_rms vs run
χ² / ndf 3573 / 49
p0 1799 ± 1.847
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
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5810. 8
5811. 0
5811. 1
5811. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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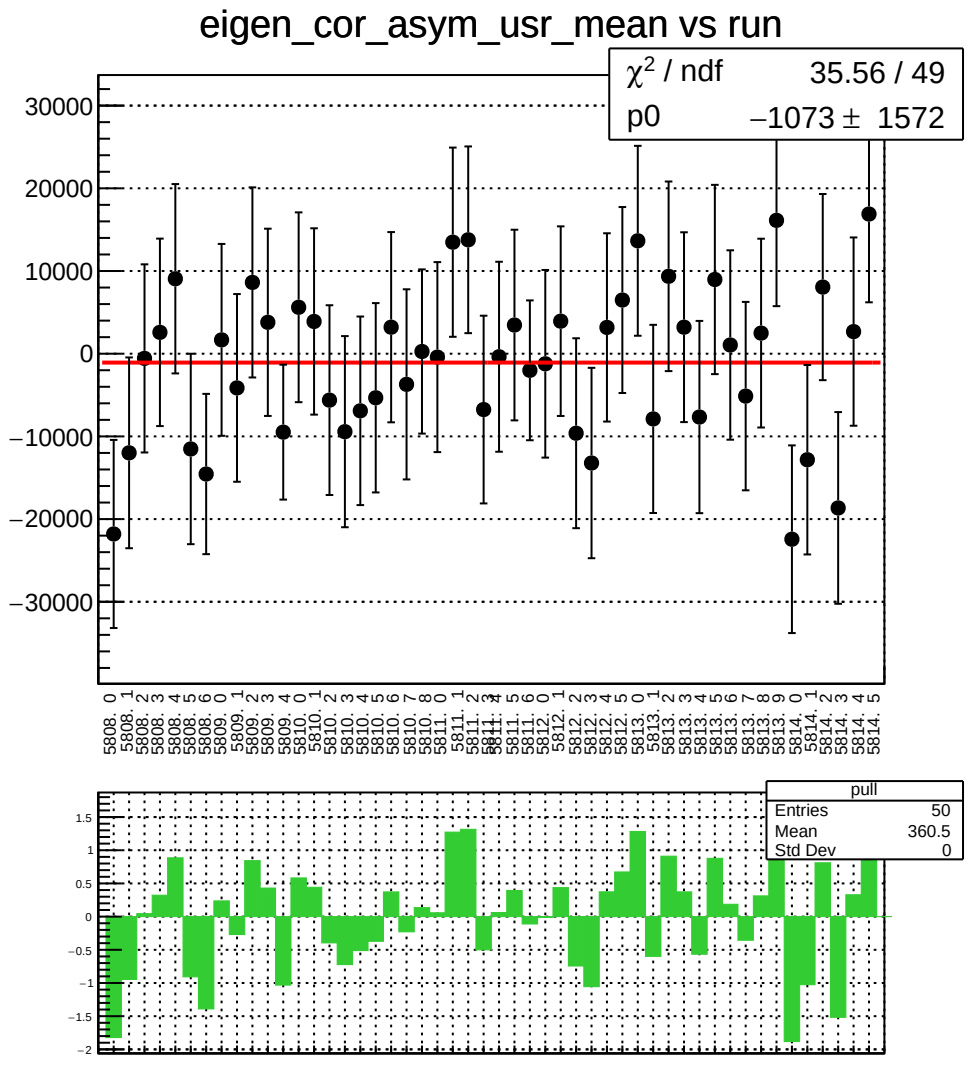
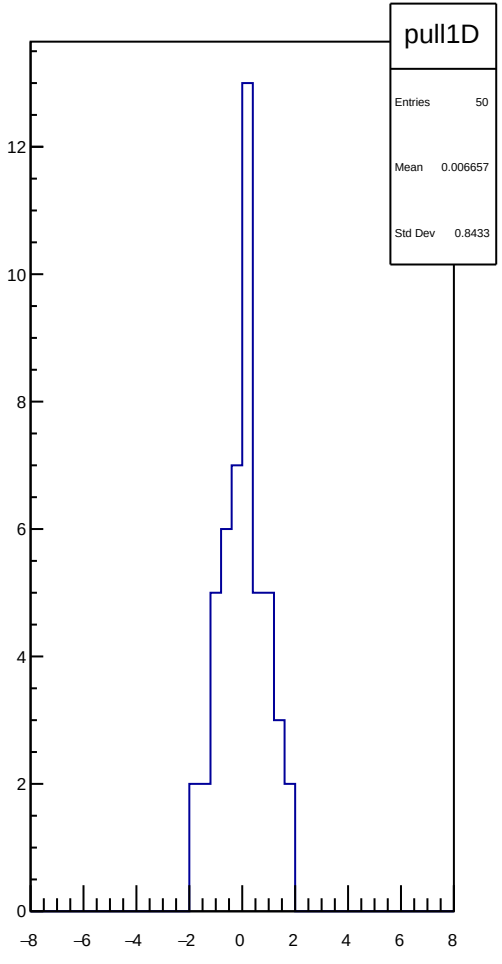
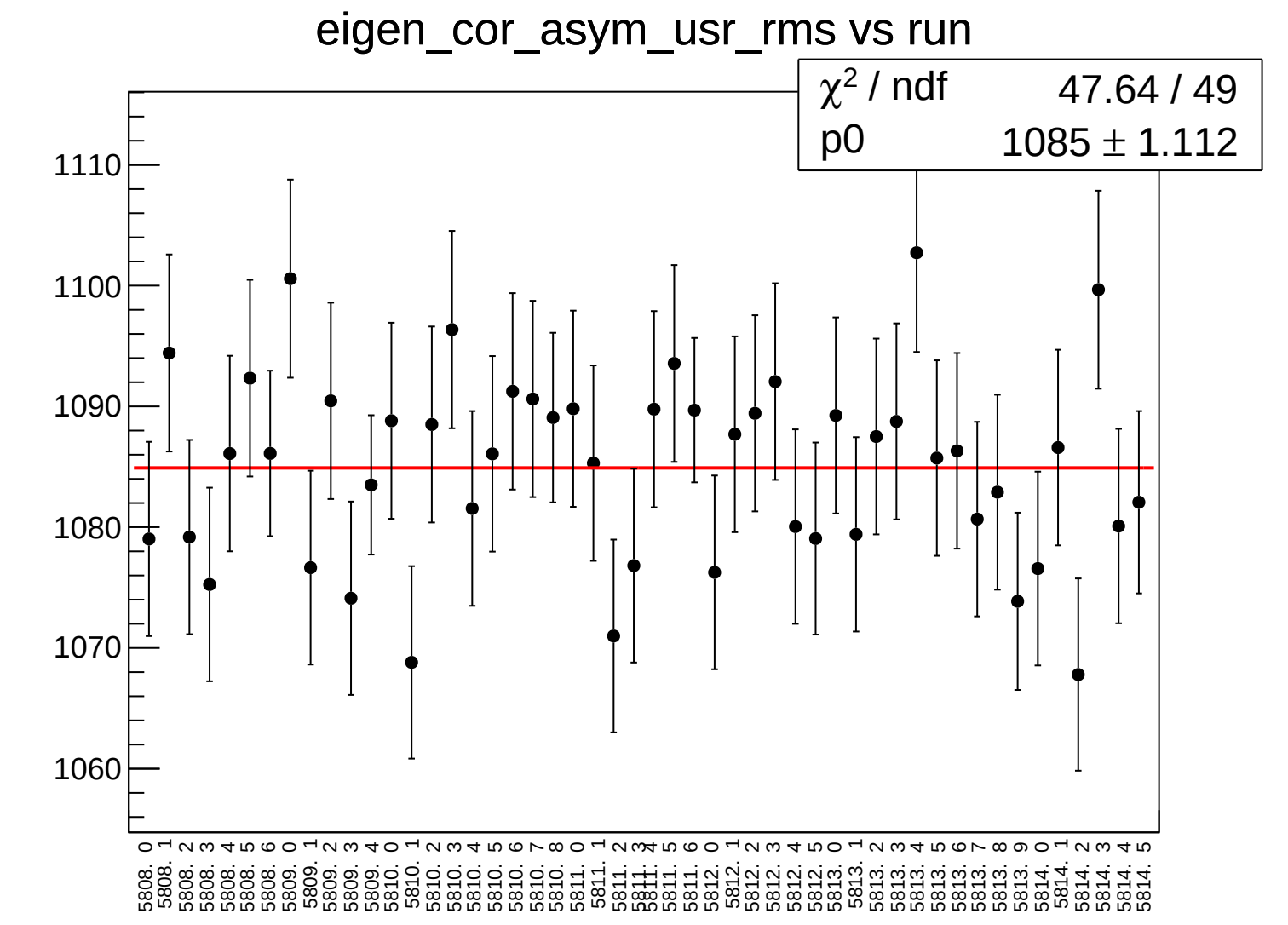
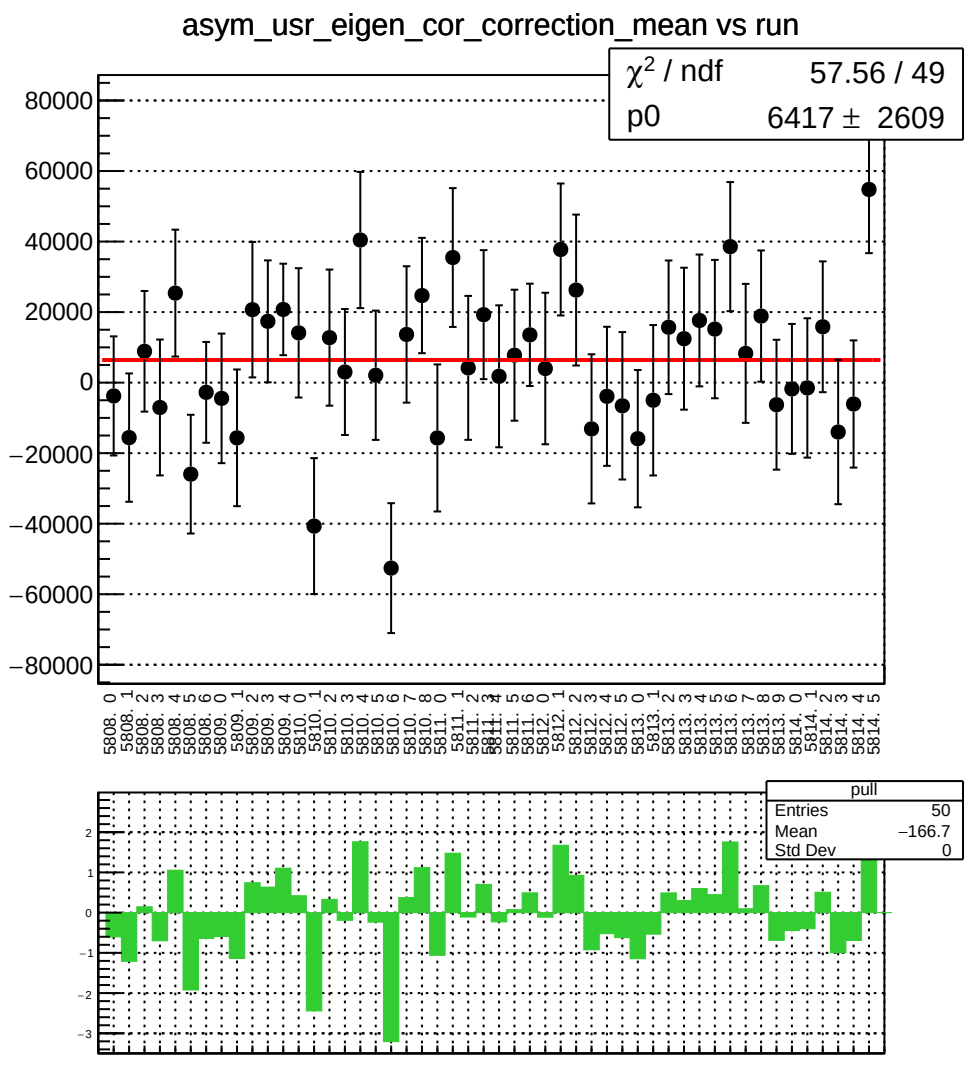
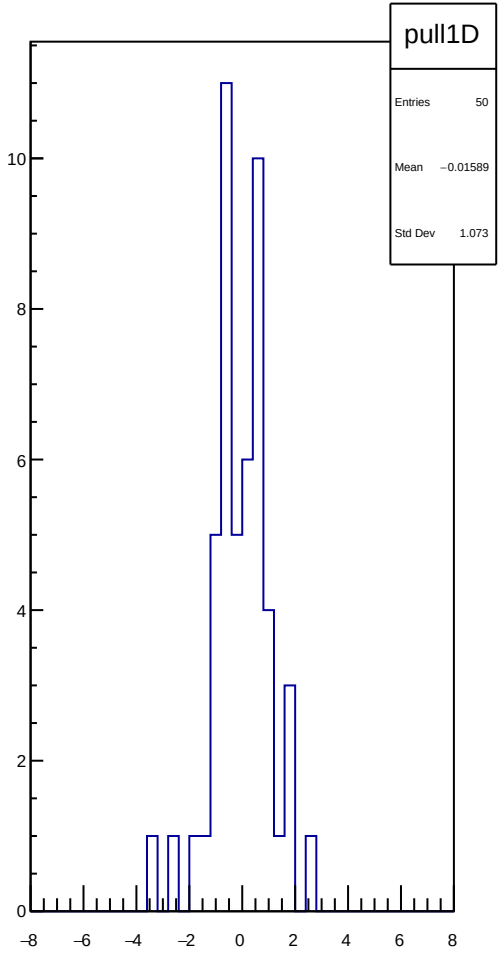
5814. 5

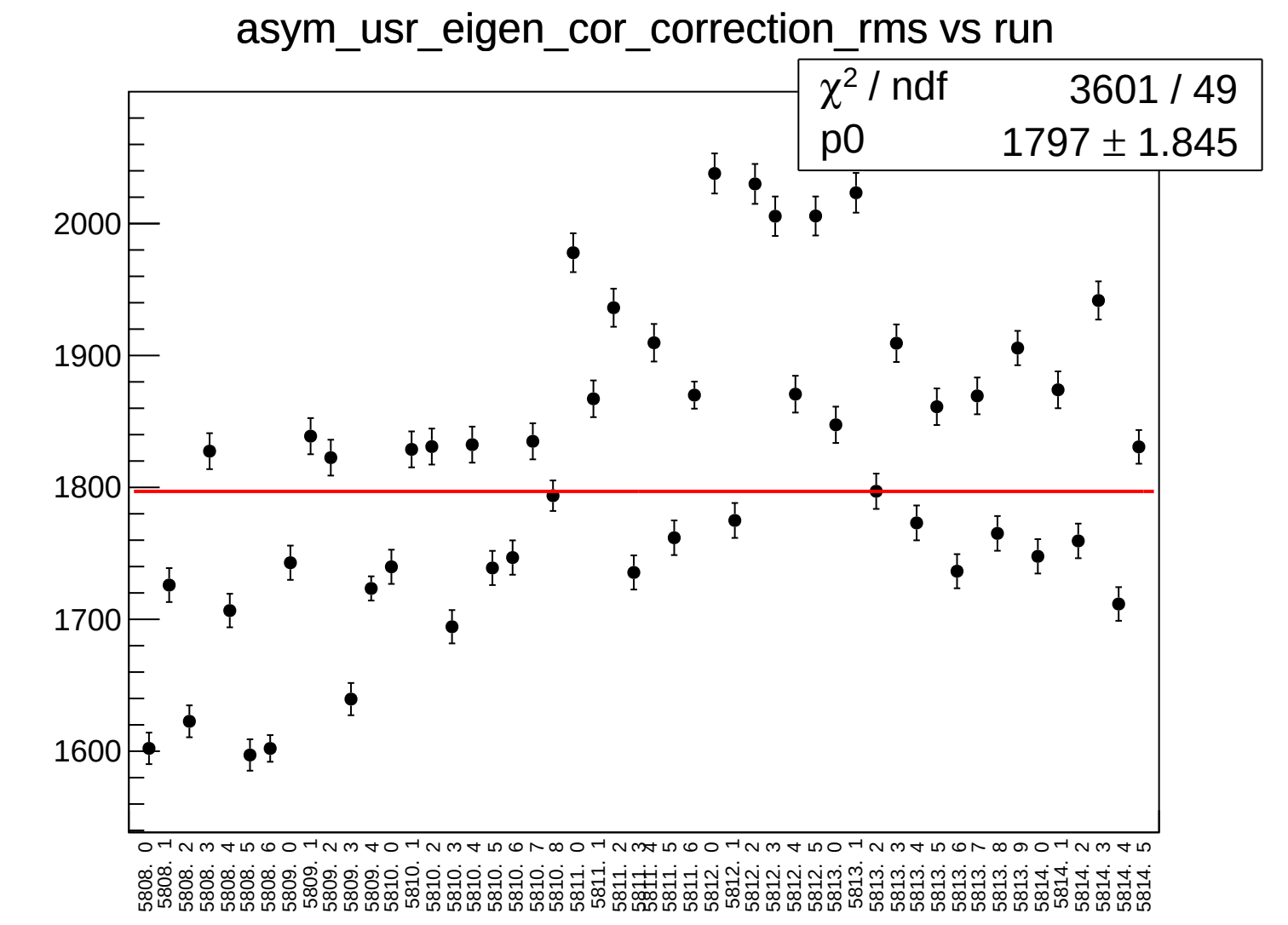

eigen_cor_asym_usr_mean vs run
χ² / ndf 35.56 / 49
p0 −1073 ± 1572
pull
Entries 50
Mean 360.5
Std Dev 0

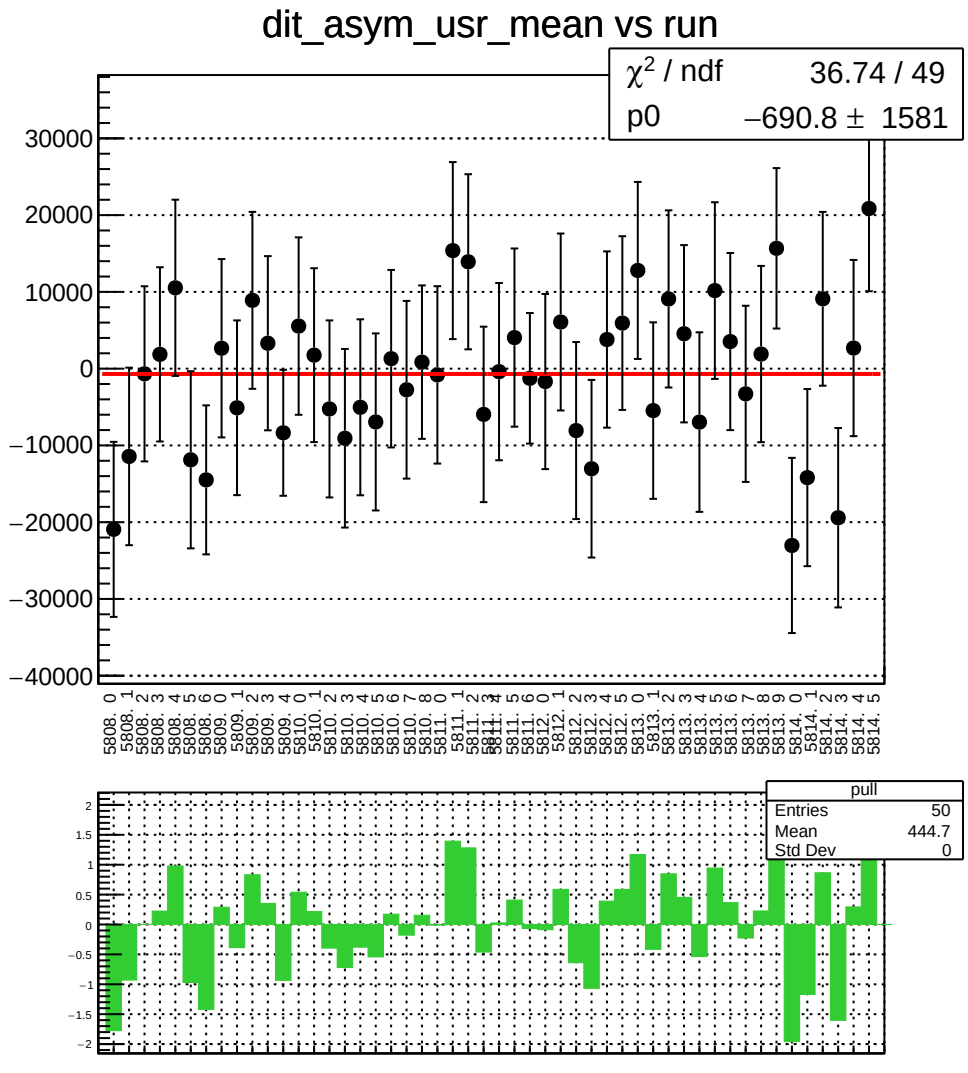

pull1D
Entries 50
Mean 0.006657
Std Dev 0.8433

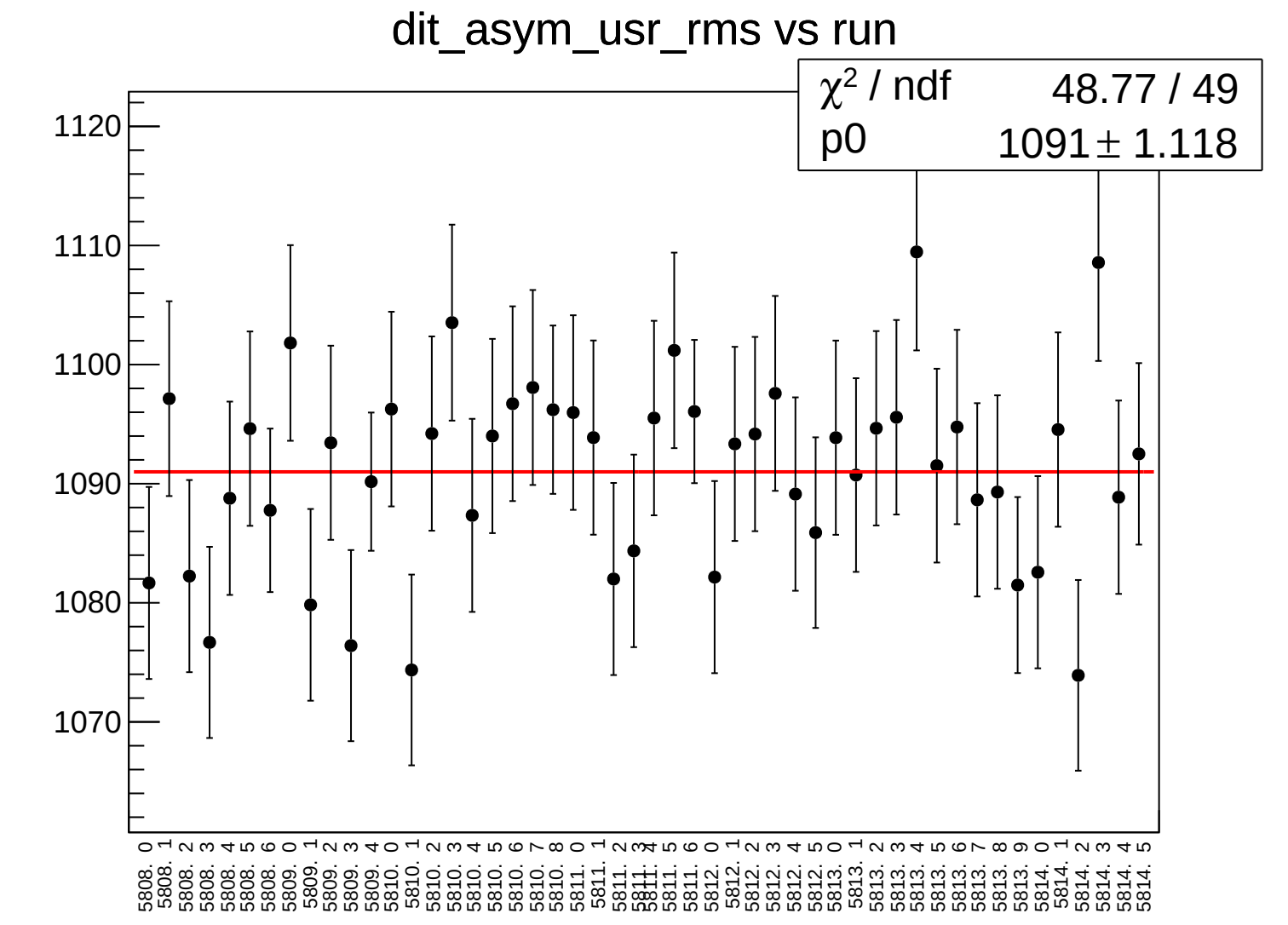

eigen_cor_asym_usr_rms vs run
χ² / ndf 47.64 / 49
p0 1085 ± 1.112
1110
1100
1090
1080
1070
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

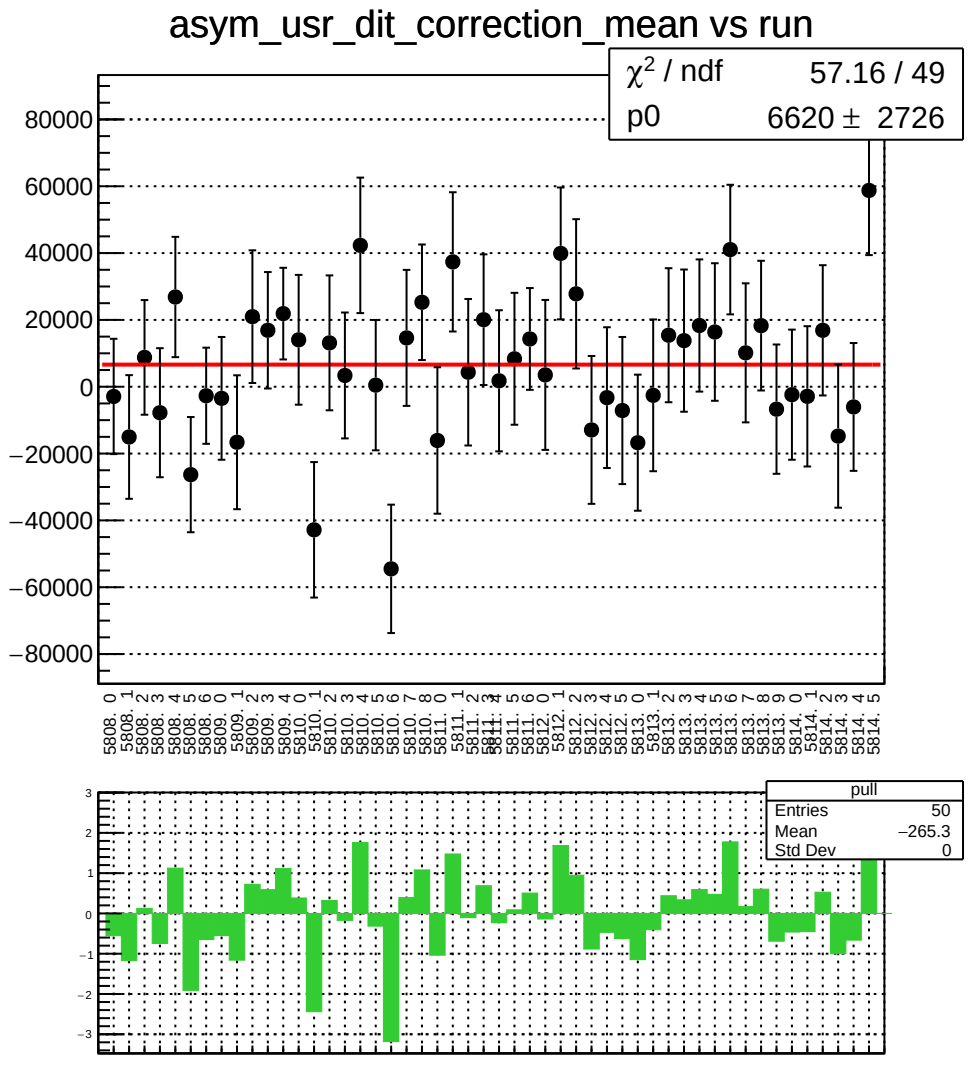

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 57.56 / 49
p0 6417 ± 2609
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −166.7
Std Dev 0
2
1
0
−1
−2
−3

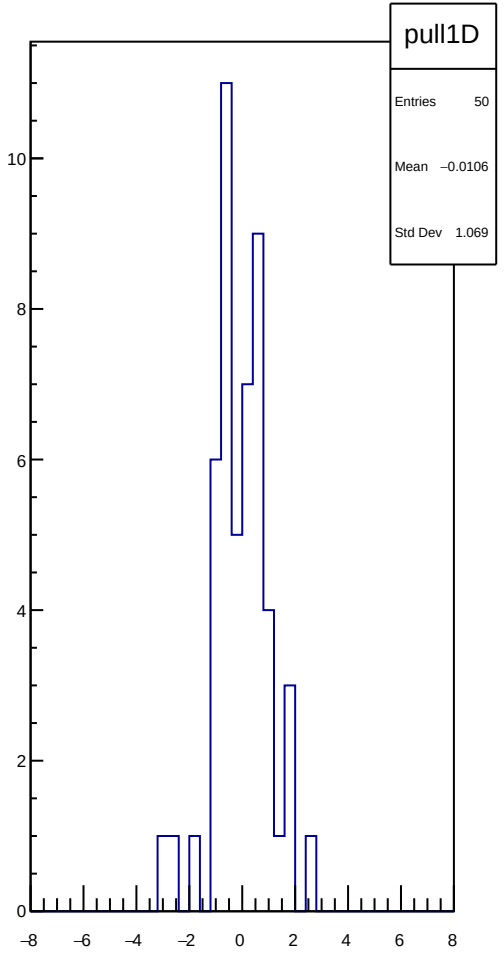

pull1D
Entries 50
Mean −0.01589
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

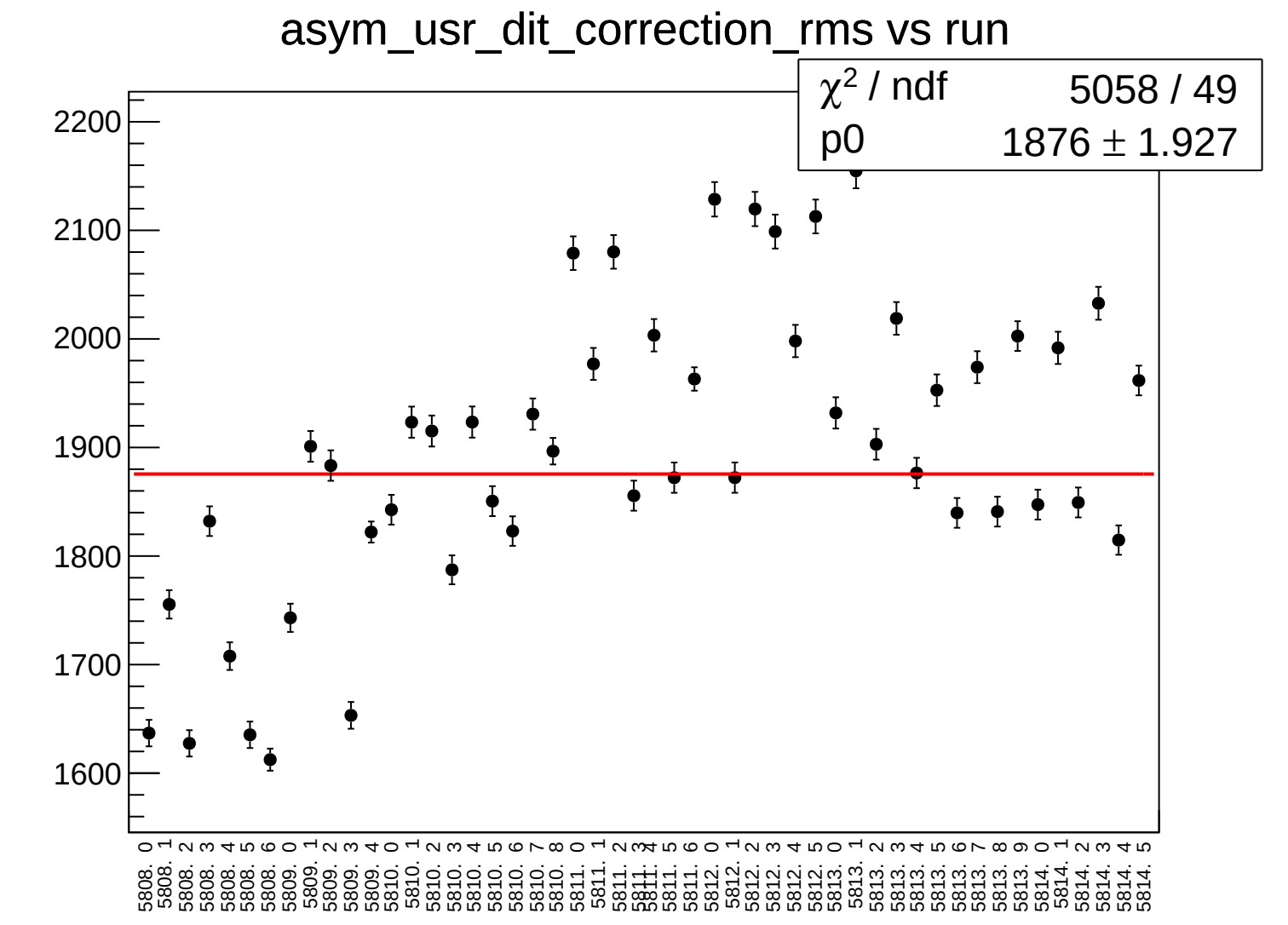

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 3601 / 49
p0 1797 ± 1.845
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

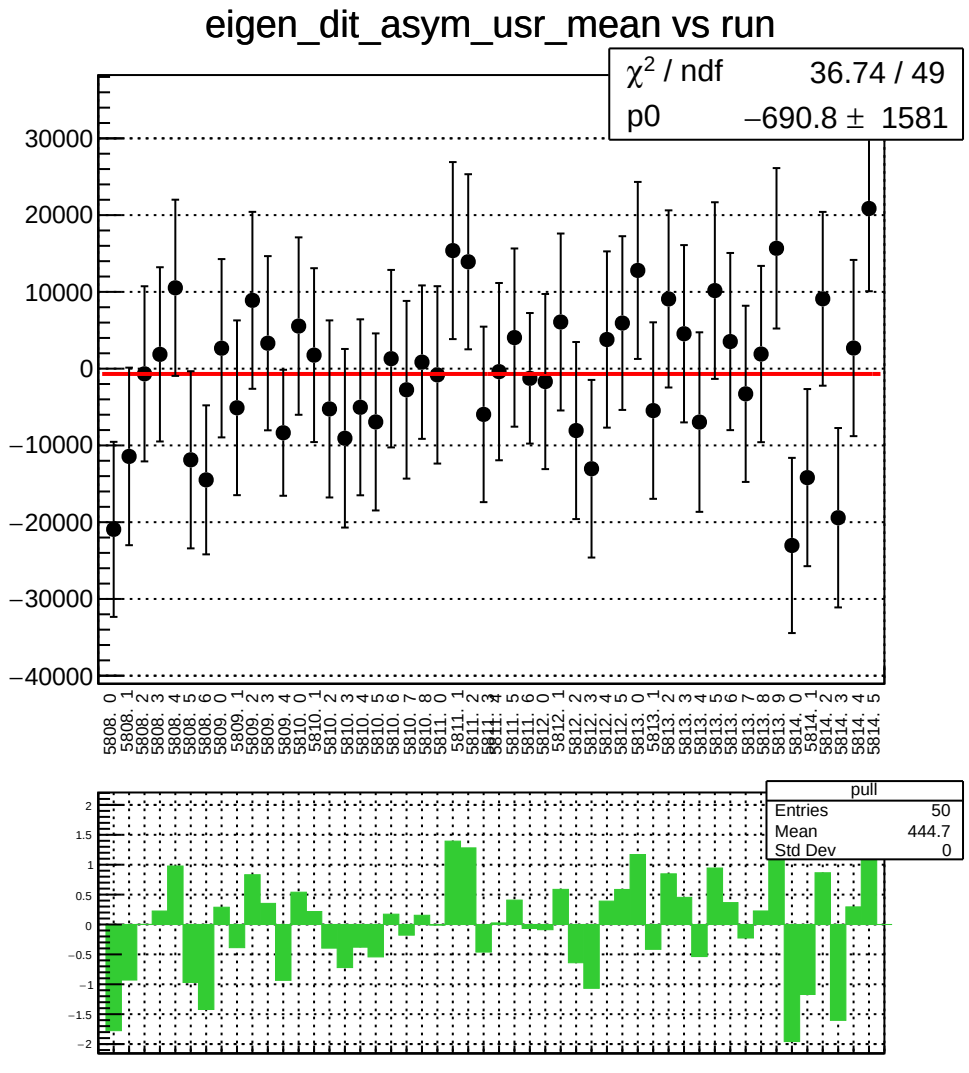

dit_asym_usr_mean vs run
χ² / ndf 36.74 / 49
p0 −690.8 ± 1581
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 444.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.005939
Std Dev 0.8572
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

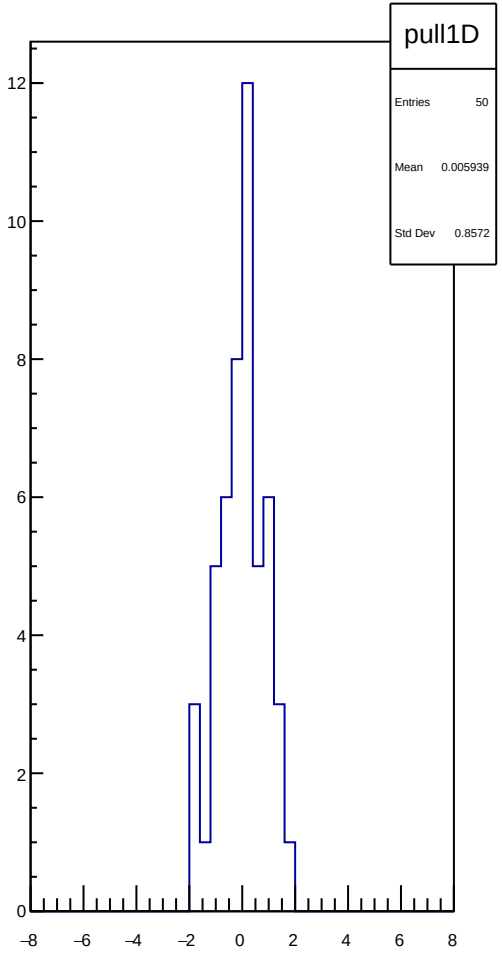

dit_asym_usr_rms vs run
χ² / ndf 48.77 / 49
p0 1091 ± 1.118
1120
1110
1100
1090
1080
1070
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

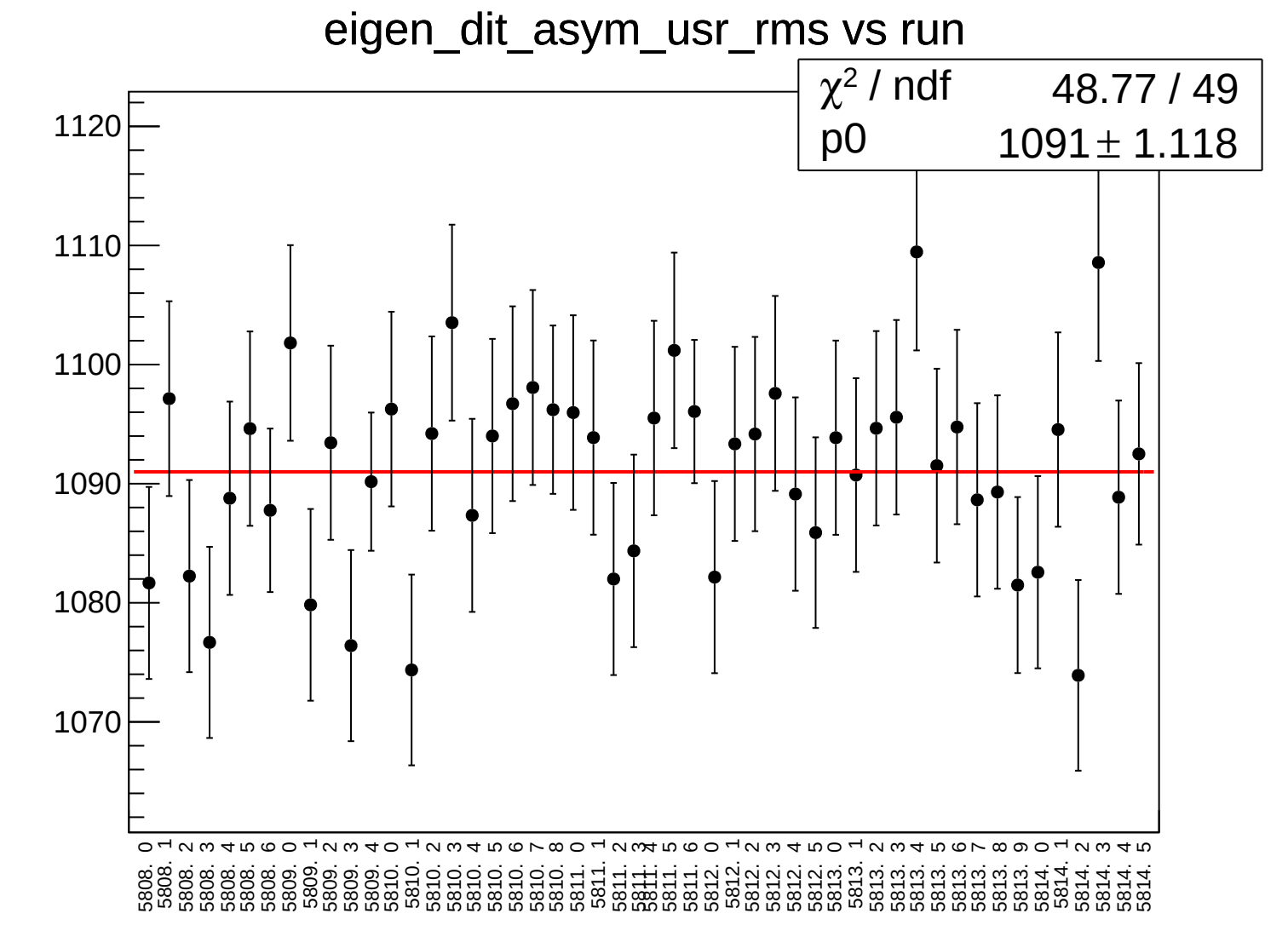

asym_usr_dit_correction_mean vs run
χ² / ndf 57.16 / 49
p0 6620 ± 2726
pull
Entries 50
Mean −265.3
Std Dev 0

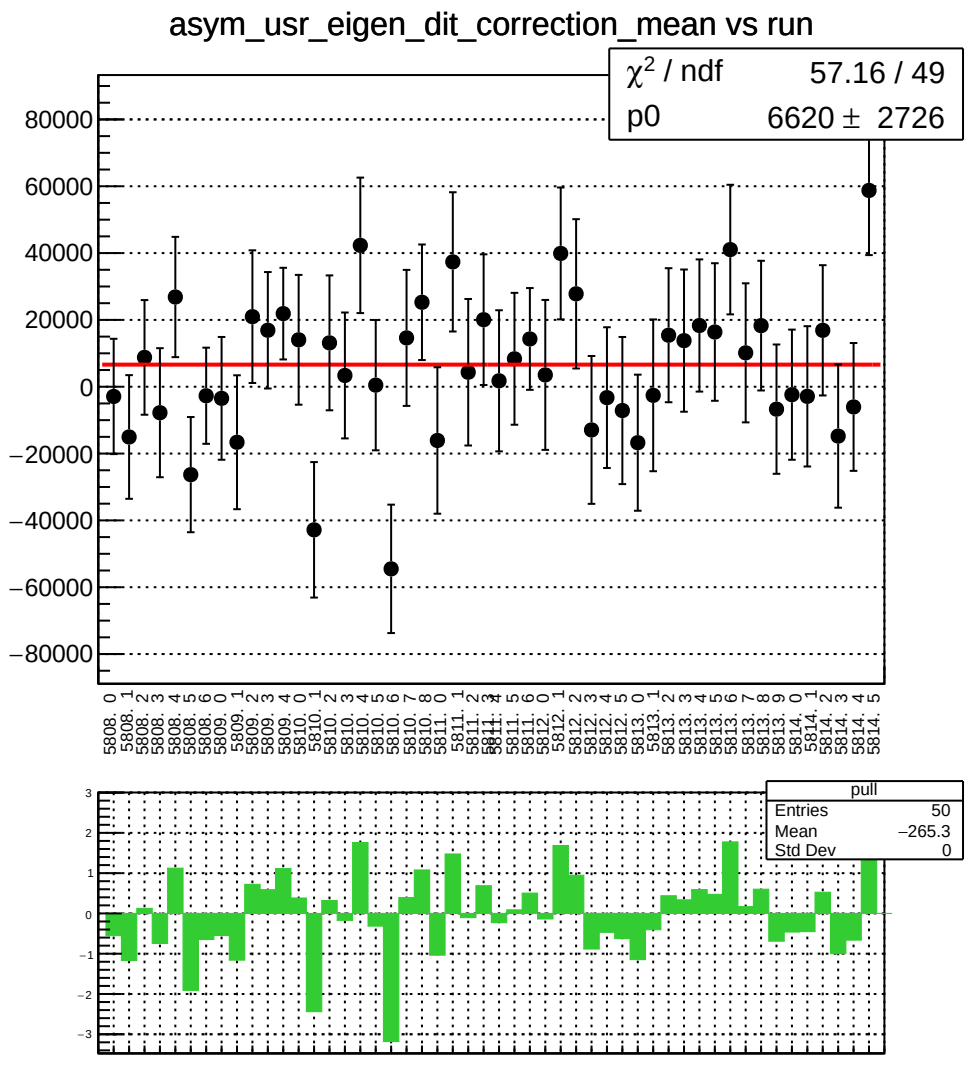

pull1D
Entries 50
Mean −0.0106
Std Dev 1.069

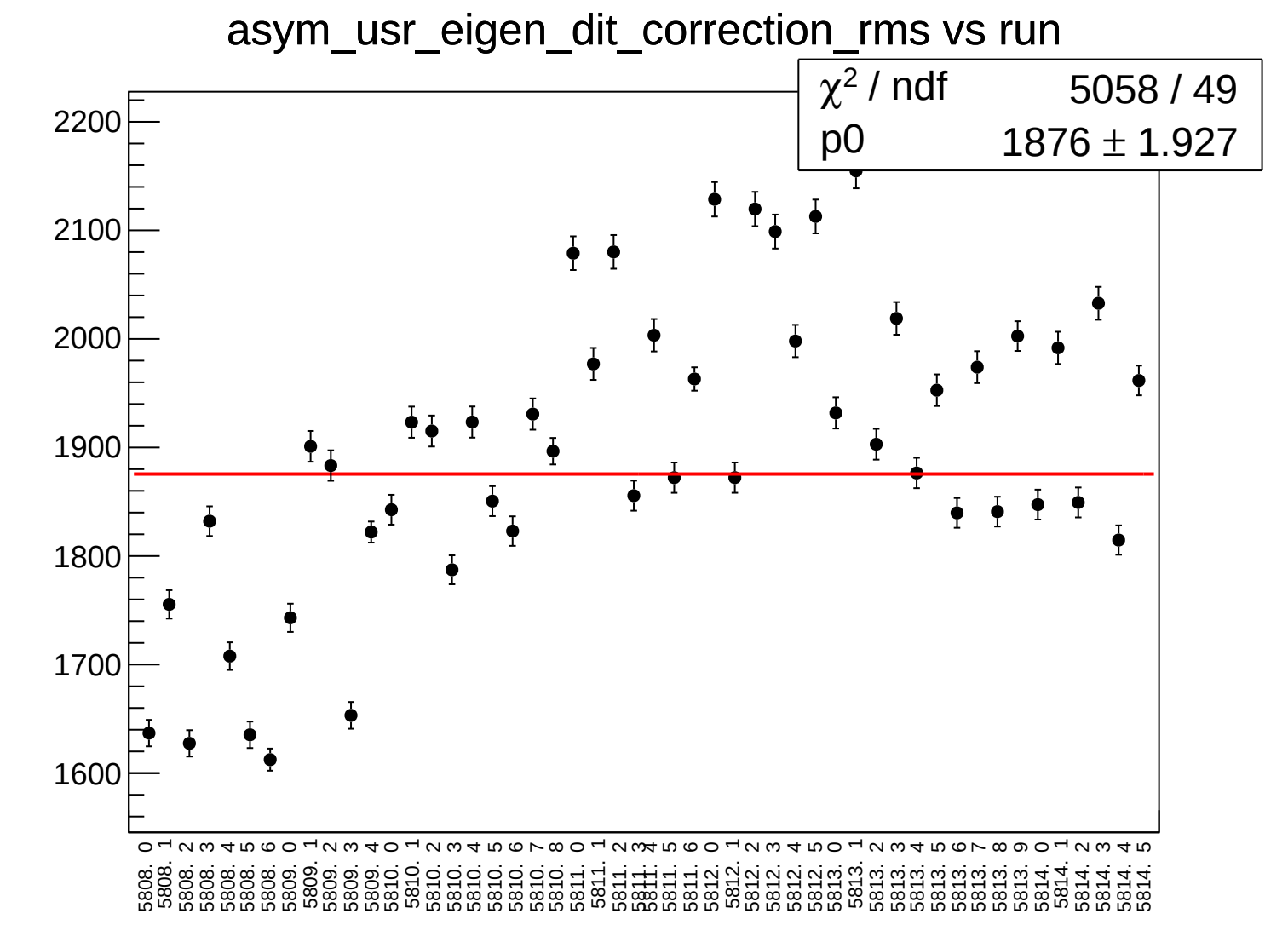

asym_usr_dit_correction_rms vs run
χ² / ndf 5058 / 49
p0 1876 ± 1.927
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

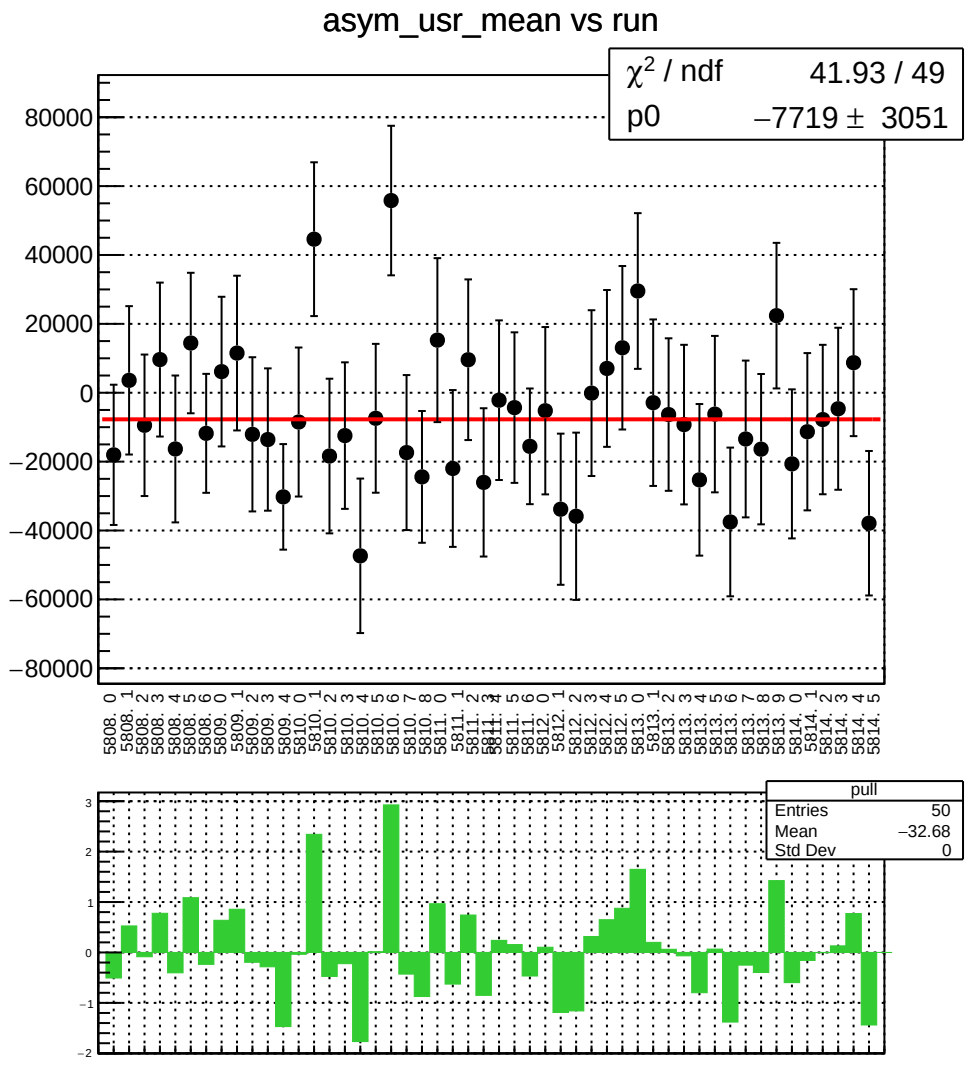

eigen_dit_asym_usr_mean vs run
χ² / ndf 36.74 / 49
p0 −690.8 ± 1581
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 444.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

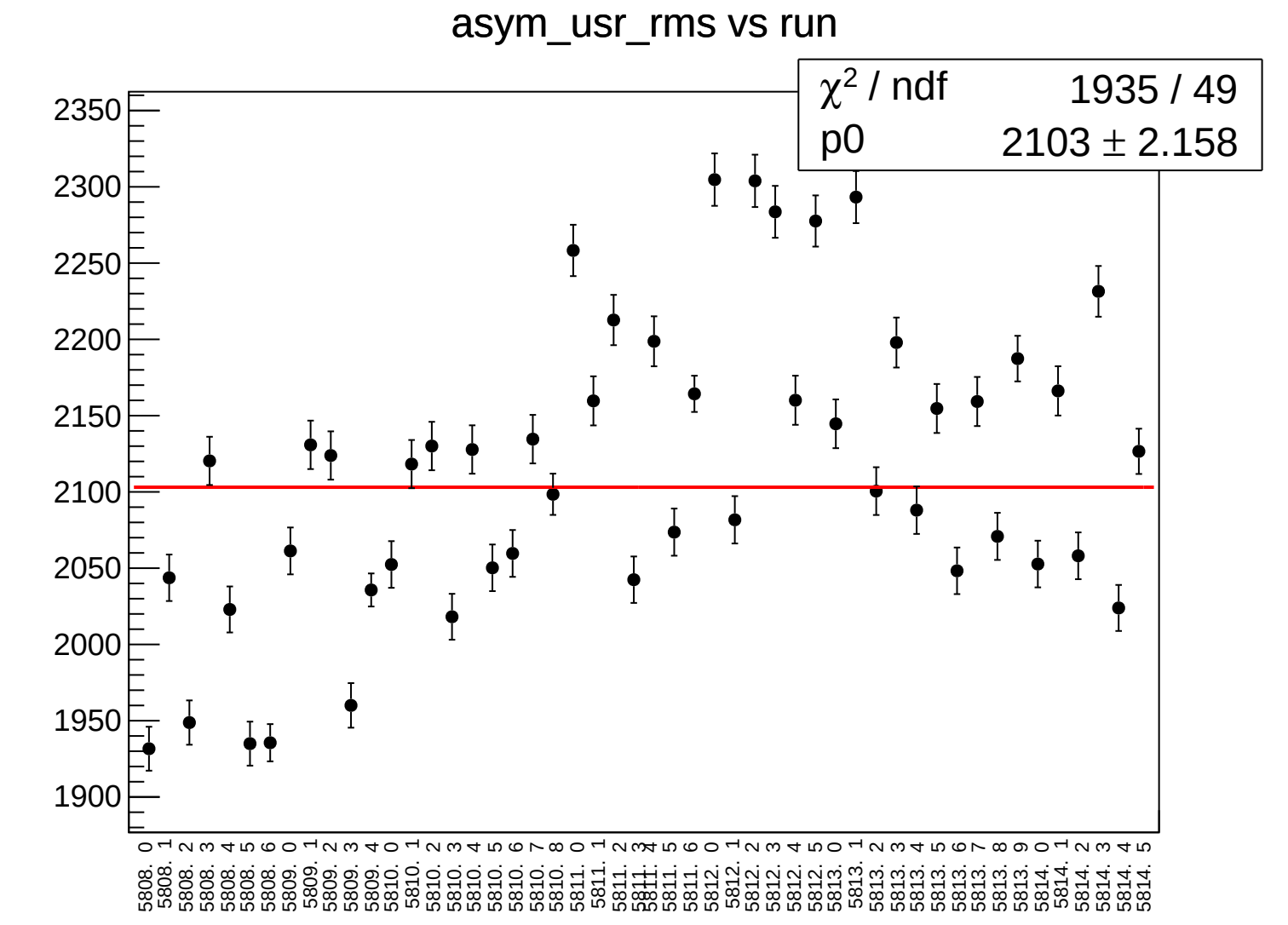

pull1D
Entries 50
Mean 0.005939
Std Dev 0.8572
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

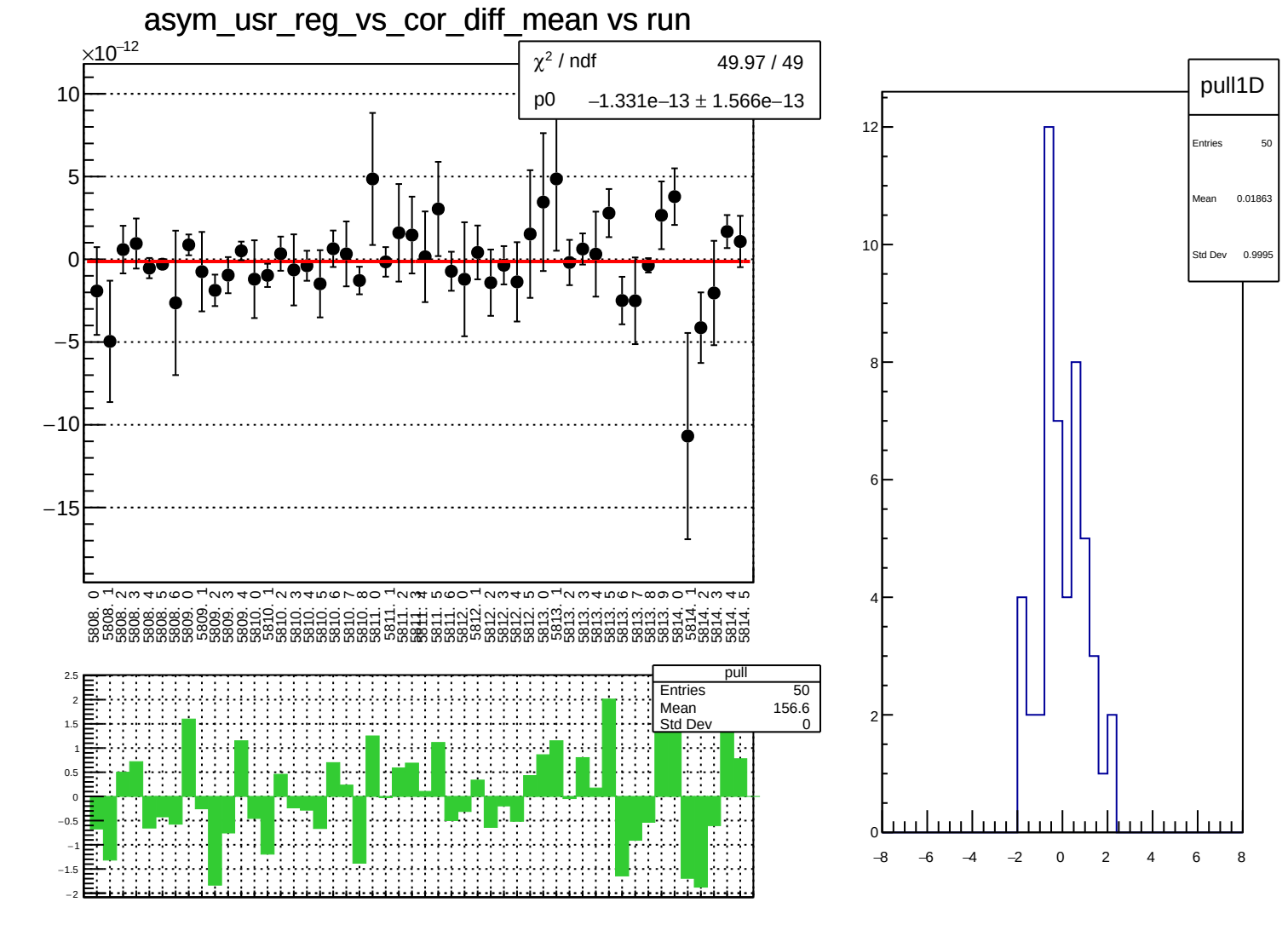

eigen_dit_asym_usr_rms vs run
χ² / ndf 48.77 / 49
p0 1091 ± 1.118
1120
1110
1100
1090
1080
1070
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

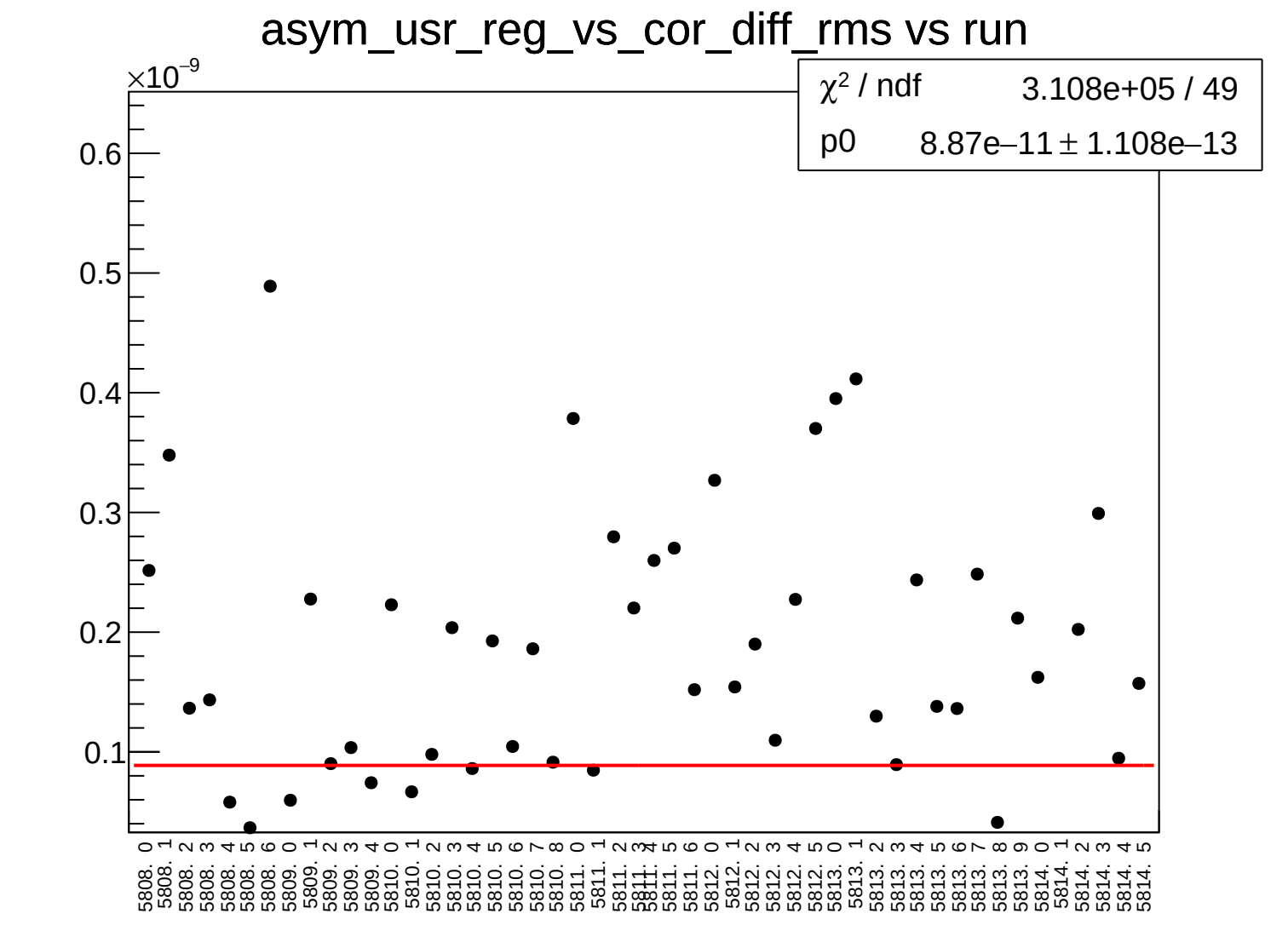

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 57.16 / 49
p0 6620 ± 2726
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −265.3
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0106
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

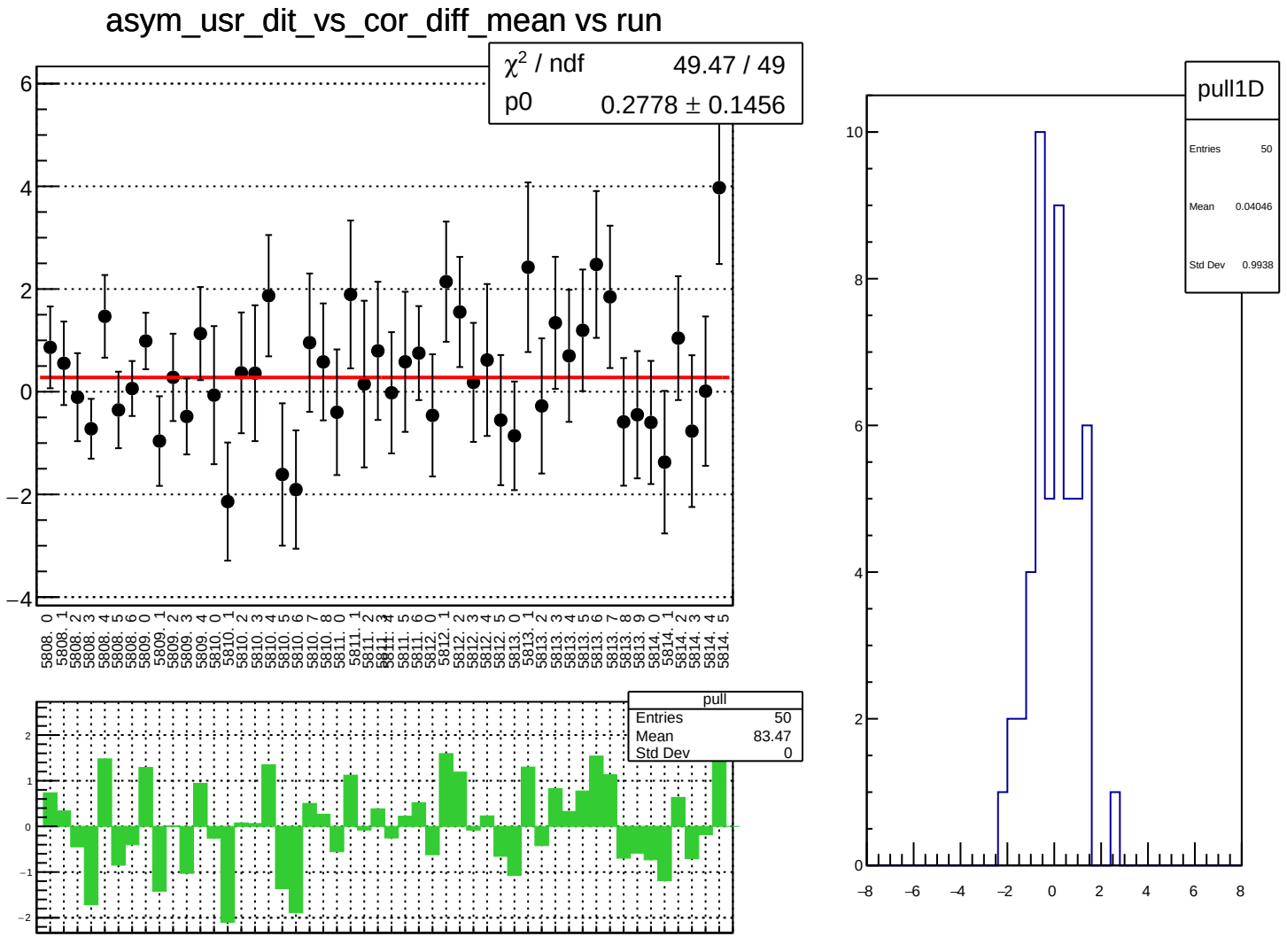

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 5058 / 49
p0 1876 ± 1.927
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

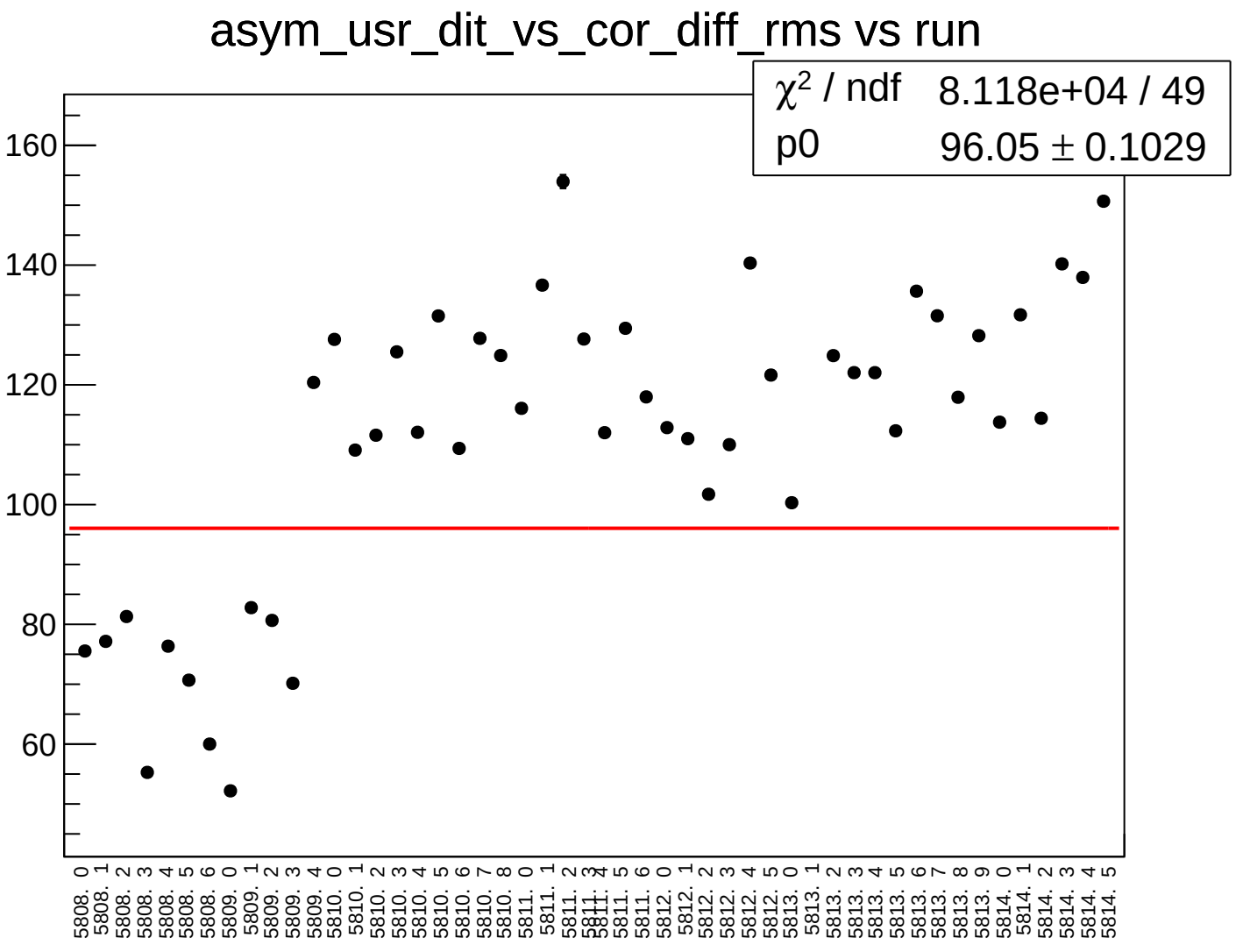

asym_usr_mean vs run
χ² / ndf 41.93 / 49
p0 −7719 ± 3051
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −32.68
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02308
Std Dev 0.9155
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

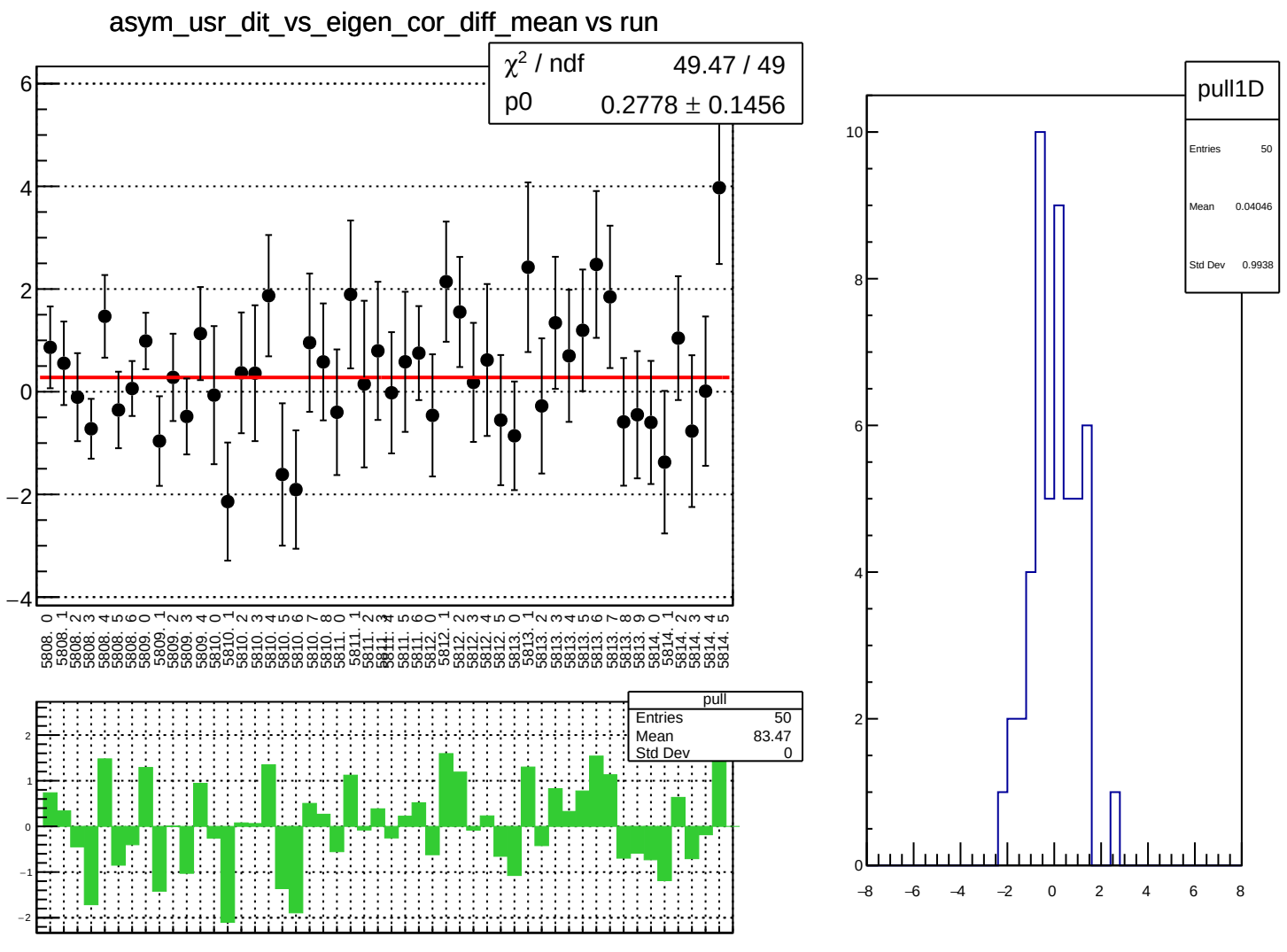

asym_usr_rms vs run
χ^2 / ndf 1935 / 49
p0 2103 ± 2.158
2350
2300
2250
2200
2150
2100
2050
2000
1950
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

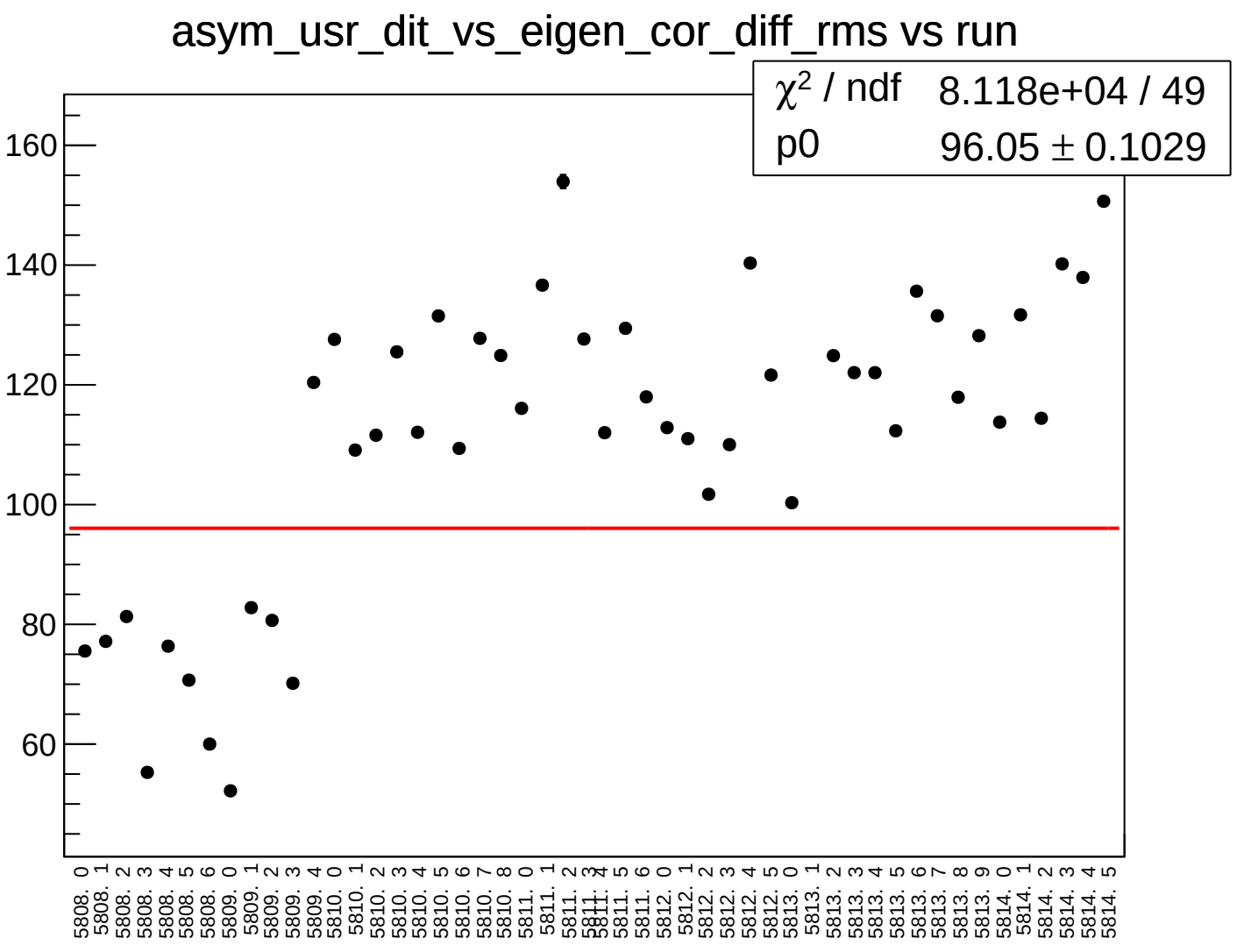

asym_usr_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.97 / 49
p0 −1.331e−13 ± 1.566e−13
pull
Entries 50
Mean 156.6
Std Dev 0
pull1D
Entries 50
Mean 0.01863
Std Dev 0.9995

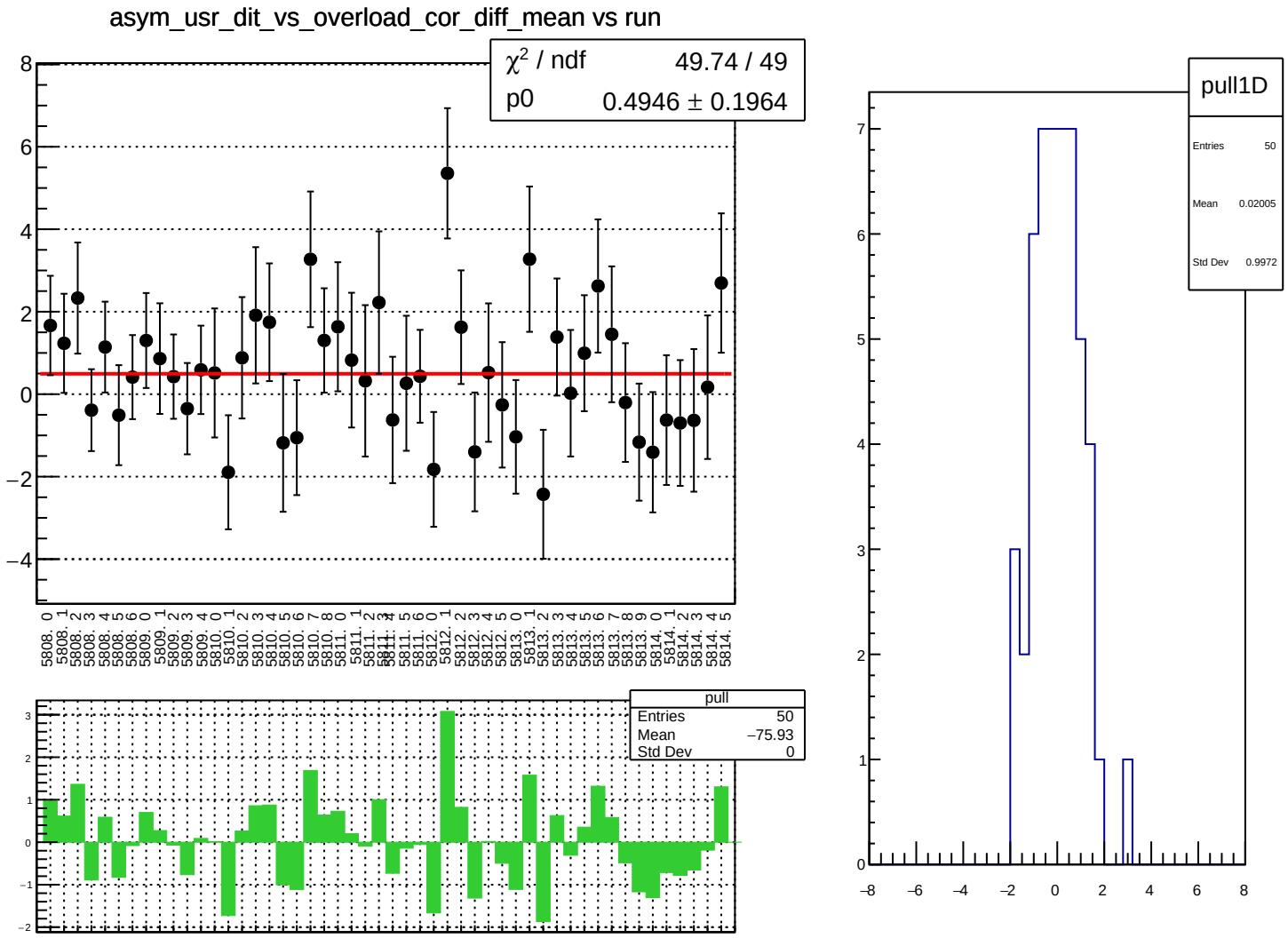

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.108e+05 / 49
p0 8.87e−11 ± 1.108e−13
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

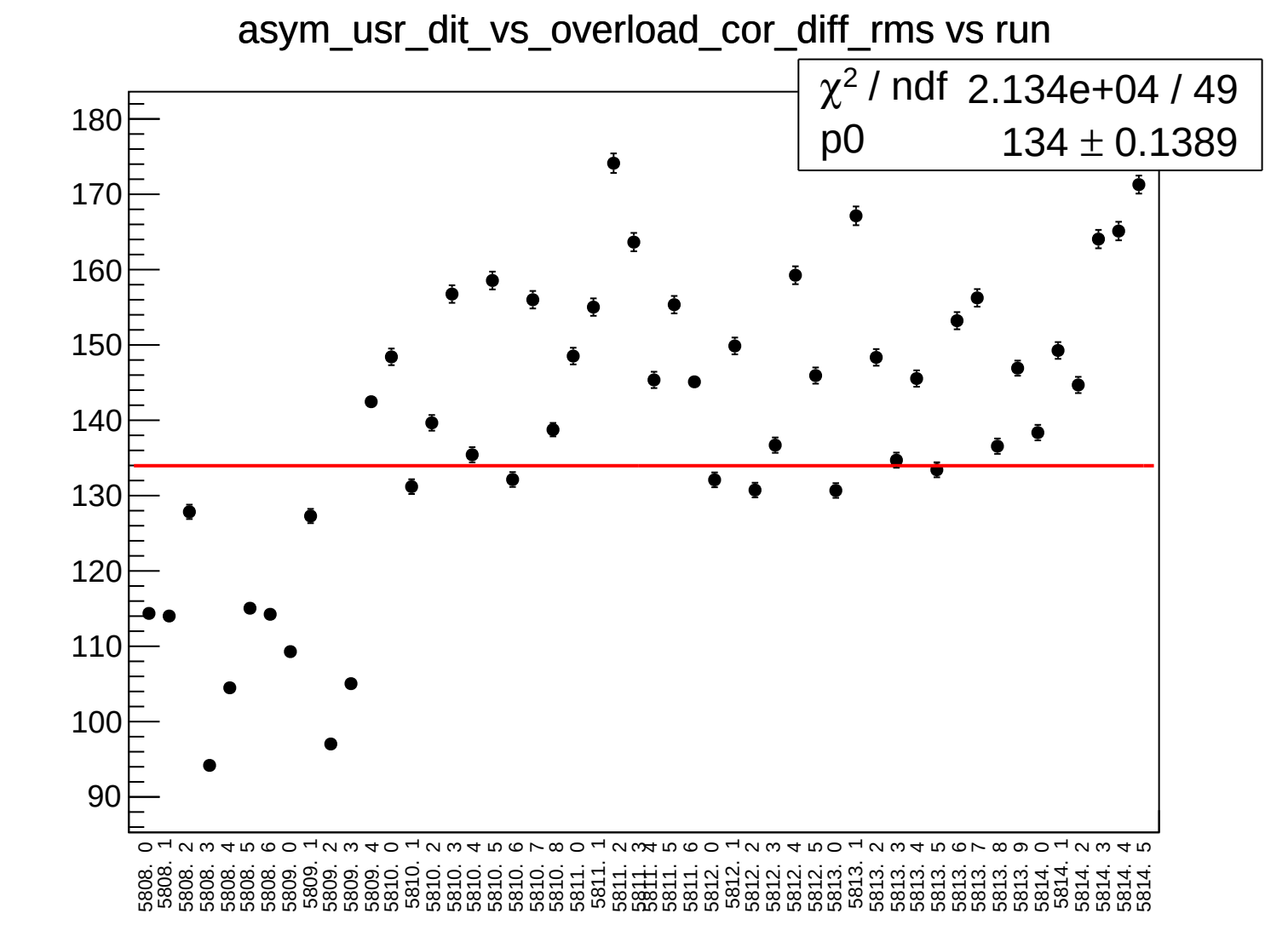

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 49.47 / 49
p0 0.2778 ± 0.1456
pull
Entries 50
Mean 83.47
Std Dev 0
pull1D
Entries 50
Mean 0.04046
Std Dev 0.9938

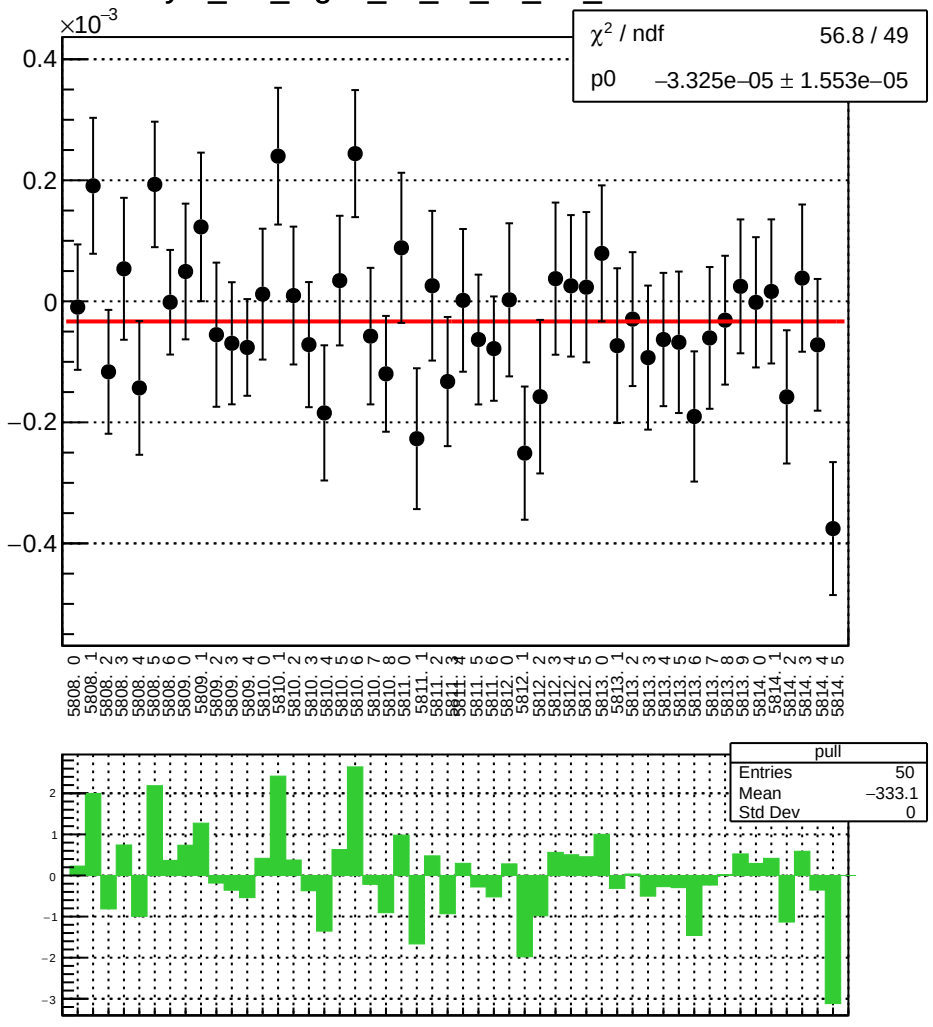

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 8.118e+04 / 49
p0 96.05 ± 0.1029
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

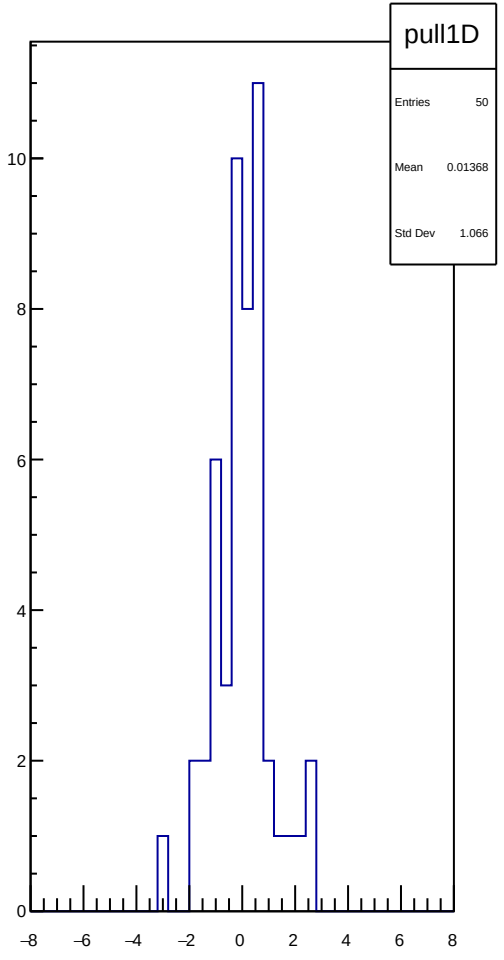

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.47 / 49
p0 0.2778 ± 0.1456
pull
Entries 50
Mean 83.47
Std Dev 0
pull1D
Entries 50
Mean 0.04046
Std Dev 0.9938

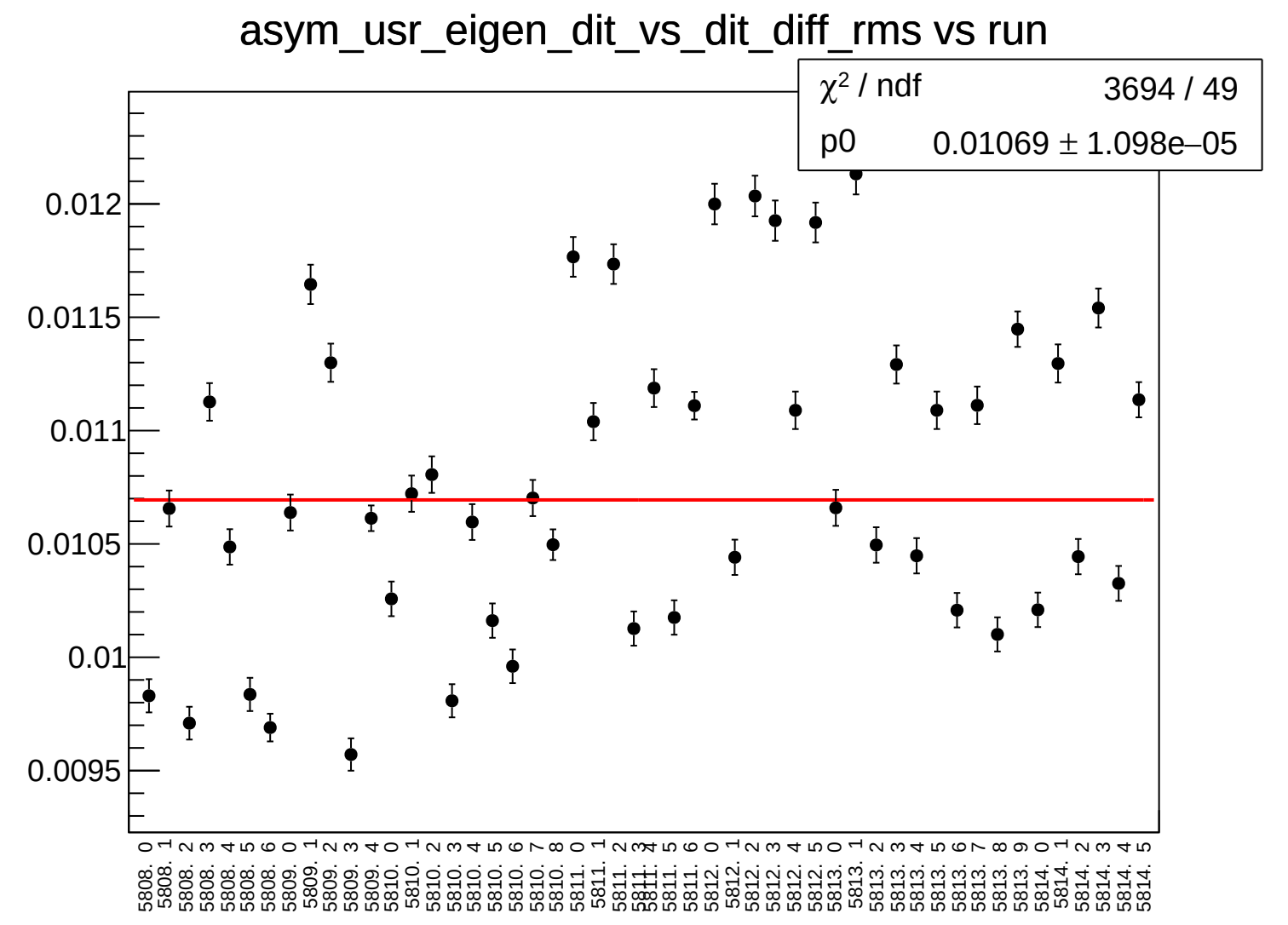

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.118e+04 / 49
p0 96.05 ± 0.1029
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

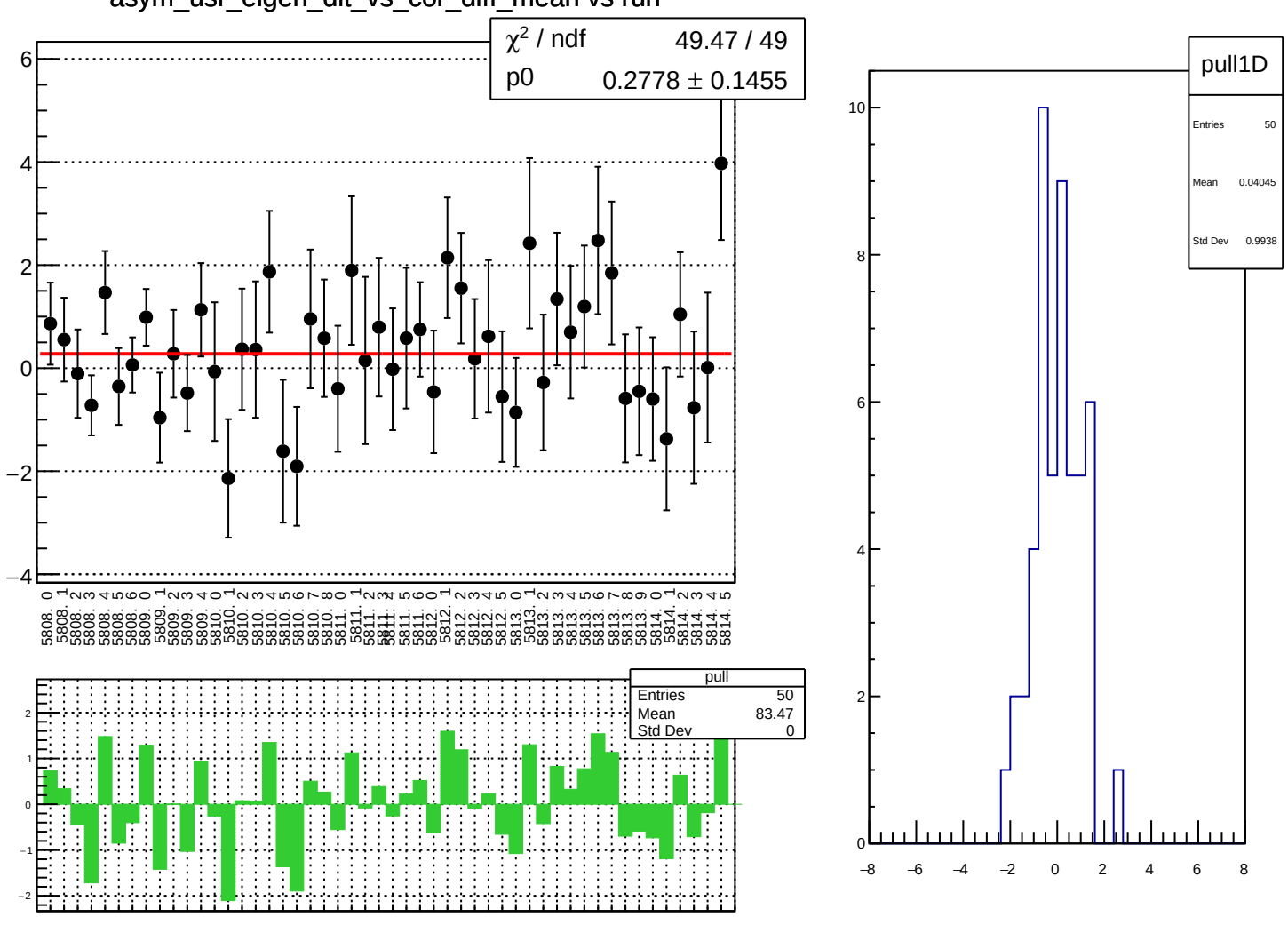

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 49.74 / 49
p0 0.4946 ± 0.1964
pull
Entries 50
Mean −75.93
Std Dev 0
pull1D
Entries 50
Mean 0.02005
Std Dev 0.9972

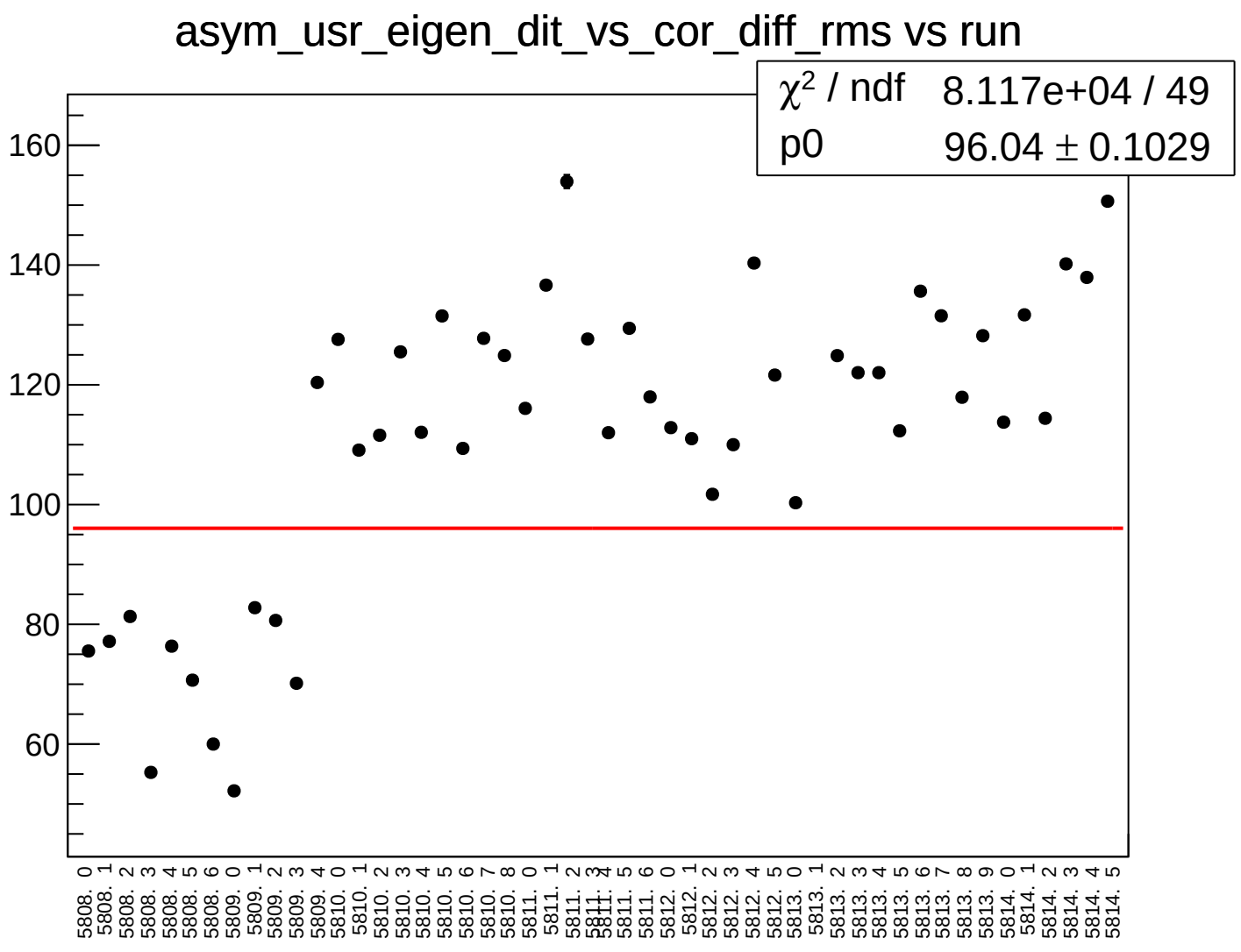

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.134e+04 / 49
p0 134 ± 0.1389
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

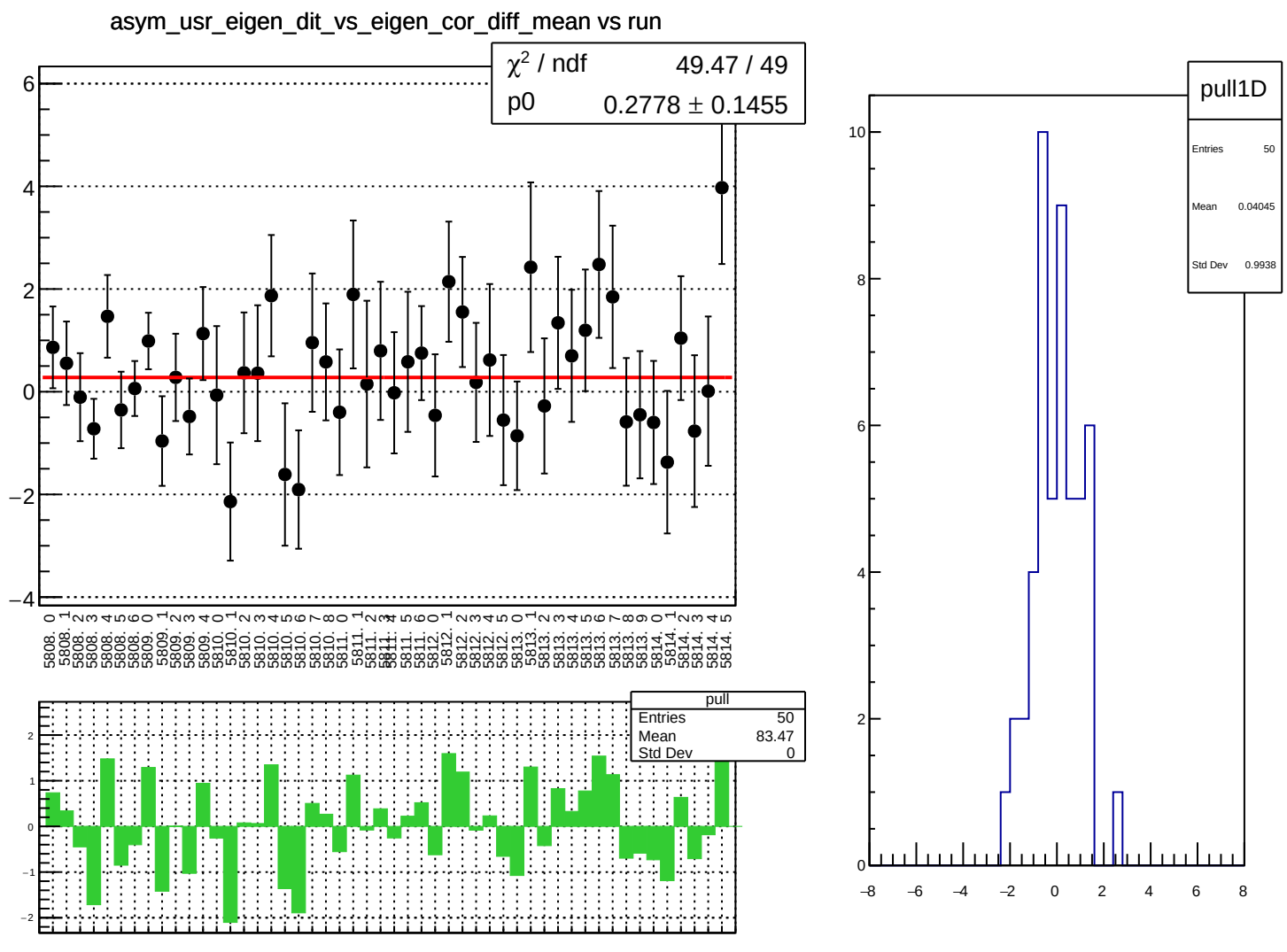

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.8 / 49
p0 −3.325e−05 ± 1.553e−05
pull
Entries 50
Mean −333.1
Std Dev 0

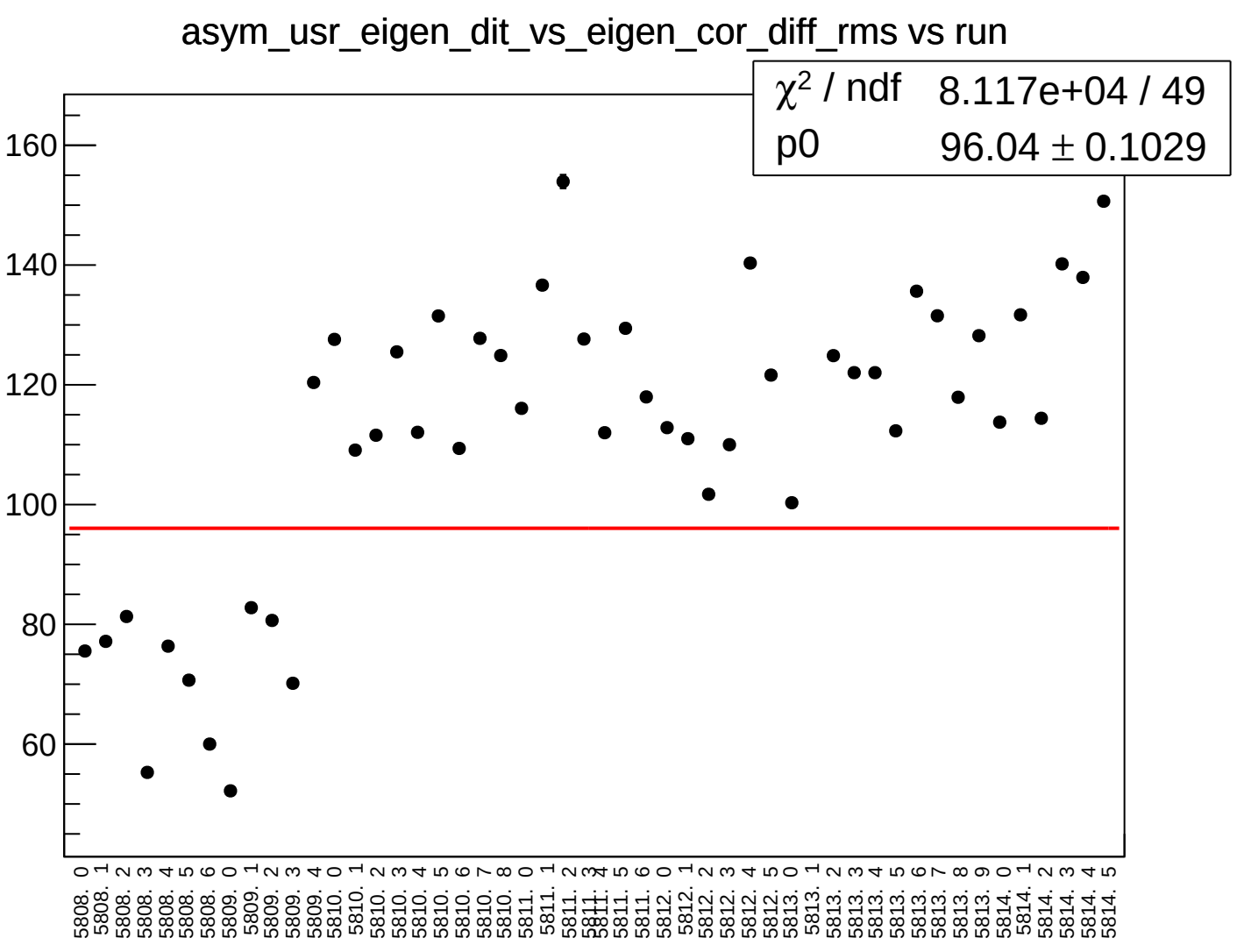

pull1D
Entries 50
Mean 0.01368
Std Dev 1.066

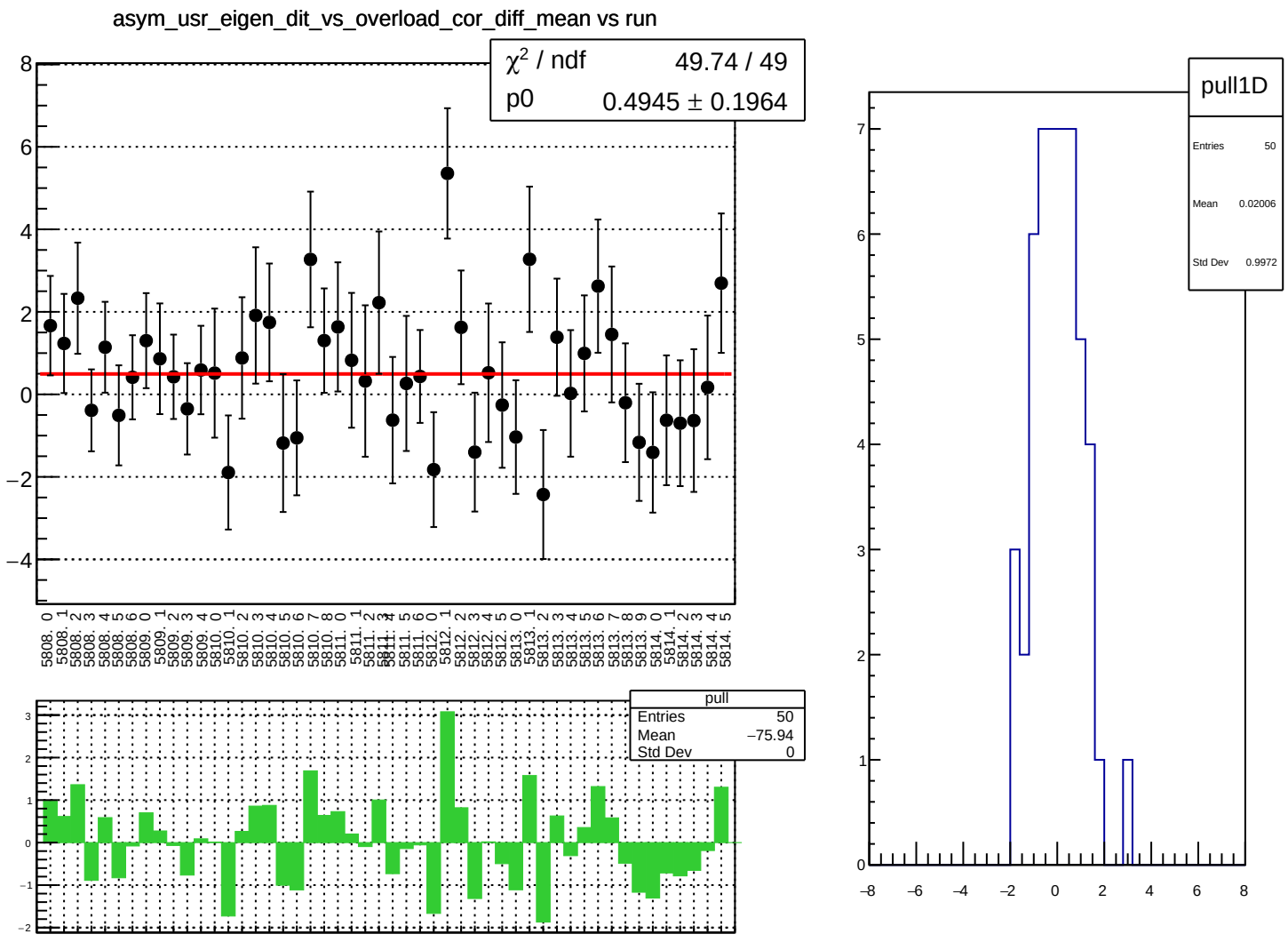

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3694 / 49
p0 0.01069 ± 1.098e–05
0.012
0.0115
0.011
0.0105
0.01
0.0095
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

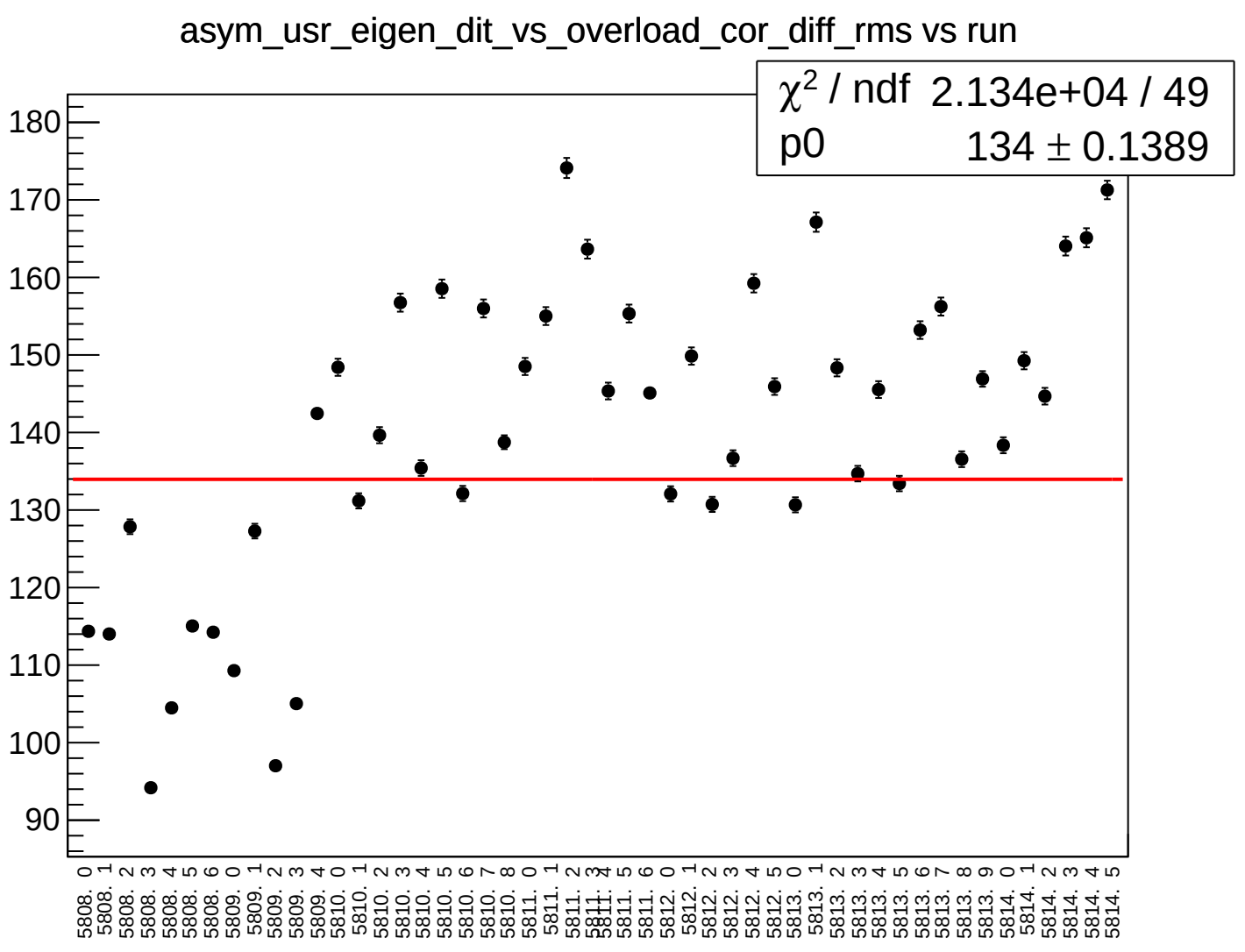

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.47 / 49
p0 0.2778 ± 0.1455
pull
Entries 50
Mean 83.47
Std Dev 0
pull1D
Entries 50
Mean 0.04045
Std Dev 0.9938

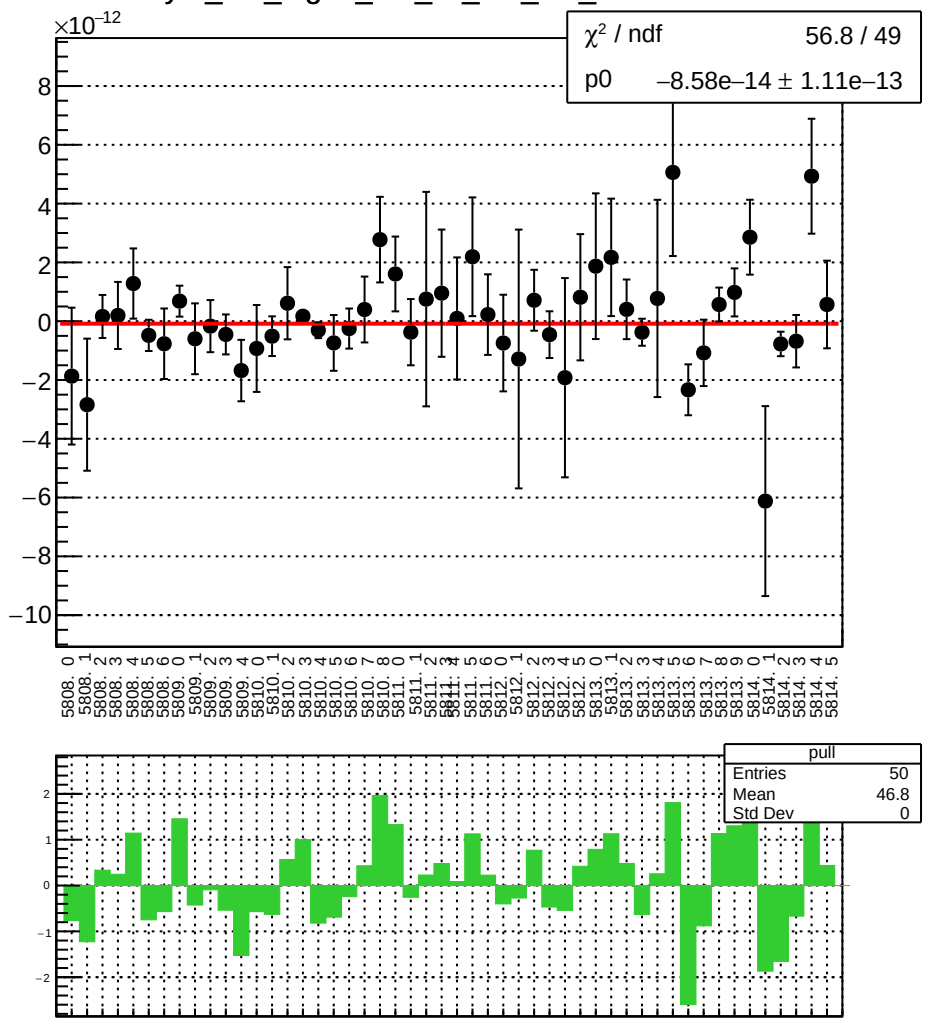

asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.117e+04 / 49
p0 96.04 ± 0.1029
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

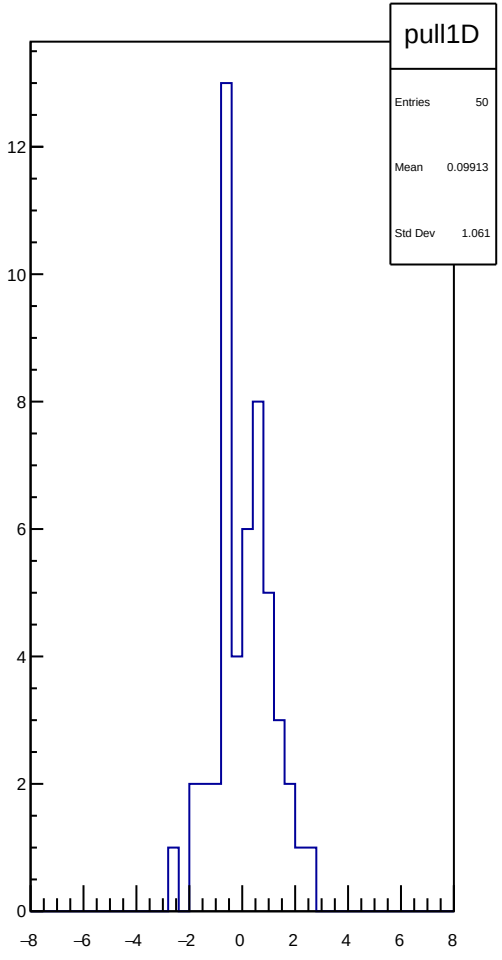

asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.47 / 49
p0 0.2778 ± 0.1455
pull
Entries 50
Mean 83.47
Std Dev 0
pull1D
Entries 50
Mean 0.04045
Std Dev 0.9938

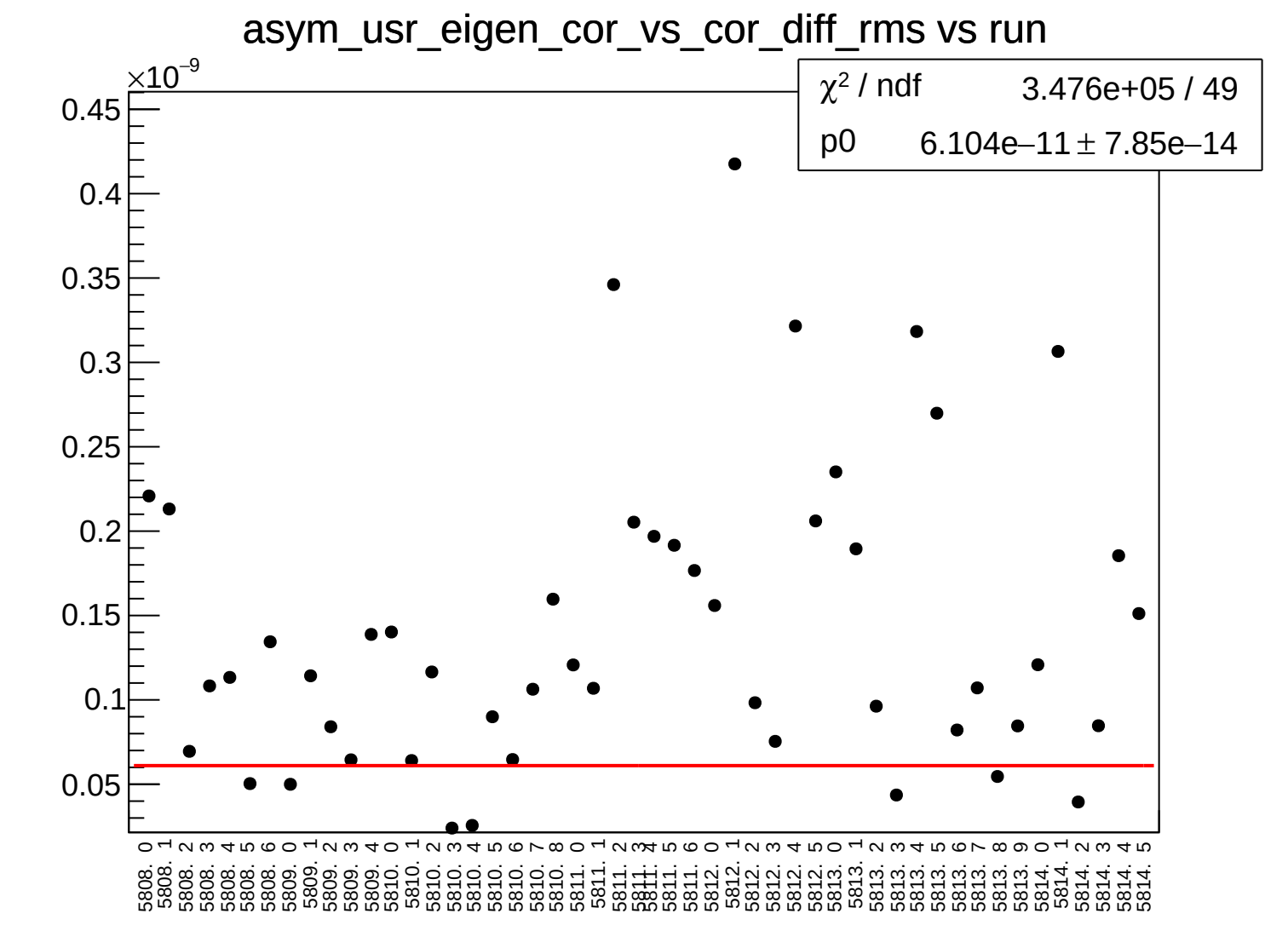

asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.117e+04 / 49
p0 96.04 ± 0.1029
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

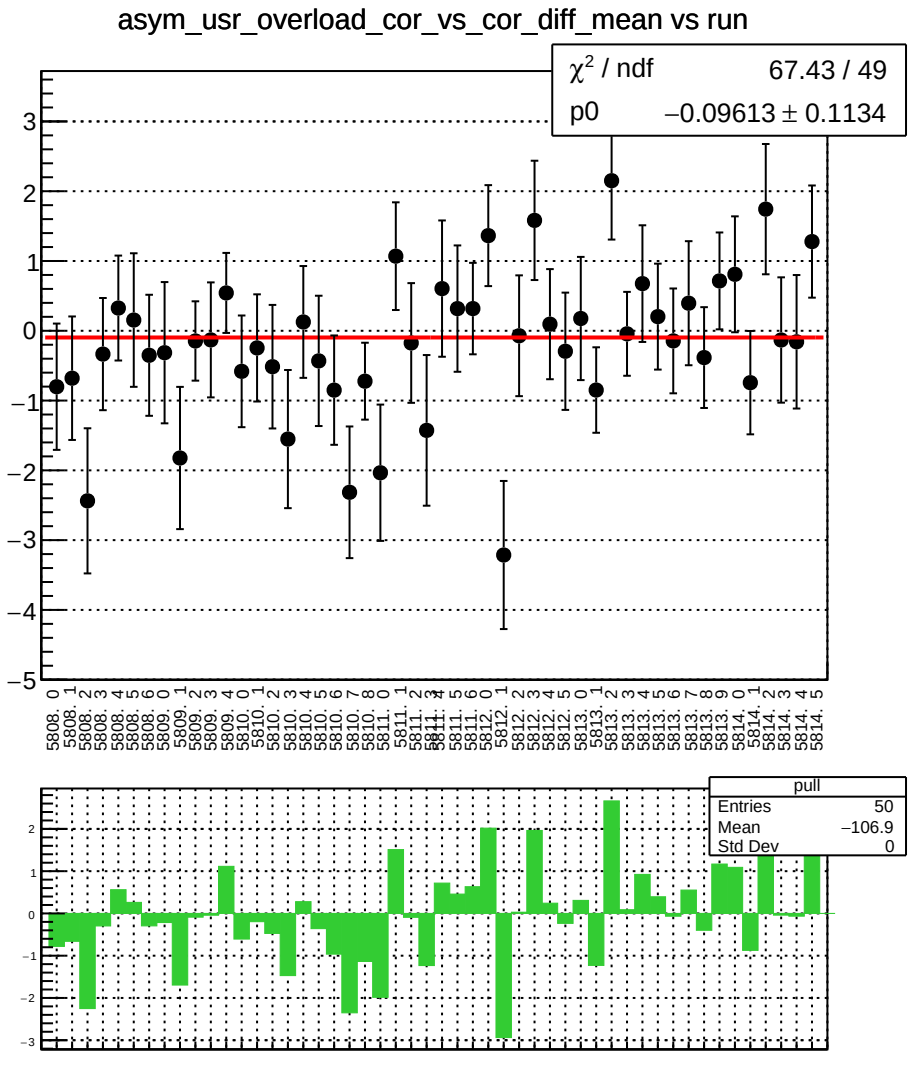

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 49.74 / 49
p0 0.4945 ± 0.1964
pull
Entries 50
Mean −75.94
Std Dev 0
pull1D
Entries 50
Mean 0.02006
Std Dev 0.9972

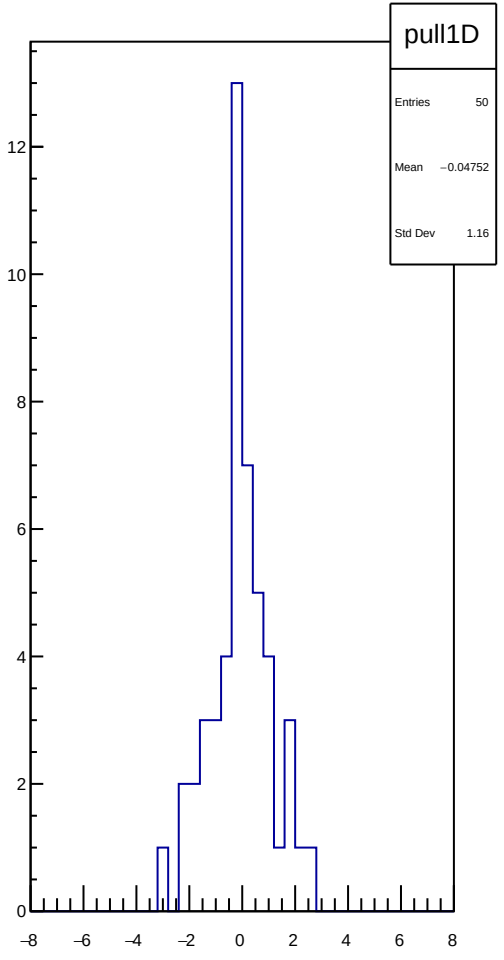

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.134e+04 / 49
p0 134 ± 0.1389
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

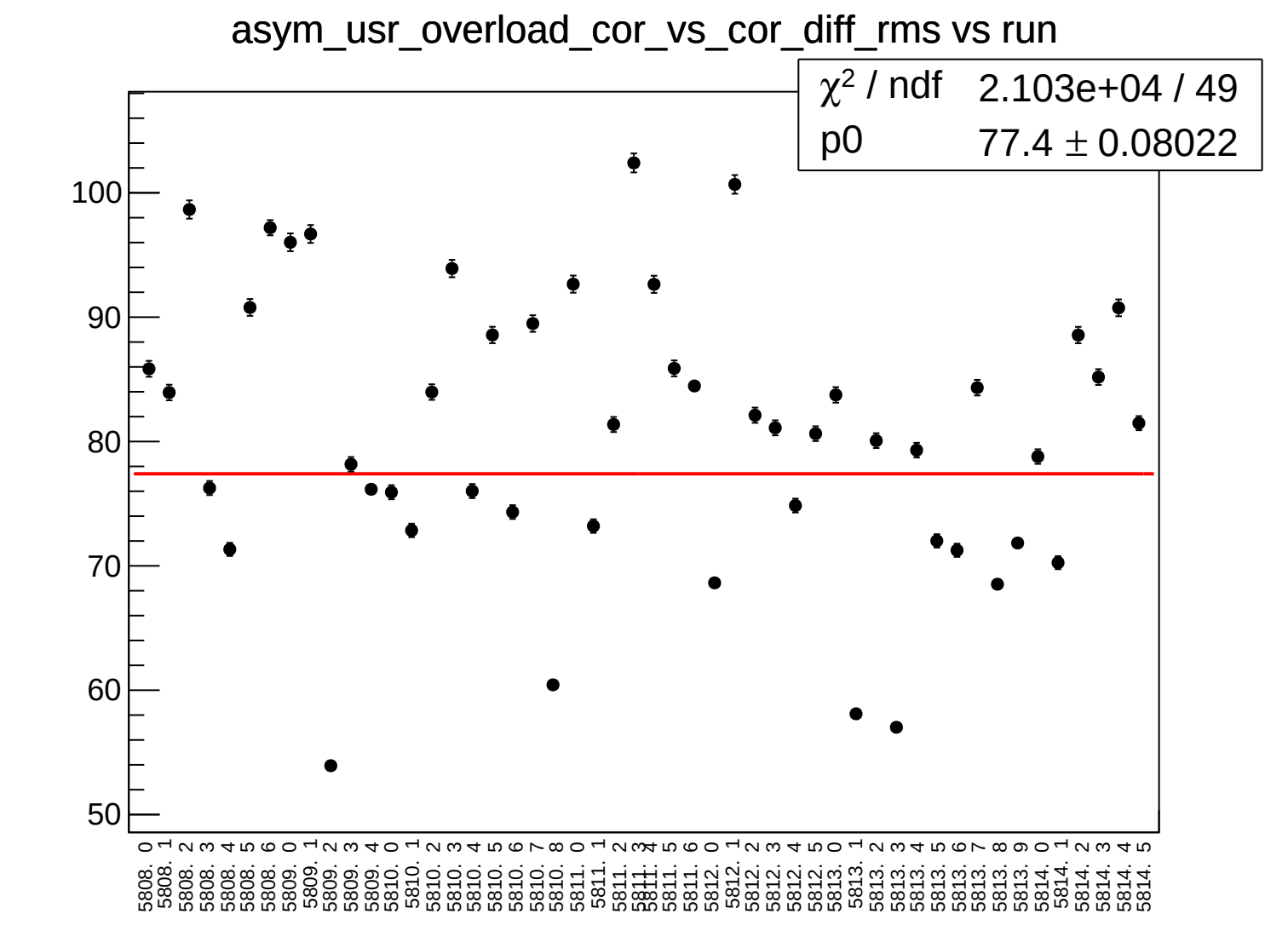

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.8 / 49
p0 −8.58e−14 ± 1.11e−13
pull
Entries 50
Mean 46.8
Std Dev 0


pull1D
Entries 50
Mean 0.09913
Std Dev 1.061


asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.476e+05 / 49
p0 6.104e−11 ± 7.85e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 67.43 / 49
p0 −0.09613 ± 0.1134
pull
Entries 50
Mean −106.9
Std Dev 0


pull1D
Entries 50
Mean −0.04752
Std Dev 1.16


asym_usr_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.103e+04 / 49
p0 77.4 ± 0.08022
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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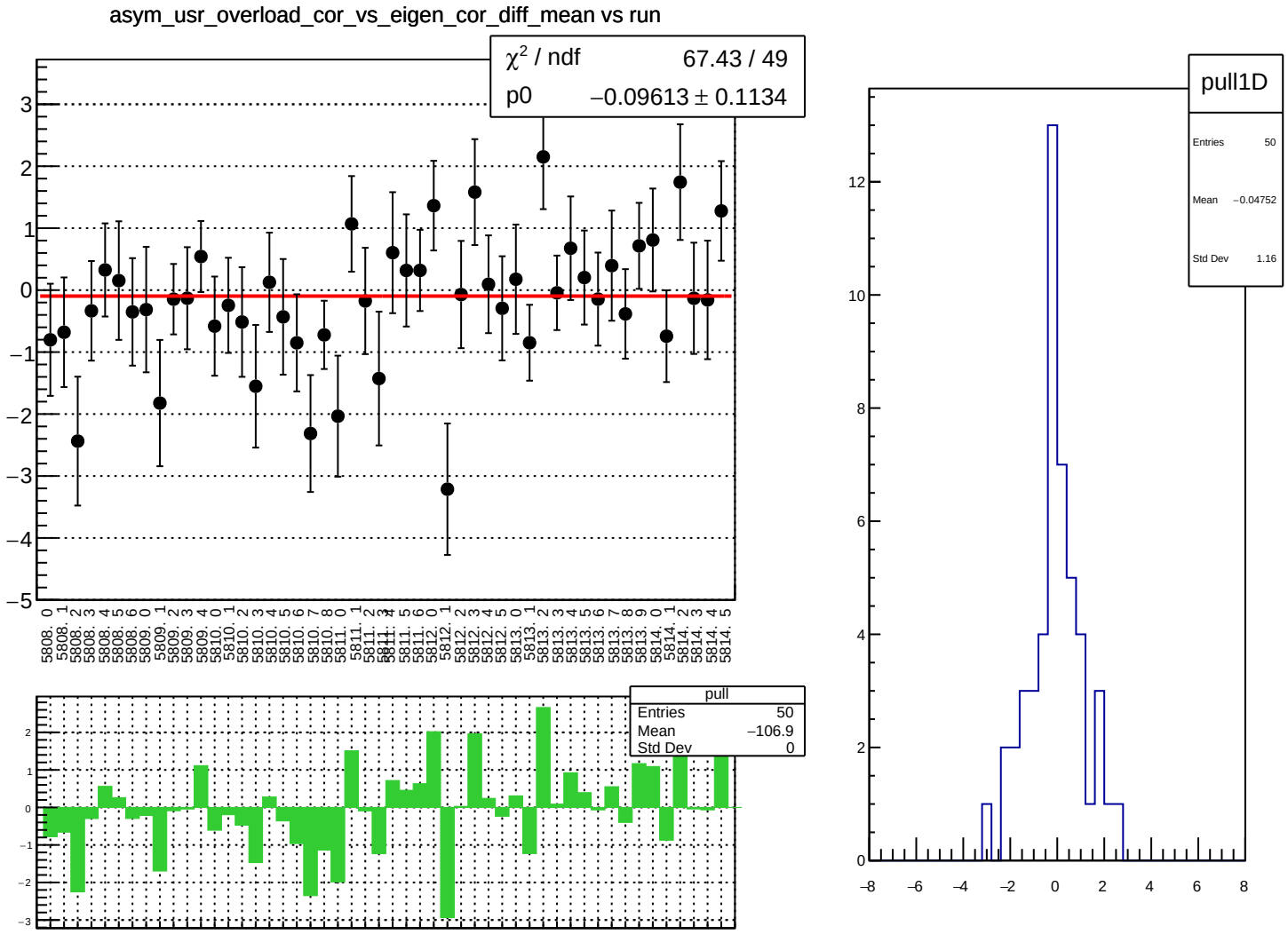
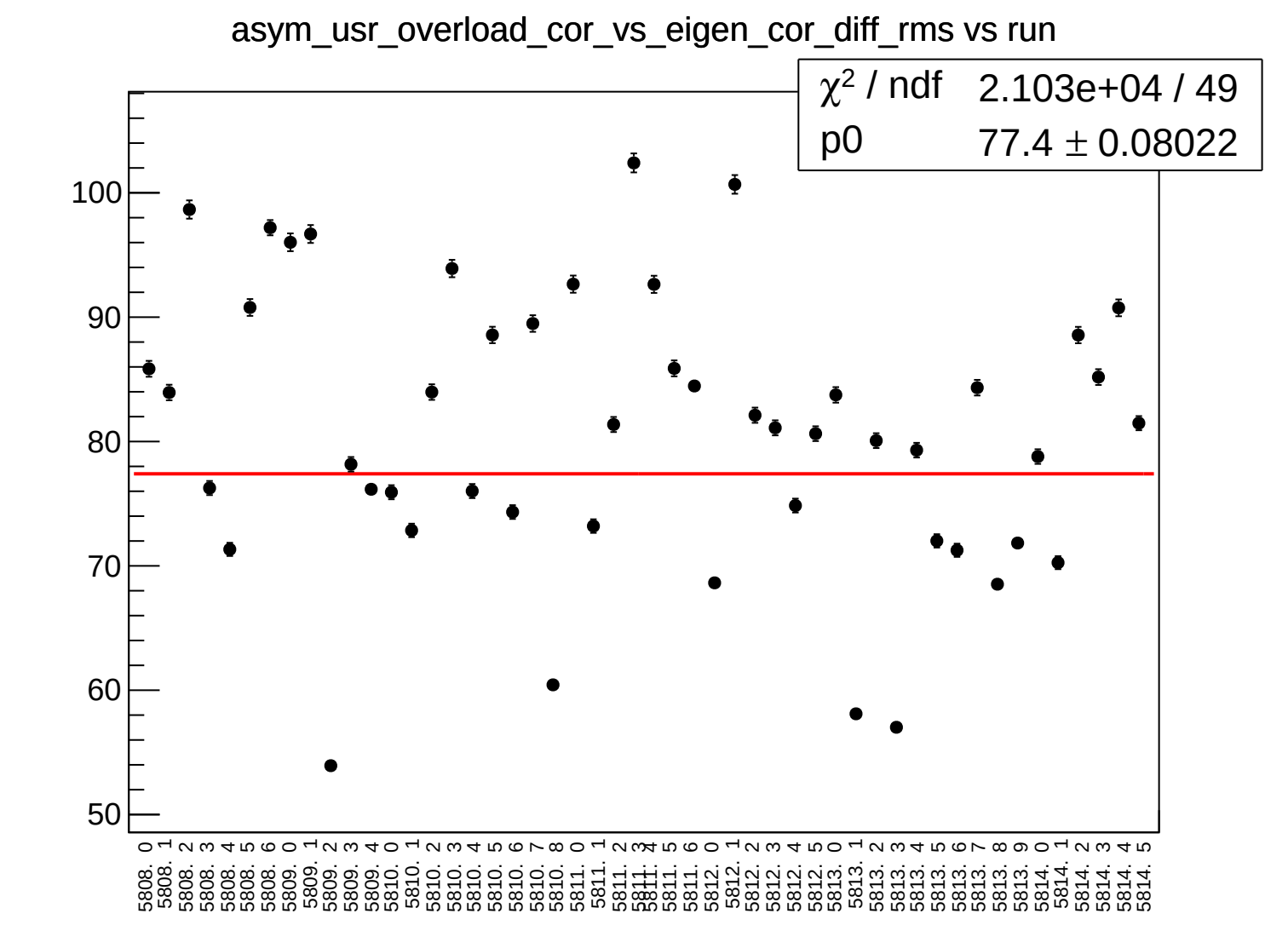
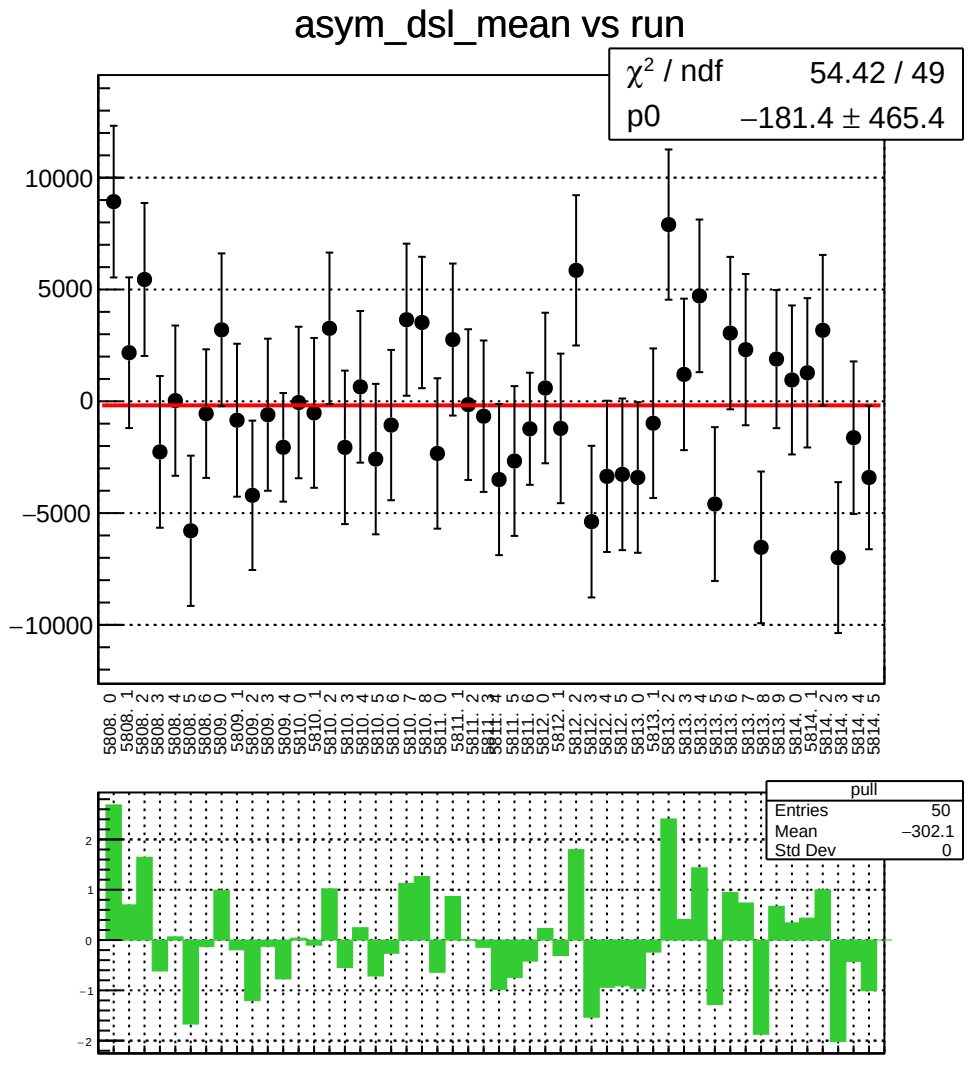
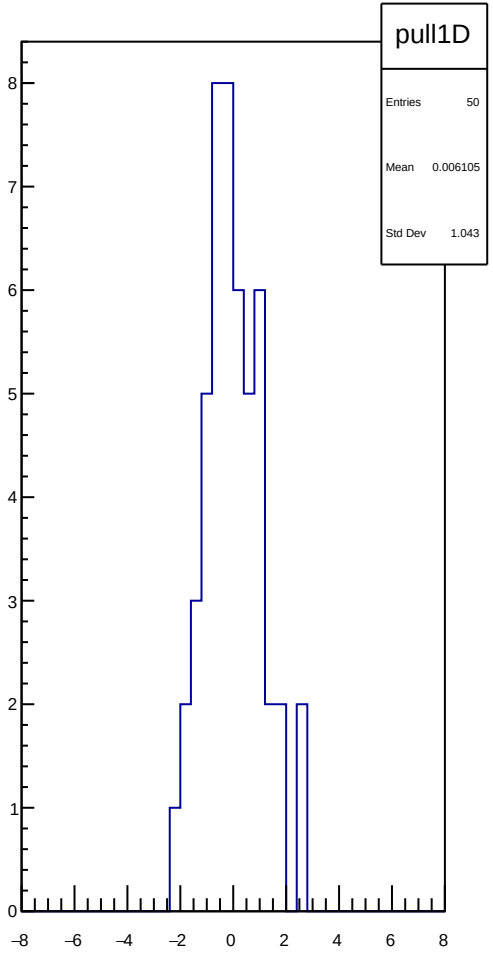
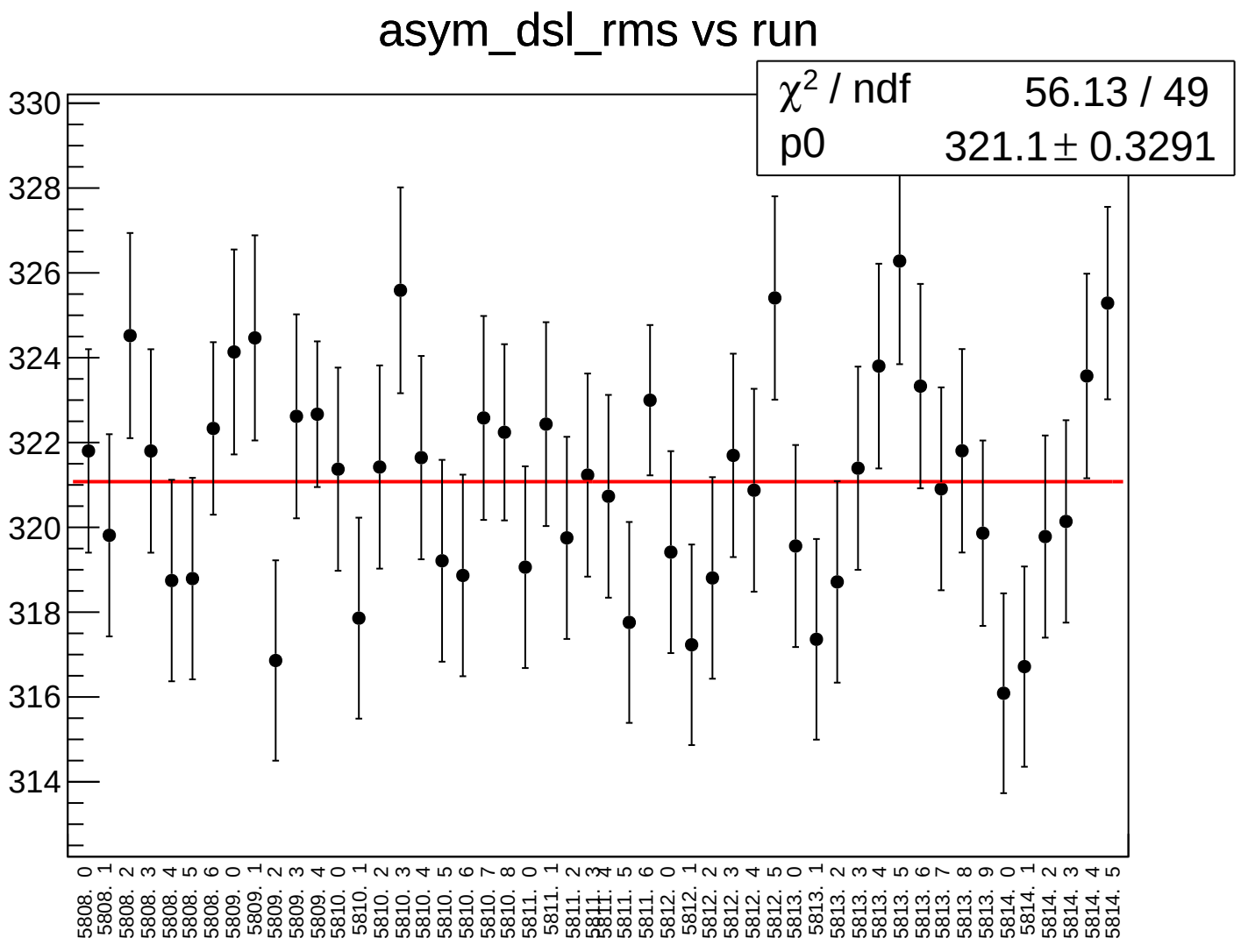
5814. 2
5814. 3
5814. 4
5814. 5

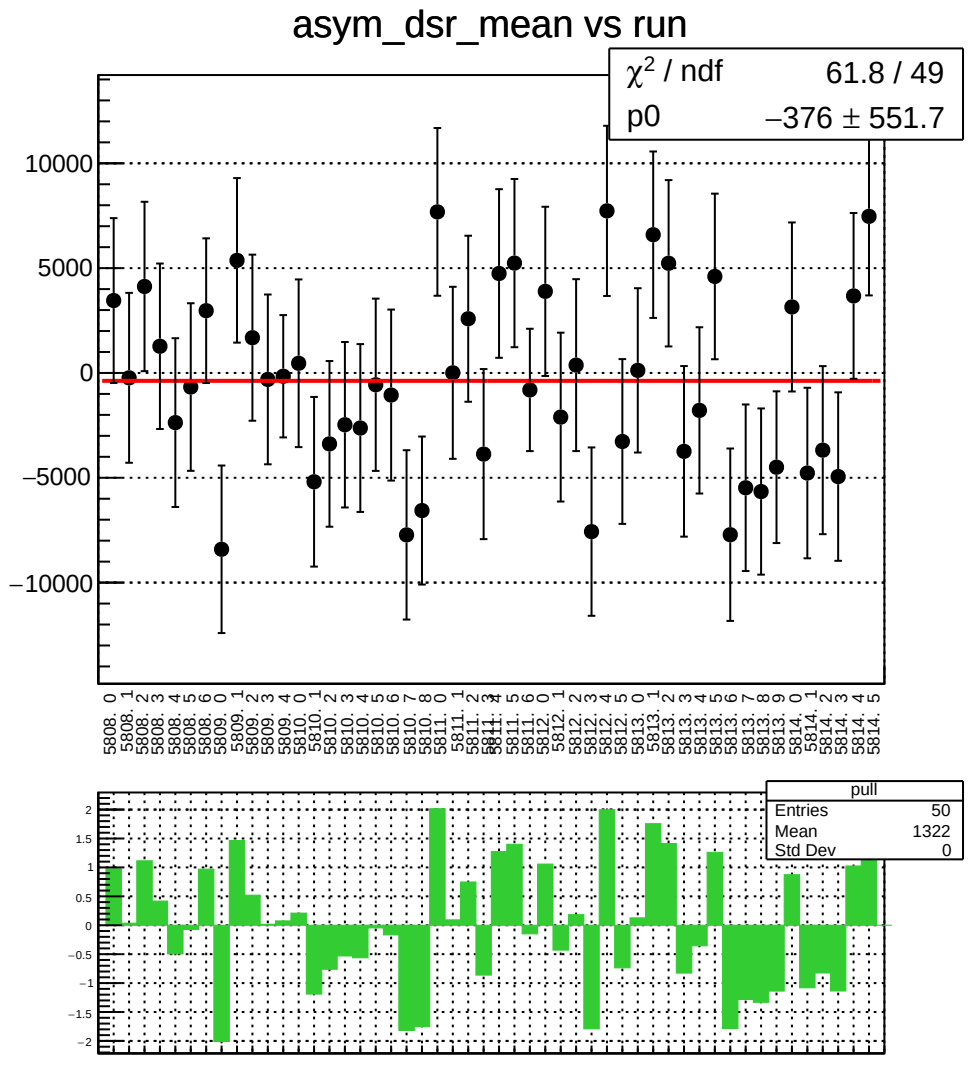

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 67.43 / 49
p0 −0.09613 ± 0.1134
pull
Entries 50
Mean −106.9
Std Dev 0
pull1D
Entries 50
Mean −0.04752
Std Dev 1.16

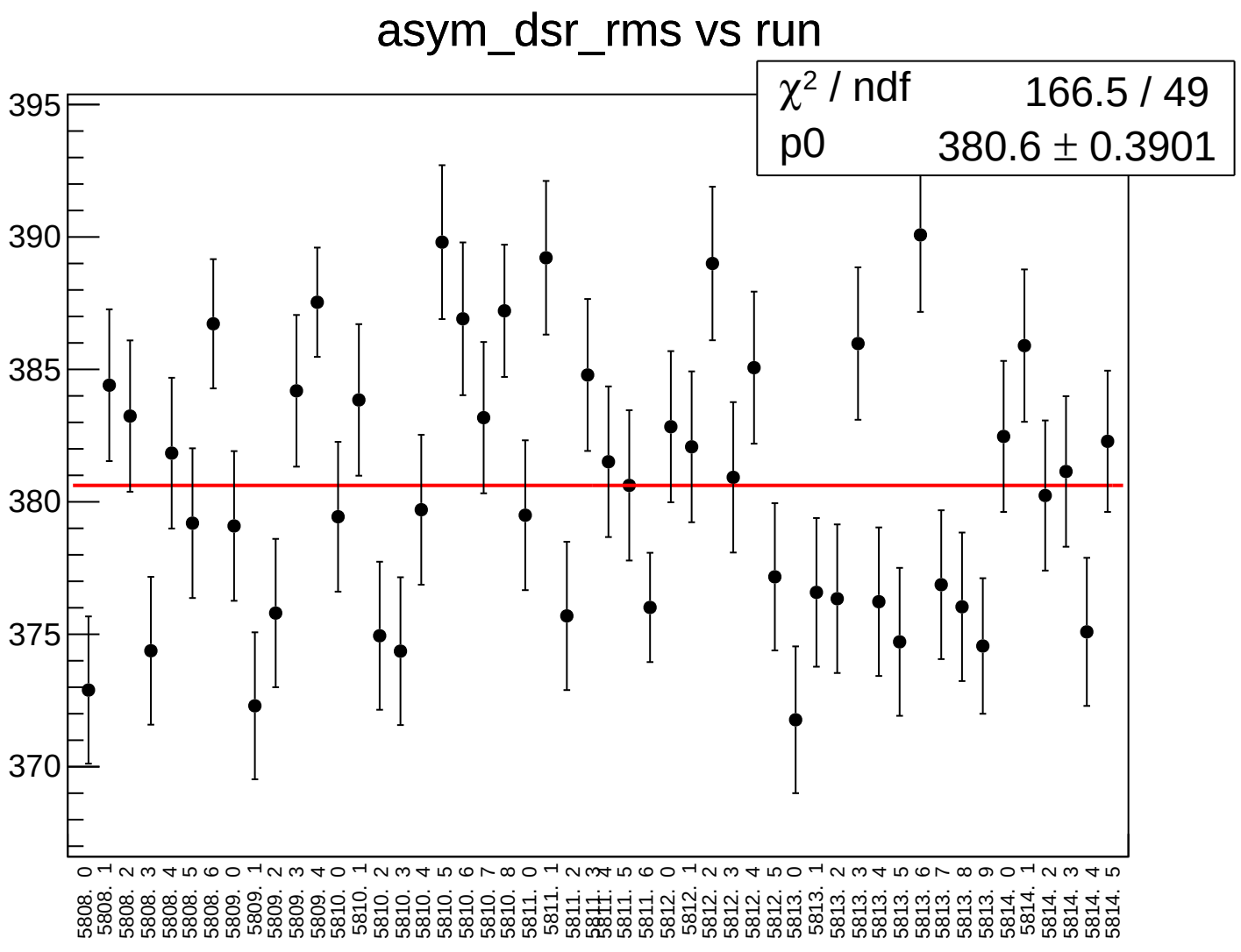

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.103e+04 / 49
p0 77.4 ± 0.08022
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

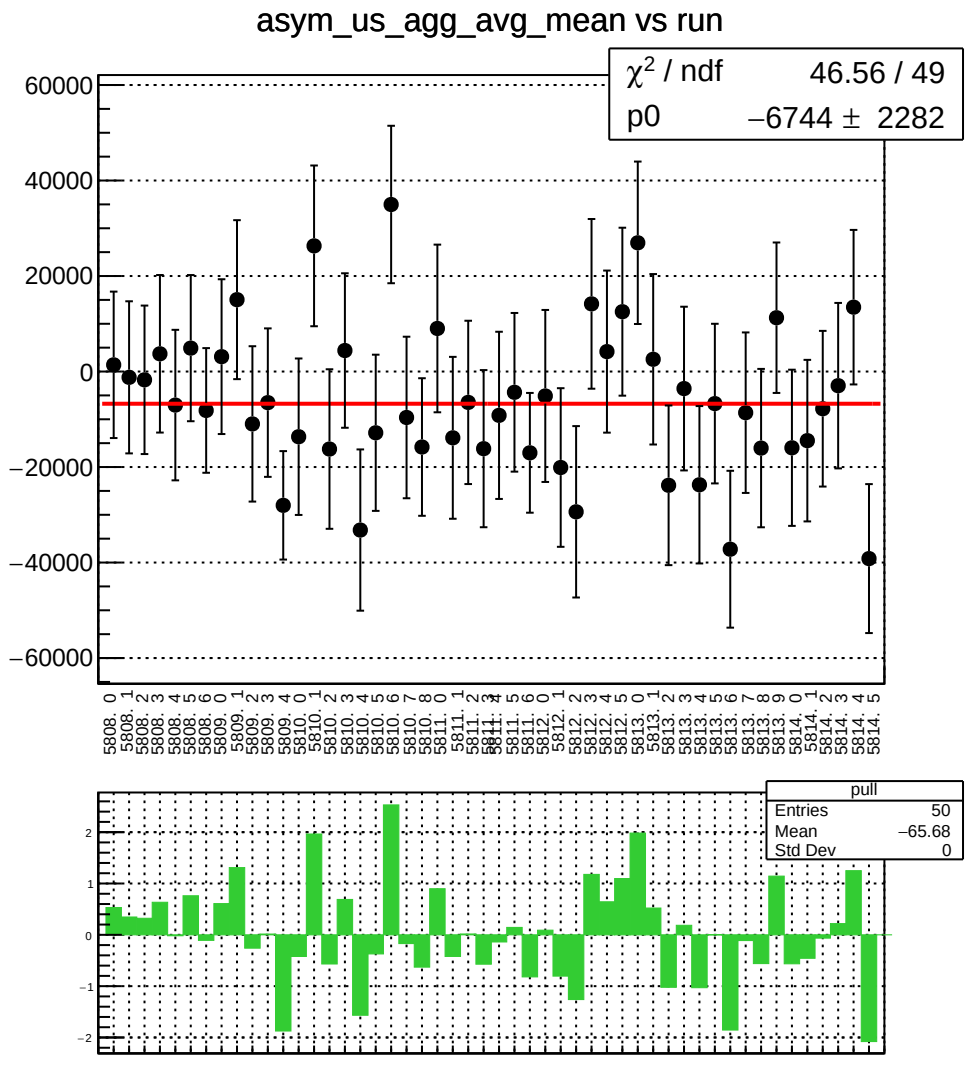

asym_dsl_mean vs run
χ² / ndf 54.42 / 49
p0 −181.4 ± 465.4
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −302.1
Std Dev 0
2
1
0
−1
−2

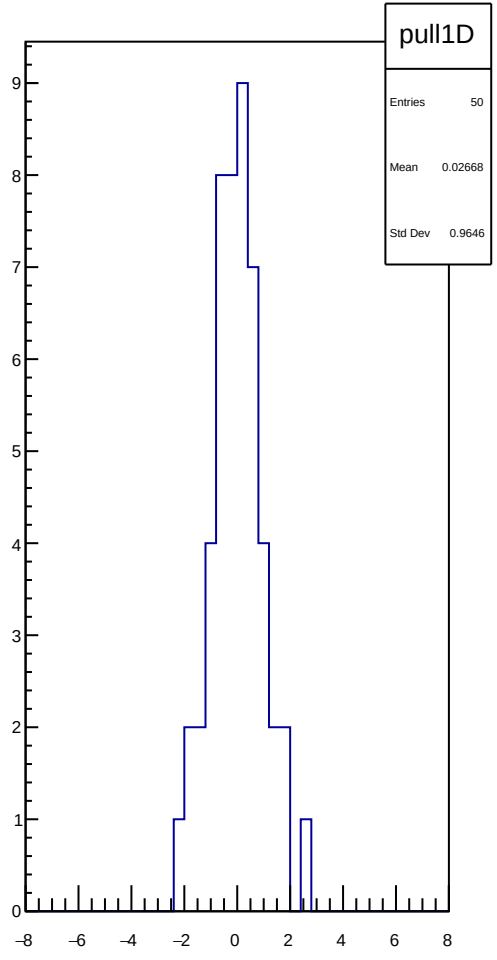

pull1D
Entries 50
Mean 0.006105
Std Dev 1.043
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

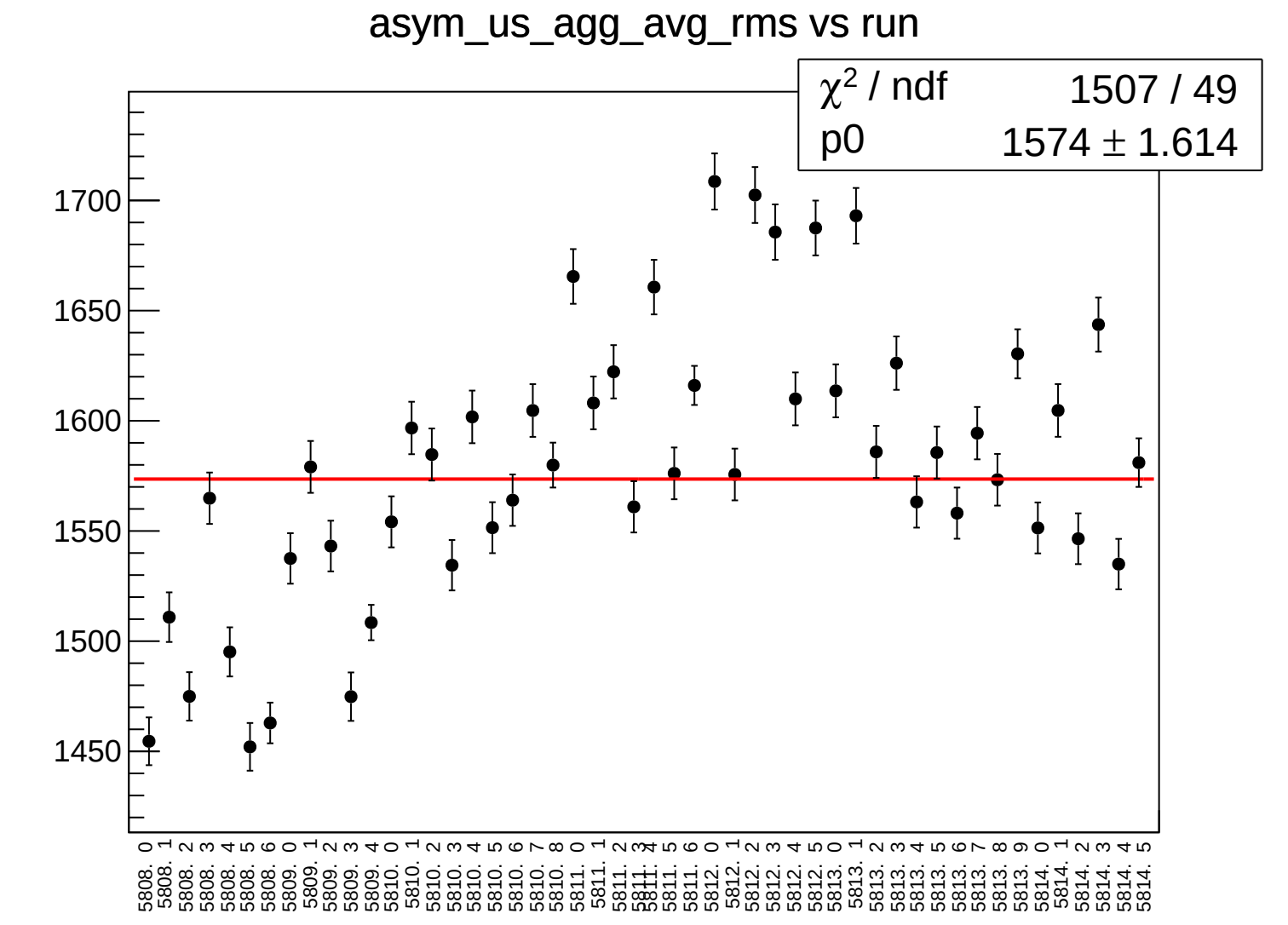

asym_dsl_rms vs run
χ² / ndf 56.13 / 49
p0 321.1 ± 0.3291
330
328
326
324
322
320
318
316
314
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

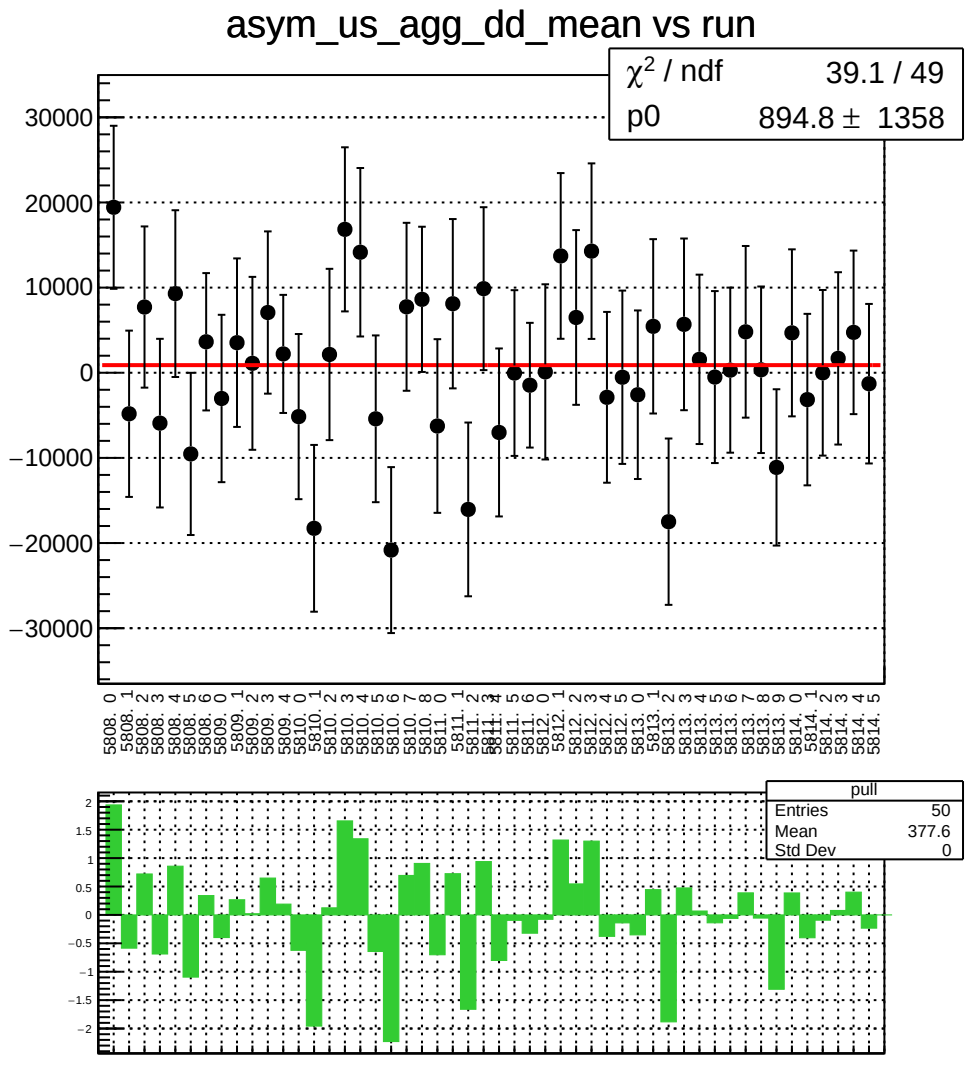

asym_dsr_mean vs run
χ² / ndf 61.8 / 49
p0 −376 ± 551.7
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1322
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.0007482
Std Dev 1.112
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

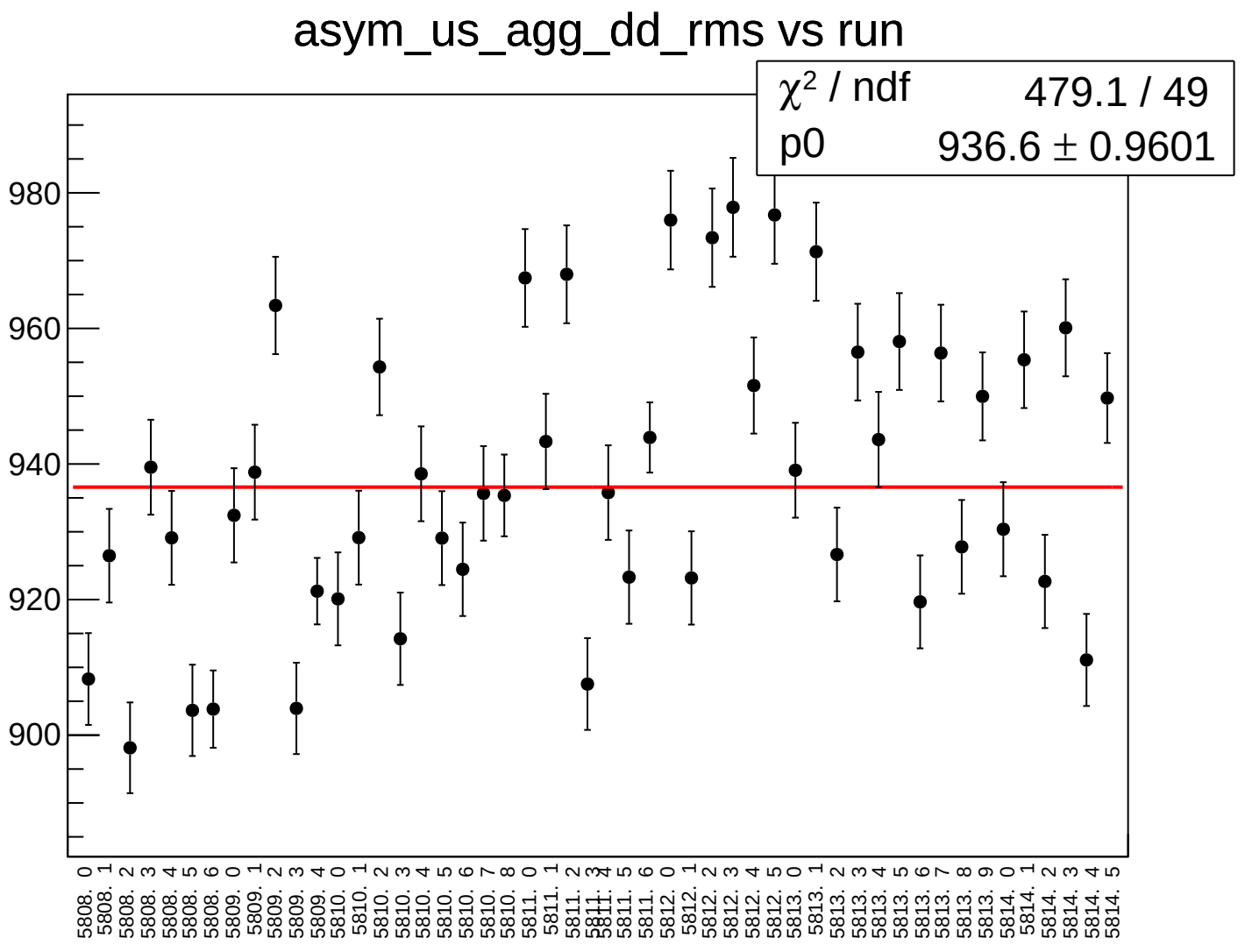

asym_dsr_rms vs run
χ² / ndf 166.5 / 49
p0 380.6 ± 0.3901
395
390
385
380
375
370
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

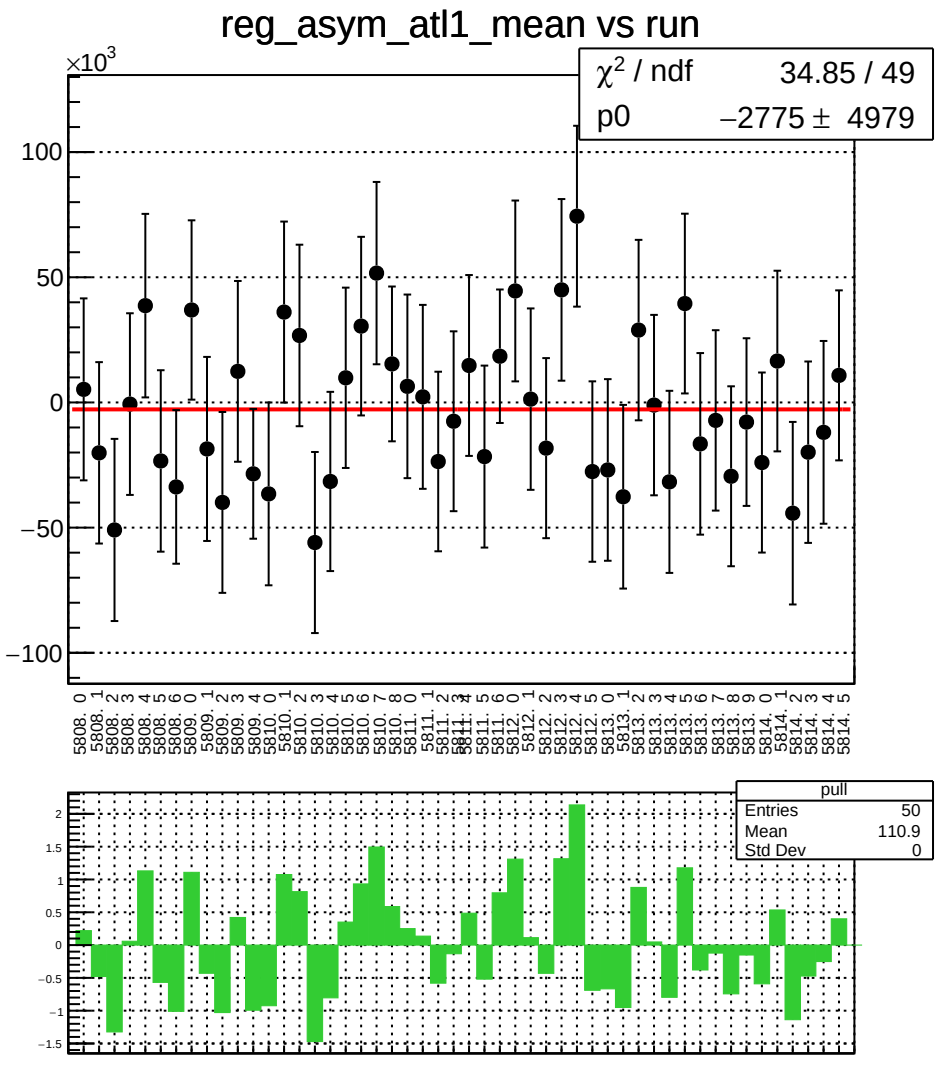

asym_us_agg_avg_mean vs run
χ² / ndf 46.56 / 49
p0 −6744 ± 2282
pull
Entries 50
Mean −65.68
Std Dev 0

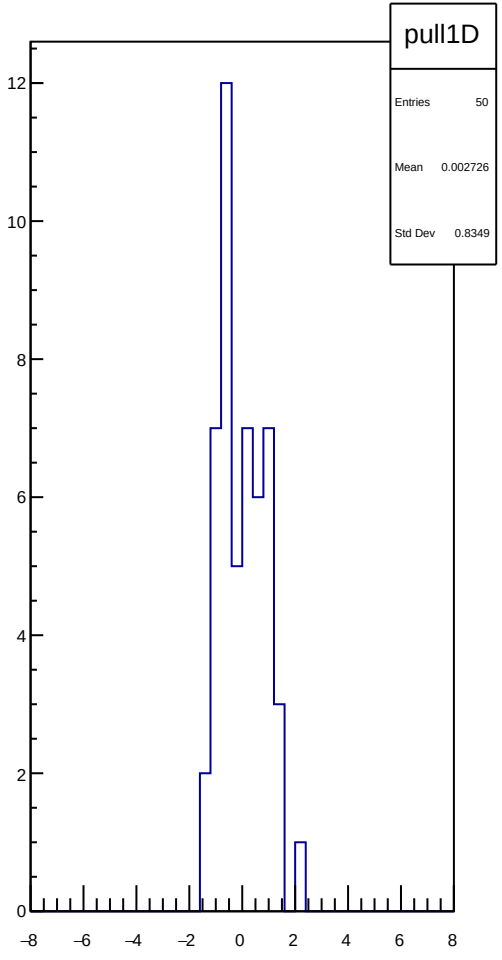

pull1D
Entries 50
Mean 0.02668
Std Dev 0.9646

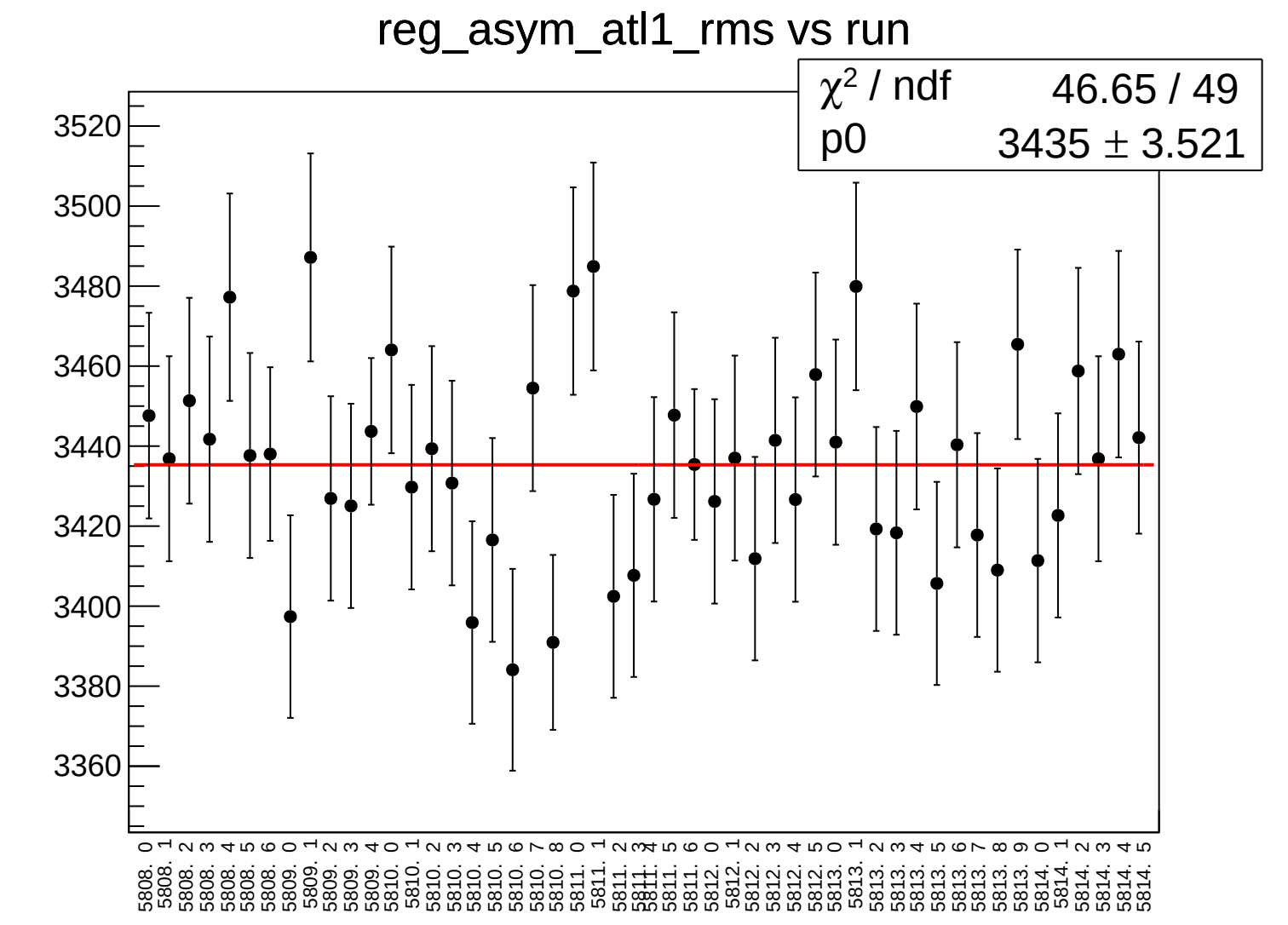

asym_us_agg_avg_rms vs run
χ² / ndf 1507 / 49
p0 1574 ± 1.614
1700
1650
1600
1550
1500
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

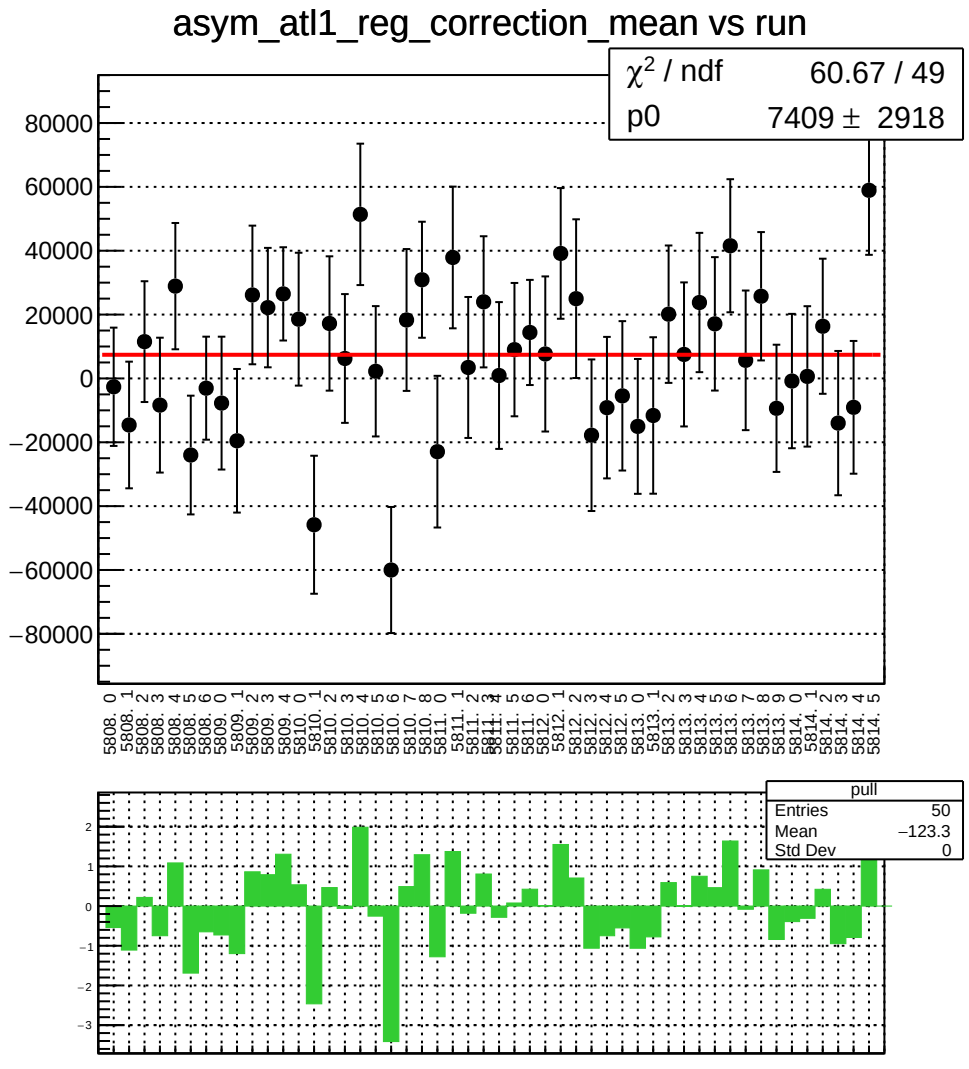

asym_us_agg_dd_mean vs run
χ² / ndf 39.1 / 49
p0 894.8 ± 1358
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 377.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.002954
Std Dev 0.8843
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

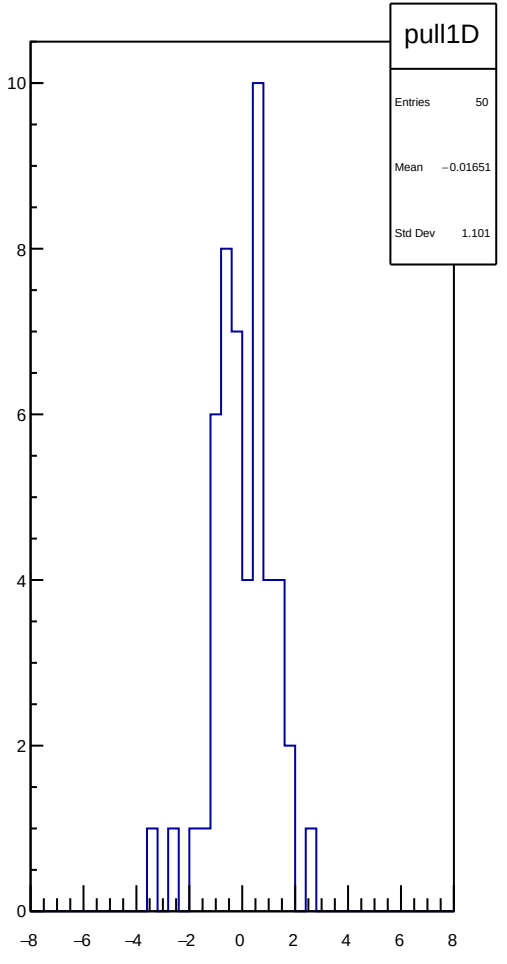

asym_us_agg_dd_rms vs run
χ² / ndf 479.1 / 49
p0 936.6 ± 0.9601
980
960
940
920
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

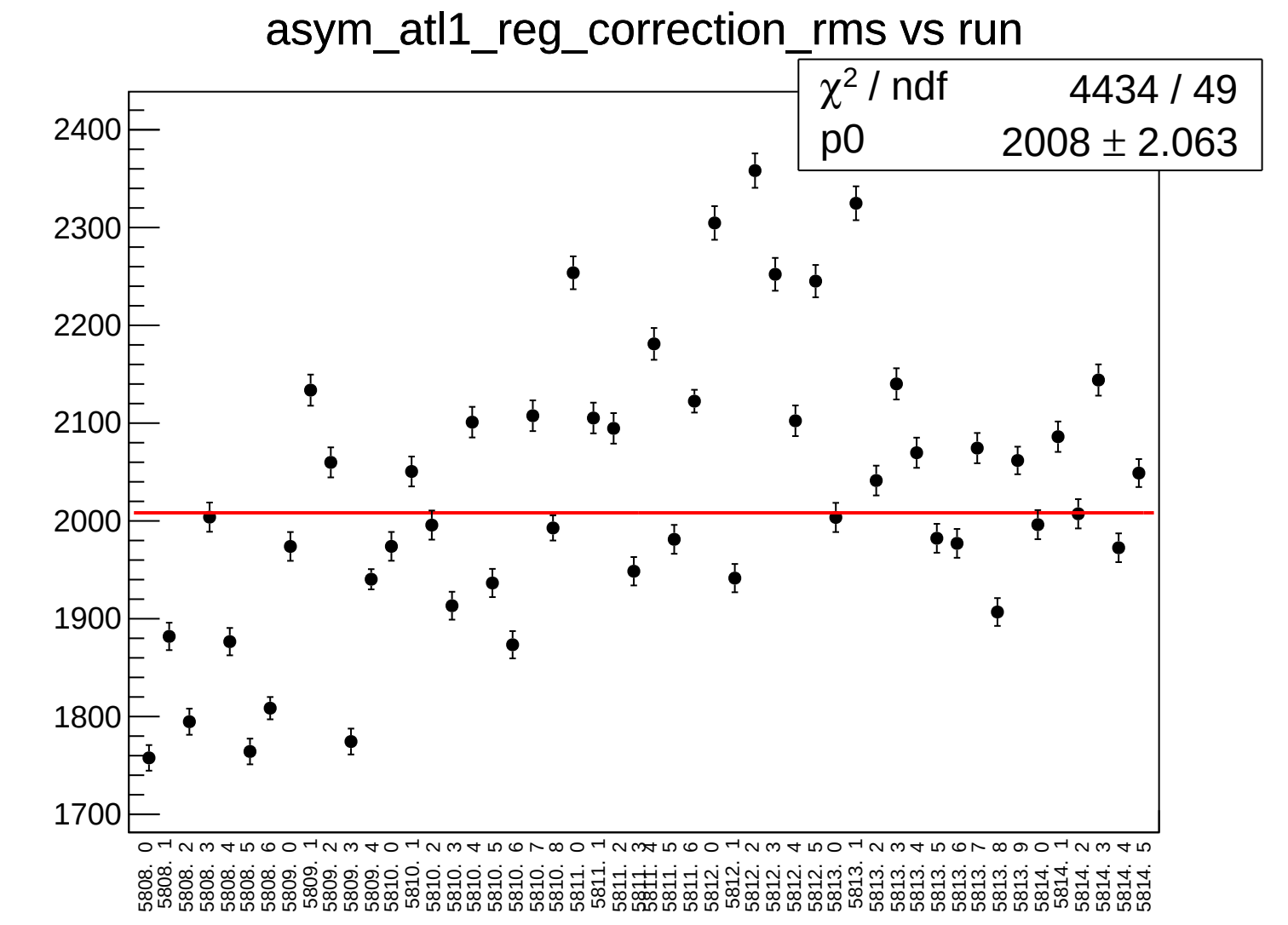

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 34.85 / 49
p0 −2775 ± 4979
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 110.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

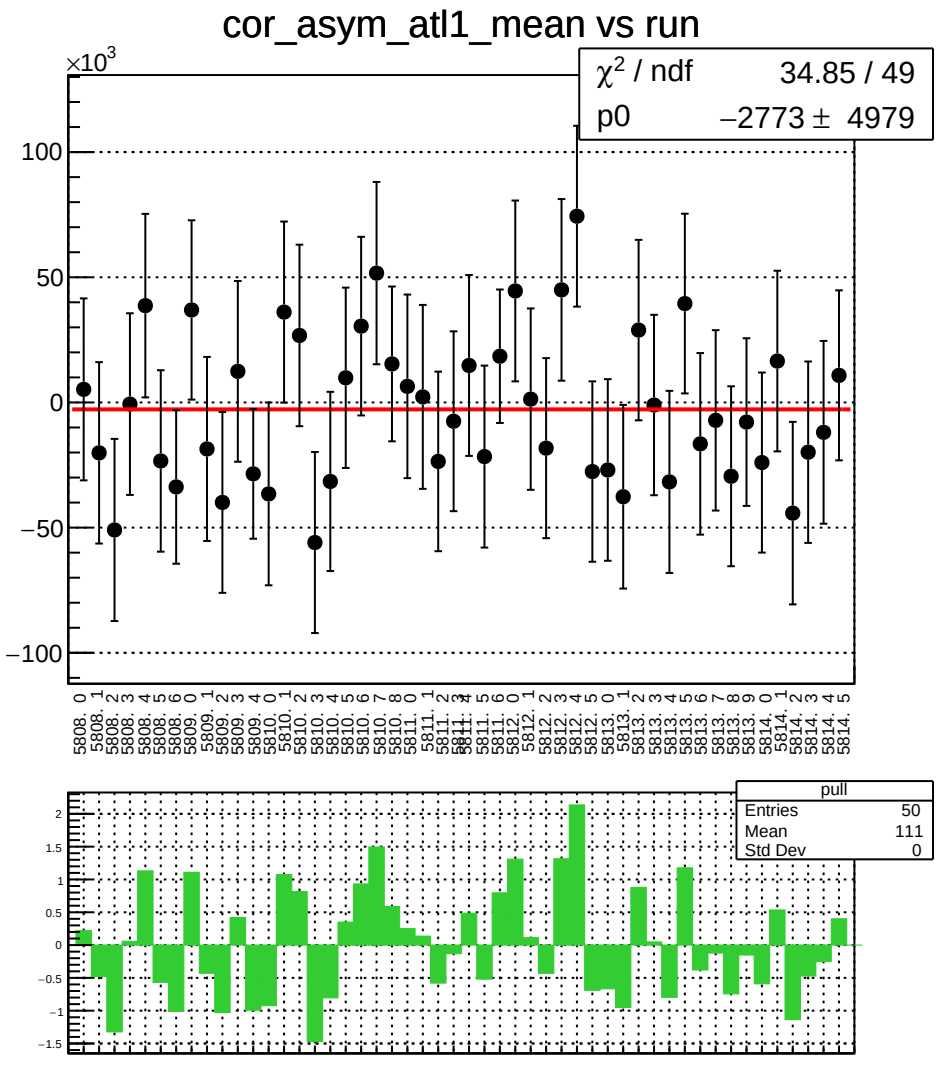

pull1D
Entries 50
Mean 0.002726
Std Dev 0.8349
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

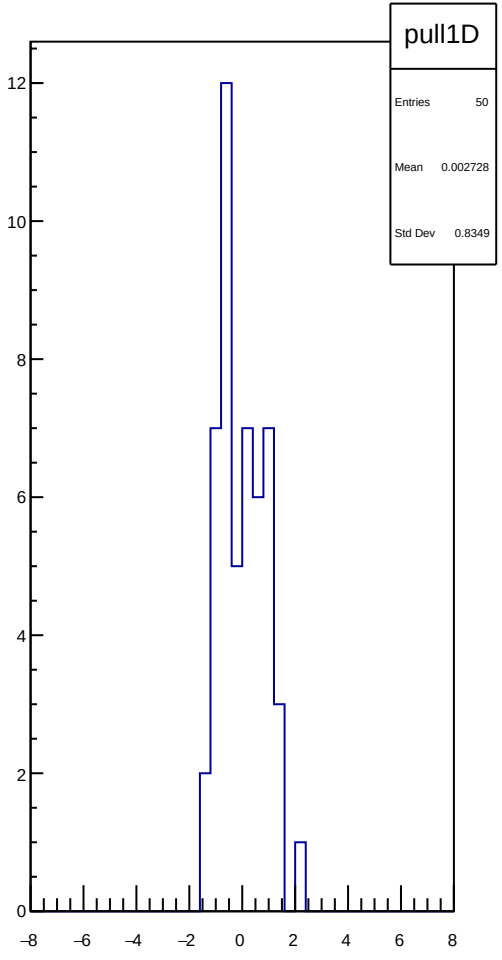

reg_asym_atl1_rms vs run
χ² / ndf 46.65 / 49
p0 3435 ± 3.521
3520
3500
3480
3460
3440
3420
3400
3380
3360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

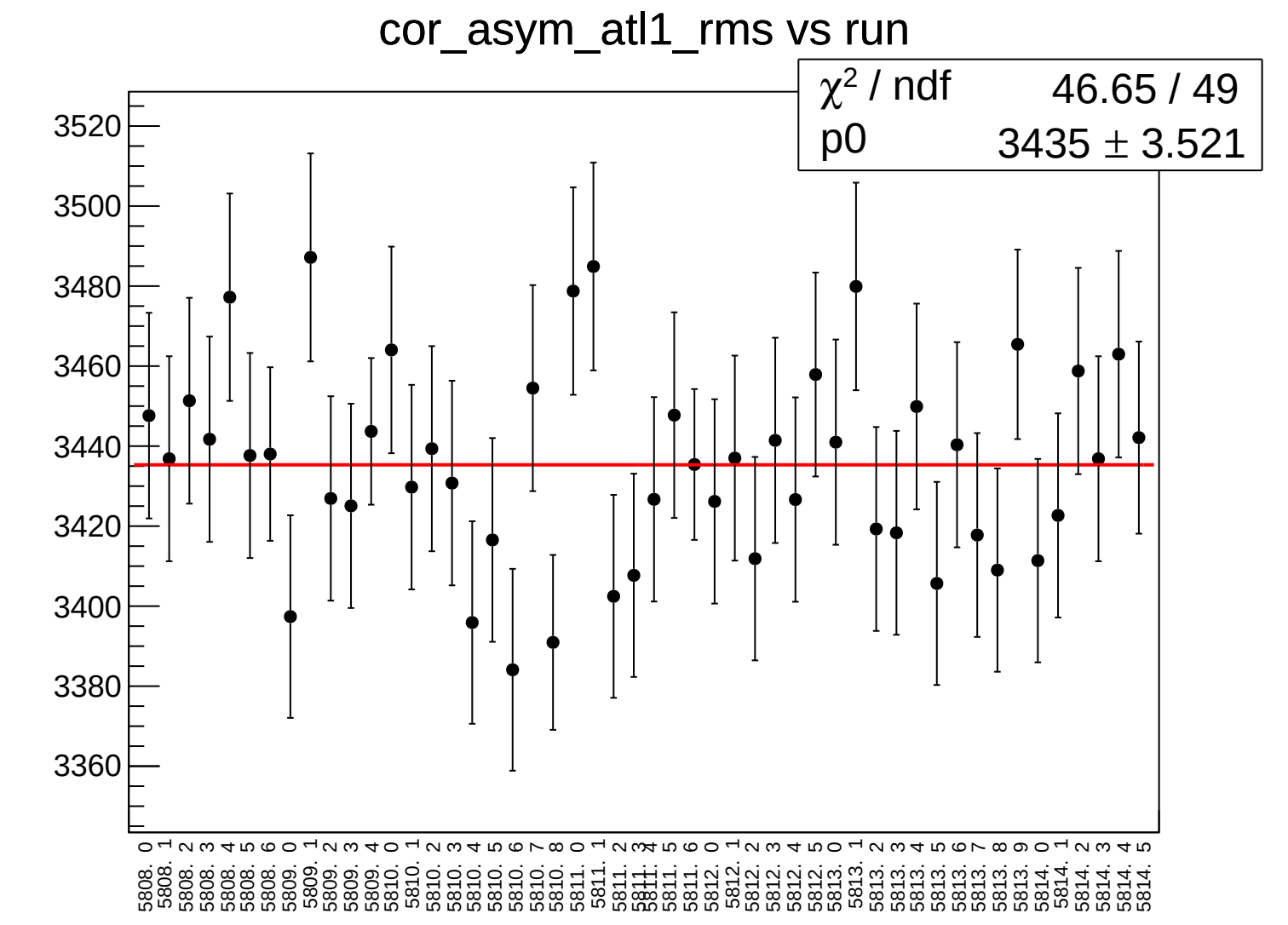

asym_atl1_reg_correction_mean vs run
χ² / ndf 60.67 / 49
p0 7409 ± 2918
pull
Entries 50
Mean −123.3
Std Dev 0

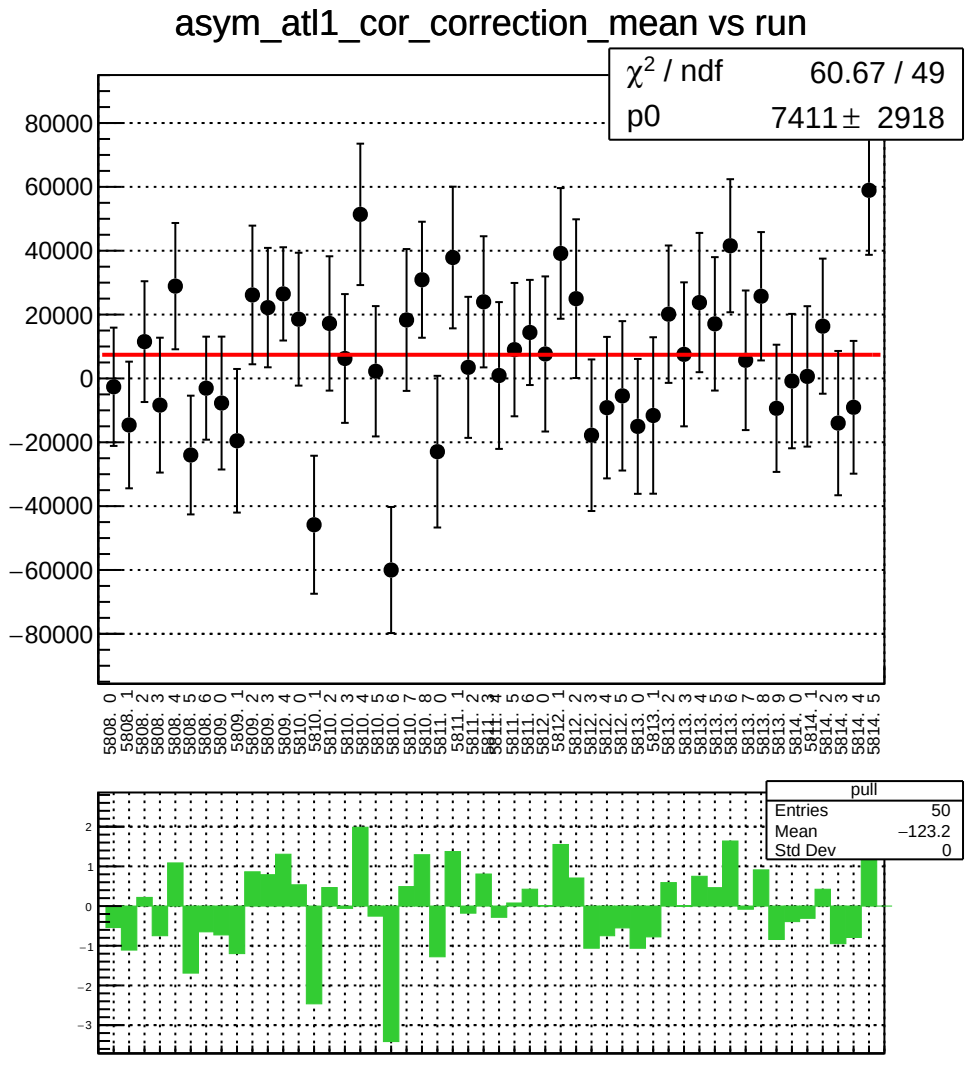

pull1D
Entries 50
Mean −0.01651
Std Dev 1.101

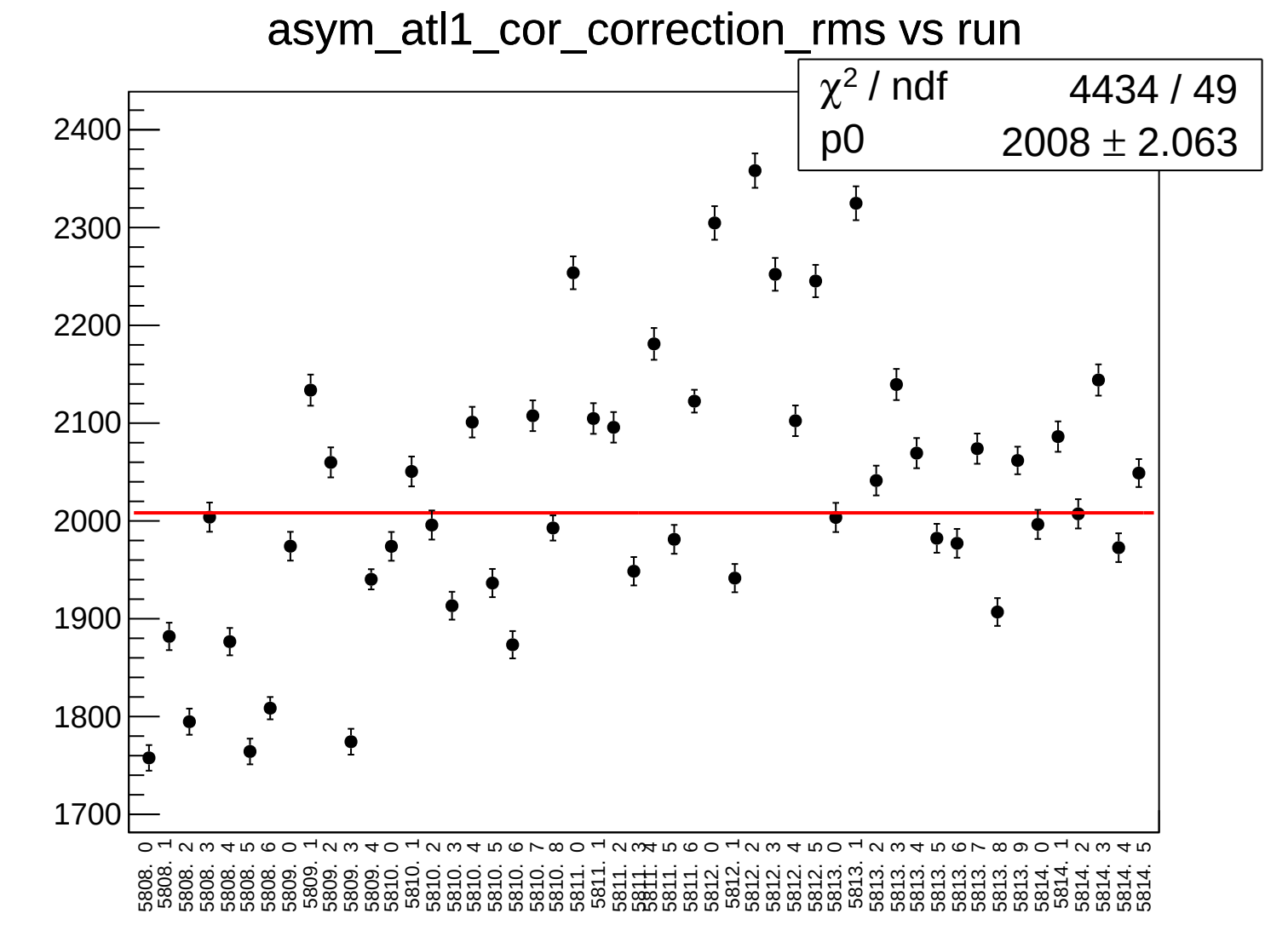

asym_atl1_reg_correction_rms vs run
χ² / ndf 4434 / 49
p0 2008 ± 2.063
2400
2300
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

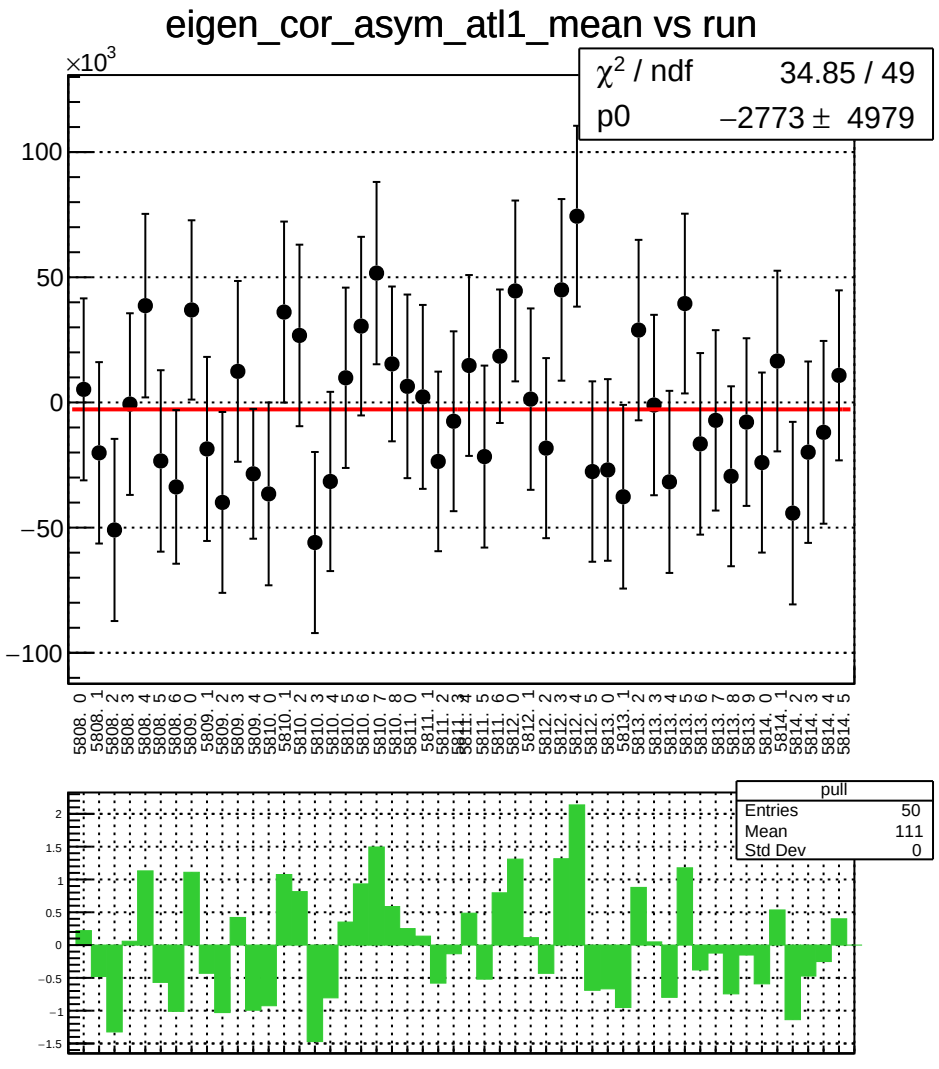

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 34.85 / 49
p0 −2773 ± 4979
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 111
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

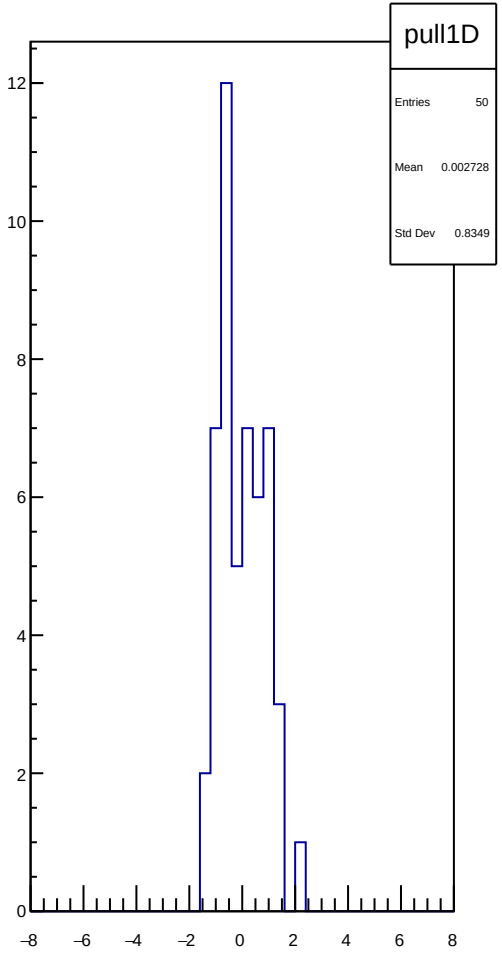

pull1D
Entries 50
Mean 0.002728
Std Dev 0.8349
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

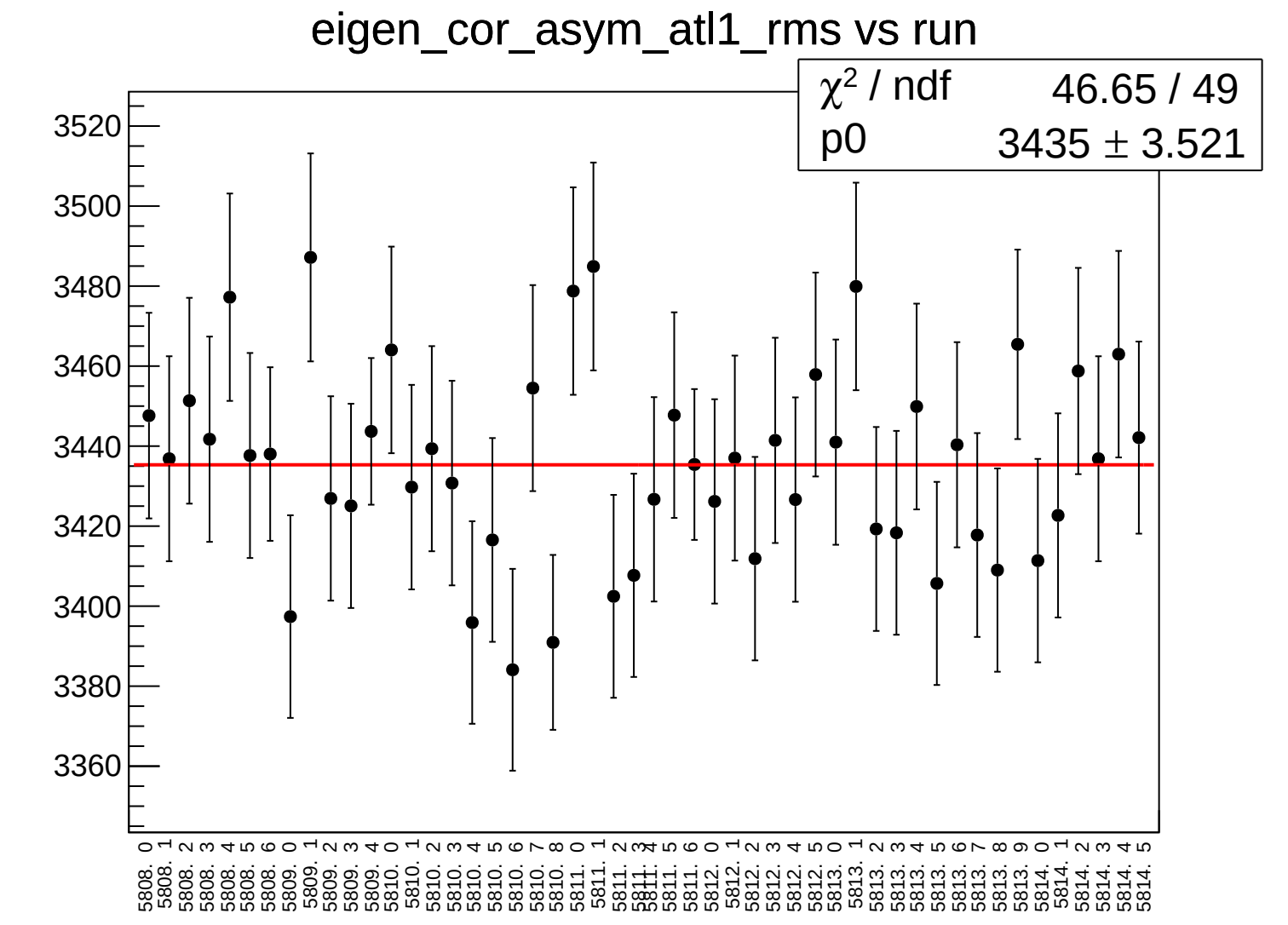

cor_asym_atl1_rms vs run
χ² / ndf 46.65 / 49
p0 3435 ± 3.521
3520
3500
3480
3460
3440
3420
3400
3380
3360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

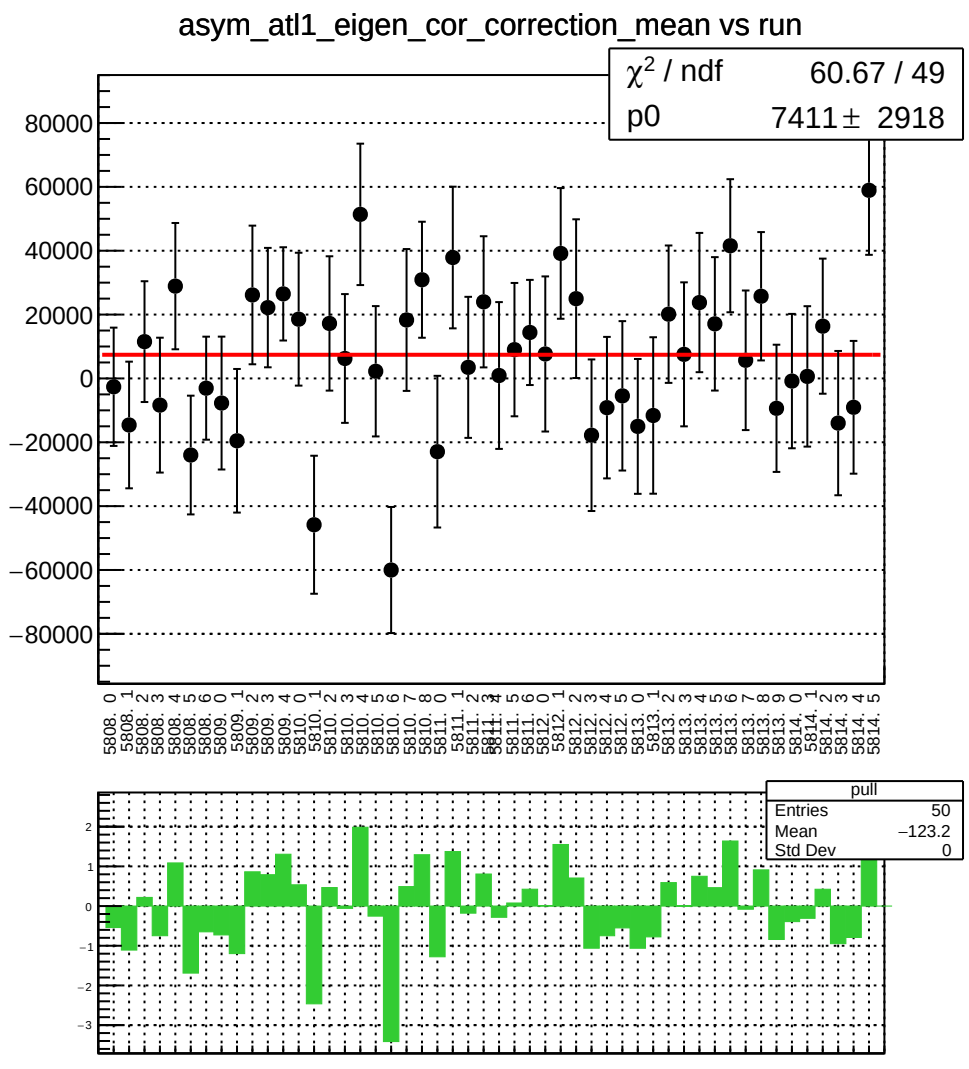

asym_atl1_cor_correction_mean vs run
χ² / ndf 60.67 / 49
p0 7411 ± 2918
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01652
Std Dev 1.101
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

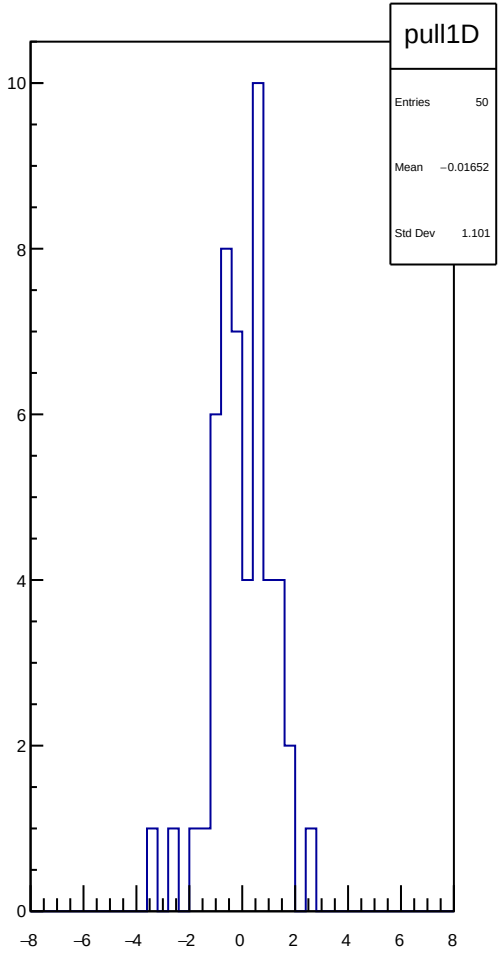

asym_atl1_cor_correction_rms vs run
χ² / ndf 4434 / 49
p0 2008 ± 2.063
2400
2300
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

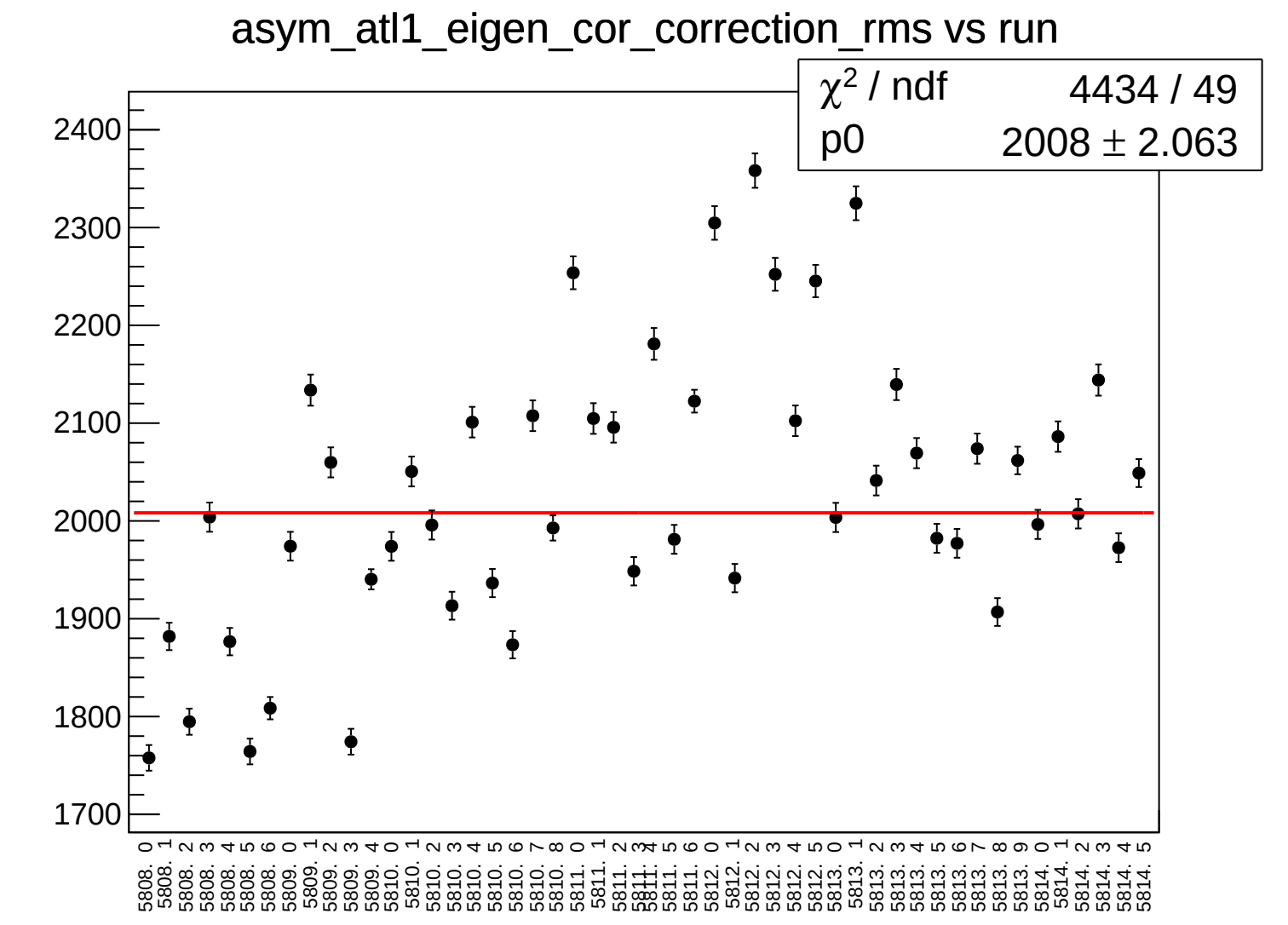

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 34.85 / 49
p0 −2773 ± 4979
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 111
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

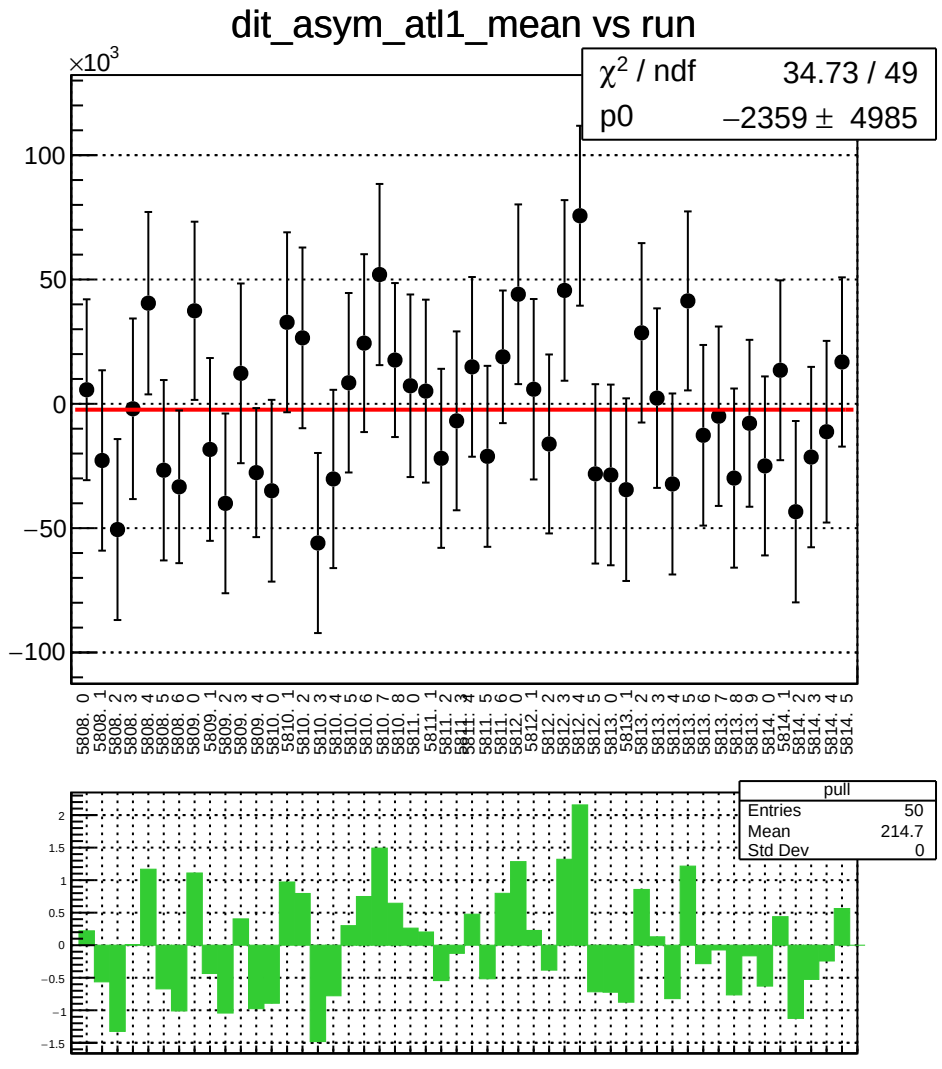

pull1D
Entries 50
Mean 0.002728
Std Dev 0.8349
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

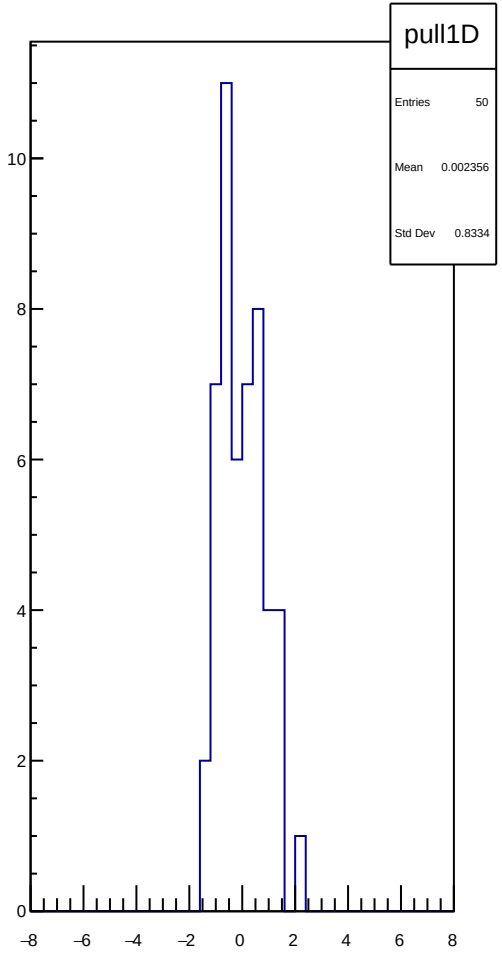

eigen_cor_asym_atl1_rms vs run
χ² / ndf 46.65 / 49
p0 3435 ± 3.521
3520
3500
3480
3460
3440
3420
3400
3380
3360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

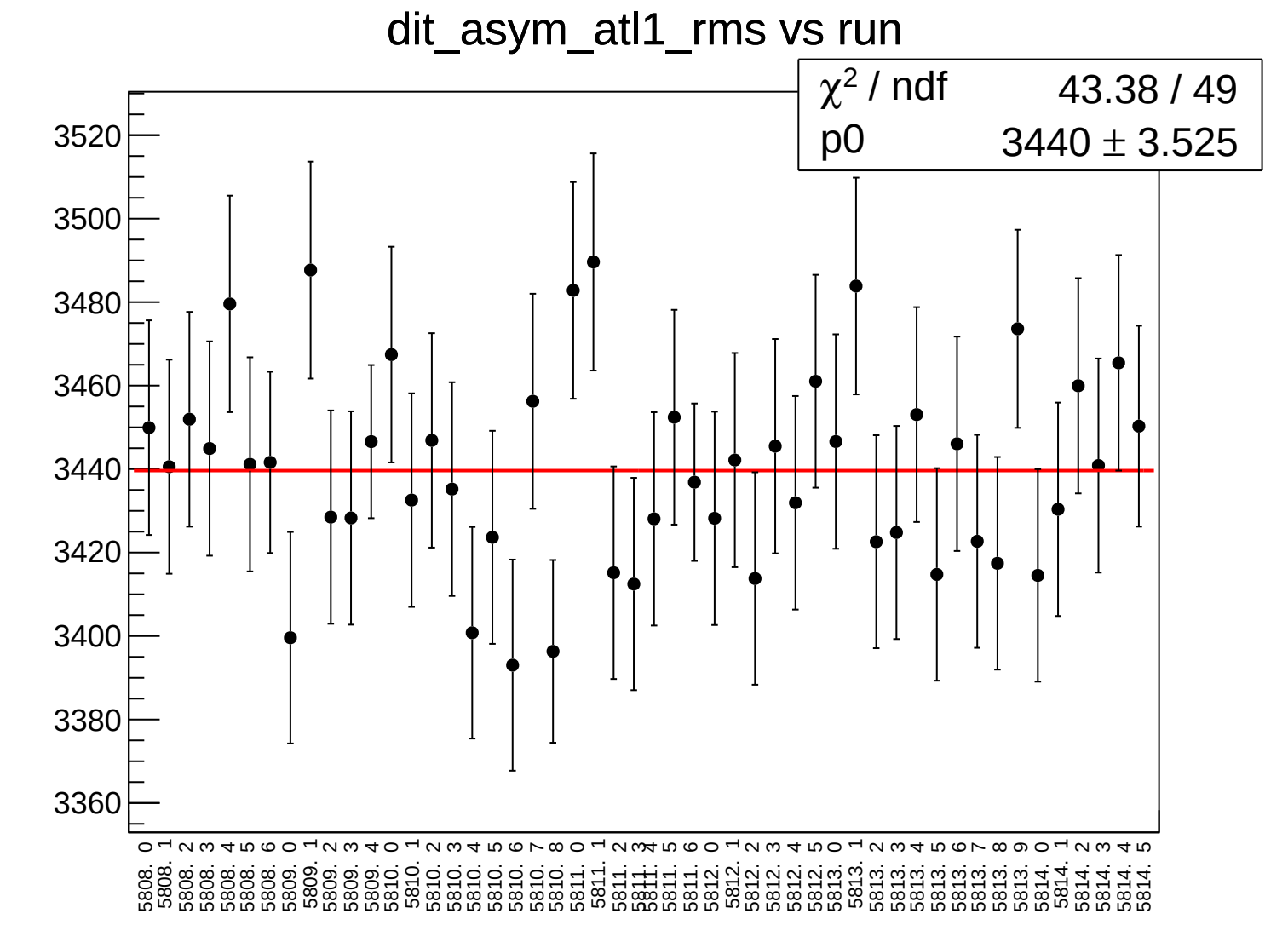

asym_atl1_eigen_cor_correction_mean vs run
χ² / ndf 60.67 / 49
p0 7411 ± 2918
pull
Entries 50
Mean −123.2
Std Dev 0

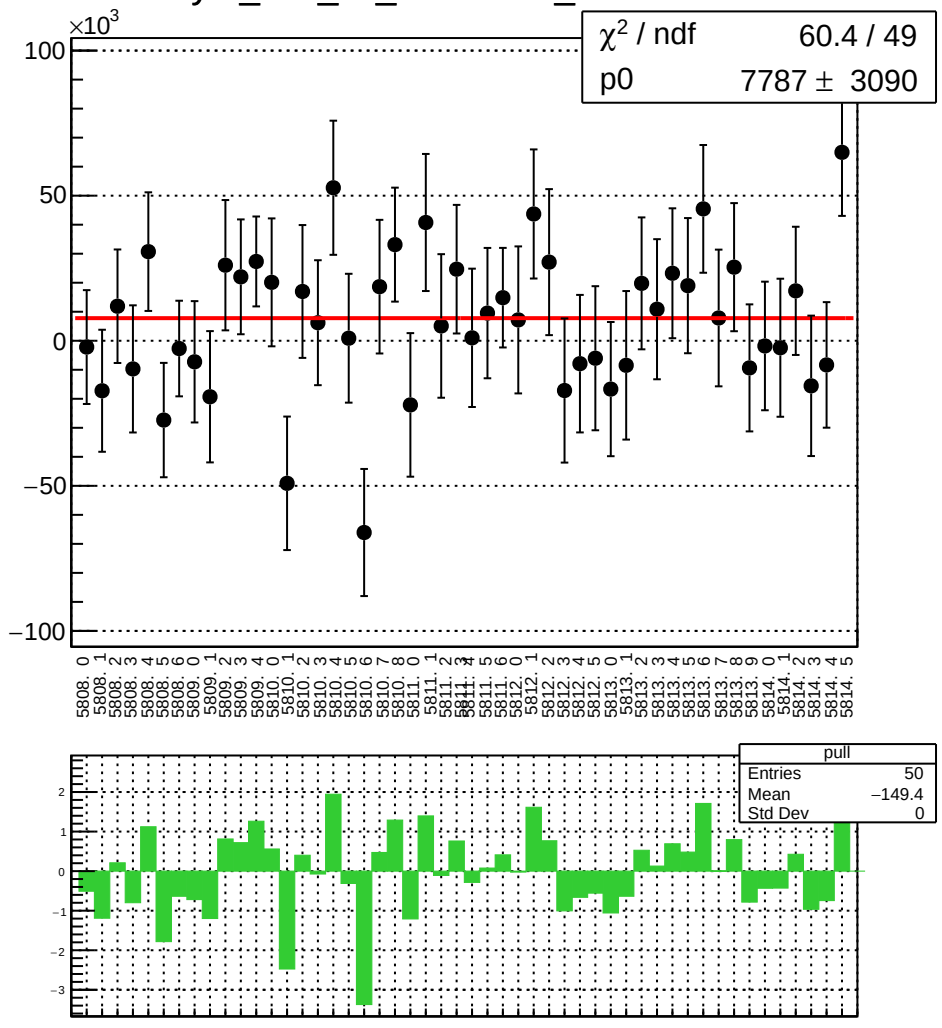

pull1D
Entries 50
Mean −0.01652
Std Dev 1.101

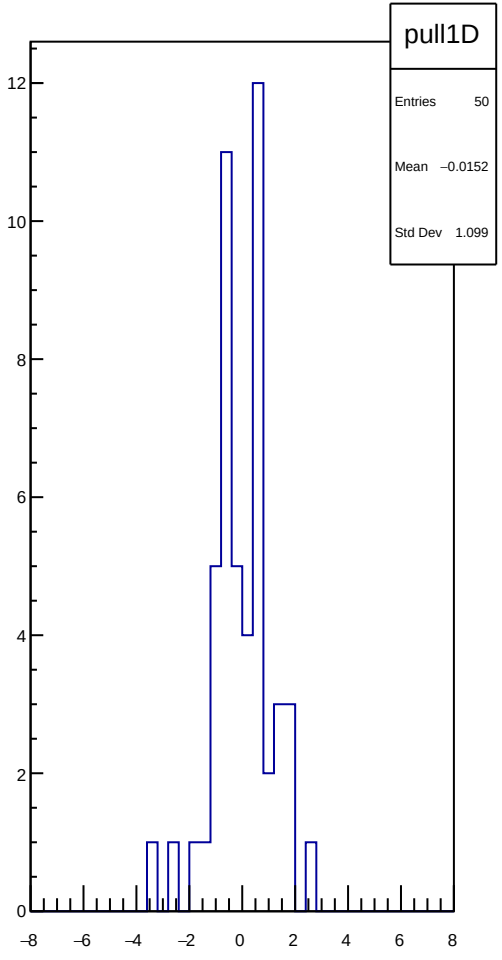

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 4434 / 49
p0 2008 ± 2.063
2400
2300
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

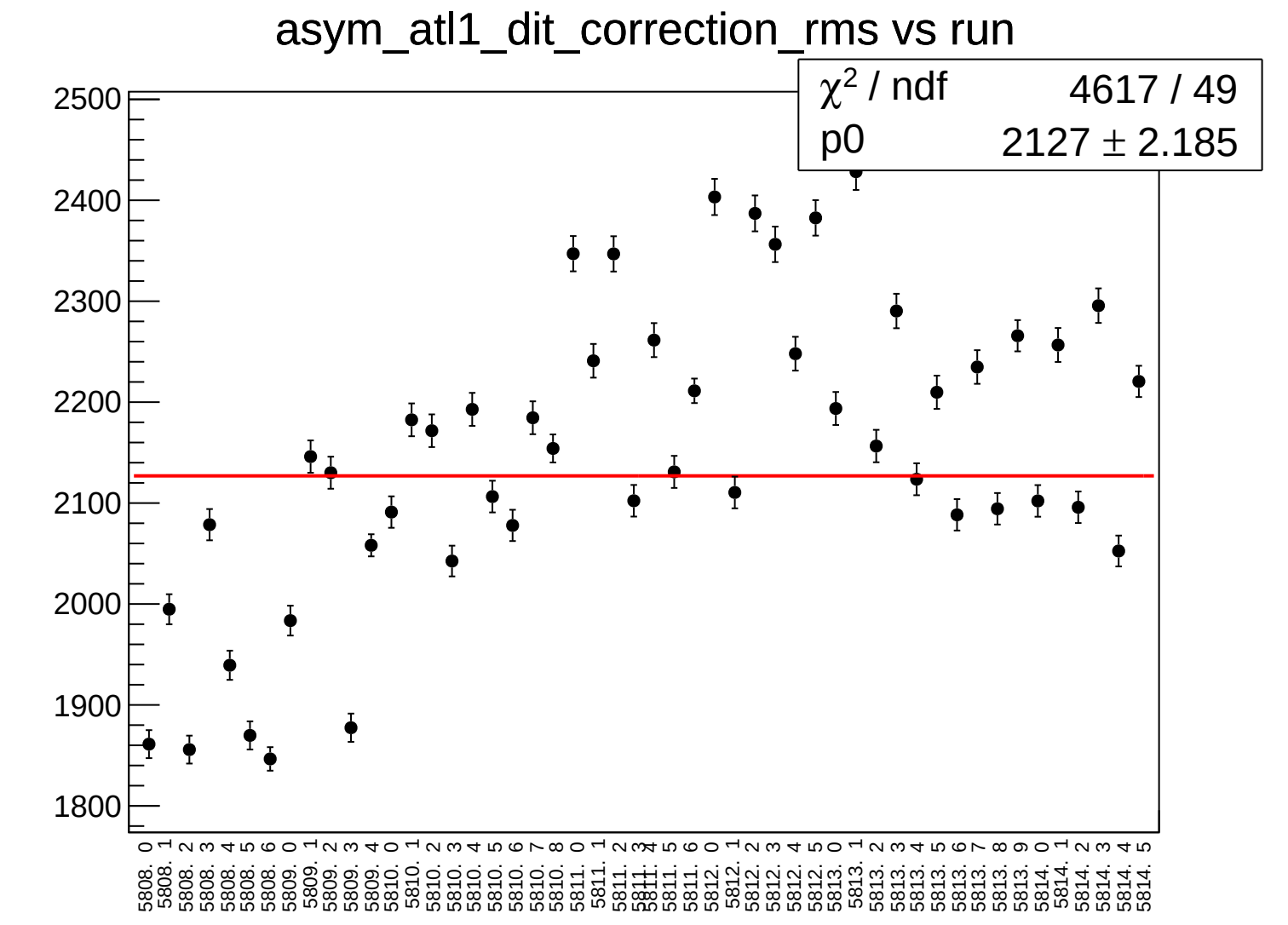

dit_asym_atl1_mean vs run
×10^3
χ^2 / ndf 34.73 / 49
p0 −2359 ± 4985
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 214.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

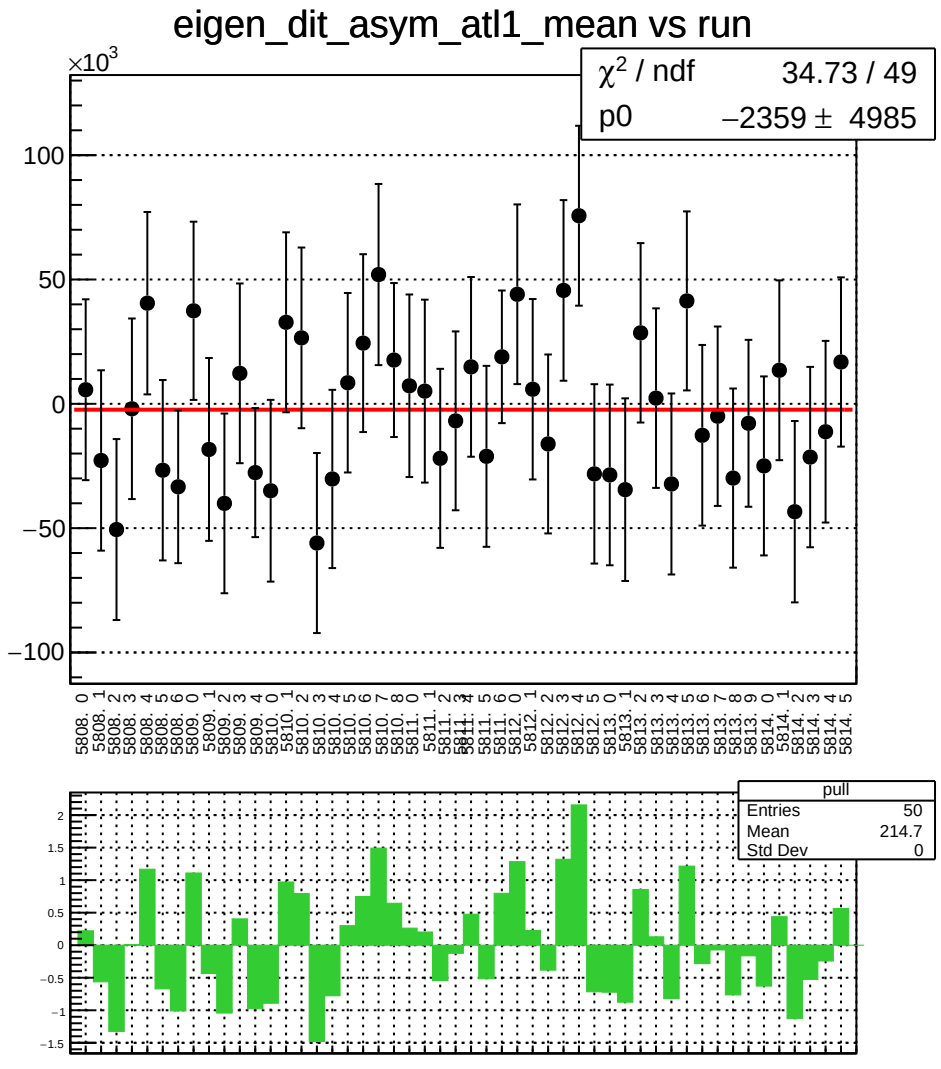

pull1D
Entries 50
Mean 0.002356
Std Dev 0.8334
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

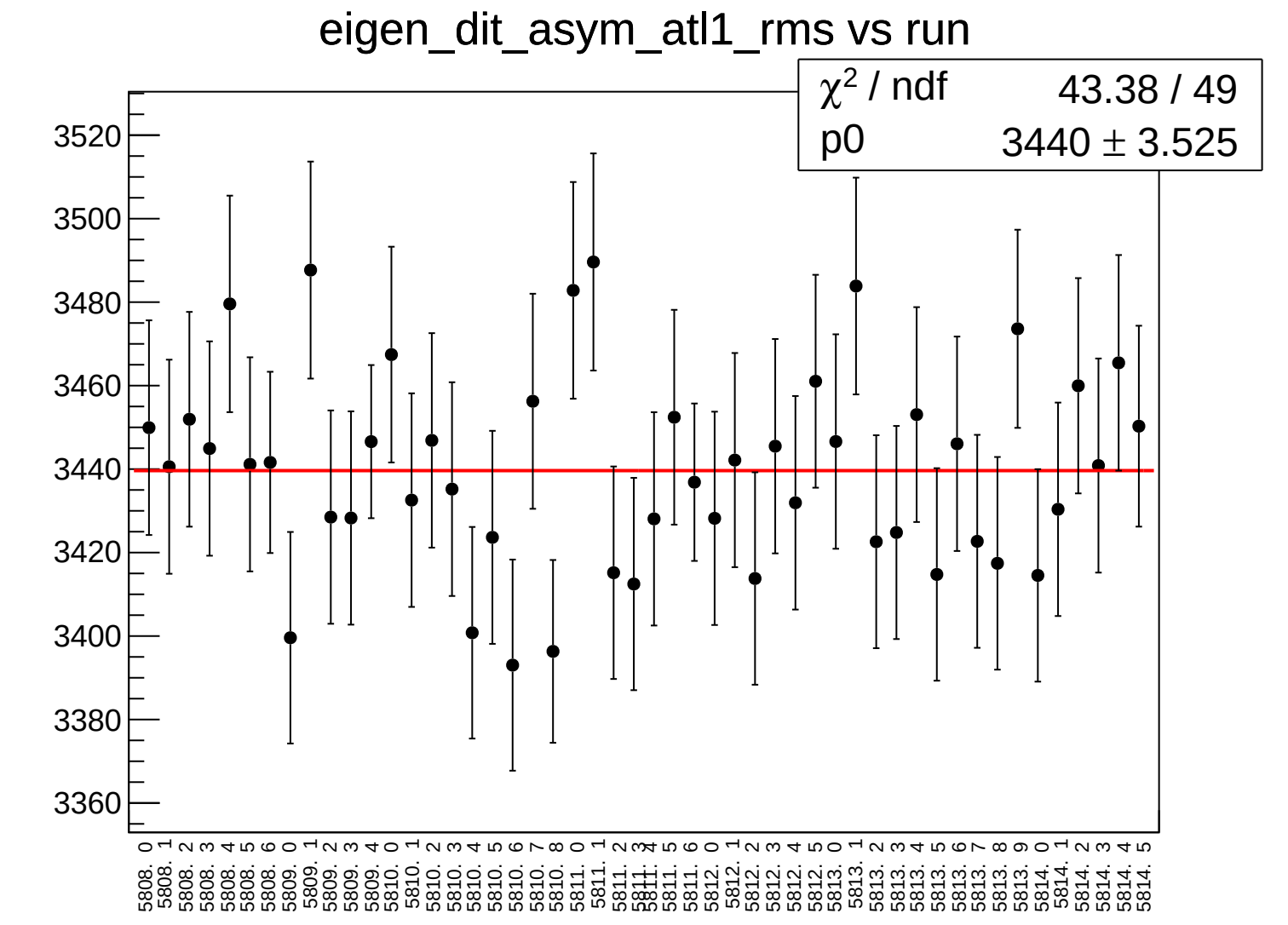

dit_asym_atl1_rms vs run
χ^2 / ndf 43.38 / 49
p0 3440 ± 3.525
3520
3500
3480
3460
3440
3420
3400
3380
3360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

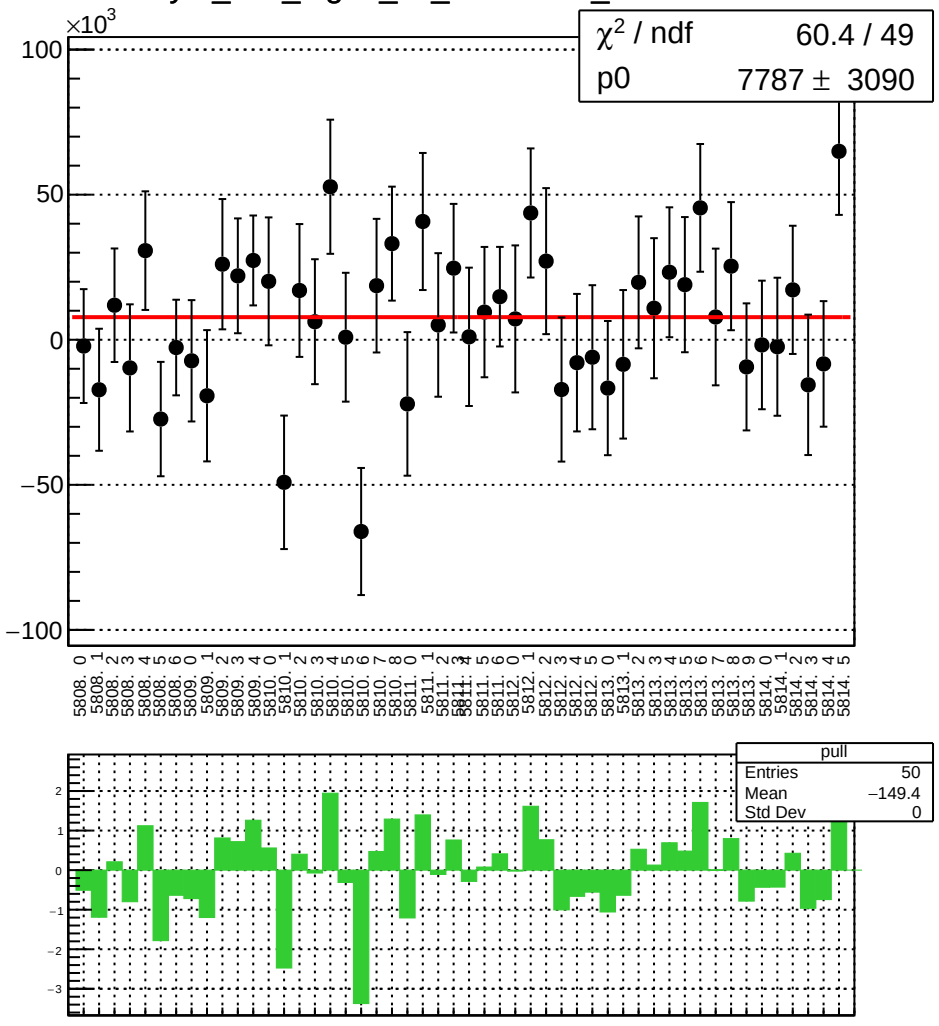

asym_atl1_dit_correction_mean vs run
×10^3
χ² / ndf 60.4 / 49
p0 7787 ± 3090
100
50
0
−50
−100
pull
Entries 50
Mean −149.4
Std Dev 0
2
1
0
−1
−2
−3

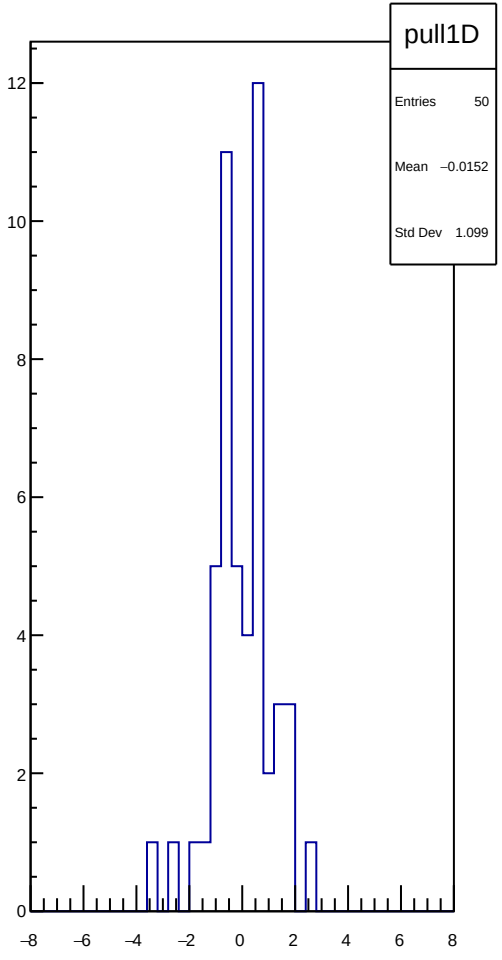

pull1D
Entries 50
Mean −0.0152
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

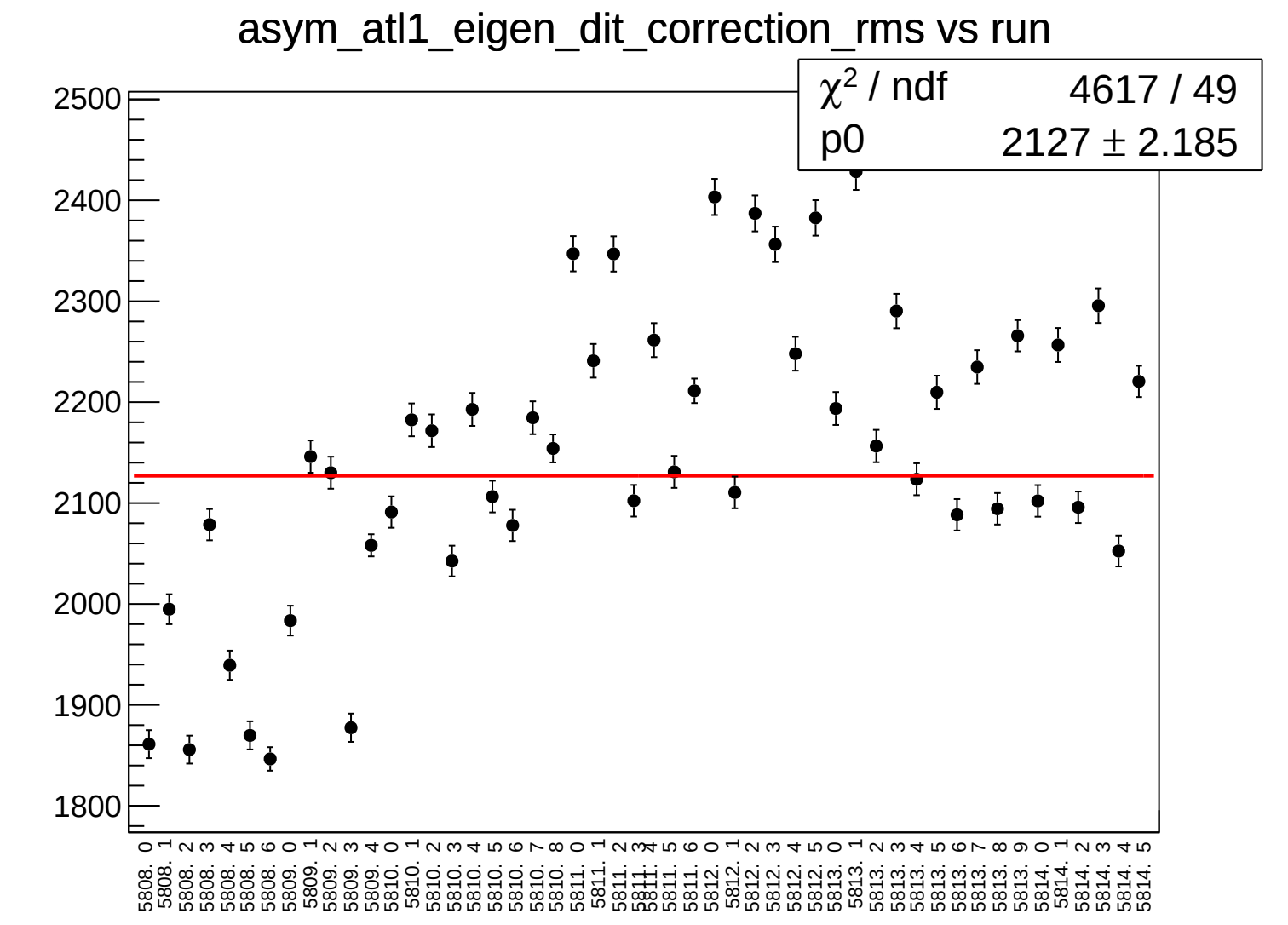

asym_atl1_dit_correction_rms vs run
χ² / ndf 4617 / 49
p0 2127 ± 2.185
2500
2400
2300
2200
2100
2000
1900
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 34.73 / 49
p0 −2359 ± 4985
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 214.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.002356
Std Dev 0.8334
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1_rms vs run
χ² / ndf 43.38 / 49
p0 3440 ± 3.525
3520
3500
3480
3460
3440
3420
3400
3380
3360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 60.4 / 49
p0 7787 ± 3090
100
50
0
−50
−100
pull
Entries 50
Mean −149.4
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.0152
Std Dev 1.099
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 4617 / 49
p0 2127 ± 2.185
2500
2400
2300
2200
2100
2000
1900
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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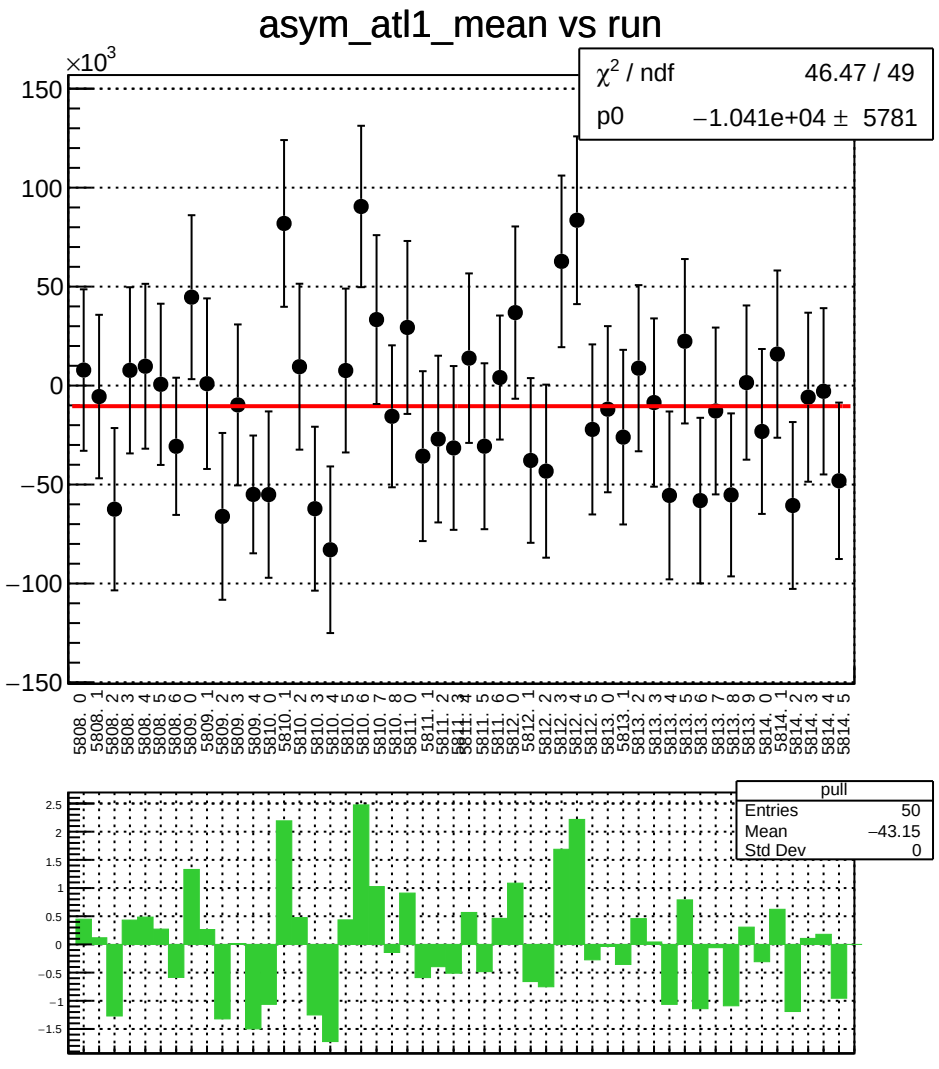
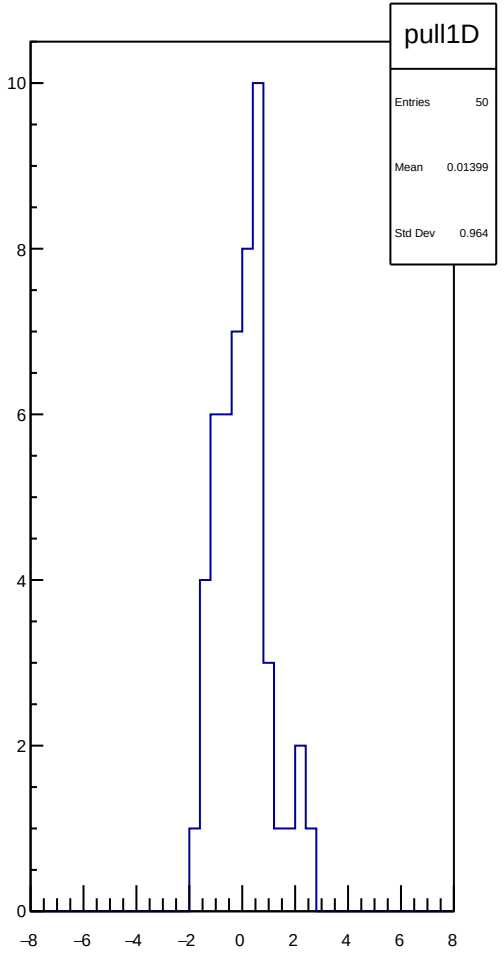
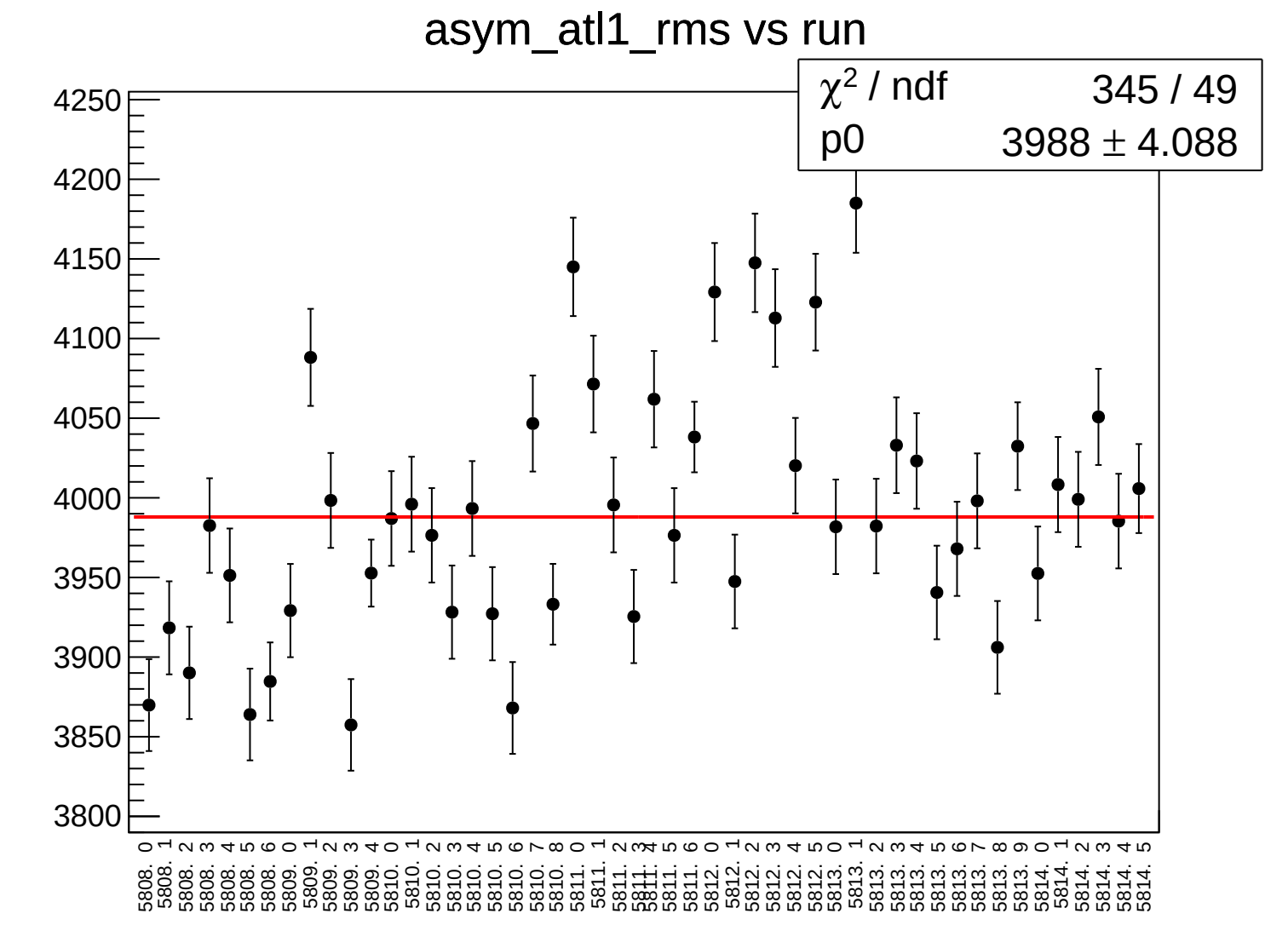
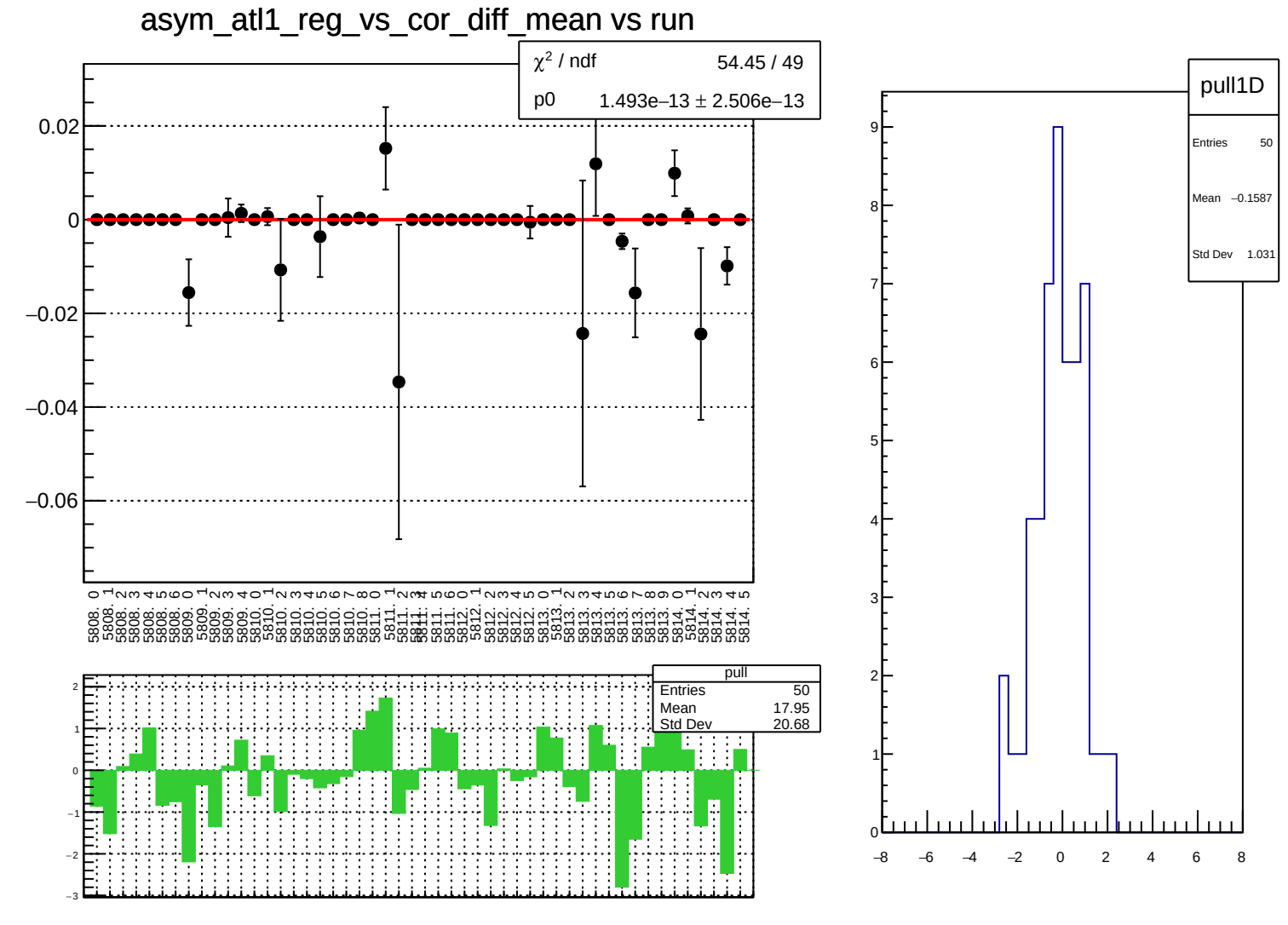
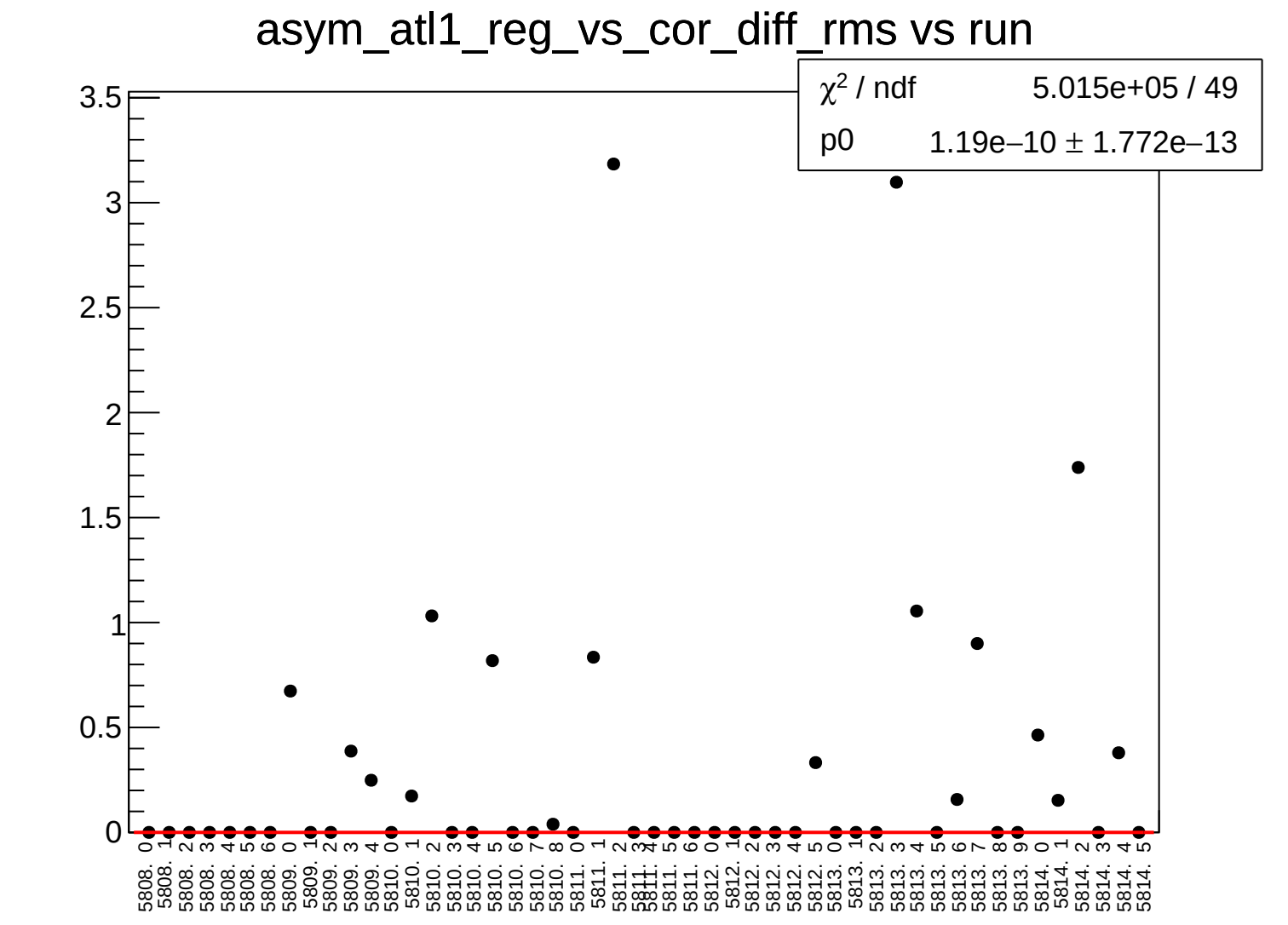
5814. 4
5814. 5

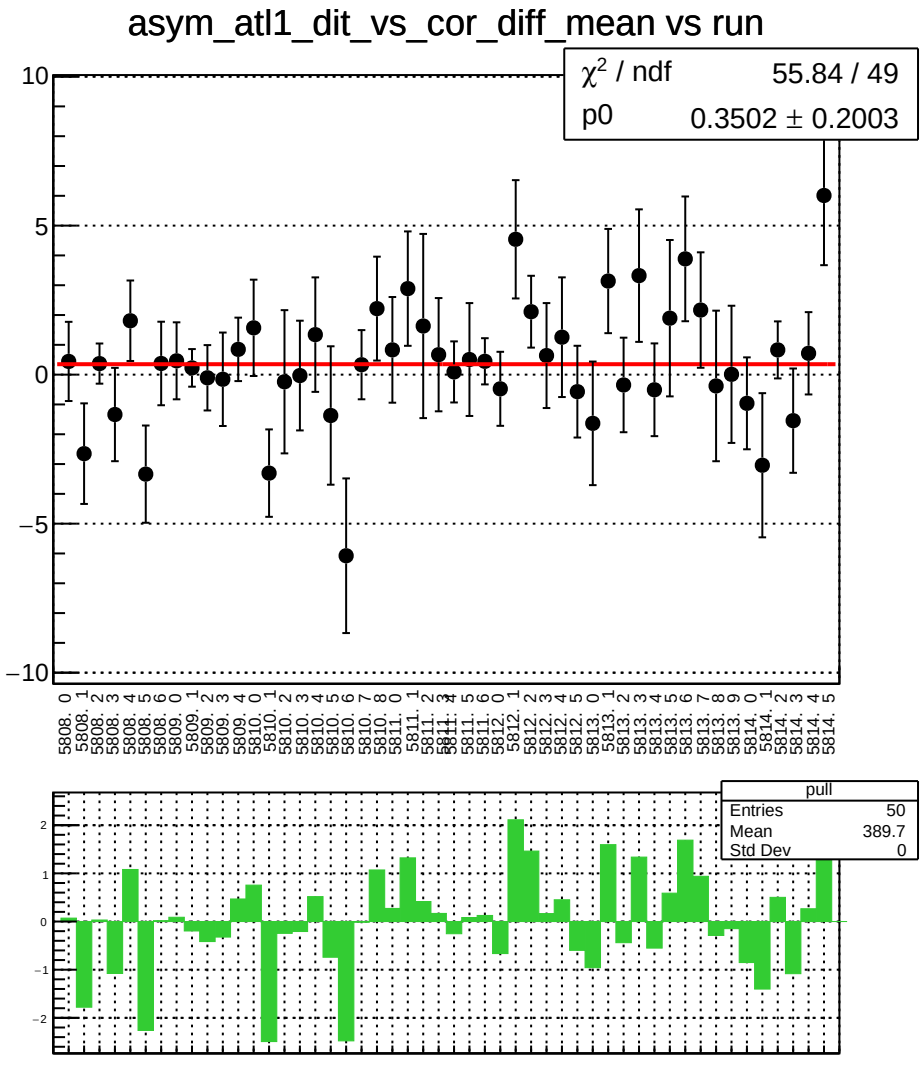

asym_atl1_mean vs run
×10^3
χ² / ndf 46.47 / 49
p0 −1.041e+04 ± 5781
pull
Entries 50
Mean −43.15
Std Dev 0

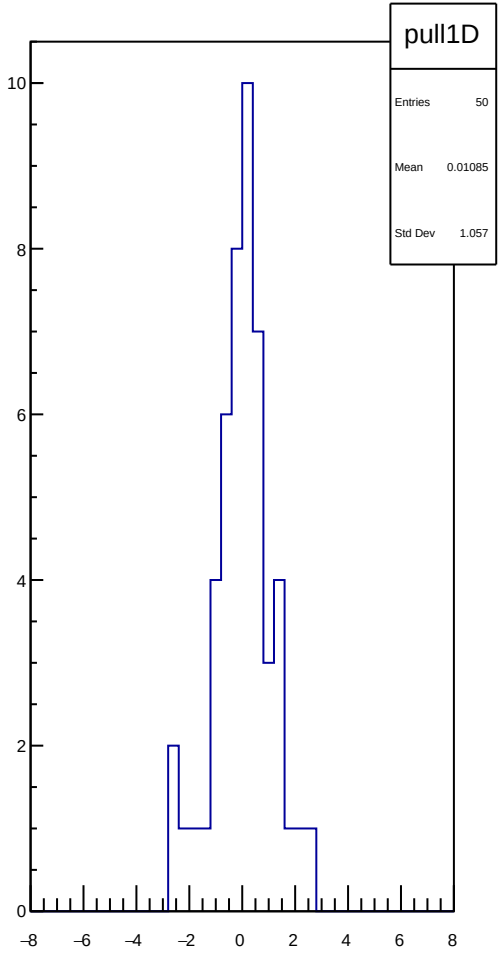

pull1D
Entries 50
Mean 0.01399
Std Dev 0.964

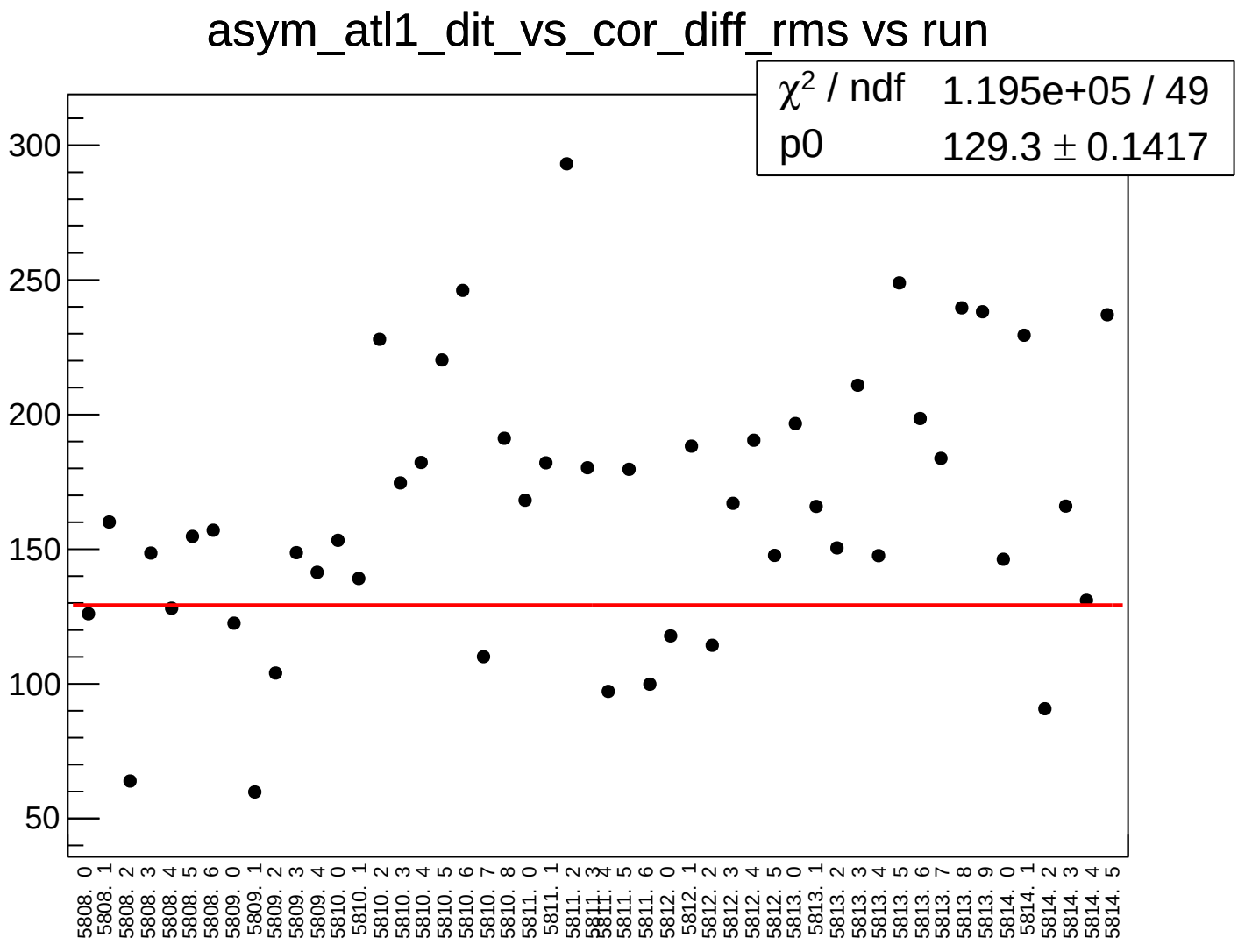

asym_atl1_rms vs run
χ² / ndf 345 / 49
p0 3988 ± 4.088
4250
4200
4150
4100
4050
4000
3950
3900
3850
3800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

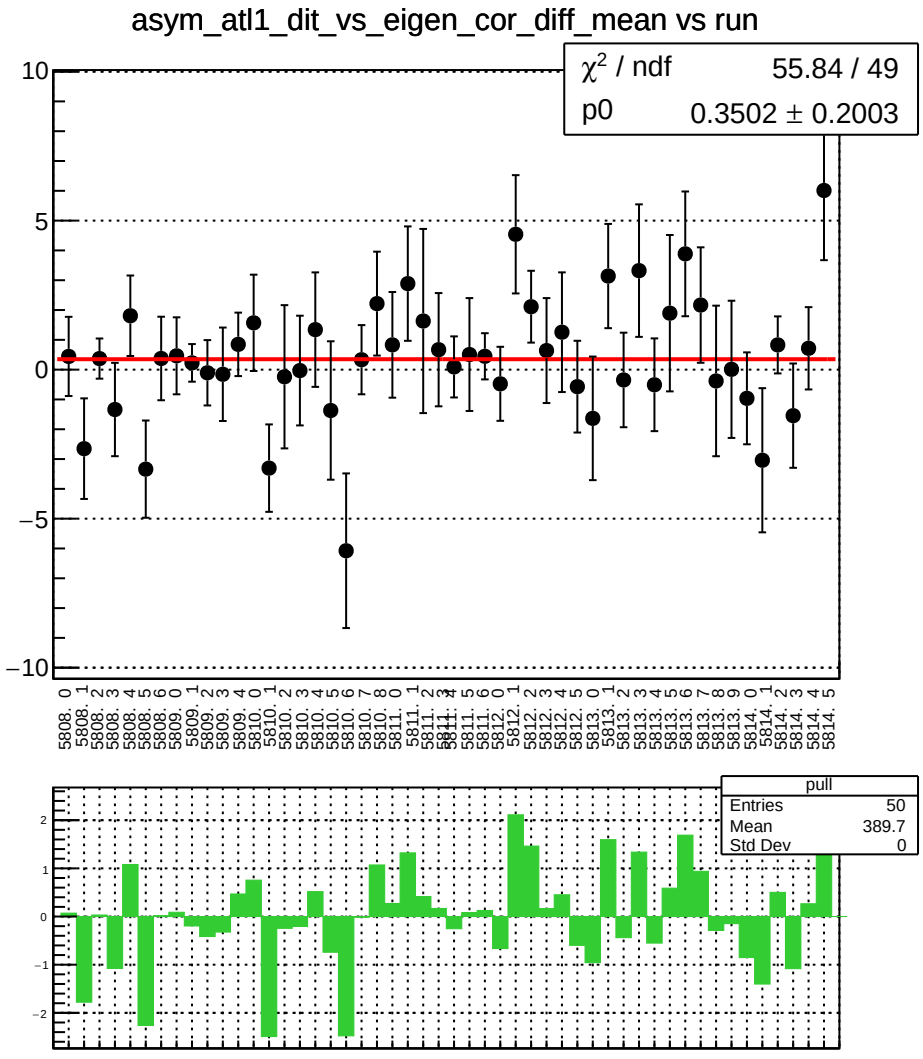

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 54.45 / 49
p0 1.493e−13 ± 2.506e−13
0.02
0
−0.02
−0.04
−0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 17.95
Std Dev 20.68
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.1587
Std Dev 1.031
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

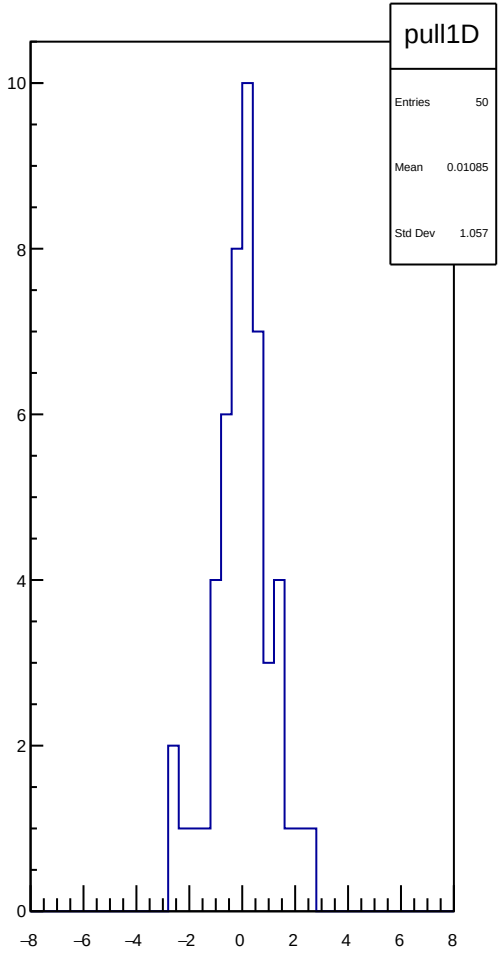

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.015e+05 / 49
p0 1.19e−10 ± 1.772e−13
3.5
3
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

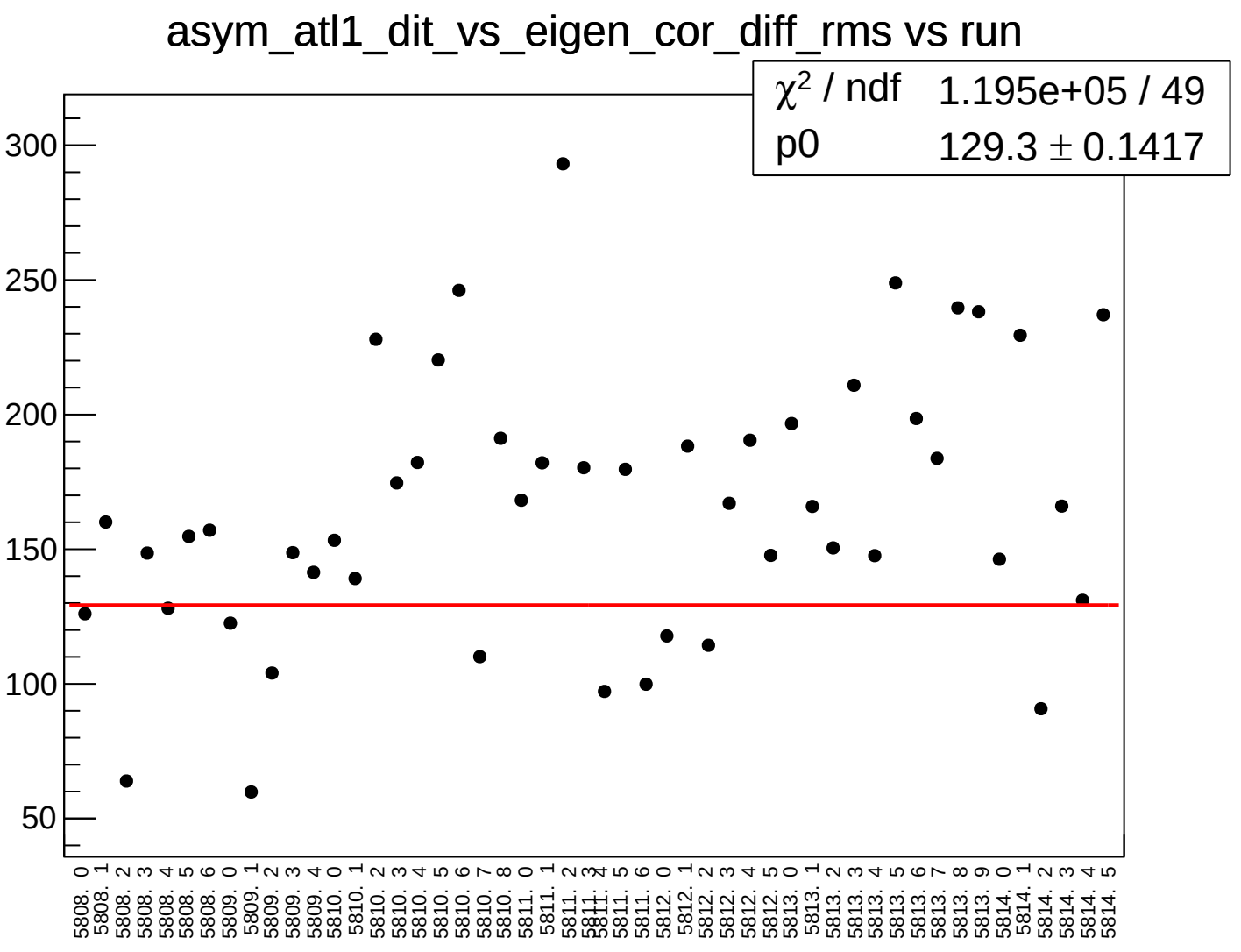

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 55.84 / 49
p0 0.3502 ± 0.2003
pull
Entries 50
Mean 389.7
Std Dev 0

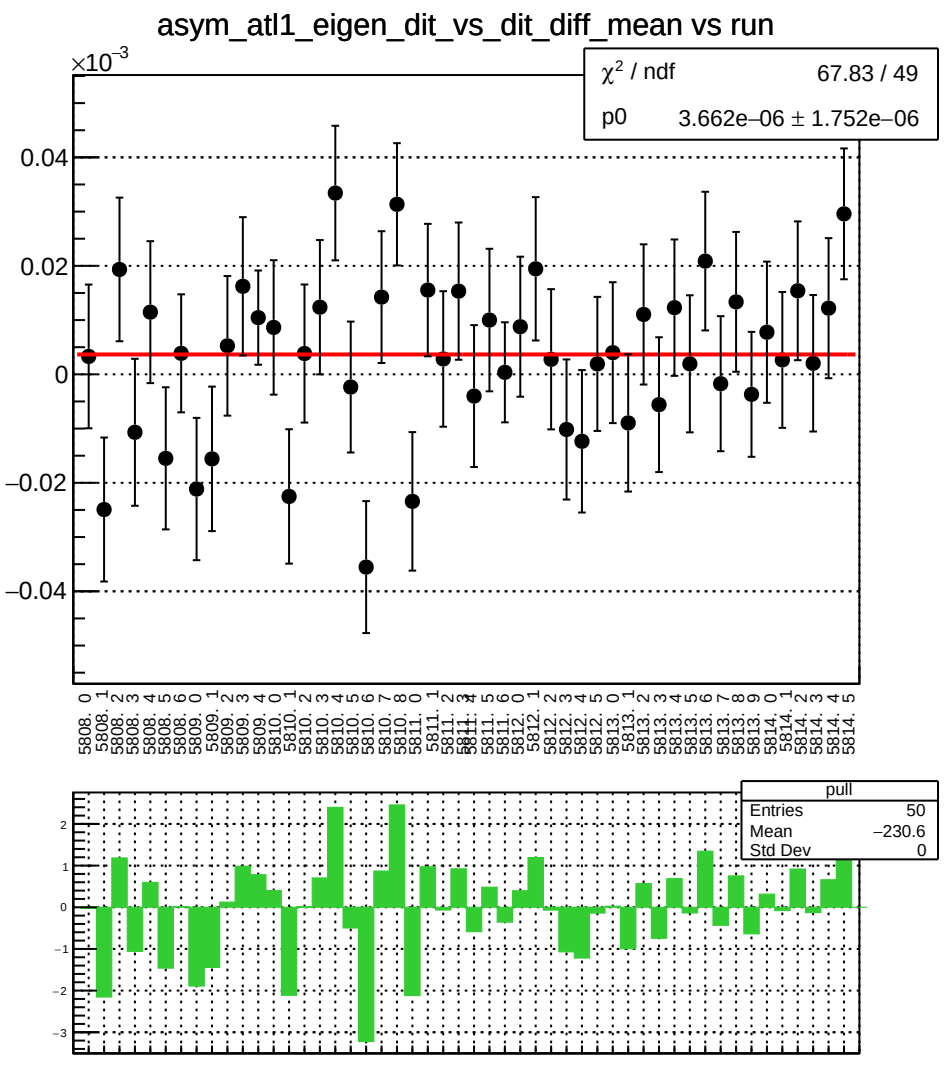

pull1D
Entries 50
Mean 0.01085
Std Dev 1.057

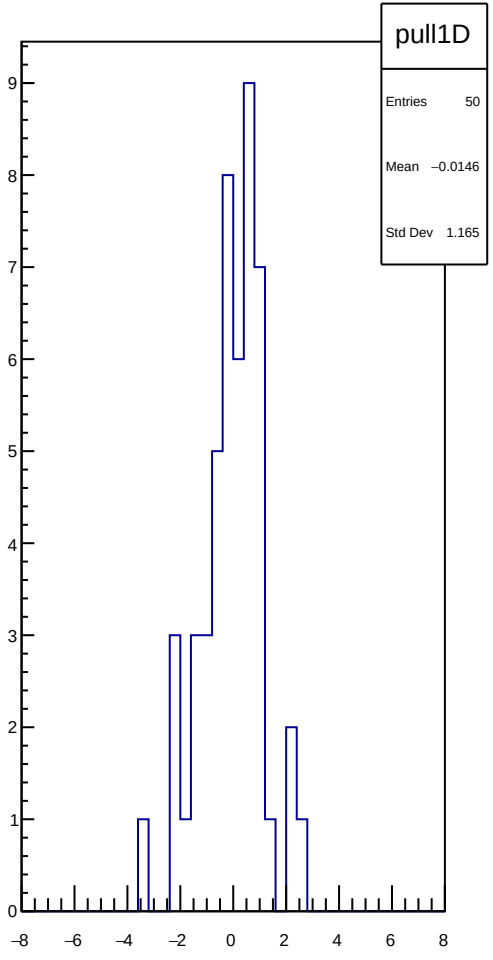

asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 49
p0 129.3 ± 0.1417
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

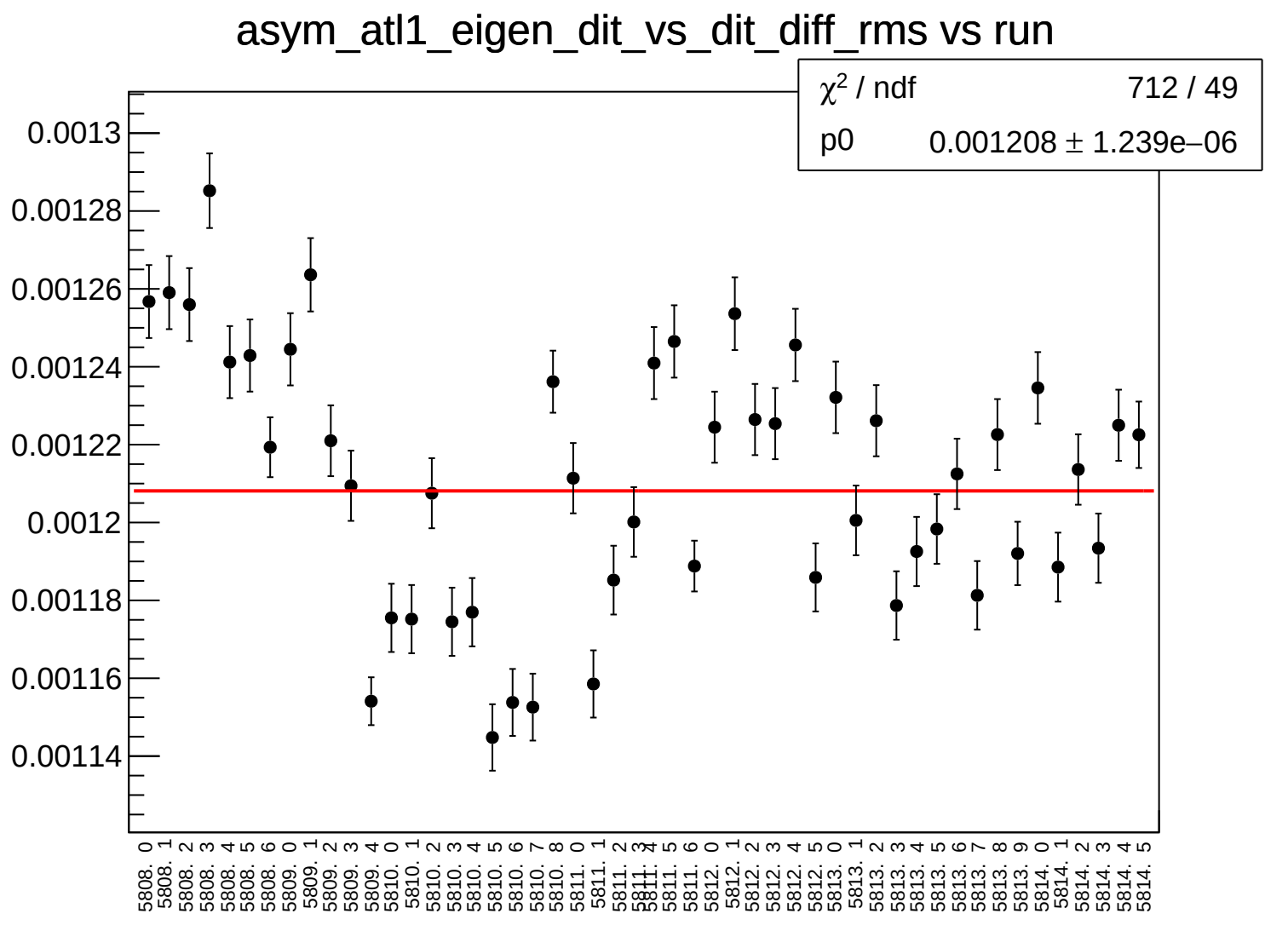

asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.84 / 49
p0 0.3502 ± 0.2003
pull
Entries 50
Mean 389.7
Std Dev 0

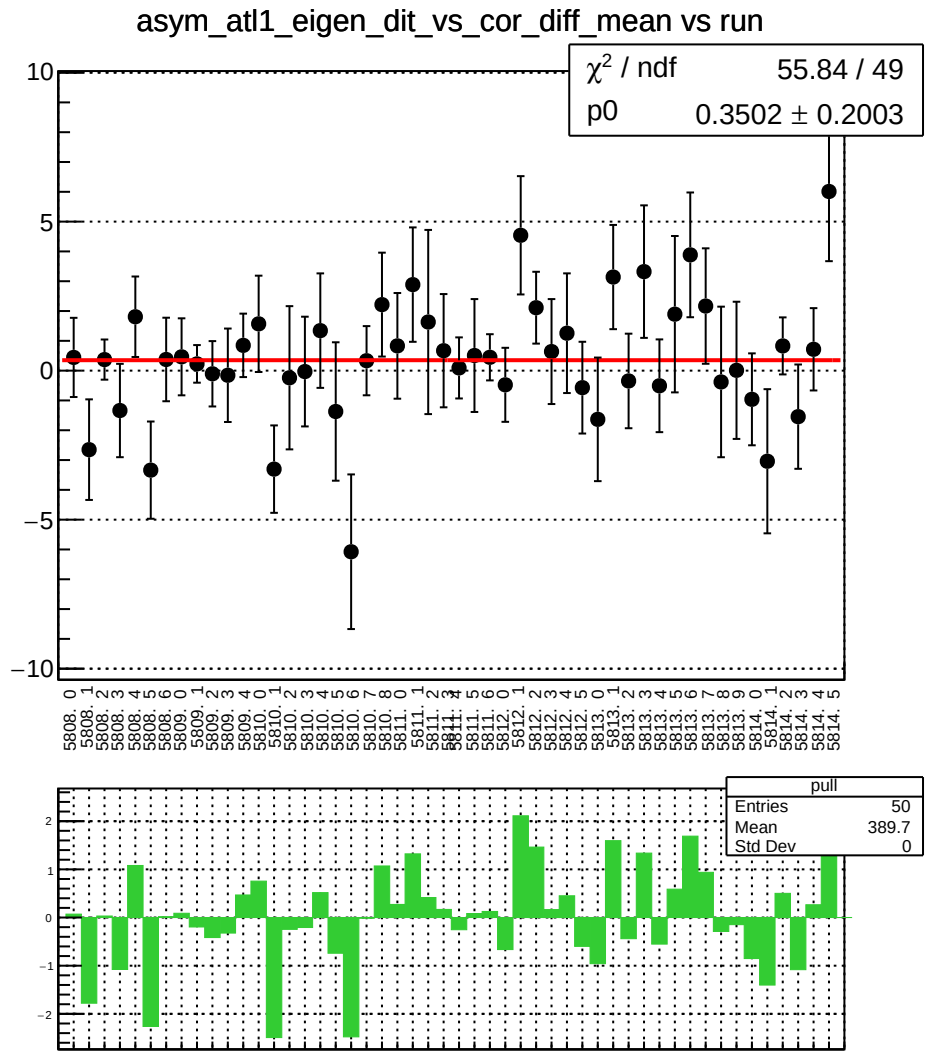

pull1D
Entries 50
Mean 0.01085
Std Dev 1.057

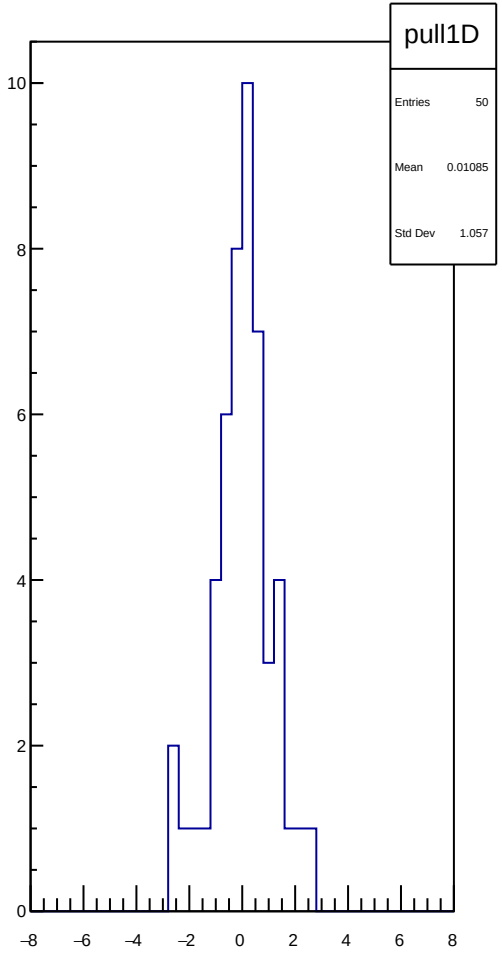

asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 49
p0 129.3 ± 0.1417
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

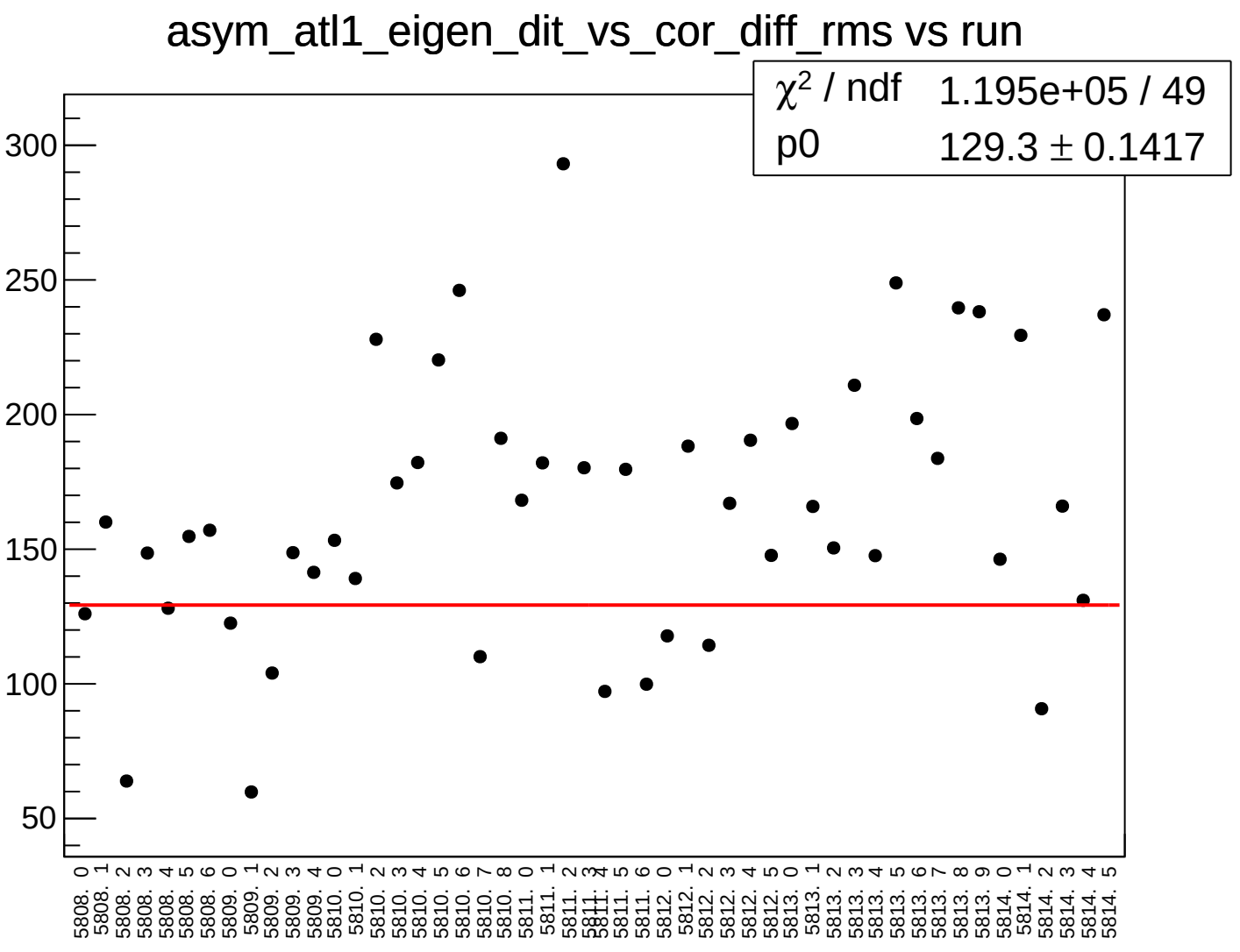

asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 67.83 / 49
p0 3.662e−06 ± 1.752e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 50
Mean −230.6
Std Dev 0

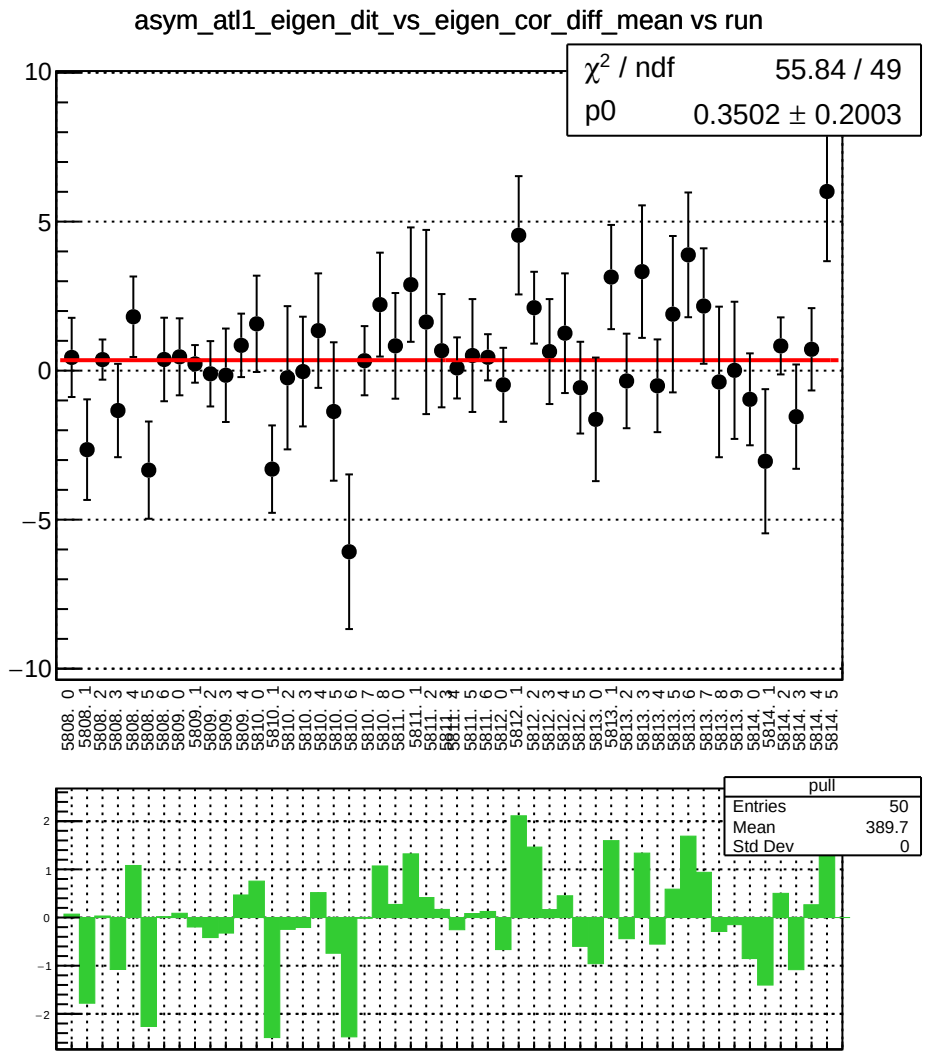

pull1D
Entries 50
Mean −0.0146
Std Dev 1.165

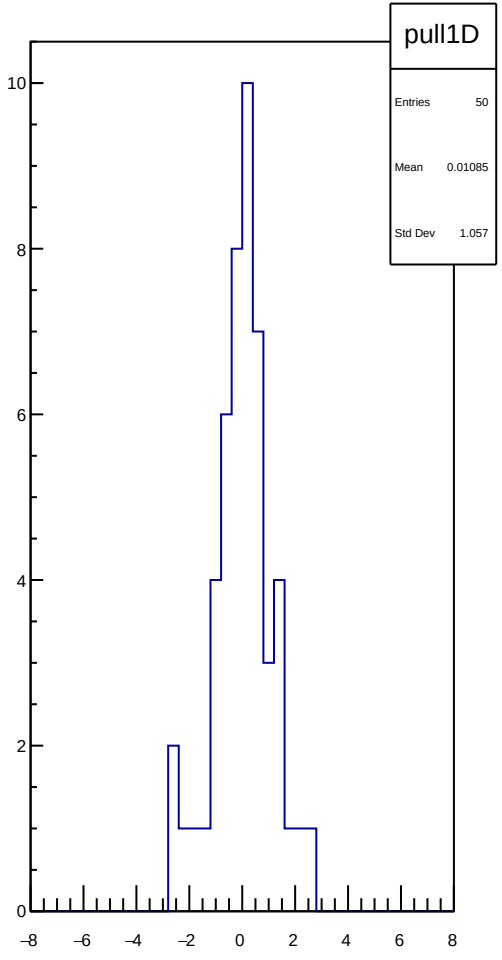

asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 712 / 49
p0 0.001208 ± 1.239e−06
0.0013
0.00128
0.00126
0.00124
0.00122
0.0012
0.00118
0.00116
0.00114
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

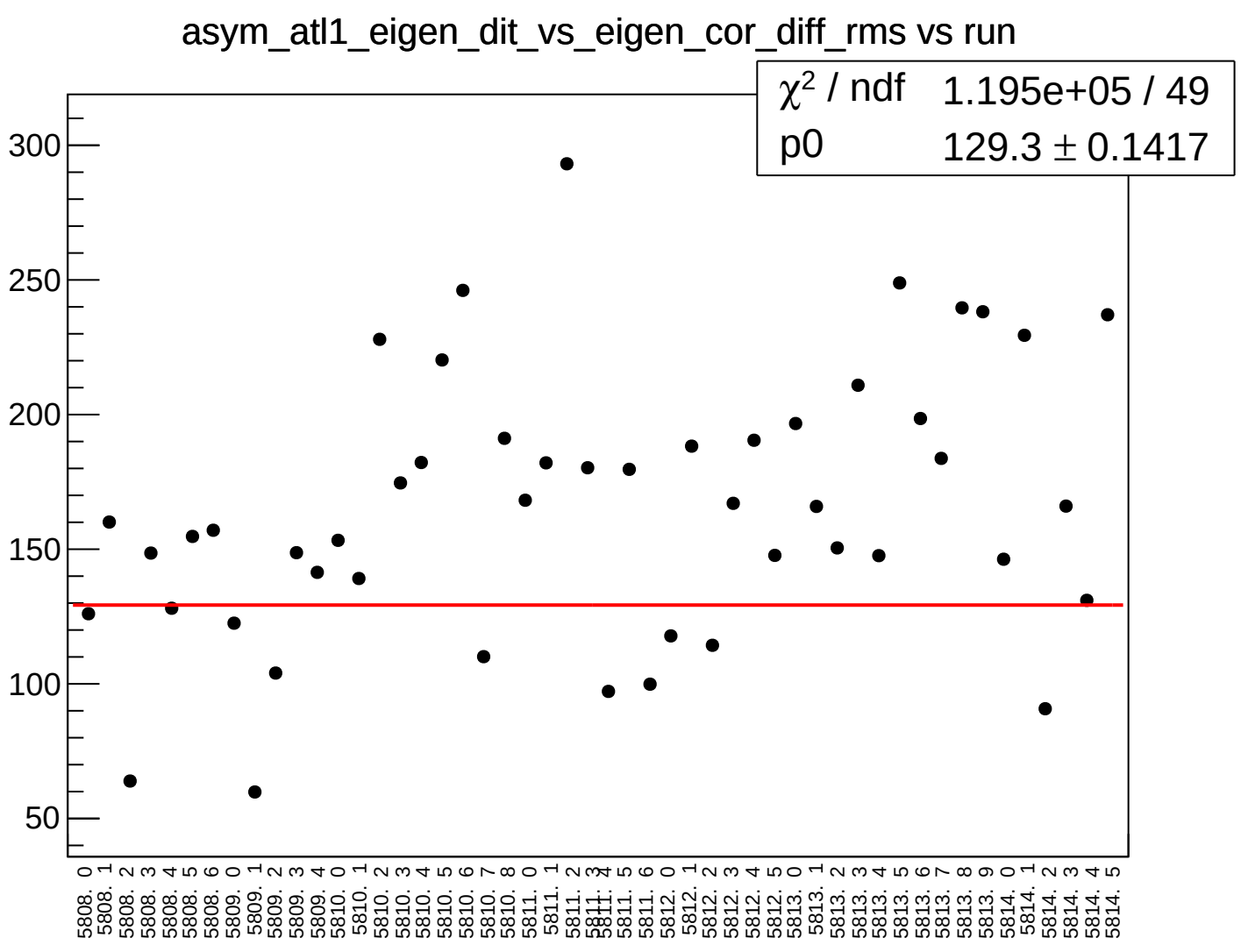

asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.84 / 49
p0 0.3502 ± 0.2003
pull
Entries 50
Mean 389.7
Std Dev 0

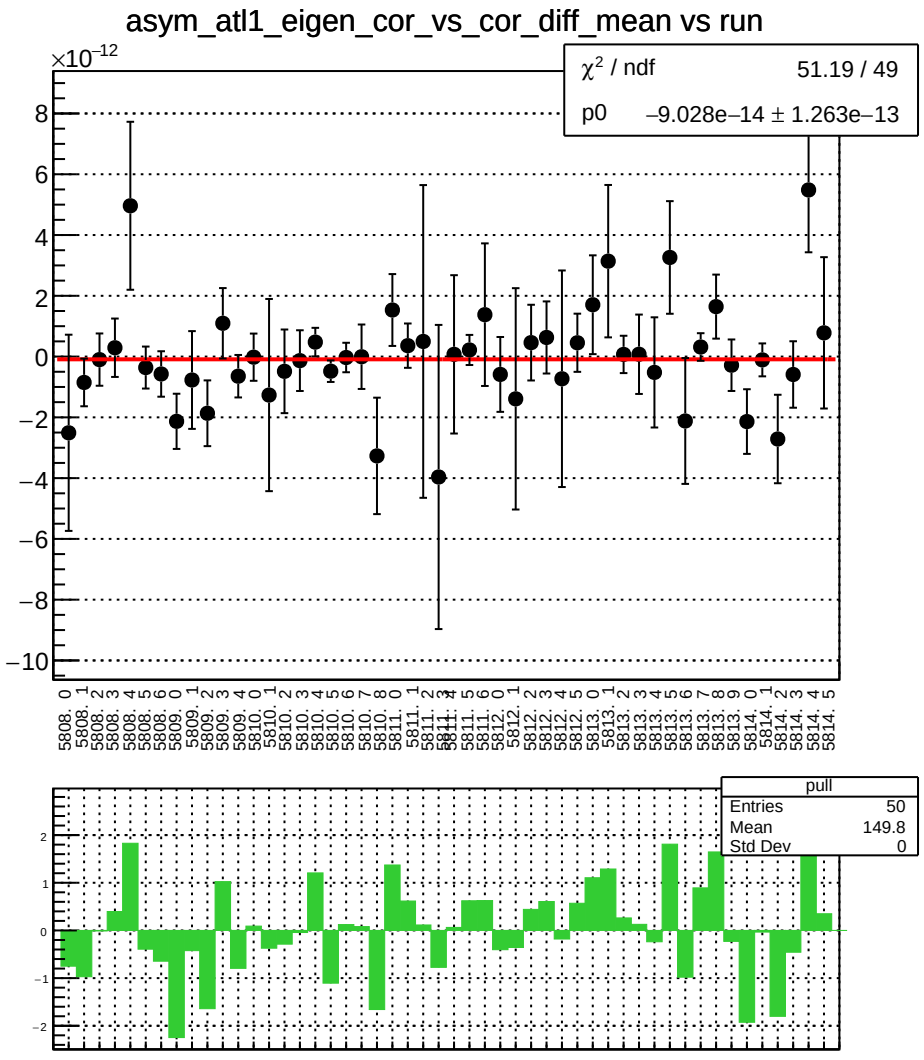

pull1D
Entries 50
Mean 0.01085
Std Dev 1.057

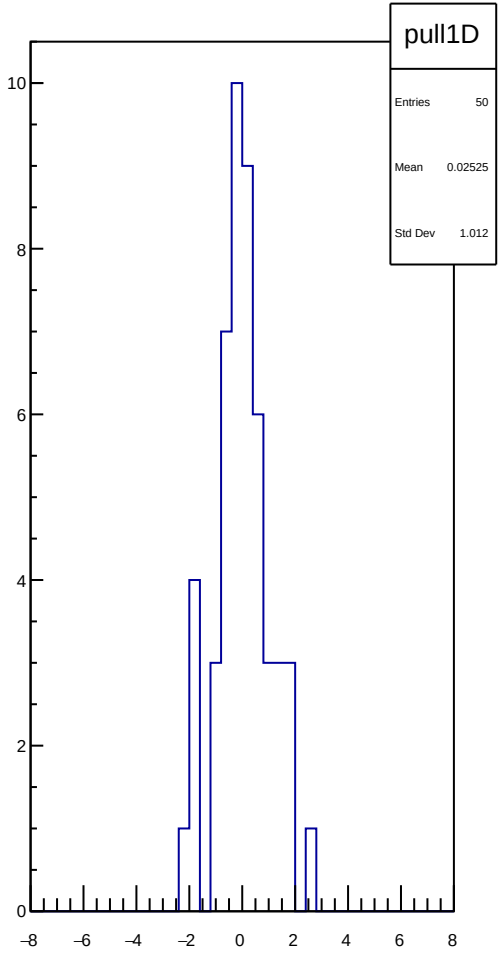

asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 49
p0 129.3 ± 0.1417
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

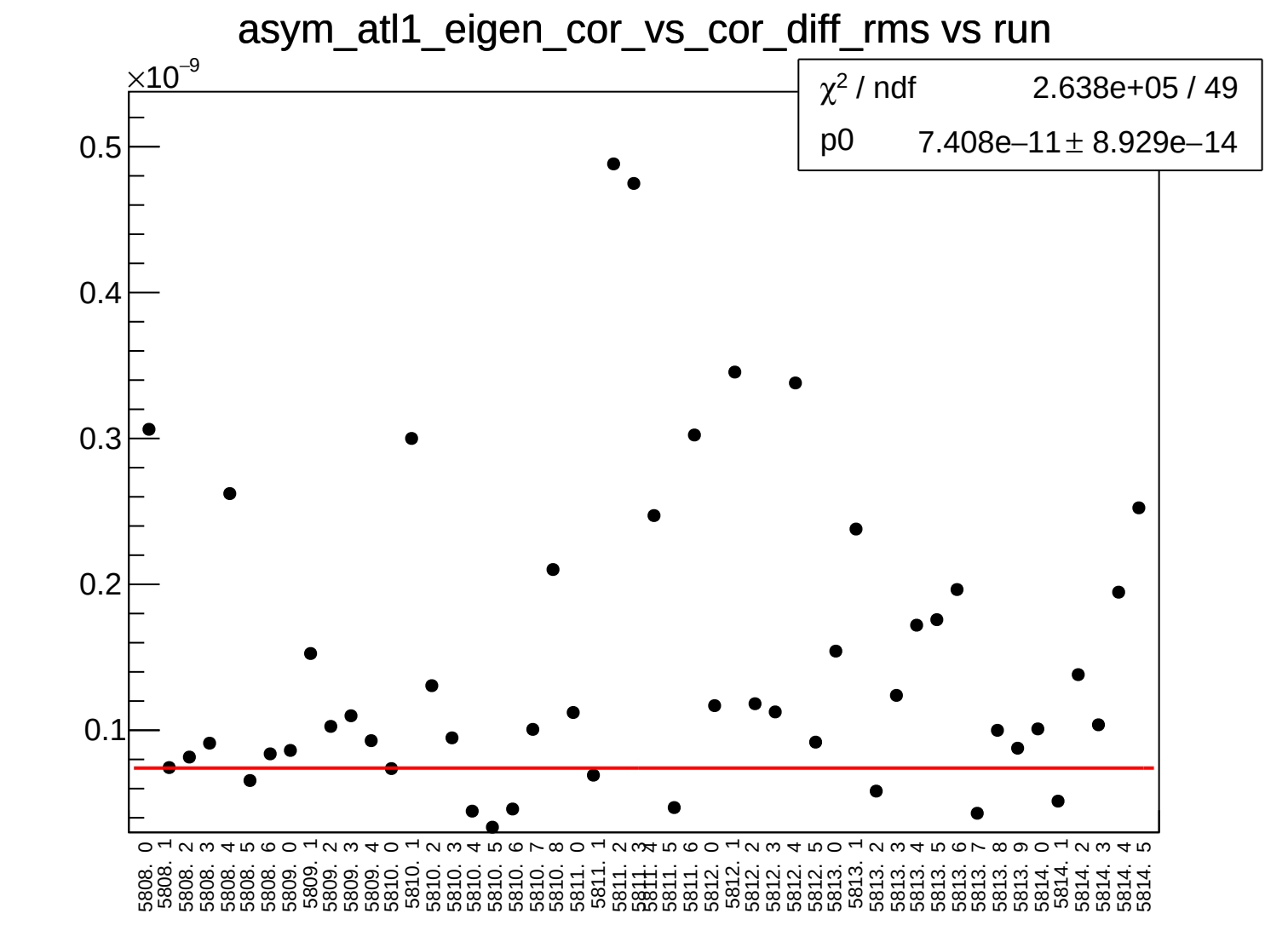

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.84 / 49
p0 0.3502 ± 0.2003
pull
Entries 50
Mean 389.7
Std Dev 0

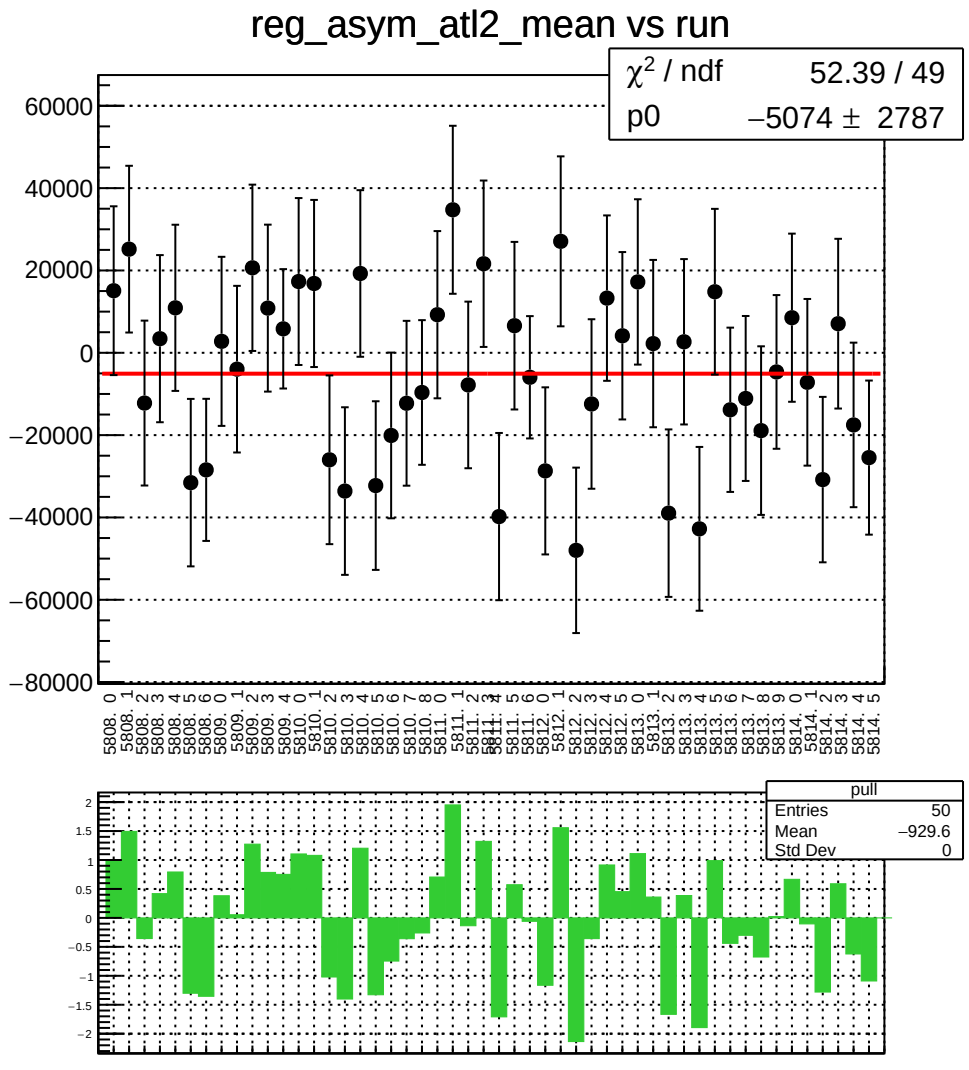

pull1D
Entries 50
Mean 0.01085
Std Dev 1.057

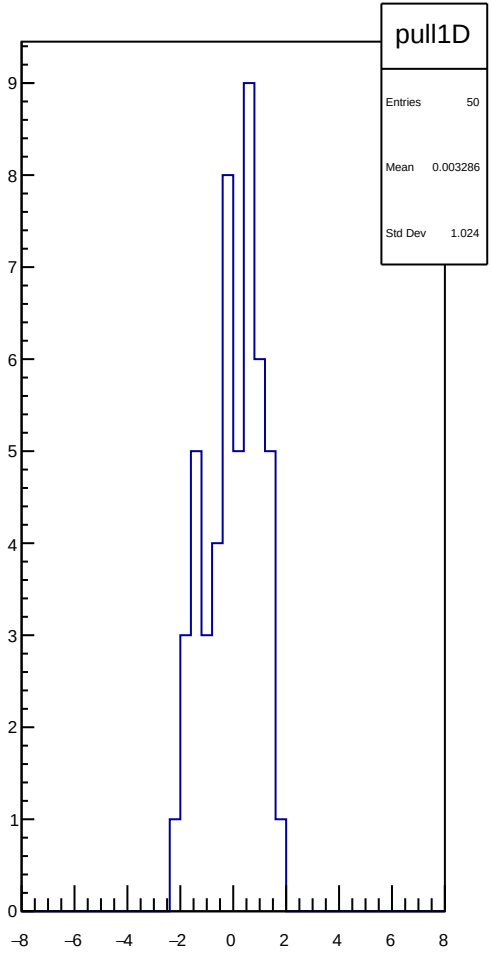

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.195e+05 / 49
p0 129.3 ± 0.1417
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

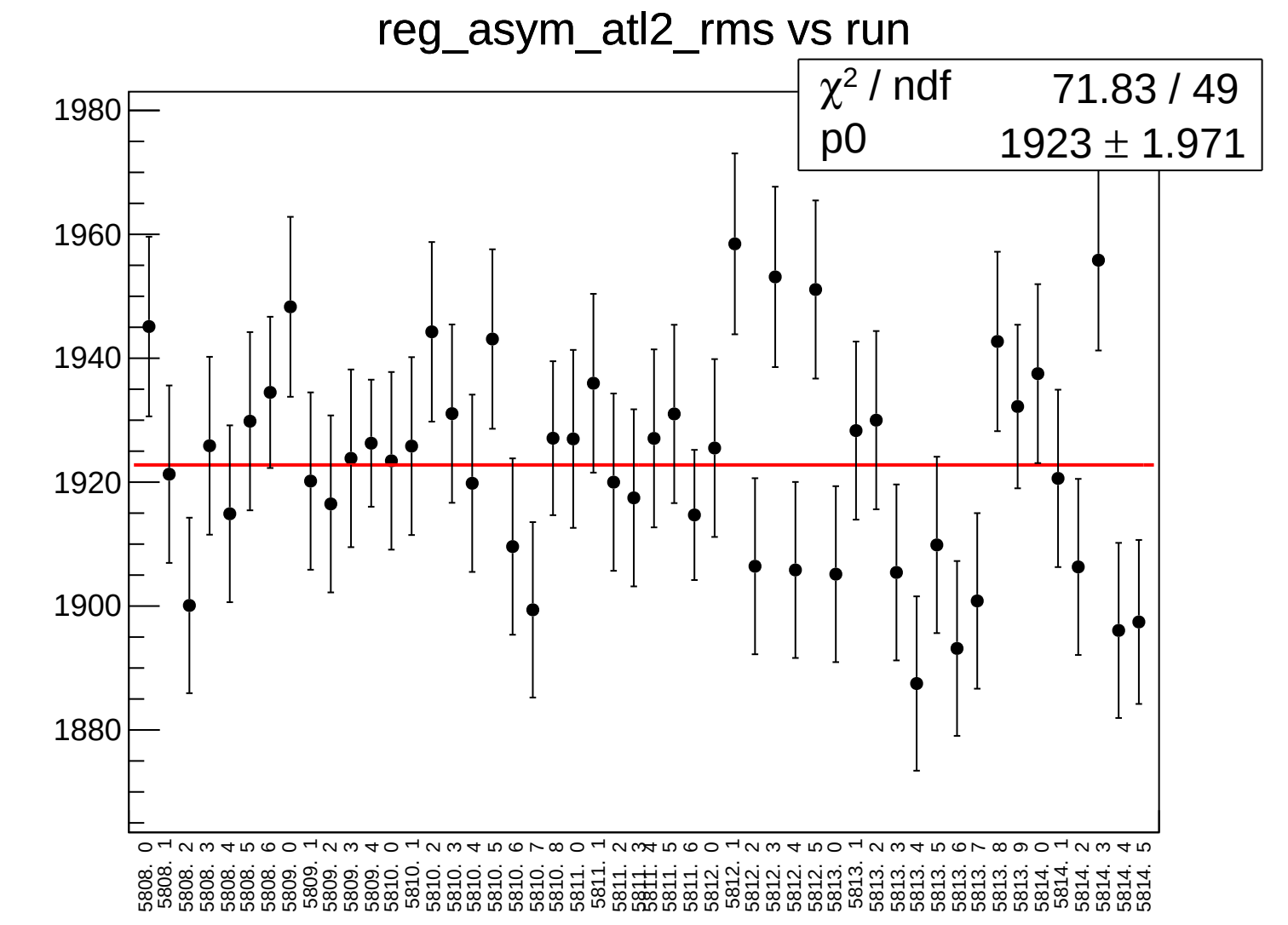

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.19 / 49
p0 −9.028e−14 ± 1.263e−13
pull
Entries 50
Mean 149.8
Std Dev 0


pull1D
Entries 50
Mean 0.02525
Std Dev 1.012


asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.638e+05 / 49
p0 7.408e−11 ± 8.929e−14
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atl2_mean vs run
χ² / ndf 52.39 / 49
p0 −5074 ± 2787
pull
Entries 50
Mean −929.6
Std Dev 0


pull1D
Entries 50
Mean 0.003286
Std Dev 1.024


reg_asym_atl2_rms vs run
χ² / ndf 71.83 / 49
p0 1923 ± 1.971
1980
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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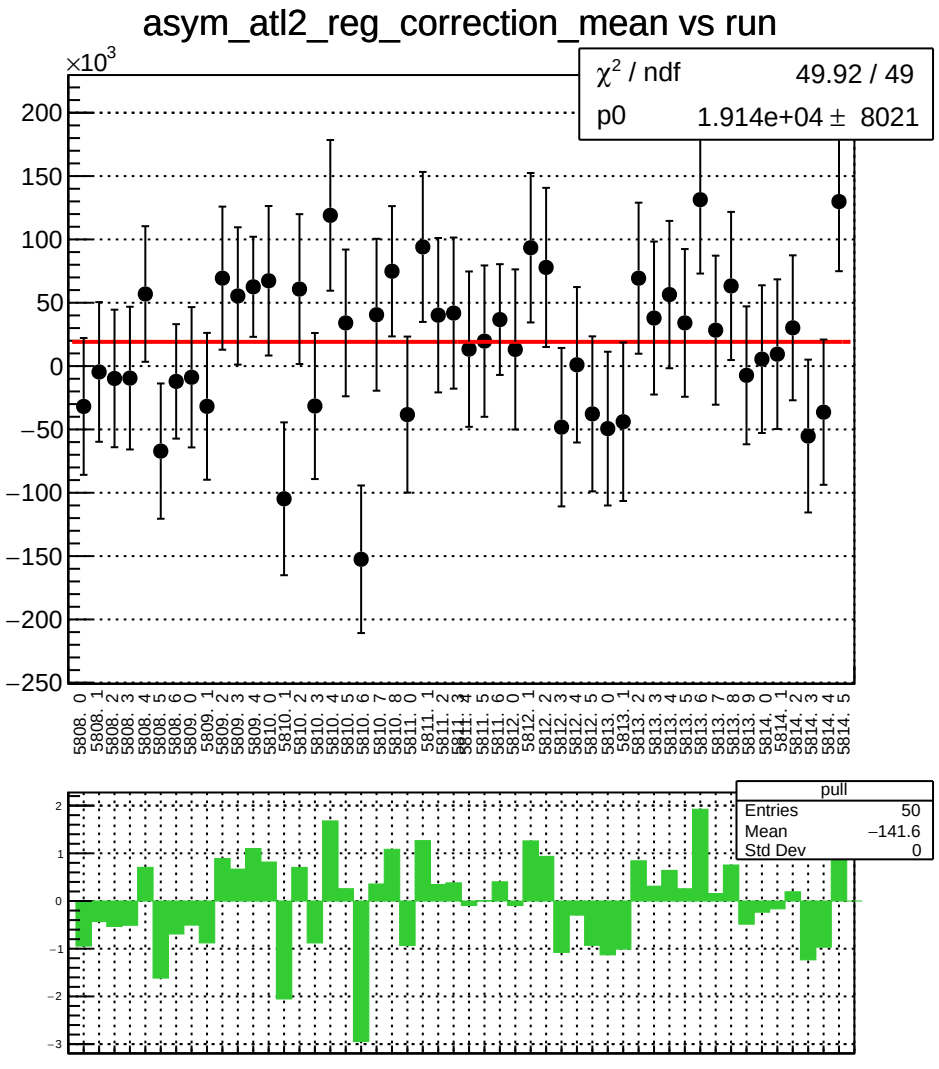
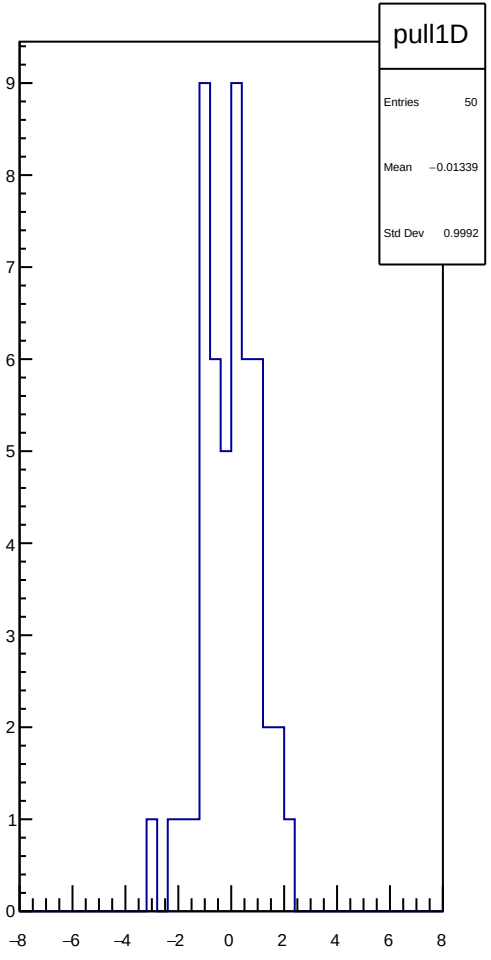
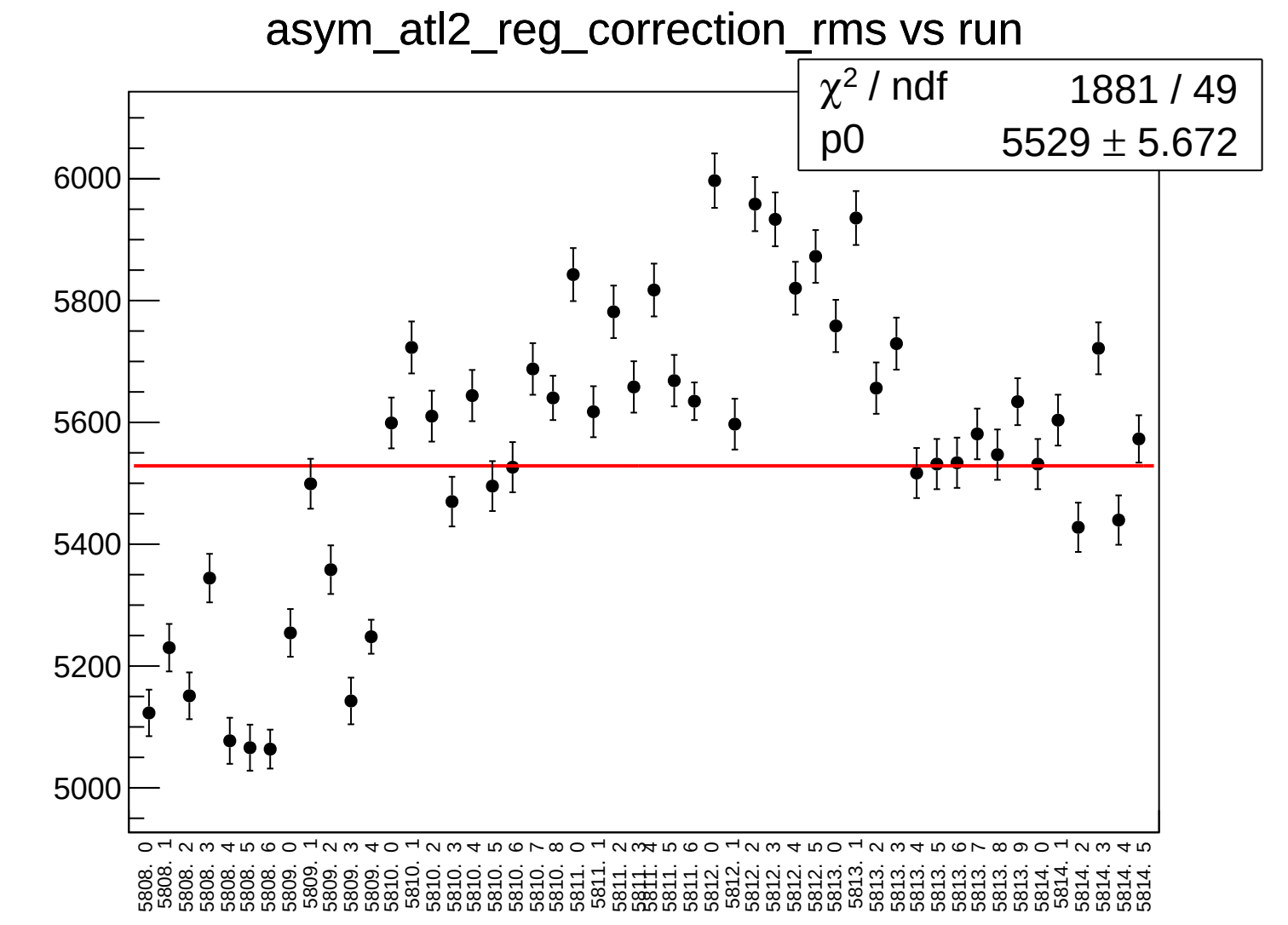
5814. 5


asym_atl2_reg_correction_mean vs run
χ² / ndf 49.92 / 49
p0 1.914e+04 ± 8021
×10³
pull
Entries 50
Mean −141.6
Std Dev 0


pull1D
Entries 50
Mean −0.01339
Std Dev 0.9992


asym_atl2_reg_correction_rms vs run
χ² / ndf 1881 / 49
p0 5529 ± 5.672
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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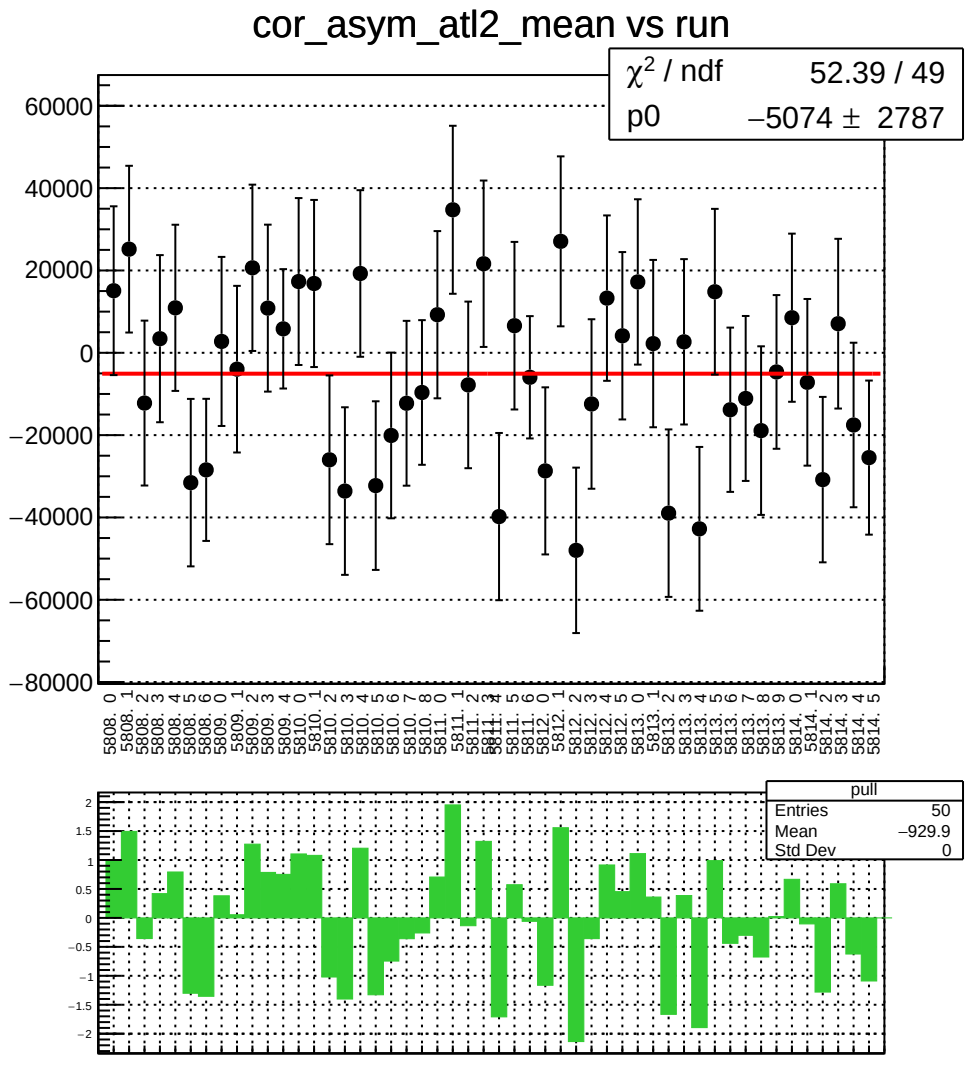
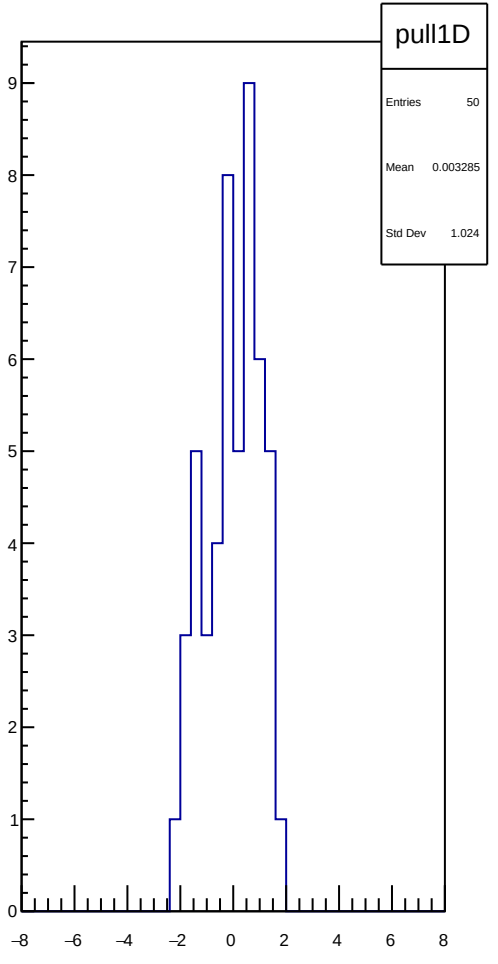
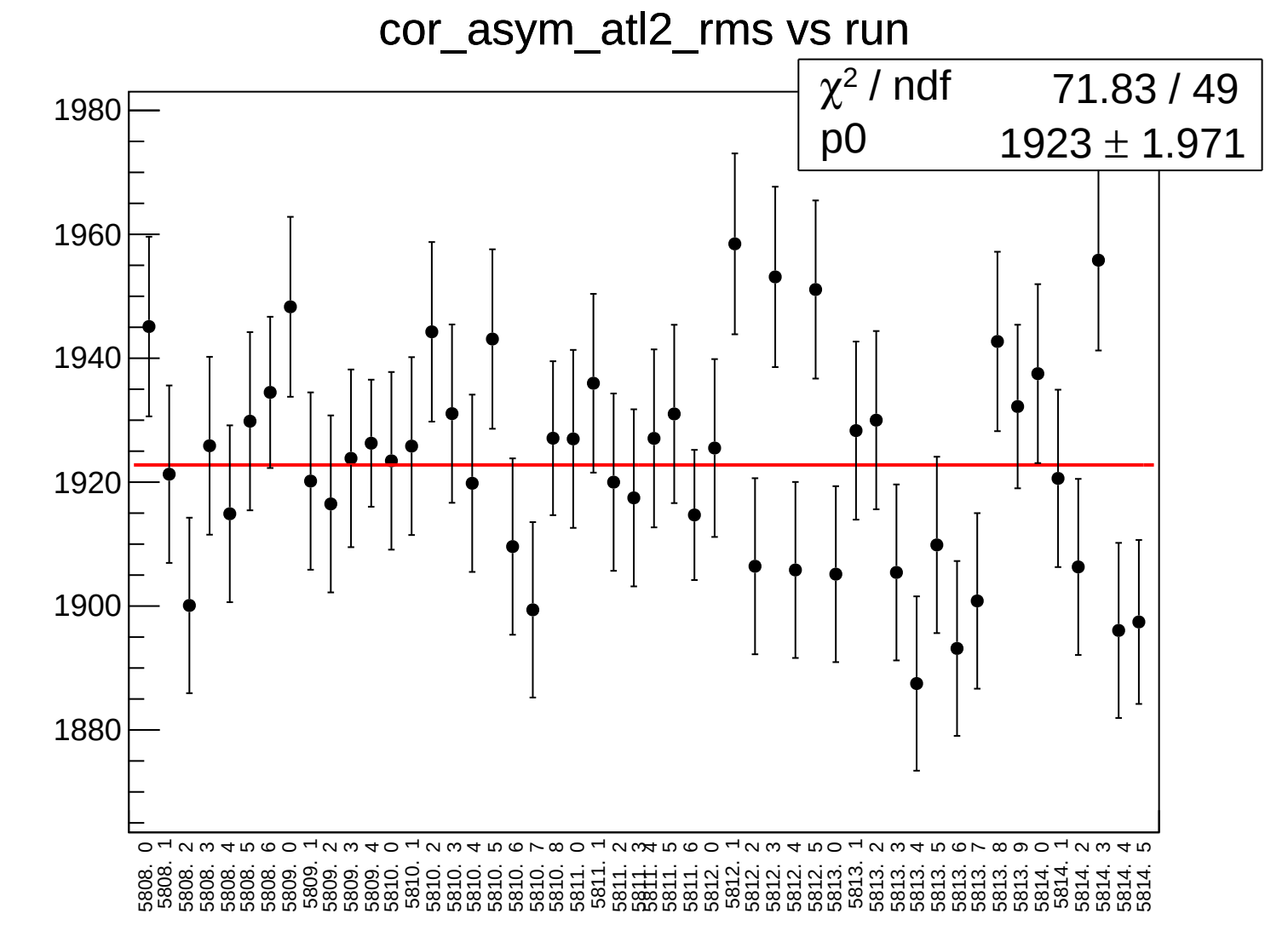
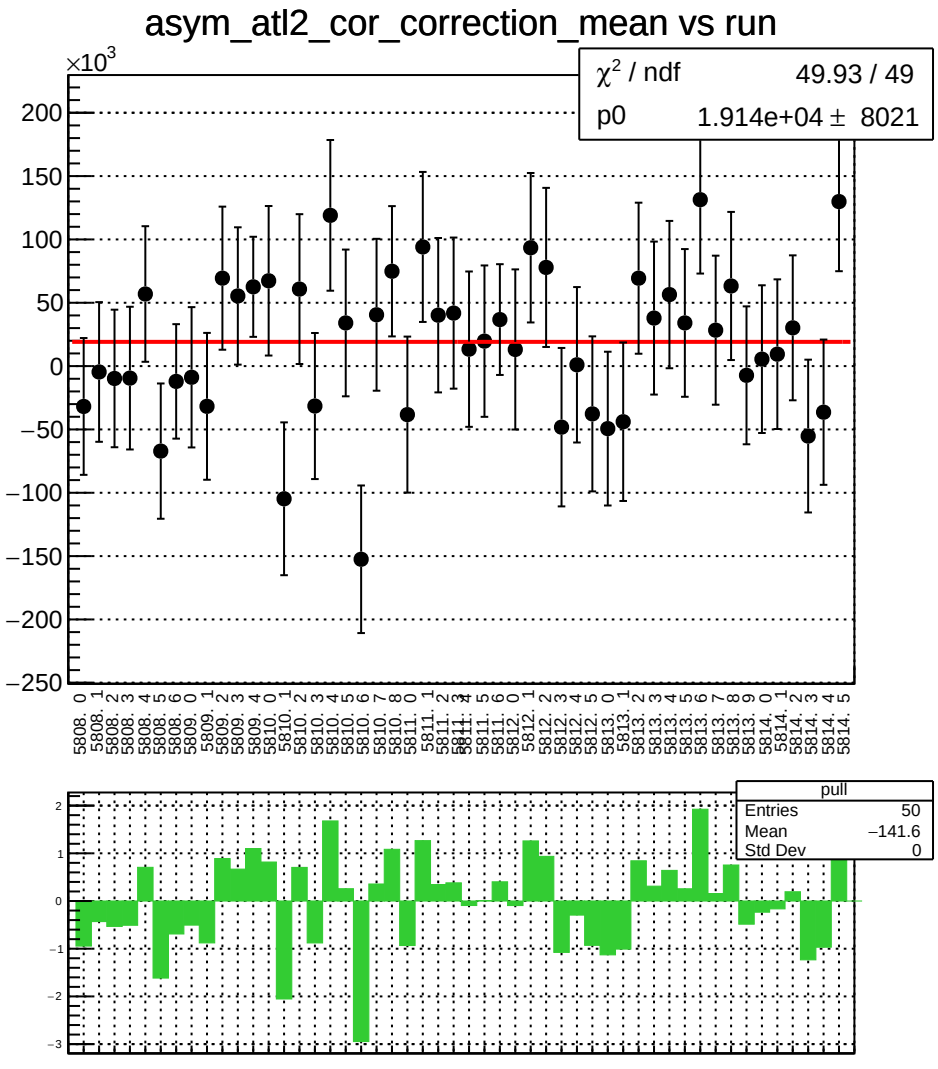
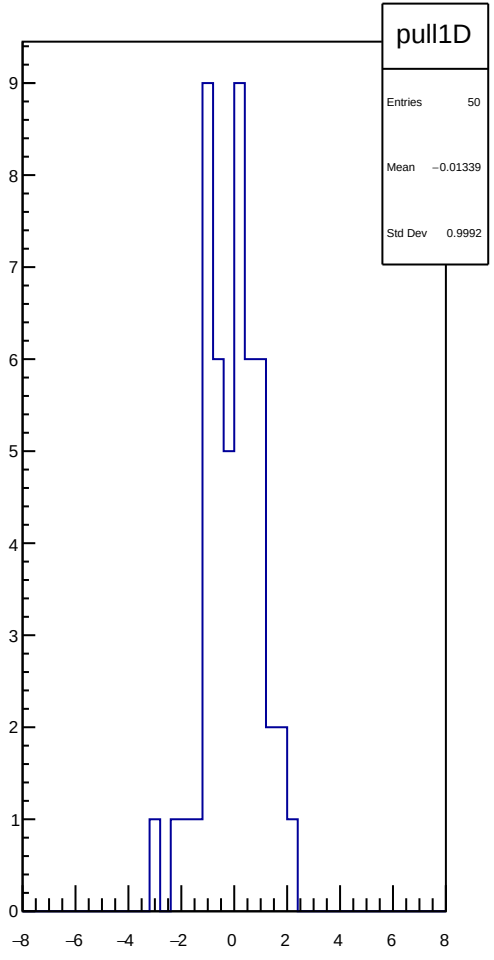
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

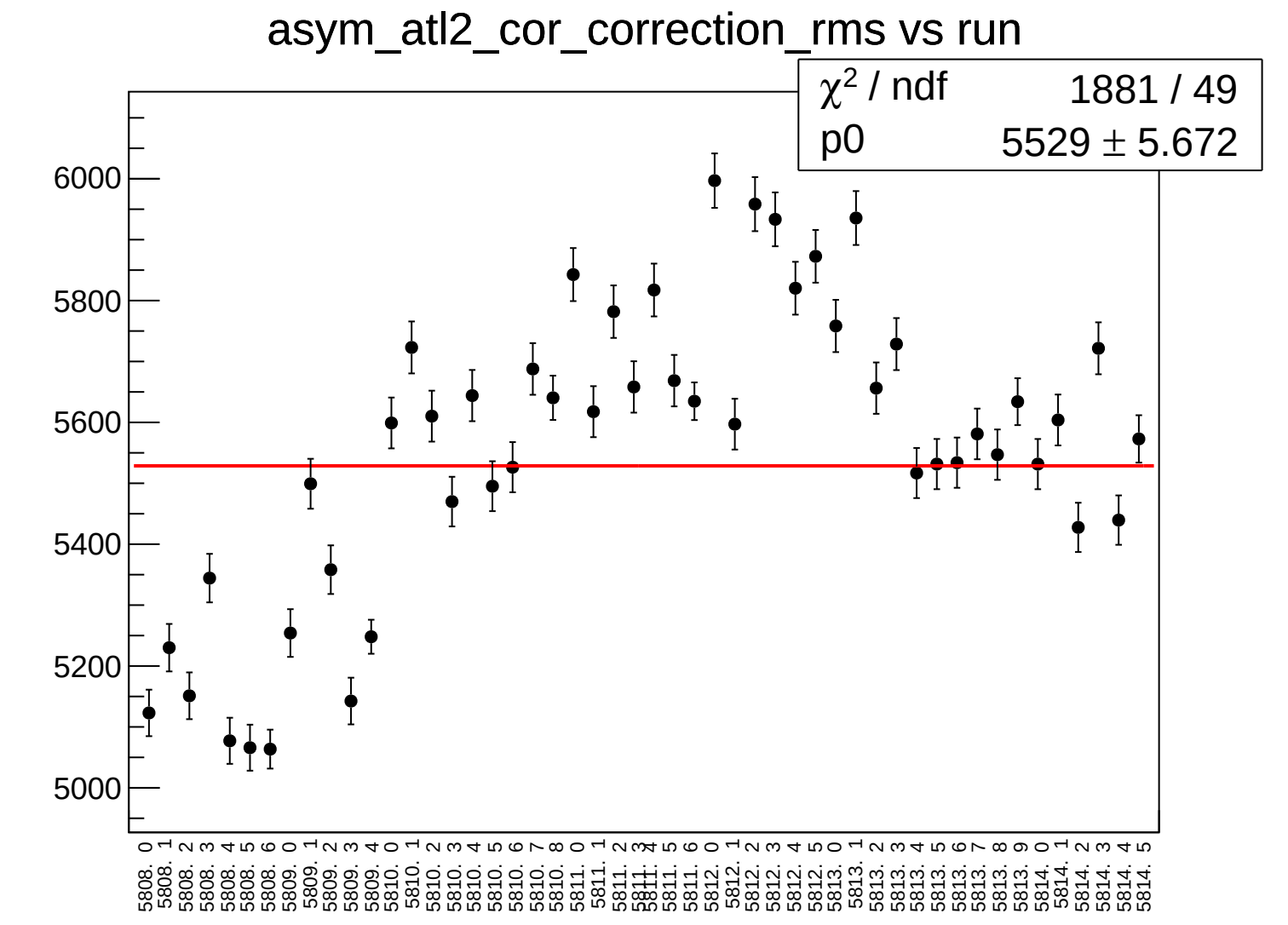

cor_asym_atl2_mean vs run
χ² / ndf 52.39 / 49
p0 −5074 ± 2787
pull
Entries 50
Mean −929.9
Std Dev 0

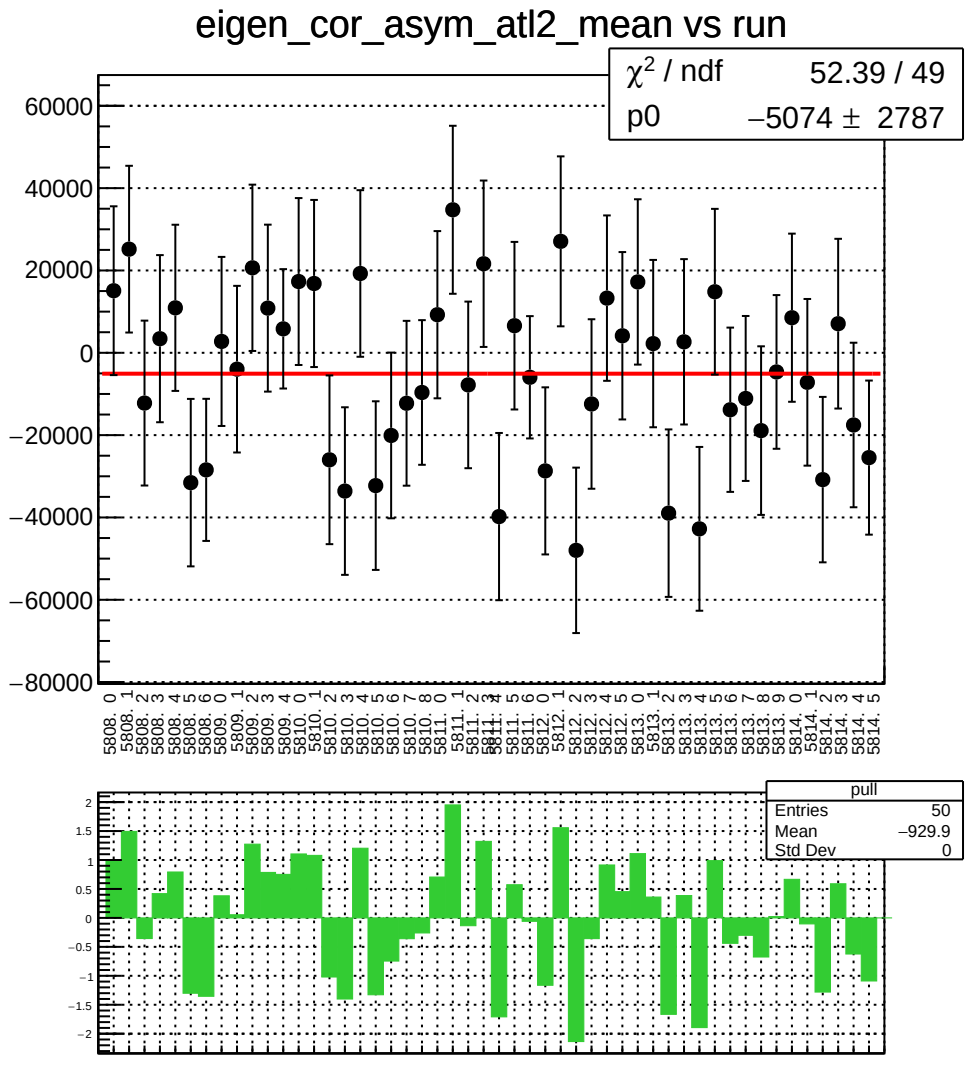

pull1D
Entries 50
Mean 0.003285
Std Dev 1.024

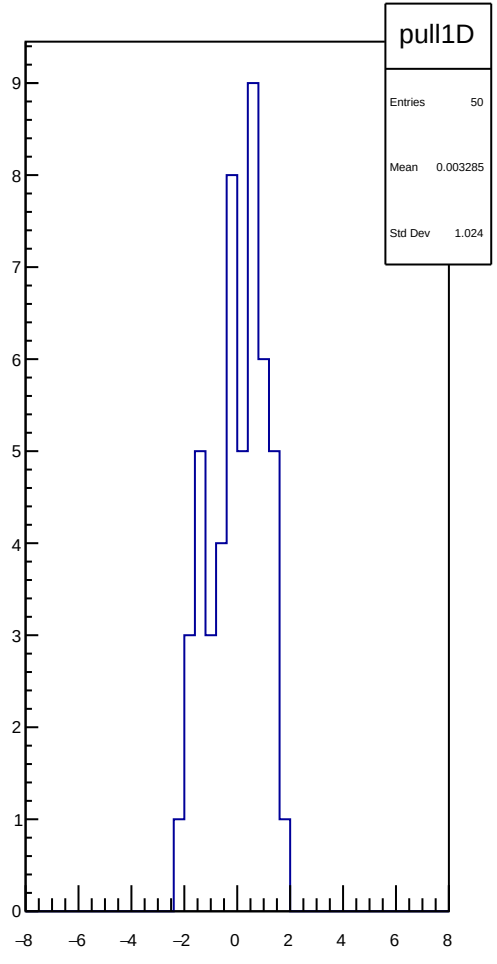

cor_asym_atl2_rms vs run
χ² / ndf 71.83 / 49
p0 1923 ± 1.971
1980
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

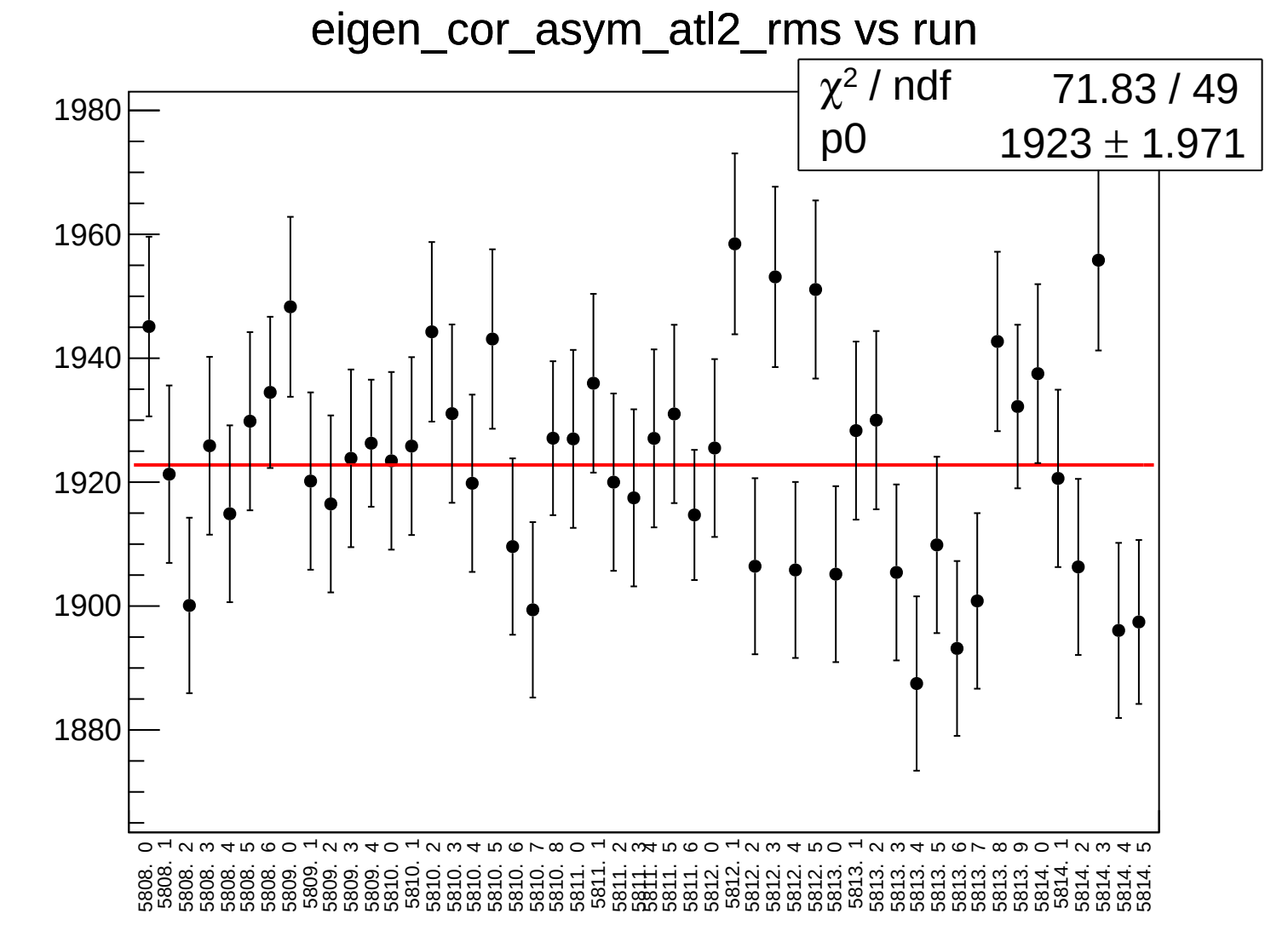

asym_atl2_cor_correction_mean vs run
χ² / ndf 49.93 / 49
p0 1.914e+04 ± 8021
×10³
pull
Entries 50
Mean −141.6
Std Dev 0

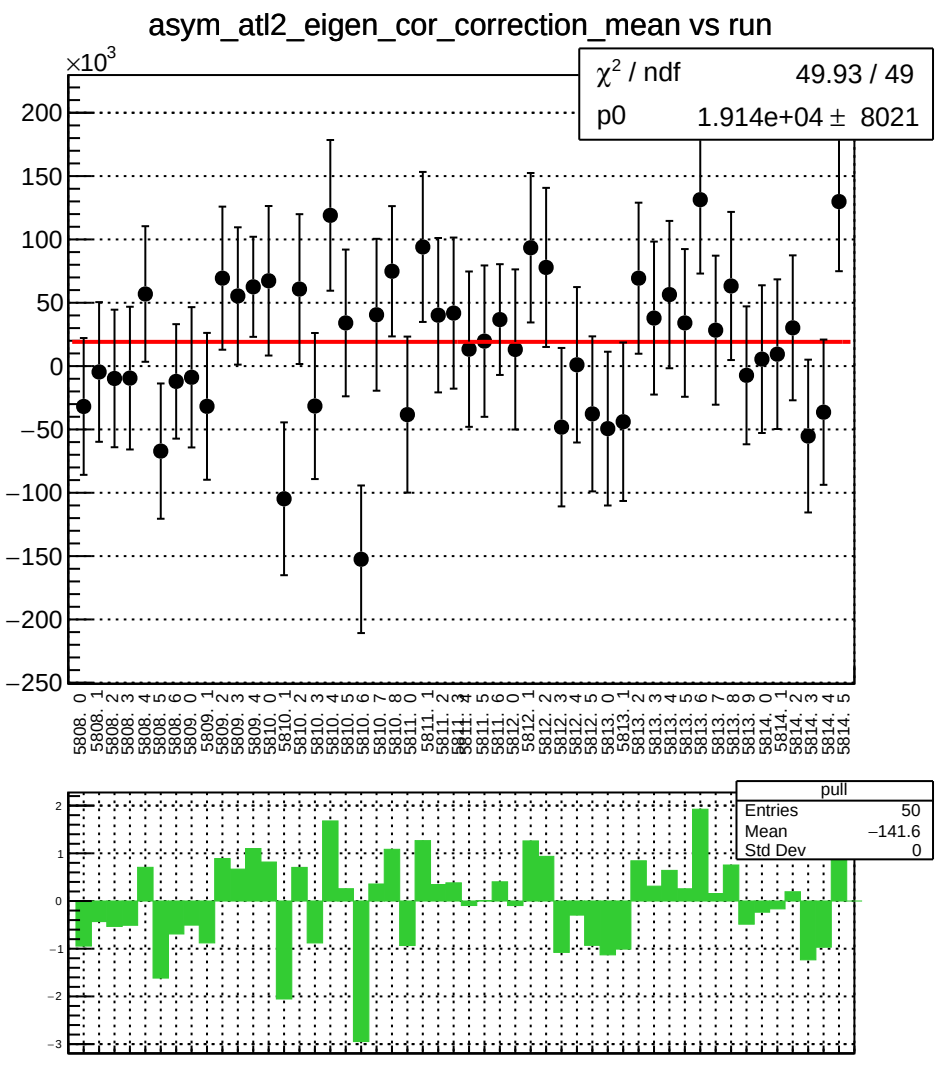

pull1D
Entries 50
Mean −0.01339
Std Dev 0.9992

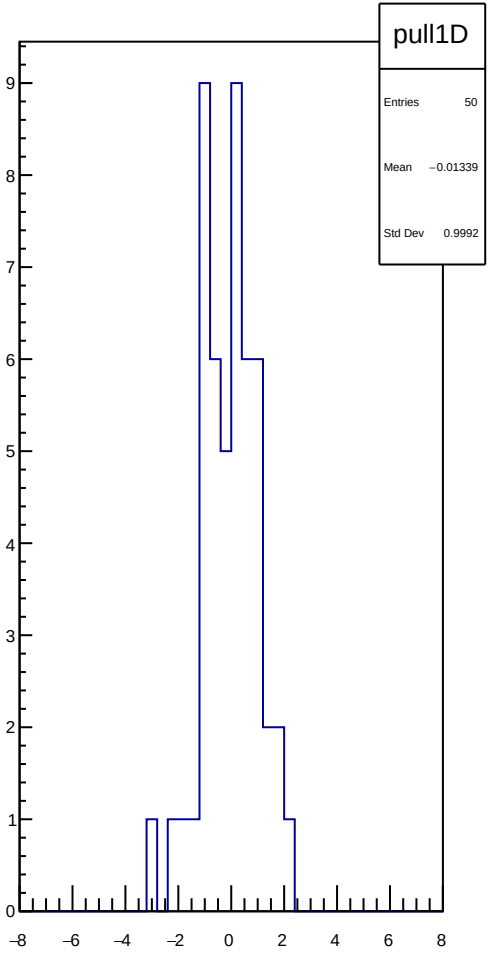

asym_atl2_cor_correction_rms vs run
χ² / ndf 1881 / 49
p0 5529 ± 5.672
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

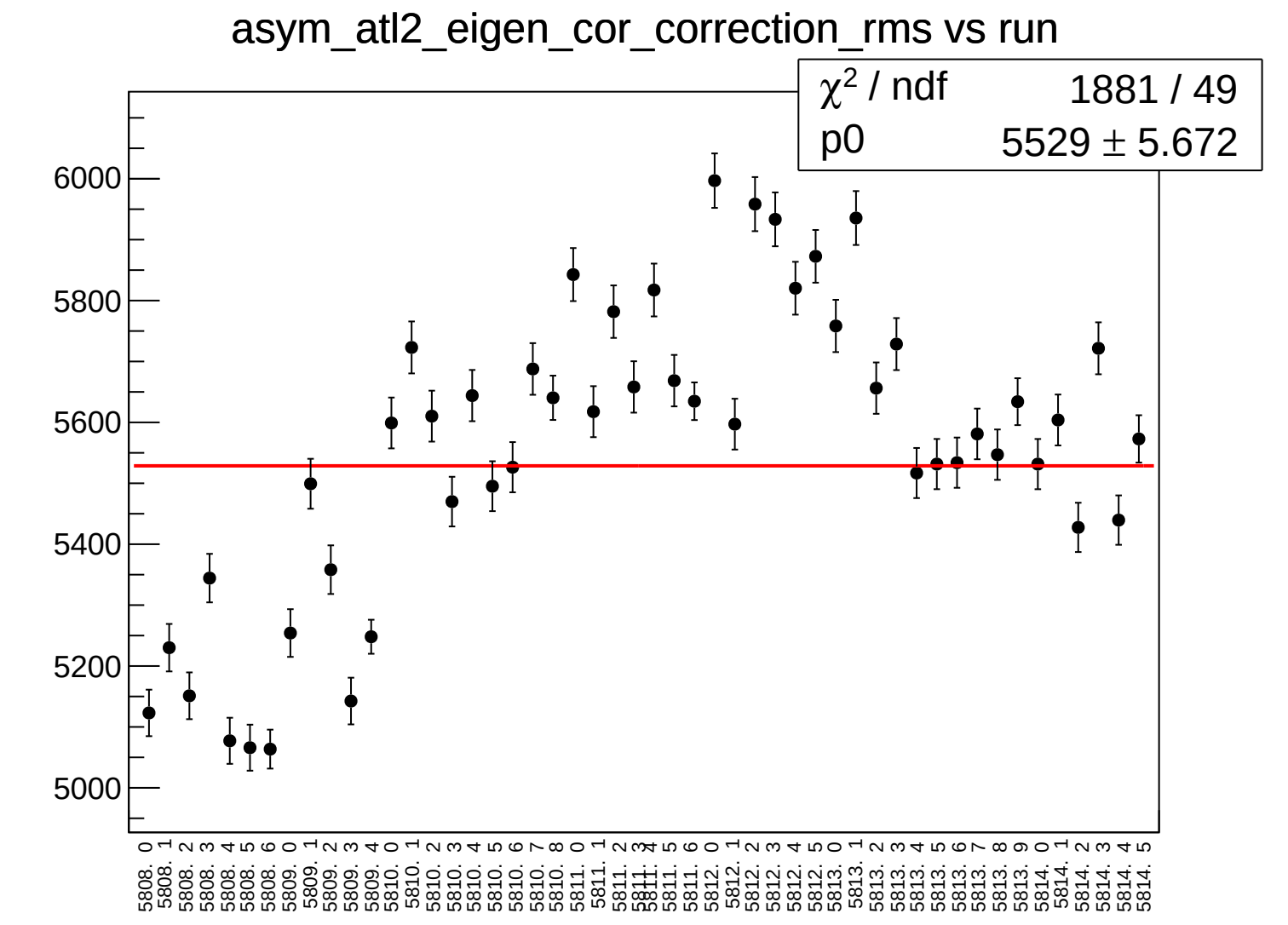

eigen_cor_asym_atl2_mean vs run
χ² / ndf 52.39 / 49
p0 −5074 ± 2787
pull
Entries 50
Mean −929.9
Std Dev 0

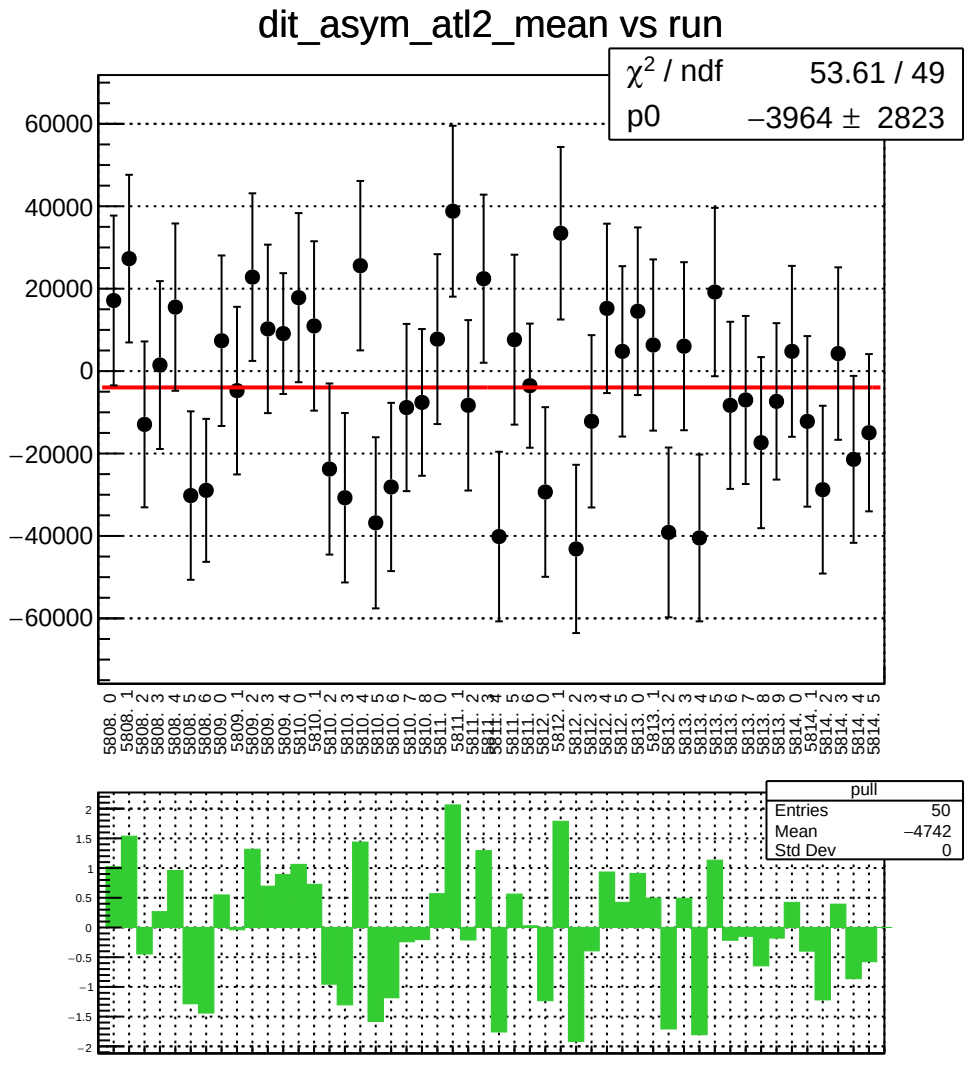

pull1D
Entries 50
Mean 0.003285
Std Dev 1.024

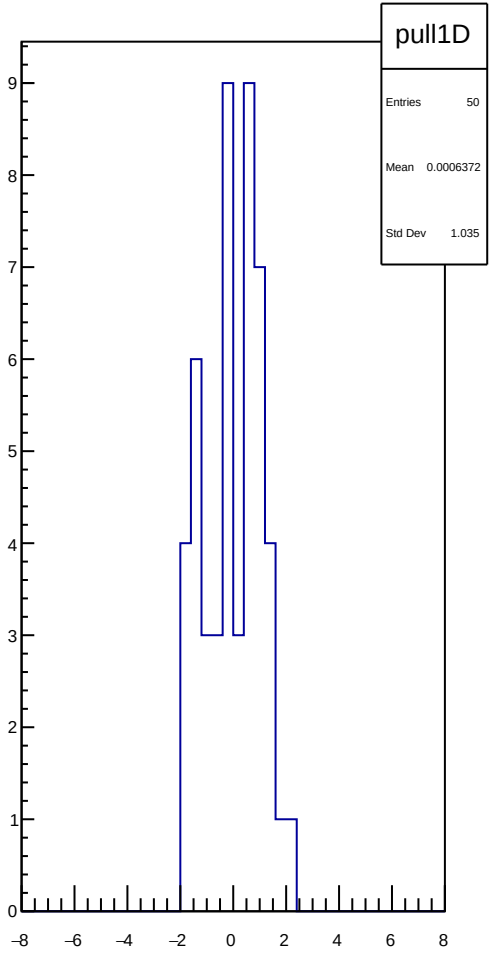

eigen_cor_asym_atl2_rms vs run
χ² / ndf 71.83 / 49
p0 1923 ± 1.971
1980
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

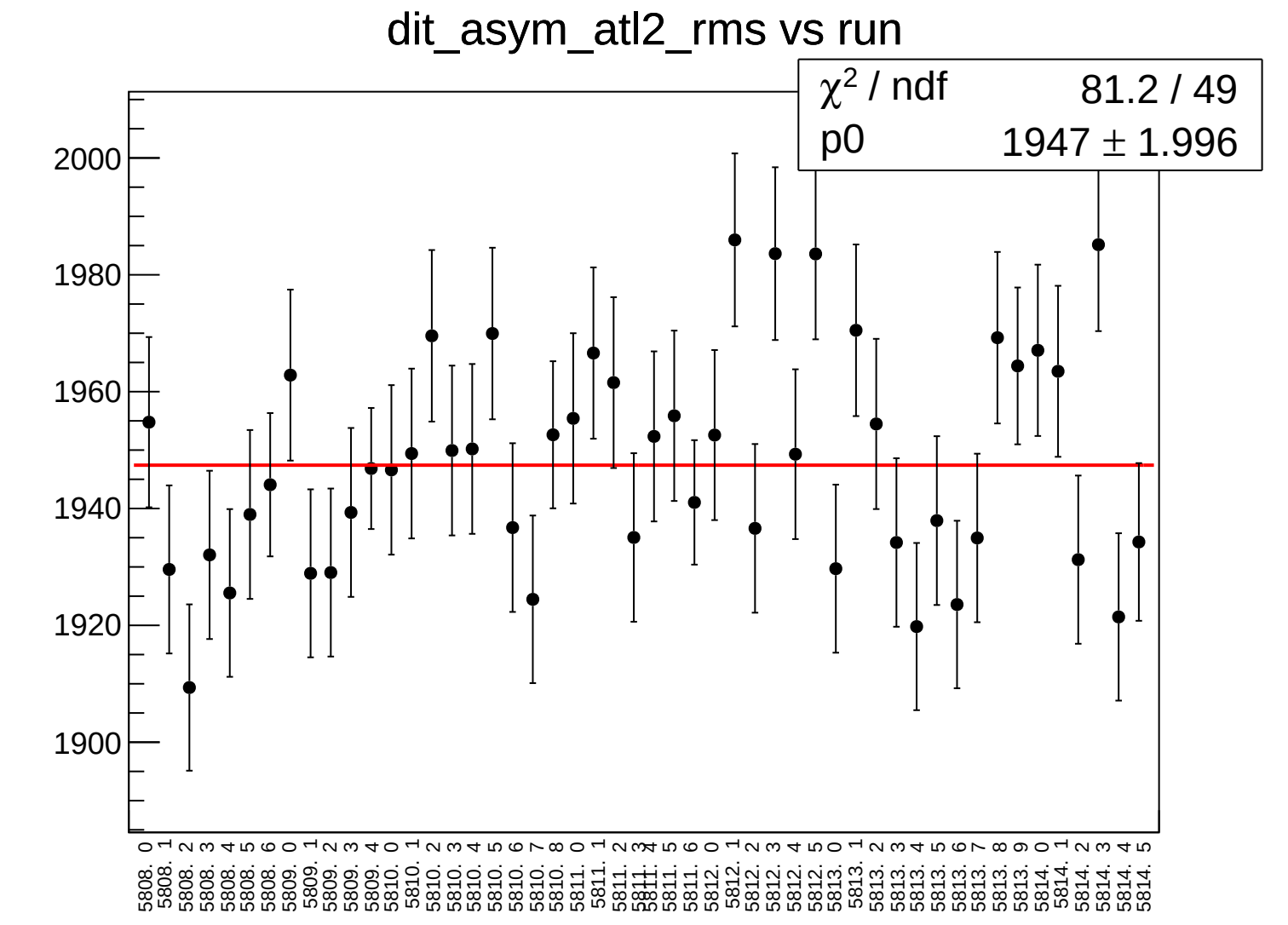

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.93 / 49
p0 1.914e+04 ± 8021
pull
Entries 50
Mean −141.6
Std Dev 0

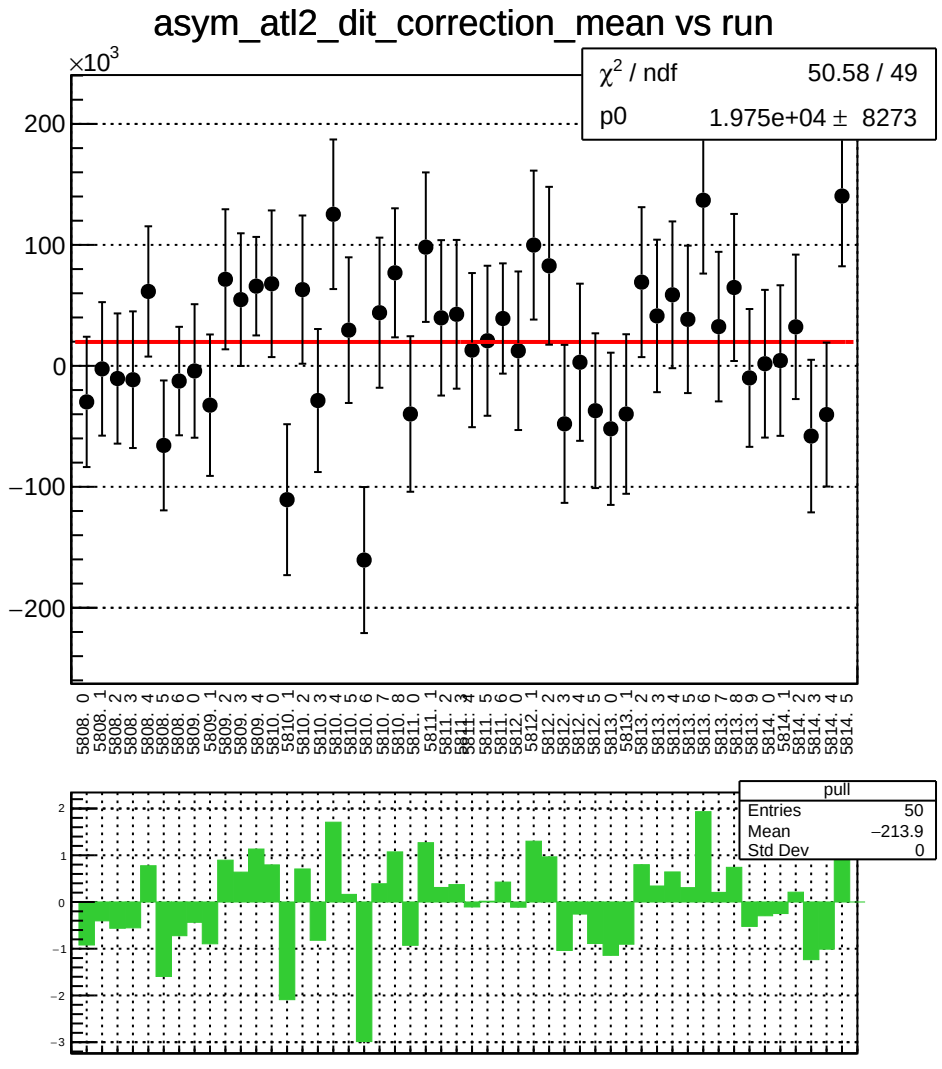

pull1D
Entries 50
Mean −0.01339
Std Dev 0.9992

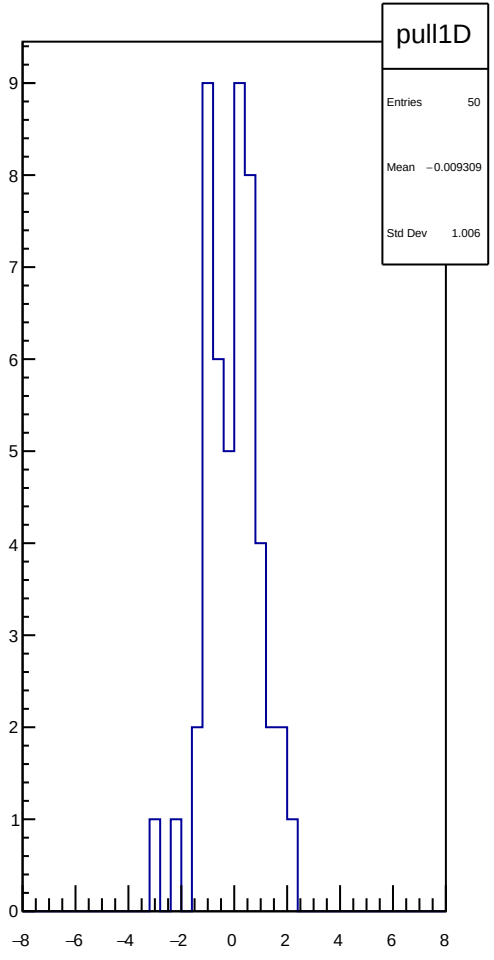

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 1881 / 49
p0 5529 ± 5.672
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

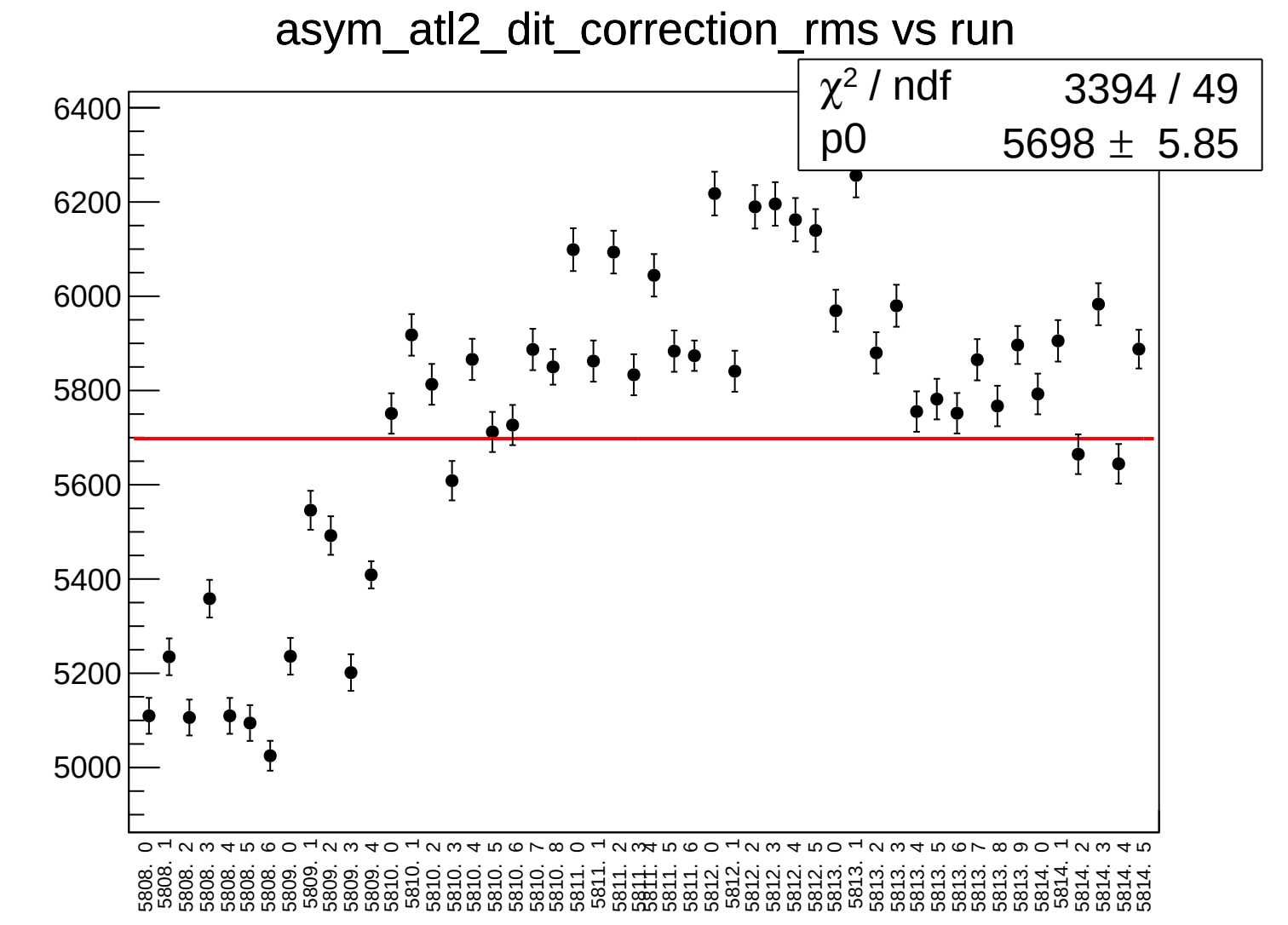

dit_asym_atl2_mean vs run
χ² / ndf 53.61 / 49
p0 −3964 ± 2823
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −4742
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

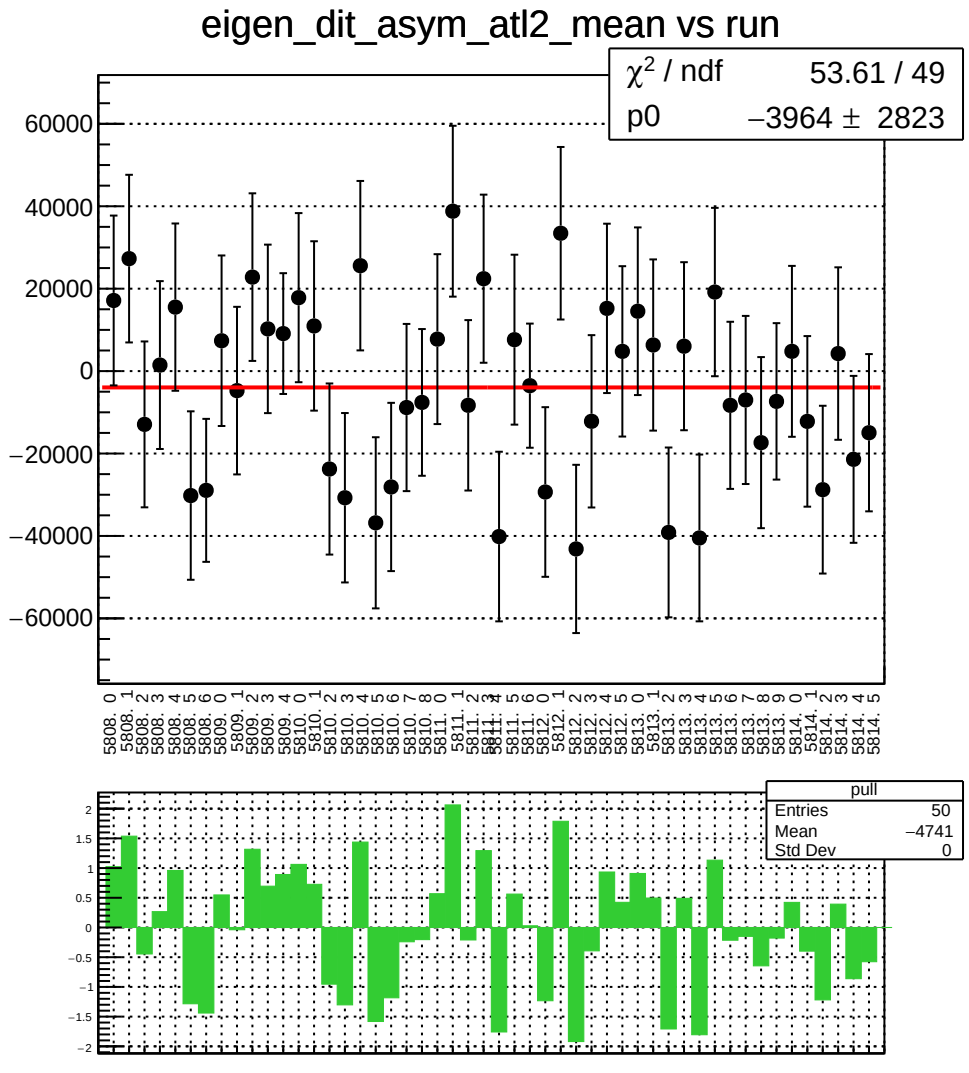

pull1D
Entries 50
Mean 0.0006372
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

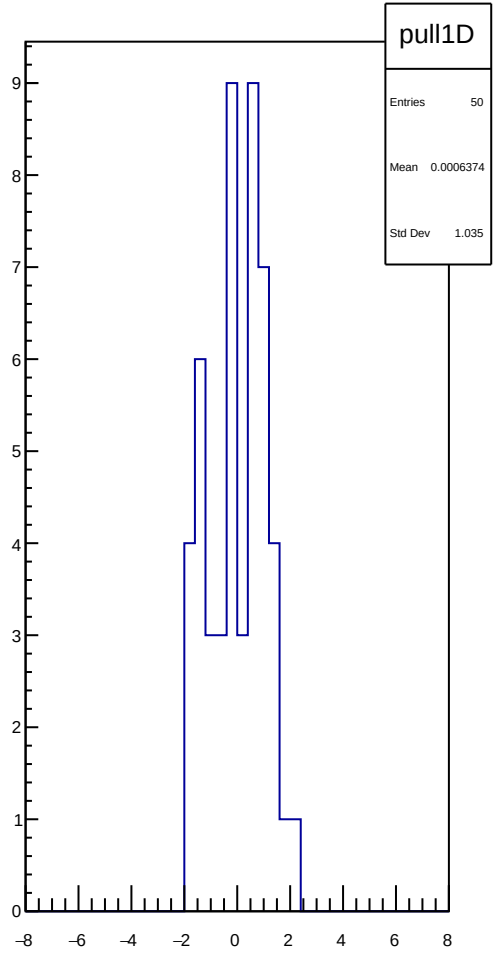

dit_asym_atl2_rms vs run
χ² / ndf 81.2 / 49
p0 1947 ± 1.996
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

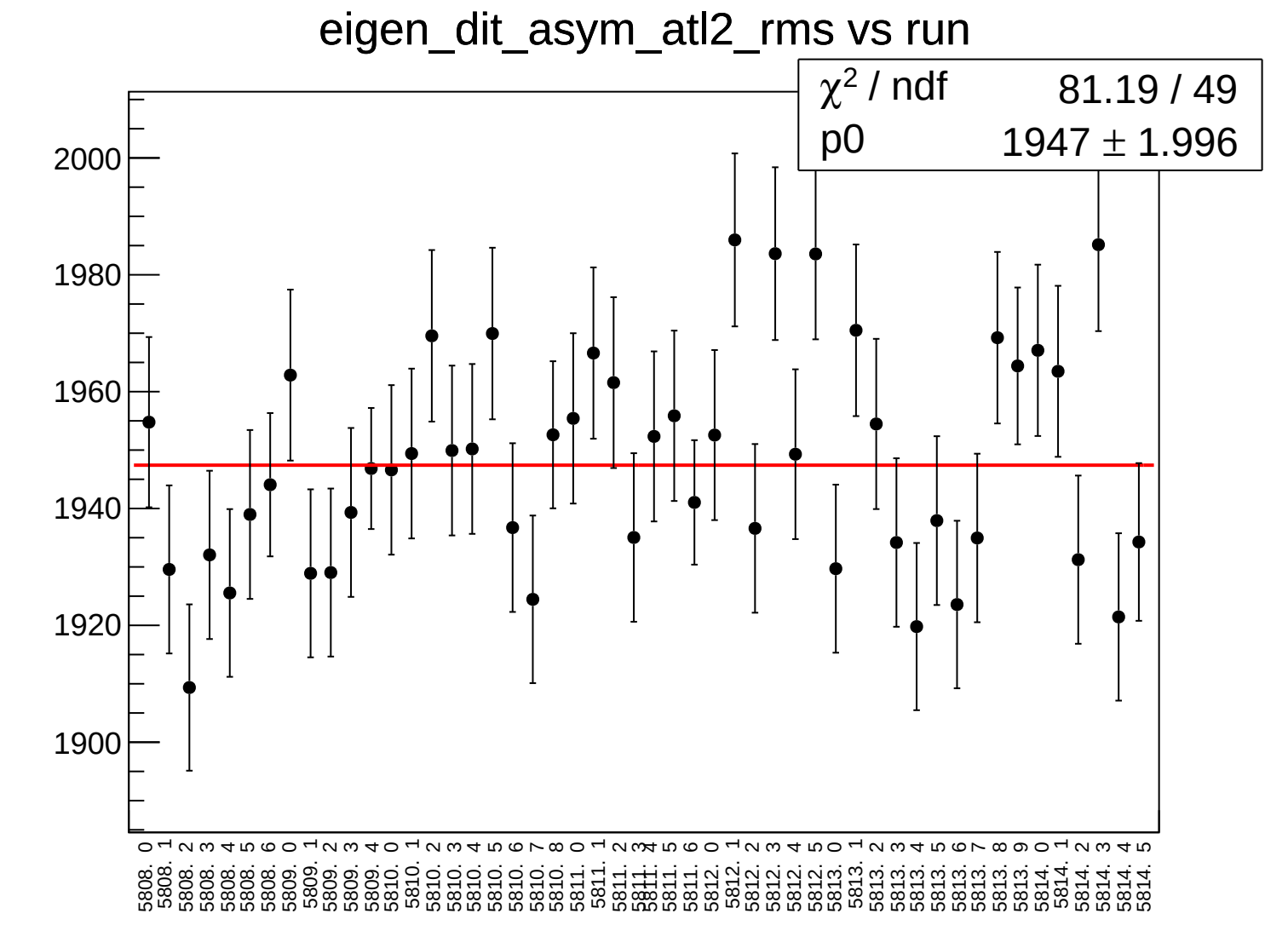

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 50.58 / 49
p0 1.975e+04 ± 8273
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −213.9
Std Dev 0
2
1
0
−1
−2
−3

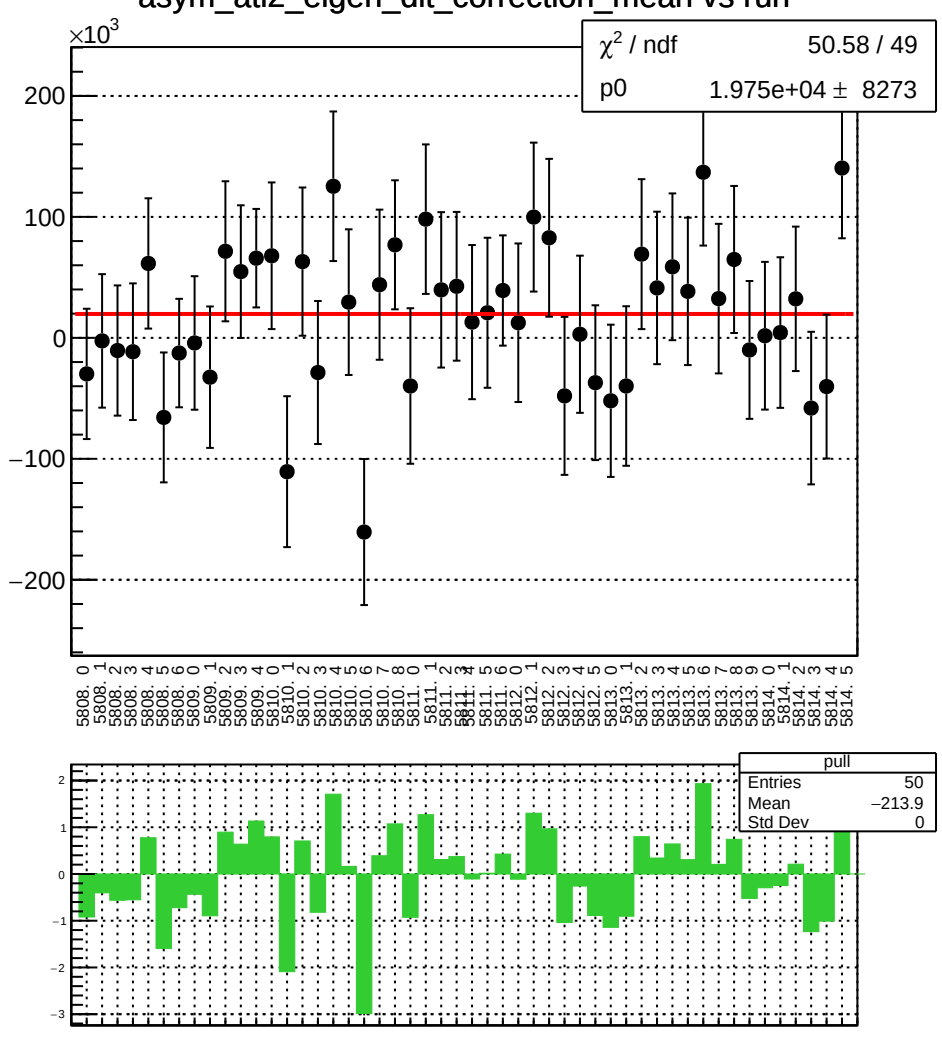

pull1D
Entries 50
Mean −0.009309
Std Dev 1.006
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

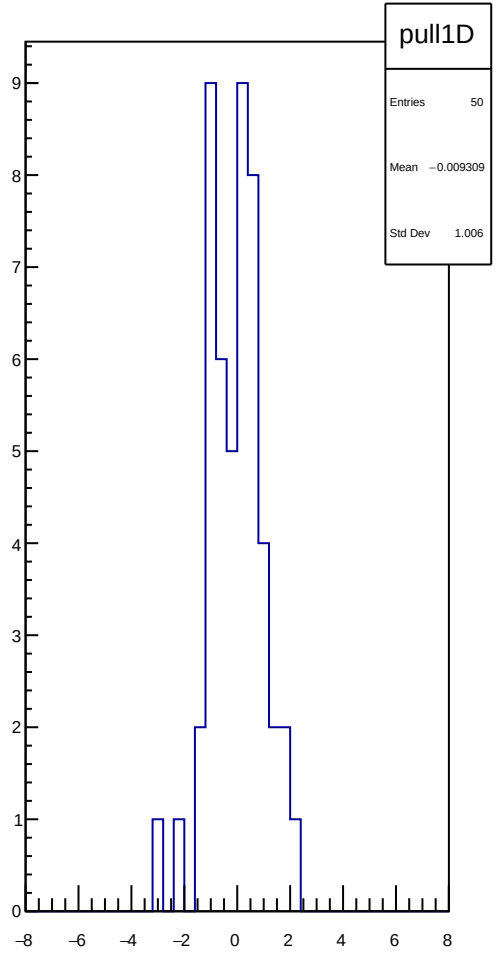

asym_atl2_dit_correction_rms vs run
χ² / ndf 3394 / 49
p0 5698 ± 5.85
6400
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

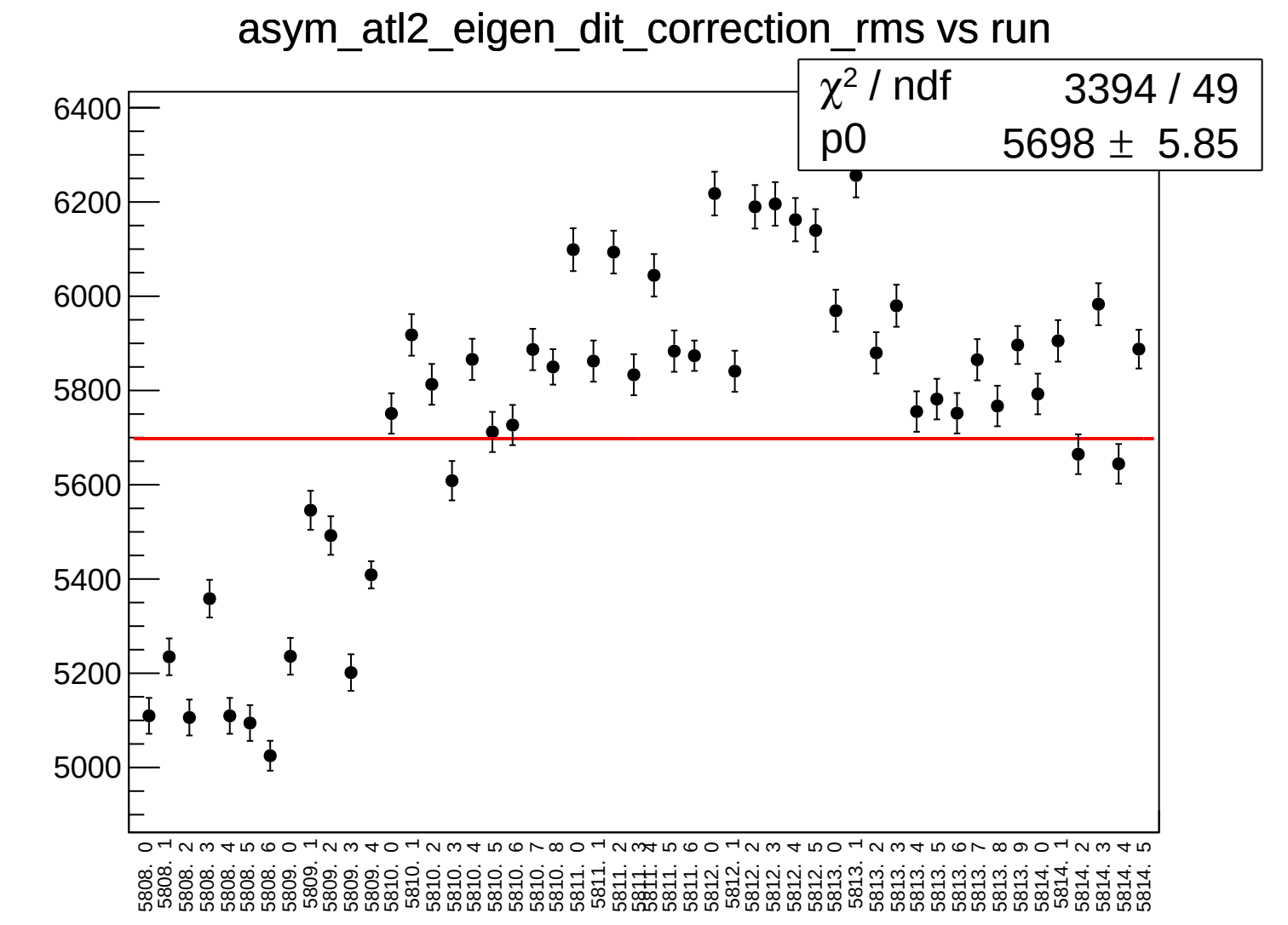

eigen_dit_asym_atl2_mean vs run
χ² / ndf 53.61 / 49
p0 −3964 ± 2823
pull
Entries 50
Mean −4741
Std Dev 0

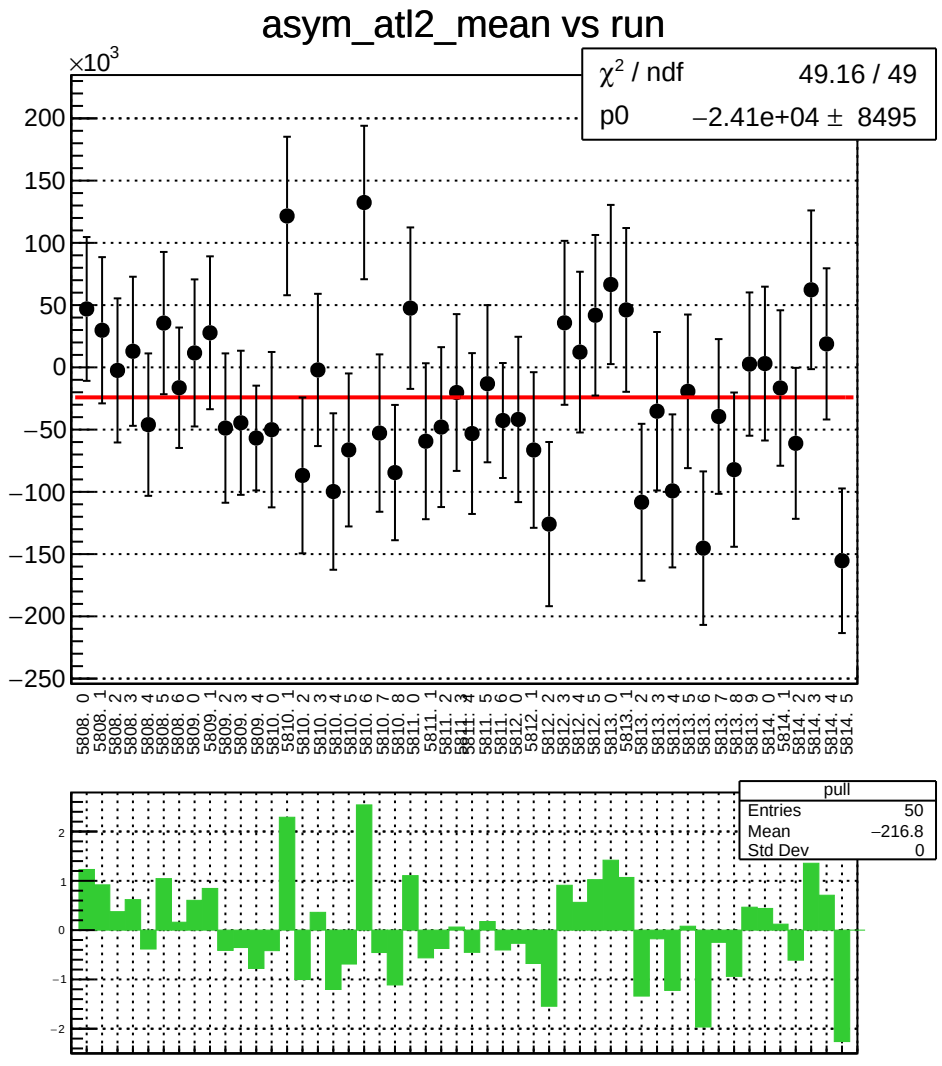

pull1D
Entries 50
Mean 0.0006374
Std Dev 1.035

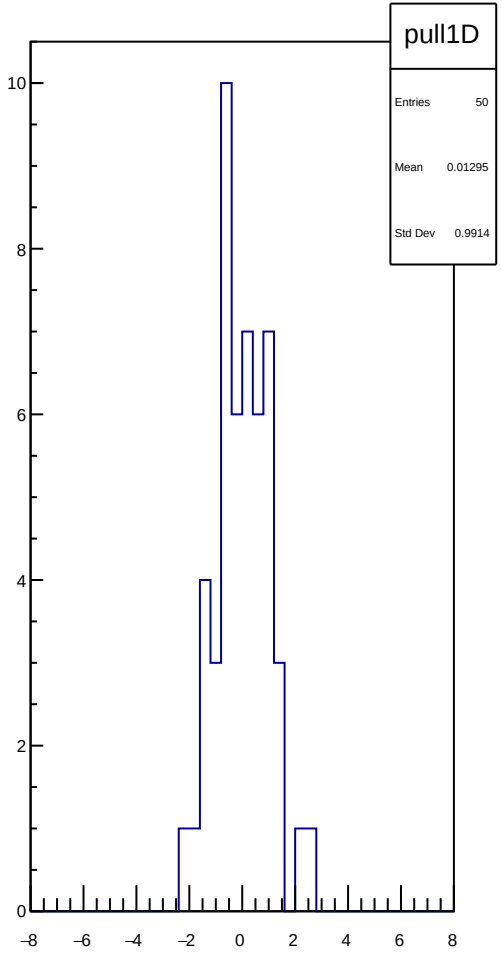

eigen_dit_asym_atl2_rms vs run
χ² / ndf 81.19 / 49
p0 1947 ± 1.996
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

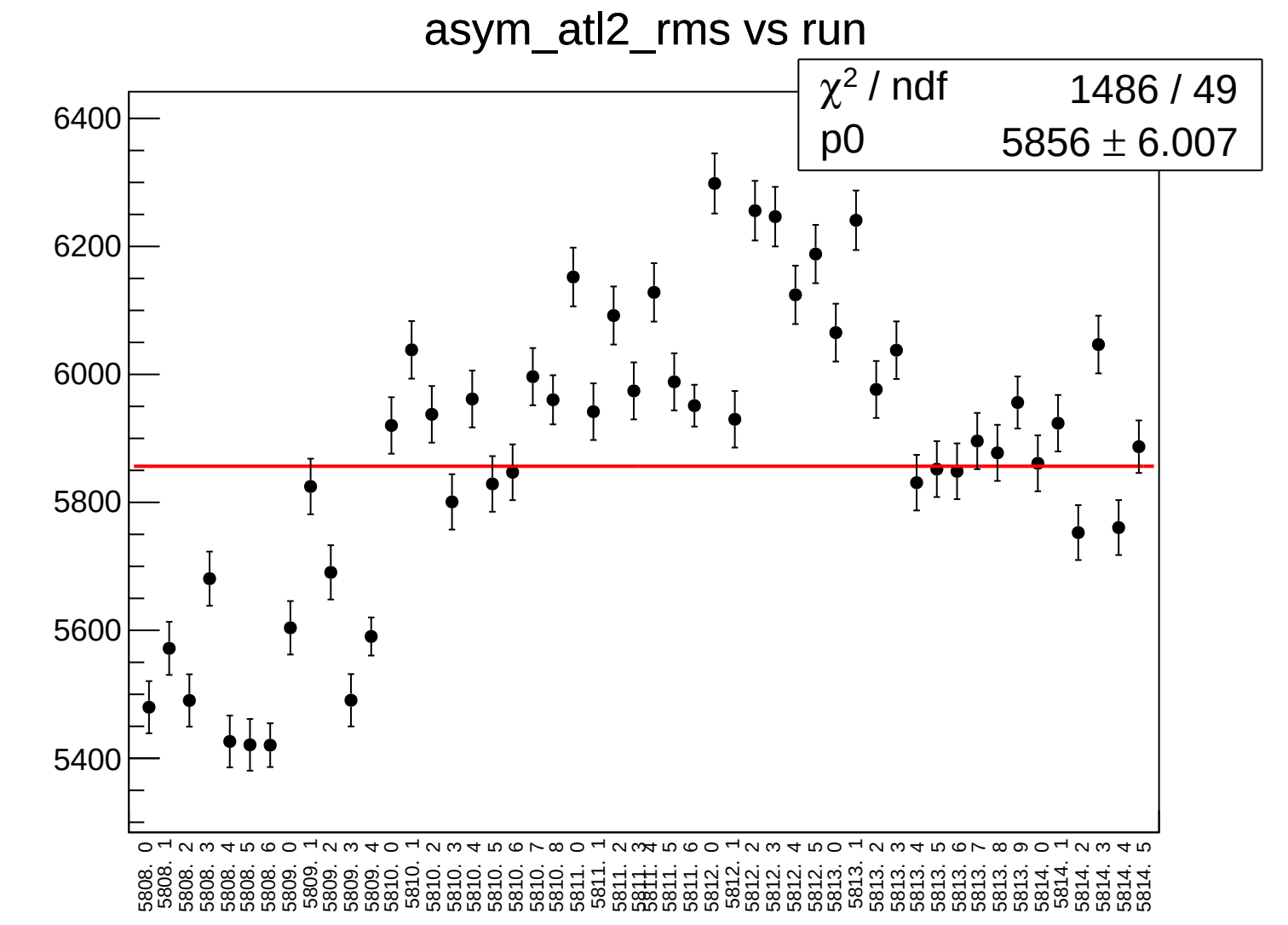

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.58 / 49
p0 1.975e+04 ± 8273
200
100
0
−100
−200
pull
Entries 50
Mean −213.9
Std Dev 0

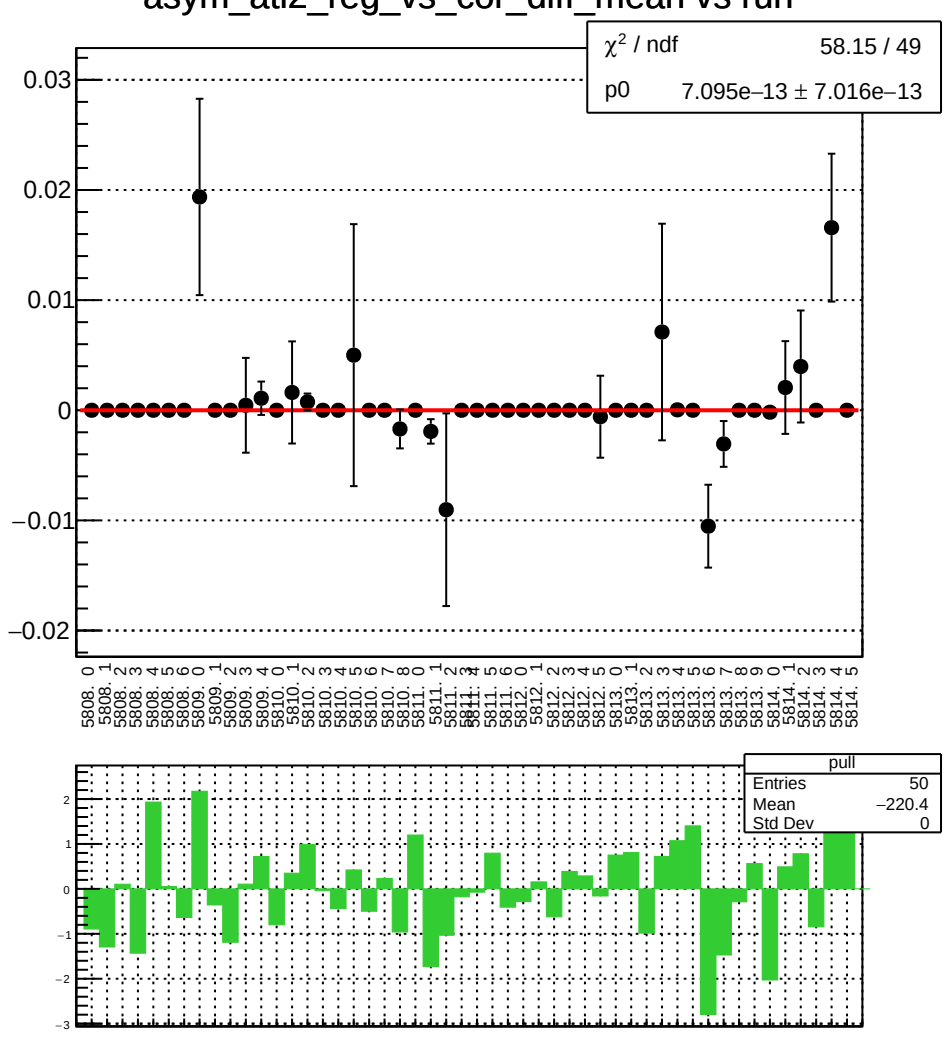

pull1D
Entries 50
Mean −0.009309
Std Dev 1.006

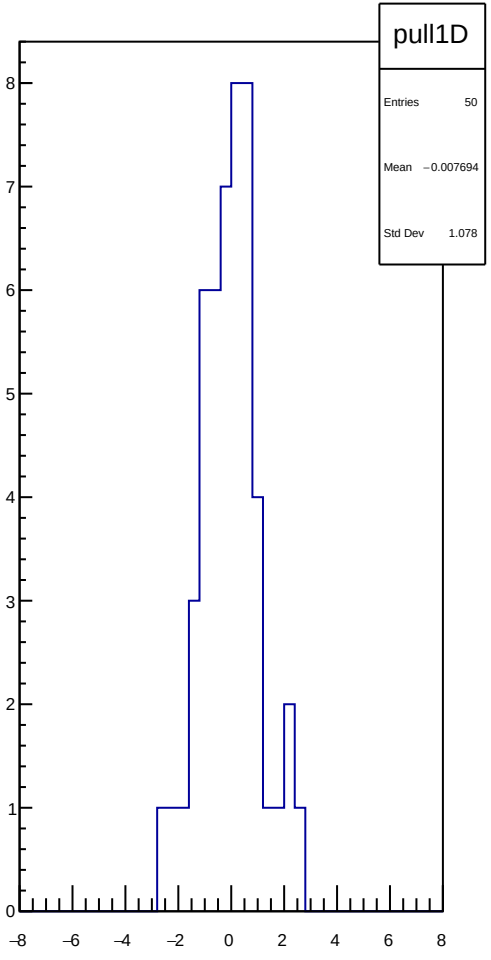

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 3394 / 49
p0 5698 ± 5.85
6400
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

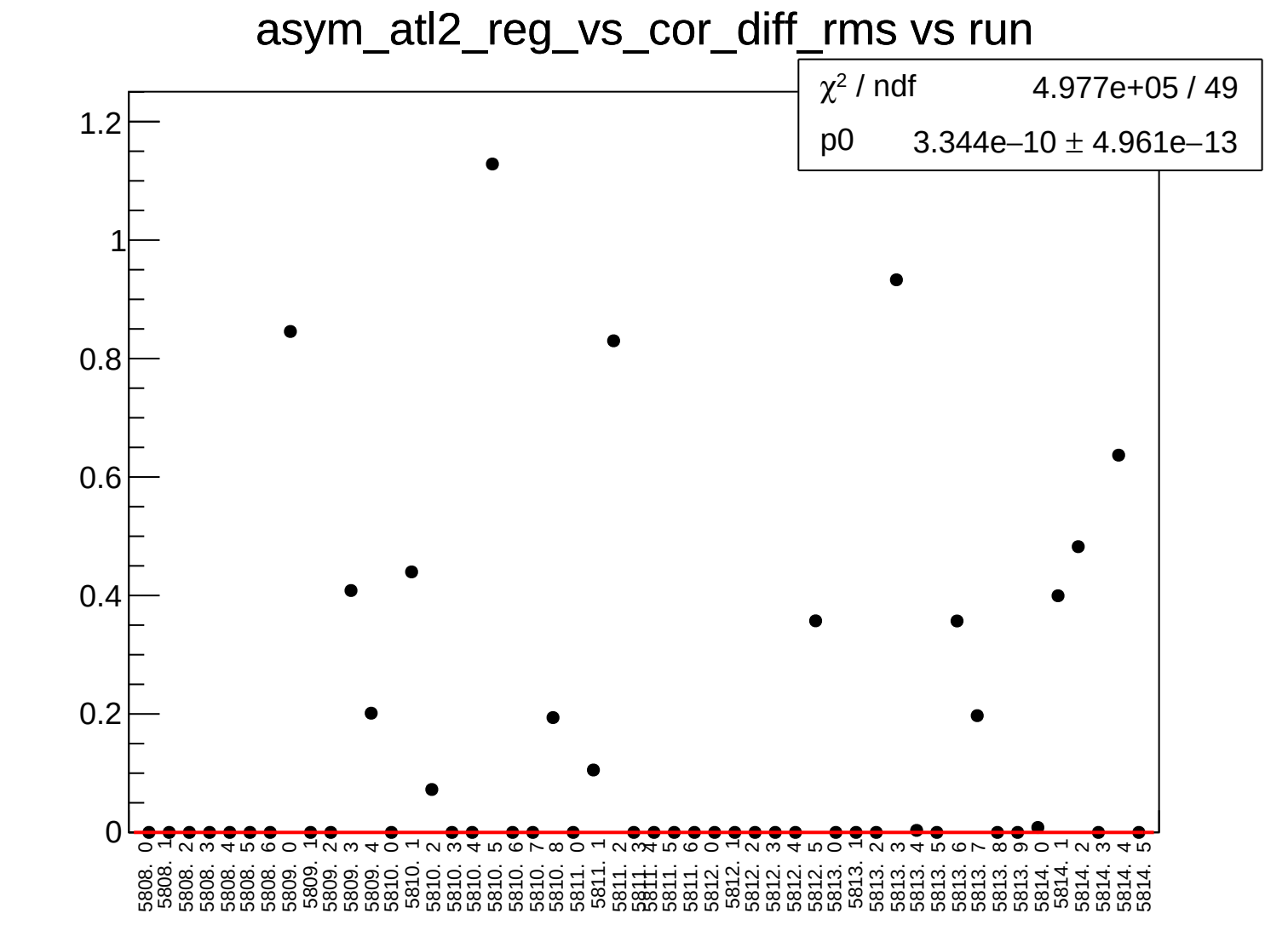

asym_atl2_mean vs run
×10^3
χ² / ndf 49.16 / 49
p0 −2.41e+04 ± 8495
200
150
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −216.8
Std Dev 0
2
1
0
−1
−2

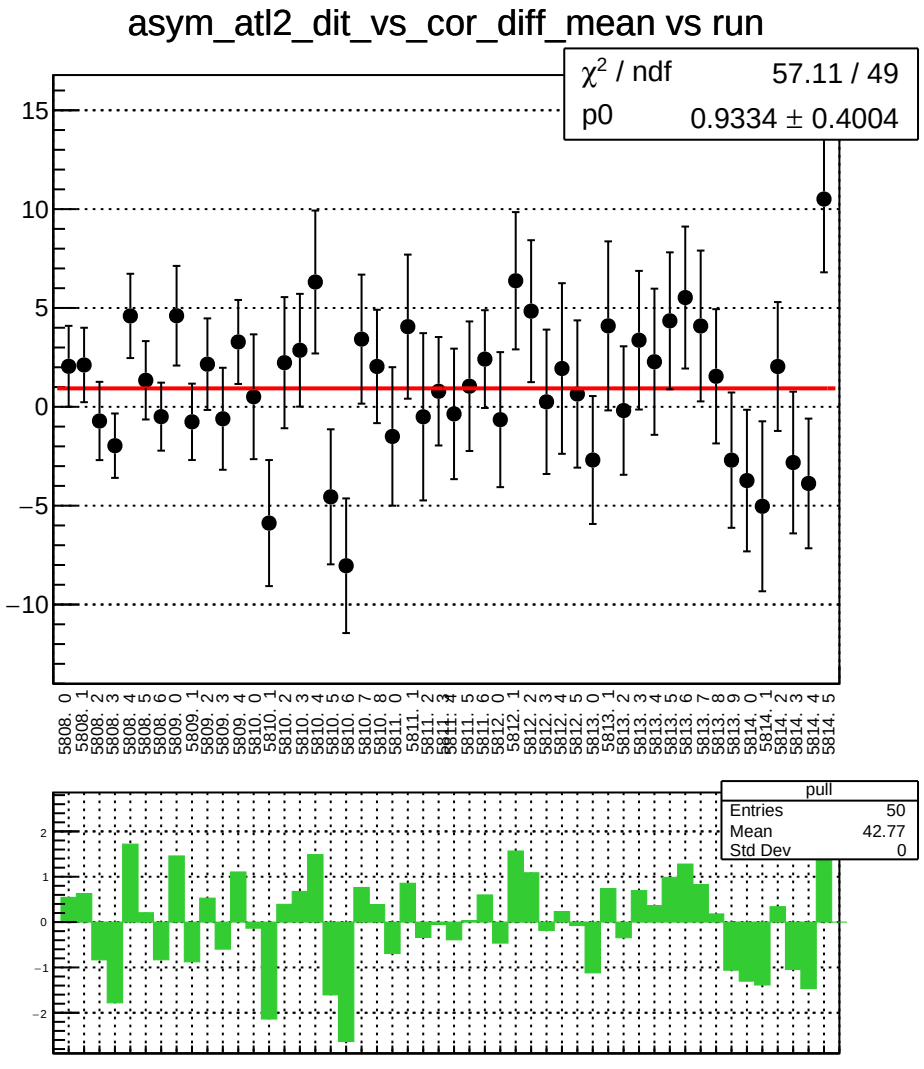

pull1D
Entries 50
Mean 0.01295
Std Dev 0.9914
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

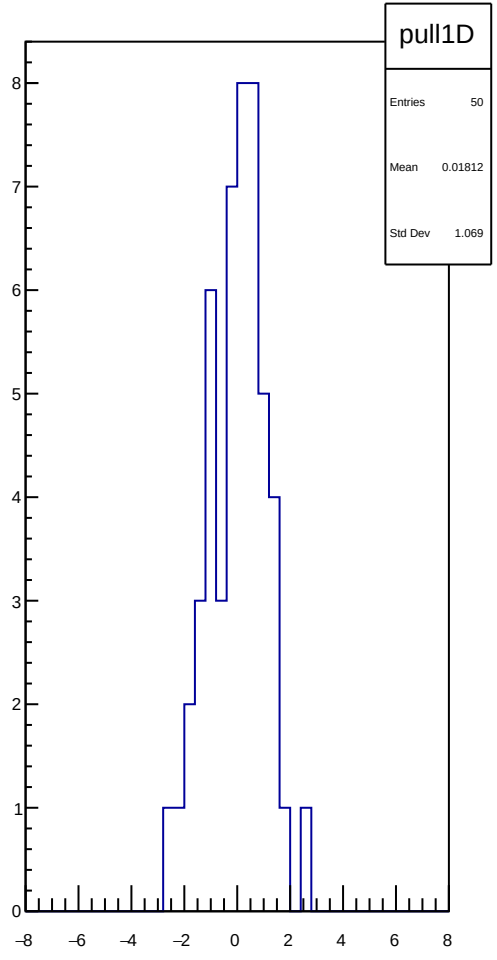

asym_atl2_rms vs run
χ² / ndf 1486 / 49
p0 5856 ± 6.007
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

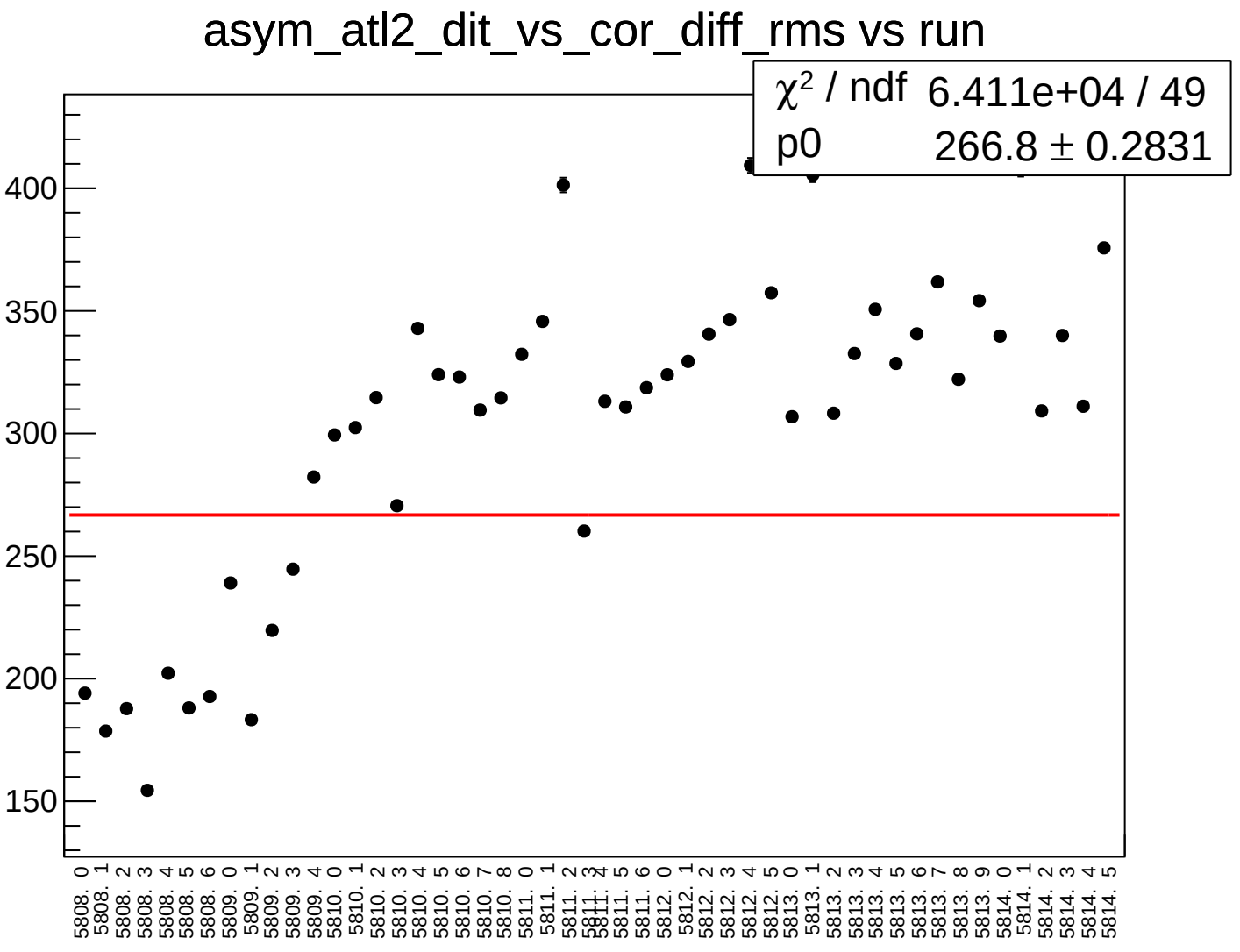

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 7.095e−13 ± 7.016e−13
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean −220.4
Std Dev 0

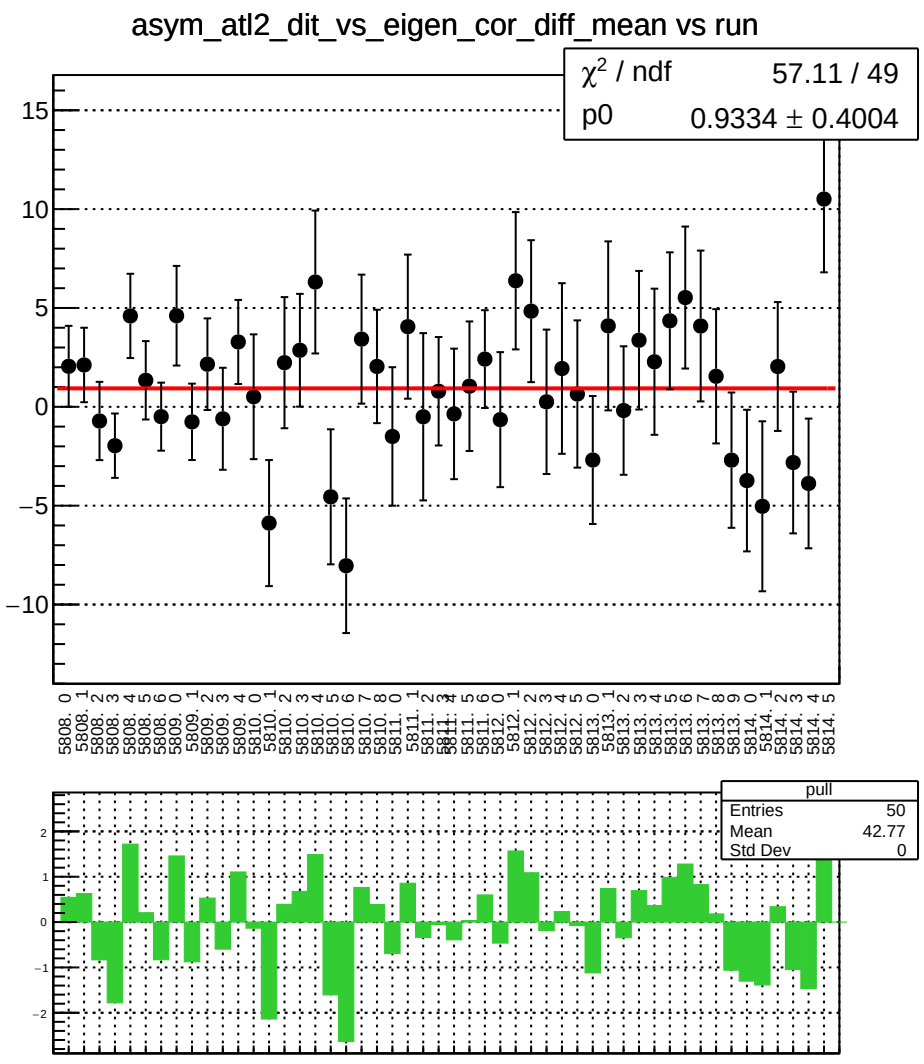

pull1D
Entries 50
Mean −0.007694
Std Dev 1.078

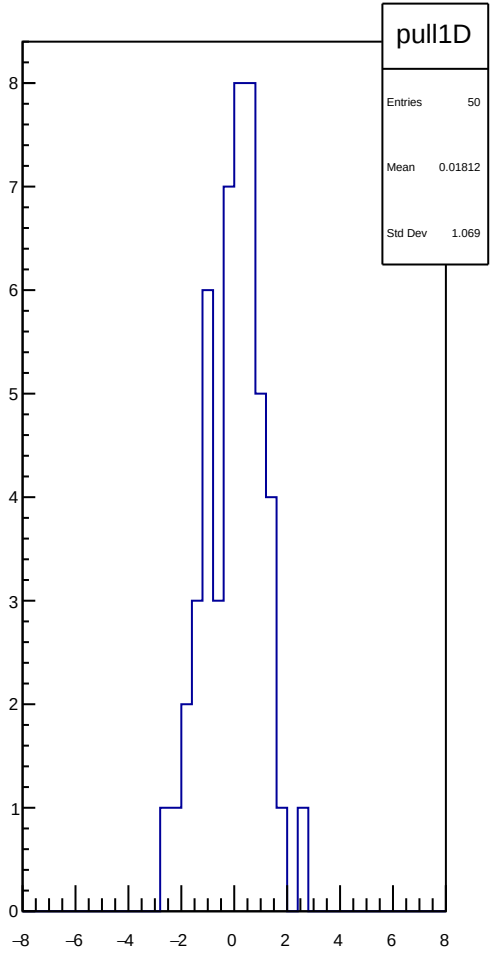

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.977e+05 / 49
p0 3.344e−10 ± 4.961e−13
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

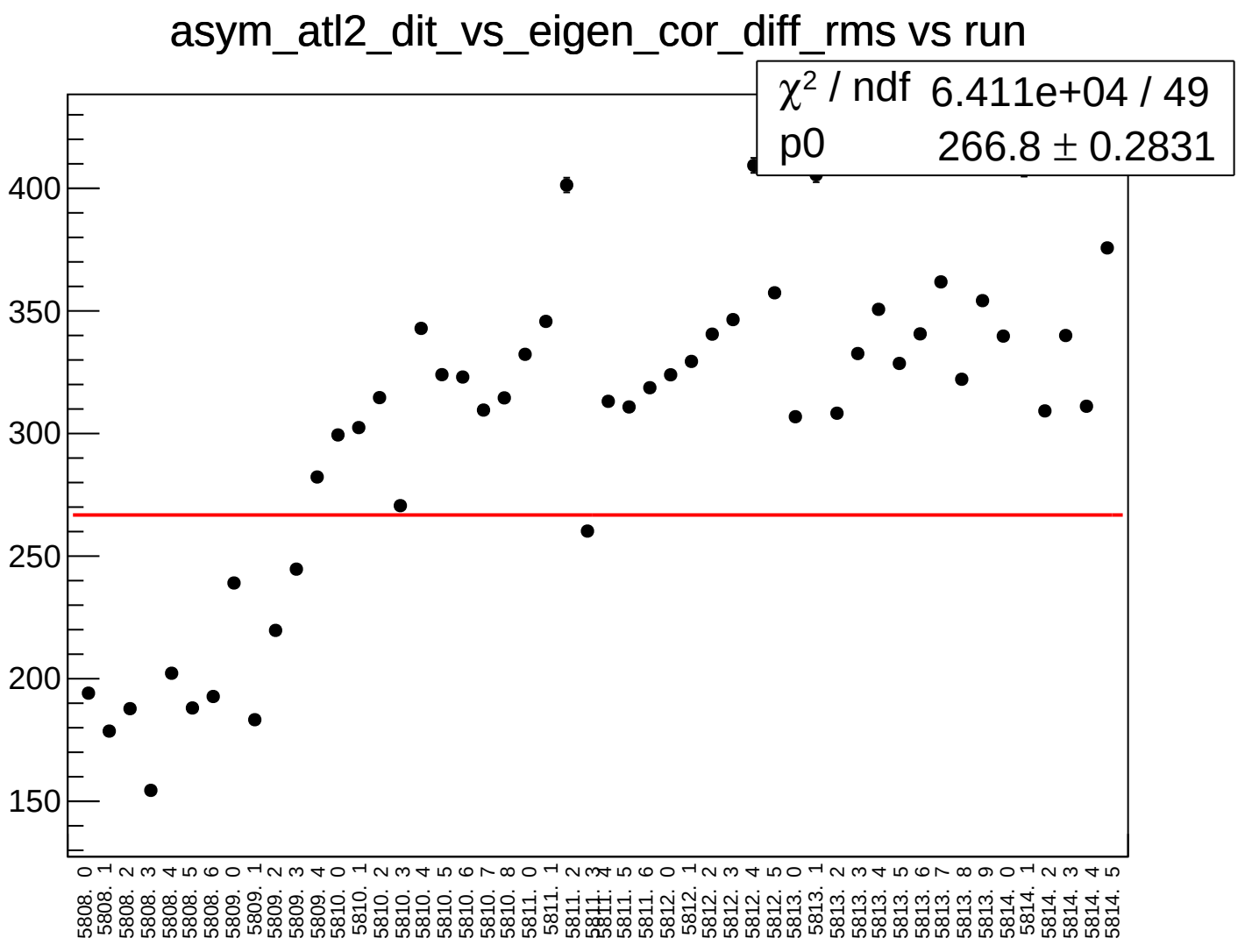

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.9334 ± 0.4004
15
10
5
0
−5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 42.77
Std Dev 0
2
1
0
−1
−2

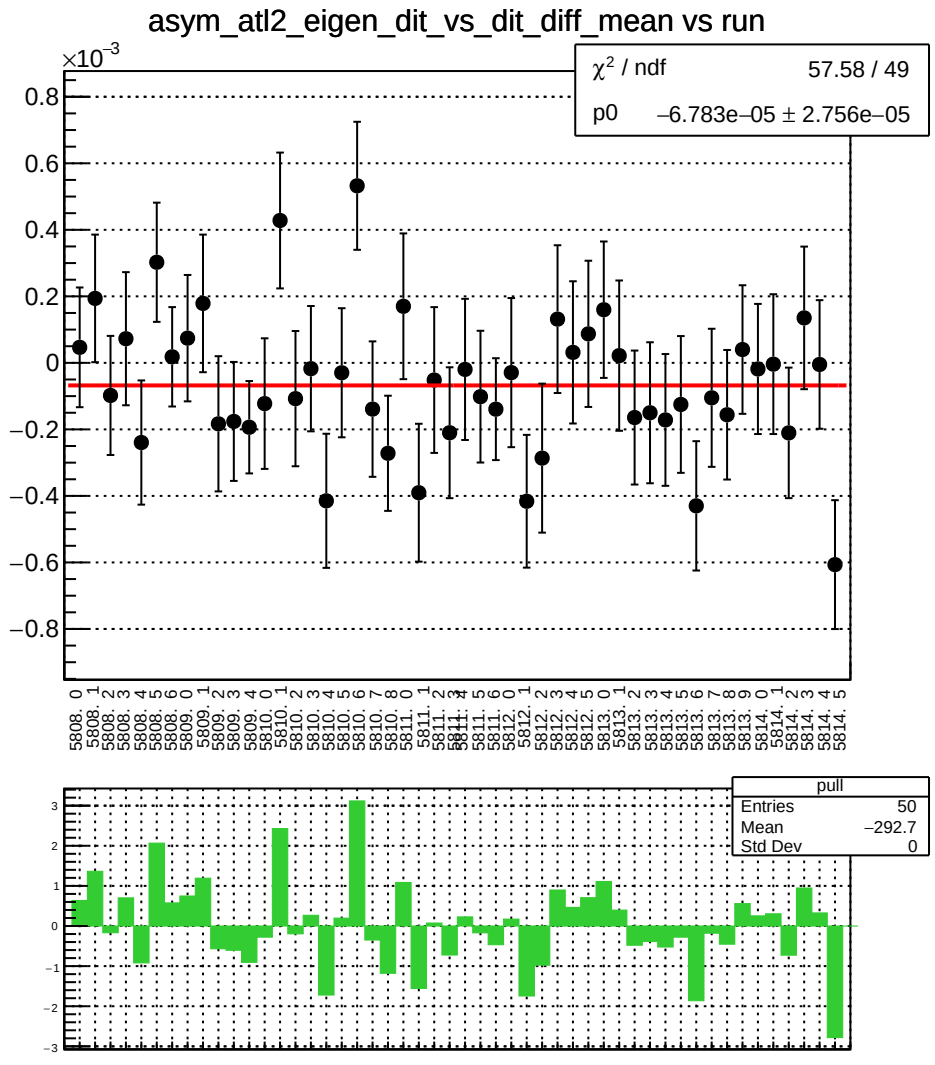

pull1D
Entries 50
Mean 0.01812
Std Dev 1.069
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

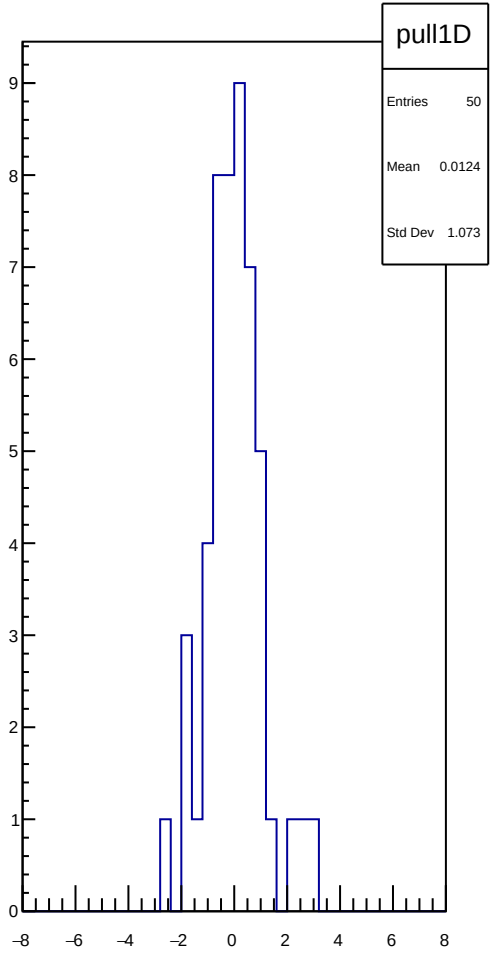

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 6.411e+04 / 49
p0 266.8 ± 0.2831
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

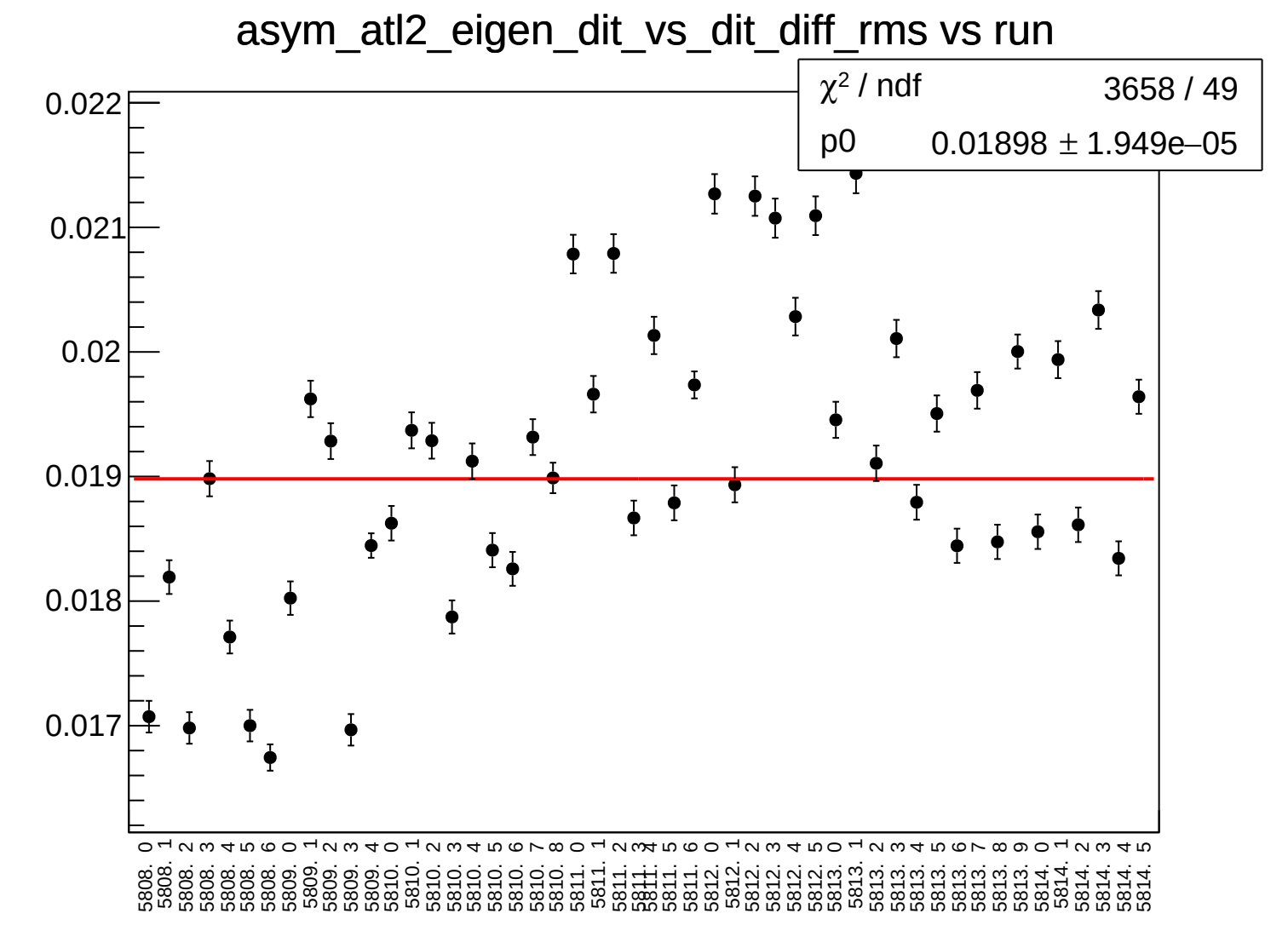

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.9334 ± 0.4004
pull
Entries 50
Mean 42.77
Std Dev 0

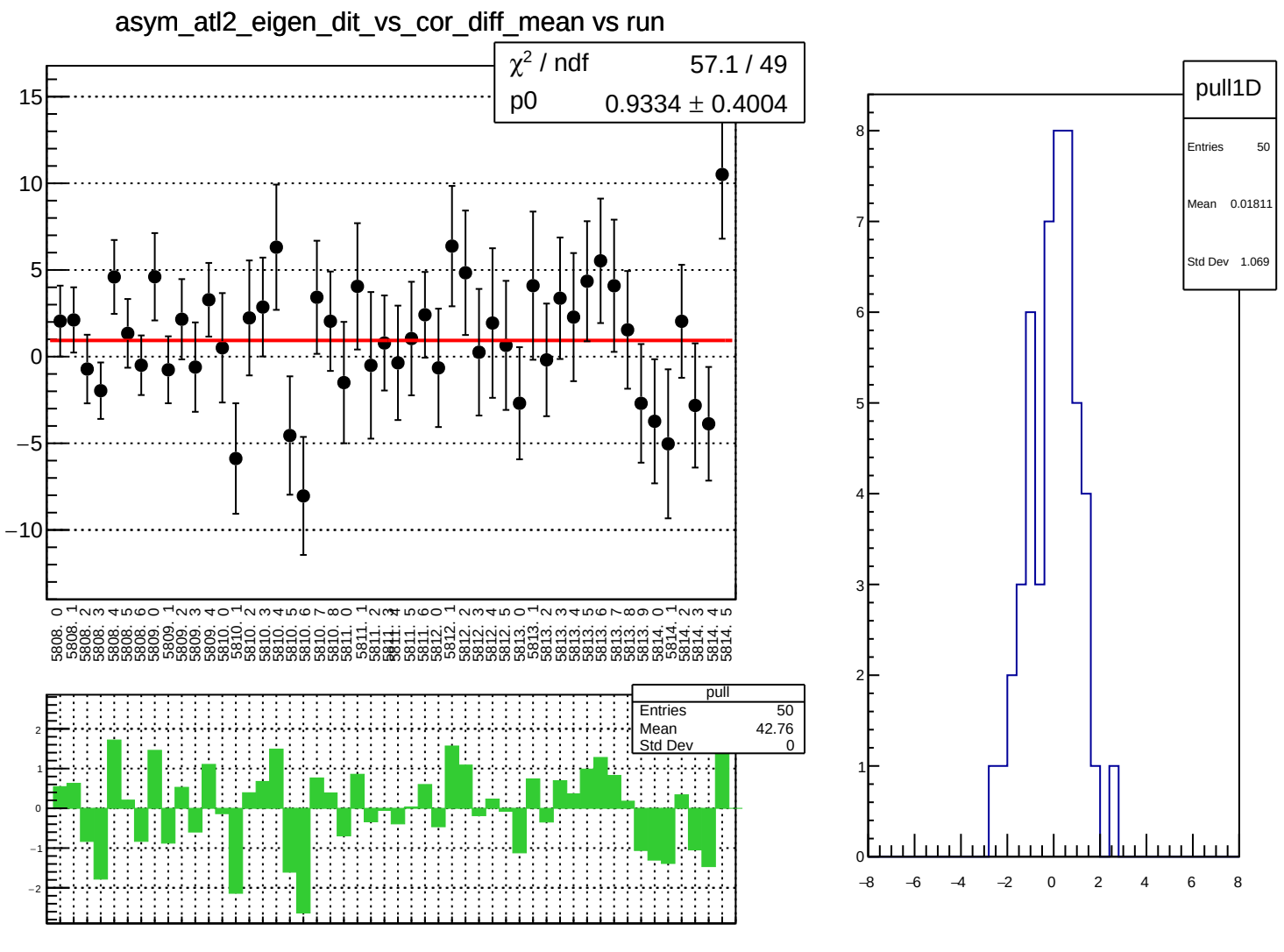

pull1D
Entries 50
Mean 0.01812
Std Dev 1.069

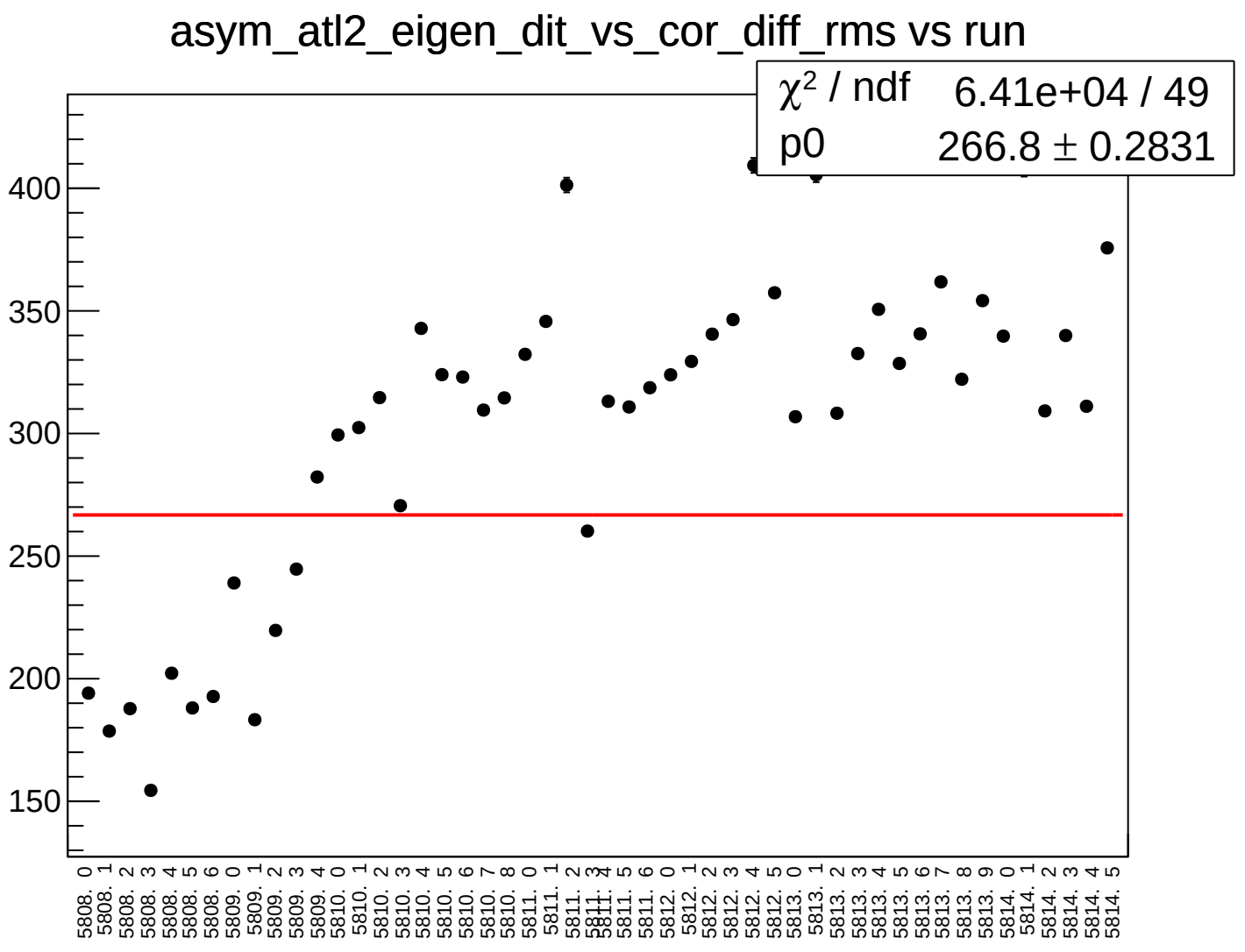

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.411e+04 / 49
p0 266.8 ± 0.2831
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

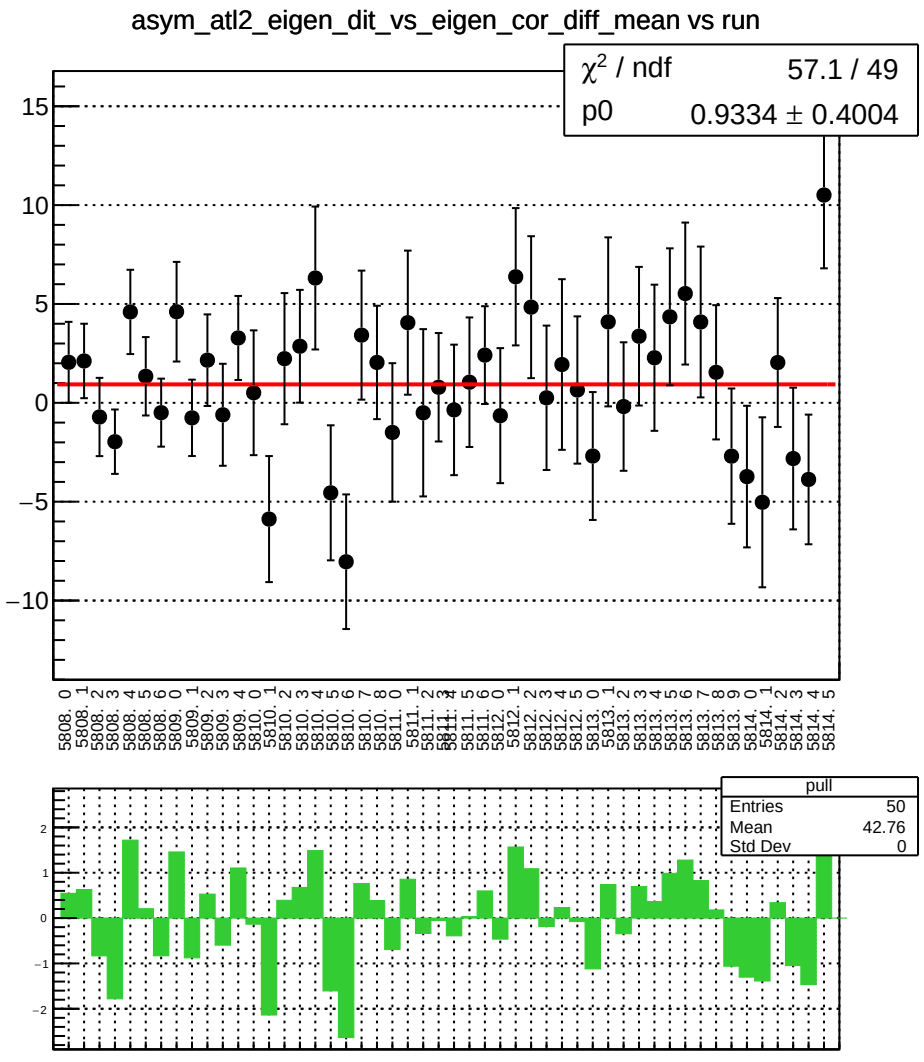

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.58 / 49
p0 −6.783e−05 ± 2.756e−05
pull
Entries 50
Mean −292.7
Std Dev 0

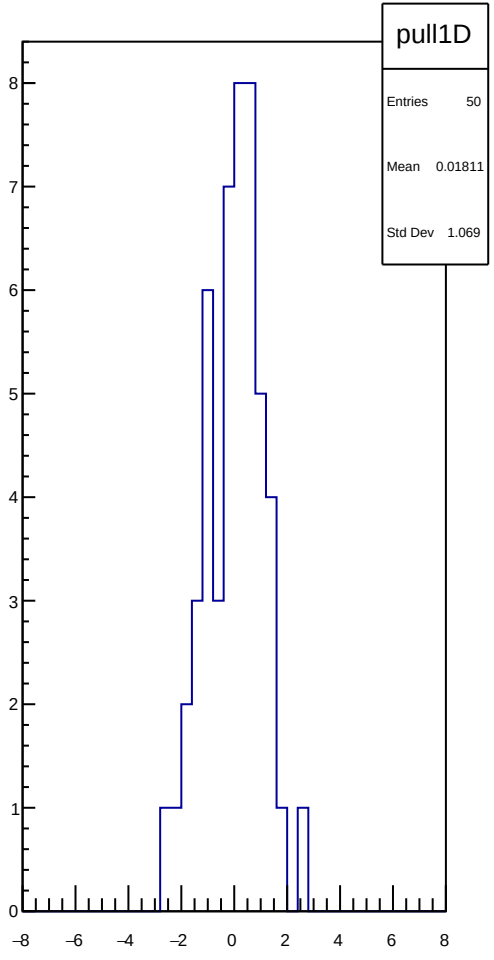

pull1D
Entries 50
Mean 0.0124
Std Dev 1.073

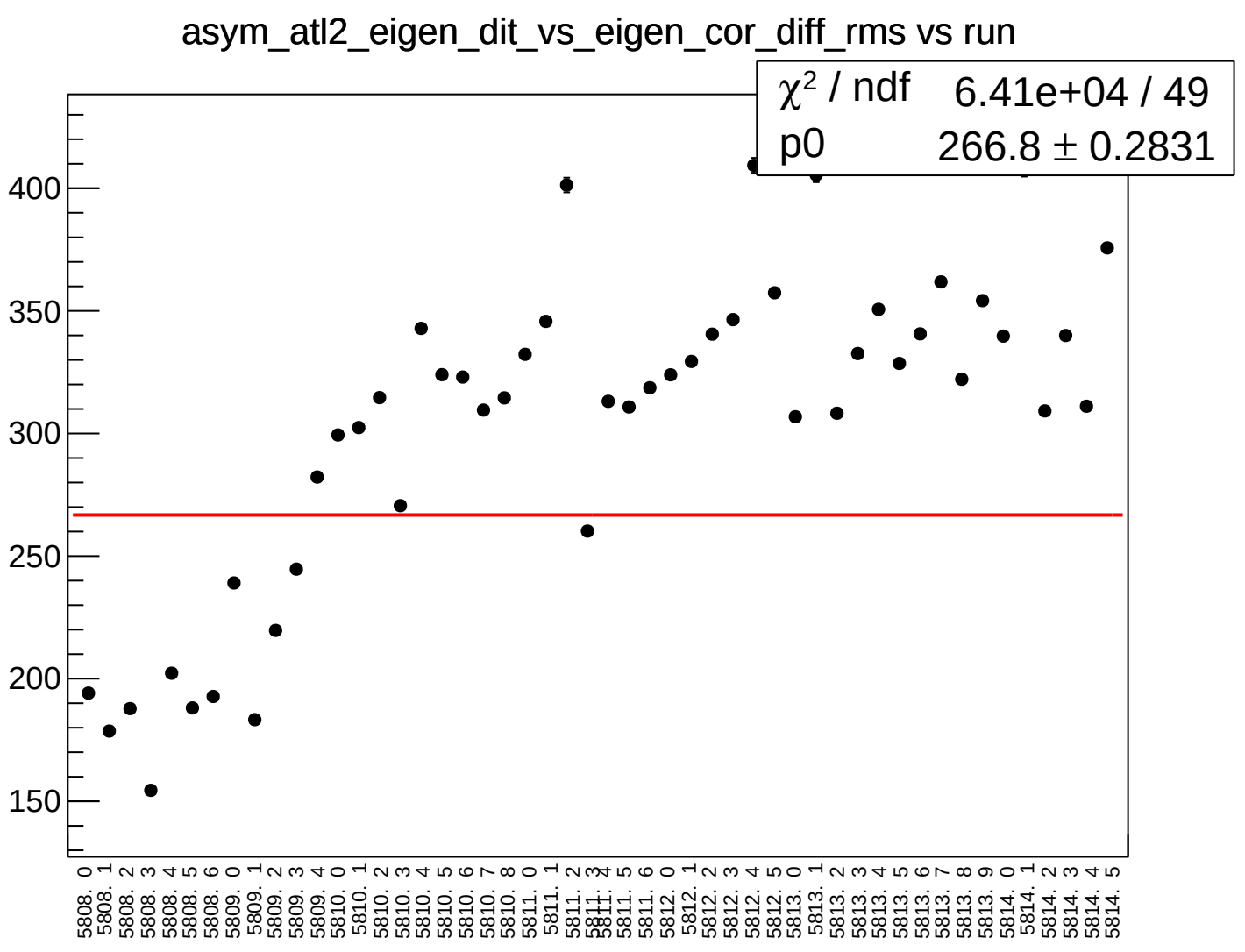

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3658 / 49
p0 0.01898 ± 1.949e−05
0.022
0.021
0.02
0.019
0.018
0.017
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

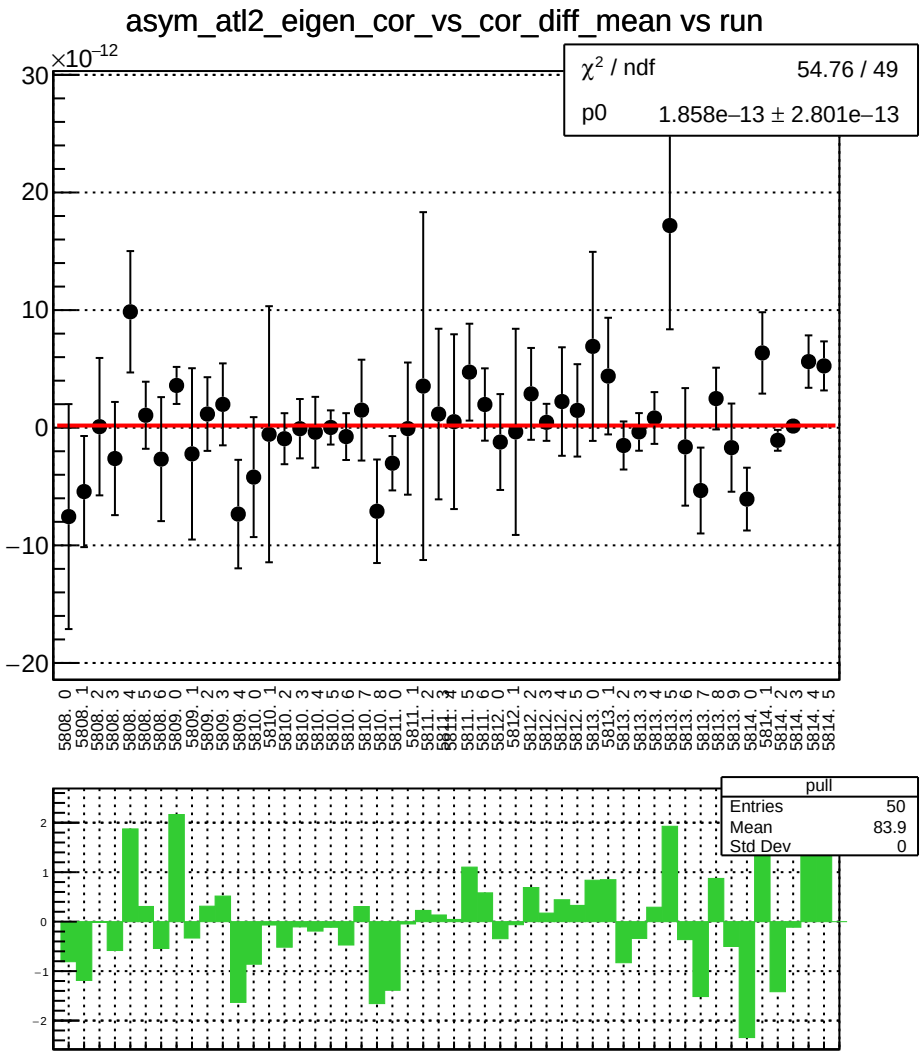

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.1 / 49
p0 0.9334 ± 0.4004
pull
Entries 50
Mean 42.76
Std Dev 0
pull1D
Entries 50
Mean 0.01811
Std Dev 1.069

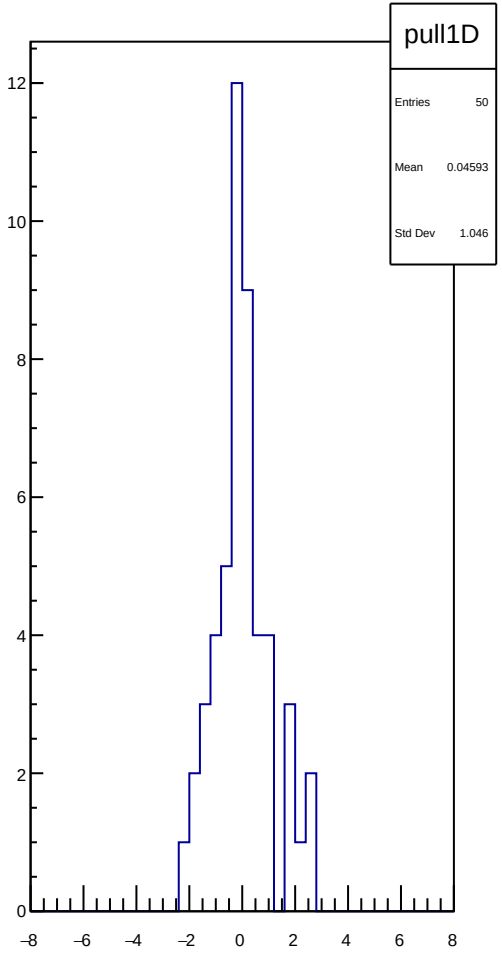

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.41e+04 / 49
p0 266.8 ± 0.2831
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

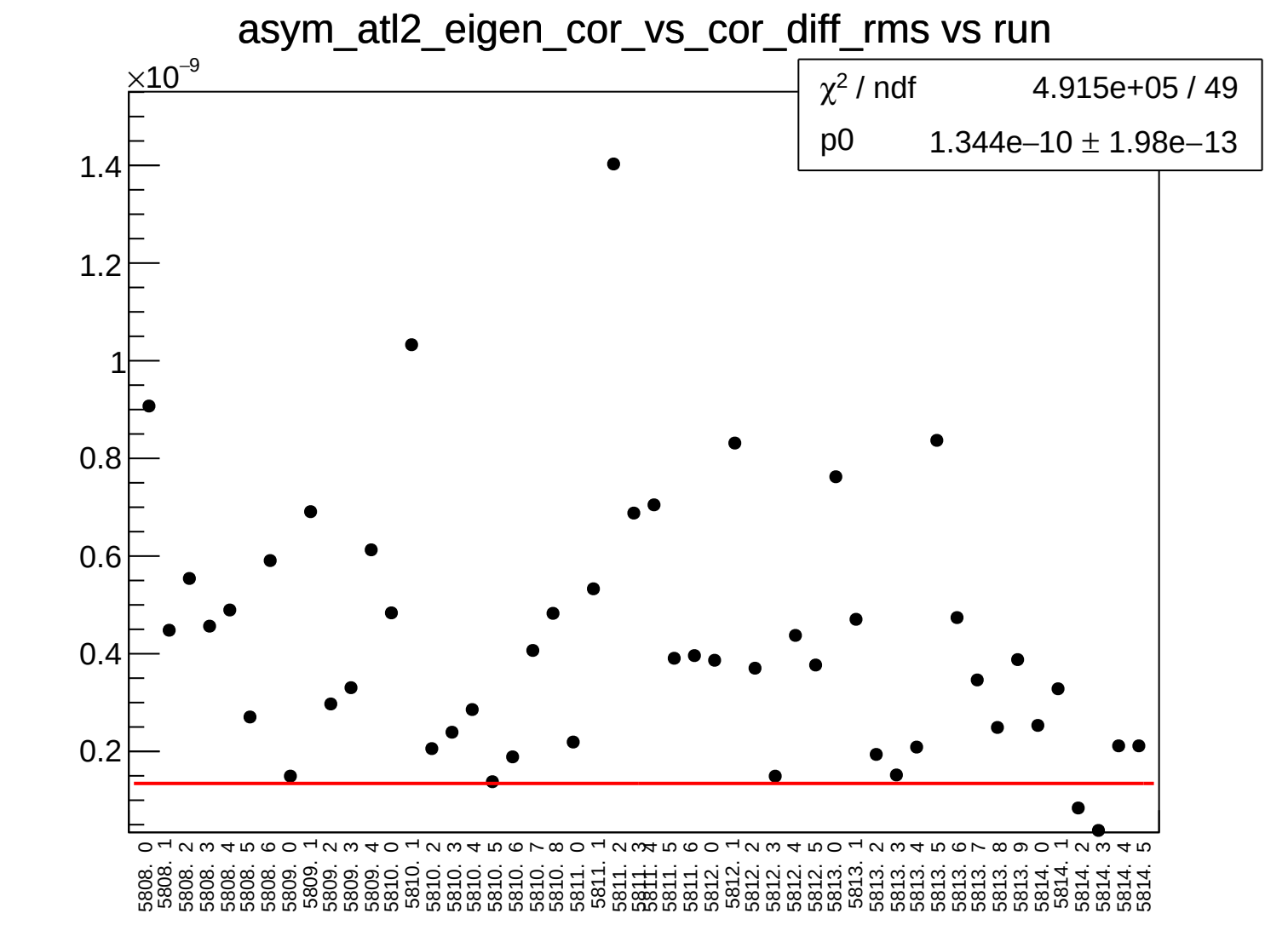

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.1 / 49
p0 0.9334 ± 0.4004
pull
Entries 50
Mean 42.76
Std Dev 0

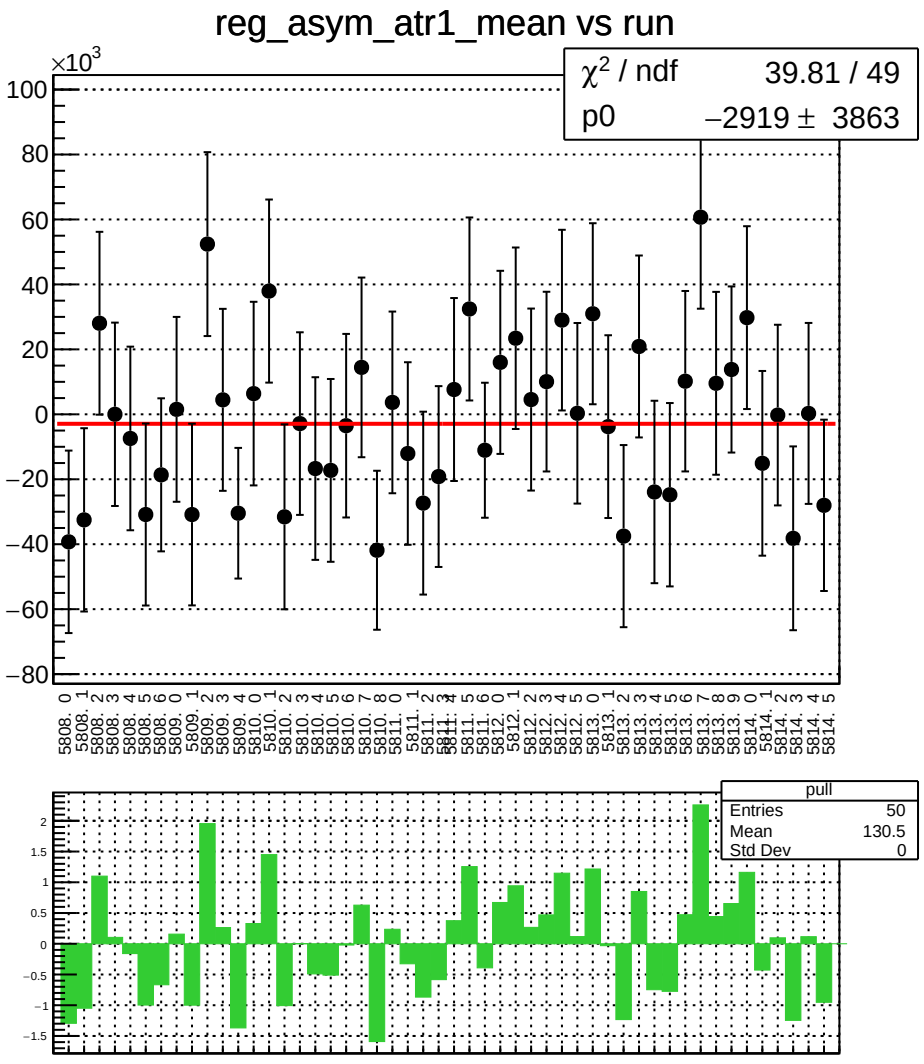

pull1D
Entries 50
Mean 0.01811
Std Dev 1.069

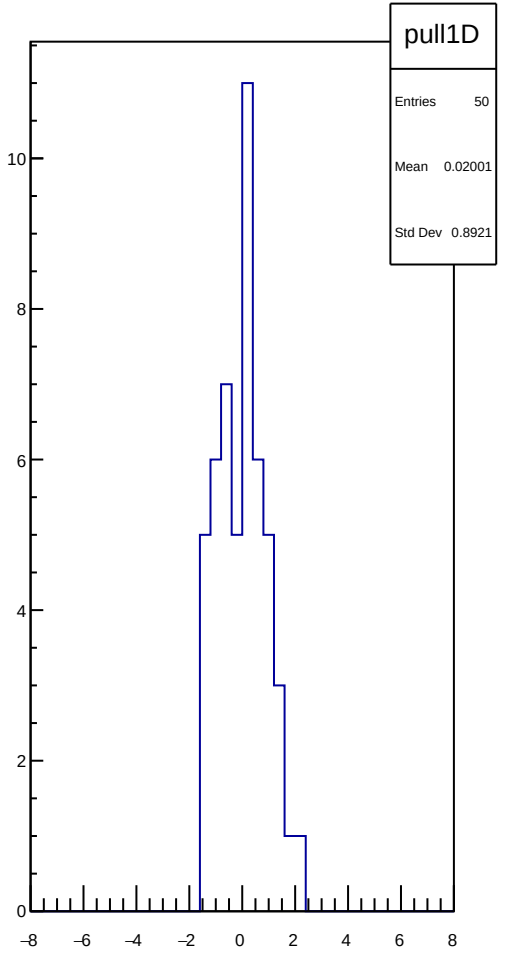

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.41e+04 / 49
p0 266.8 ± 0.2831
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

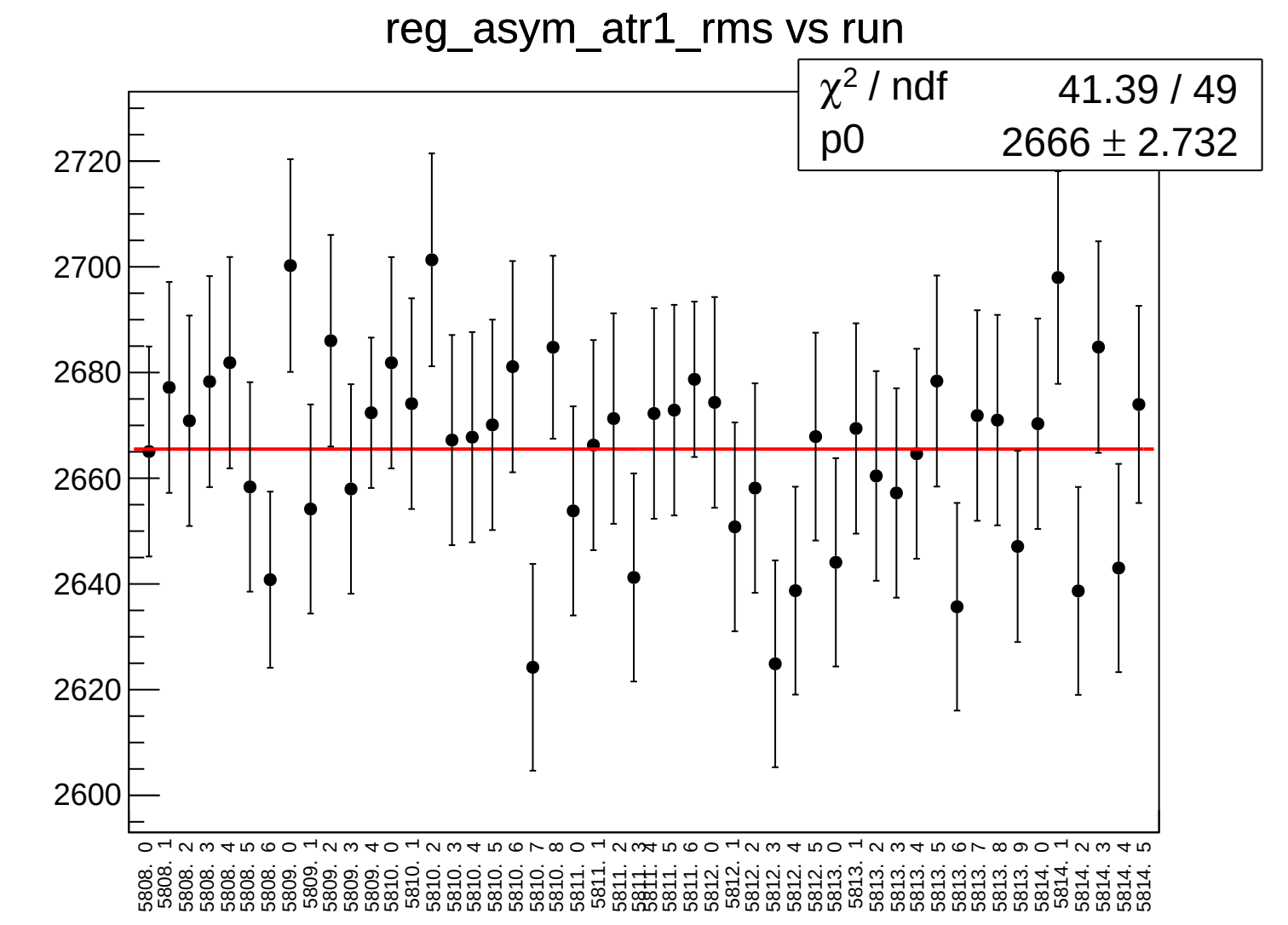

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.76 / 49
p0 1.858e−13 ± 2.801e−13
30
20
10
0
−10
−20
pull
Entries 50
Mean 83.9
Std Dev 0
2
1
0
−1
−2

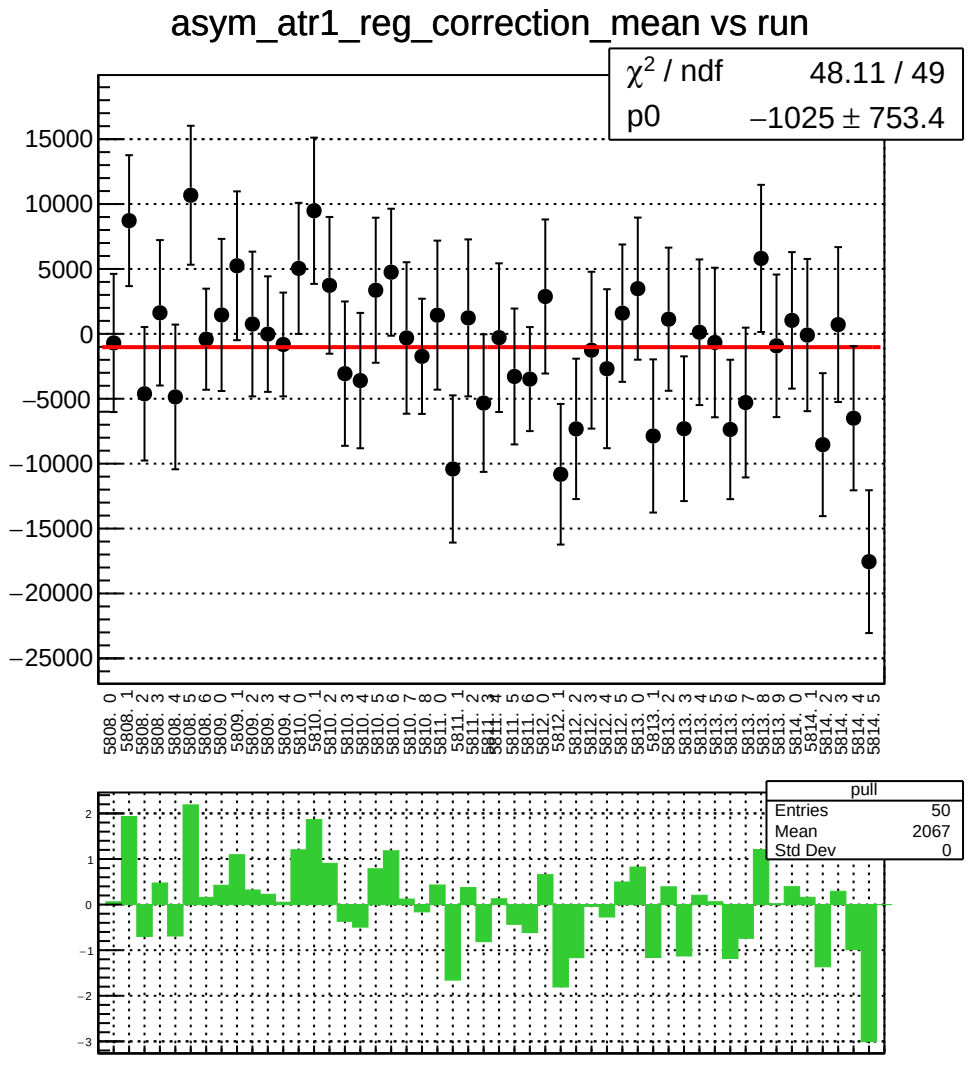

pull1D
Entries 50
Mean 0.04593
Std Dev 1.046
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.915e+05 / 49
p0 1.344e−10 ± 1.98e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atr1_mean vs run
×10^3
χ² / ndf 39.81 / 49
p0 −2919 ± 3863
pull
Entries 50
Mean 130.5
Std Dev 0


pull1D
Entries 50
Mean 0.02001
Std Dev 0.8921


reg_asym_atr1_rms vs run
χ^2 / ndf 41.39 / 49
p0 2666 ± 2.732
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1_reg_correction_mean vs run
χ² / ndf 48.11 / 49
p0 −1025 ± 753.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 5
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5813. 2
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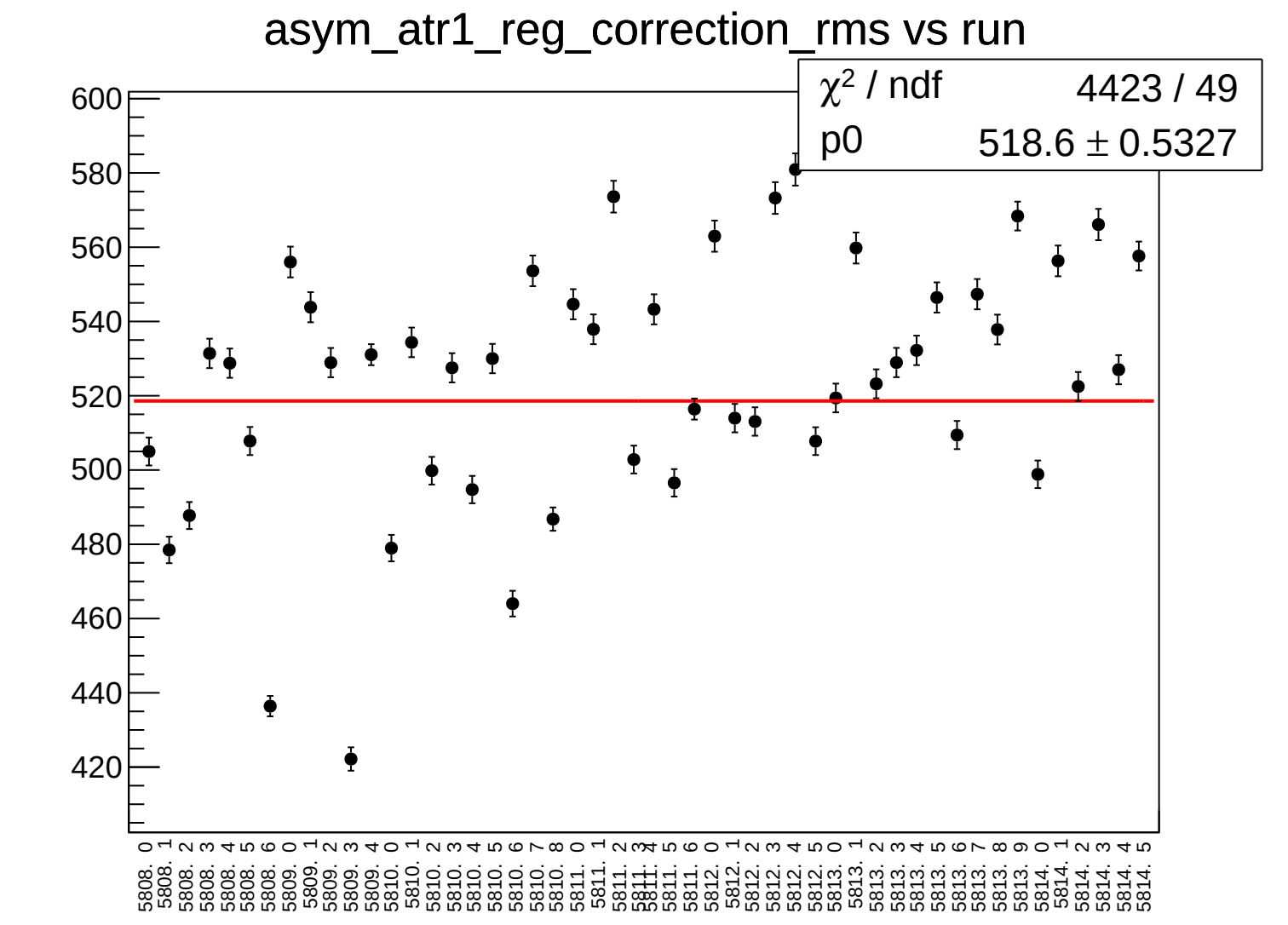
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 2067
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.002907
Std Dev 0.9809
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_reg_correction_rms vs run
χ² / ndf 4423 / 49
p0 518.6 ± 0.5327
600
580
560
540
520
500
480
460
440
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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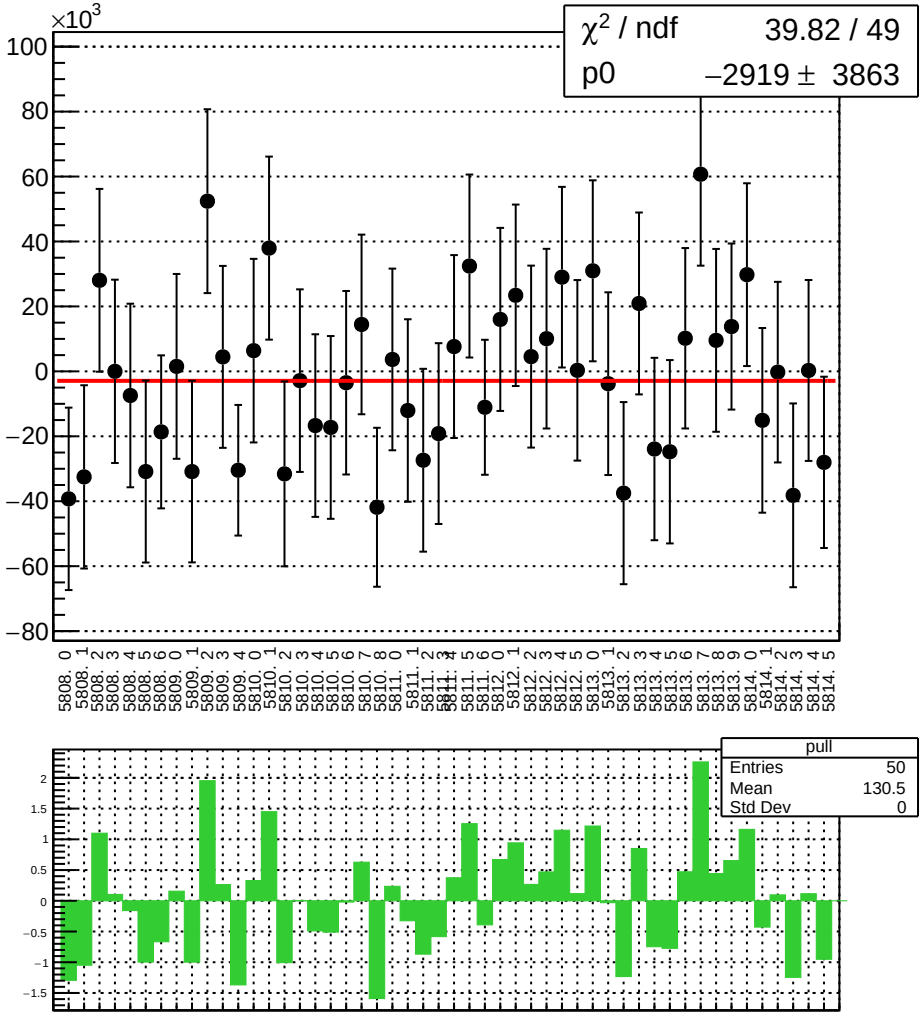
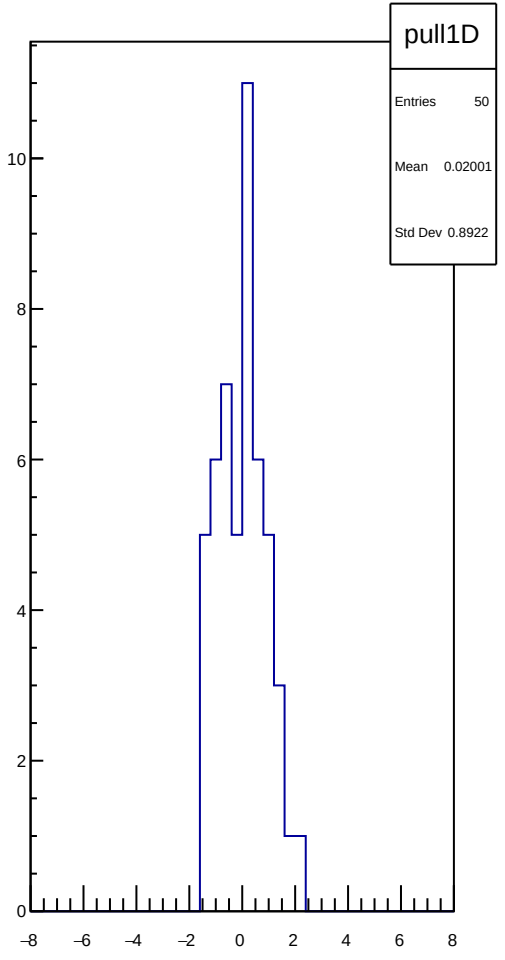
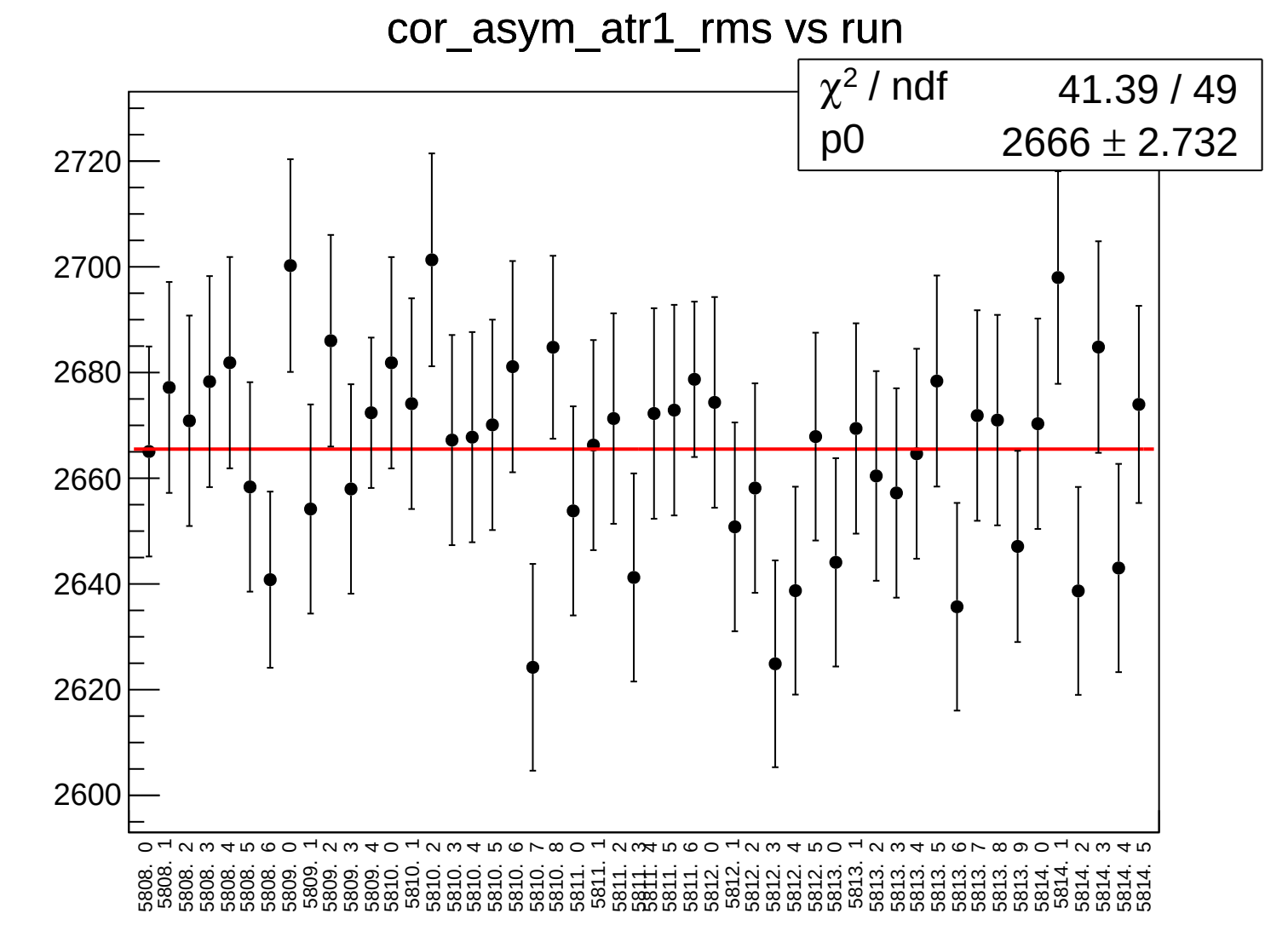
5814. 4
5814. 5


cor_asym_atr1_mean vs run
×10^3
χ² / ndf 39.82 / 49
p0 −2919 ± 3863
pull
Entries 50
Mean 130.5
Std Dev 0


pull1D
Entries 50
Mean 0.02001
Std Dev 0.8922


cor_asym_atr1_rms vs run
χ^2 / ndf 41.39 / 49
p0 2666 ± 2.732
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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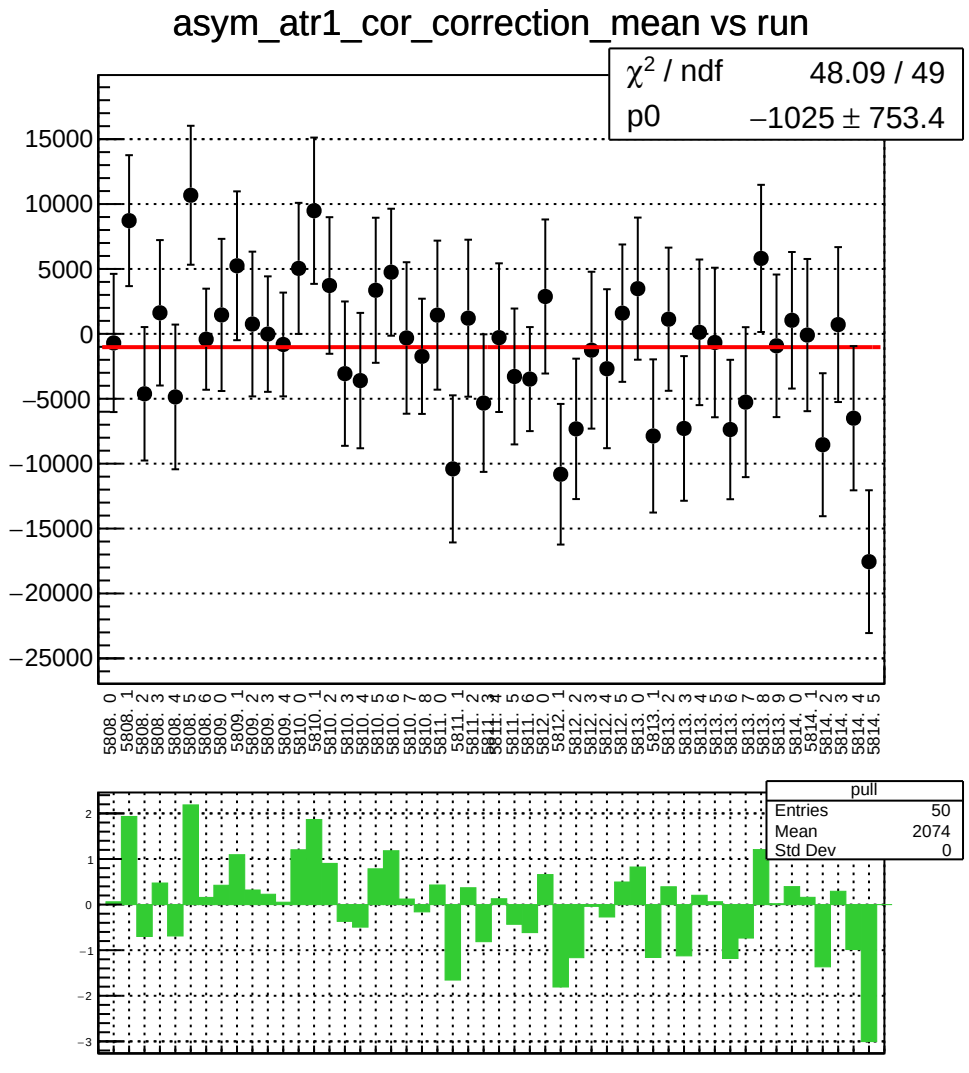
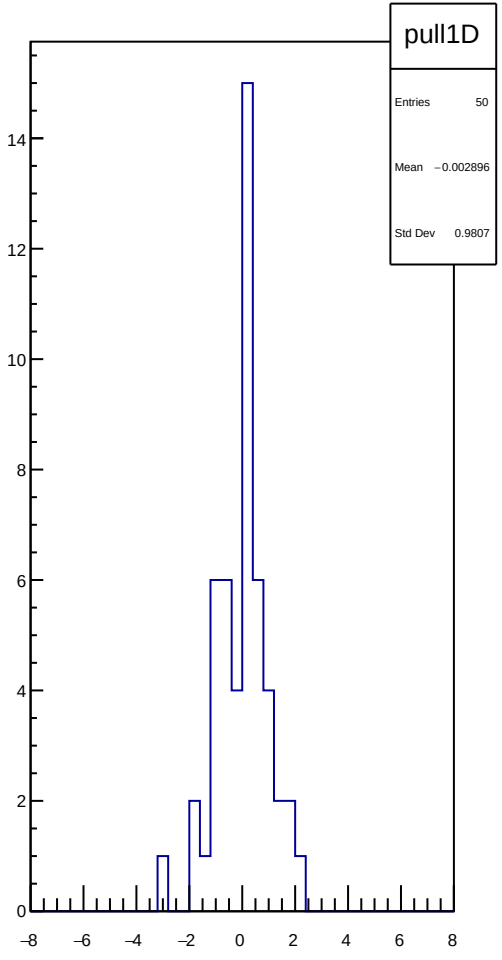
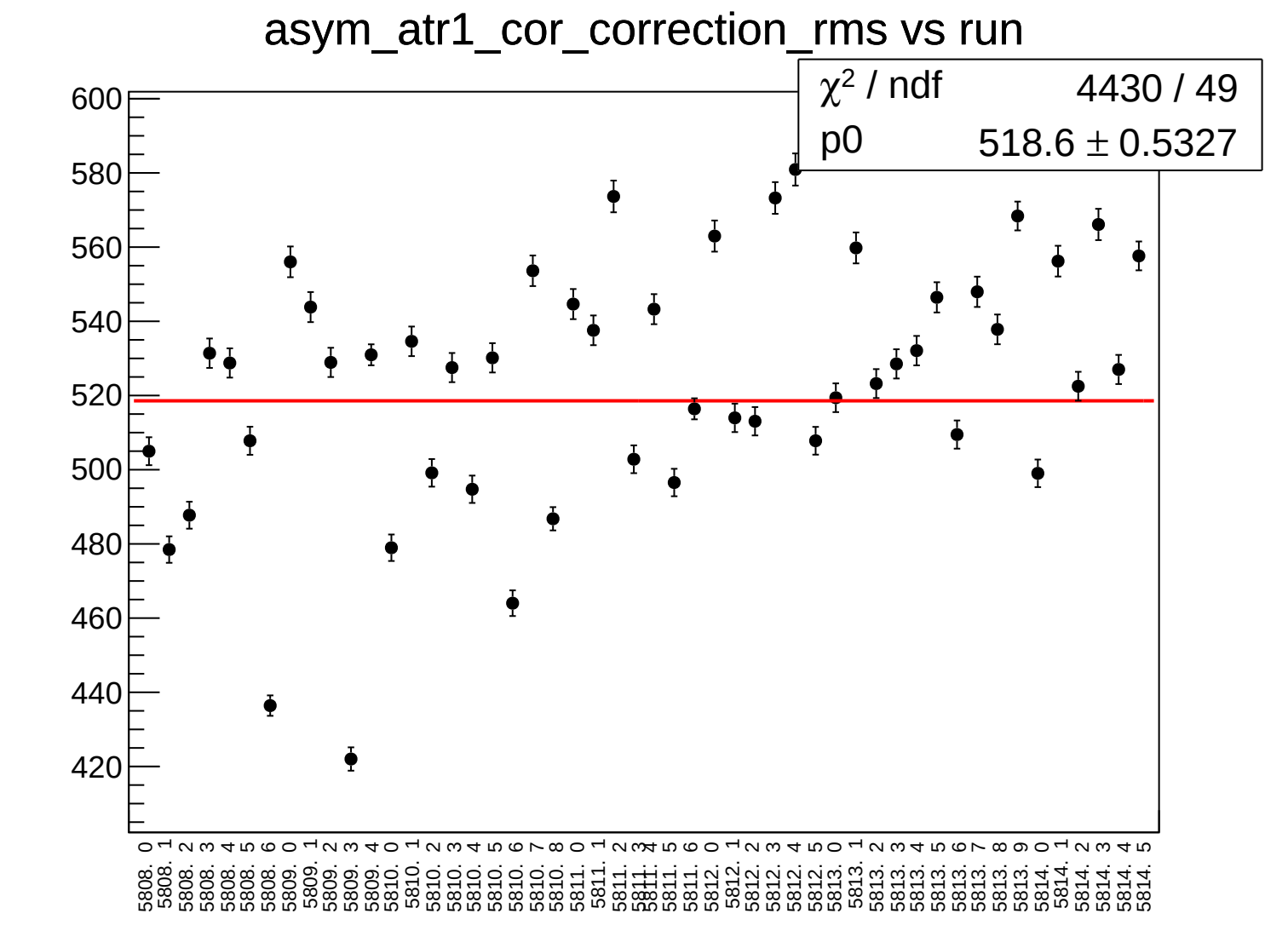
5814. 4
5814. 5


asym_atr1_cor_correction_mean vs run
χ² / ndf 48.09 / 49
p0 −1025 ± 753.4
pull
Entries 50
Mean 2074
Std Dev 0


pull1D
Entries 50
Mean −0.002896
Std Dev 0.9807


asym_atr1_cor_correction_rms vs run
χ² / ndf 4430 / 49
p0 518.6 ± 0.5327
600
580
560
540
520
500
480
460
440
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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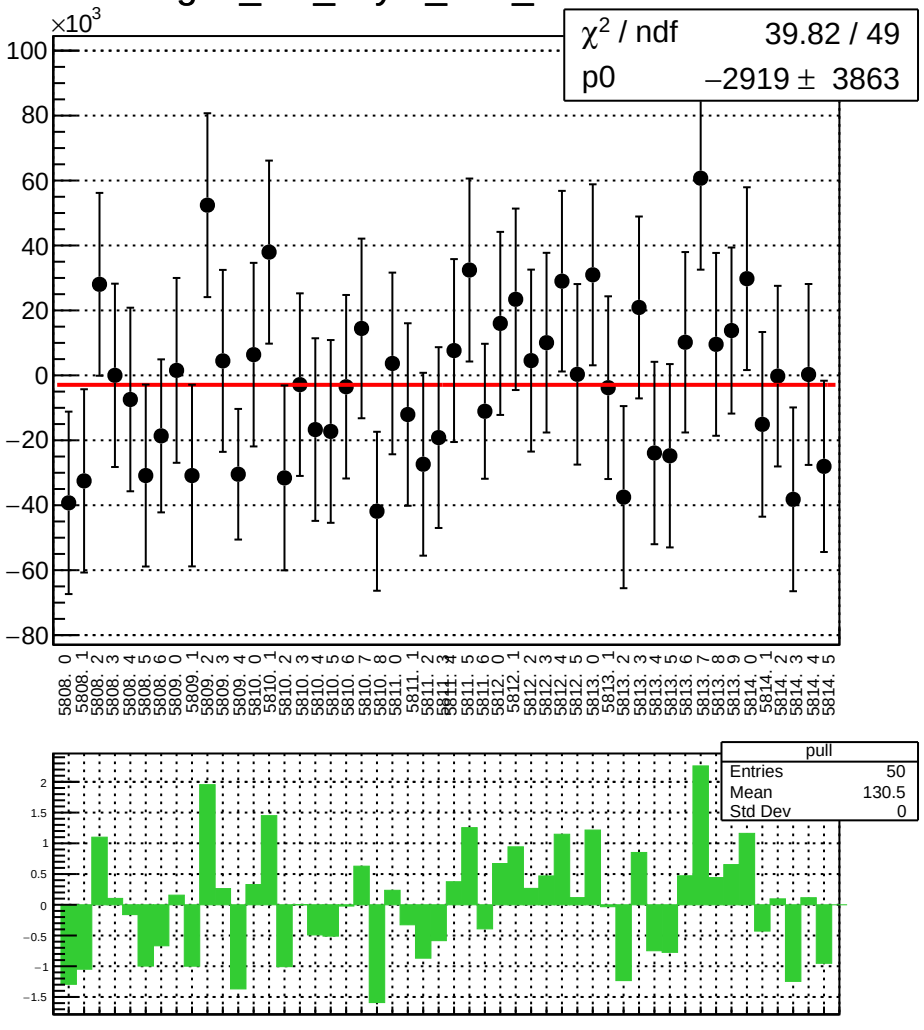
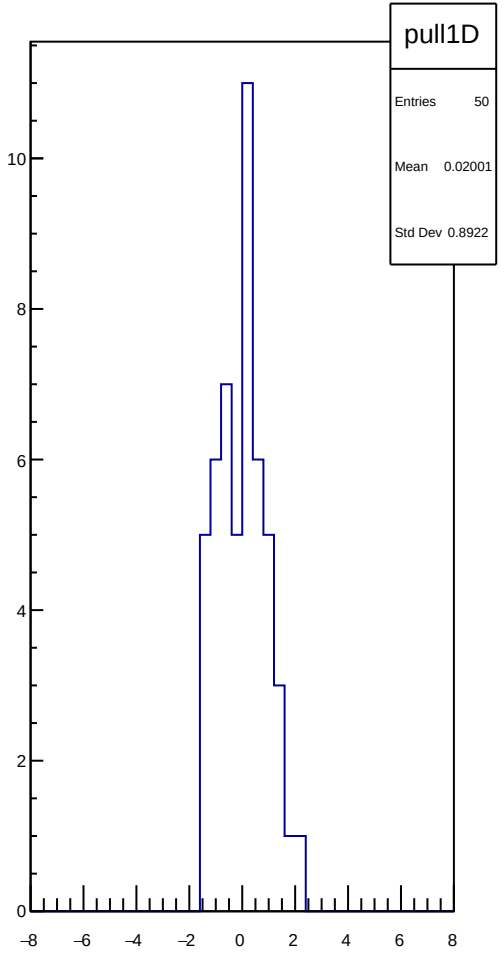
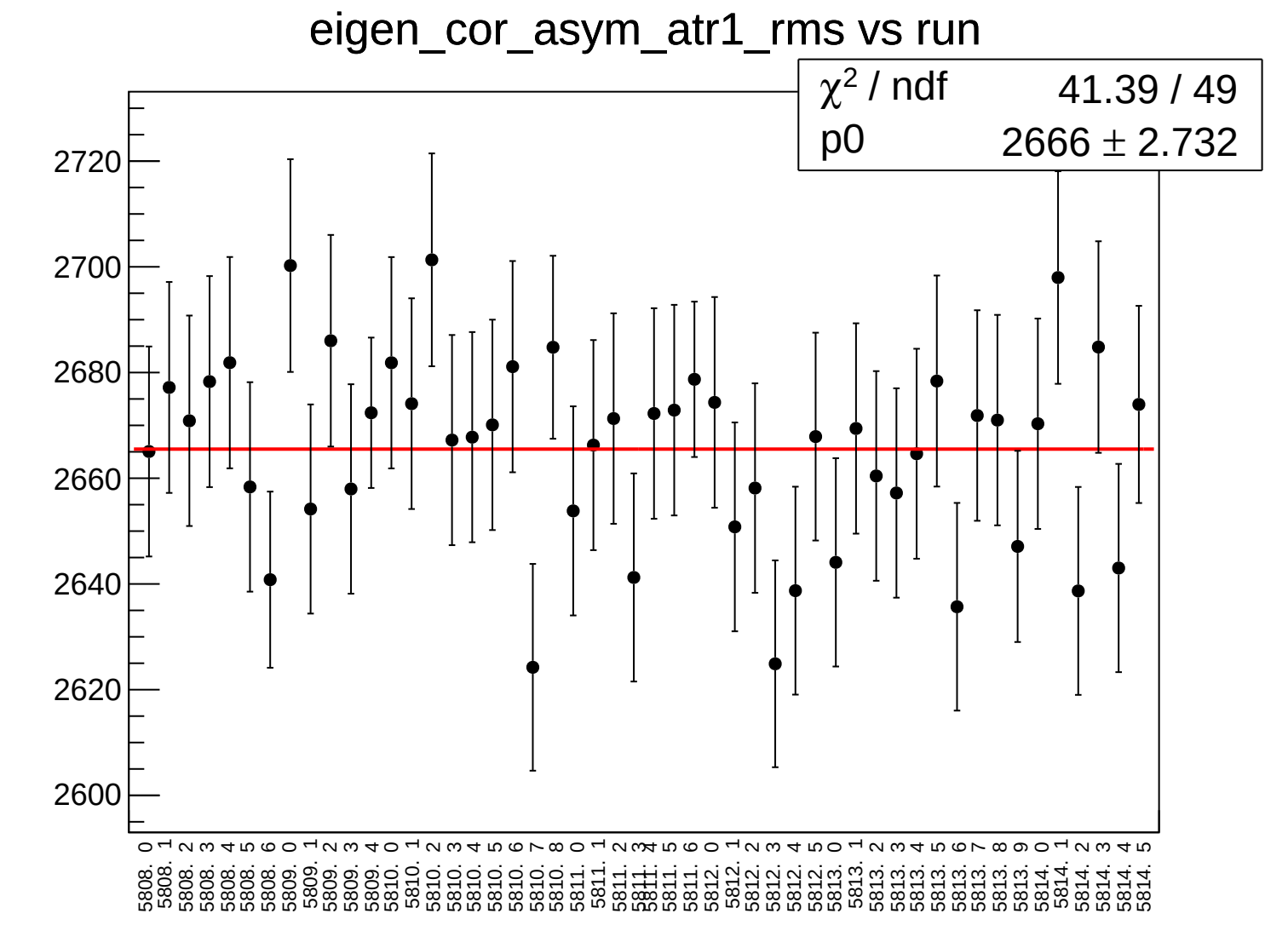
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_atr1_mean vs run
×10^3
χ² / ndf 39.82 / 49
p0 −2919 ± 3863
pull
Entries 50
Mean 130.5
Std Dev 0


pull1D
Entries 50
Mean 0.02001
Std Dev 0.8922


eigen_cor_asym_atr1_rms vs run
χ² / ndf 41.39 / 49
p0 2666 ± 2.732
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
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5813. 8
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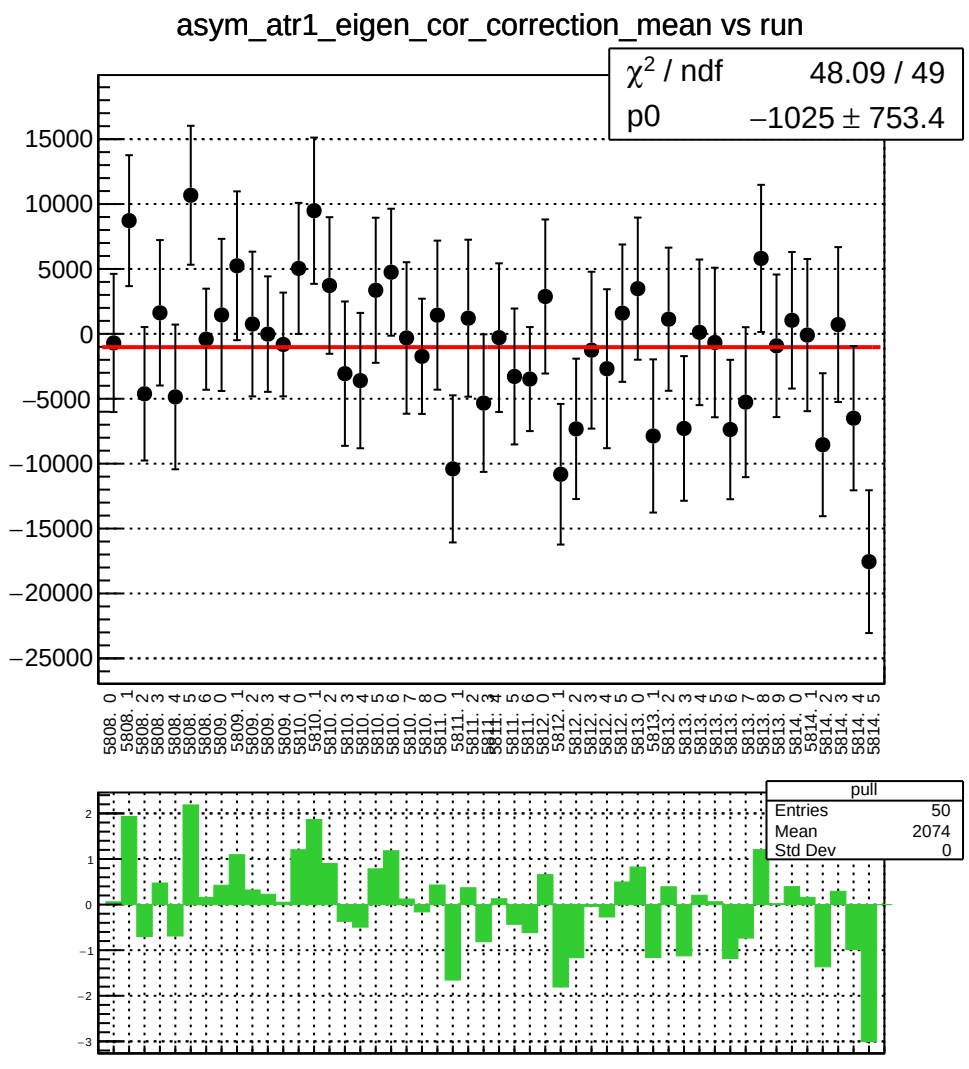
5814. 3
5814. 4
5814. 5


asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 48.09 / 49
p0 −1025 ± 753.4
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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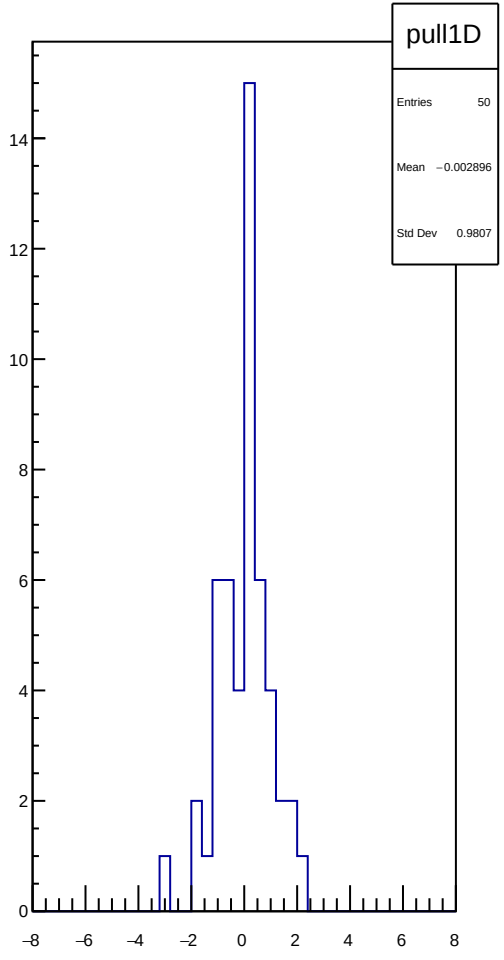
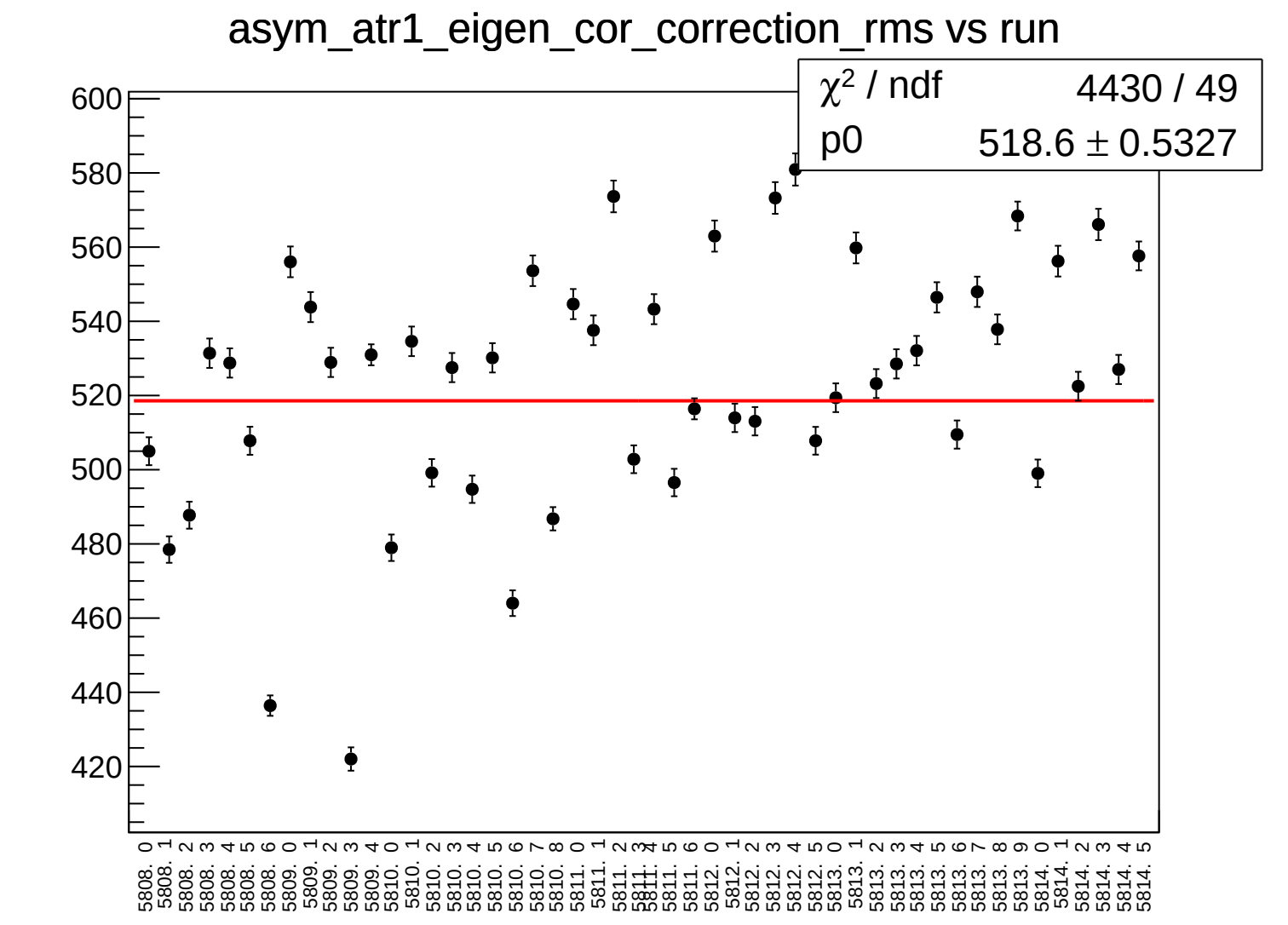
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 2074
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.002896
Std Dev 0.9807
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 4430 / 49
p0 518.6 ± 0.5327
600
580
560
540
520
500
480
460
440
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 2
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5813. 8
5813. 9
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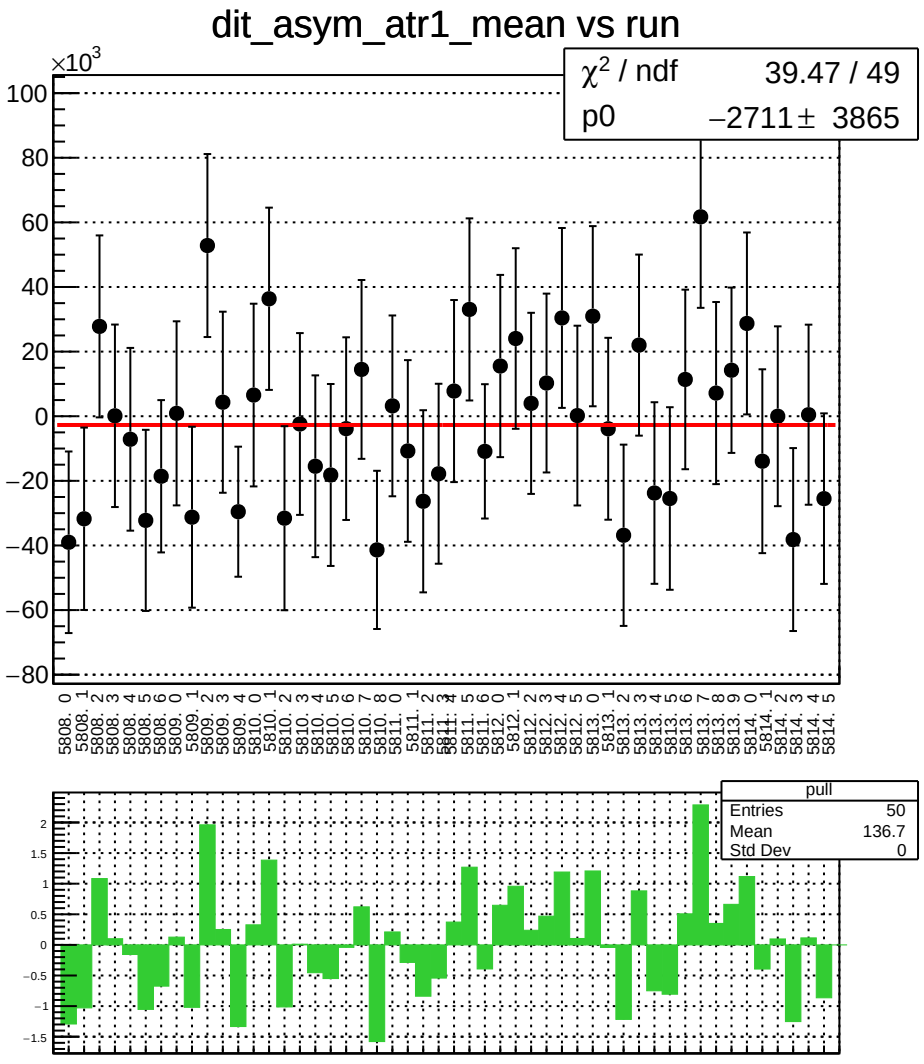
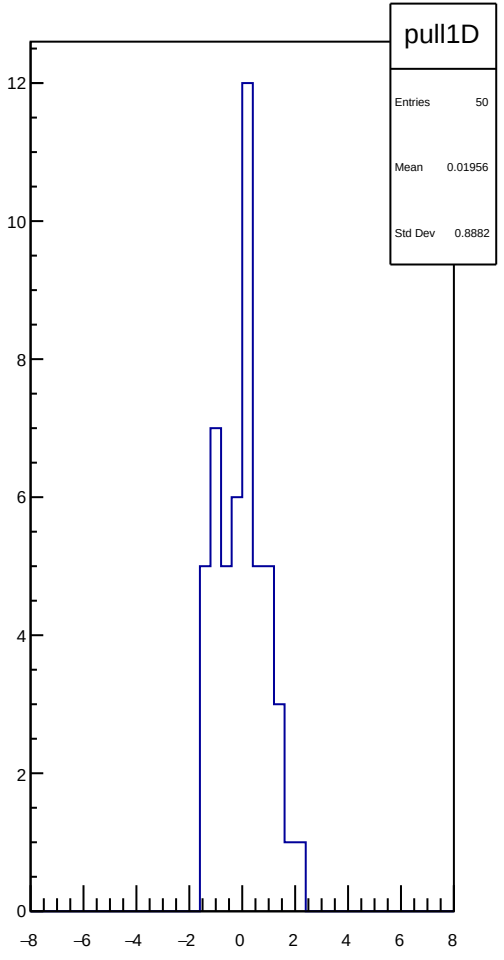
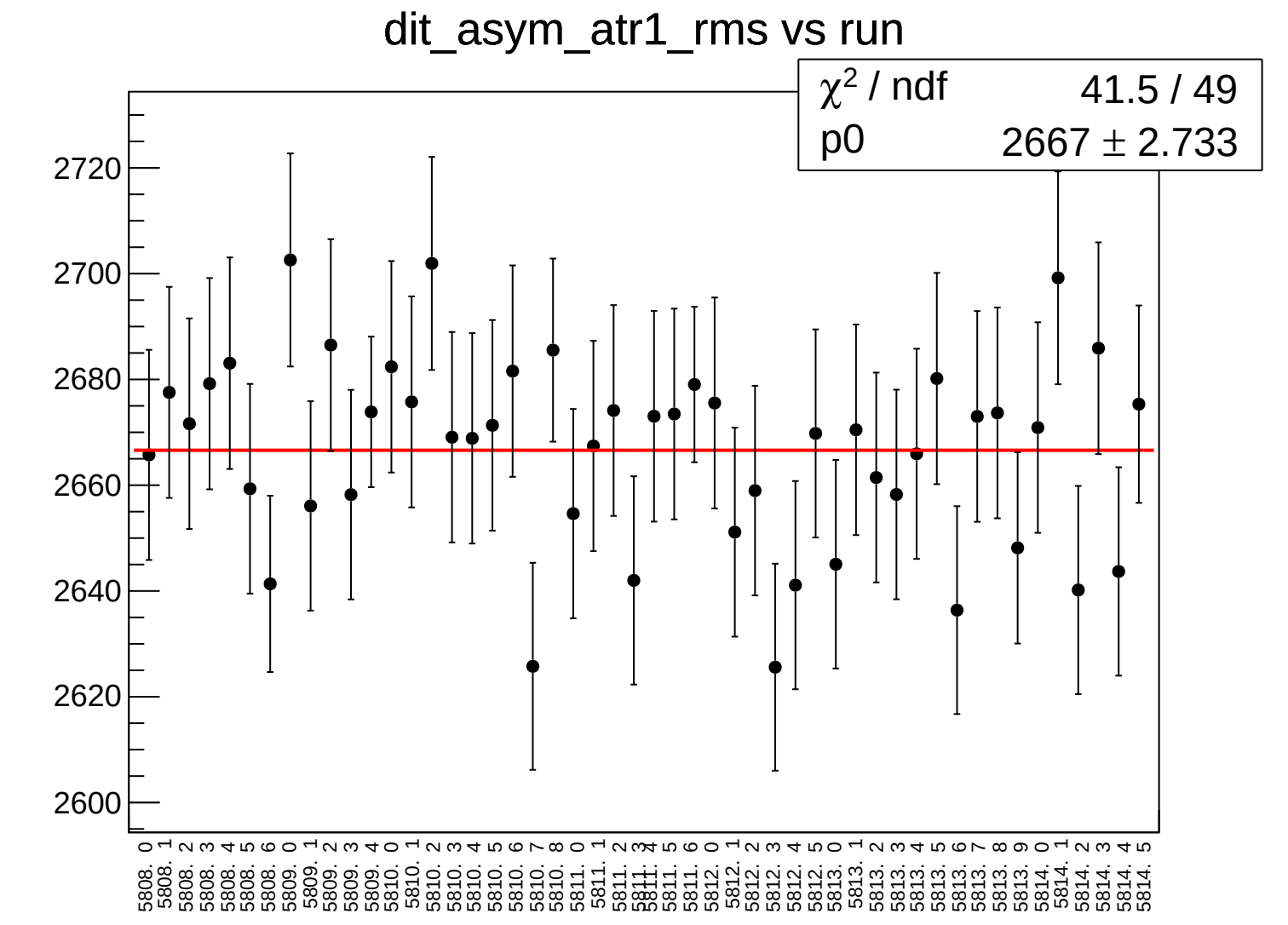
5814. 5


dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 39.47 / 49
p0 −2711 ± 3865
pull
Entries 50
Mean 136.7
Std Dev 0


pull1D
Entries 50
Mean 0.01956
Std Dev 0.8882


dit_asym_atr1_rms vs run
χ^2 / ndf 41.5 / 49
p0 2667 ± 2.733
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5810. 1
5810. 2
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5810. 8
5811. 0
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5811. 2
5811. 3
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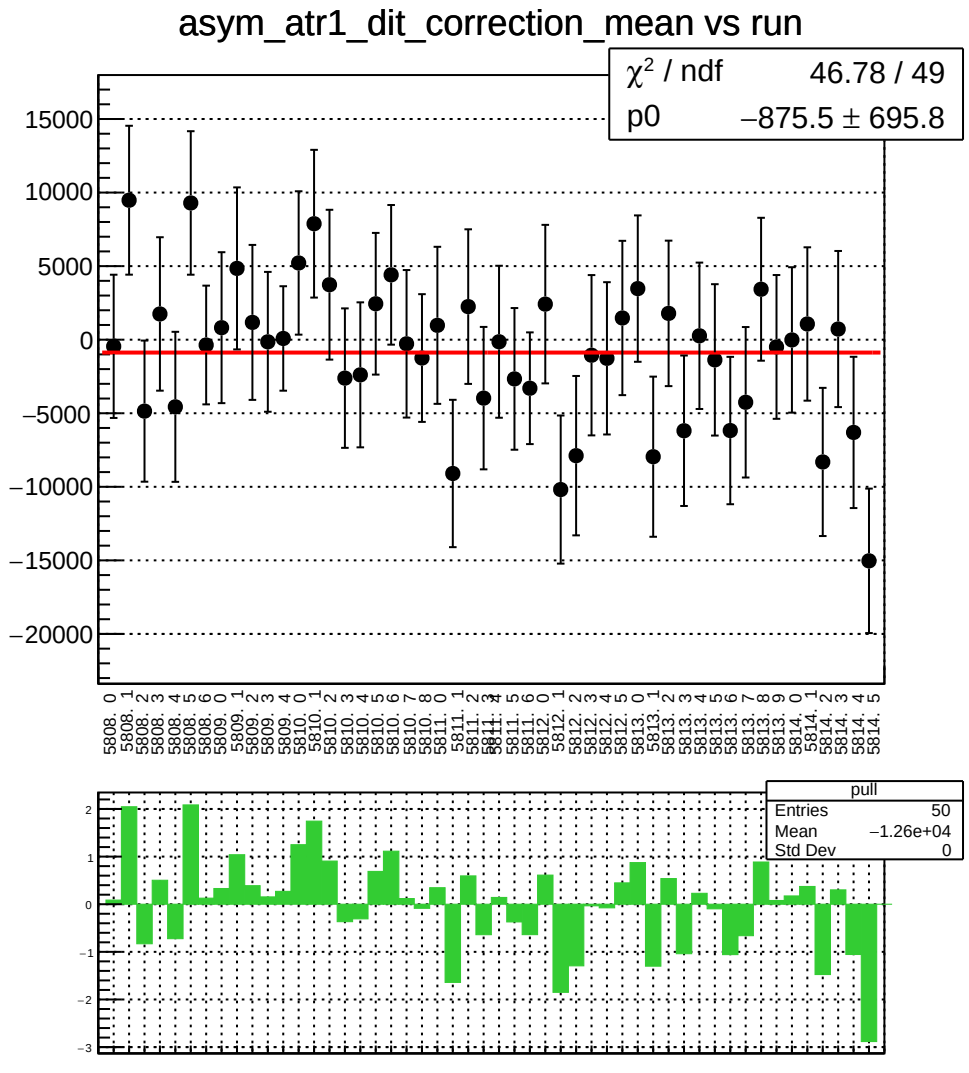
5814. 4
5814. 5


asym_atr1_dit_correction_mean vs run
χ² / ndf 46.78 / 49
p0 −875.5 ± 695.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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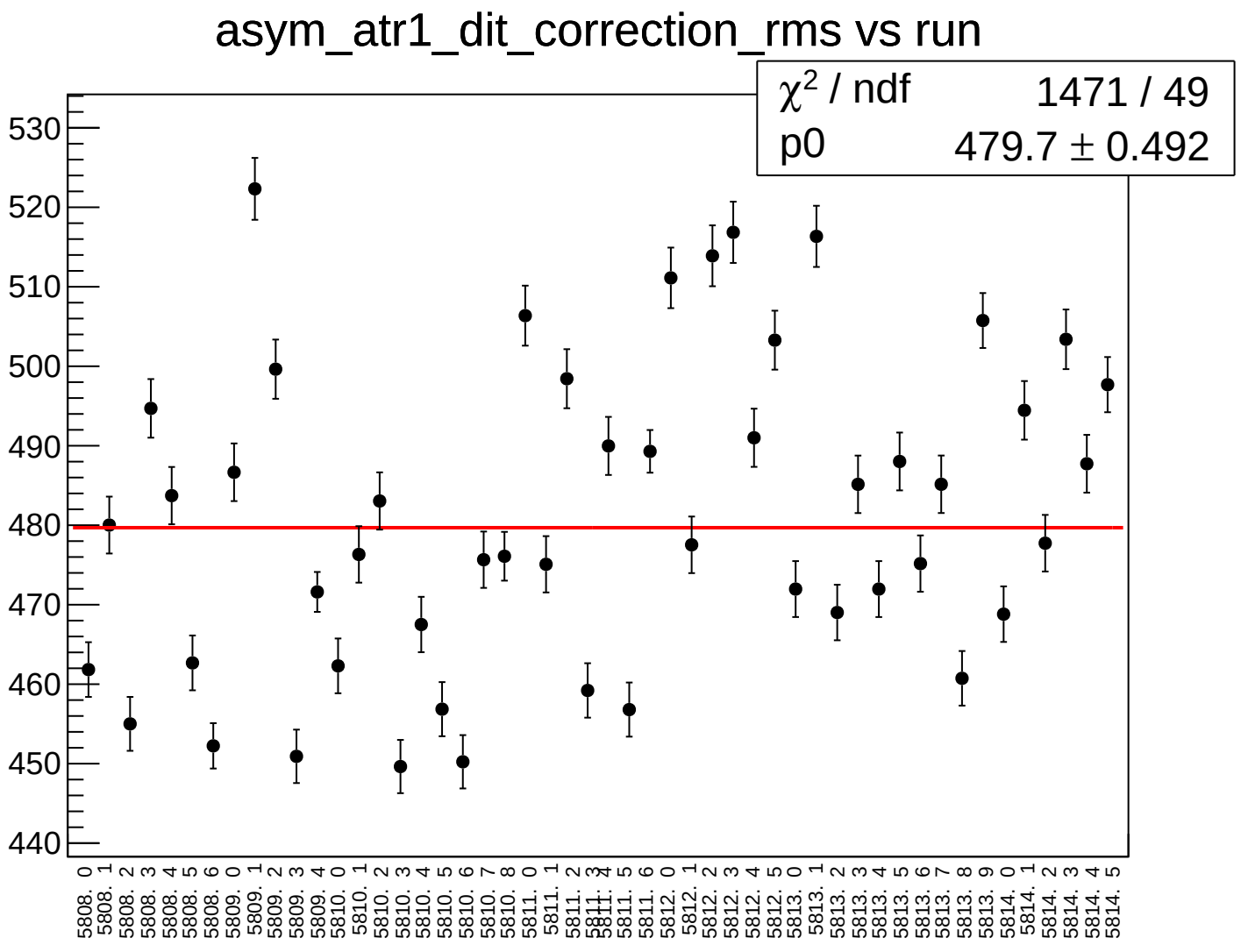
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1.26e+04
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.0004711
Std Dev 0.9672
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 1471 / 49
p0 479.7 ± 0.492
530
520
510
500
490
480
470
460
450
440
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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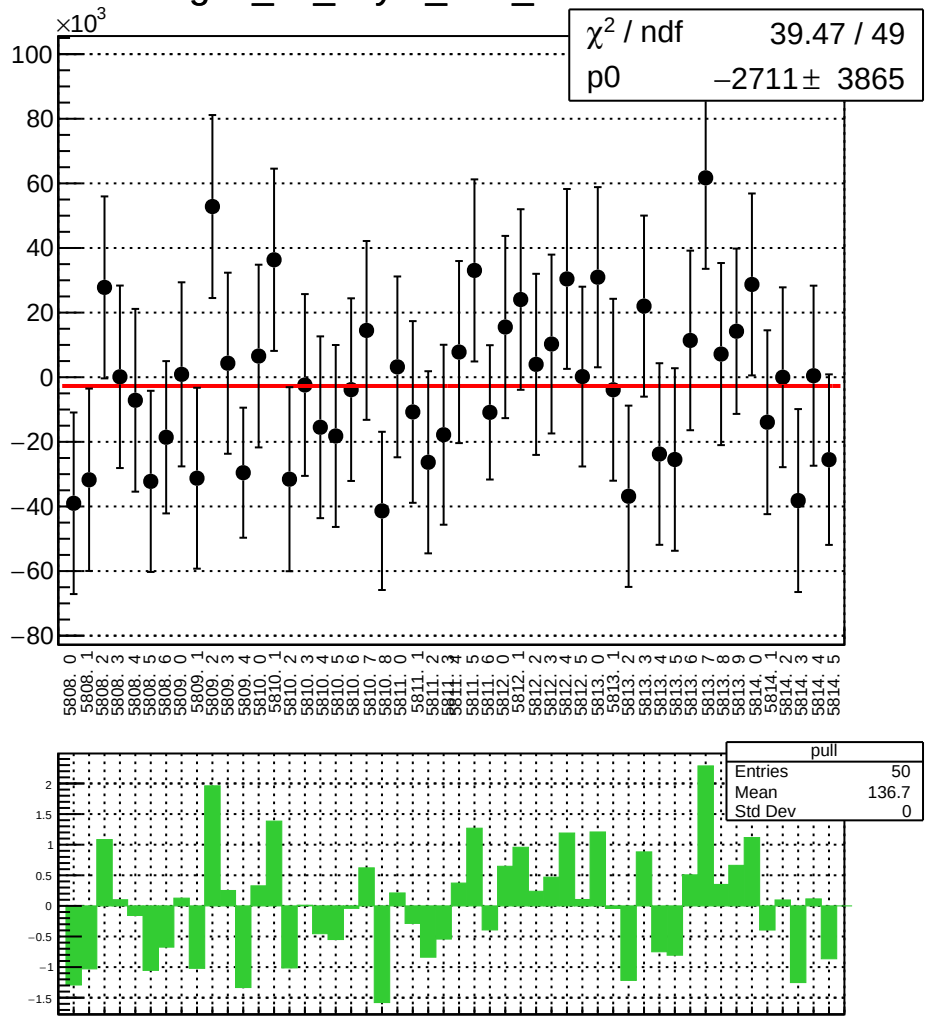
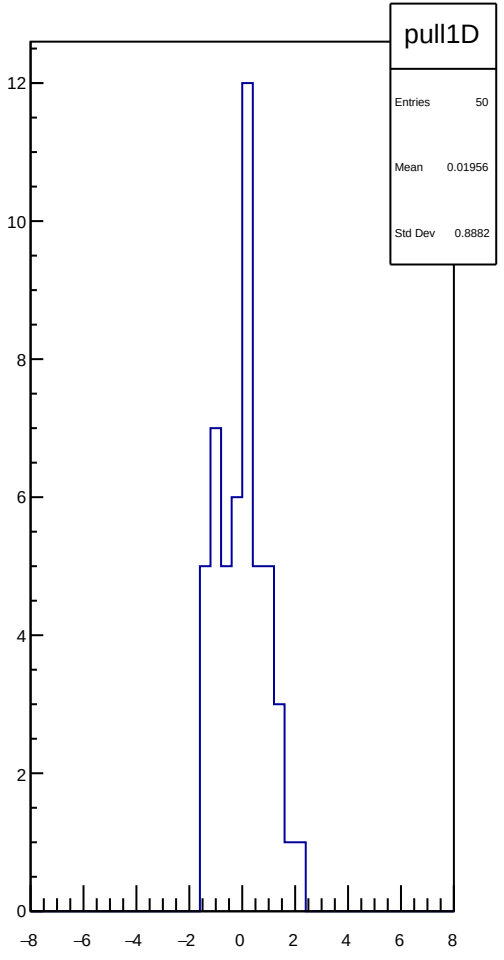
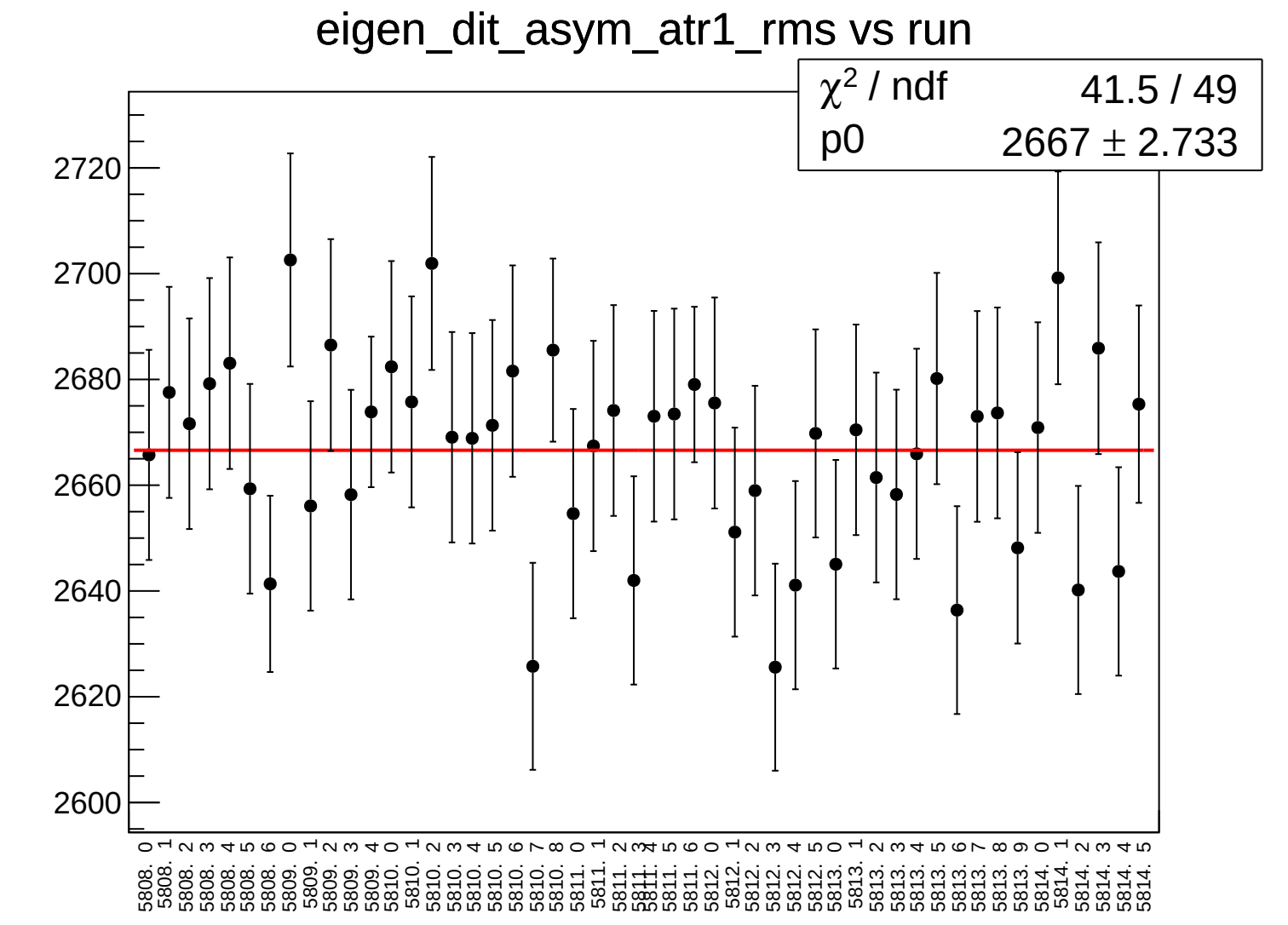
5814. 5


eigen_dit_asym_atr1_mean vs run
×10^3
χ² / ndf 39.47 / 49
p0 −2711 ± 3865
pull
Entries 50
Mean 136.7
Std Dev 0


pull1D
Entries 50
Mean 0.01956
Std Dev 0.8882


eigen_dit_asym_atr1_rms vs run
χ² / ndf 41.5 / 49
p0 2667 ± 2.733
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 5
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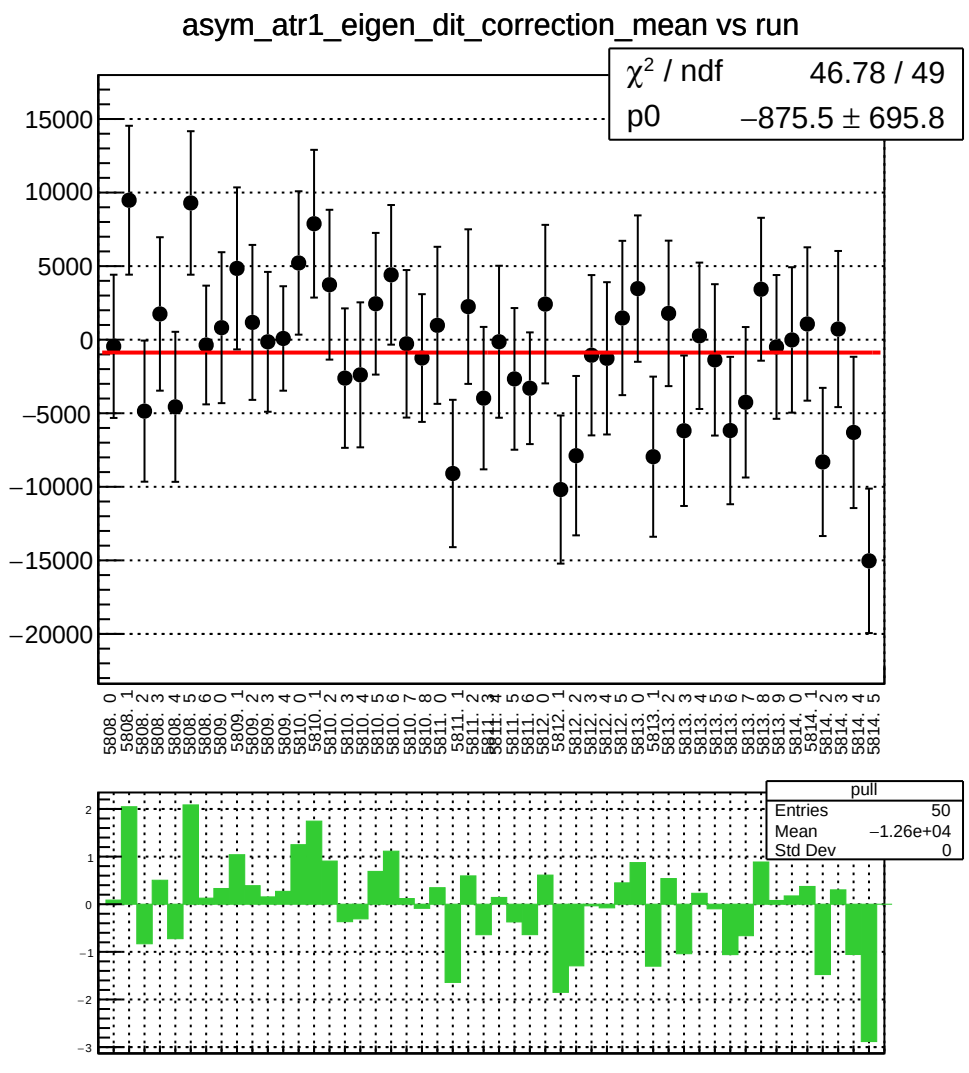
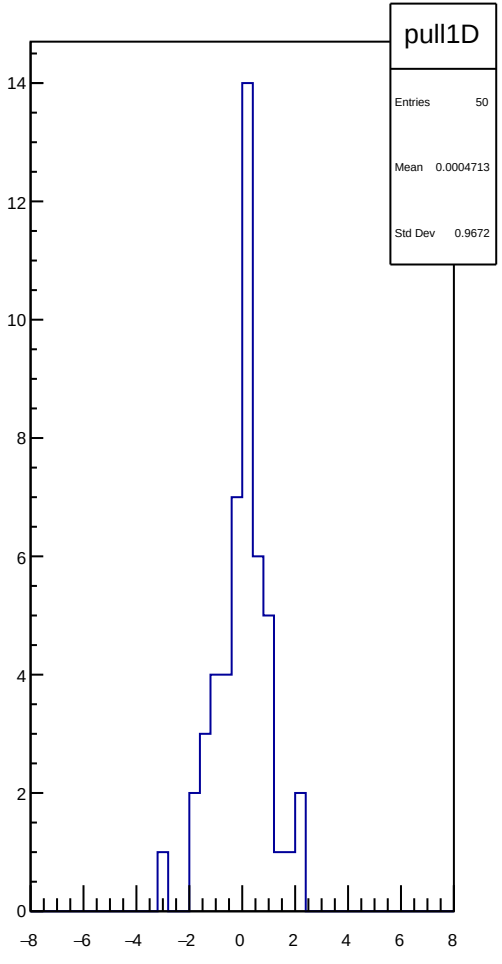
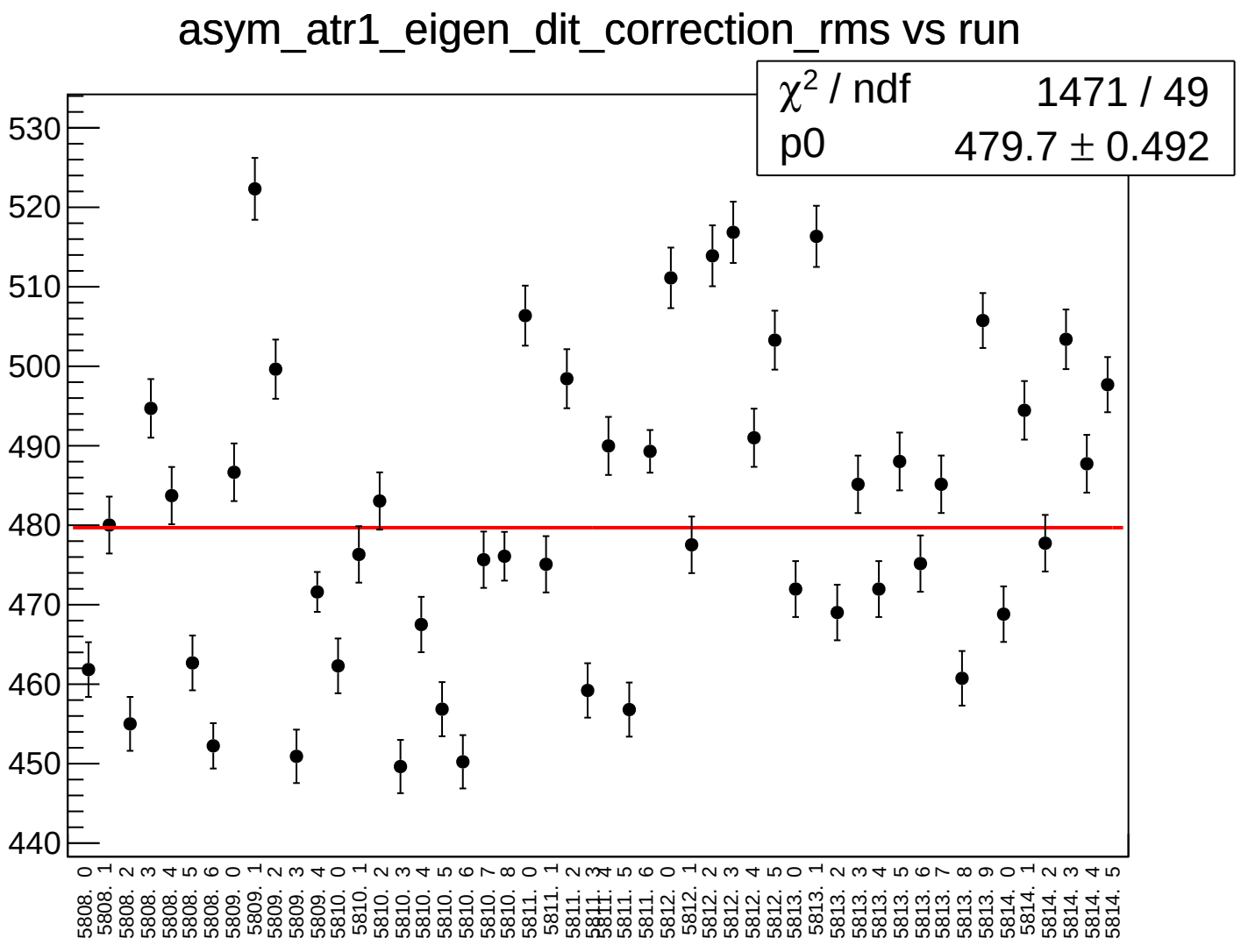
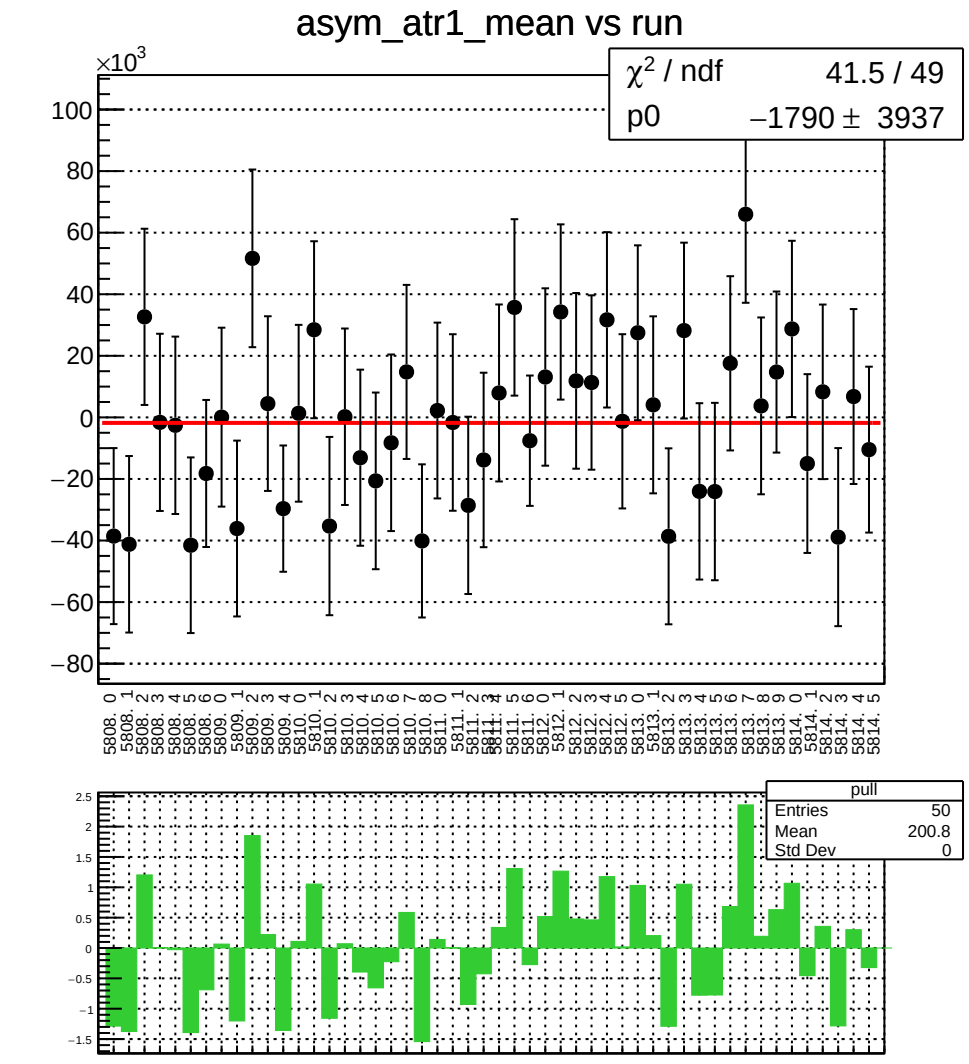
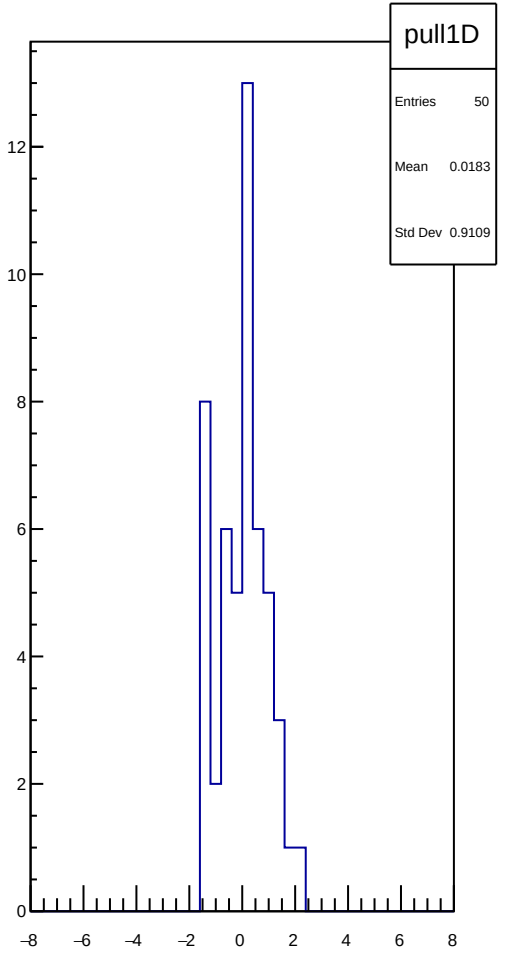
5814. 4
5814. 5

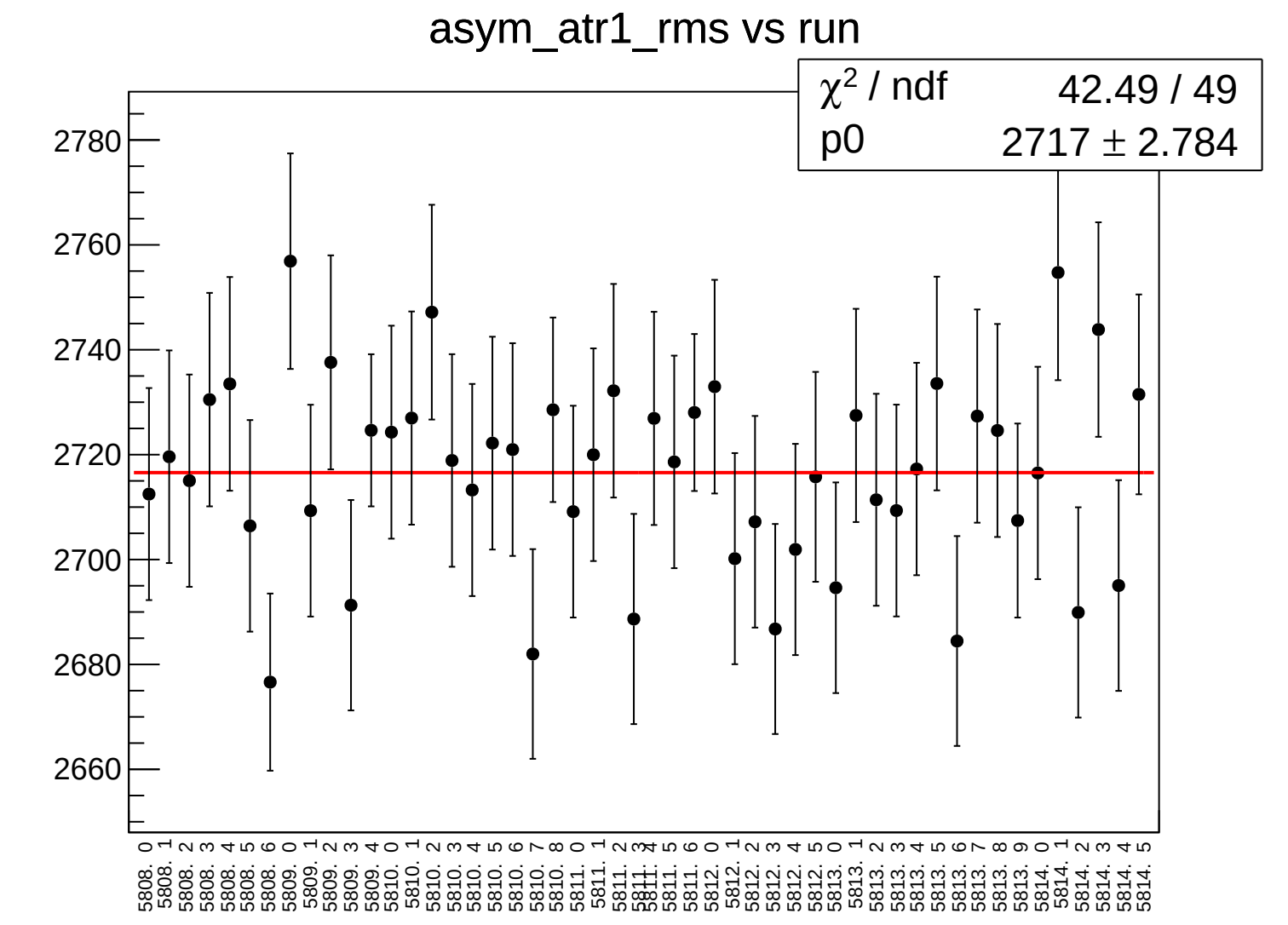

asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 46.78 / 49
p0 −875.5 ± 695.8
pull
Entries 50
Mean −1.26e+04
Std Dev 0

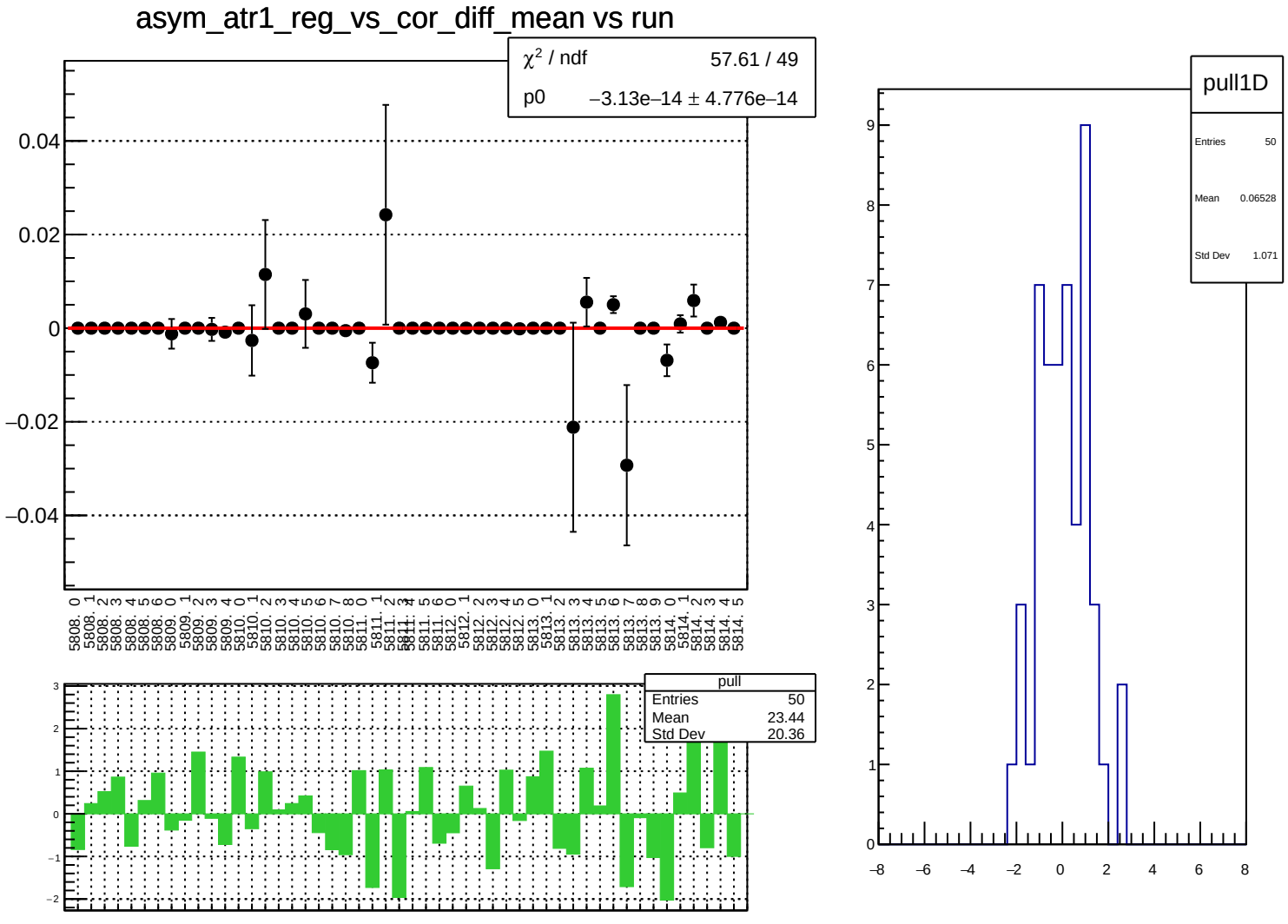

pull1D
Entries 50
Mean 0.0004713
Std Dev 0.9672

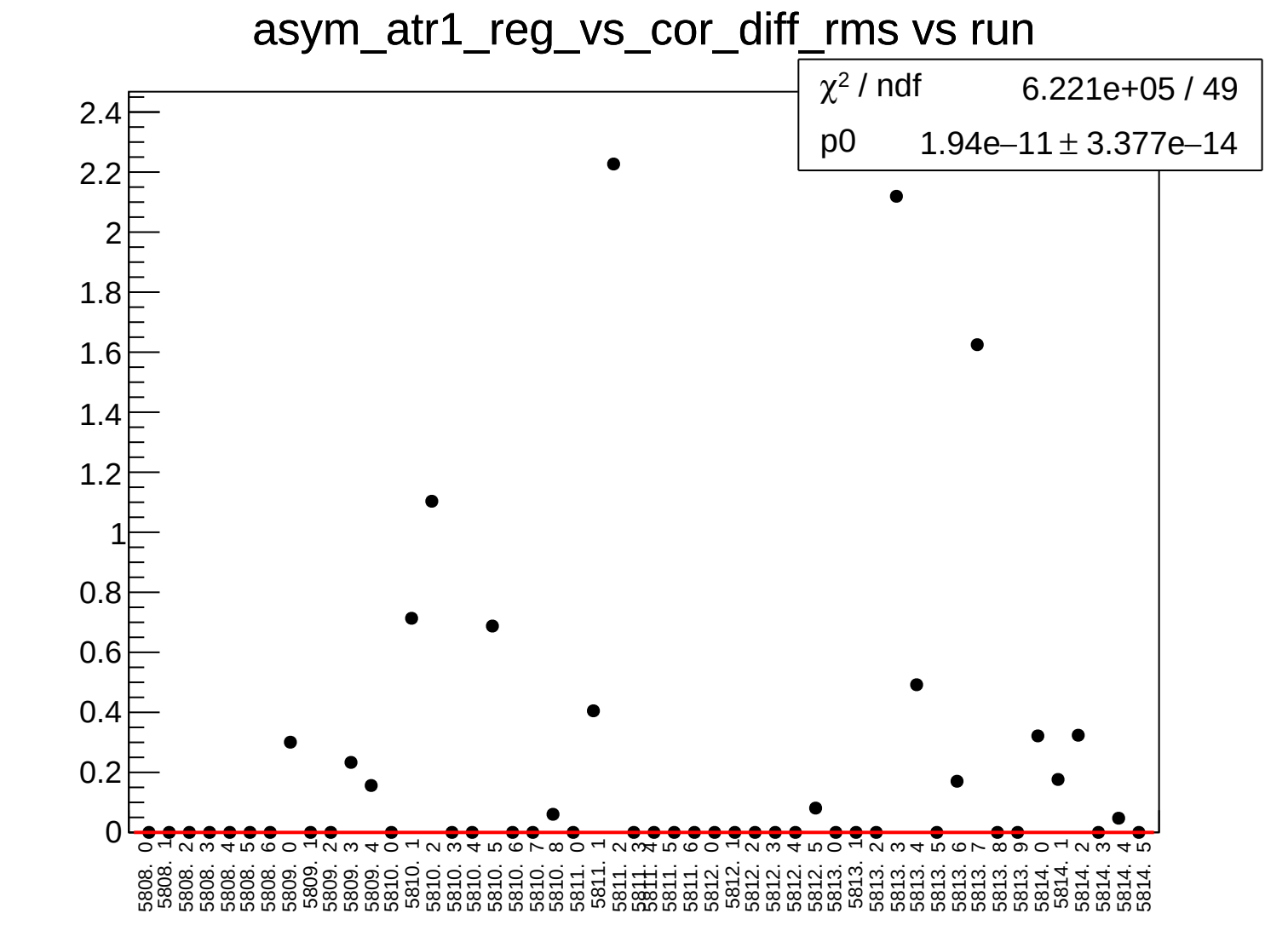

asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 1471 / 49
p0 479.7 ± 0.492
530
520
510
500
490
480
470
460
450
440
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

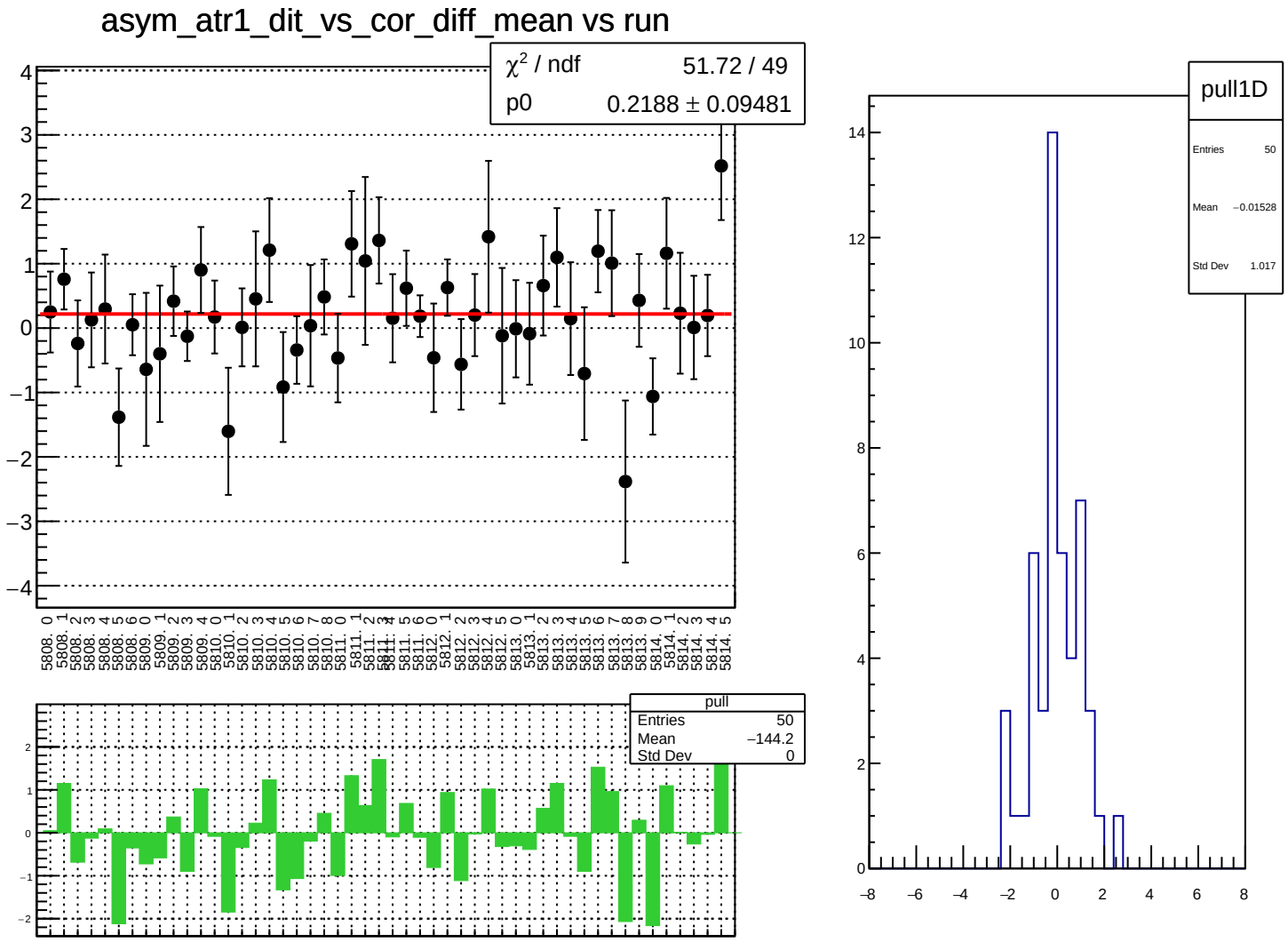

asym_atr1_mean vs run
×10^3
χ² / ndf 41.5 / 49
p0 −1790 ± 3937
pull
Entries 50
Mean 200.8
Std Dev 0

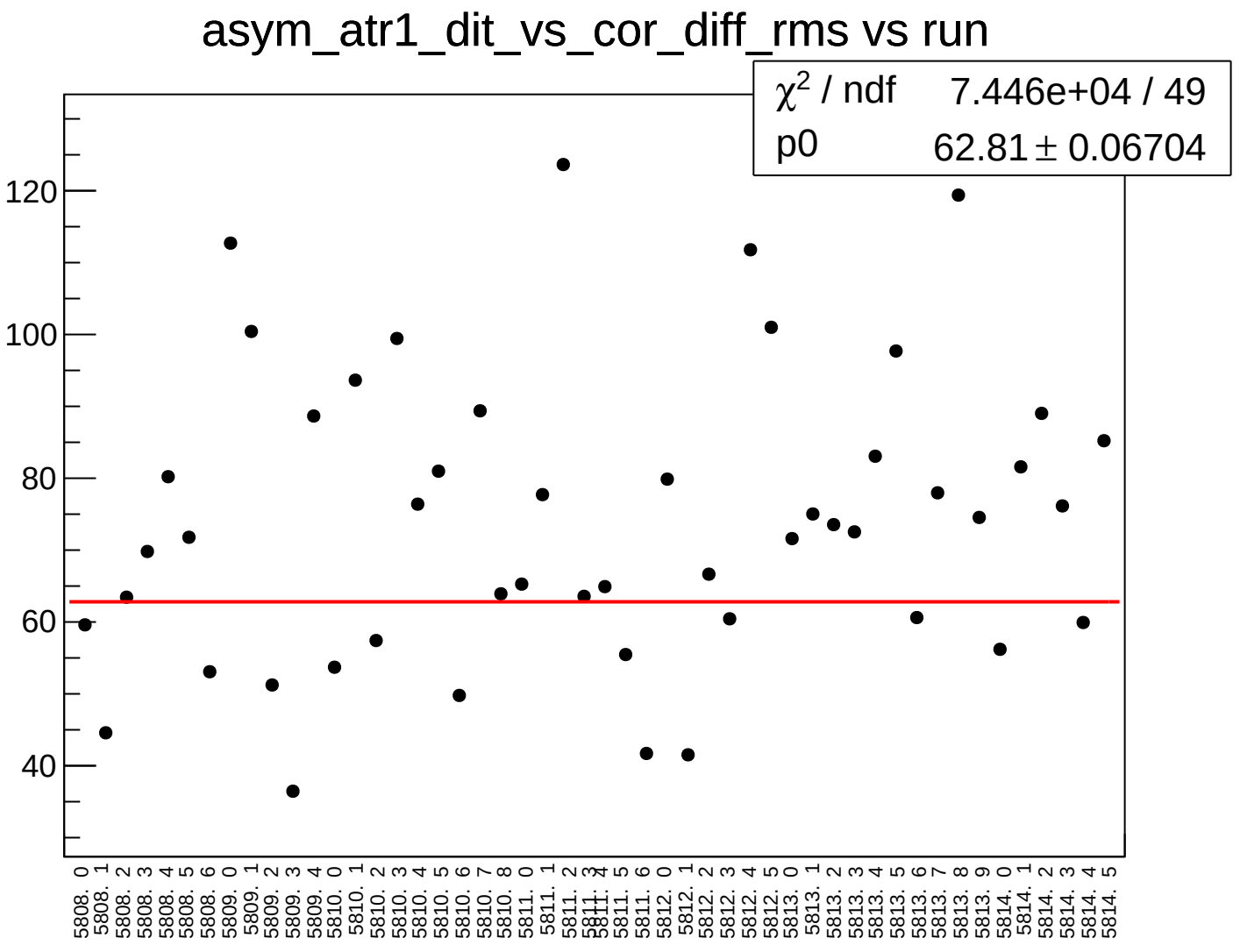

pull1D
Entries 50
Mean 0.0183
Std Dev 0.9109

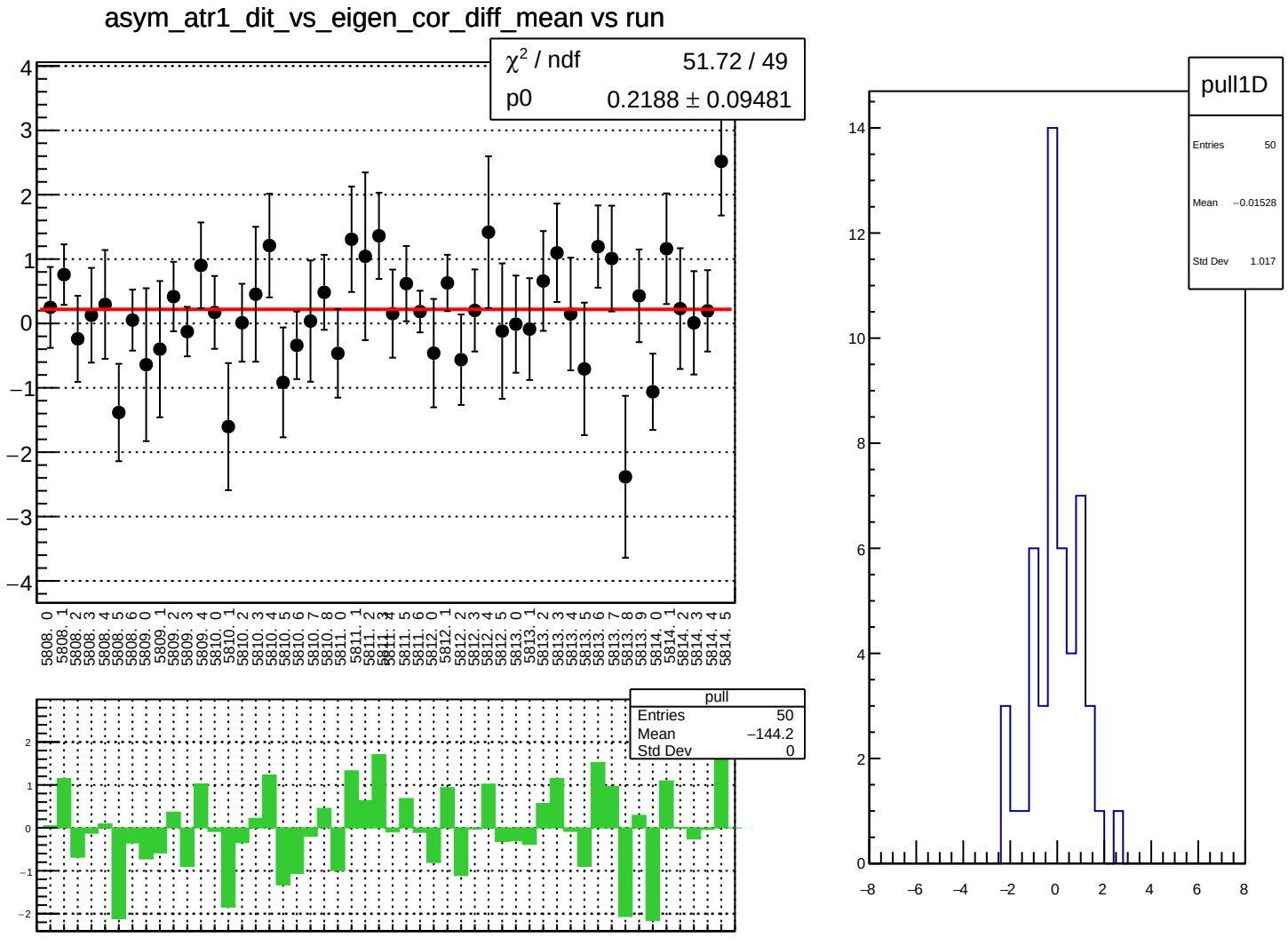

asym_atr1_rms vs run
χ² / ndf 42.49 / 49
p0 2717 ± 2.784
2780
2760
2740
2720
2700
2680
2660
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

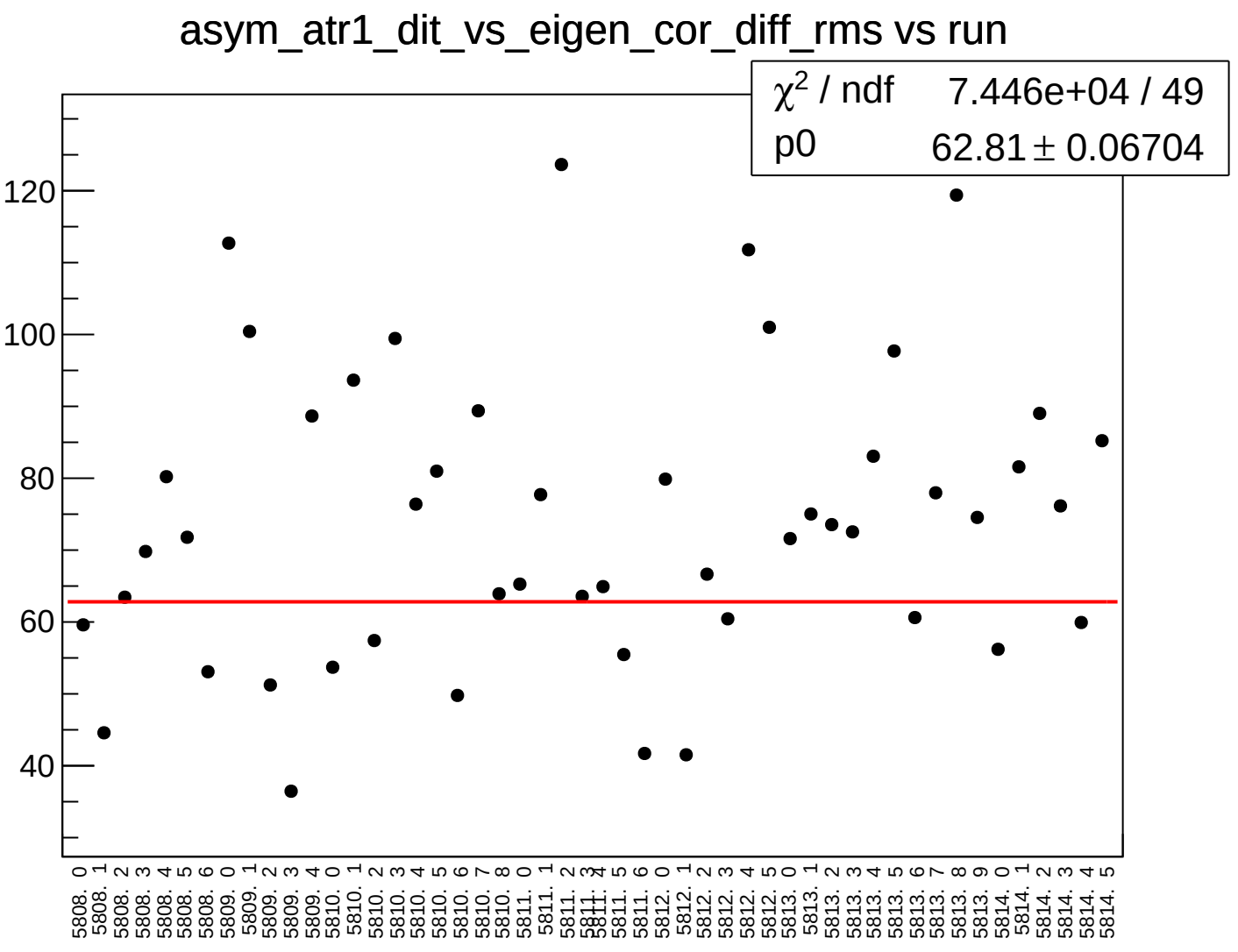

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 57.61 / 49
p0 −3.13e−14 ± 4.776e−14
0.04
0.02
0
−0.02
−0.04
pull
Entries 50
Mean 23.44
Std Dev 20.36
pull1D
Entries 50
Mean 0.06528
Std Dev 1.071

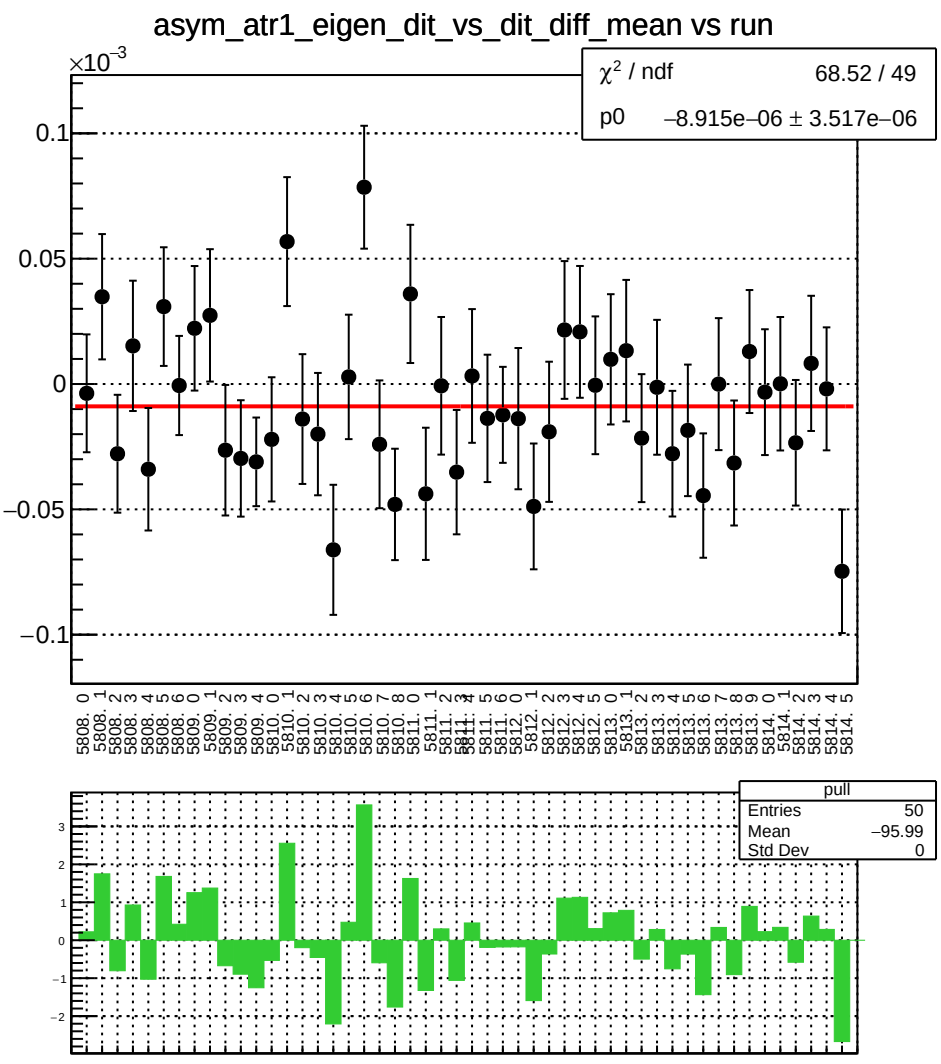

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 6.221e+05 / 49
p0 1.94e−11 ± 3.377e−14
2.4
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

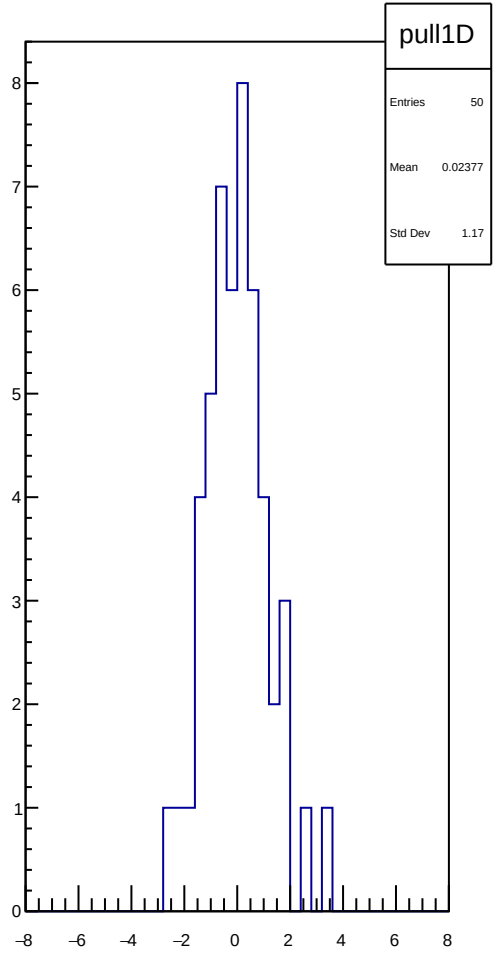

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 51.72 / 49
p0 0.2188 ± 0.09481
pull
Entries 50
Mean −144.2
Std Dev 0
pull1D
Entries 50
Mean −0.01528
Std Dev 1.017

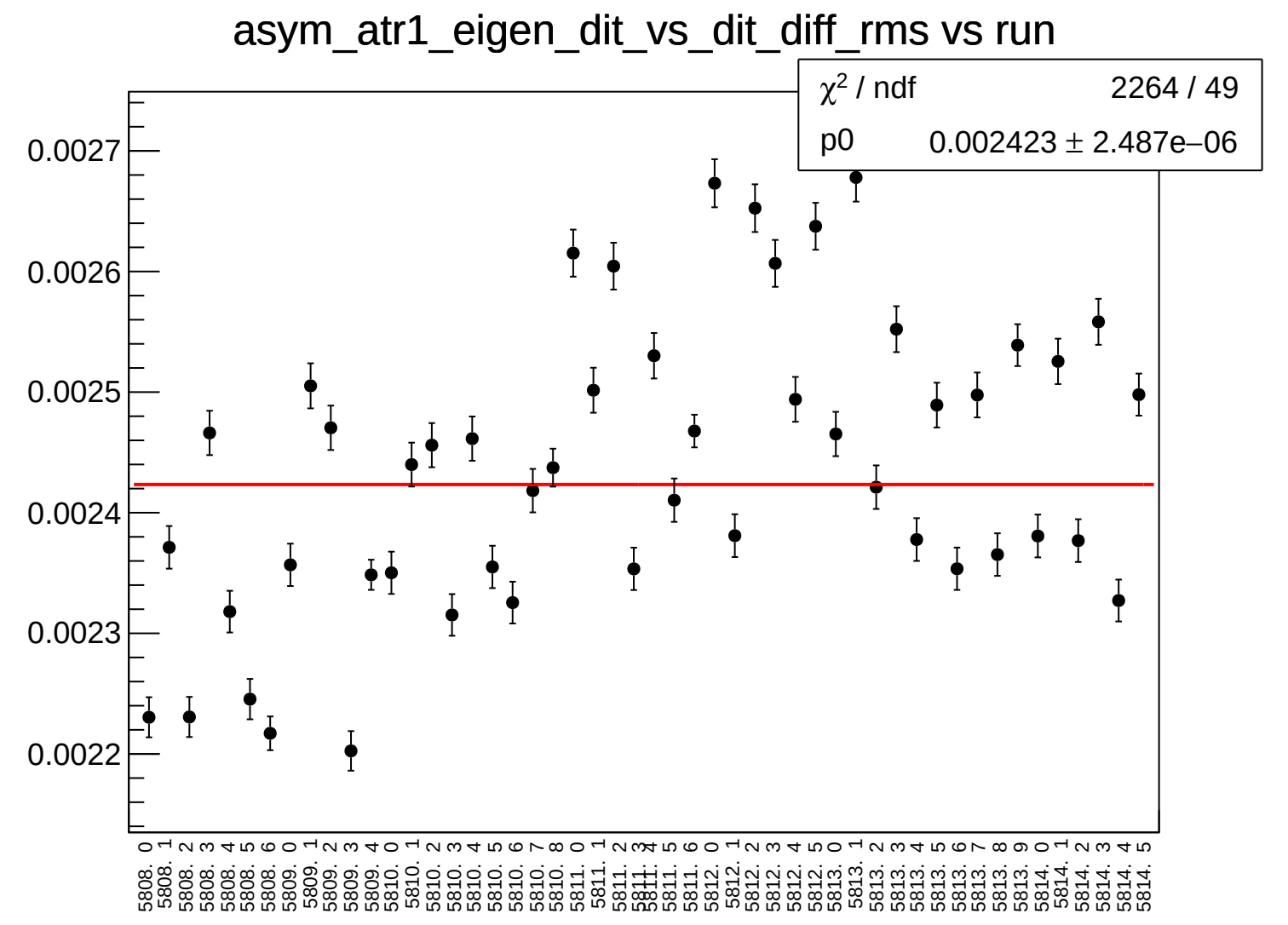

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.446e+04 / 49
p0 62.81 ± 0.06704
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

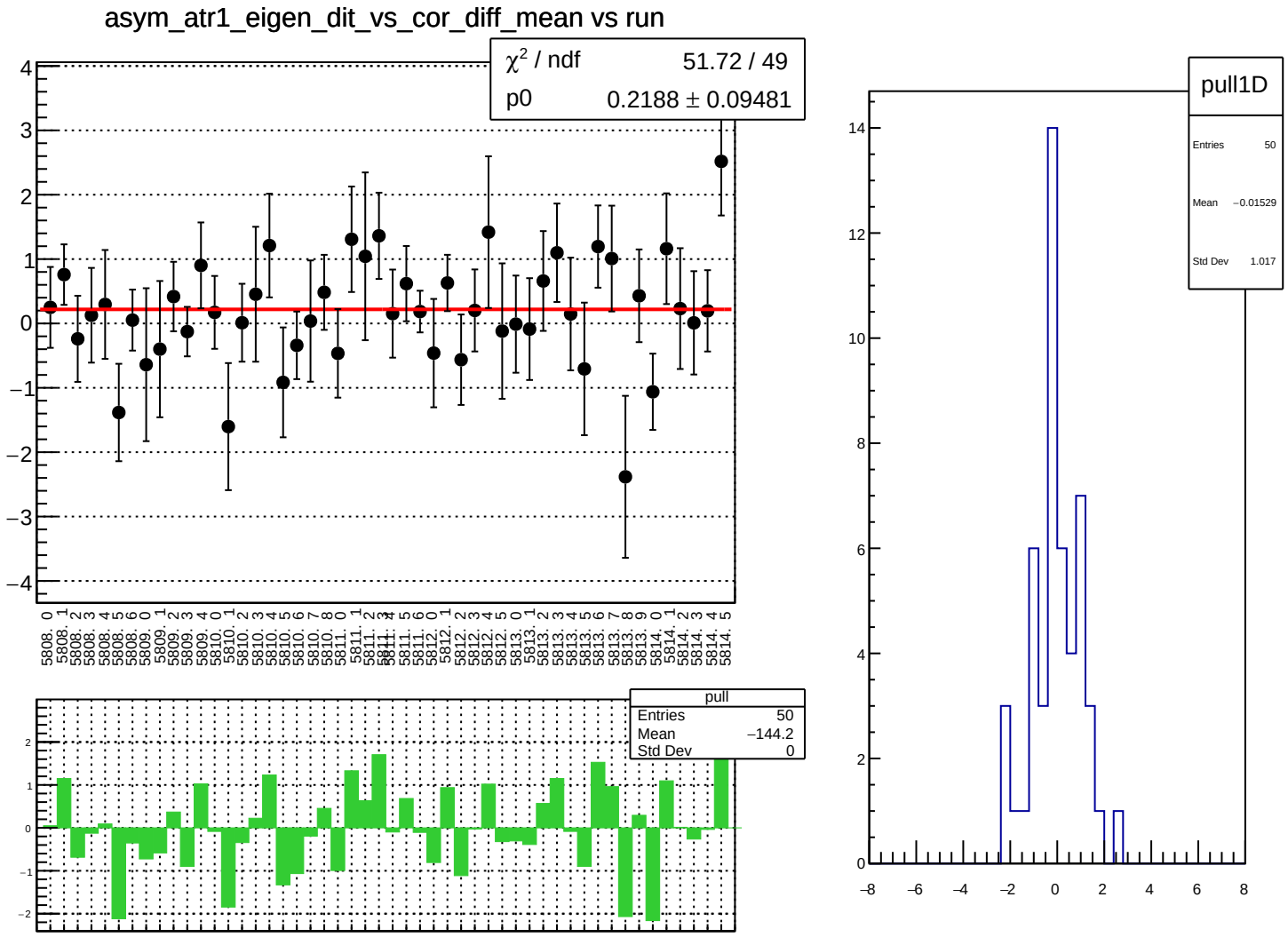

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.72 / 49
p0 0.2188 ± 0.09481
pull
Entries 50
Mean −144.2
Std Dev 0
pull1D
Entries 50
Mean −0.01528
Std Dev 1.017

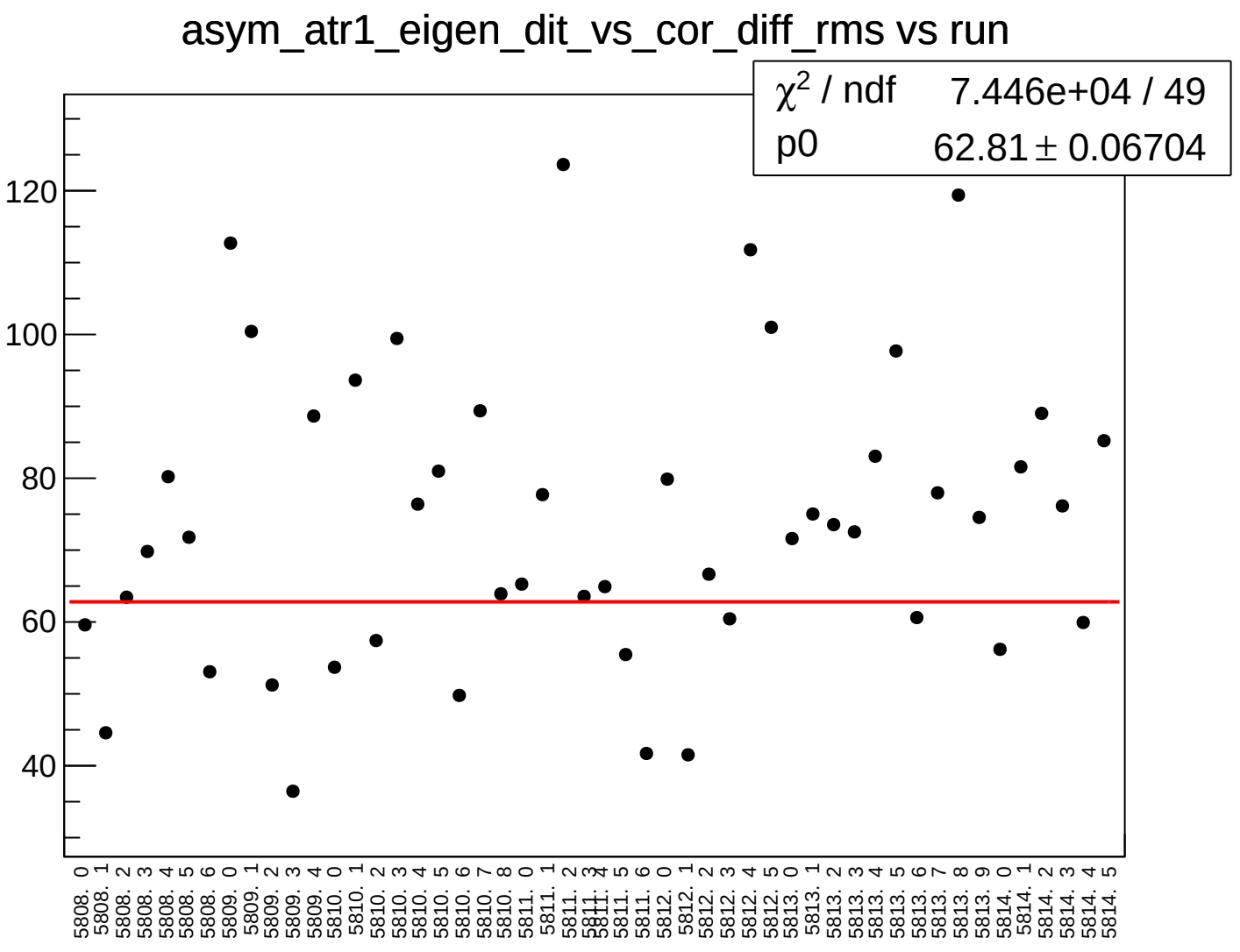

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.446e+04 / 49
p0 62.81 ± 0.06704
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

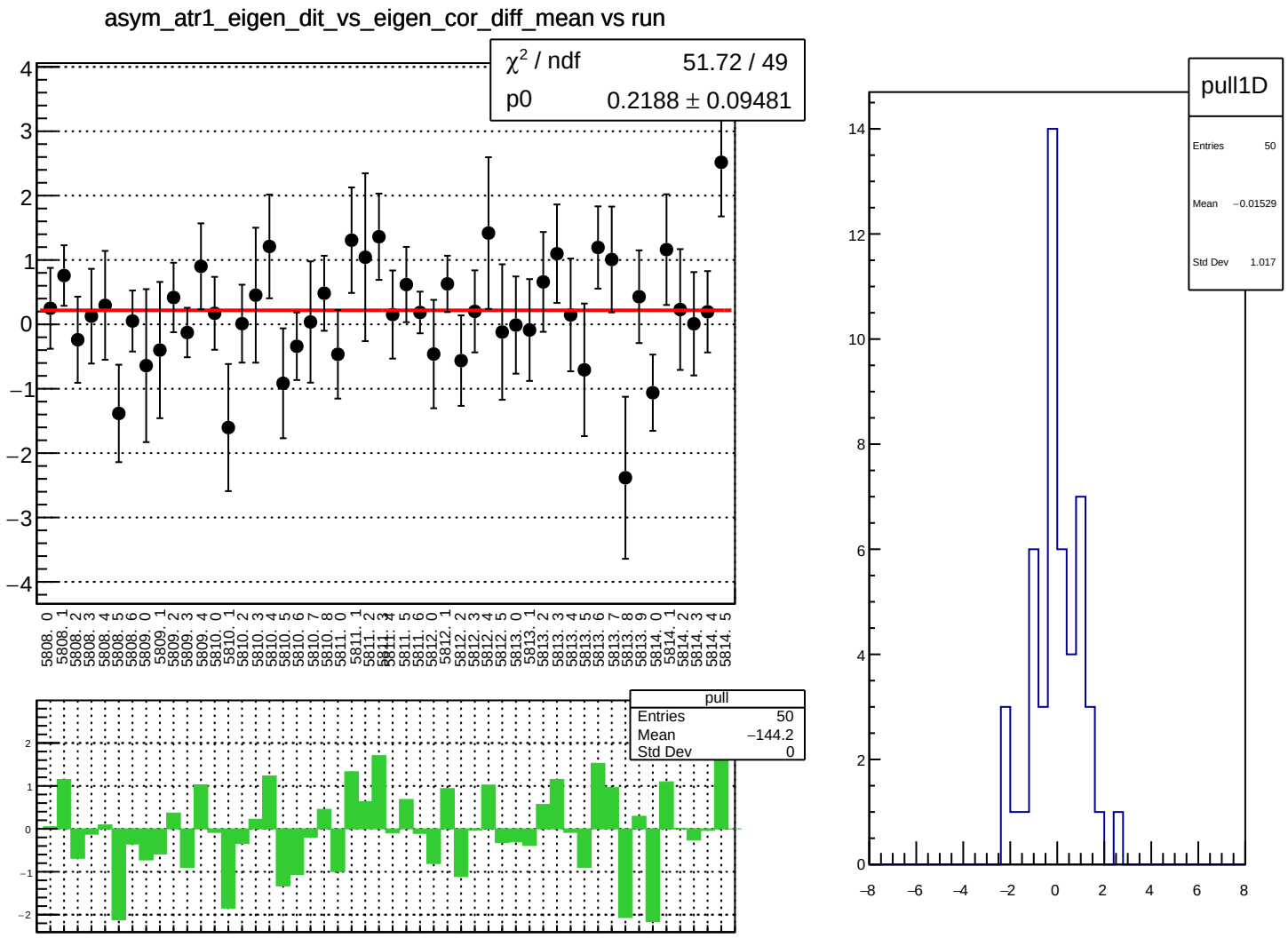

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 68.52 / 49
p0 −8.915e−06 ± 3.517e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 50
Mean −95.99
Std Dev 0

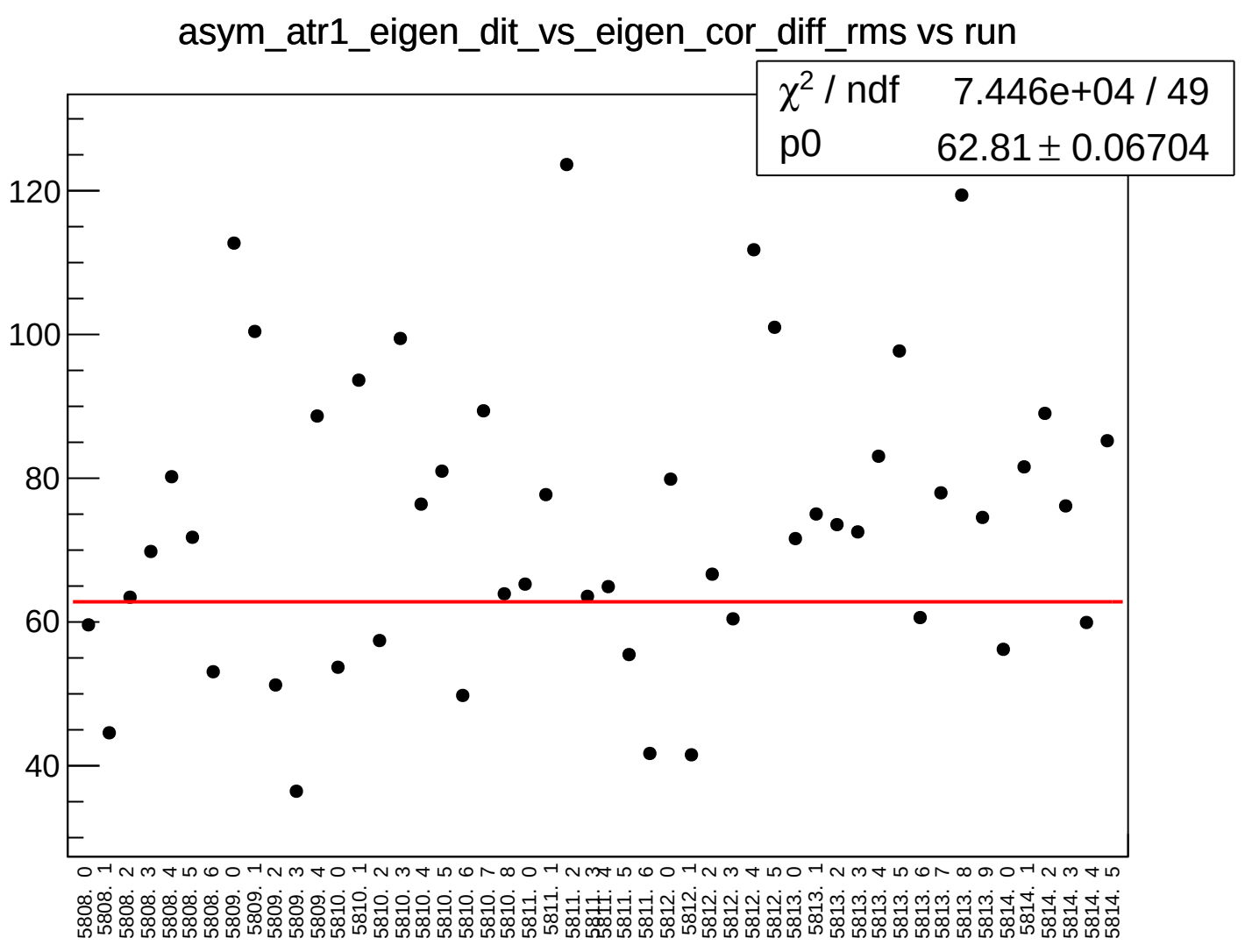

pull1D
Entries 50
Mean 0.02377
Std Dev 1.17

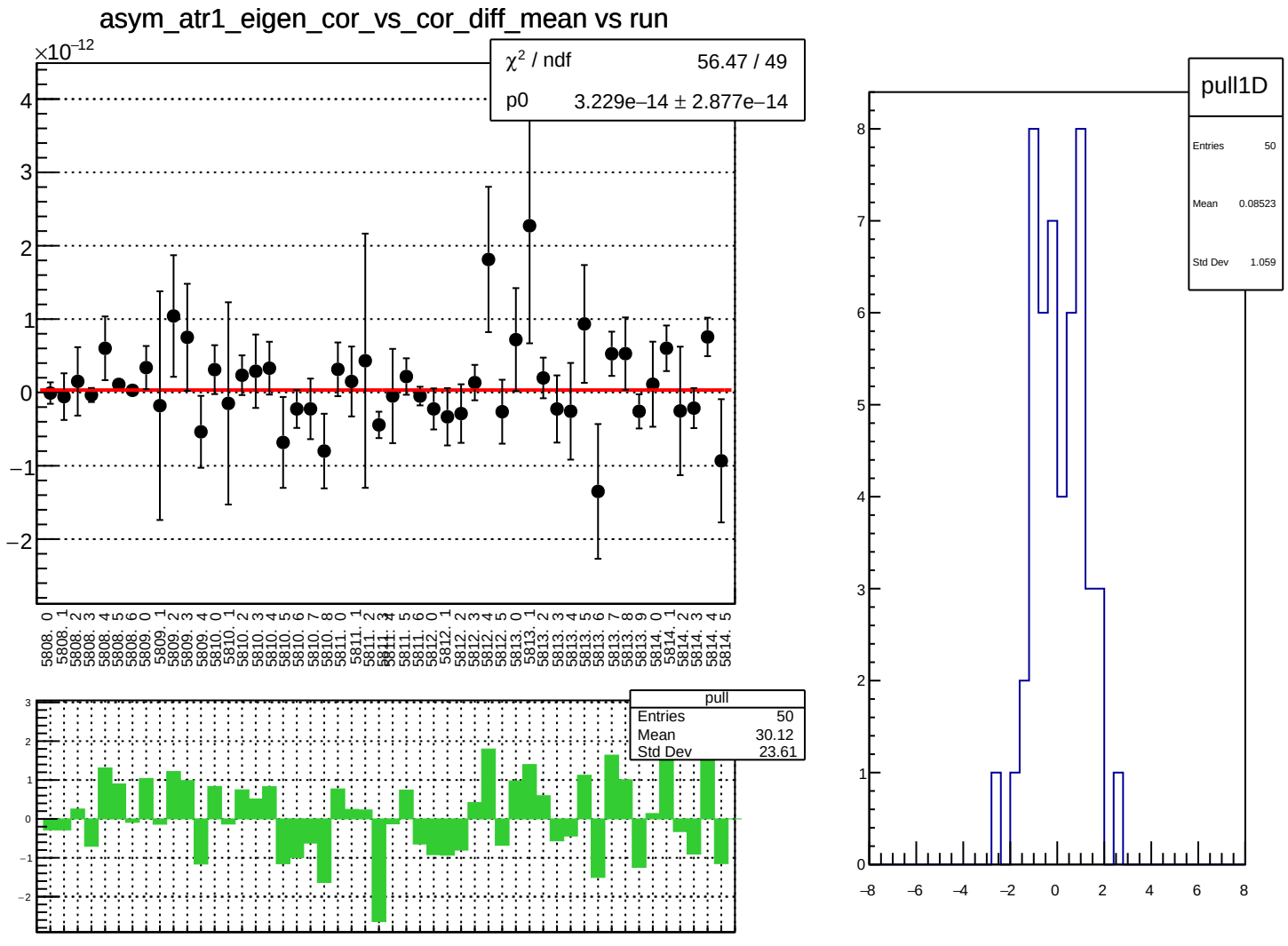

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2264 / 49
p0 0.002423 ± 2.487e−06
0.0027
0.0026
0.0025
0.0024
0.0023
0.0022
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

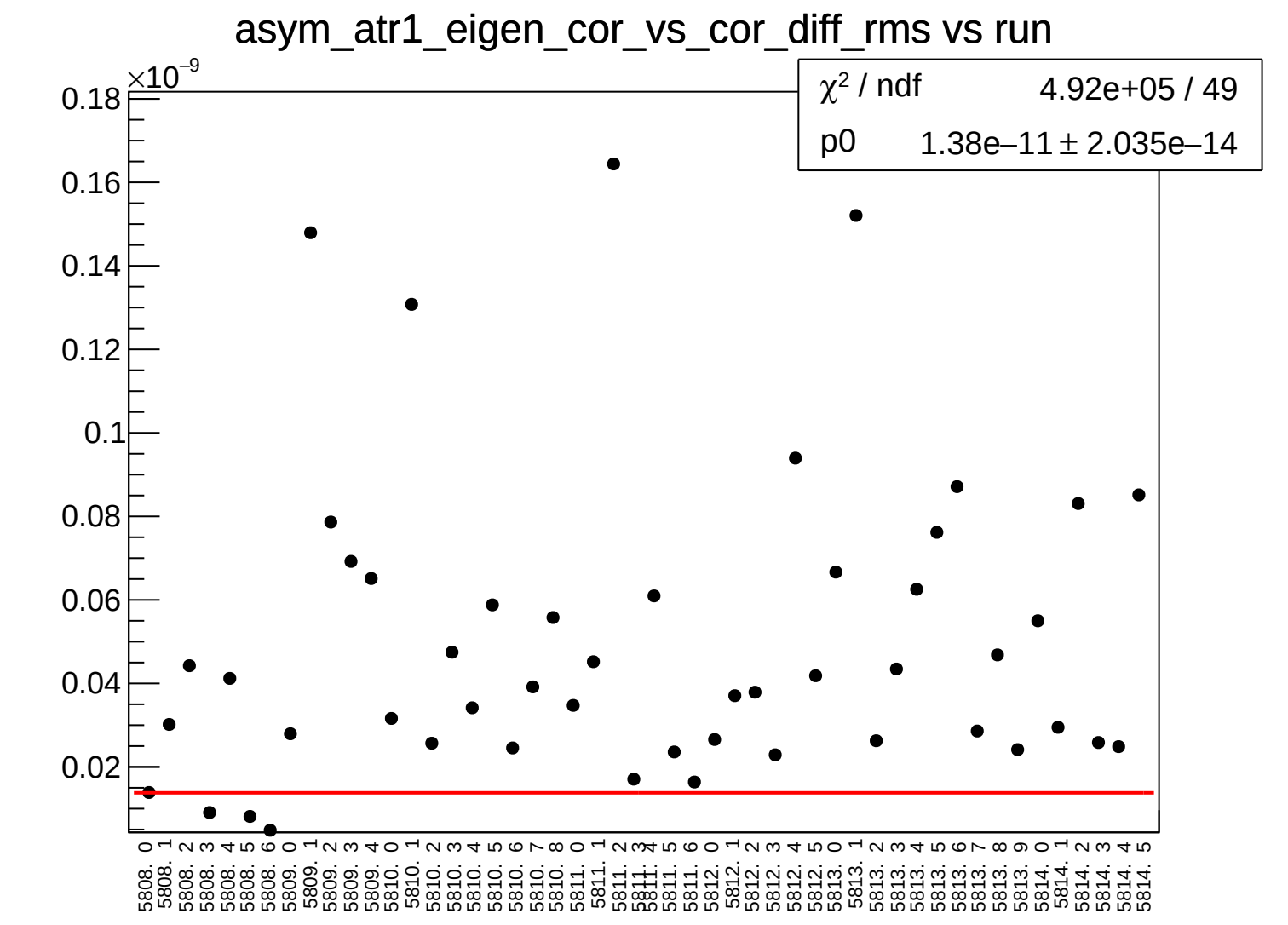

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.72 / 49
p0 0.2188 ± 0.09481
pull
Entries 50
Mean −144.2
Std Dev 0
pull1D
Entries 50
Mean −0.01529
Std Dev 1.017

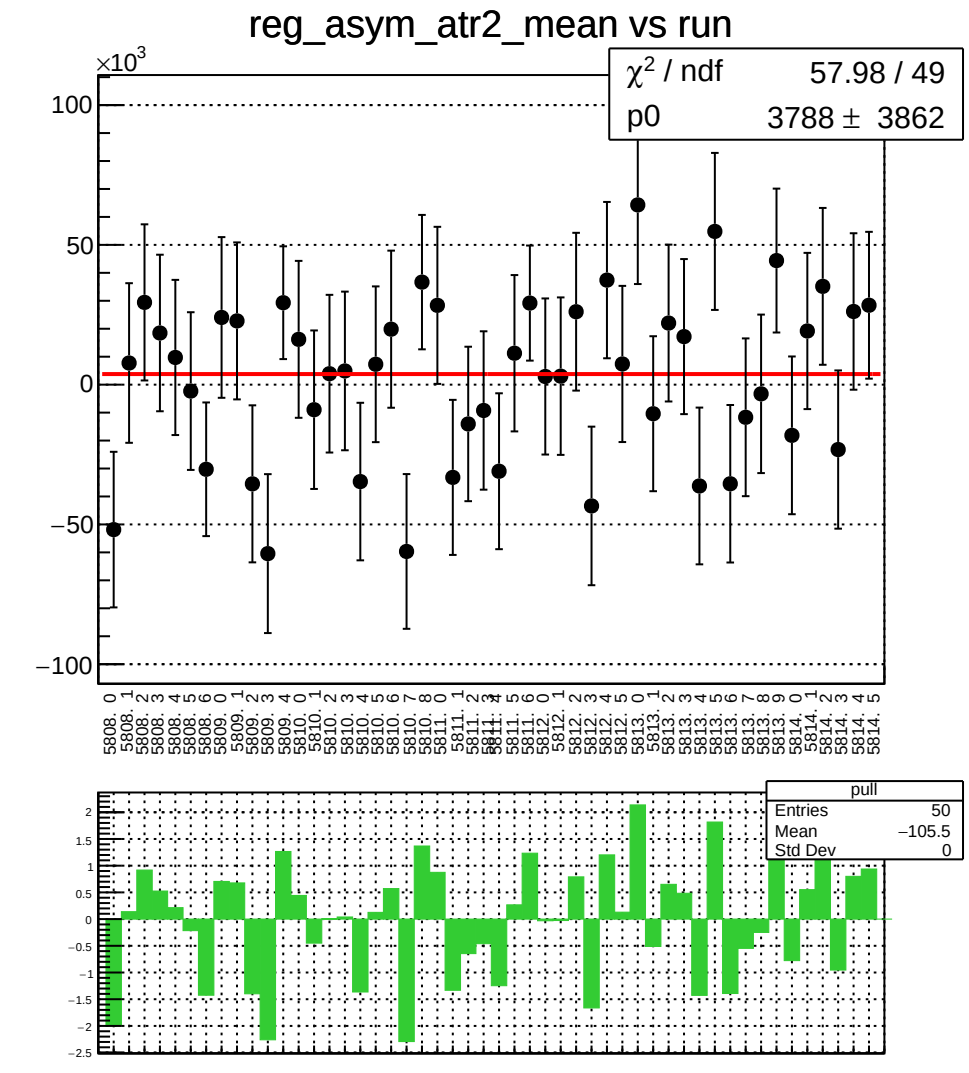

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.446e+04 / 49
p0 62.81 ± 0.06704
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

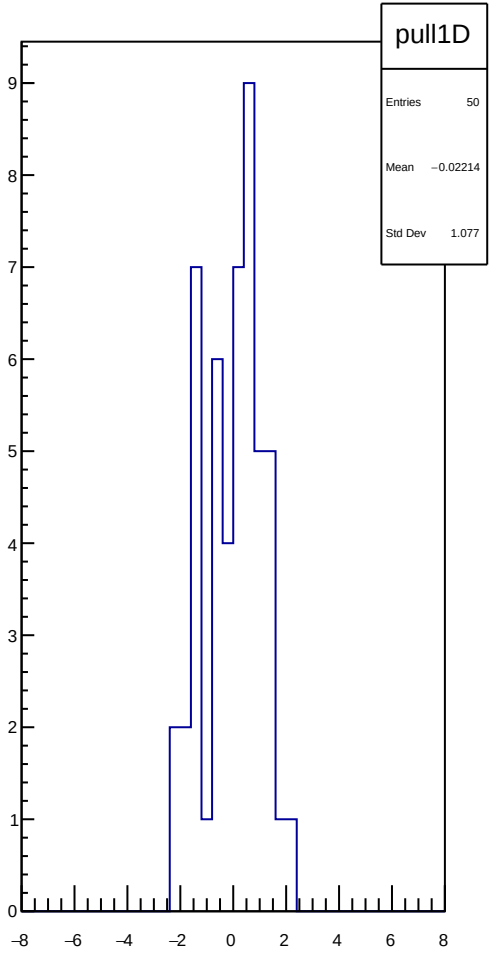

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.72 / 49
p0 0.2188 ± 0.09481
pull
Entries 50
Mean −144.2
Std Dev 0
pull1D
Entries 50
Mean −0.01529
Std Dev 1.017

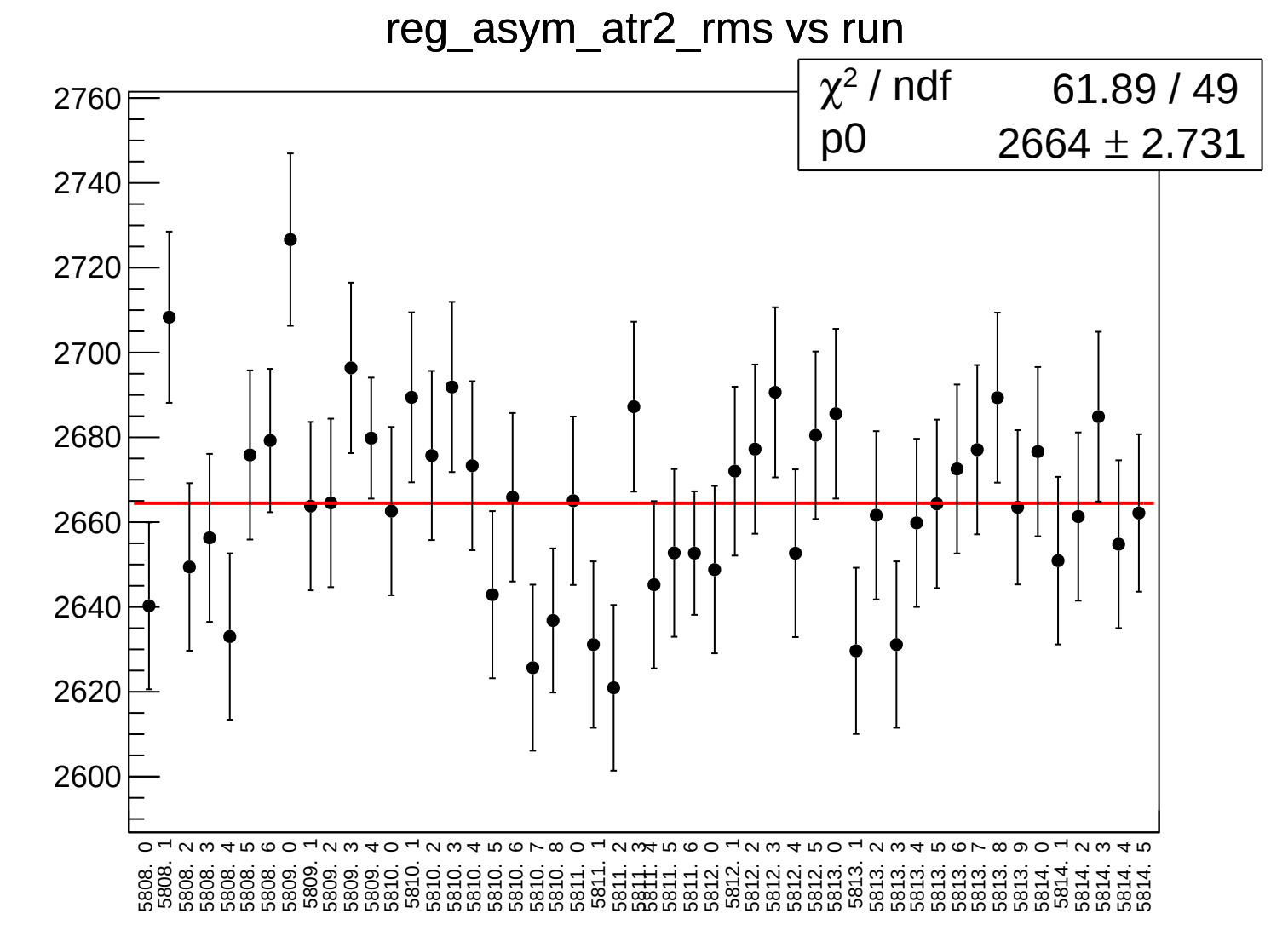

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.446e+04 / 49
p0 62.81 ± 0.06704
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 56.47 / 49
p0 3.229e−14 ± 2.877e−14
pull
Entries 50
Mean 30.12
Std Dev 23.61
pull1D
Entries 50
Mean 0.08523
Std Dev 1.059


asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.92e+05 / 49
p0 1.38e−11 ± 2.035e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atr2_mean vs run
×10^3
χ² / ndf 57.98 / 49
p0 3788 ± 3862
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −105.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 50
Mean −0.02214
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr2_rms vs run
χ² / ndf 61.89 / 49
p0 2664 ± 2.731
2760
2740
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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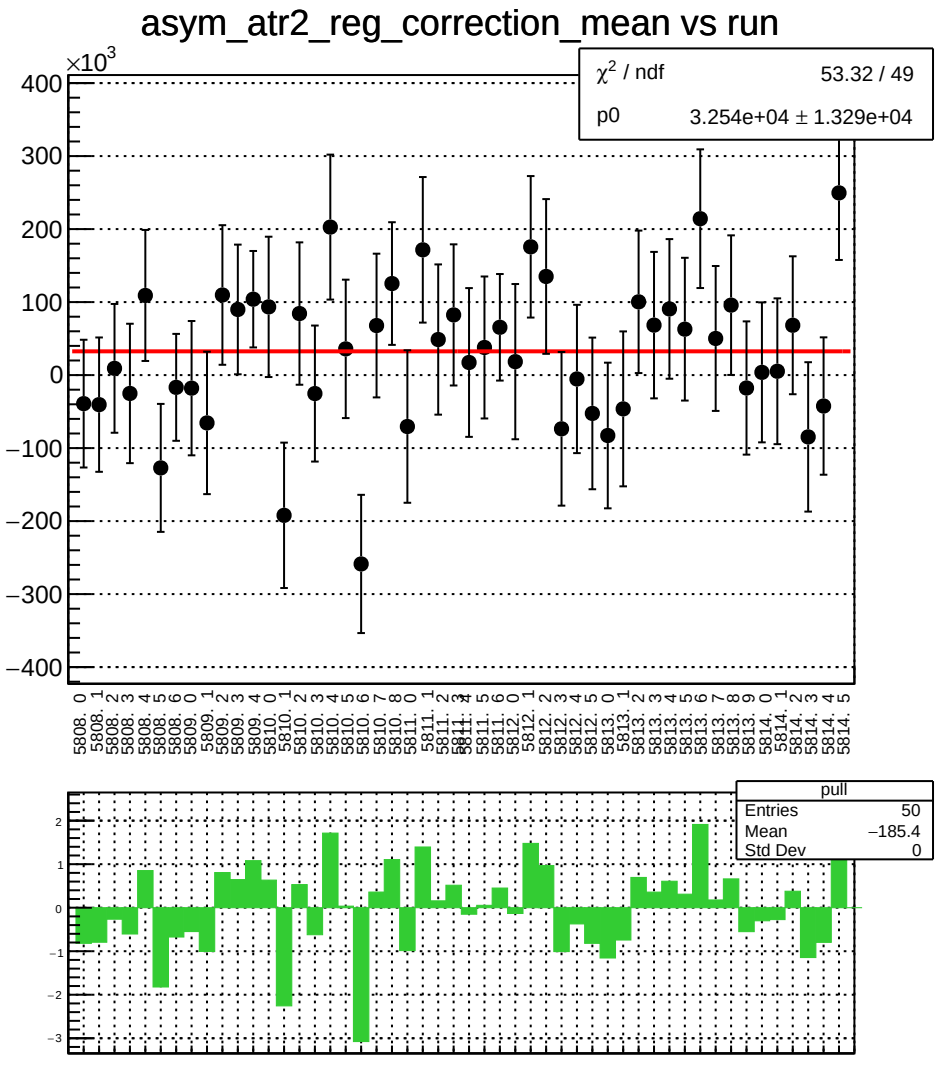
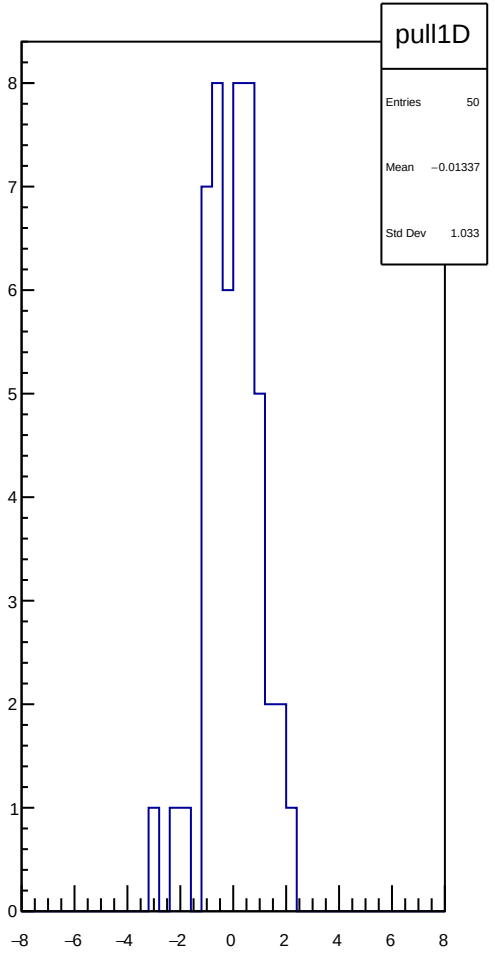
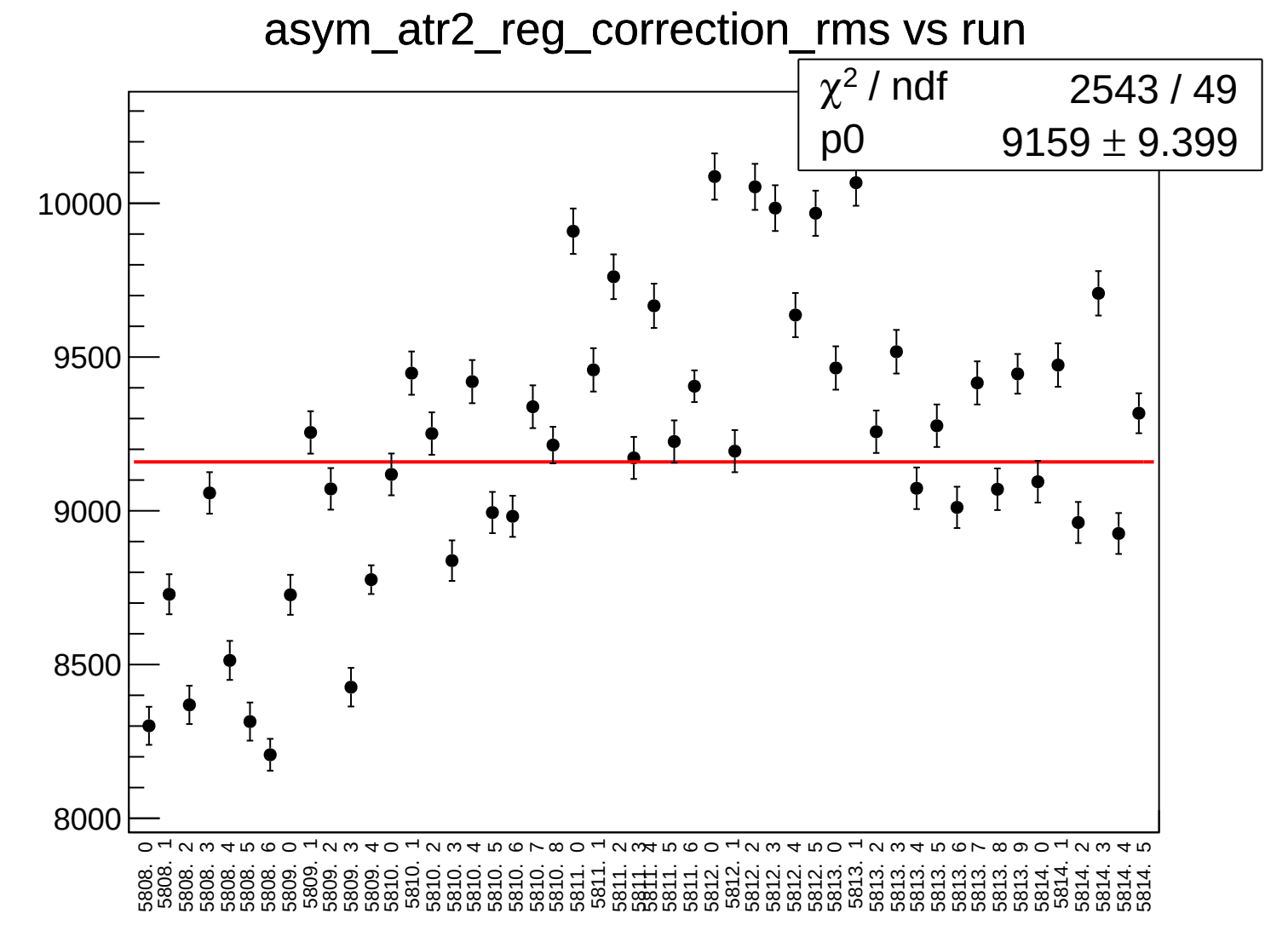
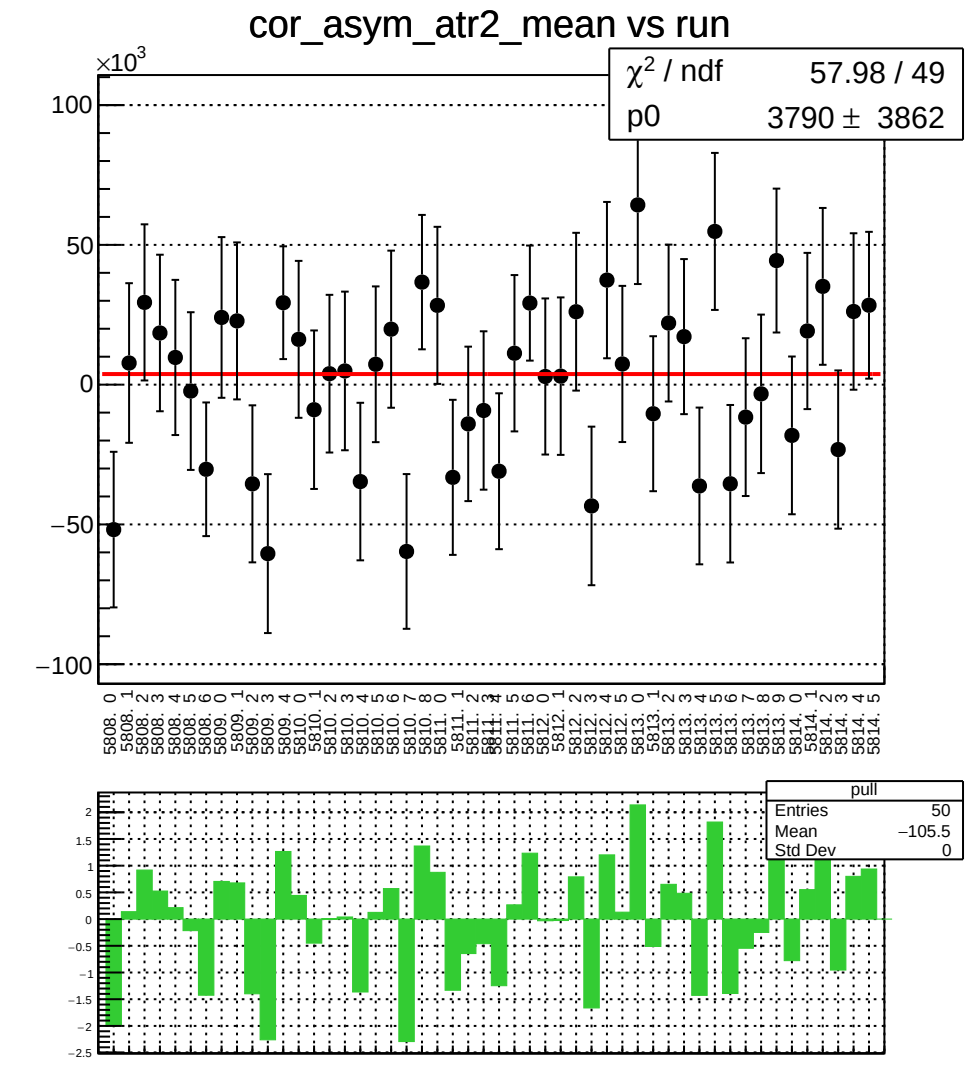
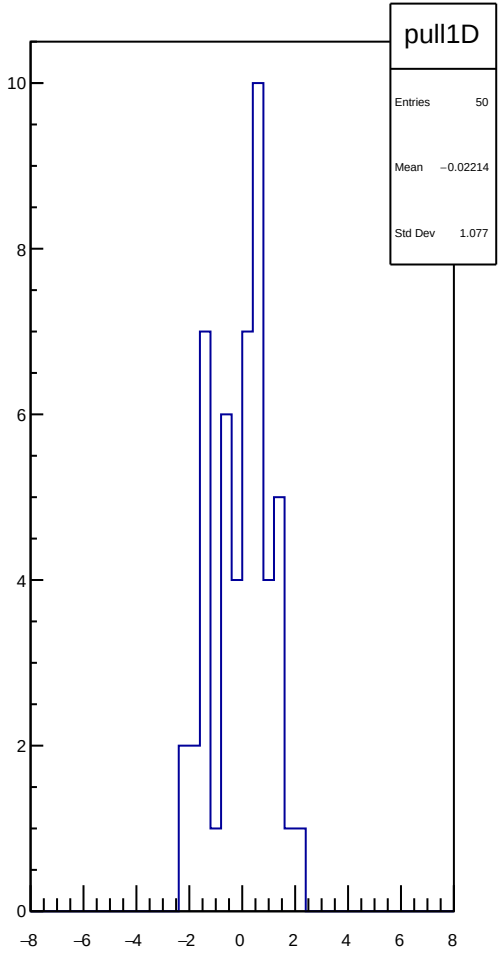
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

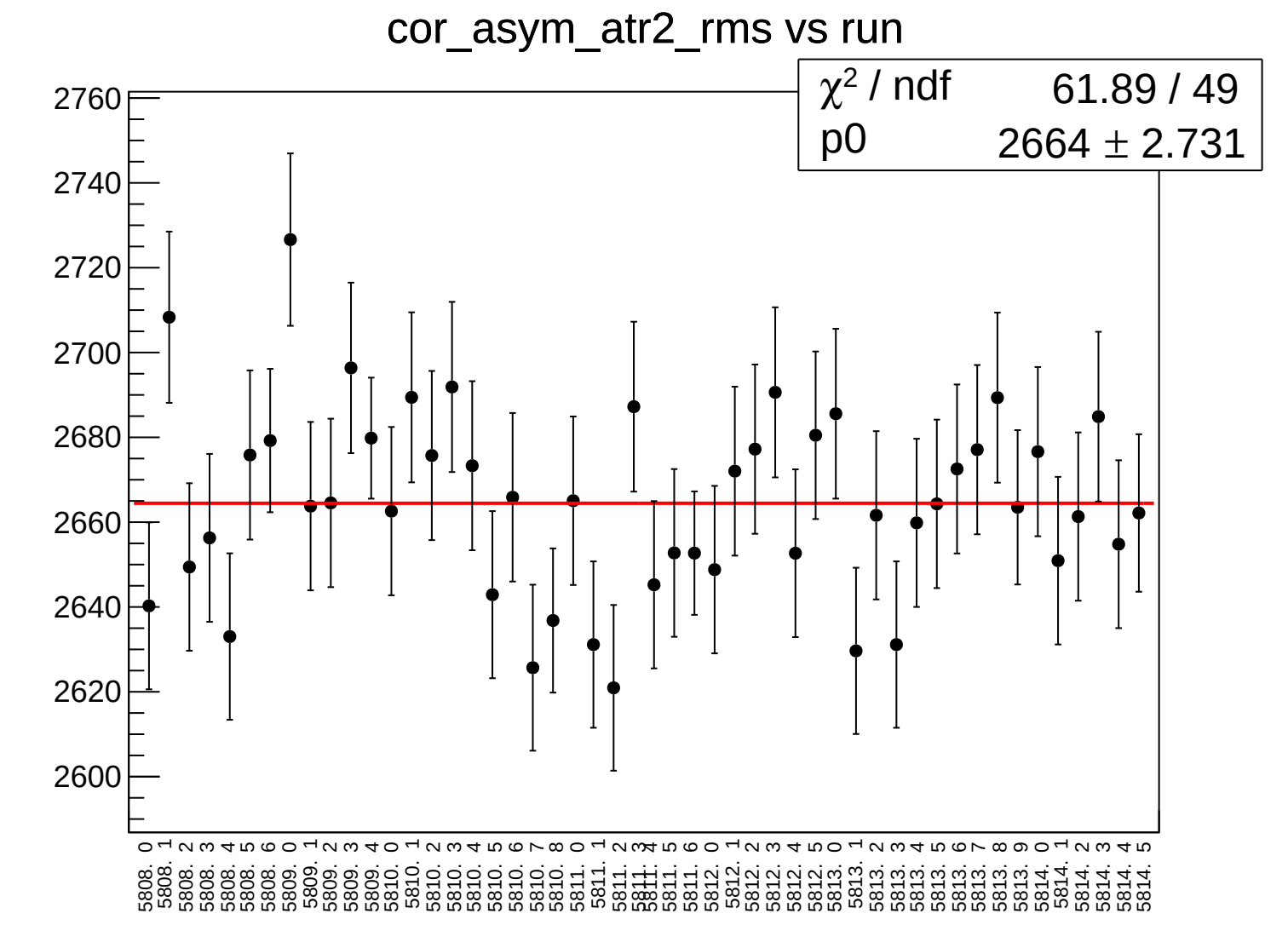

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 53.32 / 49
p0 3.254e+04 ± 1.329e+04
pull
Entries 50
Mean −185.4
Std Dev 0

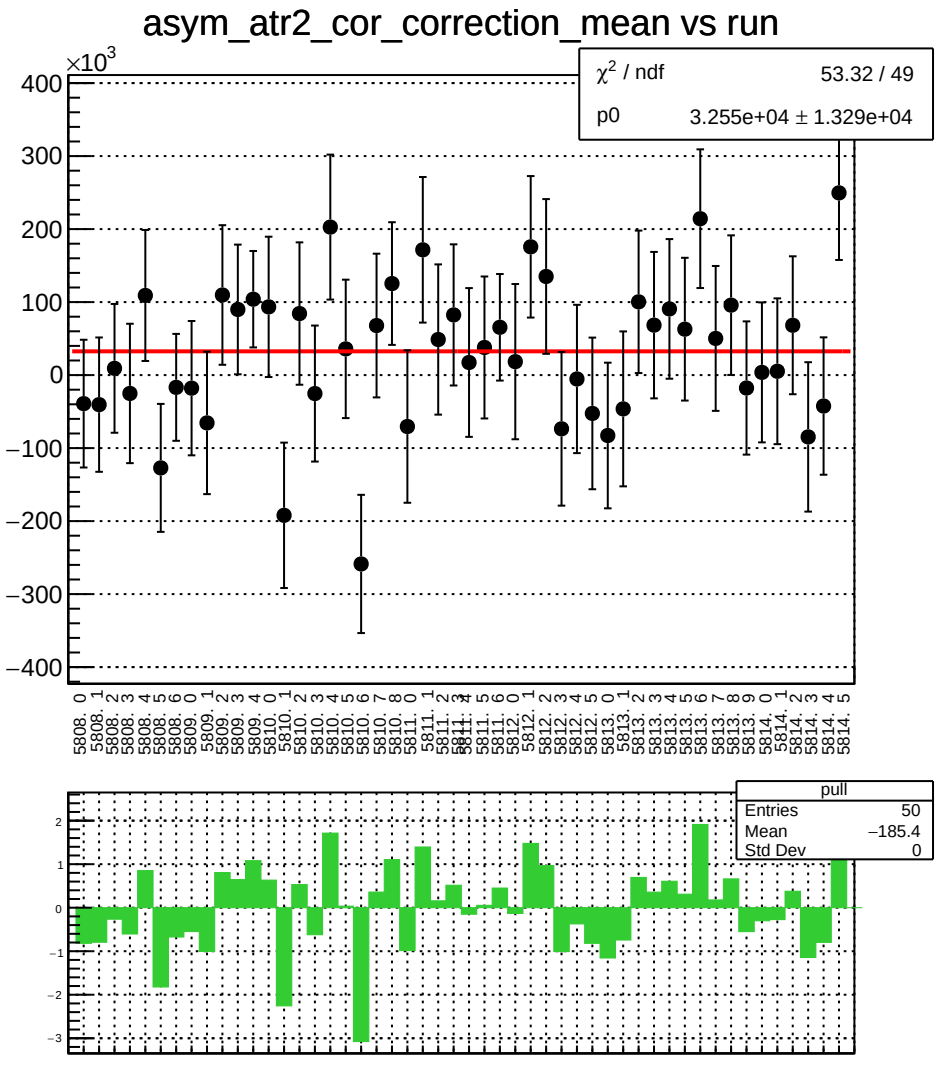

pull1D
Entries 50
Mean −0.01337
Std Dev 1.033

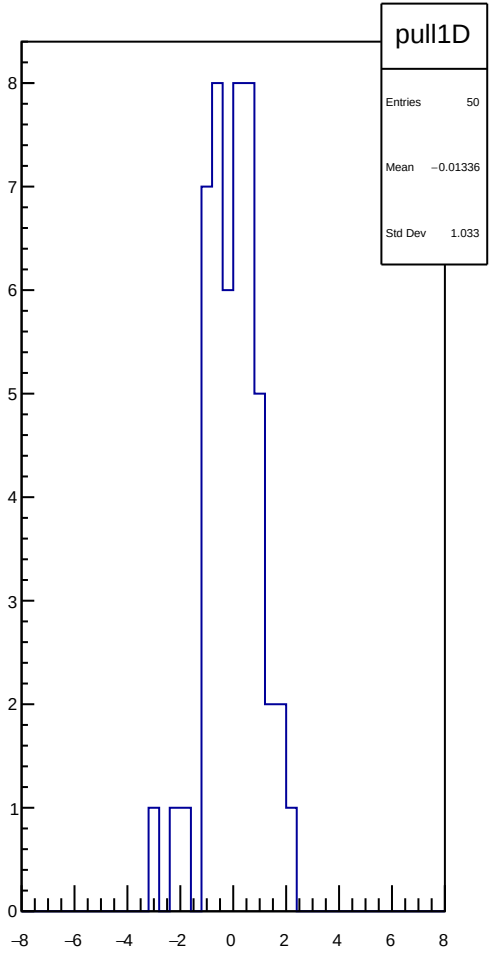

asym_atr2_reg_correction_rms vs run
χ² / ndf 2543 / 49
p0 9159 ± 9.399
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

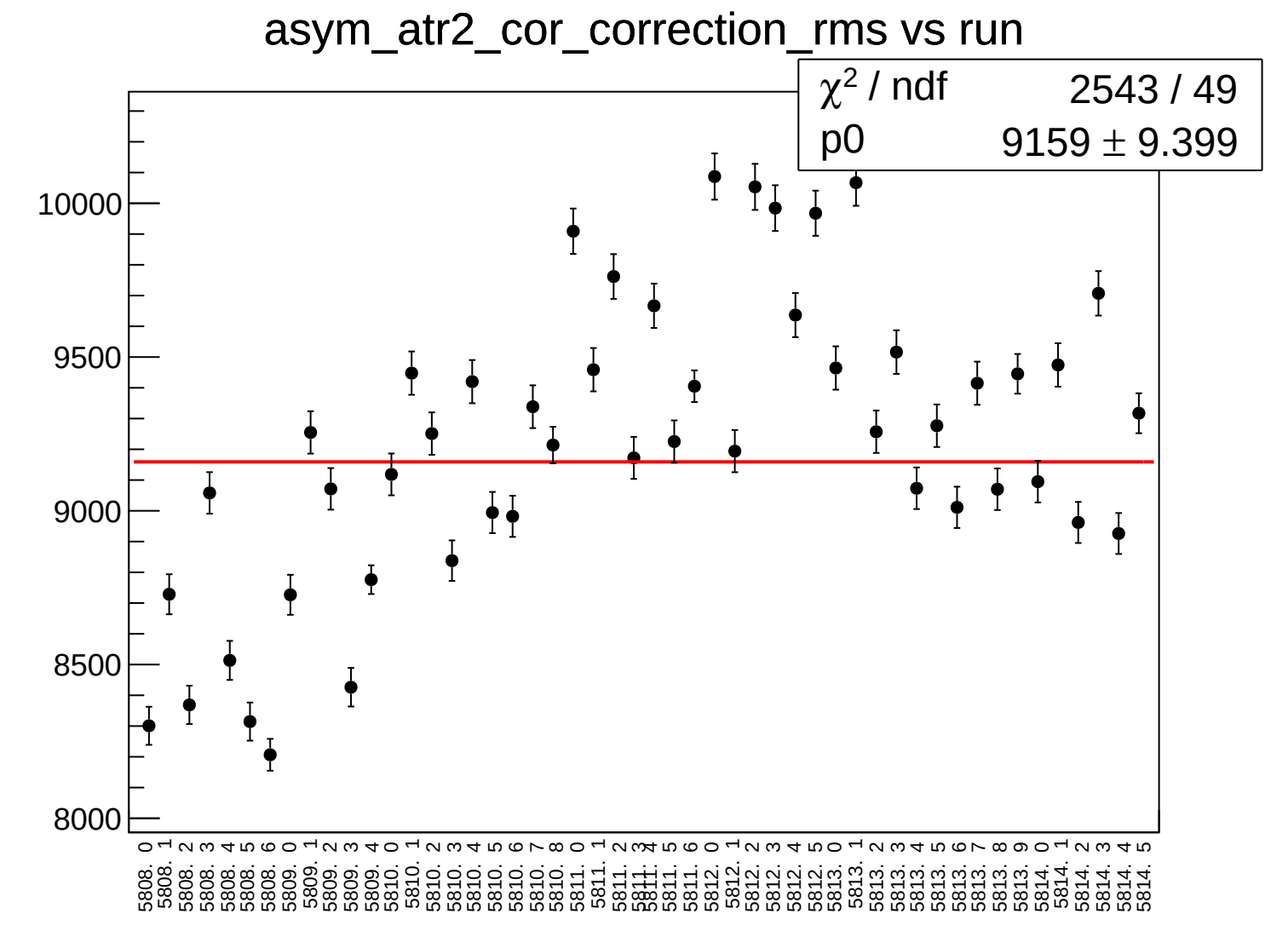

cor_asym_atr2_mean vs run
×10^3
χ² / ndf 57.98 / 49
p0 3790 ± 3862
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −105.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

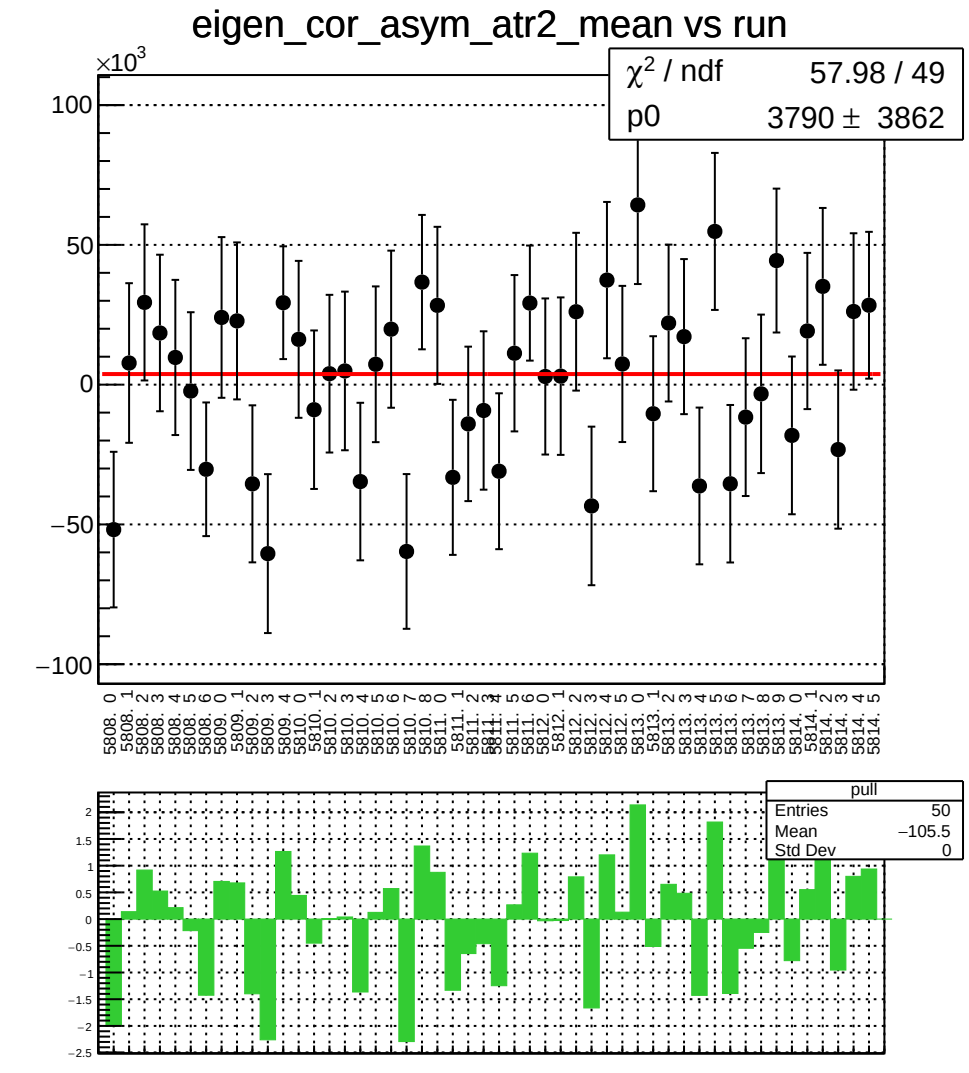

pull1D
Entries 50
Mean −0.02214
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

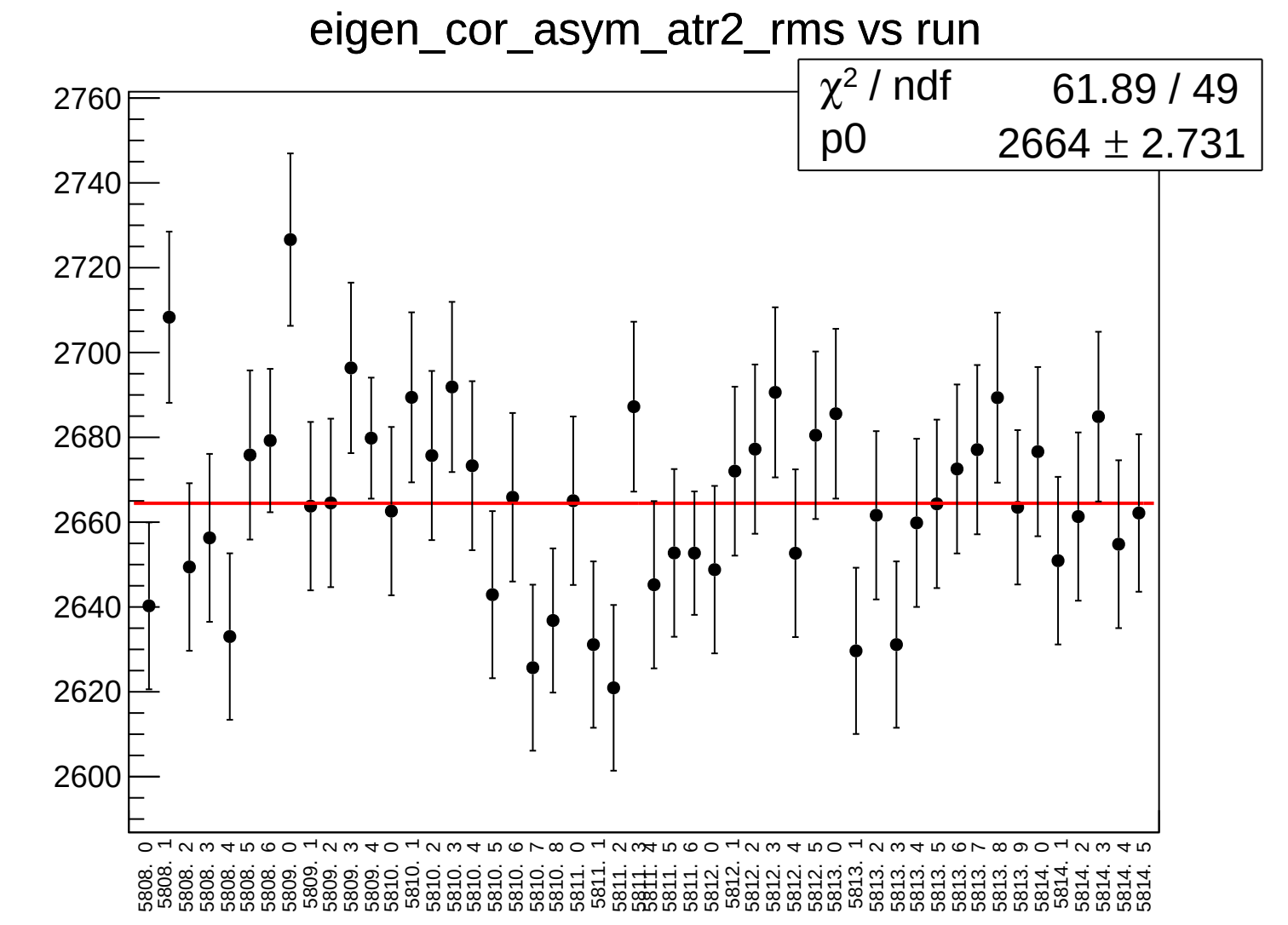

cor_asym_atr2_rms vs run
χ² / ndf 61.89 / 49
p0 2664 ± 2.731
2760
2740
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

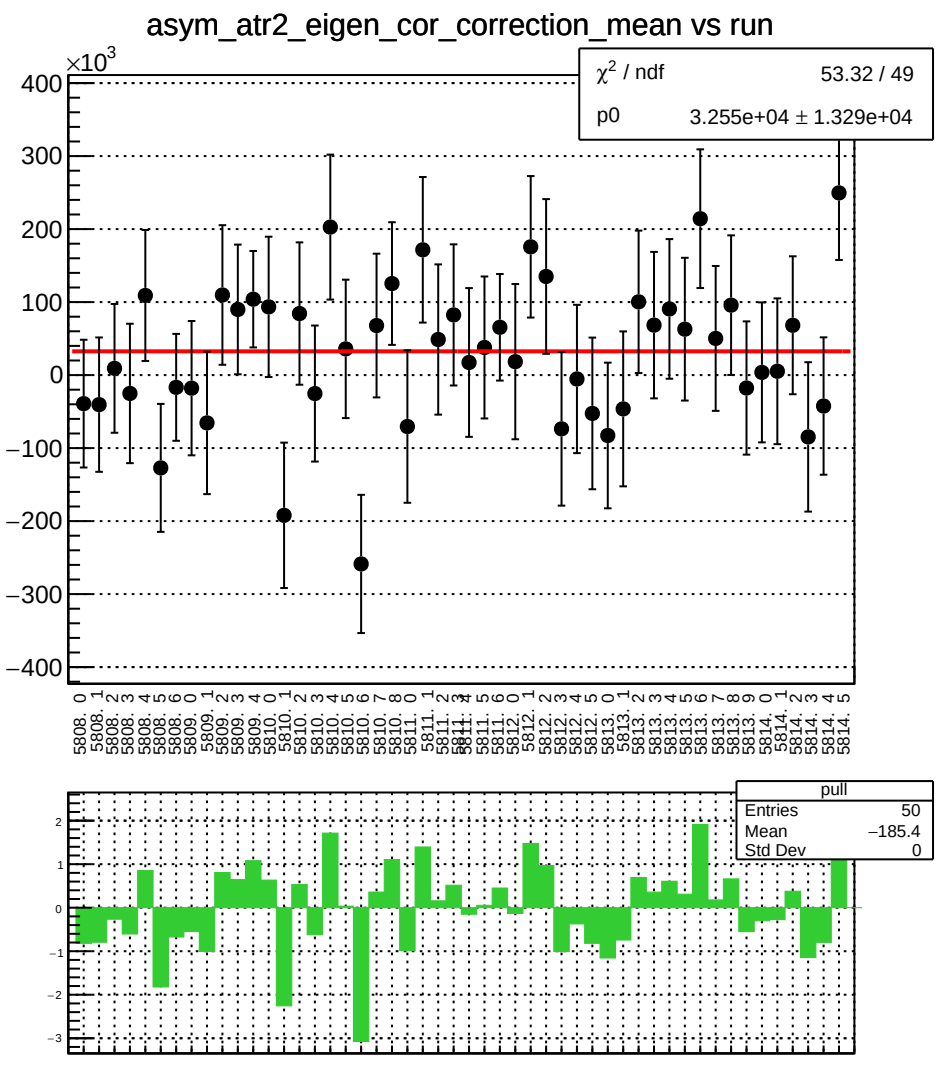

asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 53.32 / 49
p0 3.255e+04 ± 1.329e+04
pull
Entries 50
Mean −185.4
Std Dev 0

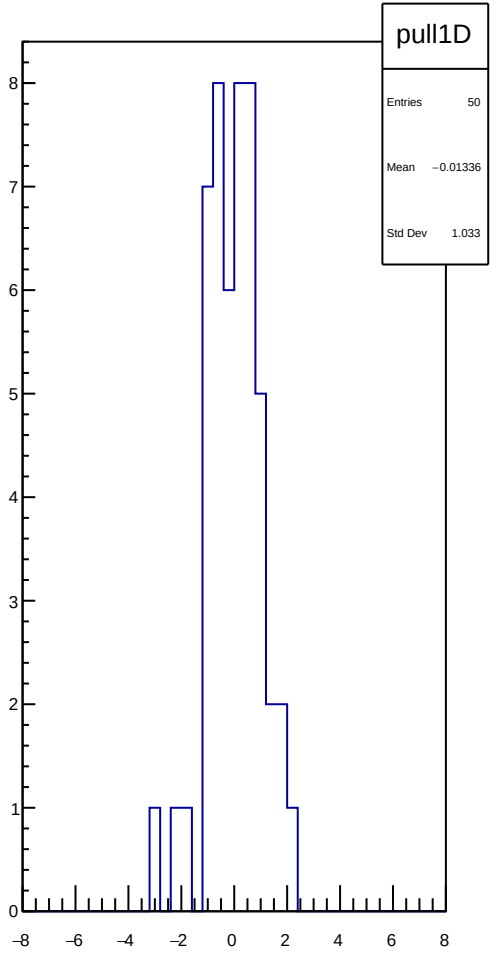

pull1D
Entries 50
Mean −0.01336
Std Dev 1.033

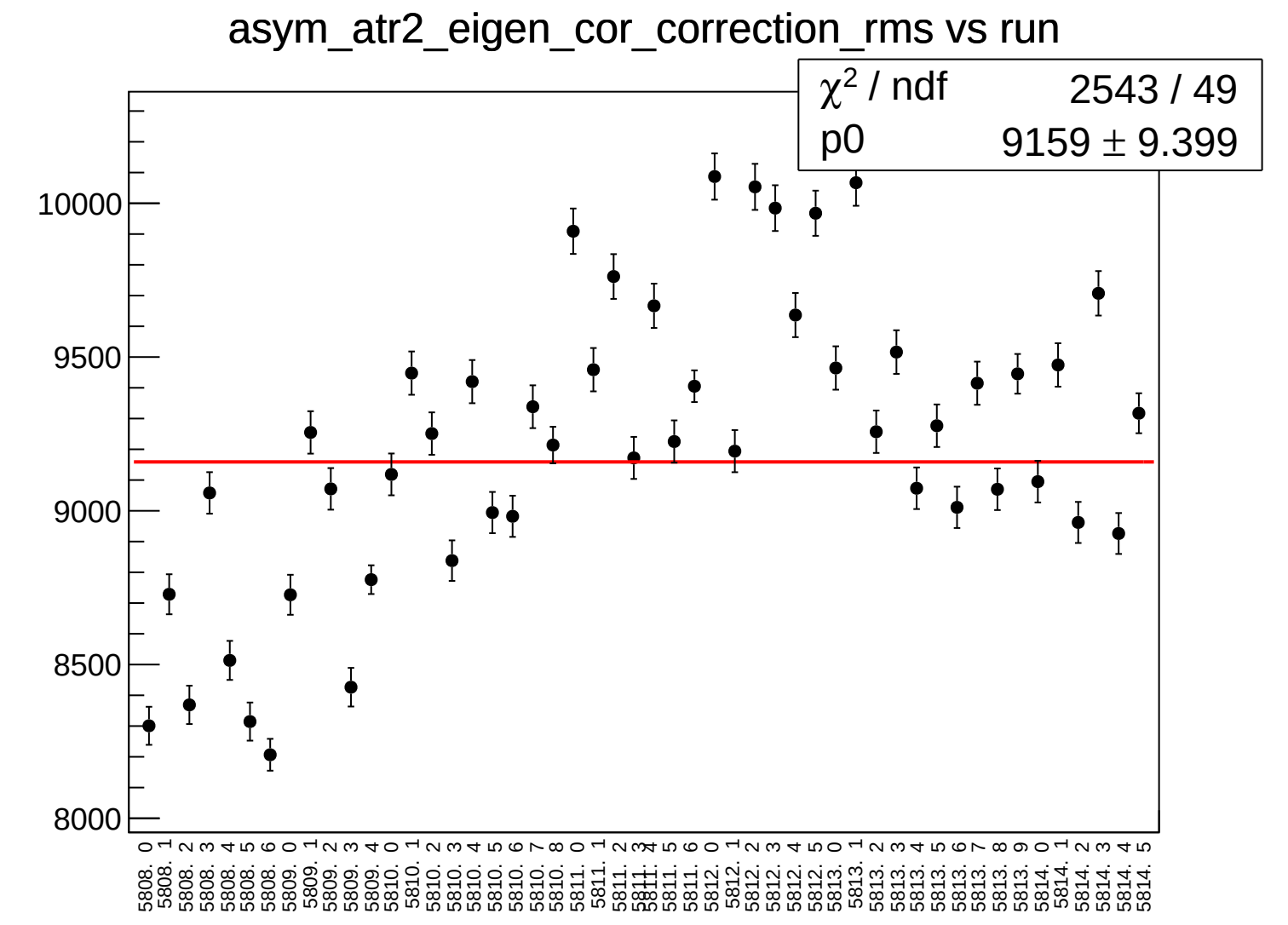

asym_atr2_cor_correction_rms vs run
χ² / ndf 2543 / 49
p0 9159 ± 9.399
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

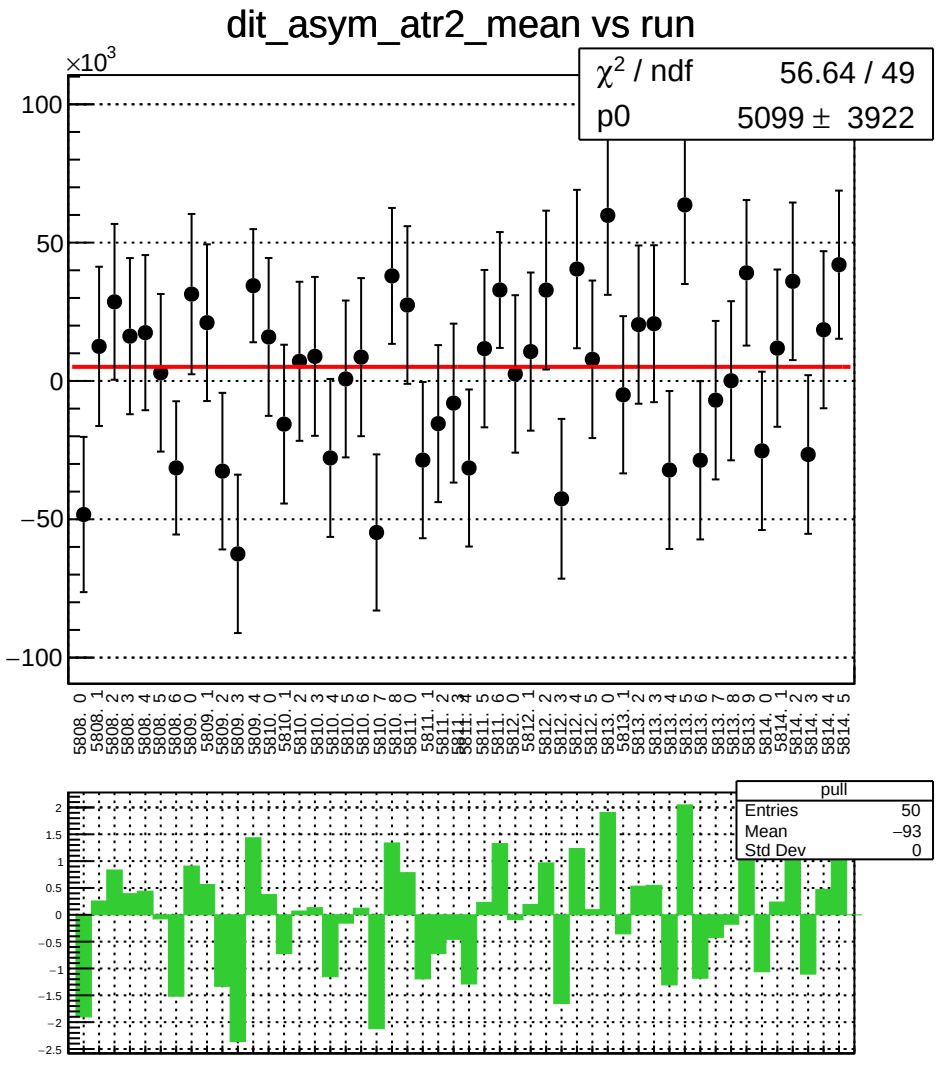

eigen_cor_asym_atr2_mean vs run
×10^3
χ² / ndf 57.98 / 49
p0 3790 ± 3862
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −105.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.02214
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

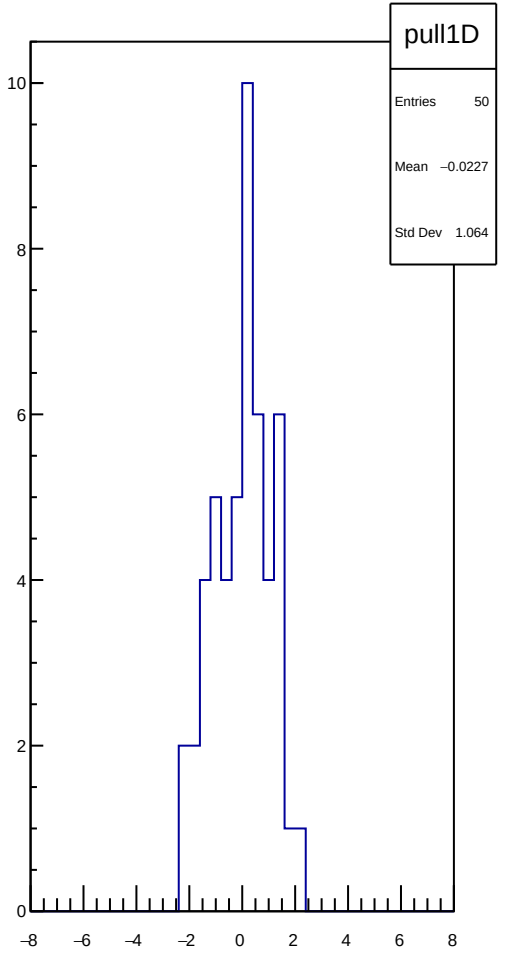

eigen_cor_asym_atr2_rms vs run
χ² / ndf 61.89 / 49
p0 2664 ± 2.731
2760
2740
2720
2700
2680
2660
2640
2620
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

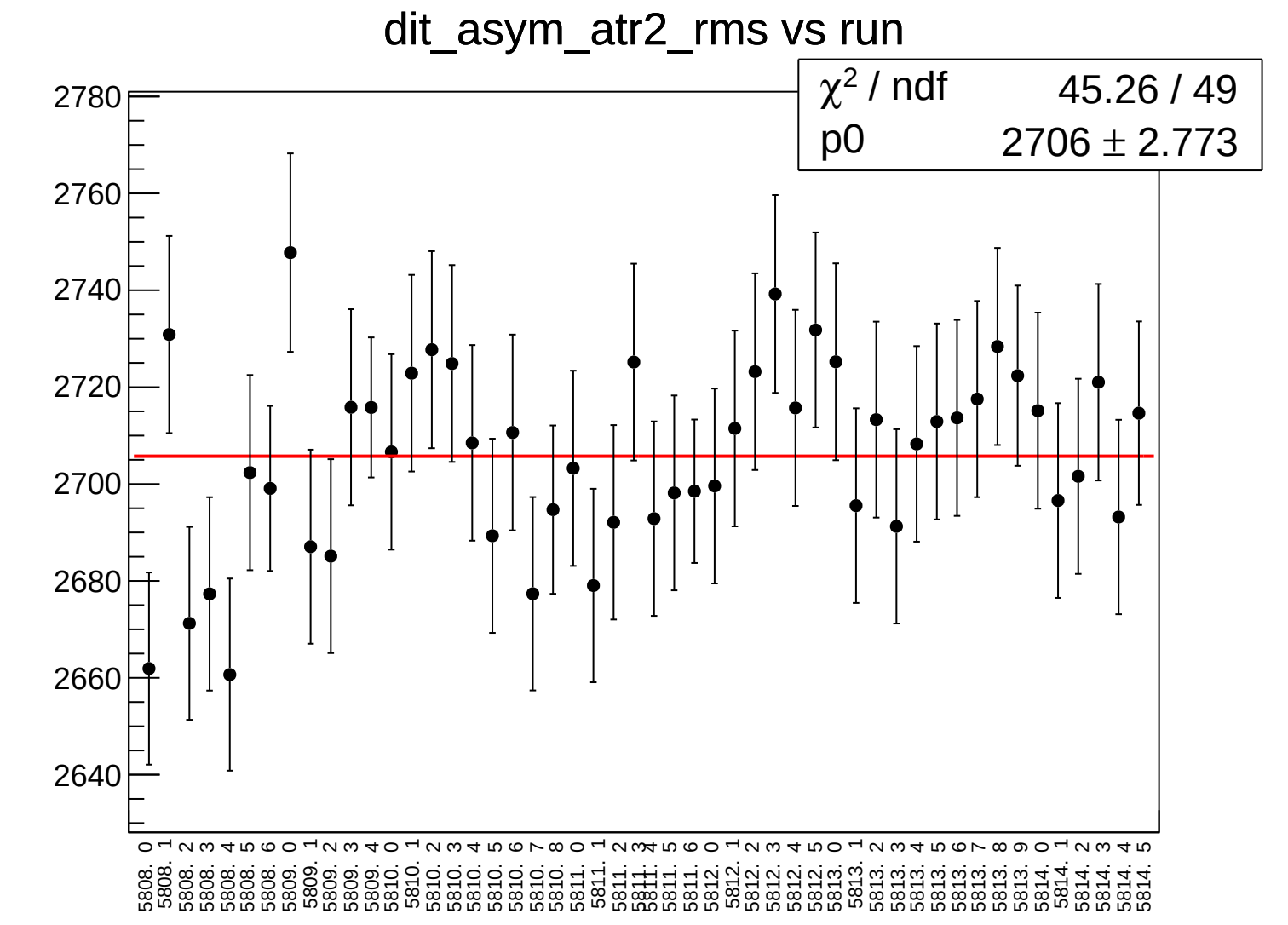

asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.32 / 49
p0 3.255e+04 ± 1.329e+04
pull
Entries 50
Mean −185.4
Std Dev 0

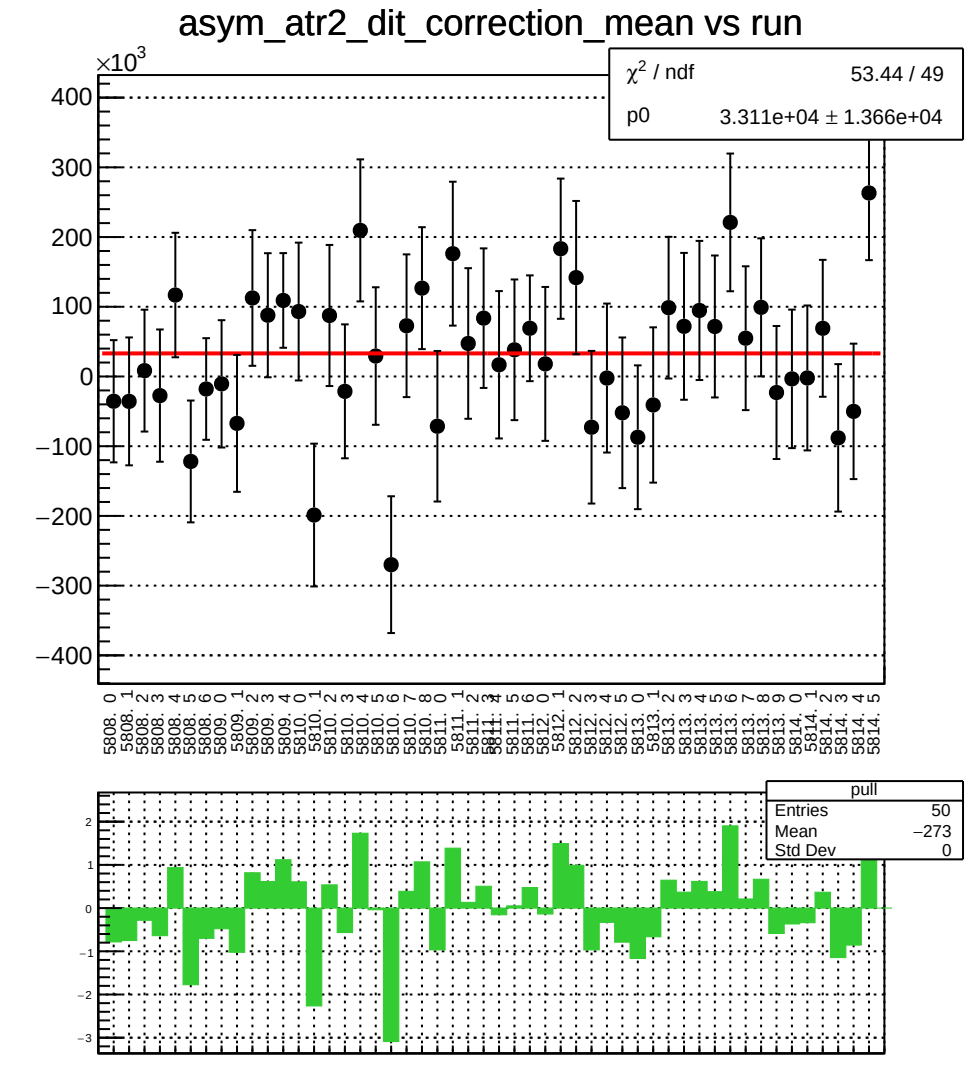

pull1D
Entries 50
Mean −0.01336
Std Dev 1.033

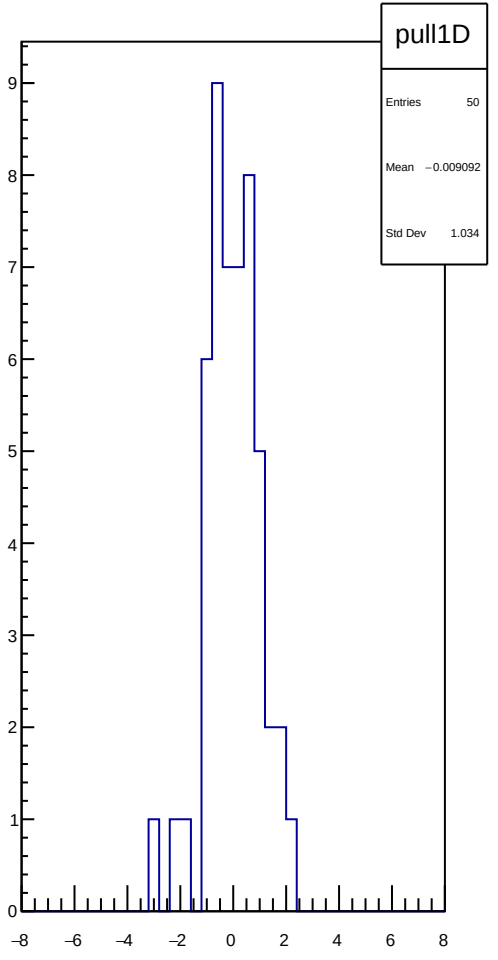

asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 2543 / 49
p0 9159 ± 9.399
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

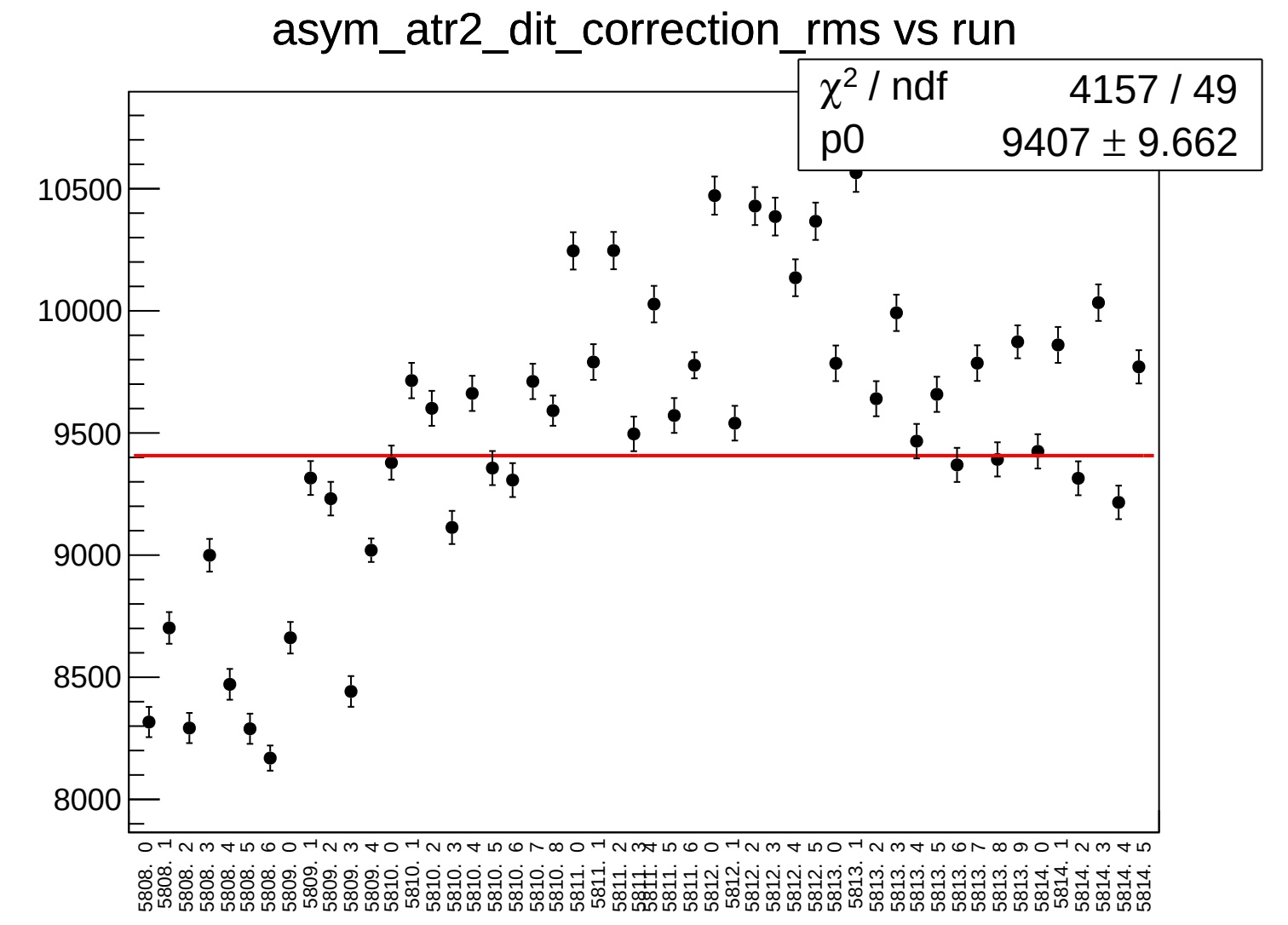

dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 56.64 / 49
p0 5099 ± 3922
100
50
0
−50
−100
pull
Entries 50
Mean −93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

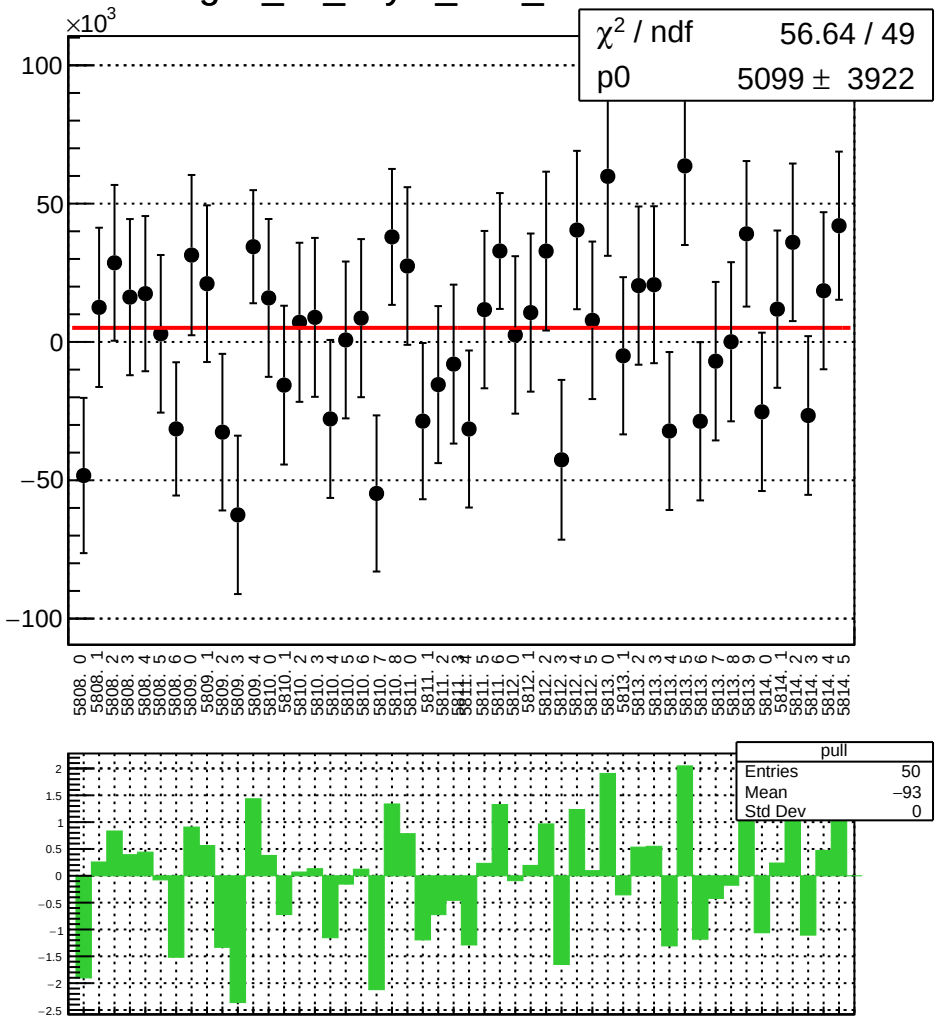

pull1D
Entries 50
Mean −0.0227
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

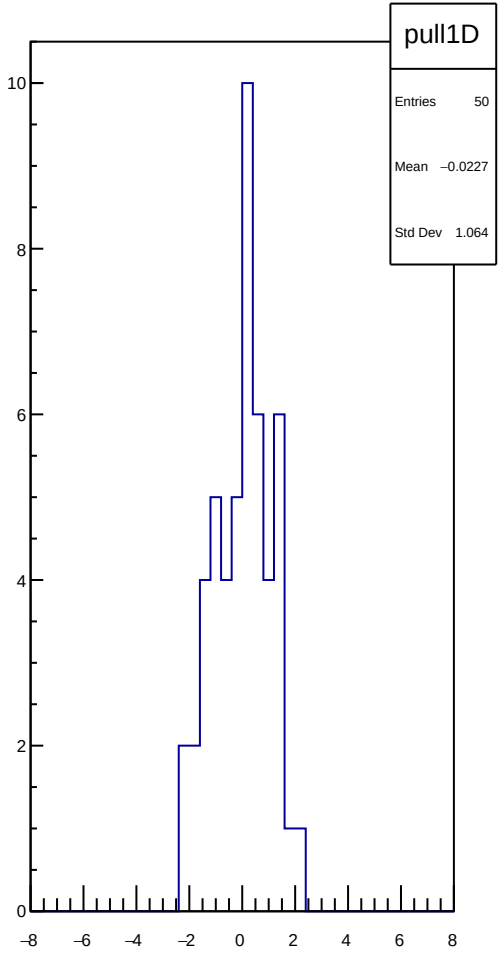

dit_asym_atr2_rms vs run
χ² / ndf 45.26 / 49
p0 2706 ± 2.773
2780
2760
2740
2720
2700
2680
2660
2640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

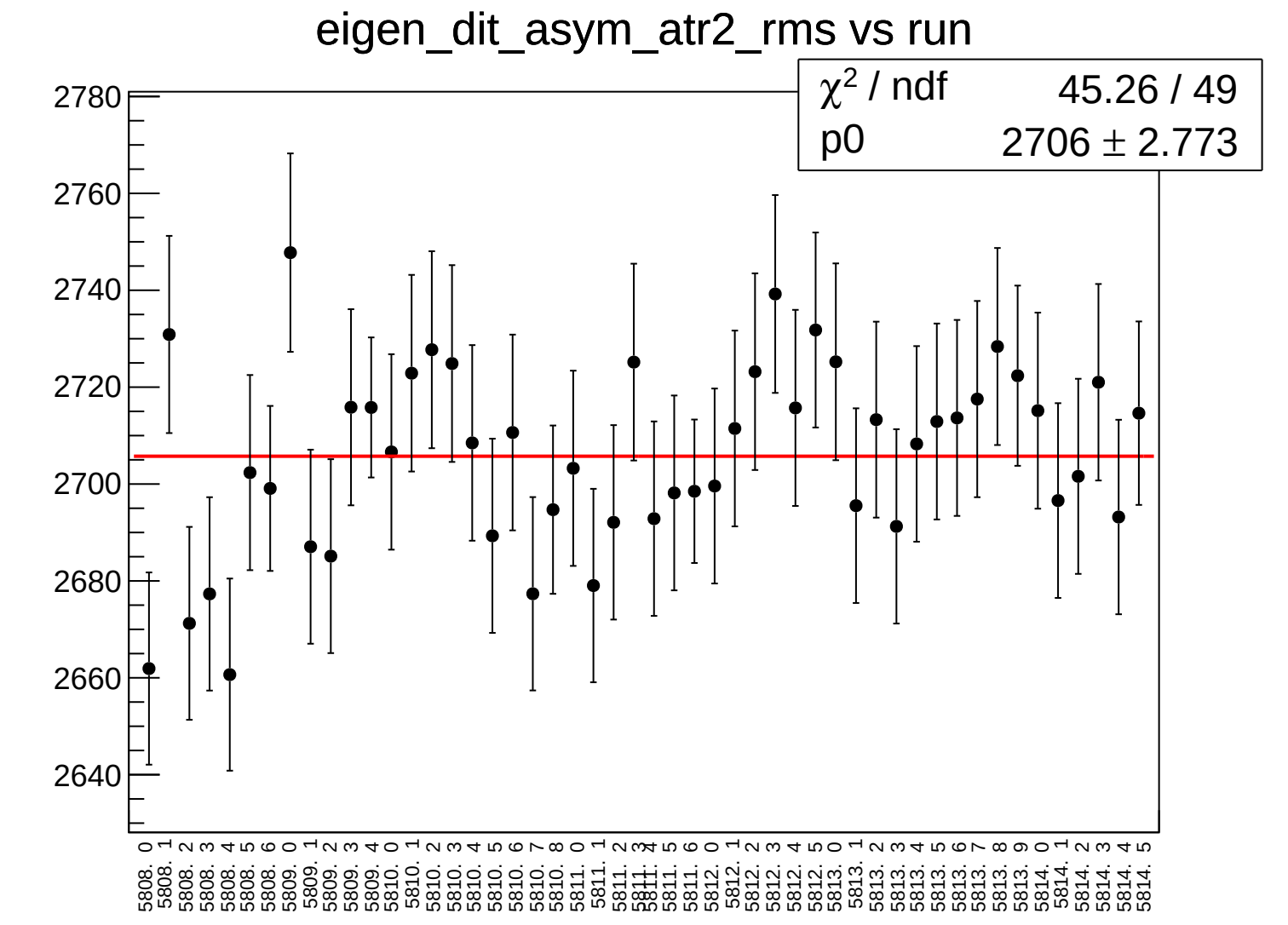

asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 53.44 / 49
p0 3.311e+04 ± 1.366e+04
pull
Entries 50
Mean −273
Std Dev 0


pull1D
Entries 50
Mean −0.009092
Std Dev 1.034


asym_atr2_dit_correction_rms vs run
χ² / ndf 4157 / 49
p0 9407 ± 9.662
10500
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_atr2_mean vs run
×10^3
χ² / ndf 56.64 / 49
p0 5099 ± 3922
100
50
0
−50
−100
pull
Entries 50
Mean −93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 50
Mean −0.0227
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr2_rms vs run
χ² / ndf 45.26 / 49
p0 2706 ± 2.773
2780
2760
2740
2720
2700
2680
2660
2640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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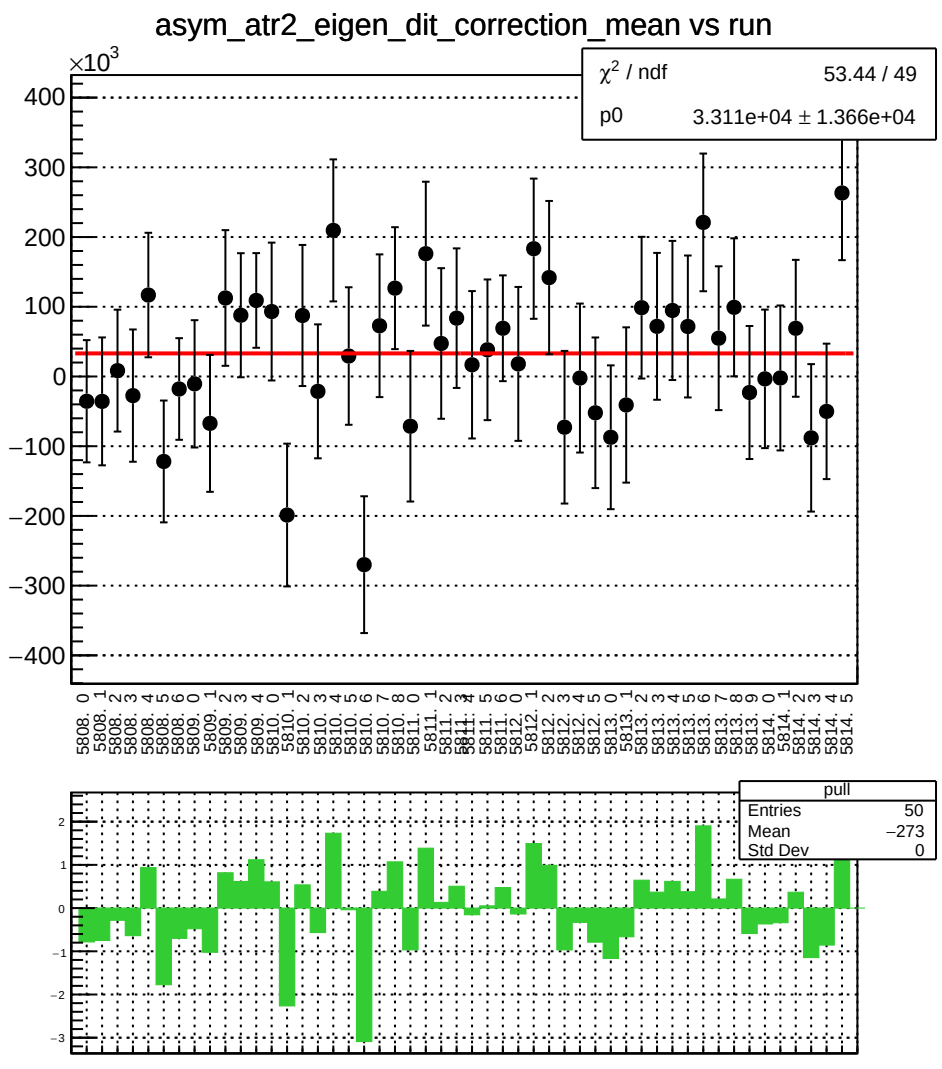
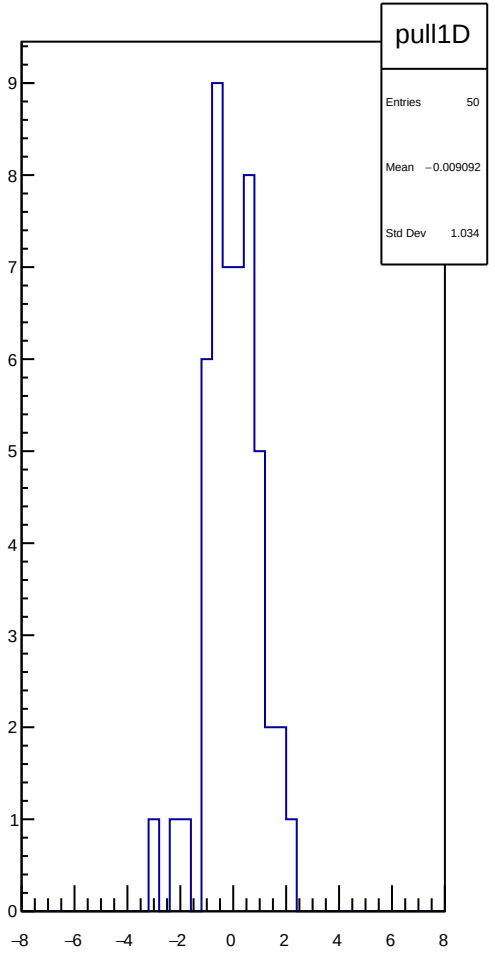
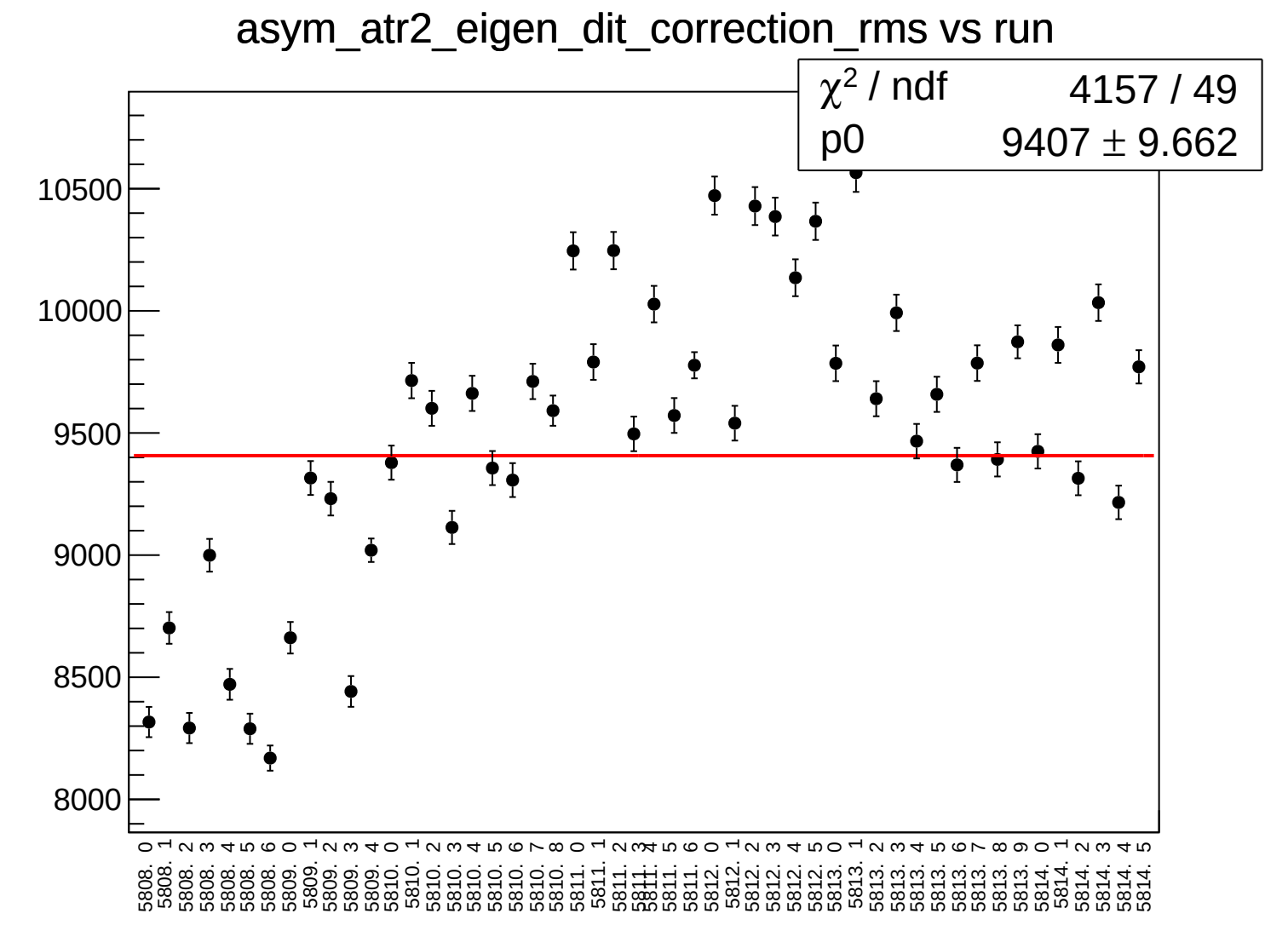
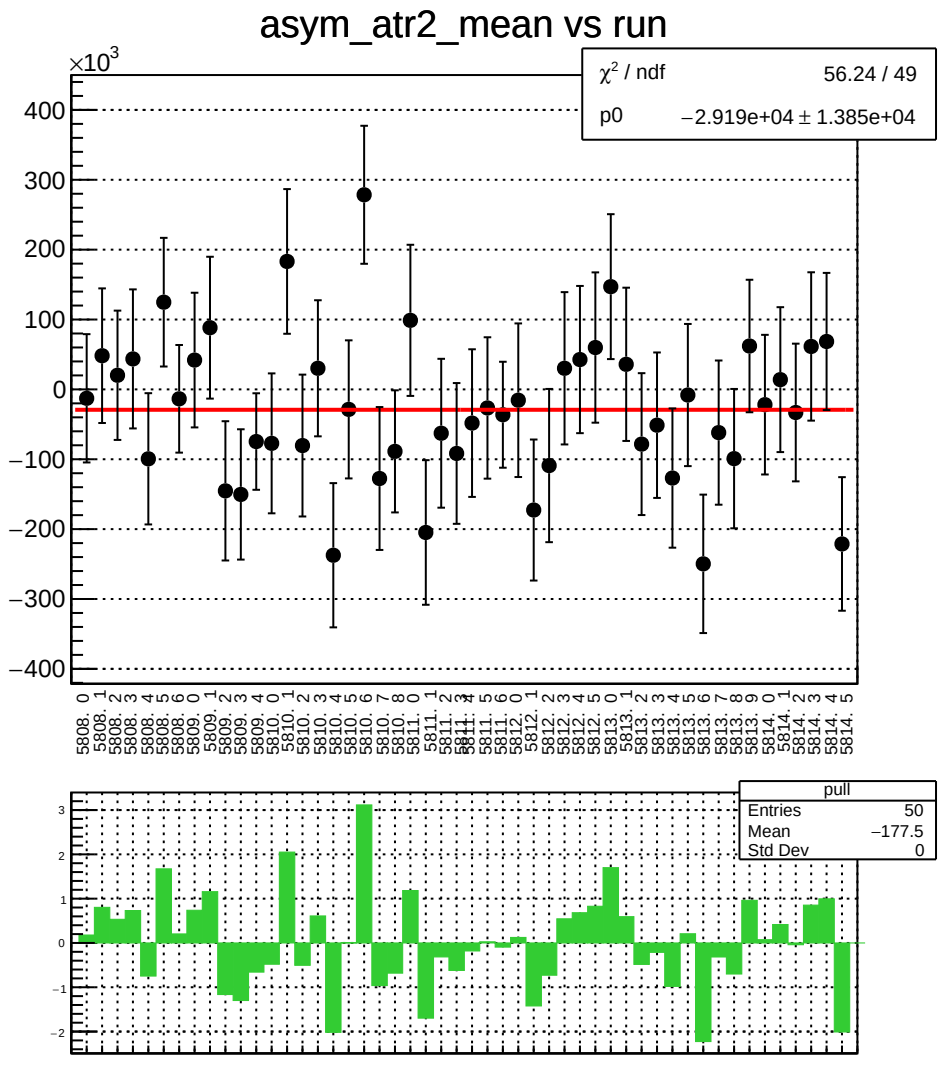
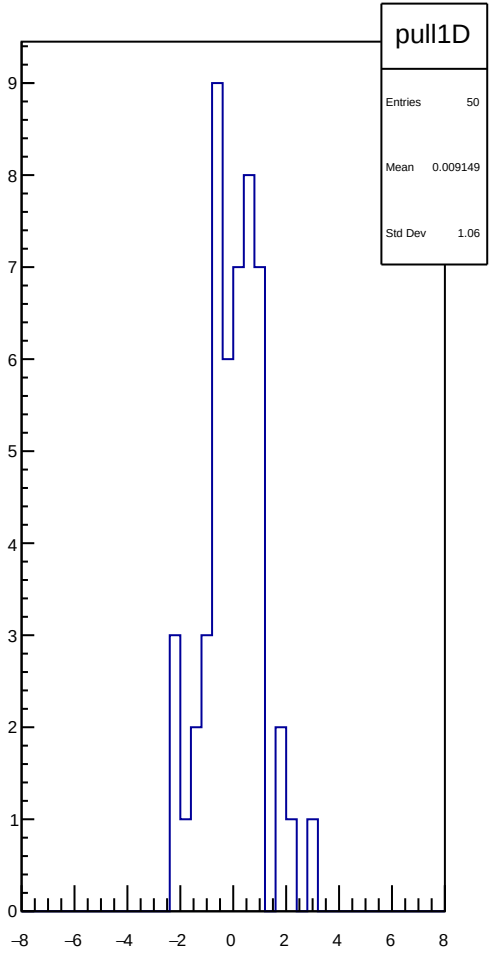
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

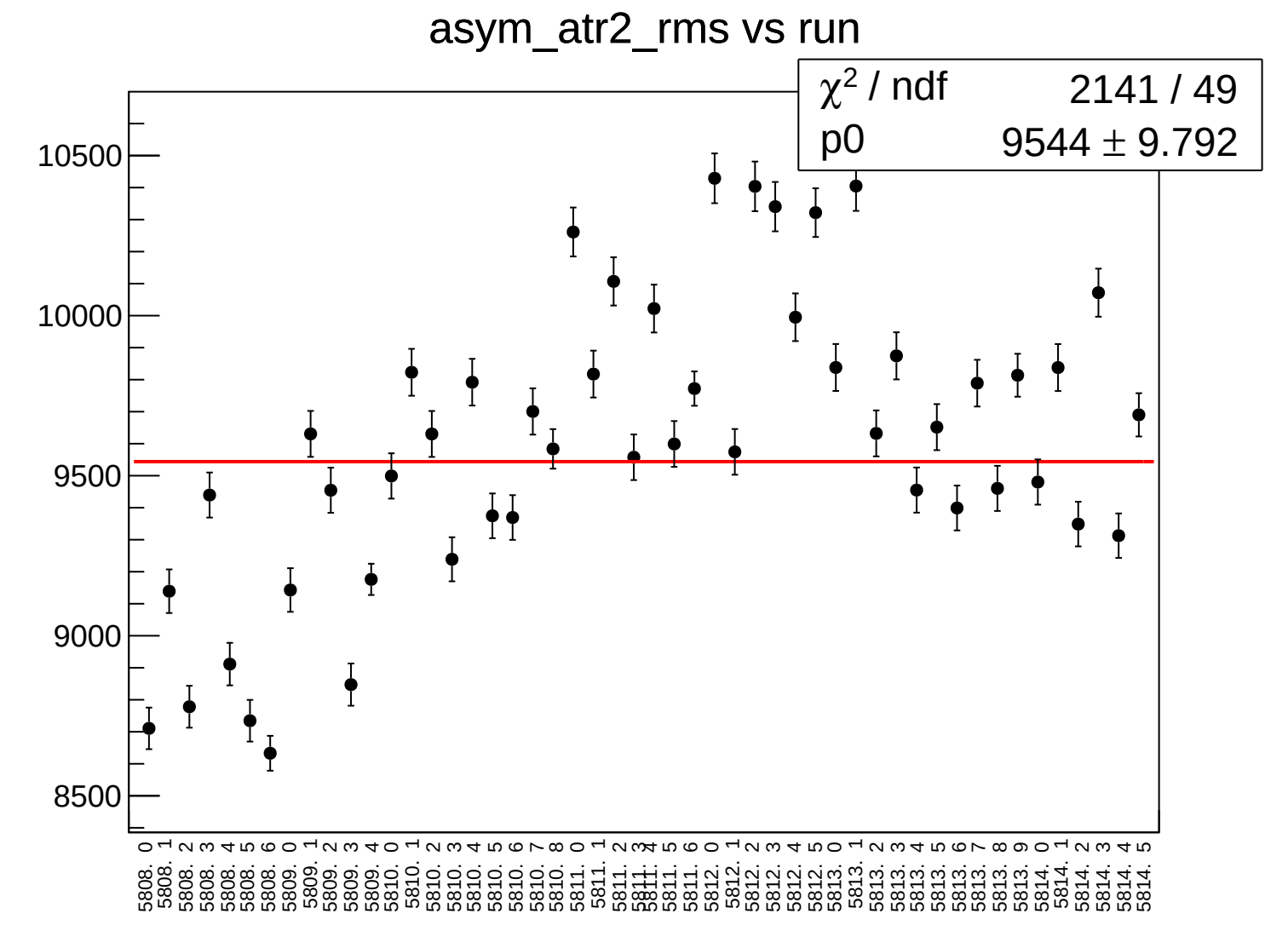

asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.44 / 49
p0 3.311e+04 ± 1.366e+04
pull
Entries 50
Mean −273
Std Dev 0

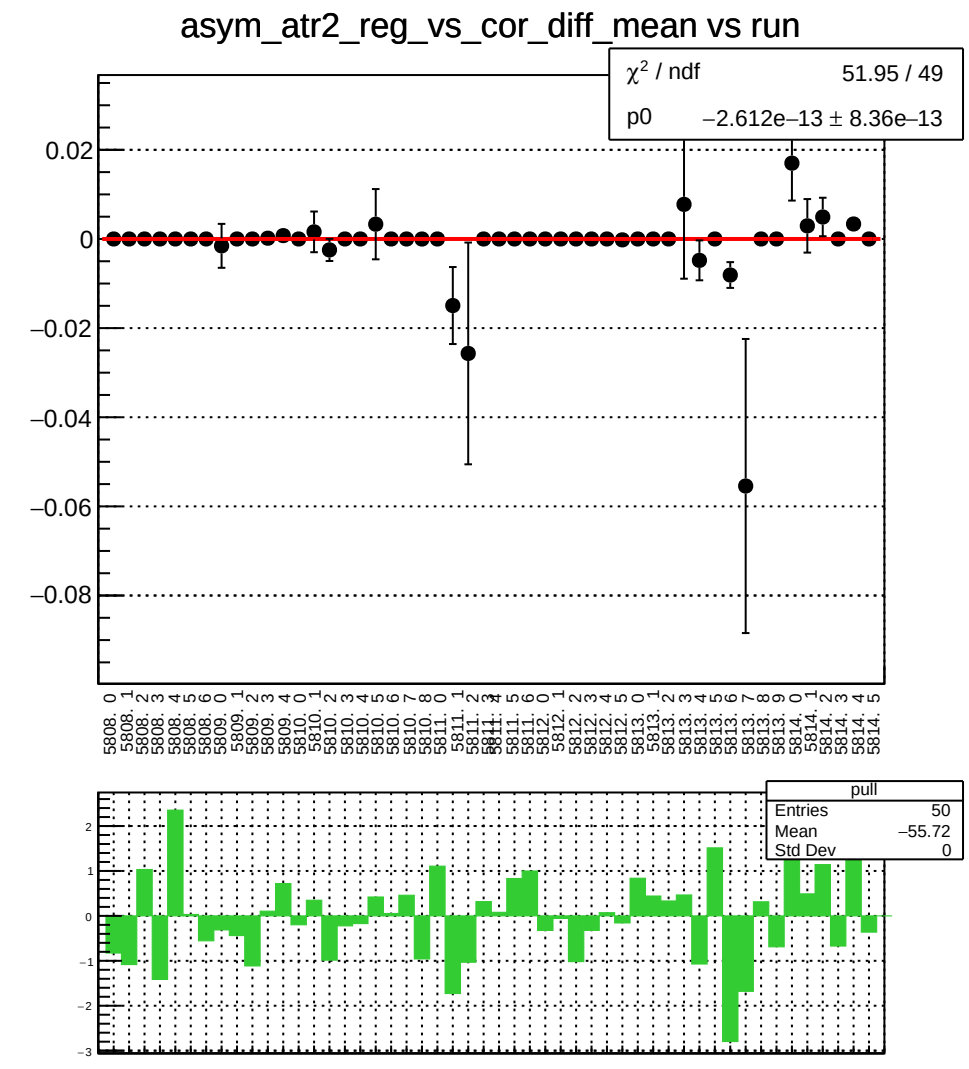

pull1D
Entries 50
Mean −0.009092
Std Dev 1.034

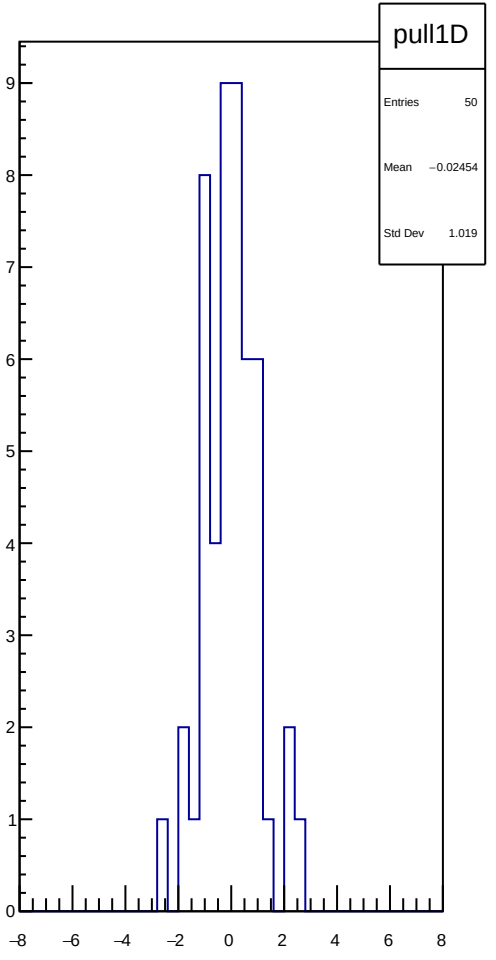

asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 4157 / 49
p0 9407 ± 9.662
10500
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

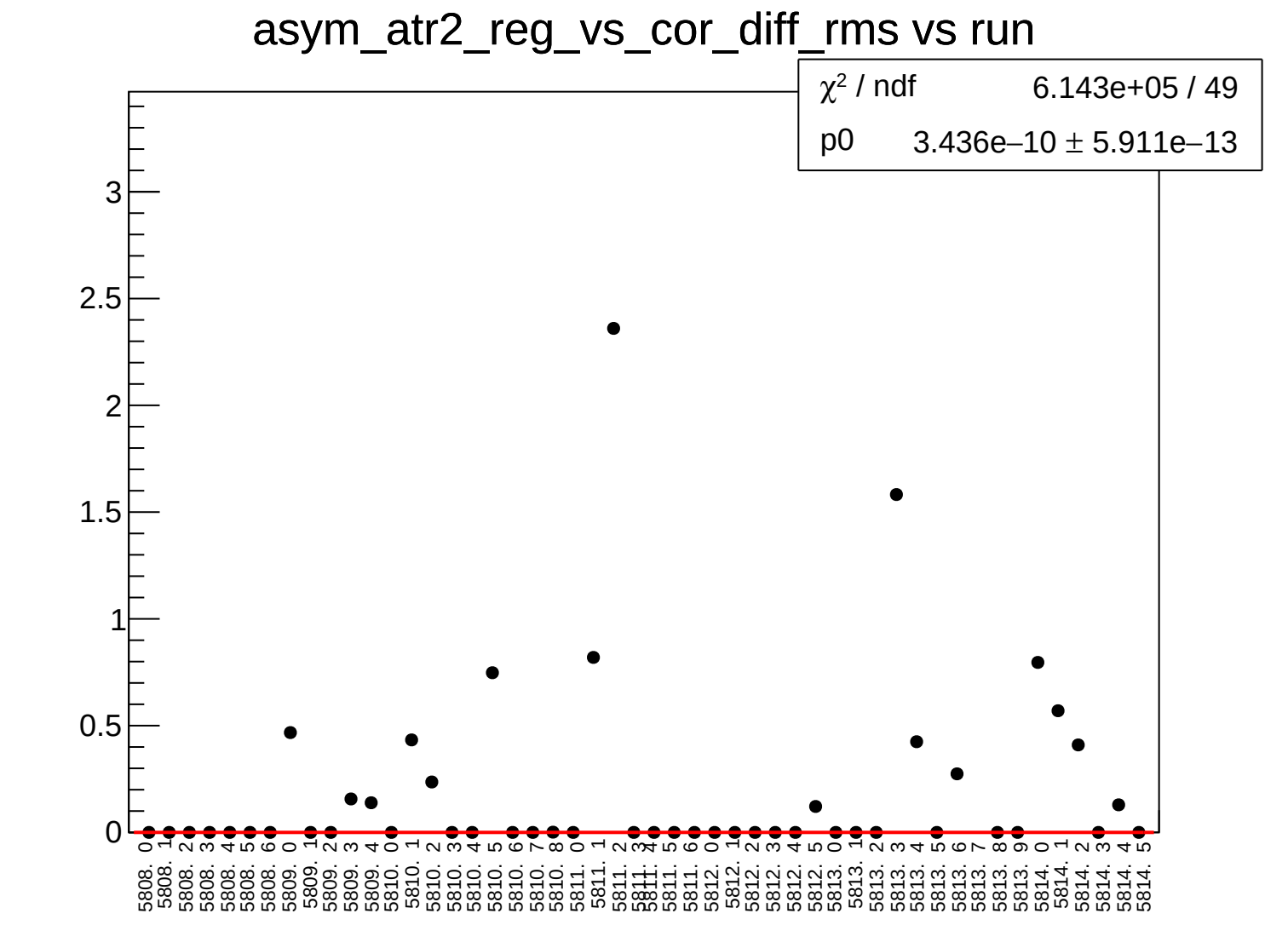

asym_atr2_mean vs run
×10^3
χ² / ndf 56.24 / 49
p0 −2.919e+04 ± 1.385e+04
pull
Entries 50
Mean −177.5
Std Dev 0

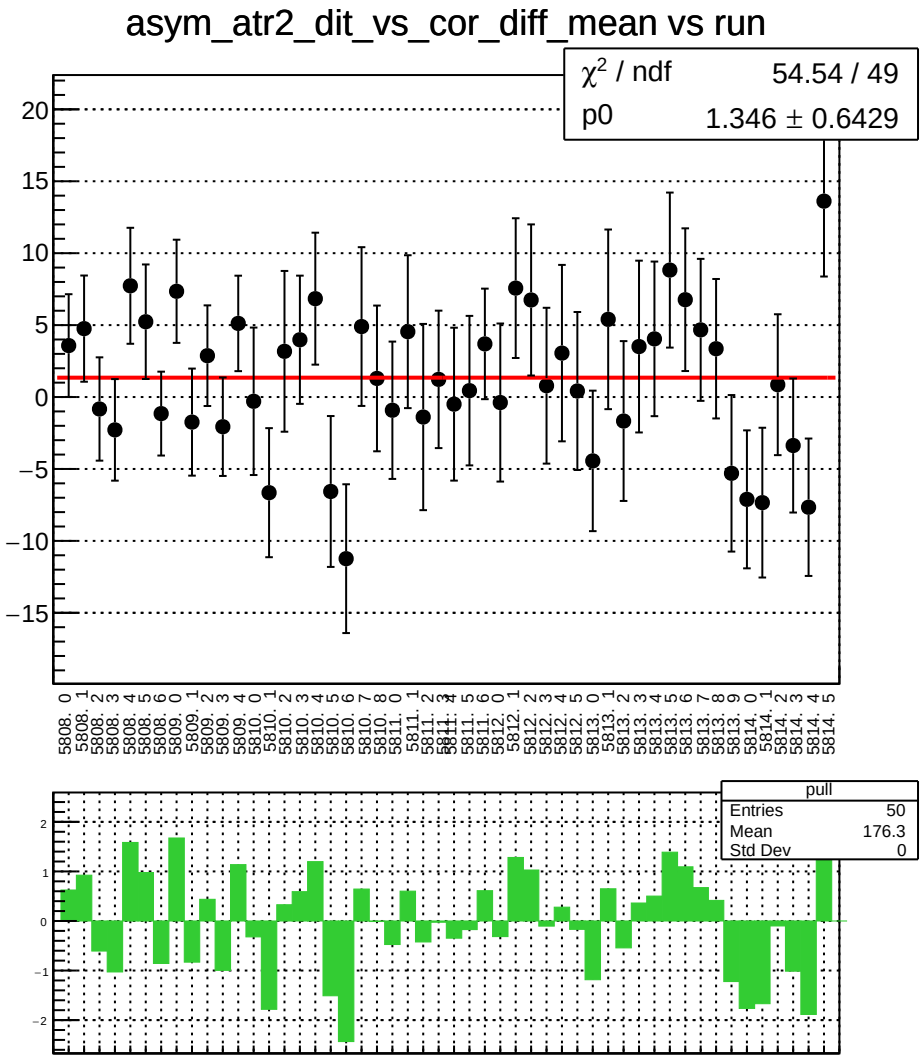

pull1D
Entries 50
Mean 0.009149
Std Dev 1.06

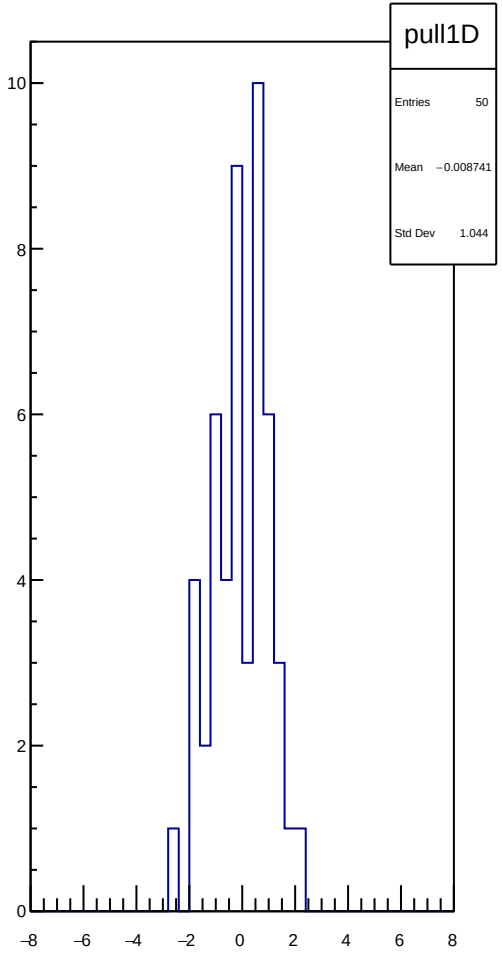

asym_atr2_rms vs run
χ² / ndf 2141 / 49
p0 9544 ± 9.792
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

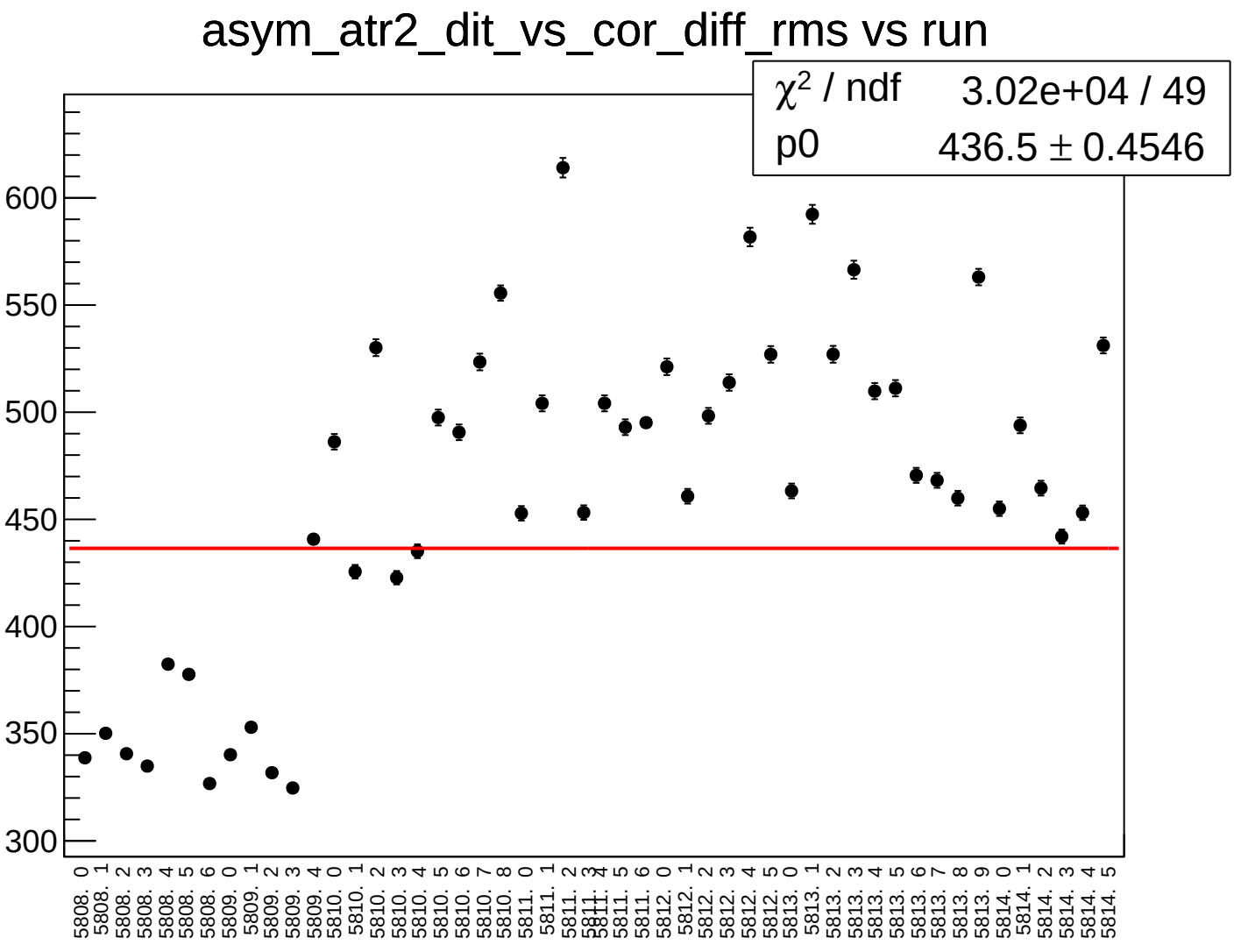

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 51.95 / 49
p0 −2.612e−13 ± 8.36e−13
0.02
0
−0.02
−0.04
−0.06
−0.08
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −55.72
Std Dev 0
2
1
0
−1
−2
−3

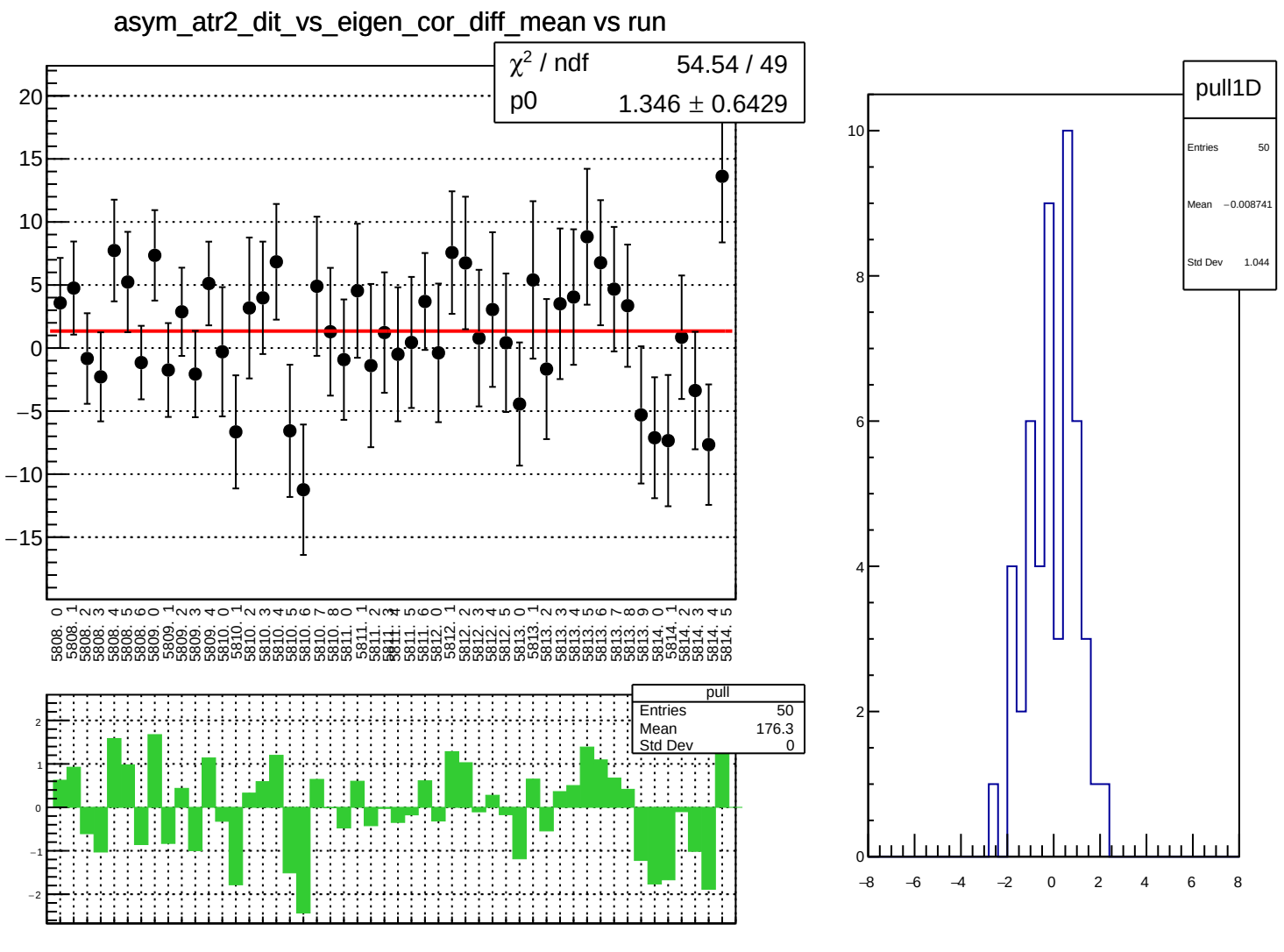

pull1D
Entries 50
Mean −0.02454
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

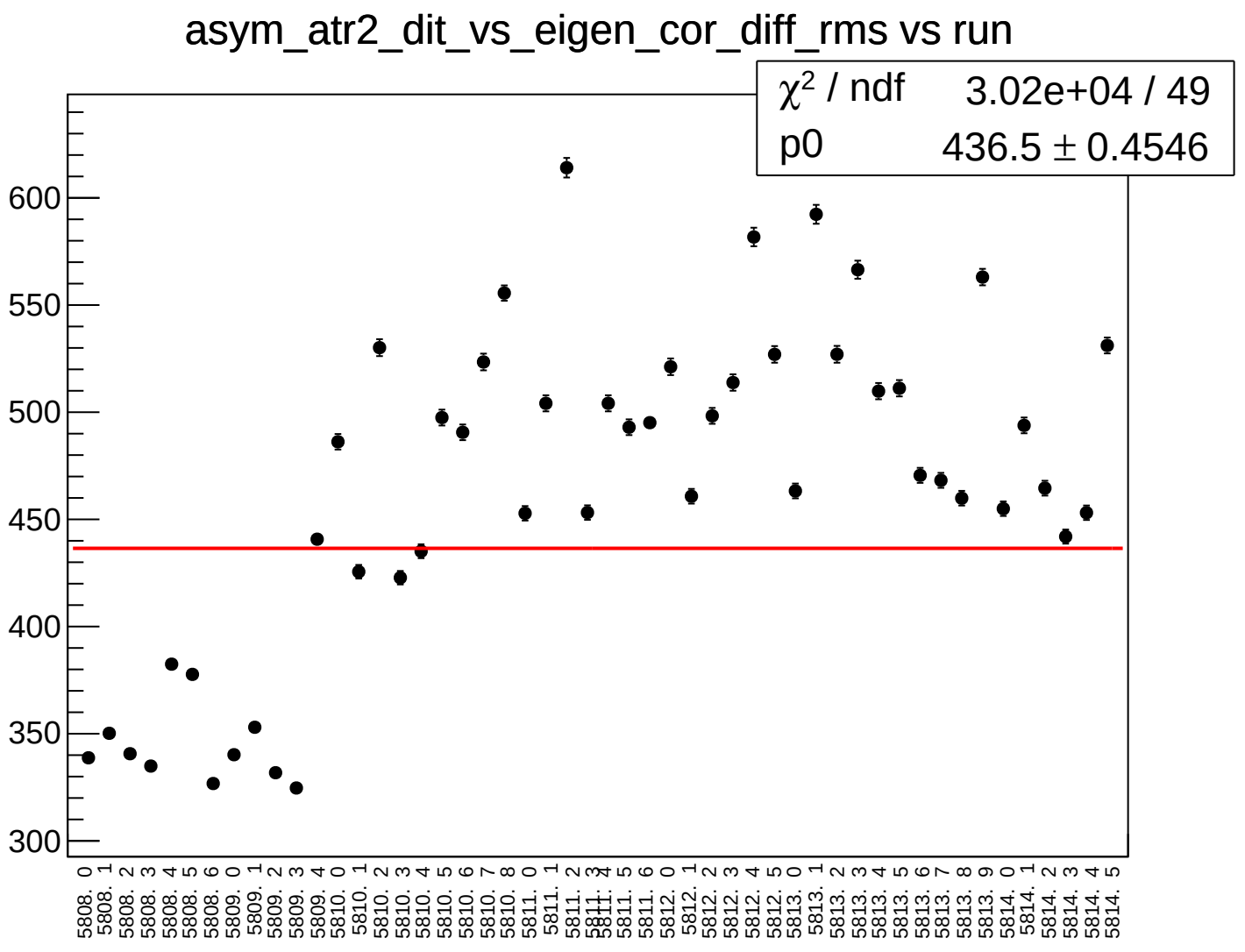

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 6.143e+05 / 49
p0 3.436e−10 ± 5.911e−13
3
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

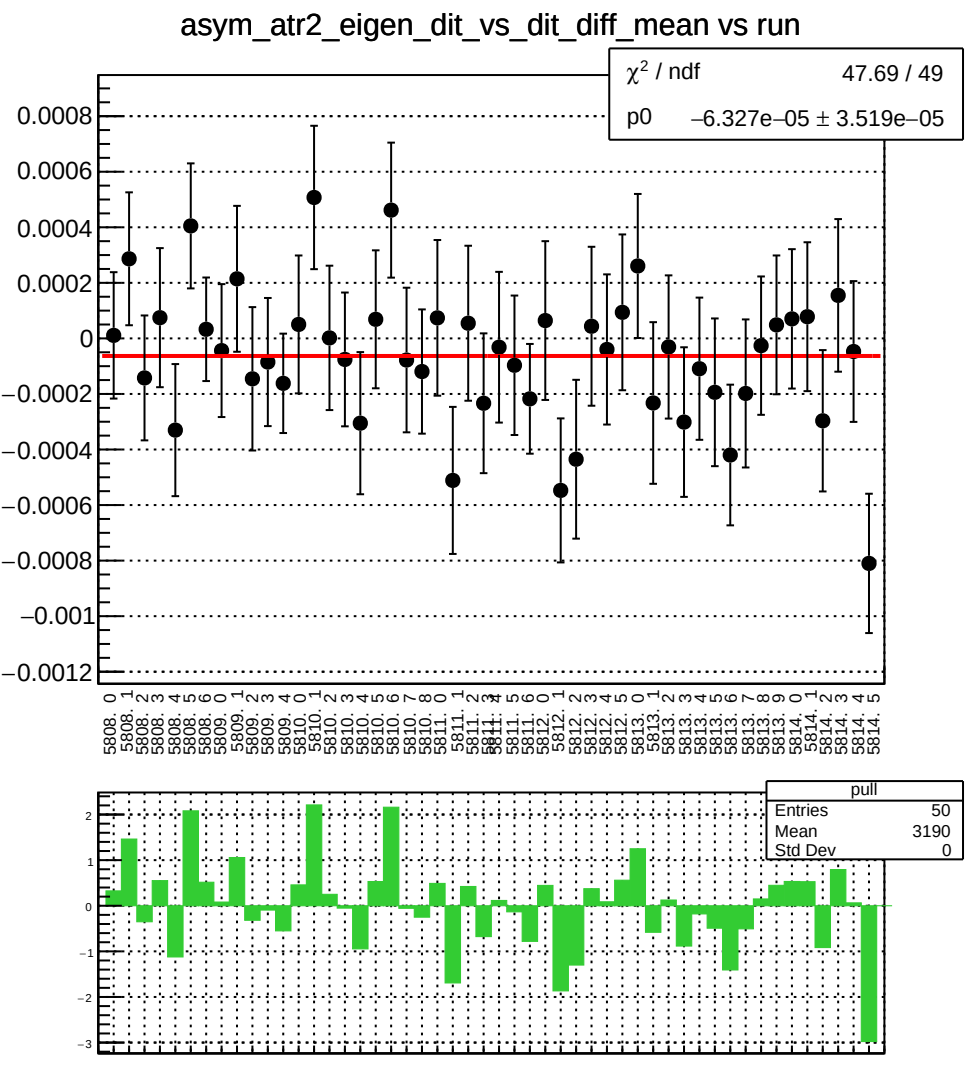

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 54.54 / 49
p0 1.346 ± 0.6429
pull
Entries 50
Mean 176.3
Std Dev 0

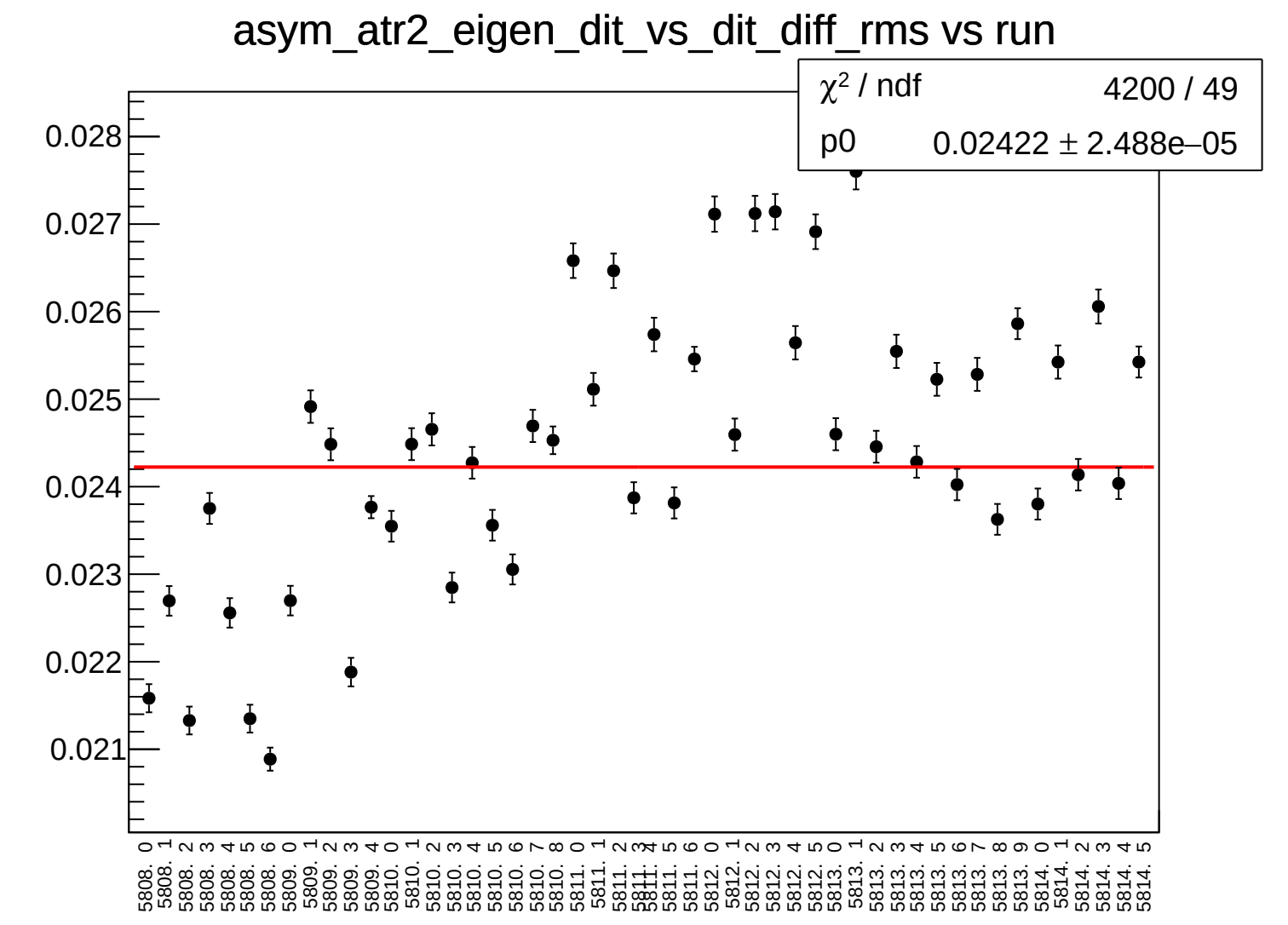

pull1D
Entries 50
Mean −0.008741
Std Dev 1.044

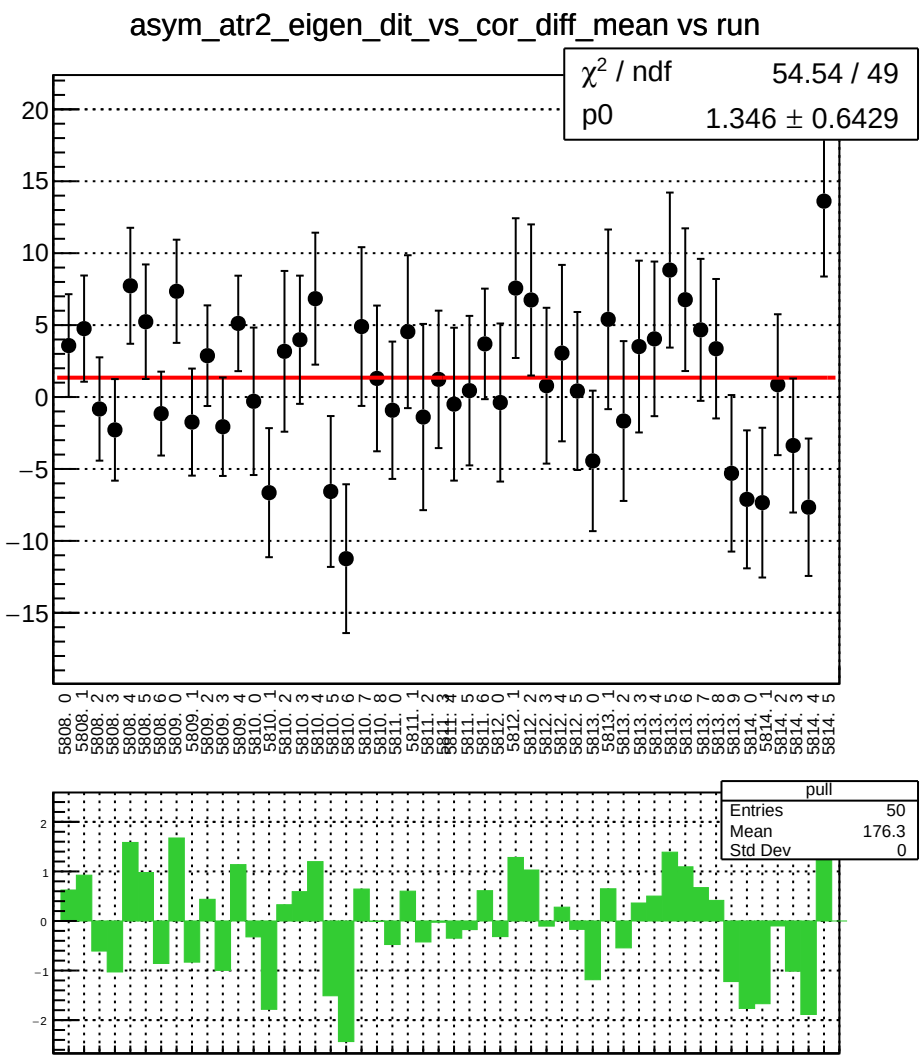

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 3.02e+04 / 49
p0 436.5 ± 0.4546
600
550
500
450
400
350
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

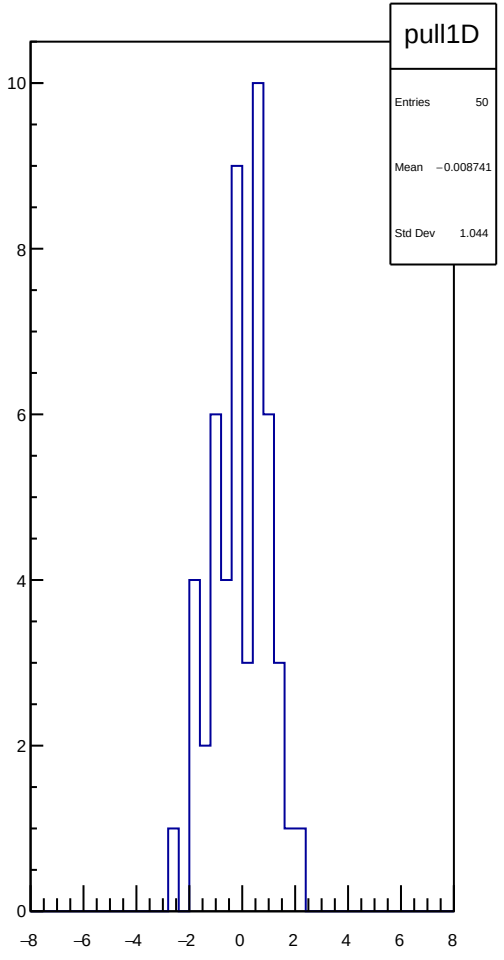

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.54 / 49
p0 1.346 ± 0.6429
pull
Entries 50
Mean 176.3
Std Dev 0
pull1D
Entries 50
Mean −0.008741
Std Dev 1.044

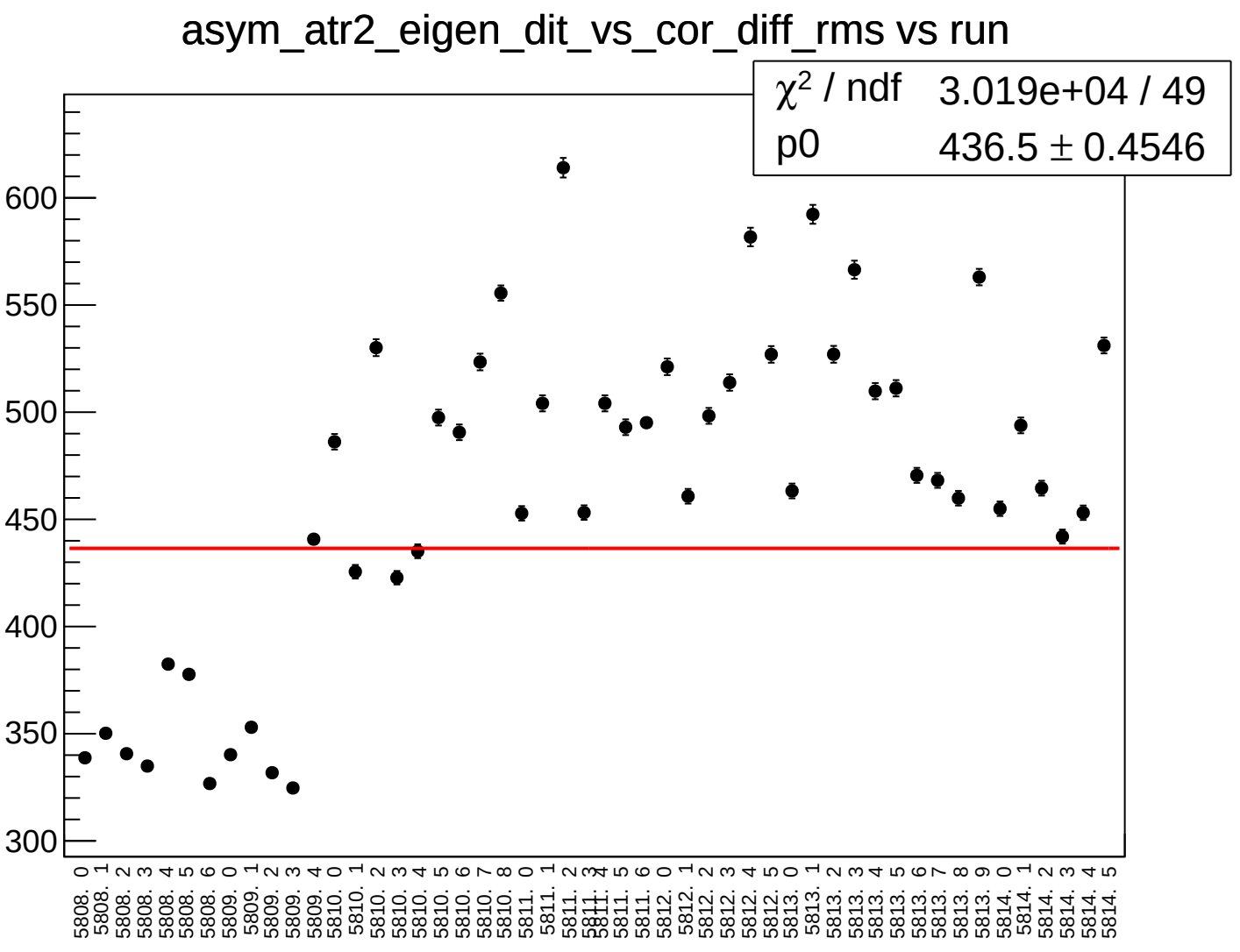

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.02e+04 / 49
p0 436.5 ± 0.4546
600
550
500
450
400
350
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

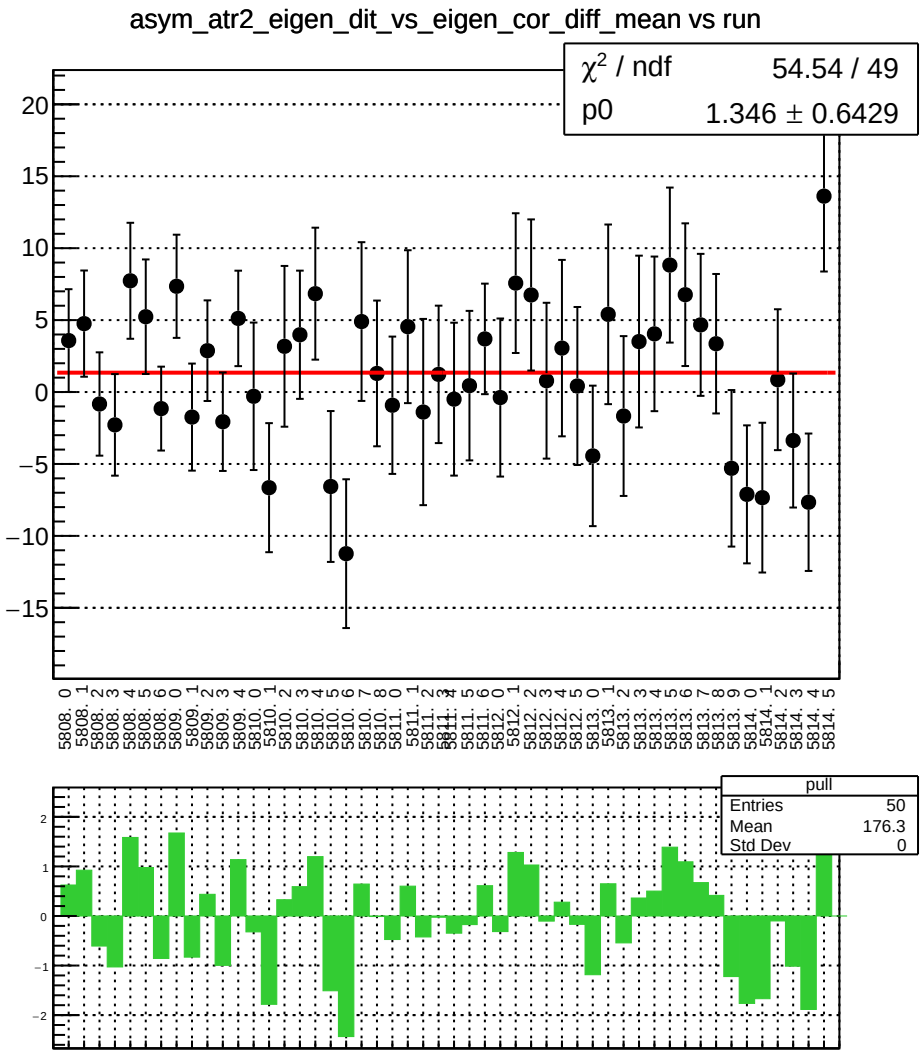

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 47.69 / 49
p0 −6.327e−05 ± 3.519e−05
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3190
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.001334
Std Dev 0.9766
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

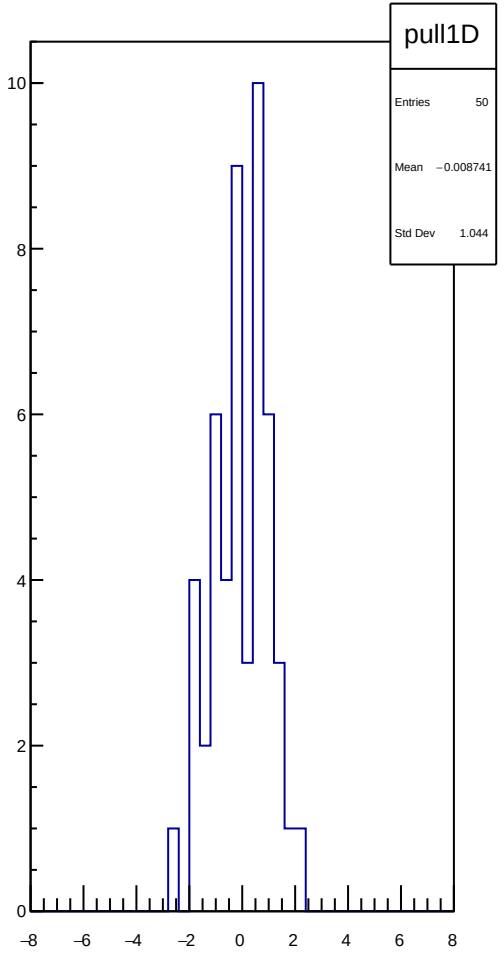

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4200 / 49
p0 0.02422 ± 2.488e–05
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

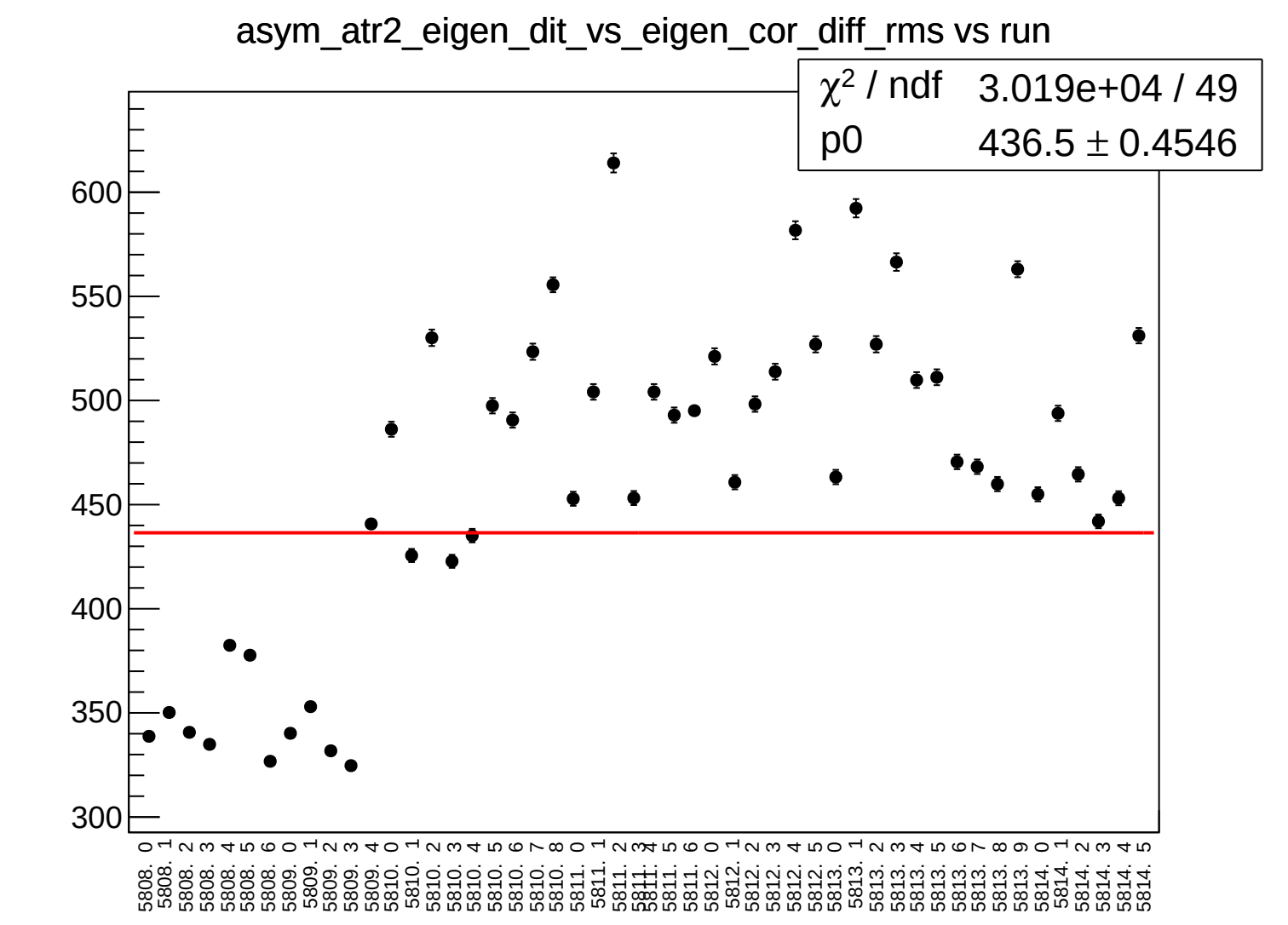

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.54 / 49
p0 1.346 ± 0.6429
pull
Entries 50
Mean 176.3
Std Dev 0

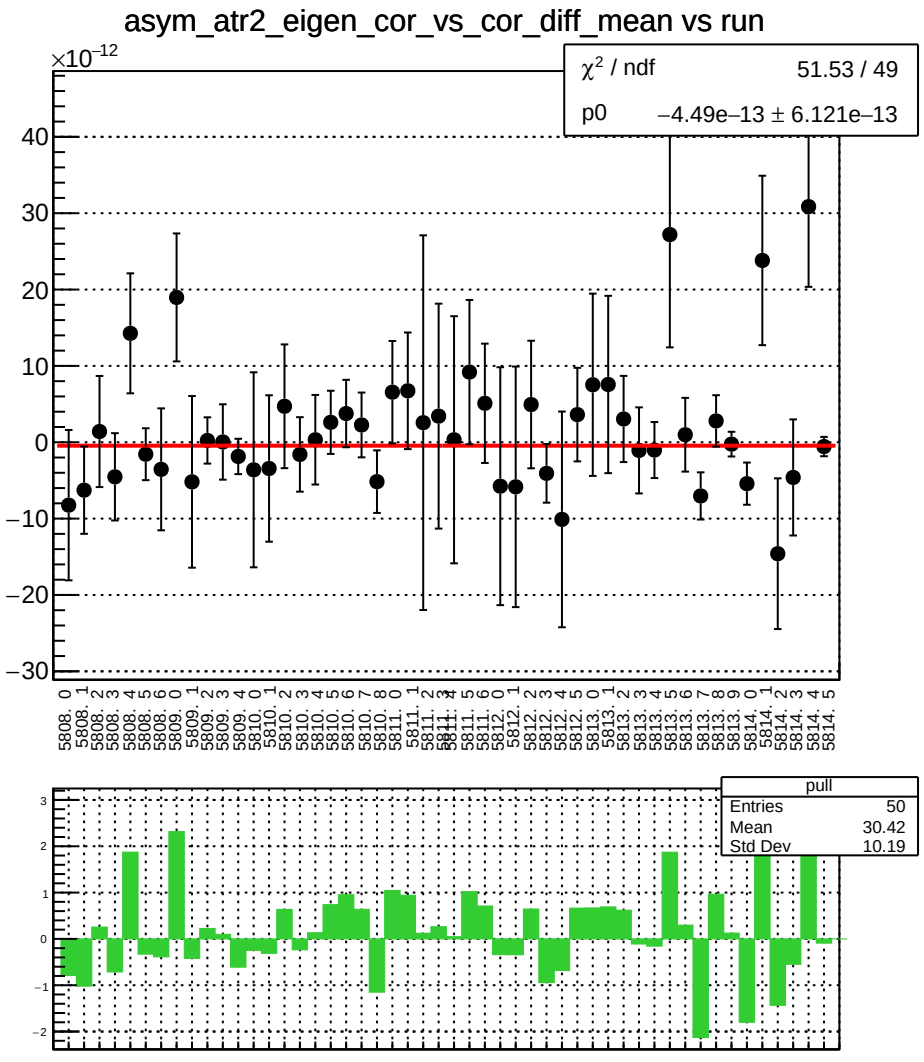

pull1D
Entries 50
Mean −0.008741
Std Dev 1.044

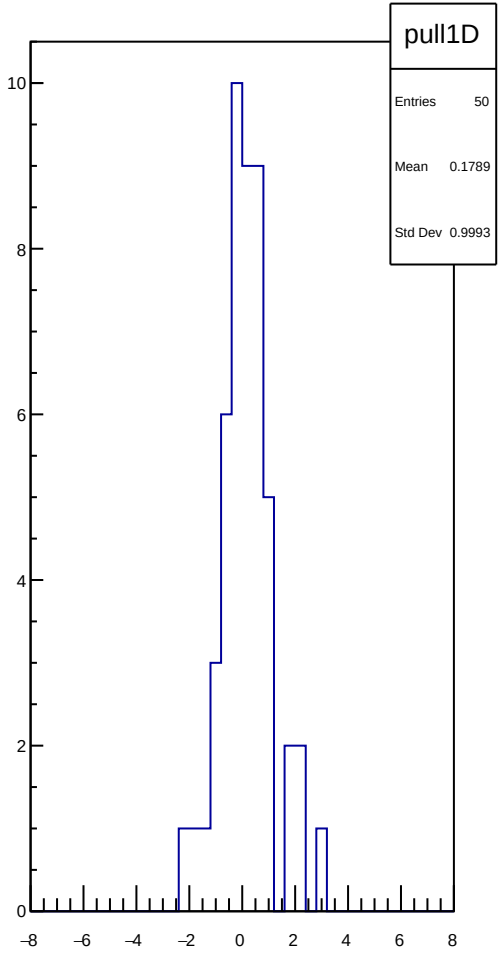

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.019e+04 / 49
p0 436.5 ± 0.4546
600
550
500
450
400
350
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

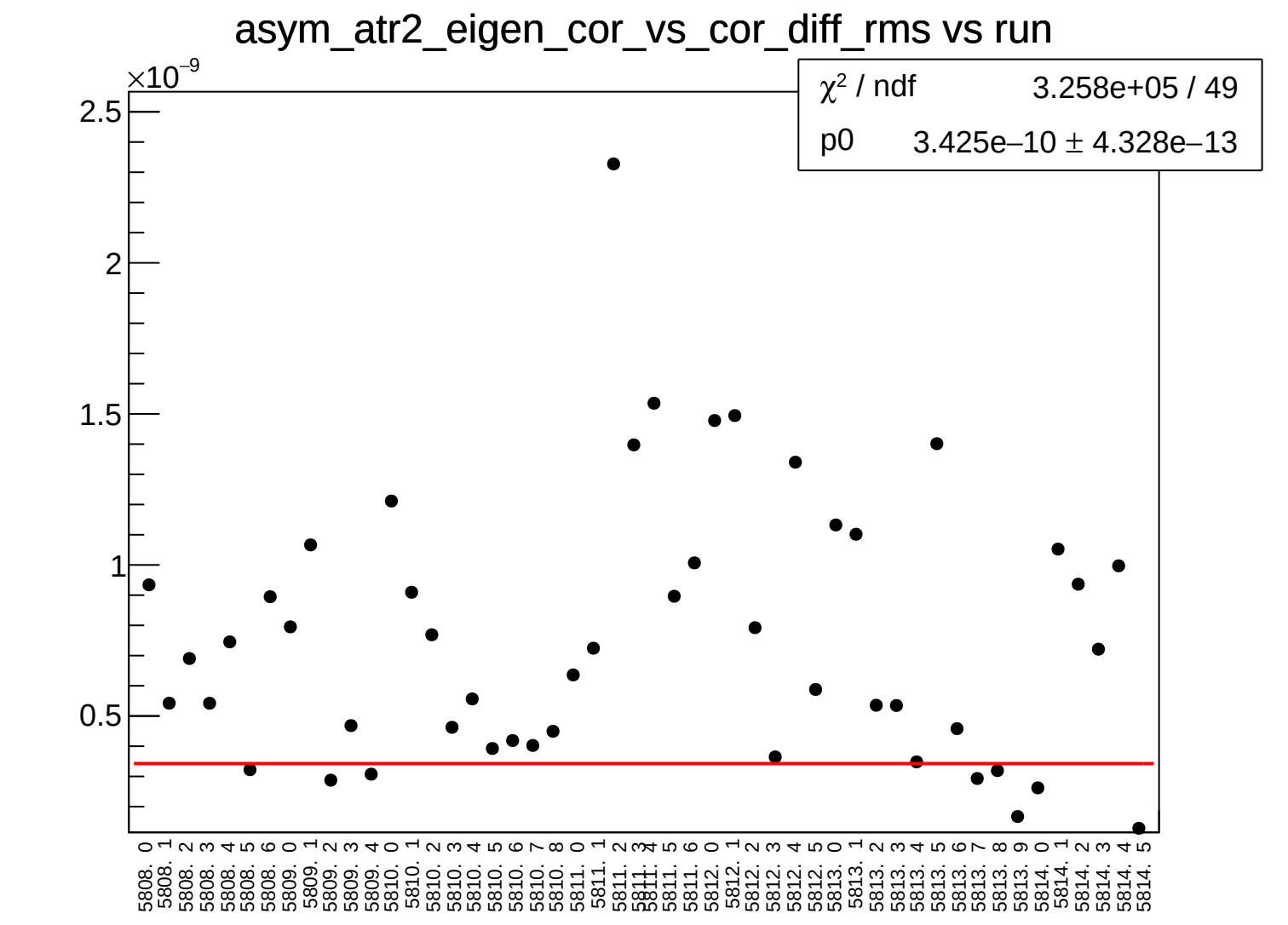

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.54 / 49
p0 1.346 ± 0.6429
pull
Entries 50
Mean 176.3
Std Dev 0

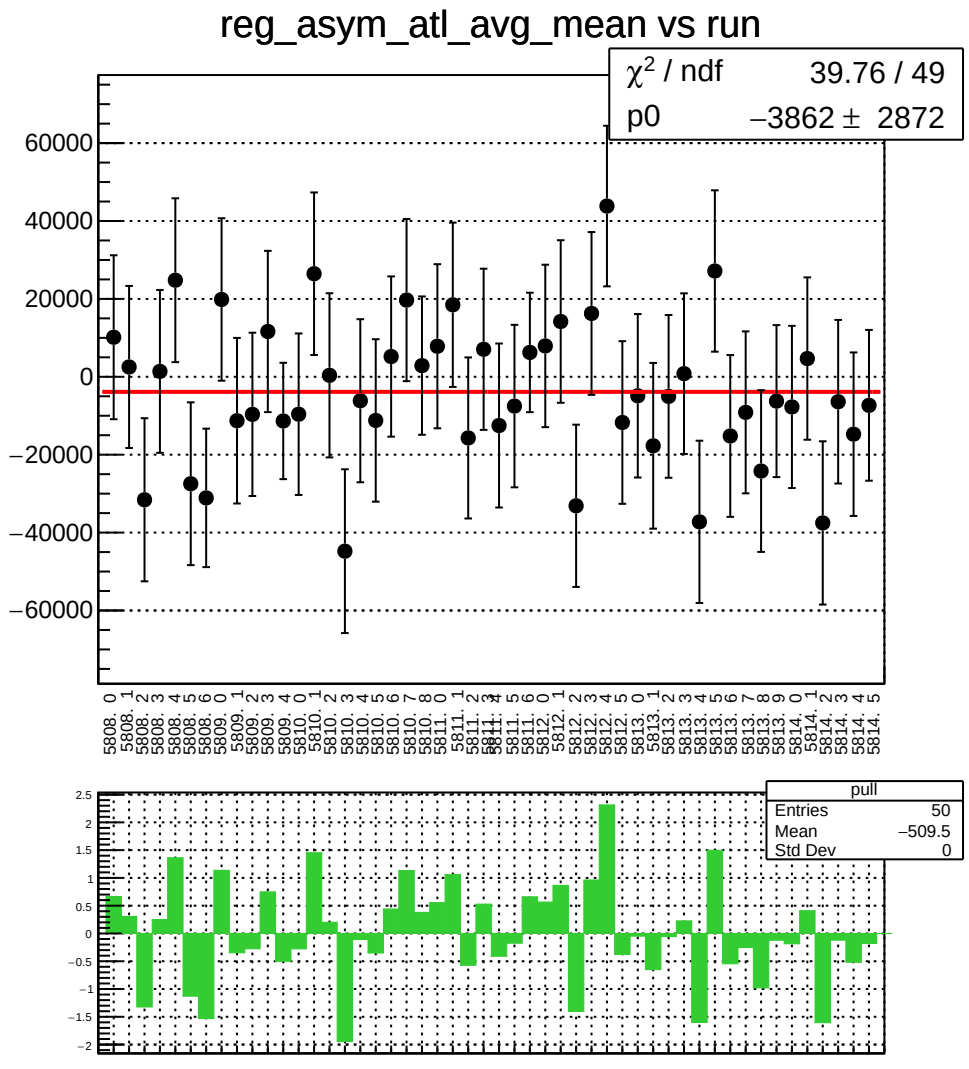

pull1D
Entries 50
Mean −0.008741
Std Dev 1.044

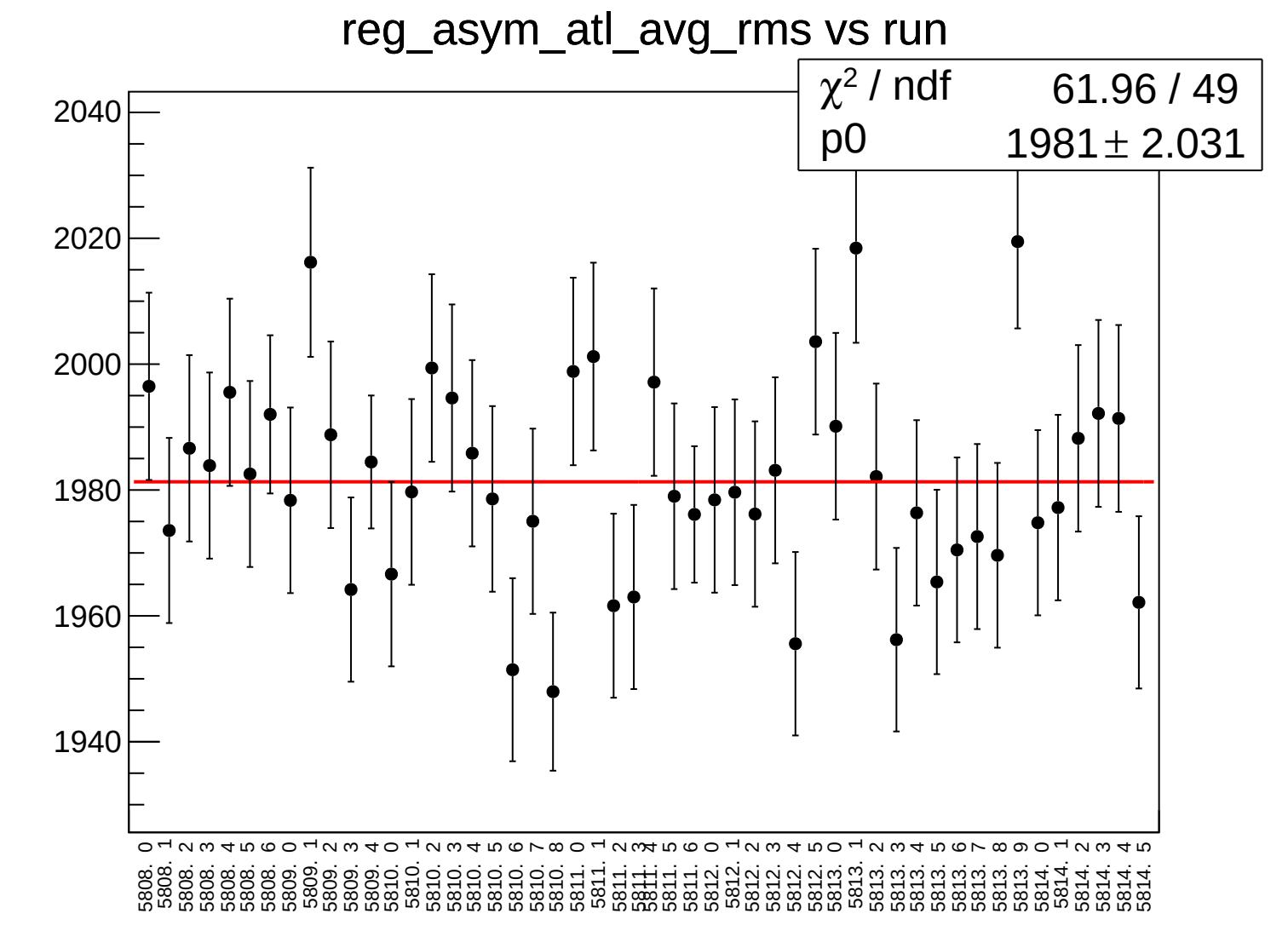

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.019e+04 / 49
p0 436.5 ± 0.4546
600
550
500
450
400
350
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.53 / 49
p0 −4.49e−13 ± 6.121e−13
pull
Entries 50
Mean 30.42
Std Dev 10.19


pull1D
Entries 50
Mean 0.1789
Std Dev 0.9993


asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.258e+05 / 49
p0 3.425e−10 ± 4.328e−13
2.5
2
1.5
1
0.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atl_avg_mean vs run
χ² / ndf 39.76 / 49
p0 −3862 ± 2872
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −509.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.002437
Std Dev 0.8918
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_rms vs run
χ² / ndf 61.96 / 49
p0 1981 ± 2.031
2040
2020
2000
1980
1960
1940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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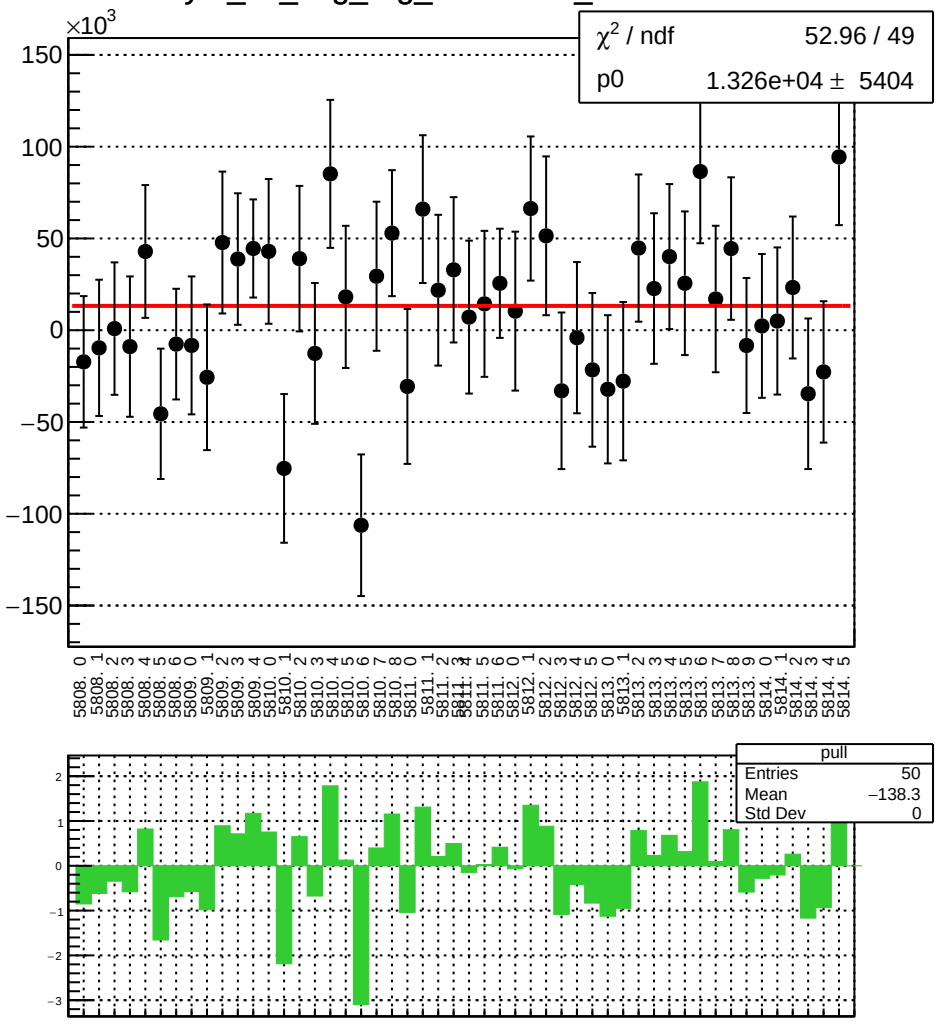
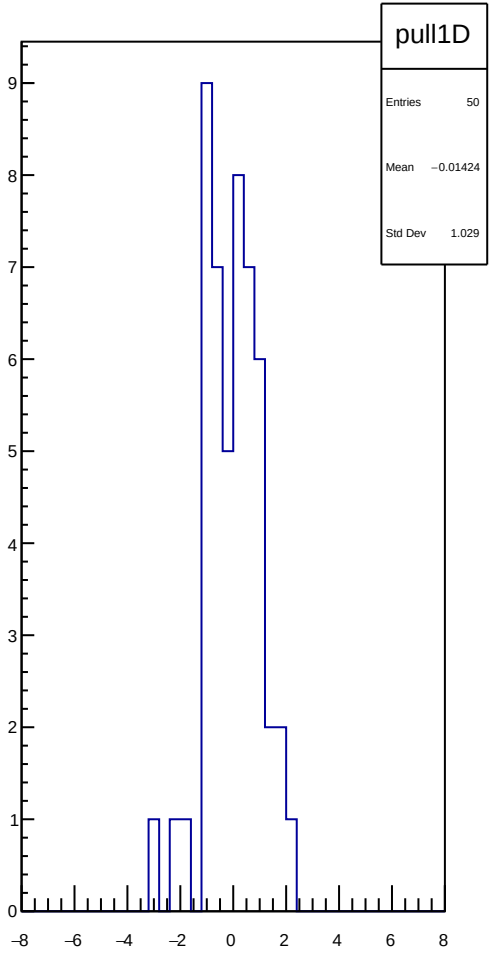
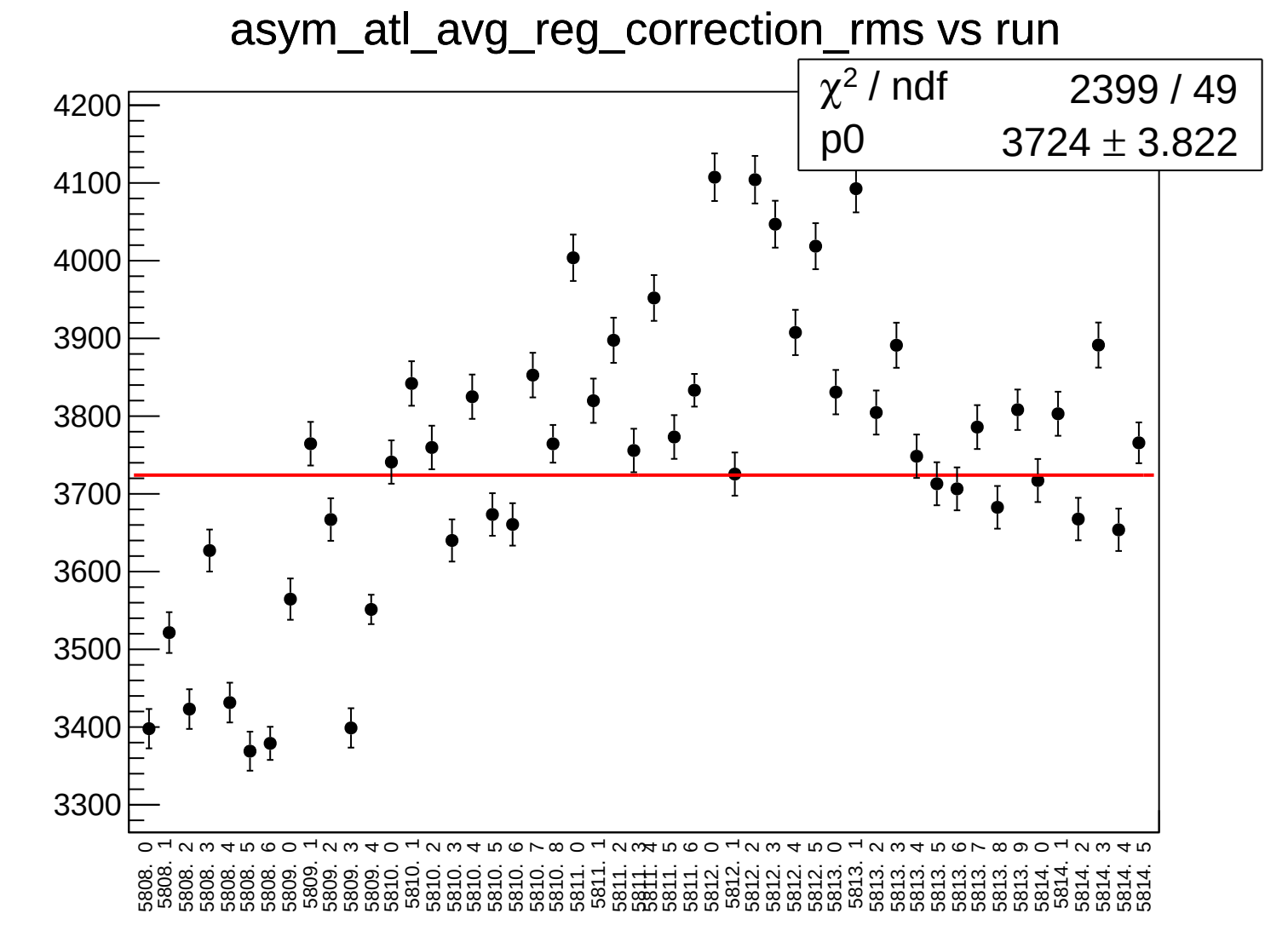
5814. 4
5814. 5


asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 52.96 / 49
p0 1.326e+04 ± 5404
pull
Entries 50
Mean −138.3
Std Dev 0


pull1D
Entries 50
Mean −0.01424
Std Dev 1.029


asym_atl_avg_reg_correction_rms vs run
χ² / ndf 2399 / 49
p0 3724 ± 3.822
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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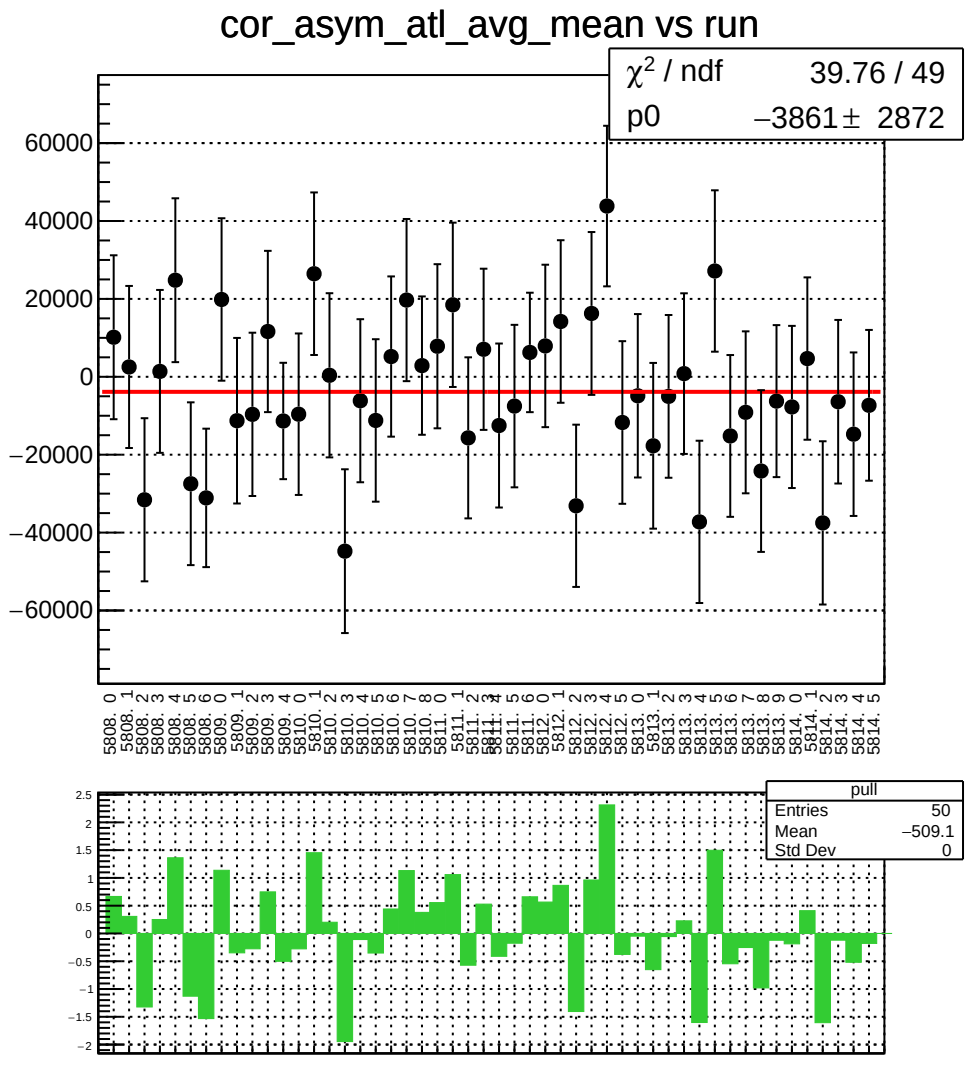
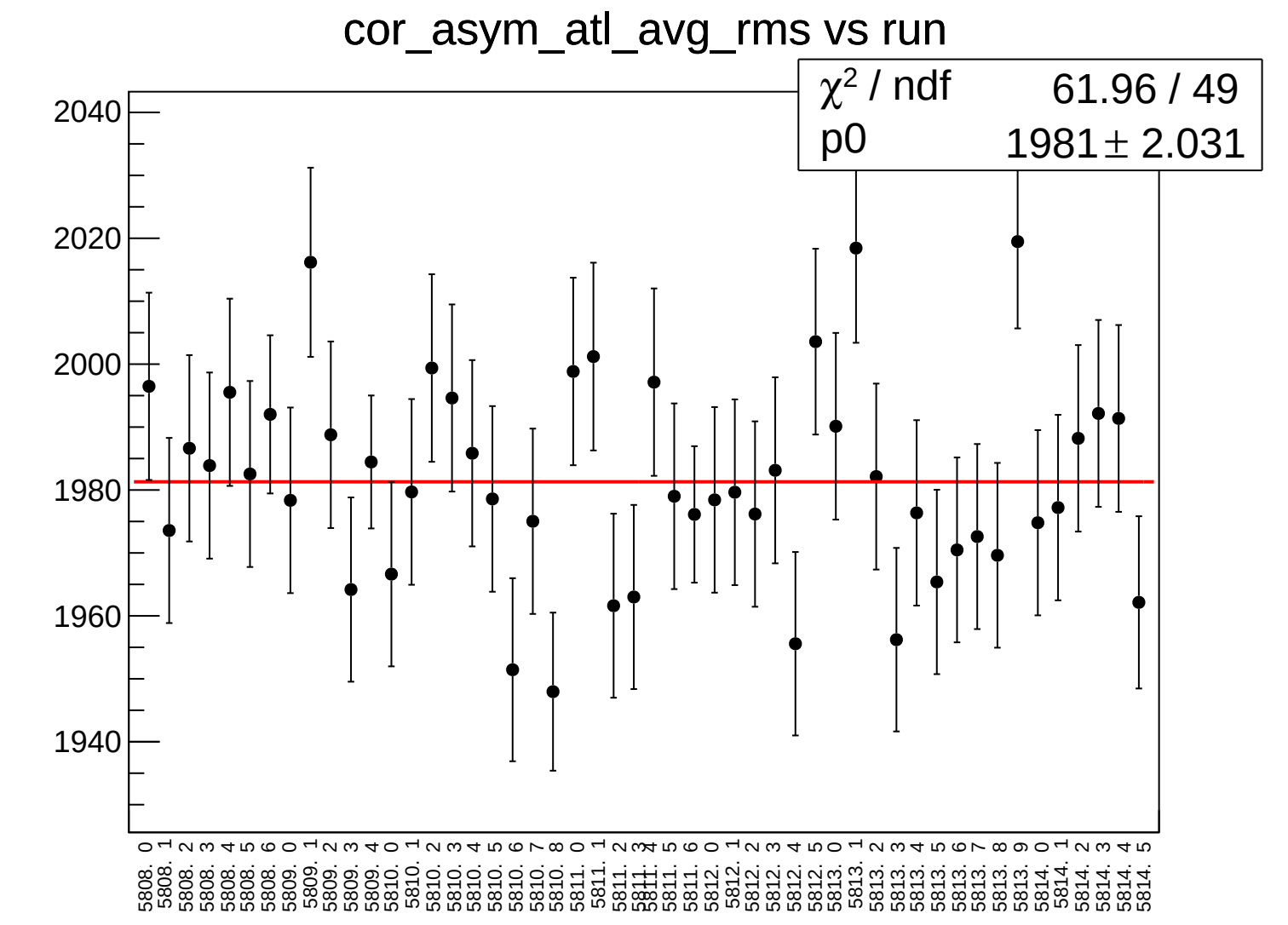
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_atl_avg_mean vs run
χ² / ndf 39.76 / 49
p0 −3861 ± 2872
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −509.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.002439
Std Dev 0.8917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_rms vs run
χ² / ndf 61.96 / 49
p0 1981 ± 2.031
2040
2020
2000
1980
1960
1940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 0
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5814. 2
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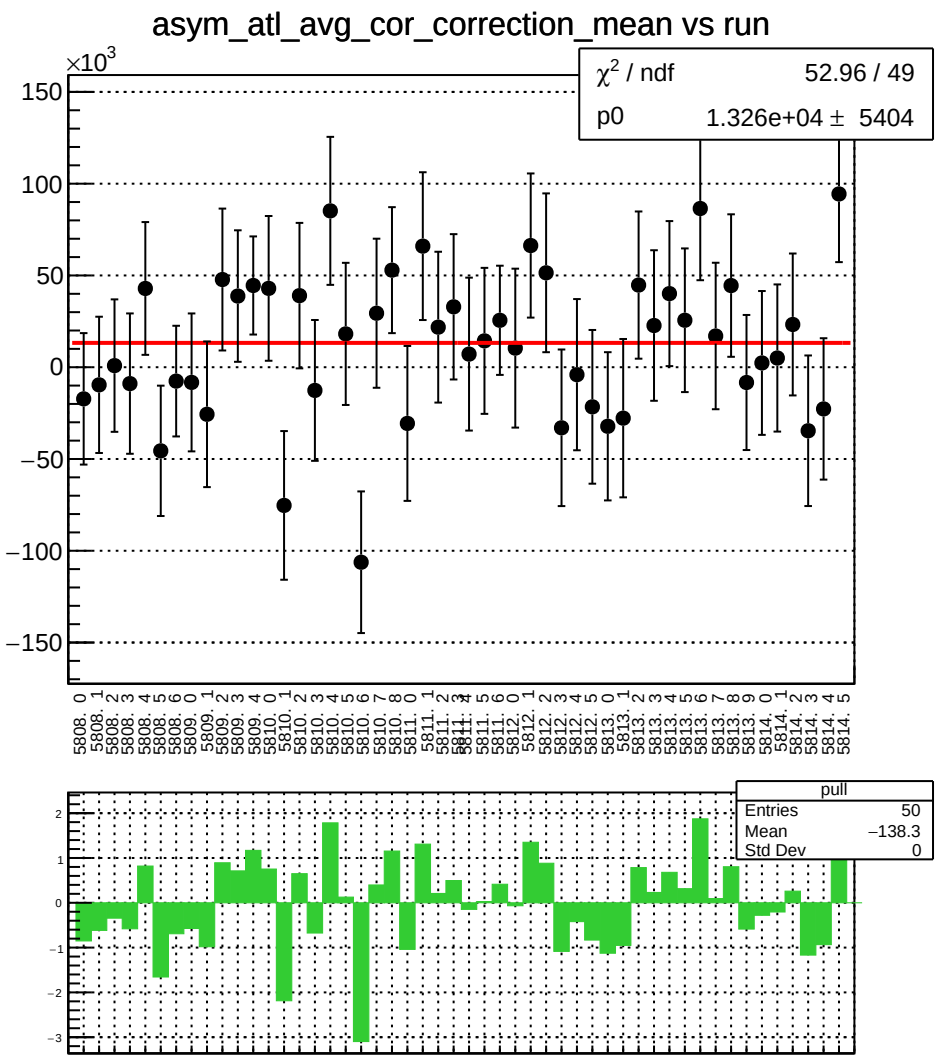
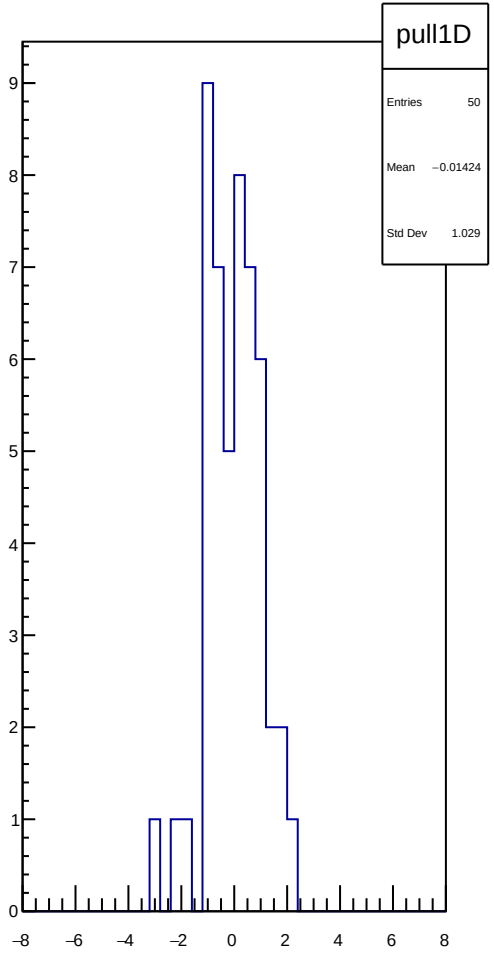
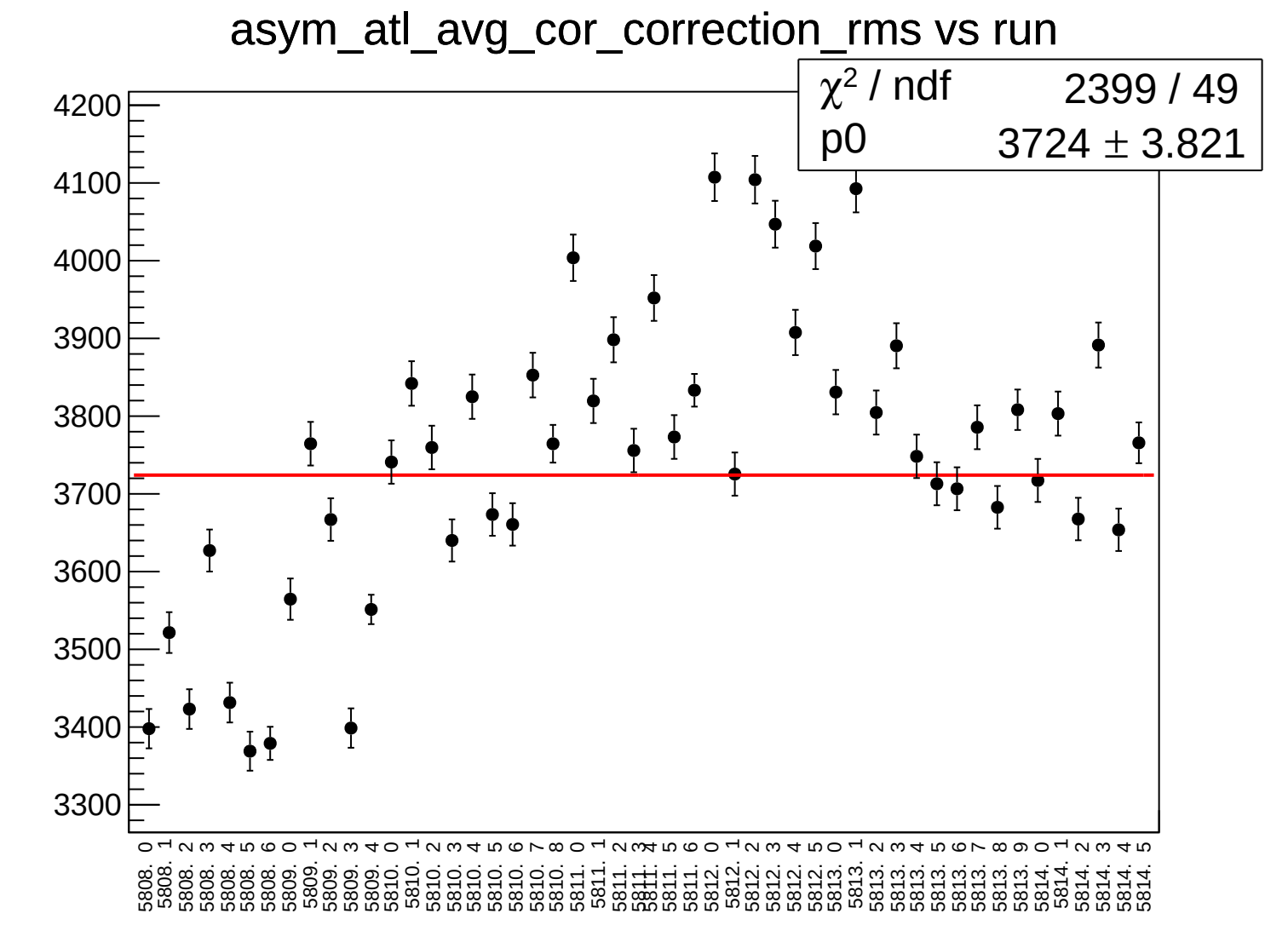
5814. 4
5814. 5


asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 52.96 / 49
p0 1.326e+04 ± 5404
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −138.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01424
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_cor_correction_rms vs run
χ² / ndf 2399 / 49
p0 3724 ± 3.821
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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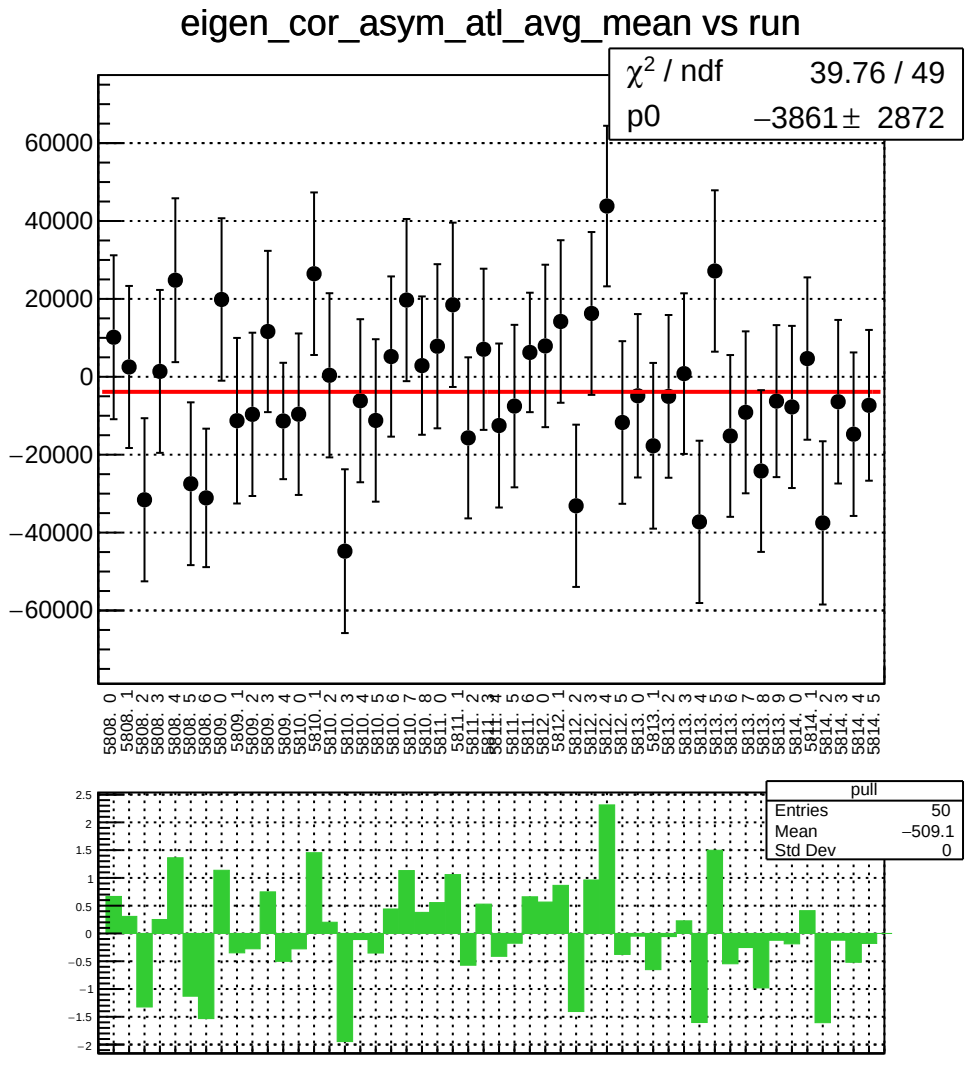
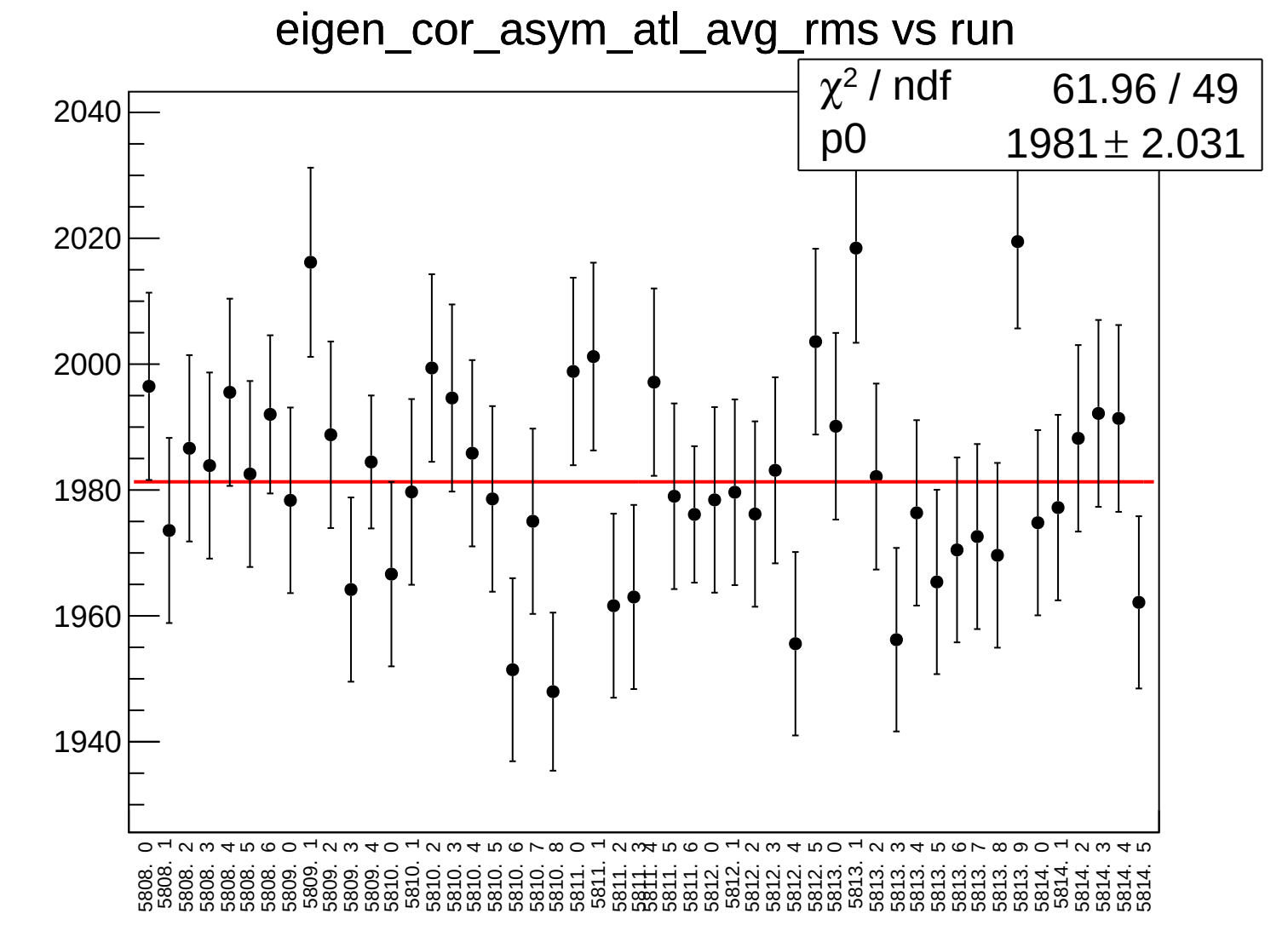
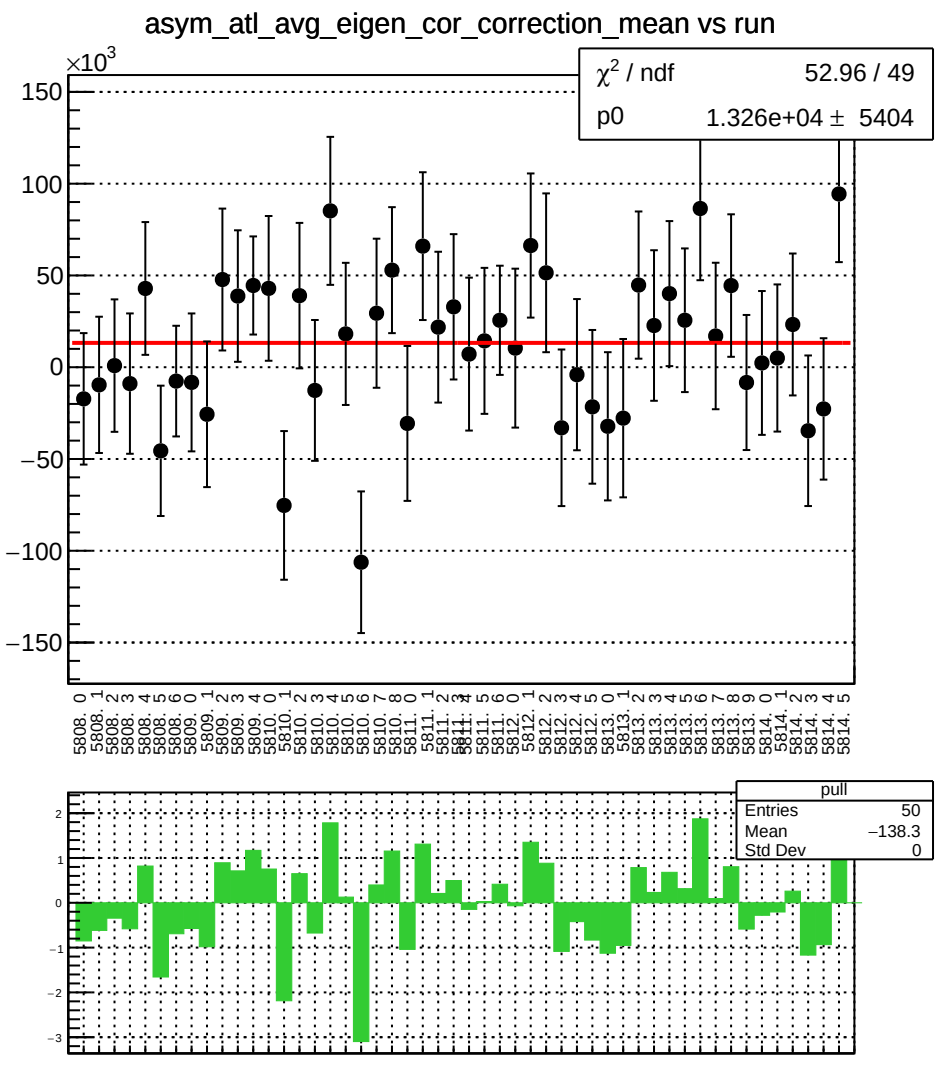
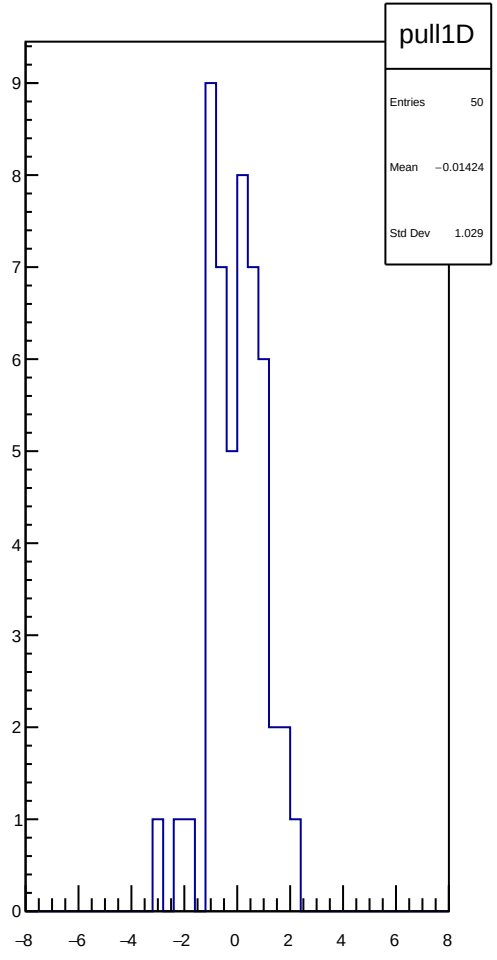
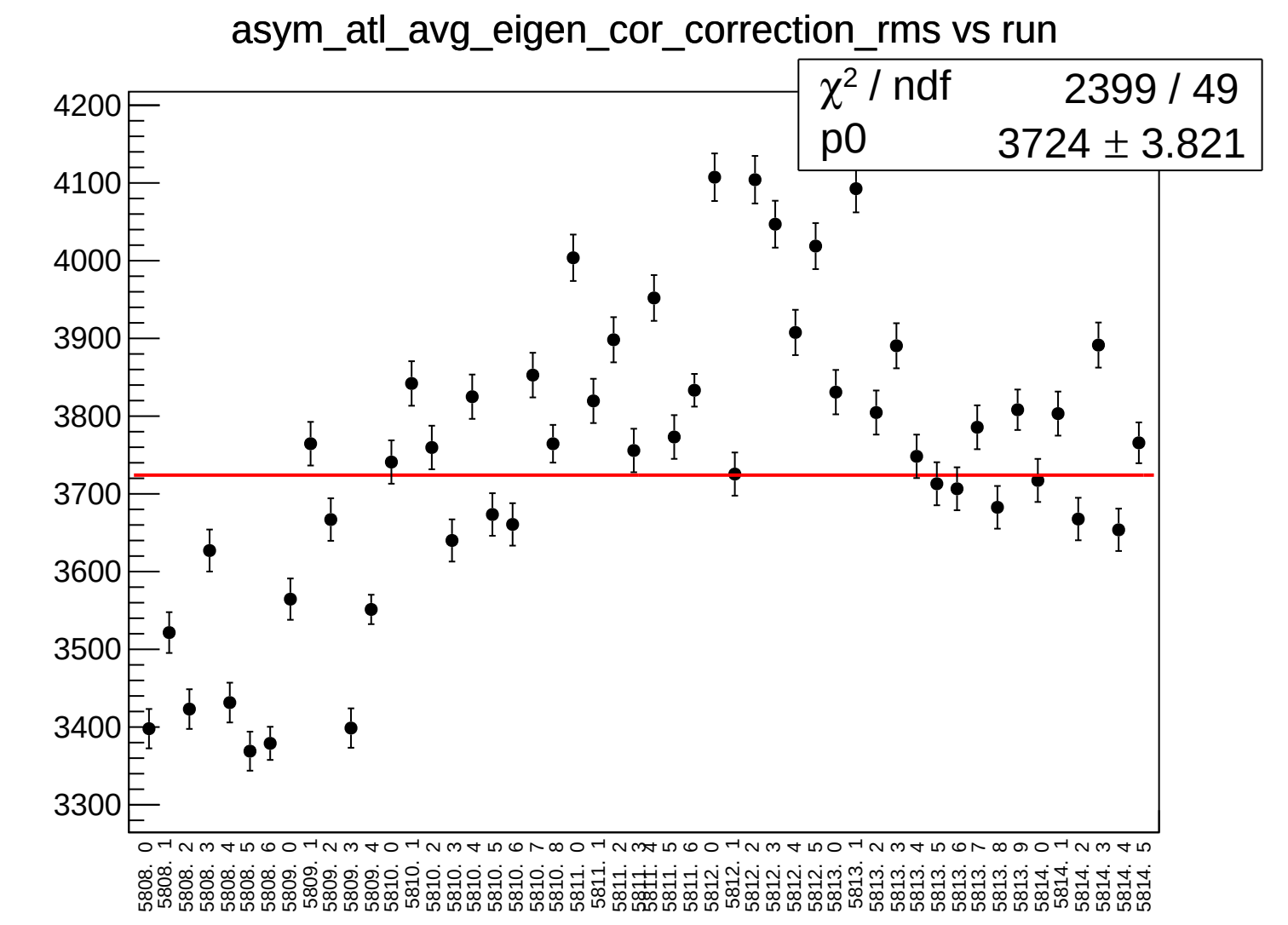
5814. 2
5814. 3
5814. 4
5814. 5

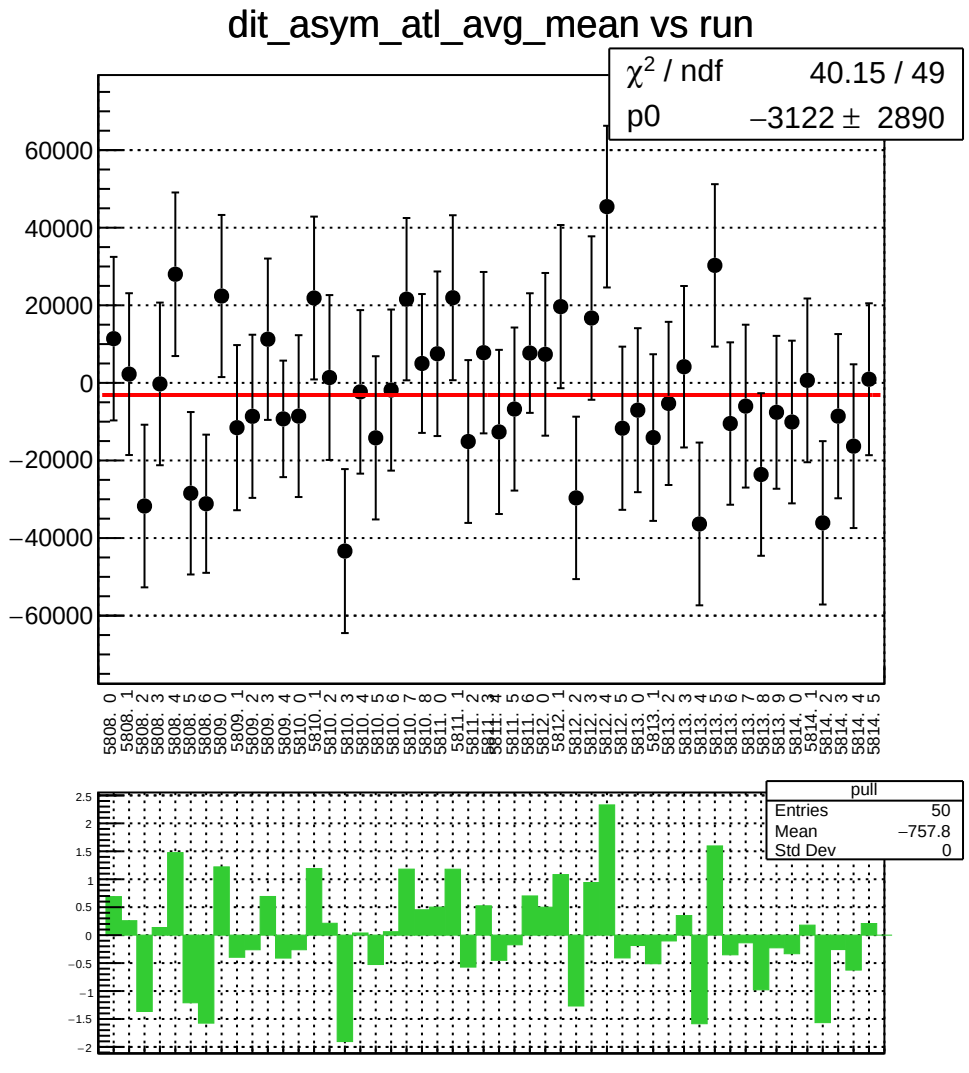

eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 39.76 / 49
p0 −3861 ± 2872
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −509.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.002439
Std Dev 0.8917
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

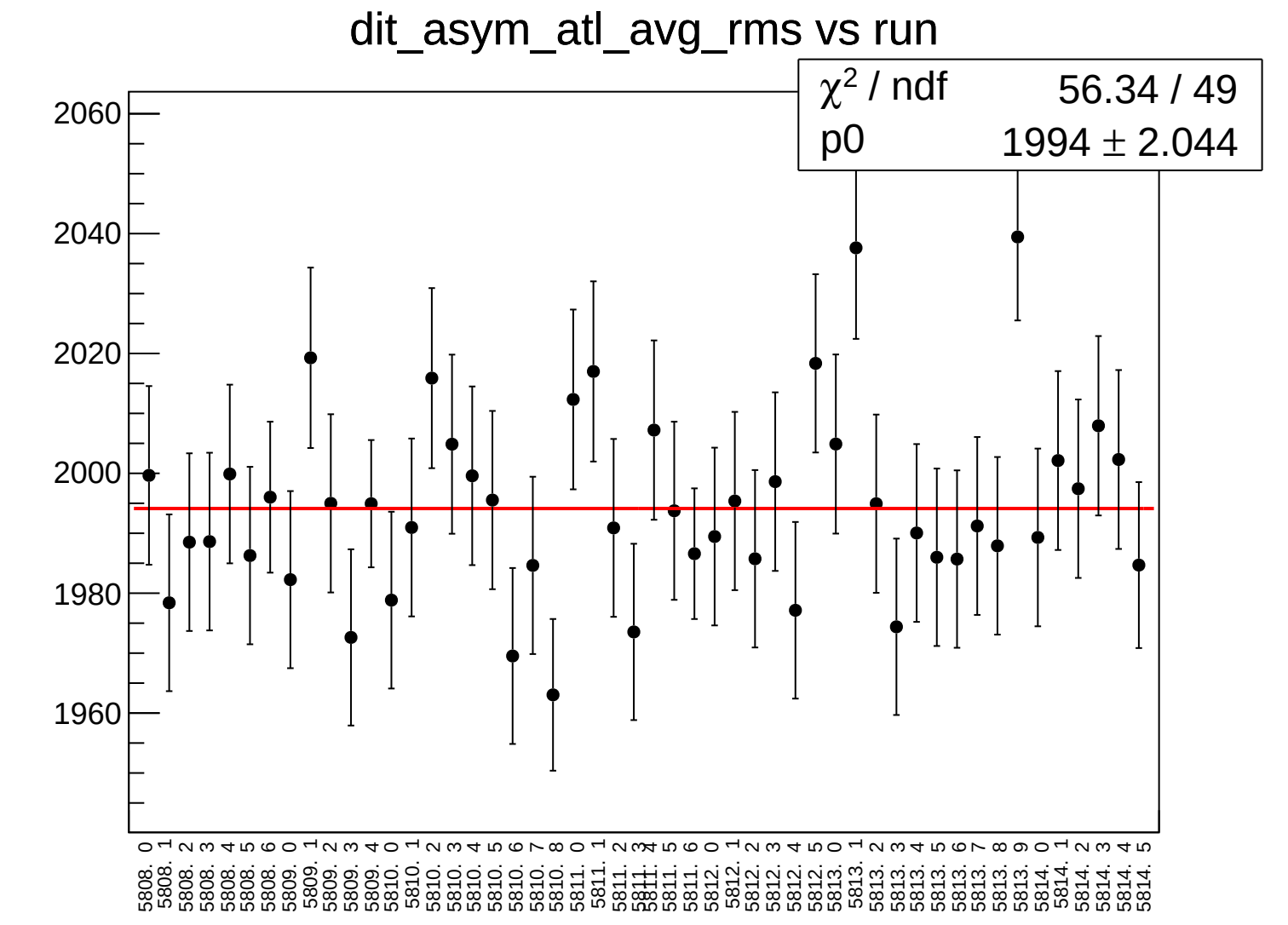

eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 61.96 / 49
p0 1981 ± 2.031
2040
2020
2000
1980
1960
1940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

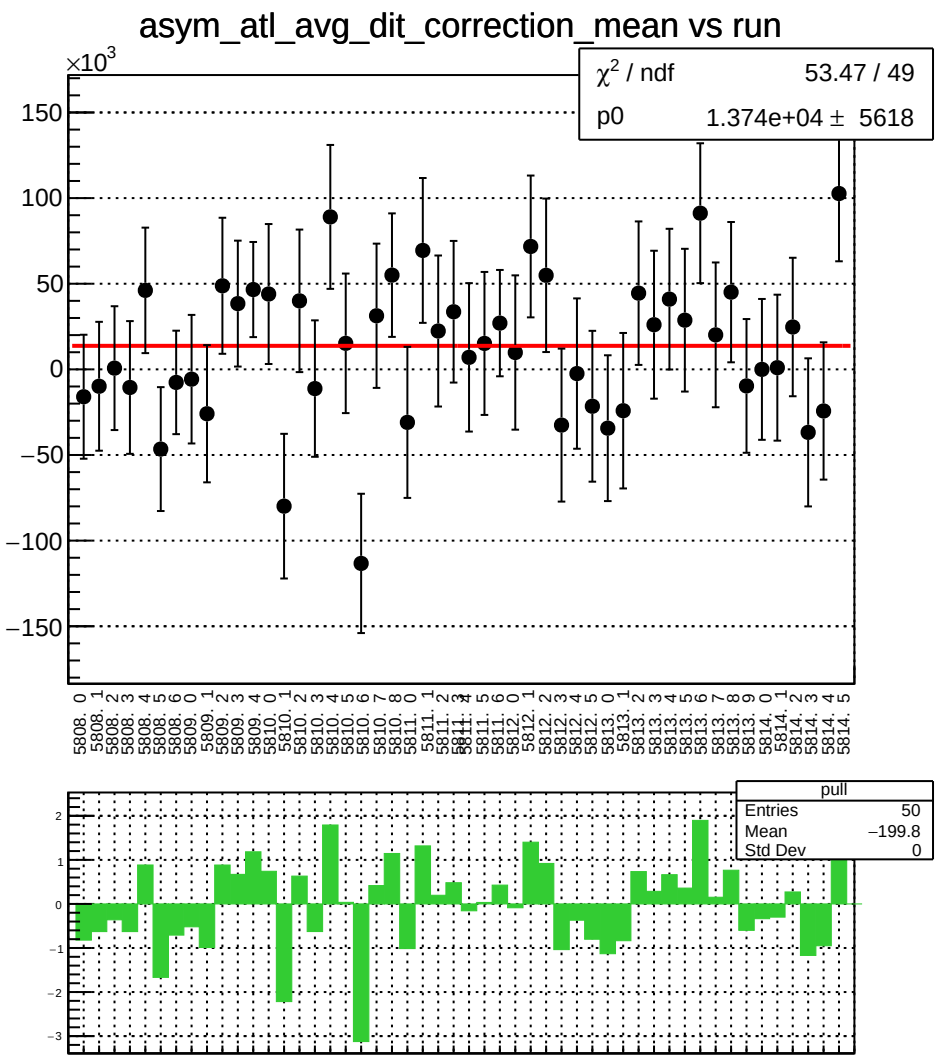

asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.96 / 49
p0 1.326e+04 ± 5404
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −138.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01424
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 2399 / 49
p0 3724 ± 3.821
4200
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_atl_avg_mean vs run
χ^2 / ndf 40.15 / 49
p0 −3122 ± 2890
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −757.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.00138
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_rms vs run
χ² / ndf 56.34 / 49
p0 1994 ± 2.044
2060
2040
2020
2000
1980
1960
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 53.47 / 49
p0 1.374e+04 ± 5618
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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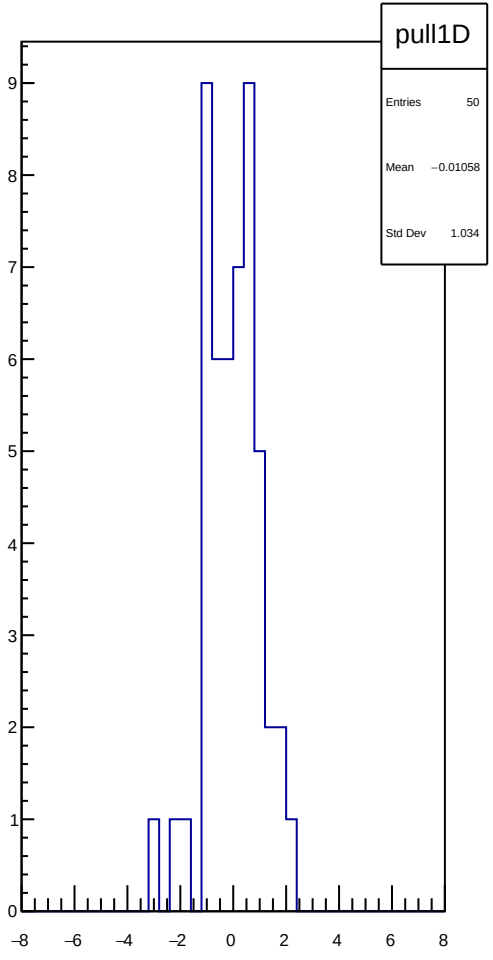
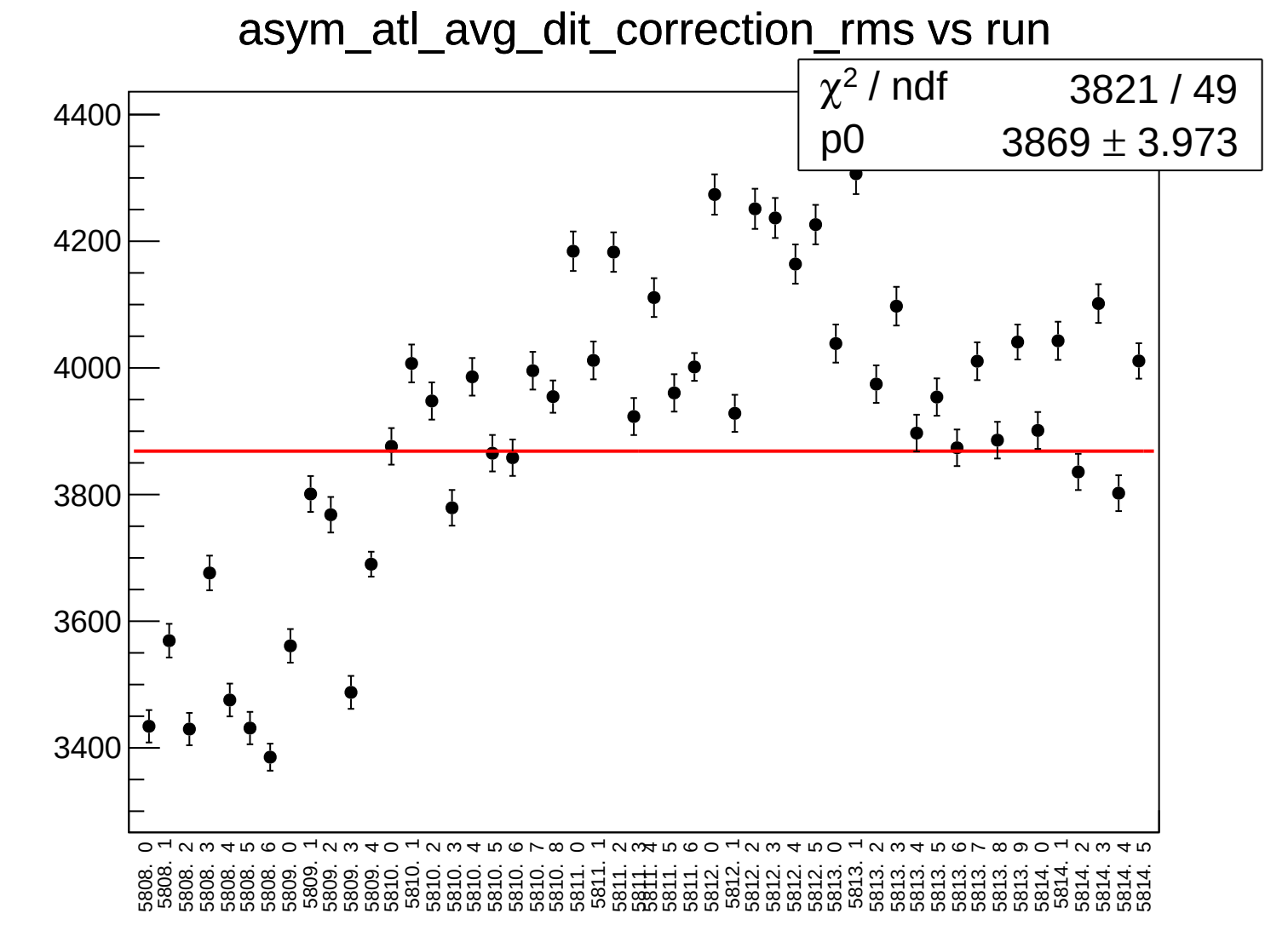
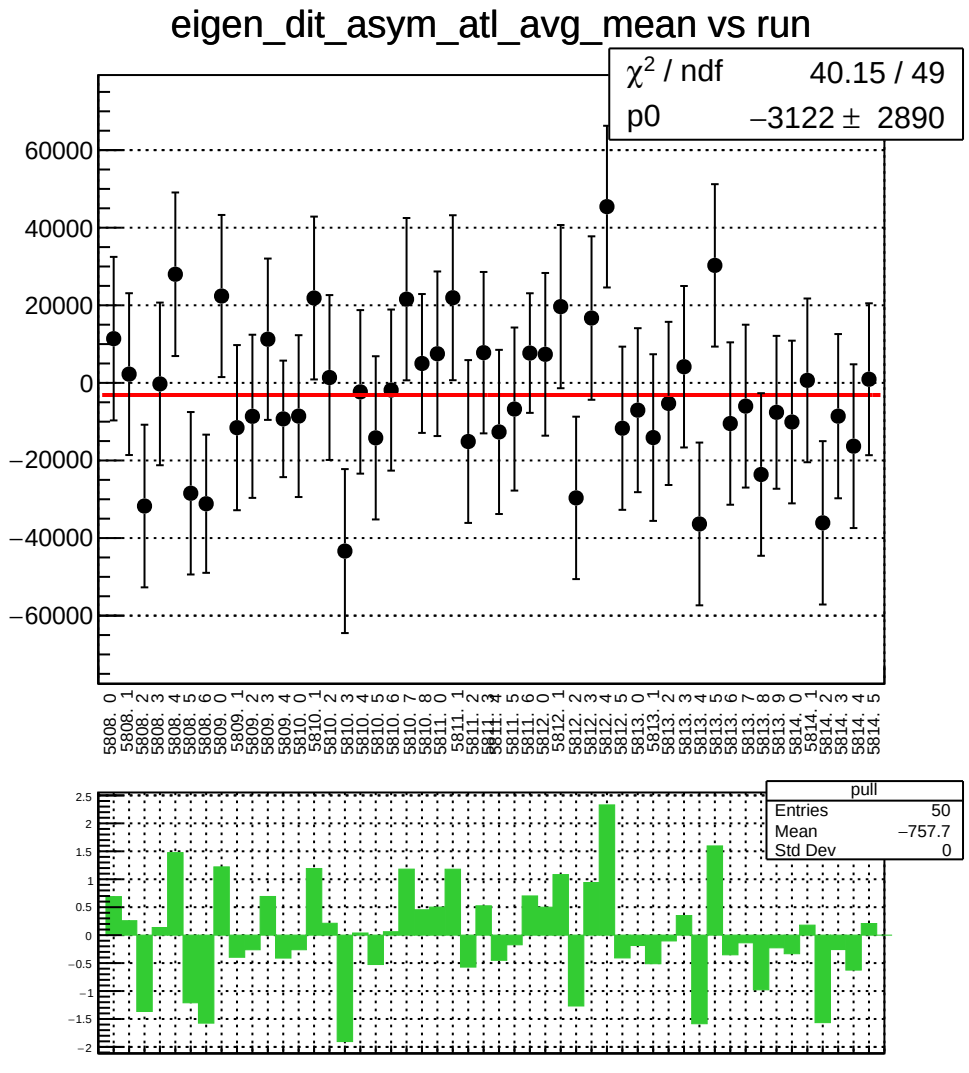
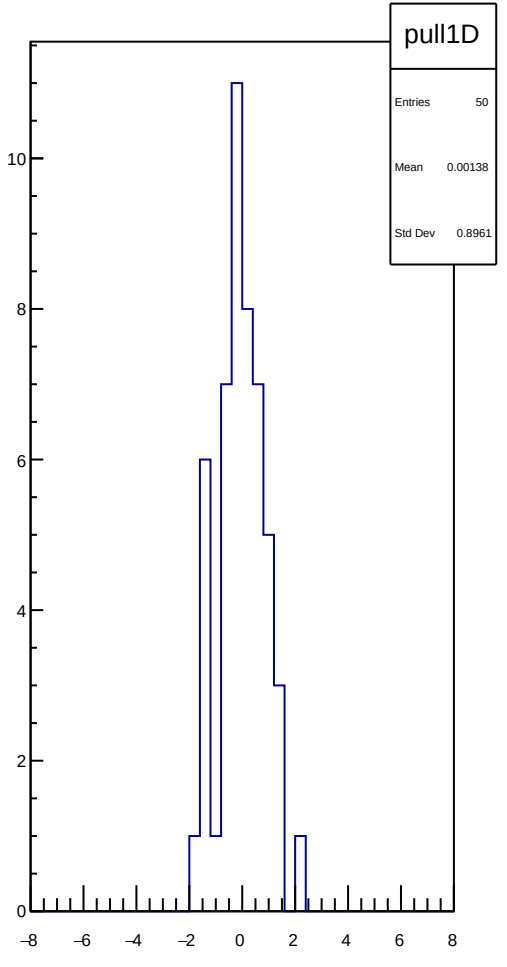
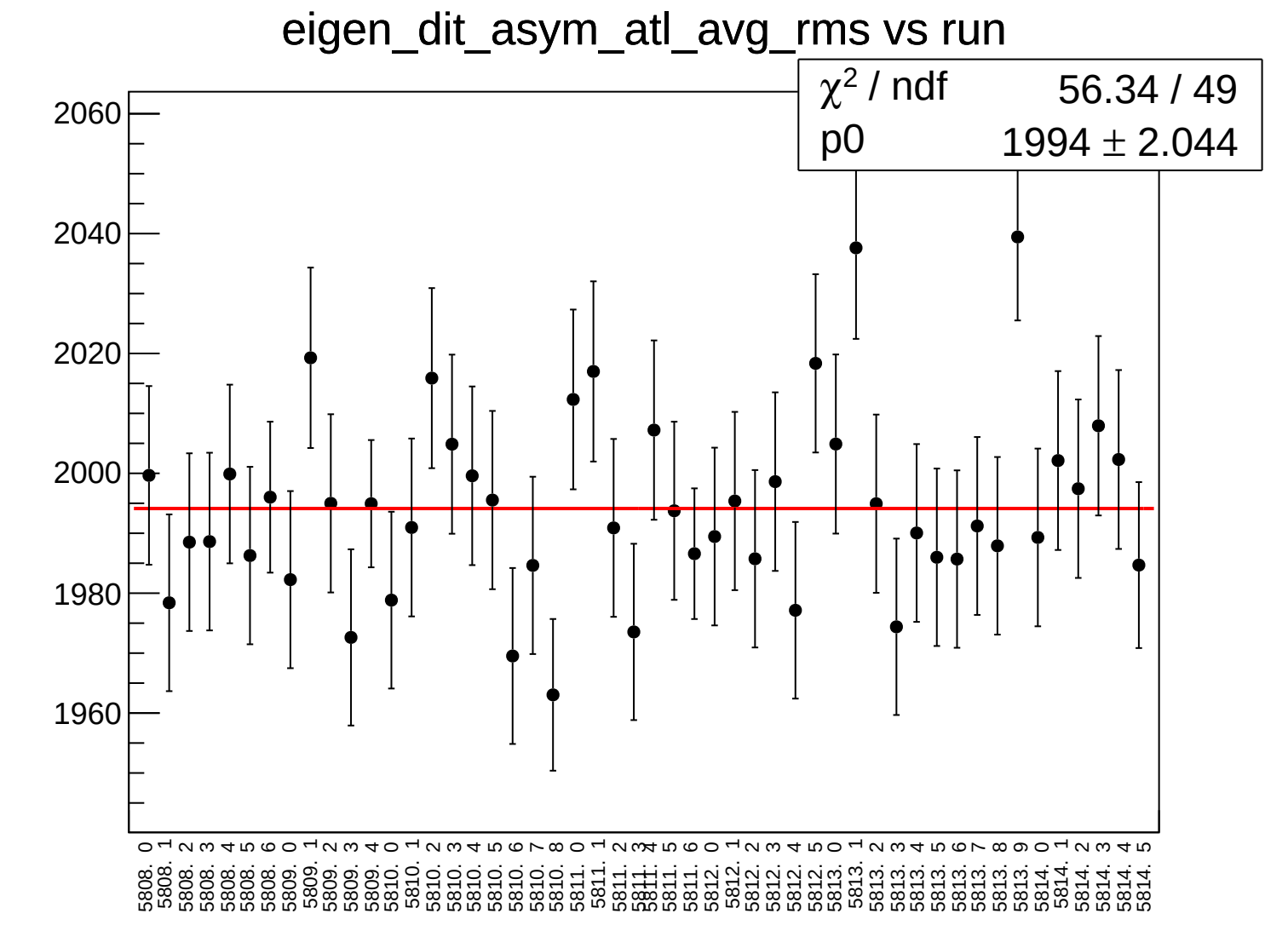
5814. 5
pull
Entries 50
Mean −199.8
Std Dev 0
2
1
0
−1
−2
−3

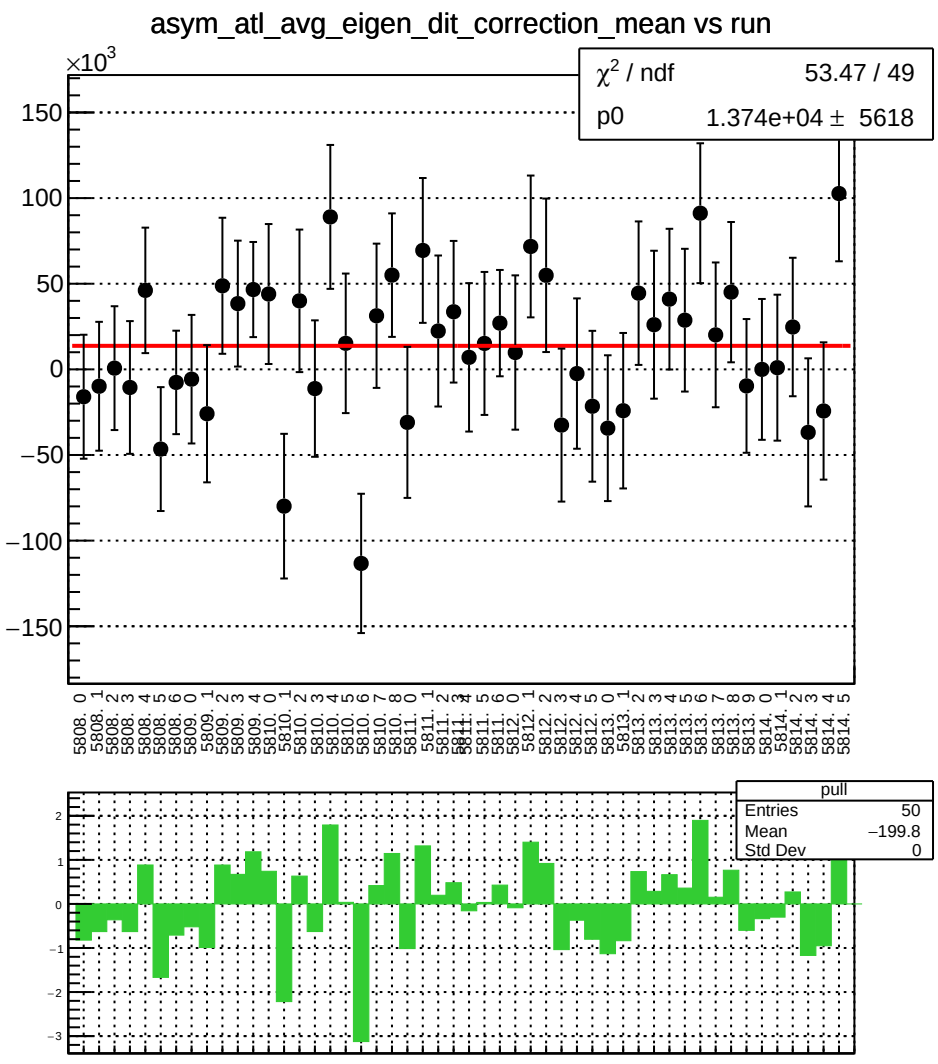

pull1D
Entries 50
Mean −0.01058
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

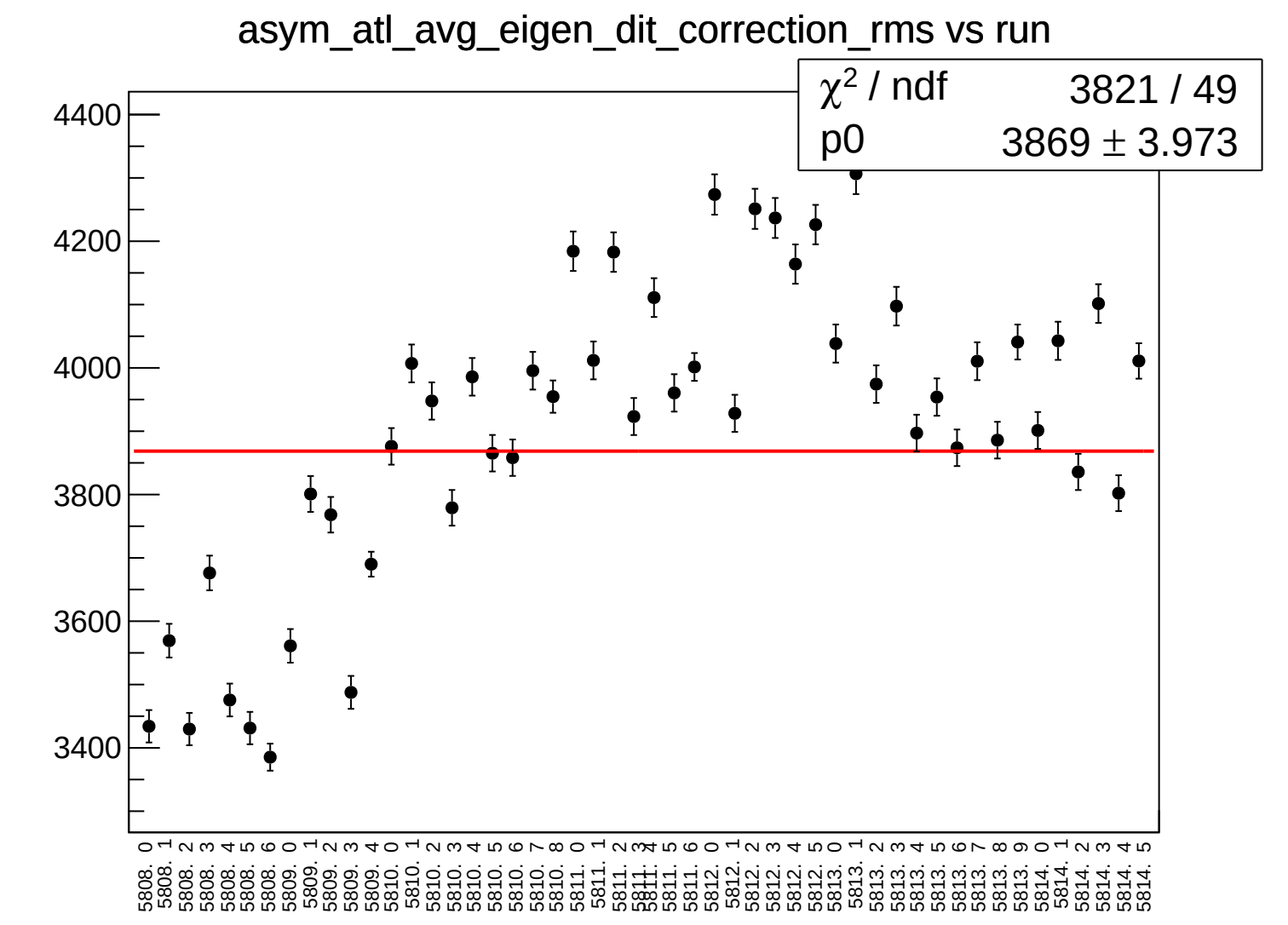

asym_atl_avg_dit_correction_rms vs run
χ² / ndf 3821 / 49
p0 3869 ± 3.973
4400
4200
4000
3800
3600
3400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

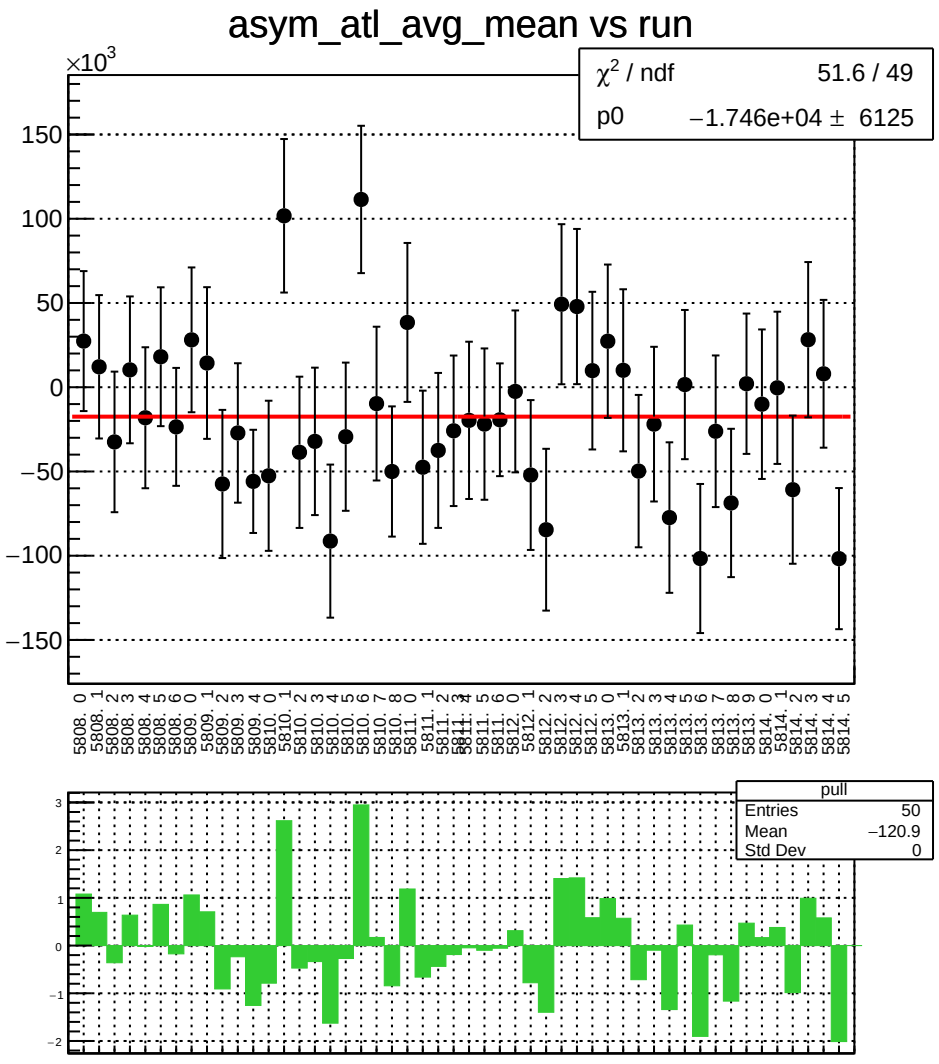

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 40.15 / 49
p0 −3122 ± 2890
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −757.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

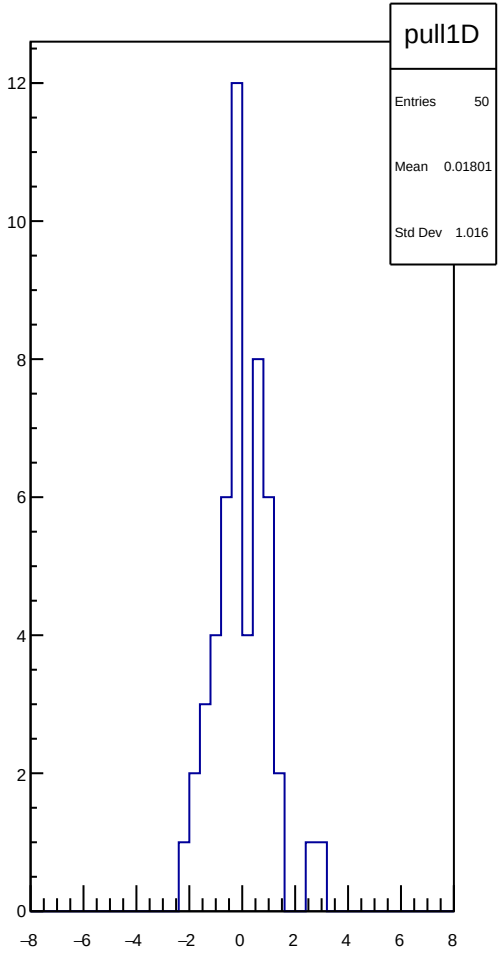

pull1D
Entries 50
Mean 0.00138
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

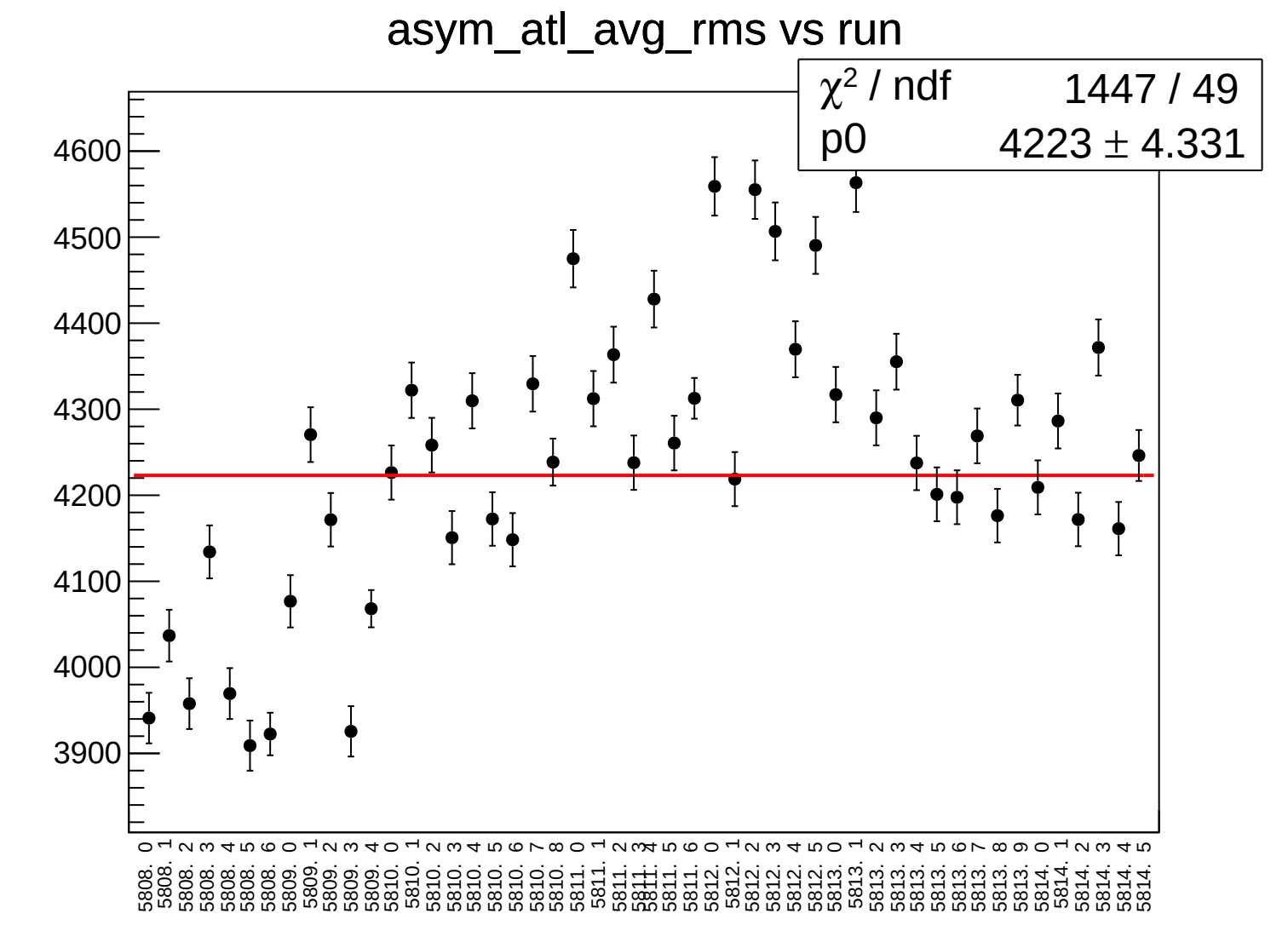

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 56.34 / 49
p0 1994 ± 2.044
2060
2040
2020
2000
1980
1960
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

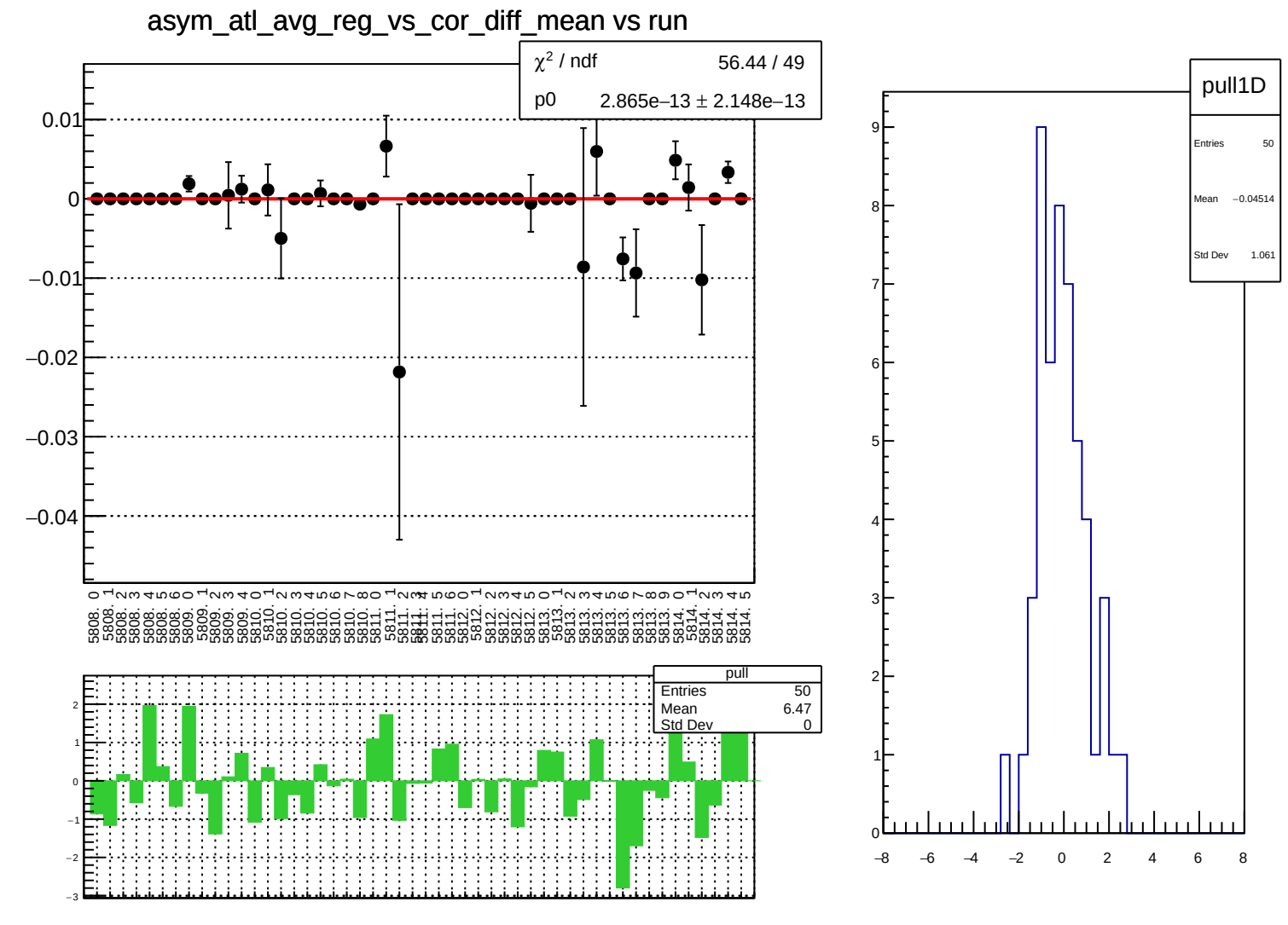

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.47 / 49
p0 1.374e+04 ± 5618
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −199.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01058
Std Dev 1.034
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

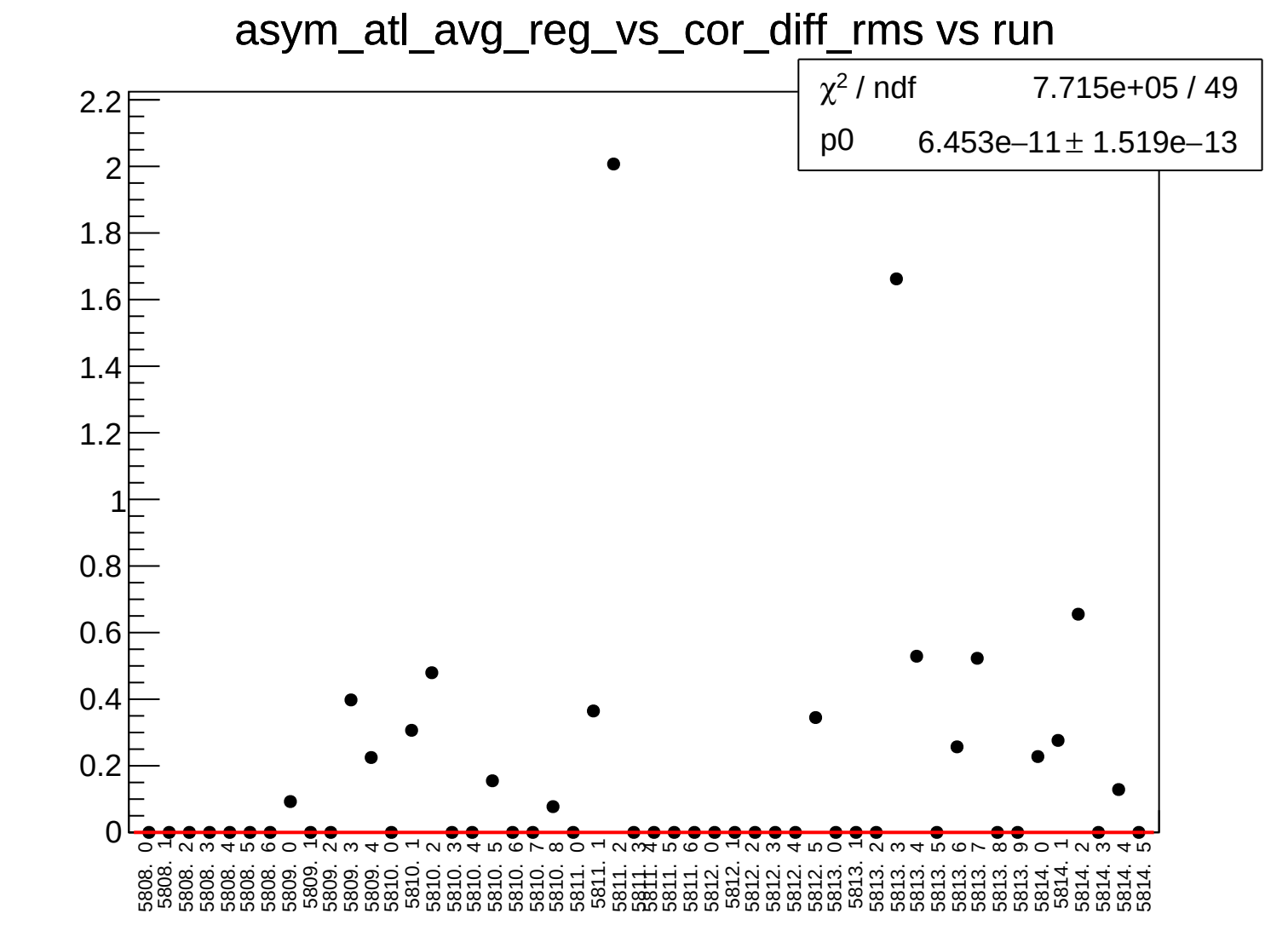

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 3821 / 49
p0 3869 ± 3.973
4400
4200
4000
3800
3600
3400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

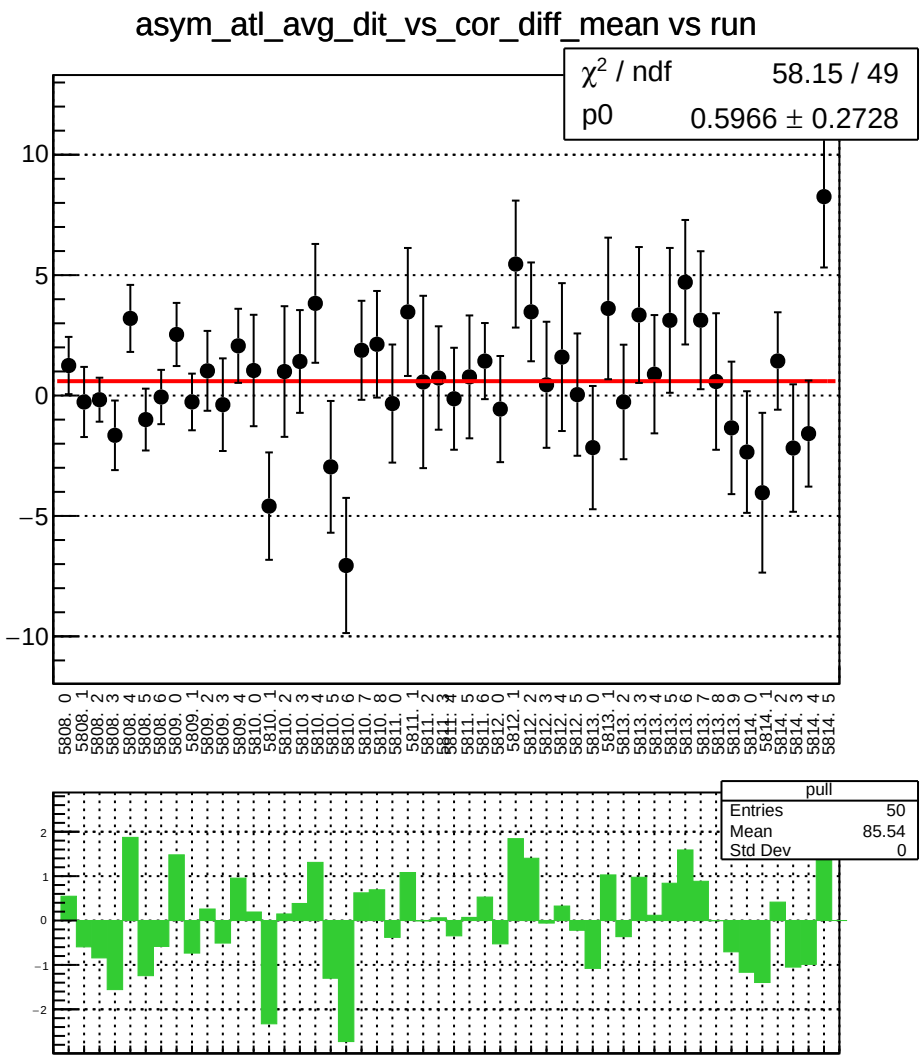

asym_atl_avg_mean vs run
×10^3
χ² / ndf 51.6 / 49
p0 −1.746e+04 ± 6125
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −120.9
Std Dev 0
3
2
1
0
−1
−2

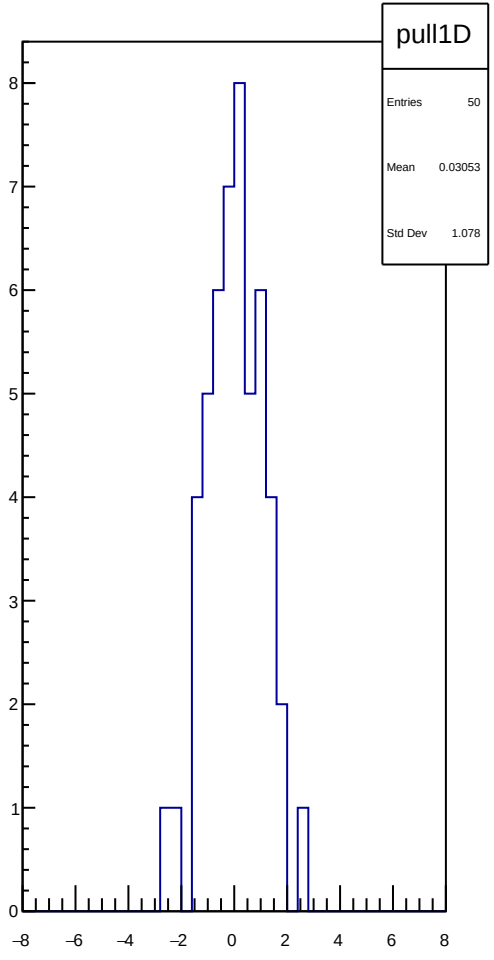

pull1D
Entries 50
Mean 0.01801
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

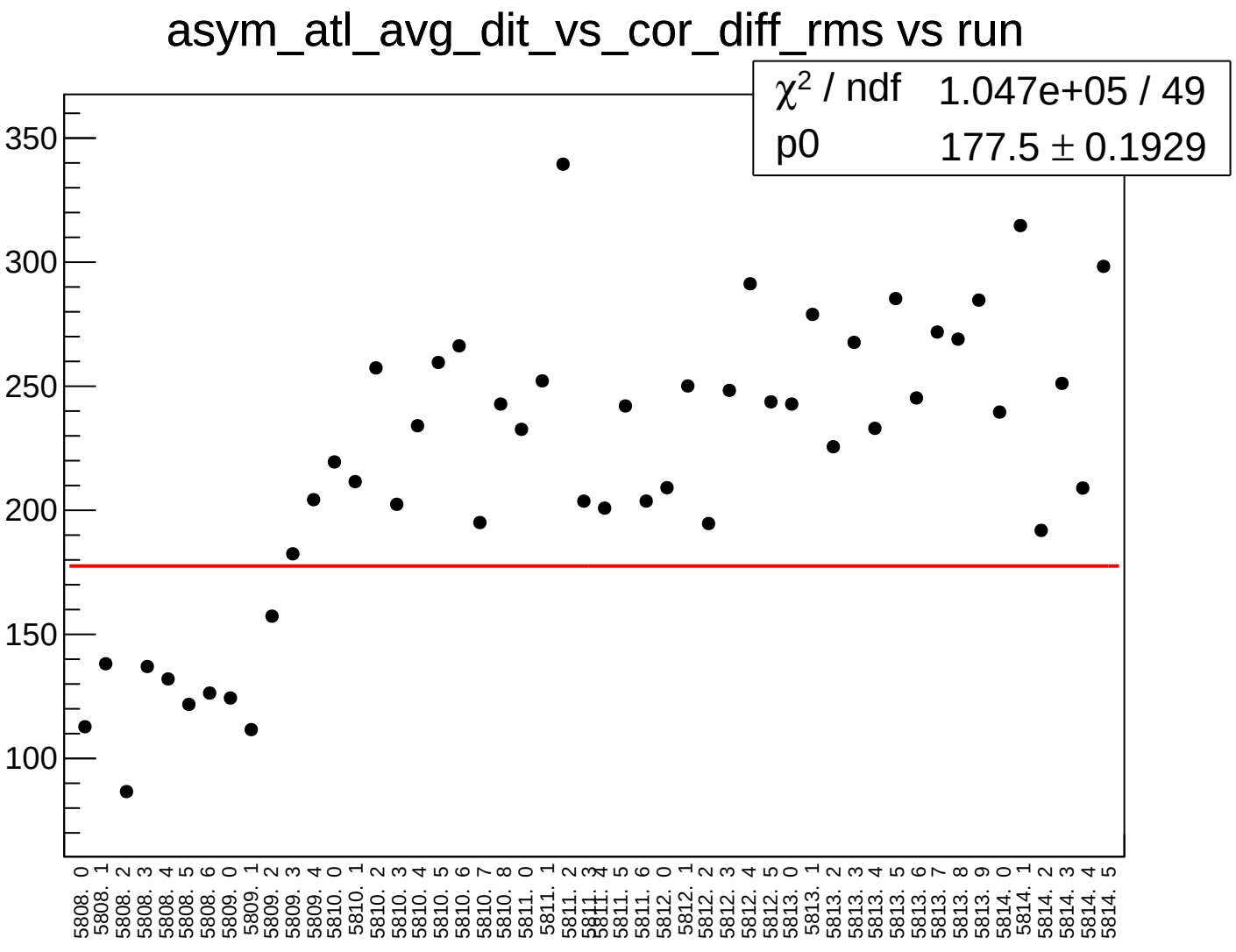

asym_atl_avg_rms vs run
χ² / ndf 1447 / 49
p0 4223 ± 4.331
4600
4500
4400
4300
4200
4100
4000
3900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

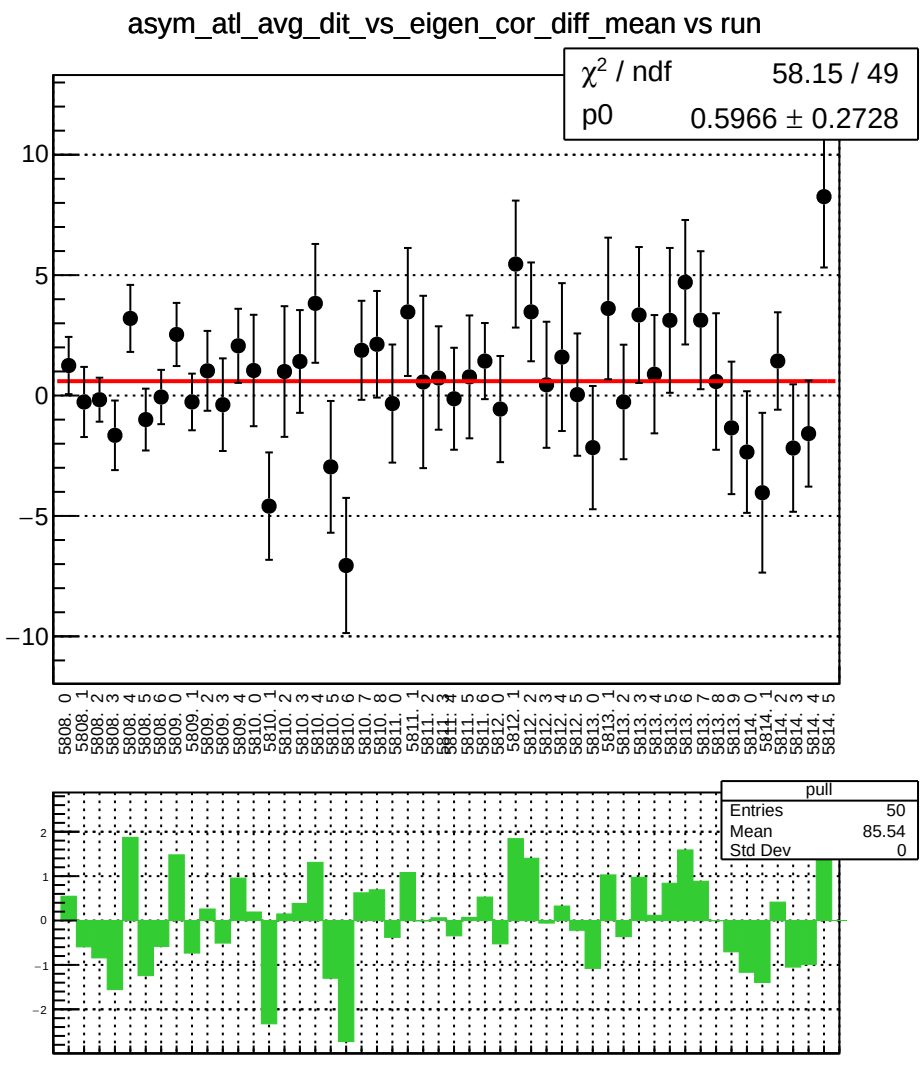

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.44 / 49
p0 2.865e−13 ± 2.148e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 6.47
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.04514
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

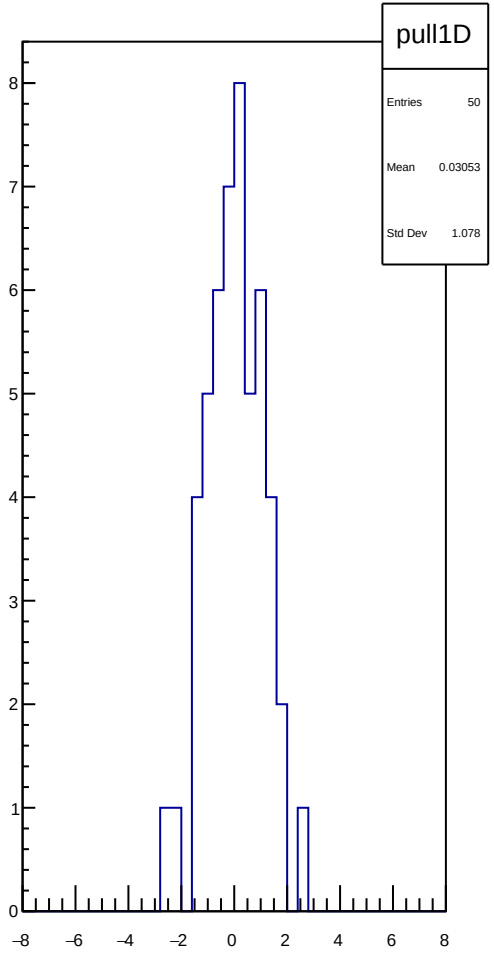

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 7.715e+05 / 49
p0 6.453e−11 ± 1.519e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

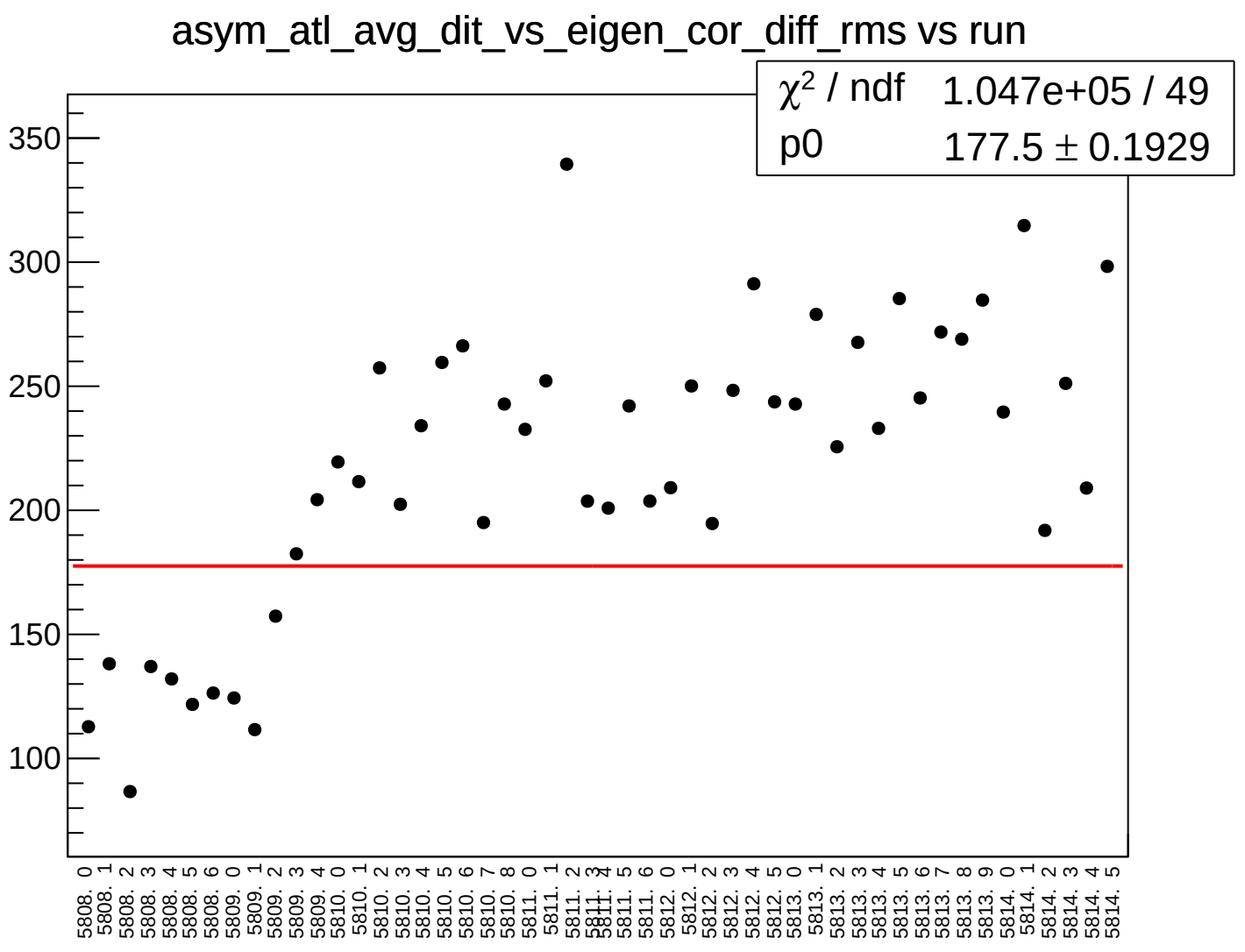

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 0.5966 ± 0.2728
10
5
0
−5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 85.54
Std Dev 0
2
1
0
−1
−2

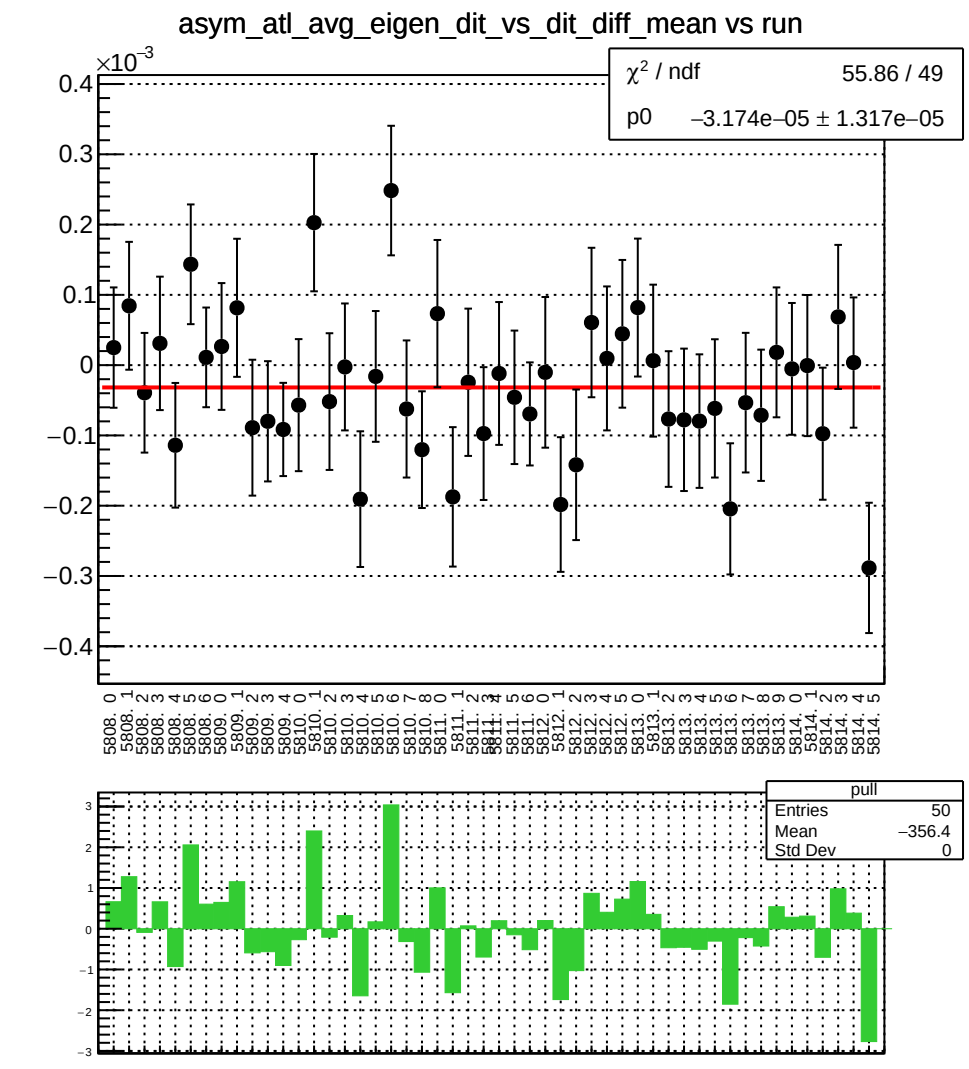

pull1D
Entries 50
Mean 0.03053
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

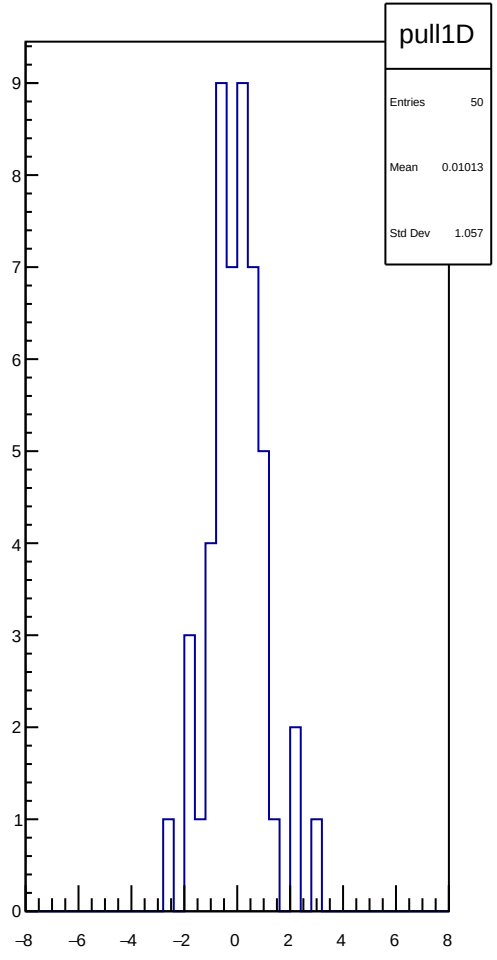

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.047e+05 / 49
p0 177.5 ± 0.1929
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

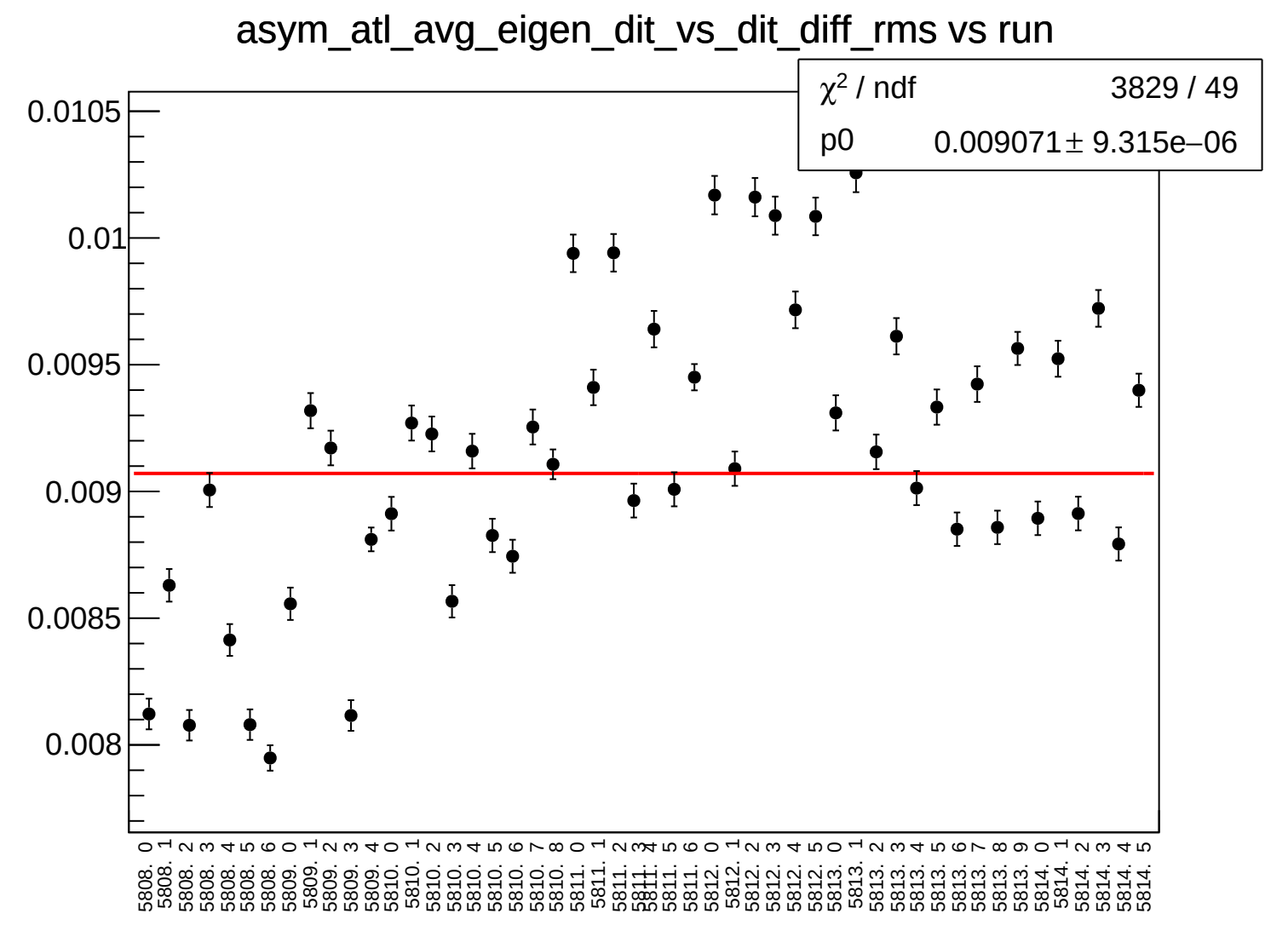

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 0.5966 ± 0.2728
pull
Entries 50
Mean 85.54
Std Dev 0

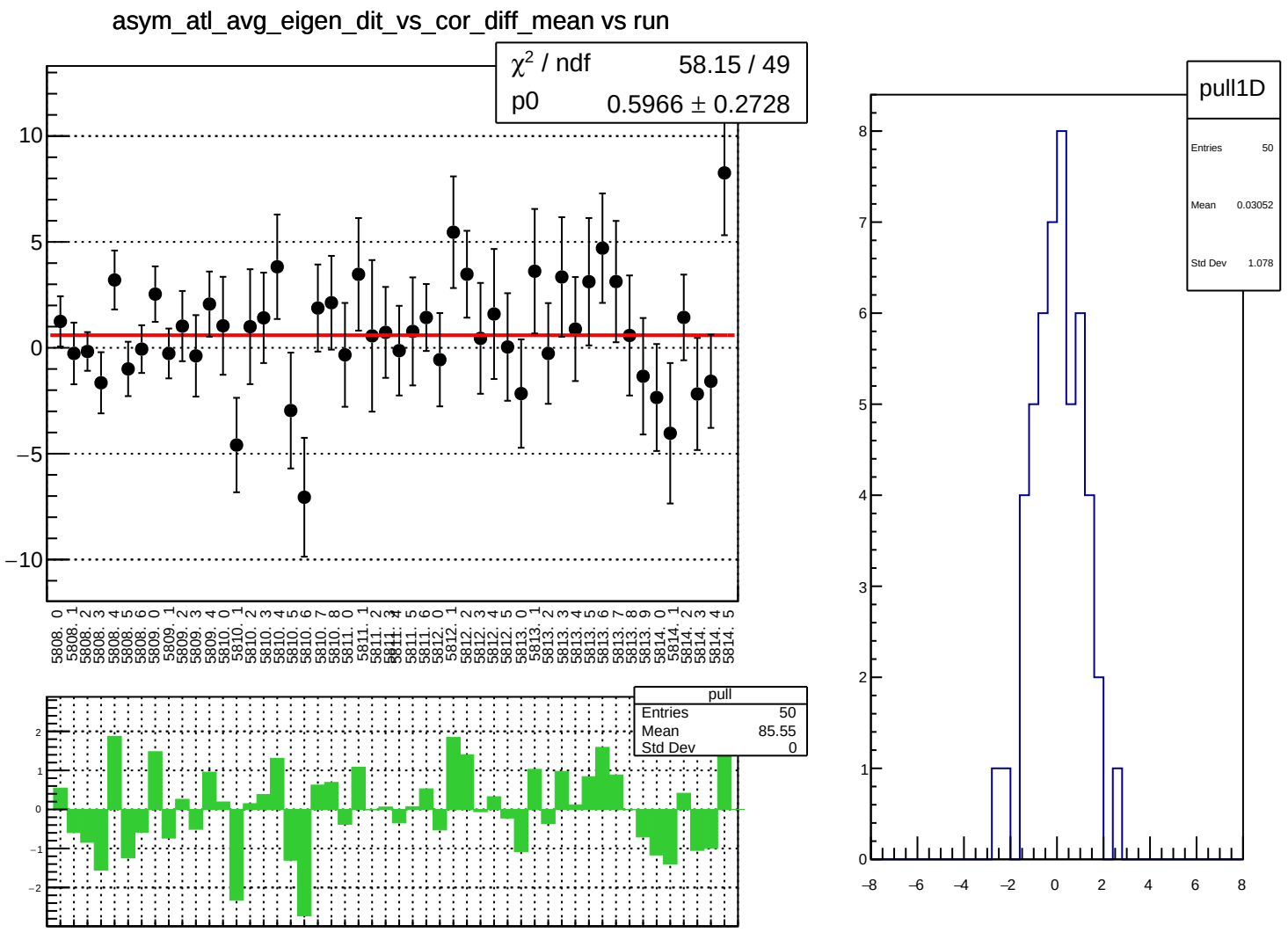

pull1D
Entries 50
Mean 0.03053
Std Dev 1.078

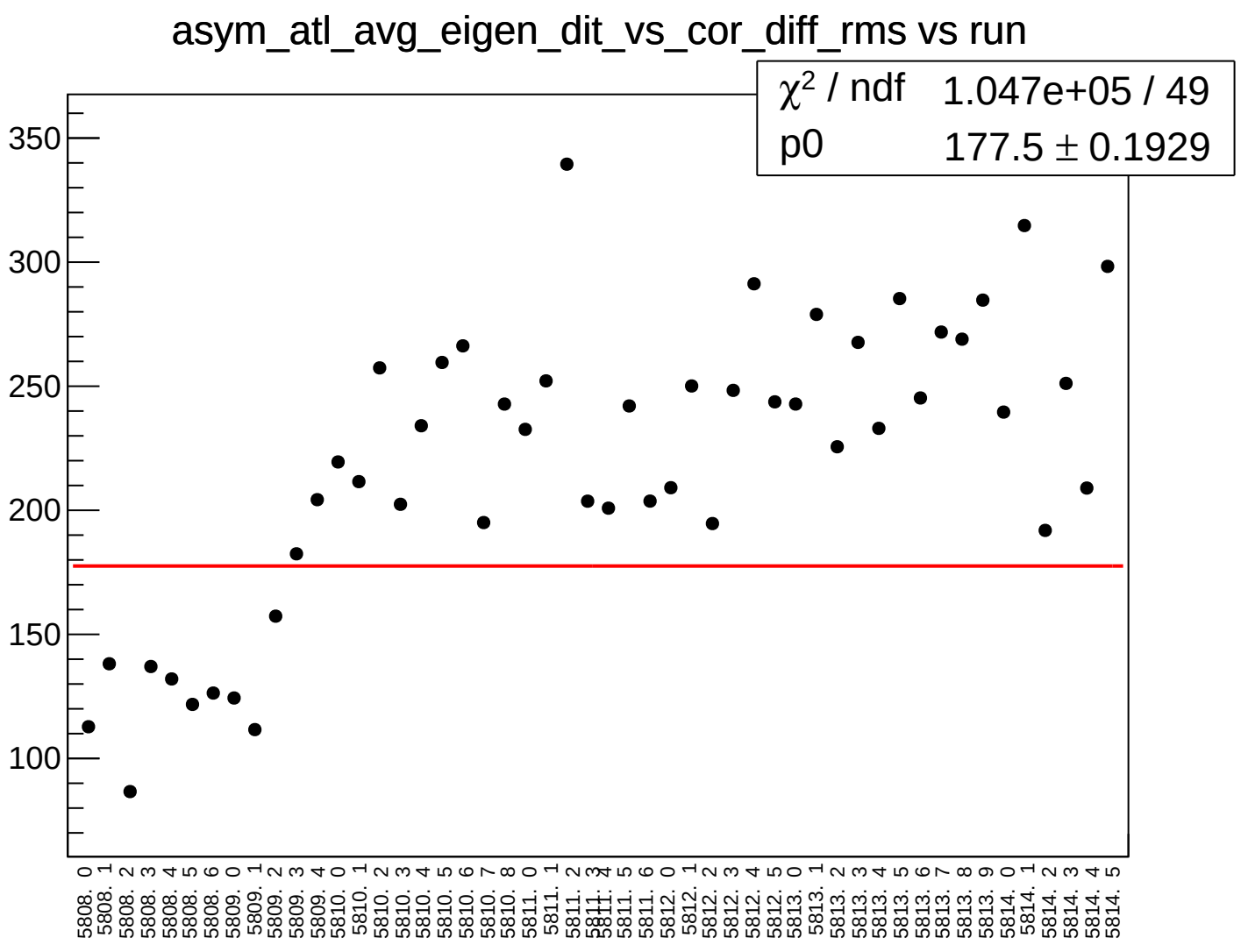

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.047e+05 / 49
p0 177.5 ± 0.1929
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.86 / 49
p0 −3.174e−05 ± 1.317e−05
pull
Entries 50
Mean −356.4
Std Dev 0


pull1D
Entries 50
Mean 0.01013
Std Dev 1.057


asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3829 / 49
p0 0.009071 ± 9.315e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 0.5966 ± 0.2728
pull
Entries 50
Mean 85.55
Std Dev 0
pull1D
Entries 50
Mean 0.03052
Std Dev 1.078


asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.047e+05 / 49
p0 177.5 ± 0.1929
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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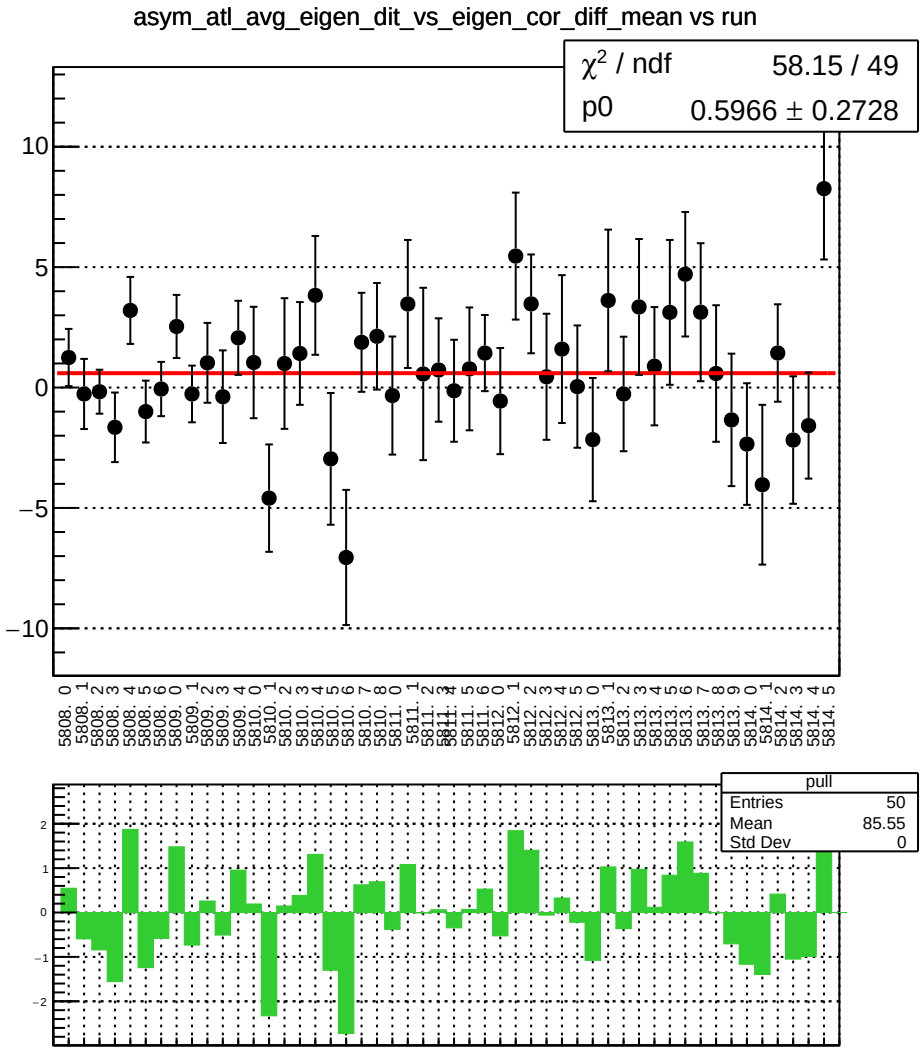
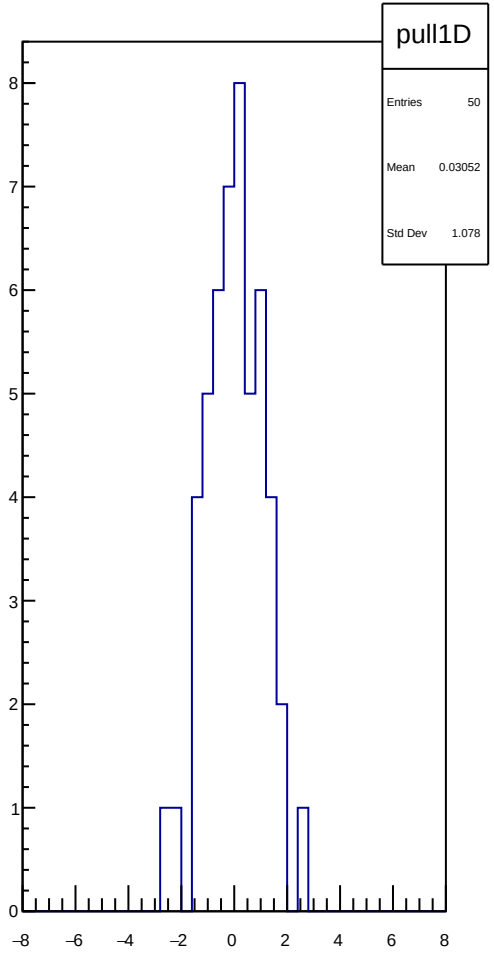
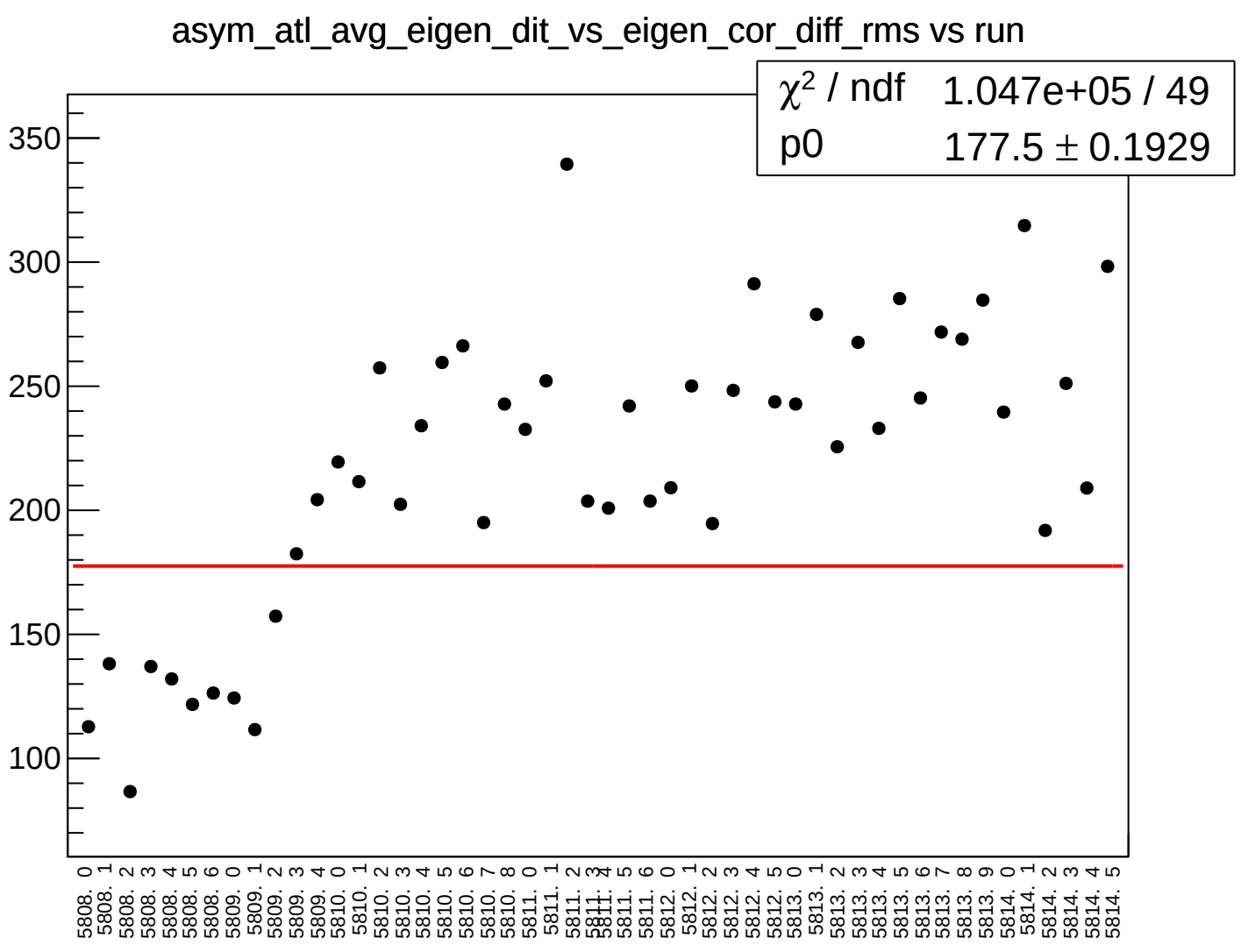
5814. 5


asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 0.5966 ± 0.2728
pull
Entries 50
Mean 85.55
Std Dev 0


pull1D
Entries 50
Mean 0.03052
Std Dev 1.078


asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.047e+05 / 49
p0 177.5 ± 0.1929
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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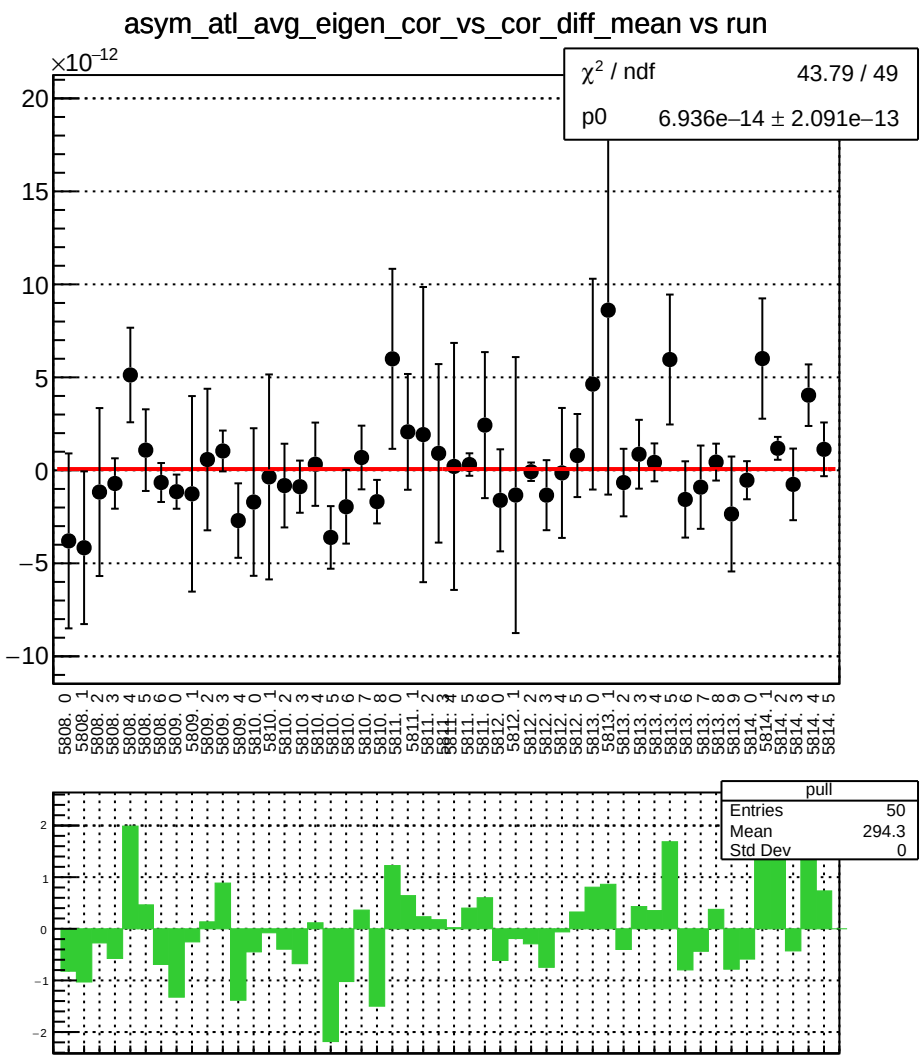
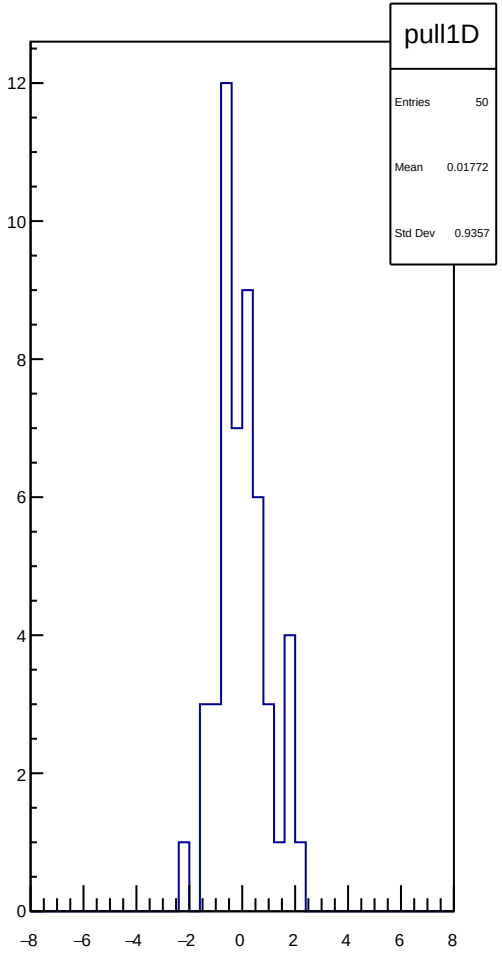
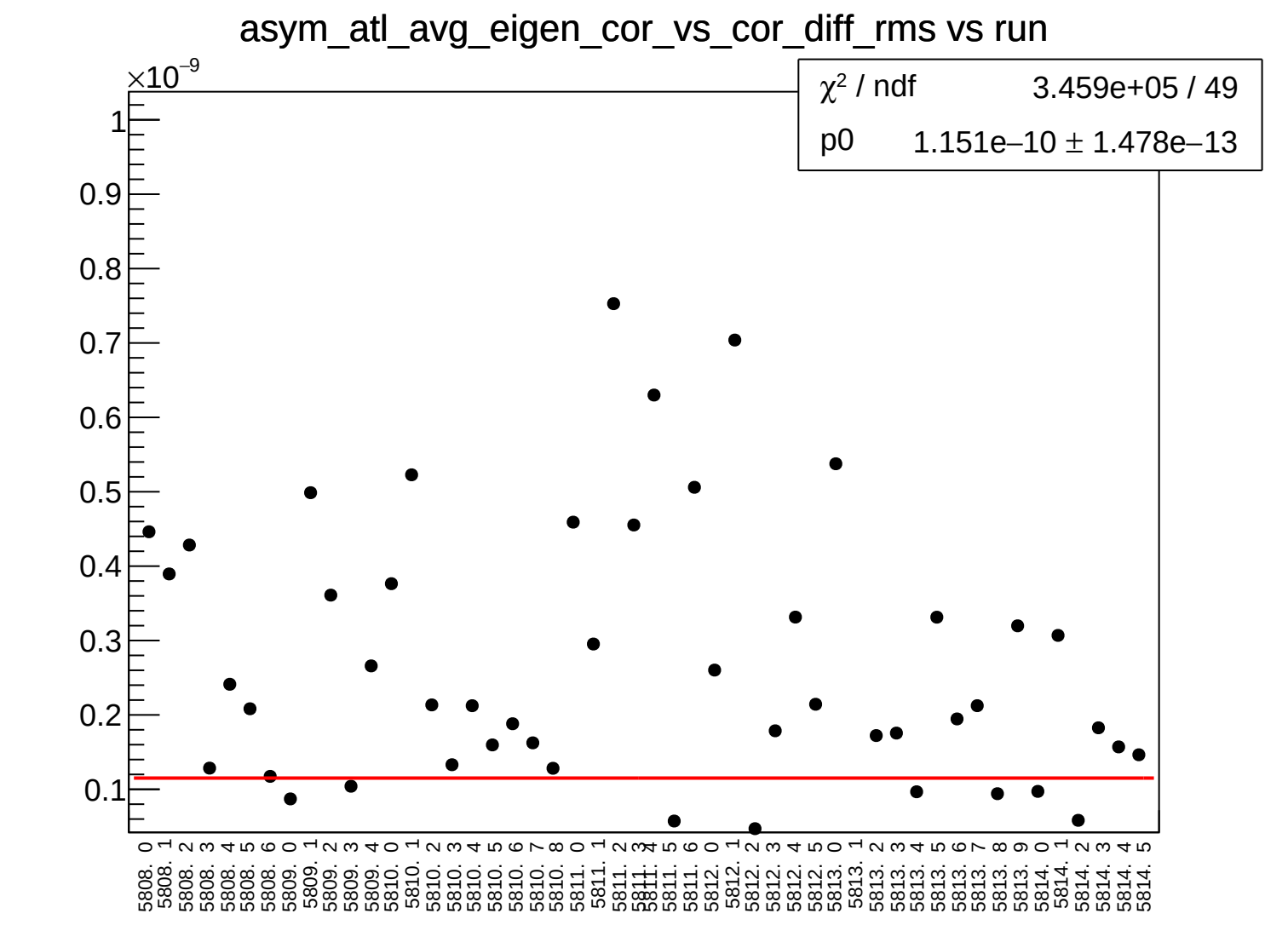
5814. 4
5814. 5


asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.79 / 49
p0 6.936e−14 ± 2.091e−13
pull
Entries 50
Mean 294.3
Std Dev 0


pull1D
Entries 50
Mean 0.01772
Std Dev 0.9357


asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.459e+05 / 49
p0 1.151e−10 ± 1.478e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5813. 9
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5814. 2
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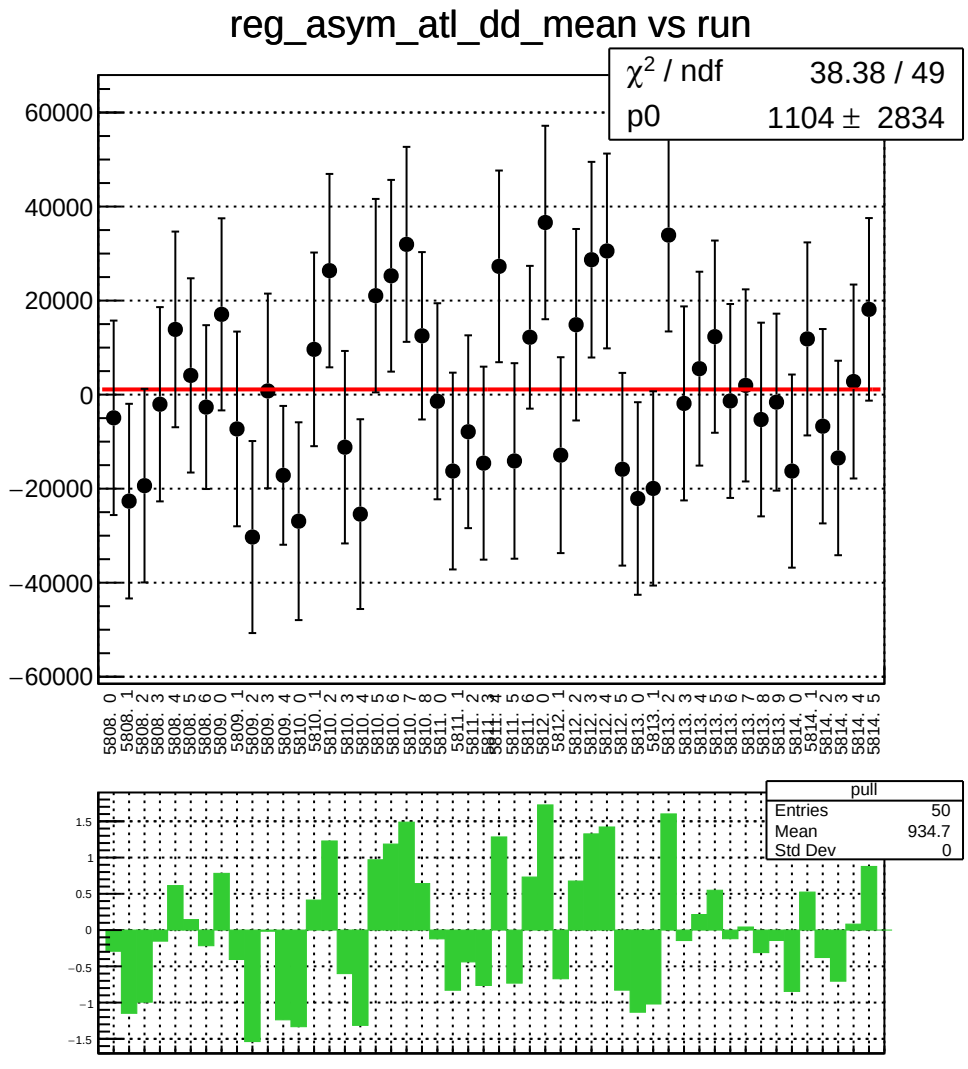
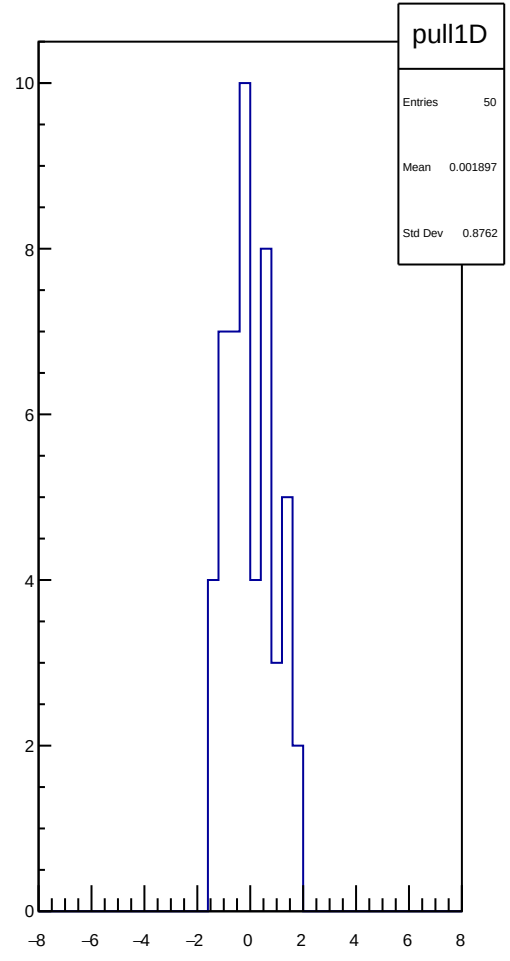
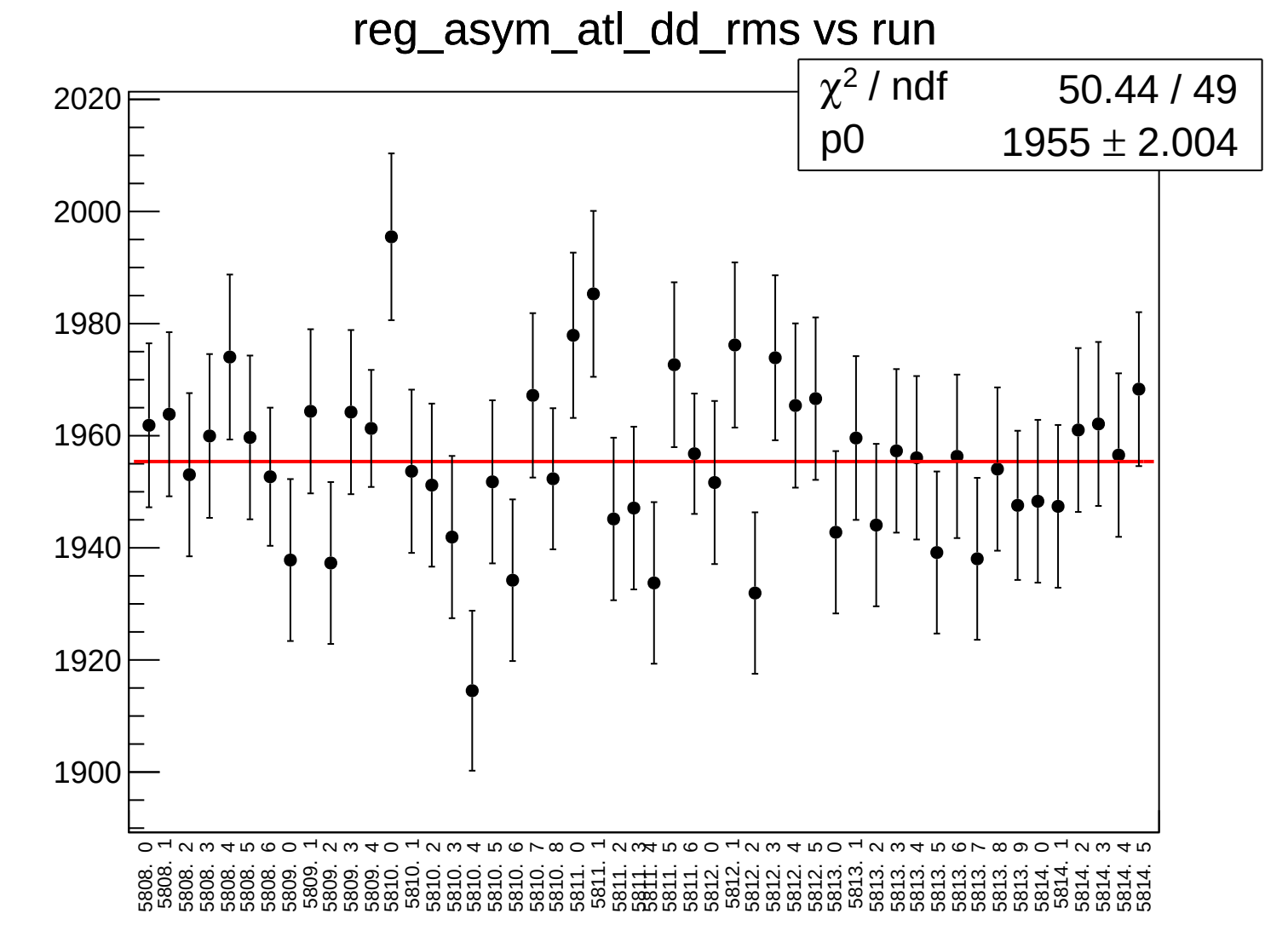
5814. 4
5814. 5


reg_asym_atl_dd_mean vs run
χ² / ndf 38.38 / 49
p0 1104 ± 2834
pull
Entries 50
Mean 934.7
Std Dev 0


pull1D
Entries 50
Mean 0.001897
Std Dev 0.8762


reg_asym_atl_dd_rms vs run
χ² / ndf 50.44 / 49
p0 1955 ± 2.004
2020
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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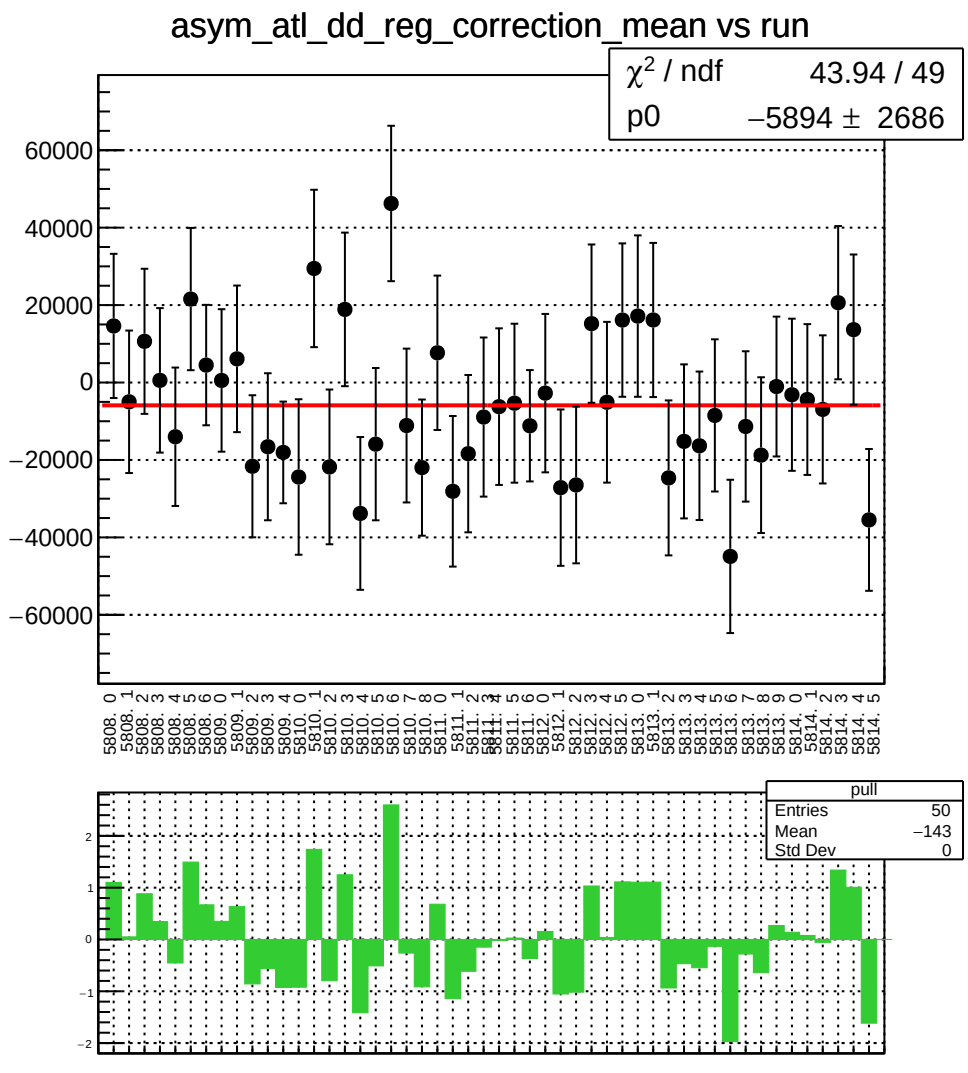
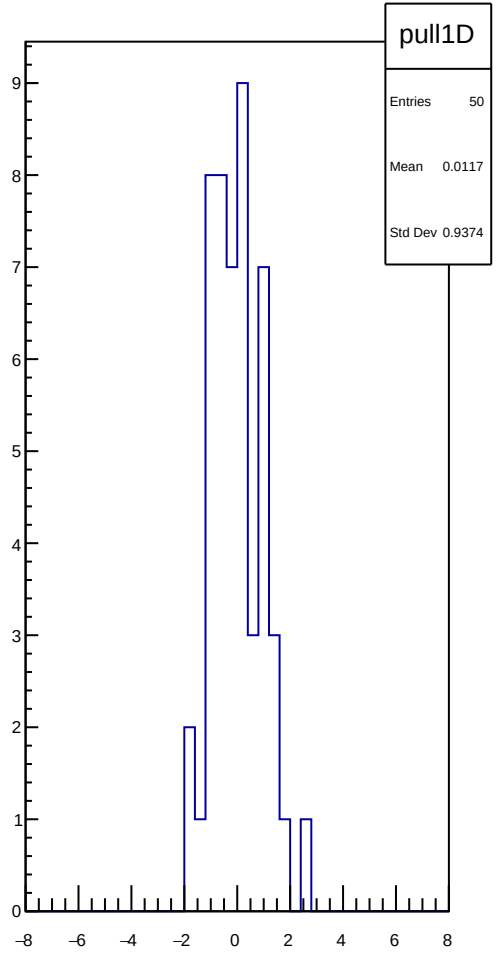
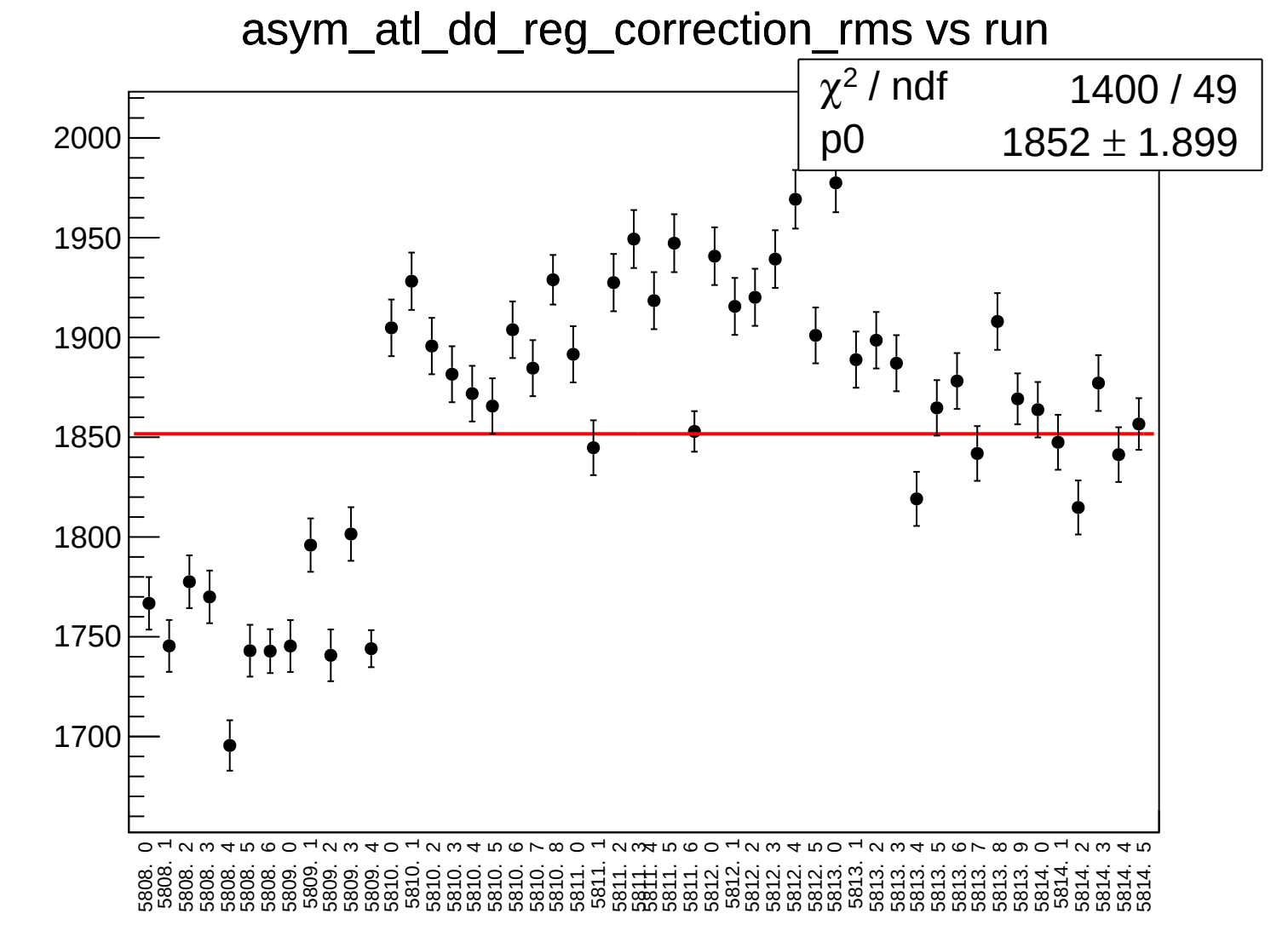
5814. 4
5814. 5


asym_atl_dd_reg_correction_mean vs run
χ² / ndf 43.94 / 49
p0 −5894 ± 2686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −143
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.0117
Std Dev 0.9374
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_reg_correction_rms vs run
χ² / ndf 1400 / 49
p0 1852 ± 1.899
2000
1950
1900
1850
1800
1750
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
5812. 5
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5813. 1
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5814. 0
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5814. 2
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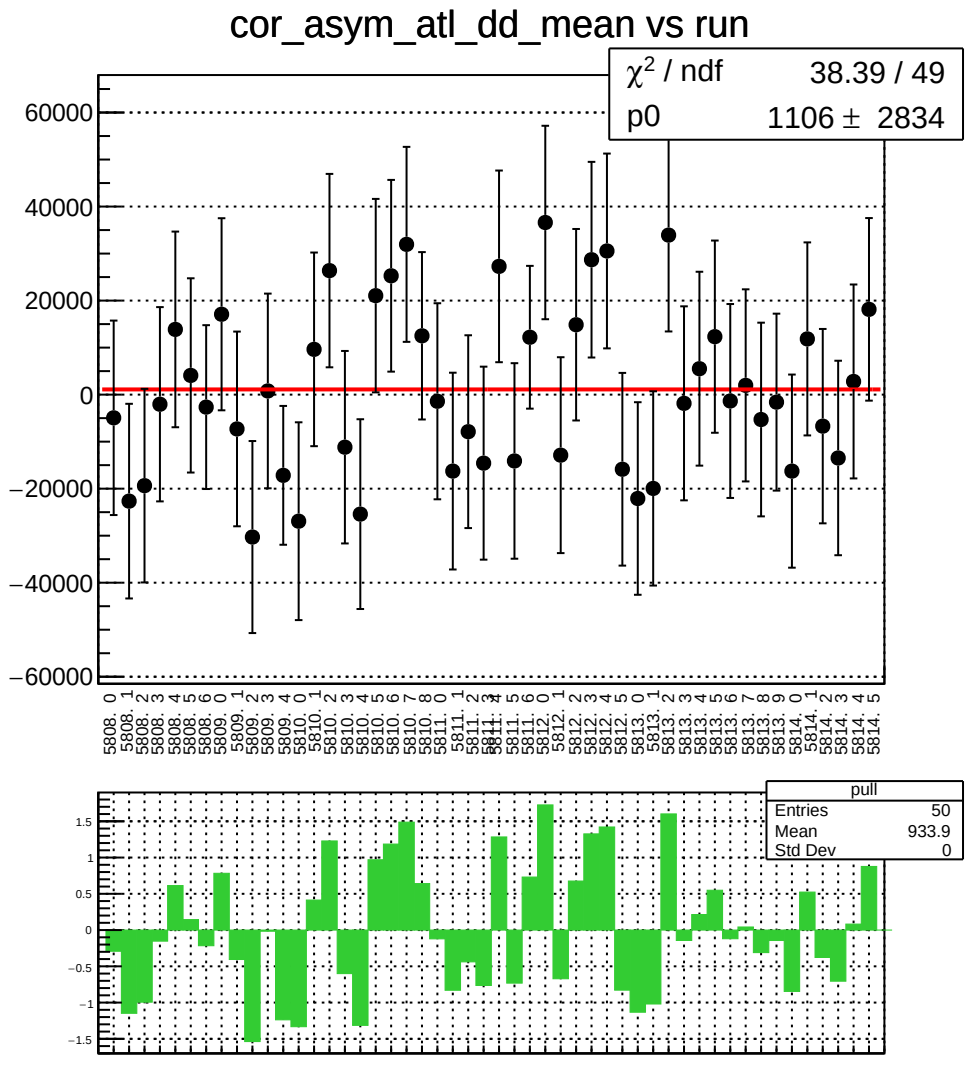
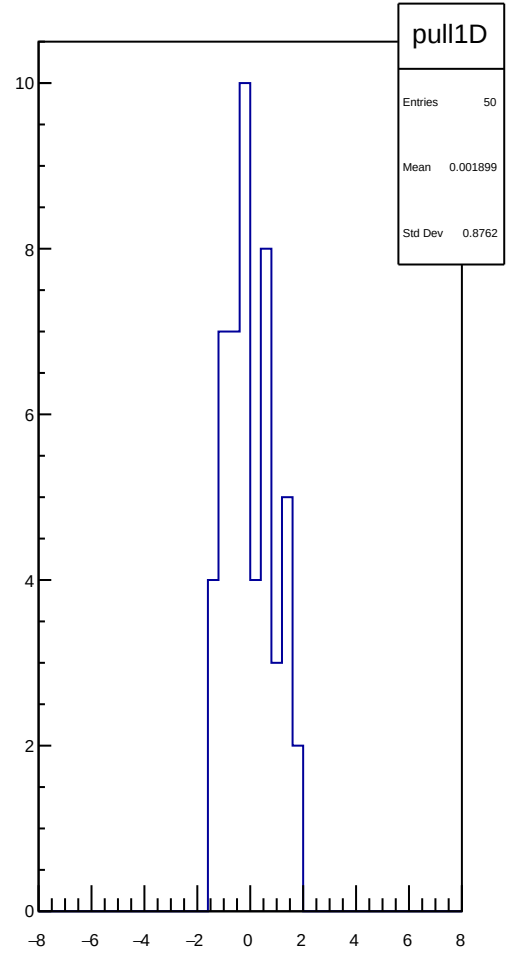
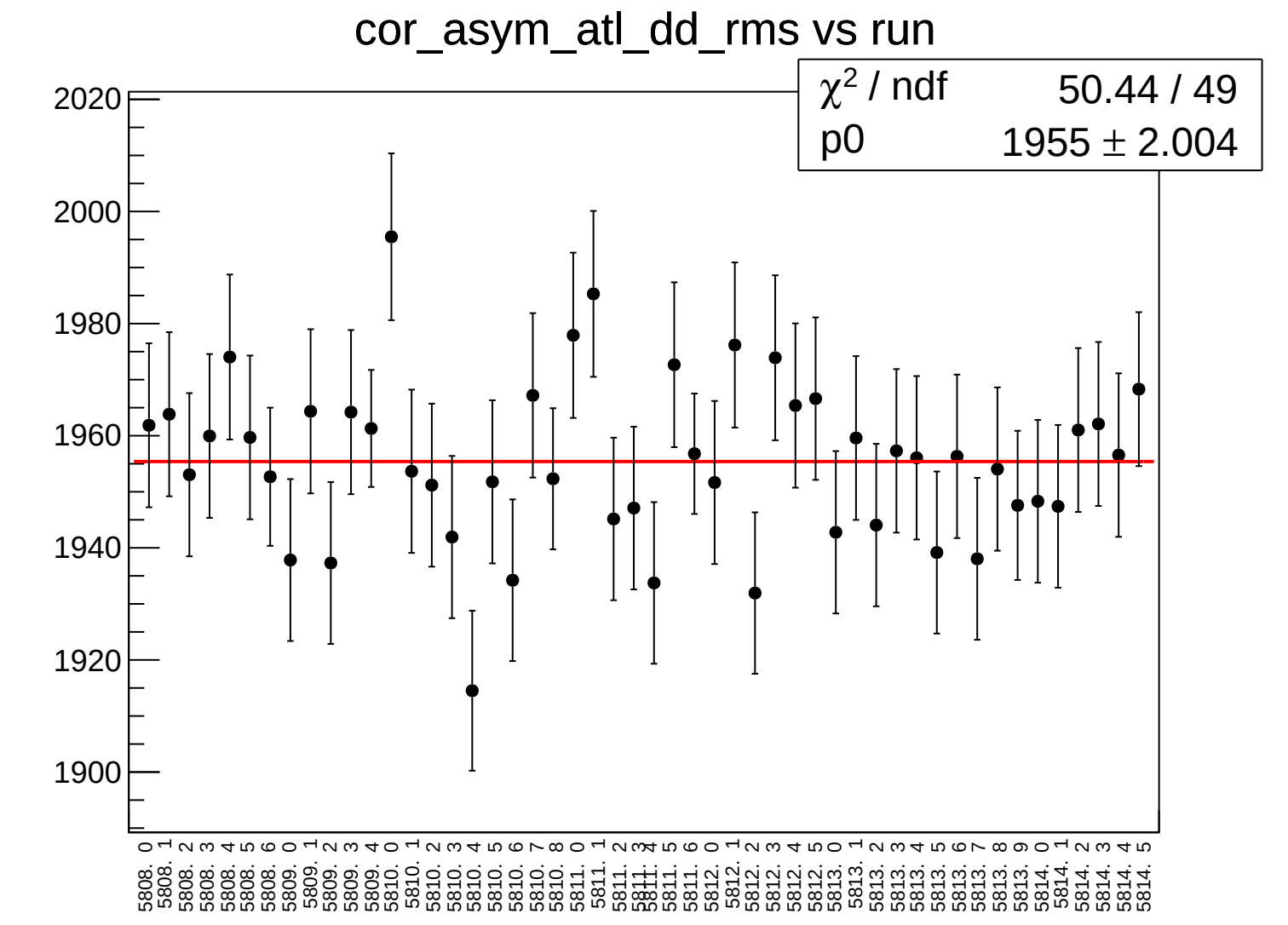
5814. 4
5814. 5


cor_asym_atl_dd_mean vs run
χ² / ndf 38.39 / 49
p0 1106 ± 2834
pull
Entries 50
Mean 933.9
Std Dev 0


pull1D
Entries 50
Mean 0.001899
Std Dev 0.8762


cor_asym_atl_dd_rms vs run
χ² / ndf 50.44 / 49
p0 1955 ± 2.004
2020
2000
1980
1960
1940
1920
1900
5808. 0
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5808. 2
5808. 3
5808. 4
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5810. 0
5810. 1
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5810. 6
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5811. 2
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5812. 2
5812. 3
5812. 4
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5813. 2
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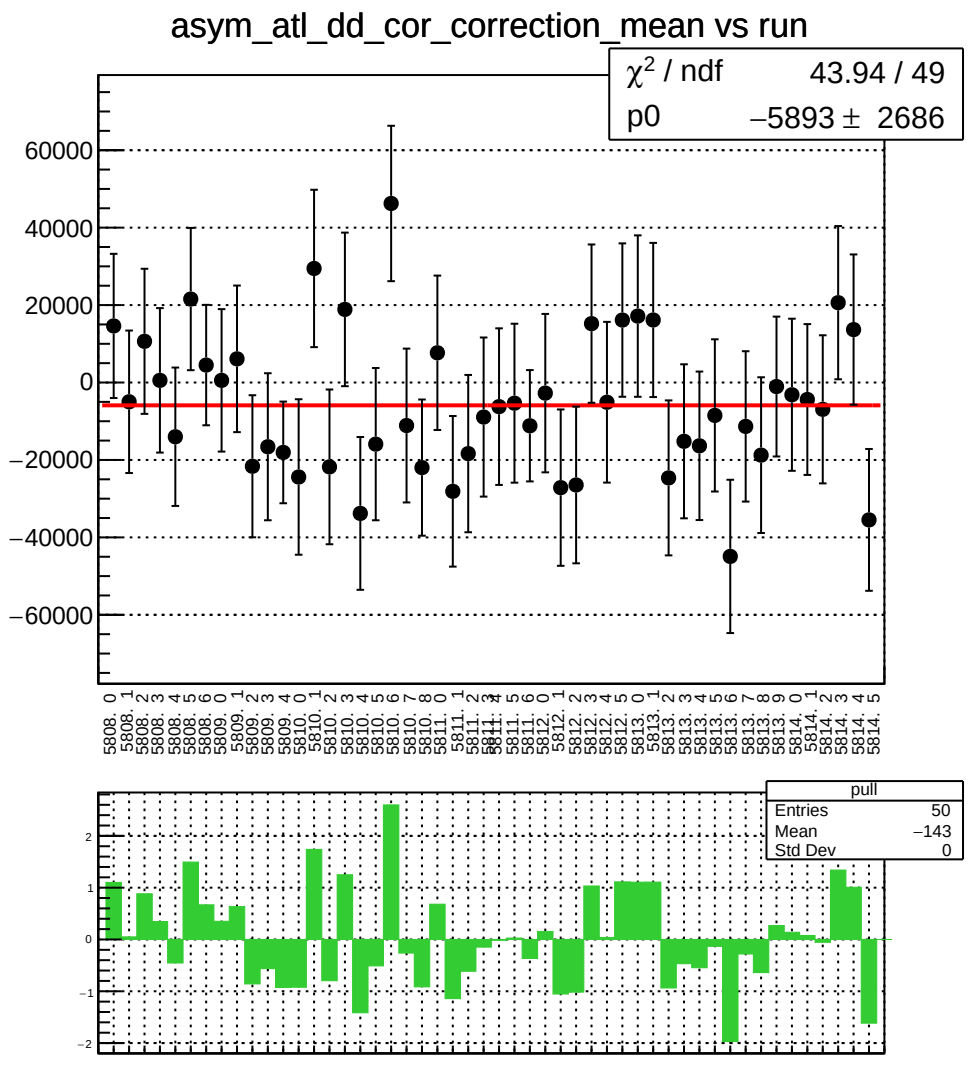
5814. 4
5814. 5


asym_atl_dd_cor_correction_mean vs run
χ² / ndf 43.94 / 49
p0 −5893 ± 2686
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
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5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
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5813. 2
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −143
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.0117
Std Dev 0.9374
9
8
7
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5
4
3
2
1
0
−8
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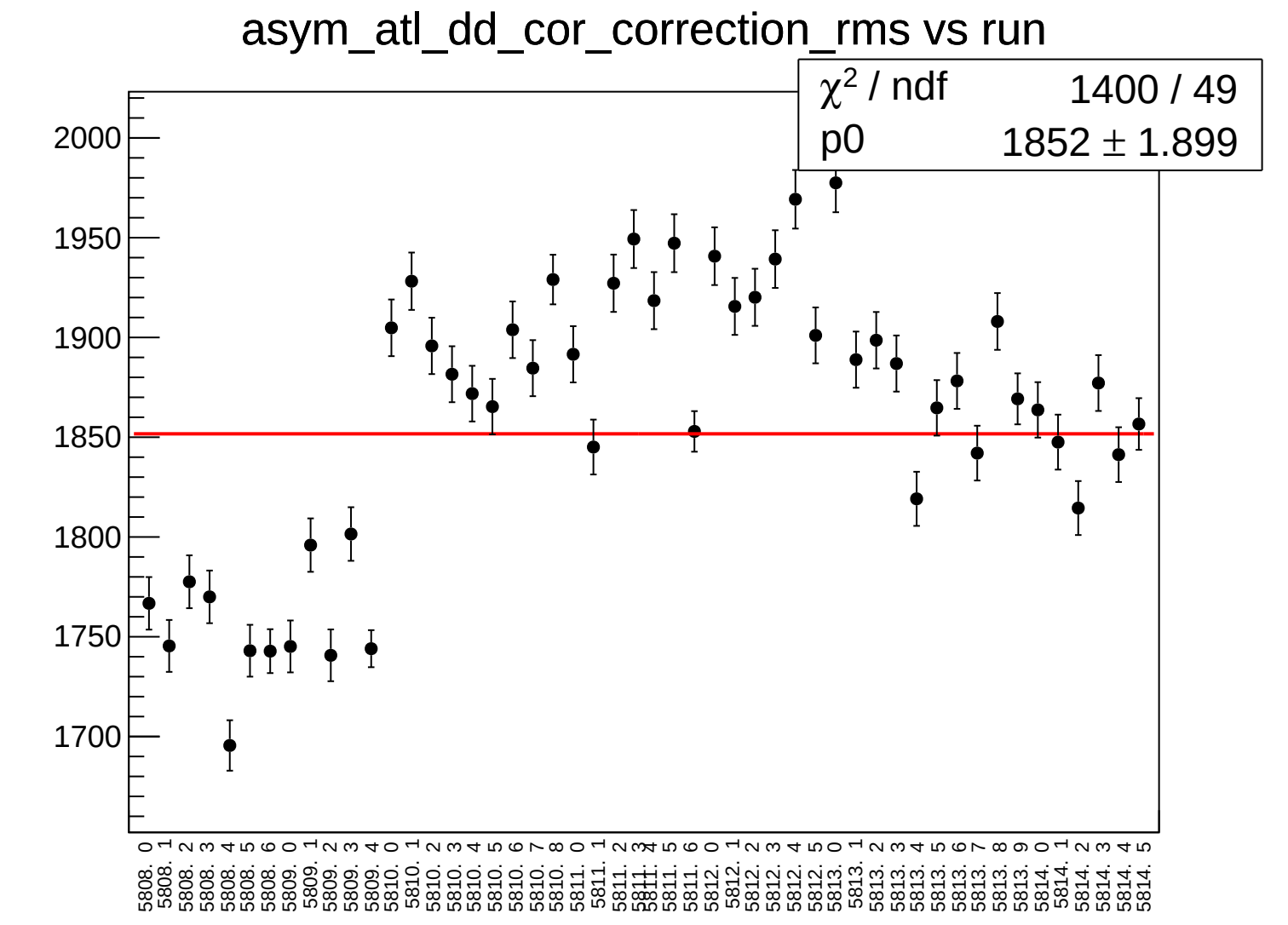
2
4
6
8


asym_atl_dd_cor_correction_rms vs run
χ² / ndf 1400 / 49
p0 1852 ± 1.899
2000
1950
1900
1850
1800
1750
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
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5813. 2
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5813. 5
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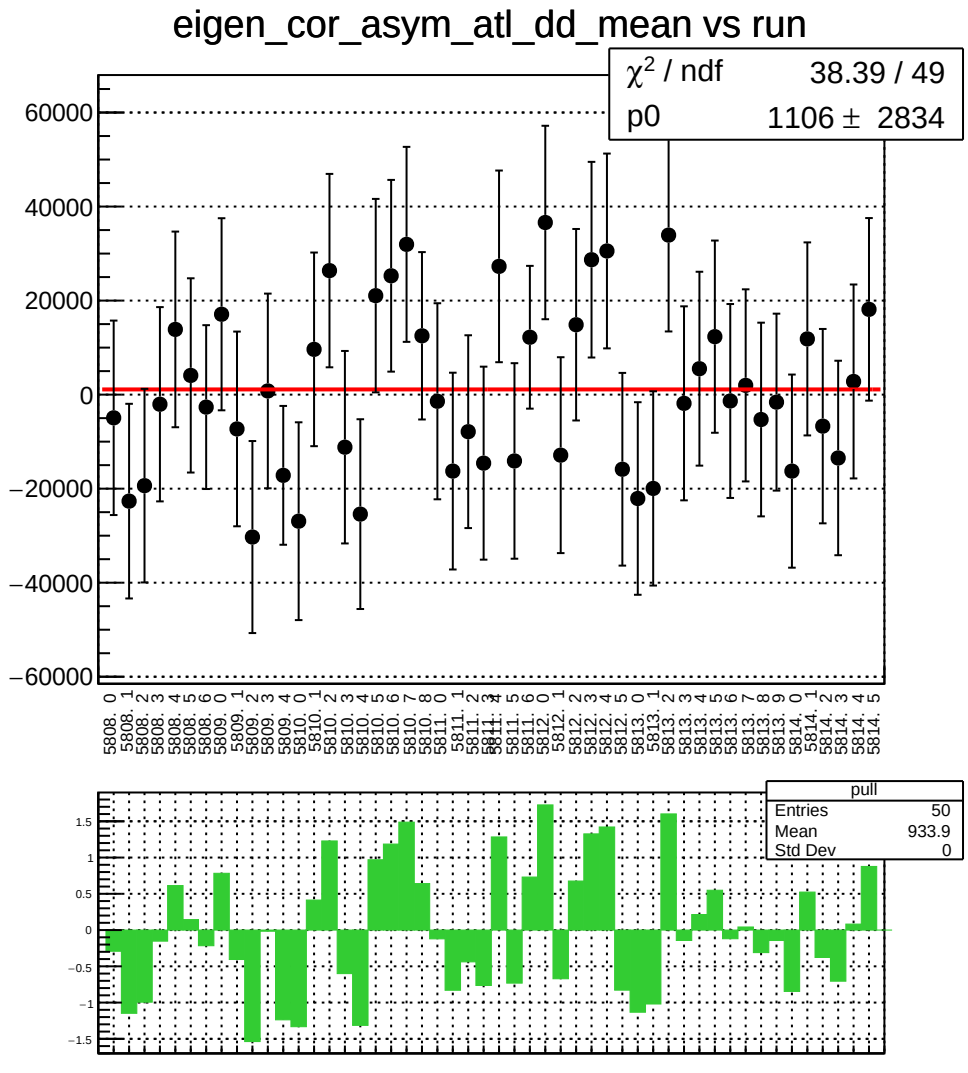
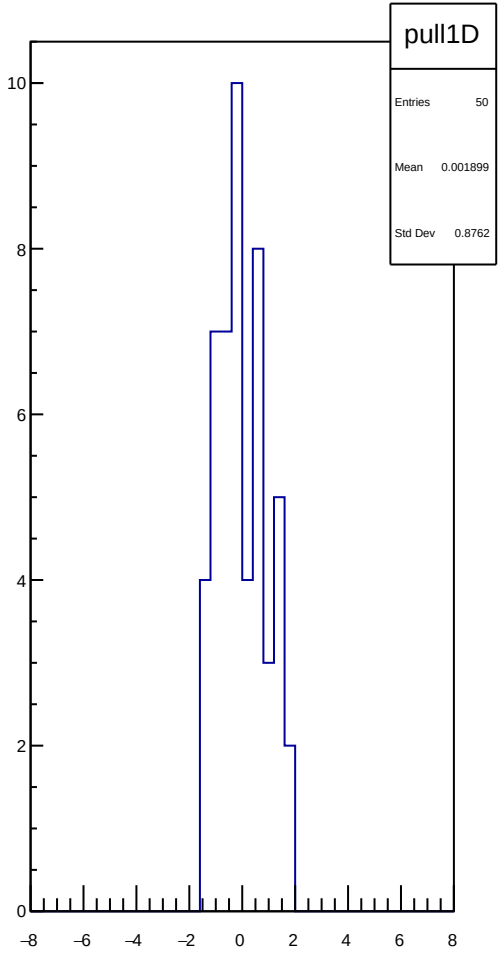
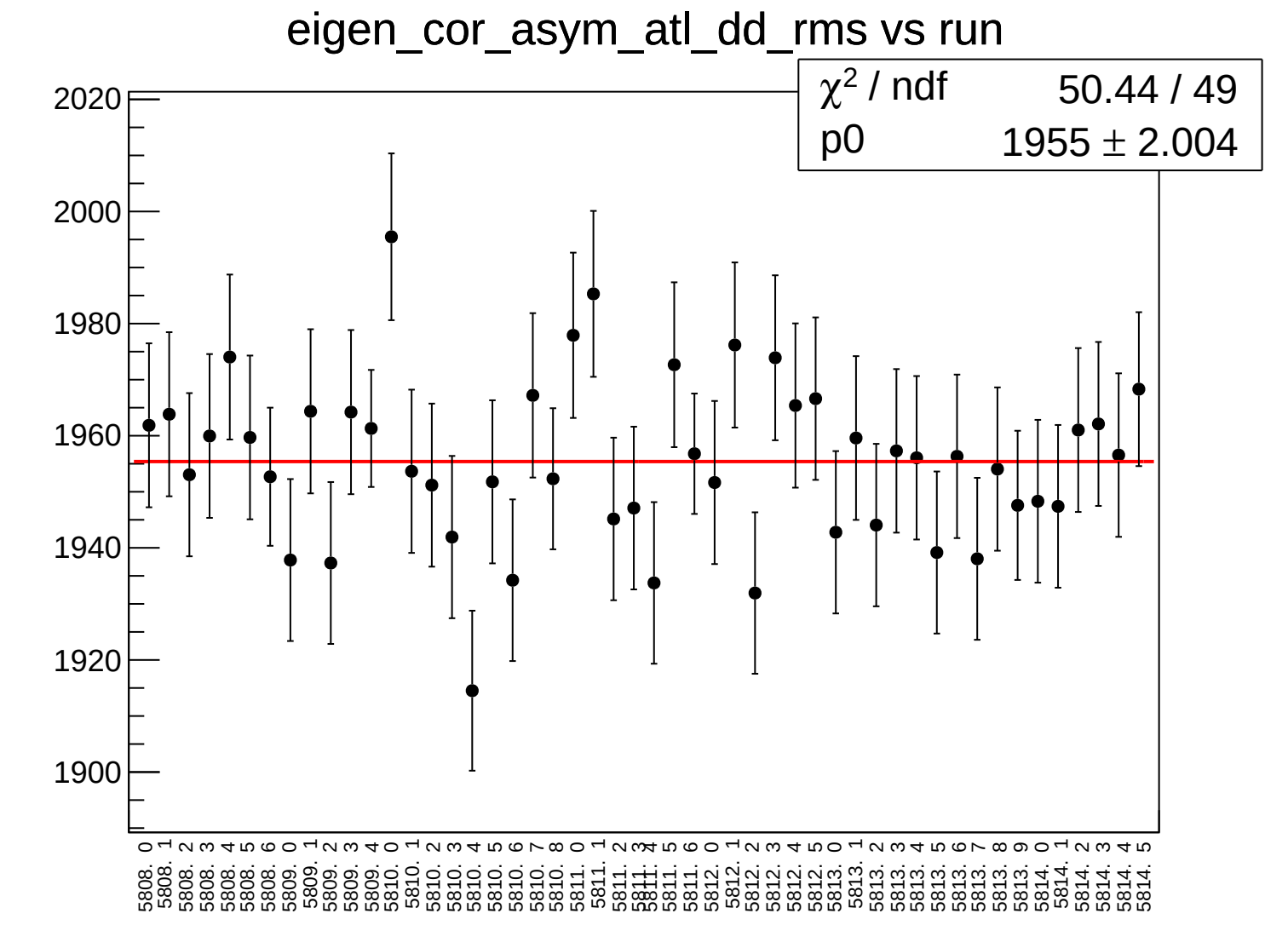
5814. 5


eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 38.39 / 49
p0 1106 ± 2834
pull
Entries 50
Mean 933.9
Std Dev 0


pull1D
Entries 50
Mean 0.001899
Std Dev 0.8762


eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 50.44 / 49
p0 1955 ± 2.004
2020
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
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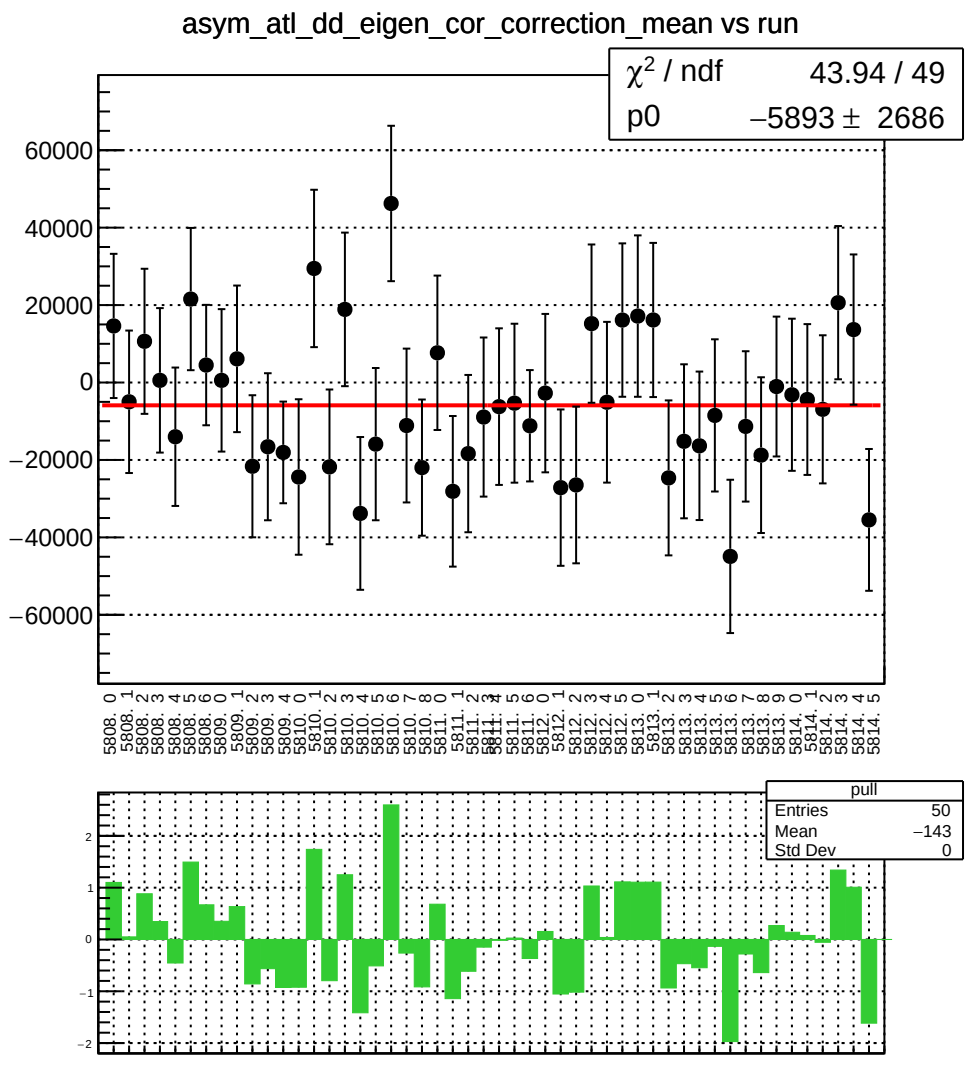
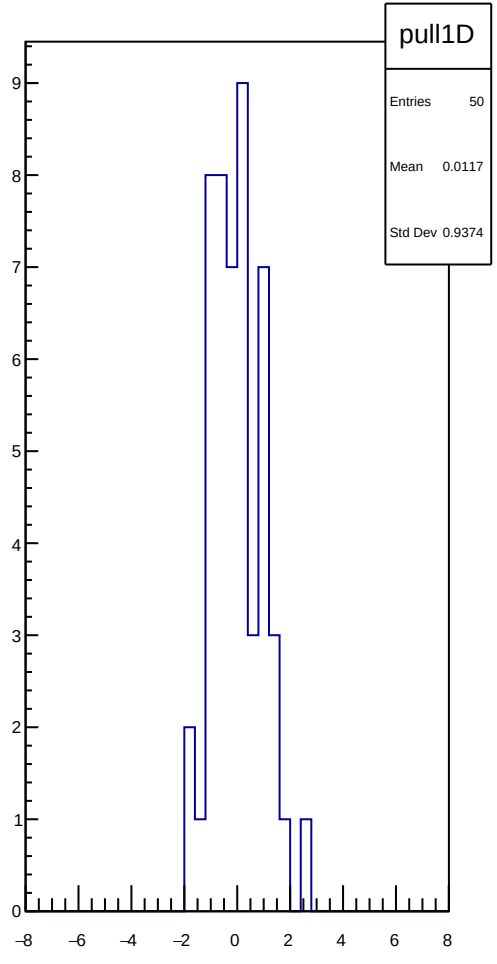

asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.94 / 49
p0 −5893 ± 2686
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −143
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.0117
Std Dev 0.9374
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5
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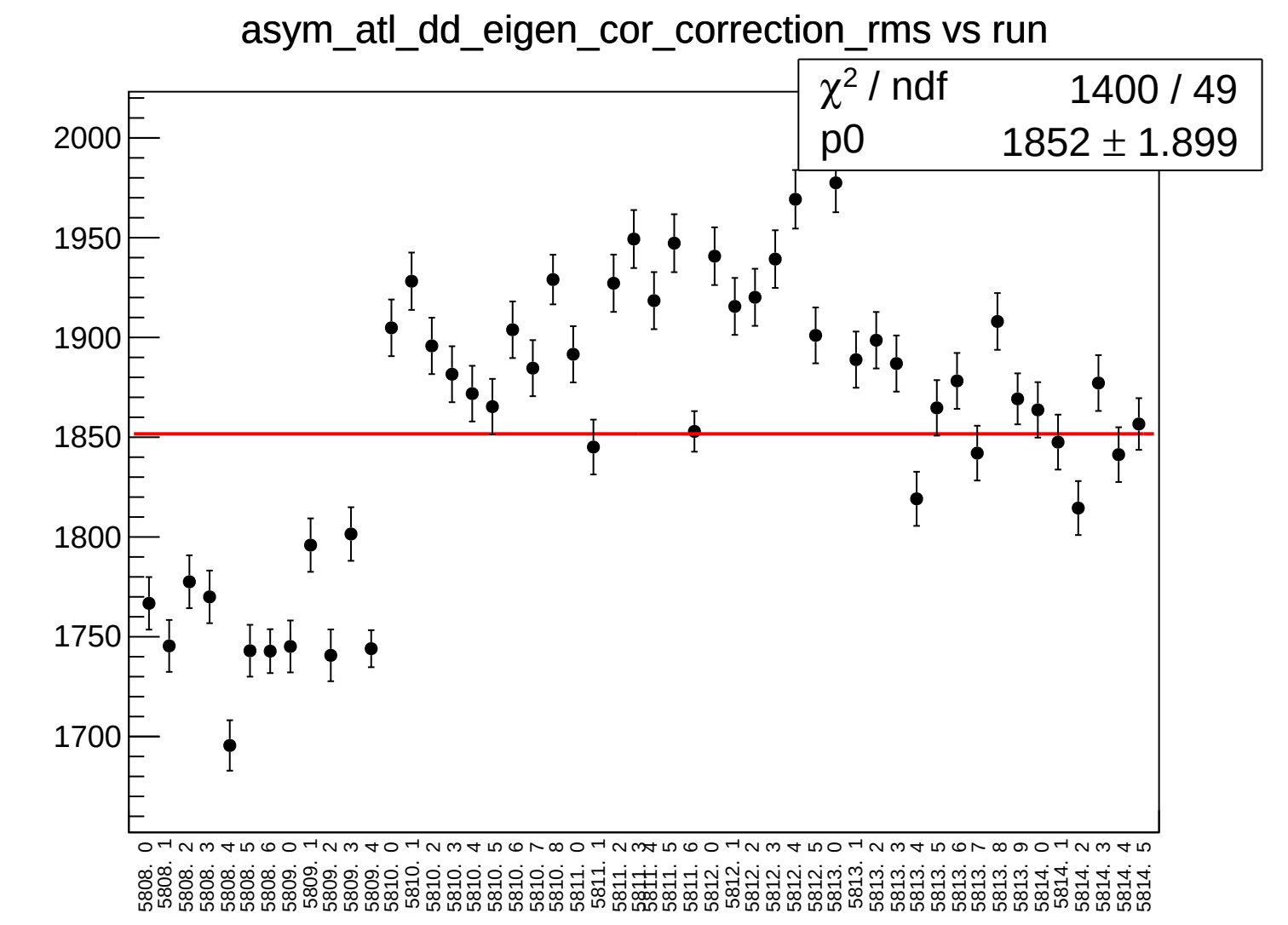
2
4
6
8


asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 1400 / 49
p0 1852 ± 1.899
2000
1950
1900
1850
1800
1750
1700
5808. 0
5808. 1
5808. 2
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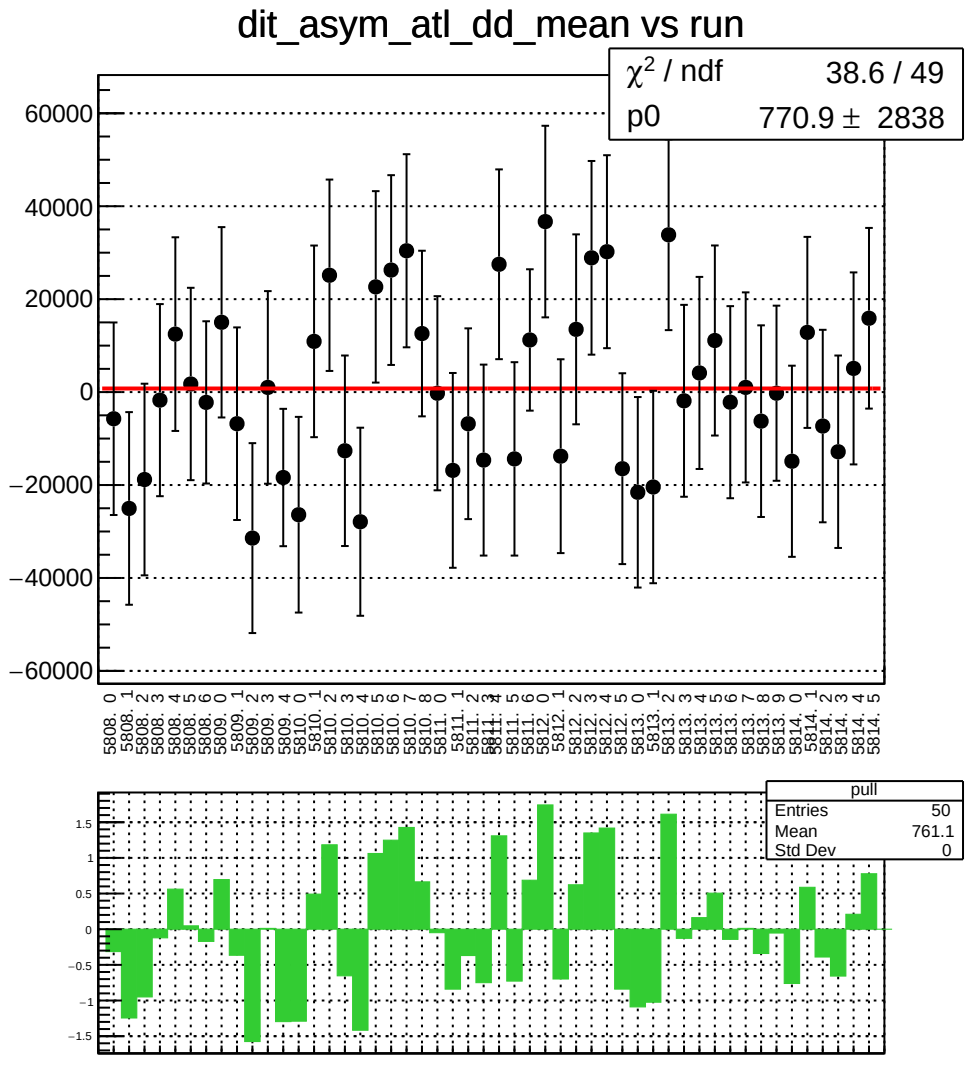
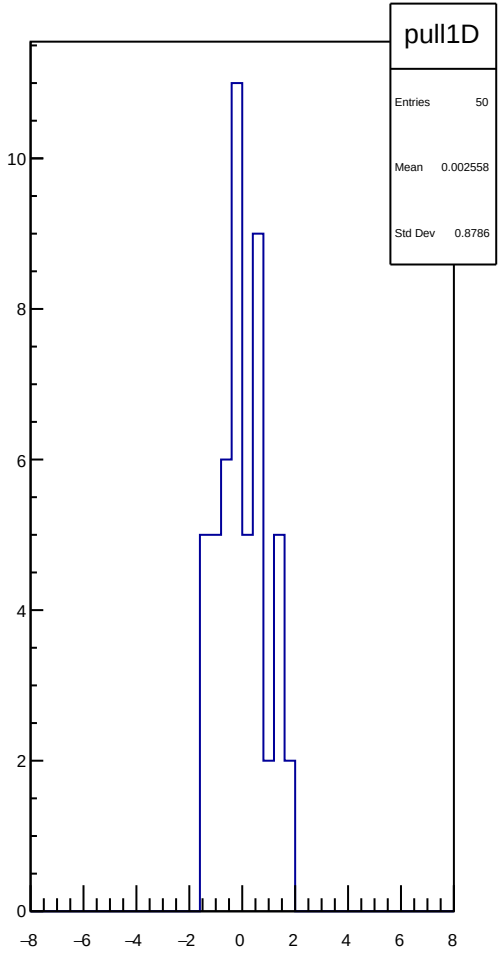
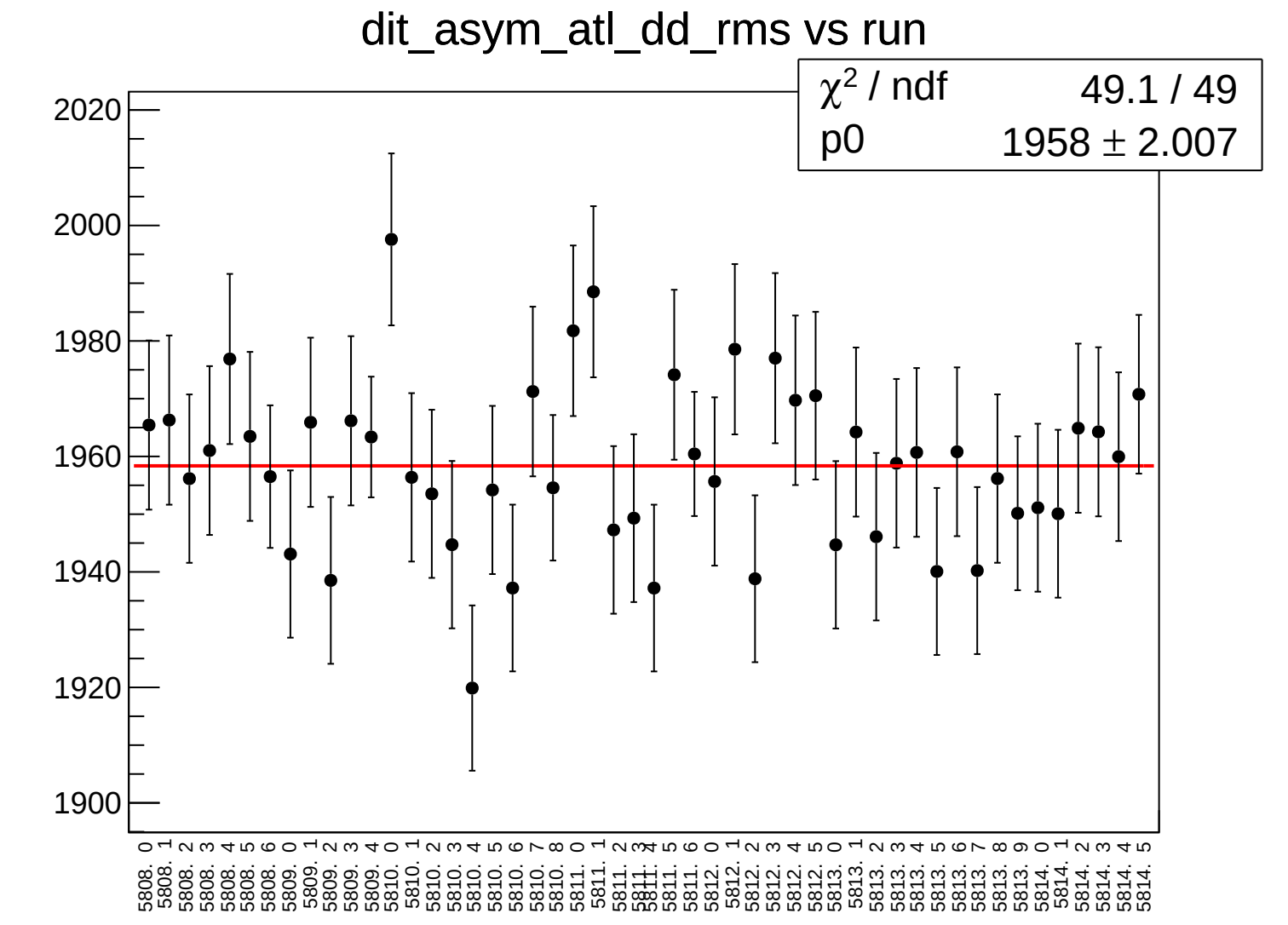
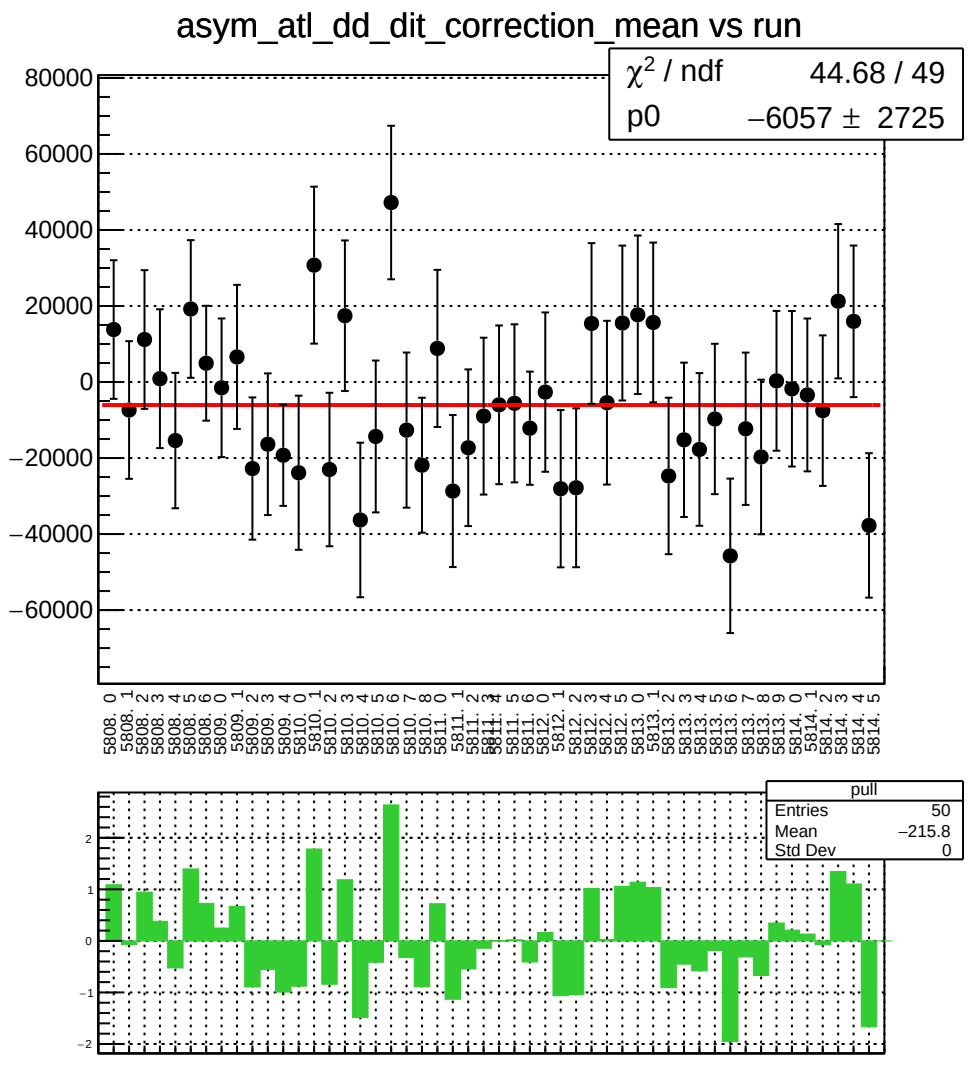
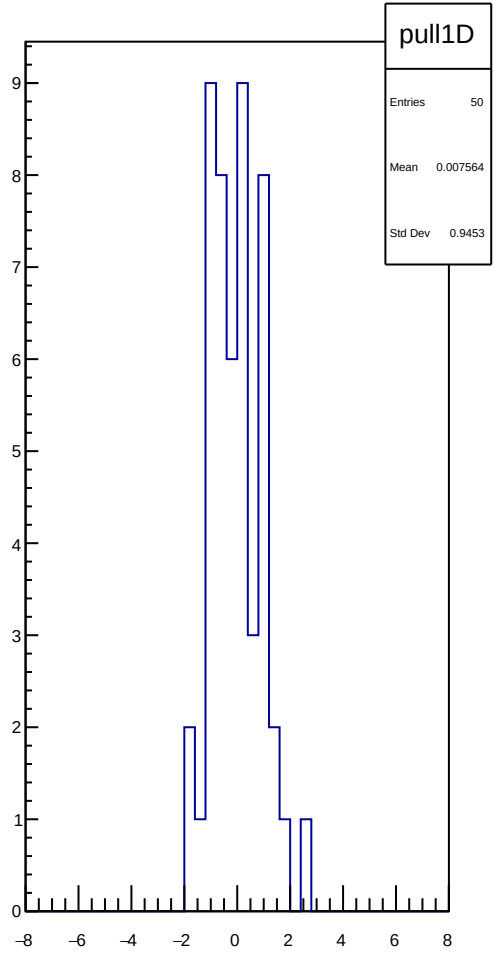
5814. 3
5814. 4
5814. 5

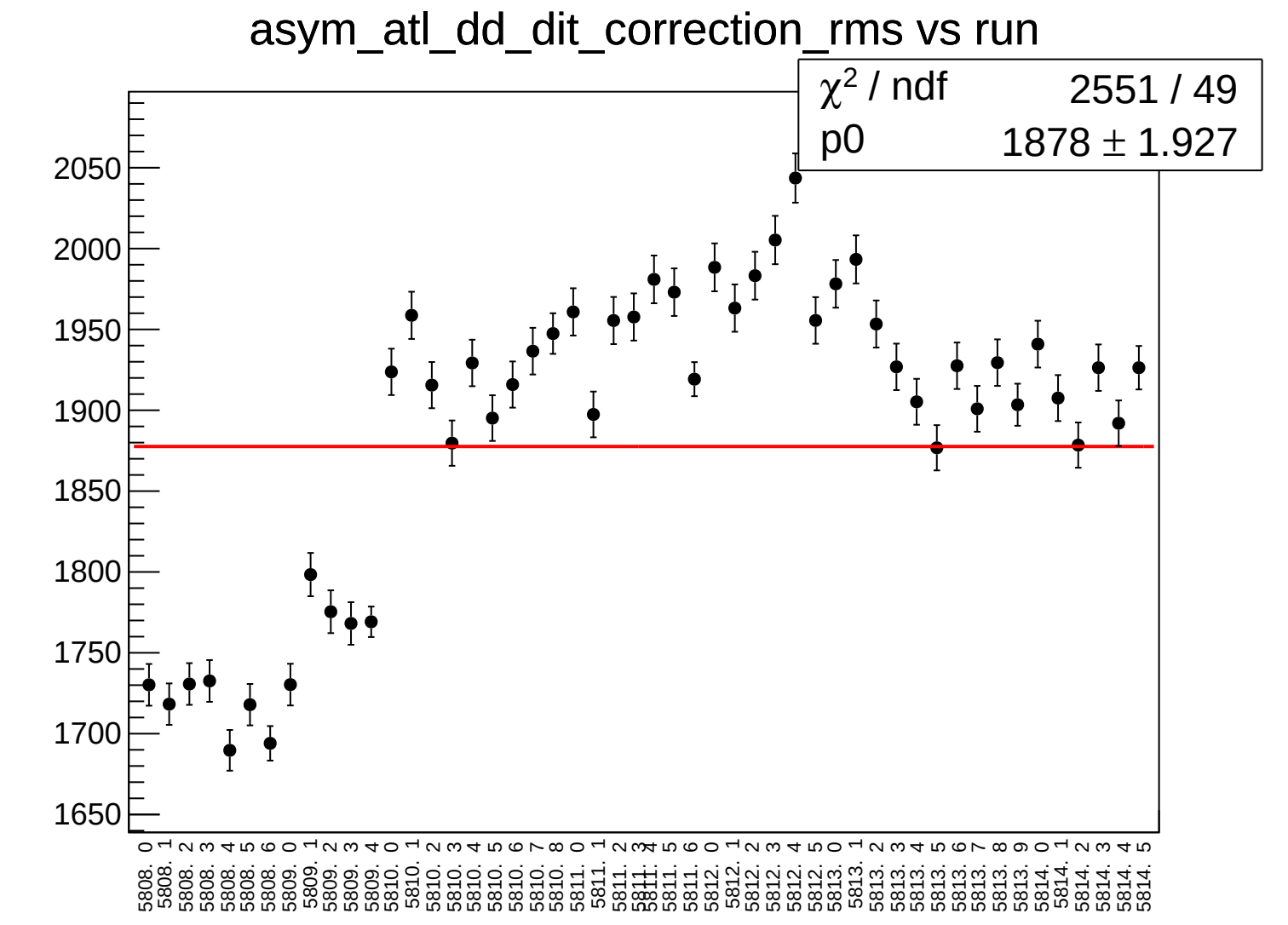

dit_asym_atl_dd_mean vs run
χ² / ndf 38.6 / 49
p0 770.9 ± 2838
pull
Entries 50
Mean 761.1
Std Dev 0


pull1D
Entries 50
Mean 0.002558
Std Dev 0.8786


dit_asym_atl_dd_rms vs run
χ² / ndf 49.1 / 49
p0 1958 ± 2.007
2020
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_dit_correction_mean vs run
χ² / ndf 44.68 / 49
p0 −6057 ± 2725
pull
Entries 50
Mean −215.8
Std Dev 0


pull1D
Entries 50
Mean 0.007564
Std Dev 0.9453


asym_atl_dd_dit_correction_rms vs run
χ² / ndf 2551 / 49
p0 1878 ± 1.927
2050
2000
1950
1900
1850
1800
1750
1700
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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5814. 2
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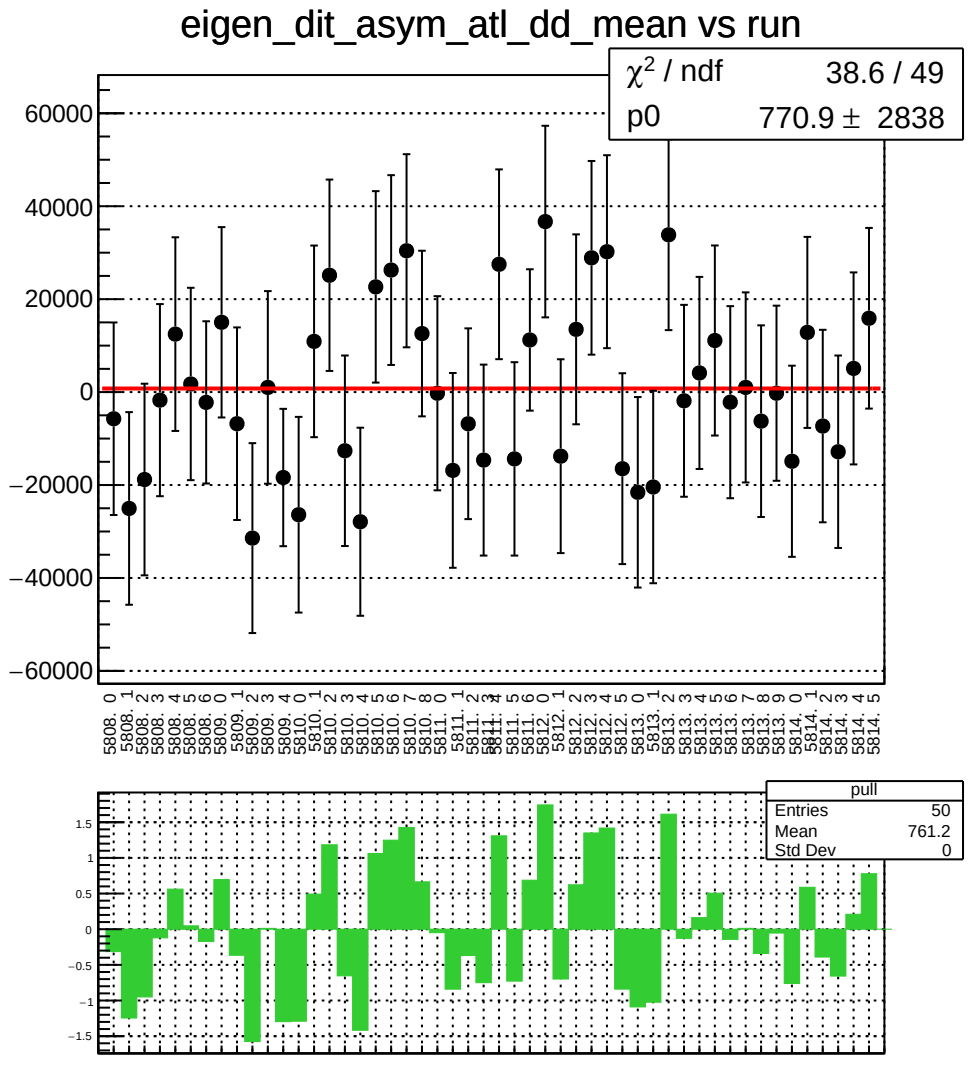
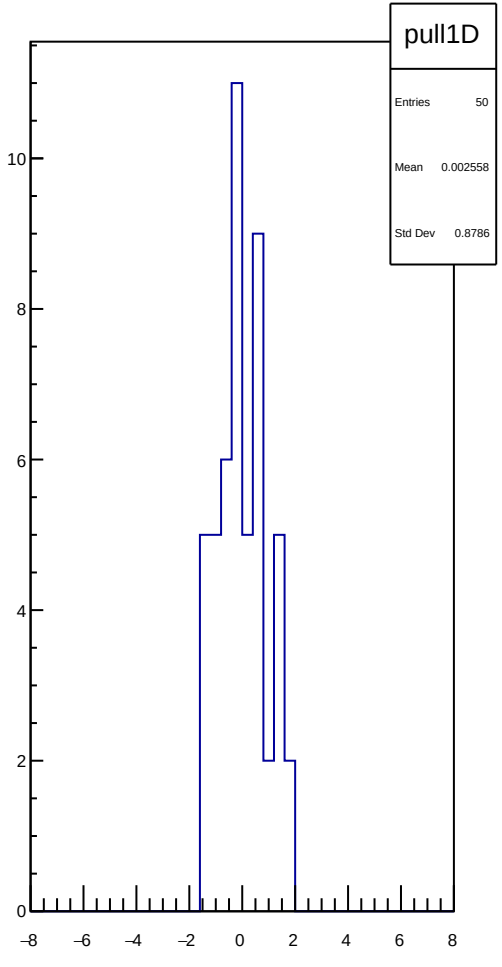
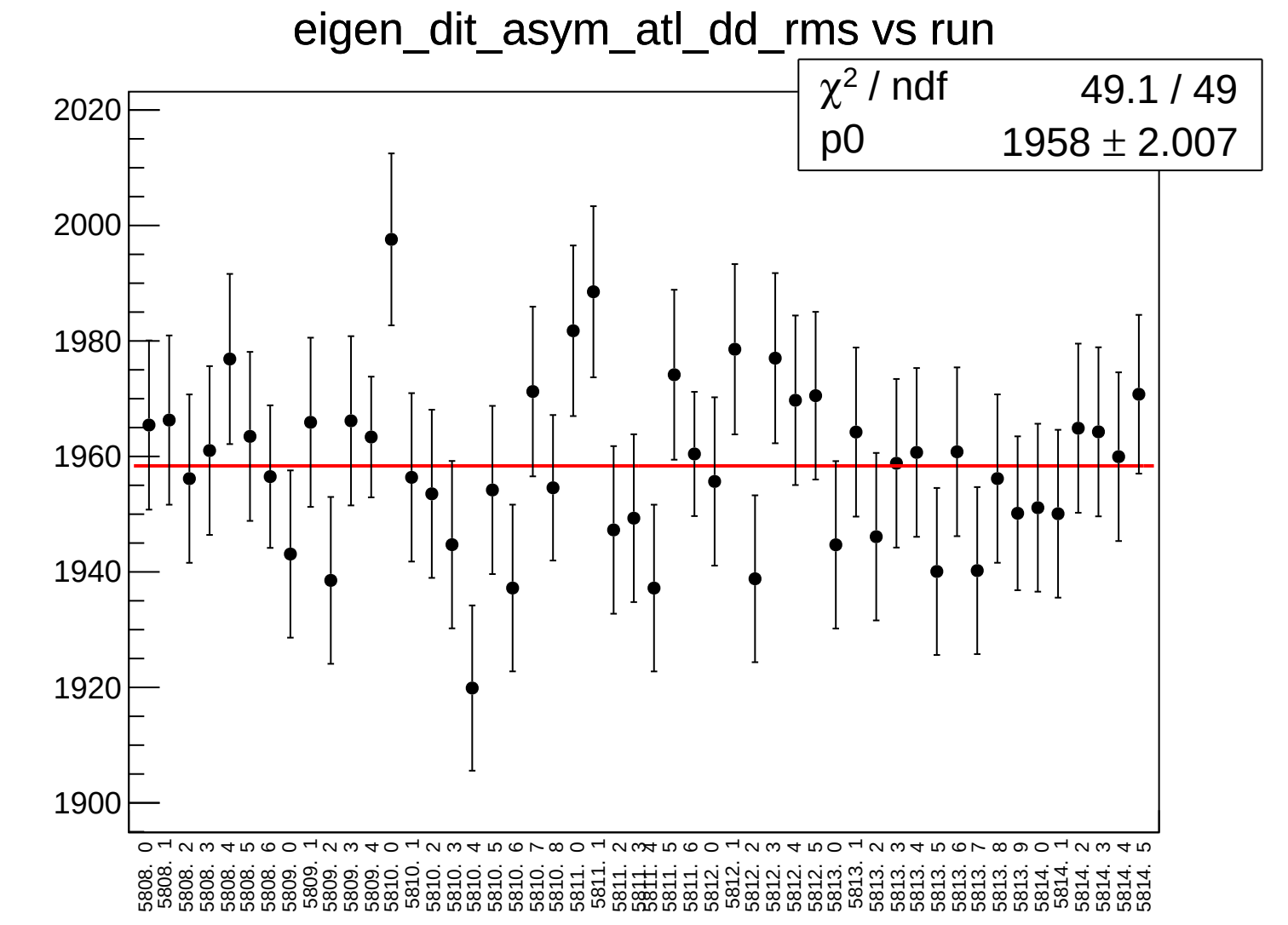
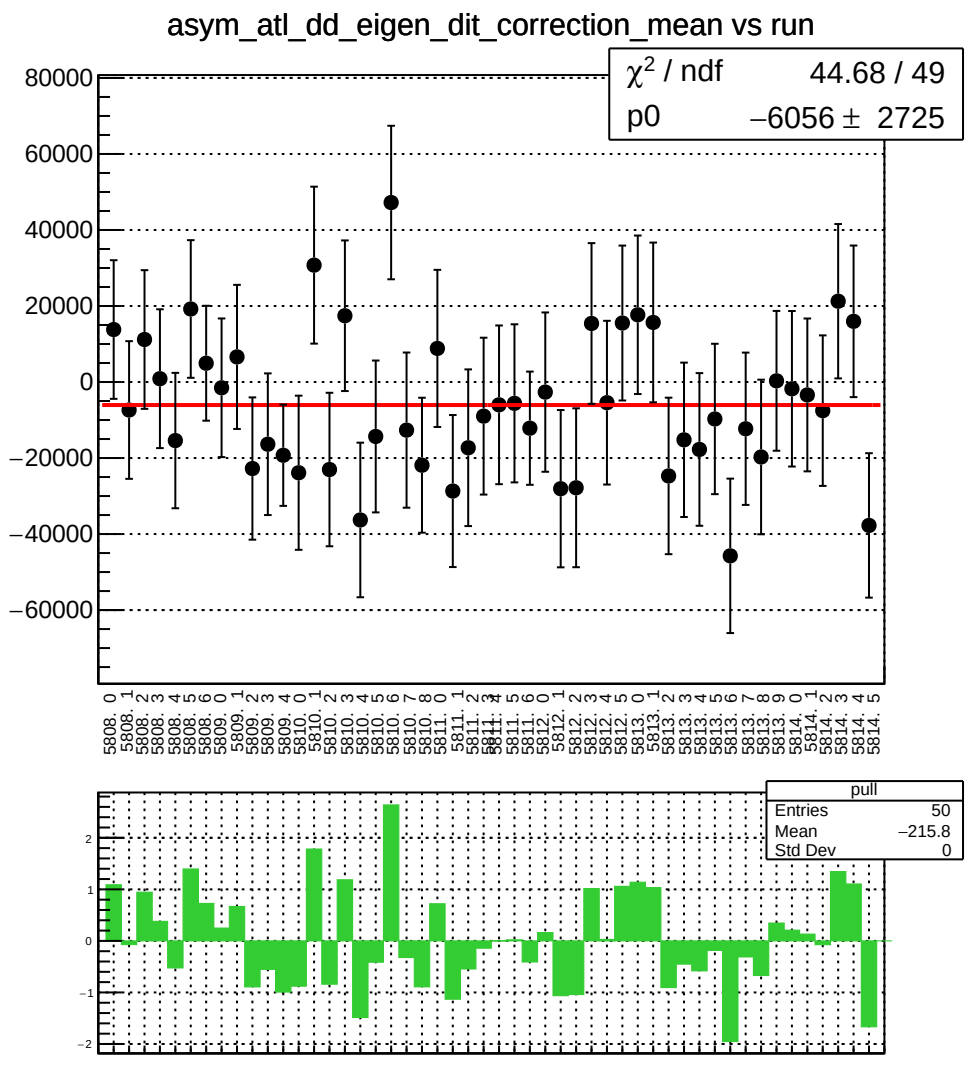
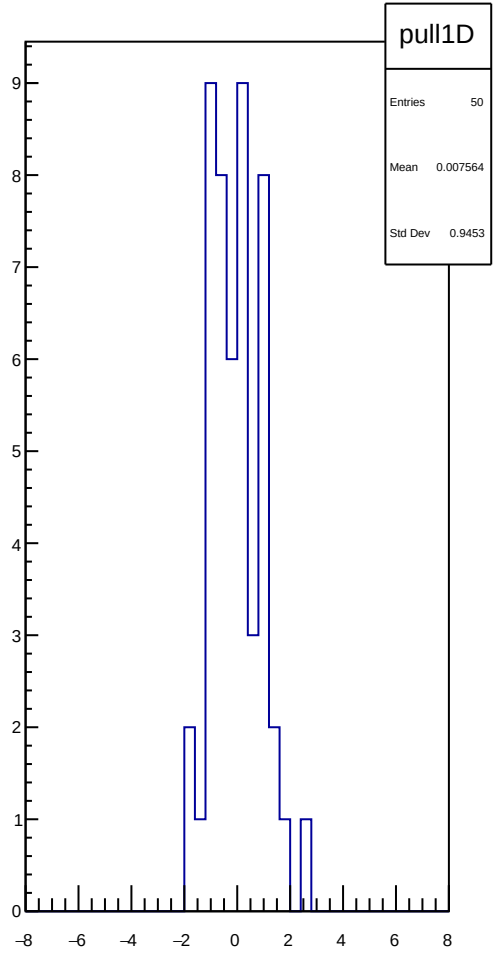
5814. 4
5814. 5

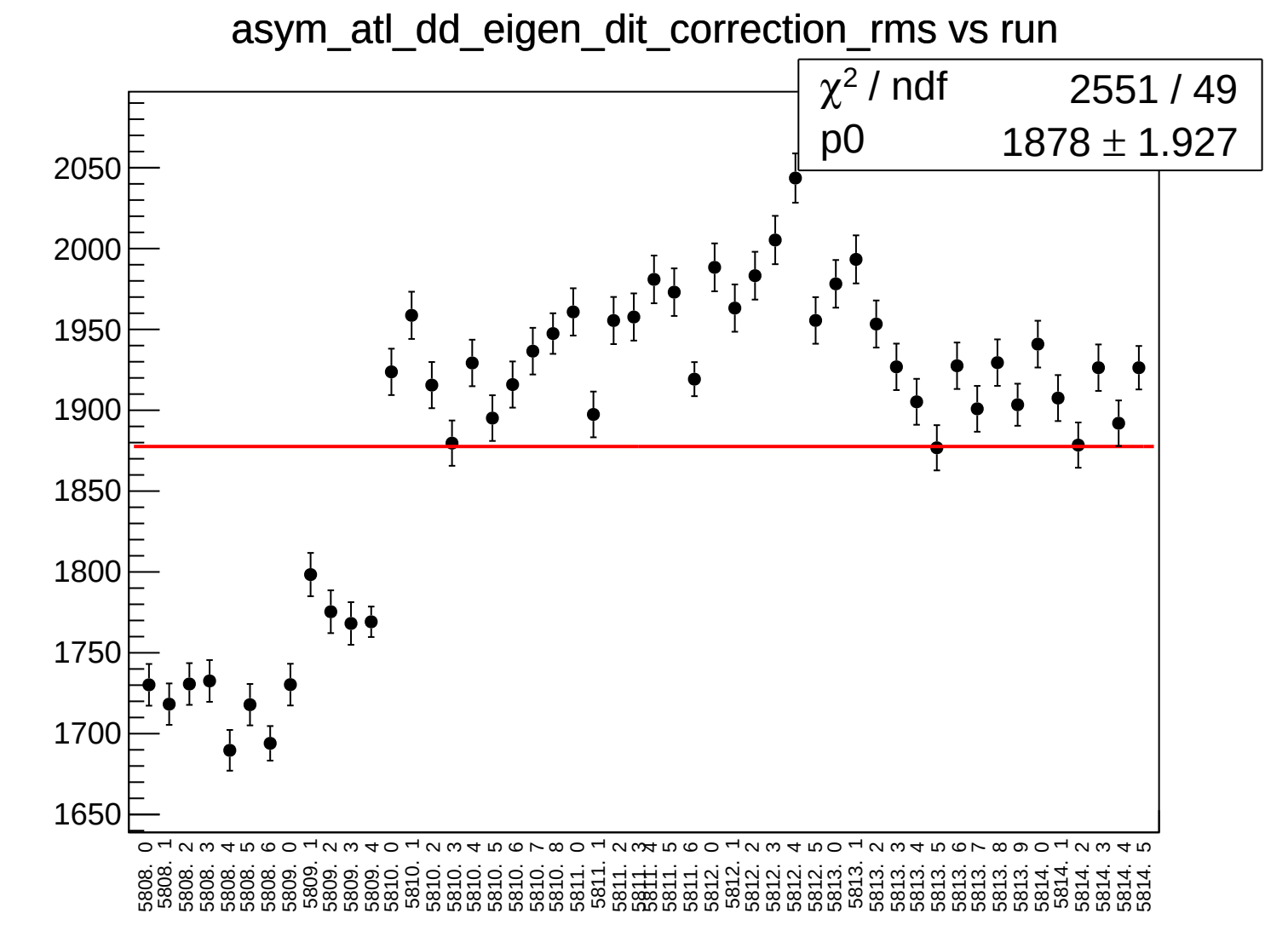

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 38.6 / 49
p0 770.9 ± 2838
pull
Entries 50
Mean 761.2
Std Dev 0


pull1D
Entries 50
Mean 0.002558
Std Dev 0.8786


eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 49.1 / 49
p0 1958 ± 2.007
2020
2000
1980
1960
1940
1920
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.68 / 49
p0 −6056 ± 2725
pull
Entries 50
Mean −215.8
Std Dev 0


pull1D
Entries 50
Mean 0.007564
Std Dev 0.9453


asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 2551 / 49
p0 1878 ± 1.927
2050
2000
1950
1900
1850
1800
1750
1700
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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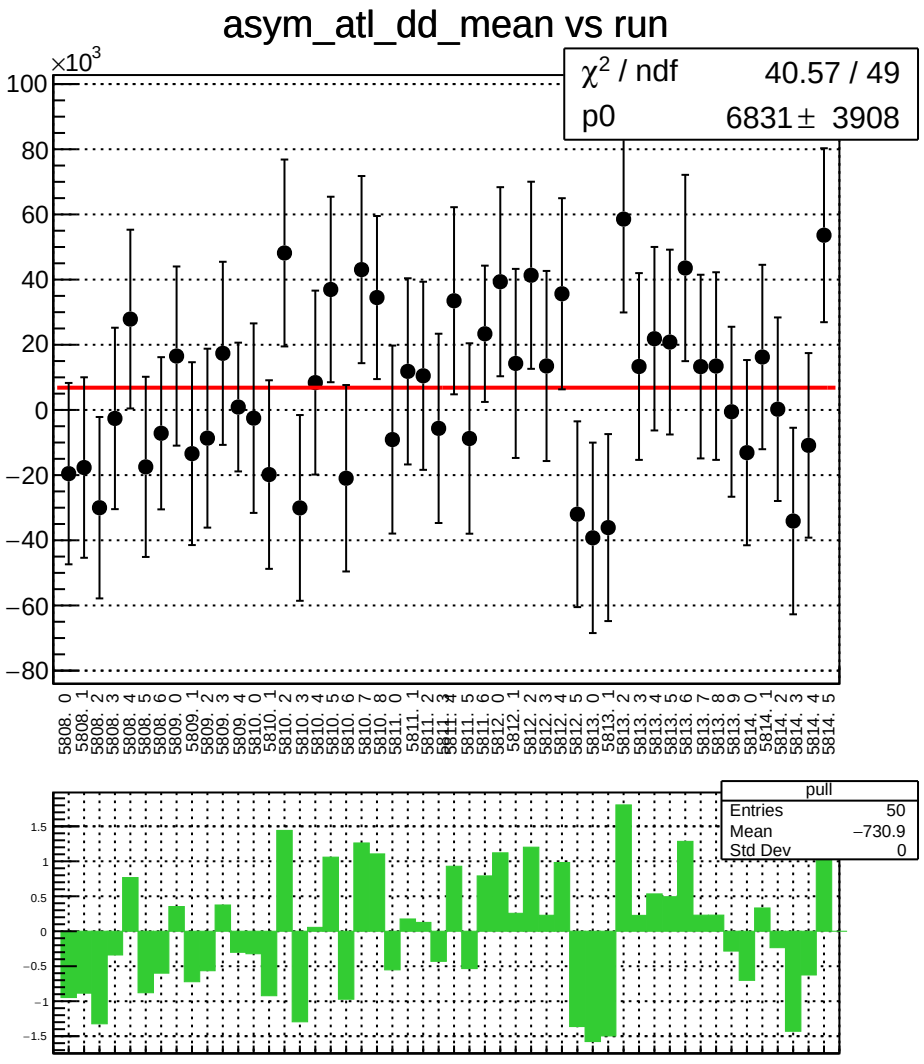
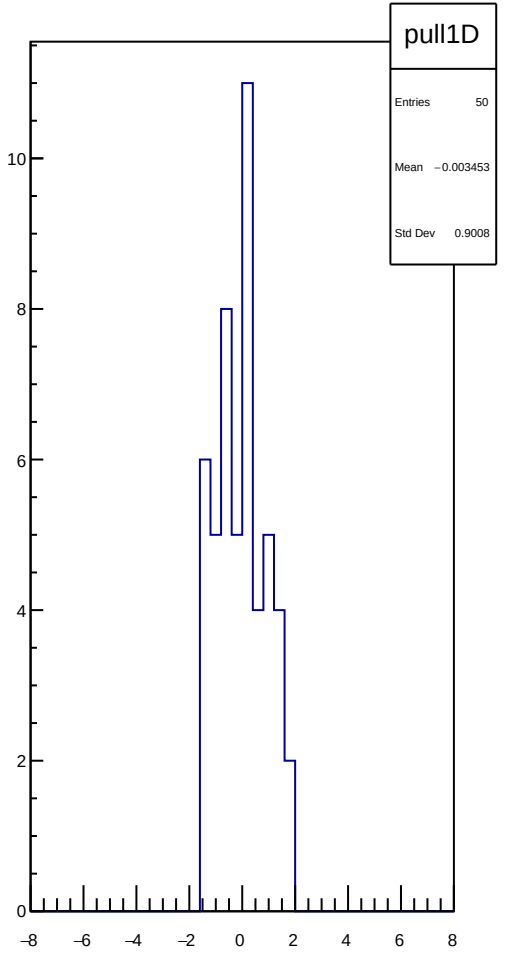
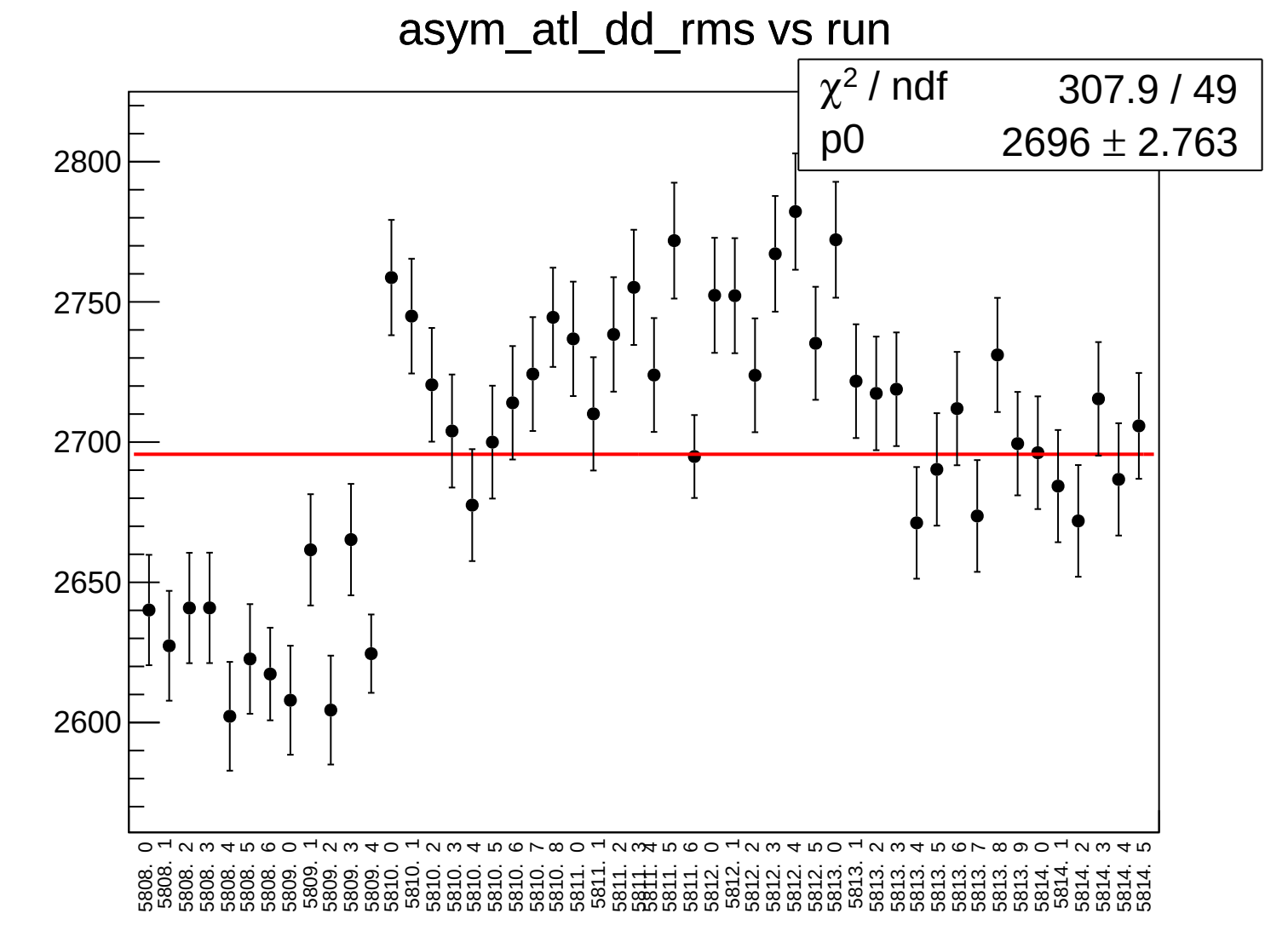
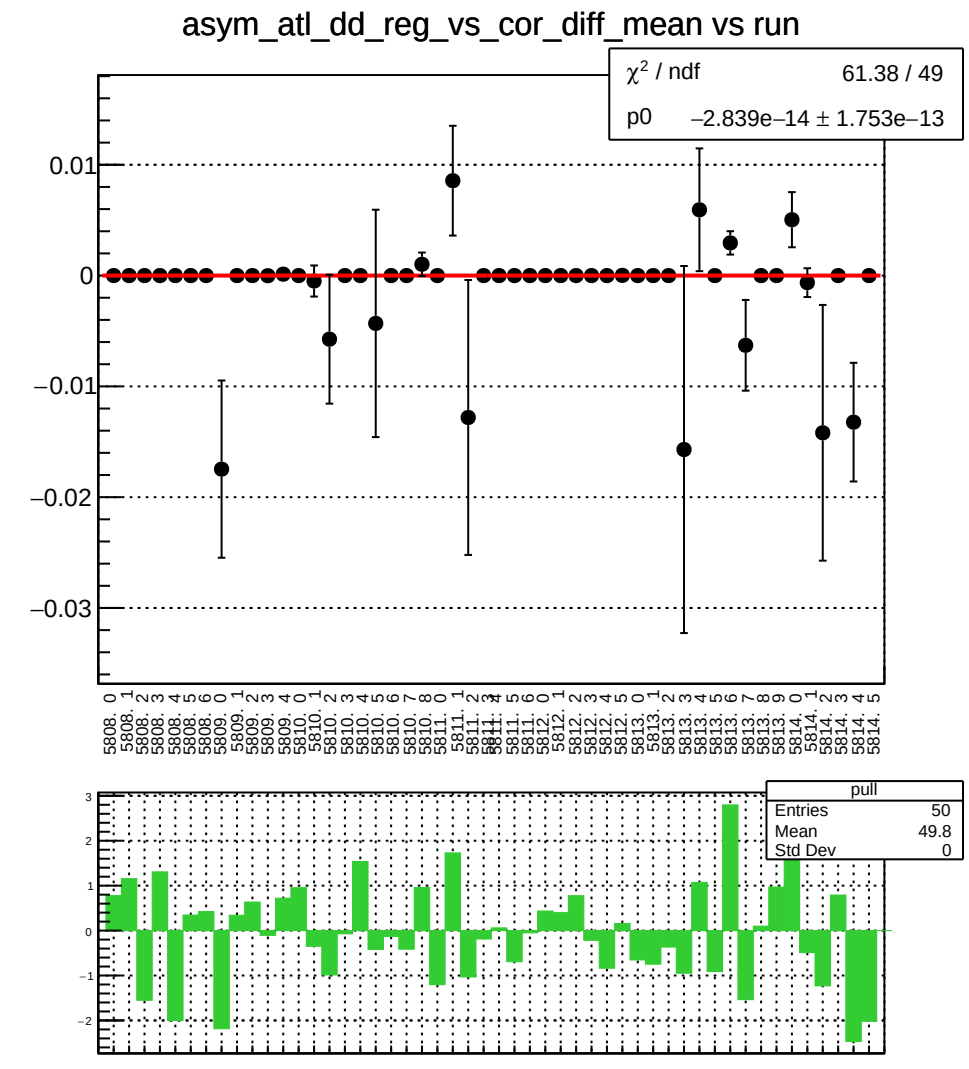
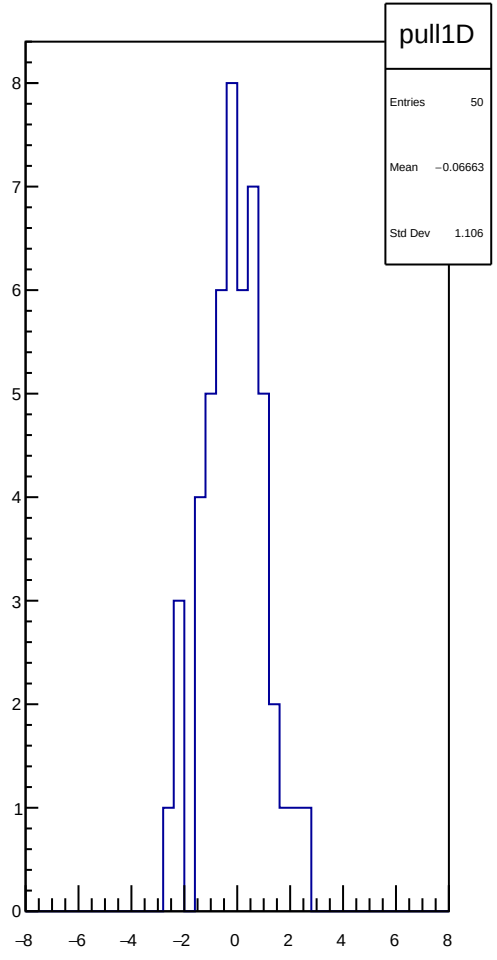
5814. 4
5814. 5

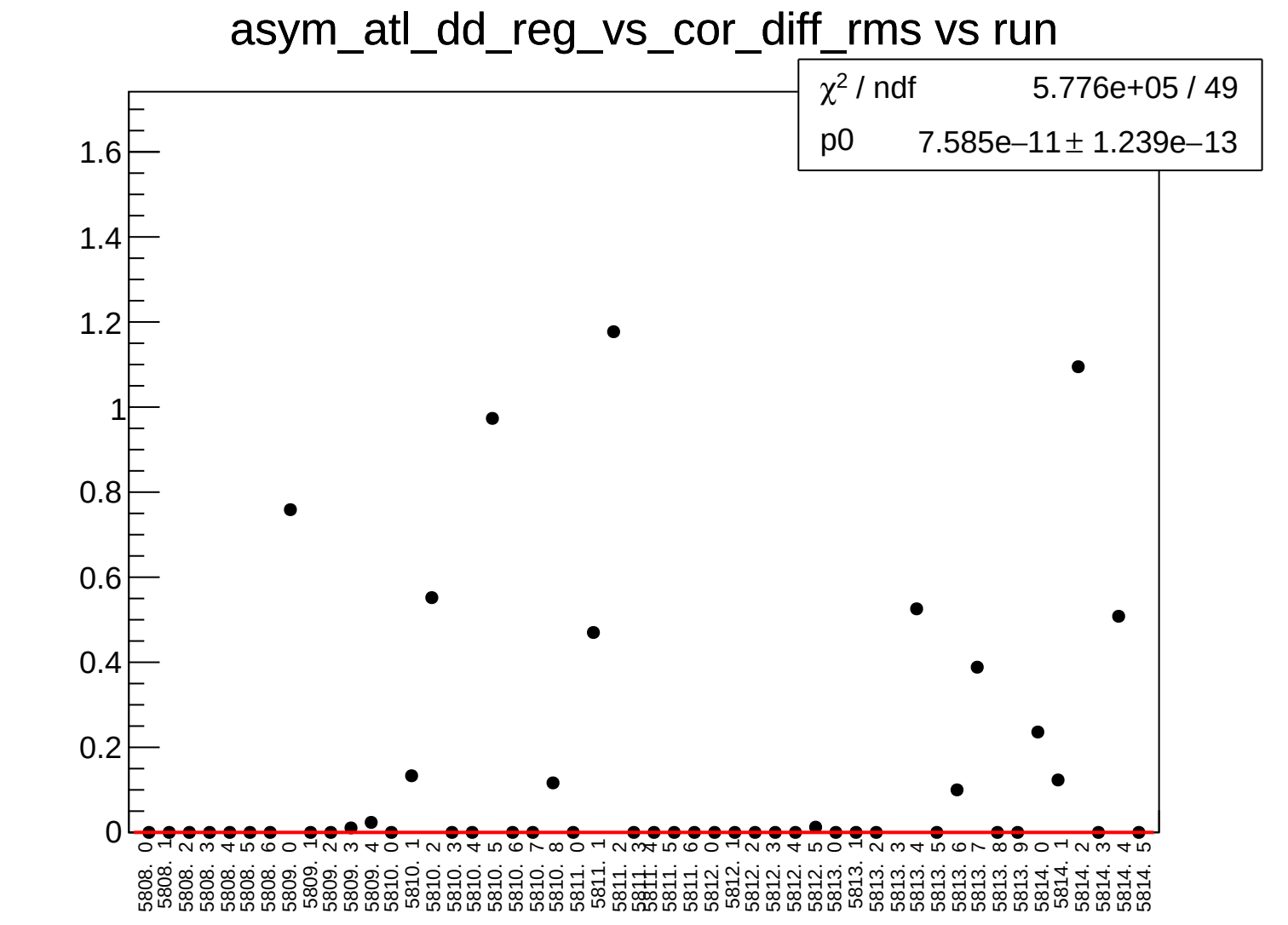

asym_atl_dd_mean vs run
×10^3
χ^2 / ndf 40.57 / 49
p0 6831 ± 3908
pull
Entries 50
Mean −730.9
Std Dev 0


pull1D
Entries 50
Mean −0.003453
Std Dev 0.9008


asym_atl_dd_rms vs run
χ² / ndf 307.9 / 49
p0 2696 ± 2.763
2800
2750
2700
2650
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.38 / 49
p0 −2.839e−14 ± 1.753e−13
0.01
0
−0.01
−0.02
−0.03
pull
Entries 50
Mean 49.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.06663
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.776e+05 / 49
p0 7.585e−11 ± 1.239e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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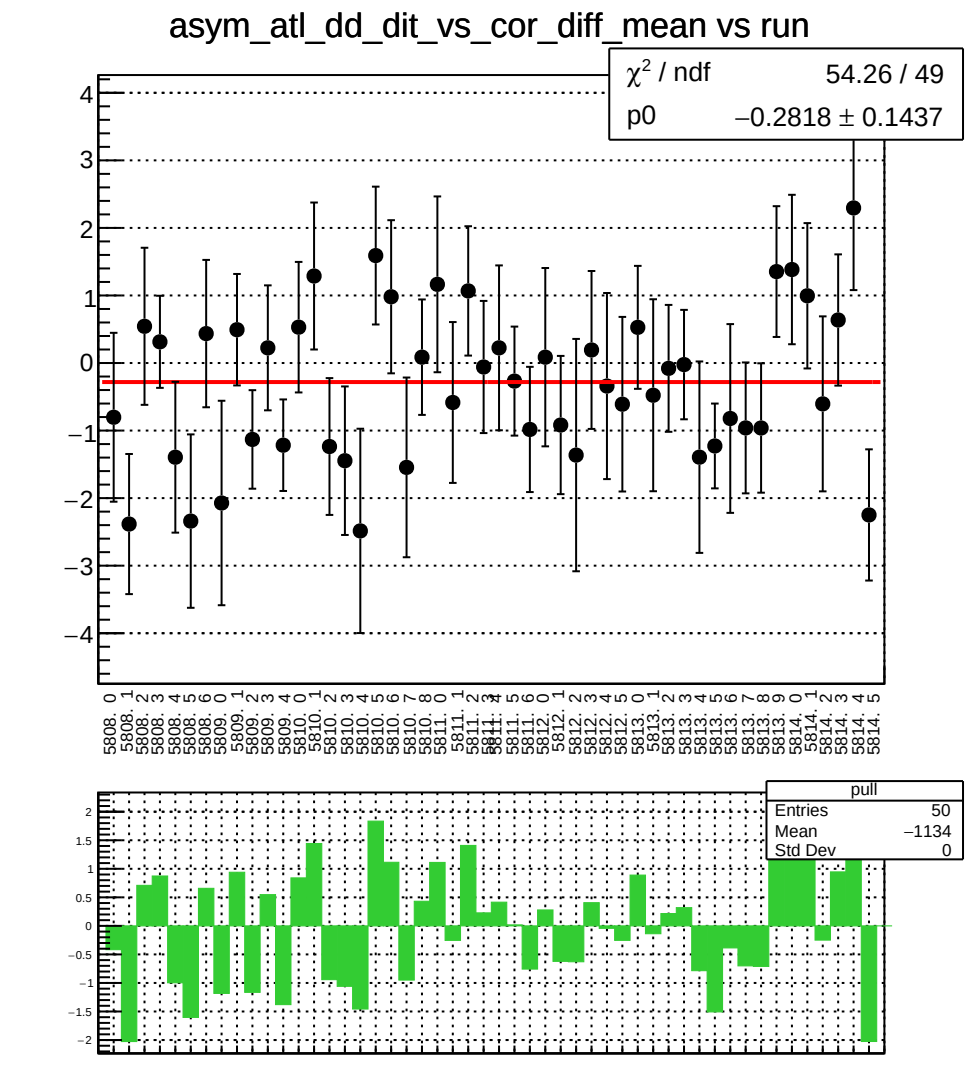
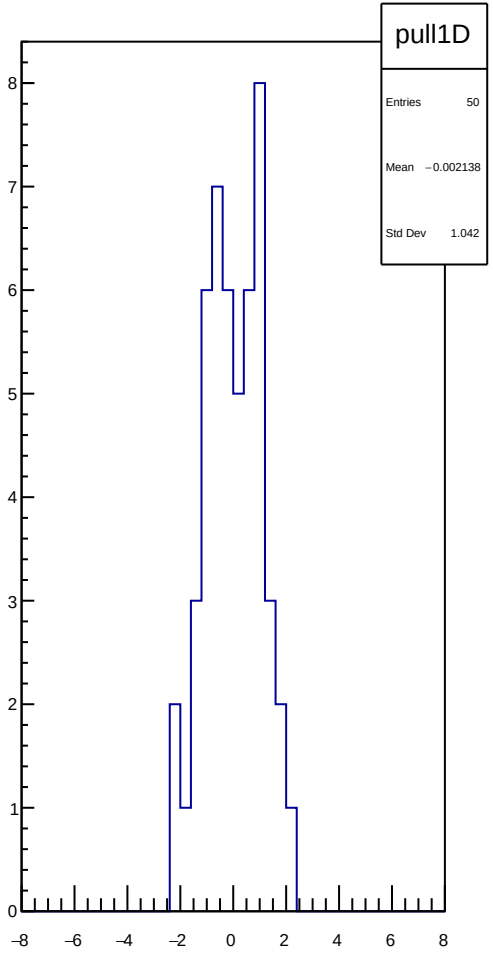
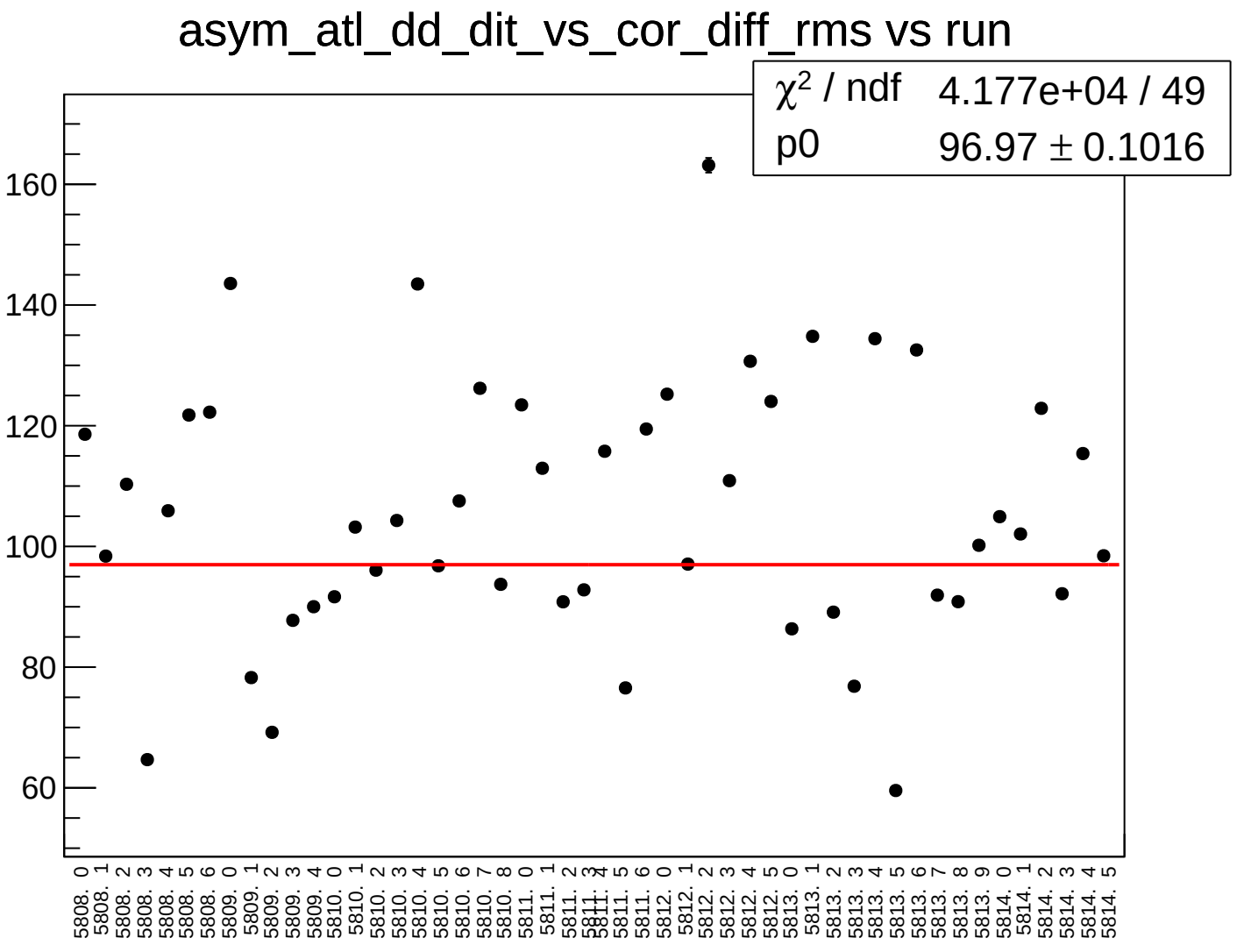
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.26 / 49
p0 −0.2818 ± 0.1437
pull
Entries 50
Mean −1134
Std Dev 0


pull1D
Entries 50
Mean −0.002138
Std Dev 1.042


asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.177e+04 / 49
p0 96.97 ± 0.1016
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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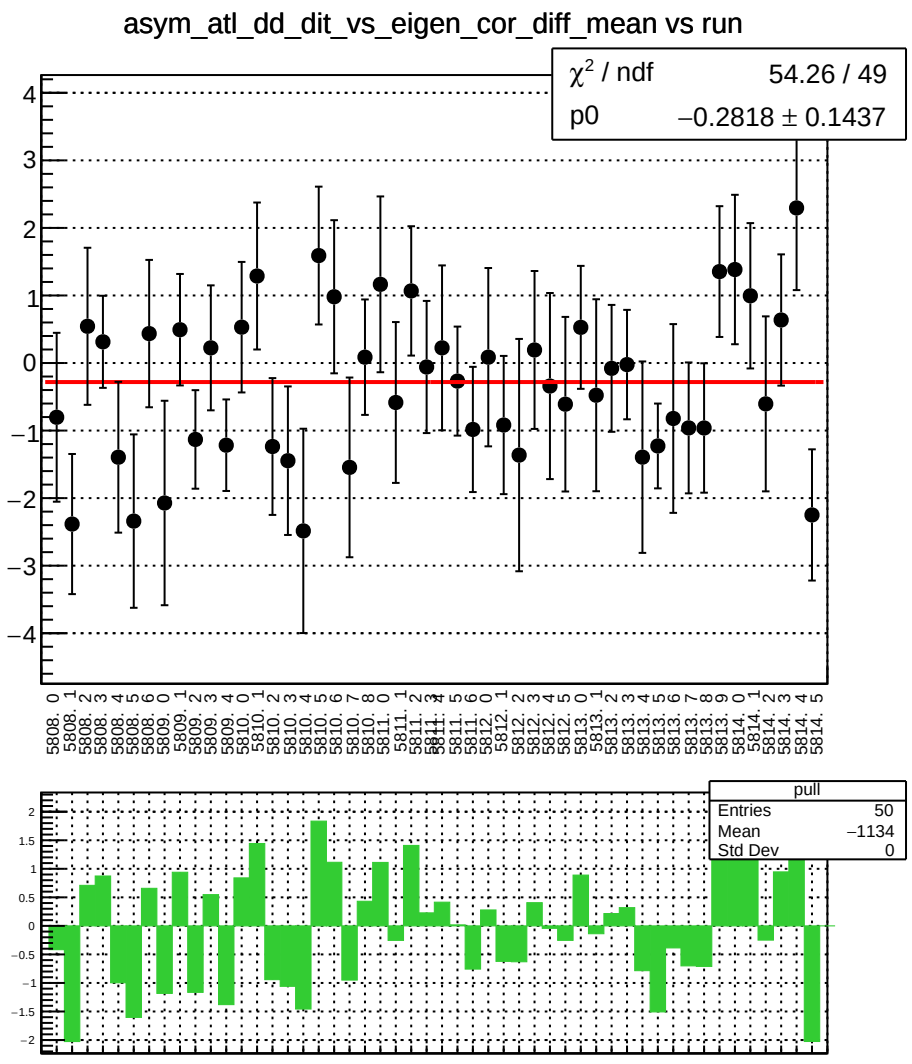
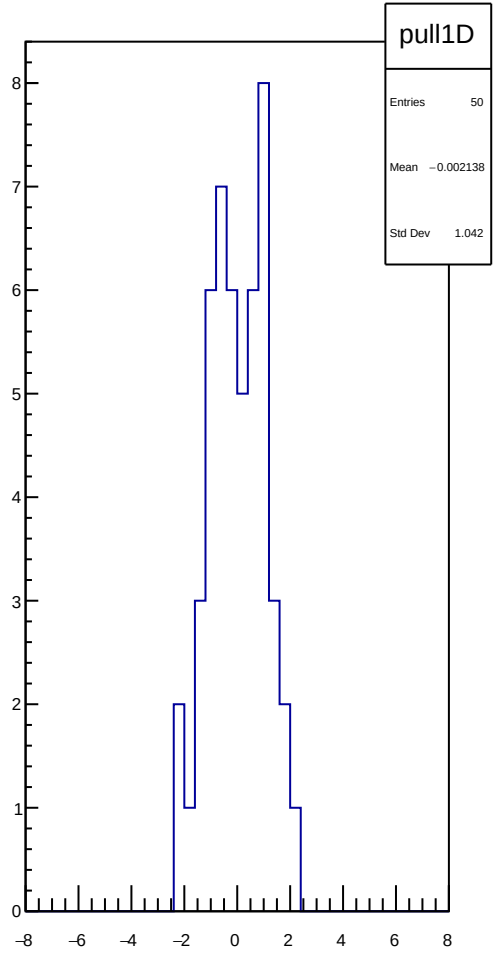
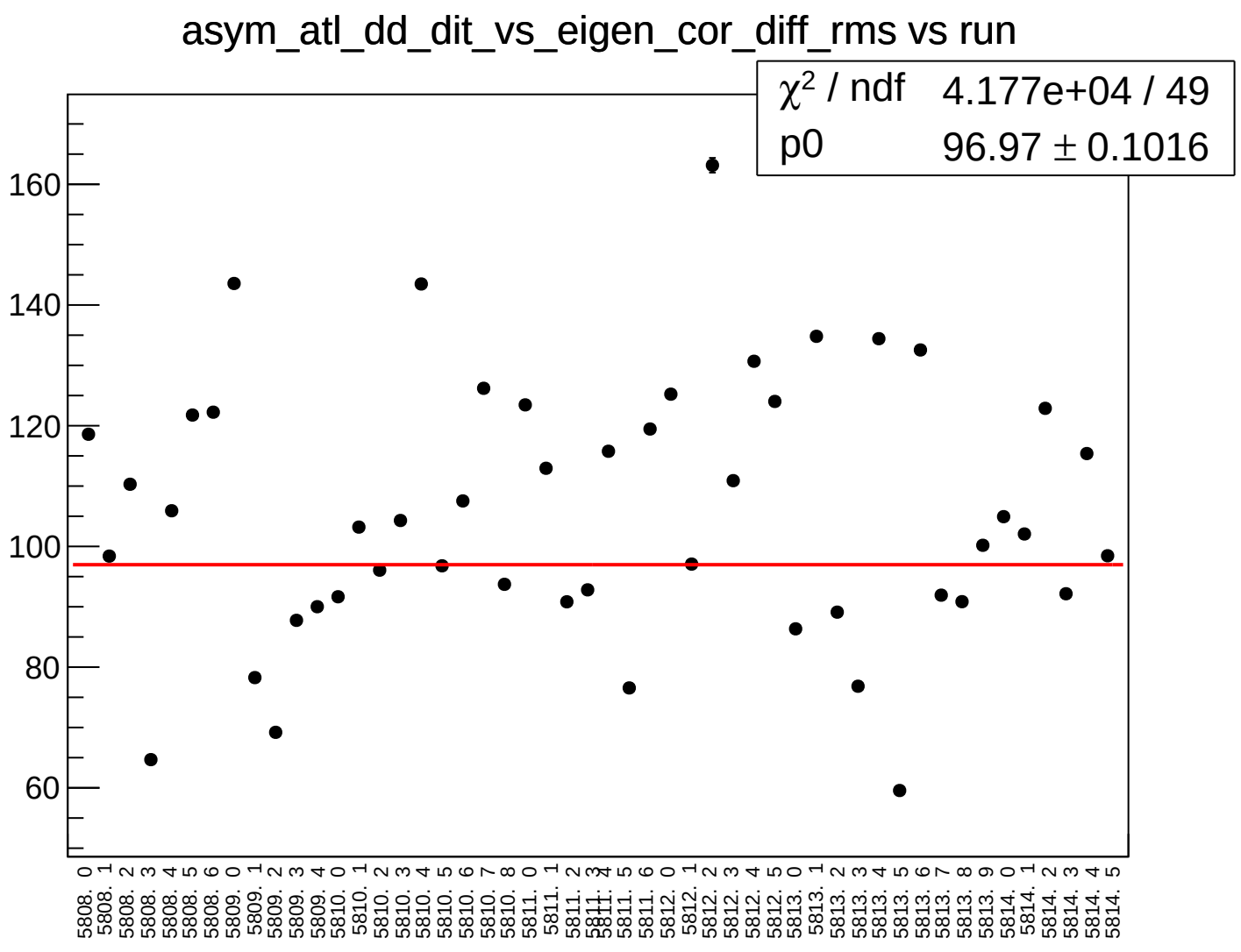
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.26 / 49
p0 −0.2818 ± 0.1437
pull
Entries 50
Mean −1134
Std Dev 0


pull1D
Entries 50
Mean −0.002138
Std Dev 1.042


asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.177e+04 / 49
p0 96.97 ± 0.1016
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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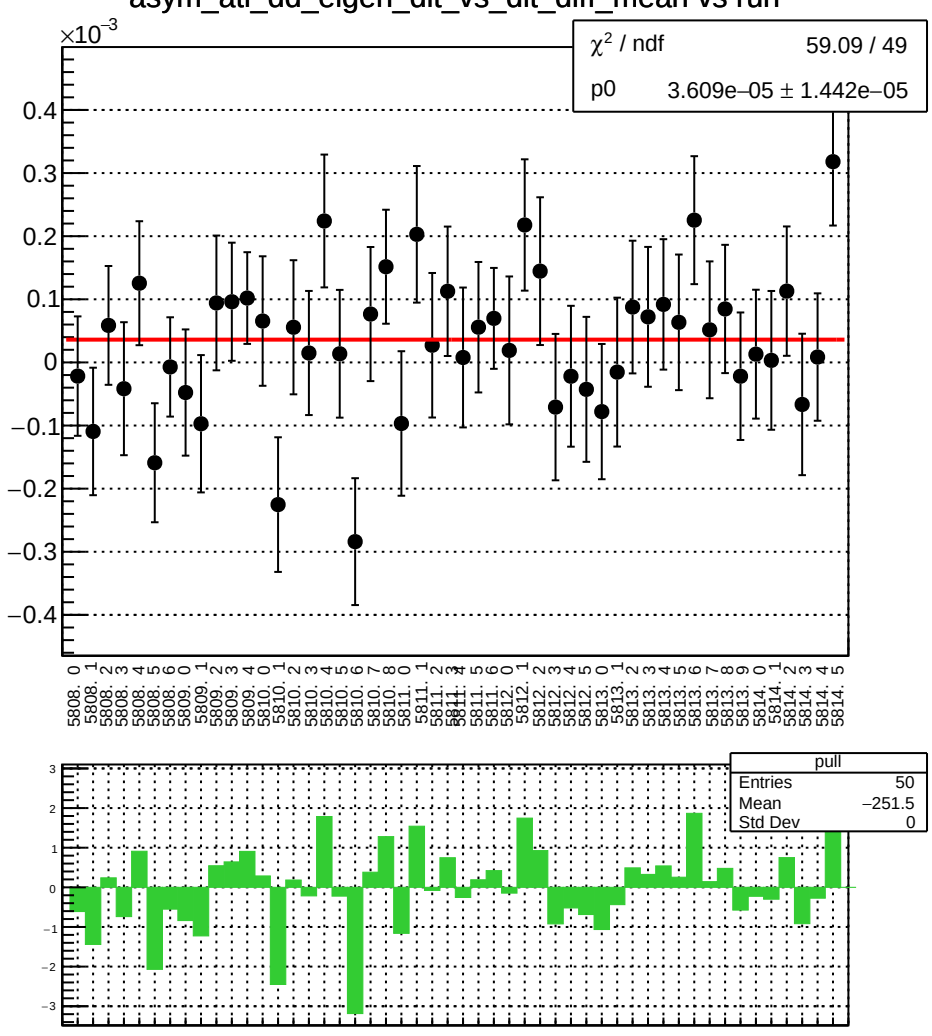
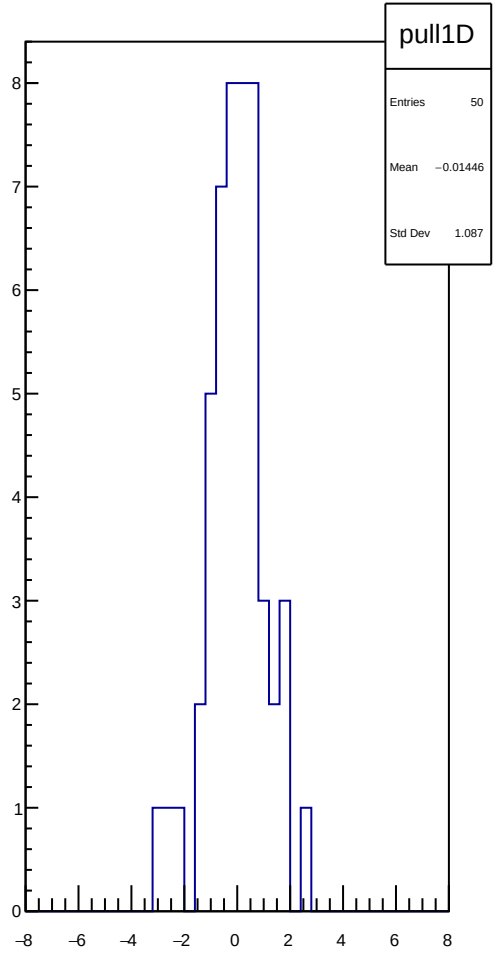
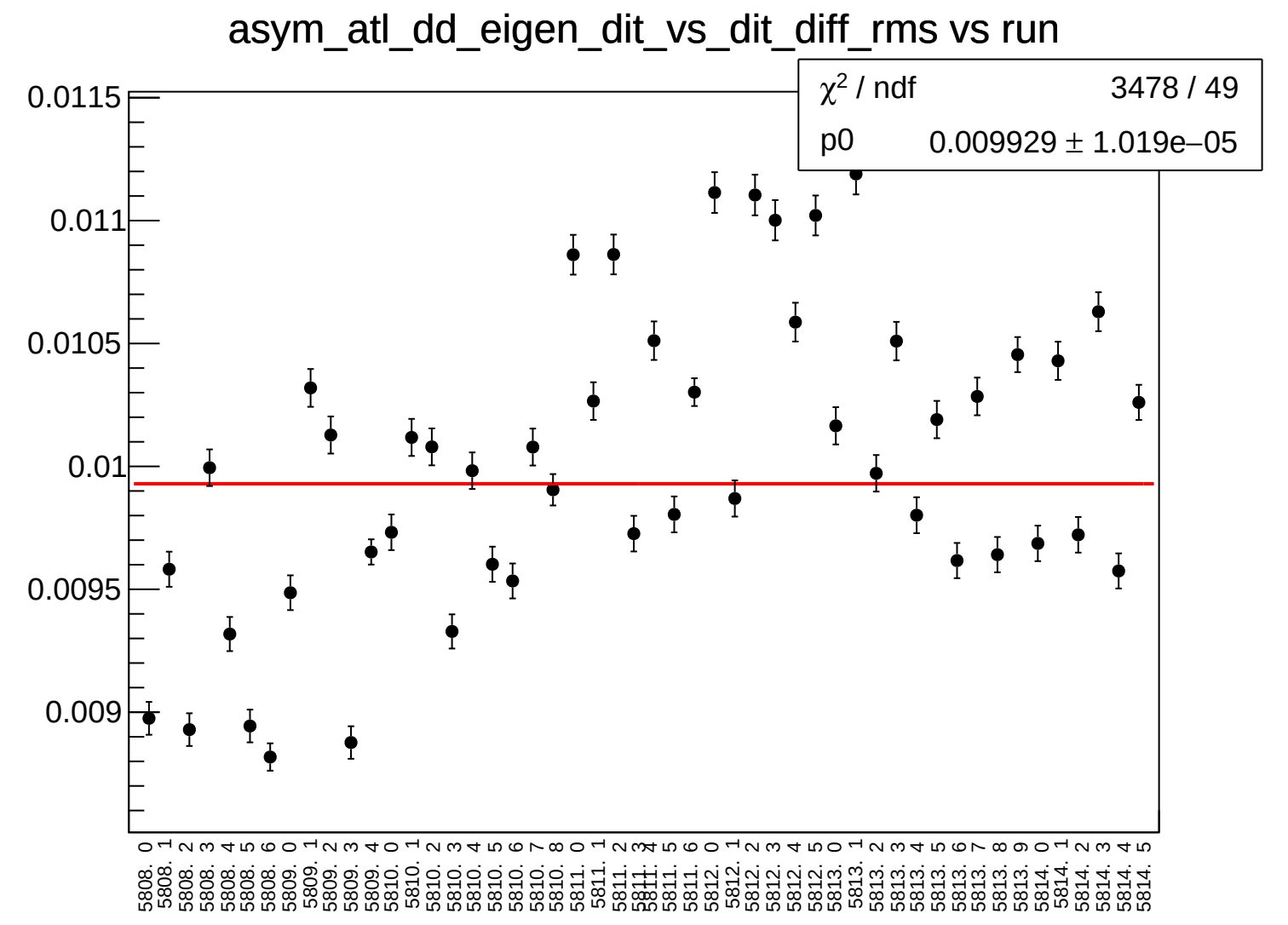
5814. 4
5814. 5


asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.09 / 49
p0 3.609e−05 ± 1.442e−05
pull
Entries 50
Mean −251.5
Std Dev 0


pull1D
Entries 50
Mean −0.01446
Std Dev 1.087


asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3478 / 49
p0 0.009929 ± 1.019e−05
0.0115
0.011
0.0105
0.01
0.0095
0.009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 5
5811. 6
5812. 0
5812. 1
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5812. 3
5812. 4
5812. 5
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5813. 1
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5813. 3
5813. 4
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5814. 2
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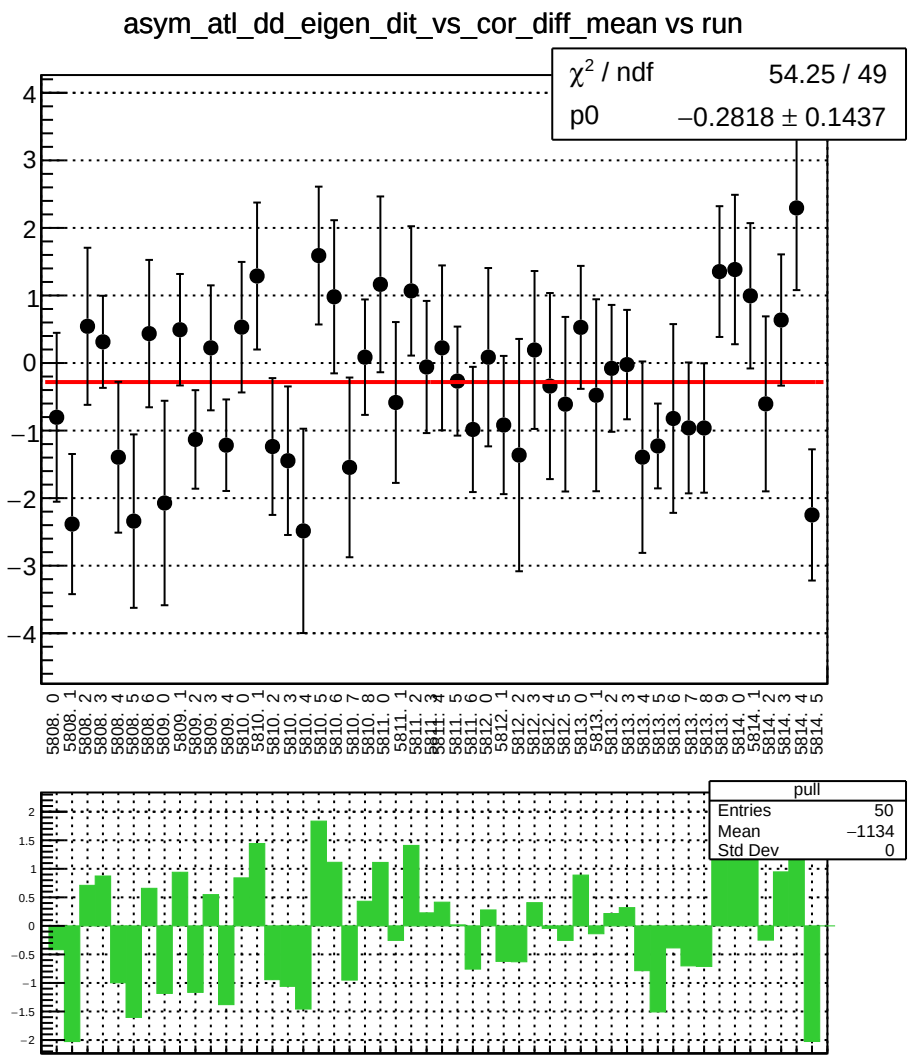
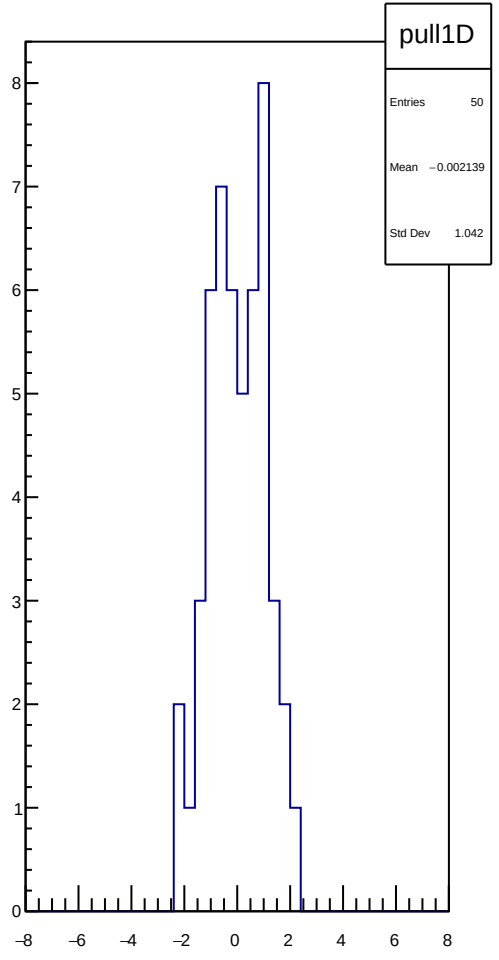
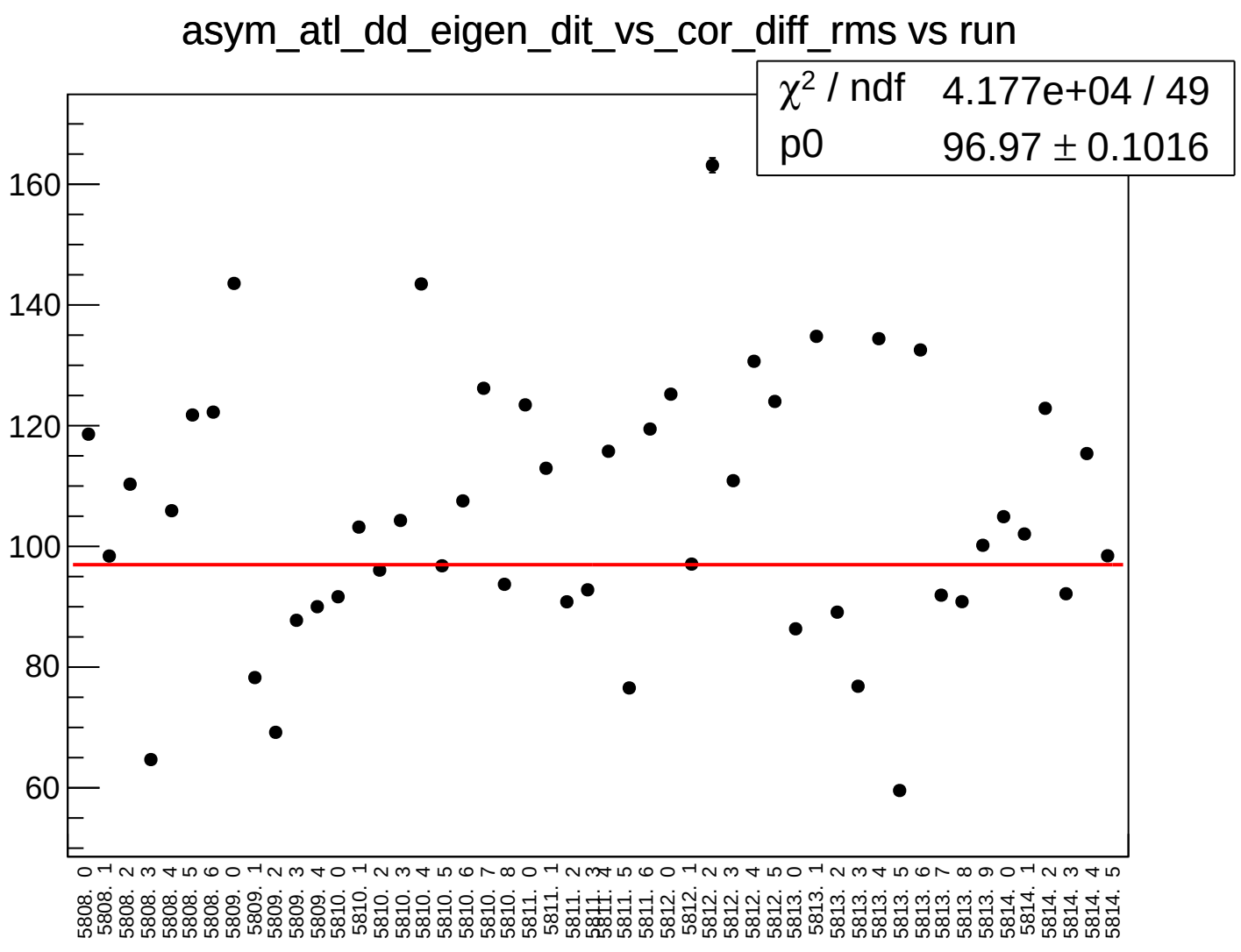
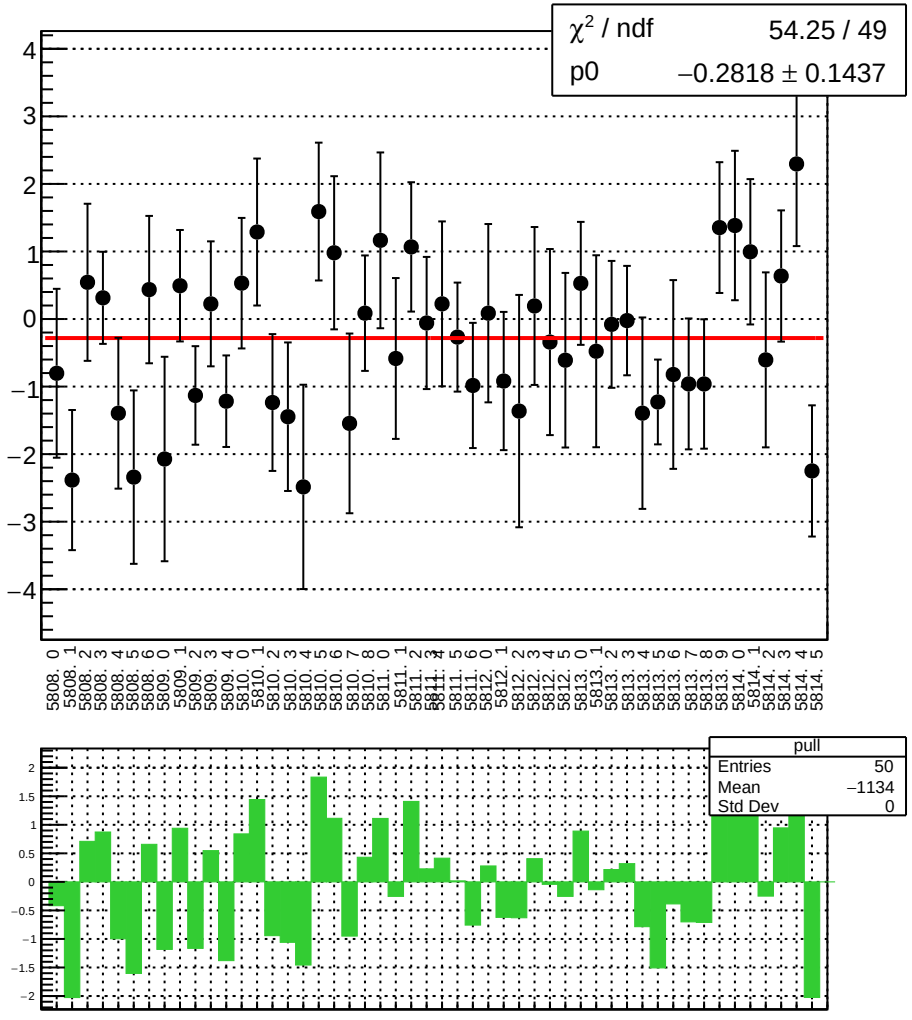
5814. 5

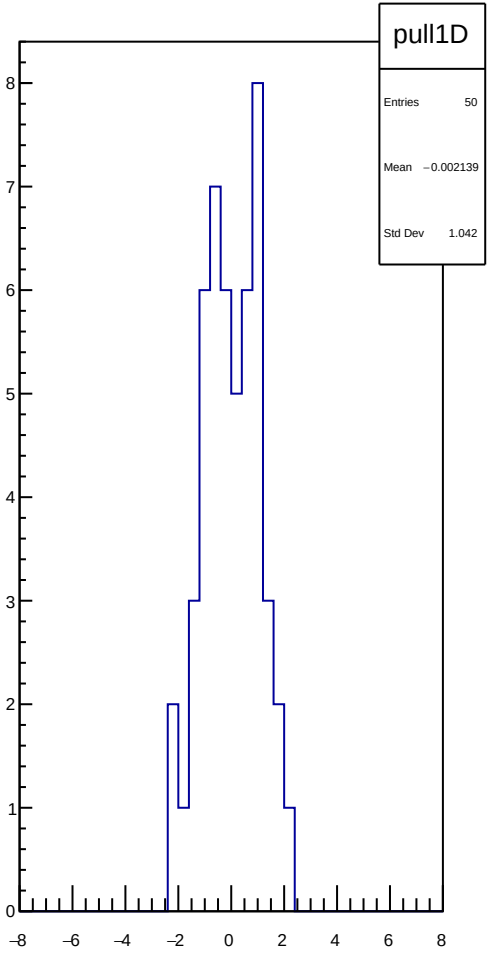

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.25 / 49
p0 −0.2818 ± 0.1437
pull
Entries 50
Mean −1134
Std Dev 0

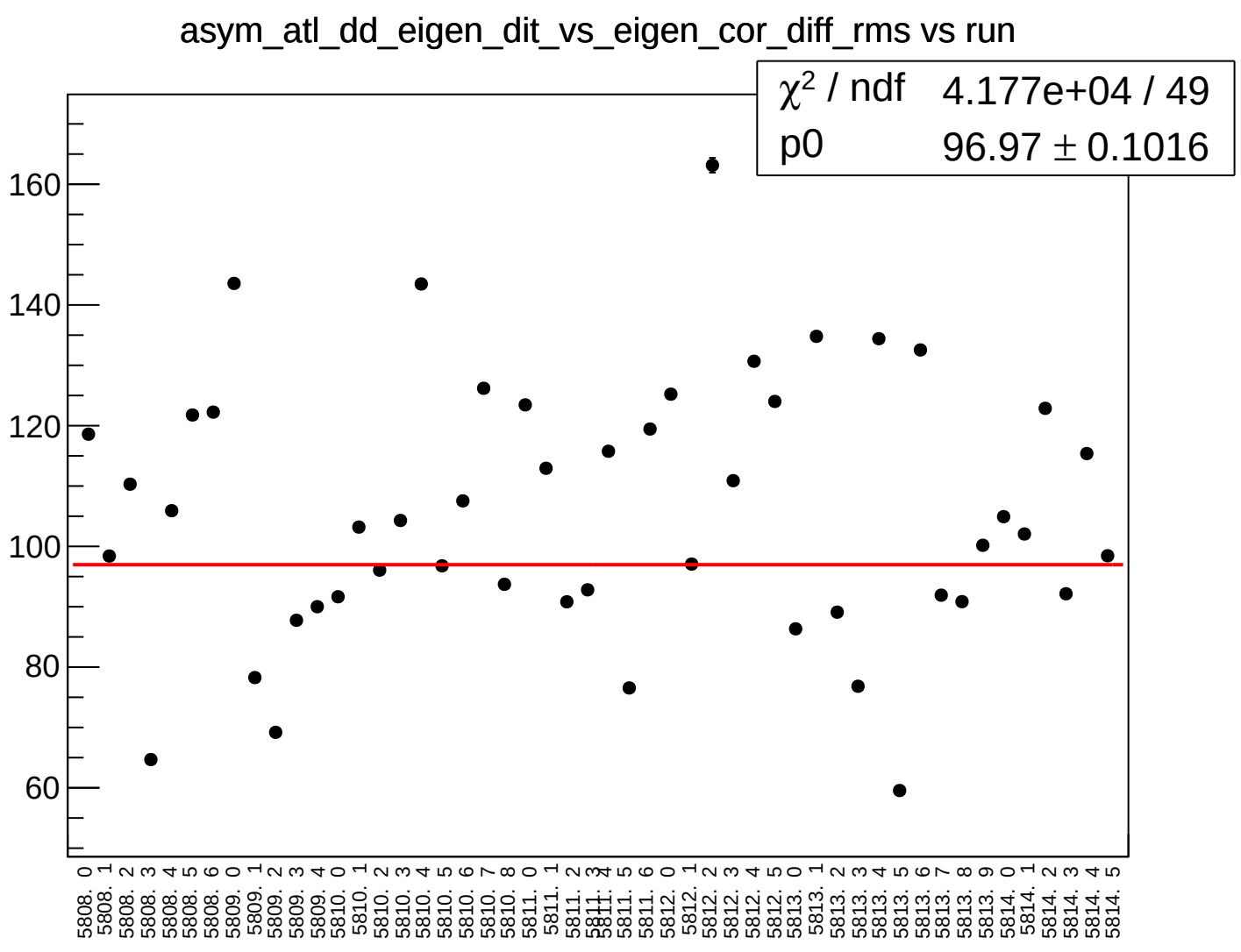

pull1D
Entries 50
Mean −0.002139
Std Dev 1.042

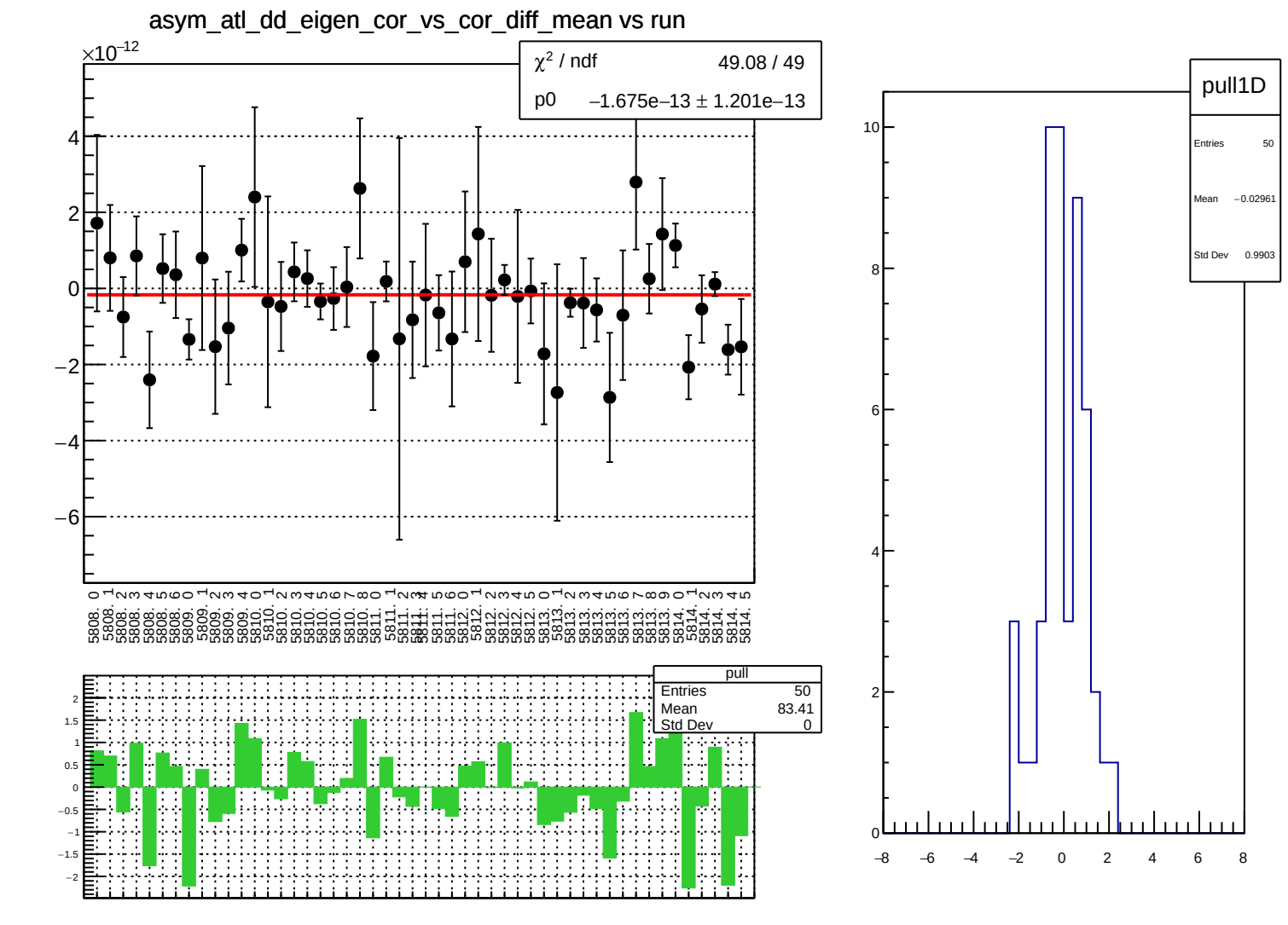

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.177e+04 / 49
p0 96.97 ± 0.1016
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

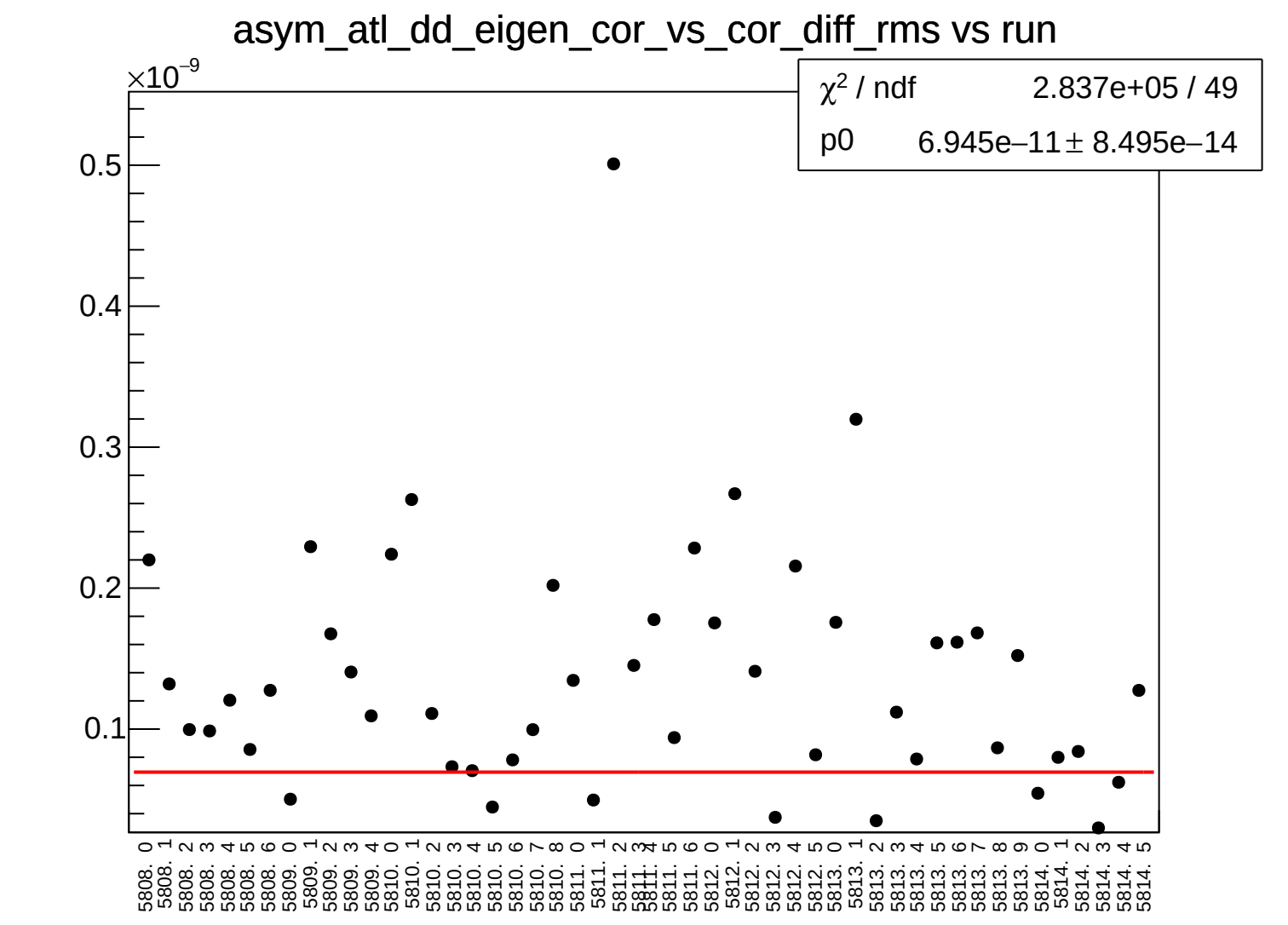
asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

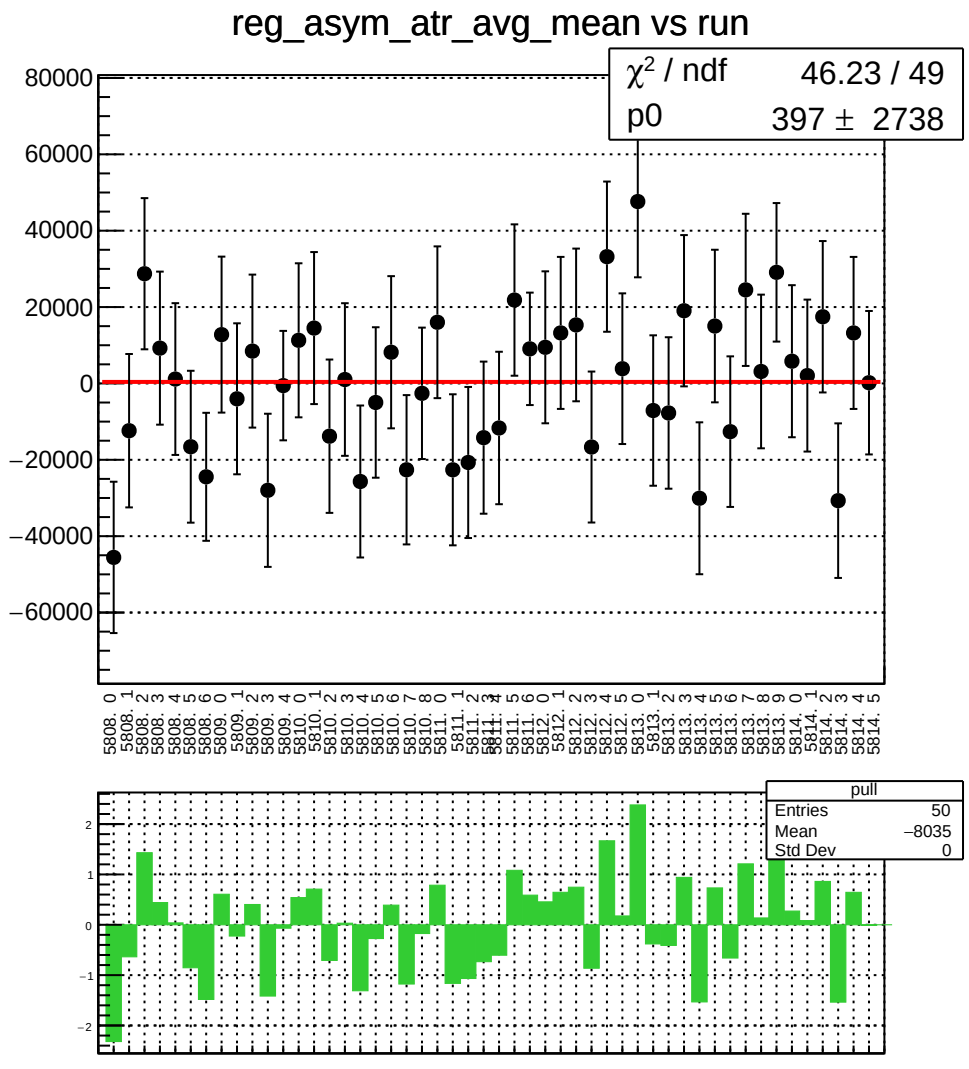


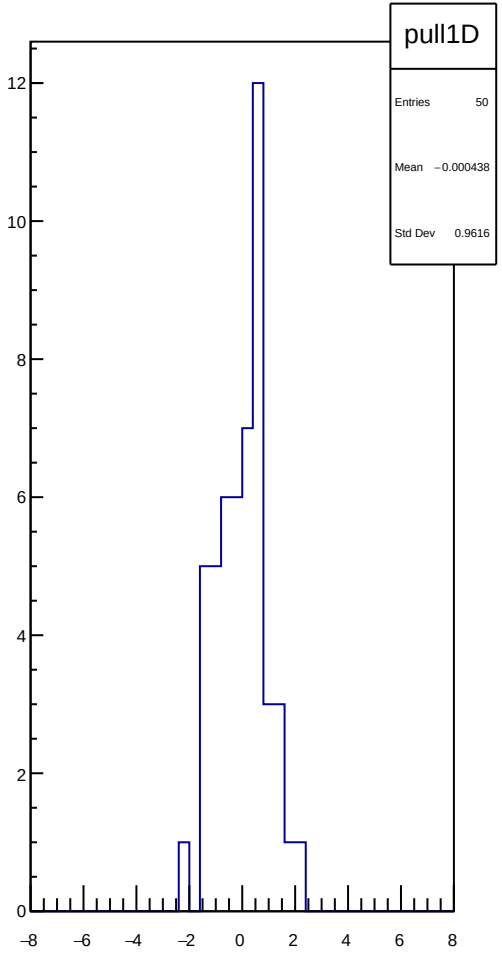


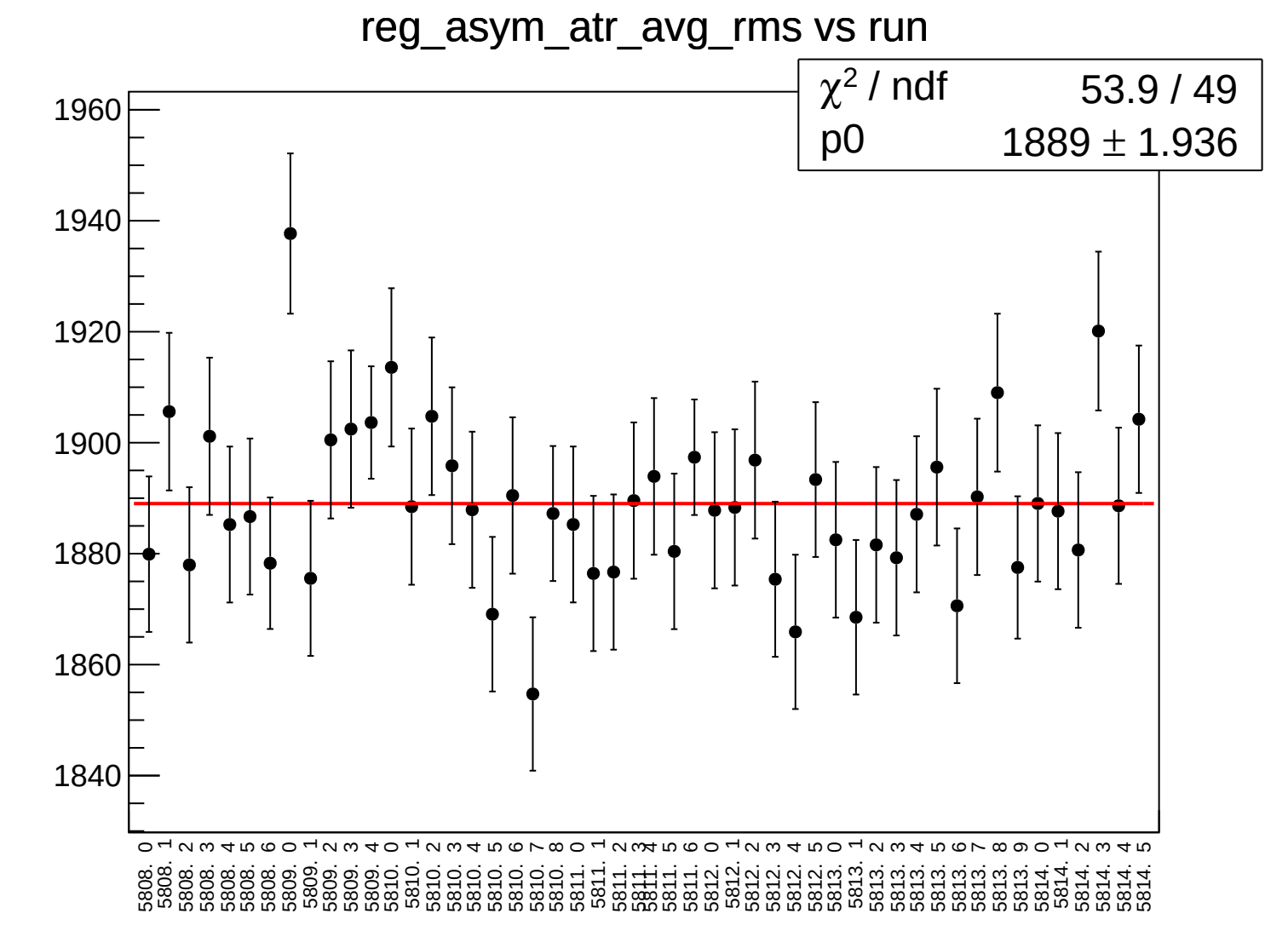

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.177e+04 / 49
p0 96.97 ± 0.1016
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

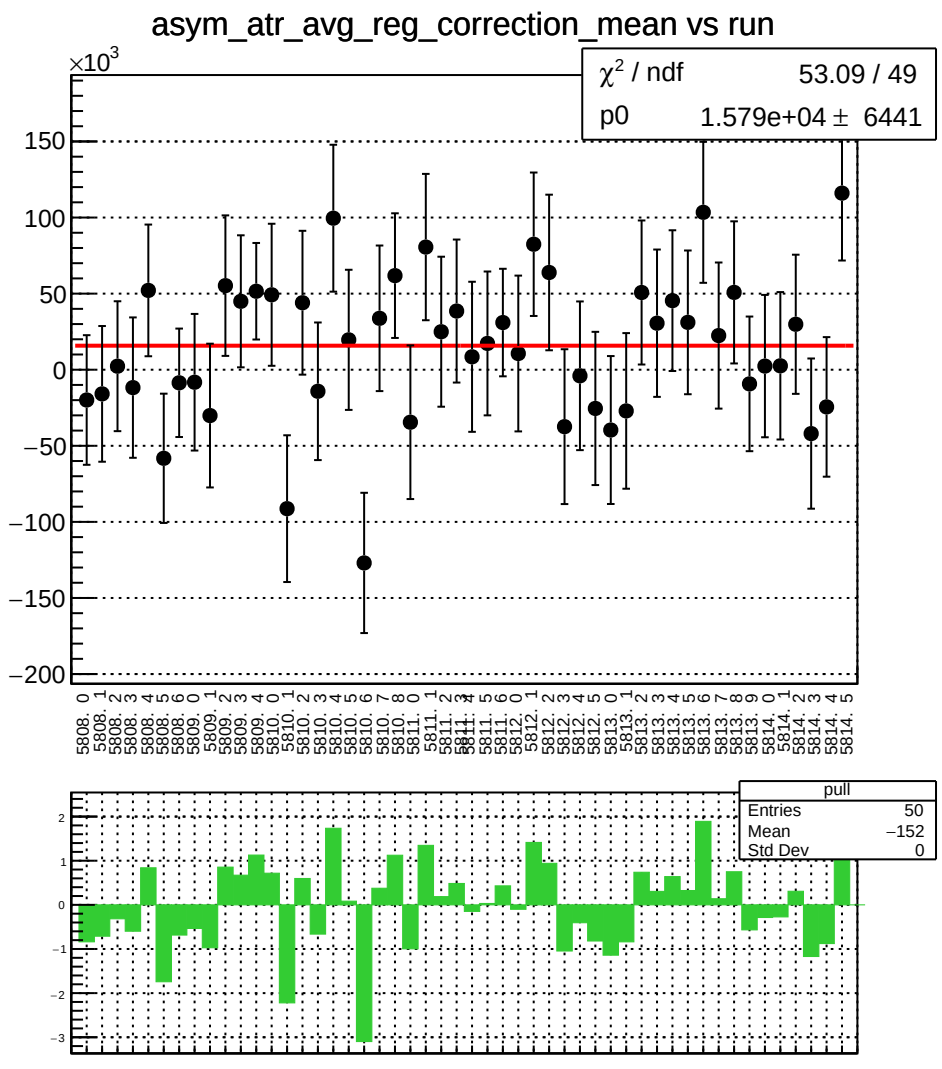

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.08 / 49
p0 −1.675e−13 ± 1.201e−13
pull
Entries 50
Mean 83.41
Std Dev 0
pull1D
Entries 50
Mean −0.02961
Std Dev 0.9903

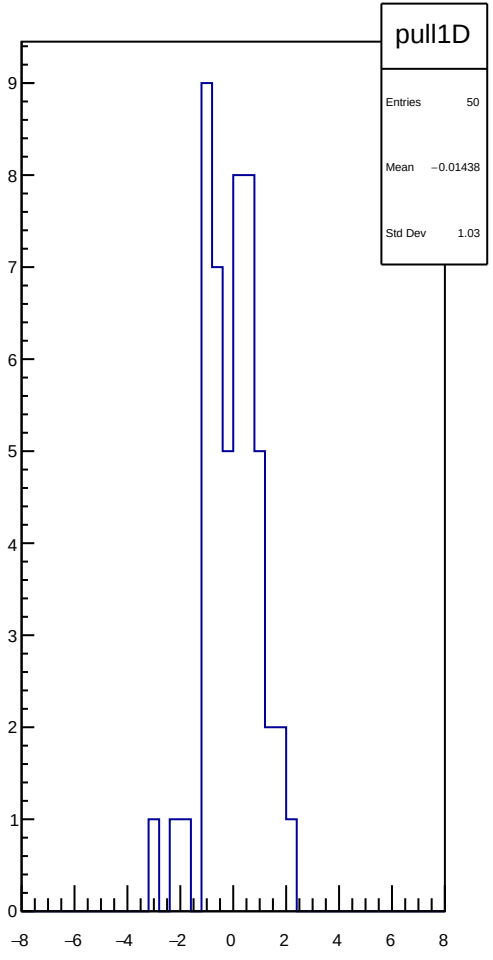

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.837e+05 / 49
p0 6.945e−11 ± 8.495e−14
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

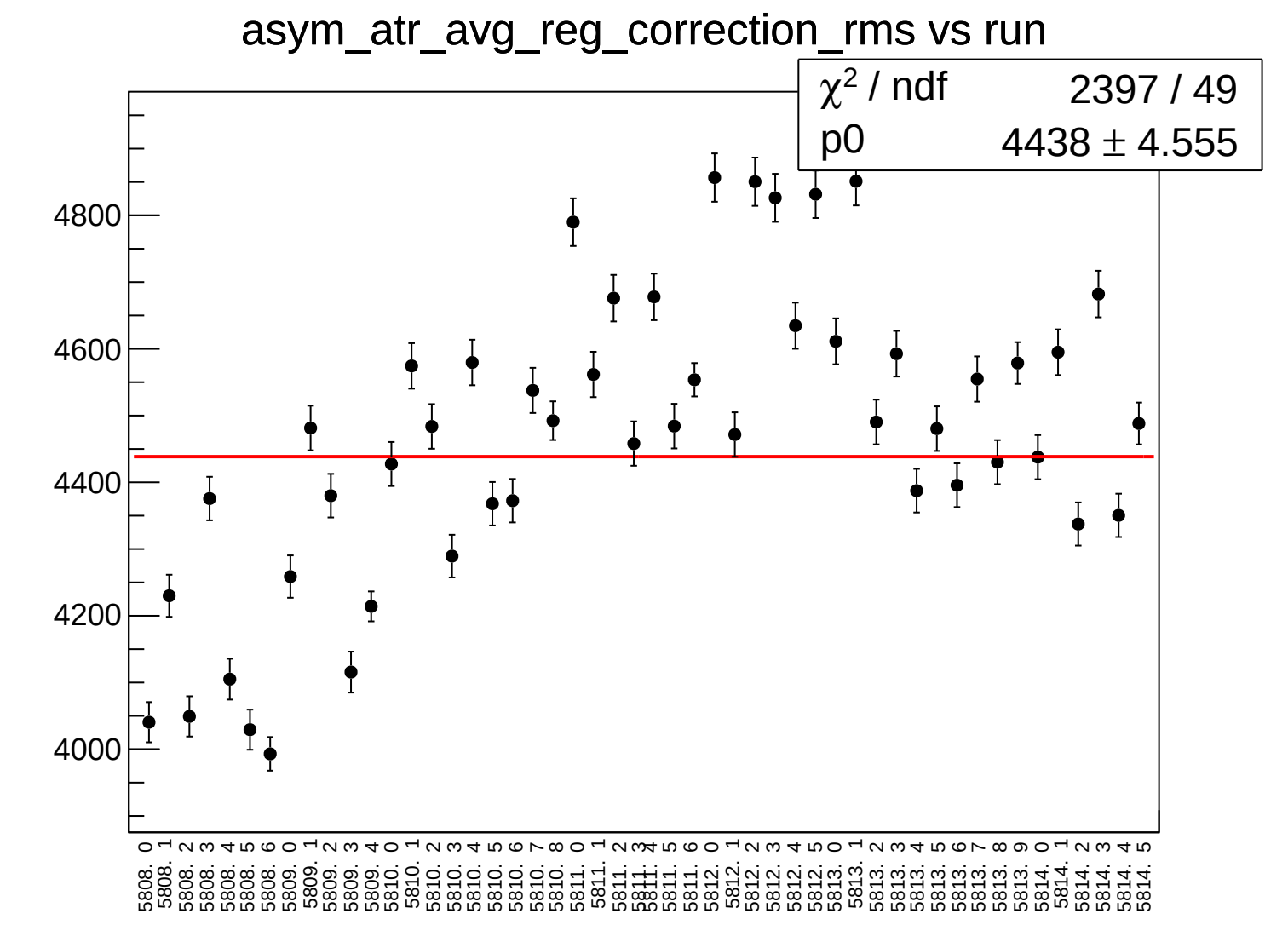

reg_asym_atr_avg_mean vs run
χ² / ndf 46.23 / 49
p0 397 ± 2738
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −8035
Std Dev 0
2
1
0
−1
−2

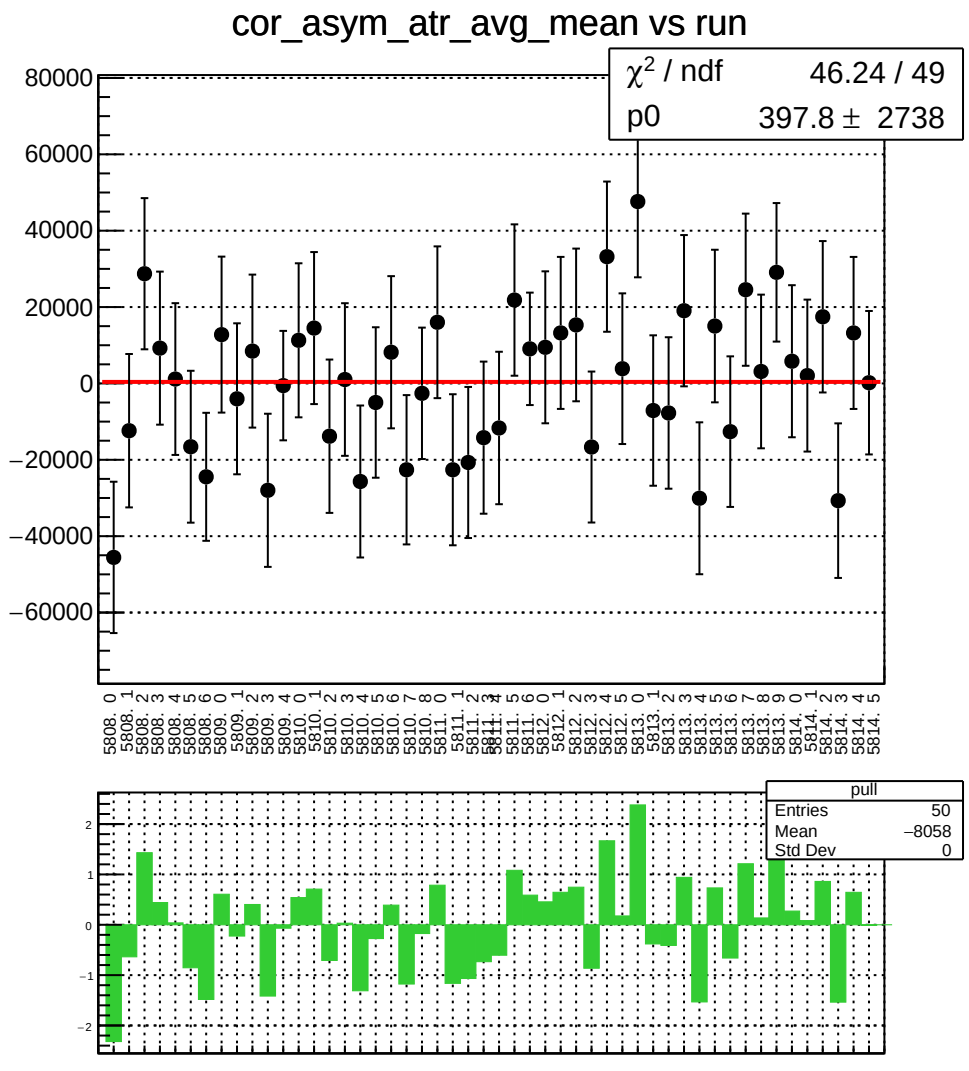

pull1D
Entries 50
Mean −0.000438
Std Dev 0.9616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

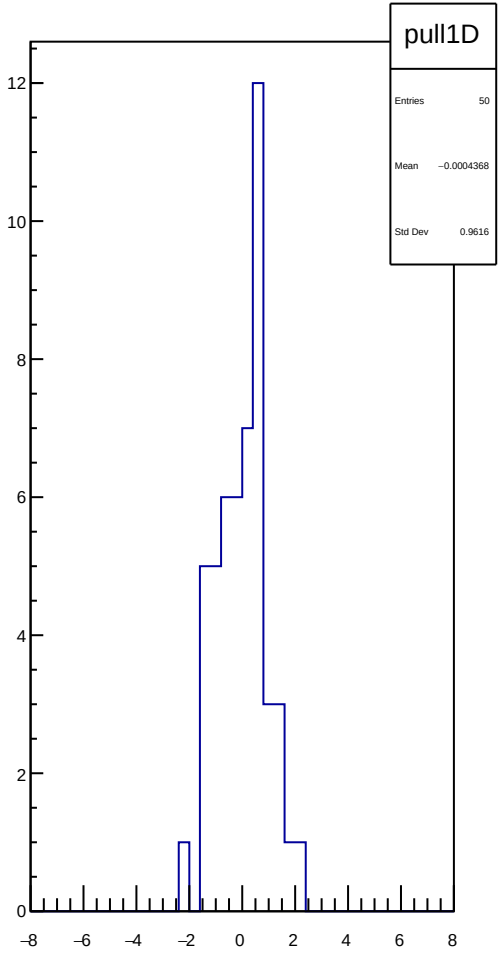

reg_asym_atr_avg_rms vs run
χ² / ndf 53.9 / 49
p0 1889 ± 1.936
1960
1940
1920
1900
1880
1860
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

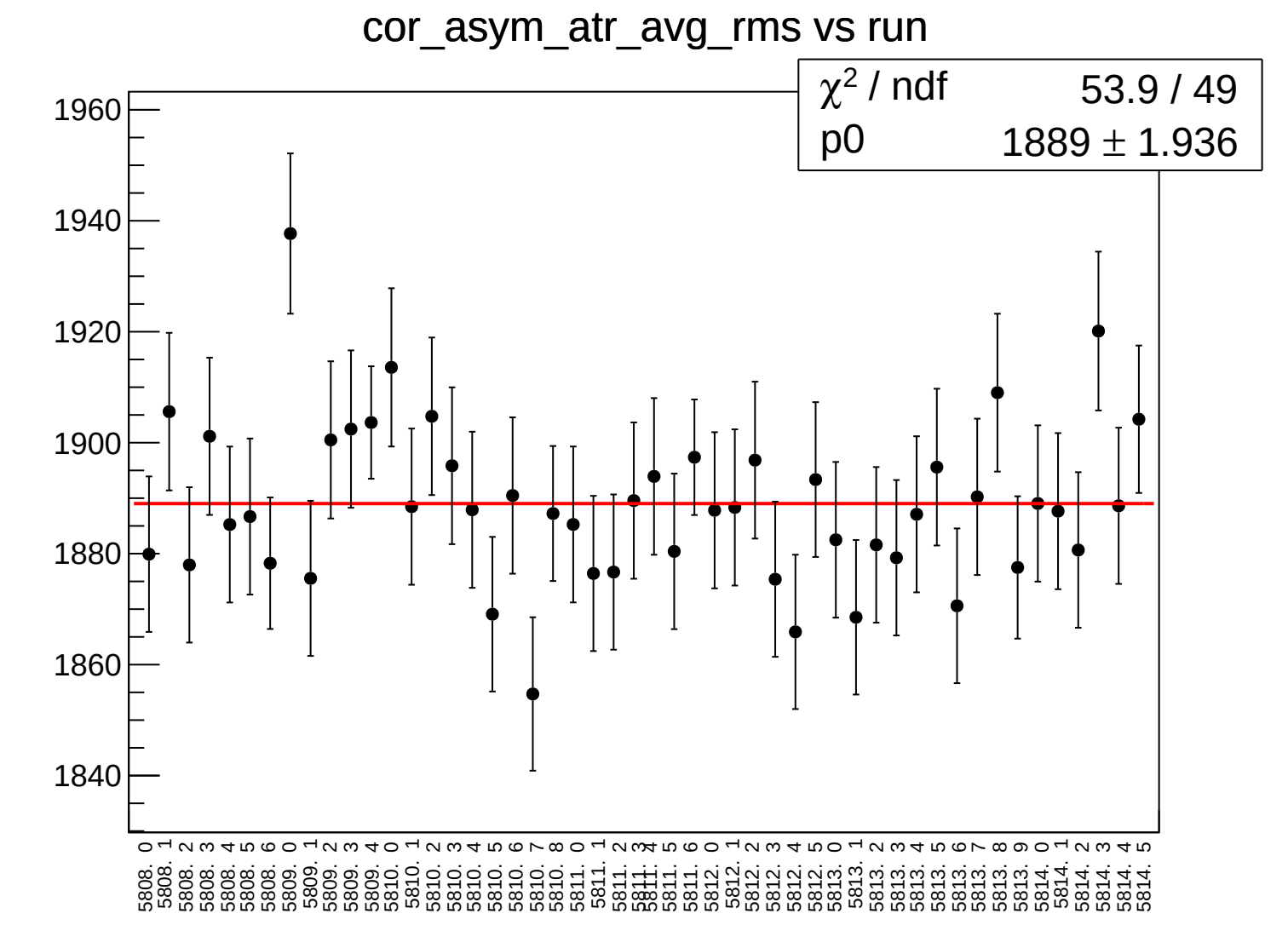

asym_atr_avg_reg_correction_mean vs run
×10^3
χ² / ndf 53.09 / 49
p0 1.579e+04 ± 6441
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −152
Std Dev 0
2
1
0
−1
−2
−3

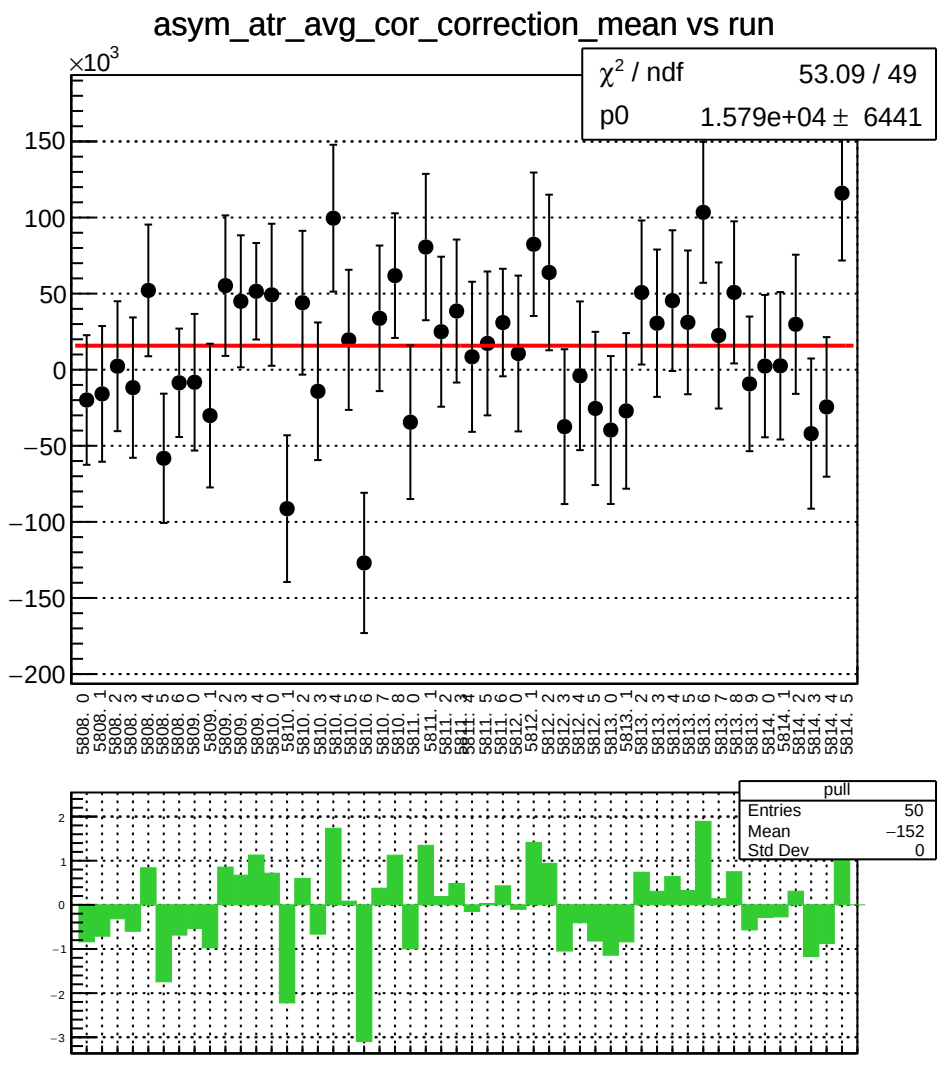

pull1D
Entries 50
Mean −0.01438
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

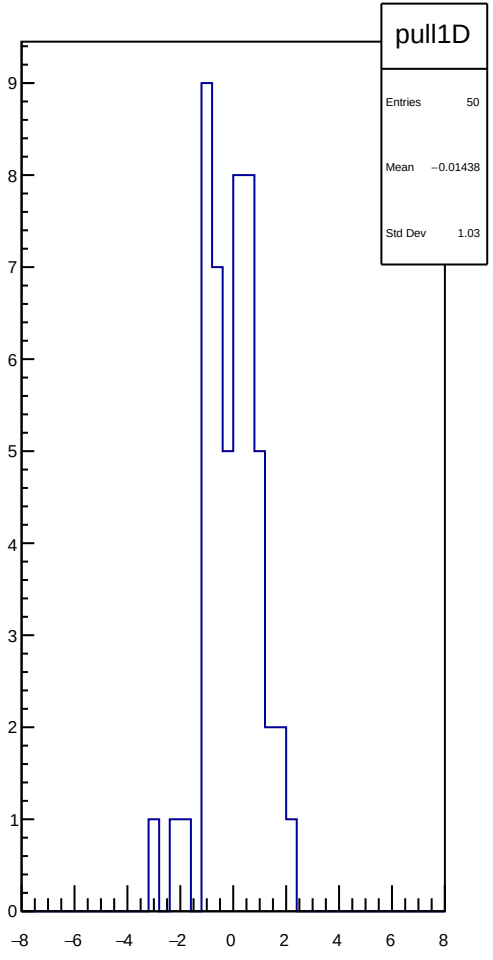

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 2397 / 49
p0 4438 ± 4.555
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

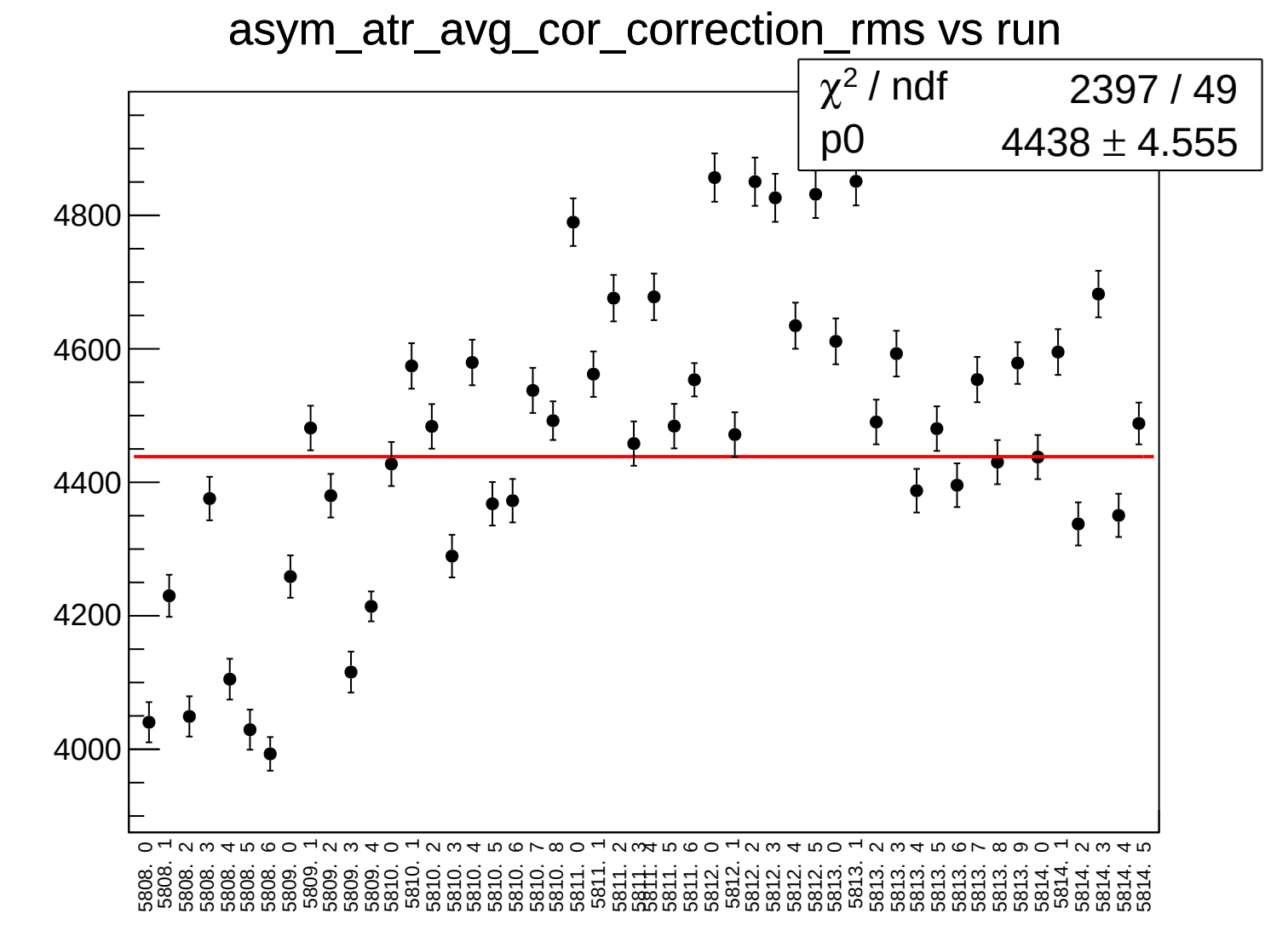

cor_asym_atr_avg_mean vs run
χ² / ndf 46.24 / 49
p0 397.8 ± 2738
80000
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −8058
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.0004368
Std Dev 0.9616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_avg_rms vs run
χ² / ndf 53.9 / 49
p0 1889 ± 1.936
1960
1940
1920
1900
1880
1860
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 53.09 / 49
p0 1.579e+04 ± 6441
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −152
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01438
Std Dev 1.03
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 2397 / 49
p0 4438 ± 4.555
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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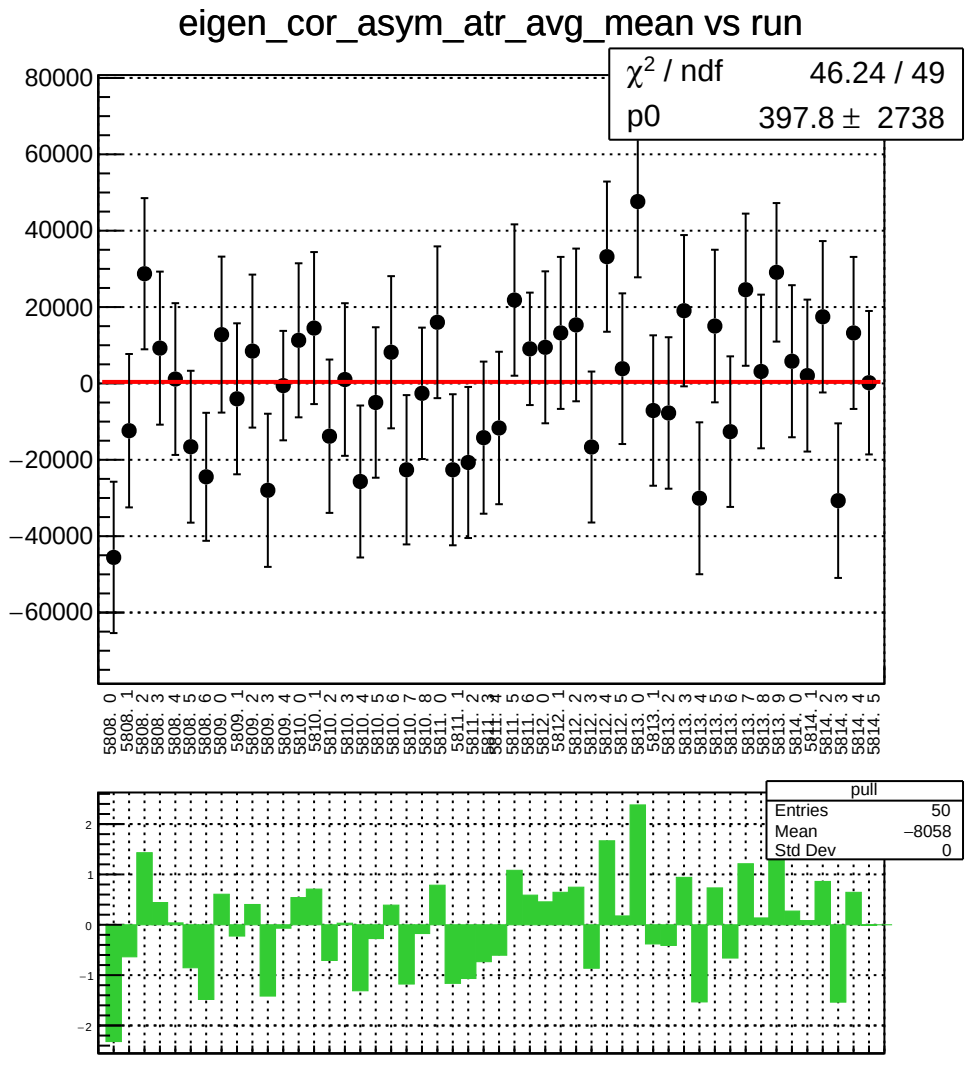
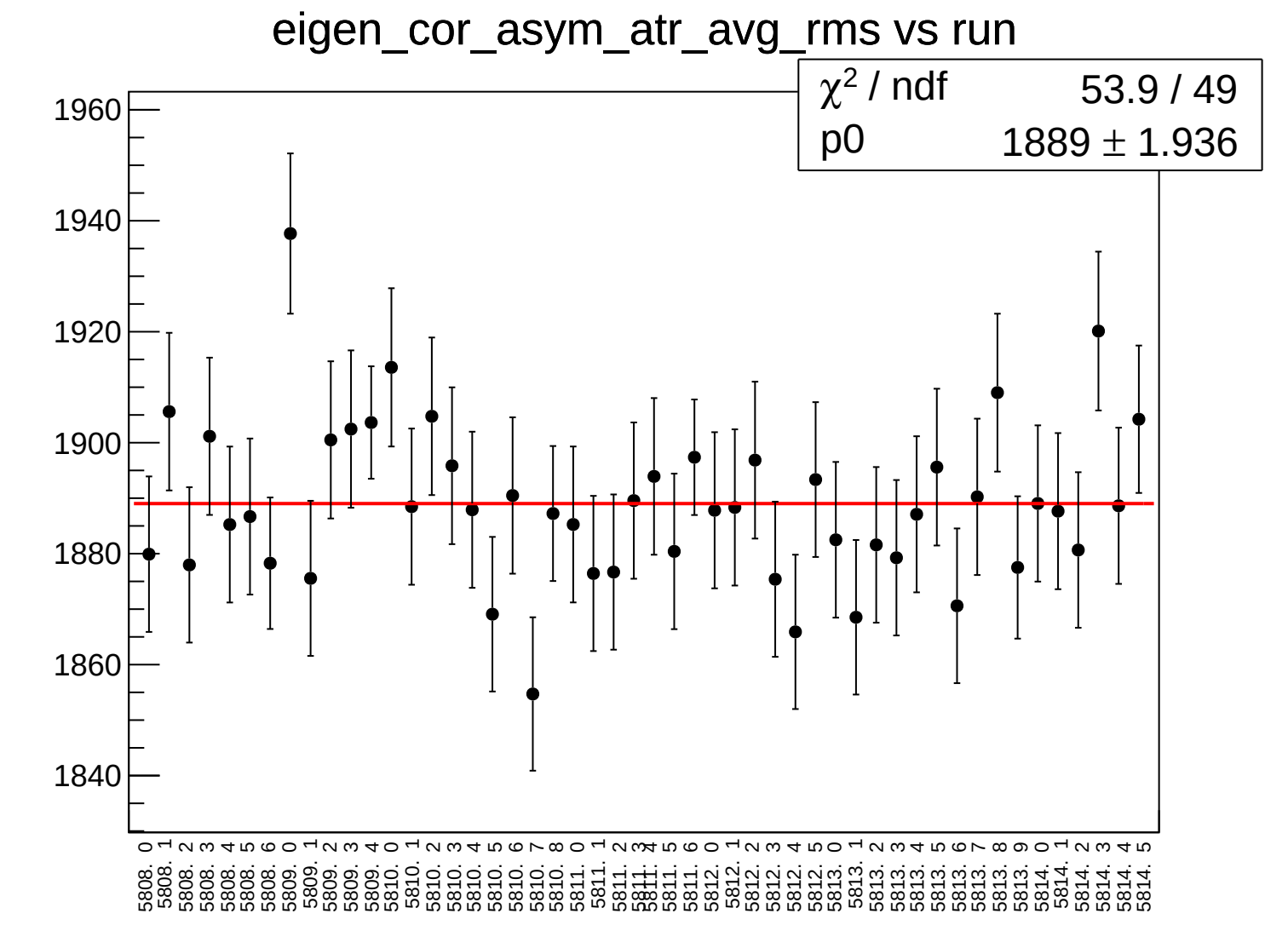
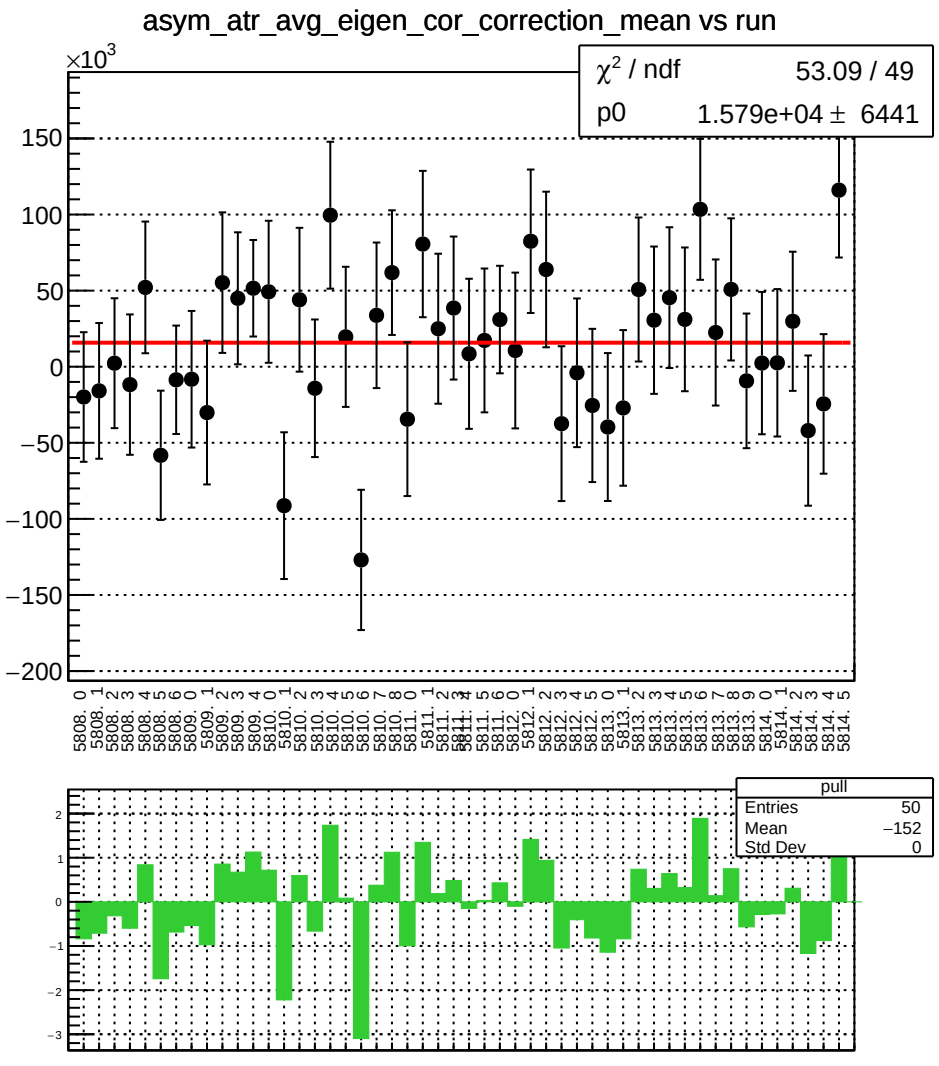
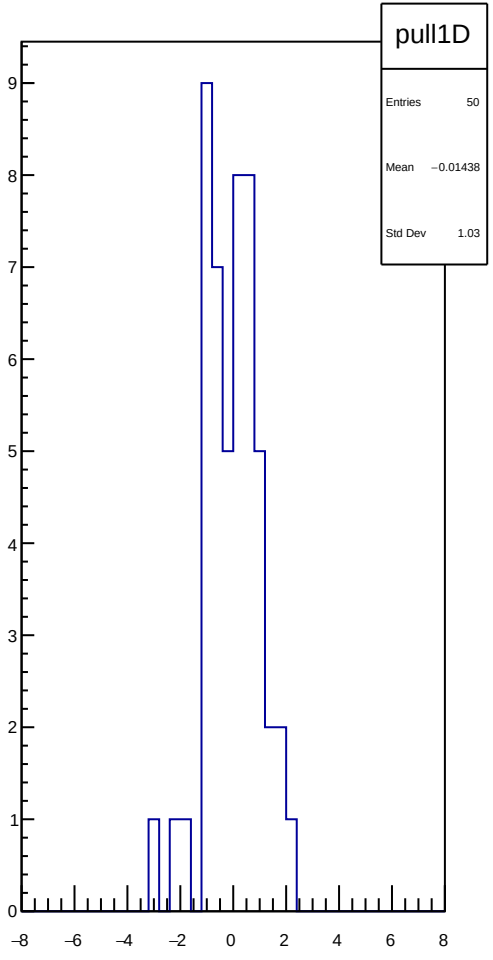
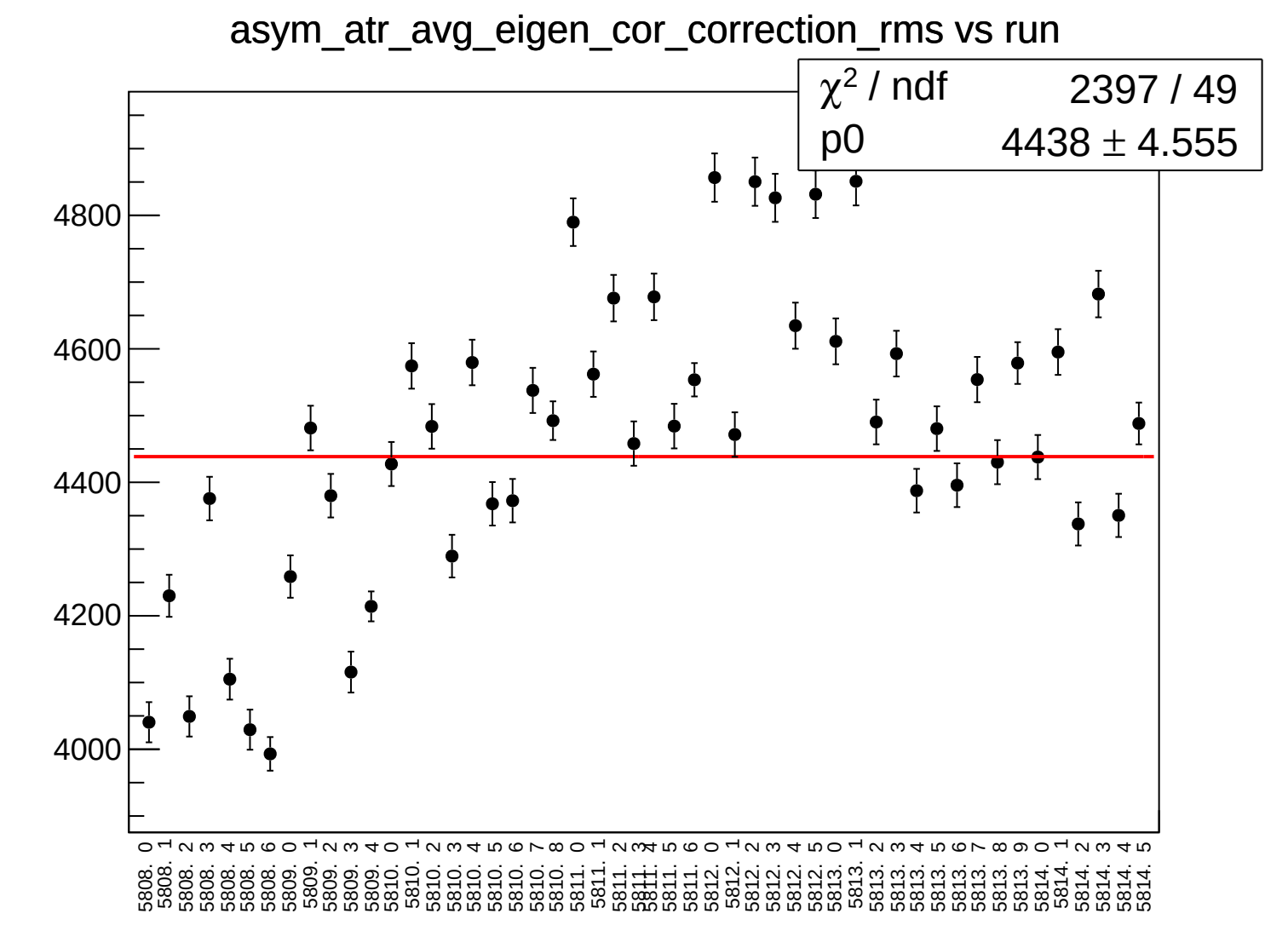
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

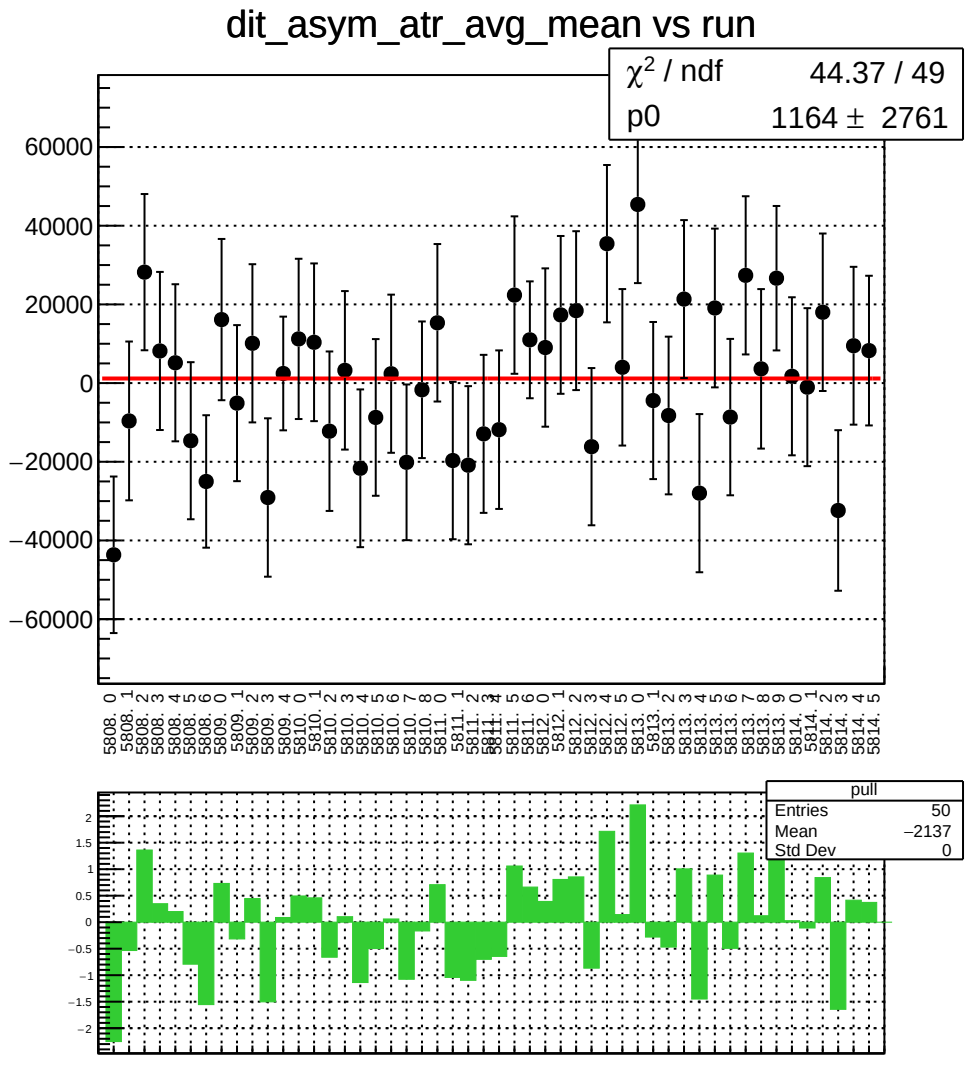

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 46.24 / 49
p0 397.8 ± 2738
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −8058
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0004368
Std Dev 0.9616
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

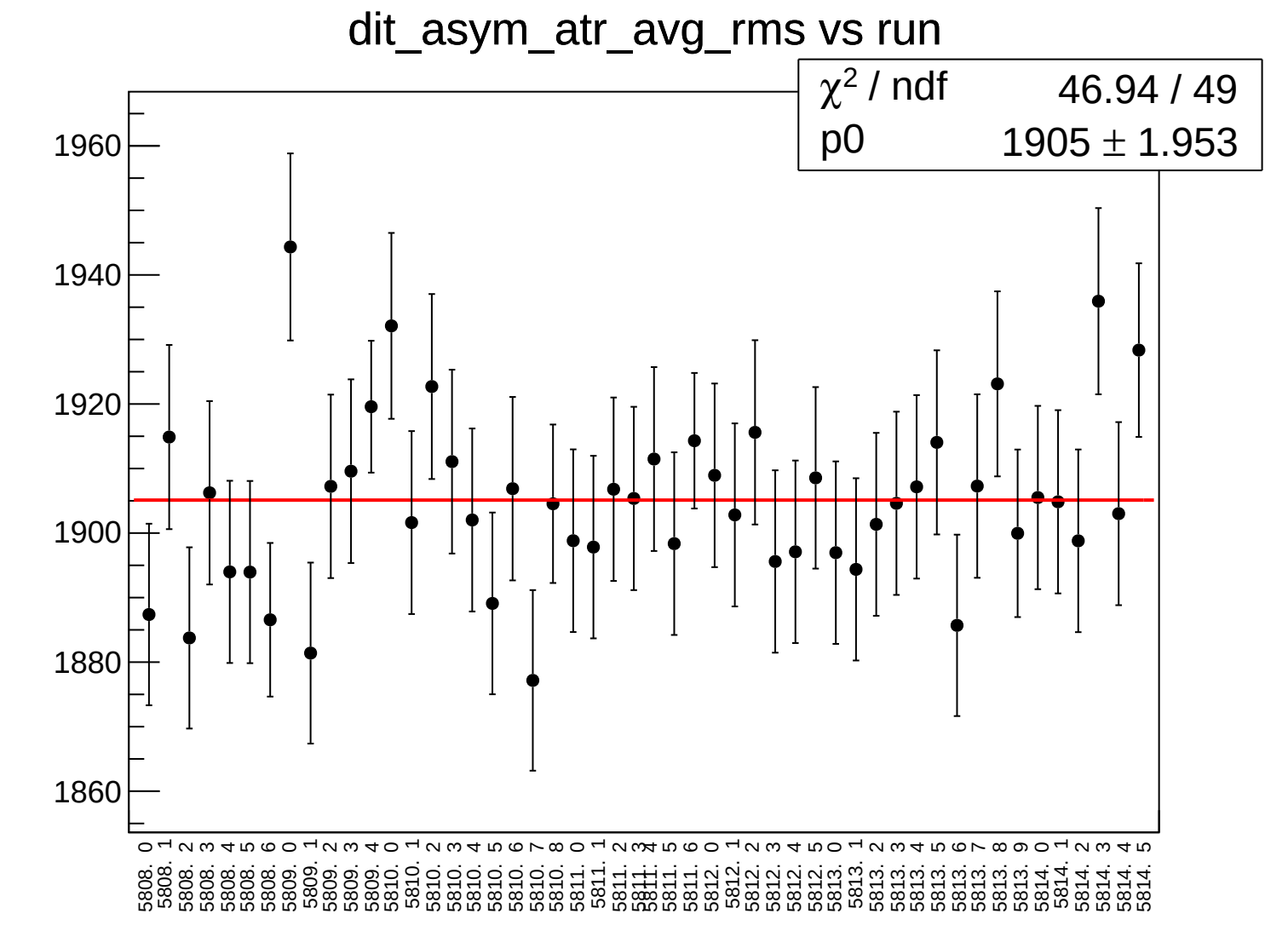

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 53.9 / 49
p0 1889 ± 1.936
1960
1940
1920
1900
1880
1860
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

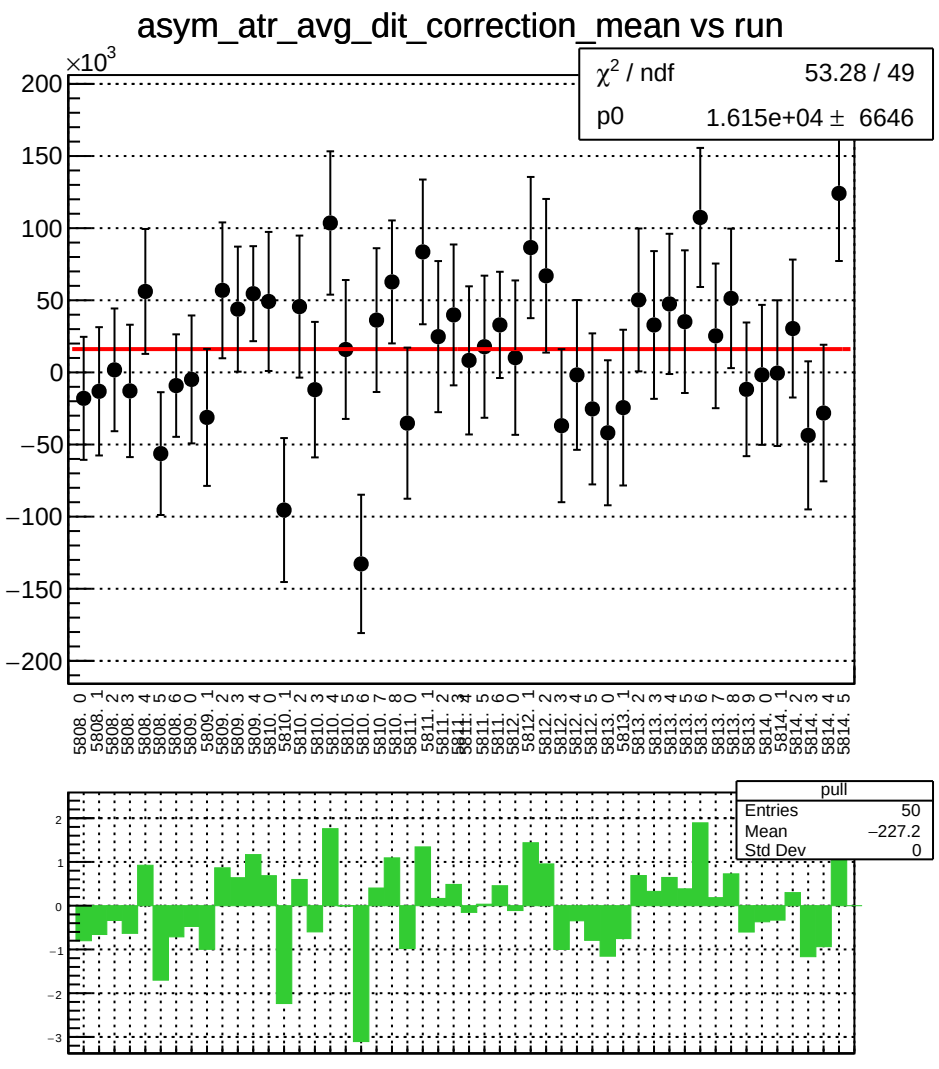

asym_atr_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.09 / 49
p0 1.579e+04 ± 6441
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −152
Std Dev 0
2
1
0
−1
−2
−3

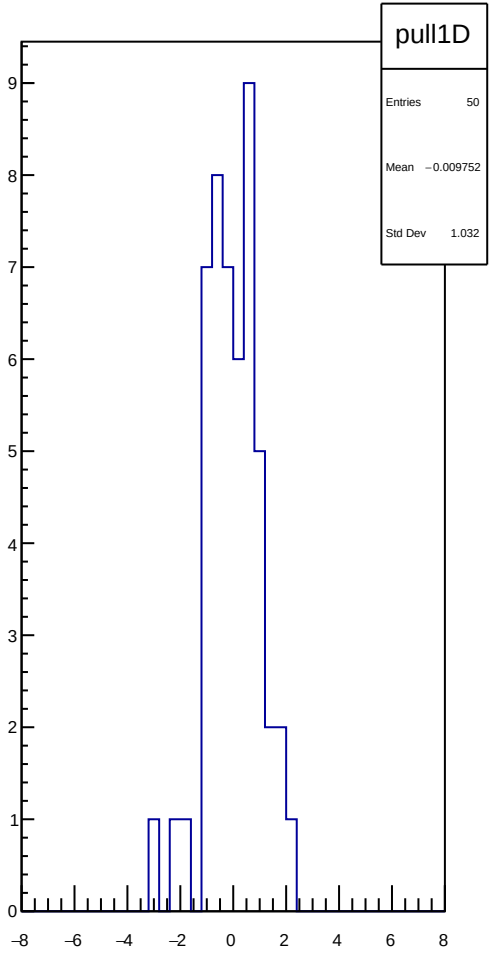

pull1D
Entries 50
Mean −0.01438
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

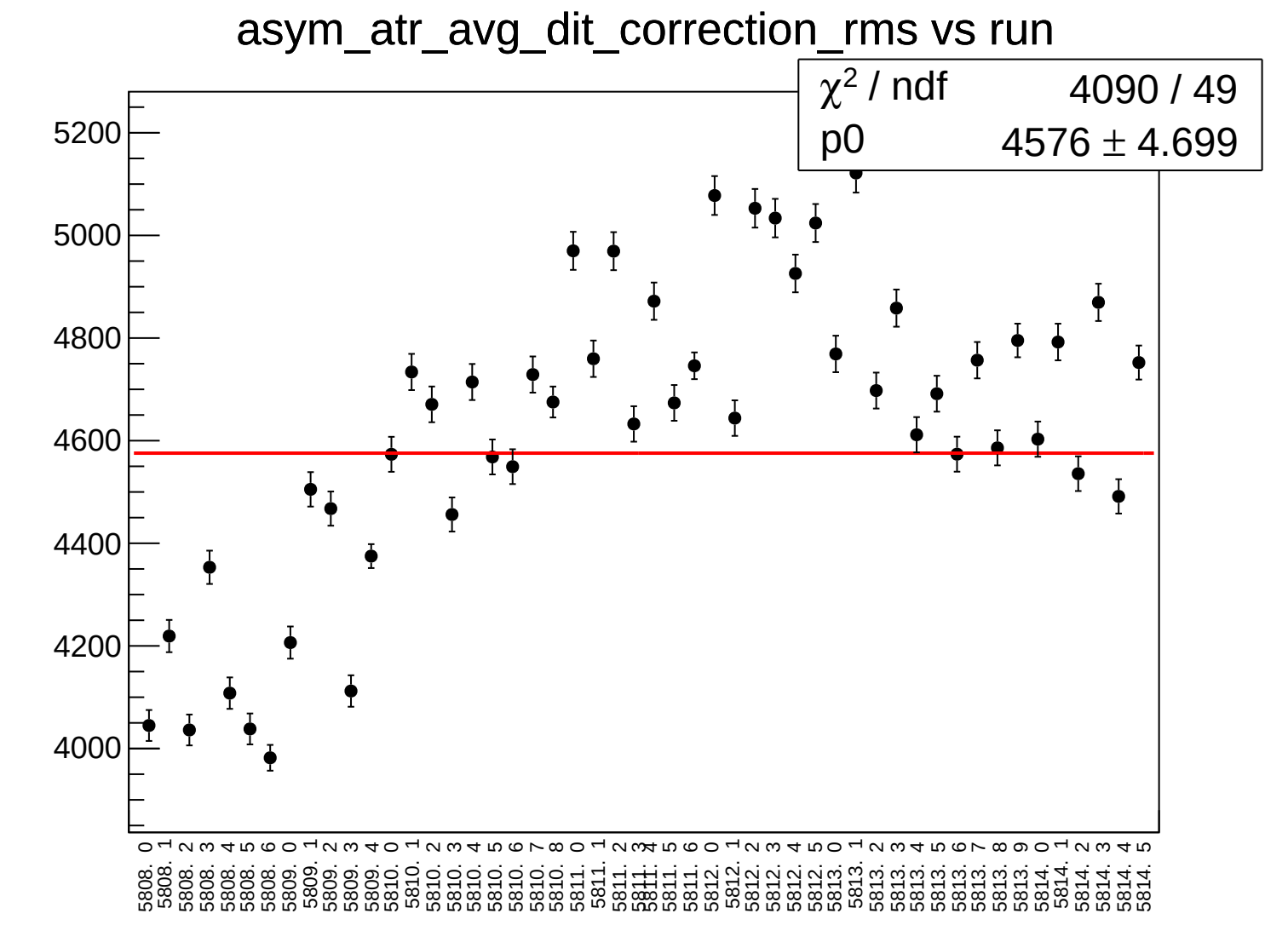

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 2397 / 49
p0 4438 ± 4.555
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

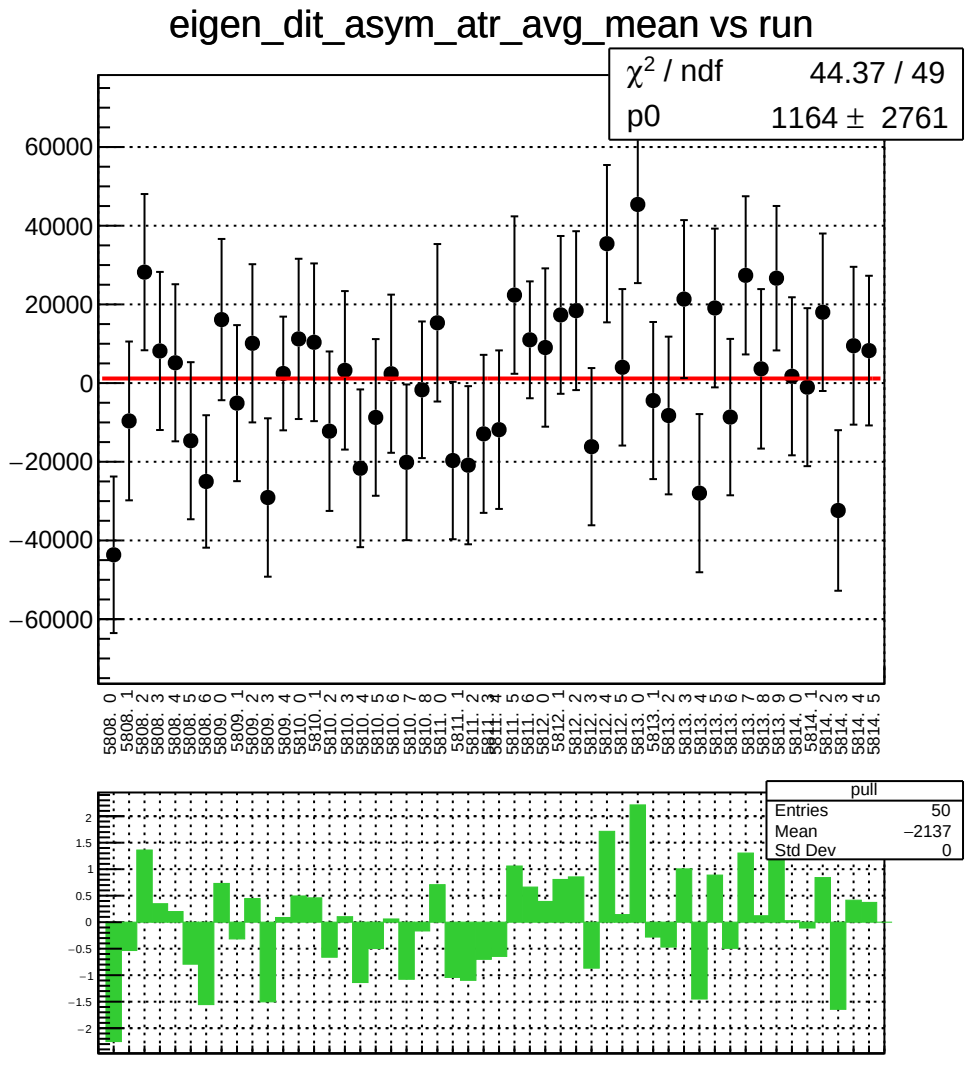

dit_asym_atr_avg_mean vs run
χ² / ndf 44.37 / 49
p0 1164 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2137
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.001588
Std Dev 0.942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

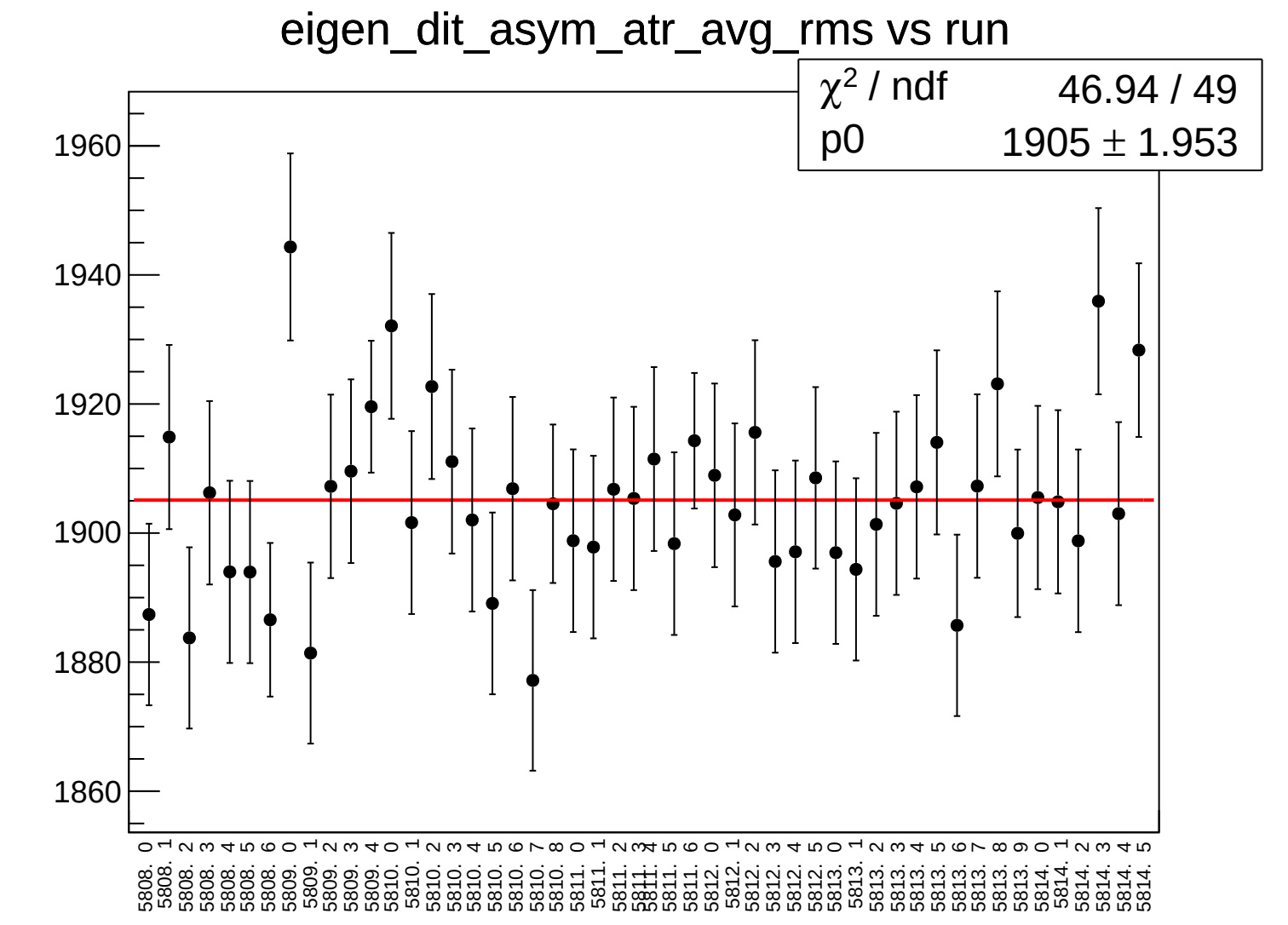

dit_asym_atr_avg_rms vs run
χ² / ndf 46.94 / 49
p0 1905 ± 1.953
1960
1940
1920
1900
1880
1860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

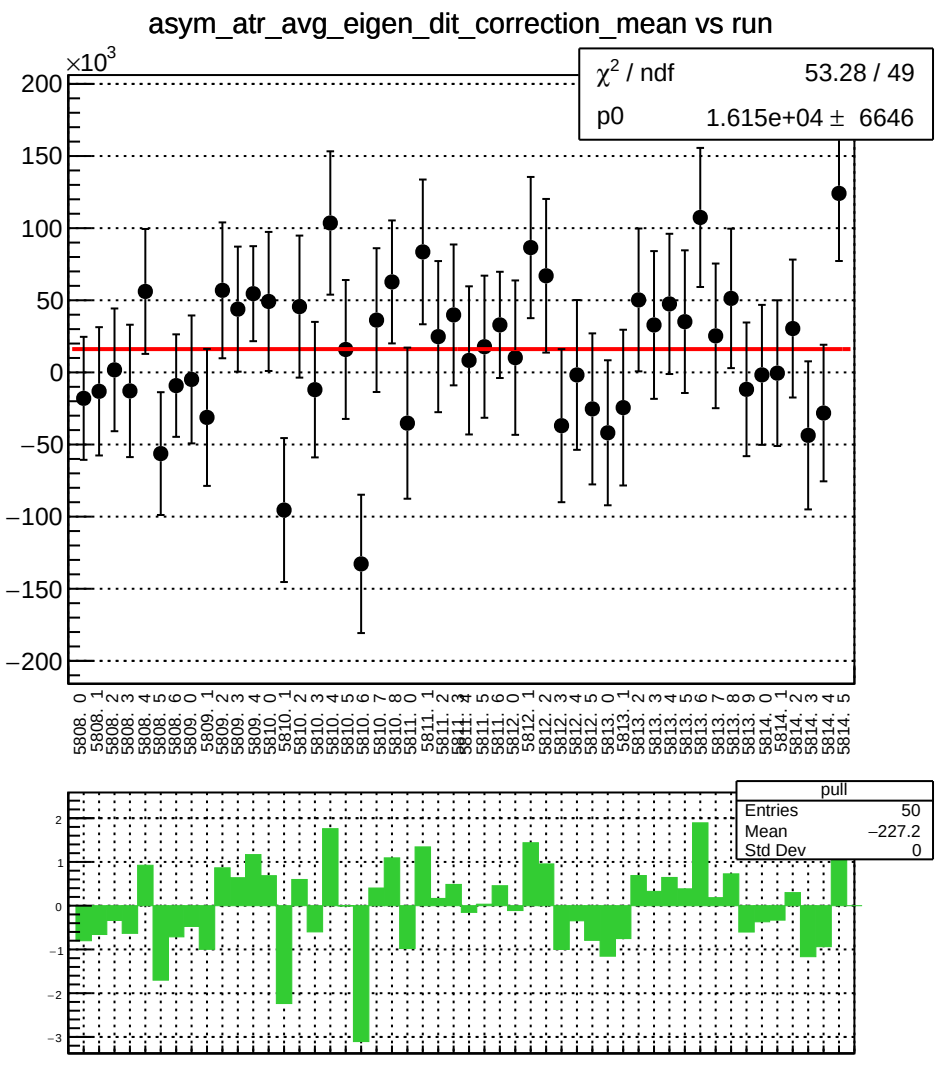

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 53.28 / 49
p0 1.615e+04 ± 6646
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −227.2
Std Dev 0
2
1
0
−1
−2
−3

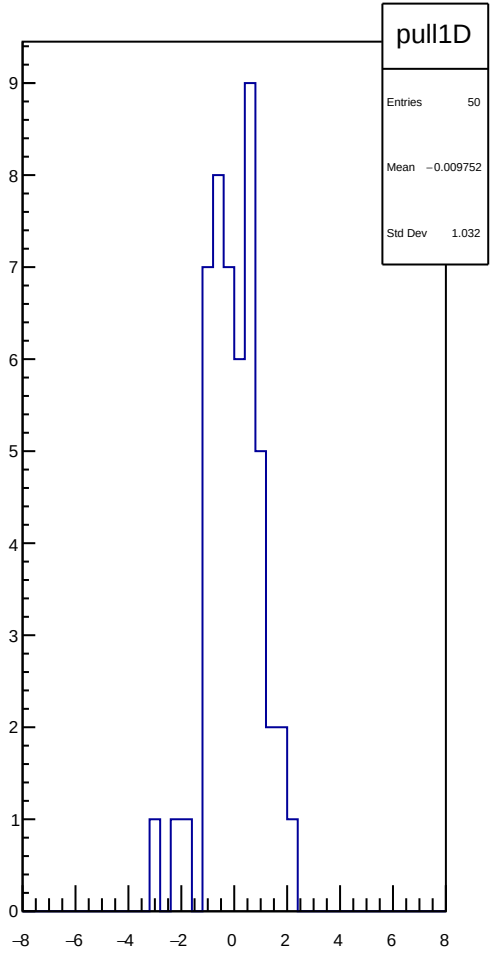

pull1D
Entries 50
Mean −0.009752
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

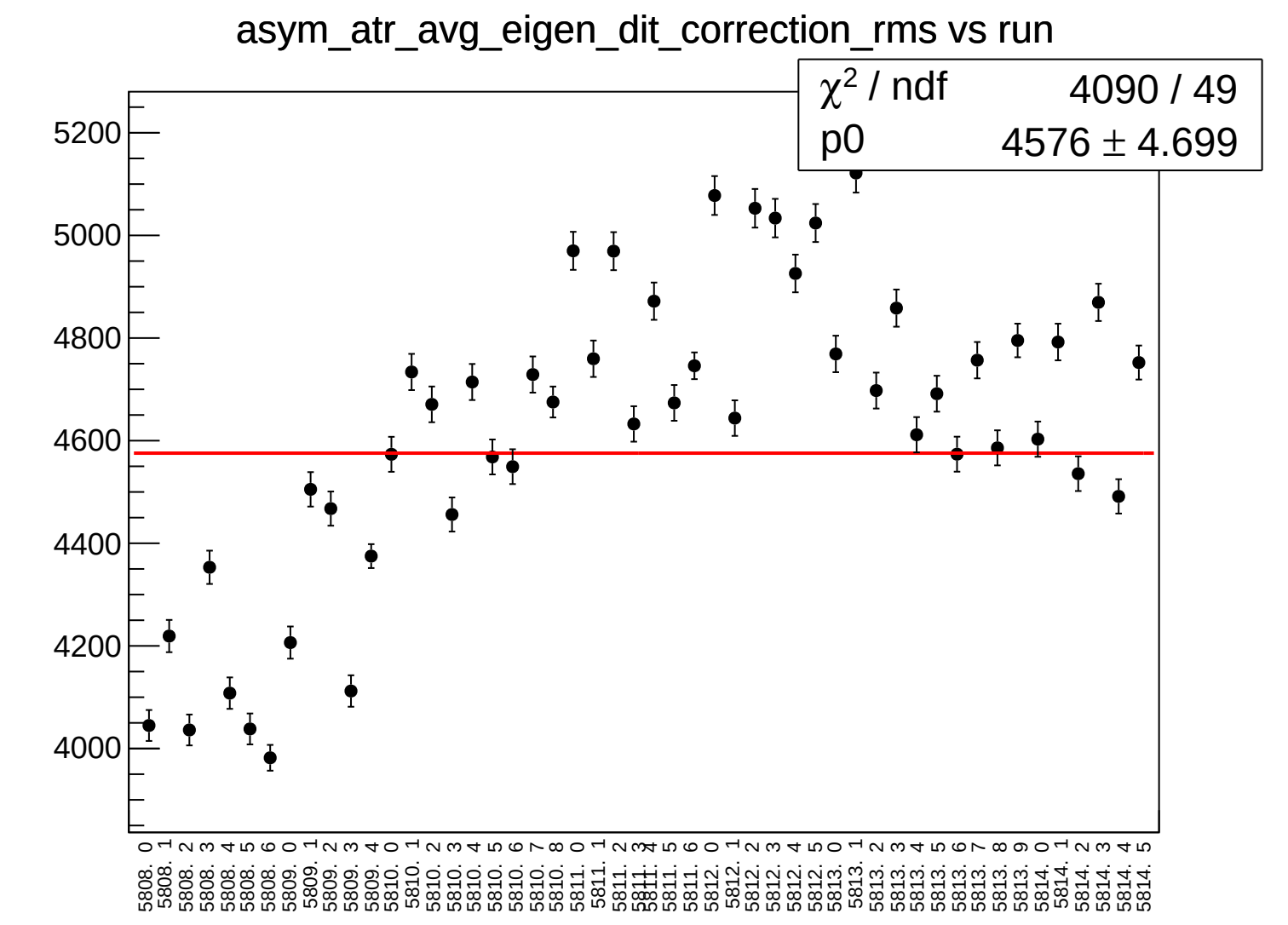

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 4090 / 49
p0 4576 ± 4.699
5200
5000
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

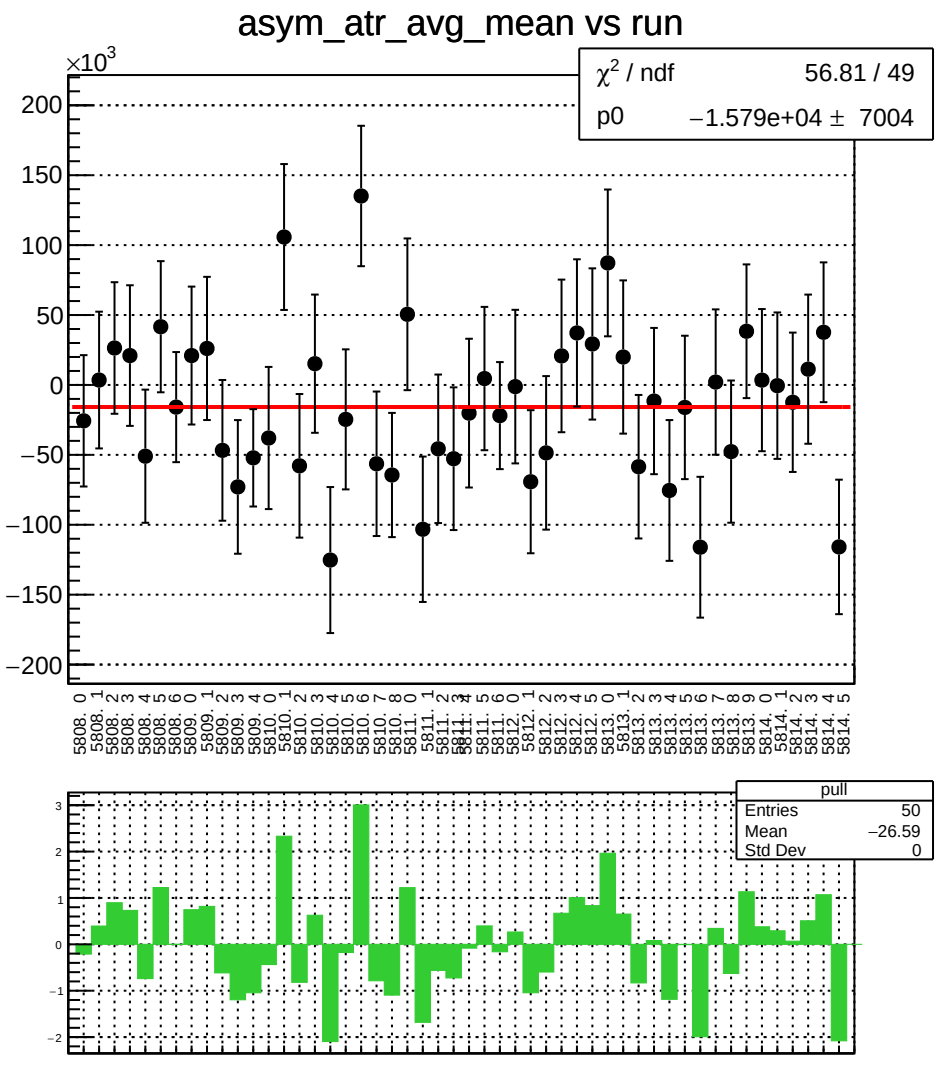

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 44.37 / 49
p0 1164 ± 2761
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2137
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.001588
Std Dev 0.942
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

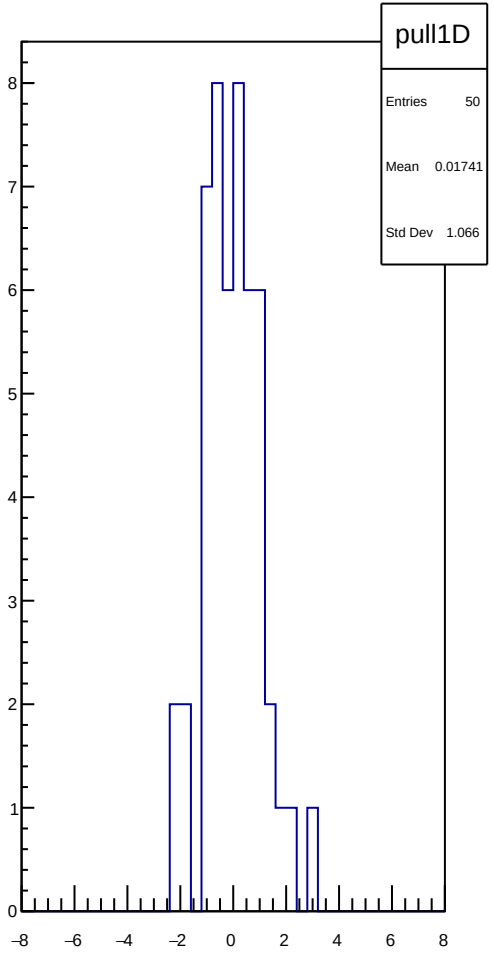

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 46.94 / 49
p0 1905 ± 1.953
1960
1940
1920
1900
1880
1860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

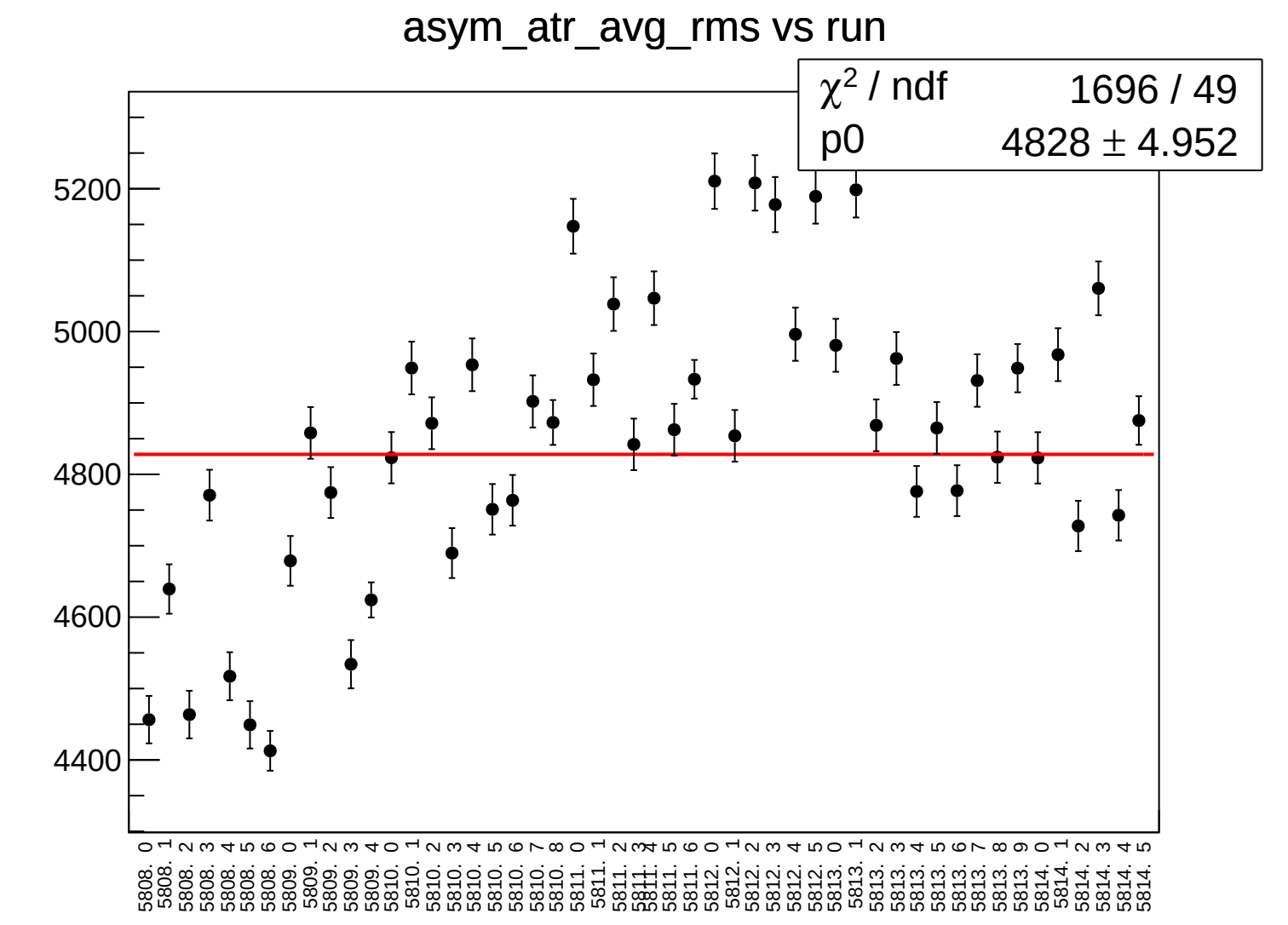

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.28 / 49
p0 1.615e+04 ± 6646
pull
Entries 50
Mean −227.2
Std Dev 0

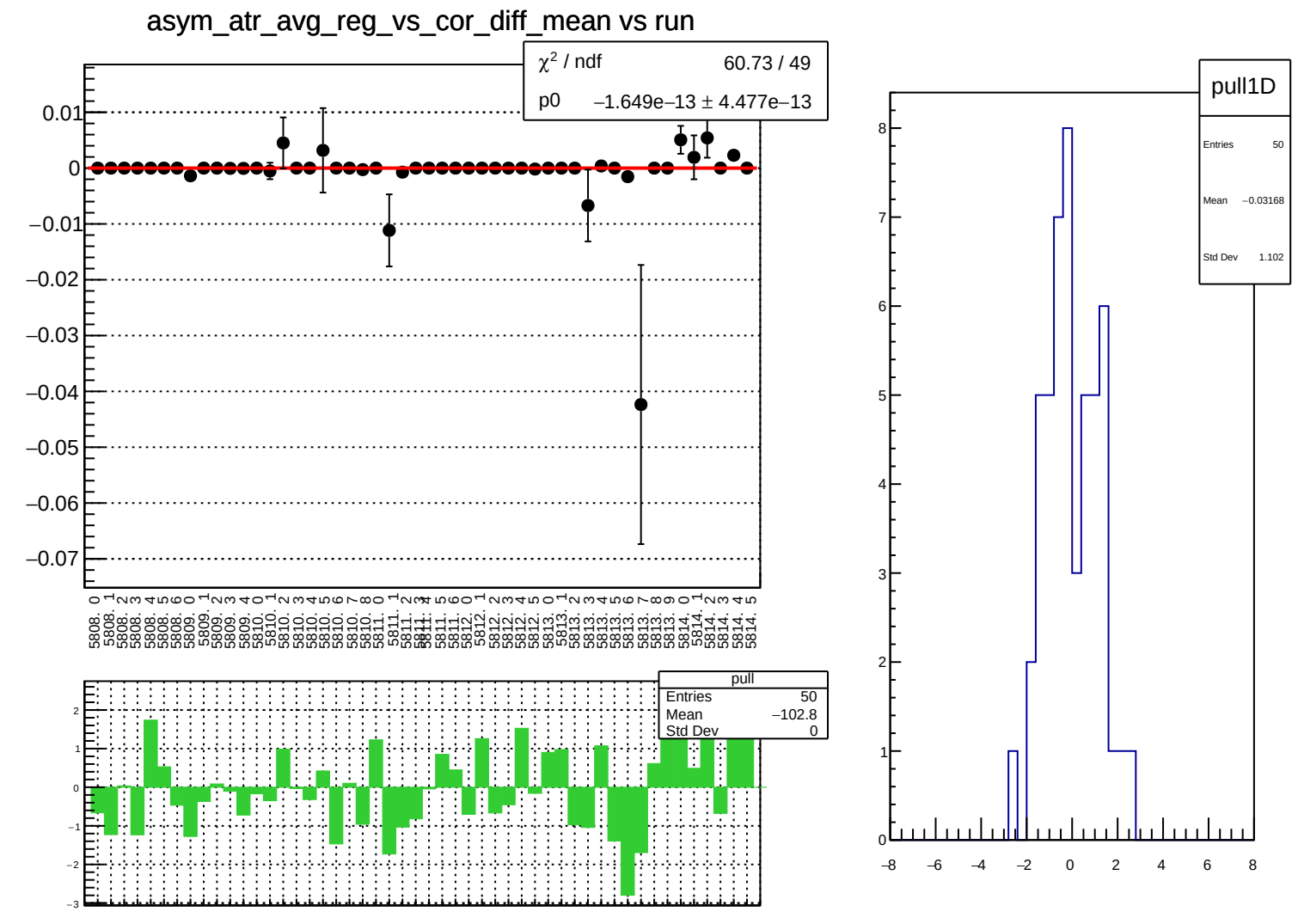

pull1D
Entries 50
Mean −0.009752
Std Dev 1.032

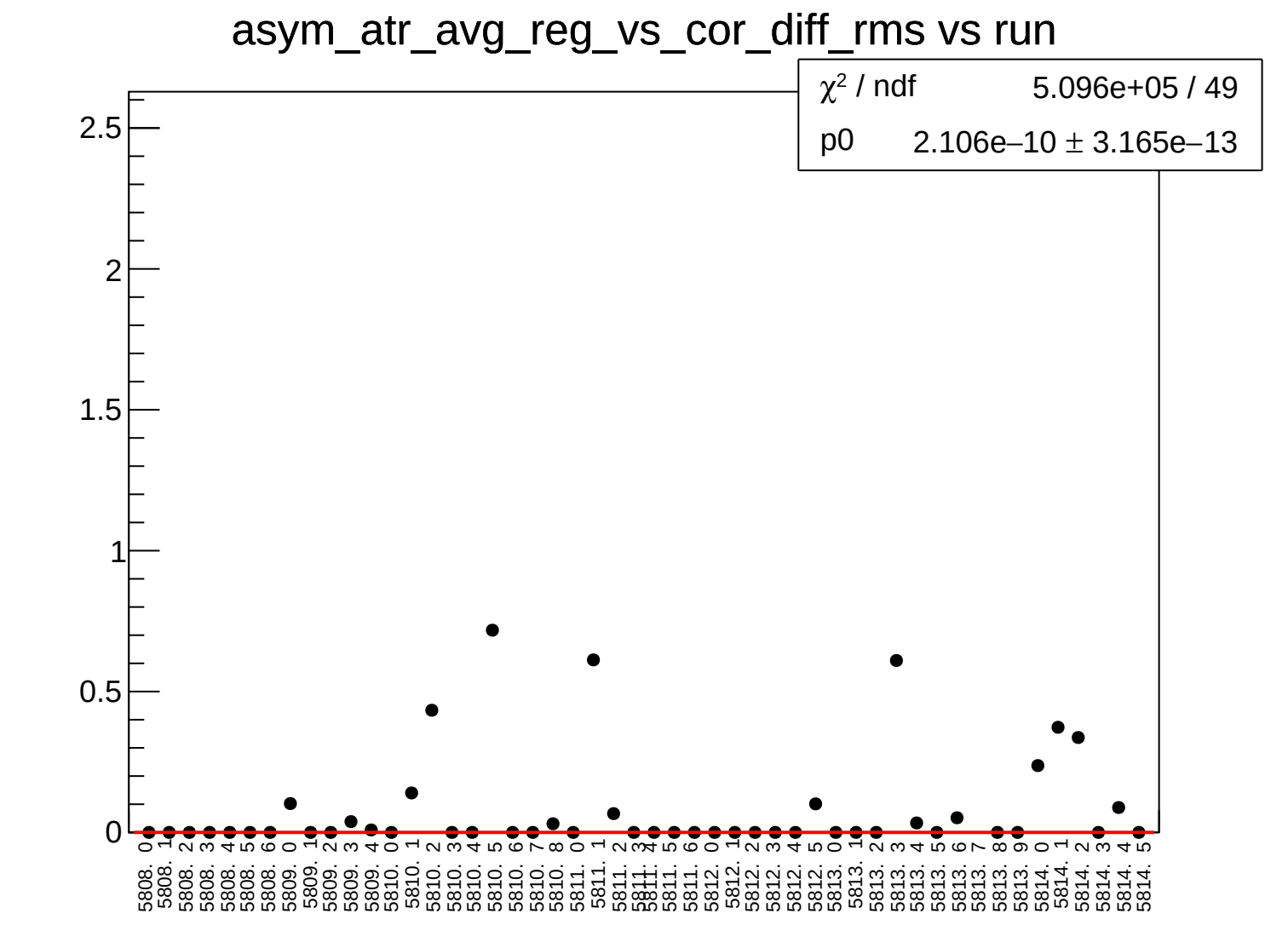

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 4090 / 49
p0 4576 ± 4.699
5200
5000
4800
4600
4400
4200
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

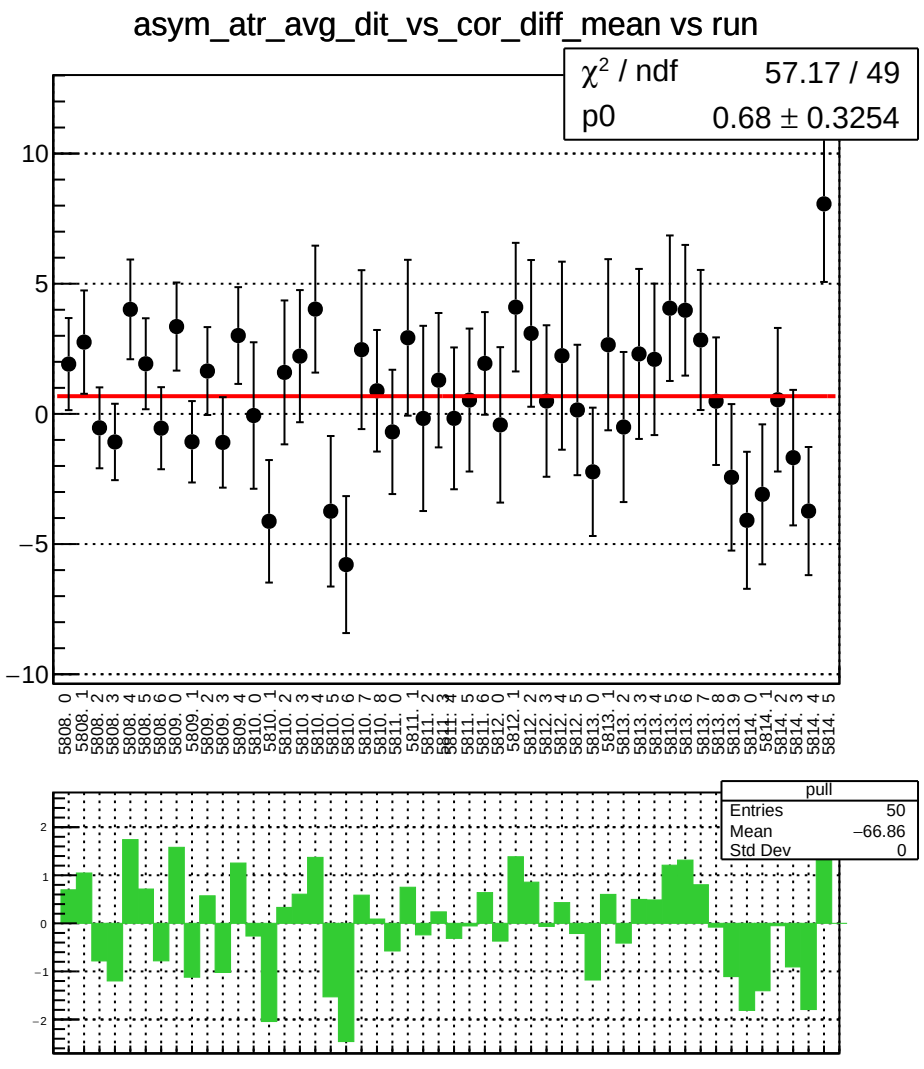

asym_atr_avg_mean vs run
×10^3
χ² / ndf 56.81 / 49
p0 −1.579e+04 ± 7004
pull
Entries 50
Mean −26.59
Std Dev 0

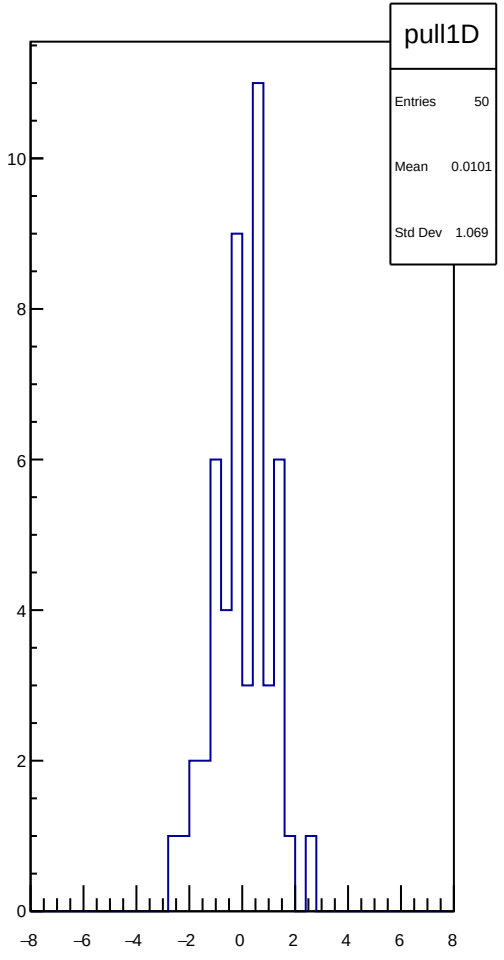

pull1D
Entries 50
Mean 0.01741
Std Dev 1.066

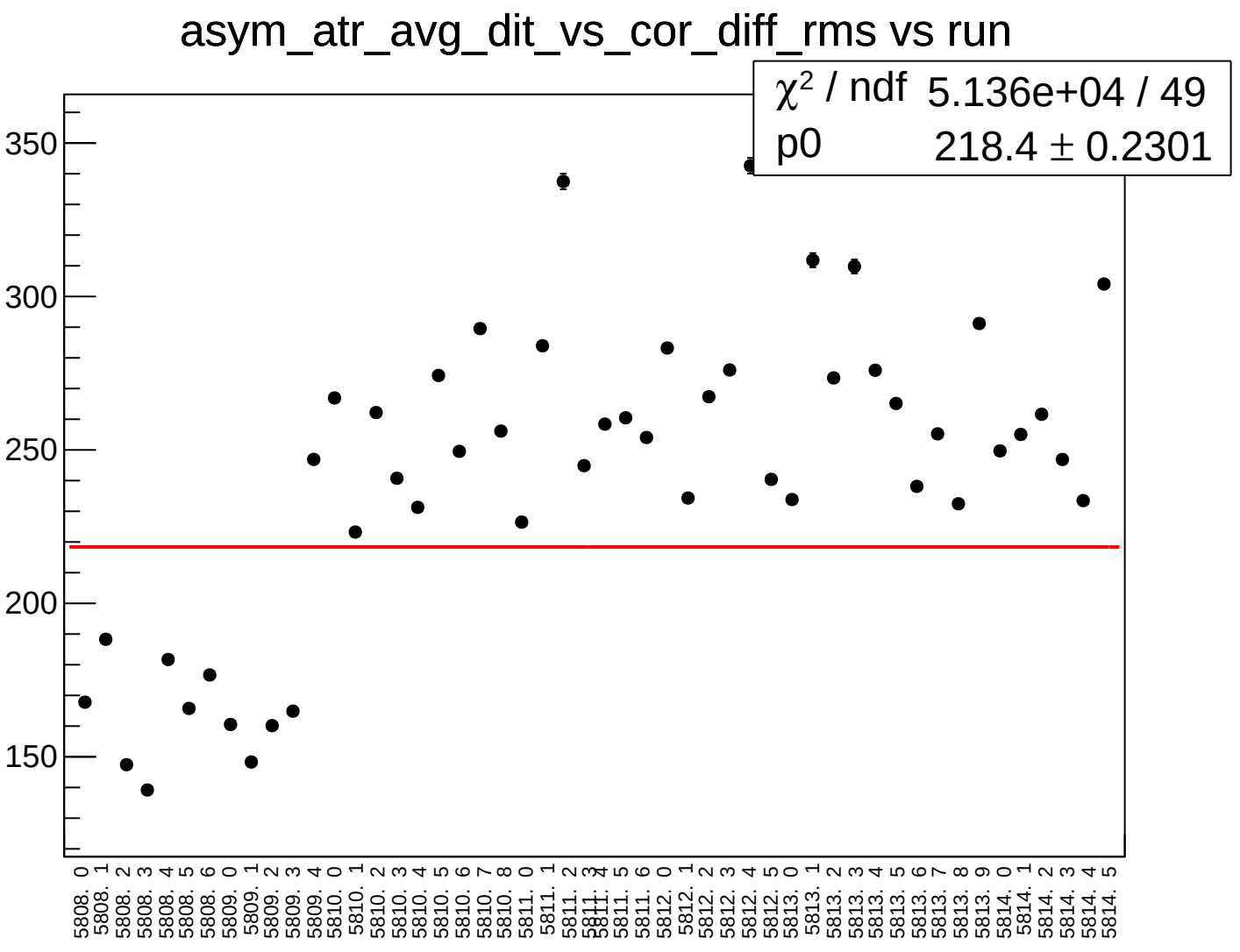

asym_atr_avg_rms vs run
χ² / ndf 1696 / 49
p0 4828 ± 4.952
5200
5000
4800
4600
4400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

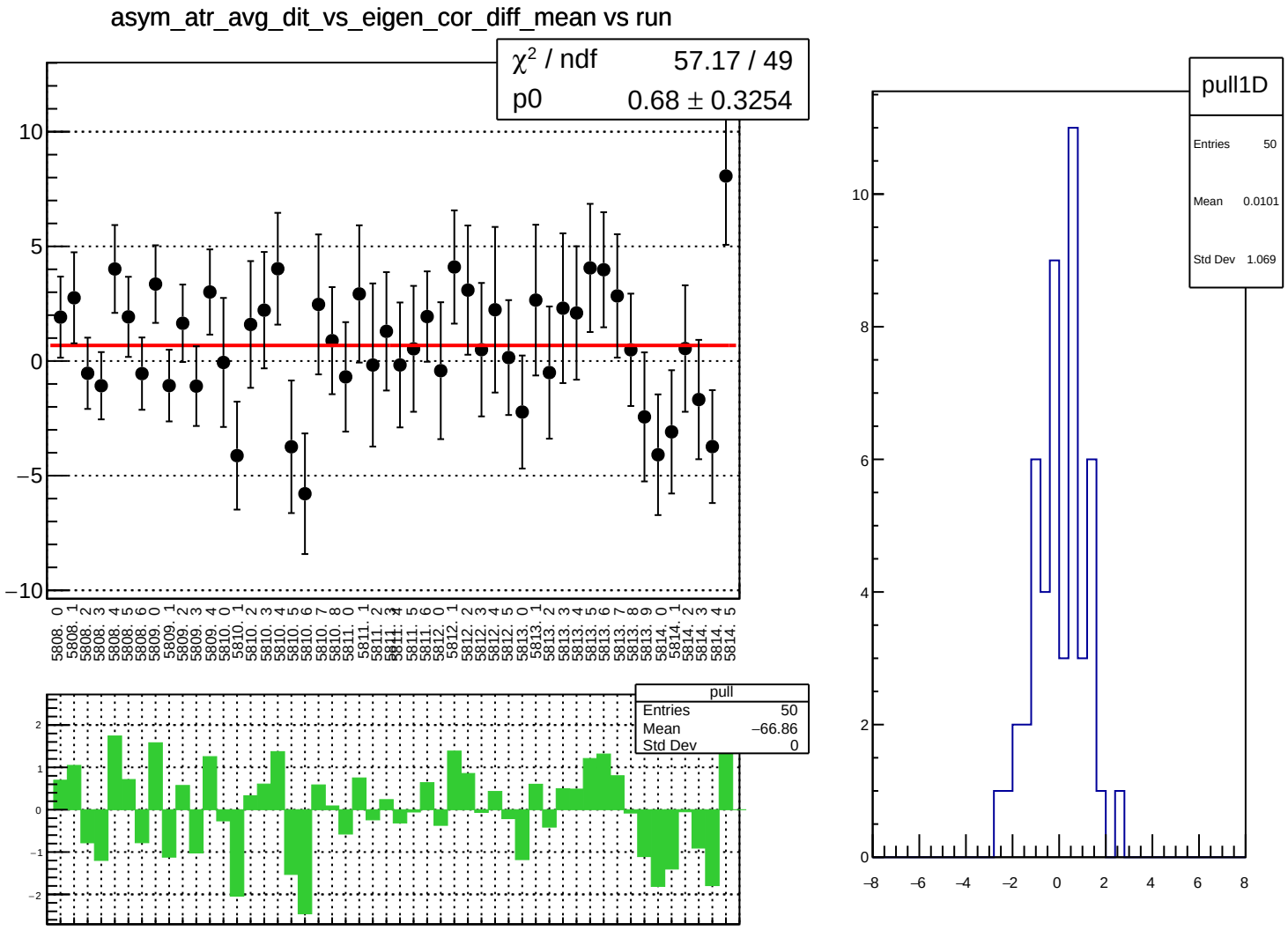

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.73 / 49
p0 −1.649e−13 ± 4.477e−13
pull
Entries 50
Mean −102.8
Std Dev 0
pull1D
Entries 50
Mean −0.03168
Std Dev 1.102

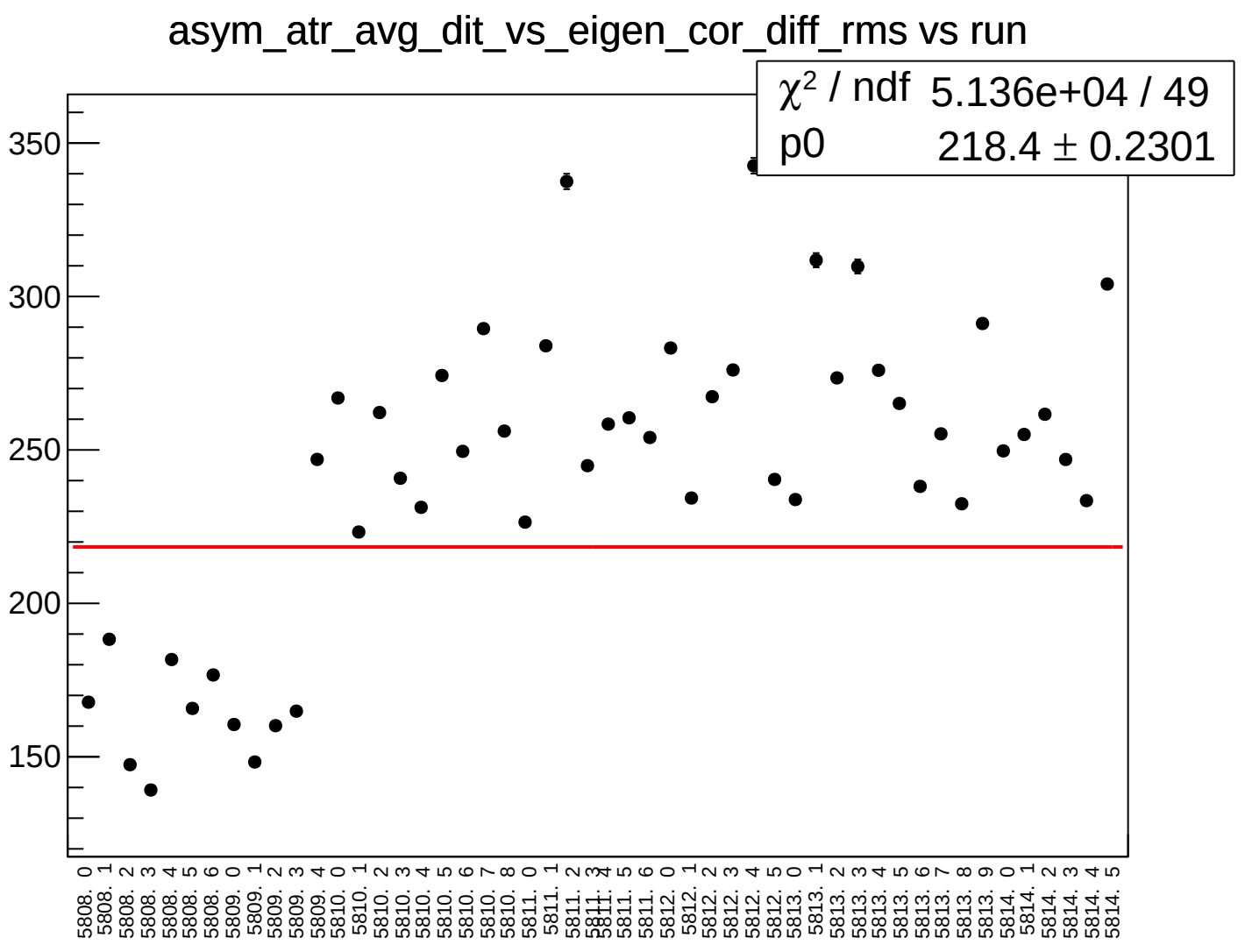

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.096e+05 / 49
p0 2.106e−10 ± 3.165e−13
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

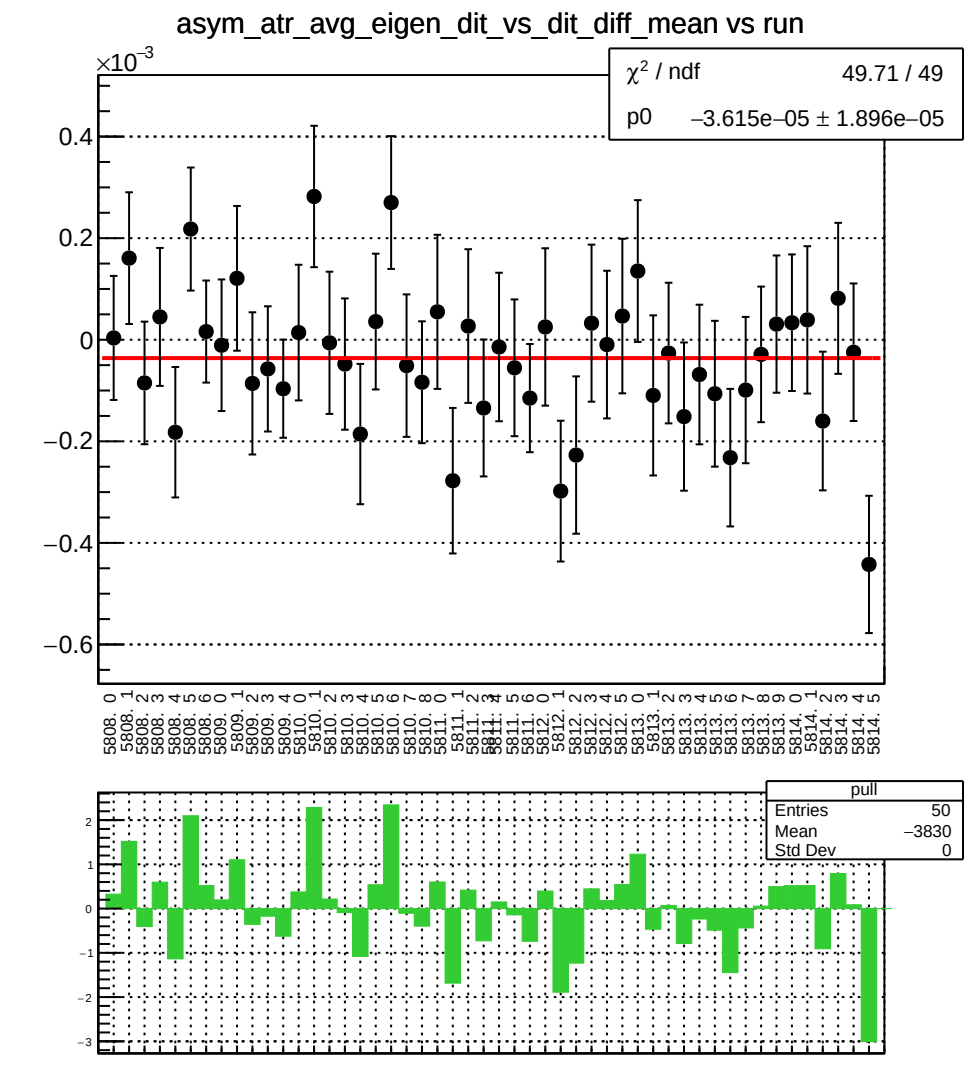

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.17 / 49
p0 0.68 ± 0.3254
10
5
0
−5
−10
pull
Entries 50
Mean −66.86
Std Dev 0
2
1
0
−1
−2

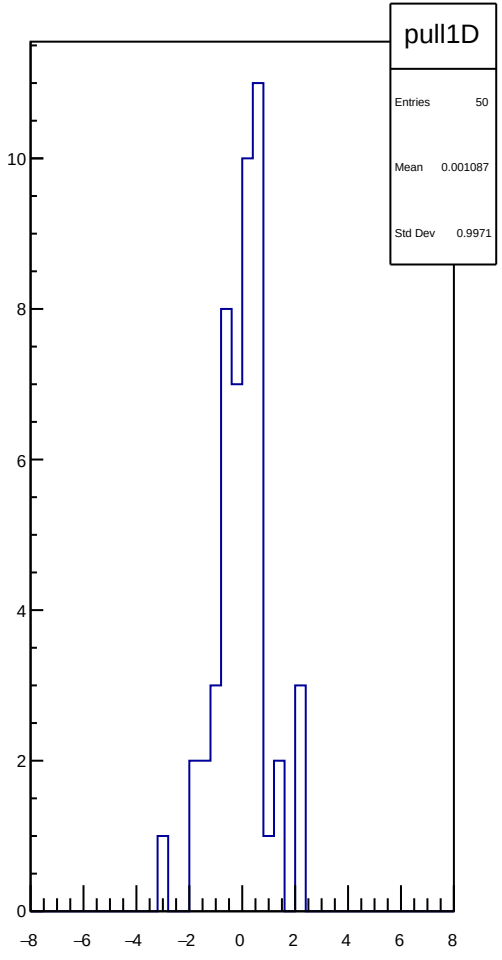

pull1D
Entries 50
Mean 0.0101
Std Dev 1.069
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

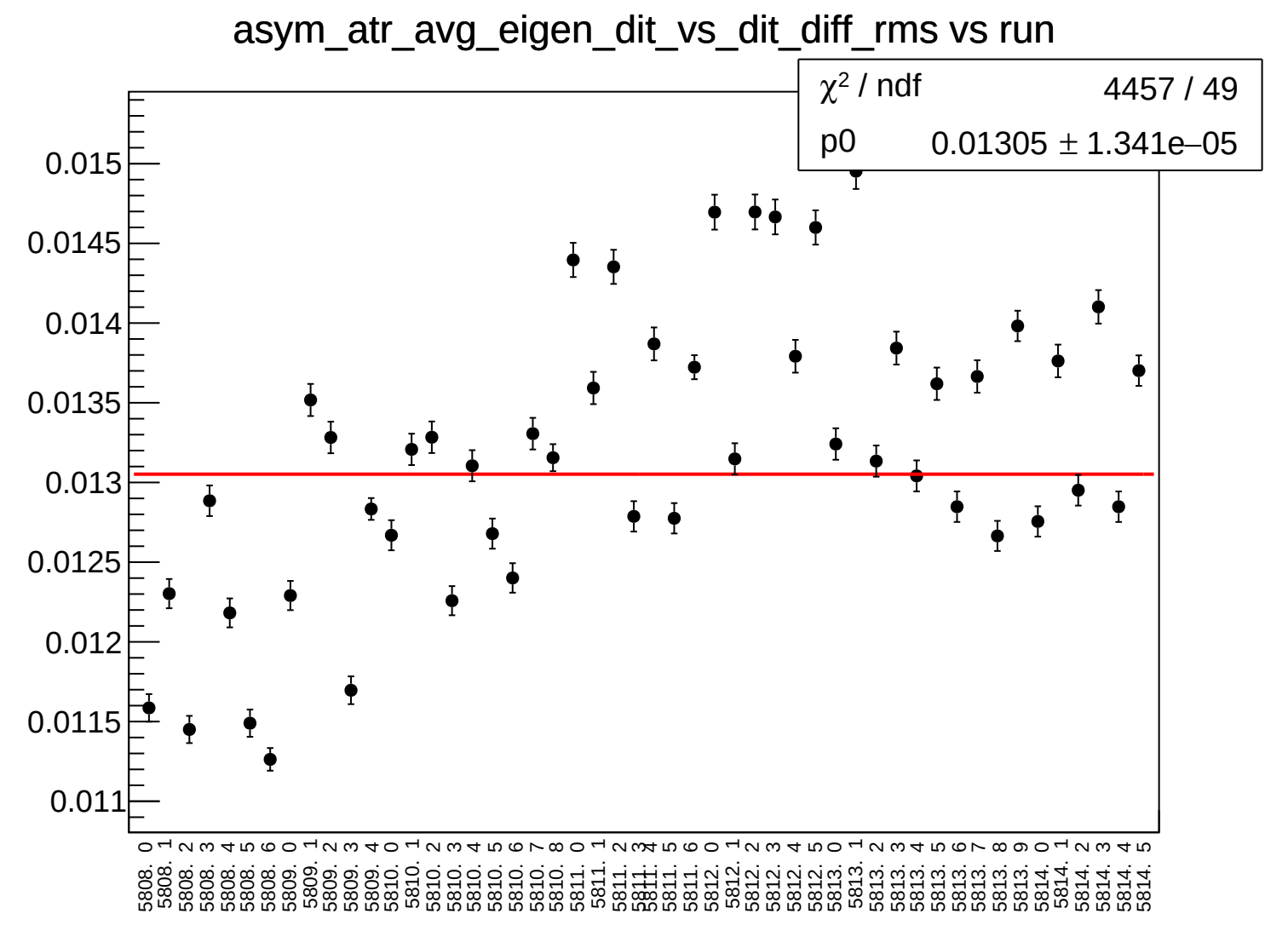

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.136e+04 / 49
p0 218.4 ± 0.2301
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

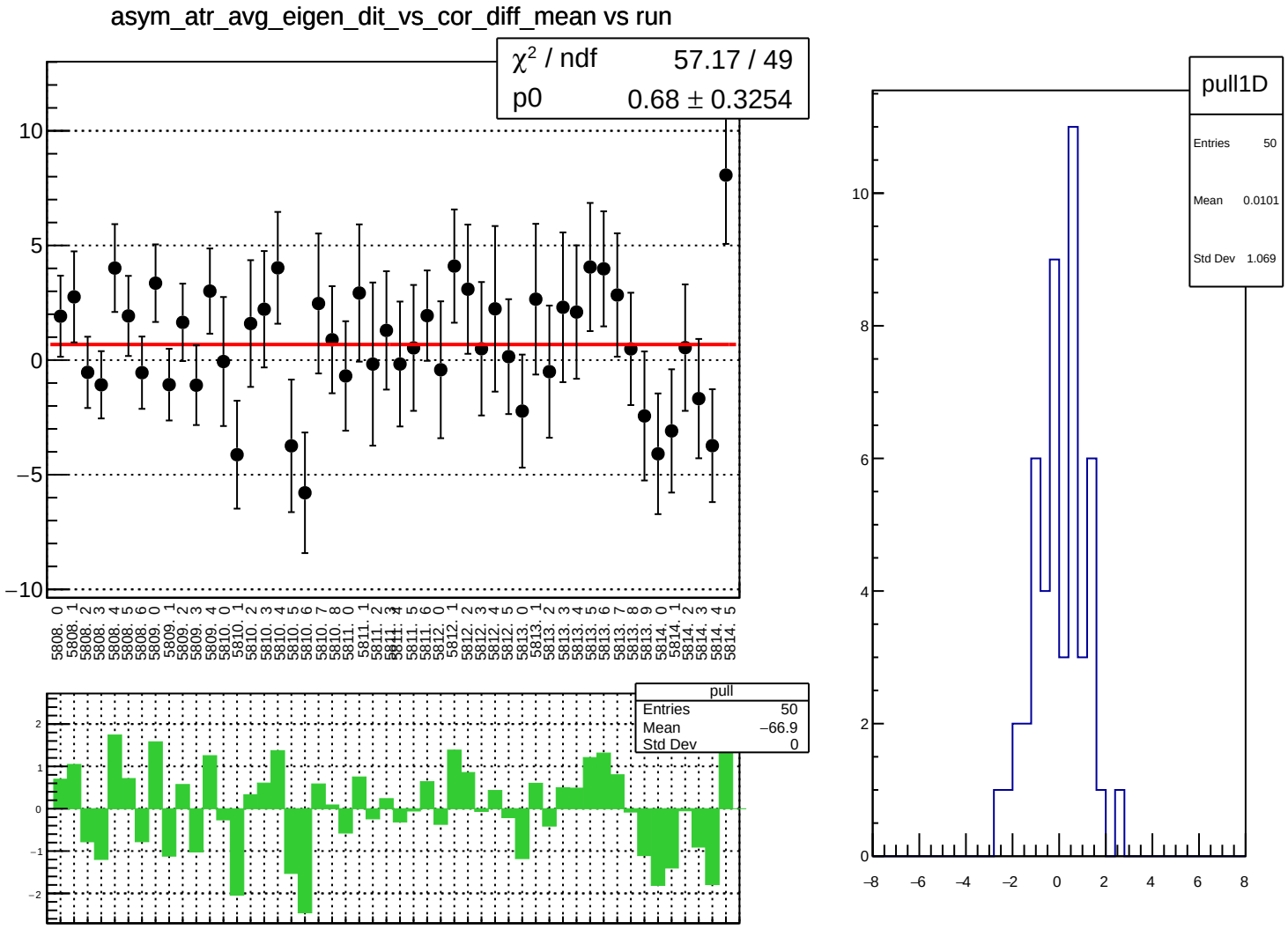

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.17 / 49
p0 0.68 ± 0.3254
pull
Entries 50
Mean −66.86
Std Dev 0
pull1D
Entries 50
Mean 0.0101
Std Dev 1.069

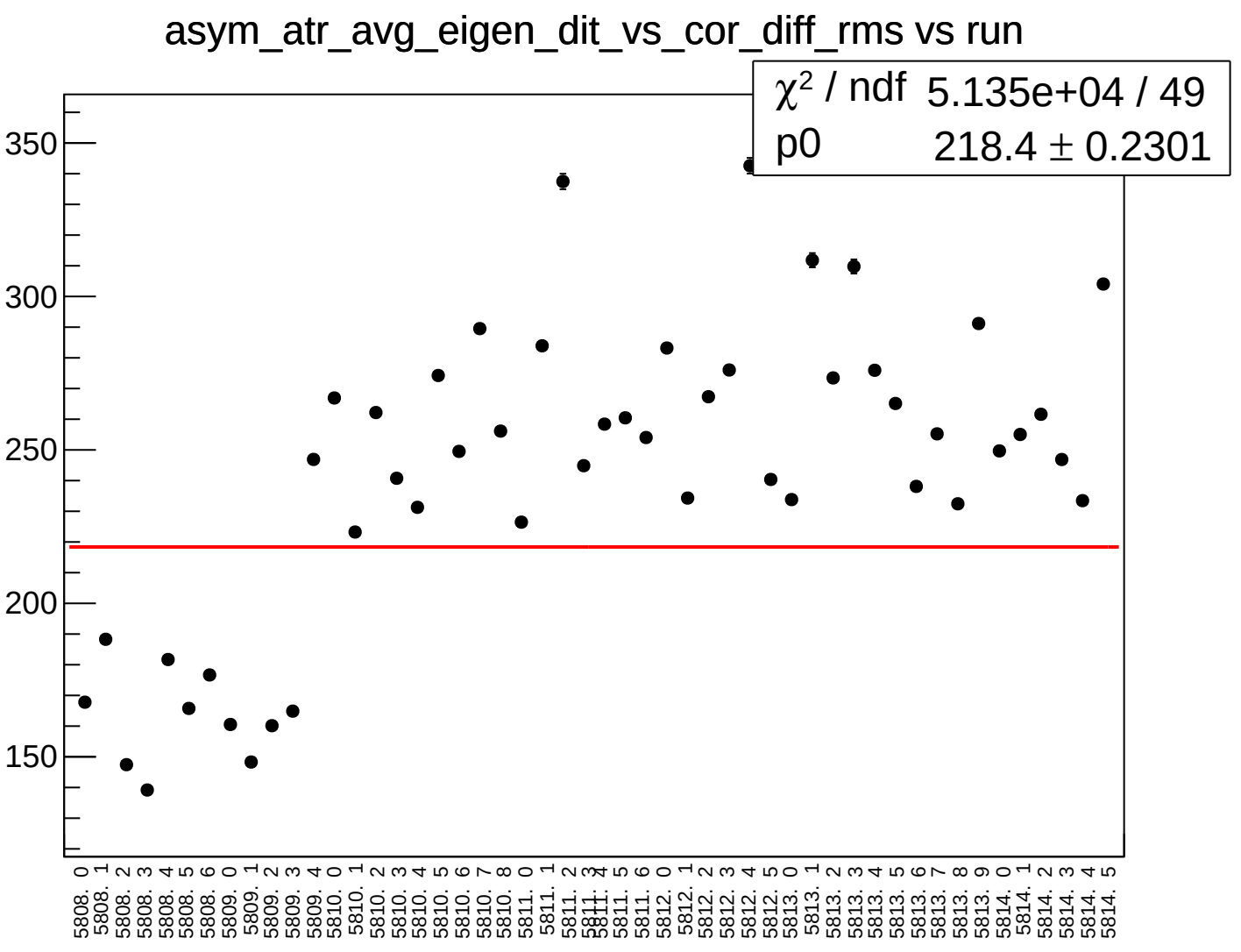

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.136e+04 / 49
p0 218.4 ± 0.2301
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

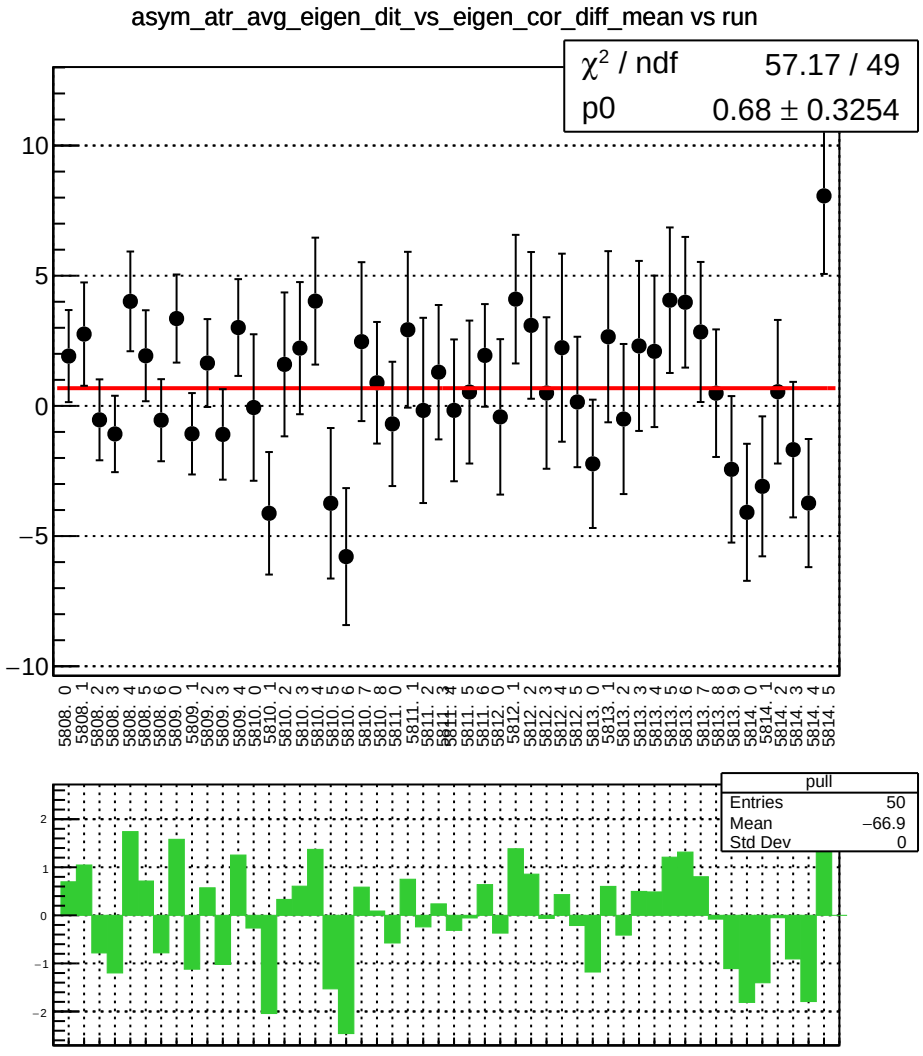

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.71 / 49
p0 −3.615e−05 ± 1.896e−05
0.4
0.2
0
−0.2
−0.4
−0.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −3830
Std Dev 0
2
1
0
−1
−2
−3

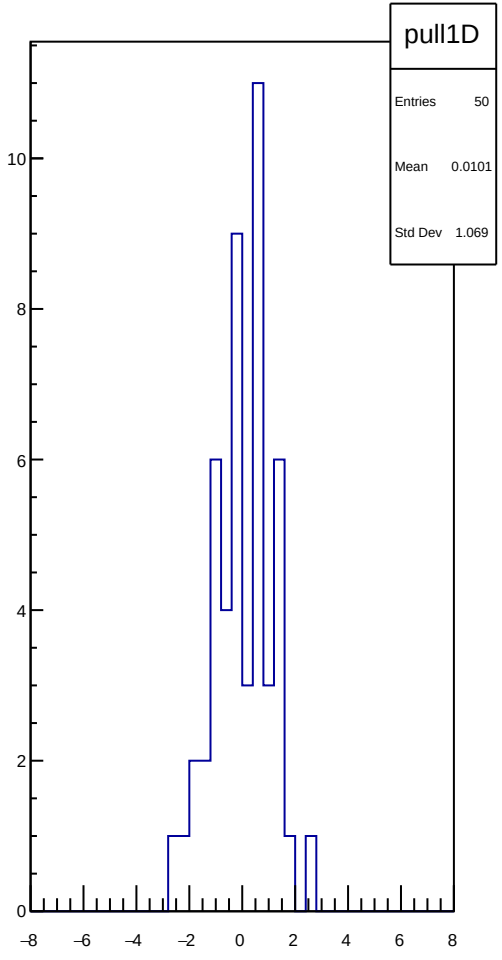

pull1D
Entries 50
Mean 0.001087
Std Dev 0.9971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

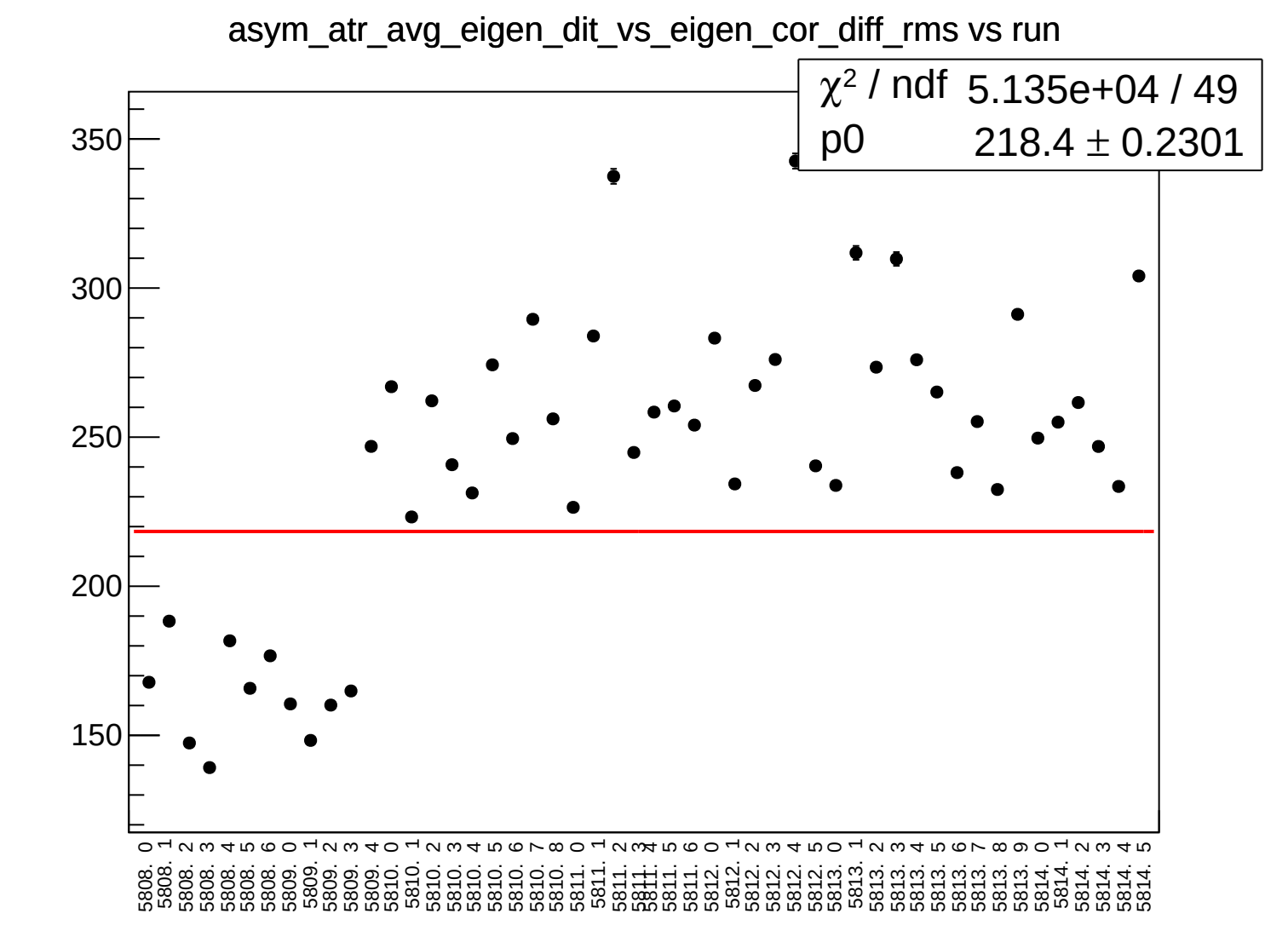

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4457 / 49
p0 0.01305 ± 1.341e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

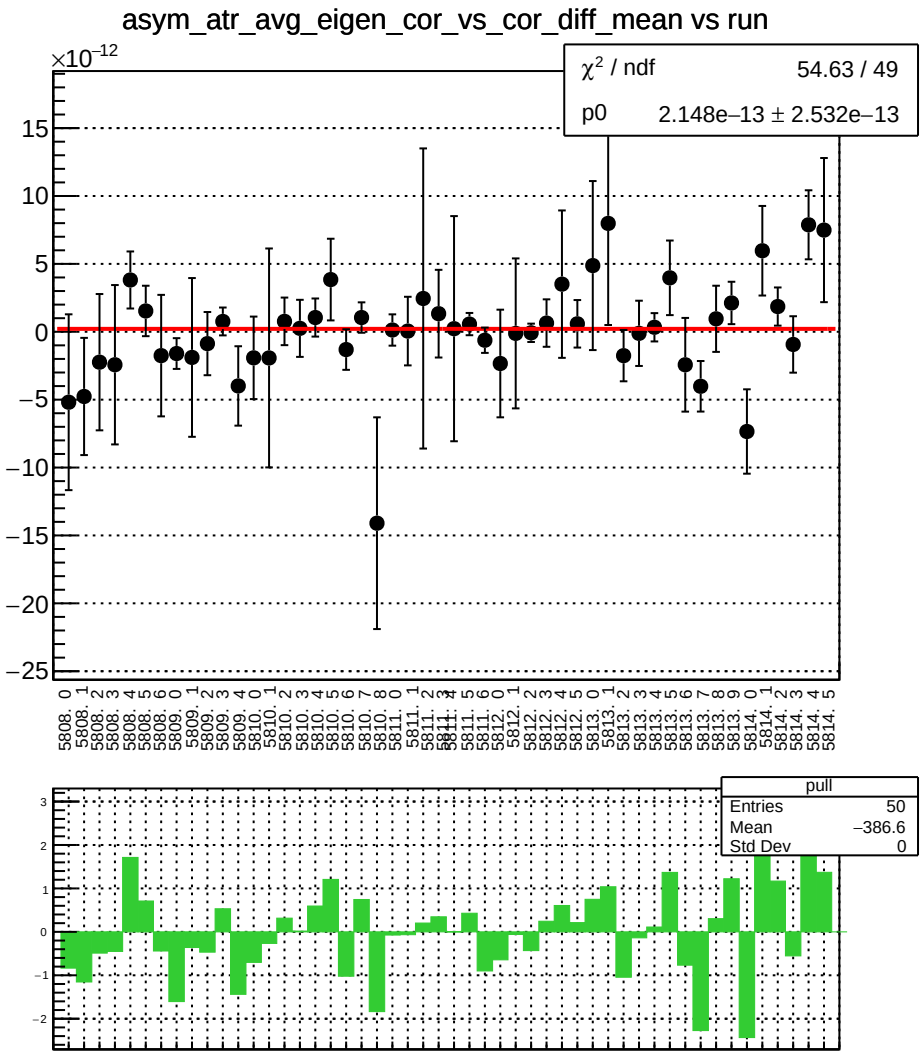

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.17 / 49
p0 0.68 ± 0.3254
pull
Entries 50
Mean −66.9
Std Dev 0
pull1D
Entries 50
Mean 0.0101
Std Dev 1.069

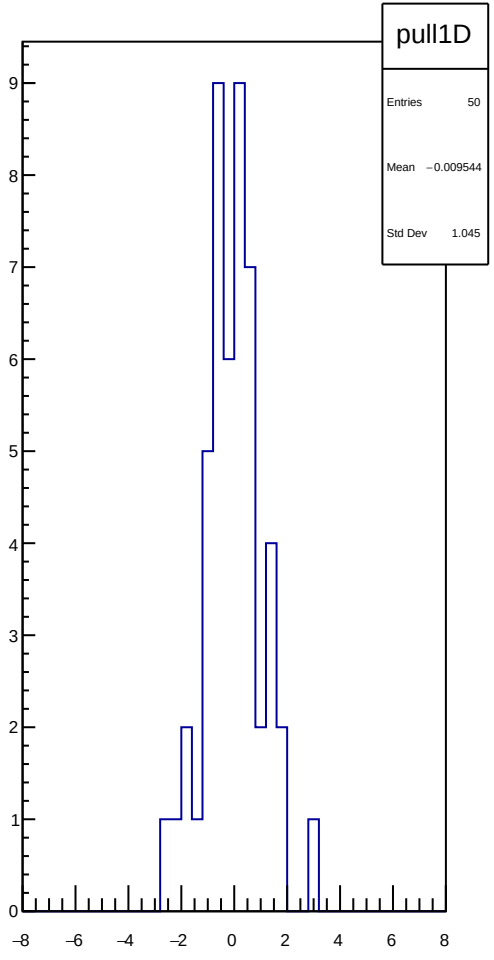

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.135e+04 / 49
p0 218.4 ± 0.2301
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

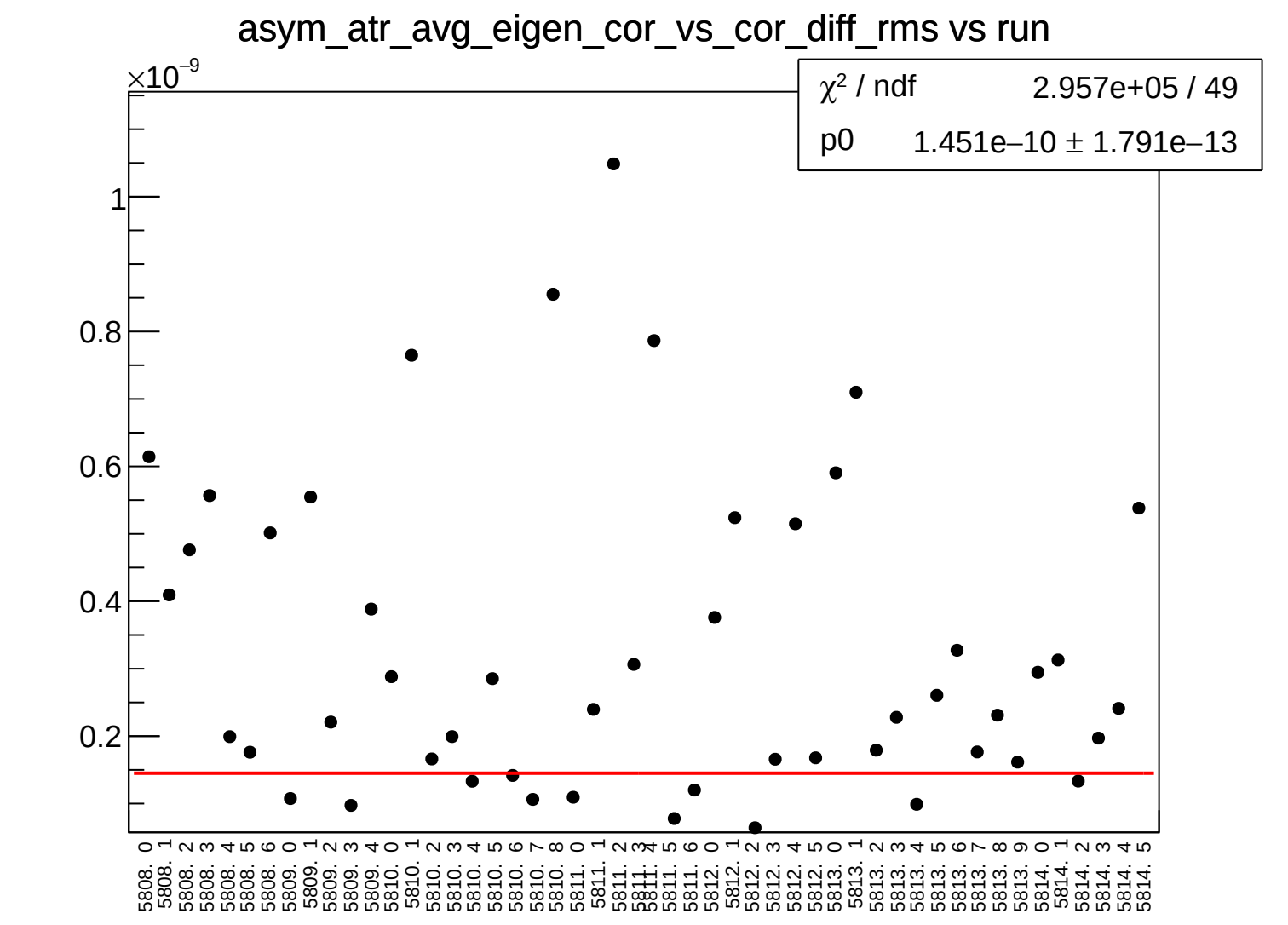

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.17 / 49
p0 0.68 ± 0.3254
pull
Entries 50
Mean −66.9
Std Dev 0

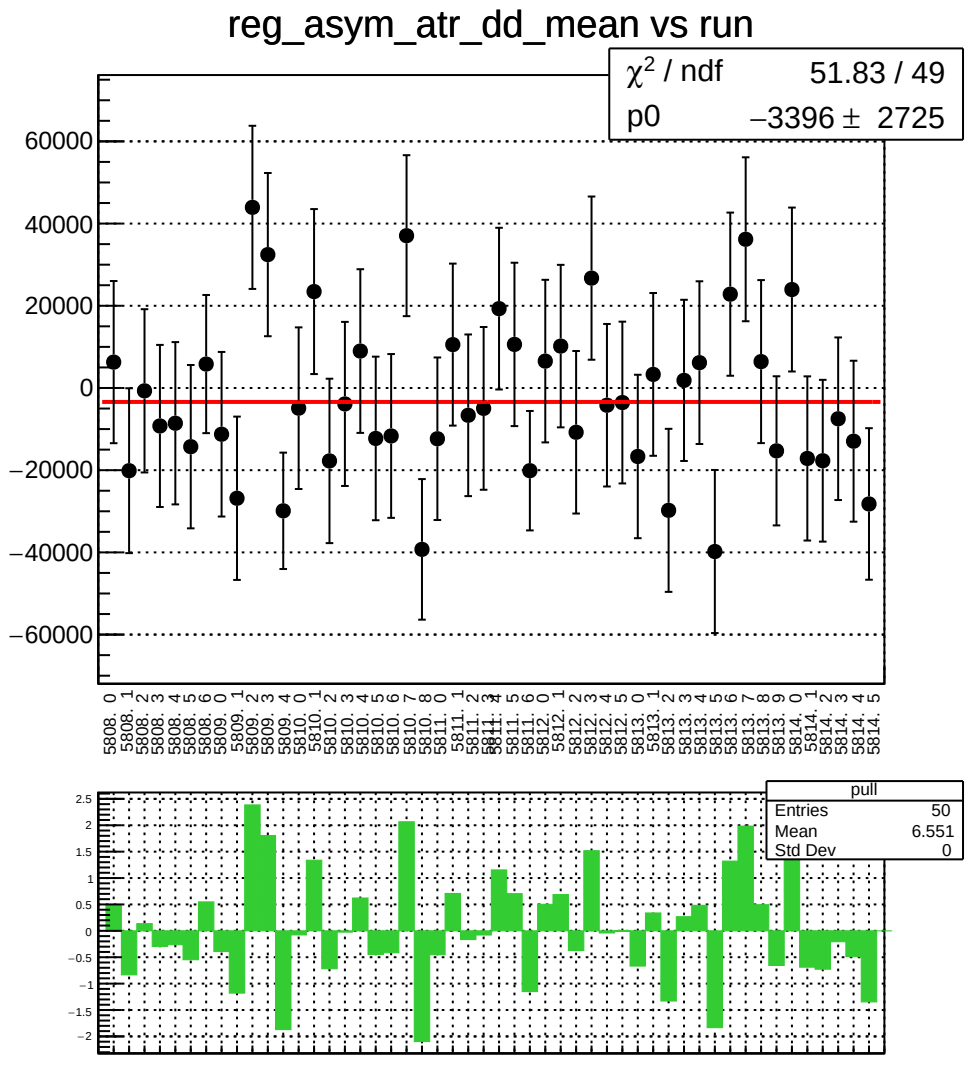

pull1D
Entries 50
Mean 0.0101
Std Dev 1.069

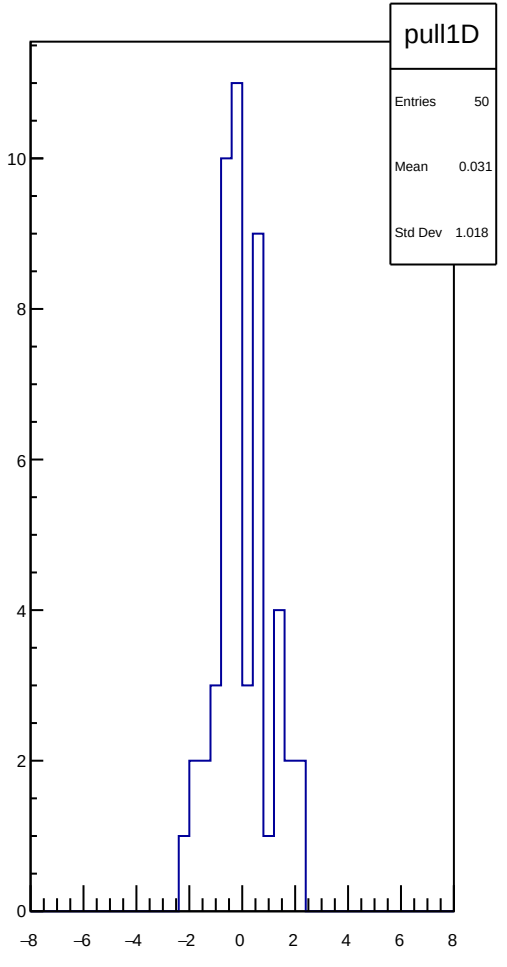

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.135e+04 / 49
p0 218.4 ± 0.2301
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

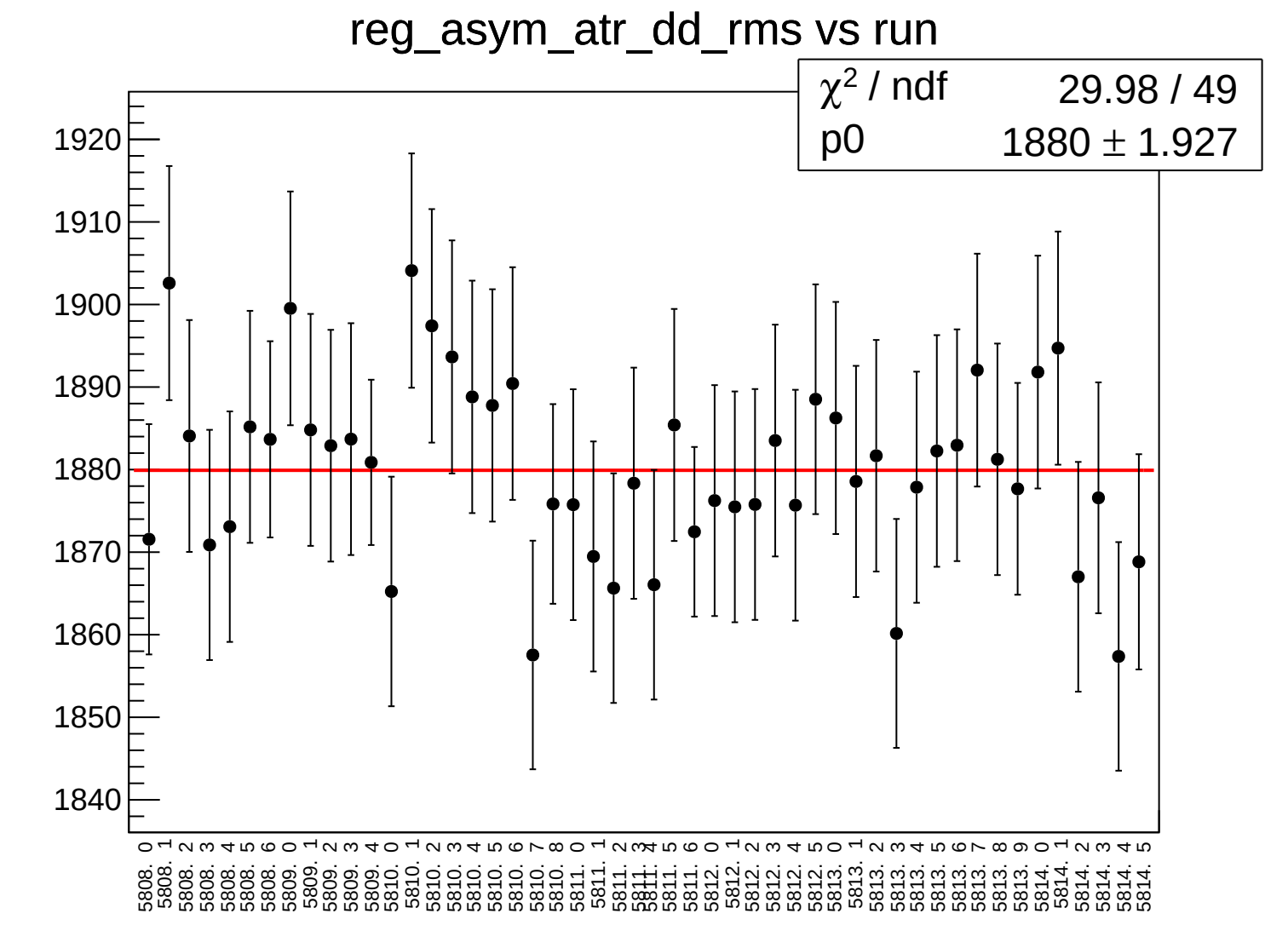

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.63 / 49
p0 2.148e−13 ± 2.532e−13
pull
Entries 50
Mean −386.6
Std Dev 0

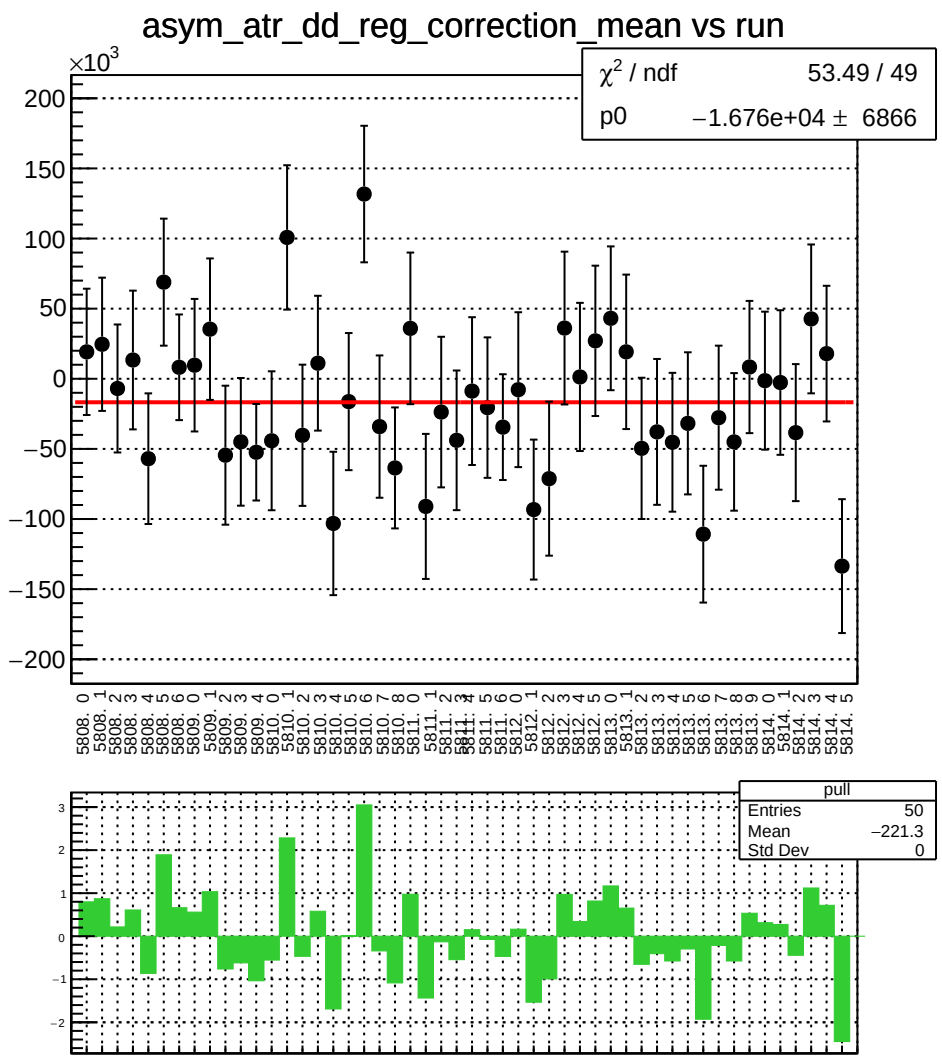

pull1D
Entries 50
Mean −0.009544
Std Dev 1.045

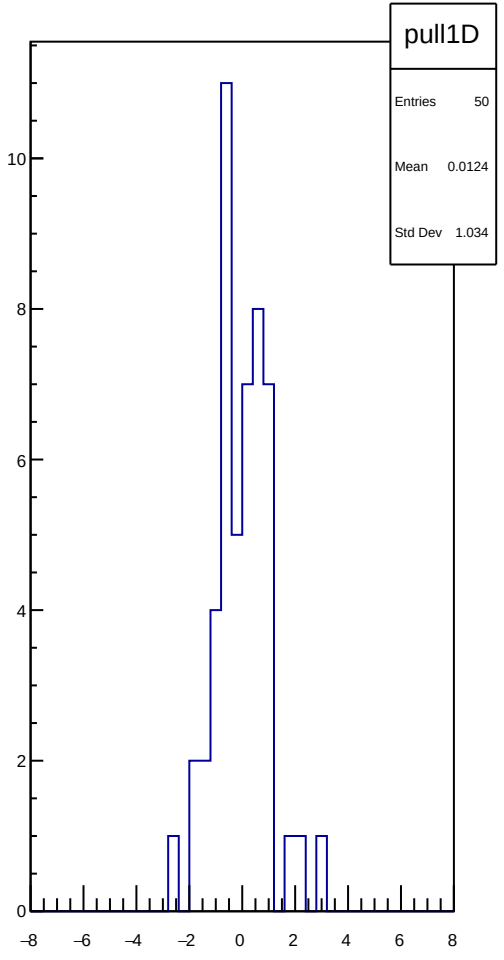

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.957e+05 / 49
p0 1.451e−10 ± 1.791e−13
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

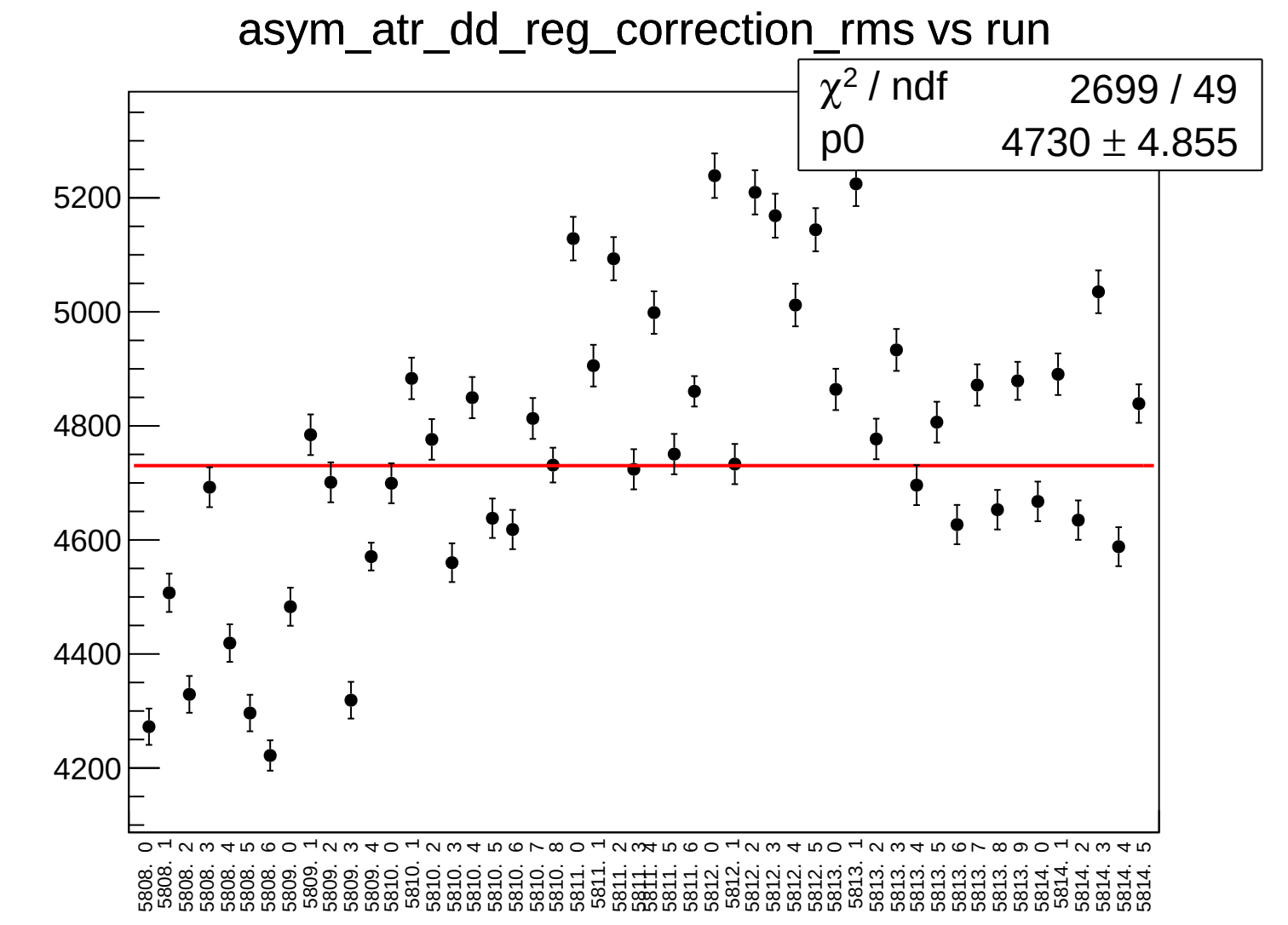

reg_asym_atr_dd_mean vs run
χ² / ndf 51.83 / 49
p0 −3396 ± 2725
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 6.551
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

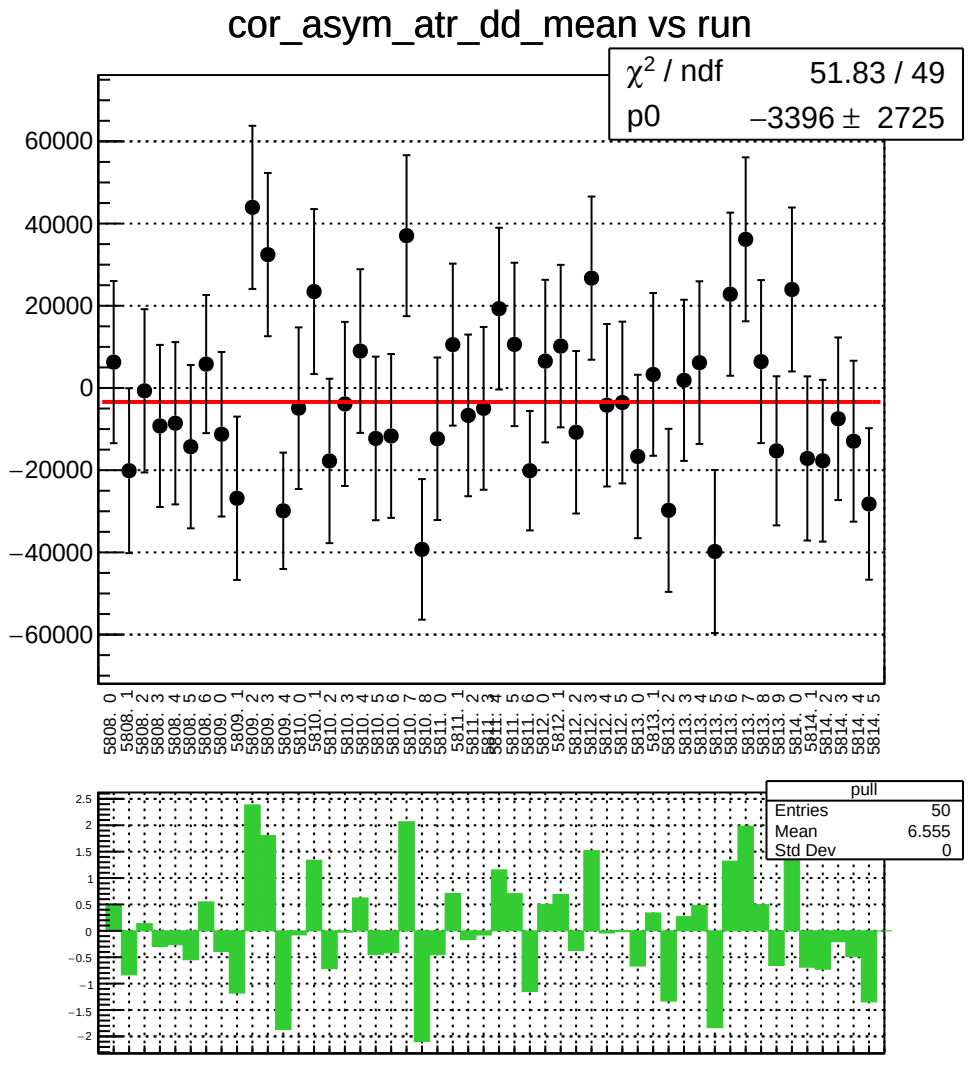

pull1D
Entries 50
Mean 0.031
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

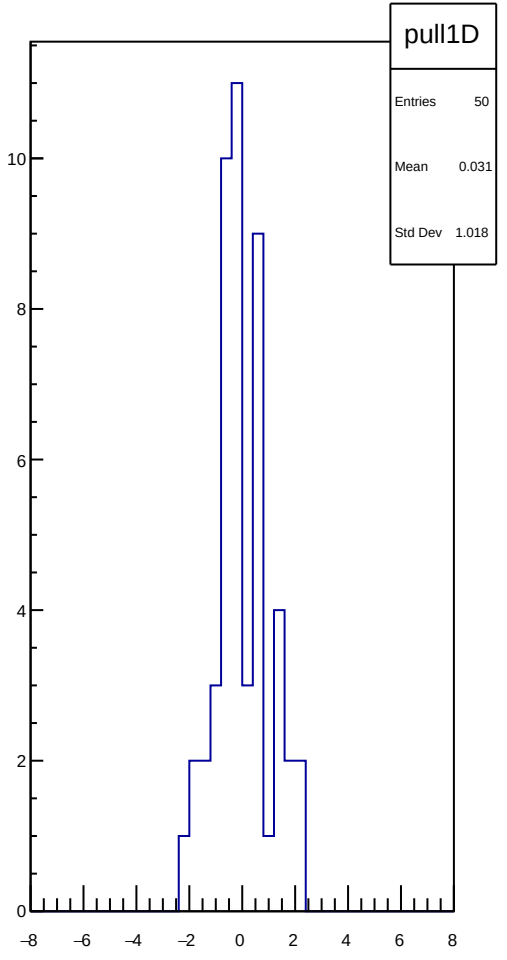

reg_asym_atr_dd_rms vs run
χ² / ndf 29.98 / 49
p0 1880 ± 1.927
1920
1910
1900
1890
1880
1870
1860
1850
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

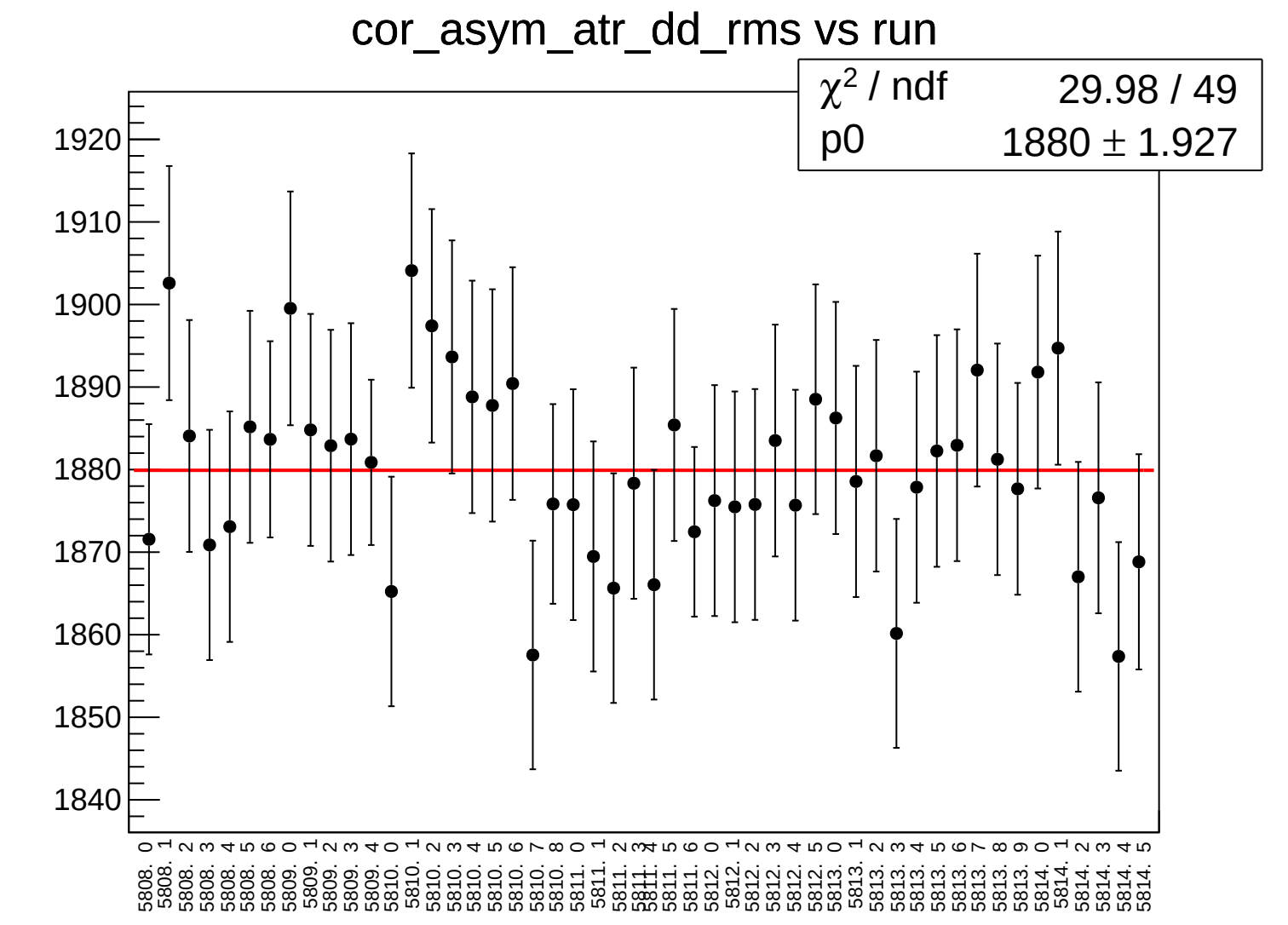

asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 53.49 / 49
p0 −1.676e+04 ± 6866
pull
Entries 50
Mean −221.3
Std Dev 0

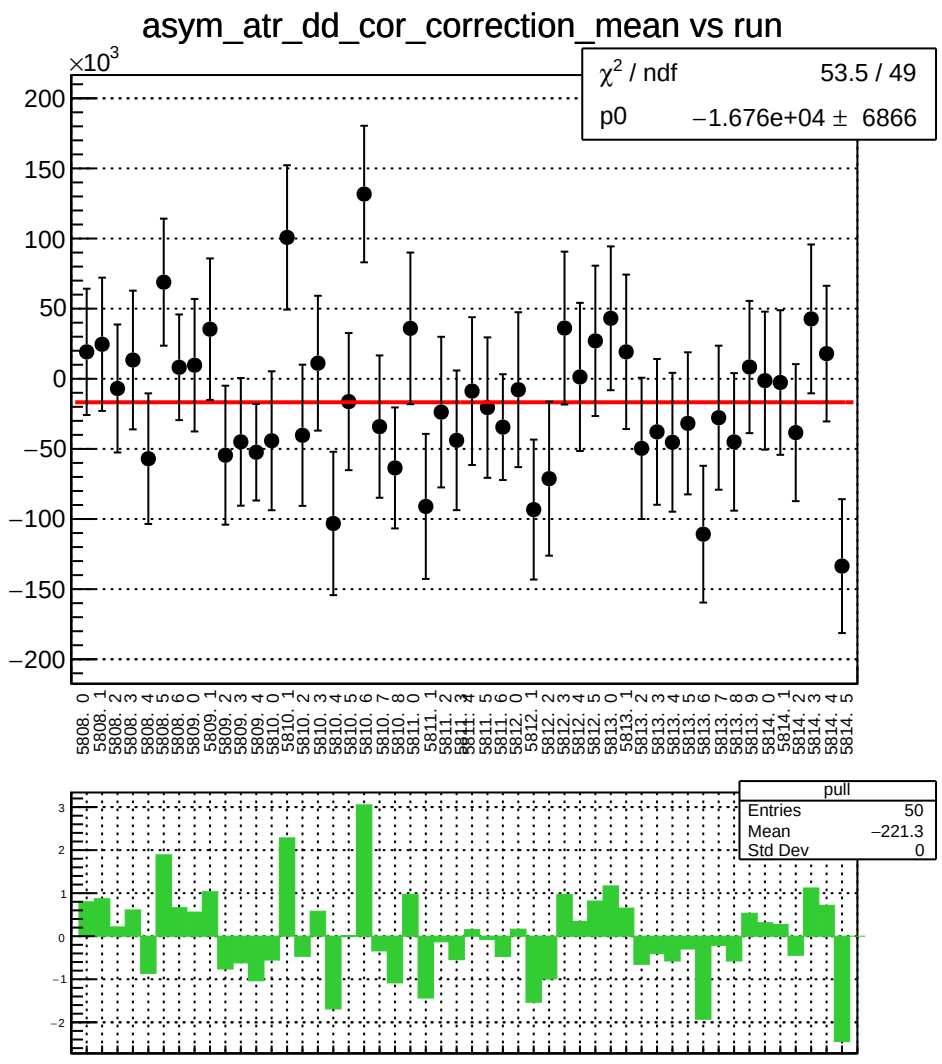

pull1D
Entries 50
Mean 0.0124
Std Dev 1.034

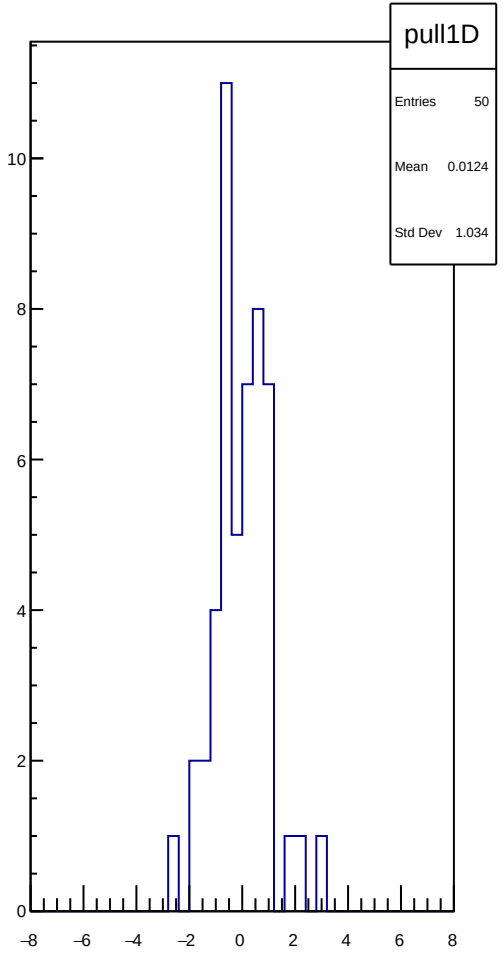

asym_atr_dd_reg_correction_rms vs run
χ² / ndf 2699 / 49
p0 4730 ± 4.855
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

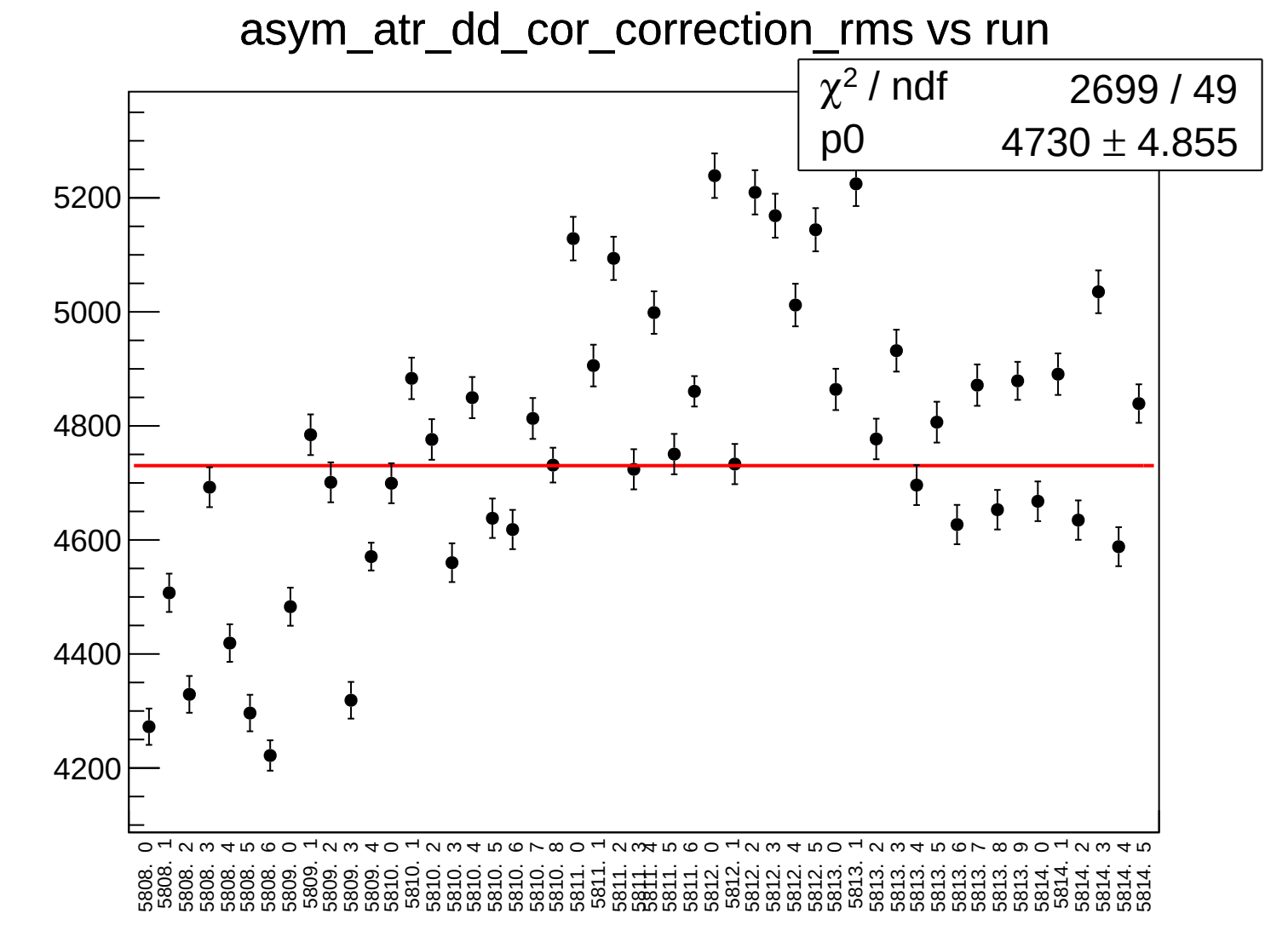

cor_asym_atr_dd_mean vs run
χ² / ndf 51.83 / 49
p0 −3396 ± 2725
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 6.555
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

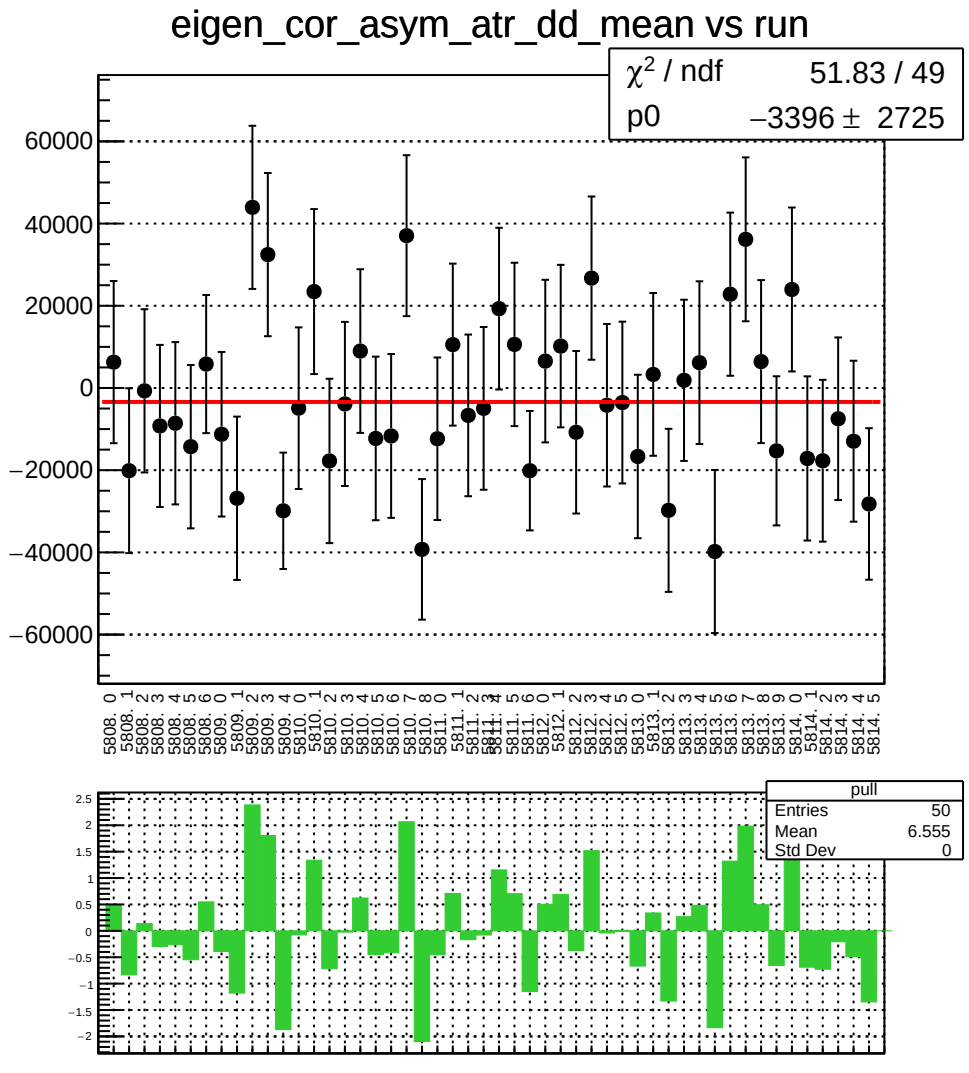

pull1D
Entries 50
Mean 0.031
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

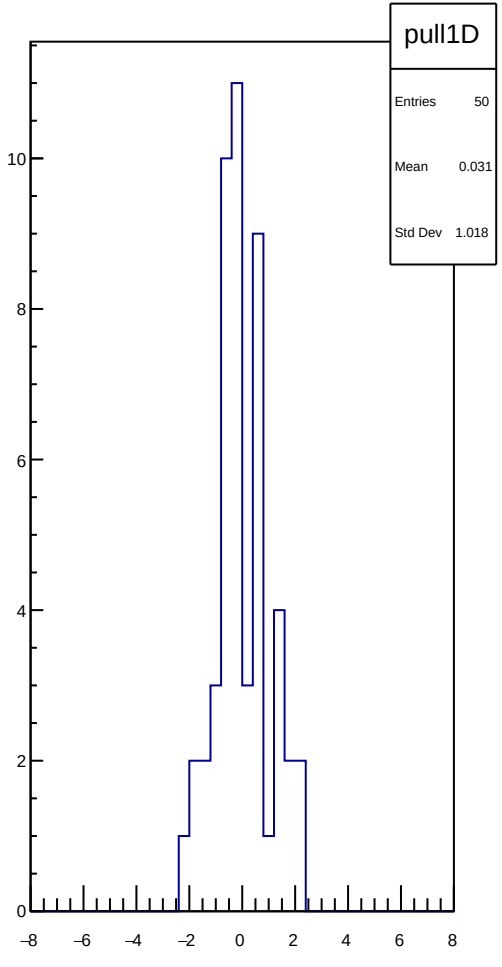

cor_asym_atr_dd_rms vs run
χ² / ndf 29.98 / 49
p0 1880 ± 1.927
1920
1910
1900
1890
1880
1870
1860
1850
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

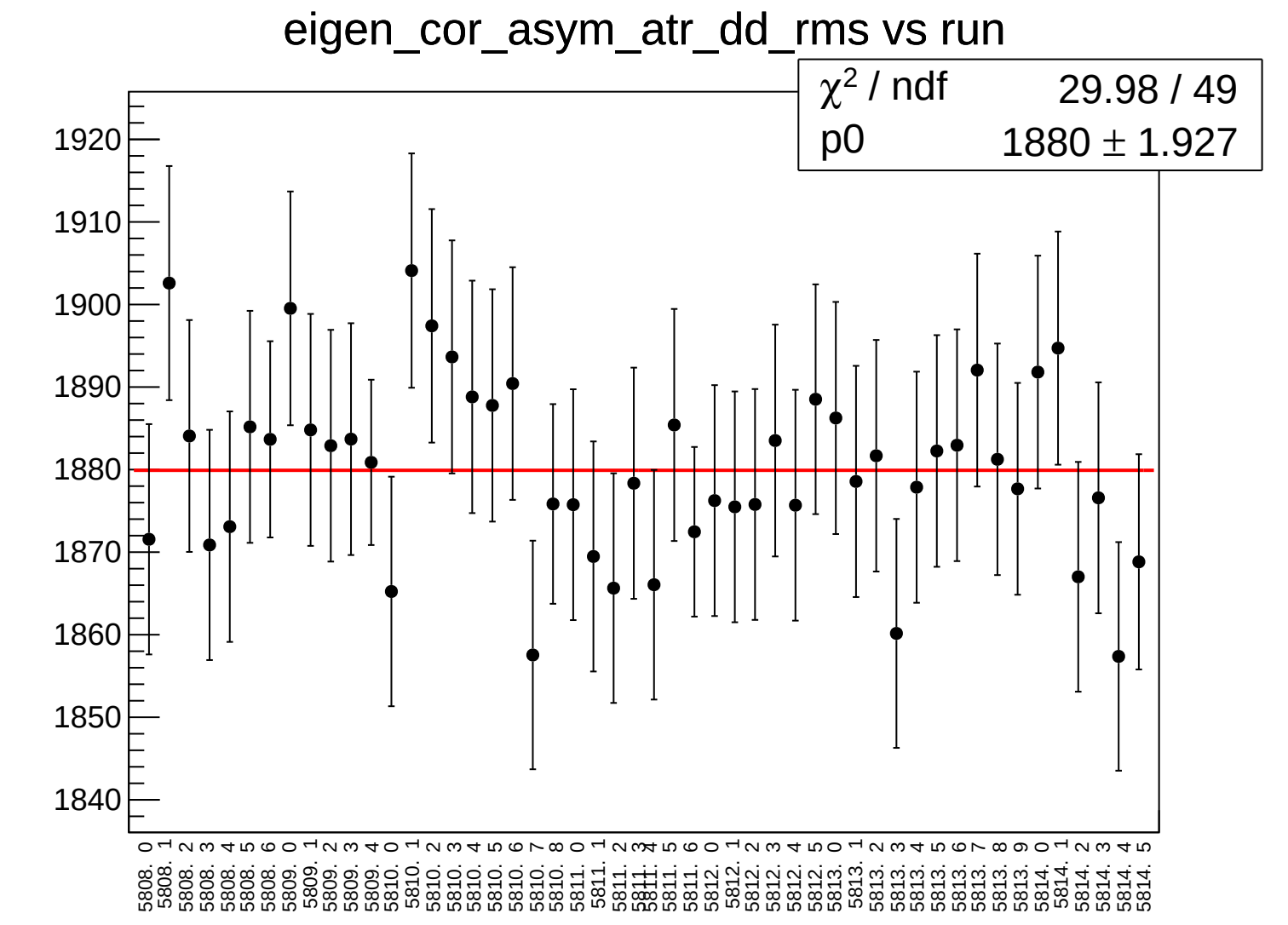

asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 53.5 / 49
p0 −1.676e+04 ± 6866
pull
Entries 50
Mean −221.3
Std Dev 0

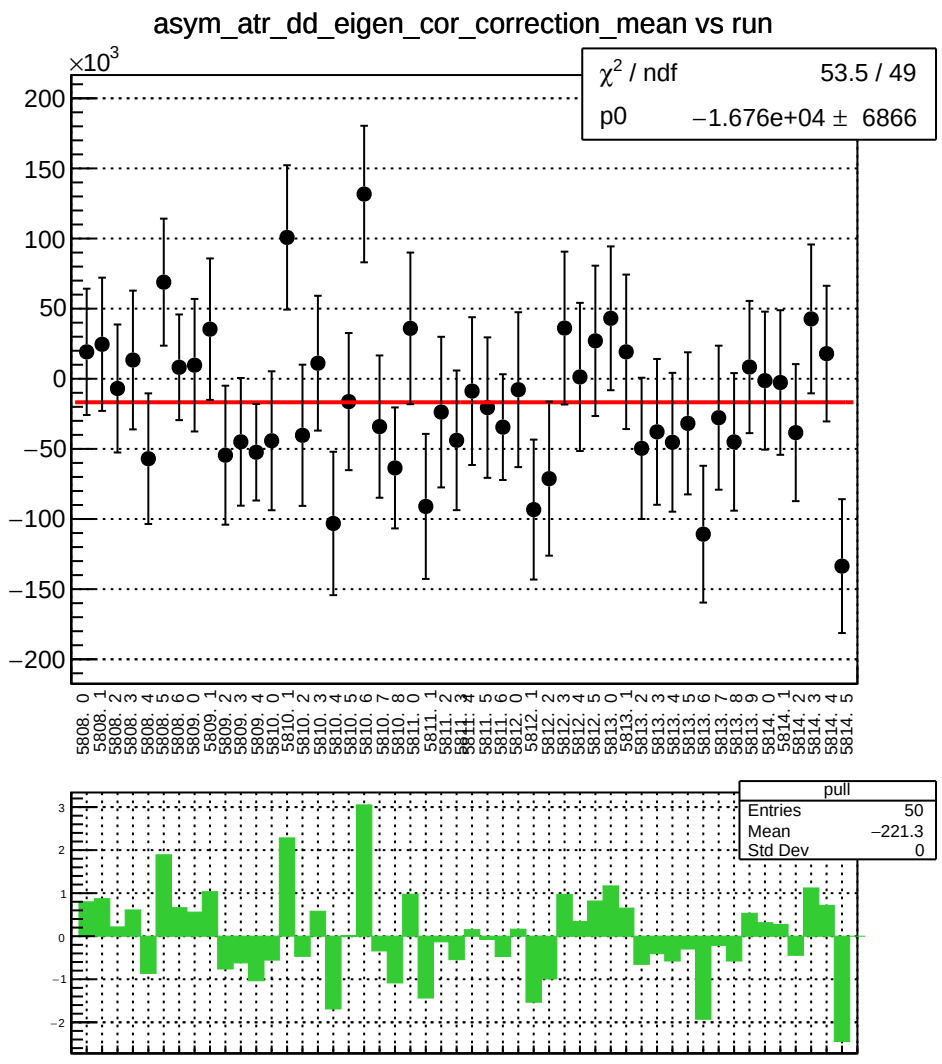

pull1D
Entries 50
Mean 0.0124
Std Dev 1.034

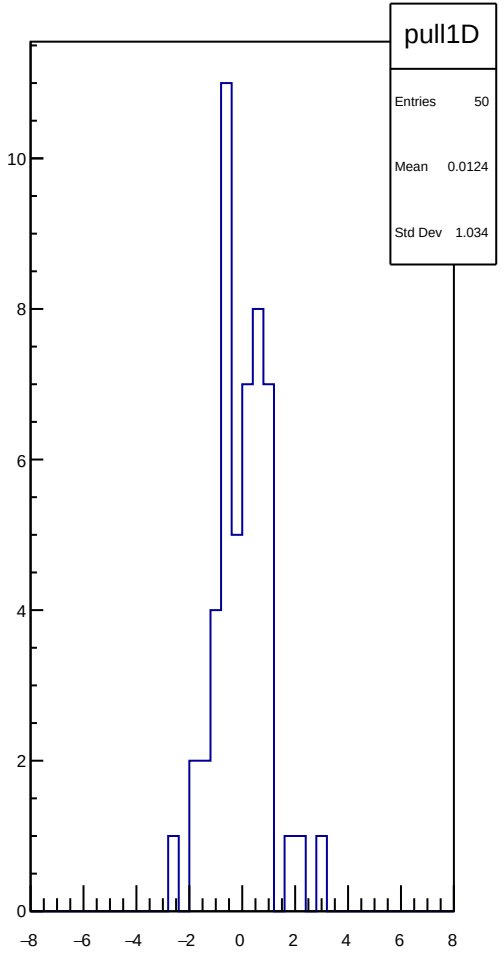

asym_atr_dd_cor_correction_rms vs run
χ² / ndf 2699 / 49
p0 4730 ± 4.855
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

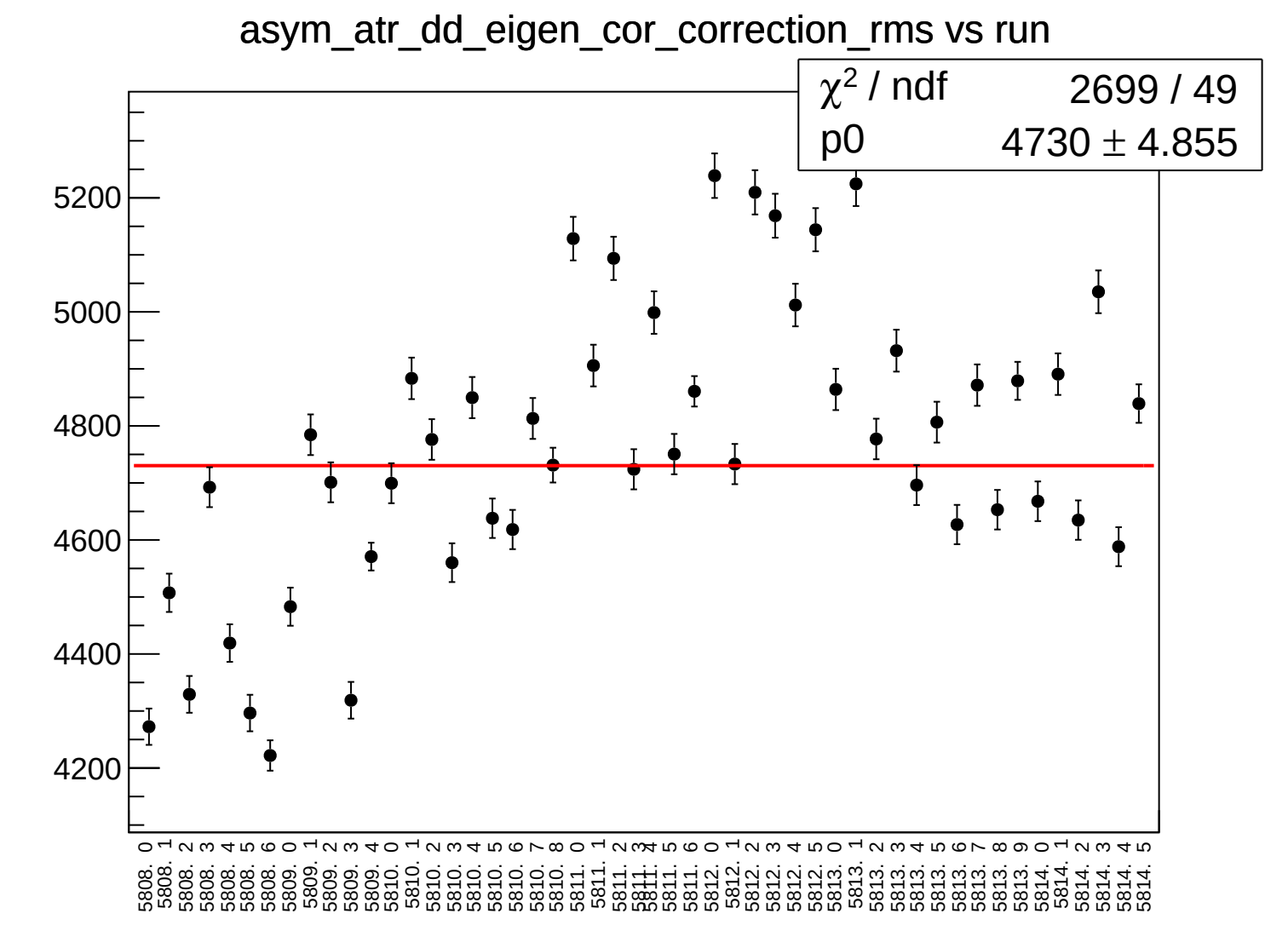

eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 51.83 / 49
p0 −3396 ± 2725
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 6.555
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

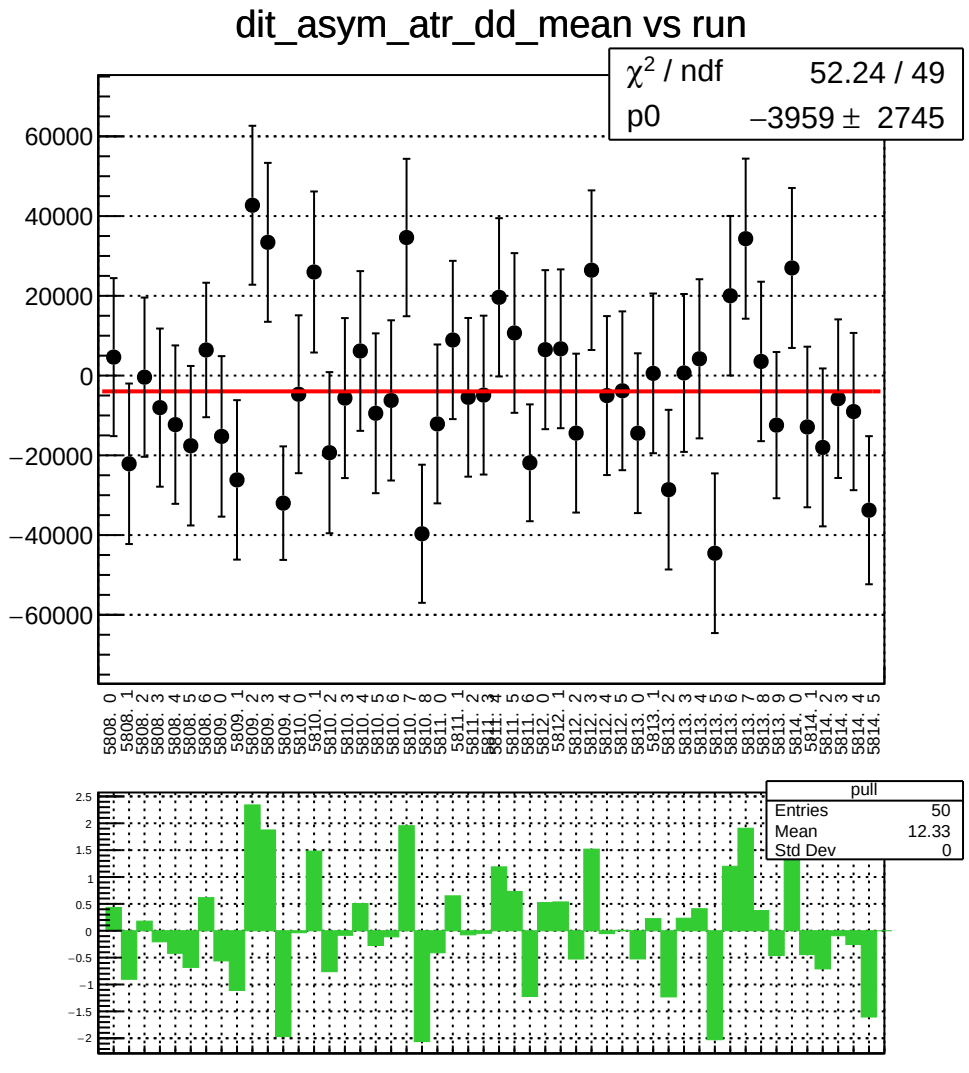

pull1D
Entries 50
Mean 0.031
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

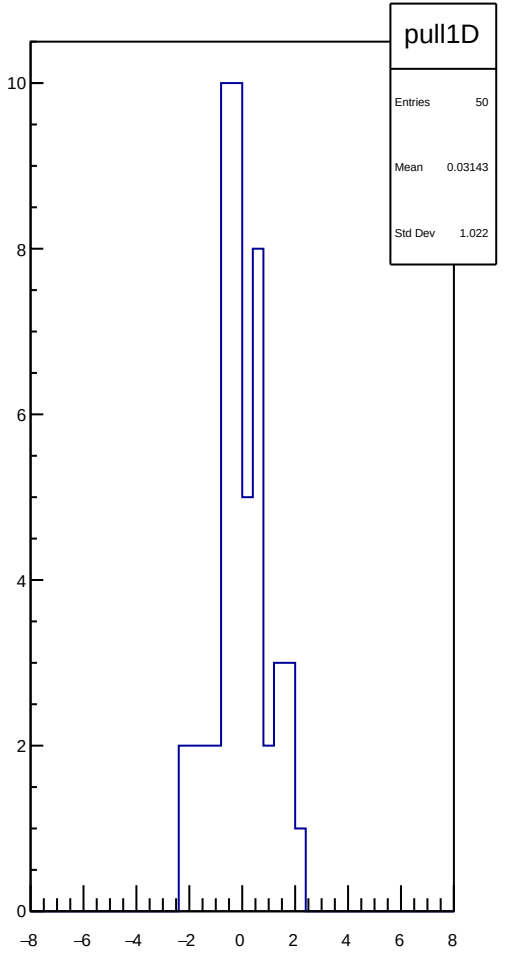

eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 29.98 / 49
p0 1880 ± 1.927
1920
1910
1900
1890
1880
1870
1860
1850
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

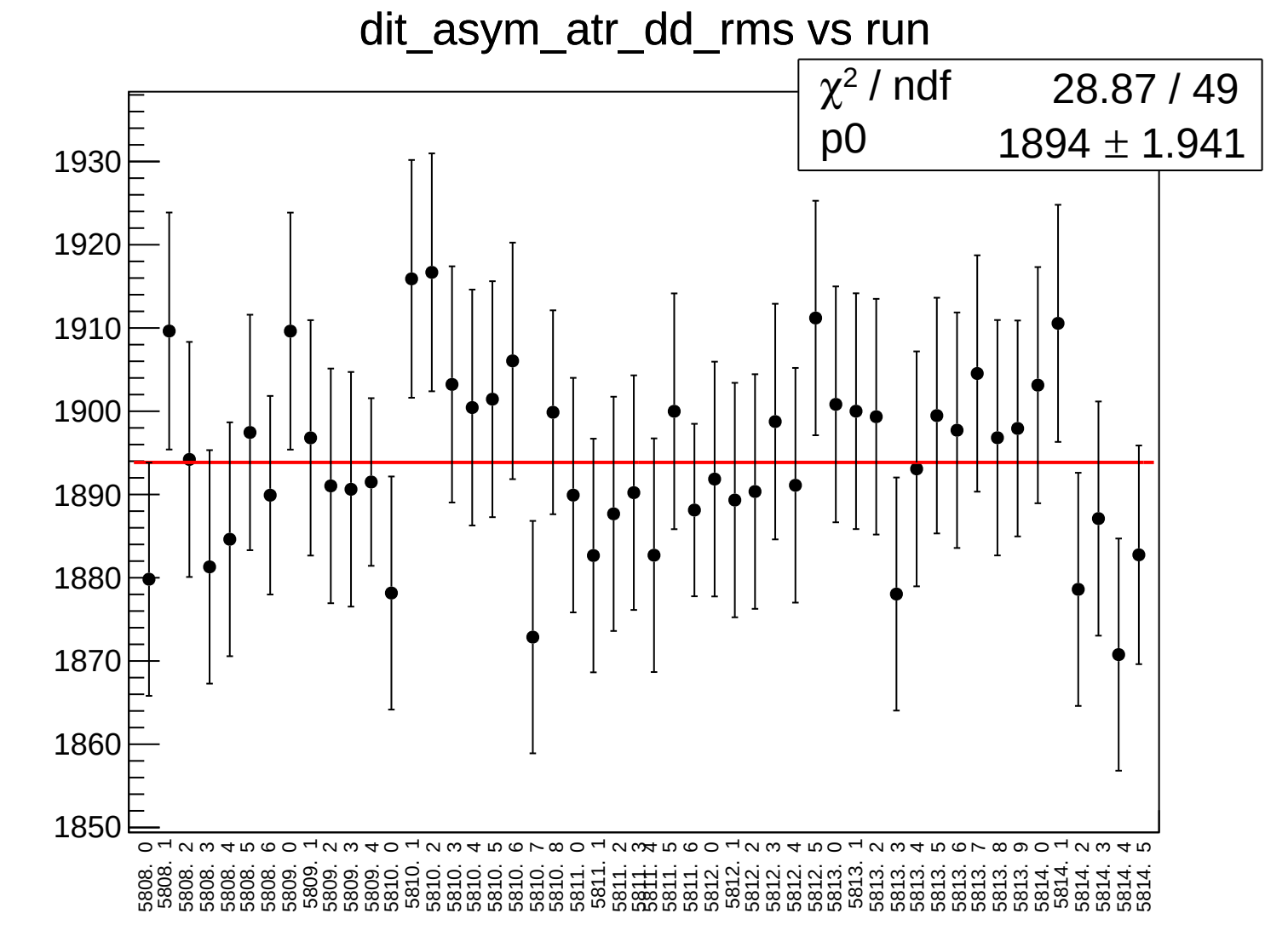

asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.5 / 49
p0 −1.676e+04 ± 6866
pull
Entries 50
Mean −221.3
Std Dev 0

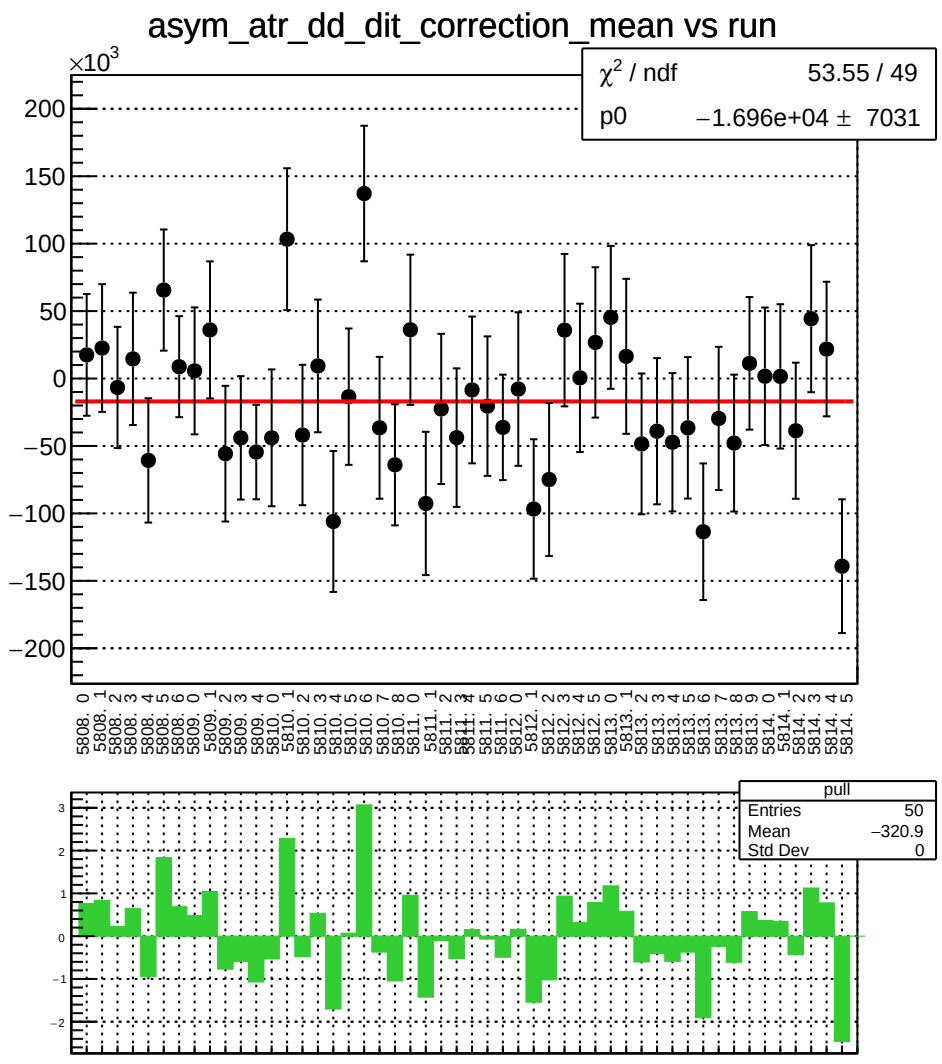

pull1D
Entries 50
Mean 0.0124
Std Dev 1.034

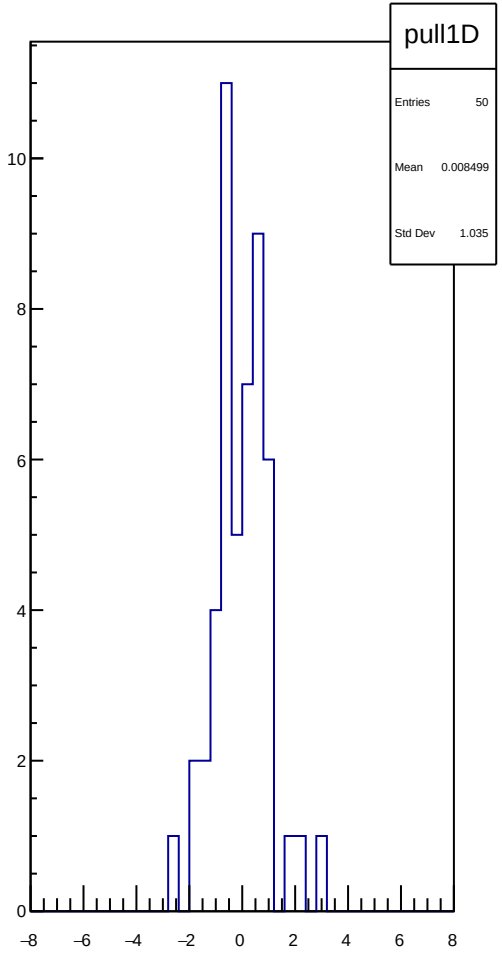

asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 2699 / 49
p0 4730 ± 4.855
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

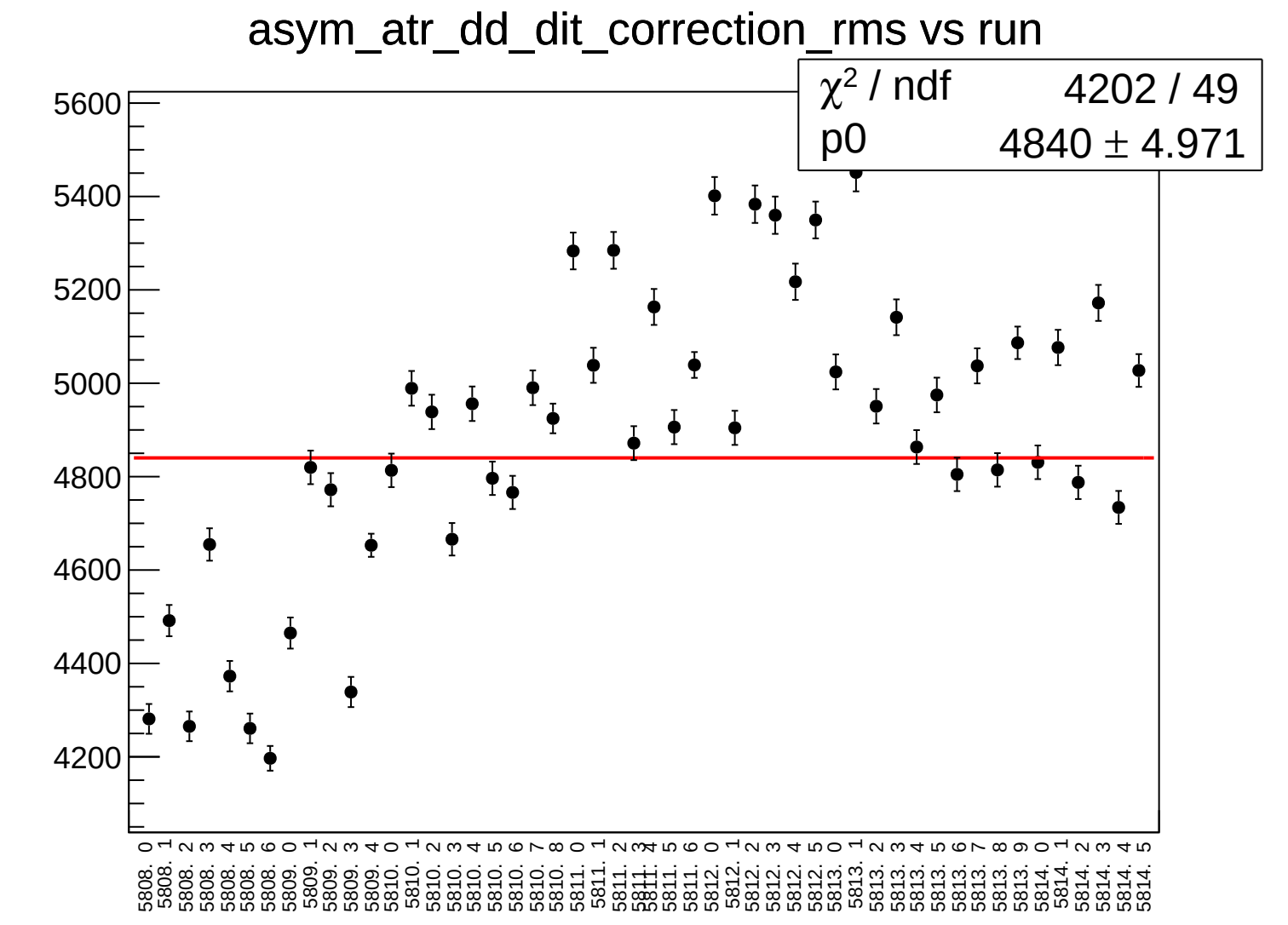

dit_asym_atr_dd_mean vs run
χ² / ndf 52.24 / 49
p0 −3959 ± 2745
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 12.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

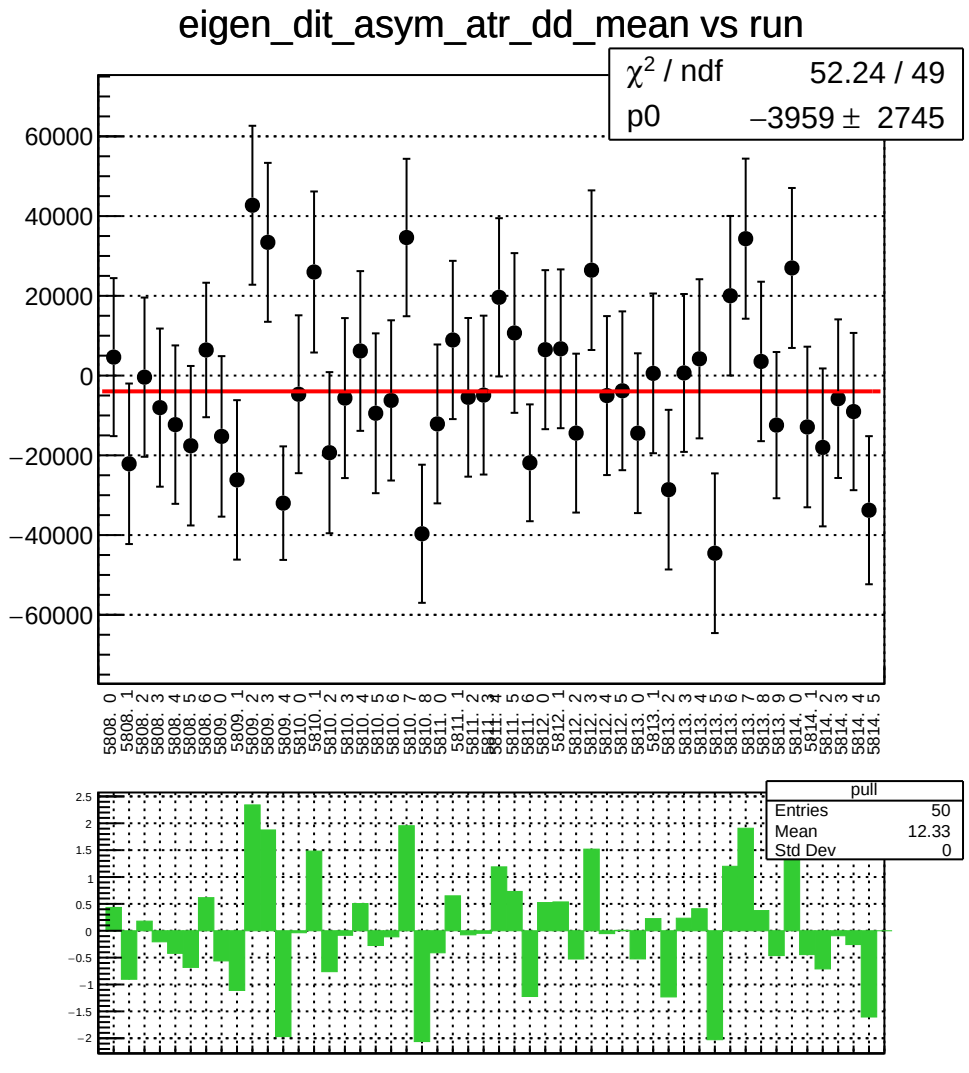

pull1D
Entries 50
Mean 0.03143
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

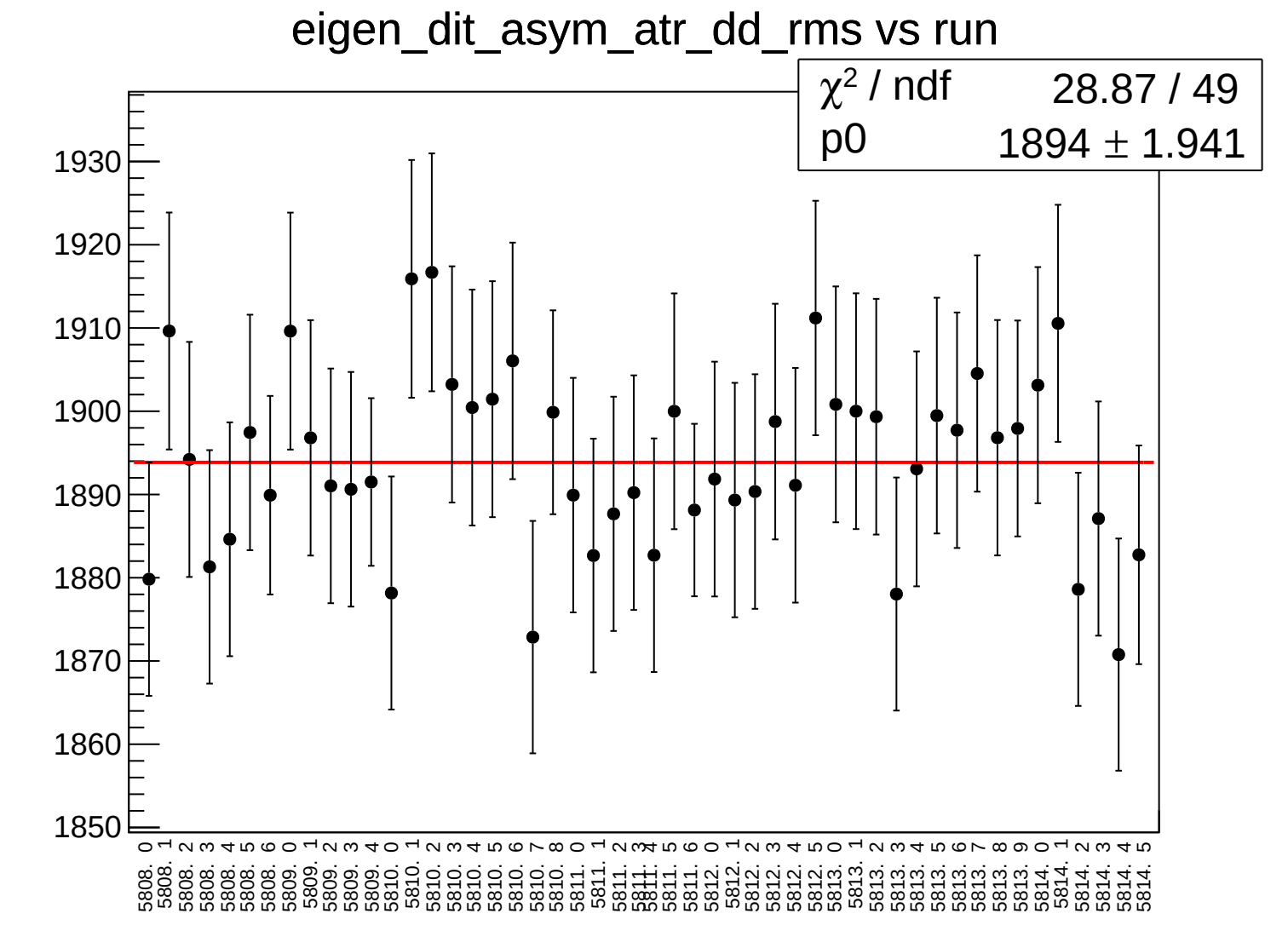

dit_asym_atr_dd_rms vs run
χ² / ndf 28.87 / 49
p0 1894 ± 1.941
1930
1920
1910
1900
1890
1880
1870
1860
1850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

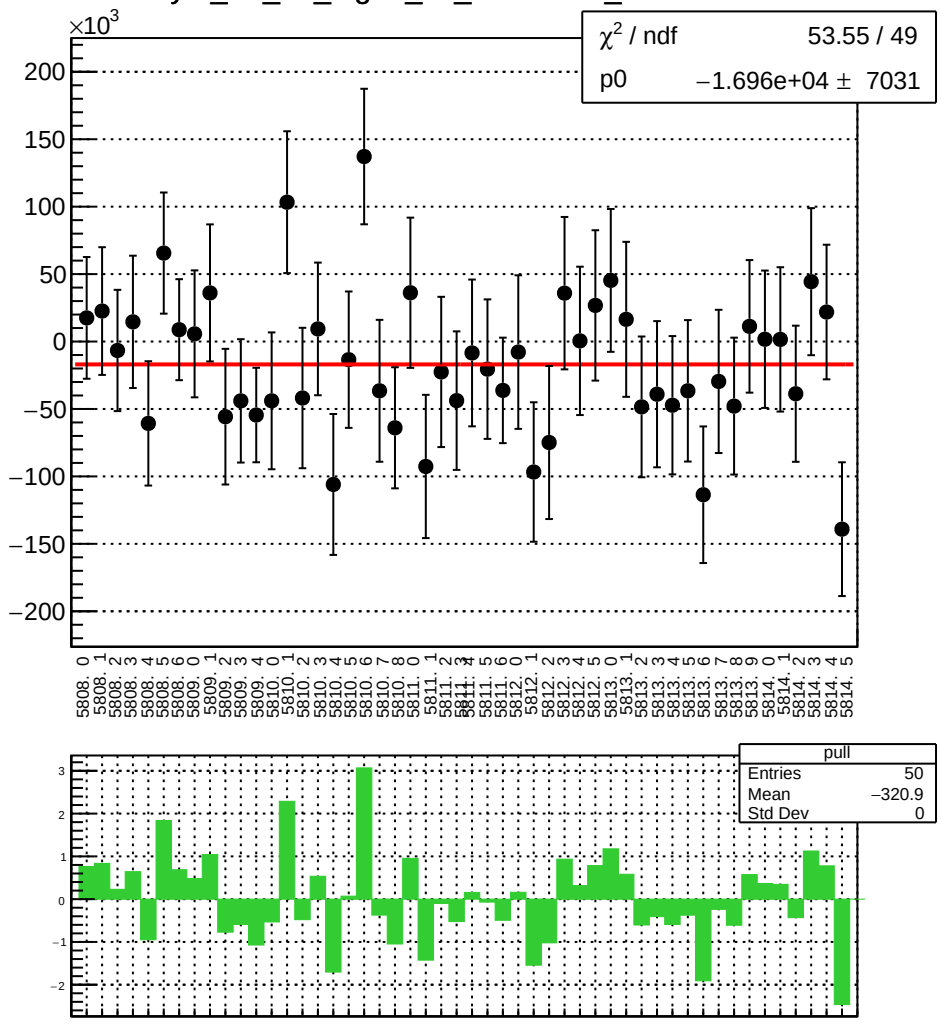

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 53.55 / 49
p0 −1.696e+04 ± 7031
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −320.9
Std Dev 0
3
2
1
0
−1
−2

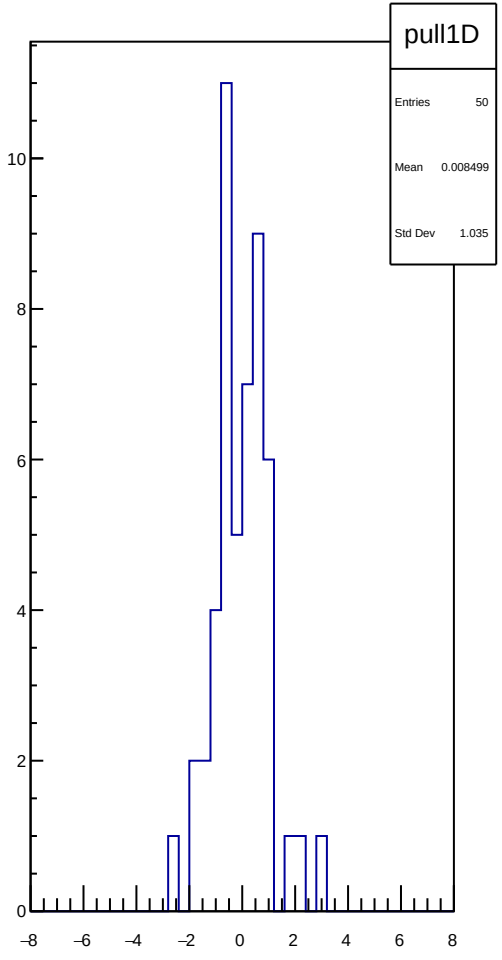

pull1D
Entries 50
Mean 0.008499
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

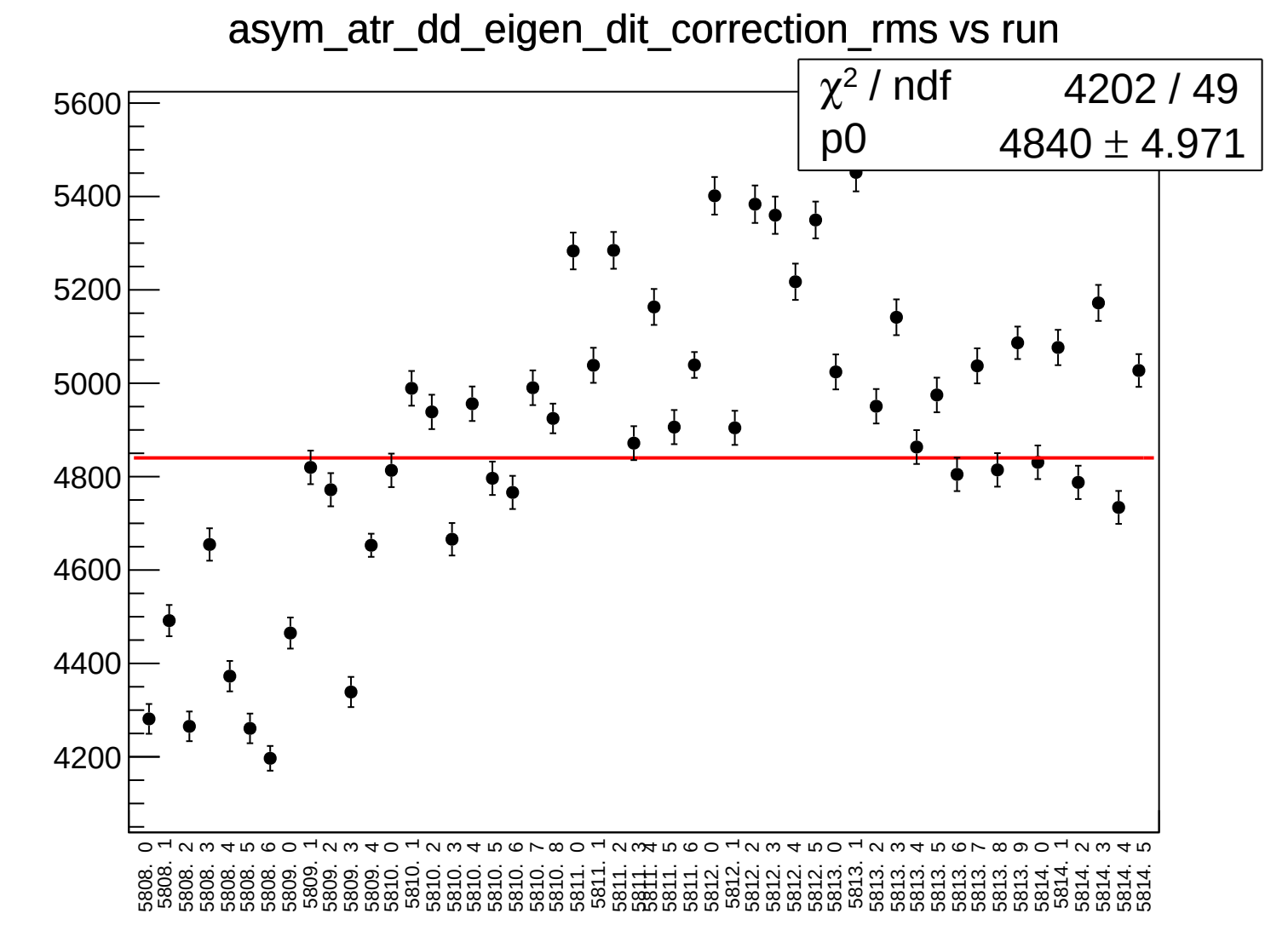

asym_atr_dd_dit_correction_rms vs run
χ² / ndf 4202 / 49
p0 4840 ± 4.971
5600
5400
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

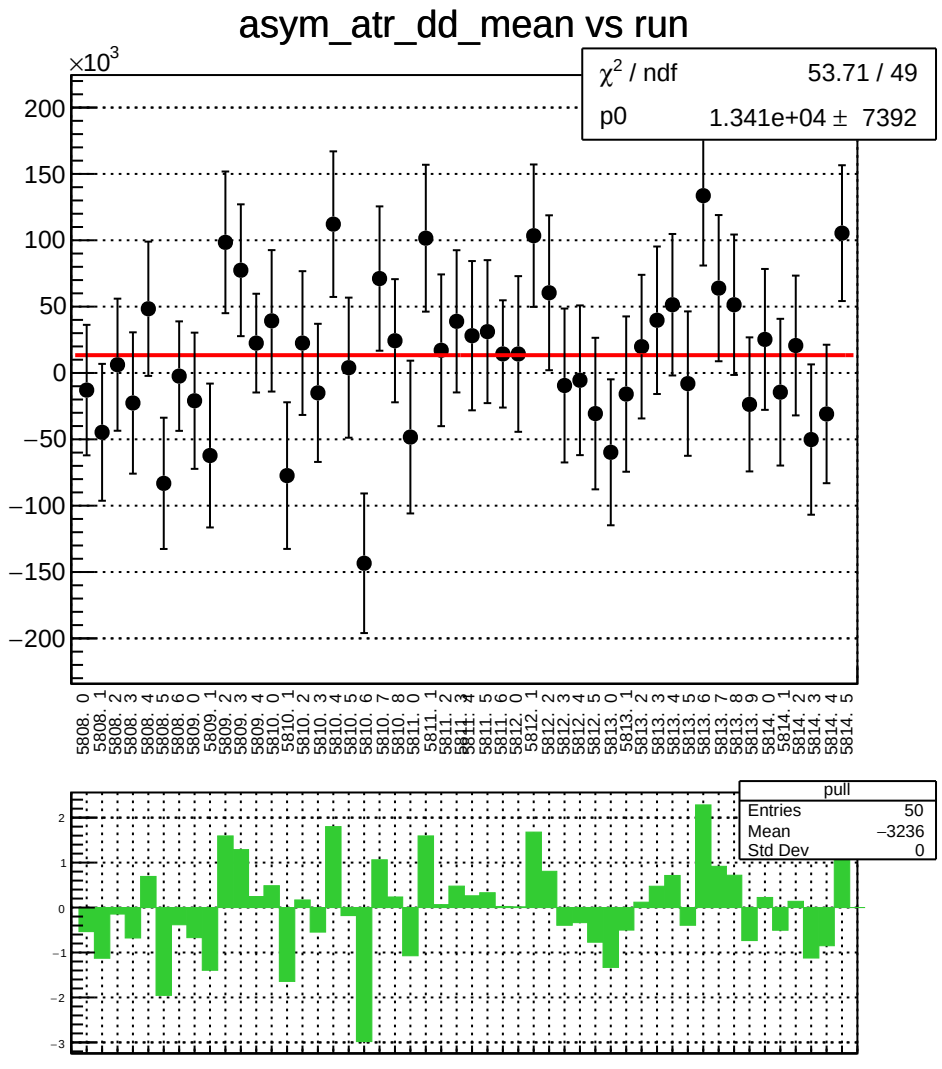

eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 52.24 / 49
p0 −3959 ± 2745
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 12.33
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.03143
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

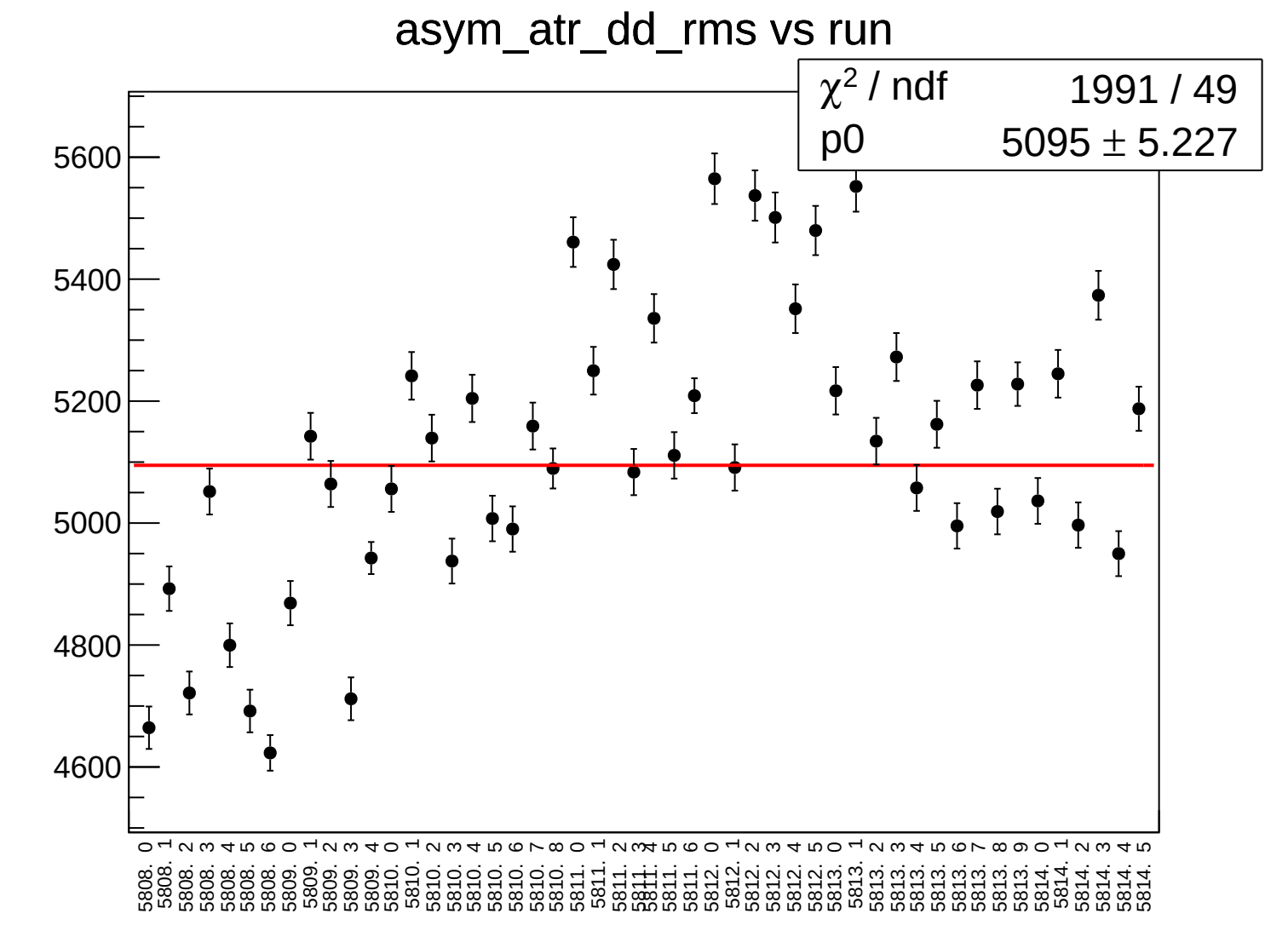

eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 28.87 / 49
p0 1894 ± 1.941
1930
1920
1910
1900
1890
1880
1870
1860
1850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

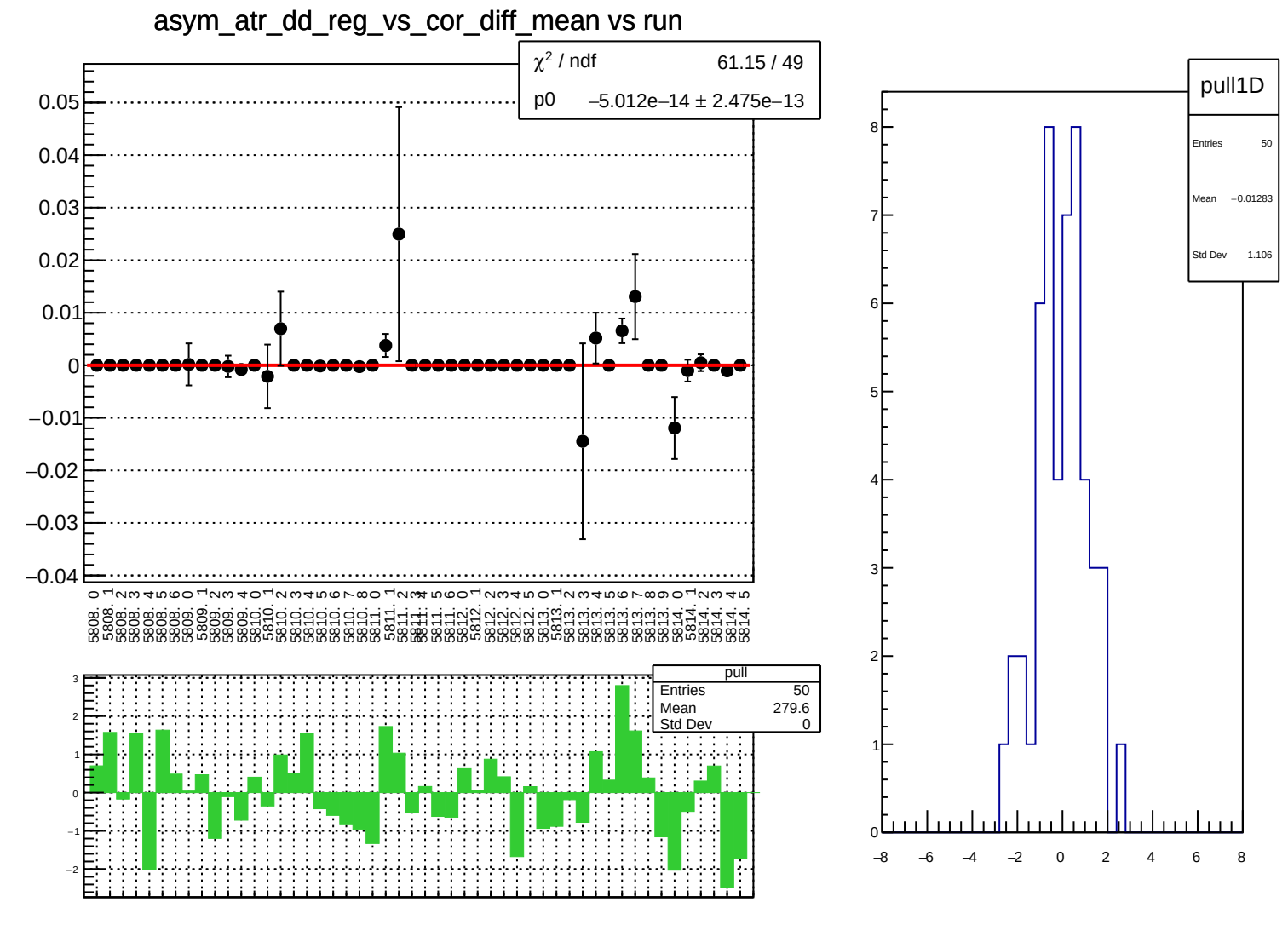

asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.55 / 49
p0 −1.696e+04 ± 7031
pull
Entries 50
Mean −320.9
Std Dev 0

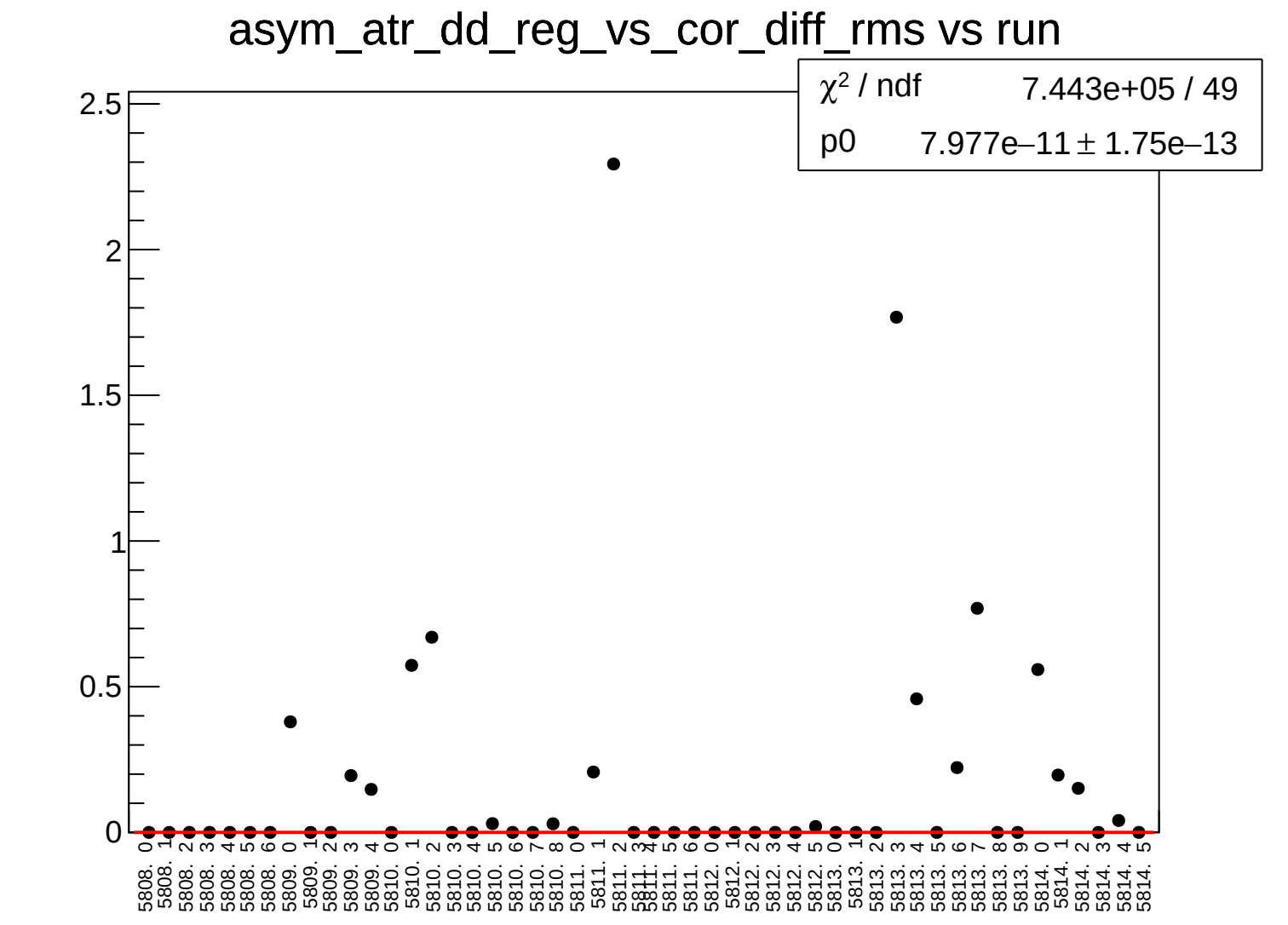

pull1D
Entries 50
Mean 0.008499
Std Dev 1.035


asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 4202 / 49
p0 4840 ± 4.971
5600
5400
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

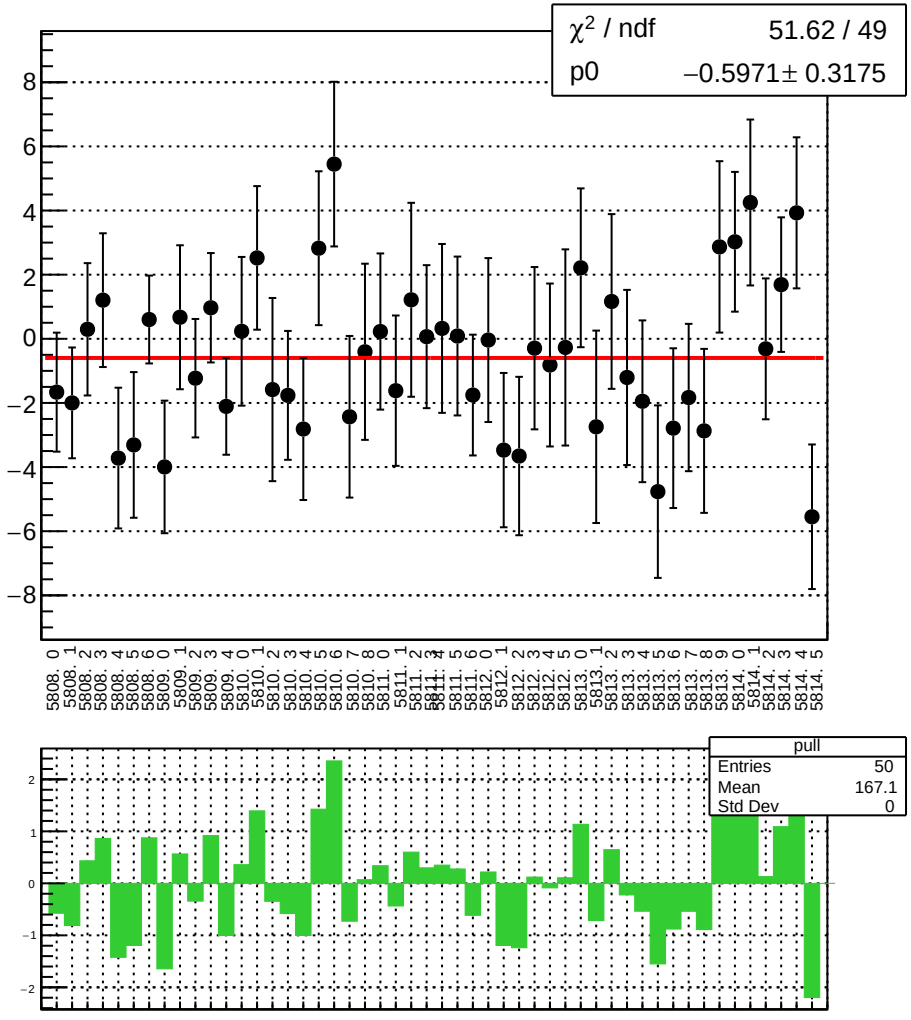

asym_atr_dd_mean vs run
×10^3
χ² / ndf 53.71 / 49
p0 1.341e+04 ± 7392
200
150
100
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −3236
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0007993
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

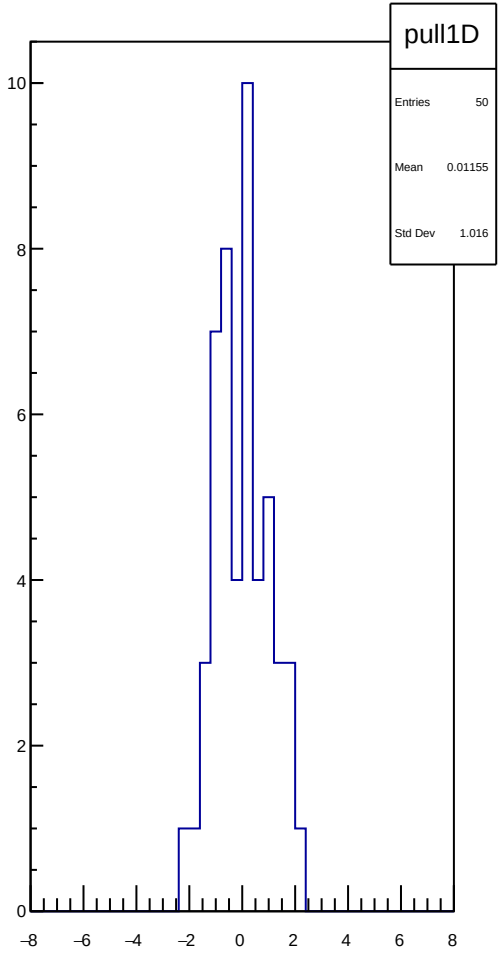

asym_atr_dd_rms vs run
χ² / ndf 1991 / 49
p0 5095 ± 5.227
5600
5400
5200
5000
4800
4600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

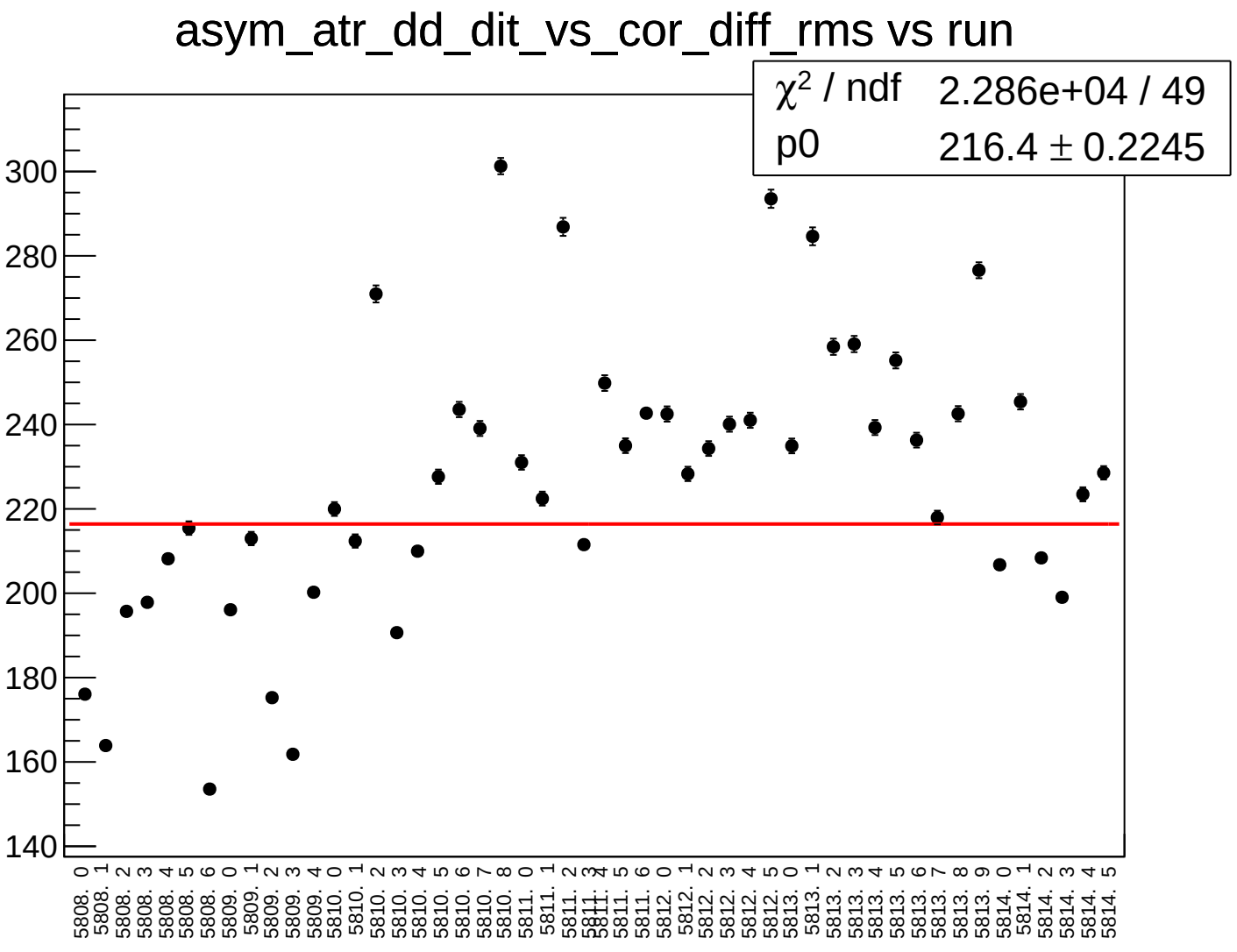

asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.15 / 49
p0 −5.012e−14 ± 2.475e−13
pull
Entries 50
Mean 279.6
Std Dev 0
pull1D
Entries 50
Mean −0.01283
Std Dev 1.106

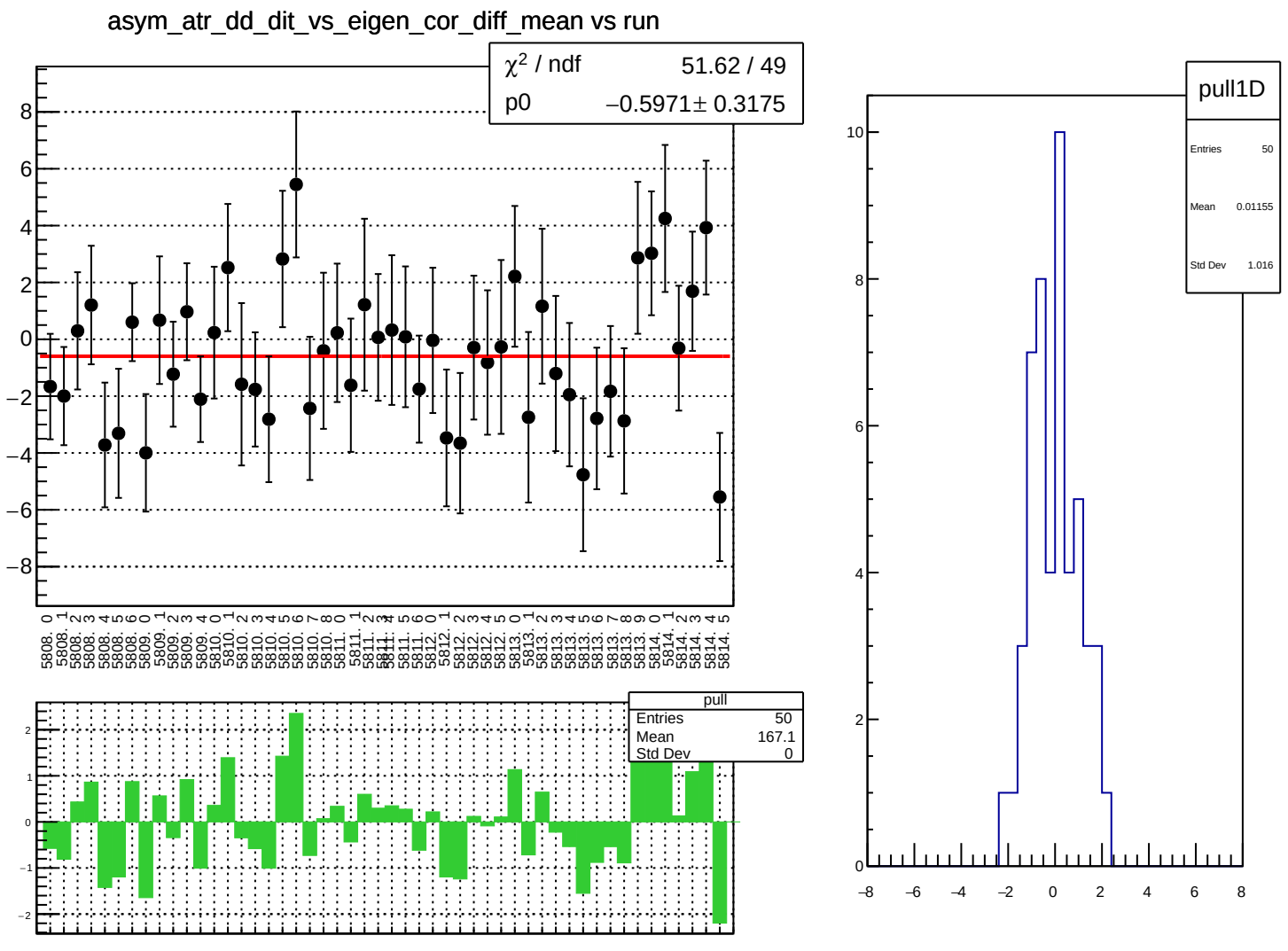

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 7.443e+05 / 49
p0 7.977e−11 ± 1.75e−13
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

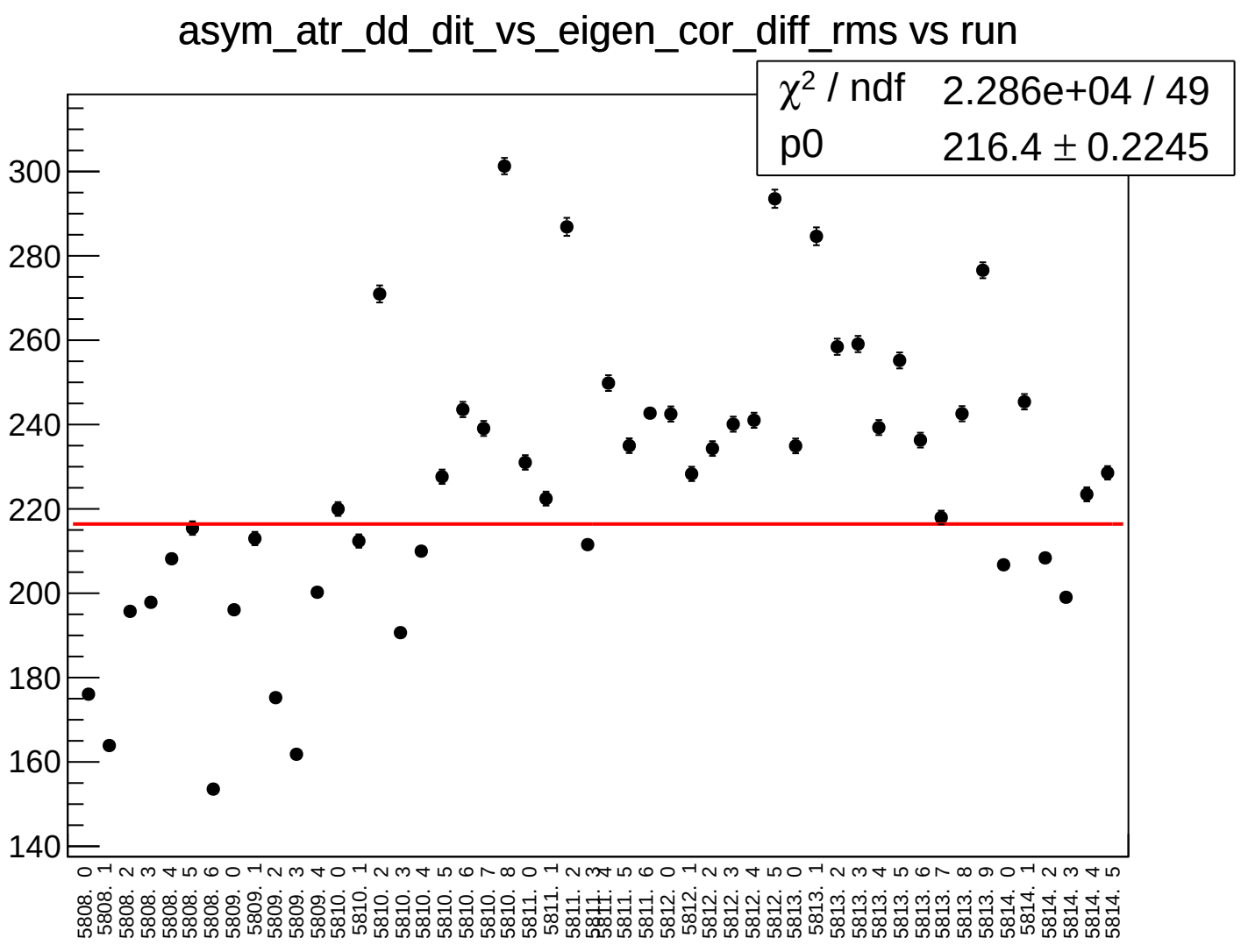
asym_atr_dd_dit_vs_cor_diff_mean vs run

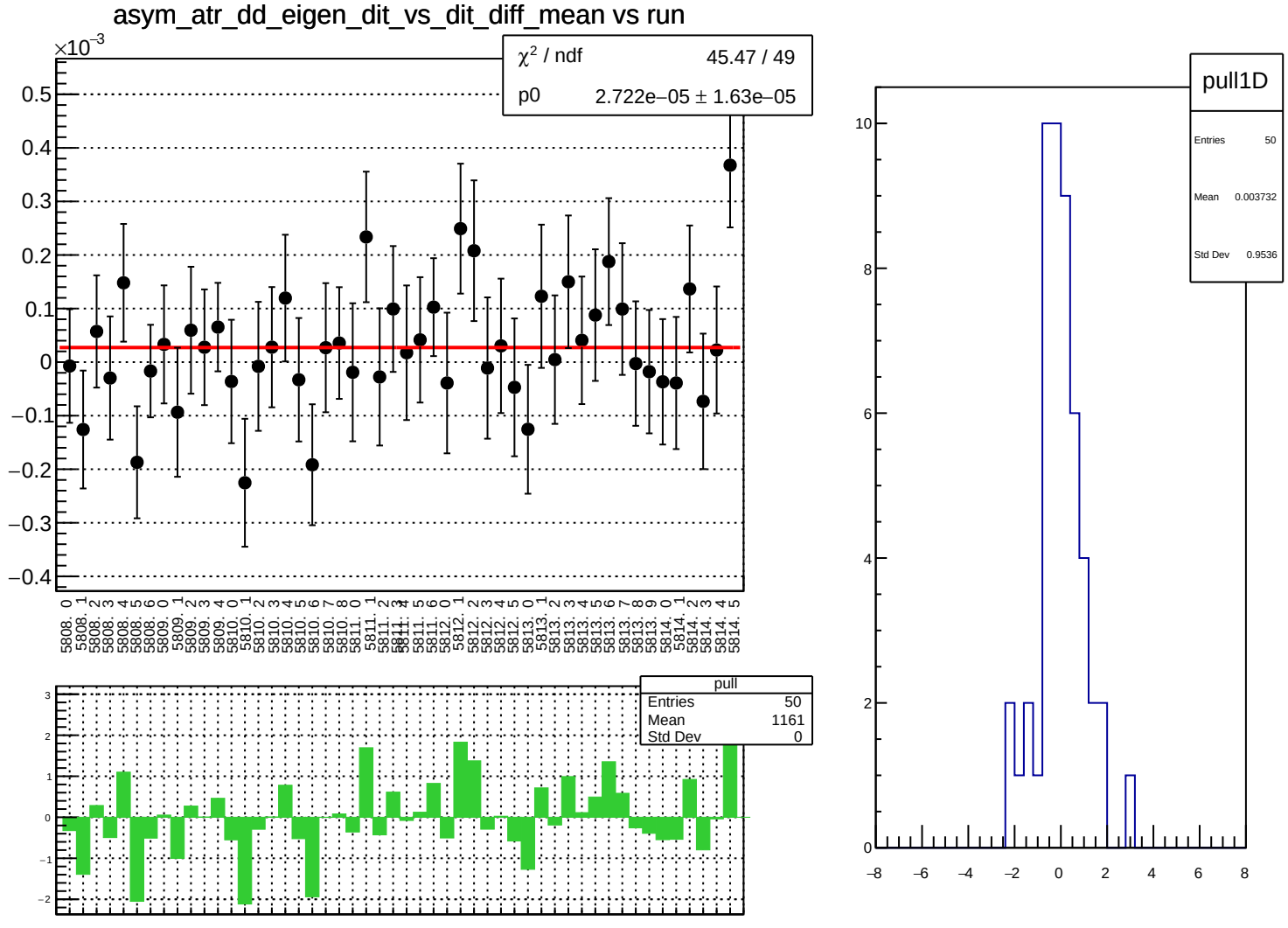


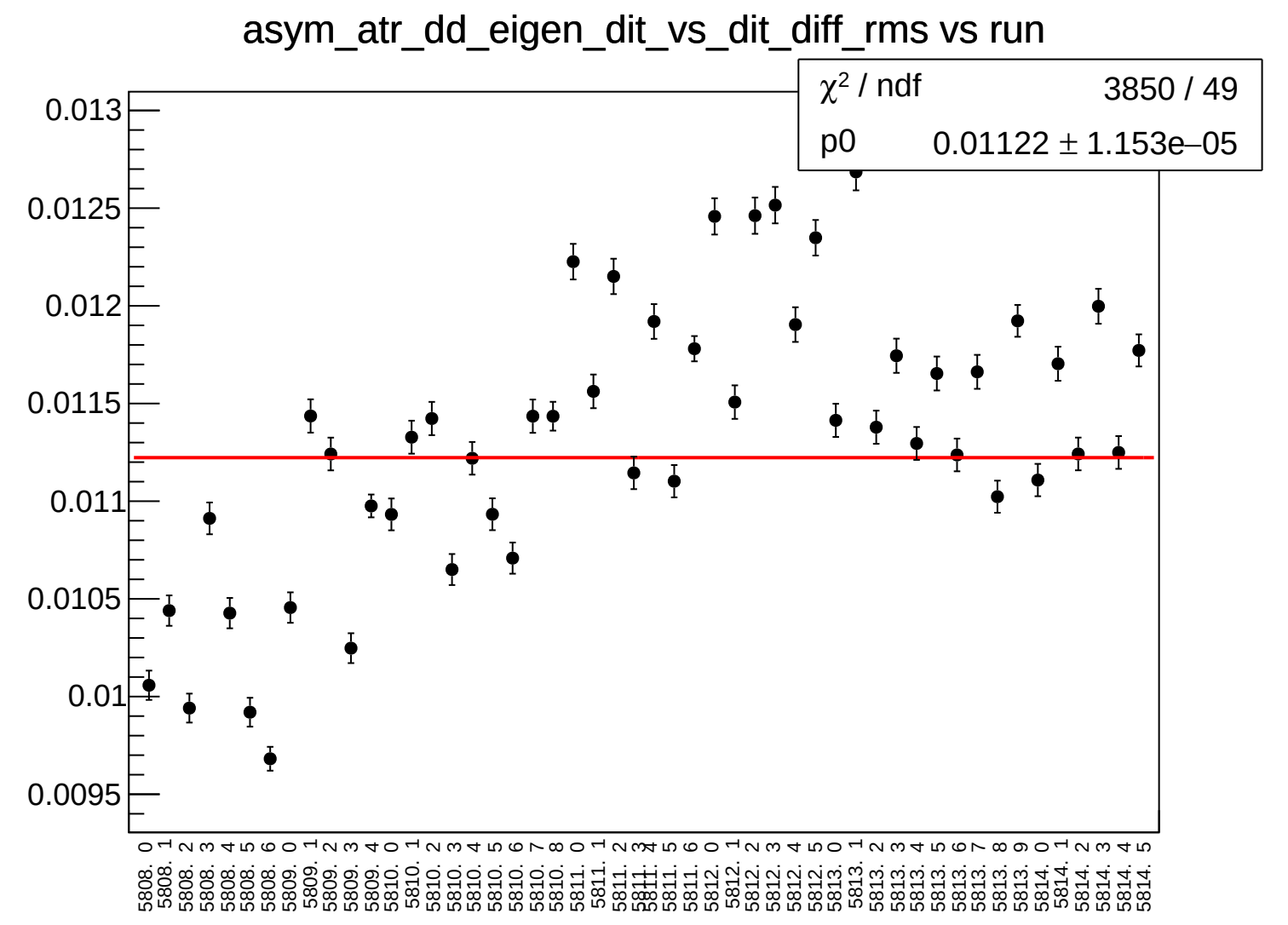



asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.286e+04 / 49
p0 216.4 ± 0.2245
300
280
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

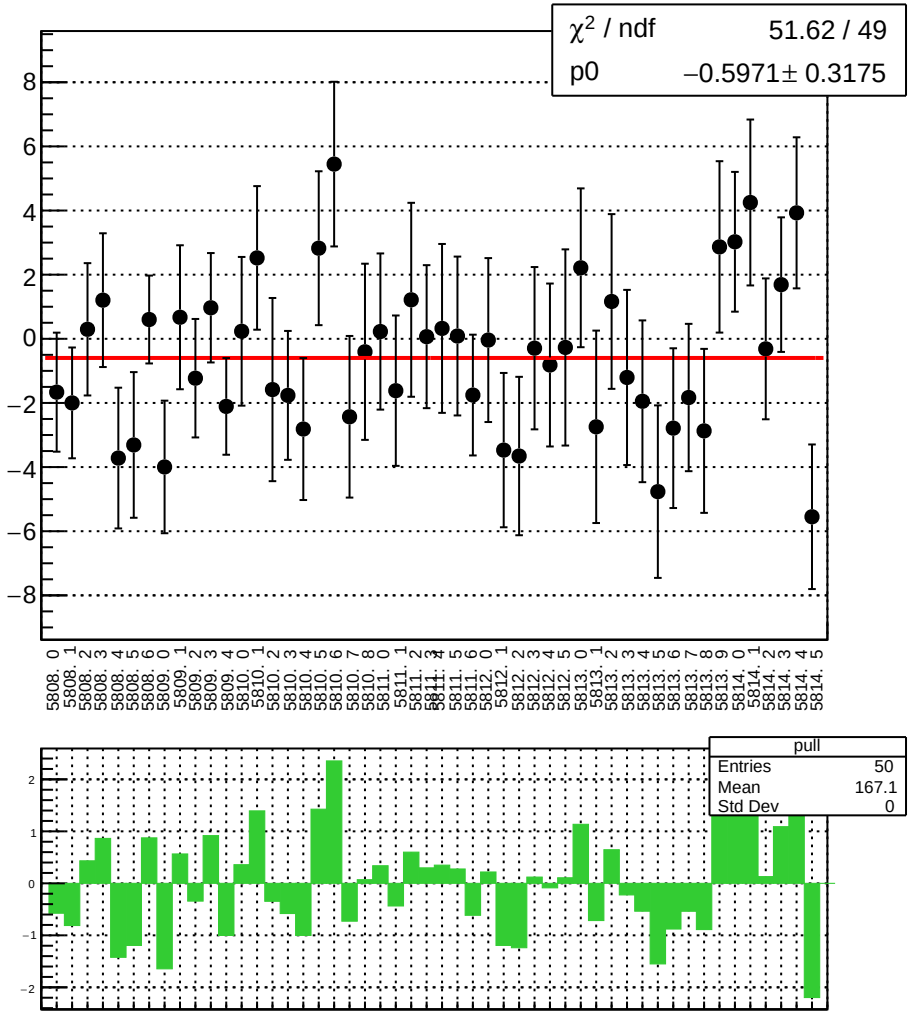

asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.62 / 49
p0 −0.5971± 0.3175
pull
Entries 50
Mean 167.1
Std Dev 0
pull1D
Entries 50
Mean 0.01155
Std Dev 1.016

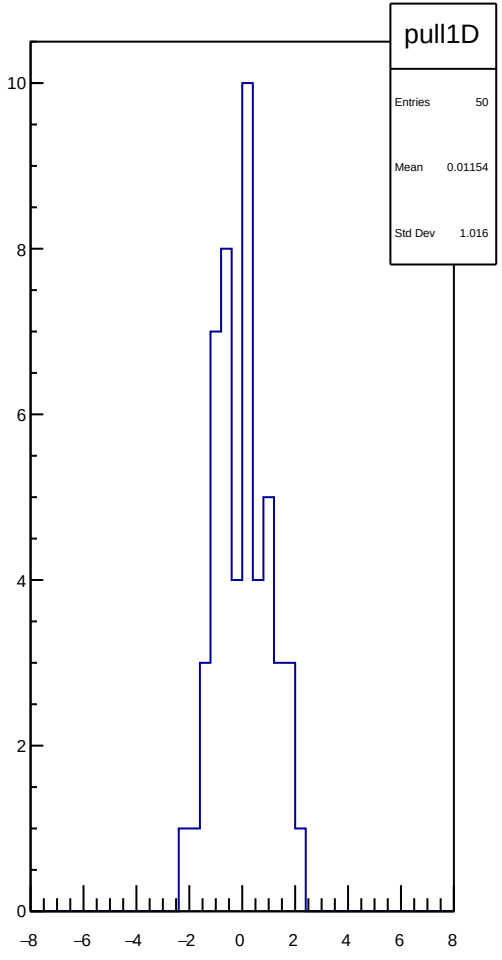

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.286e+04 / 49
p0 216.4 ± 0.2245
300
280
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

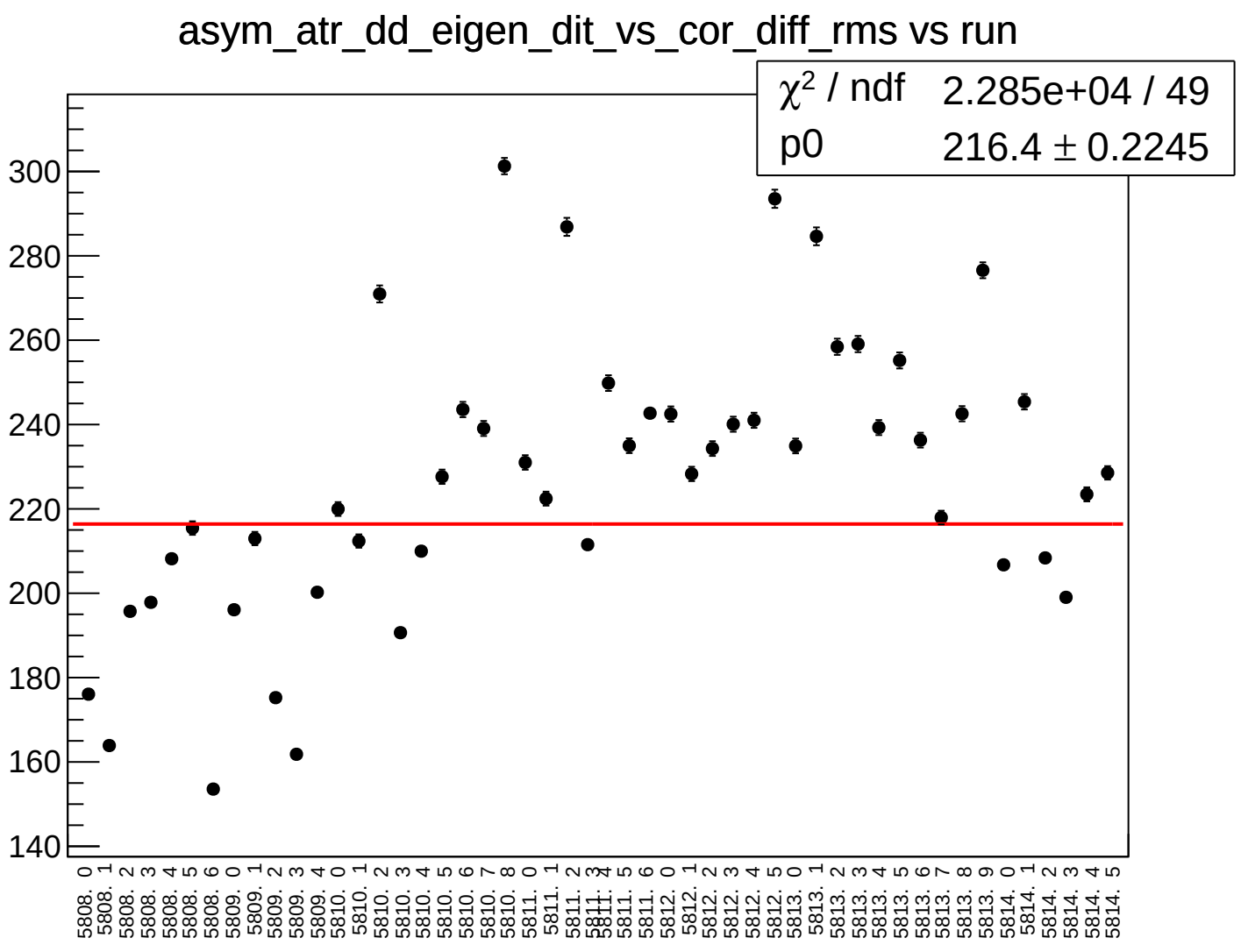

asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.47 / 49
p0 2.722e−05 ± 1.63e−05
pull
Entries 50
Mean 1161
Std Dev 0
pull1D
Entries 50
Mean 0.003732
Std Dev 0.9536

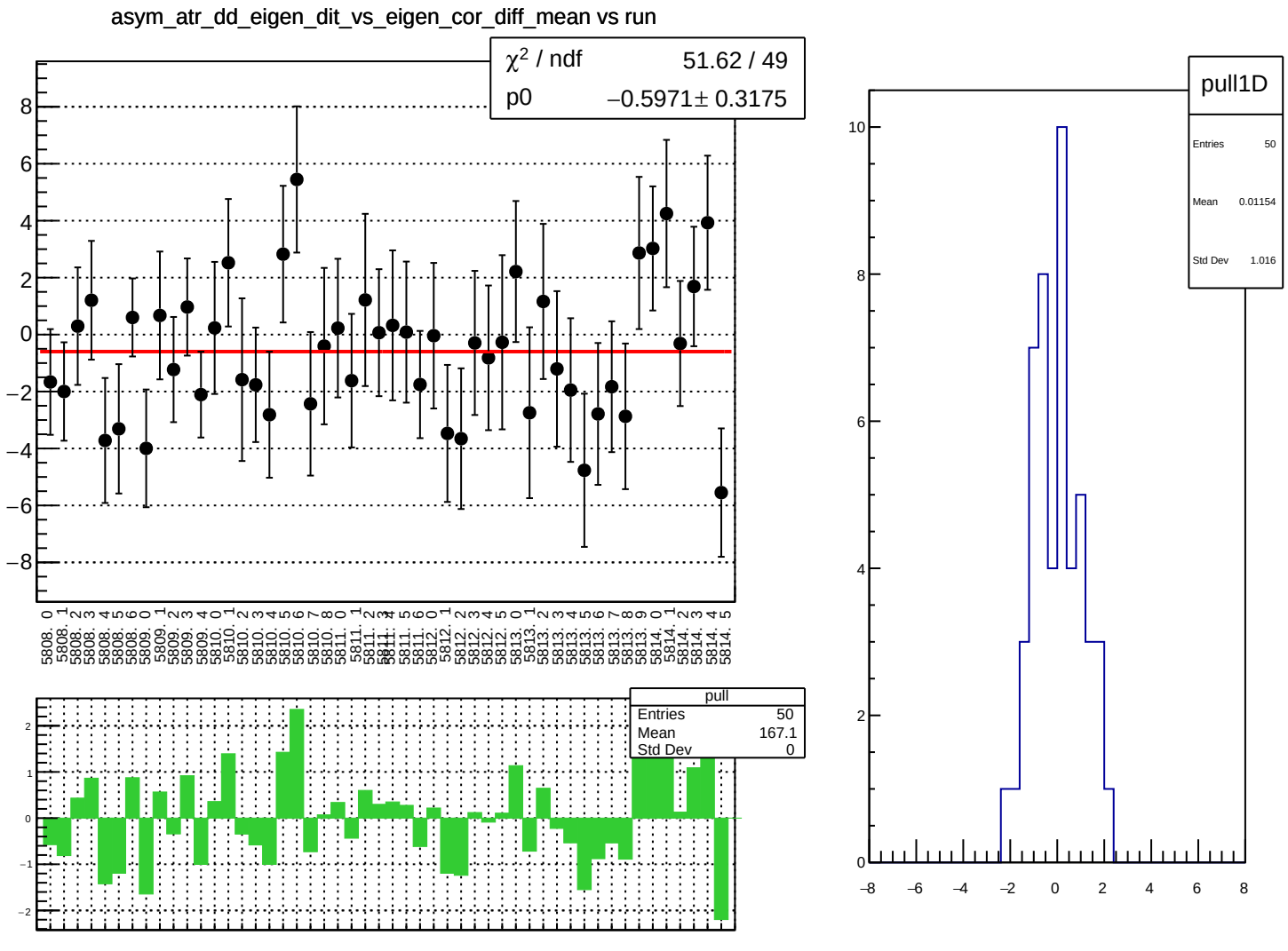

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3850 / 49
p0 0.01122 ± 1.153e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

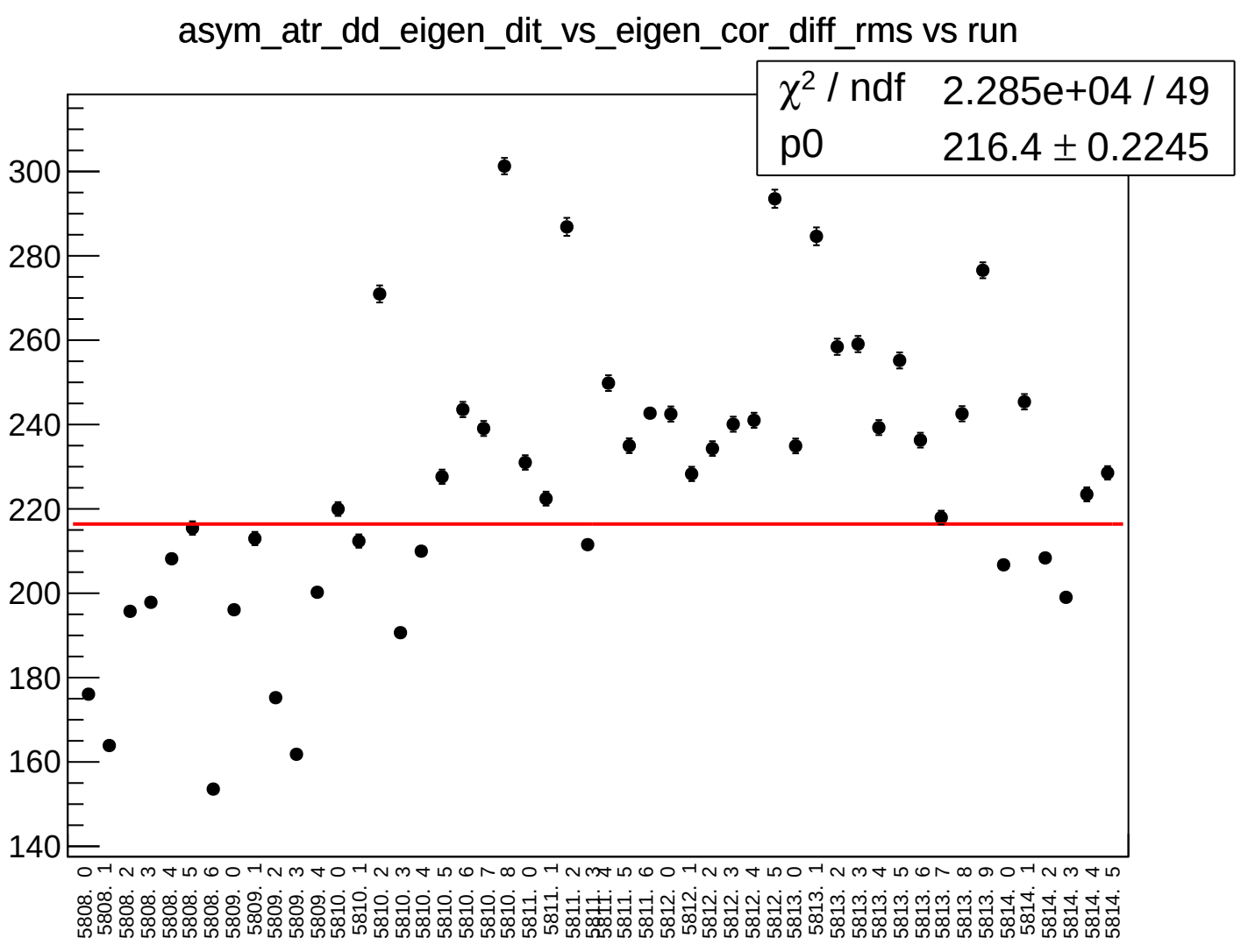
asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run

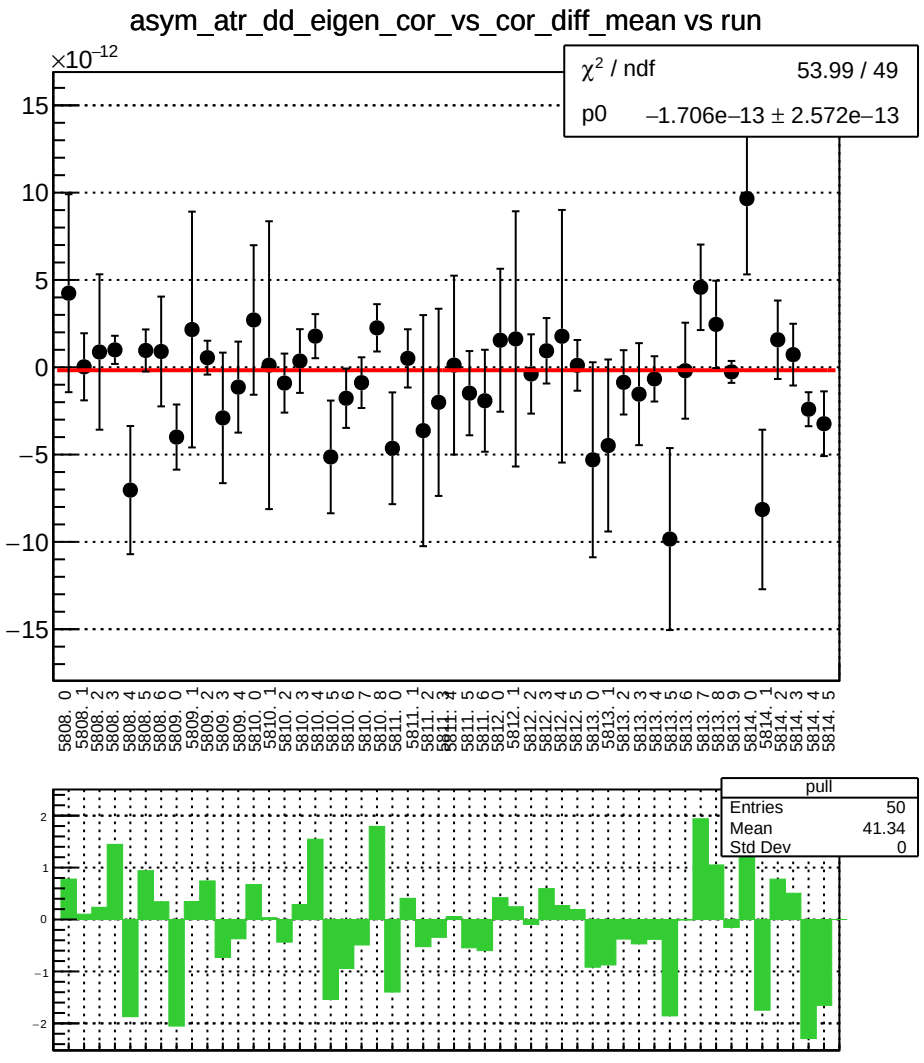


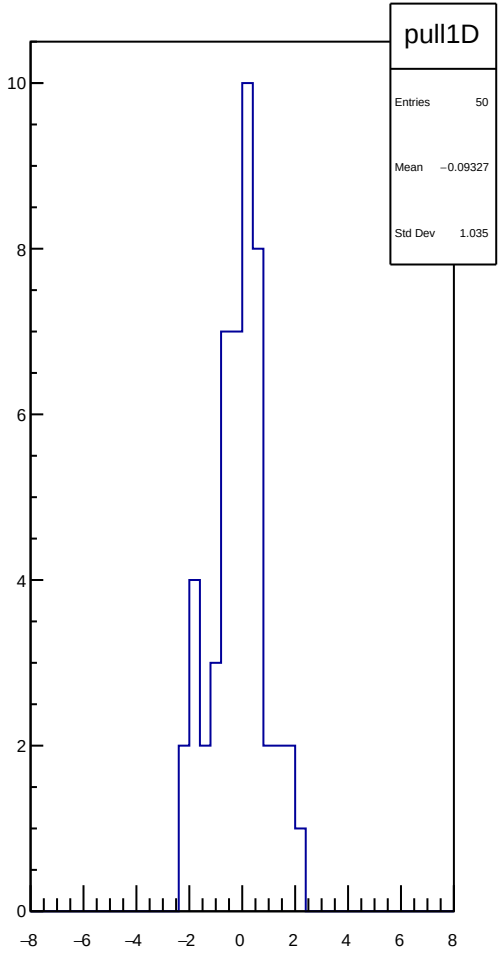


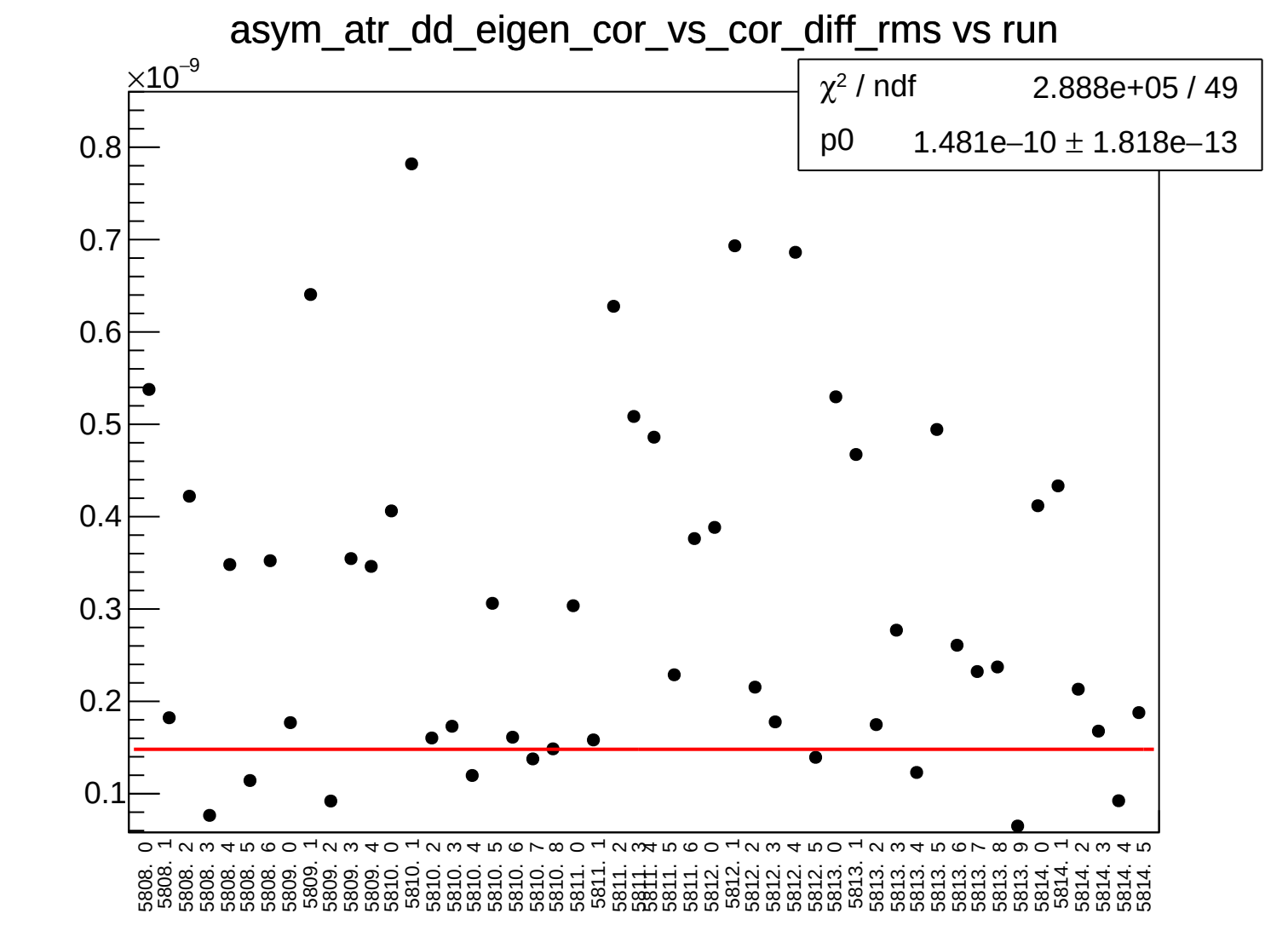

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.285e+04 / 49
p0 216.4 ± 0.2245
300
280
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

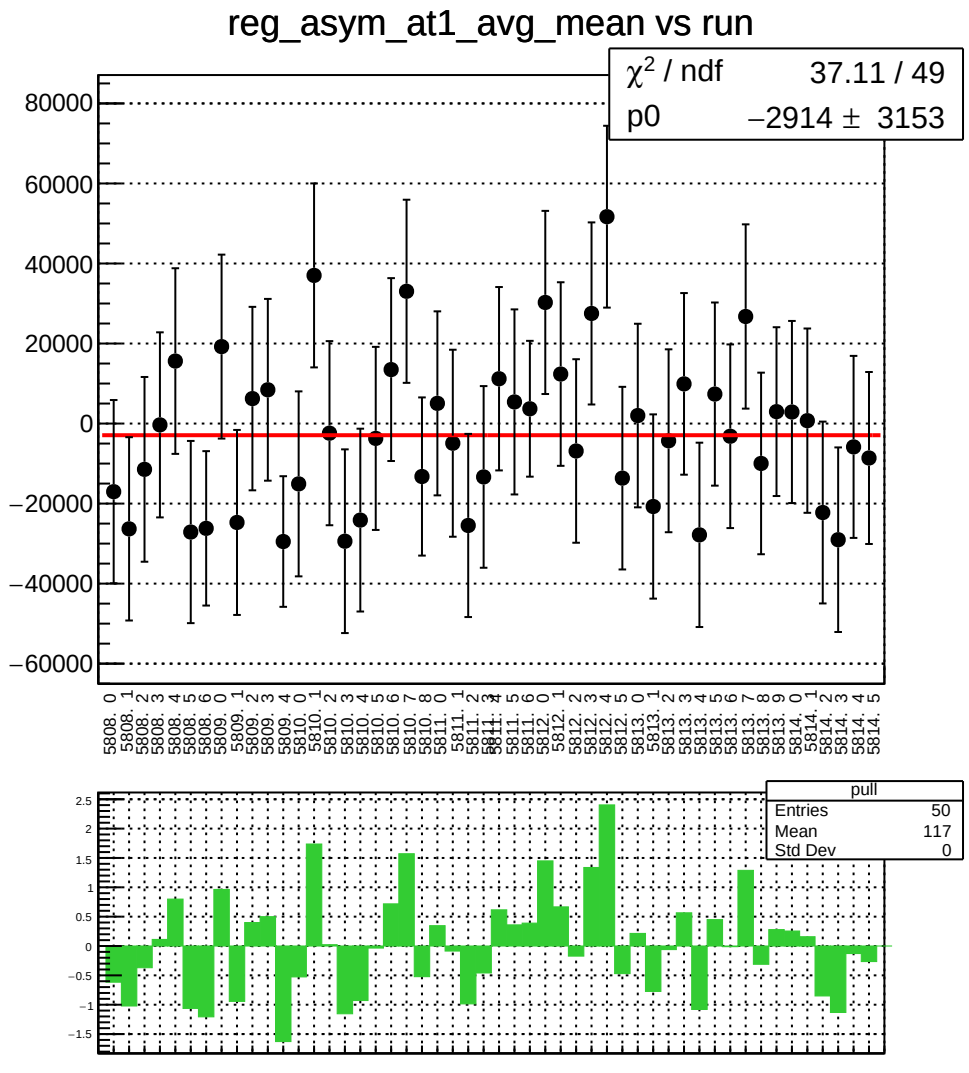

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.62 / 49
p0 −0.5971± 0.3175
pull
Entries 50
Mean 167.1
Std Dev 0
pull1D
Entries 50
Mean 0.01154
Std Dev 1.016

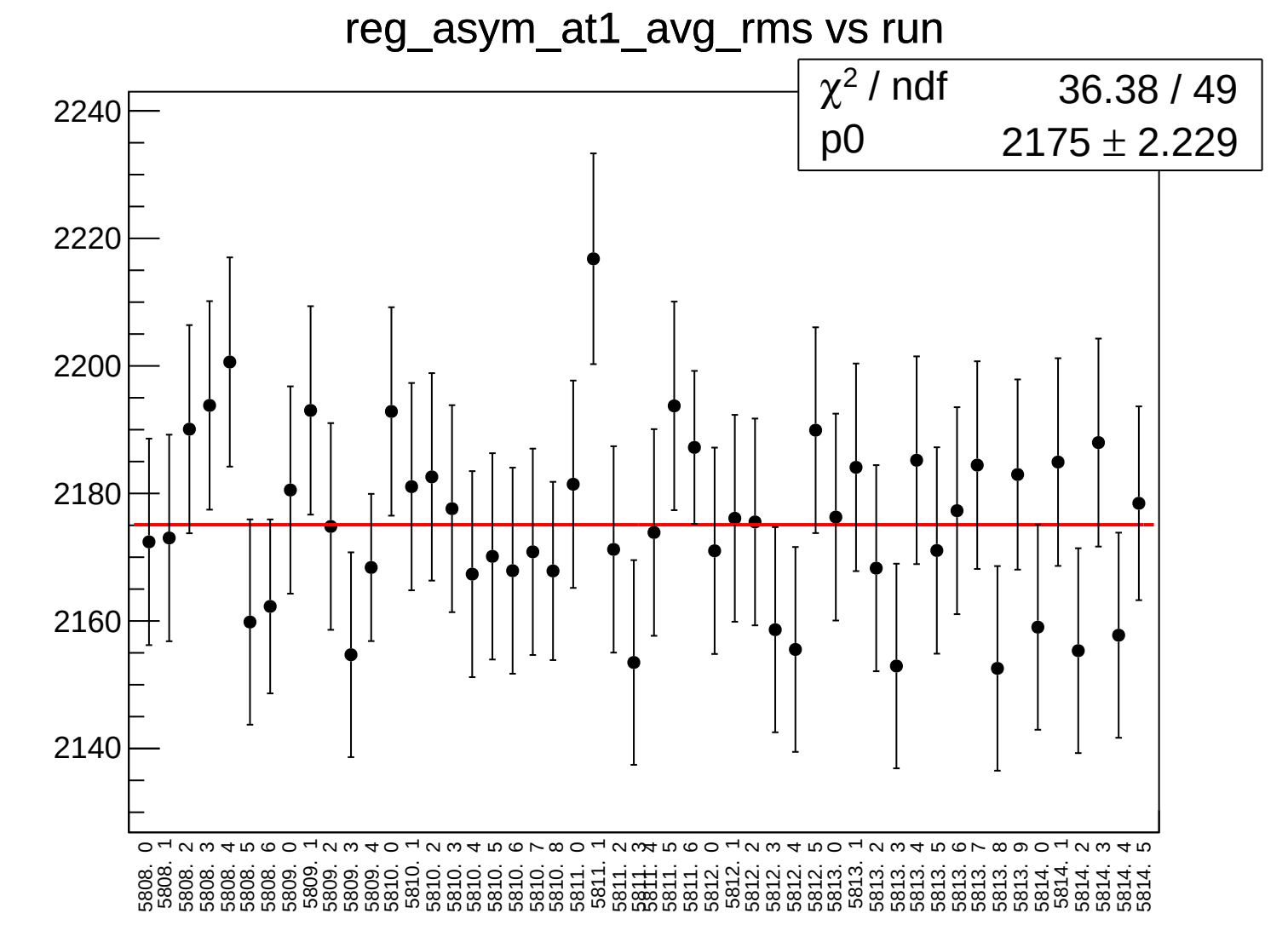

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.285e+04 / 49
p0 216.4 ± 0.2245
300
280
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

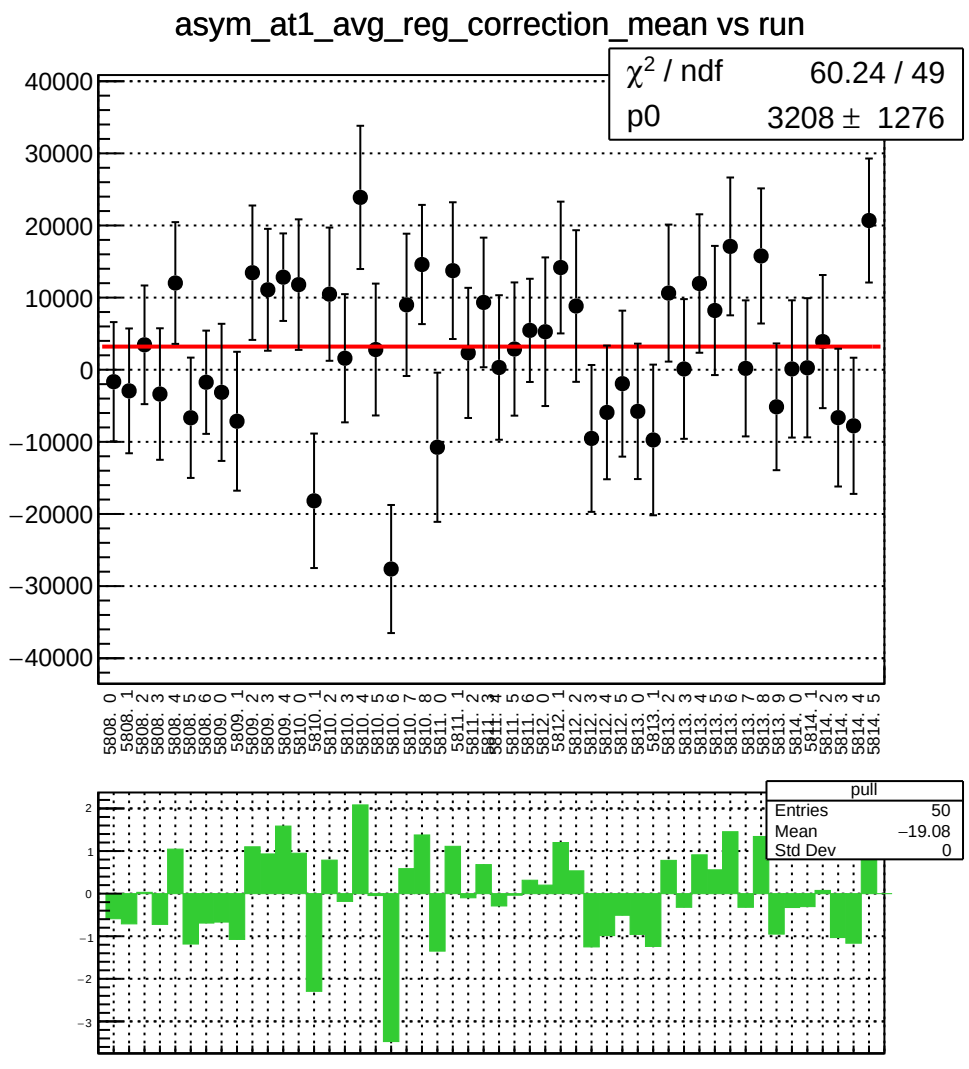

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.99 / 49
p0 −1.706e−13 ± 2.572e−13
pull
Entries 50
Mean 41.34
Std Dev 0

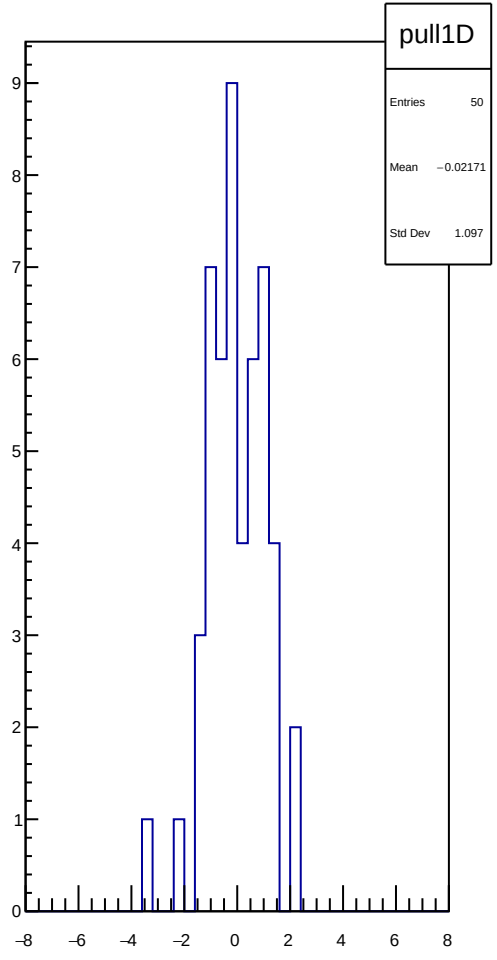

pull1D
Entries 50
Mean −0.09327
Std Dev 1.035

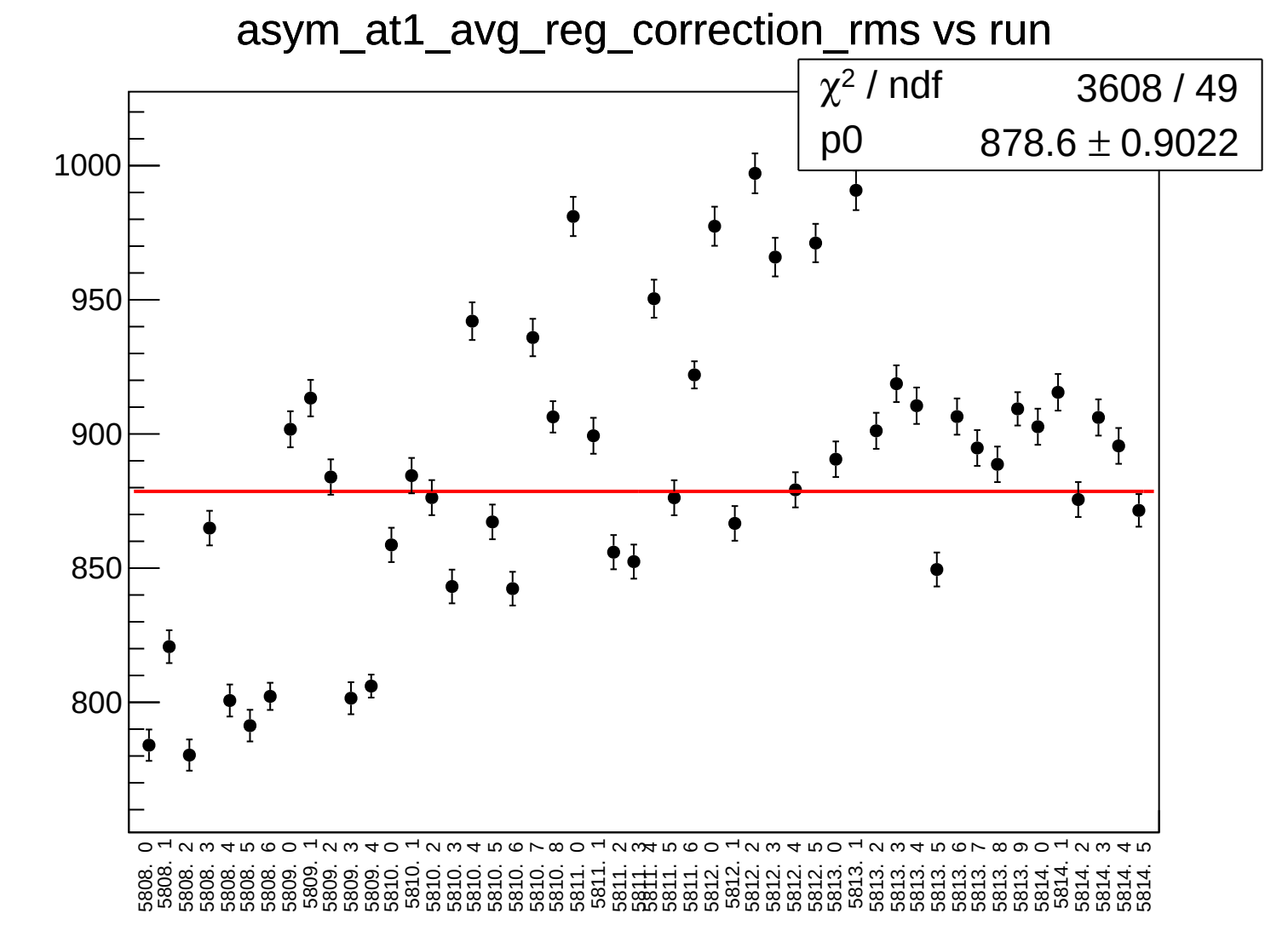

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.888e+05 / 49
p0 1.481e−10 ± 1.818e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_at1_avg_mean vs run
χ² / ndf 37.11 / 49
p0 −2914 ± 3153
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 117
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01603
Std Dev 0.8613
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_rms vs run
χ² / ndf 36.38 / 49
p0 2175 ± 2.229
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_reg_correction_mean vs run
χ² / ndf 60.24 / 49
p0 3208 ± 1276
pull
Entries 50
Mean −19.08
Std Dev 0


pull1D
Entries 50
Mean −0.02171
Std Dev 1.097


asym_at1_avg_reg_correction_rms vs run
χ² / ndf 3608 / 49
p0 878.6 ± 0.9022
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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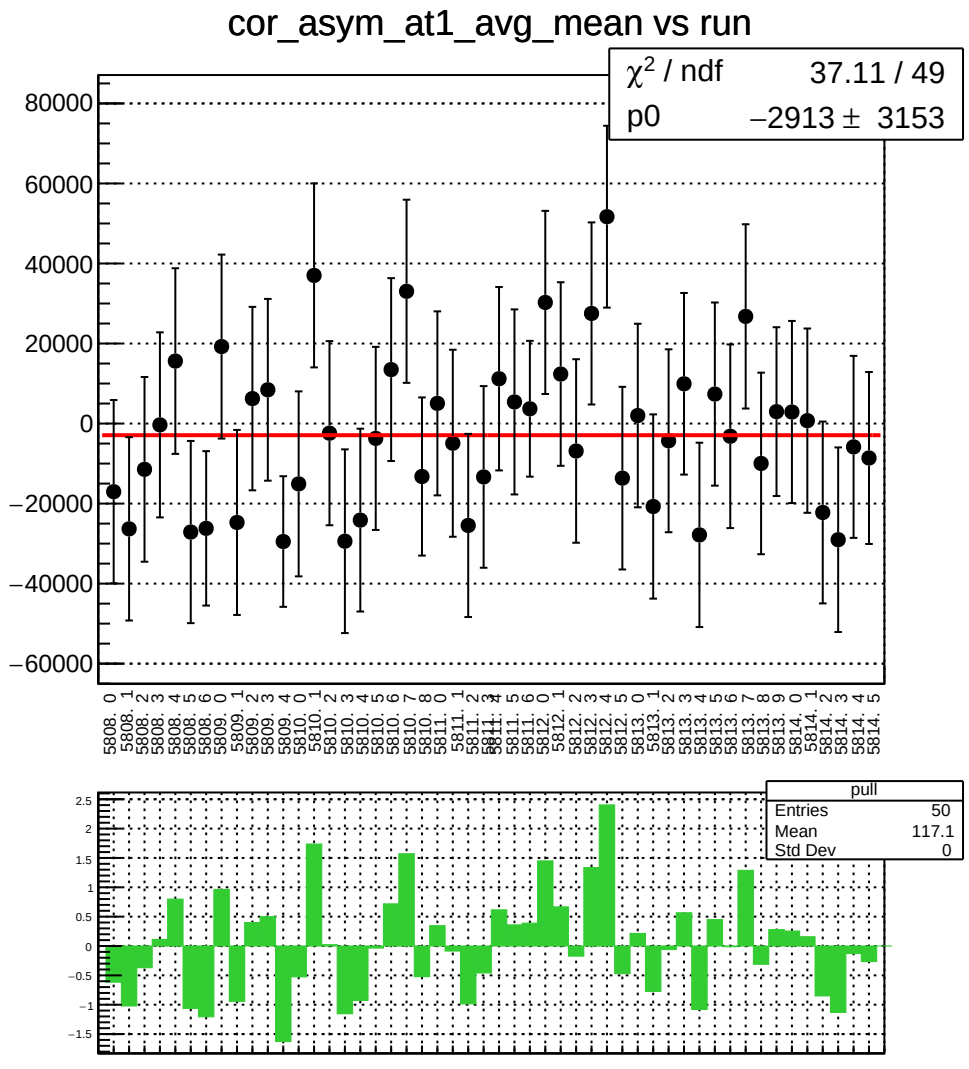
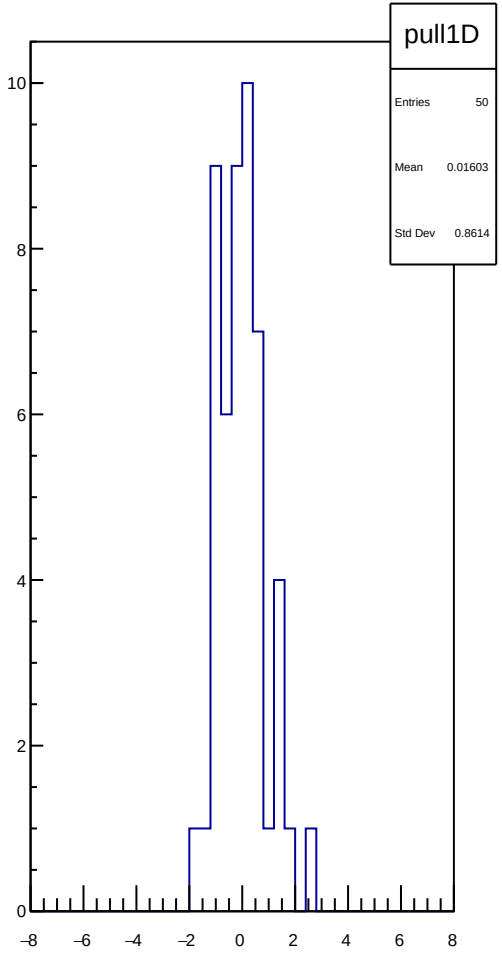
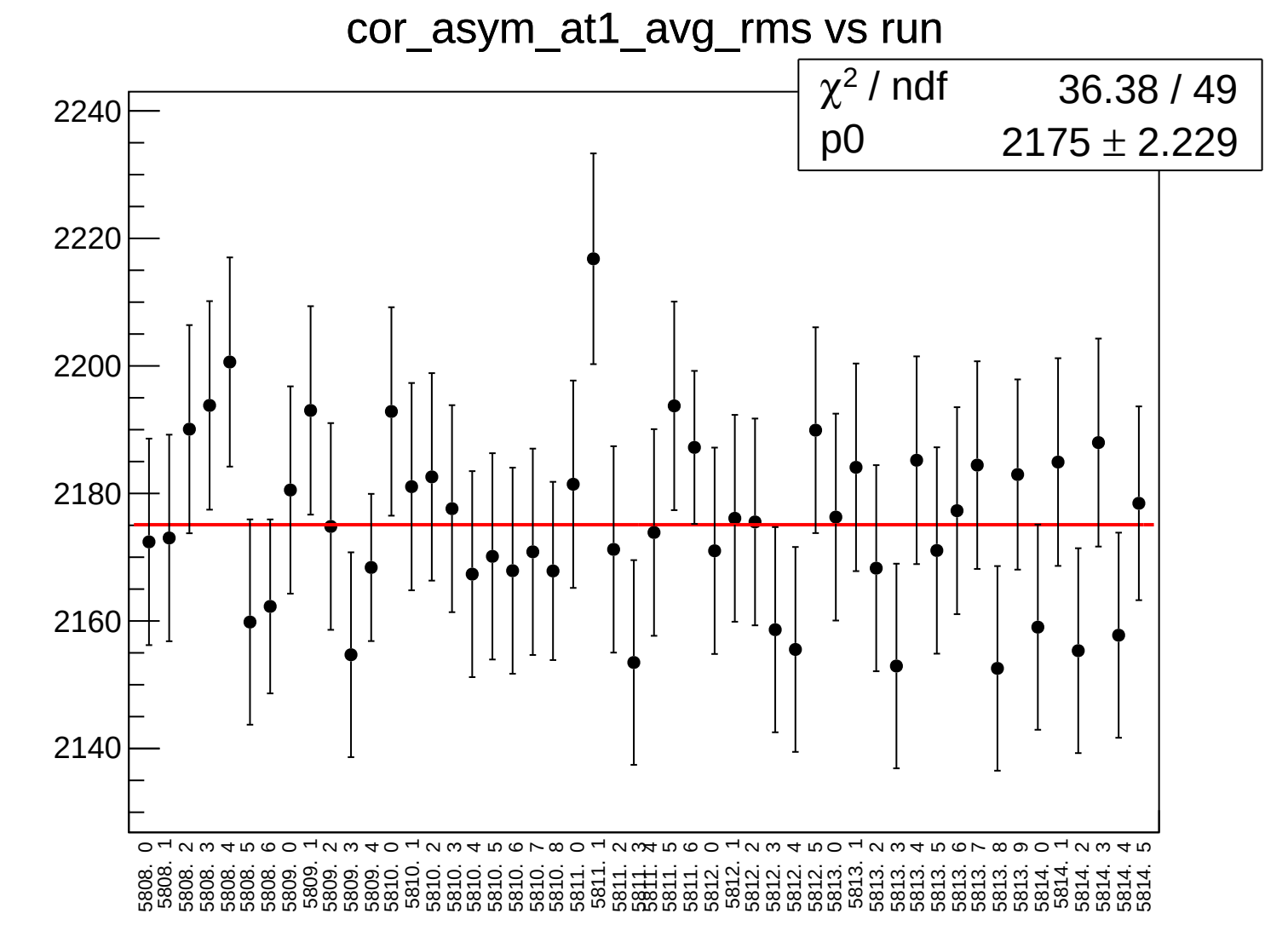
5814. 5


cor_asym_at1_avg_mean vs run
χ² / ndf 37.11 / 49
p0 −2913 ± 3153
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 117.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean 0.01603
Std Dev 0.8614
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at1_avg_rms vs run
χ² / ndf 36.38 / 49
p0 2175 ± 2.229
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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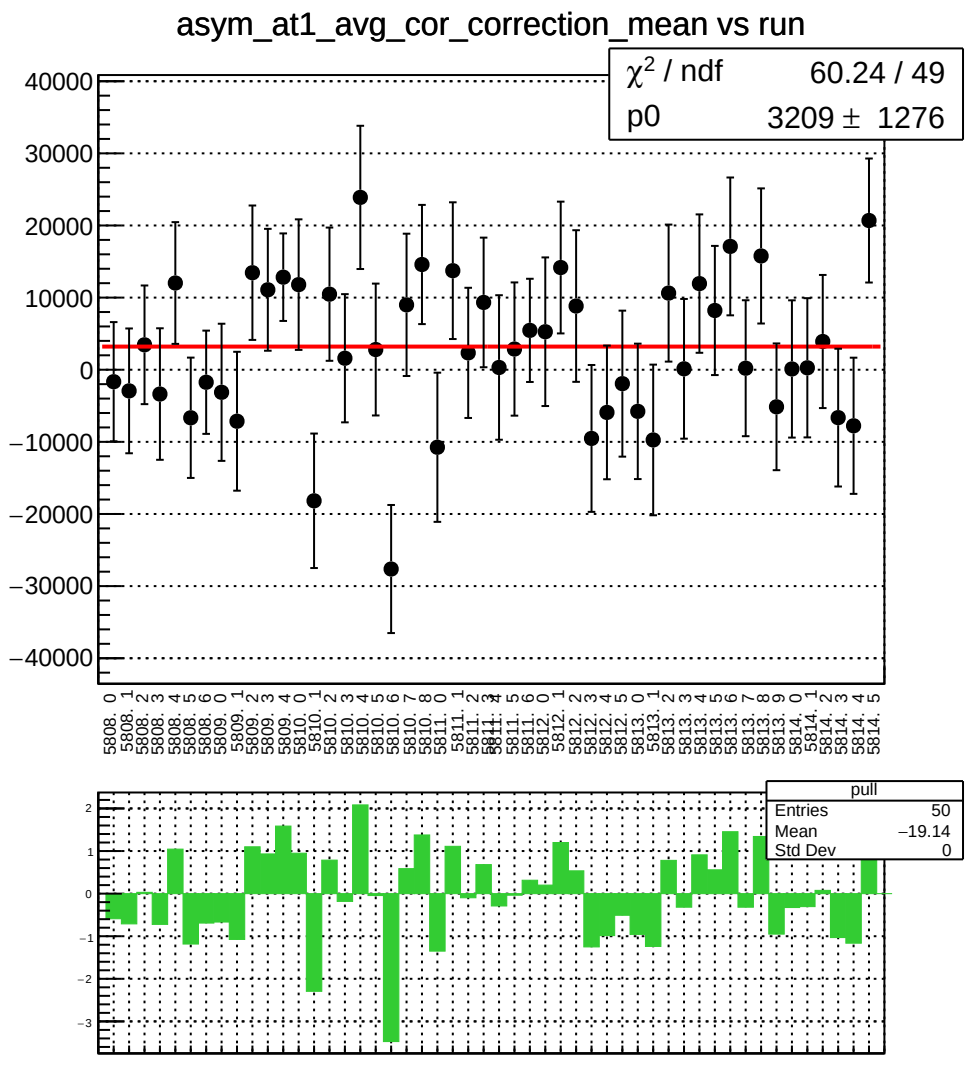
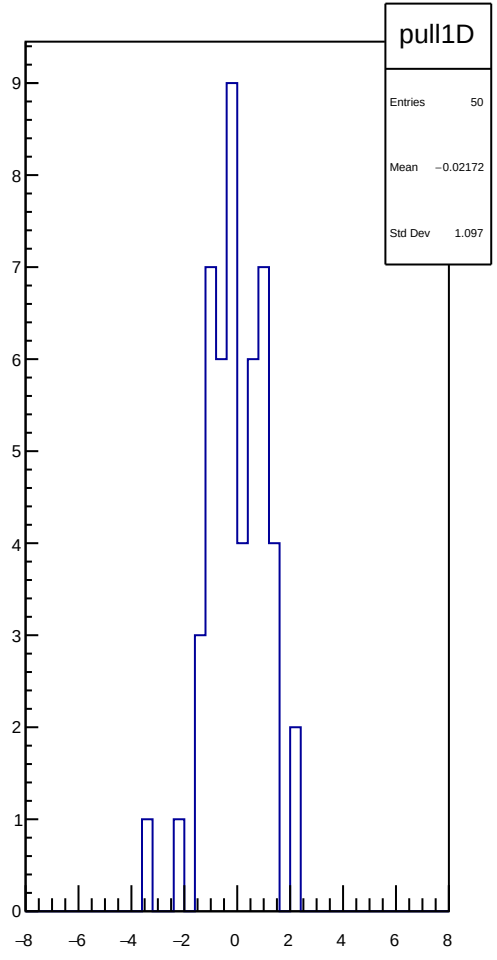
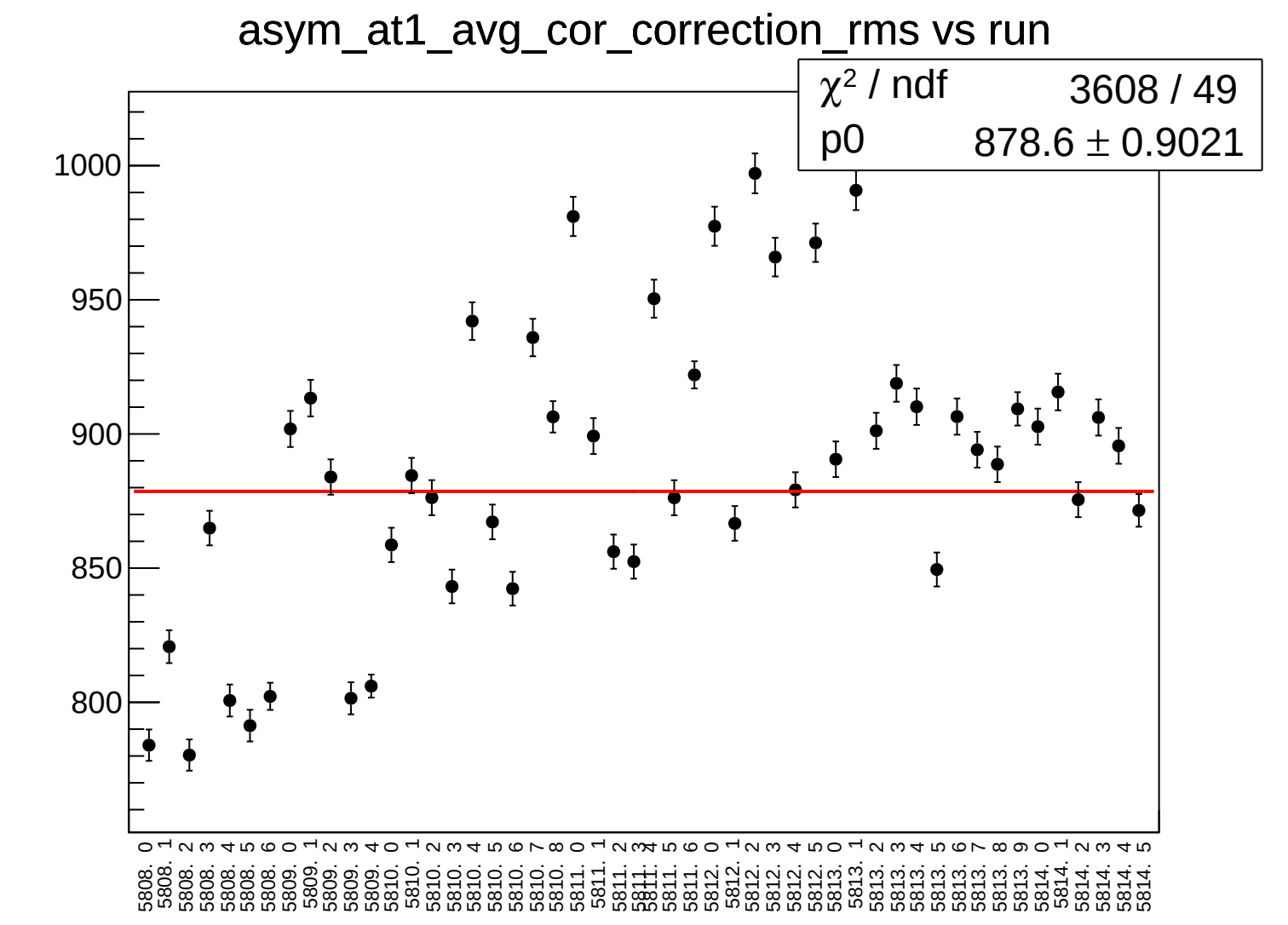
5814. 4
5814. 5


asym_at1_avg_cor_correction_mean vs run
χ² / ndf 60.24 / 49
p0 3209 ± 1276
pull
Entries 50
Mean −19.14
Std Dev 0


pull1D
Entries 50
Mean −0.02172
Std Dev 1.097


asym_at1_avg_cor_correction_rms vs run
χ² / ndf 3608 / 49
p0 878.6 ± 0.9021
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5814. 0
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5814. 2
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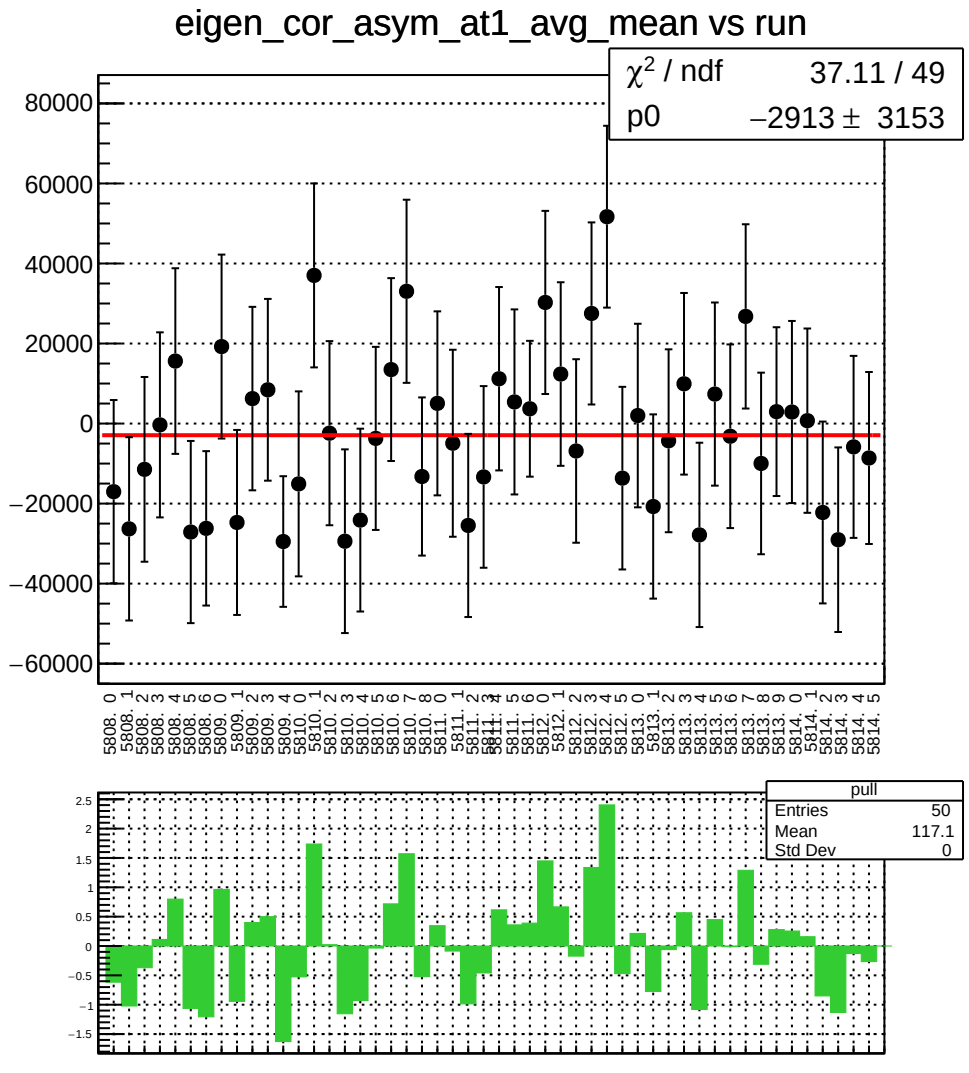
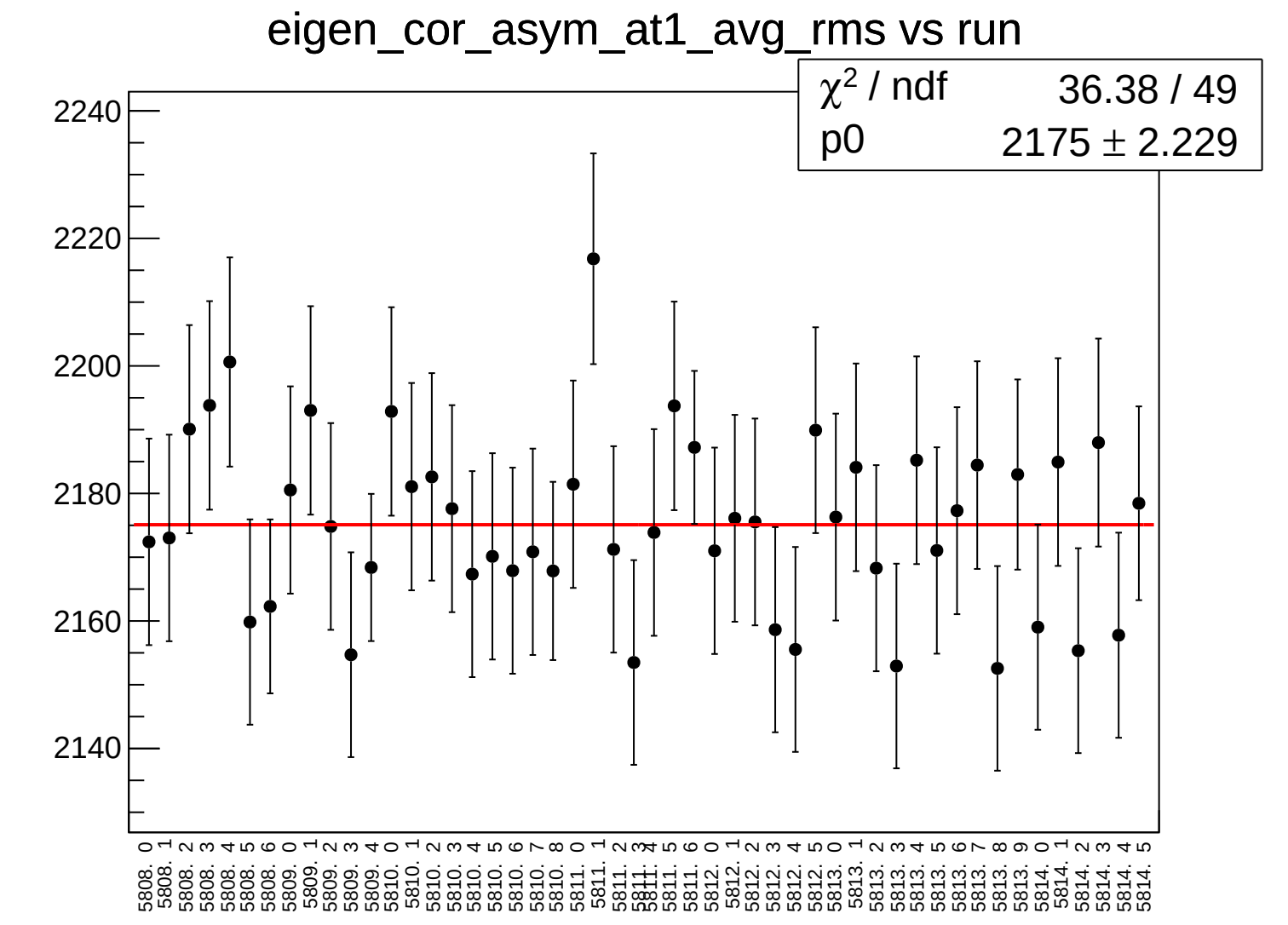
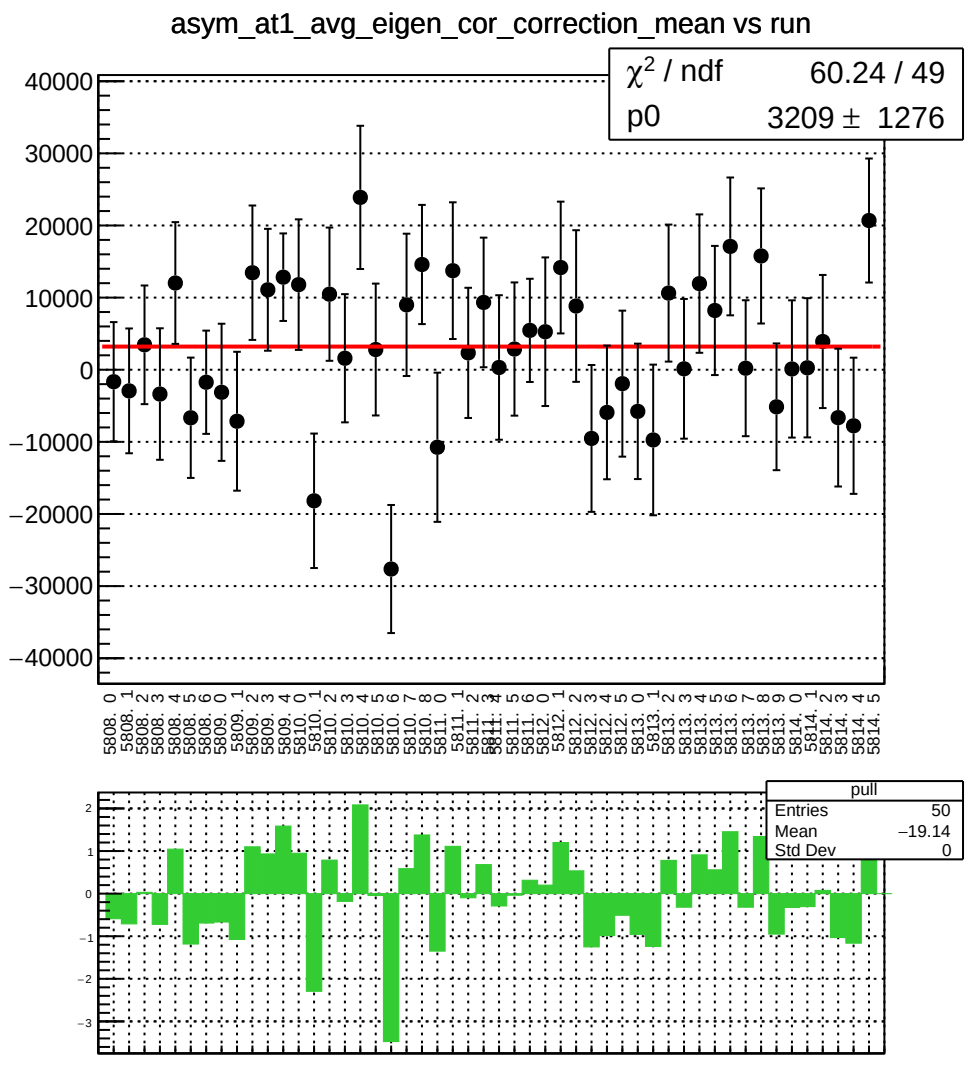
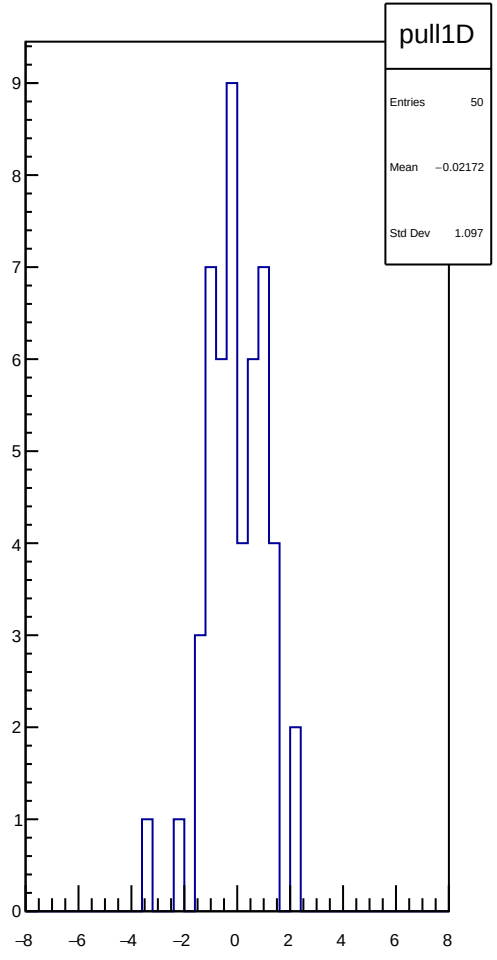
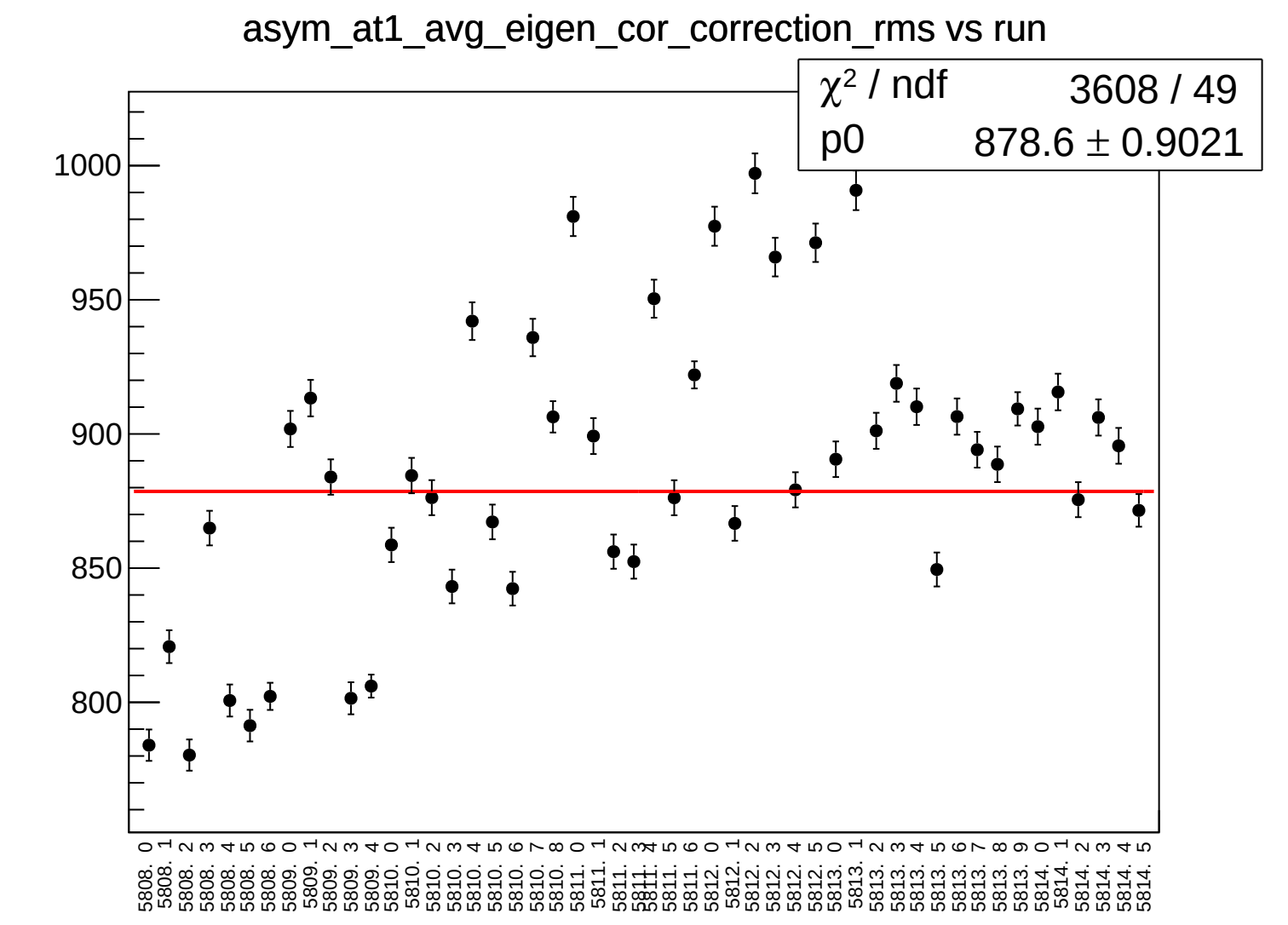
5814. 4
5814. 5


eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 37.11 / 49
p0 −2913 ± 3153
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 117.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01603
Std Dev 0.8614
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 36.38 / 49
p0 2175 ± 2.229
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 60.24 / 49
p0 3209 ± 1276
pull
Entries 50
Mean −19.14
Std Dev 0


pull1D
Entries 50
Mean −0.02172
Std Dev 1.097


asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3608 / 49
p0 878.6 ± 0.9021
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
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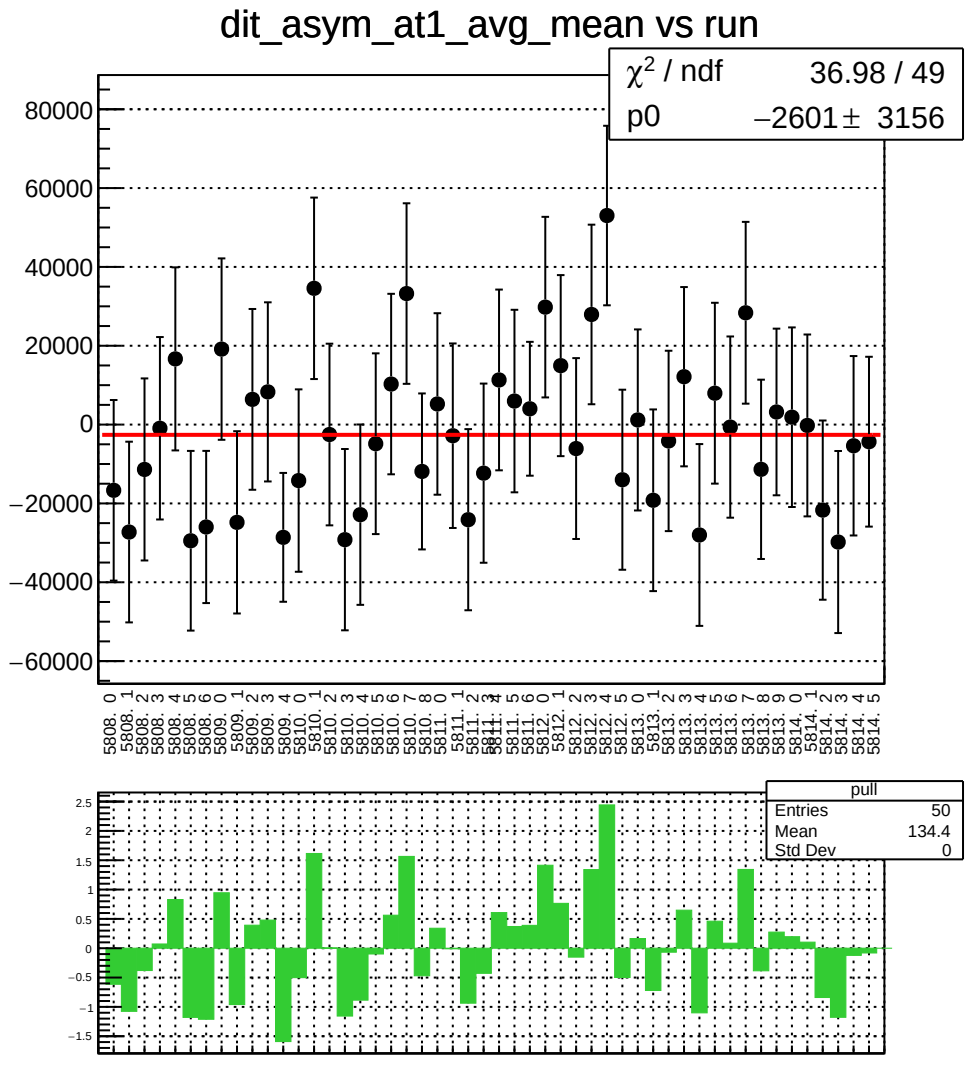
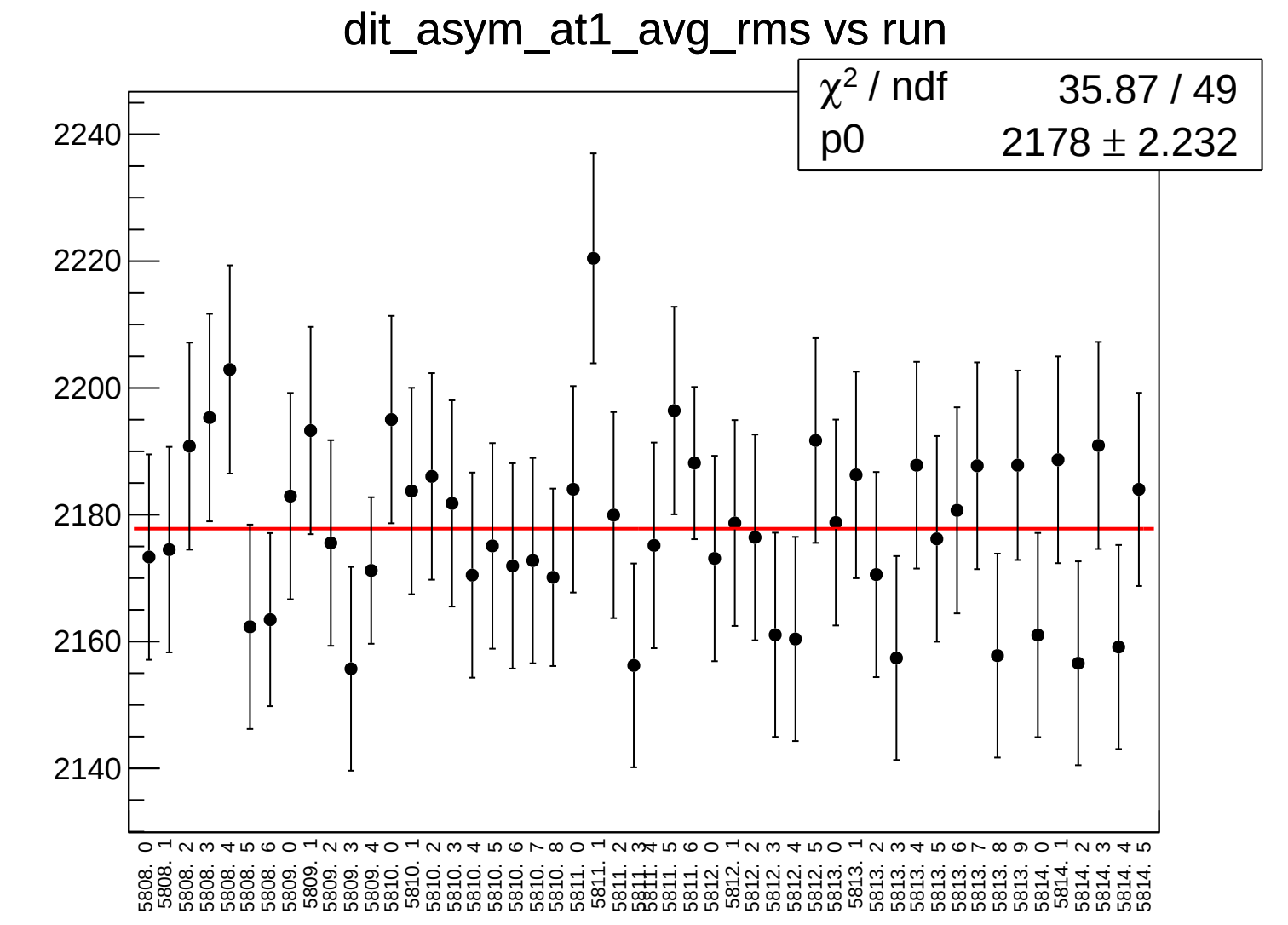
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_at1_avg_mean vs run
χ^2 / ndf 36.98 / 49
p0 −2601 ± 3156
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 134.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01543
Std Dev 0.8599
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_avg_rms vs run
χ^2 / ndf 35.87 / 49
p0 2178 ± 2.232
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 5
5811. 6
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5812. 2
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5812. 5
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5813. 2
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5813. 5
5813. 6
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5813. 8
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5814. 0
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5814. 2
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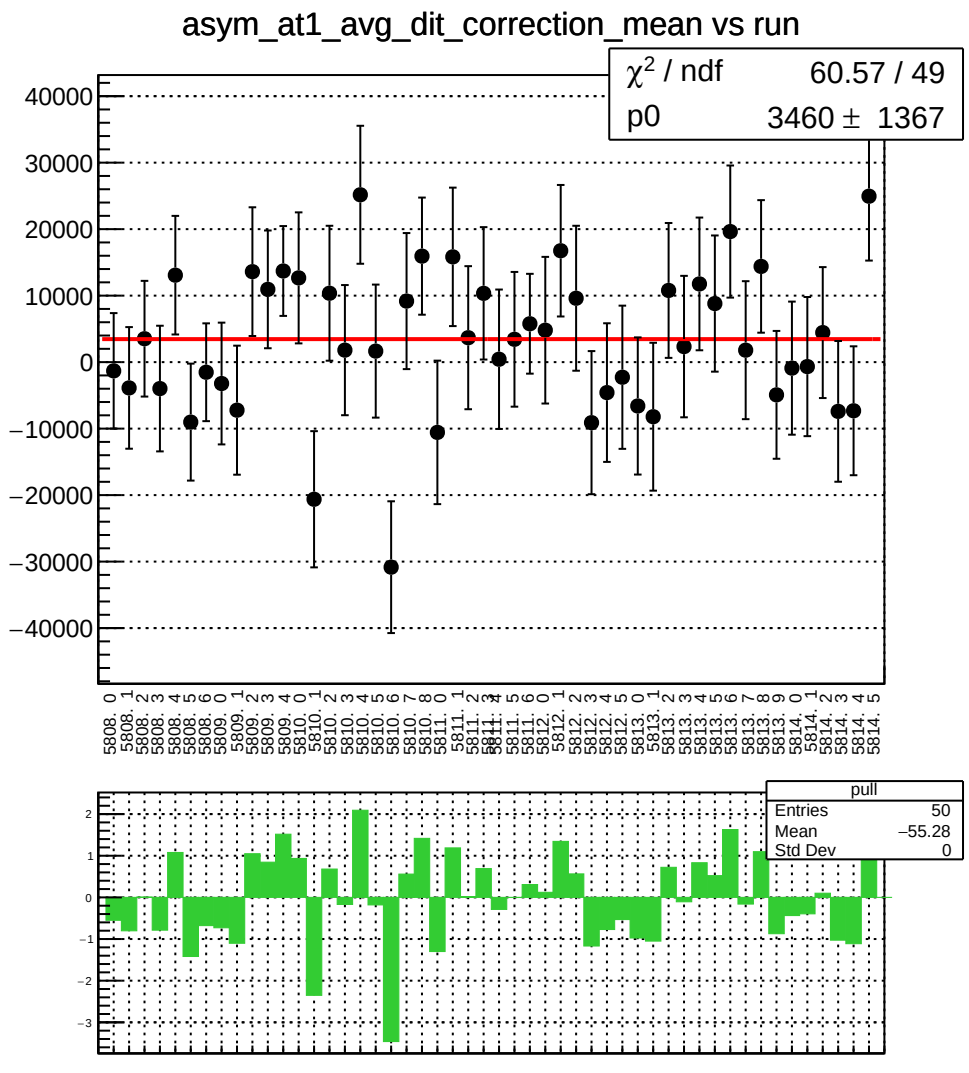
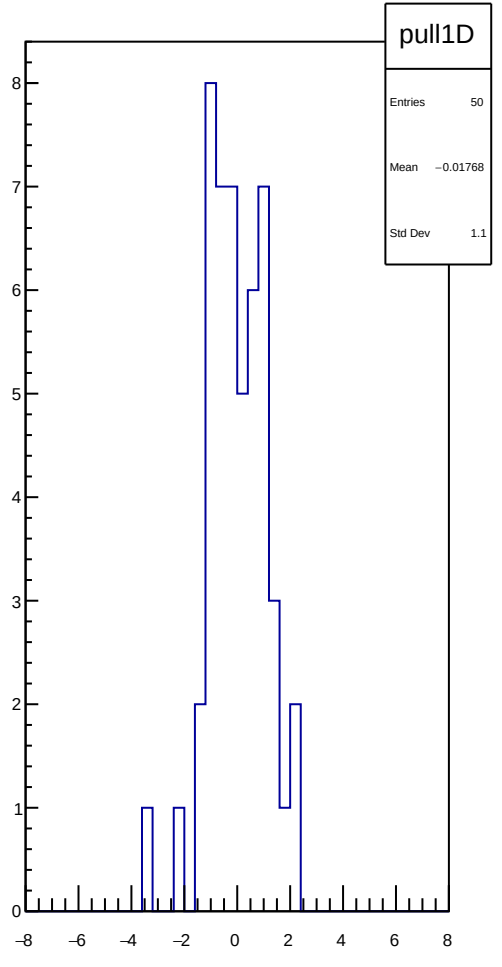
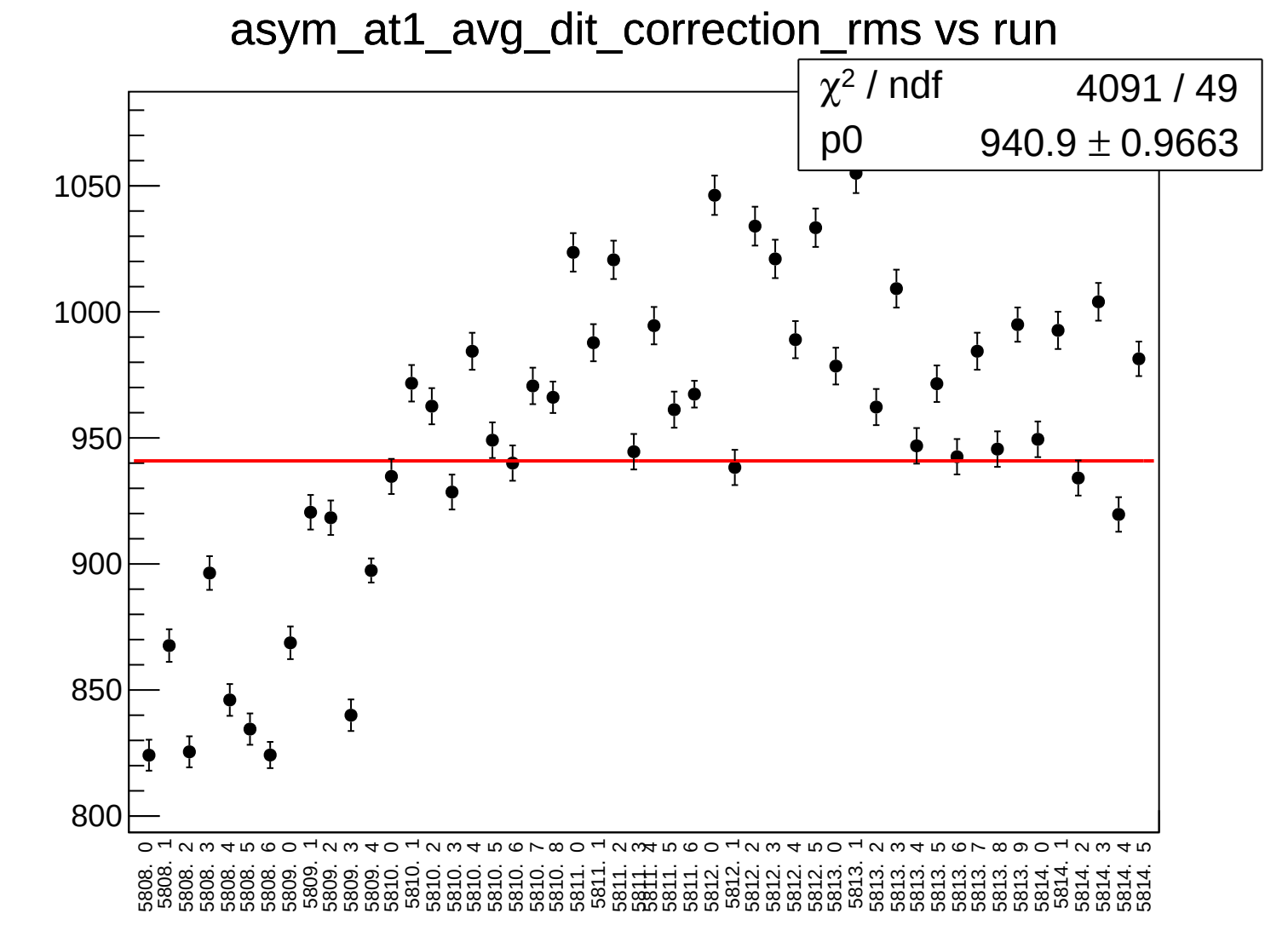
5814. 4
5814. 5


asym_at1_avg_dit_correction_mean vs run
χ² / ndf 60.57 / 49
p0 3460 ± 1367
pull
Entries 50
Mean −55.28
Std Dev 0


pull1D
Entries 50
Mean −0.01768
Std Dev 1.1


asym_at1_avg_dit_correction_rms vs run
χ² / ndf 4091 / 49
p0 940.9 ± 0.9663
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5813. 0
5813. 1
5813. 2
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5814. 2
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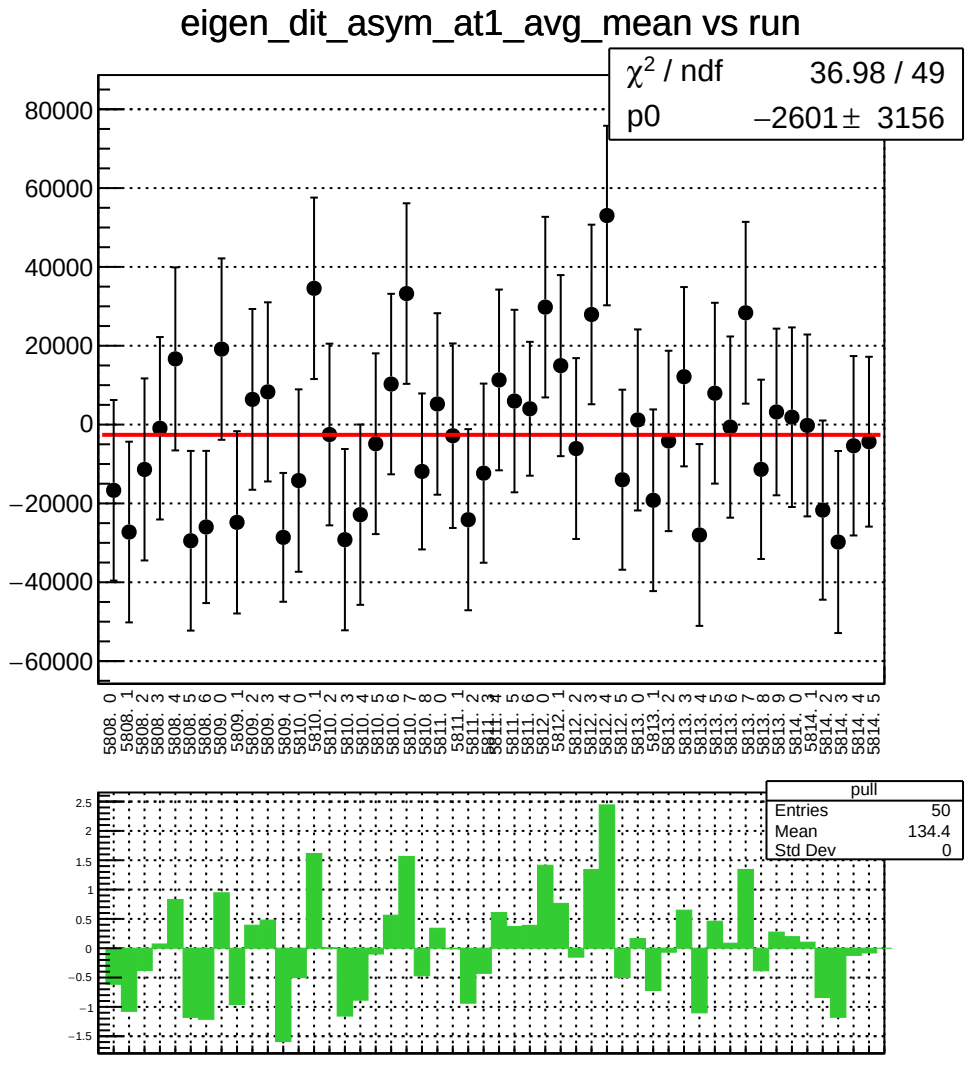
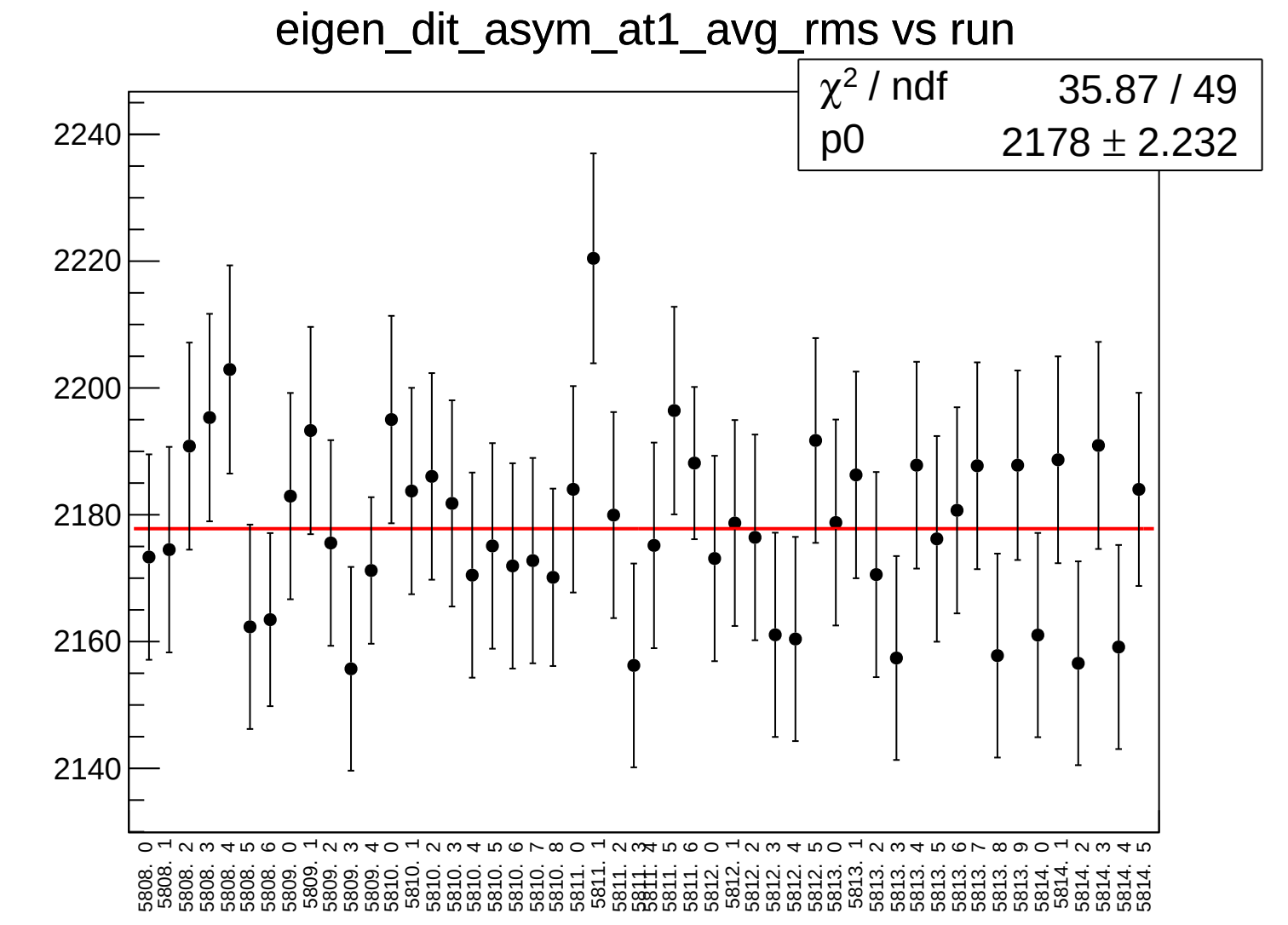
5814. 4
5814. 5


eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 36.98 / 49
p0 −2601 ± 3156
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 134.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01543
Std Dev 0.8599
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 35.87 / 49
p0 2178 ± 2.232
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
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5814. 0
5814. 1
5814. 2
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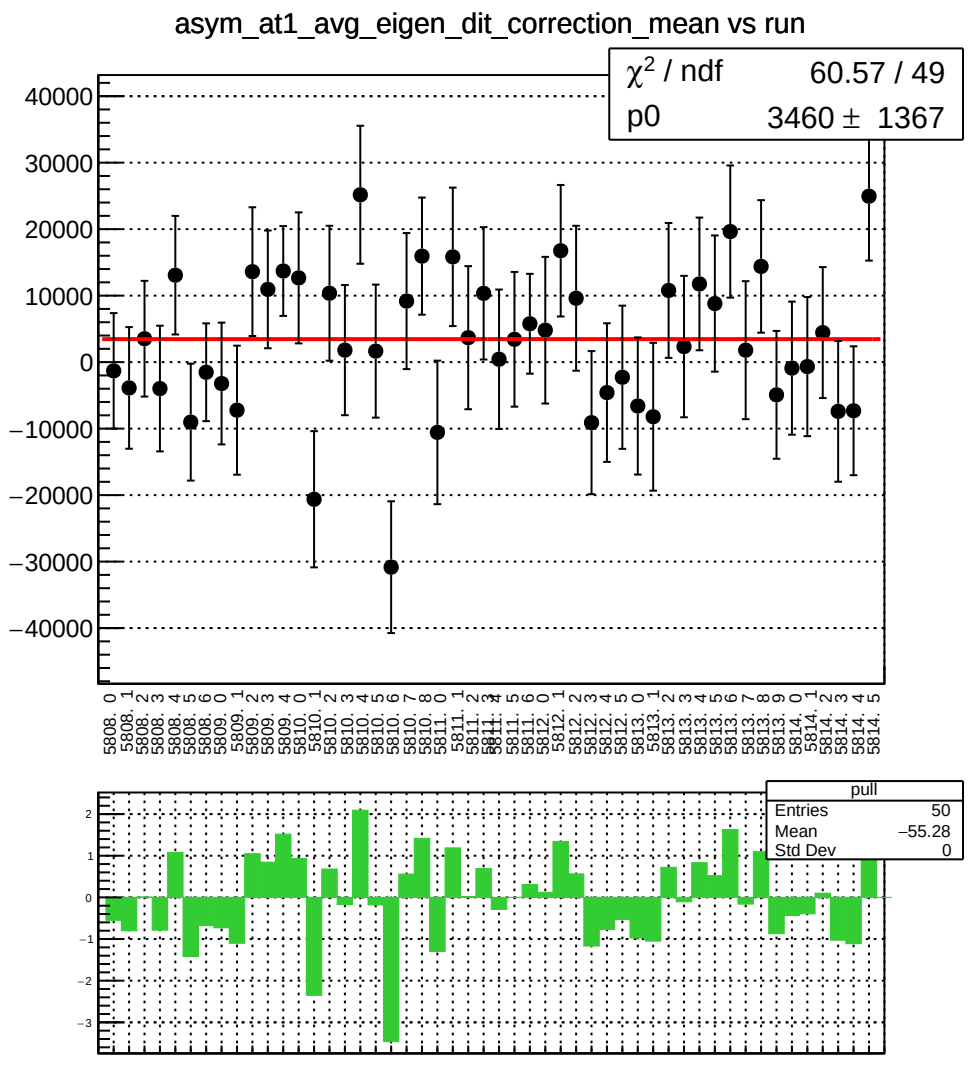
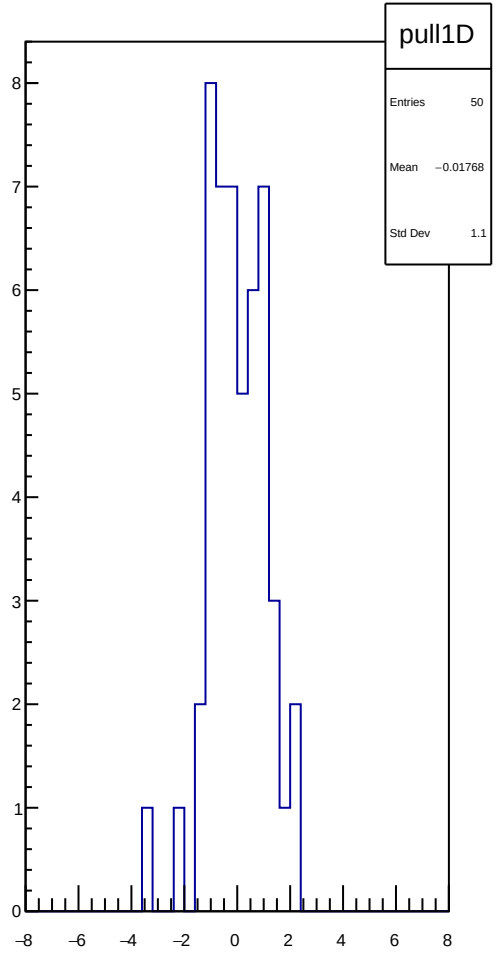
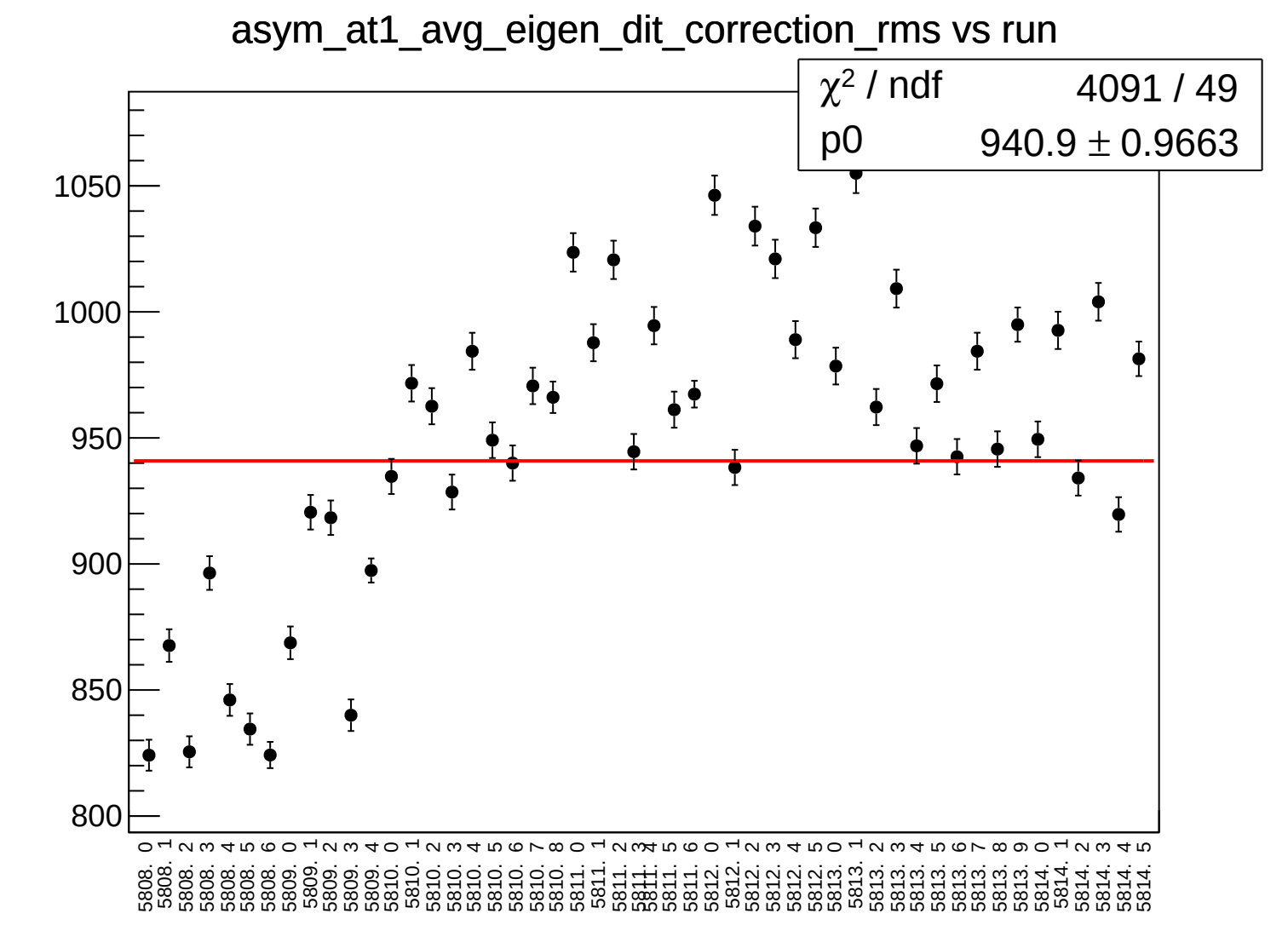
5814. 4
5814. 5


asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.57 / 49
p0 3460 ± 1367
pull
Entries 50
Mean −55.28
Std Dev 0


pull1D
Entries 50
Mean −0.01768
Std Dev 1.1


asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4091 / 49
p0 940.9 ± 0.9663
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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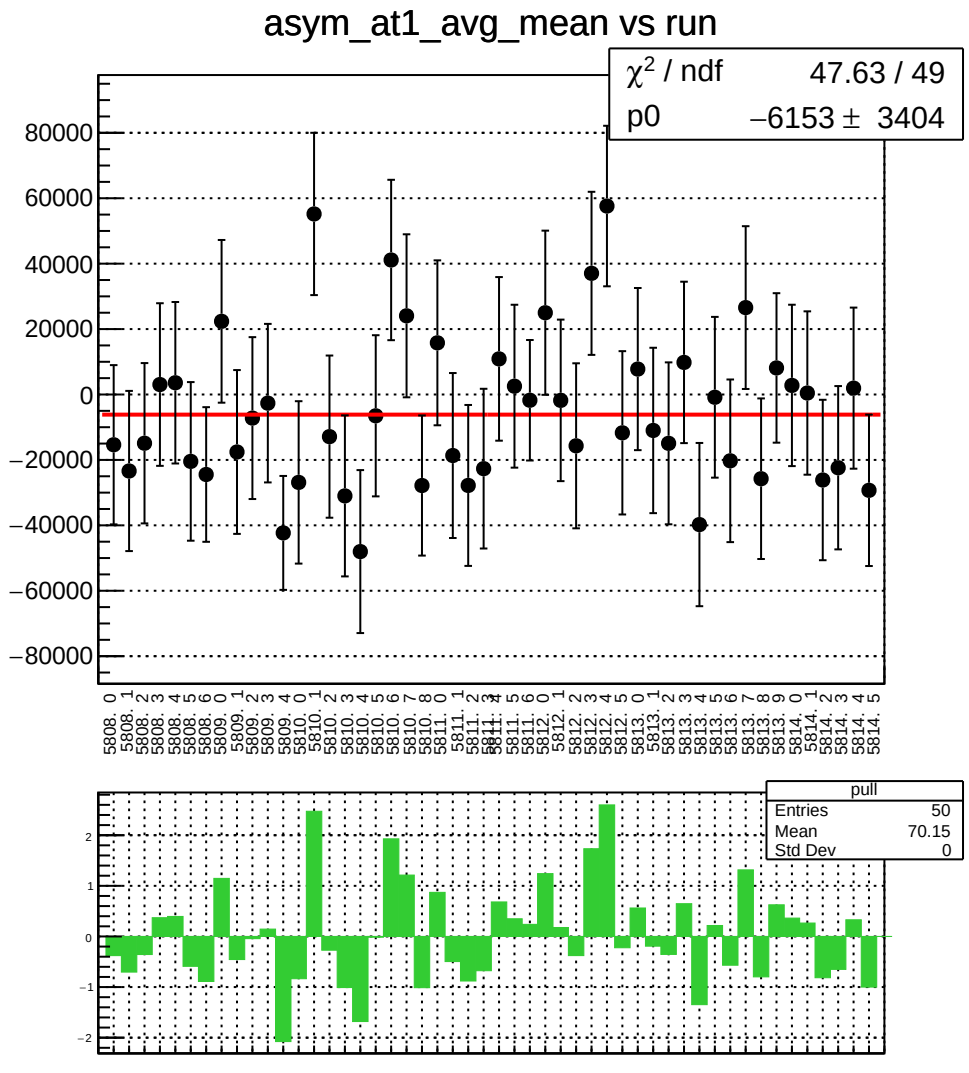
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_mean vs run
χ² / ndf 47.63 / 49
p0 −6153 ± 3404
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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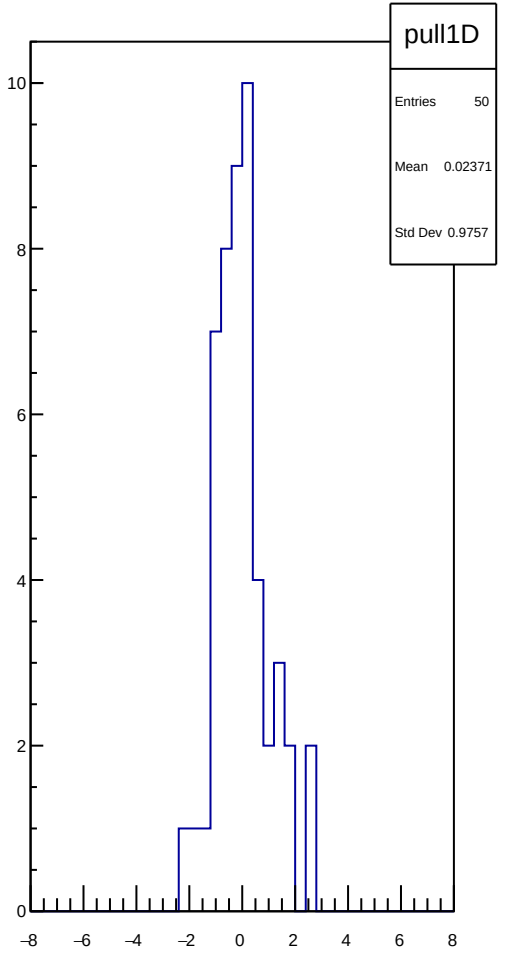
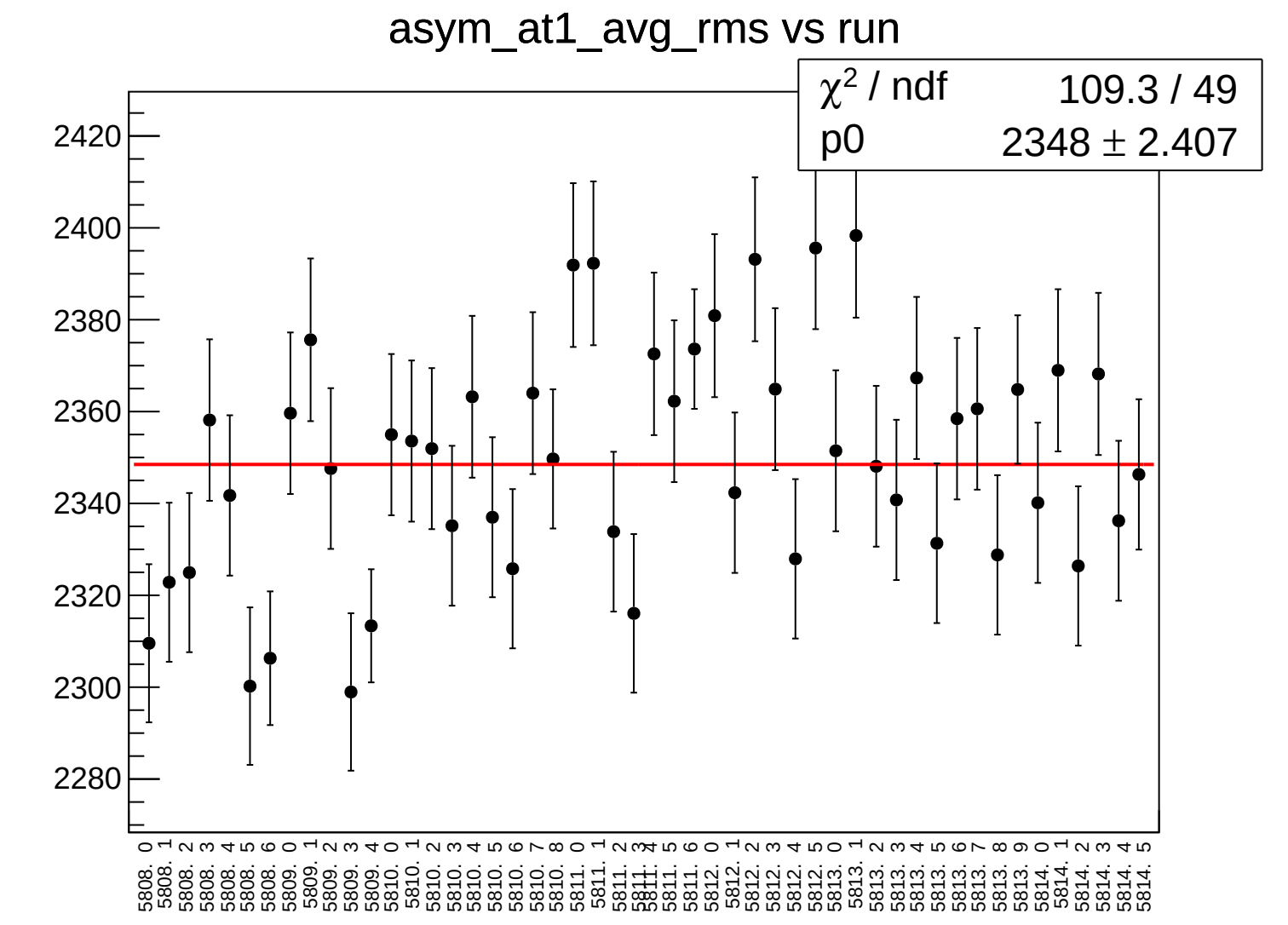
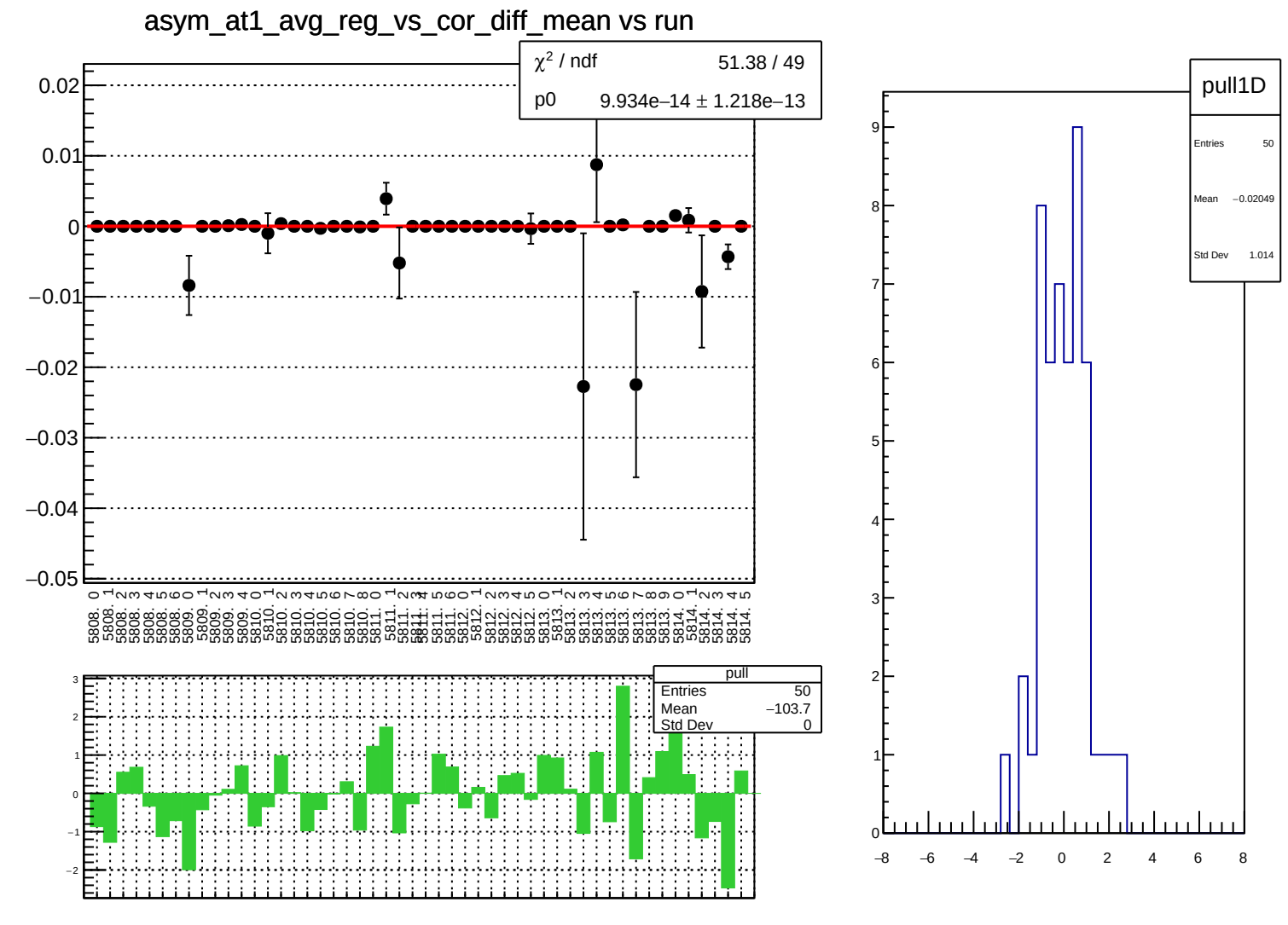
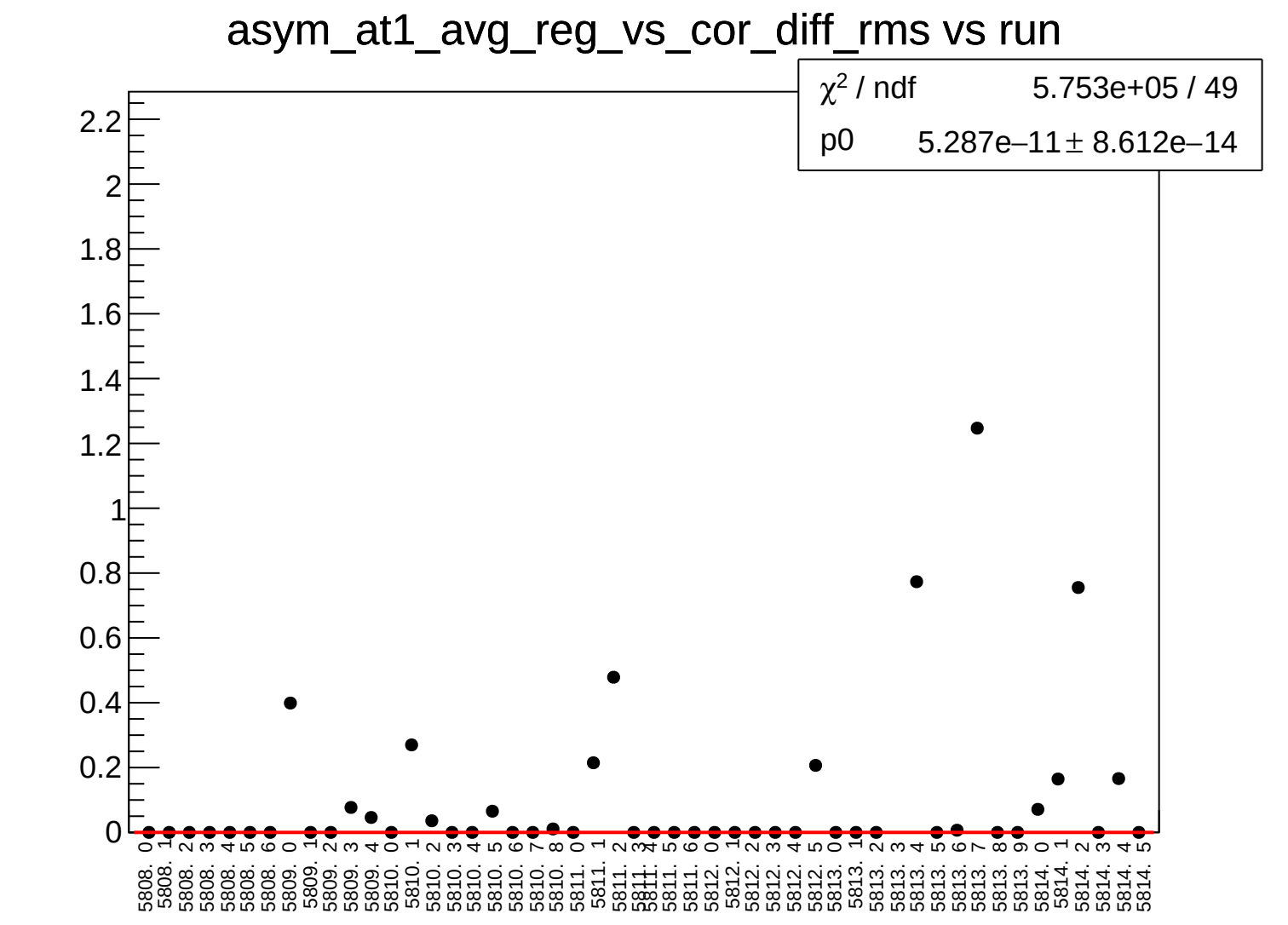
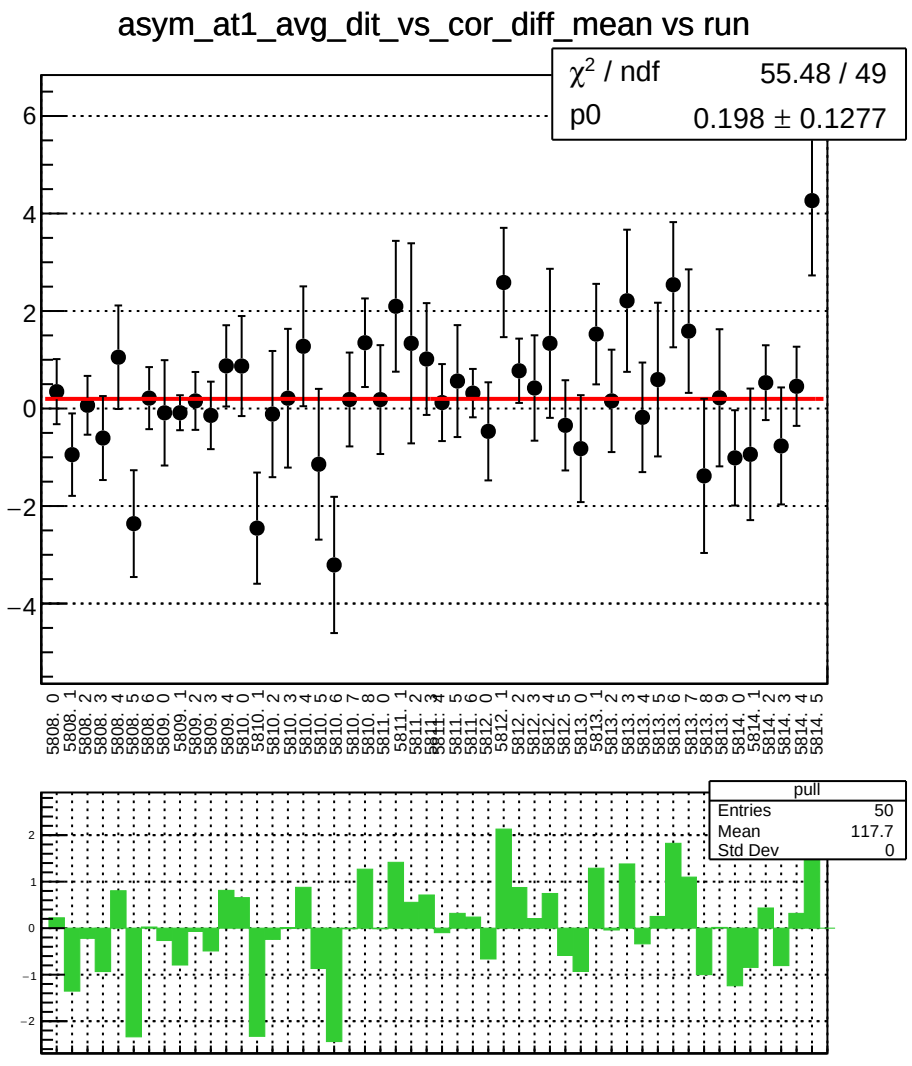
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 70.15
Std Dev 0
2
1
0
−1
−2

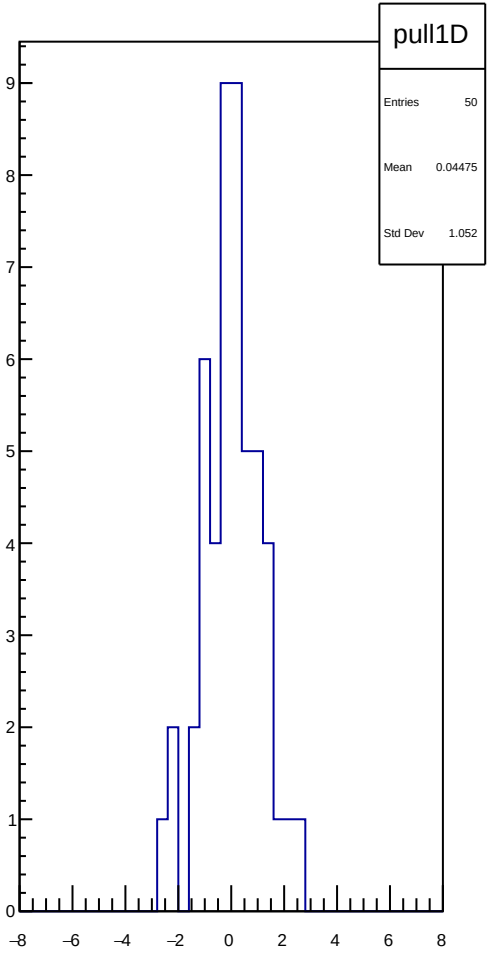

pull1D
Entries 50
Mean 0.02371
Std Dev 0.9757
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

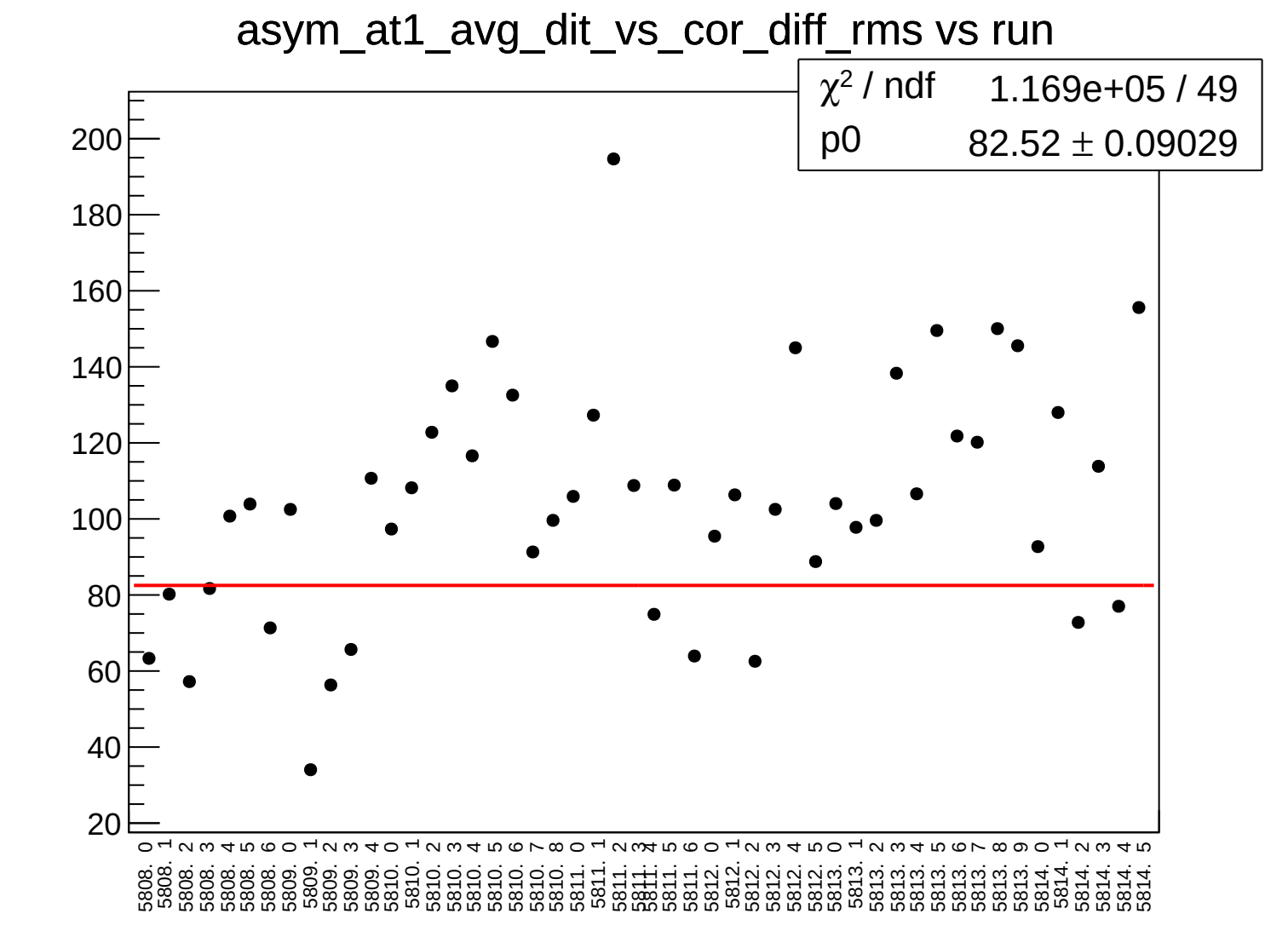

asym_at1_avg_rms vs run
χ^2 / ndf 109.3 / 49
p0 2348 ± 2.407
2420
2400
2380
2360
2340
2320
2300
2280
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

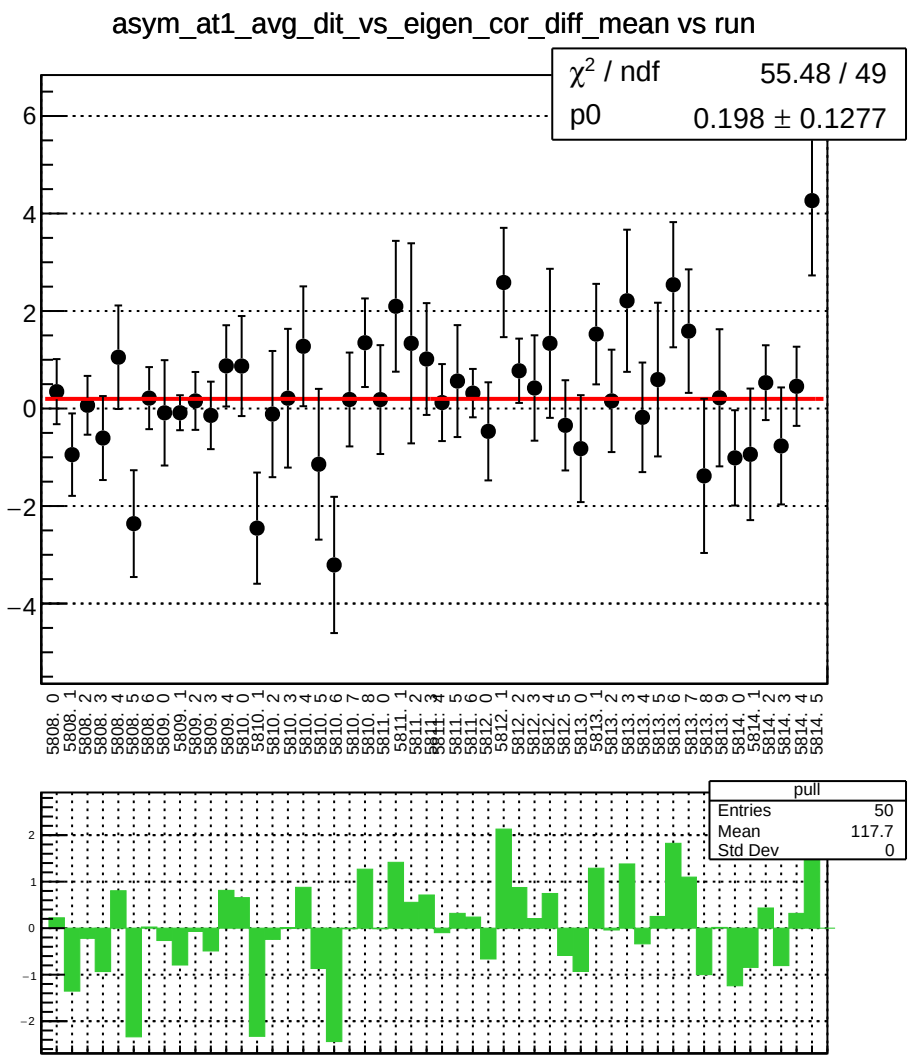

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.38 / 49
p0 9.934e−14 ± 1.218e−13
pull
Entries 50
Mean −103.7
Std Dev 0
pull1D
Entries 50
Mean −0.02049
Std Dev 1.014

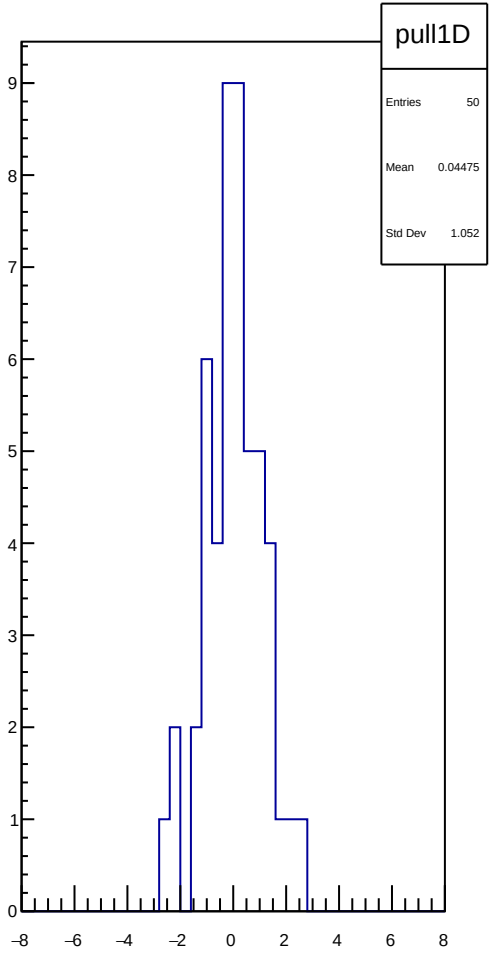

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ^2 / ndf 5.753e+05 / 49
p0 5.287e−11 ± 8.612e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

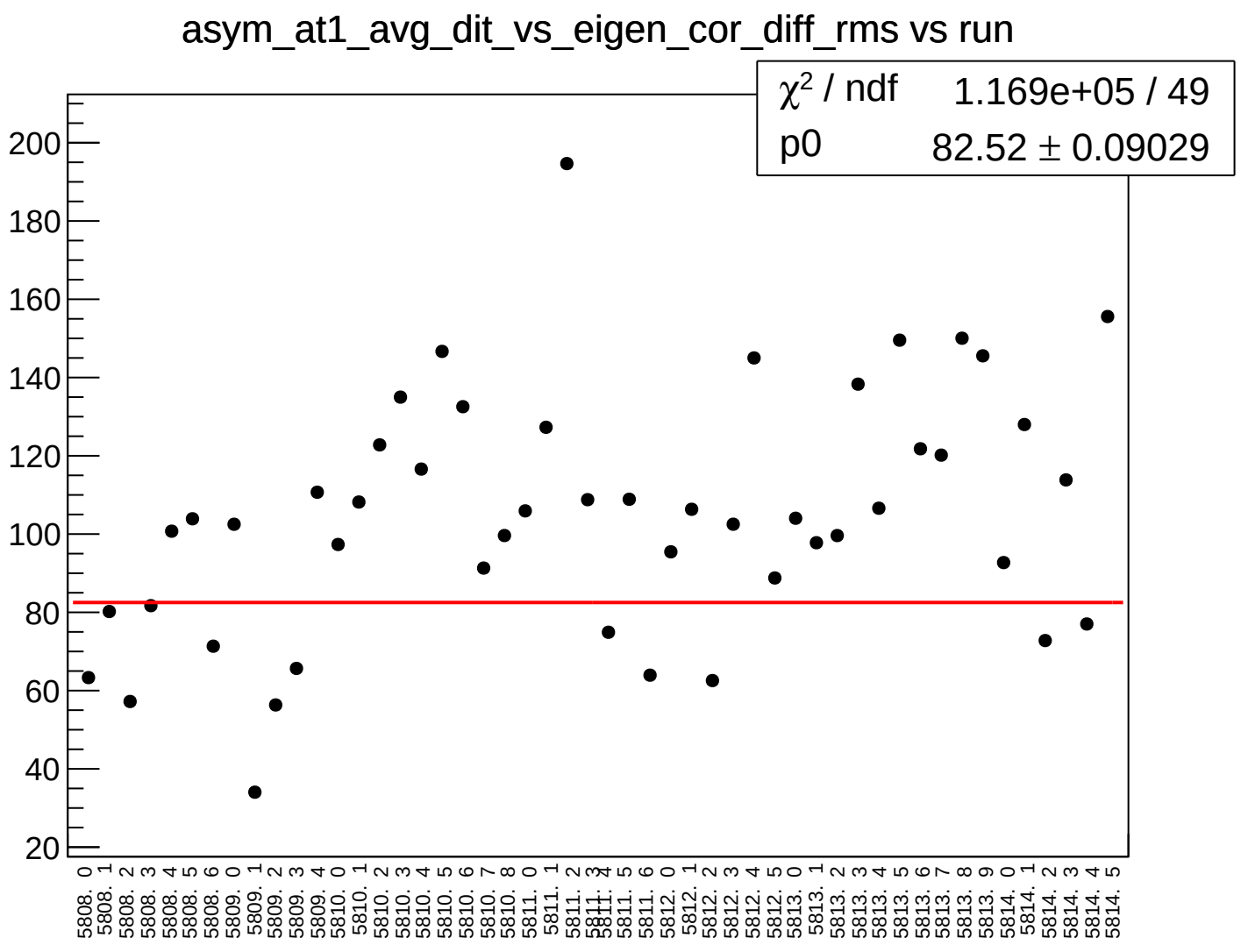

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.48 / 49
p0 0.198 ± 0.1277
pull
Entries 50
Mean 117.7
Std Dev 0

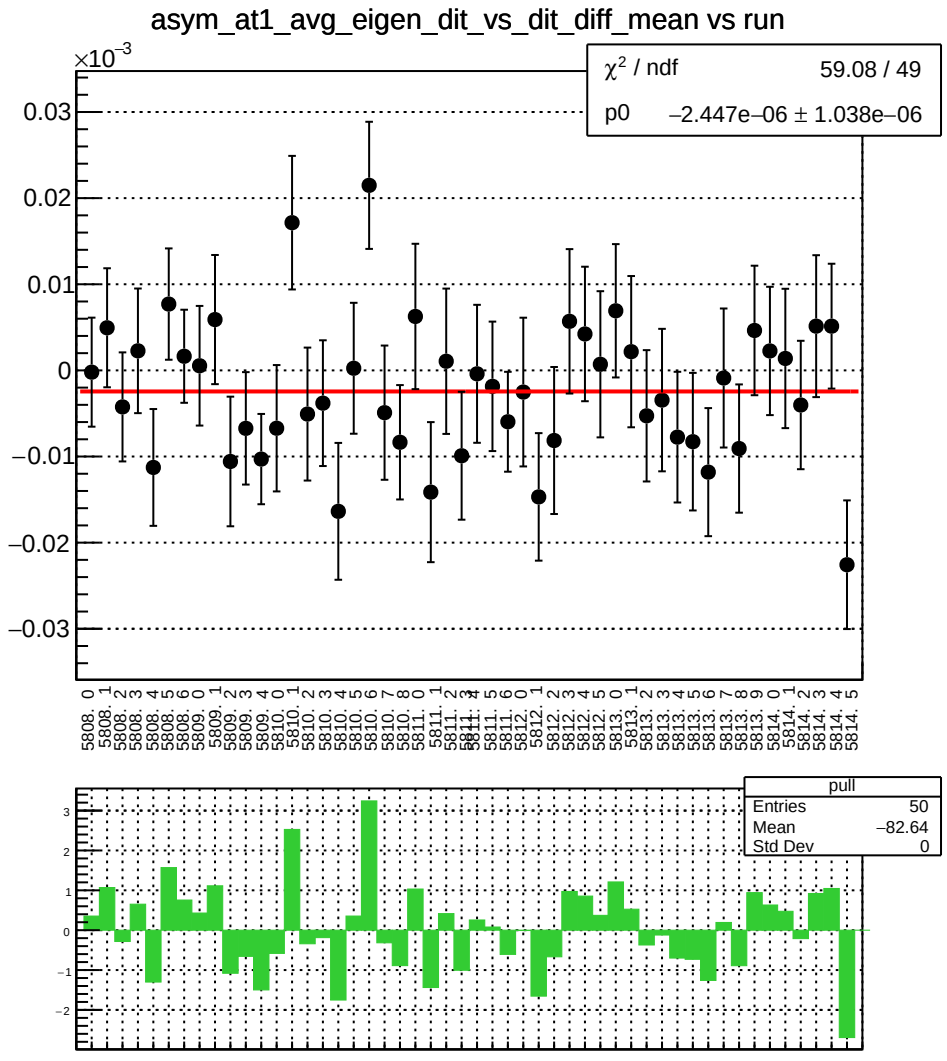

pull1D
Entries 50
Mean 0.04475
Std Dev 1.052

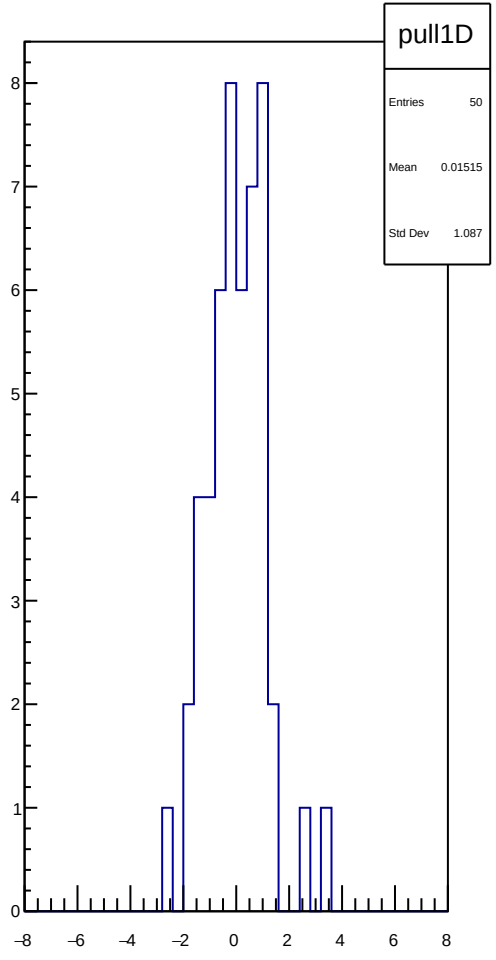

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 49
p0 82.52 ± 0.09029
200
180
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

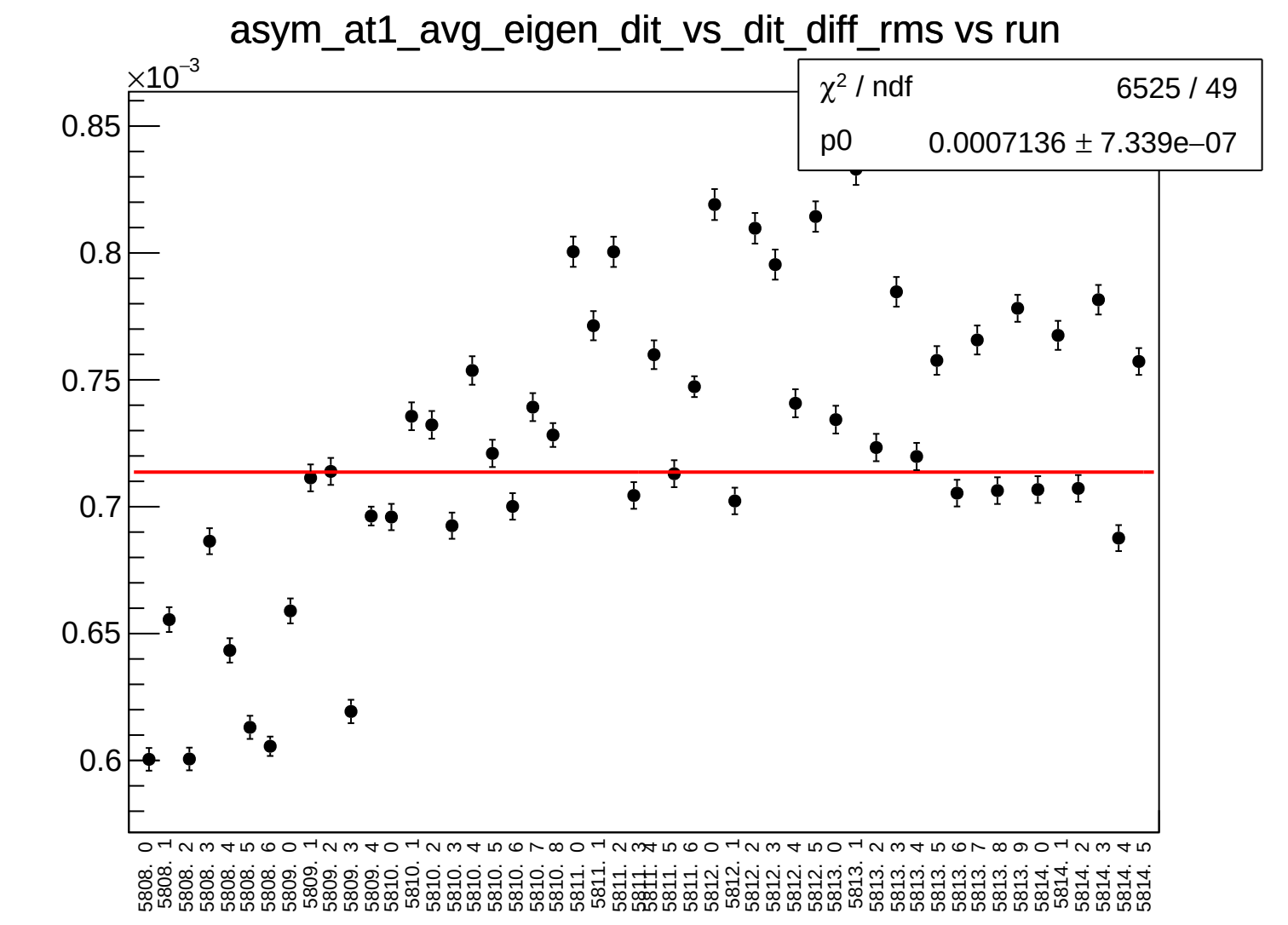

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.48 / 49
p0 0.198 ± 0.1277
pull
Entries 50
Mean 117.7
Std Dev 0

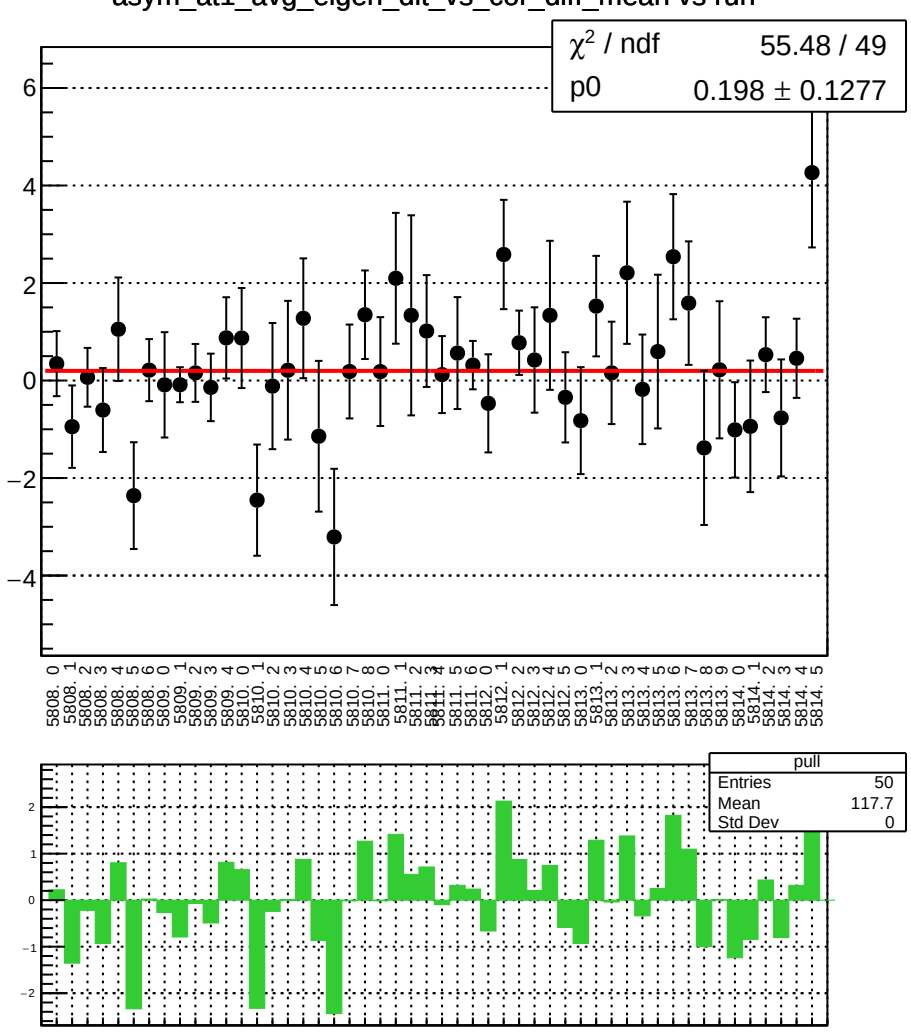

pull1D
Entries 50
Mean 0.04475
Std Dev 1.052

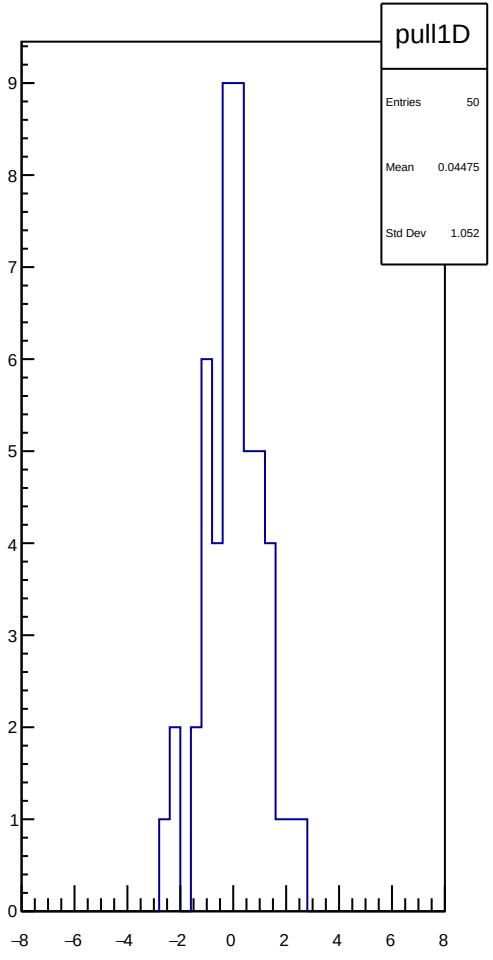

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 49
p0 82.52 ± 0.09029
200
180
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

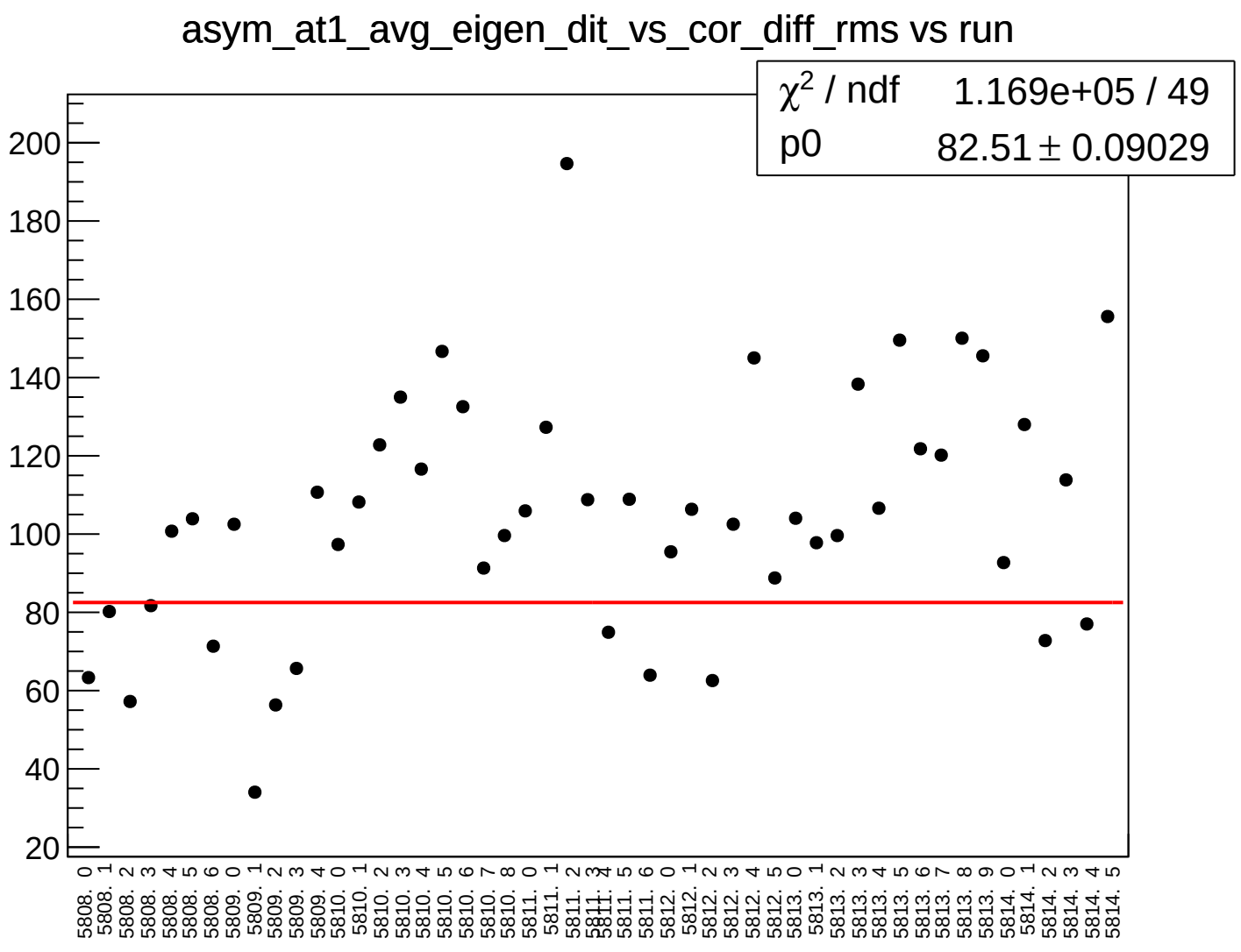

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.08 / 49
p0 −2.447e−06 ± 1.038e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −82.64
Std Dev 0
3
2
1
0
−1
−2

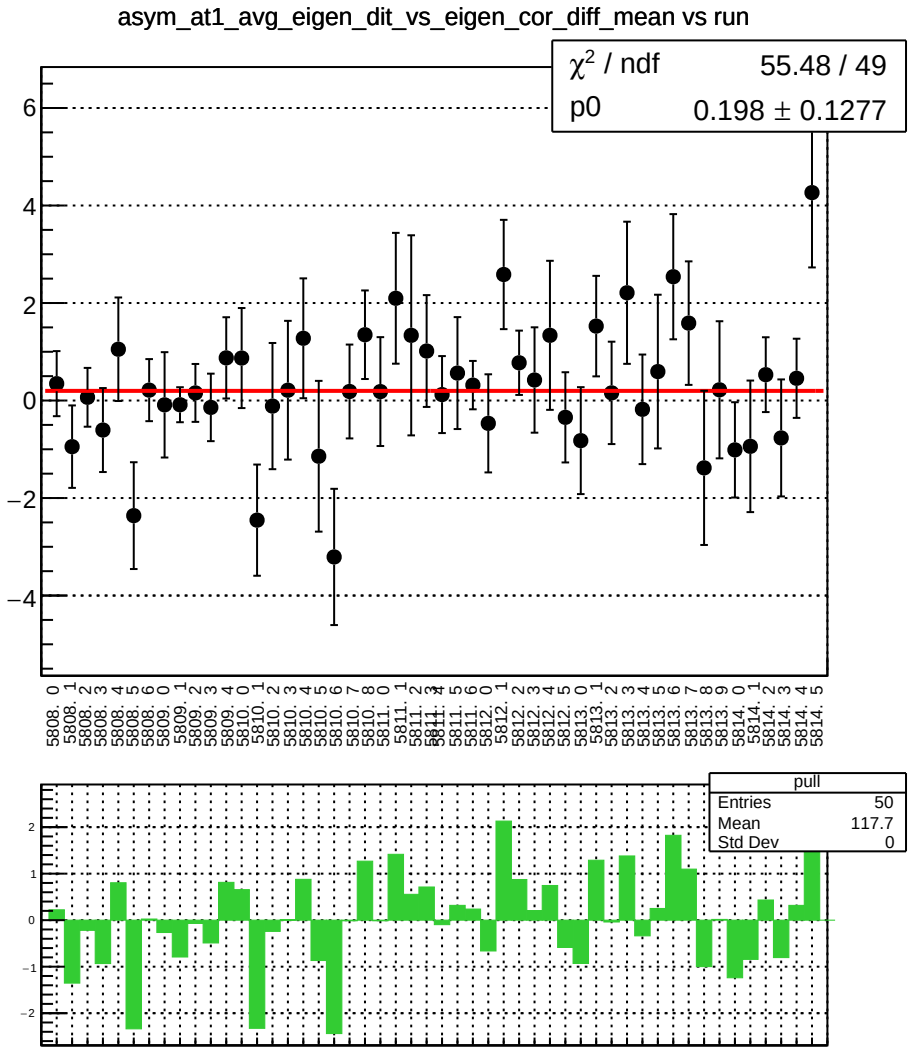

pull1D
Entries 50
Mean 0.01515
Std Dev 1.087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

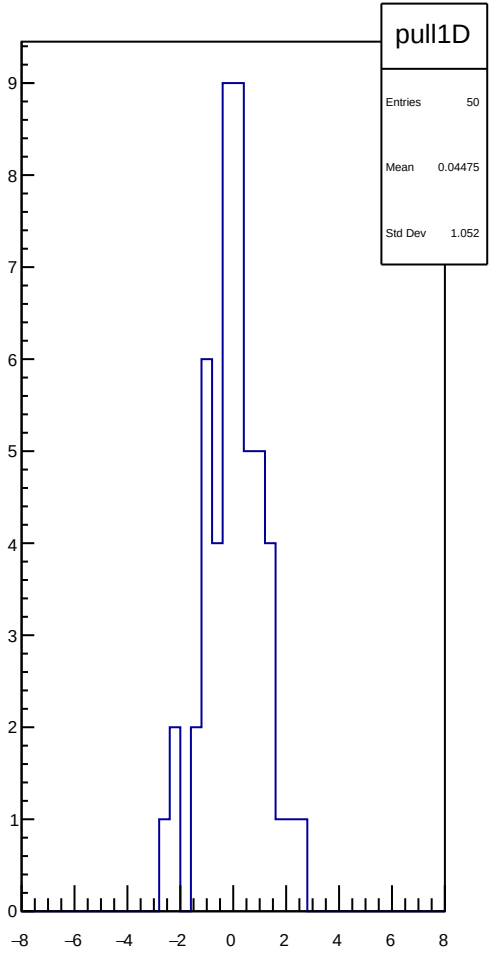

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 6525 / 49
p0 0.0007136 ± 7.339e−07
0.85
0.8
0.75
0.7
0.65
0.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

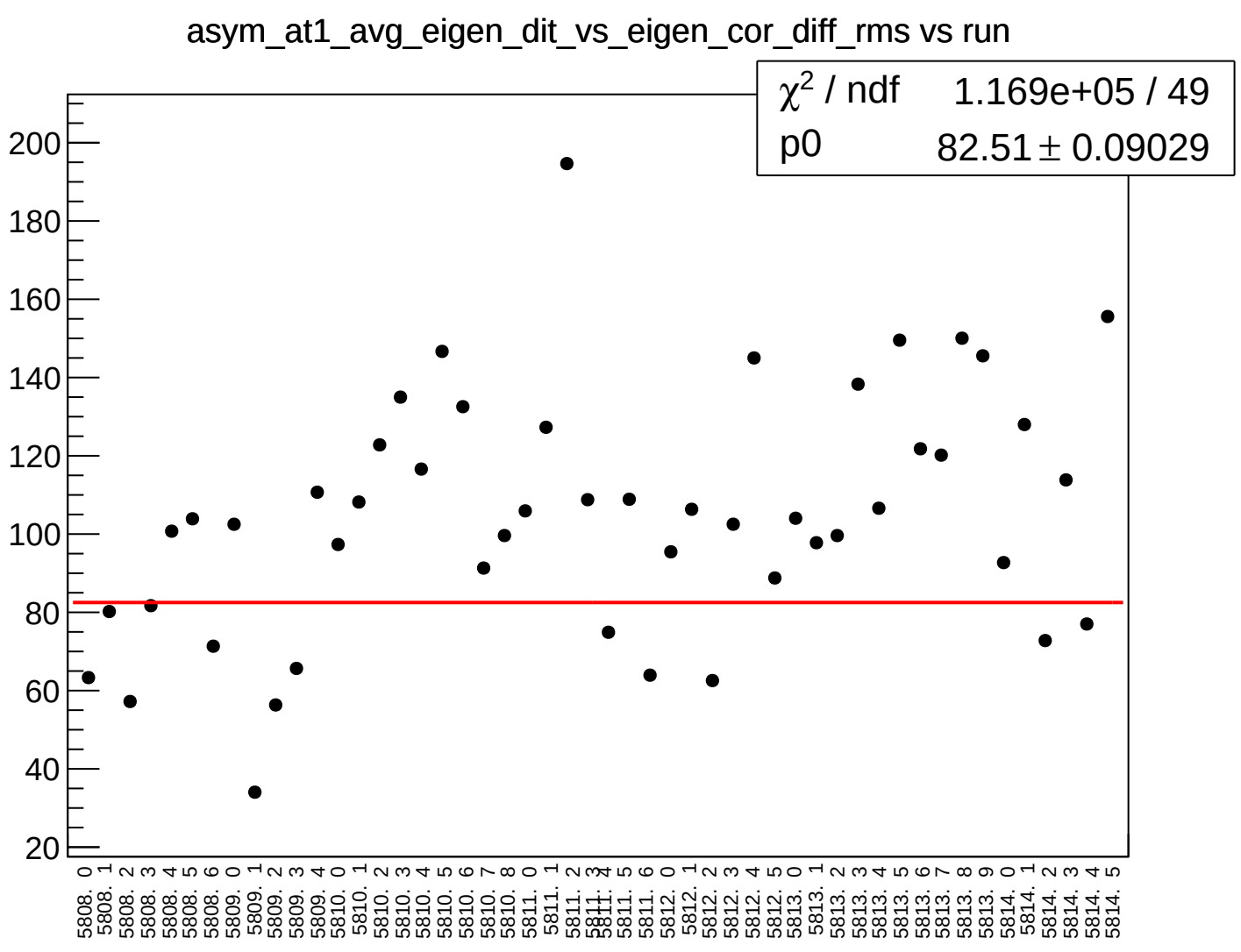

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.48 / 49
p0 0.198 ± 0.1277
pull
Entries 50
Mean 117.7
Std Dev 0

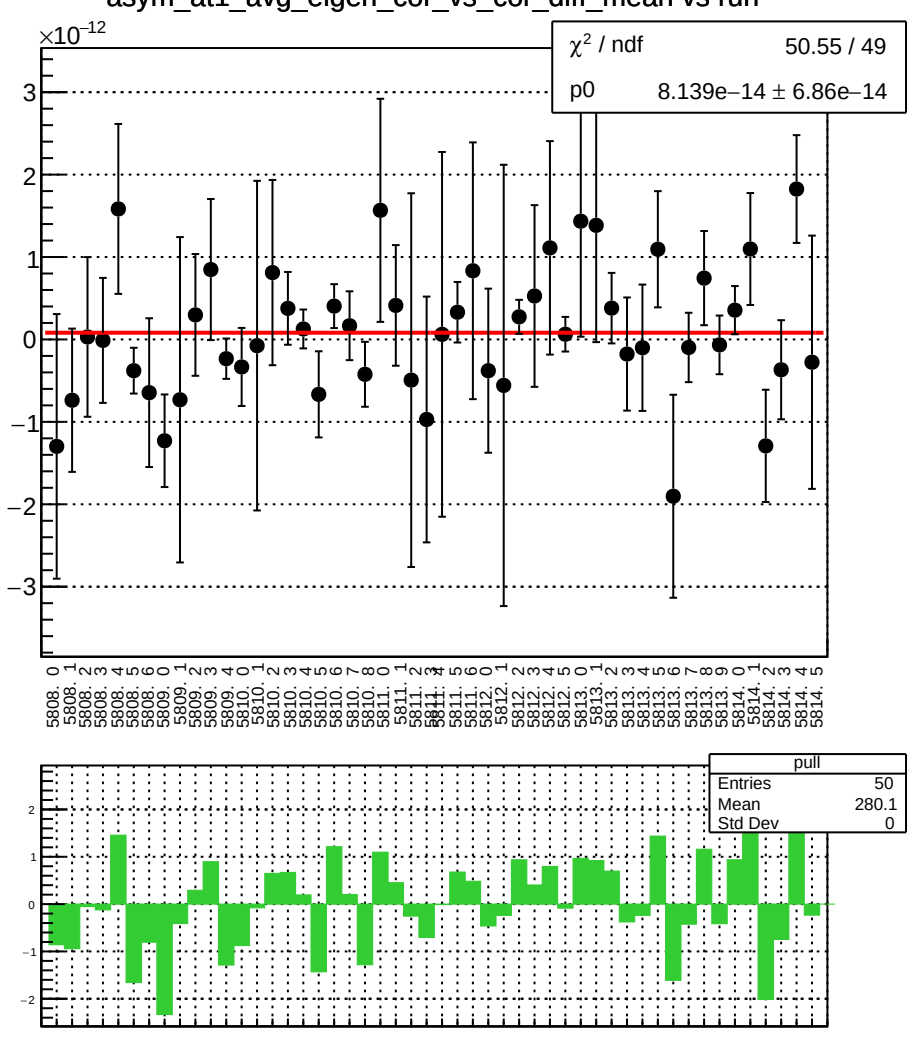

pull1D
Entries 50
Mean 0.04475
Std Dev 1.052

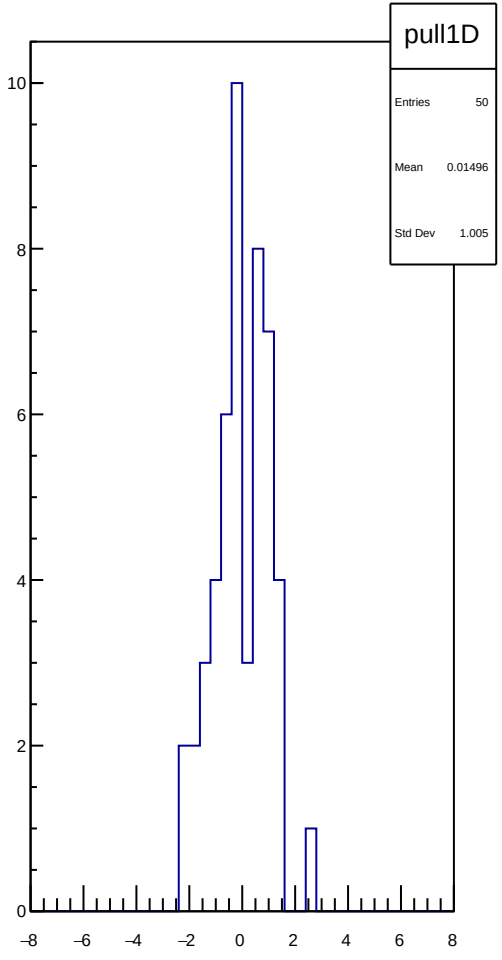

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 49
p0 82.51 ± 0.09029
200
180
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

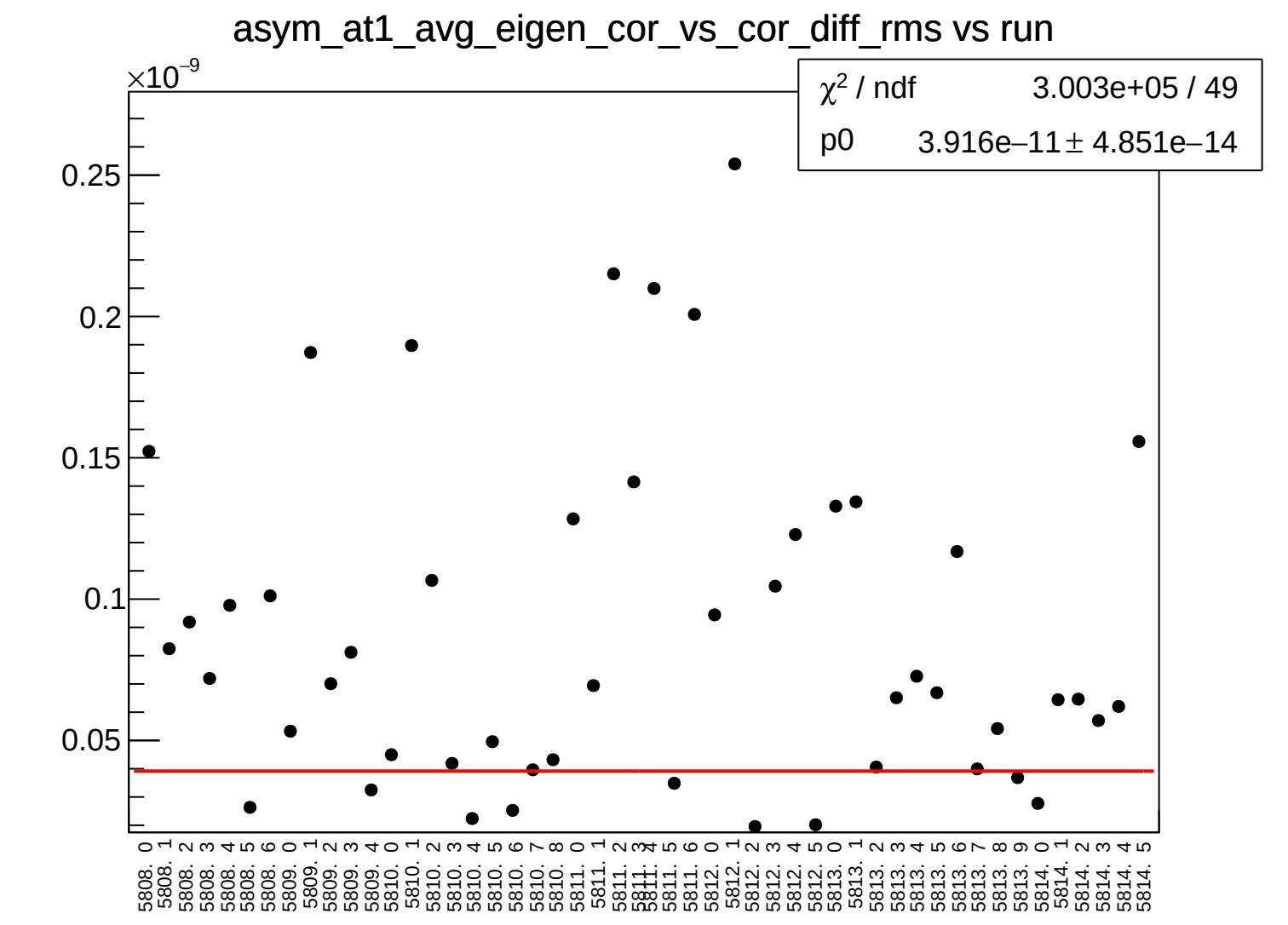

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.48 / 49
p0 0.198 ± 0.1277
pull
Entries 50
Mean 117.7
Std Dev 0

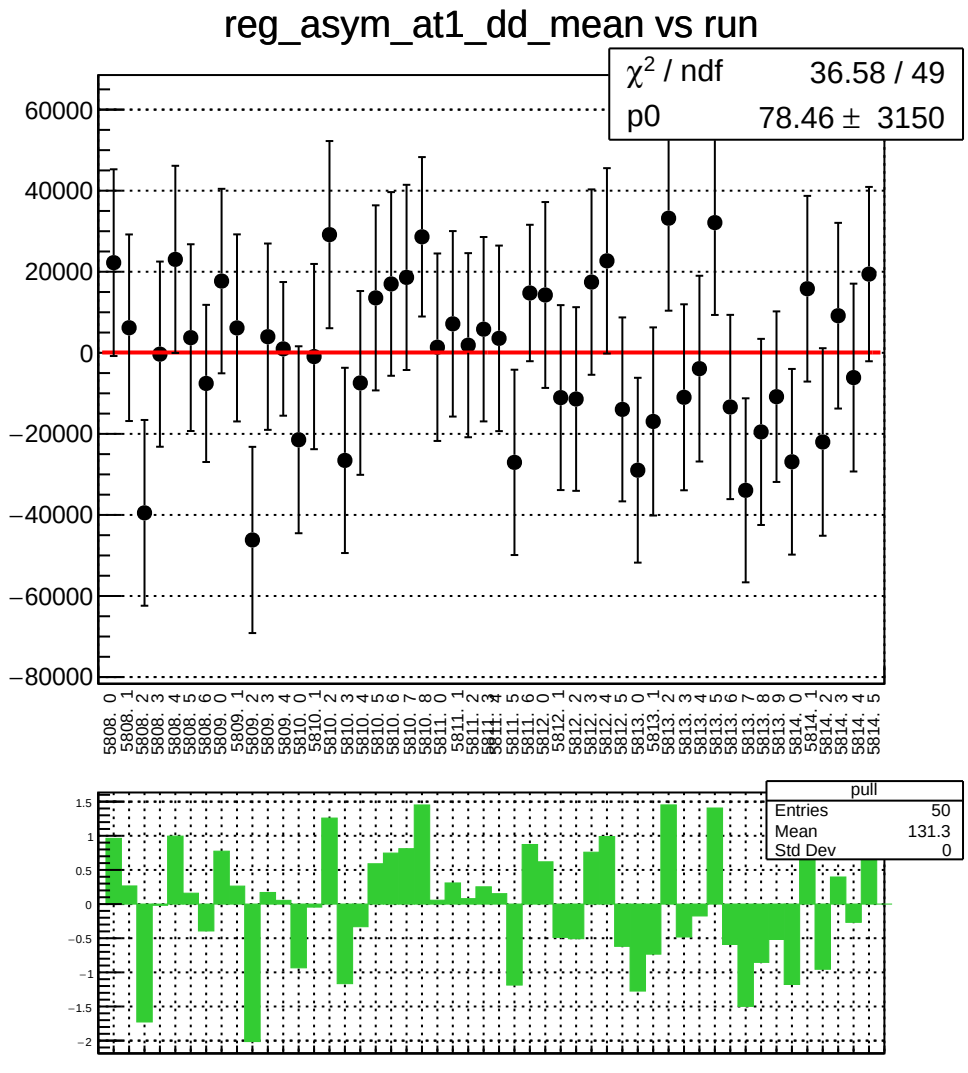

pull1D
Entries 50
Mean 0.04475
Std Dev 1.052

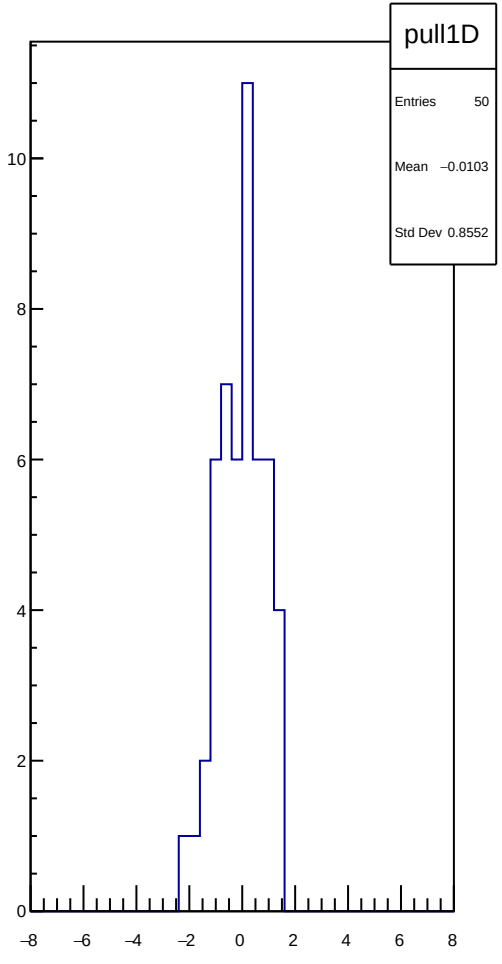

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.169e+05 / 49
p0 82.51 ± 0.09029
200
180
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

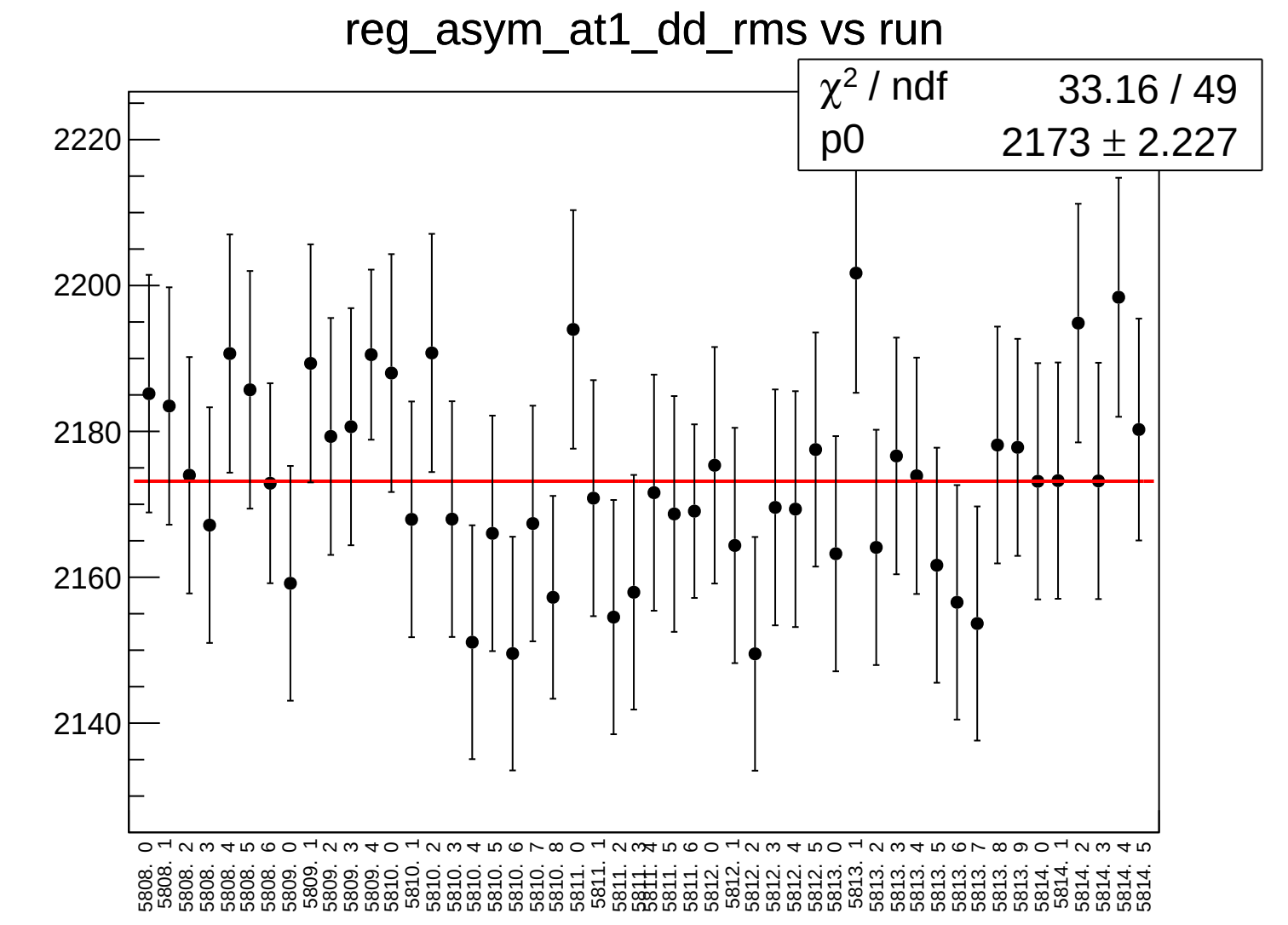

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.55 / 49
p0 8.139e−14 ± 6.86e−14
pull
Entries 50
Mean 280.1
Std Dev 0

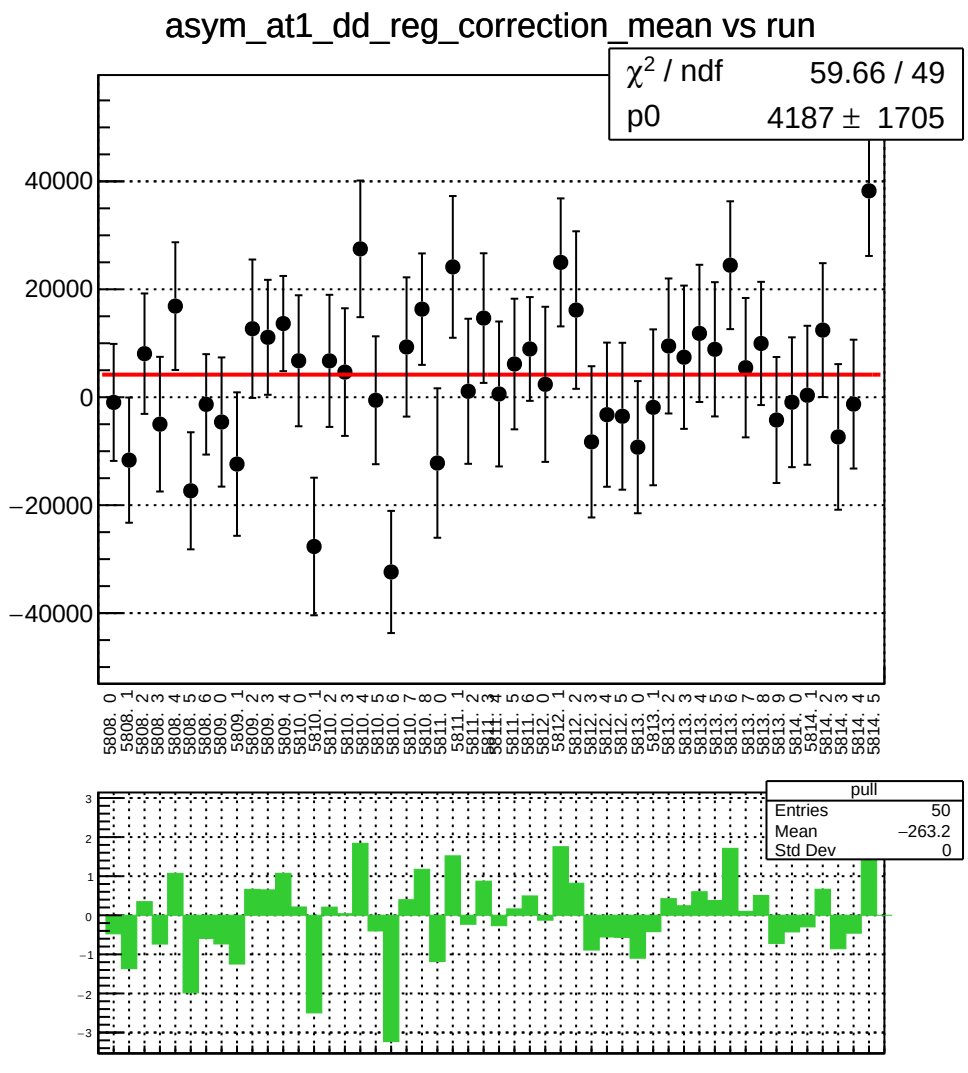

pull1D
Entries 50
Mean 0.01496
Std Dev 1.005


asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.003e+05 / 49
p0 3.916e−11 ± 4.851e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_at1_dd_mean vs run
χ² / ndf 36.58 / 49
p0 78.46 ± 3150
pull
Entries 50
Mean 131.3
Std Dev 0


pull1D
Entries 50
Mean −0.0103
Std Dev 0.8552


reg_asym_at1_dd_rms vs run
χ² / ndf 33.16 / 49
p0 2173 ± 2.227
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_dd_reg_correction_mean vs run
χ² / ndf 59.66 / 49
p0 4187 ± 1705
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −263.2
Std Dev 0
3
2
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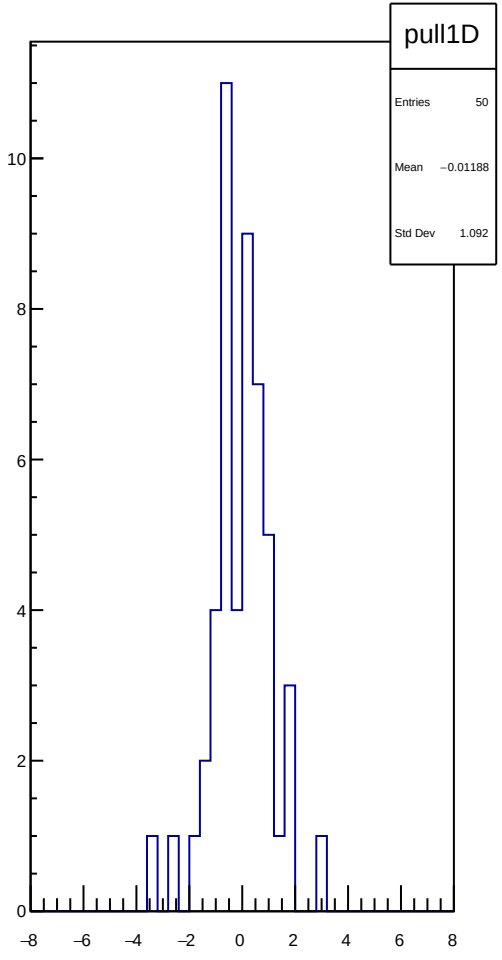
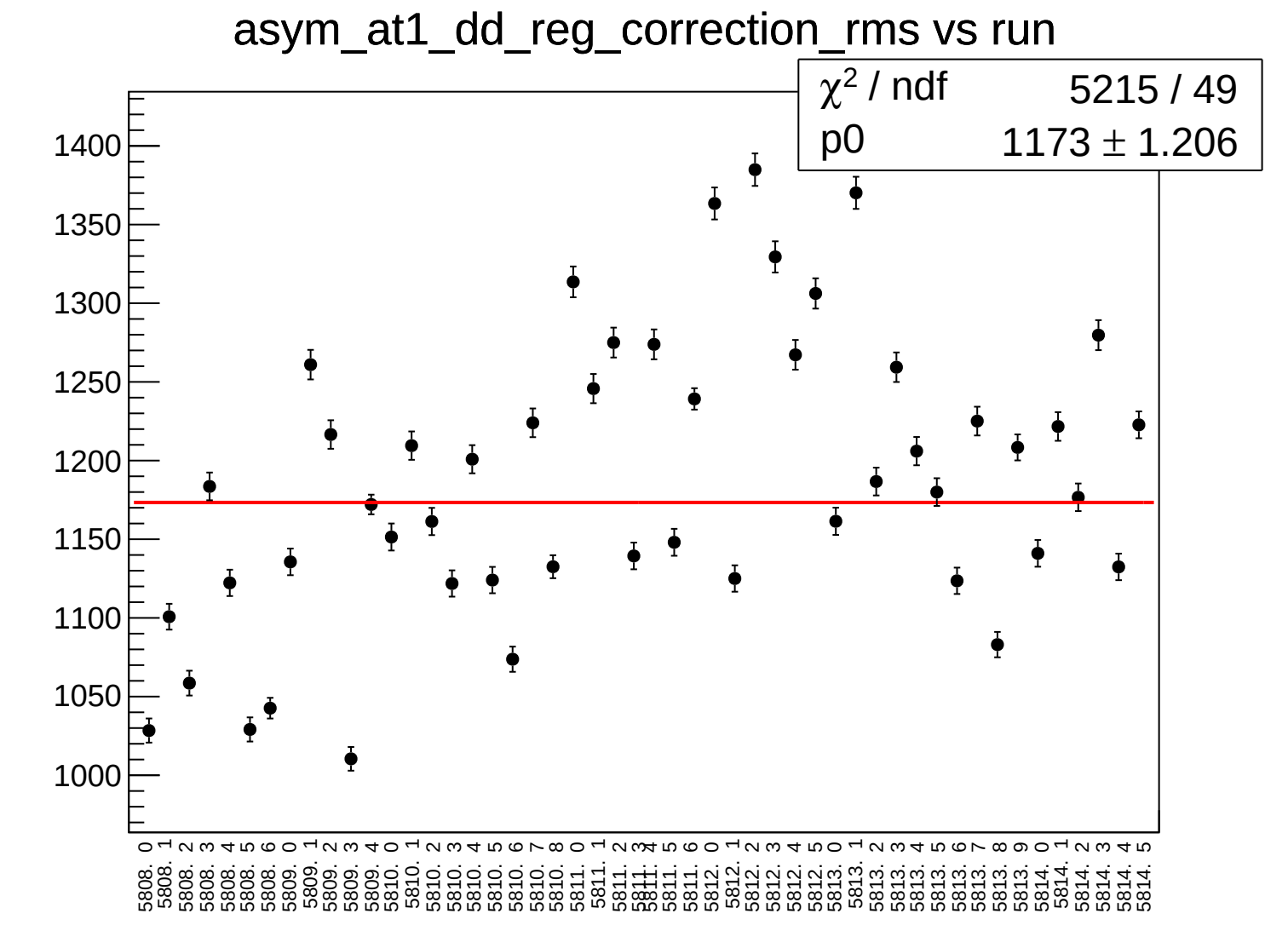
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01188
Std Dev 1.092
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 5215 / 49
p0 1173 ± 1.206
1400
1350
1300
1250
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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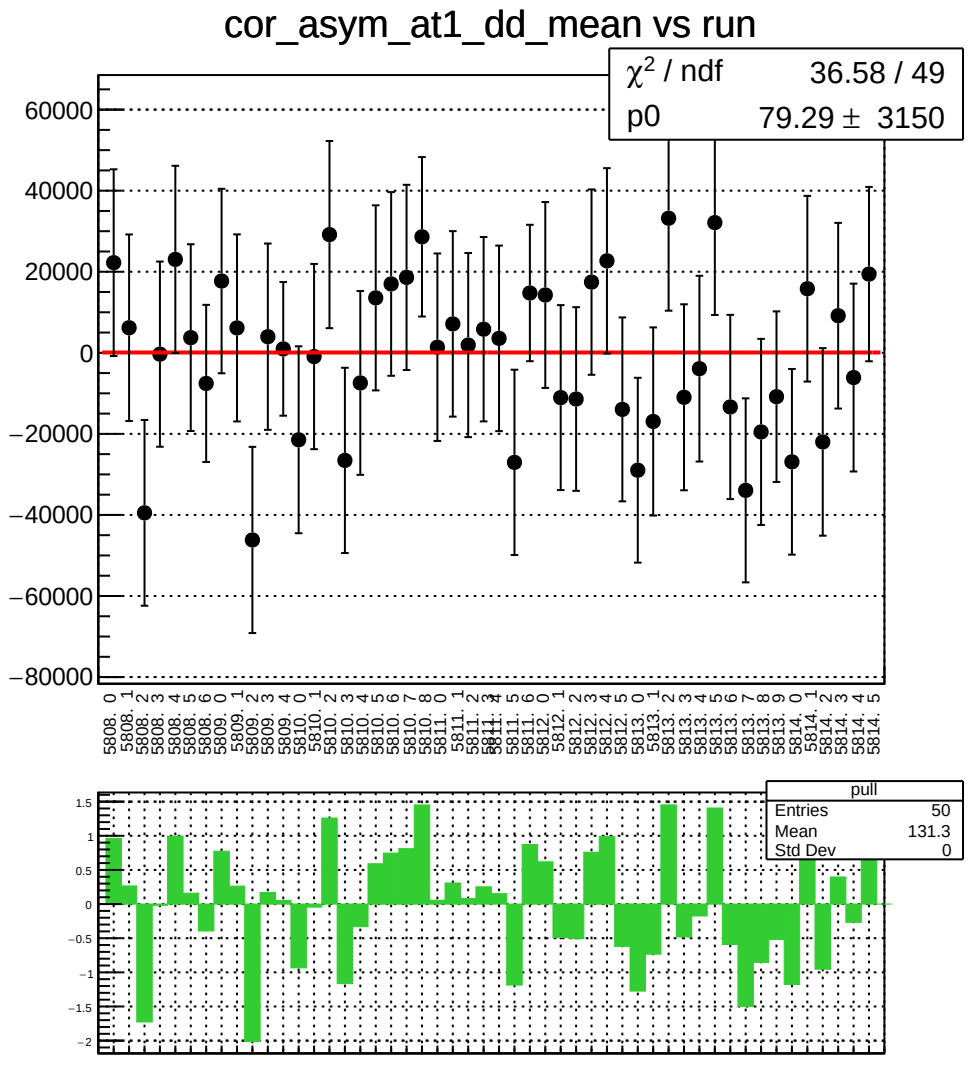
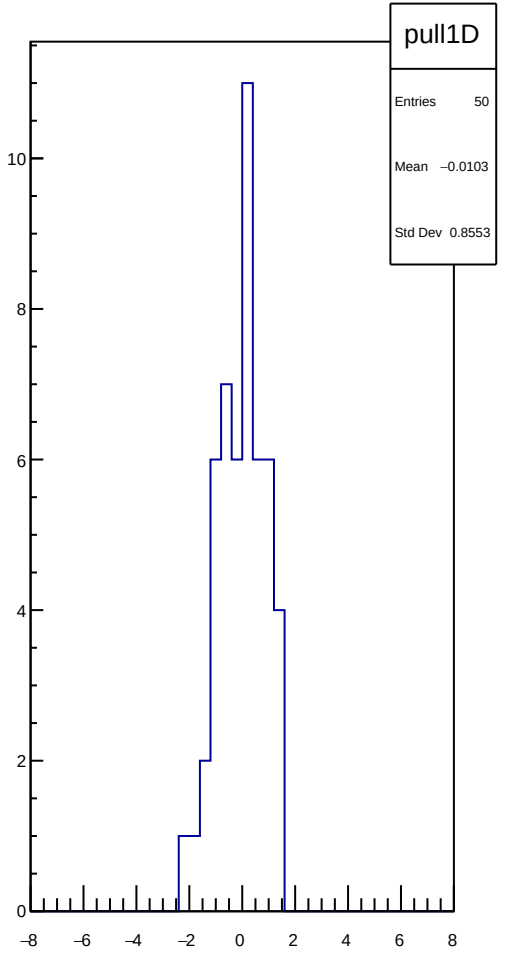
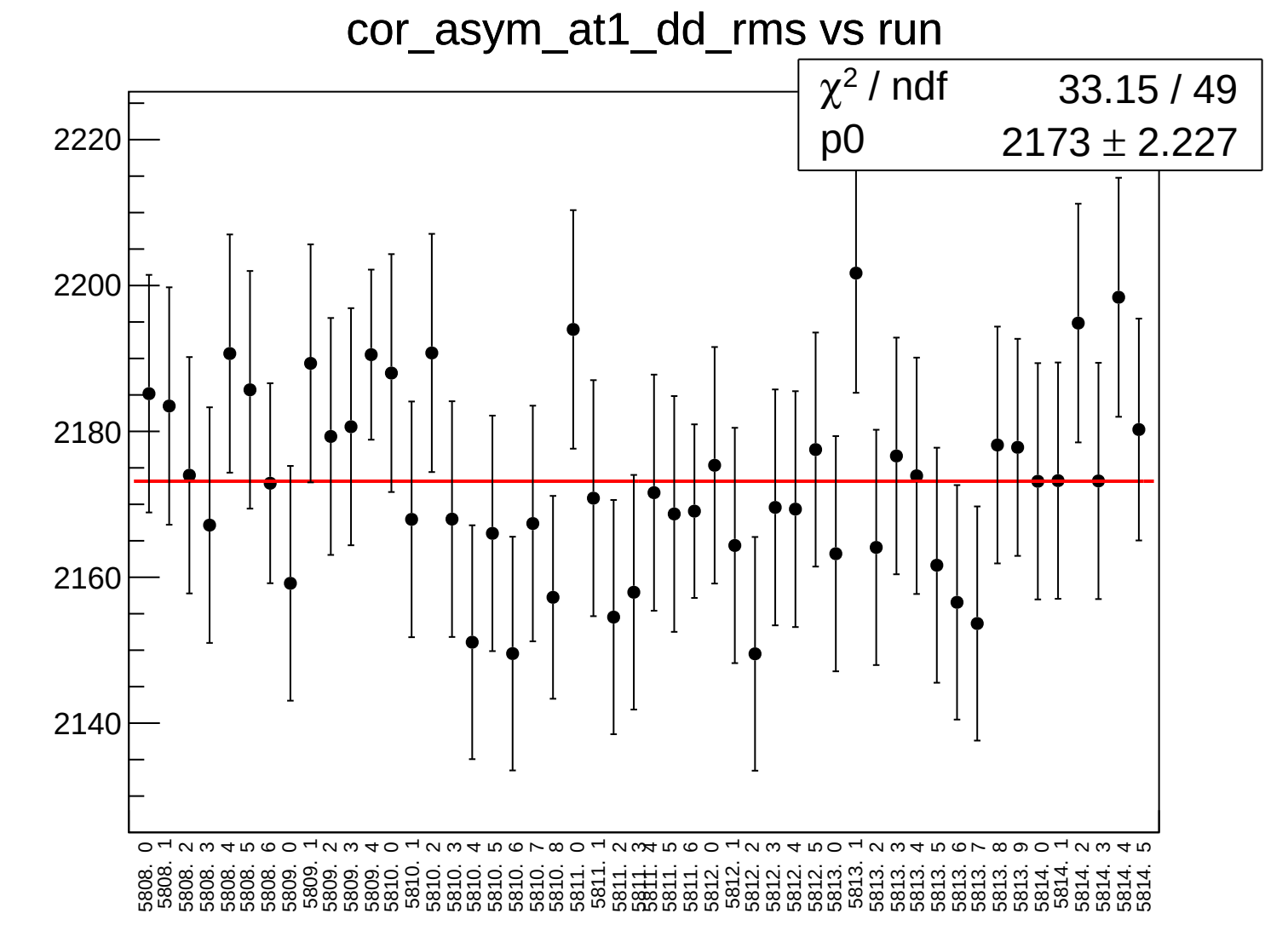
5814. 5


cor_asym_at1_dd_mean vs run
χ² / ndf 36.58 / 49
p0 79.29 ± 3150
pull
Entries 50
Mean 131.3
Std Dev 0


pull1D
Entries 50
Mean −0.0103
Std Dev 0.8553


cor_asym_at1_dd_rms vs run
χ² / ndf 33.15 / 49
p0 2173 ± 2.227
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
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5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
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5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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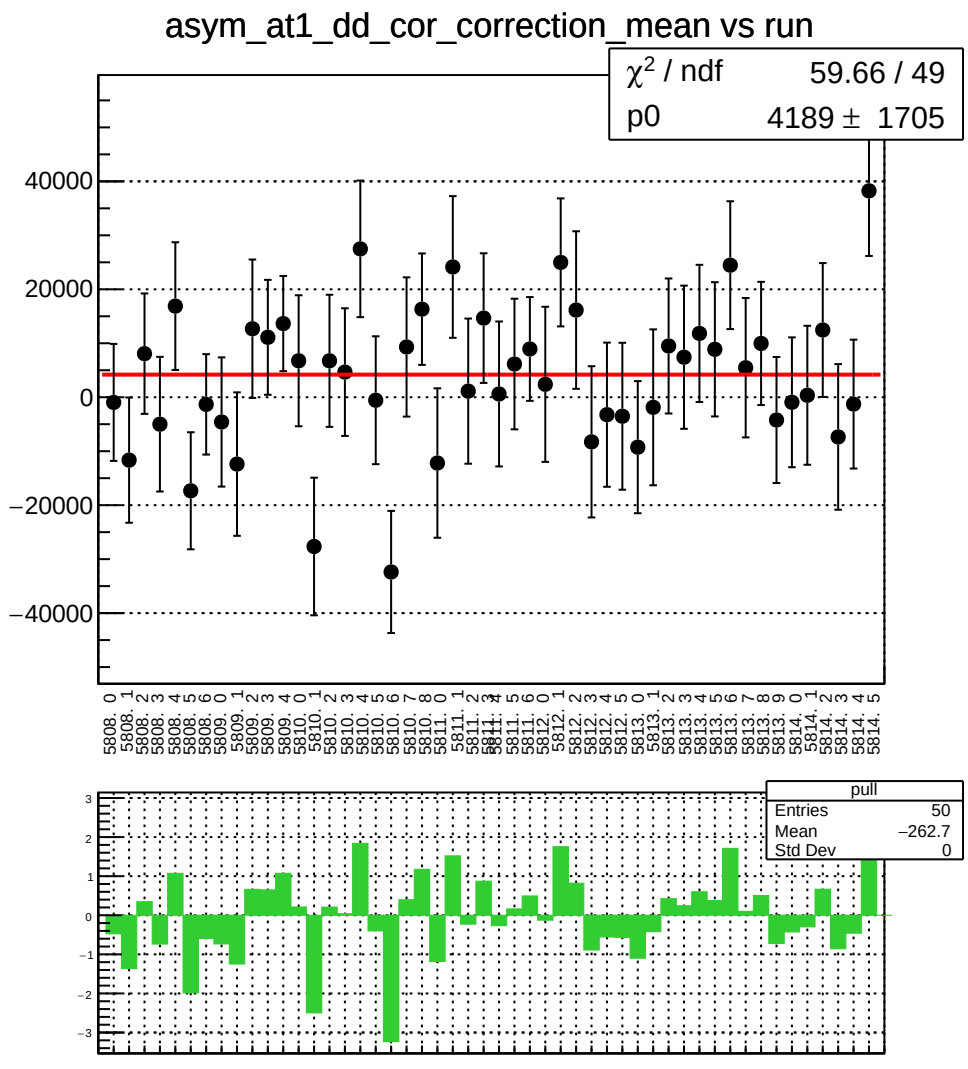
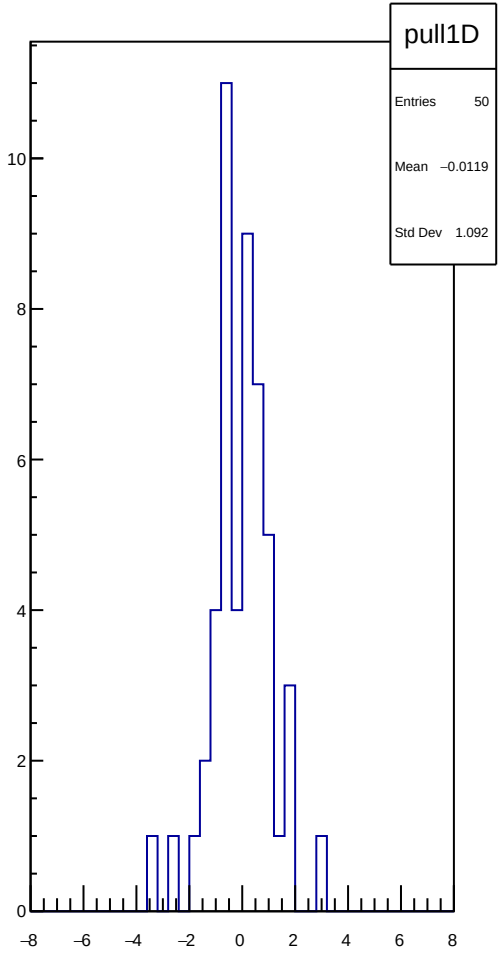
5814. 4
5814. 5


asym_at1_dd_cor_correction_mean vs run
χ² / ndf 59.66 / 49
p0 4189 ± 1705
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −262.7
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.0119
Std Dev 1.092
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4
2
0
−8
−6
−4
−2
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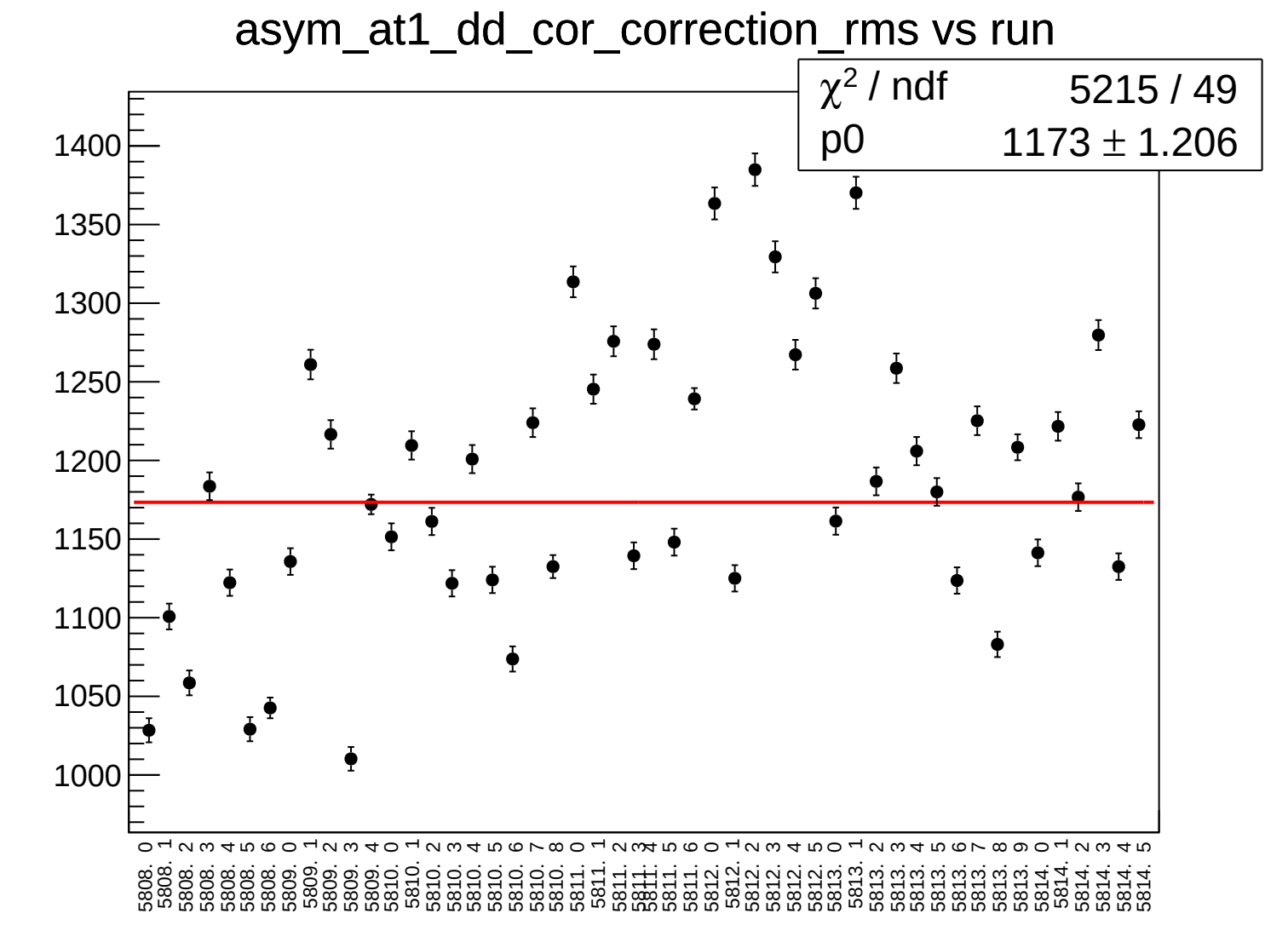
2
4
6
8


asym_at1_dd_cor_correction_rms vs run
χ² / ndf 5215 / 49
p0 1173 ± 1.206
1400
1350
1300
1250
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
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5814. 2
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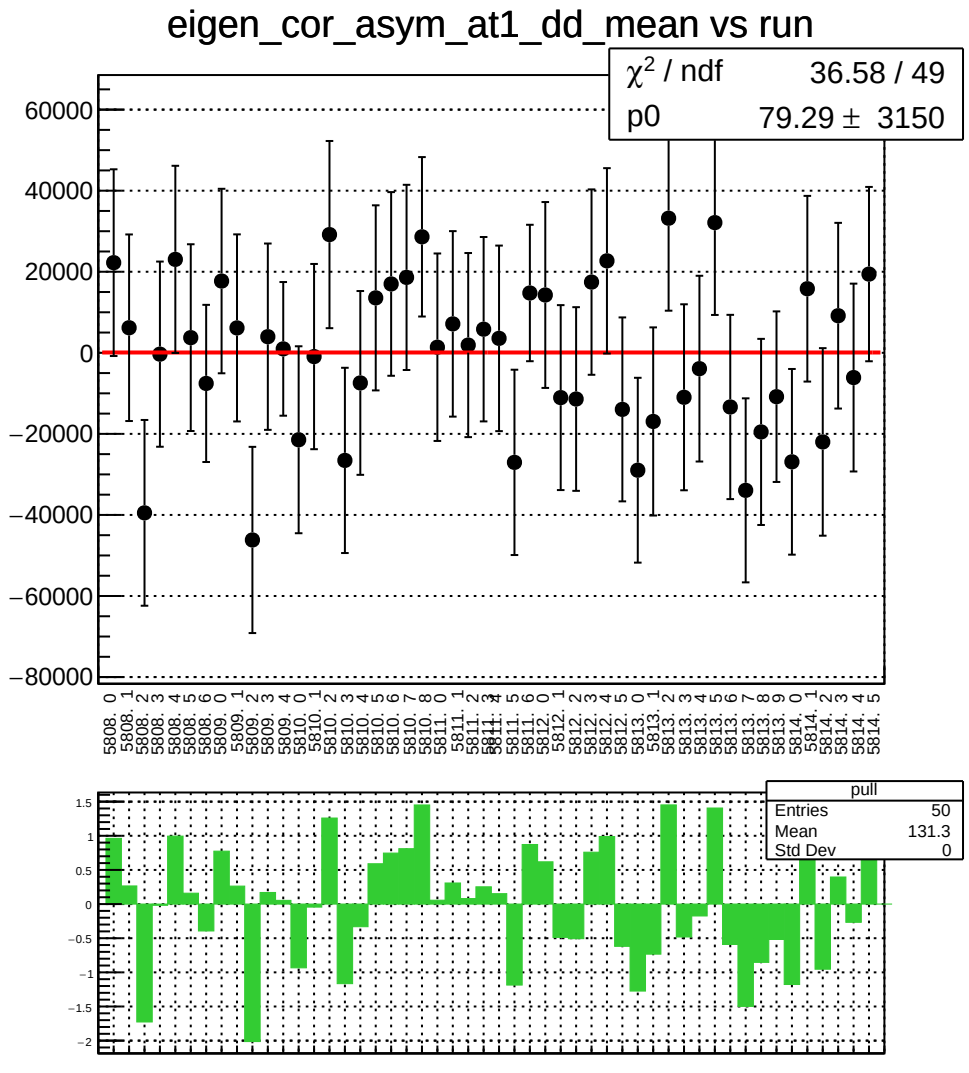
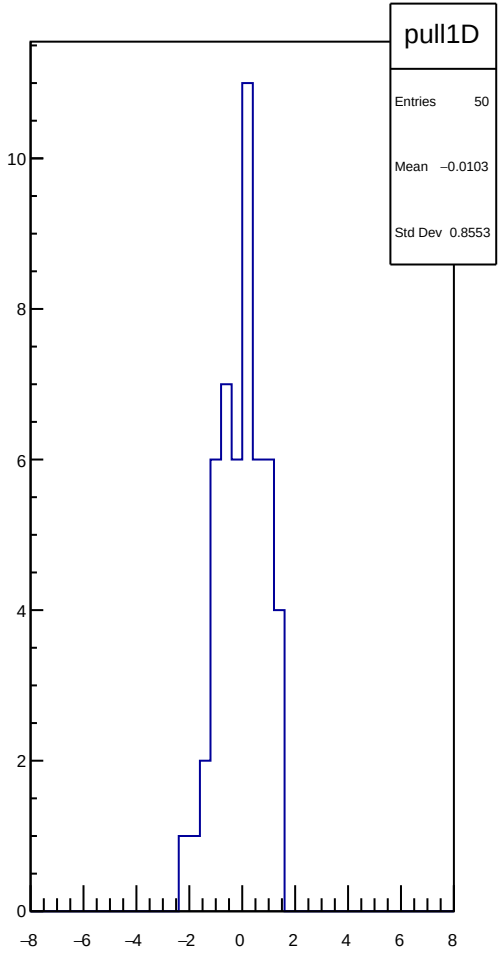
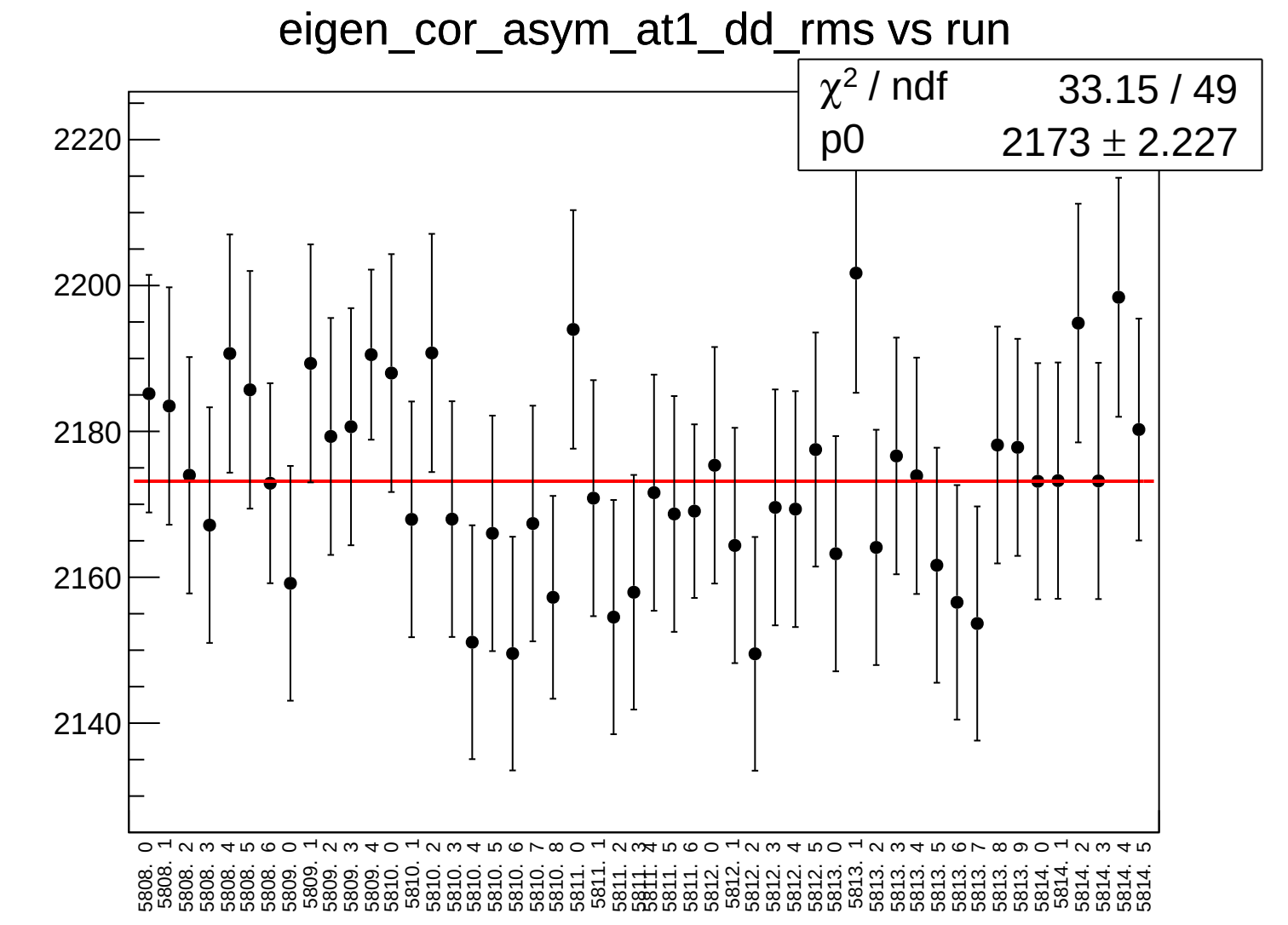
5814. 4
5814. 5


eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 36.58 / 49
p0 79.29 ± 3150
pull
Entries 50
Mean 131.3
Std Dev 0


pull1D
Entries 50
Mean −0.0103
Std Dev 0.8553


eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 33.15 / 49
p0 2173 ± 2.227
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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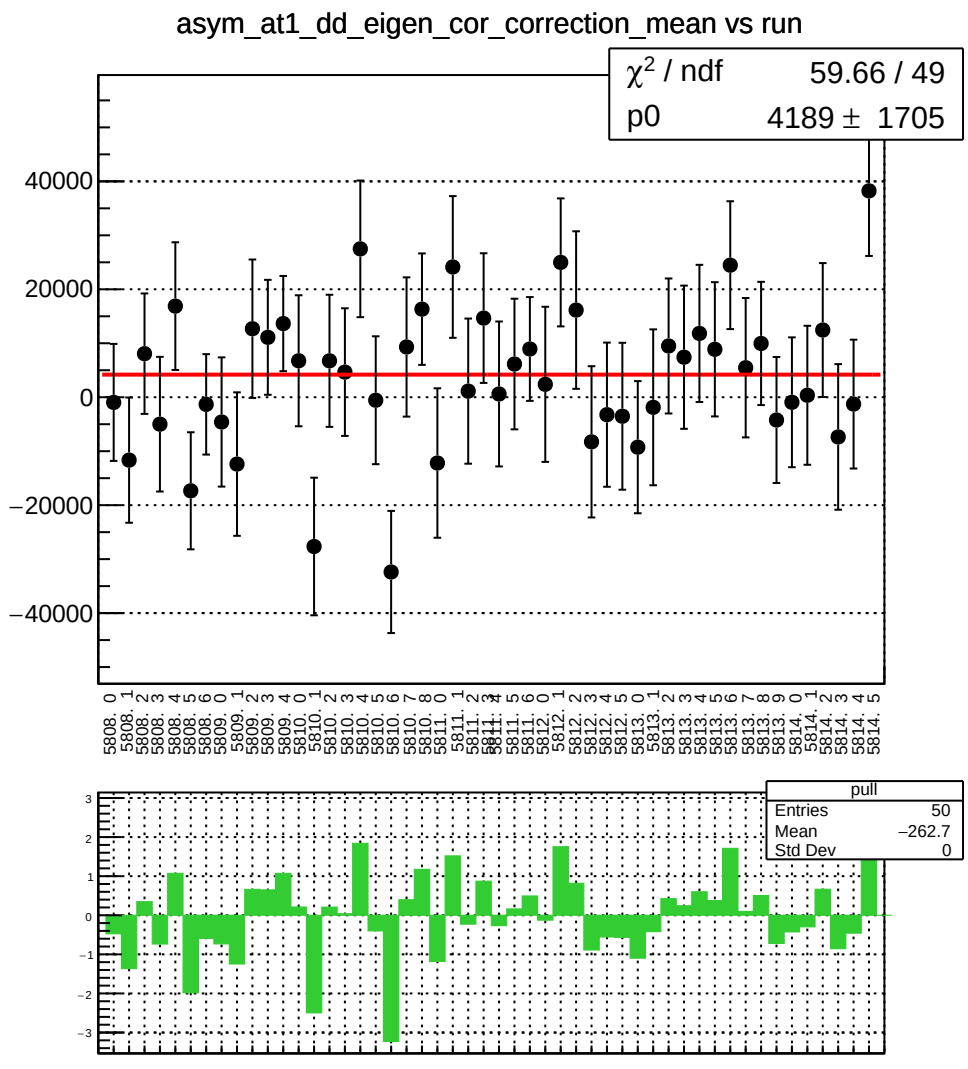
5814. 5


asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.66 / 49
p0 4189 ± 1705
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −262.7
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0119
Std Dev 1.092
10
8
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−4
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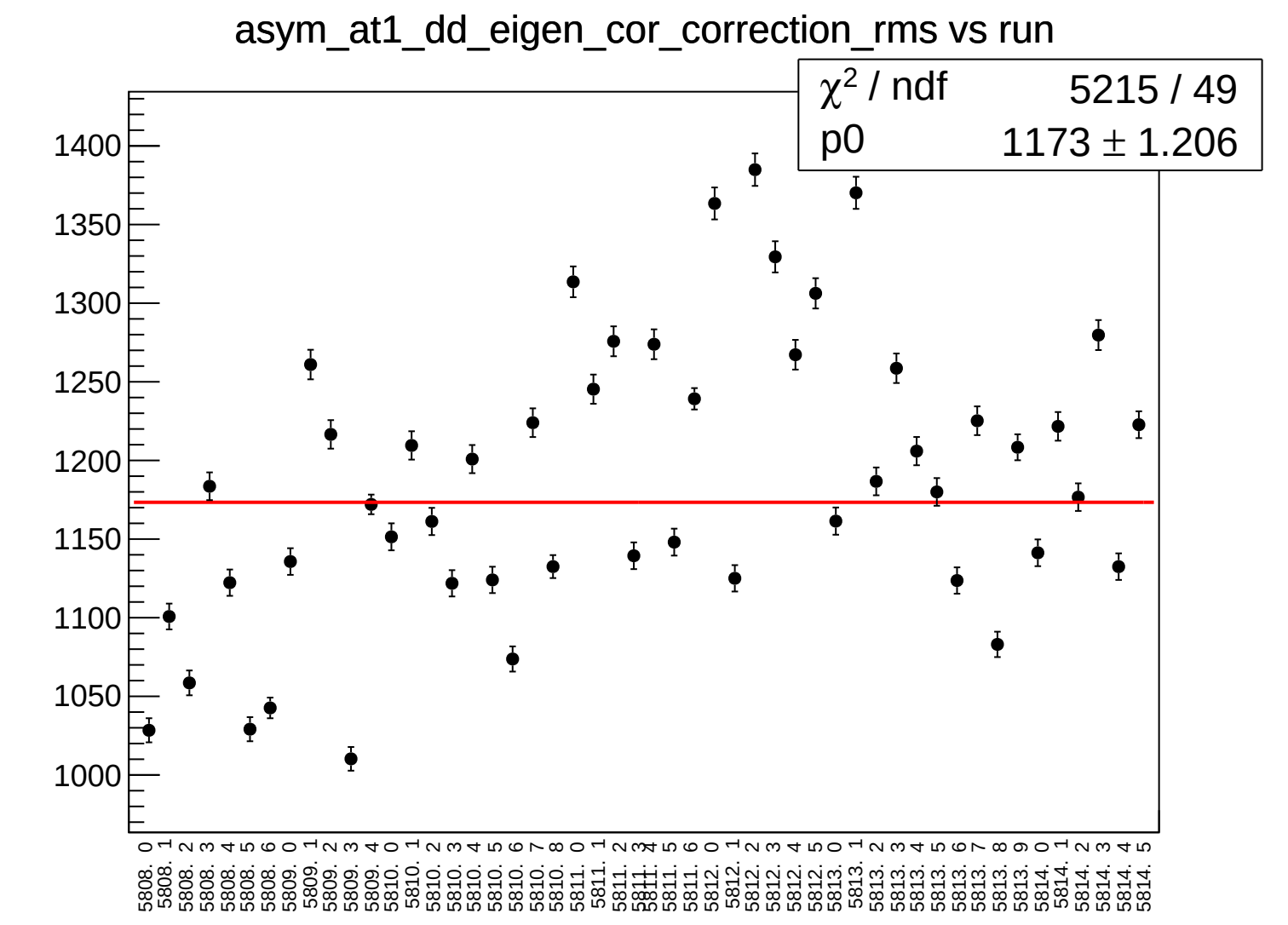
6
8


asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 5215 / 49
p0 1173 ± 1.206
1400
1350
1300
1250
1200
1150
1100
1050
1000
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
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5809. 4
5810. 0
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5810. 8
5811. 0
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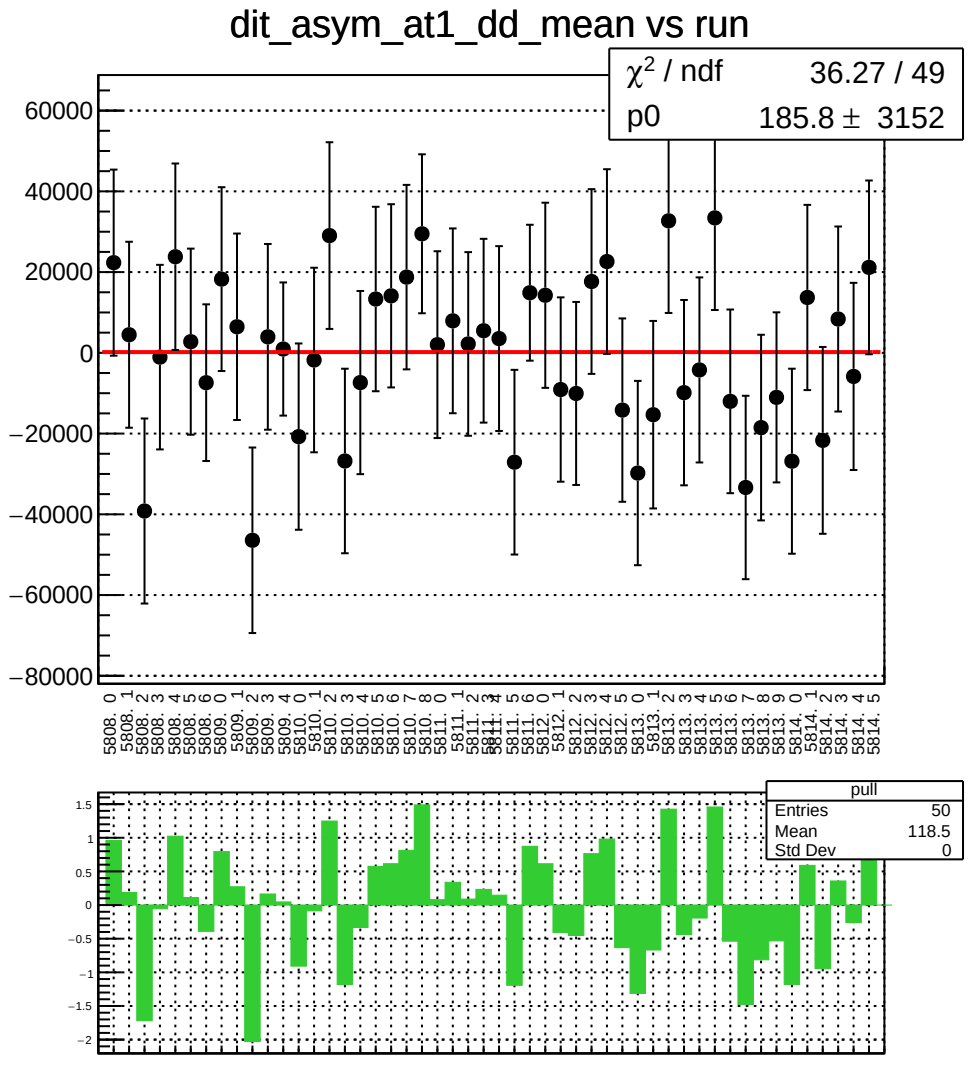
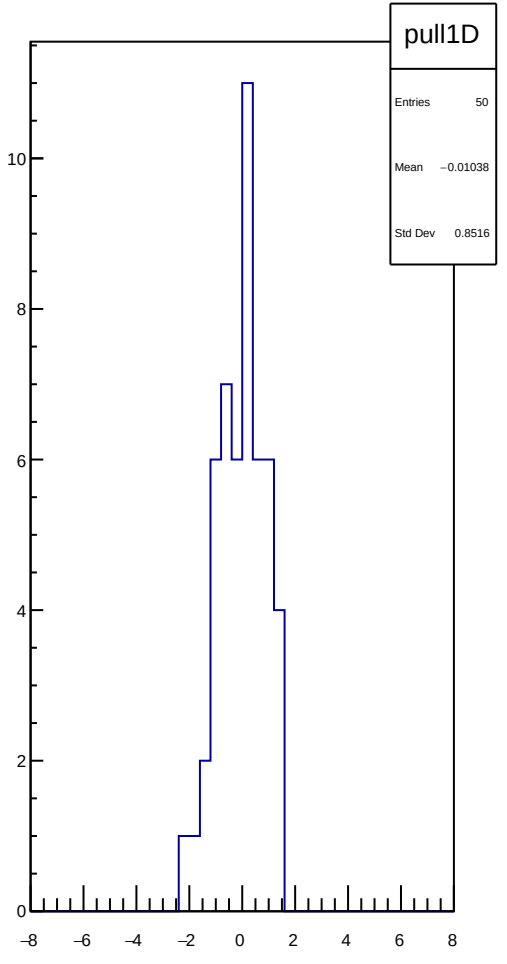
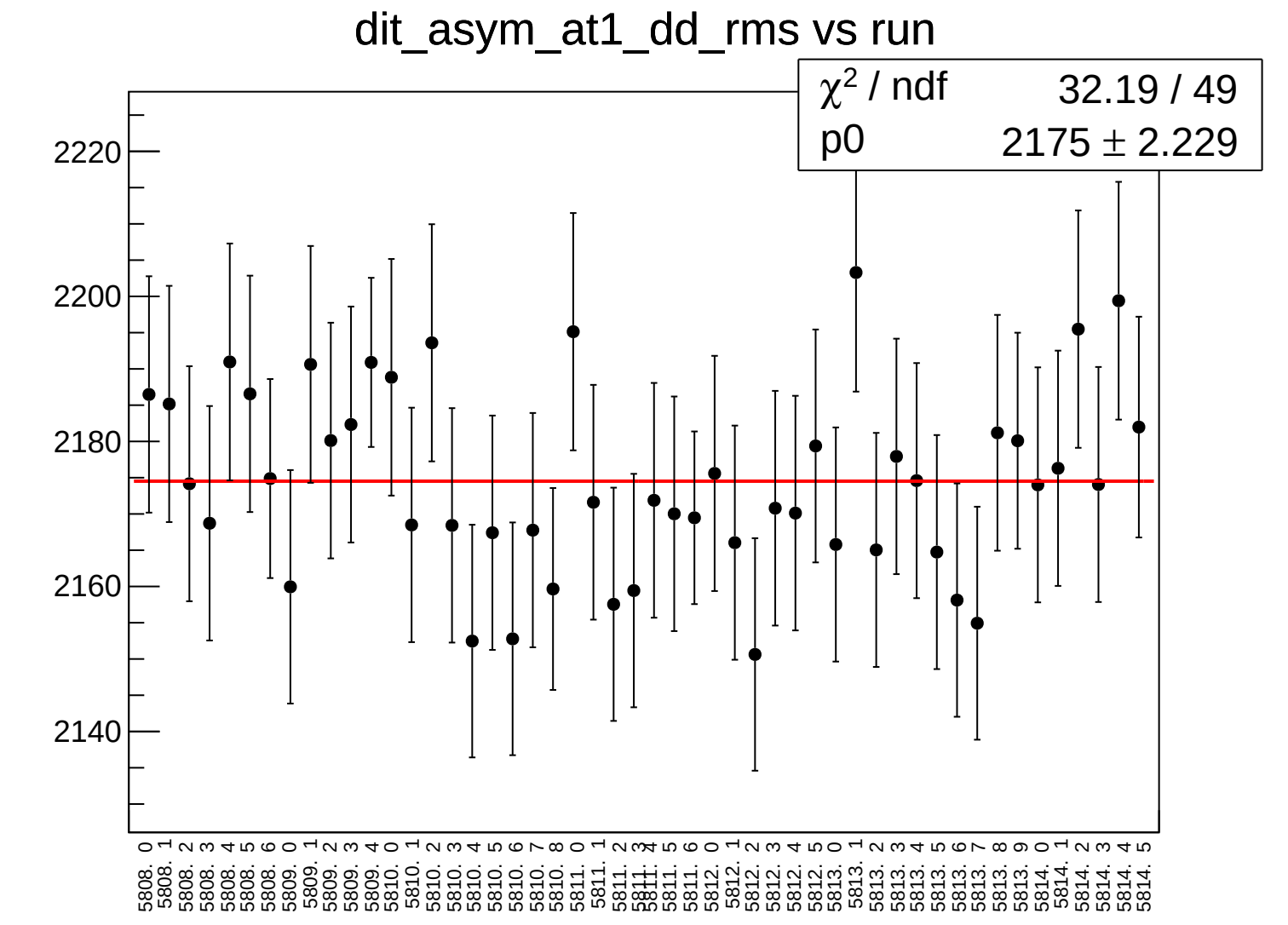
5814. 5


dit_asym_at1_dd_mean vs run
χ² / ndf 36.27 / 49
p0 185.8 ± 3152
pull
Entries 50
Mean 118.5
Std Dev 0


pull1D
Entries 50
Mean −0.01038
Std Dev 0.8516


dit_asym_at1_dd_rms vs run
χ² / ndf 32.19 / 49
p0 2175 ± 2.229
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
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5809. 4
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5810. 6
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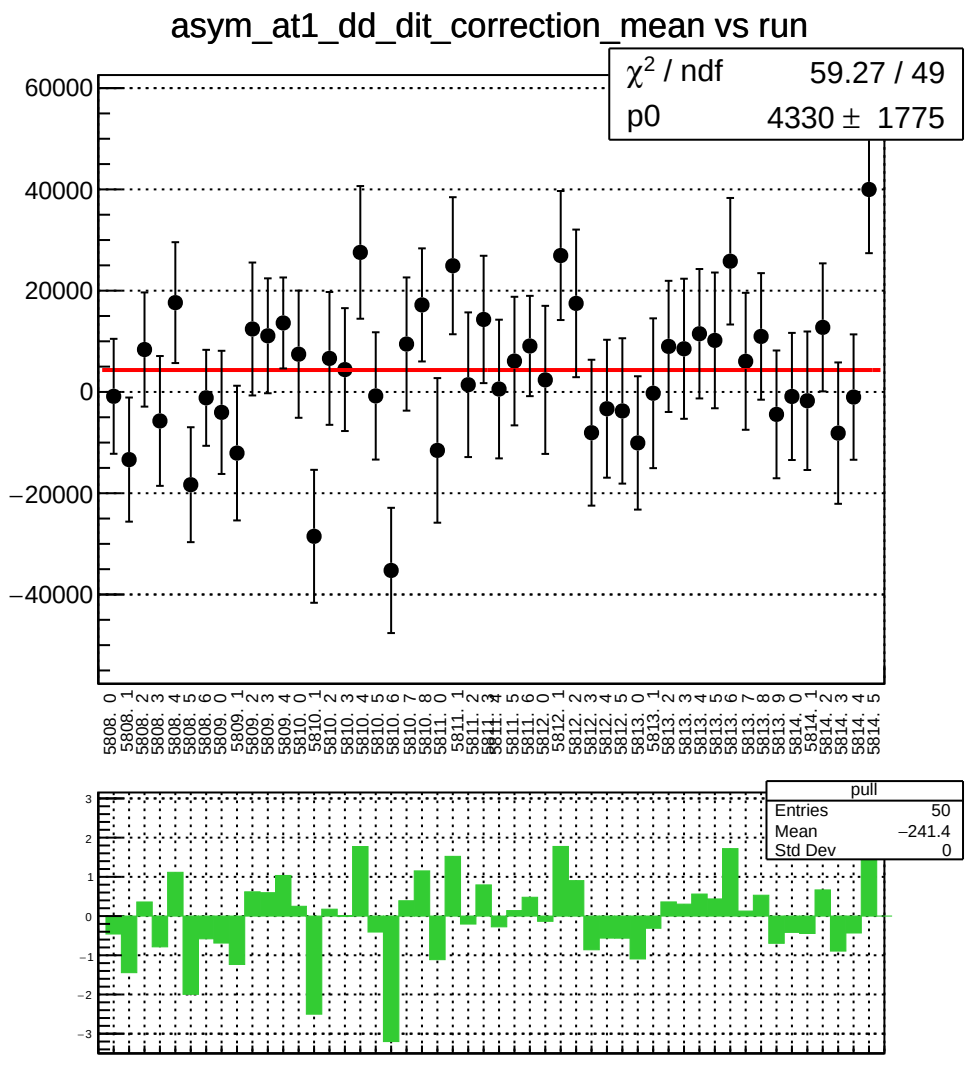
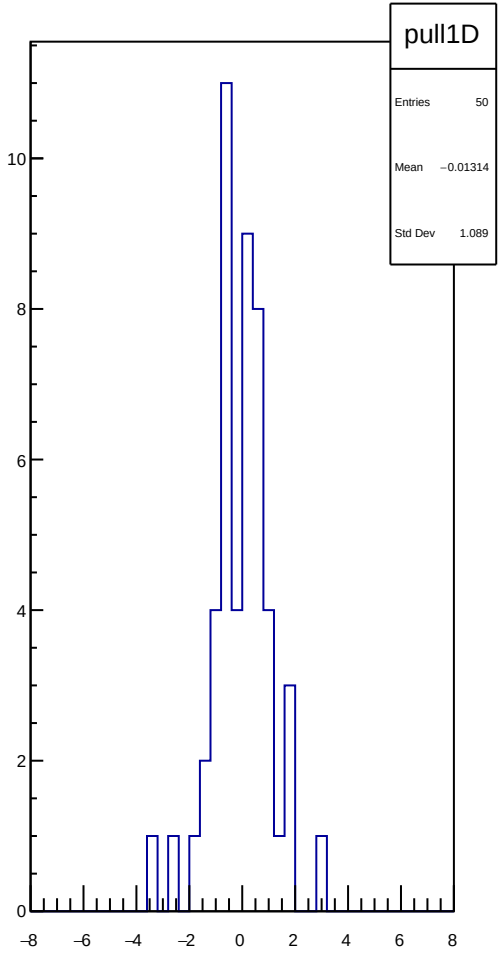
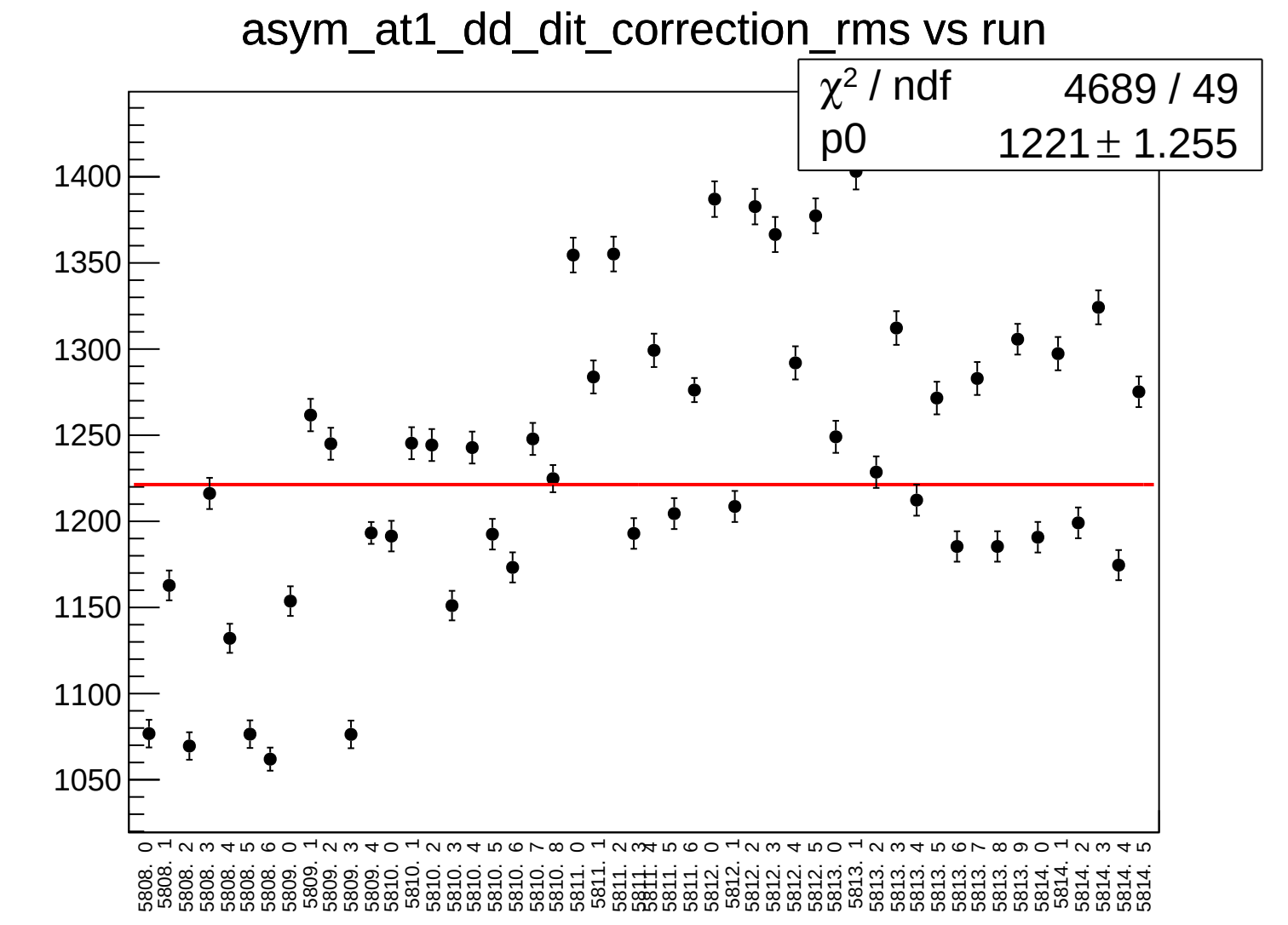

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 59.27 / 49
p0 4330 ± 1775
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −241.4
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01314
Std Dev 1.089
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 4689 / 49
p0 1221 ± 1.255
1400
1350
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
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5811. 2
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5811. 6
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5813. 1
5813. 2
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5813. 4
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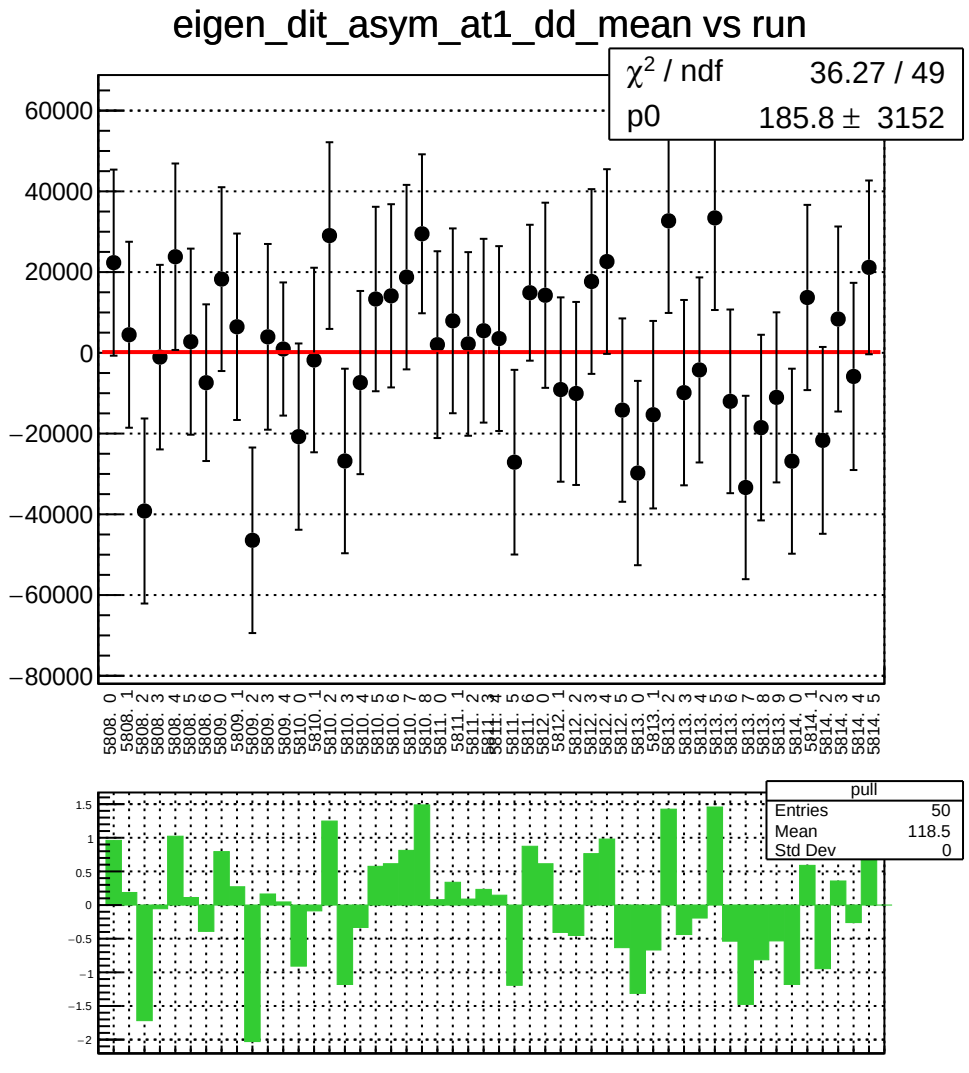
5814. 5


eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 36.27 / 49
p0 185.8 ± 3152
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5813. 6
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5814. 2
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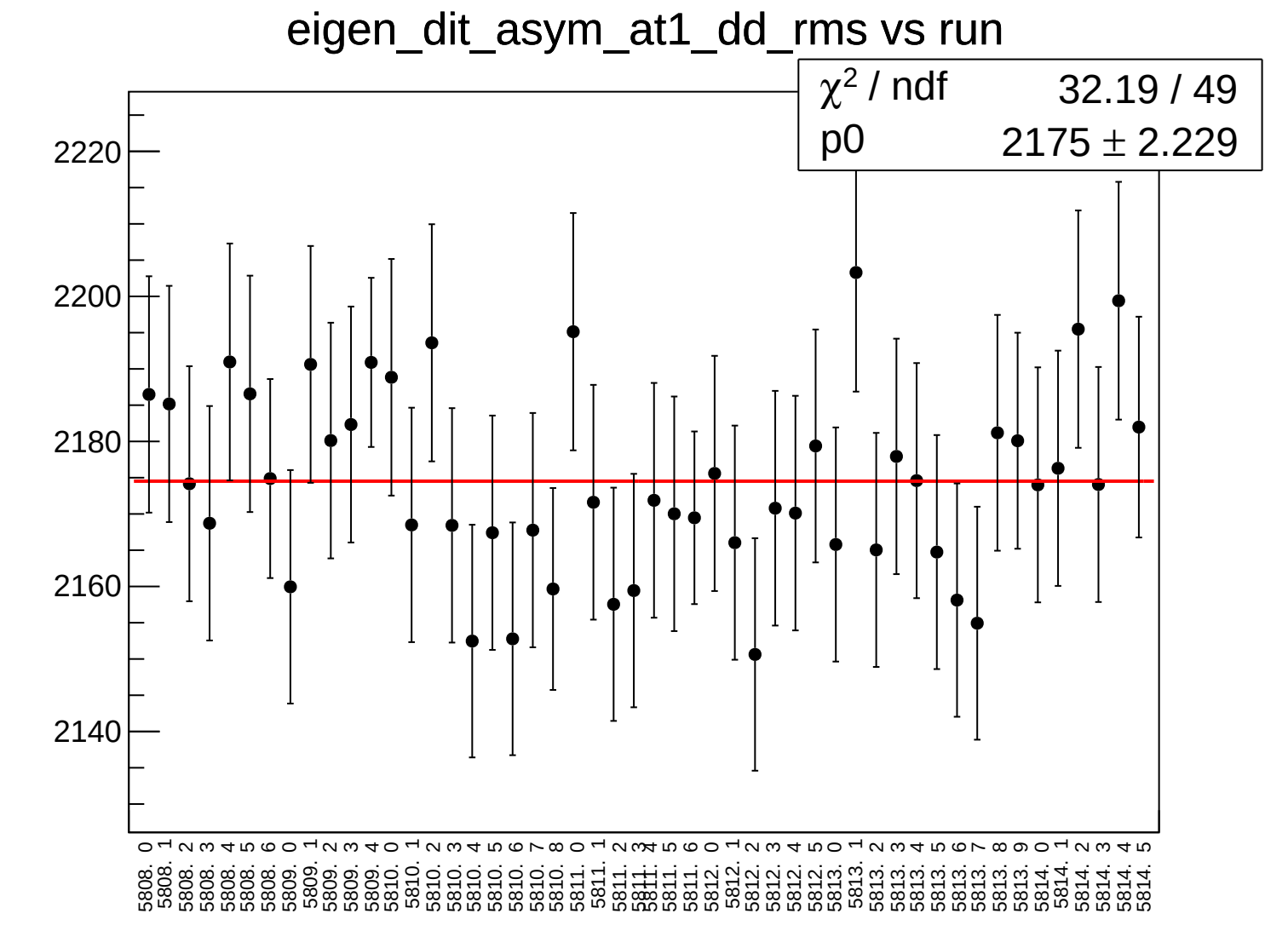
5814. 5
pull
Entries 50
Mean 118.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01038
Std Dev 0.8516
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 32.19 / 49
p0 2175 ± 2.229
2220
2200
2180
2160
2140
5808. 0
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5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 3
5809. 4
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5810. 2
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
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5812. 0
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5812. 3
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5813. 4
5813. 5
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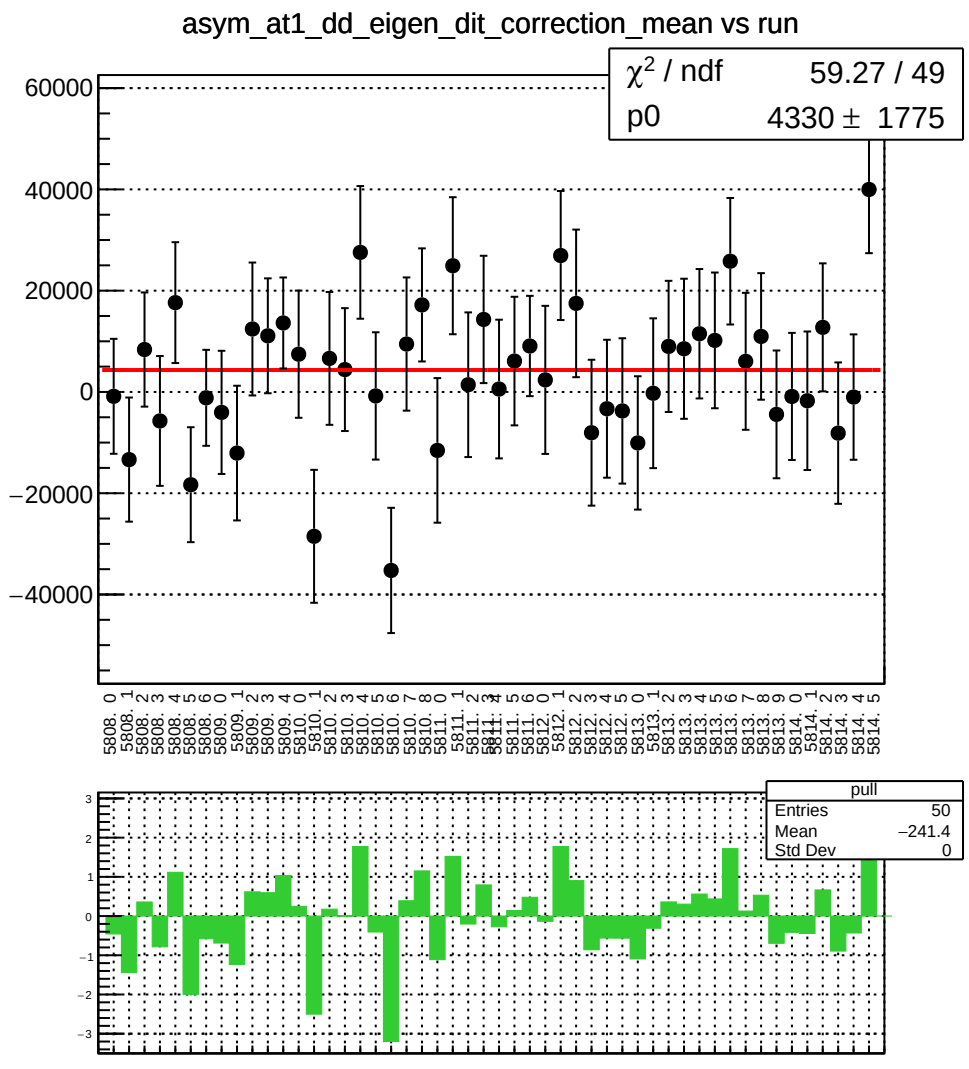
asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.27 / 49
p0 4330 ± 1775
60000
40000
20000
0
−20000
−40000
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5808. 2
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5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
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5810. 0
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5810. 7
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5811. 0
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5812. 5
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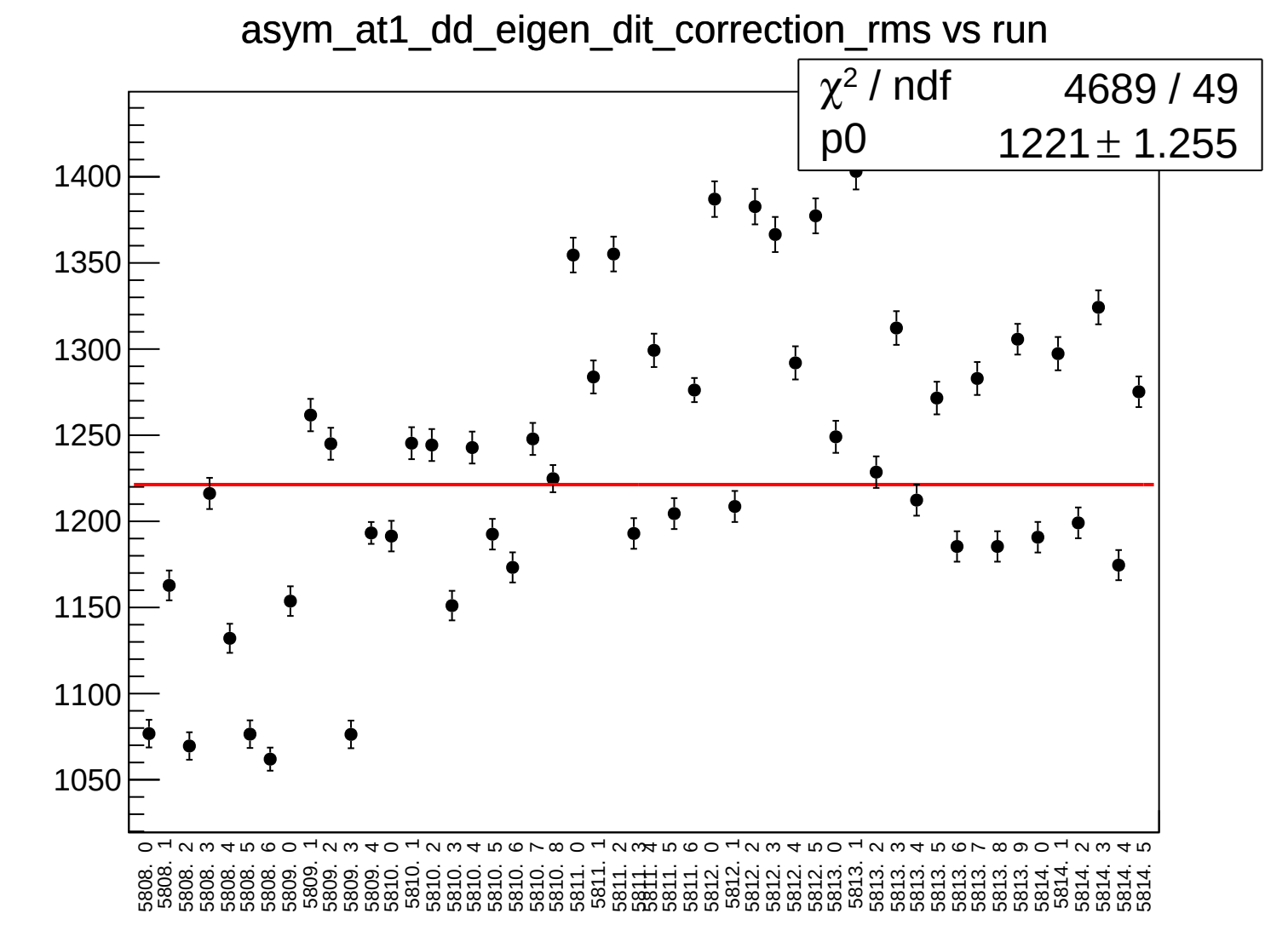
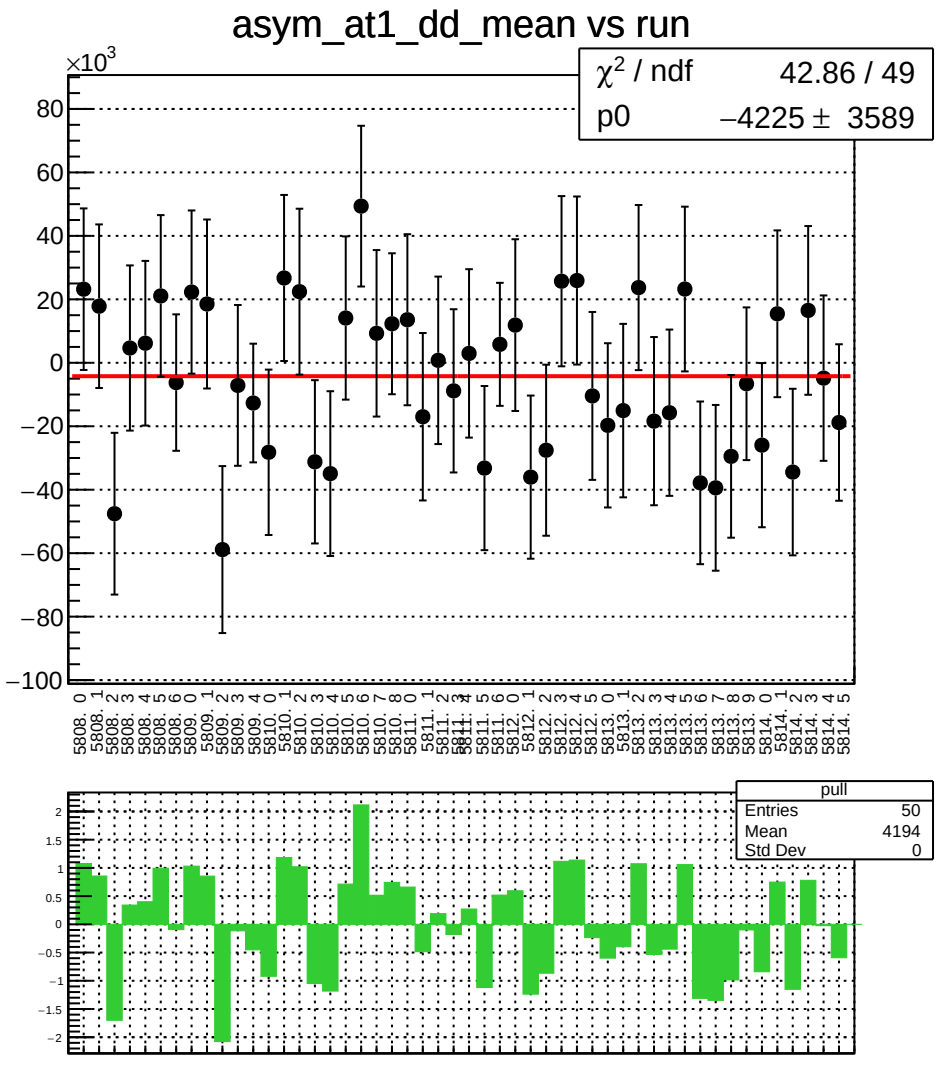
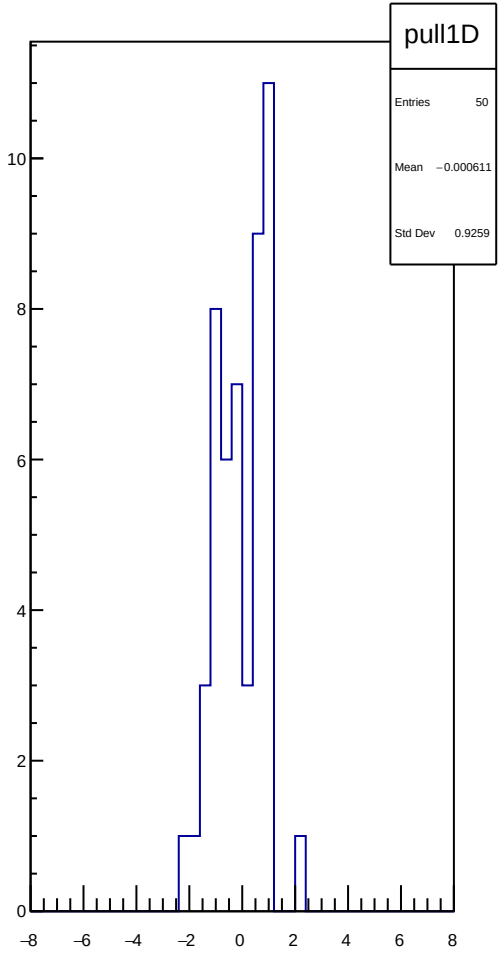
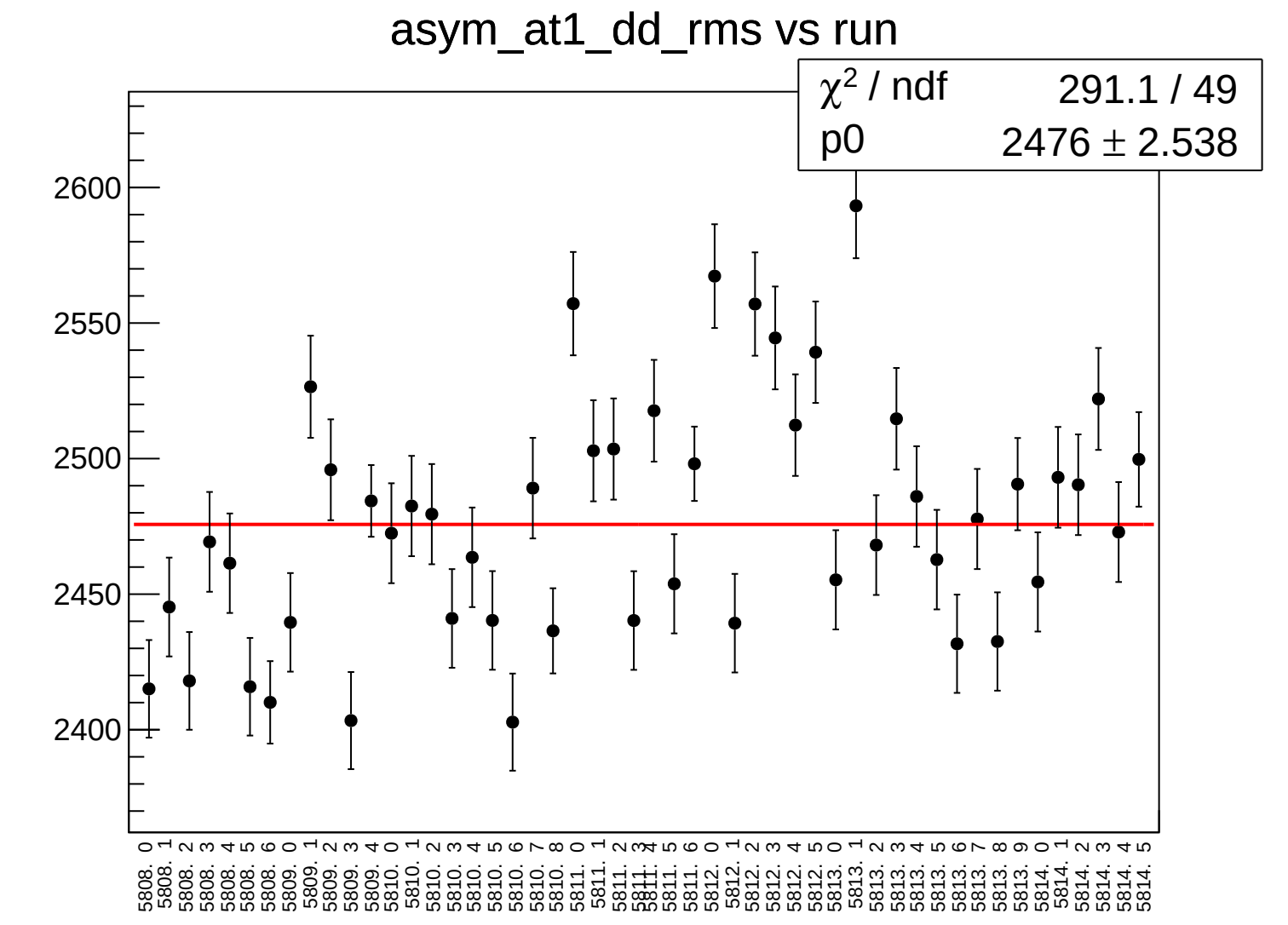
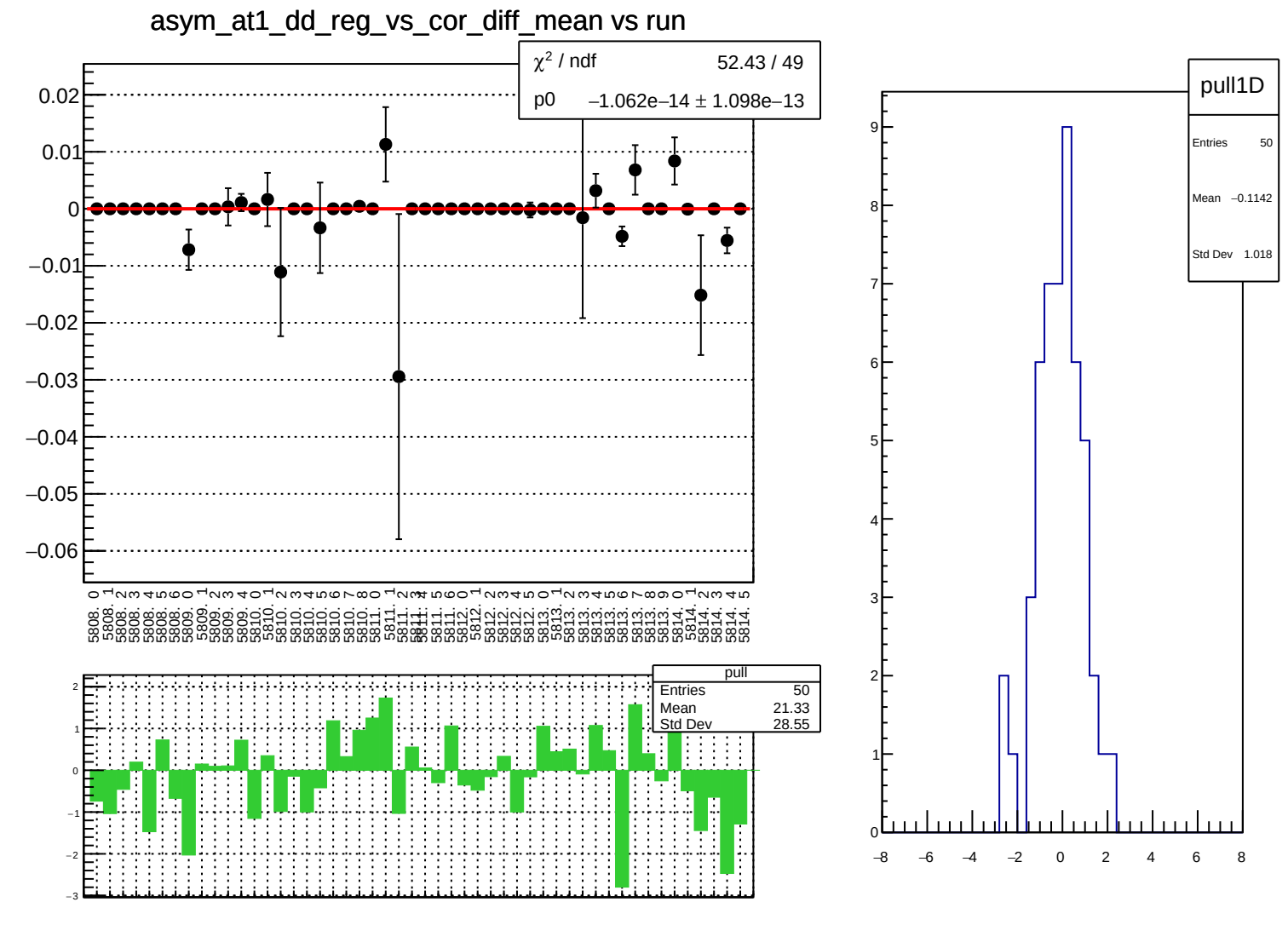
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −241.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01314
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

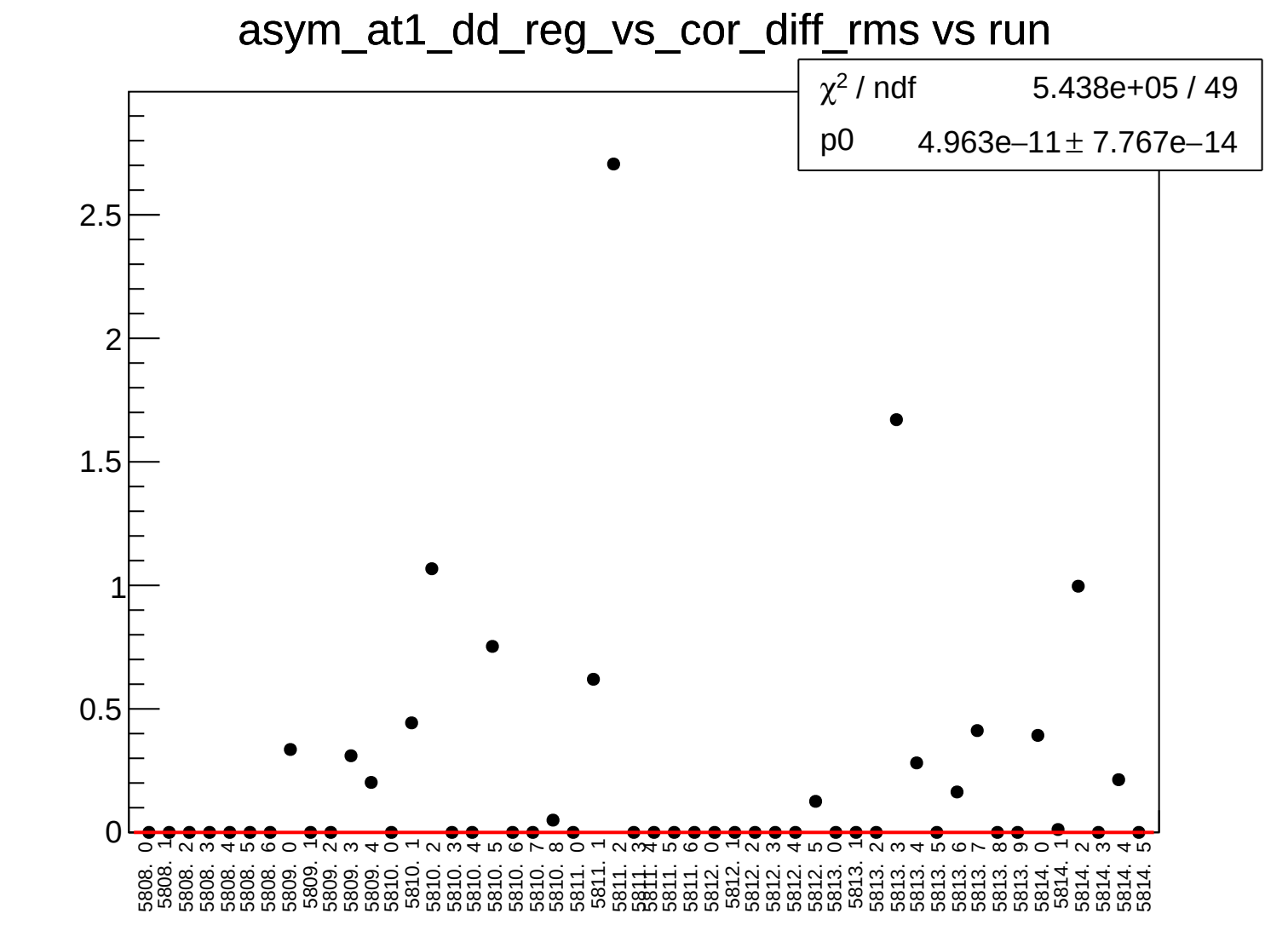

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4689 / 49
p0 1221 ± 1.255
1400
1350
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

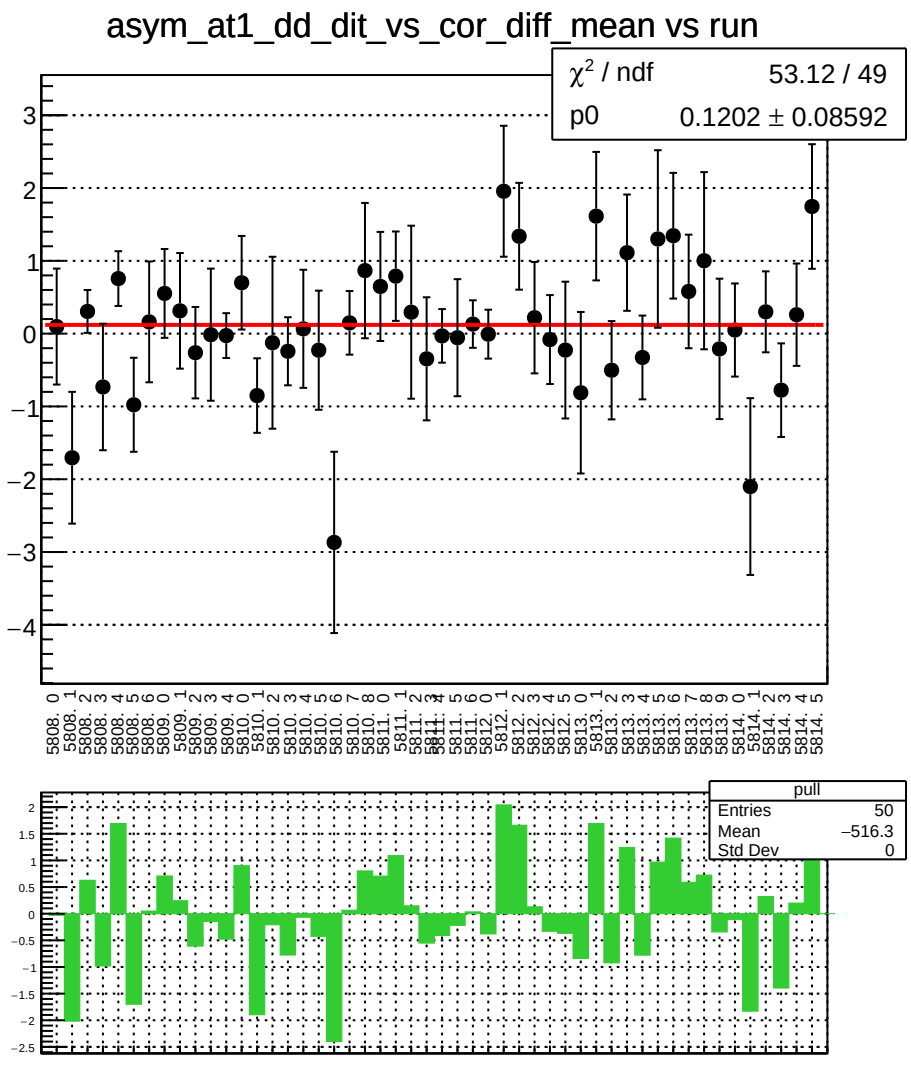

asym_at1_dd_mean vs run
×10^3
χ² / ndf 42.86 / 49
p0 −4225 ± 3589
pull
Entries 50
Mean 4194
Std Dev 0

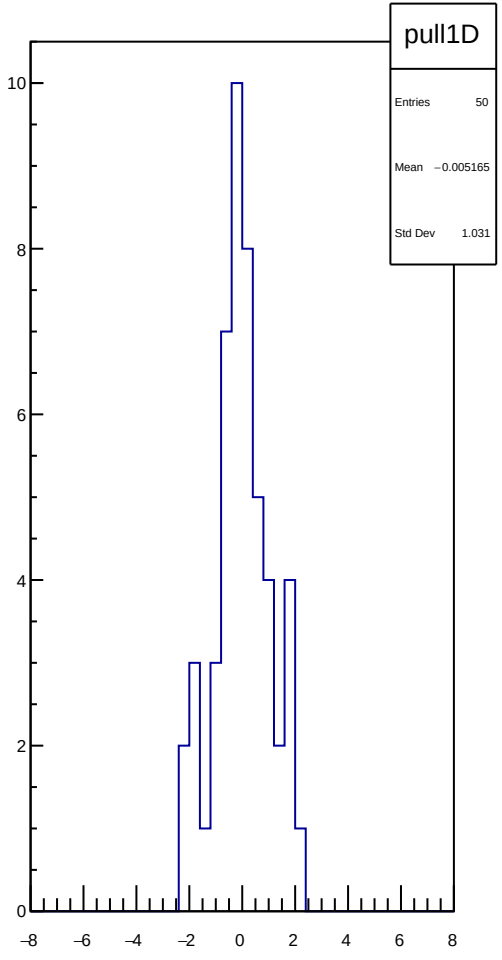

pull1D
Entries 50
Mean −0.000611
Std Dev 0.9259

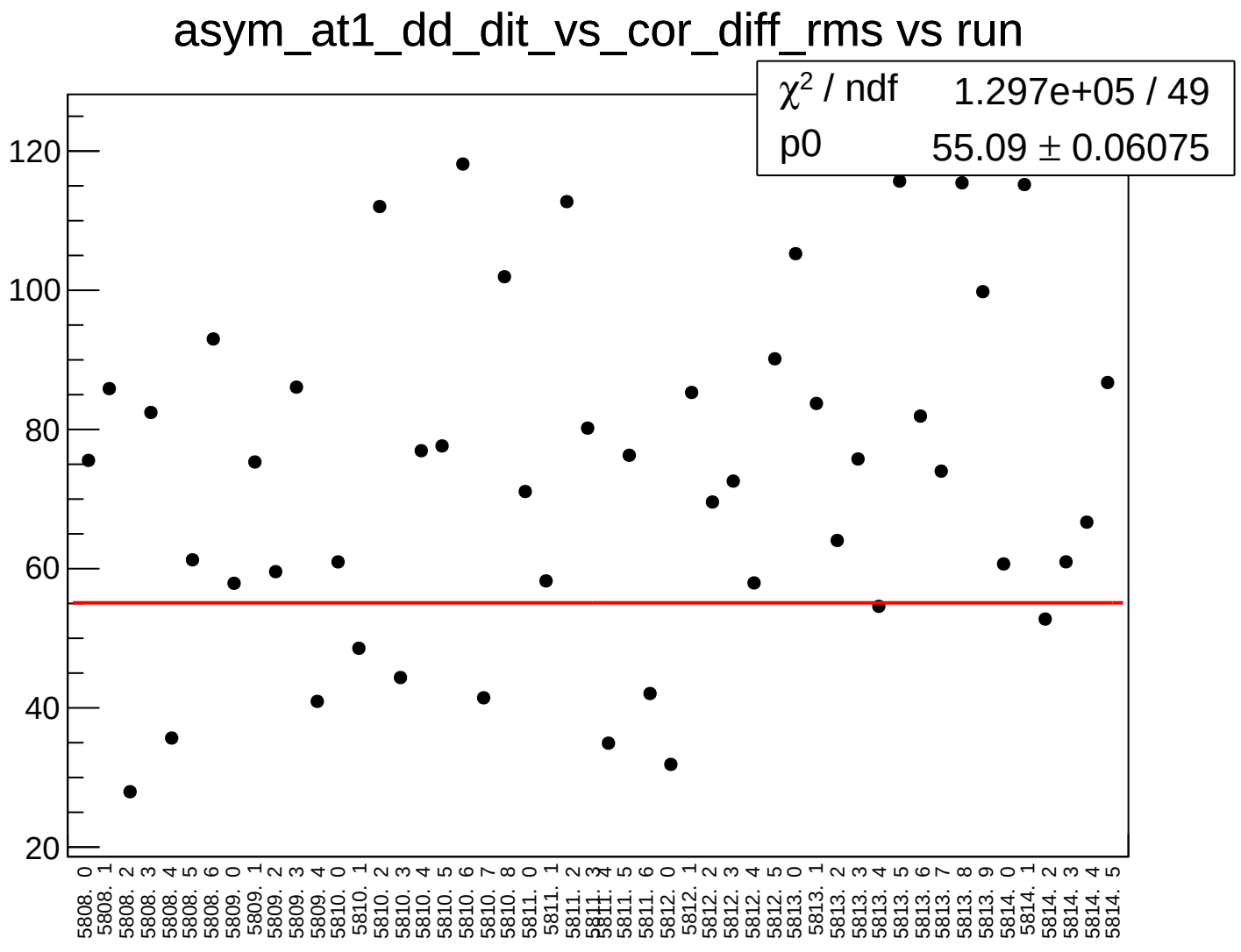

asym_at1_dd_rms vs run
χ² / ndf 291.1 / 49
p0 2476 ± 2.538
2600
2550
2500
2450
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

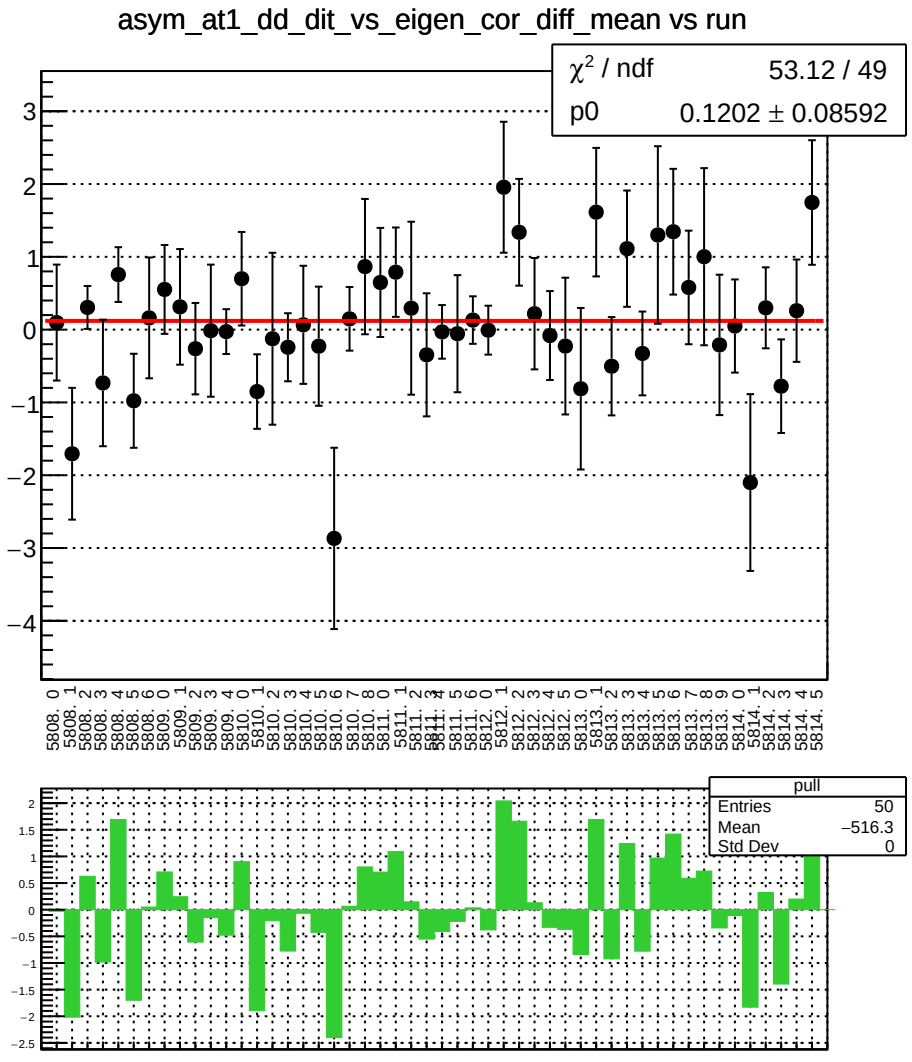

asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.43 / 49
p0 −1.062e−14 ± 1.098e−13
pull
Entries 50
Mean 21.33
Std Dev 28.55
pull1D
Entries 50
Mean −0.1142
Std Dev 1.018

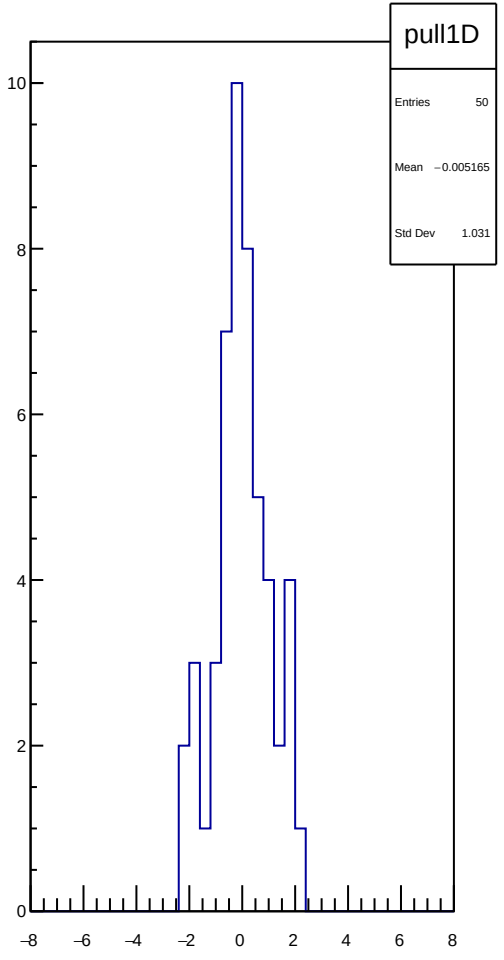

asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.438e+05 / 49
p0 4.963e−11 ± 7.767e−14
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

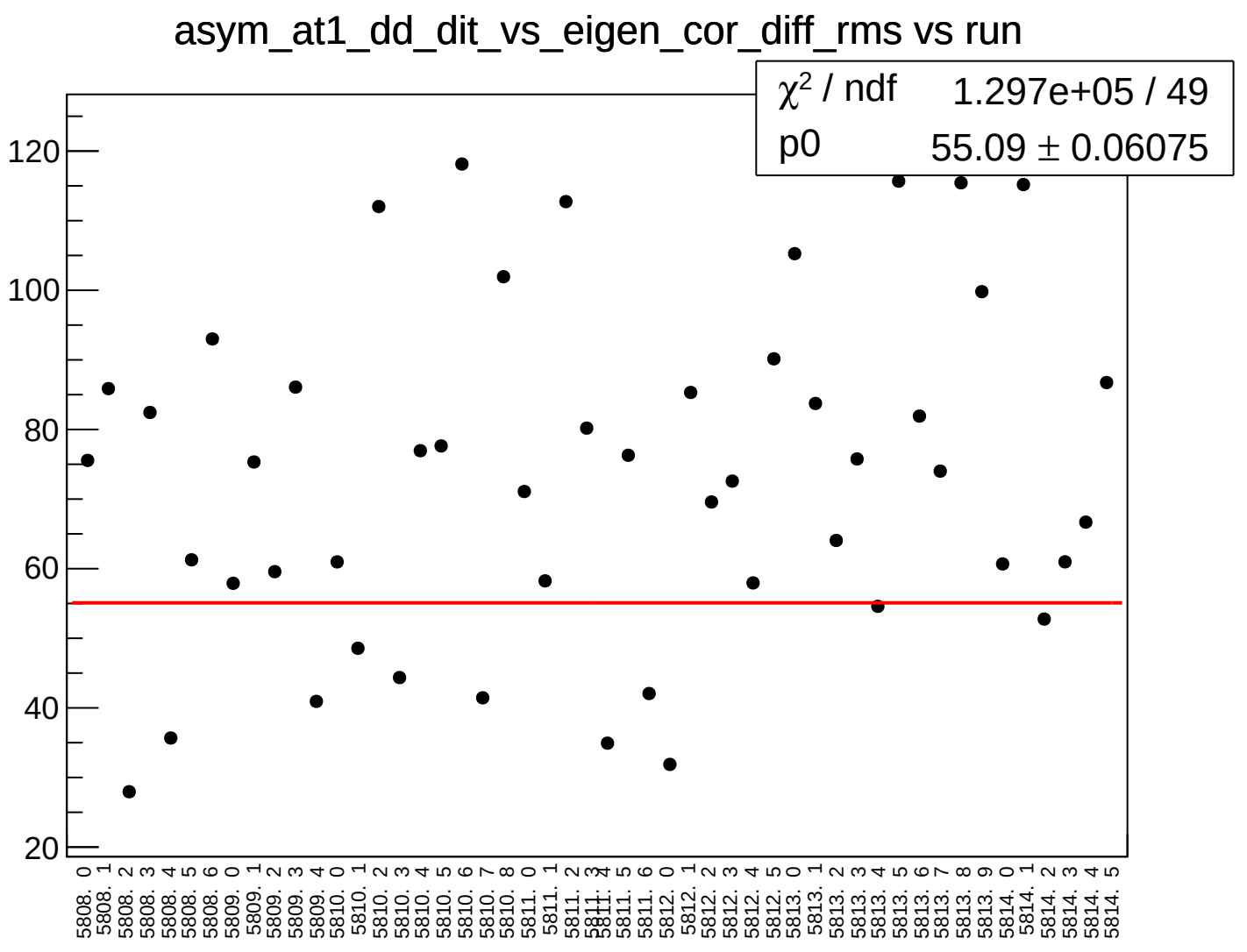

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53.12 / 49
p0 0.1202 ± 0.08592
pull
Entries 50
Mean −516.3
Std Dev 0

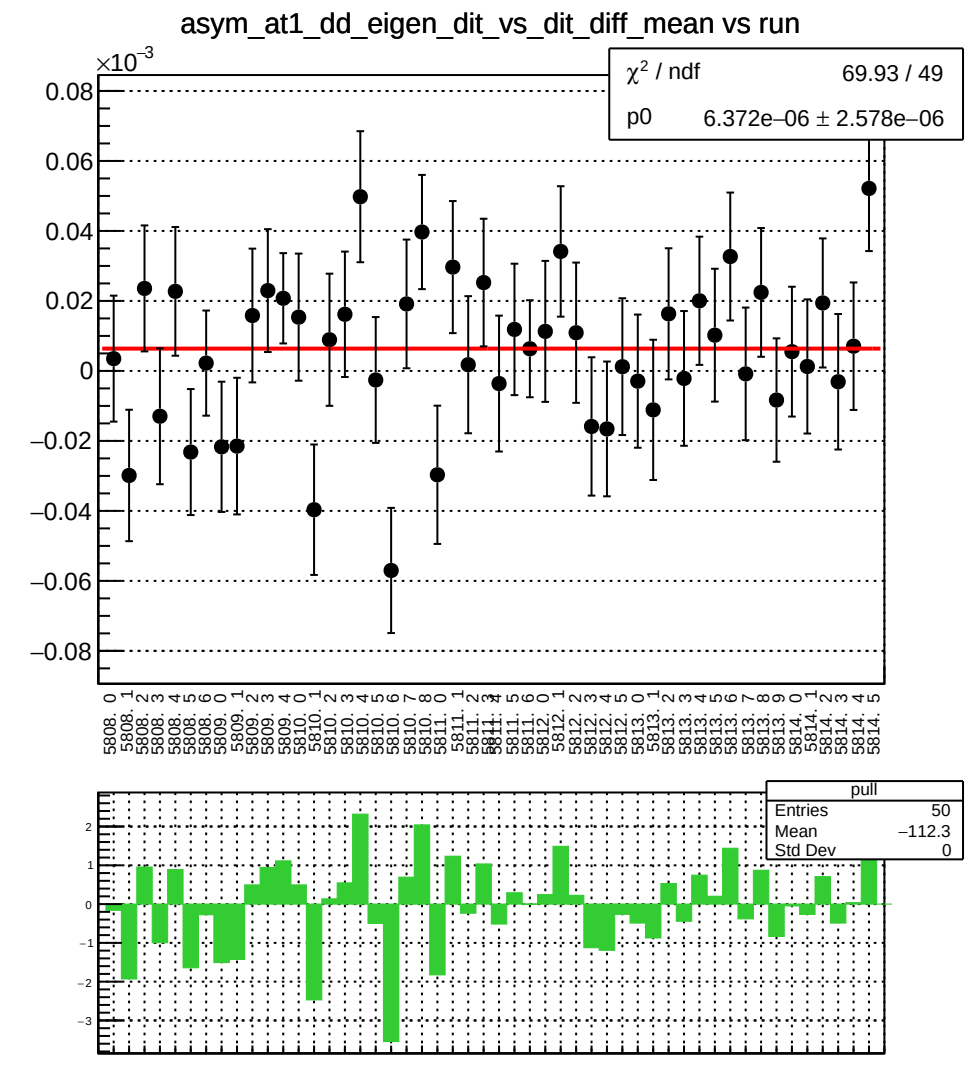

pull1D
Entries 50
Mean −0.005165
Std Dev 1.031

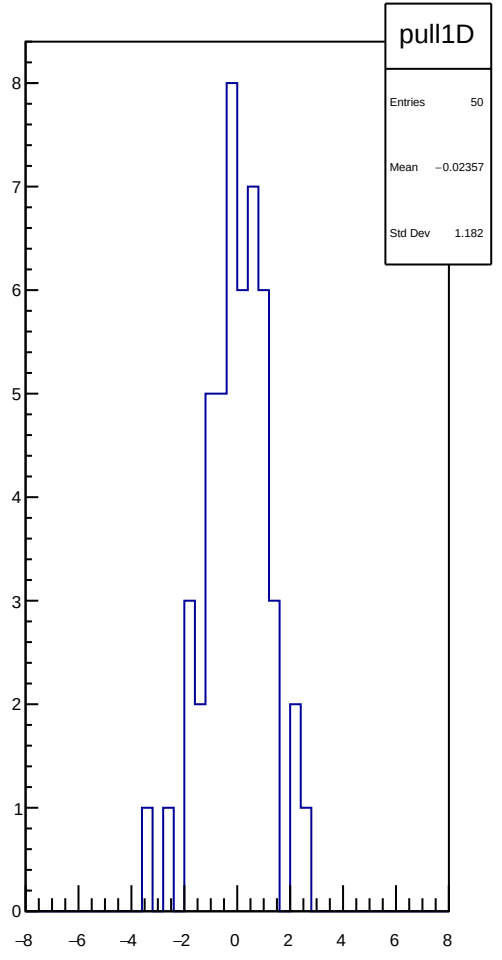

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 1.297e+05 / 49
p0 55.09 ± 0.06075
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

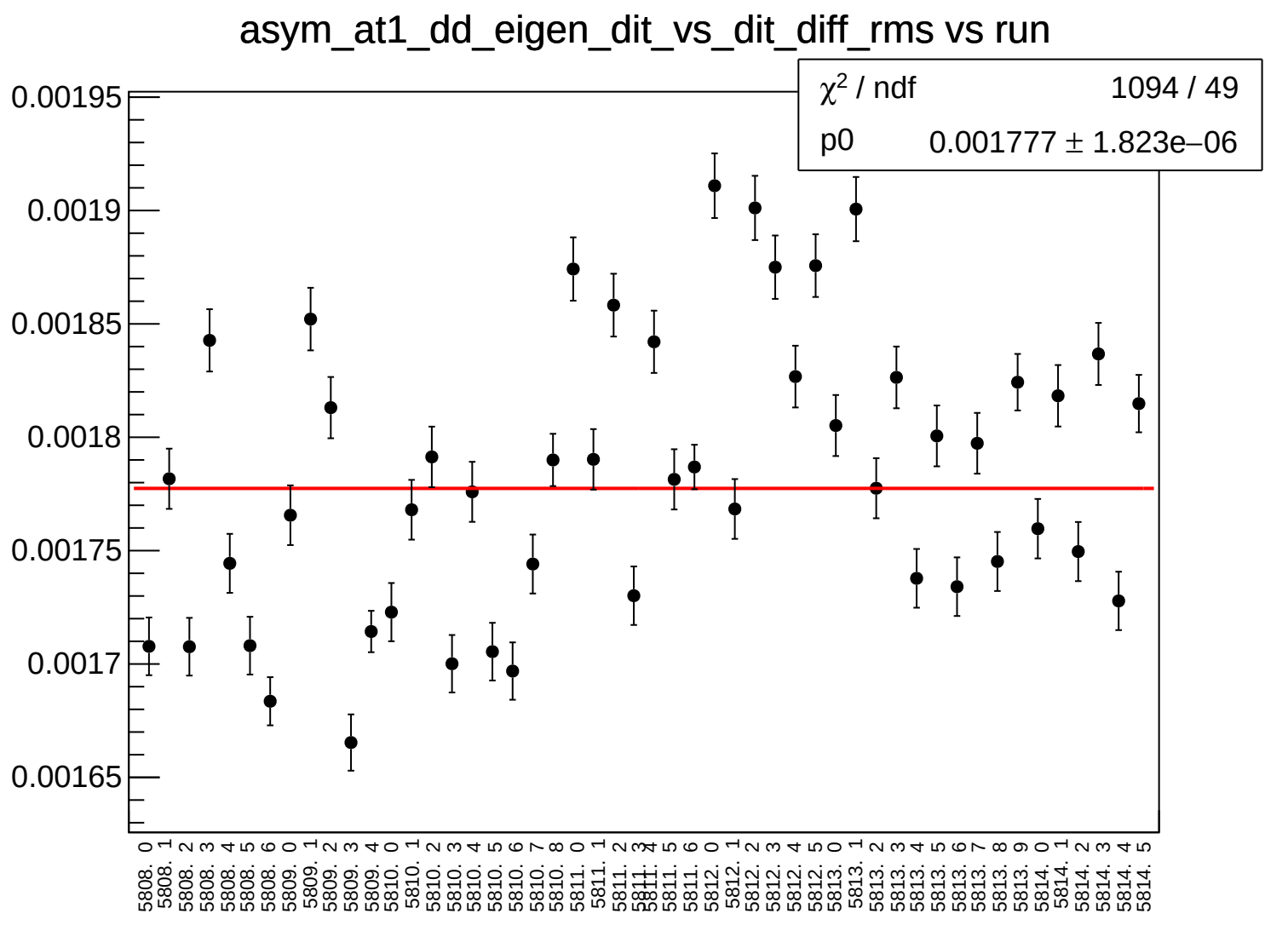

asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.12 / 49
p0 0.1202 ± 0.08592
pull
Entries 50
Mean −516.3
Std Dev 0

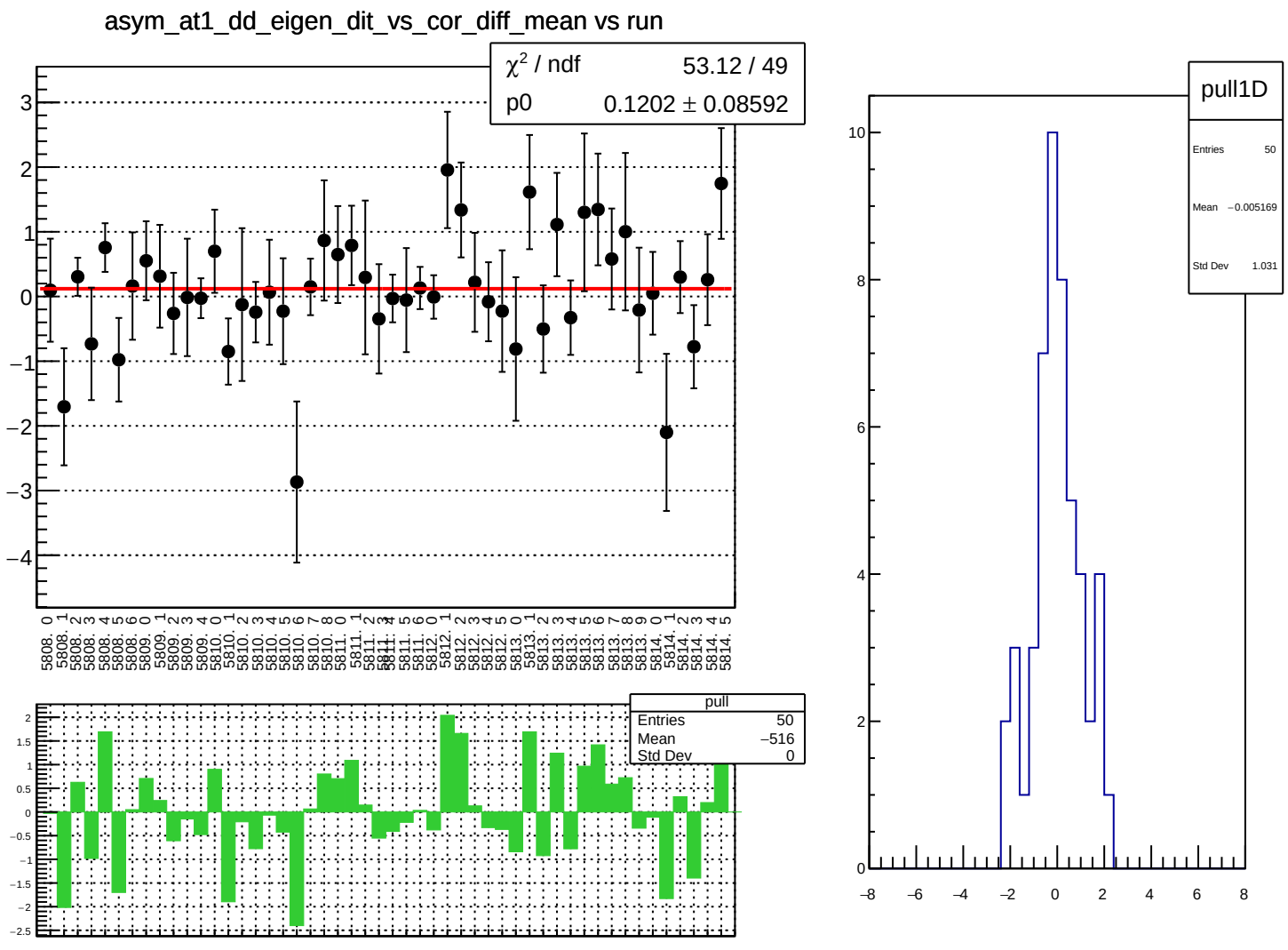

pull1D
Entries 50
Mean −0.005165
Std Dev 1.031

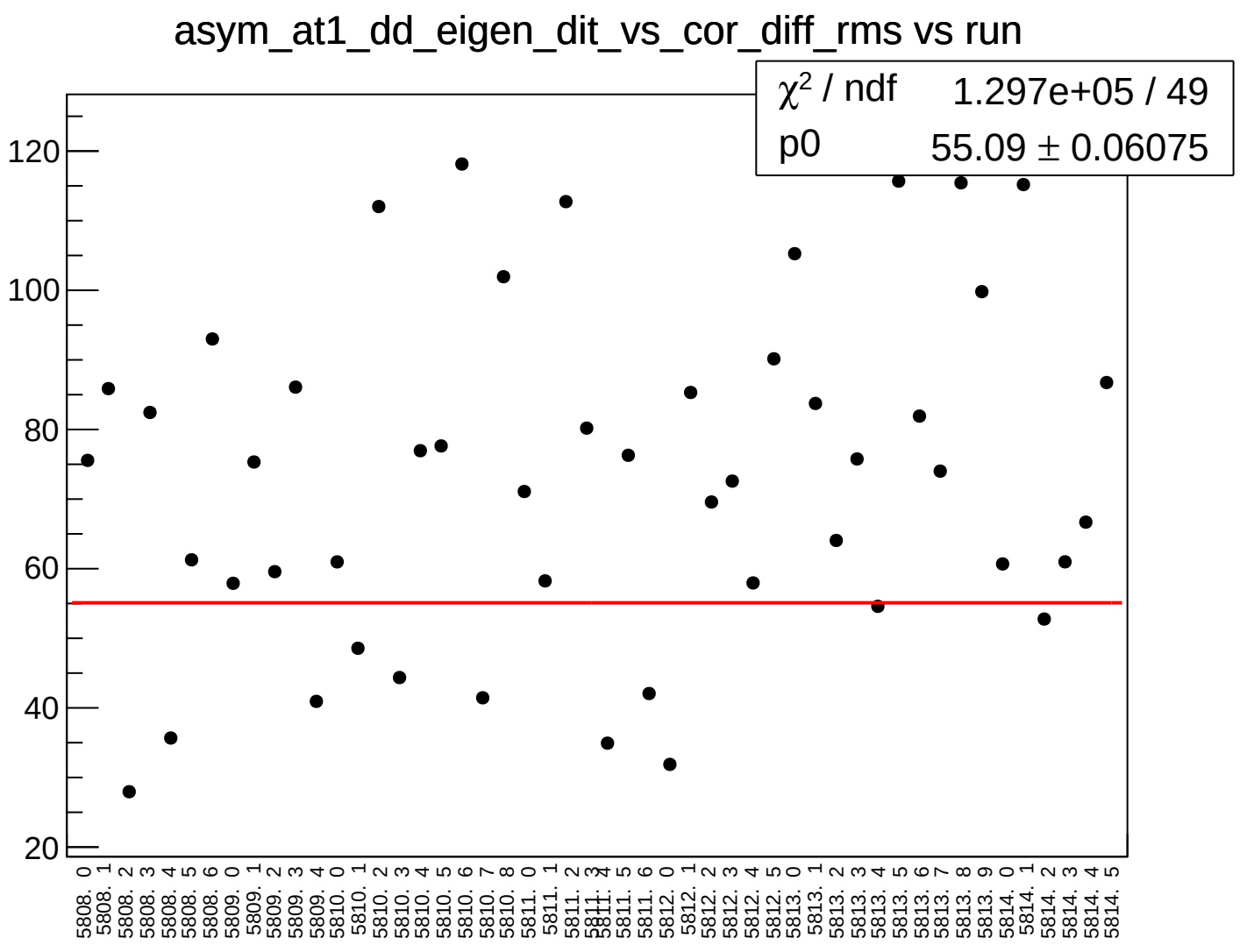

asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.297e+05 / 49
p0 55.09 ± 0.06075
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

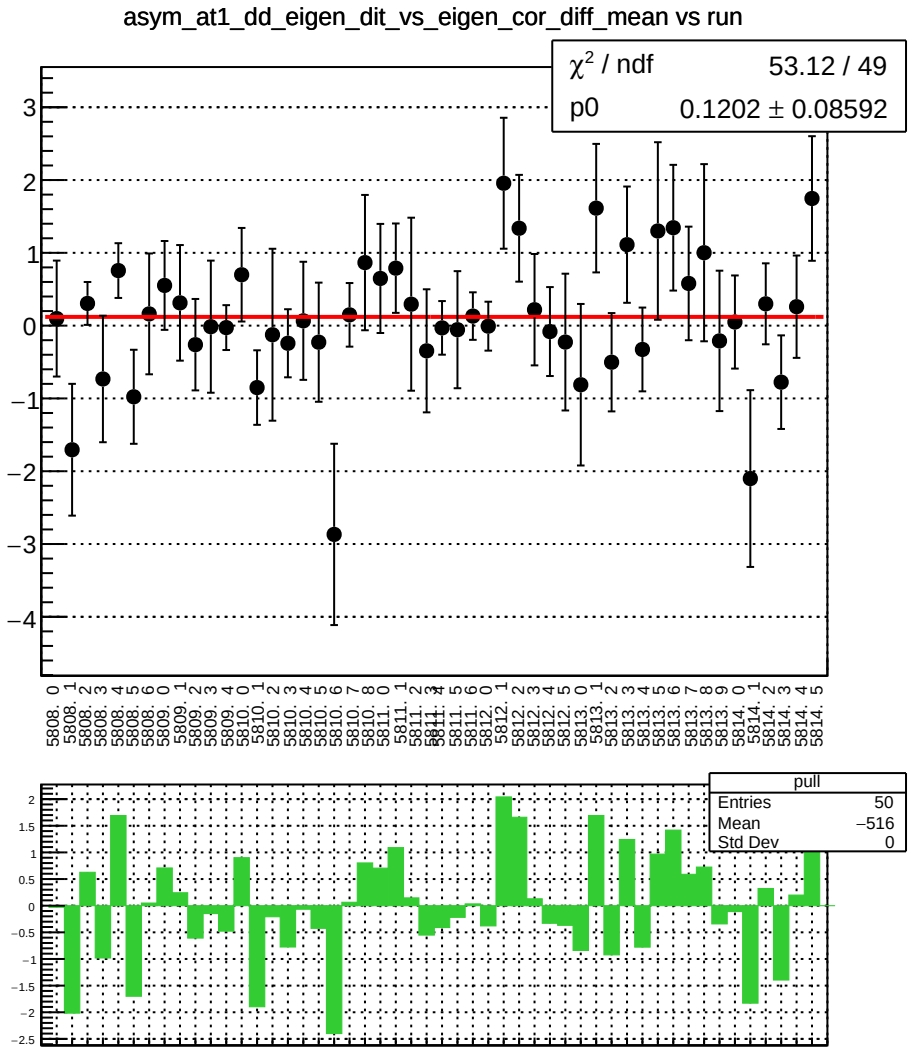

asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.93 / 49
p0 6.372e−06 ± 2.578e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
pull
Entries 50
Mean −112.3
Std Dev 0
2
1
0
−1
−2
−3

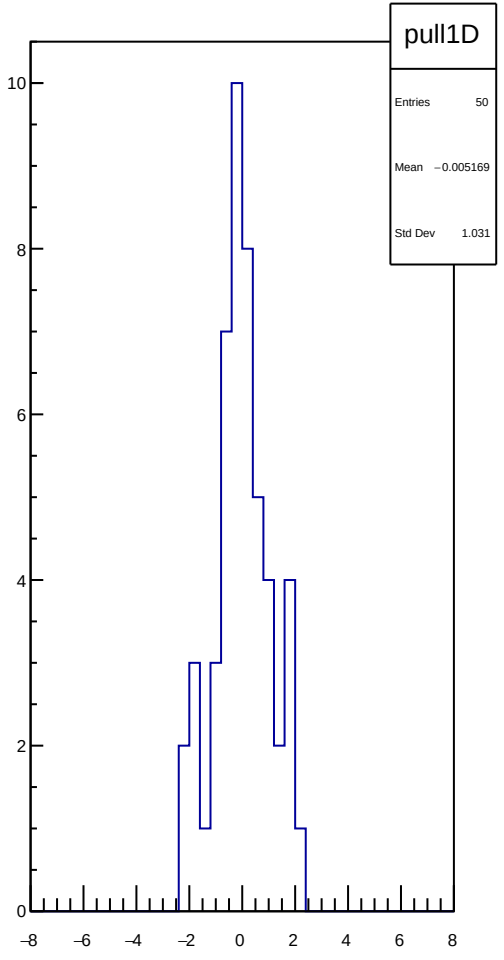

pull1D
Entries 50
Mean −0.02357
Std Dev 1.182
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

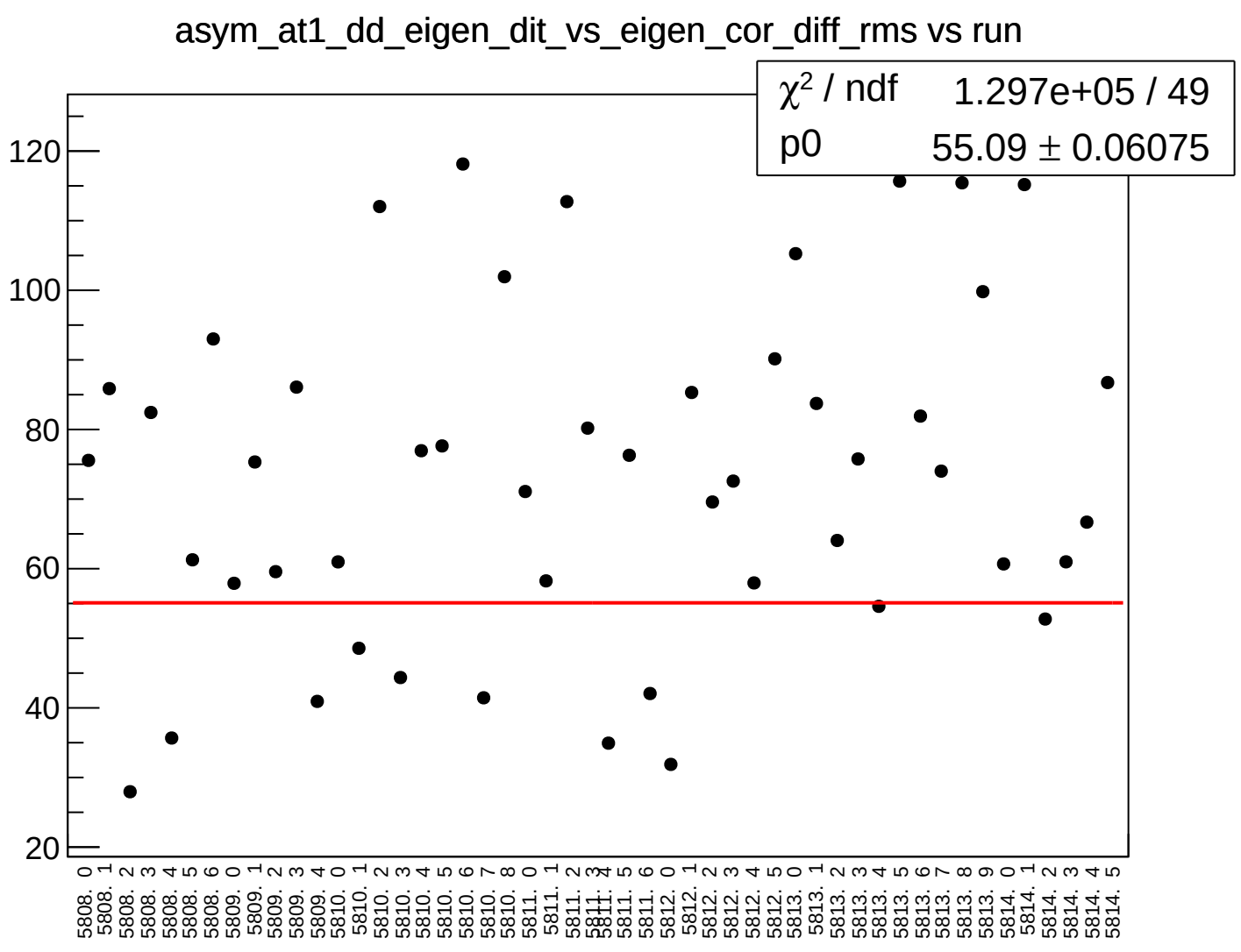

asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1094 / 49
p0 0.001777 ± 1.823e−06
0.00195
0.0019
0.00185
0.0018
0.00175
0.0017
0.00165
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

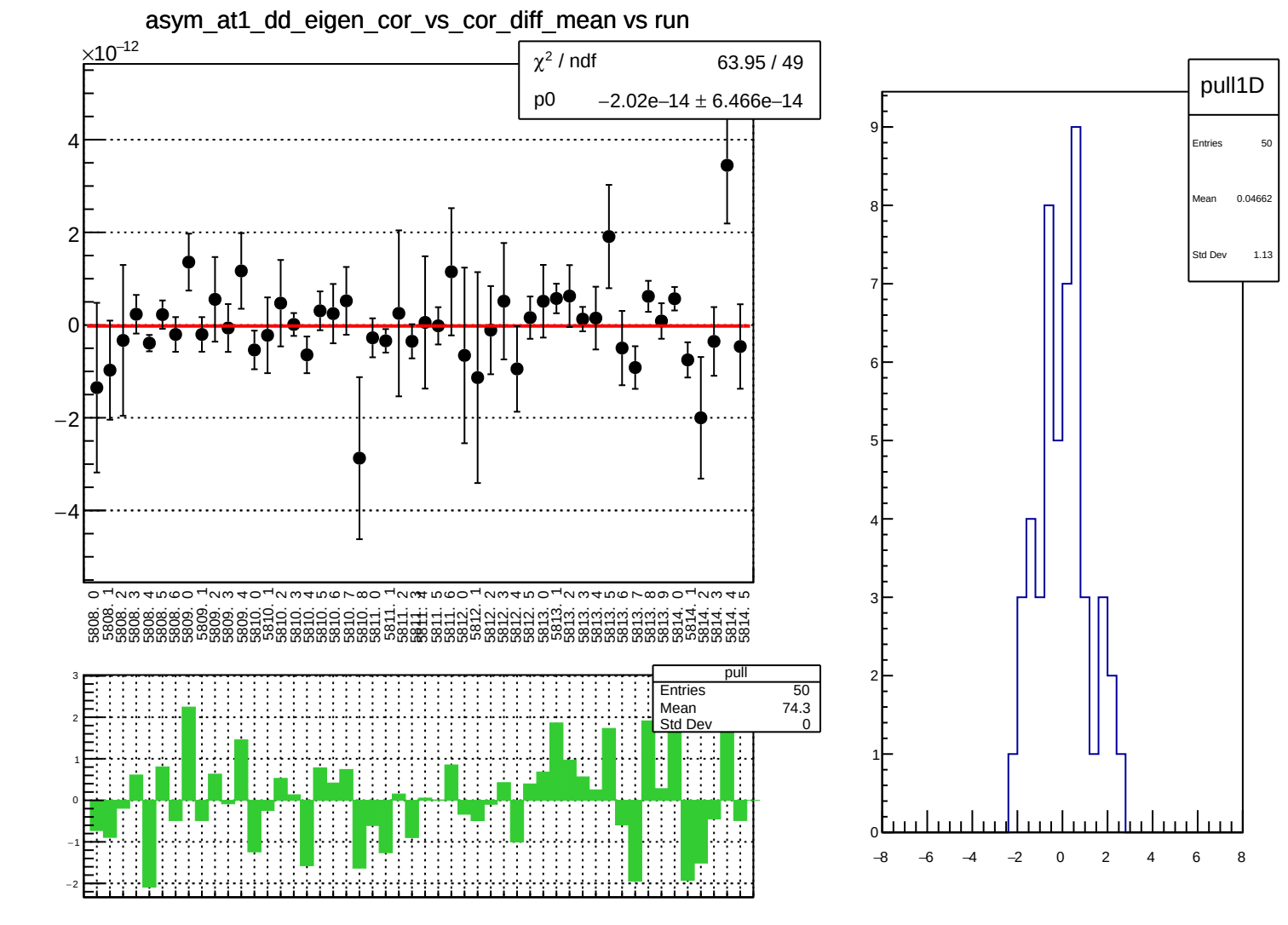

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.12 / 49
p0 0.1202 ± 0.08592
pull
Entries 50
Mean −516
Std Dev 0
pull1D
Entries 50
Mean −0.005169
Std Dev 1.031

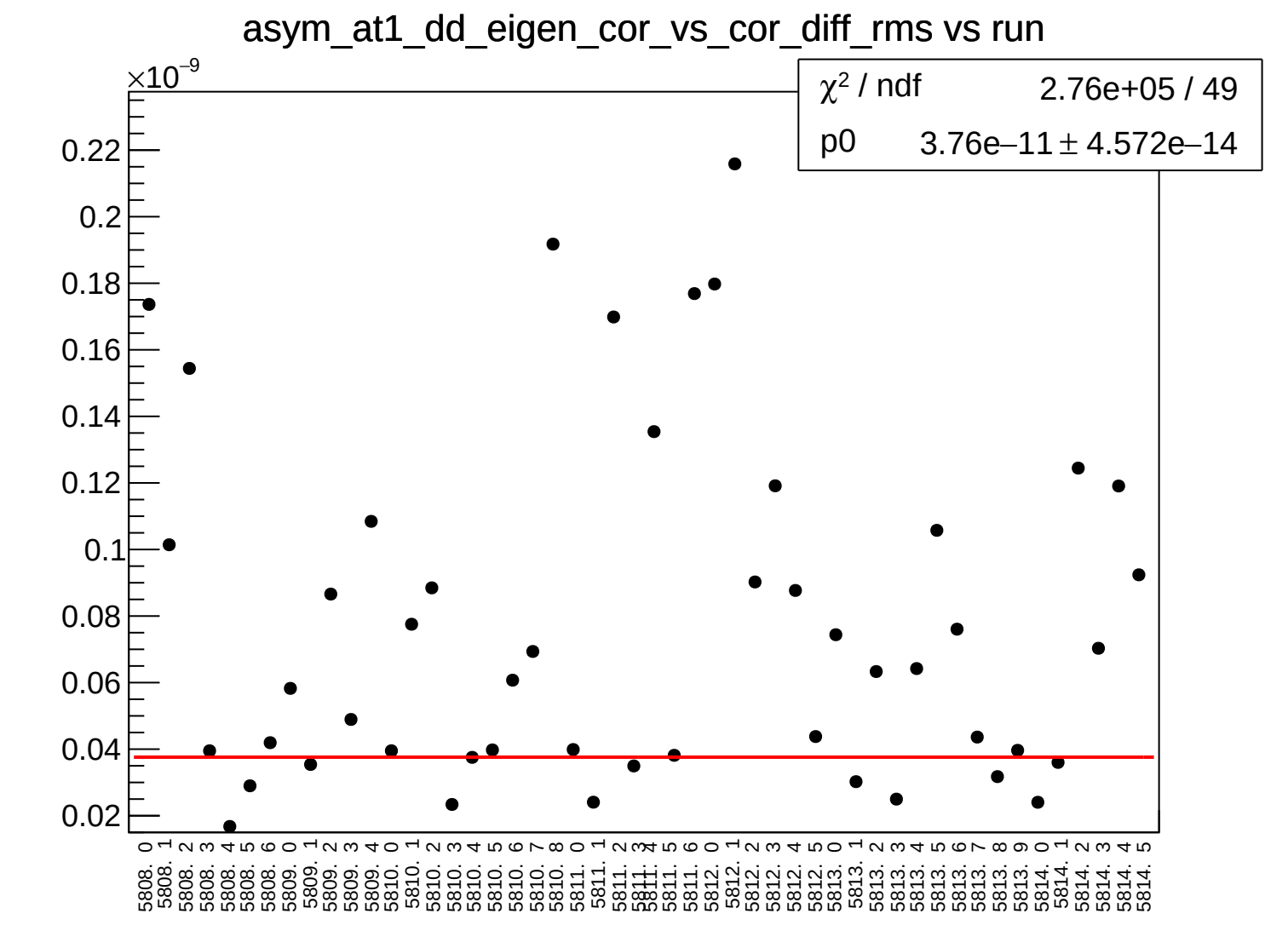

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.297e+05 / 49
p0 55.09 ± 0.06075
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

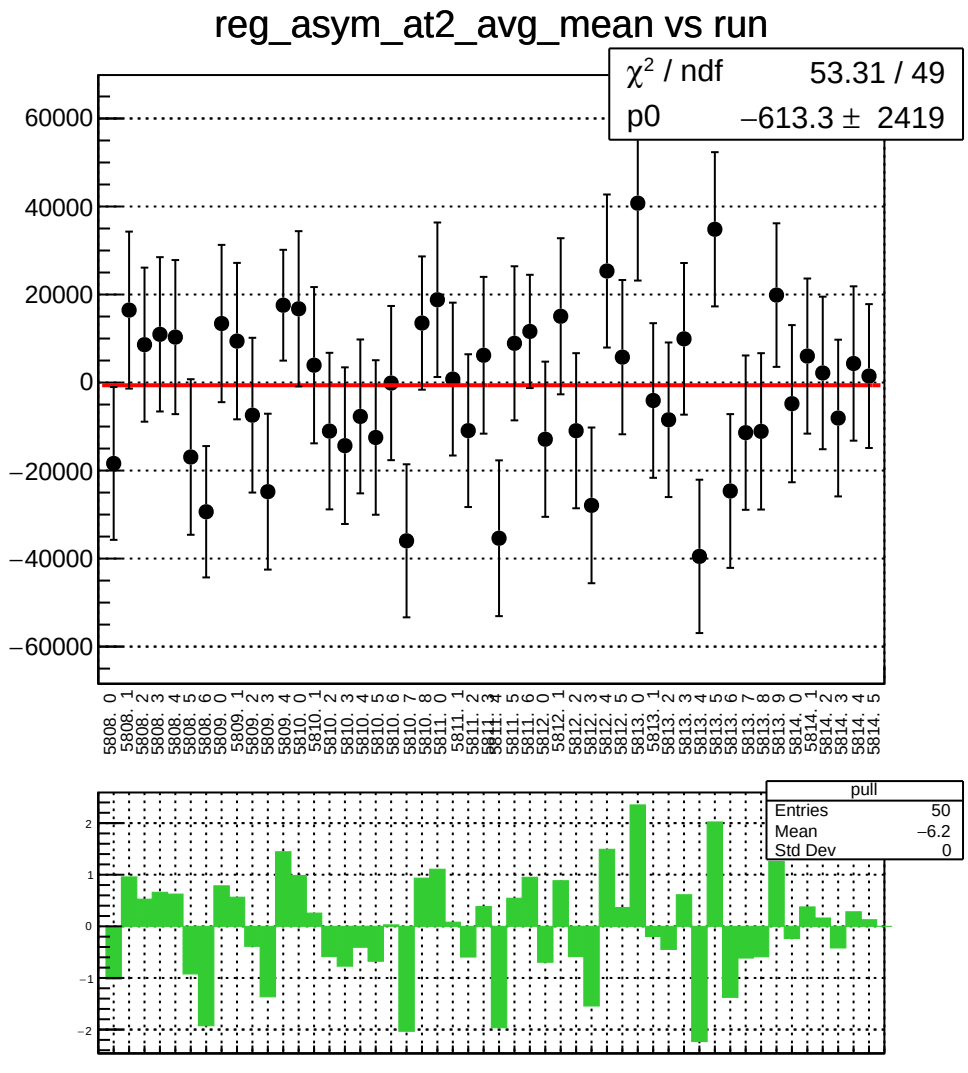

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.12 / 49
p0 0.1202 ± 0.08592
pull
Entries 50
Mean −516
Std Dev 0

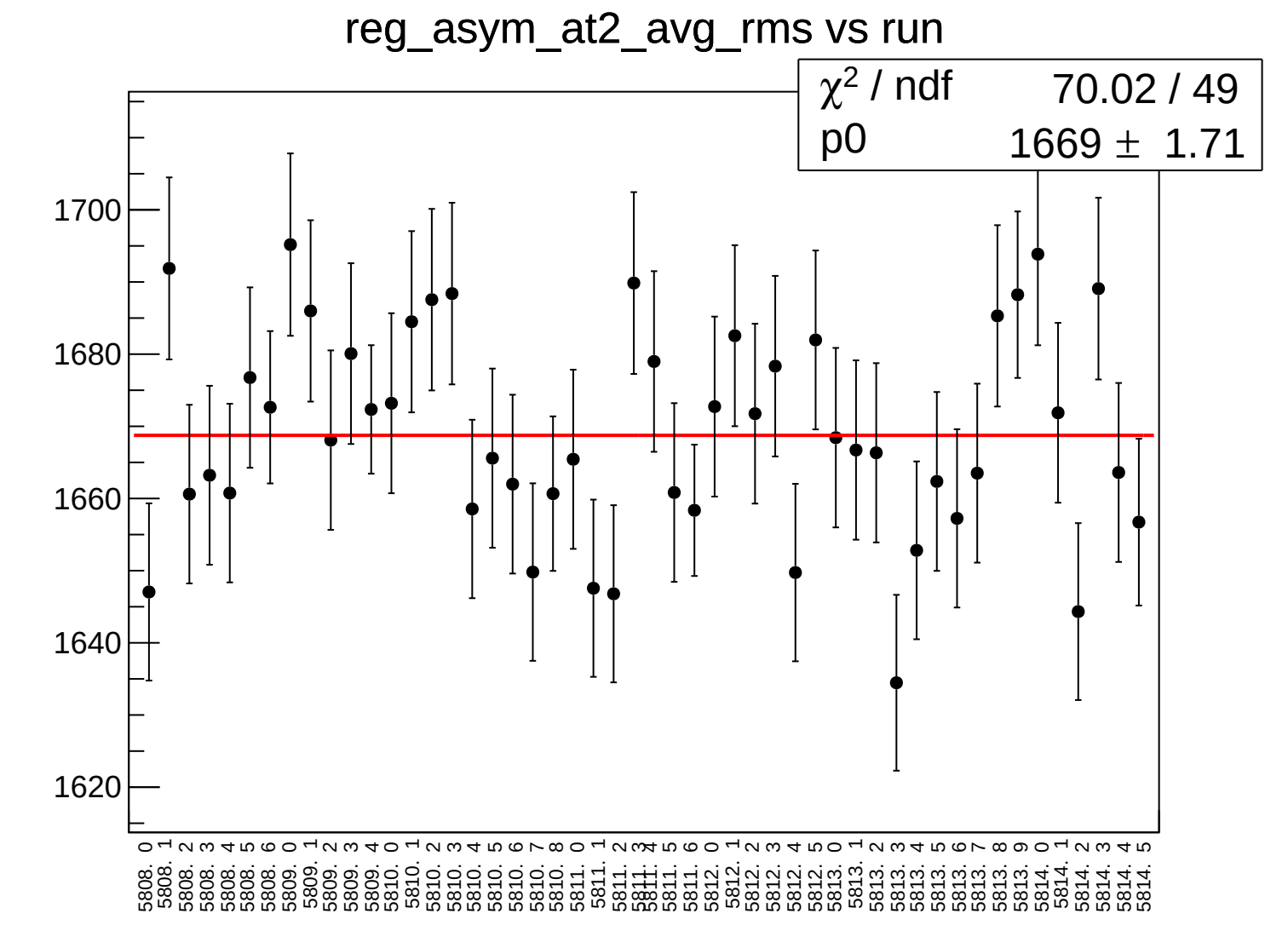

pull1D
Entries 50
Mean −0.005169
Std Dev 1.031


asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.297e+05 / 49
p0 55.09 ± 0.06075
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 63.95 / 49
p0 −2.02e−14 ± 6.466e−14
pull
Entries 50
Mean 74.3
Std Dev 0
pull1D
Entries 50
Mean 0.04662
Std Dev 1.13


asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.76e+05 / 49
p0 3.76e−11 ± 4.572e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_at2_avg_mean vs run
χ² / ndf 53.31 / 49
p0 −613.3 ± 2419
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −6.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0166
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at2_avg_rms vs run
χ² / ndf 70.02 / 49
p0 1669 ± 1.71
1700
1680
1660
1640
1620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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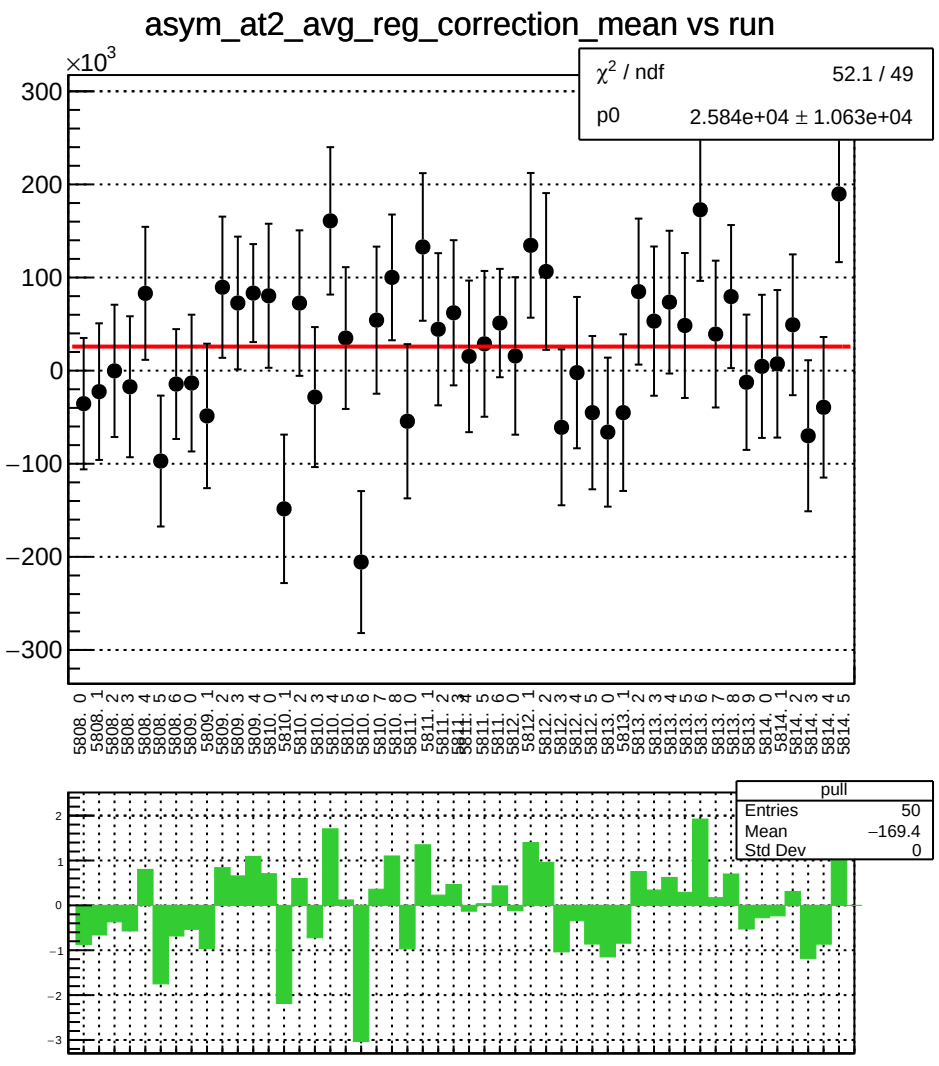
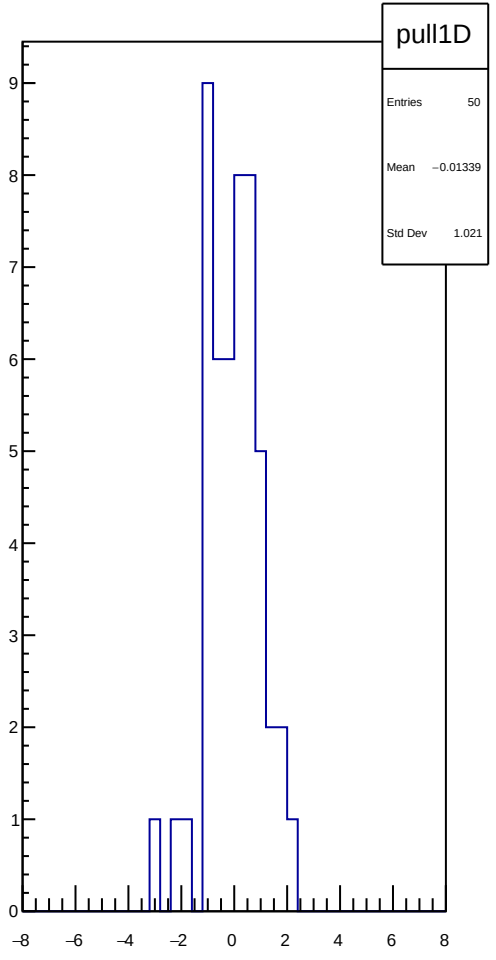
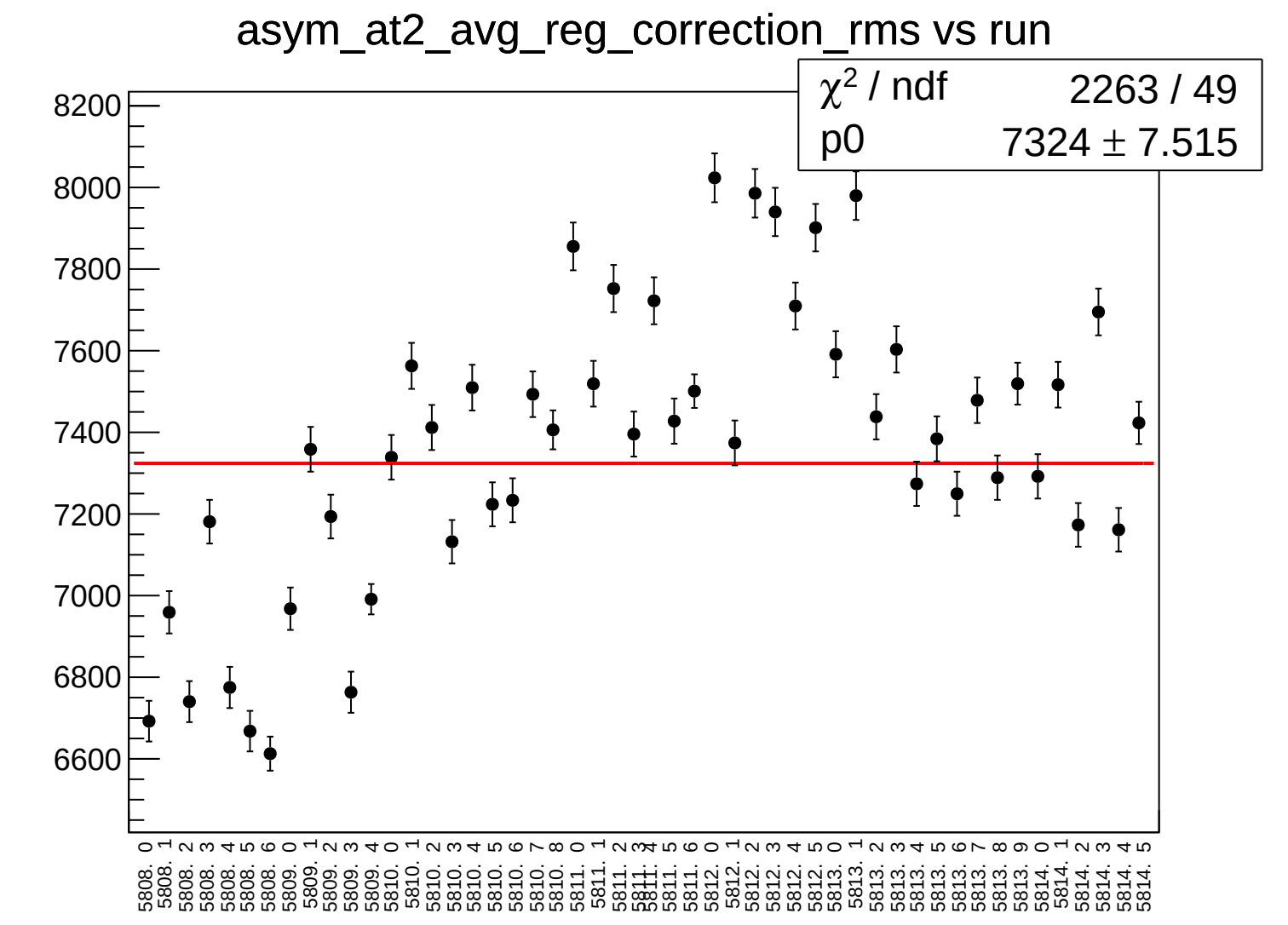
5814. 4
5814. 5


asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 52.1 / 49
p0 2.584e+04 ± 1.063e+04
pull
Entries 50
Mean −169.4
Std Dev 0


pull1D
Entries 50
Mean −0.01339
Std Dev 1.021


asym_at2_avg_reg_correction_rms vs run
χ² / ndf 2263 / 49
p0 7324 ± 7.515
8200
8000
7800
7600
7400
7200
7000
6800
6600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 5
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5813. 9
5814. 0
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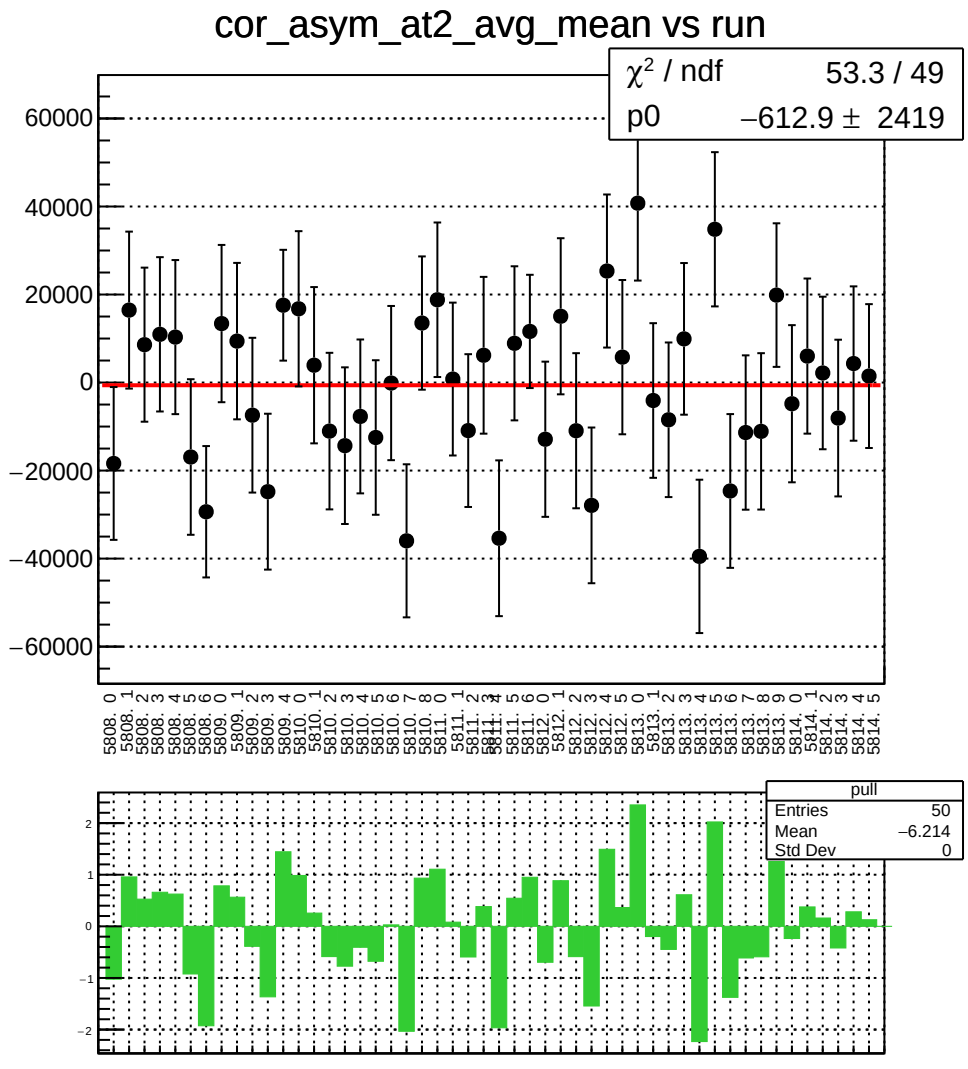
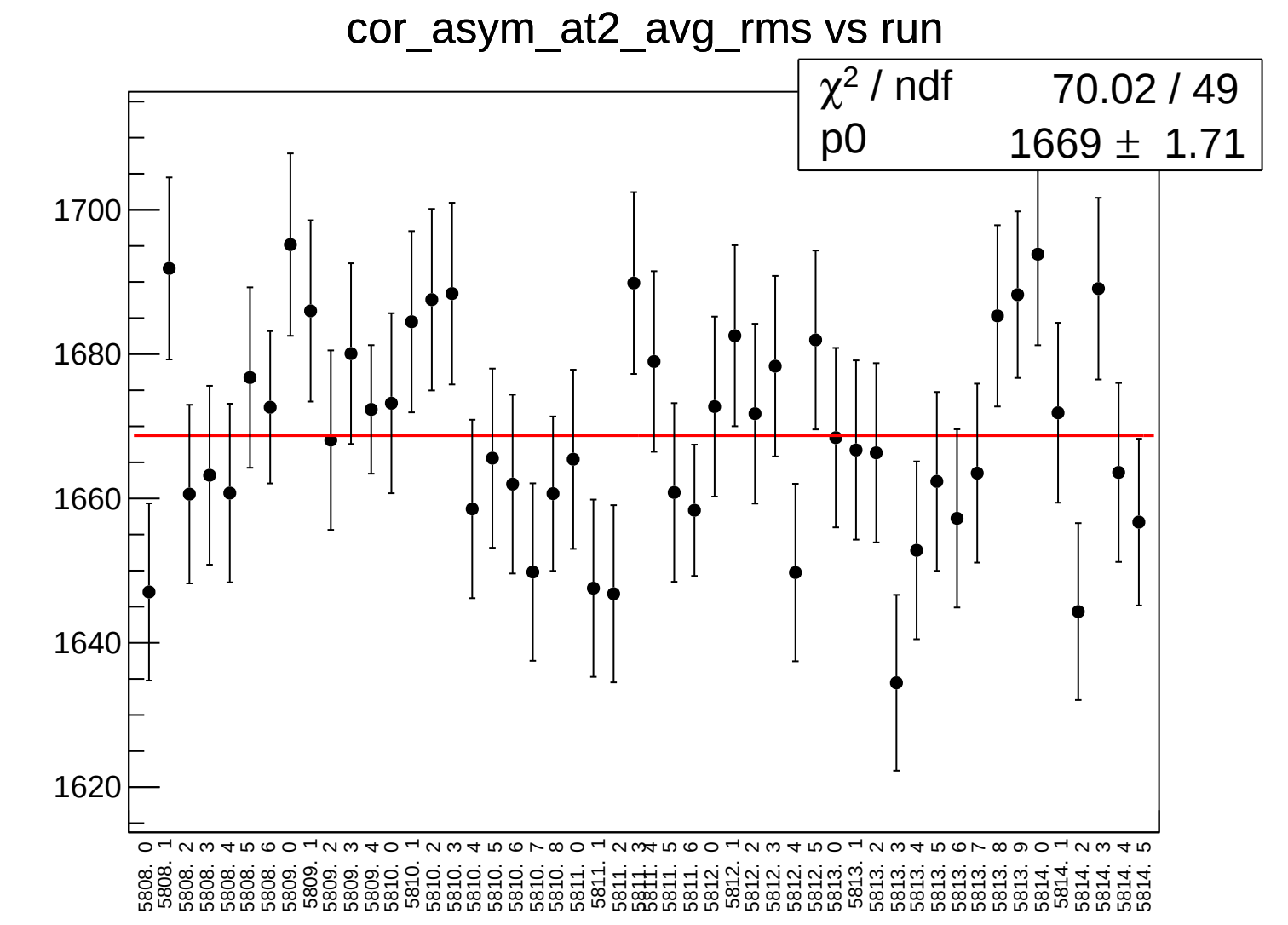
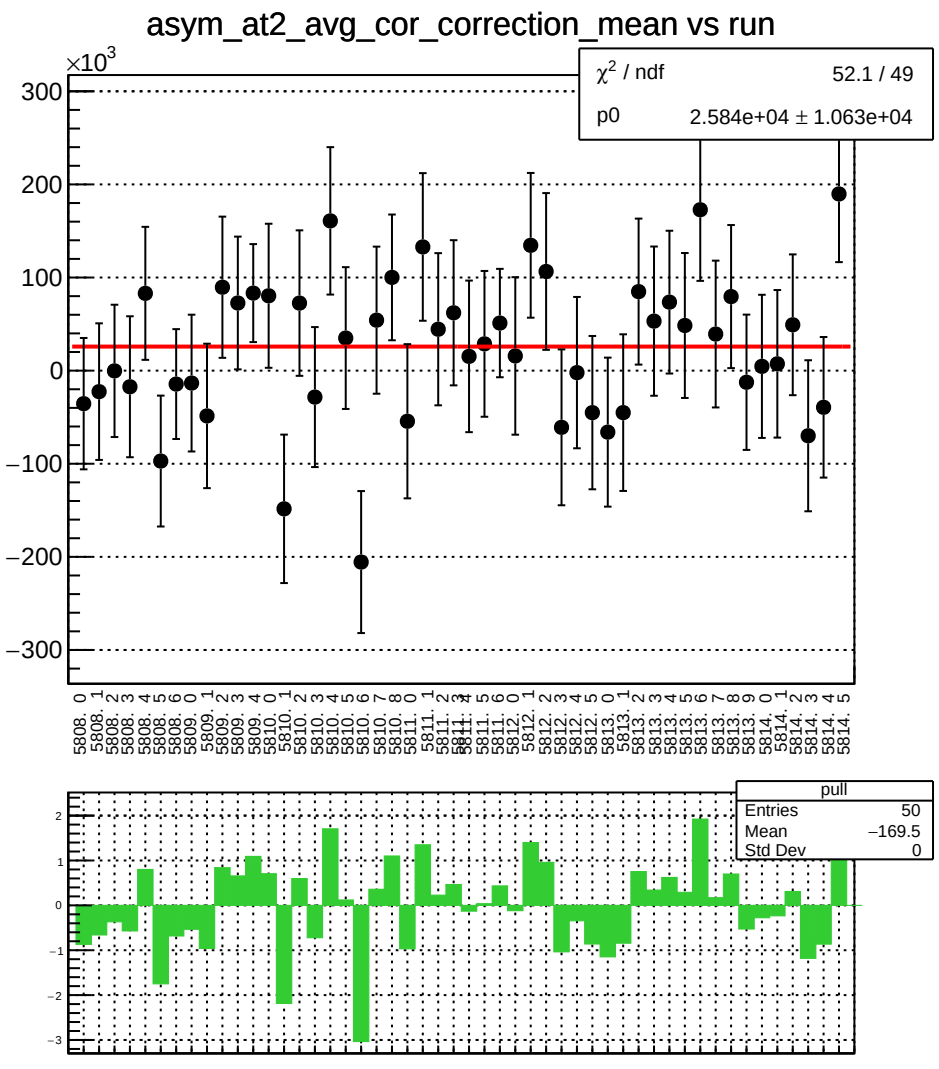
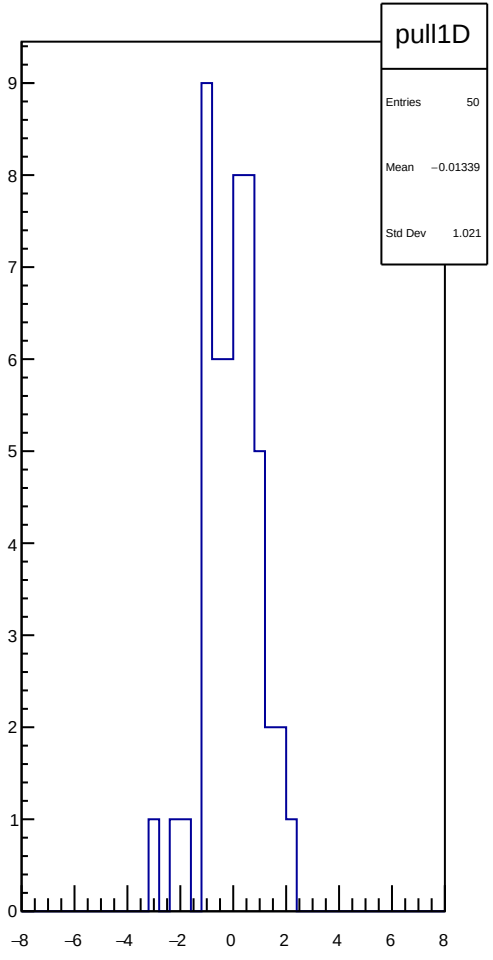
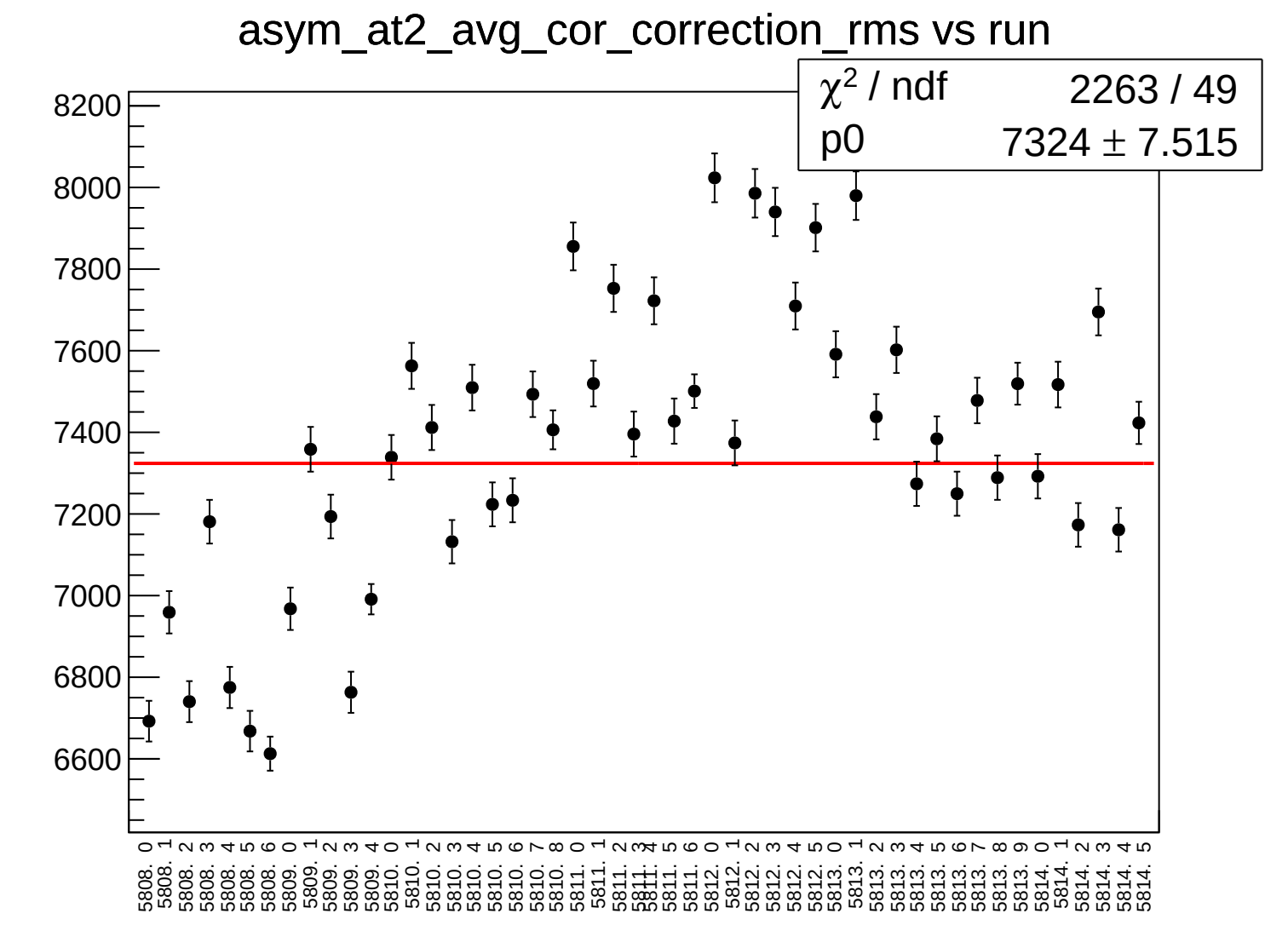
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_at2_avg_mean vs run
χ² / ndf 53.3 / 49
p0 −612.9 ± 2419
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −6.214
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0166
Std Dev 1.032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_avg_rms vs run
χ² / ndf 70.02 / 49
p0 1669 ± 1.71
1700
1680
1660
1640
1620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 52.1 / 49
p0 2.584e+04 ± 1.063e+04
pull
Entries 50
Mean −169.5
Std Dev 0


pull1D
Entries 50
Mean −0.01339
Std Dev 1.021


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 2263 / 49
p0 7324 ± 7.515
8200
8000
7800
7600
7400
7200
7000
6800
6600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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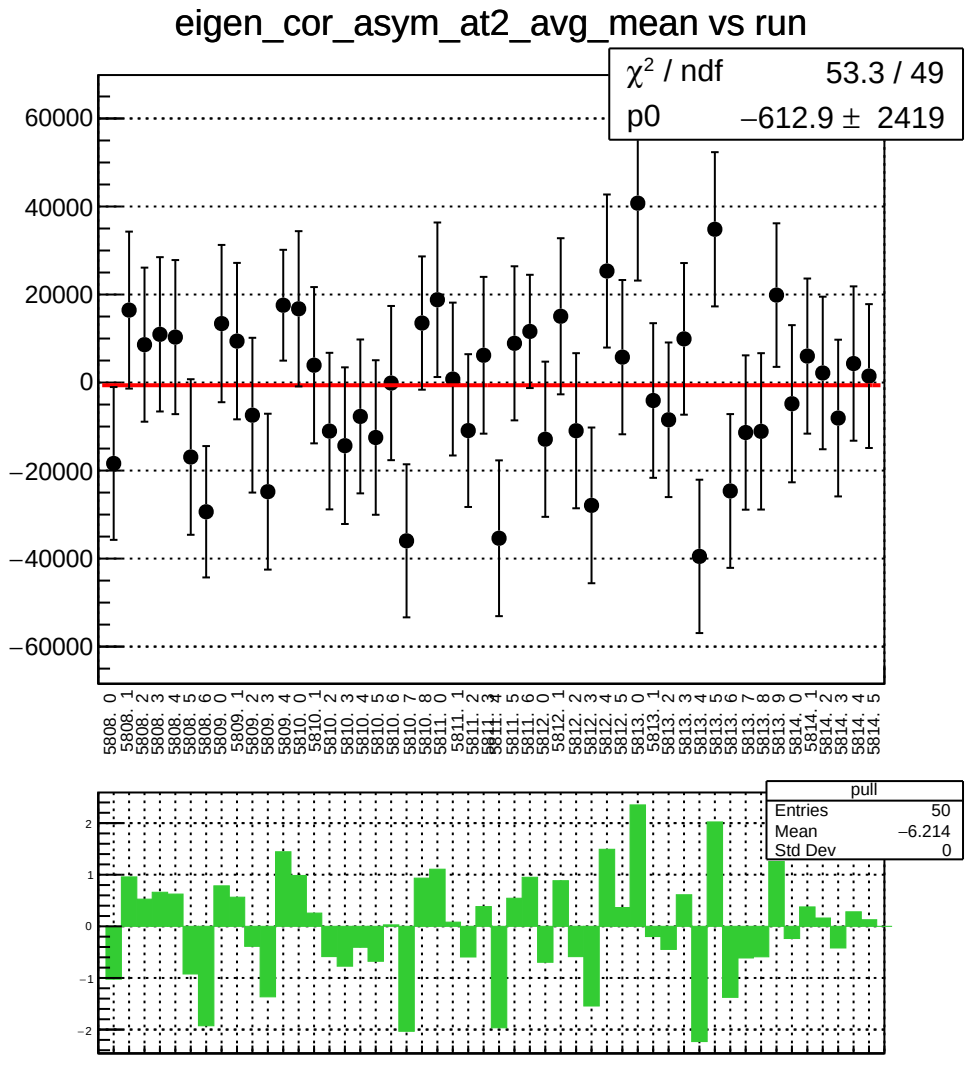
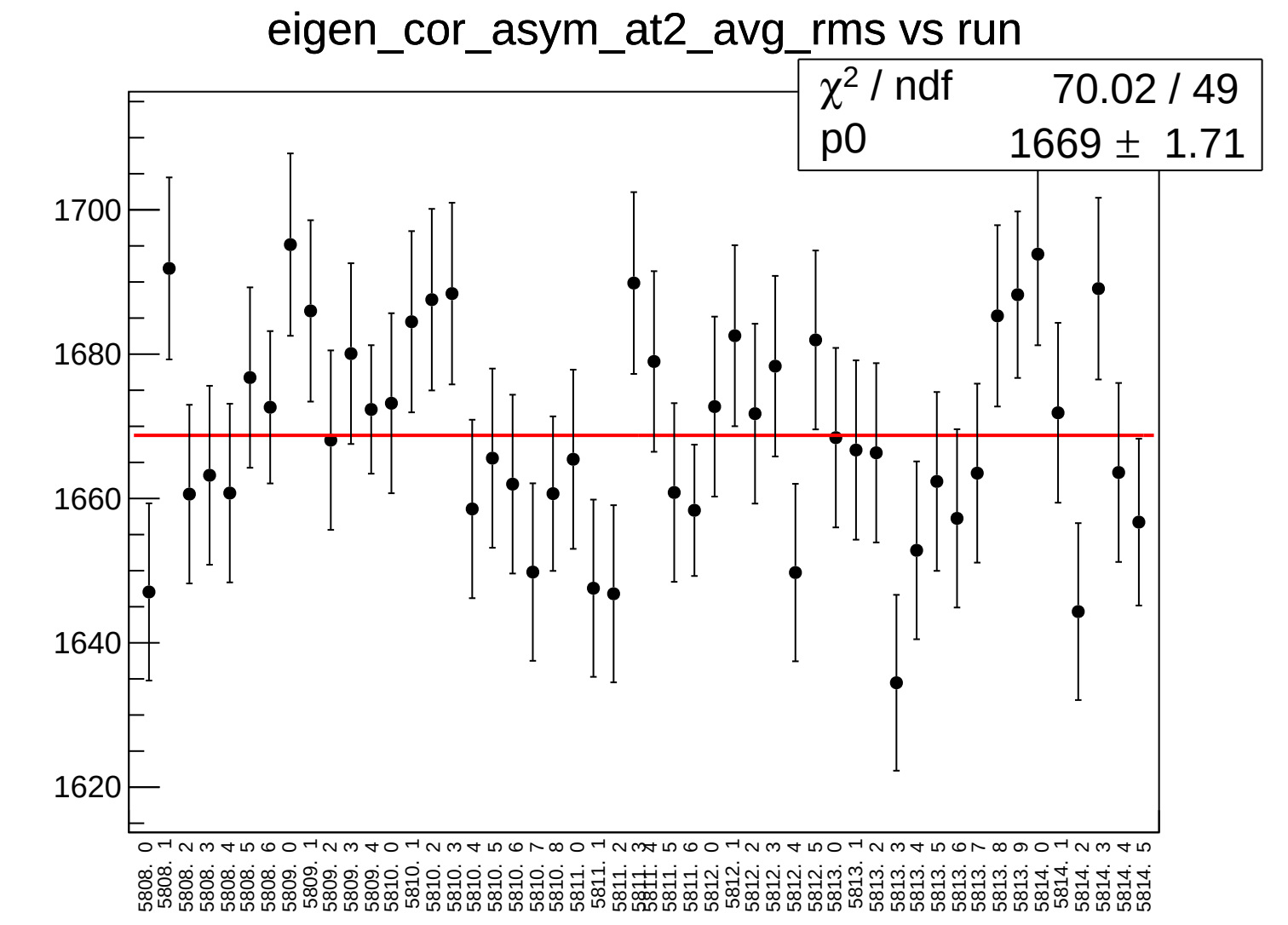
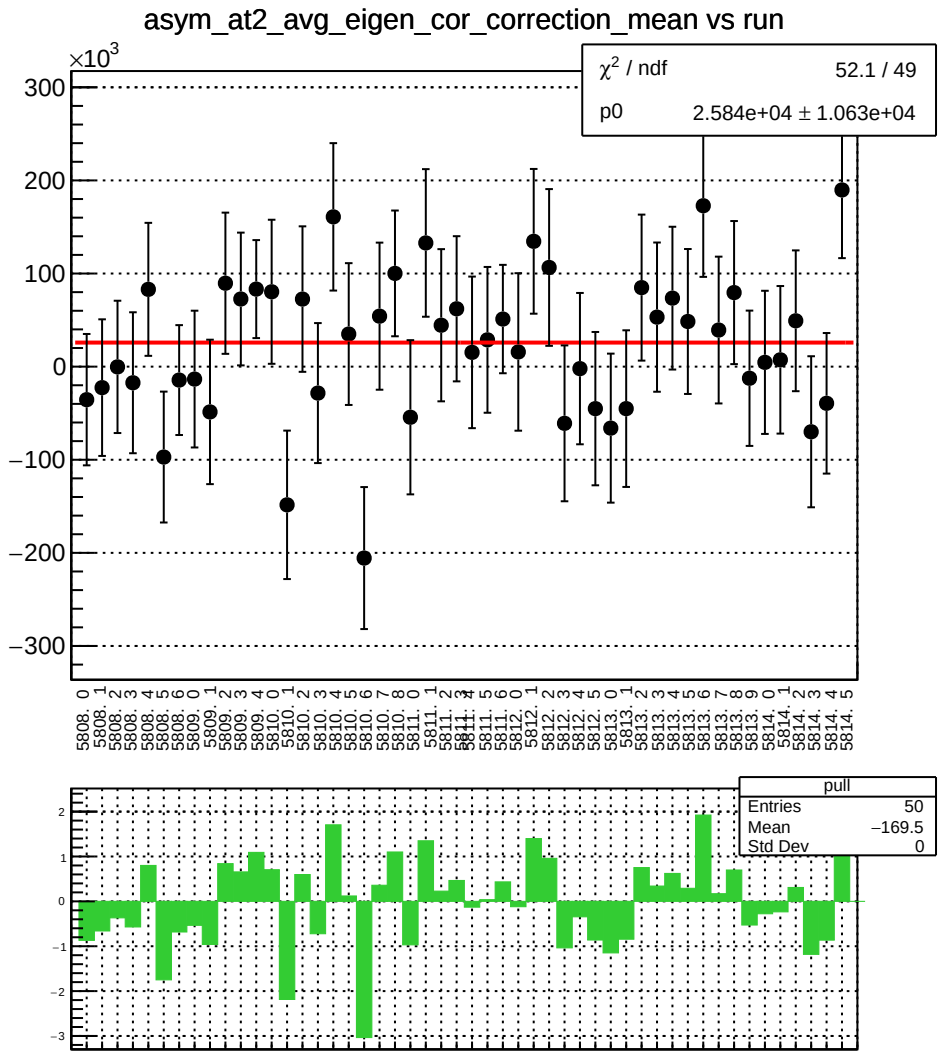
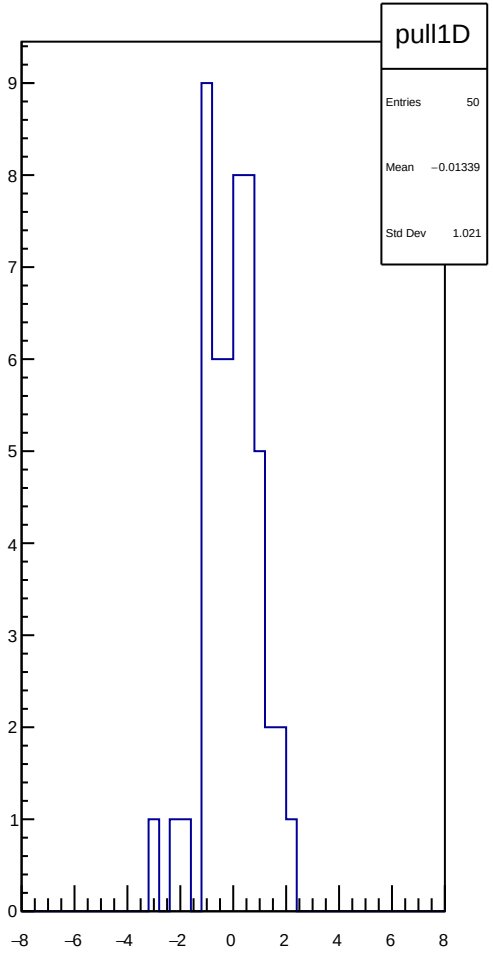
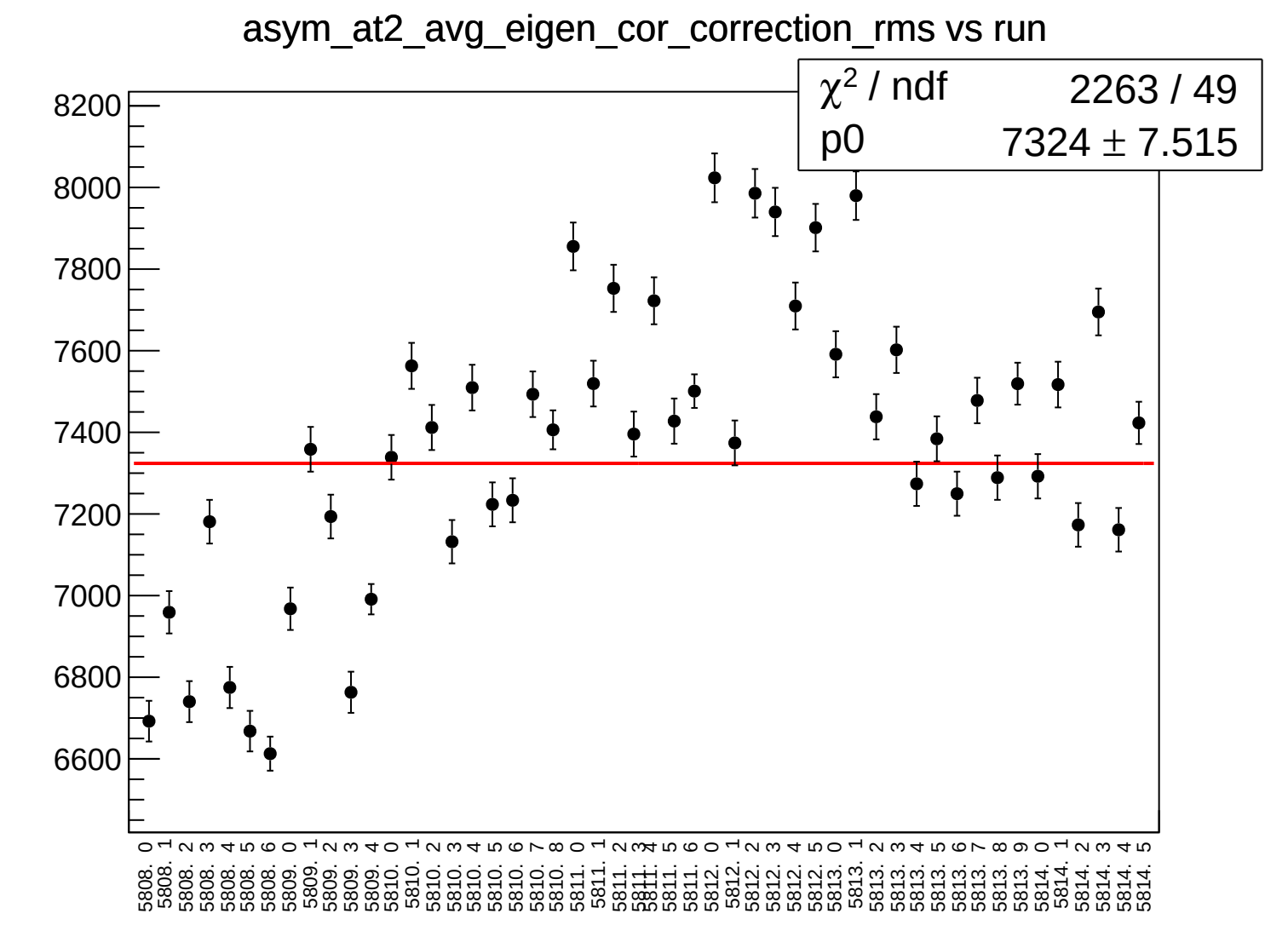
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 53.3 / 49
p0 −612.9 ± 2419
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −6.214
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0166
Std Dev 1.032
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 70.02 / 49
p0 1669 ± 1.71
1700
1680
1660
1640
1620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.1 / 49
p0 2.584e+04 ± 1.063e+04
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −169.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01339
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2263 / 49
p0 7324 ± 7.515
8200
8000
7800
7600
7400
7200
7000
6800
6600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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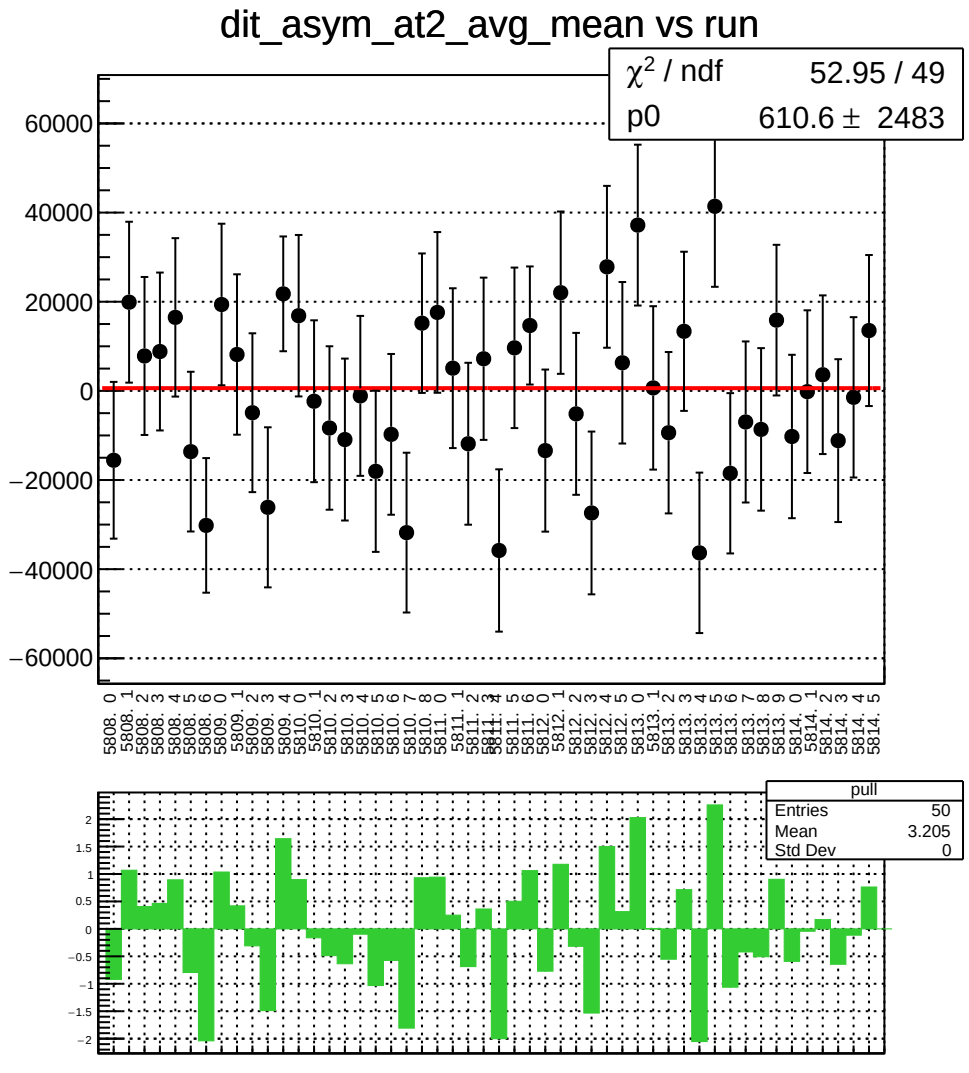
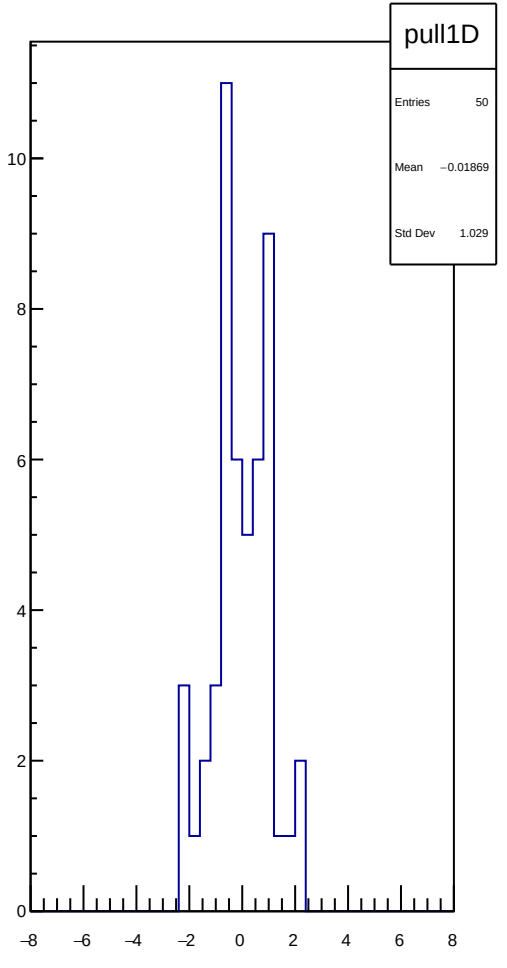
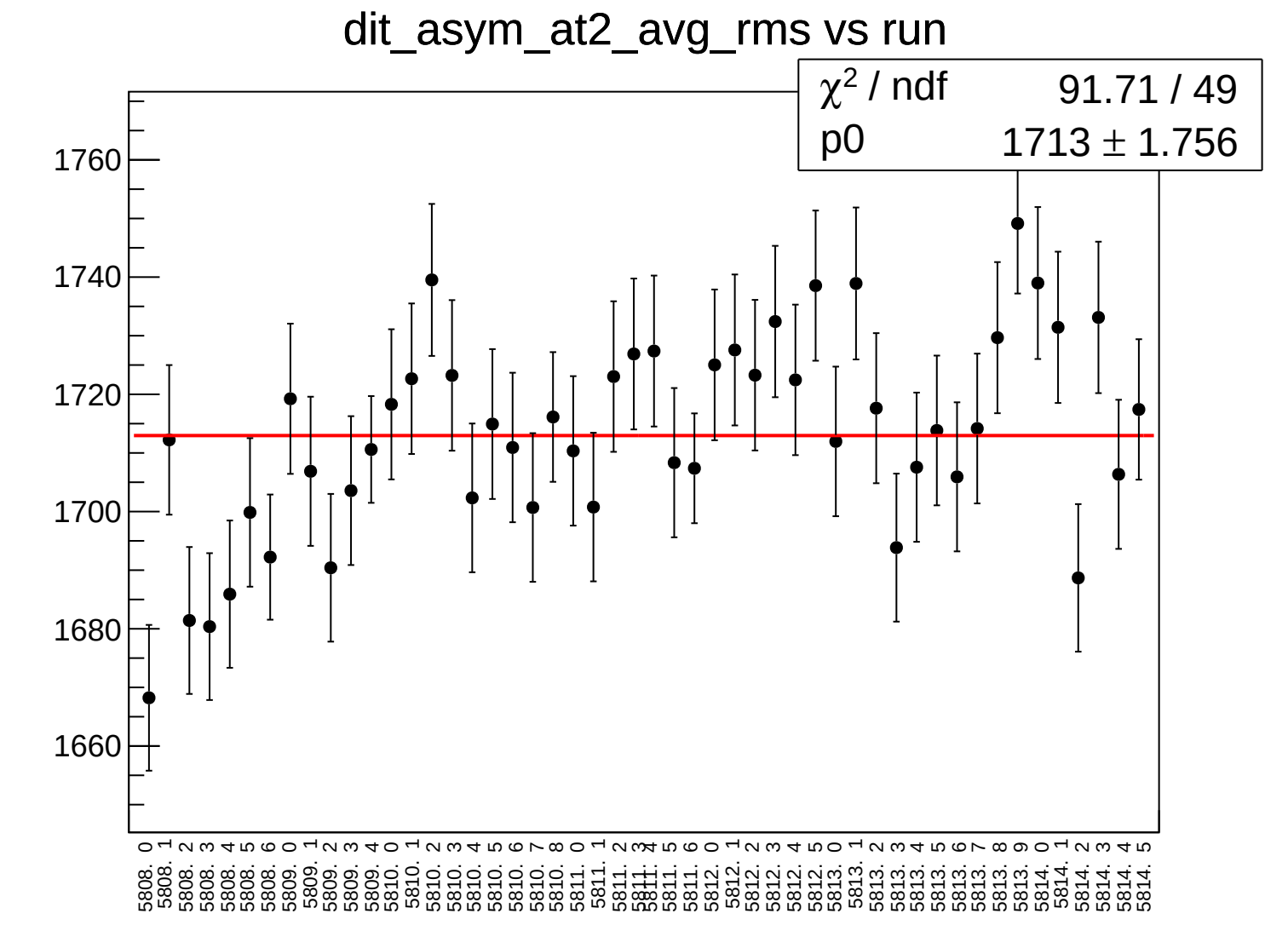
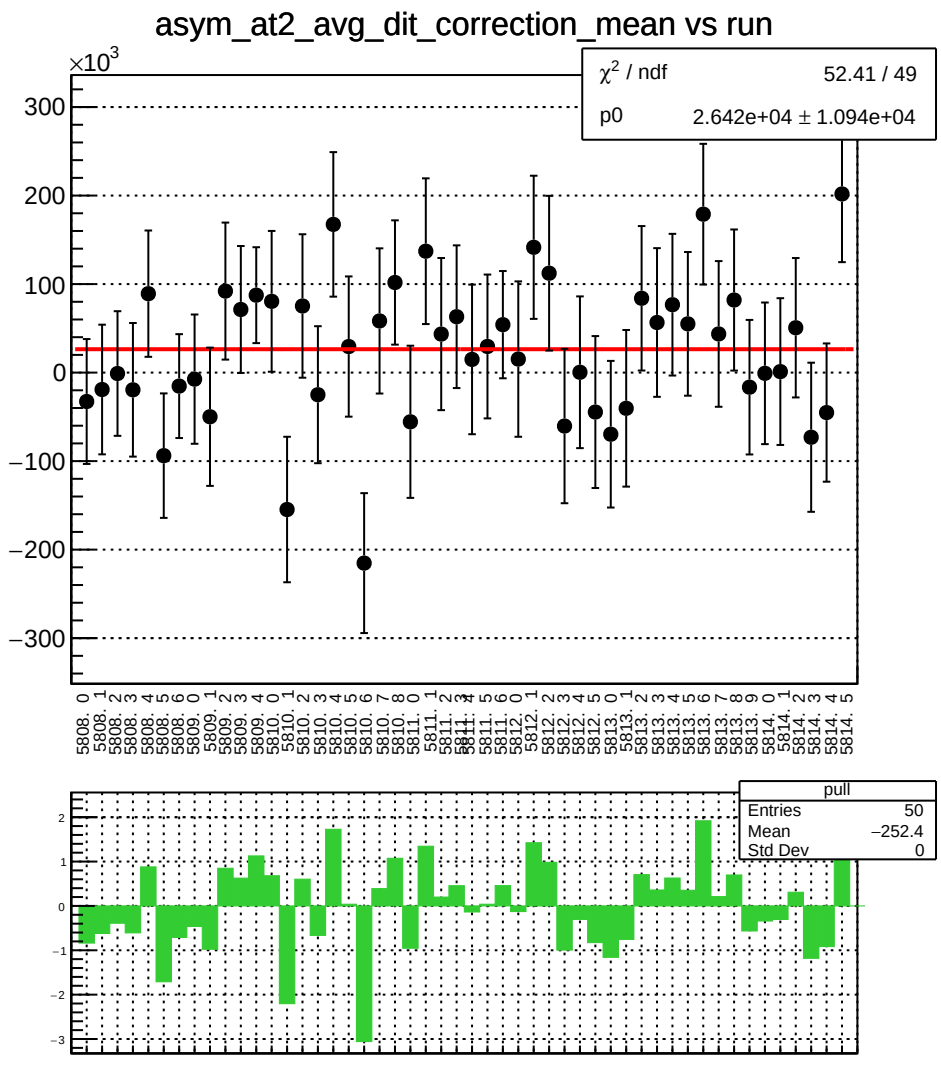
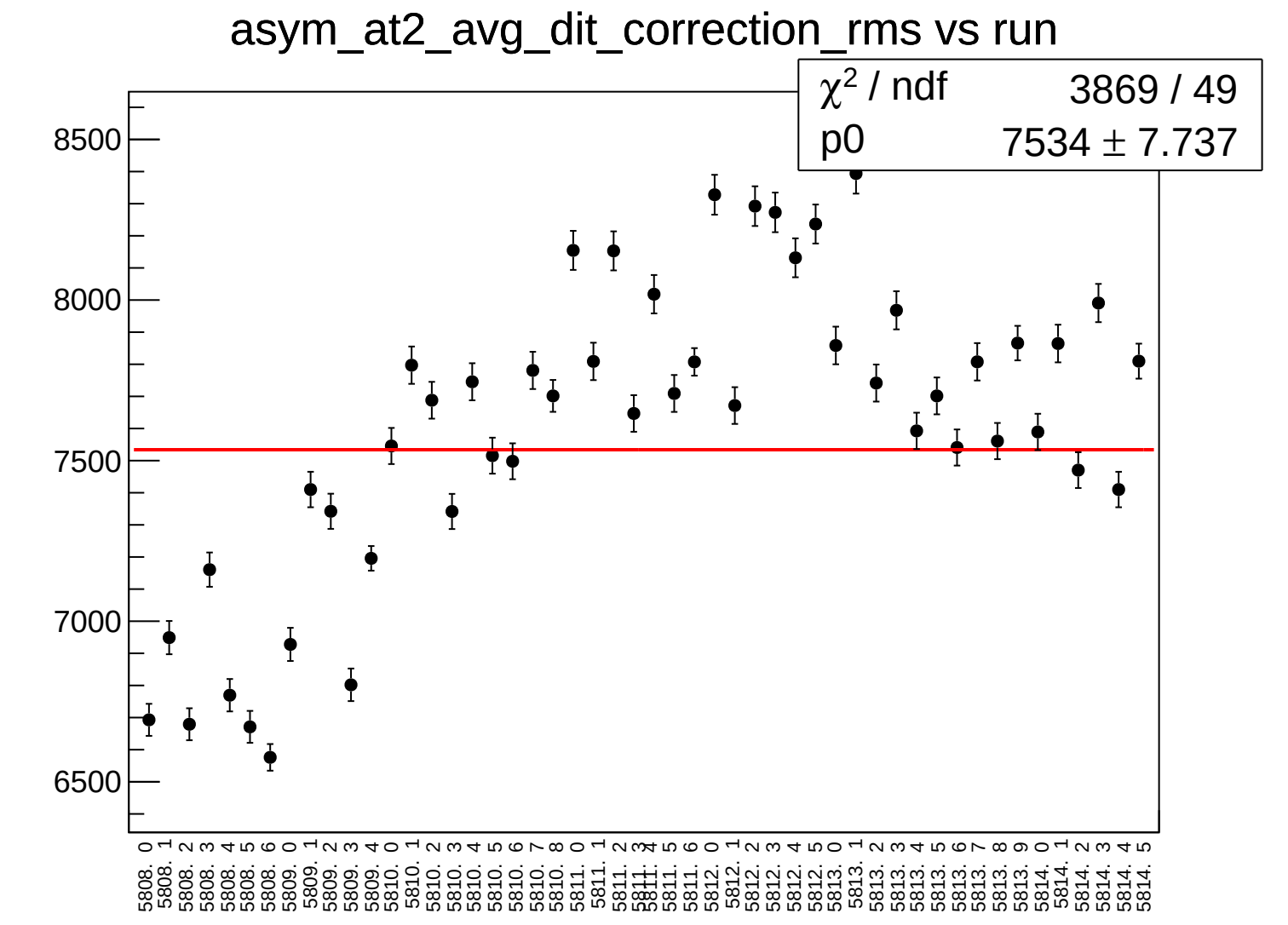
5814. 4
5814. 5


dit_asym_at2_avg_mean vs run
χ² / ndf 52.95 / 49
p0 610.6 ± 2483
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3.205
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean −0.01869
Std Dev 1.029
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 91.71 / 49
p0 1713 ± 1.756
1760
1740
1720
1700
1680
1660
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 52.41 / 49
p0 2.642e+04 ± 1.094e+04
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −252.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.009138
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_dit_correction_rms vs run
χ² / ndf 3869 / 49
p0 7534 ± 7.737
8500
8000
7500
7000
6500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
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5812. 5
5813. 0
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5813. 2
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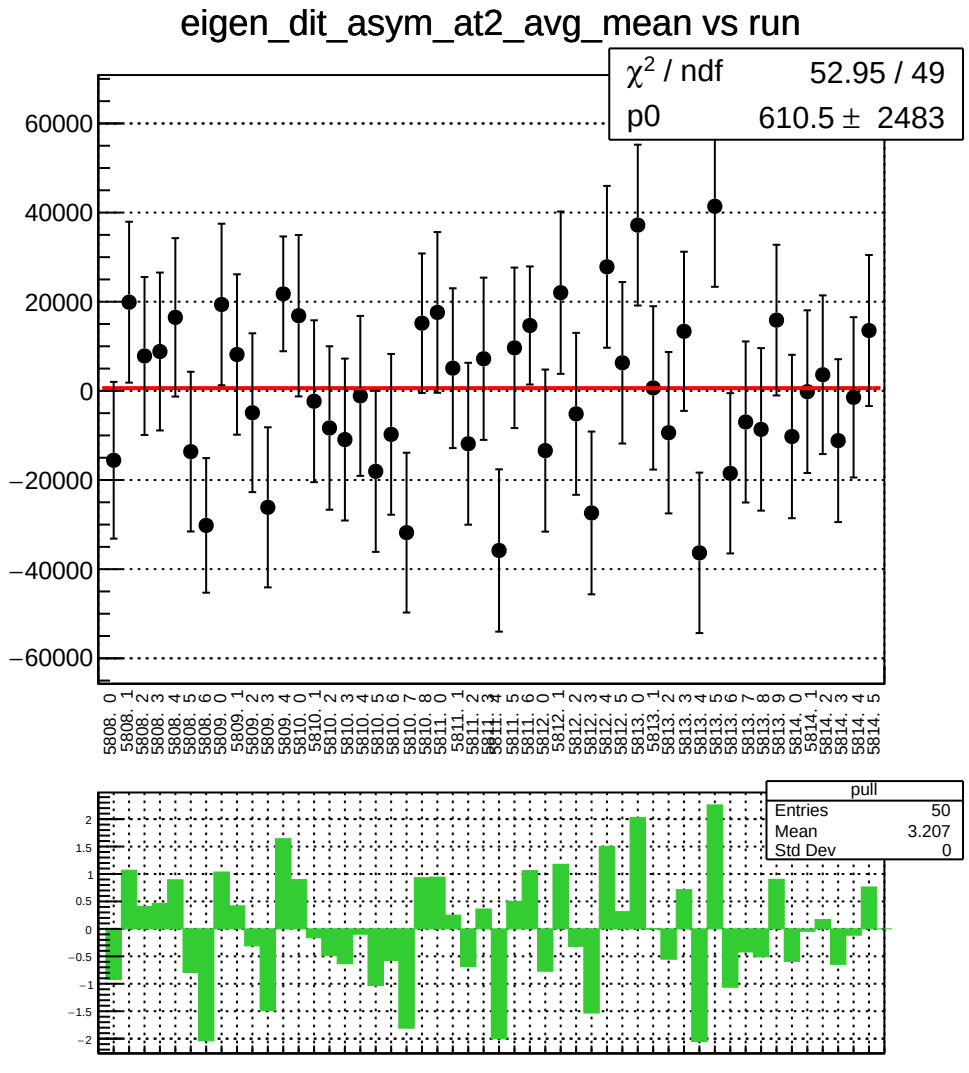
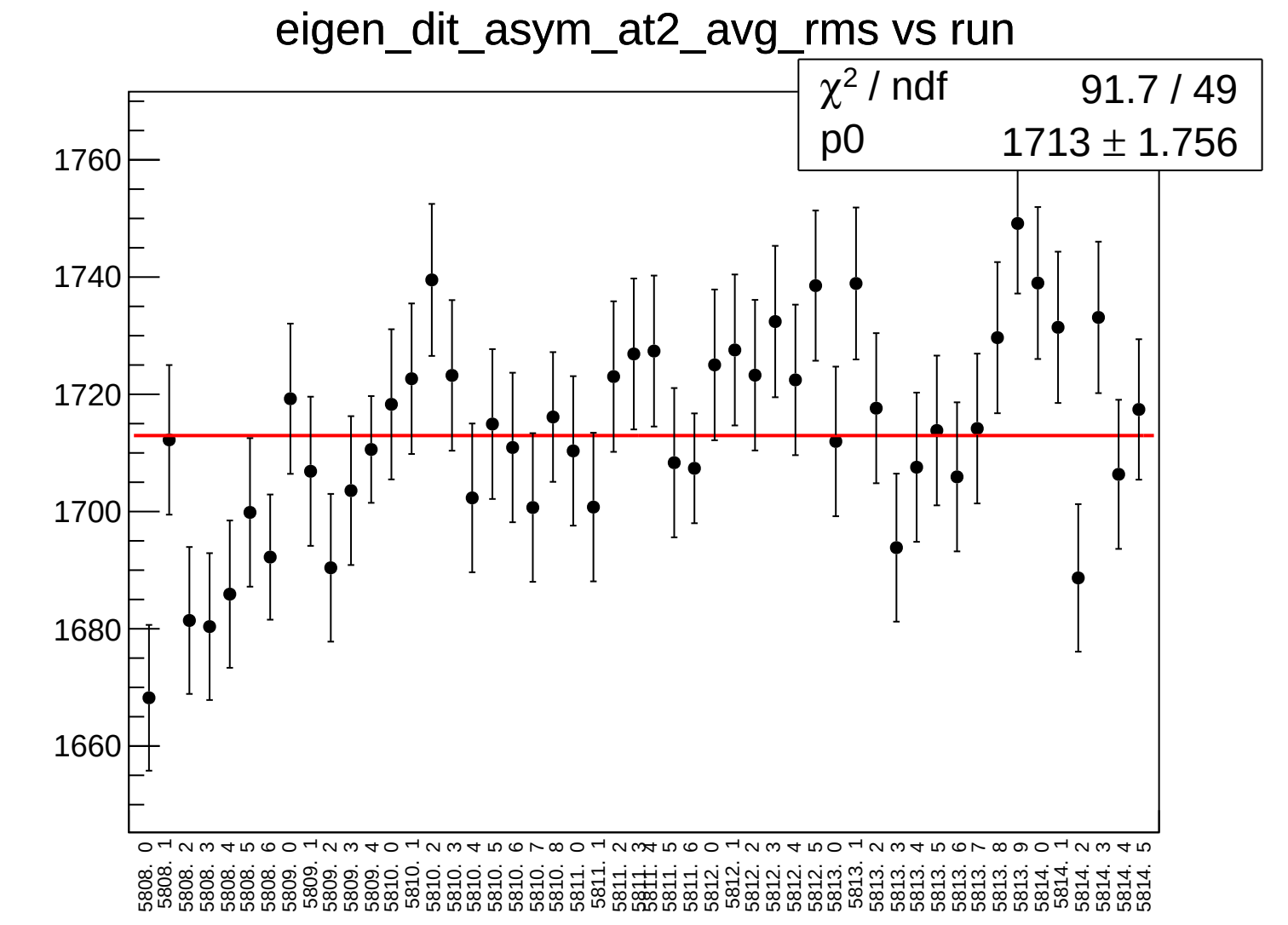
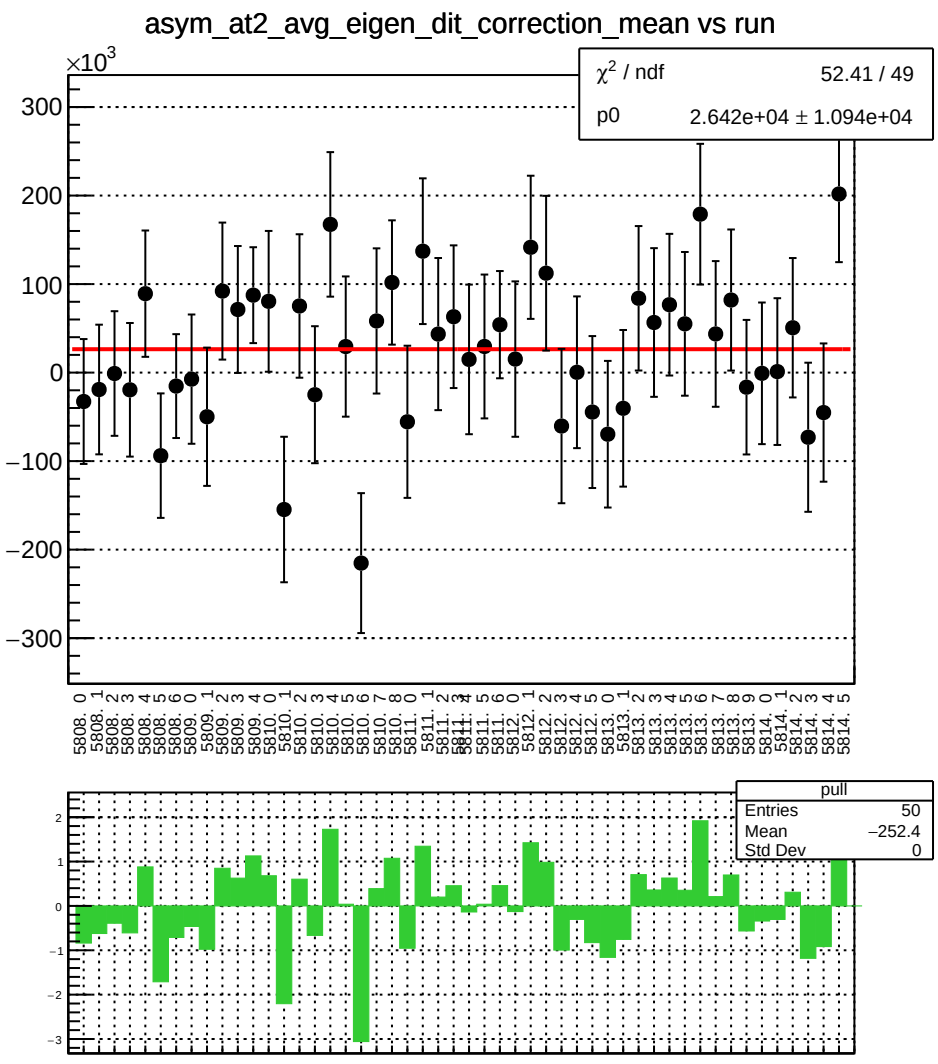
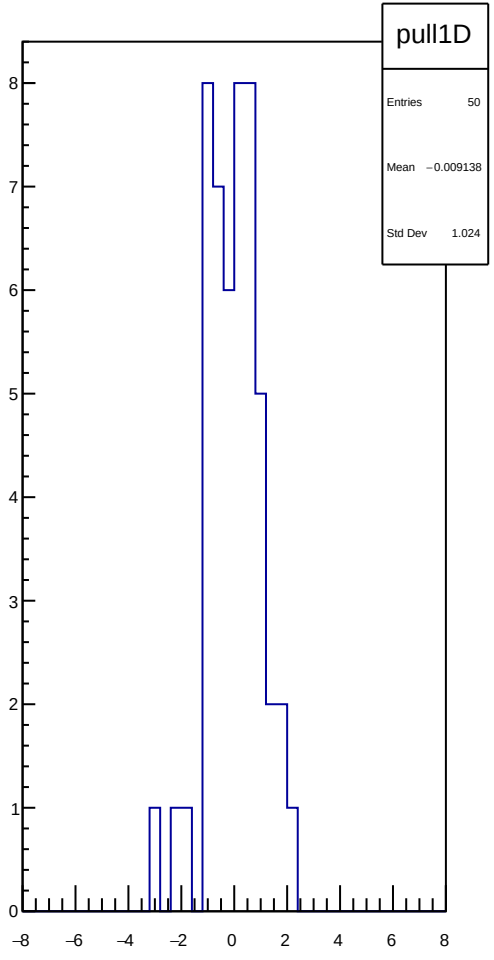
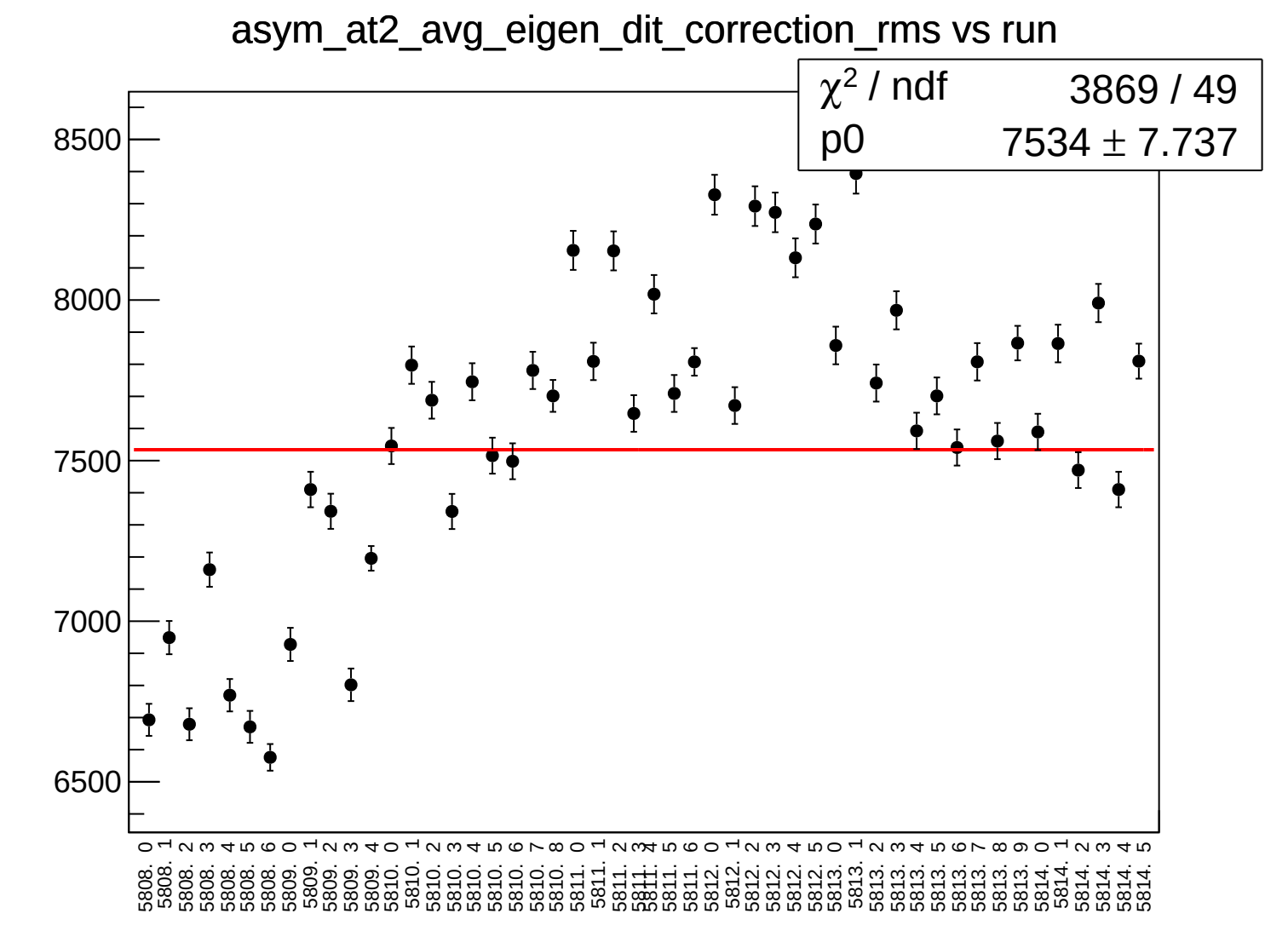
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

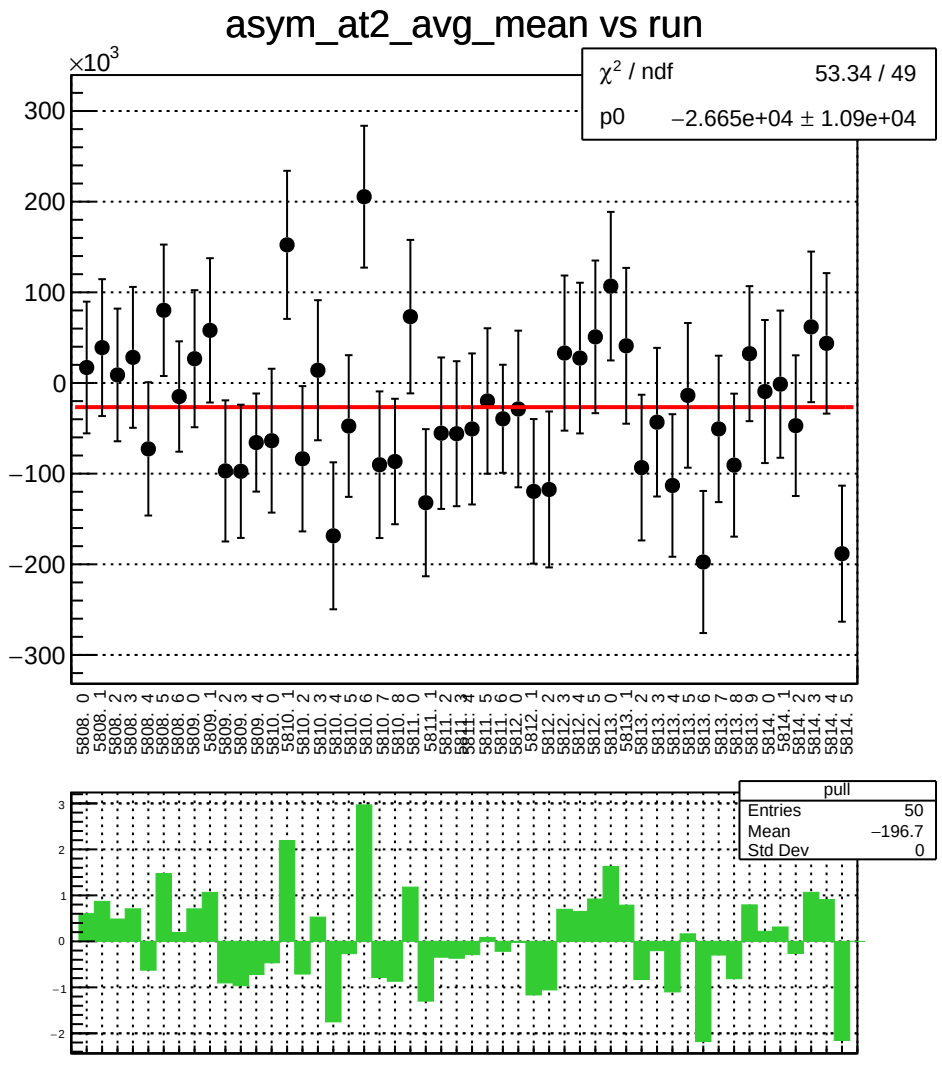

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 52.95 / 49
p0 610.5 ± 2483
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3.207
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01869
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

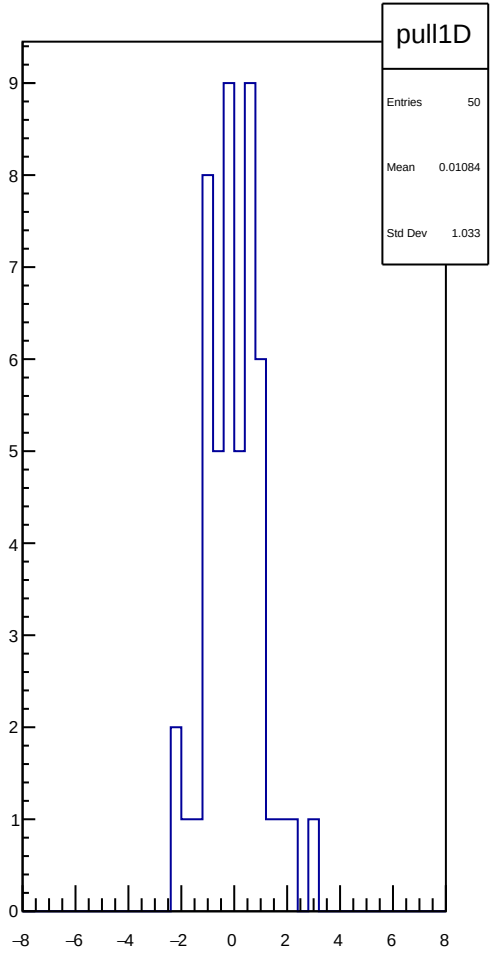

eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 91.7 / 49
p0 1713 ± 1.756
1760
1740
1720
1700
1680
1660
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

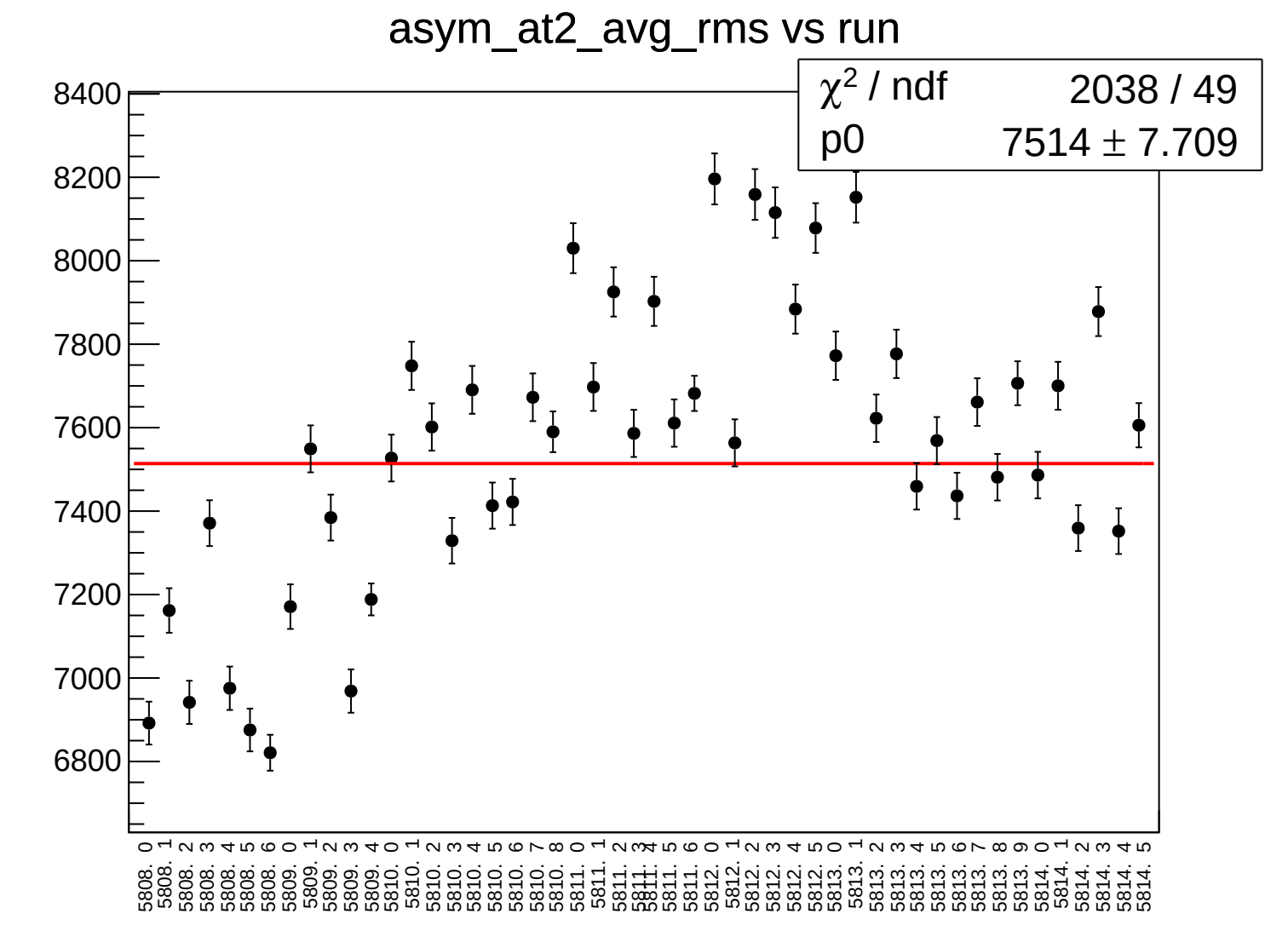

asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.41 / 49
p0 2.642e+04 ± 1.094e+04
pull
Entries 50
Mean −252.4
Std Dev 0

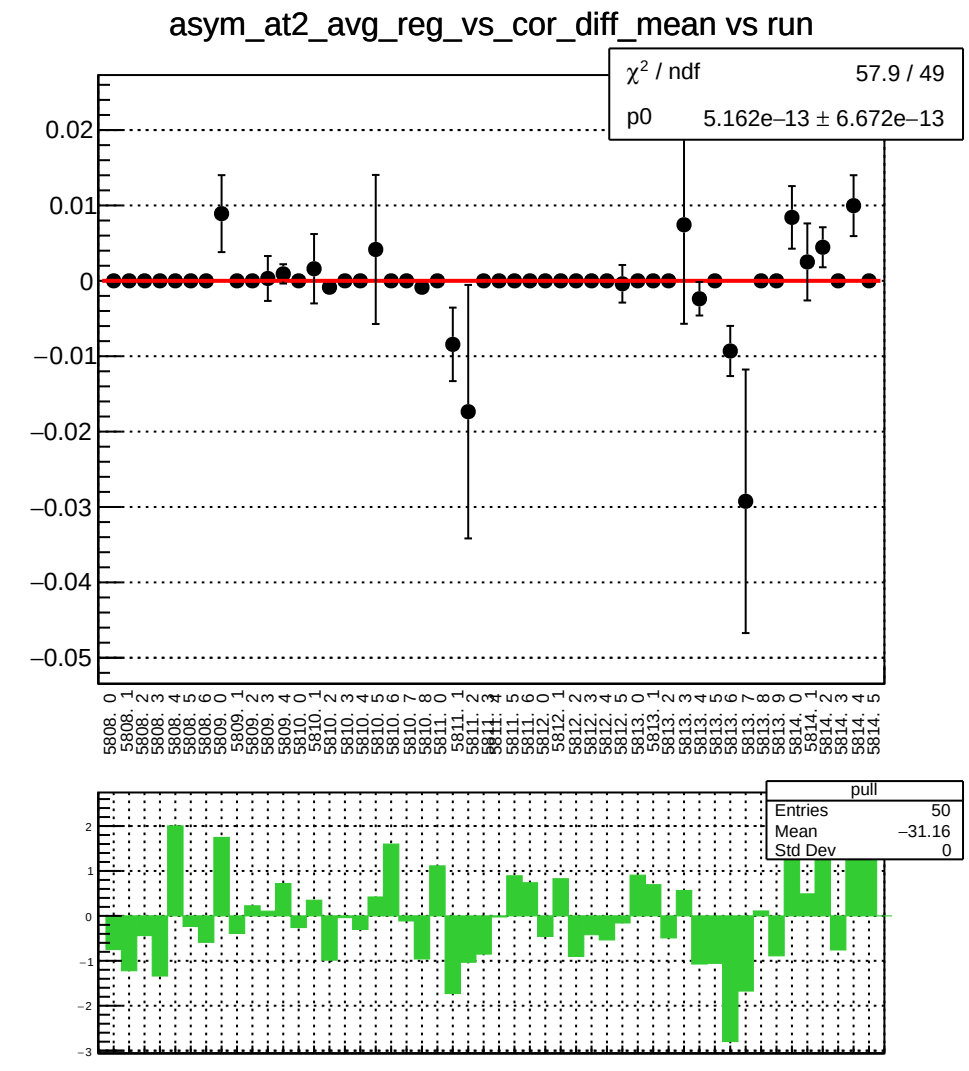

pull1D
Entries 50
Mean −0.009138
Std Dev 1.024

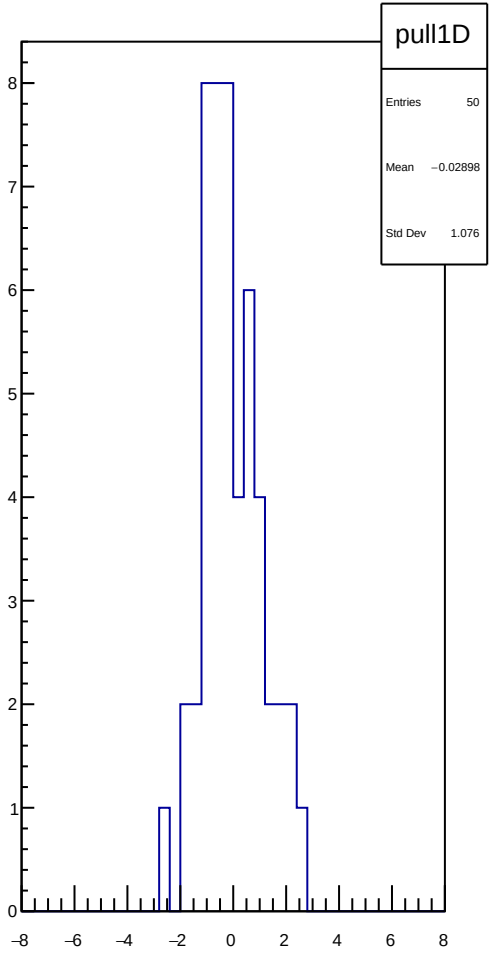

asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3869 / 49
p0 7534 ± 7.737
8500
8000
7500
7000
6500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

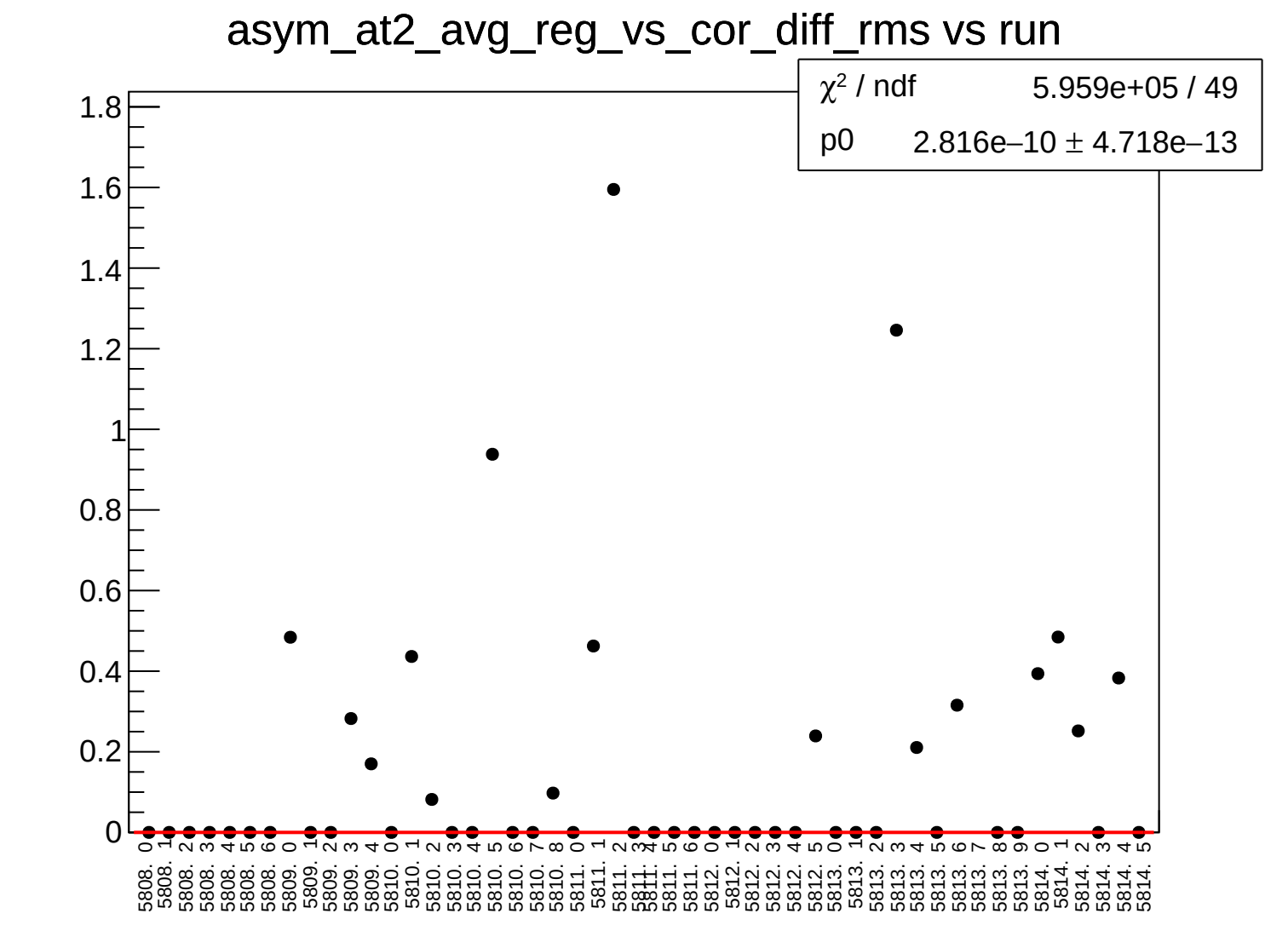

asym_at2_avg_mean vs run
×10^3
χ² / ndf 53.34 / 49
p0 −2.665e+04 ± 1.09e+04
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −196.7
Std Dev 0
3
2
1
0
−1
−2

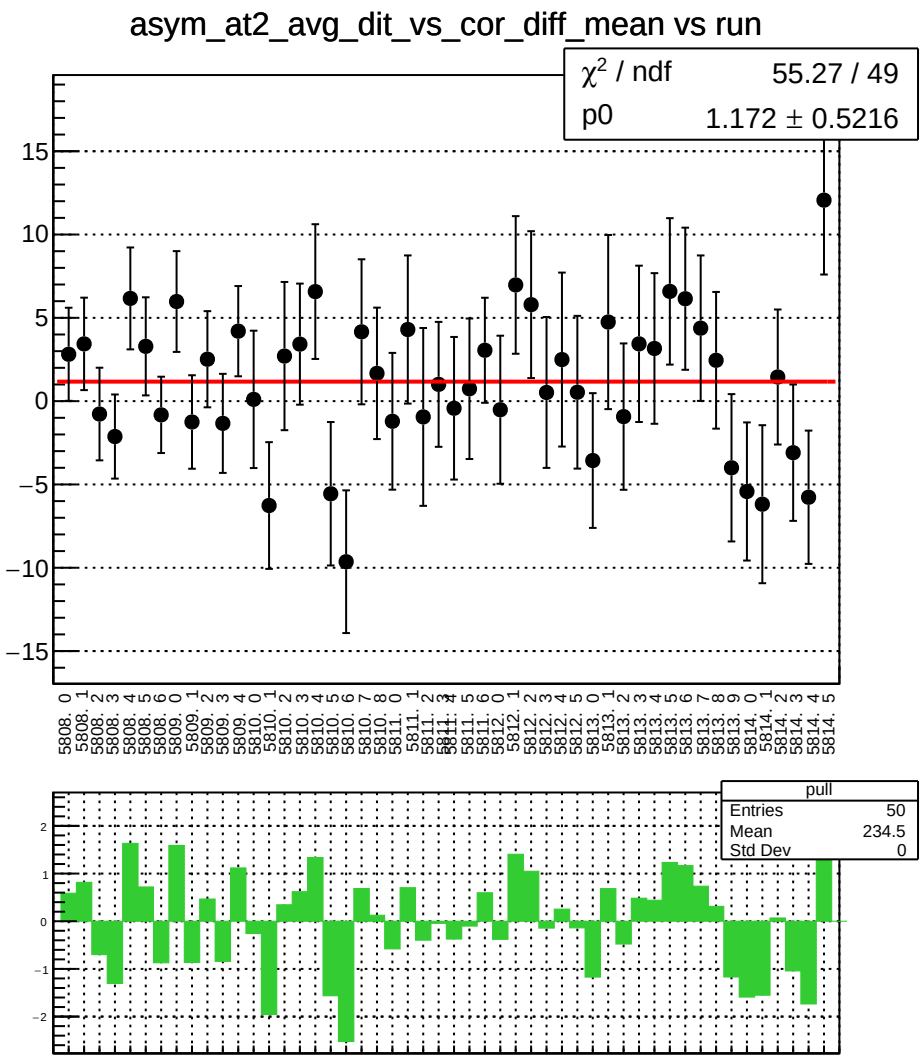

pull1D
Entries 50
Mean 0.01084
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

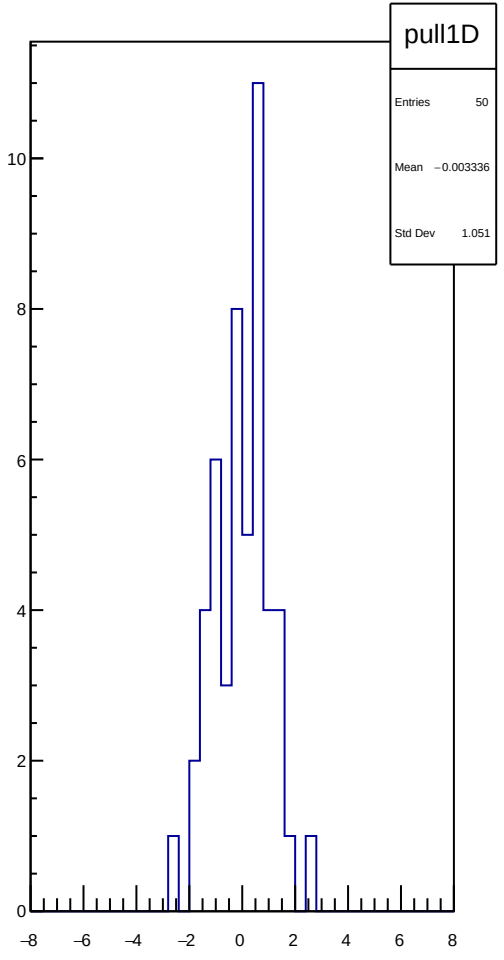

asym_at2_avg_rms vs run
χ² / ndf 2038 / 49
p0 7514 ± 7.709
8400
8200
8000
7800
7600
7400
7200
7000
6800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

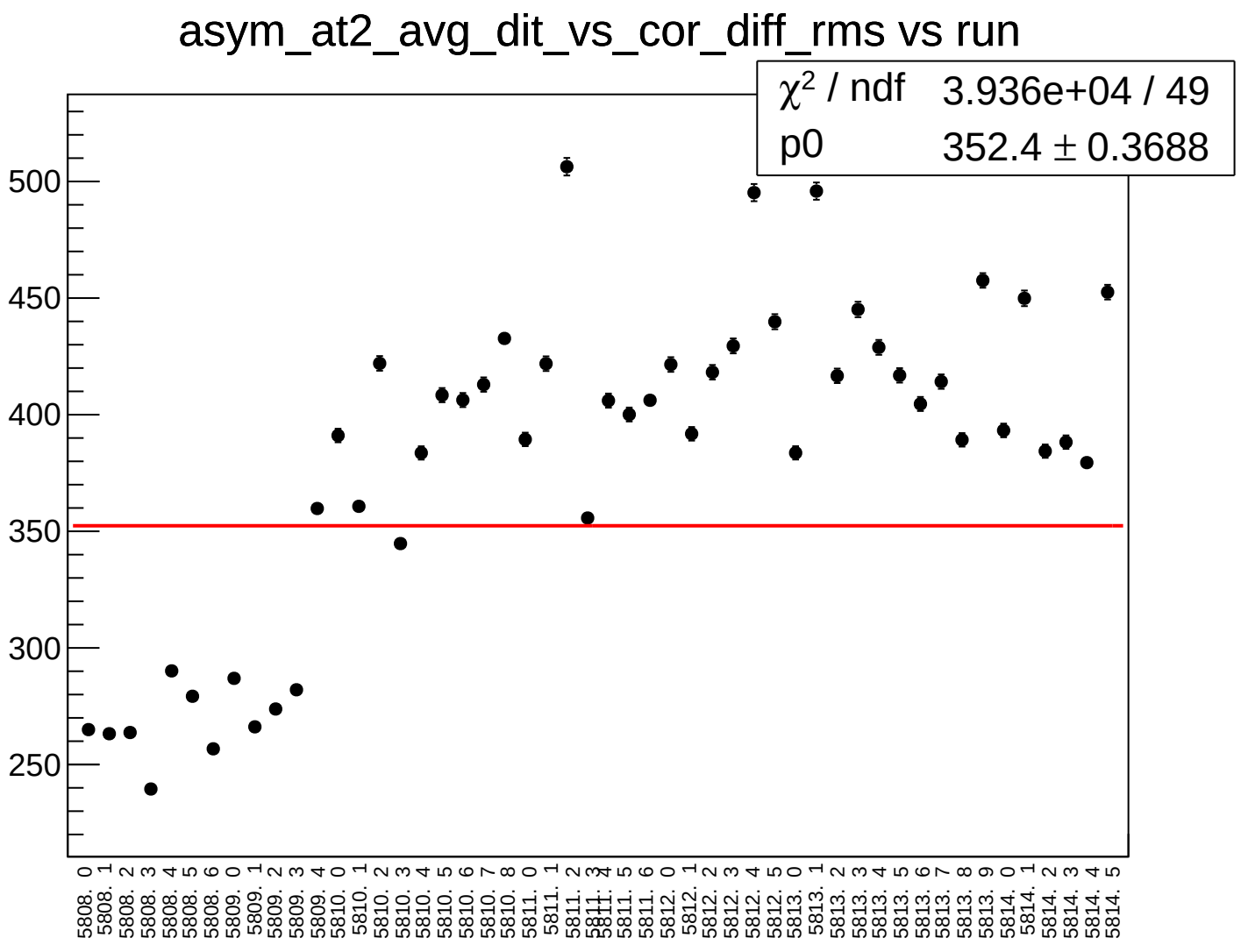

asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.9 / 49
p0 5.162e−13 ± 6.672e−13
pull
Entries 50
Mean −31.16
Std Dev 0

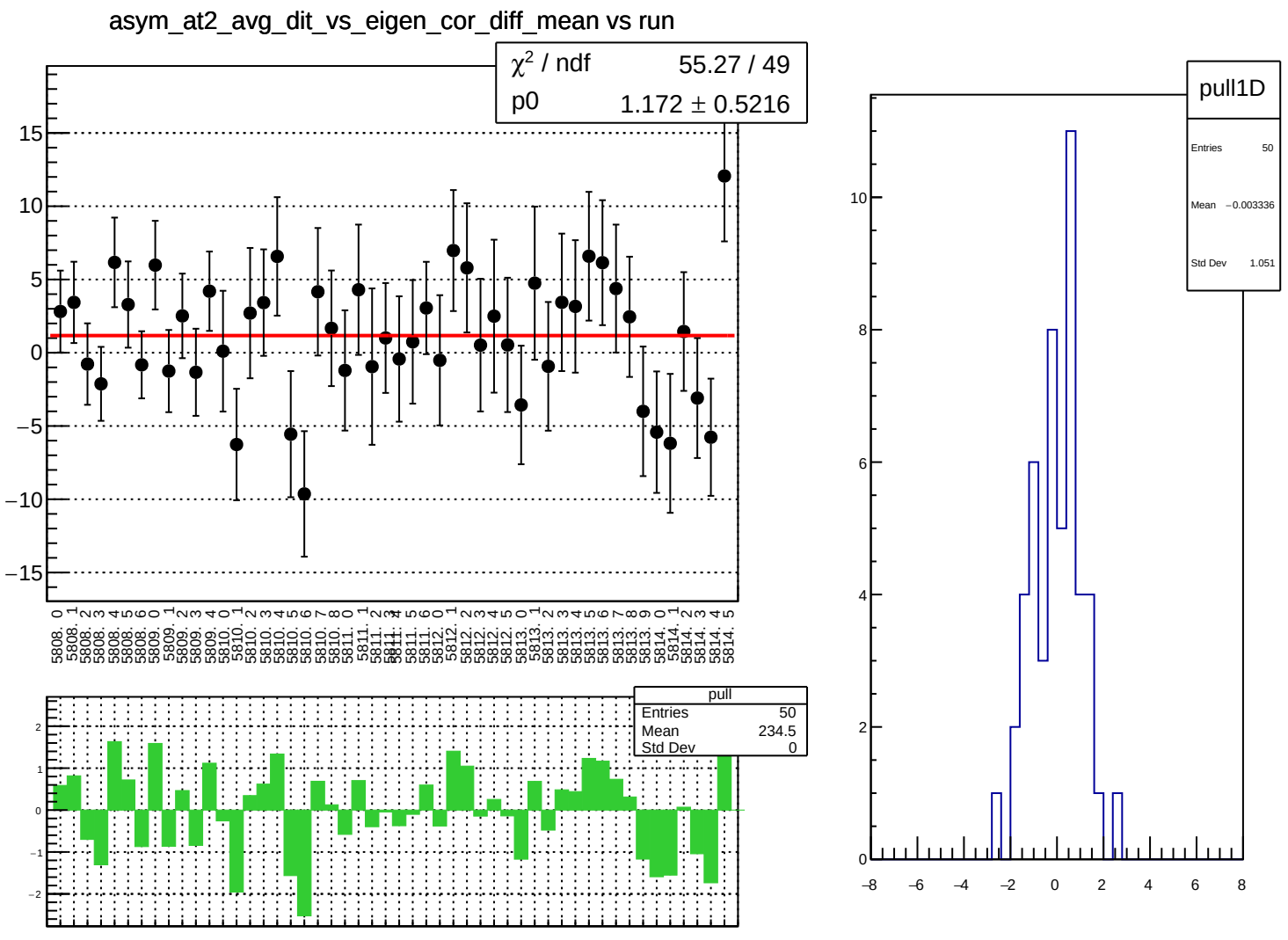

pull1D
Entries 50
Mean −0.02898
Std Dev 1.076

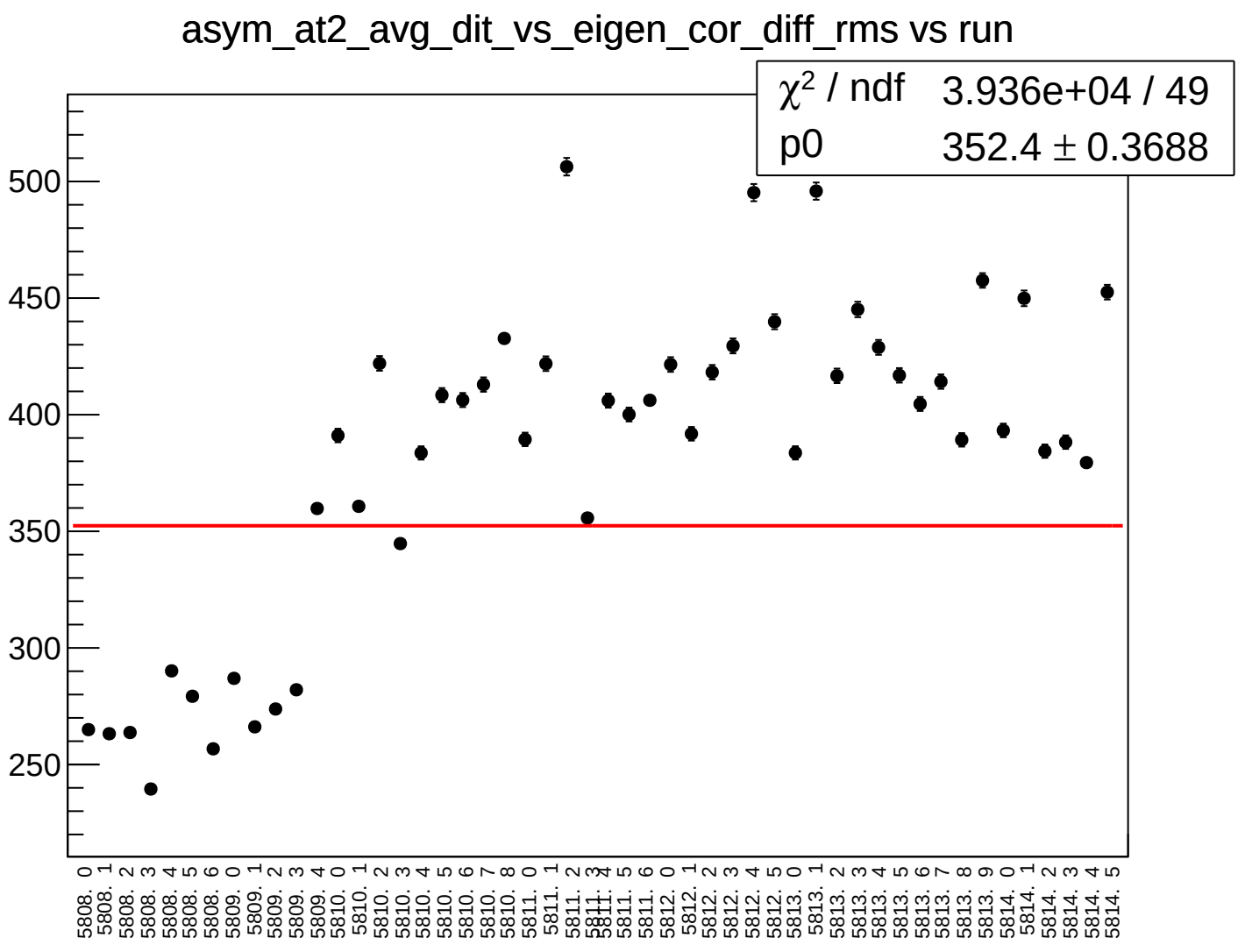

asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.959e+05 / 49
p0 2.816e−10 ± 4.718e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

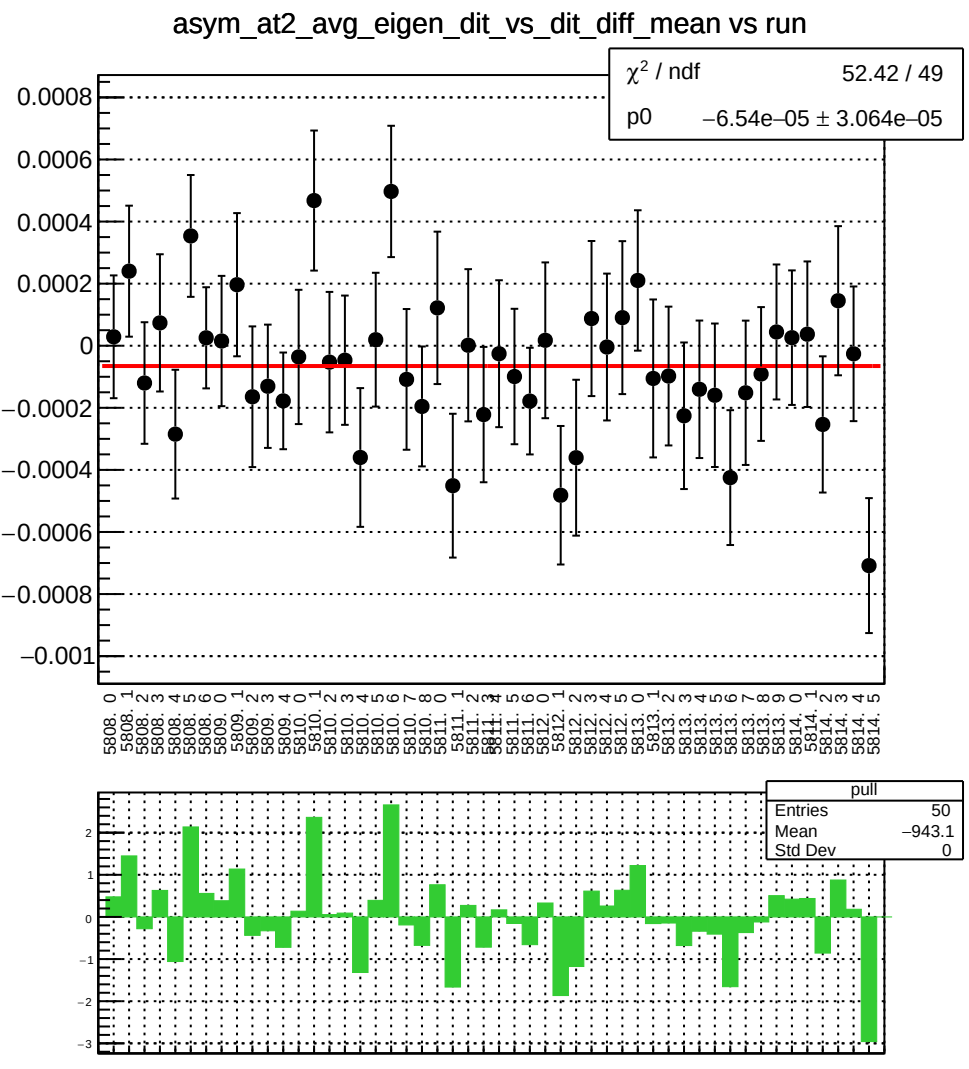

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.27 / 49
p0 1.172 ± 0.5216
pull
Entries 50
Mean 234.5
Std Dev 0

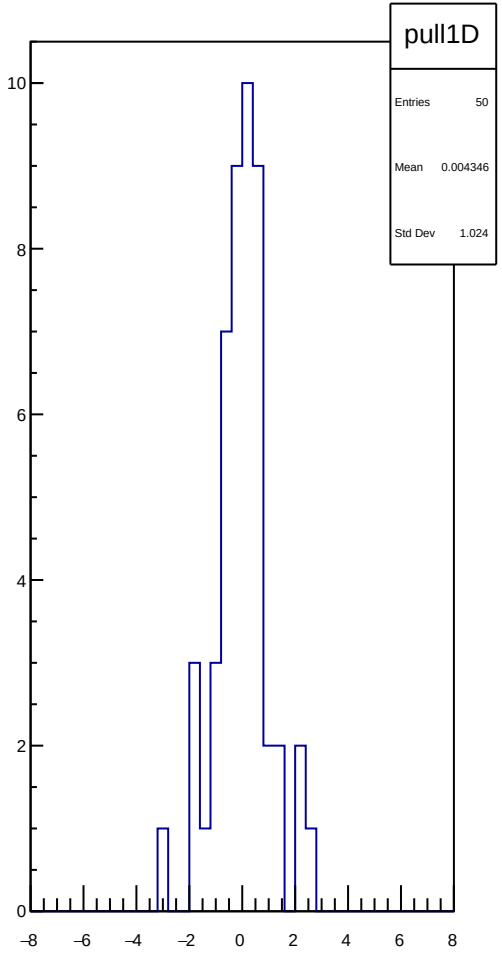

pull1D
Entries 50
Mean −0.003336
Std Dev 1.051

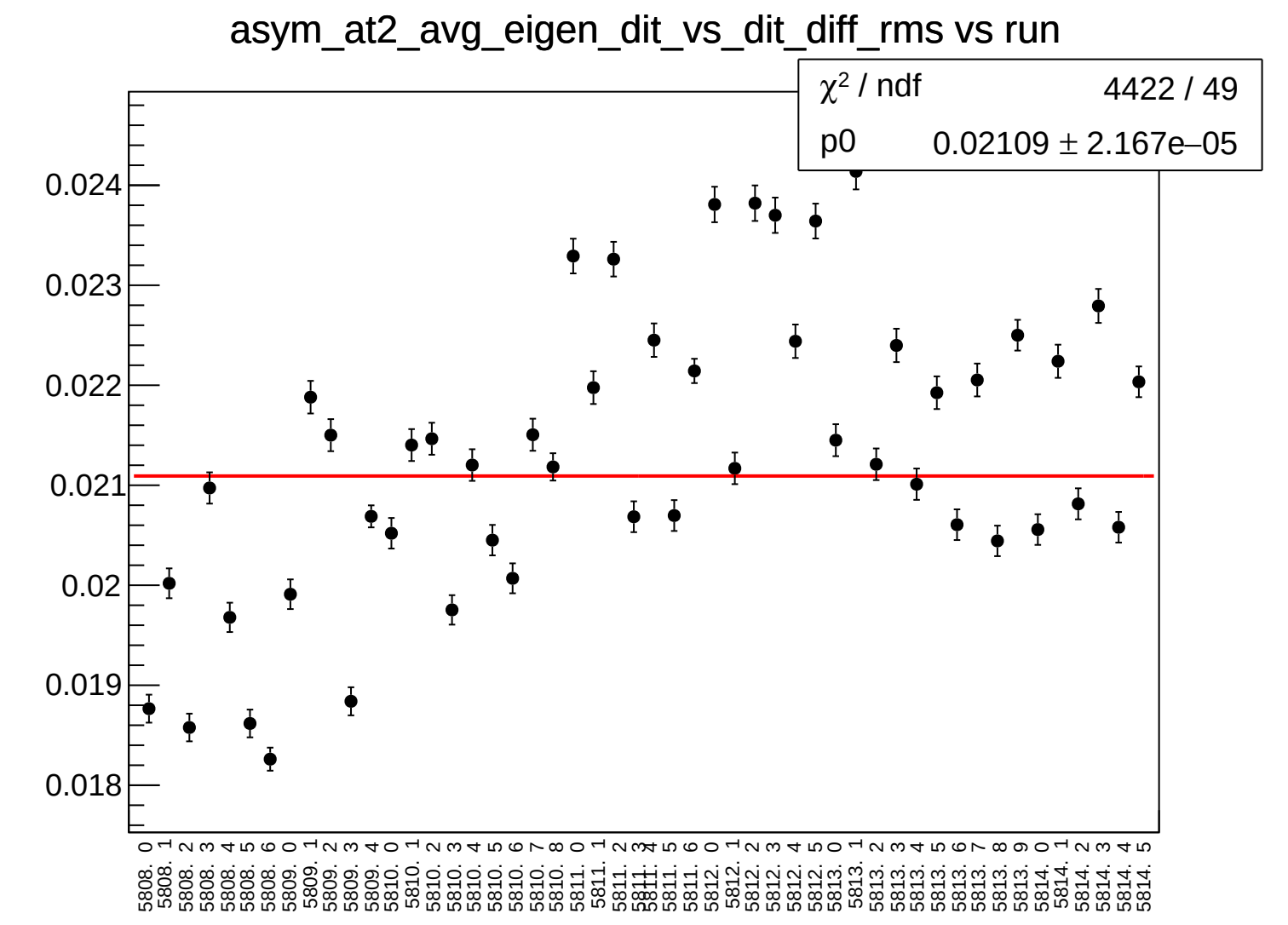

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.936e+04 / 49
p0 352.4 ± 0.3688
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

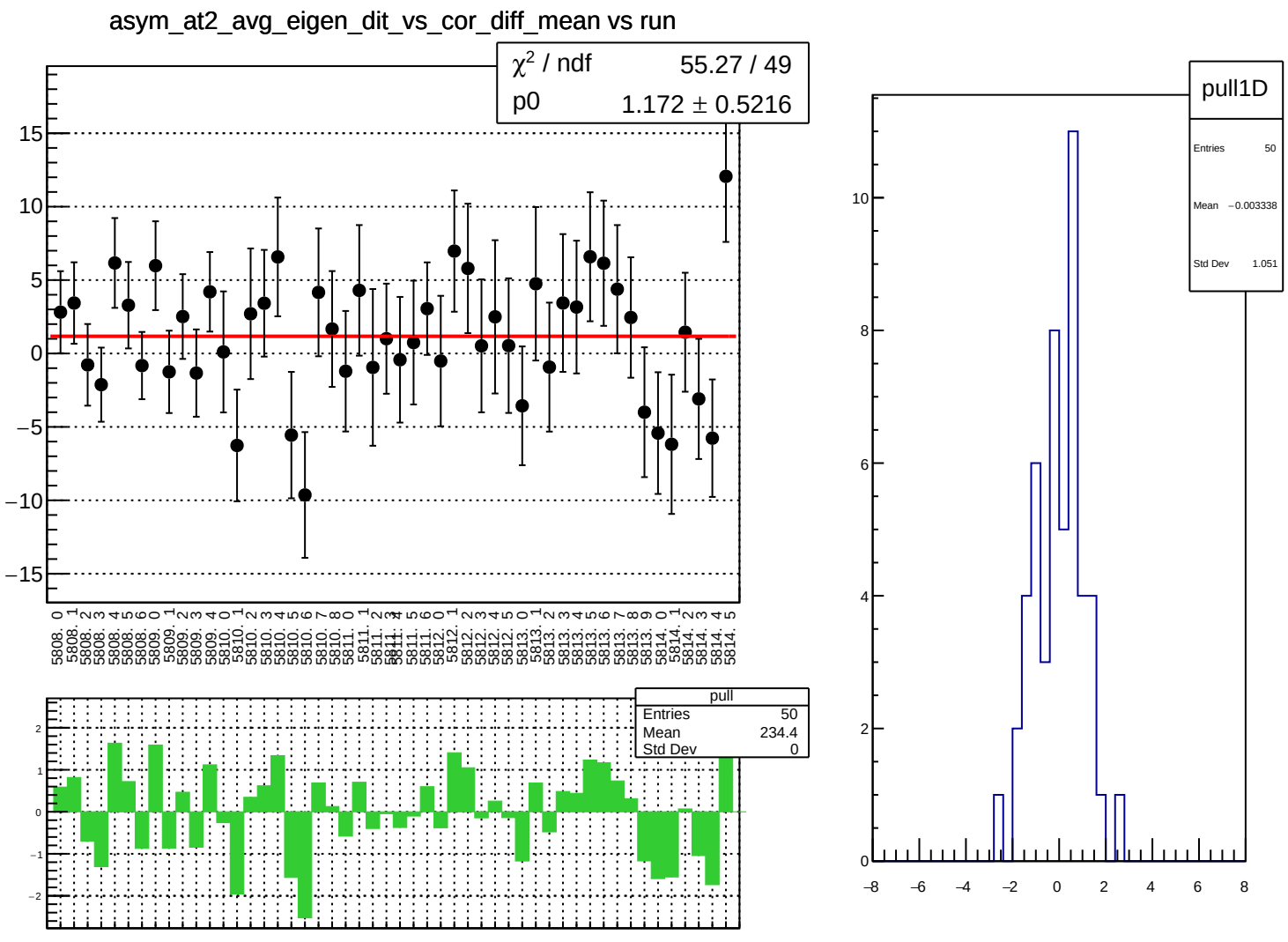

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.27 / 49
p0 1.172 ± 0.5216
pull
Entries 50
Mean 234.5
Std Dev 0
pull1D
Entries 50
Mean −0.003336
Std Dev 1.051

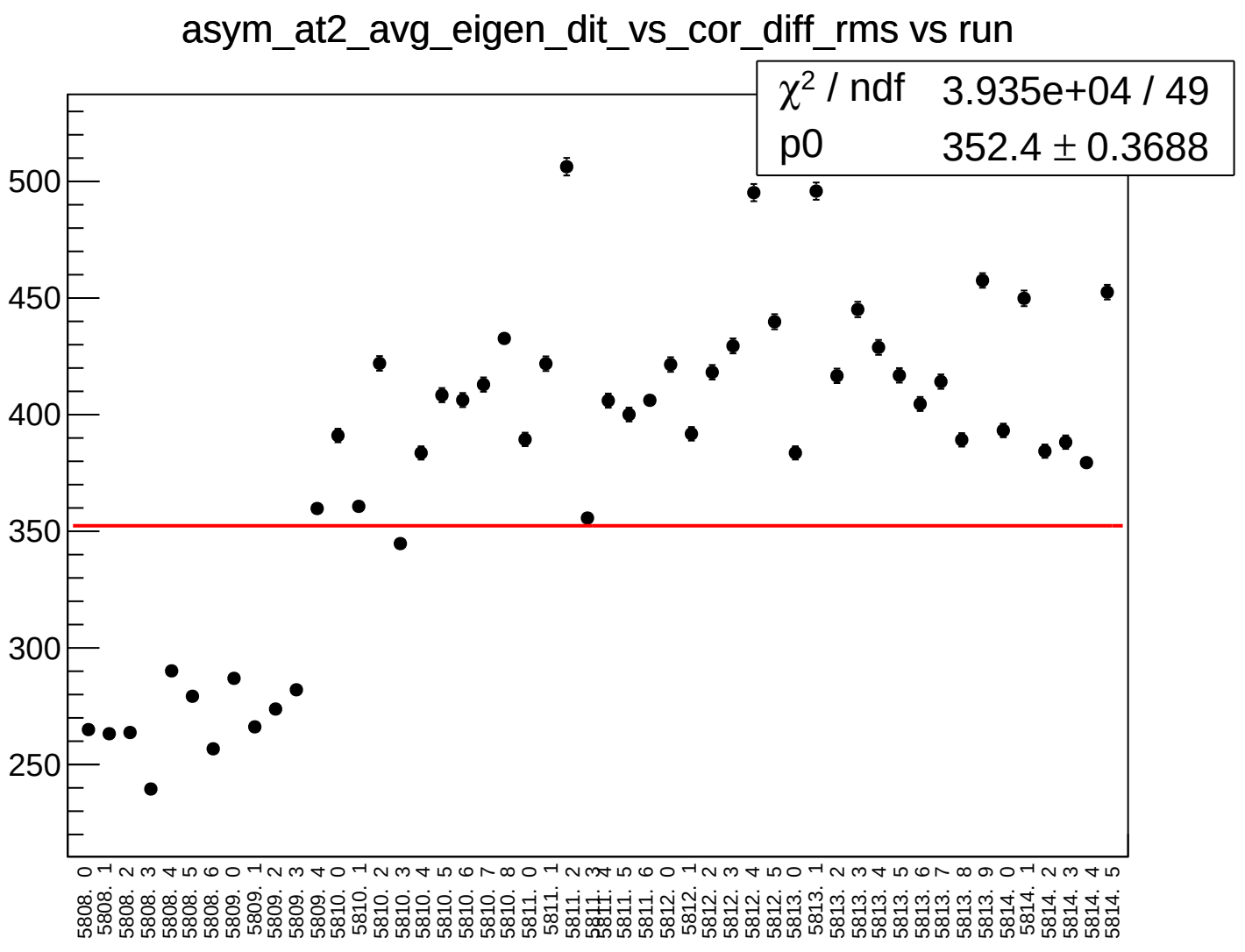

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.936e+04 / 49
p0 352.4 ± 0.3688
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 52.42 / 49
p0 −6.54e−05 ± 3.064e−05
pull
Entries 50
Mean −943.1
Std Dev 0


pull1D
Entries 50
Mean 0.004346
Std Dev 1.024


asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4422 / 49
p0 0.02109 ± 2.167e–05
0.024
0.023
0.022
0.021
0.02
0.019
0.018
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.27 / 49
p0 1.172 ± 0.5216
pull
Entries 50
Mean 234.4
Std Dev 0
pull1D
Entries 50
Mean −0.003338
Std Dev 1.051


asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.935e+04 / 49
p0 352.4 ± 0.3688
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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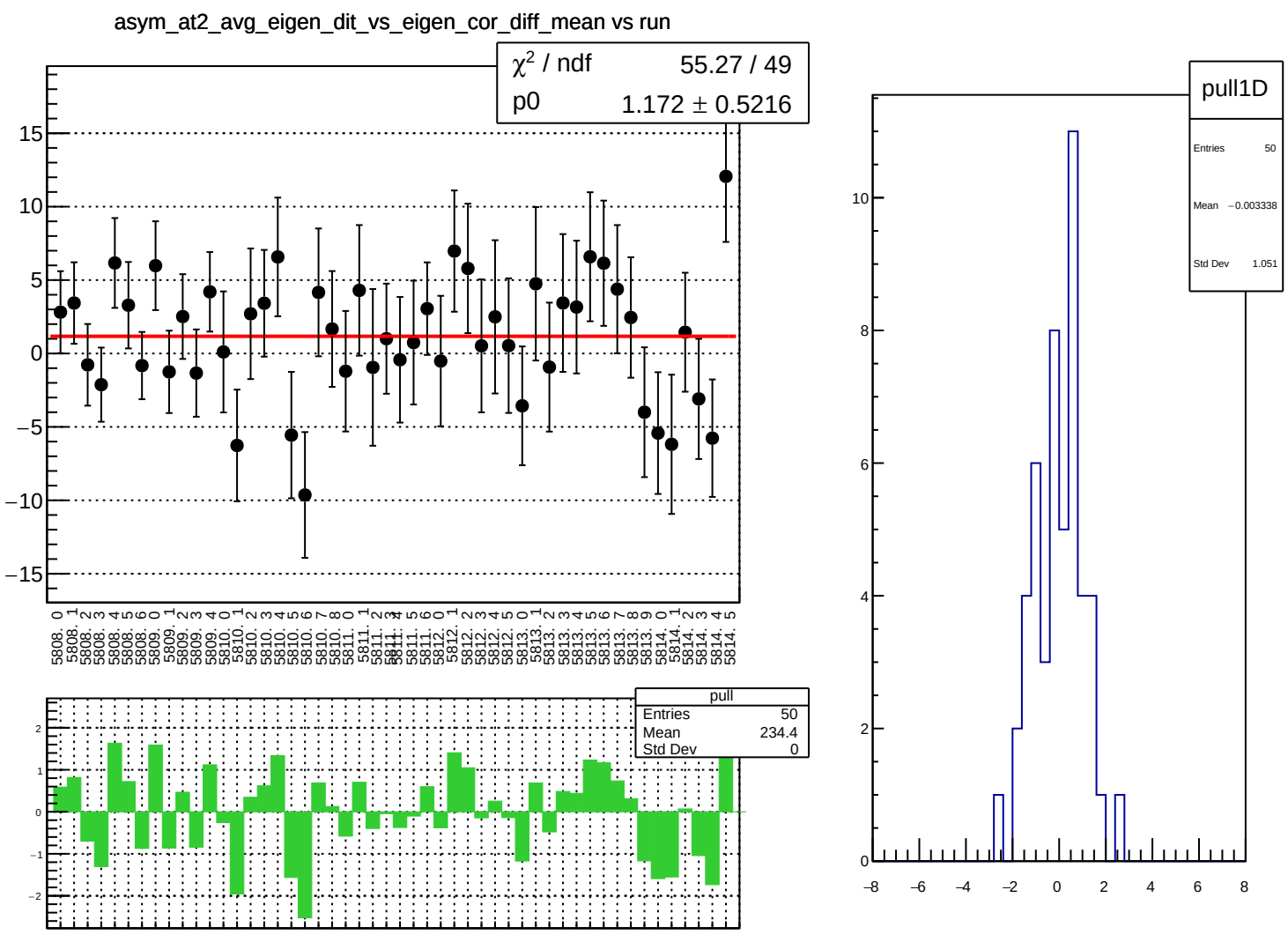
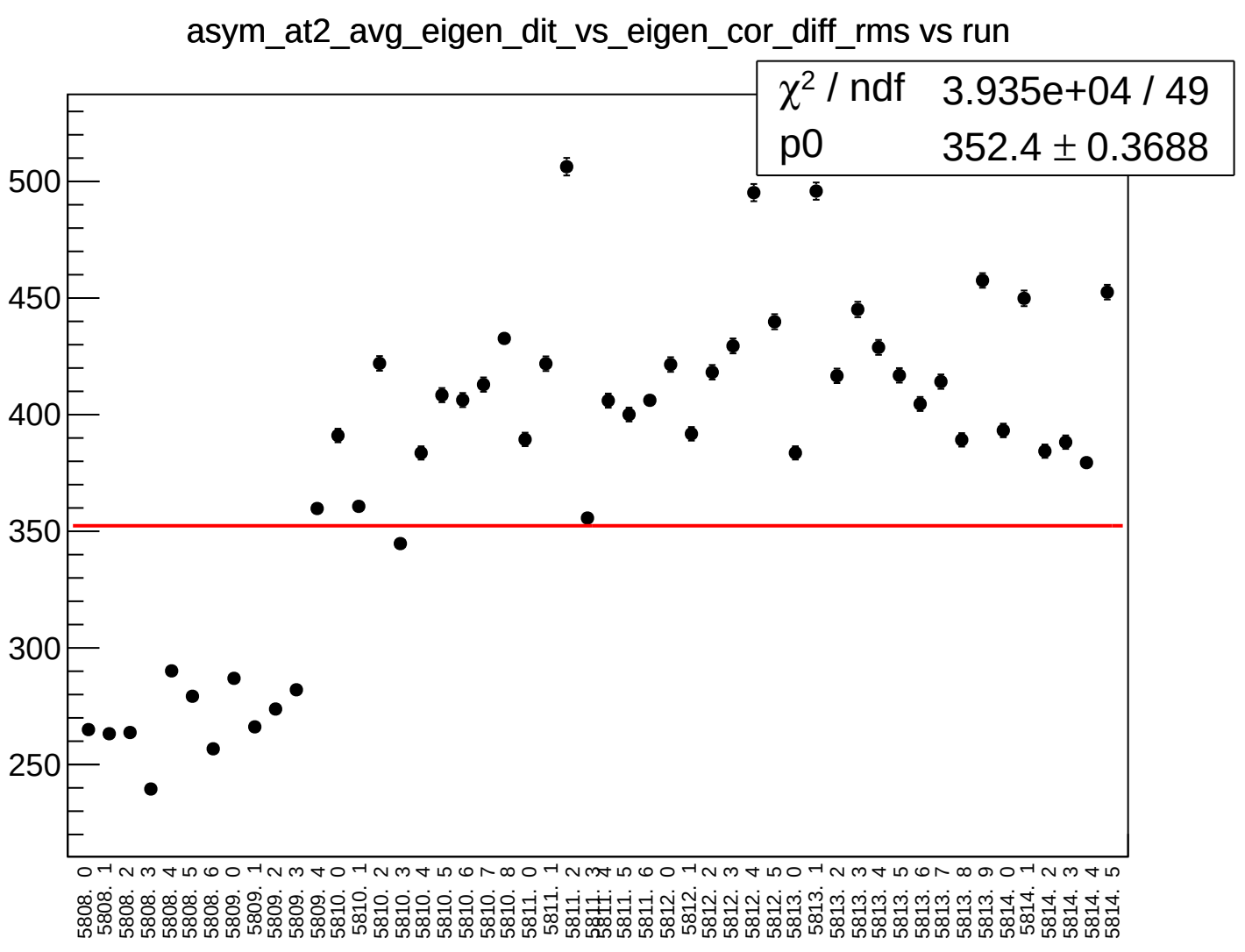
5814. 5


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.27 / 49
p0 1.172 ± 0.5216
pull
Entries 50
Mean 234.4
Std Dev 0
pull1D
Entries 50
Mean −0.003338
Std Dev 1.051


asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.935e+04 / 49
p0 352.4 ± 0.3688
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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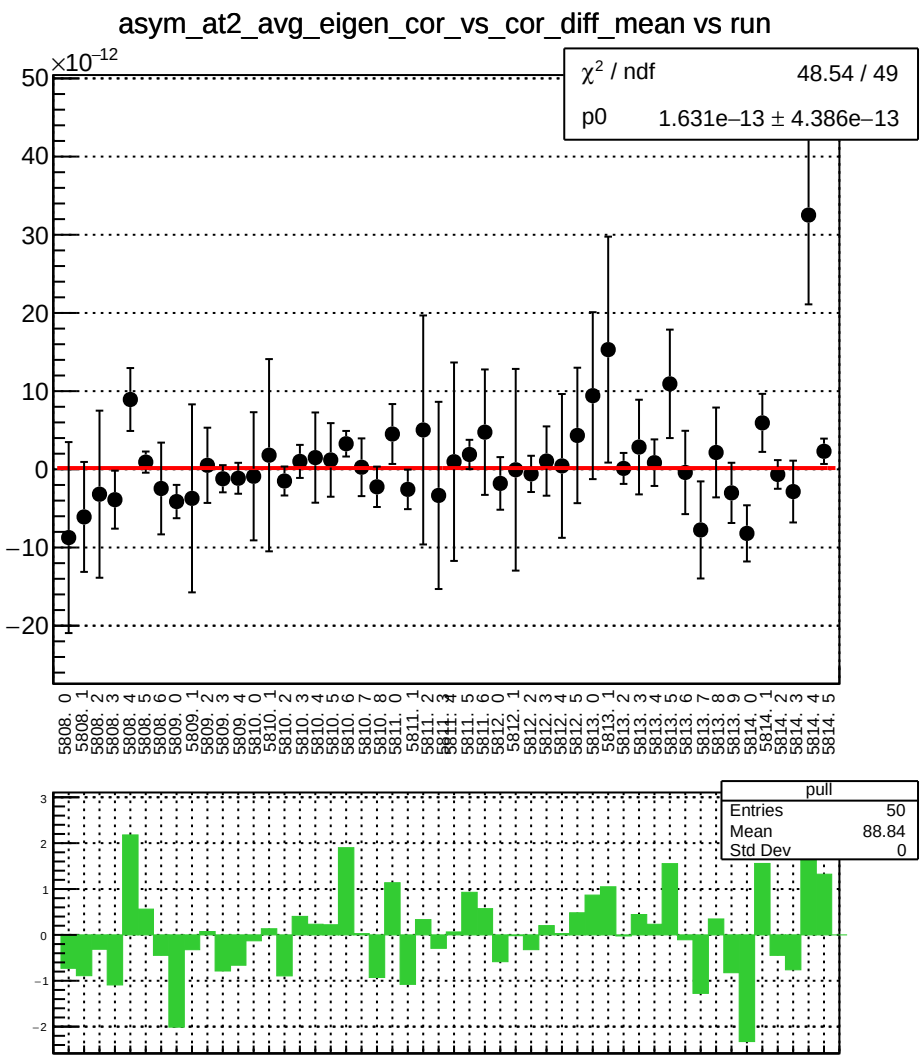
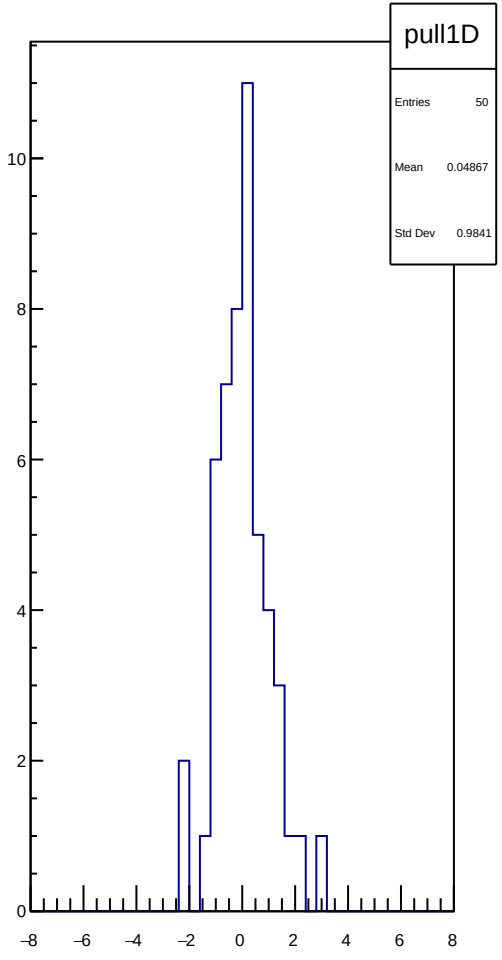
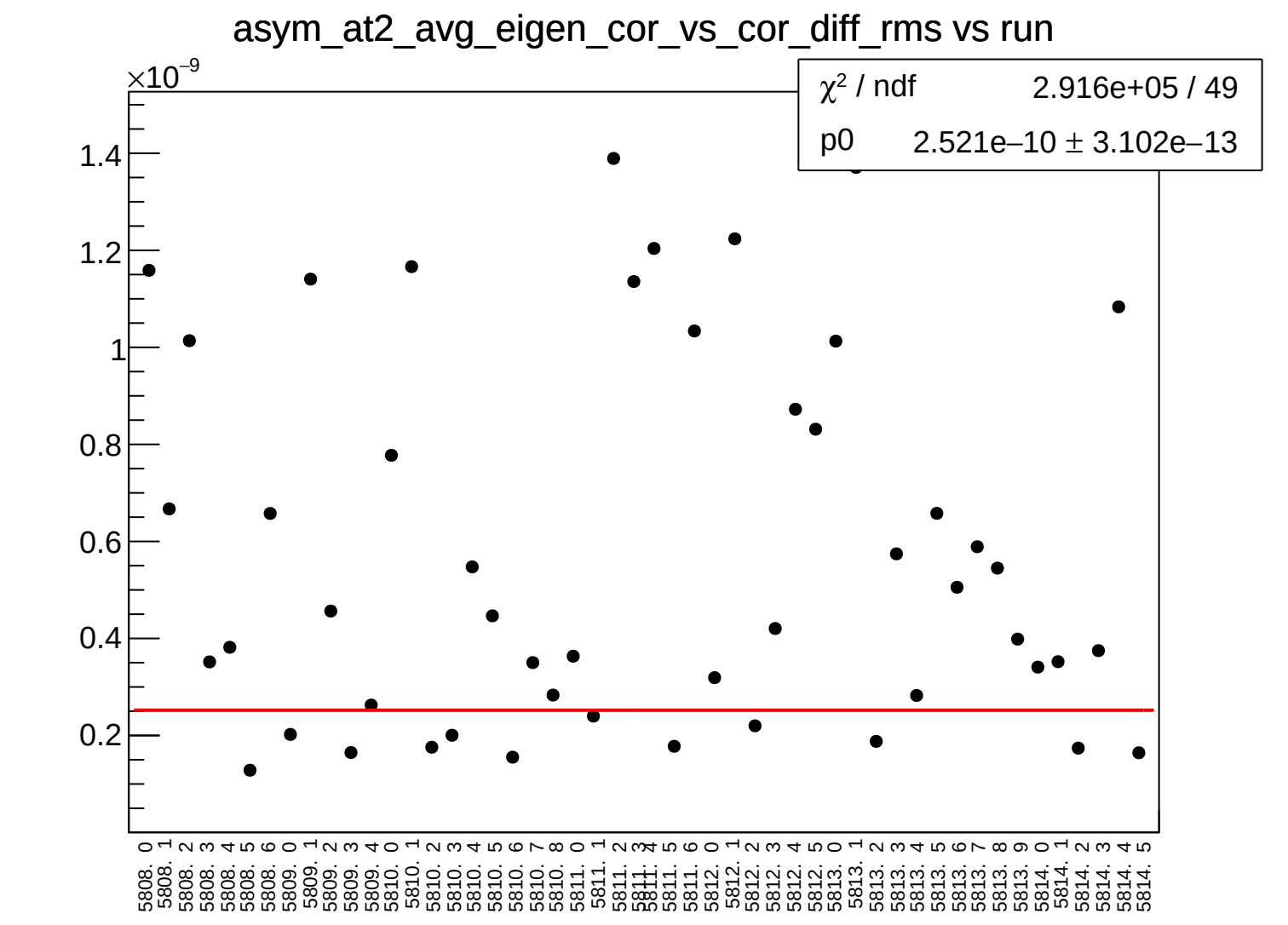
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.54 / 49
p0 1.631e−13 ± 4.386e−13
pull
Entries 50
Mean 88.84
Std Dev 0


pull1D
Entries 50
Mean 0.04867
Std Dev 0.9841


asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.916e+05 / 49
p0 2.521e−10 ± 3.102e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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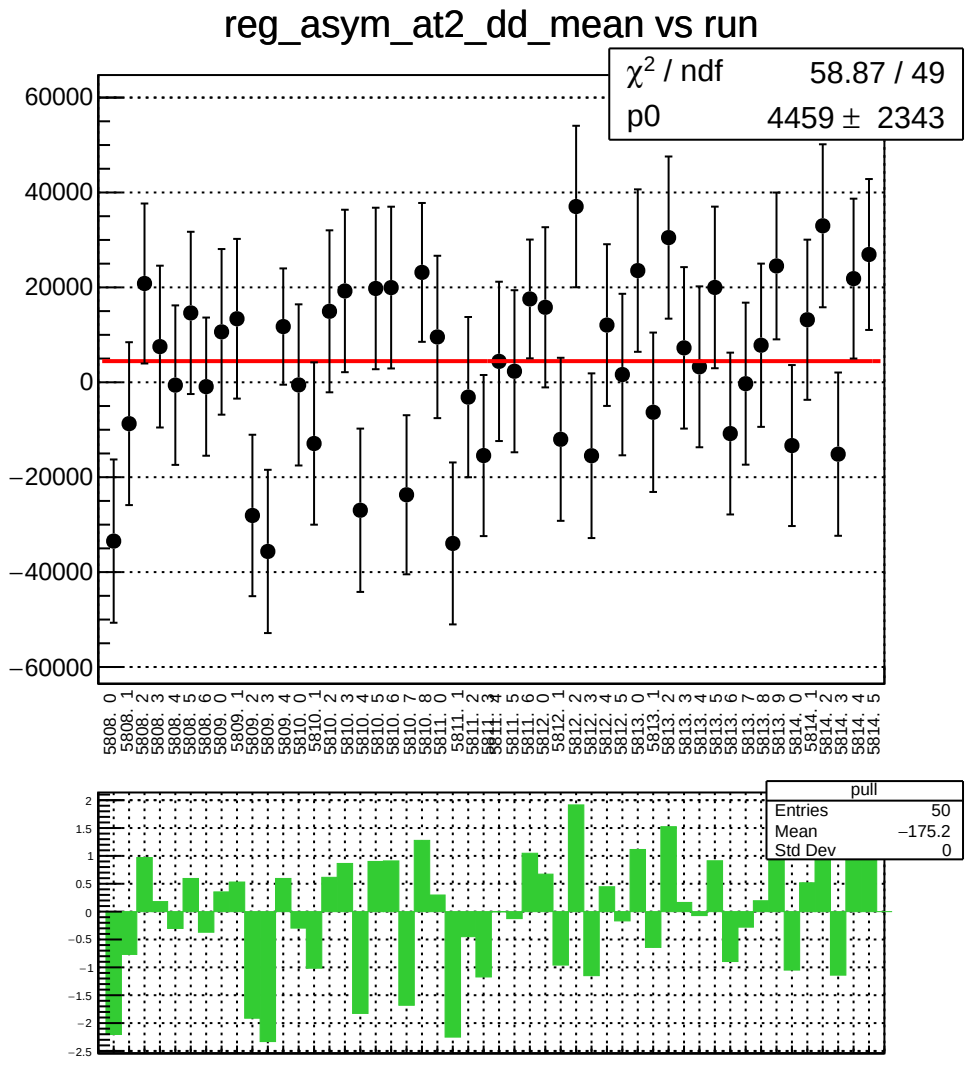
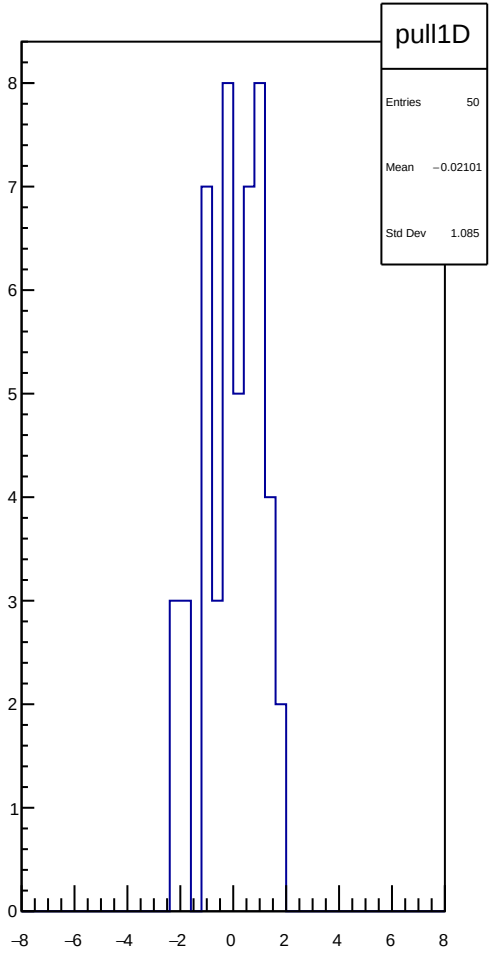
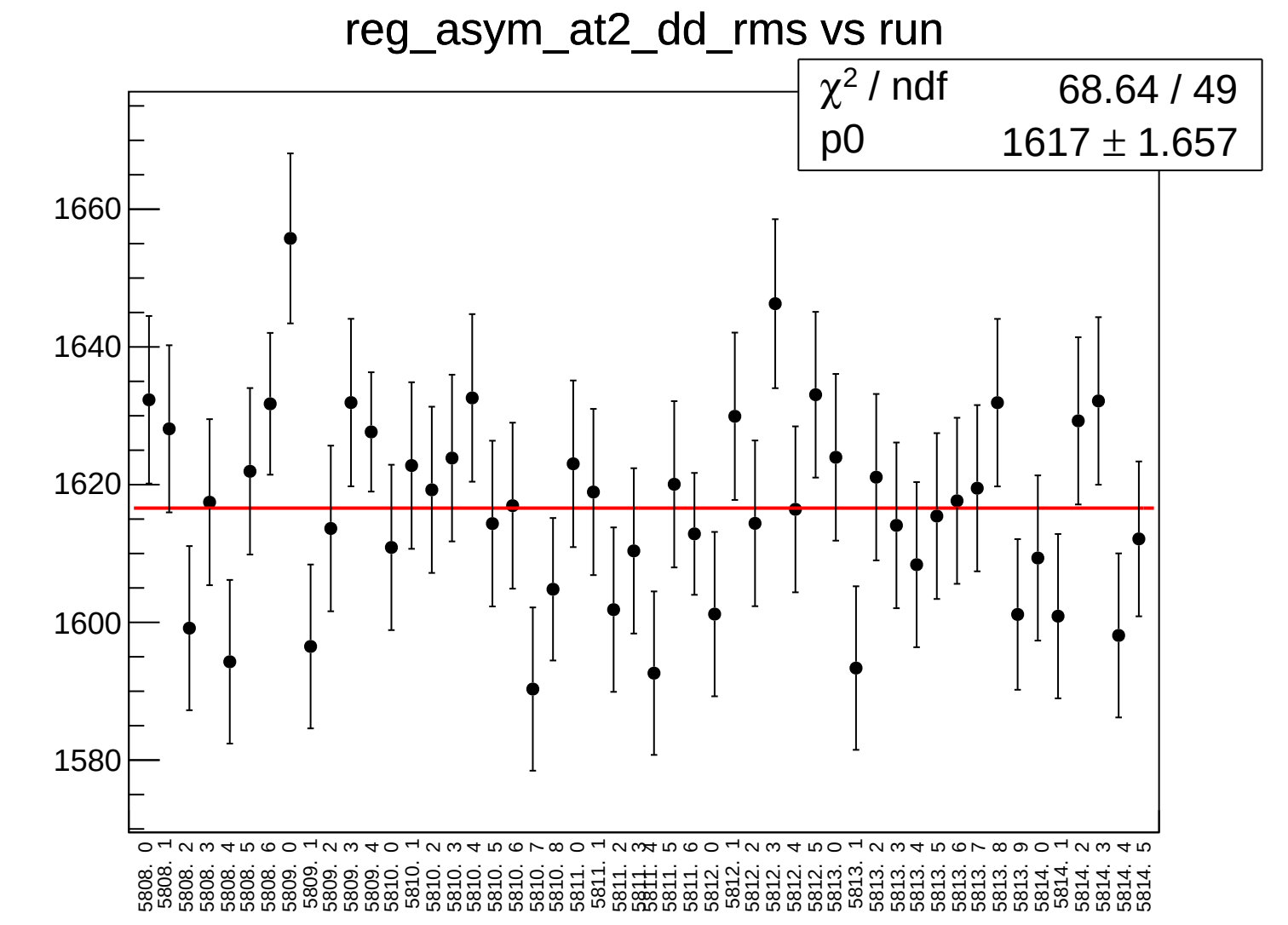
5814. 4
5814. 5


reg_asym_at2_dd_mean vs run
χ² / ndf 58.87 / 49
p0 4459 ± 2343
pull
Entries 50
Mean −175.2
Std Dev 0


pull1D
Entries 50
Mean −0.02101
Std Dev 1.085


reg_asym_at2_dd_rms vs run
χ² / ndf 68.64 / 49
p0 1617 ± 1.657
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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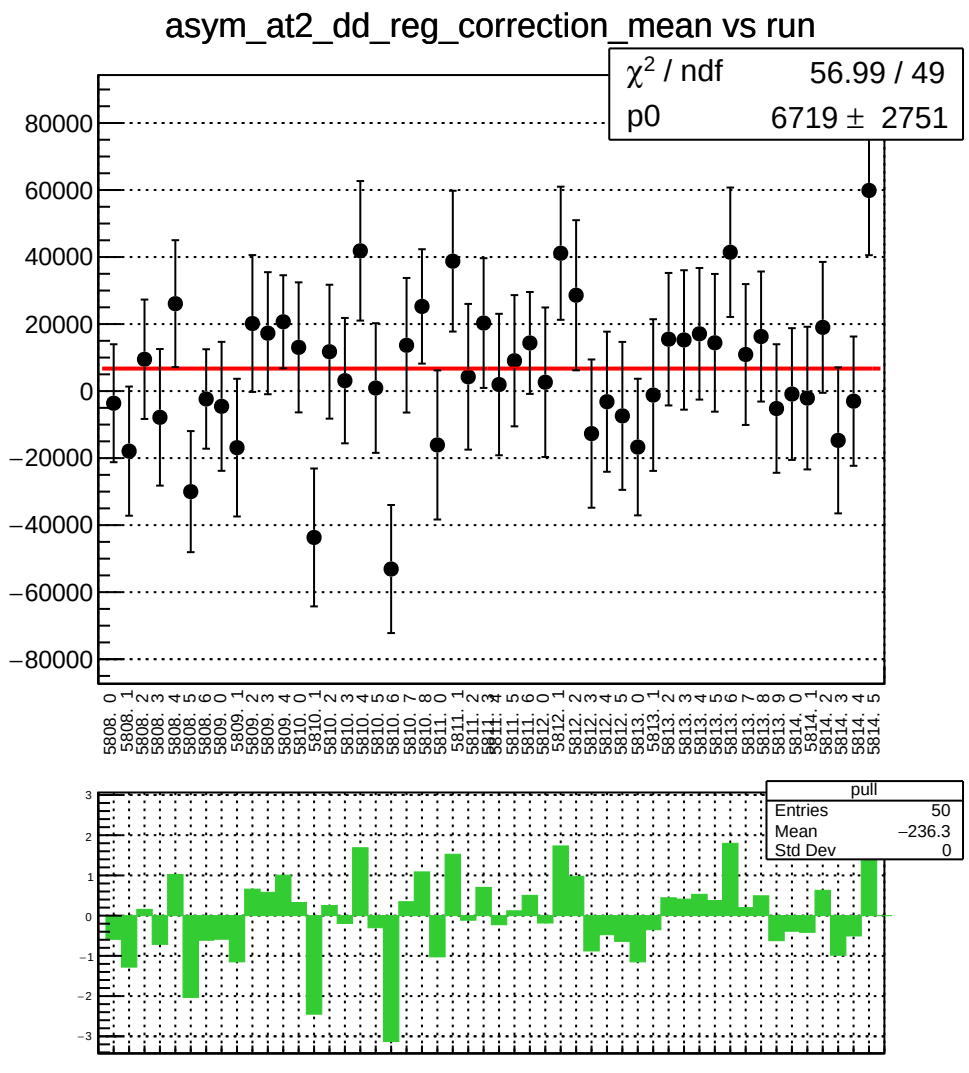
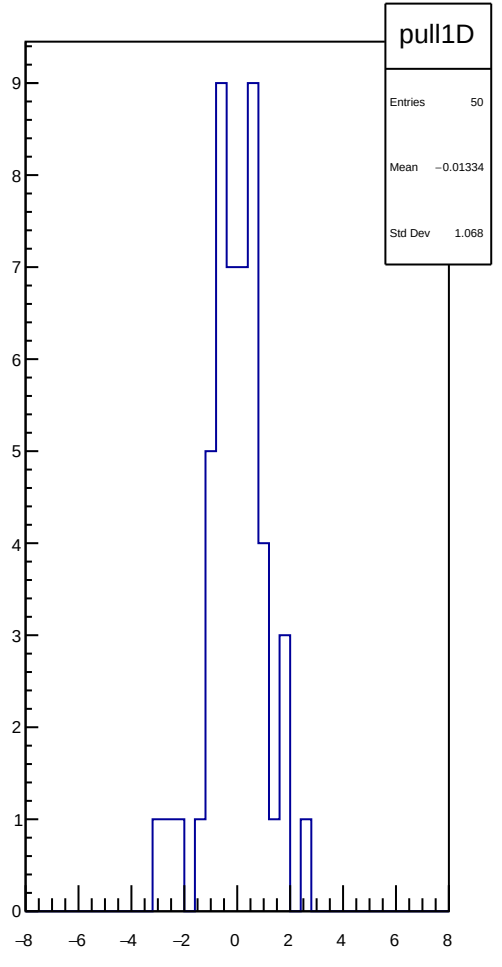
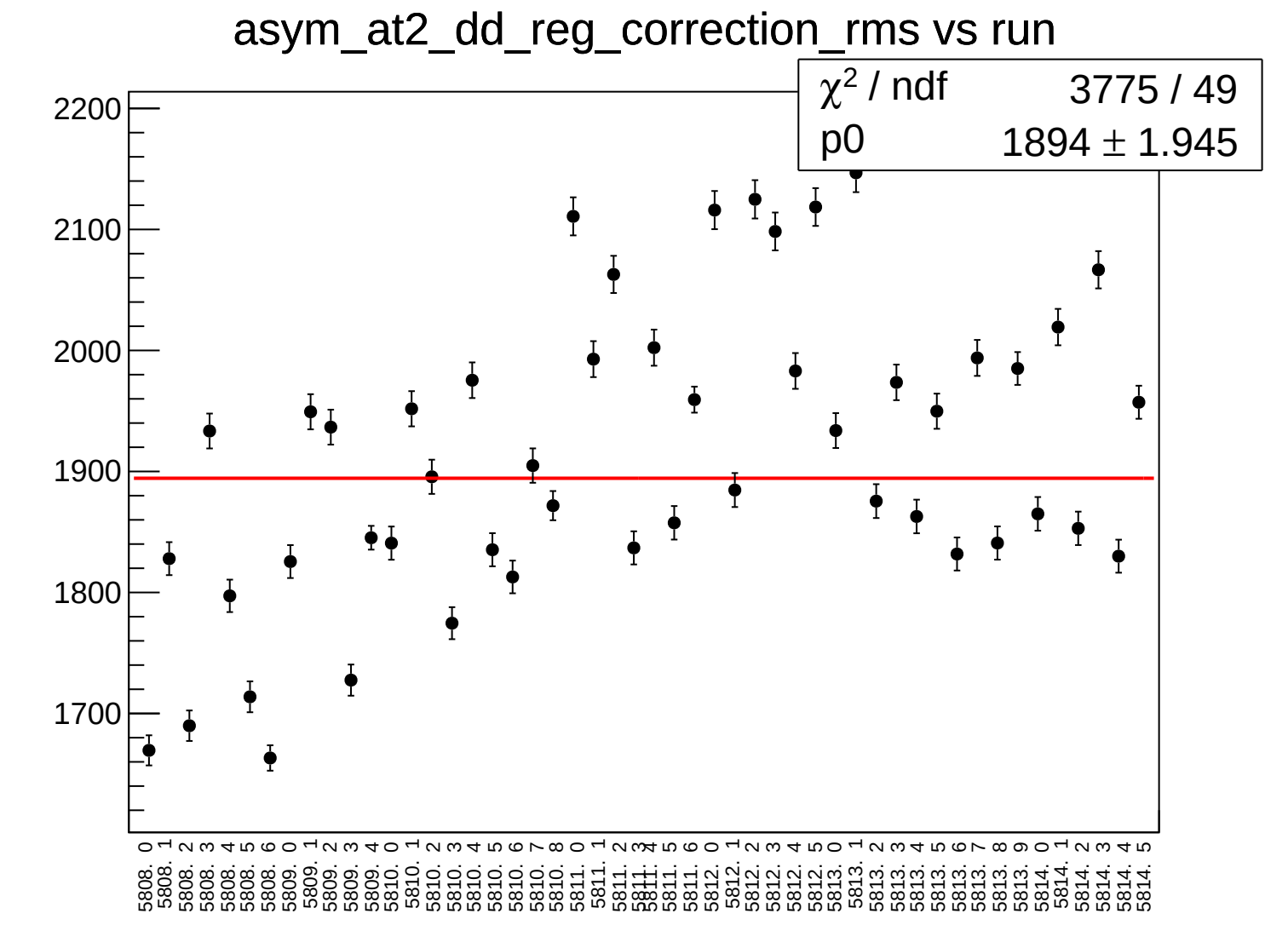
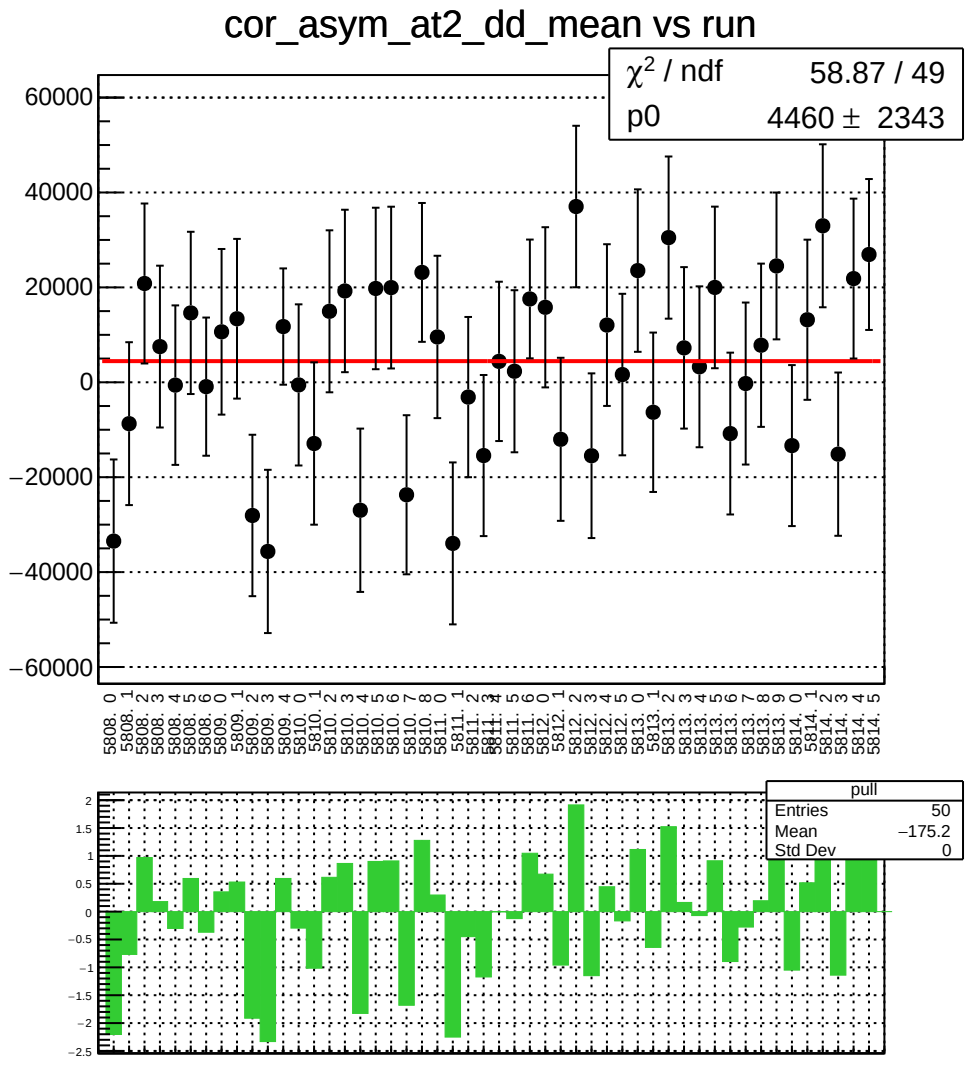
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_reg_correction_mean vs run
χ² / ndf 56.99 / 49
p0 6719 ± 2751
pull
Entries 50
Mean −236.3
Std Dev 0


pull1D
Entries 50
Mean −0.01334
Std Dev 1.068


asym_at2_dd_reg_correction_rms vs run
χ² / ndf 3775 / 49
p0 1894 ± 1.945
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_at2_dd_mean vs run
χ² / ndf 58.87 / 49
p0 4460 ± 2343
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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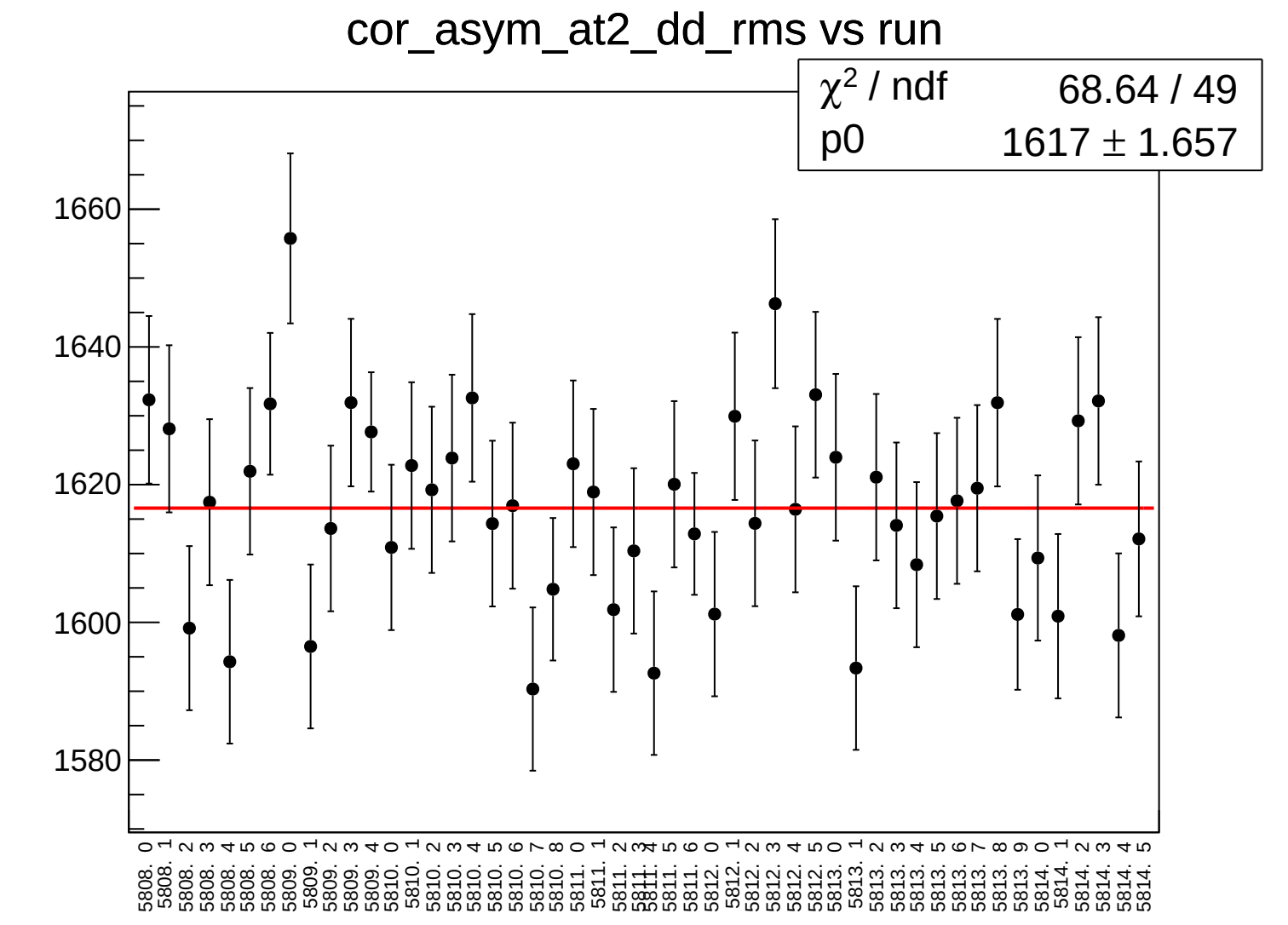
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −175.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.02101
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_at2_dd_rms vs run
χ² / ndf 68.64 / 49
p0 1617 ± 1.657
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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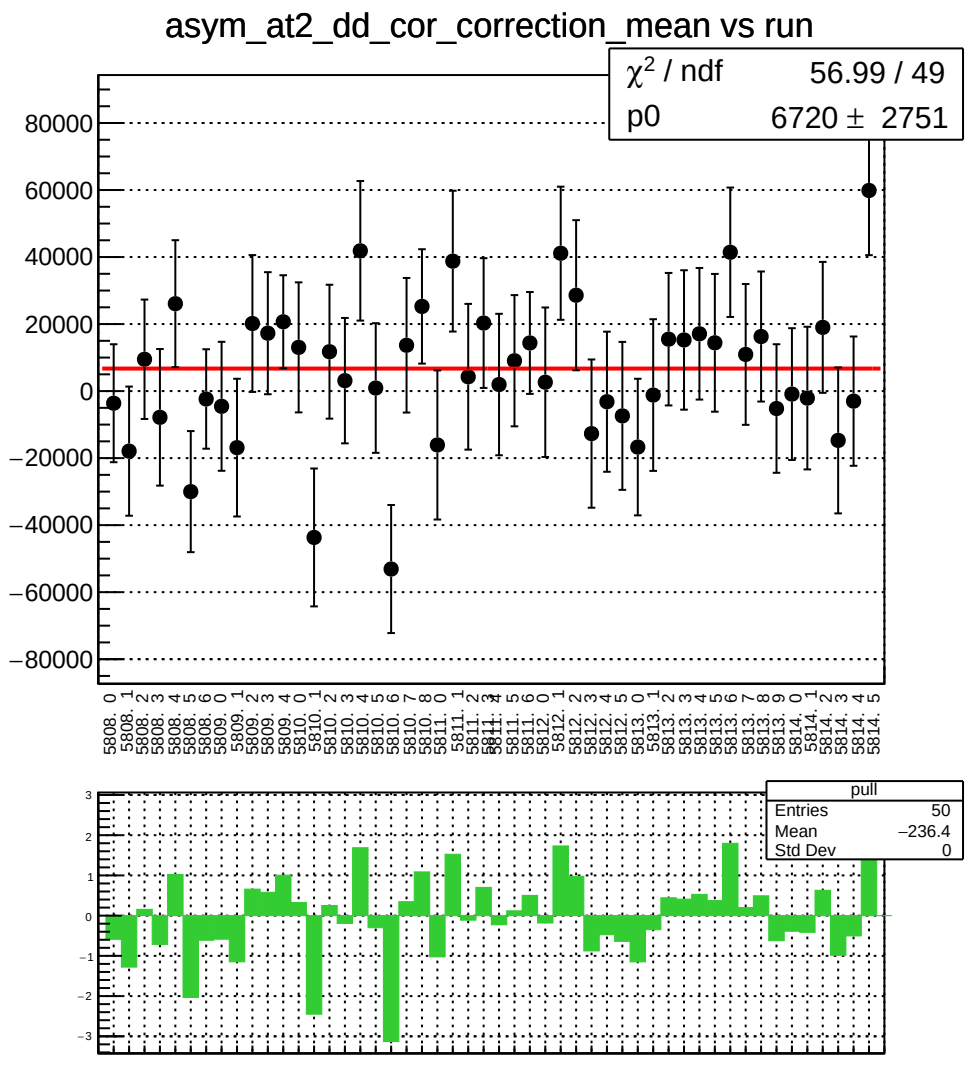
5814. 4
5814. 5


asym_at2_dd_cor_correction_mean vs run
χ² / ndf 56.99 / 49
p0 6720 ± 2751
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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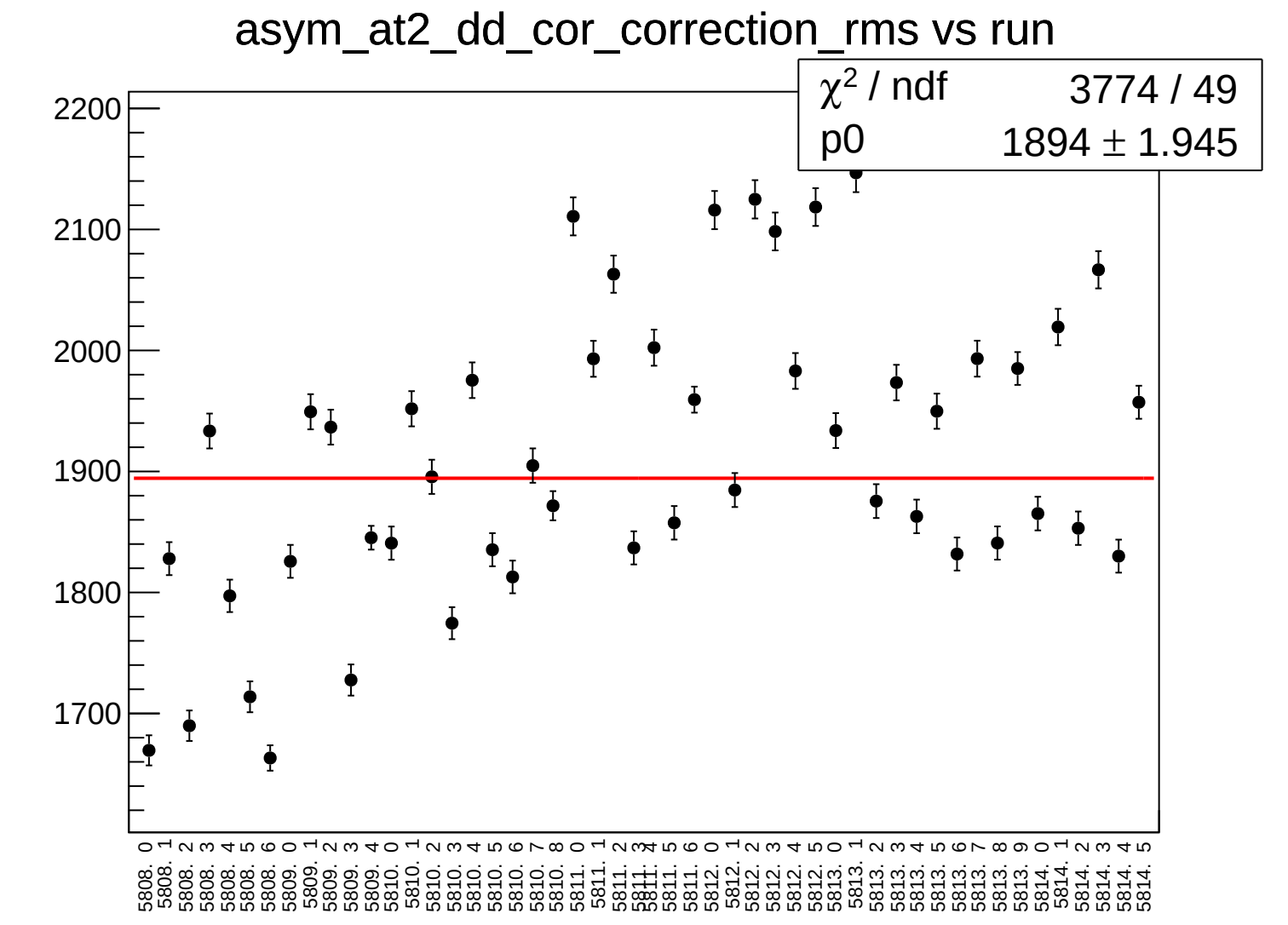
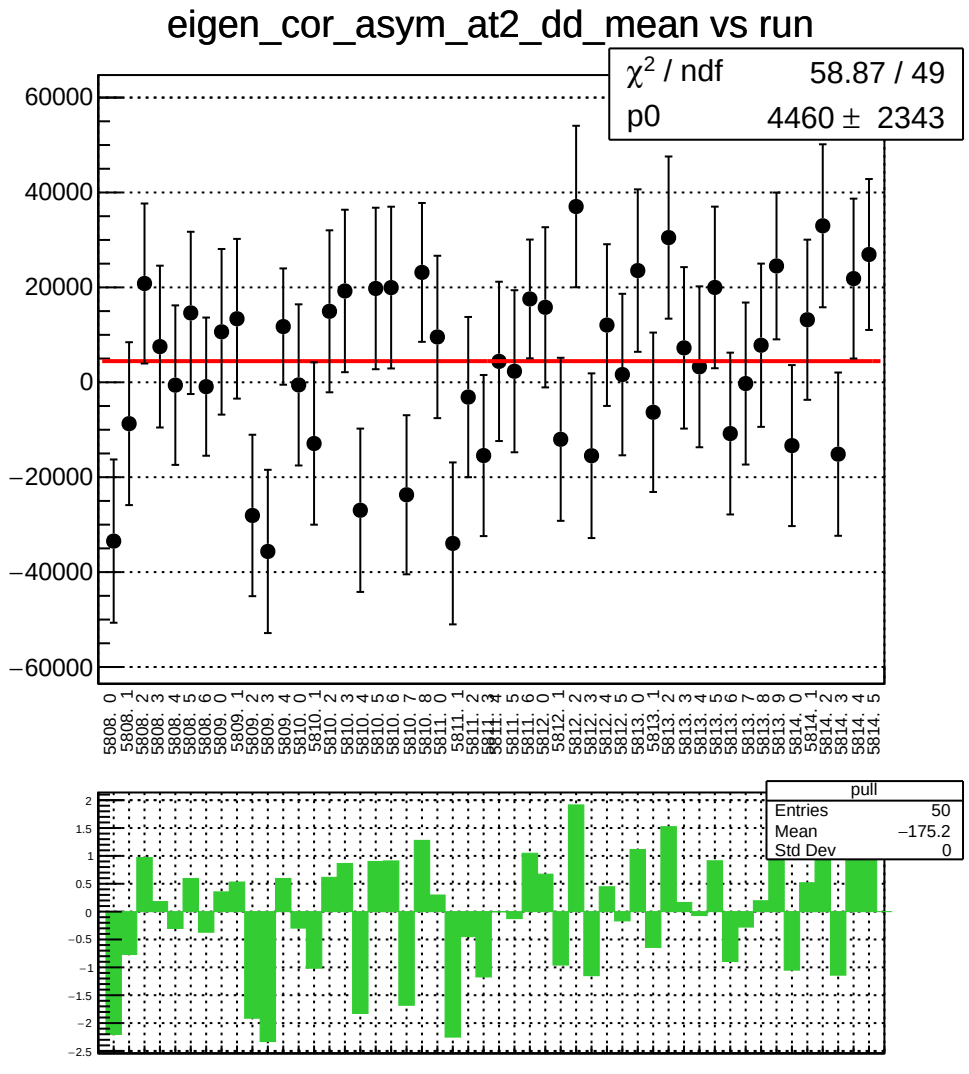
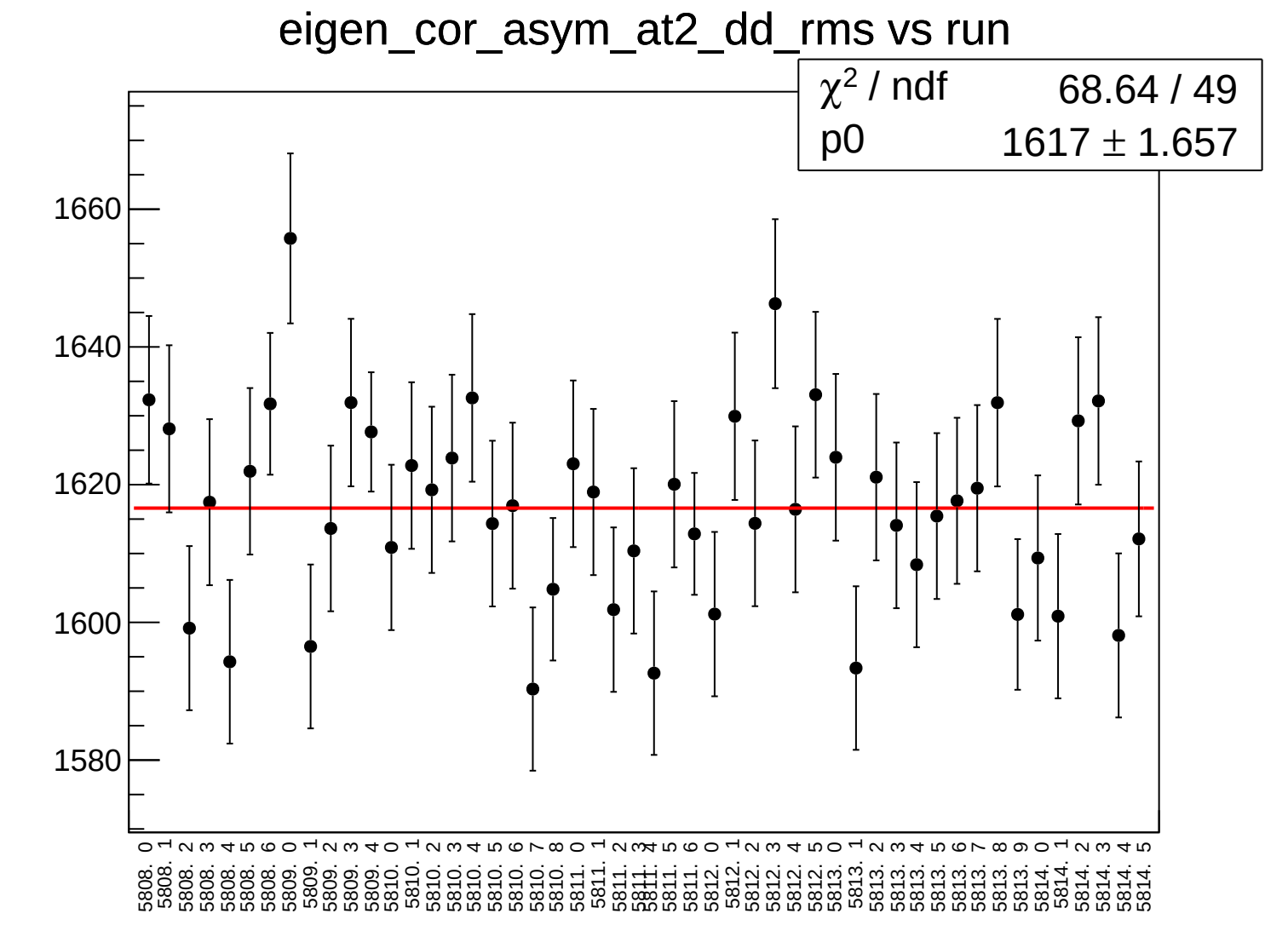
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −236.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01333
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_cor_correction_rms vs run
χ² / ndf 3774 / 49
p0 1894 ± 1.945
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 58.87 / 49
p0 4460 ± 2343
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −175.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.02101
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 68.64 / 49
p0 1617 ± 1.657
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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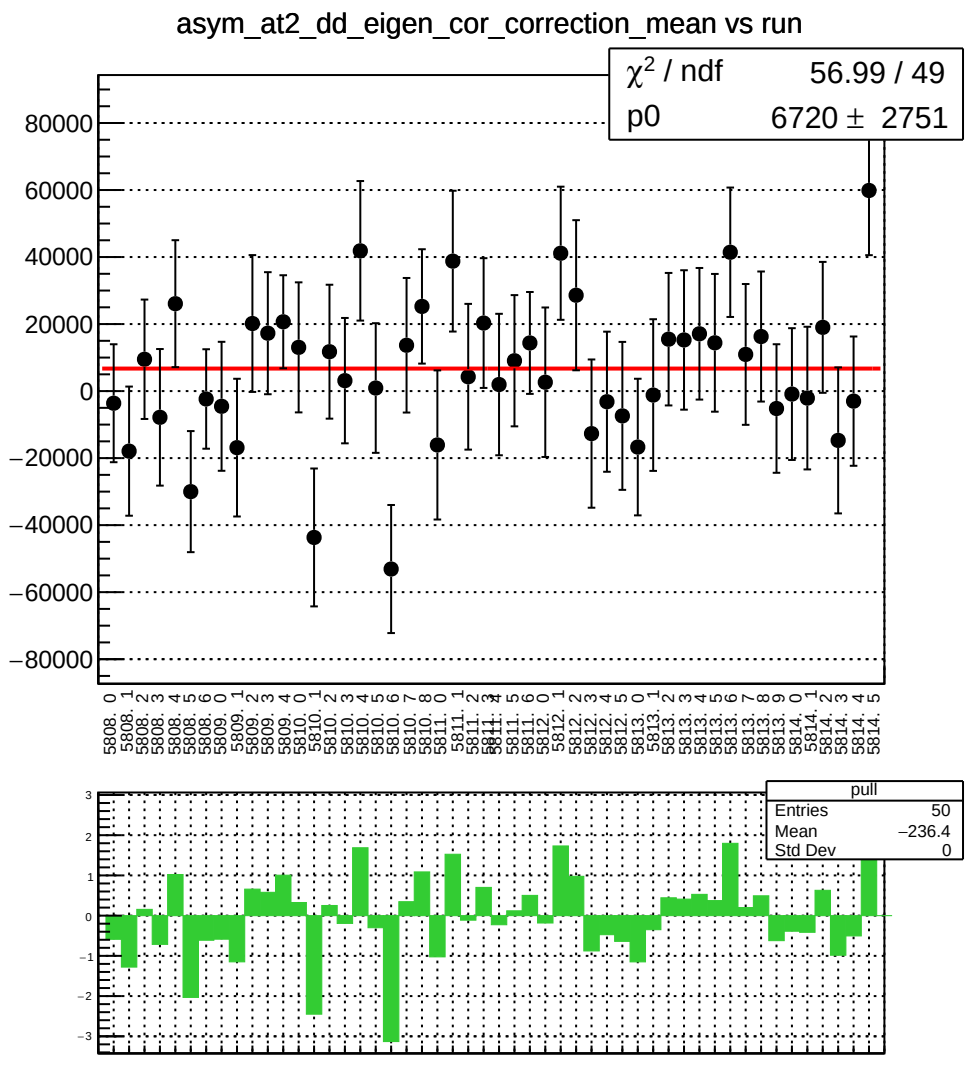
5814. 4
5814. 5


asym_at2_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.99 / 49
p0 6720 ± 2751
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
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5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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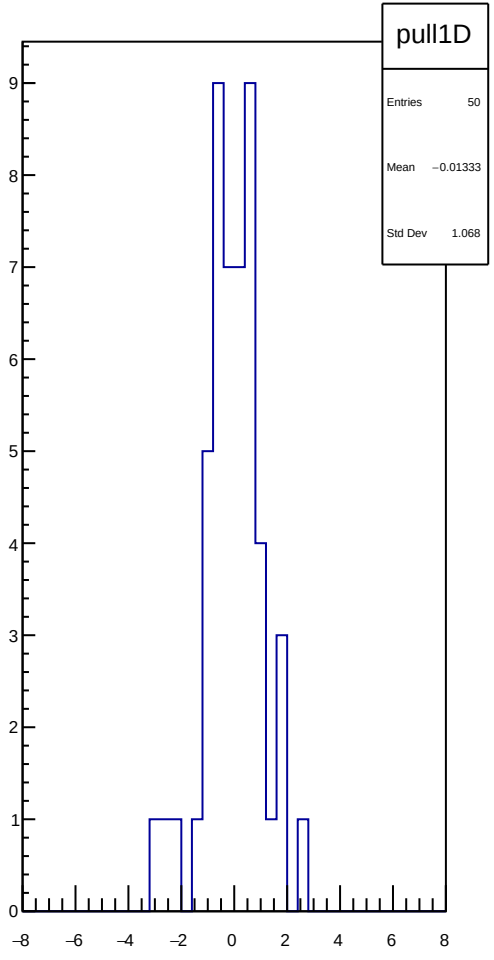
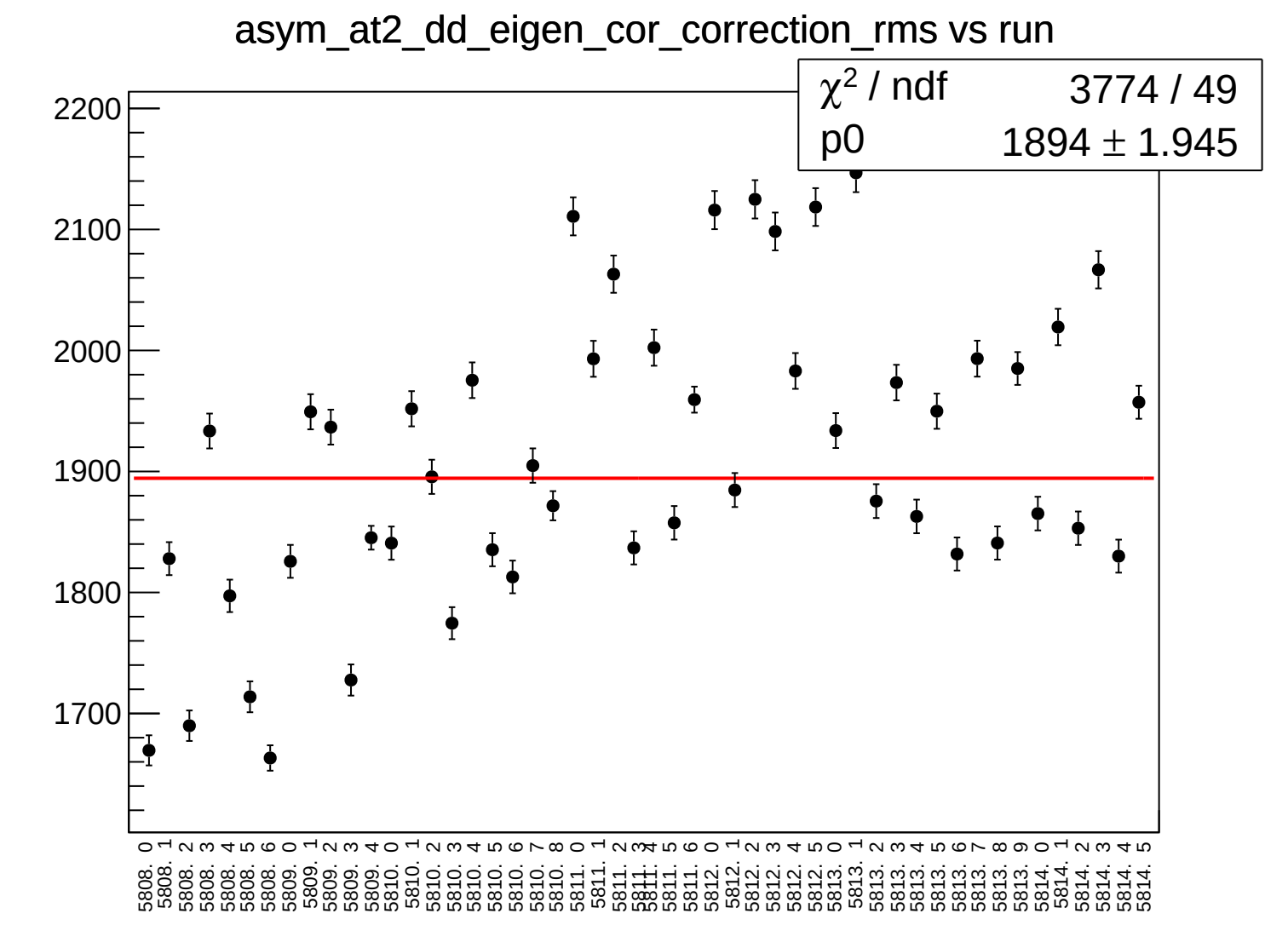
5814. 4
5814. 5
pull
Entries 50
Mean −236.4
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01333
Std Dev 1.068
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 3774 / 49
p0 1894 ± 1.945
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
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5812. 2
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5812. 5
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5813. 9
5814. 0
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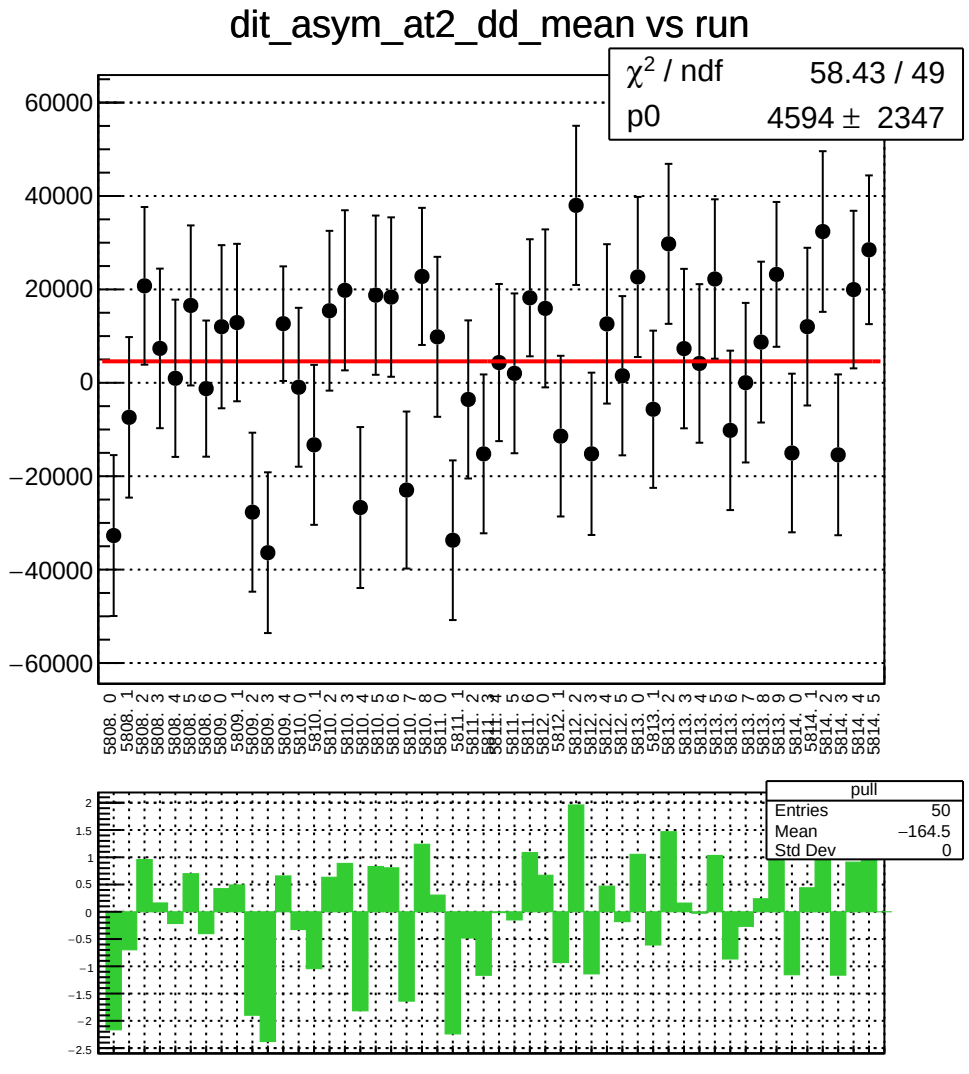
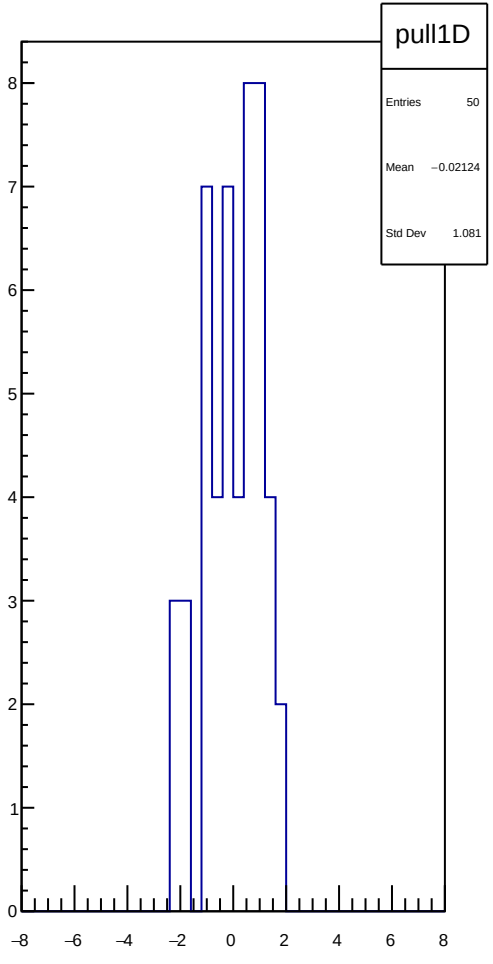
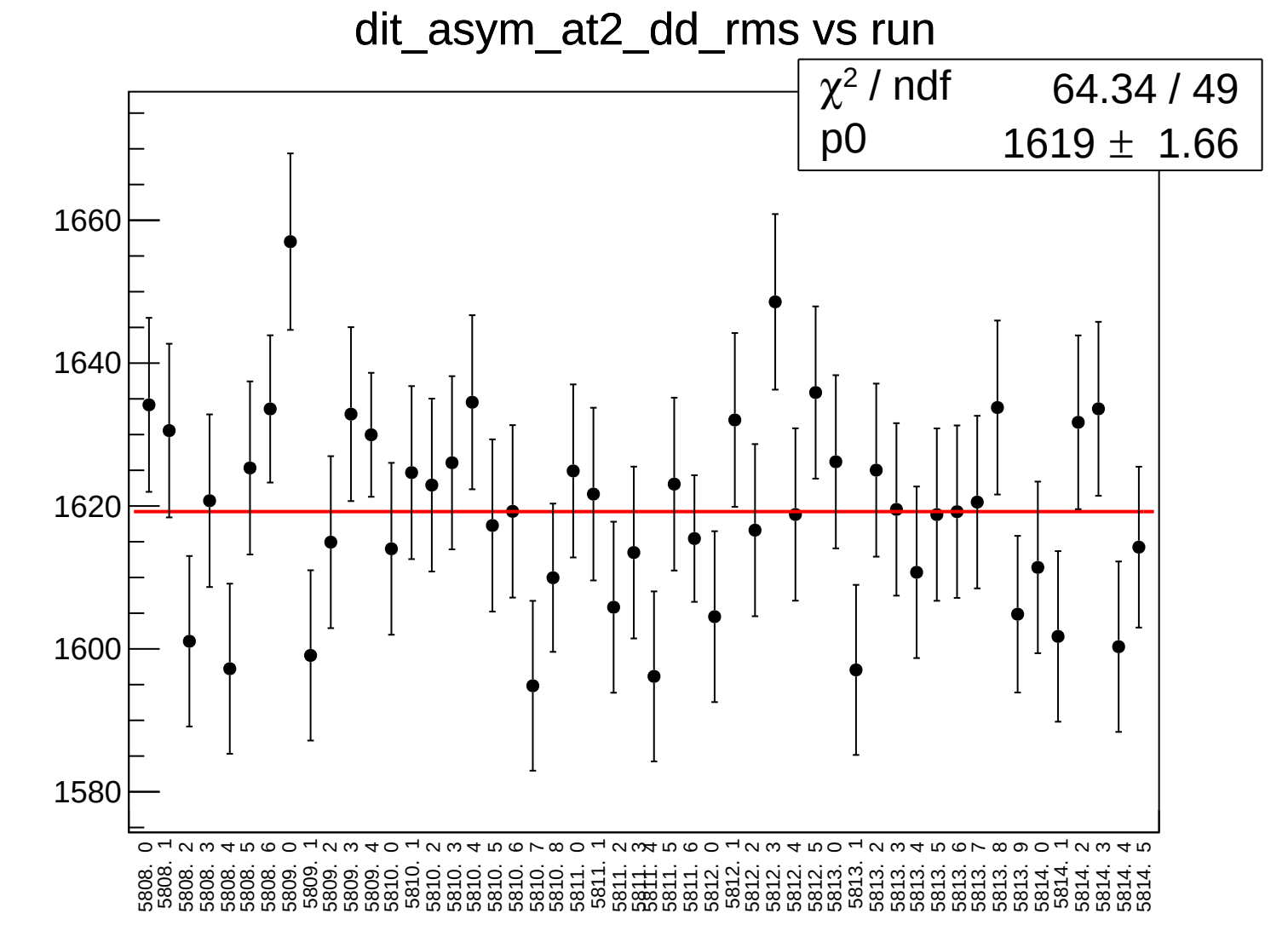
5814. 4
5814. 5


dit_asym_at2_dd_mean vs run
χ² / ndf 58.43 / 49
p0 4594 ± 2347
pull
Entries 50
Mean −164.5
Std Dev 0


pull1D
Entries 50
Mean −0.02124
Std Dev 1.081


dit_asym_at2_dd_rms vs run
χ² / ndf 64.34 / 49
p0 1619 ± 1.66
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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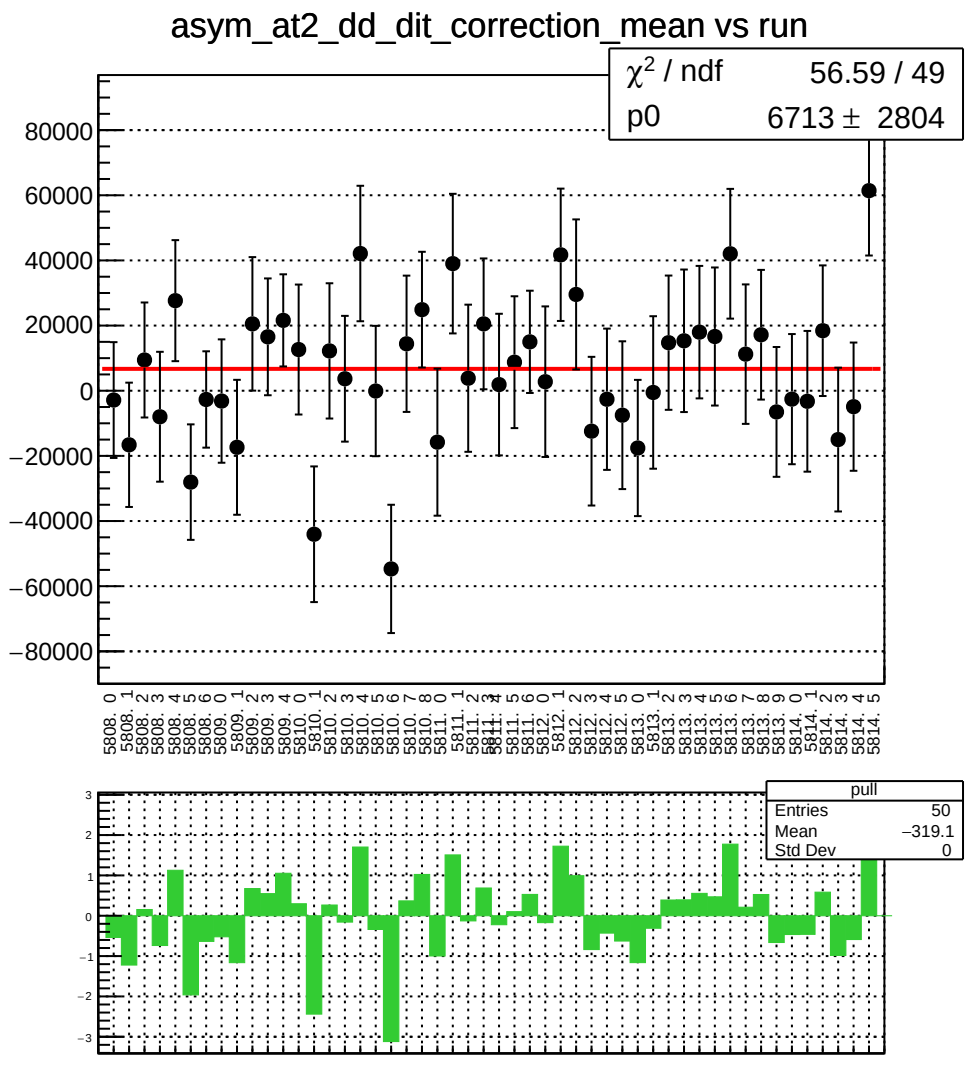
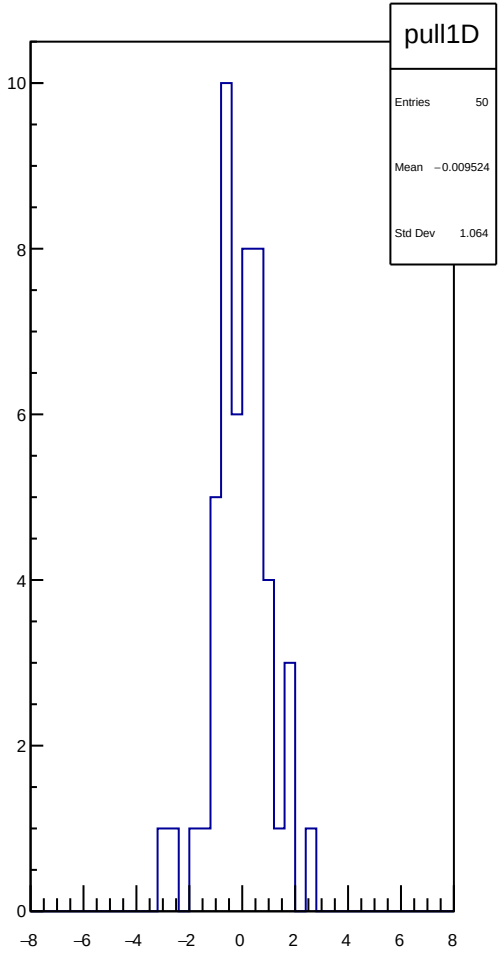
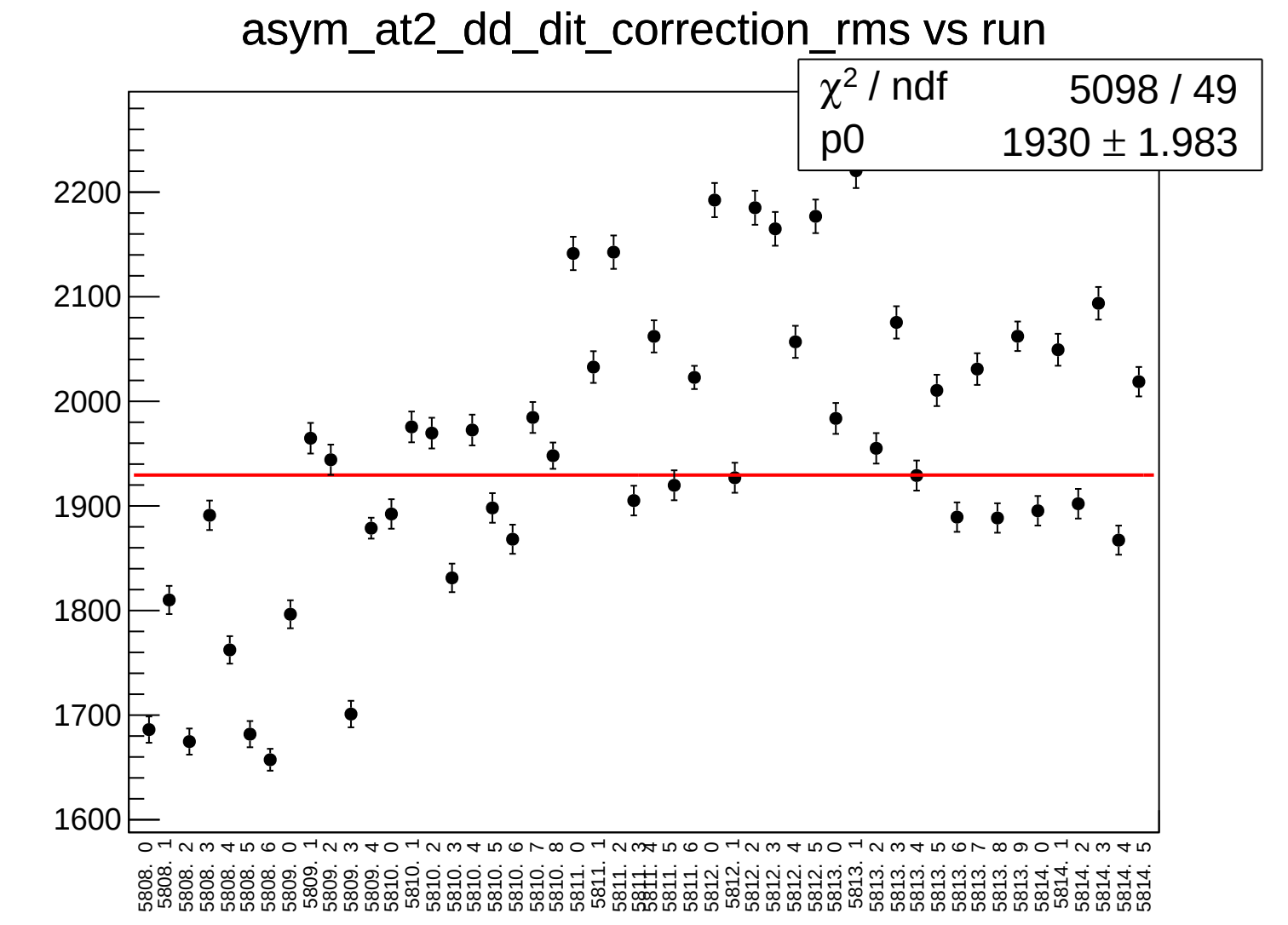
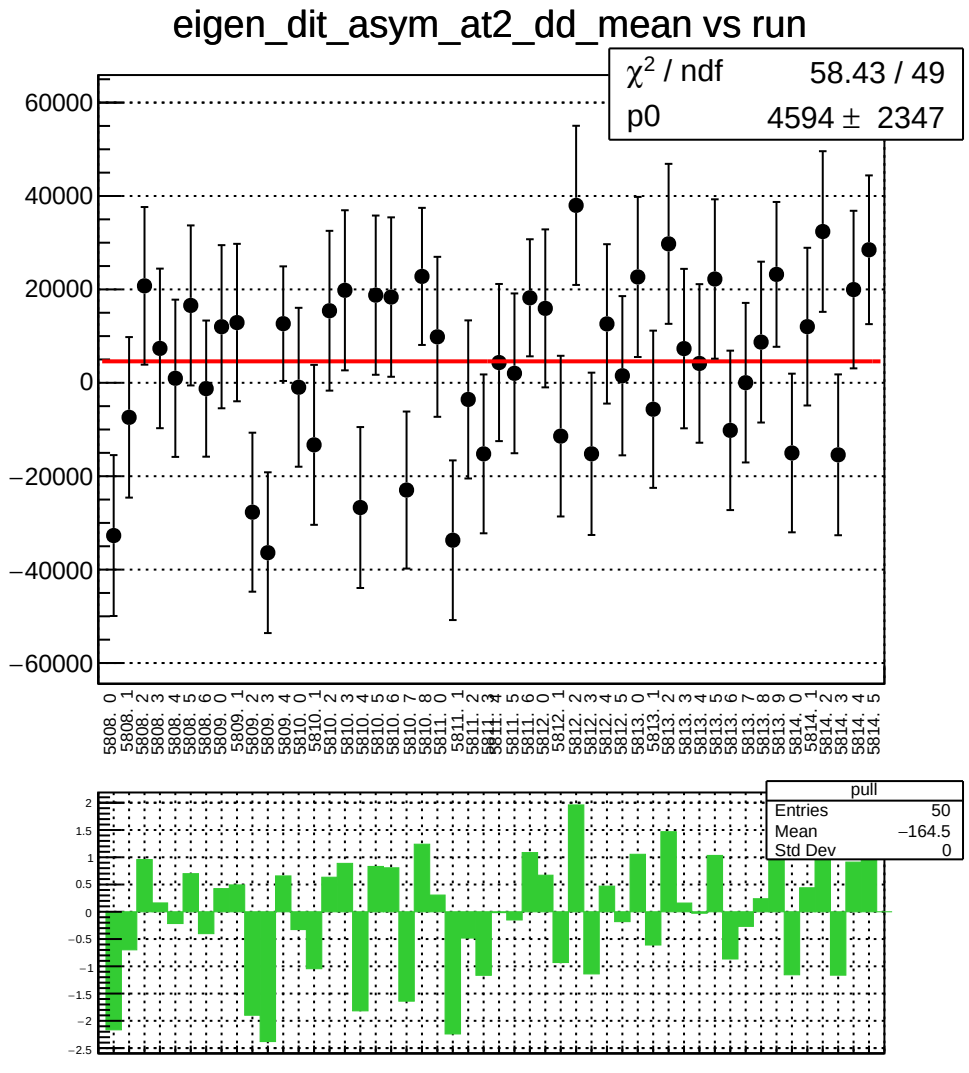
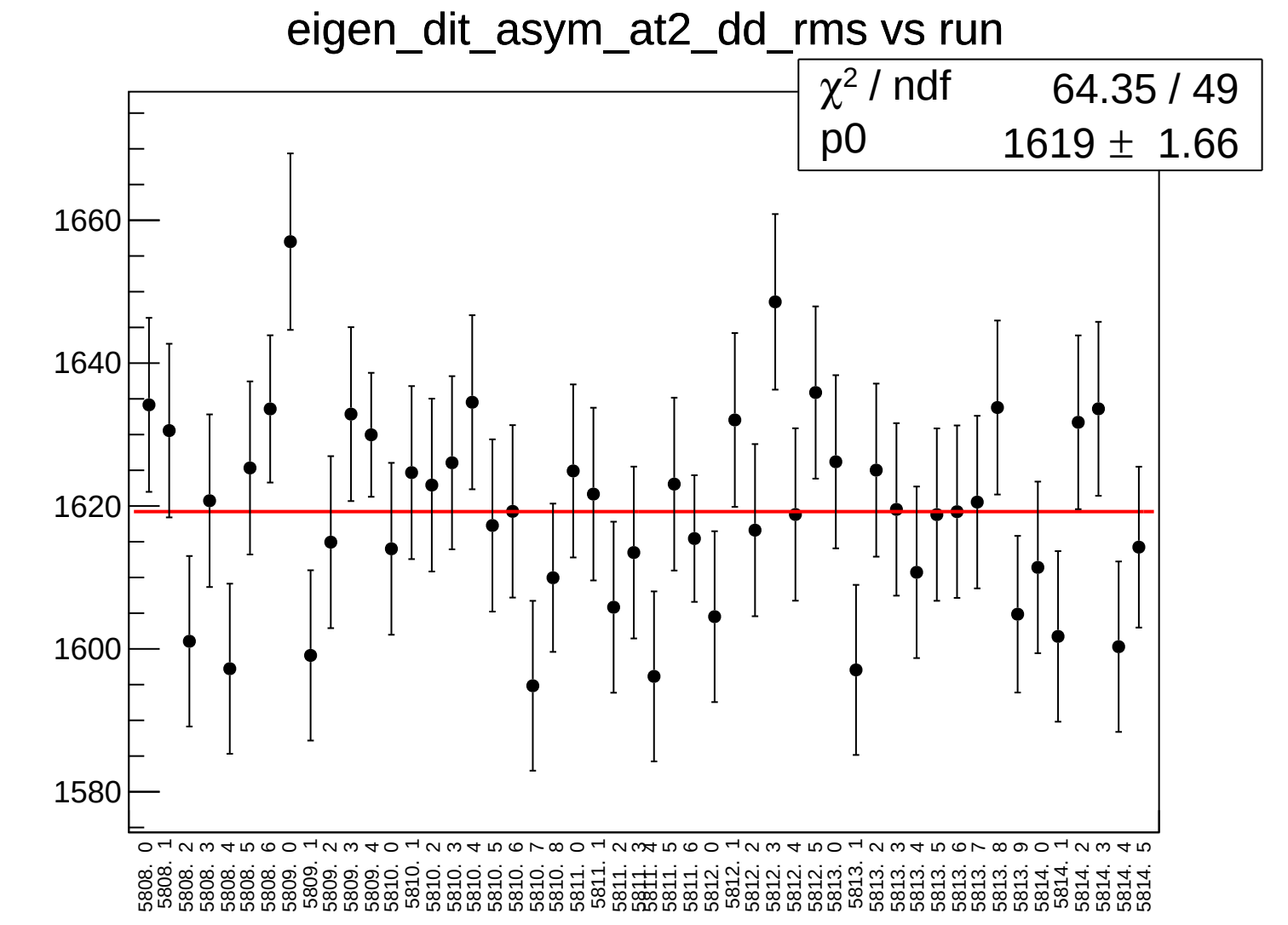
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_dit_correction_mean vs run
χ² / ndf 56.59 / 49
p0 6713 ± 2804
pull
Entries 50
Mean −319.1
Std Dev 0


pull1D
Entries 50
Mean −0.009524
Std Dev 1.064


asym_at2_dd_dit_correction_rms vs run
χ² / ndf 5098 / 49
p0 1930 ± 1.983
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 58.43 / 49
p0 4594 ± 2347
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −164.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.02124
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 64.35 / 49
p0 1619 ± 1.66
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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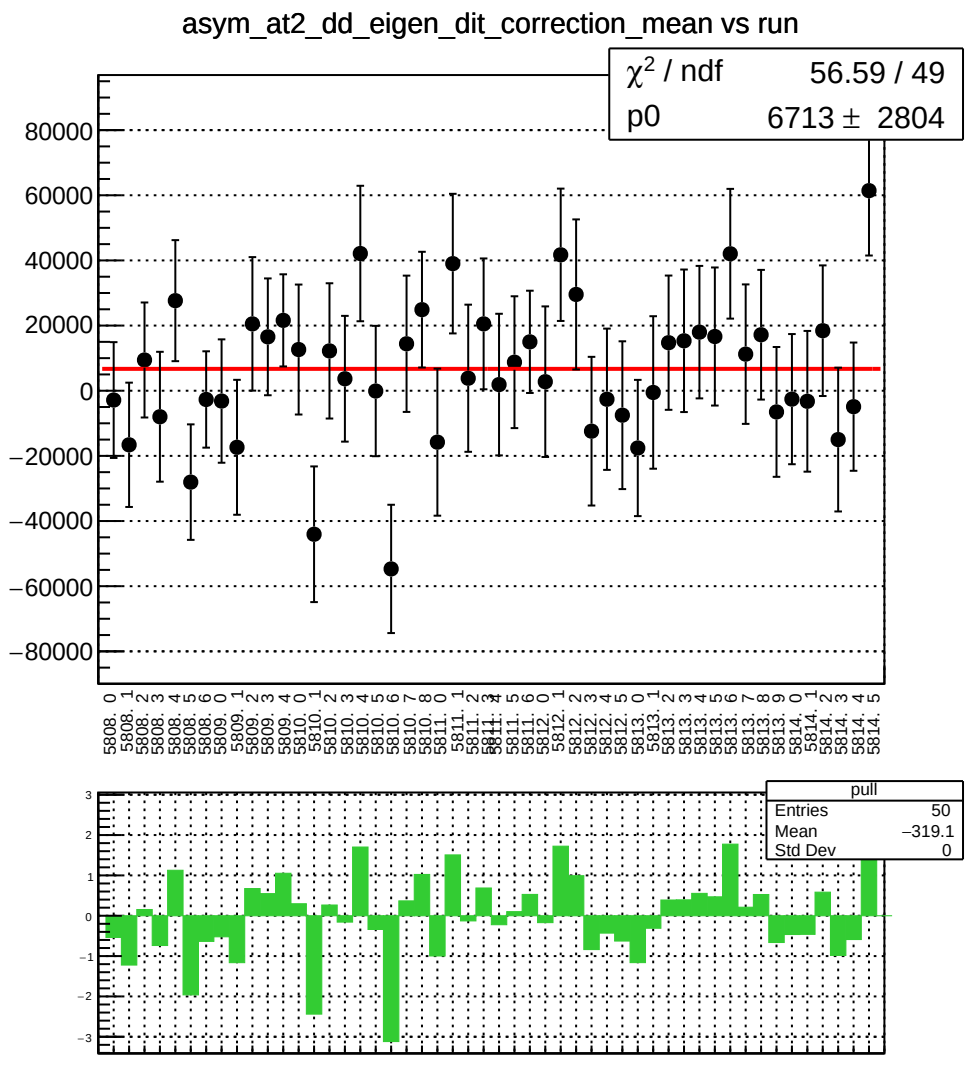
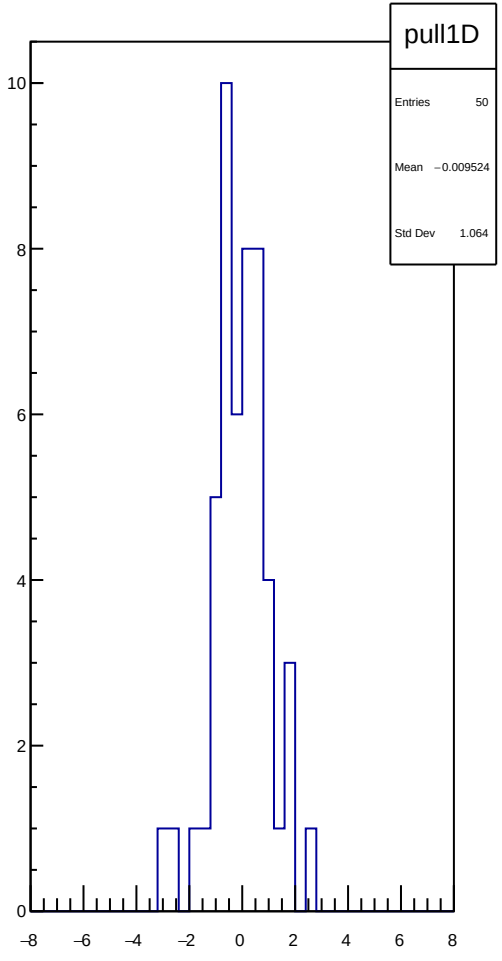
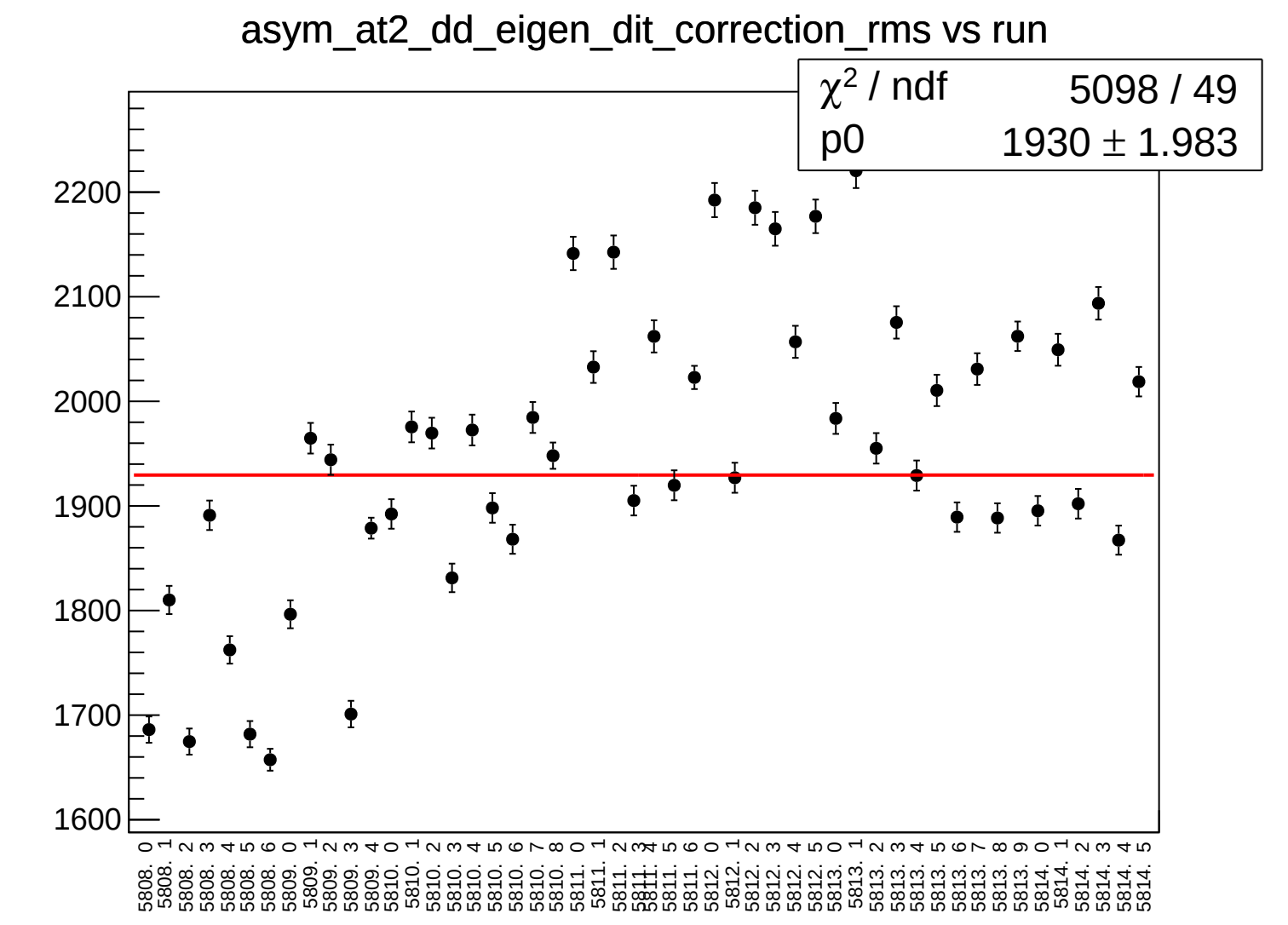
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.59 / 49
p0 6713 ± 2804
pull
Entries 50
Mean −319.1
Std Dev 0


pull1D
Entries 50
Mean −0.009524
Std Dev 1.064


asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 5098 / 49
p0 1930 ± 1.983
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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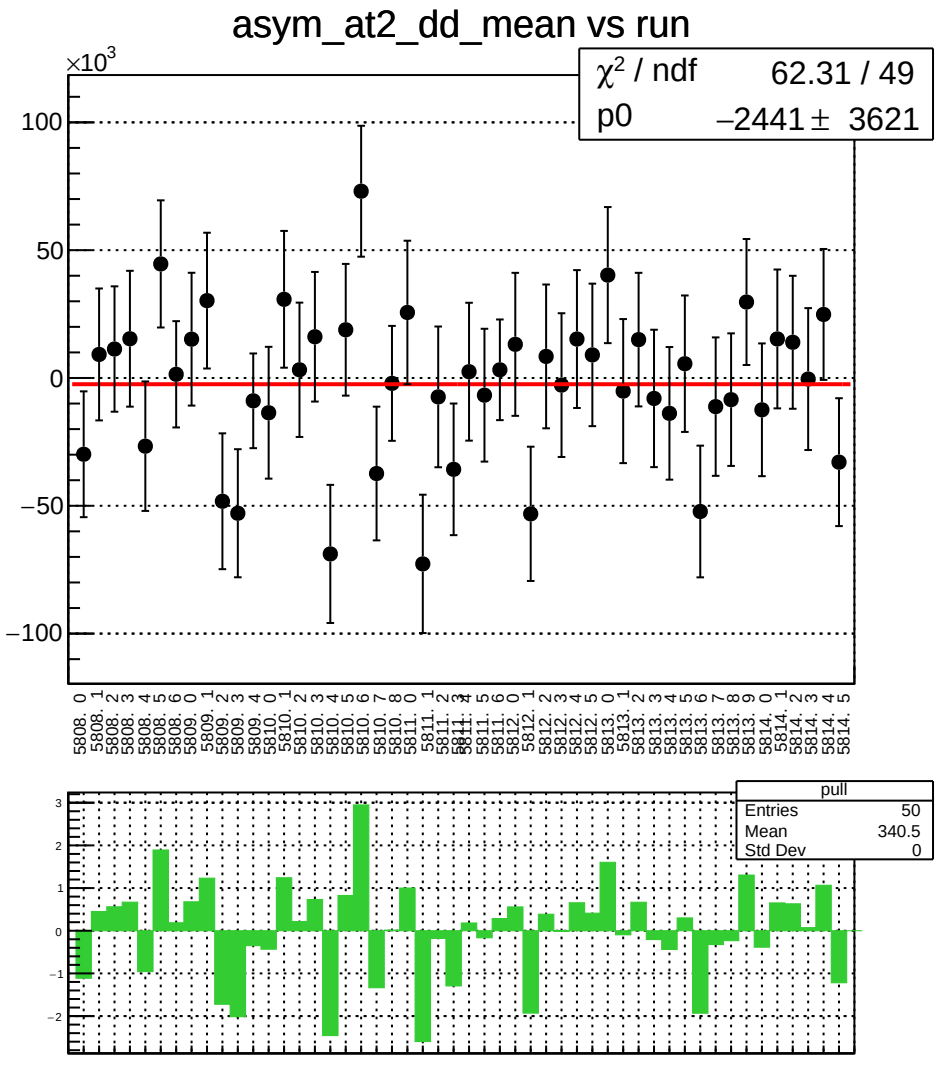
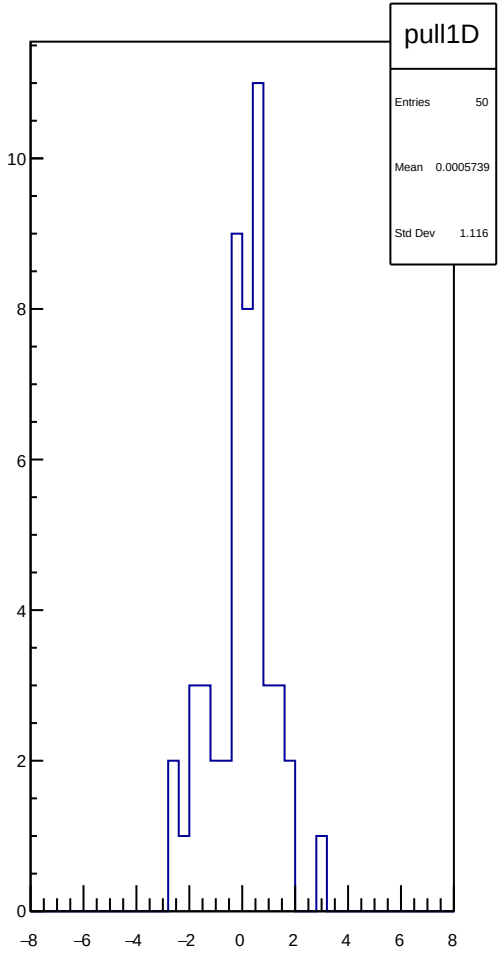
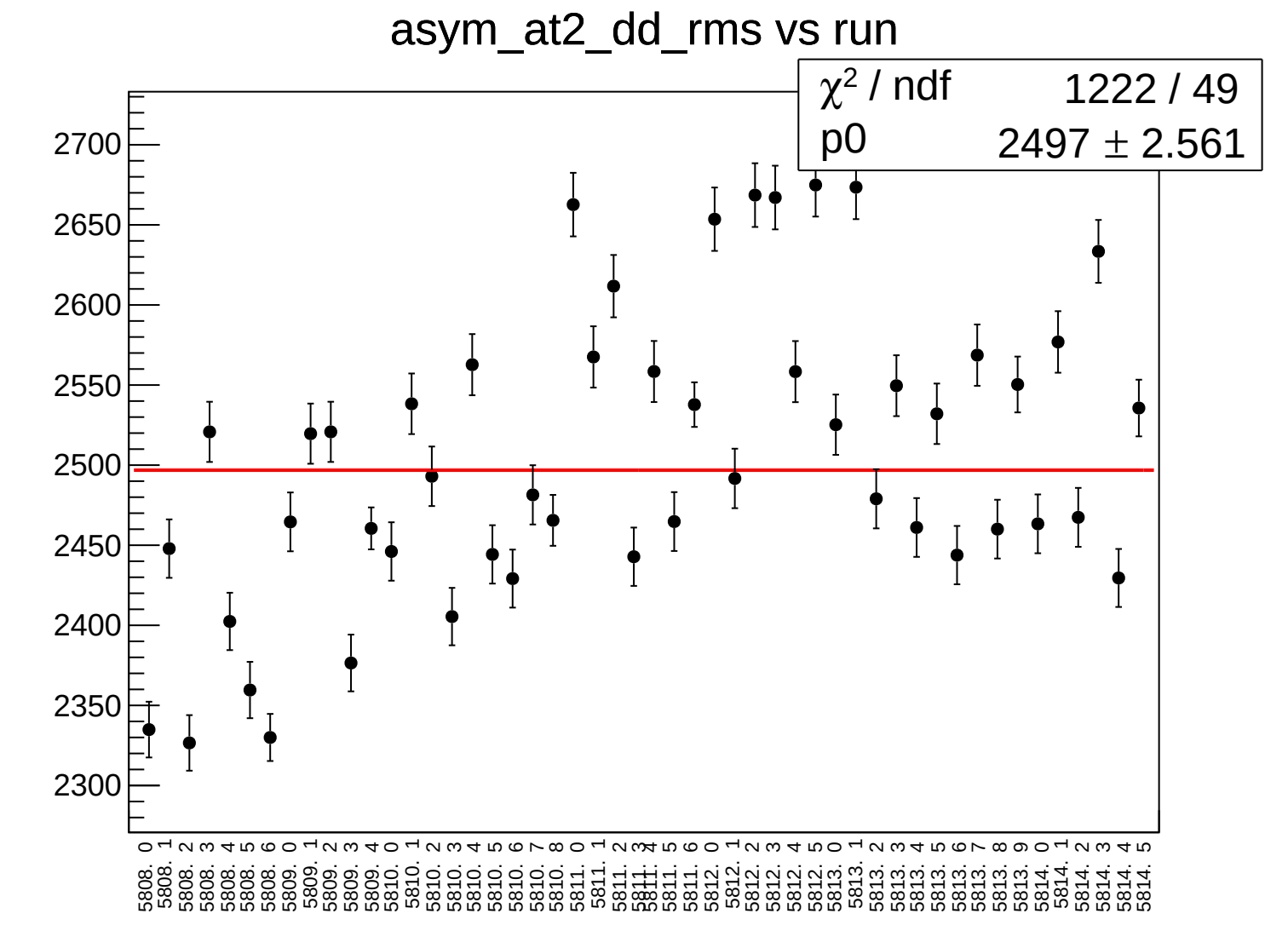
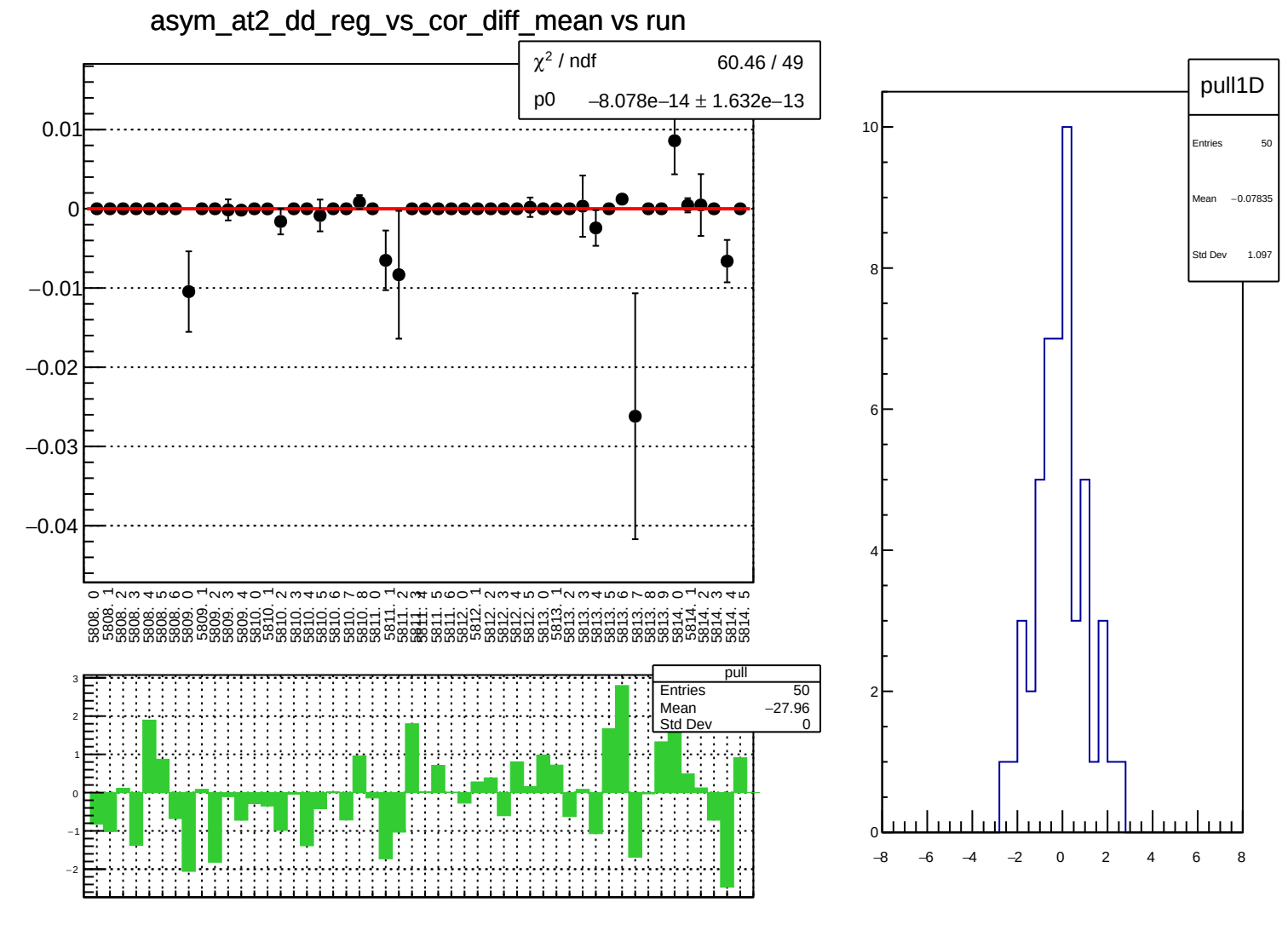
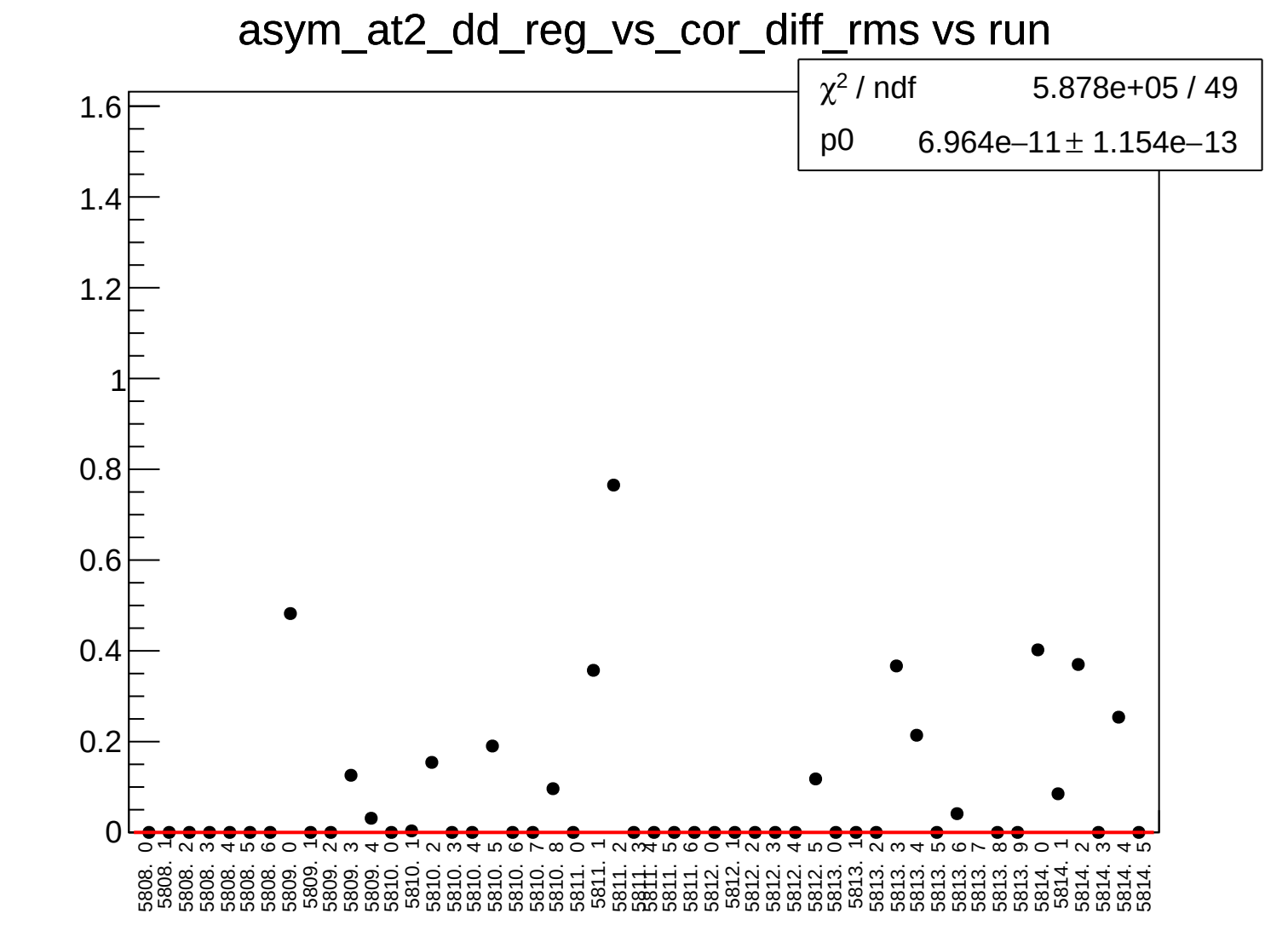
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_mean vs run
×10^3
χ² / ndf 62.31 / 49
p0 −2441 ± 3621
100
50
0
−50
−100
pull
Entries 50
Mean 340.5
Std Dev 0


pull1D
Entries 50
Mean 0.0005739
Std Dev 1.116


asym_at2_dd_rms vs run
χ² / ndf 1222 / 49
p0 2497 ± 2.561
2700
2650
2600
2550
2500
2450
2400
2350
2300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.46 / 49
p0 −8.078e−14 ± 1.632e−13
pull
Entries 50
Mean −27.96
Std Dev 0
pull1D
Entries 50
Mean −0.07835
Std Dev 1.097


asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.878e+05 / 49
p0 6.964e−11 ± 1.154e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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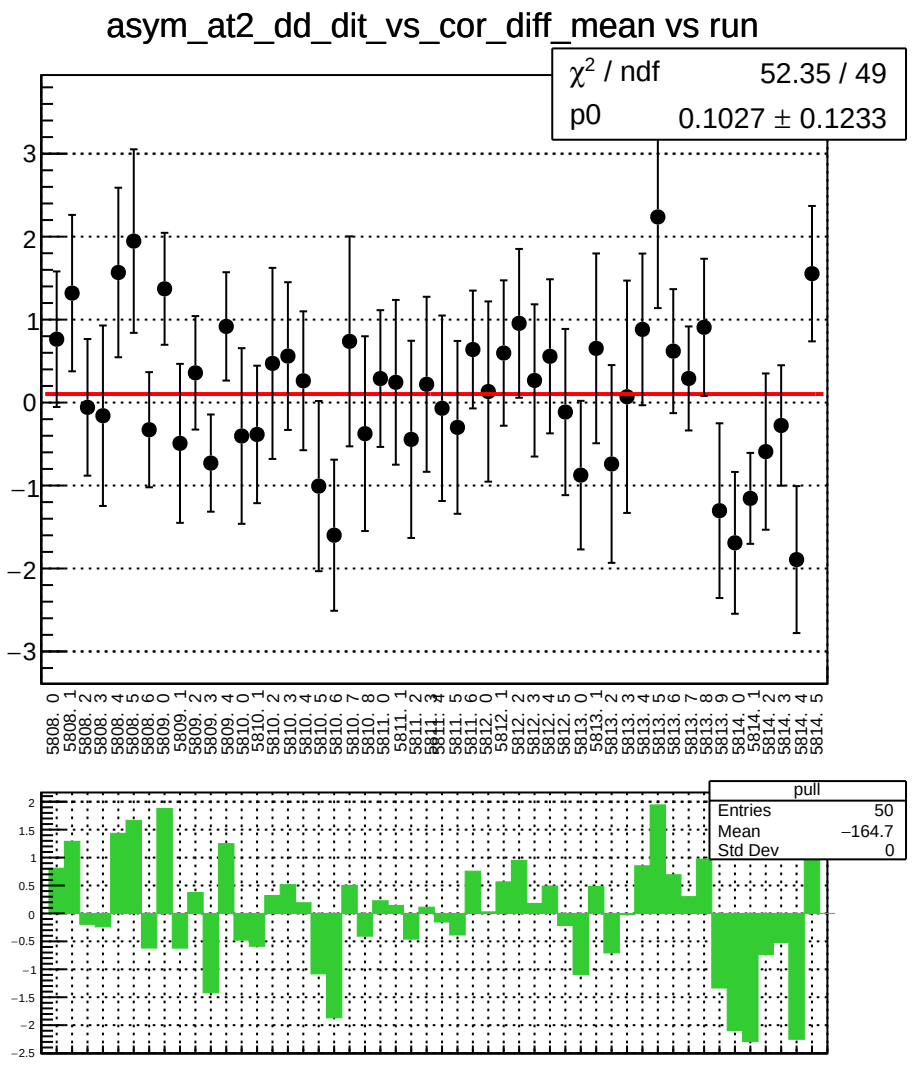
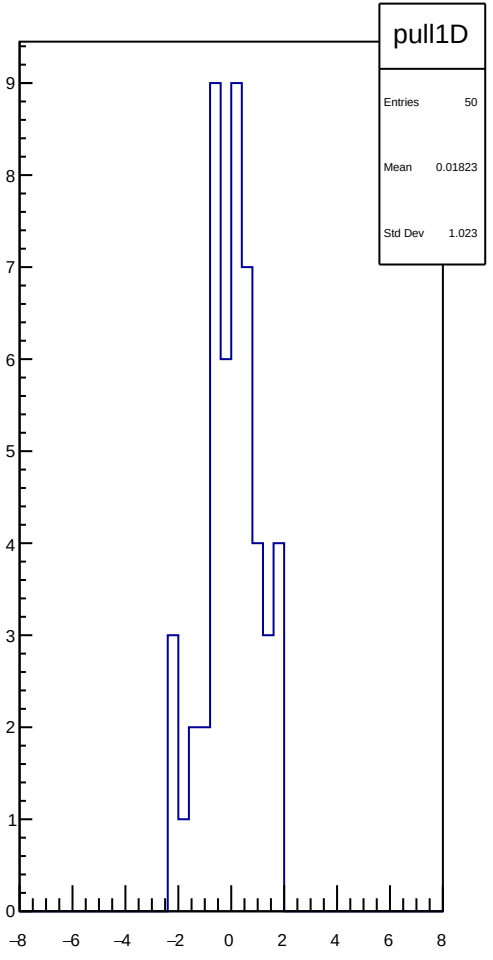
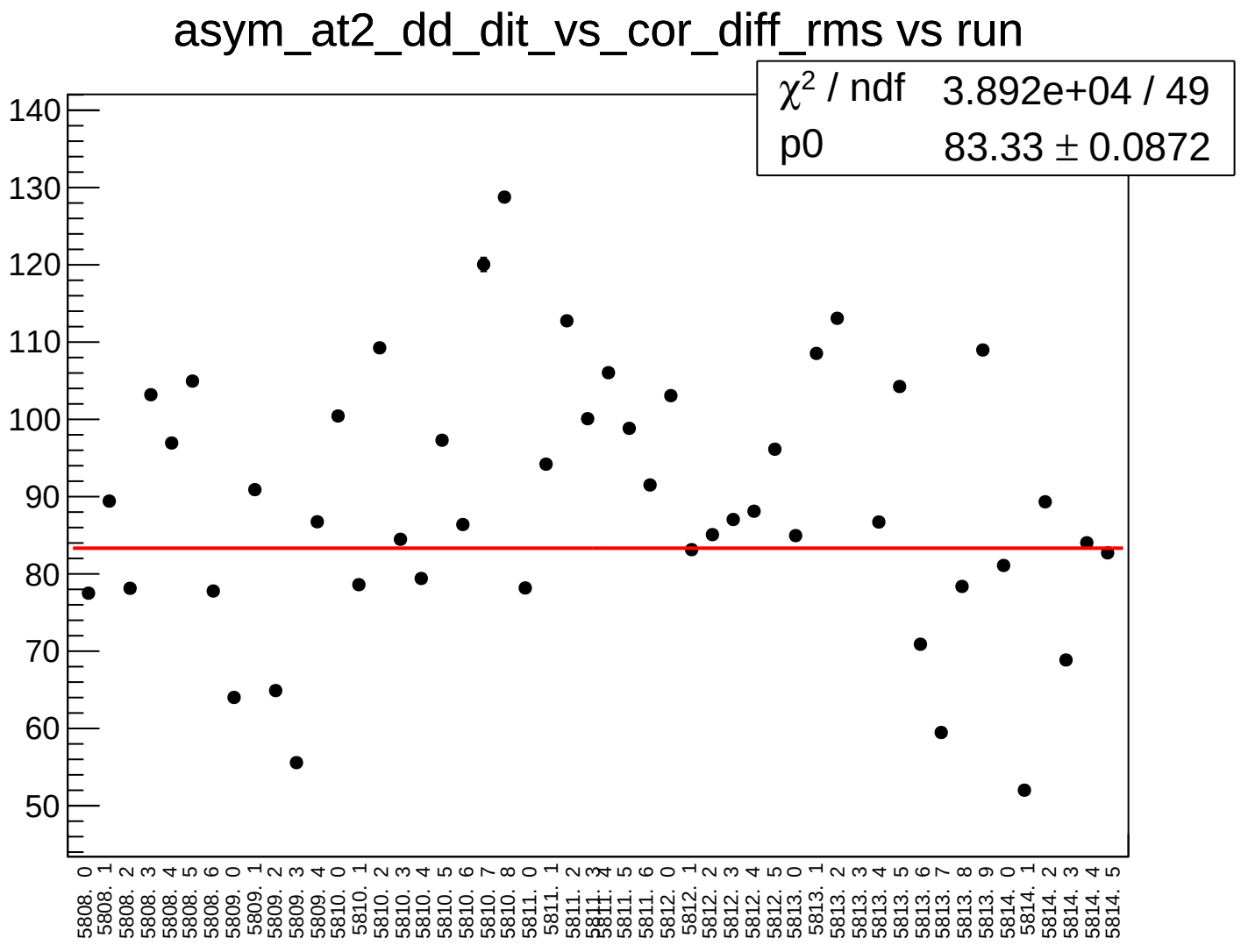
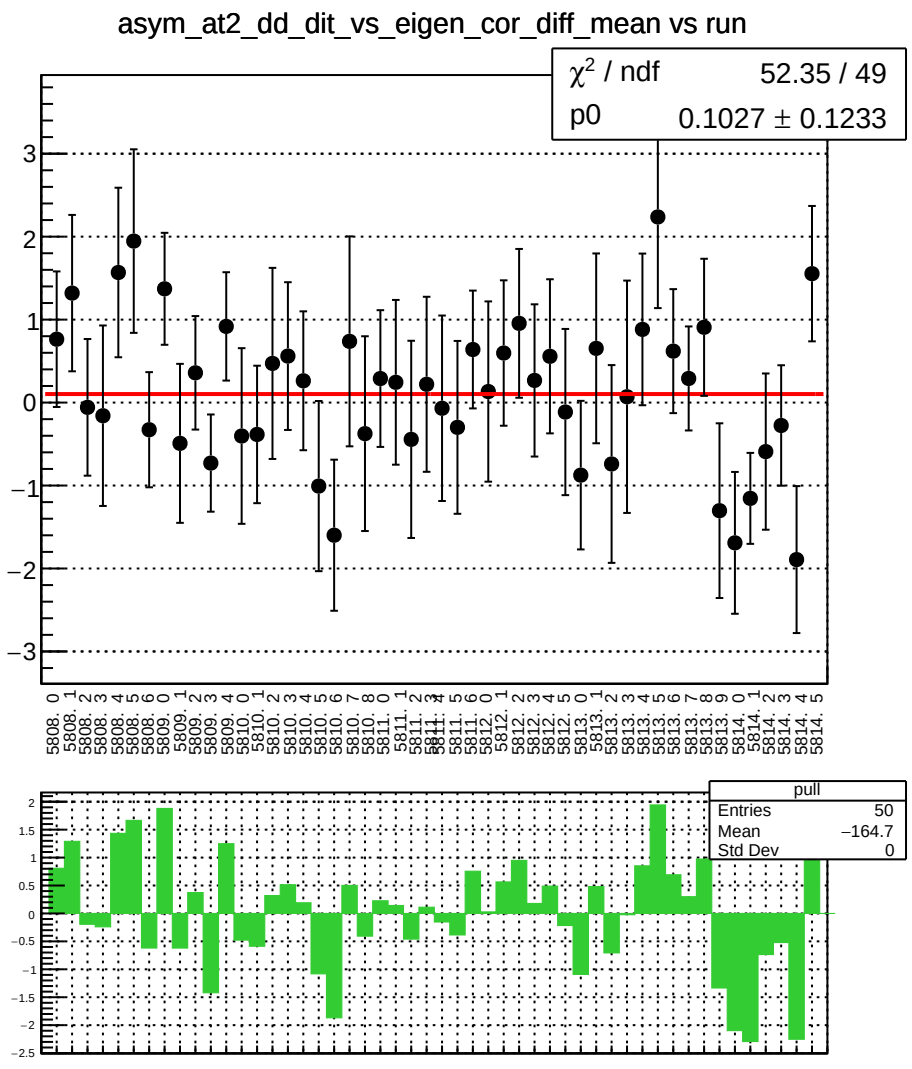
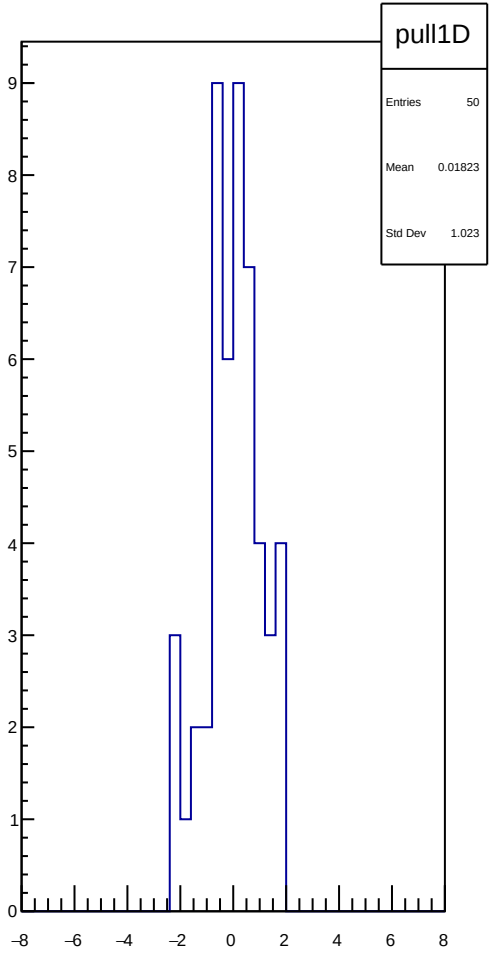
5814. 4
5814. 5

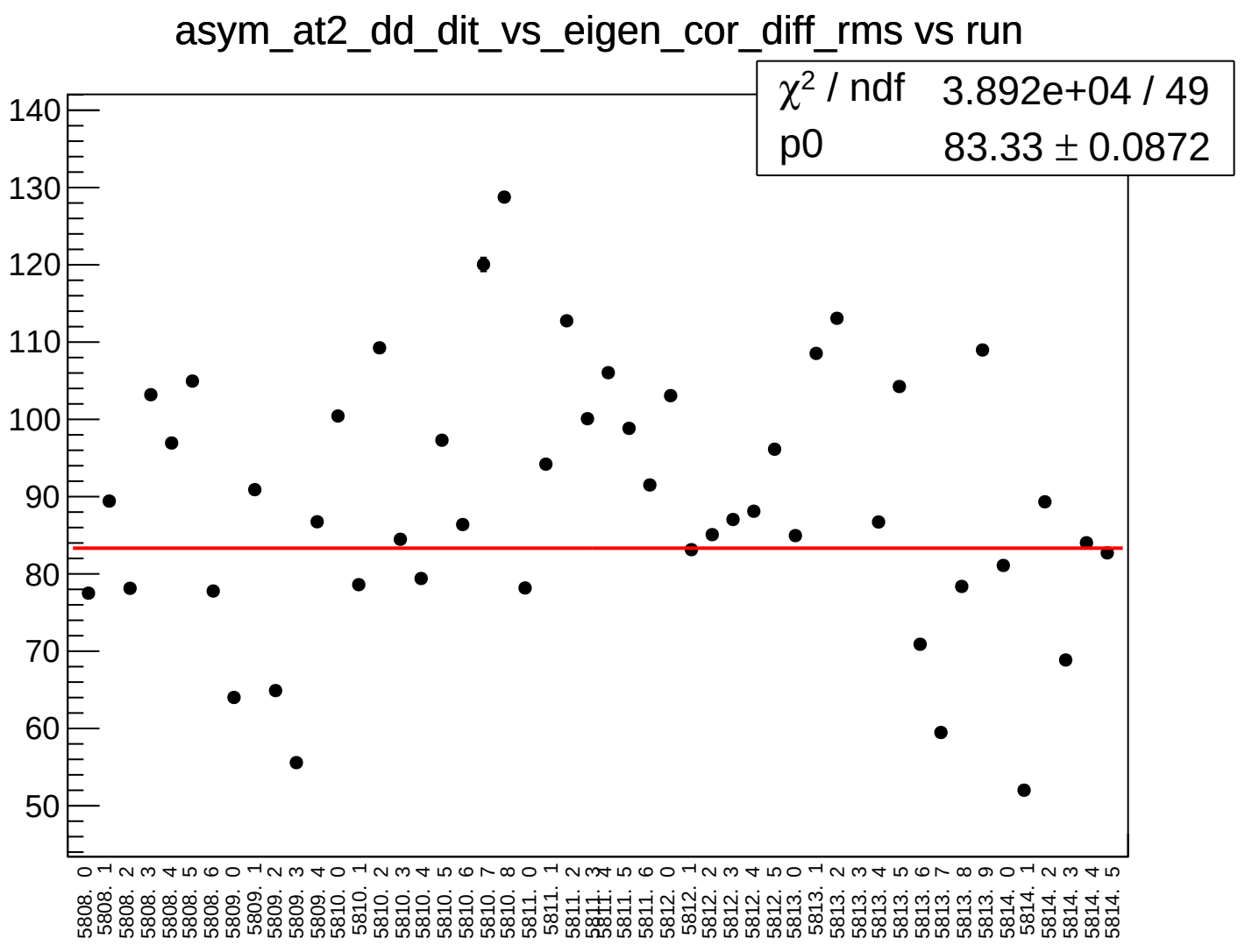

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.35 / 49
p0 0.1027 ± 0.1233
pull
Entries 50
Mean −164.7
Std Dev 0


pull1D
Entries 50
Mean 0.01823
Std Dev 1.023


asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.892e+04 / 49
p0 83.33 ± 0.0872
140
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.35 / 49
p0 0.1027 ± 0.1233
pull
Entries 50
Mean −164.7
Std Dev 0


pull1D
Entries 50
Mean 0.01823
Std Dev 1.023


asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.892e+04 / 49
p0 83.33 ± 0.0872
140
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
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5814. 2
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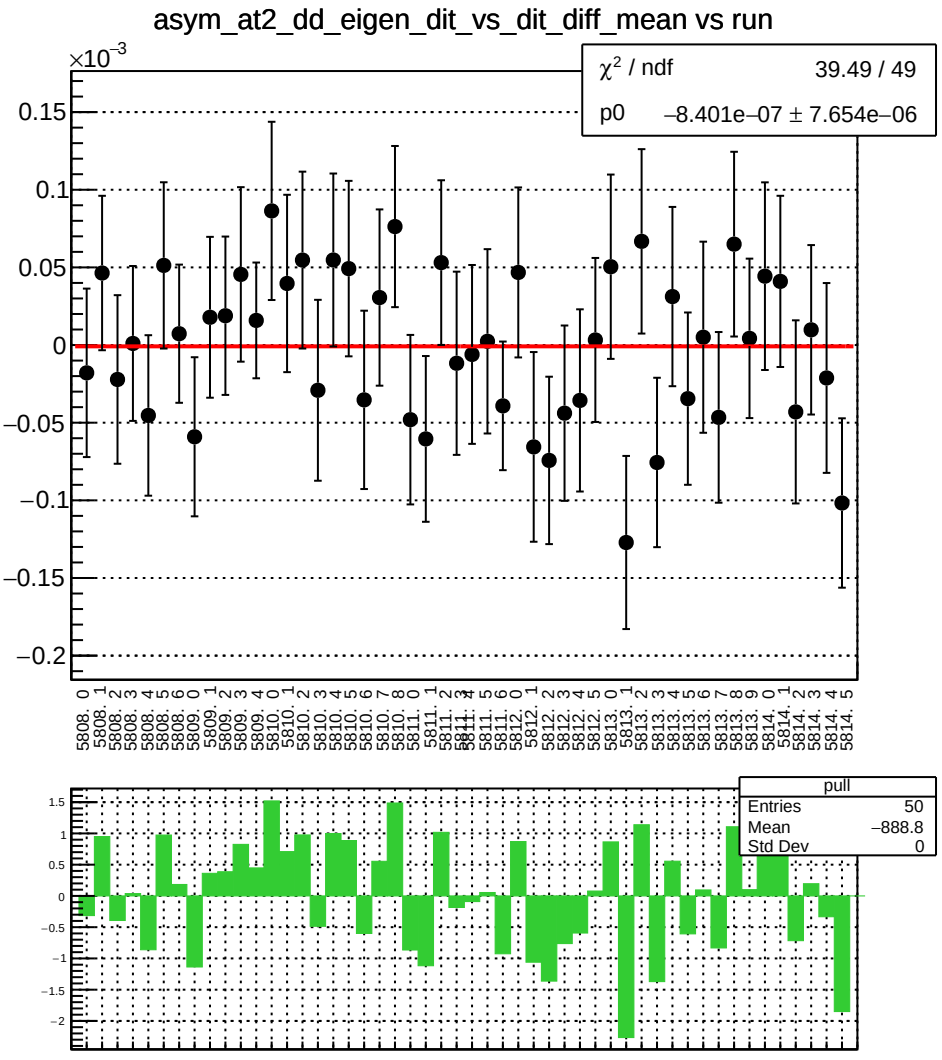
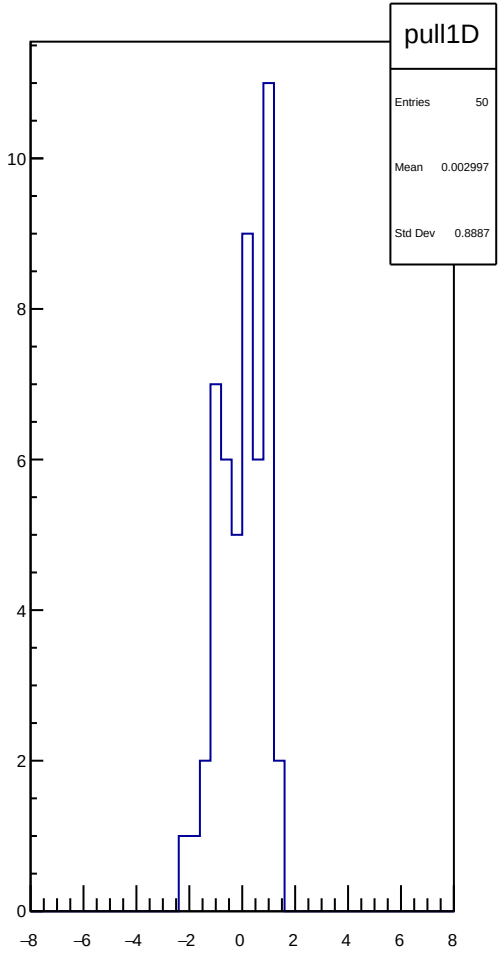
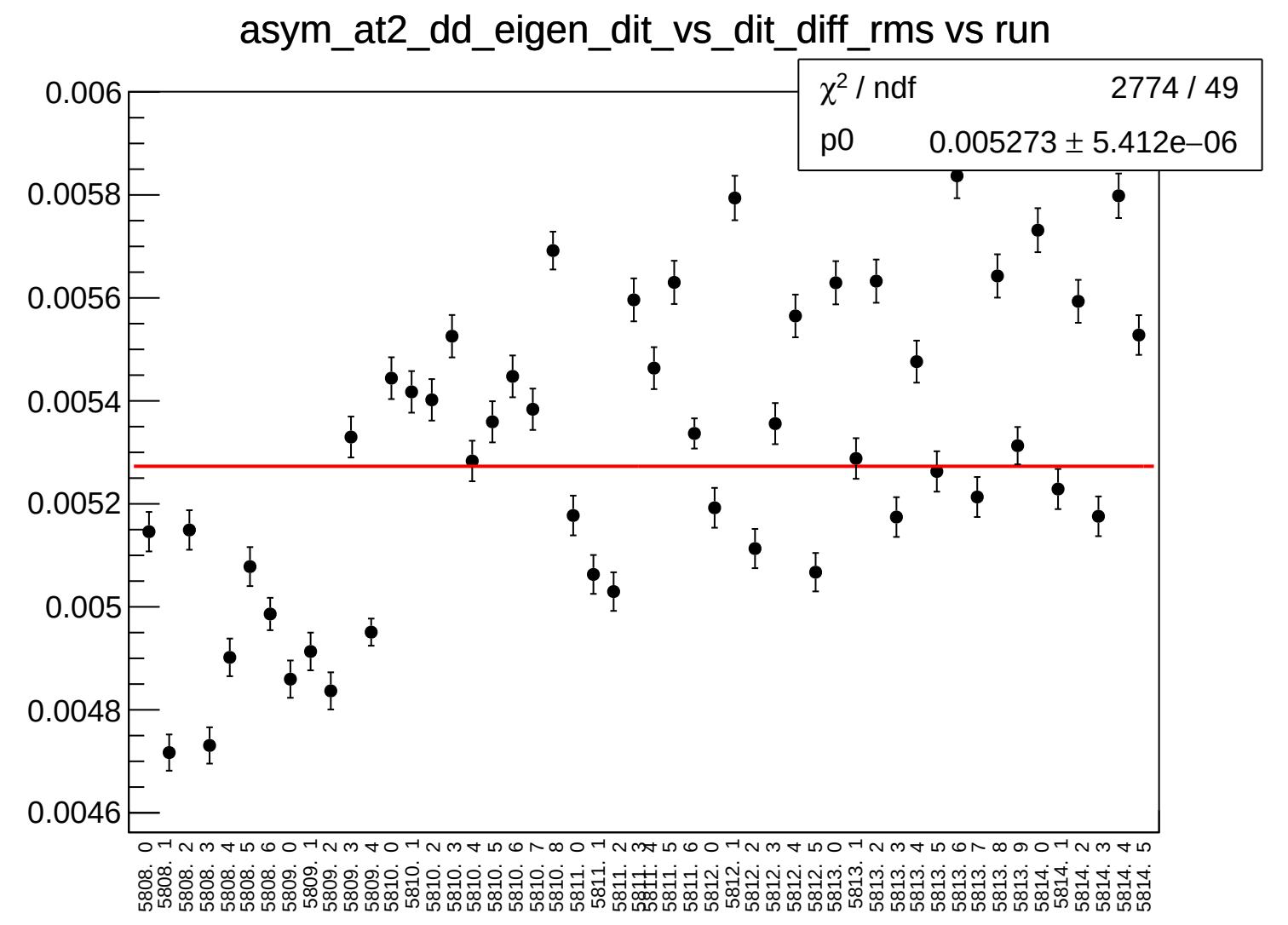
5814. 5


asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.49 / 49
p0 −8.401e−07 ± 7.654e−06
pull
Entries 50
Mean −888.8
Std Dev 0


pull1D
Entries 50
Mean 0.002997
Std Dev 0.8887


asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2774 / 49
p0 0.005273 ± 5.412e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
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5813. 2
5813. 3
5813. 4
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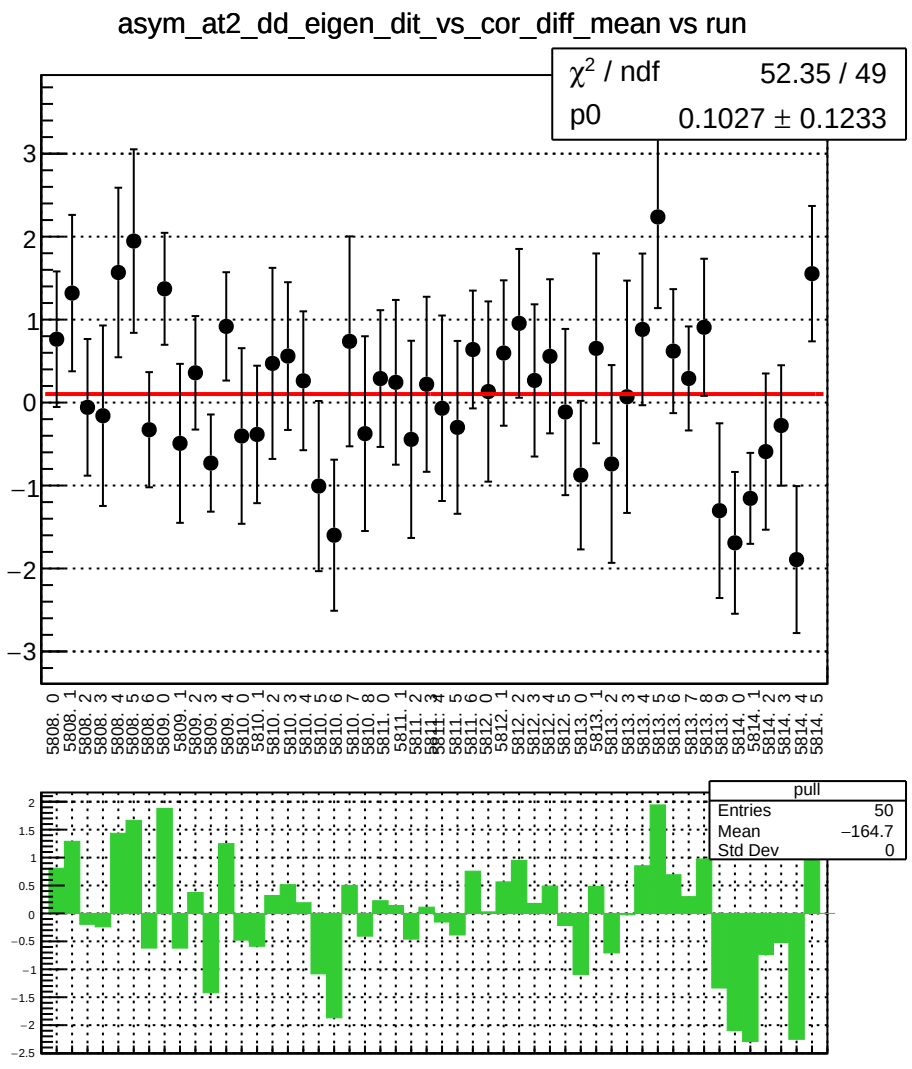
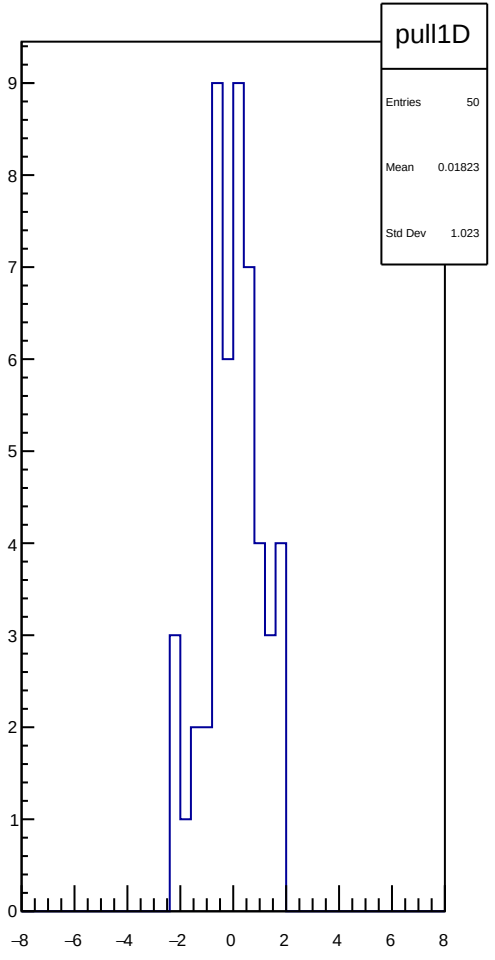
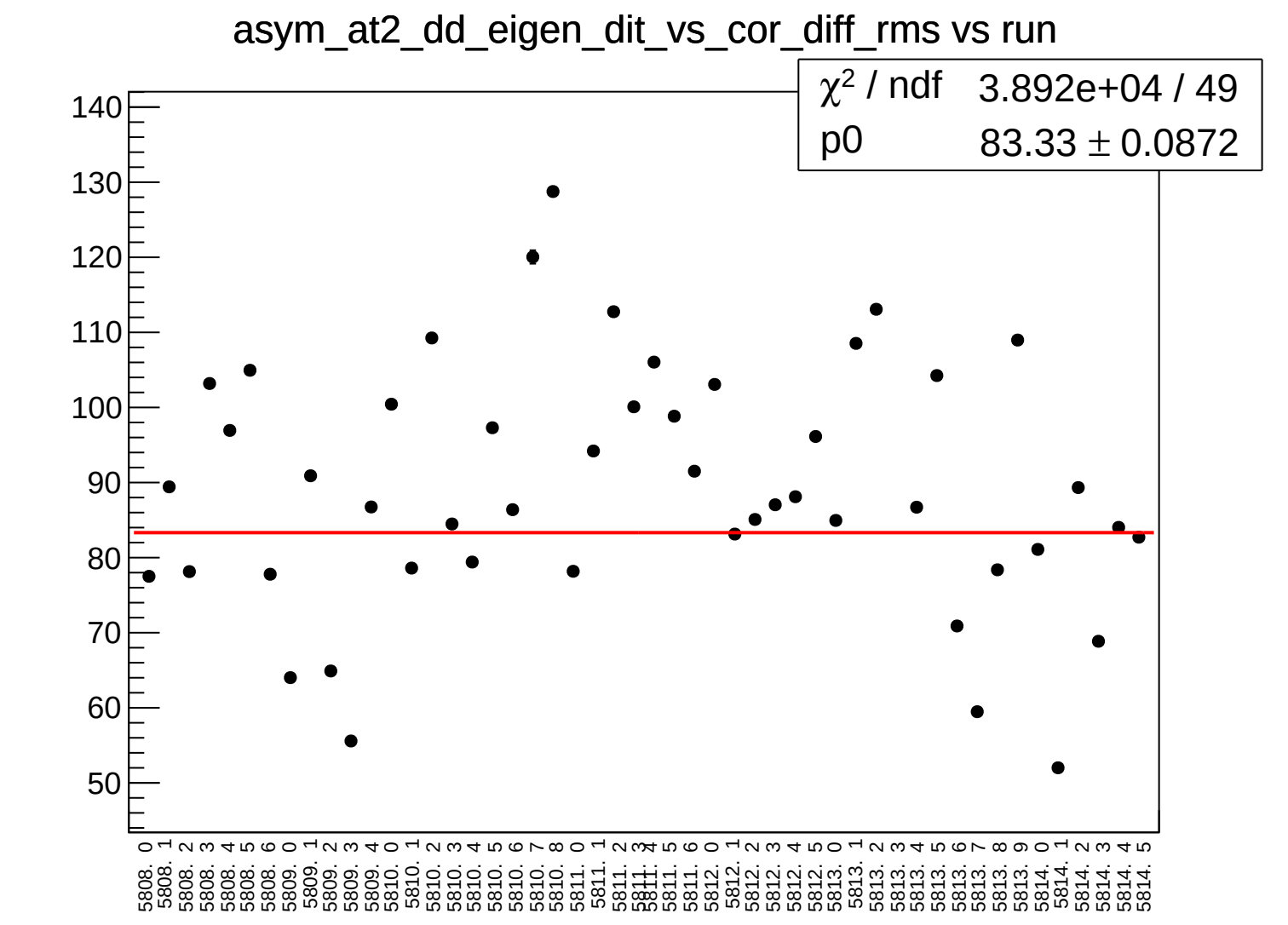
5814. 4
5814. 5


asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.35 / 49
p0 0.1027 ± 0.1233
pull
Entries 50
Mean −164.7
Std Dev 0


pull1D
Entries 50
Mean 0.01823
Std Dev 1.023


asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.892e+04 / 49
p0 83.33 ± 0.0872
140
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
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5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
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5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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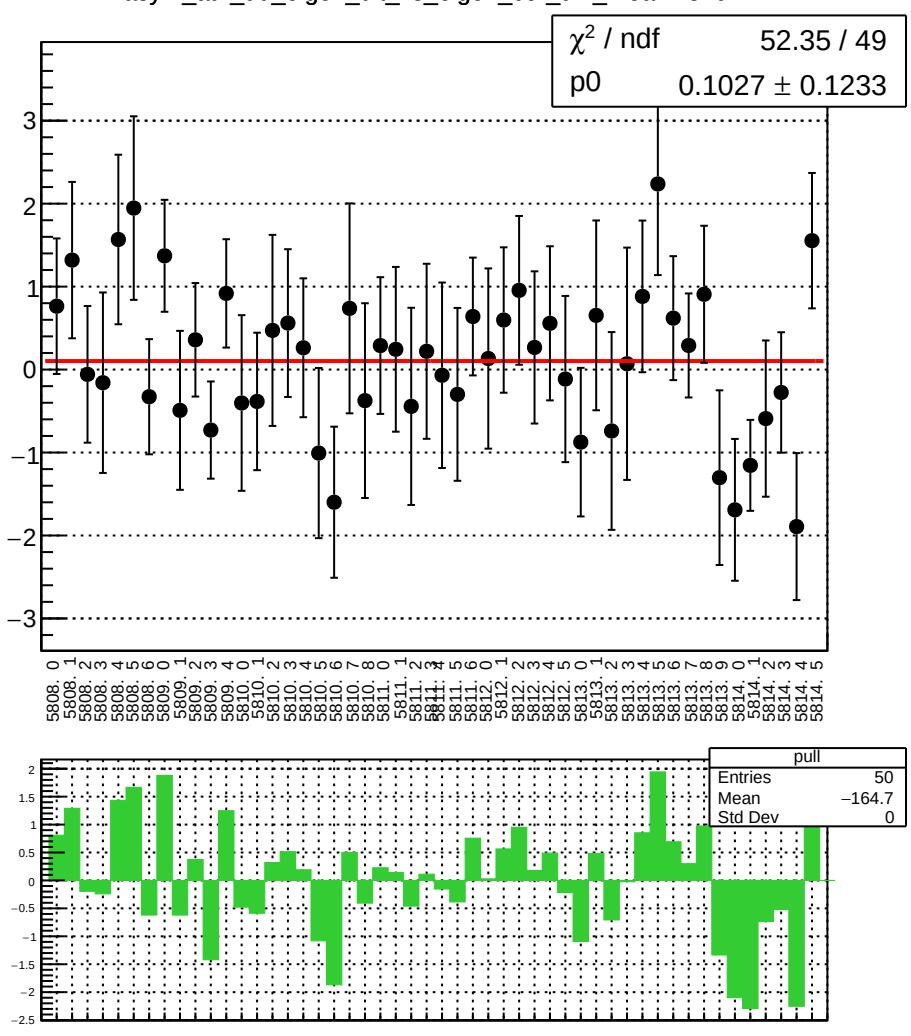
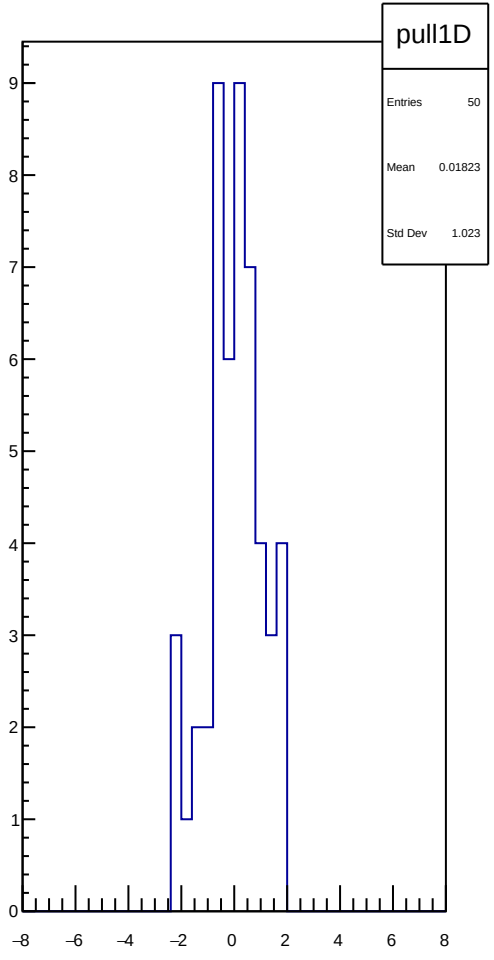
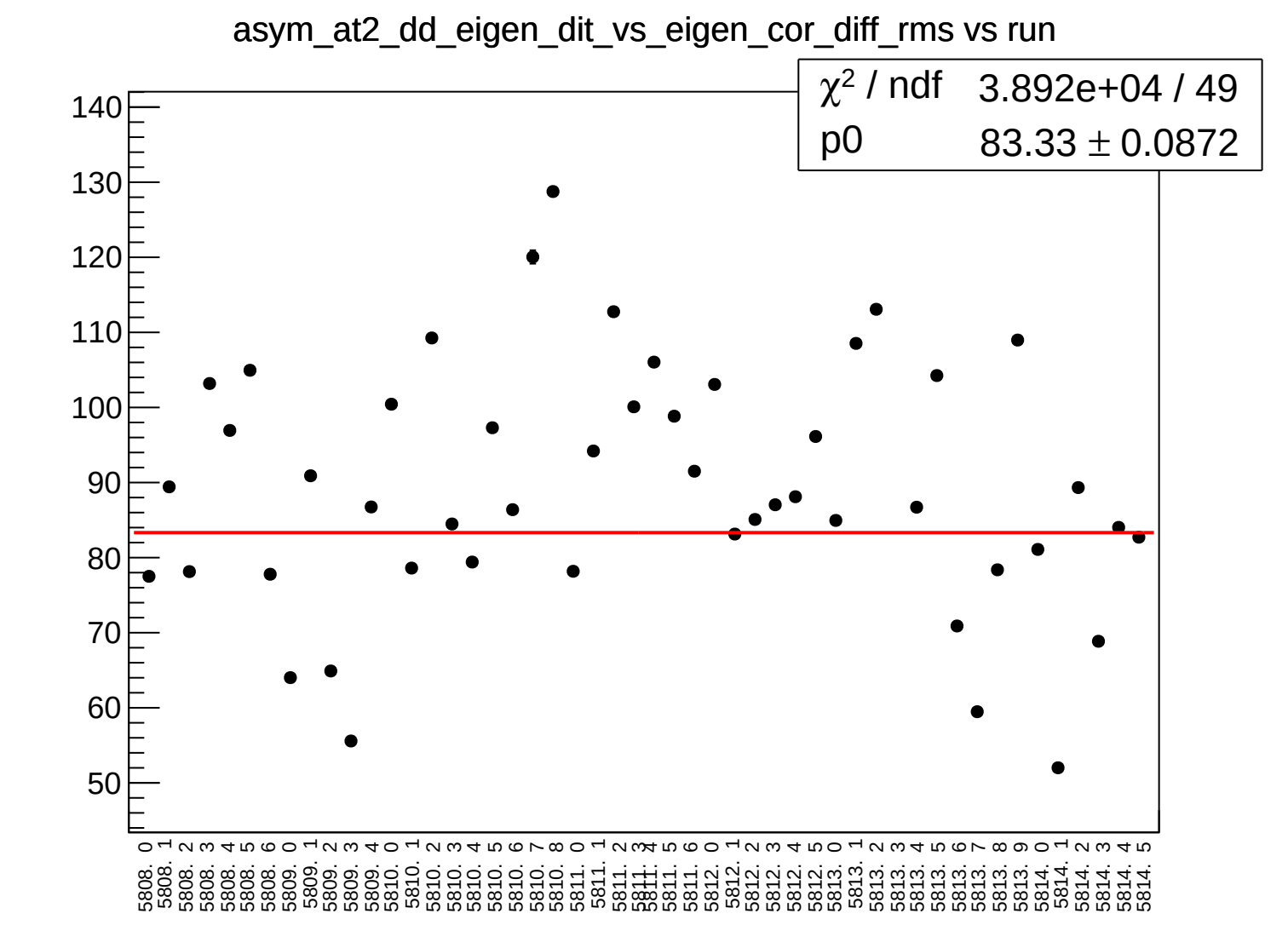
5814. 5


asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.35 / 49
p0 0.1027 ± 0.1233
pull
Entries 50
Mean −164.7
Std Dev 0


pull1D
Entries 50
Mean 0.01823
Std Dev 1.023


asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.892e+04 / 49
p0 83.33 ± 0.0872
140
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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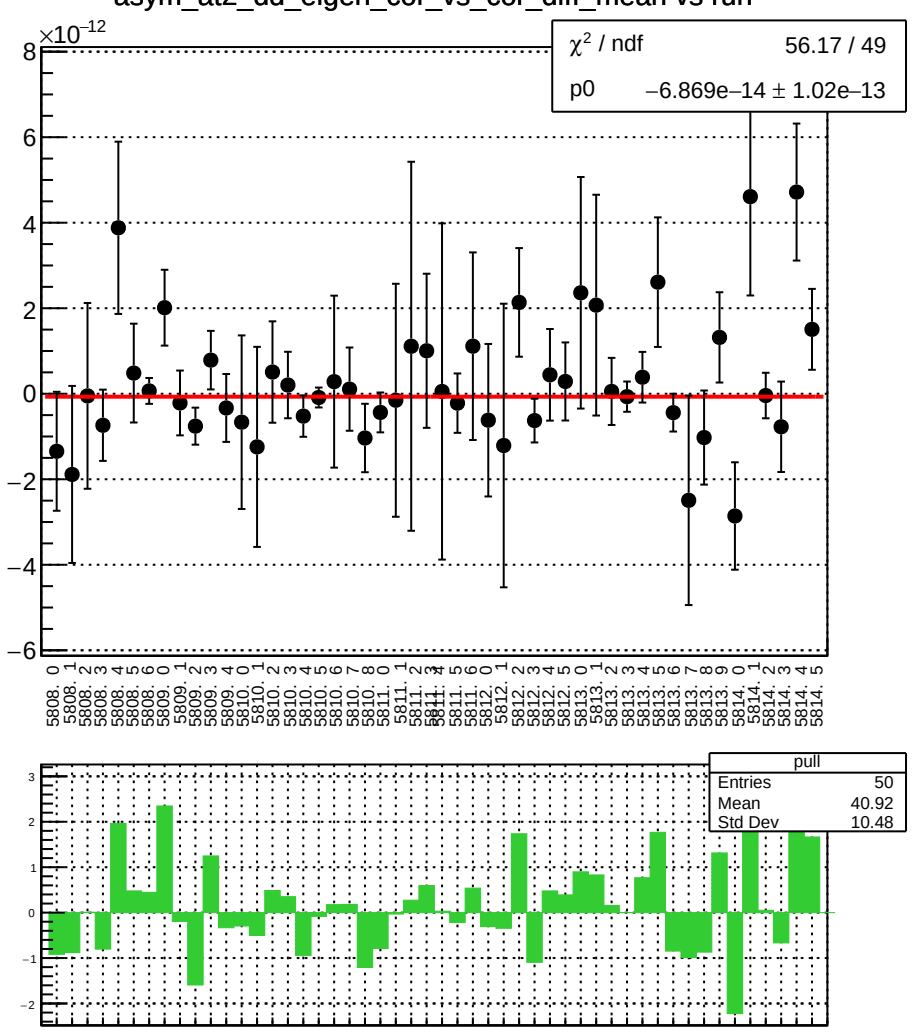
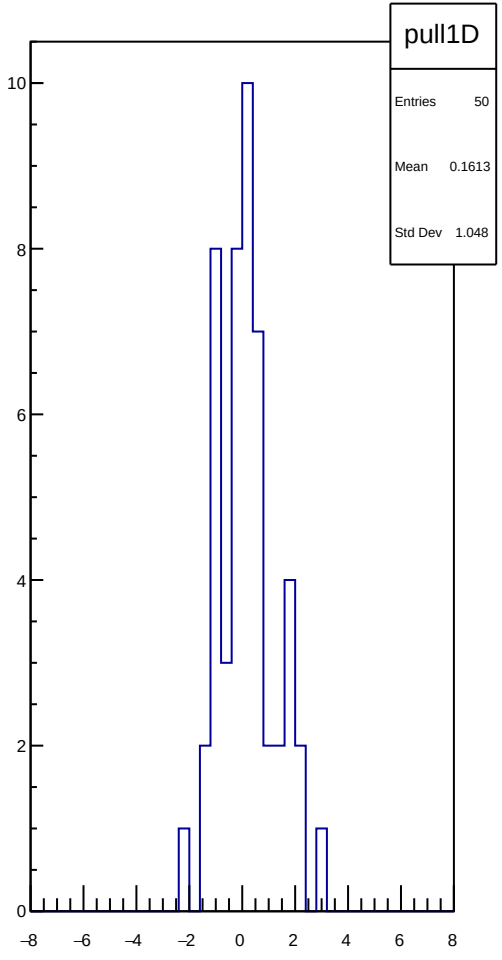
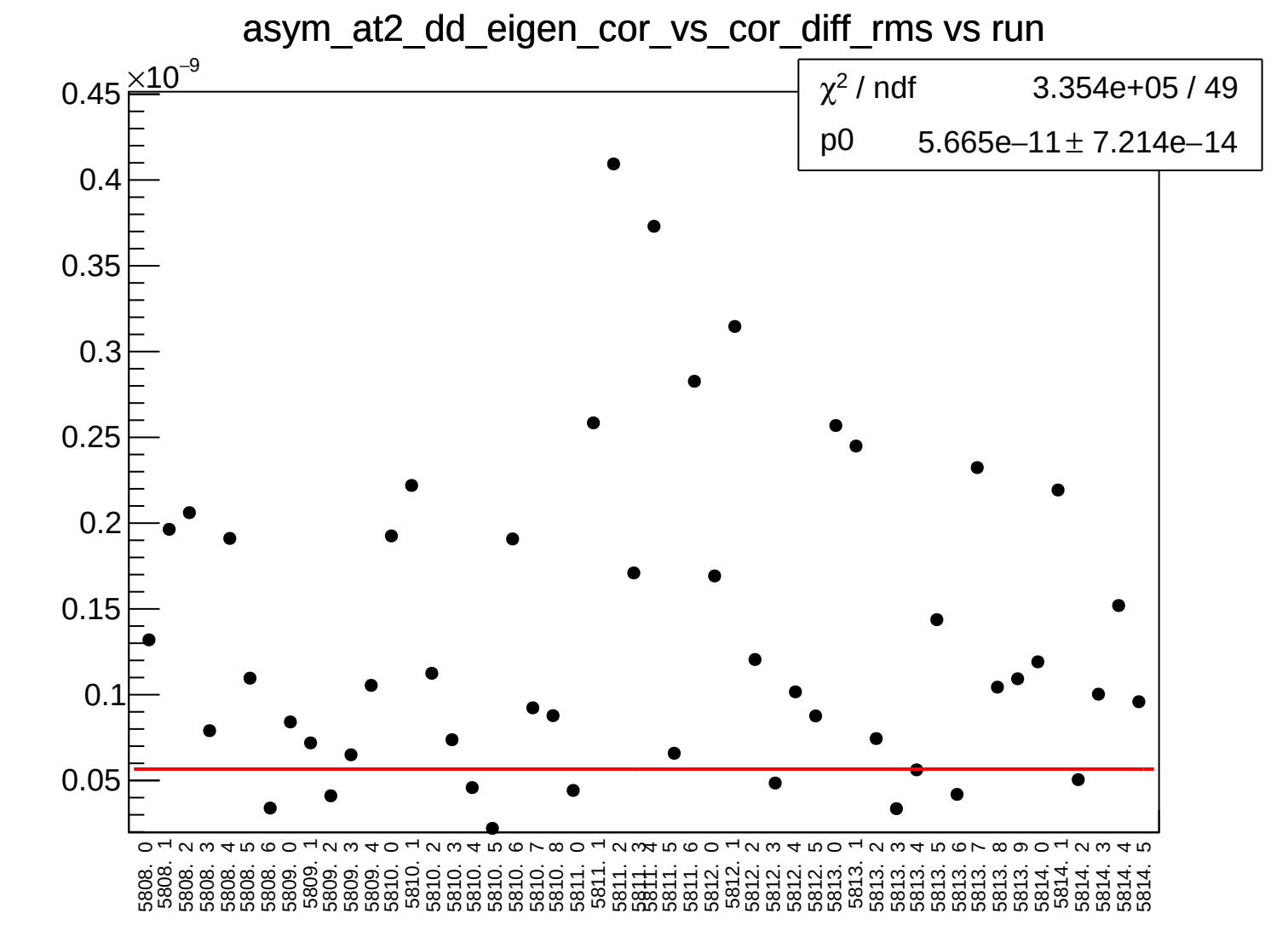
5814. 4
5814. 5


asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 56.17 / 49
p0 −6.869e−14 ± 1.02e−13
pull
Entries 50
Mean 40.92
Std Dev 10.48


pull1D
Entries 50
Mean 0.1613
Std Dev 1.048


asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.354e+05 / 49
p0 5.665e−11 ± 7.214e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5814. 2
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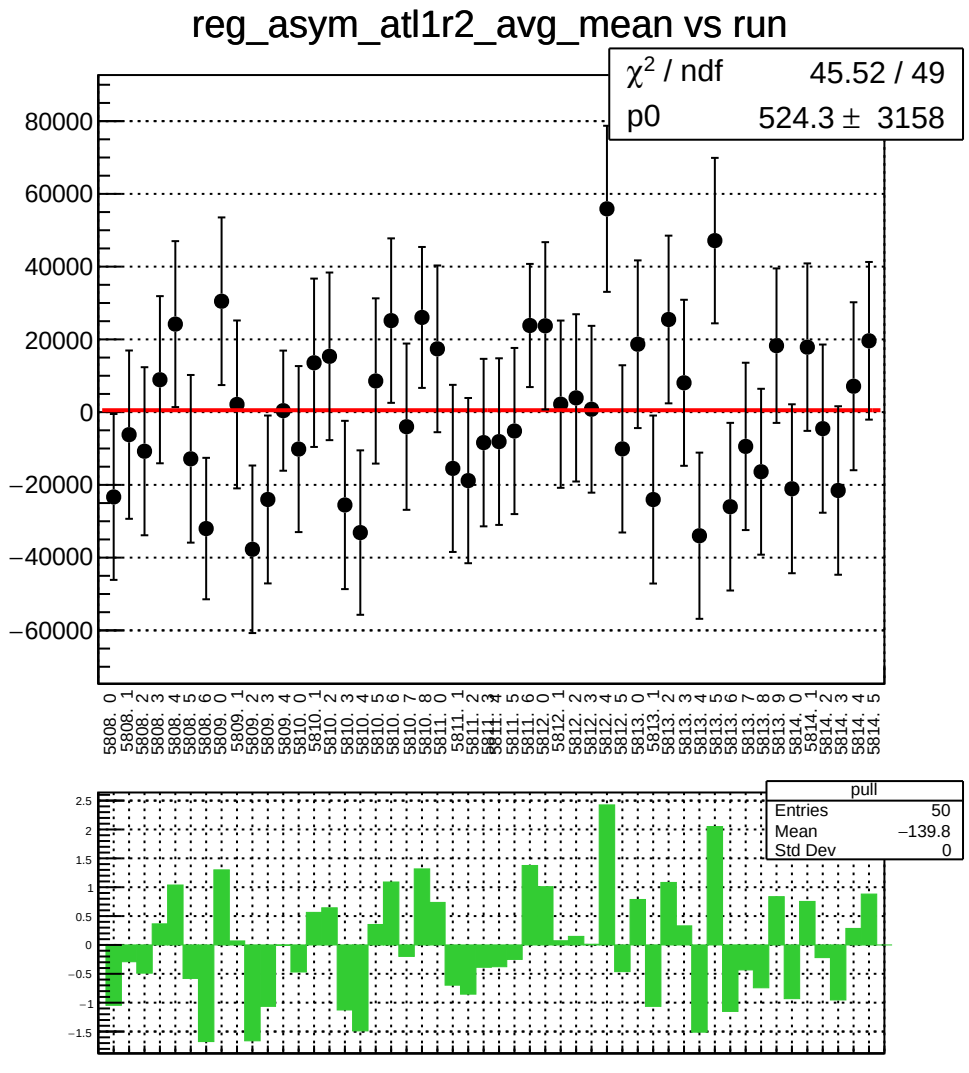
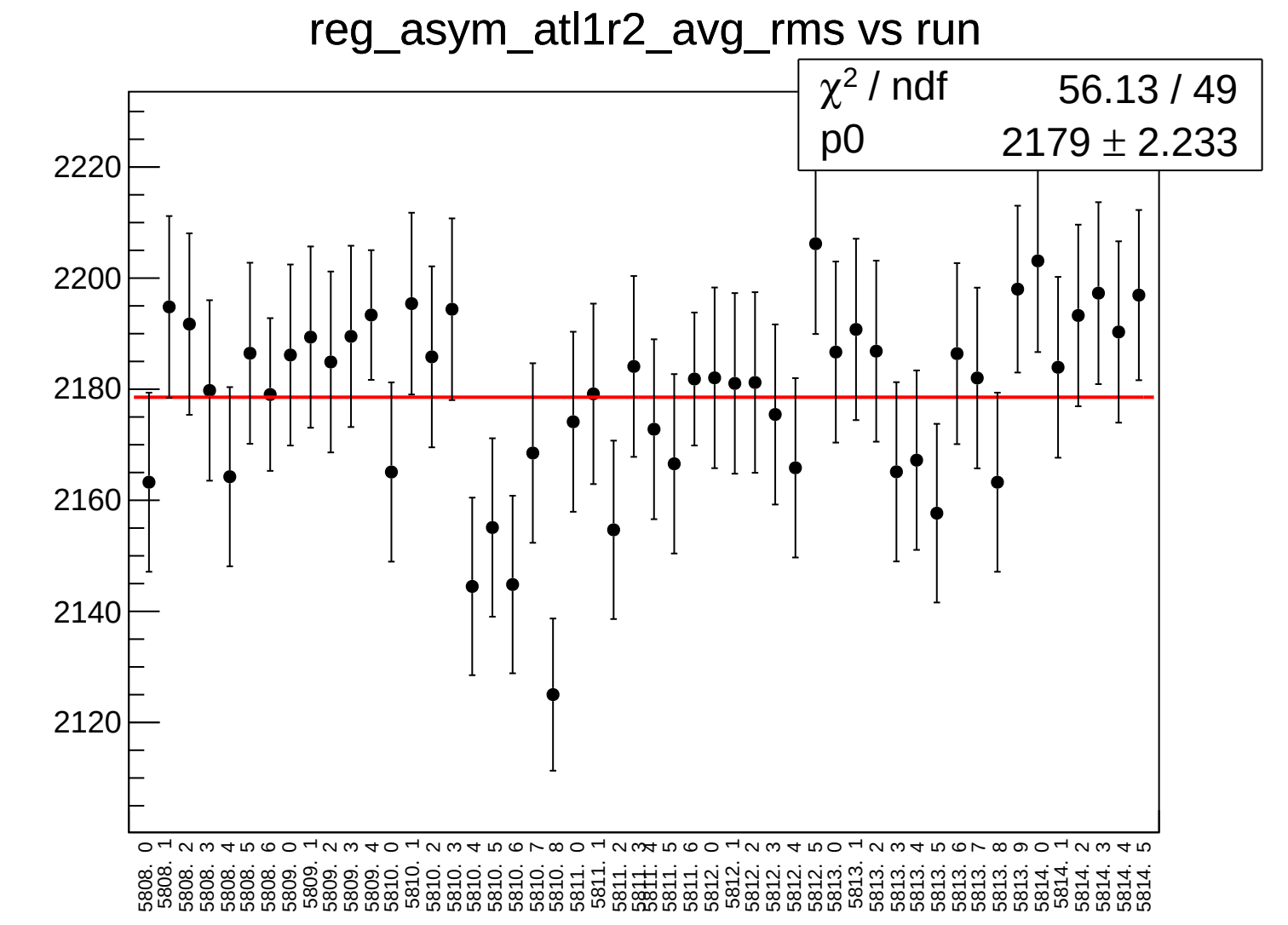
5814. 4
5814. 5


reg_asym_atl1r2_avg_mean vs run
χ² / ndf 45.52 / 49
p0 524.3 ± 3158
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01177
Std Dev 0.9541
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_avg_rms vs run
χ² / ndf 56.13 / 49
p0 2179 ± 2.233
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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5814. 2
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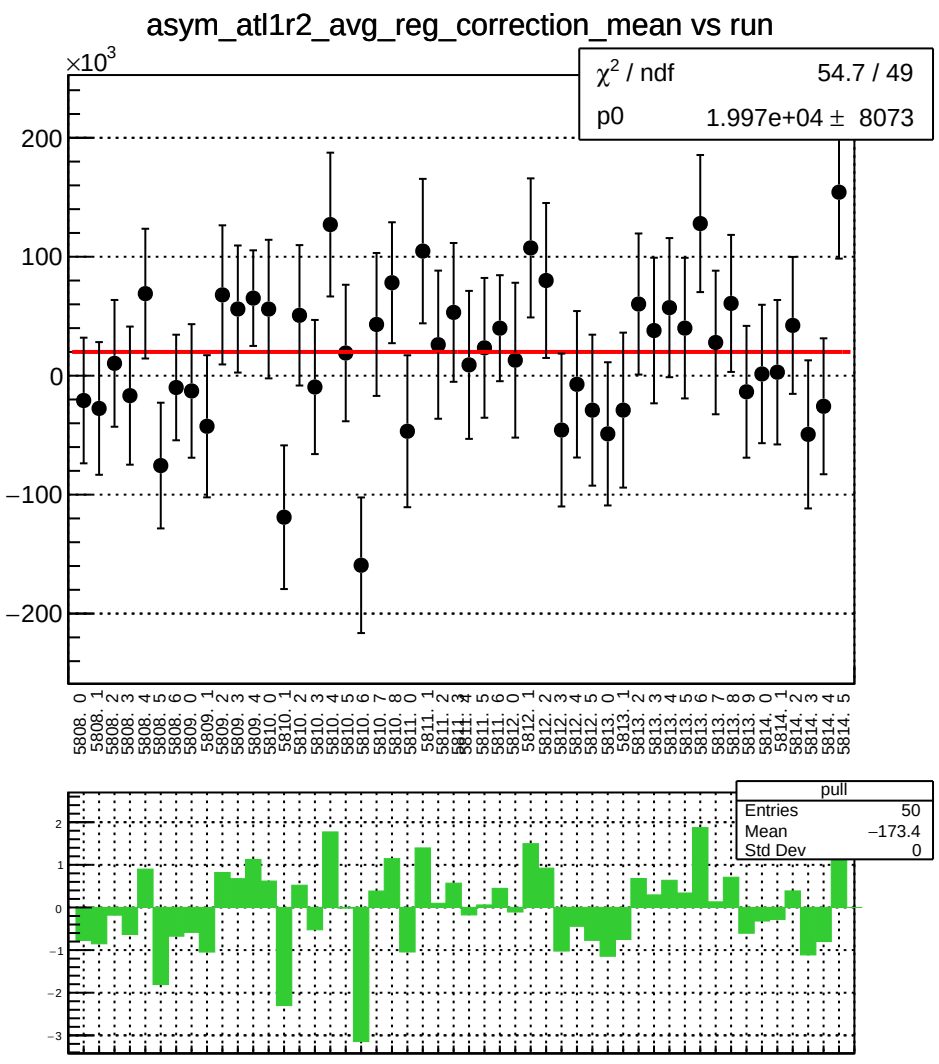
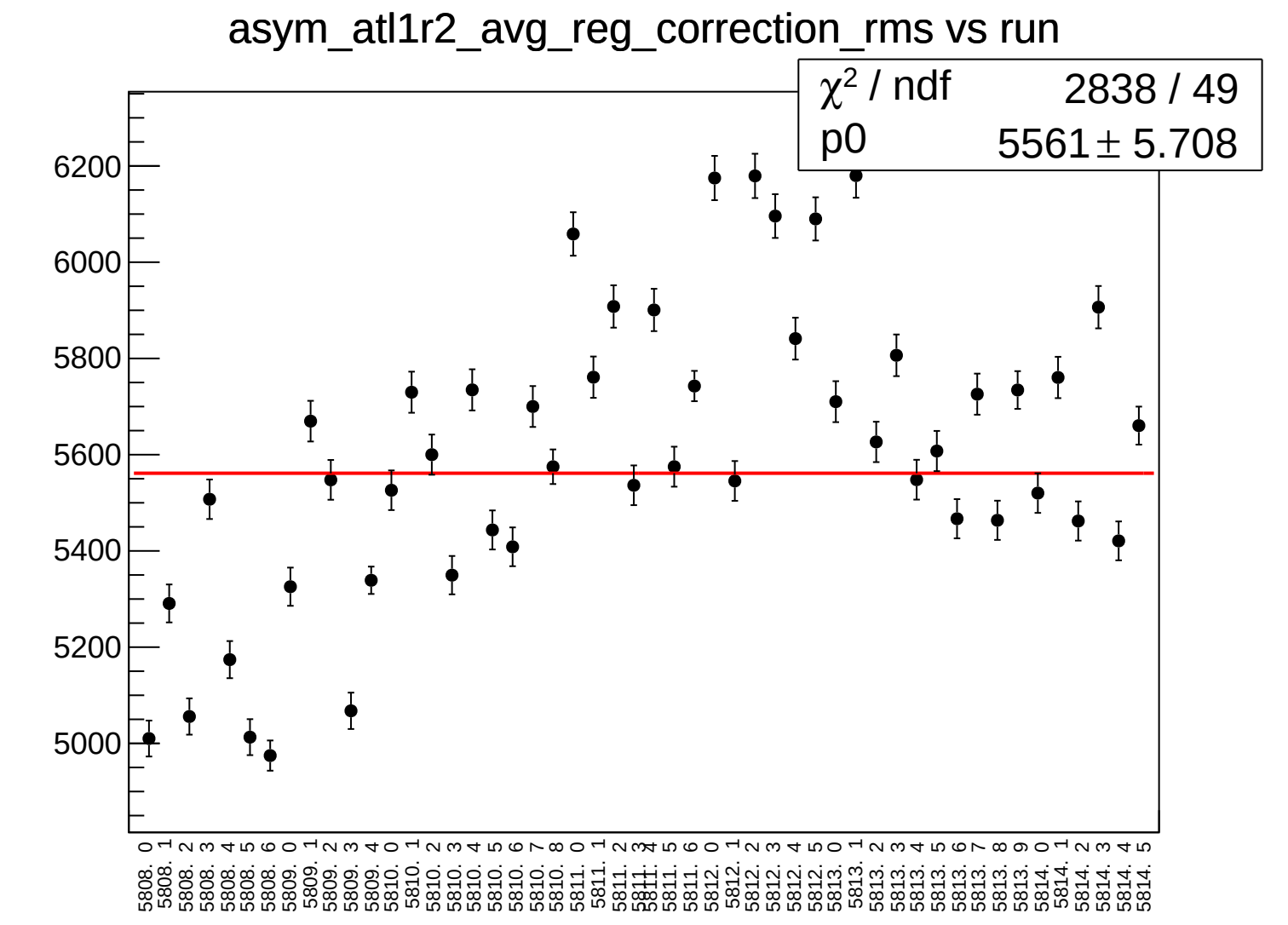
5814. 4
5814. 5


asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.7 / 49
p0 1.997e+04 ± 8073
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −173.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01392
Std Dev 1.046
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 2838 / 49
p0 5561 ± 5.708
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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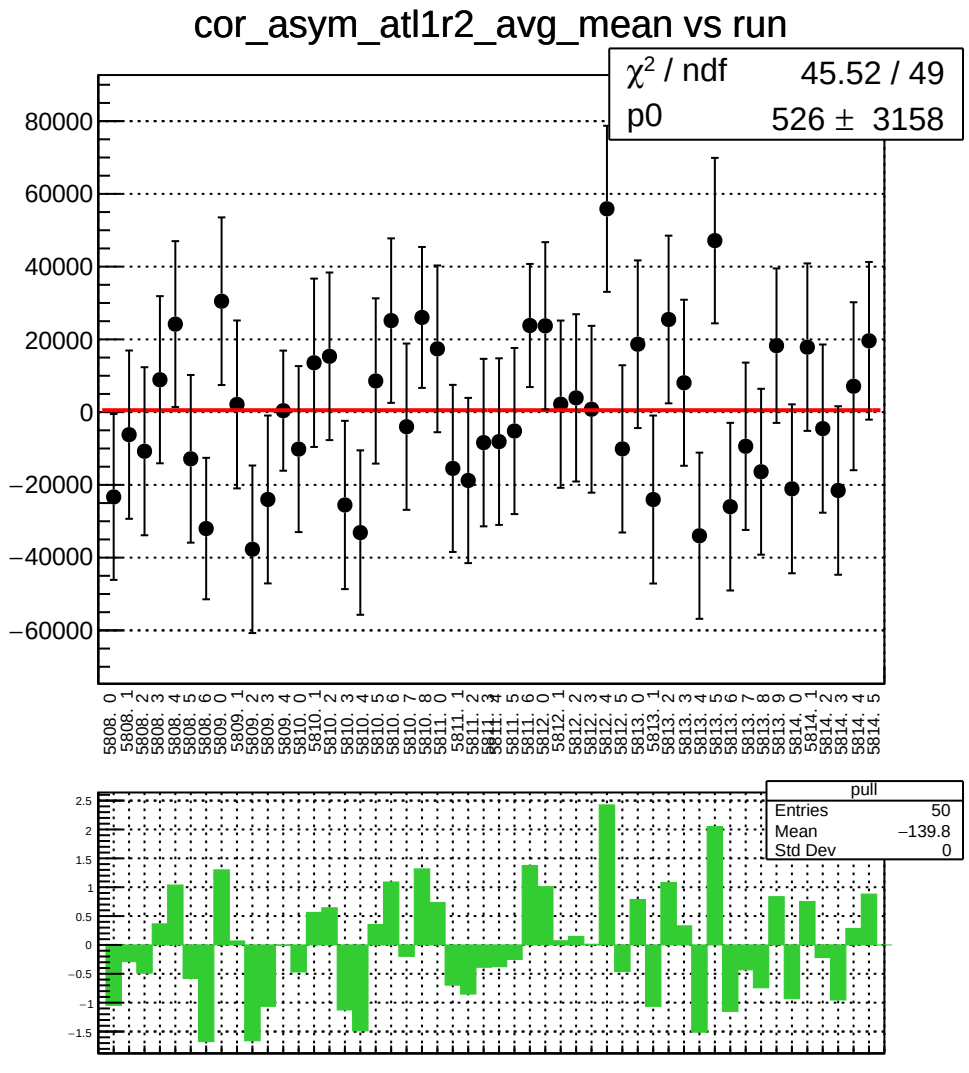
5814. 4
5814. 5


cor_asym_atl1r2_avg_mean vs run
χ² / ndf 45.52 / 49
p0 526 ± 3158
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5812. 2
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5813. 1
5813. 2
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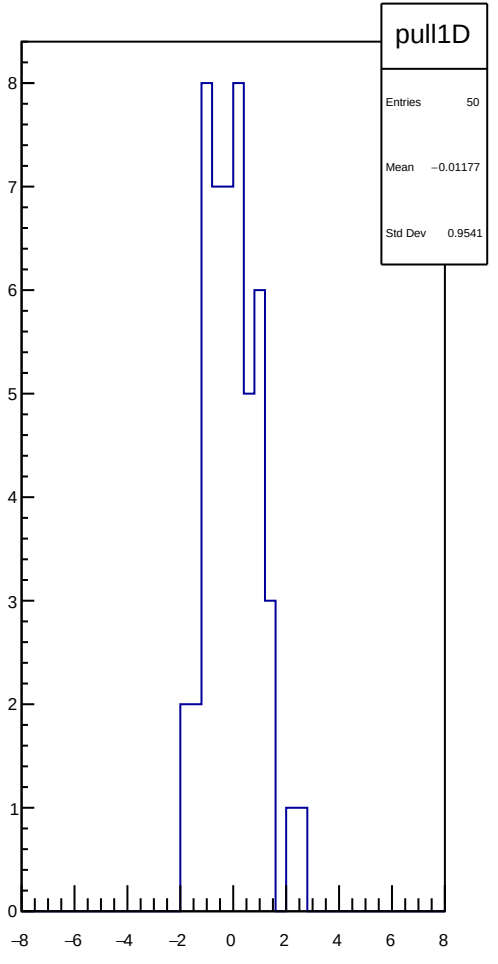
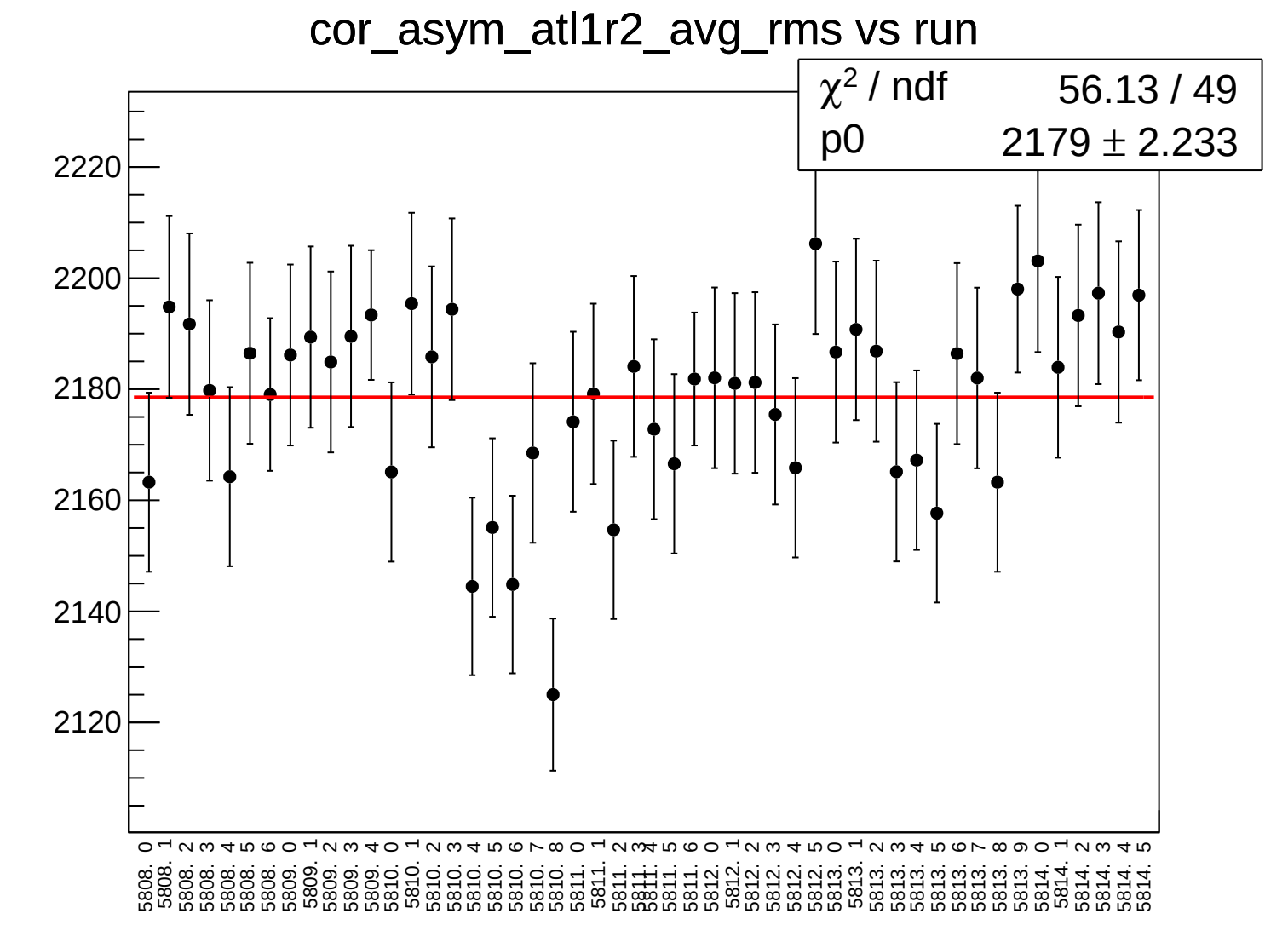
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.01177
Std Dev 0.9541
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_avg_rms vs run
χ² / ndf 56.13 / 49
p0 2179 ± 2.233
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 3
5809. 4
5810. 0
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5810. 7
5810. 8
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5812. 2
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5813. 1
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5814. 2
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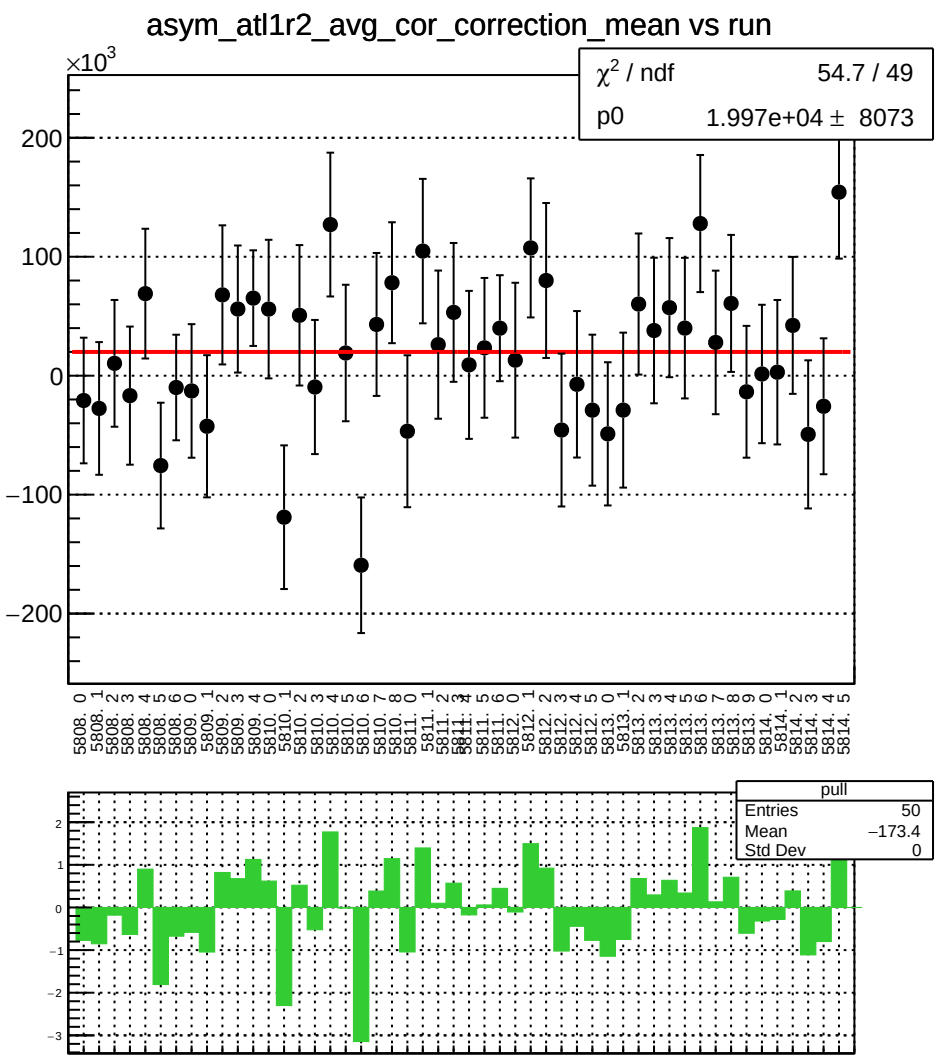
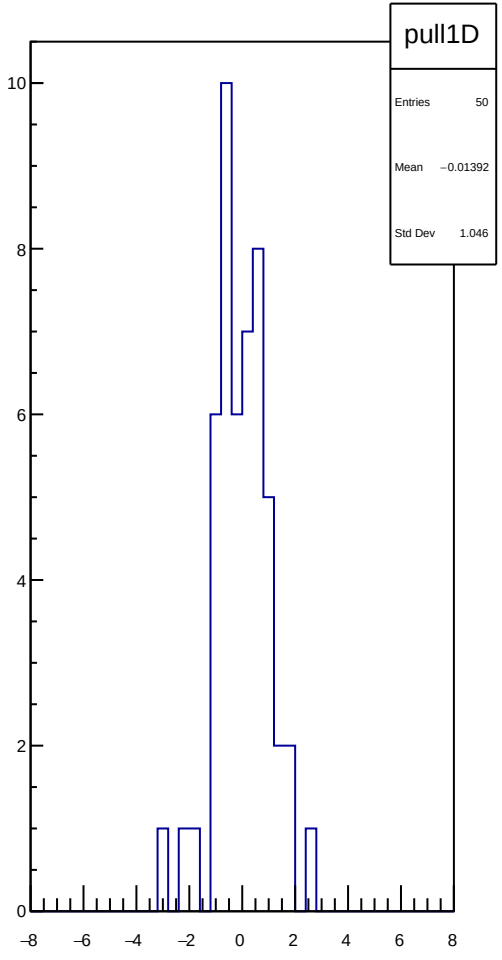
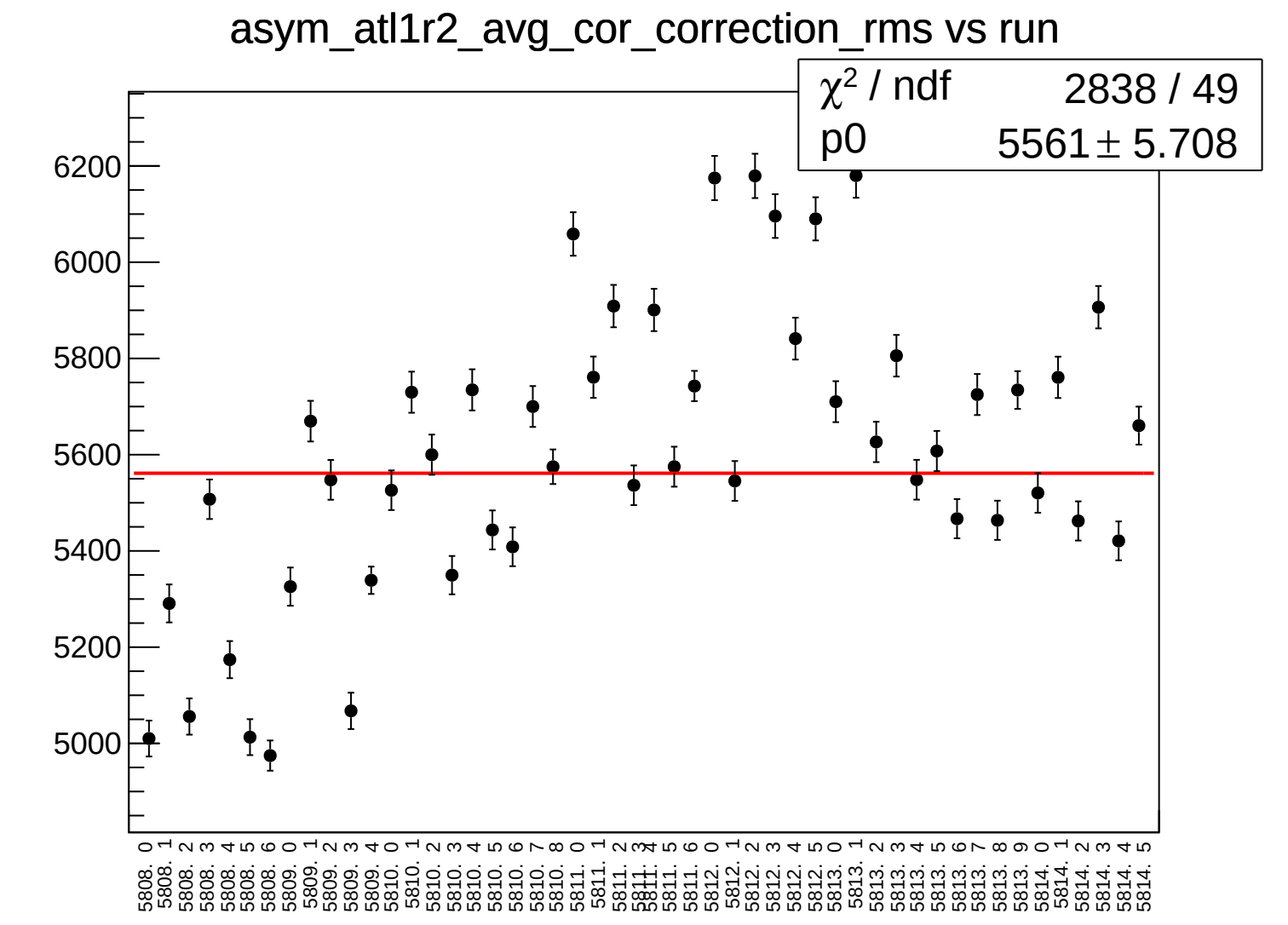
5814. 5


asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.7 / 49
p0 1.997e+04 ± 8073
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −173.4
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01392
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_cor_correction_rms vs run
χ² / ndf 2838 / 49
p0 5561 ± 5.708
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
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5812. 4
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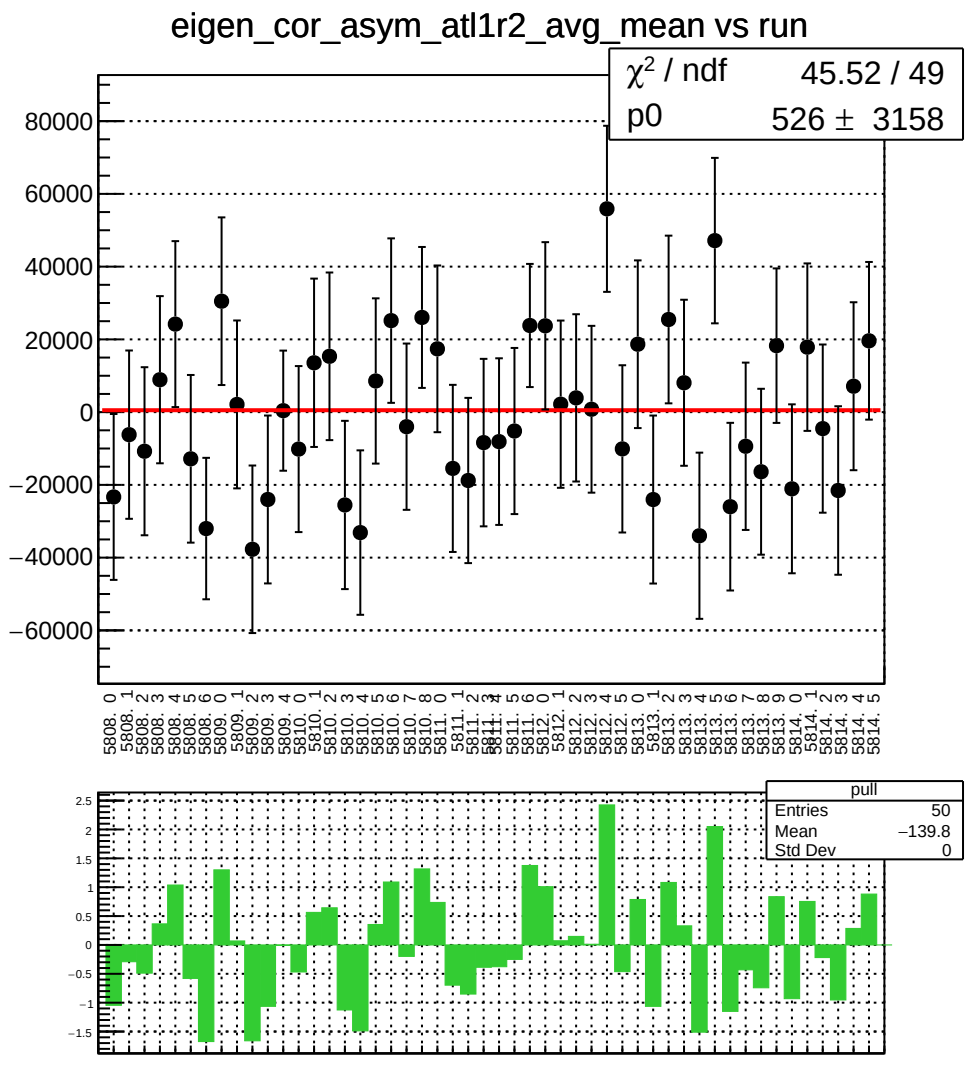
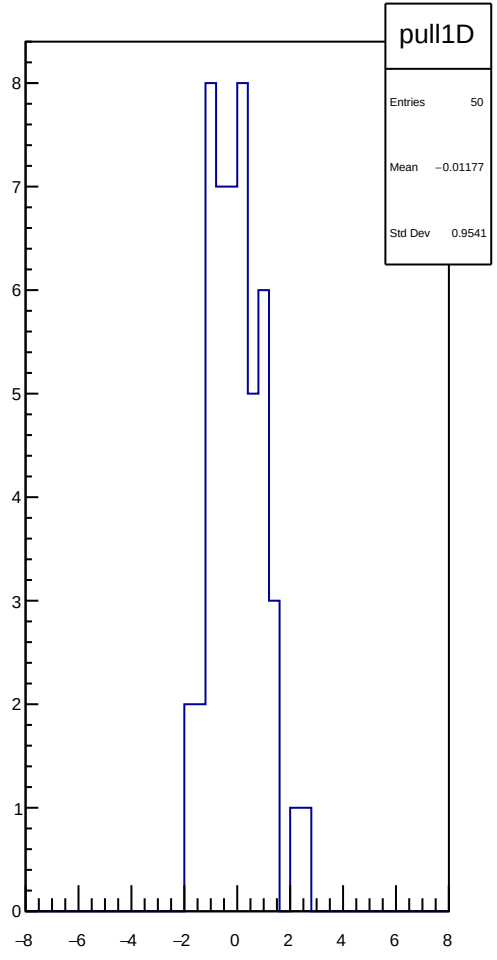
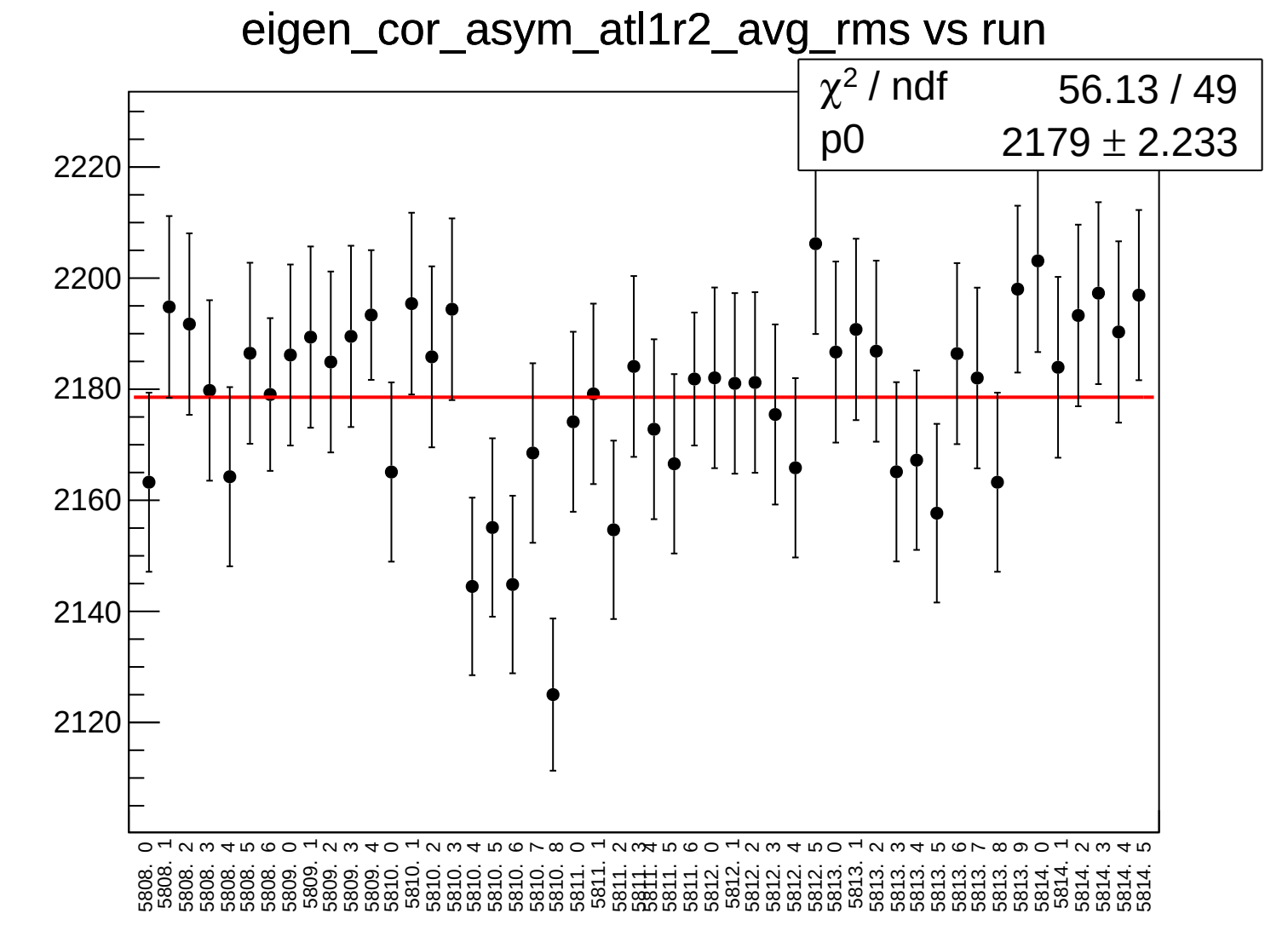
5814. 5


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 45.52 / 49
p0 526 ± 3158
pull
Entries 50
Mean −139.8
Std Dev 0


pull1D
Entries 50
Mean −0.01177
Std Dev 0.9541


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 56.13 / 49
p0 2179 ± 2.233
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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5809. 4
5810. 0
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5812. 2
5812. 3
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5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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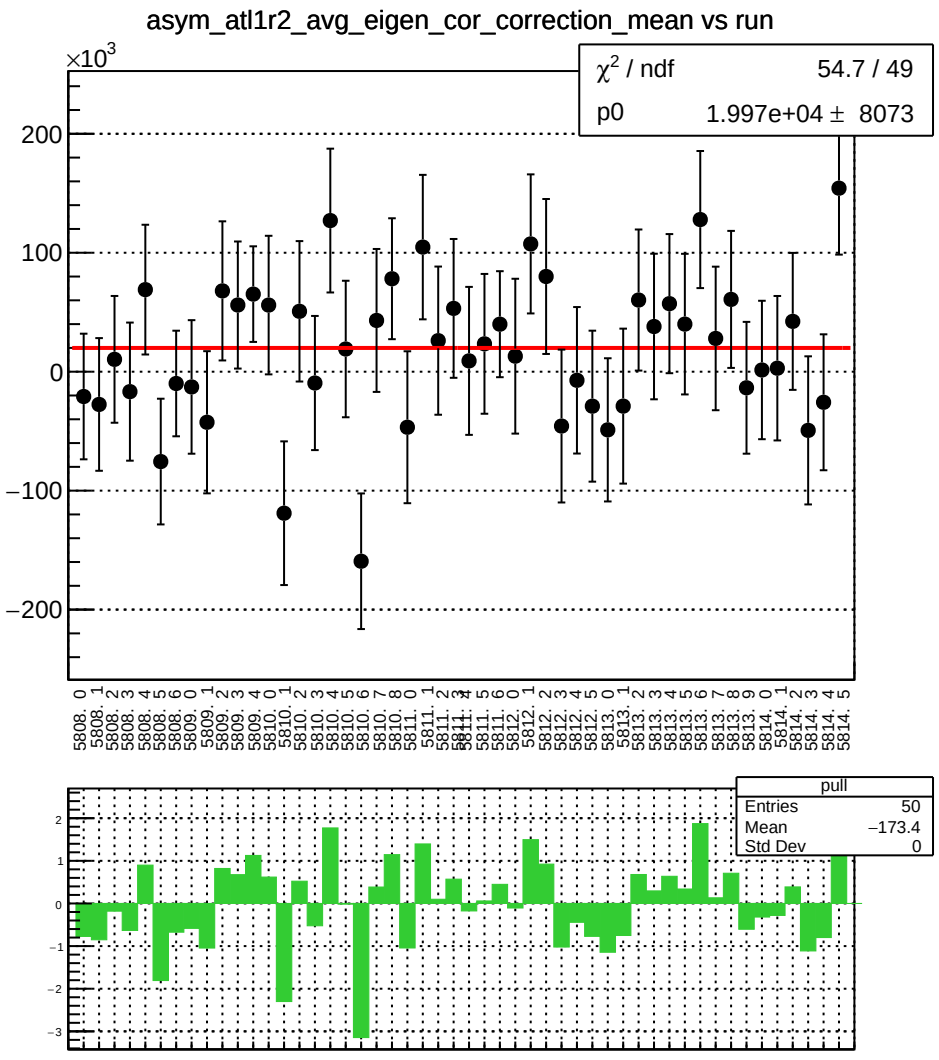
5814. 4
5814. 5


asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.7 / 49
p0 1.997e+04 ± 8073
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5811. 0
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5811. 6
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5812. 1
5812. 2
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5812. 4
5812. 5
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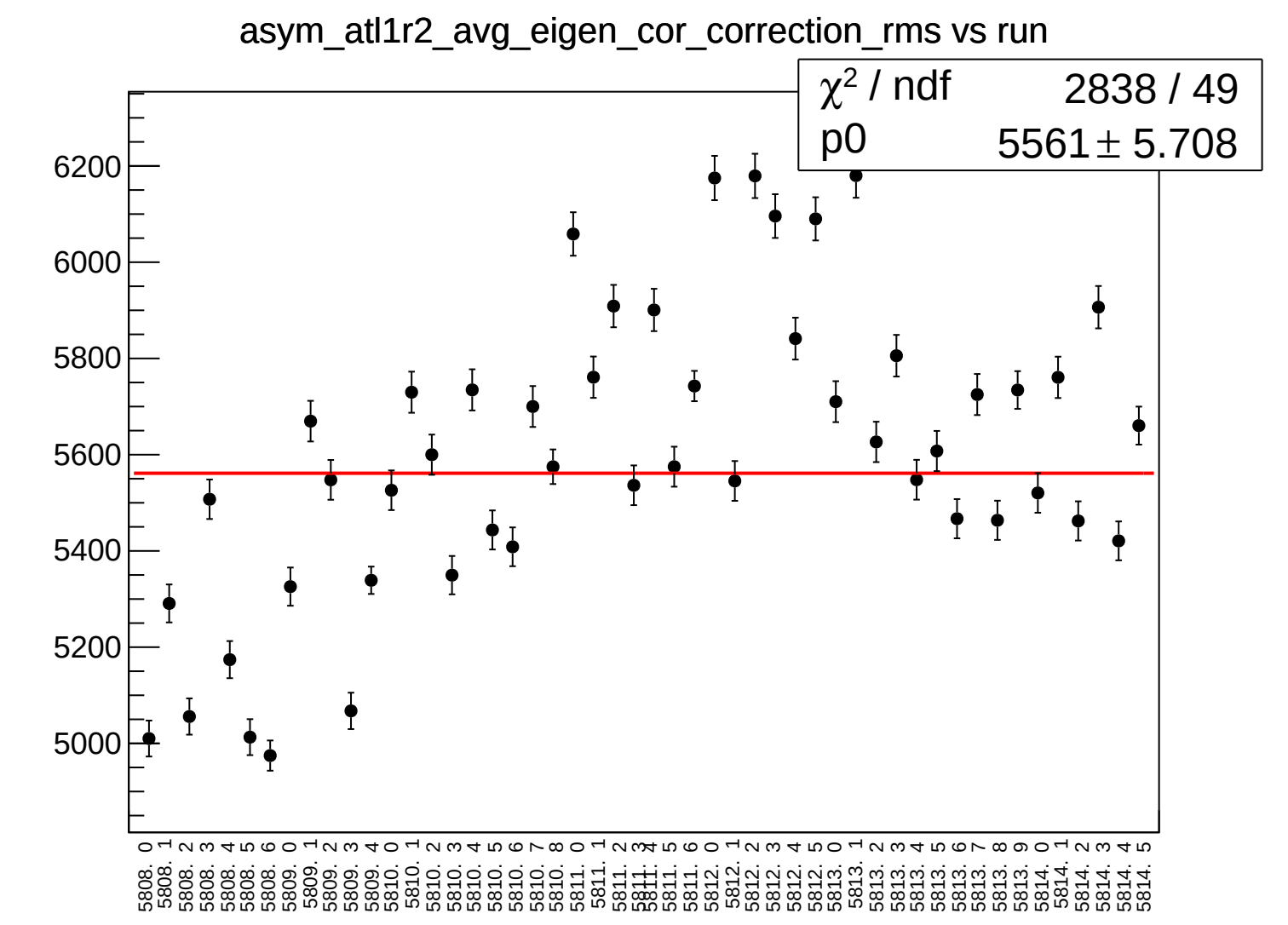
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −173.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01392
Std Dev 1.046
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2838 / 49
p0 5561 ± 5.708
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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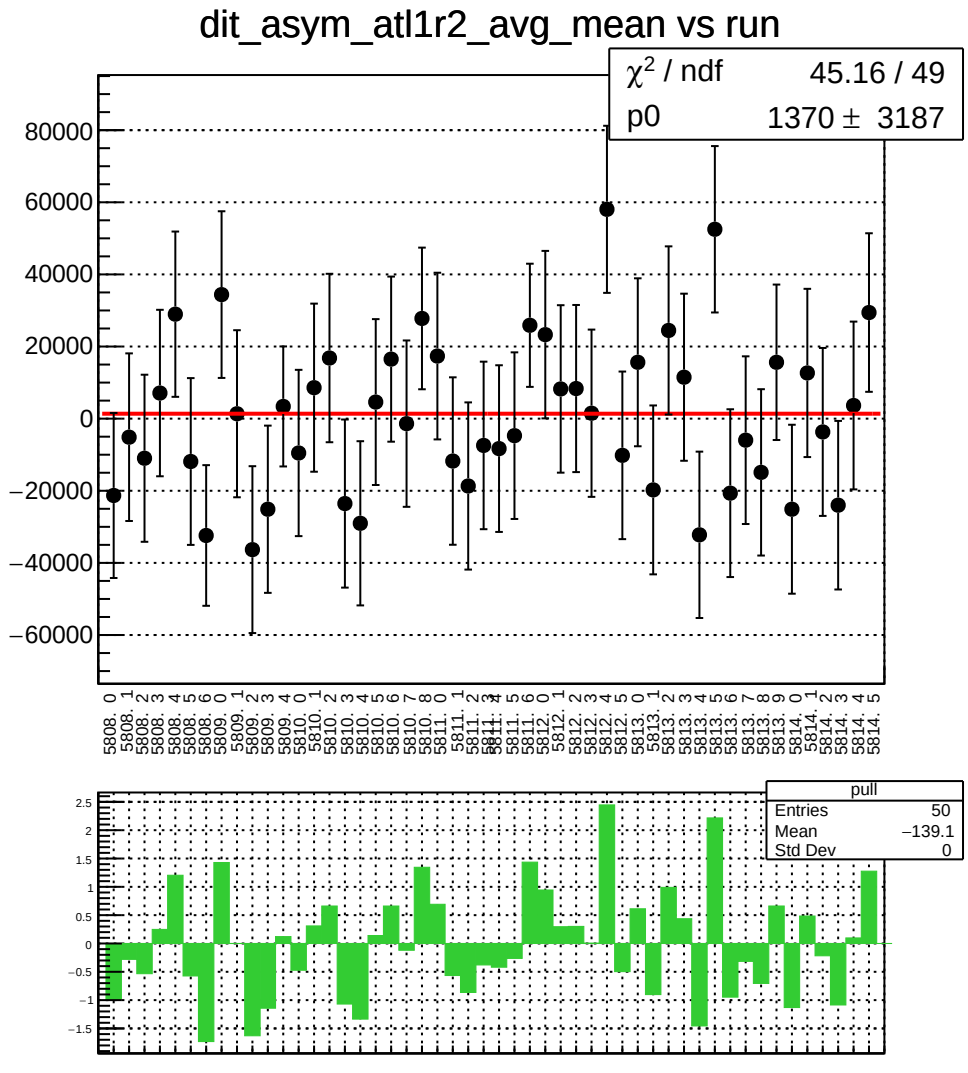
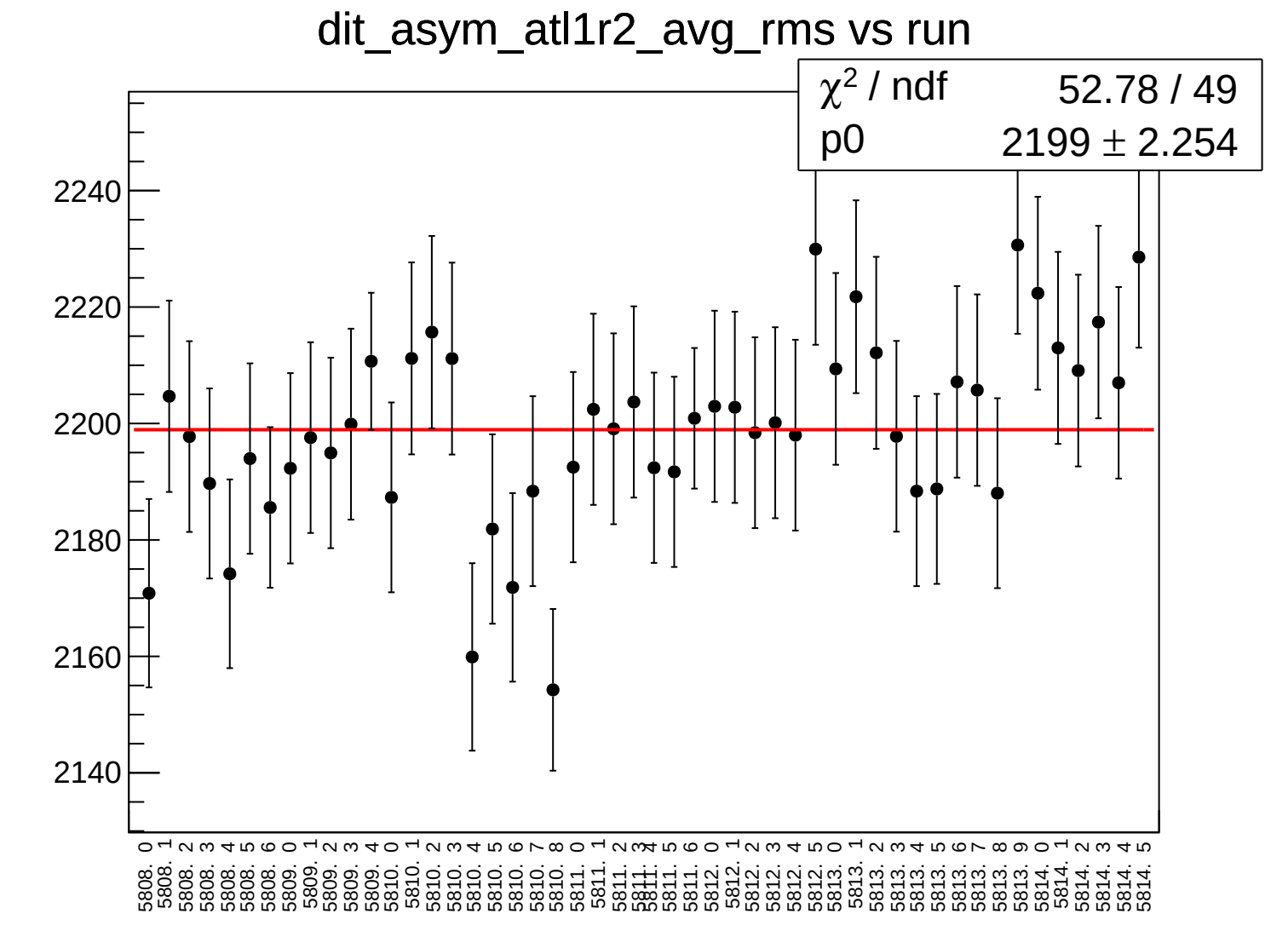
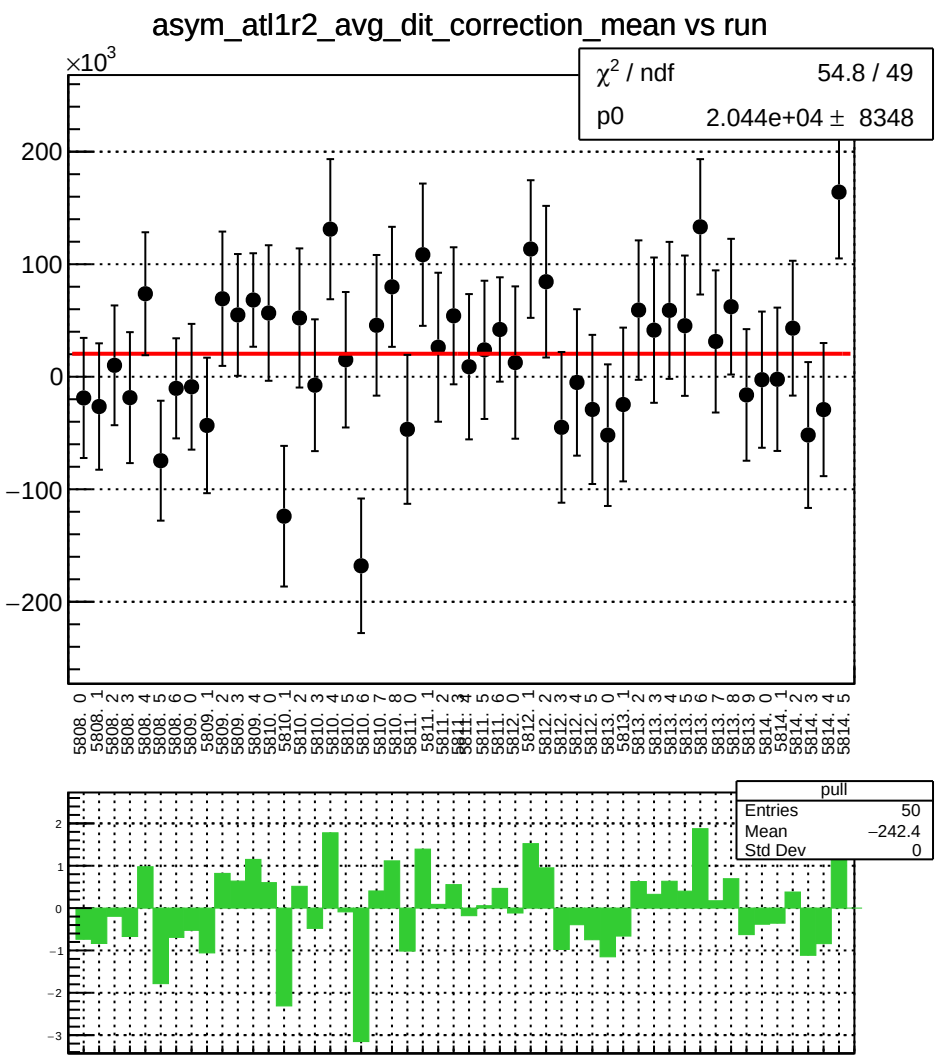
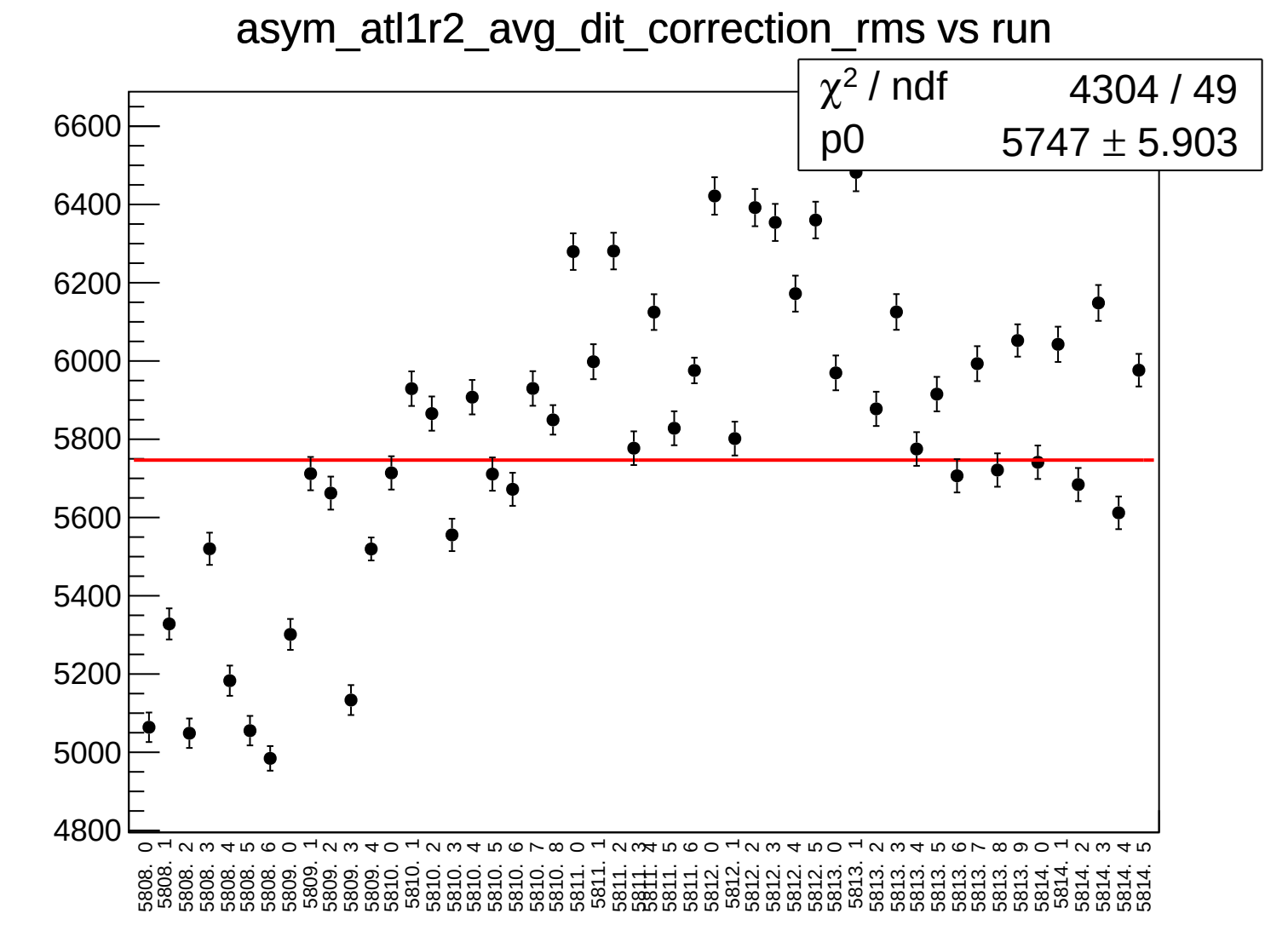
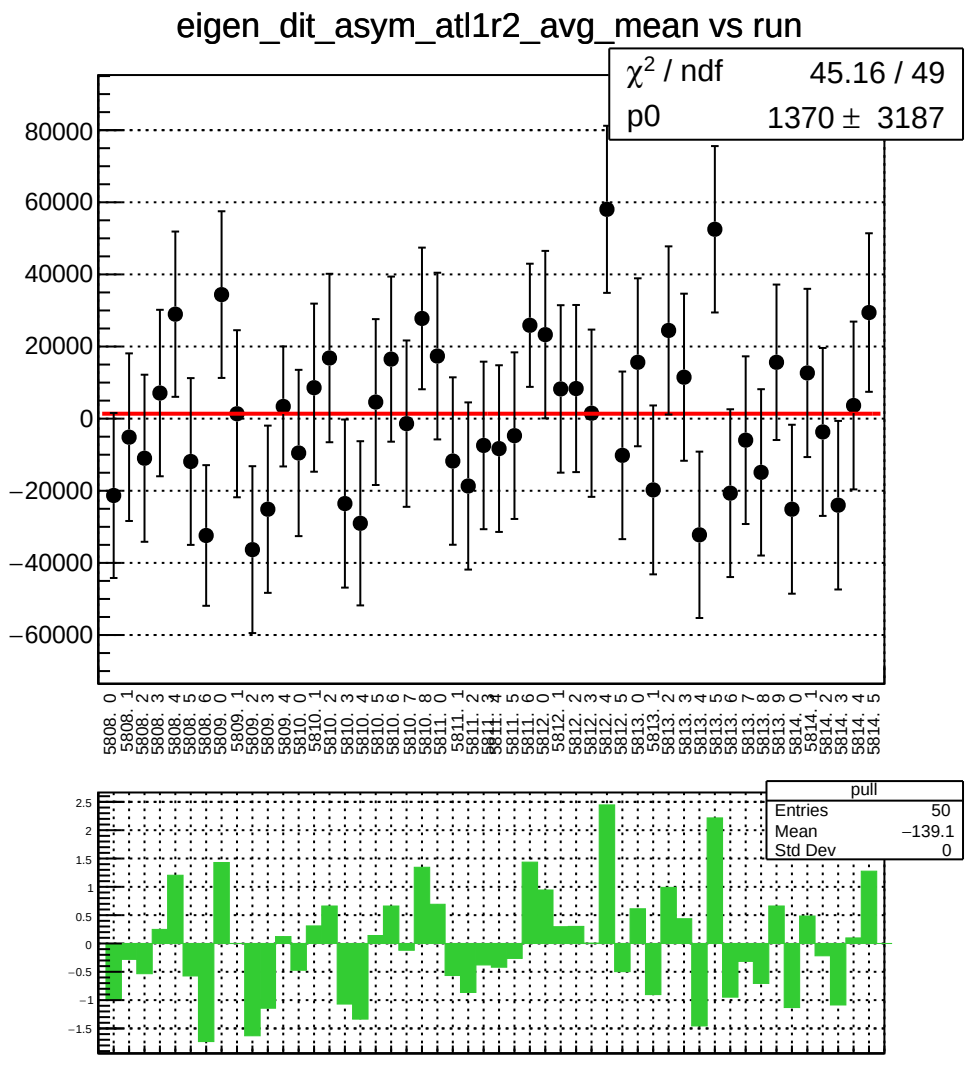
5814. 2
5814. 3
5814. 4
5814. 5

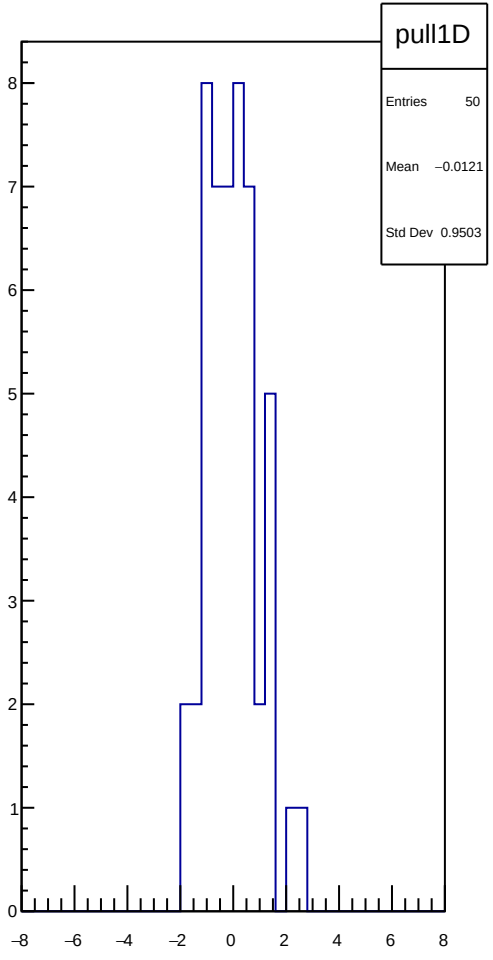

dit_asym_atl1r2_avg_mean vs run
χ² / ndf 45.16 / 49
p0 1370 ± 3187
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0121
Std Dev 0.9503
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_avg_rms vs run
χ² / ndf 52.78 / 49
p0 2199 ± 2.254
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 54.8 / 49
p0 2.044e+04 ± 8348
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −242.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01014
Std Dev 1.047
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 4304 / 49
p0 5747 ± 5.903
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 45.16 / 49
p0 1370 ± 3187
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.0121
Std Dev 0.9503
8
7
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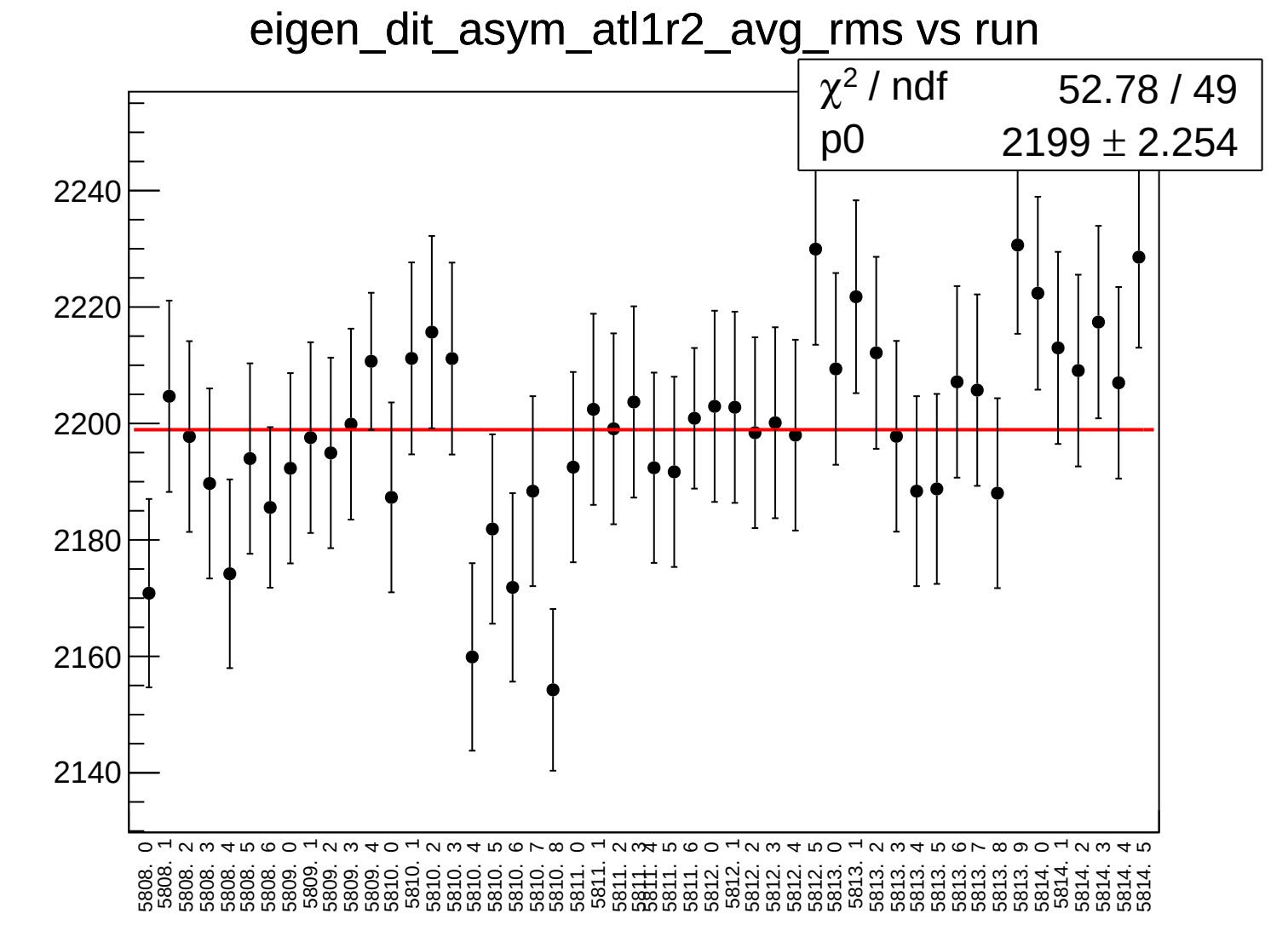
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 52.78 / 49
p0 2199 ± 2.254
2240
2220
2200
2180
2160
2140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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5814. 2
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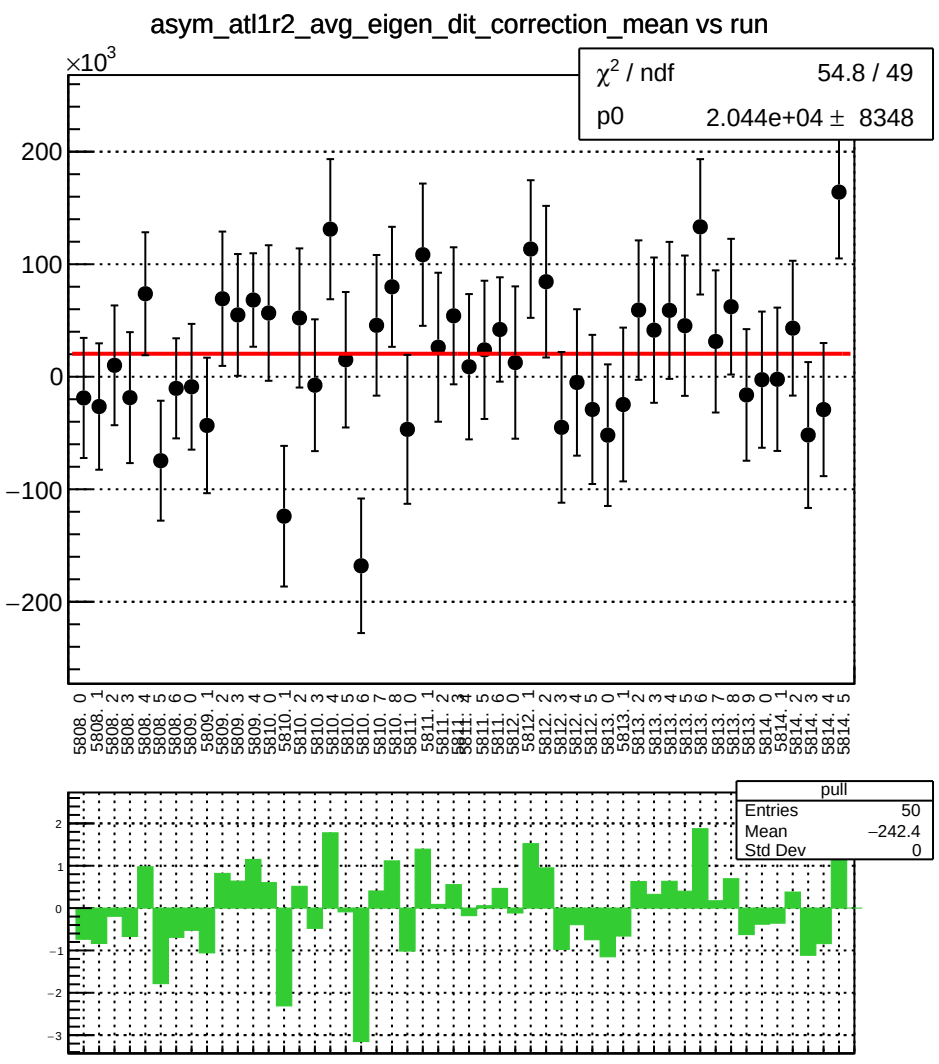
5814. 4
5814. 5


asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.8 / 49
p0 2.044e+04 ± 8348
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −242.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01014
Std Dev 1.047
9
8
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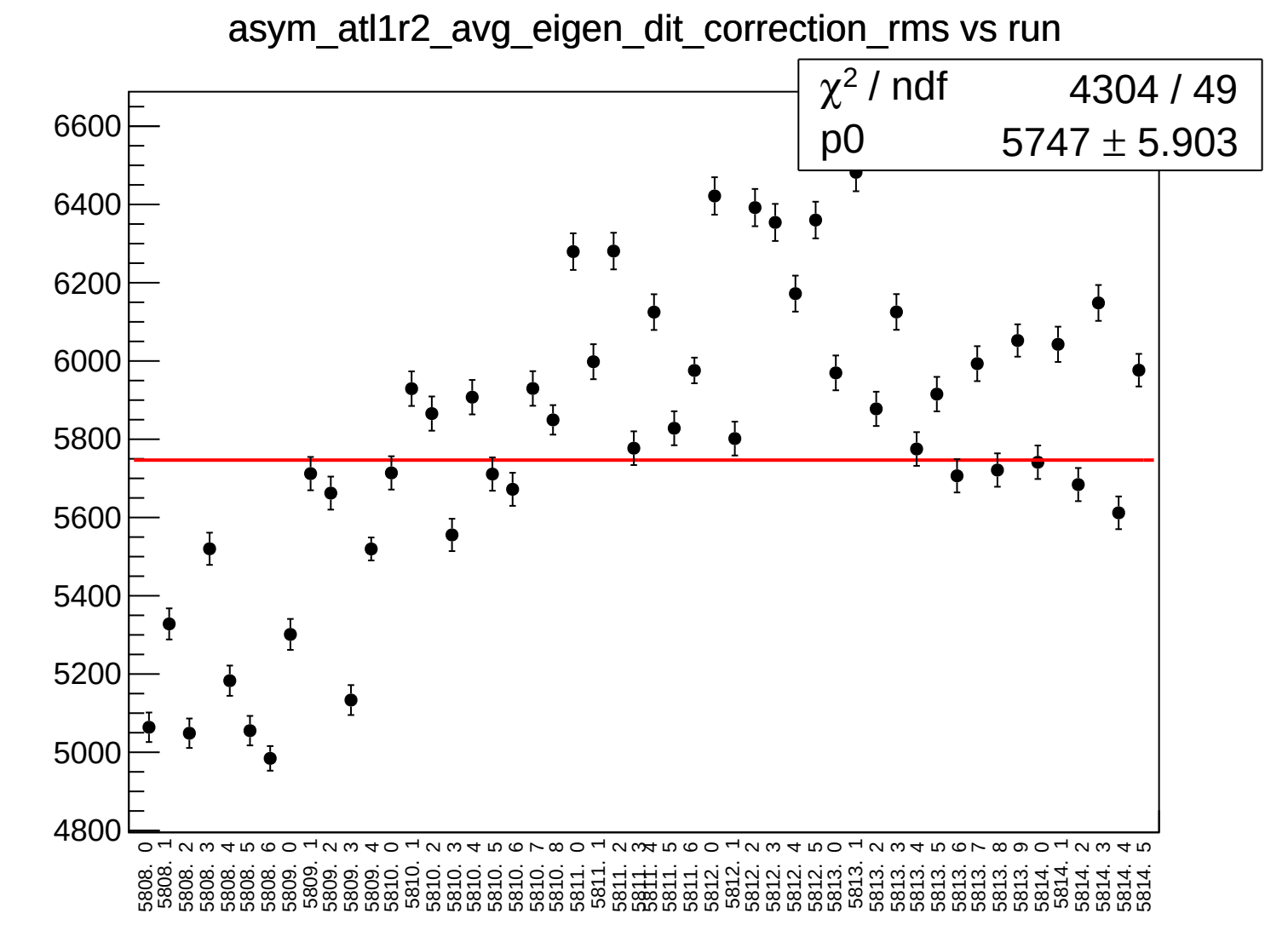
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4304 / 49
p0 5747 ± 5.903
6600
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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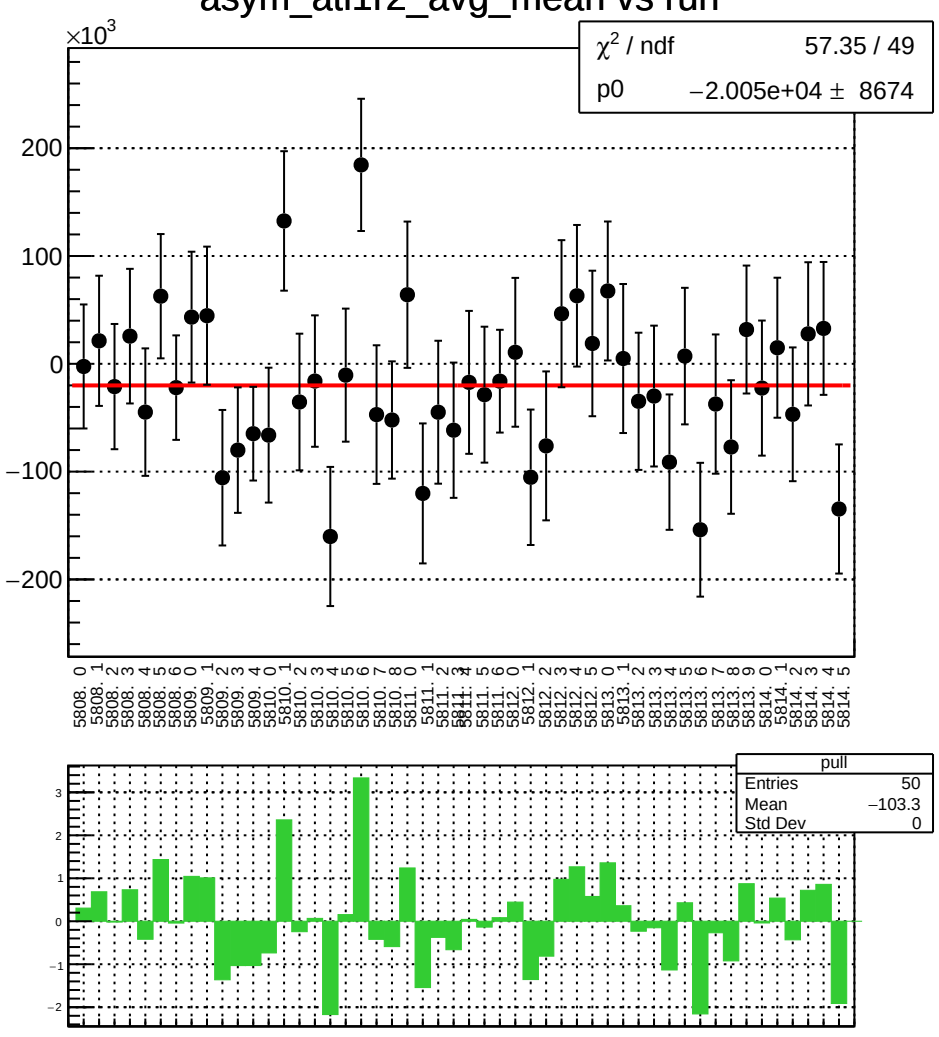
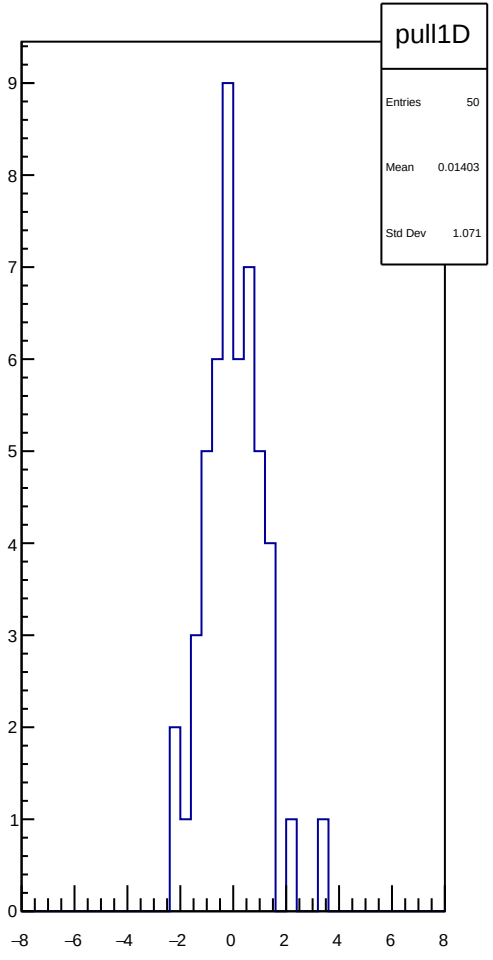
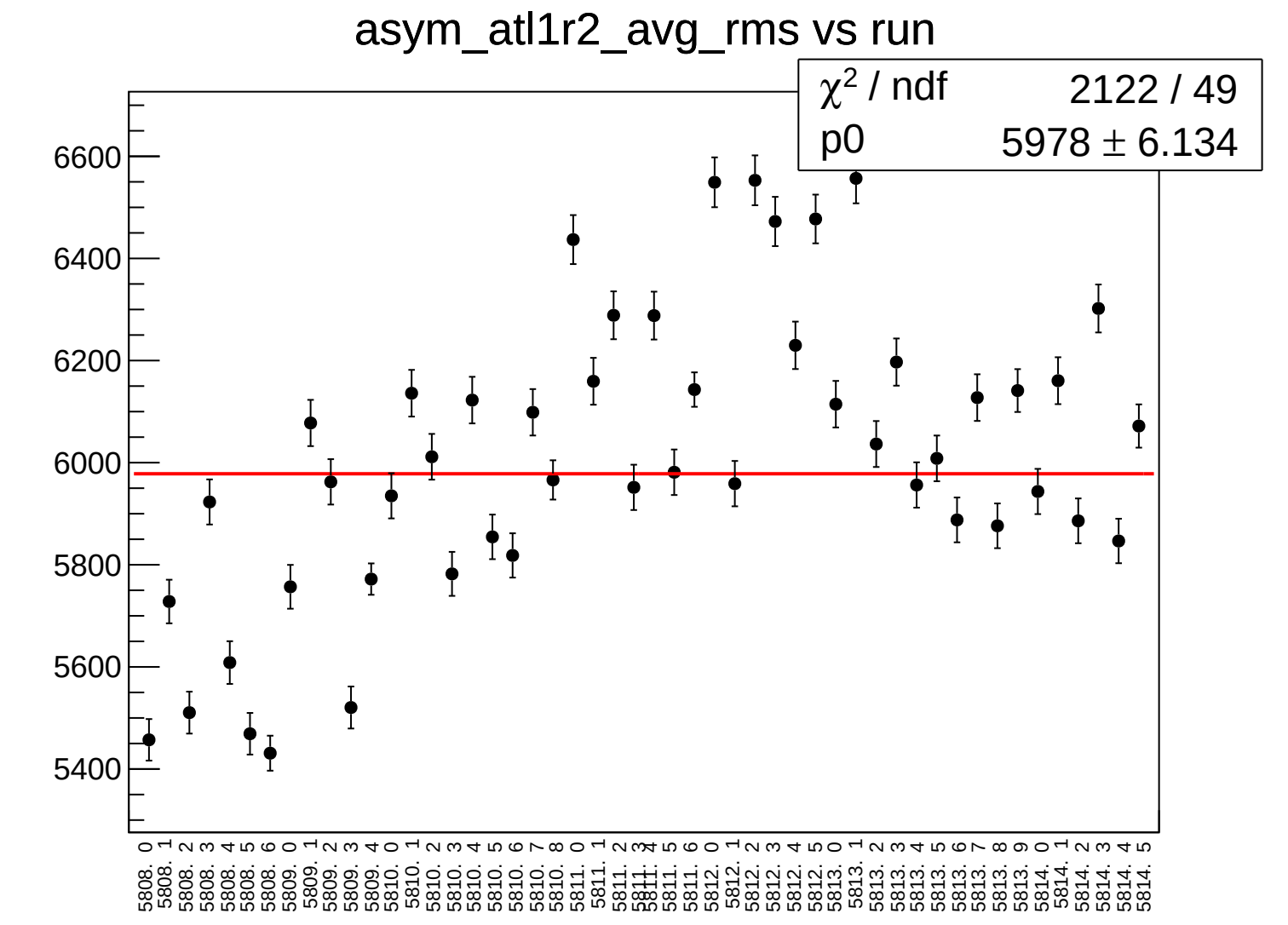
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 57.35 / 49
p0 −2.005e+04 ± 8674
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −103.3
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01403
Std Dev 1.071
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_rms vs run
χ² / ndf 2122 / 49
p0 5978 ± 6.134
6600
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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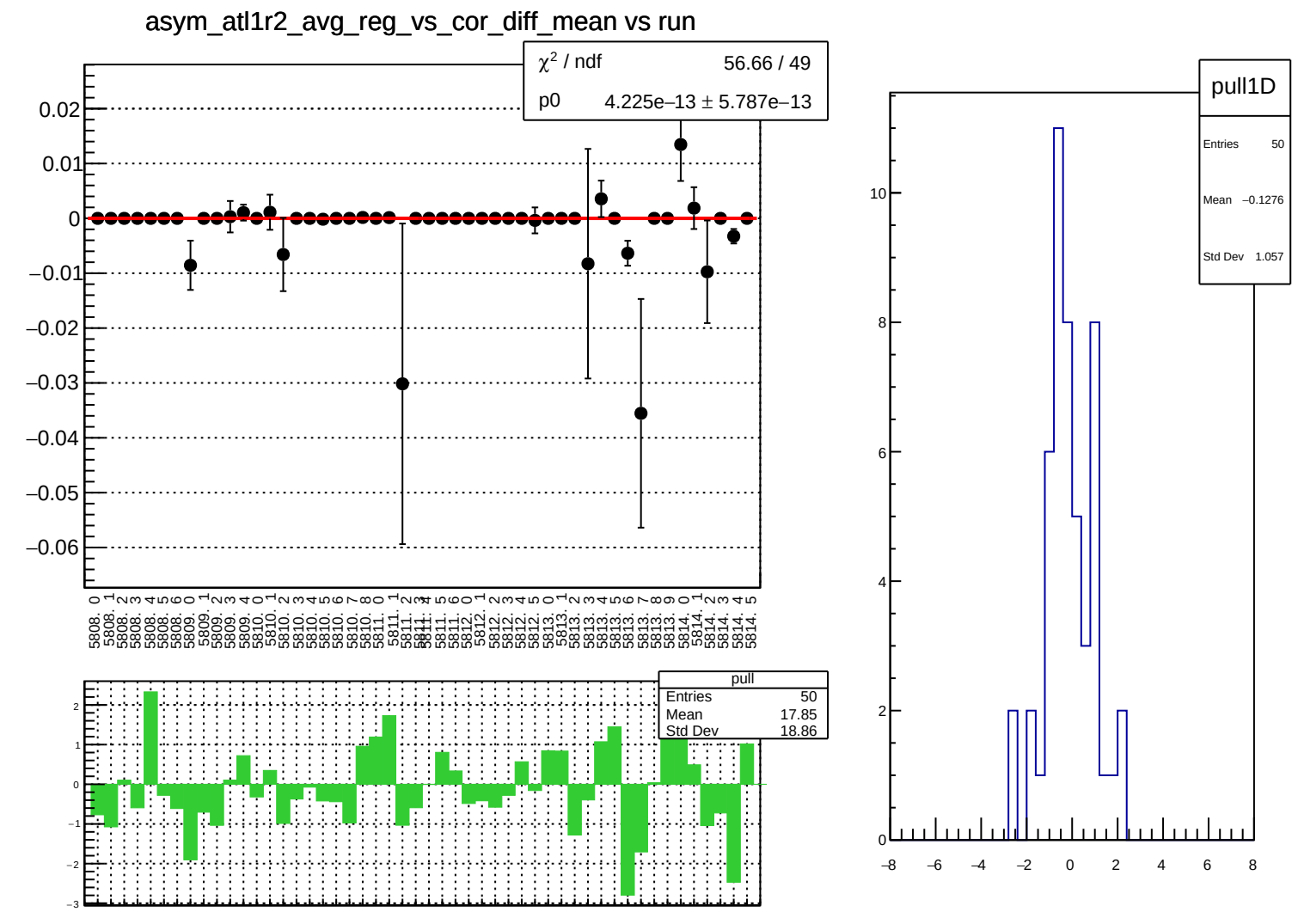
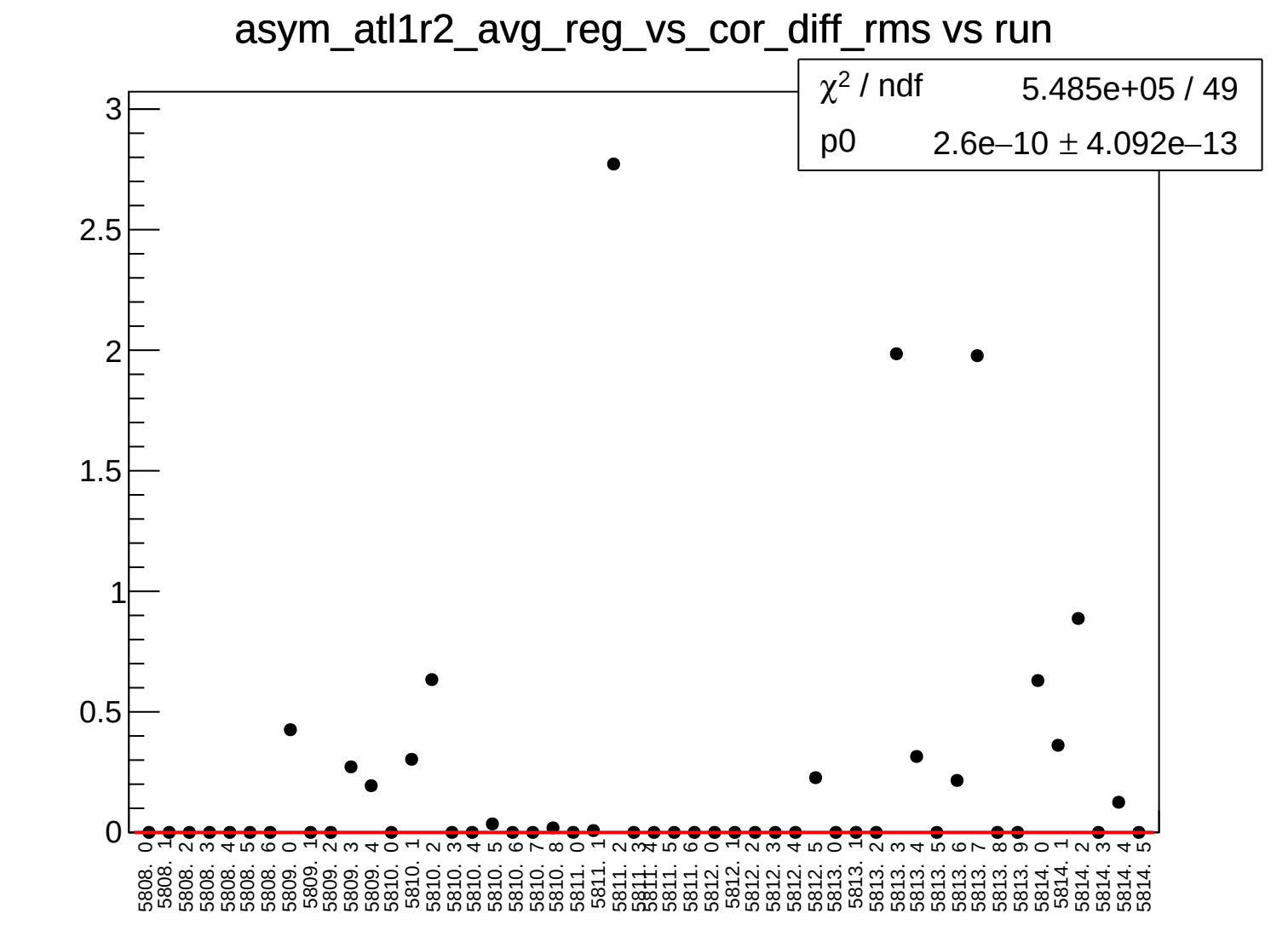
5814. 5


asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.66 / 49
p0 4.225e−13 ± 5.787e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
−0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 17.85
Std Dev 18.86
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.1276
Std Dev 1.057
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.485e+05 / 49
p0 2.6e−10 ± 4.092e−13
3
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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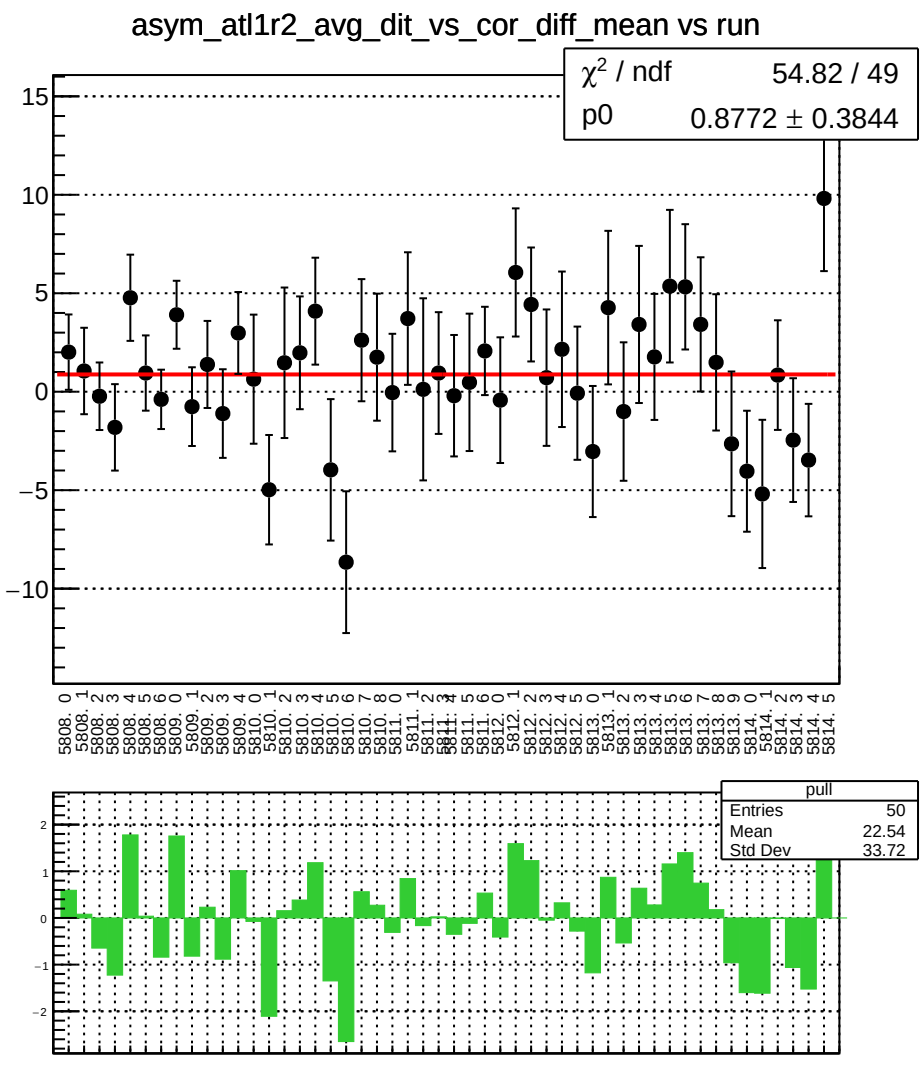
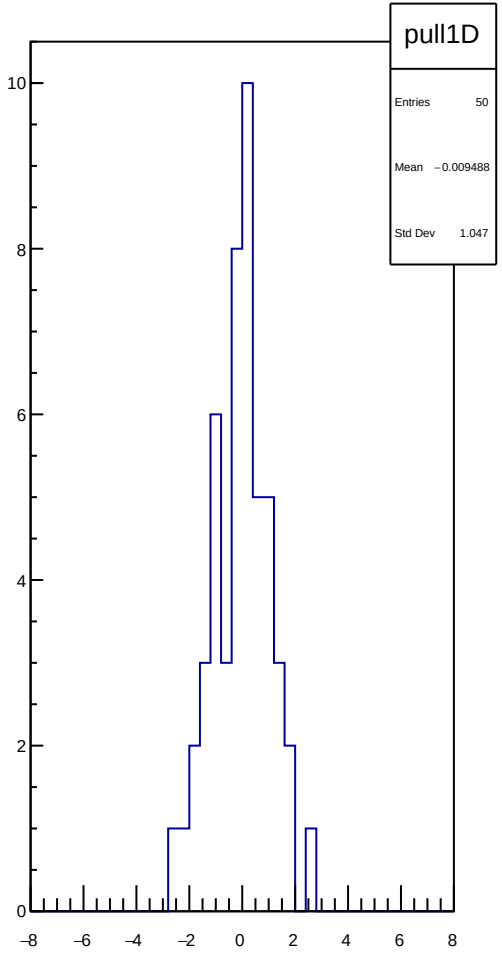
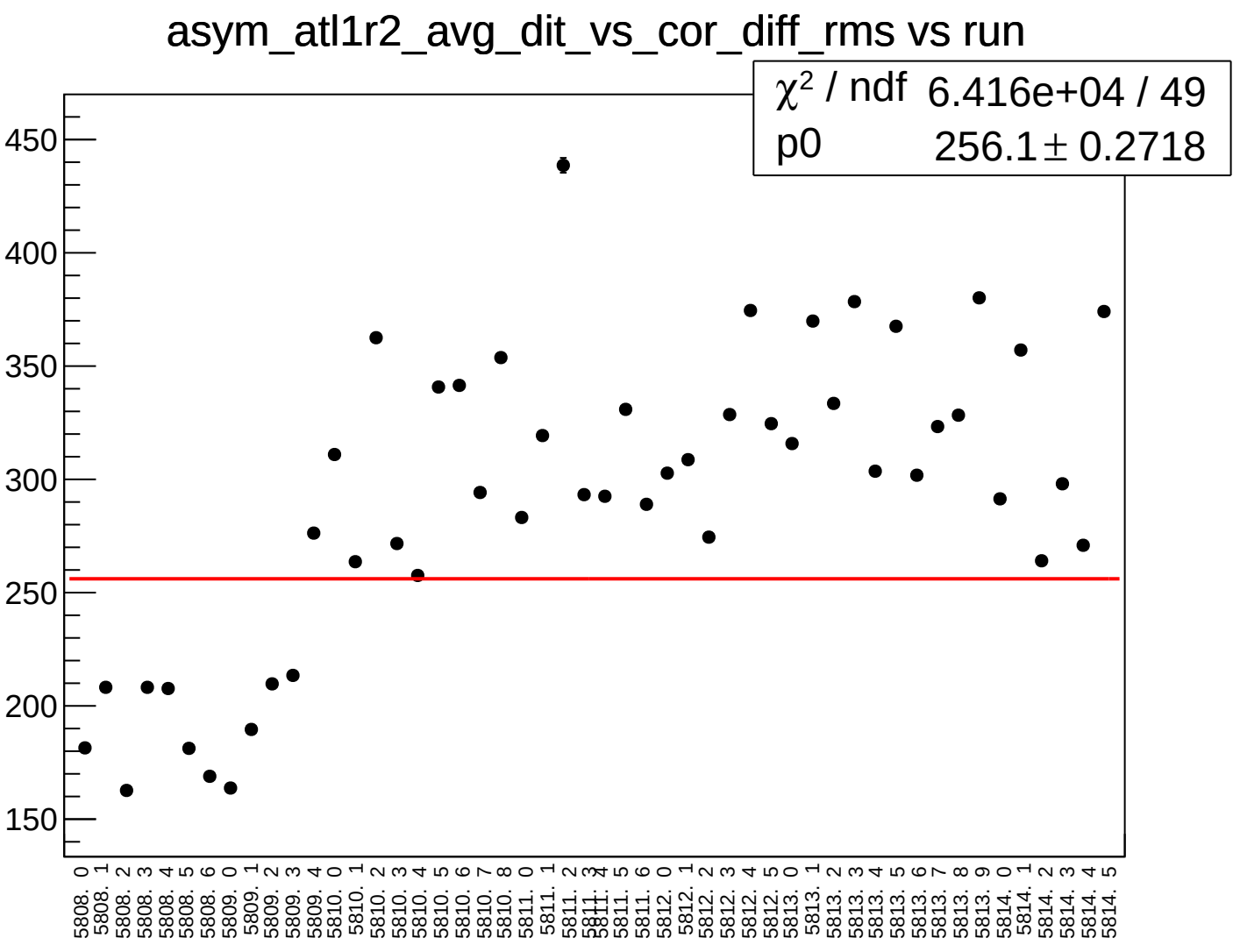
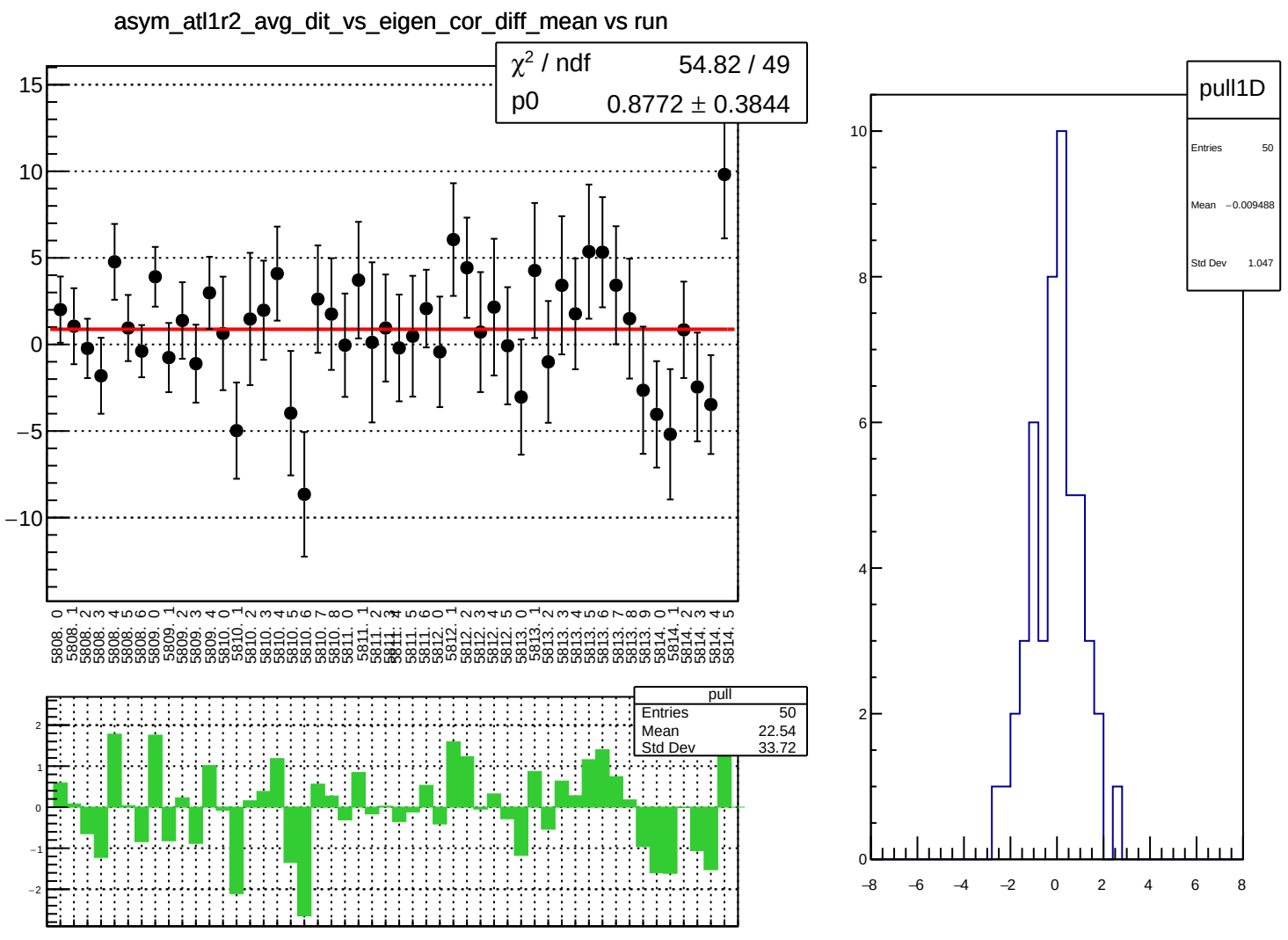
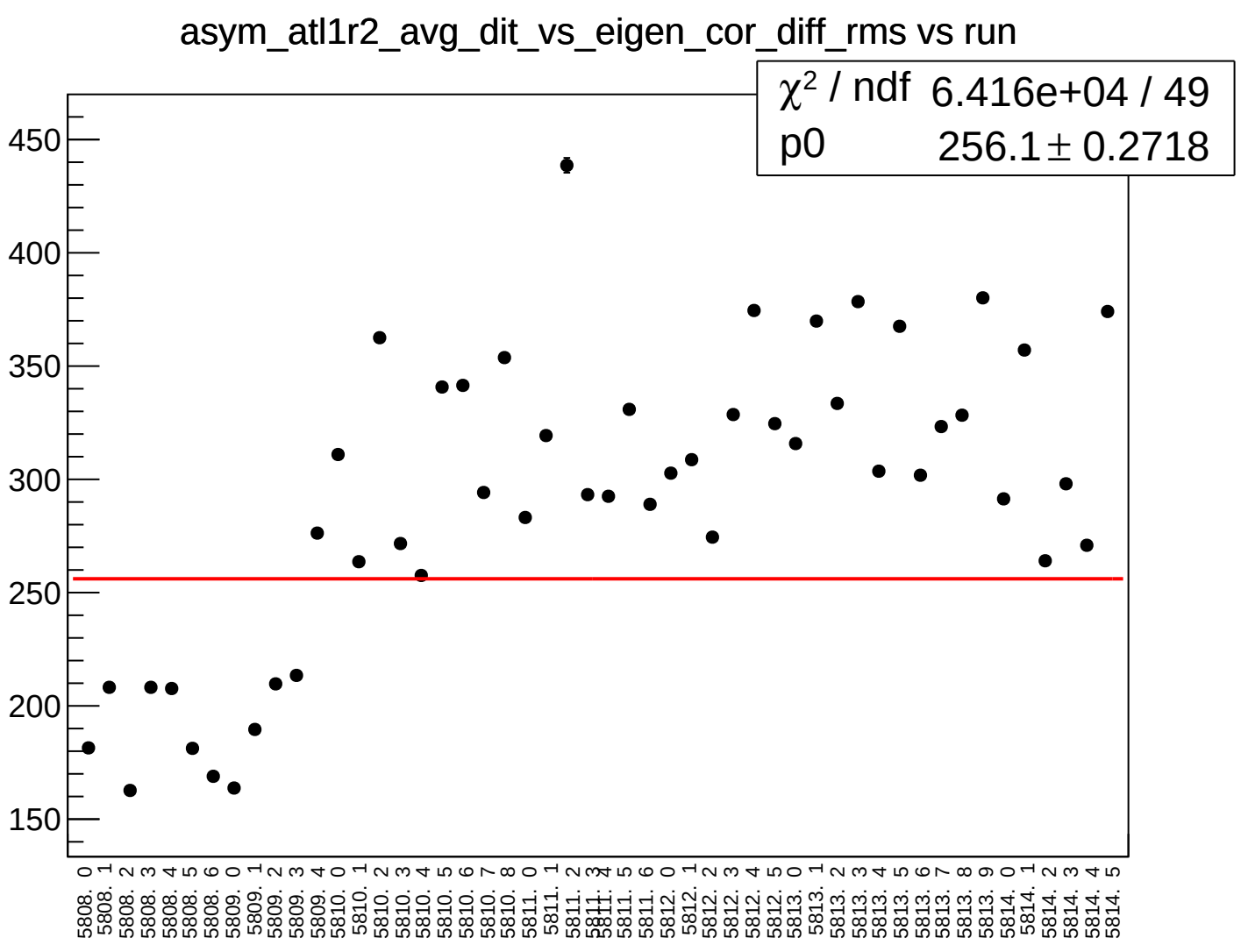
5814. 5

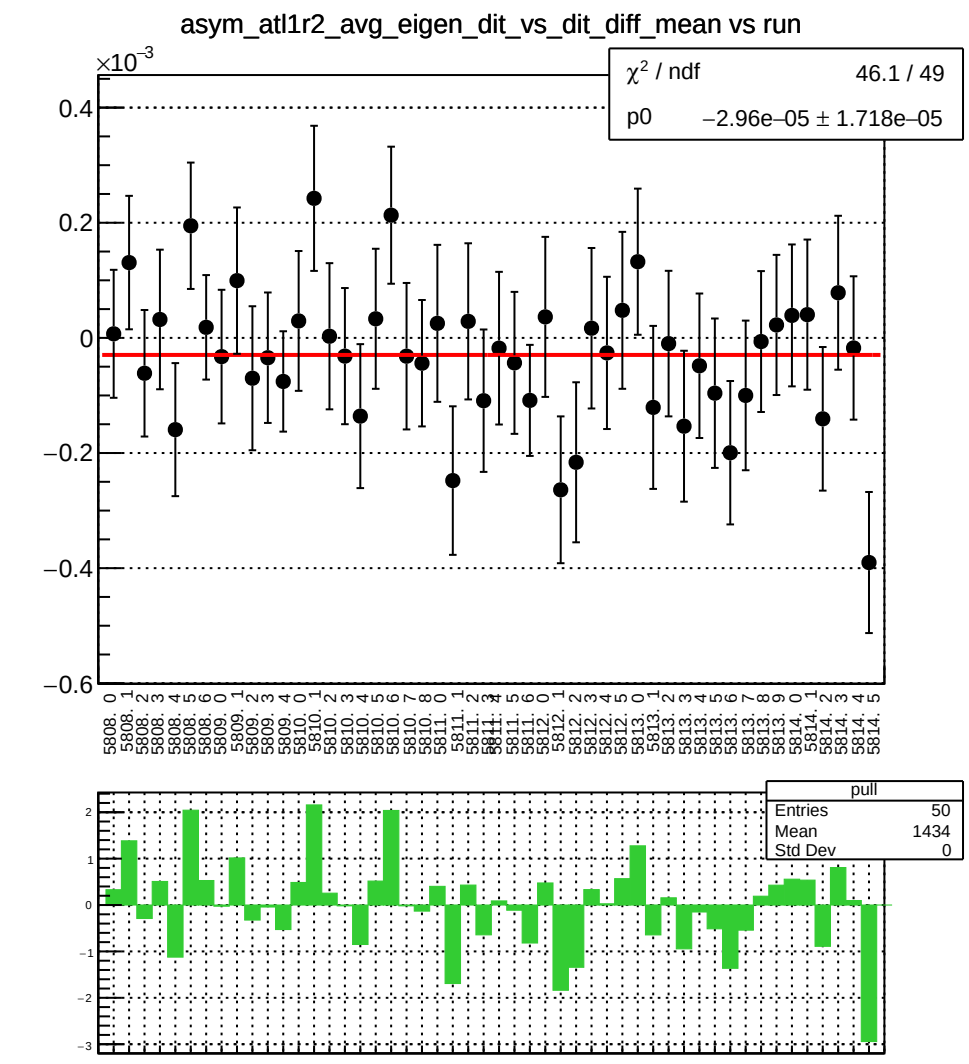

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.82 / 49
p0 0.8772 ± 0.3844
pull
Entries 50
Mean 22.54
Std Dev 33.72

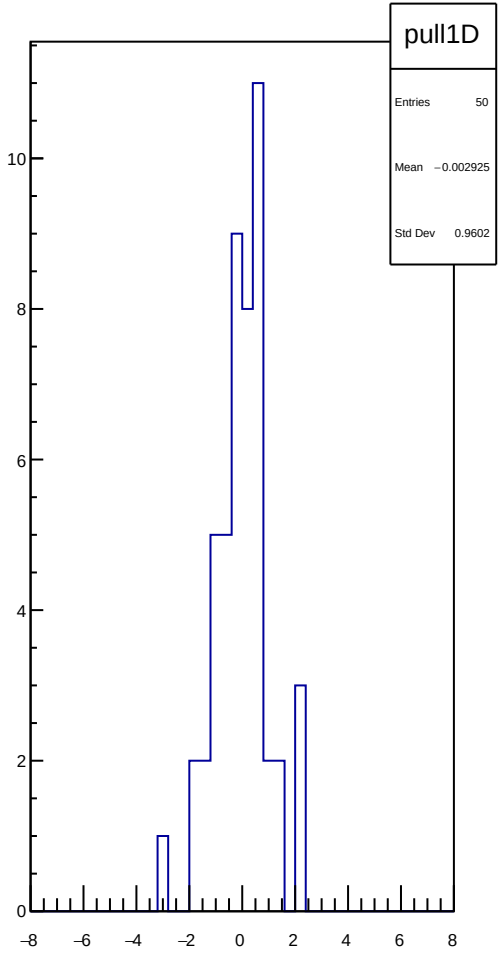

pull1D
Entries 50
Mean −0.009488
Std Dev 1.047

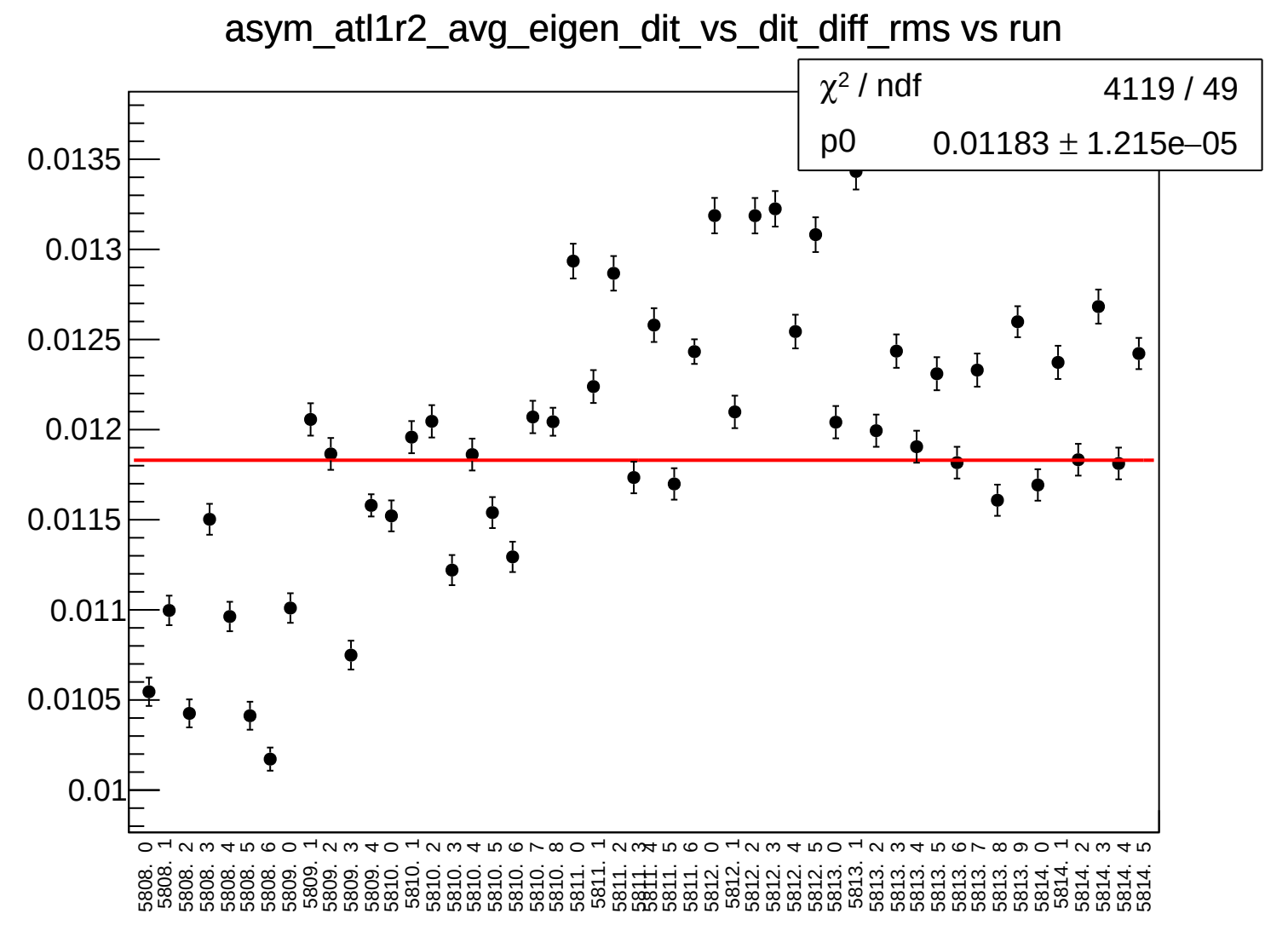

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 6.416e+04 / 49
p0 256.1 ± 0.2718
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

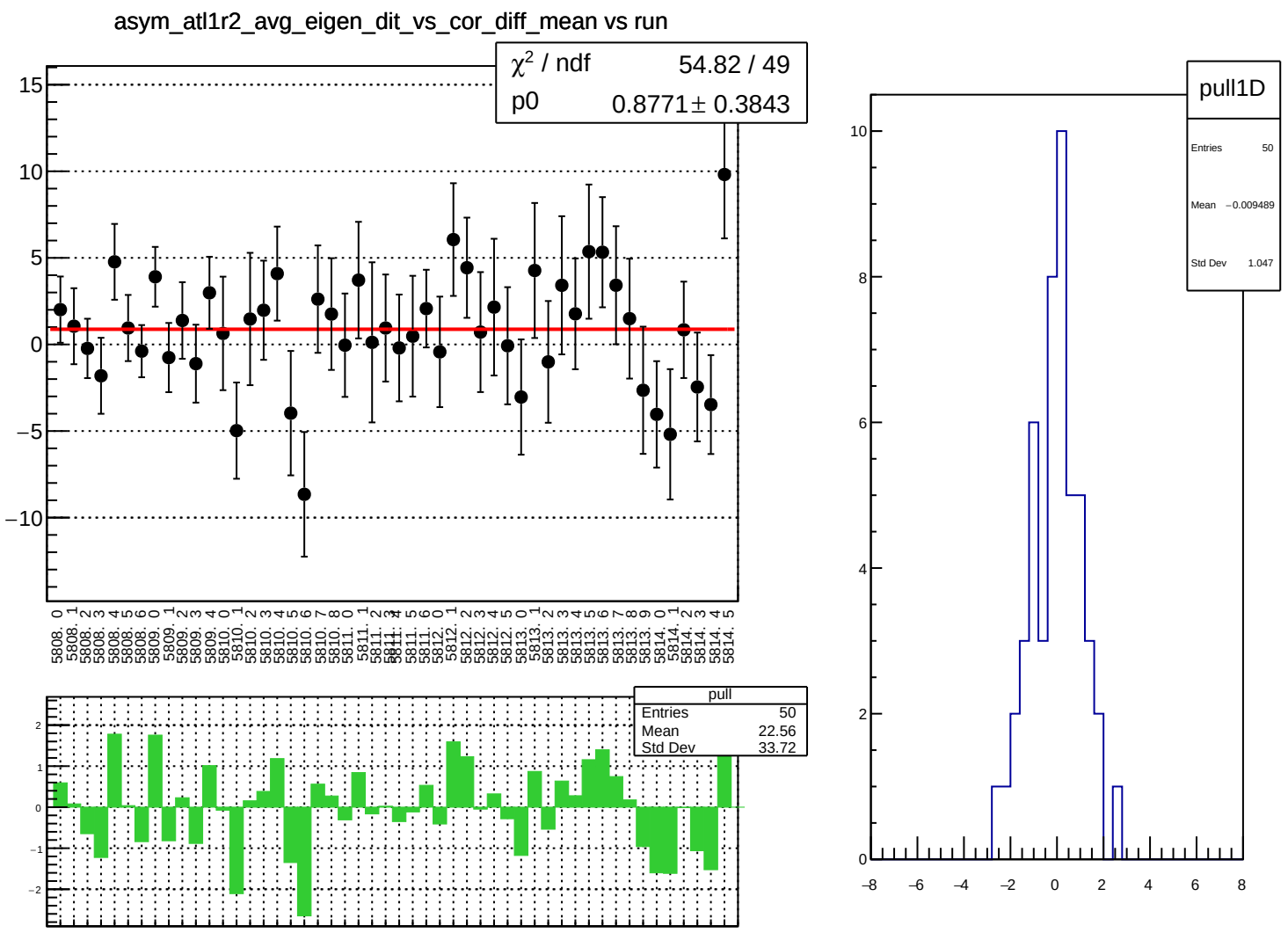

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.82 / 49
p0 0.8772 ± 0.3844
15
10
5
0
−5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 22.54
Std Dev 33.72
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.009488
Std Dev 1.047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

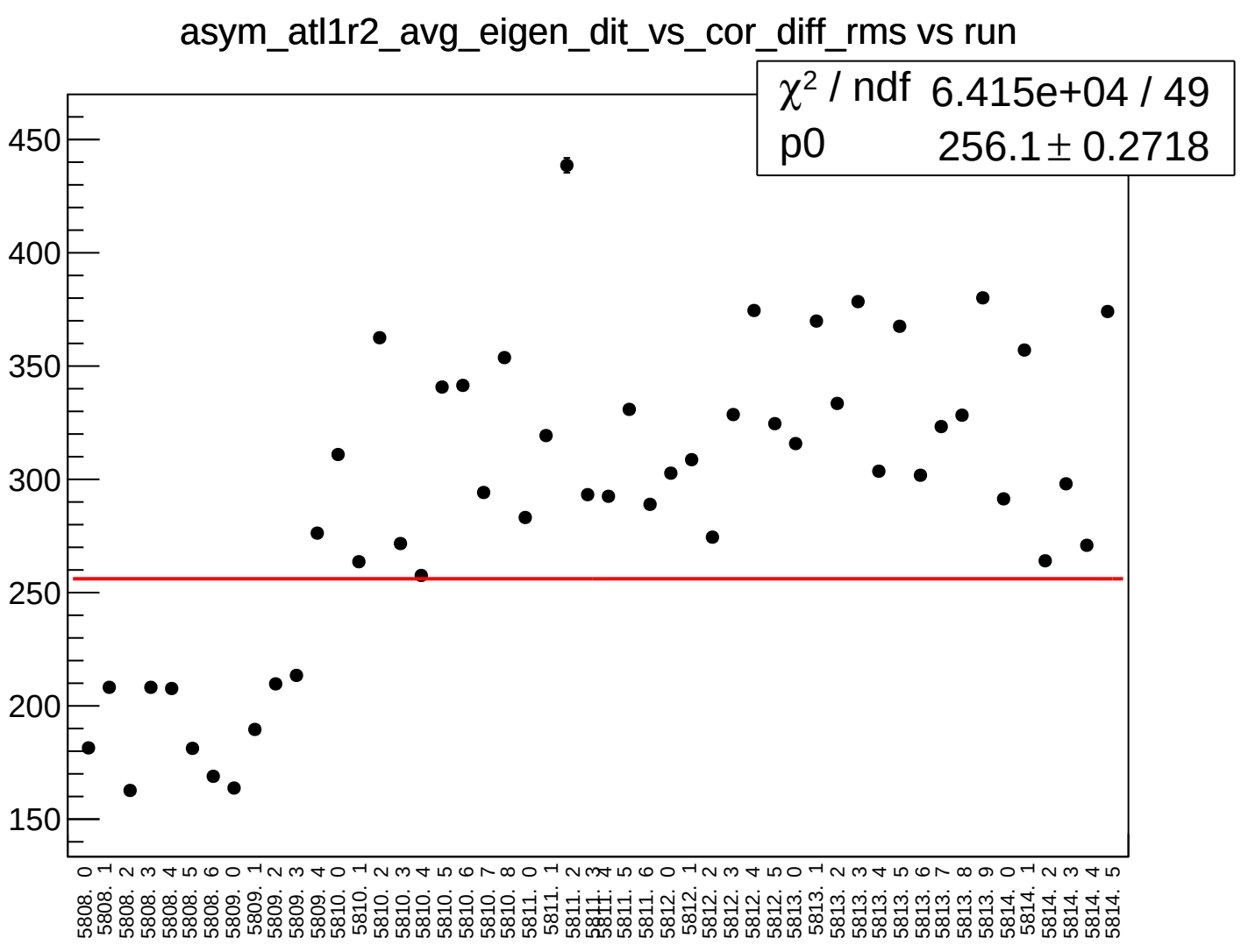

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.416e+04 / 49
p0 256.1 ± 0.2718
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

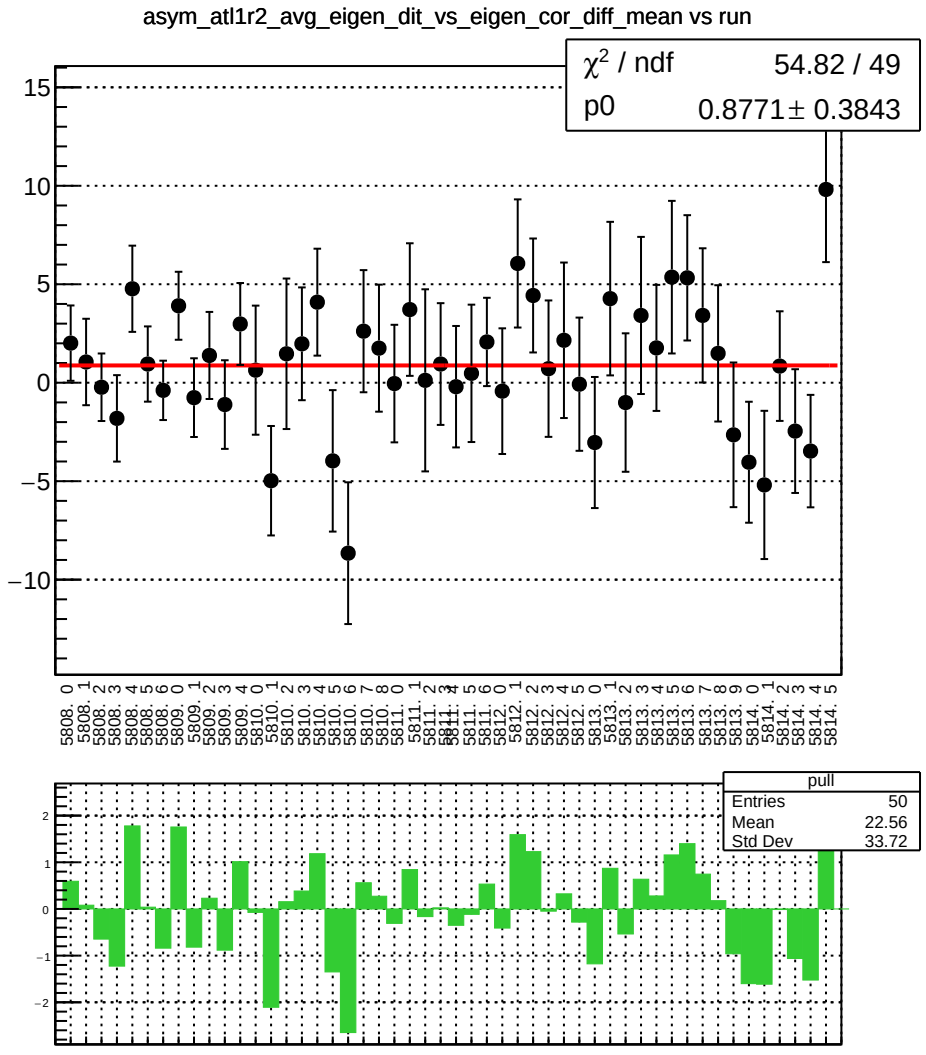

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 46.1 / 49
p0 −2.96e−05 ± 1.718e−05
pull
Entries 50
Mean 1434
Std Dev 0

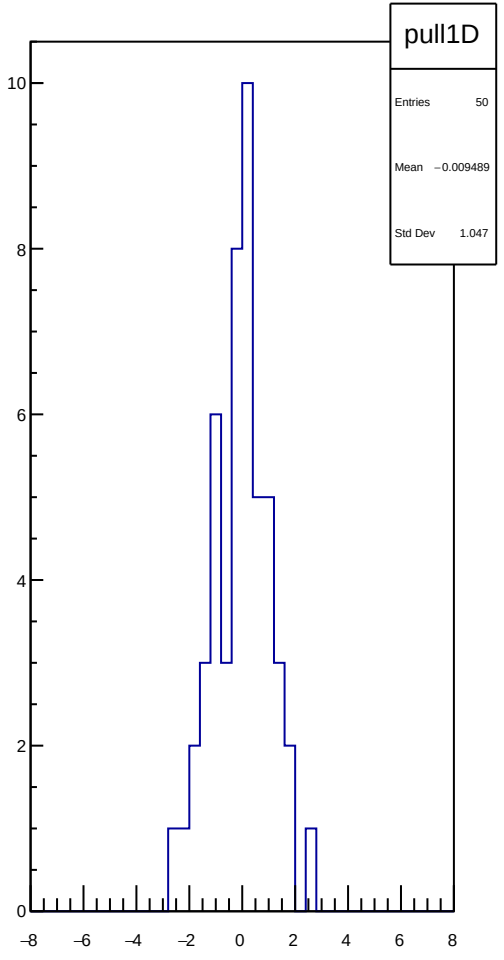

pull1D
Entries 50
Mean −0.002925
Std Dev 0.9602

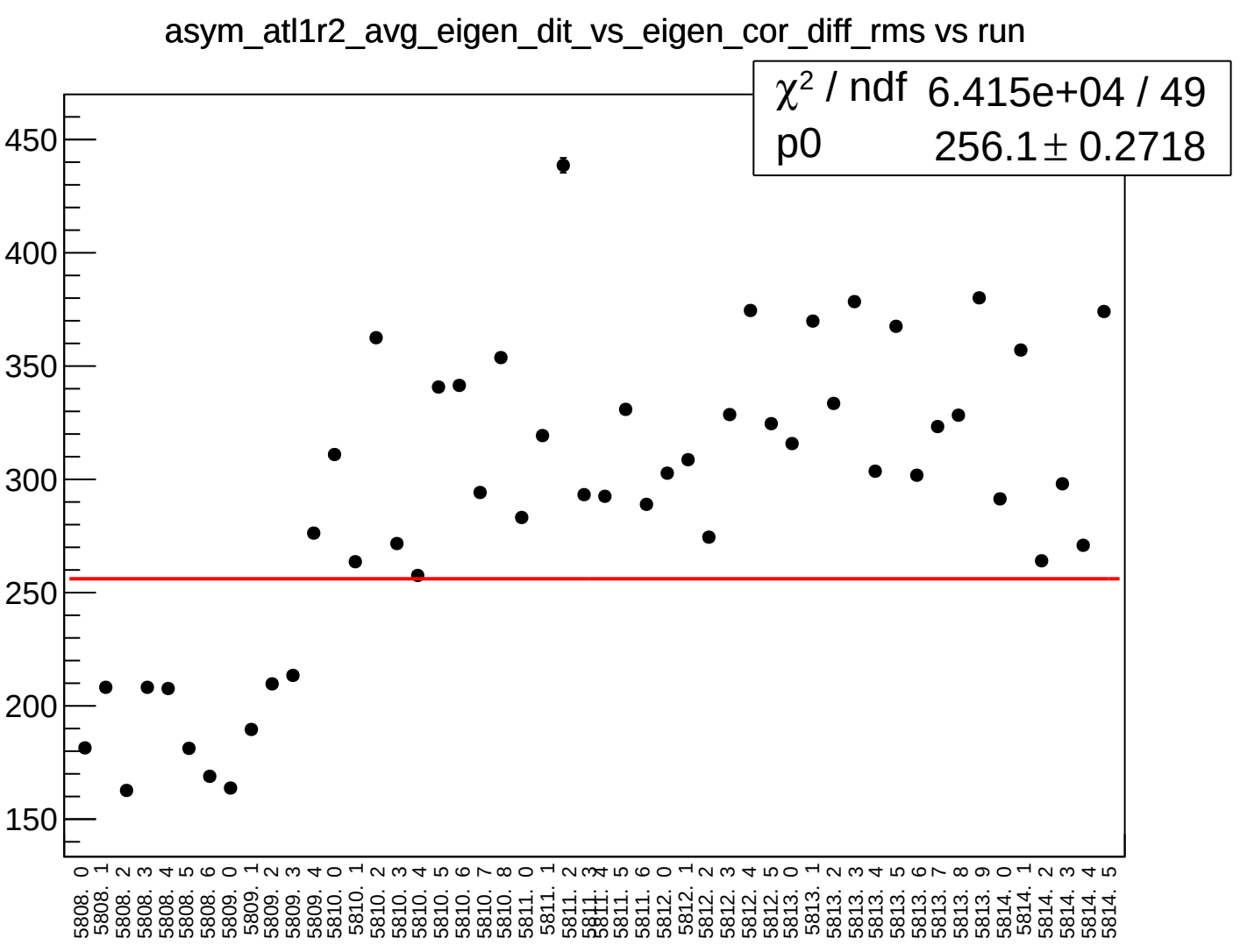

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4119 / 49
p0 0.01183 ± 1.215e−05
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

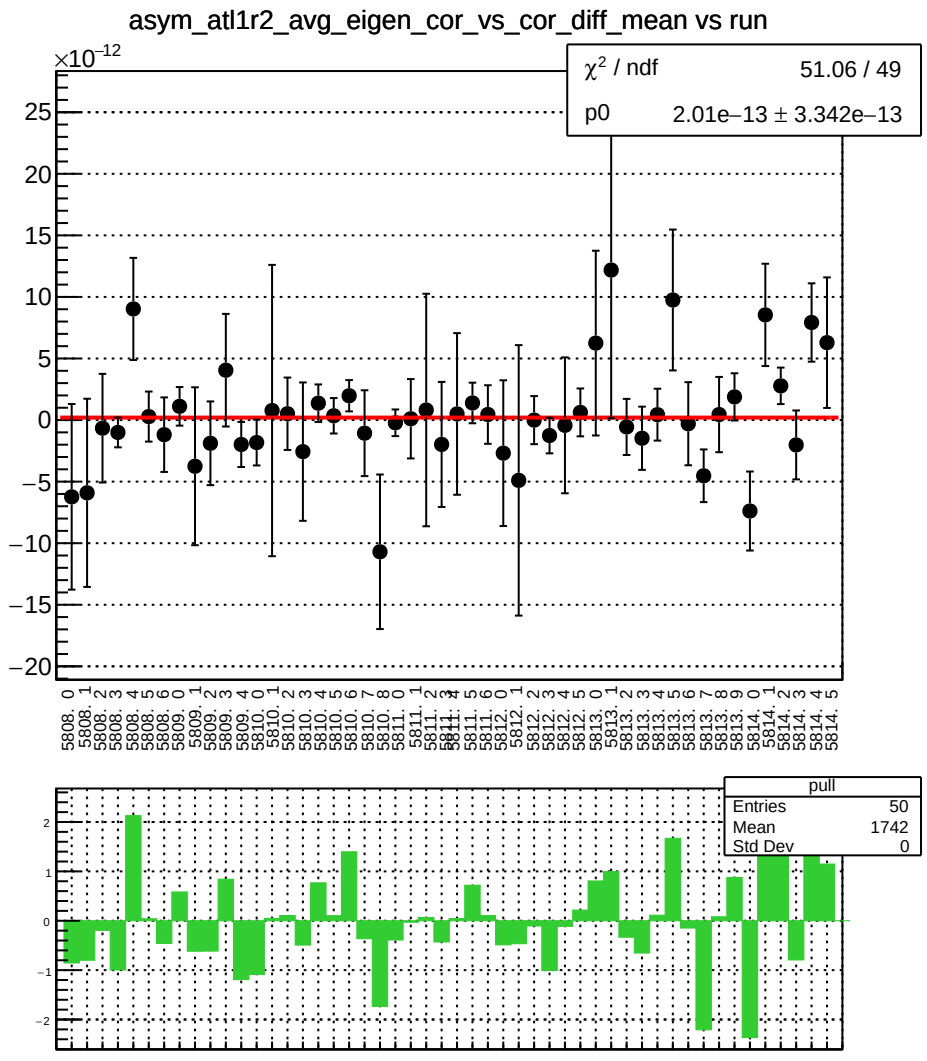

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.82 / 49
p0 0.8771± 0.3843
pull
Entries 50
Mean 22.56
Std Dev 33.72
pull1D
Entries 50
Mean −0.009489
Std Dev 1.047

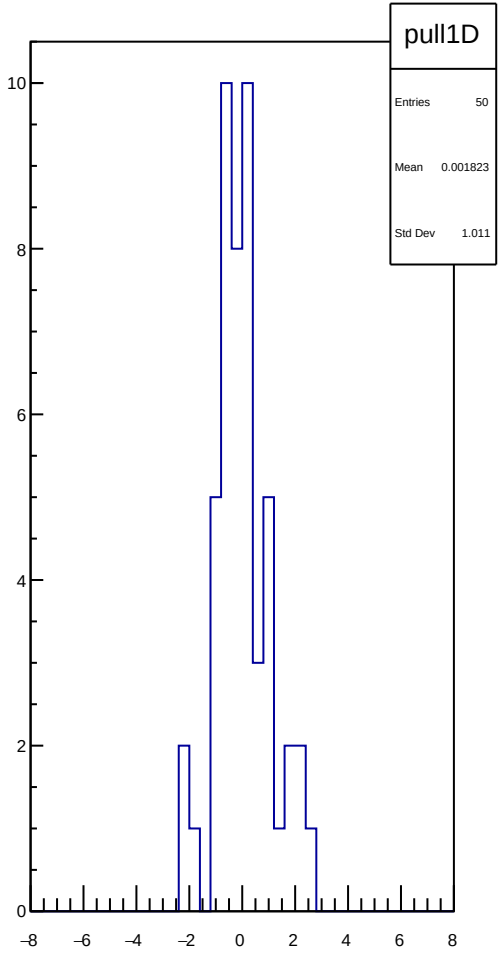

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.415e+04 / 49
p0 256.1 ± 0.2718
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

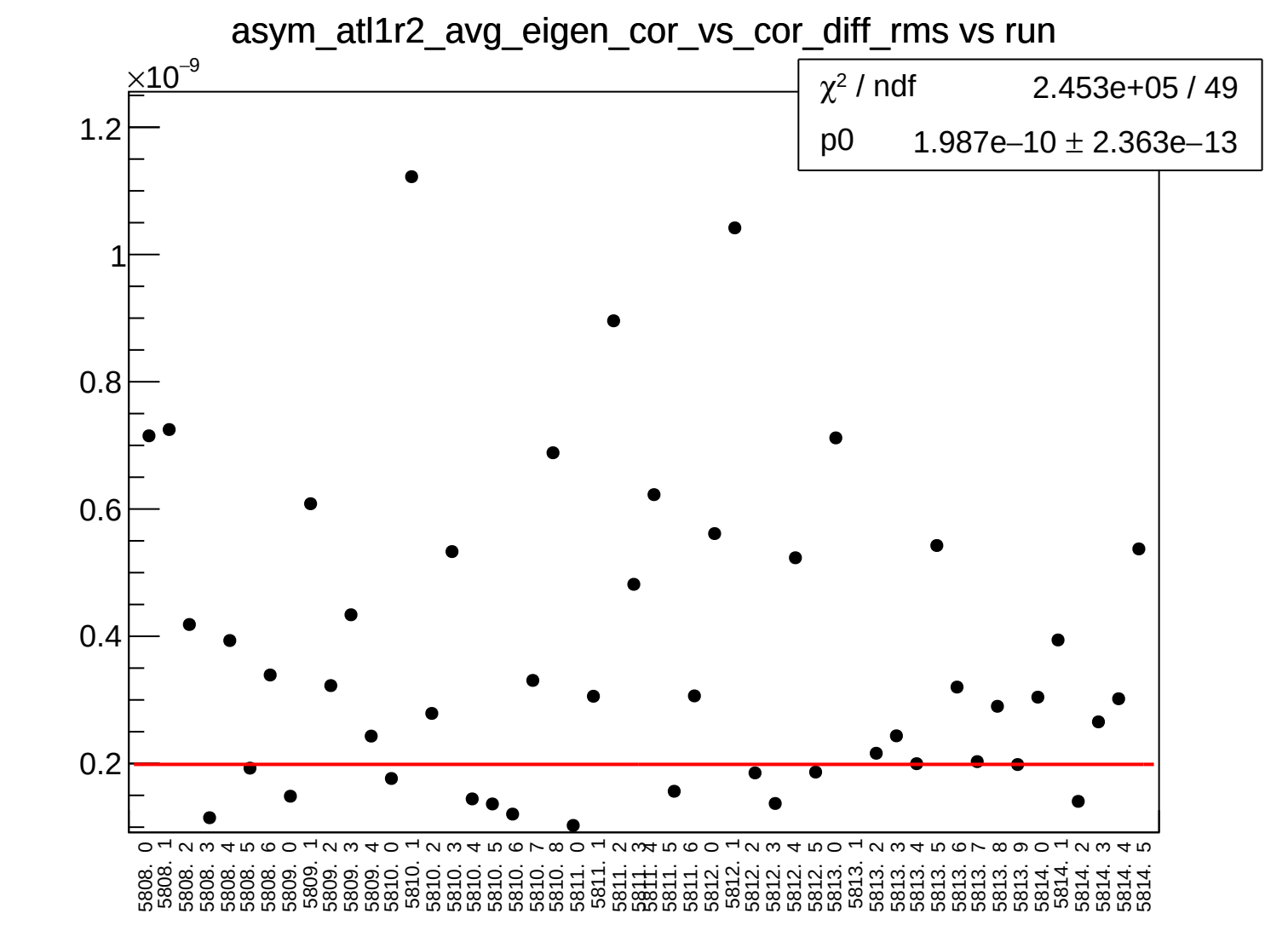

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.82 / 49
p0 0.8771± 0.3843
pull
Entries 50
Mean 22.56
Std Dev 33.72

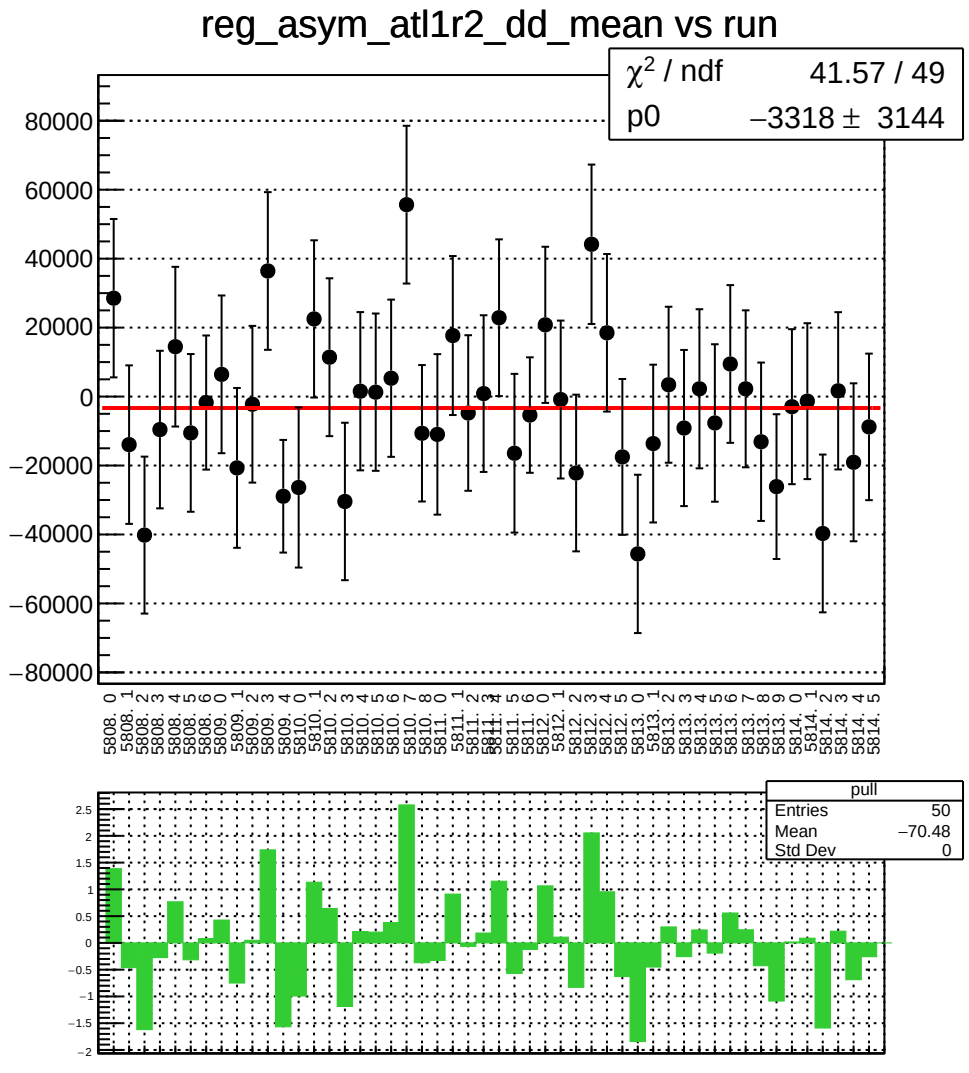

pull1D
Entries 50
Mean −0.009489
Std Dev 1.047

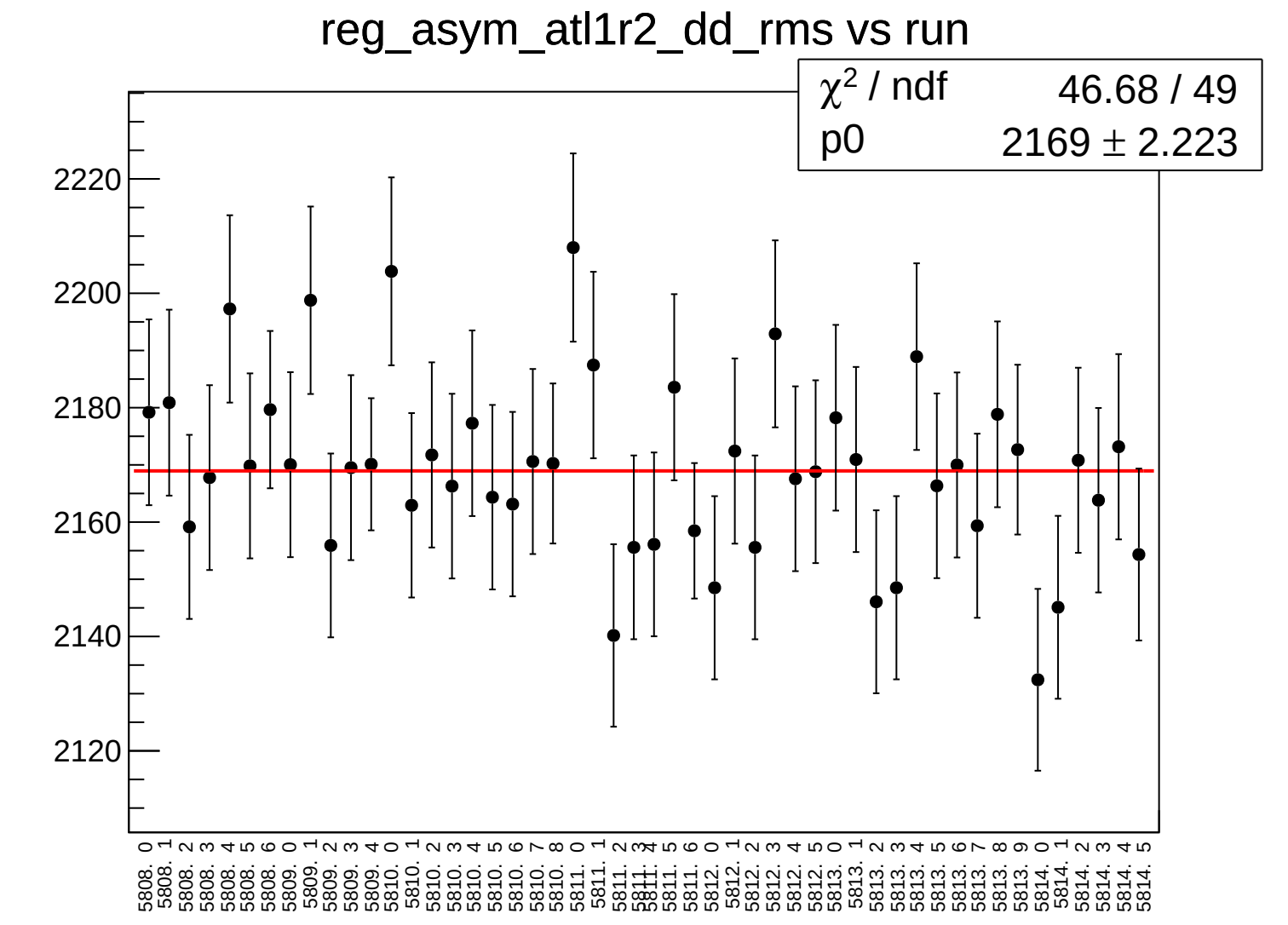

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.415e+04 / 49
p0 256.1 ± 0.2718
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

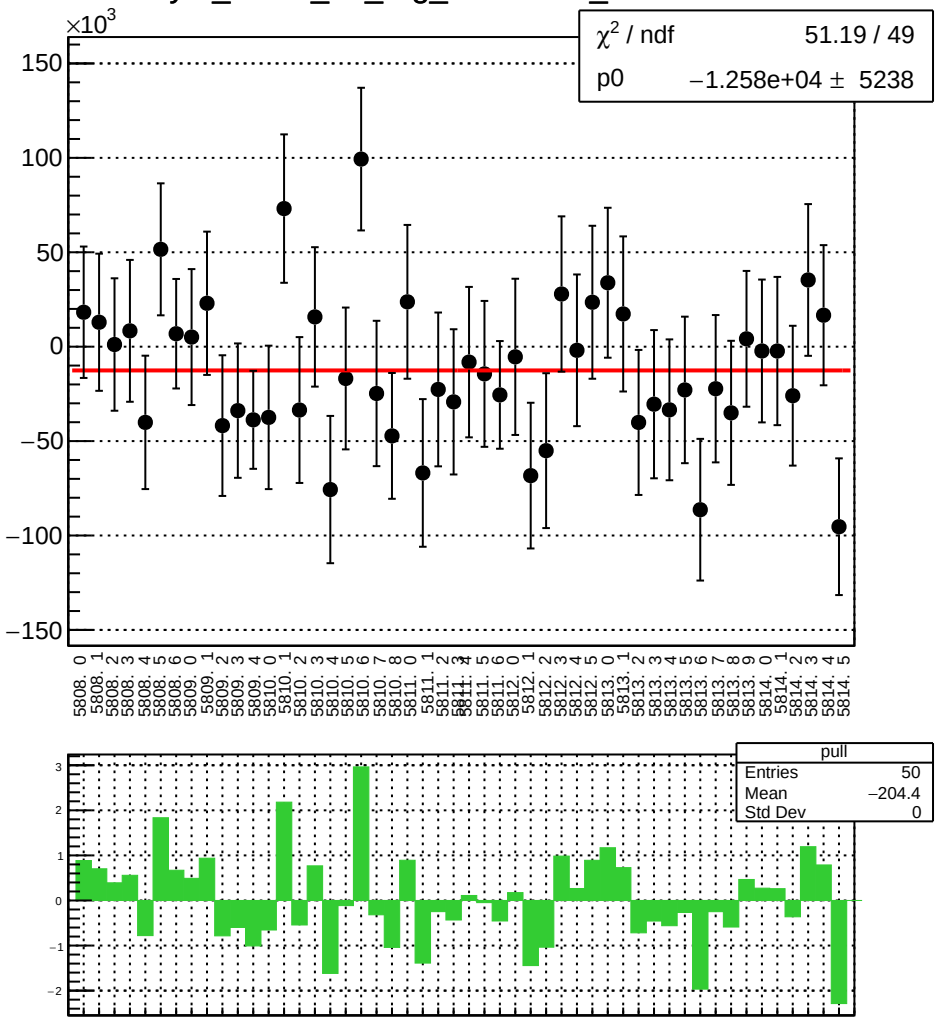

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.06 / 49
p0 2.01e−13 ± 3.342e−13
pull
Entries 50
Mean 1742
Std Dev 0

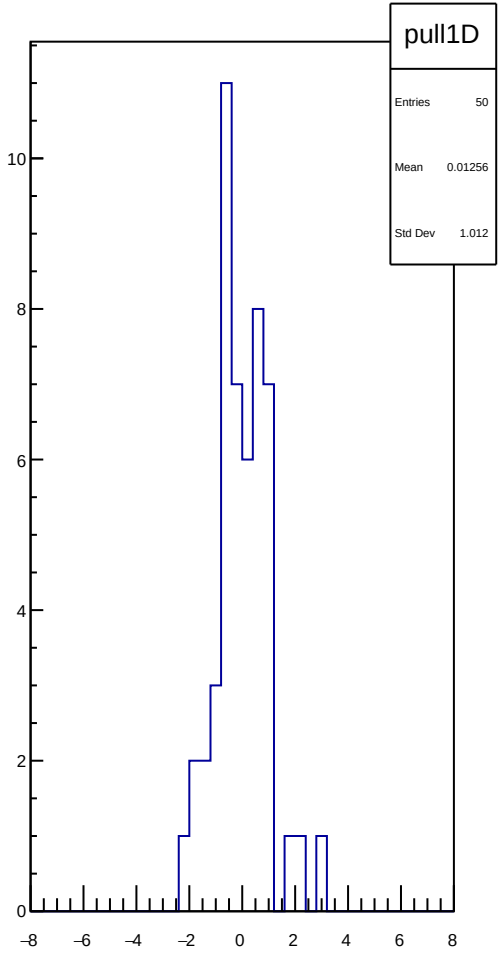

pull1D
Entries 50
Mean 0.001823
Std Dev 1.011

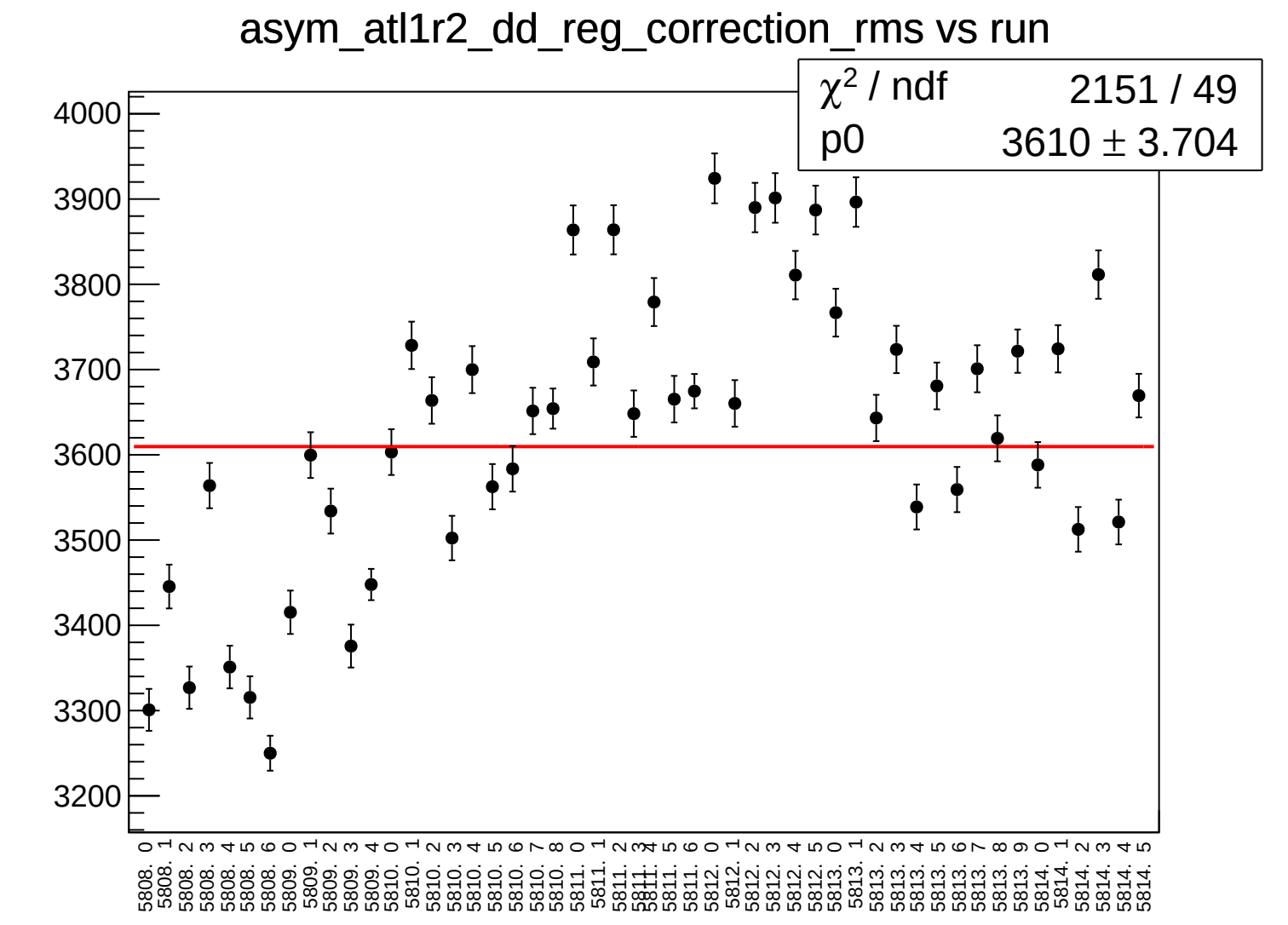

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.453e+05 / 49
p0 1.987e−10 ± 2.363e−13
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

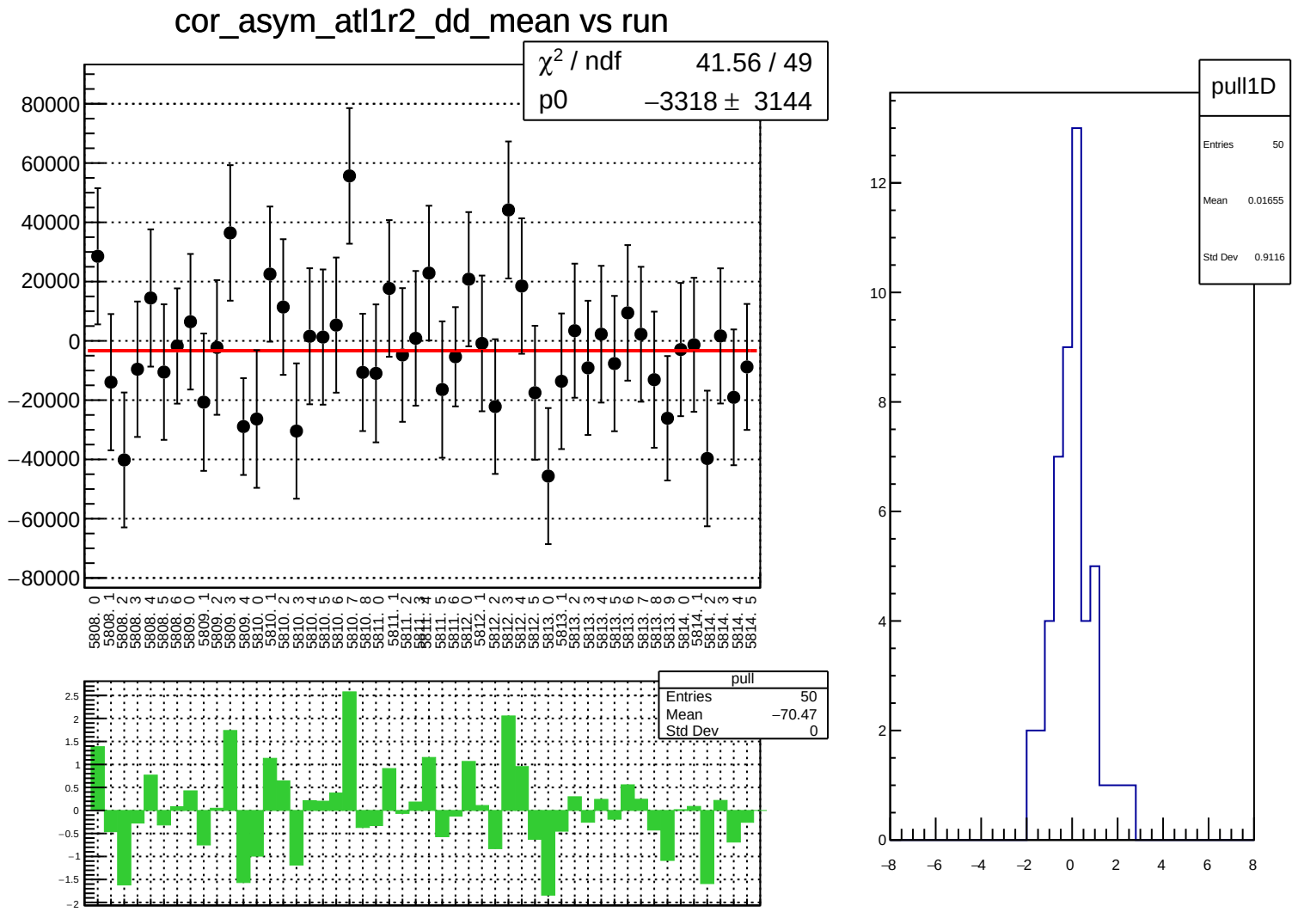

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 41.57 / 49
p0 −3318 ± 3144
pull
Entries 50
Mean −70.48
Std Dev 0
pull1D
Entries 50
Mean 0.01655
Std Dev 0.9116

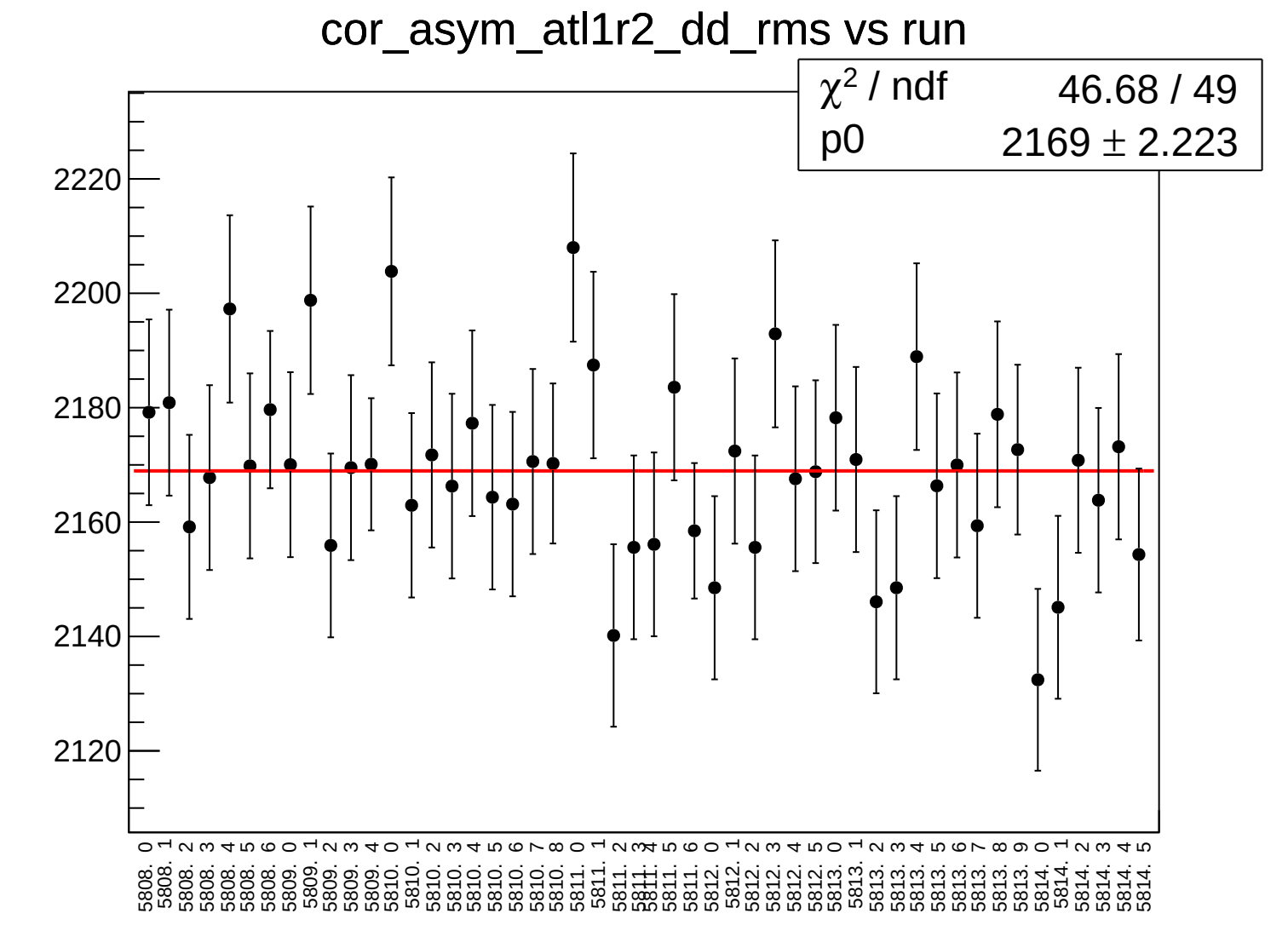

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 46.68 / 49
p0 2169 ± 2.223
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

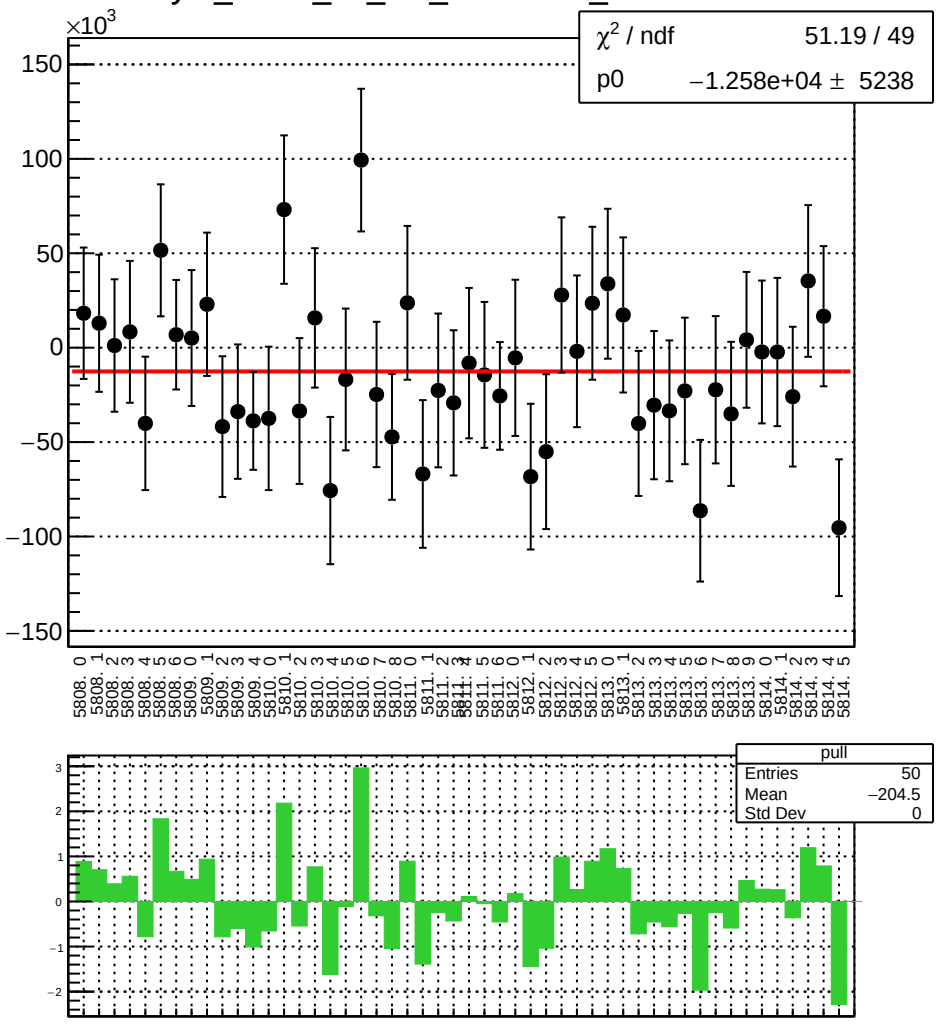

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 51.19 / 49
p0 −1.258e+04 ± 5238
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −204.4
Std Dev 0
3
2
1
0
−1
−2

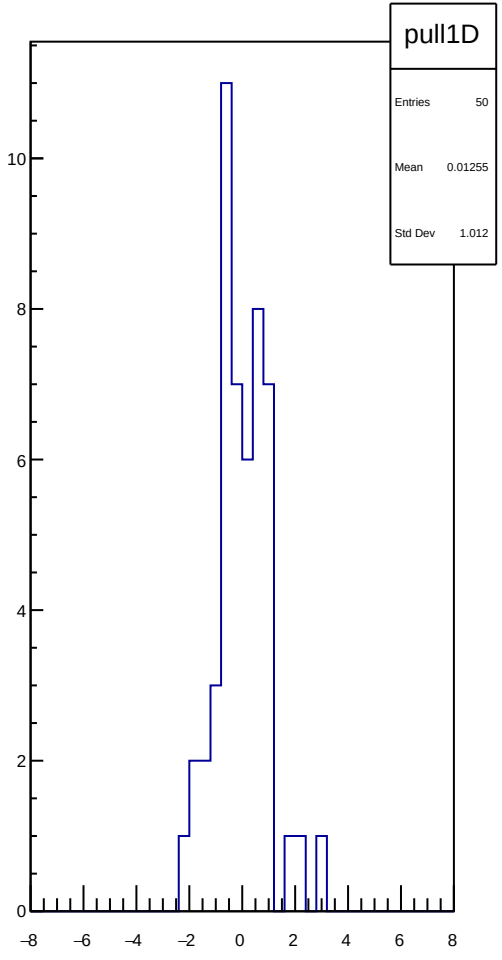

pull1D
Entries 50
Mean 0.01256
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

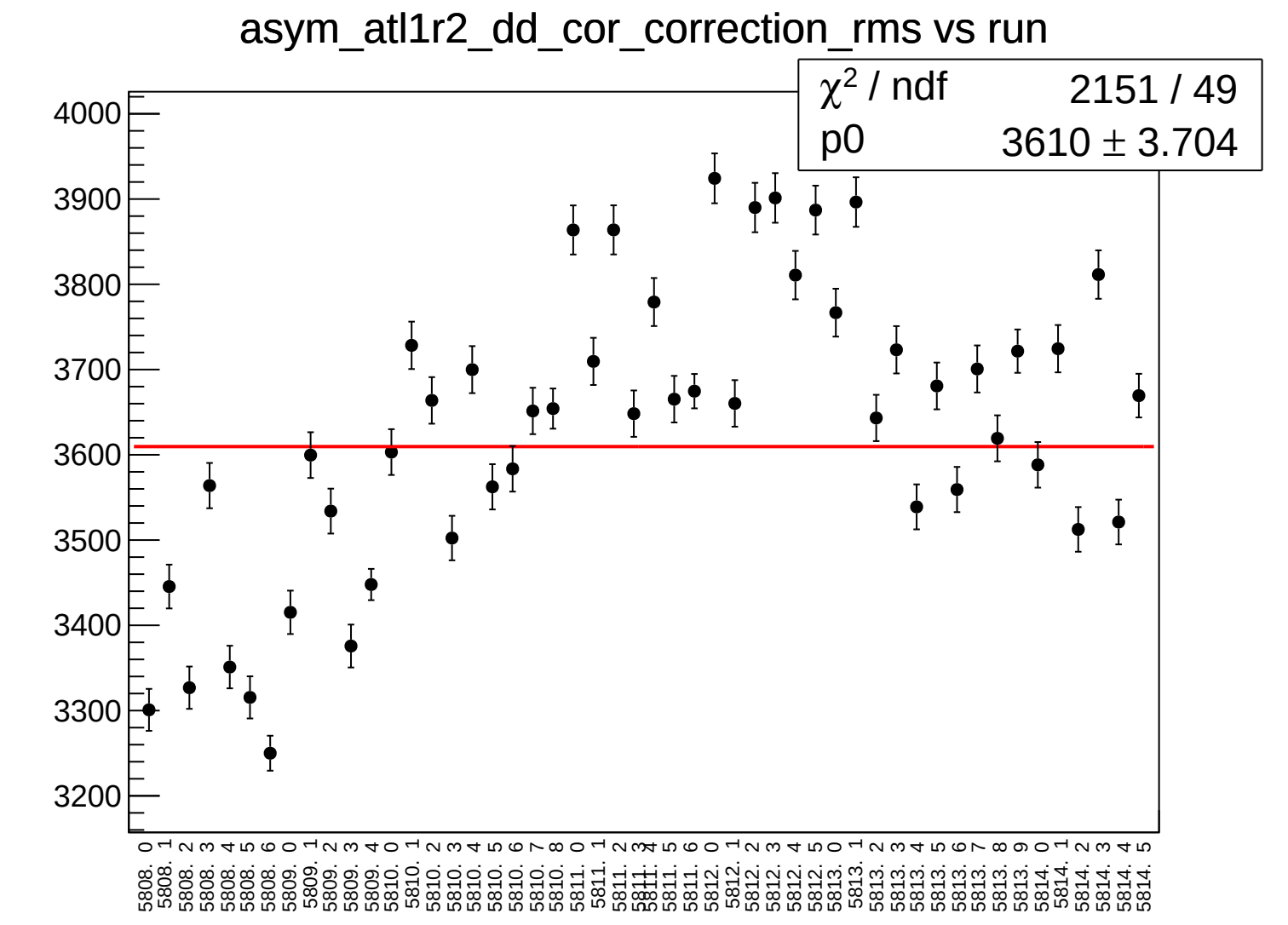

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 2151 / 49
p0 3610 ± 3.704
4000
3900
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

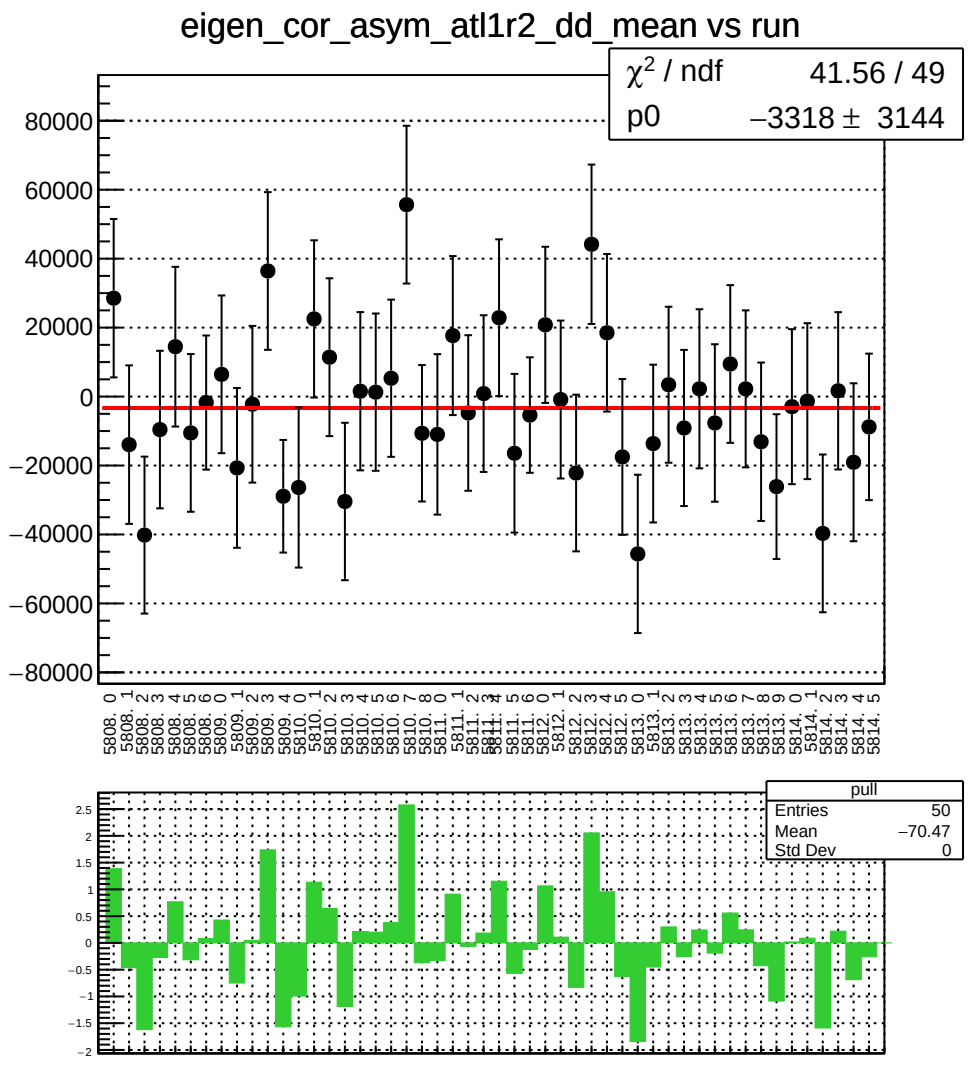

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 41.56 / 49
p0 −3318 ± 3144
pull
Entries 50
Mean −70.47
Std Dev 0
pull1D
Entries 50
Mean 0.01655
Std Dev 0.9116

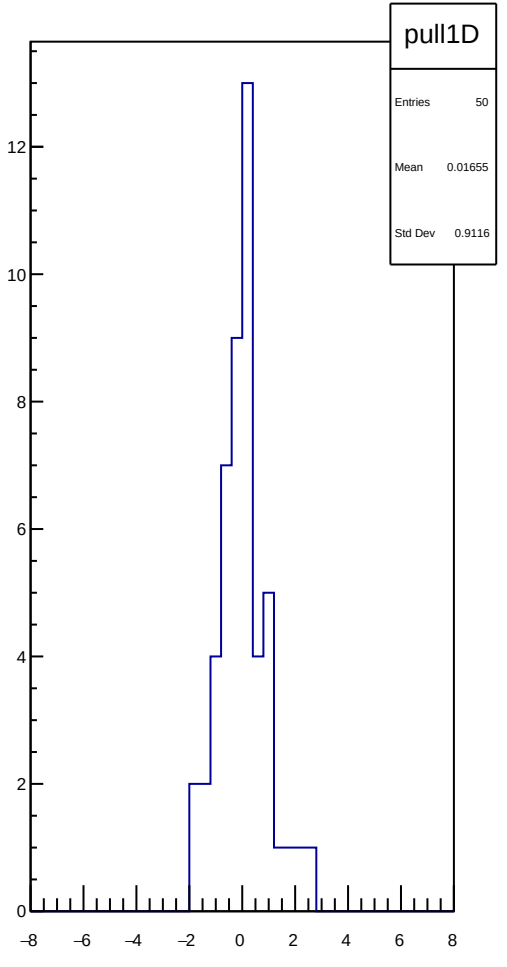

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 46.68 / 49
p0 2169 ± 2.223
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

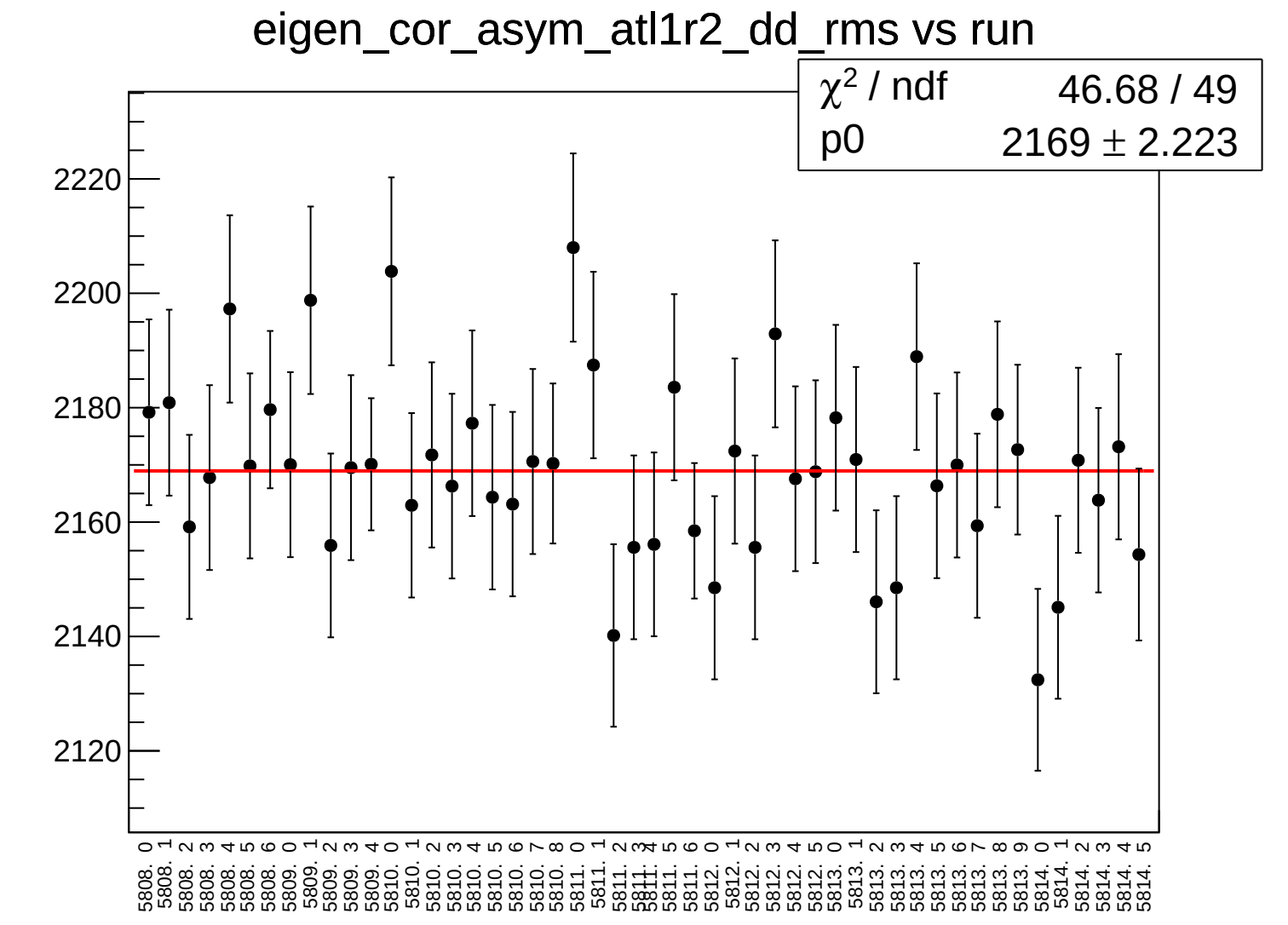

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 51.19 / 49
p0 −1.258e+04 ± 5238
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −204.5
Std Dev 0
3
2
1
0
−1
−2

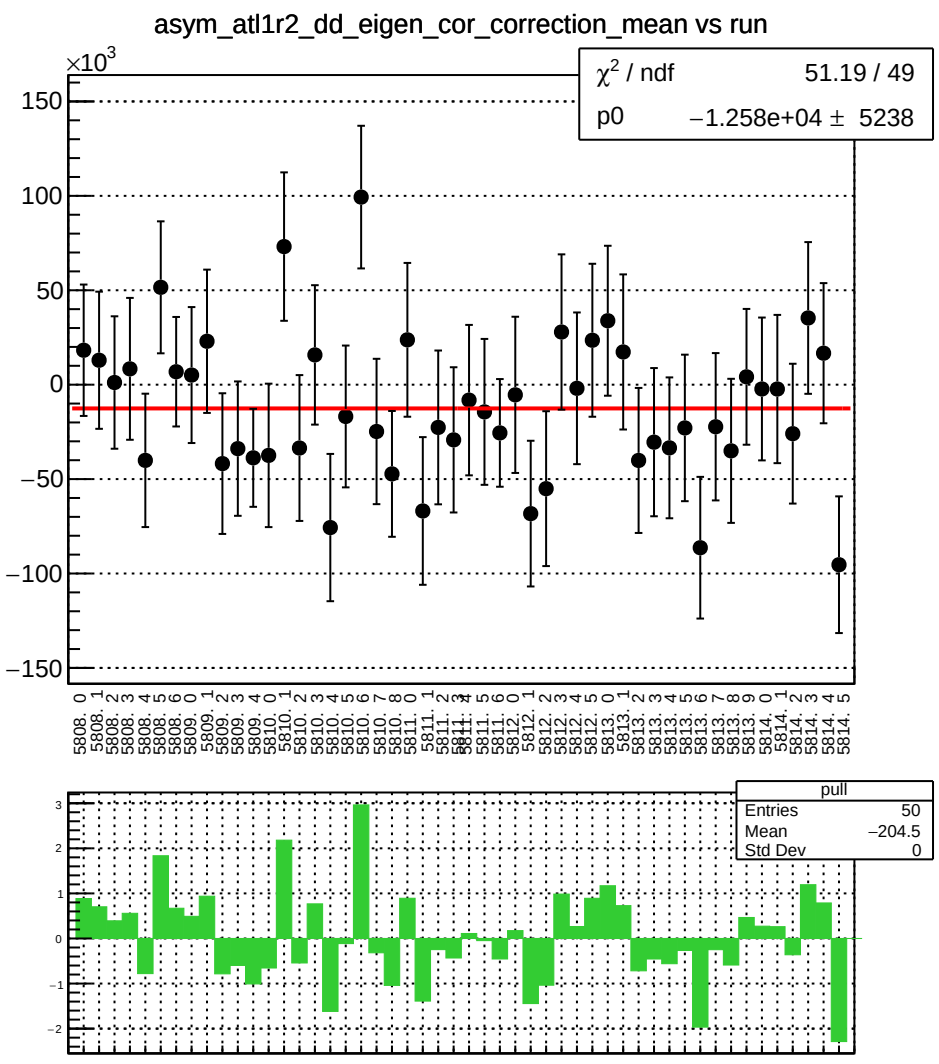

pull1D
Entries 50
Mean 0.01255
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

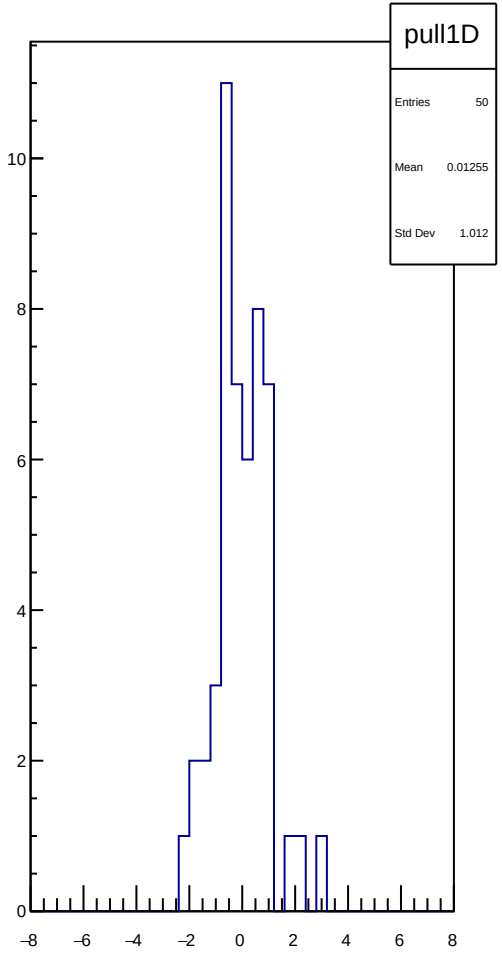

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 2151 / 49
p0 3610 ± 3.704
4000
3900
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

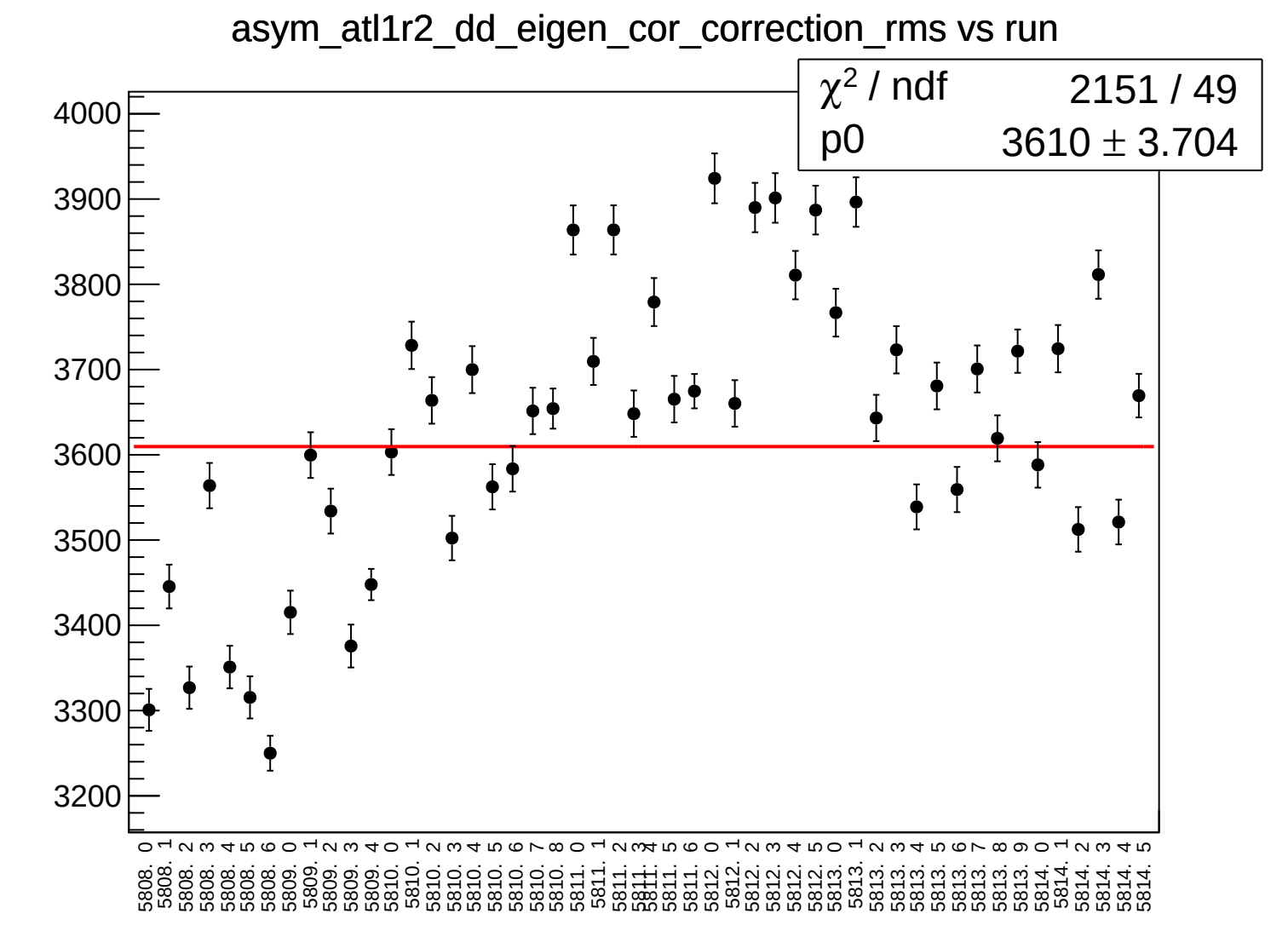

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 41.56 / 49
p0 −3318 ± 3144
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −70.47
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.01655
Std Dev 0.9116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 46.68 / 49
p0 2169 ± 2.223
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 51.19 / 49
p0 −1.258e+04 ± 5238
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −204.5
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01255
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2151 / 49
p0 3610 ± 3.704
4000
3900
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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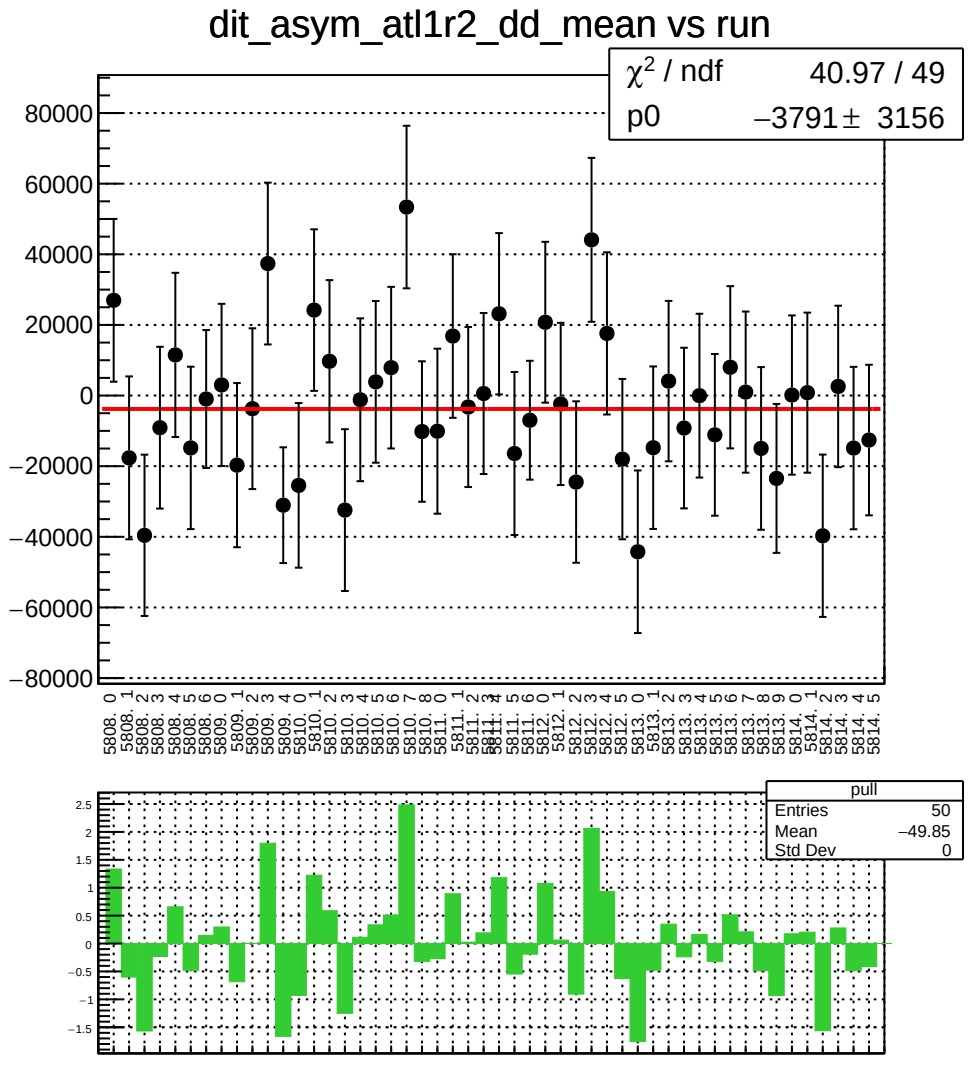
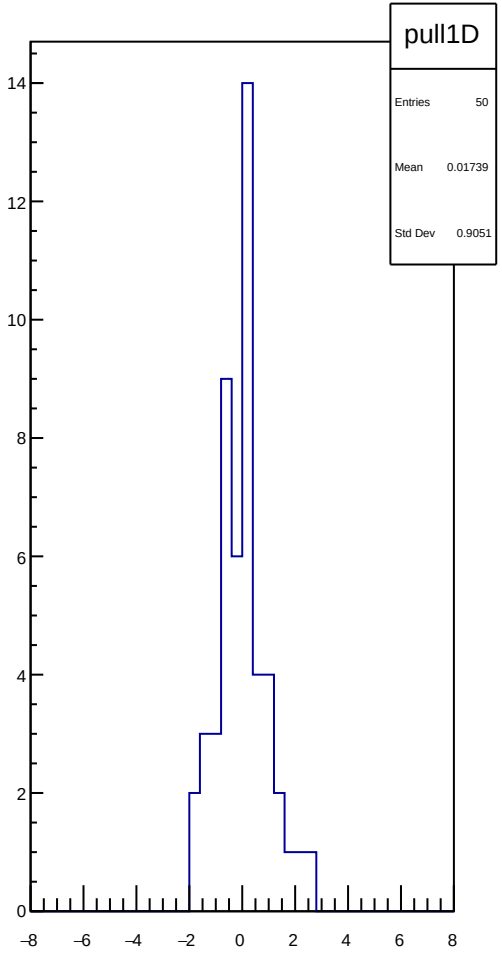
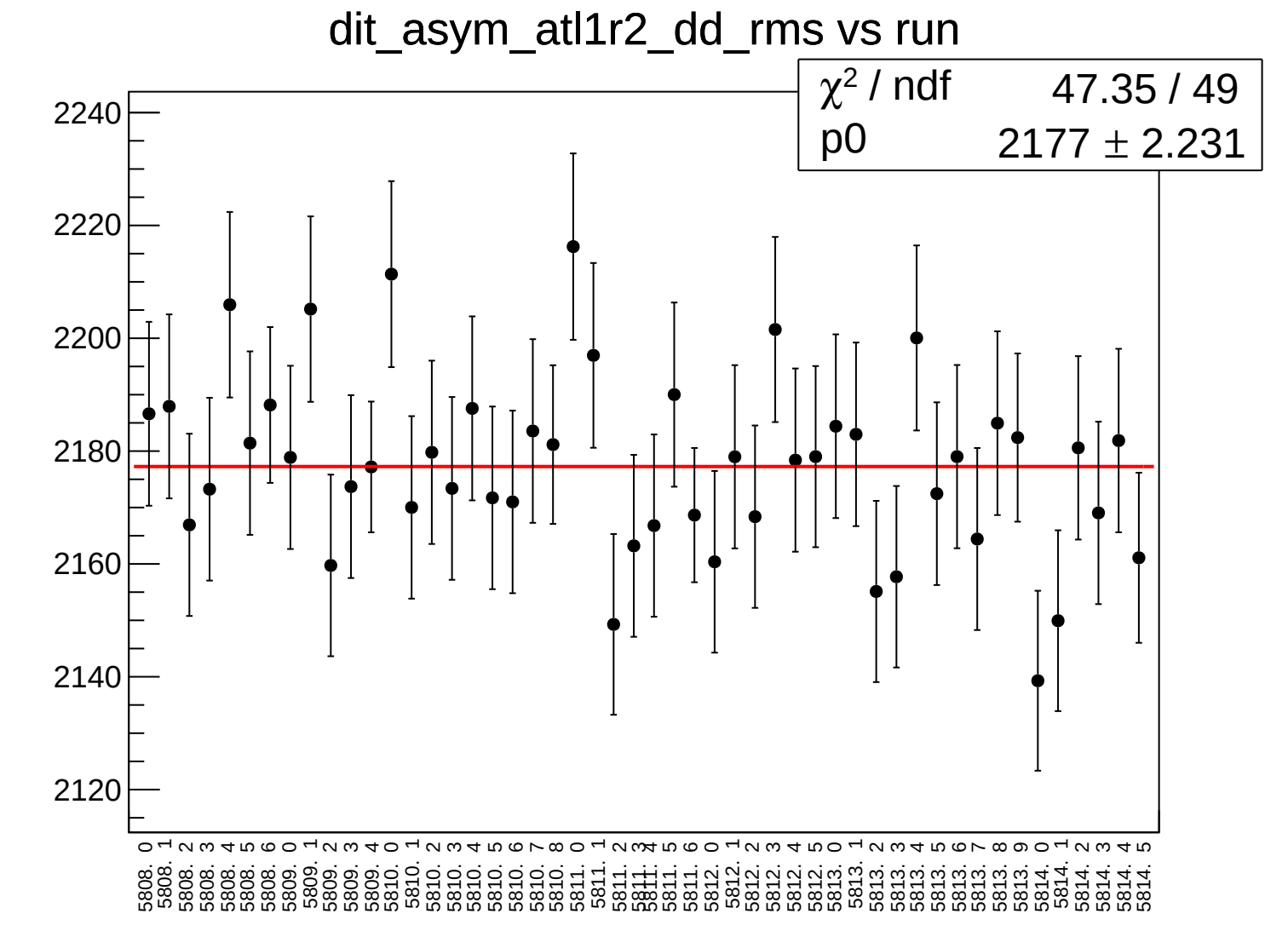
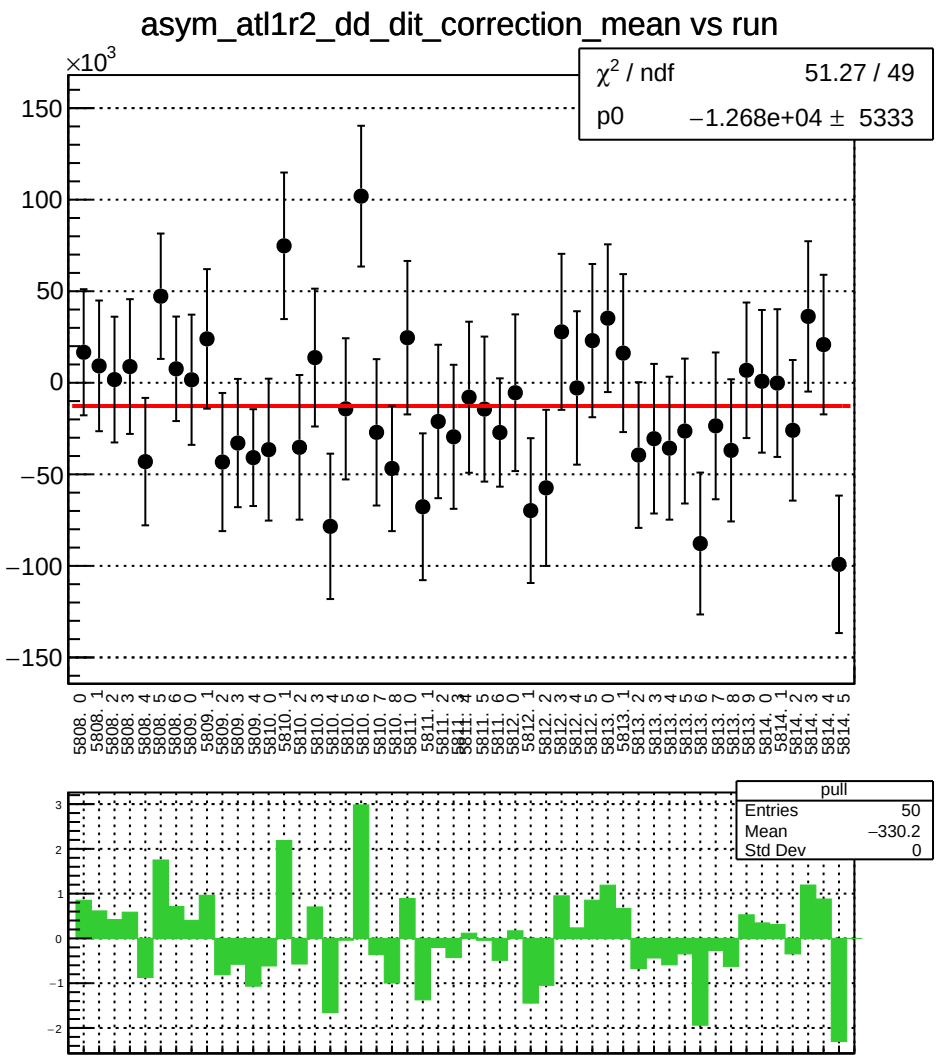
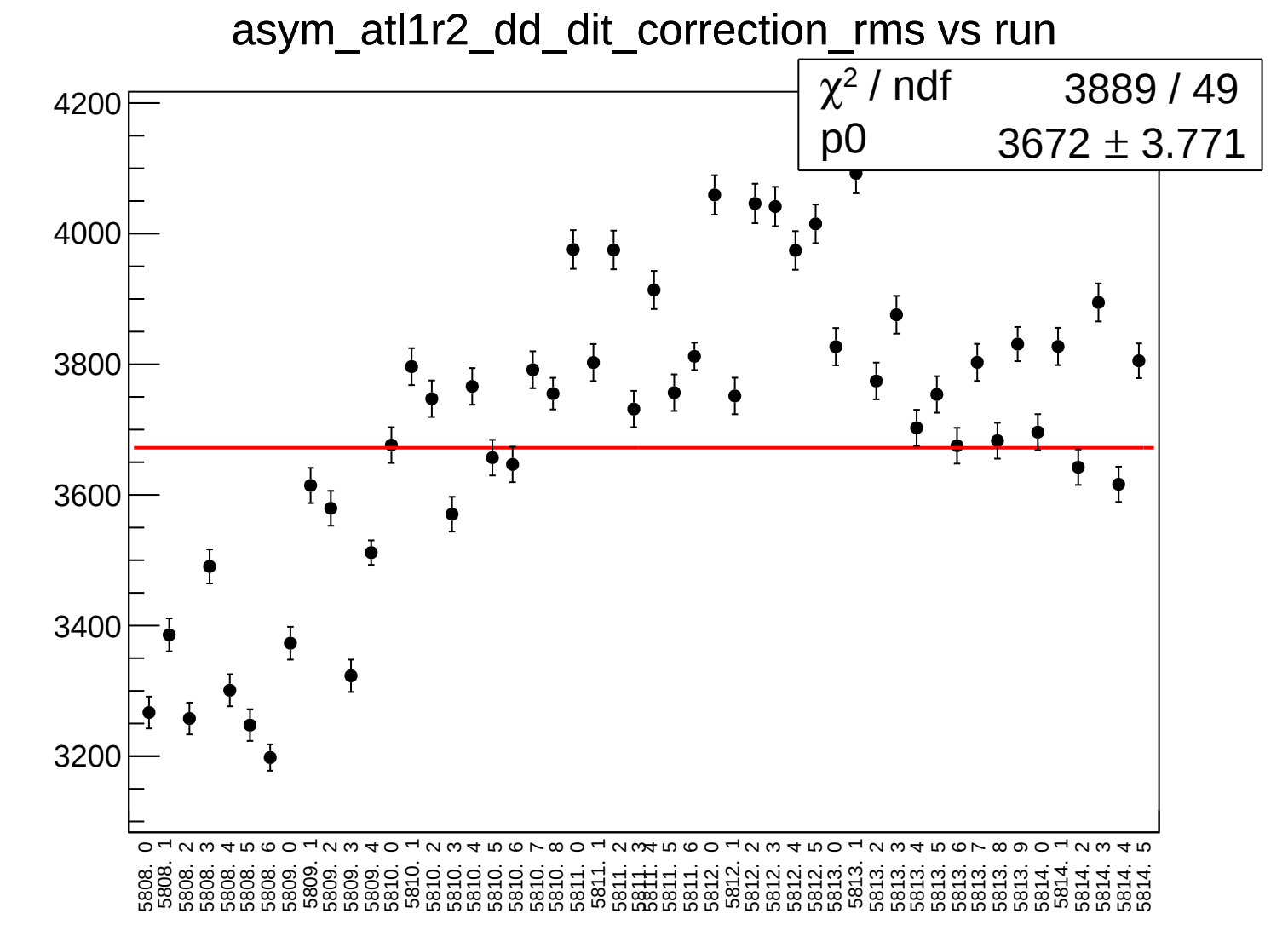
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

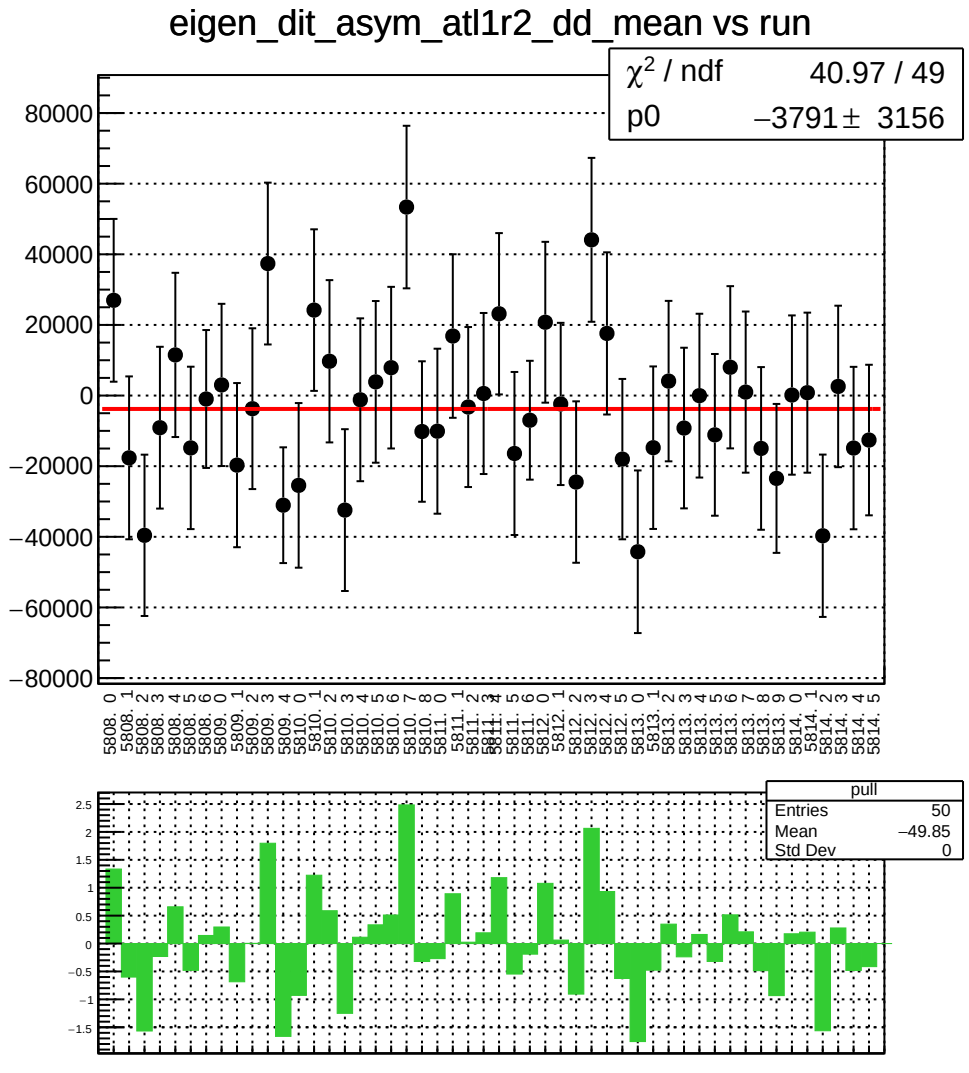

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 40.97 / 49
p0 −3791 ± 3156
pull
Entries 50
Mean −49.85
Std Dev 0

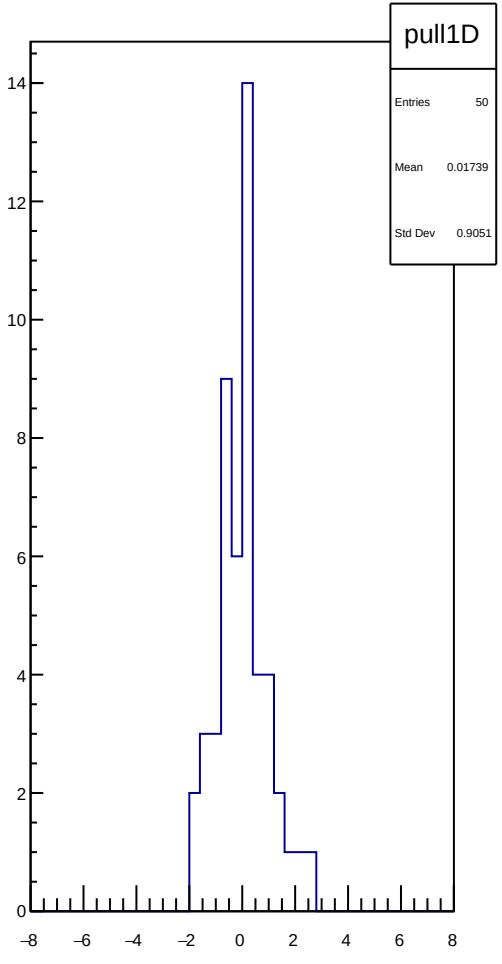

pull1D
Entries 50
Mean 0.01739
Std Dev 0.9051

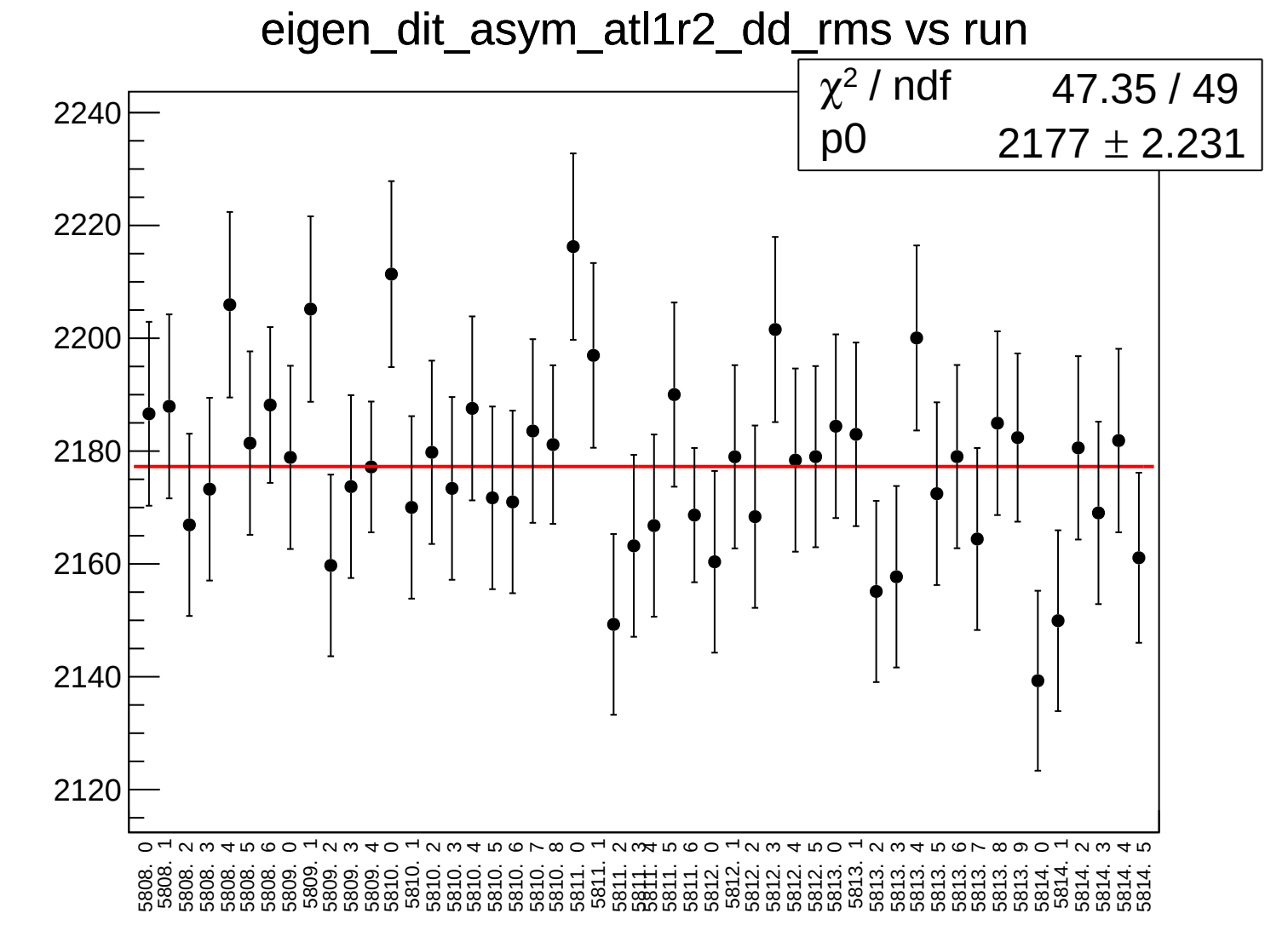

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.35 / 49
p0 2177 ± 2.231
2240
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

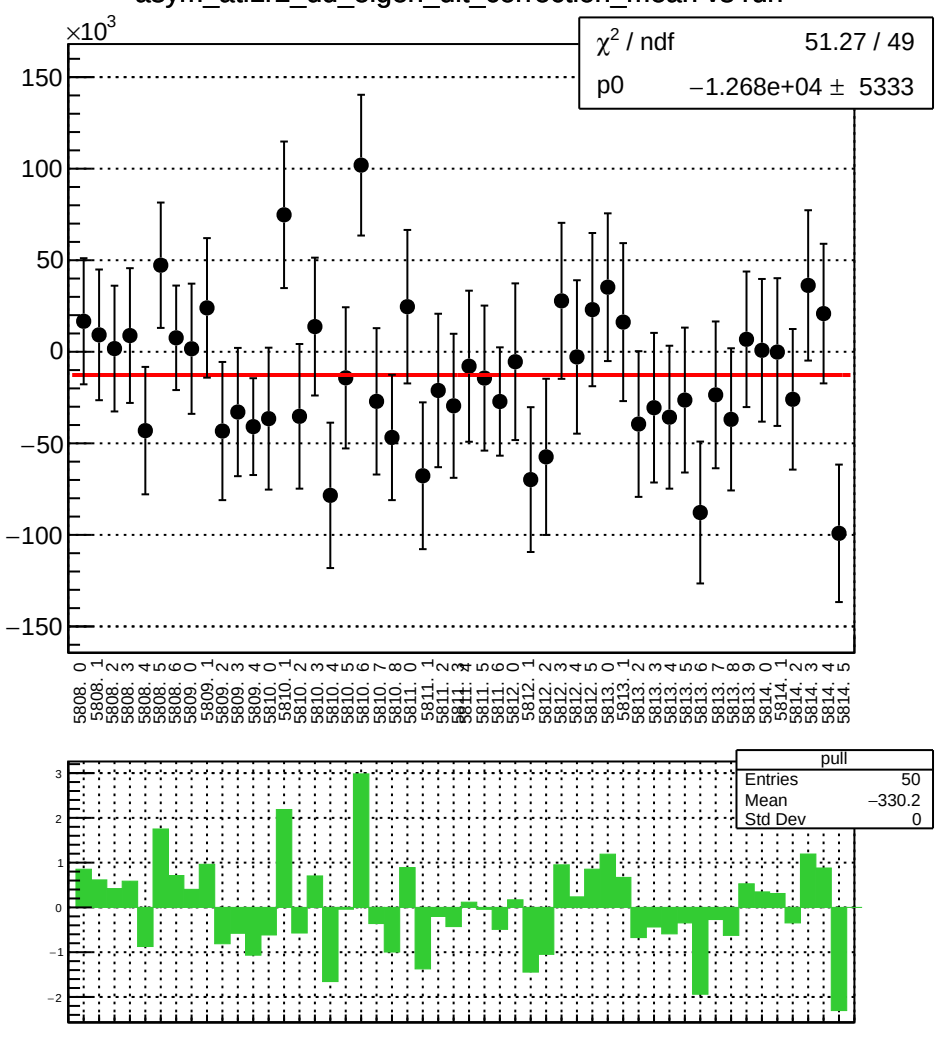

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.27 / 49
p0 −1.268e+04 ± 5333
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −330.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007586
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

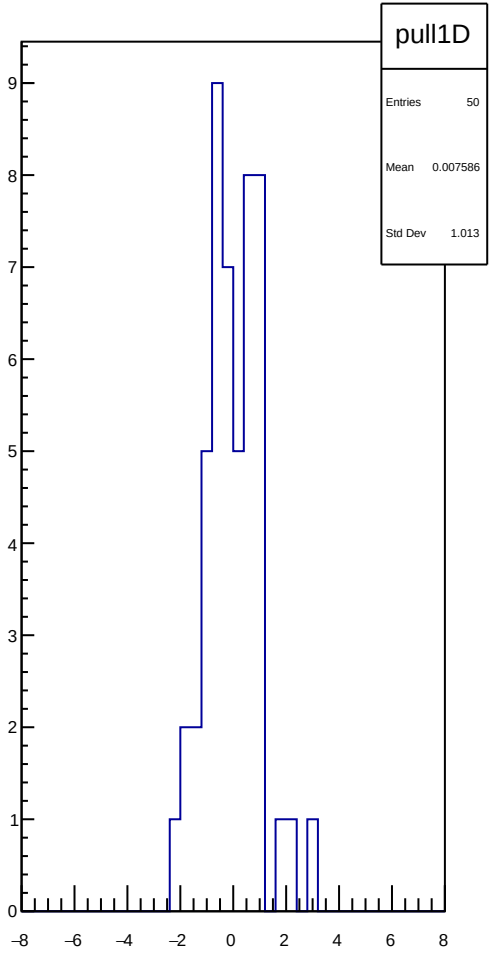

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 3889 / 49
p0 3672 ± 3.771
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

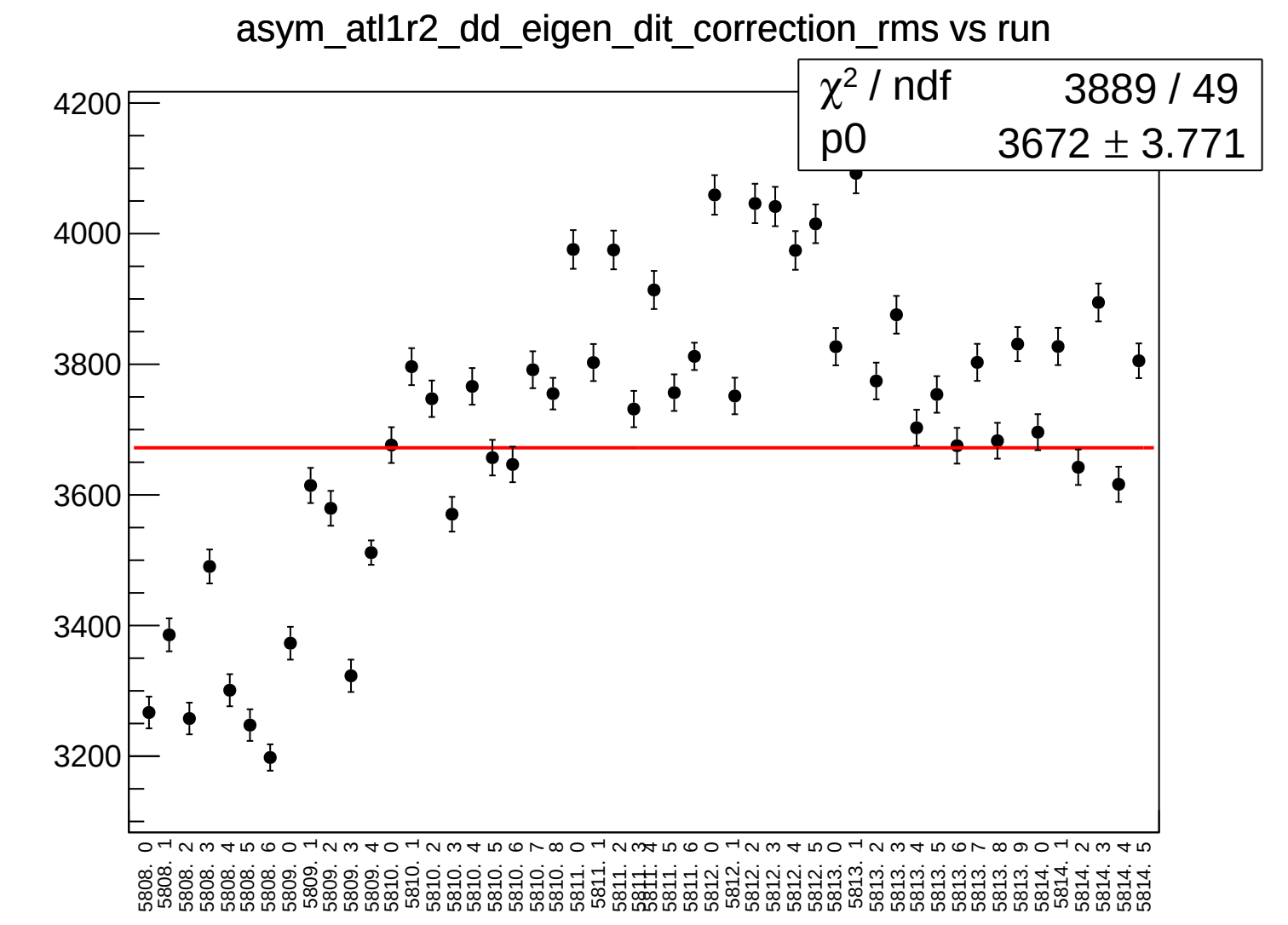

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 40.97 / 49
p0 −3791 ± 3156
pull
Entries 50
Mean −49.85
Std Dev 0


pull1D
Entries 50
Mean 0.01739
Std Dev 0.9051


eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.35 / 49
p0 2177 ± 2.231
2240
2220
2200
2180
2160
2140
2120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.27 / 49
p0 −1.268e+04 ± 5333
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −330.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.007586
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3889 / 49
p0 3672 ± 3.771
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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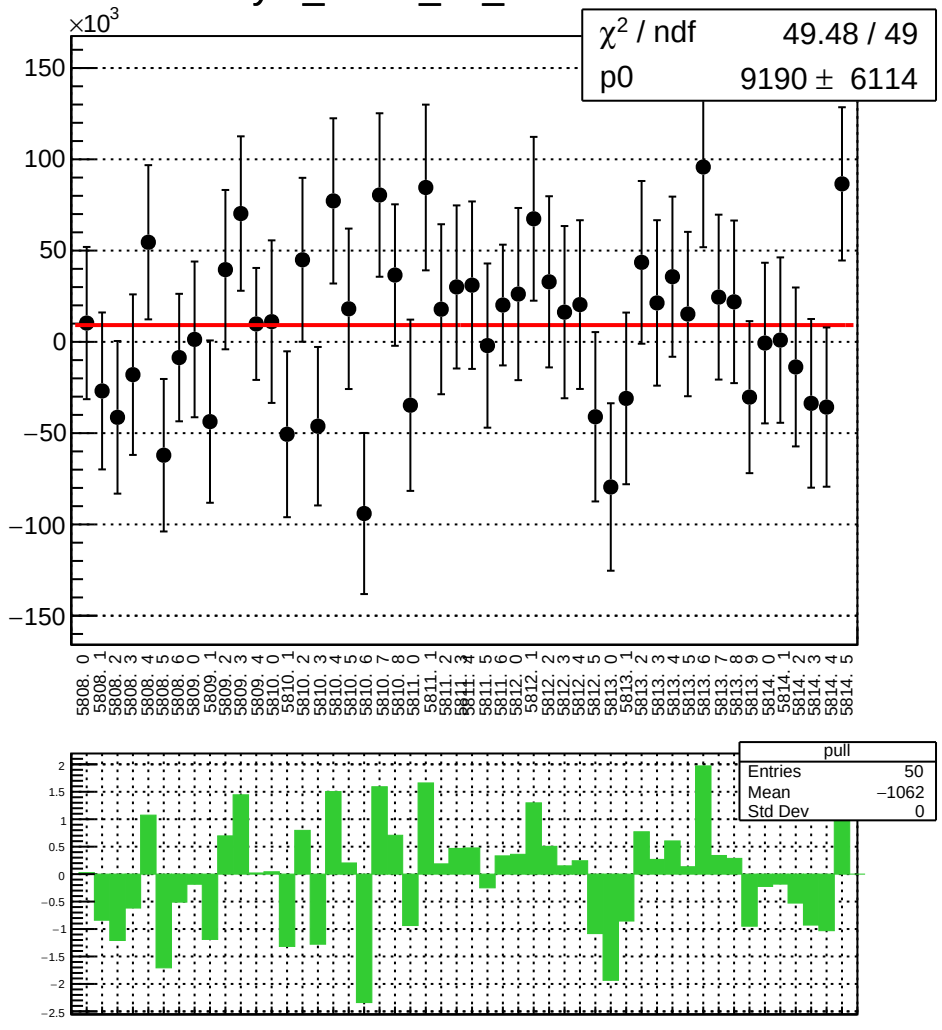
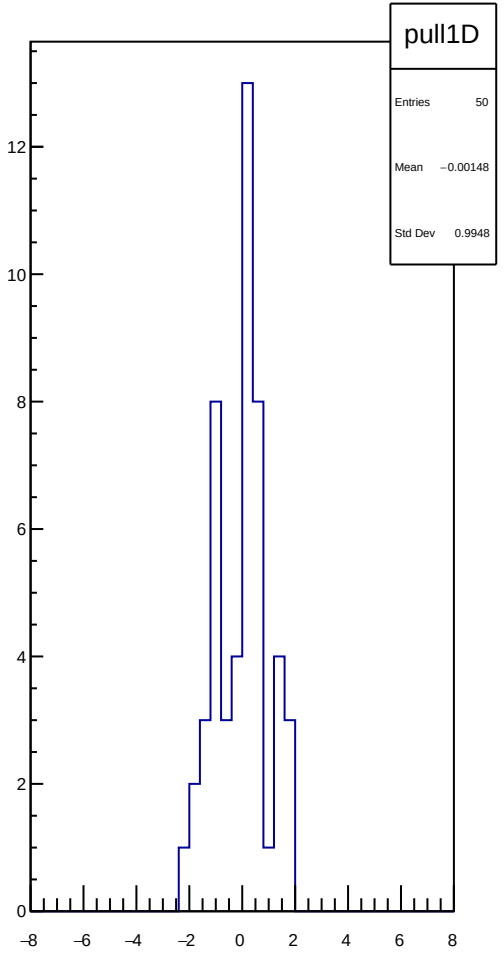
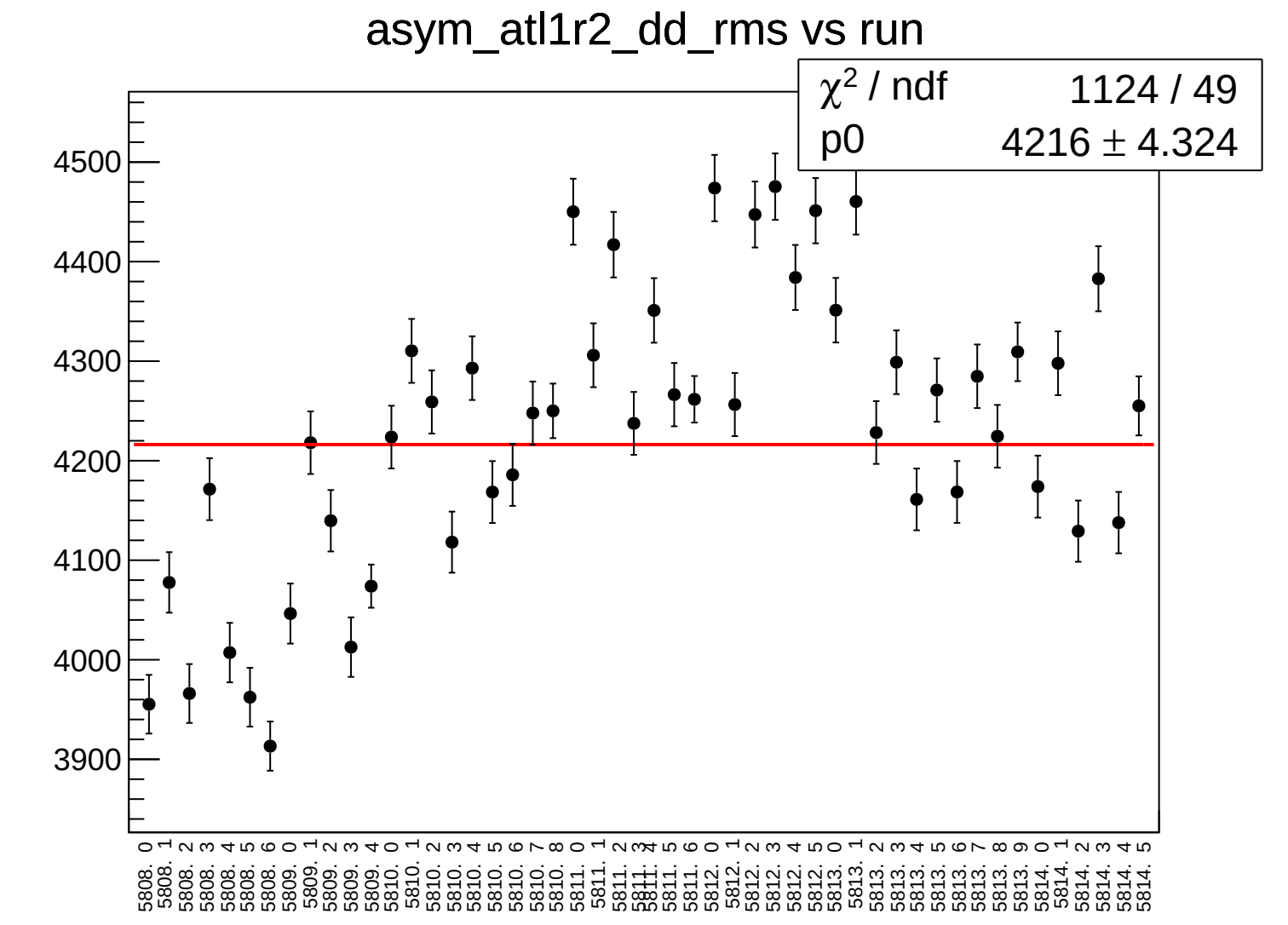
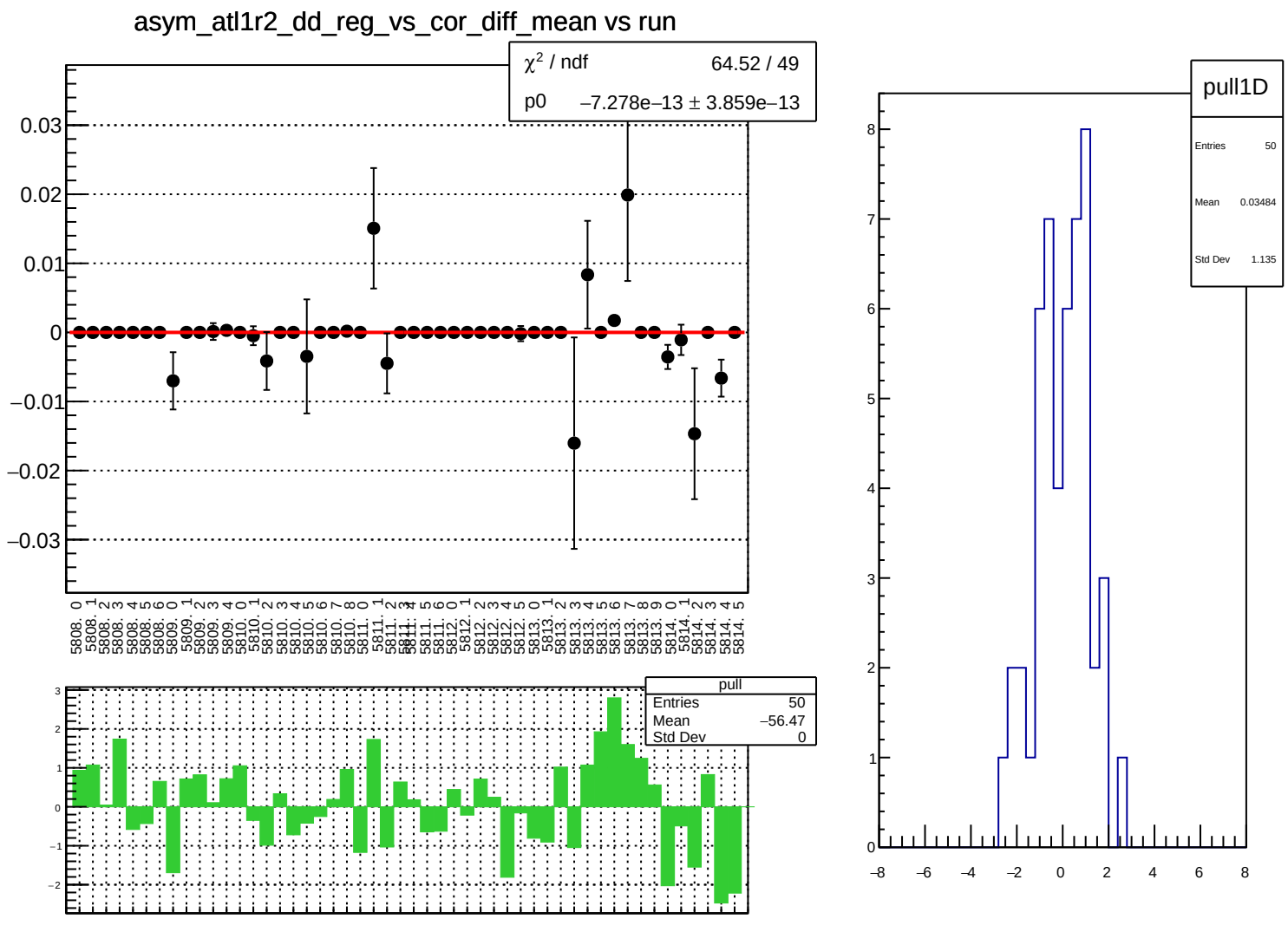
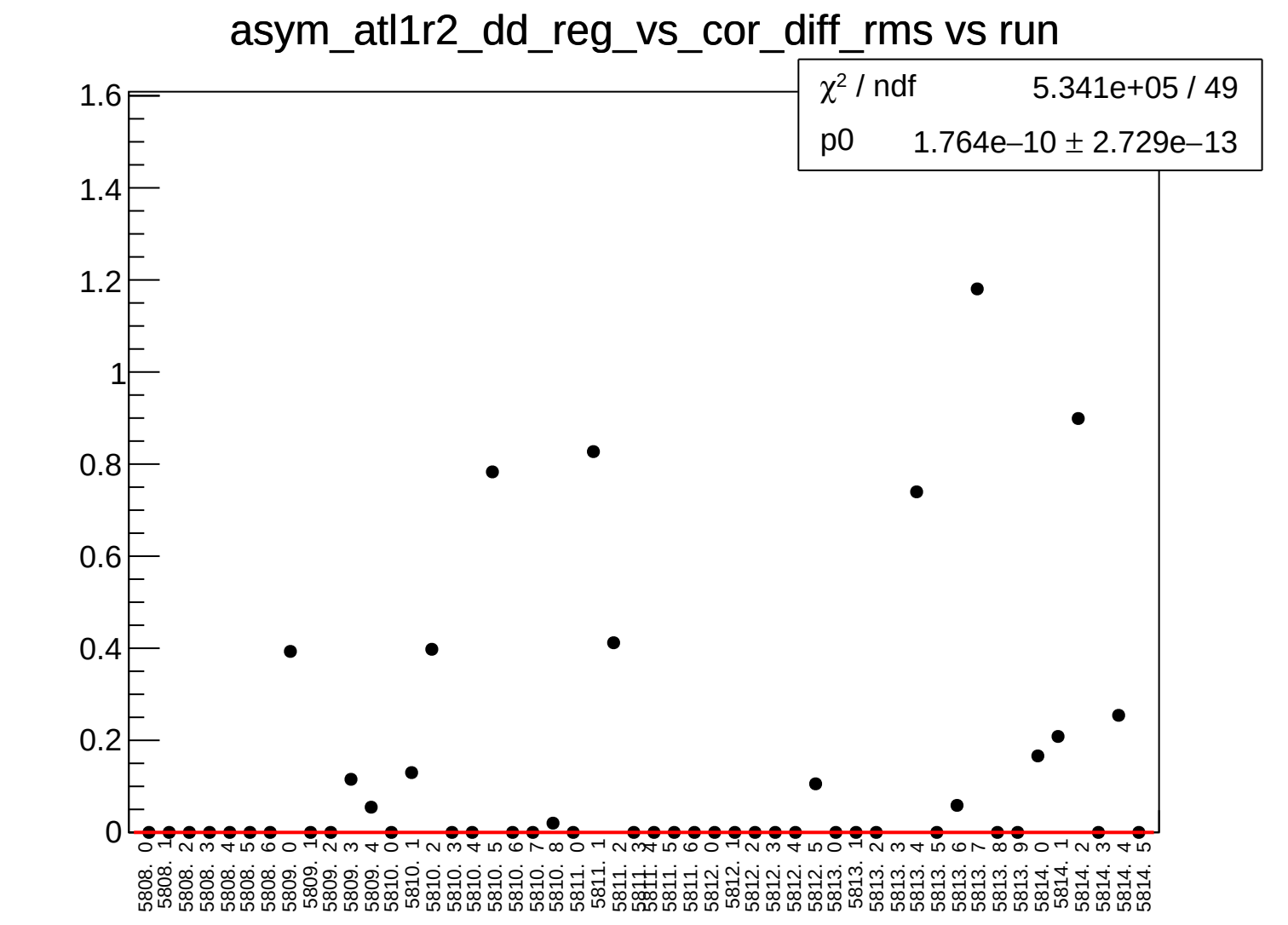
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

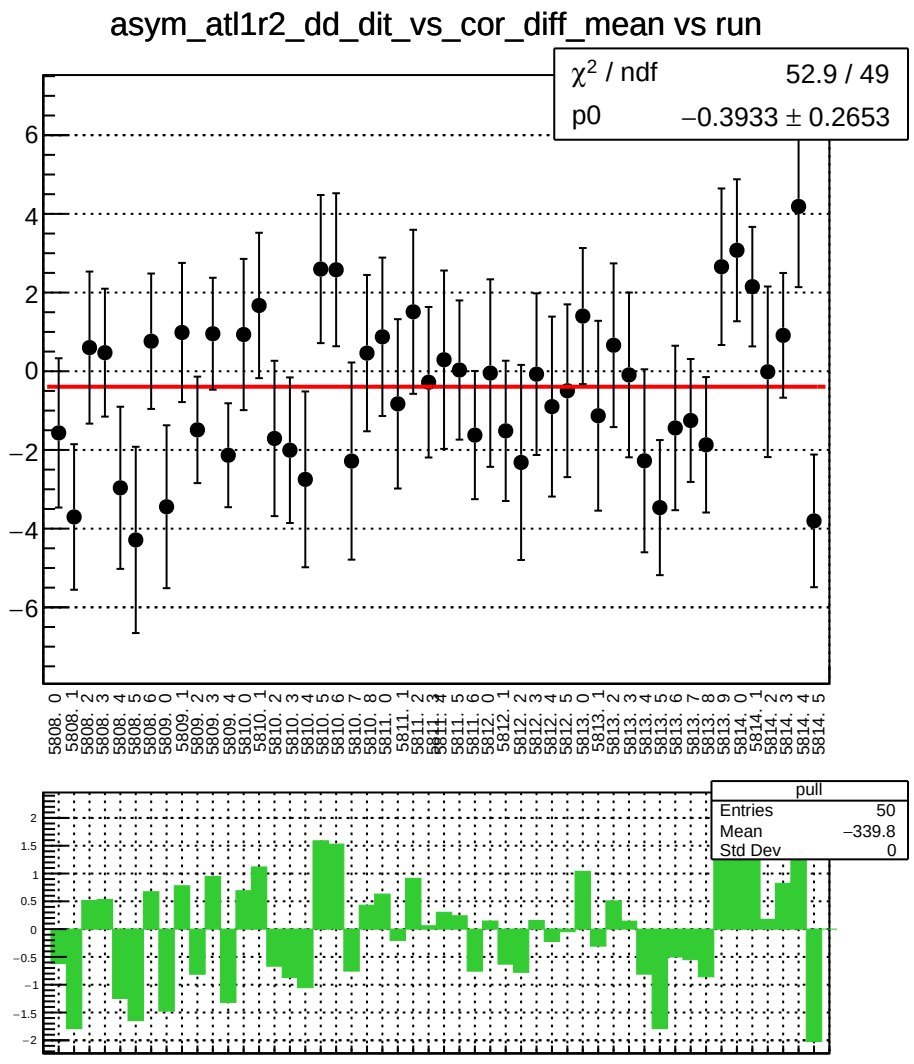

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 49.48 / 49
p0 9190 ± 6114
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −1062
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

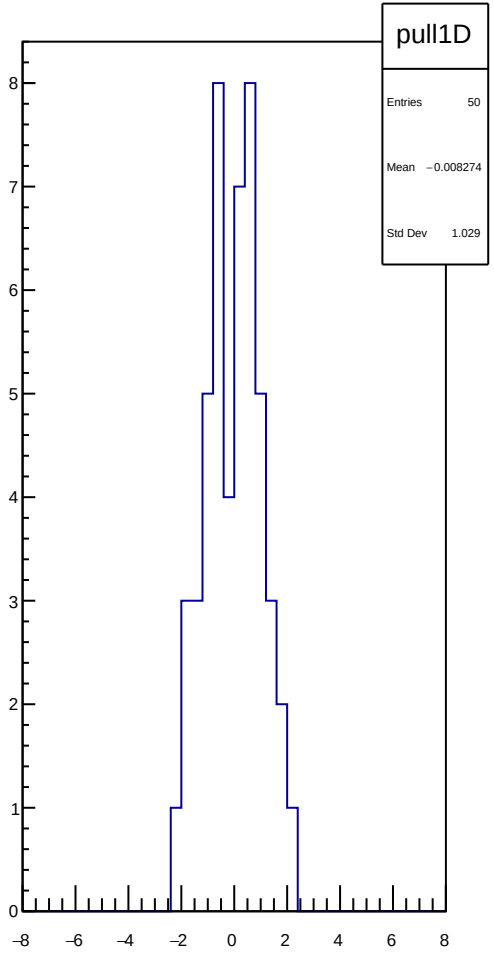

pull1D
Entries 50
Mean −0.00148
Std Dev 0.9948
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

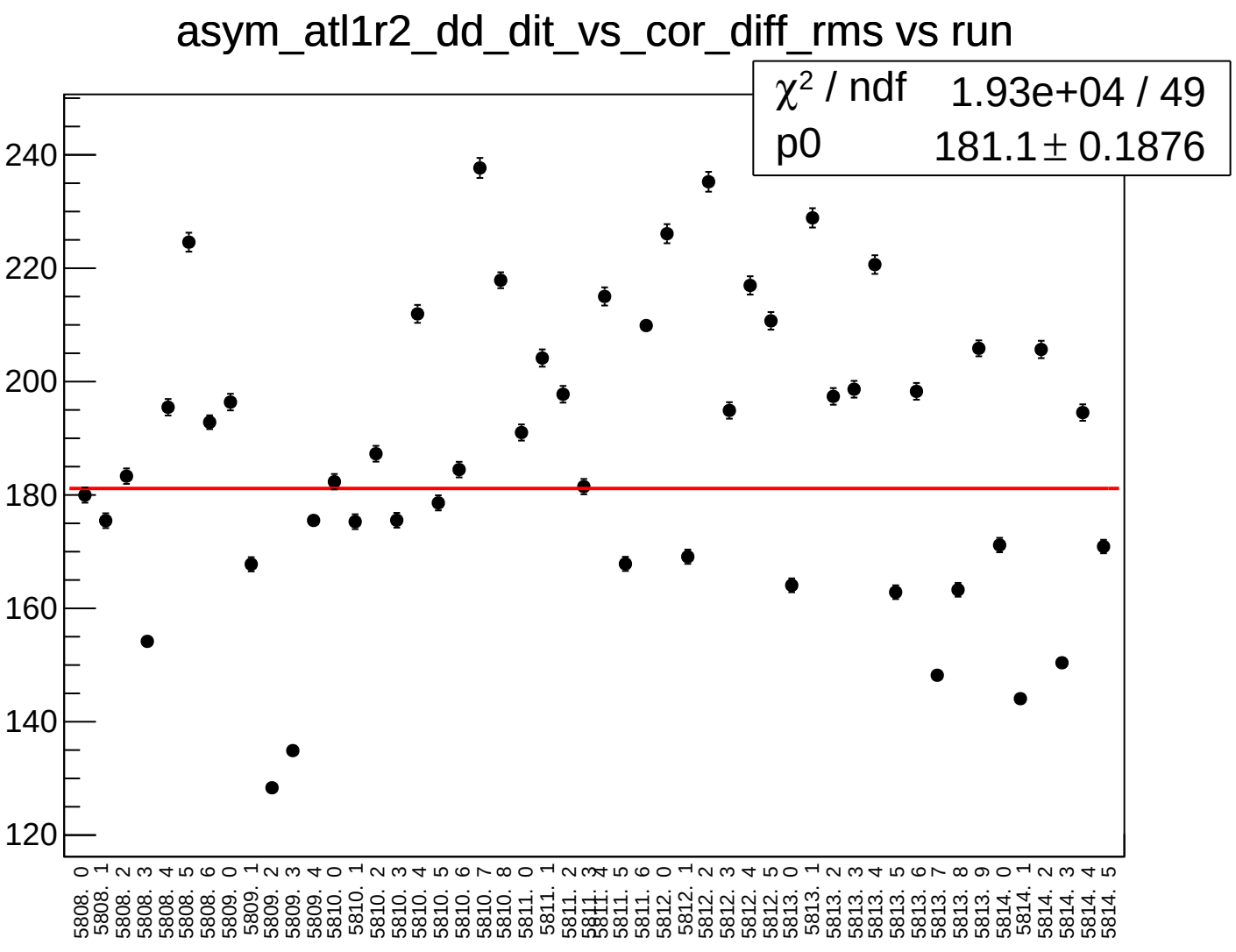

asym_atl1r2_dd_rms vs run
χ² / ndf 1124 / 49
p0 4216 ± 4.324
4500
4400
4300
4200
4100
4000
3900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

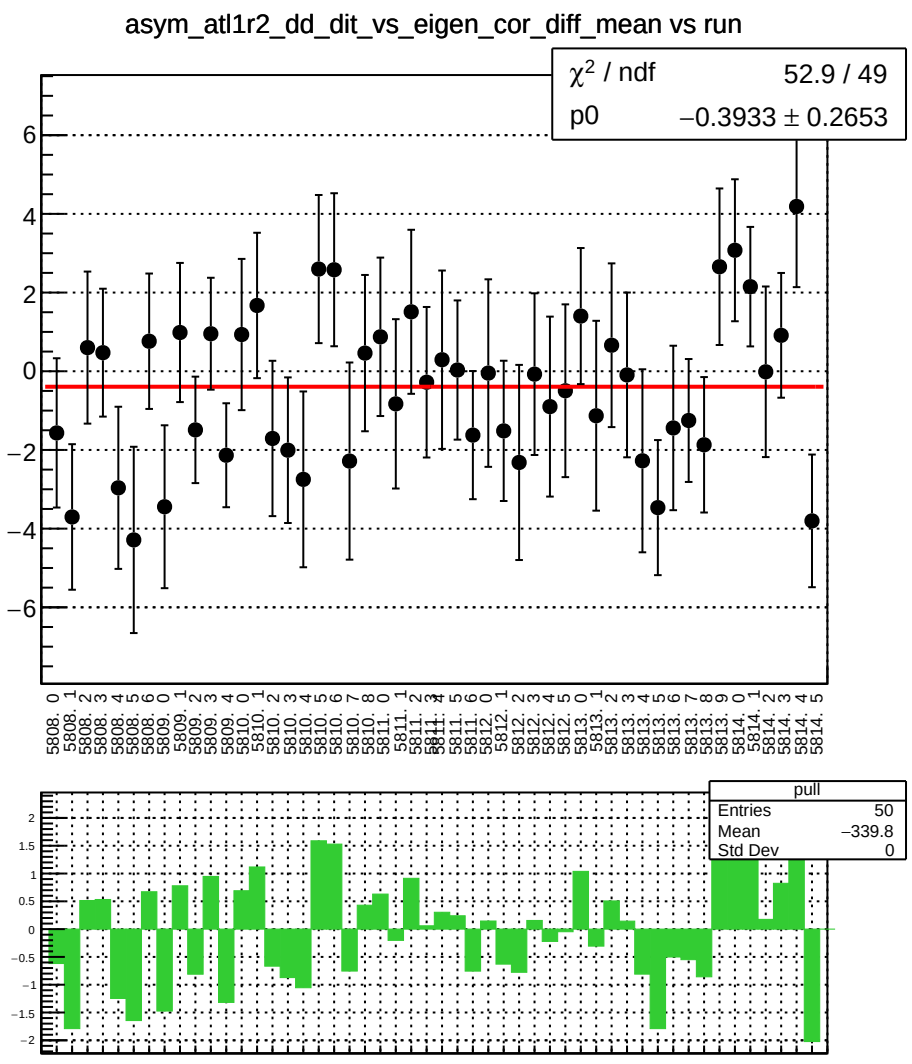

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 64.52 / 49
p0 −7.278e−13 ± 3.859e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 50
Mean −56.47
Std Dev 0
pull1D
Entries 50
Mean 0.03484
Std Dev 1.135

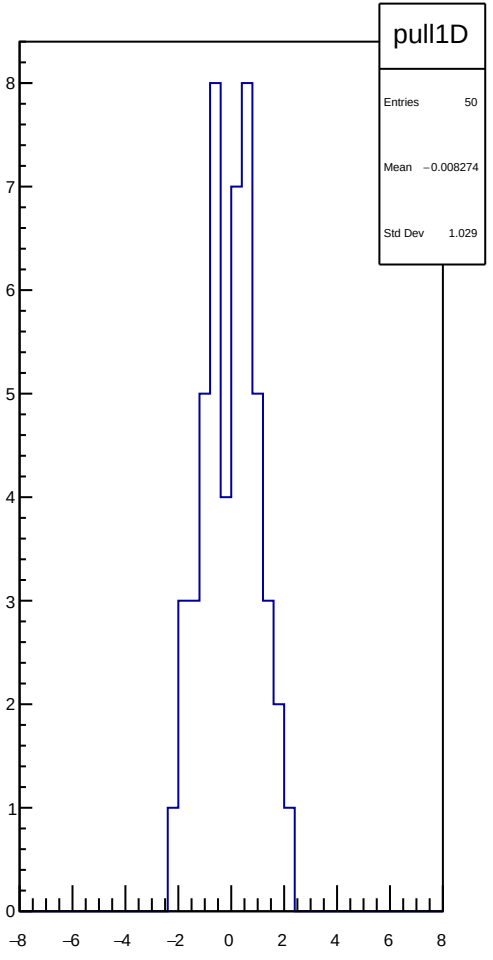

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.341e+05 / 49
p0 1.764e−10 ± 2.729e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

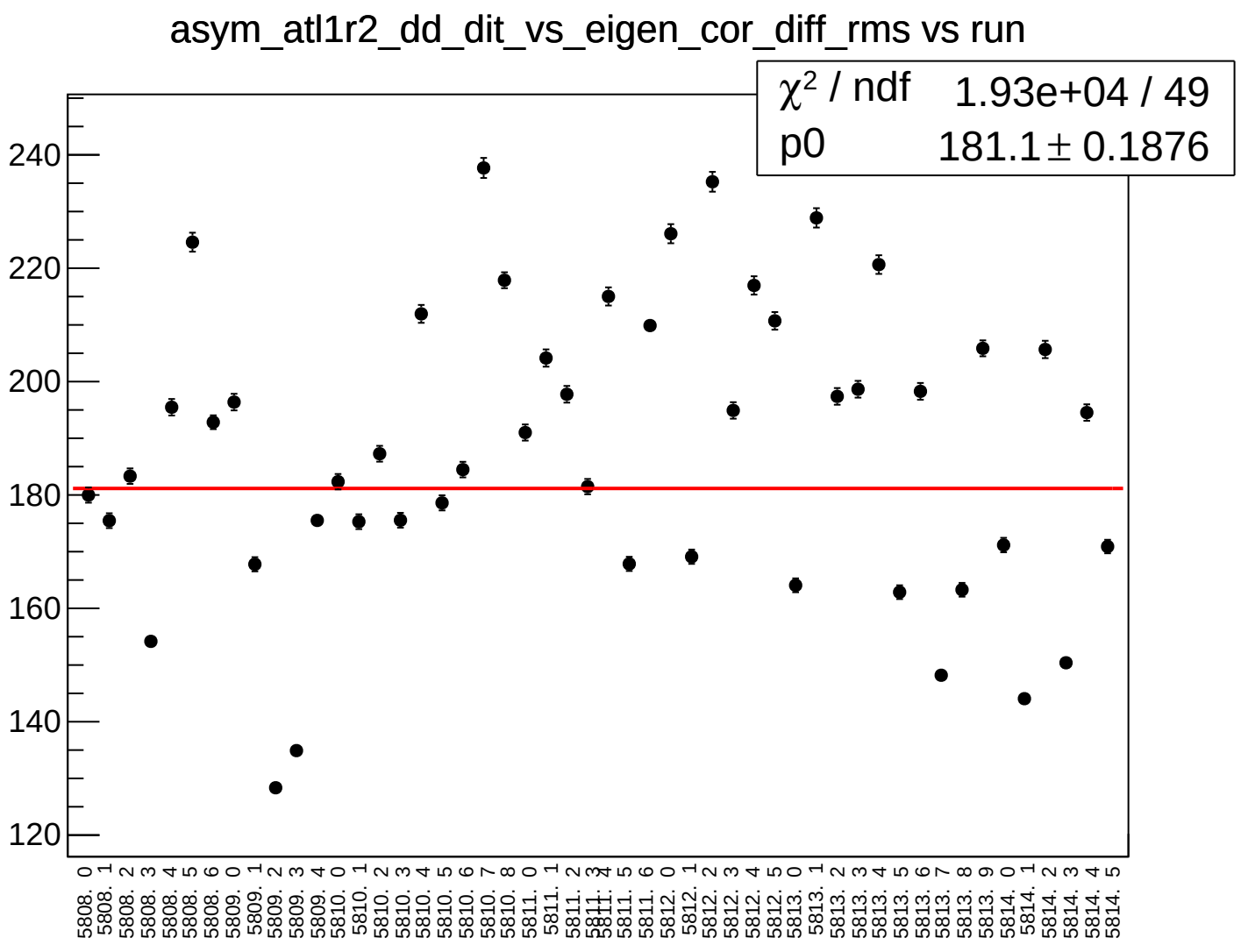

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.9 / 49
p0 −0.3933 ± 0.2653
pull
Entries 50
Mean −339.8
Std Dev 0

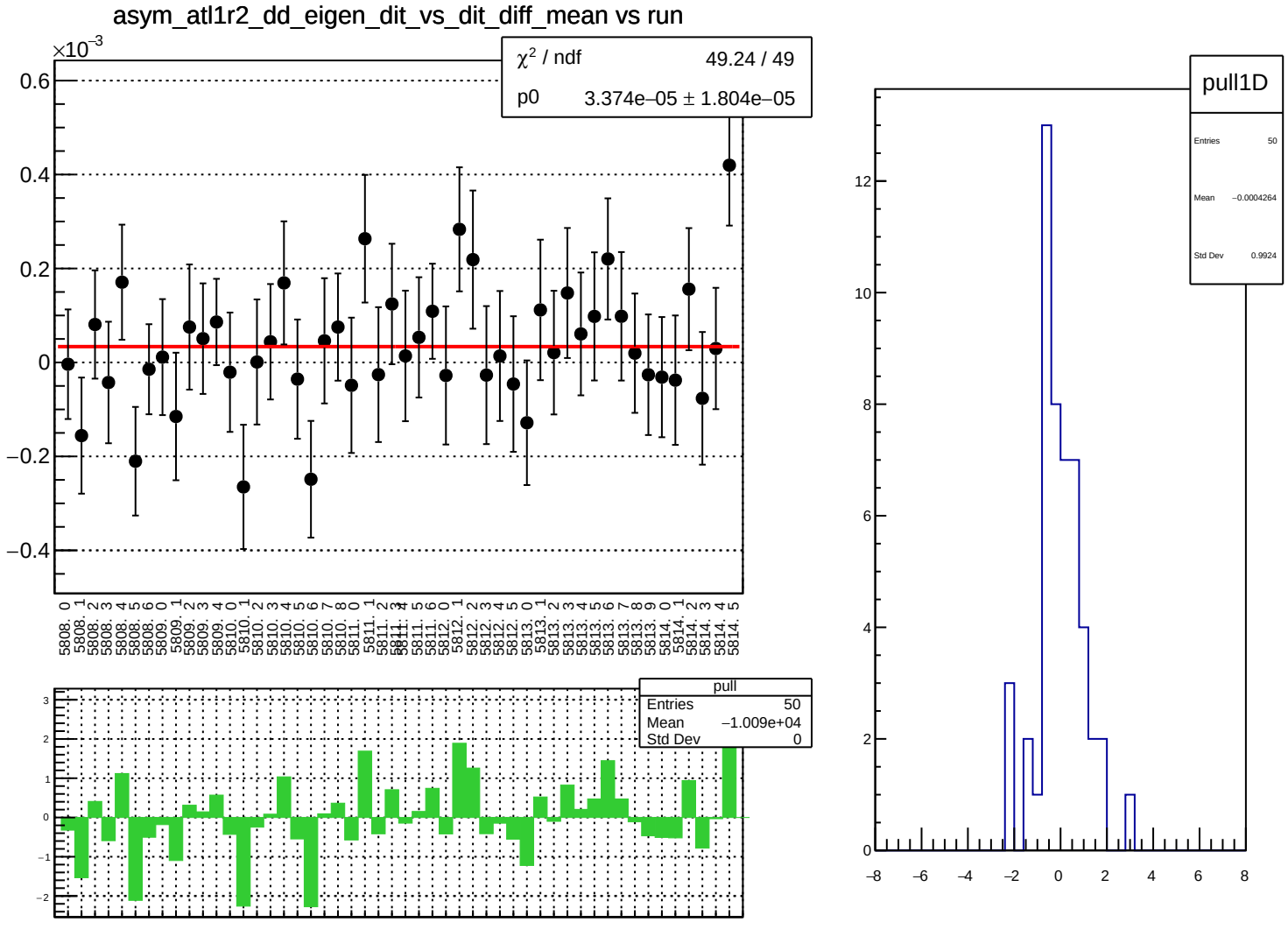

pull1D
Entries 50
Mean −0.008274
Std Dev 1.029

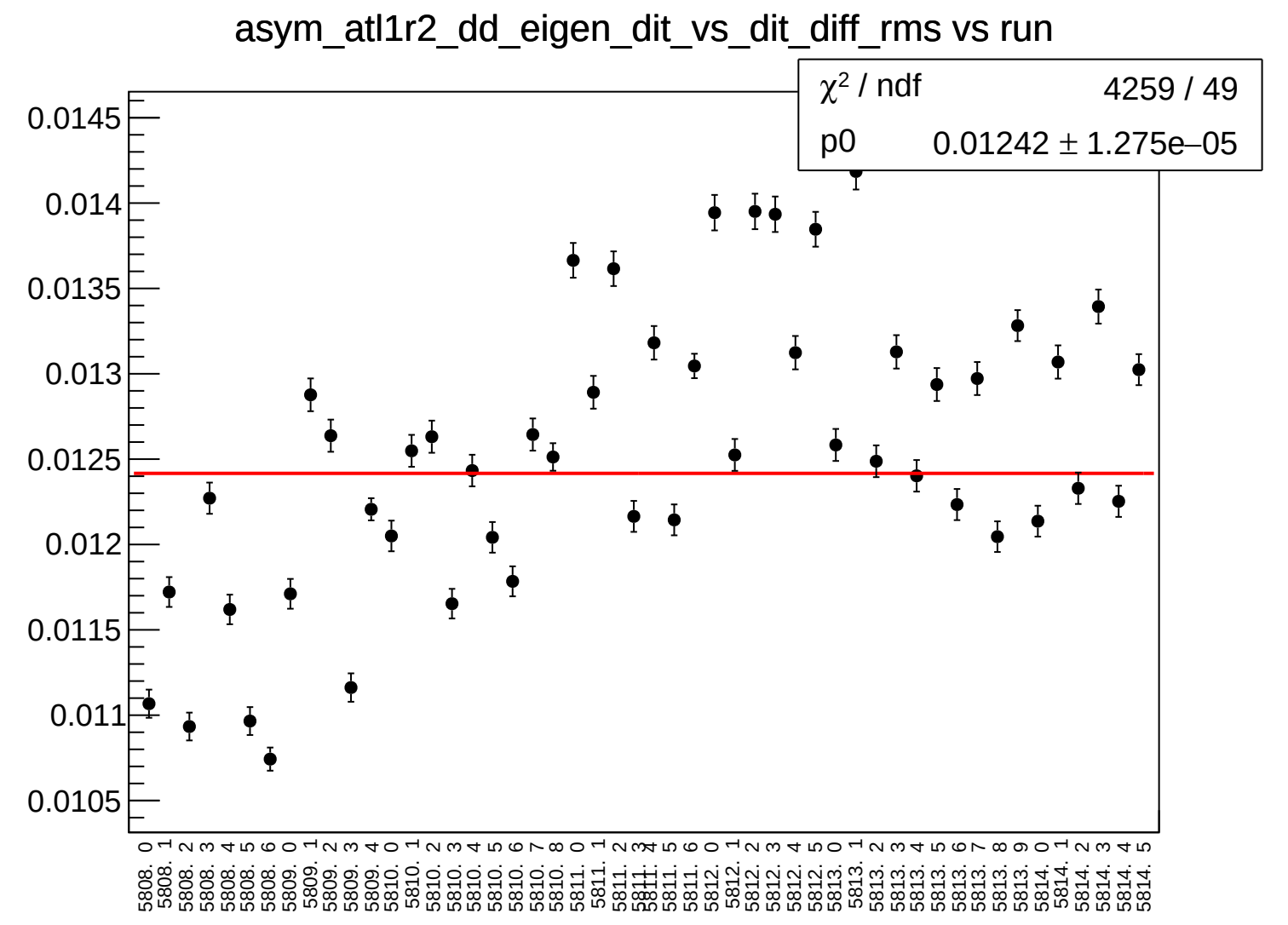

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.93e+04 / 49
p0 181.1 ± 0.1876
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.9 / 49
p0 −0.3933 ± 0.2653
pull
Entries 50
Mean −339.8
Std Dev 0

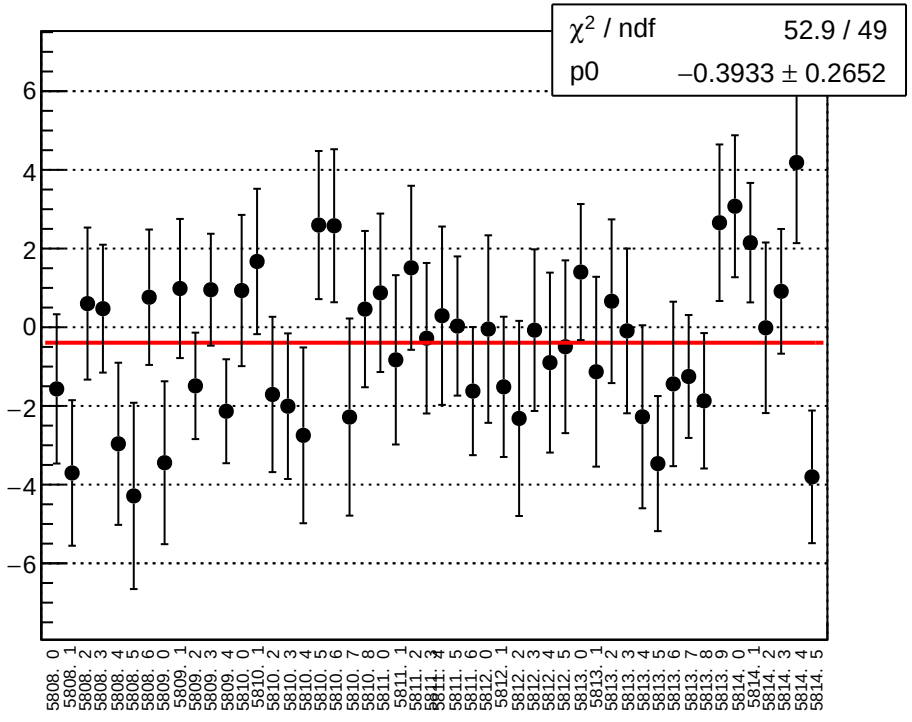

pull1D
Entries 50
Mean −0.008274
Std Dev 1.029

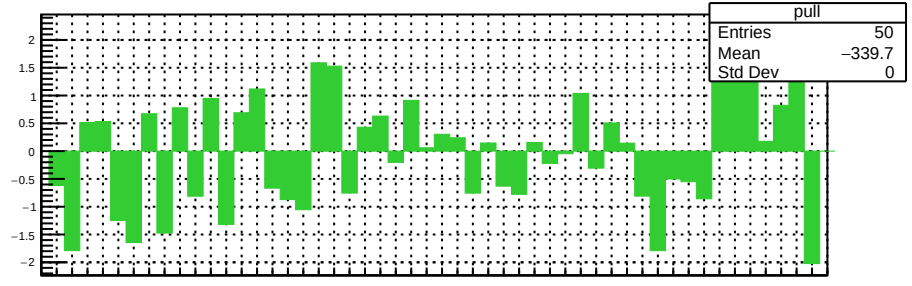

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.93e+04 / 49
p0 181.1 ± 0.1876
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

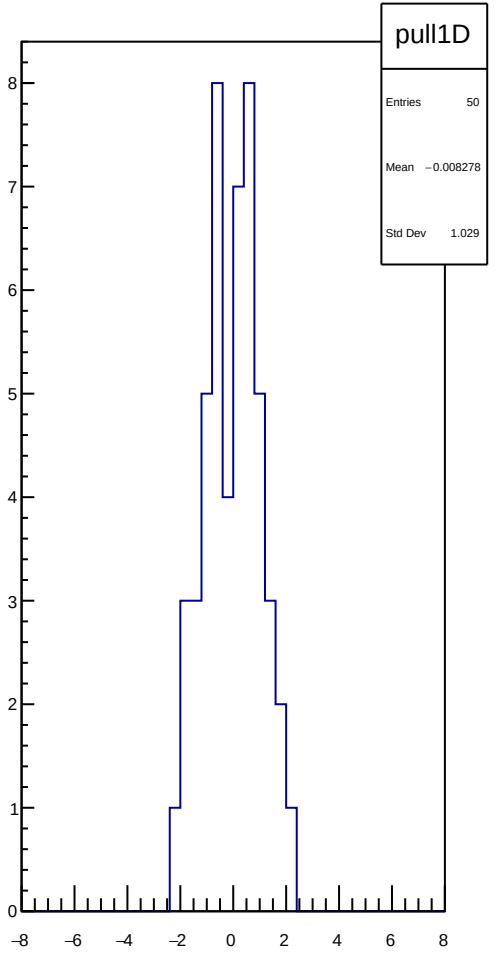

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.24 / 49
p0 3.374e−05 ± 1.804e−05
0.6
0.4
0.2
0
−0.2
−0.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1.009e+04
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0004264
Std Dev 0.9924
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

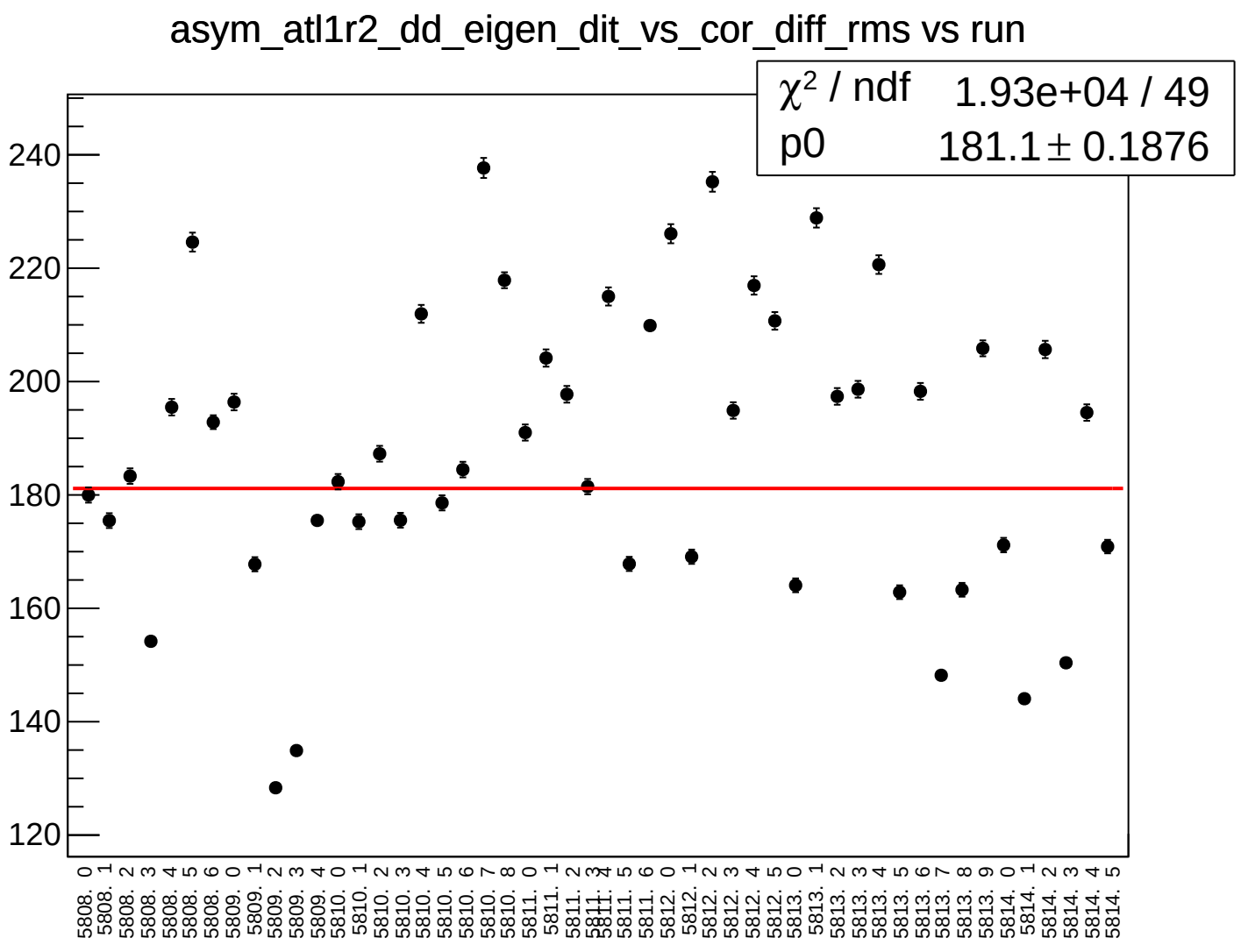

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4259 / 49
p0 0.01242 ± 1.275e–05
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

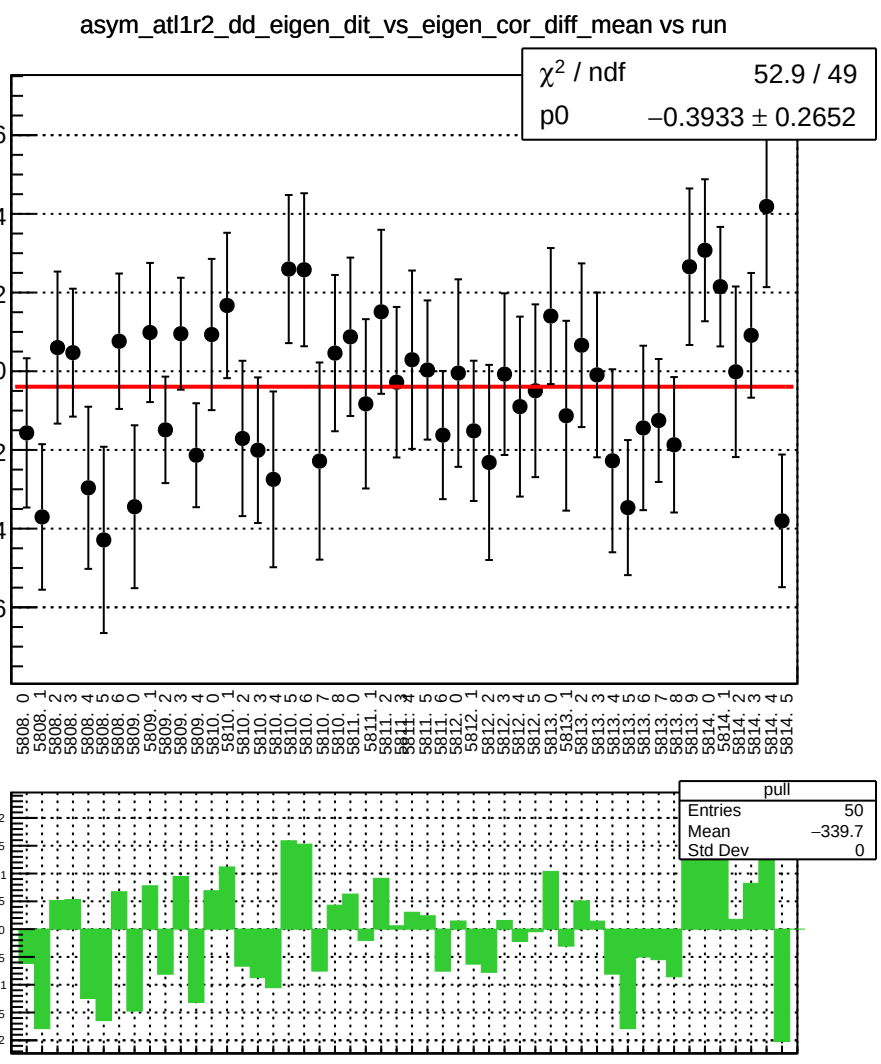
asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run

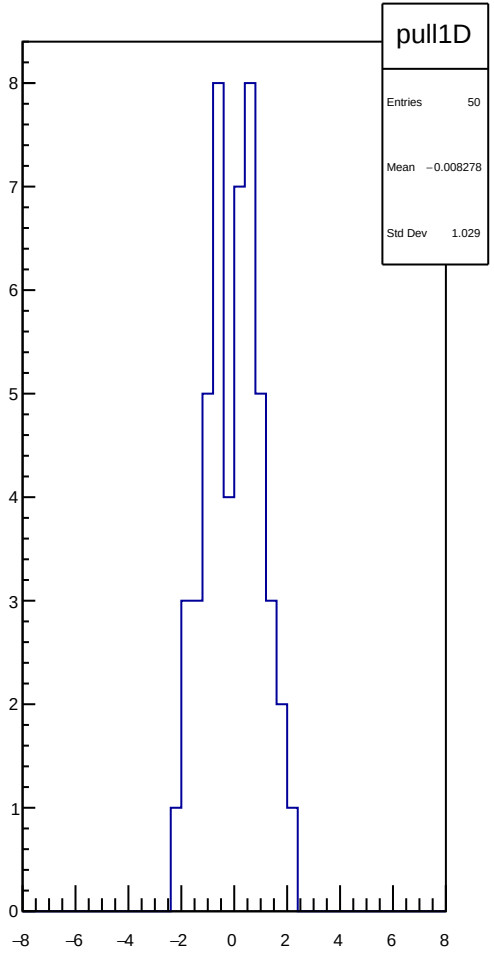


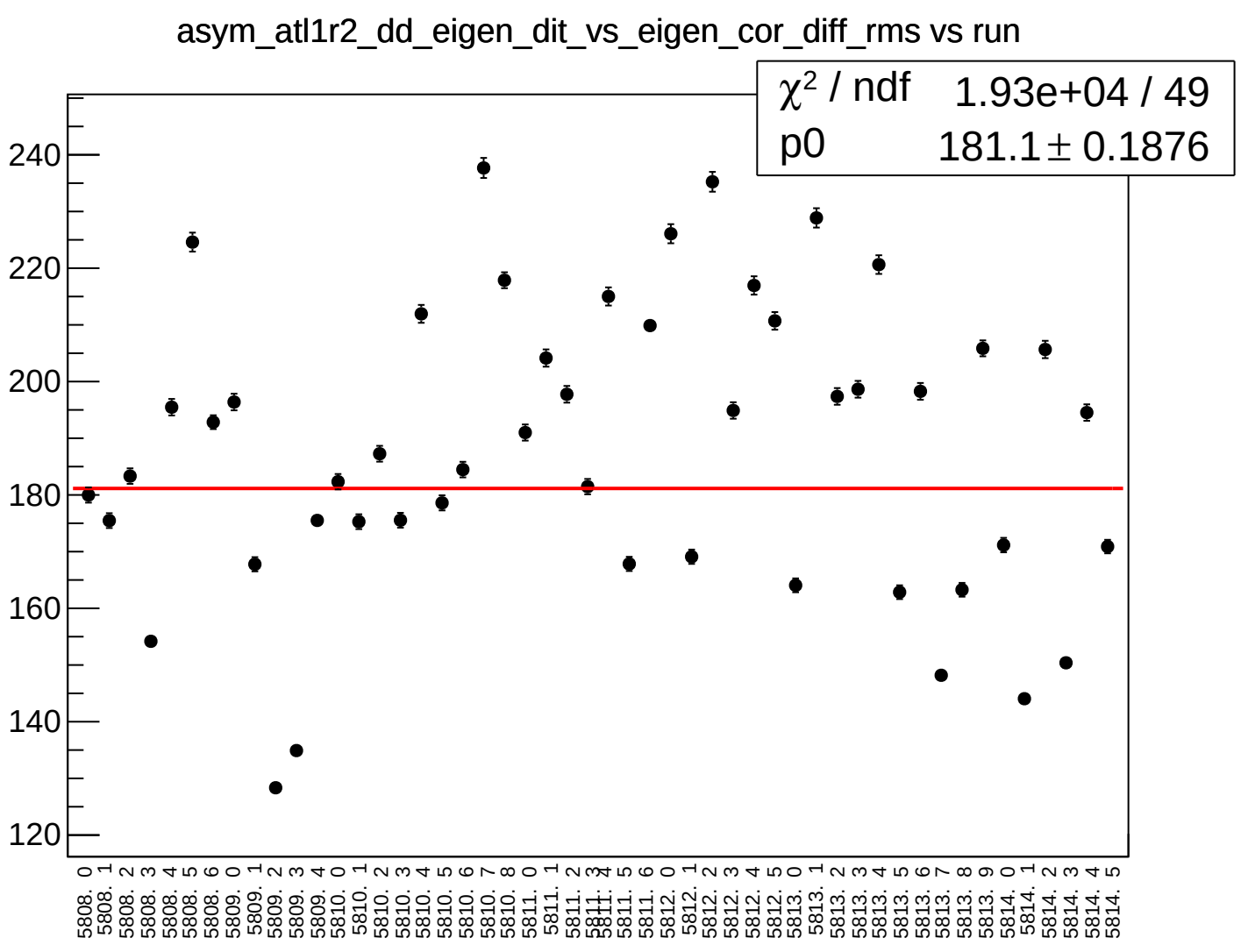


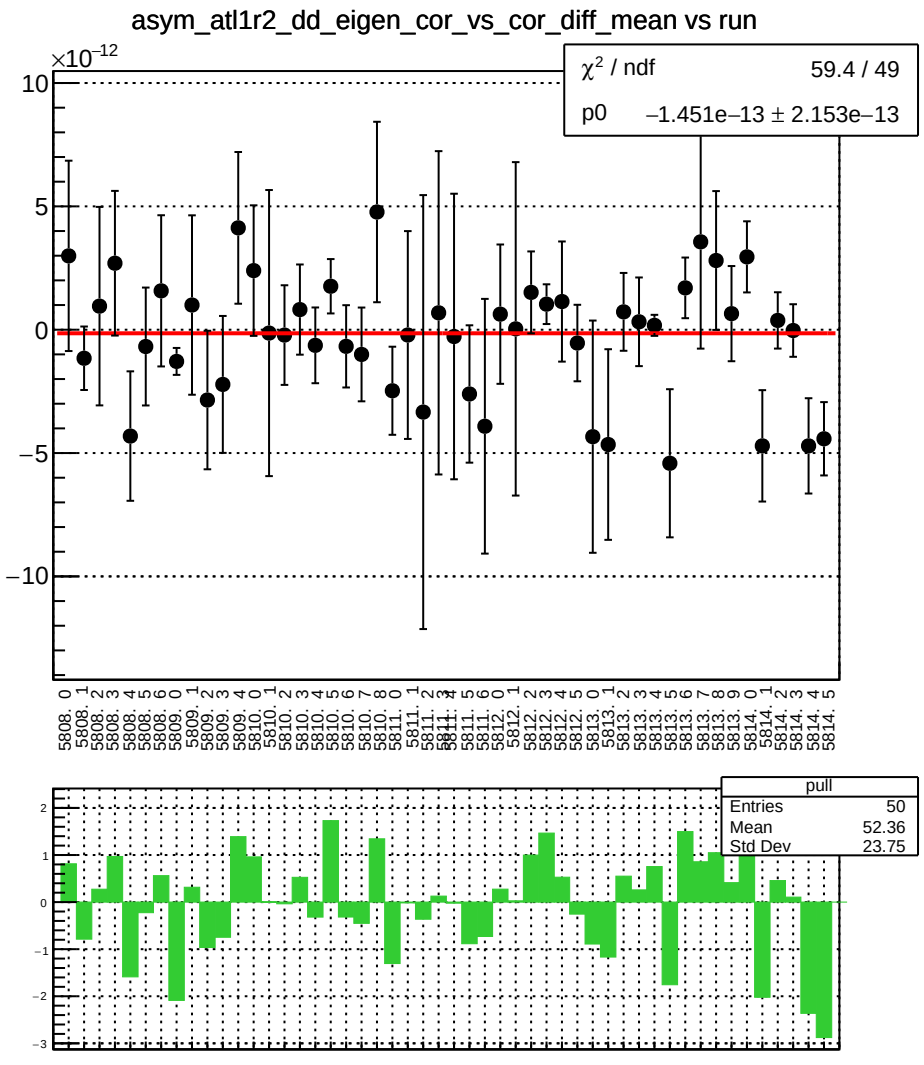


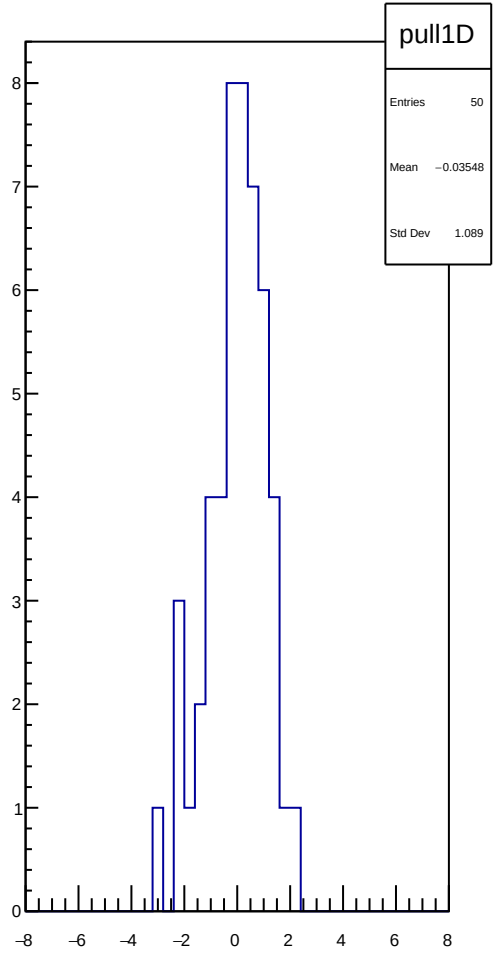

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.93e+04 / 49
p0 181.1 ± 0.1876
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

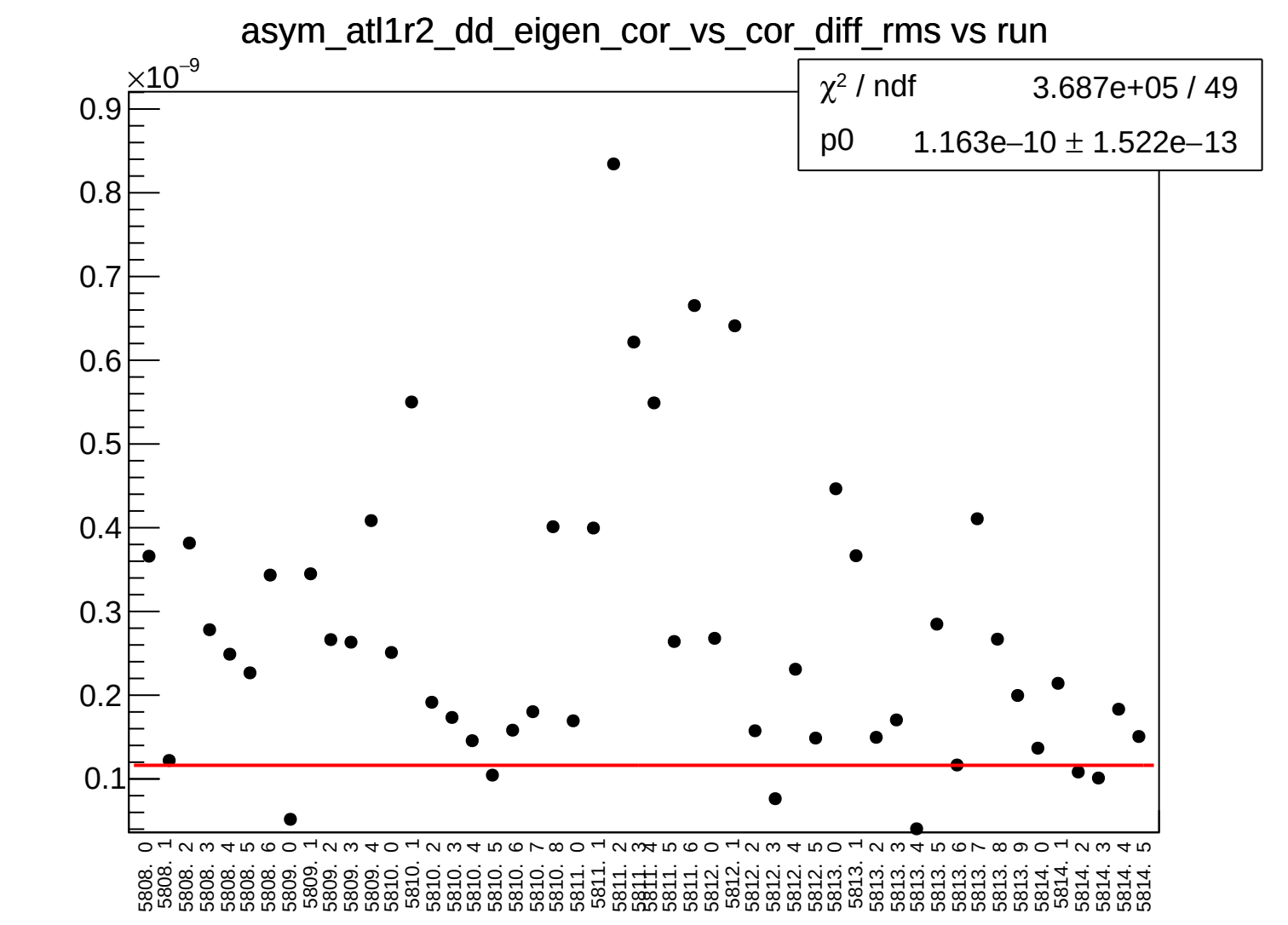

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.9 / 49
p0 −0.3933 ± 0.2652
pull
Entries 50
Mean −339.7
Std Dev 0

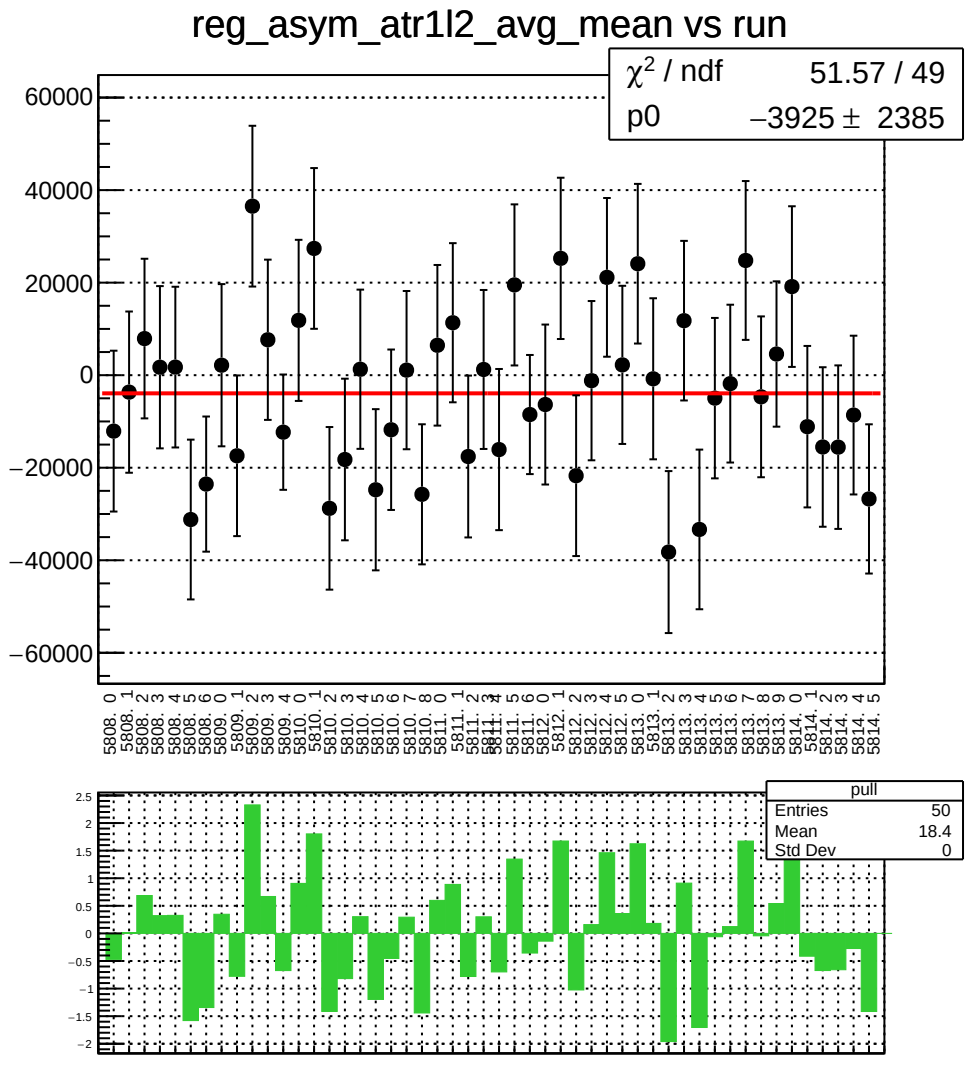

pull1D
Entries 50
Mean −0.008278
Std Dev 1.029

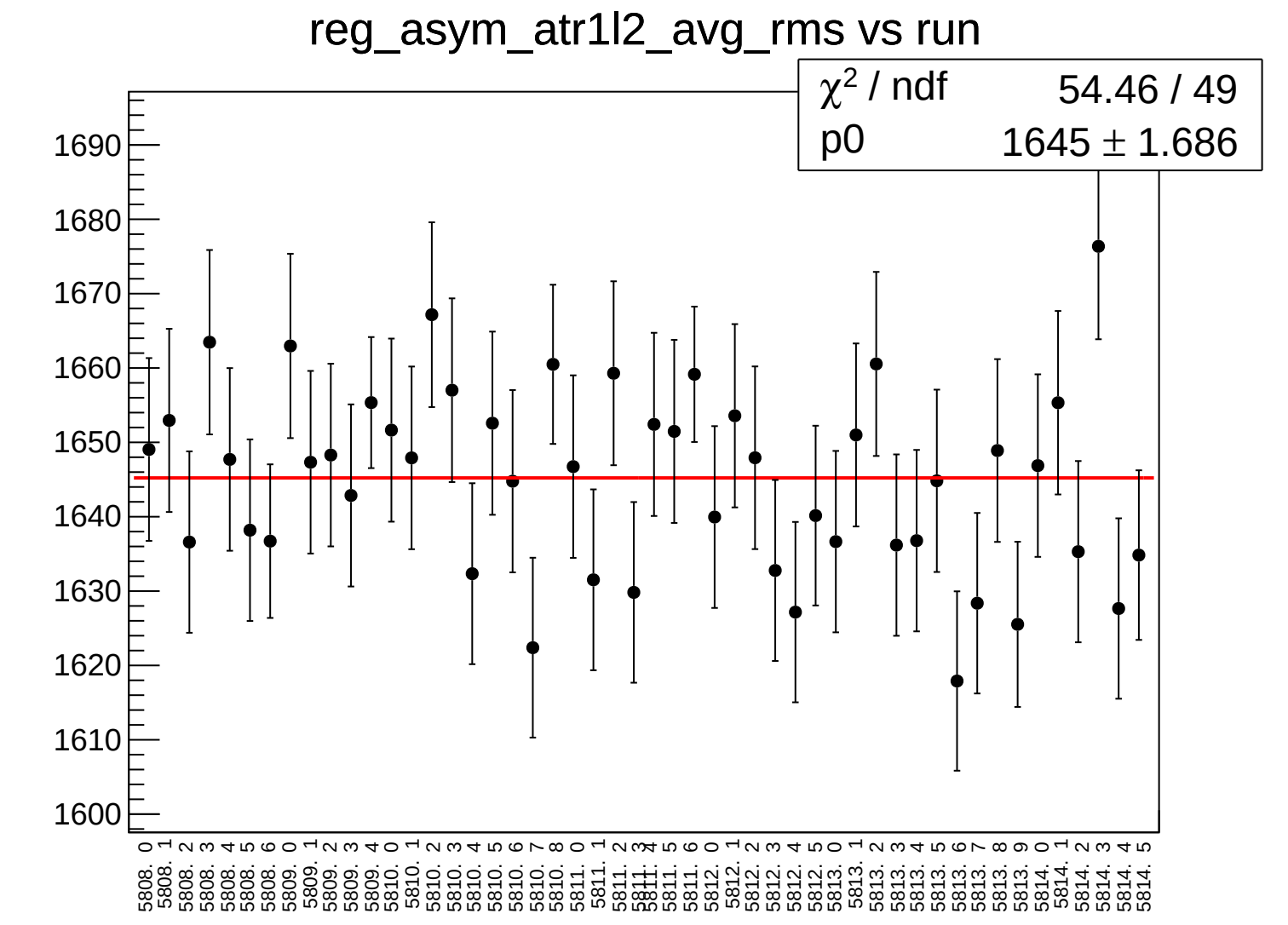

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.93e+04 / 49
p0 181.1 ± 0.1876
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

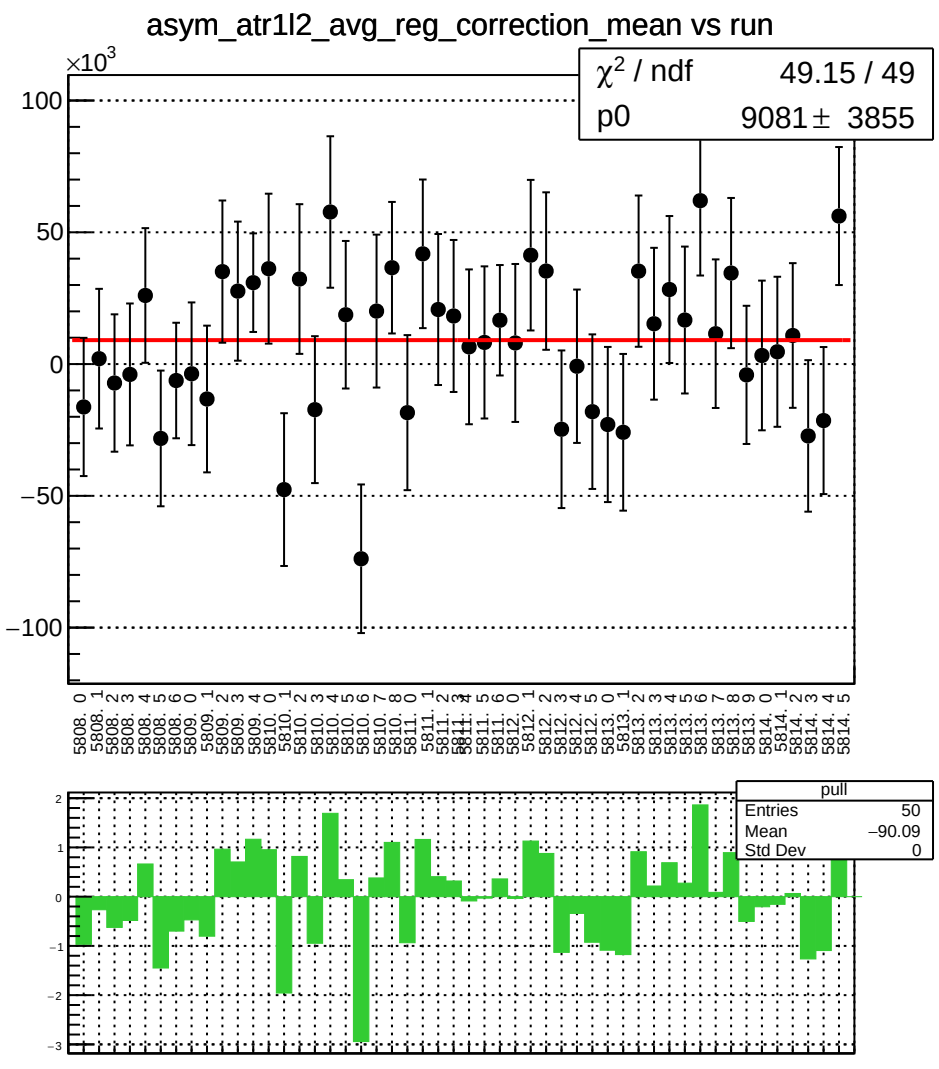

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.4 / 49
p0 −1.451e−13 ± 2.153e−13
pull
Entries 50
Mean 52.36
Std Dev 23.75

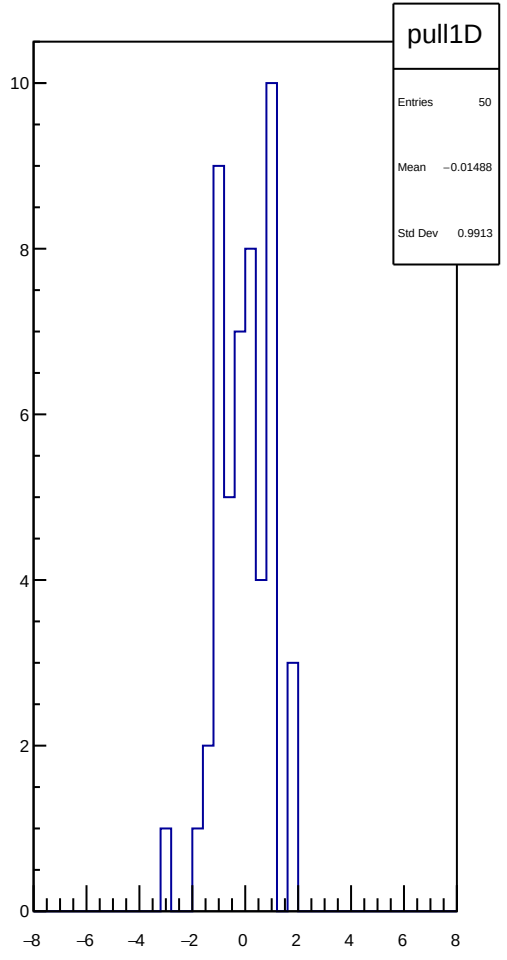

pull1D
Entries 50
Mean −0.03548
Std Dev 1.089

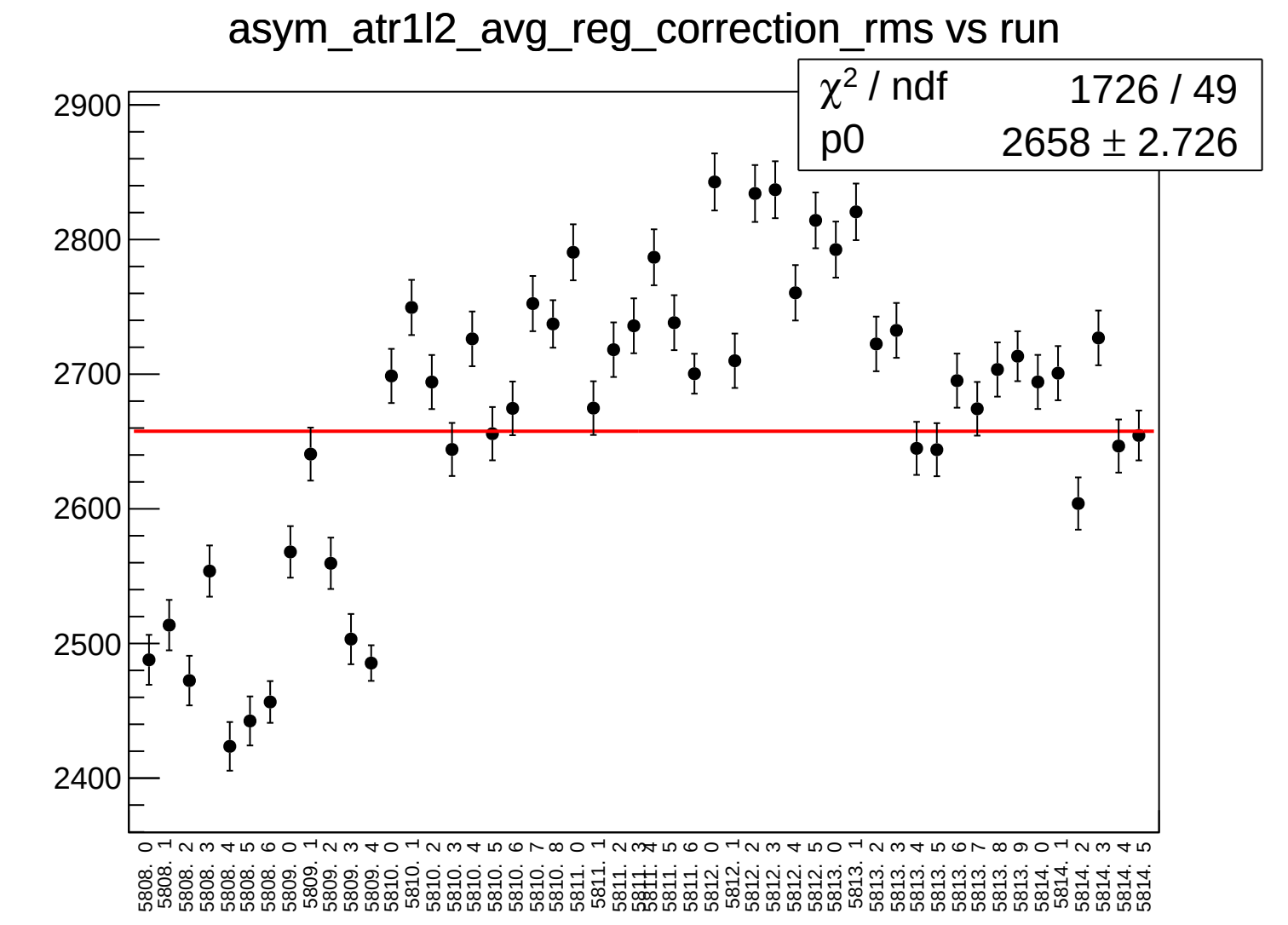

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.687e+05 / 49
p0 1.163e−10 ± 1.522e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atr1l2_avg_mean vs run
χ² / ndf 51.57 / 49
p0 −3925 ± 2385
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 18.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01608
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1l2_avg_rms vs run
χ² / ndf 54.46 / 49
p0 1645 ± 1.686
1690
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 49.15 / 49
p0 9081 ± 3855
100
50
0
−50
−100
pull
Entries 50
Mean −90.09
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01488
Std Dev 0.9913
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 1726 / 49
p0 2658 ± 2.726
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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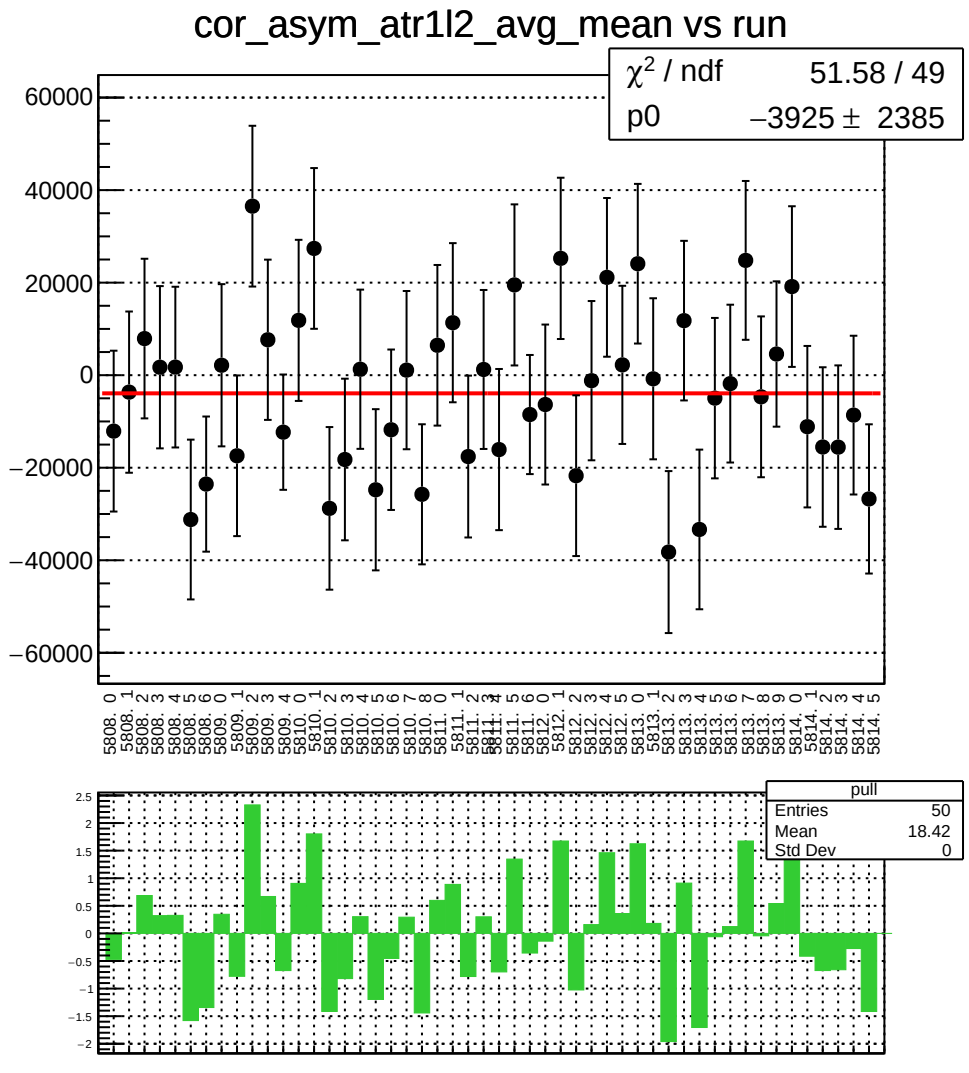
5814. 4
5814. 5


cor_asym_atr1l2_avg_mean vs run
χ² / ndf 51.58 / 49
p0 −3925 ± 2385
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
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5813. 6
5813. 7
5813. 8
5813. 9
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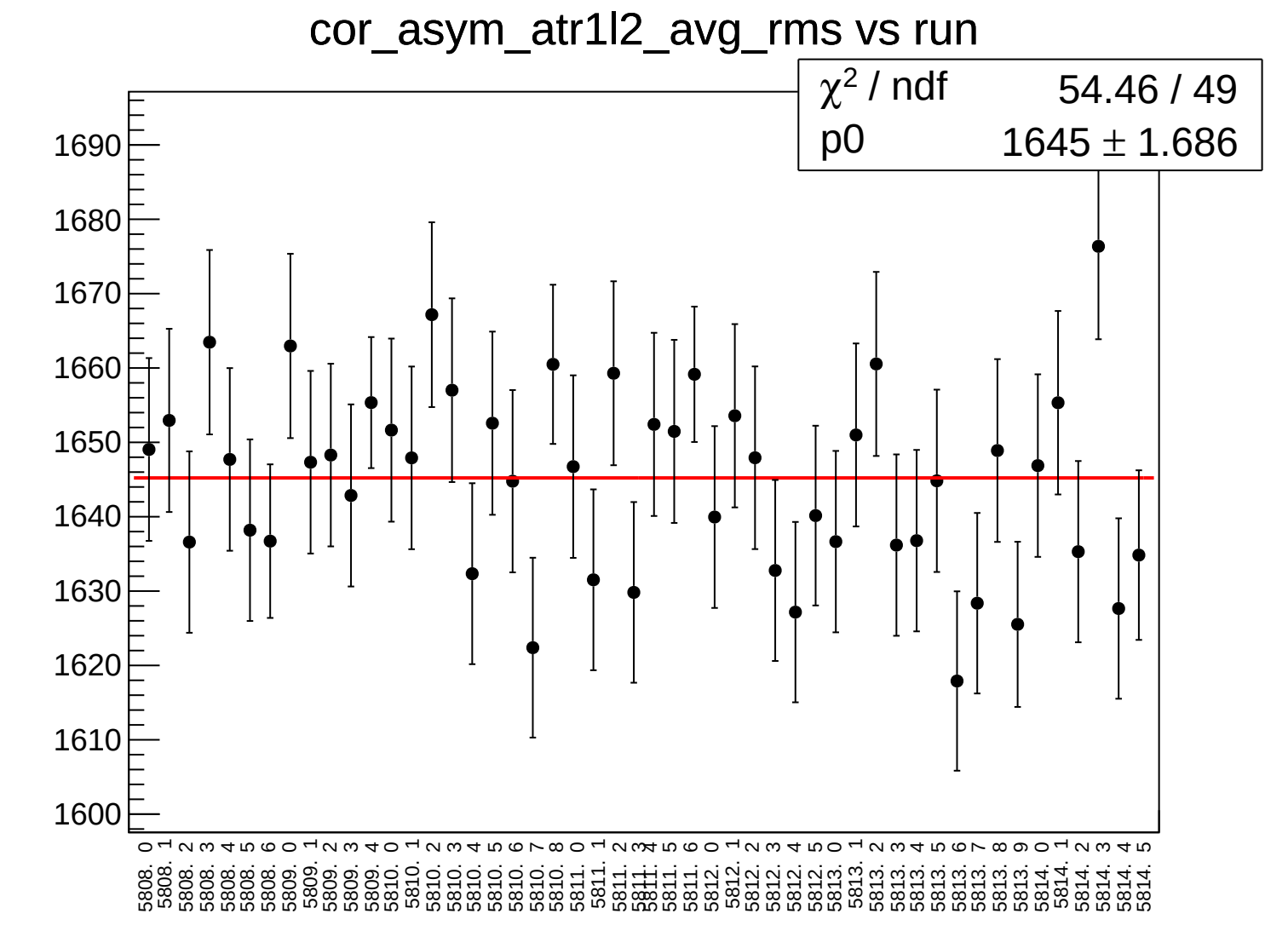
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 18.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01608
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1l2_avg_rms vs run
χ² / ndf 54.46 / 49
p0 1645 ± 1.686
1690
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
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5810. 2
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5811. 0
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5811. 2
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5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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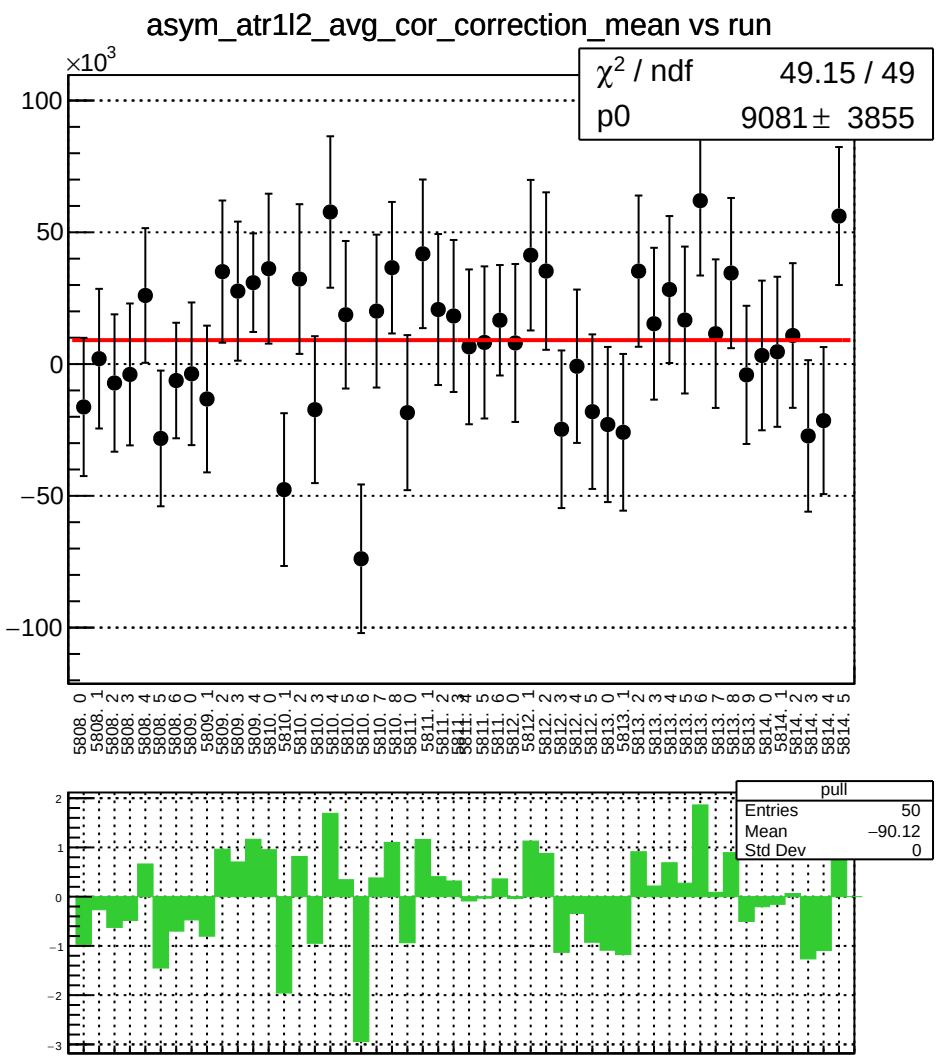
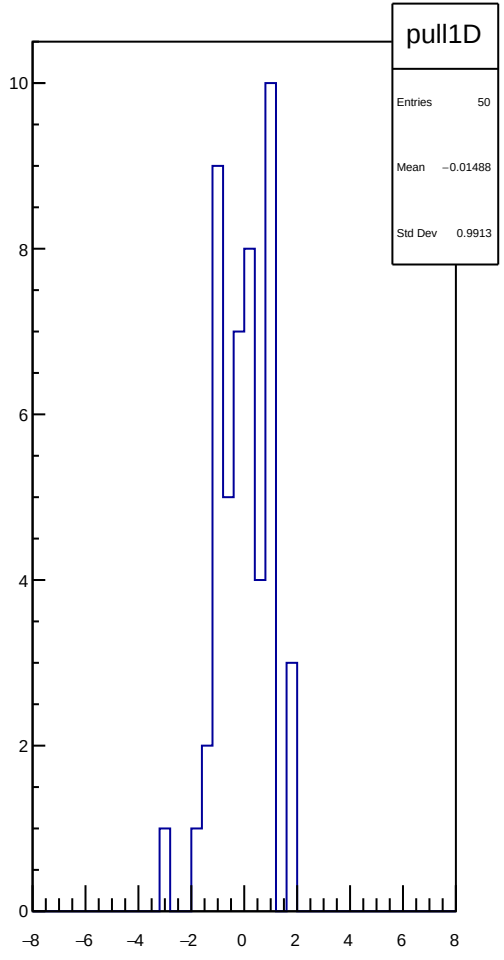
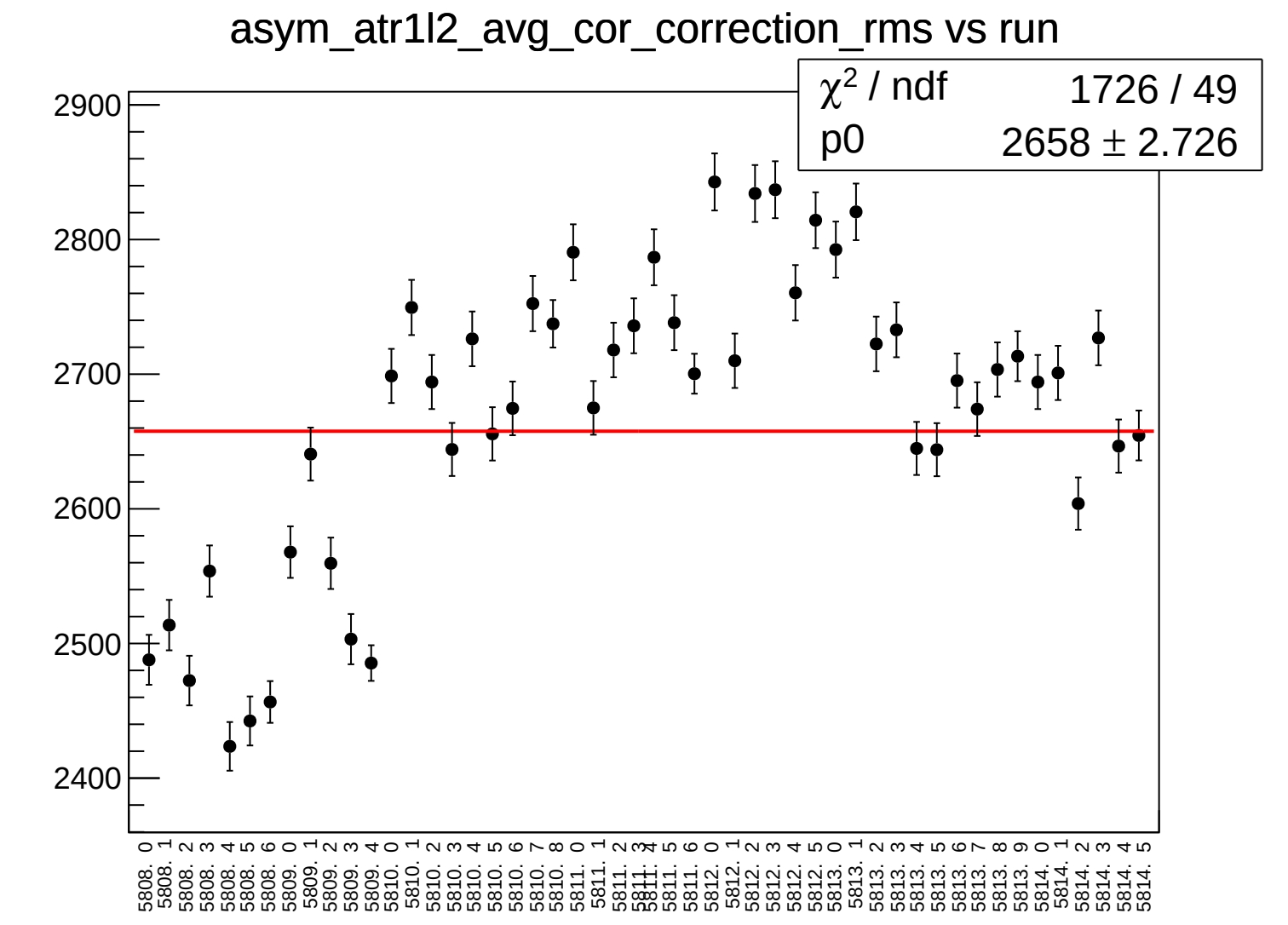
5814. 4
5814. 5


asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.15 / 49
p0 9081 ± 3855
100
50
0
−50
−100
pull
Entries 50
Mean −90.12
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01488
Std Dev 0.9913
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 1726 / 49
p0 2658 ± 2.726
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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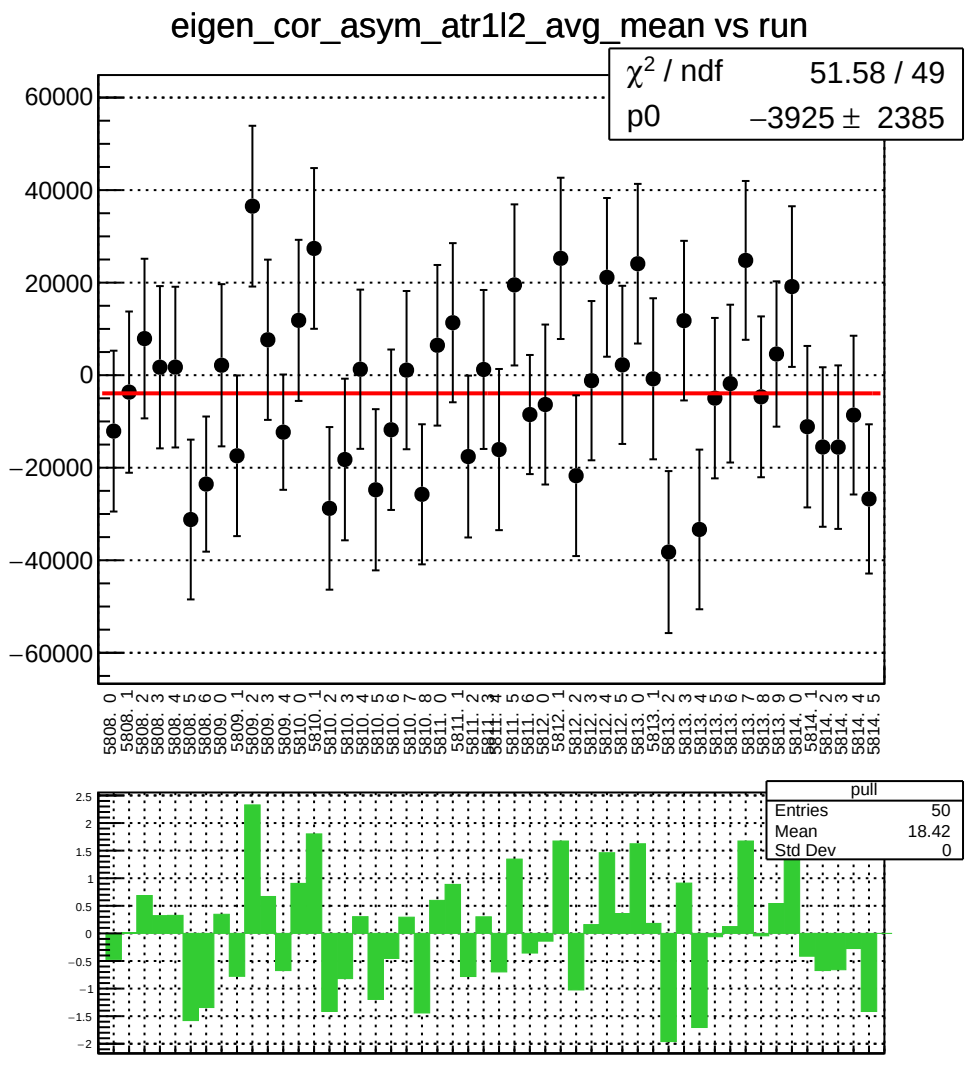
5814. 5


eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 51.58 / 49
p0 −3925 ± 2385
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
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5813. 1
5813. 2
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5813. 4
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5813. 6
5813. 7
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5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 18.42
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01608
Std Dev 1.016
10
8
6
4
2
0
−8
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−4
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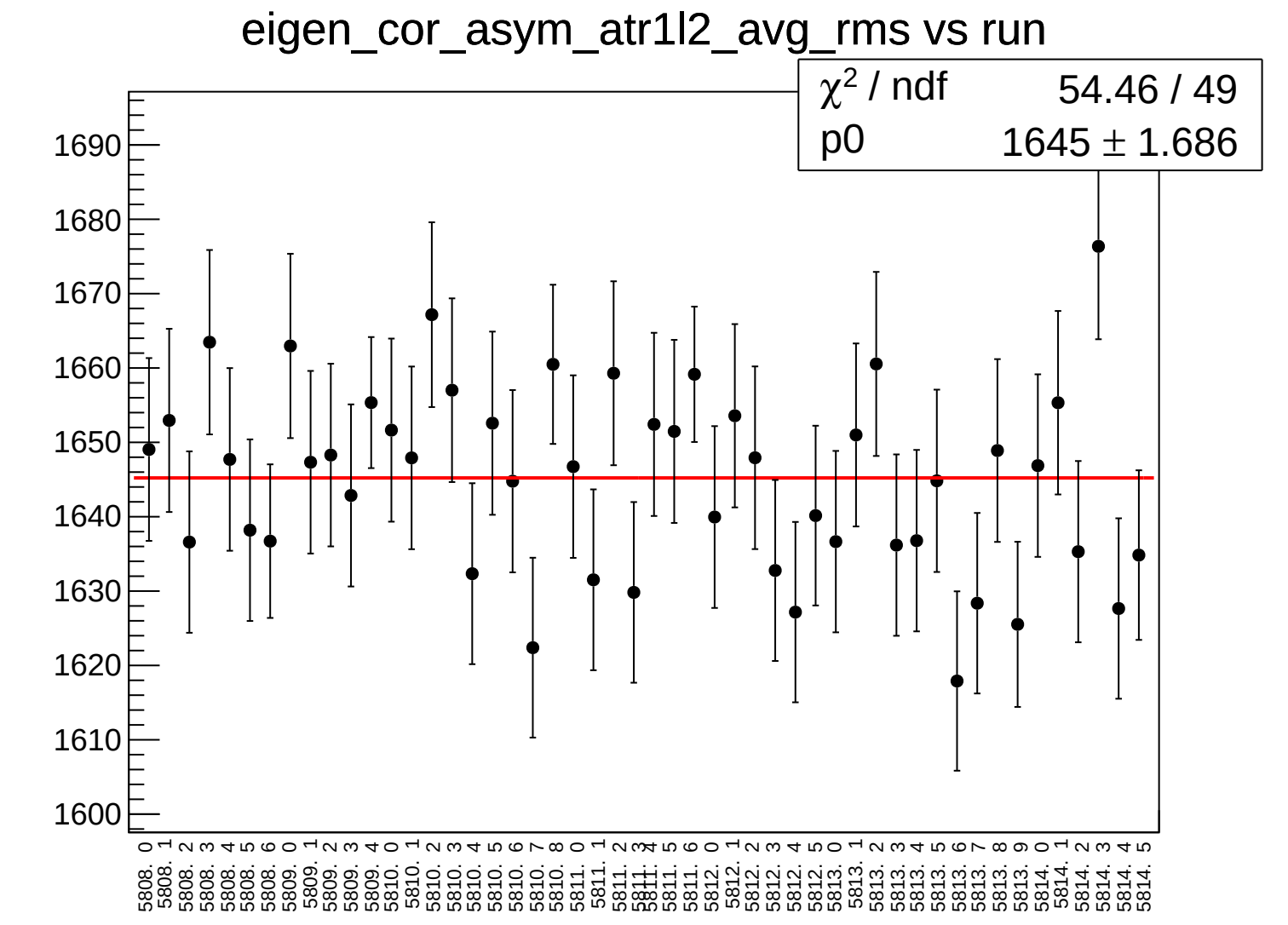
eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 54.46 / 49
p0 1645 ± 1.686
1690
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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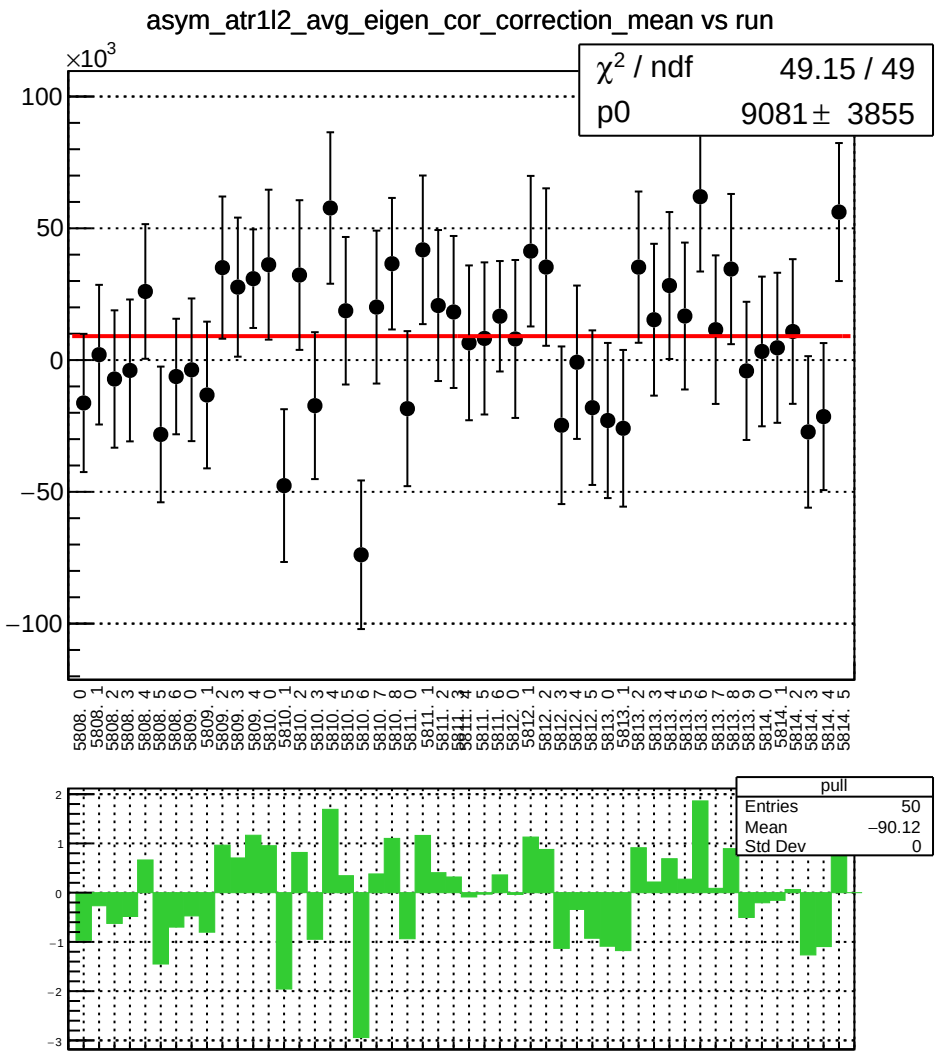
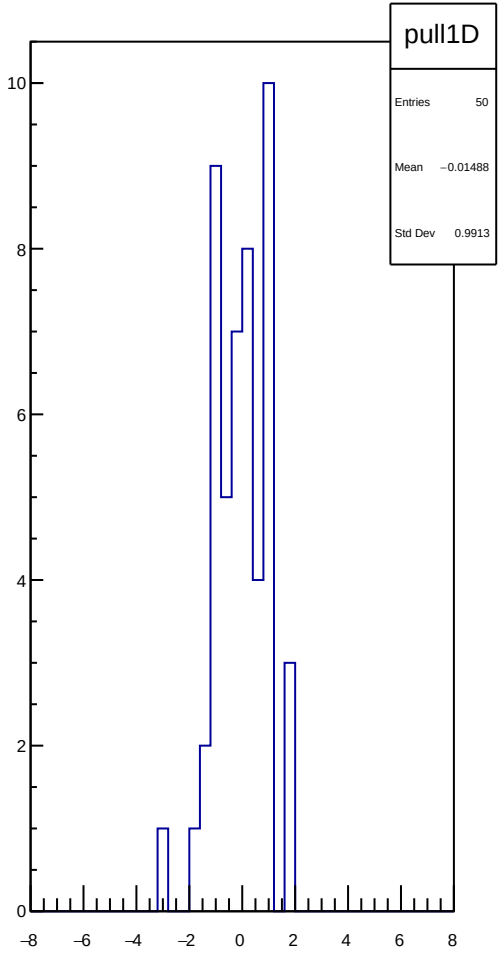
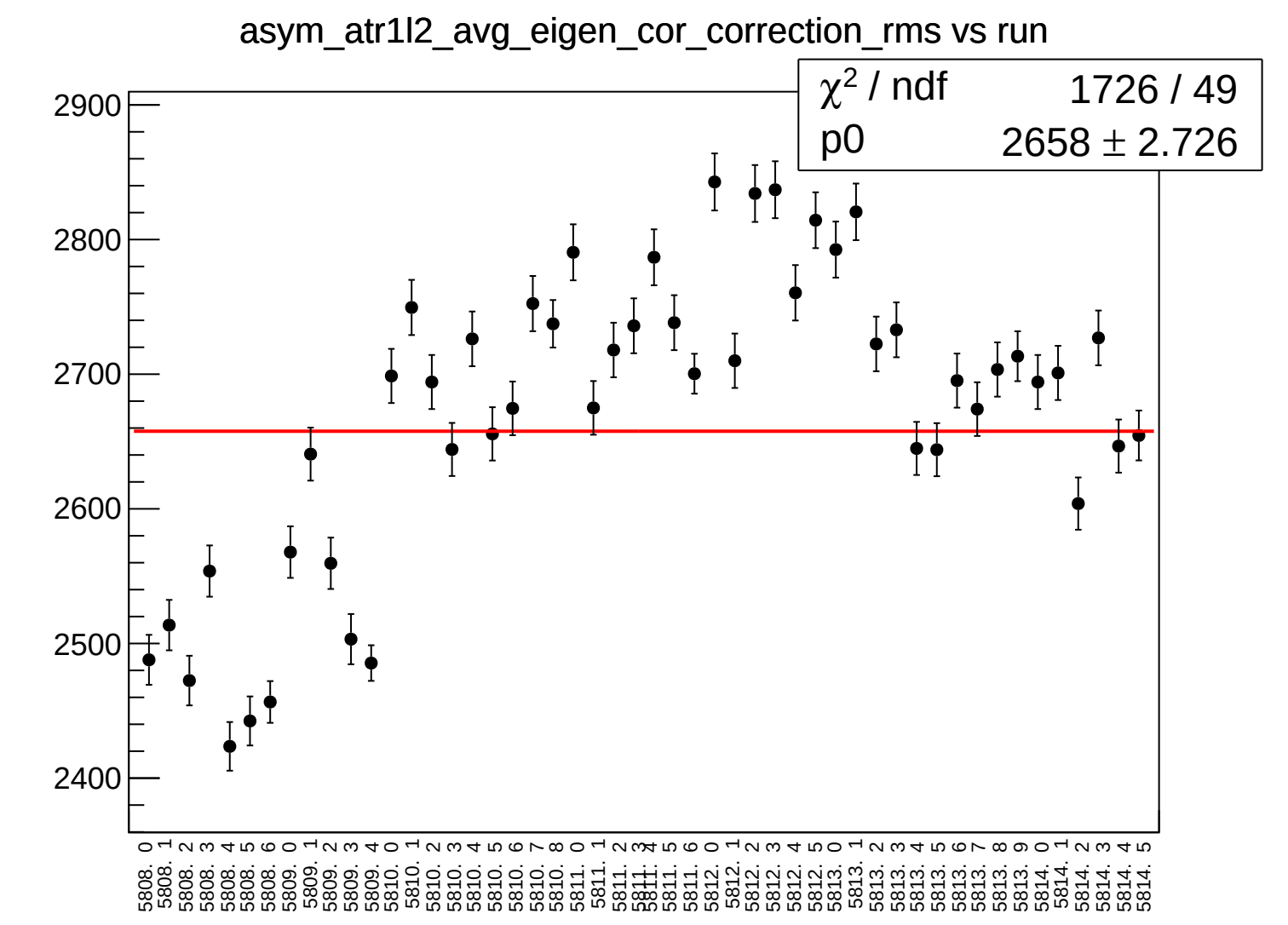

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.15 / 49
p0 9081 ± 3855
100
50
0
−50
−100
pull
Entries 50
Mean −90.12
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01488
Std Dev 0.9913
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 1726 / 49
p0 2658 ± 2.726
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
5813. 1
5813. 2
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5813. 5
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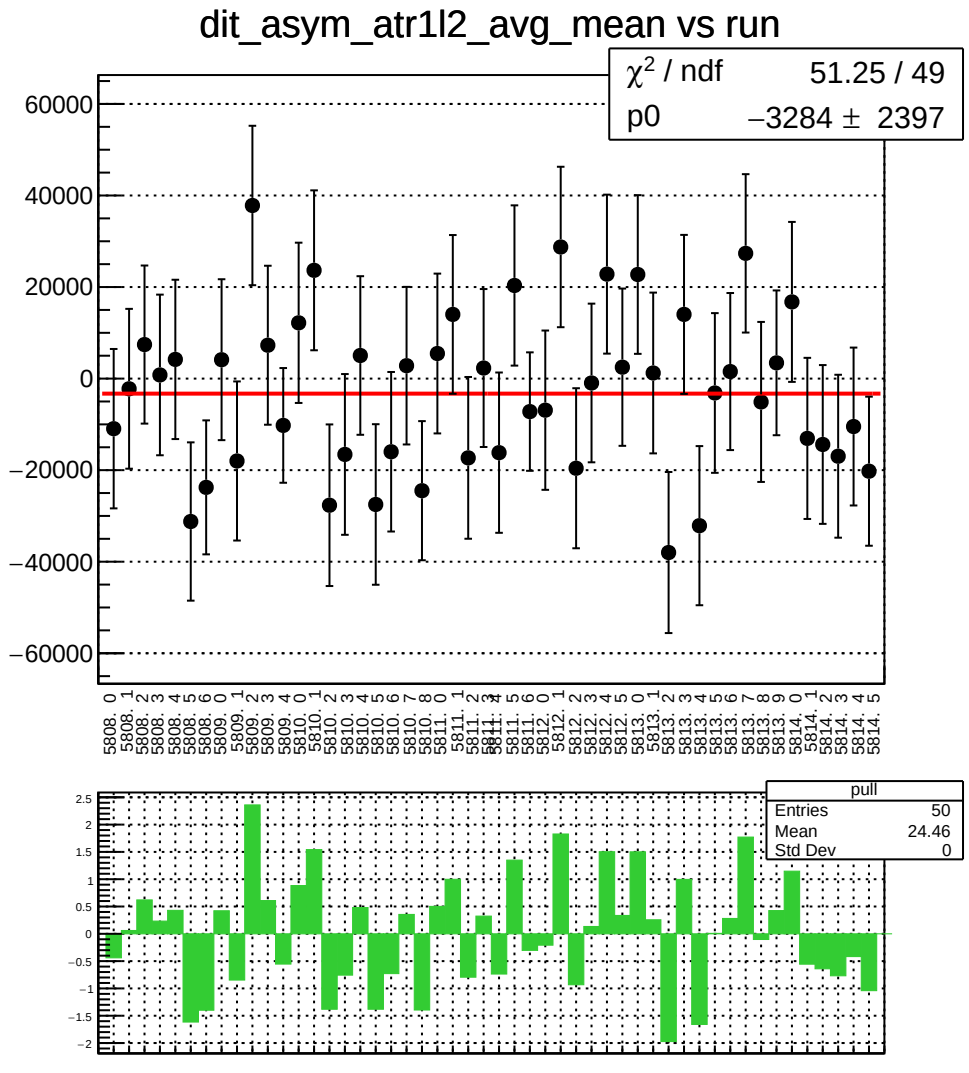
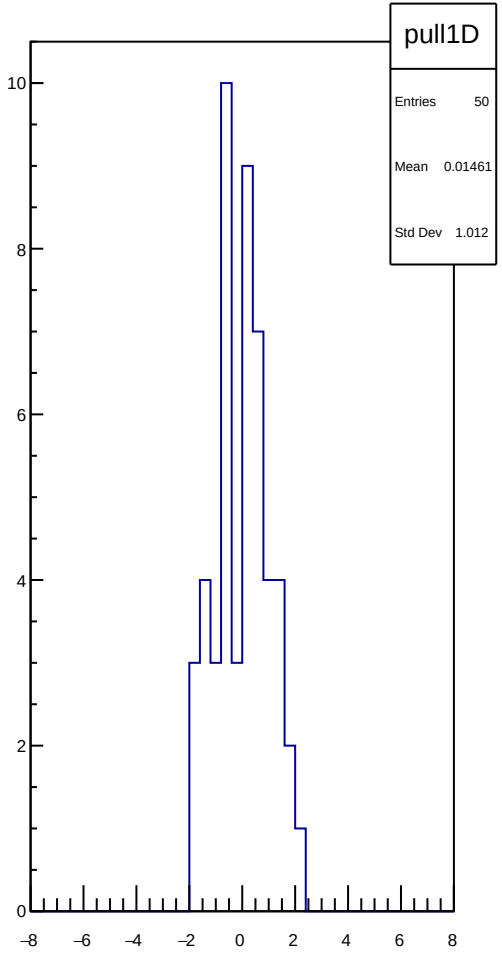
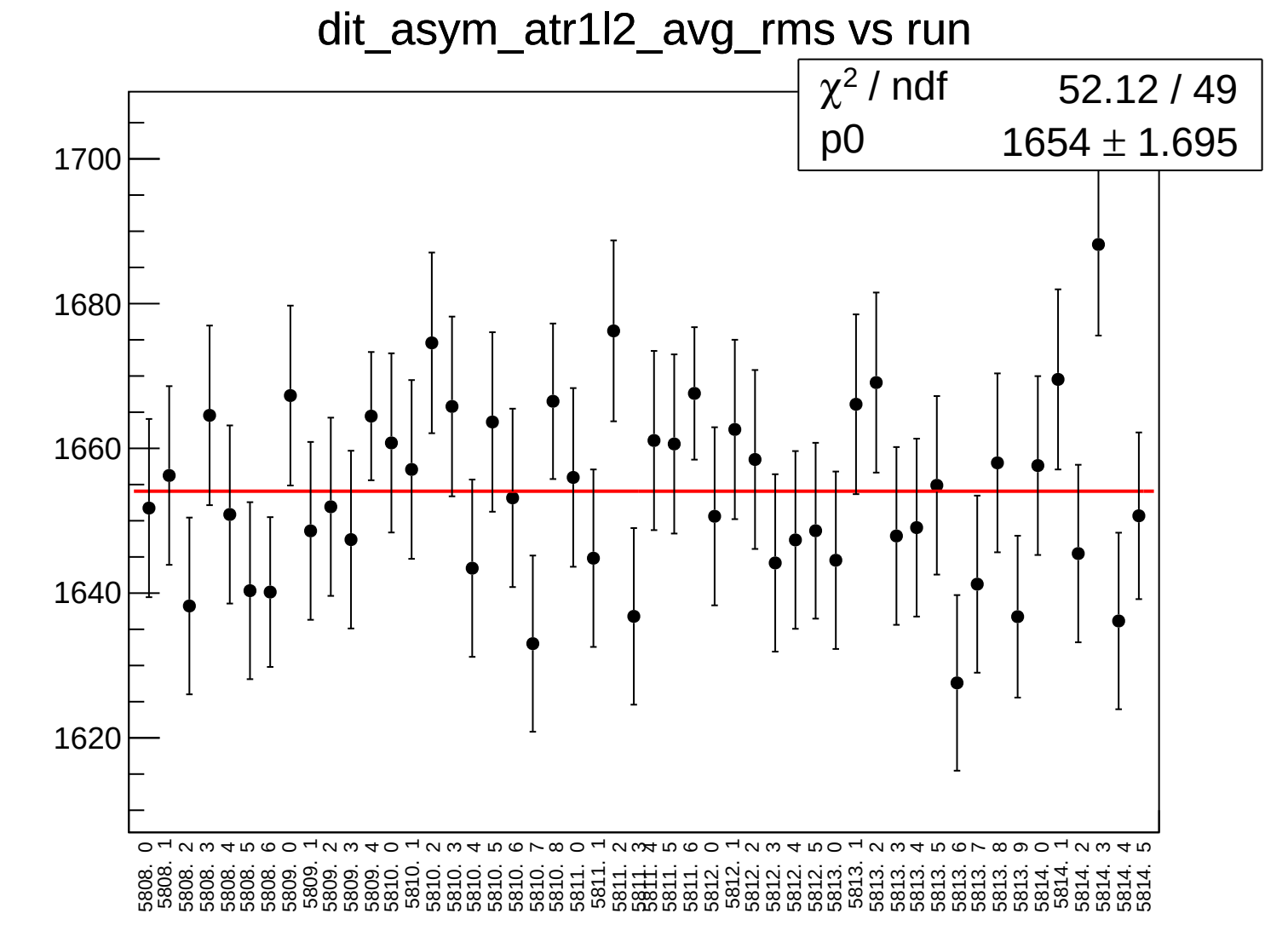
5814. 4
5814. 5


dit_asym_atr1l2_avg_mean vs run
χ² / ndf 51.25 / 49
p0 −3284 ± 2397
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 24.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.01461
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1l2_avg_rms vs run
χ² / ndf 52.12 / 49
p0 1654 ± 1.695
1700
1680
1660
1640
1620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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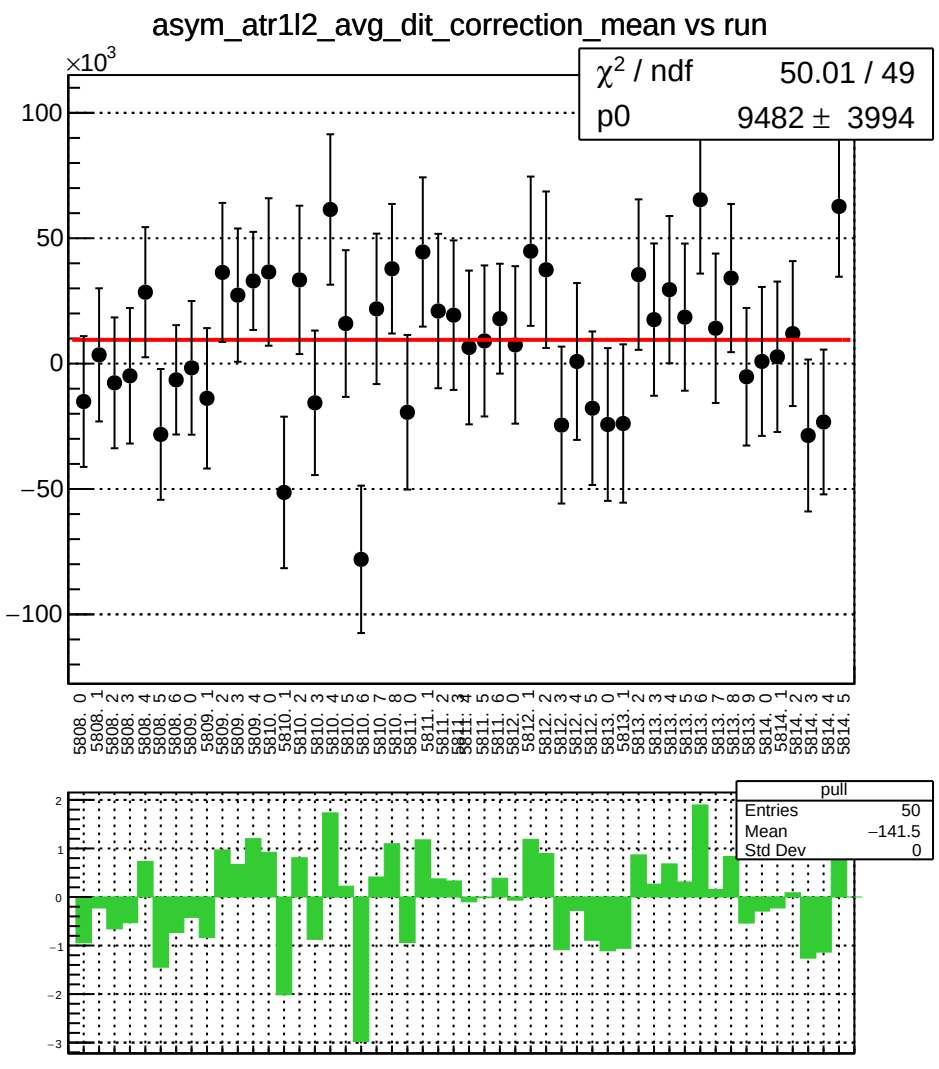
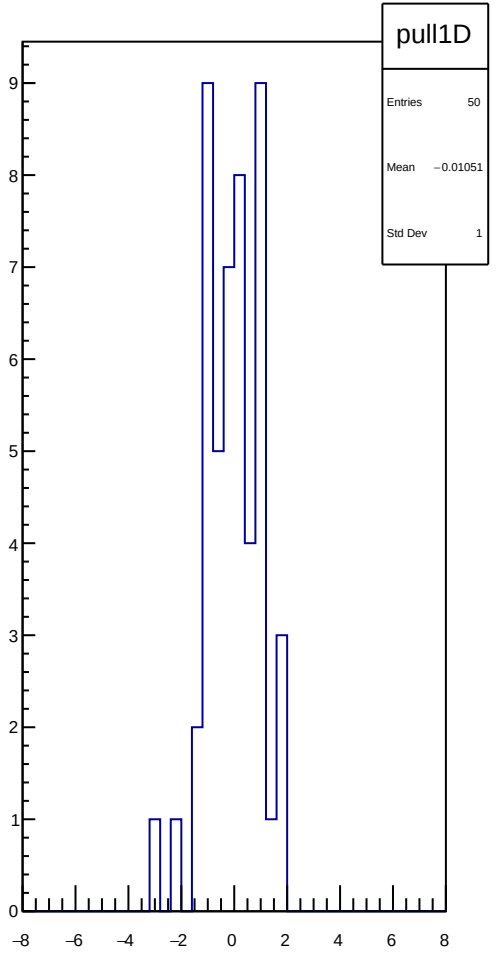
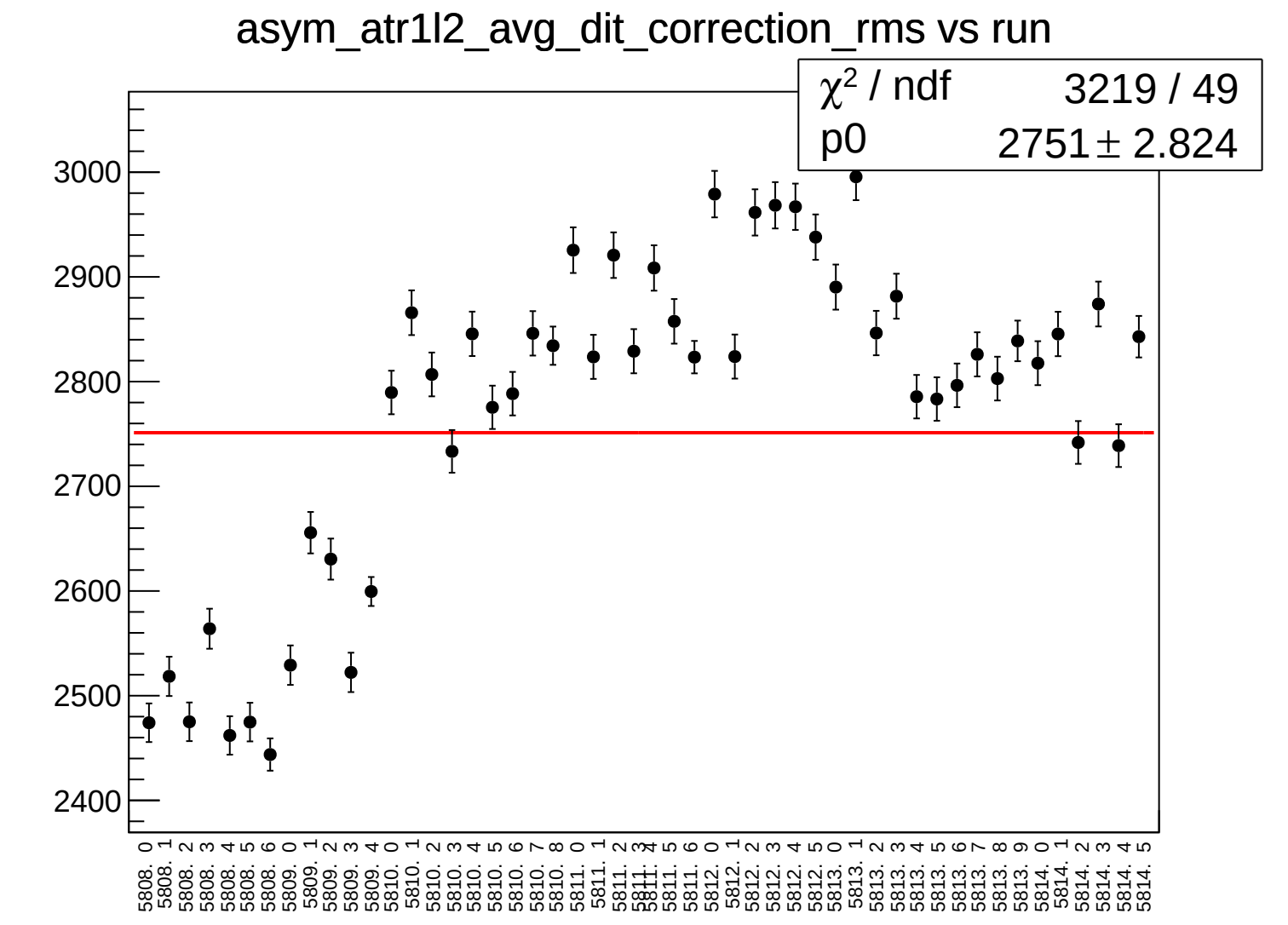
5814. 5


asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.01 / 49
p0 9482 ± 3994
100
50
0
−50
−100
pull
Entries 50
Mean −141.5
Std Dev 0


pull1D
Entries 50
Mean −0.01051
Std Dev 1


asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 3219 / 49
p0 2751 ± 2.824
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5812. 4
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5813. 1
5813. 2
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5814. 0
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5814. 2
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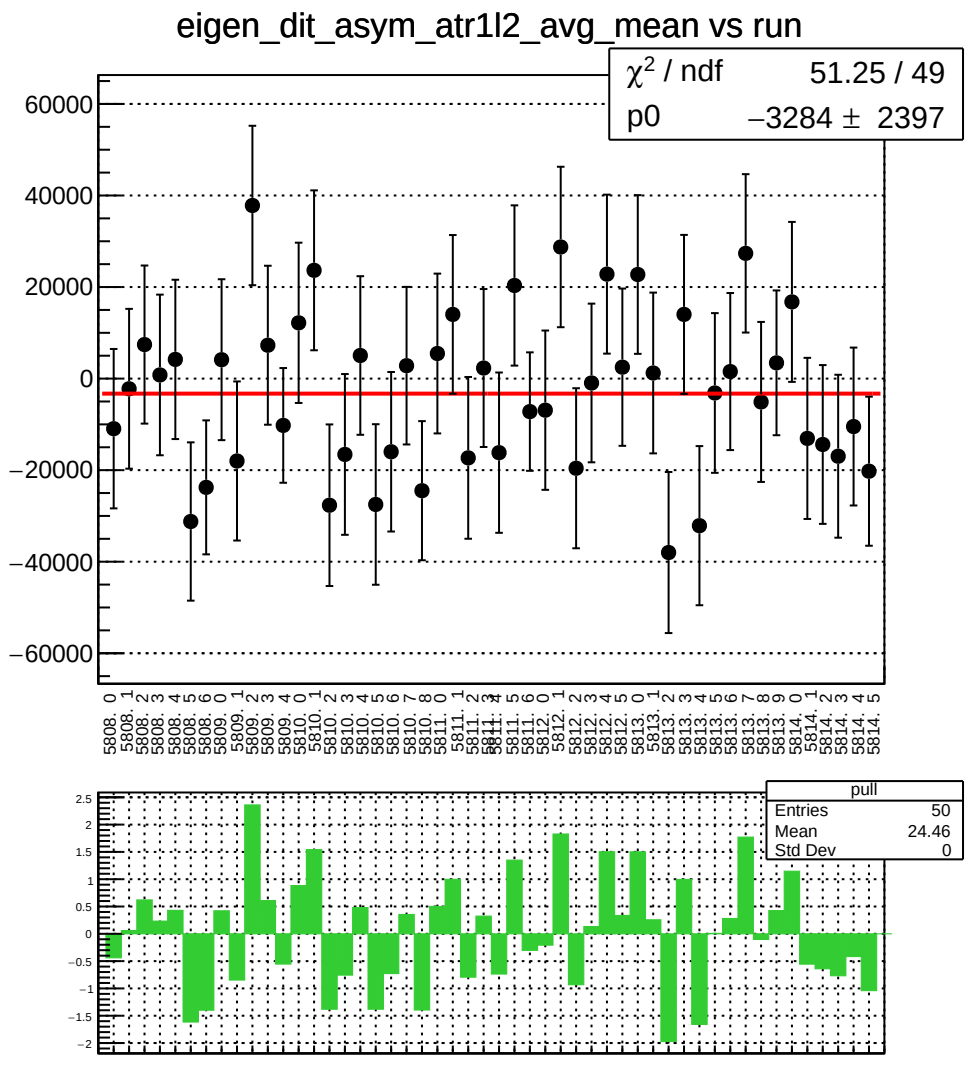
5814. 4
5814. 5


eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 51.25 / 49
p0 −3284 ± 2397
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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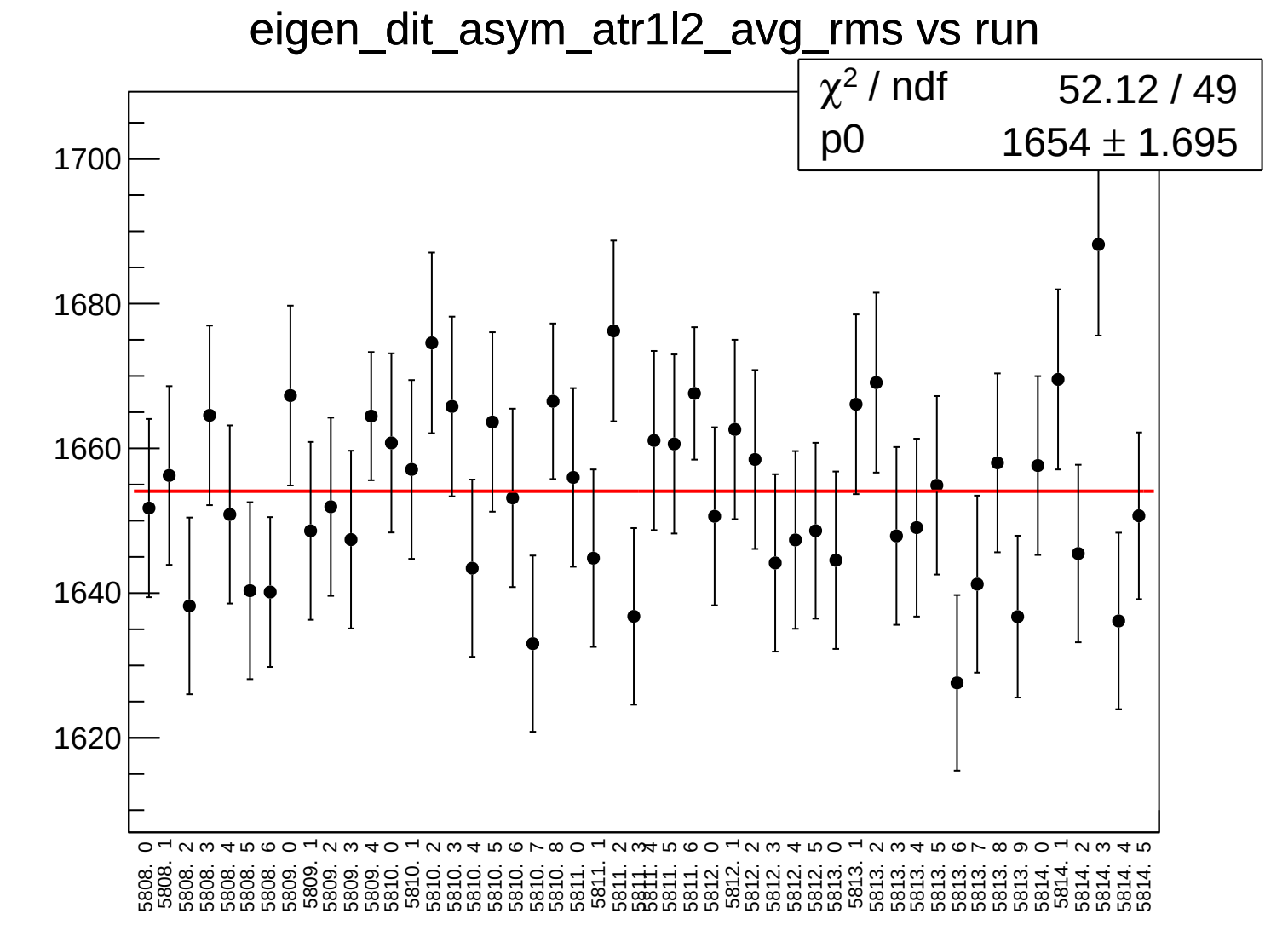
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 24.46
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01461
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 52.12 / 49
p0 1654 ± 1.695
1700
1680
1660
1640
1620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
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5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 5
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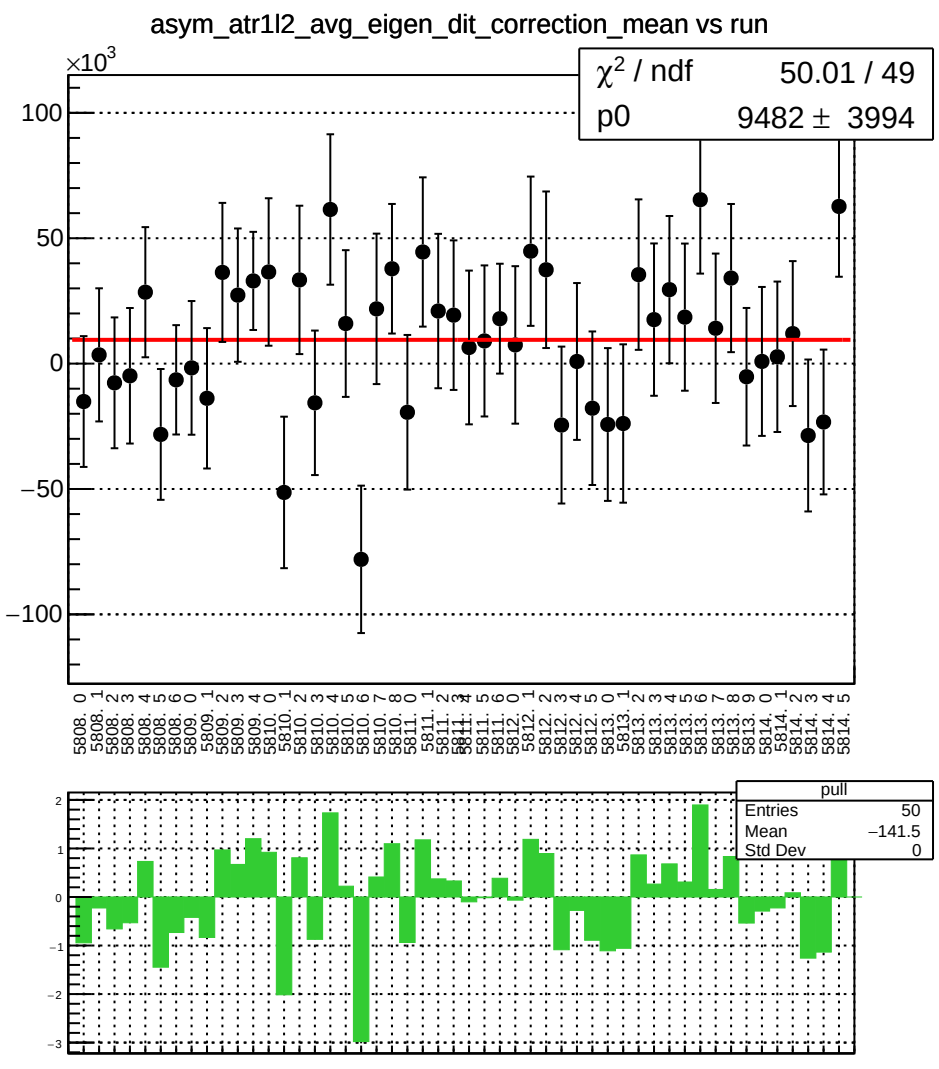
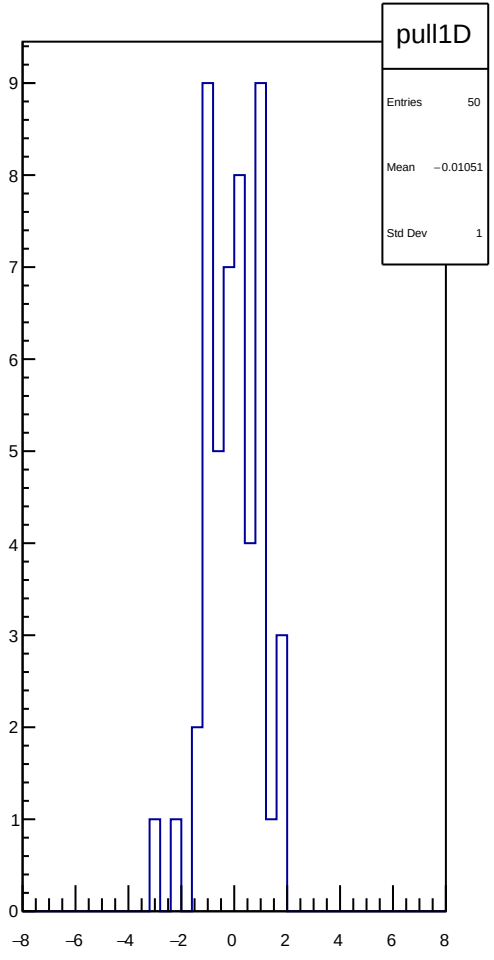
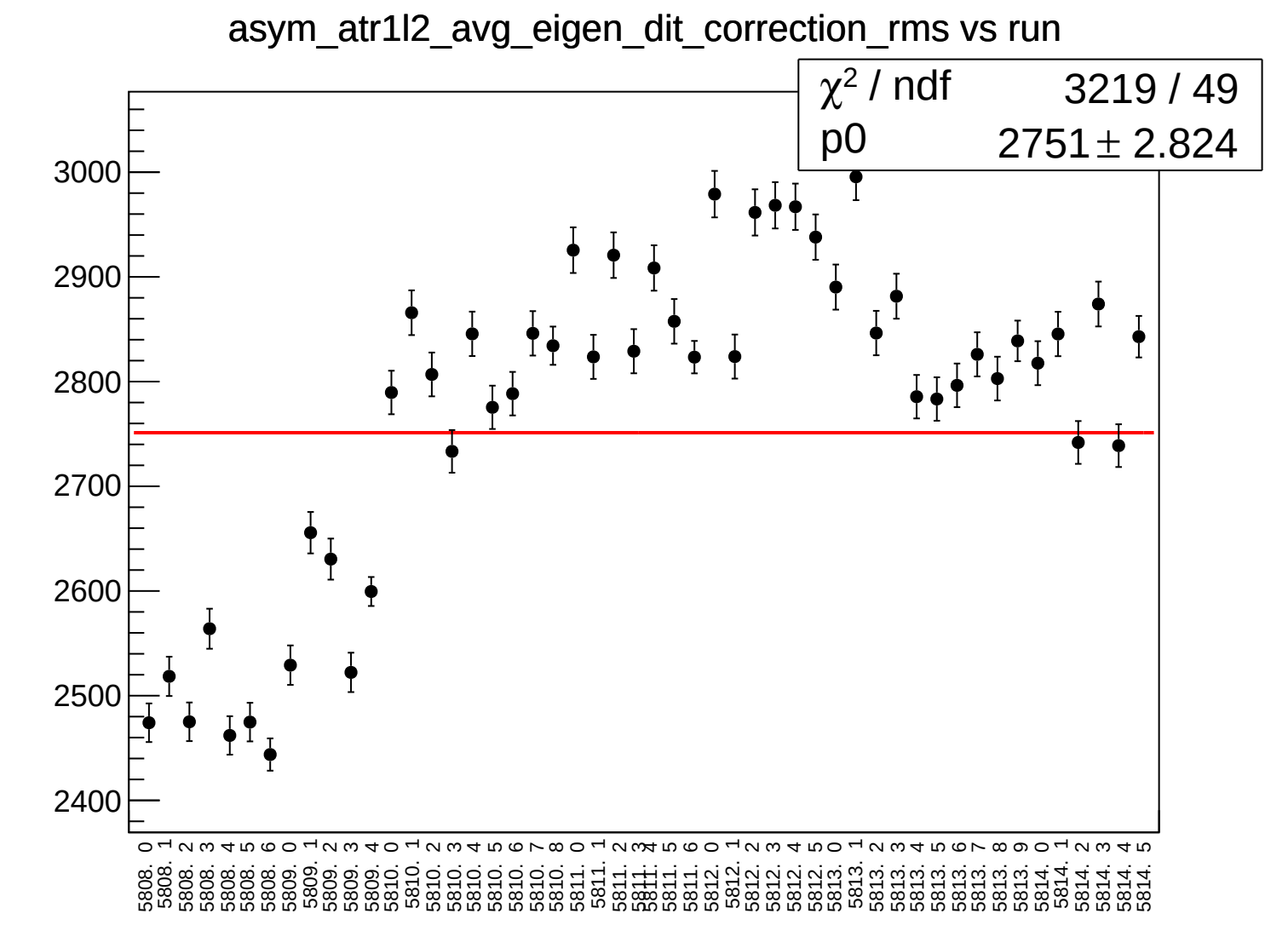
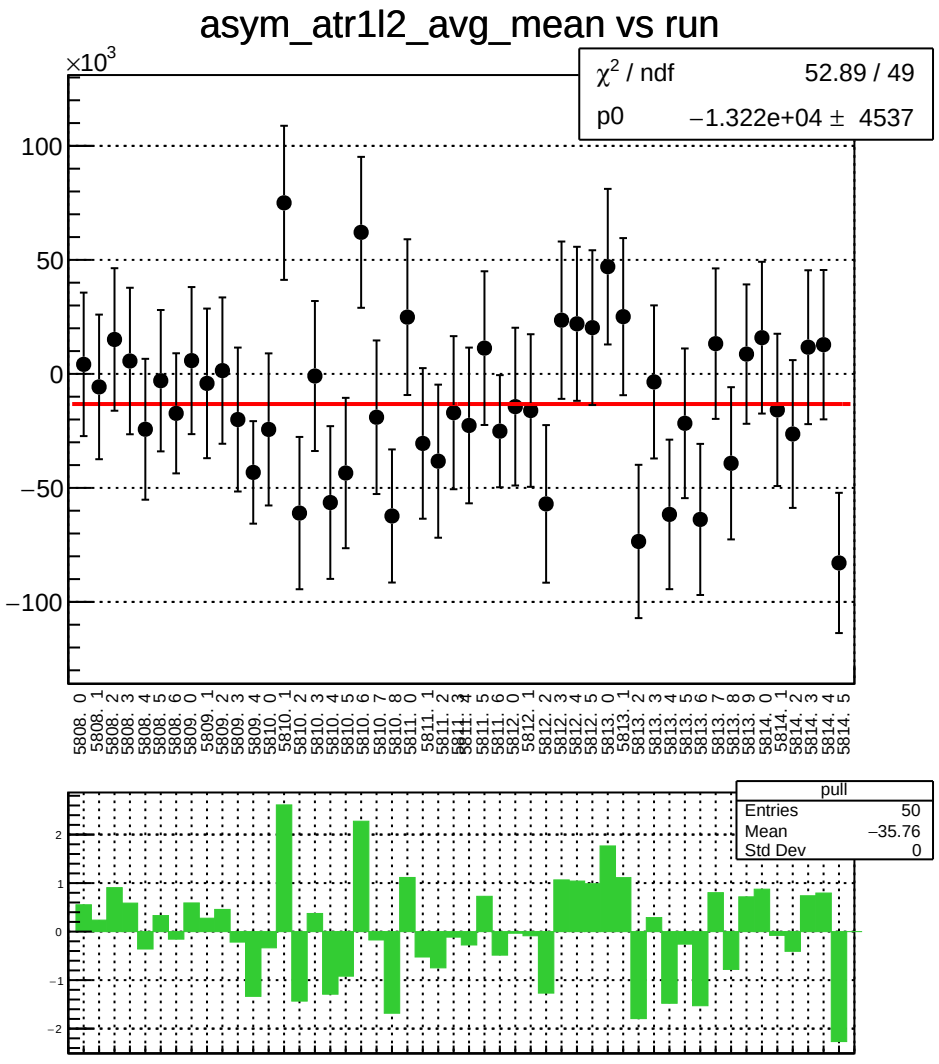
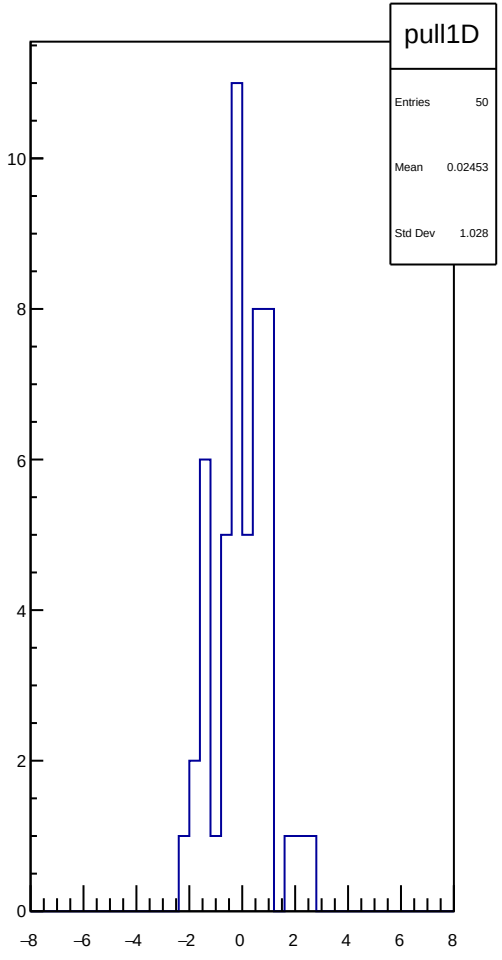
5814. 5

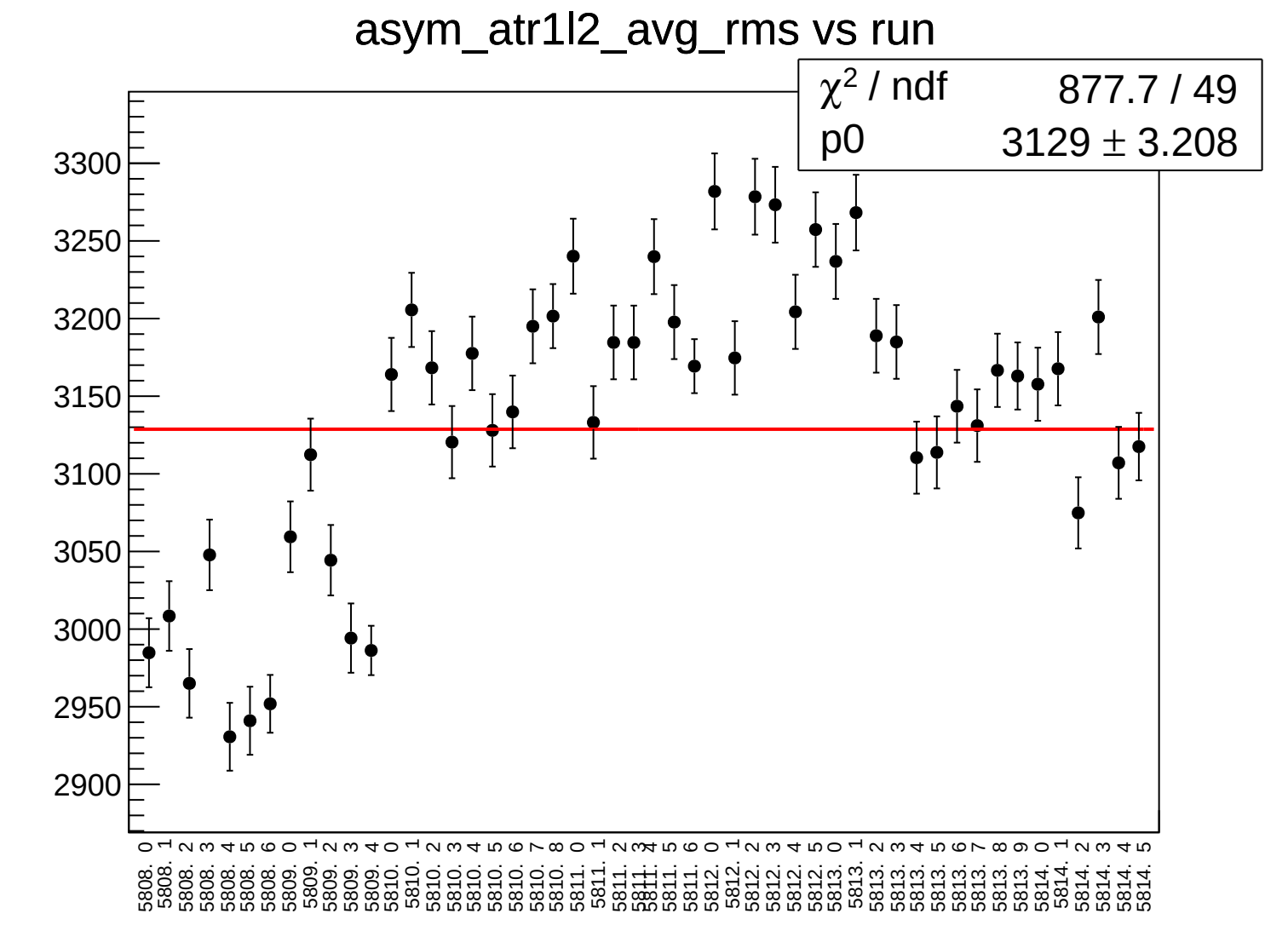

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.01 / 49
p0 9482 ± 3994
100
50
0
−50
−100
pull
Entries 50
Mean −141.5
Std Dev 0
2
1
0
−1
−2
−3

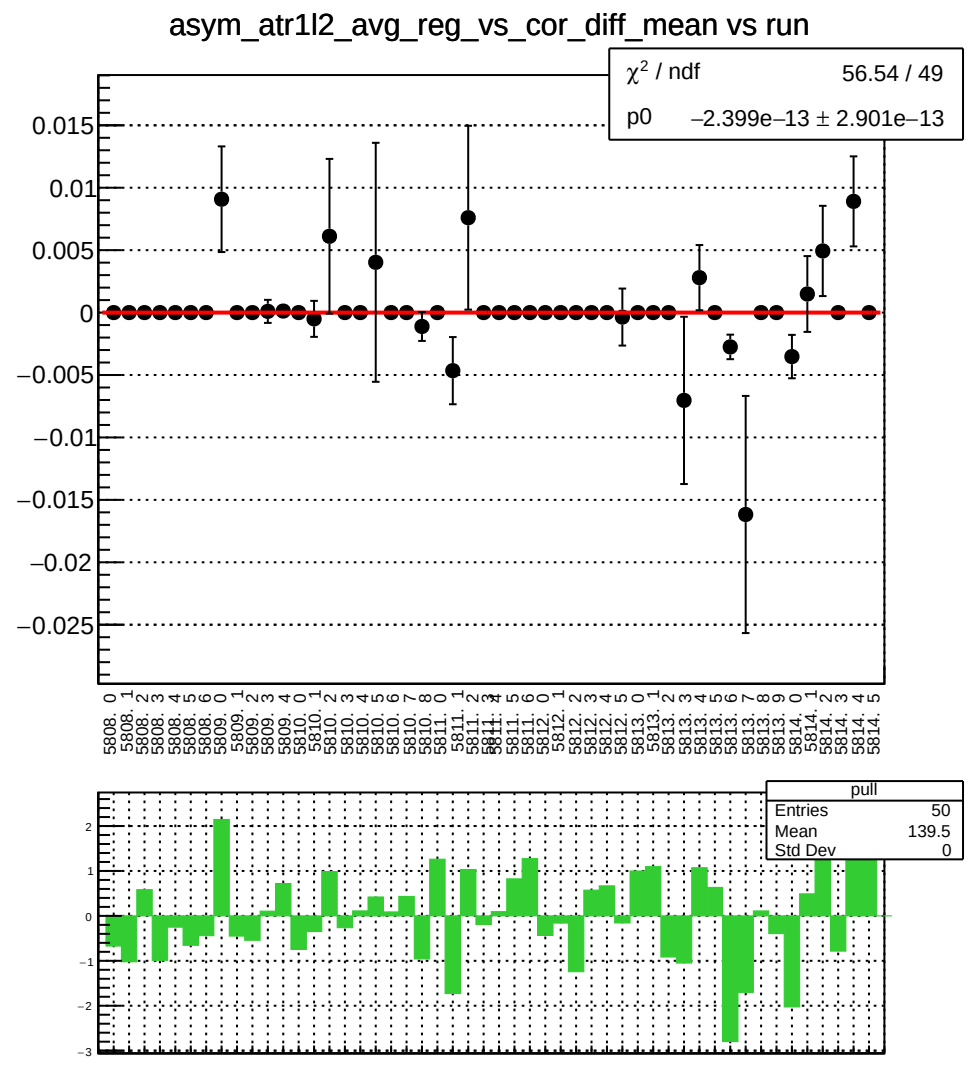

pull1D
Entries 50
Mean −0.01051
Std Dev 1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

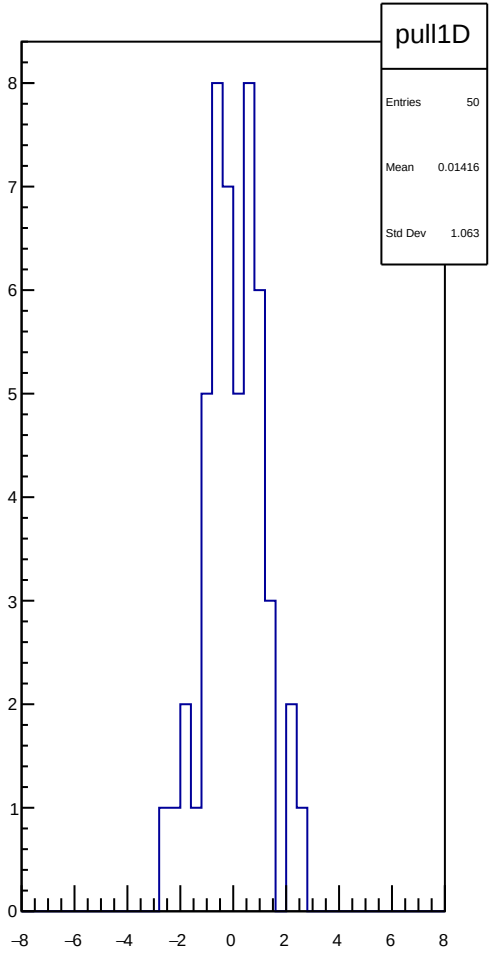

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3219 / 49
p0 2751 ± 2.824
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

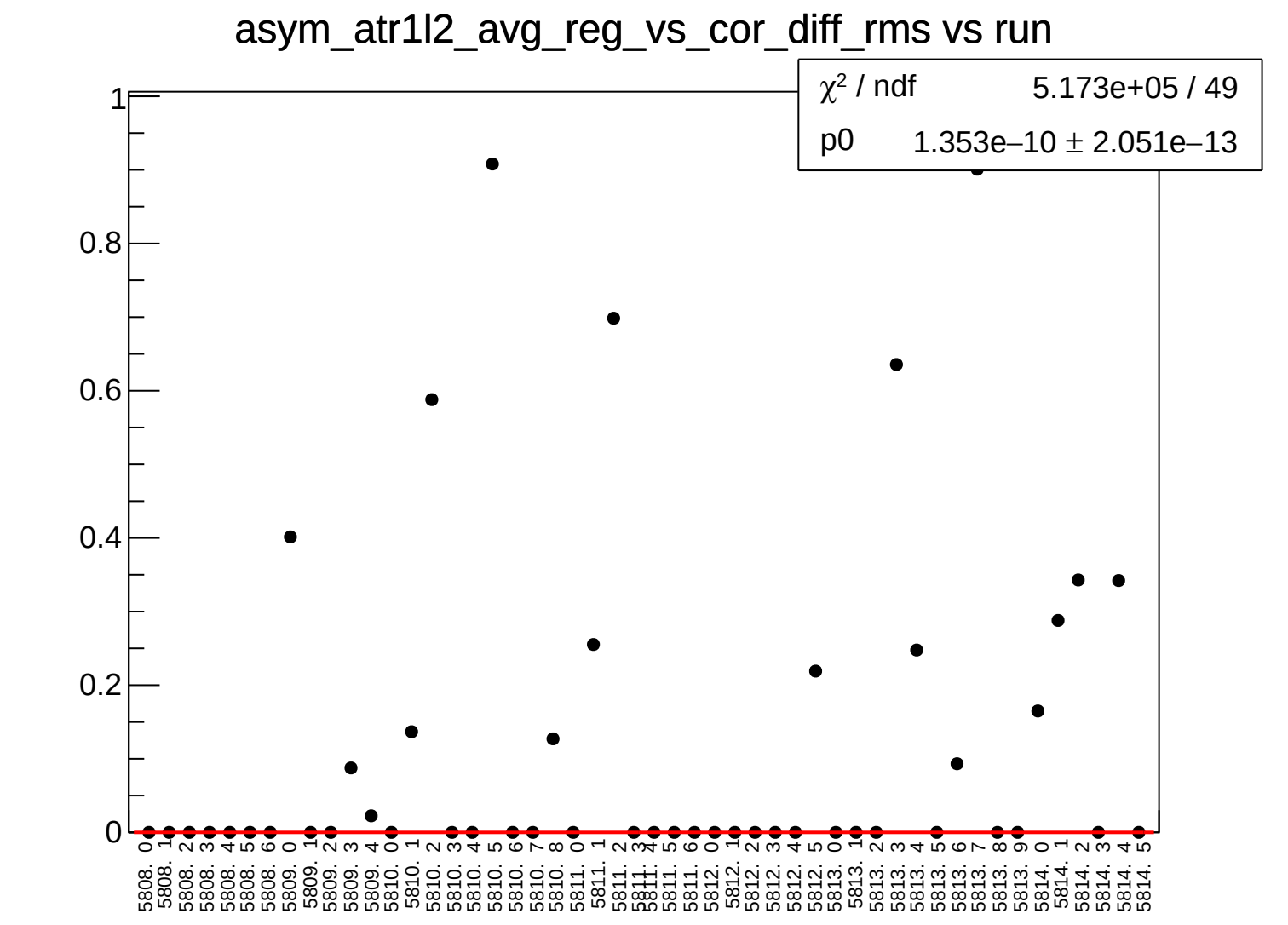

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 52.89 / 49
p0 −1.322e+04 ± 4537
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −35.76
Std Dev 0
2
1
0
−1
−2

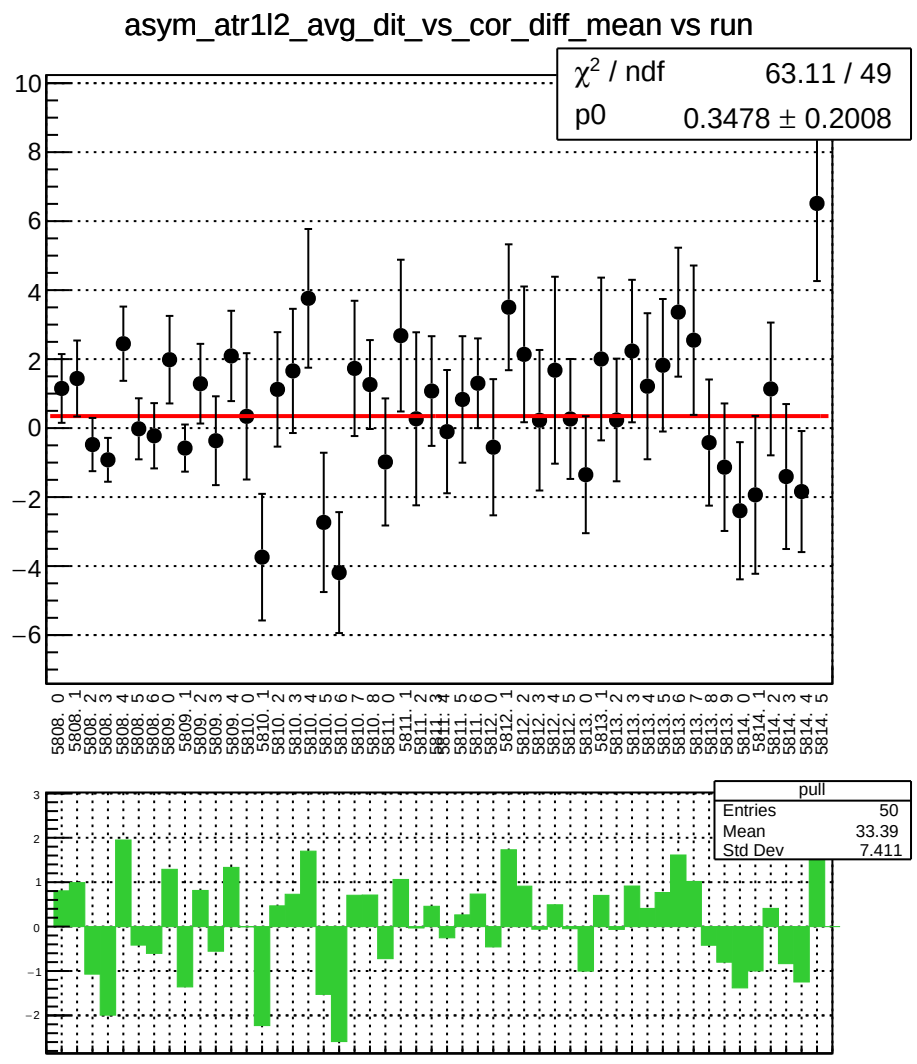

pull1D
Entries 50
Mean 0.02453
Std Dev 1.028
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

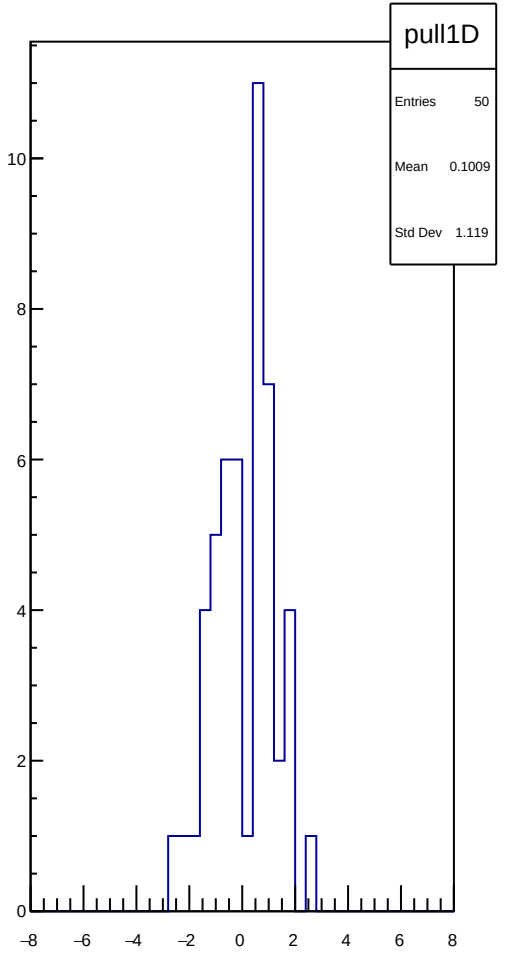

asym_atr1l2_avg_rms vs run
χ² / ndf 877.7 / 49
p0 3129 ± 3.208
3300
3250
3200
3150
3100
3050
3000
2950
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

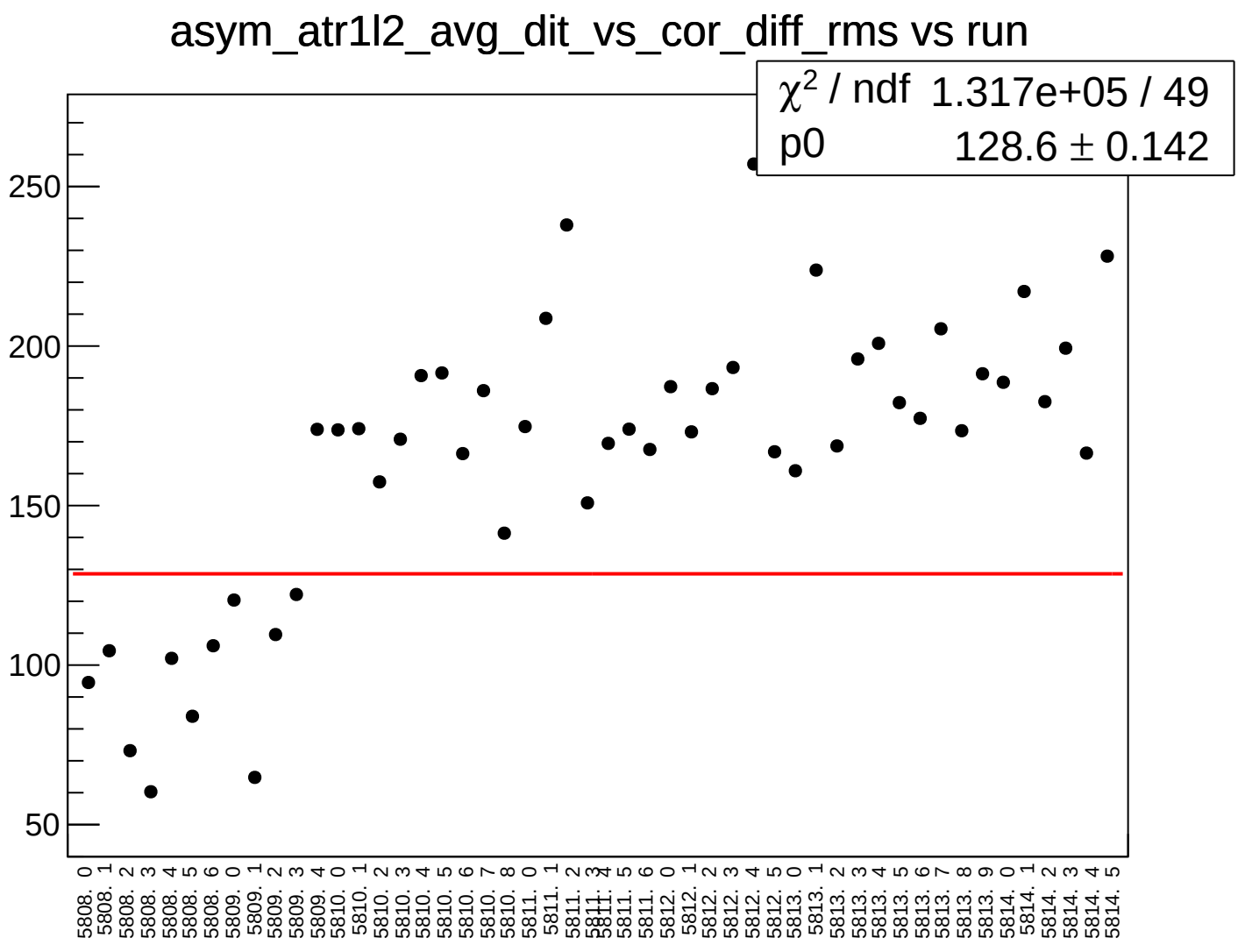

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.54 / 49
p0 −2.399e−13 ± 2.901e−13
pull
Entries 50
Mean 139.5
Std Dev 0

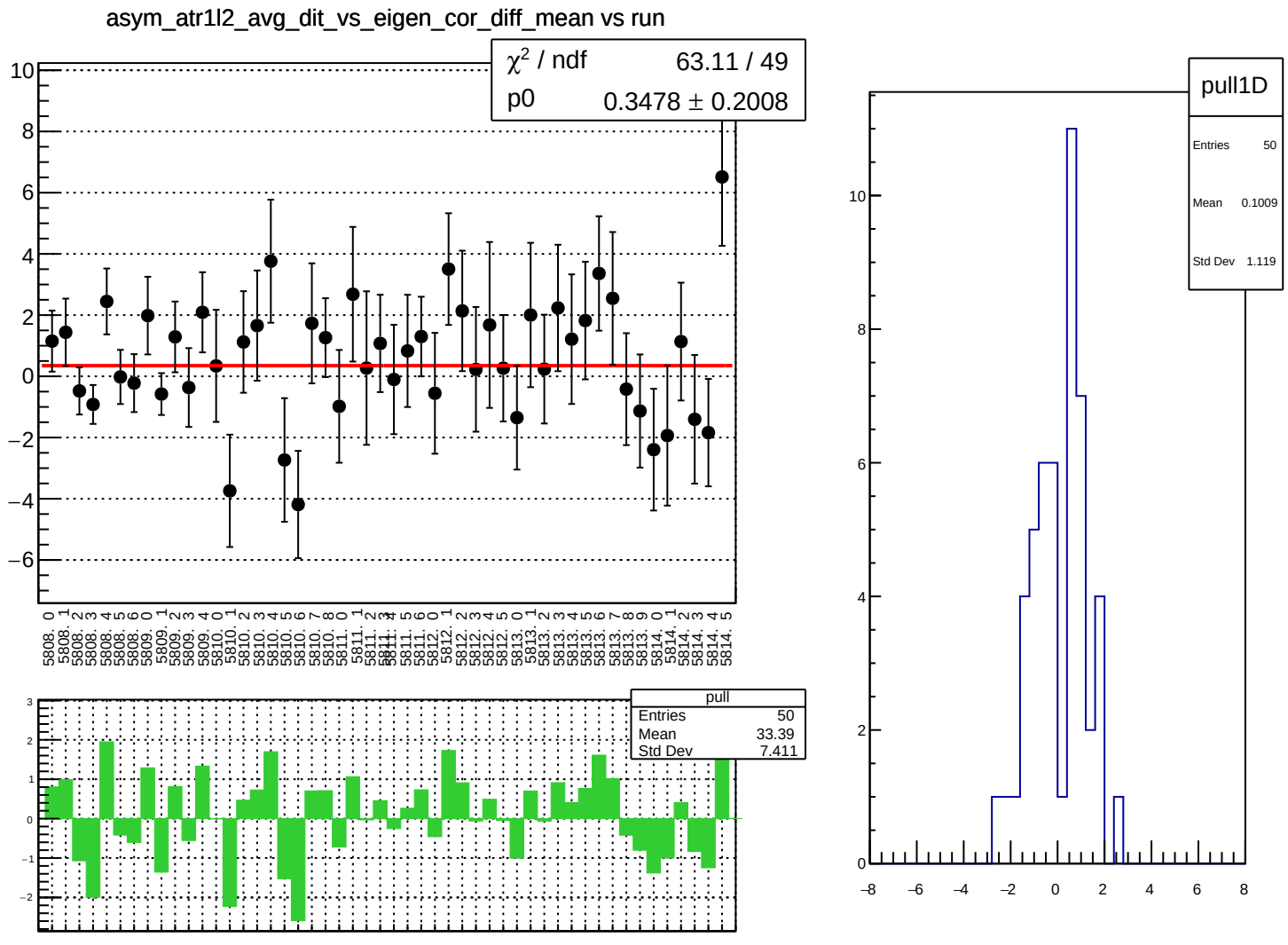

pull1D
Entries 50
Mean 0.01416
Std Dev 1.063

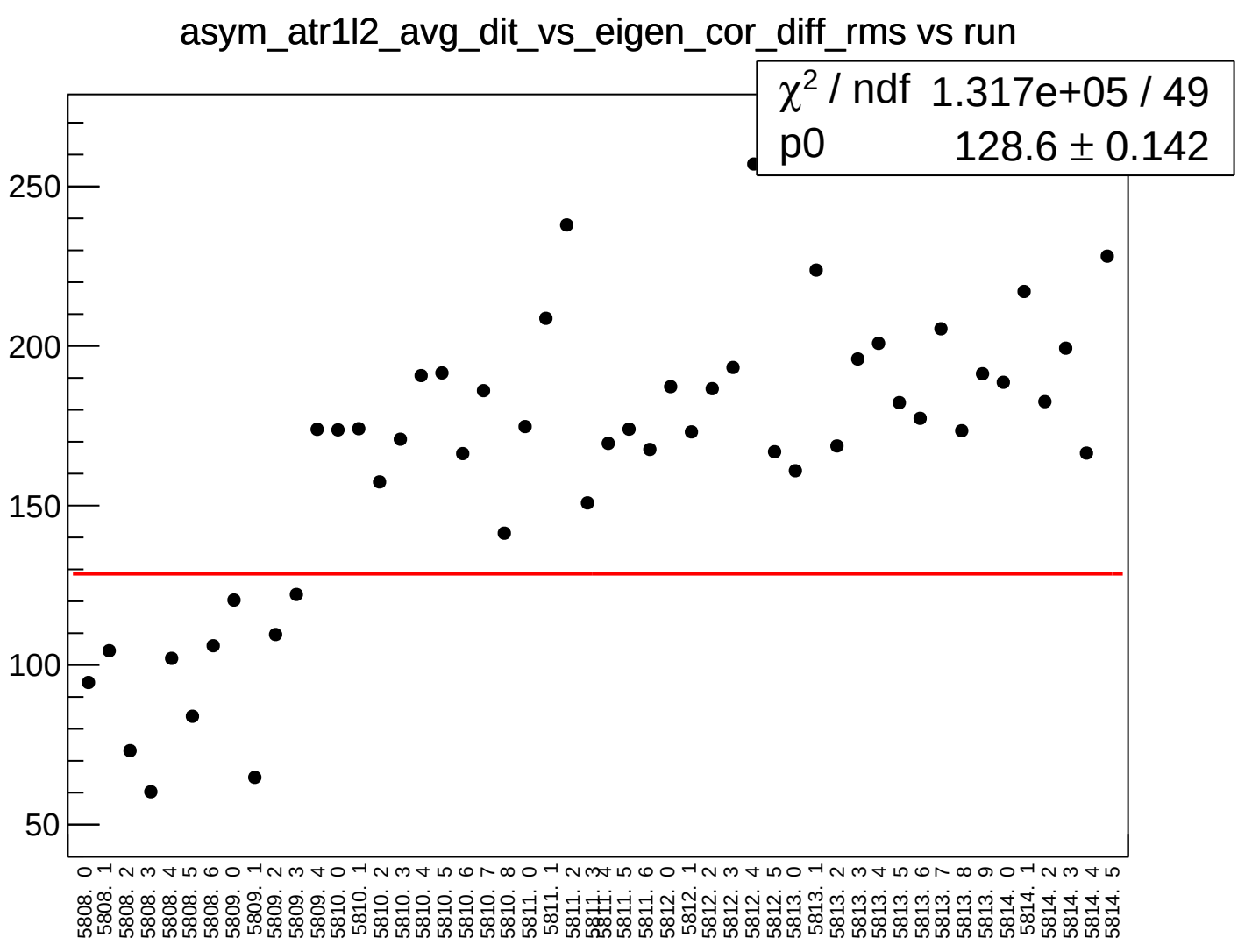

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.173e+05 / 49
p0 1.353e−10 ± 2.051e−13
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

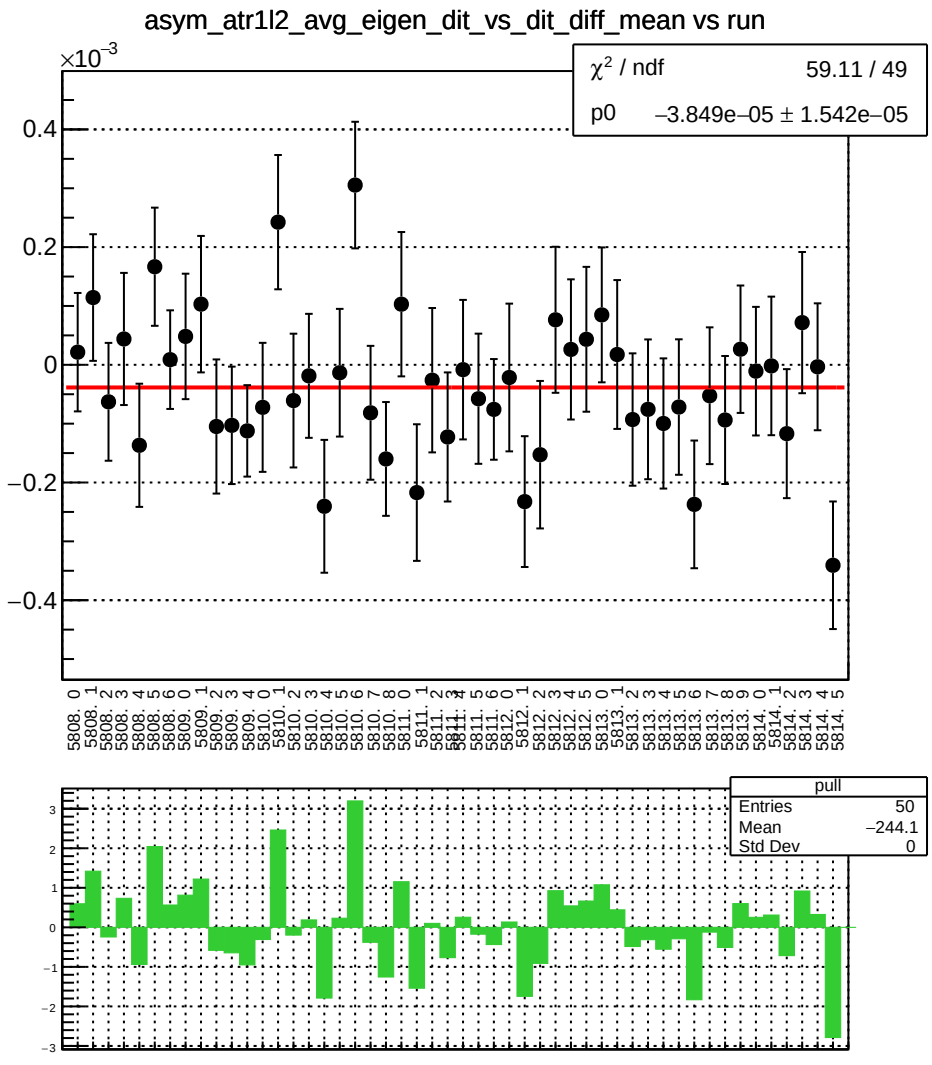

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 63.11 / 49
p0 0.3478 ± 0.2008
pull
Entries 50
Mean 33.39
Std Dev 7.411

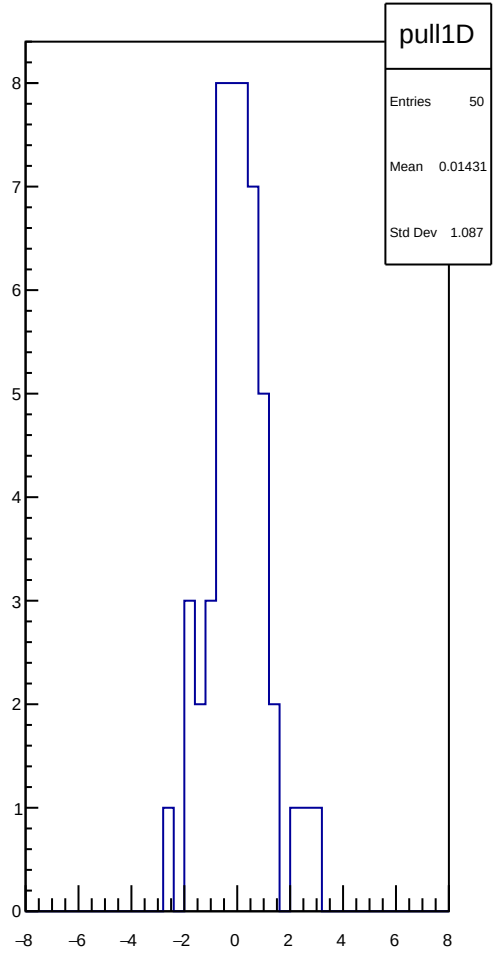

pull1D
Entries 50
Mean 0.1009
Std Dev 1.119

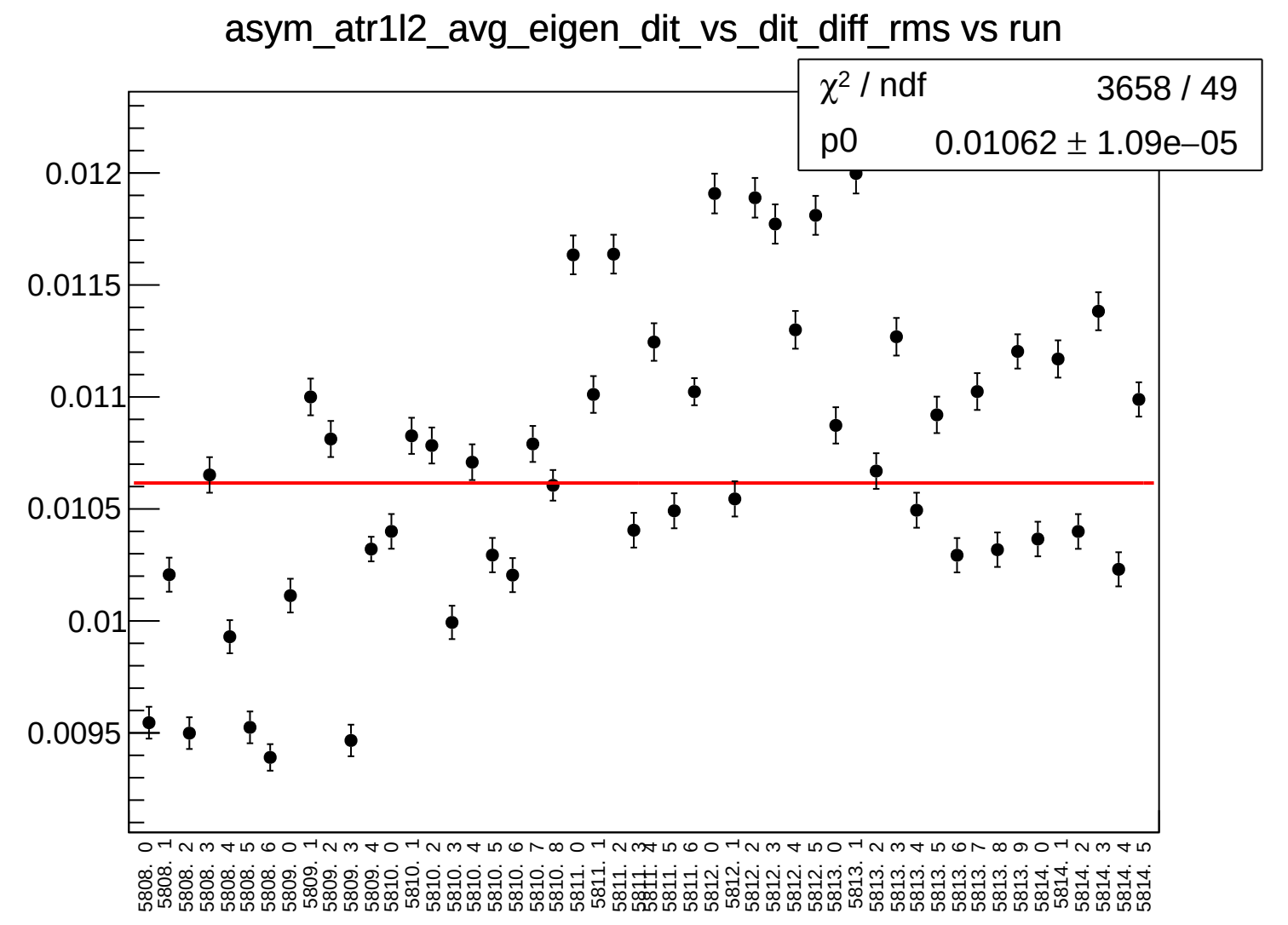

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.317e+05 / 49
p0 128.6 ± 0.142
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

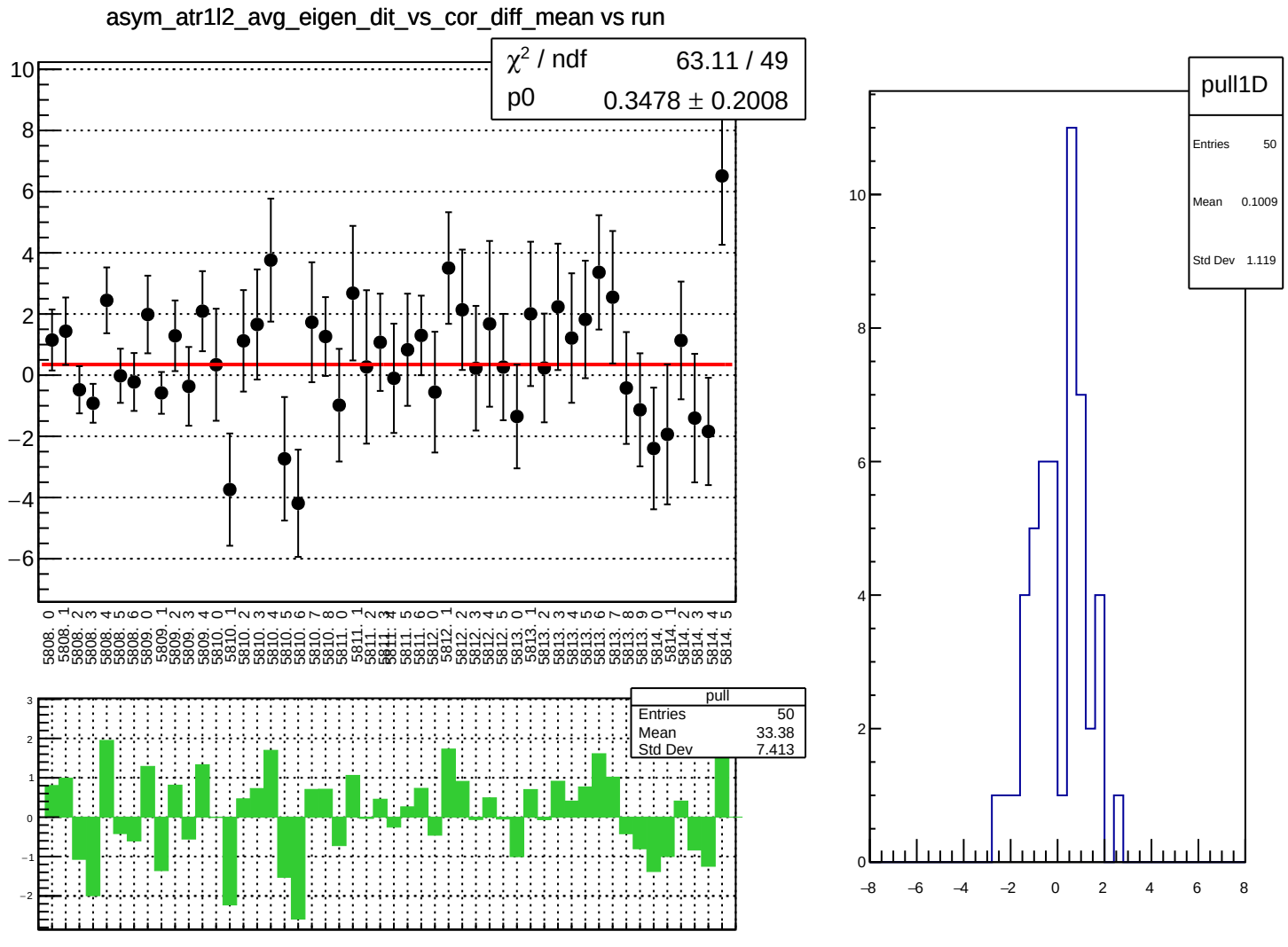

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.11 / 49
p0 0.3478 ± 0.2008
pull
Entries 50
Mean 33.39
Std Dev 7.411
pull1D
Entries 50
Mean 0.1009
Std Dev 1.119

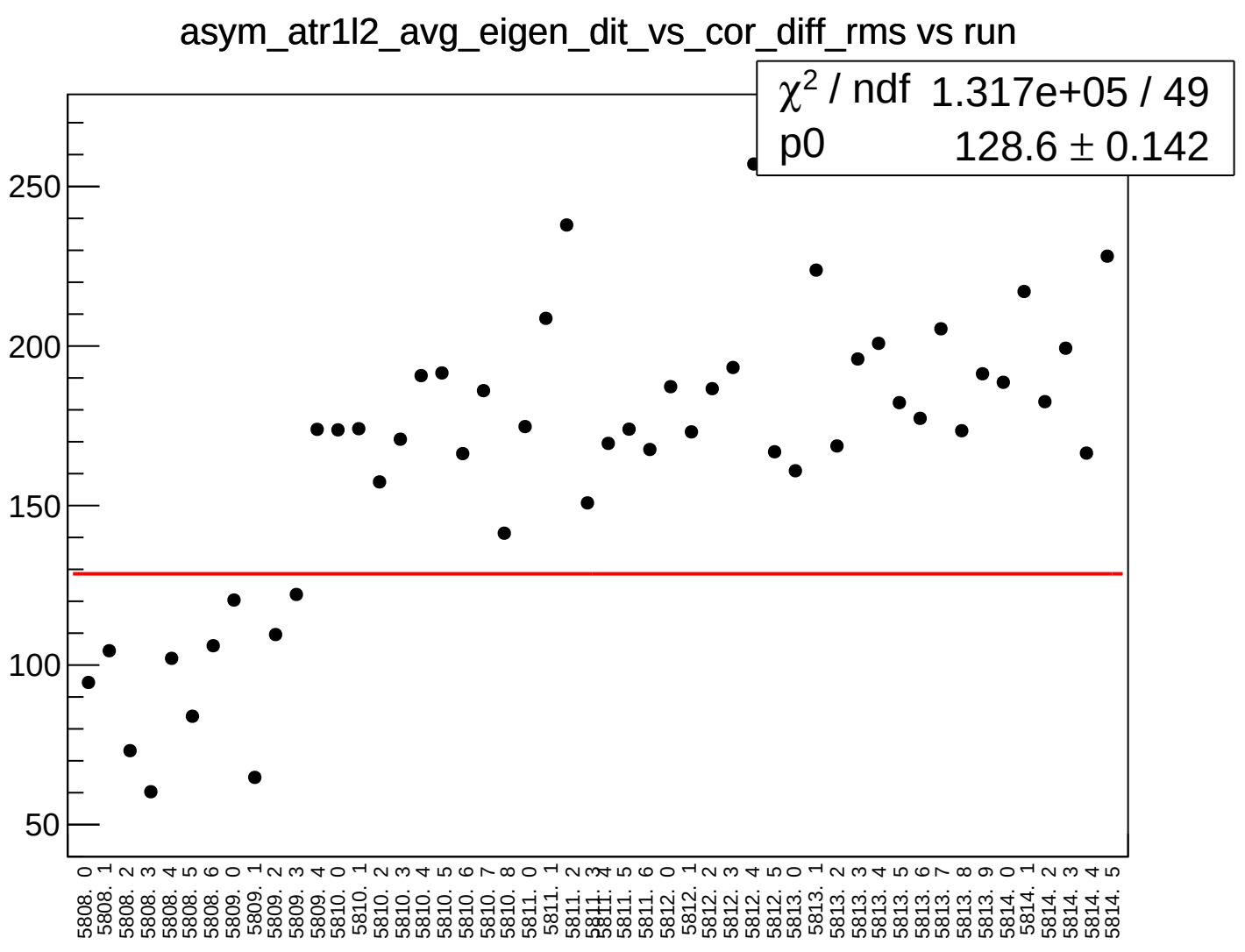

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.317e+05 / 49
p0 128.6 ± 0.142
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

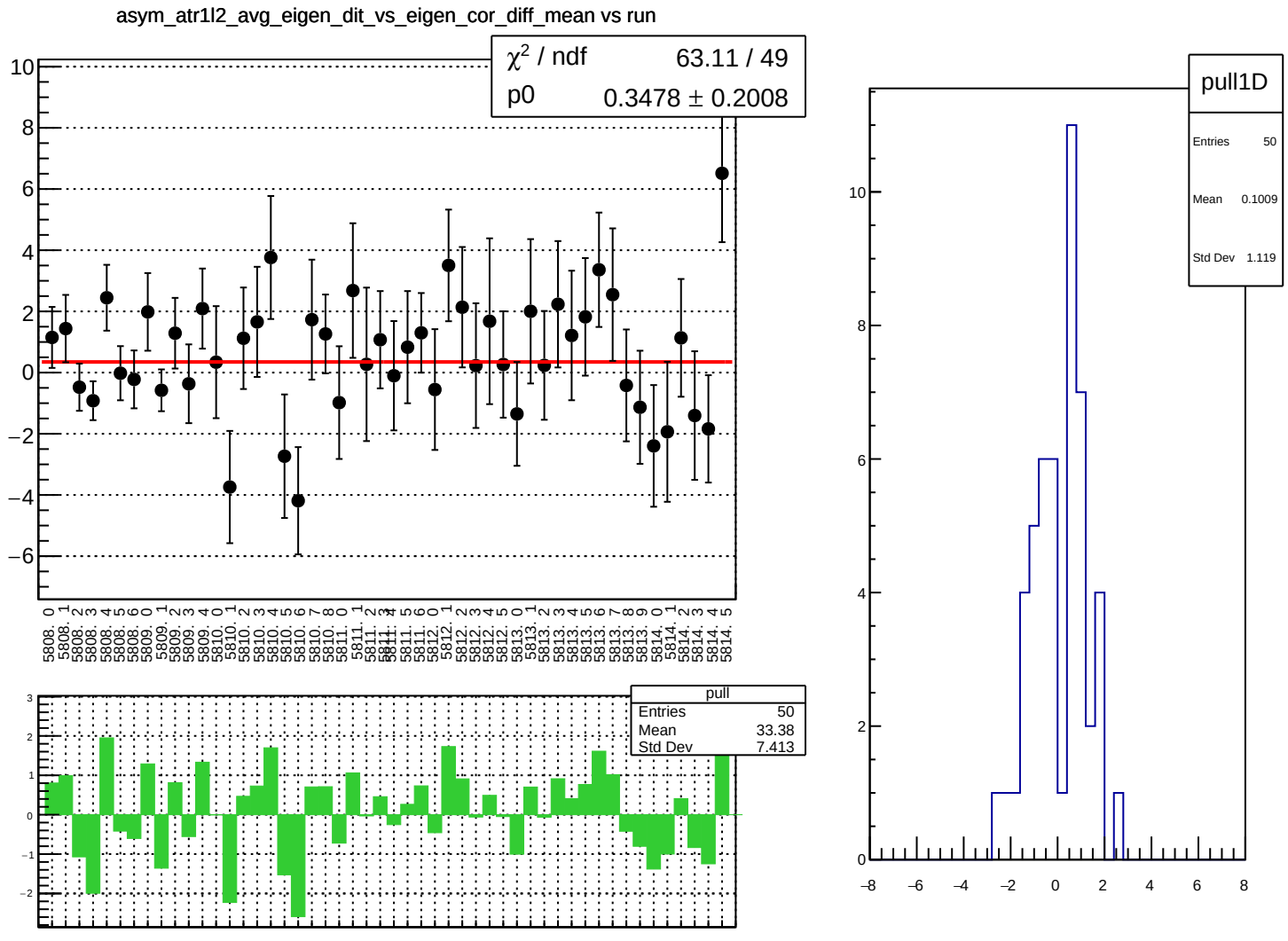

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.11 / 49
p0 −3.849e−05 ± 1.542e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 50
Mean −244.1
Std Dev 0
3
2
1
0
−1
−2
−3

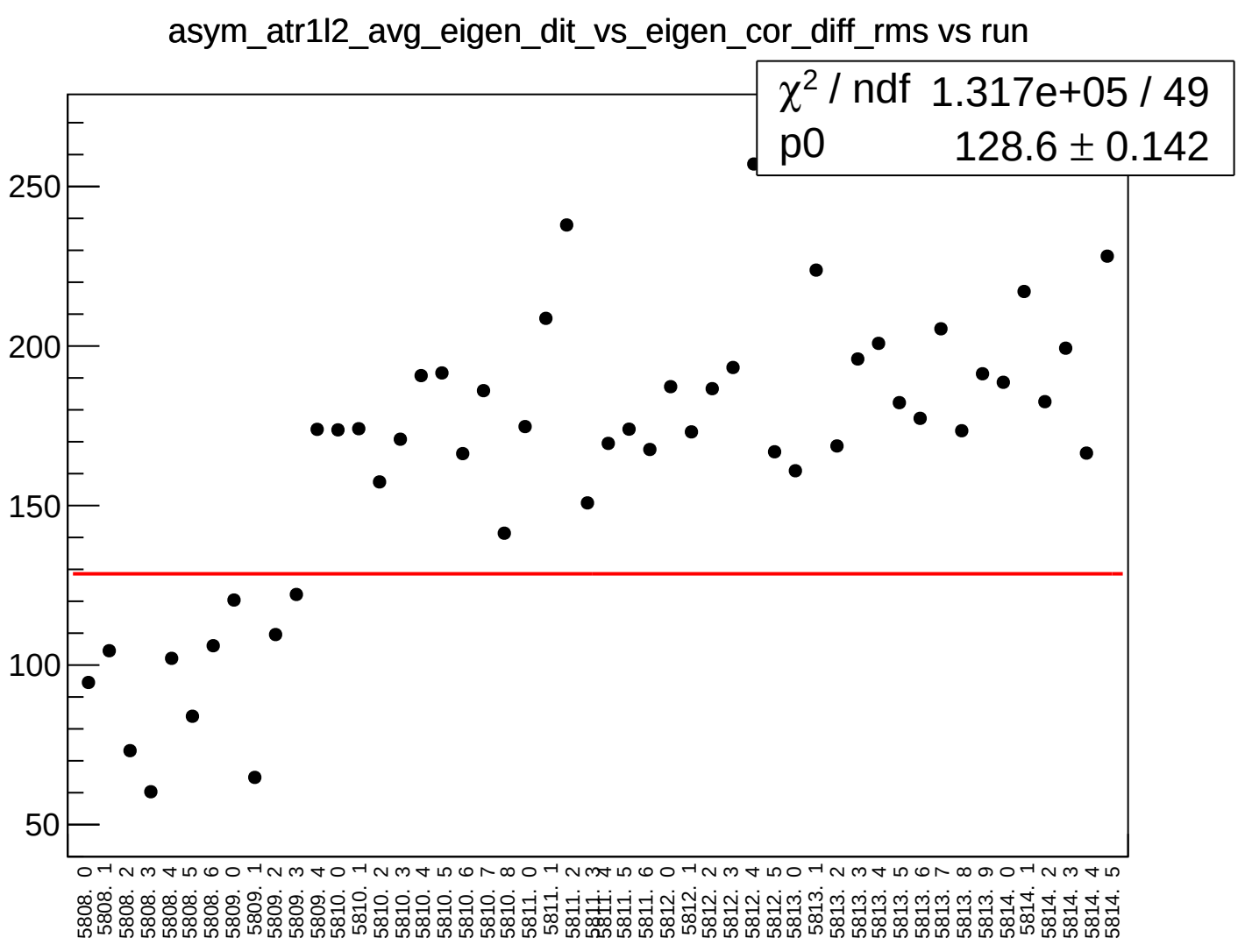

pull1D
Entries 50
Mean 0.01431
Std Dev 1.087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

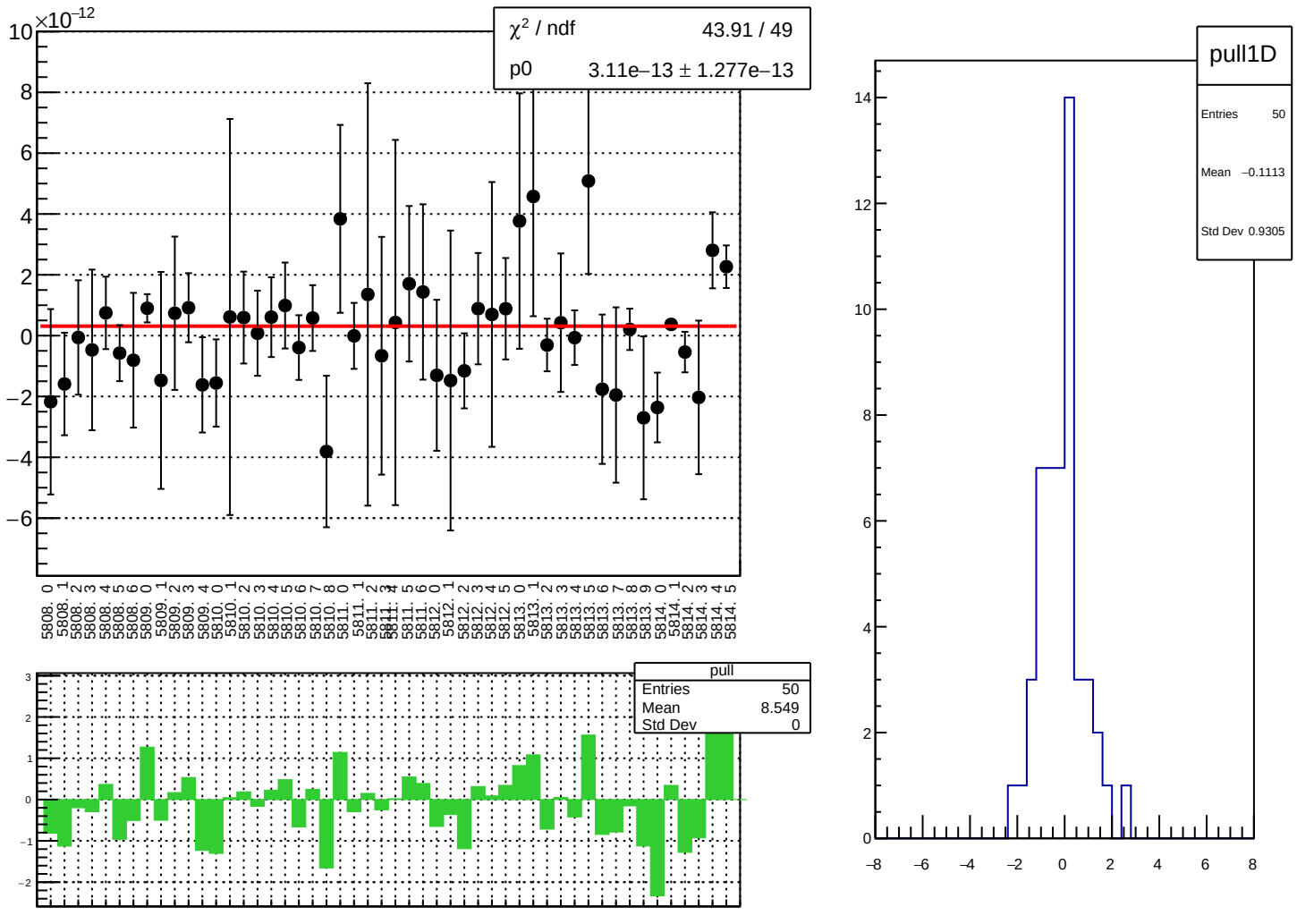

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3658 / 49
p0 0.01062 ± 1.09e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

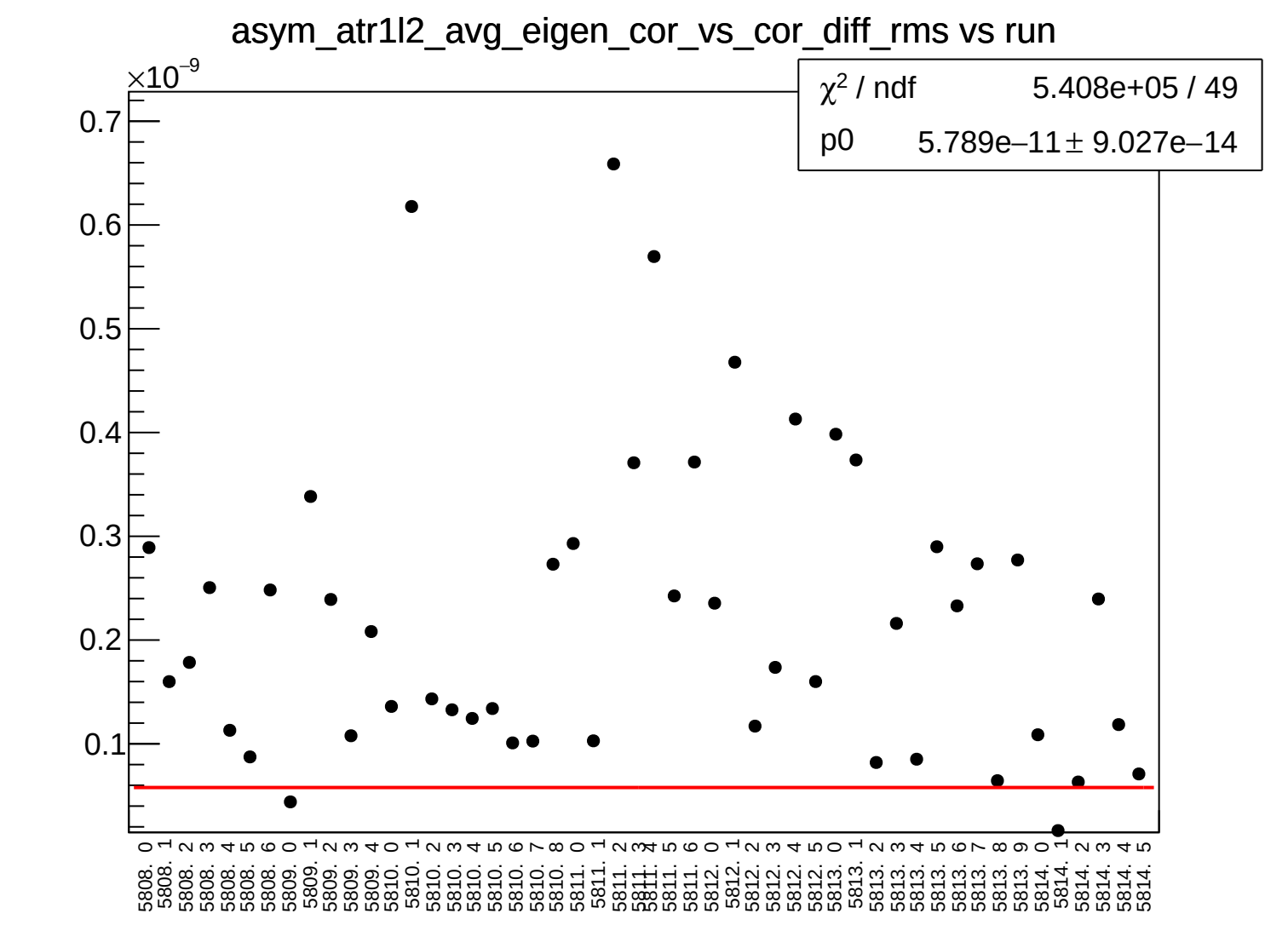

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.11 / 49
p0 0.3478 ± 0.2008
pull
Entries 50
Mean 33.38
Std Dev 7.413
pull1D
Entries 50
Mean 0.1009
Std Dev 1.119

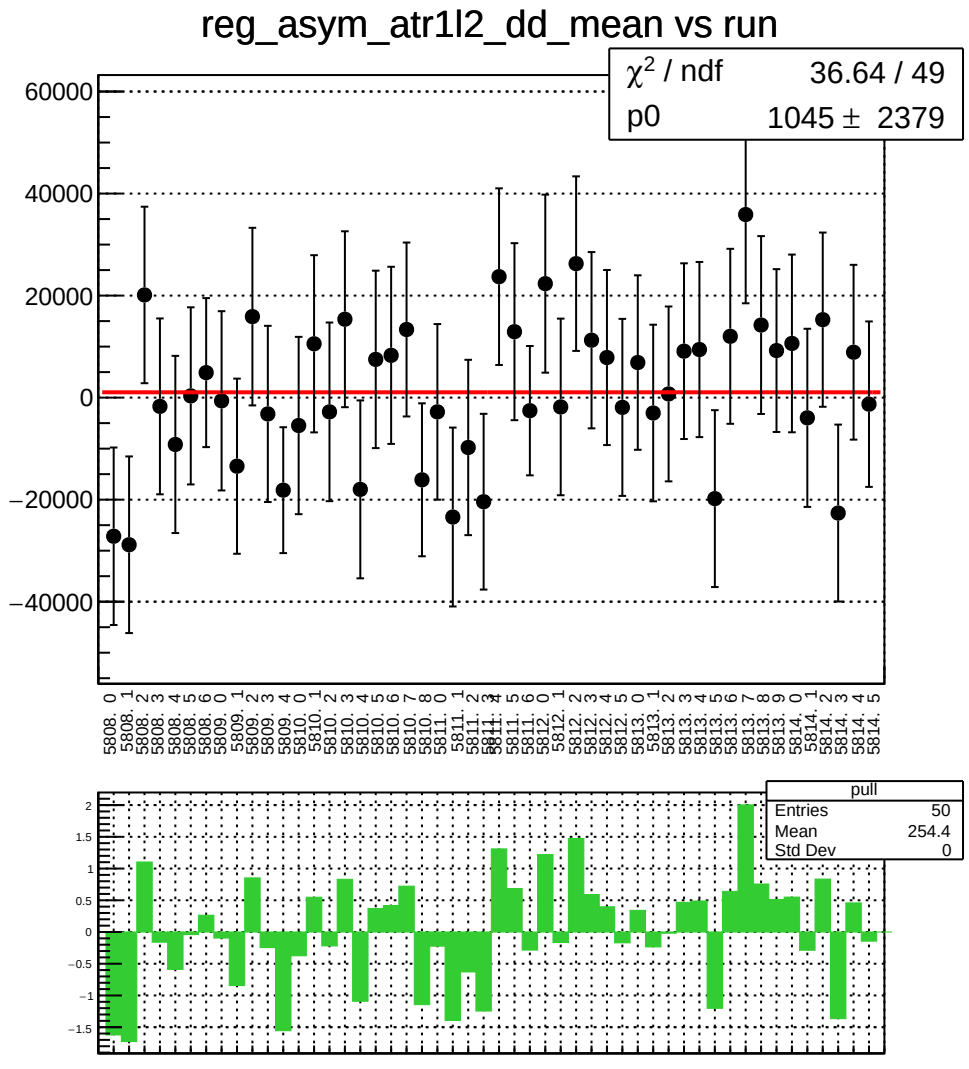

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.317e+05 / 49
p0 128.6 ± 0.142
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

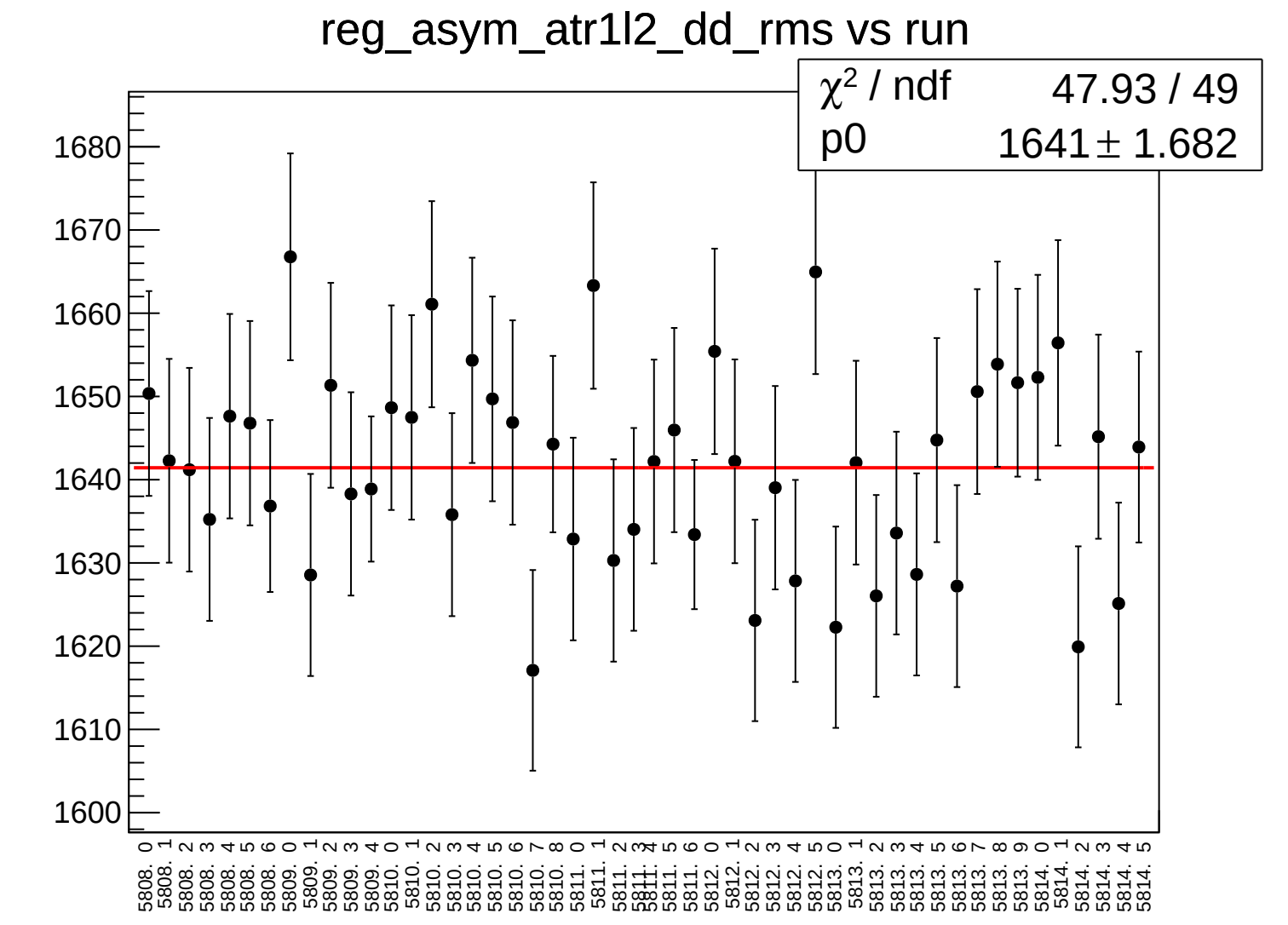

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.11 / 49
p0 0.3478 ± 0.2008
pull
Entries 50
Mean 33.38
Std Dev 7.413
pull1D
Entries 50
Mean 0.1009
Std Dev 1.119

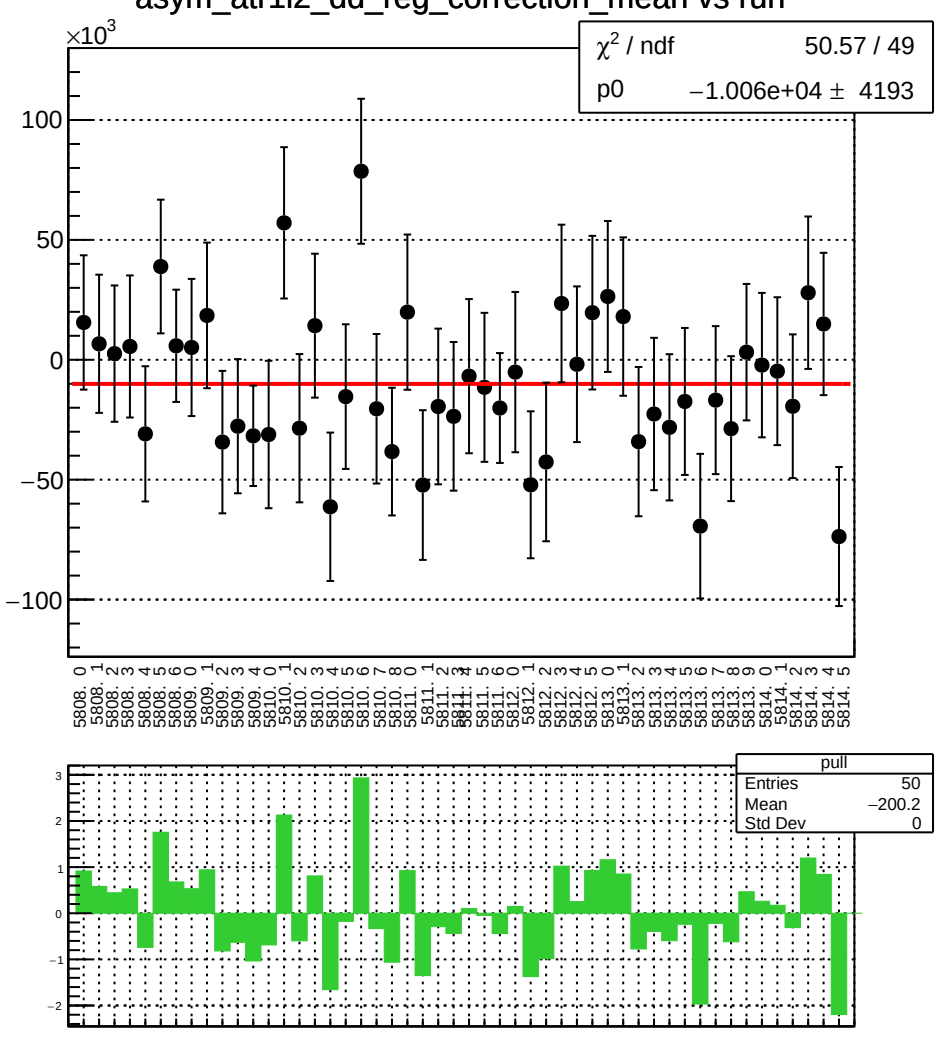

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.317e+05 / 49
p0 128.6 ± 0.142
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

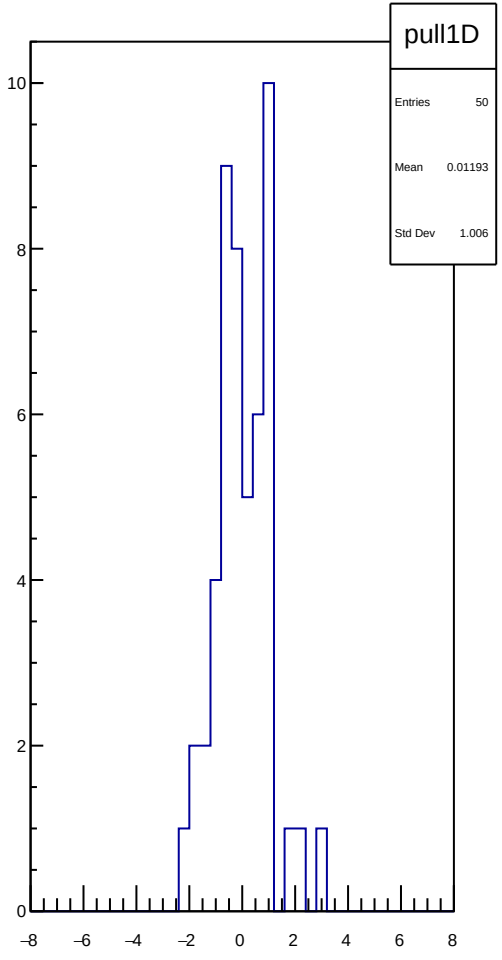

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.91 / 49
p0 3.11e−13 ± 1.277e−13
pull
Entries 50
Mean 8.549
Std Dev 0
pull1D
Entries 50
Mean −0.1113
Std Dev 0.9305

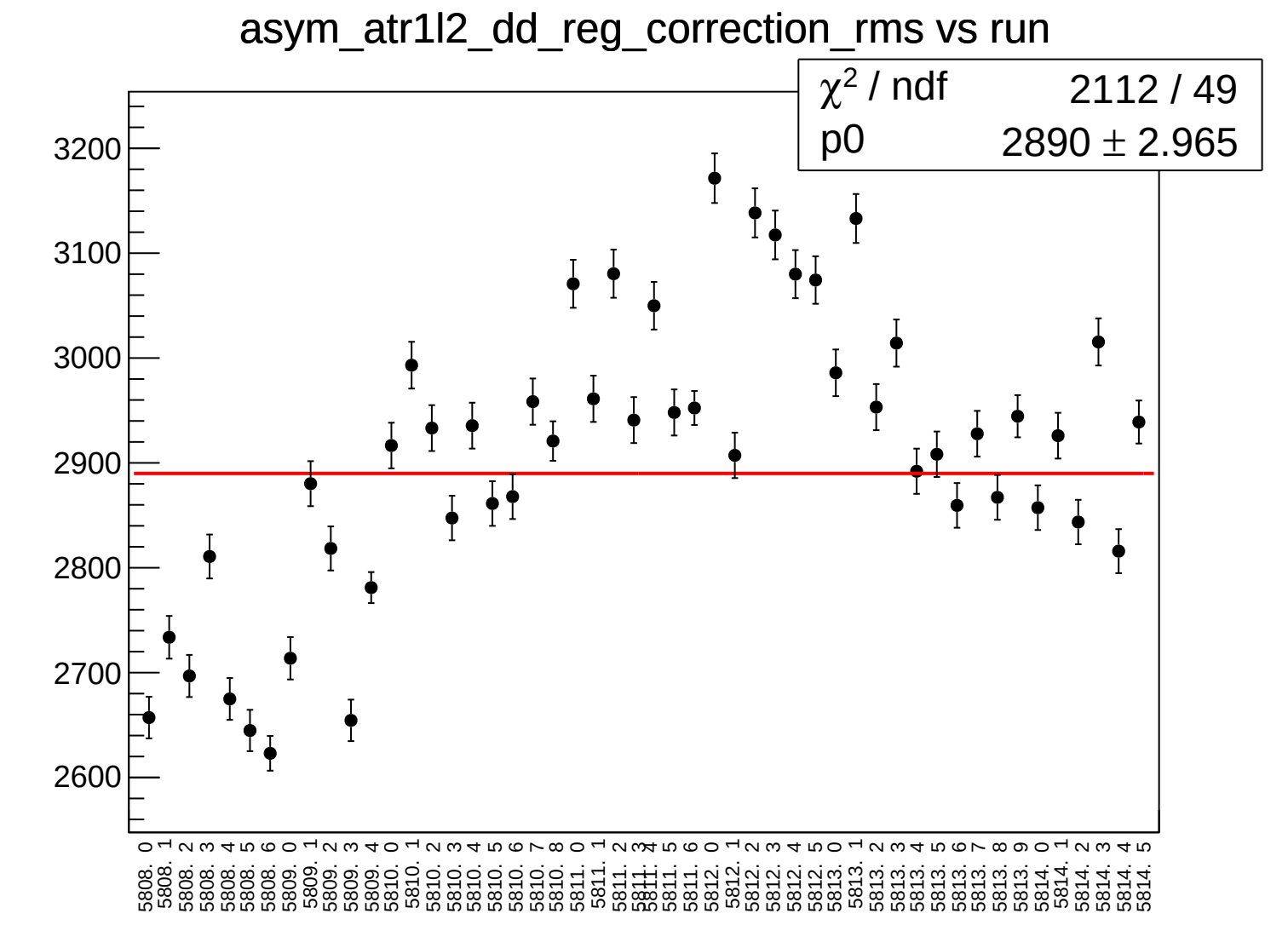

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 5.408e+05 / 49
p0 5.789e−11 ± 9.027e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atr1l2_dd_mean vs run
χ² / ndf 36.64 / 49
p0 1045 ± 2379
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 254.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01534
Std Dev 0.8559
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atr1l2_dd_rms vs run
χ² / ndf 47.93 / 49
p0 1641 ± 1.682
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 50.57 / 49
p0 −1.006e+04 ± 4193
100
50
0
−50
−100
pull
Entries 50
Mean −200.2
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01193
Std Dev 1.006
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 2112 / 49
p0 2890 ± 2.965
3200
3100
3000
2900
2800
2700
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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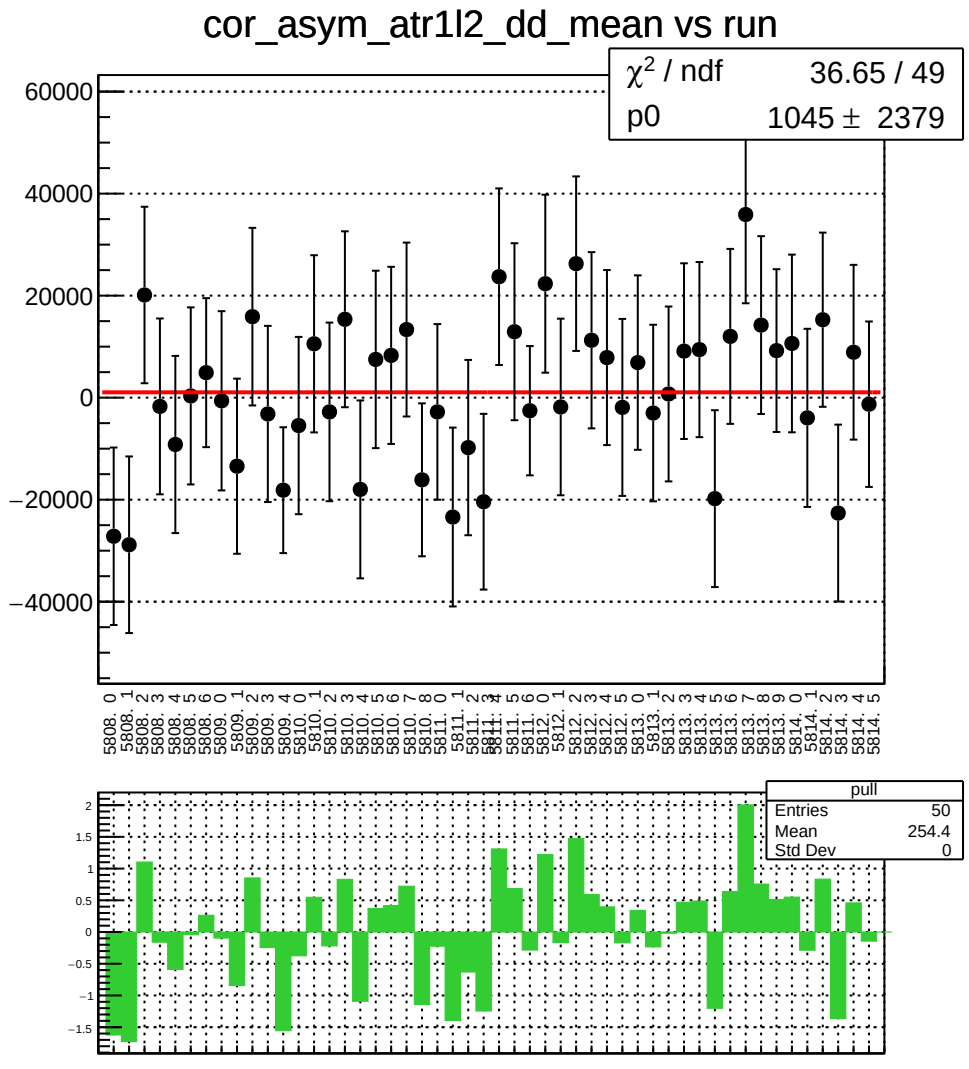
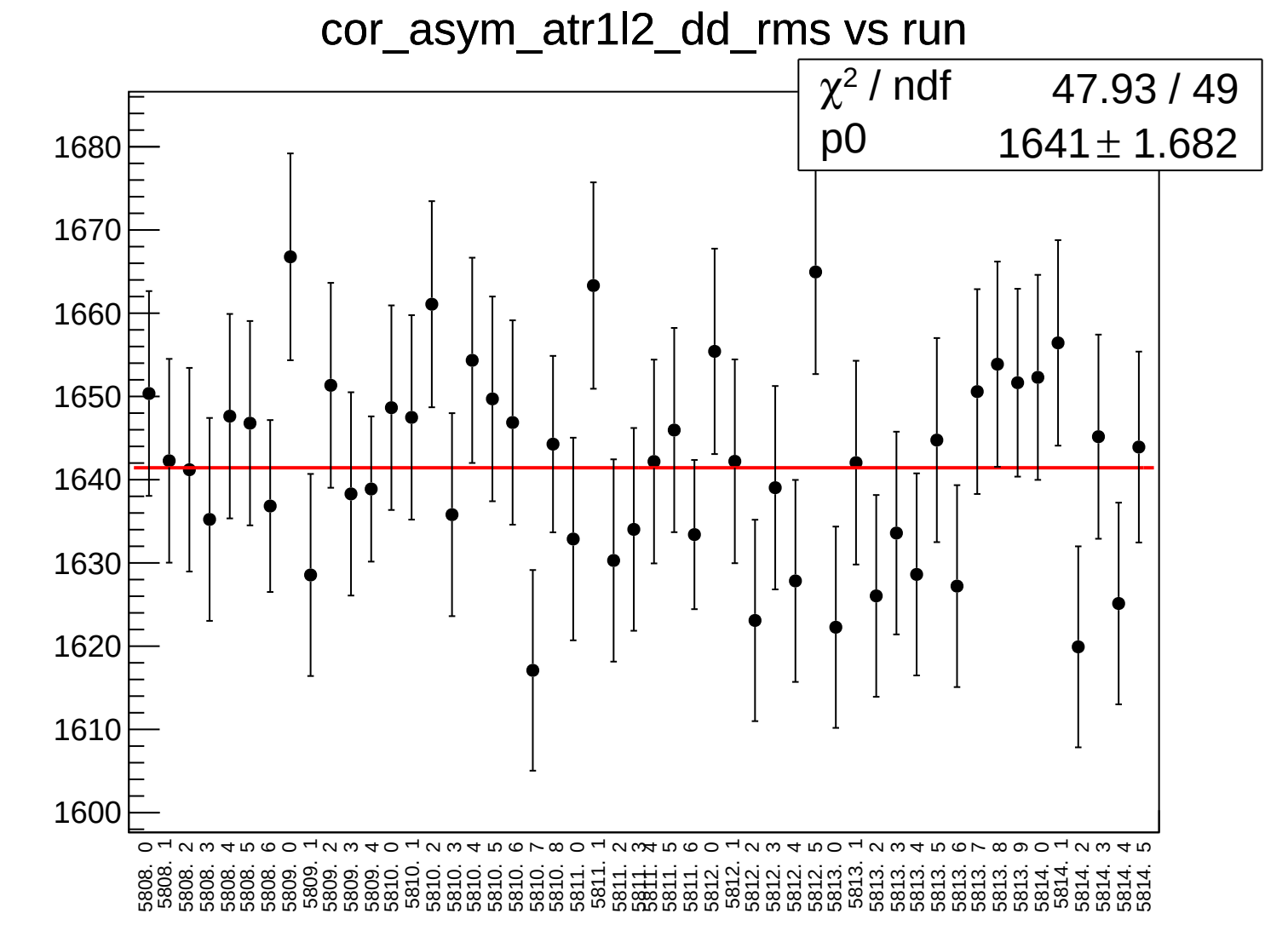
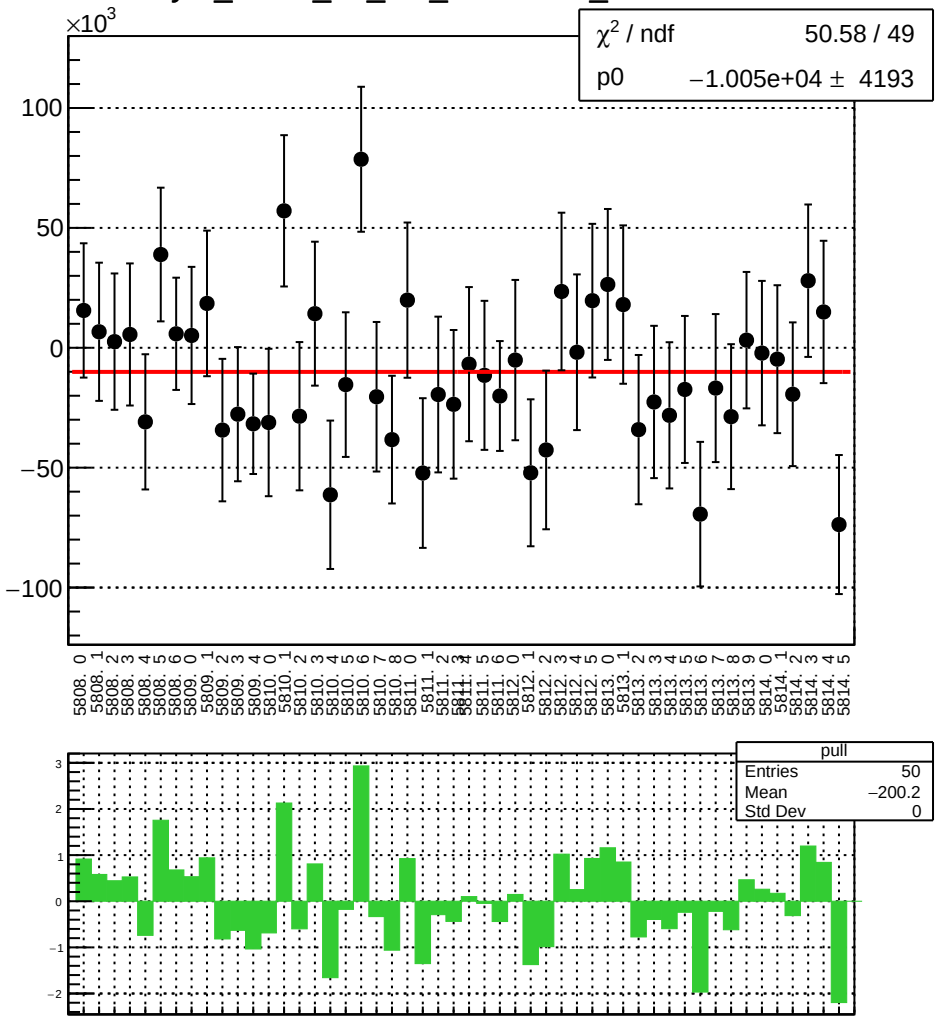
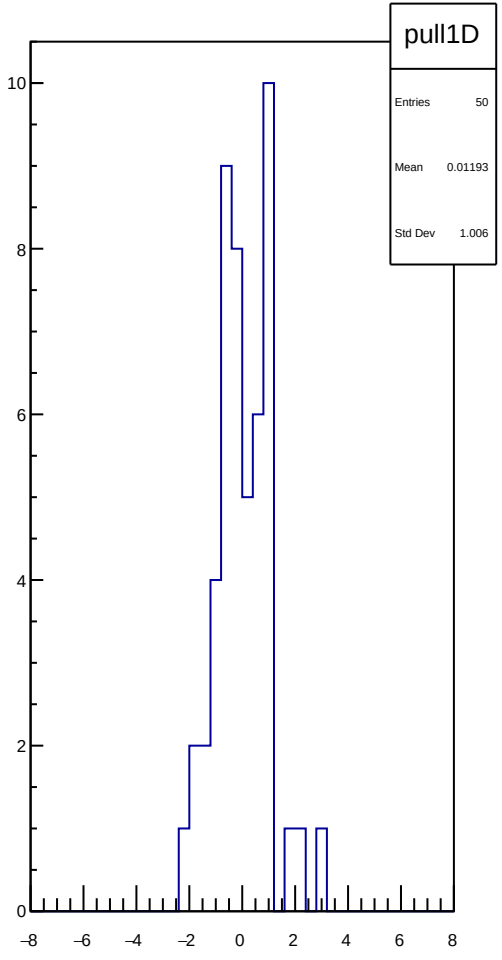
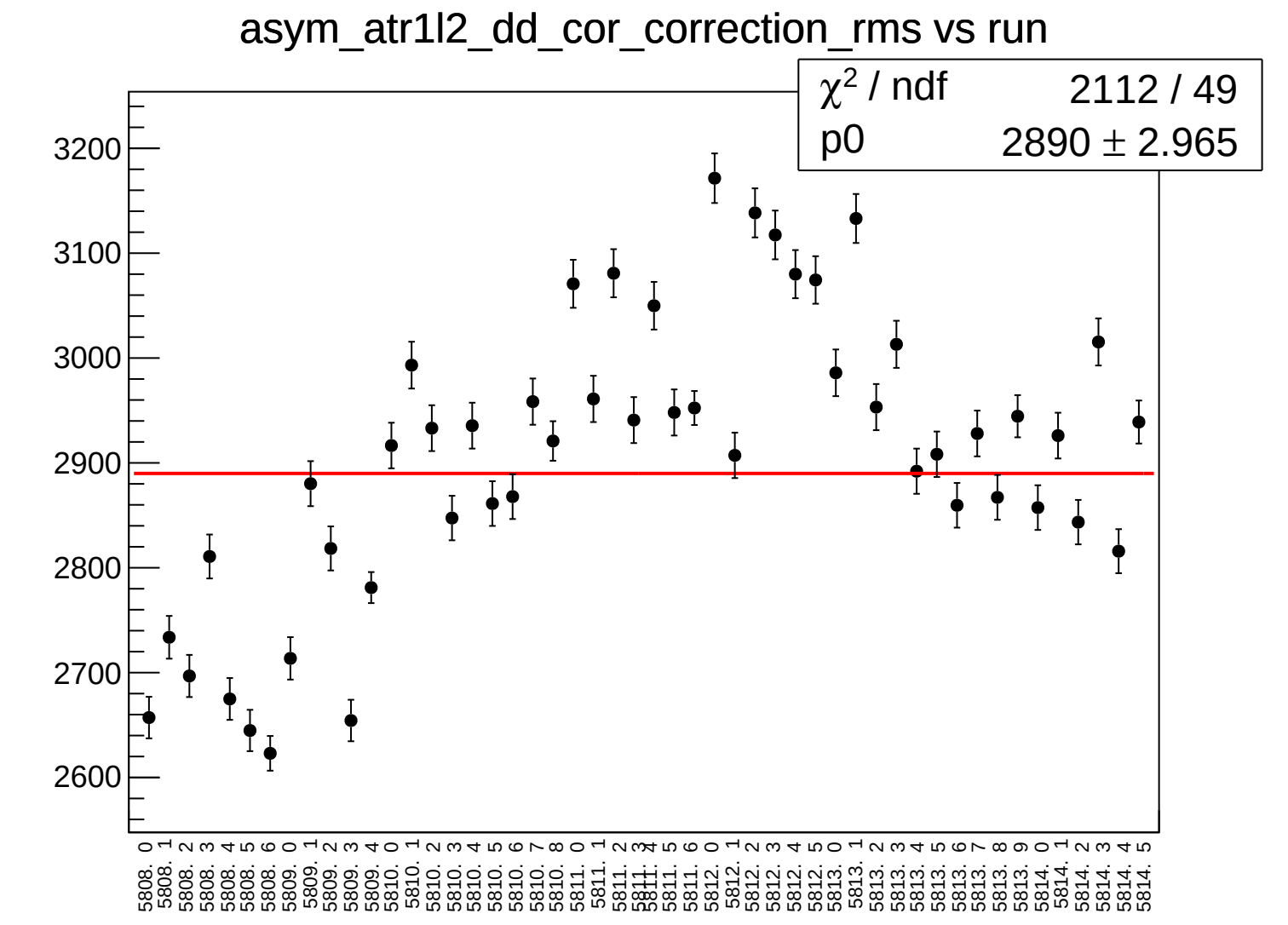
5814. 2
5814. 3
5814. 4
5814. 5

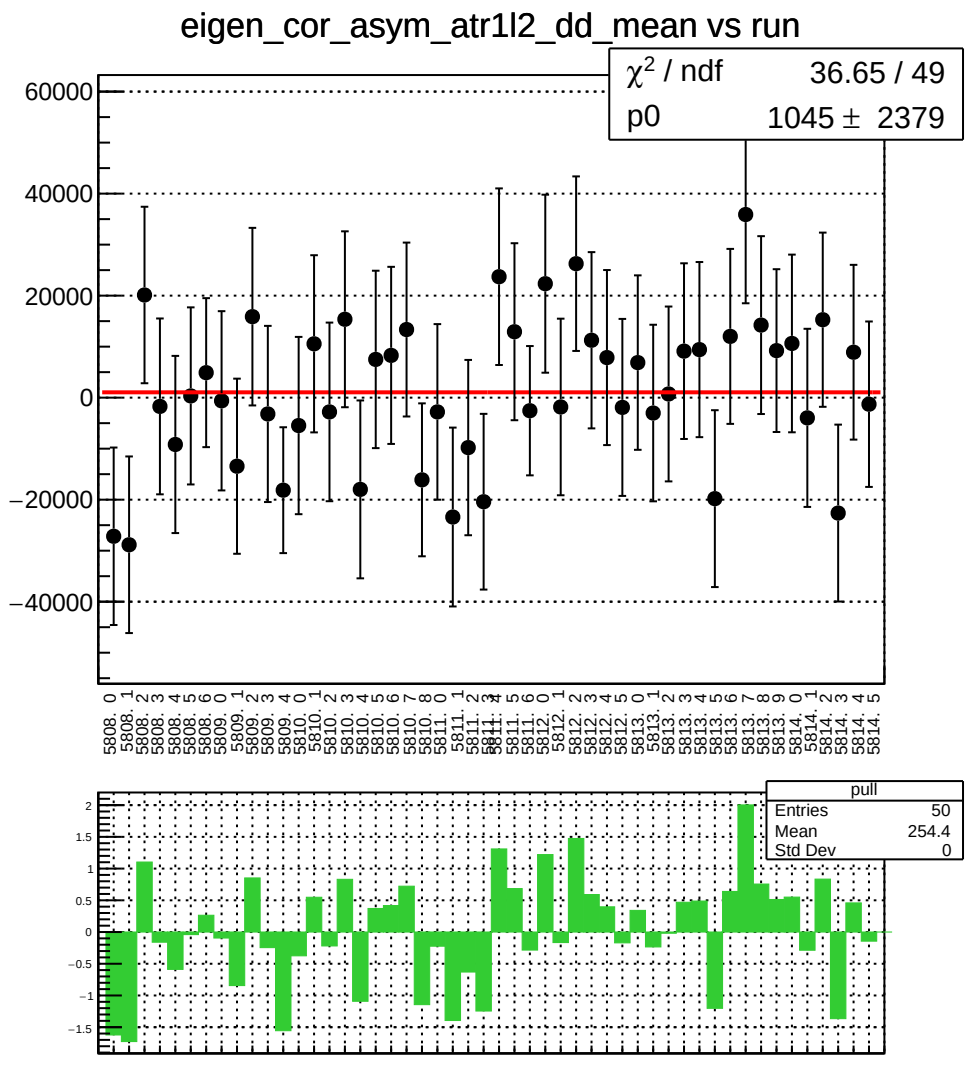

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 36.65 / 49
p0 1045 ± 2379
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 254.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01534
Std Dev 0.856
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

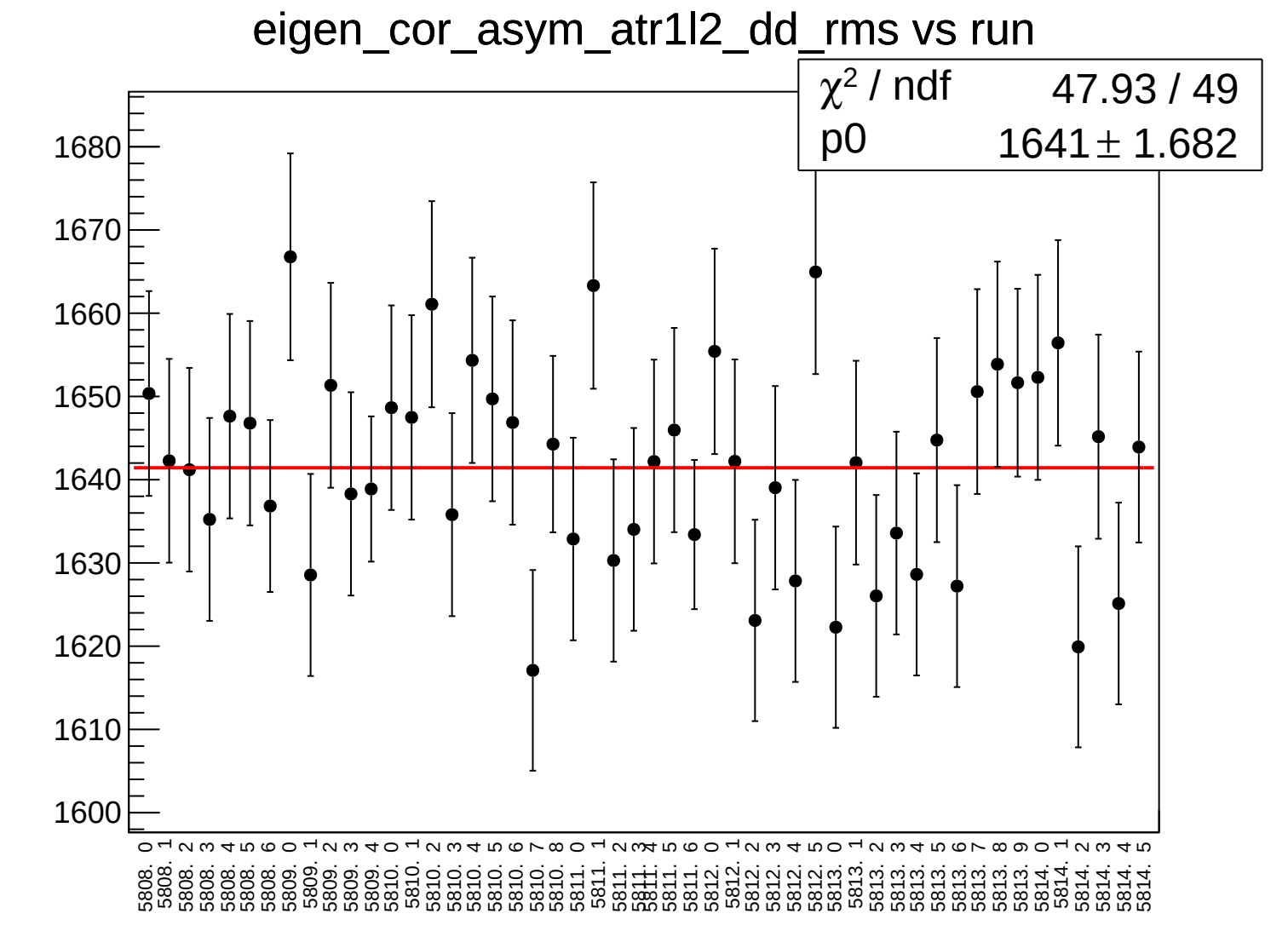

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 47.93 / 49
p0 1641 ± 1.682
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

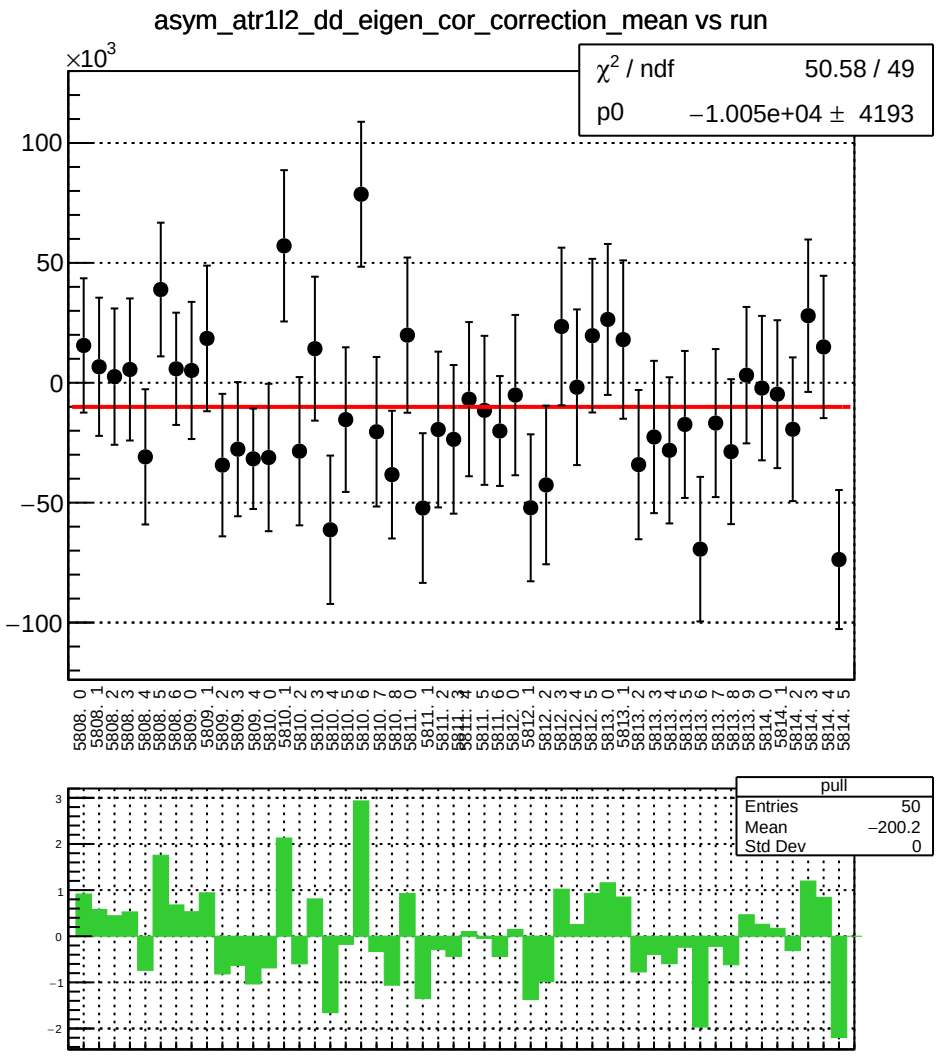

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 50.58 / 49
p0 −1.005e+04 ± 4193
100
50
0
−50
−100
pull
Entries 50
Mean −200.2
Std Dev 0
3
2
1
0
−1
−2

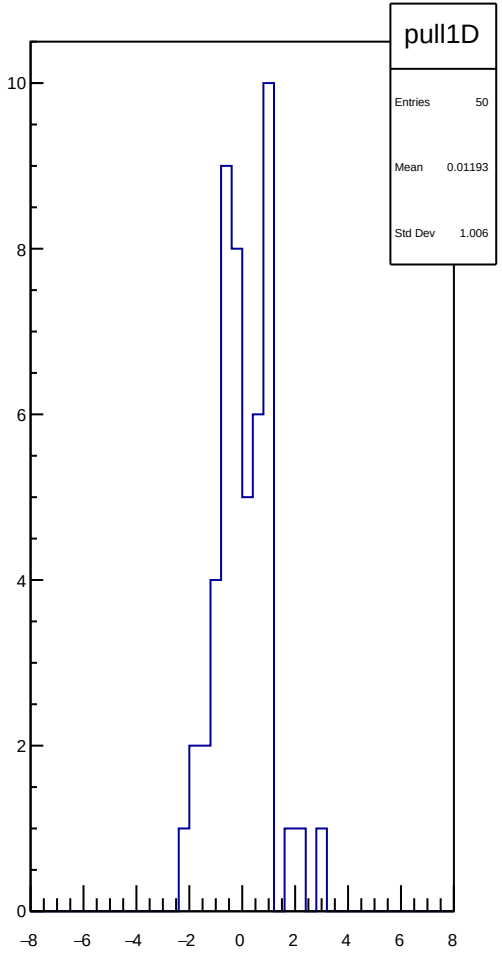

pull1D
Entries 50
Mean 0.01193
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

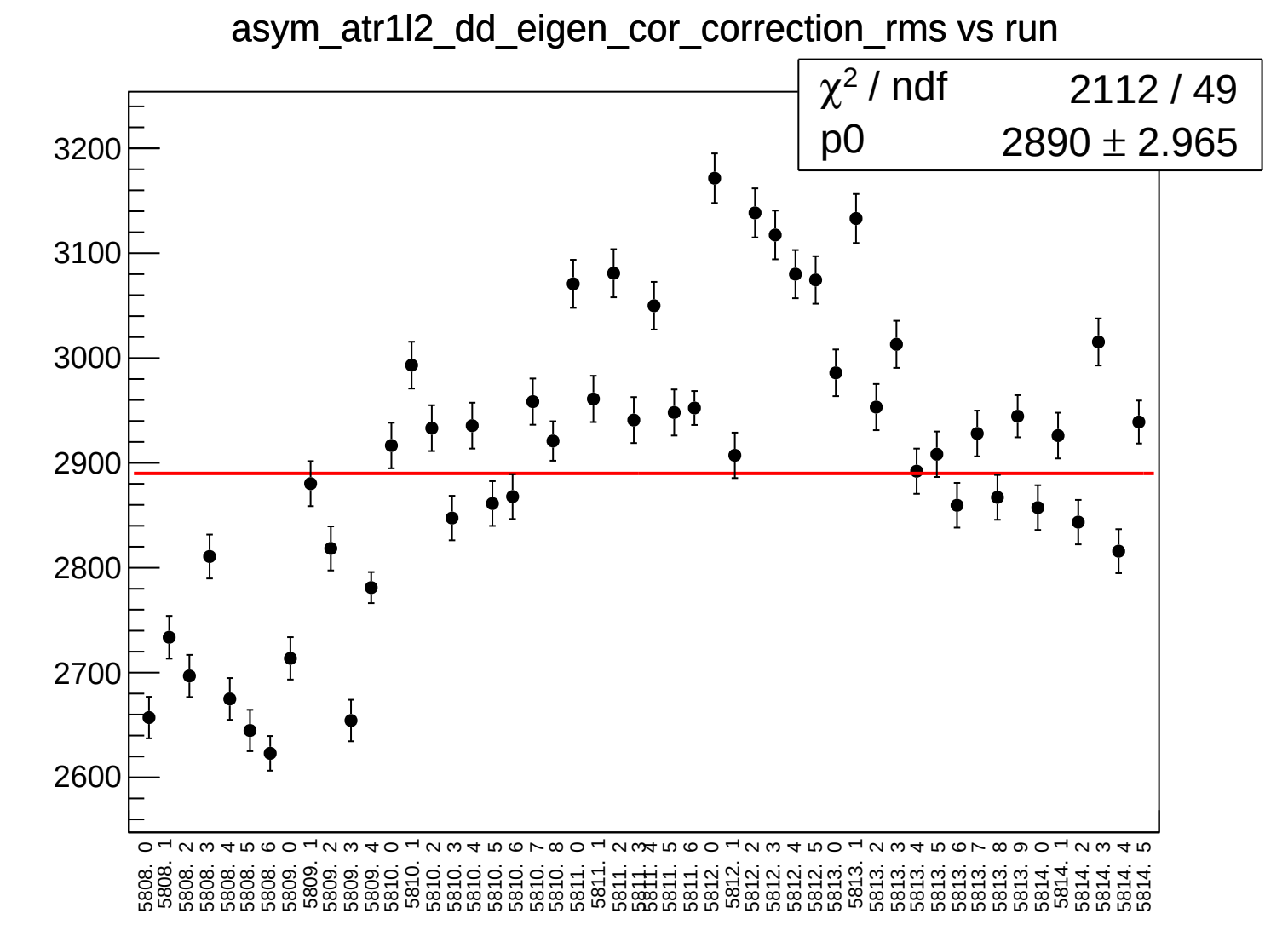

asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 2112 / 49
p0 2890 ± 2.965
3200
3100
3000
2900
2800
2700
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 36.65 / 49
p0 1045 ± 2379
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 254.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01534
Std Dev 0.856
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 47.93 / 49
p0 1641 ± 1.682
1680
1670
1660
1650
1640
1630
1620
1610
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.58 / 49
p0 −1.005e+04 ± 4193
×10³
pull
Entries 50
Mean −200.2
Std Dev 0


pull1D
Entries 50
Mean 0.01193
Std Dev 1.006


asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2112 / 49
p0 2890 ± 2.965
3200
3100
3000
2900
2800
2700
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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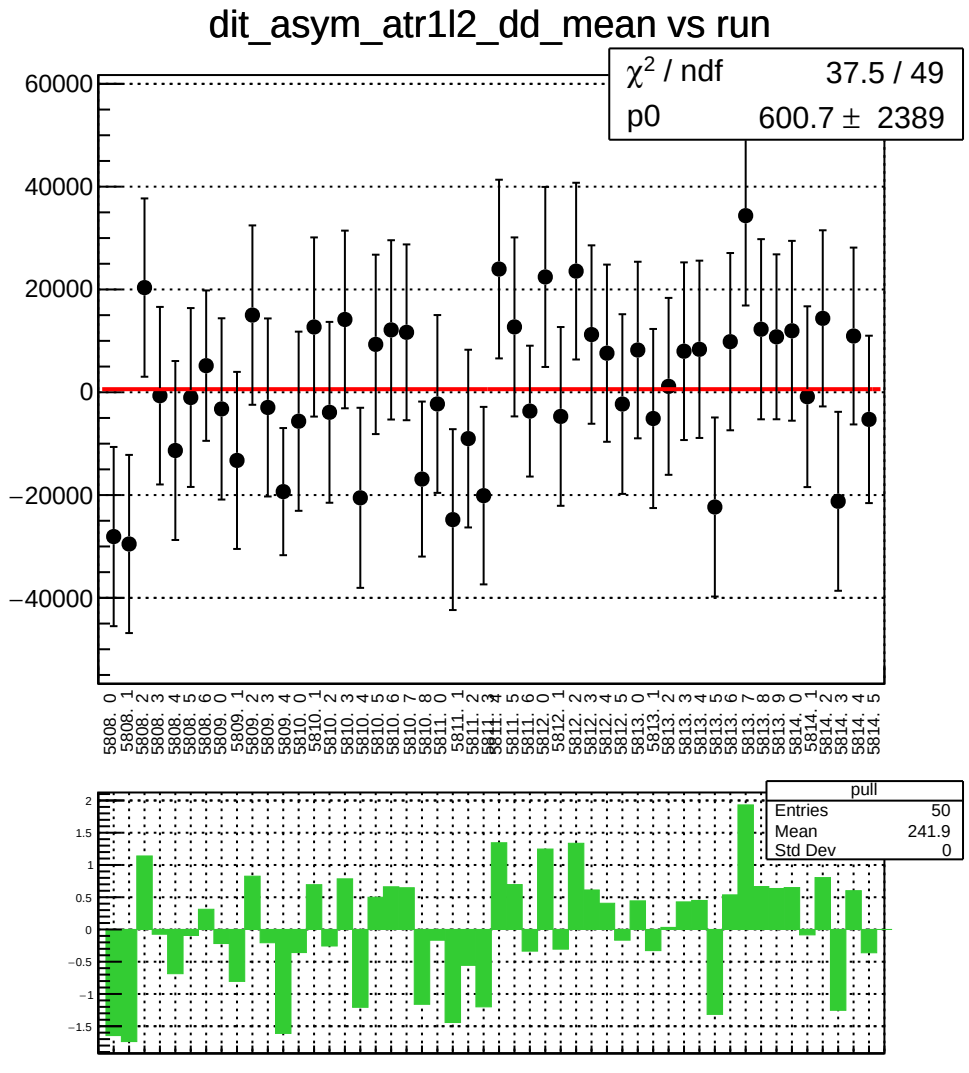
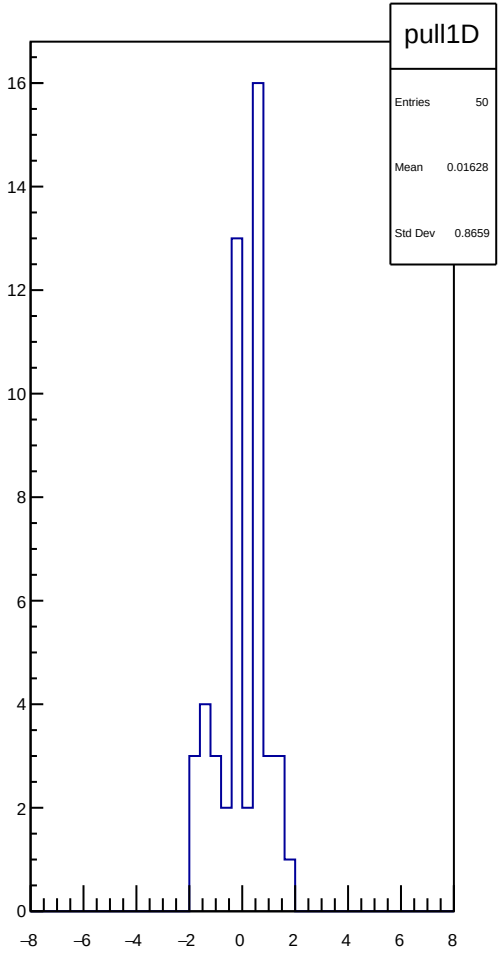
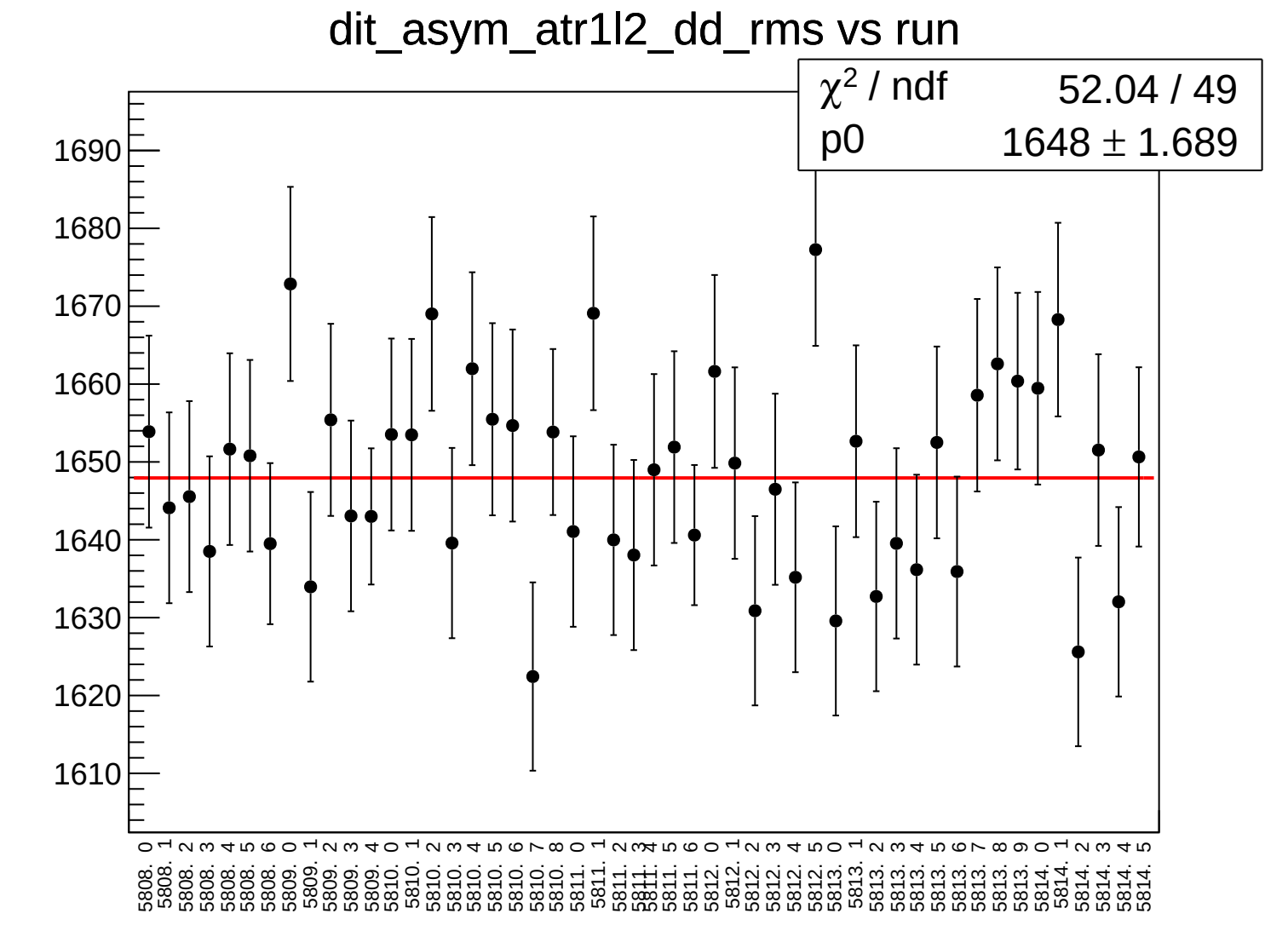
5814. 4
5814. 5


dit_asym_atr1l2_dd_mean vs run
χ² / ndf 37.5 / 49
p0 600.7 ± 2389
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 241.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean 0.01628
Std Dev 0.8659
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1l2_dd_rms vs run
χ² / ndf 52.04 / 49
p0 1648 ± 1.689
1690
1680
1670
1660
1650
1640
1630
1620
1610
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 0
5814. 1
5814. 2
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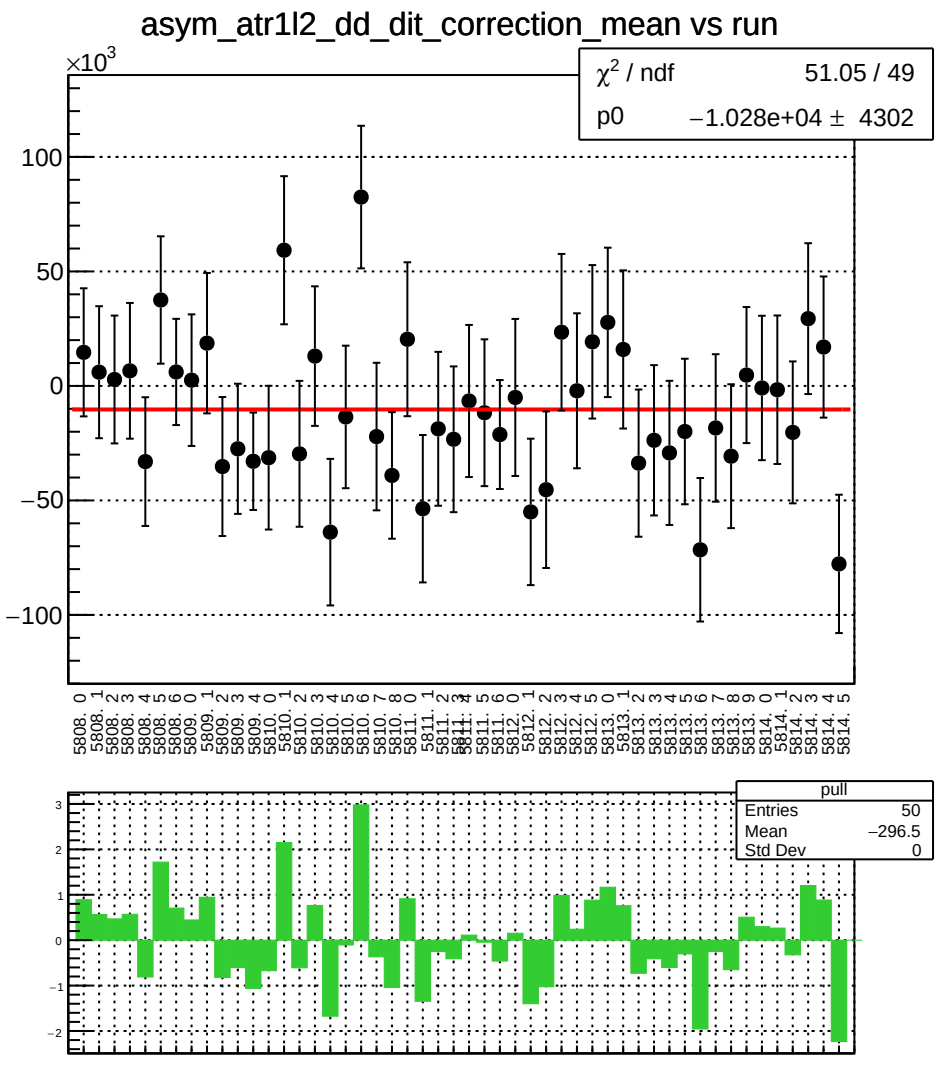
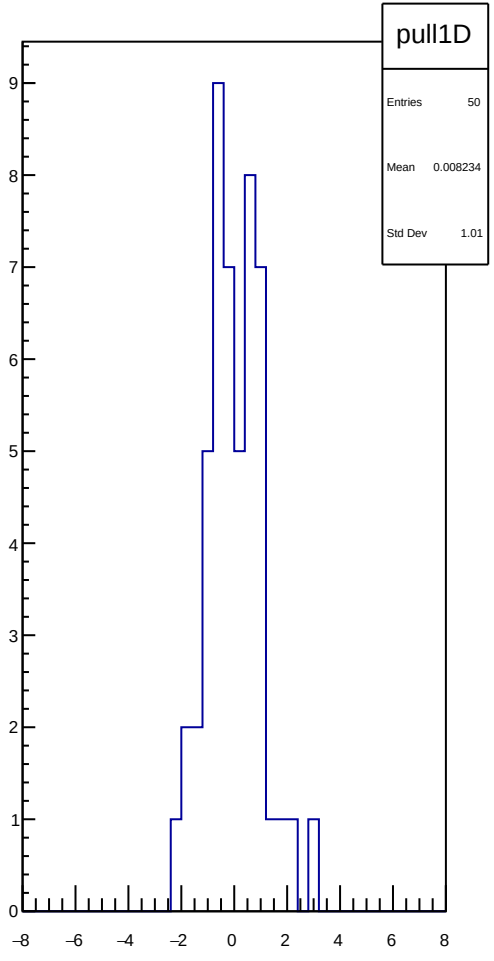
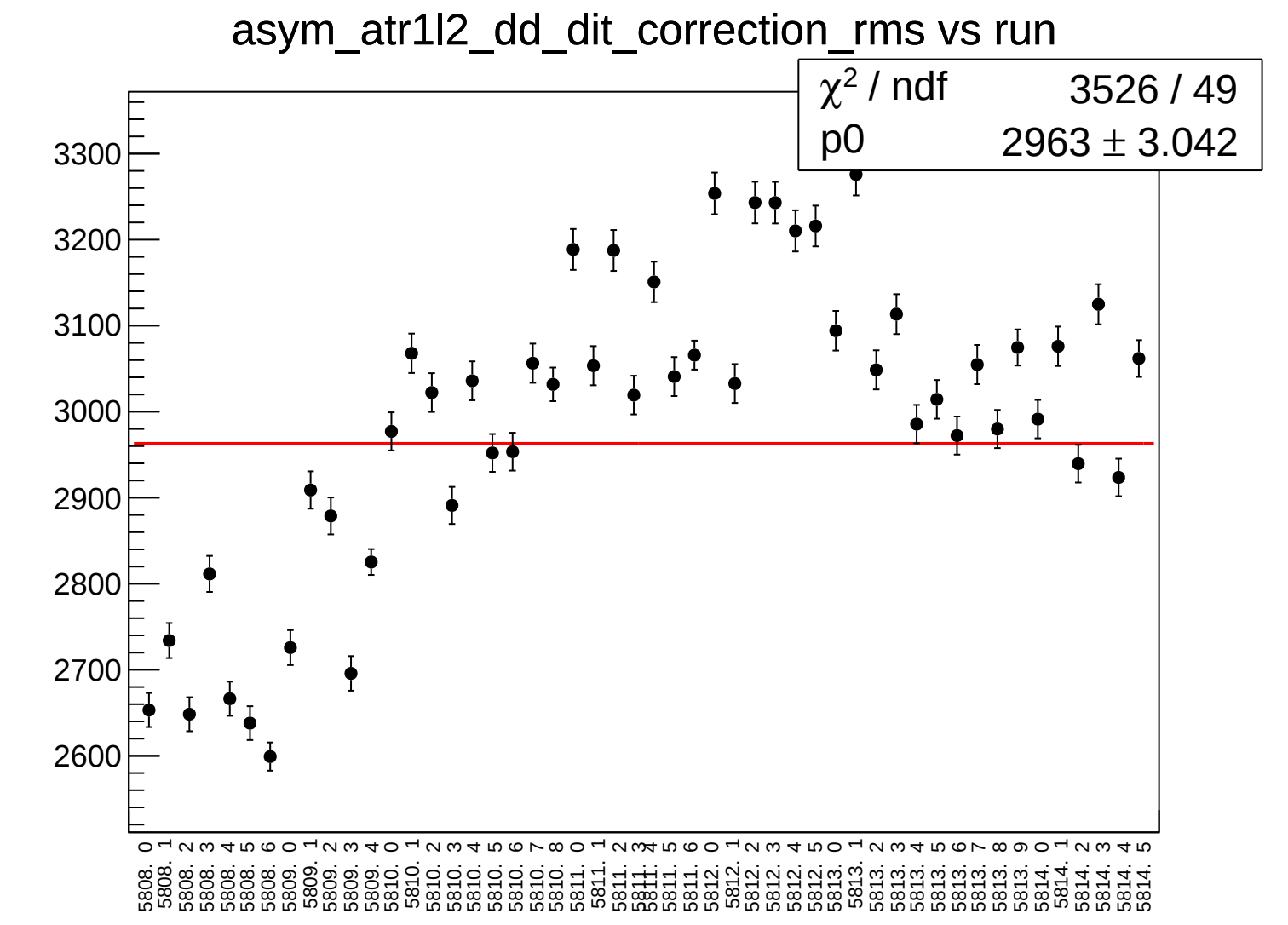
5814. 4
5814. 5


asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.05 / 49
p0 −1.028e+04 ± 4302
100
50
0
−50
−100
pull
Entries 50
Mean −296.5
Std Dev 0


pull1D
Entries 50
Mean 0.008234
Std Dev 1.01


asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 3526 / 49
p0 2963 ± 3.042
3300
3200
3100
3000
2900
2800
2700
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
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5813. 0
5813. 1
5813. 2
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5813. 5
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5814. 2
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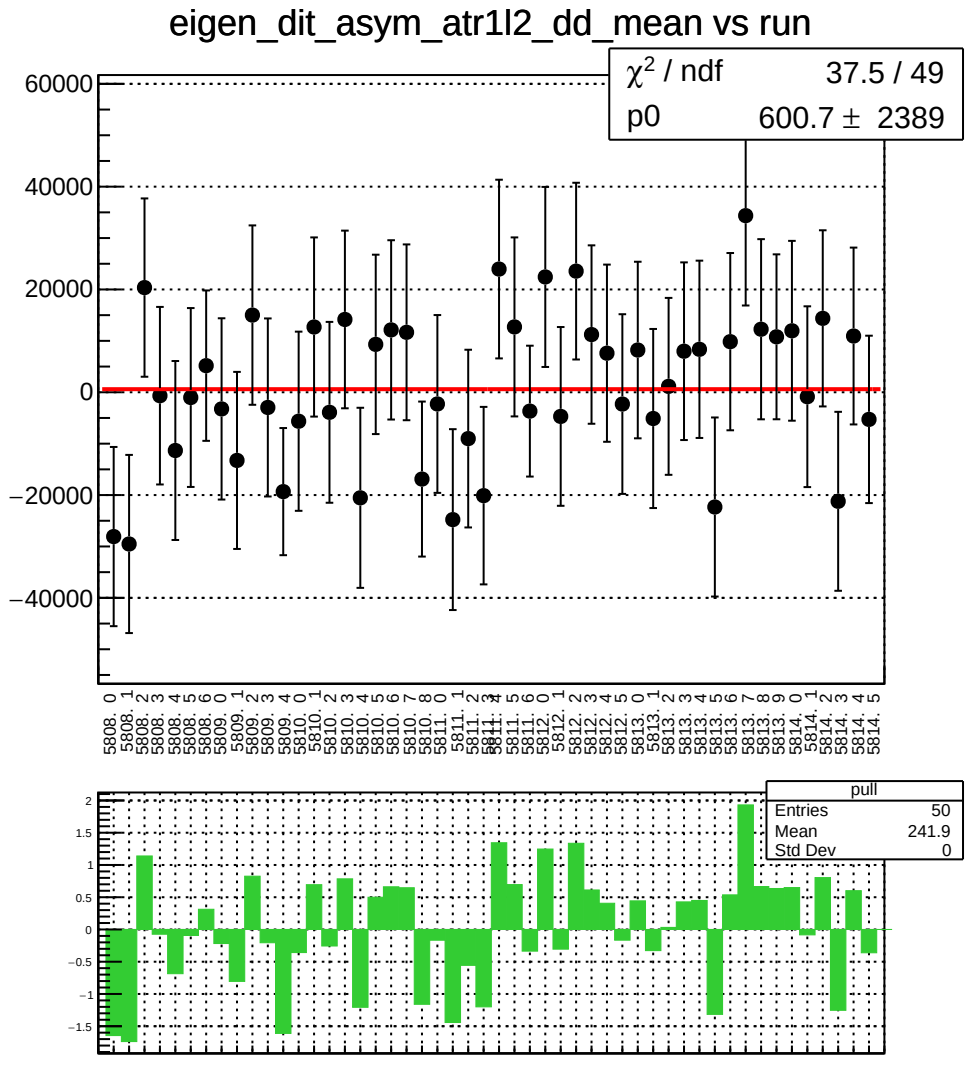
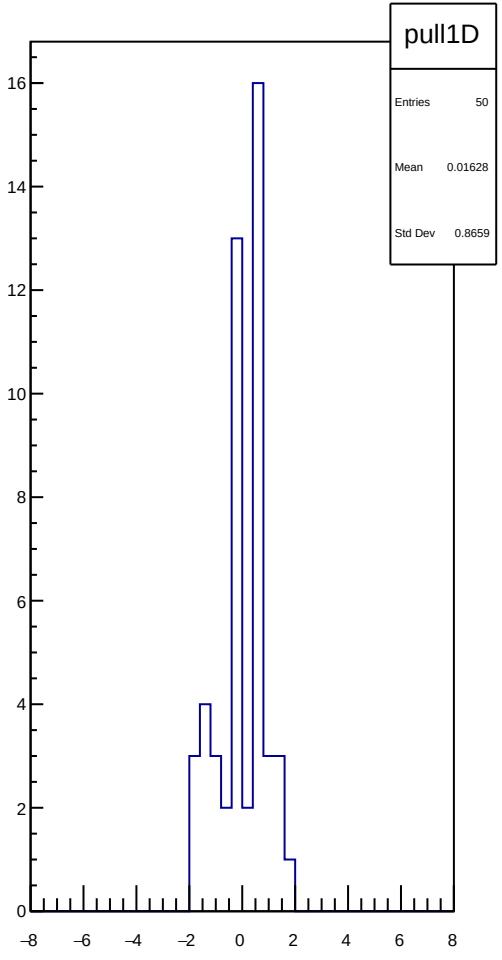
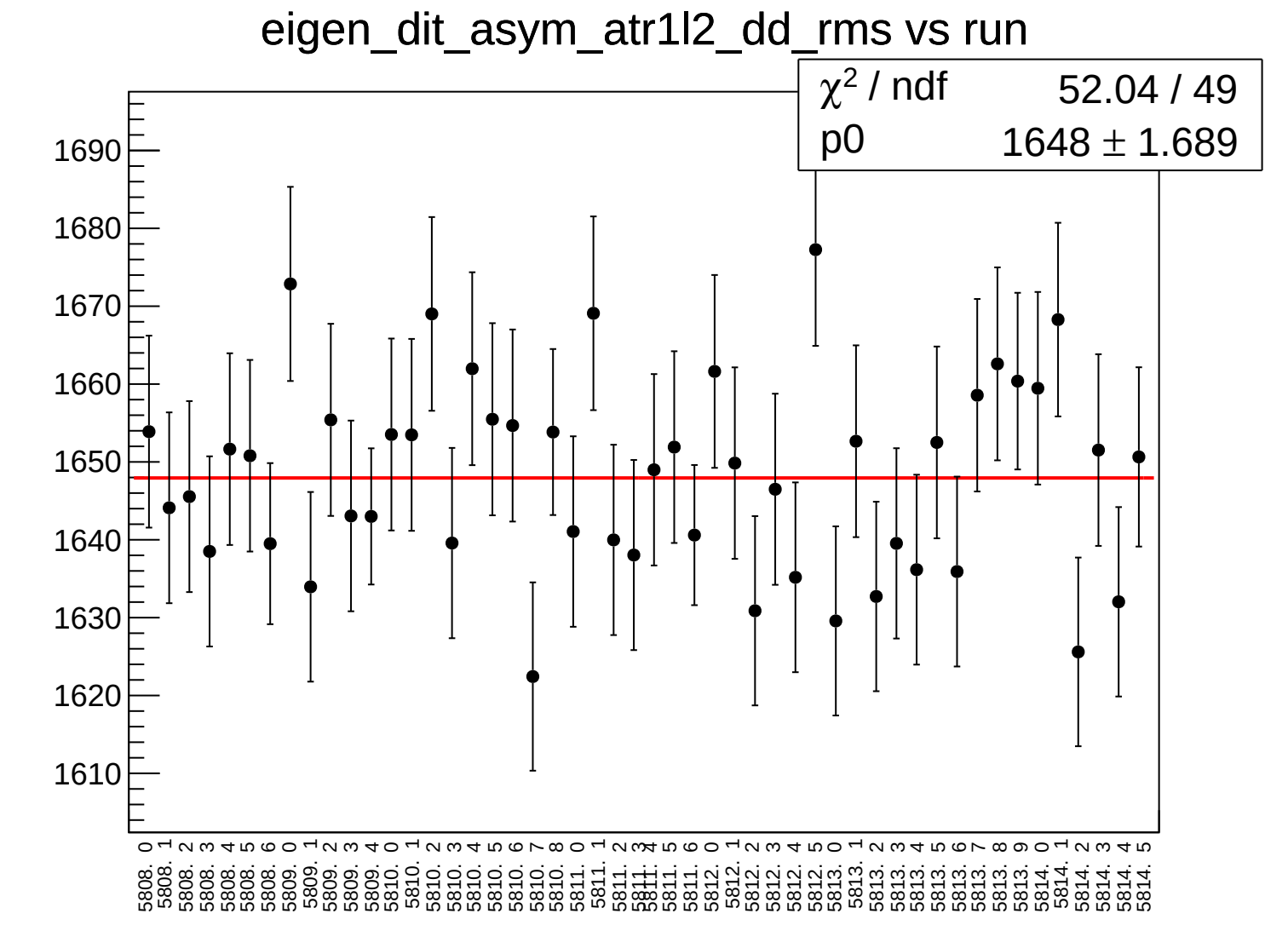
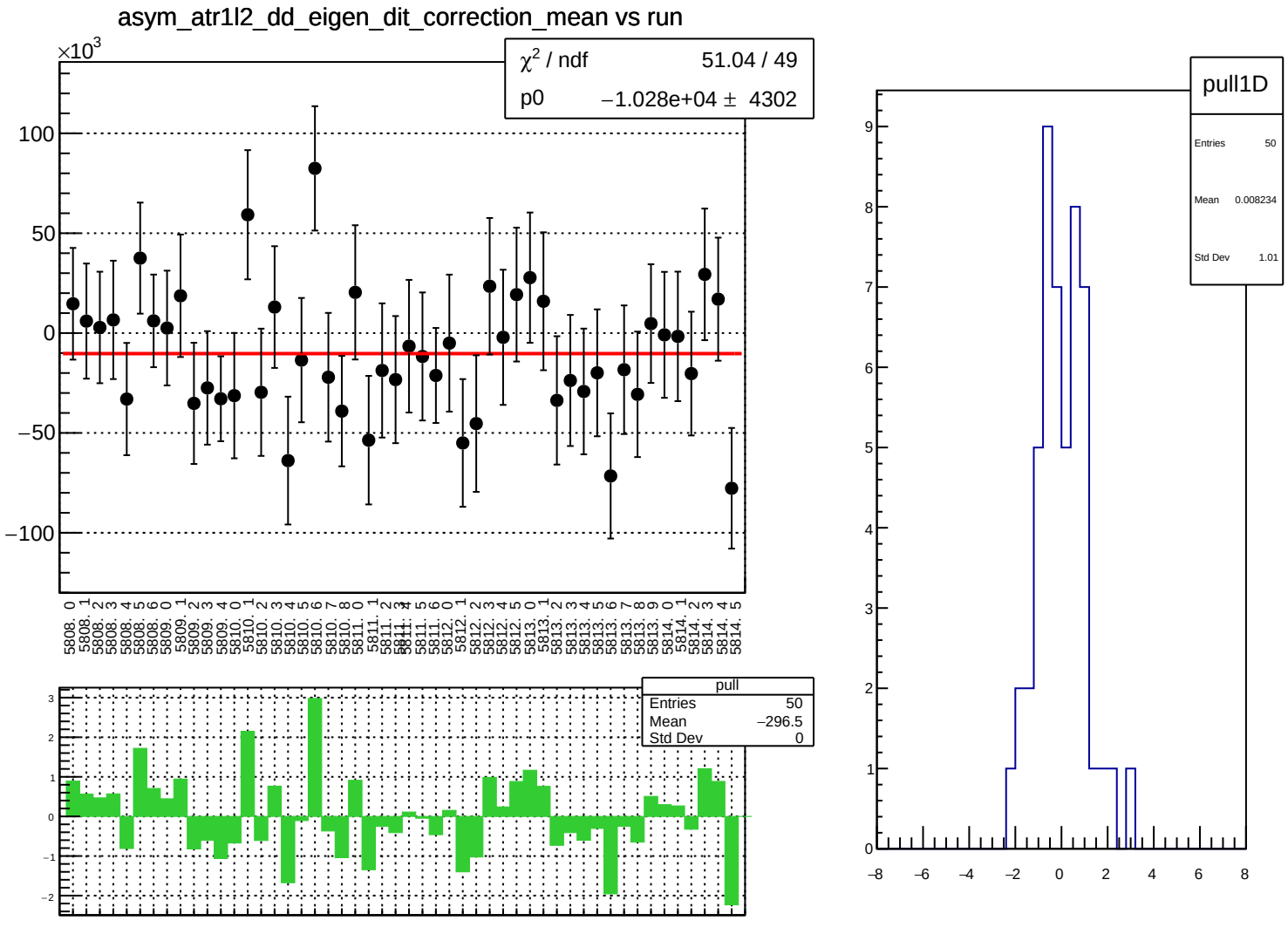
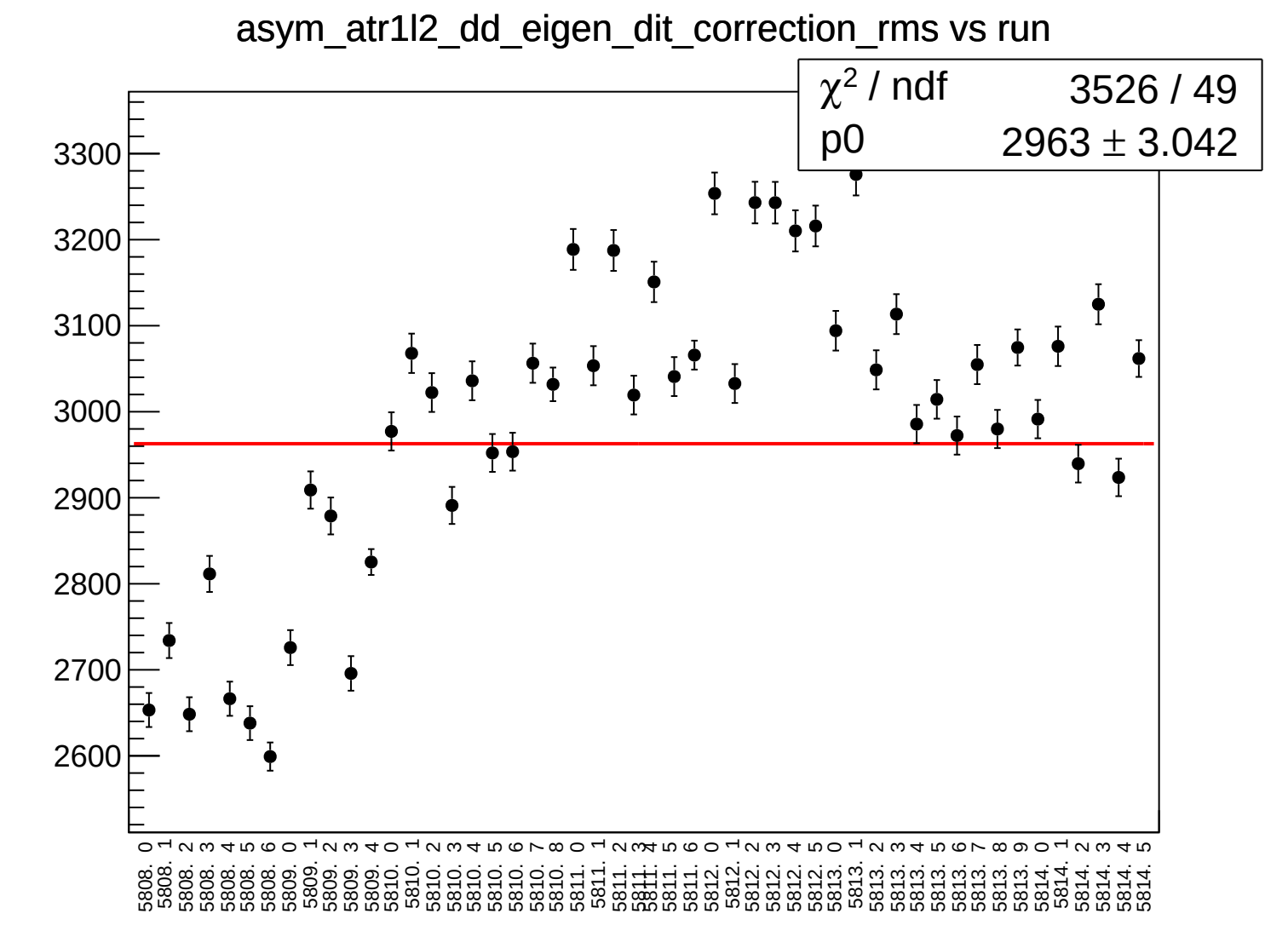
5814. 4
5814. 5

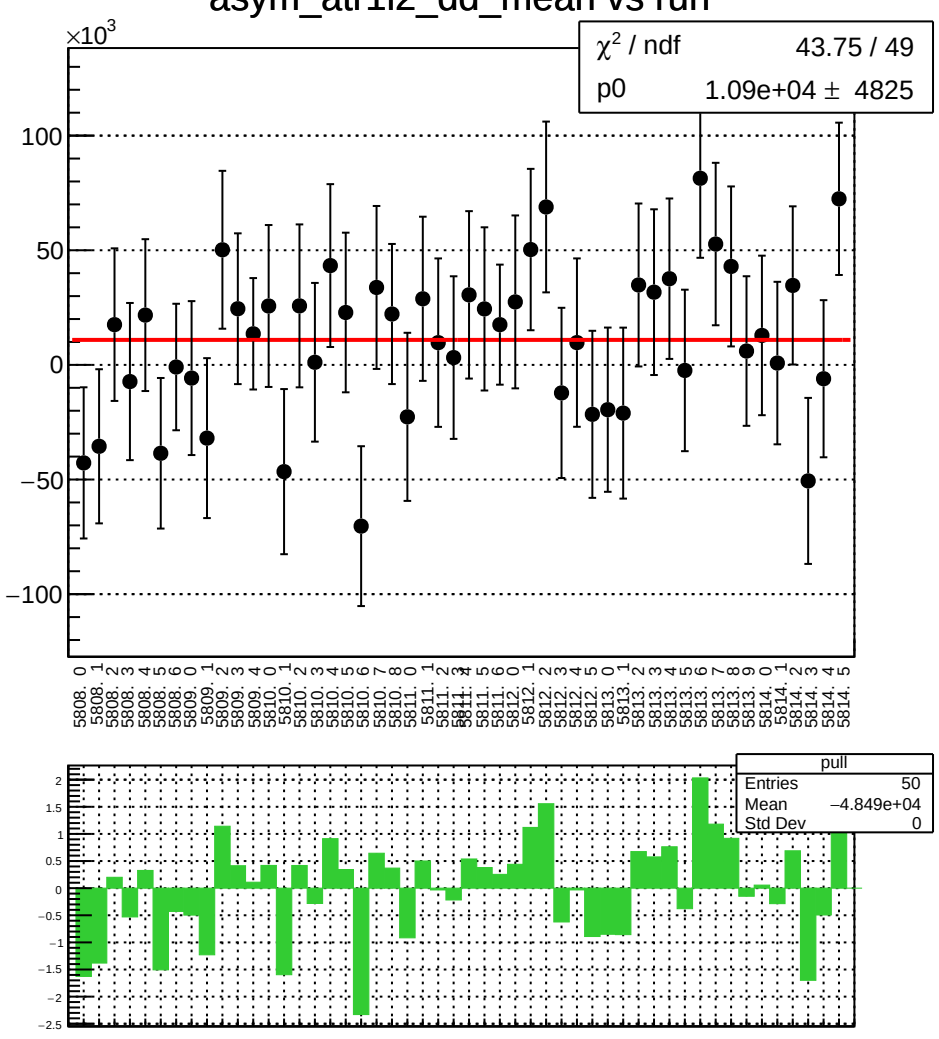

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 37.5 / 49
p0 600.7 ± 2389
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 241.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

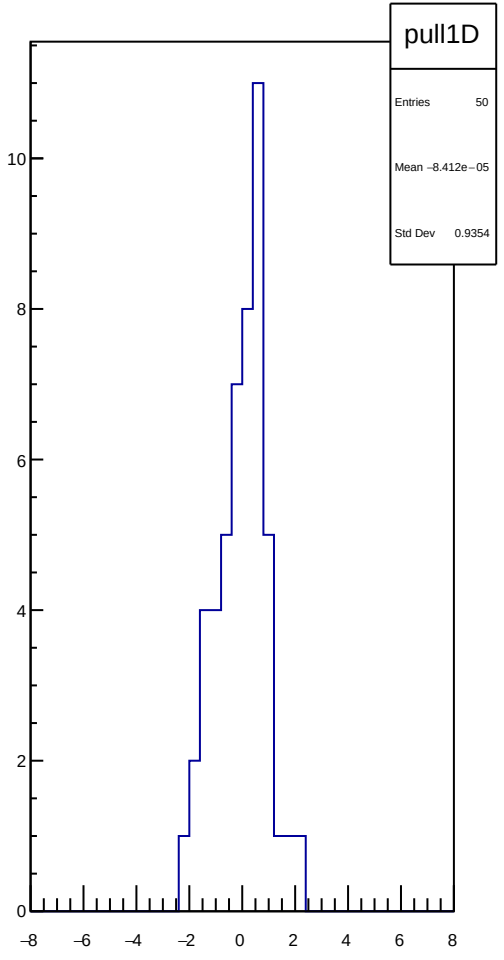

pull1D
Entries 50
Mean 0.01628
Std Dev 0.8659
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

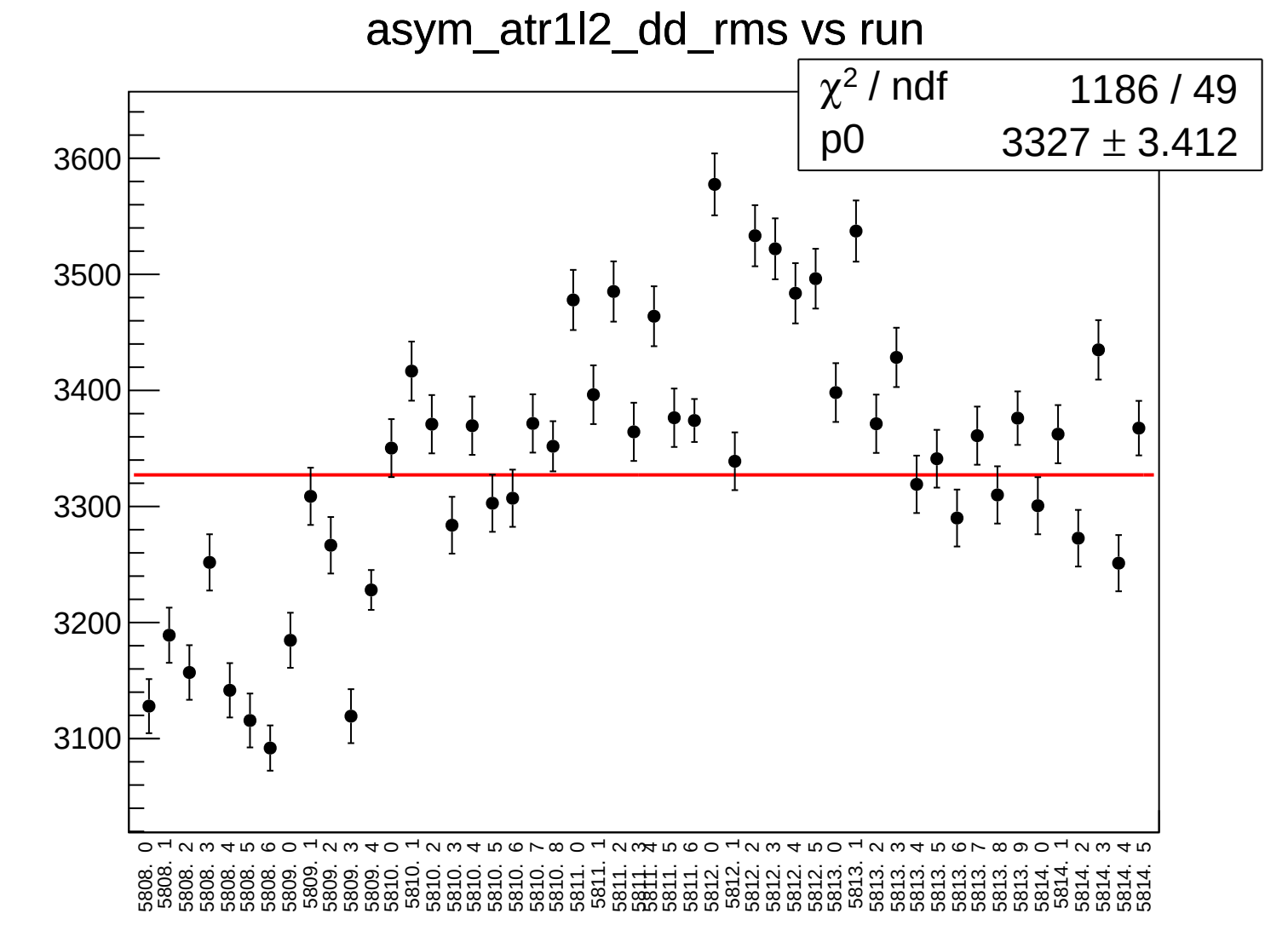

eigen_dit_asym_atr1l2_dd_rms vs run
χ^2 / ndf 52.04 / 49
p0 1648 ± 1.689
1690
1680
1670
1660
1650
1640
1630
1620
1610
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

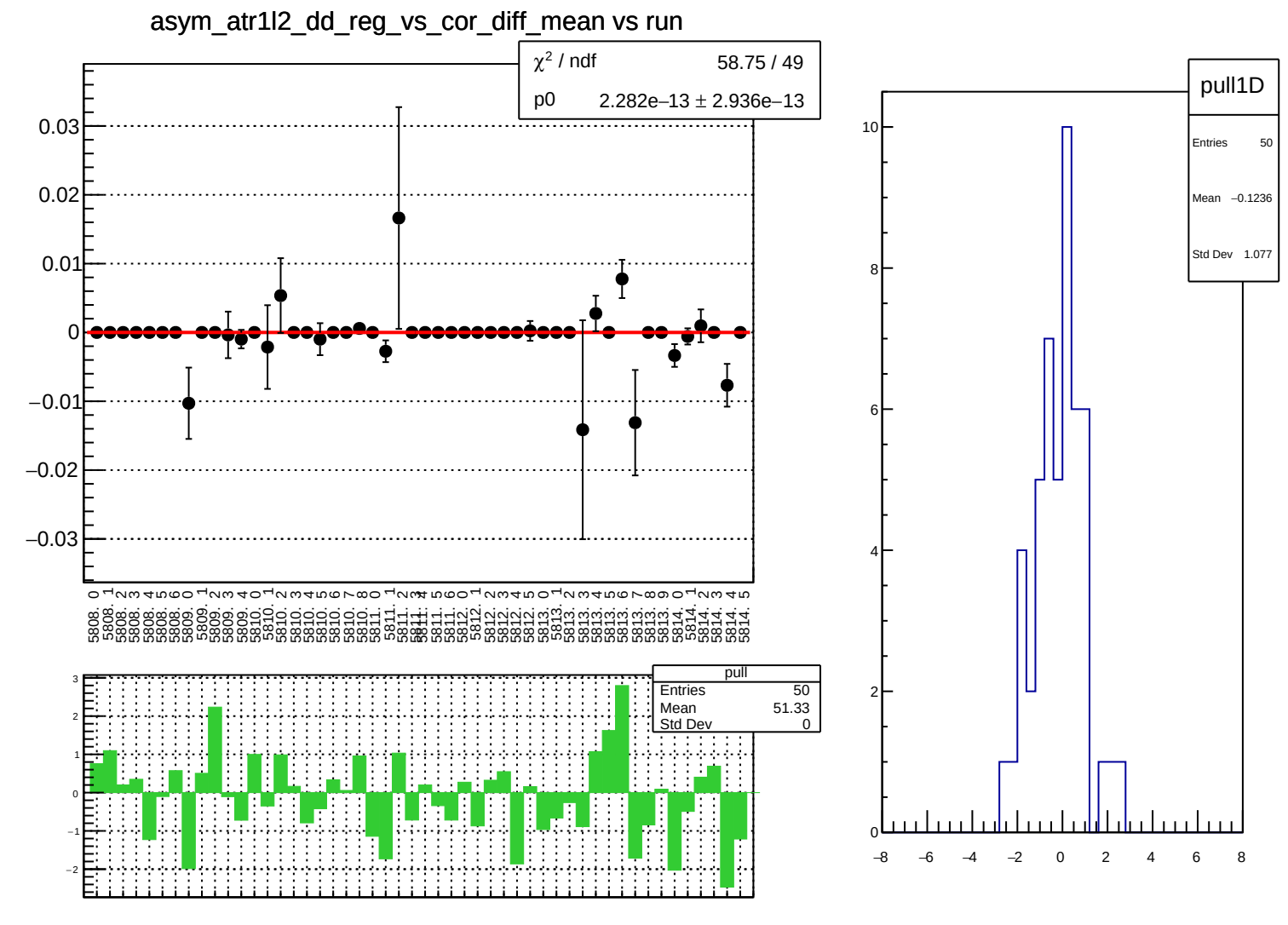

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.04 / 49
p0 −1.028e+04 ± 4302
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −296.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.008234
Std Dev 1.01
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

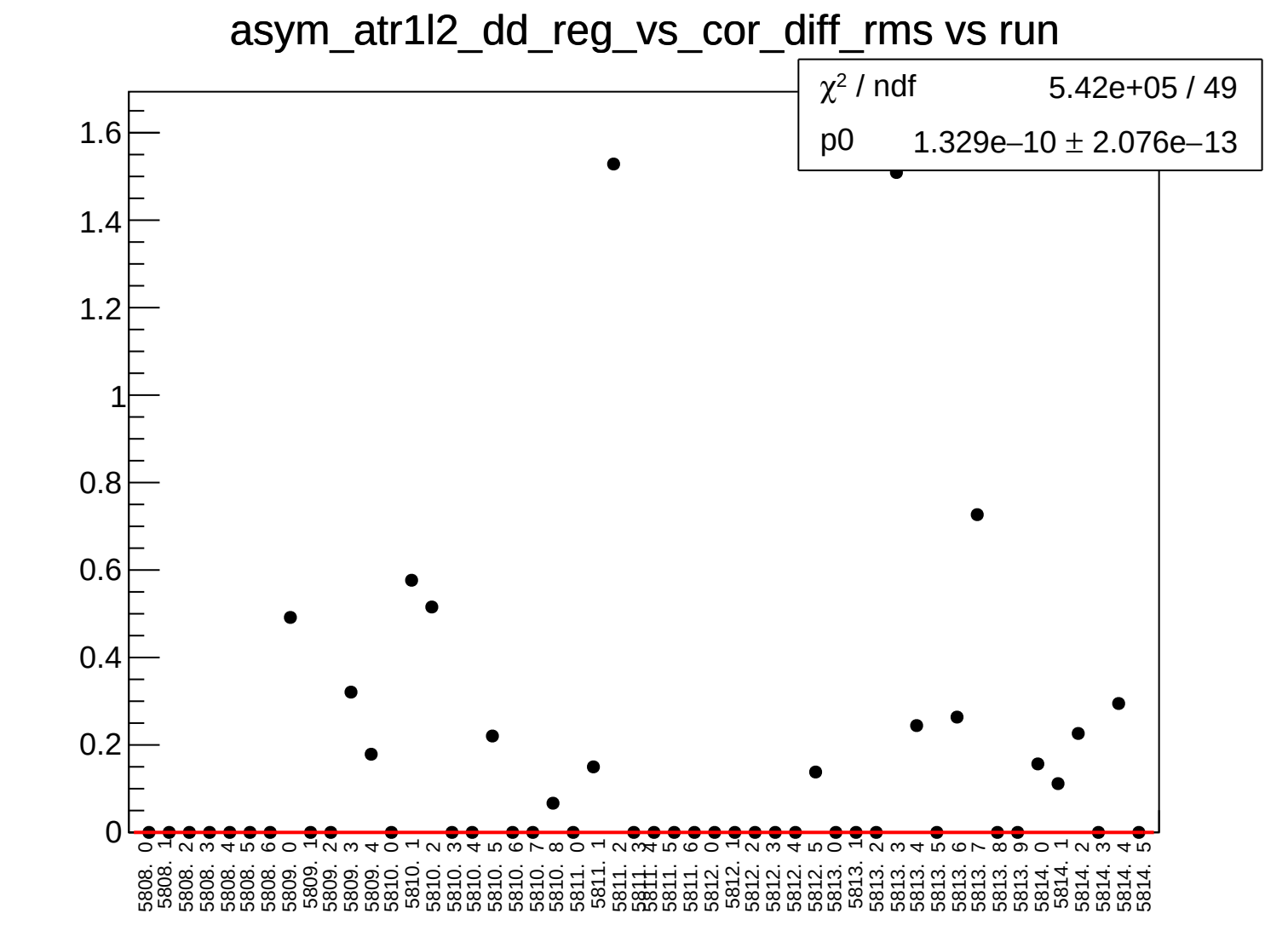

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3526 / 49
p0 2963 ± 3.042
3300
3200
3100
3000
2900
2800
2700
2600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

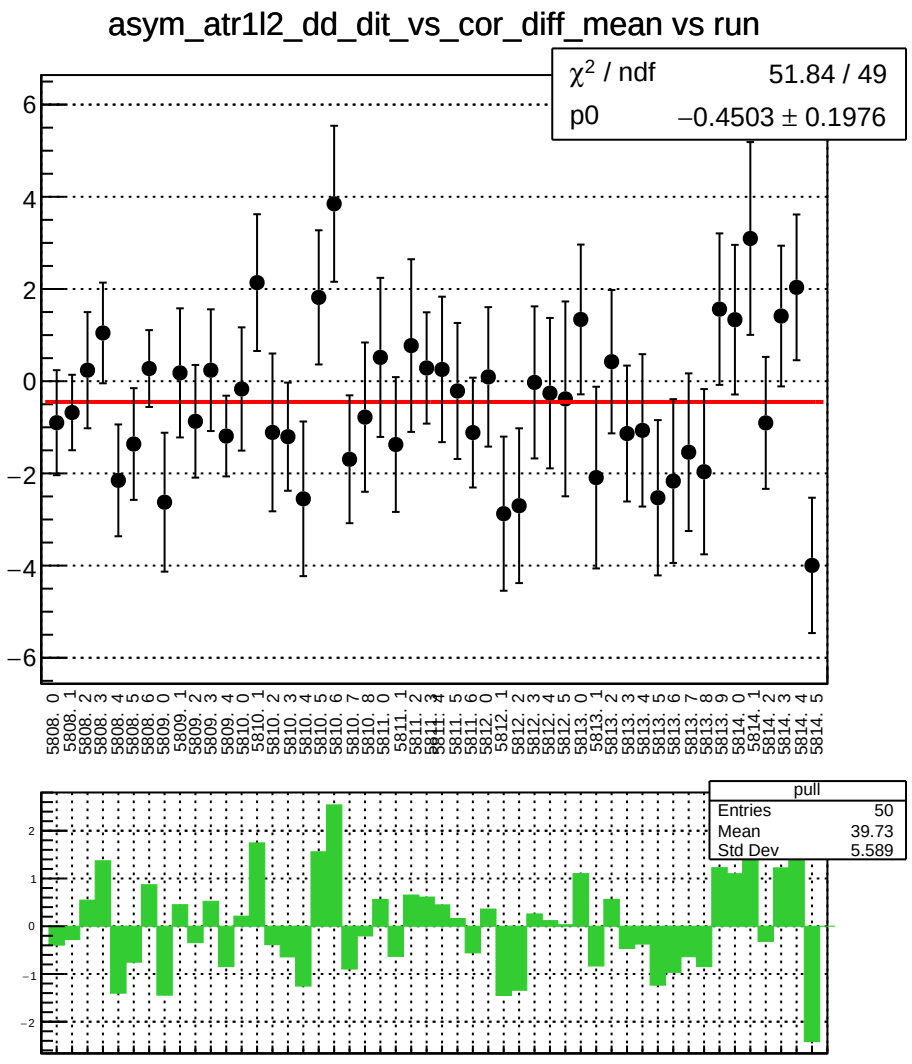

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 43.75 / 49
p0 1.09e+04 ± 4825
100
50
0
−50
−100
pull
Entries 50
Mean −4.849e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

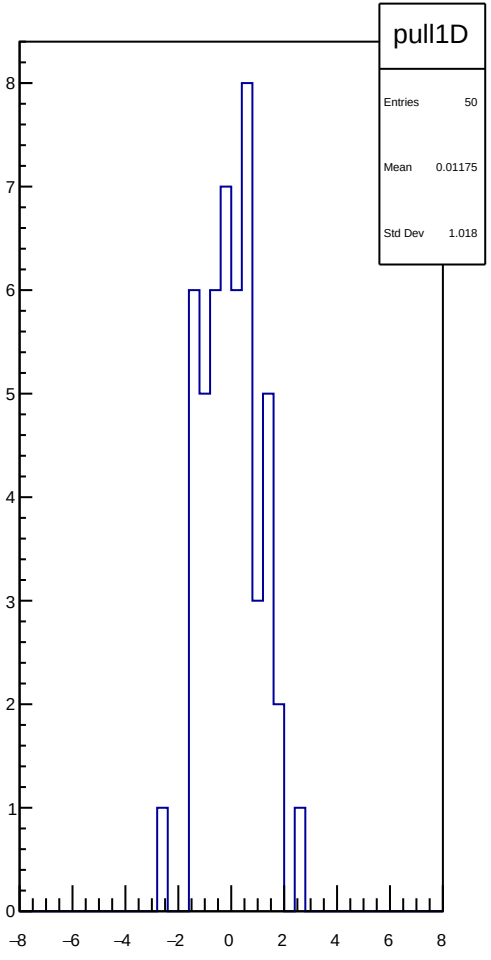

pull1D
Entries 50
Mean −8.412e−05
Std Dev 0.9354
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

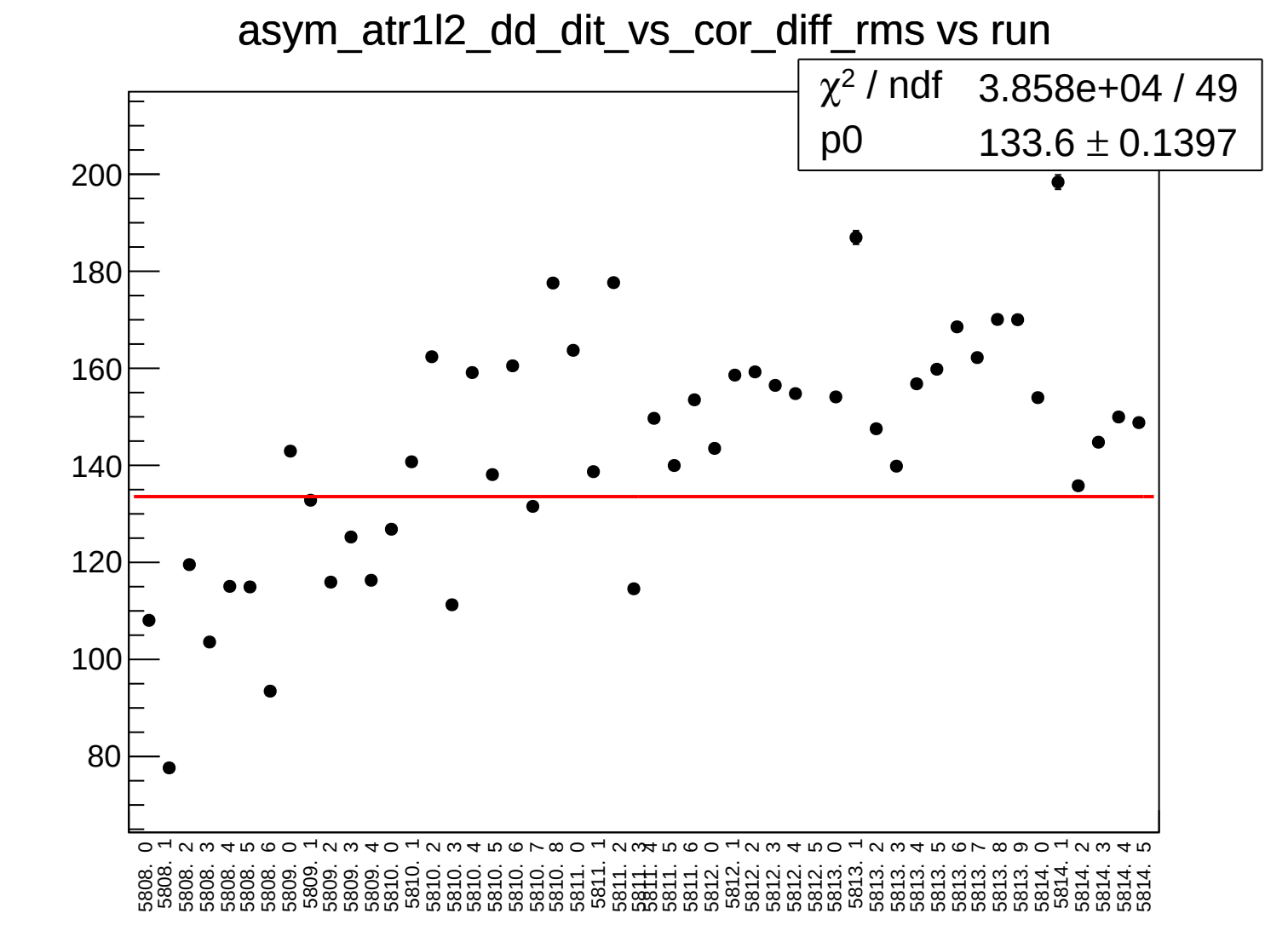

asym_atr1l2_dd_rms vs run
χ² / ndf 1186 / 49
p0 3327 ± 3.412
3600
3500
3400
3300
3200
3100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.75 / 49
p0 2.282e−13 ± 2.936e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 51.33
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.1236
Std Dev 1.077
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 5.42e+05 / 49
p0 1.329e−10 ± 2.076e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.84 / 49
p0 −0.4503 ± 0.1976
pull
Entries 50
Mean 39.73
Std Dev 5.589


pull1D
Entries 50
Mean 0.01175
Std Dev 1.018


asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.858e+04 / 49
p0 133.6 ± 0.1397
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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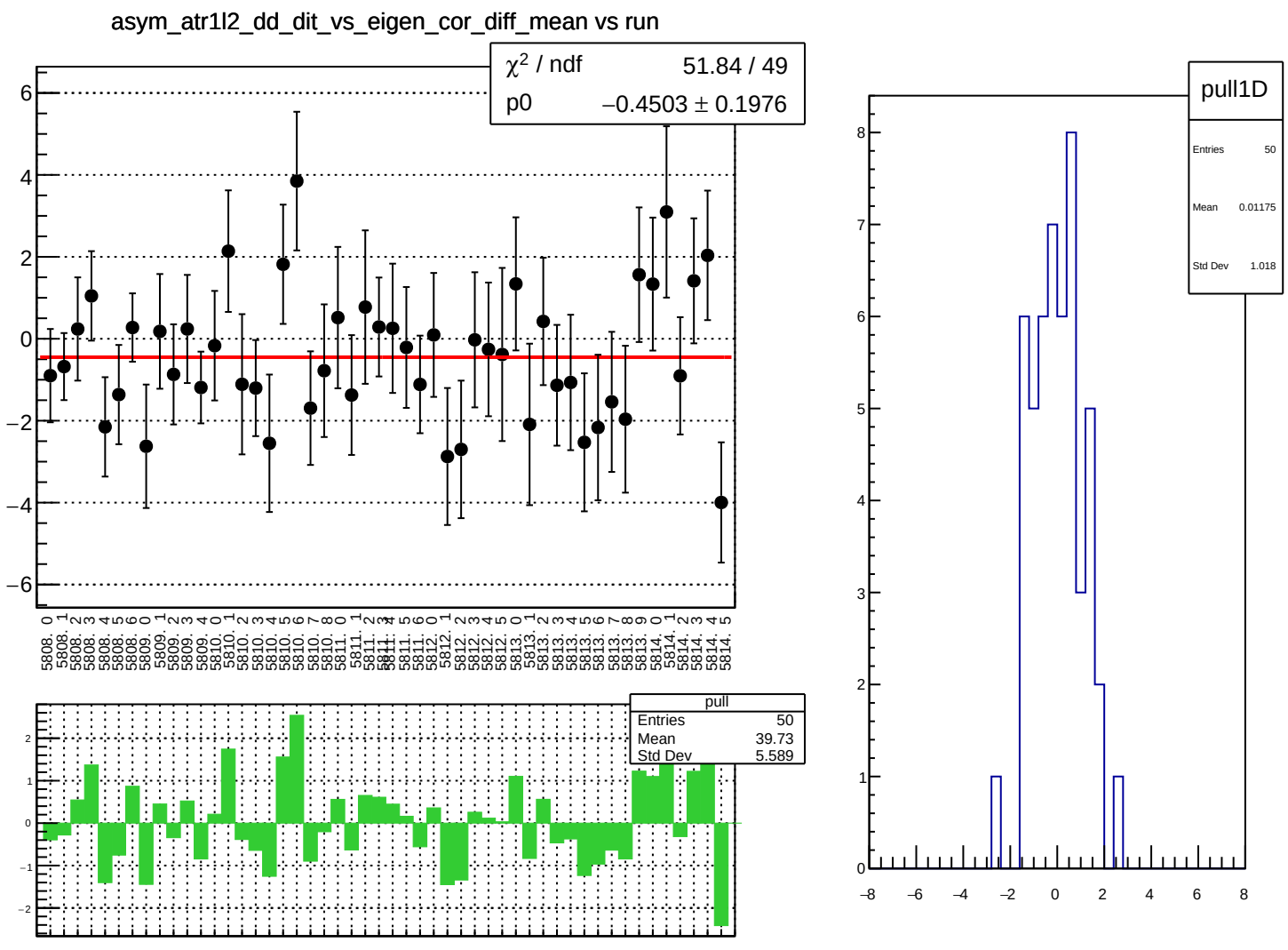
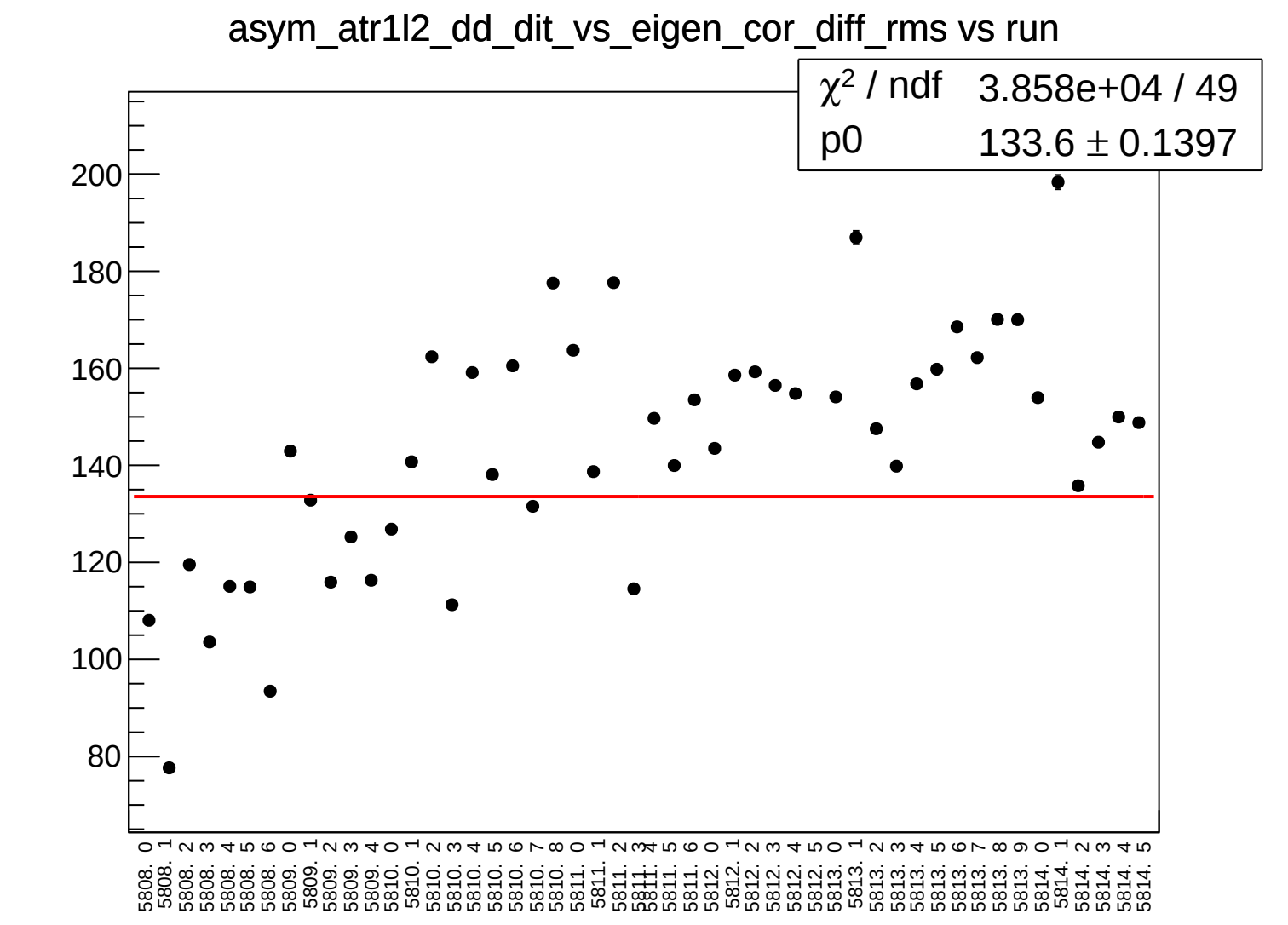
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.84 / 49
p0 −0.4503 ± 0.1976
pull
Entries 50
Mean 39.73
Std Dev 5.589
pull1D
Entries 50
Mean 0.01175
Std Dev 1.018


asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.858e+04 / 49
p0 133.6 ± 0.1397
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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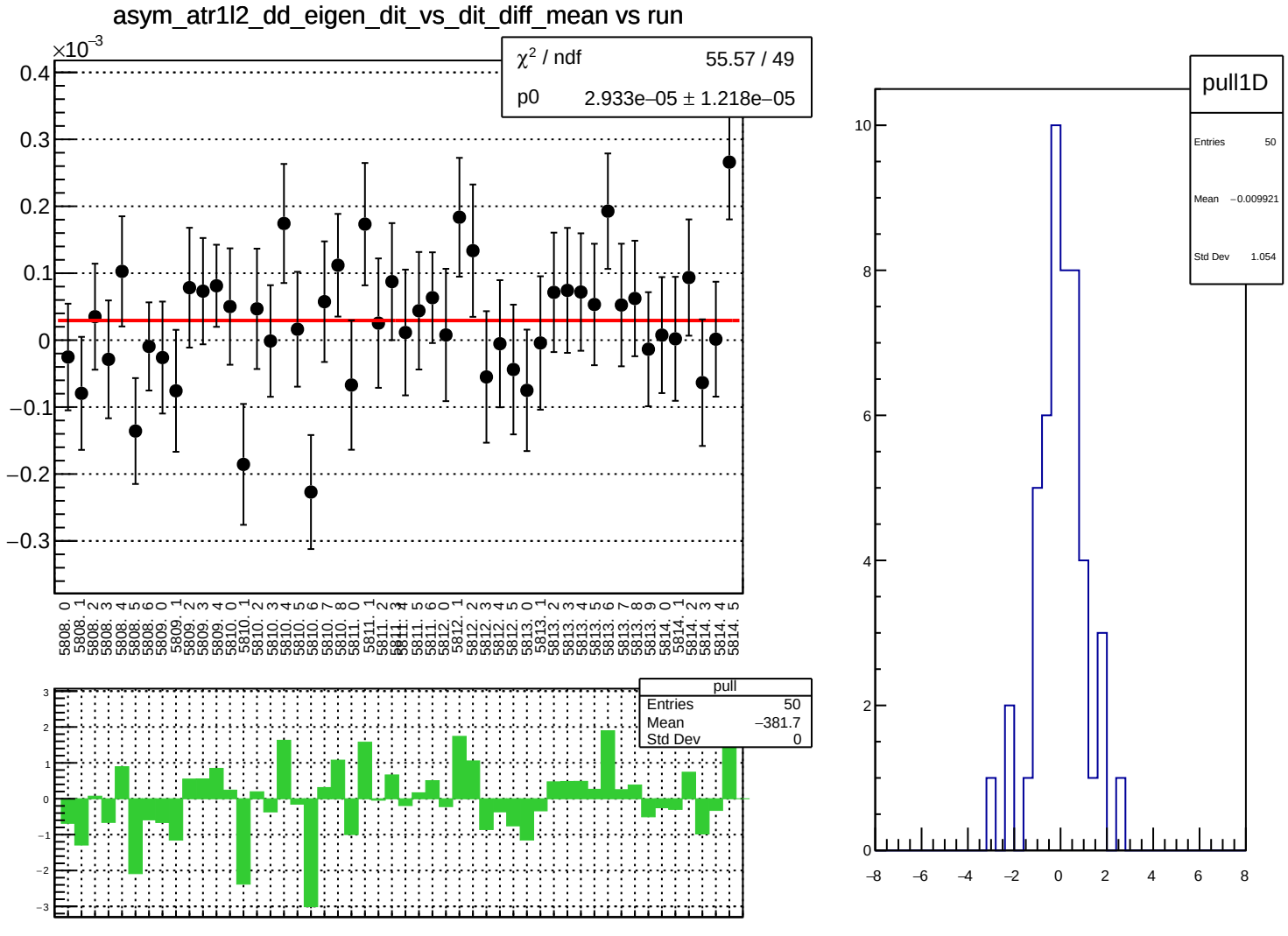
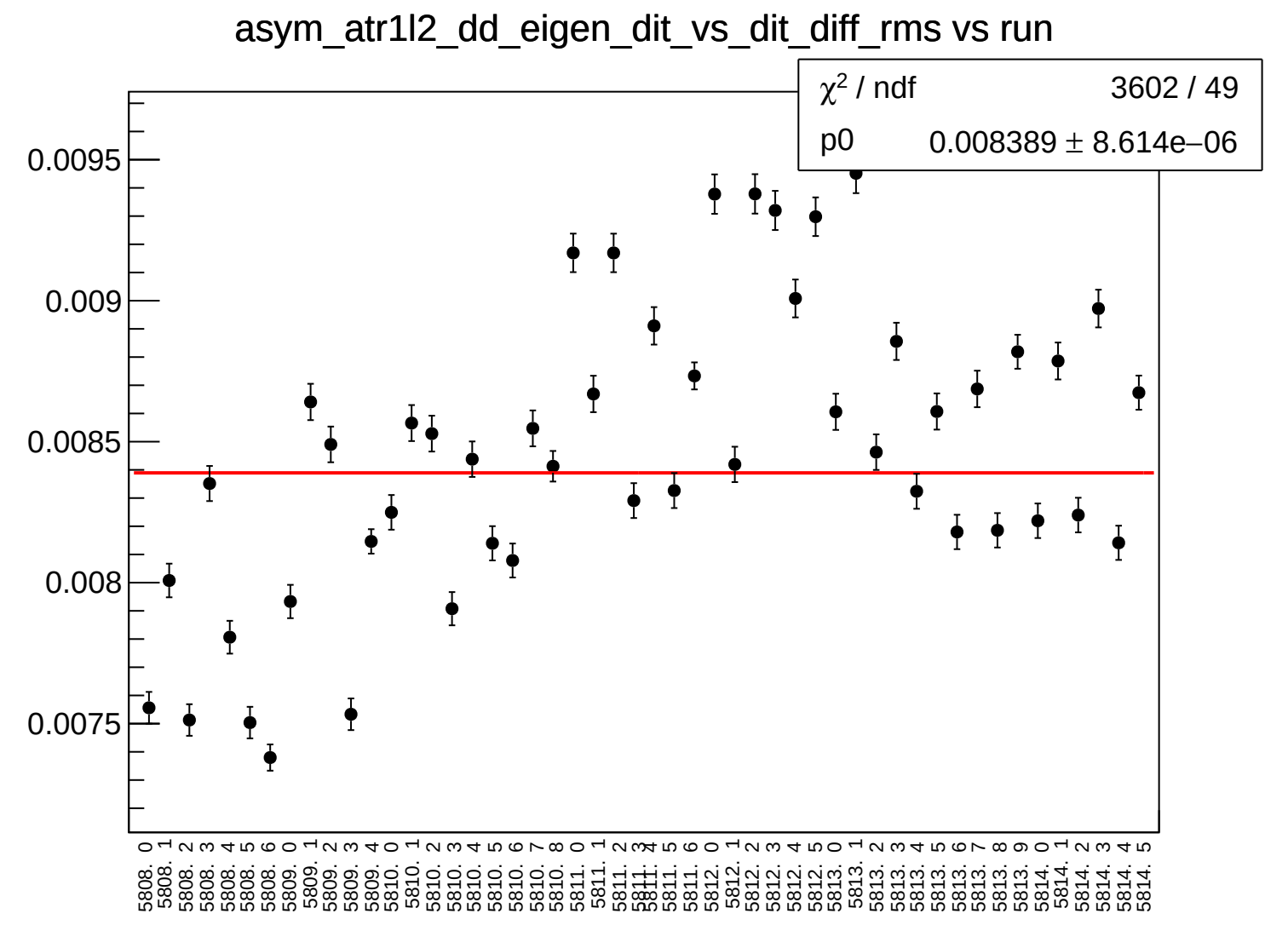
5814. 4
5814. 5


asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.57 / 49
p0 2.933e−05 ± 1.218e−05
pull
Entries 50
Mean −381.7
Std Dev 0
pull1D
Entries 50
Mean −0.009921
Std Dev 1.054


asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3602 / 49
p0 0.008389 ± 8.614e−06
0.0095
0.009
0.0085
0.008
0.0075
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
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5813. 4
5813. 5
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5814. 0
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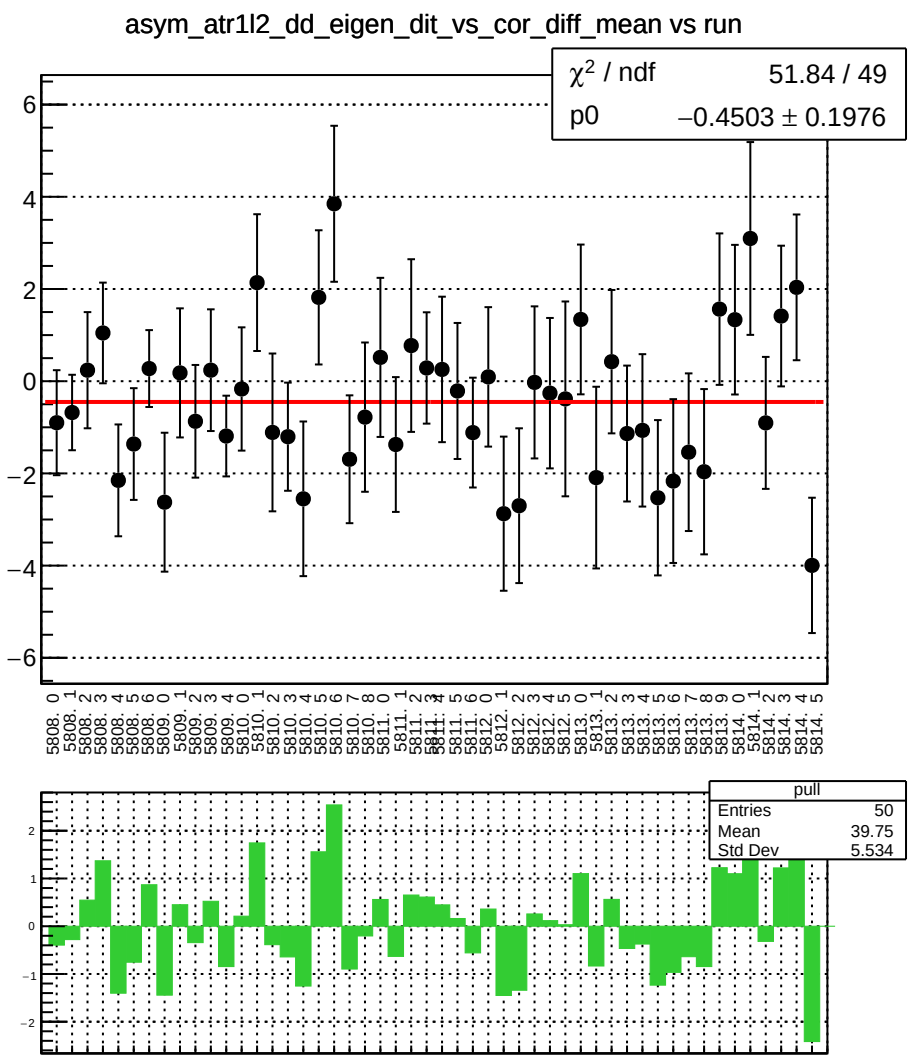
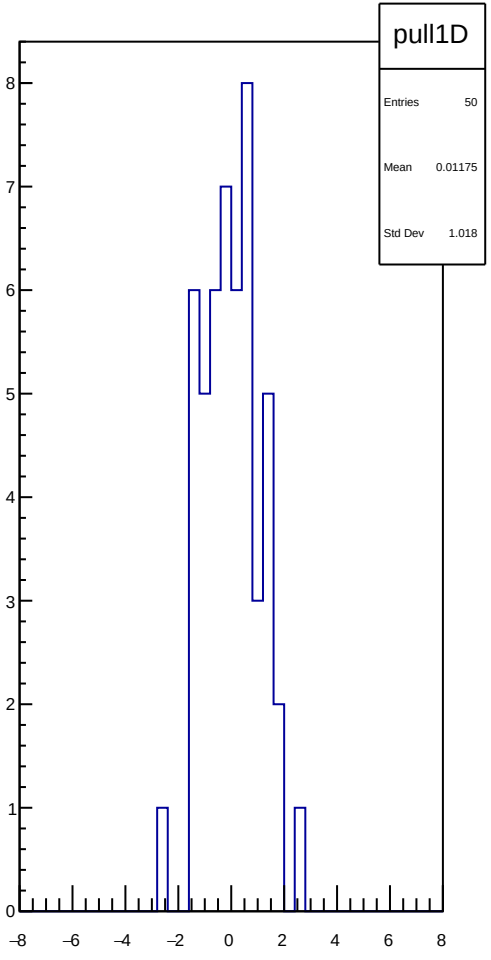
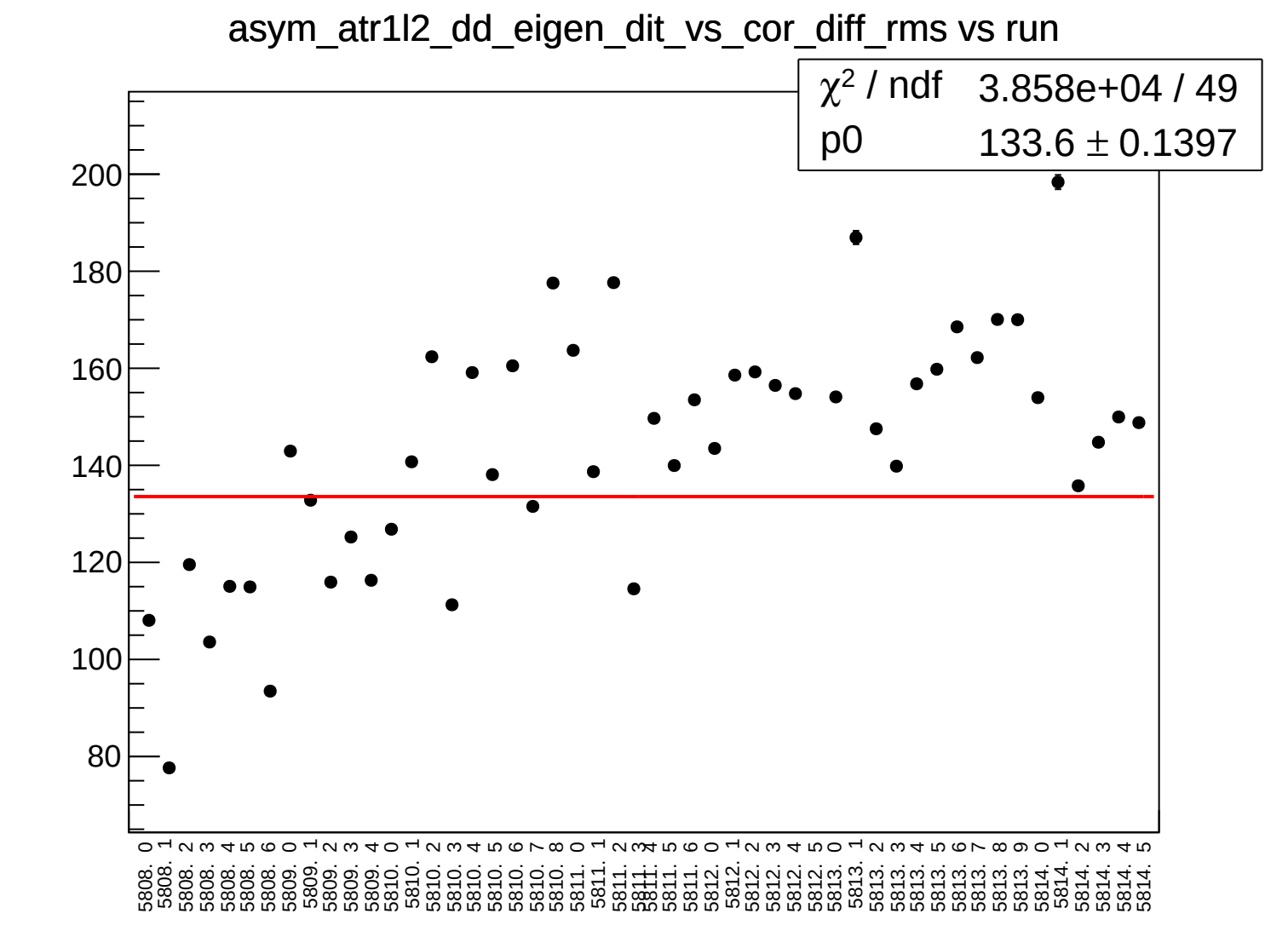
5814. 5


asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.84 / 49
p0 −0.4503 ± 0.1976
pull
Entries 50
Mean 39.75
Std Dev 5.534


pull1D
Entries 50
Mean 0.01175
Std Dev 1.018


asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.858e+04 / 49
p0 133.6 ± 0.1397
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
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5811. 3
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5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 8
5813. 9
5814. 0
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5814. 2
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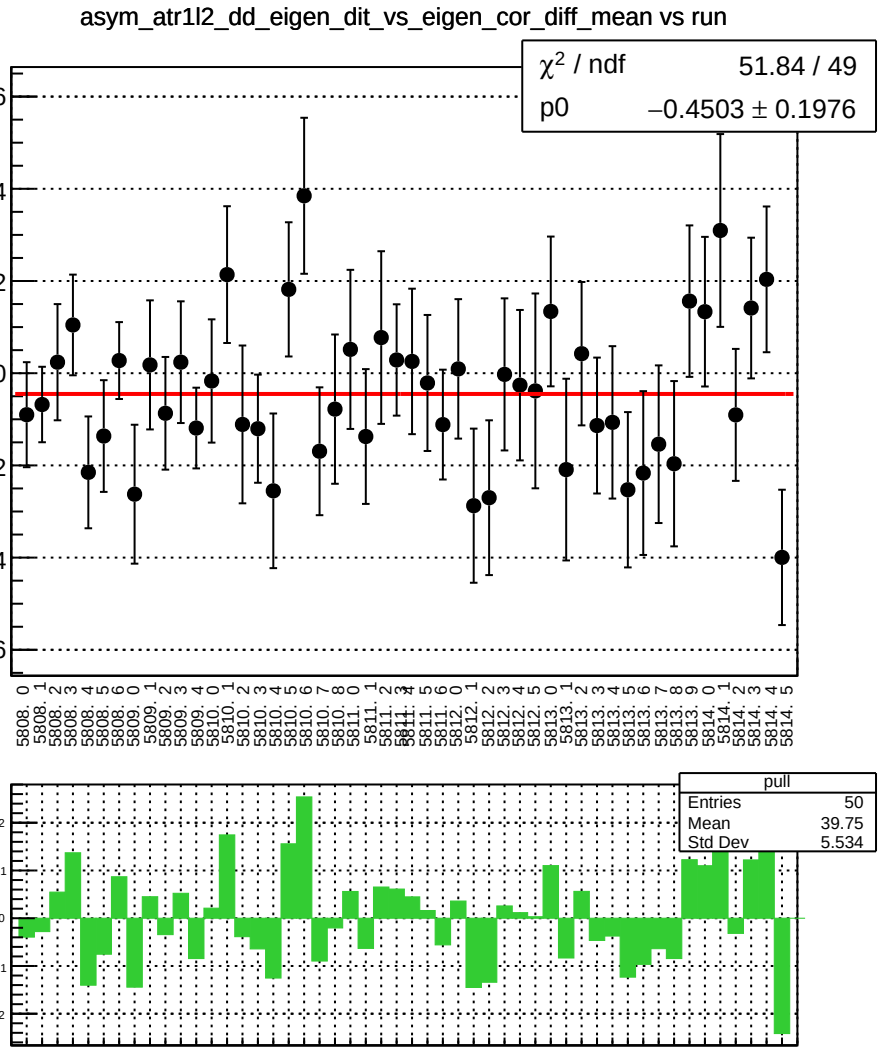
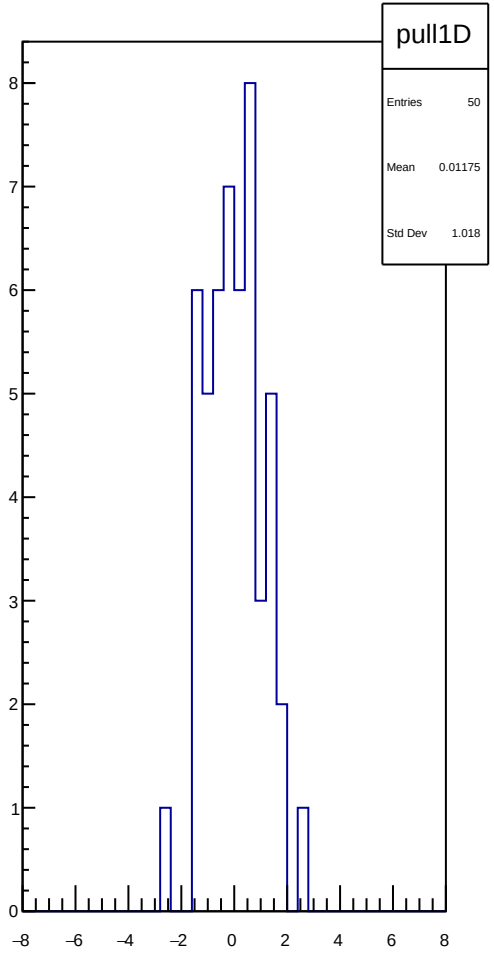
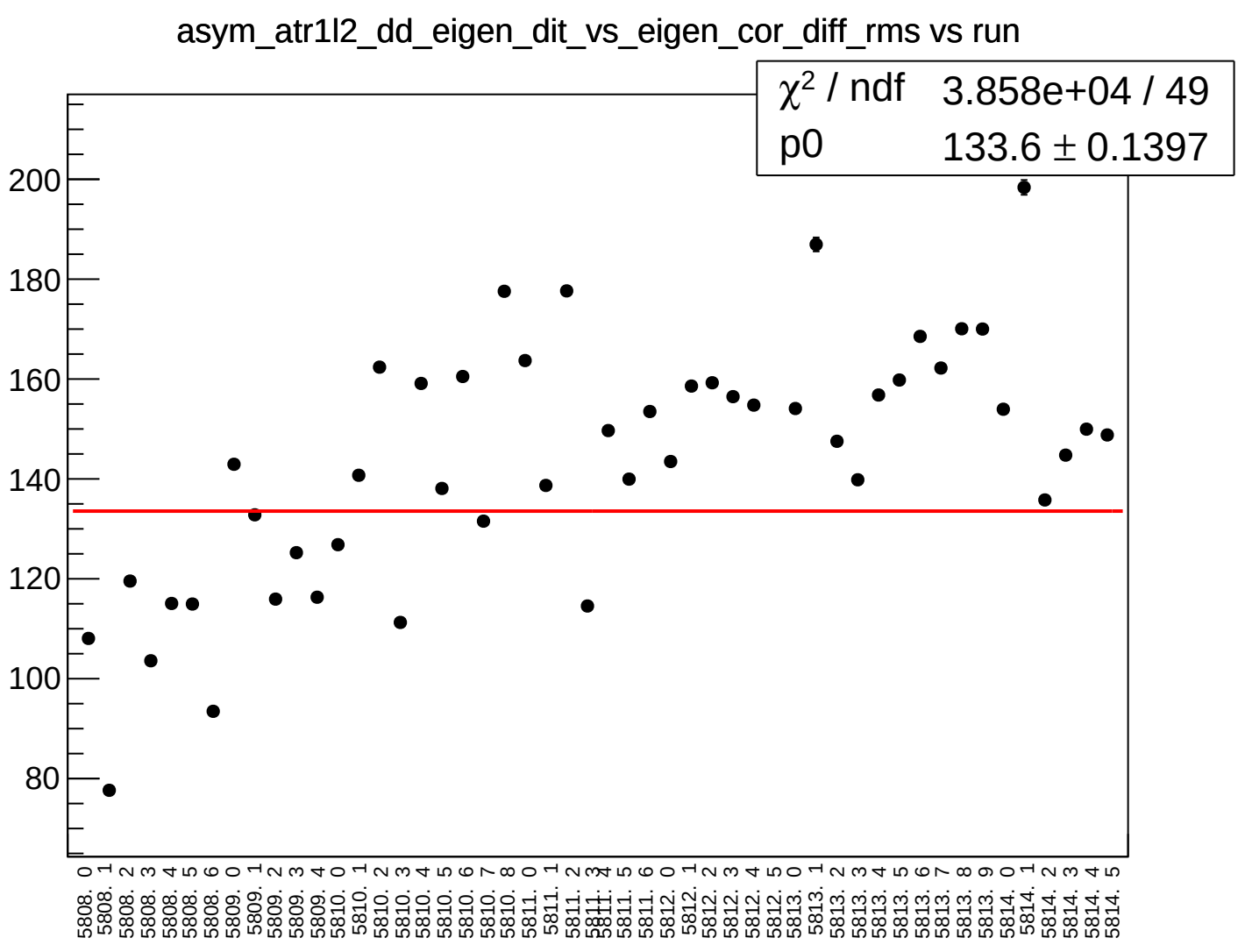
5814. 5


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.84 / 49
p0 −0.4503 ± 0.1976
pull
Entries 50
Mean 39.75
Std Dev 5.534


pull1D
Entries 50
Mean 0.01175
Std Dev 1.018


asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.858e+04 / 49
p0 133.6 ± 0.1397
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 3
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5813. 0
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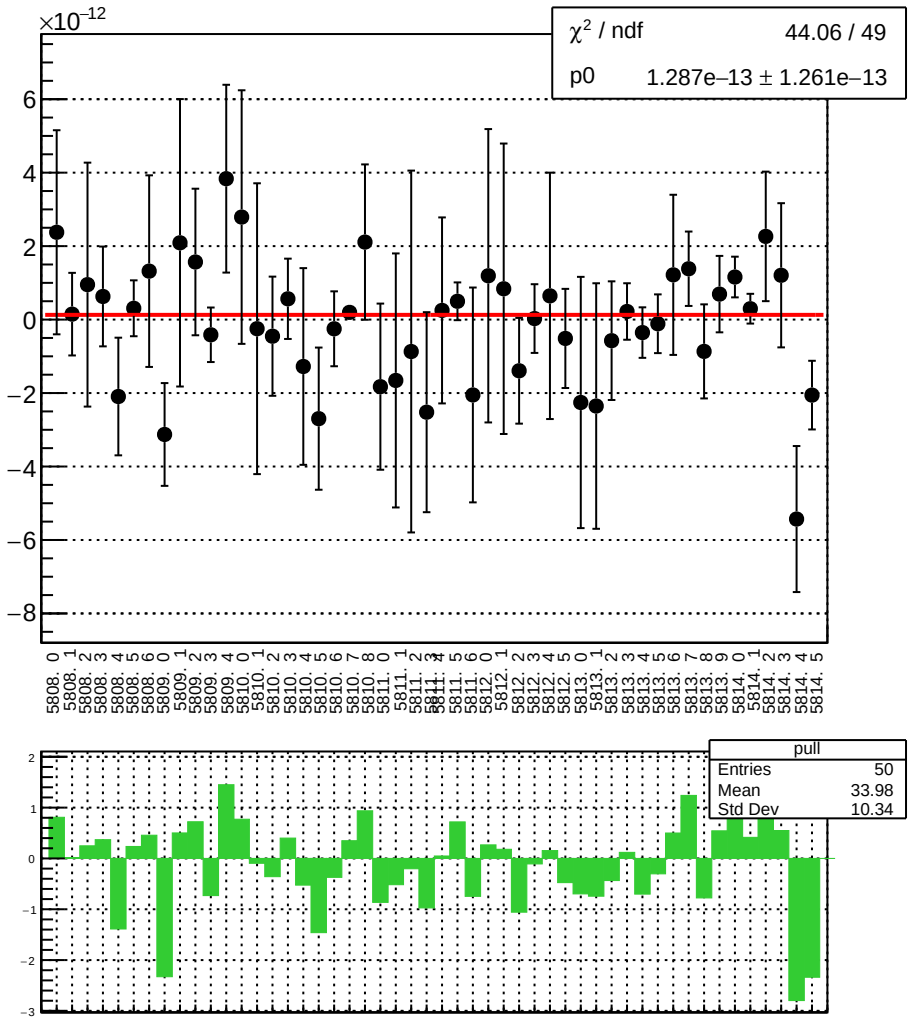
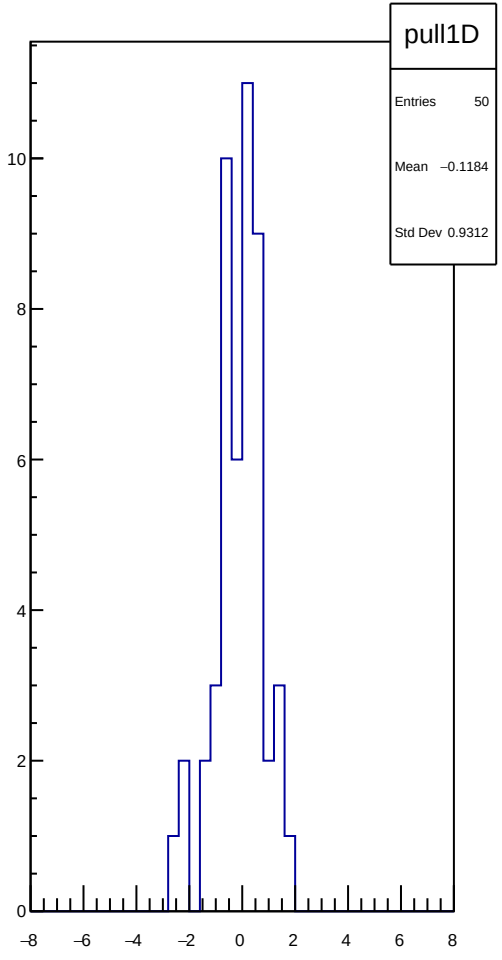
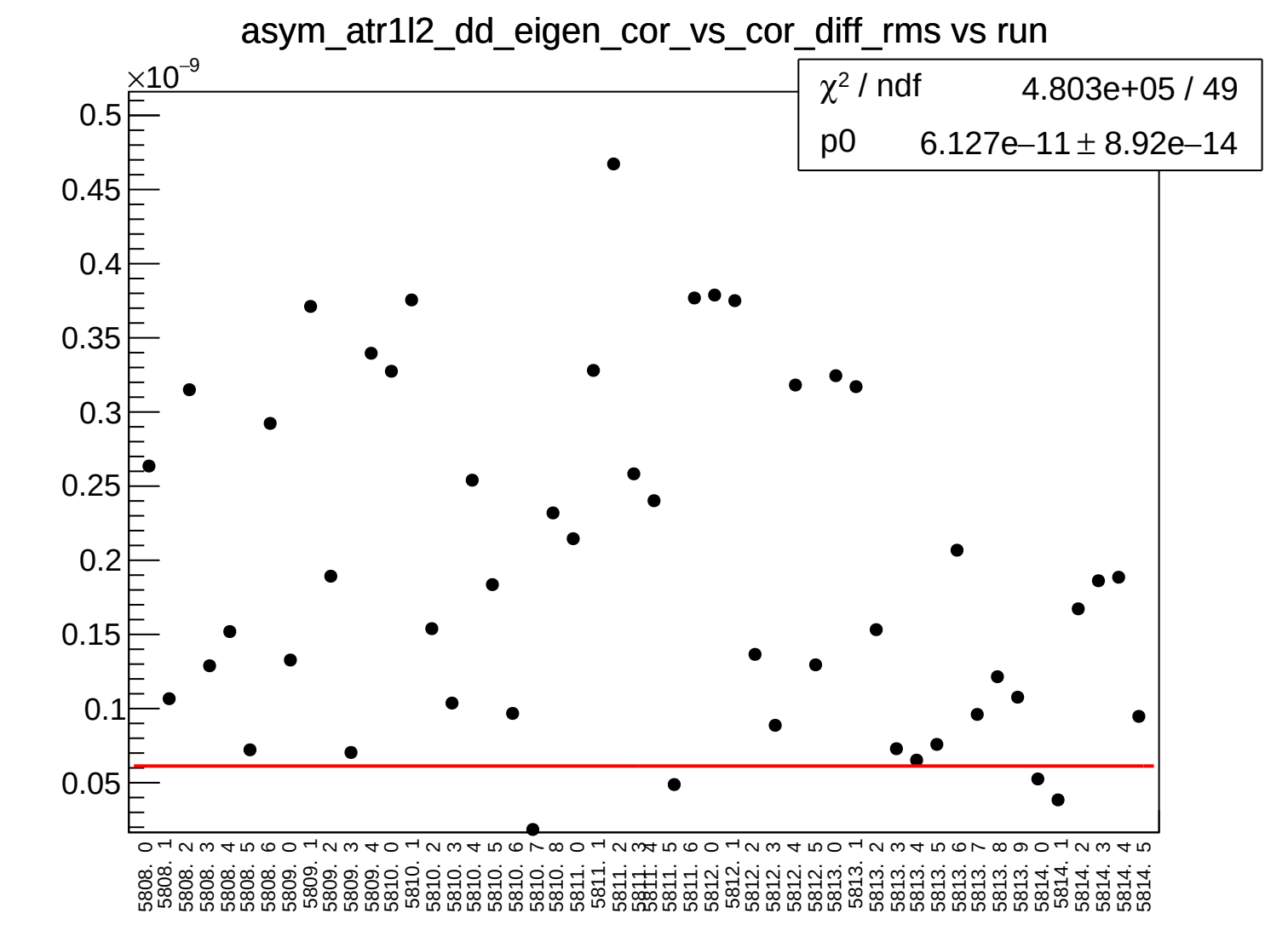
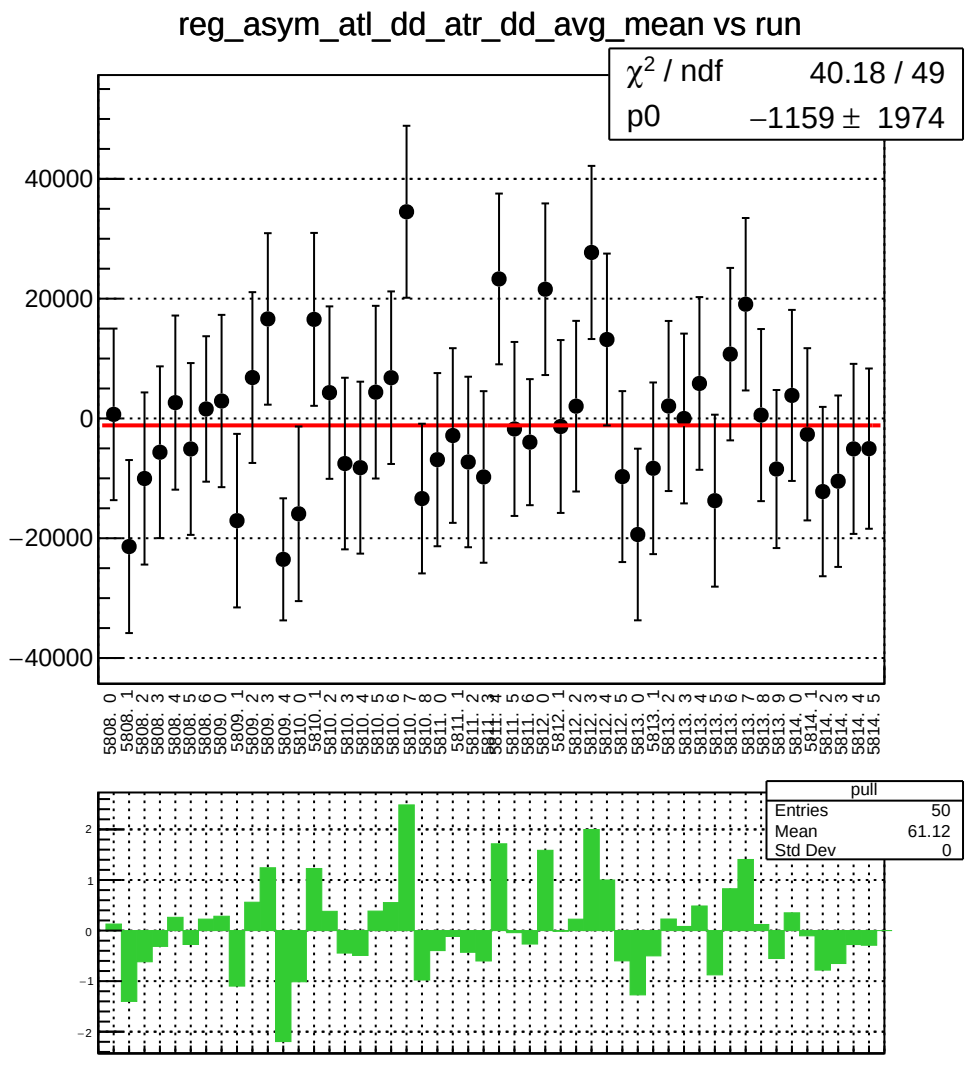
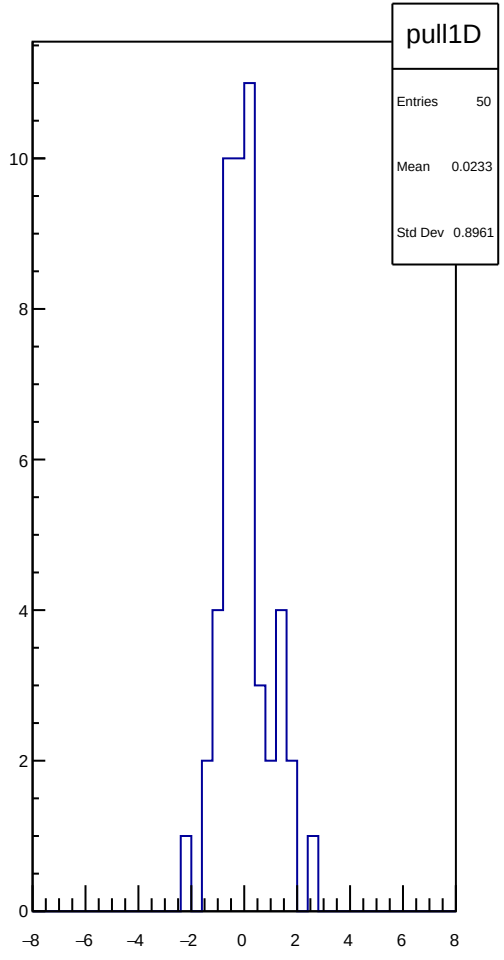
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

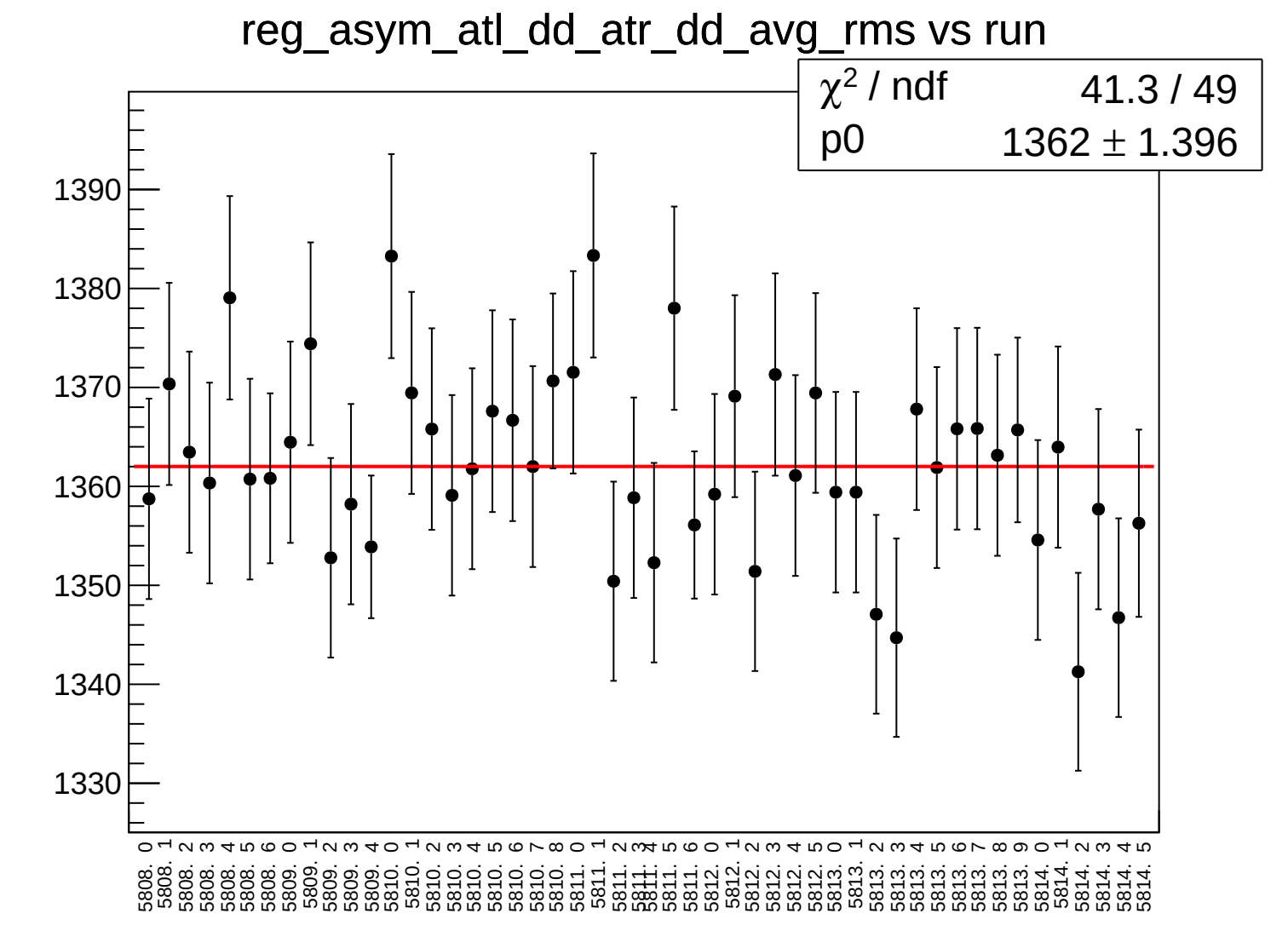

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.06 / 49
p0 1.287e−13 ± 1.261e−13
pull
Entries 50
Mean 33.98
Std Dev 10.34

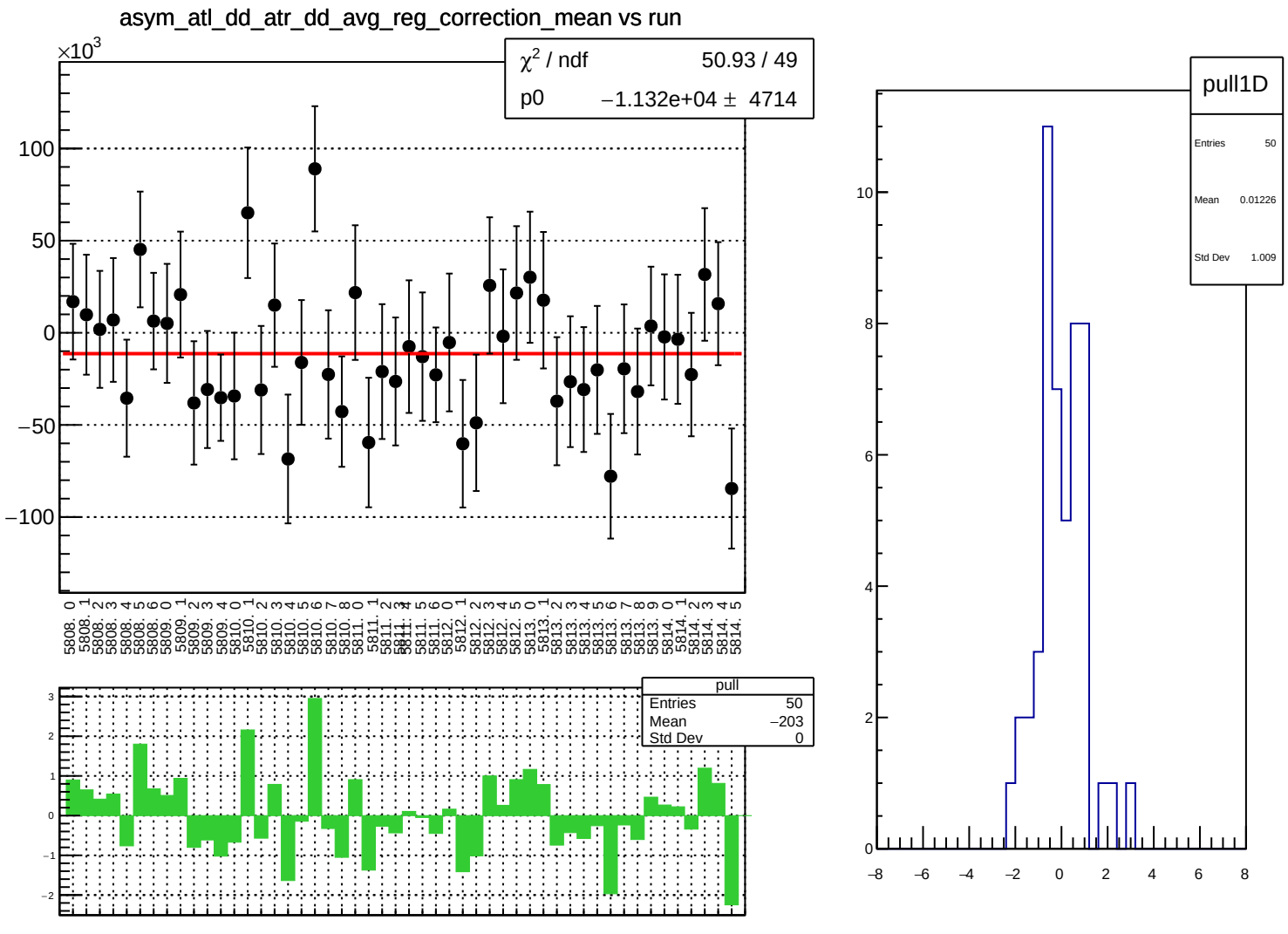

pull1D
Entries 50
Mean −0.1184
Std Dev 0.9312

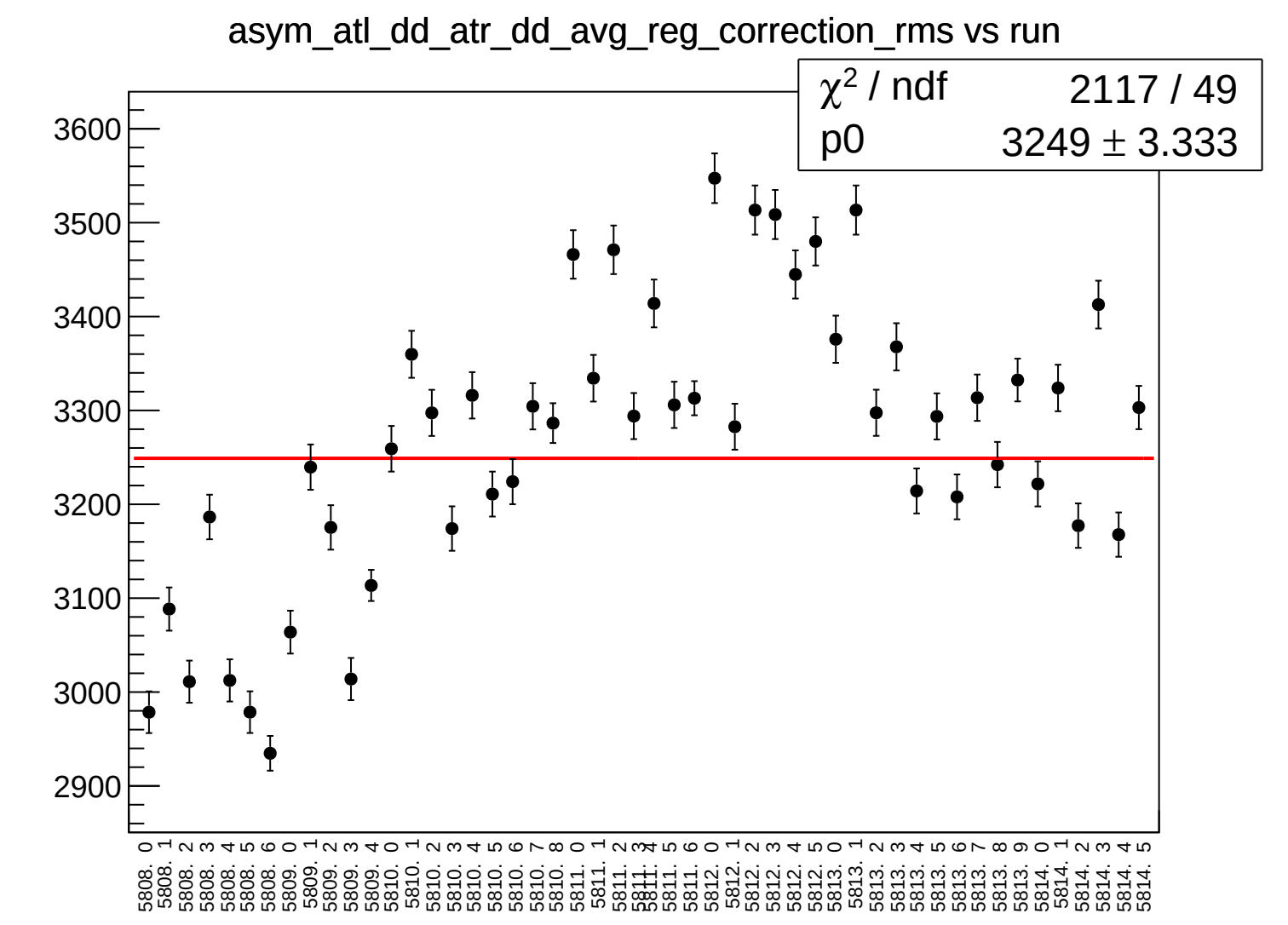

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.803e+05 / 49
p0 6.127e−11 ± 8.92e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

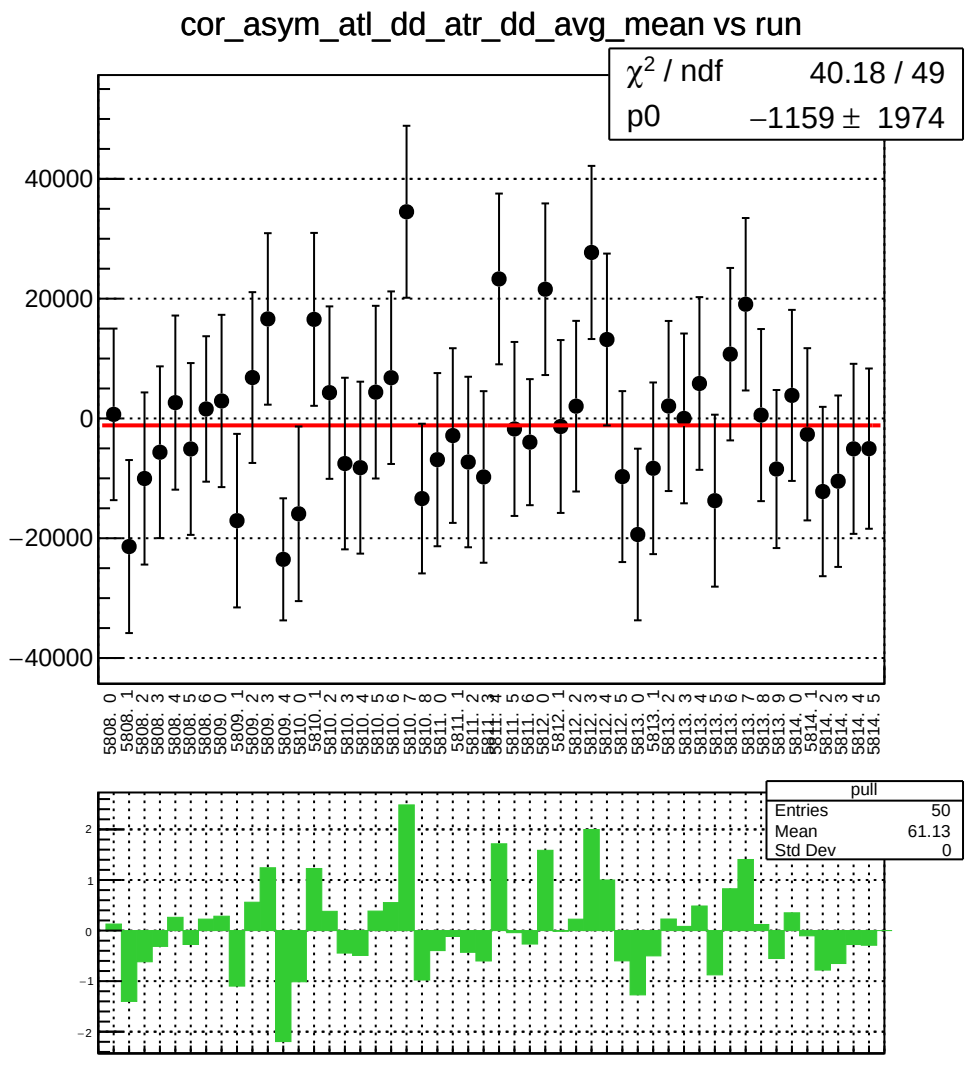

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.12
Std Dev 0
2
1
0
−1
−2

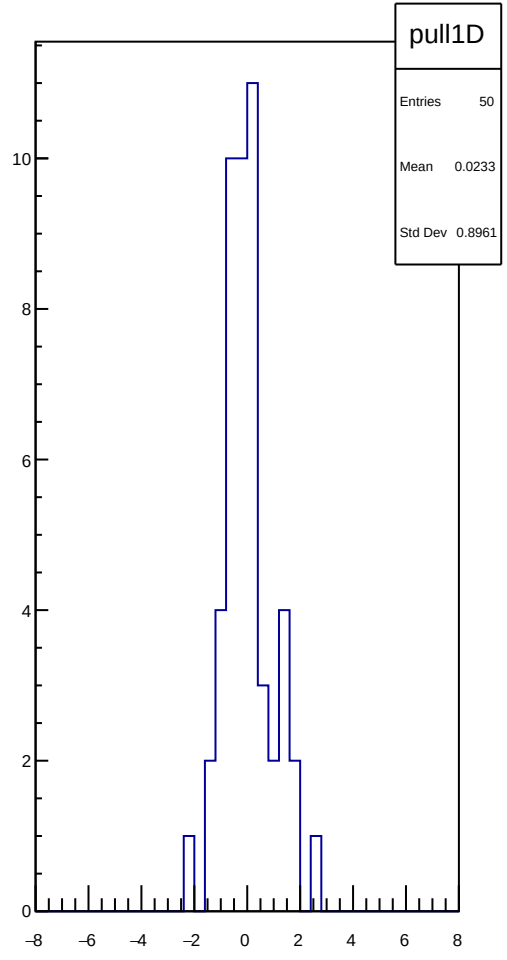

pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

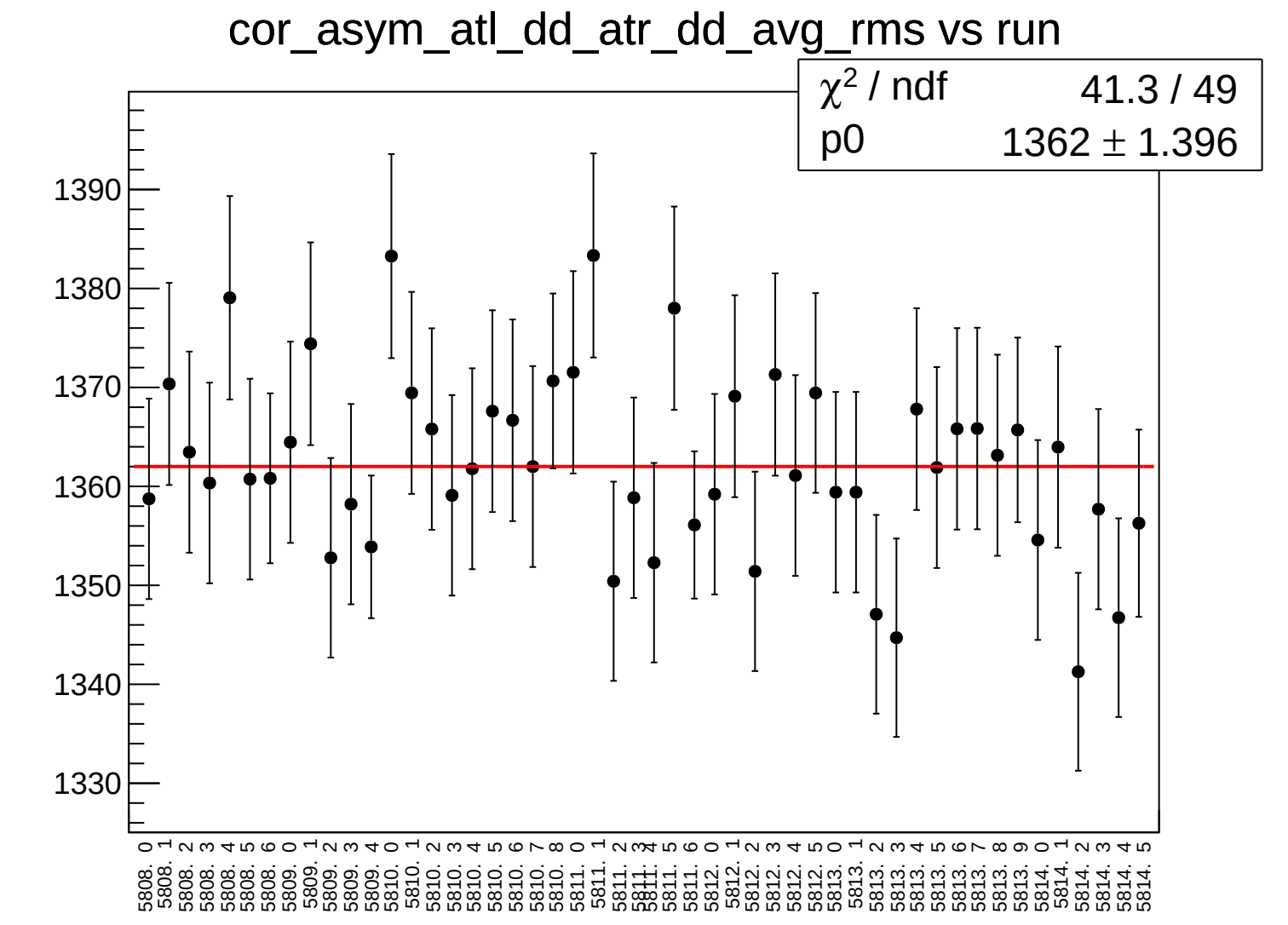

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

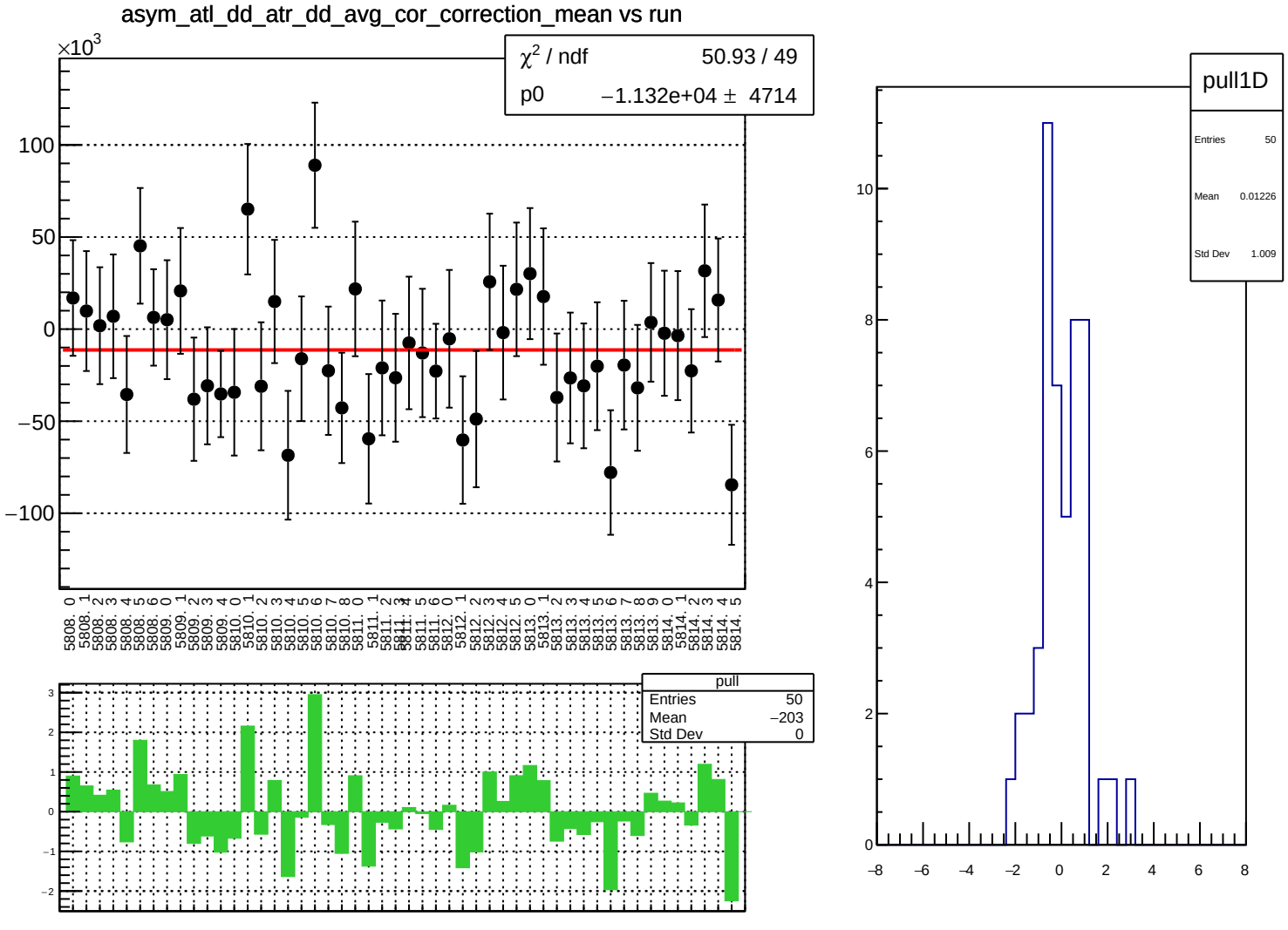

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

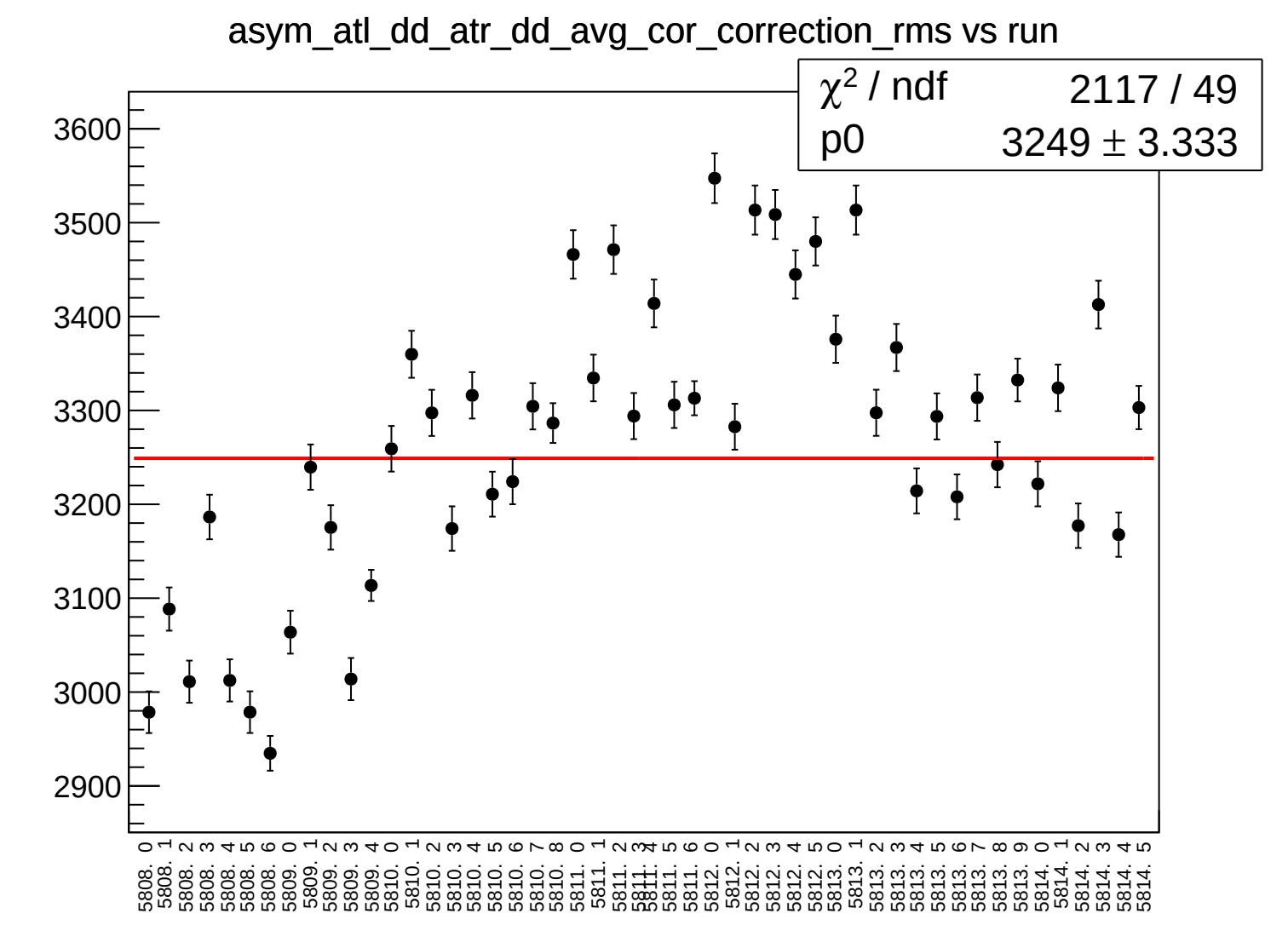

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

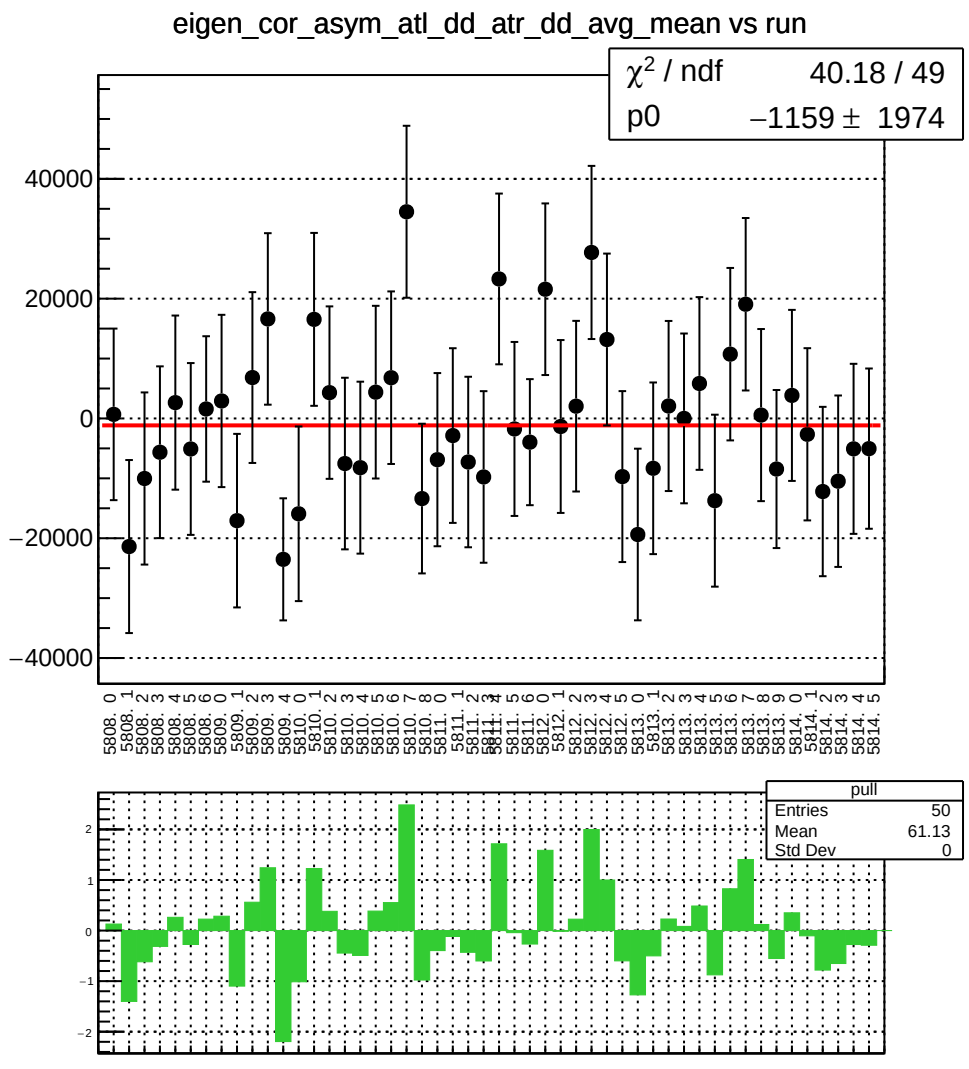

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0
2
1
0
−1
−2

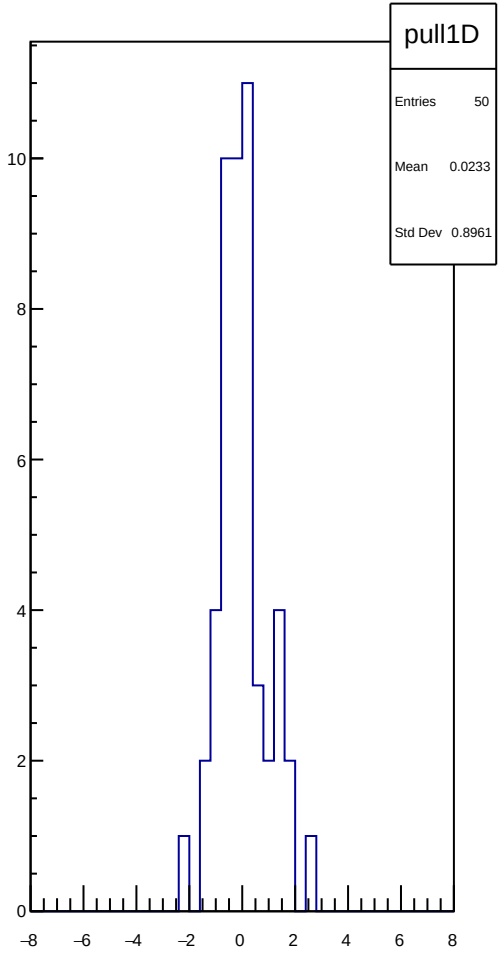

pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

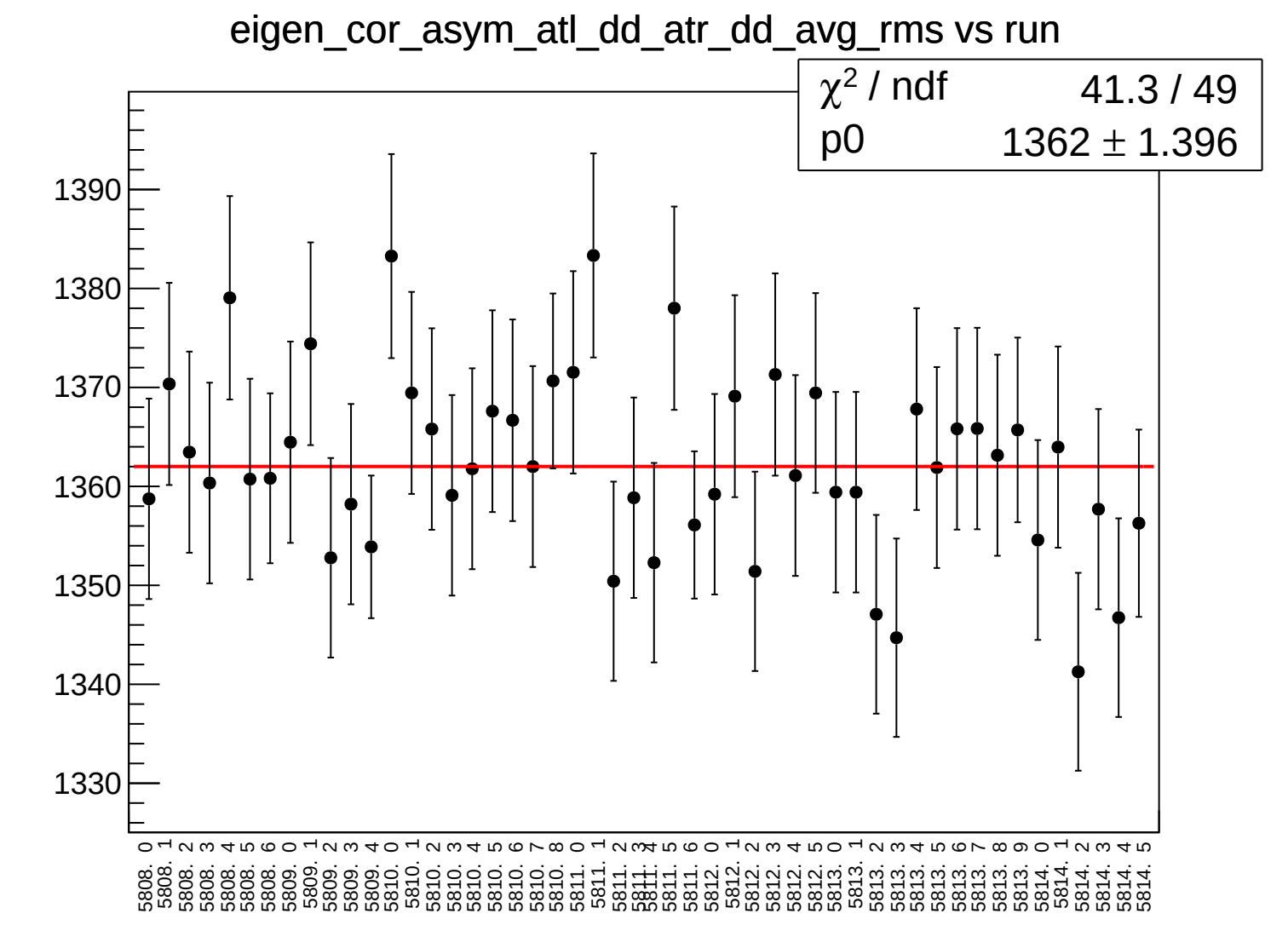

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

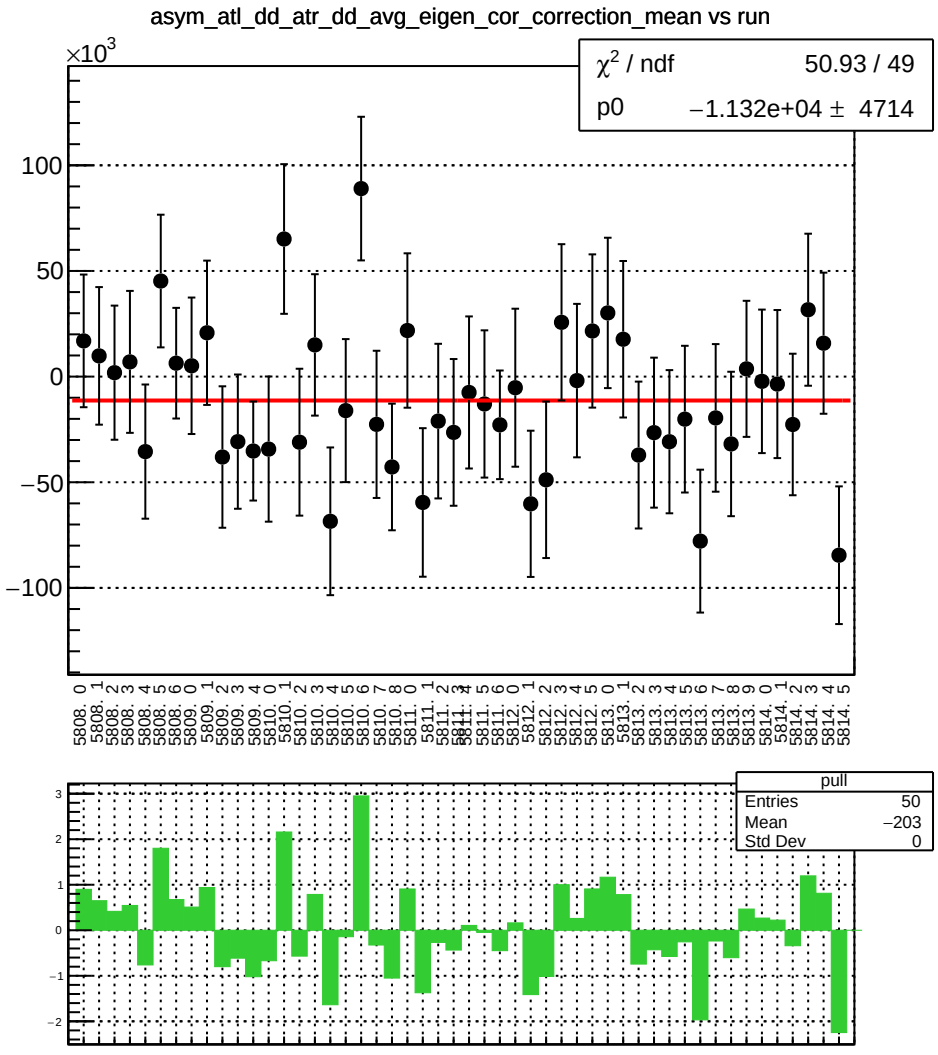

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
pull1D
Entries 50
Mean 0.01226
Std Dev 1.009

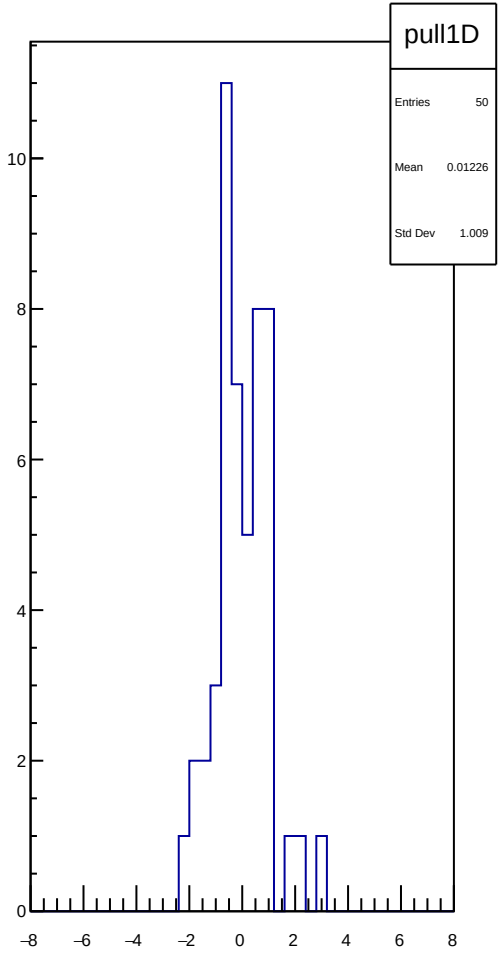

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

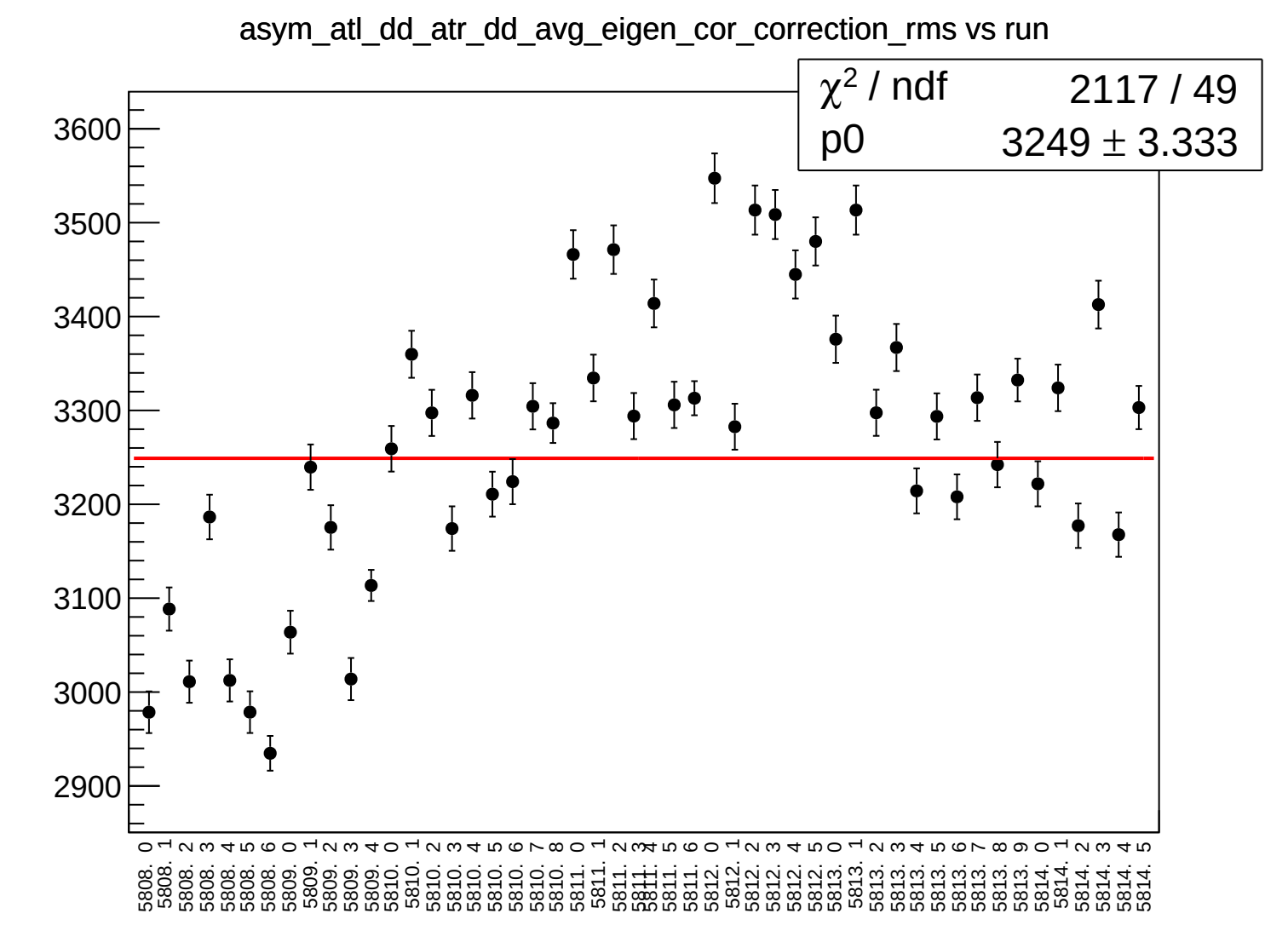

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0

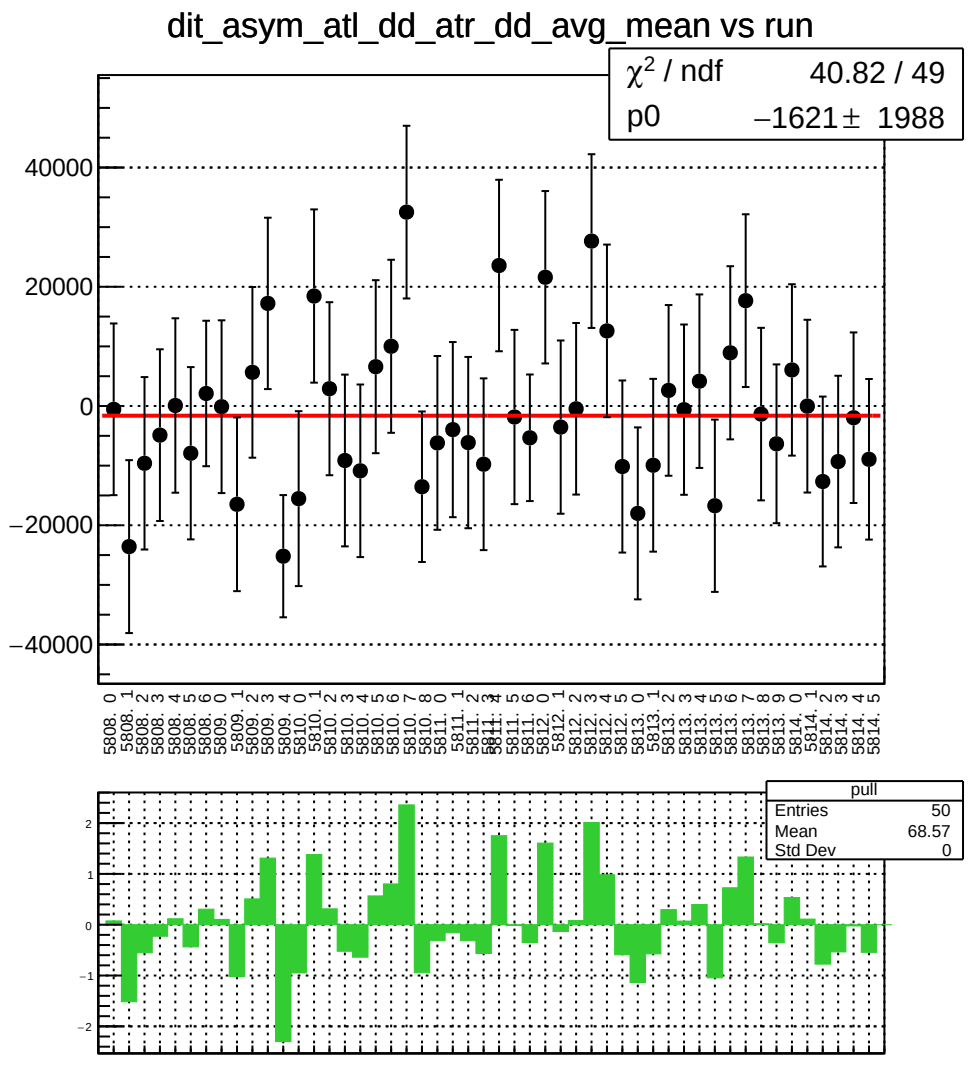

pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

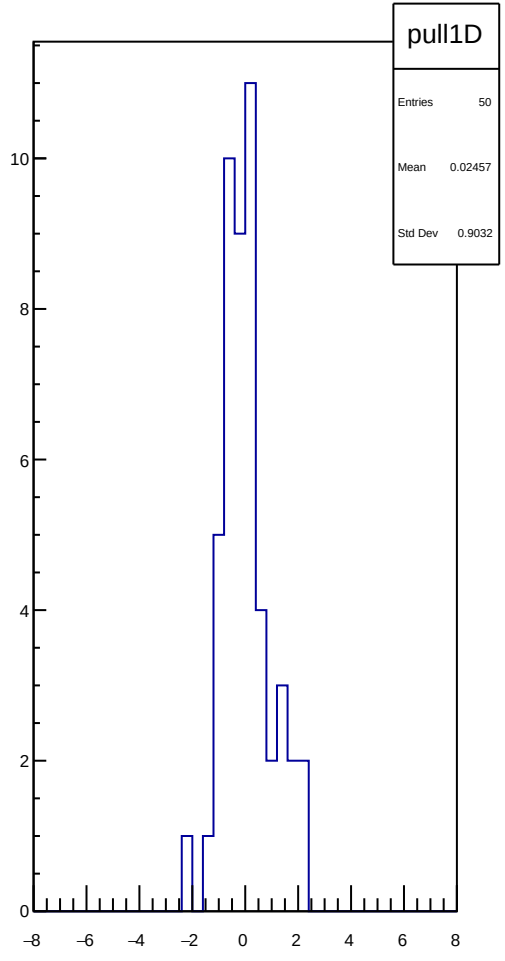

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ^2 / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

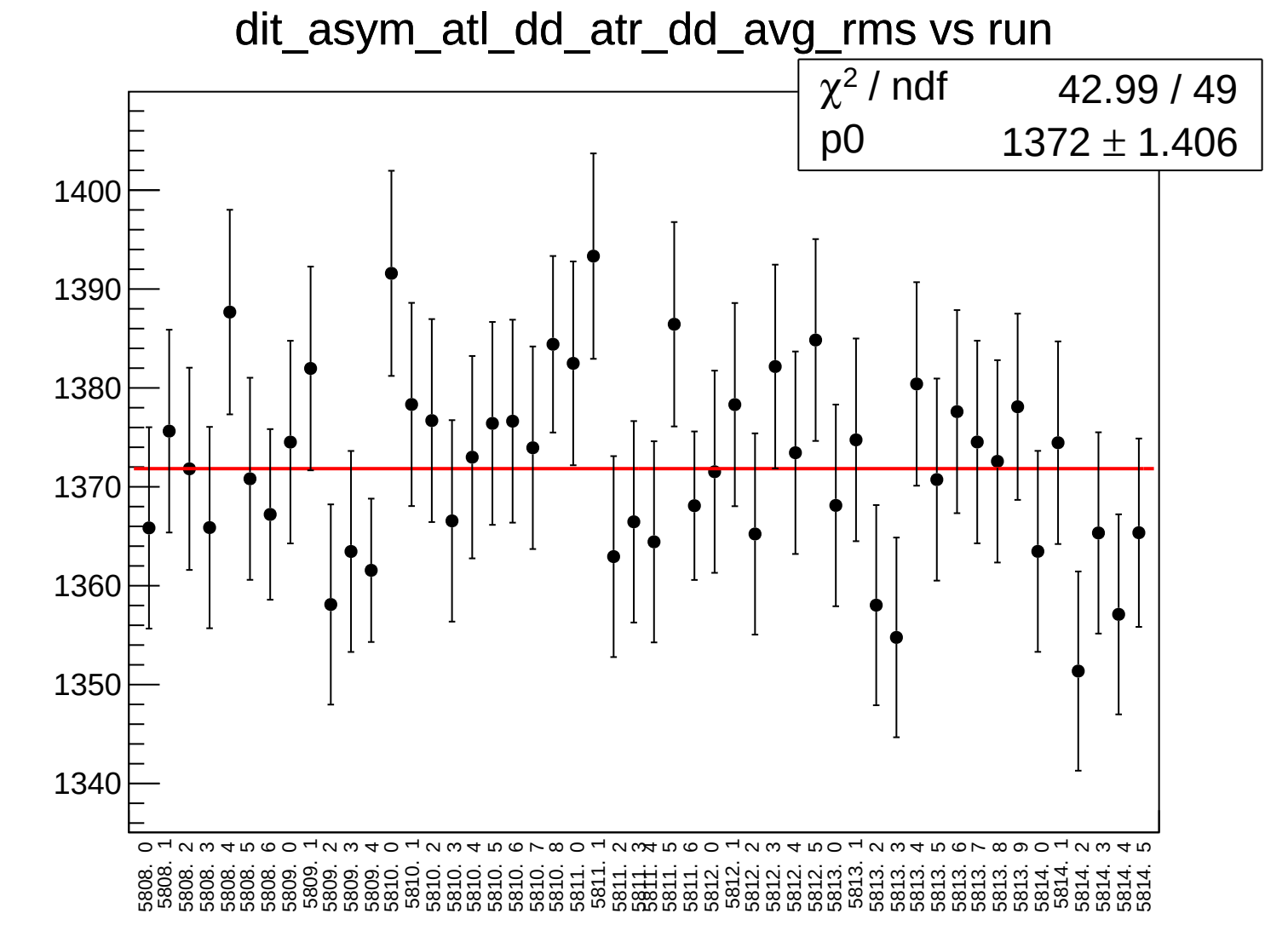

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2

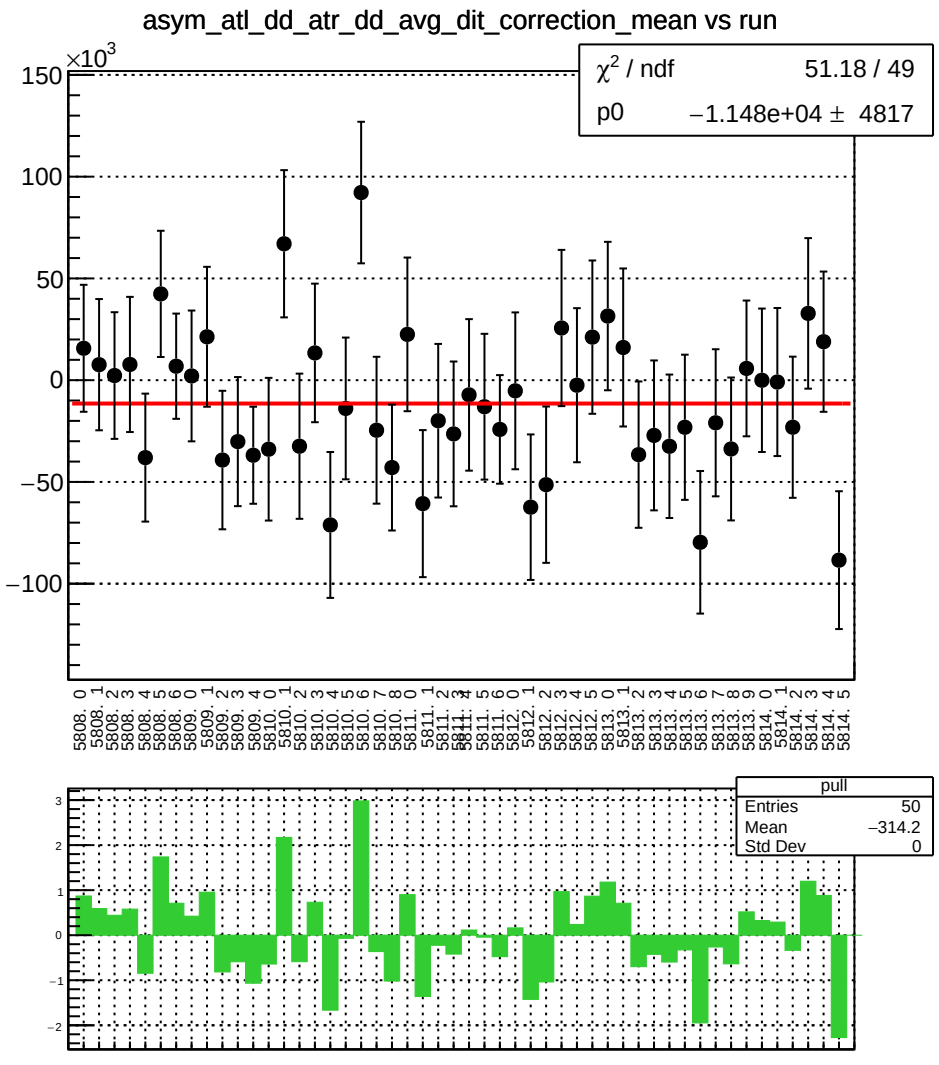

pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

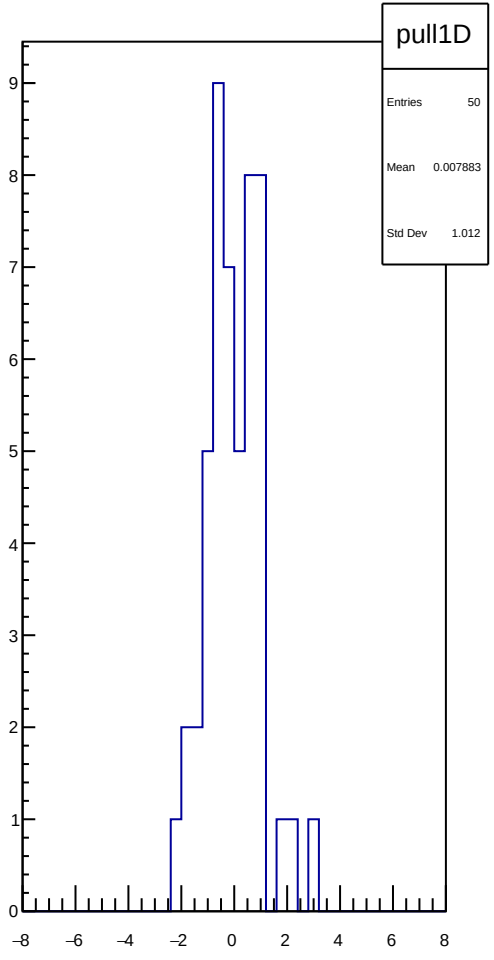

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

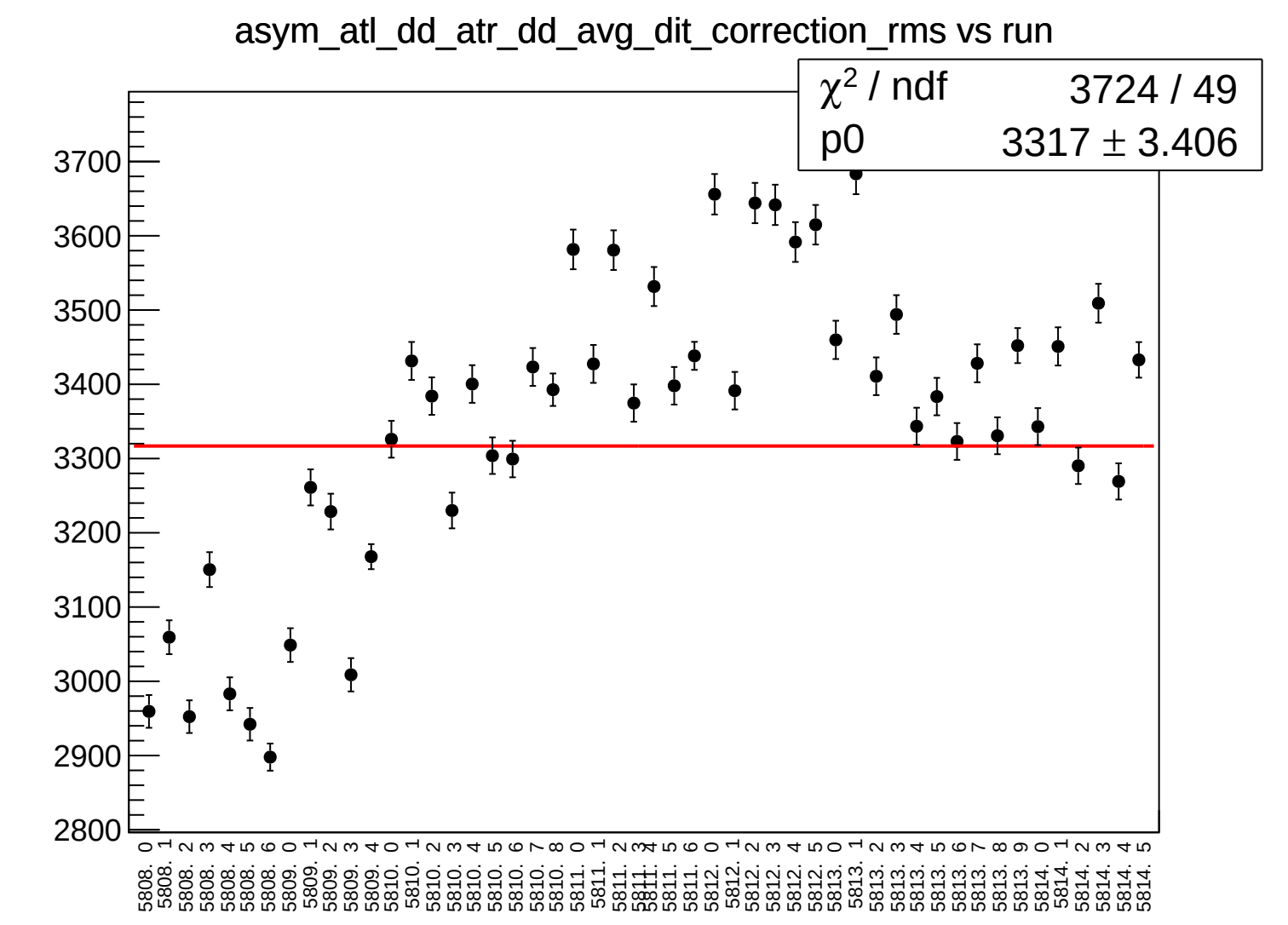

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2

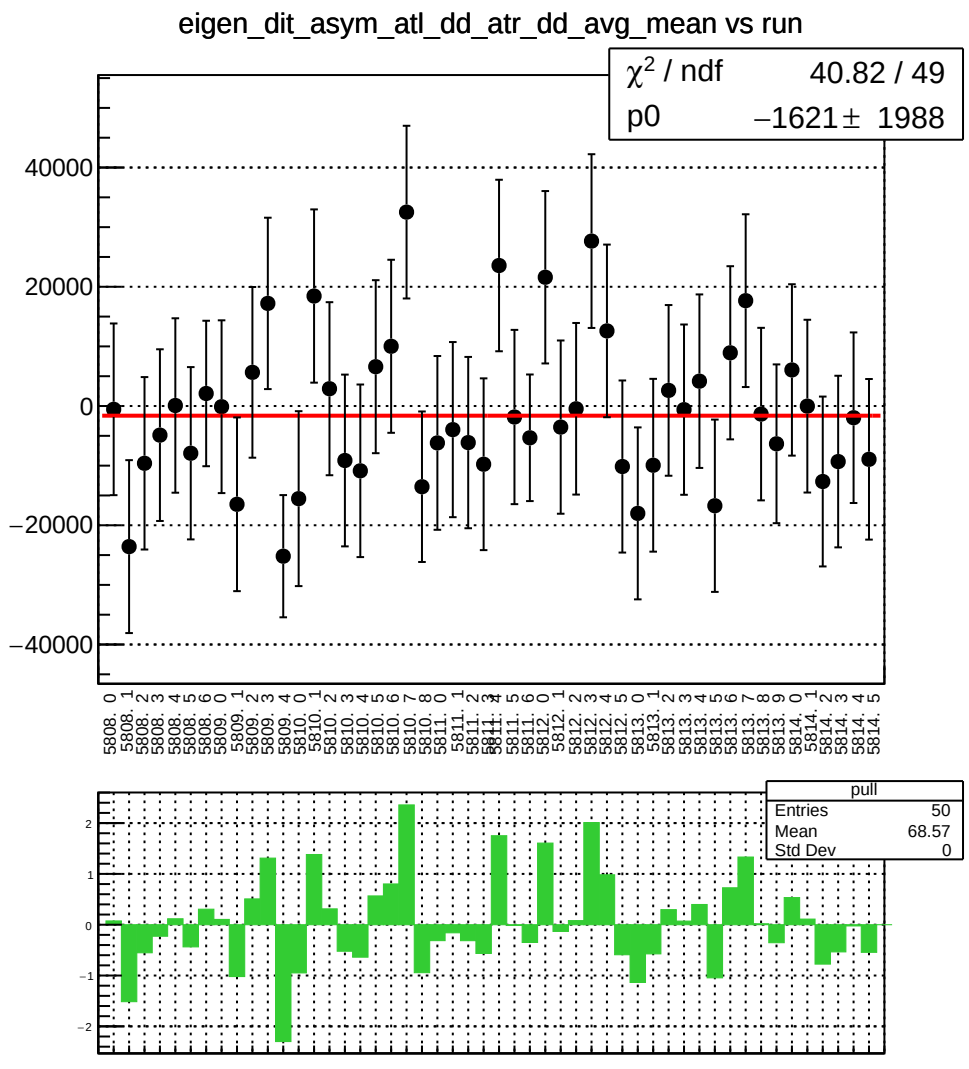

pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

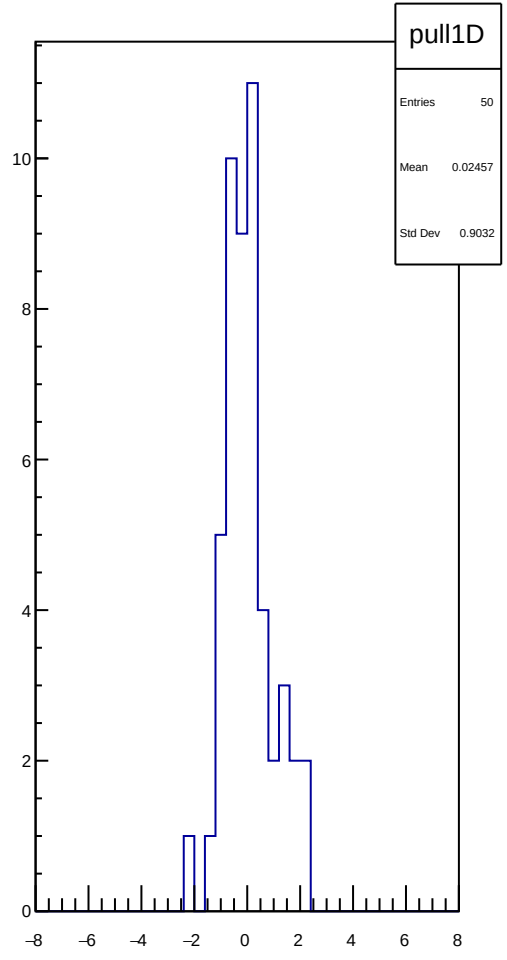

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

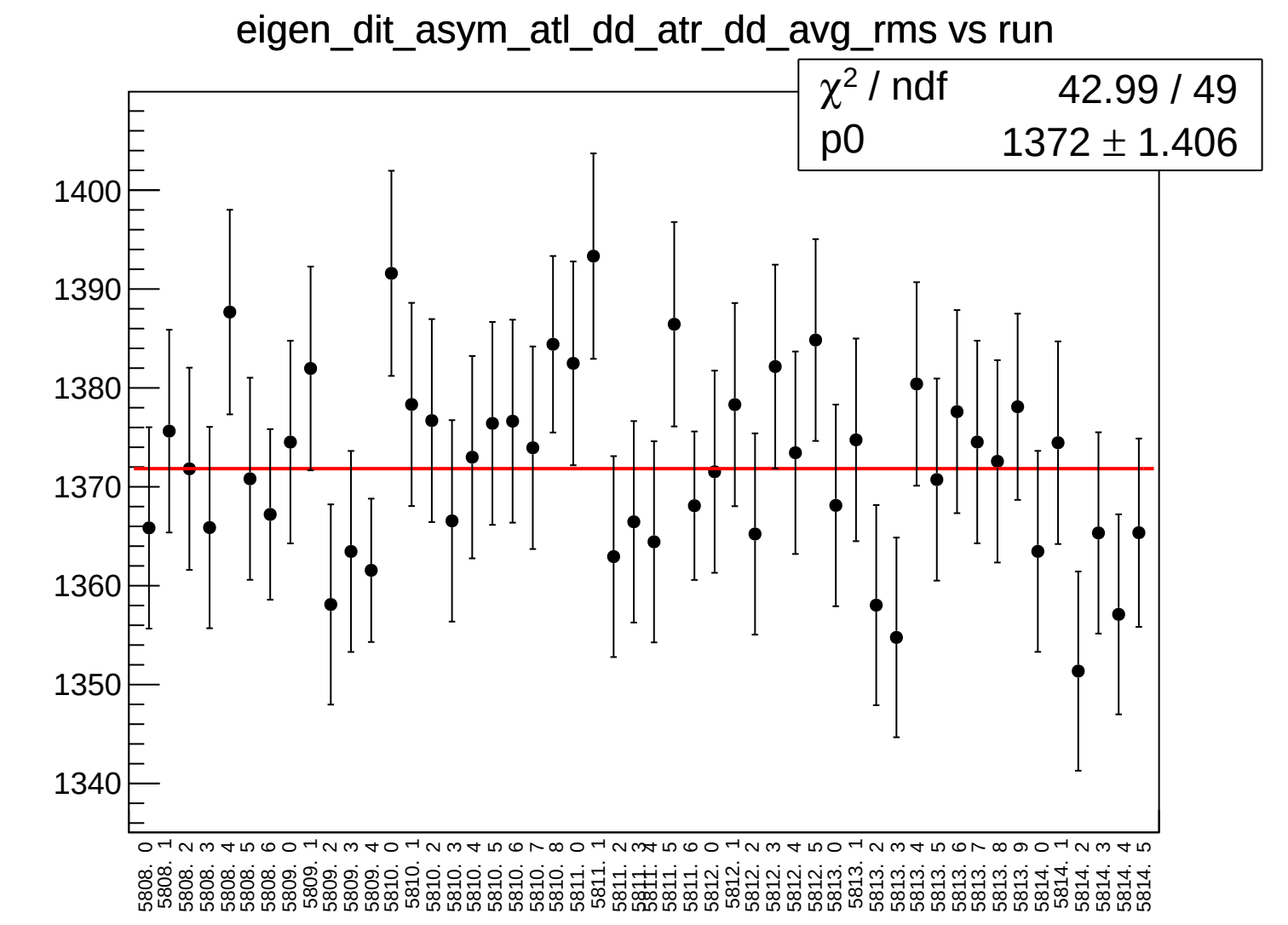

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
pull
Entries 50
Mean −314.2
Std Dev 0

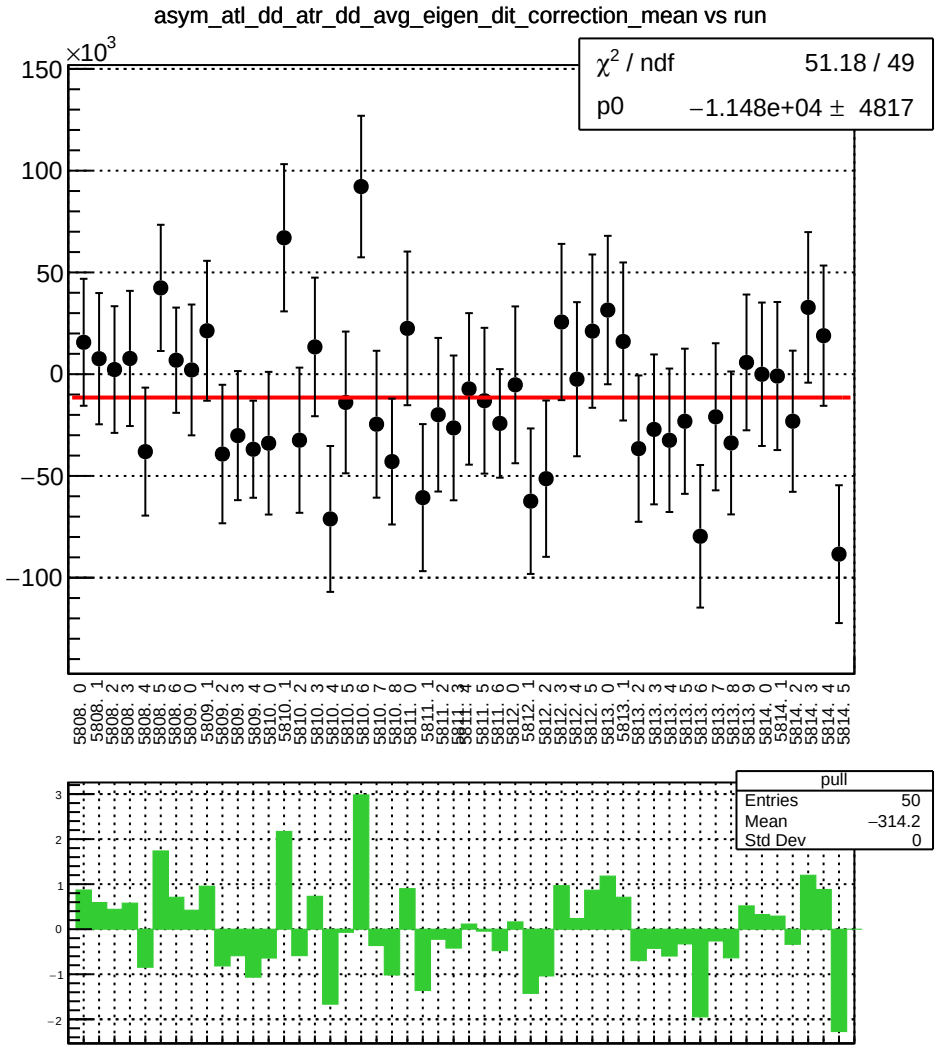

pull1D
Entries 50
Mean 0.007883
Std Dev 1.012

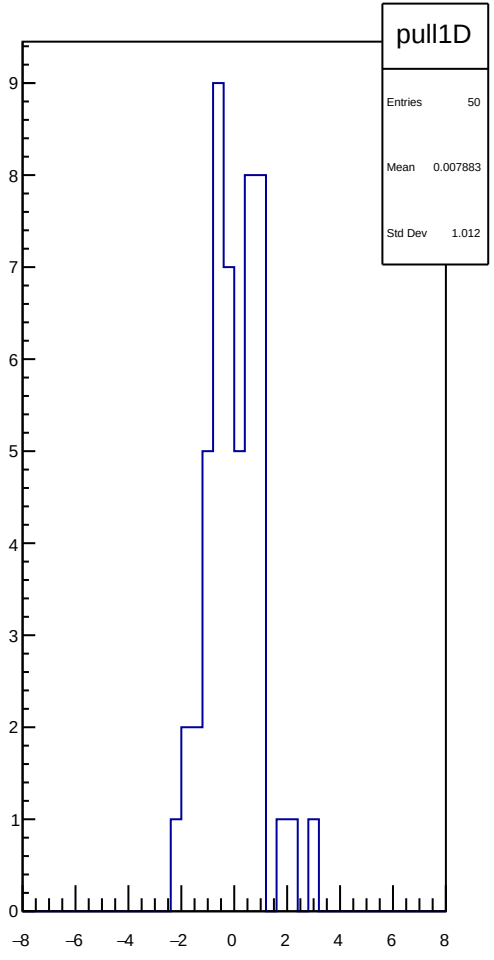

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

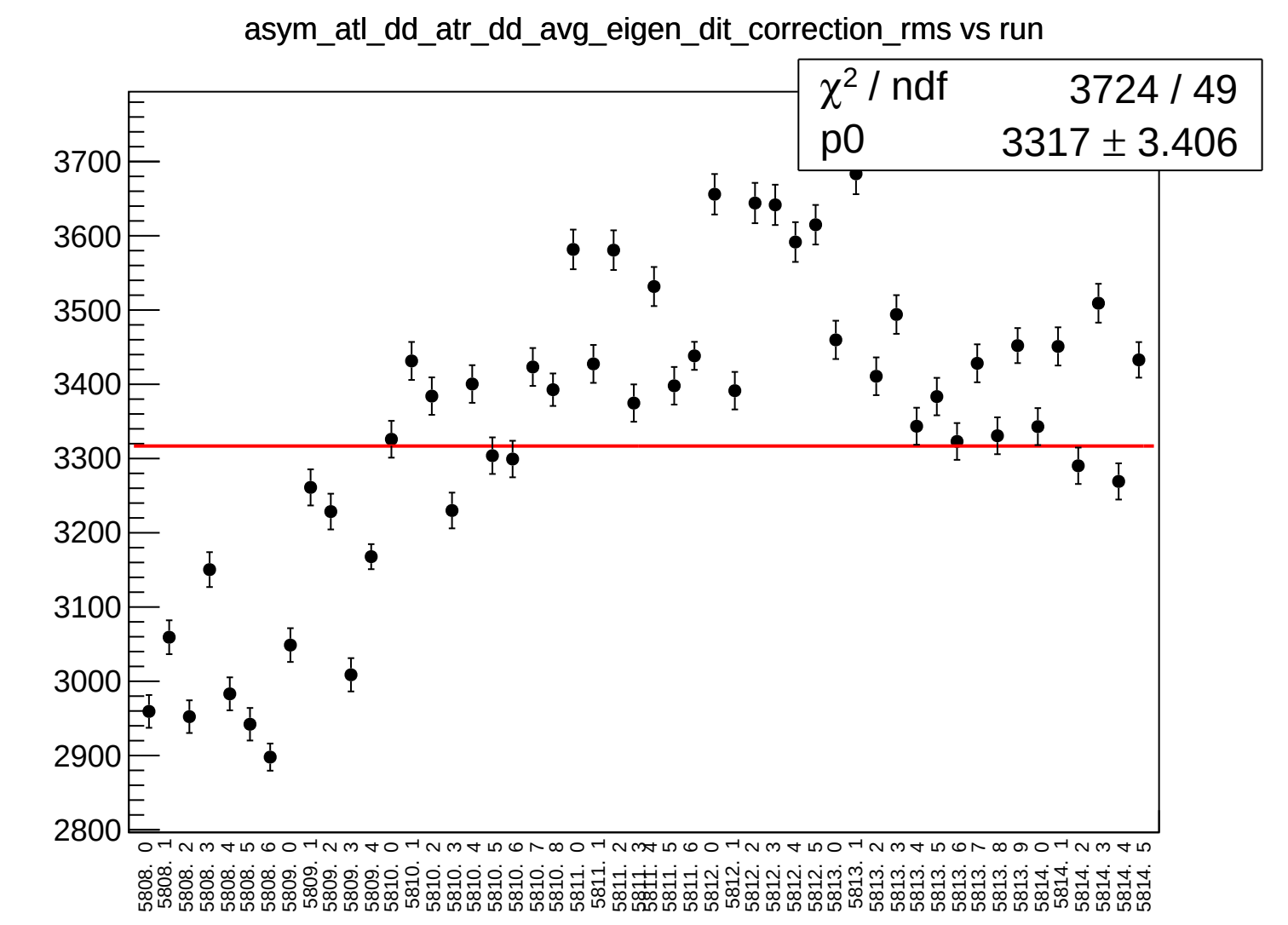

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2

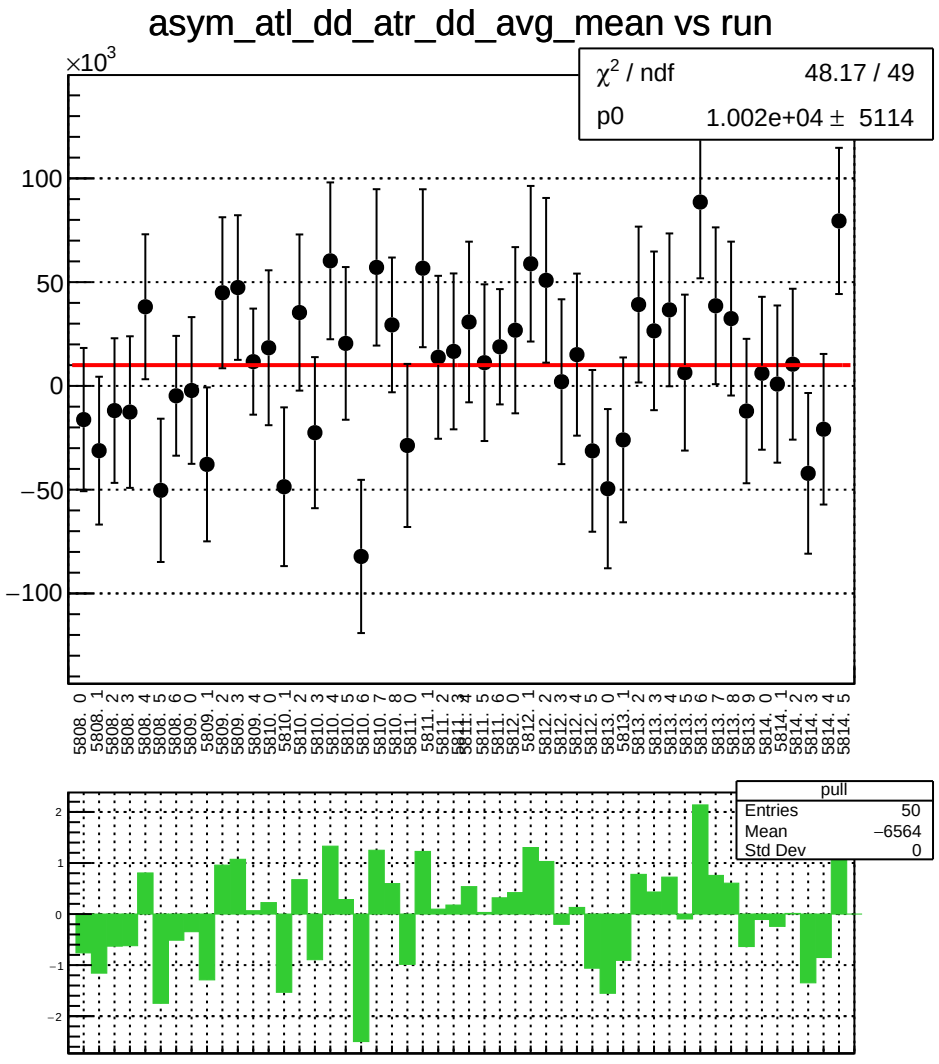

pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

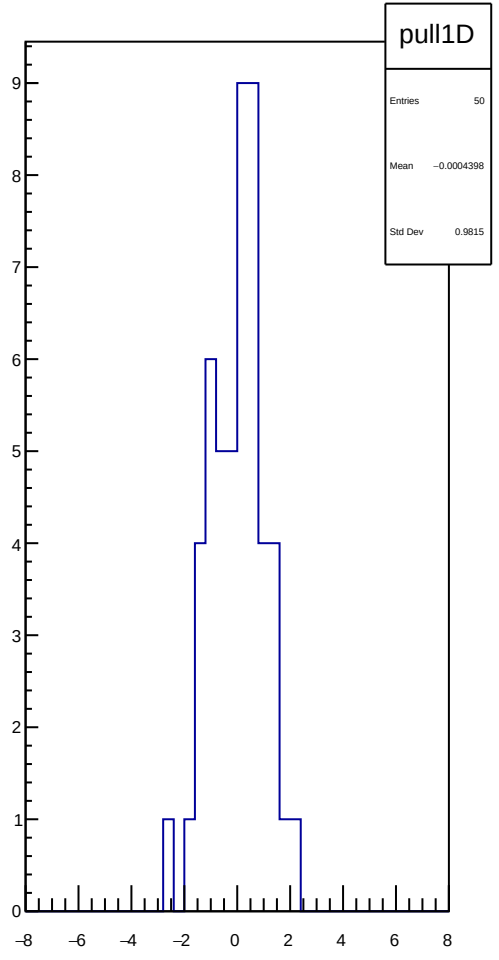

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

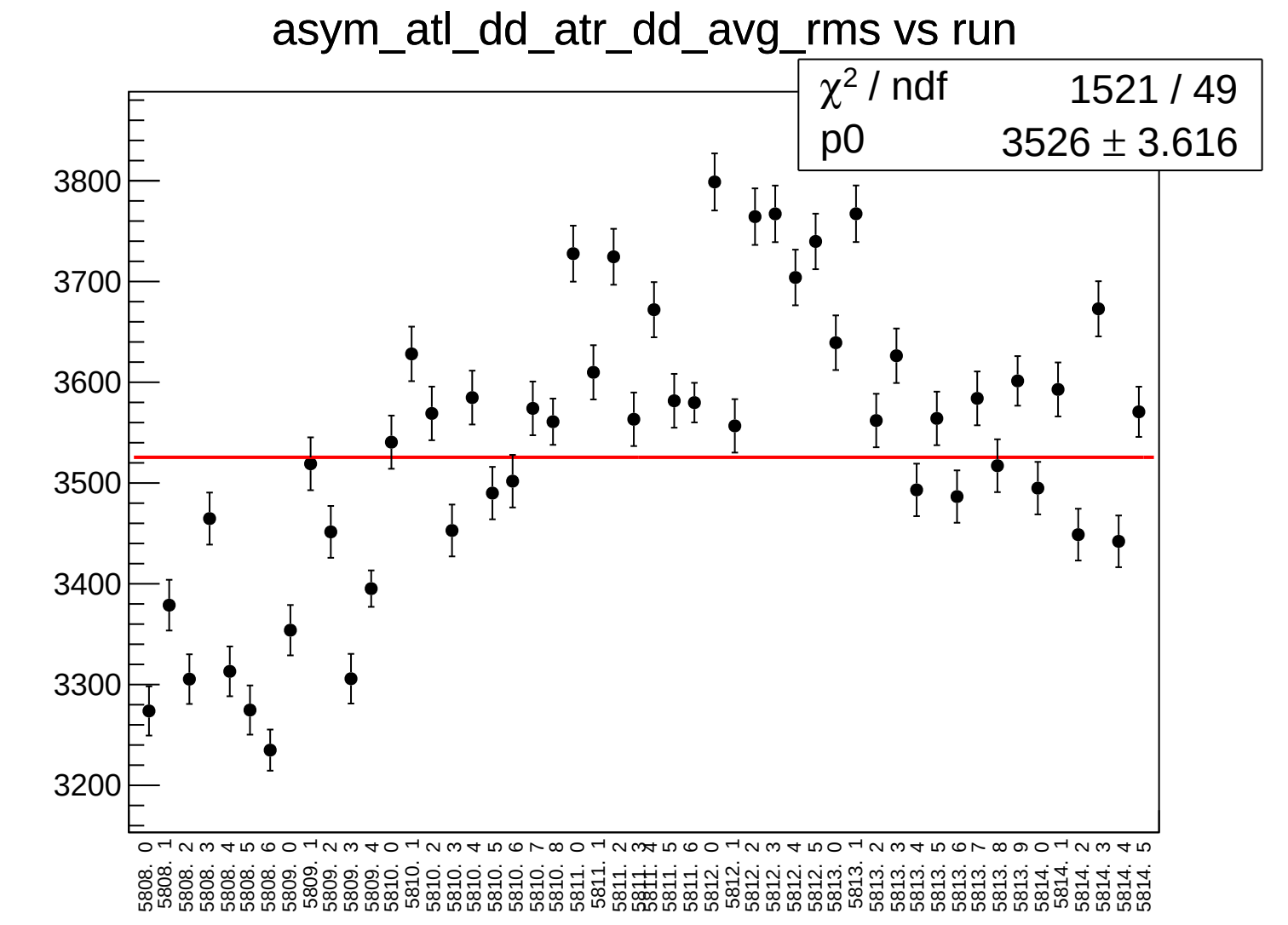

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
pull
Entries 50
Mean −314.2
Std Dev 0

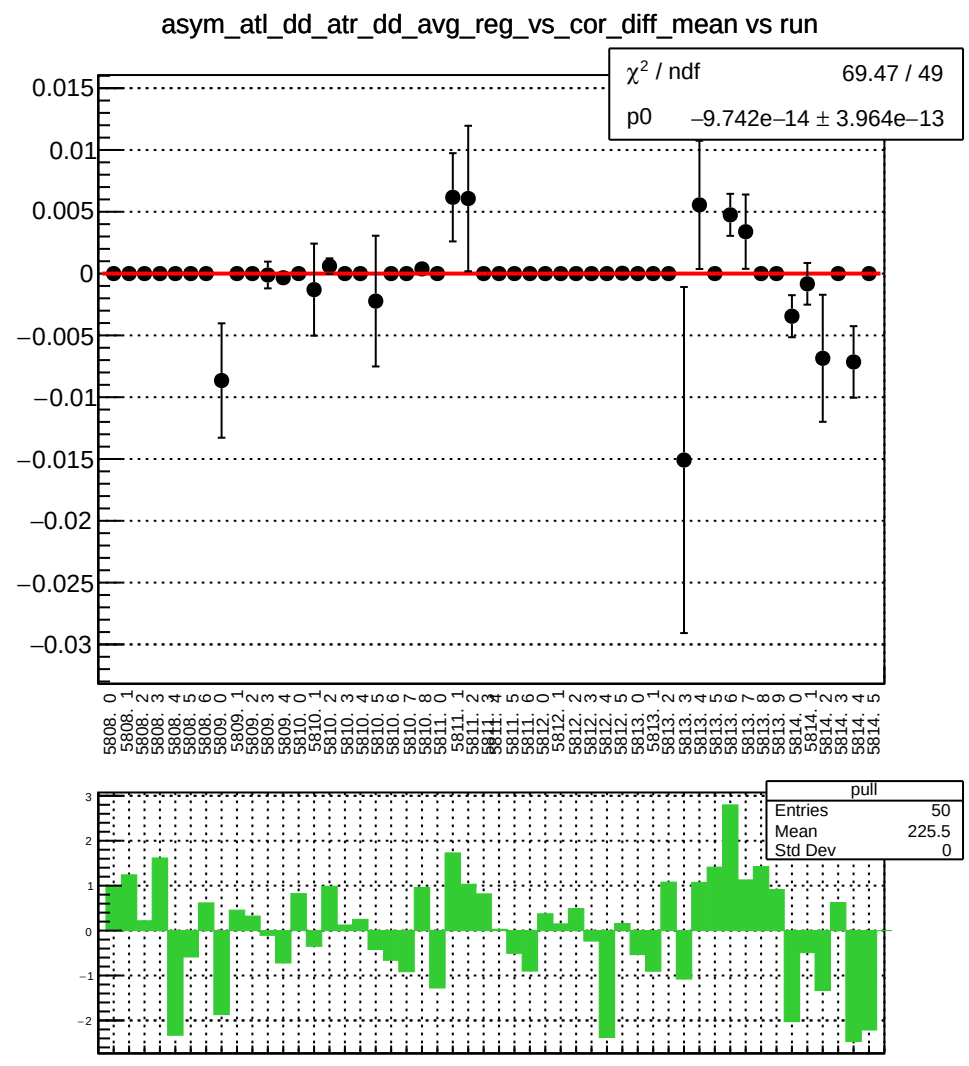

pull1D
Entries 50
Mean 0.007883
Std Dev 1.012

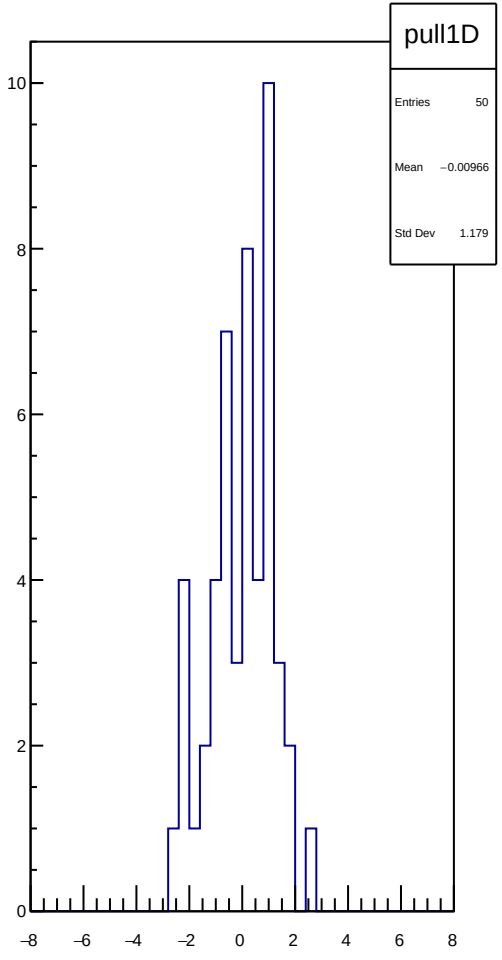

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

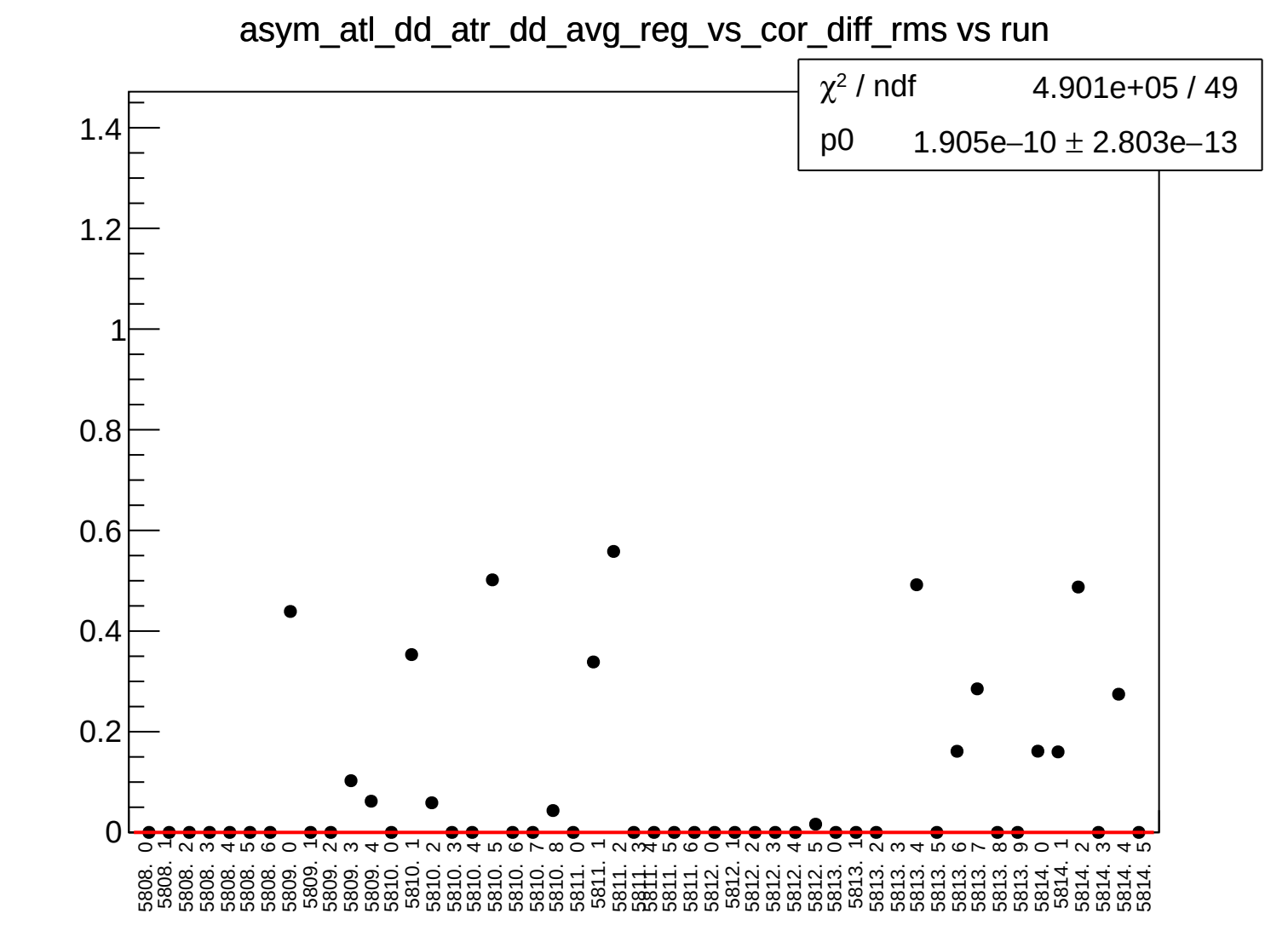

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 48.17 / 49
p0 1.002e+04 ± 5114
100
50
0
−50
−100
pull
Entries 50
Mean −6564
Std Dev 0
2
1
0
−1
−2

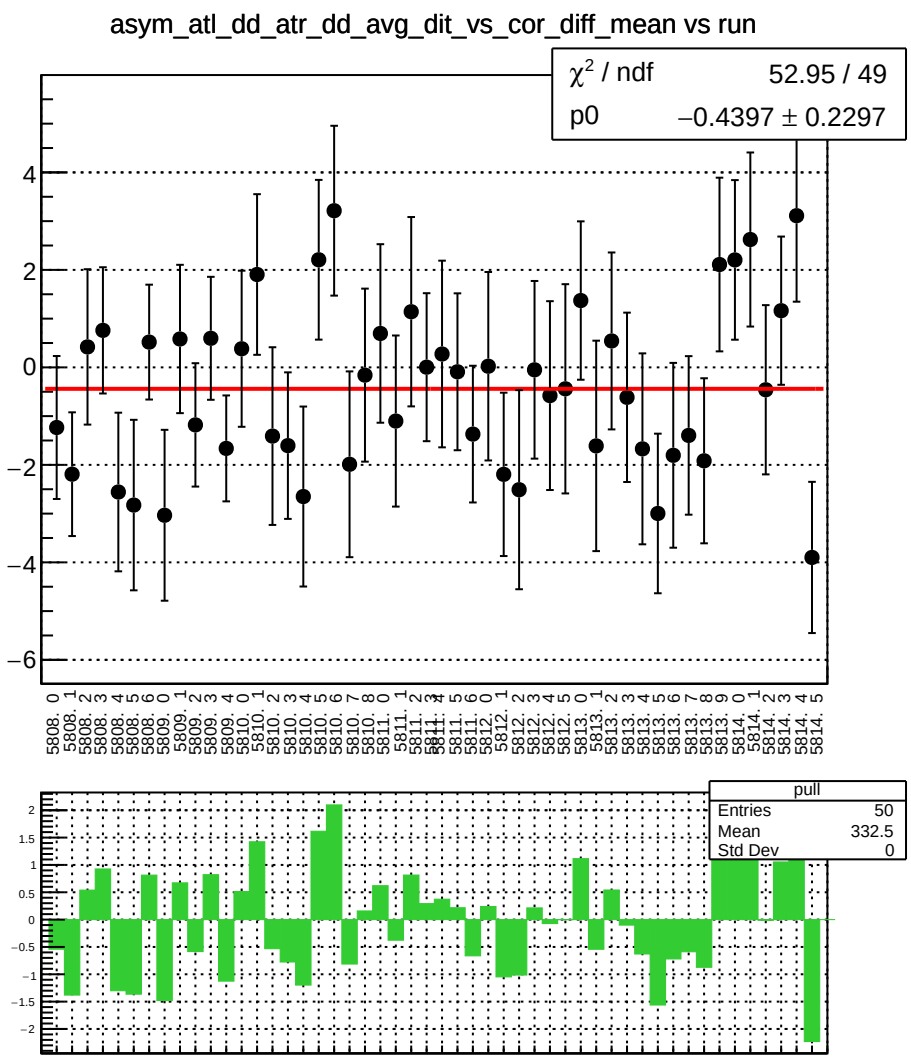

pull1D
Entries 50
Mean −0.0004398
Std Dev 0.9815
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

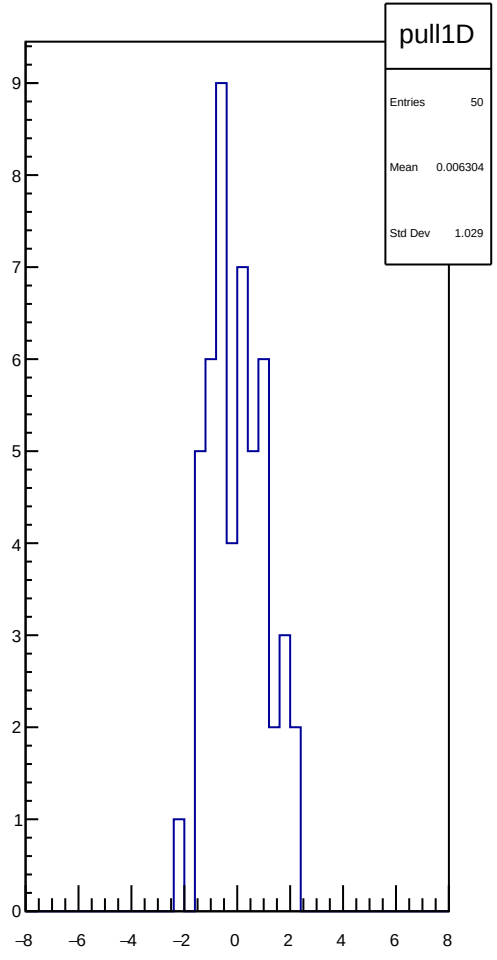

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 1521 / 49
p0 3526 ± 3.616
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

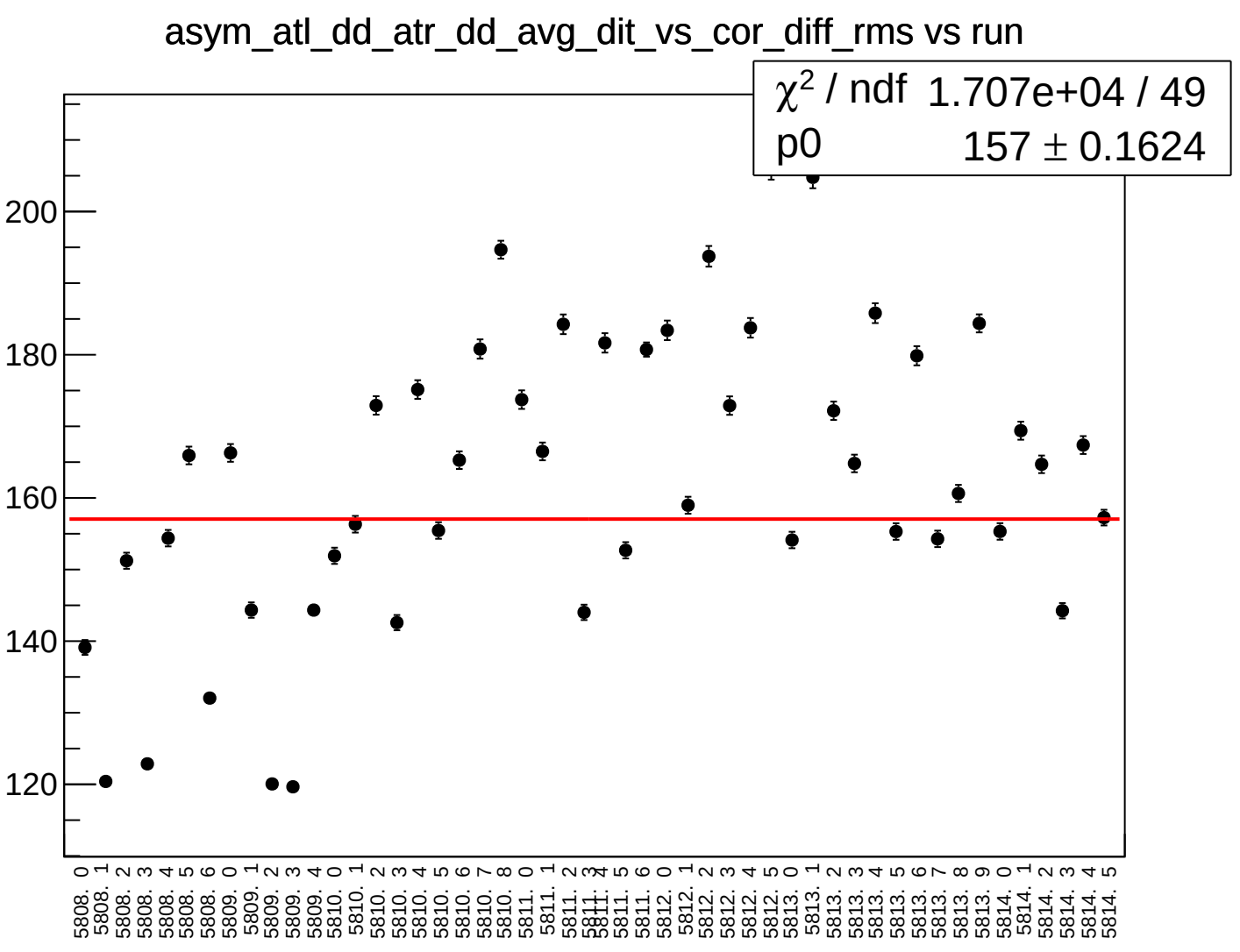

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 69.47 / 49
p0 −9.742e−14 ± 3.964e−13
pull
Entries 50
Mean 225.5
Std Dev 0

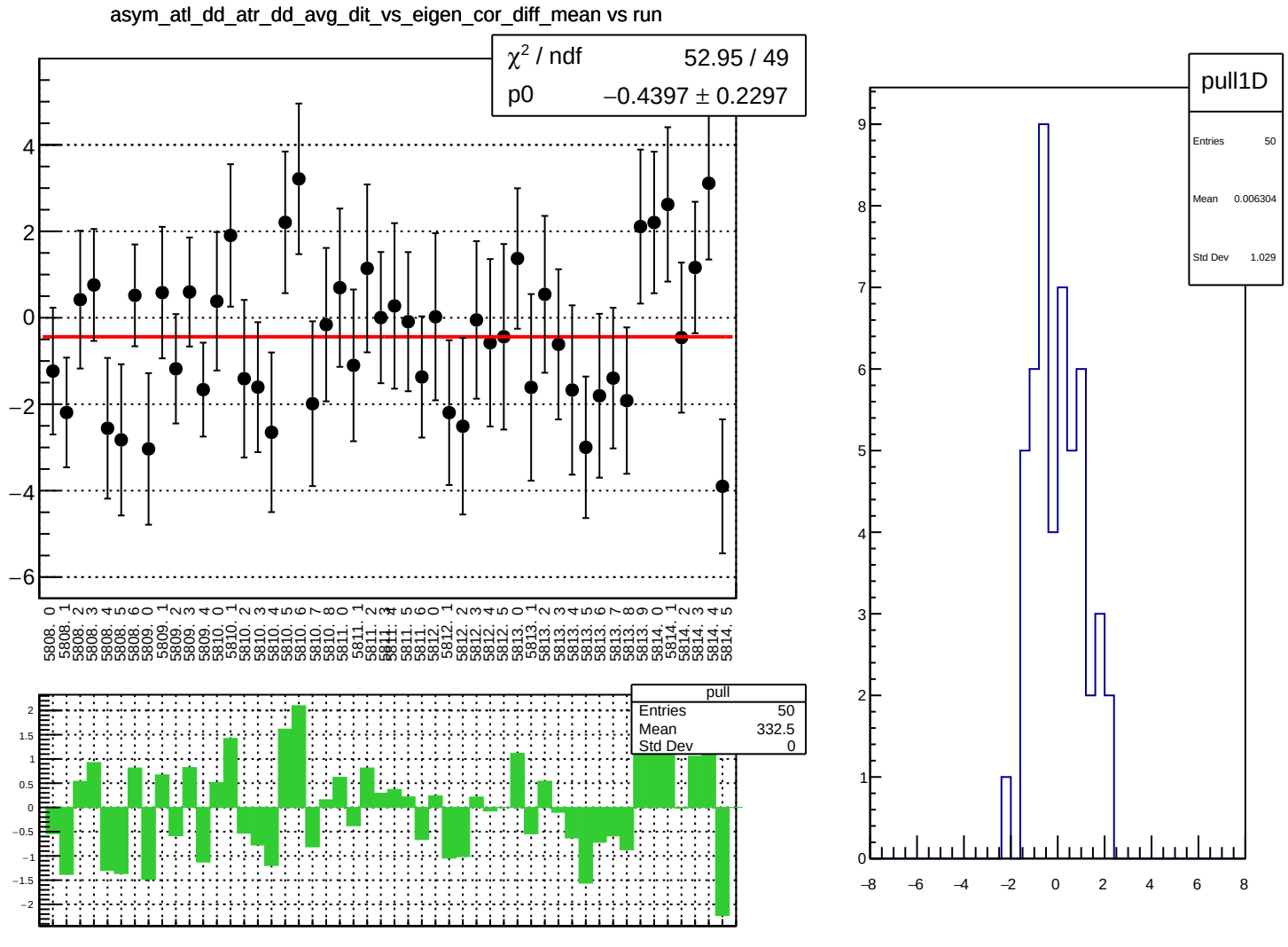

pull1D
Entries 50
Mean −0.00966
Std Dev 1.179

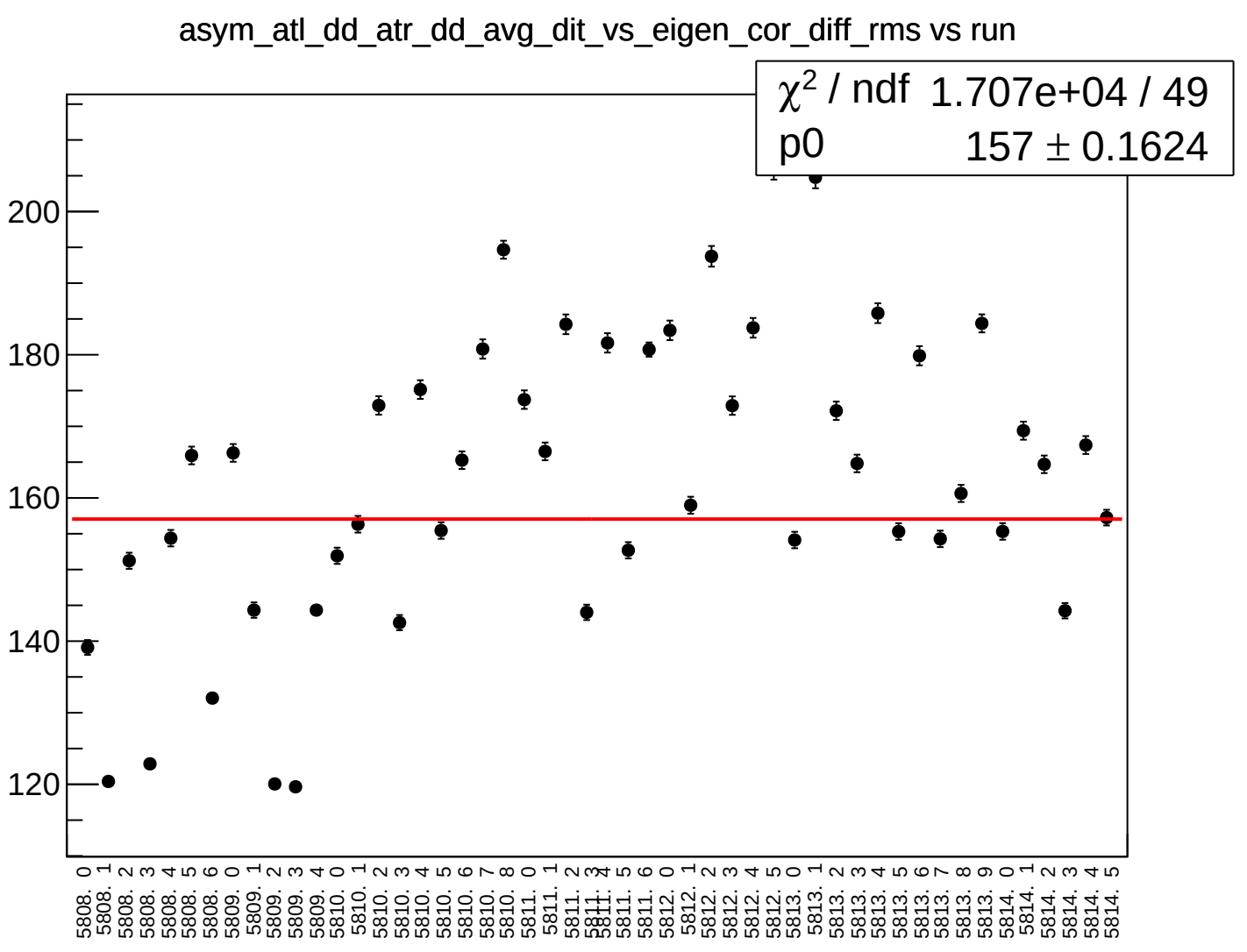

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.901e+05 / 49
p0 1.905e−10 ± 2.803e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

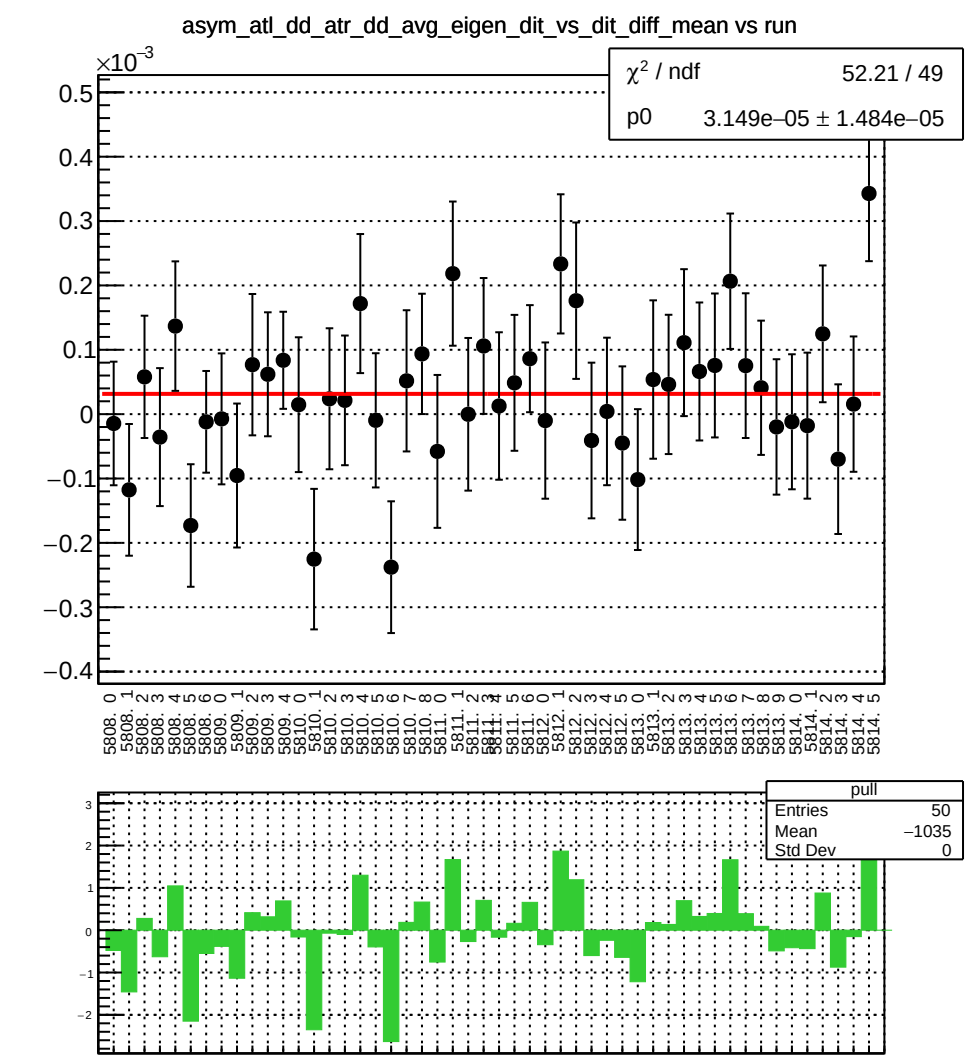

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.5
Std Dev 0

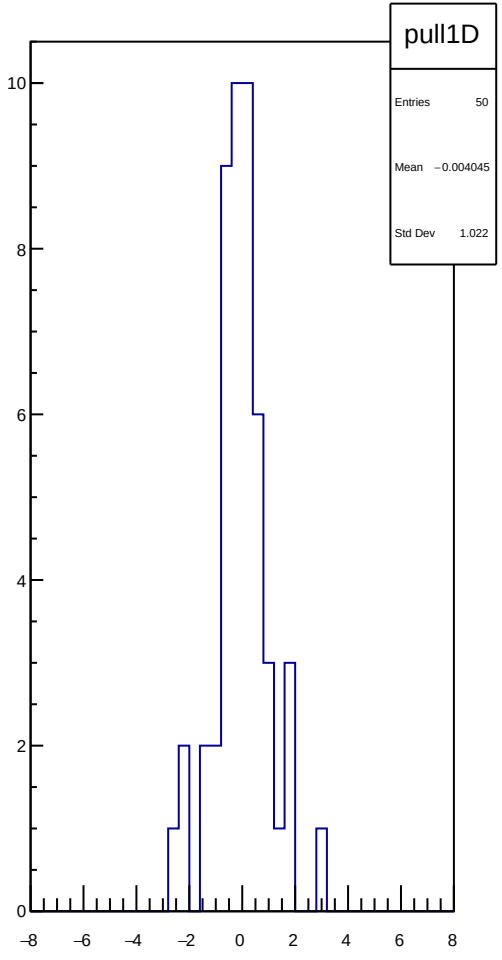

pull1D
Entries 50
Mean 0.006304
Std Dev 1.029

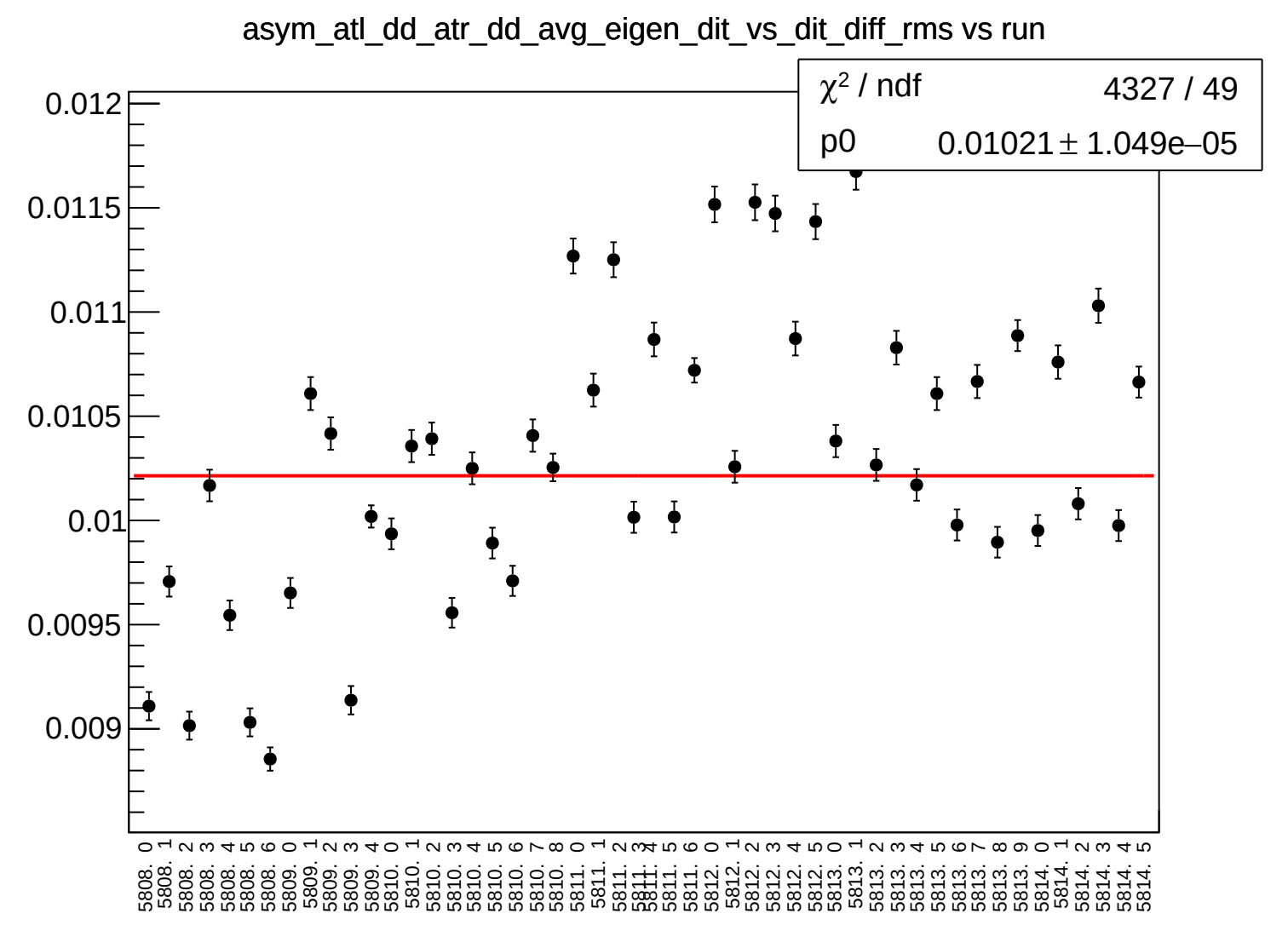

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.5
Std Dev 0
pull1D
Entries 50
Mean 0.006304
Std Dev 1.029

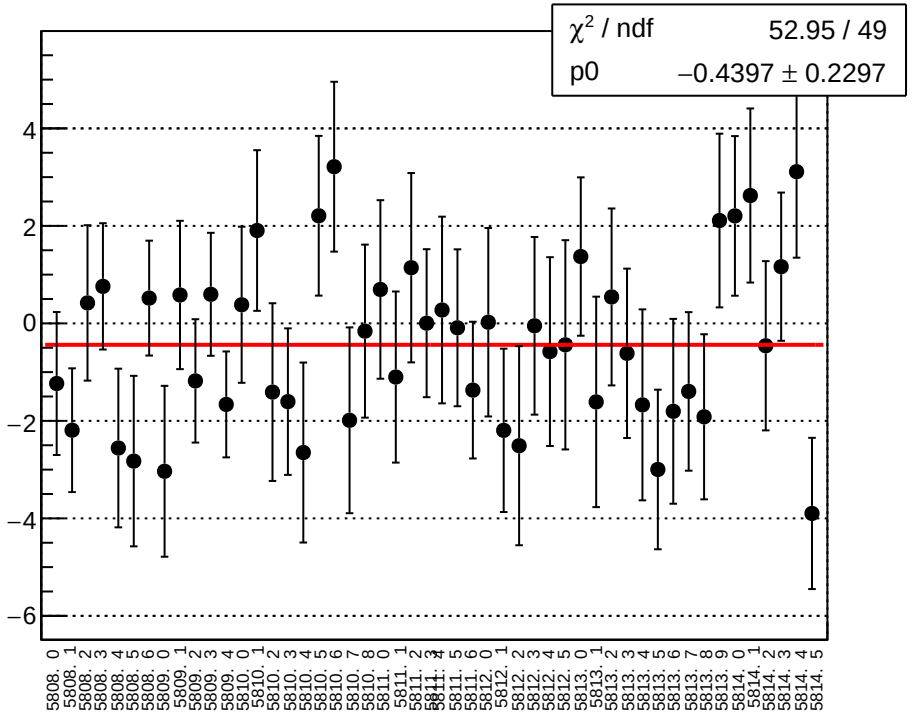

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

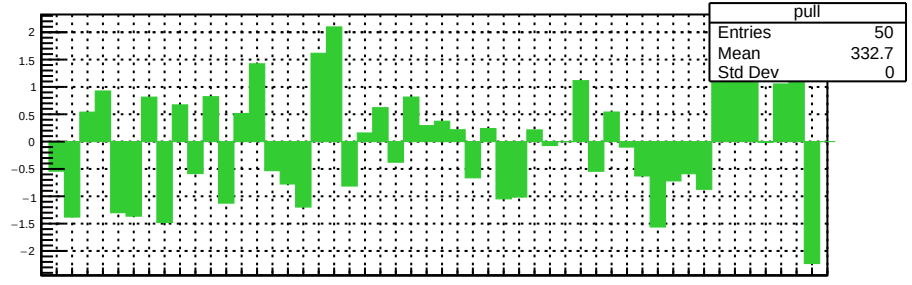

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.21 / 49
p0 3.149e−05 ± 1.484e−05
pull
Entries 50
Mean −1035
Std Dev 0

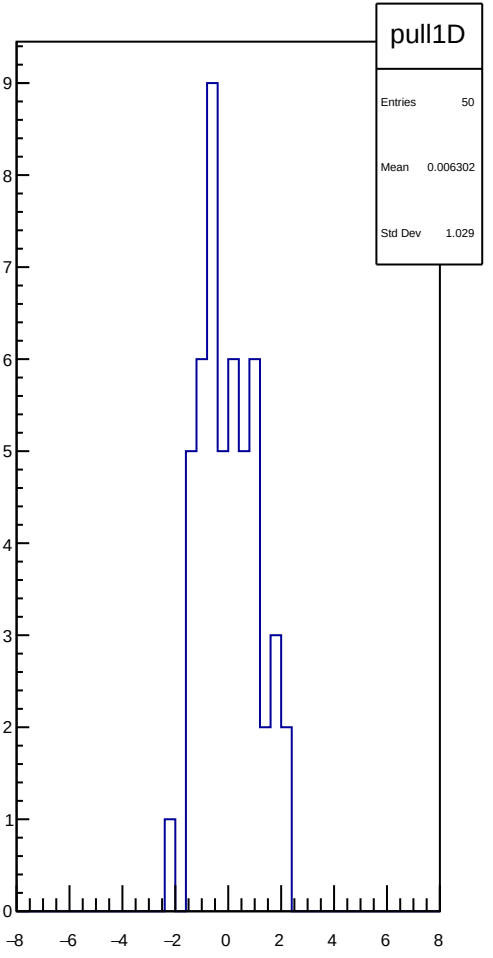

pull1D
Entries 50
Mean −0.004045
Std Dev 1.022

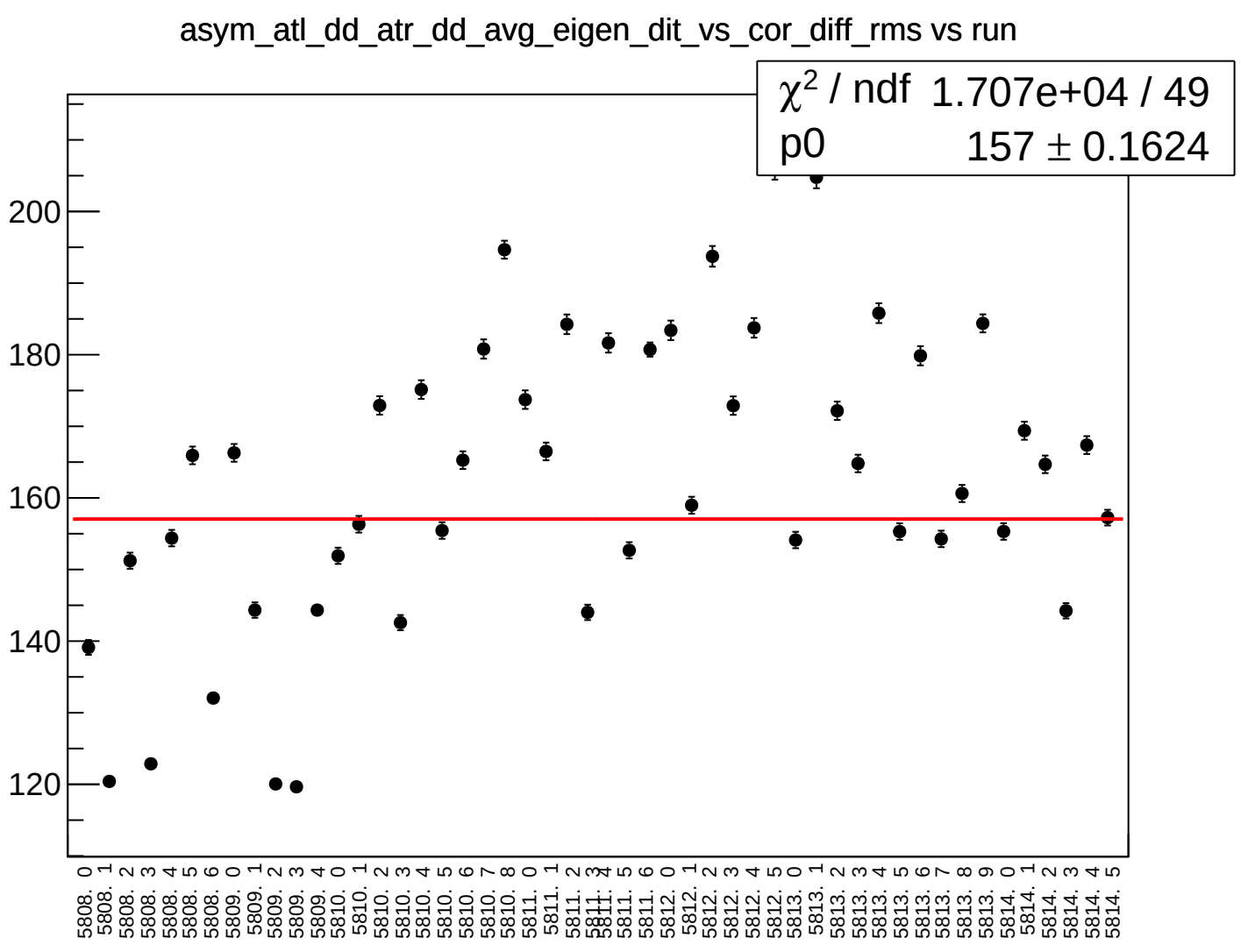

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4327 / 49
p0 0.01021 ± 1.049e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

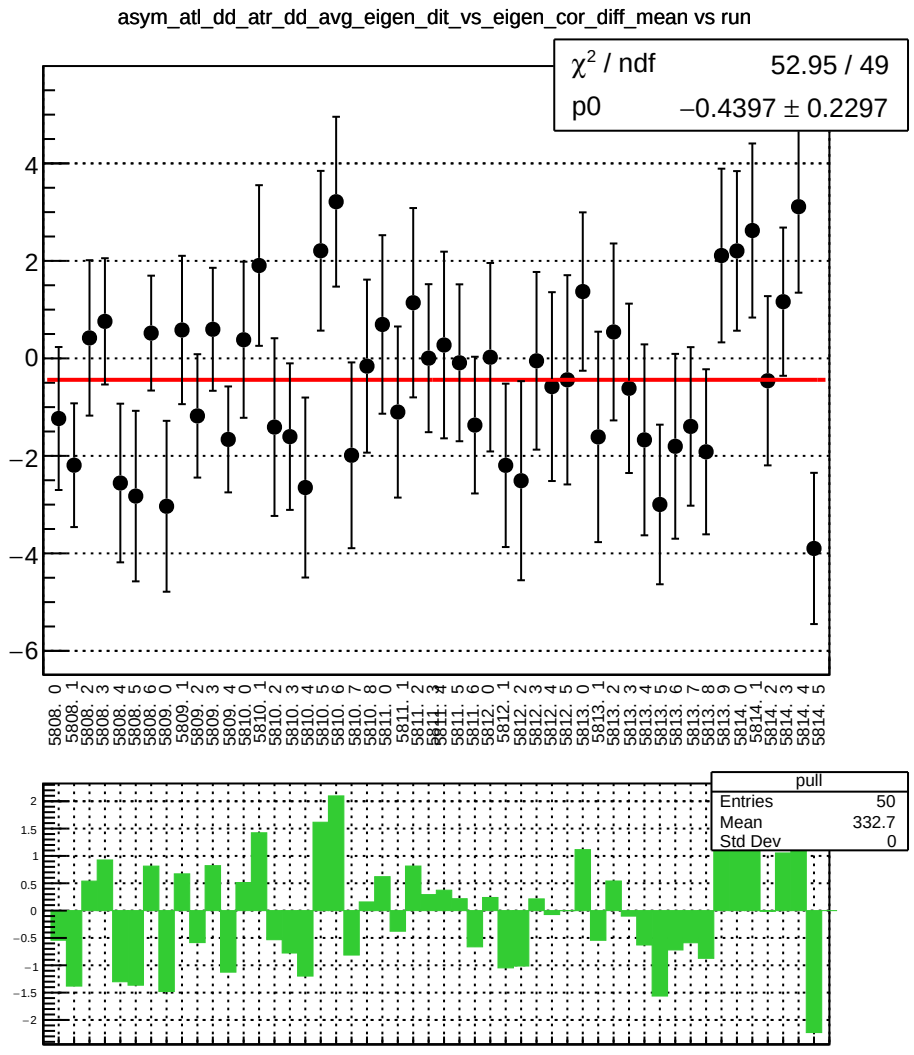
asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run

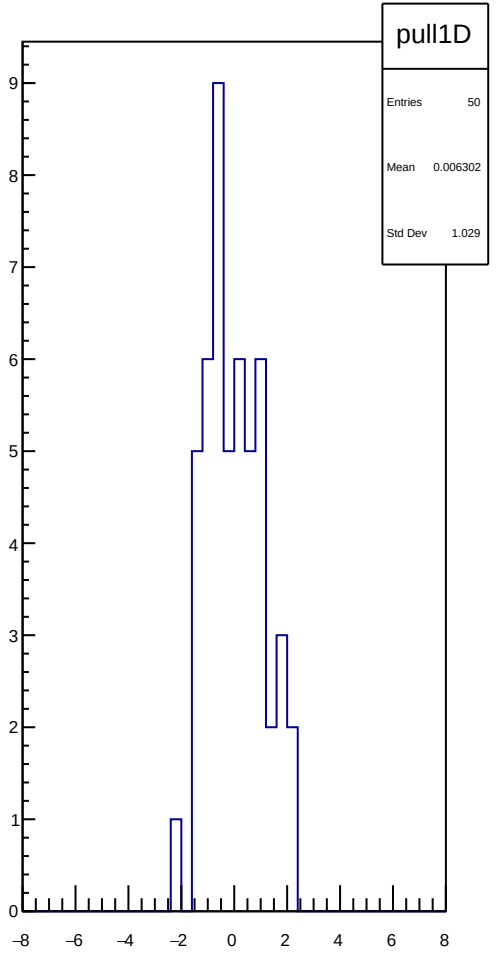


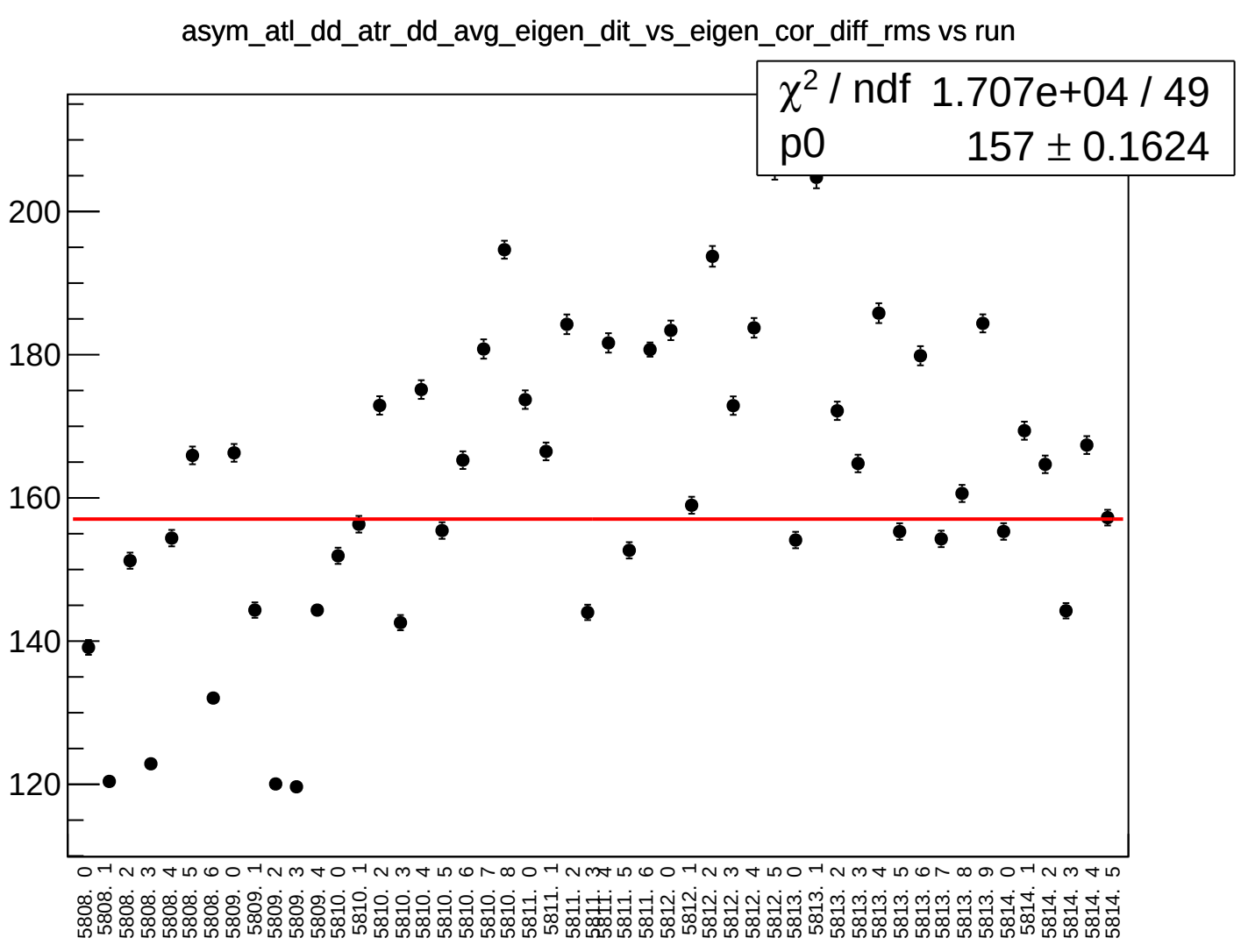


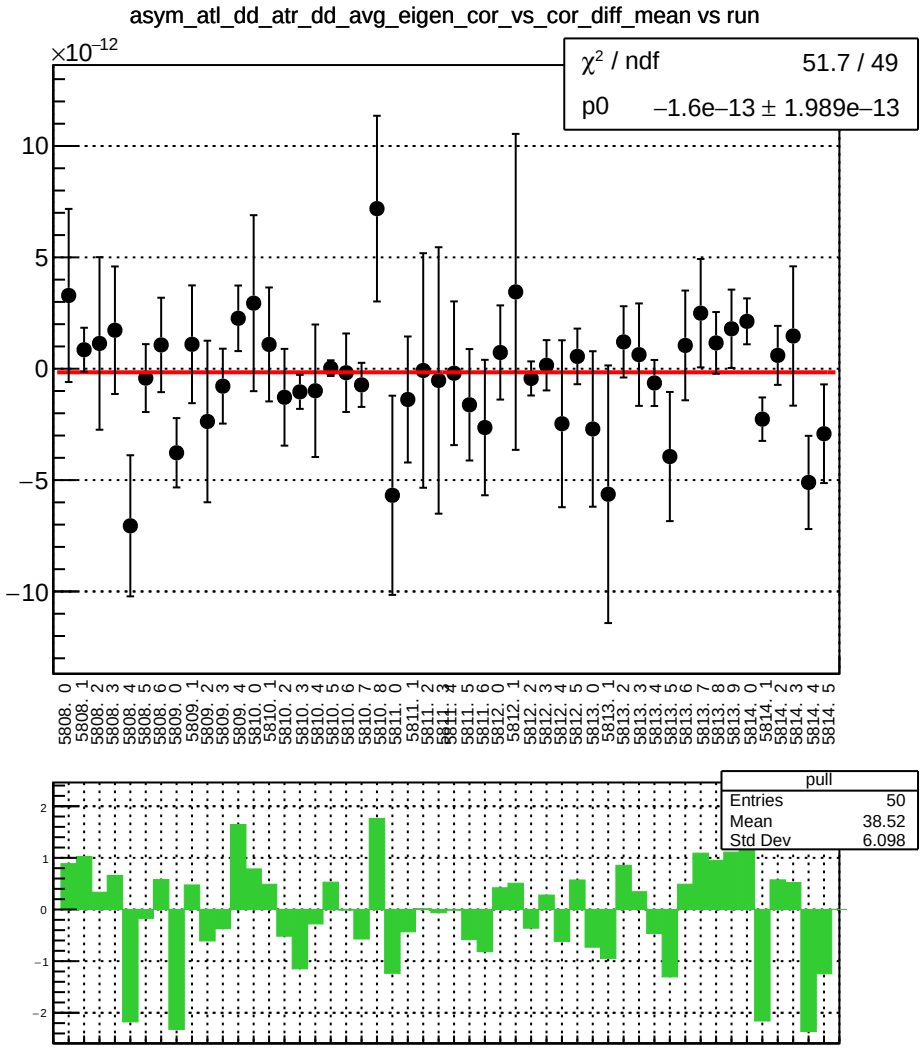


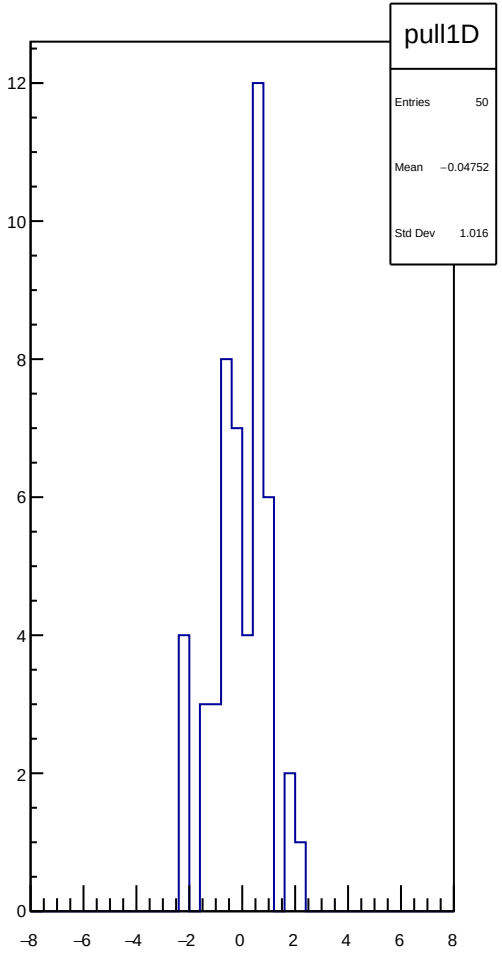

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

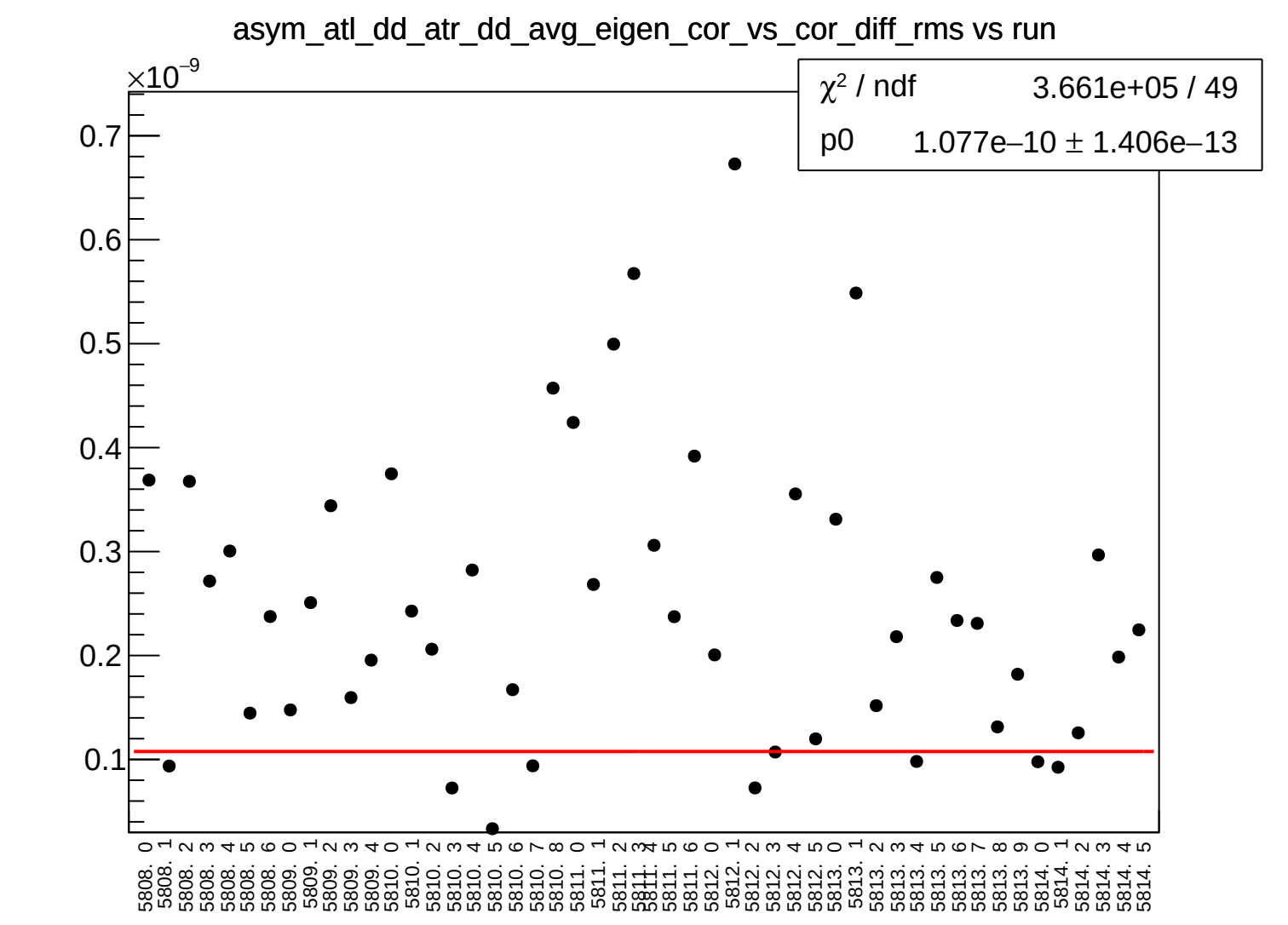

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.7
Std Dev 0


pull1D
Entries 50
Mean 0.006302
Std Dev 1.029


asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.7 / 49
p0 −1.6e−13 ± 1.989e−13
pull
Entries 50
Mean 38.52
Std Dev 6.098


pull1D
Entries 50
Mean −0.04752
Std Dev 1.016


asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.661e+05 / 49
p0 1.077e−10 ± 1.406e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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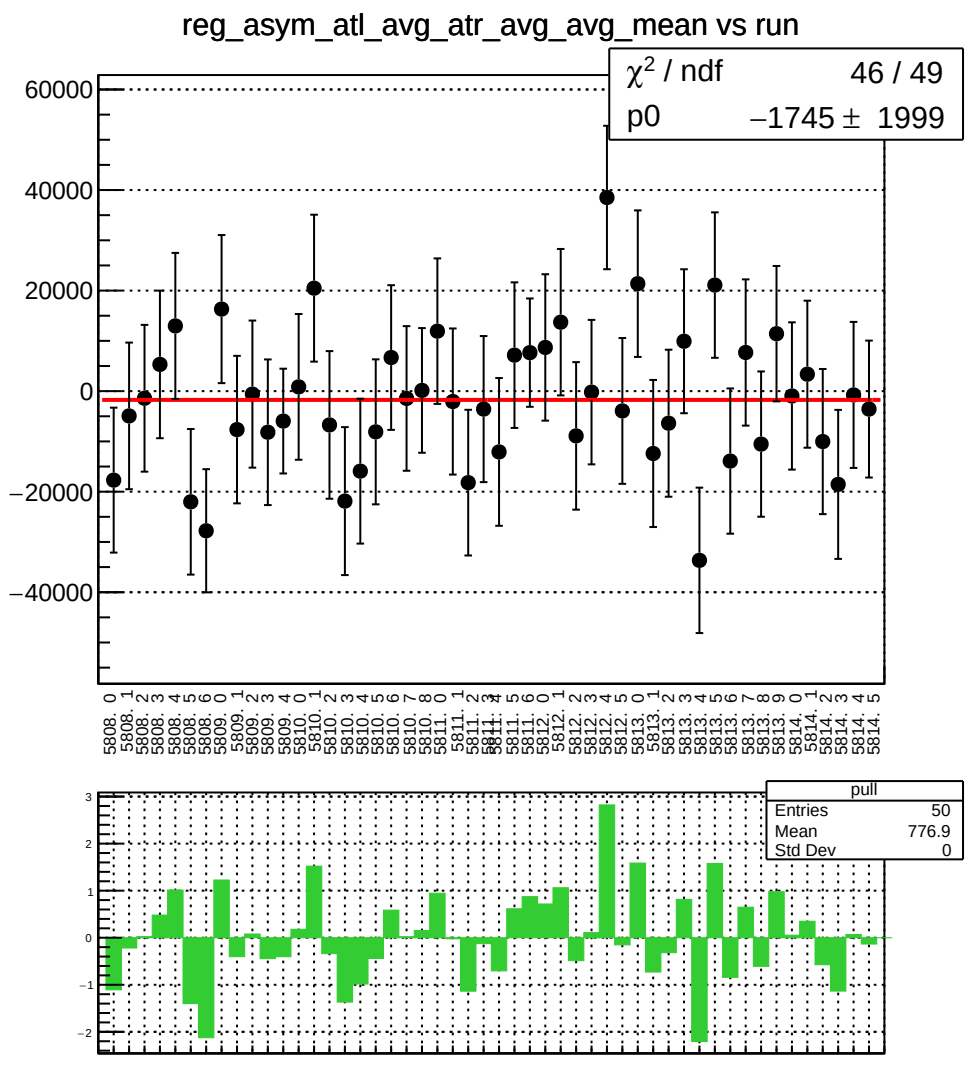
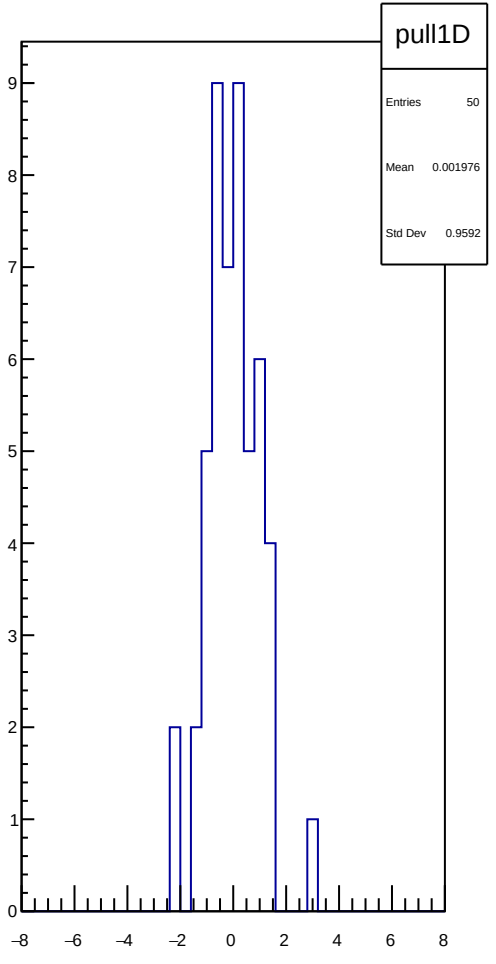
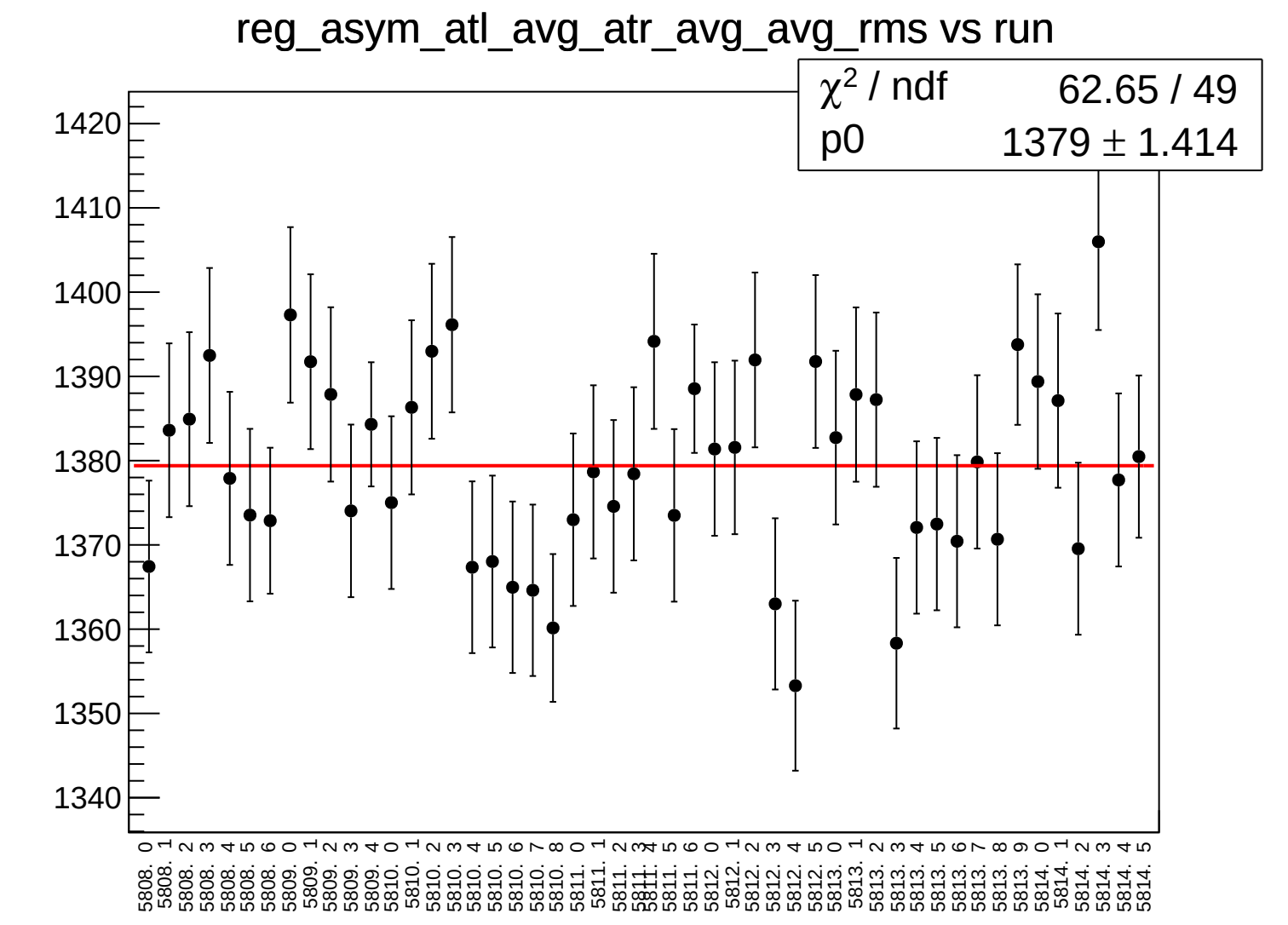
5814. 4
5814. 5


reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46 / 49
p0 −1745 ± 1999
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 776.9
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.001976
Std Dev 0.9592
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.65 / 49
p0 1379 ± 1.414
1420
1410
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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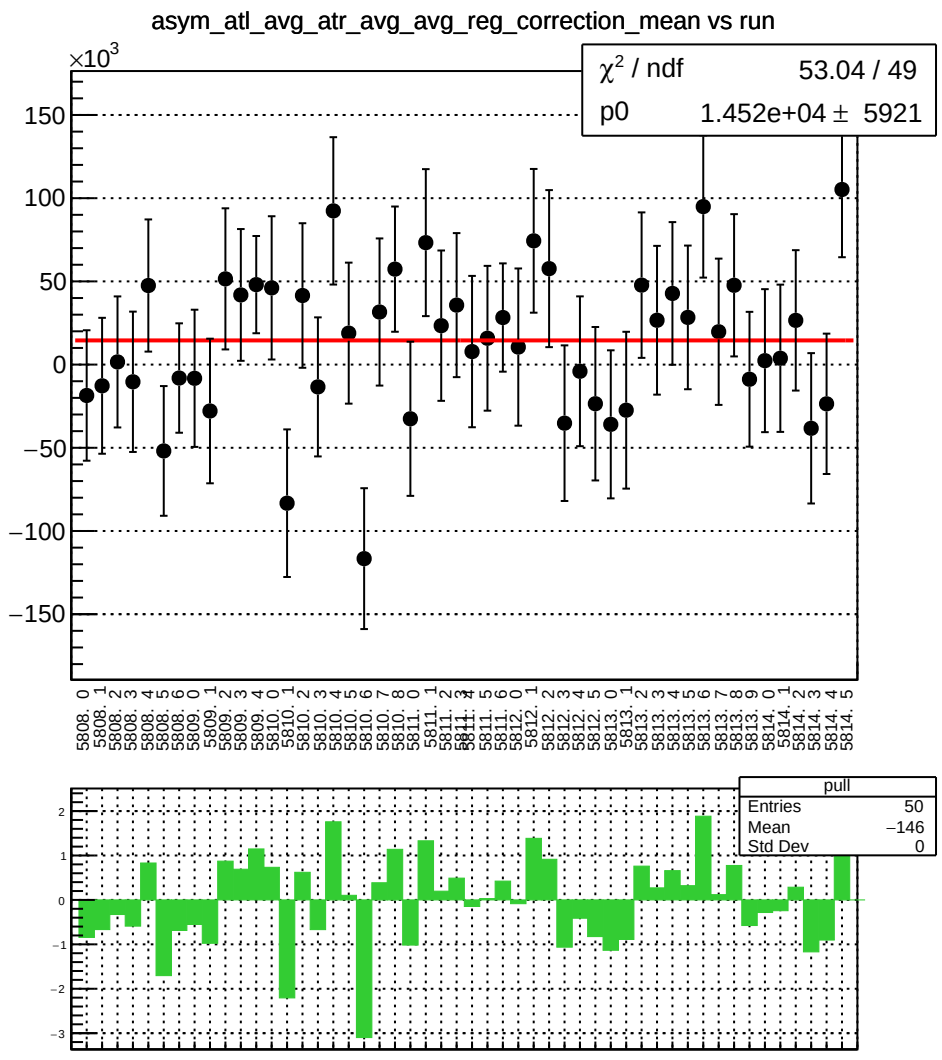
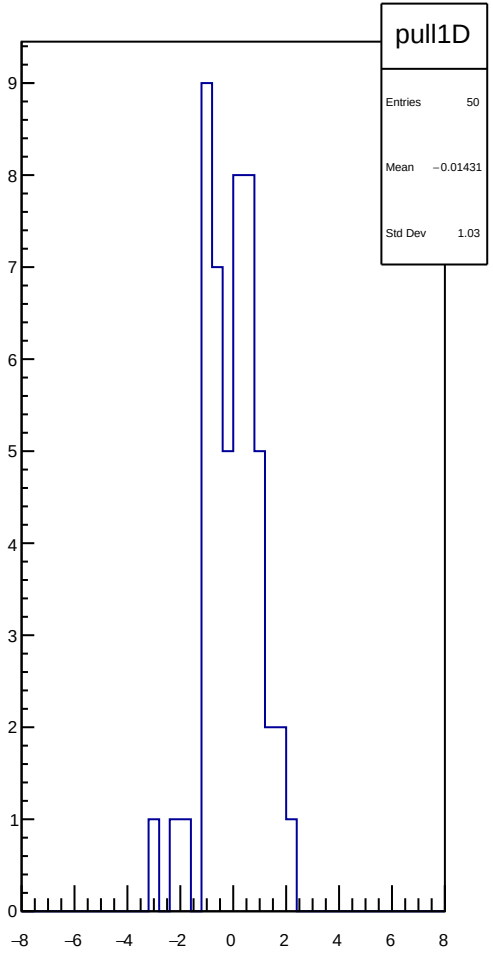
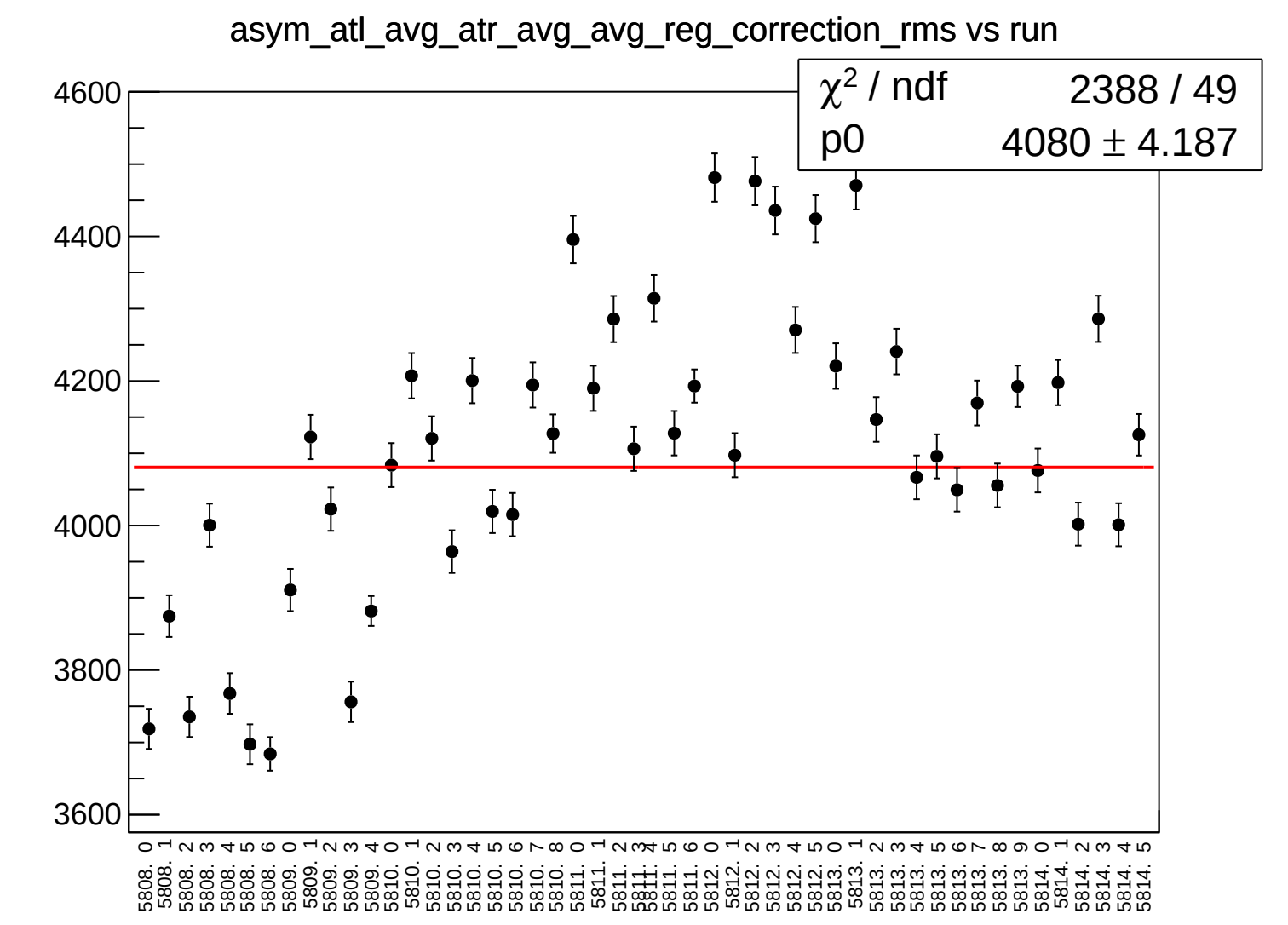
5814. 4
5814. 5


asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 53.04 / 49
p0 1.452e+04 ± 5921
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −146
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01431
Std Dev 1.03
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 2388 / 49
p0 4080 ± 4.187
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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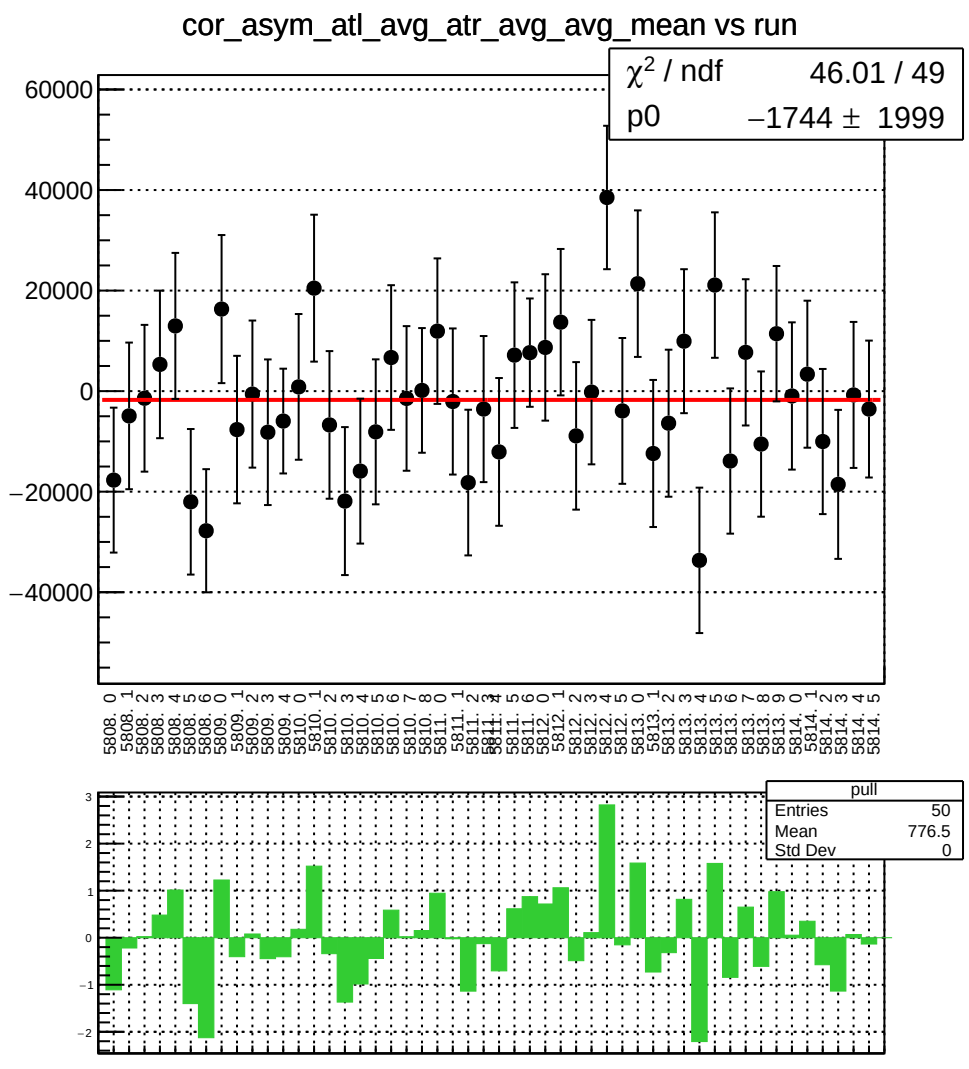
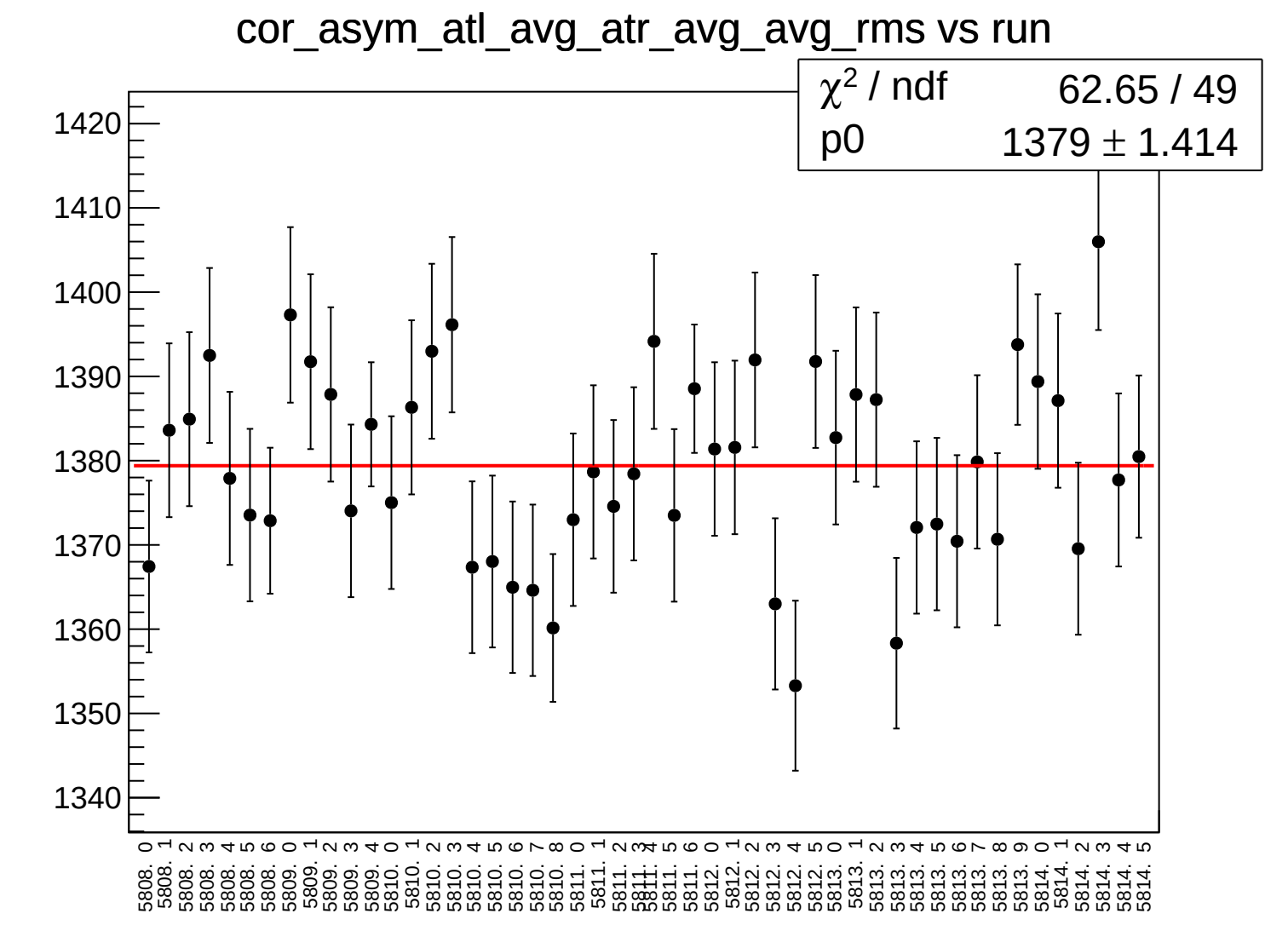
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.01 / 49
p0 −1744 ± 1999
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 776.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001978
Std Dev 0.9592
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.65 / 49
p0 1379 ± 1.414
1420
1410
1400
1390
1380
1370
1360
1350
1340
5808. 0
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5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
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5810. 0
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5810. 7
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5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5814. 0
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5814. 2
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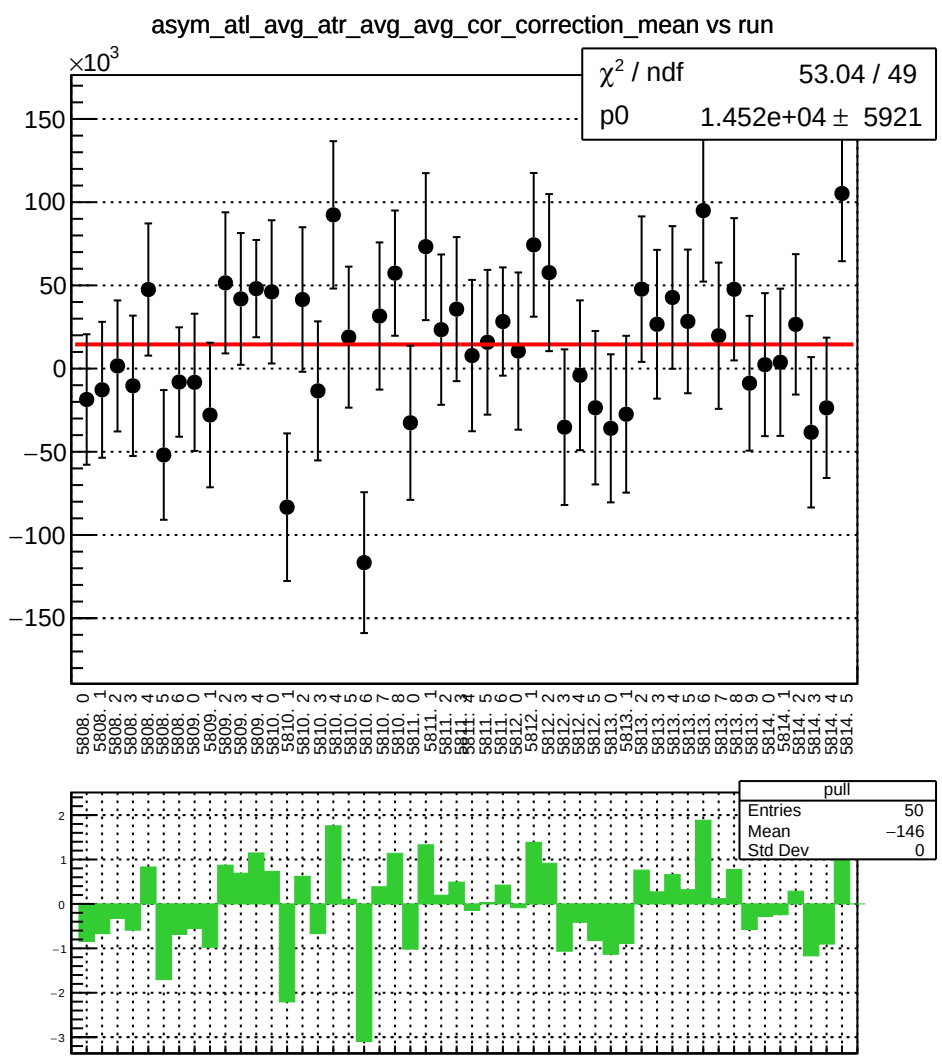
5814. 5


asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 53.04 / 49
p0 1.452e+04 ± 5921
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5811. 6
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5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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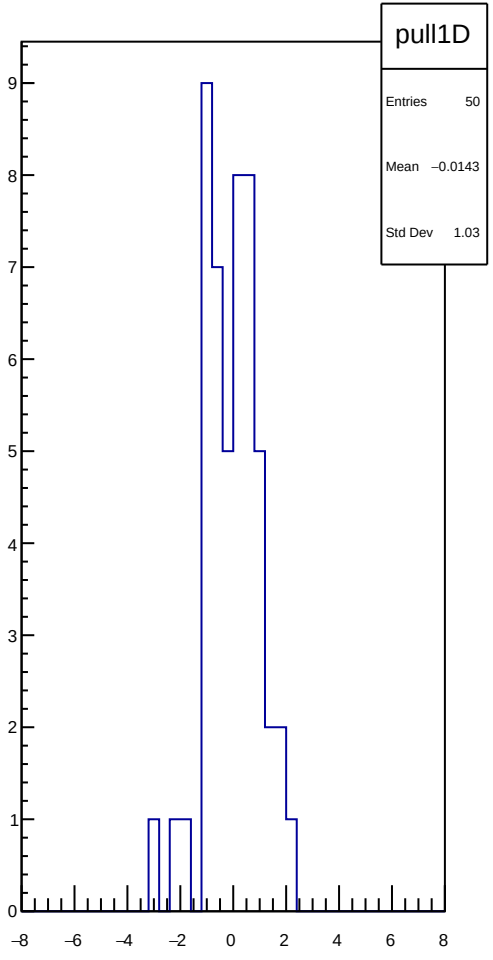
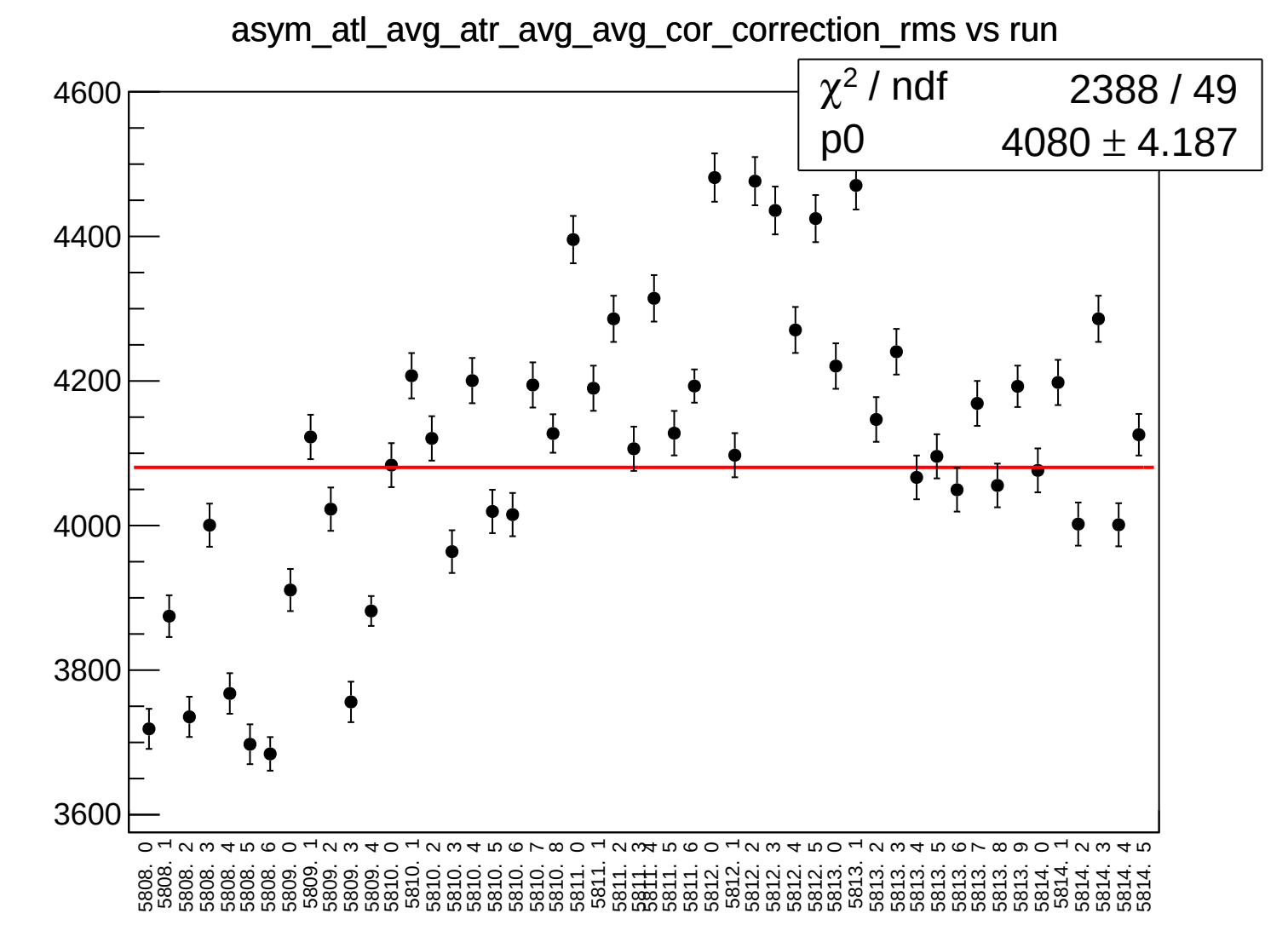
5814. 4
5814. 5
pull
Entries 50
Mean −146
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.0143
Std Dev 1.03
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 2388 / 49
p0 4080 ± 4.187
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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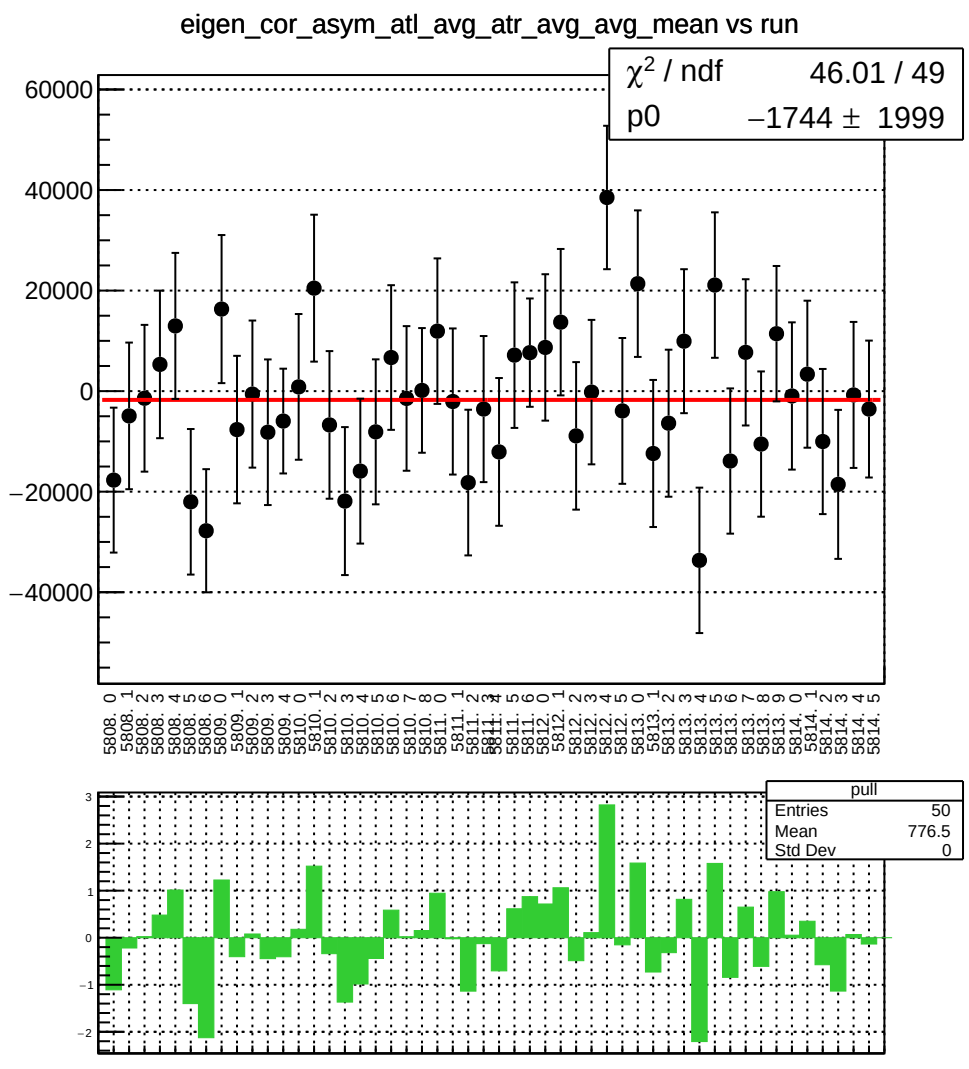
5814. 4
5814. 5


eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.01 / 49
p0 −1744 ± 1999
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
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5811. 0
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 776.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001978
Std Dev 0.9592
9
8
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4
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2
1
0
−8
−6
−4
−2
0
2
4
6
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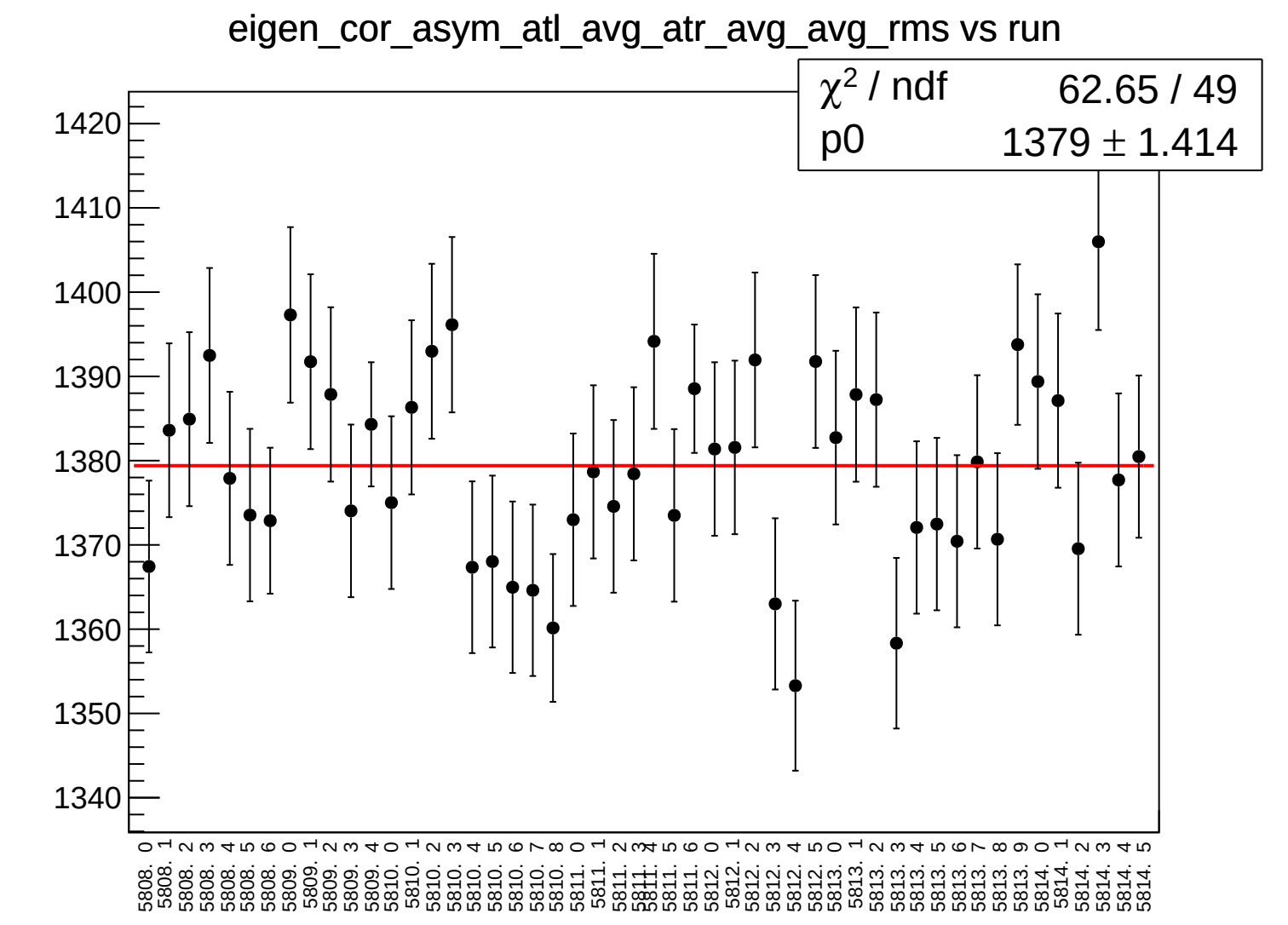
eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 62.65 / 49
p0 1379 ± 1.414
1420
1410
1400
1390
1380
1370
1360
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1340
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
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5809. 2
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5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
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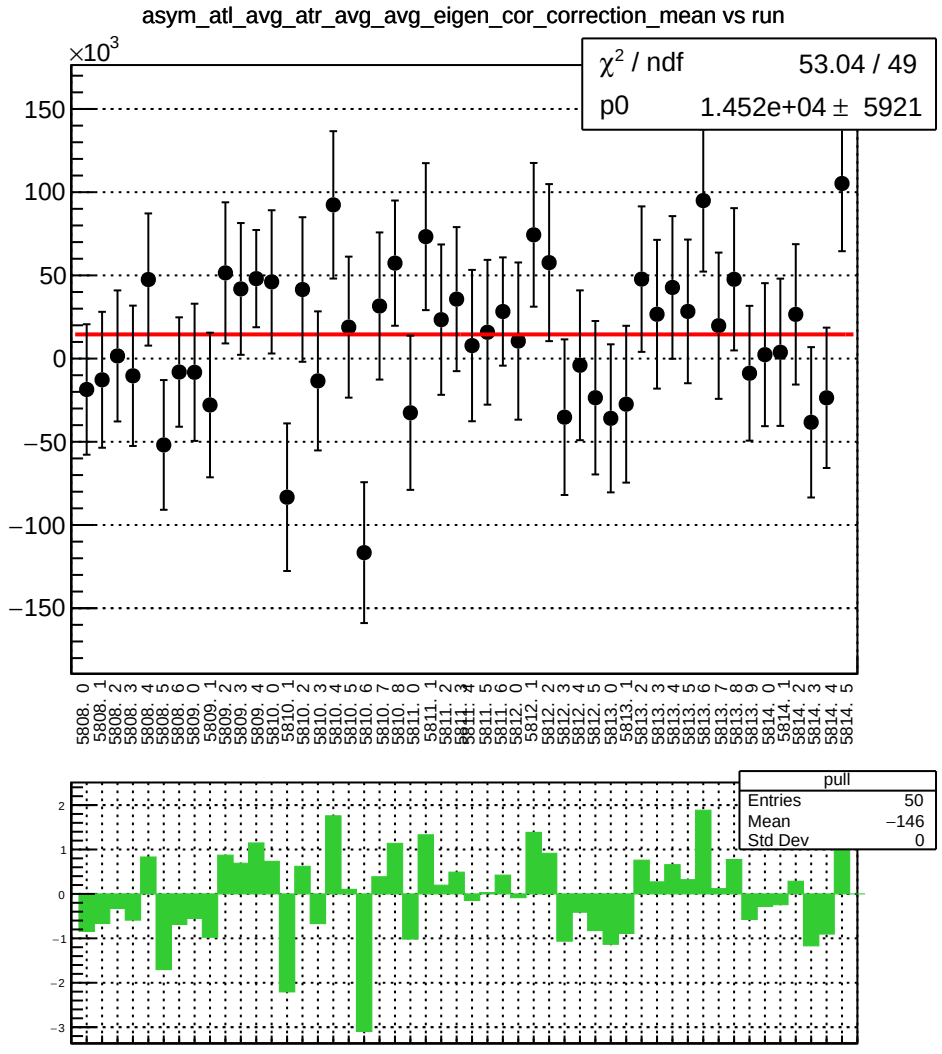
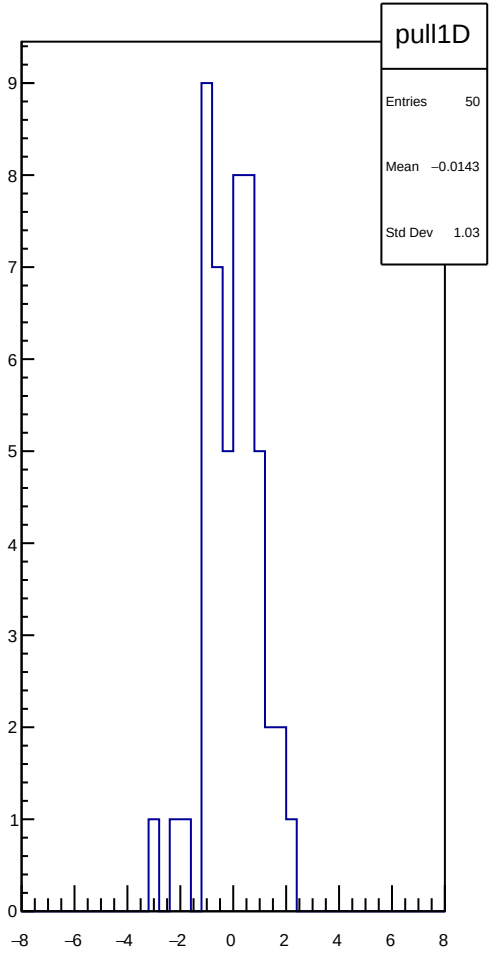
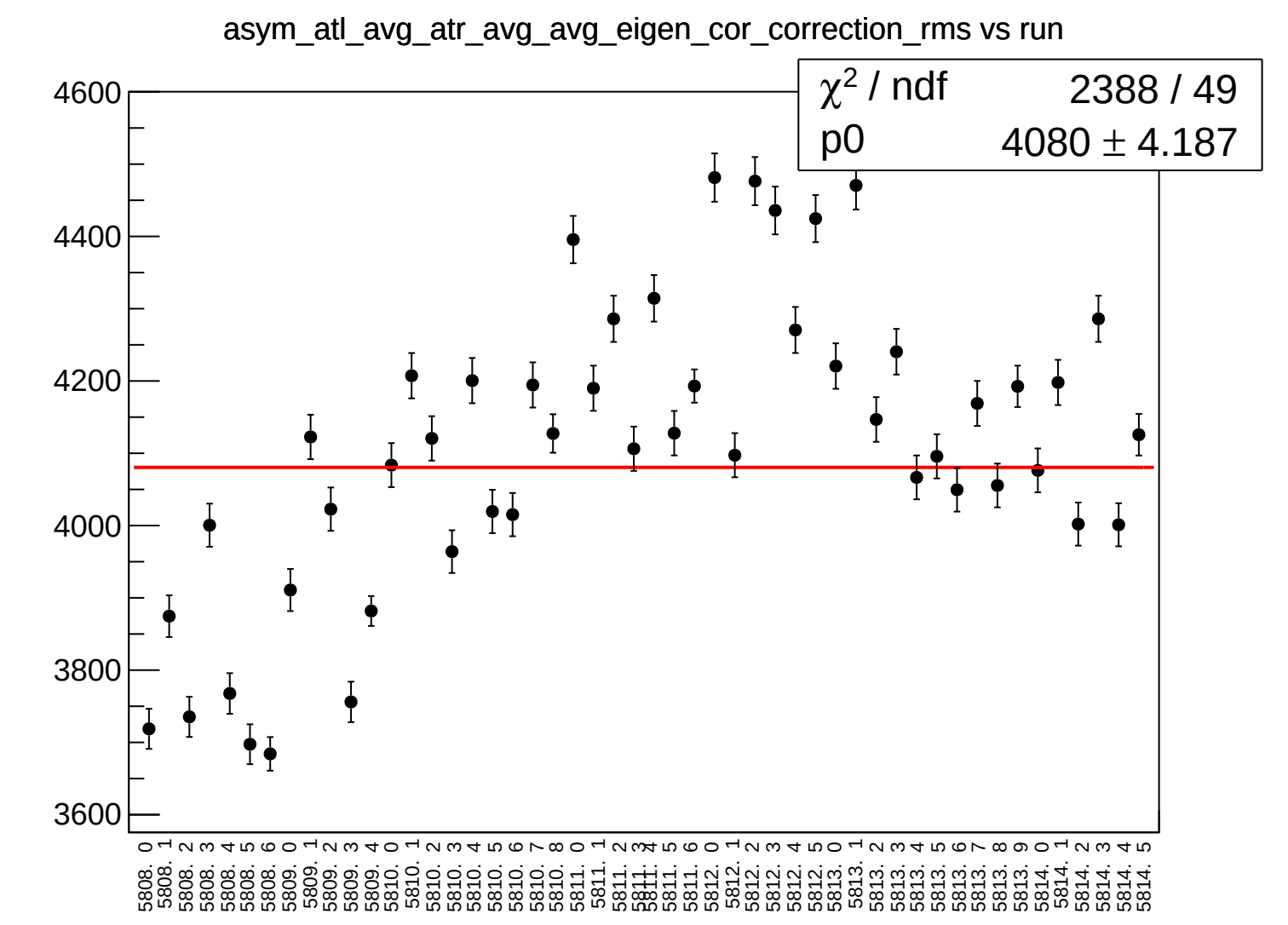
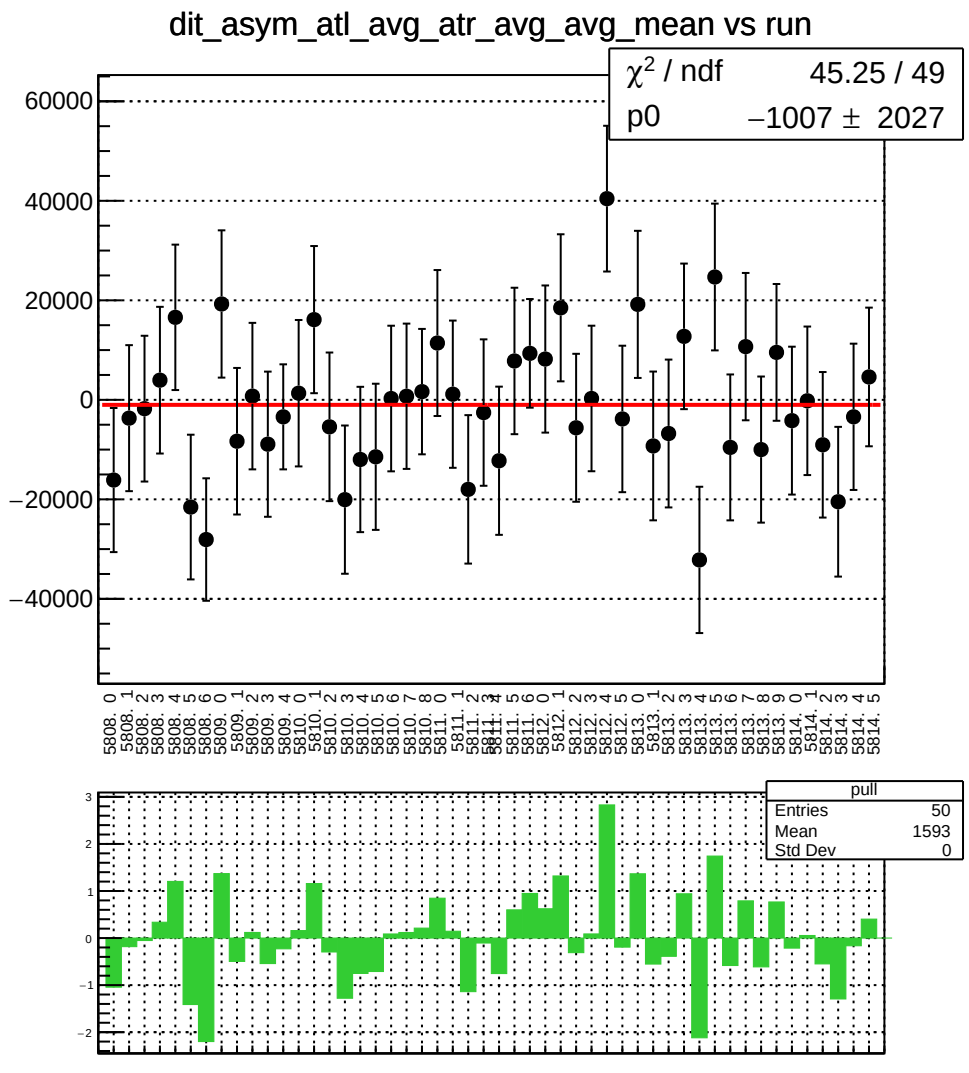
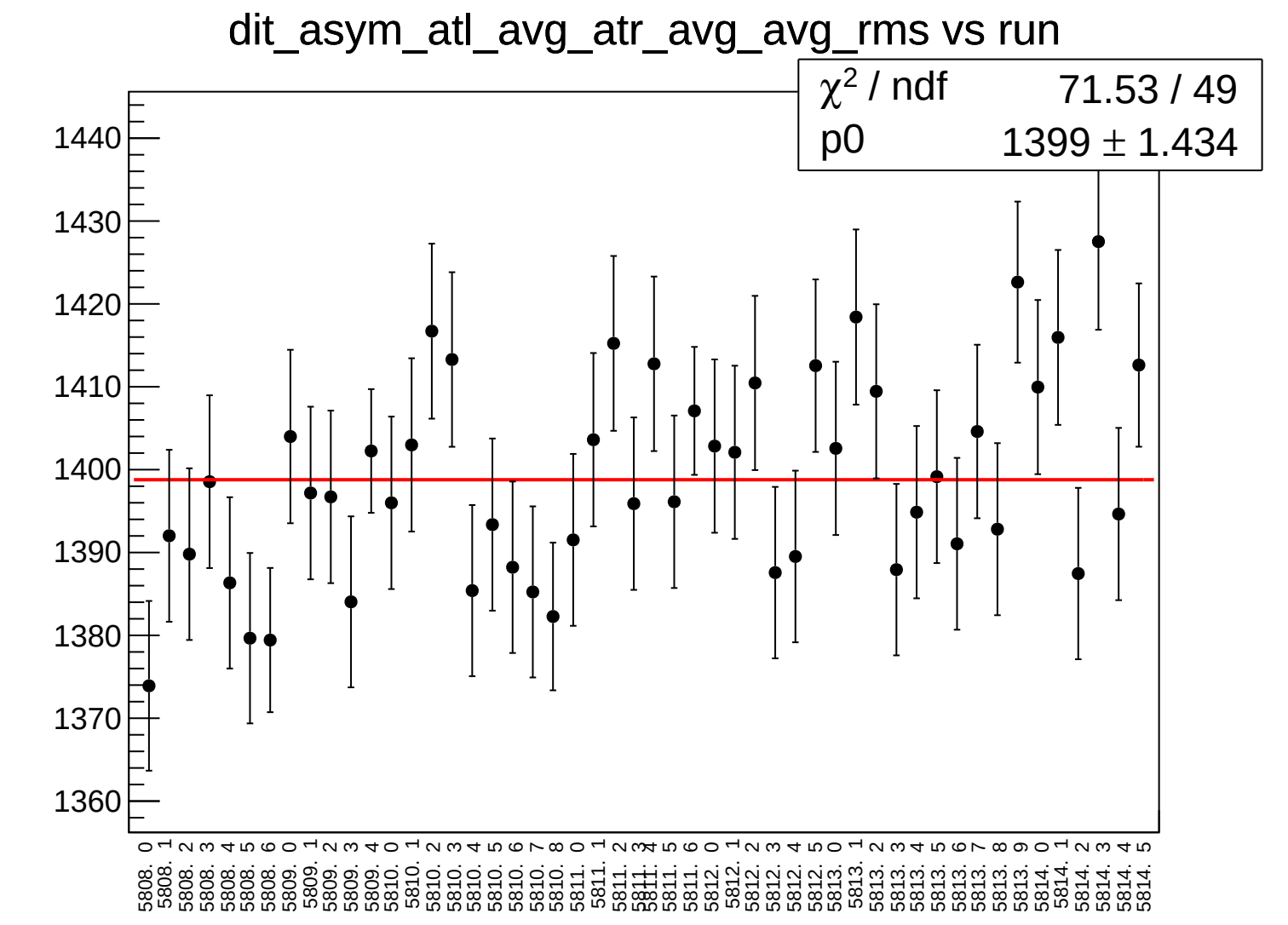
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

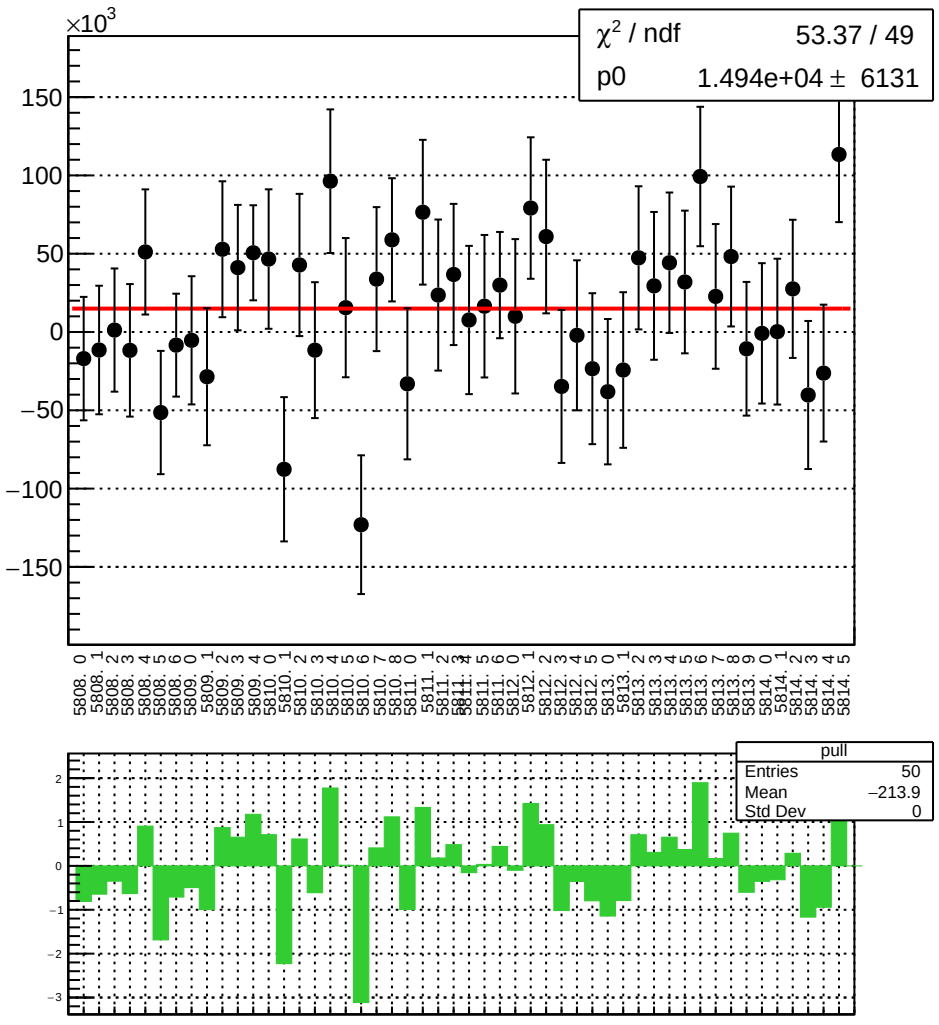

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.04 / 49
p0 1.452e+04 ± 5921
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −146
Std Dev 0
2
1
0
−1
−2
−3

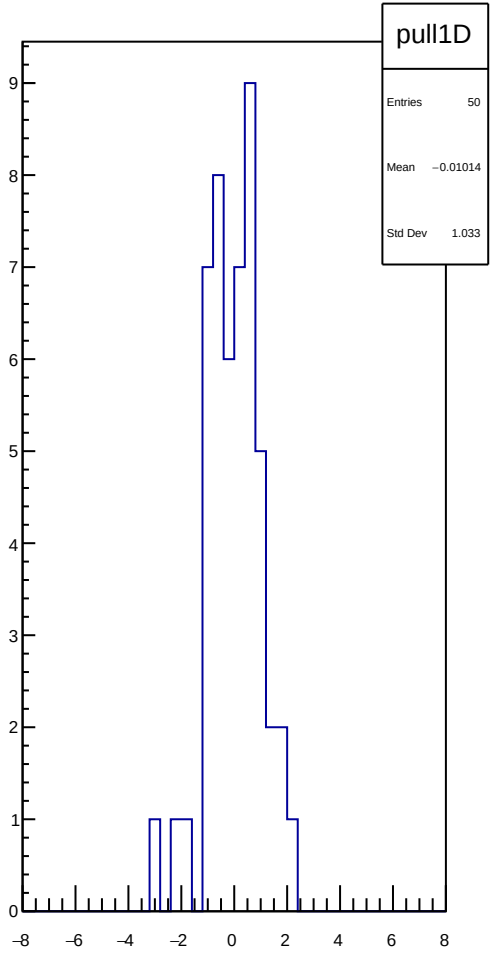

pull1D
Entries 50
Mean −0.0143
Std Dev 1.03
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

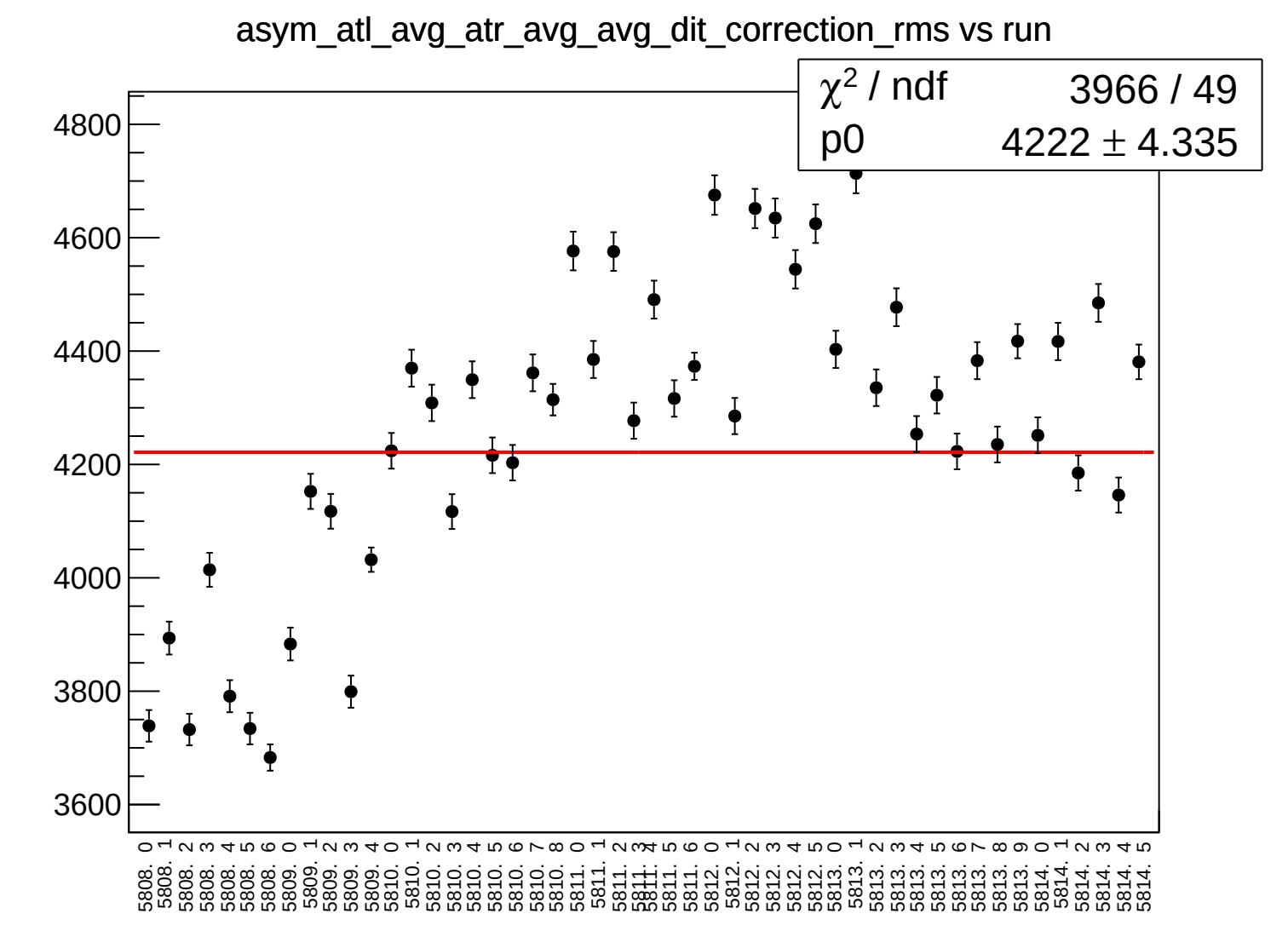

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2388 / 49
p0 4080 ± 4.187
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

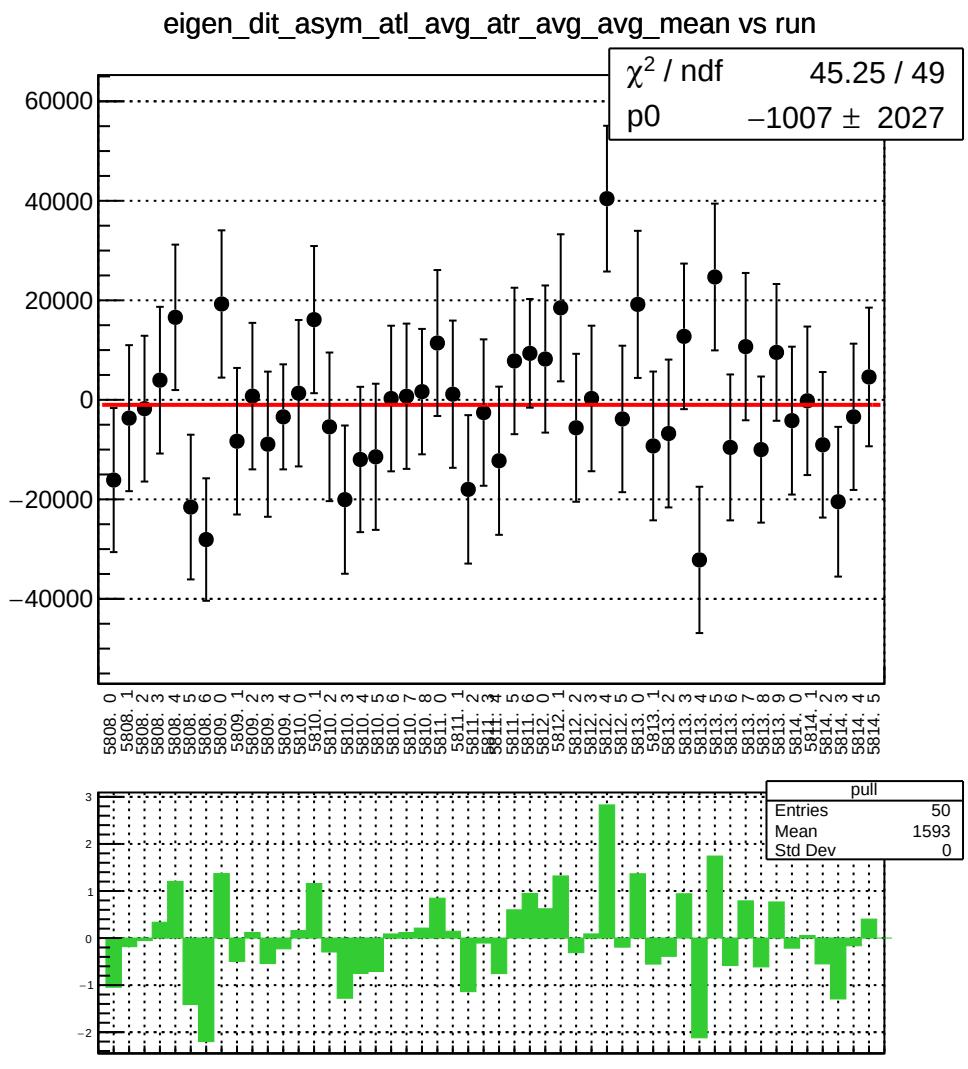

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 45.25 / 49
p0 −1007 ± 2027
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1593
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001004
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

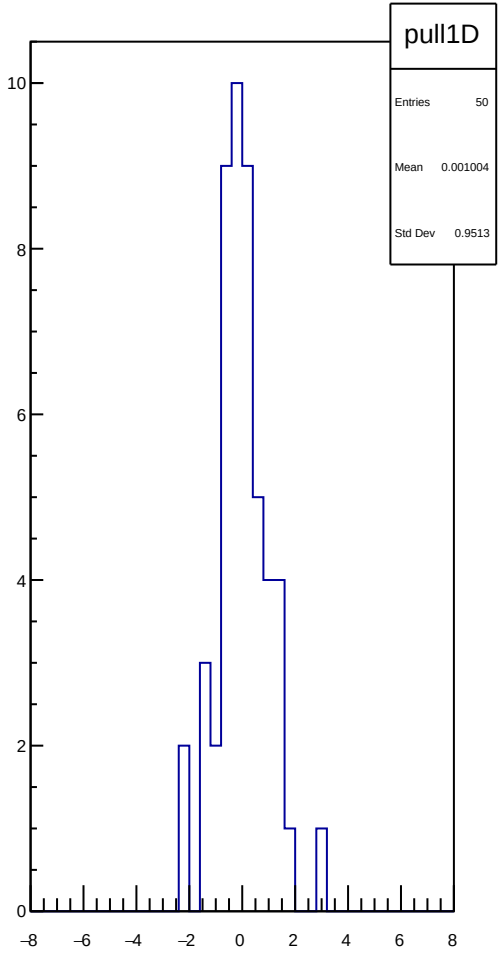

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 71.53 / 49
p0 1399 ± 1.434
1440
1430
1420
1410
1400
1390
1380
1370
1360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

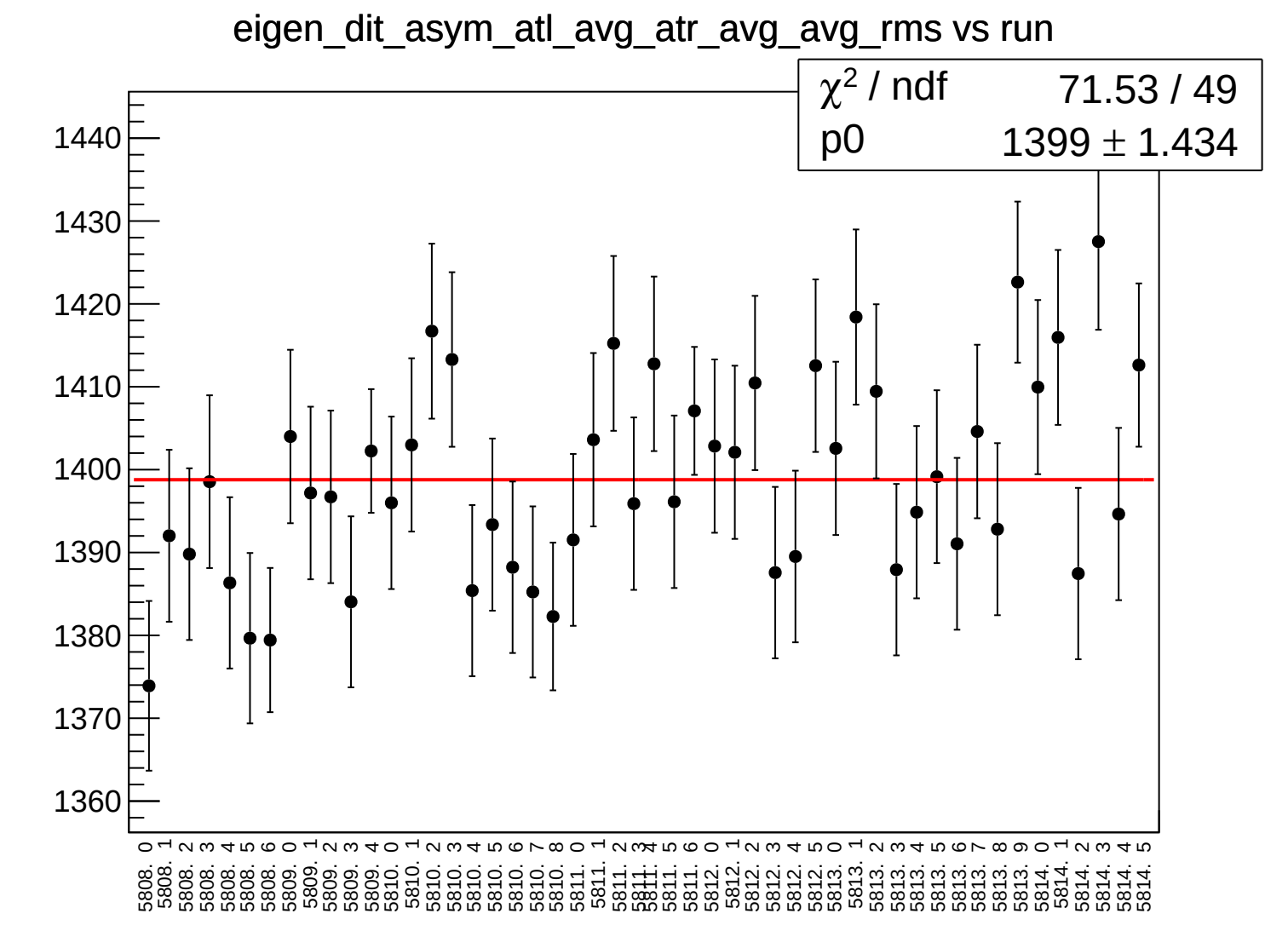

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 53.37 / 49
p0 1.494e+04 ± 6131
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −213.9
Std Dev 0
2
1
0
−1
−2
−3

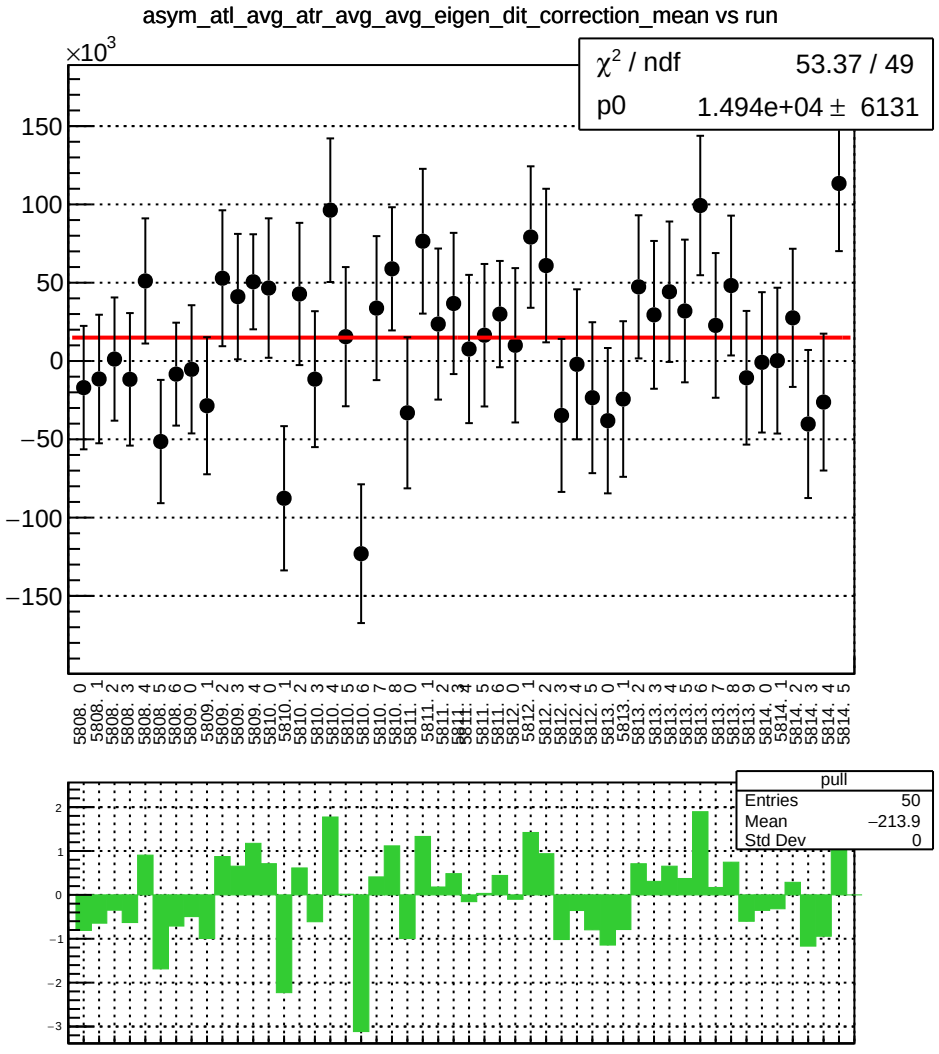

pull1D
Entries 50
Mean −0.01014
Std Dev 1.033
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

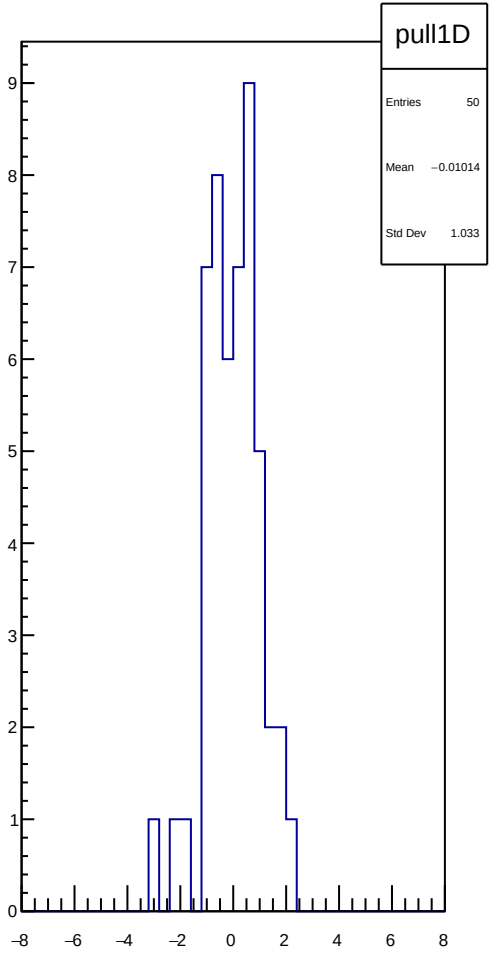

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 3966 / 49
p0 4222 ± 4.335
4800
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

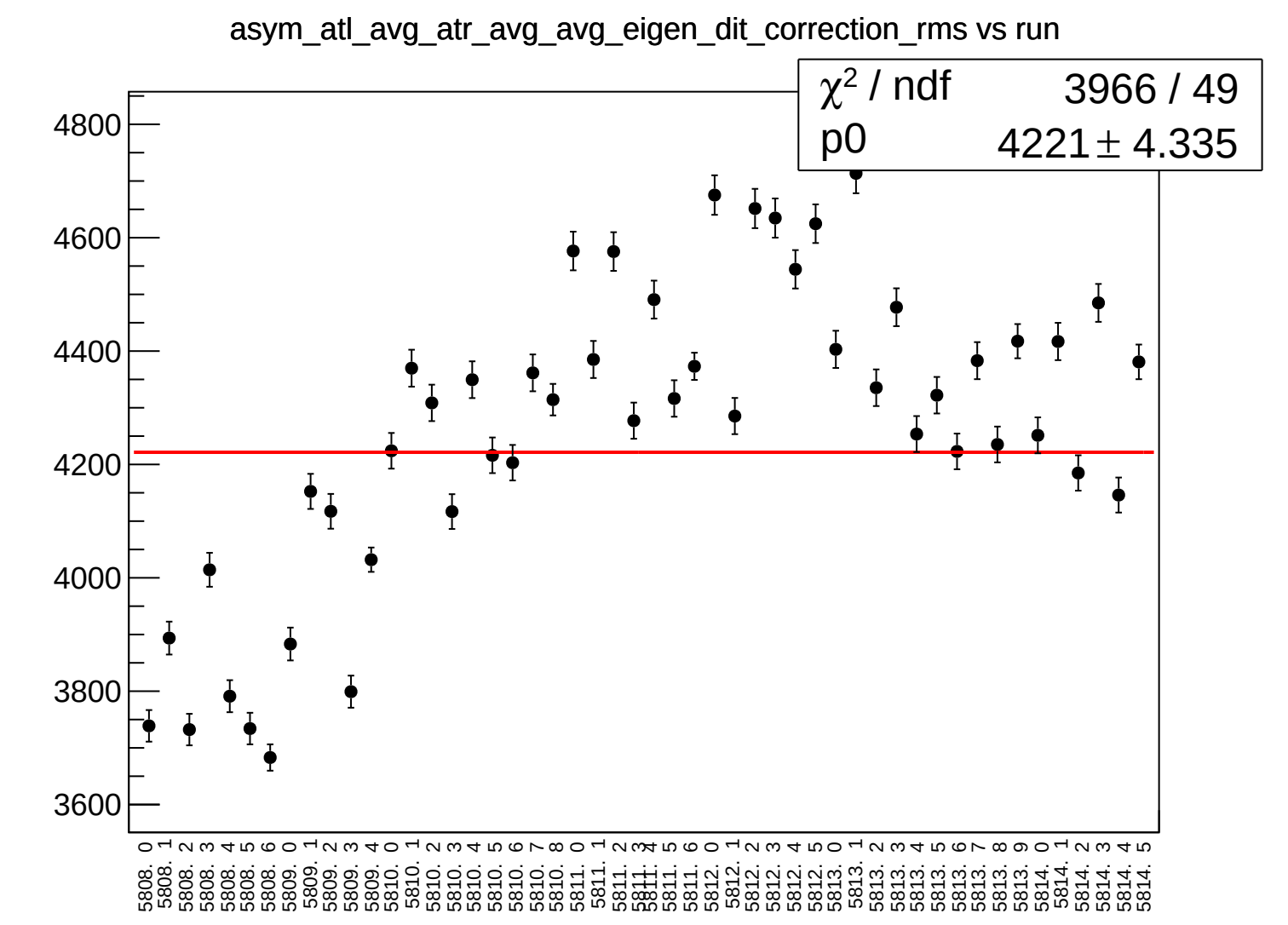

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 45.25 / 49
p0 −1007 ± 2027
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 1593
Std Dev 0
3
2
1
0
−1
−2

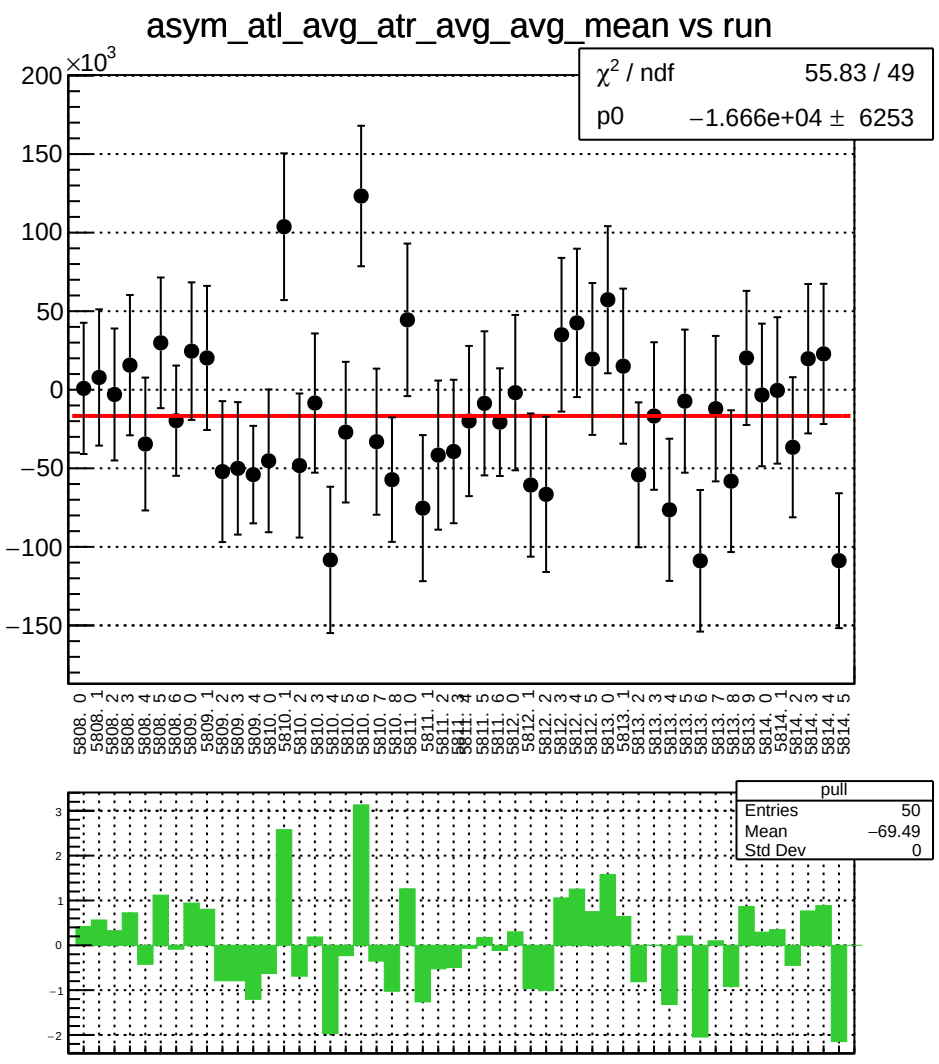

pull1D
Entries 50
Mean 0.001004
Std Dev 0.9513
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

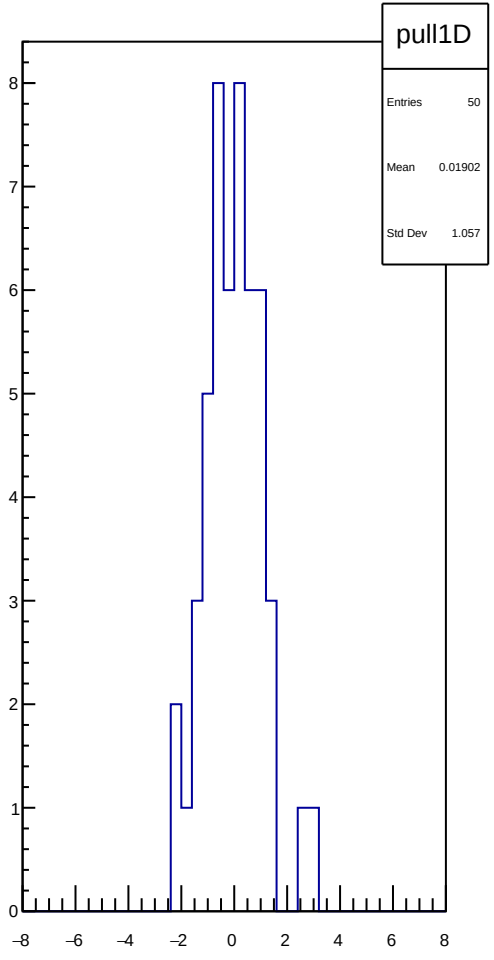

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 71.53 / 49
p0 1399 ± 1.434
1440
1430
1420
1410
1400
1390
1380
1370
1360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

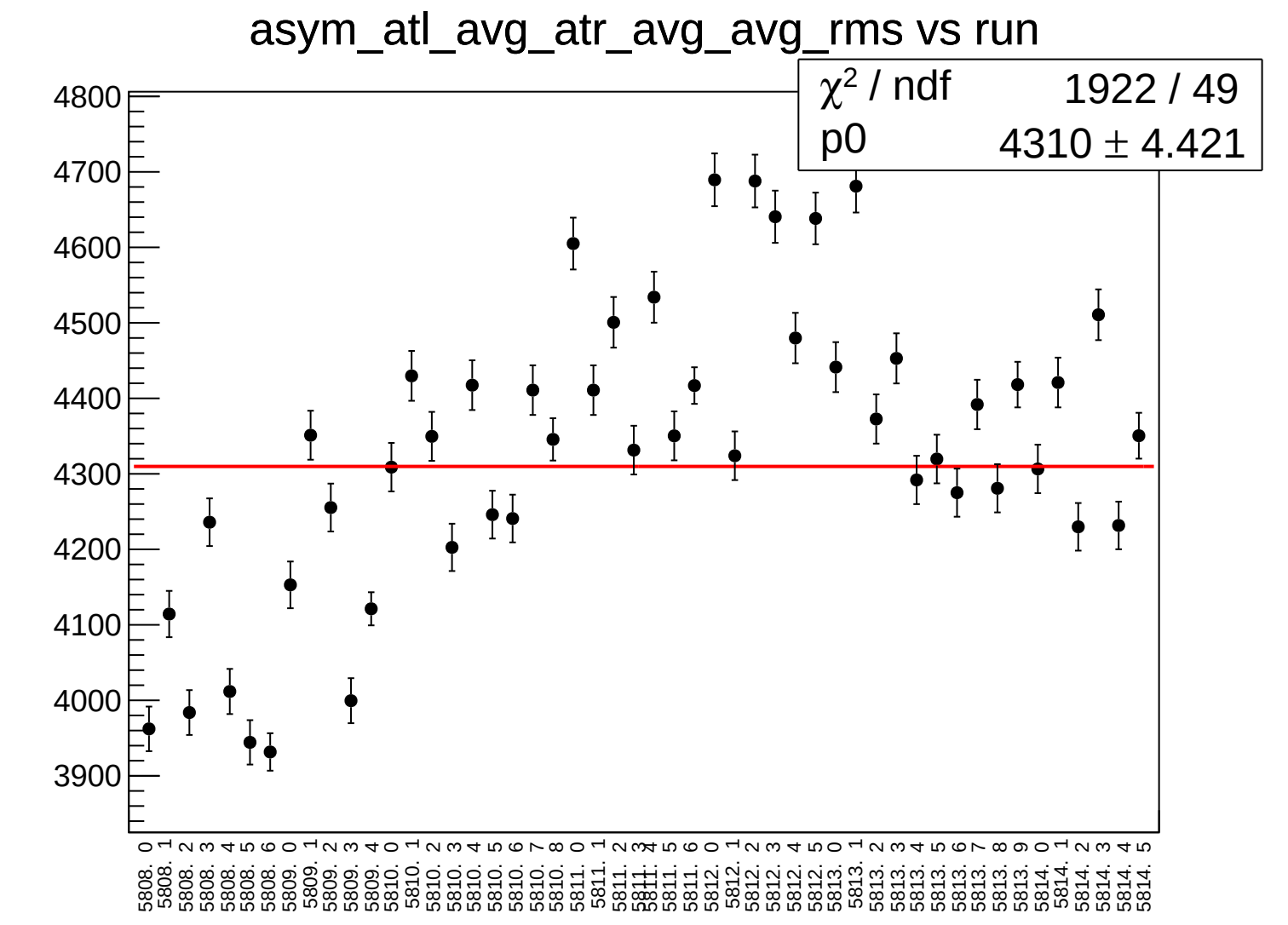

asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.37 / 49
p0 1.494e+04 ± 6131
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −213.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01014
Std Dev 1.033
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_dit_correction_rms vs run
χ² / ndf 3966 / 49
p0 4221 ± 4.335
4800
4600
4400
4200
4000
3800
3600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 55.83 / 49
p0 −1.666e+04 ± 6253
×10³
200
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −69.49
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01902
Std Dev 1.057
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 1922 / 49
p0 4310 ± 4.421
4800
4700
4600
4500
4400
4300
4200
4100
4000
3900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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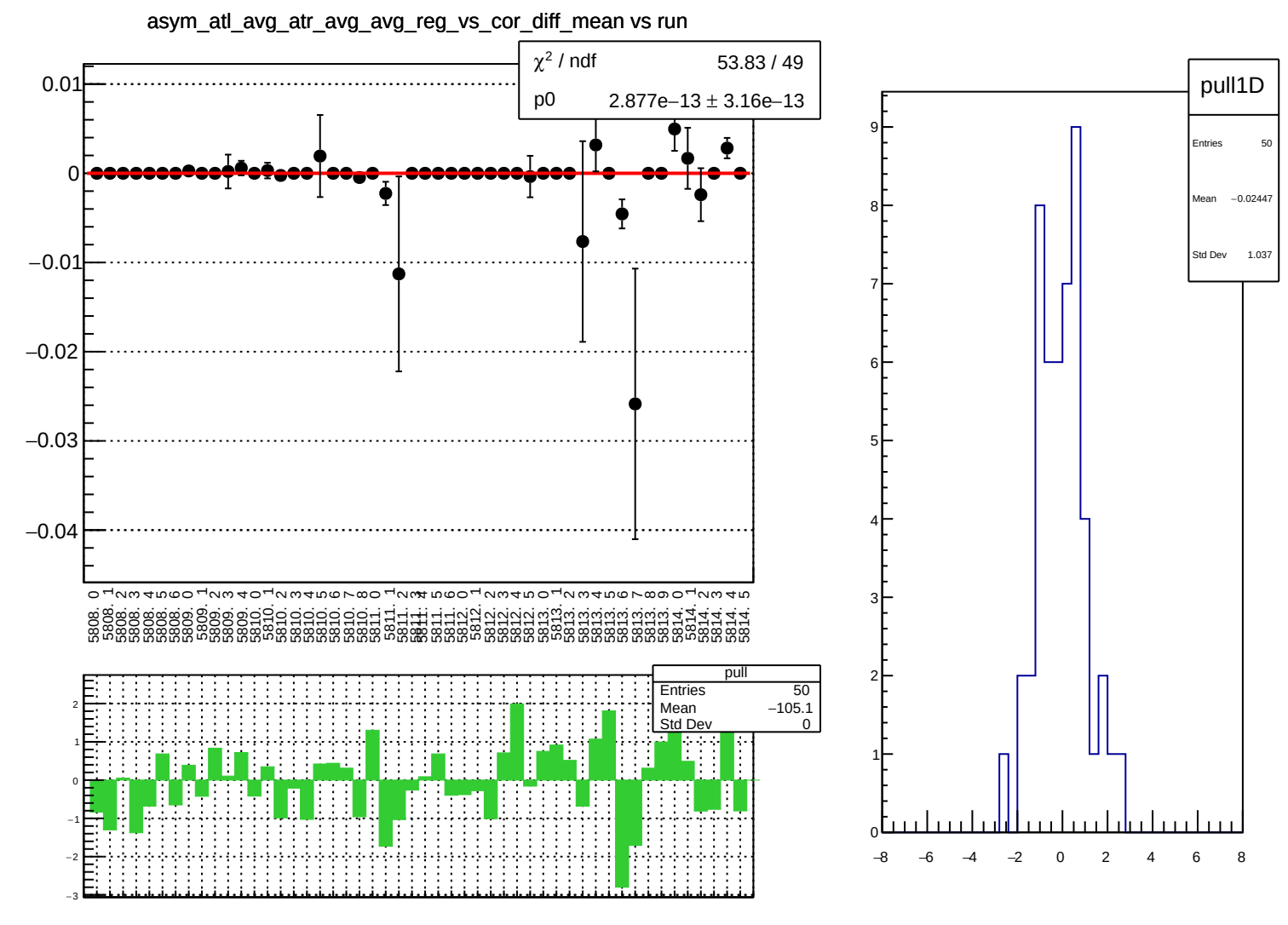
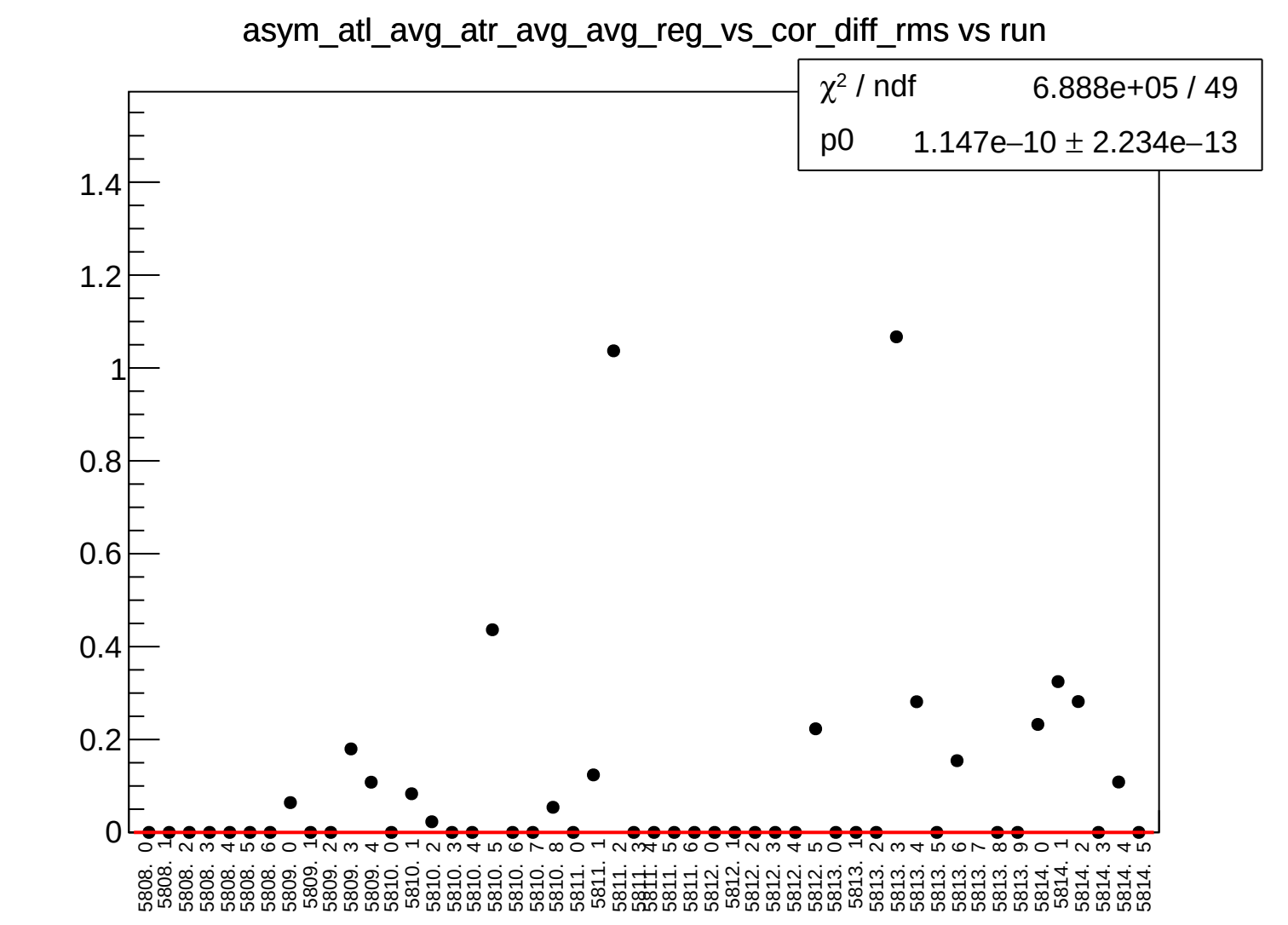
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.83 / 49
p0 2.877e−13 ± 3.16e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 50
Mean −105.1
Std Dev 0
pull1D
Entries 50
Mean −0.02447
Std Dev 1.037


asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.888e+05 / 49
p0 1.147e−10 ± 2.234e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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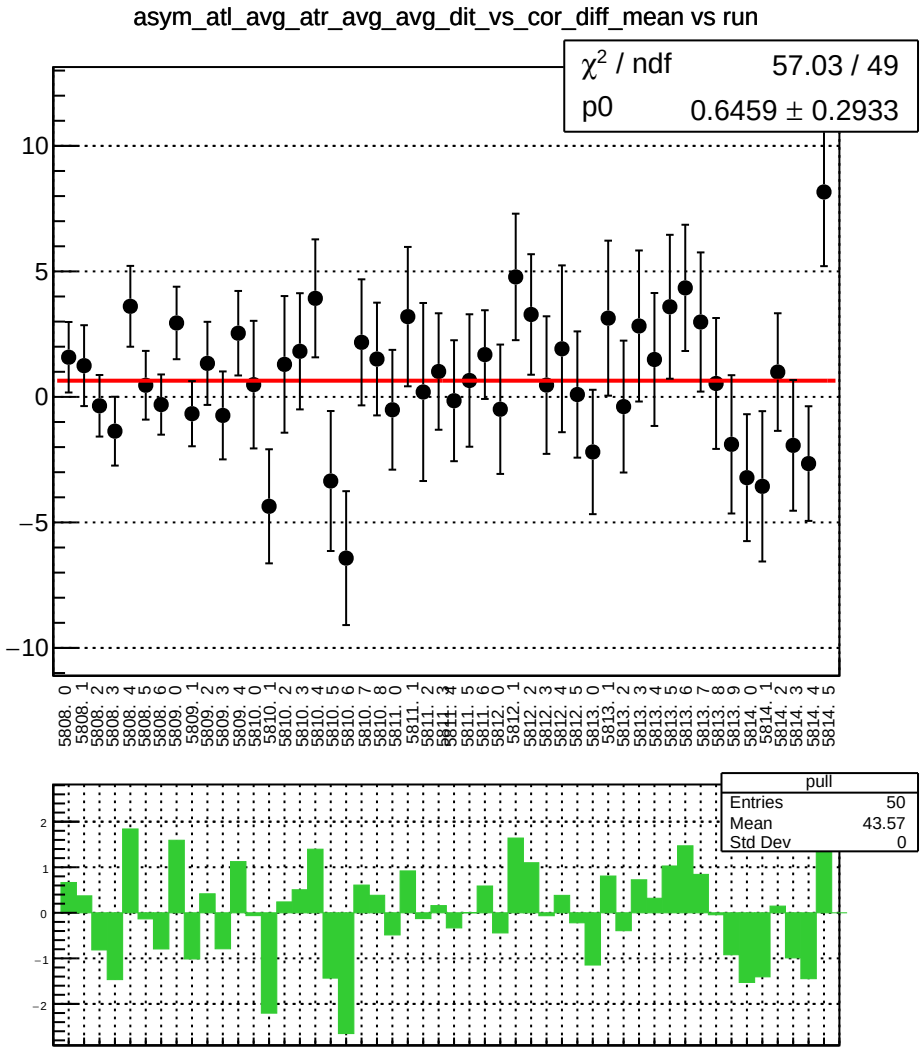
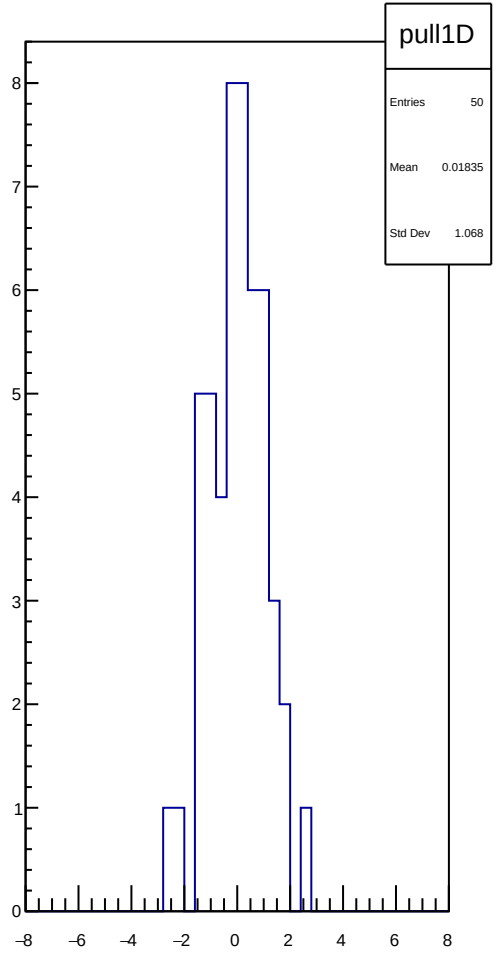
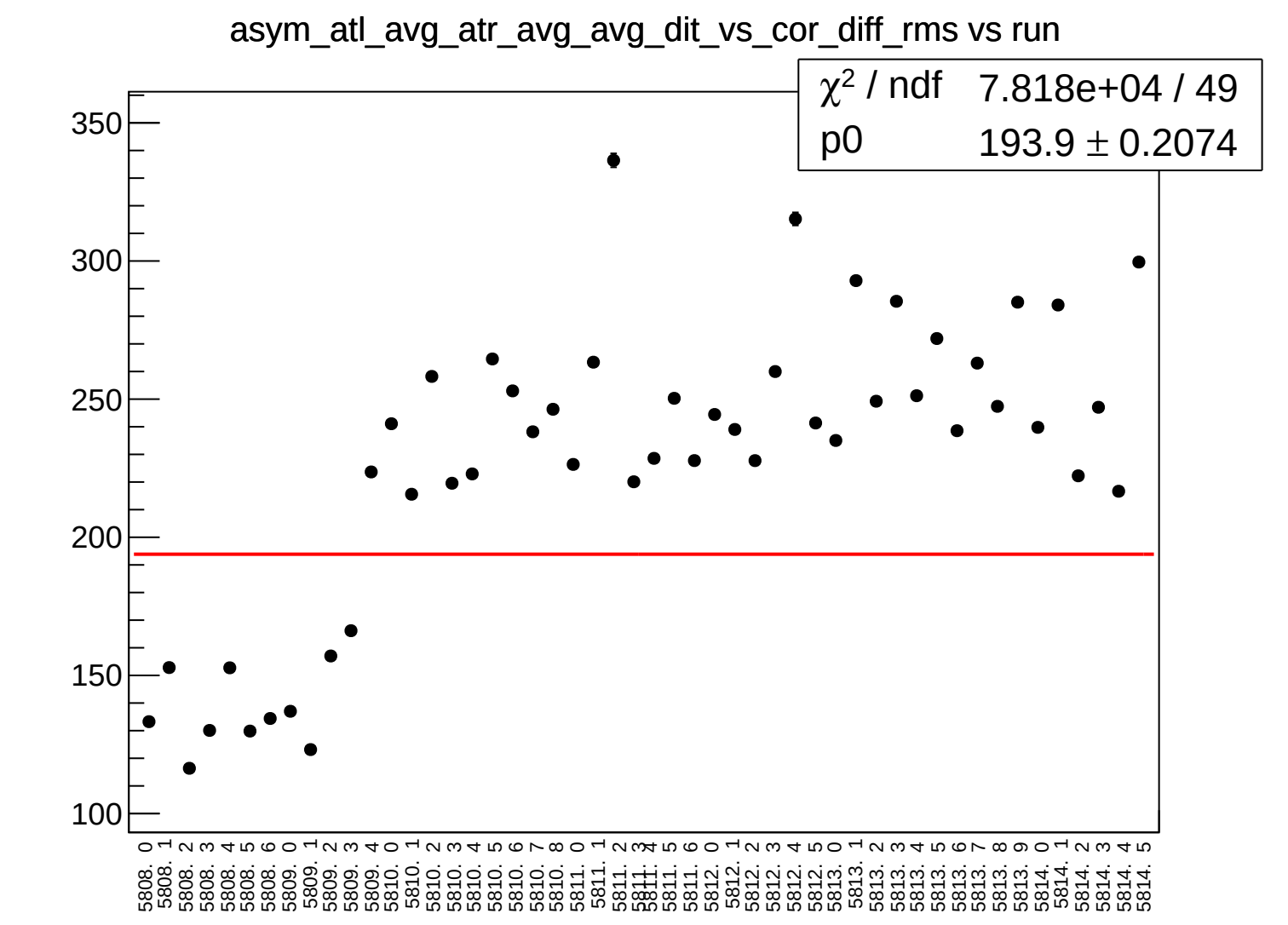
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.03 / 49
p0 0.6459 ± 0.2933
pull
Entries 50
Mean 43.57
Std Dev 0


pull1D
Entries 50
Mean 0.01835
Std Dev 1.068


asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.818e+04 / 49
p0 193.9 ± 0.2074
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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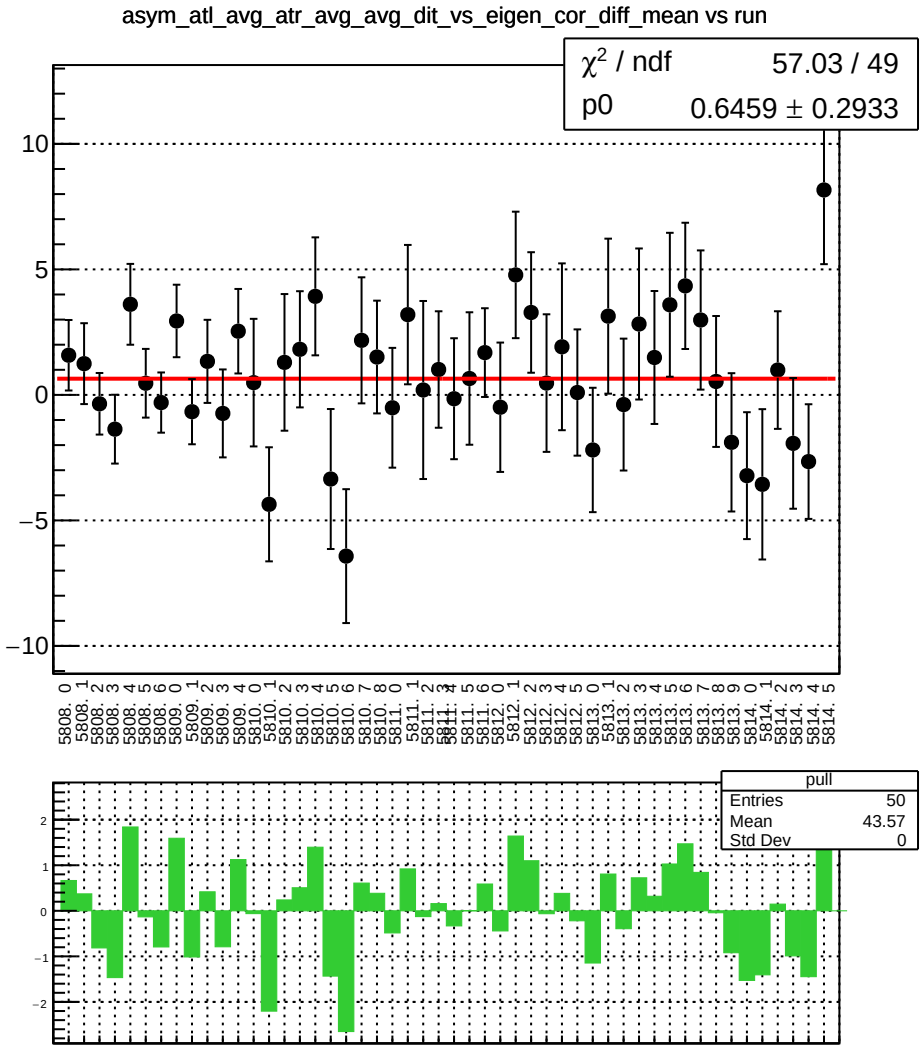
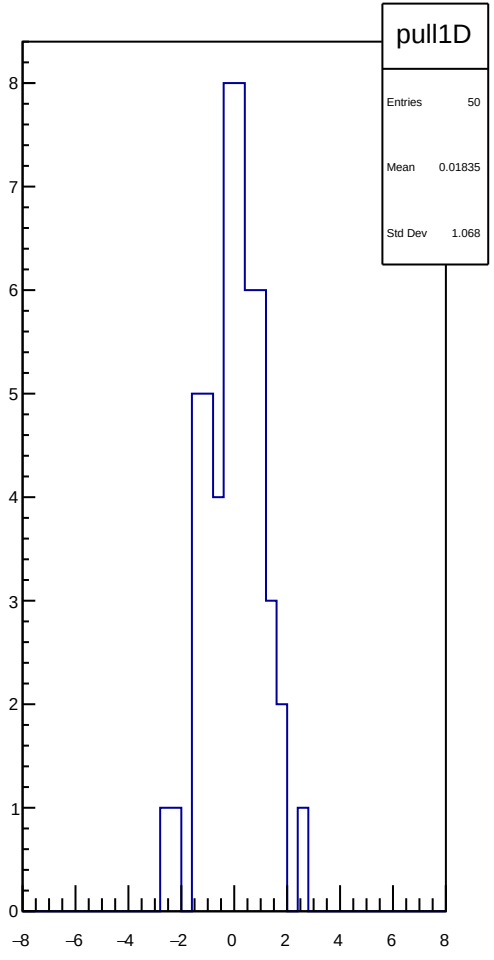
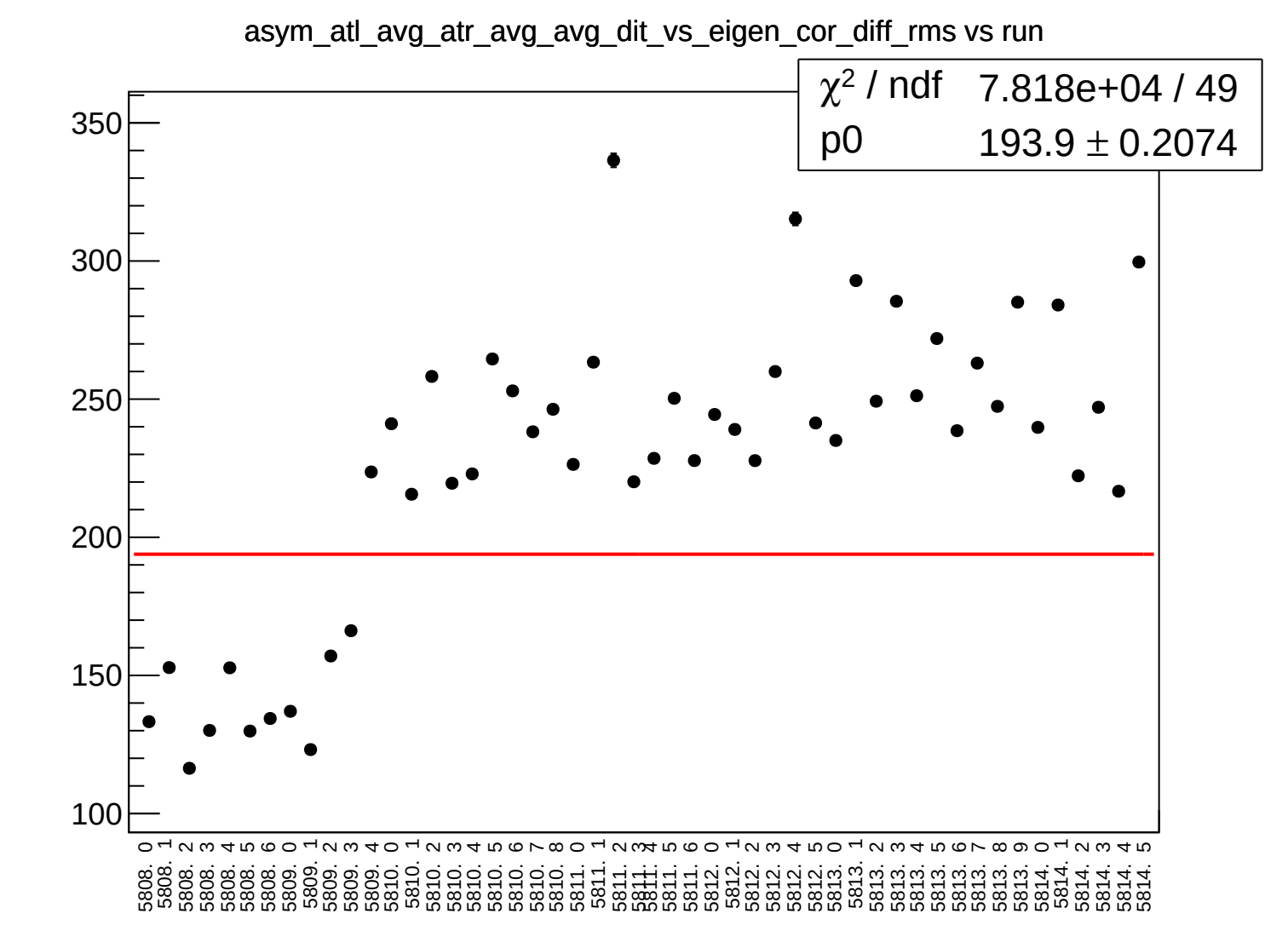
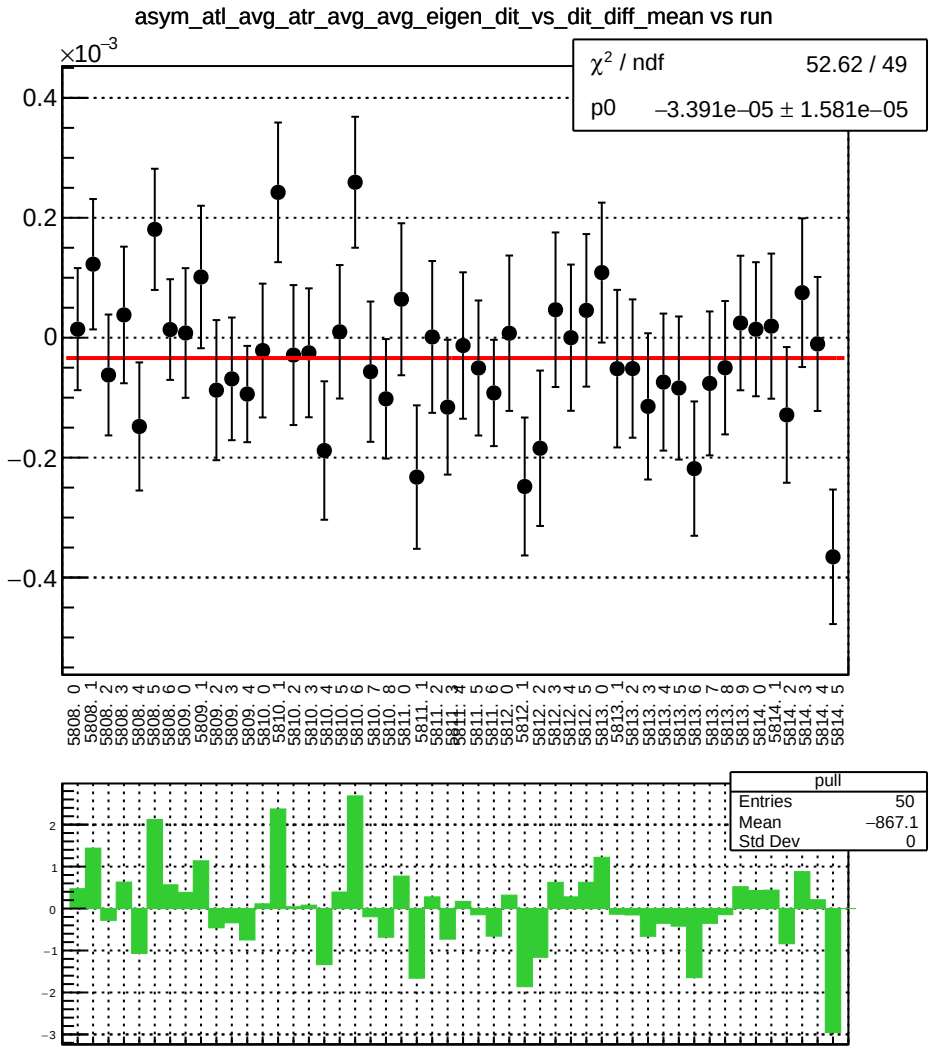
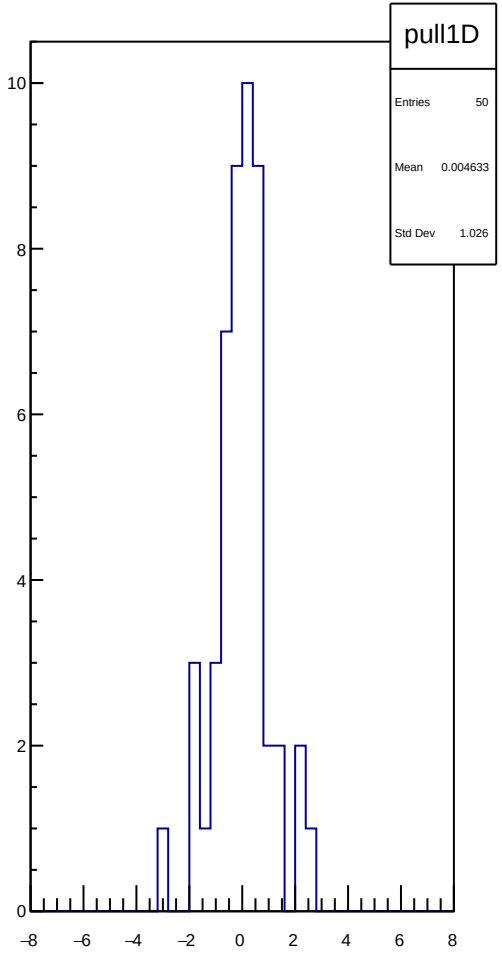
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

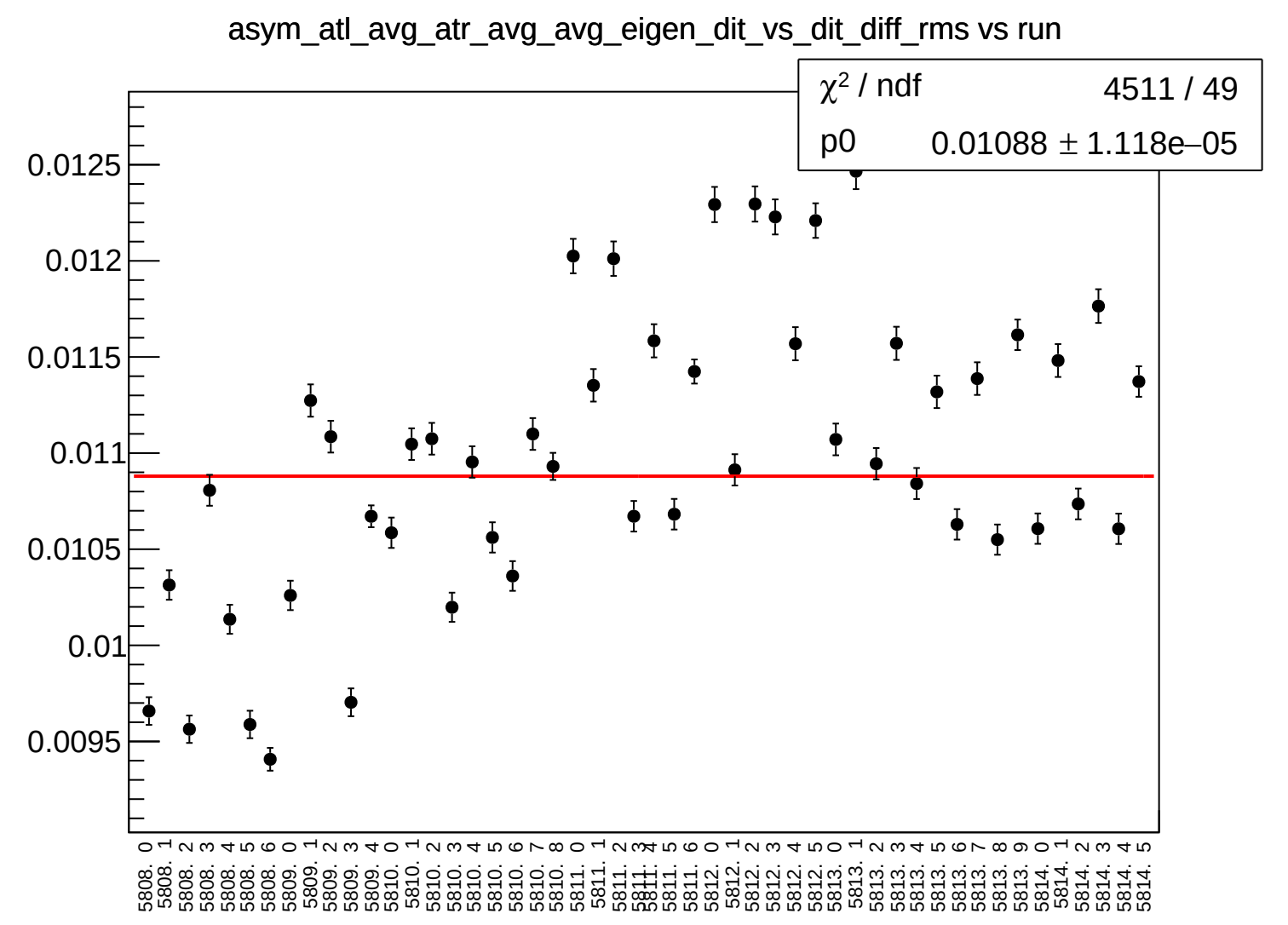

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.03 / 49
p0 0.6459 ± 0.2933
pull
Entries 50
Mean 43.57
Std Dev 0

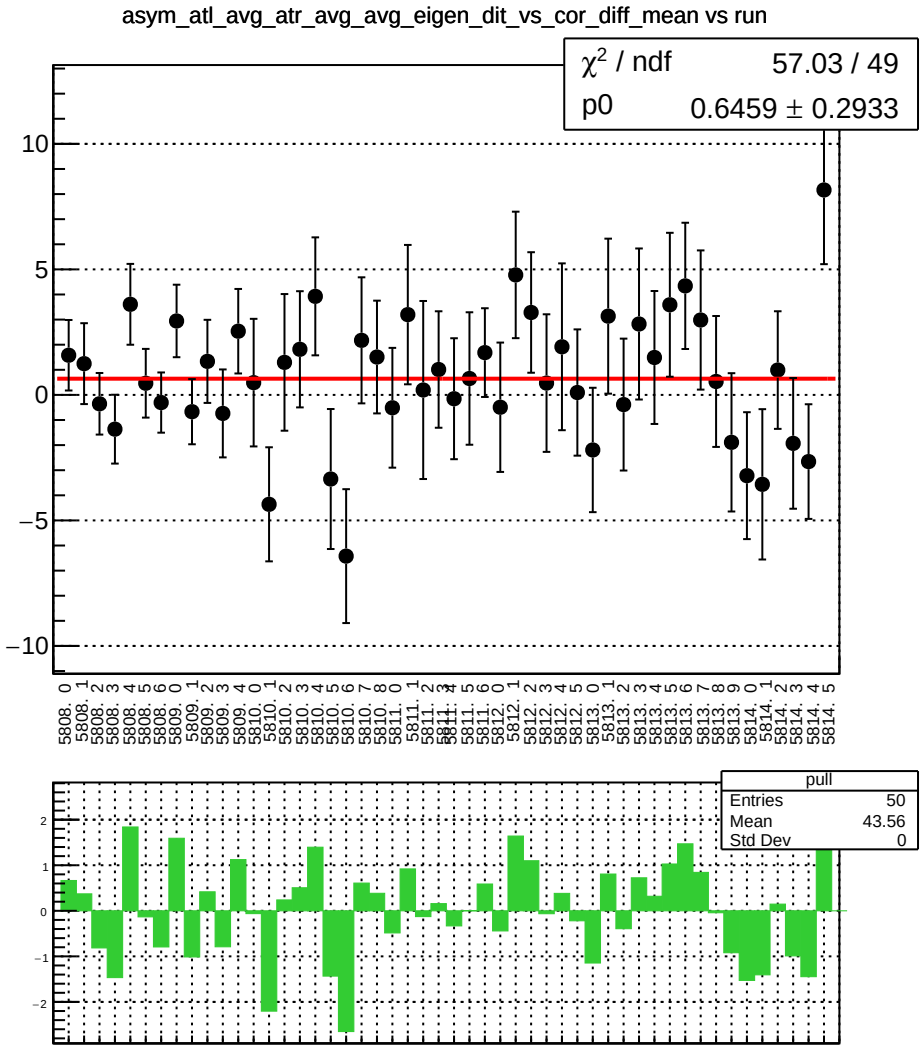

pull1D
Entries 50
Mean 0.01835
Std Dev 1.068

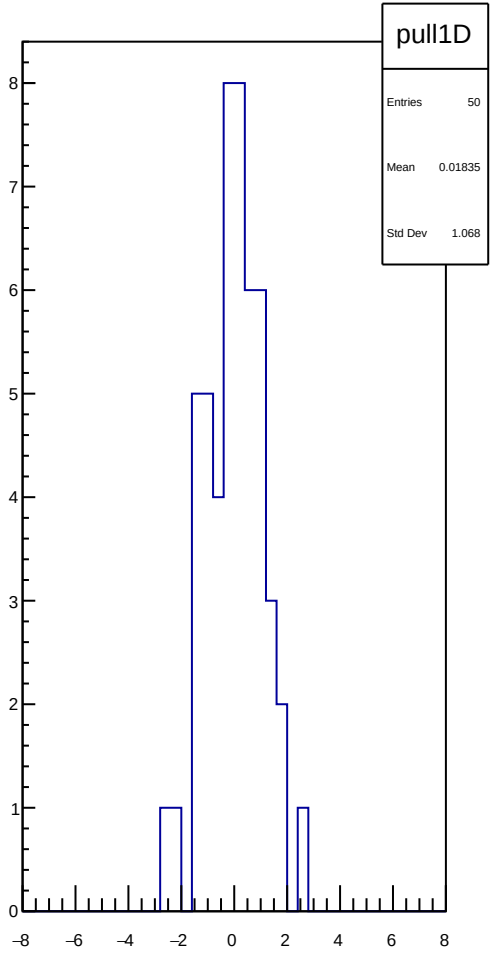

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.818e+04 / 49
p0 193.9 ± 0.2074
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

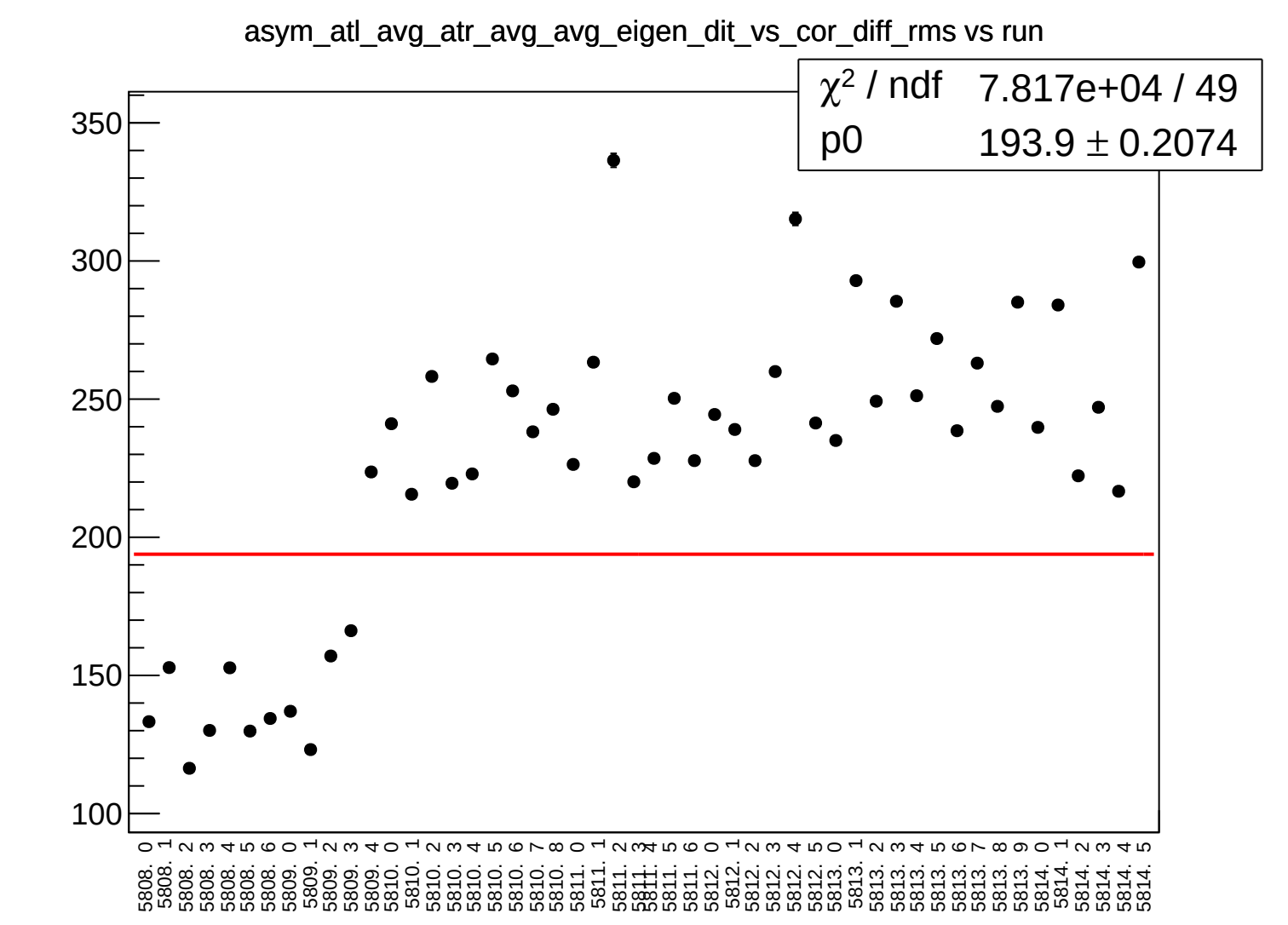

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.62 / 49
p0 −3.391e−05 ± 1.581e−05
0.4
0.2
0
−0.2
−0.4
pull
Entries 50
Mean −867.1
Std Dev 0
2
1
0
−1
−2
−3

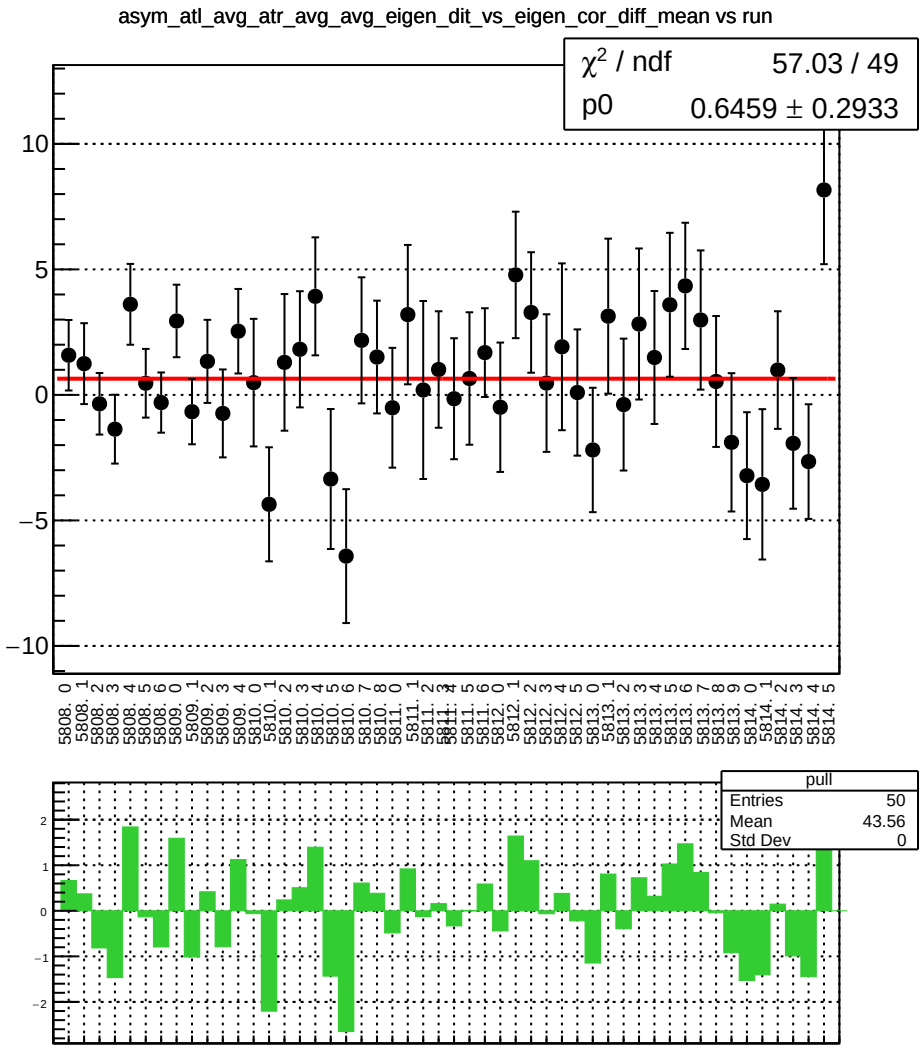

pull1D
Entries 50
Mean 0.004633
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

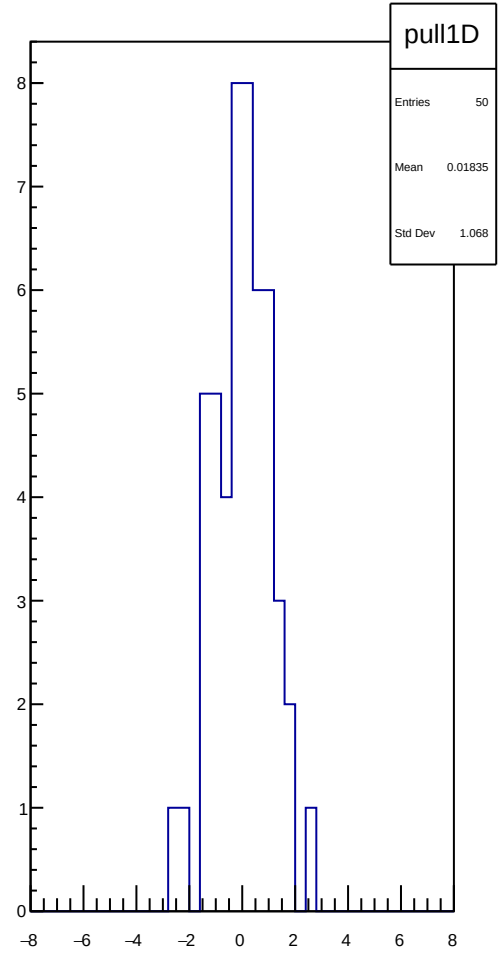

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4511 / 49
p0 0.01088 ± 1.118e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

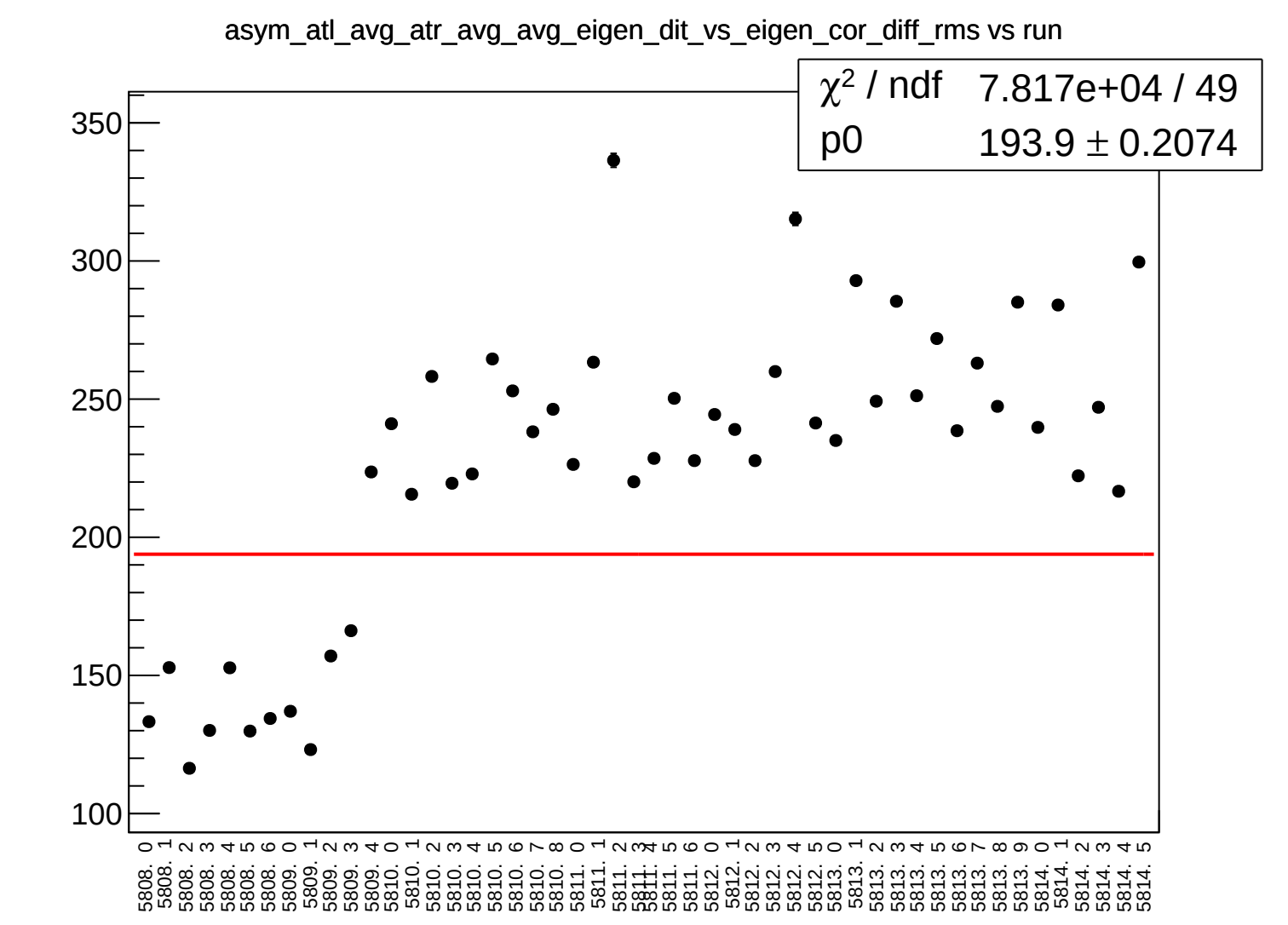

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.03 / 49
p0 0.6459 ± 0.2933
pull
Entries 50
Mean 43.56
Std Dev 0

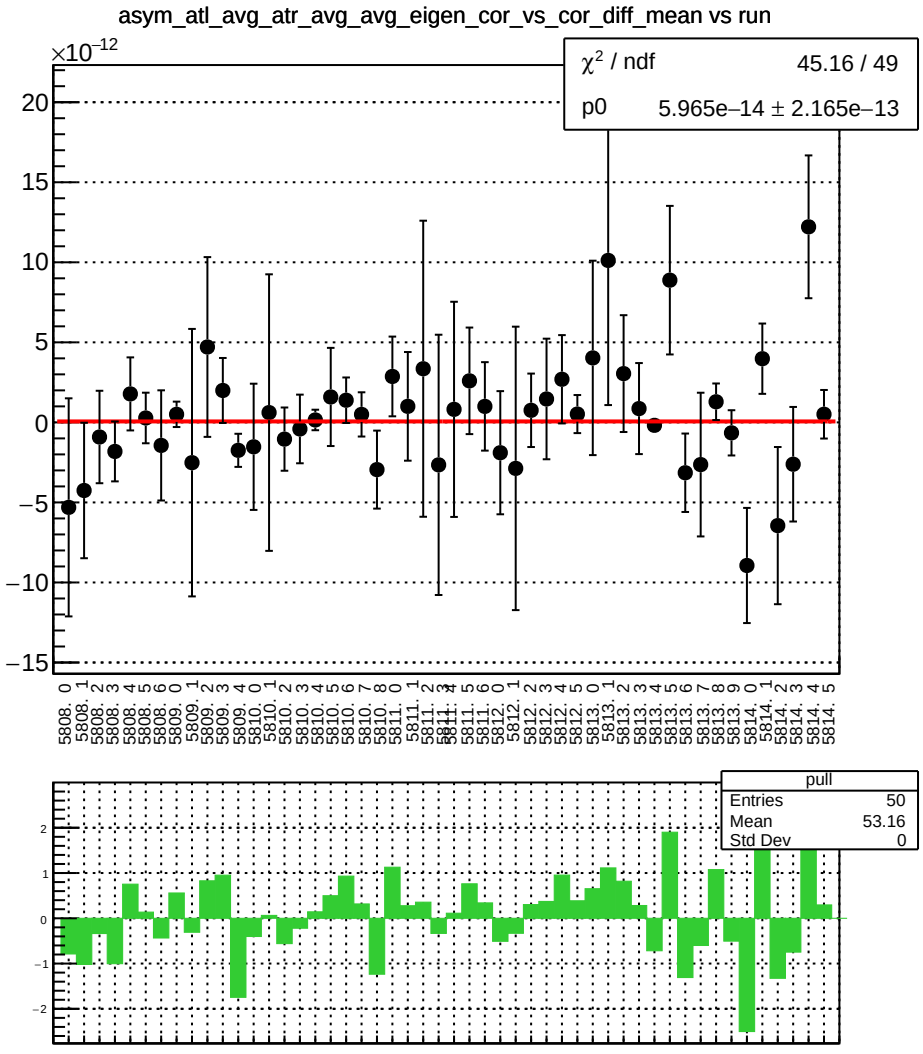

pull1D
Entries 50
Mean 0.01835
Std Dev 1.068

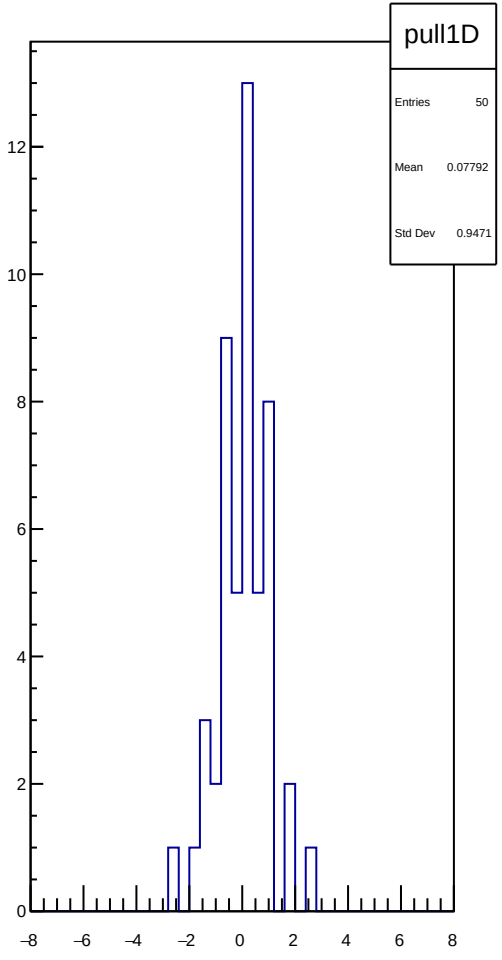

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.817e+04 / 49
p0 193.9 ± 0.2074
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

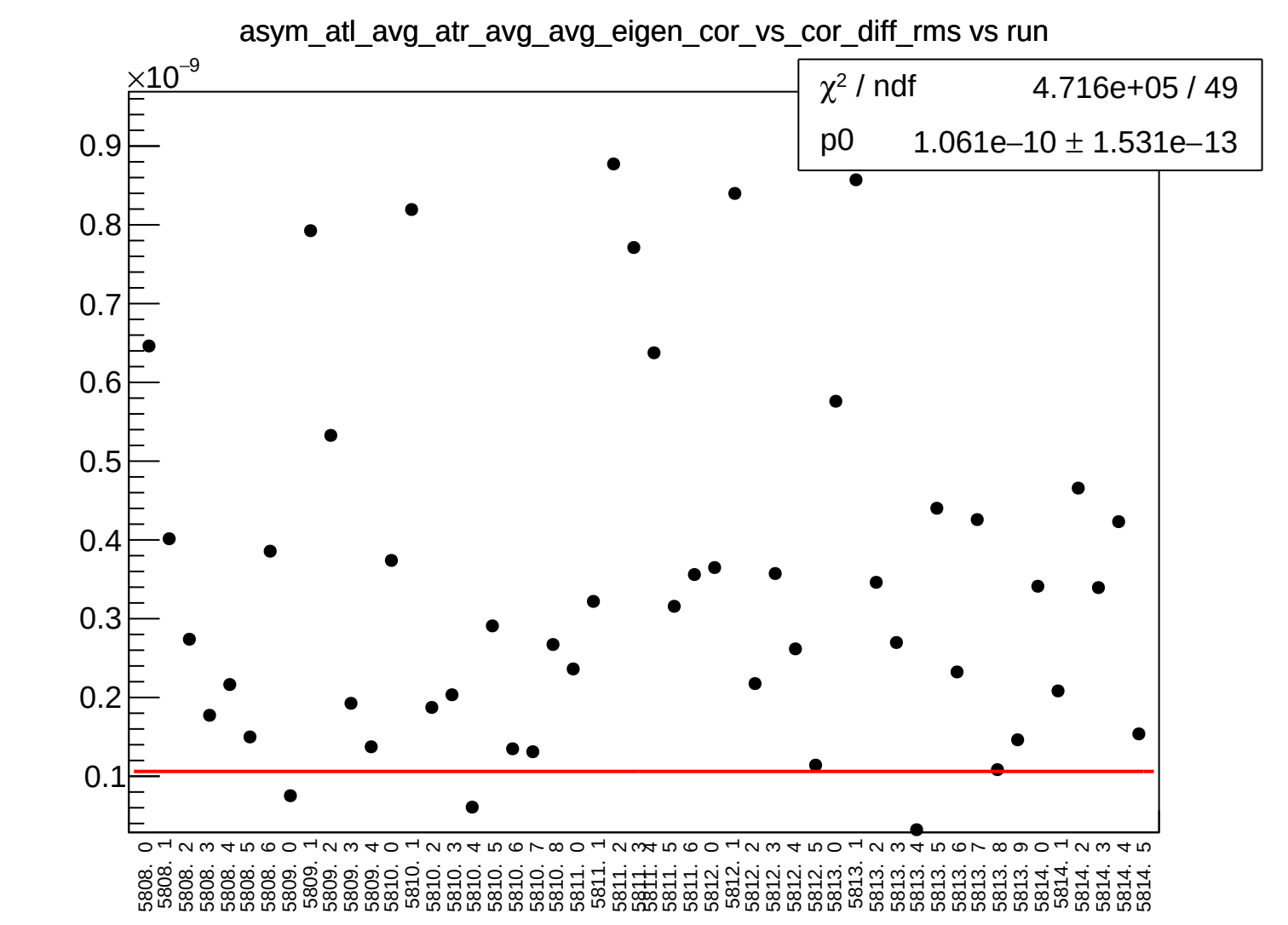

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.03 / 49
p0 0.6459 ± 0.2933
pull
Entries 50
Mean 43.56
Std Dev 0

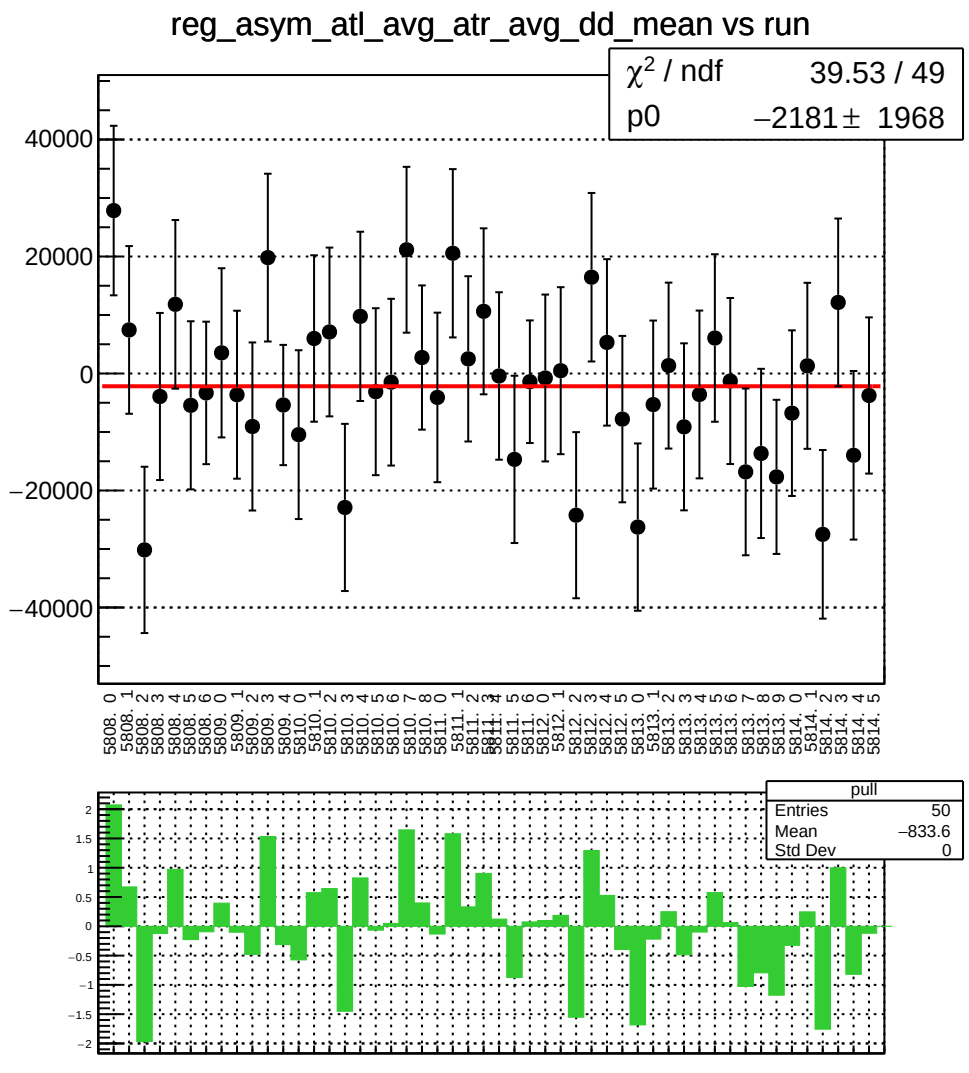

pull1D
Entries 50
Mean 0.01835
Std Dev 1.068

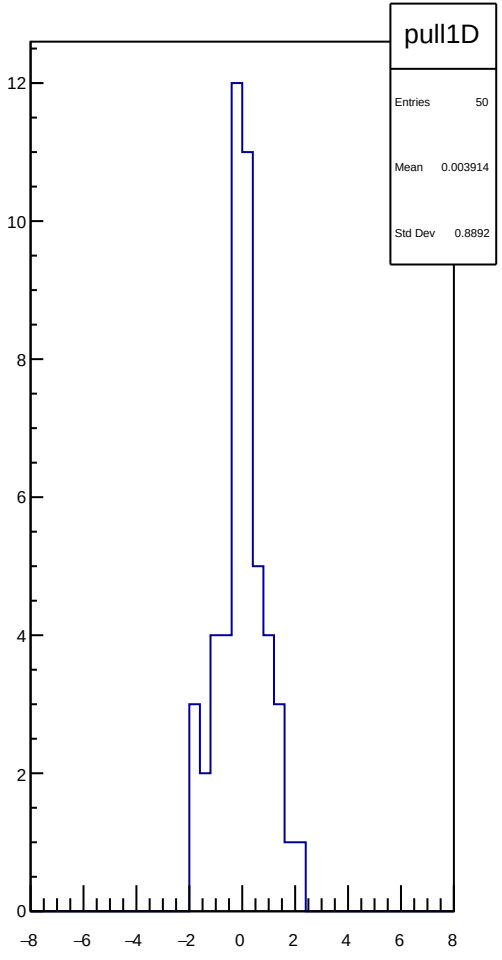

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.817e+04 / 49
p0 193.9 ± 0.2074
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

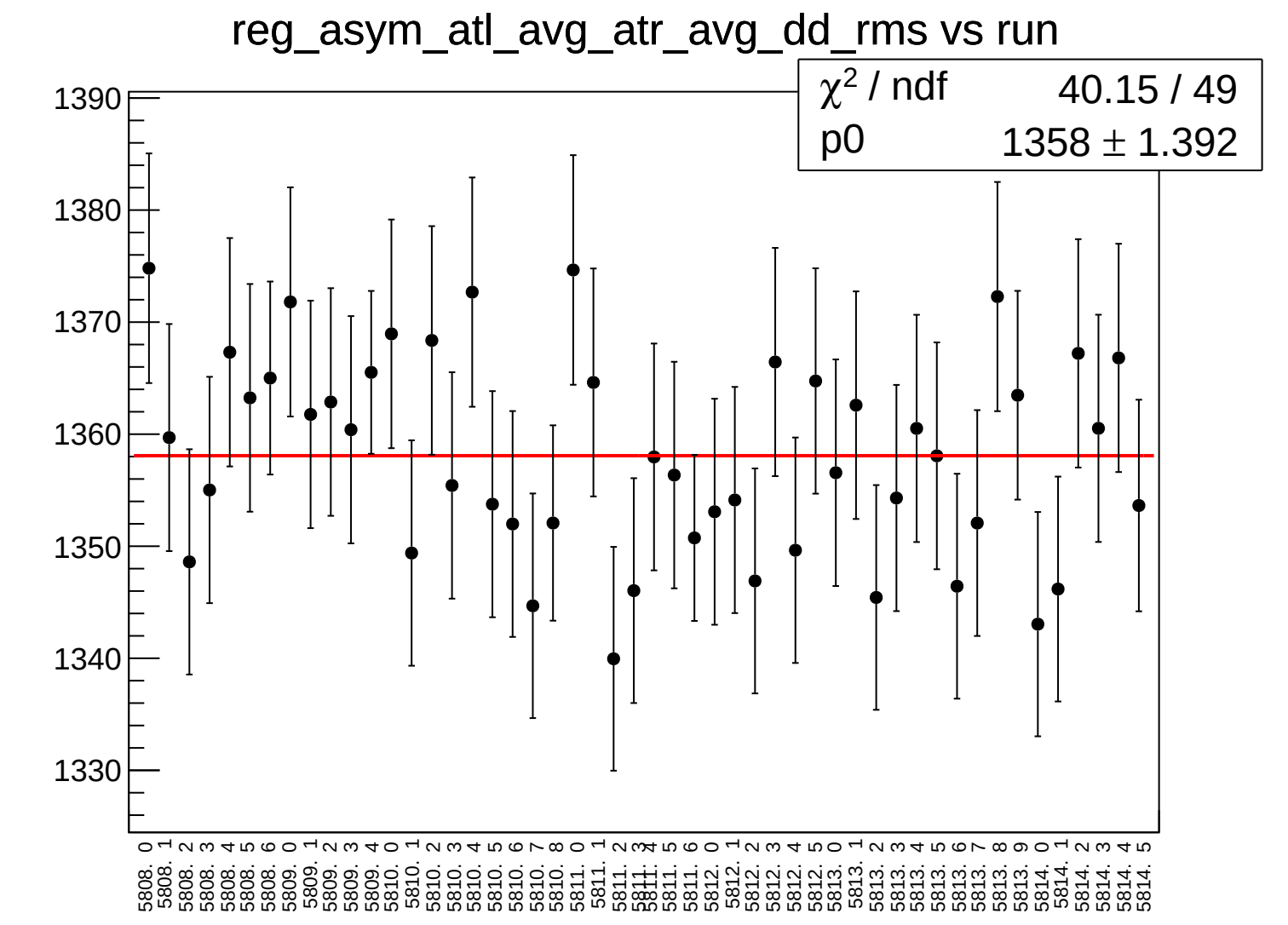

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.16 / 49
p0 5.965e−14 ± 2.165e−13
pull
Entries 50
Mean 53.16
Std Dev 0

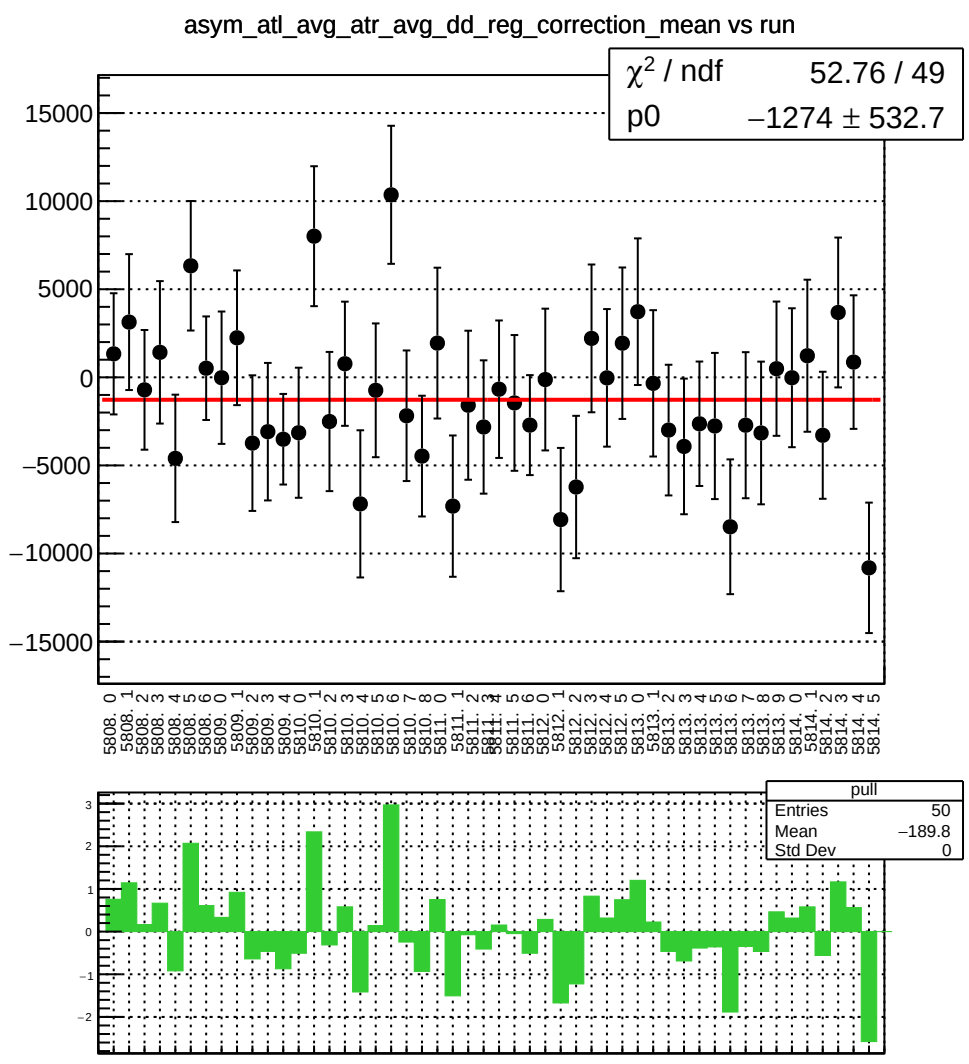

pull1D
Entries 50
Mean 0.07792
Std Dev 0.9471

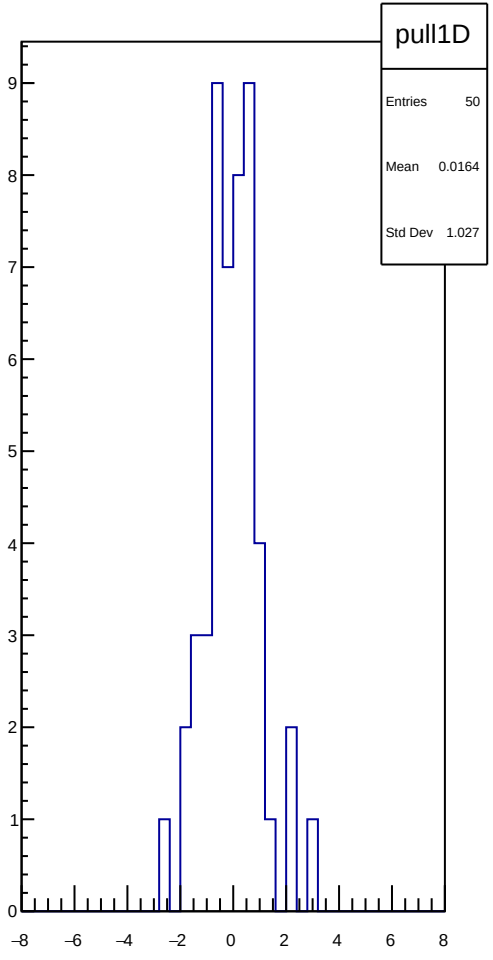

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.716e+05 / 49
p0 1.061e−10 ± 1.531e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

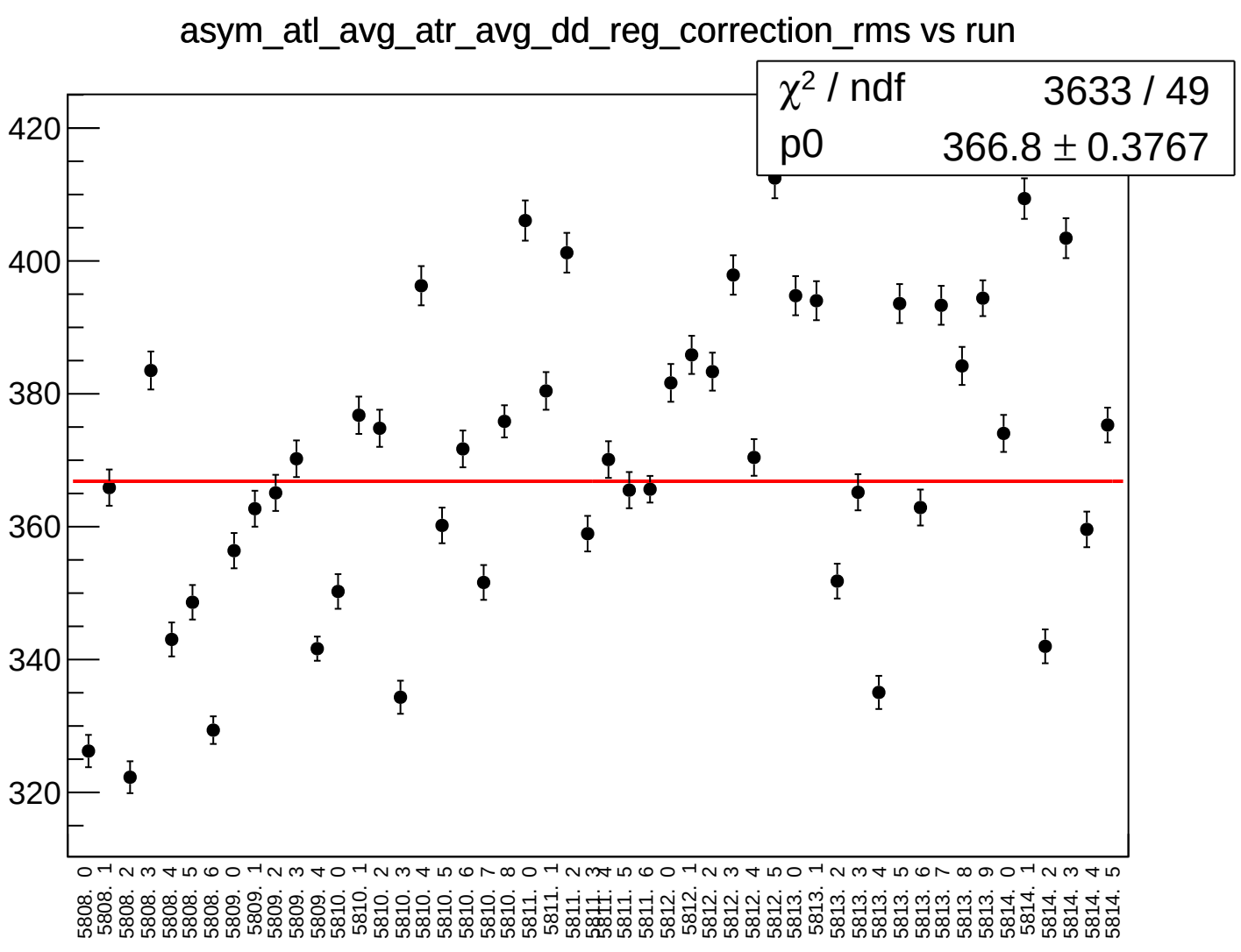

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0

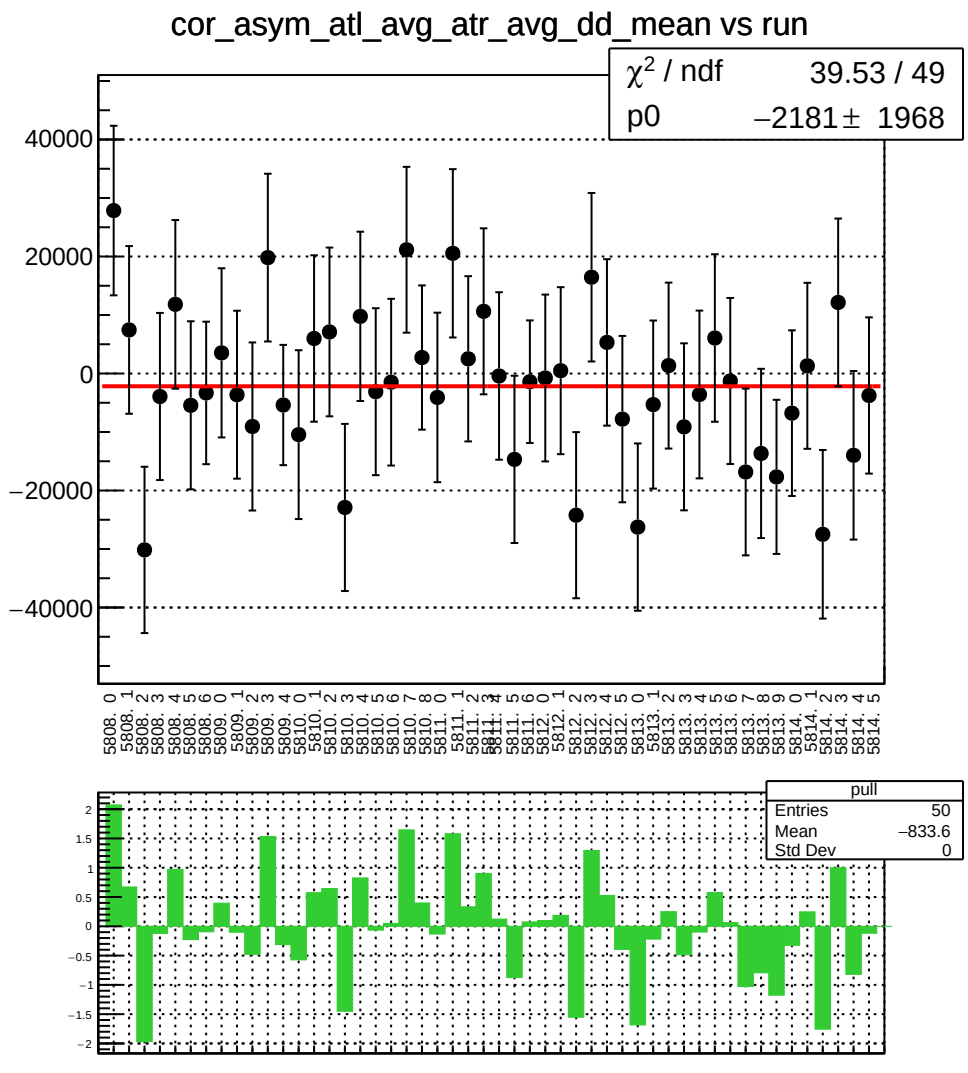

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8892

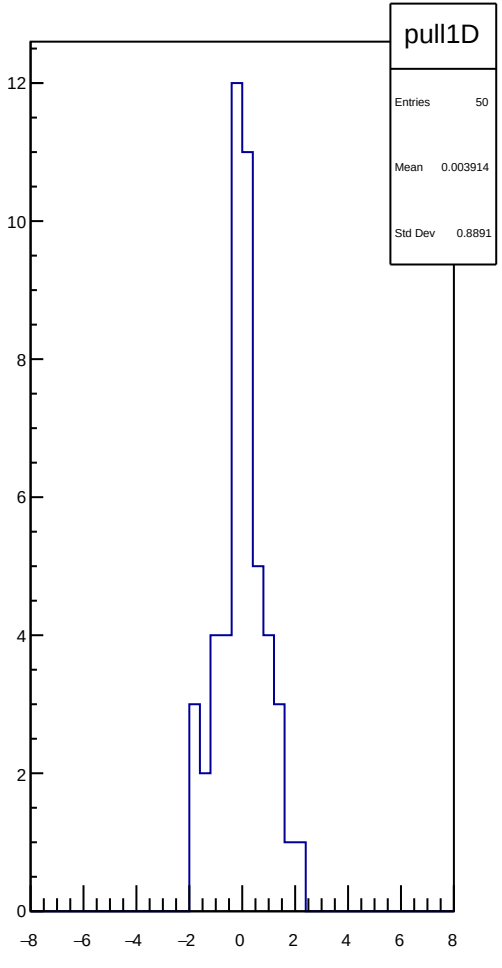

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

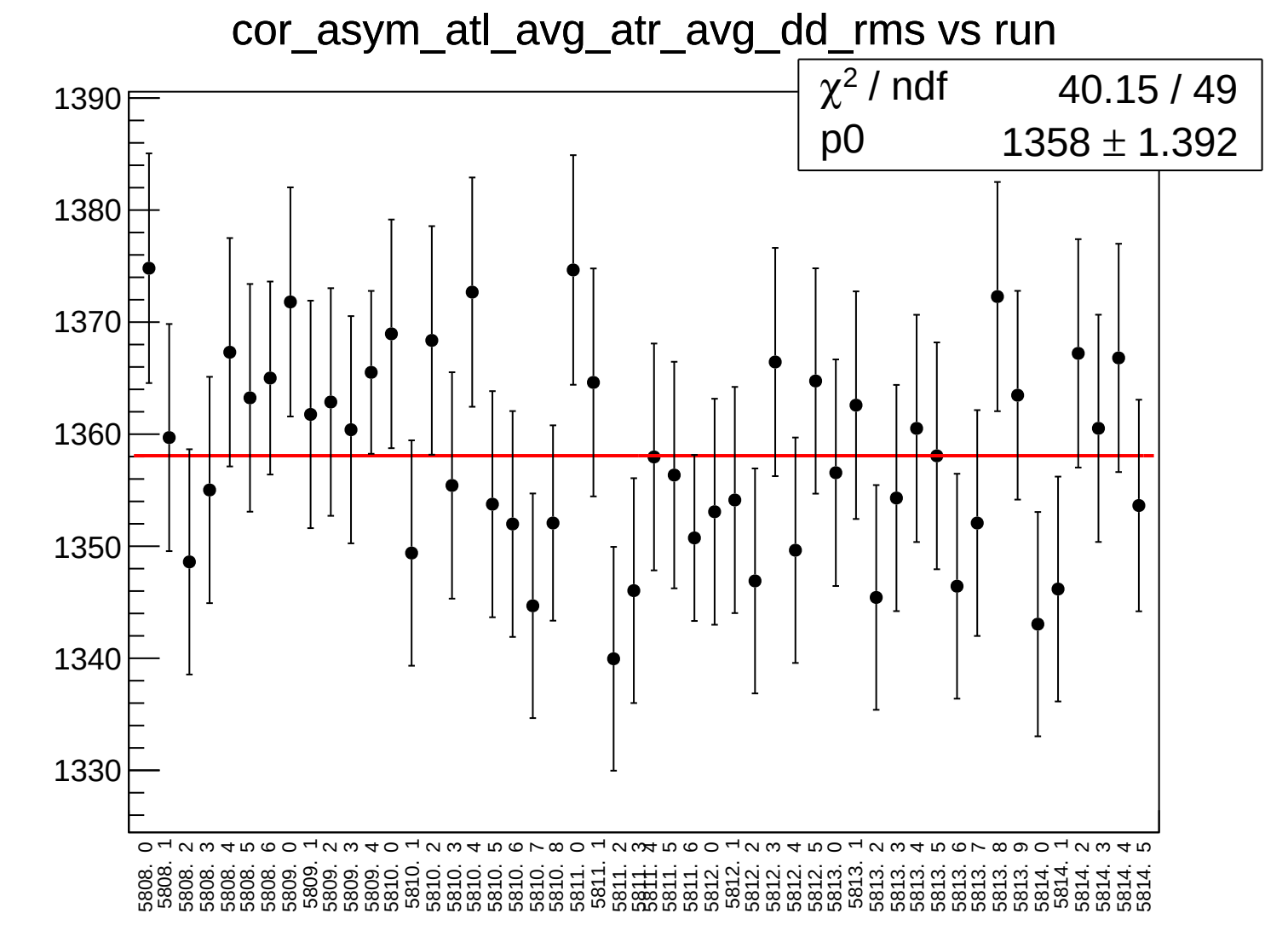

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −189.8
Std Dev 0
3
2
1
0
−1
−2

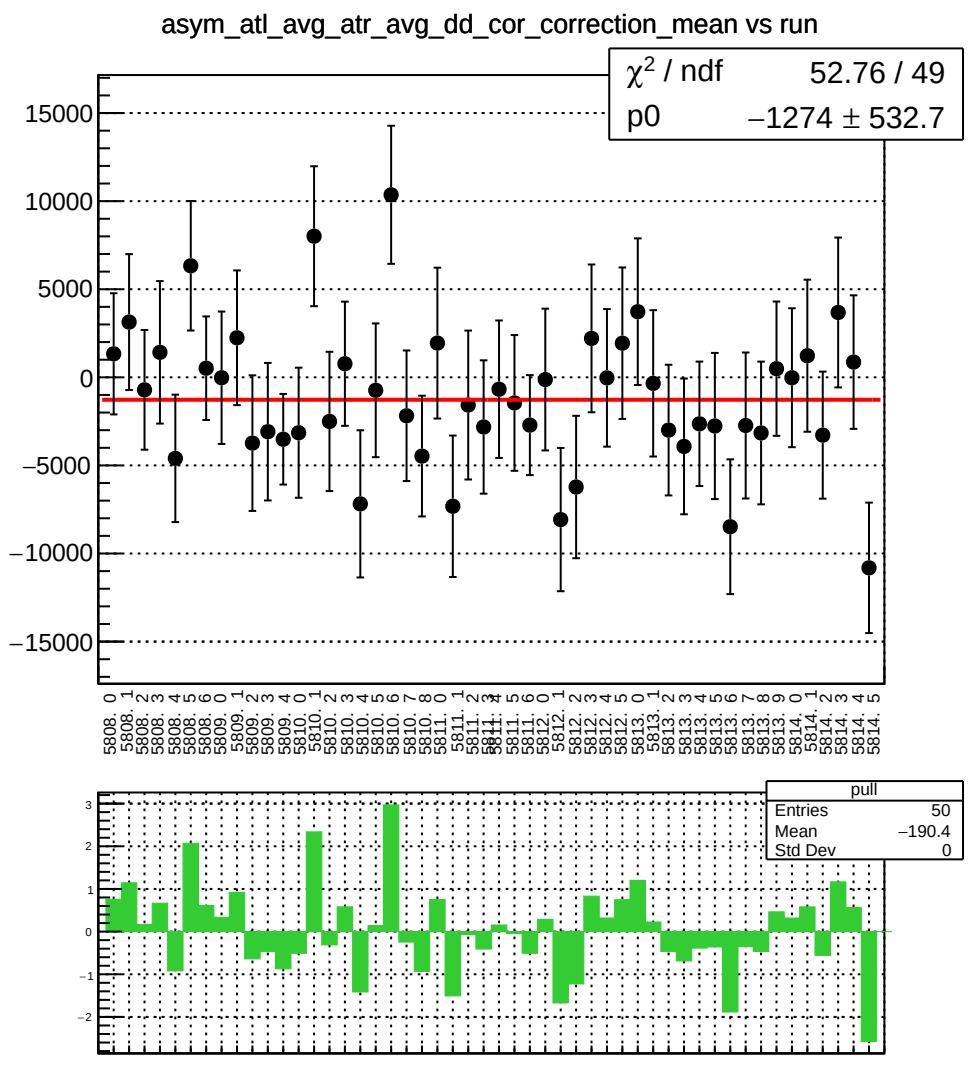

pull1D
Entries 50
Mean 0.0164
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

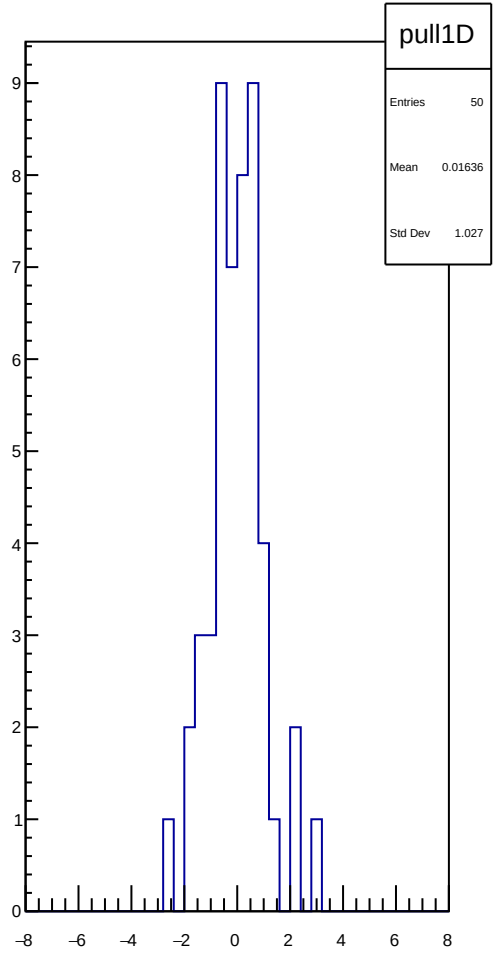

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 3633 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

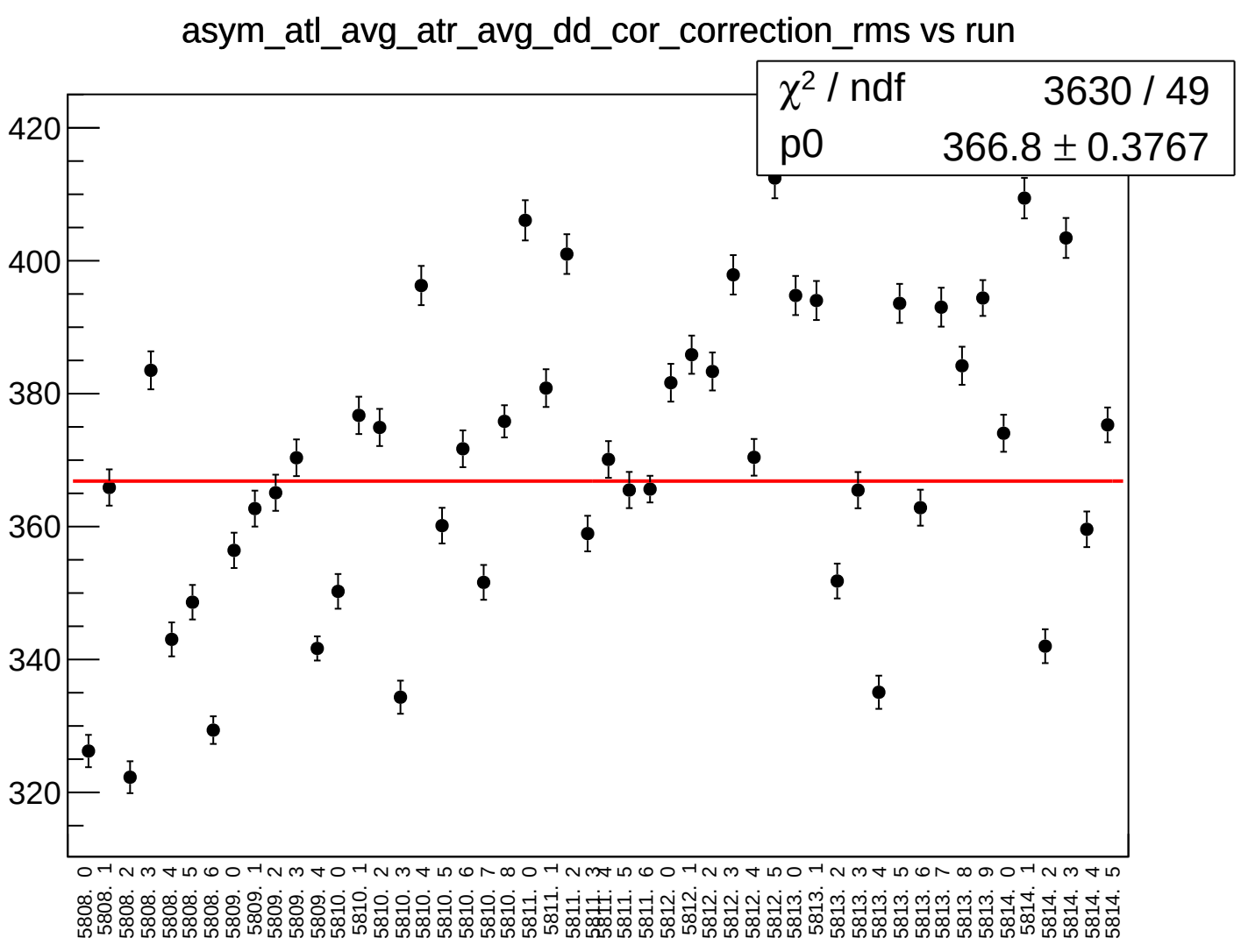

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

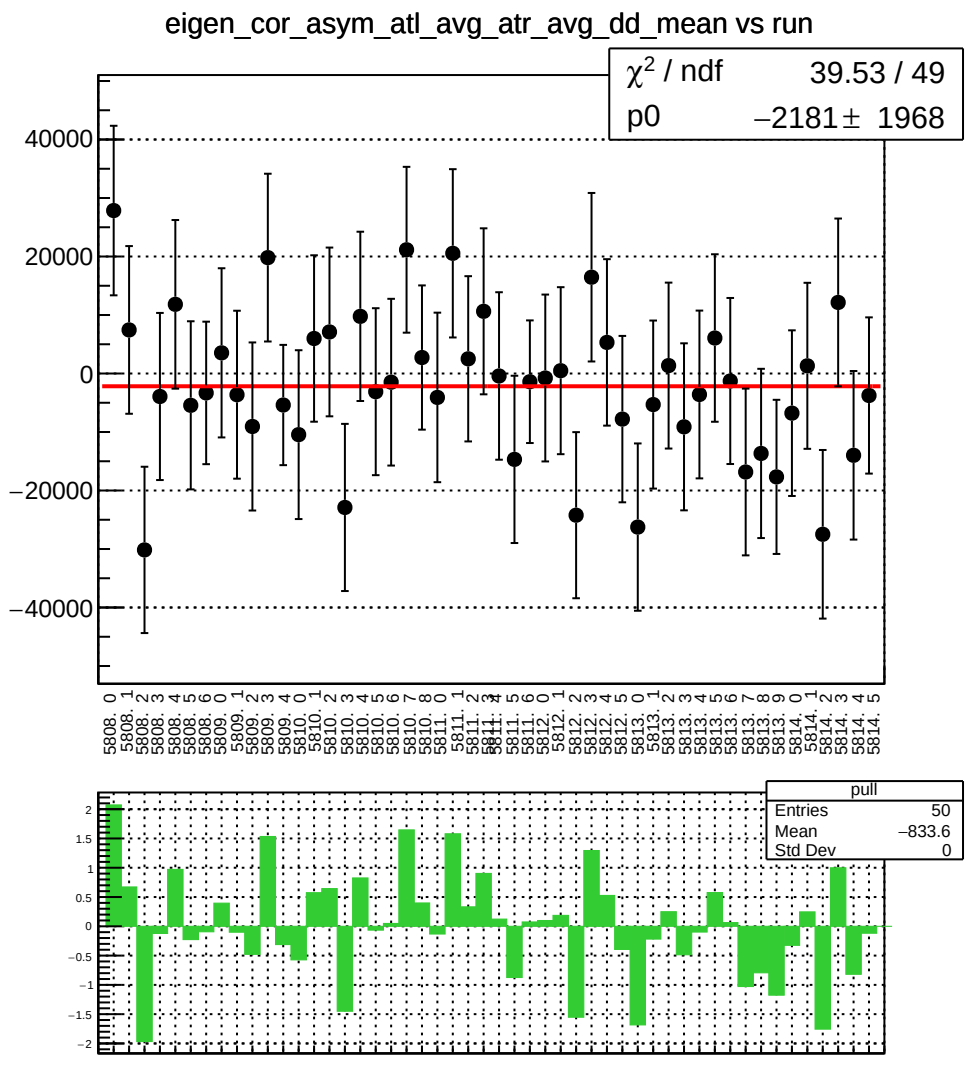

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8891
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

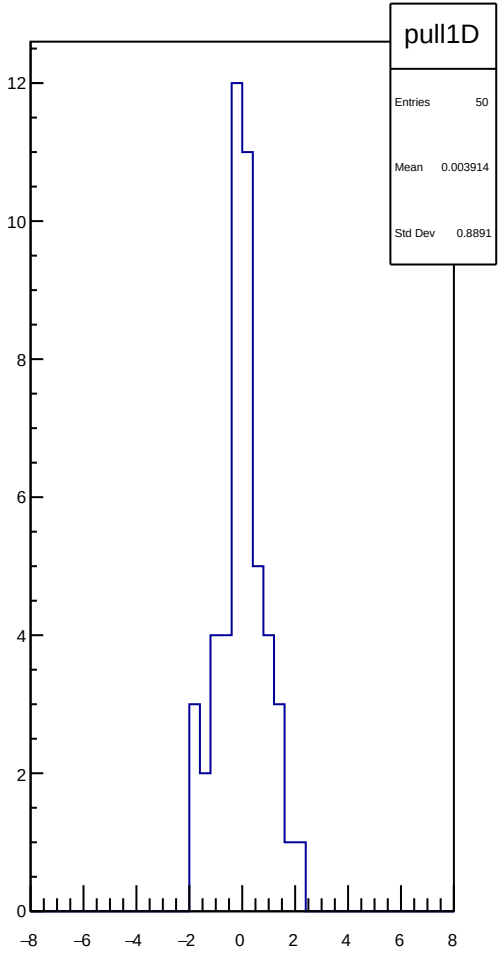

cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

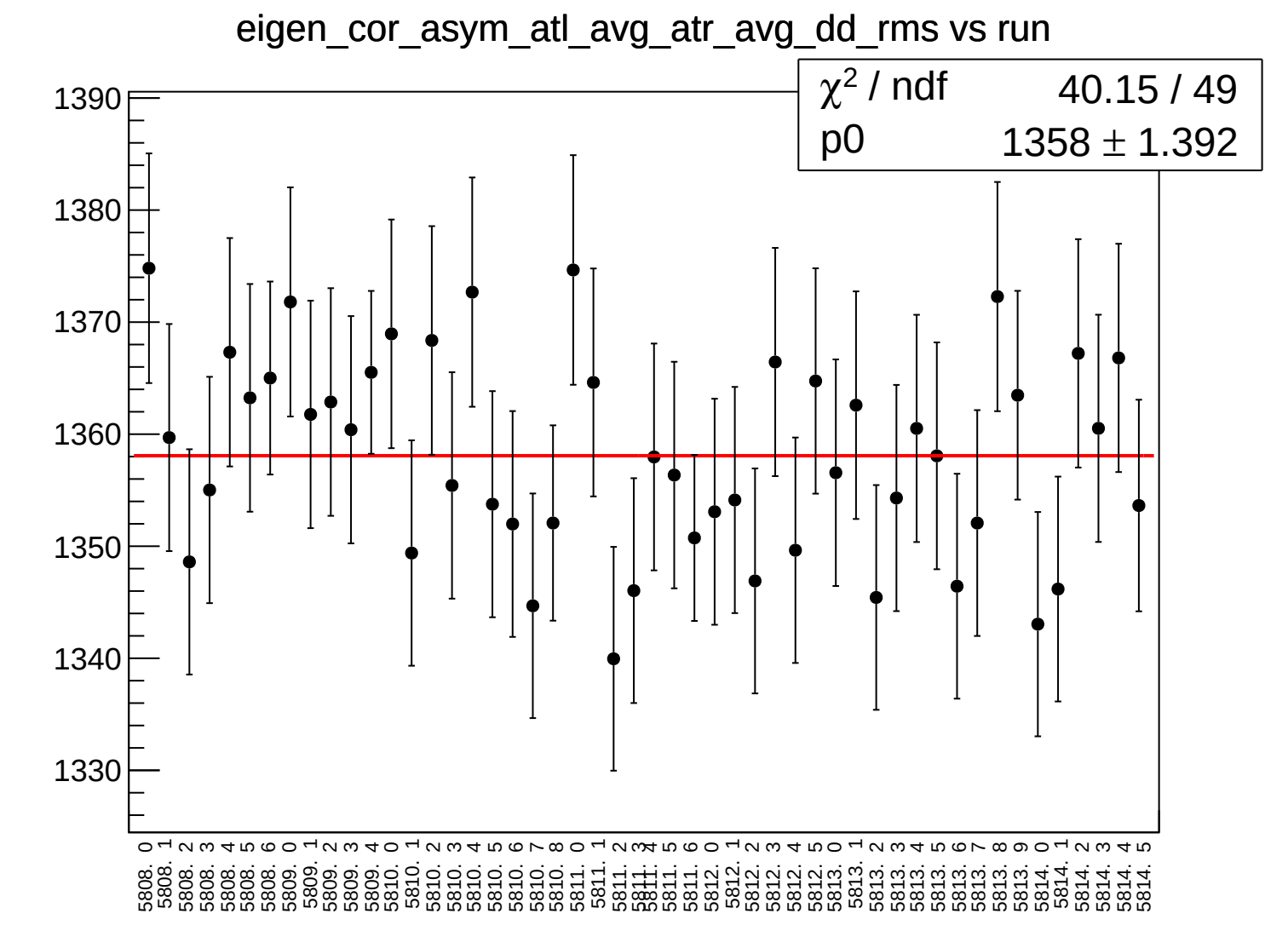

asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −190.4
Std Dev 0
3
2
1
0
−1
−2

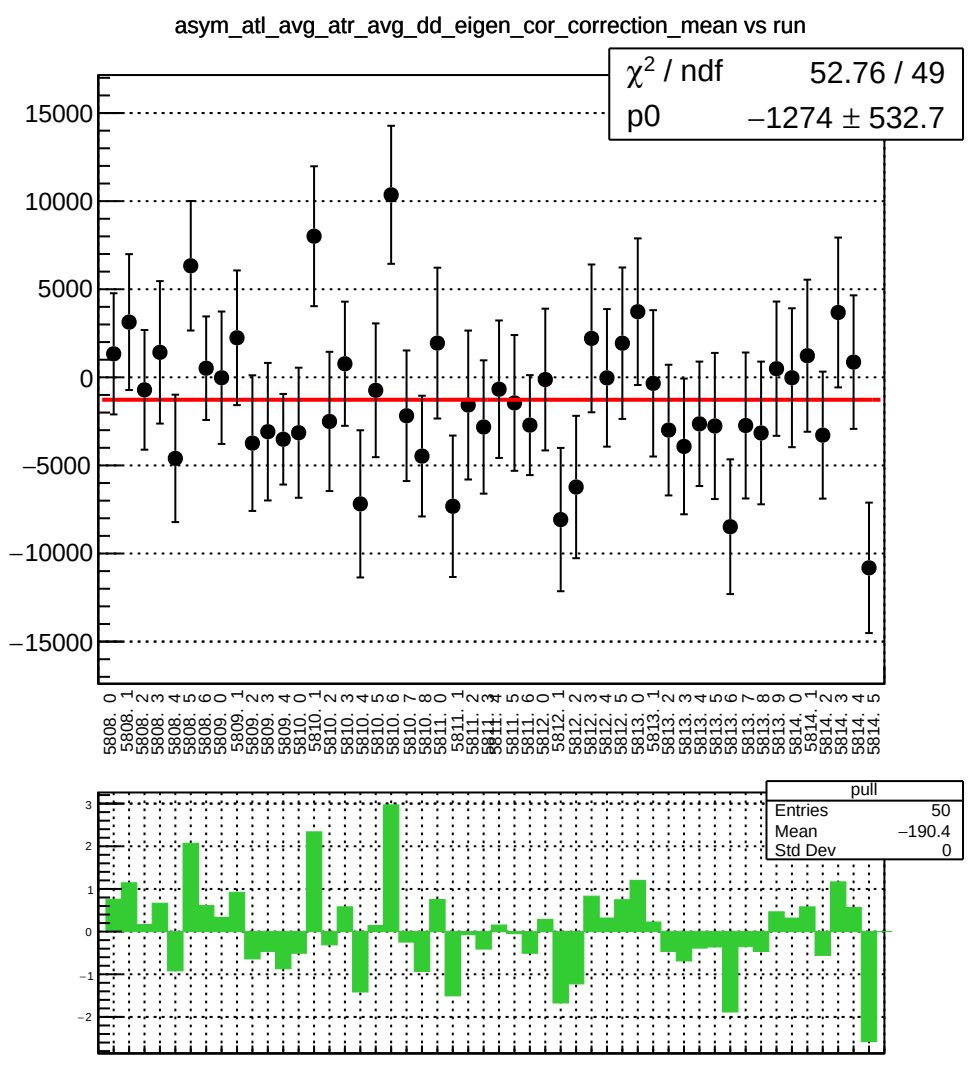

pull1D
Entries 50
Mean 0.01636
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

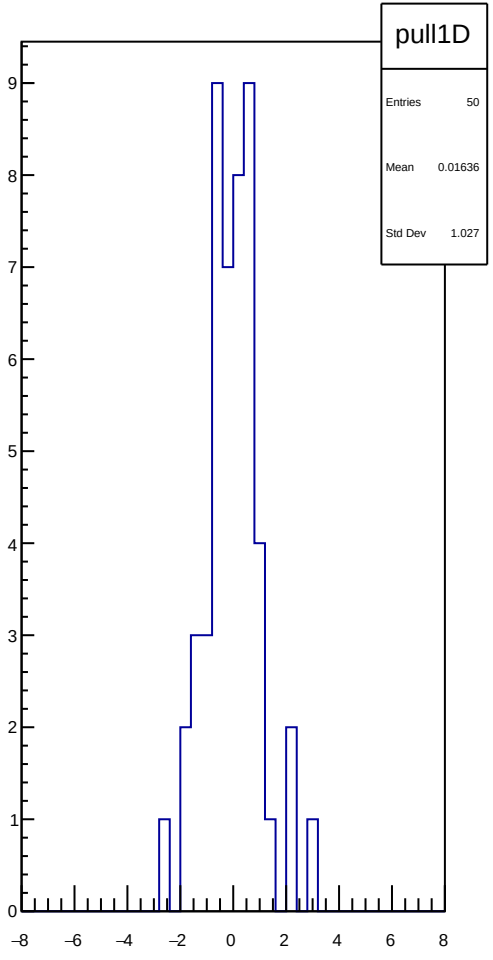

asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 3630 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

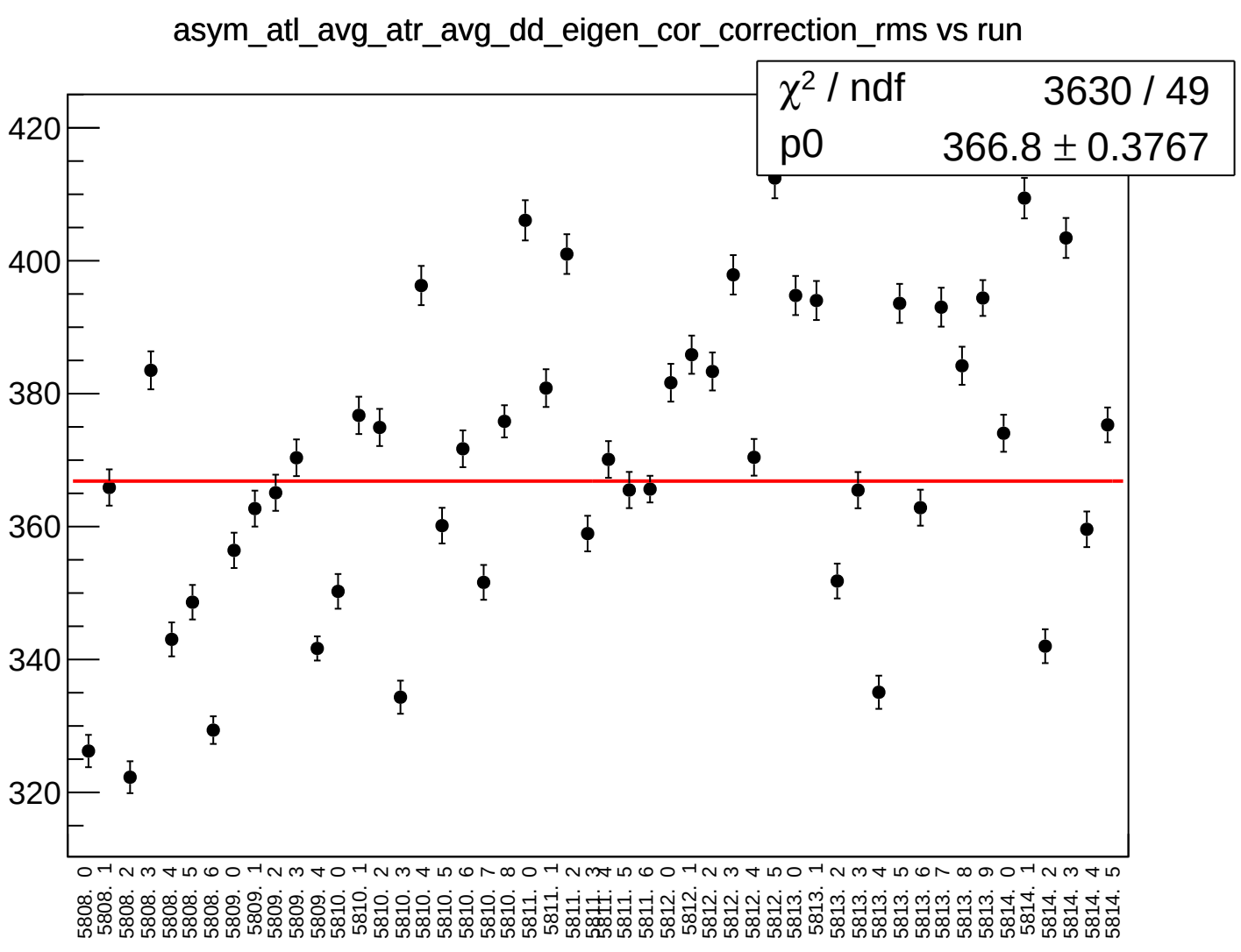

eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

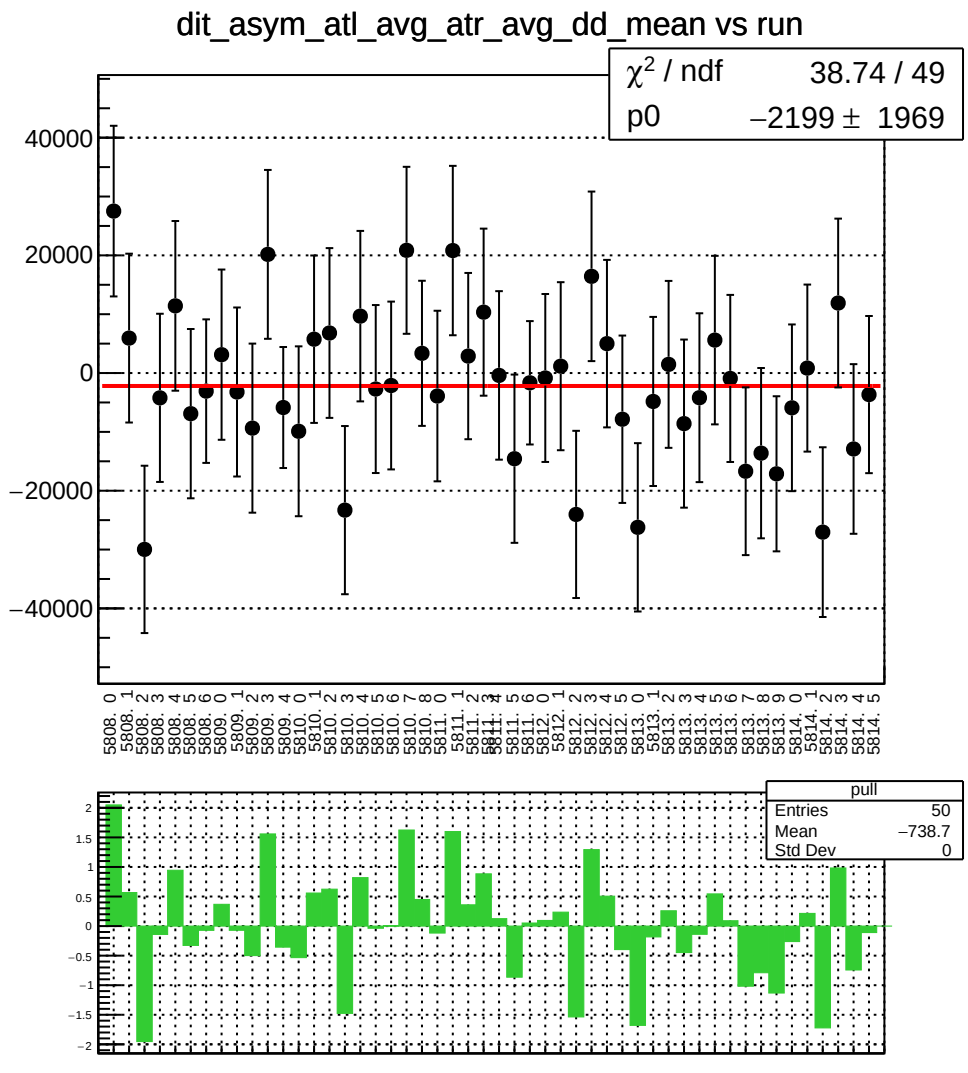

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8891
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

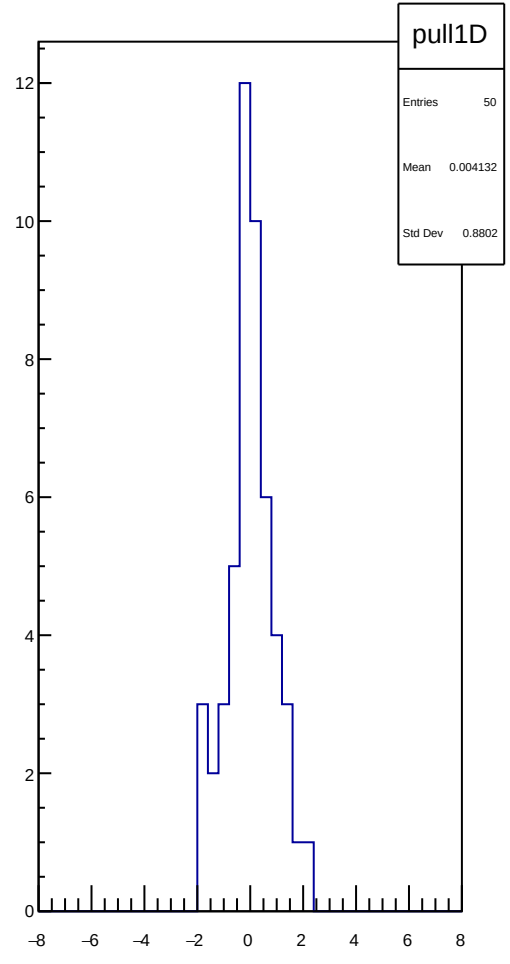

eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

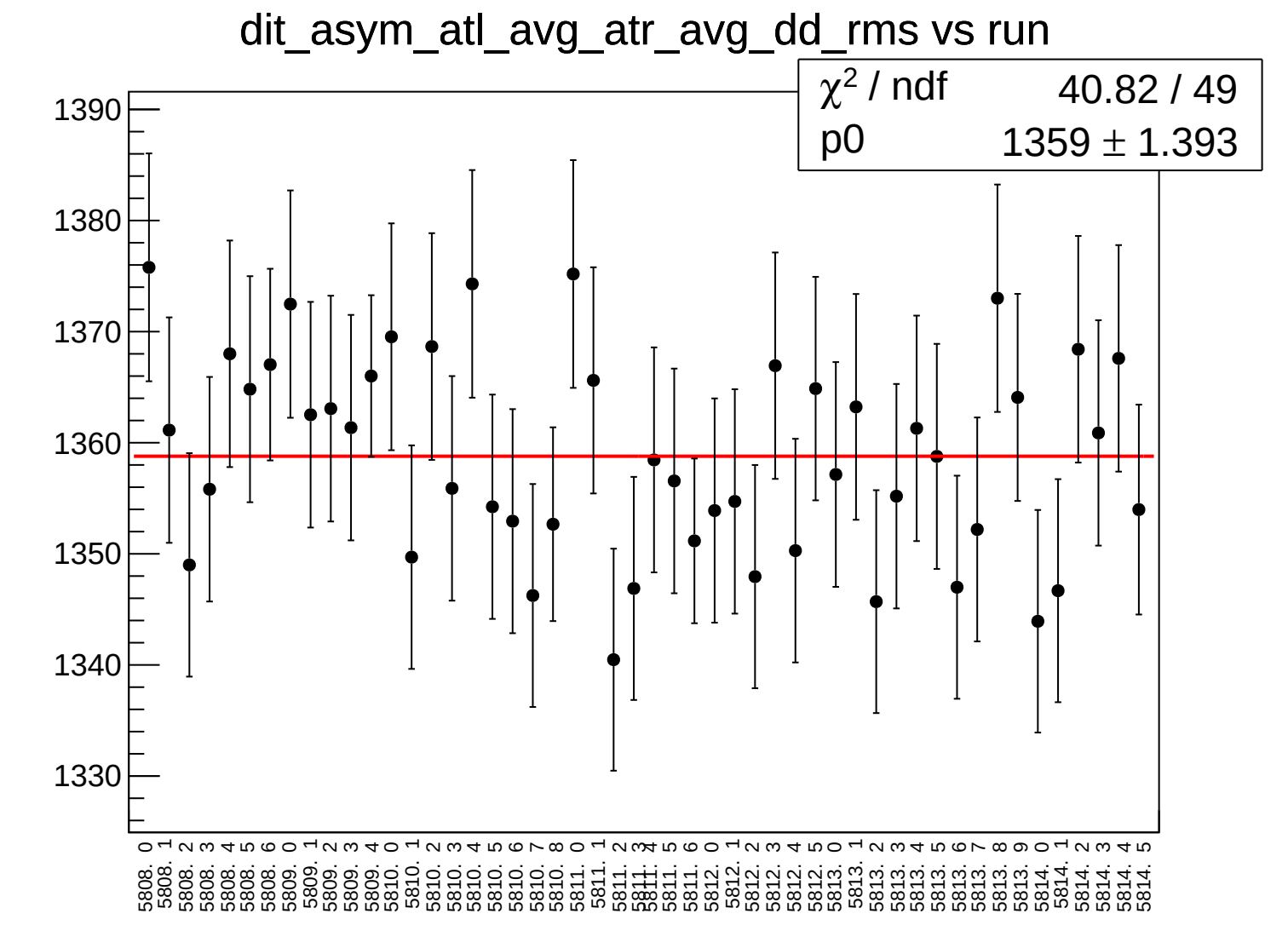

asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −190.4
Std Dev 0
3
2
1
0
−1
−2

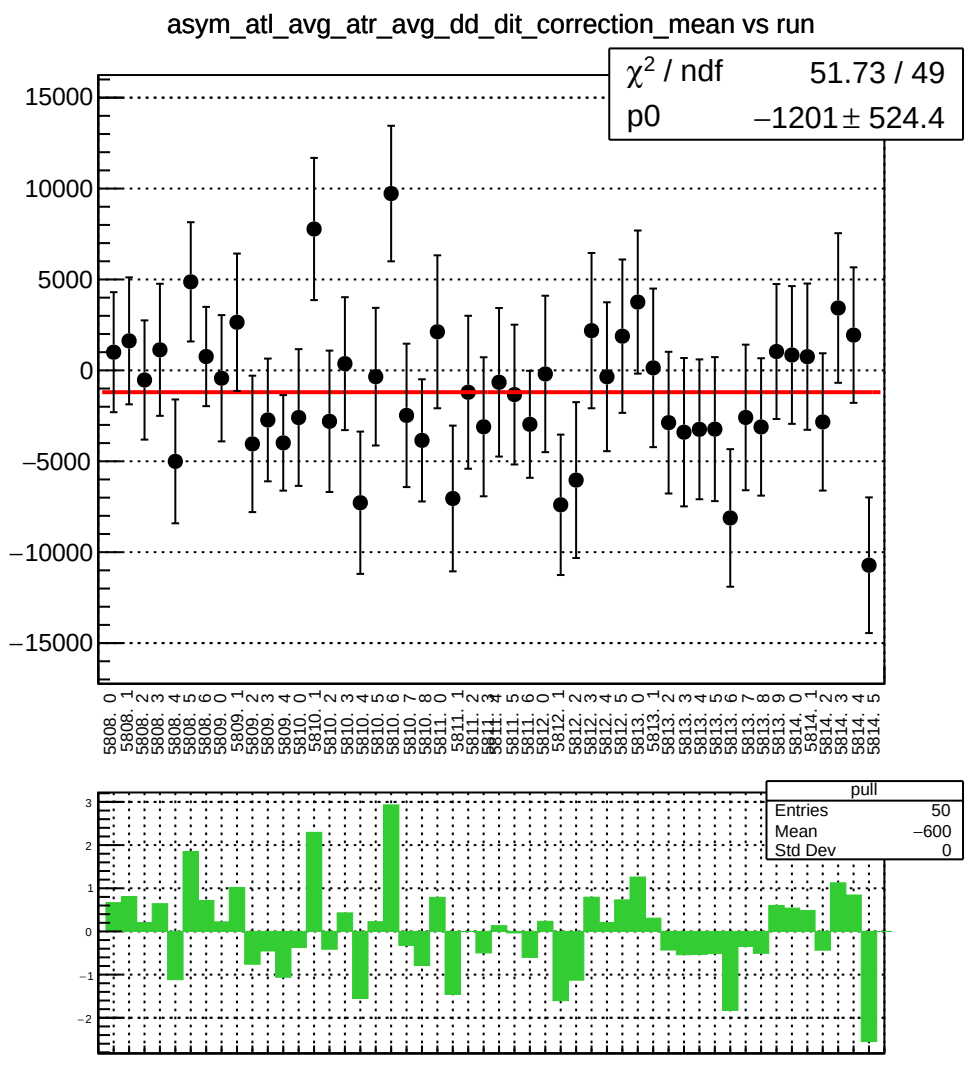

pull1D
Entries 50
Mean 0.01636
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

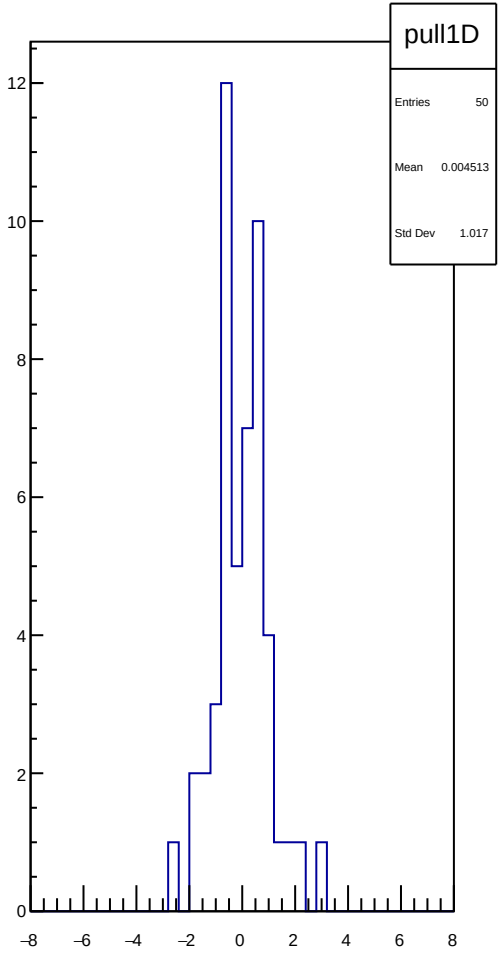

asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 3630 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

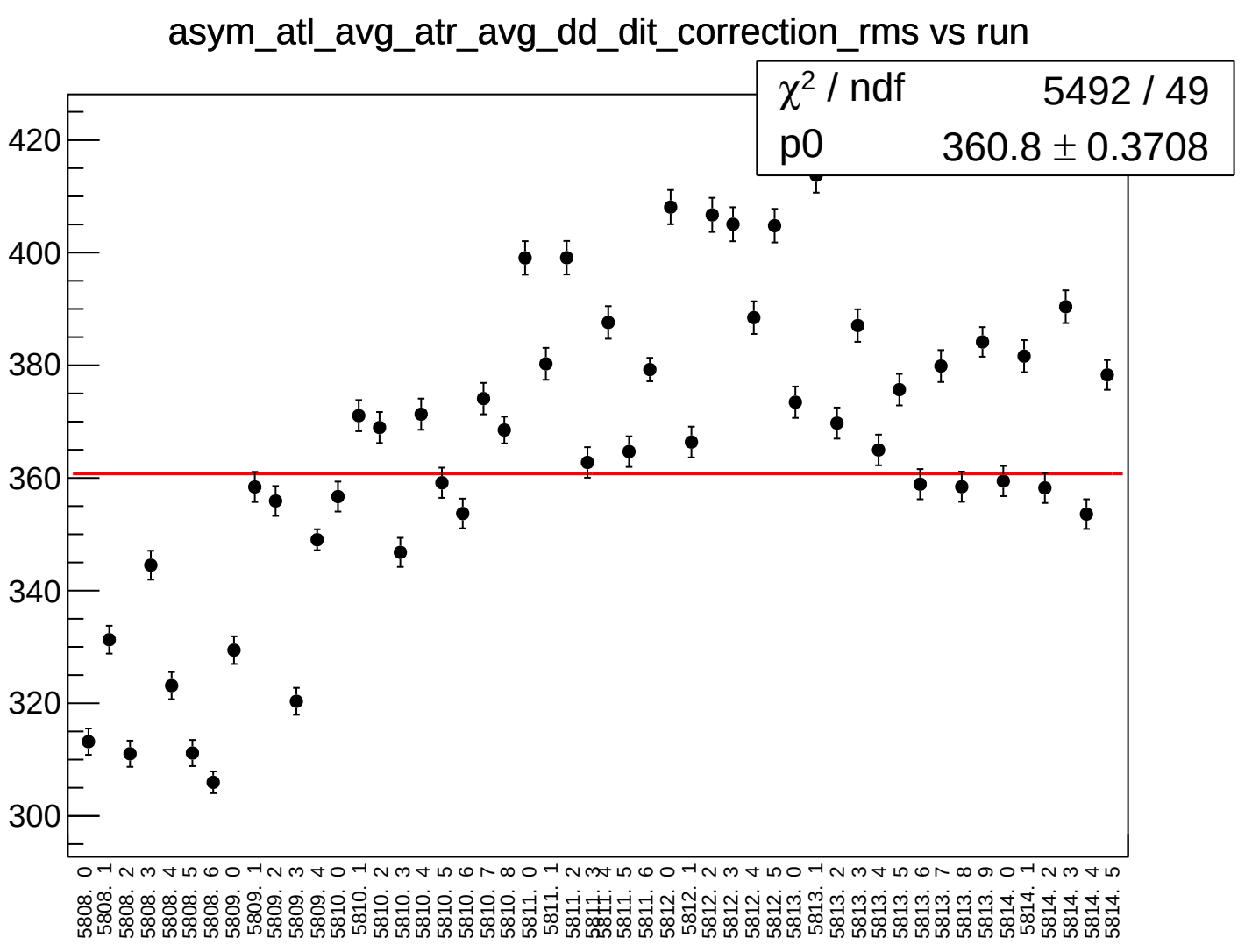

dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 38.74 / 49
p0 −2199 ± 1969
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −738.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

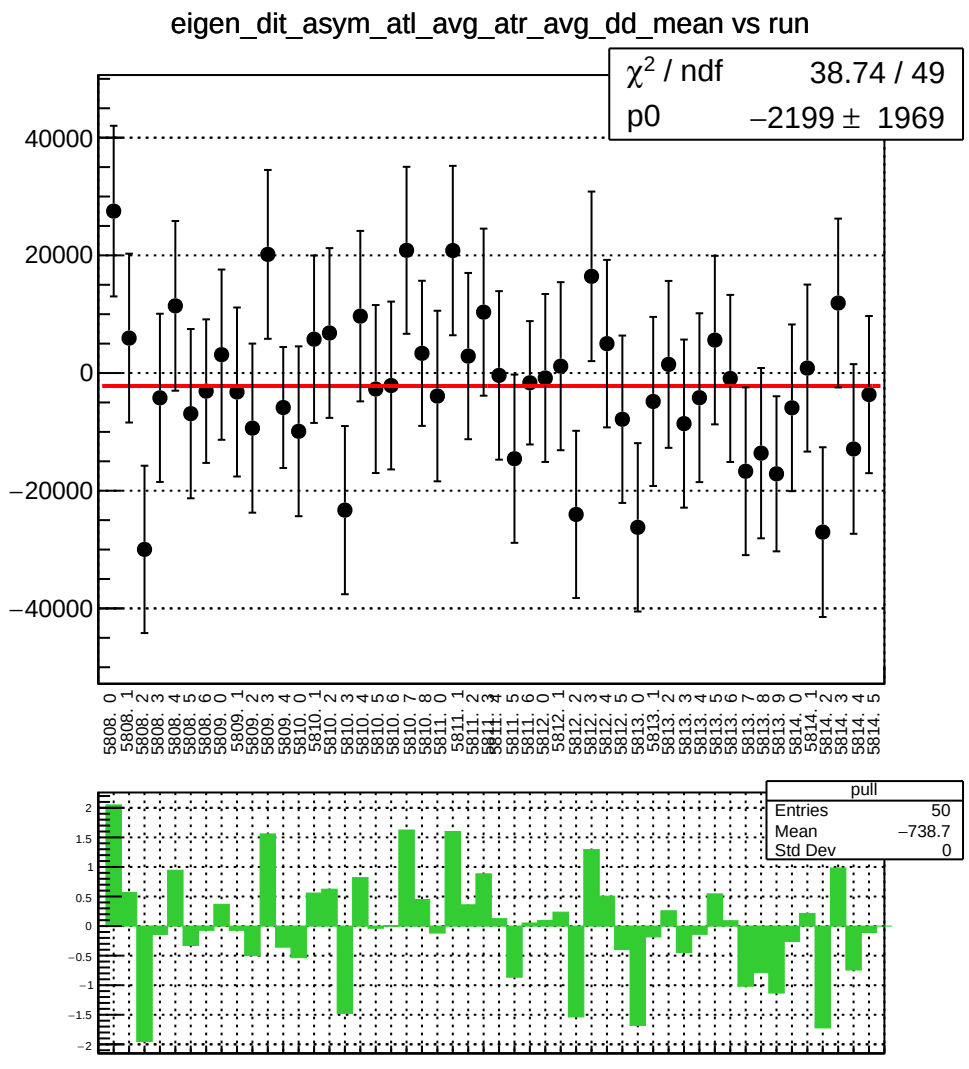

pull1D
Entries 50
Mean 0.004132
Std Dev 0.8802
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

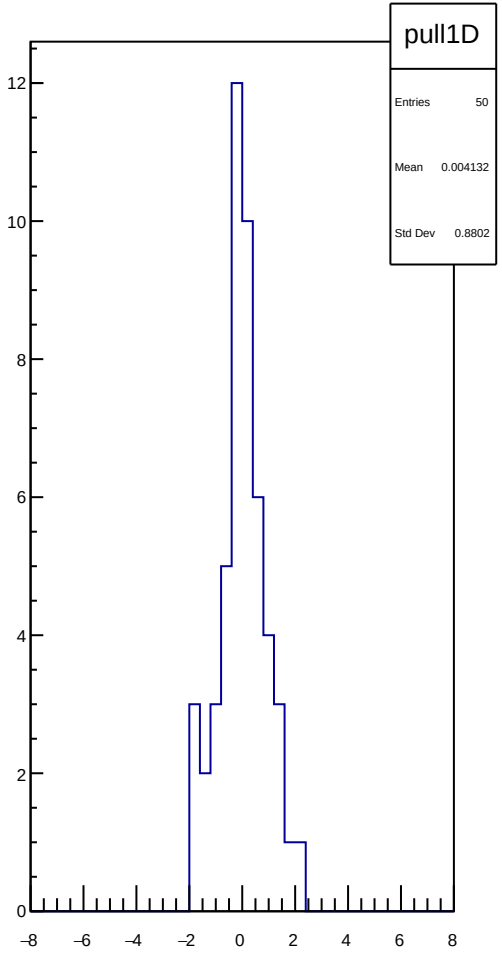

dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 40.82 / 49
p0 1359 ± 1.393
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

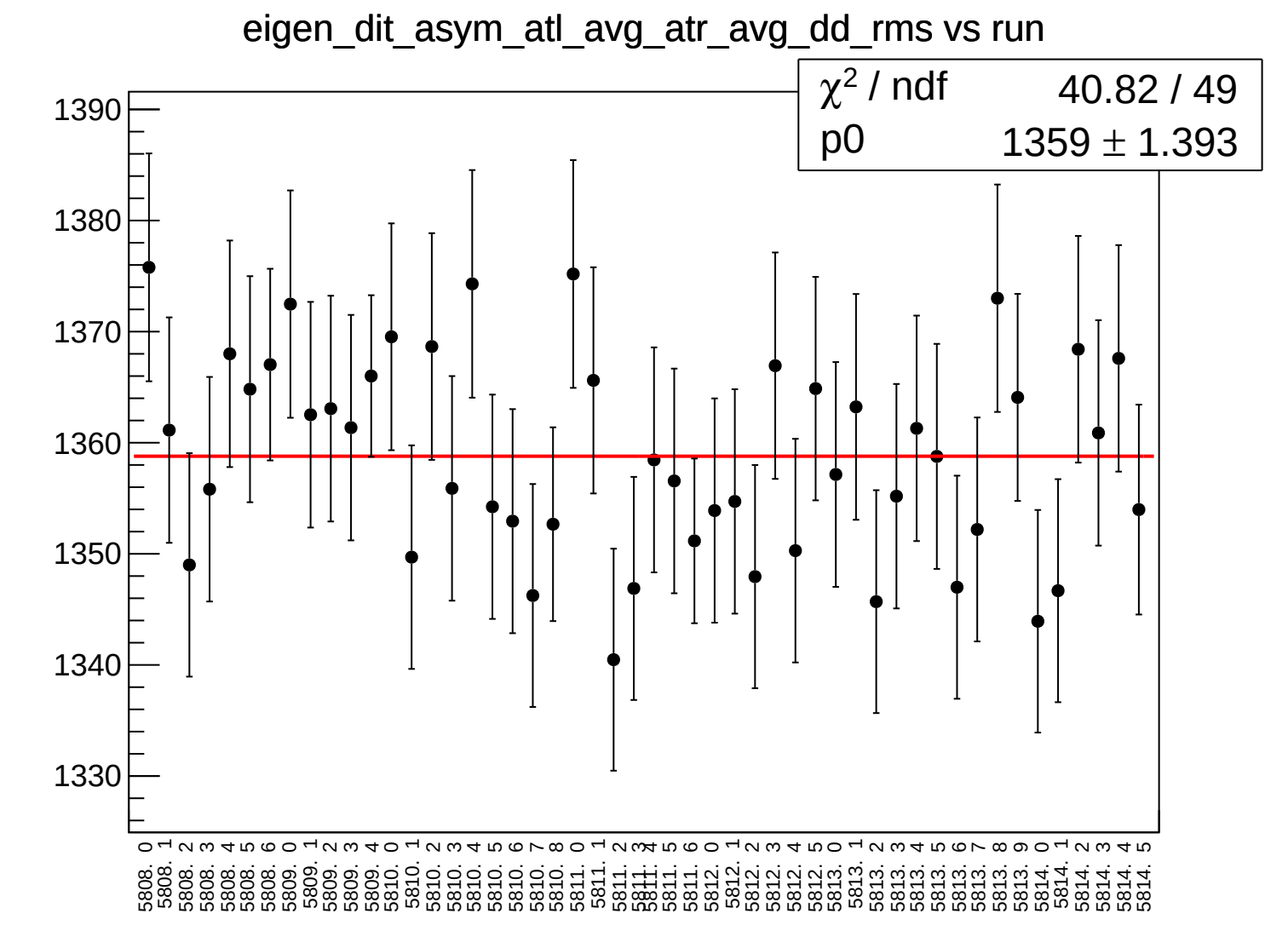

asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 51.73 / 49
p0 −1201 ± 524.4
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −600
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.004513
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 5492 / 49
p0 360.8 ± 0.3708
420
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 38.74 / 49
p0 −2199 ± 1969
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −738.7
Std Dev 0


pull1D
Entries 50
Mean 0.004132
Std Dev 0.8802


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 40.82 / 49
p0 1359 ± 1.393
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
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5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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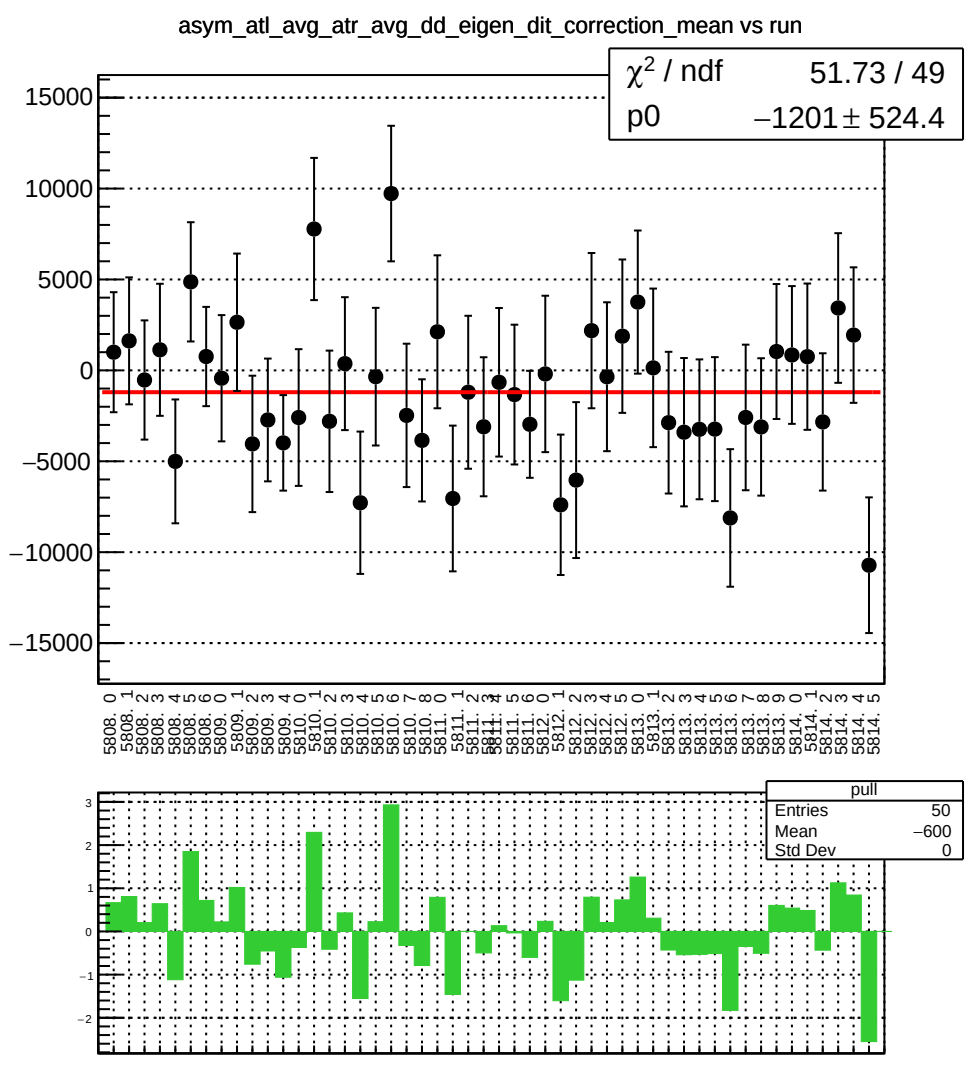
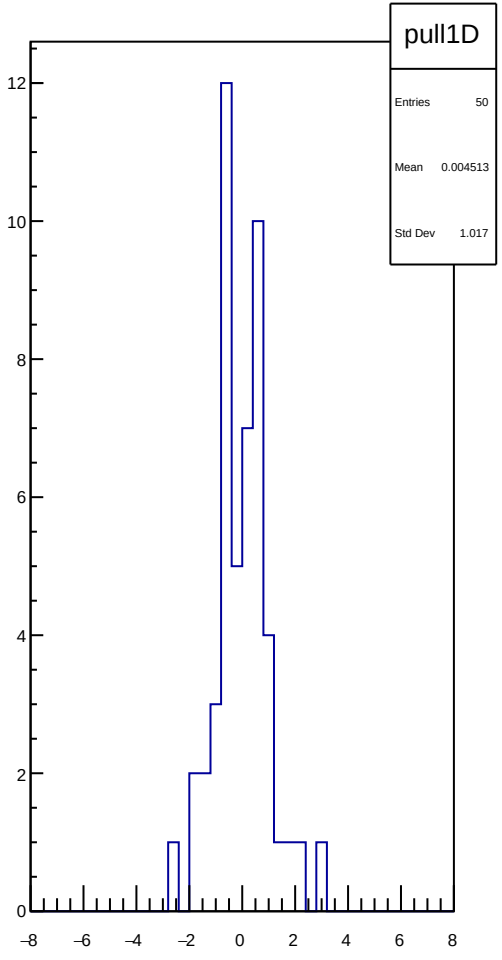
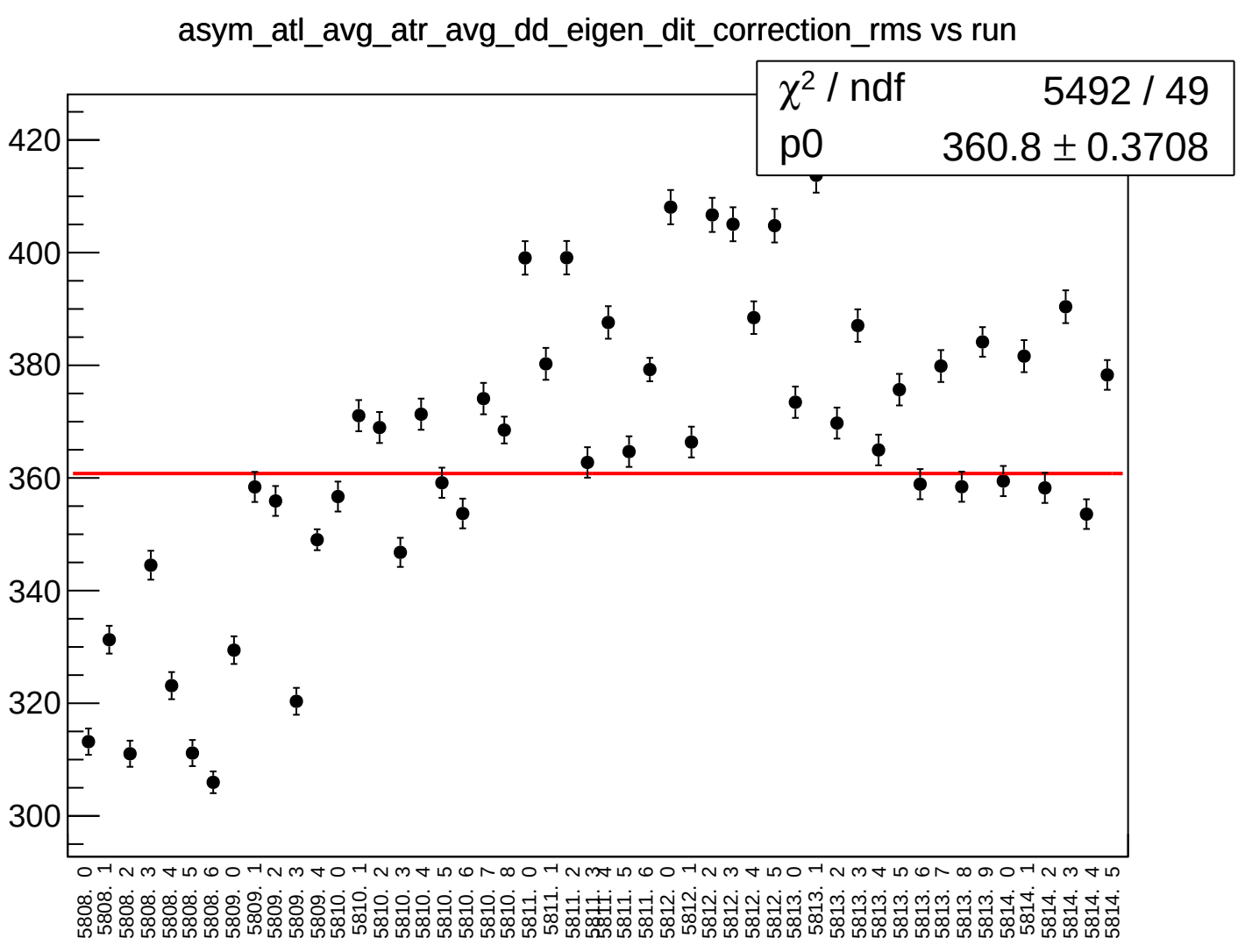
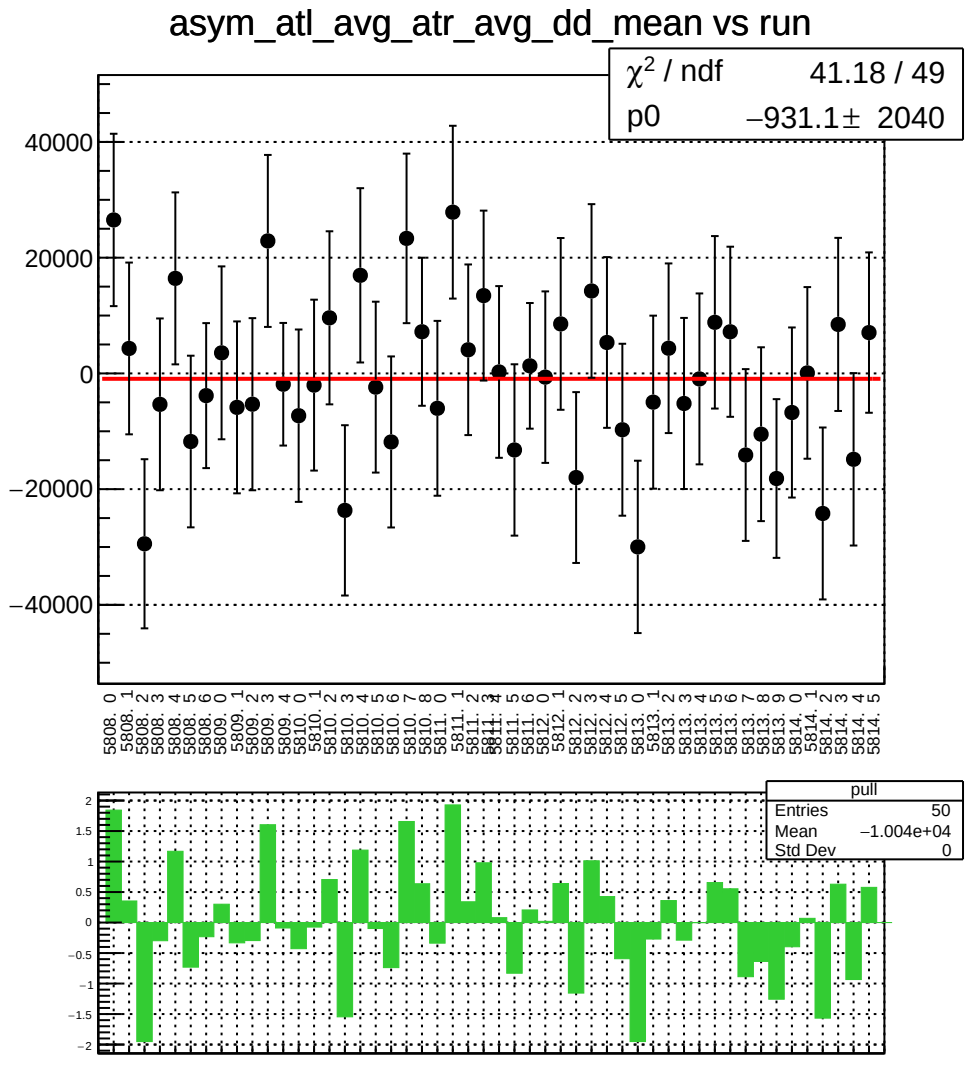
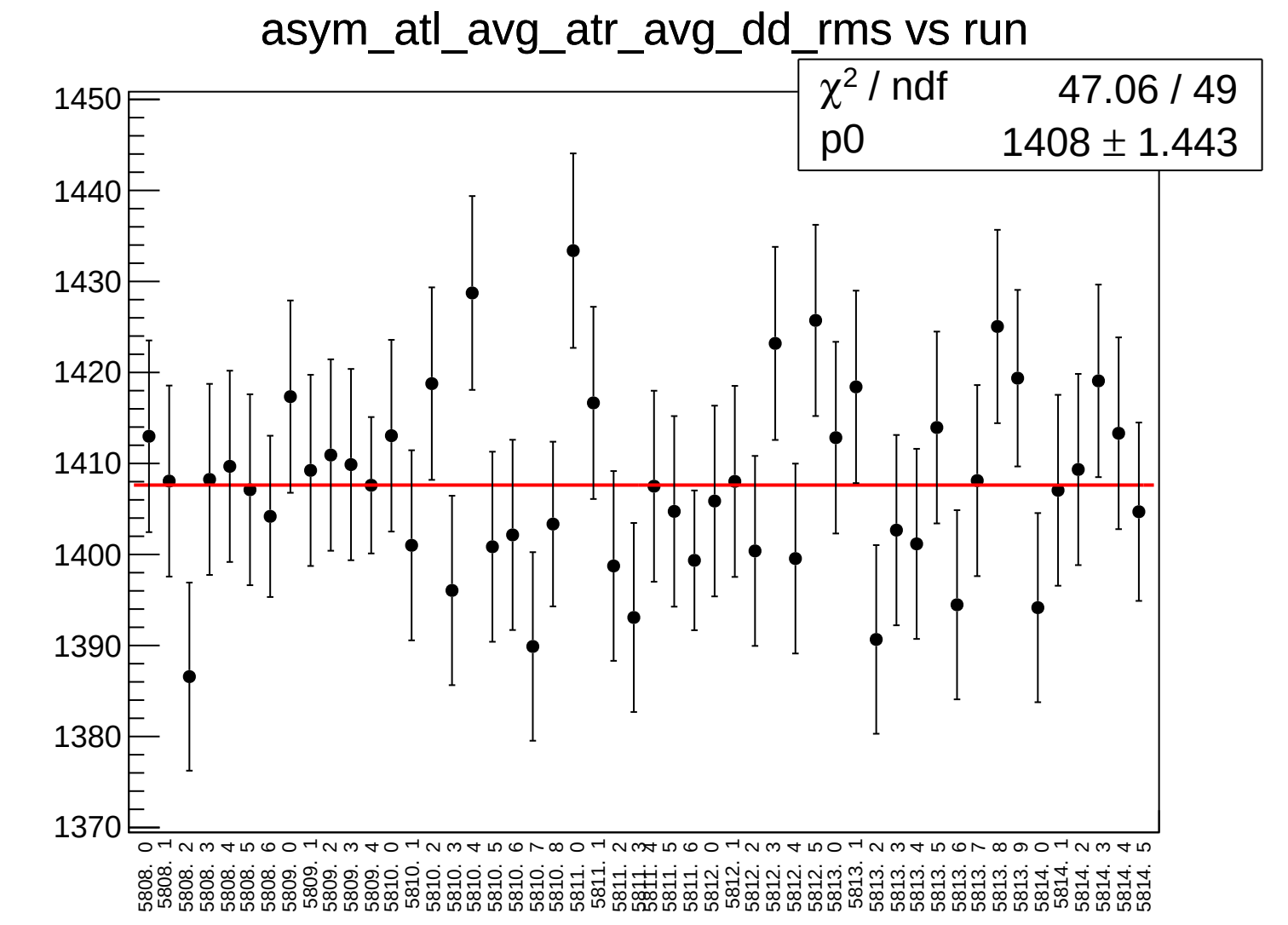
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 51.73 / 49
p0 −1201 ± 524.4
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −600
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.004513
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 5492 / 49
p0 360.8 ± 0.3708
420
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 41.18 / 49
p0 −931.1± 2040
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1.004e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0002352
Std Dev 0.9075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 47.06 / 49
p0 1408 ± 1.443
1450
1440
1430
1420
1410
1400
1390
1380
1370
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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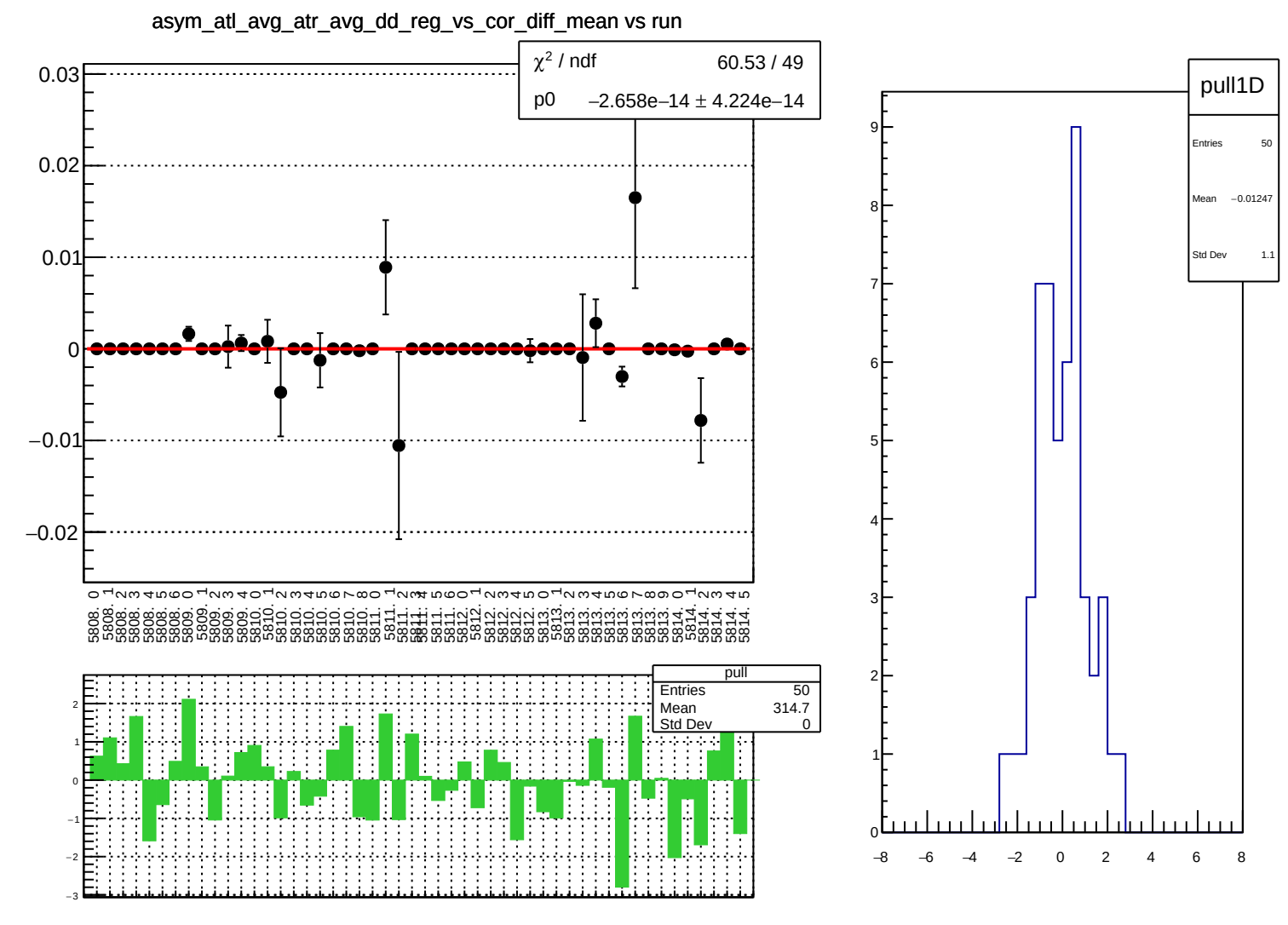
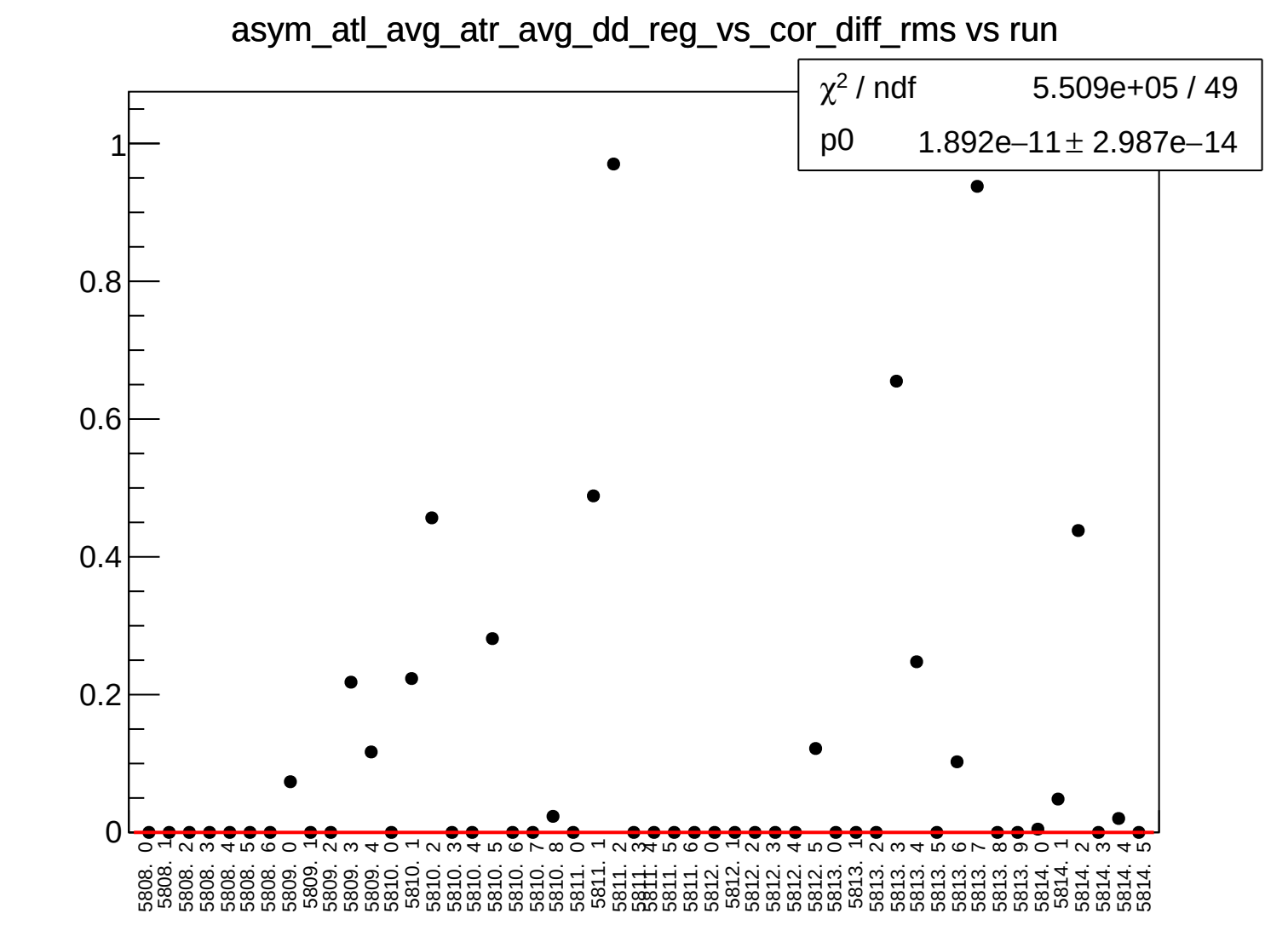
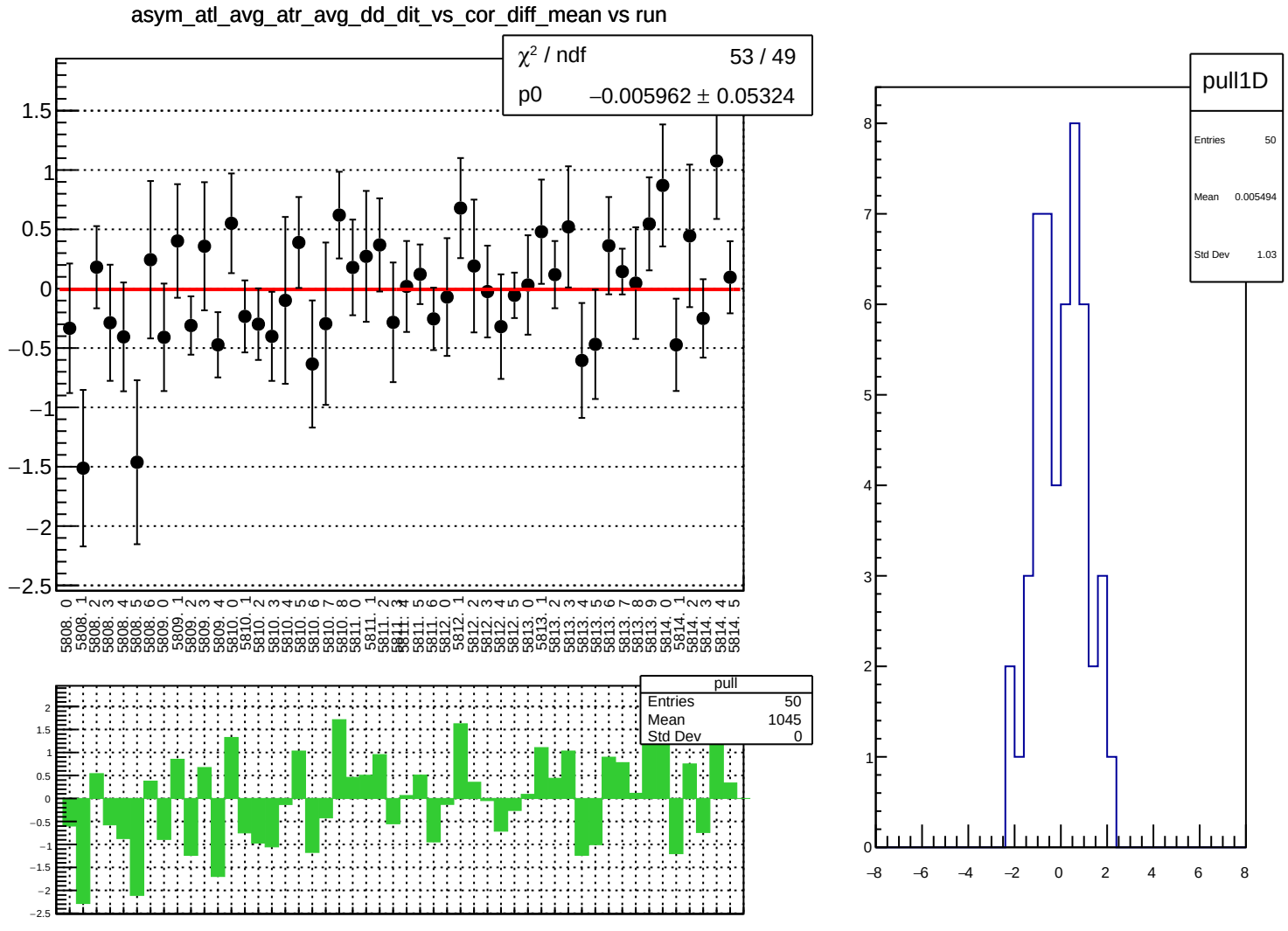
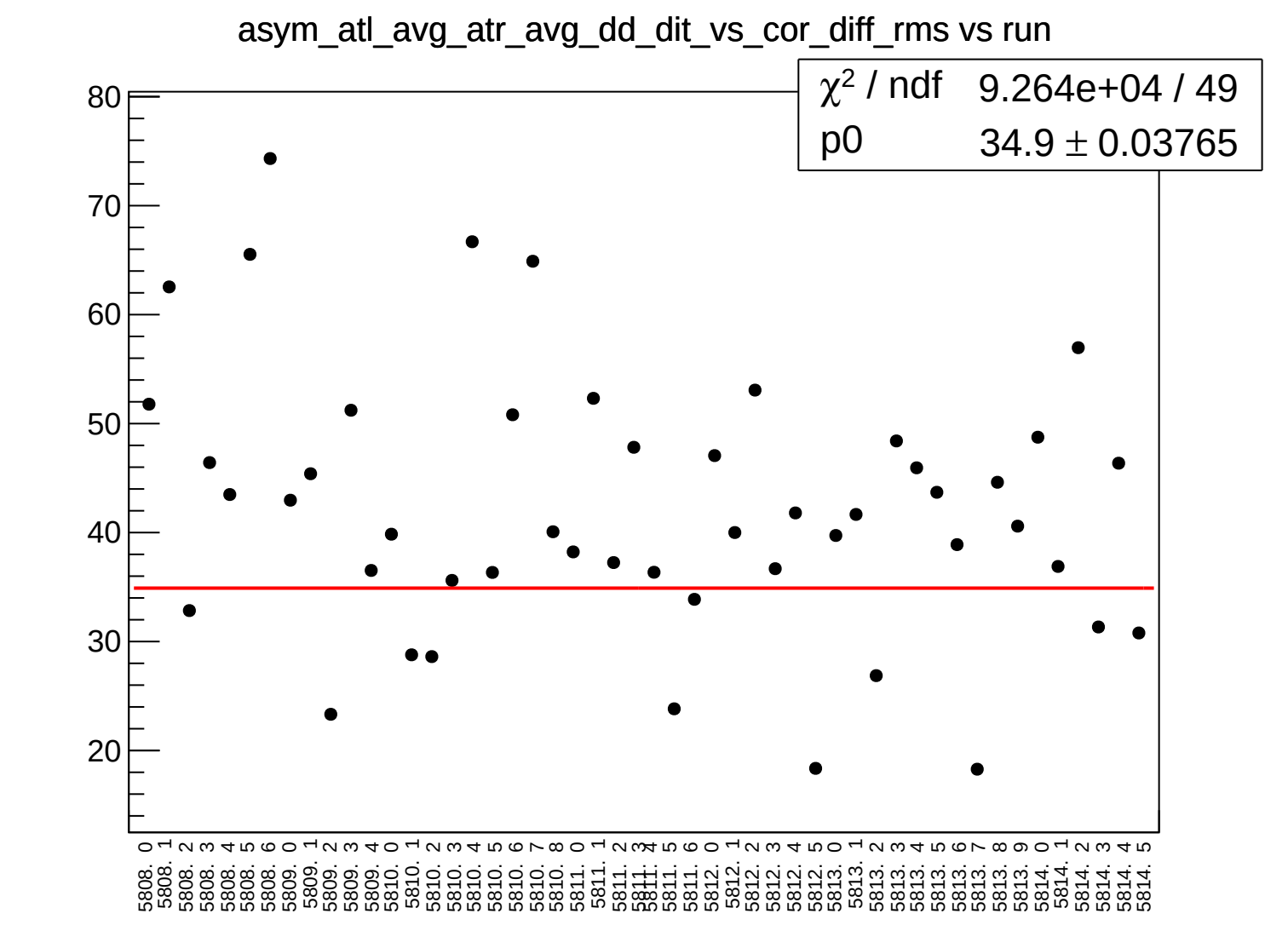
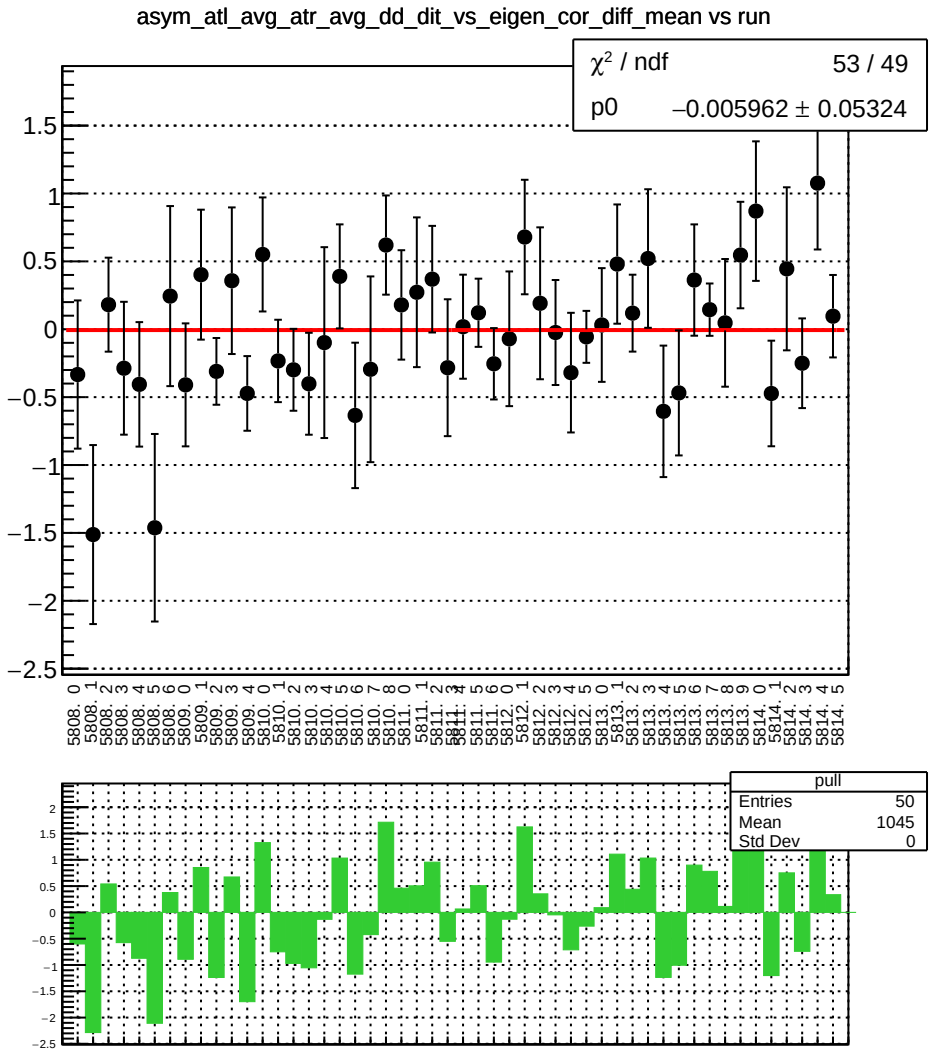
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

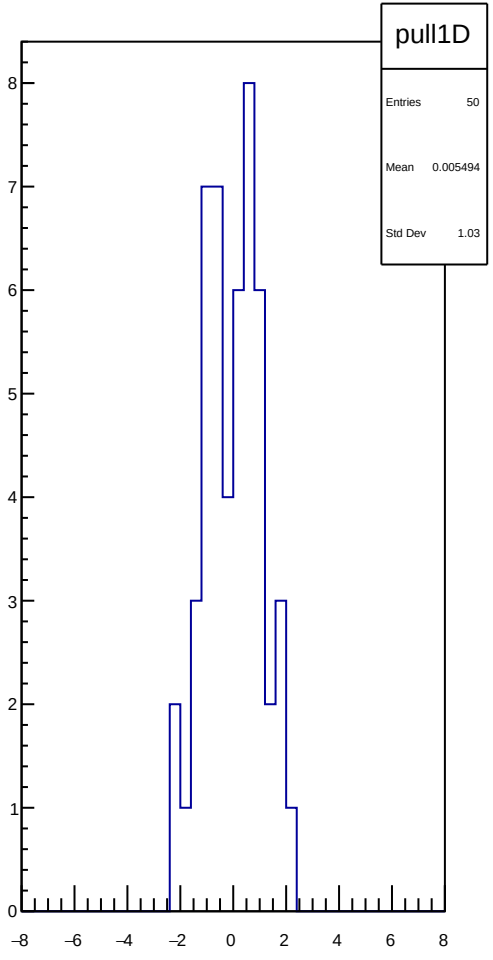

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.53 / 49
p0 −2.658e−14 ± 4.224e−14
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean 314.7
Std Dev 0
pull1D
Entries 50
Mean −0.01247
Std Dev 1.1

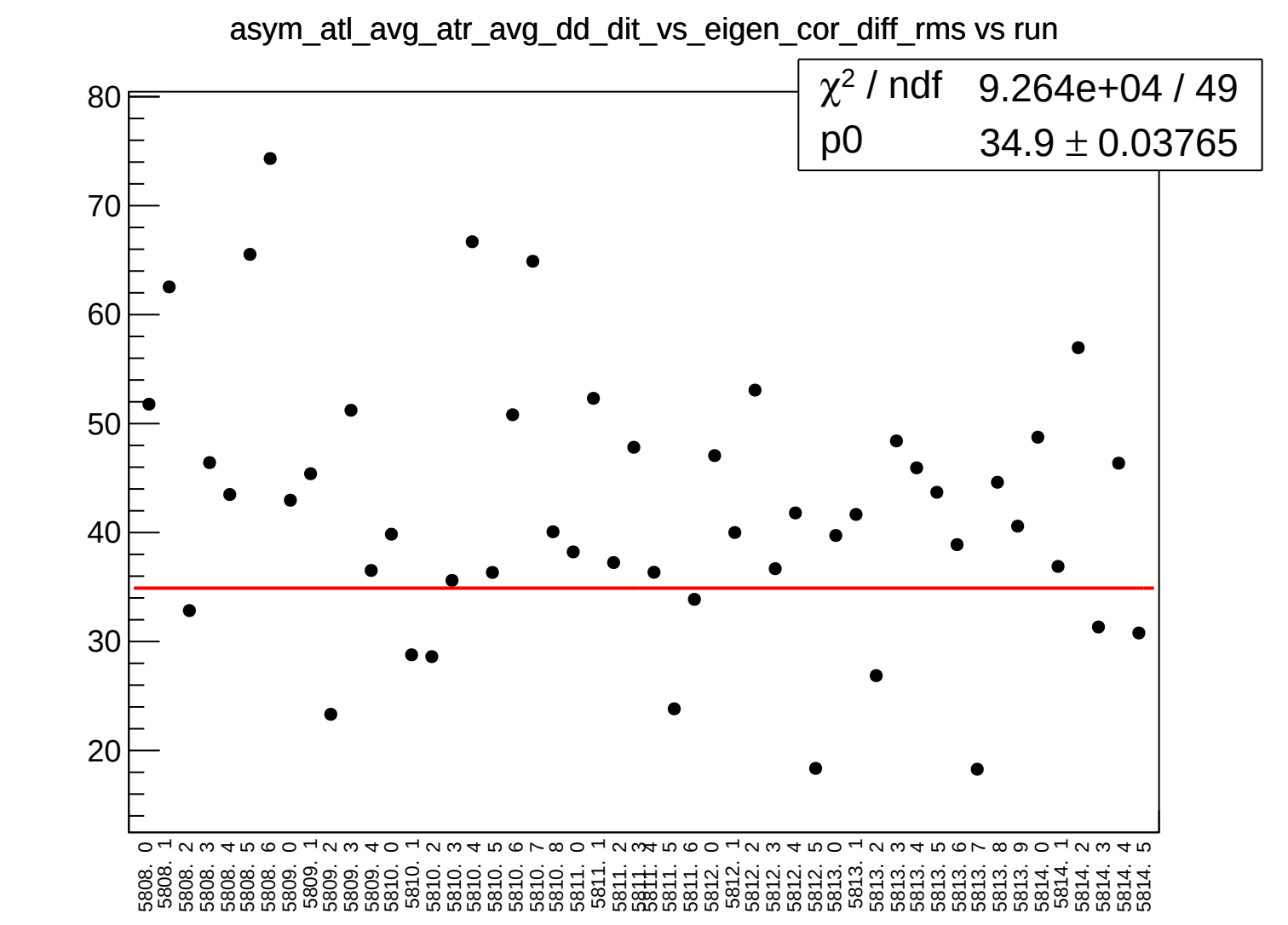

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.509e+05 / 49
p0 1.892e−11 ± 2.987e−14
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

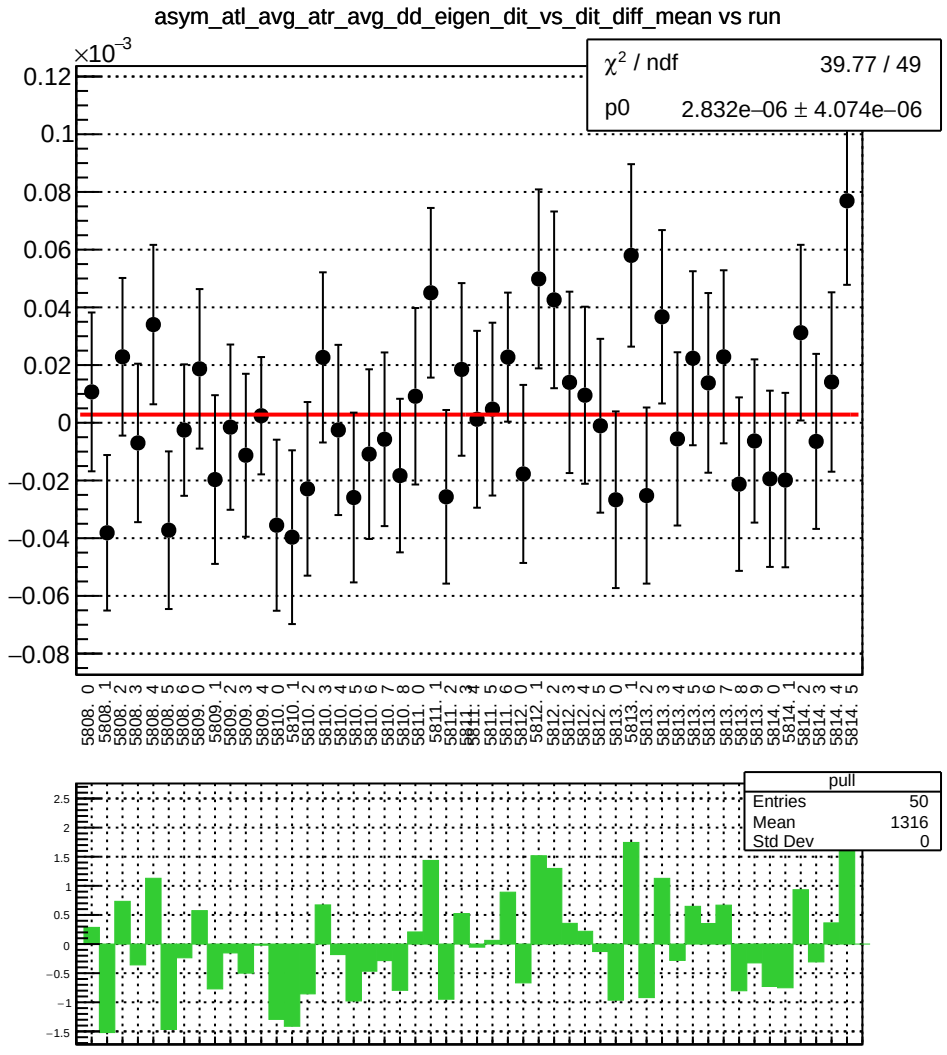

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005962 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0
pull1D
Entries 50
Mean 0.005494
Std Dev 1.03

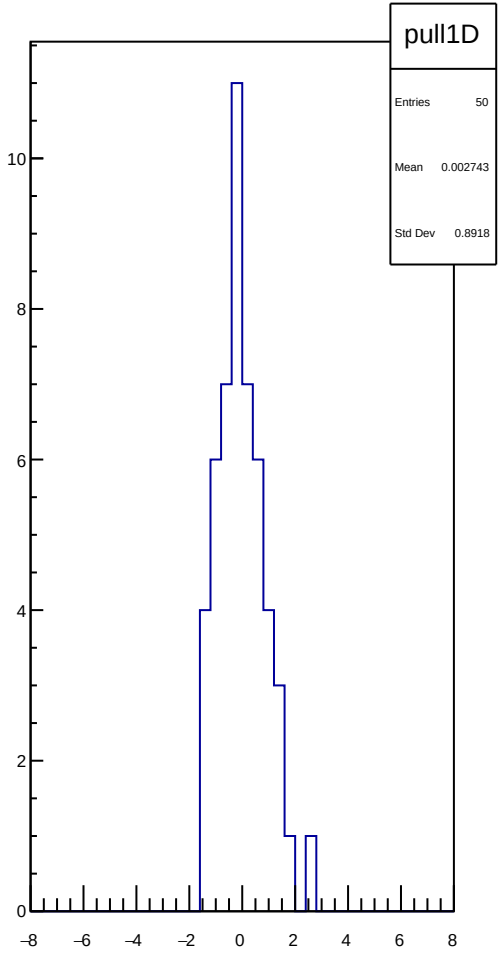

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

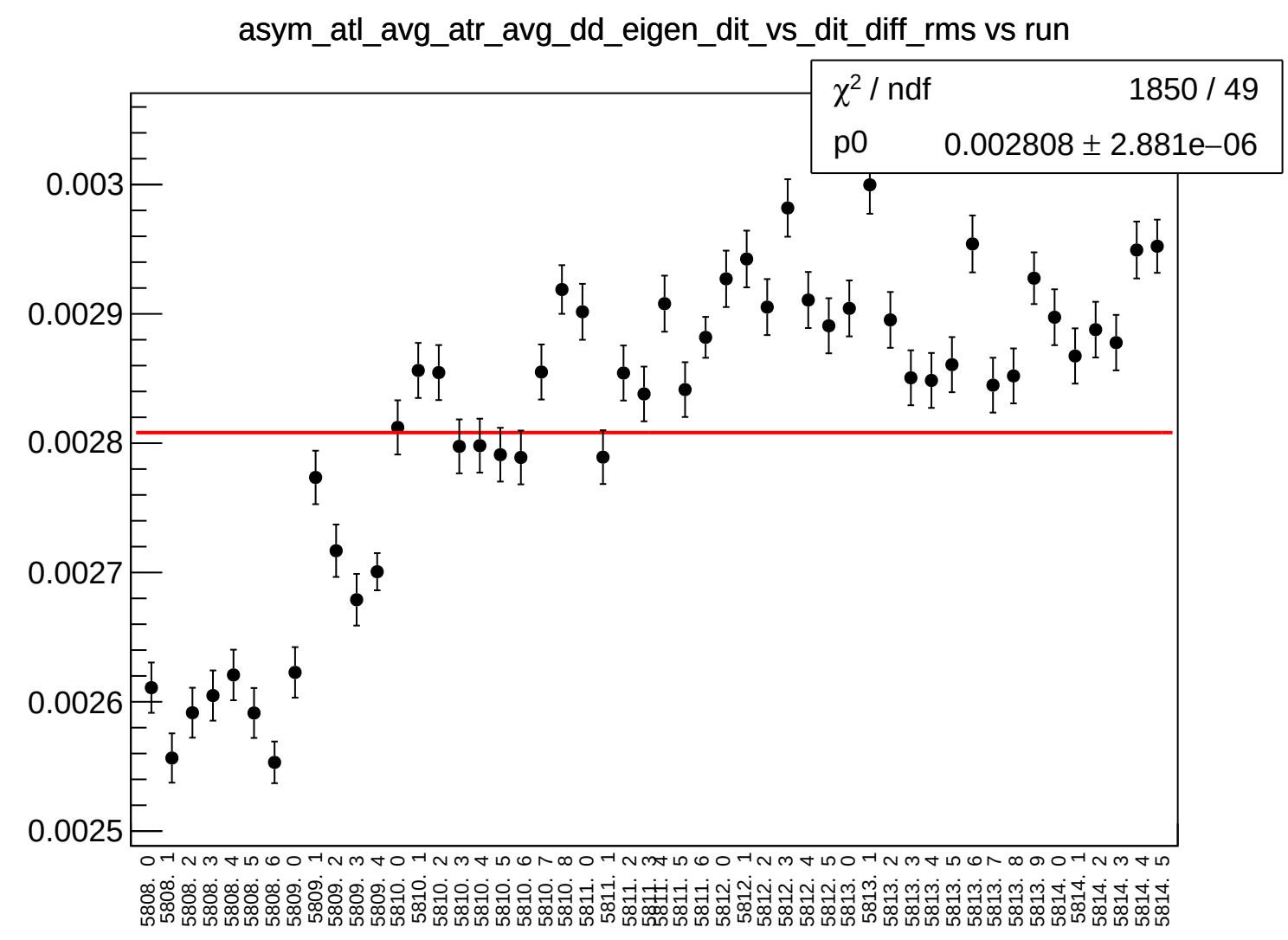

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005962 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0

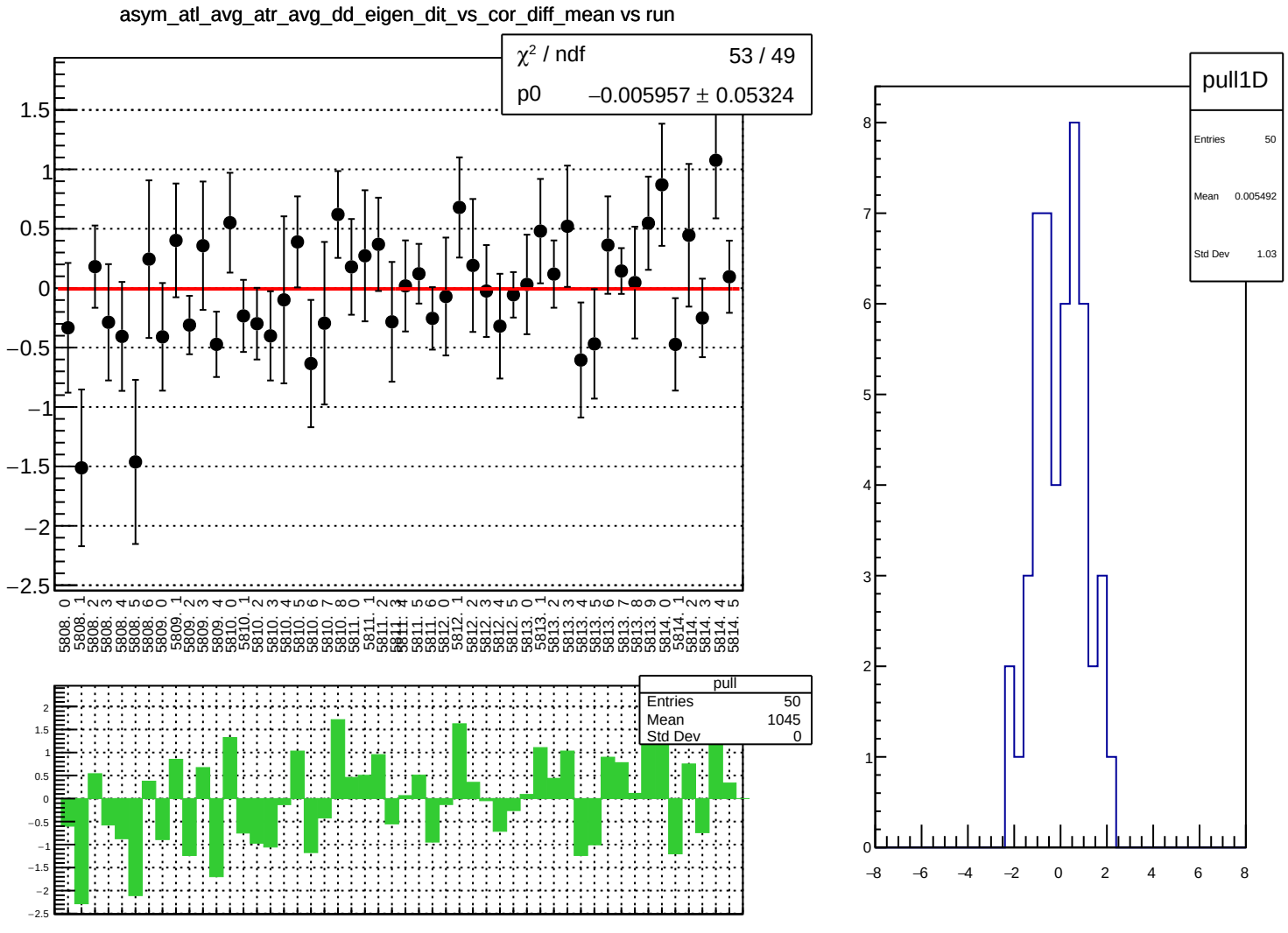

pull1D
Entries 50
Mean 0.005494
Std Dev 1.03

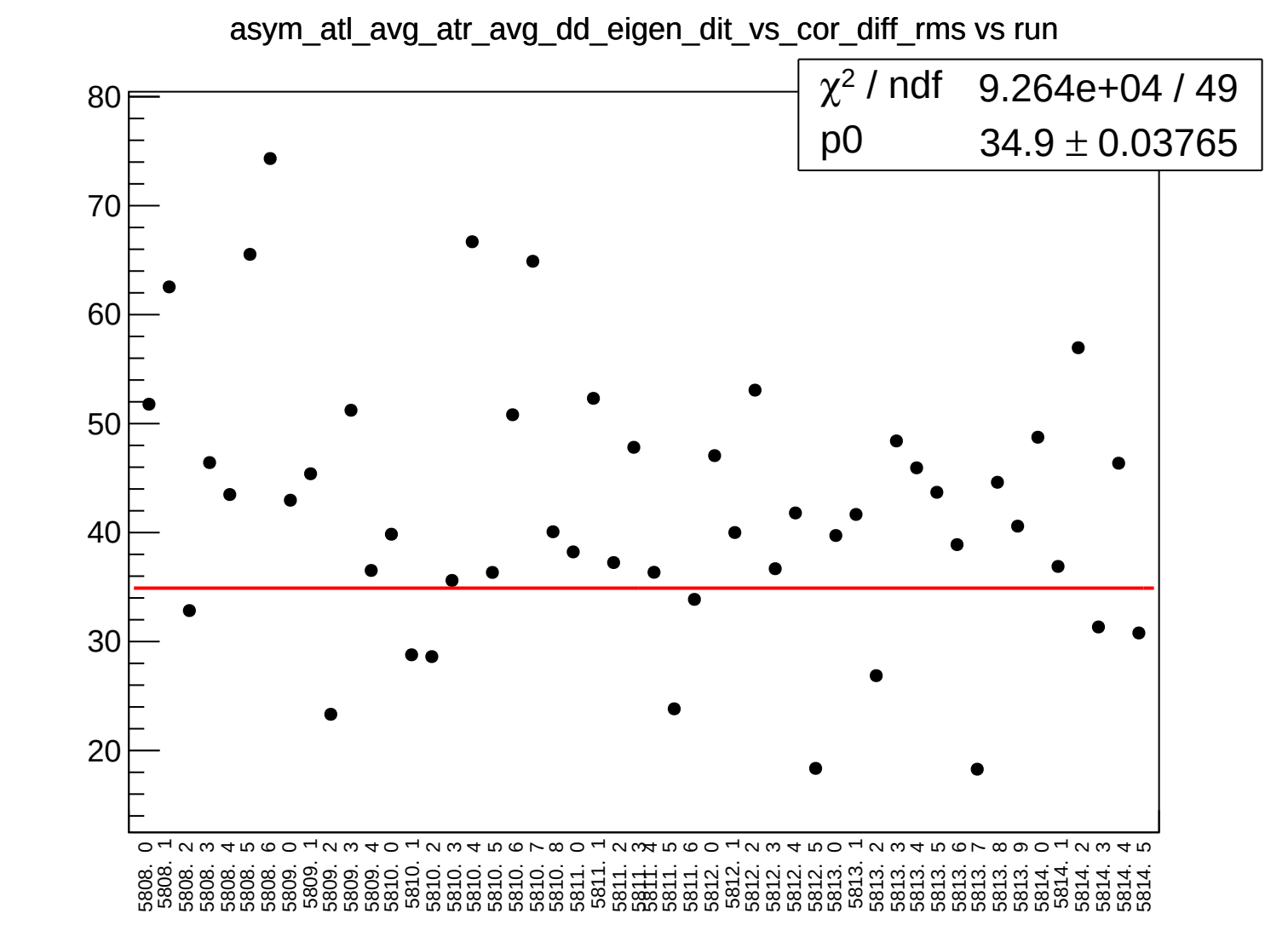

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

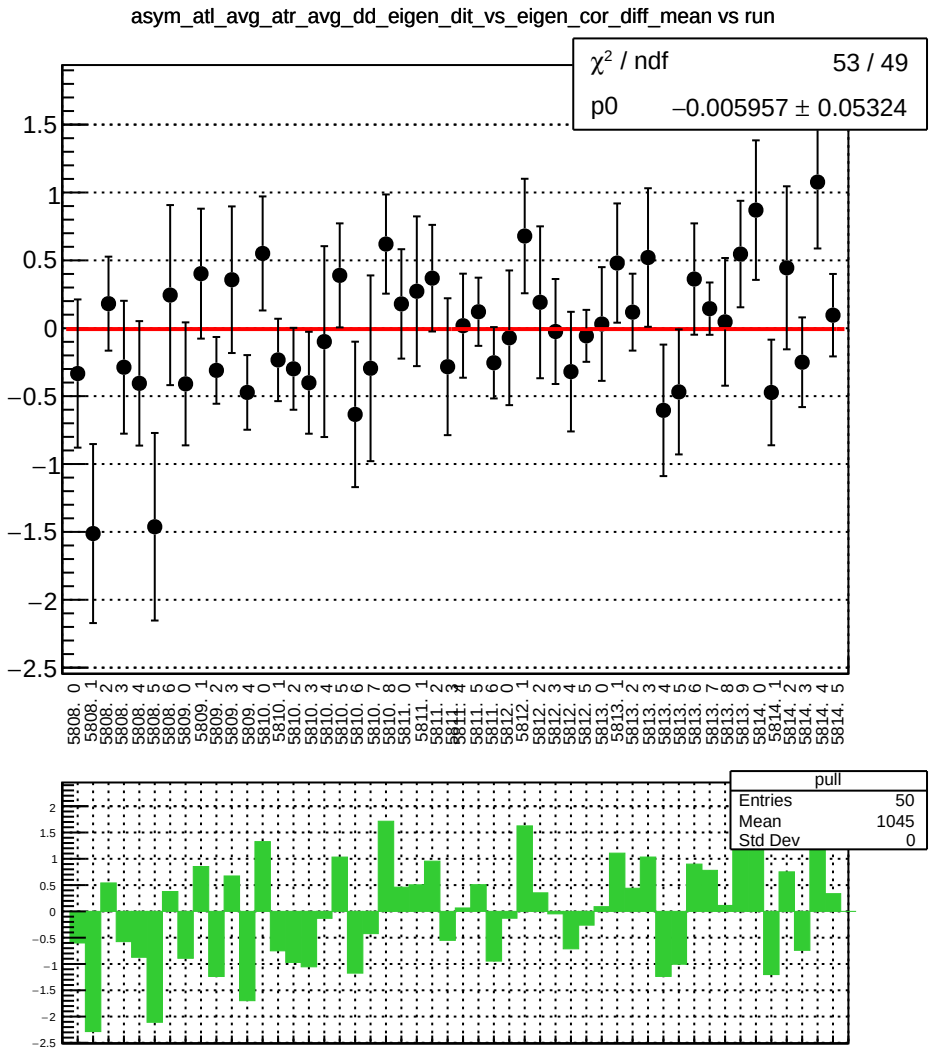

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.77 / 49
p0 2.832e−06 ± 4.074e−06
pull
Entries 50
Mean 1316
Std Dev 0

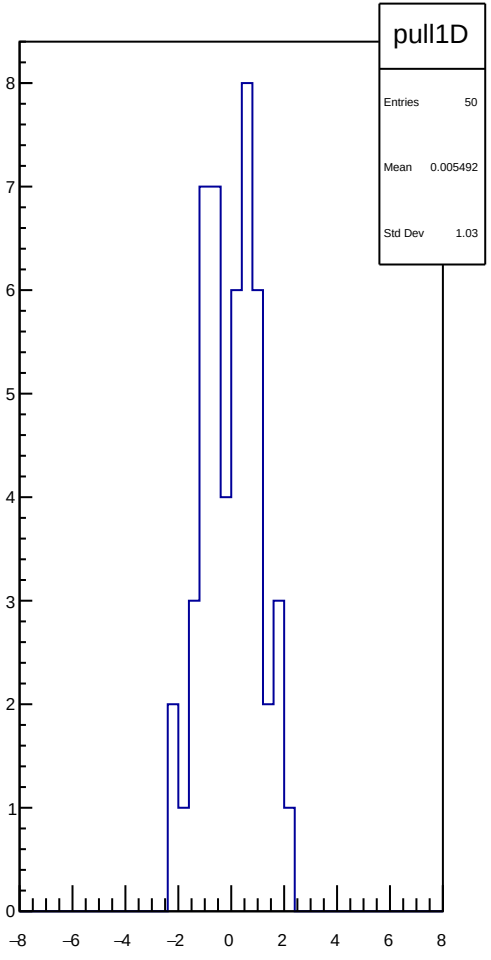

pull1D
Entries 50
Mean 0.002743
Std Dev 0.8918

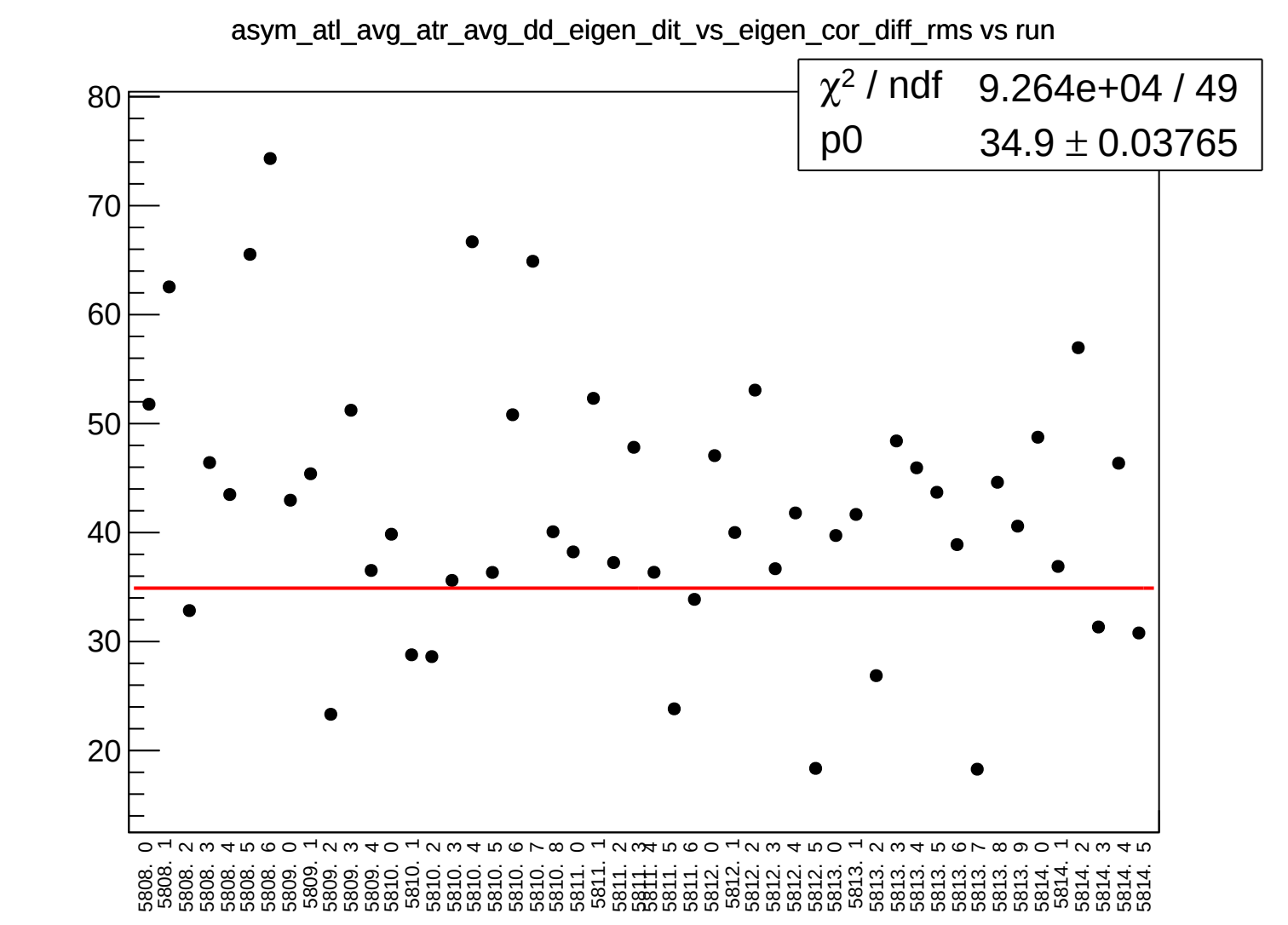

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1850 / 49
p0 0.002808 ± 2.881e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

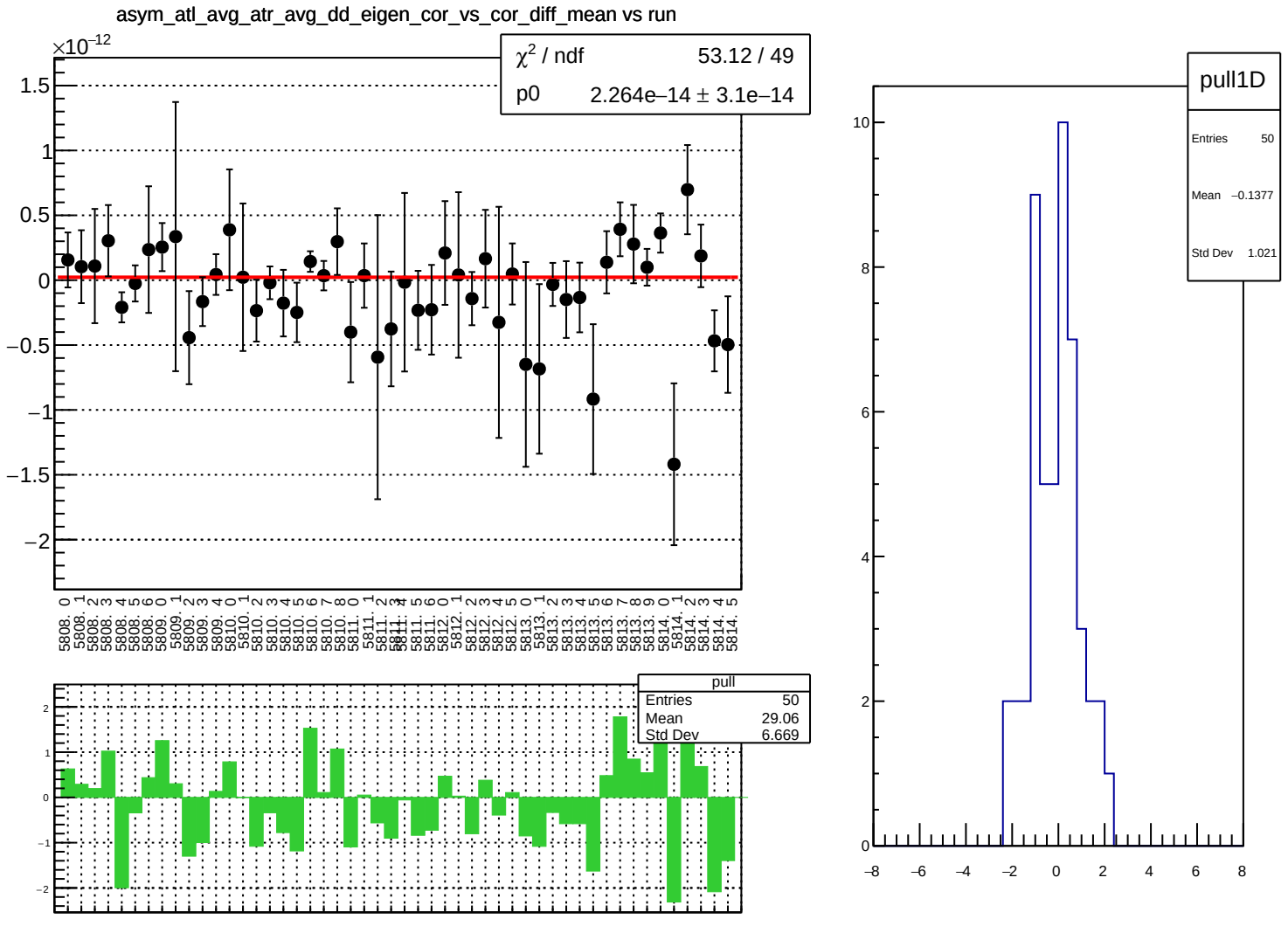

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005957 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0
pull1D
Entries 50
Mean 0.005492
Std Dev 1.03

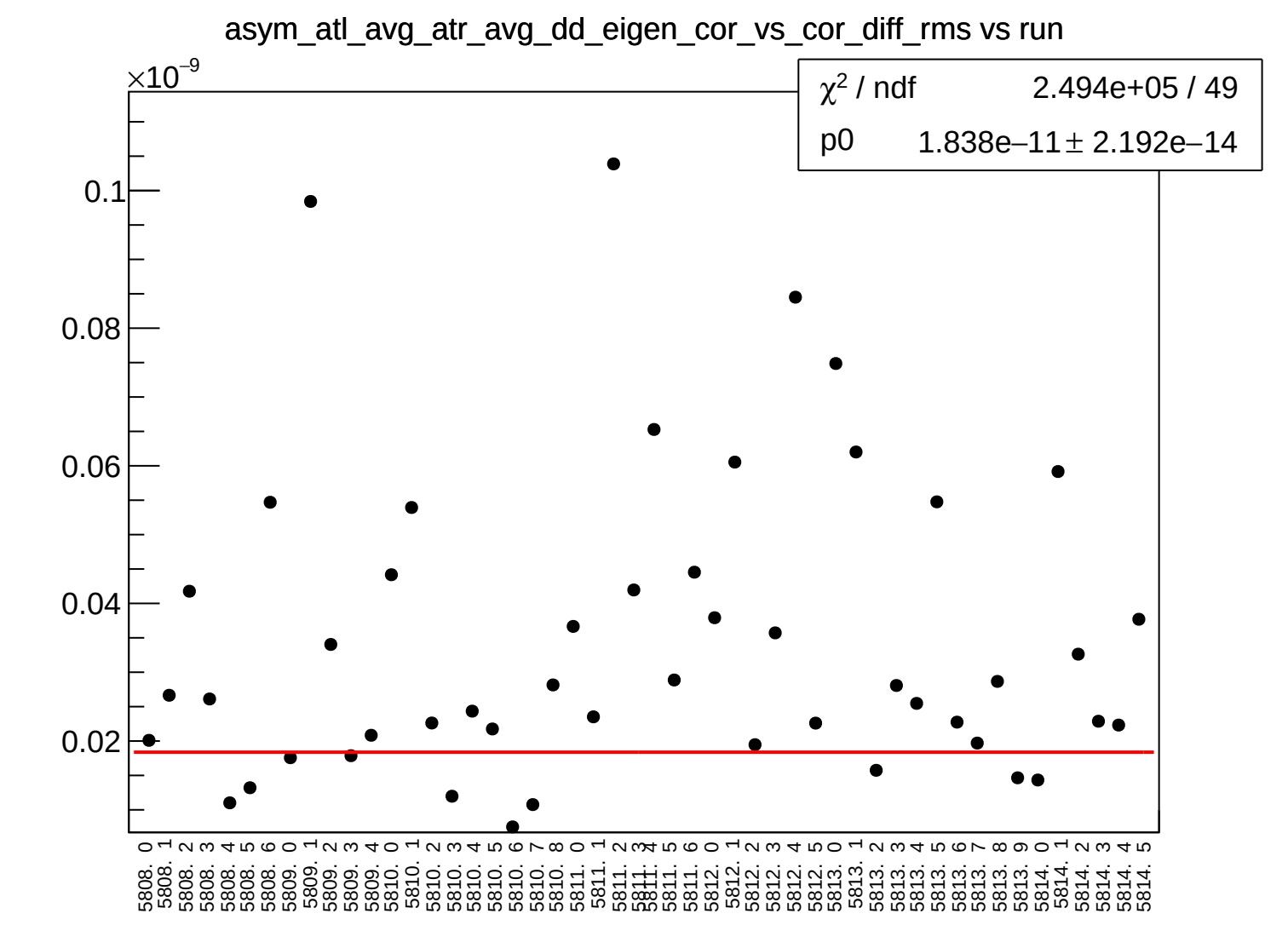

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

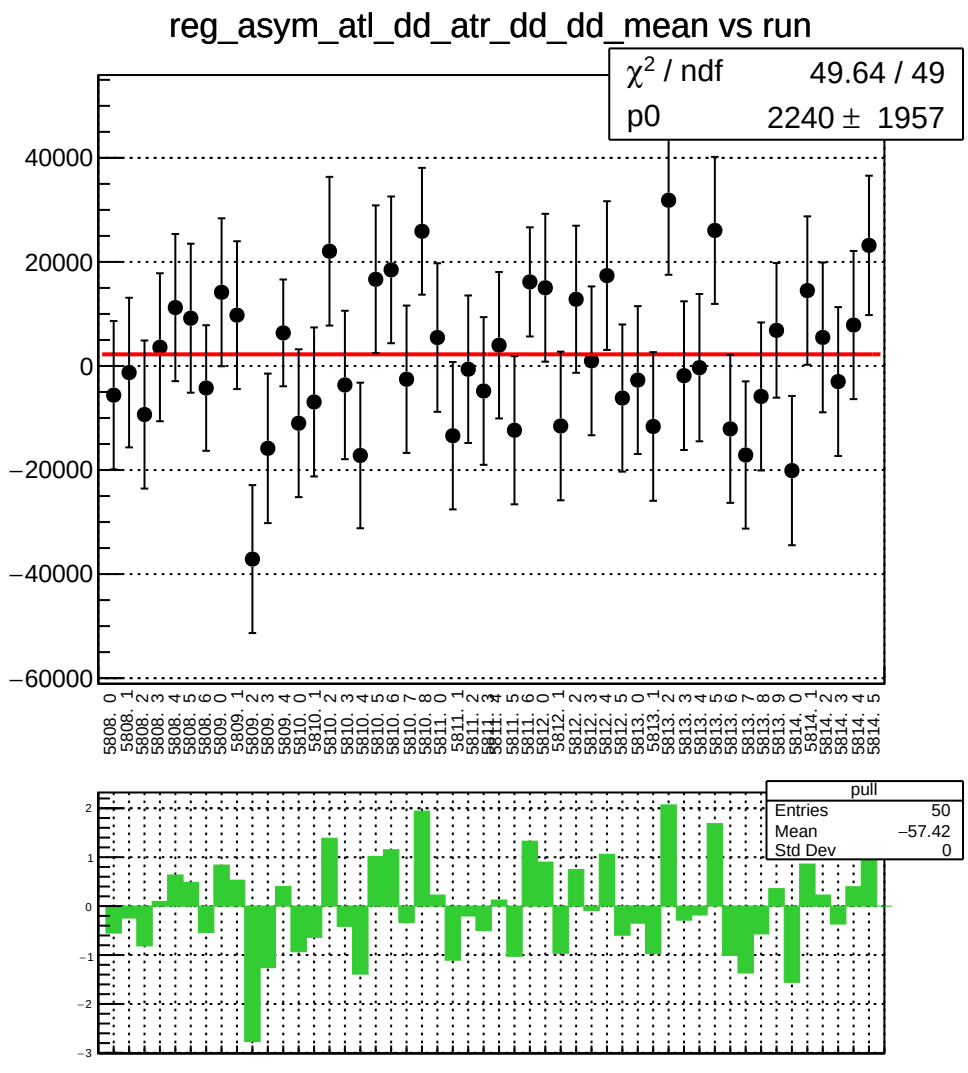

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005957 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0

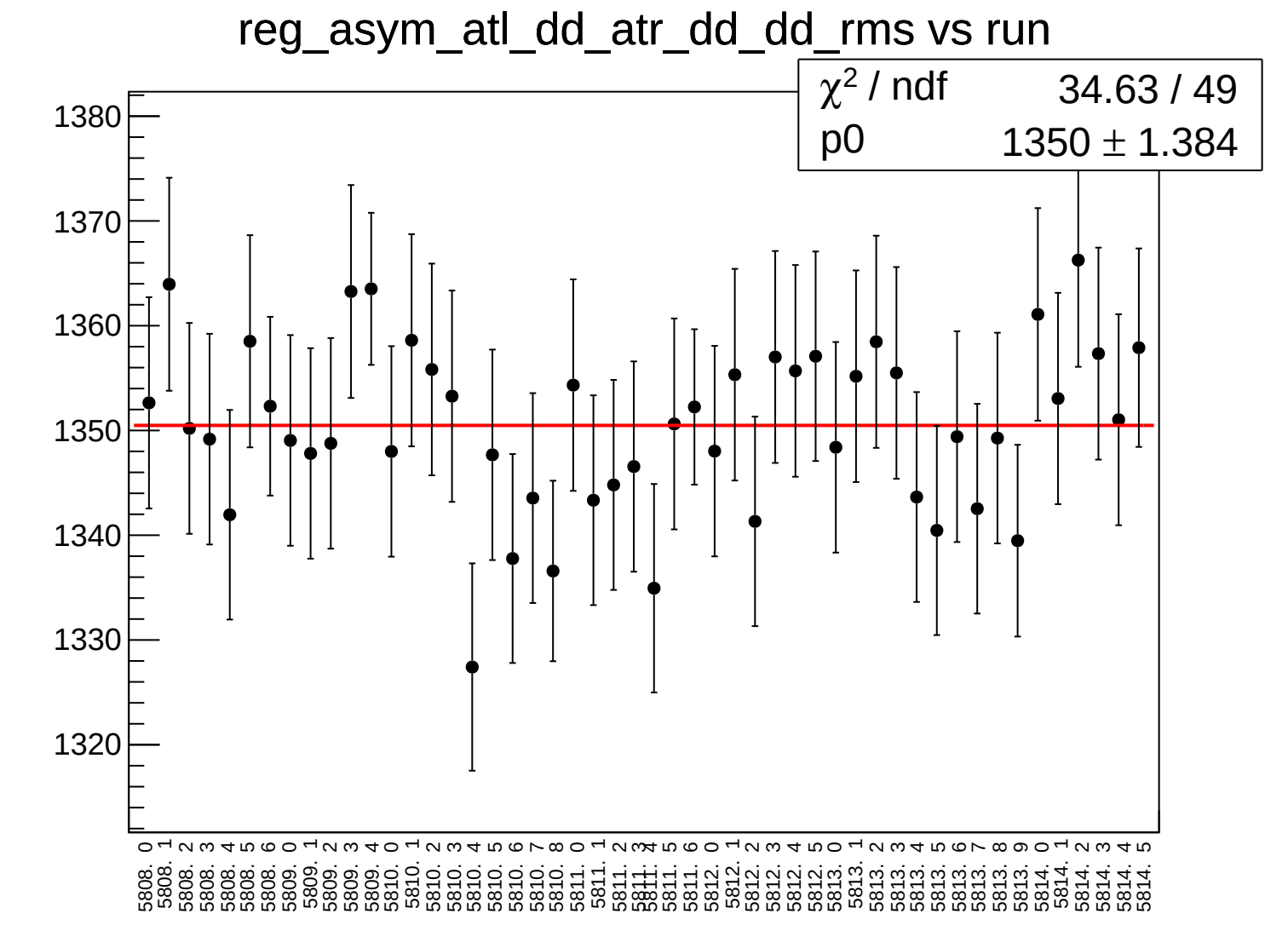

pull1D
Entries 50
Mean 0.005492
Std Dev 1.03

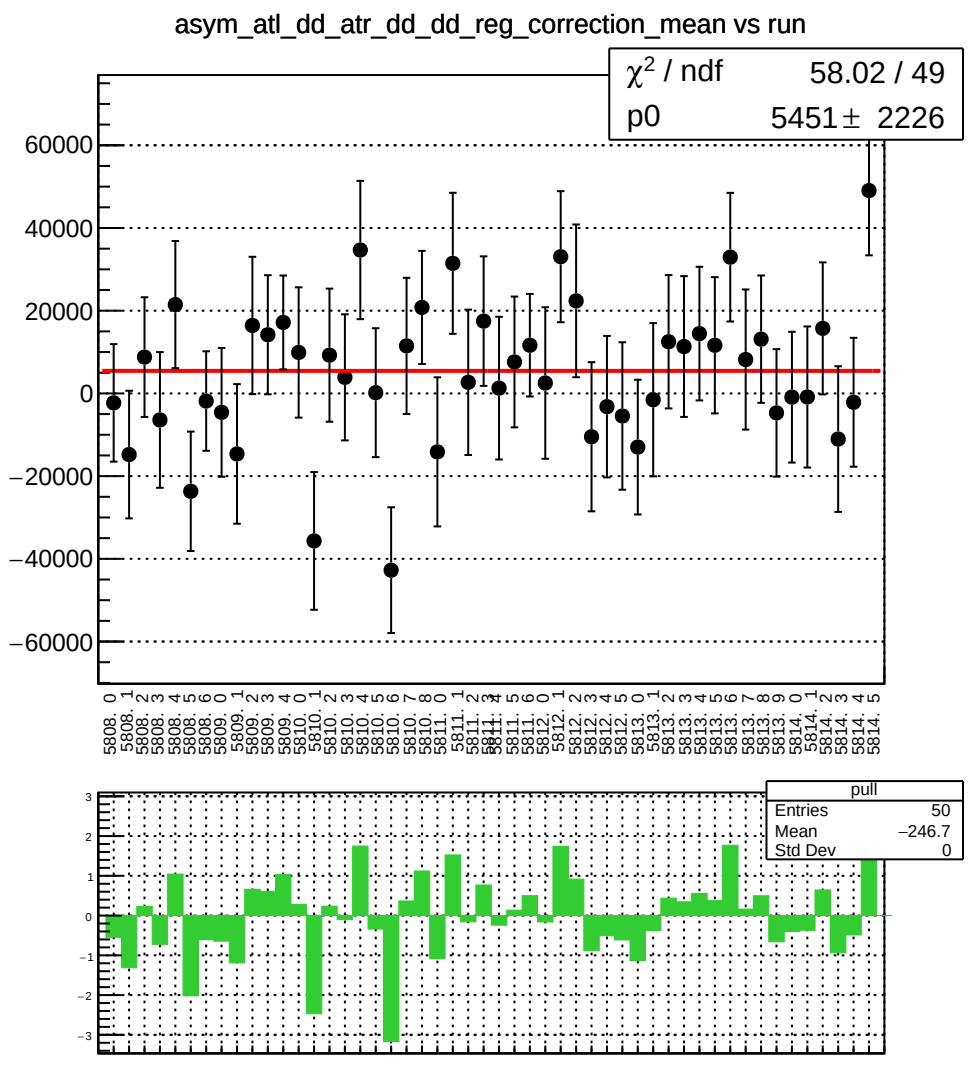

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

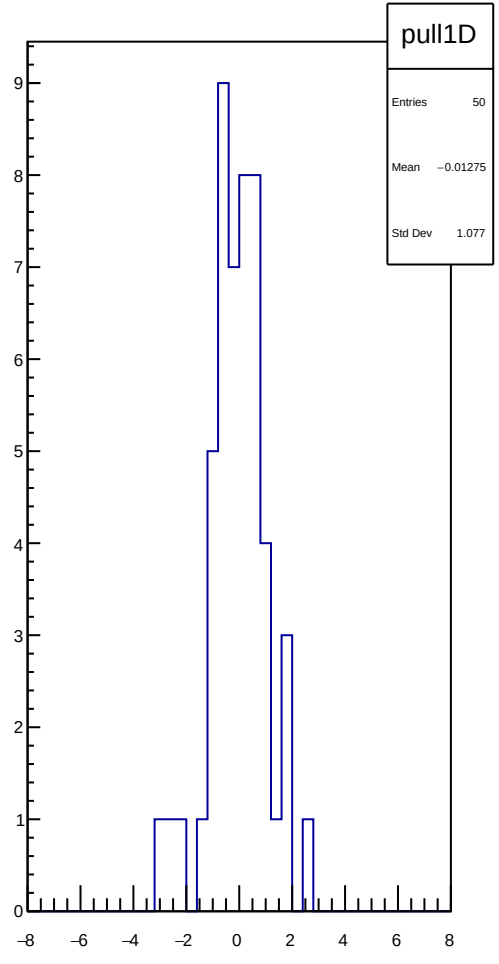

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.12 / 49
p0 2.264e−14 ± 3.1e−14
pull
Entries 50
Mean 29.06
Std Dev 6.669
pull1D
Entries 50
Mean −0.1377
Std Dev 1.021

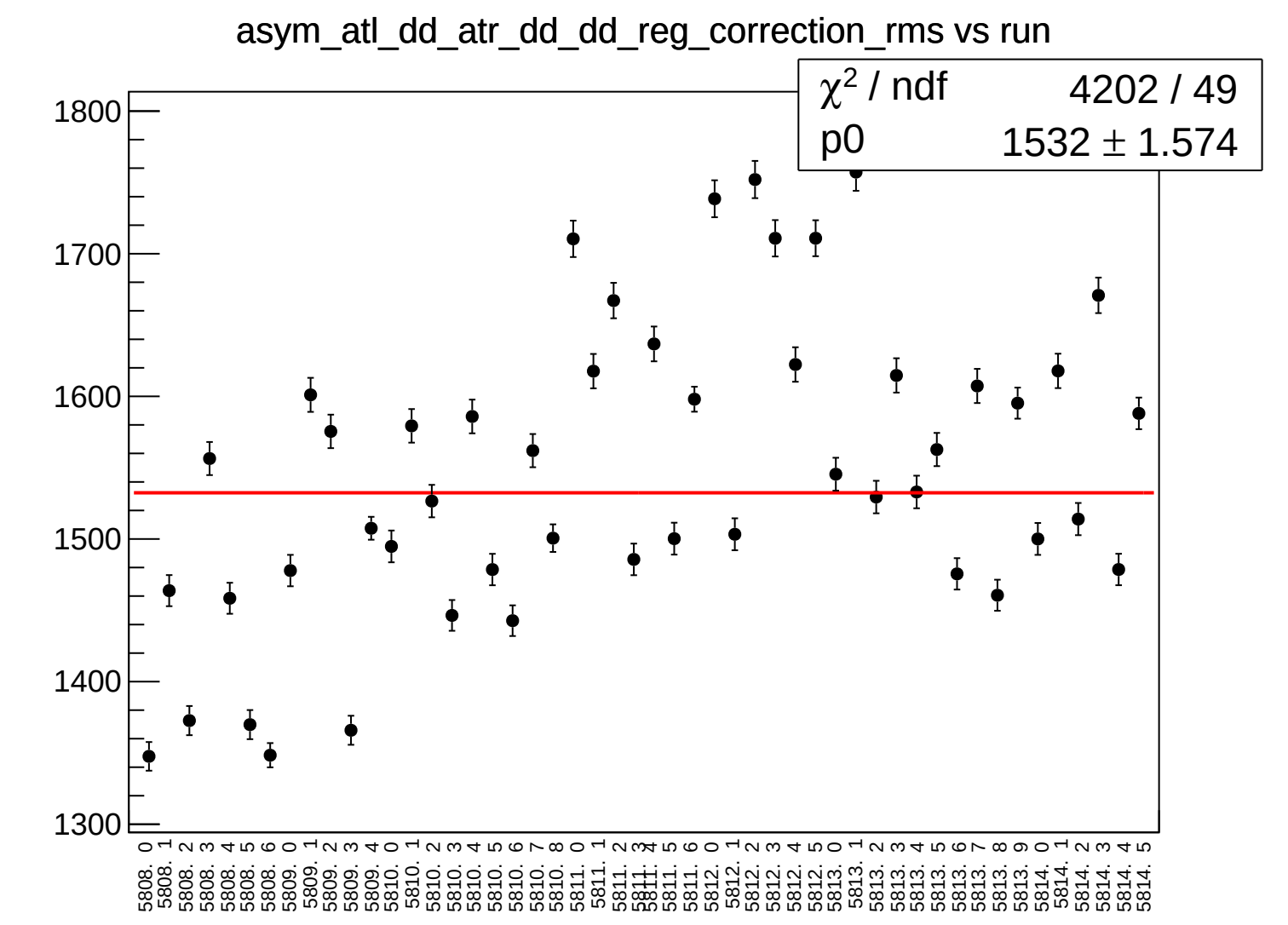

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.494e+05 / 49
p0 1.838e−11 ± 2.192e−14
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.64 / 49
p0 2240 ± 1957
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −57.42
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962
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 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5451 ± 2226
pull
Entries 50
Mean −246.7
Std Dev 0


pull1D
Entries 50
Mean −0.01275
Std Dev 1.077


asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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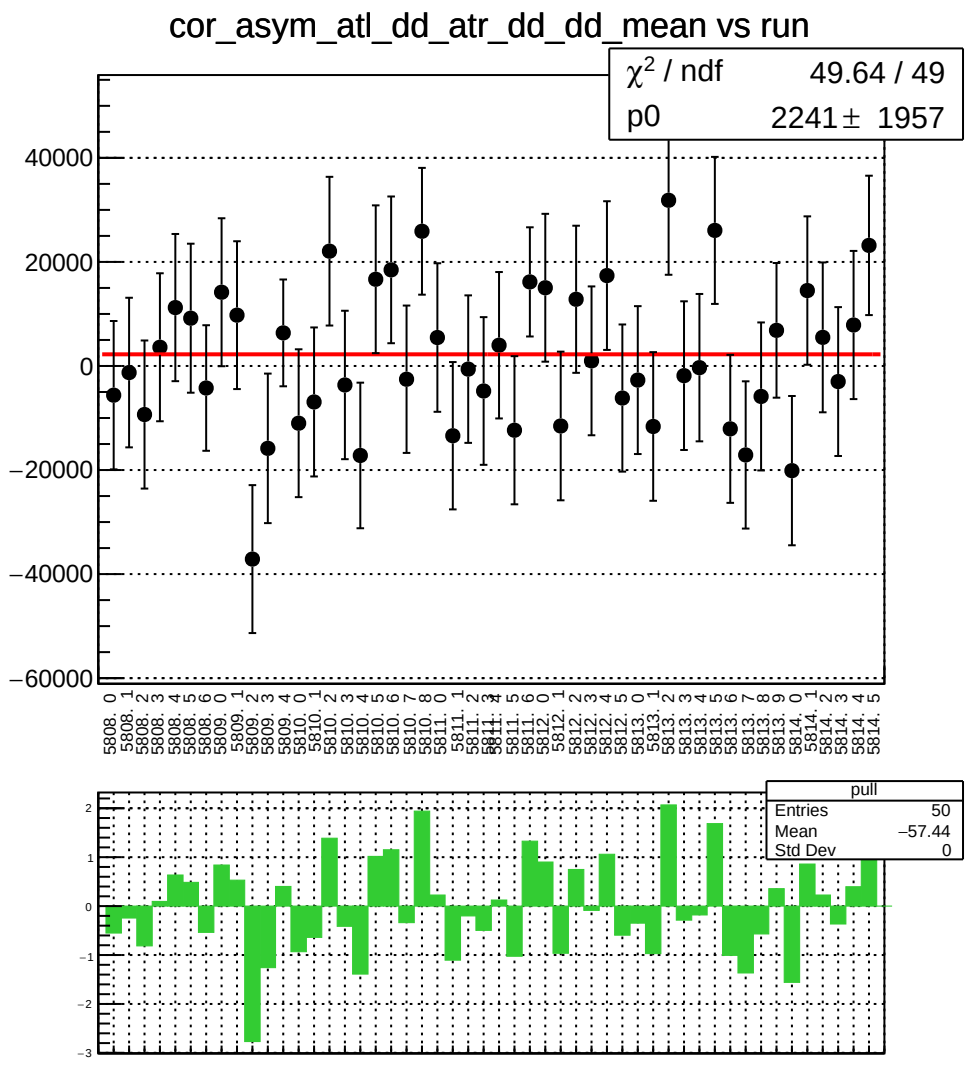
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.64 / 49
p0 2241 ± 1957
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −57.44
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962
8
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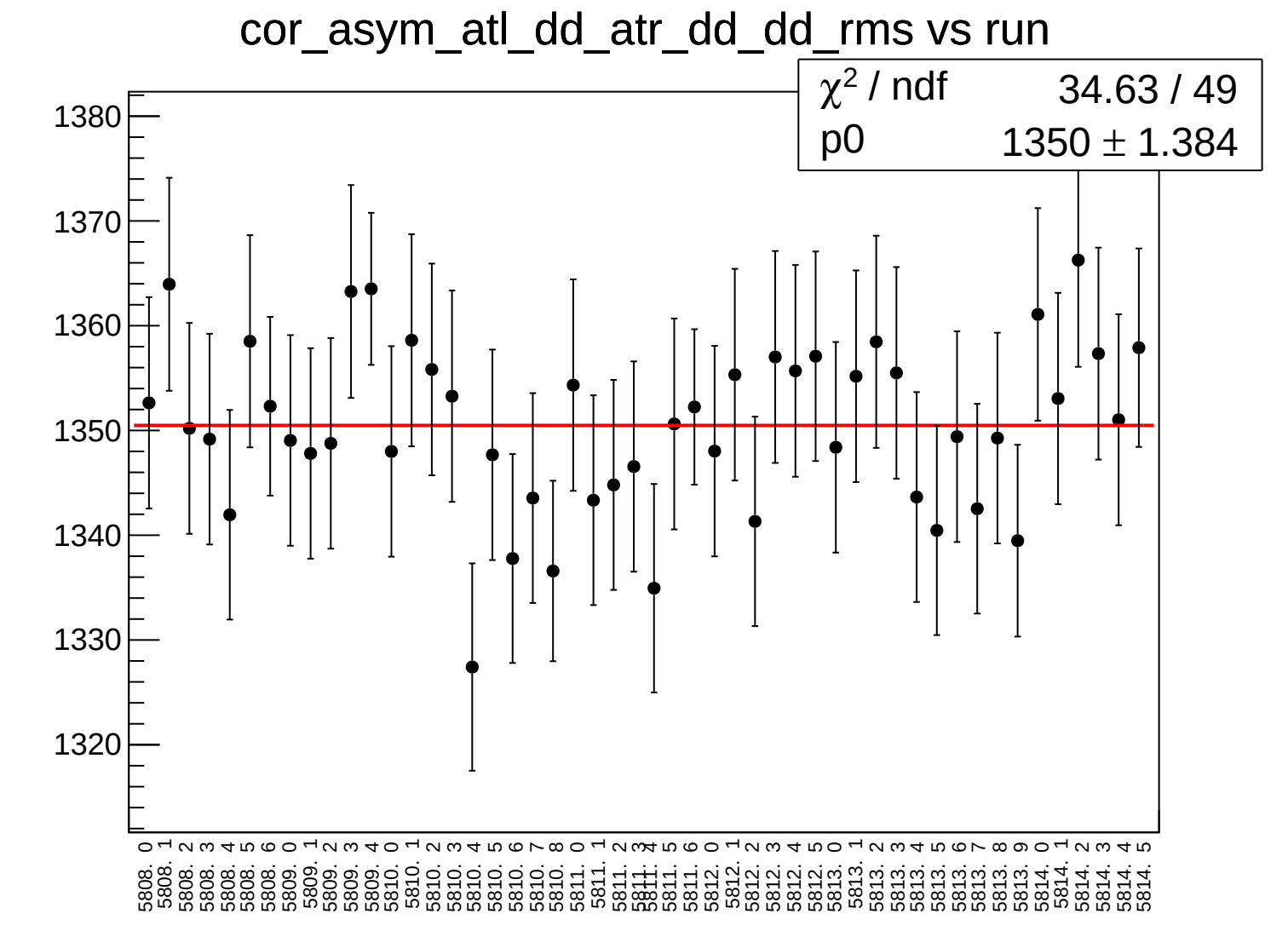
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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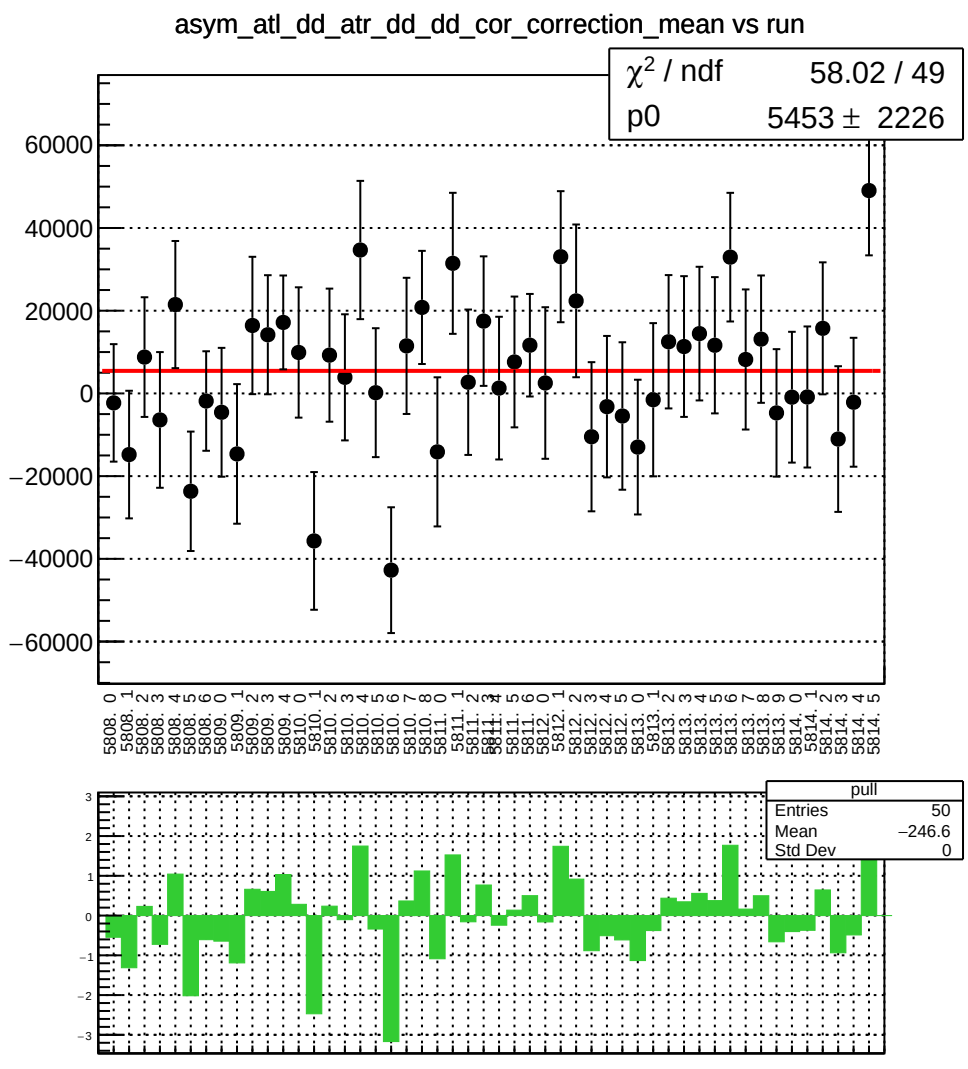
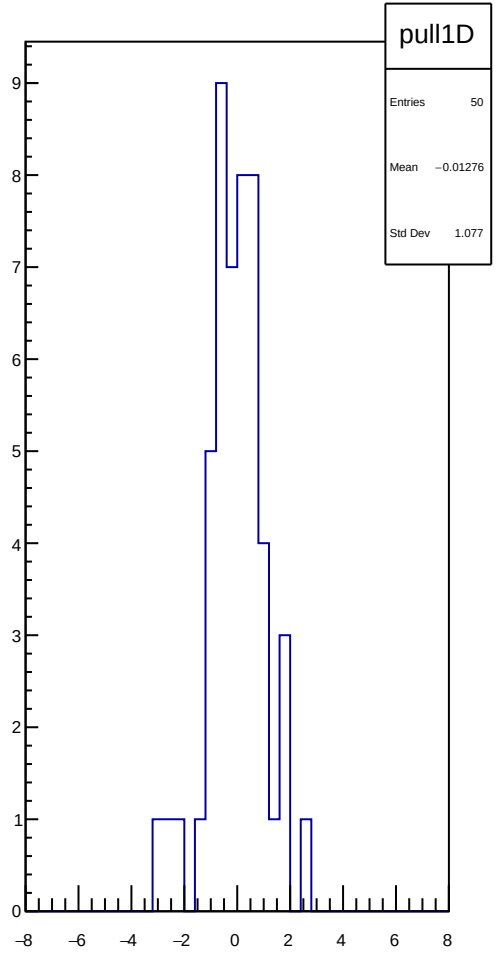
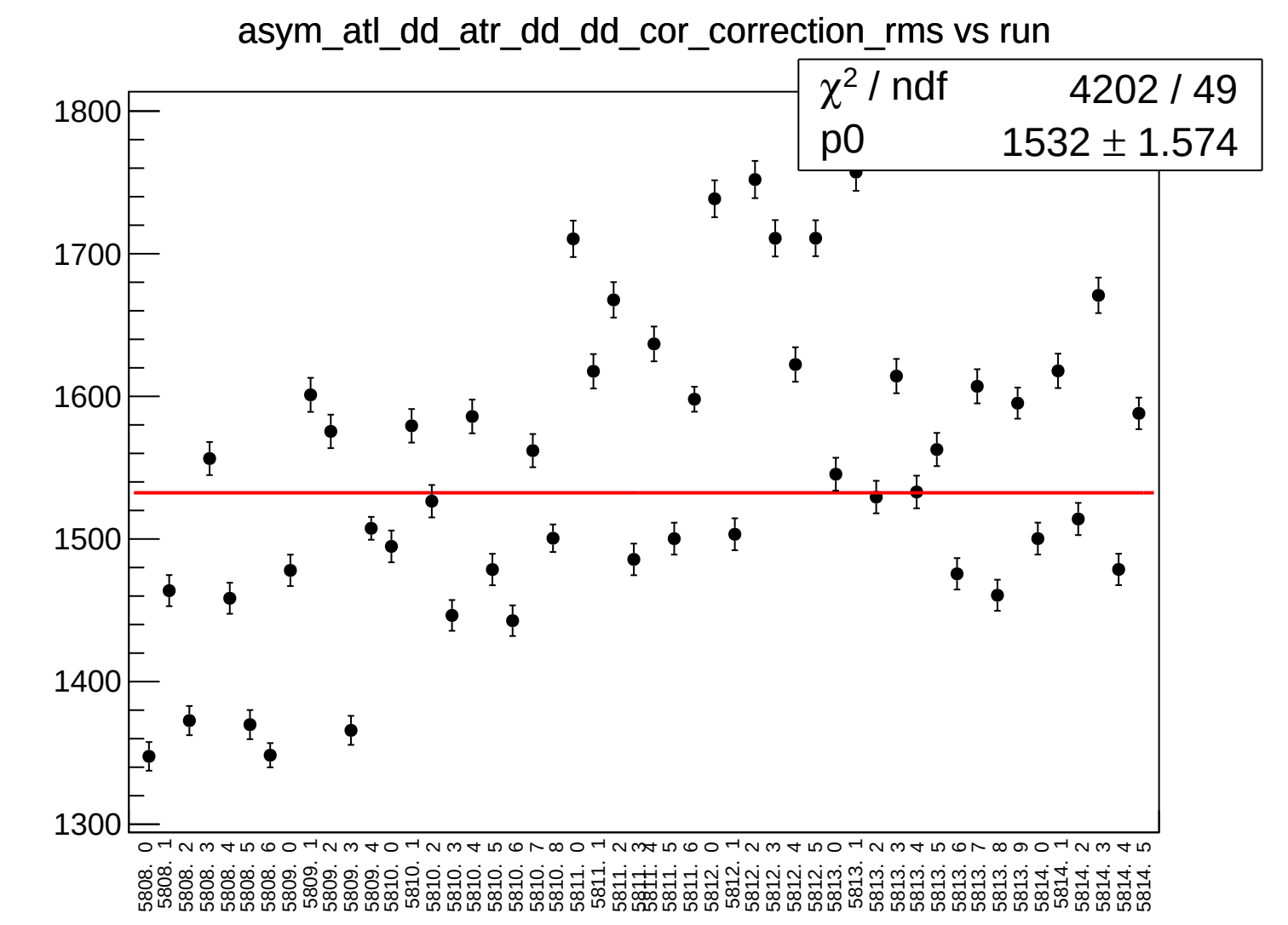

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5453 ± 2226
pull
Entries 50
Mean −246.6
Std Dev 0


pull1D
Entries 50
Mean −0.01276
Std Dev 1.077


asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 2
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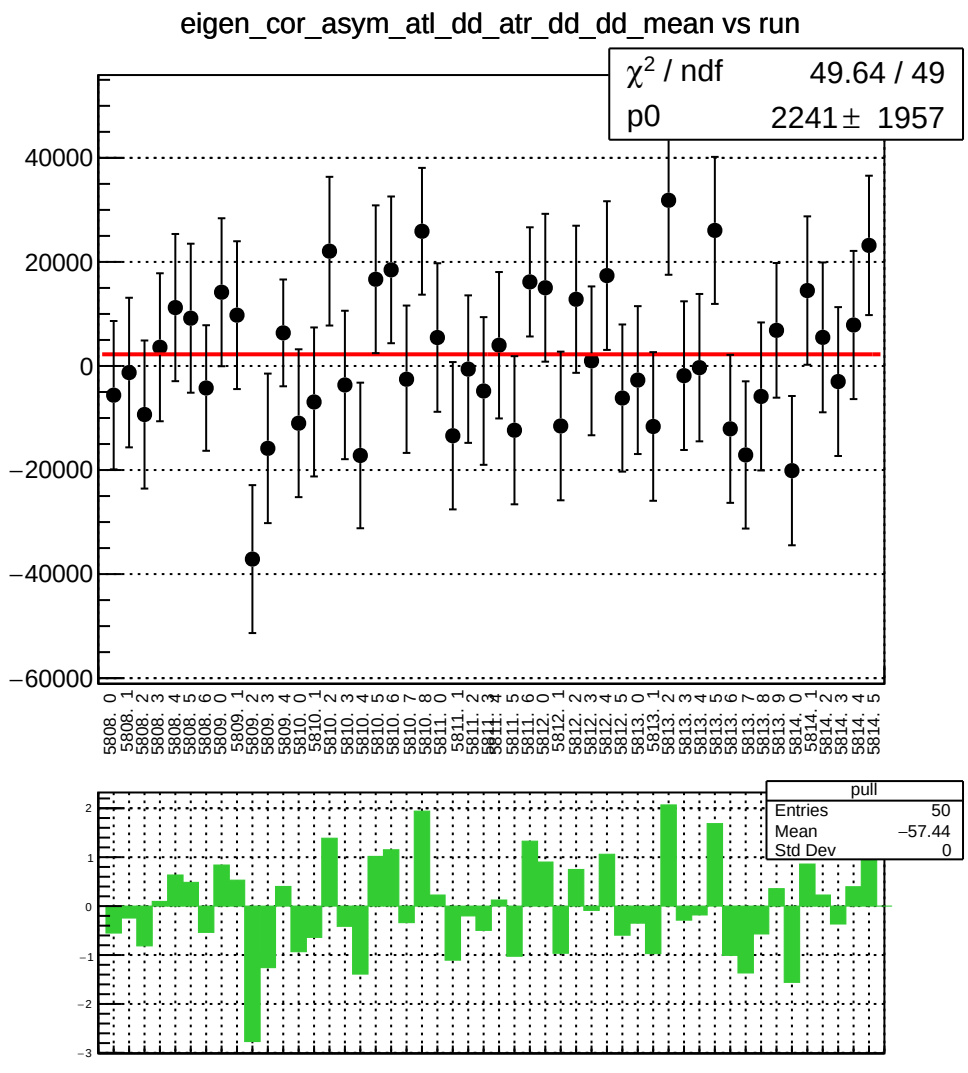
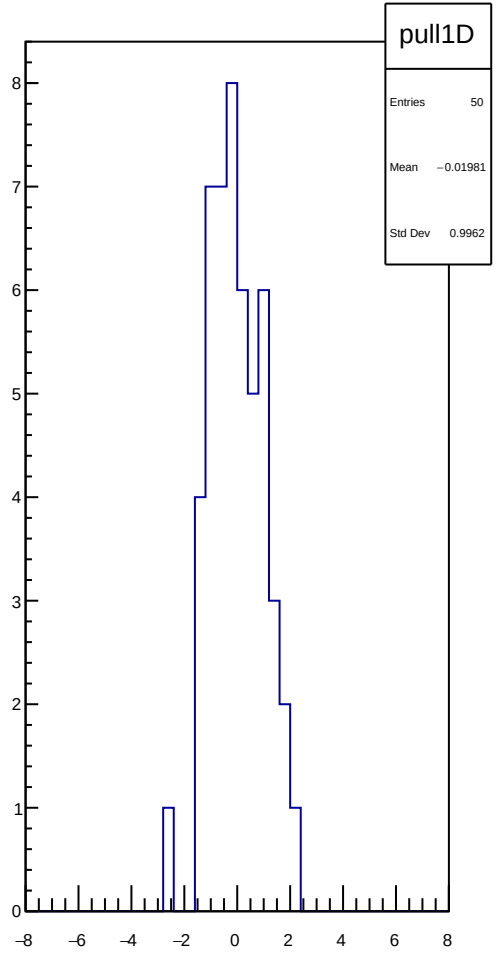
5814. 5


eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.64 / 49
p0 2241 ± 1957
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −57.44
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962
8
7
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5
4
3
2
1
0
−8
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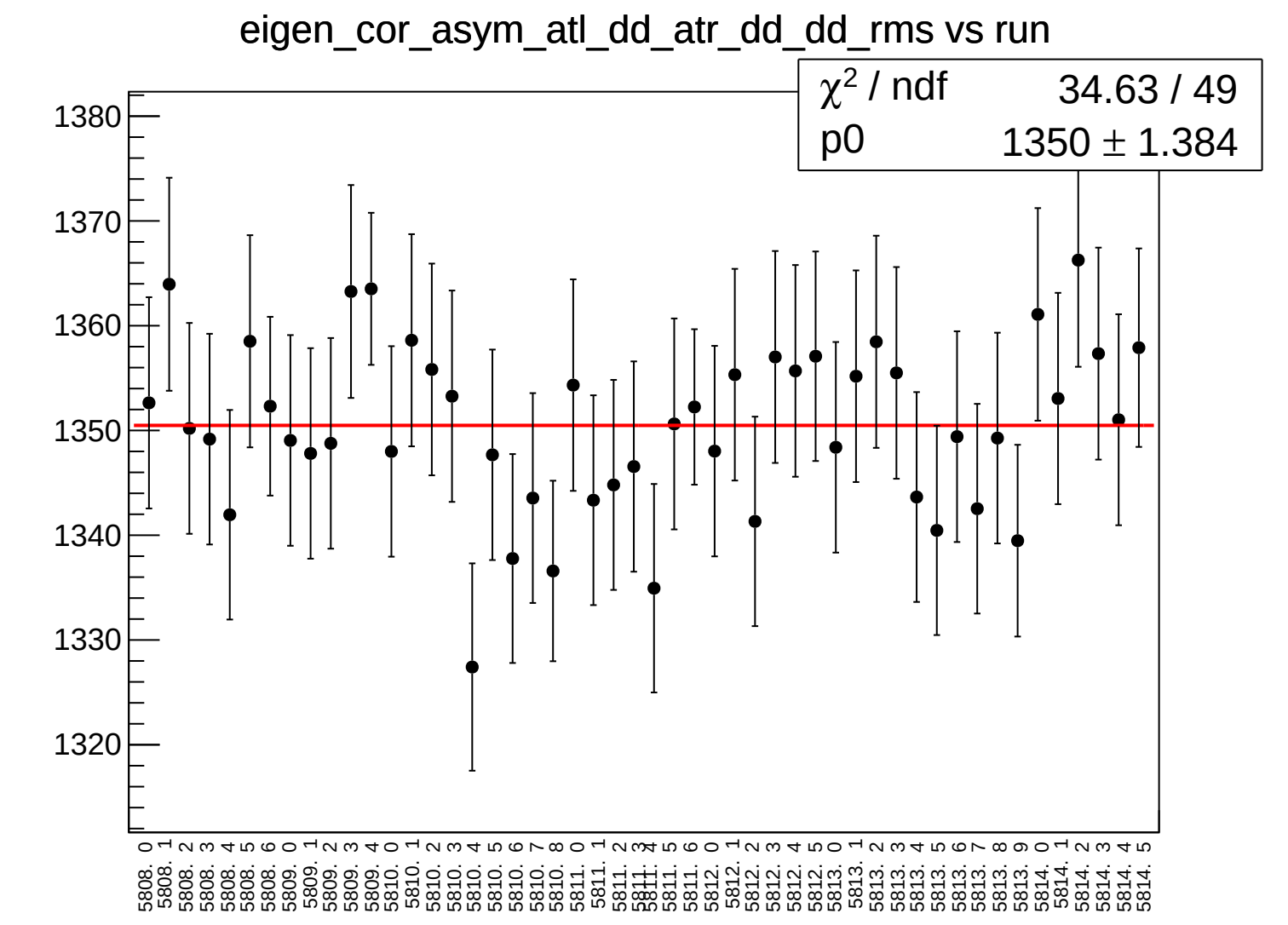
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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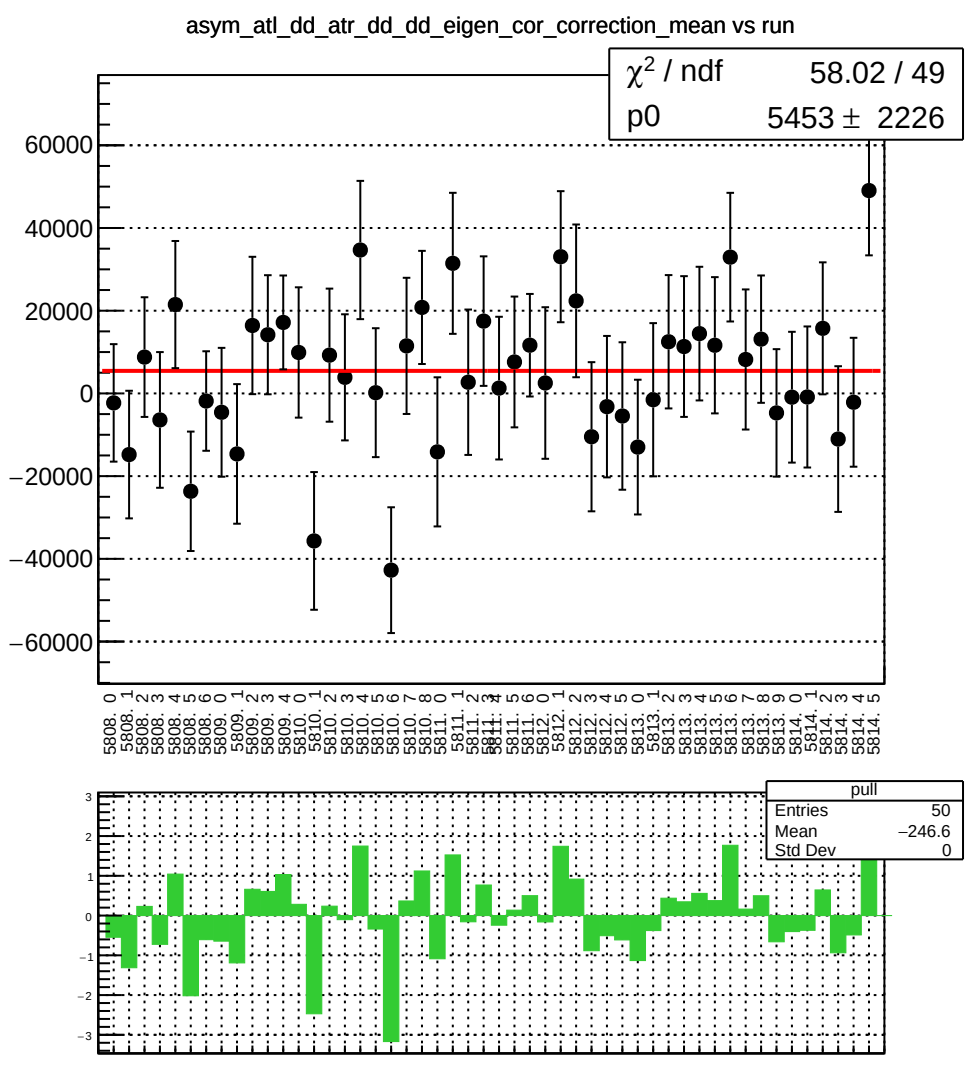
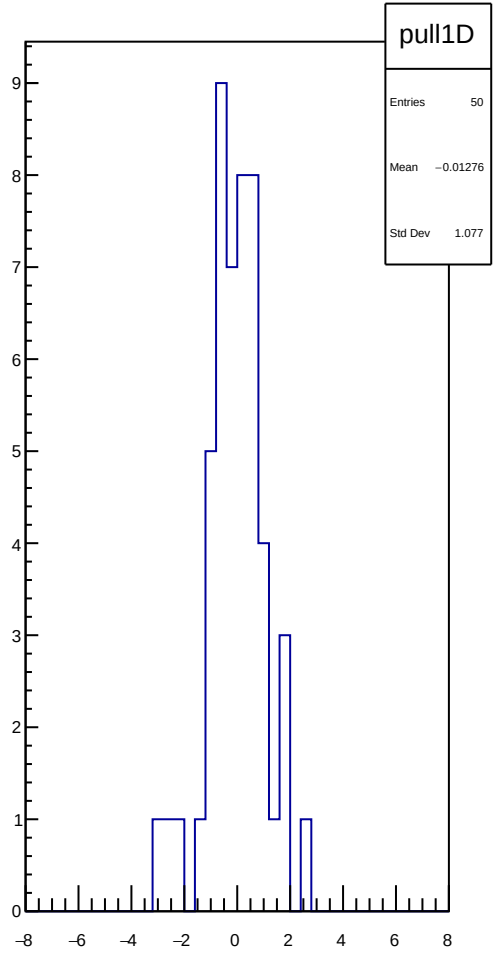
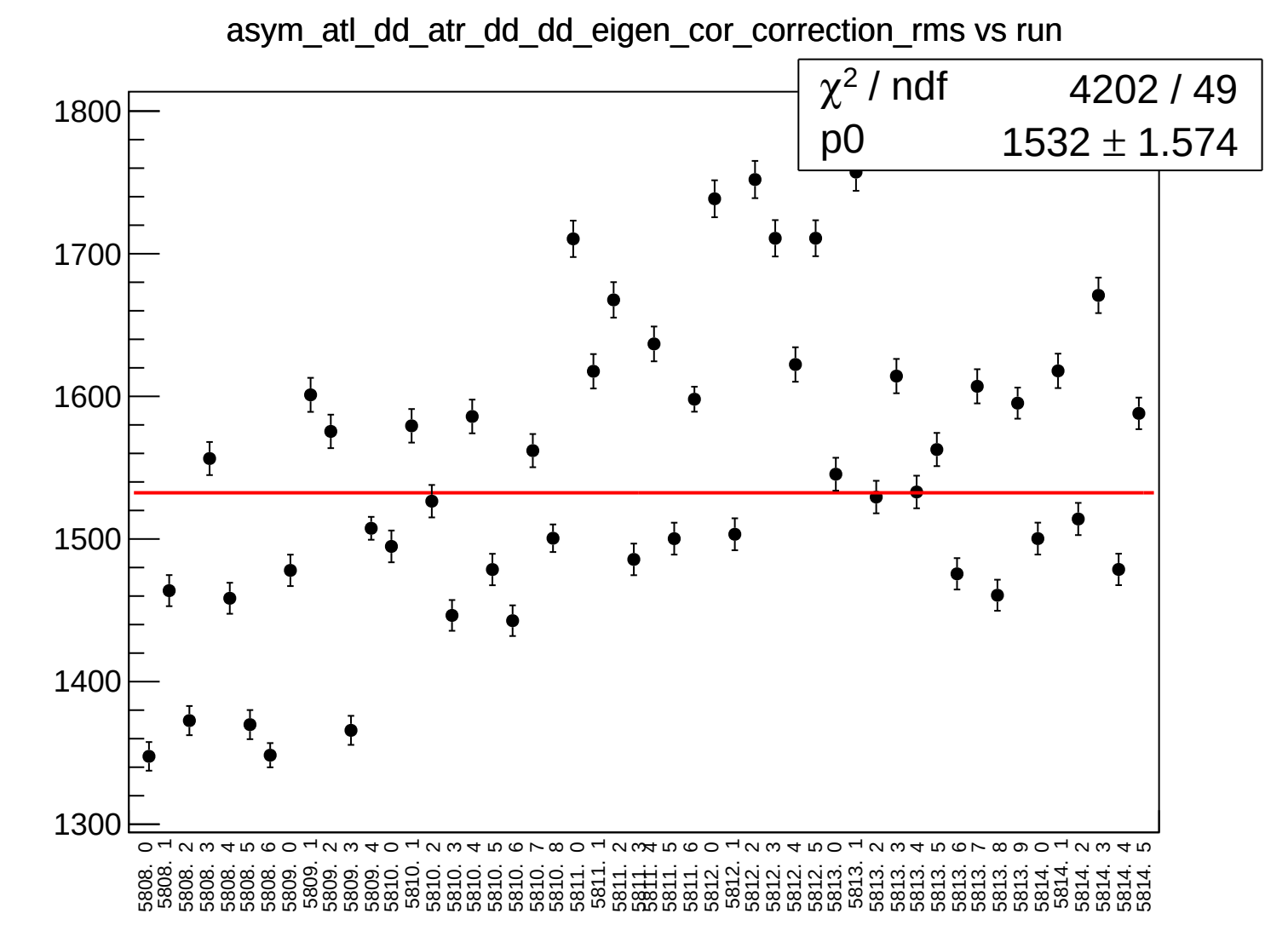
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5453 ± 2226
pull
Entries 50
Mean −246.6
Std Dev 0


pull1D
Entries 50
Mean −0.01276
Std Dev 1.077


asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
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5812. 3
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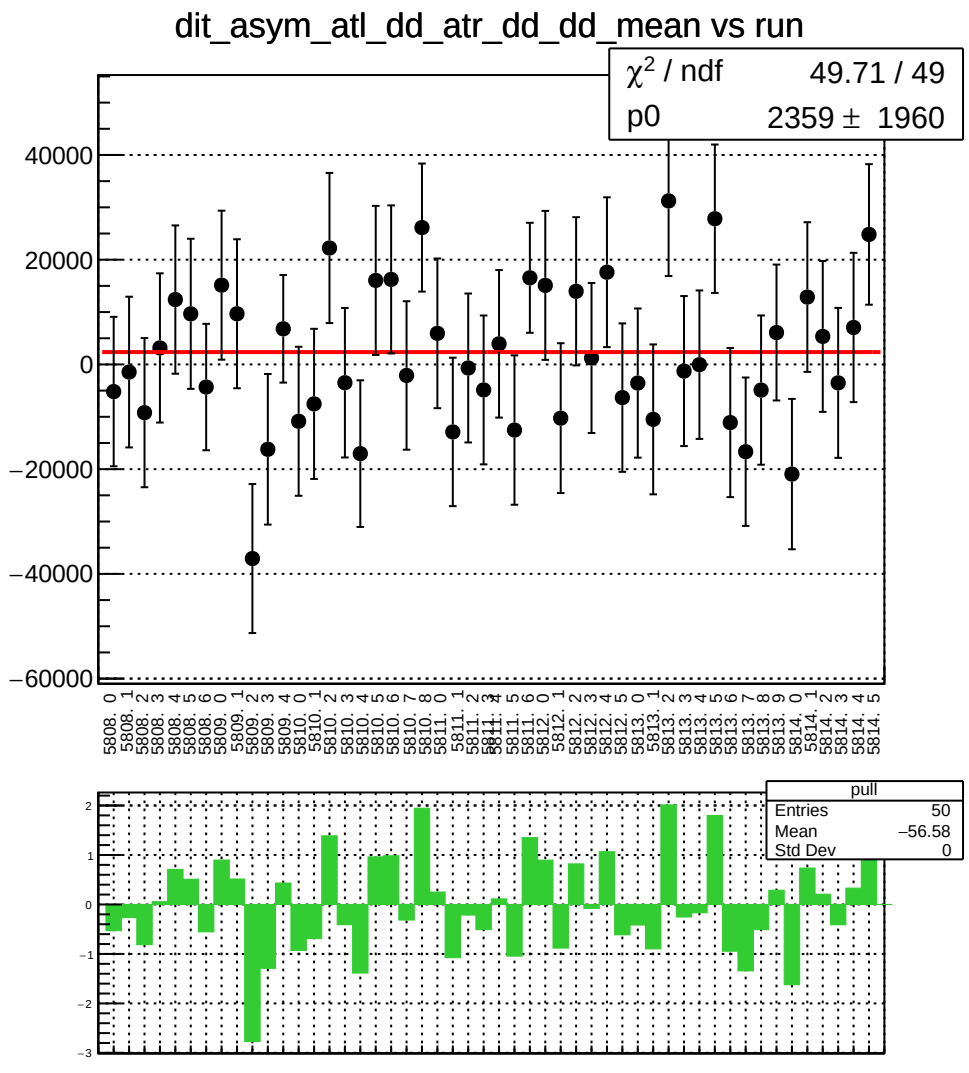
5814. 5


dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.71 / 49
p0 2359 ± 1960
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
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5813. 4
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −56.58
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01993
Std Dev 0.9969
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5
4
3
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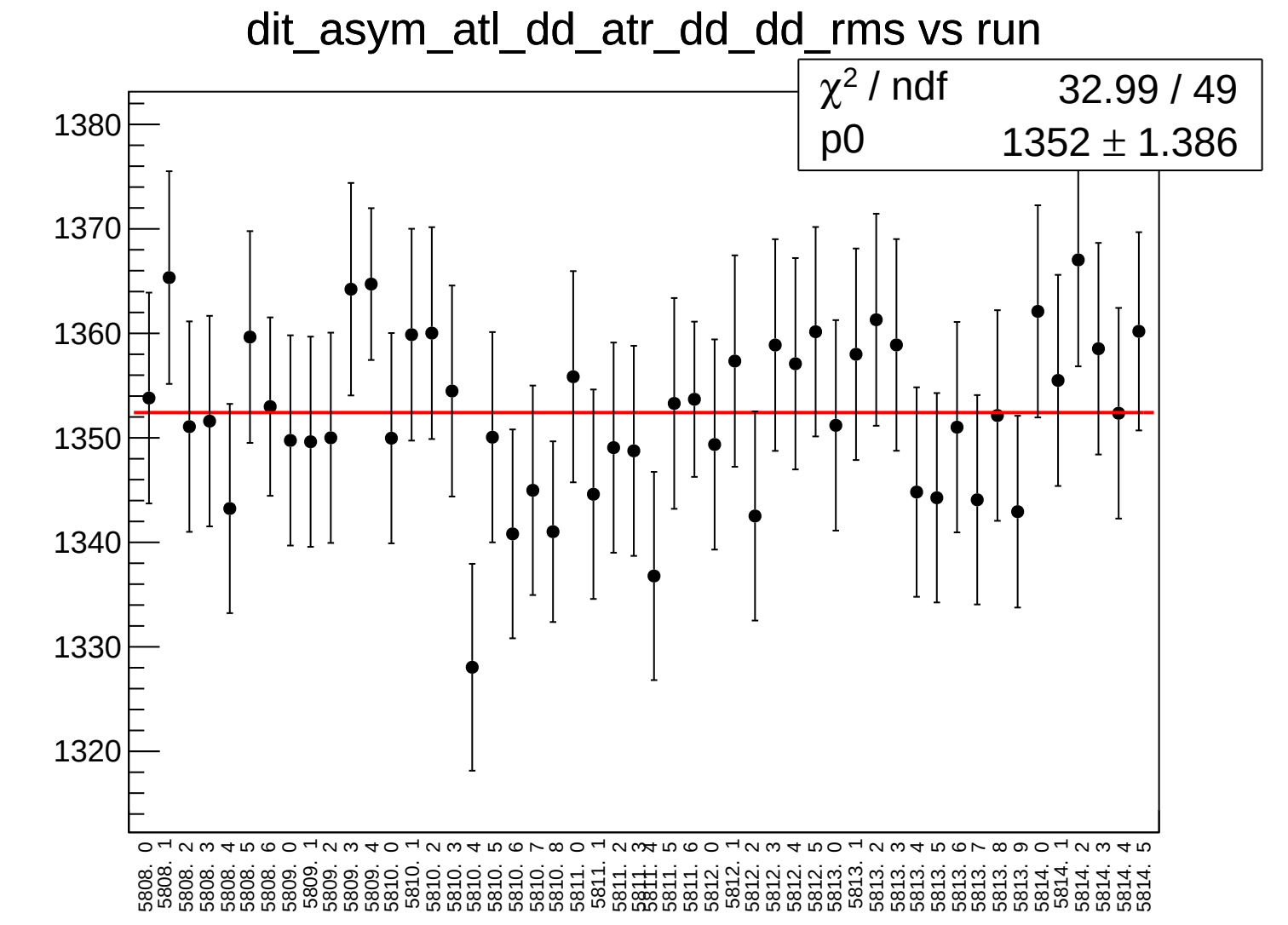
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 32.99 / 49
p0 1352 ± 1.386
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
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5813. 4
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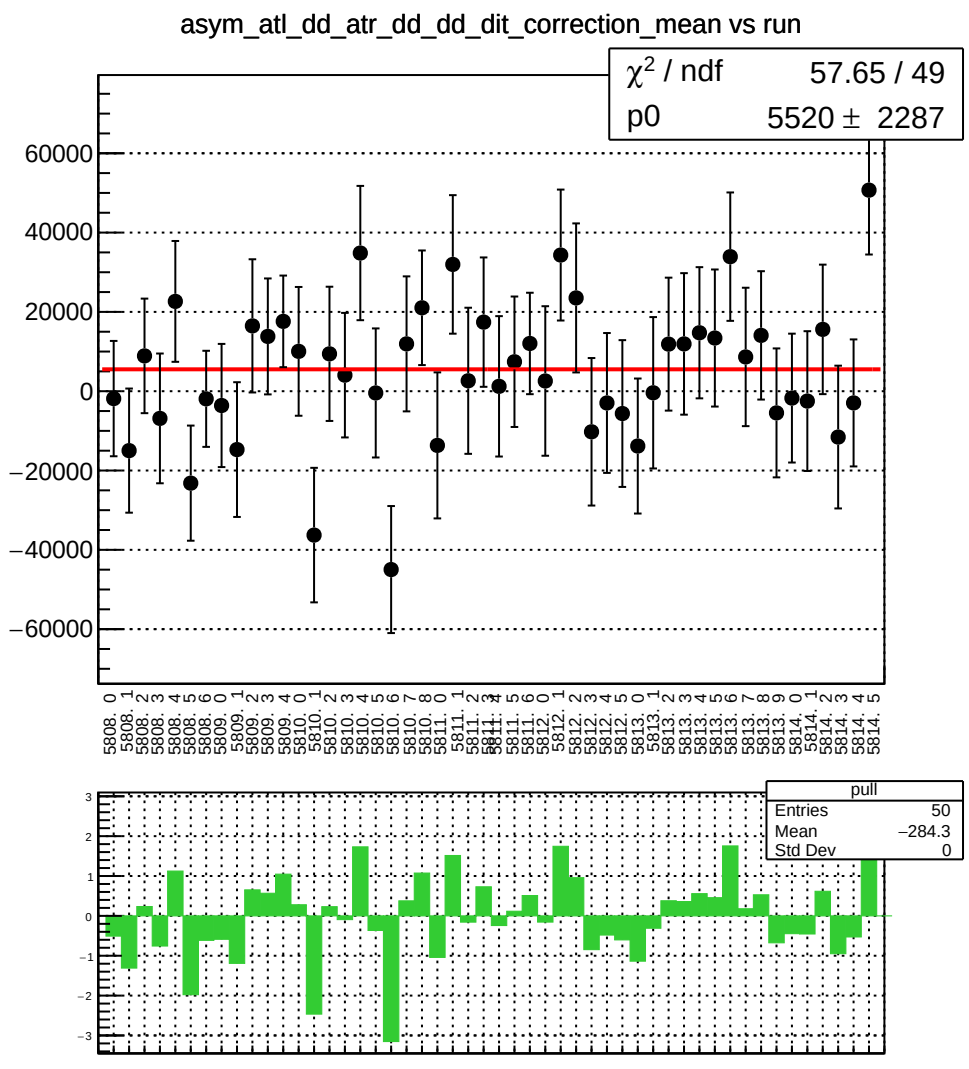
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 57.65 / 49
p0 5520 ± 2287
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
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5813. 0
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
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5814. 5
pull
Entries 50
Mean −284.3
Std Dev 0
3
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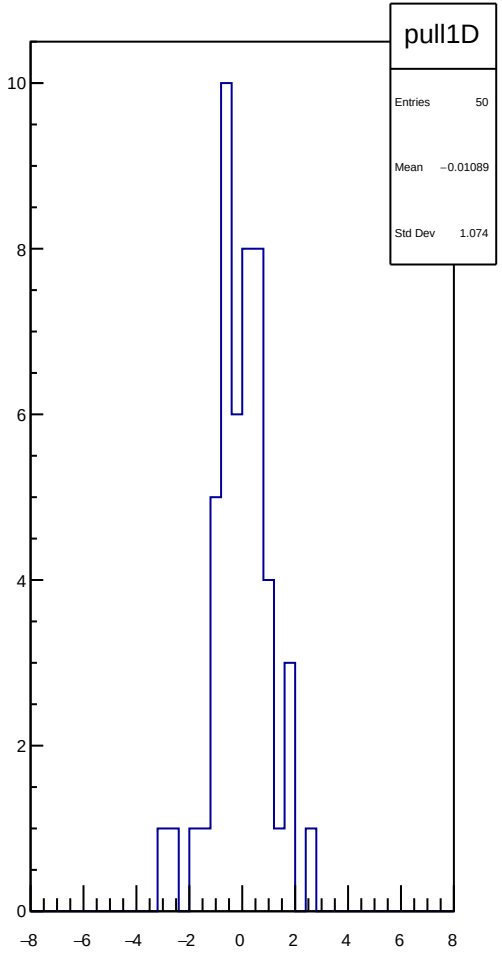
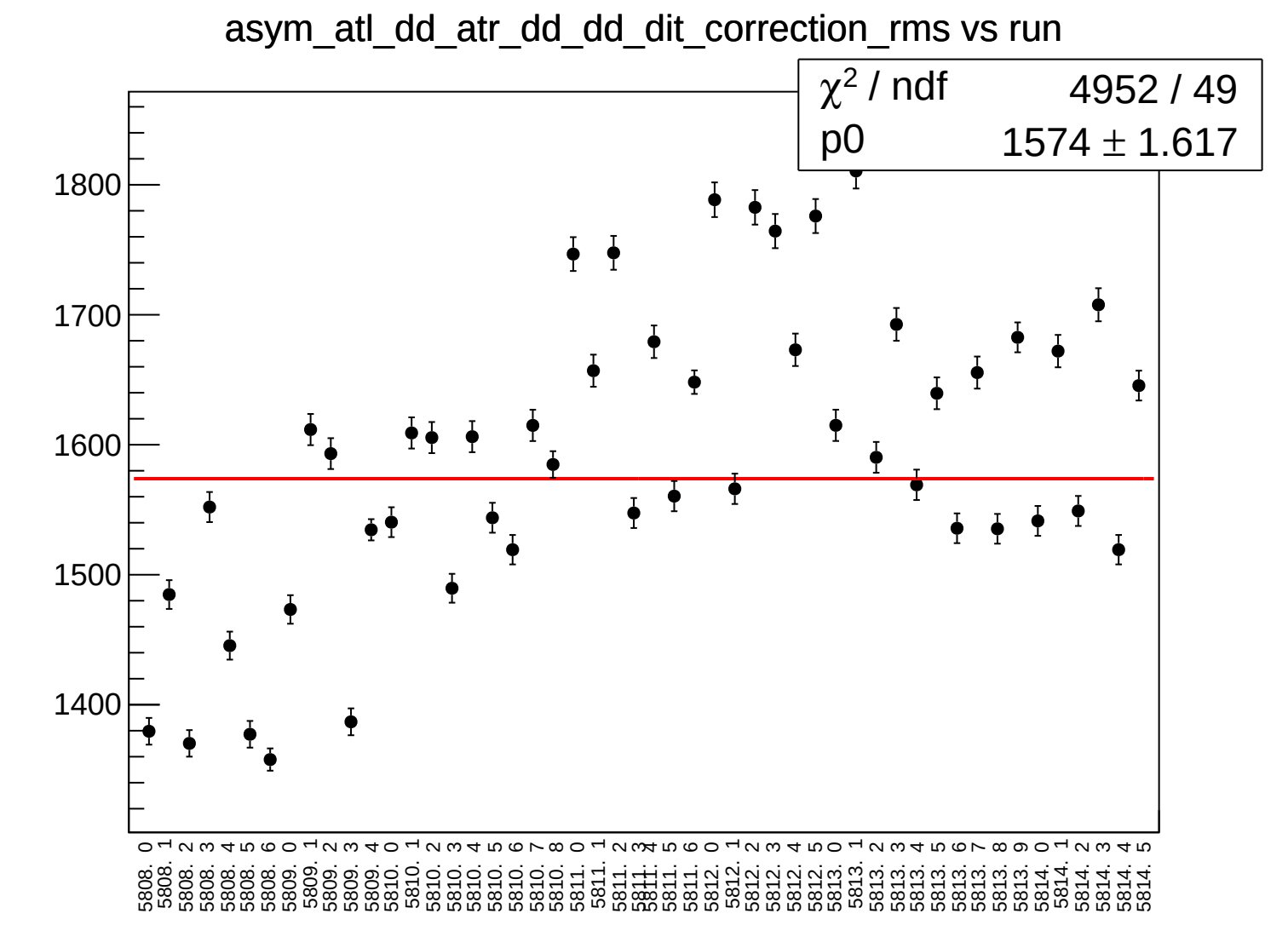
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01089
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 4952 / 49
p0 1574 ± 1.617
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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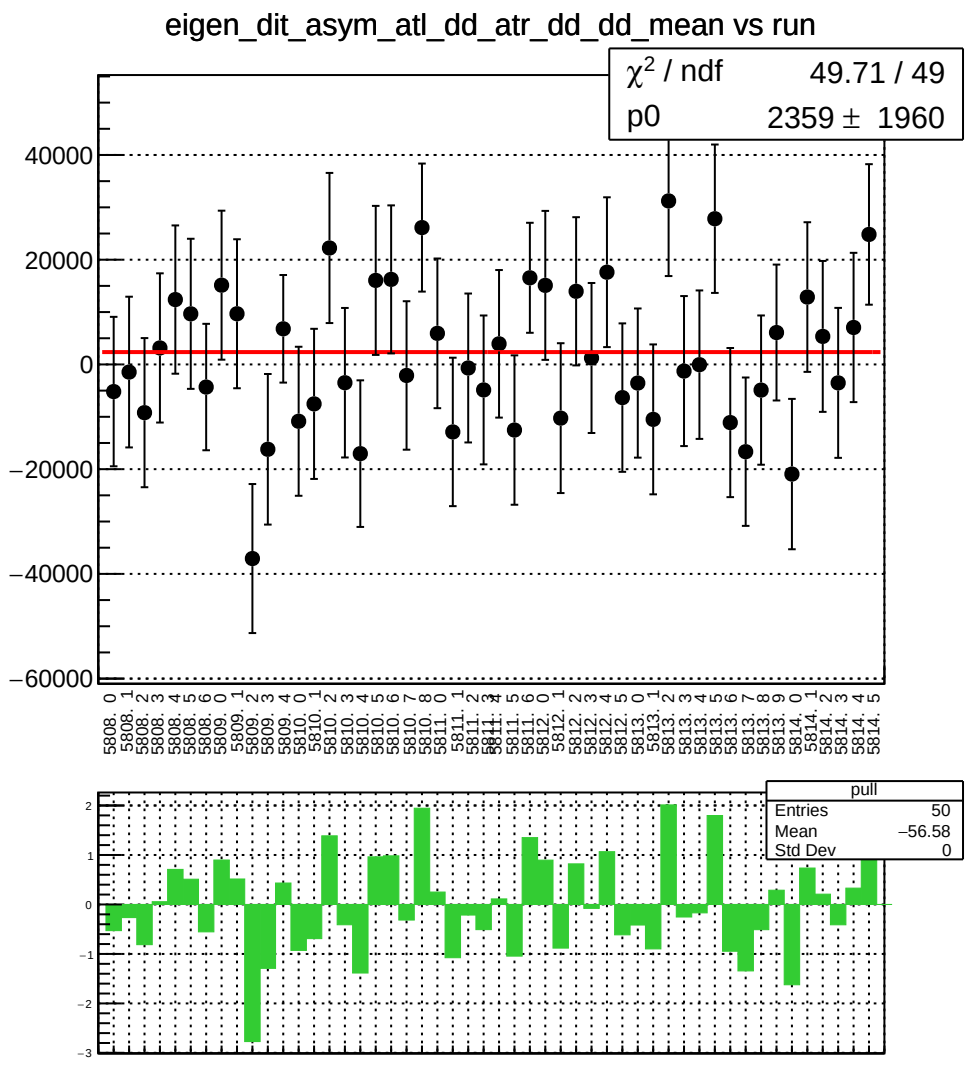
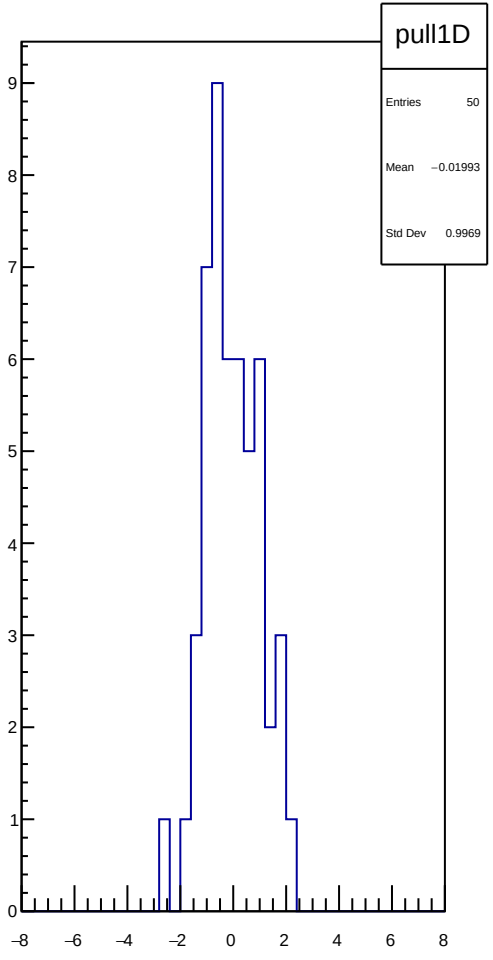
5814. 5


eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 49.71 / 49
p0 2359 ± 1960
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −56.58
Std Dev 0
2
1
0
−1
−2
−3


pull1D
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Mean −0.01993
Std Dev 0.9969
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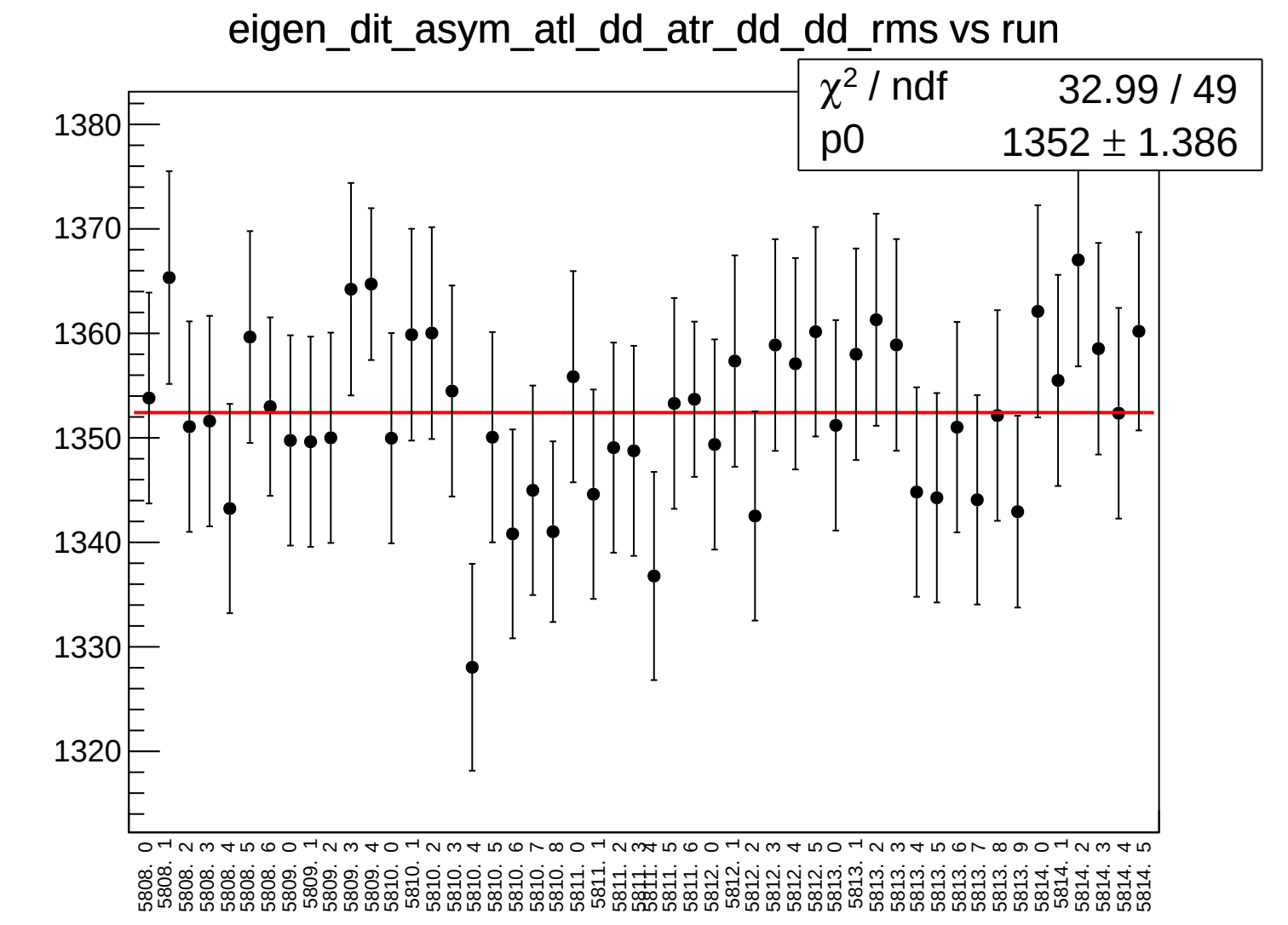
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 32.99 / 49
p0 1352 ± 1.386
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
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5811. 0
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5811. 2
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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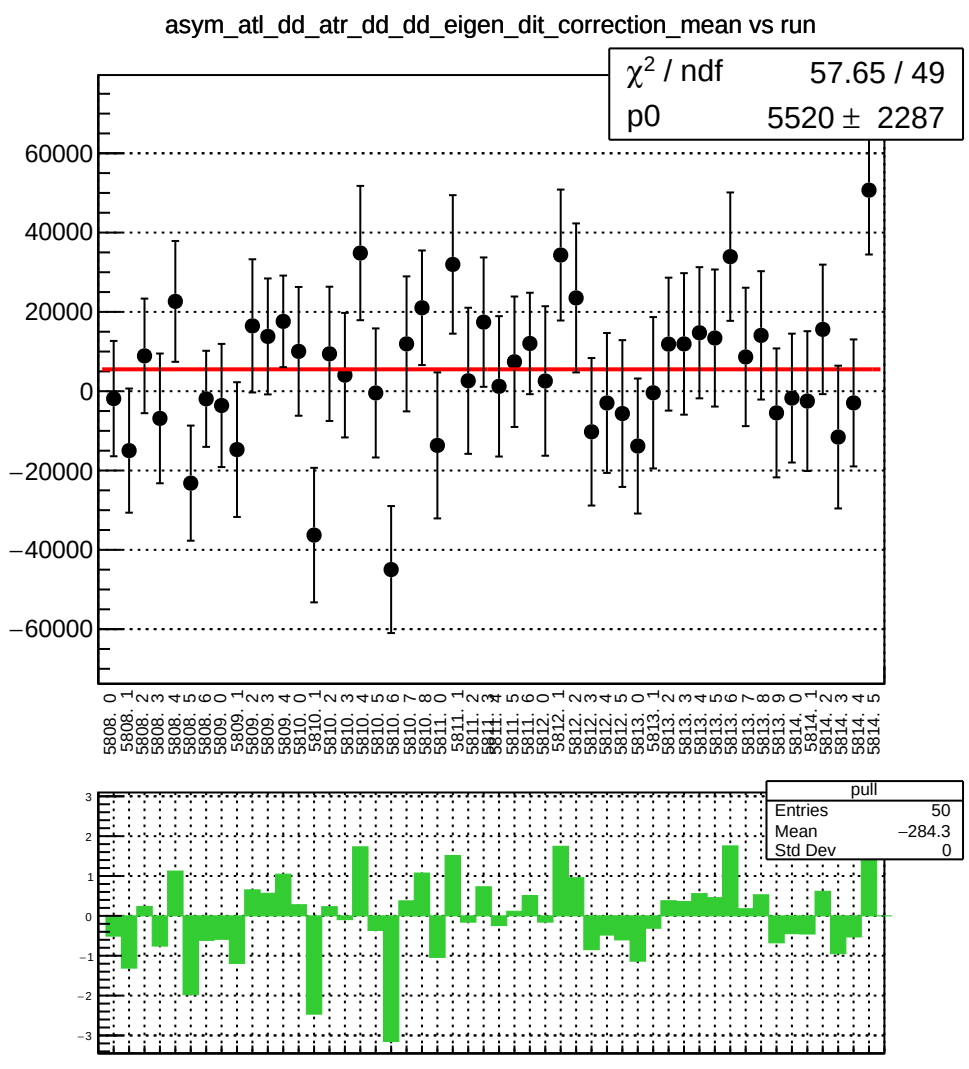
asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 57.65 / 49
p0 5520 ± 2287
60000
40000
20000
0
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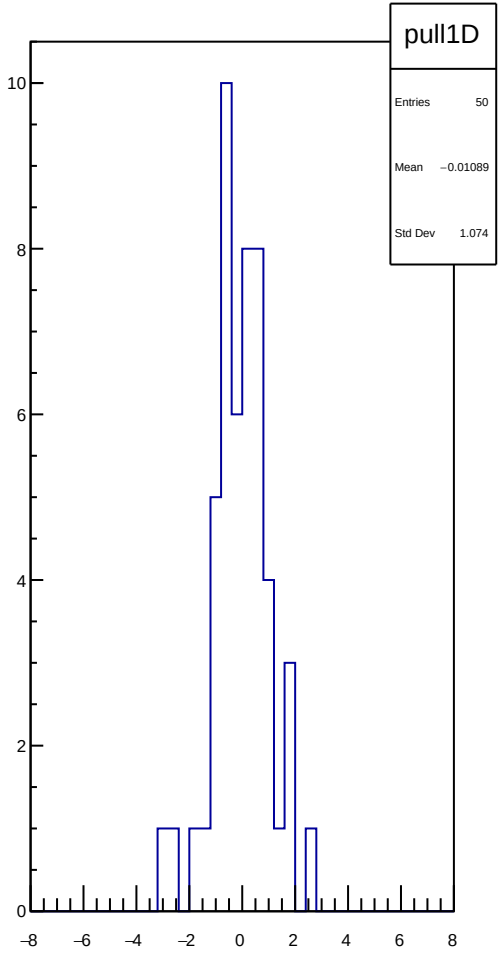
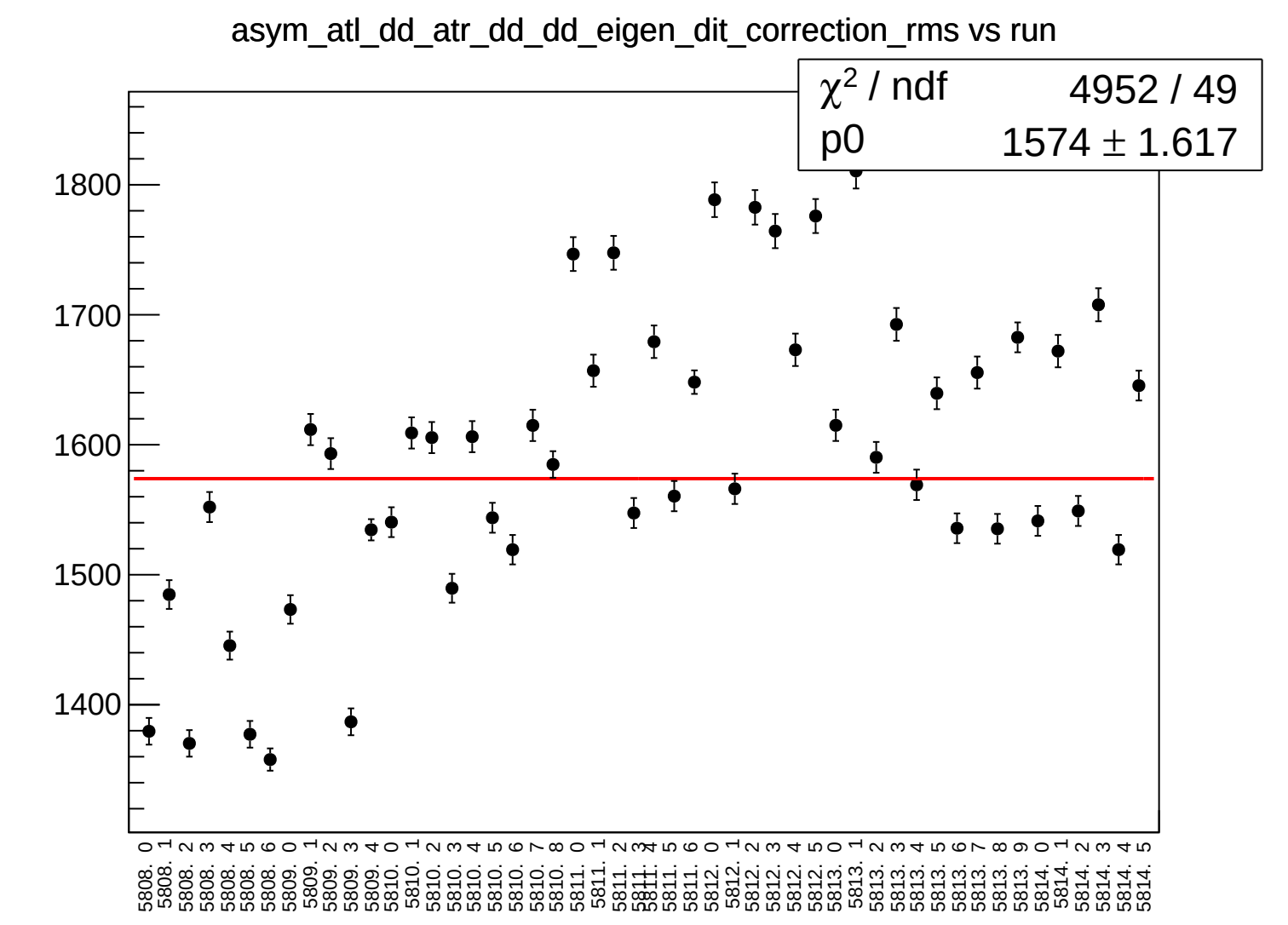
−40000
−60000
pull
Entries 50
Mean −284.3
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01089
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4952 / 49
p0 1574 ± 1.617
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5813. 1
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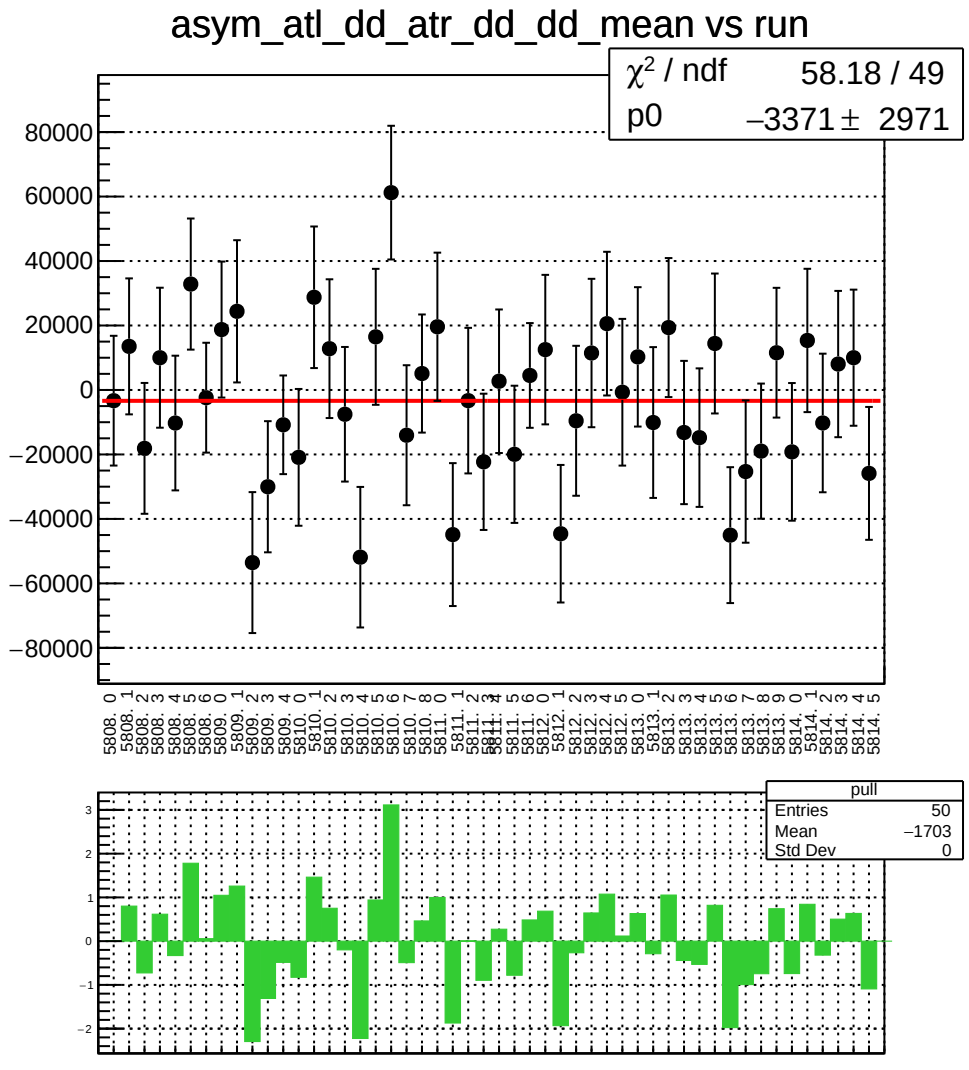
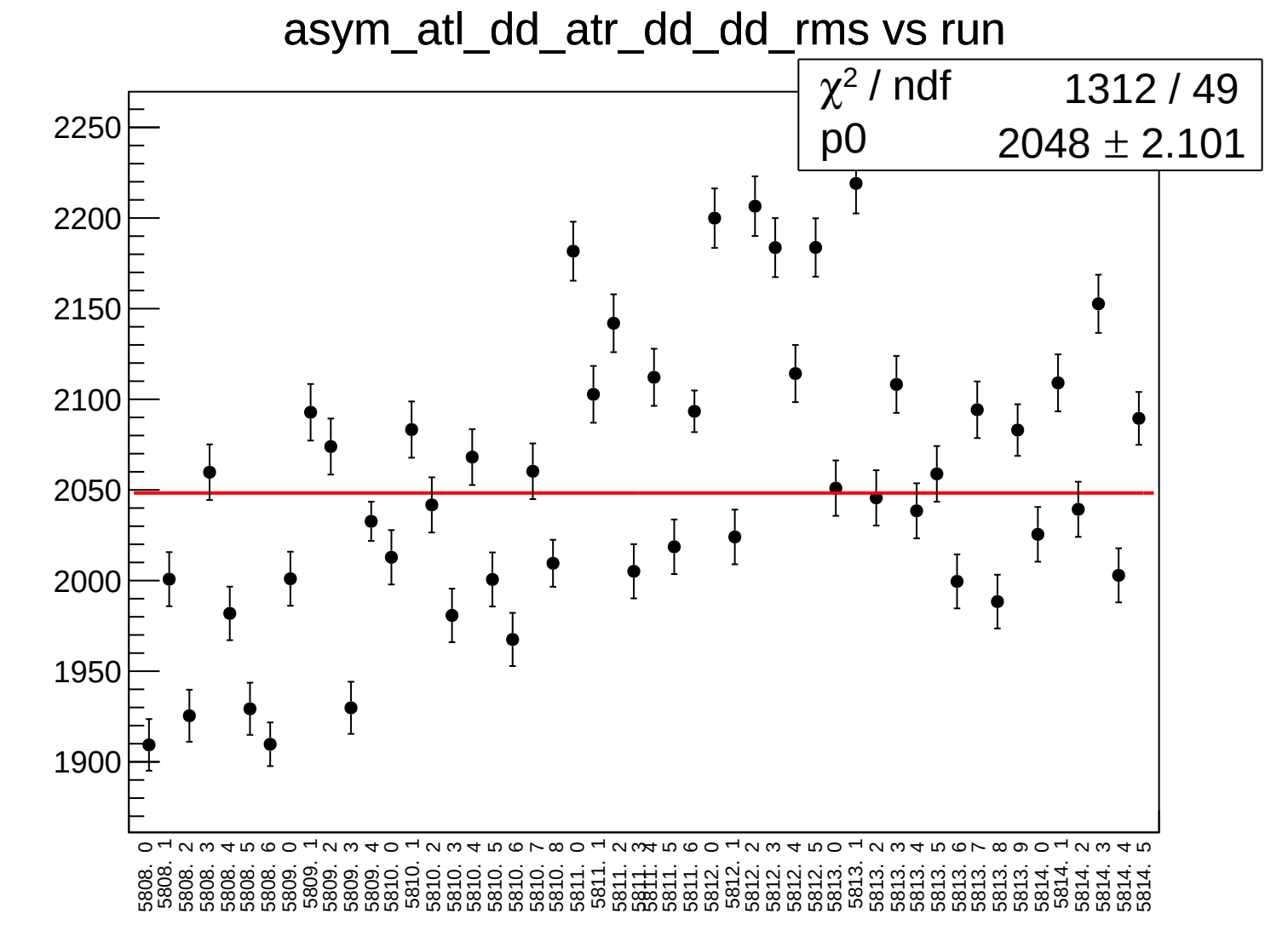
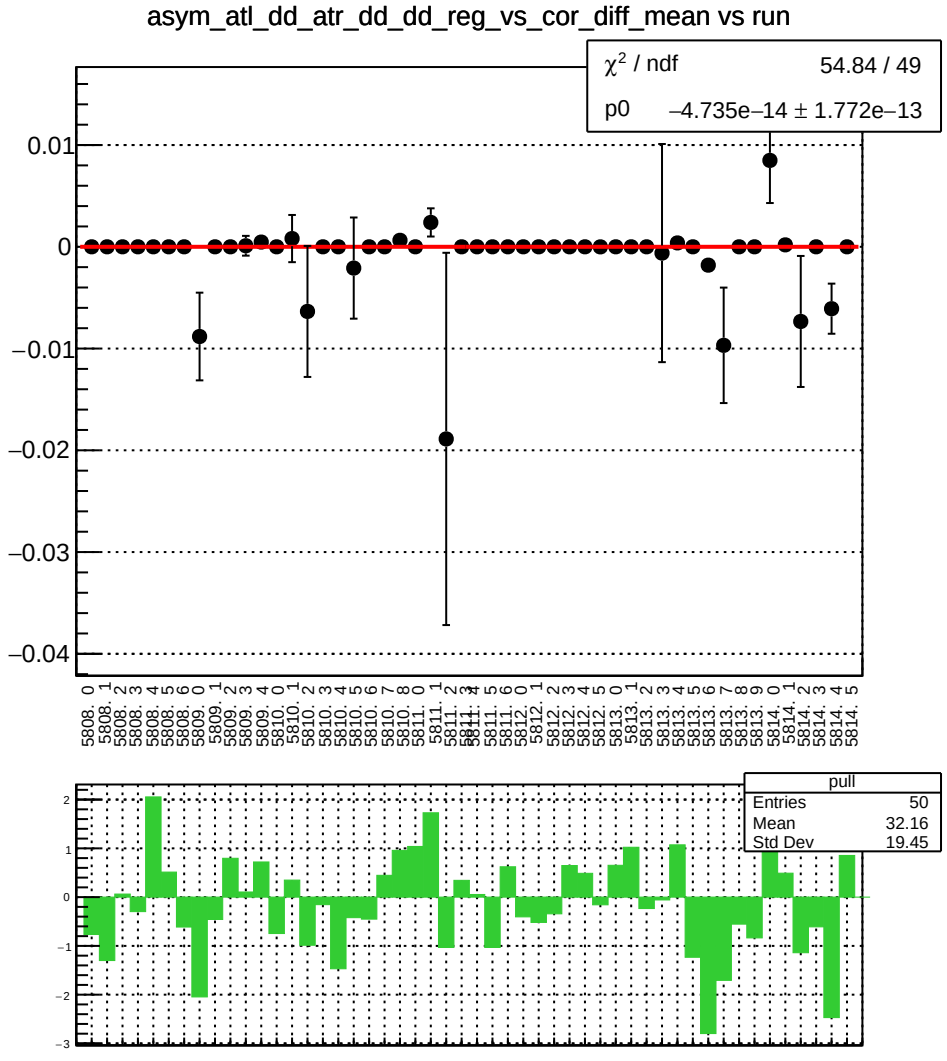
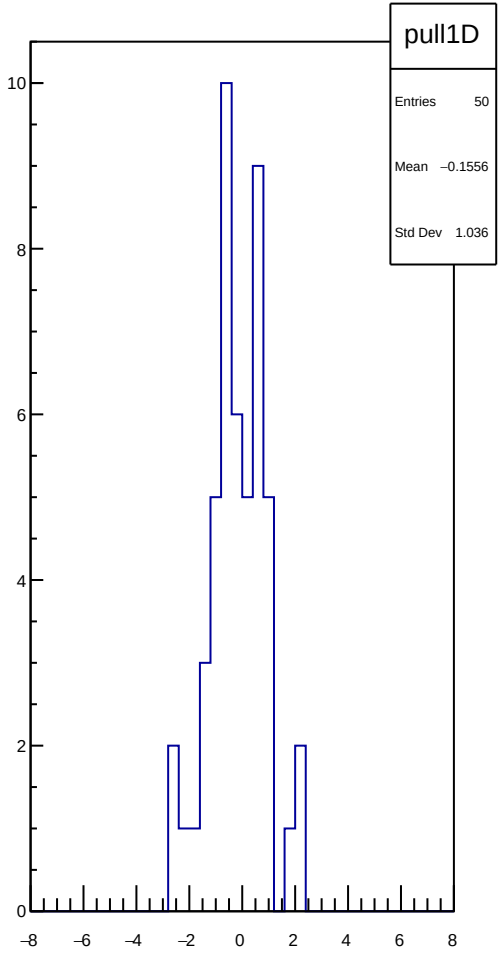
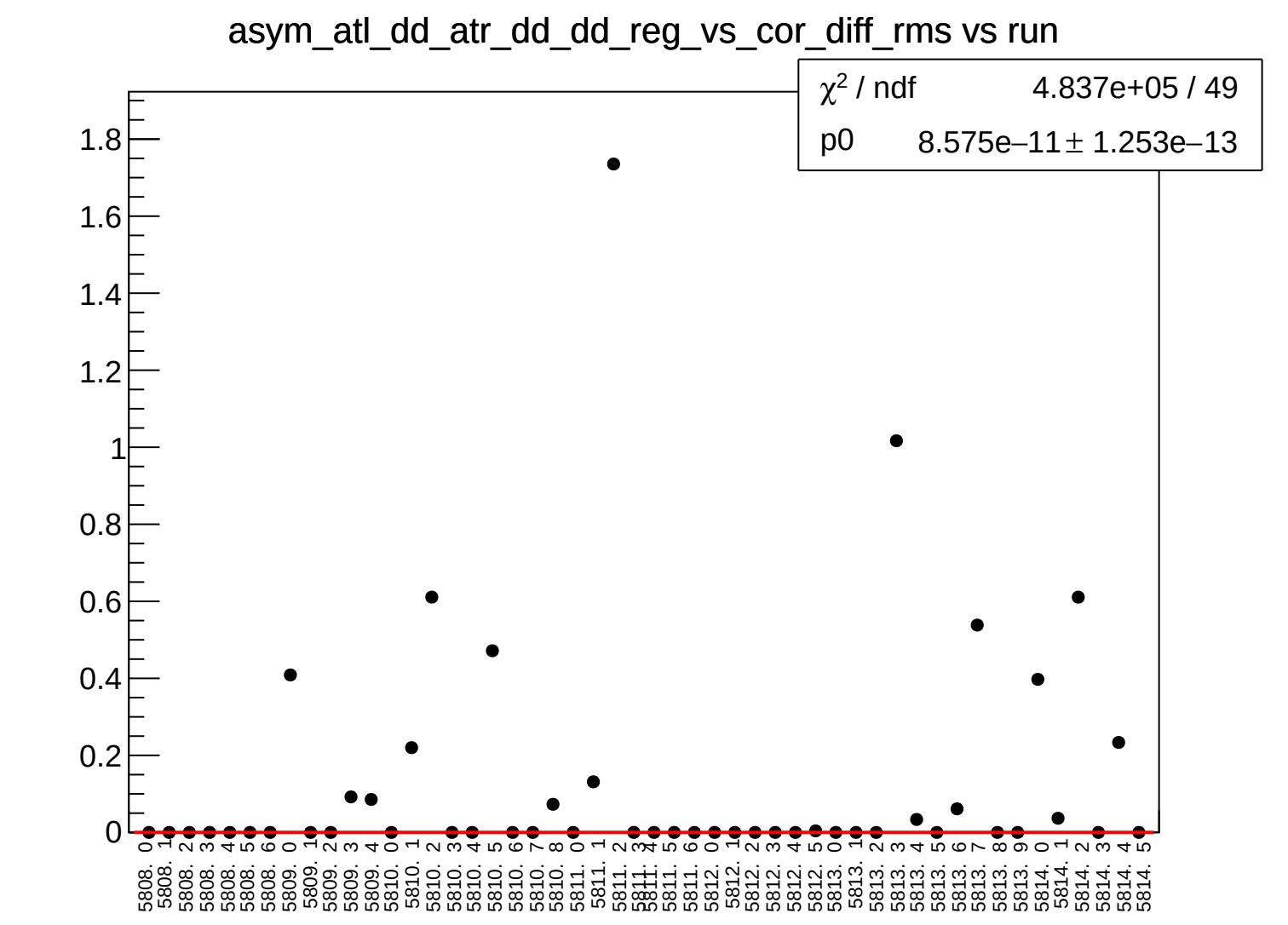
5814. 5

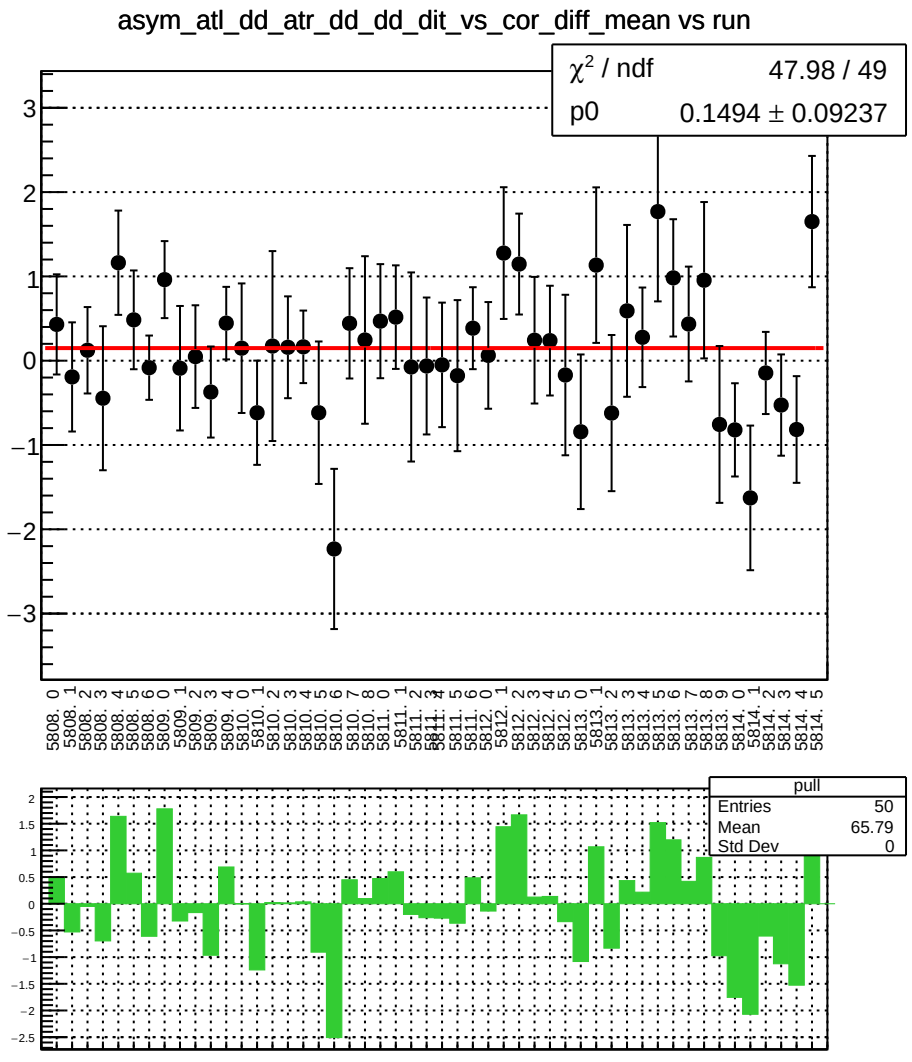

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 58.18 / 49
p0 −3371 ± 2971
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1703
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.0008381
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

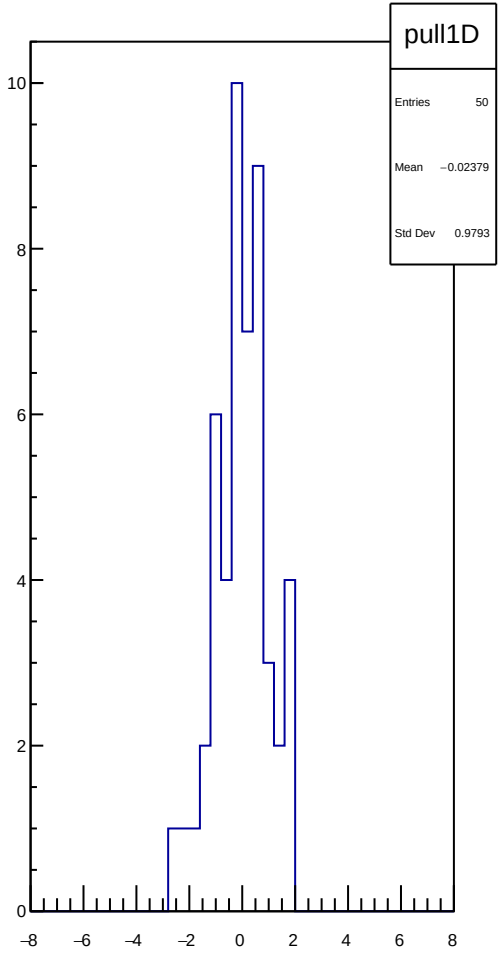

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 1312 / 49
p0 2048 ± 2.101
2250
2200
2150
2100
2050
2000
1950
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

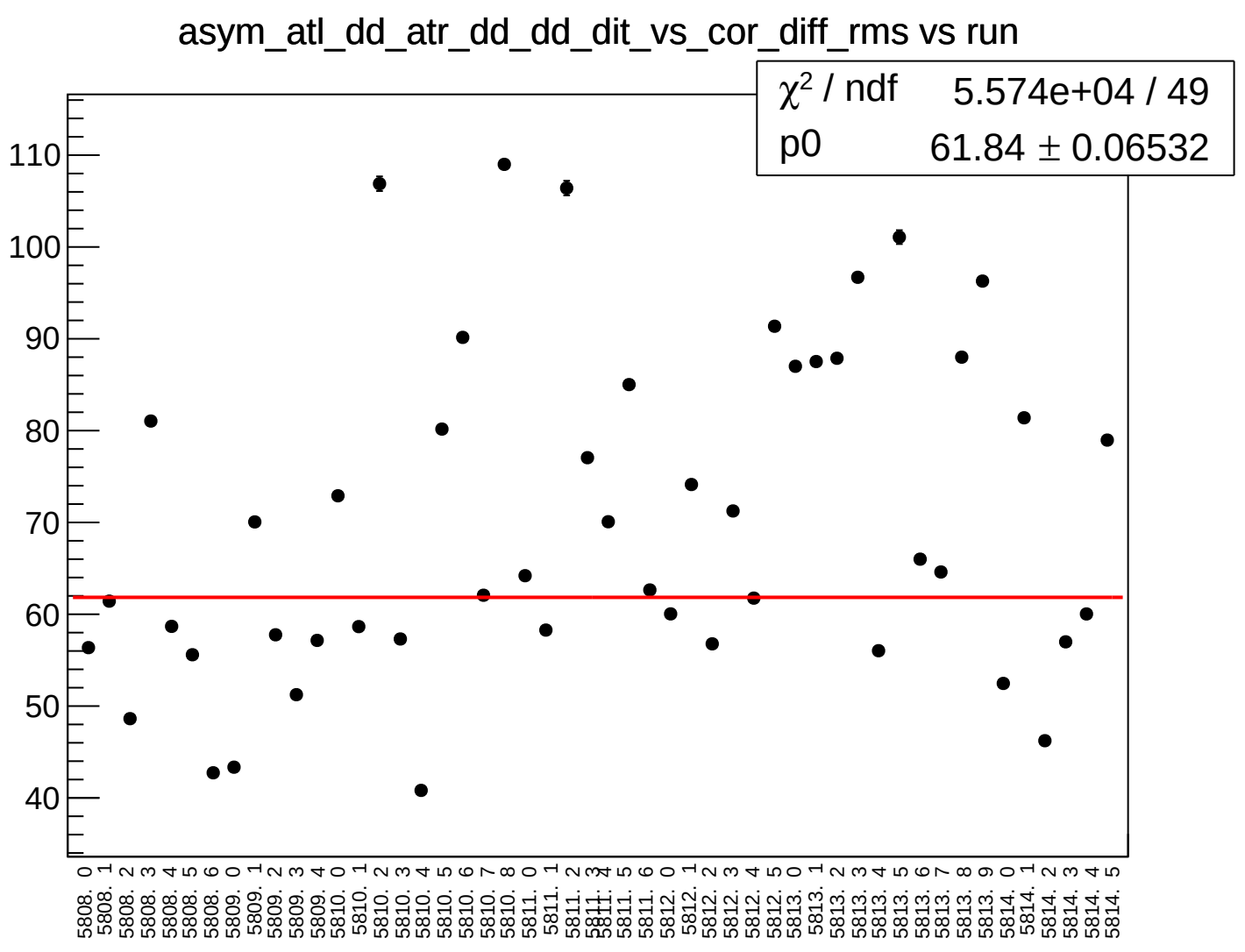

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.84 / 49
p0 −4.735e−14 ± 1.772e−13
pull
Entries 50
Mean 32.16
Std Dev 19.45

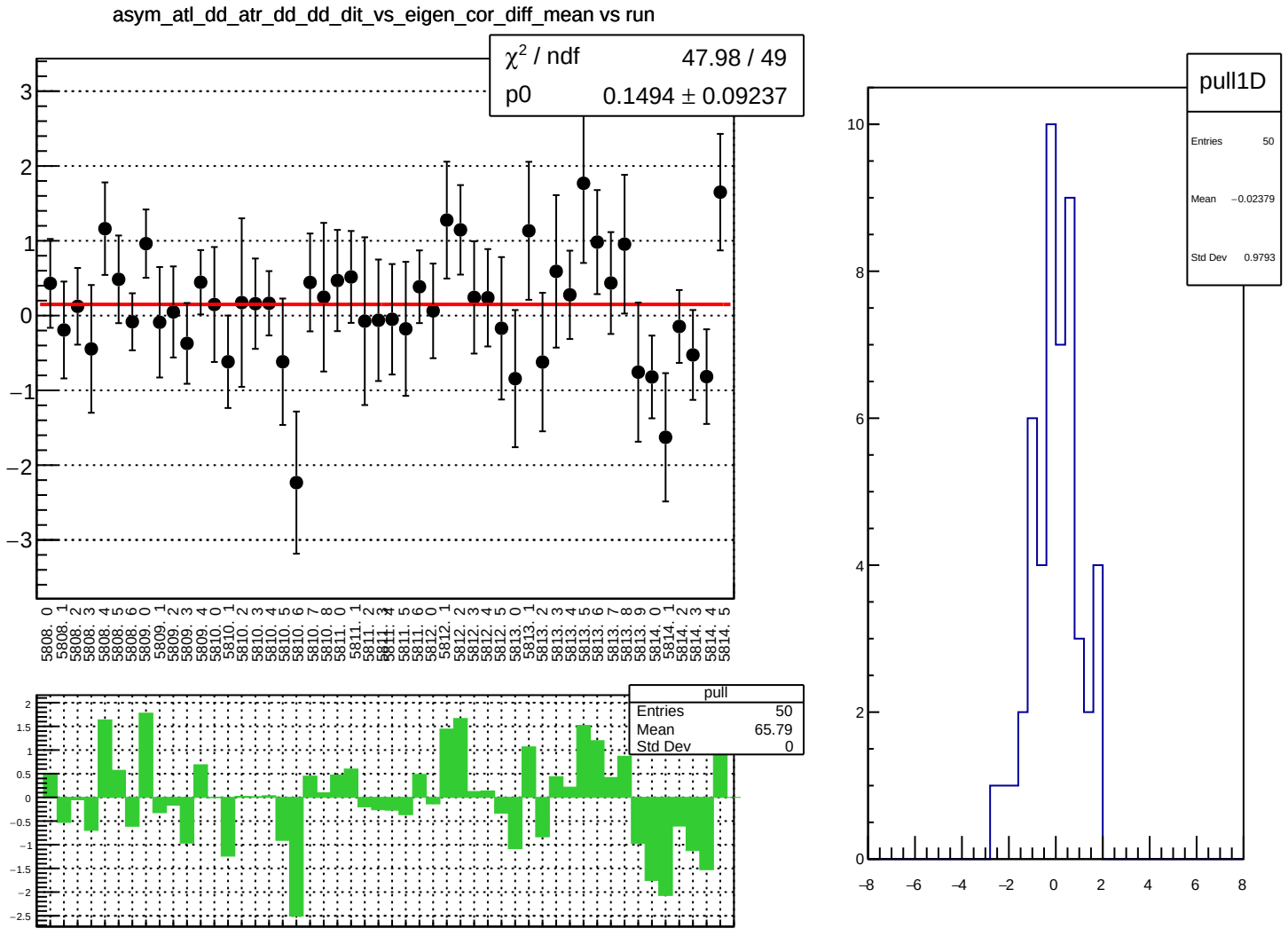

pull1D
Entries 50
Mean −0.1556
Std Dev 1.036

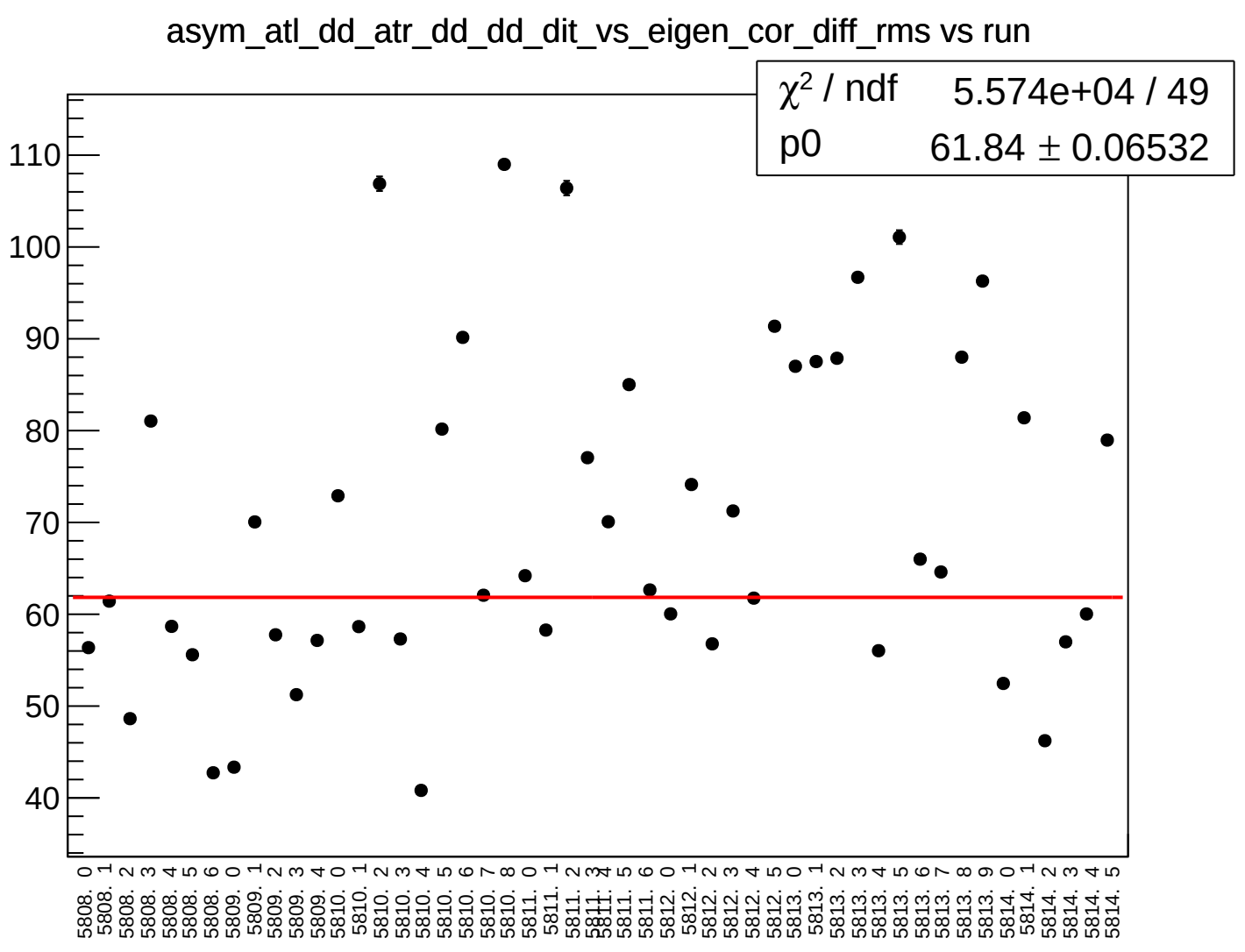

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.837e+05 / 49
p0 8.575e−11 ± 1.253e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

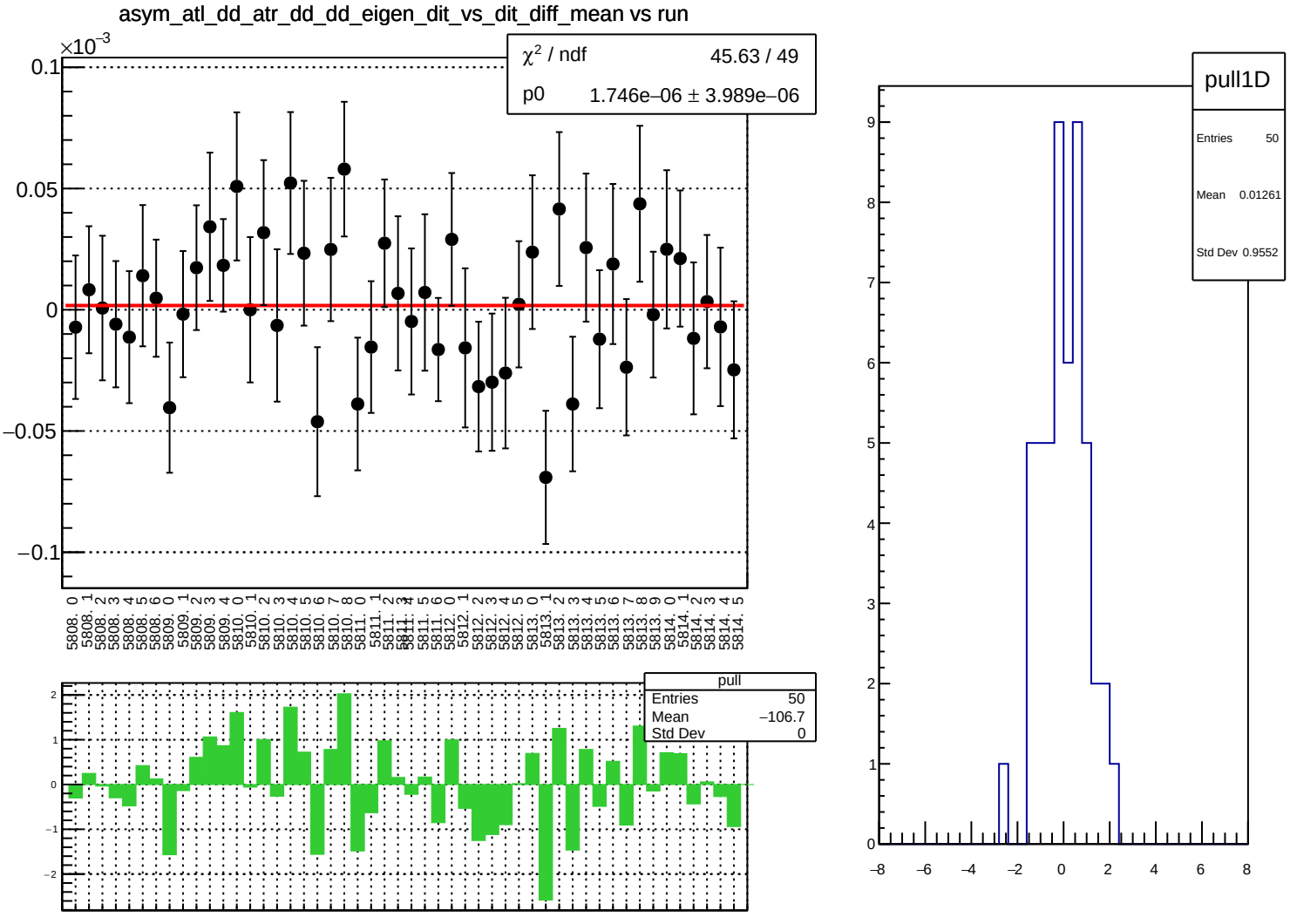

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0

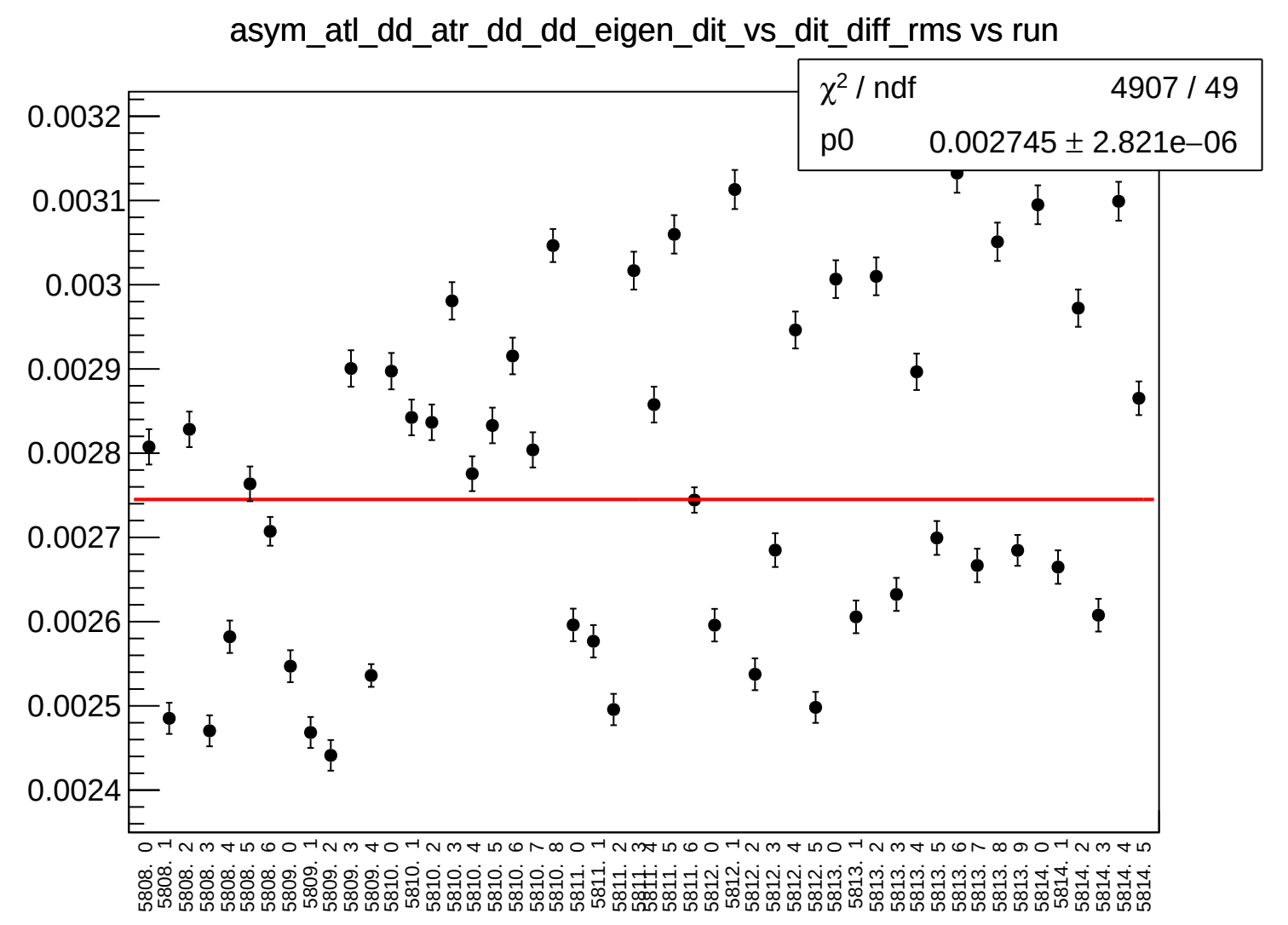

pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

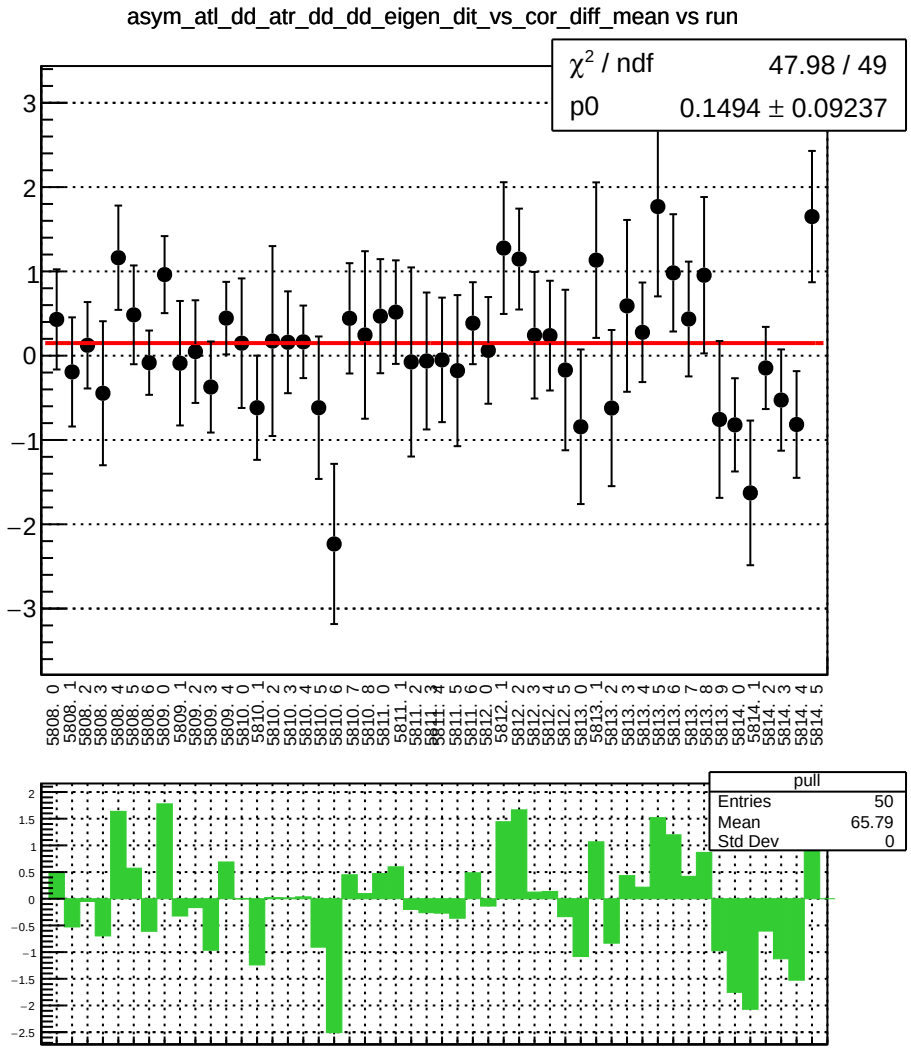

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

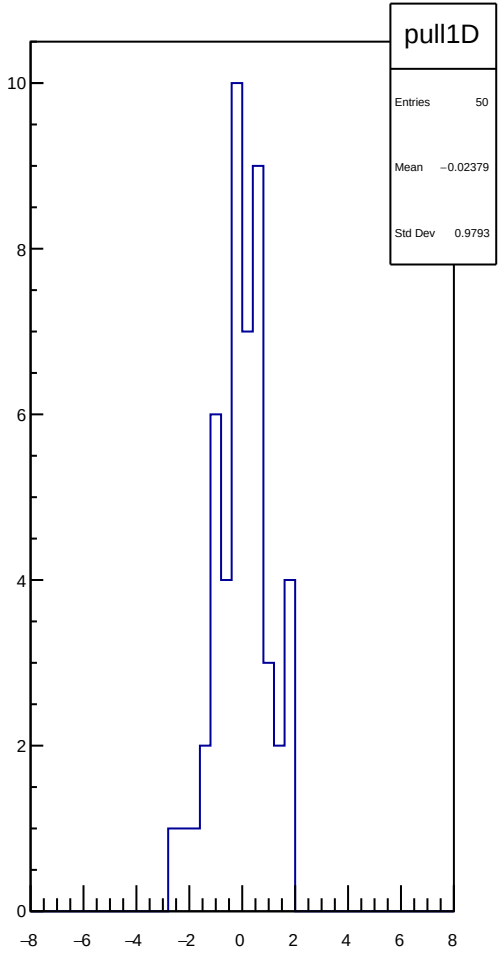

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0
pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

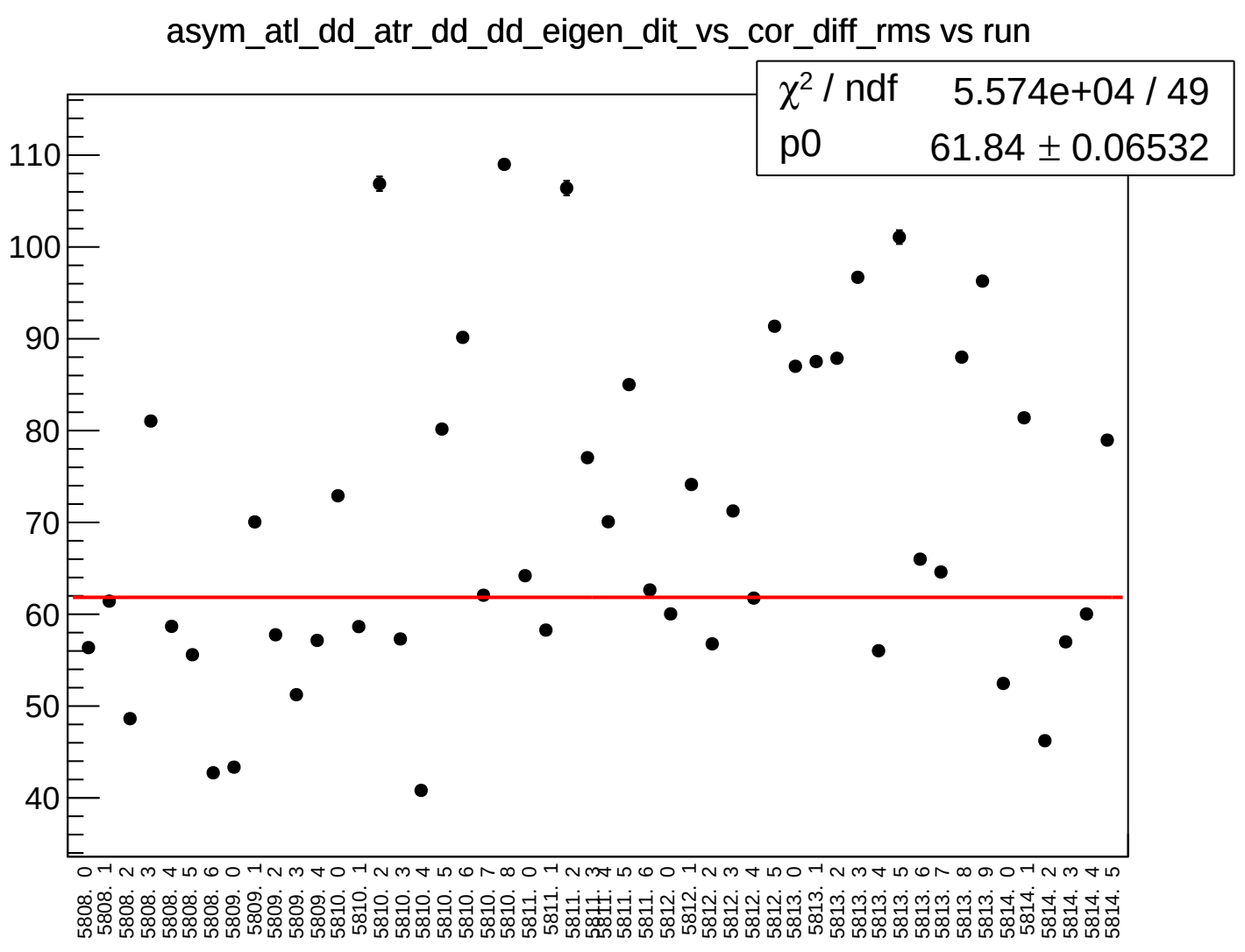

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

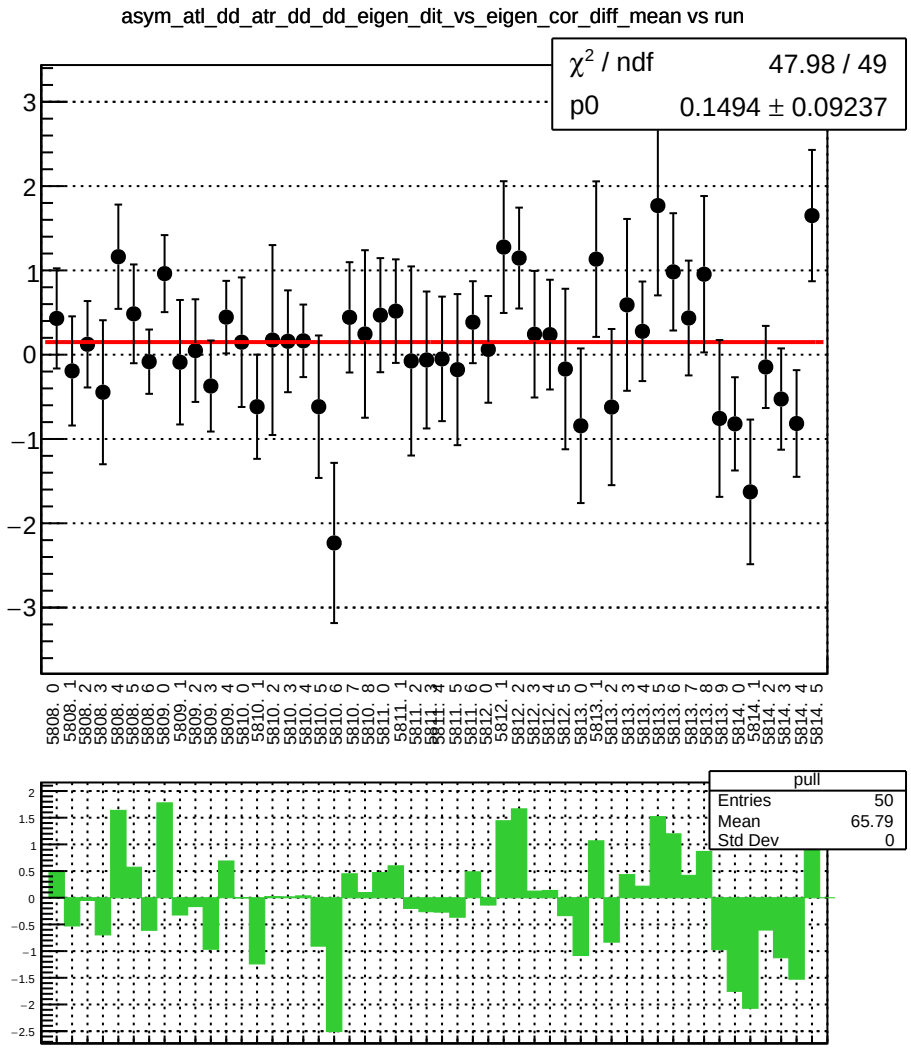

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.63 / 49
p0 1.746e−06 ± 3.989e−06
pull
Entries 50
Mean −106.7
Std Dev 0
pull1D
Entries 50
Mean 0.01261
Std Dev 0.9552

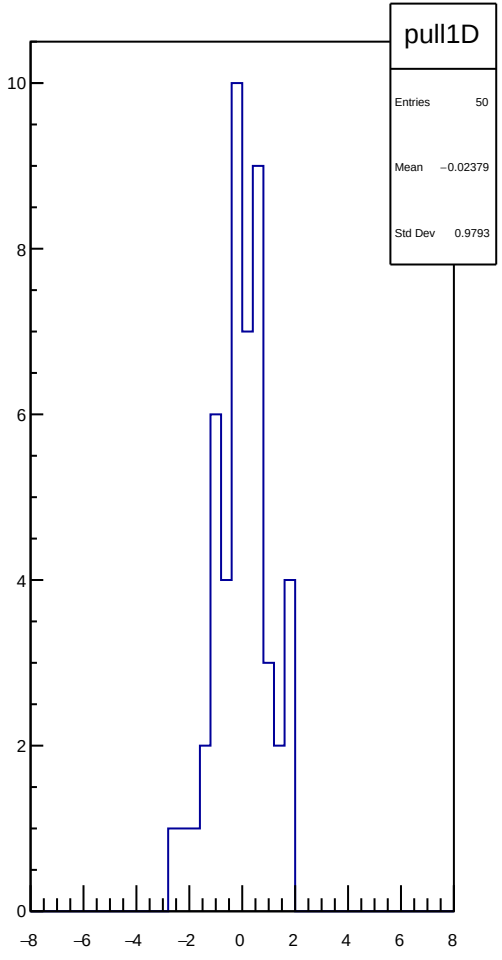

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4907 / 49
p0 0.002745 ± 2.821e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

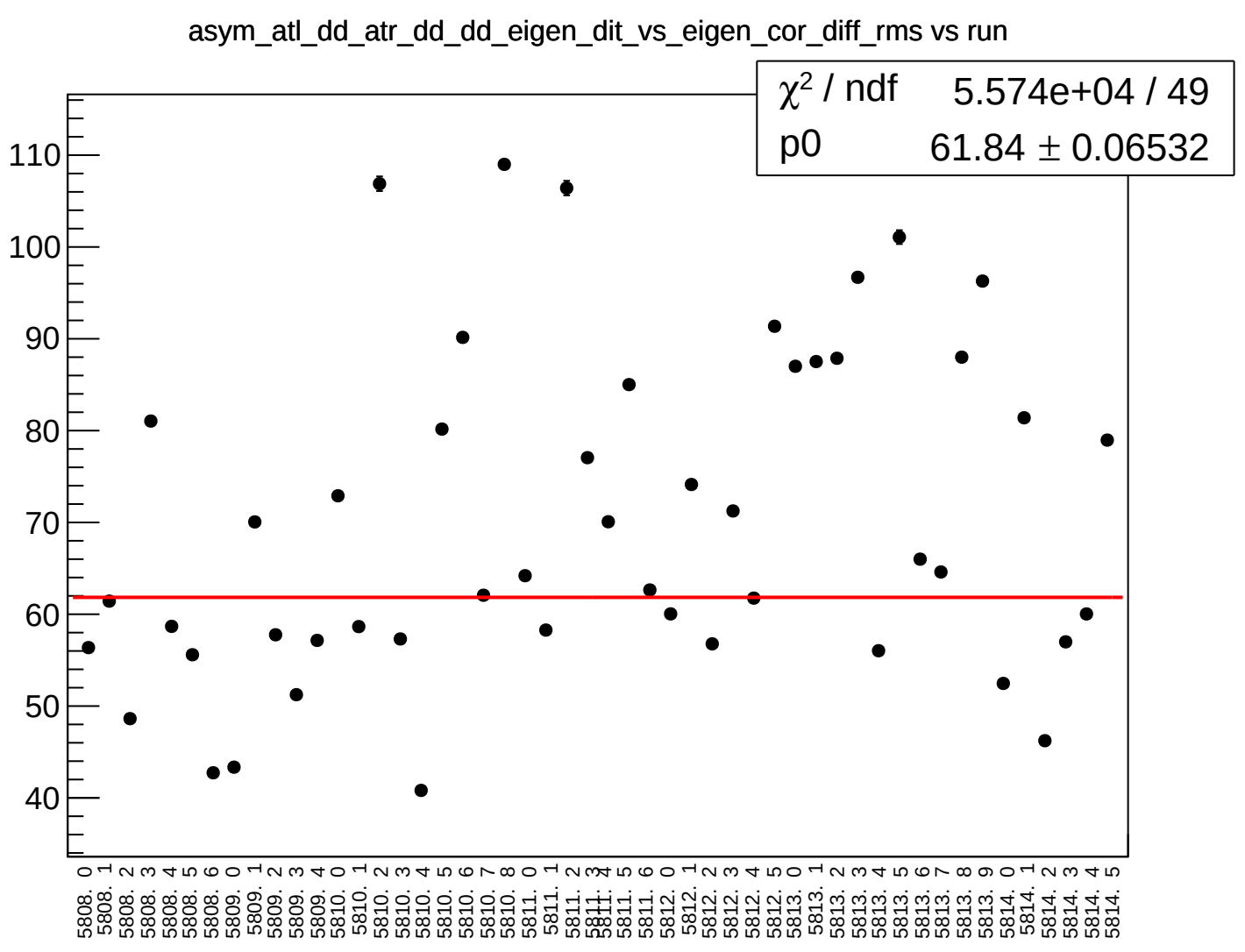

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0

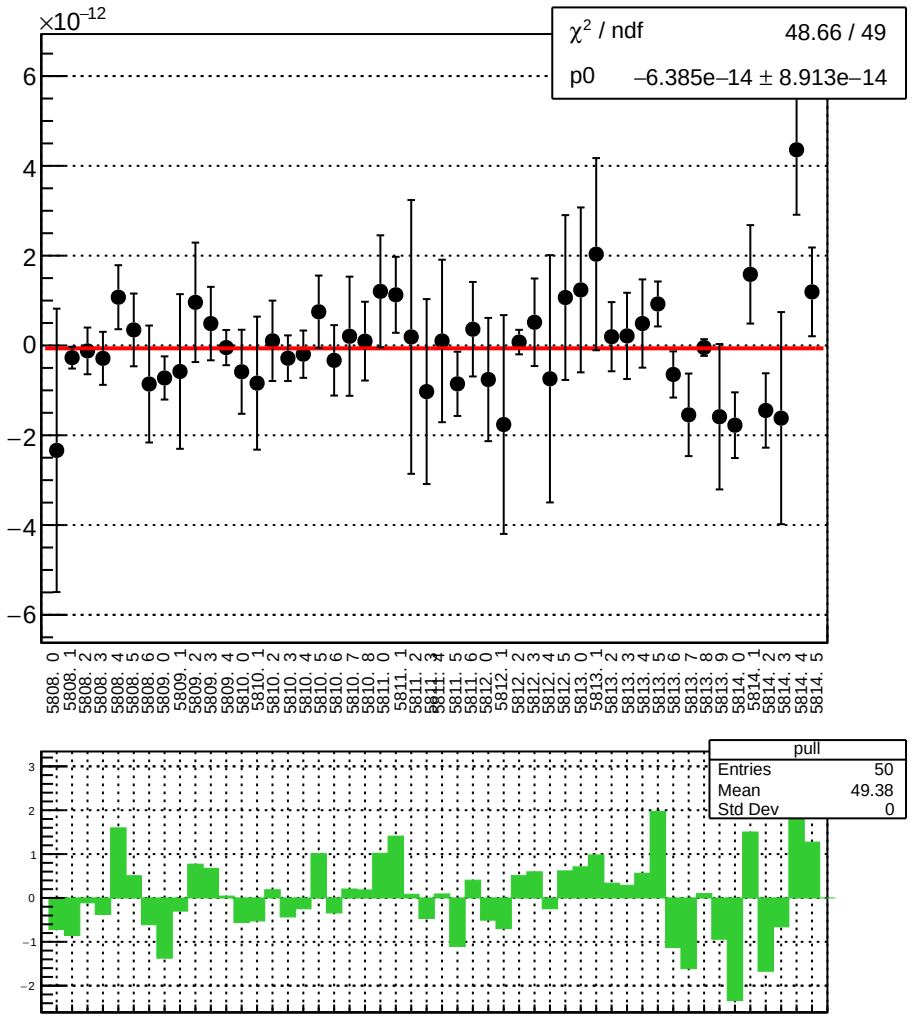

pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

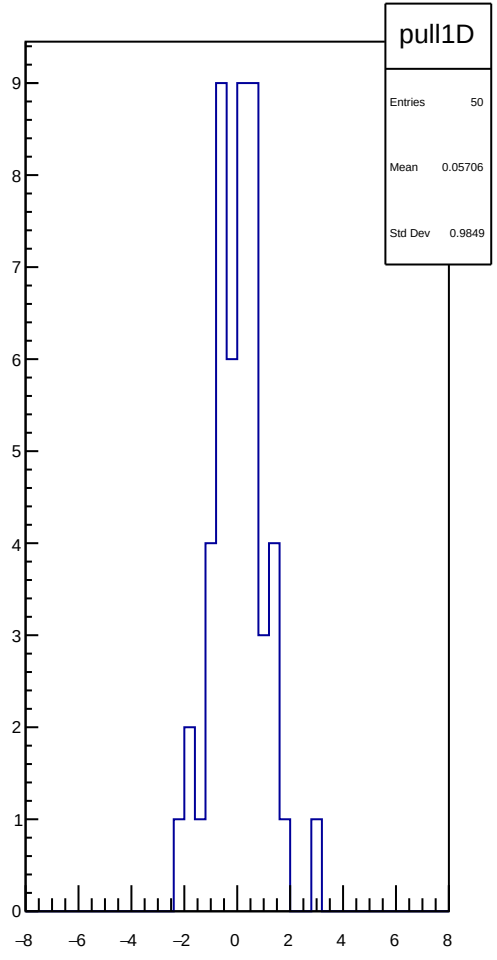

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

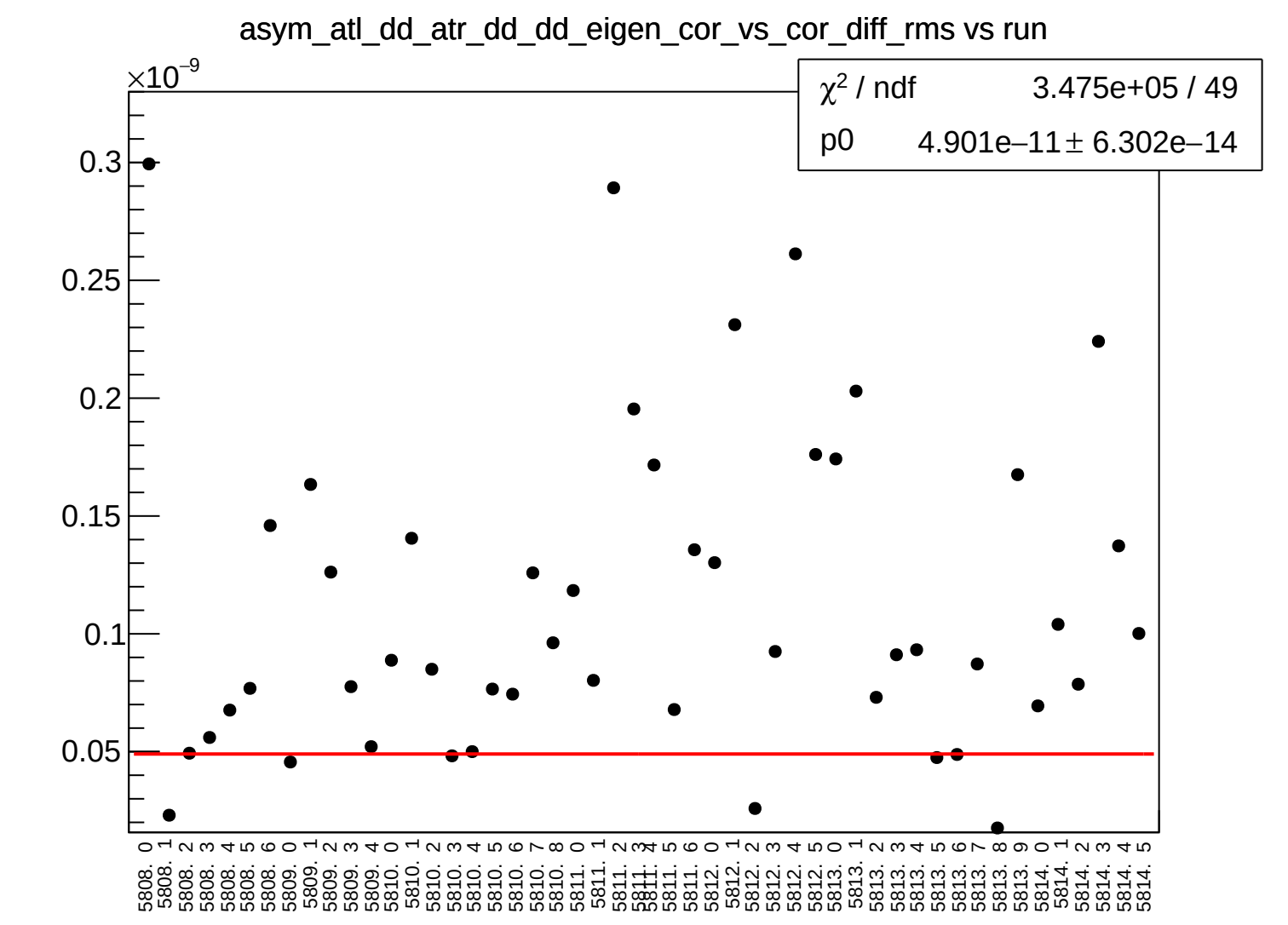

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0

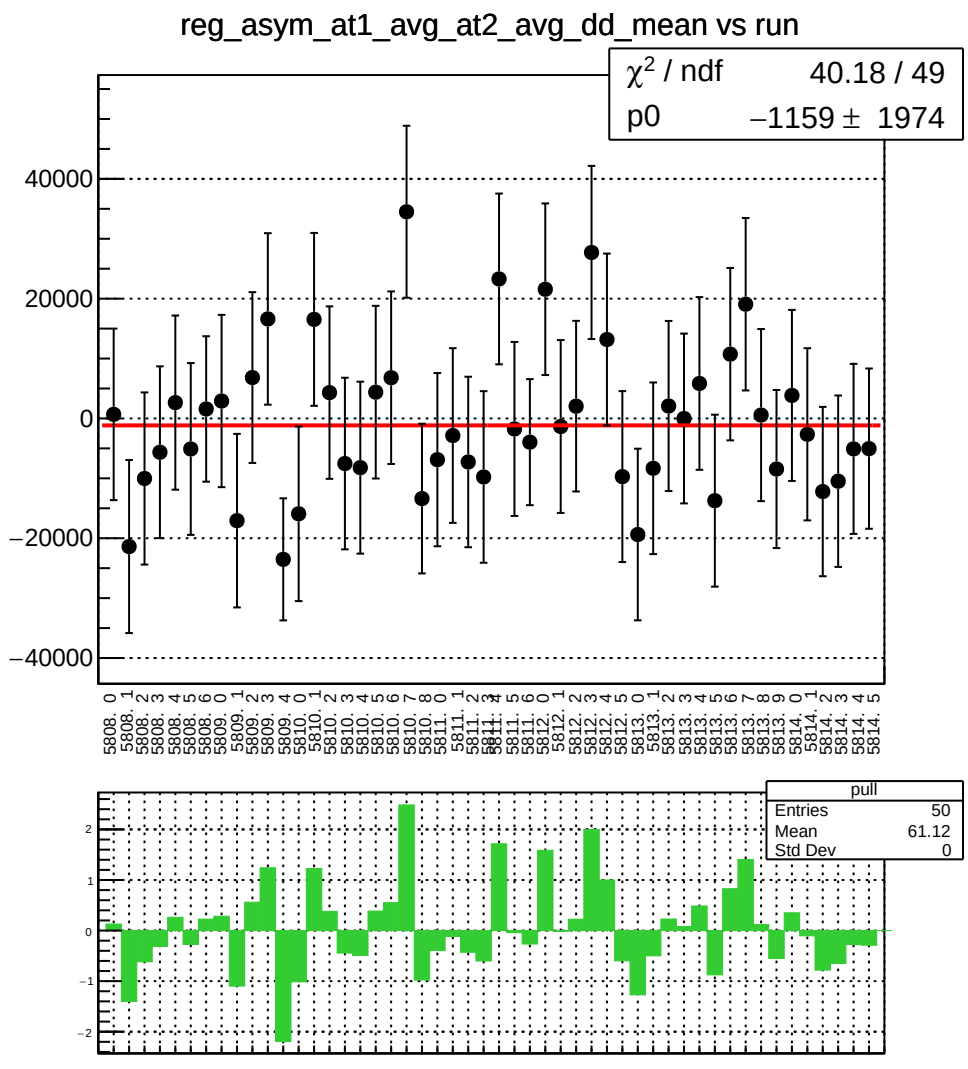

pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

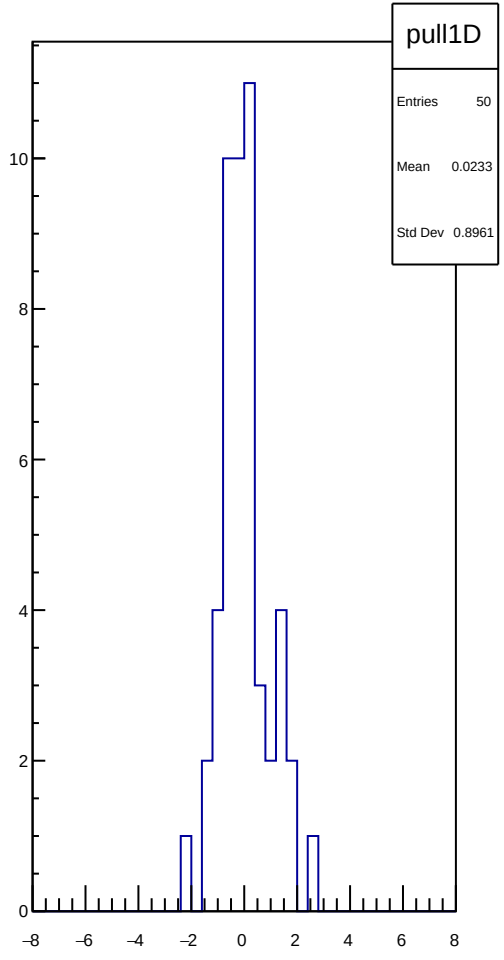

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

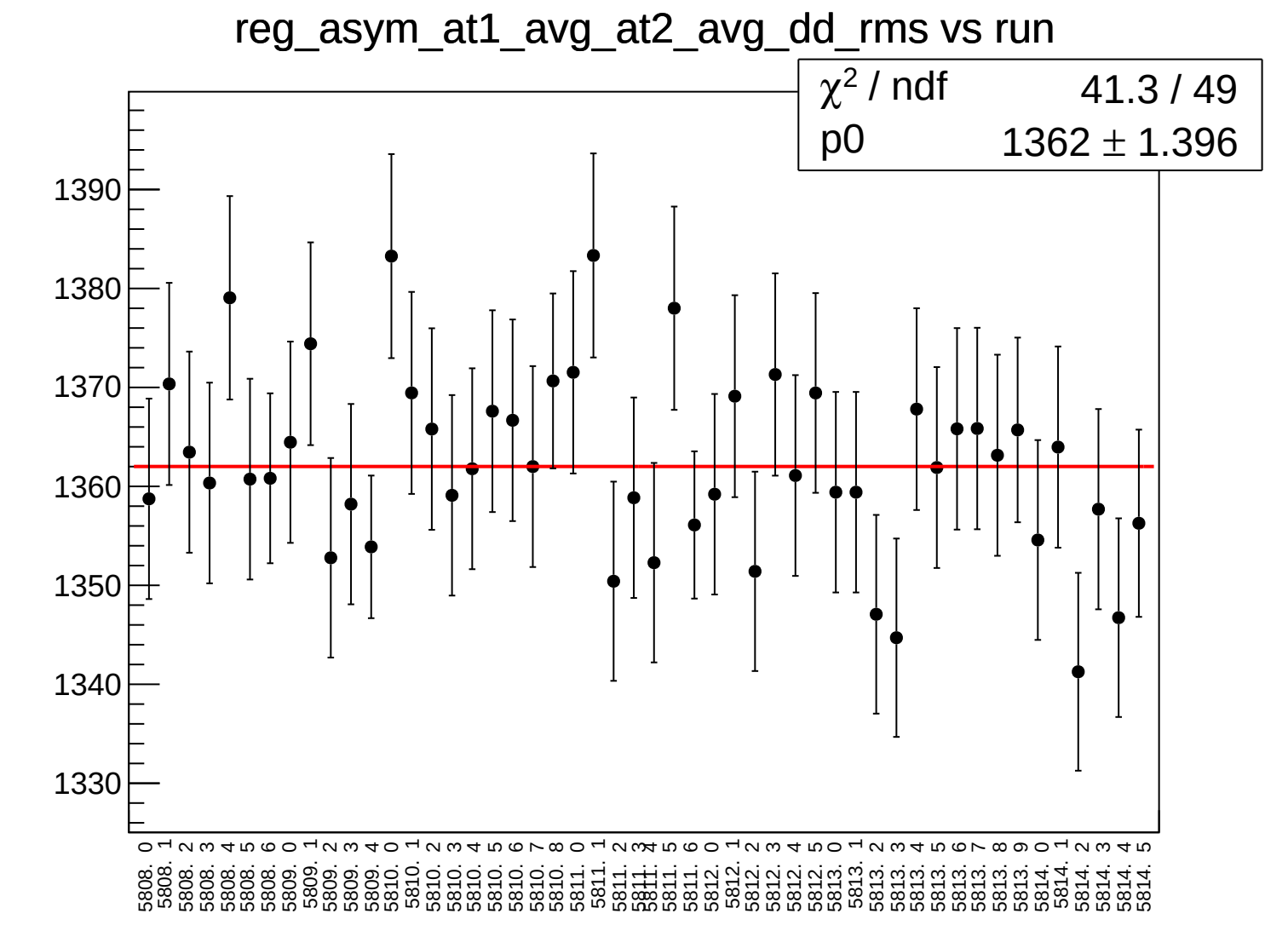

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.66 / 49
p0 −6.385e−14 ± 8.913e−14
pull
Entries 50
Mean 49.38
Std Dev 0

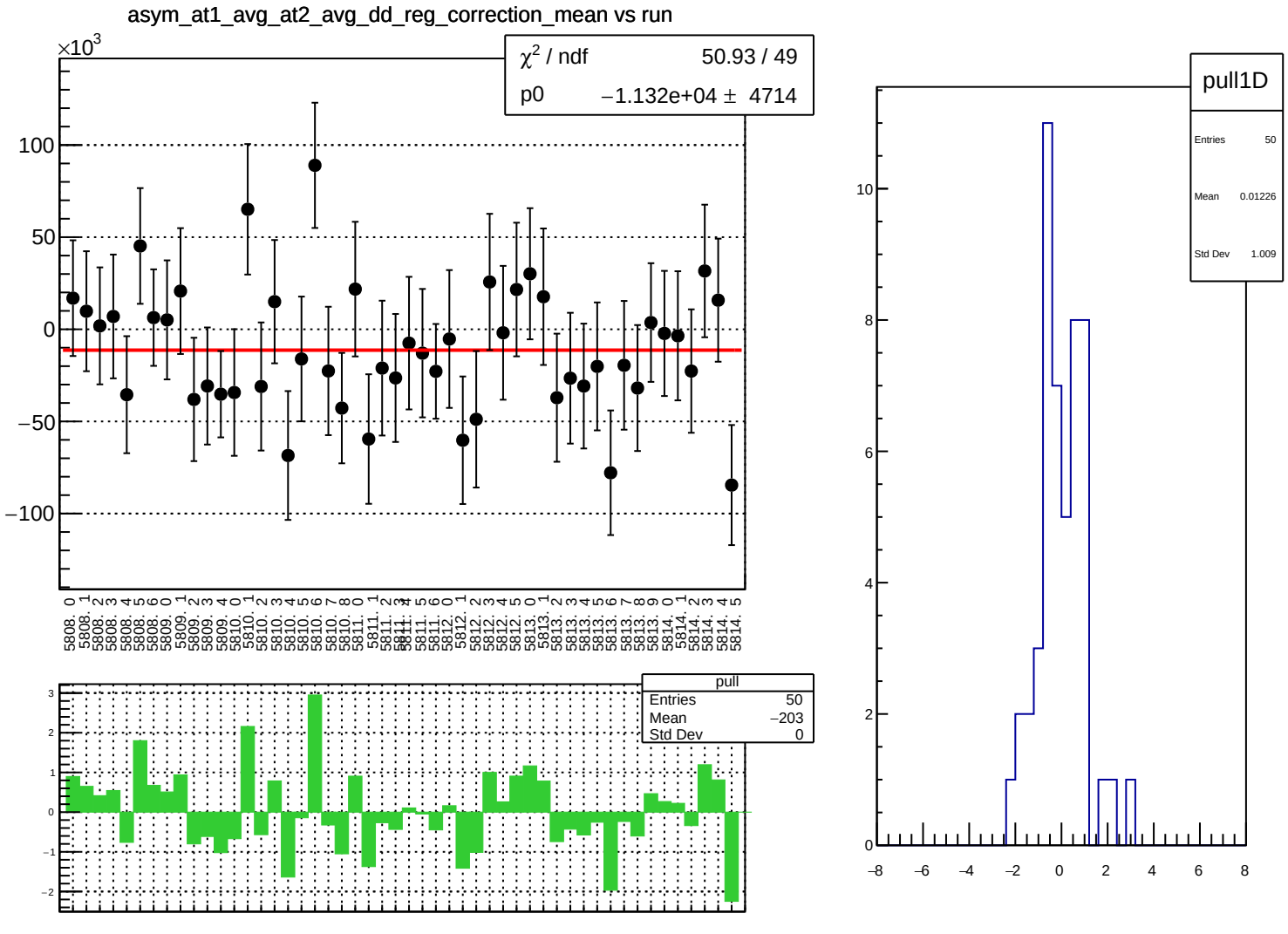

pull1D
Entries 50
Mean 0.05706
Std Dev 0.9849

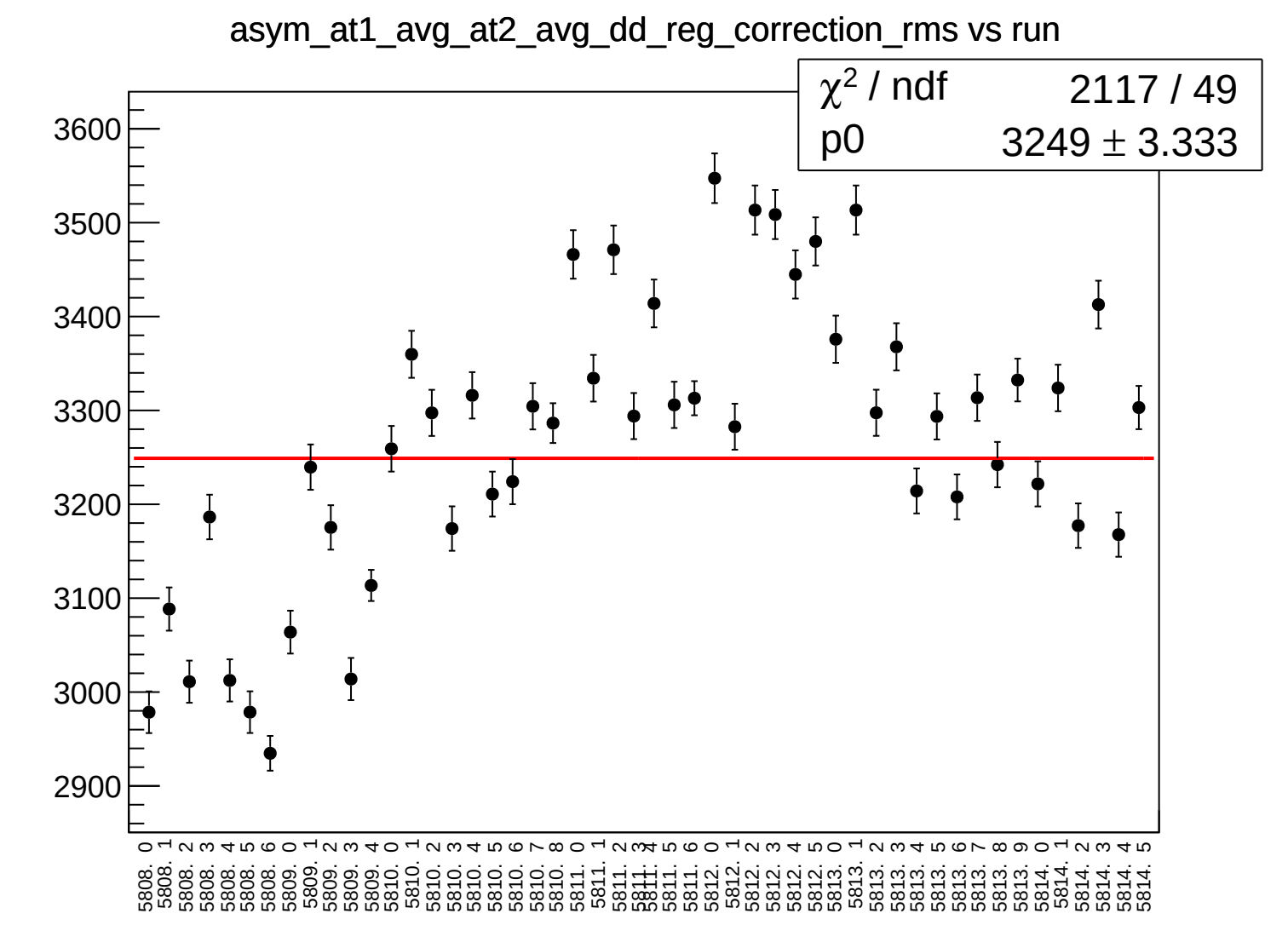

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.475e+05 / 49
p0 4.901e−11 ± 6.302e−14
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.12
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
pull1D
Entries 50
Mean 0.01226
Std Dev 1.009


asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5814. 2
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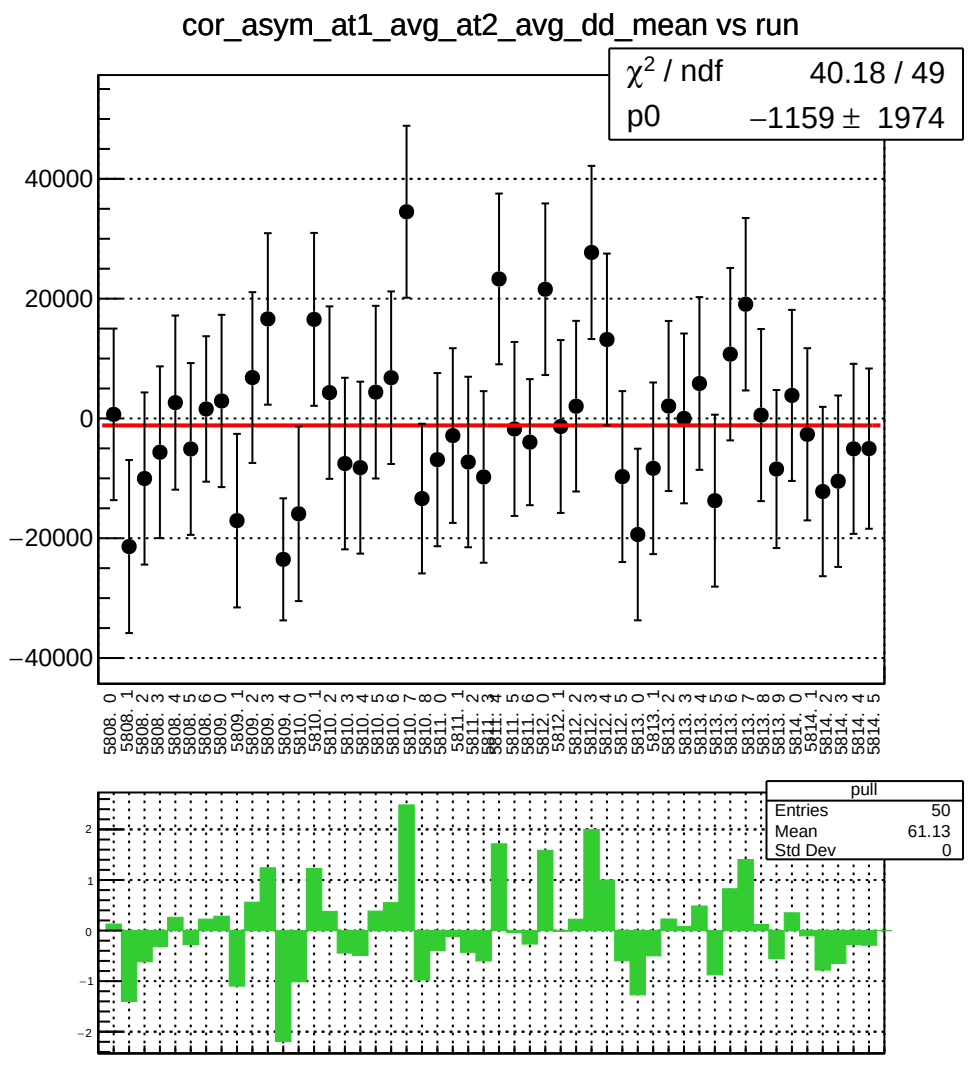
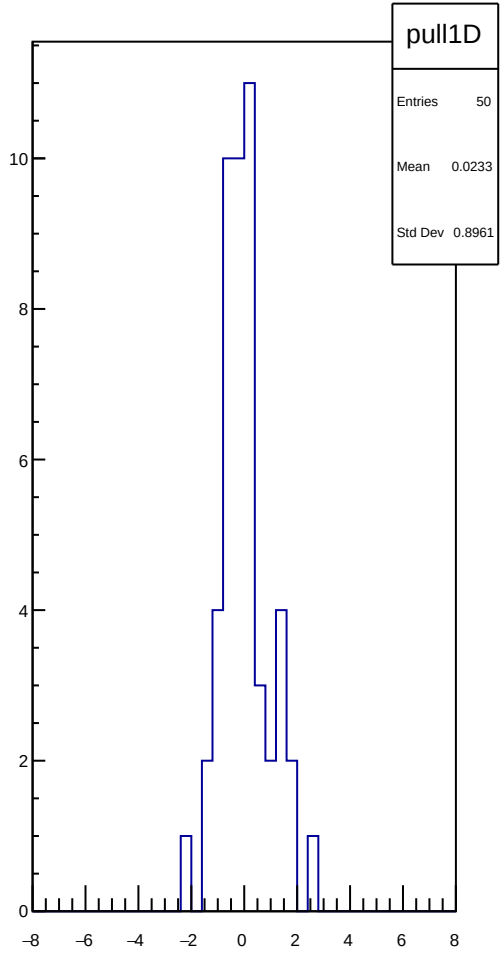
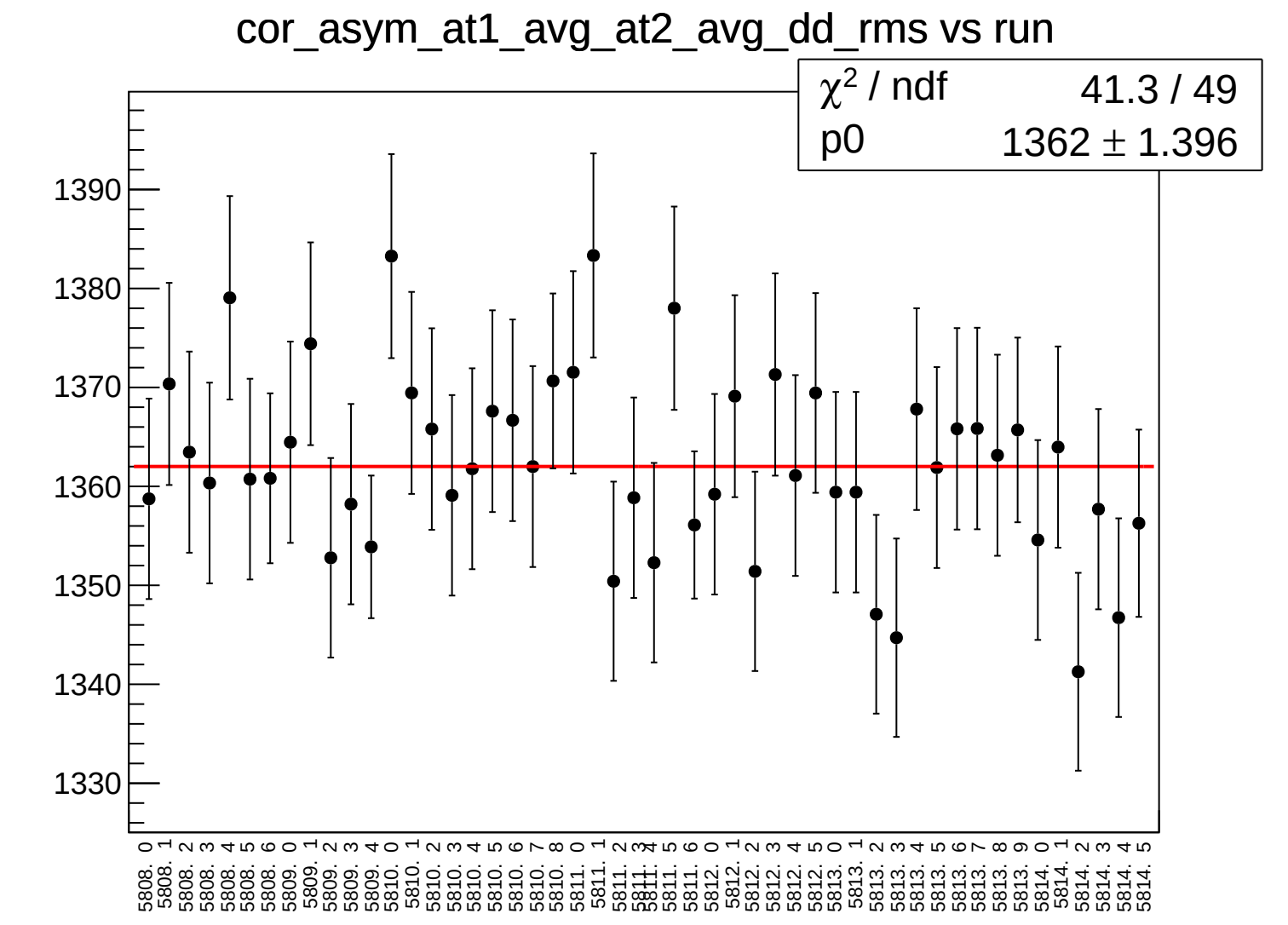
5814. 4
5814. 5


cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
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 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5814. 4
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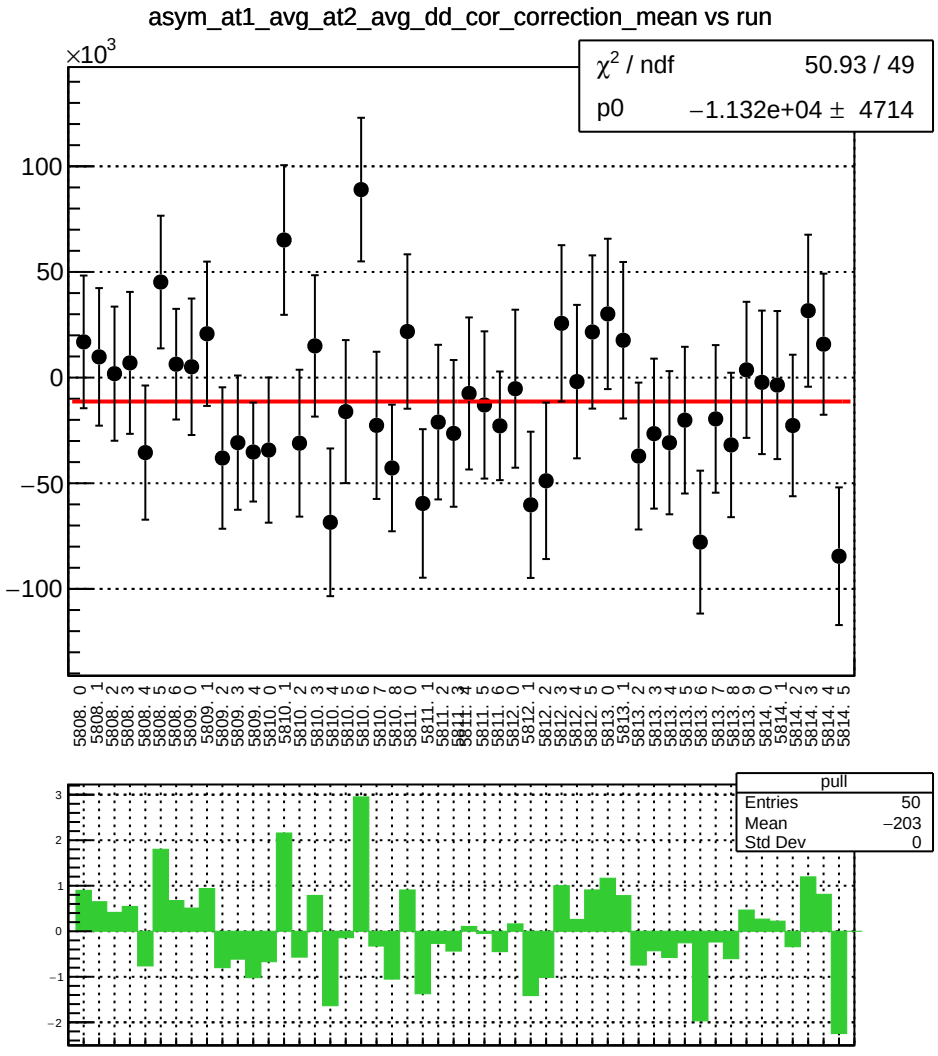
asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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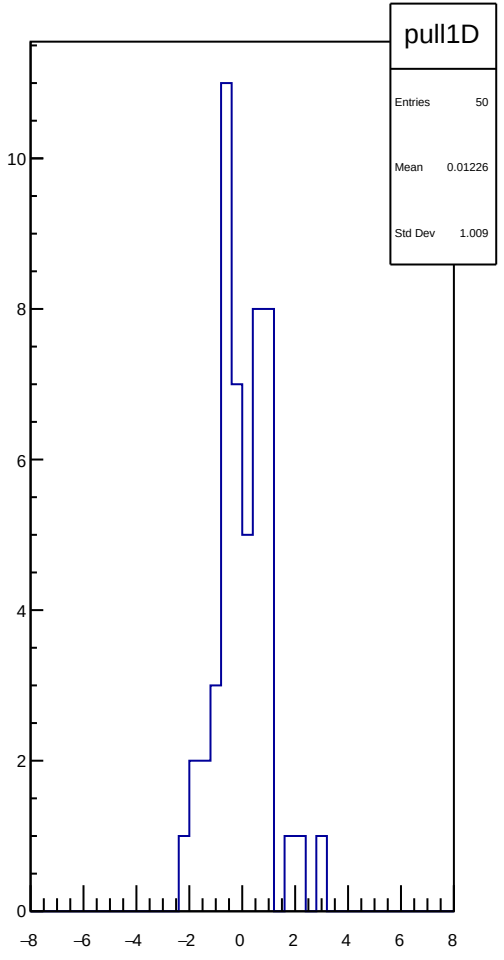
5814. 4
5814. 5
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
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8
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4
2
0
−8
−6
−4
−2
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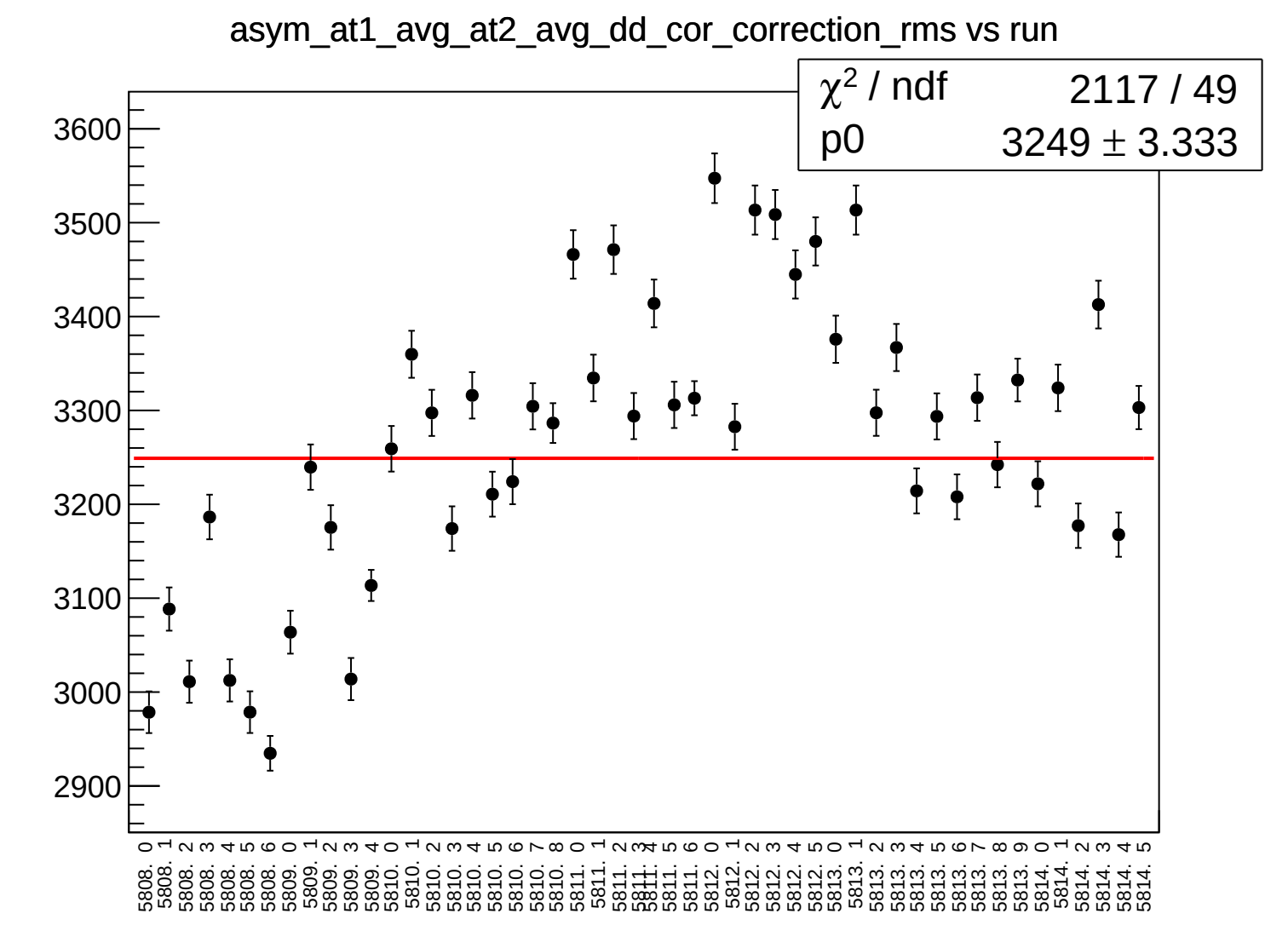
2
4
6
8


asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
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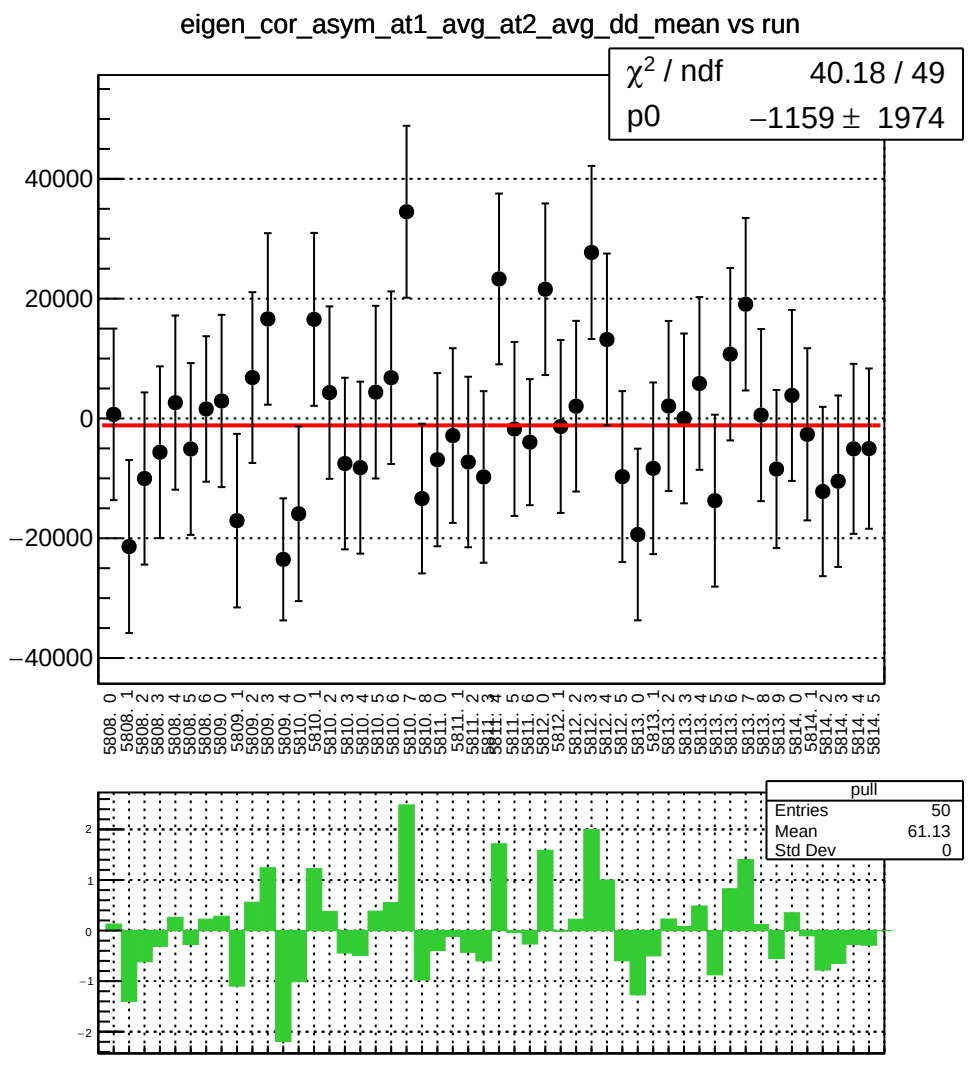
eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0
2
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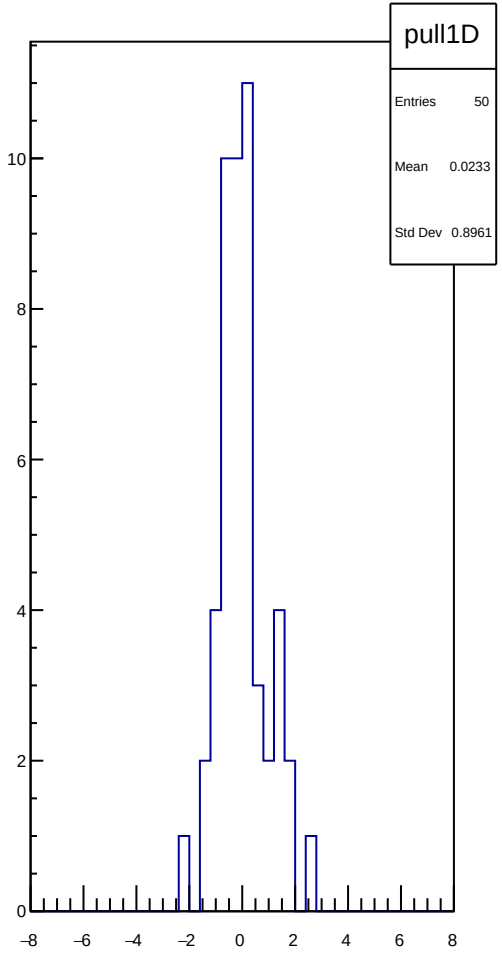
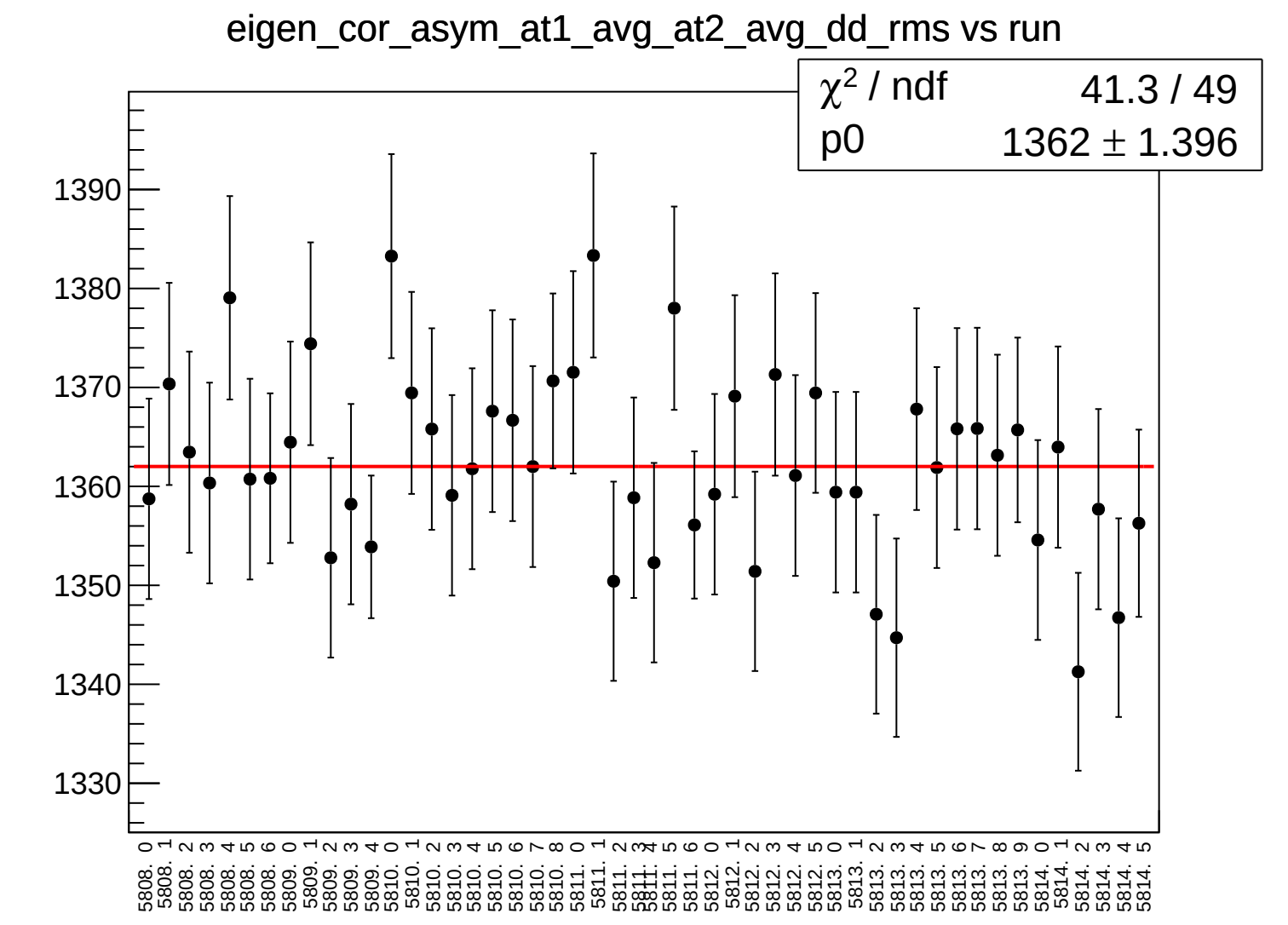
0
−1
−2


pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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5811. 0
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5811. 6
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
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5814. 2
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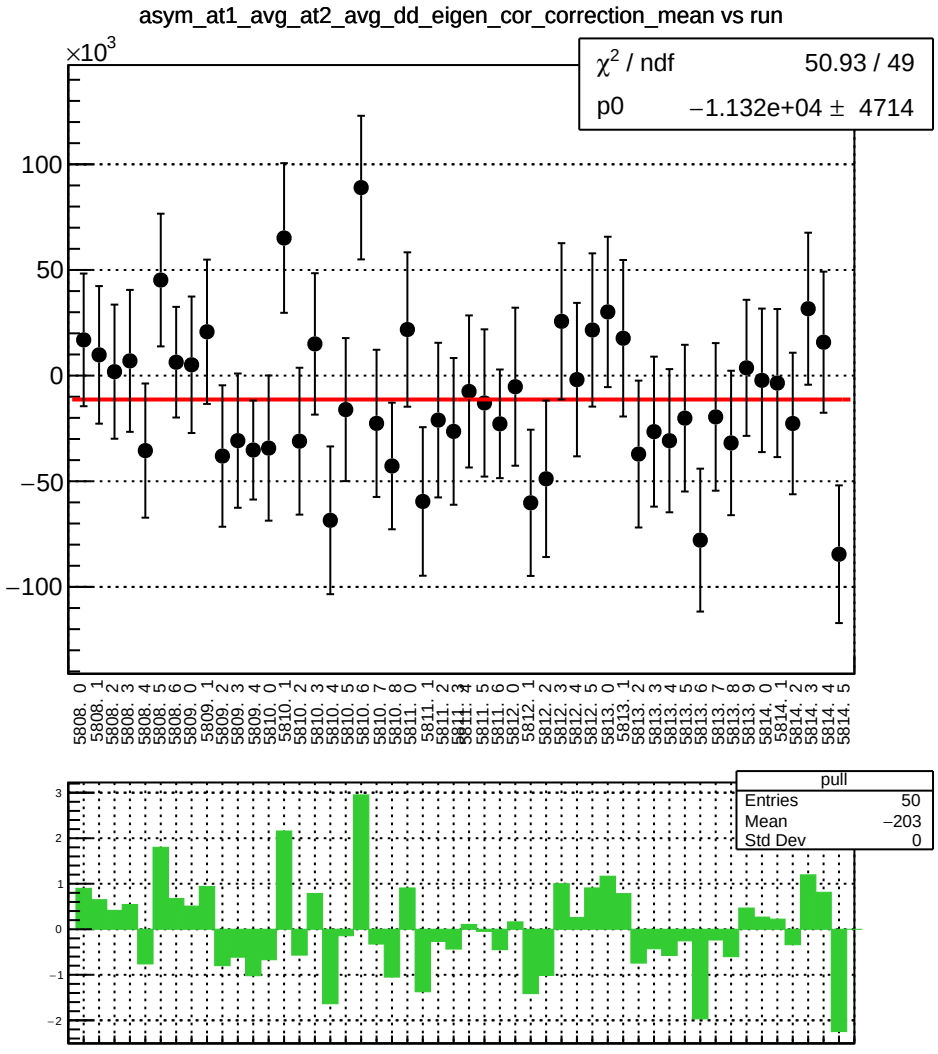
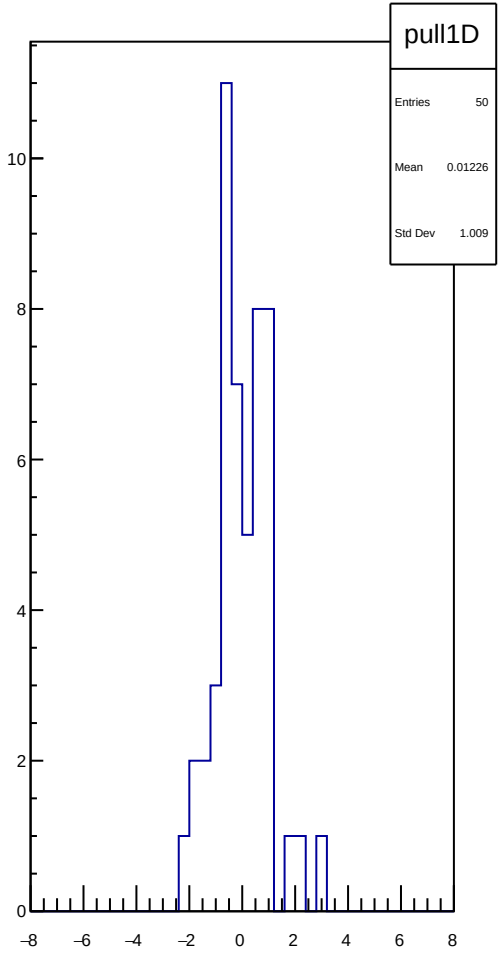
5814. 4
5814. 5


asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
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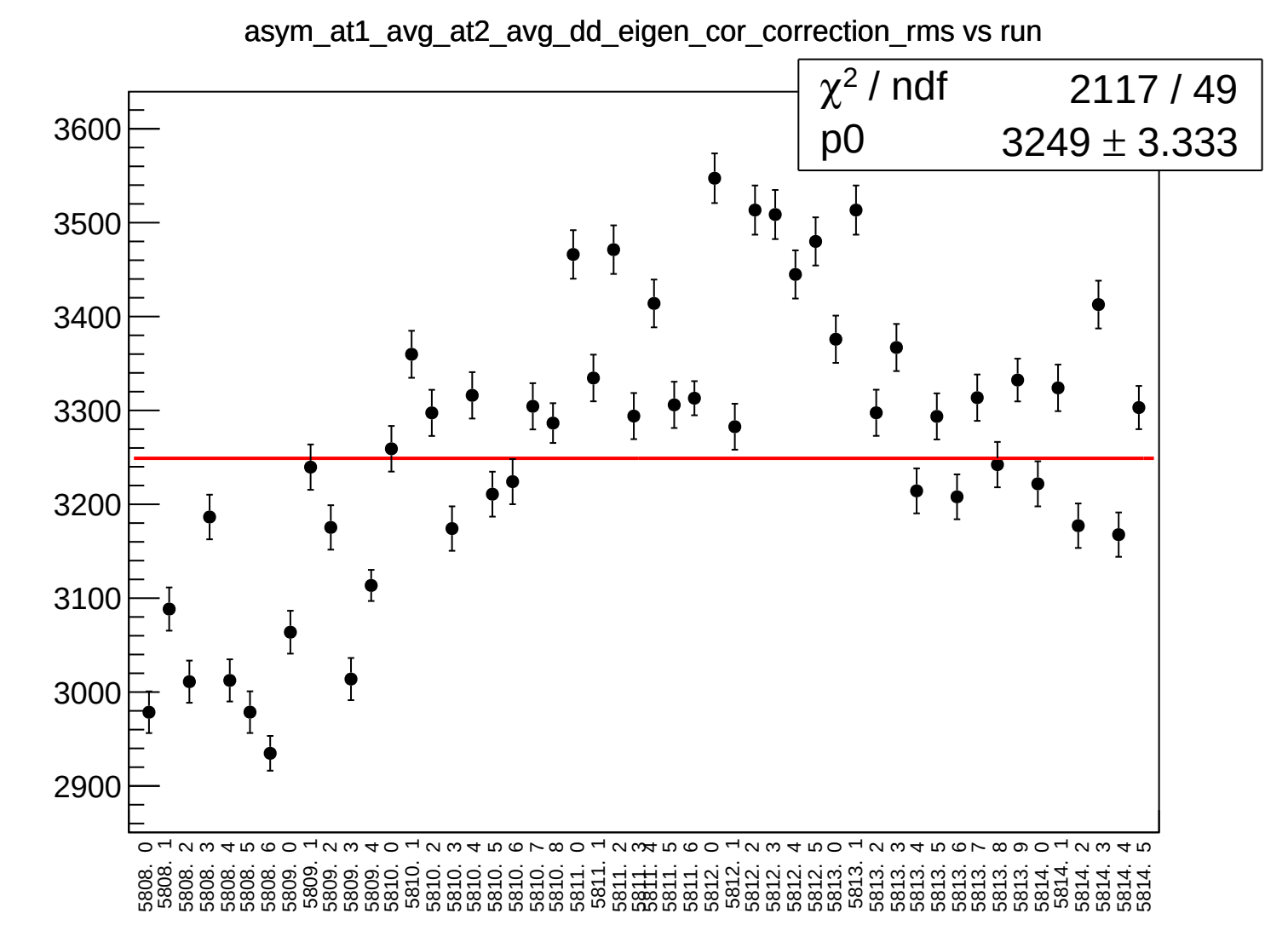
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
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5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
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5813. 3
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5814. 2
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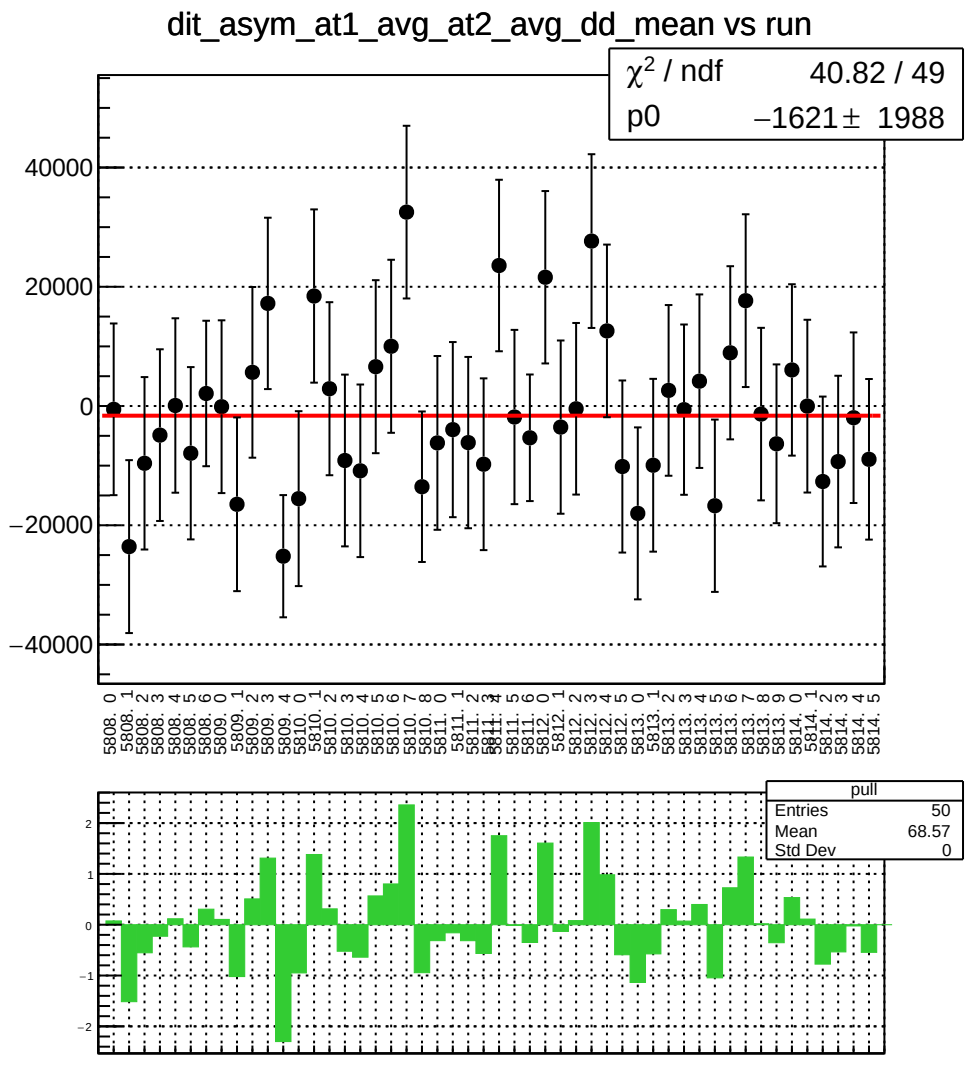
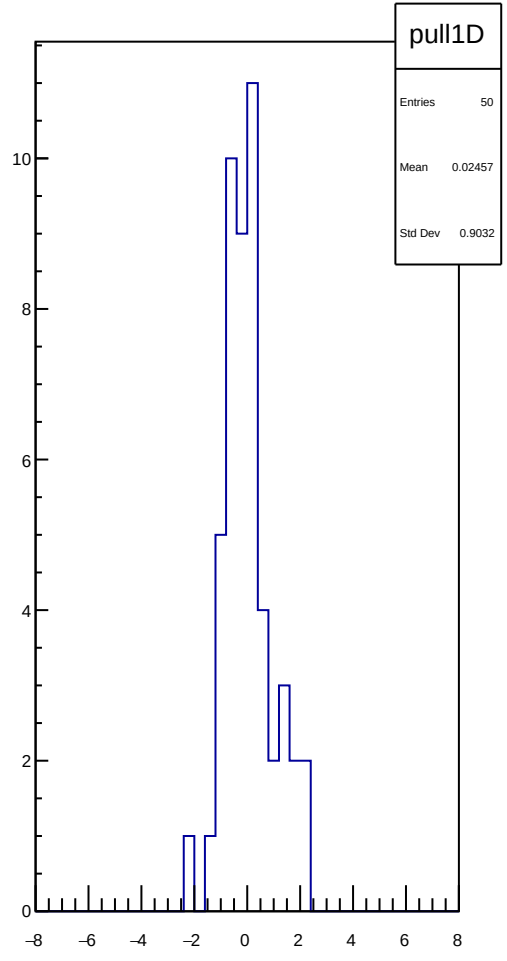
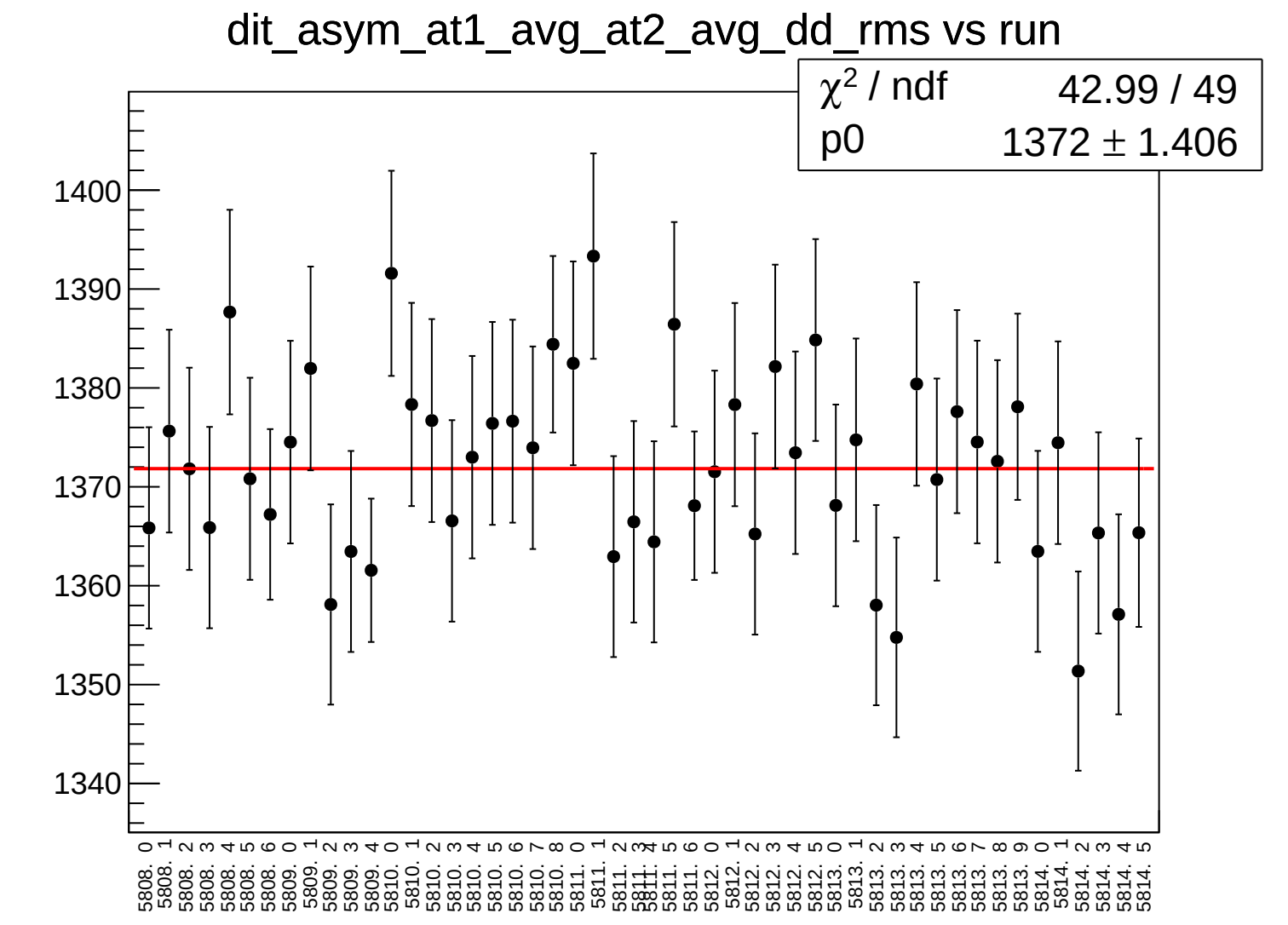

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 1
5814. 2
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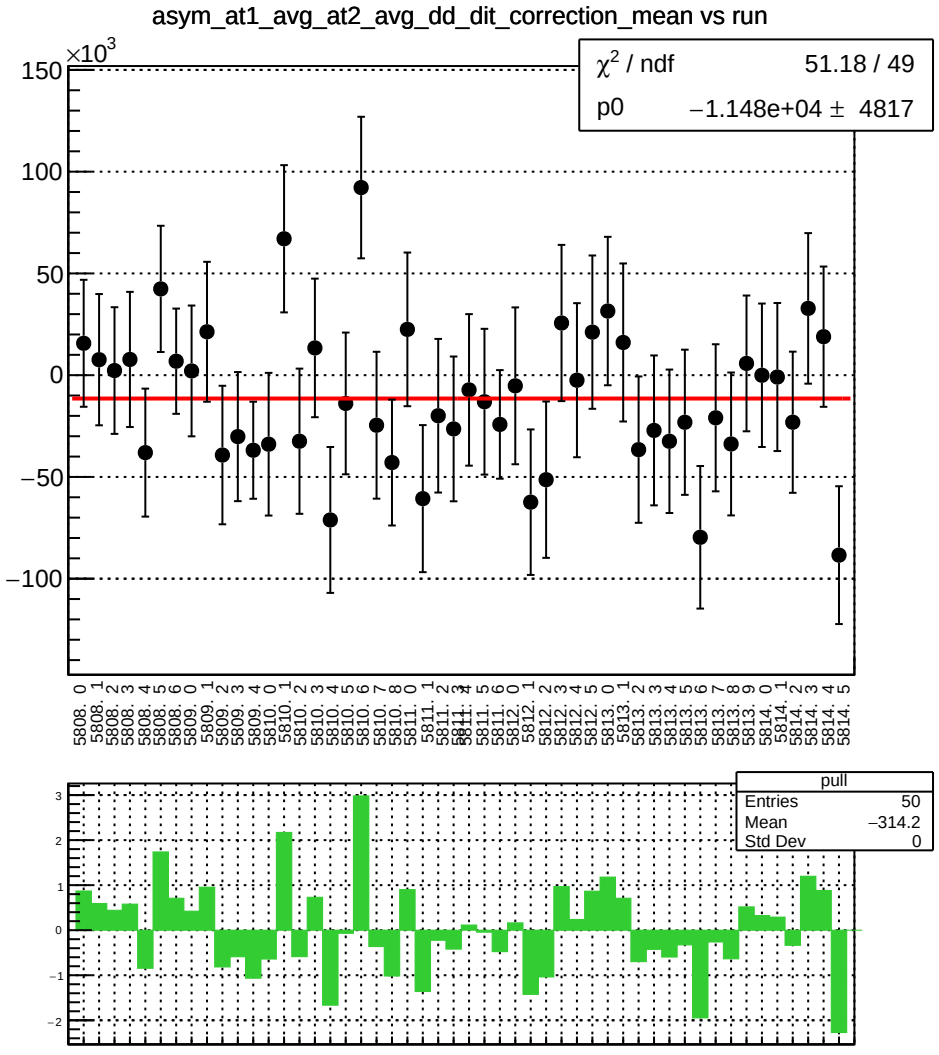
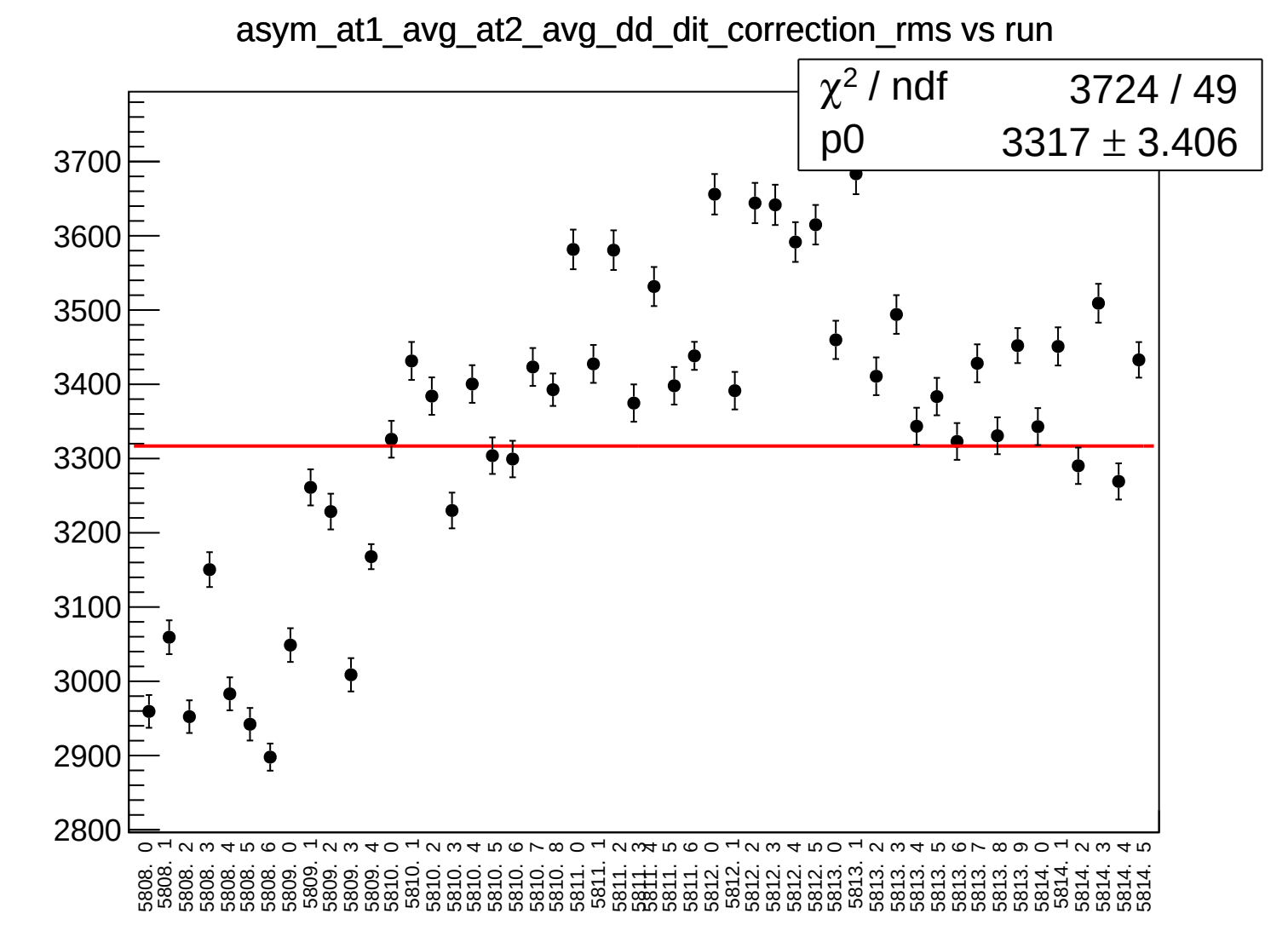
5814. 5


asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −314.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007883
Std Dev 1.012
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_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
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5808. 2
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5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 0
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5813. 2
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5813. 4
5813. 5
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5814. 0
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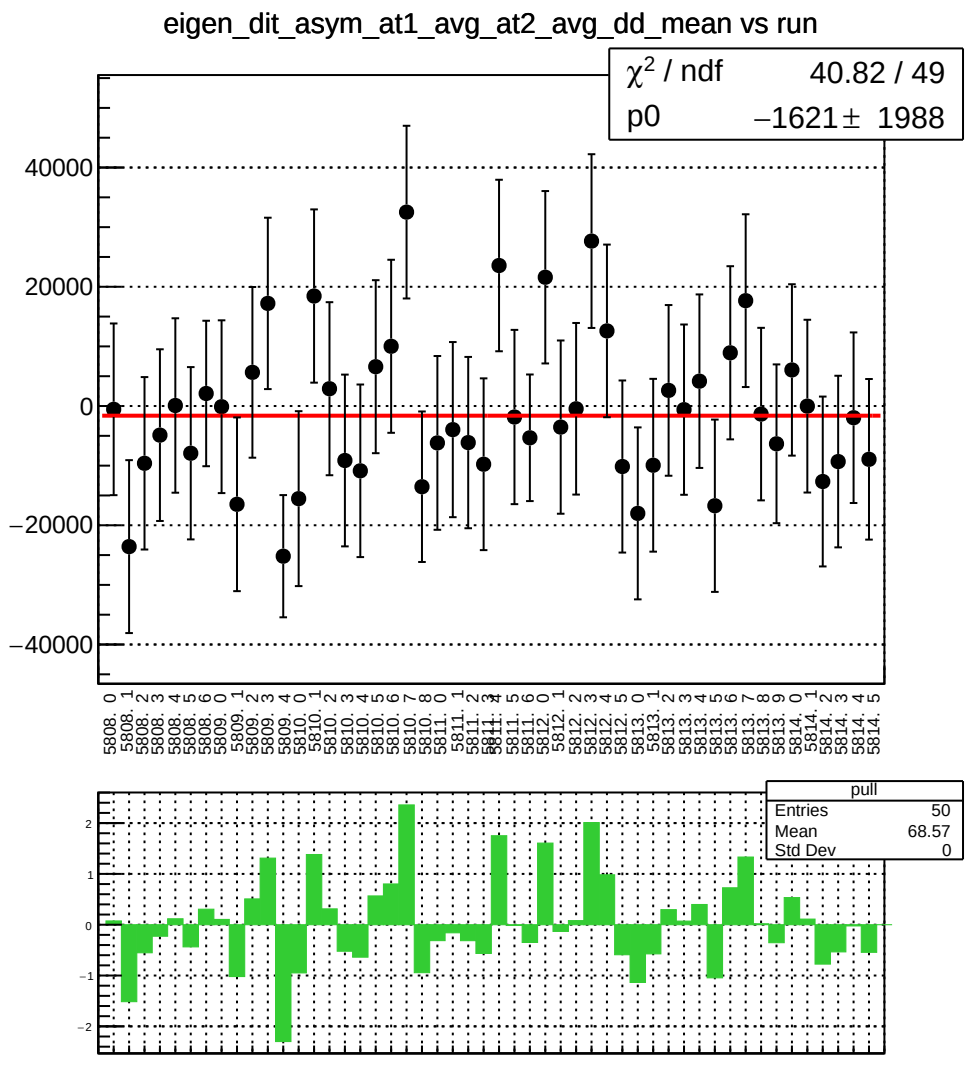
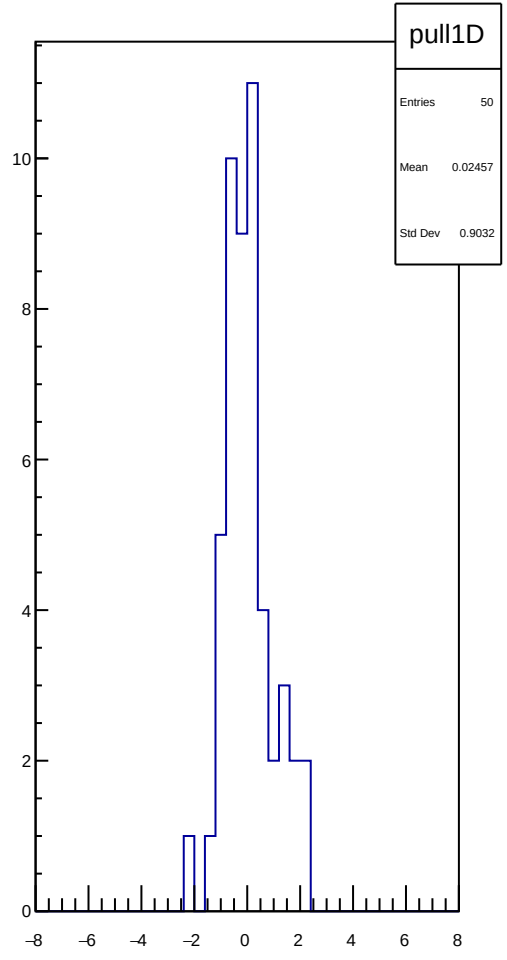

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
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4
2
0
−8
−6
−4
−2
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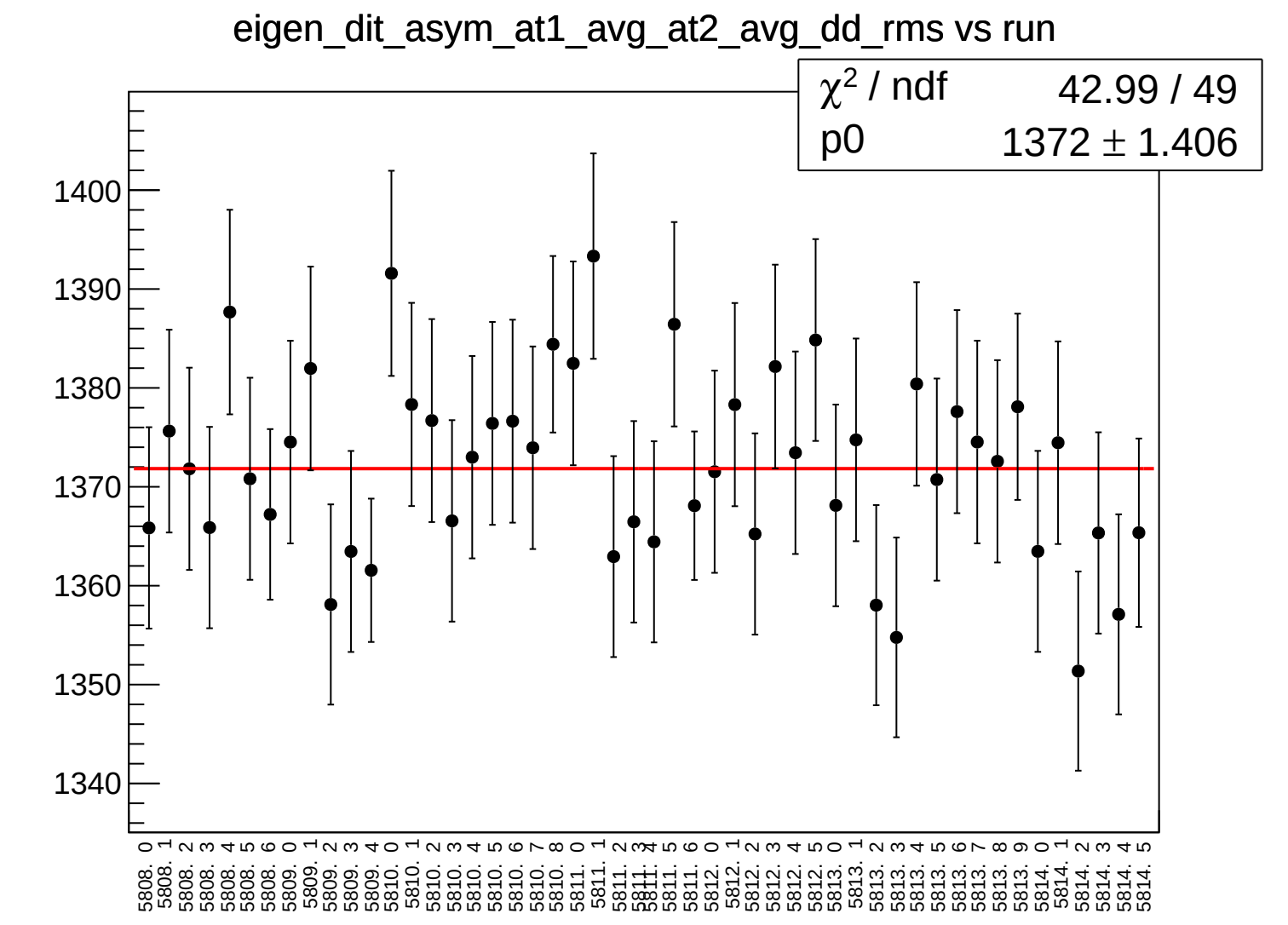
2
4
6
8


eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5810. 0
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5810. 7
5810. 8
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5811. 2
5811. 3
5811. 4
5811. 5
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5812. 0
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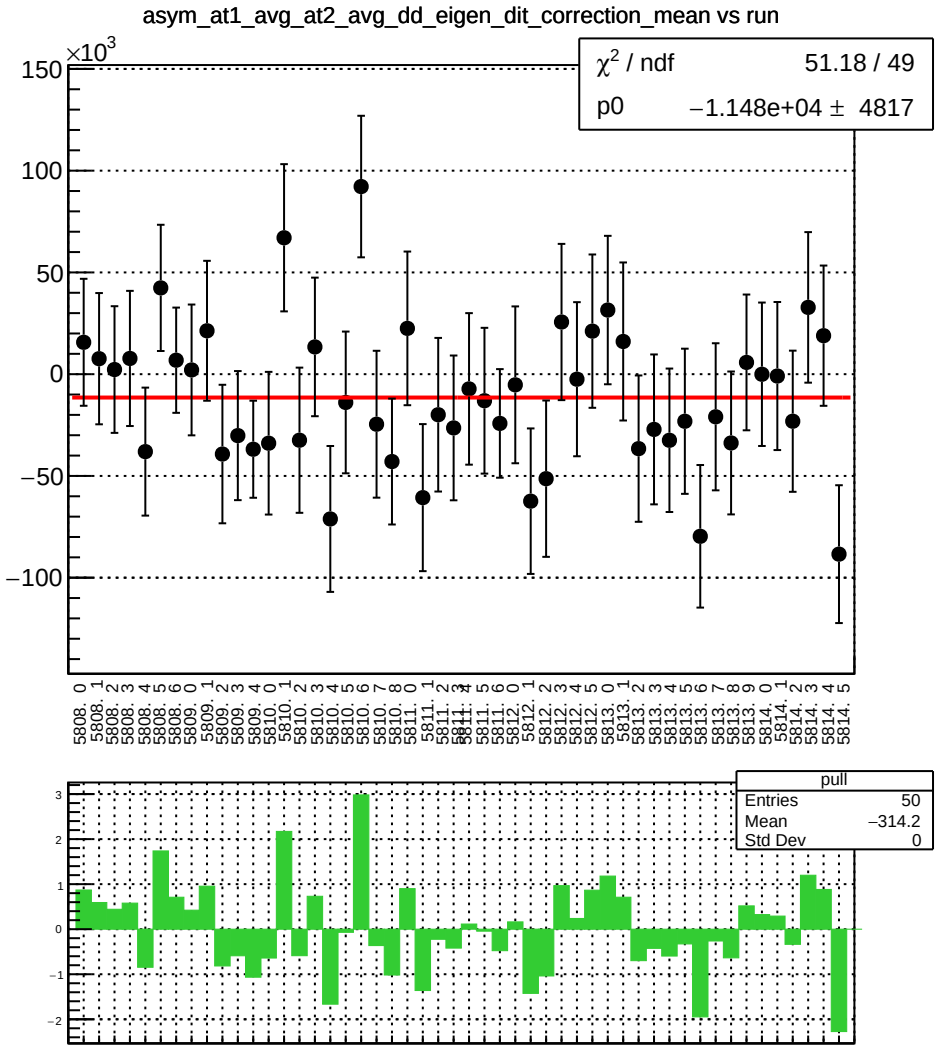
asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
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5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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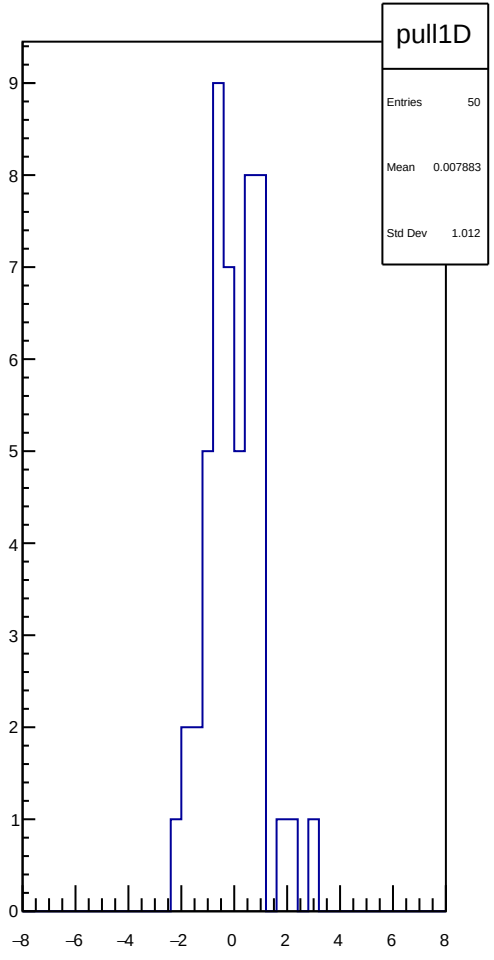
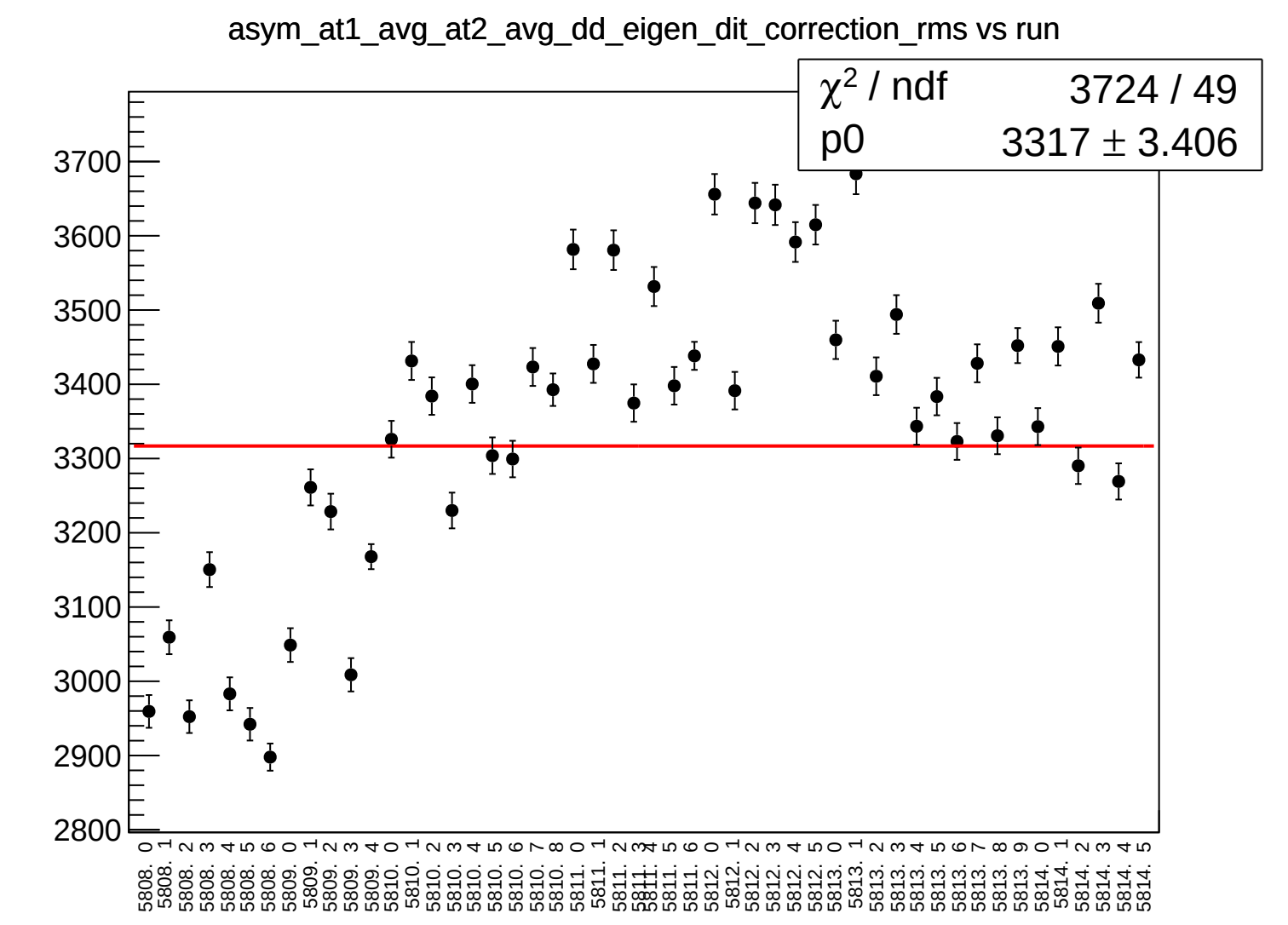
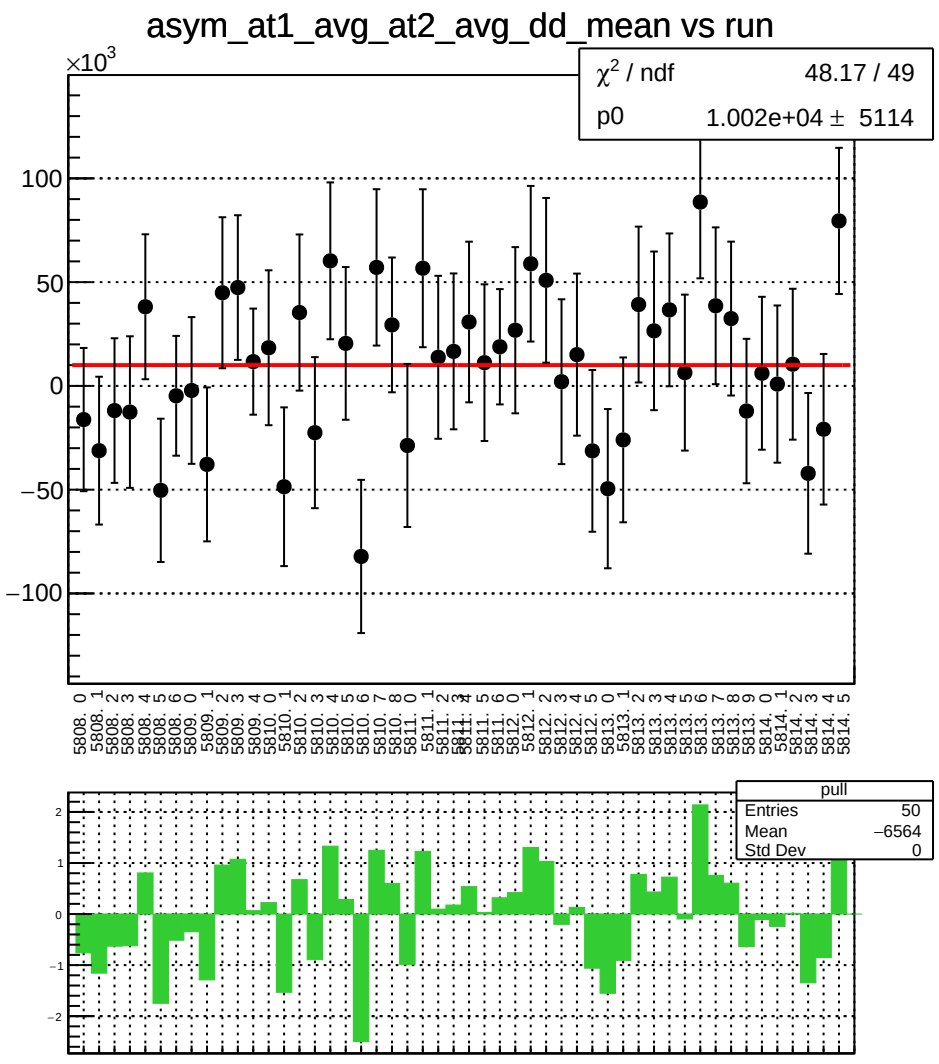
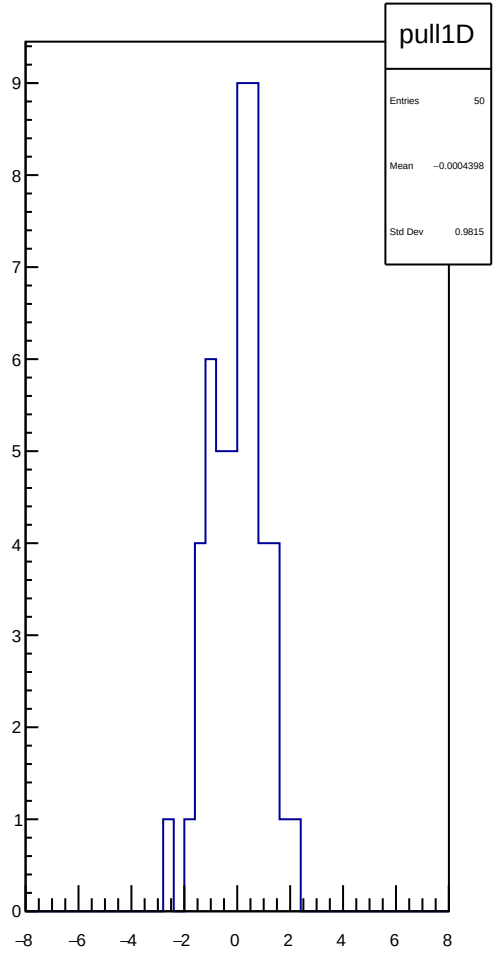
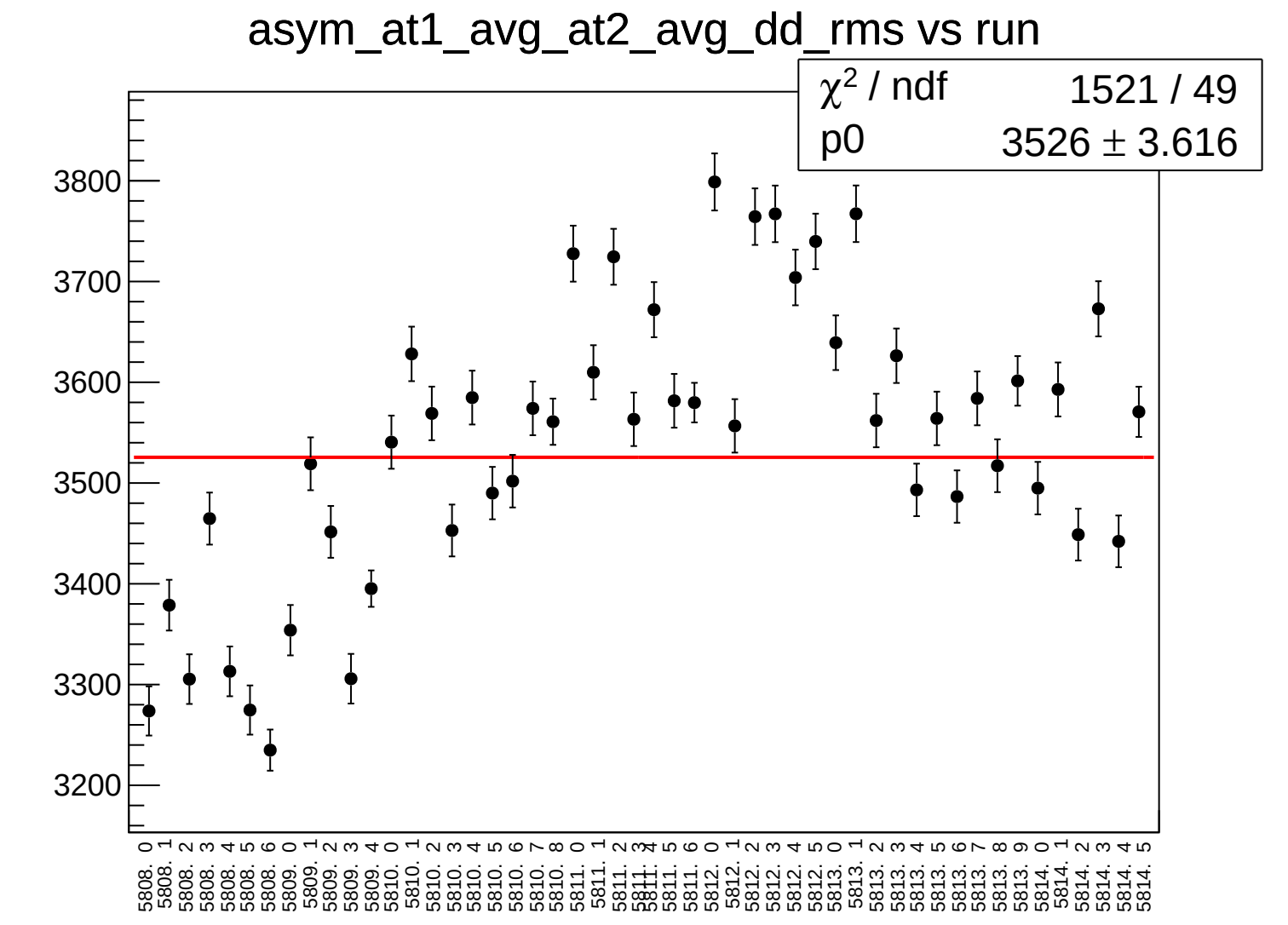
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −314.2
Std Dev 0
3
2
1
0
−1
−2

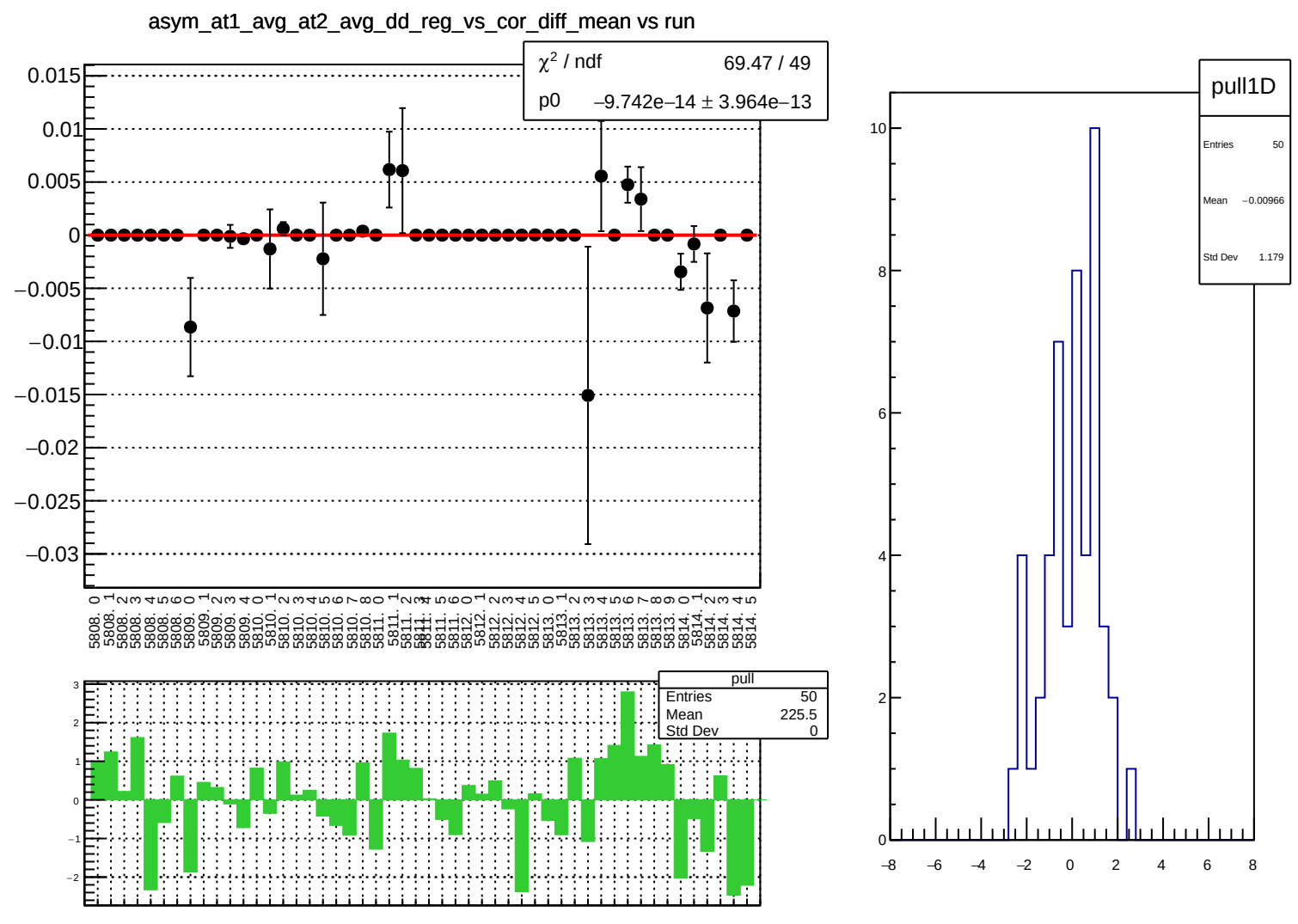

pull1D
Entries 50
Mean 0.007883
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

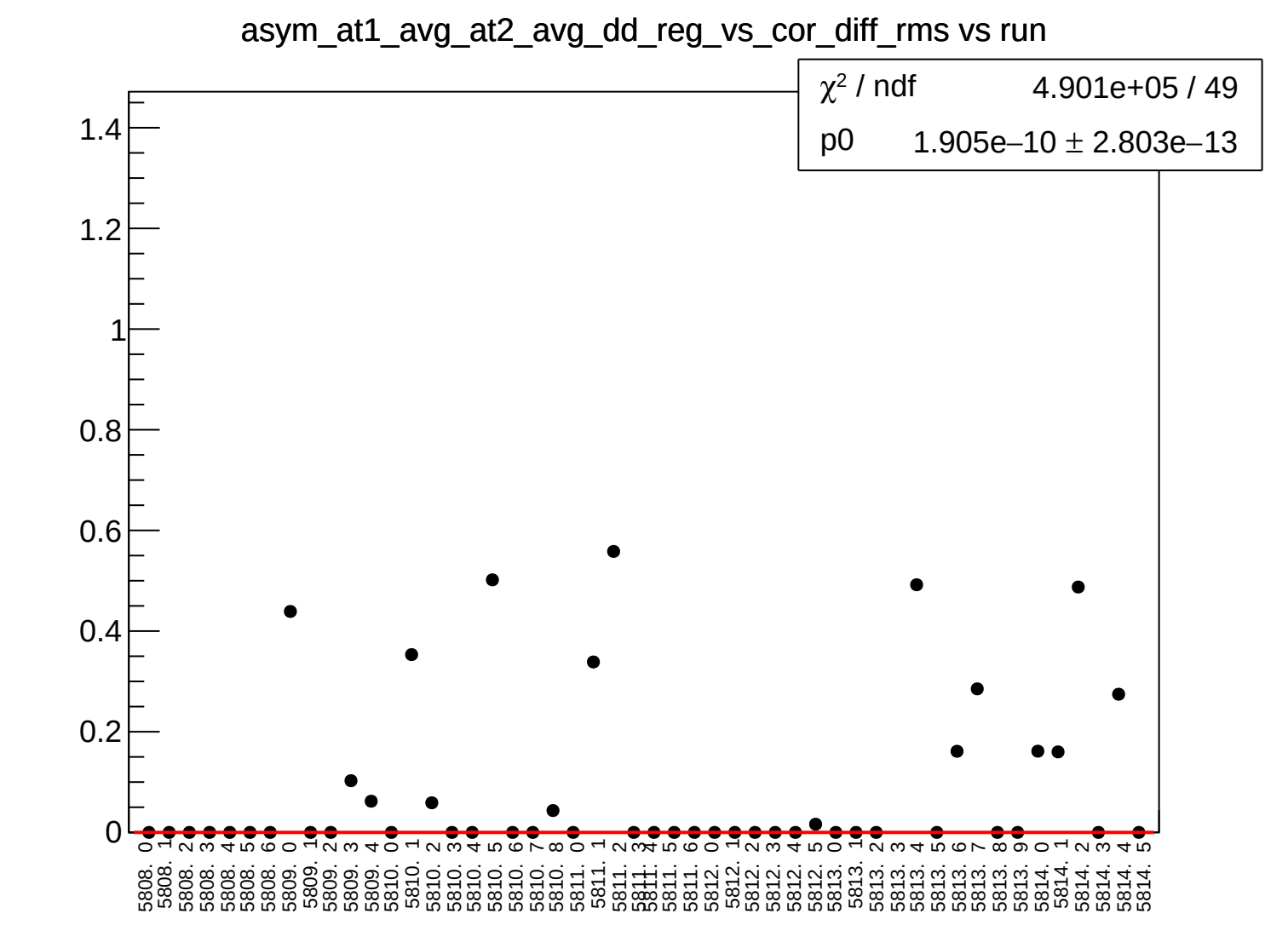

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

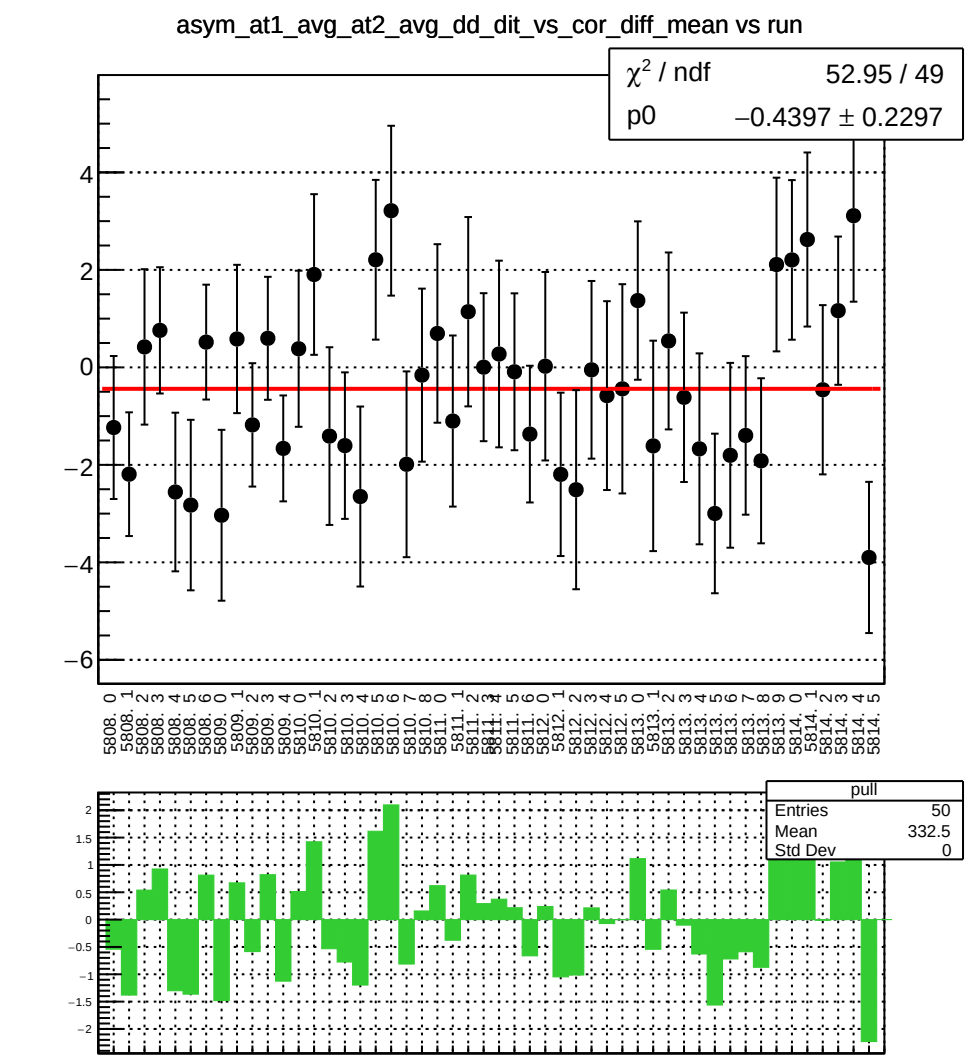

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 48.17 / 49
p0 1.002e+04 ± 5114
100
50
0
−50
−100
pull
Entries 50
Mean −6564
Std Dev 0
2
1
0
−1
−2

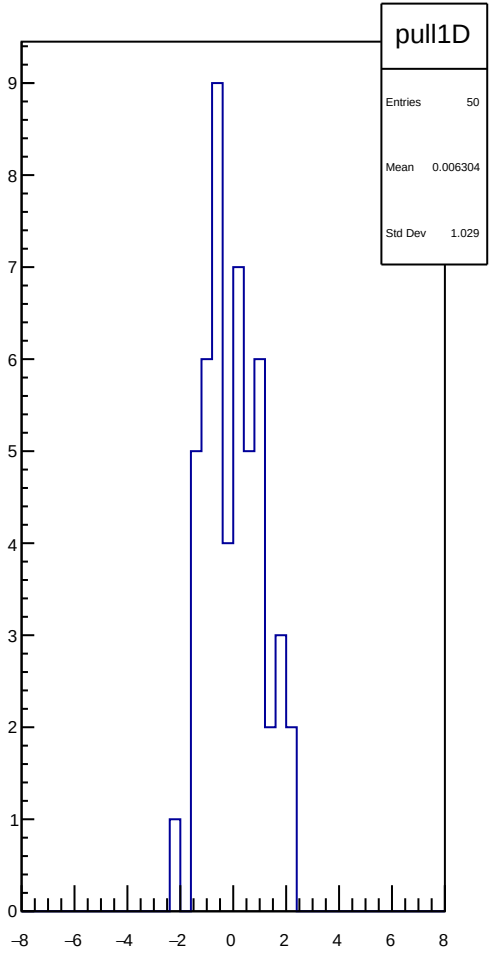

pull1D
Entries 50
Mean −0.0004398
Std Dev 0.9815
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

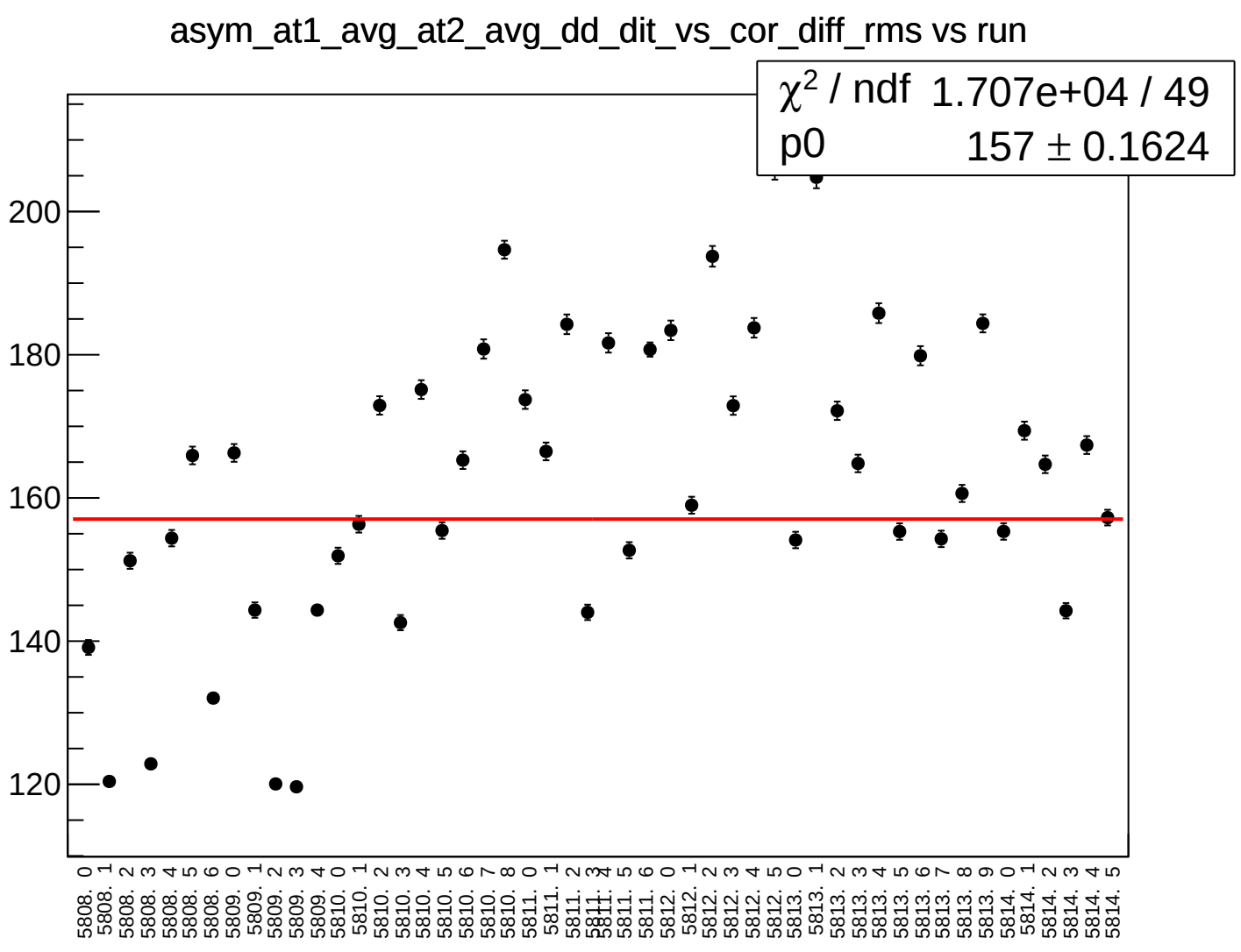

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 1521 / 49
p0 3526 ± 3.616
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

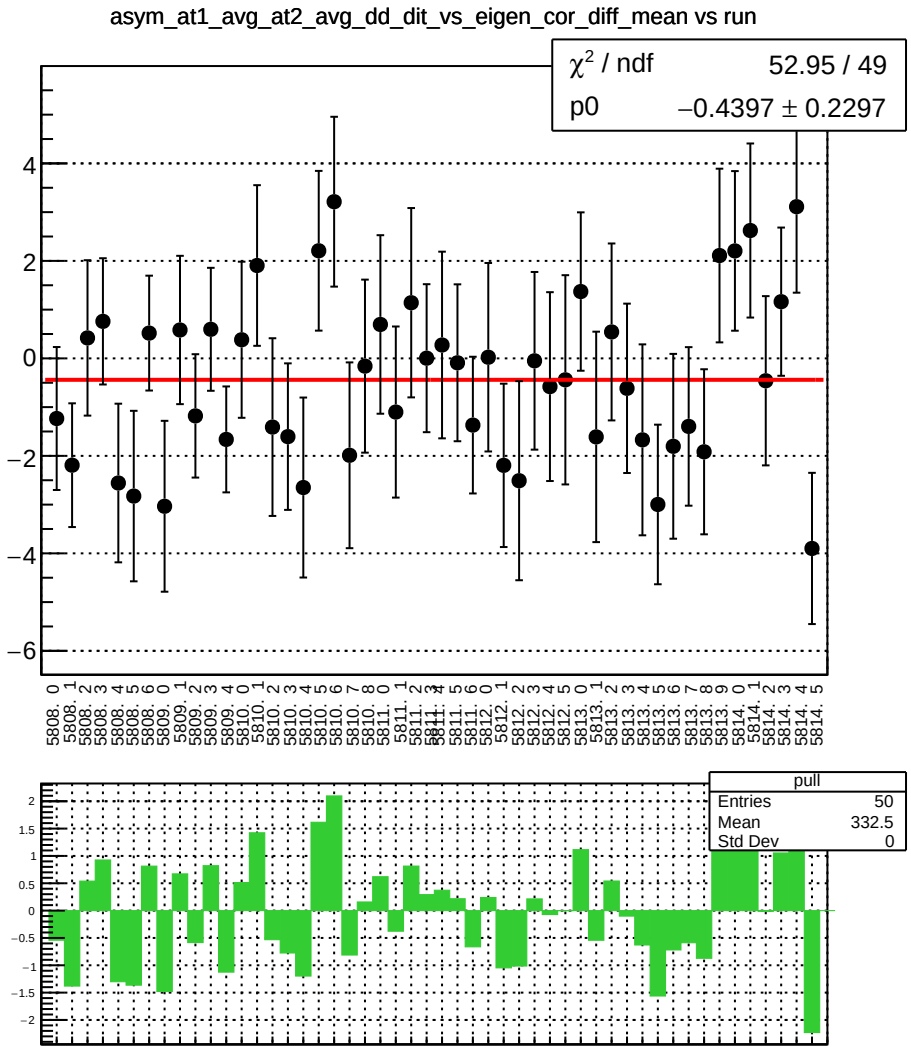

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.47 / 49
p0 −9.742e−14 ± 3.964e−13
pull
Entries 50
Mean 225.5
Std Dev 0
pull1D
Entries 50
Mean −0.00966
Std Dev 1.179

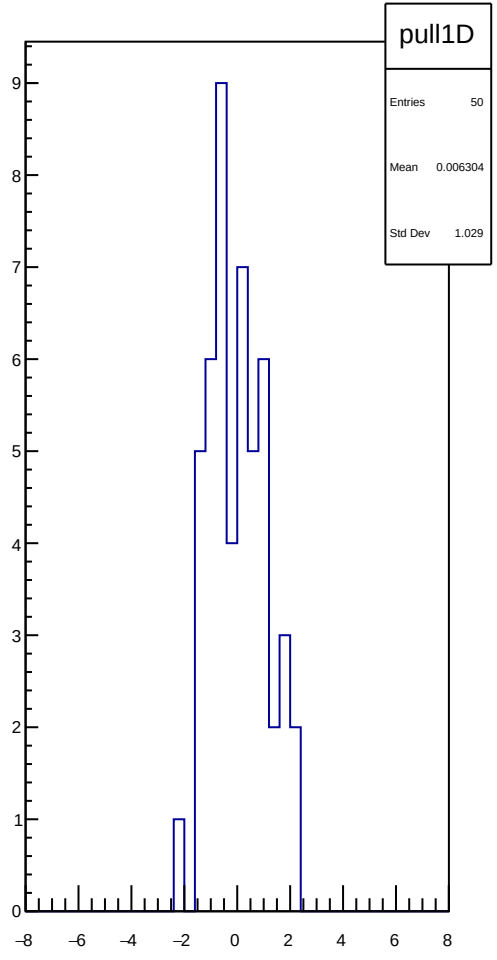

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.901e+05 / 49
p0 1.905e−10 ± 2.803e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

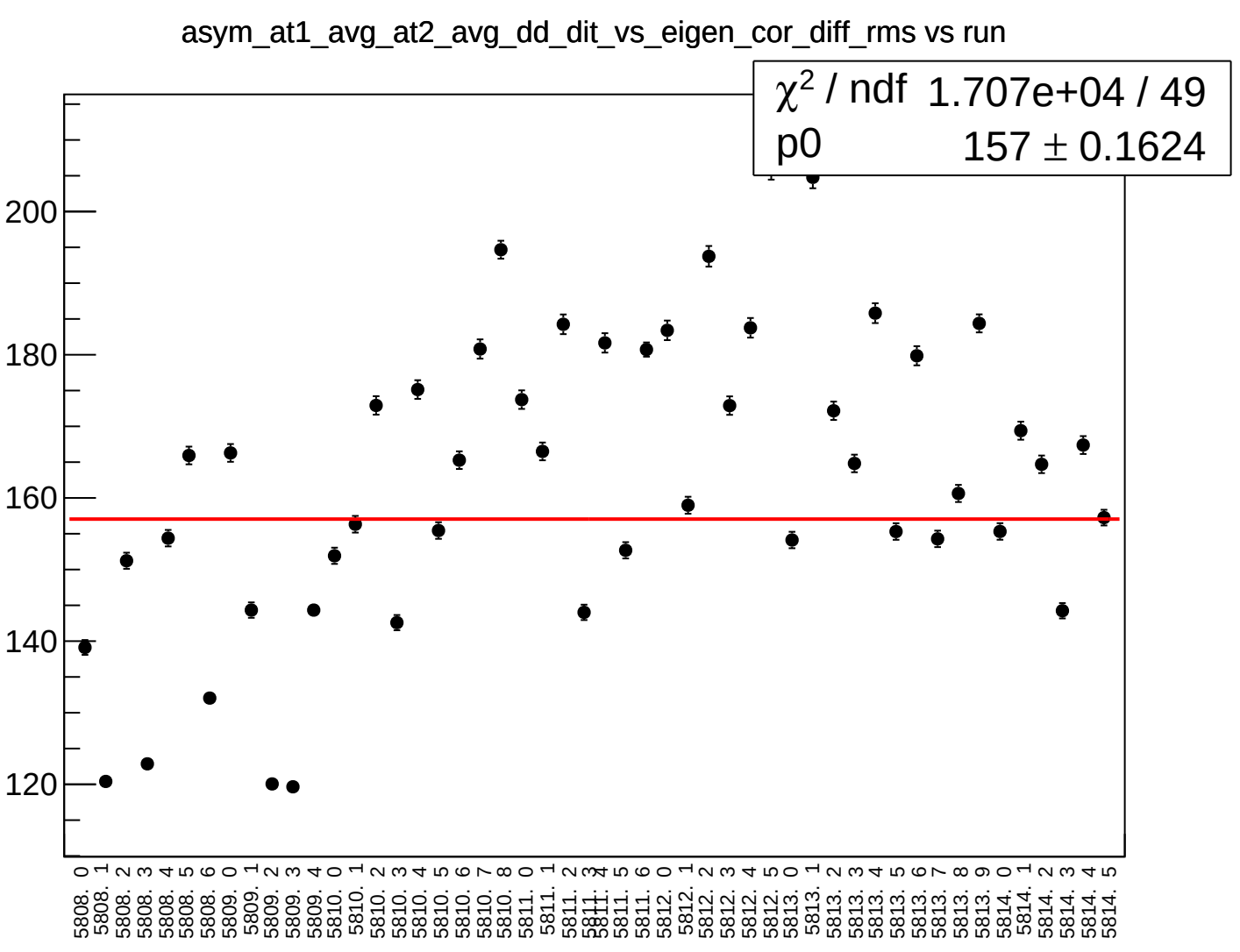

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.5
Std Dev 0

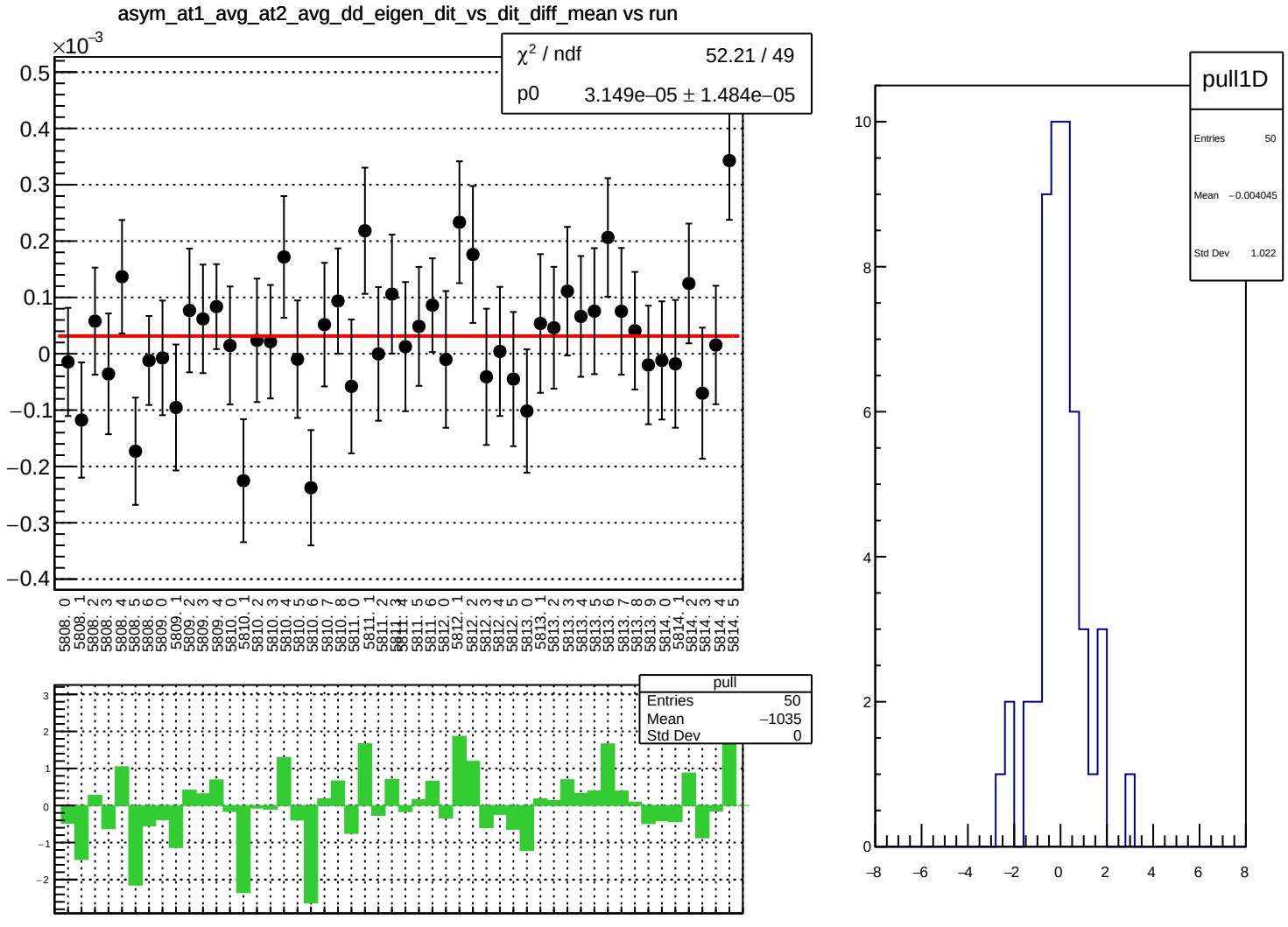

pull1D
Entries 50
Mean 0.006304
Std Dev 1.029

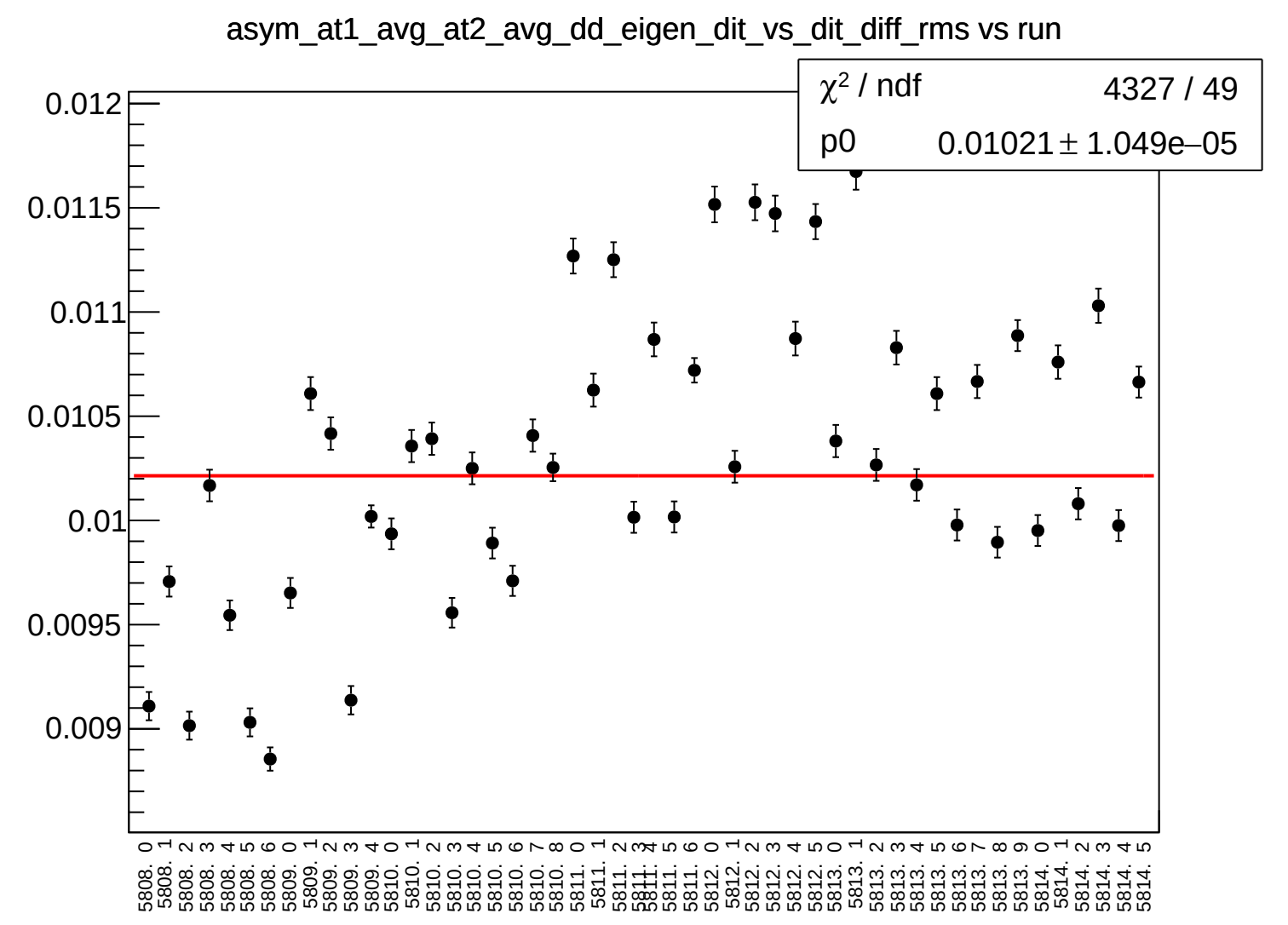

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.5
Std Dev 0

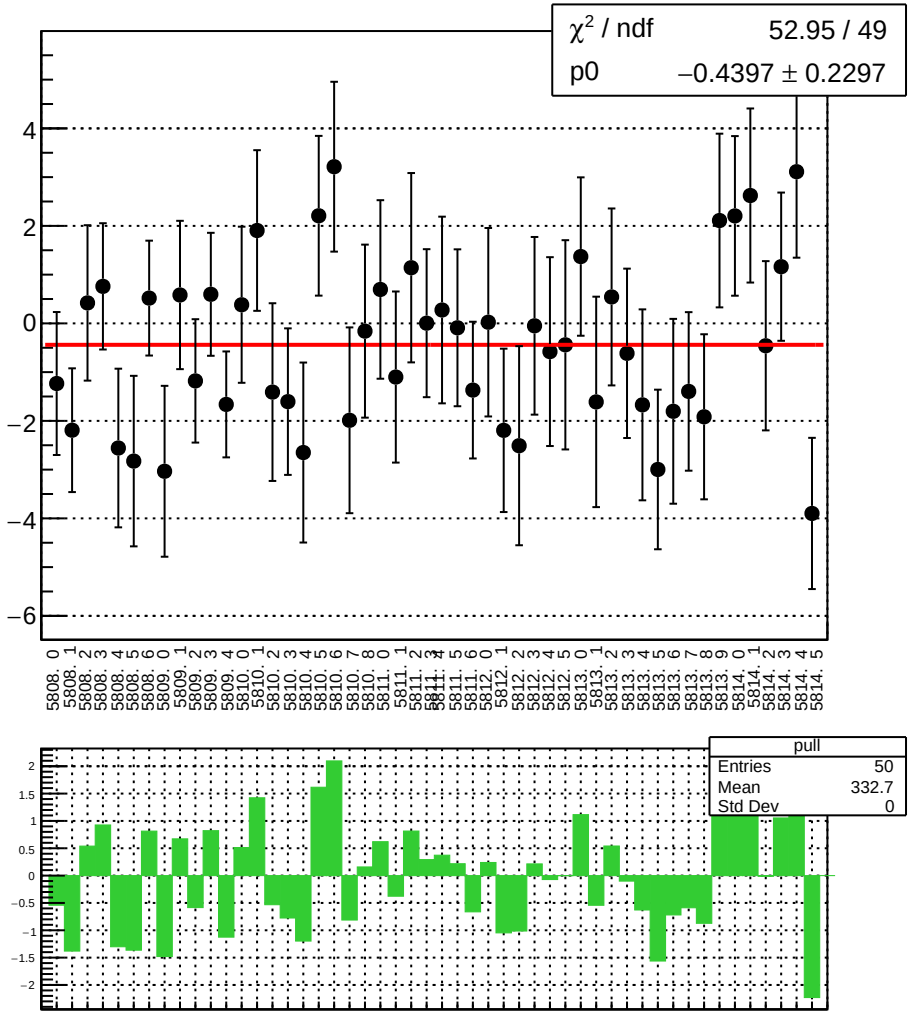

pull1D
Entries 50
Mean 0.006304
Std Dev 1.029

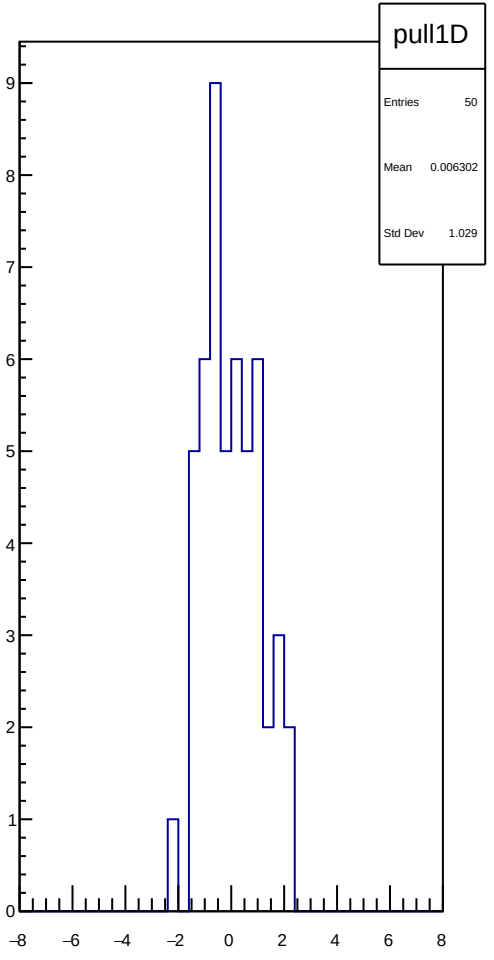

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

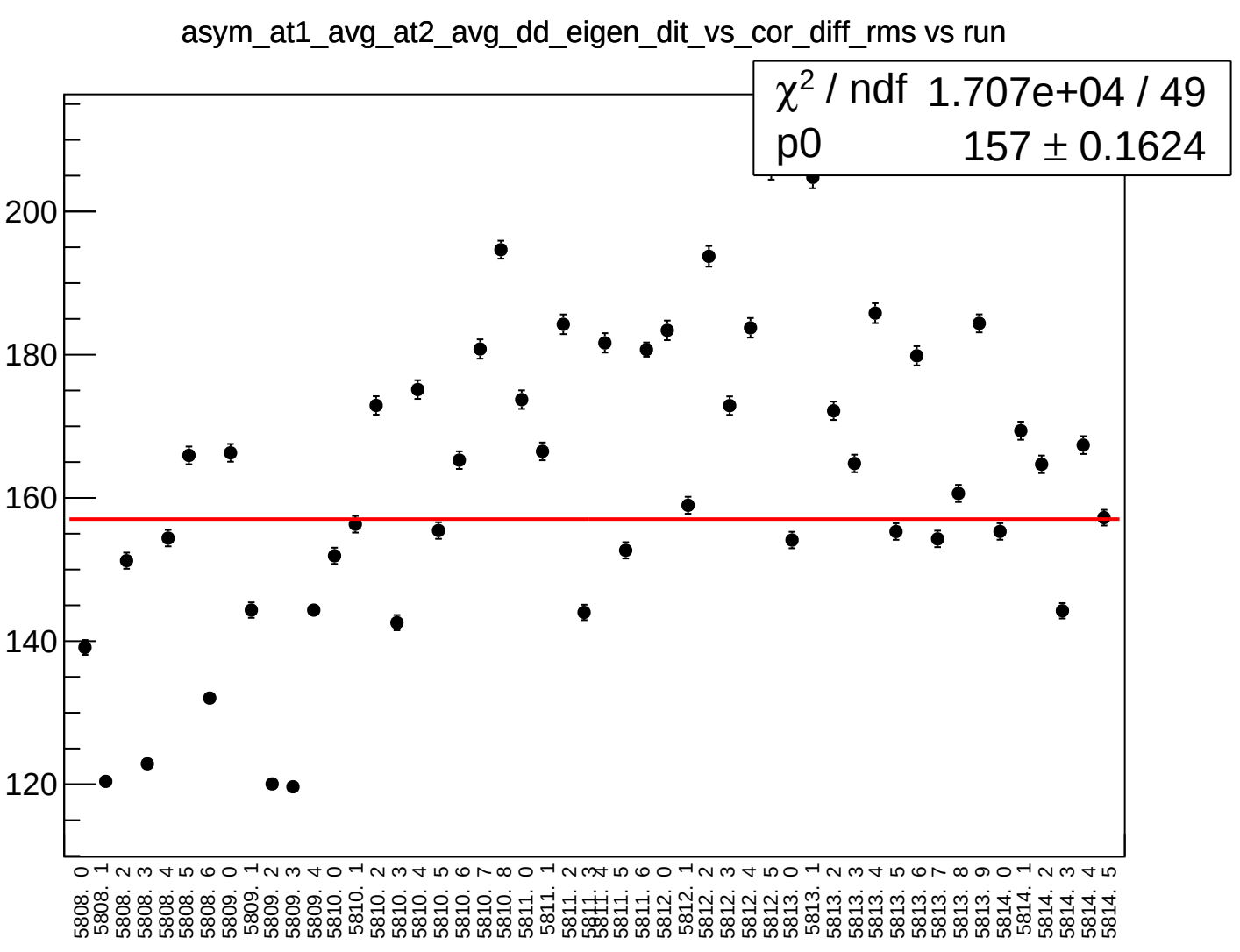

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.21 / 49
p0 3.149e−05 ± 1.484e−05
pull
Entries 50
Mean −1035
Std Dev 0
pull1D
Entries 50
Mean −0.004045
Std Dev 1.022

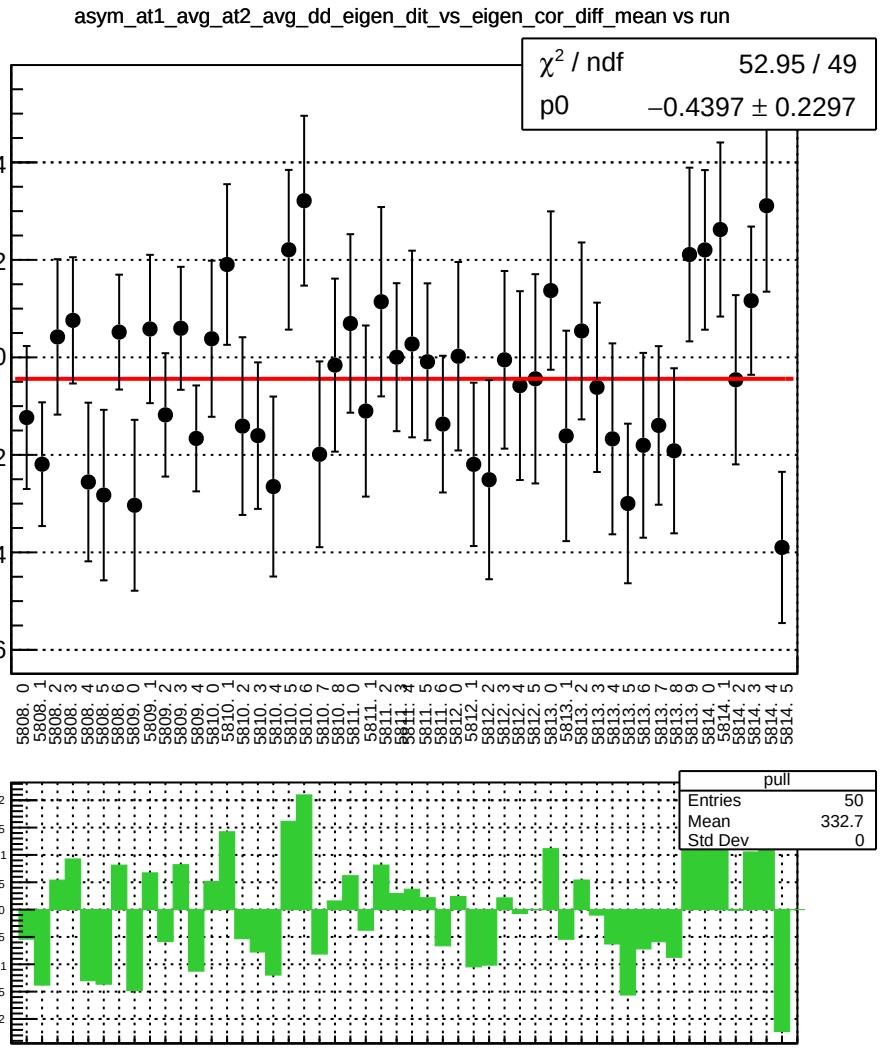

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4327 / 49
p0 0.01021 ± 1.049e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

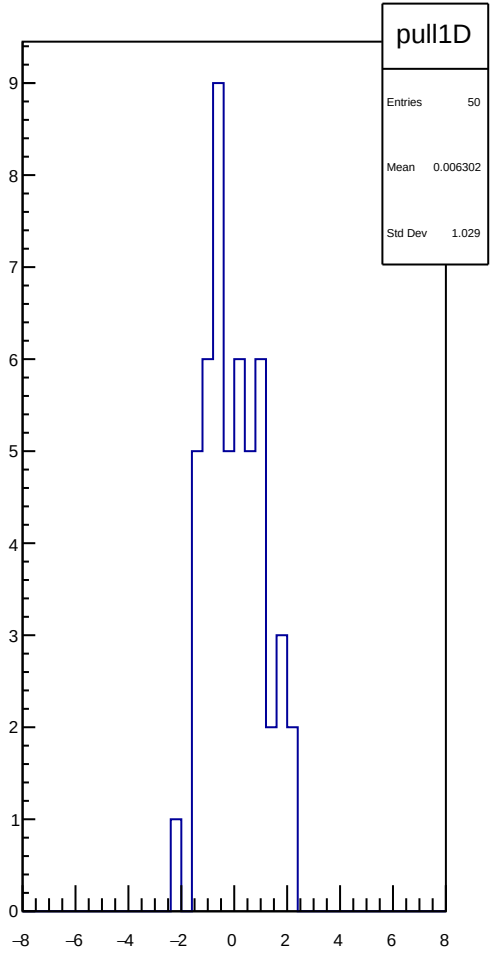
asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run

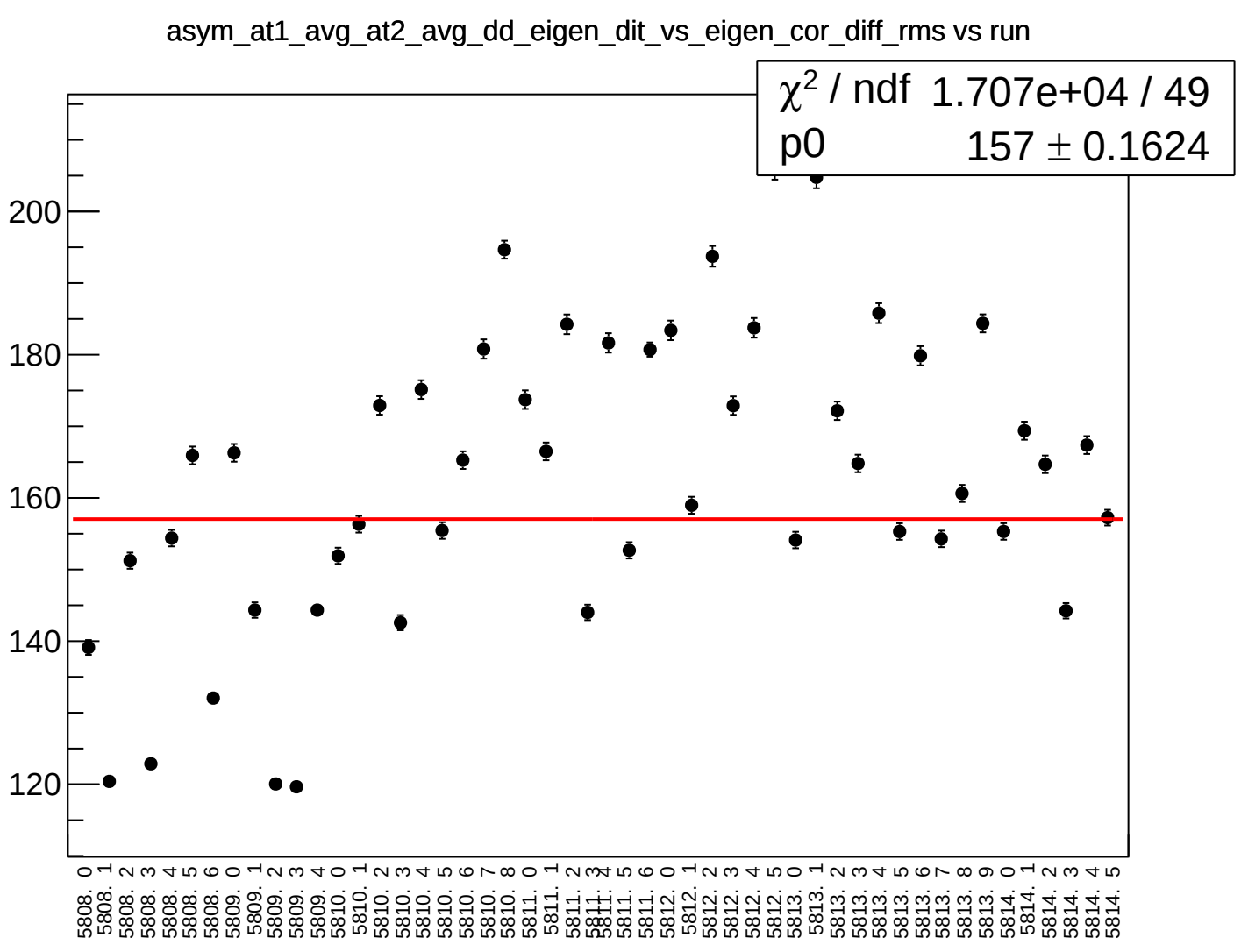


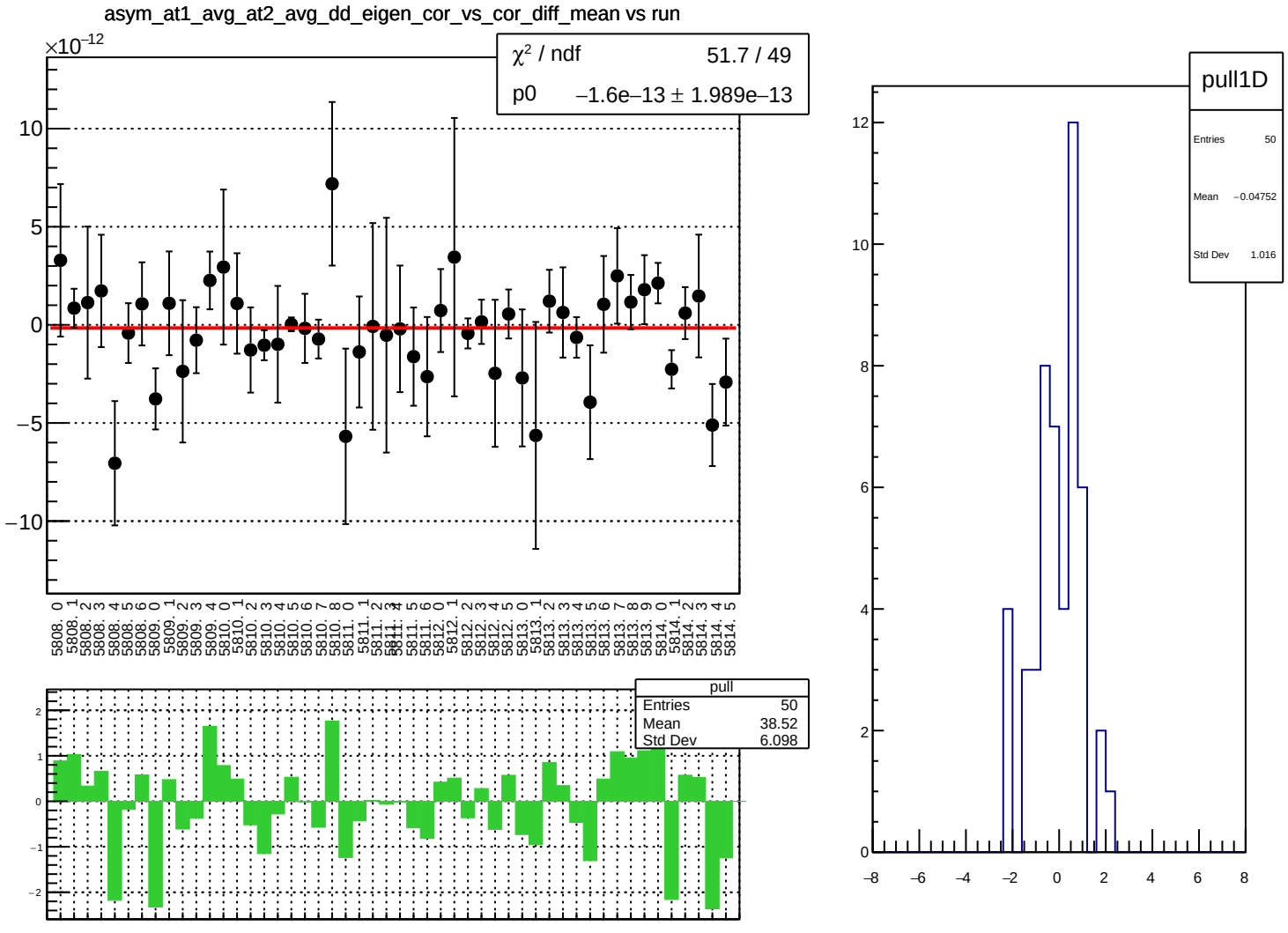


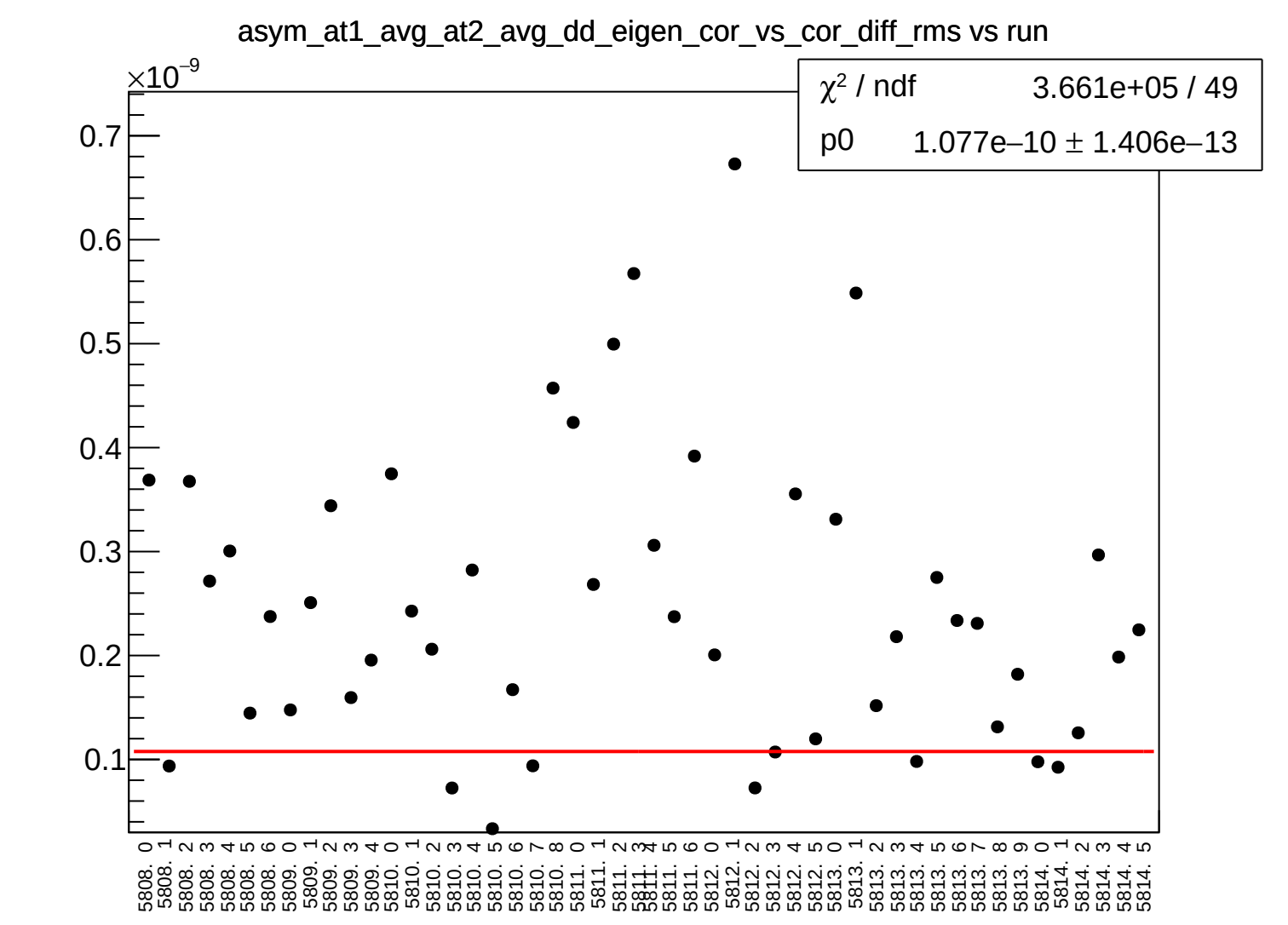

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

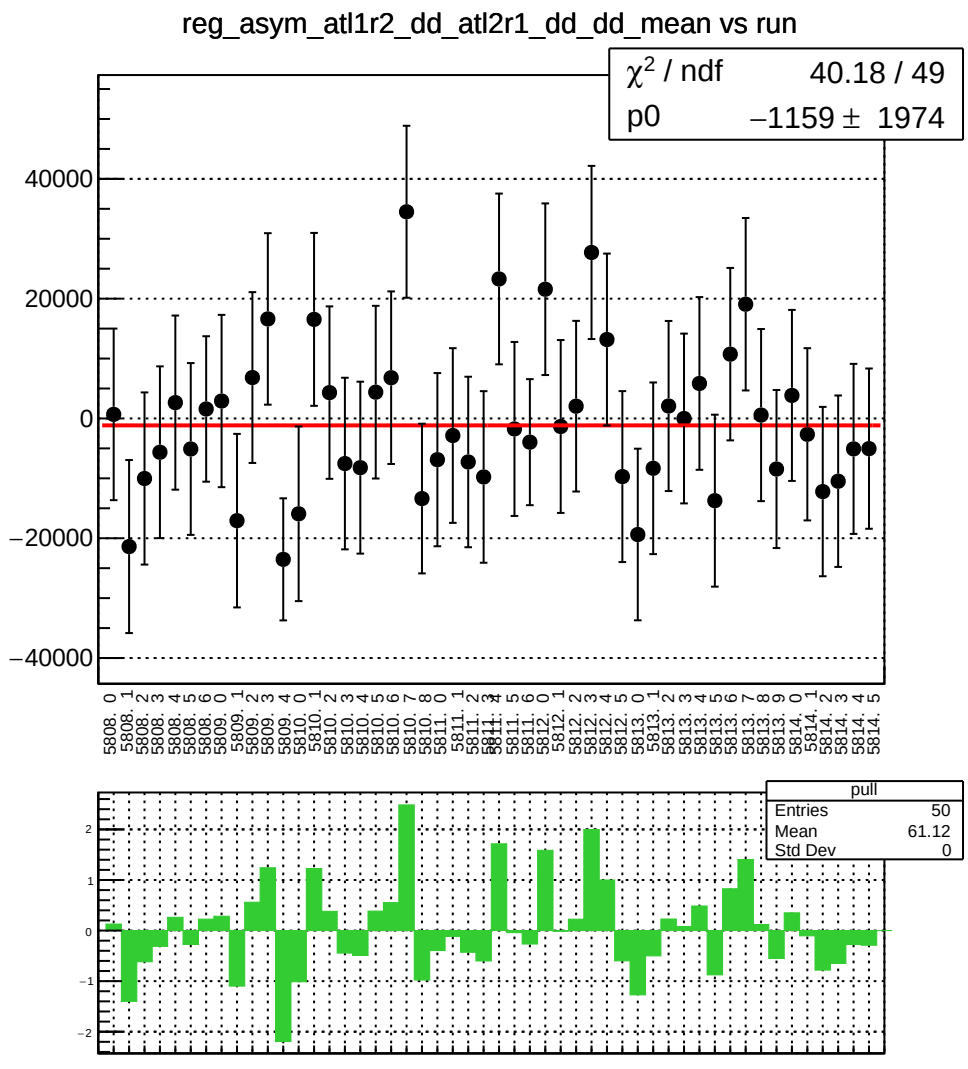

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.7
Std Dev 0

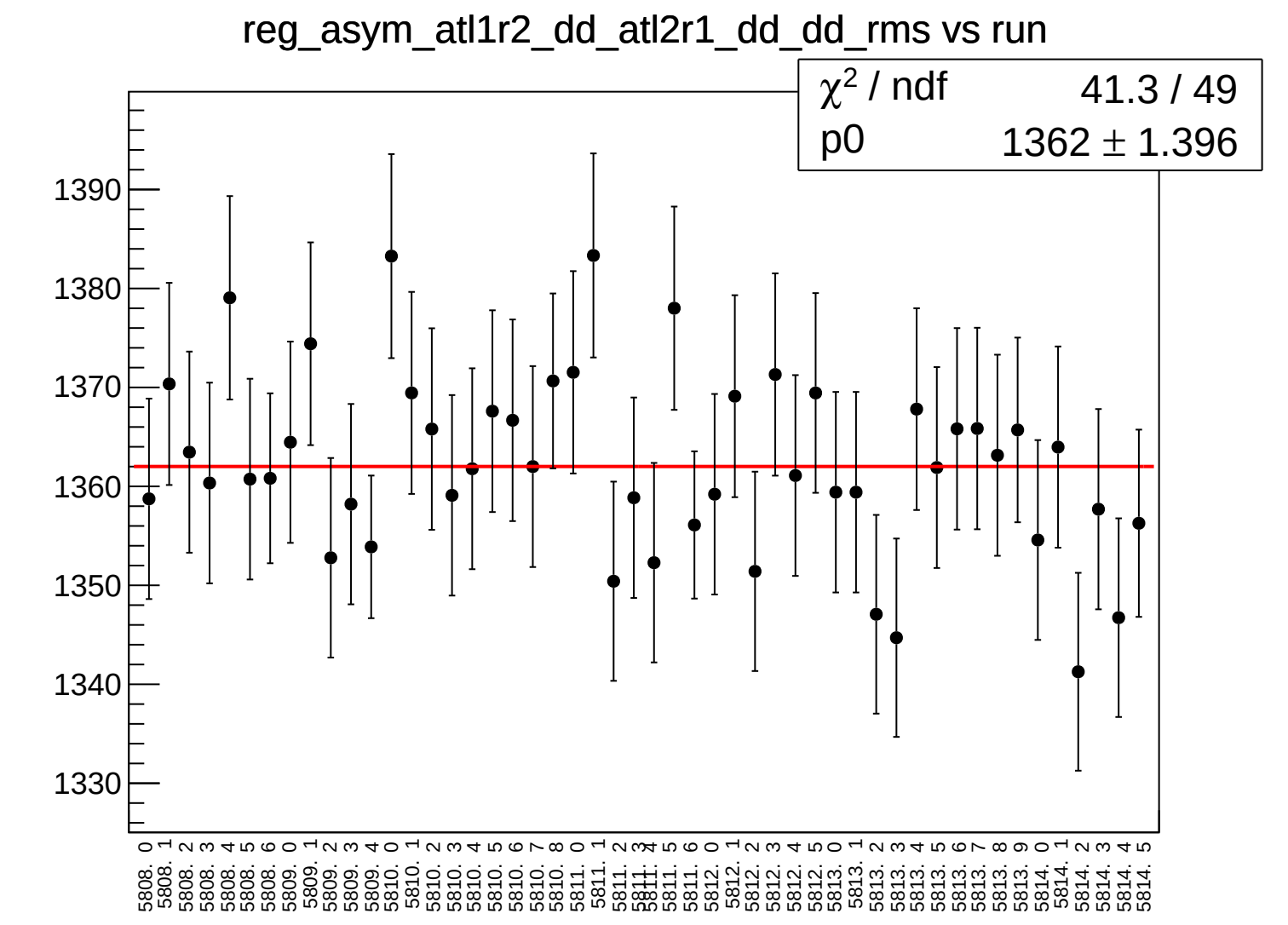

pull1D
Entries 50
Mean 0.006302
Std Dev 1.029


asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.7 / 49
p0 −1.6e−13 ± 1.989e−13
10
5
0
−5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 38.52
Std Dev 6.098
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.04752
Std Dev 1.016
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.661e+05 / 49
p0 1.077e−10 ± 1.406e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 61.12
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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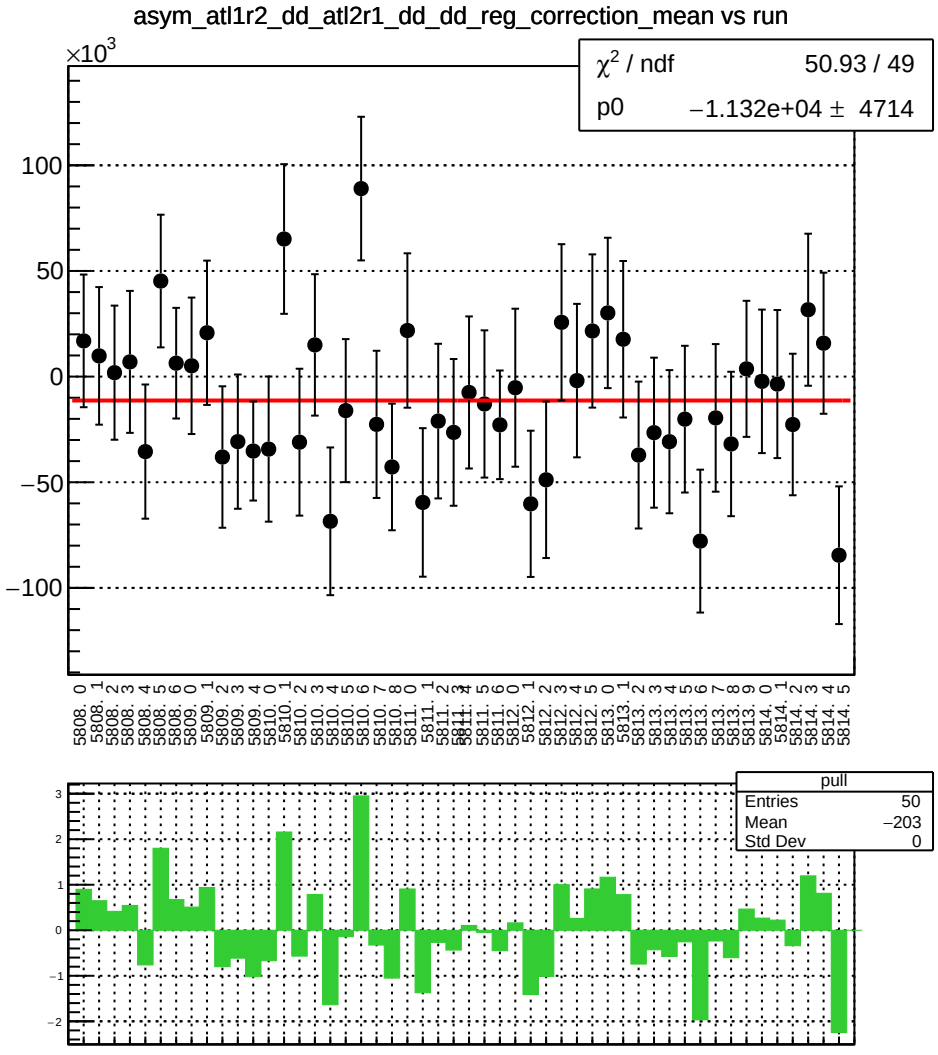
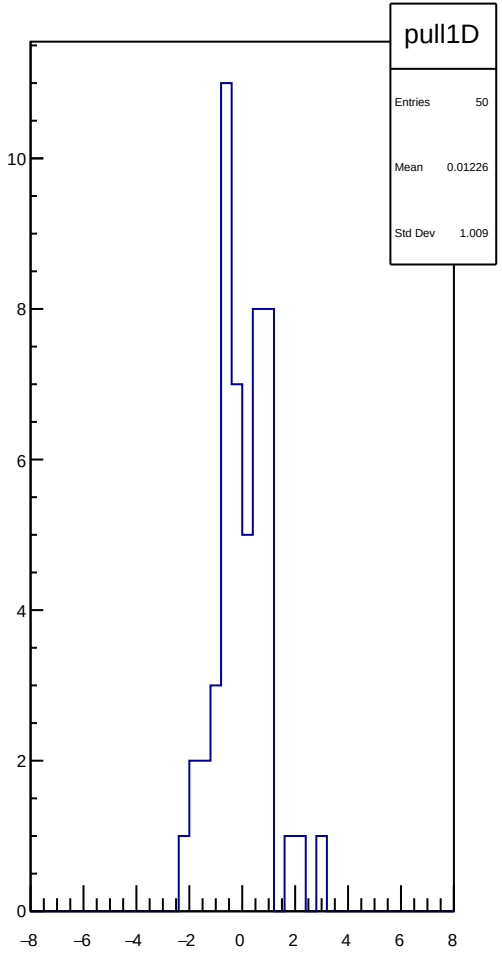
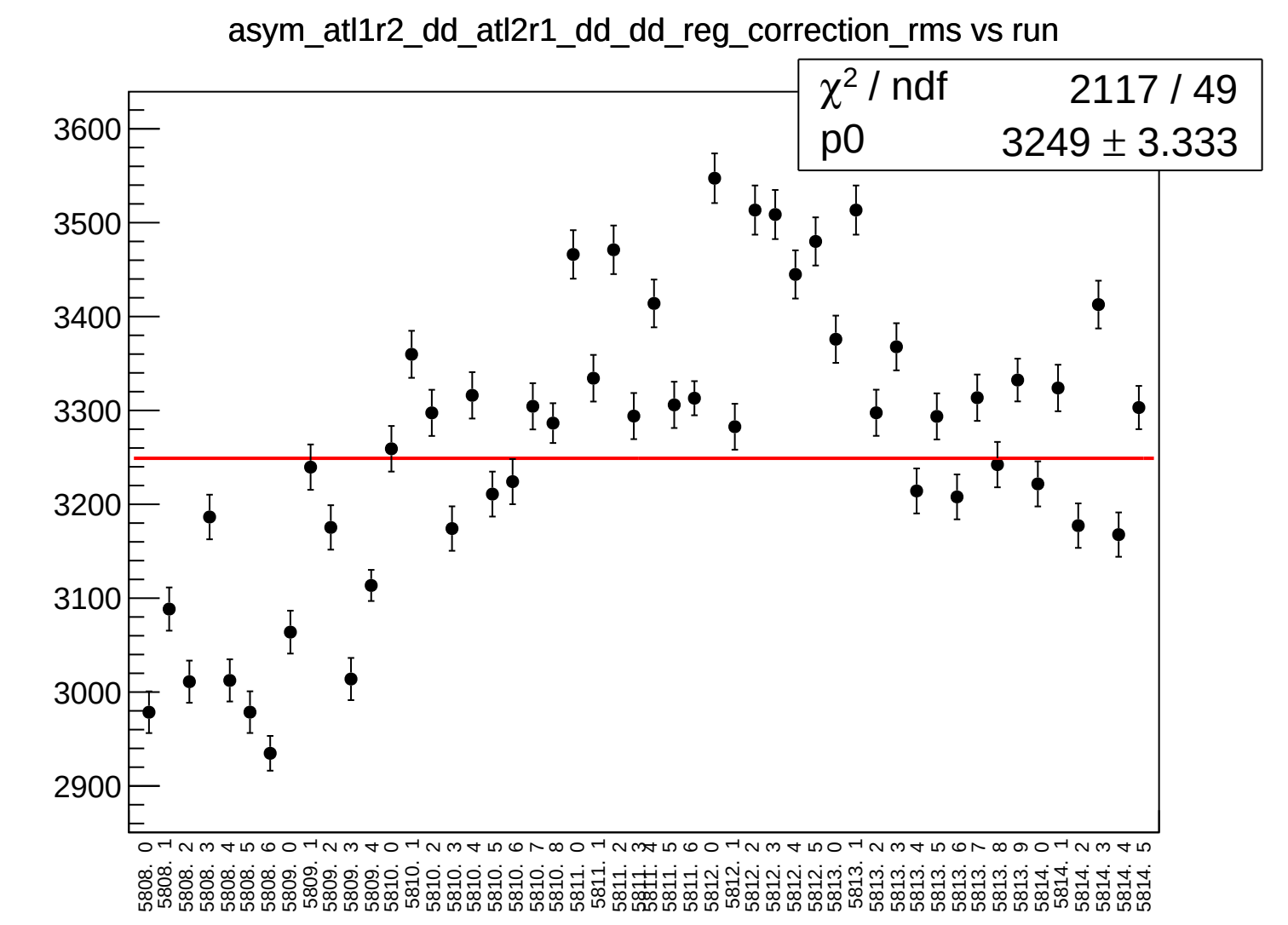
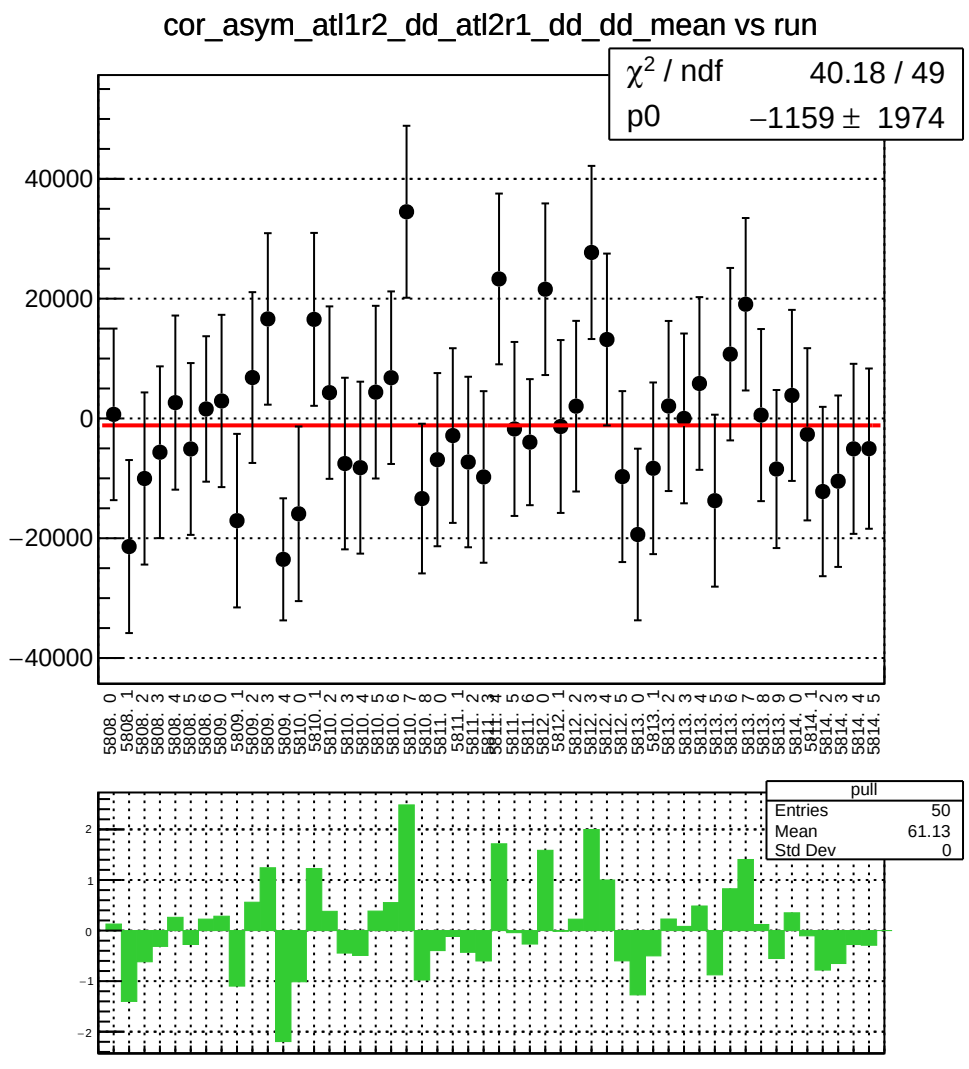
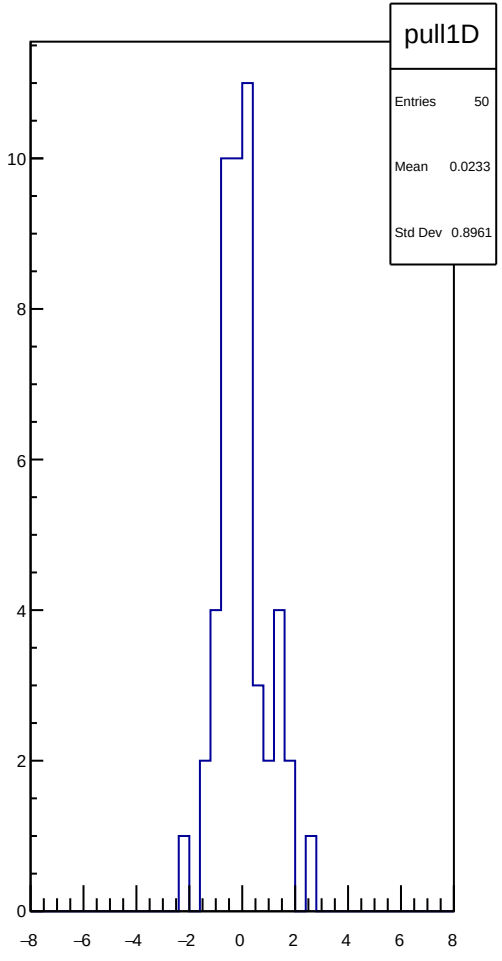
5814. 2
5814. 3
5814. 4
5814. 5

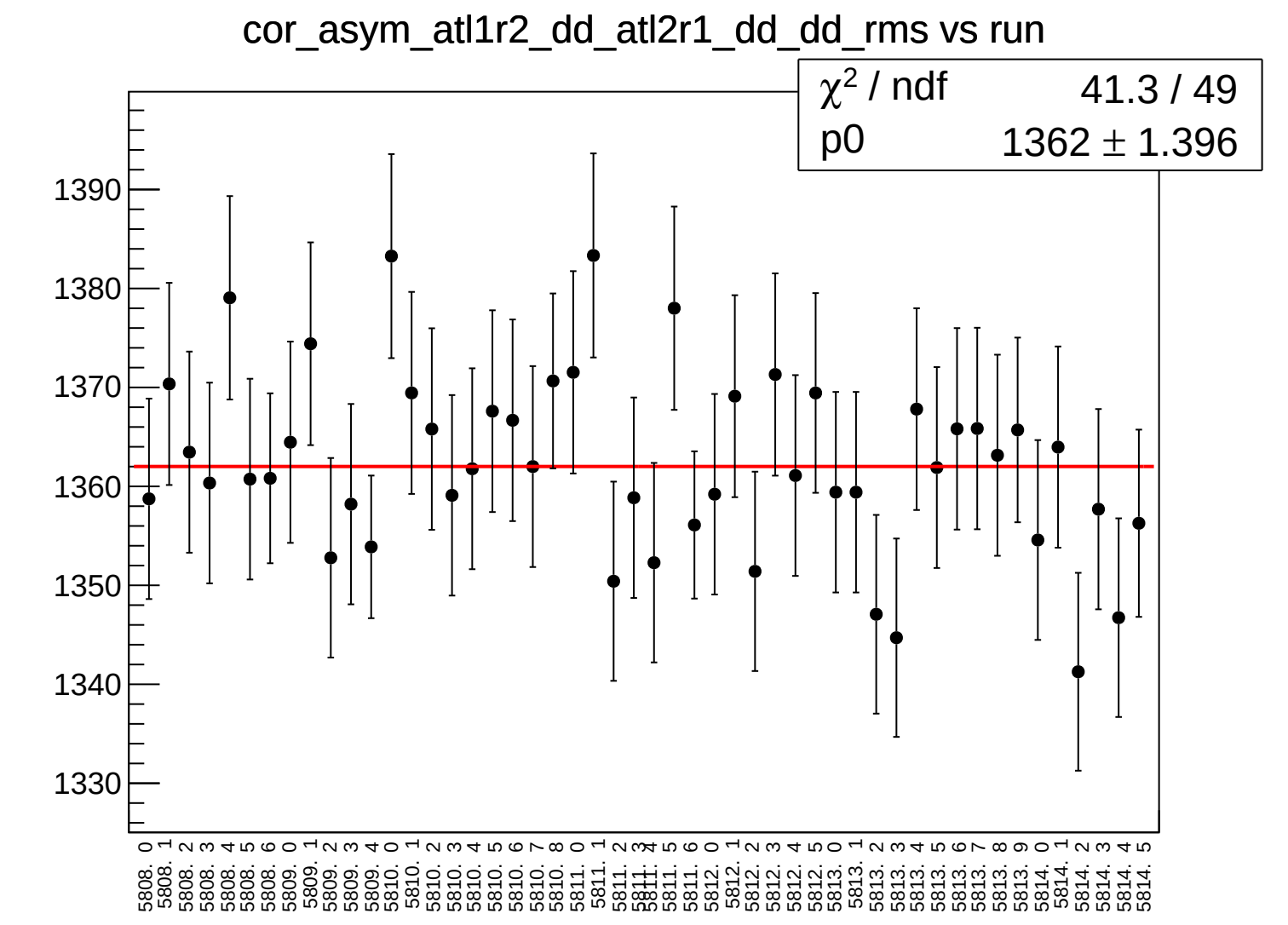

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0


pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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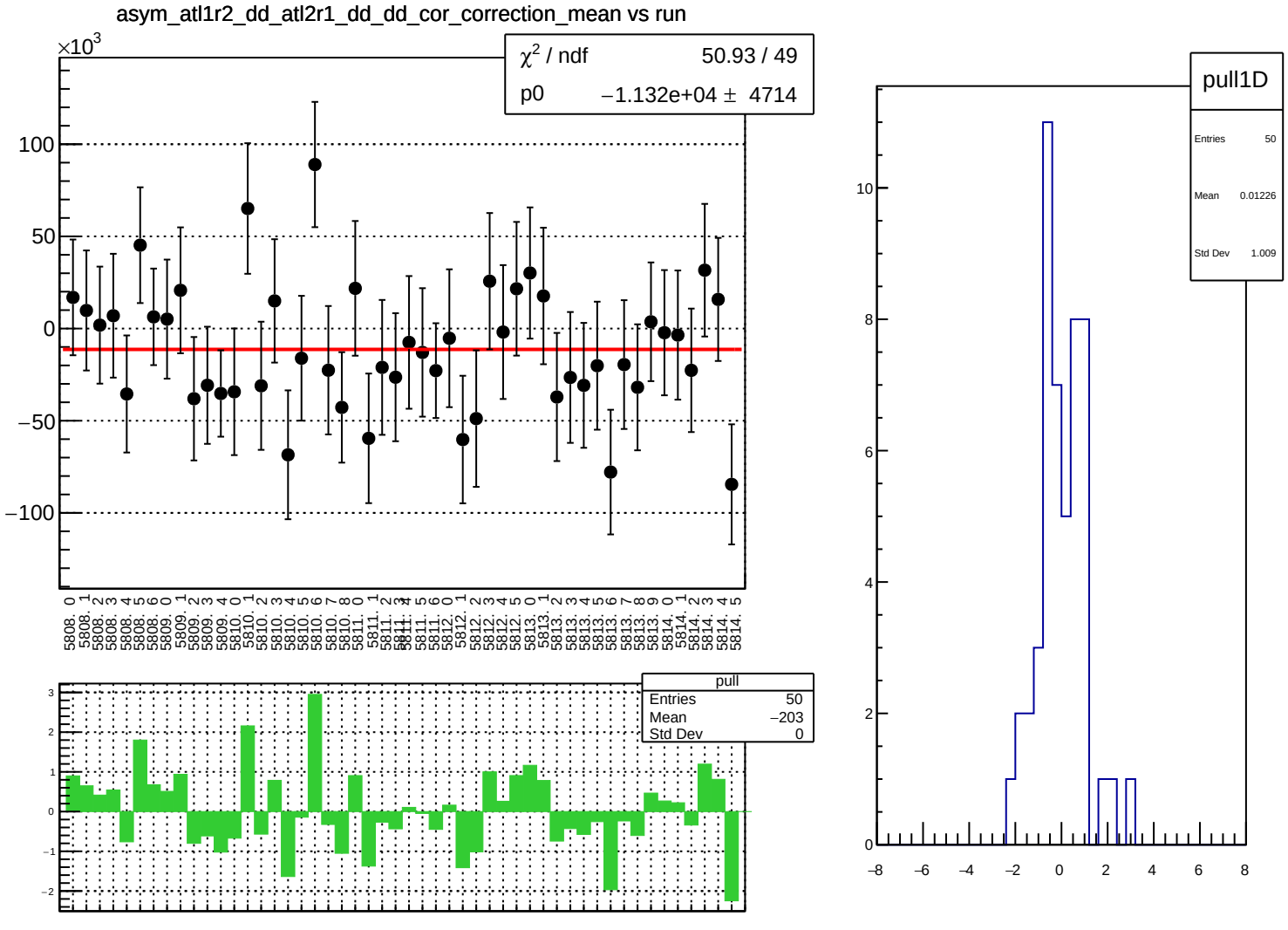
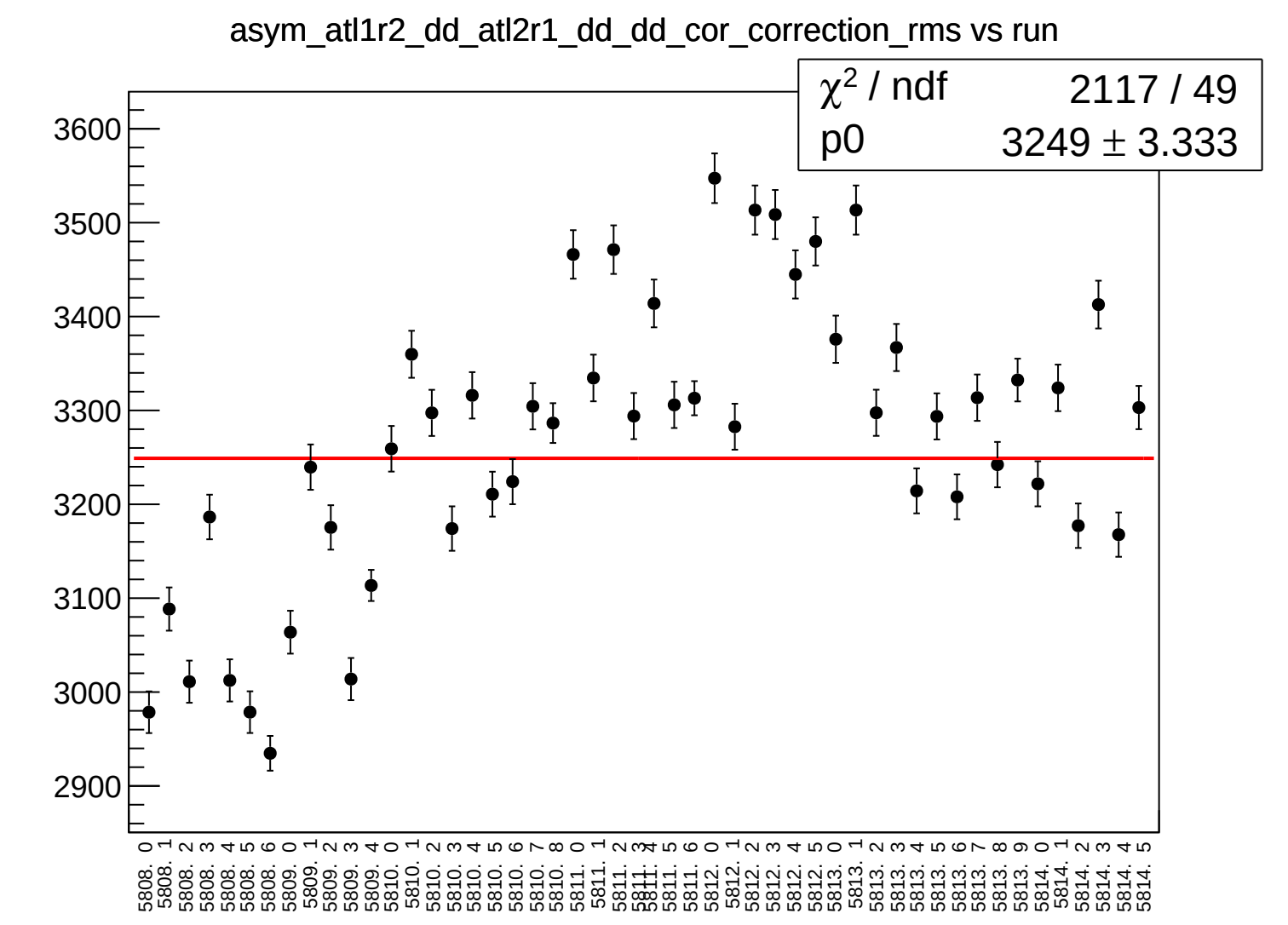
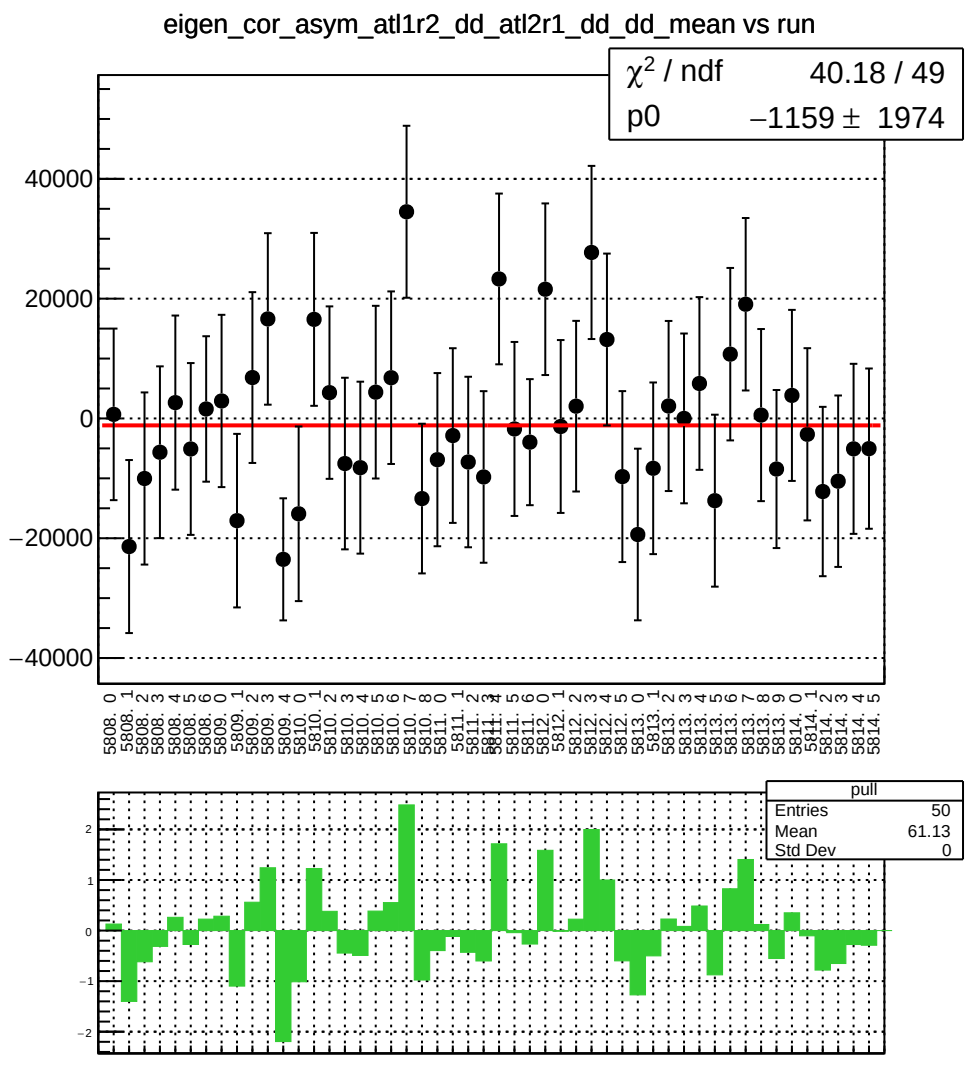
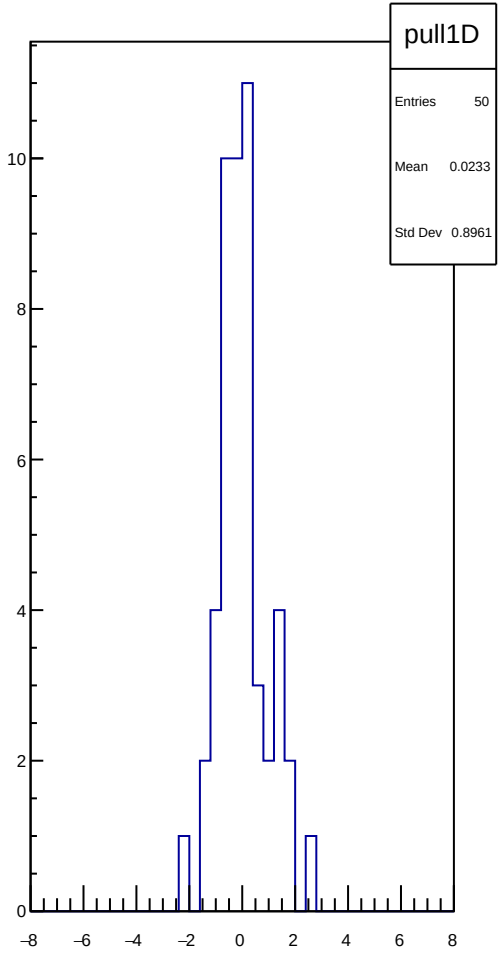
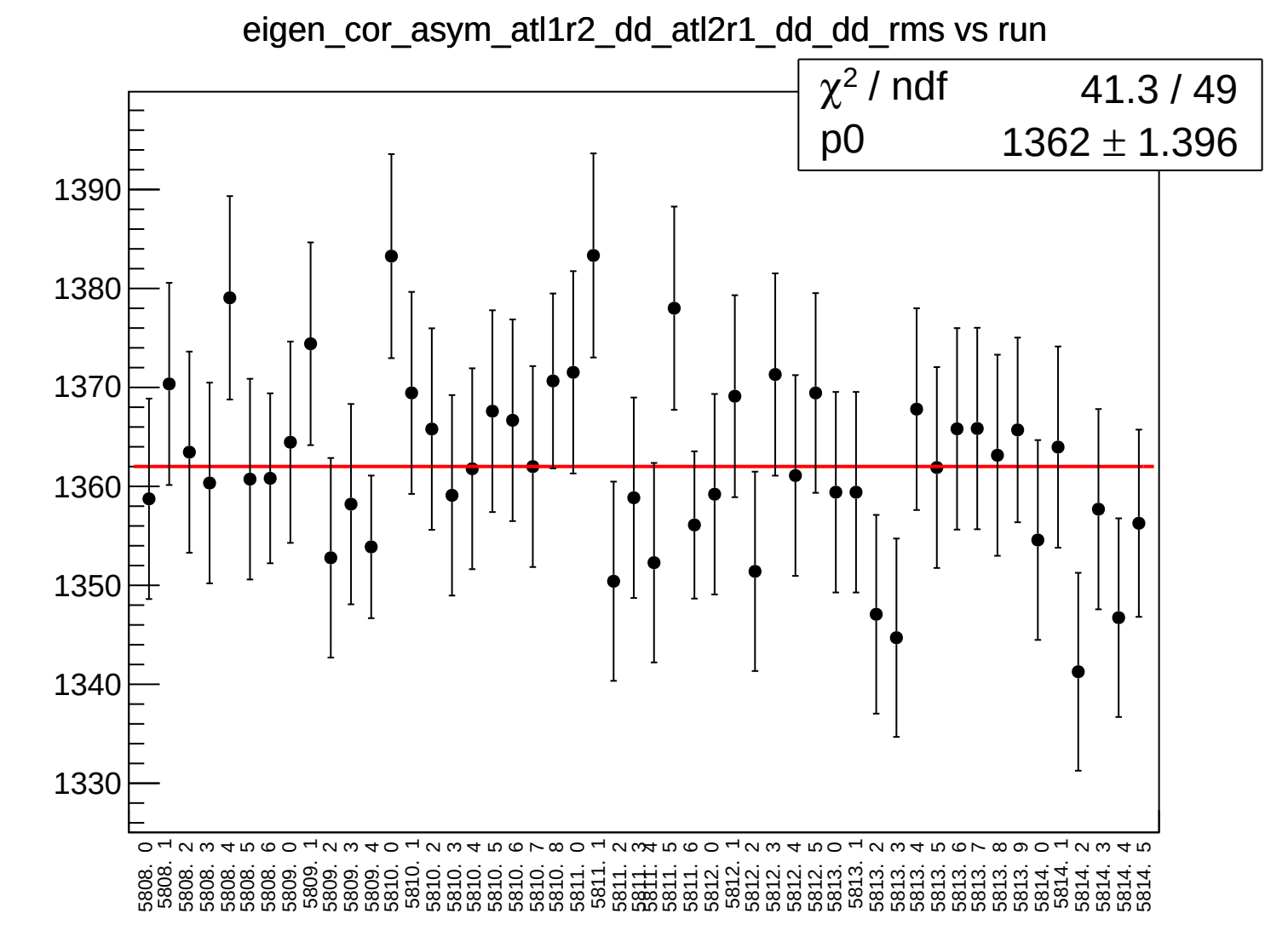
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 40.18 / 49
p0 −1159 ± 1974
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 61.13
Std Dev 0


pull1D
Entries 50
Mean 0.0233
Std Dev 0.8961


eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 41.3 / 49
p0 1362 ± 1.396
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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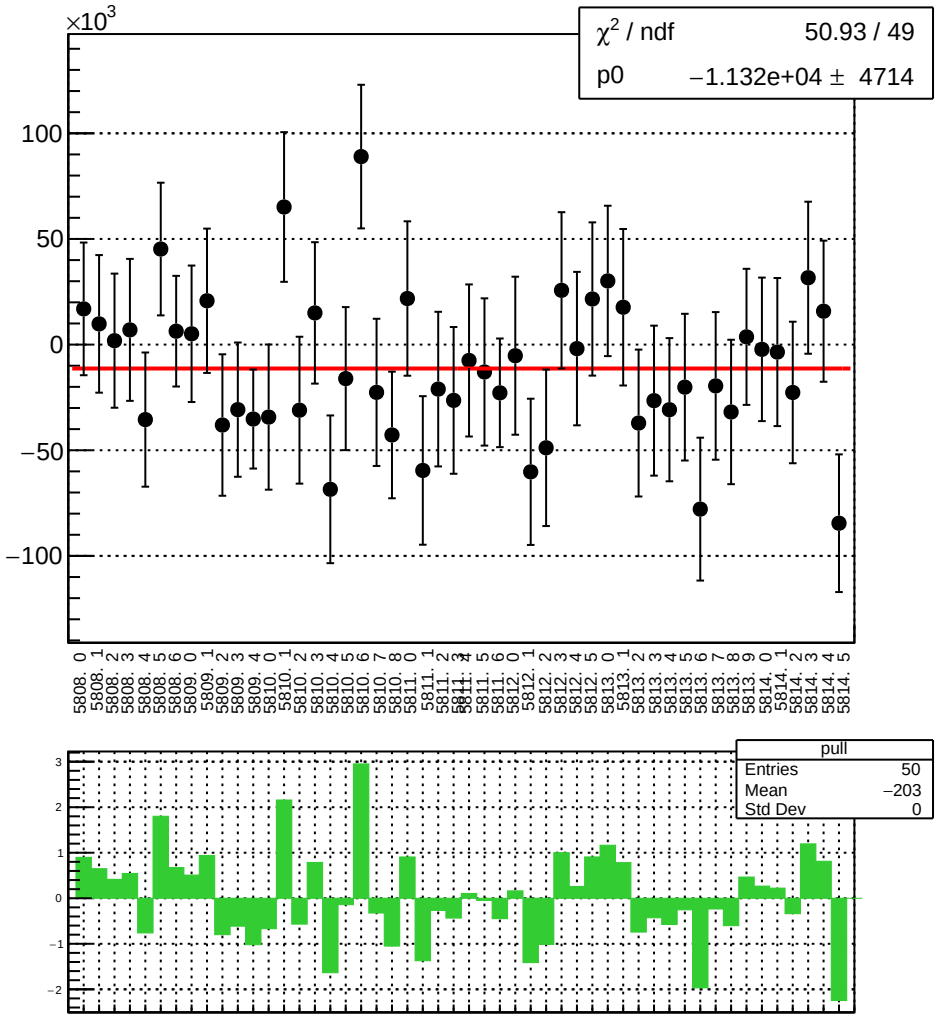
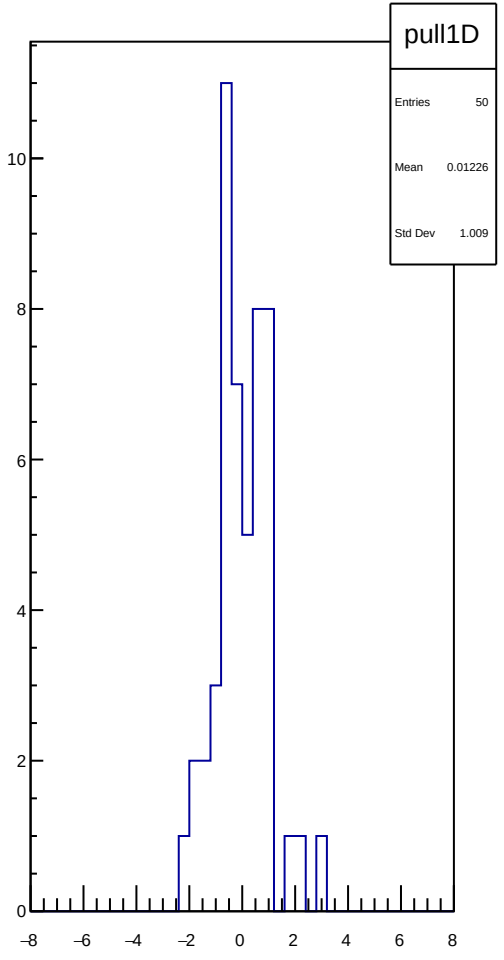
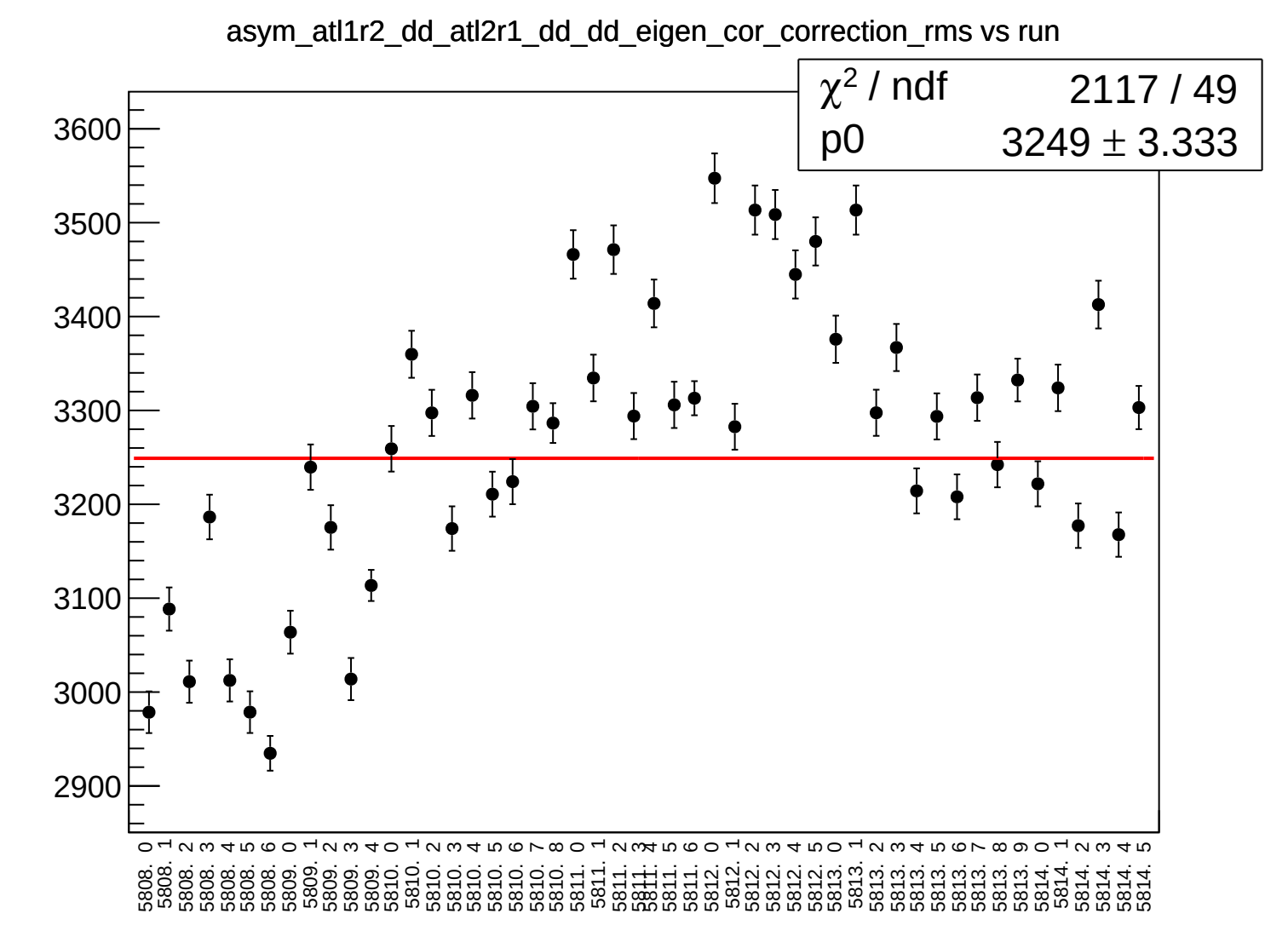
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.93 / 49
p0 −1.132e+04 ± 4714
100
50
0
−50
−100
pull
Entries 50
Mean −203
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01226
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2117 / 49
p0 3249 ± 3.333
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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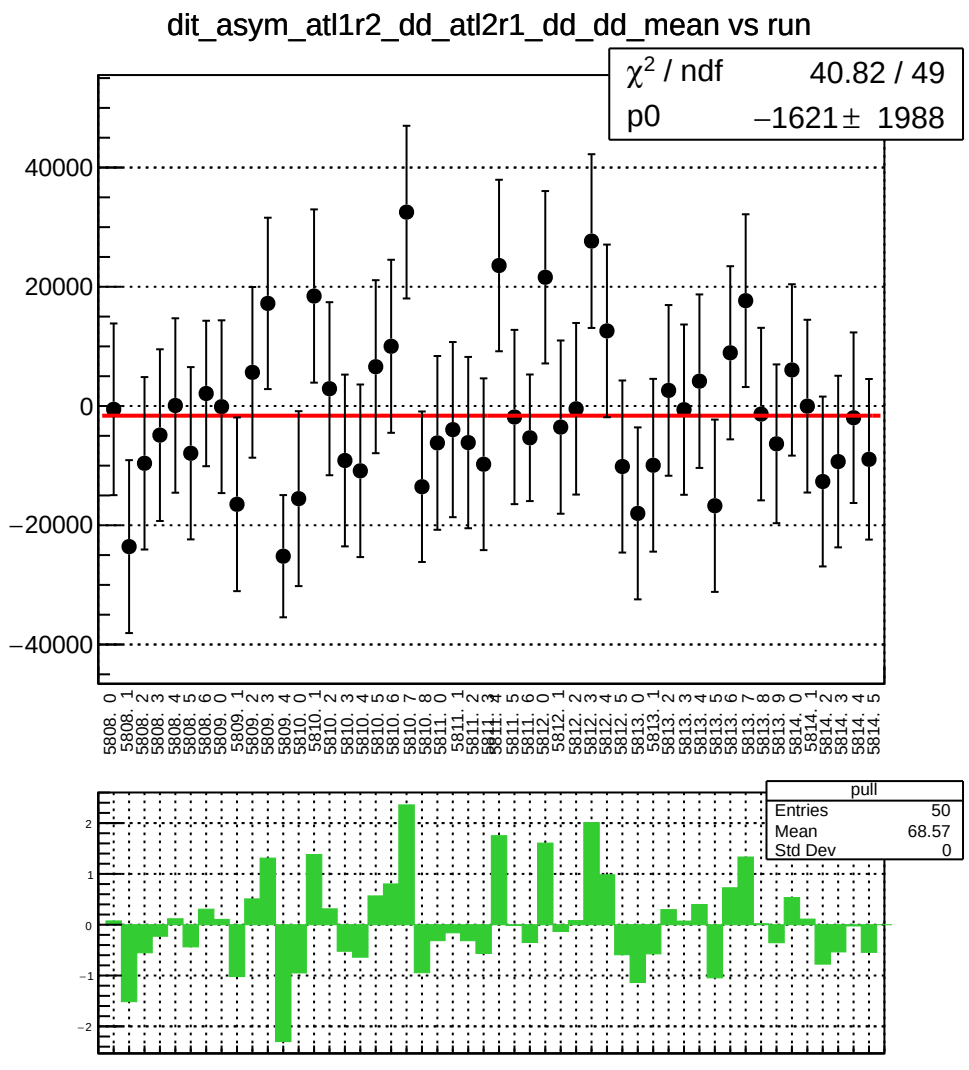
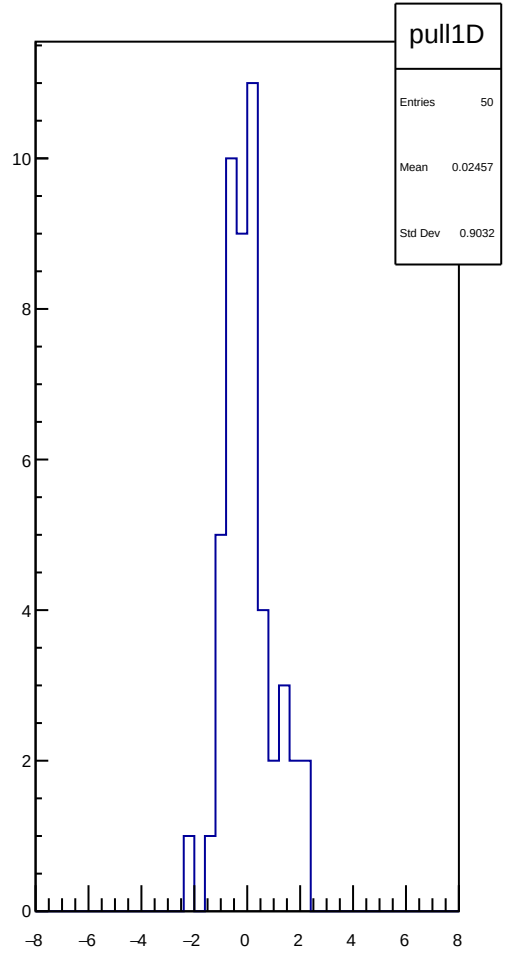
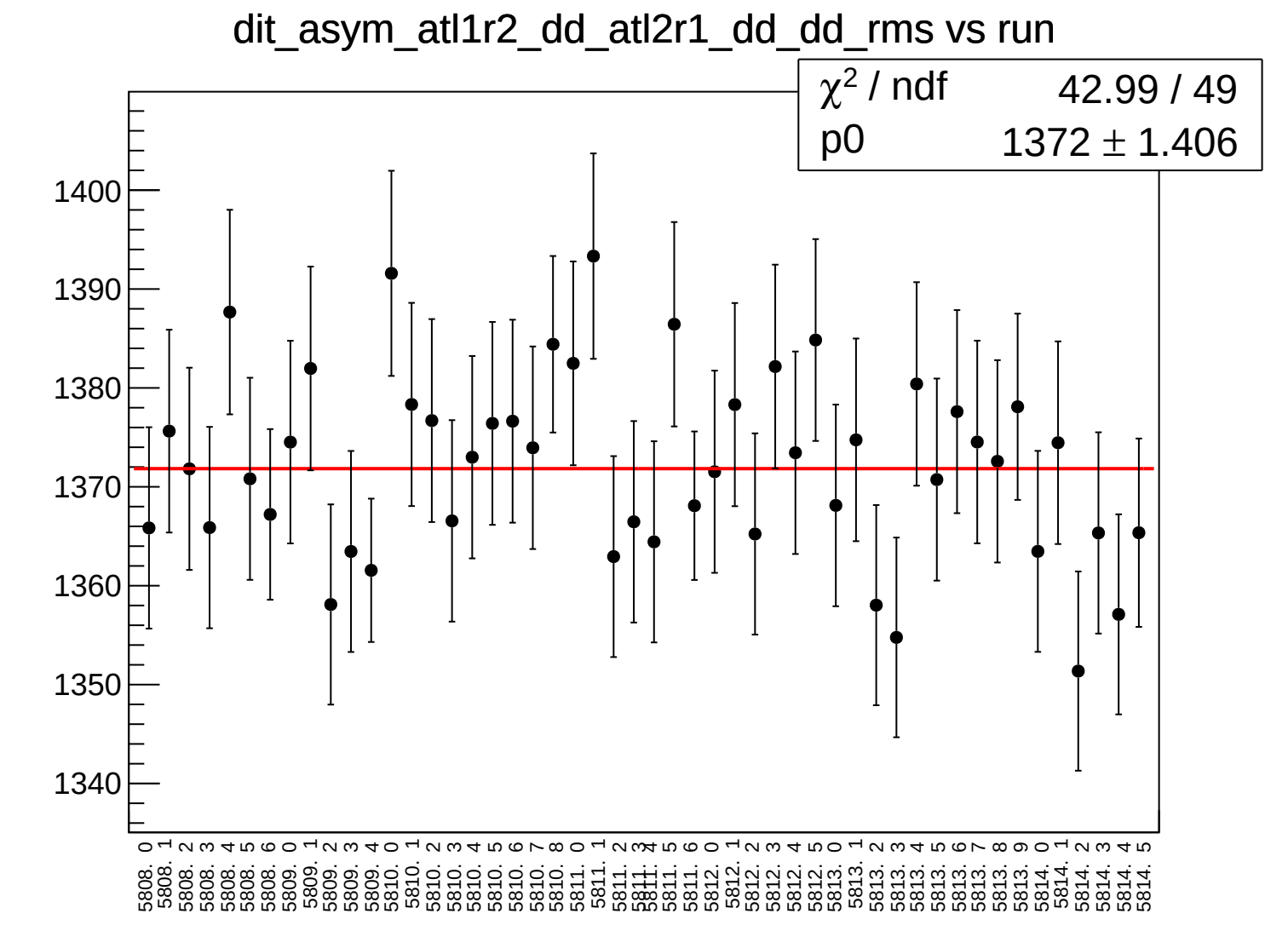
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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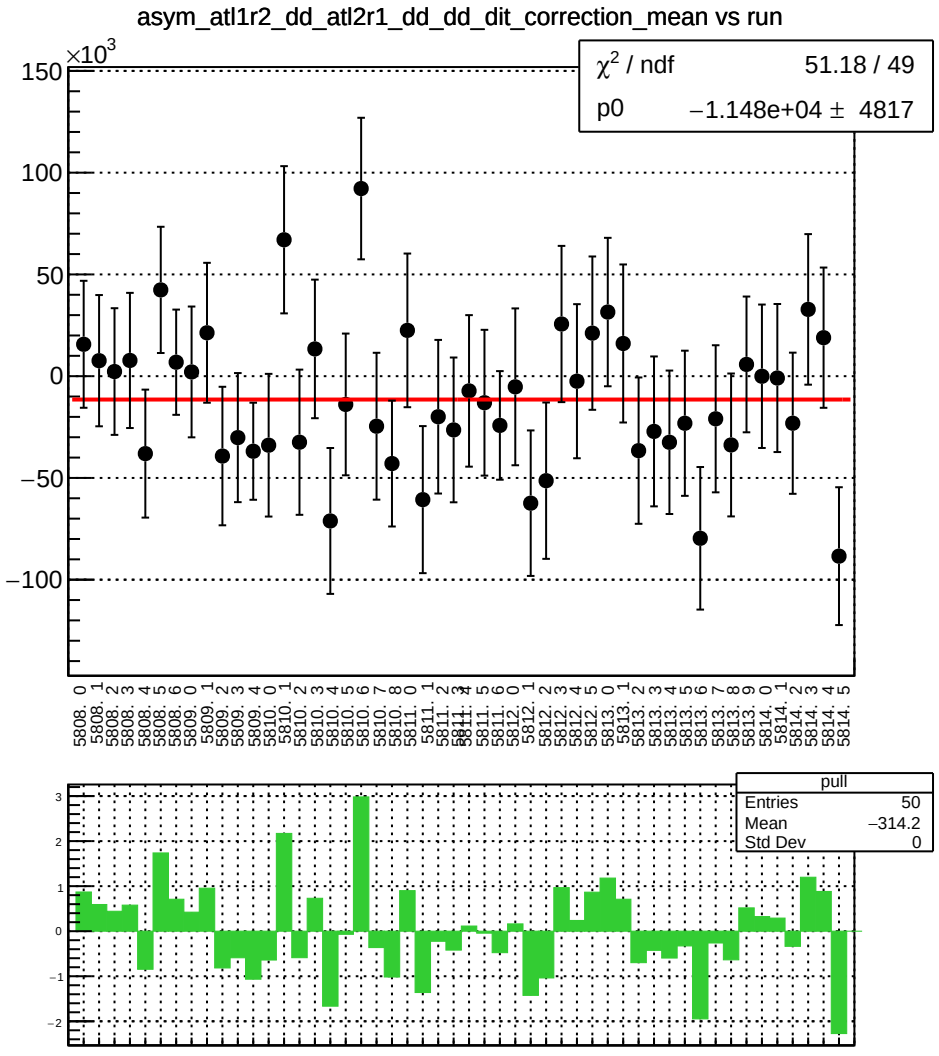
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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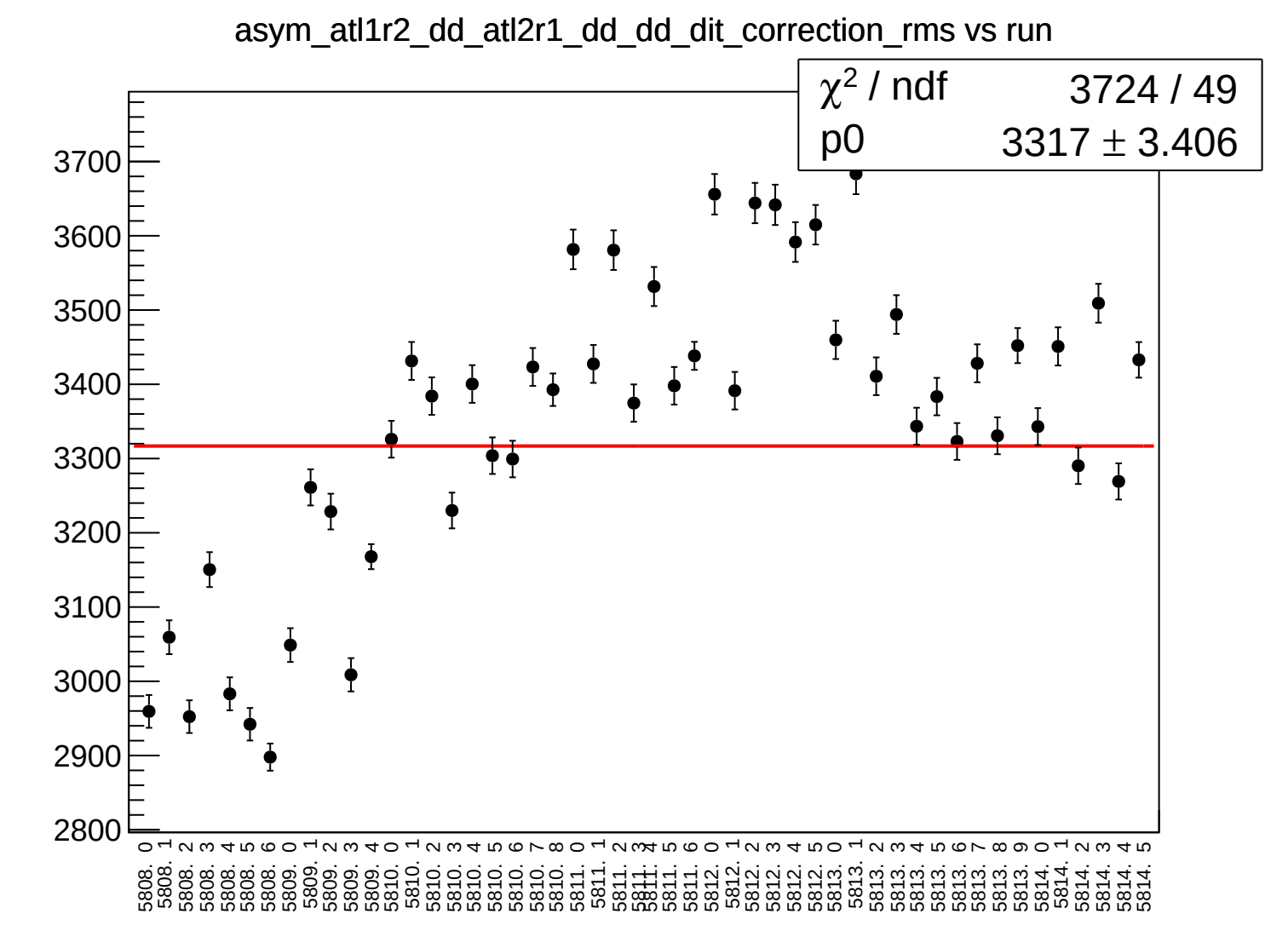
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −314.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007883
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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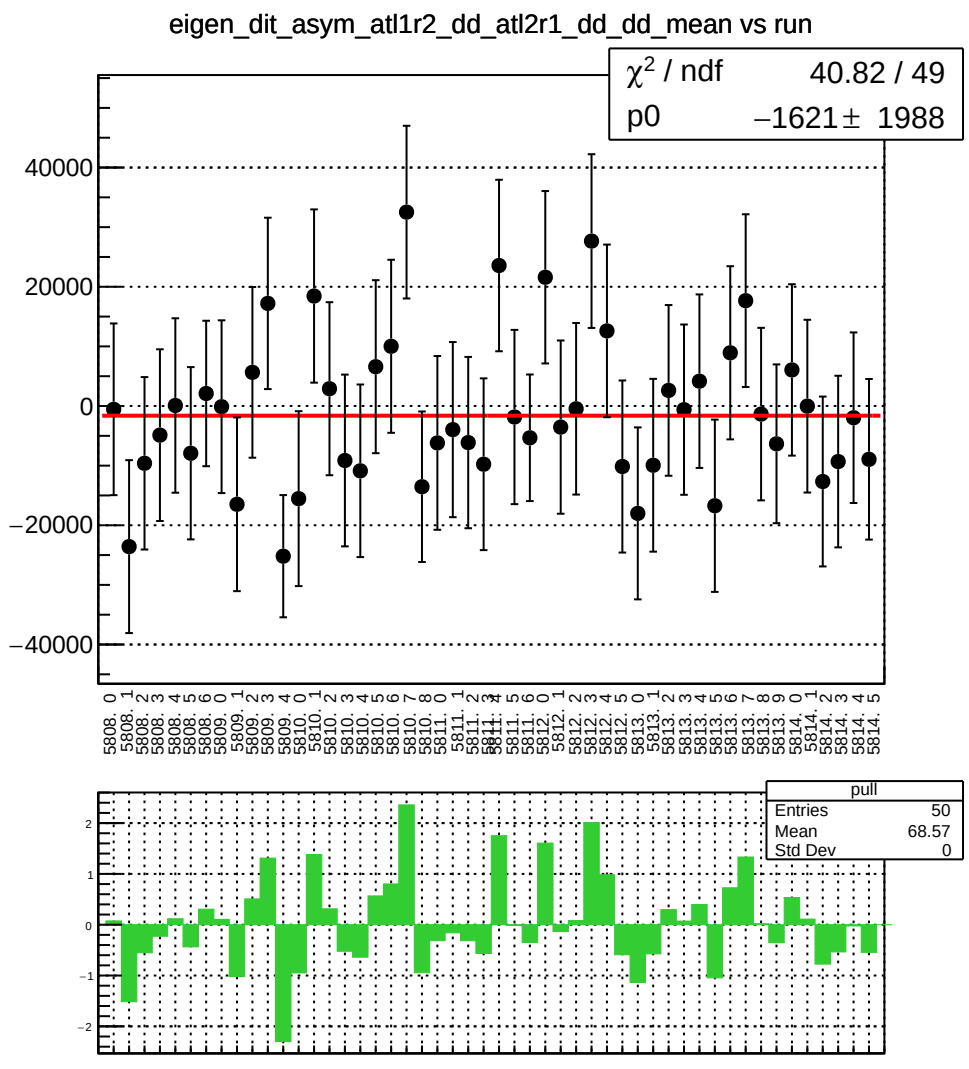
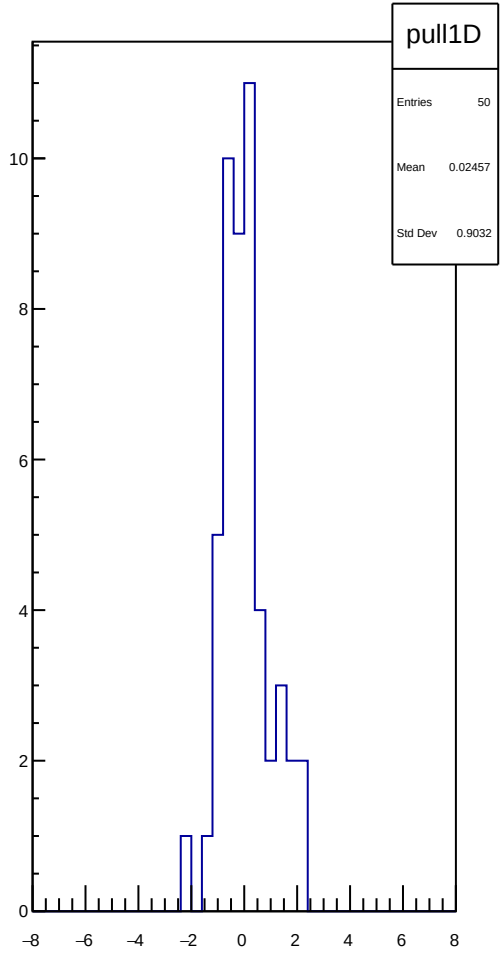
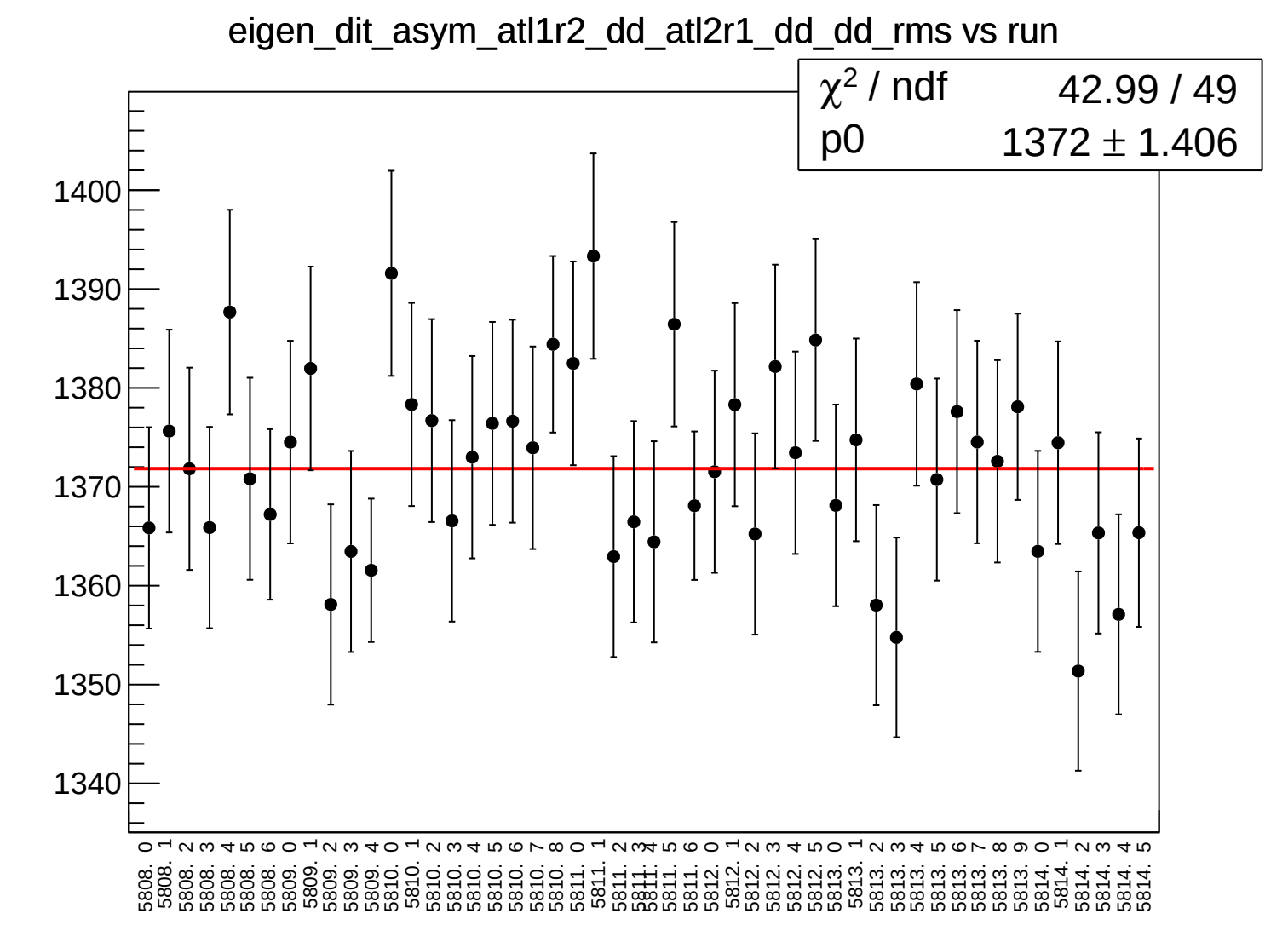
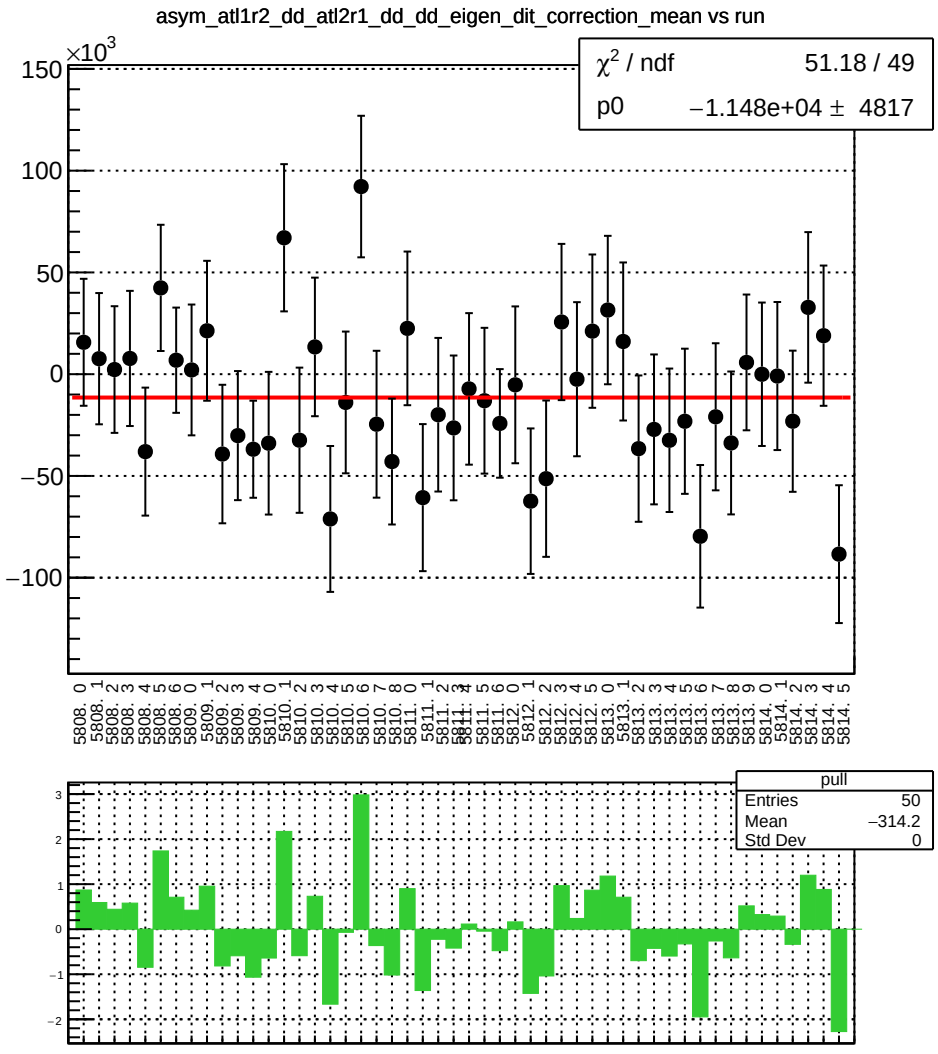
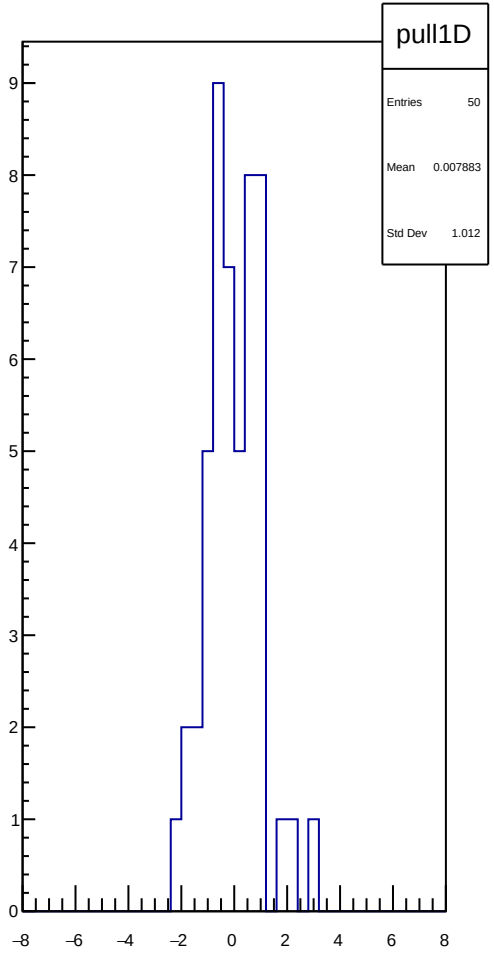
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

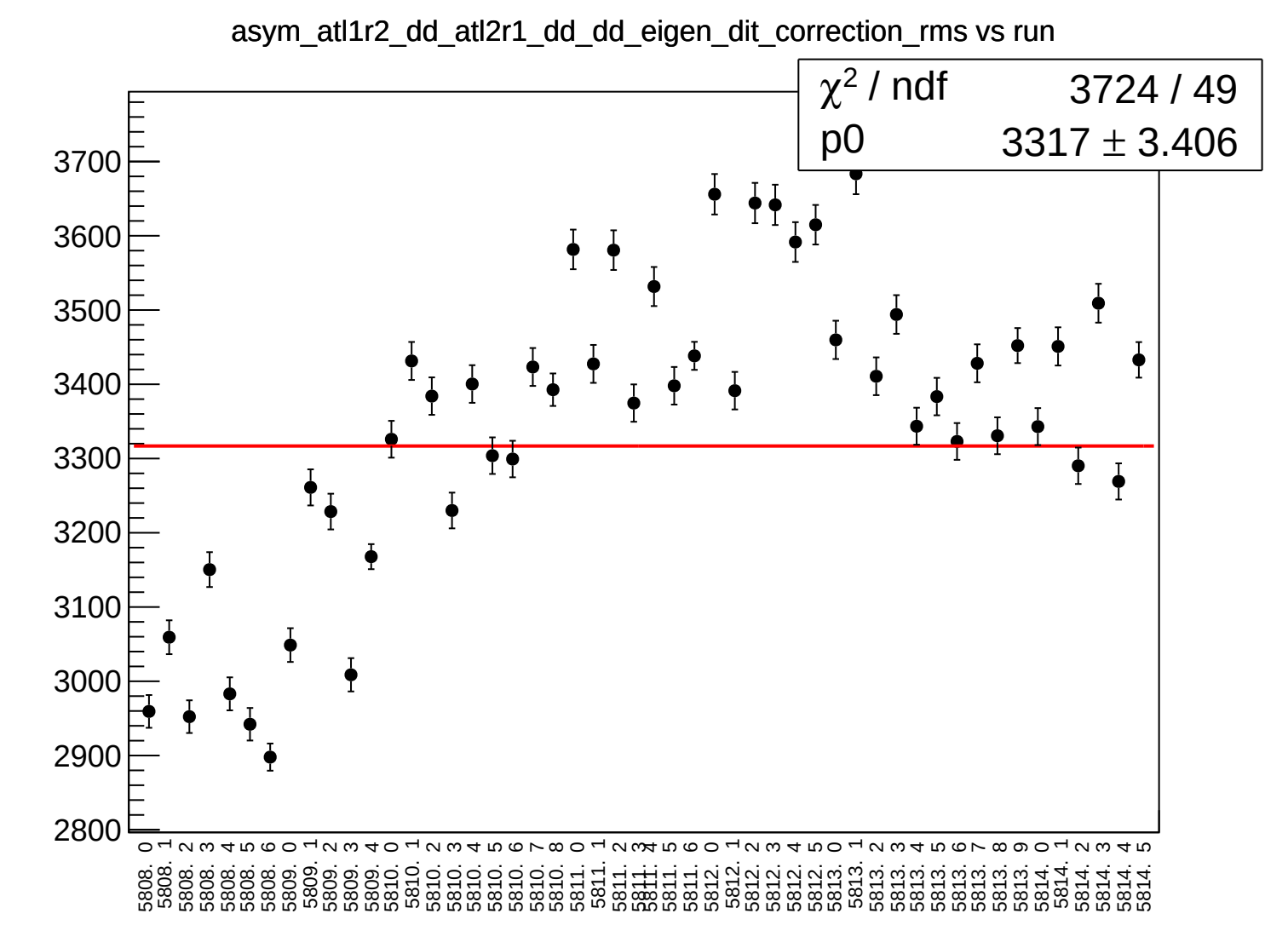

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 40.82 / 49
p0 −1621 ± 1988
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 68.57
Std Dev 0
2
1
0
−1
−2

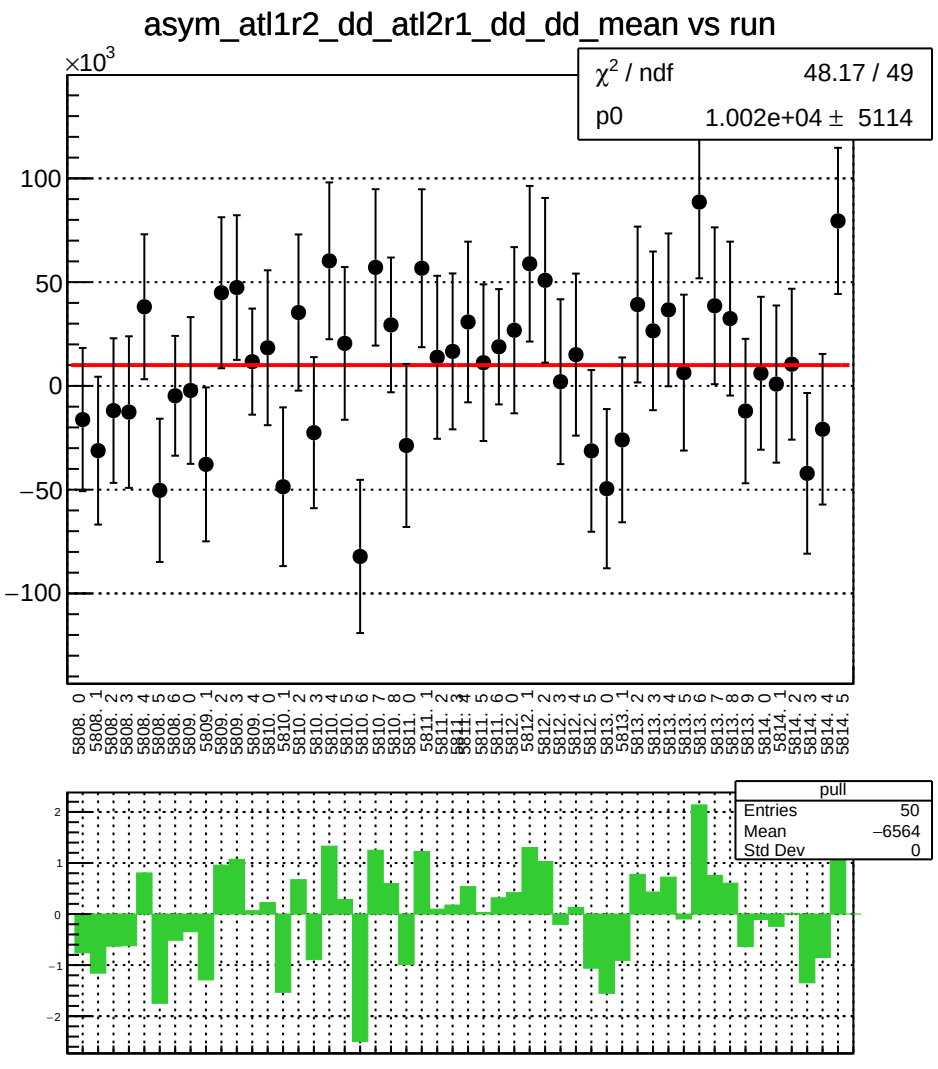

pull1D
Entries 50
Mean 0.02457
Std Dev 0.9032
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

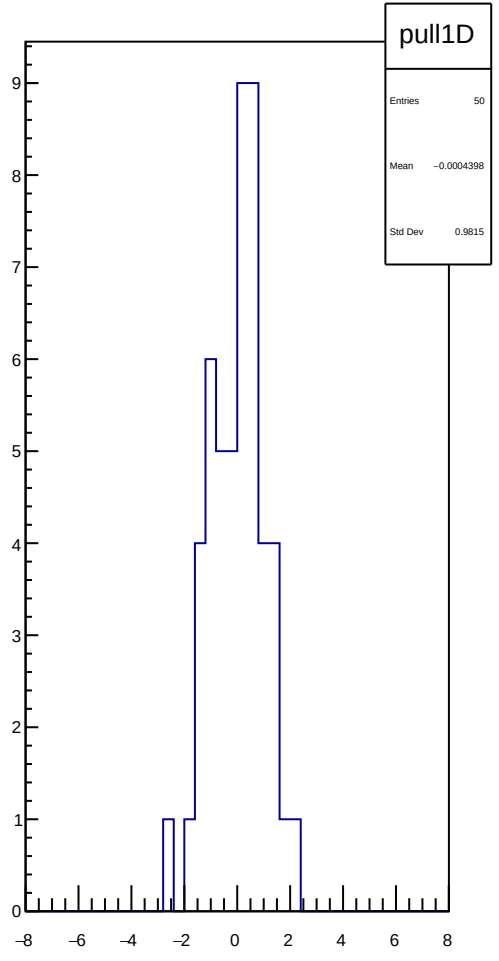

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 42.99 / 49
p0 1372 ± 1.406
1400
1390
1380
1370
1360
1350
1340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

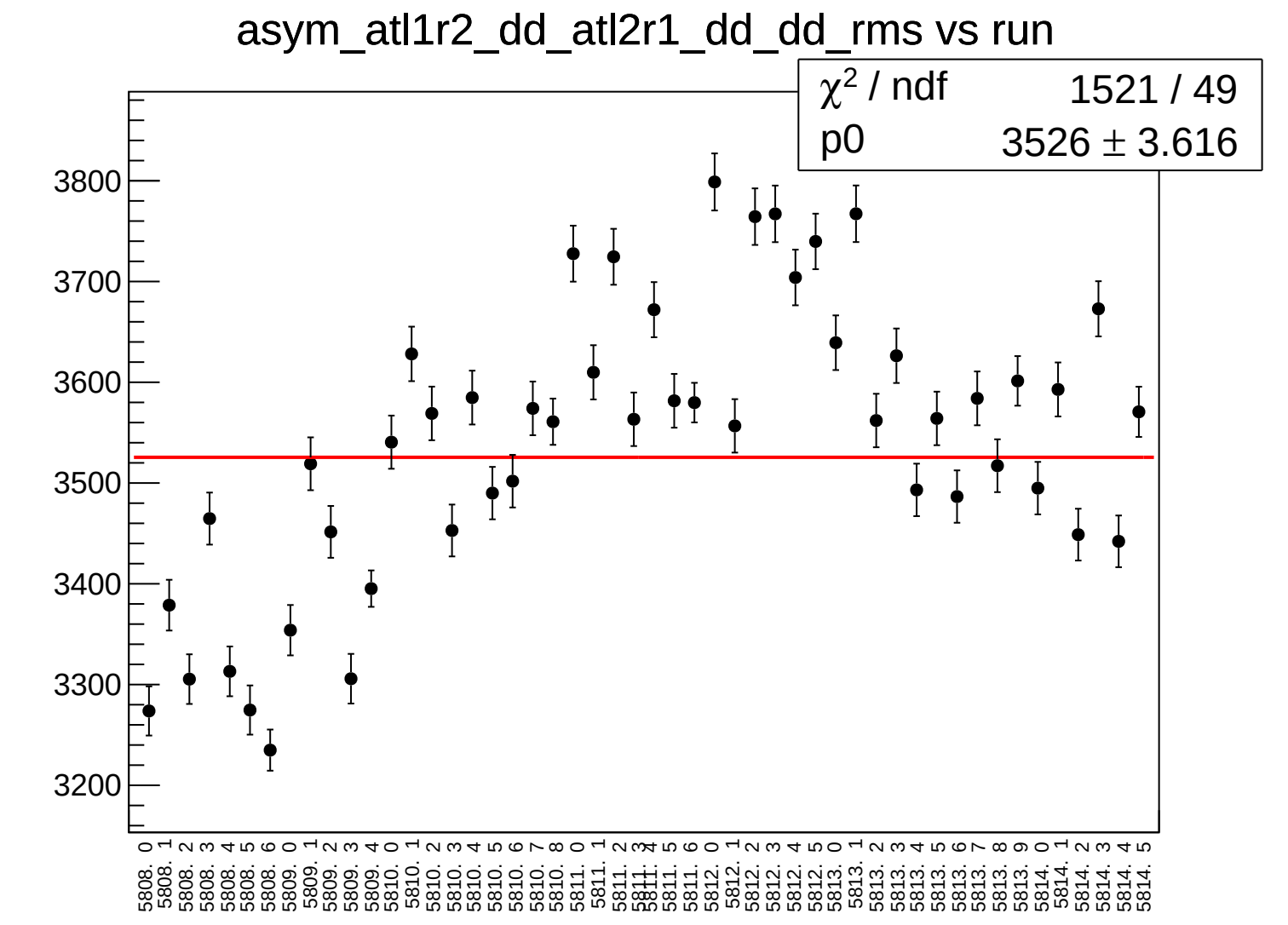

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.18 / 49
p0 −1.148e+04 ± 4817
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −314.2
Std Dev 0
3
2
1
0
−1
−2

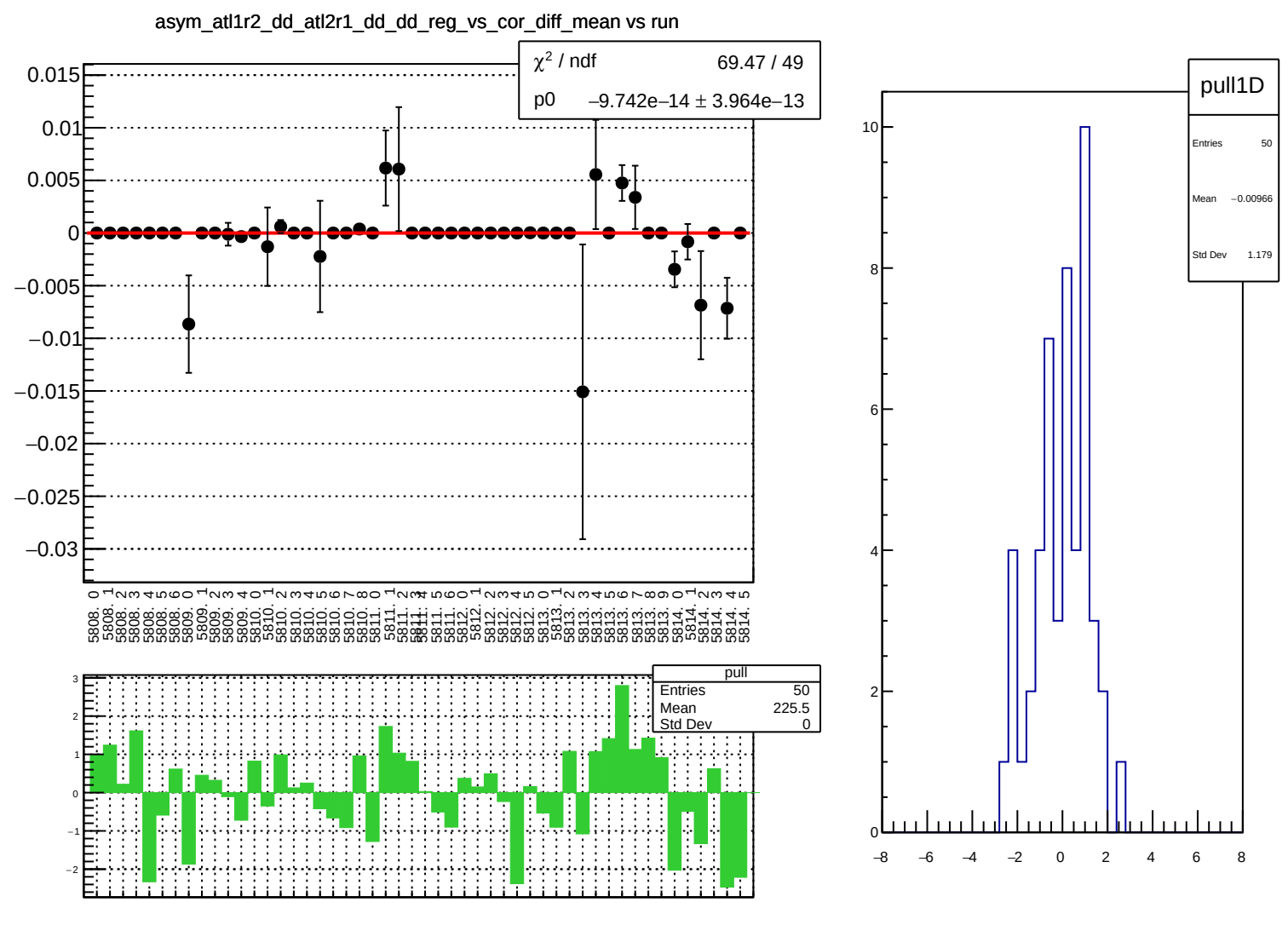

pull1D
Entries 50
Mean 0.007883
Std Dev 1.012
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

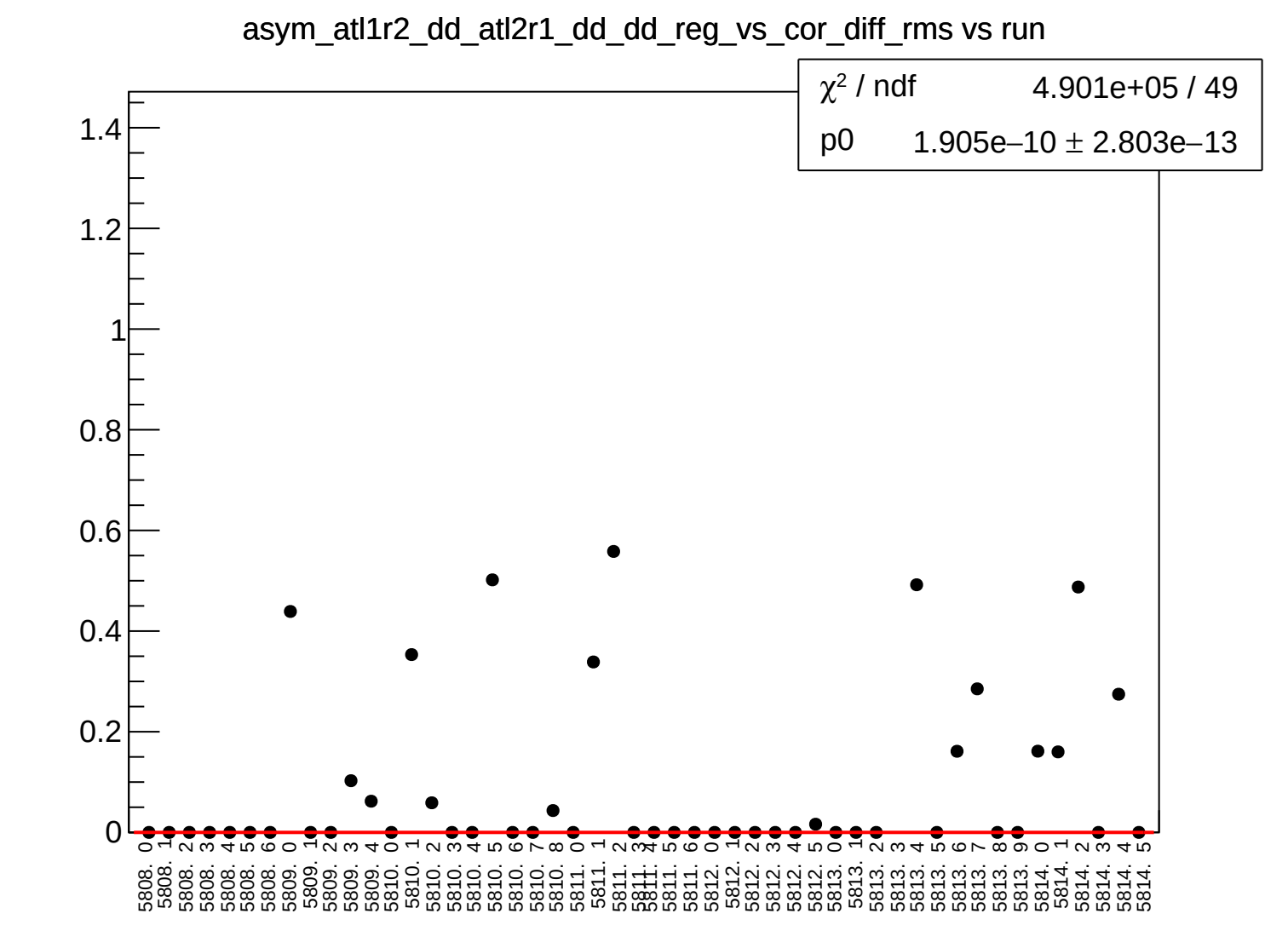

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3724 / 49
p0 3317 ± 3.406
3700
3600
3500
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 48.17 / 49
p0 1.002e+04 ± 5114
100
50
0
−50
−100
pull
Entries 50
Mean −6564
Std Dev 0

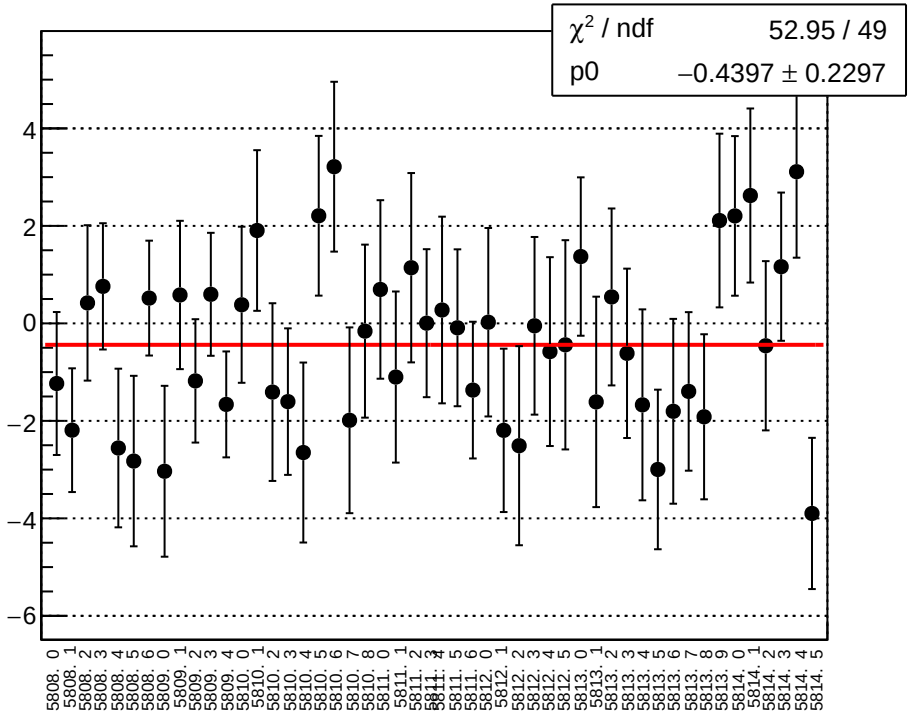

pull1D
Entries 50
Mean −0.0004398
Std Dev 0.9815

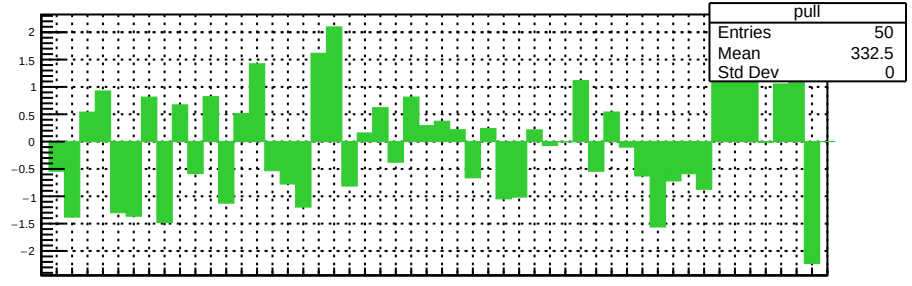

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 1521 / 49
p0 3526 ± 3.616
3800
3700
3600
3500
3400
3300
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

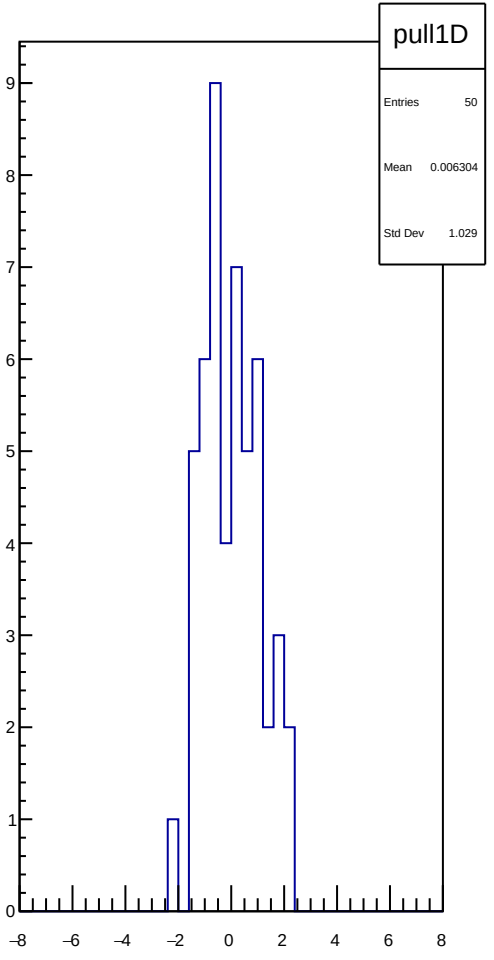

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 69.47 / 49
p0 −9.742e−14 ± 3.964e−13
pull
Entries 50
Mean 225.5
Std Dev 0
pull1D
Entries 50
Mean −0.00966
Std Dev 1.179

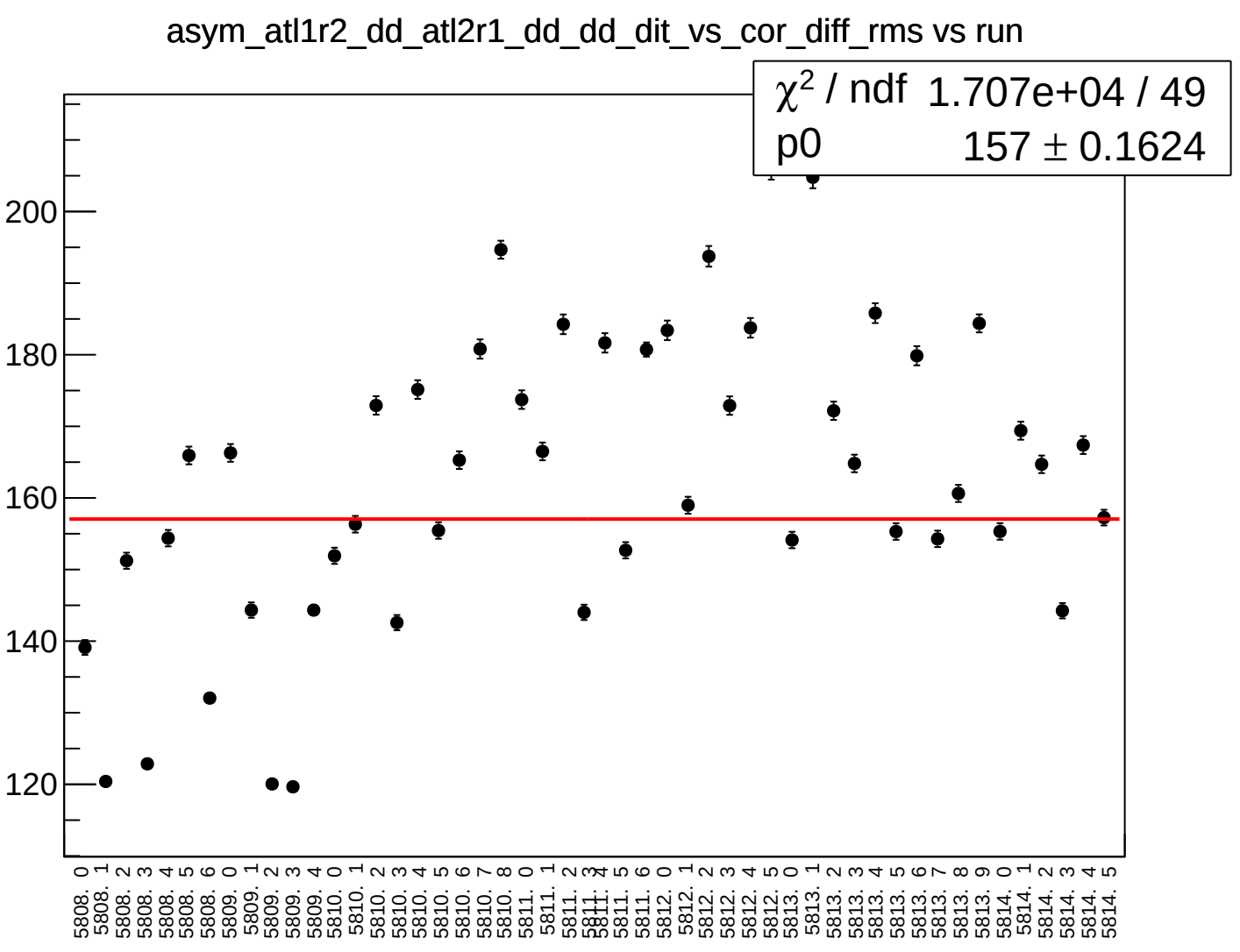

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.901e+05 / 49
p0 1.905e−10 ± 2.803e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

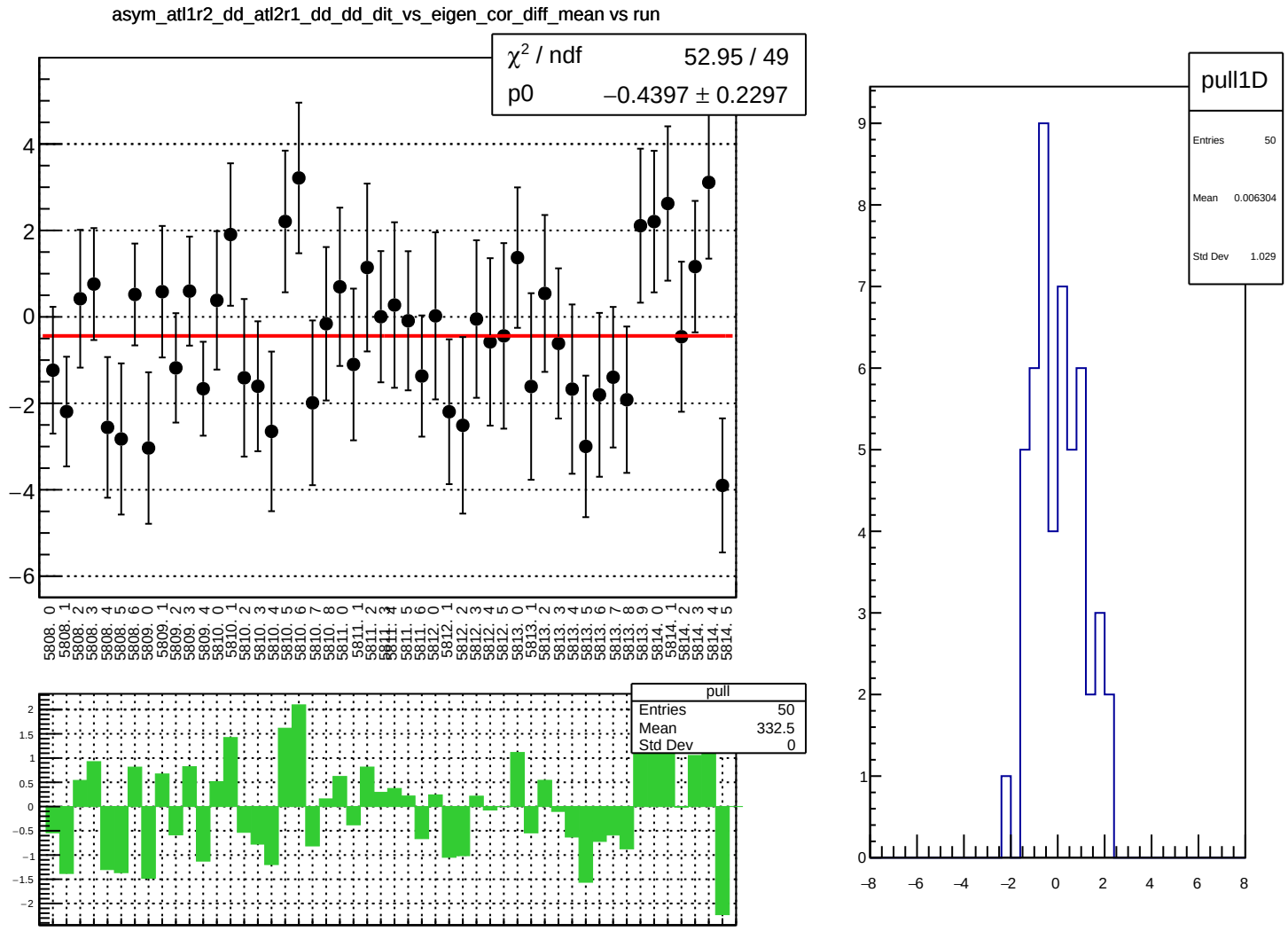
asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run

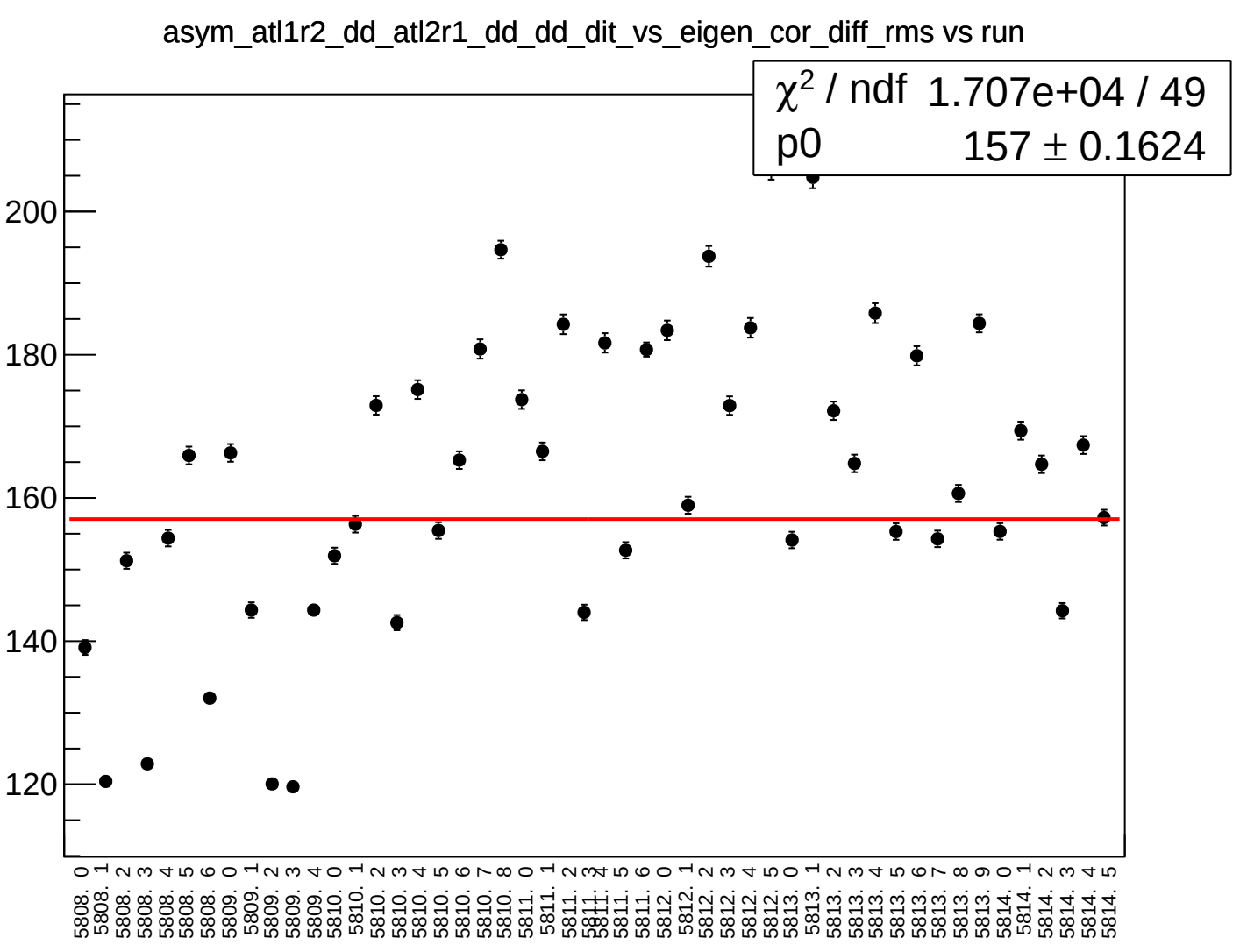







asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.5
Std Dev 0
pull1D
Entries 50
Mean 0.006304
Std Dev 1.029


asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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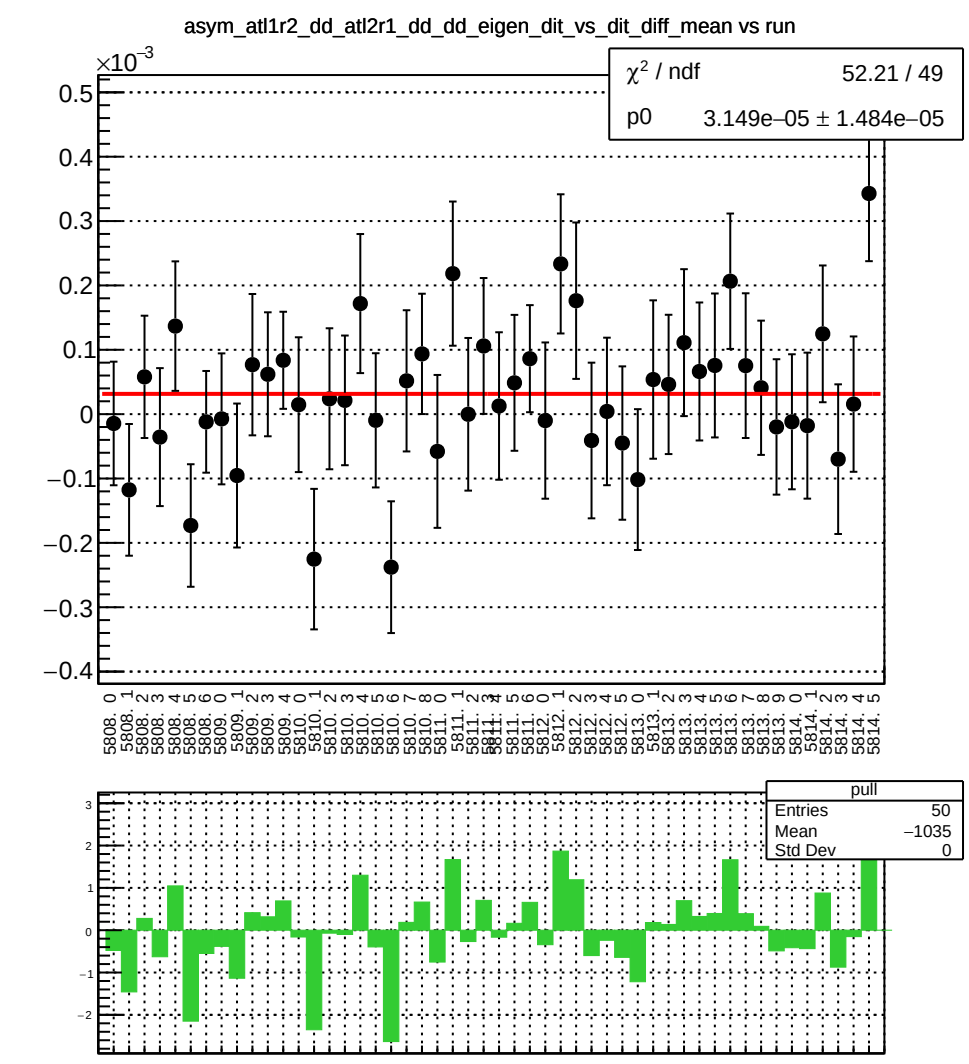
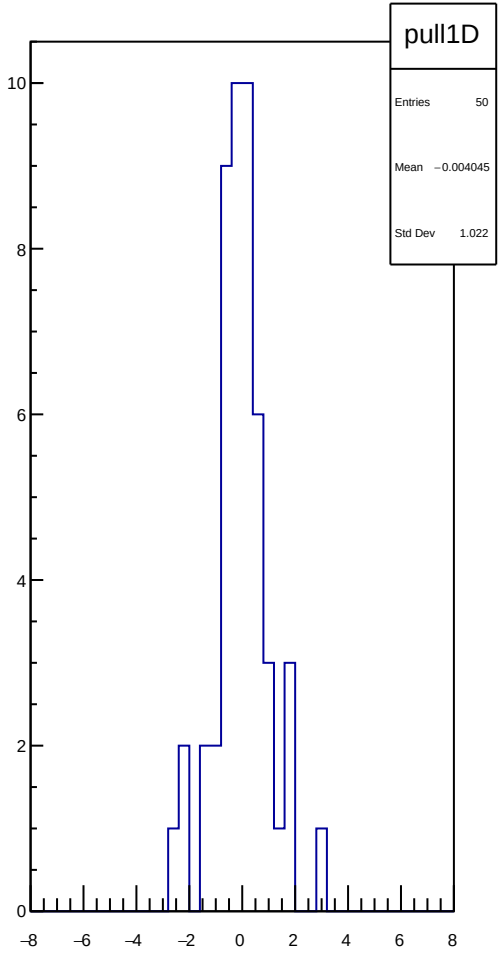
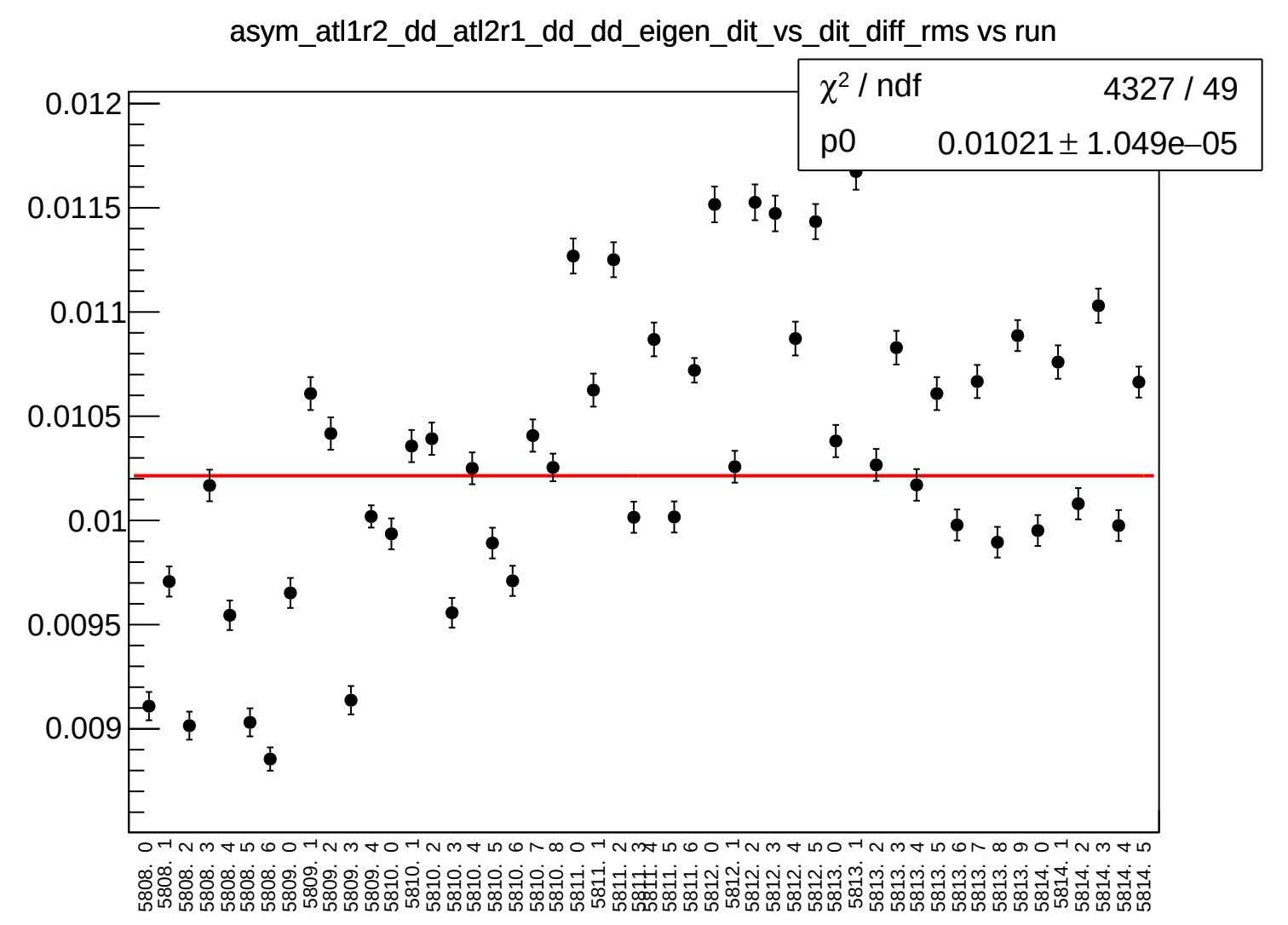
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.21 / 49
p0 3.149e−05 ± 1.484e−05
pull
Entries 50
Mean −1035
Std Dev 0


pull1D
Entries 50
Mean −0.004045
Std Dev 1.022


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4327 / 49
p0 0.01021 ± 1.049e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
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5813. 4
5813. 5
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5813. 9
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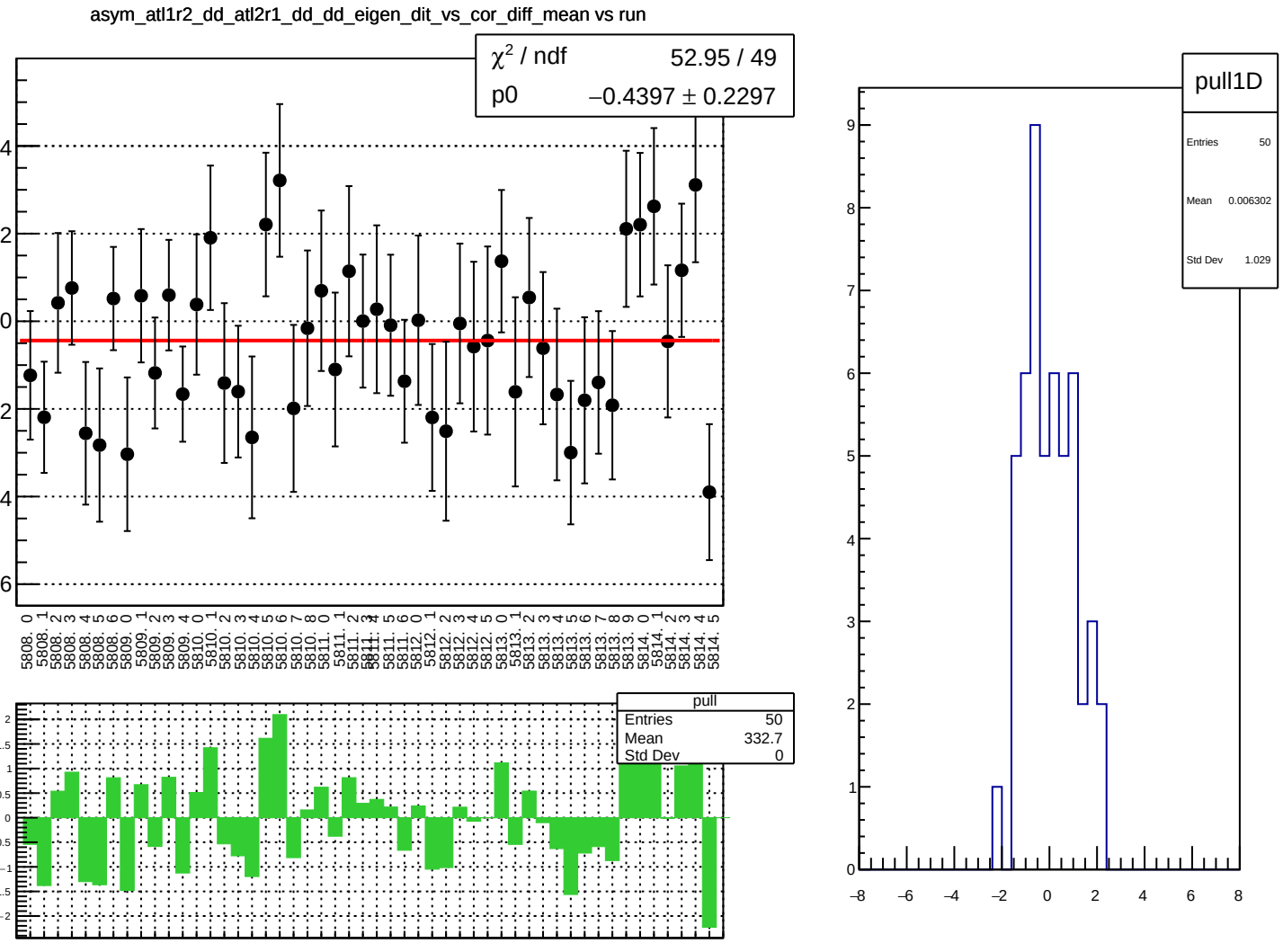
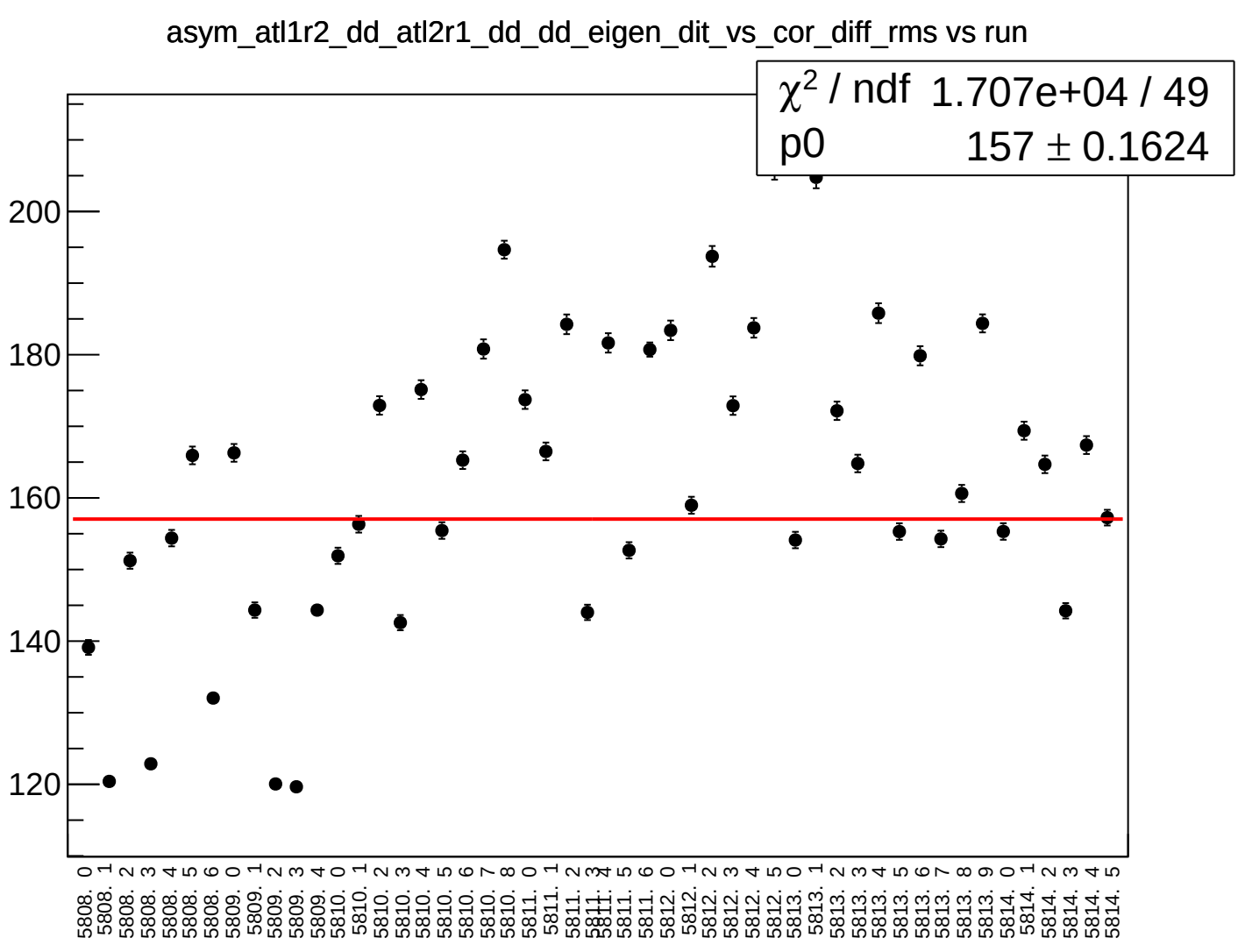
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.7
Std Dev 0
pull1D
Entries 50
Mean 0.006302
Std Dev 1.029


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
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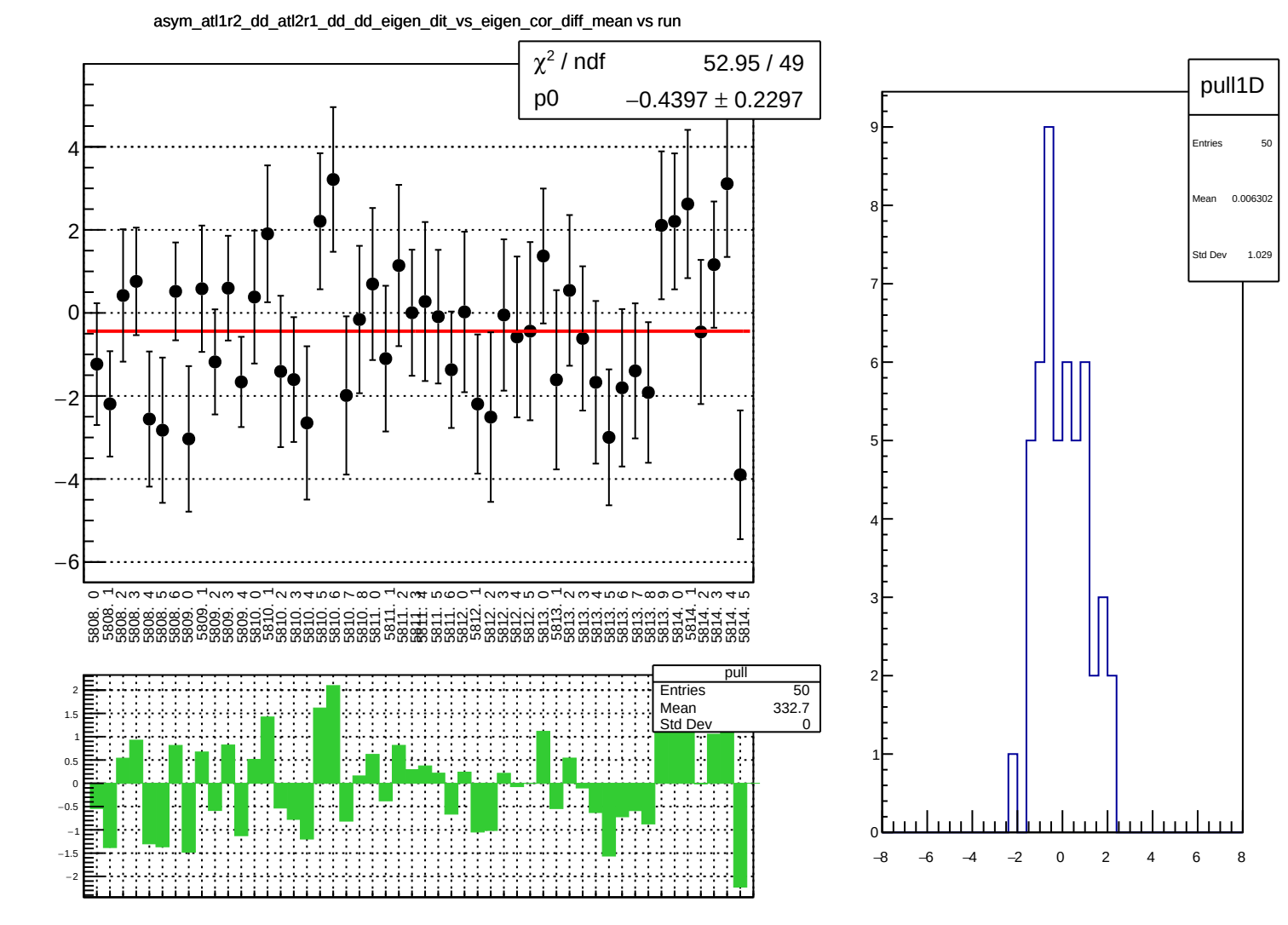
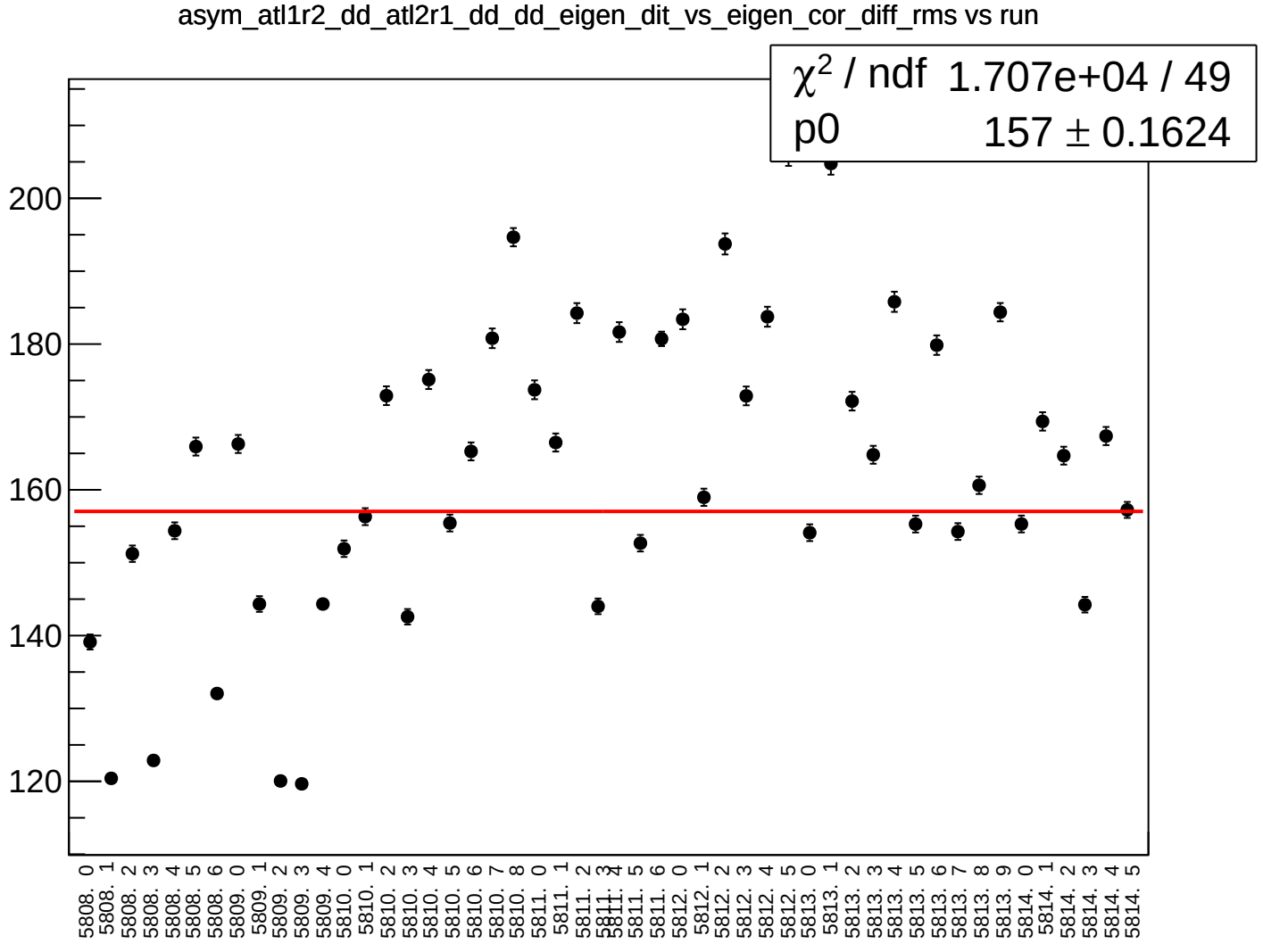
5814. 5


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.95 / 49
p0 −0.4397 ± 0.2297
pull
Entries 50
Mean 332.7
Std Dev 0
pull1D
Entries 50
Mean 0.006302
Std Dev 1.029


asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.707e+04 / 49
p0 157 ± 0.1624
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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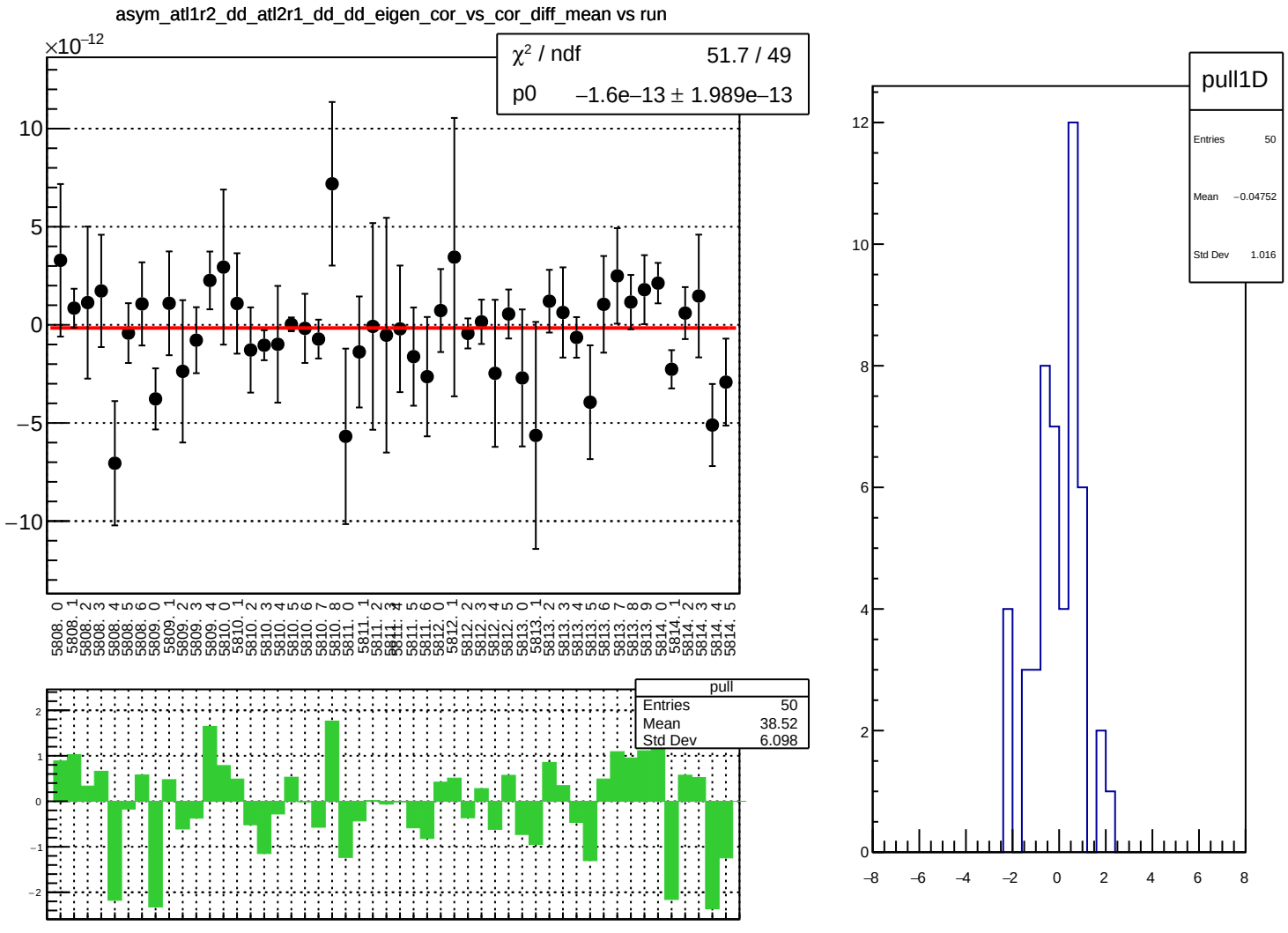
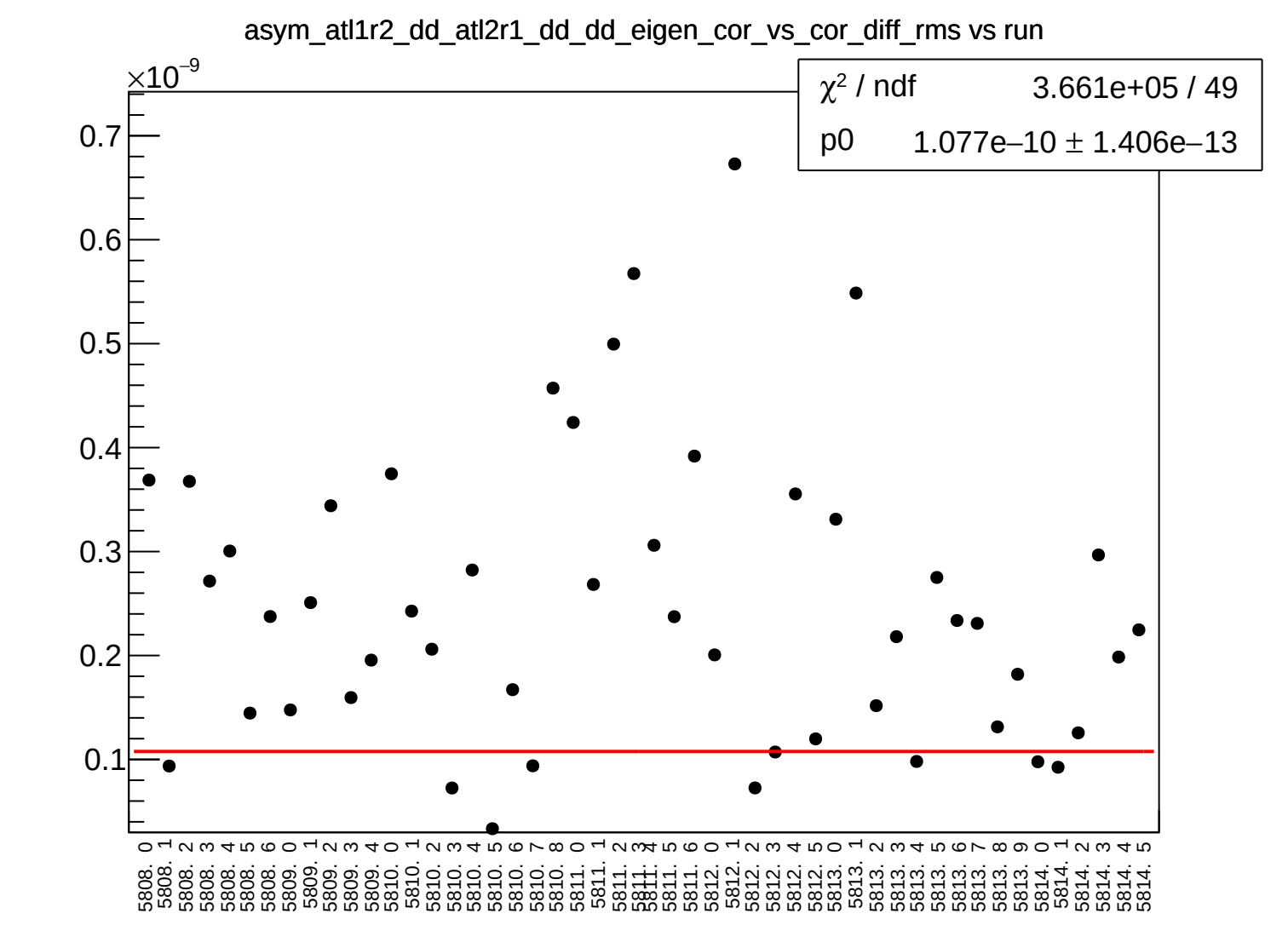
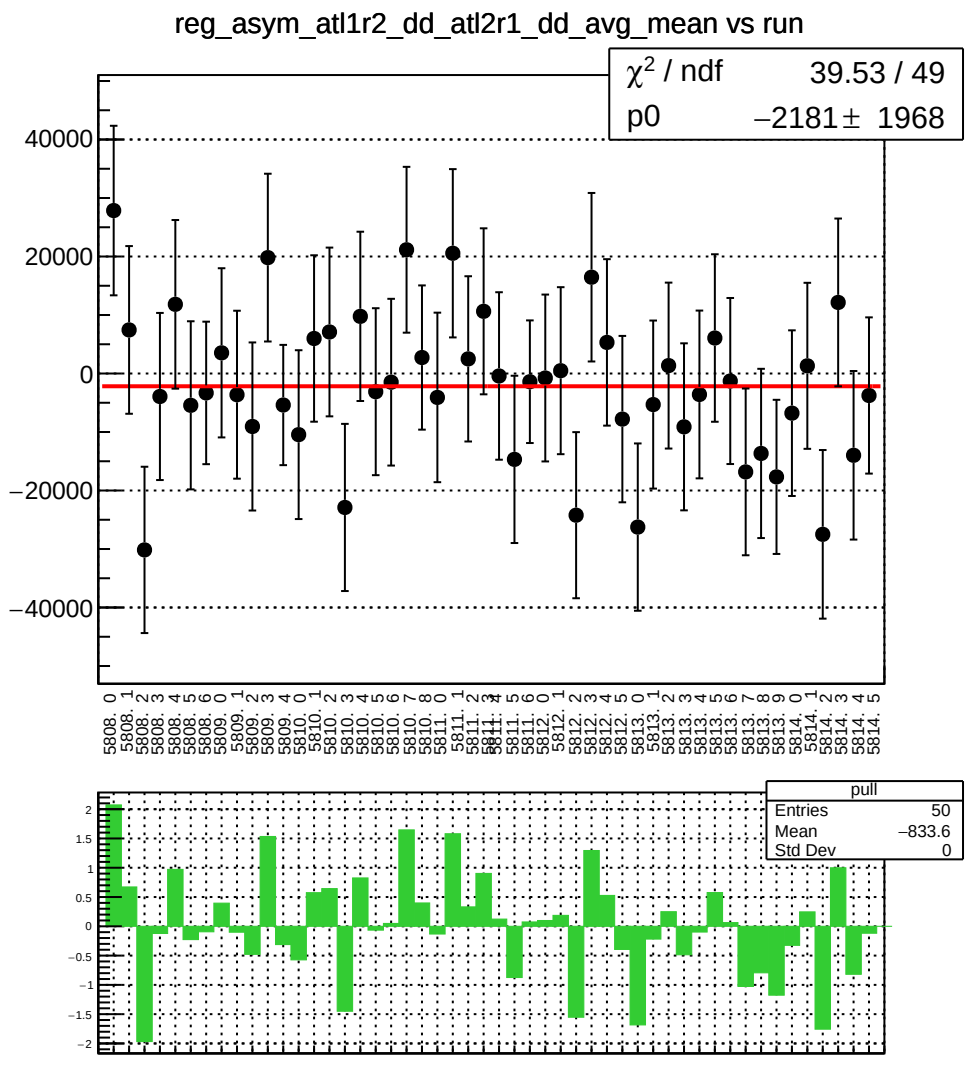
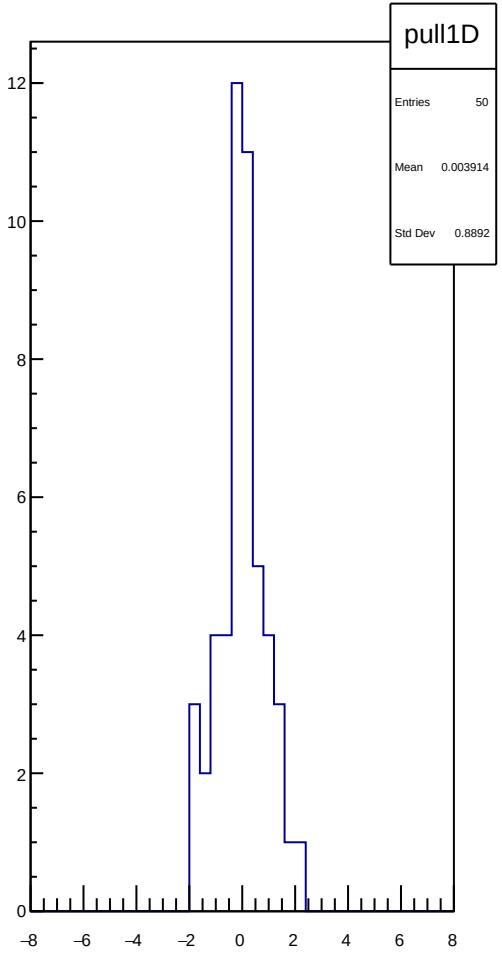
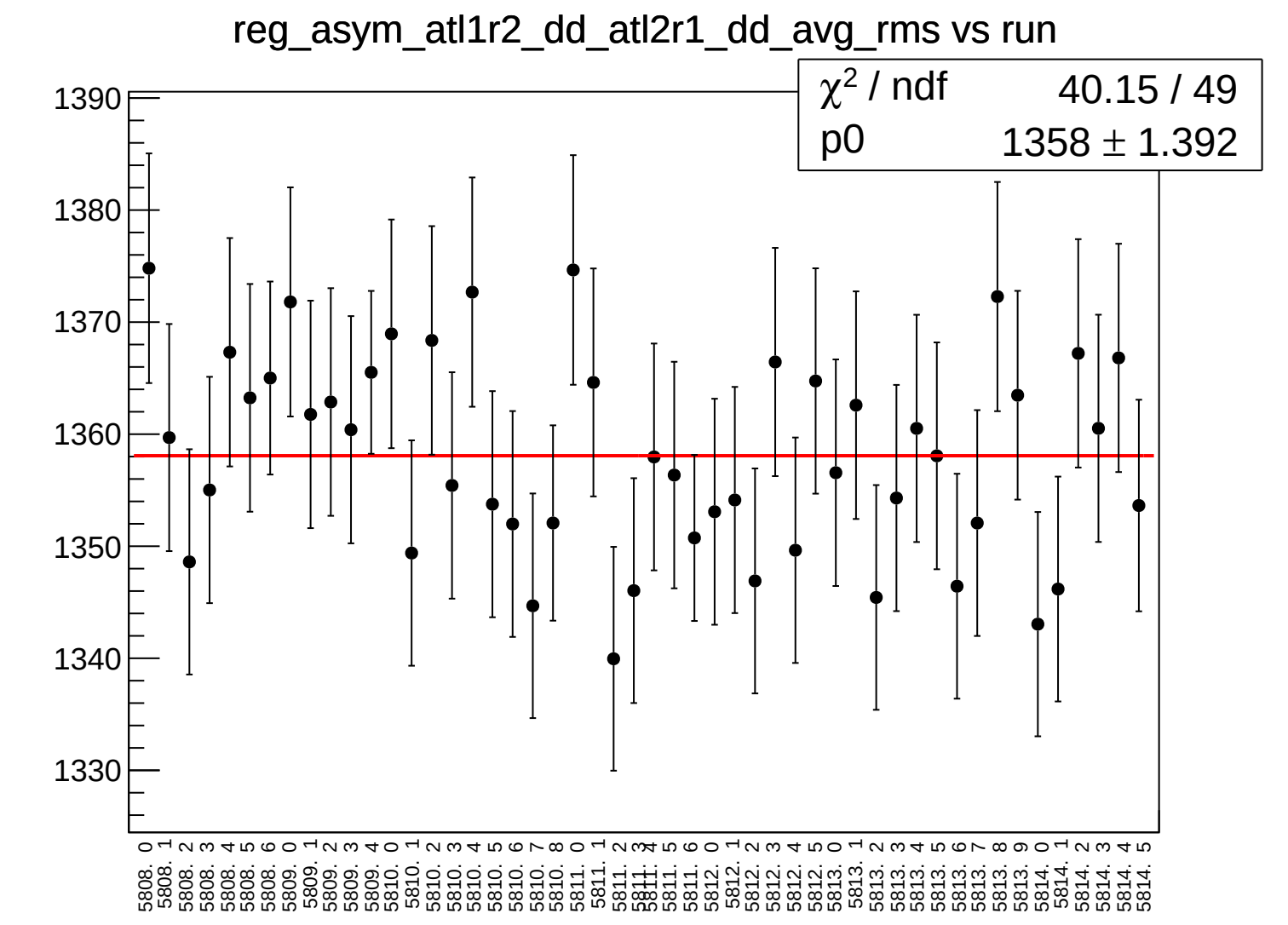
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

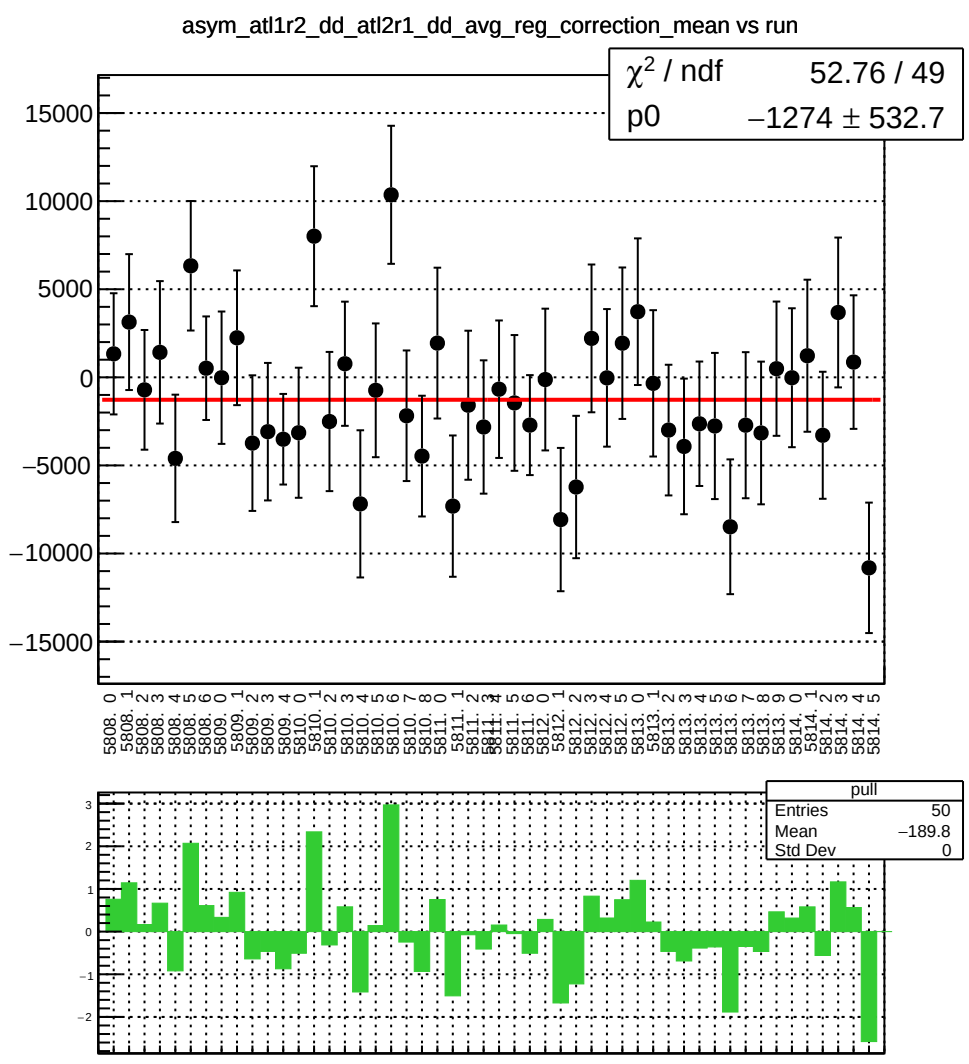

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.7 / 49
p0 −1.6e−13 ± 1.989e−13
pull
Entries 50
Mean 38.52
Std Dev 6.098
pull1D
Entries 50
Mean −0.04752
Std Dev 1.016

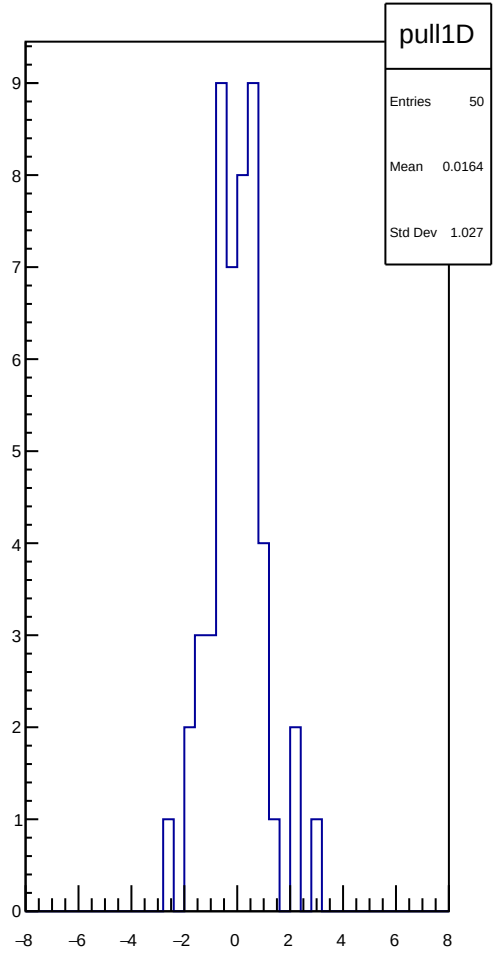

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.661e+05 / 49
p0 1.077e−10 ± 1.406e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

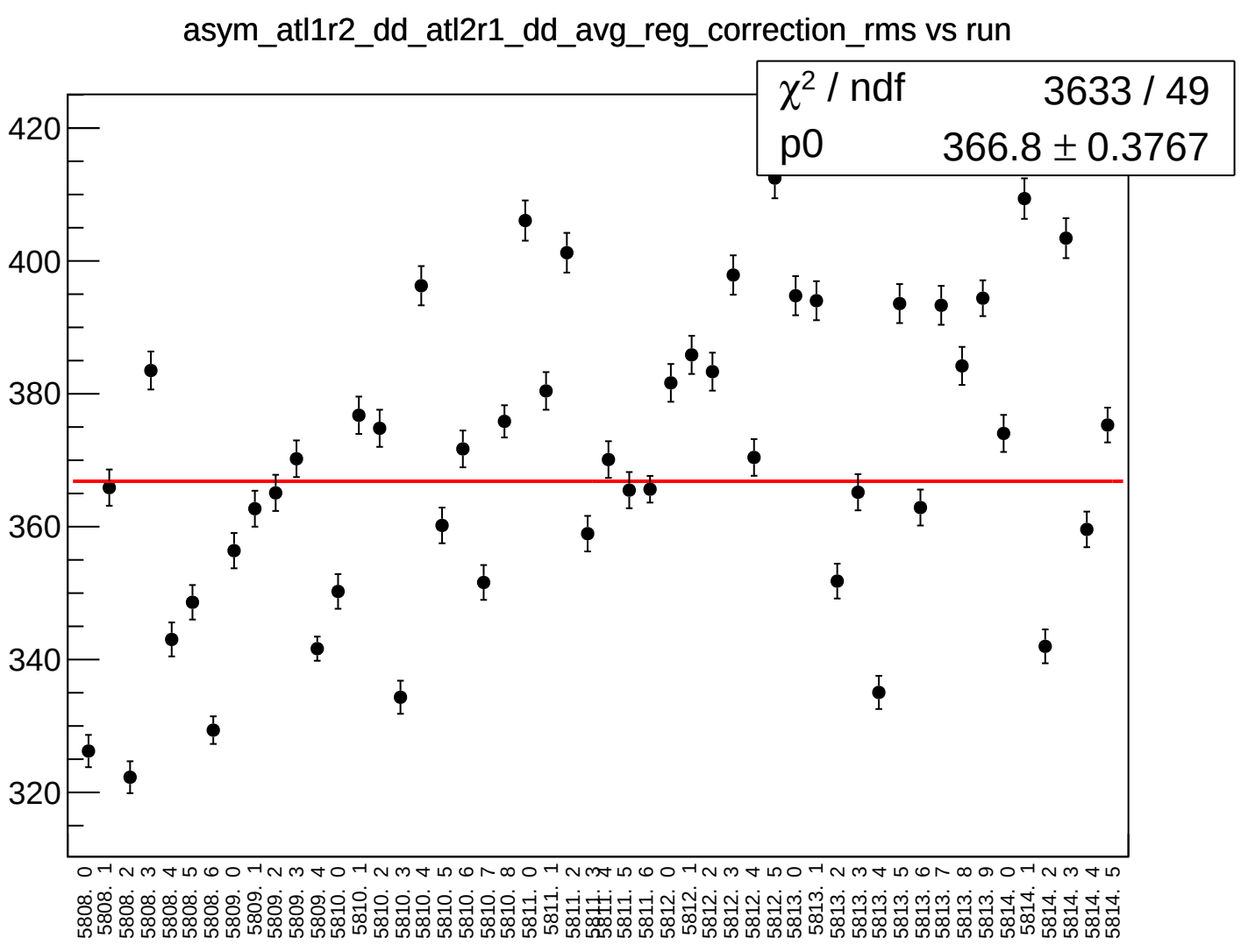

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0

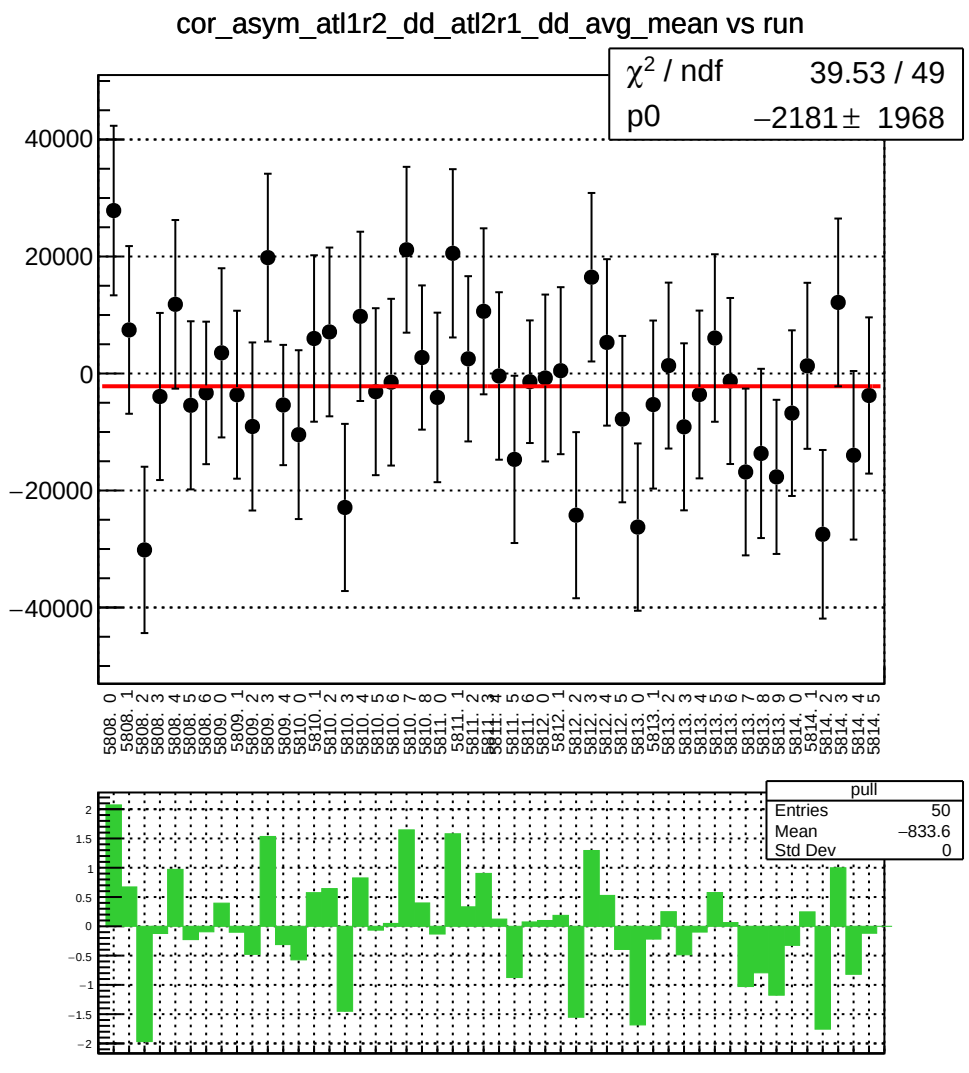

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8892

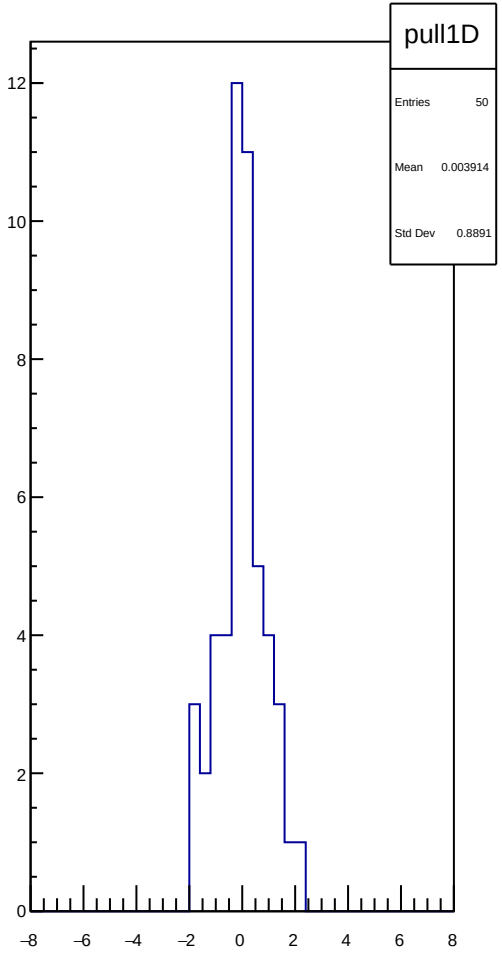

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

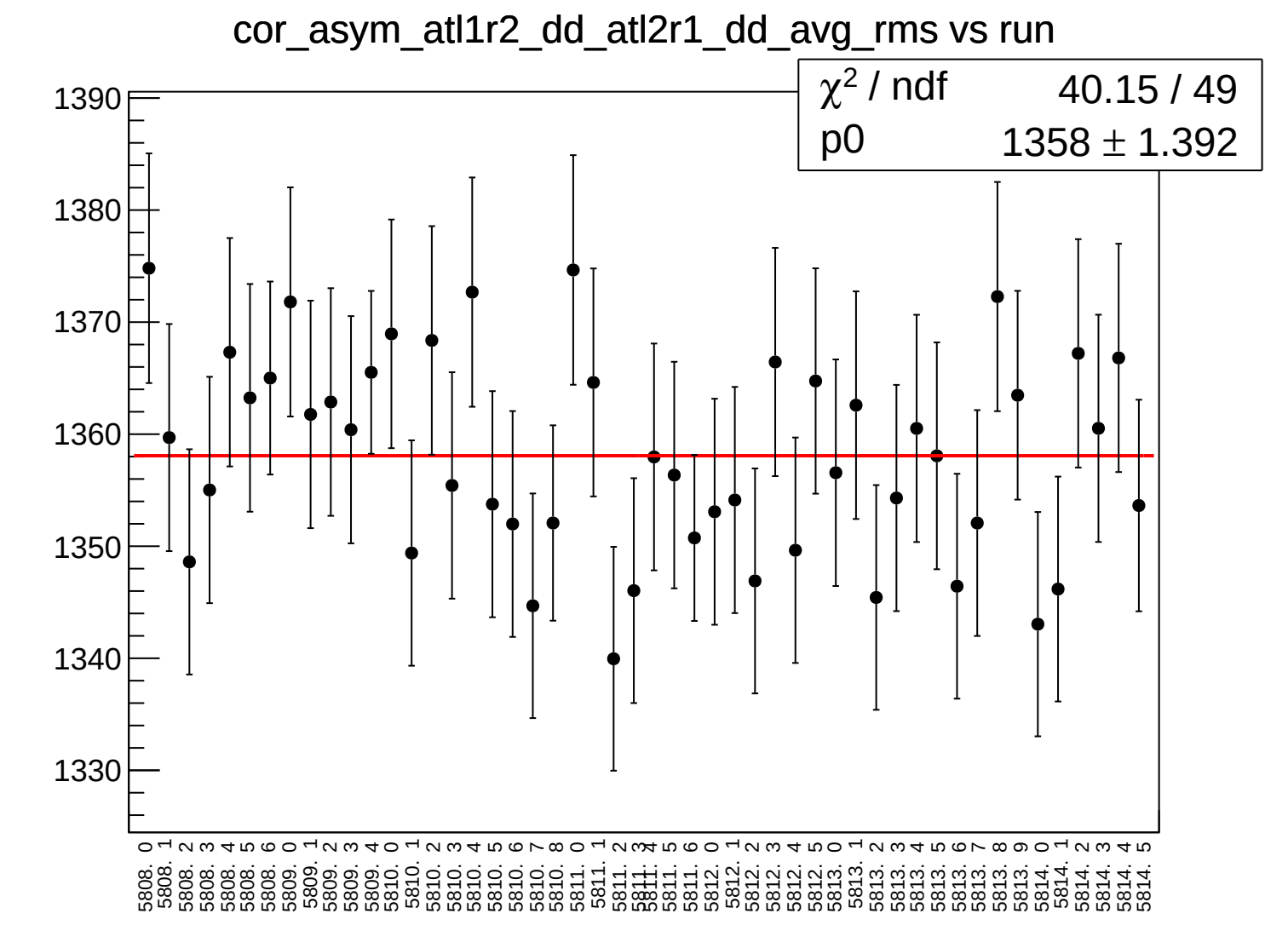

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −189.8
Std Dev 0
3
2
1
0
−1
−2

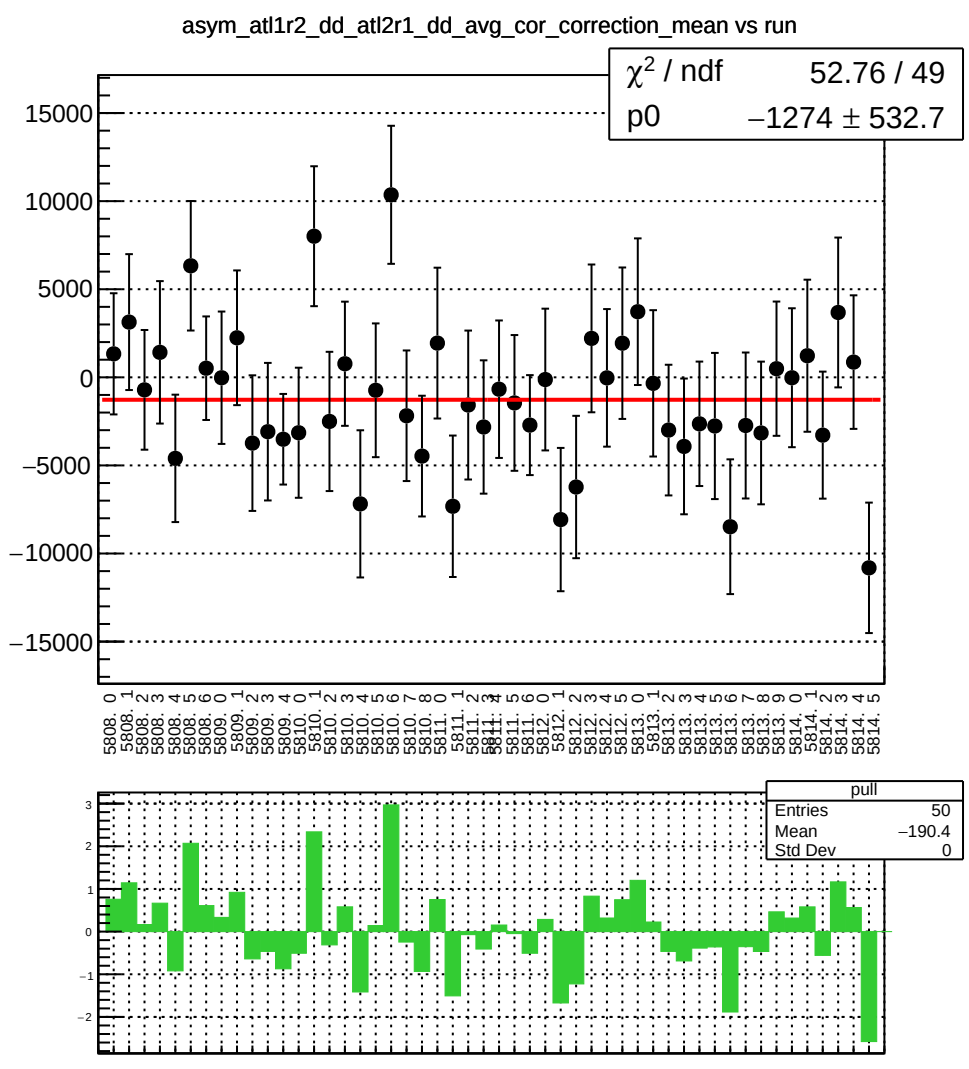

pull1D
Entries 50
Mean 0.0164
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

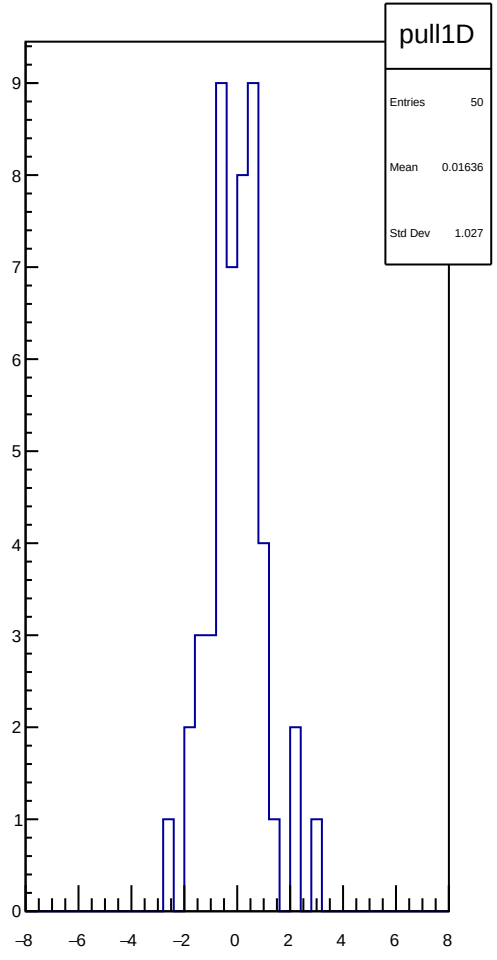

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 3633 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

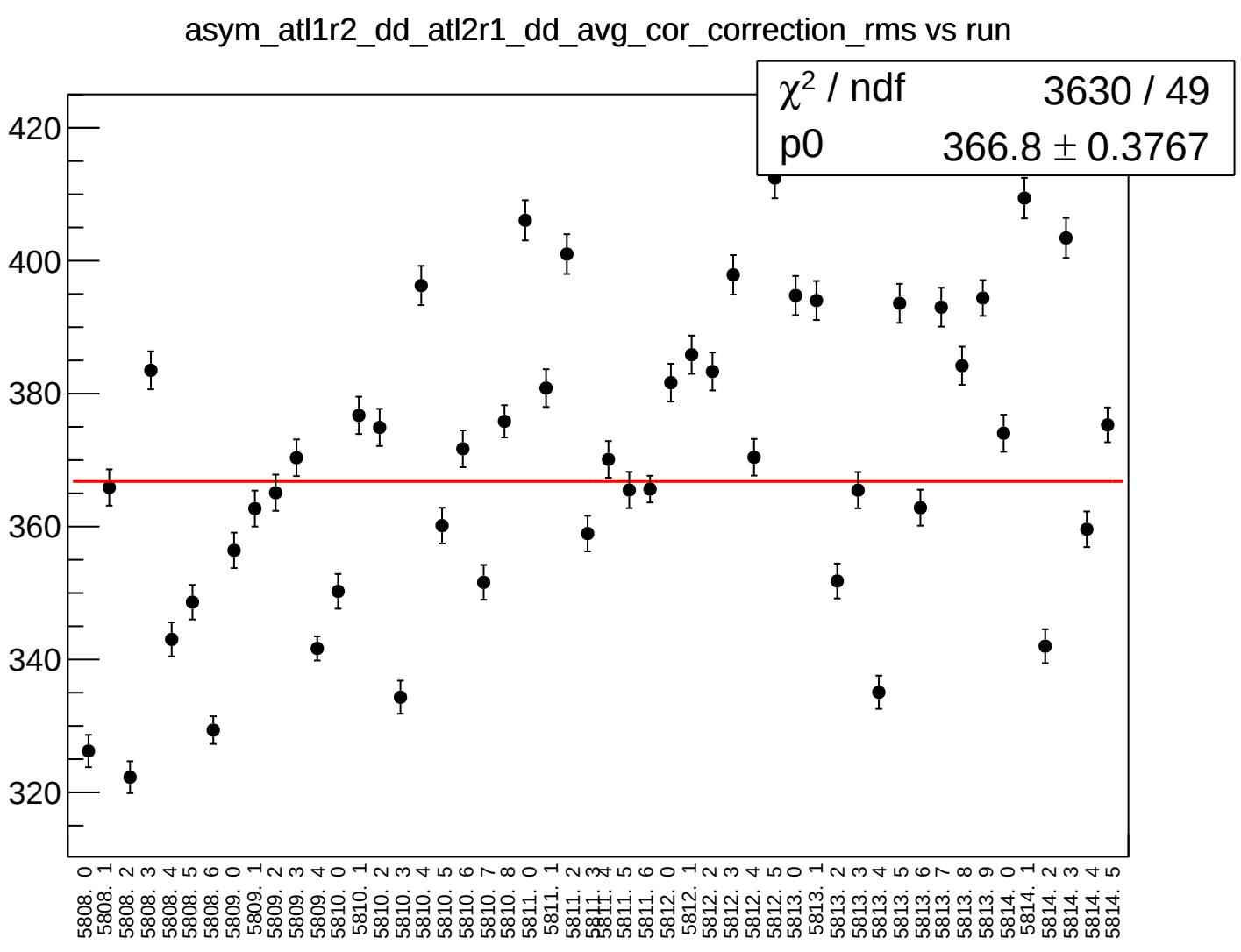

cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0

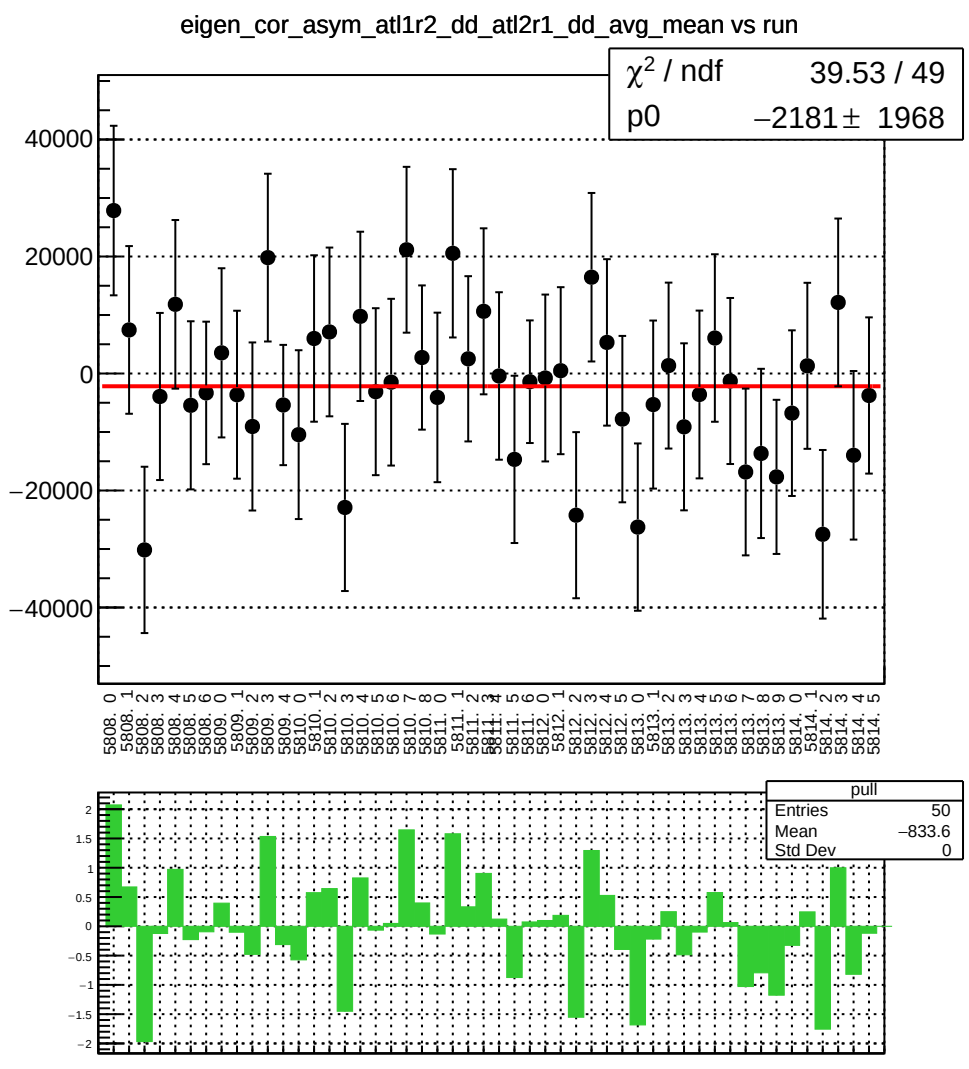

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8891

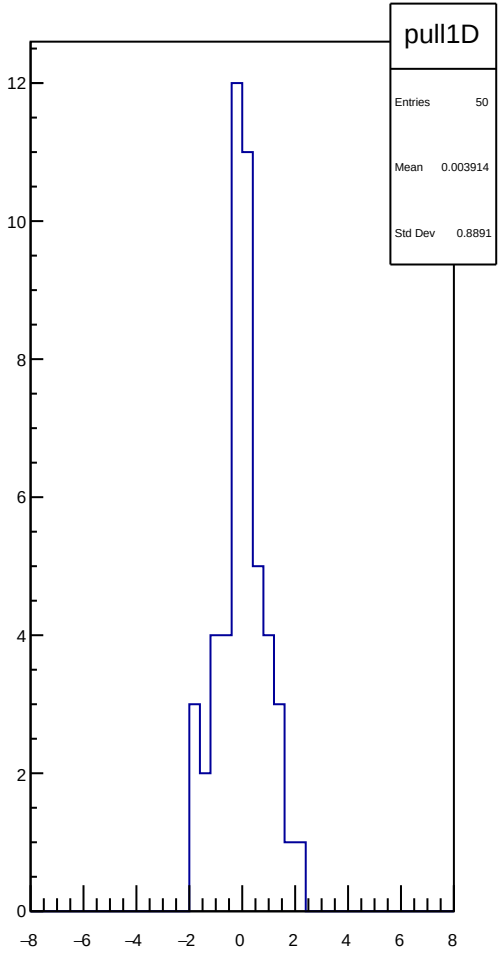

cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

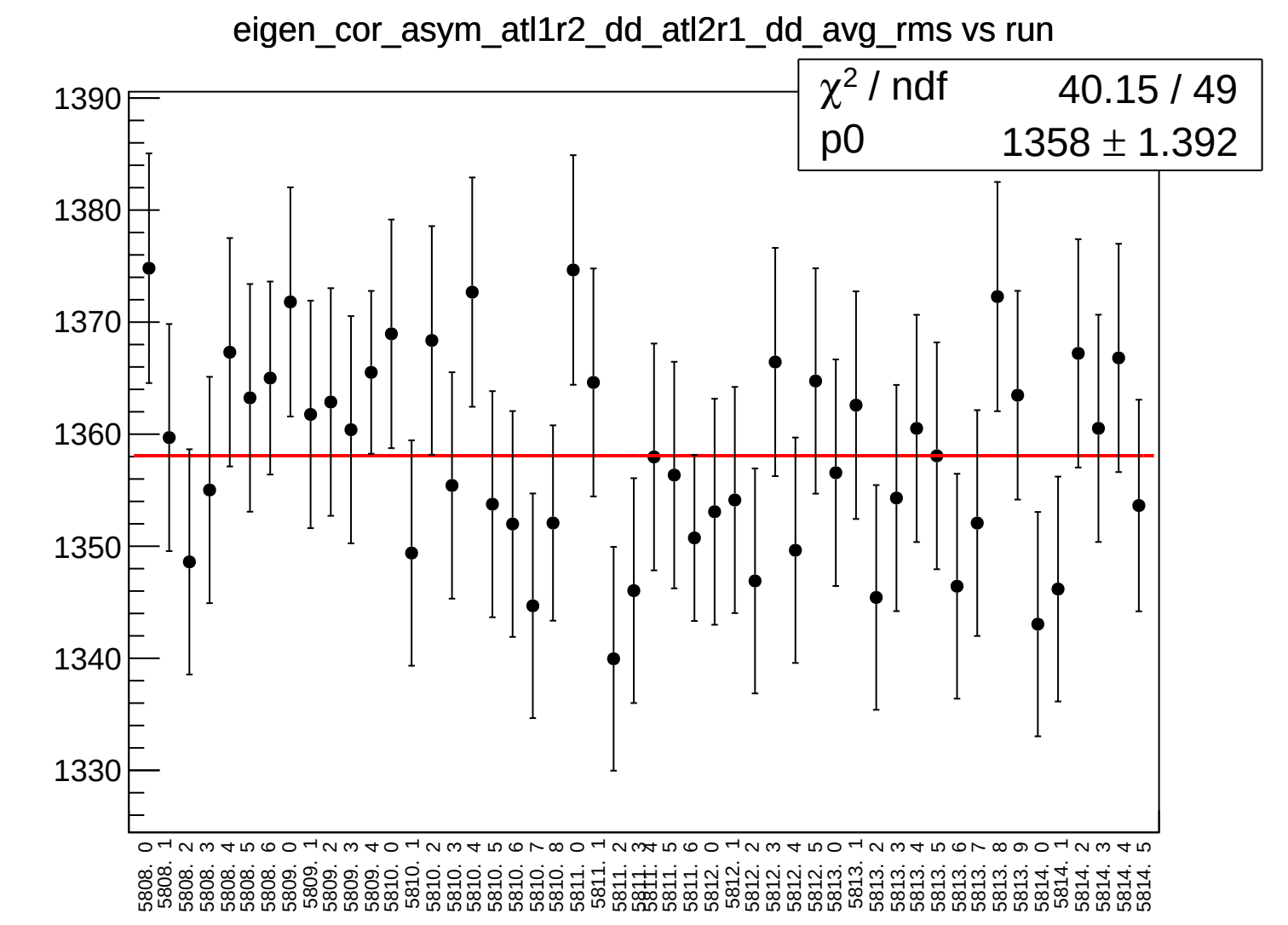

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −190.4
Std Dev 0
3
2
1
0
−1
−2

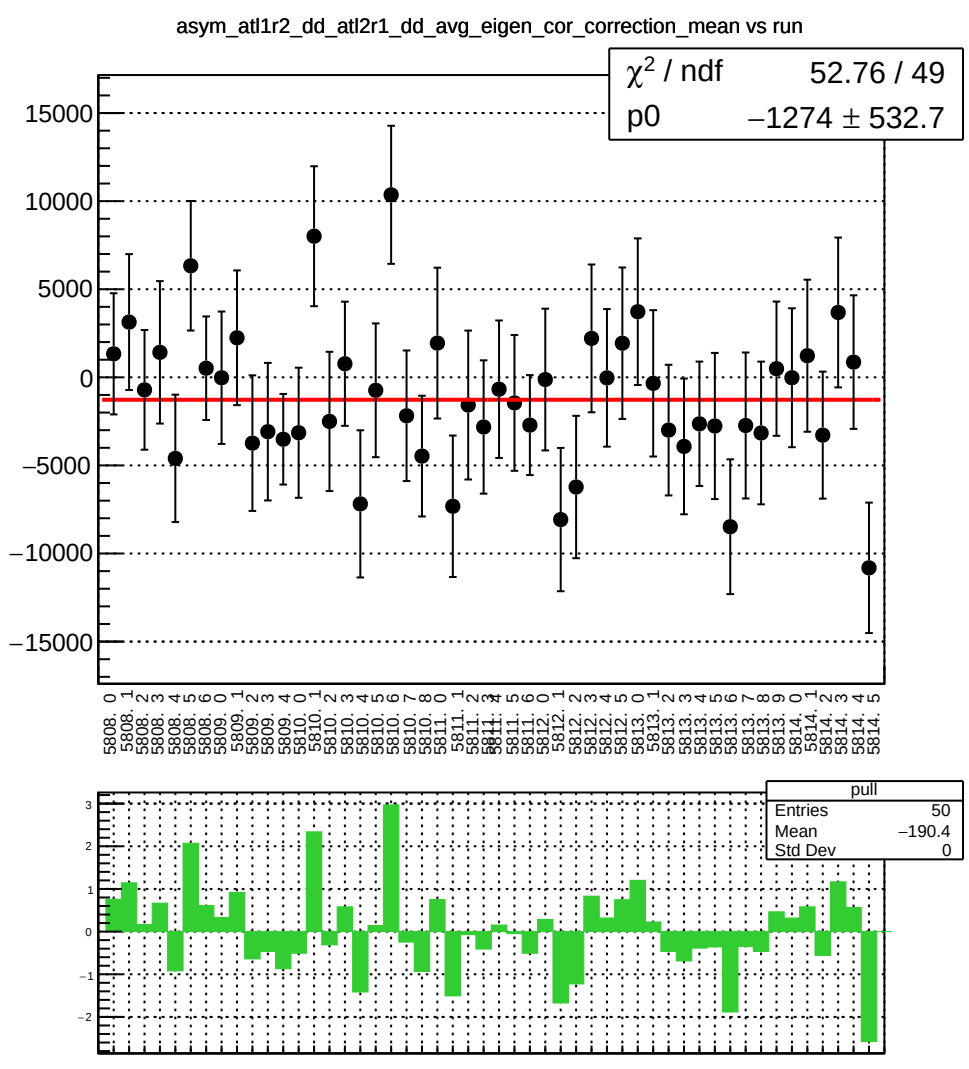

pull1D
Entries 50
Mean 0.01636
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

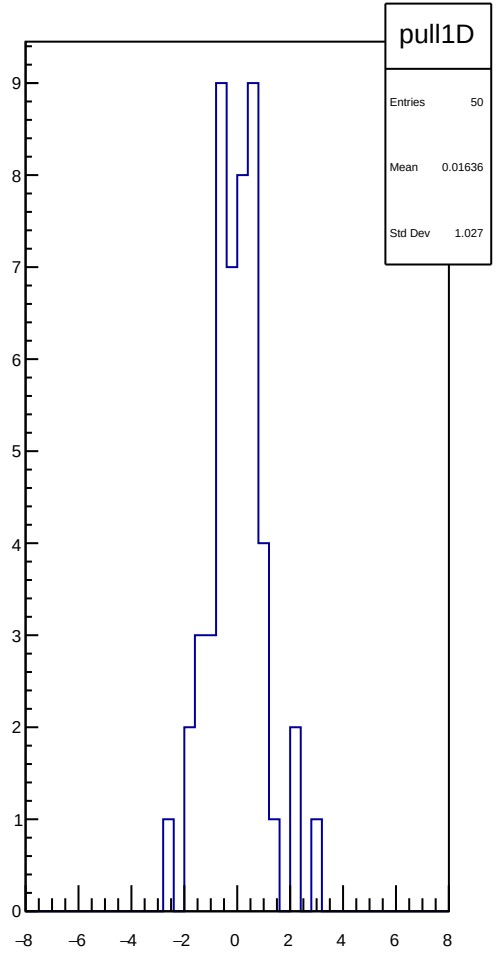

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 3630 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

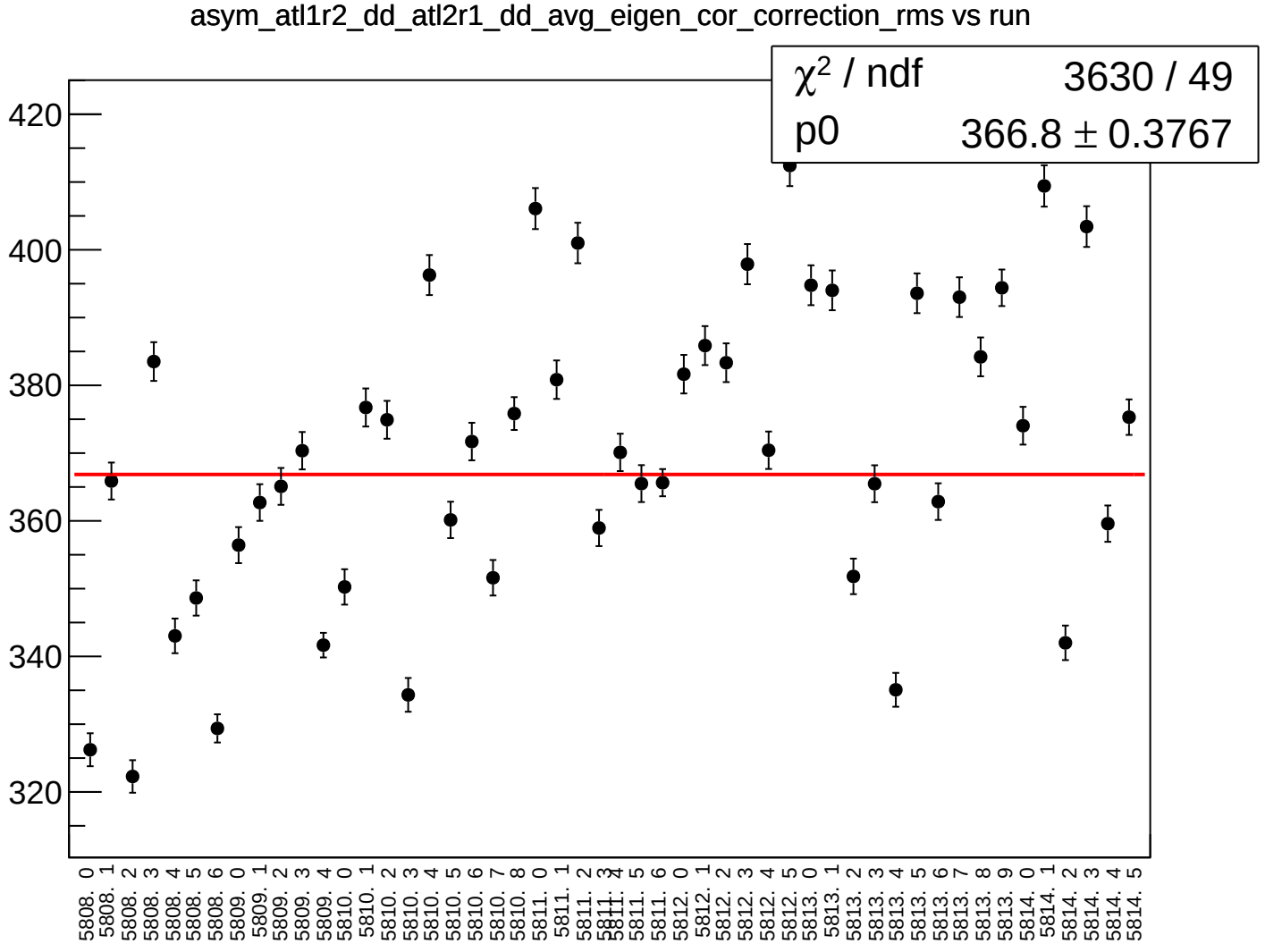

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 39.53 / 49
p0 −2181 ± 1968
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −833.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

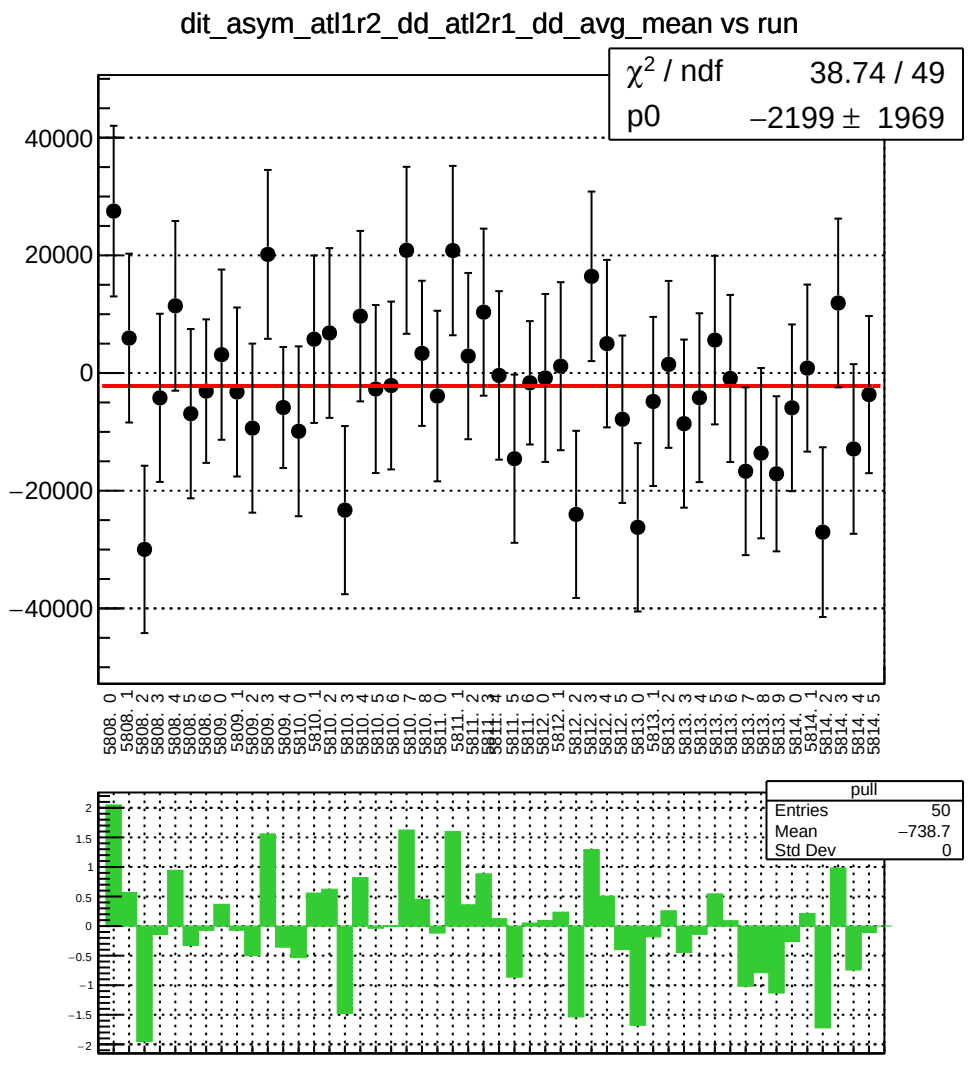

pull1D
Entries 50
Mean 0.003914
Std Dev 0.8891
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

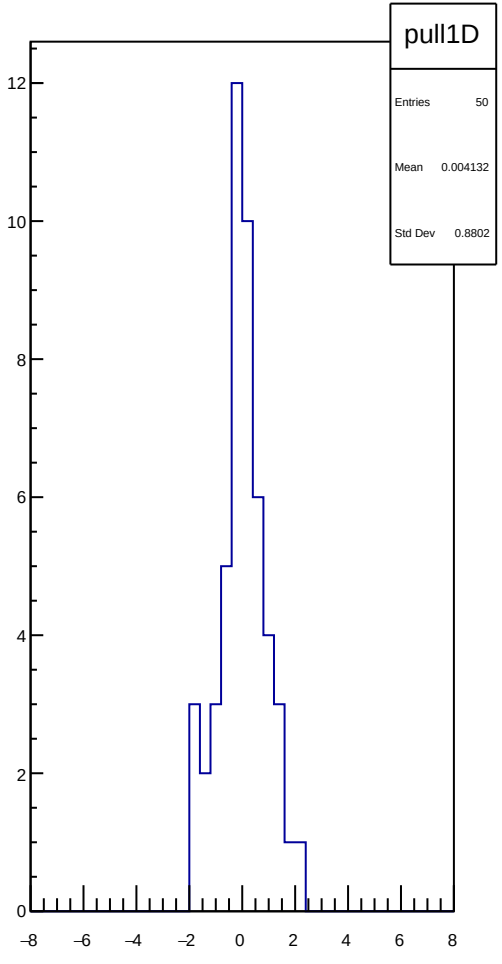

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 40.15 / 49
p0 1358 ± 1.392
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

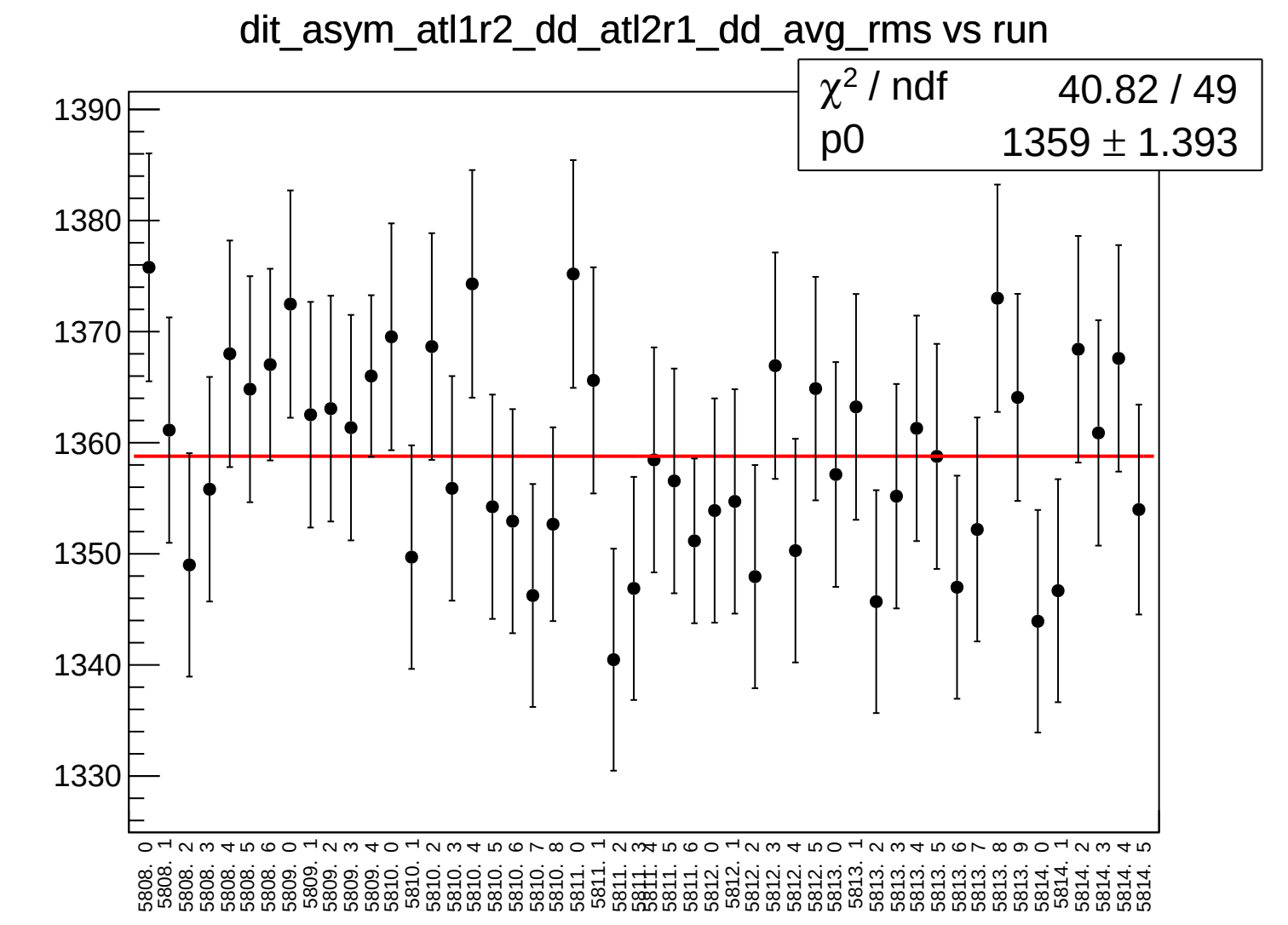

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.76 / 49
p0 −1274 ± 532.7
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −190.4
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01636
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3630 / 49
p0 366.8 ± 0.3767
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 38.74 / 49
p0 −2199 ± 1969
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −738.7
Std Dev 0


pull1D
Entries 50
Mean 0.004132
Std Dev 0.8802


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 40.82 / 49
p0 1359 ± 1.393
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 4
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5813. 6
5813. 7
5813. 8
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5814. 2
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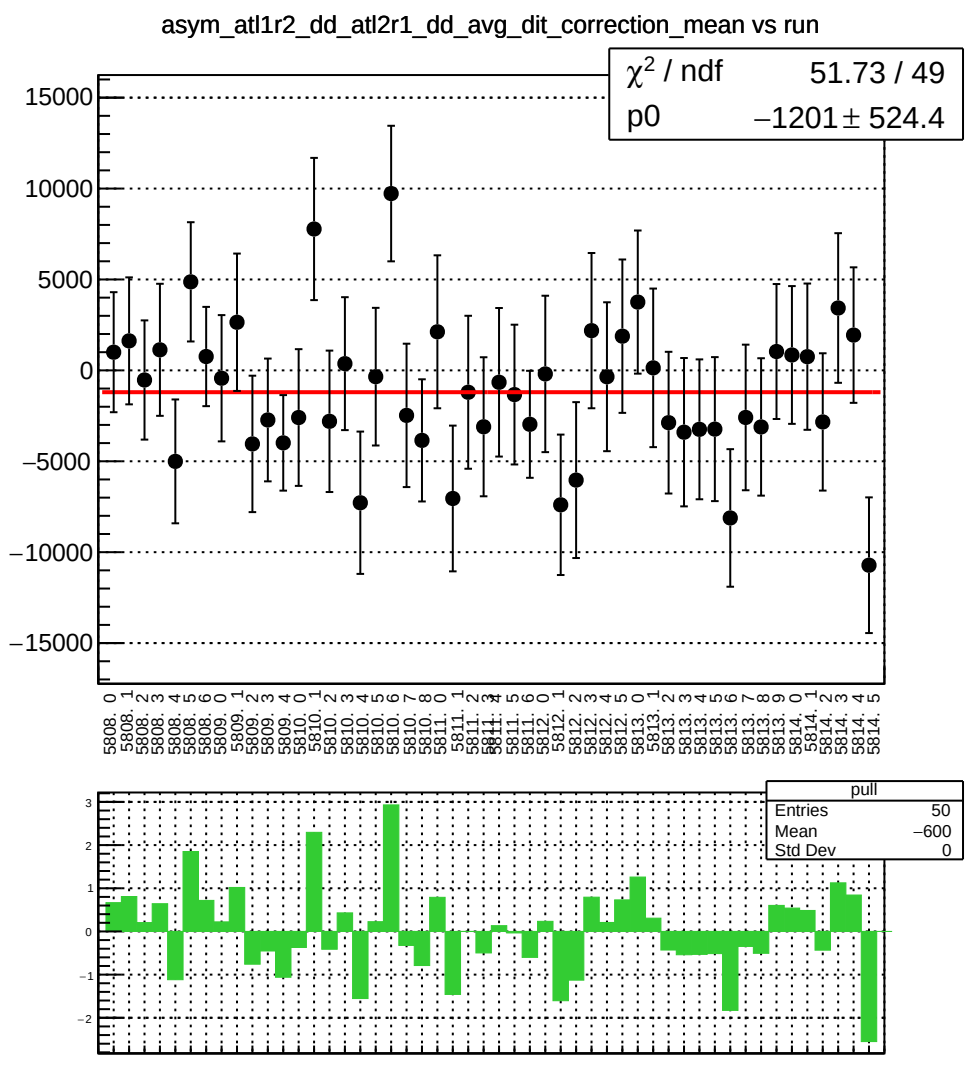
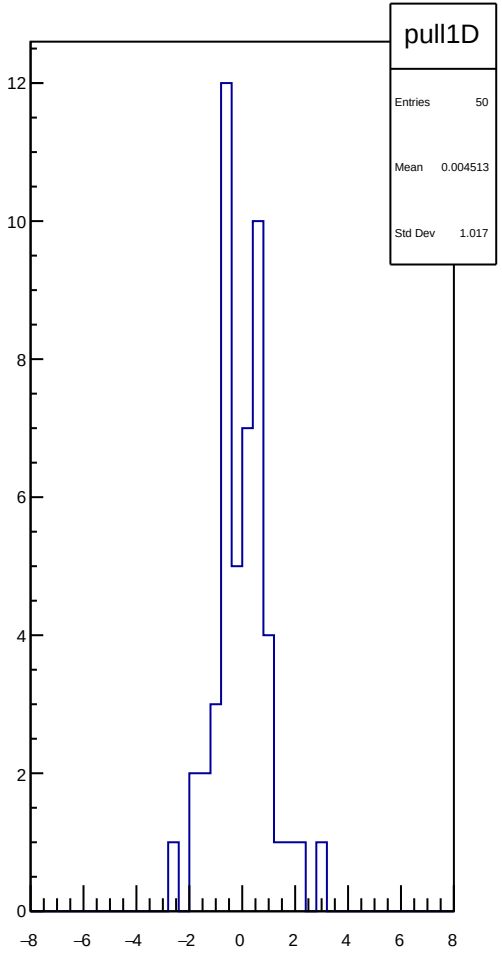
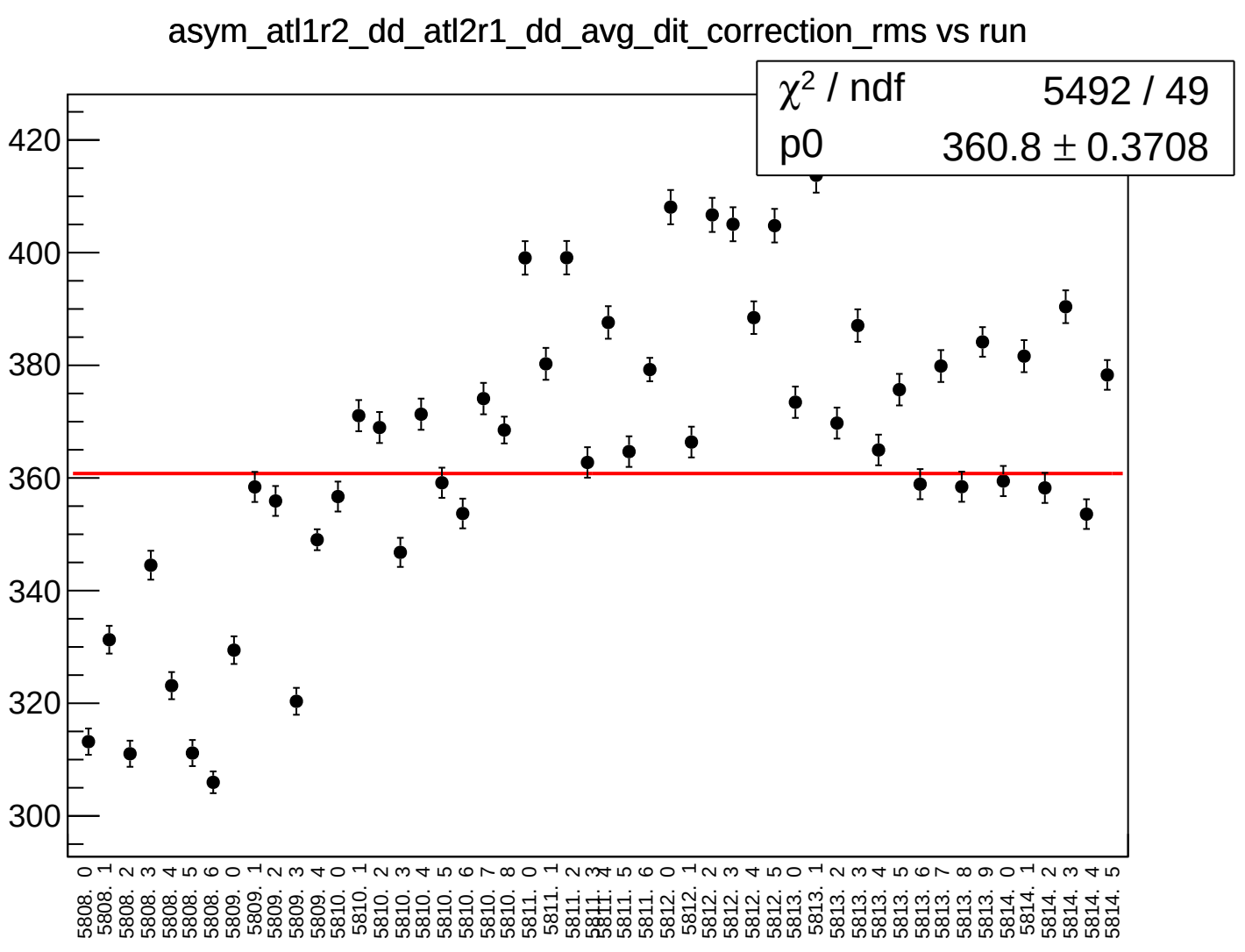
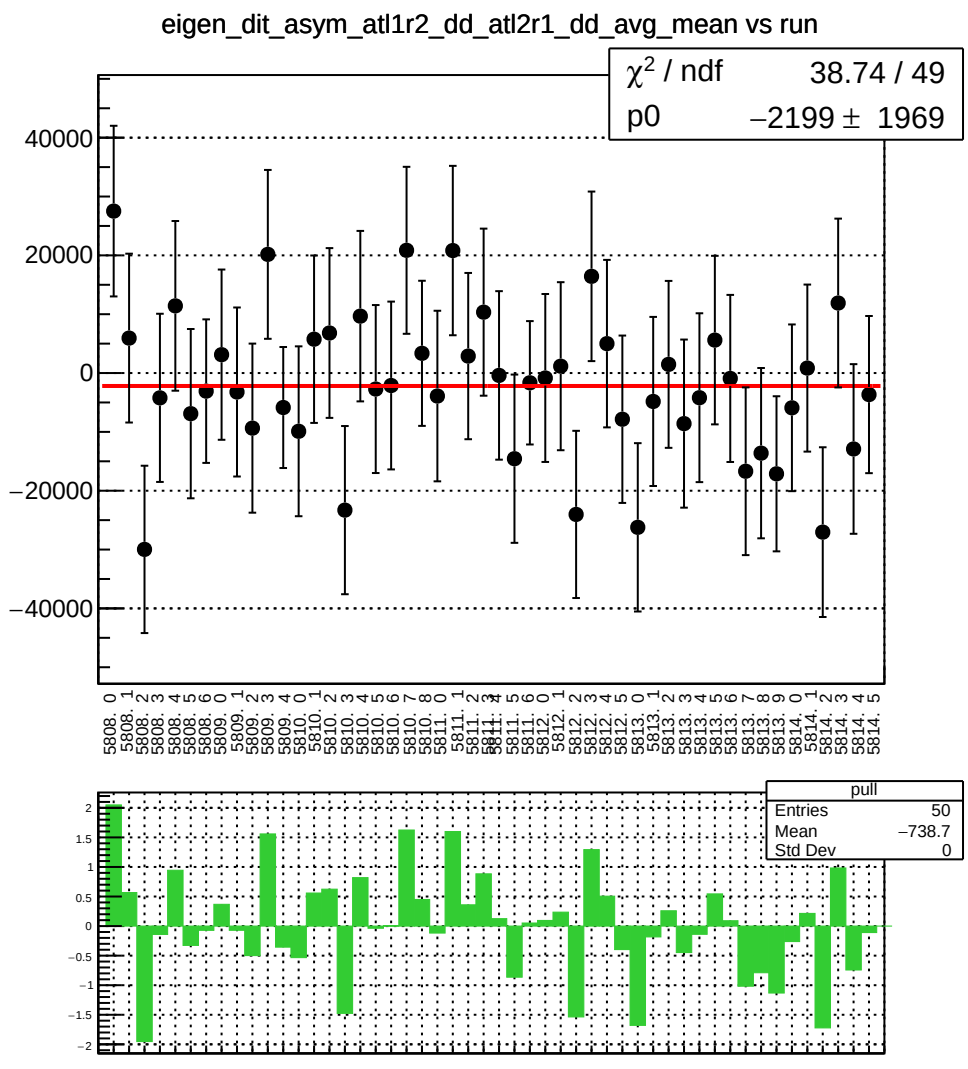
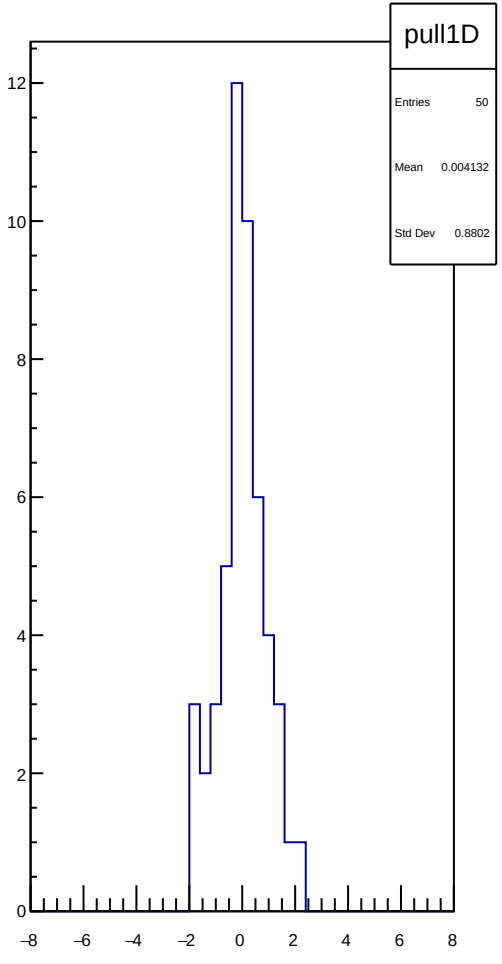
5814. 4
5814. 5

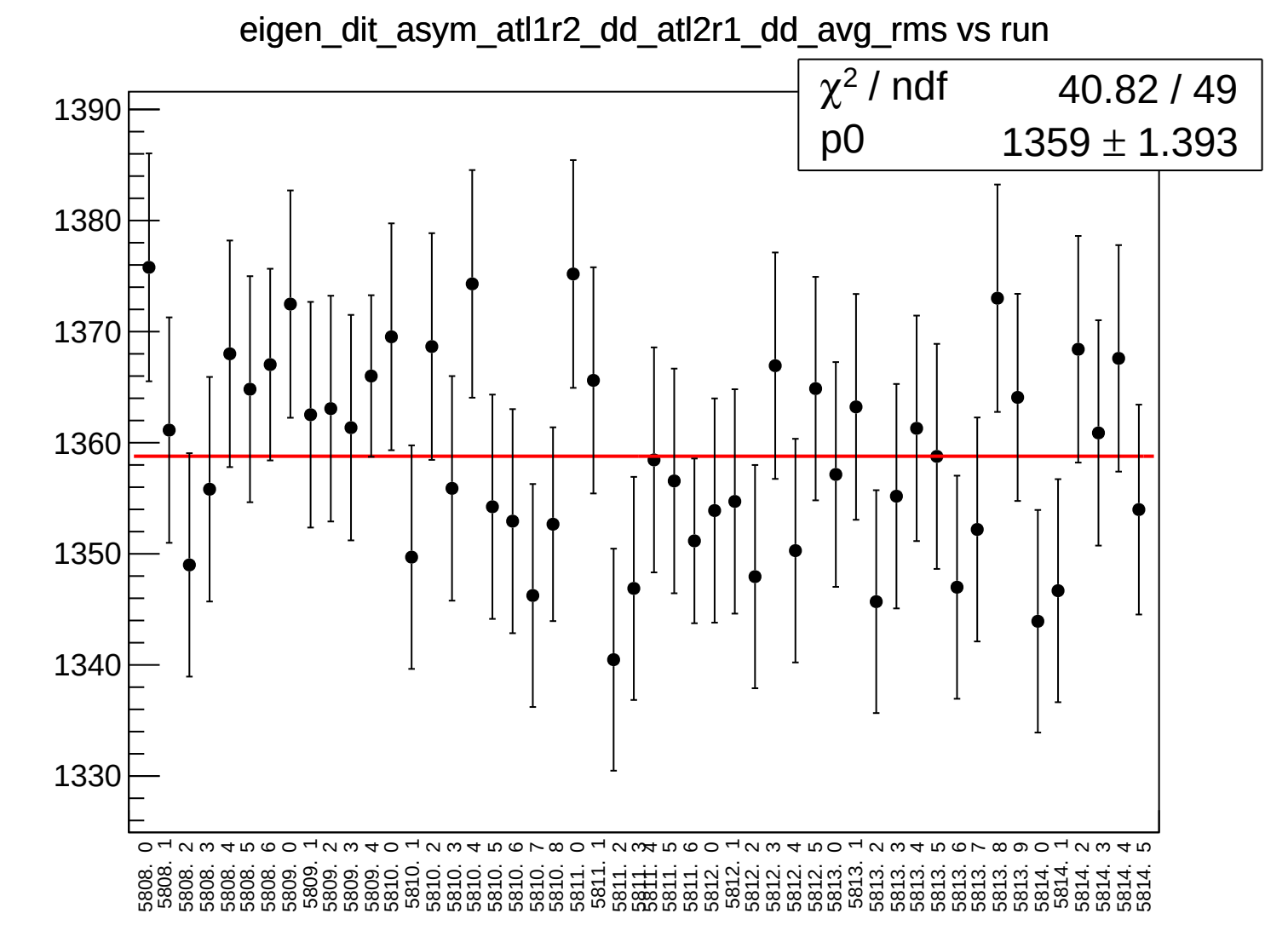

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 51.73 / 49
p0 −1201 ± 524.4
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −600
Std Dev 0
3
2
1
0
−1
−2

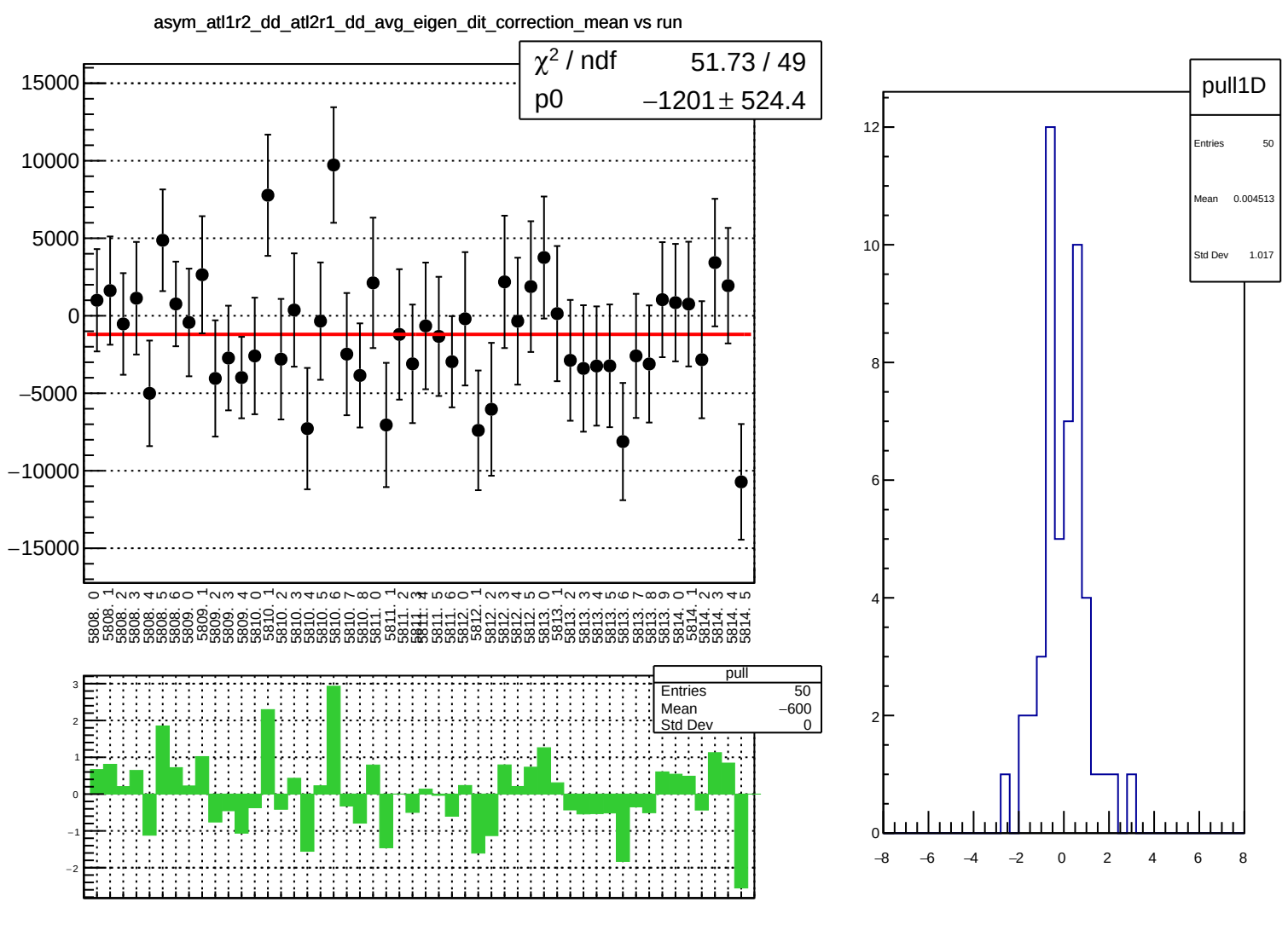

pull1D
Entries 50
Mean 0.004513
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

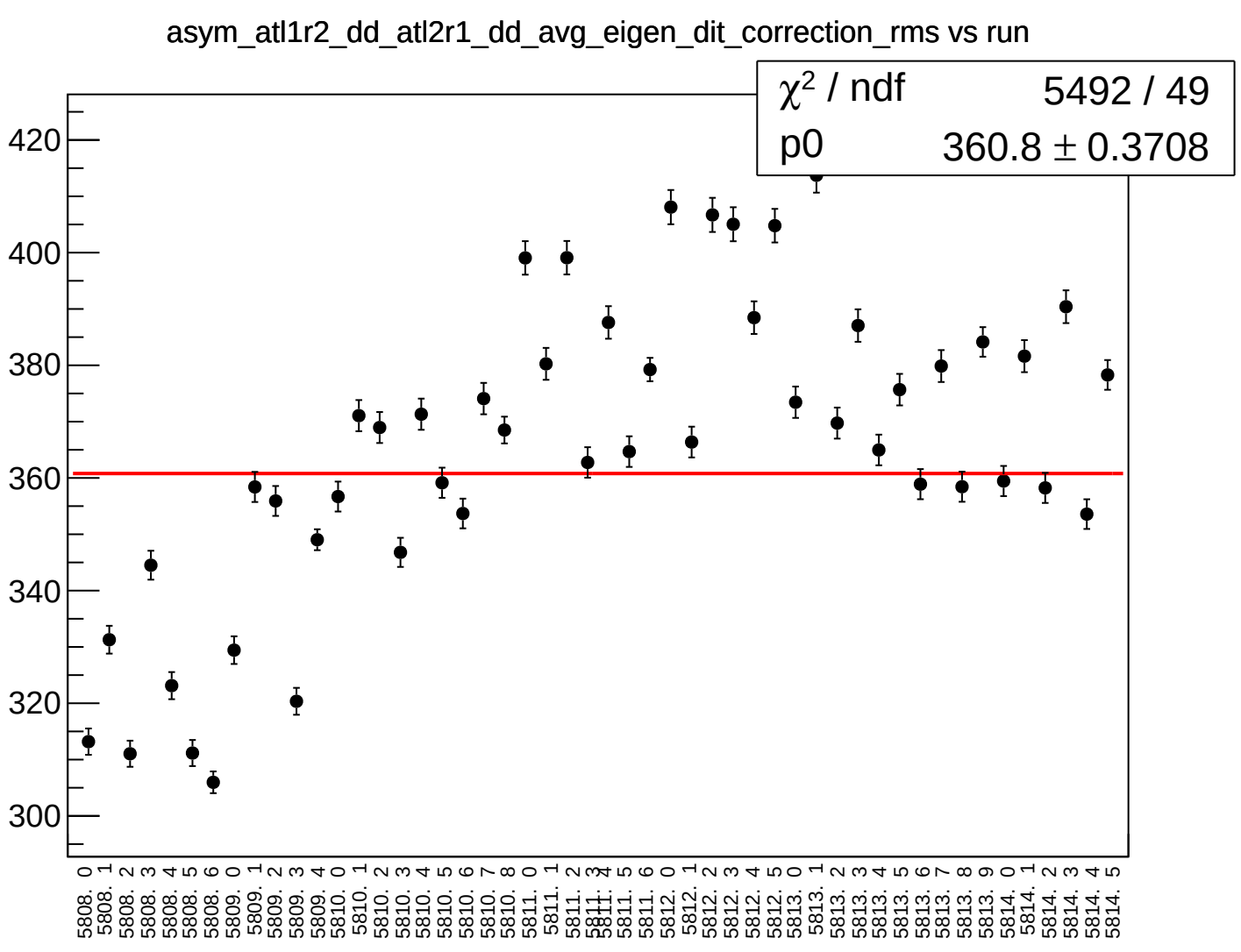

asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 5492 / 49
p0 360.8 ± 0.3708
420
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

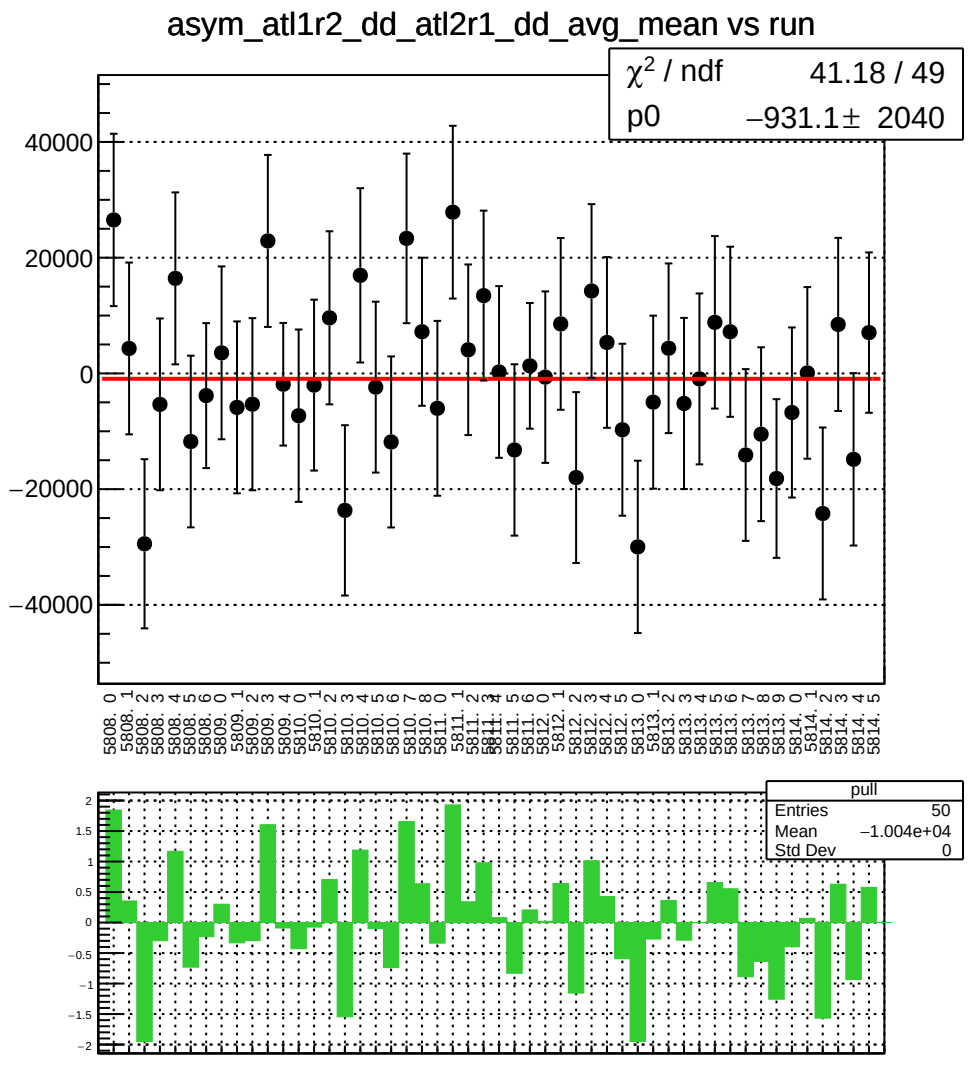

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 38.74 / 49
p0 −2199 ± 1969
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −738.7
Std Dev 0

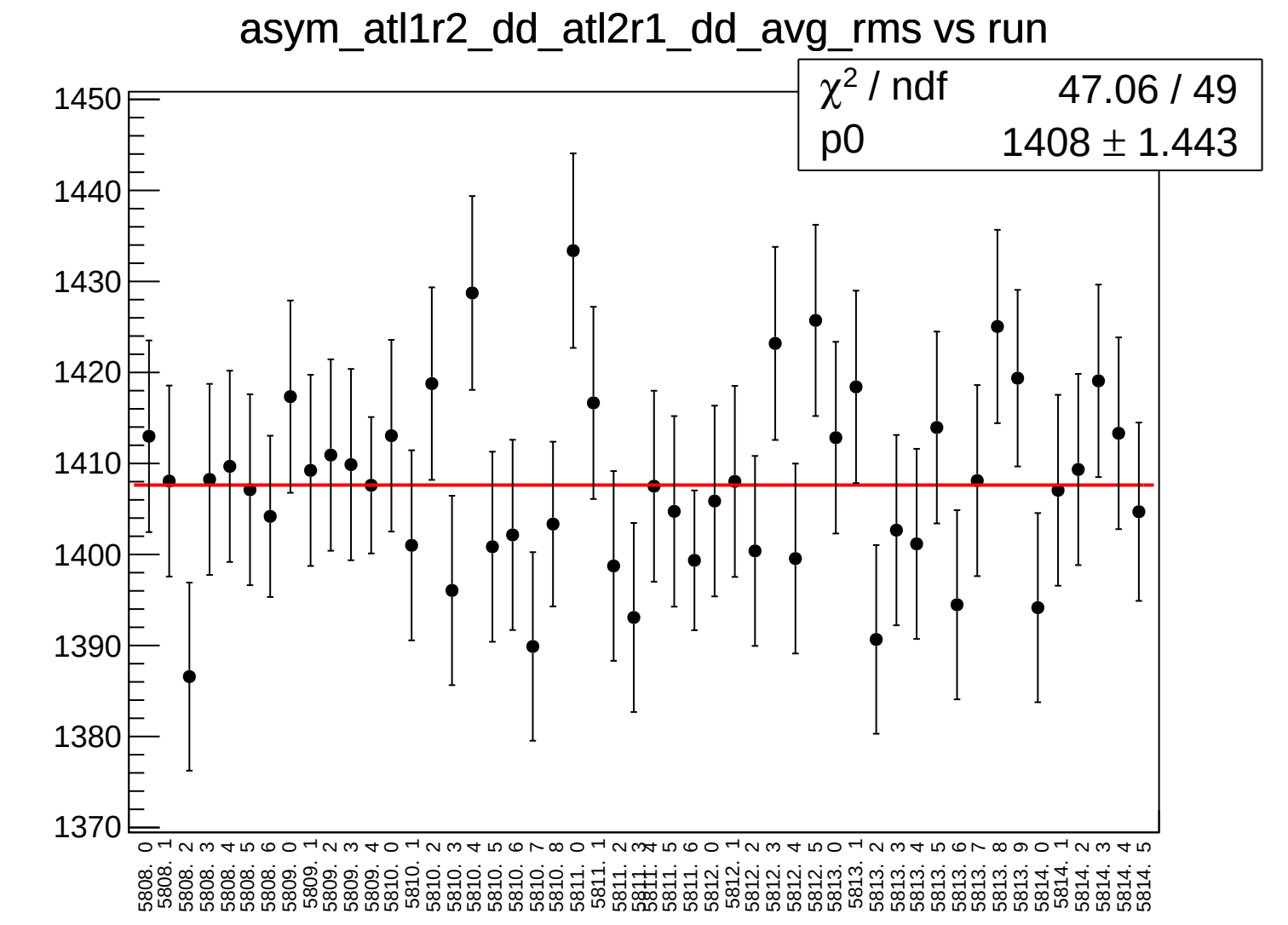

pull1D
Entries 50
Mean 0.004132
Std Dev 0.8802

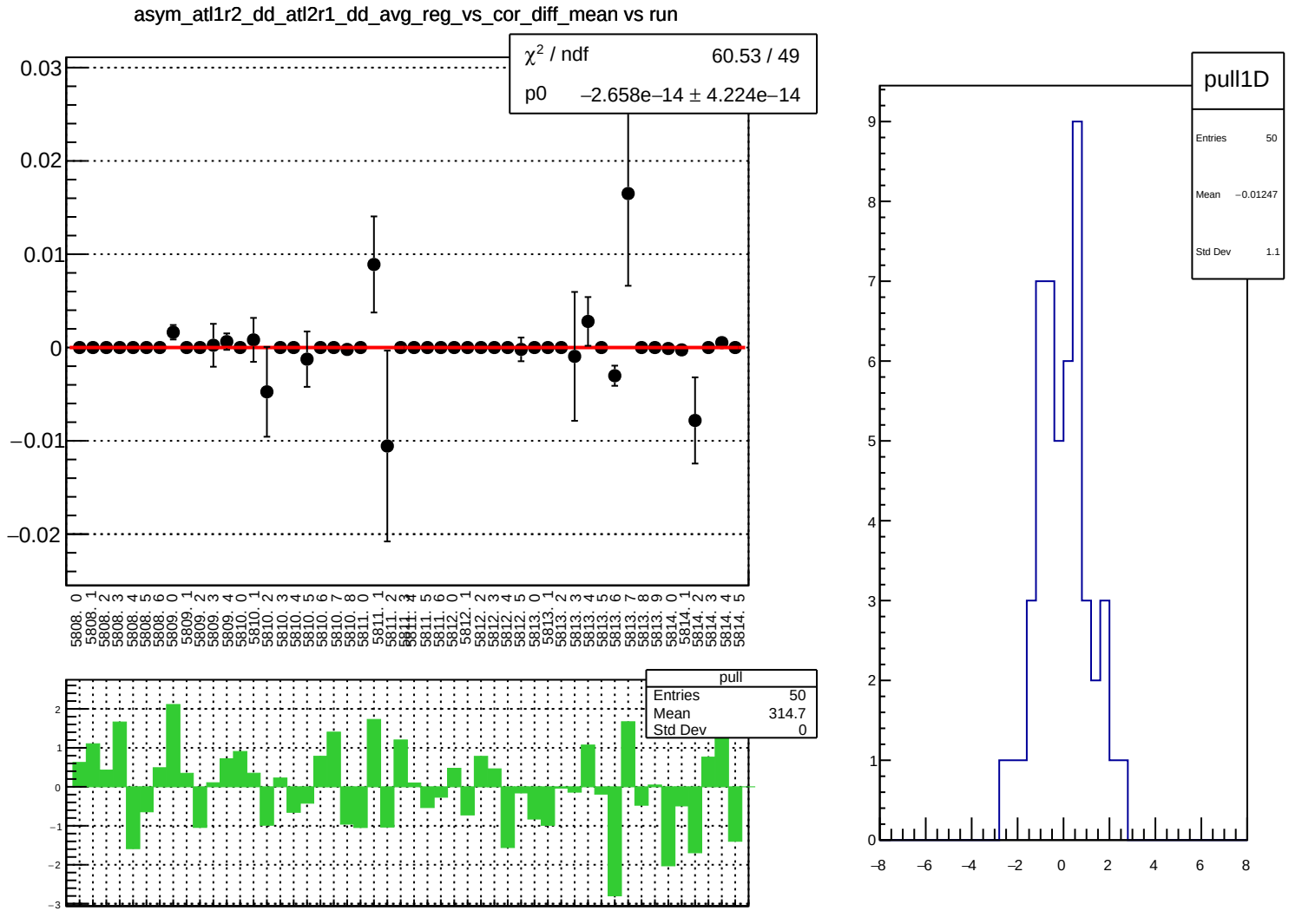

eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 40.82 / 49
p0 1359 ± 1.393
1390
1380
1370
1360
1350
1340
1330
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

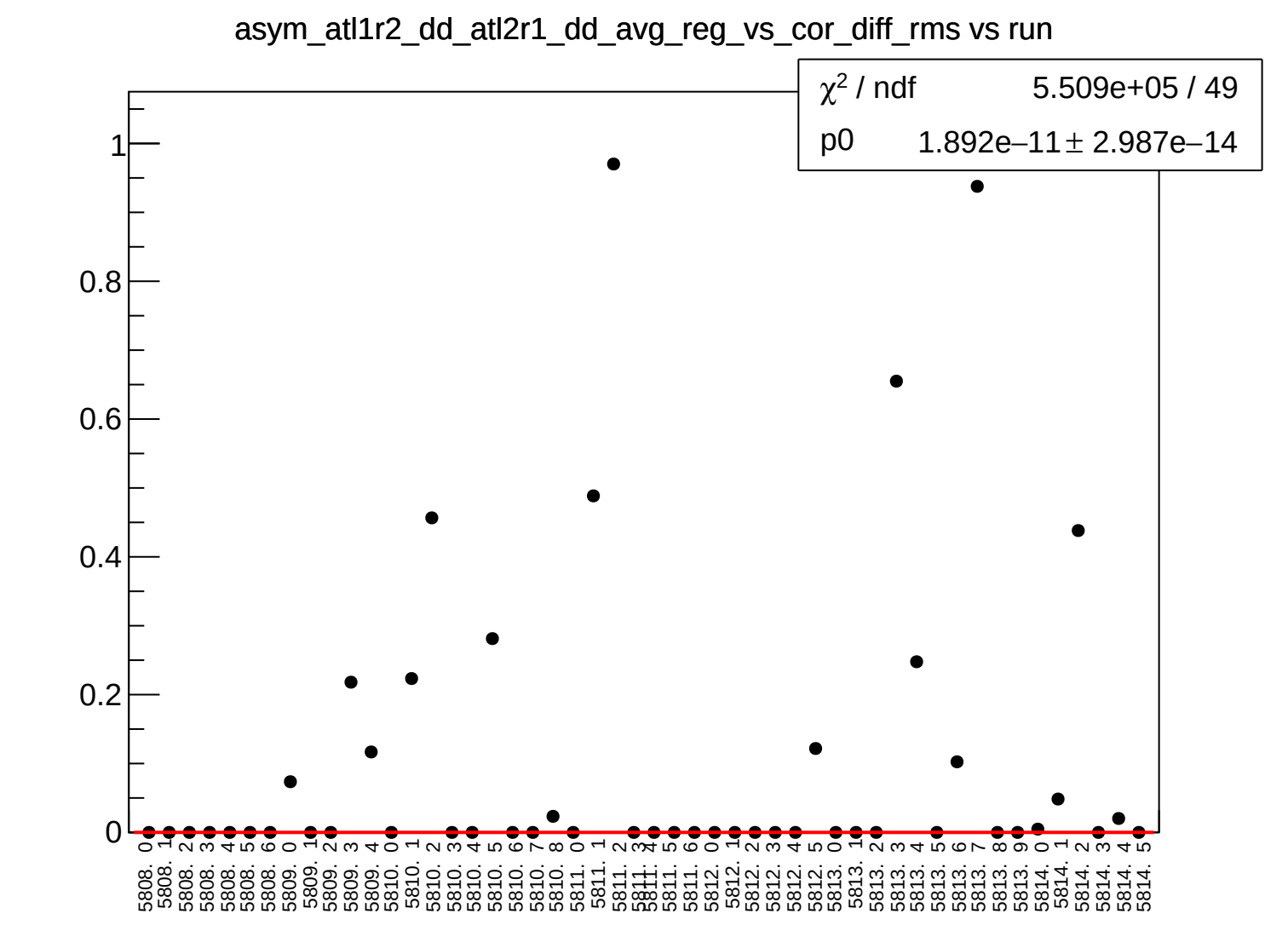

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 51.73 / 49
p0 −1201 ± 524.4
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −600
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.004513
Std Dev 1.017
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

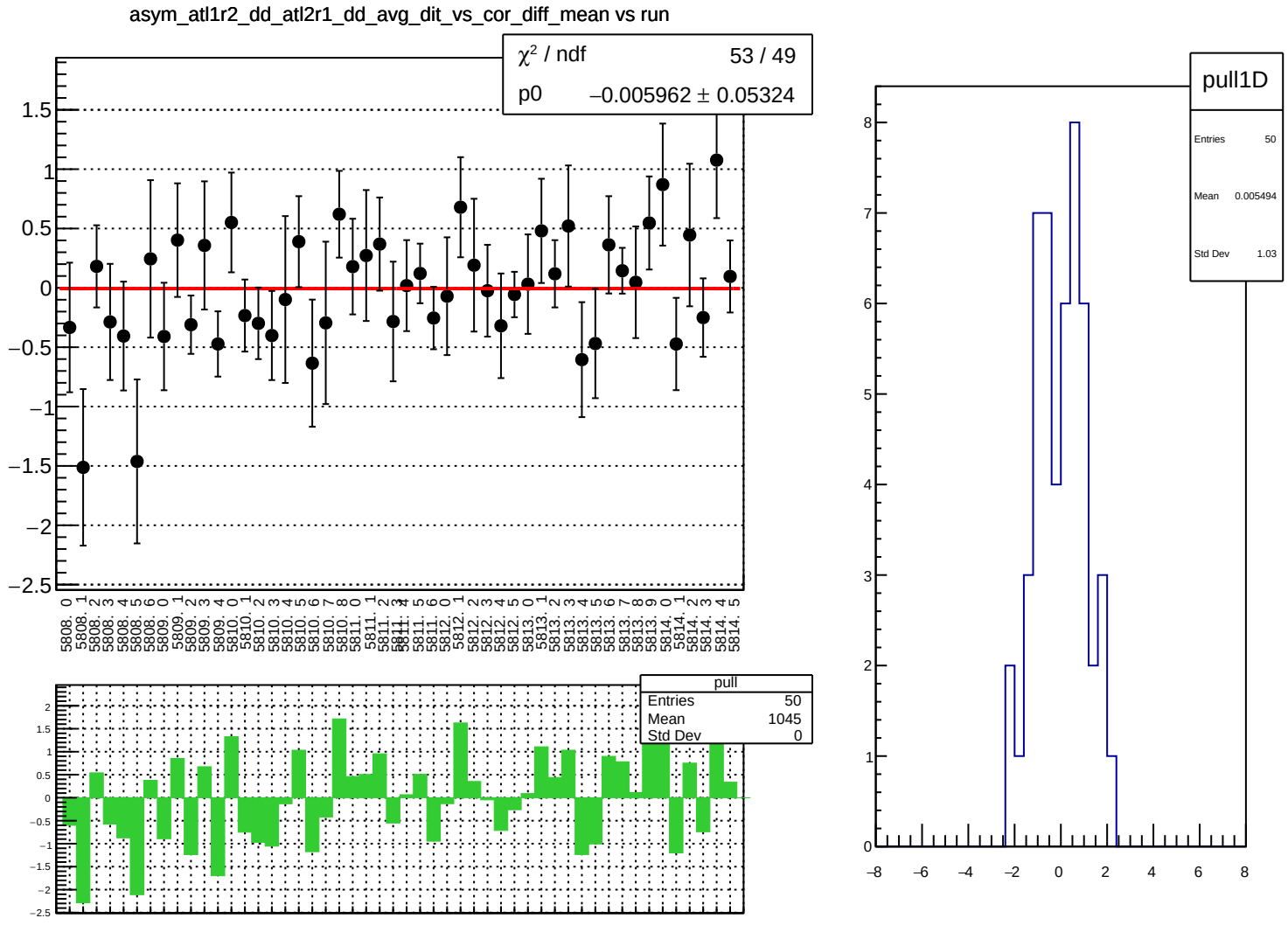

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5492 / 49
p0 360.8 ± 0.3708
420
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

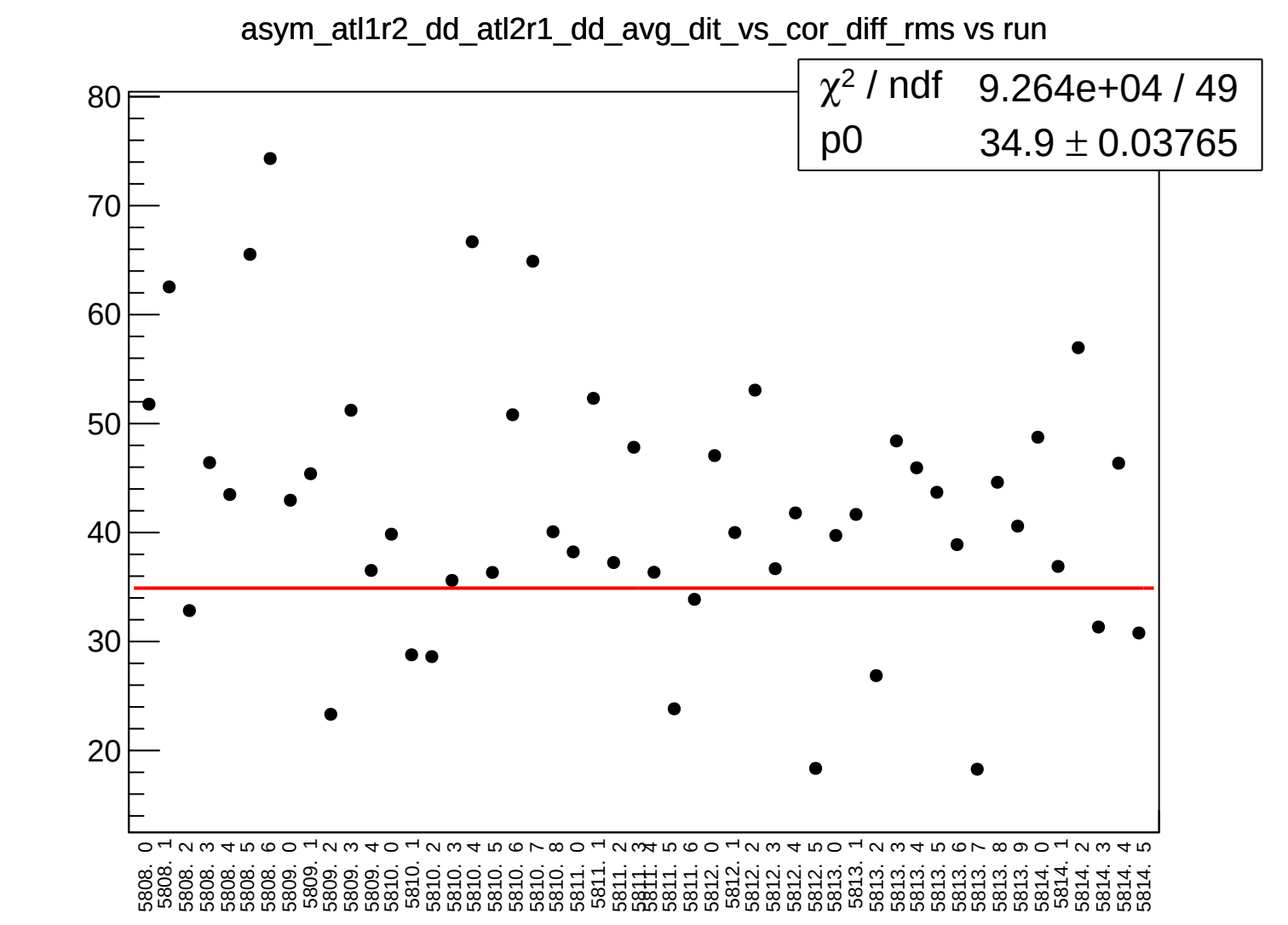

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 41.18 / 49
p0 −931.1± 2040
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1.004e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0002352
Std Dev 0.9075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 47.06 / 49
p0 1408 ± 1.443
1450
1440
1430
1420
1410
1400
1390
1380
1370
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.53 / 49
p0 −2.658e−14 ± 4.224e−14
0.03
0.02
0.01
0
−0.01
−0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 314.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01247
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.509e+05 / 49
p0 1.892e−11 ± 2.987e−14
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005962 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0
pull1D
Entries 50
Mean 0.005494
Std Dev 1.03


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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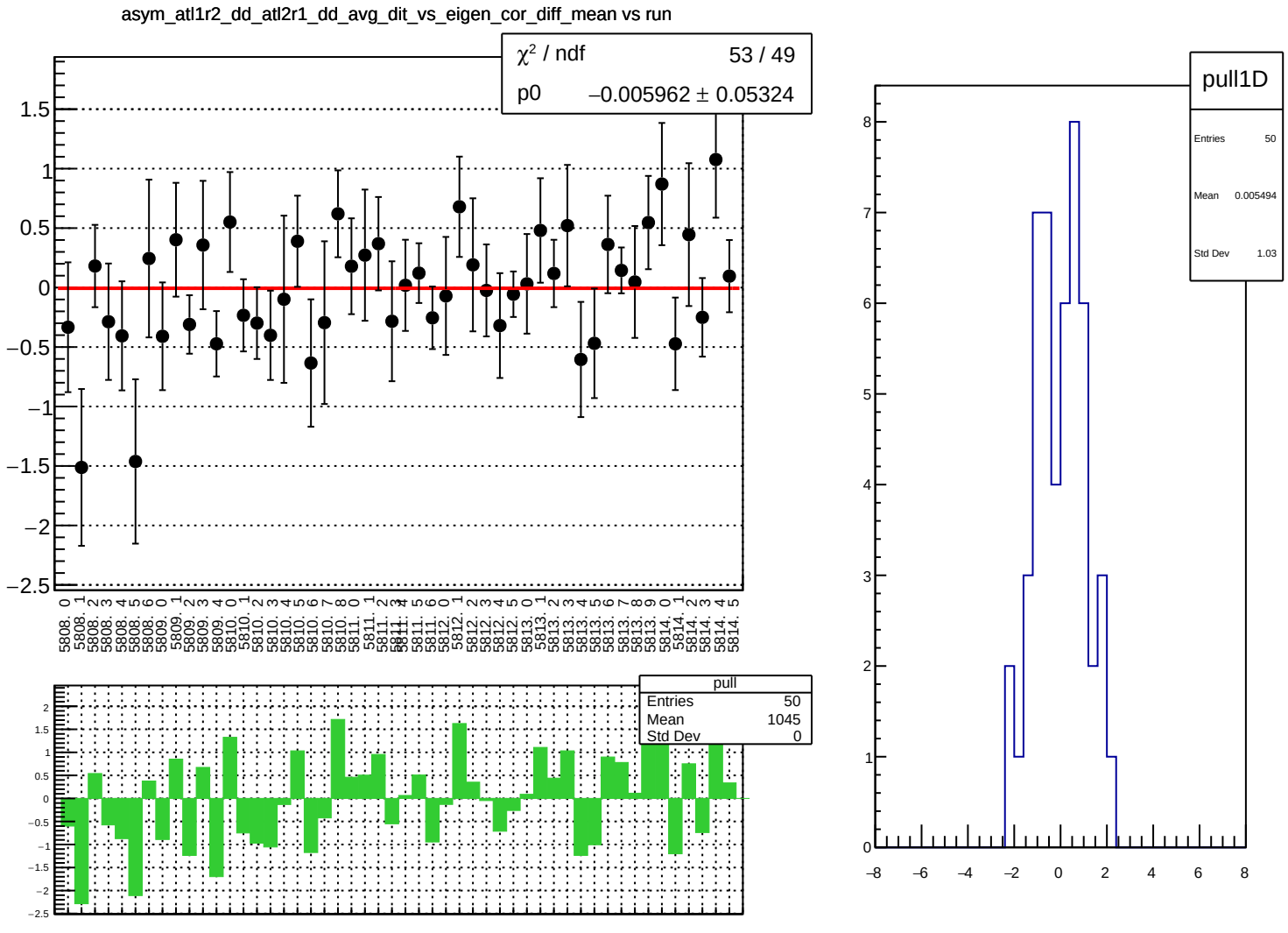
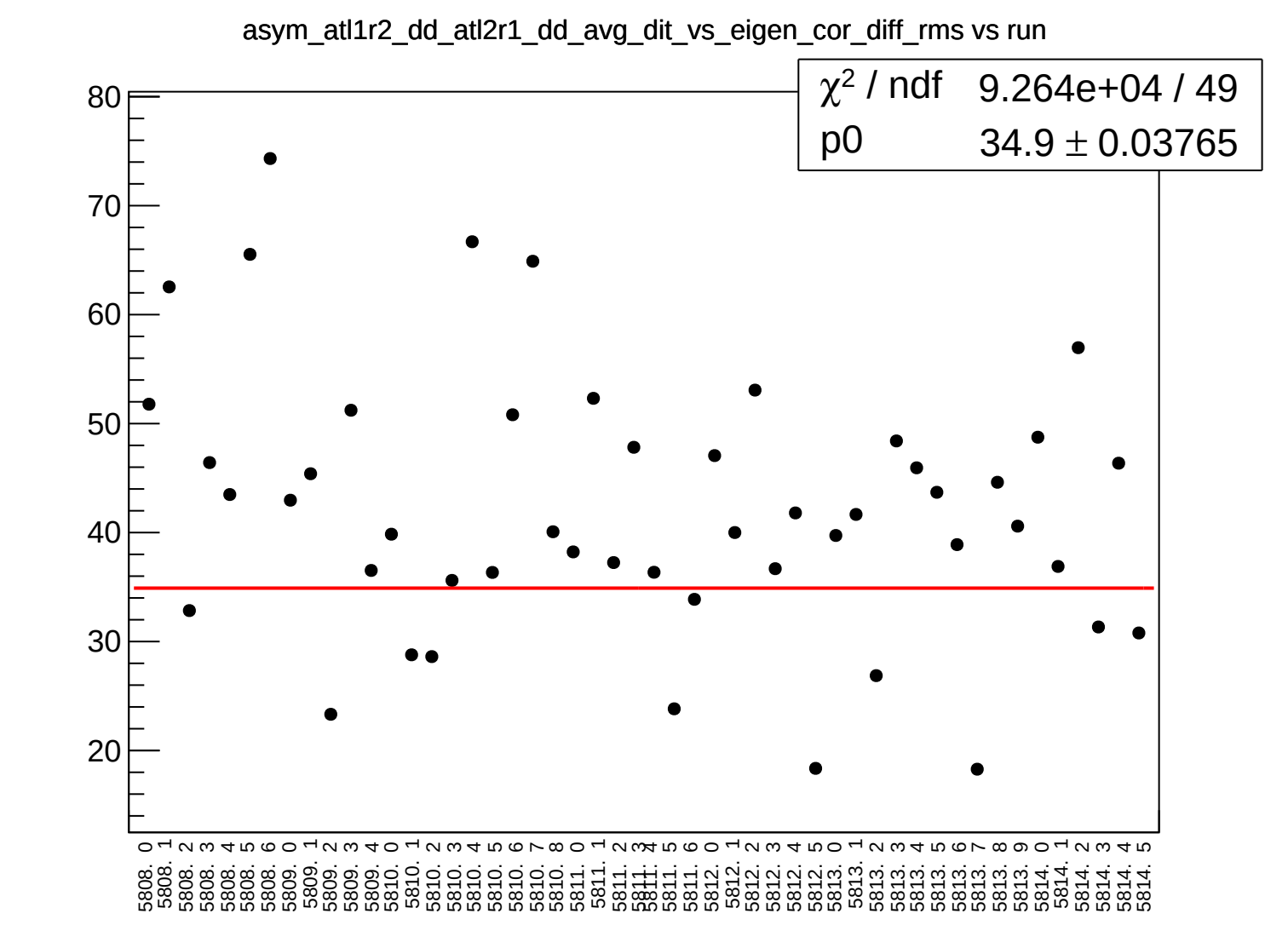
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005962 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0
pull1D
Entries 50
Mean 0.005494
Std Dev 1.03


asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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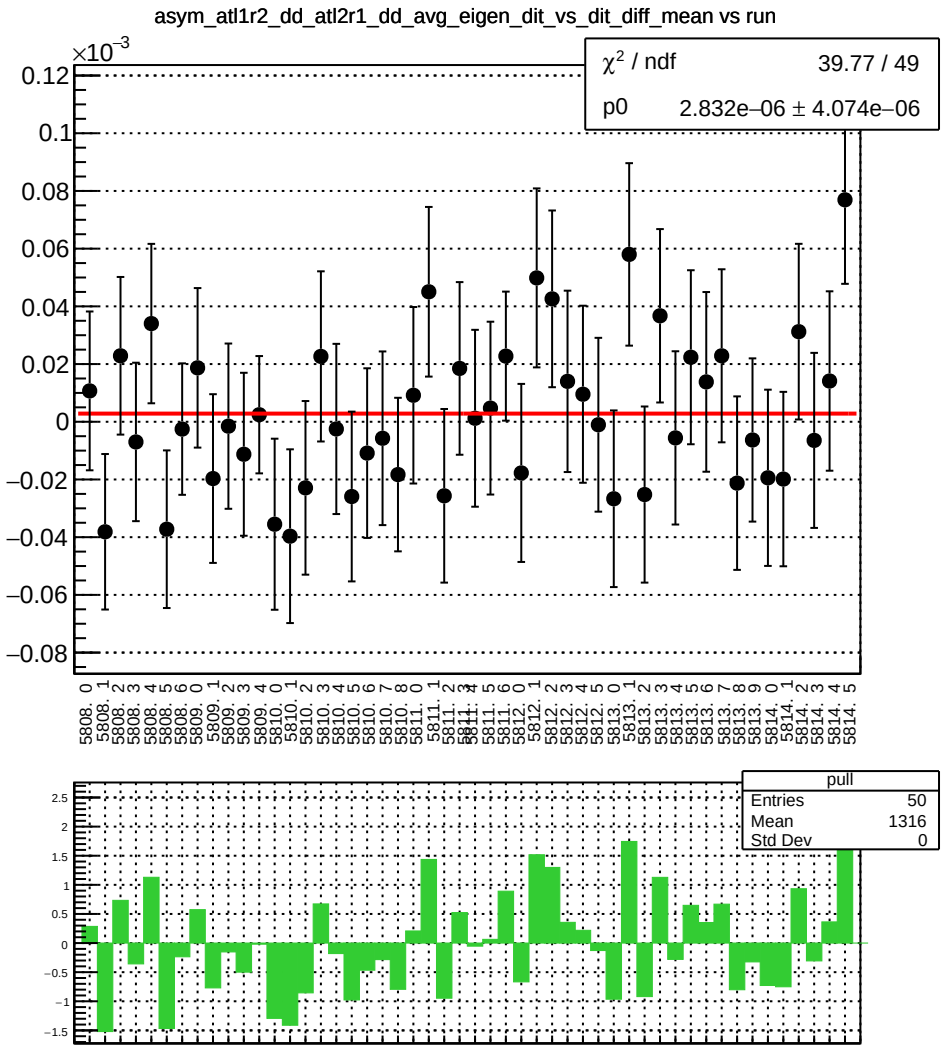
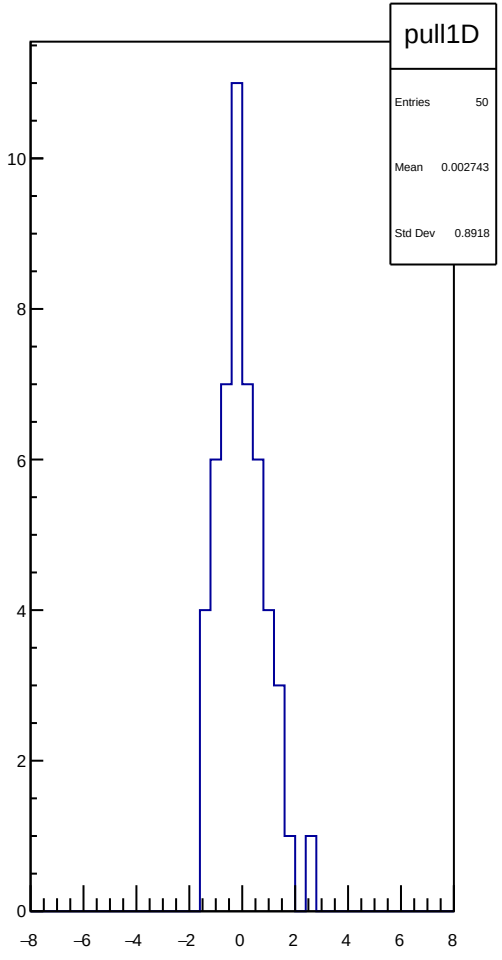
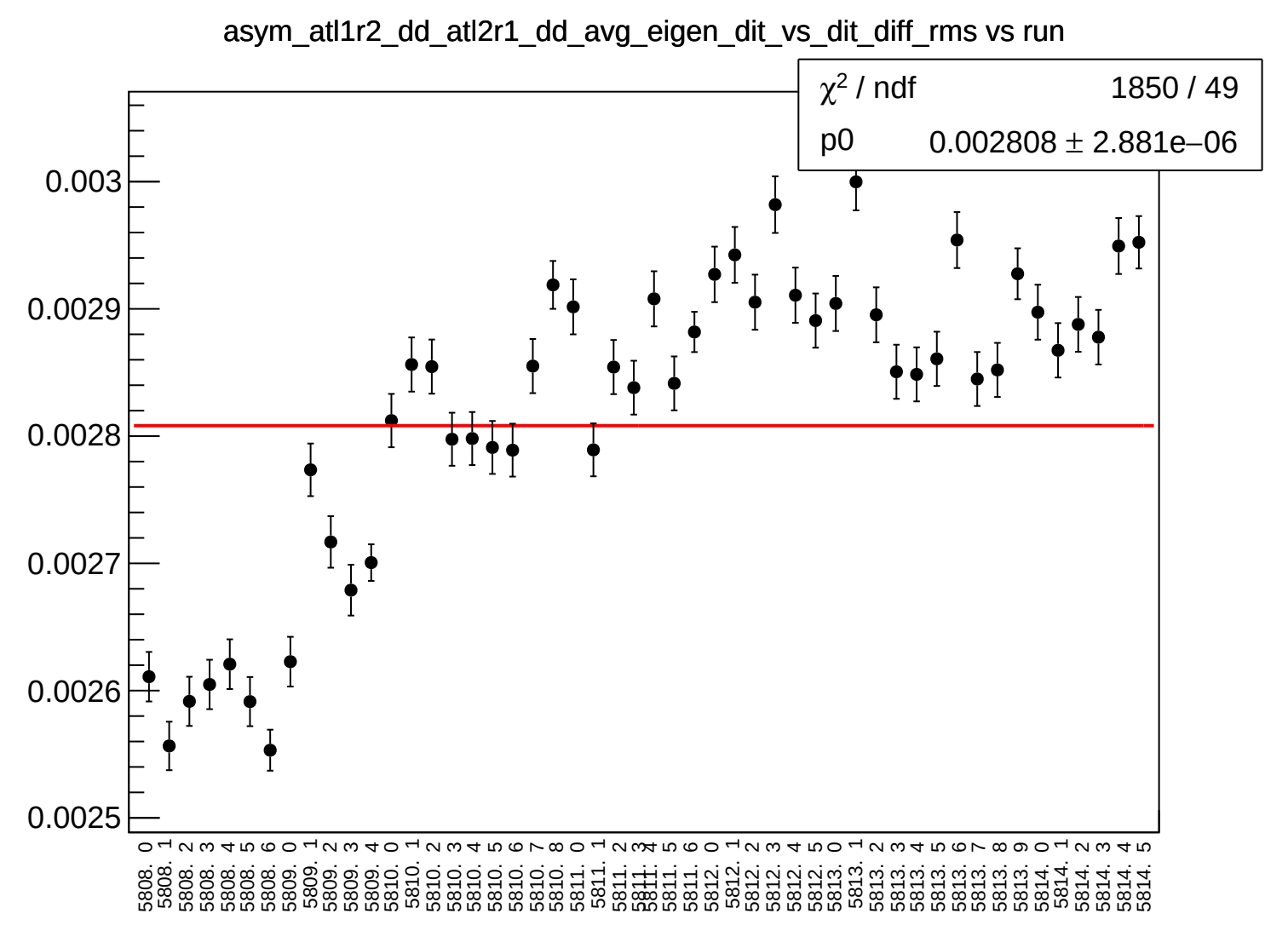
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.77 / 49
p0 2.832e−06 ± 4.074e−06
pull
Entries 50
Mean 1316
Std Dev 0


pull1D
Entries 50
Mean 0.002743
Std Dev 0.8918


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1850 / 49
p0 0.002808 ± 2.881e−06
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
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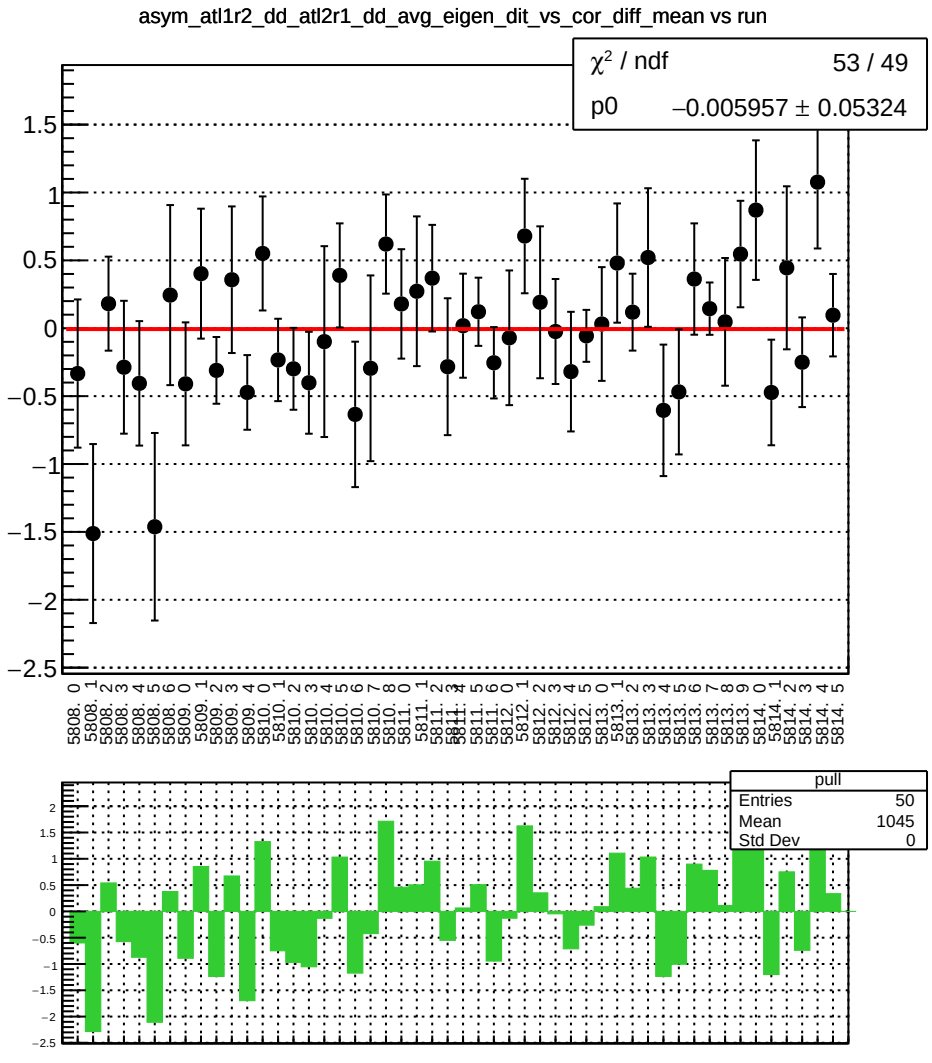
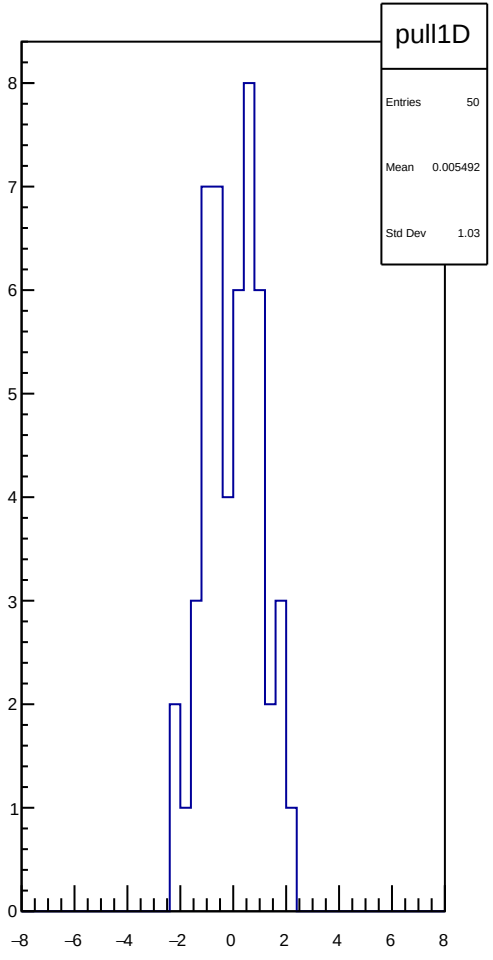
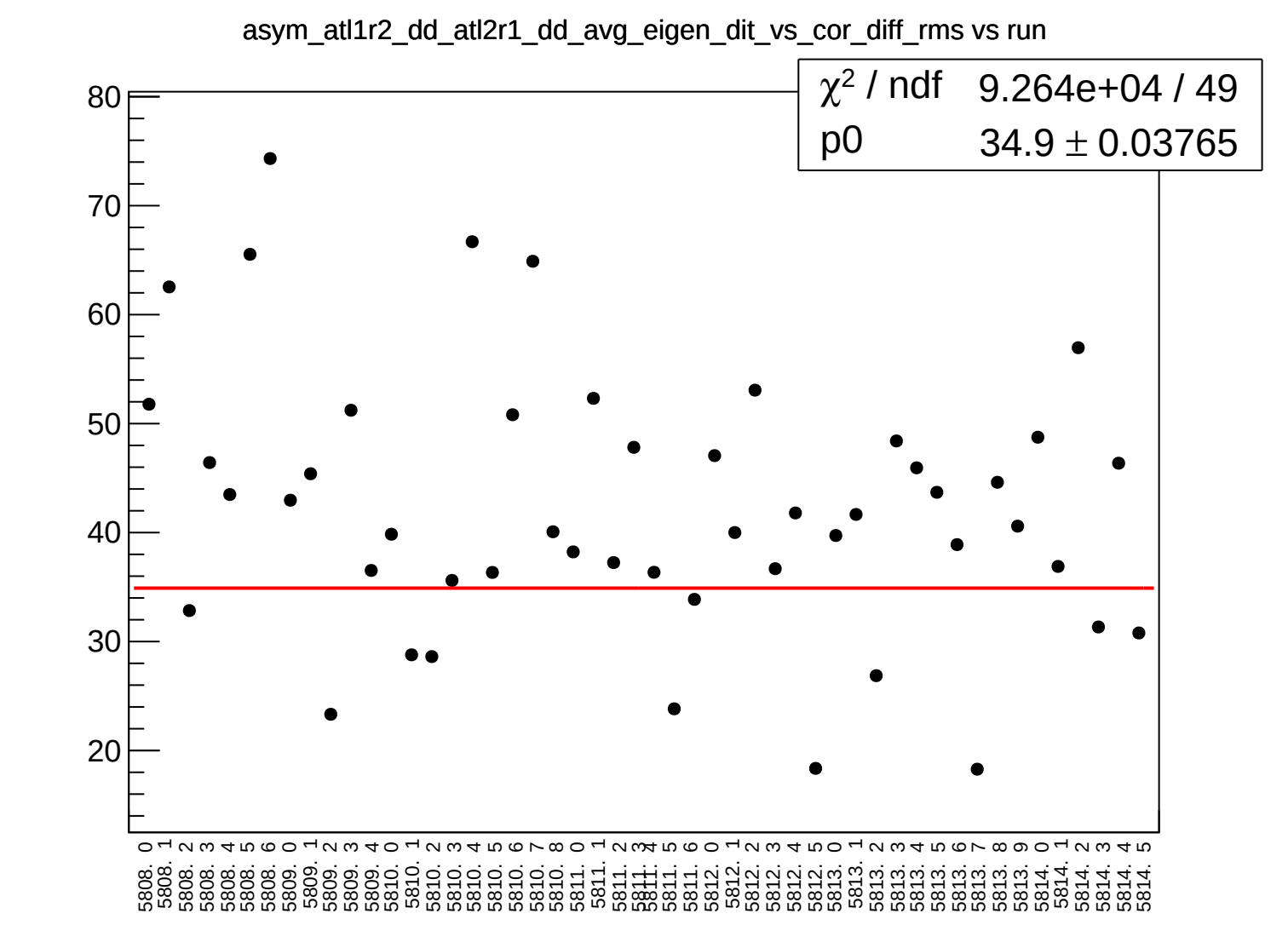
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005957 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0


pull1D
Entries 50
Mean 0.005492
Std Dev 1.03


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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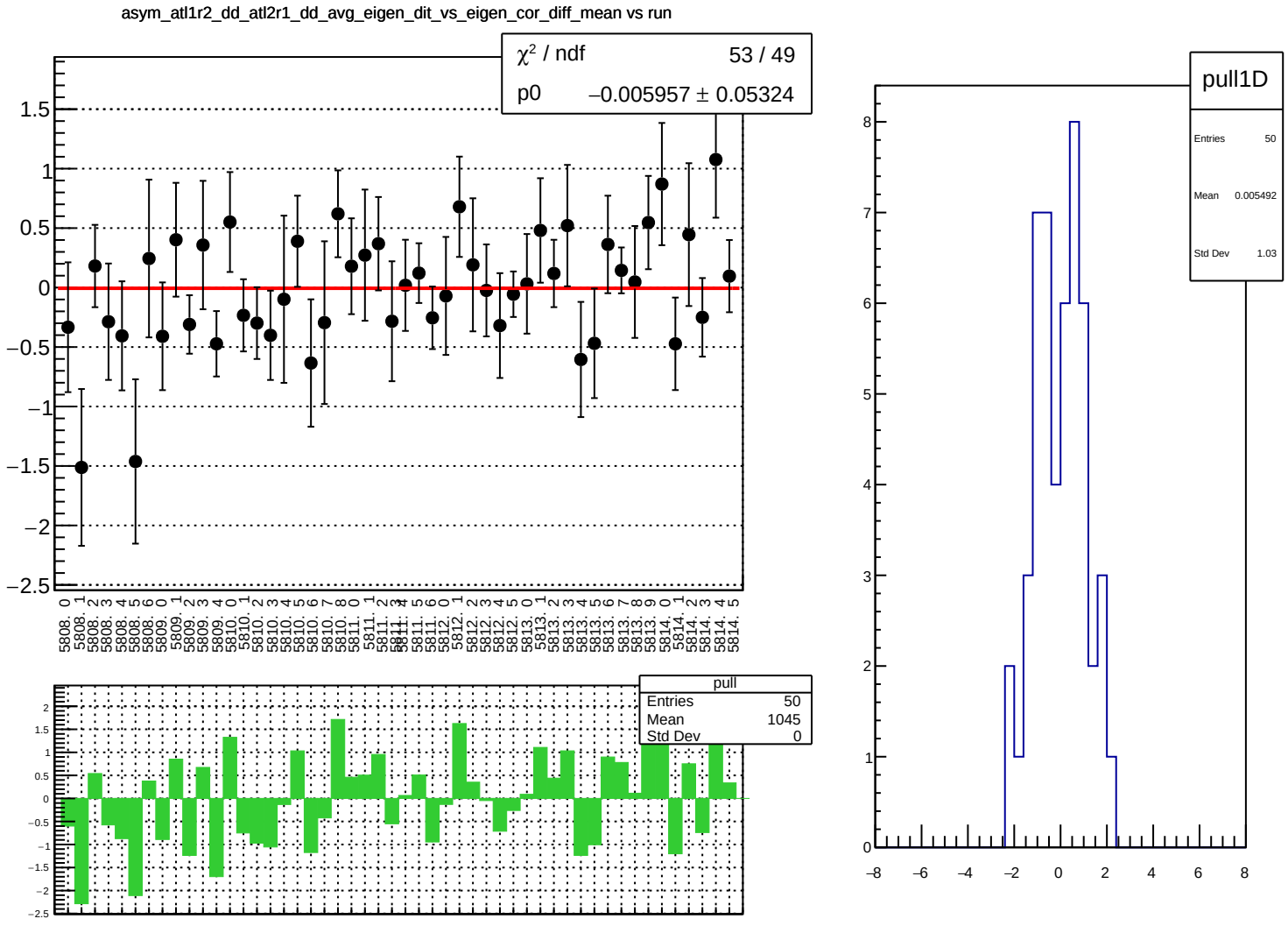
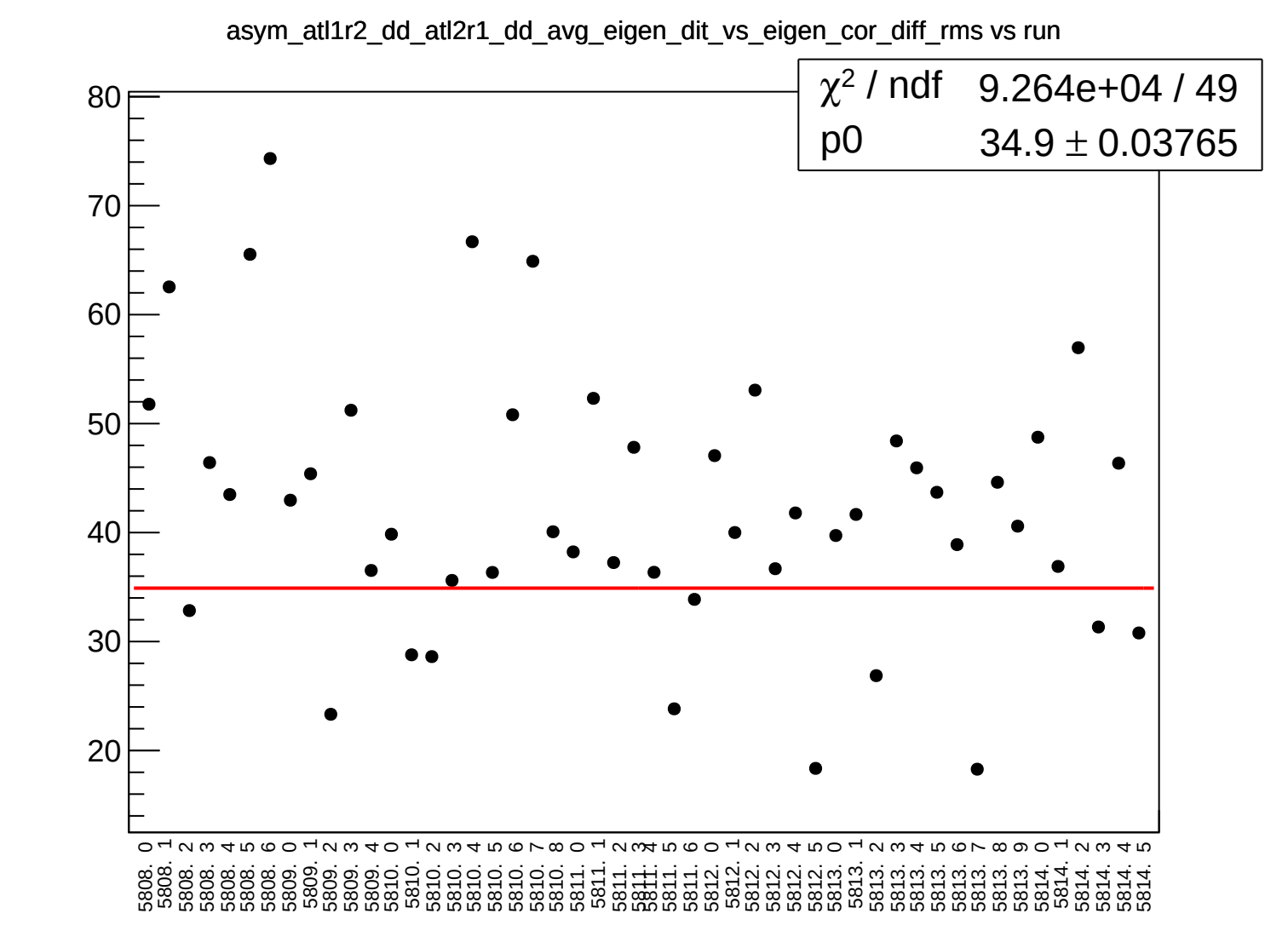
5814. 5


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53 / 49
p0 −0.005957 ± 0.05324
pull
Entries 50
Mean 1045
Std Dev 0
pull1D
Entries 50
Mean 0.005492
Std Dev 1.03


asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.264e+04 / 49
p0 34.9 ± 0.03765
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 3
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5812. 5
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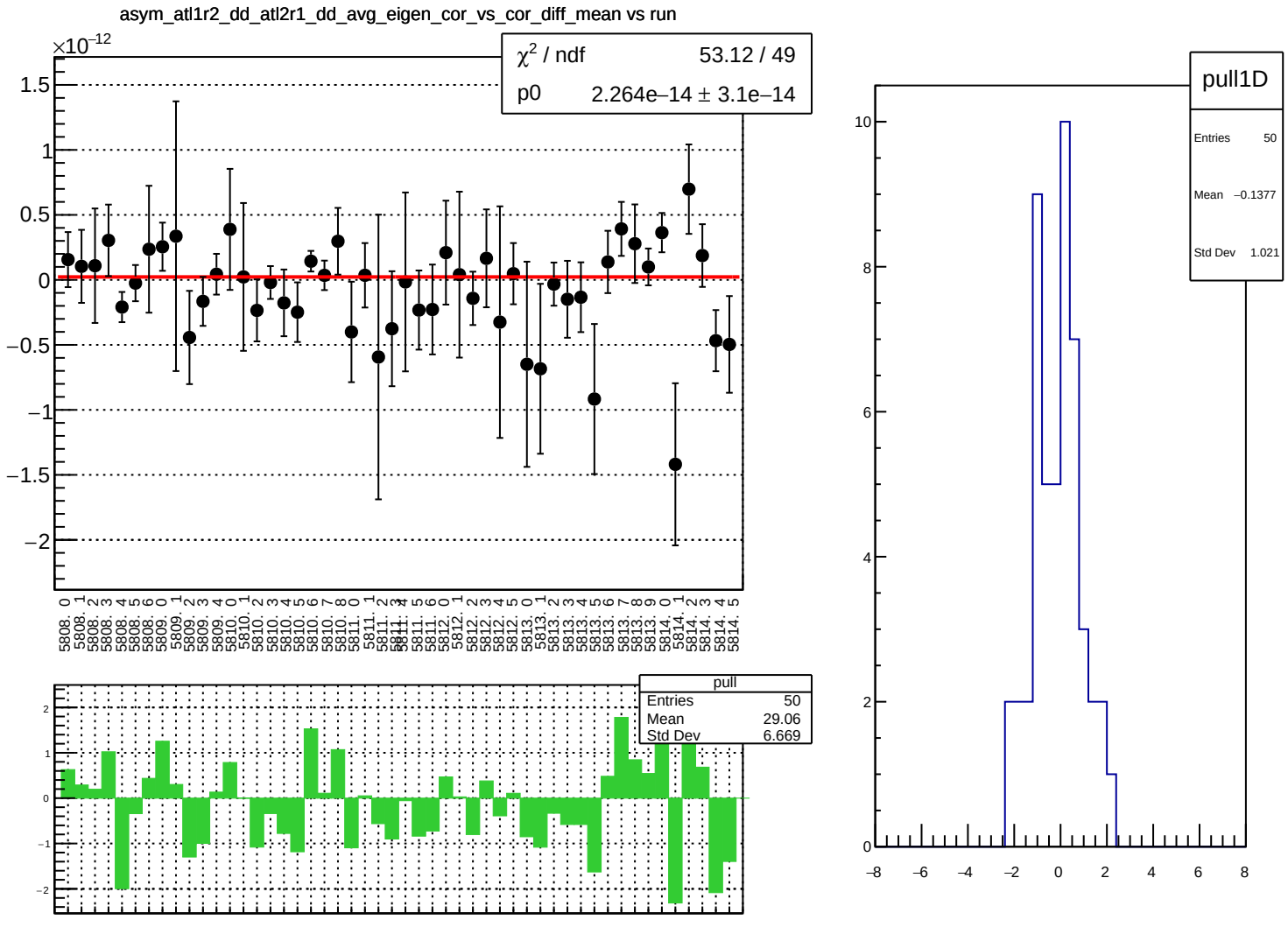
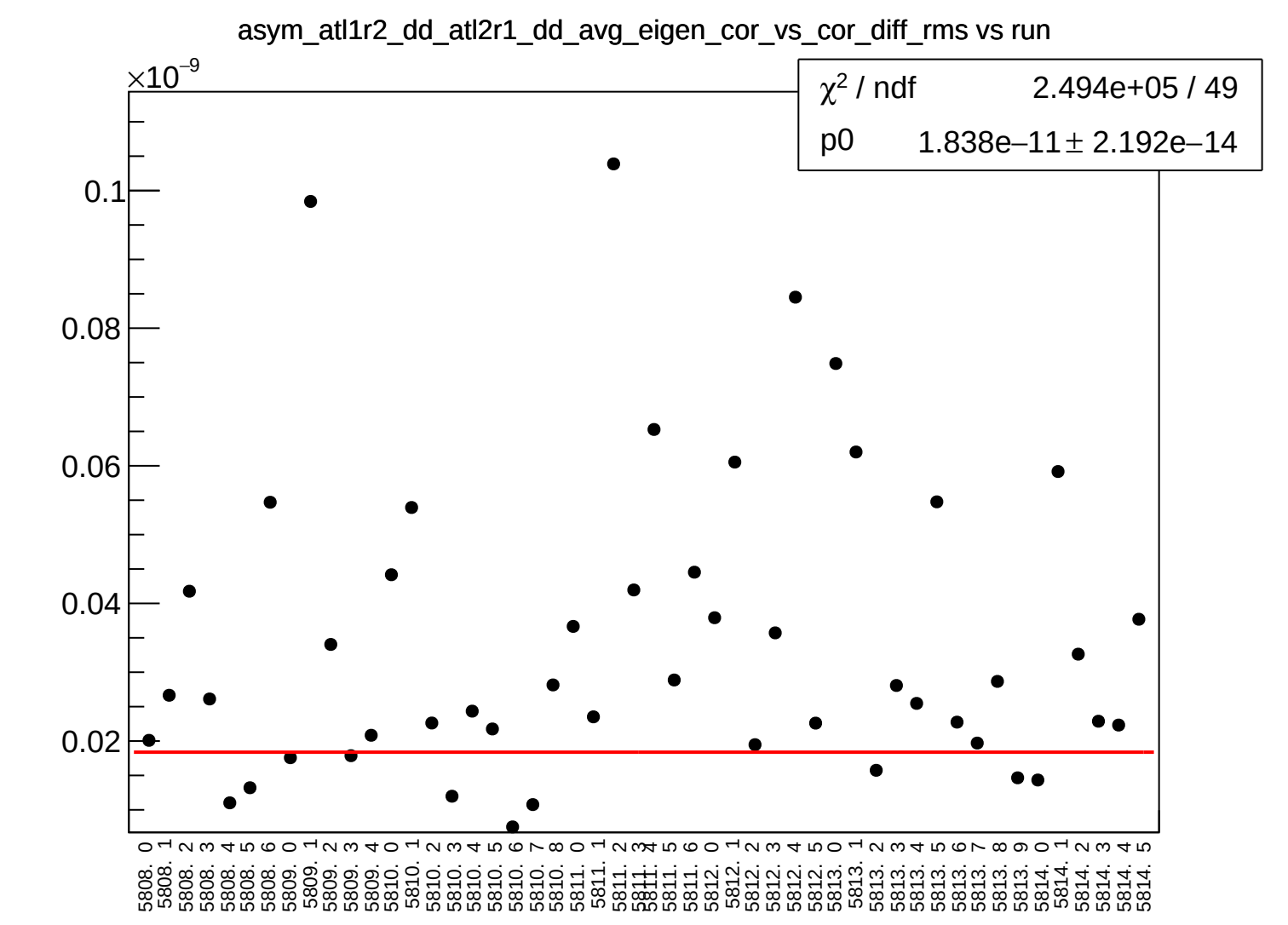

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.12 / 49
p0 2.264e−14 ± 3.1e−14
pull
Entries 50
Mean 29.06
Std Dev 6.669
pull1D
Entries 50
Mean −0.1377
Std Dev 1.021


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.494e+05 / 49
p0 1.838e−11 ± 2.192e−14
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5814. 0
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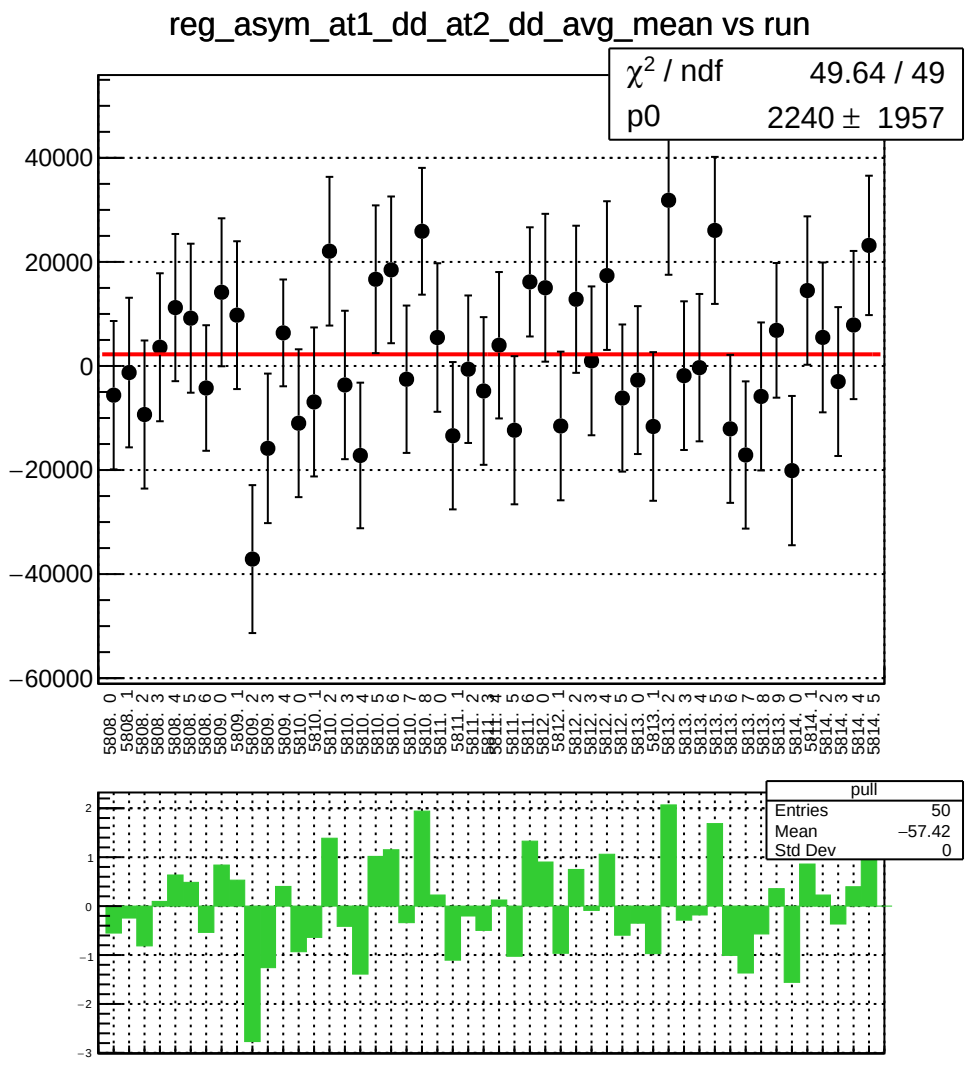
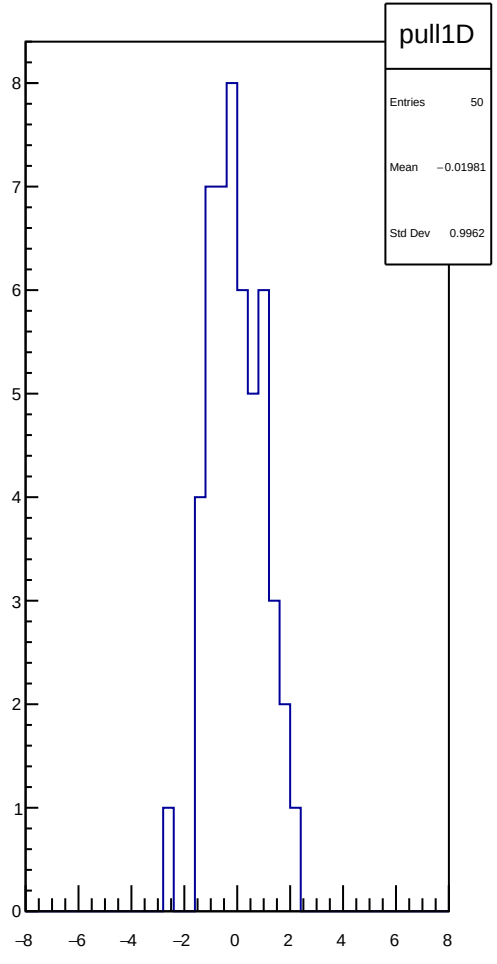
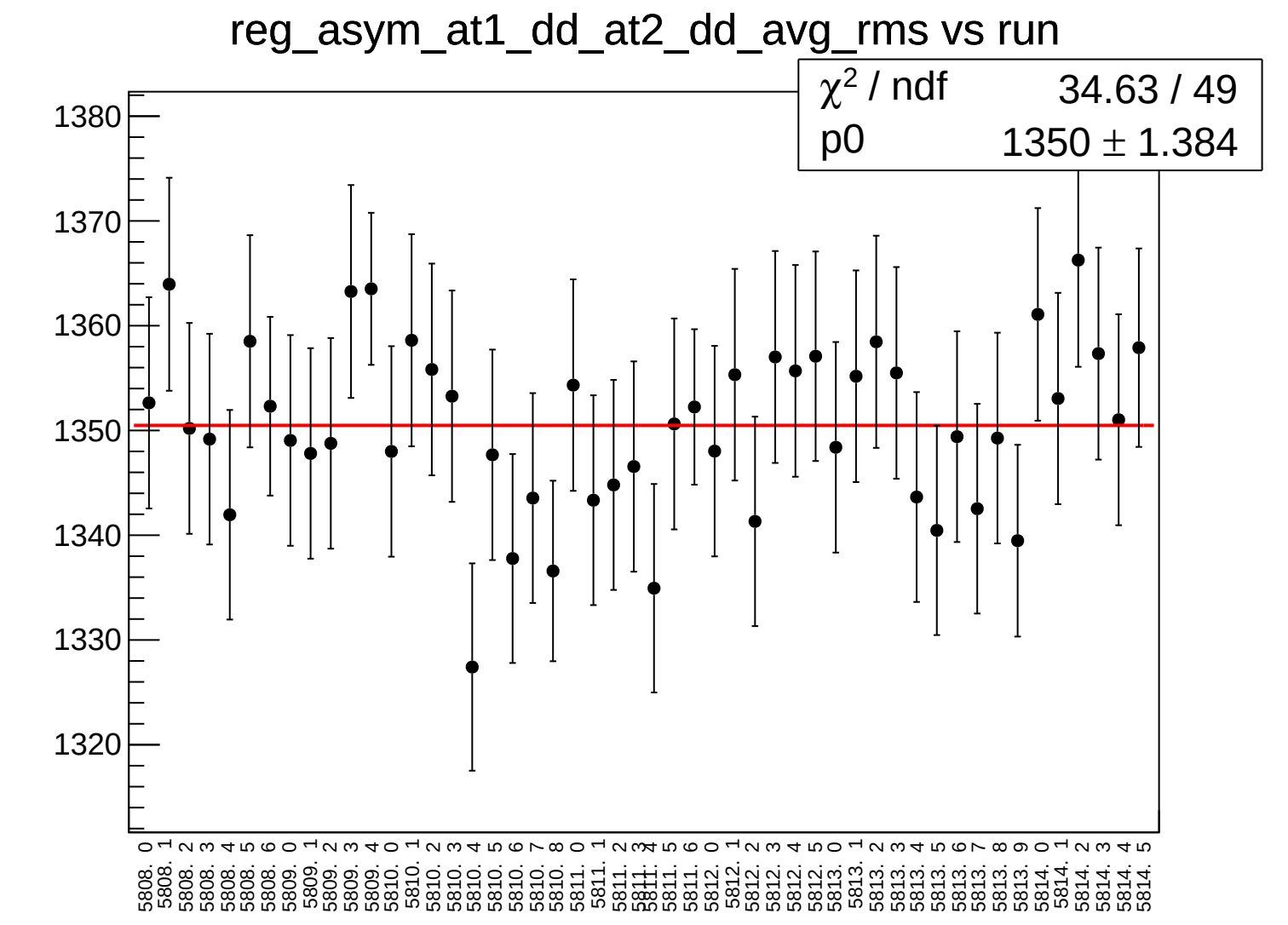
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.64 / 49
p0 2240 ± 1957
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −57.42
Std Dev 0


pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962


reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
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5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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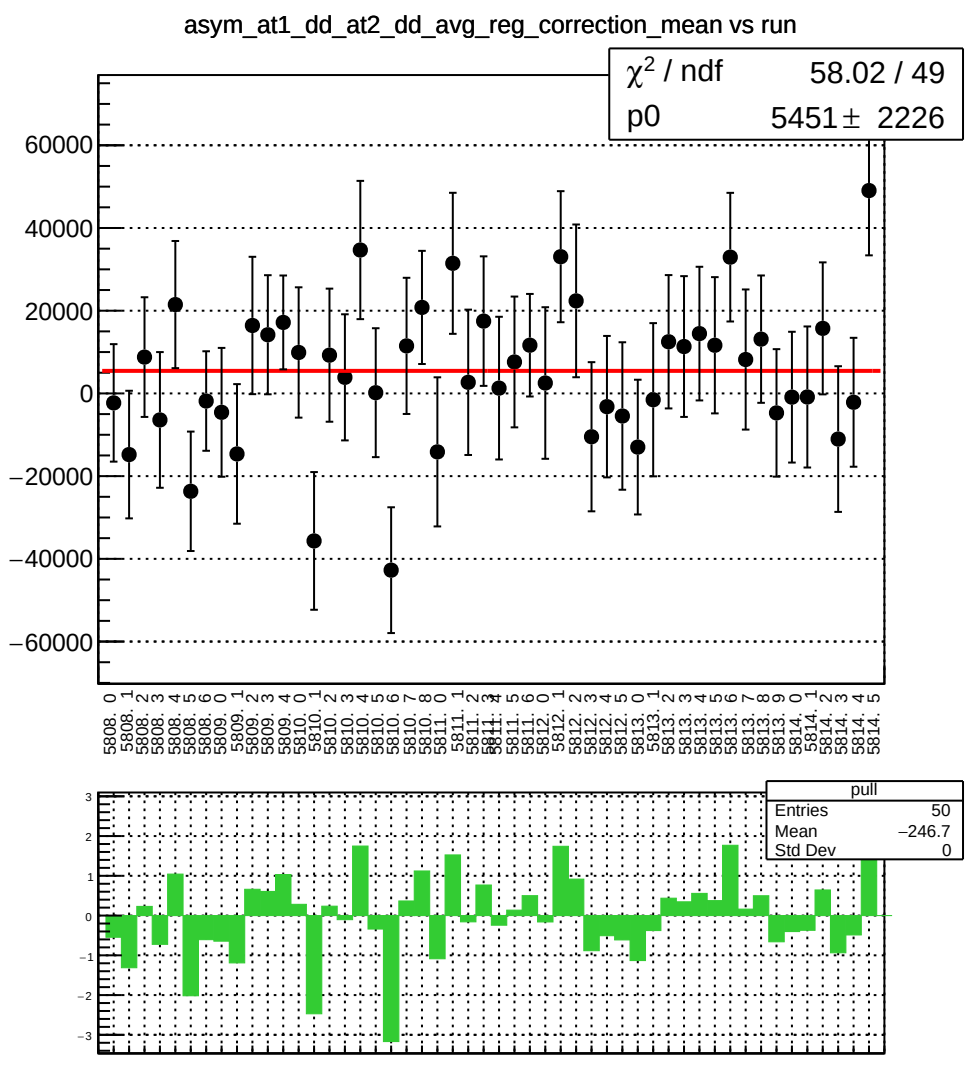
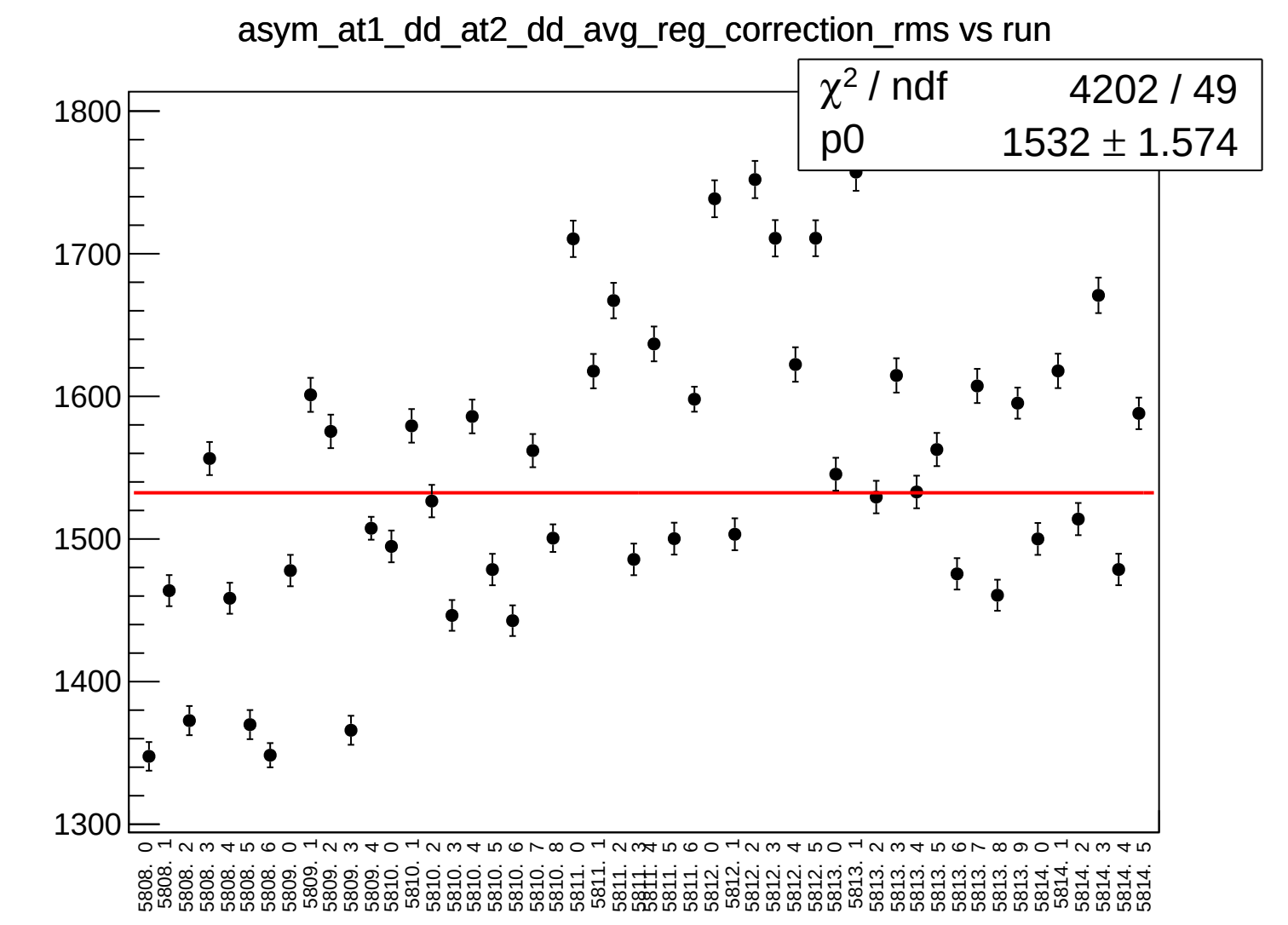
5814. 4
5814. 5


asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5451 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −246.7
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01275
Std Dev 1.077
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 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5812. 2
5812. 3
5812. 4
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5813. 0
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5813. 2
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5813. 4
5813. 5
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5813. 9
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5814. 2
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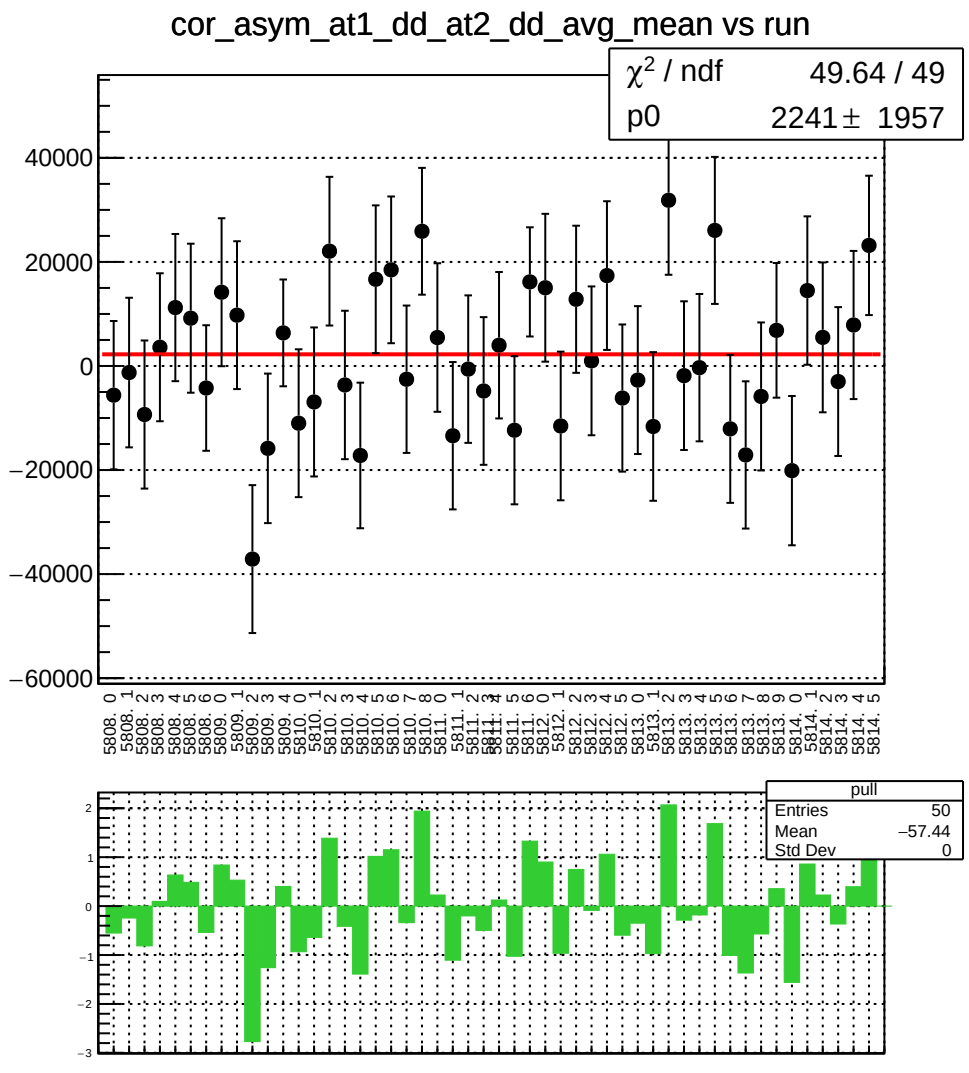
5814. 4
5814. 5


cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.64 / 49
p0 2241 ± 1957
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
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5812. 1
5812. 2
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5813. 1
5813. 2
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5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −57.44
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
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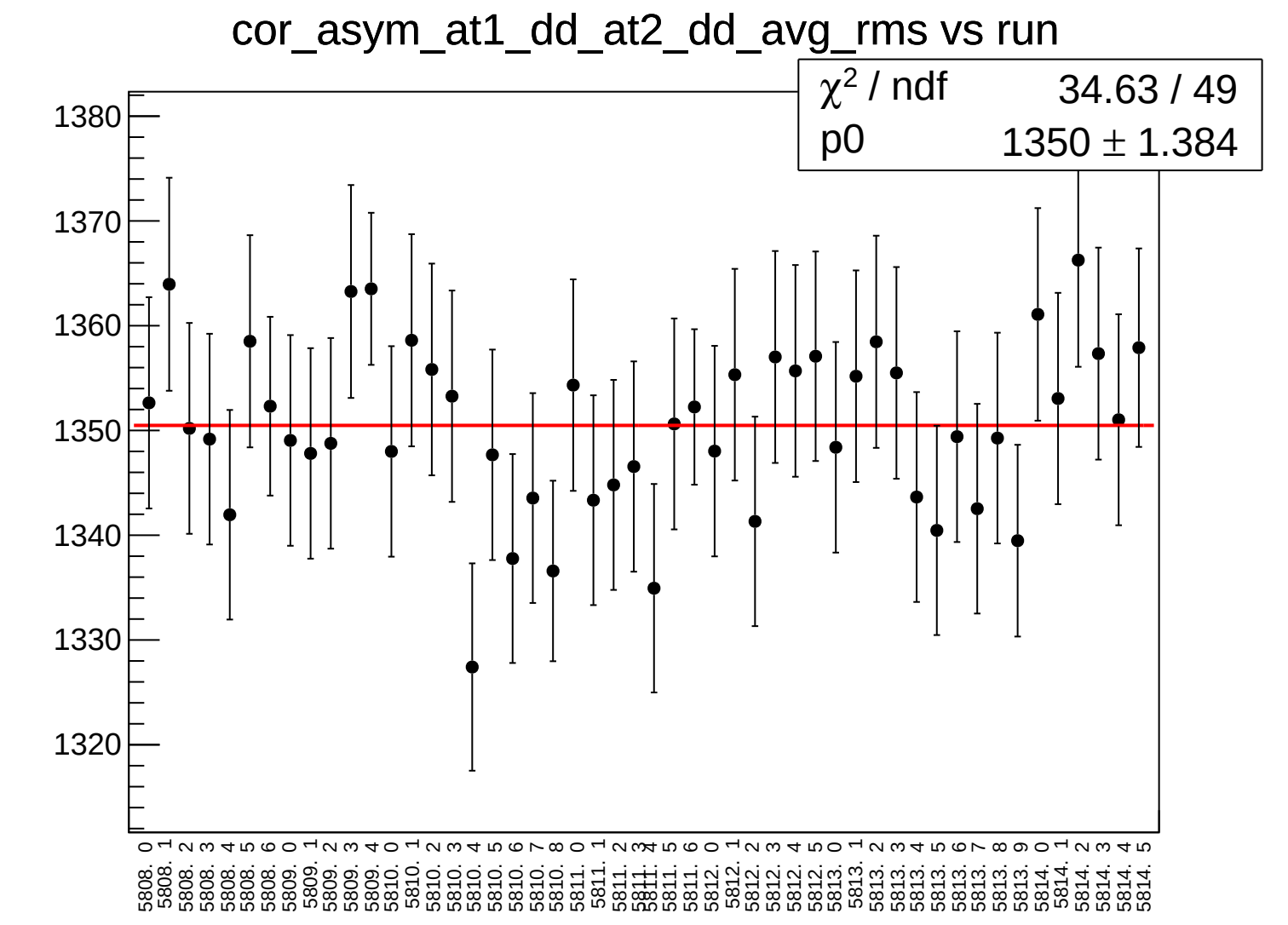
2
4
6
8


cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
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5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5813. 5
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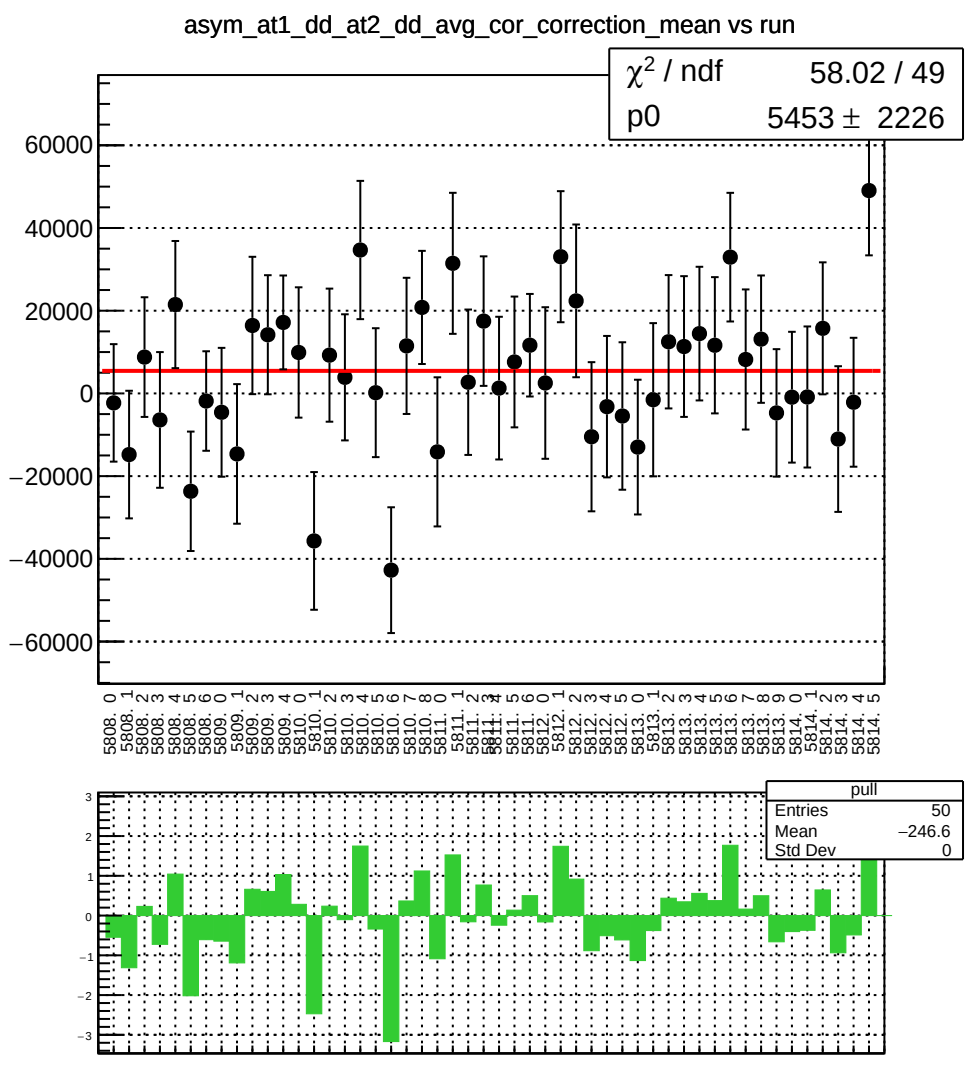
5814. 5


asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5453 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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5811. 2
5811. 3
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −246.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01276
Std Dev 1.077
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−4
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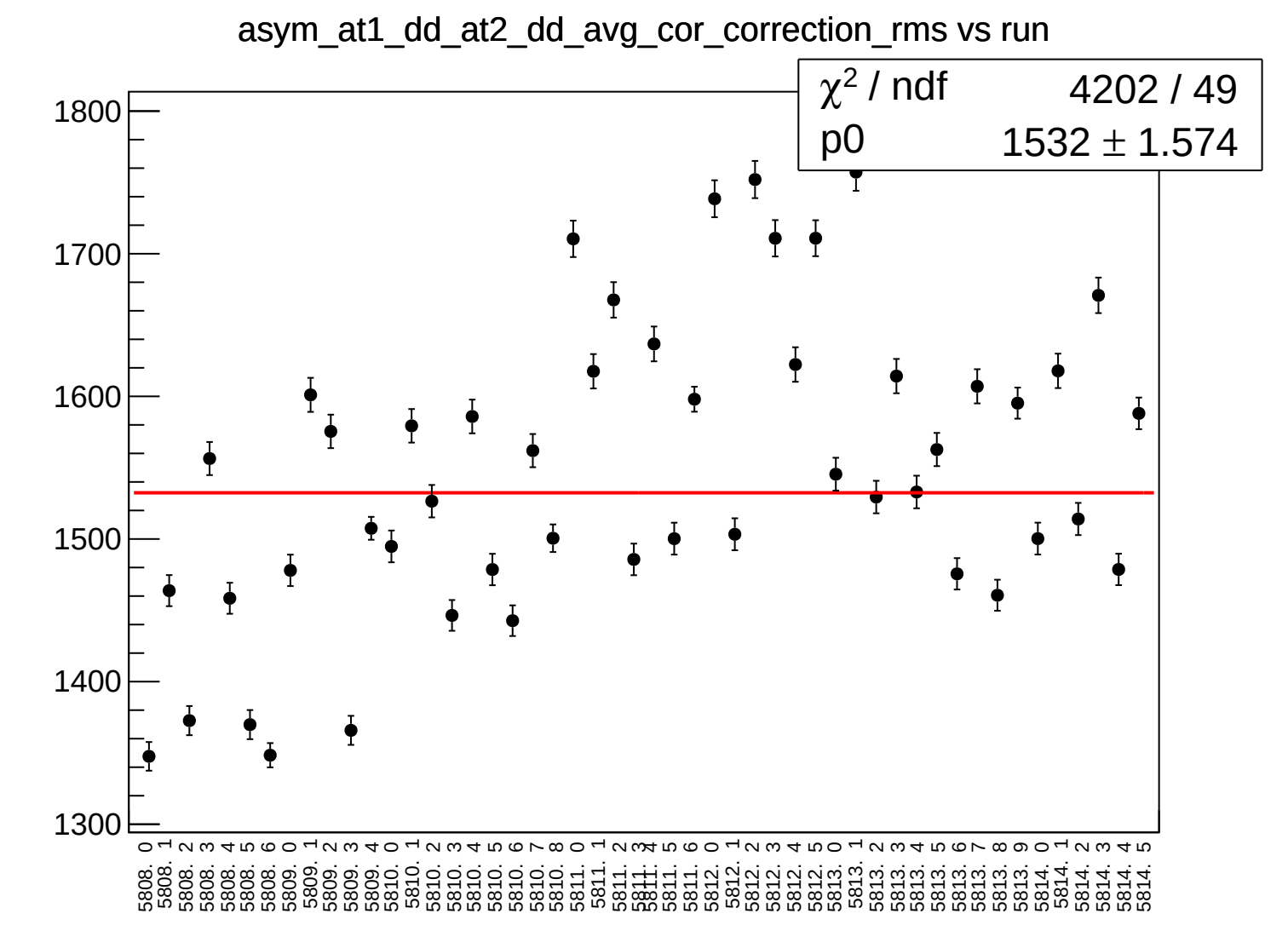
0
2
4
6
8


asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
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5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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5809. 2
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5810. 0
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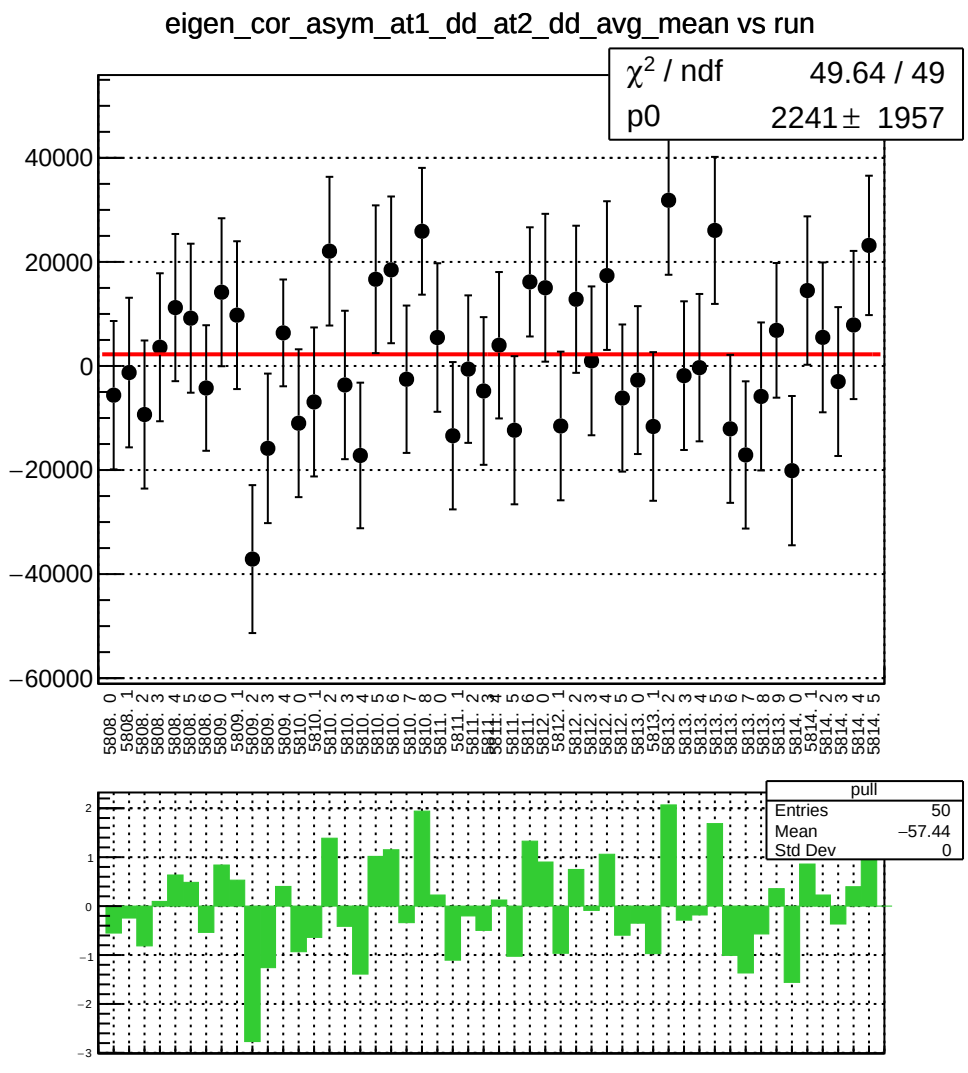
eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.64 / 49
p0 2241 ± 1957
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −57.44
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01981
Std Dev 0.9962
8
7
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5
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3
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1
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−8
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−4
−2
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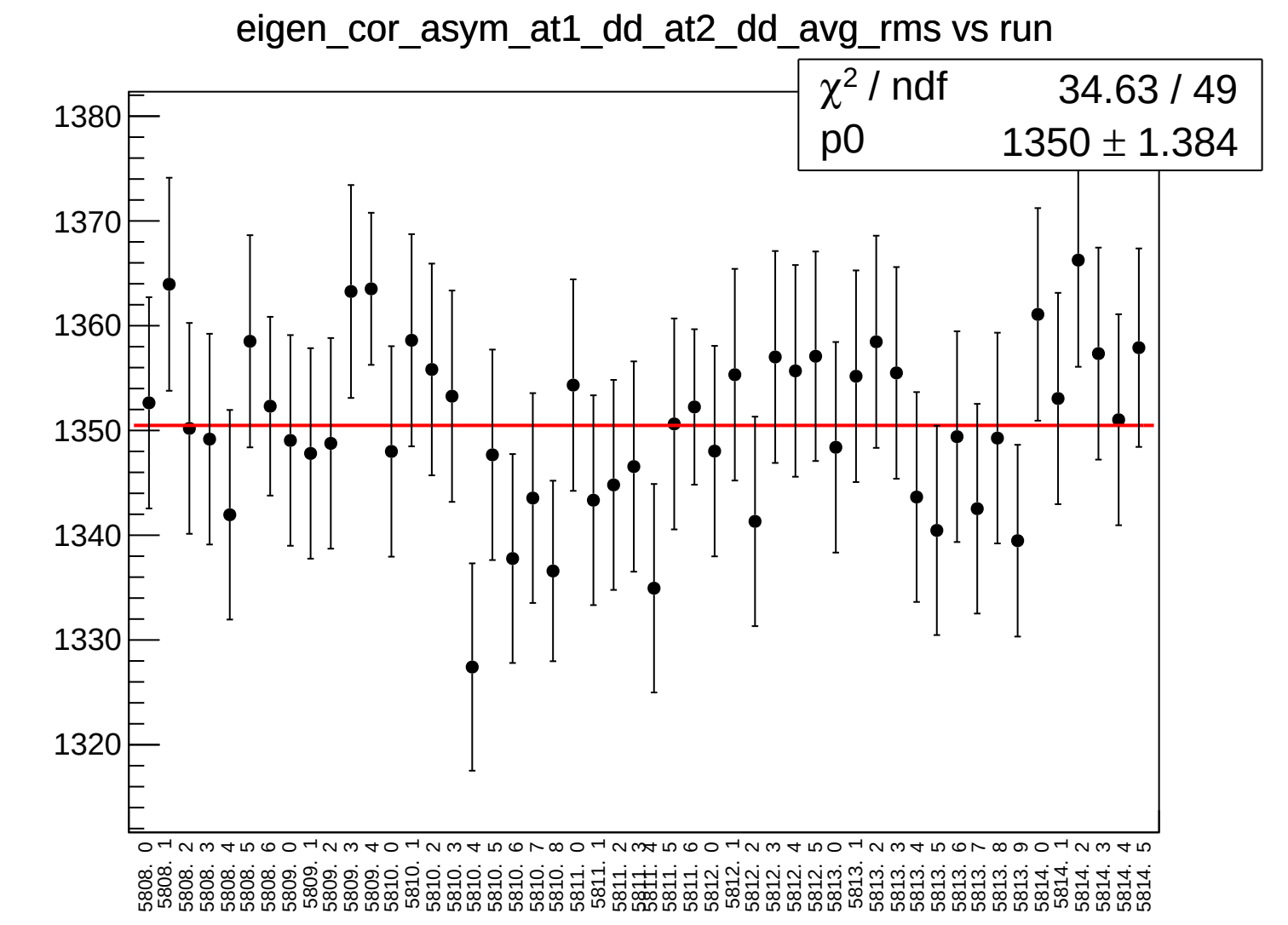
2
4
6
8


eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 34.63 / 49
p0 1350 ± 1.384
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
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5809. 3
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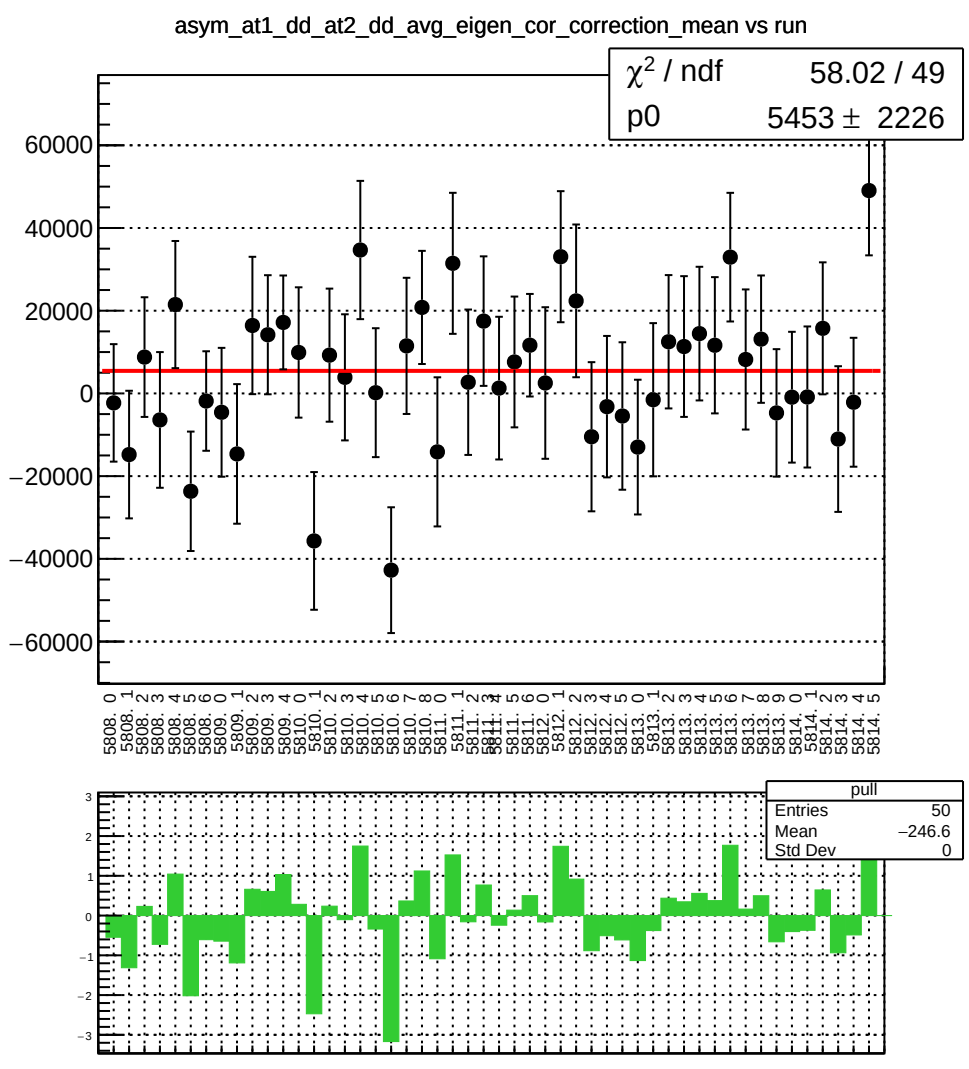
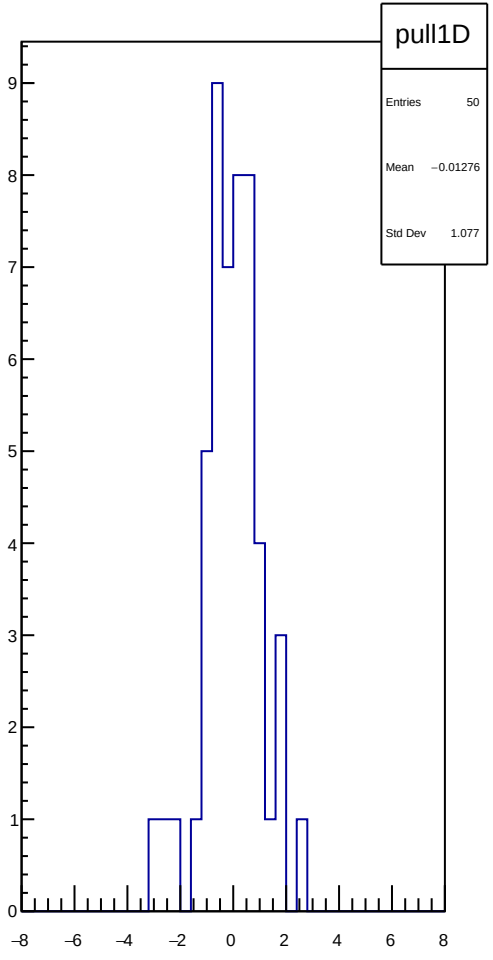
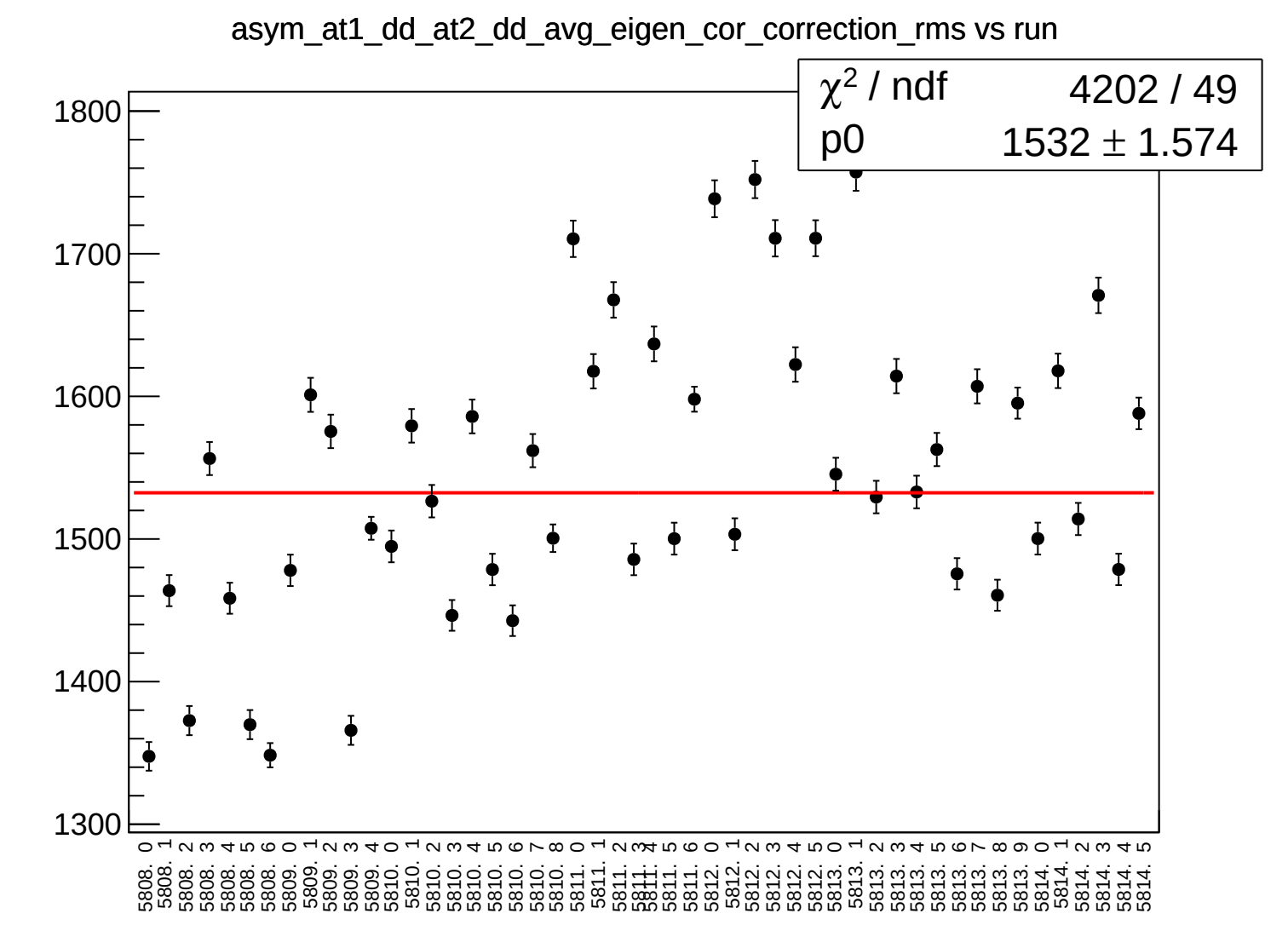
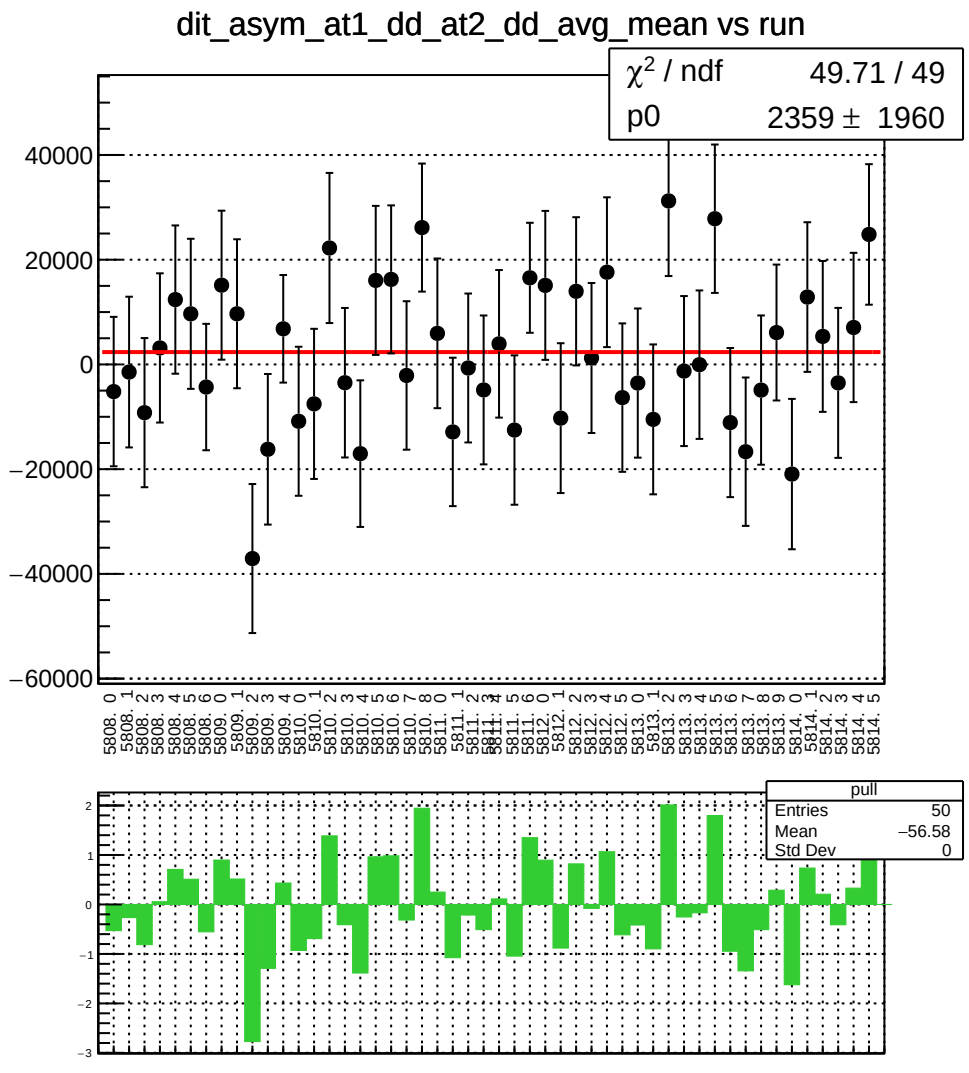
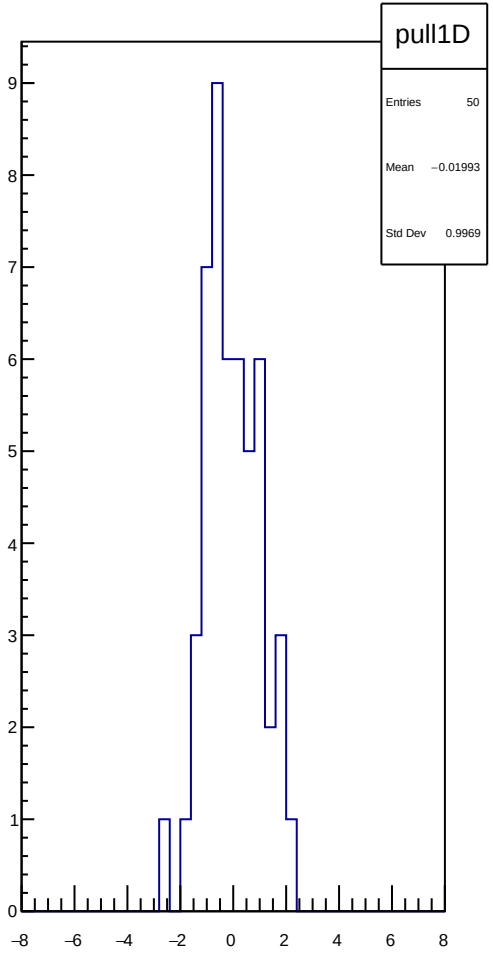
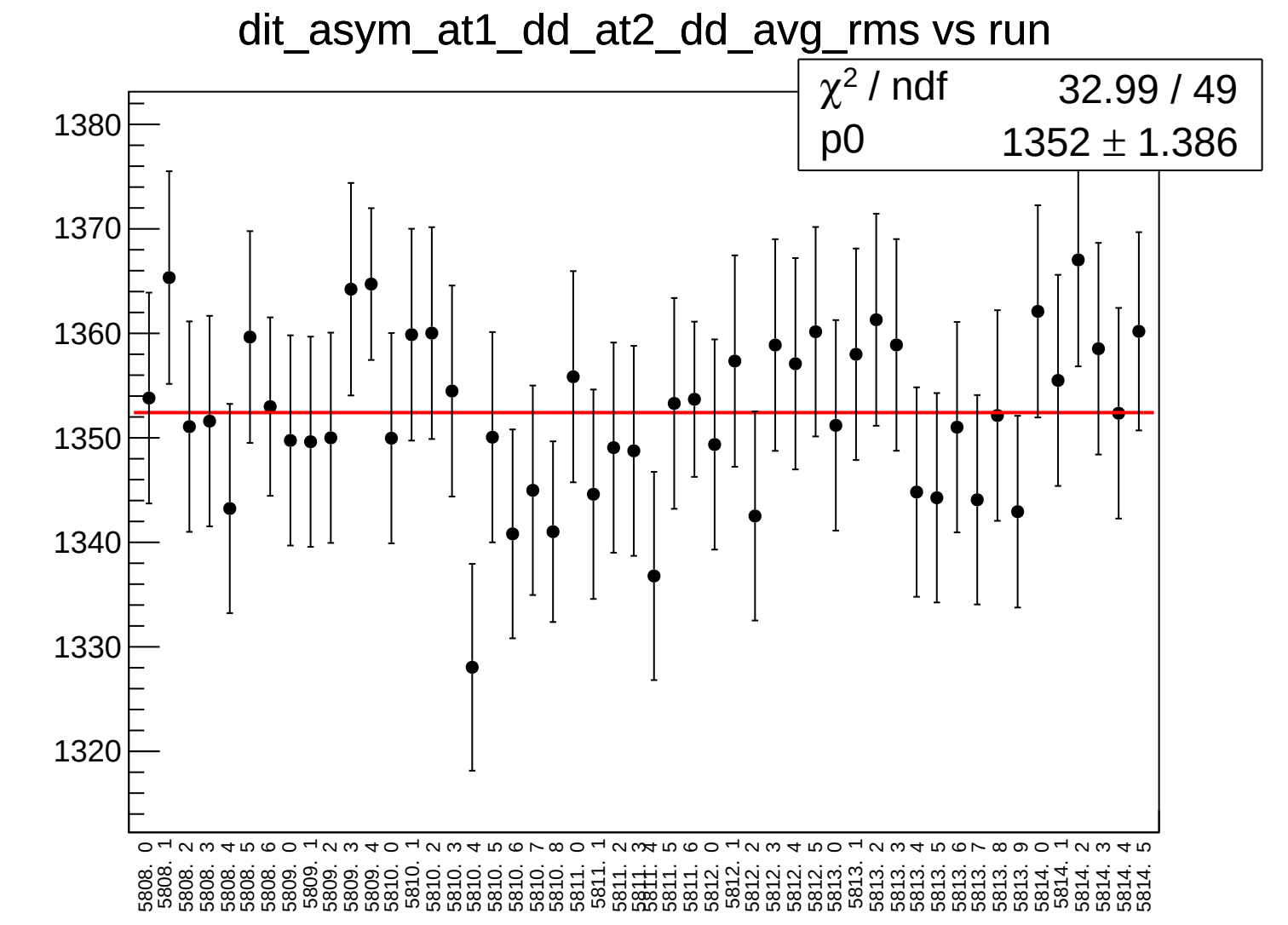

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.02 / 49
p0 5453 ± 2226
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −246.6
Std Dev 0
3
2
1
0
−1
−2
−3

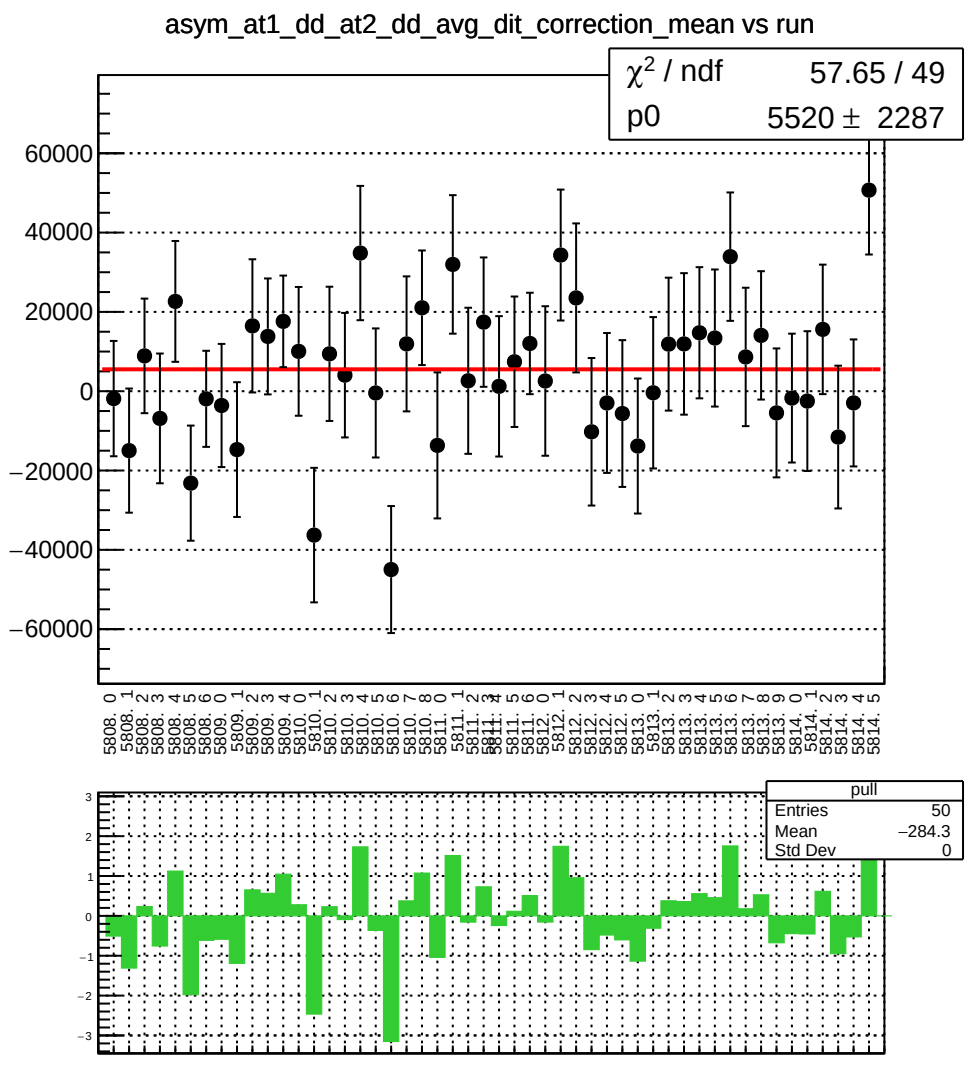

pull1D
Entries 50
Mean −0.01276
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

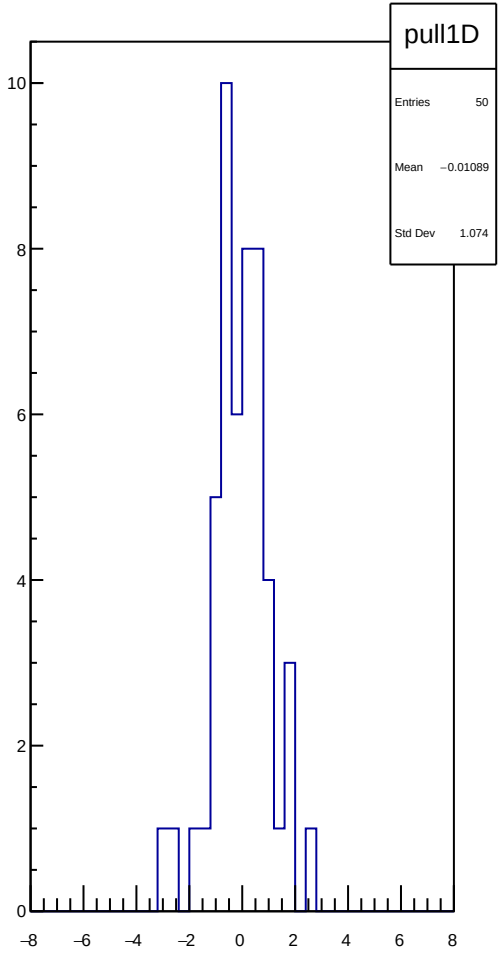

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4202 / 49
p0 1532 ± 1.574
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

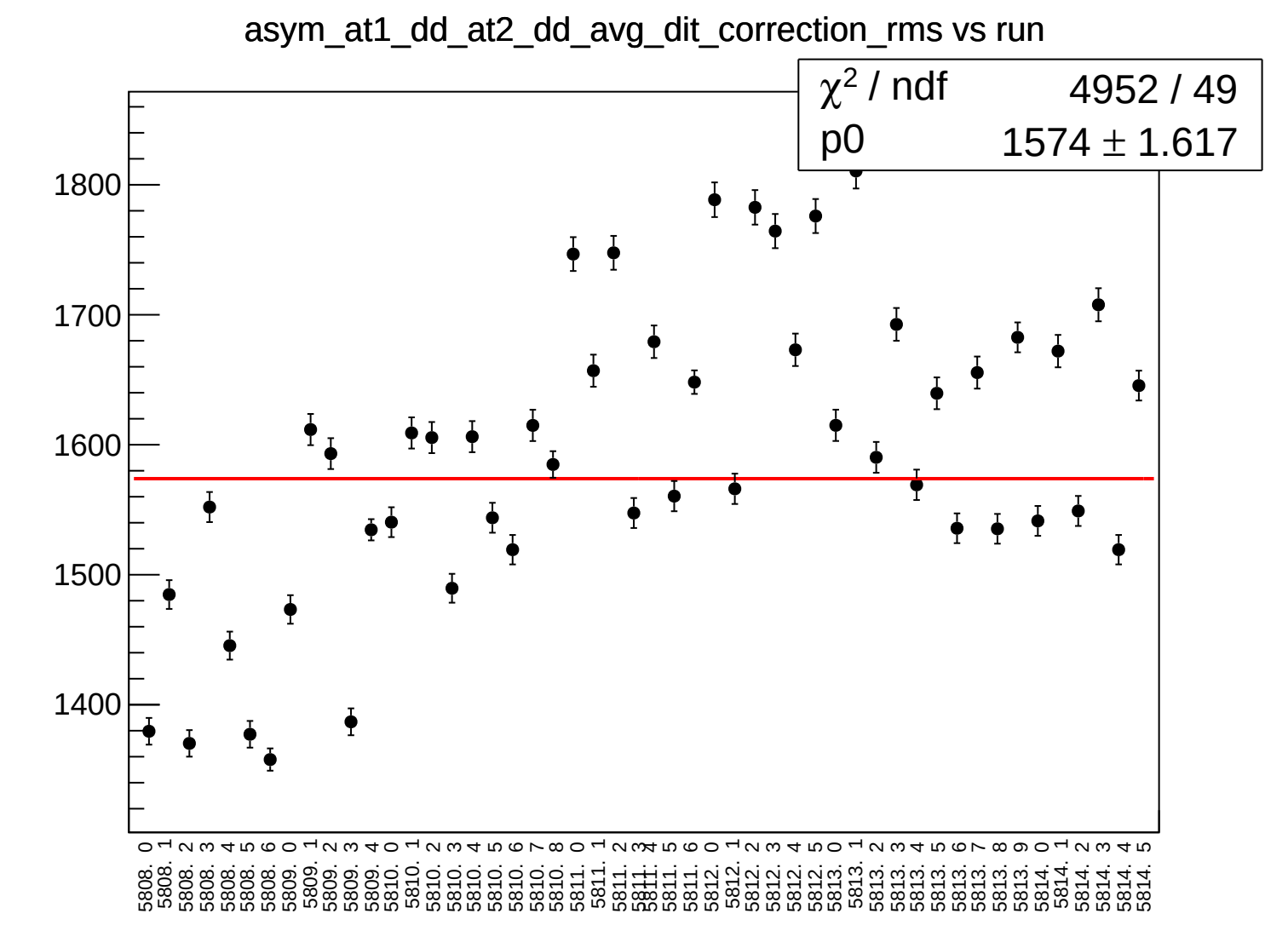

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.71 / 49
p0 2359 ± 1960
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −56.58
Std Dev 0
2
1
0
−1
−2
−3

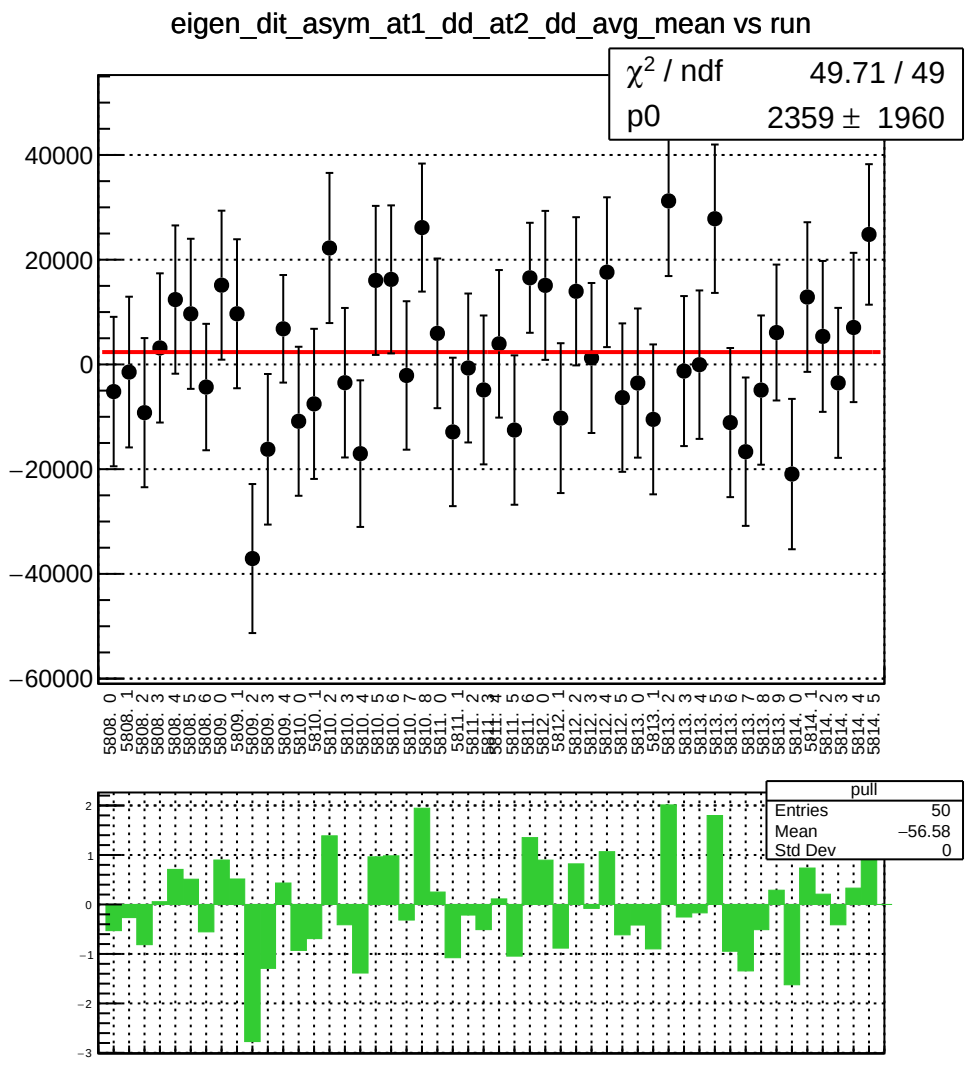

pull1D
Entries 50
Mean −0.01993
Std Dev 0.9969
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

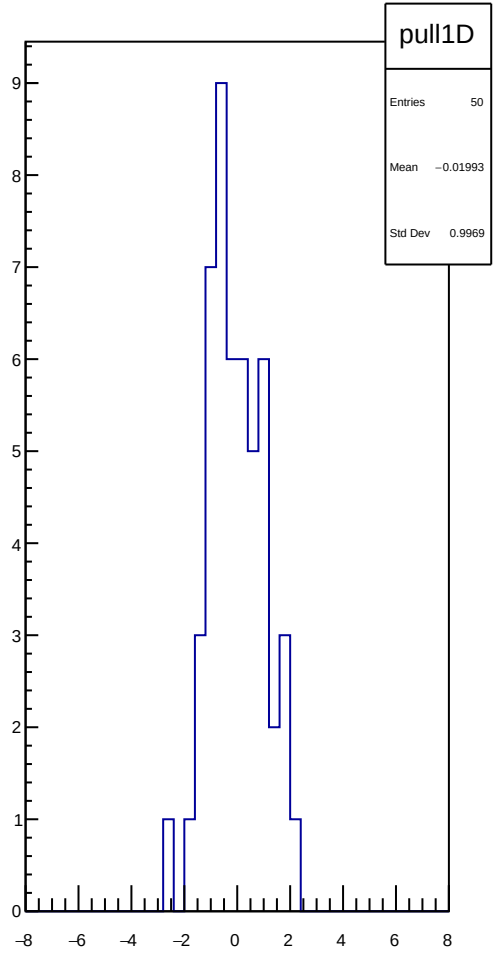

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 32.99 / 49
p0 1352 ± 1.386
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

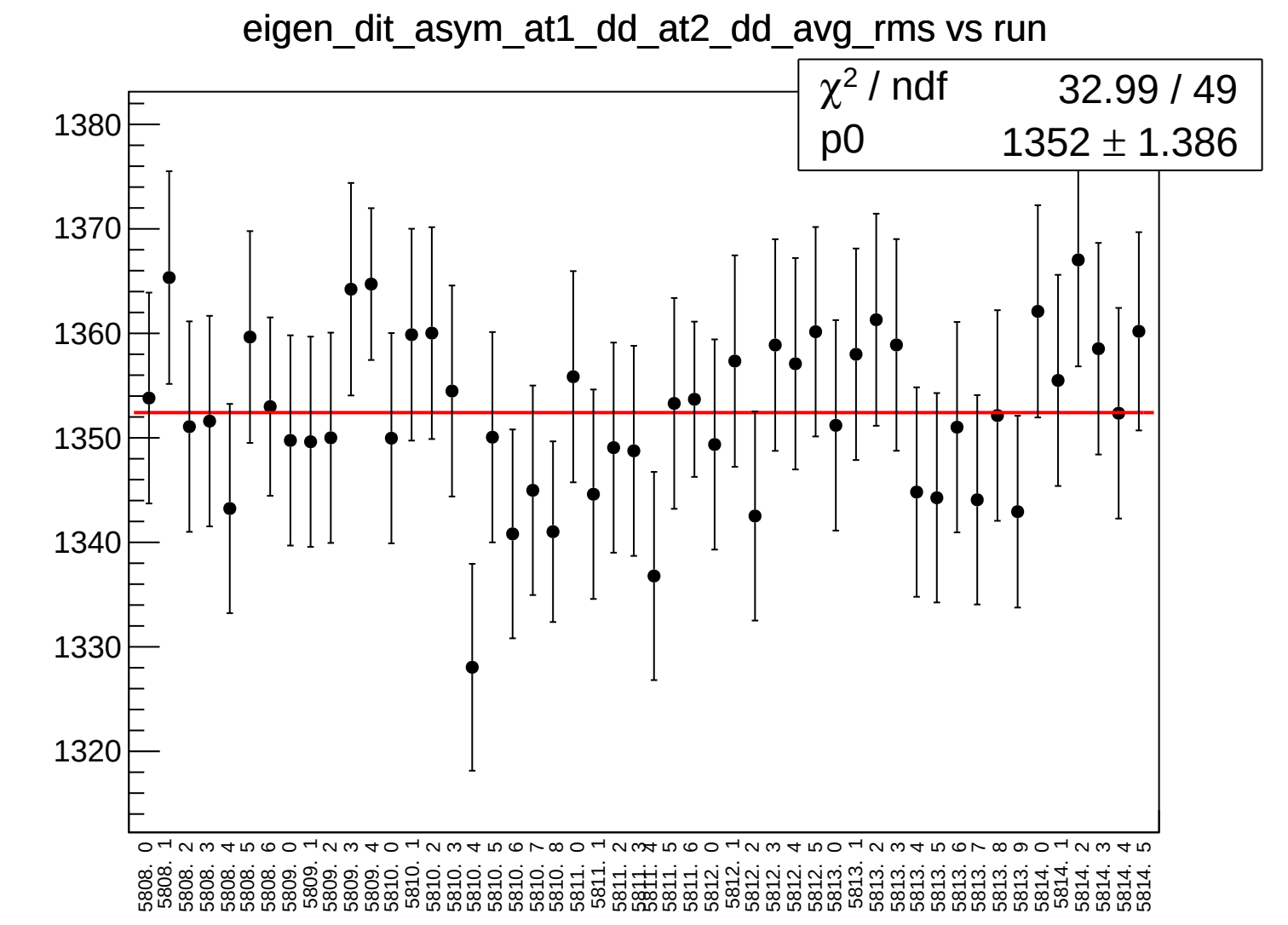

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 57.65 / 49
p0 5520 ± 2287
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −284.3
Std Dev 0
3
2
1
0
−1
−2
−3

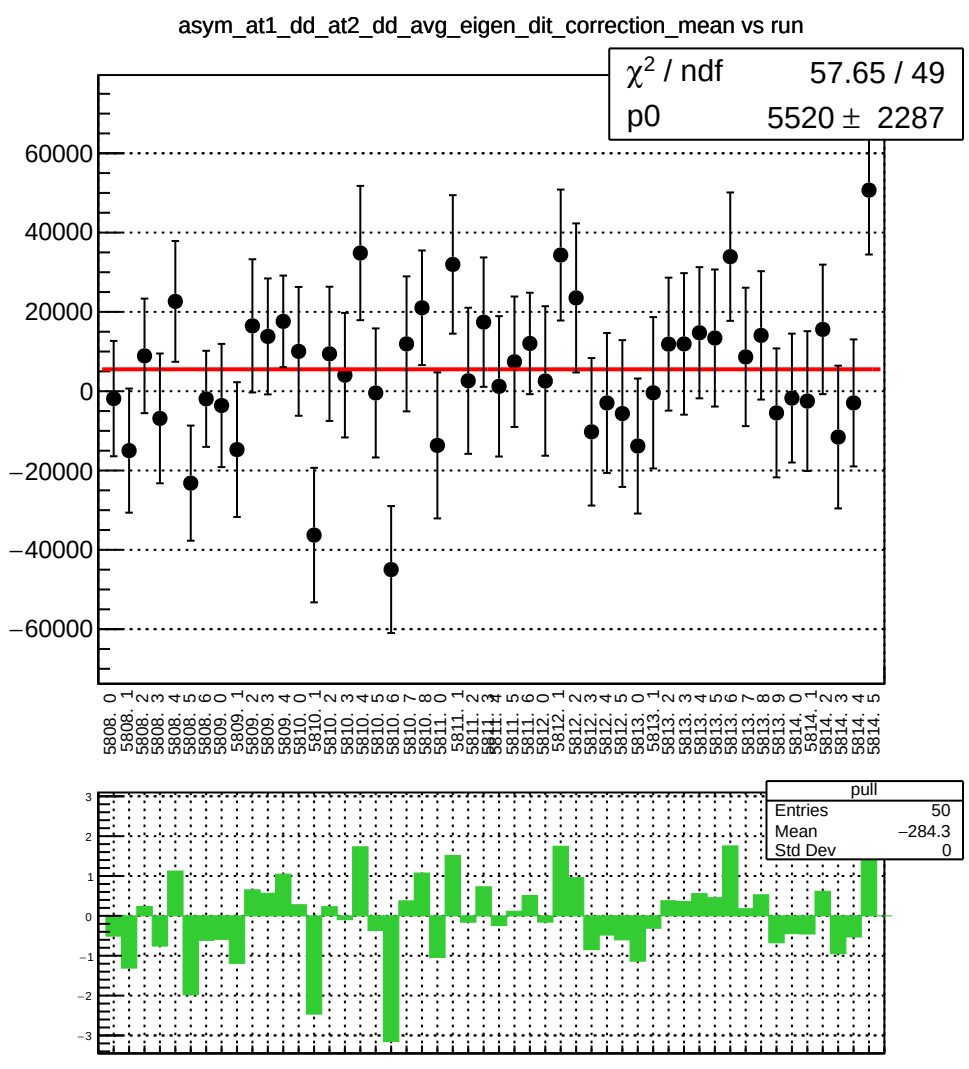

pull1D
Entries 50
Mean −0.01089
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

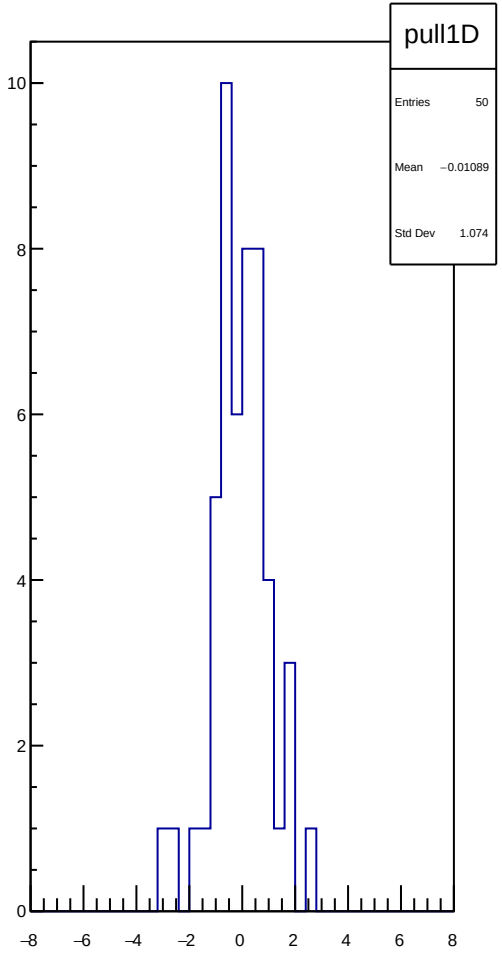

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 4952 / 49
p0 1574 ± 1.617
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

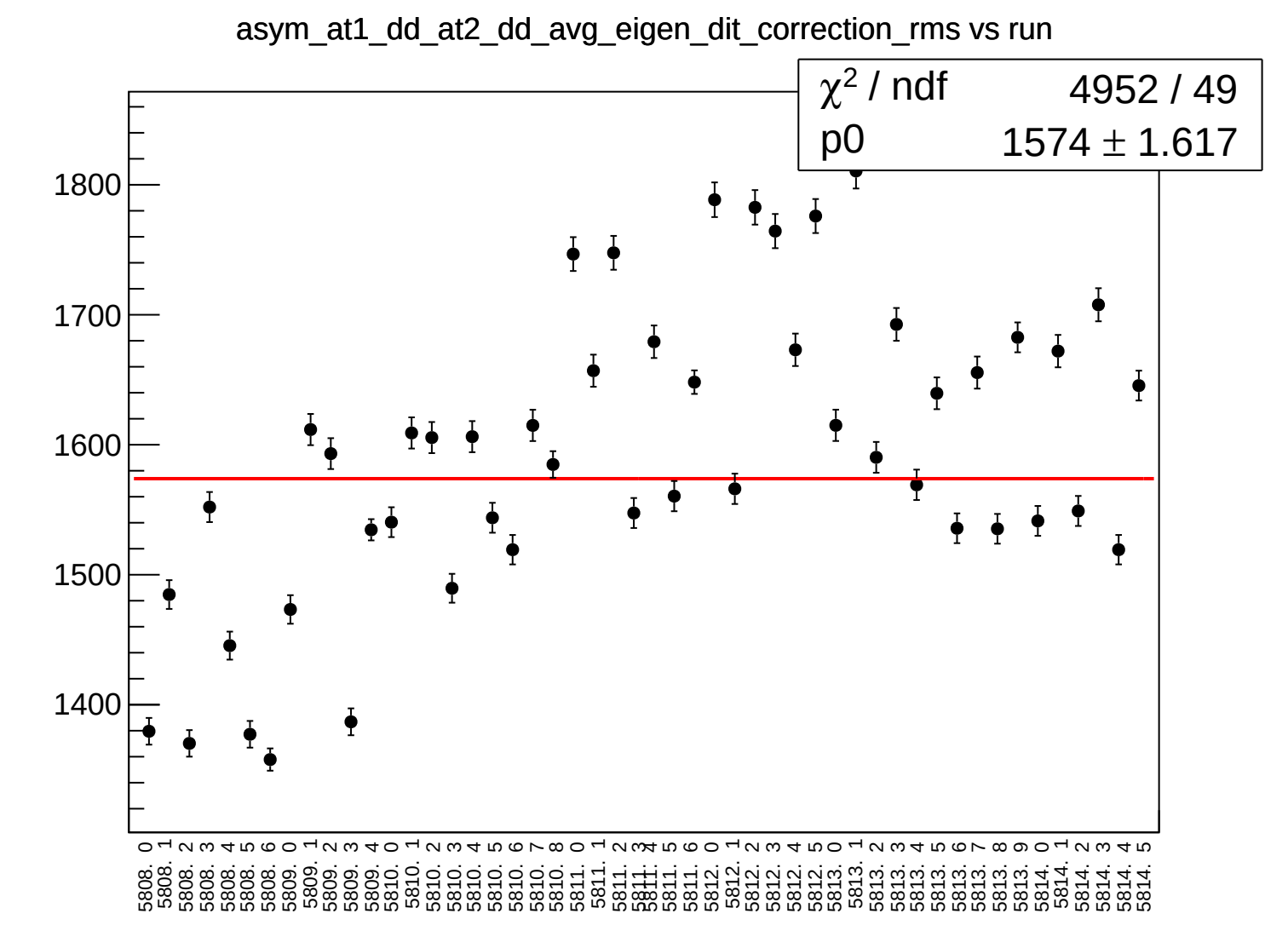

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 49.71 / 49
p0 2359 ± 1960
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −56.58
Std Dev 0
2
1
0
−1
−2
−3

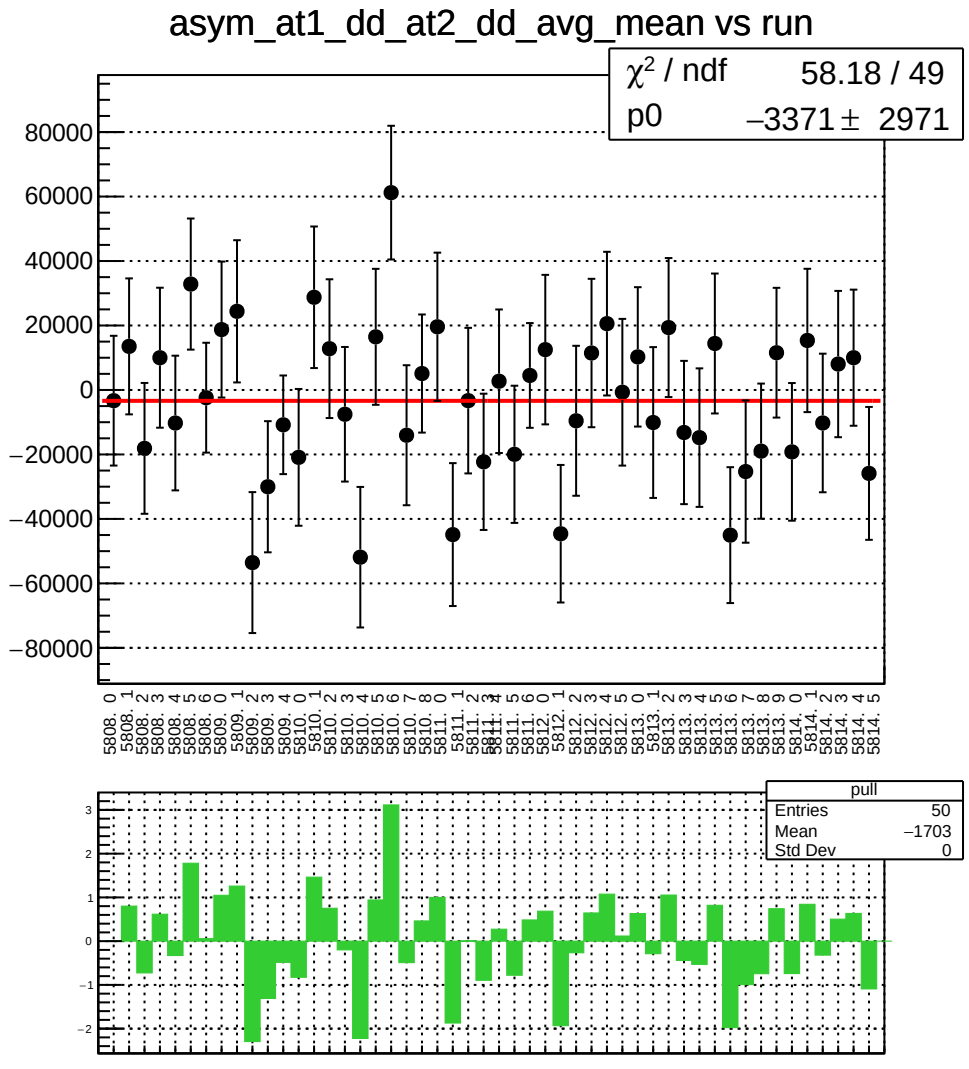

pull1D
Entries 50
Mean −0.01993
Std Dev 0.9969
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

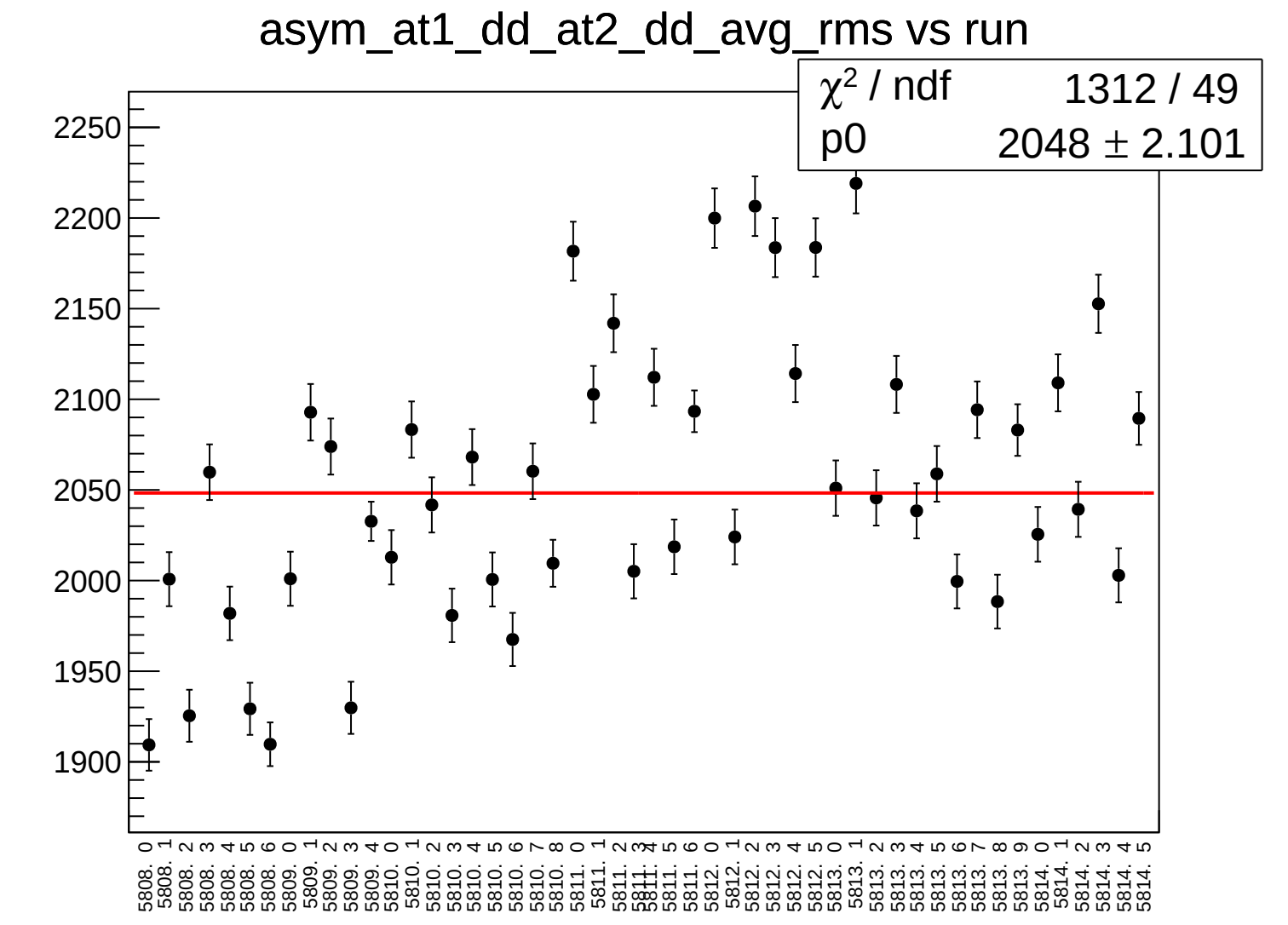

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 32.99 / 49
p0 1352 ± 1.386
1380
1370
1360
1350
1340
1330
1320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

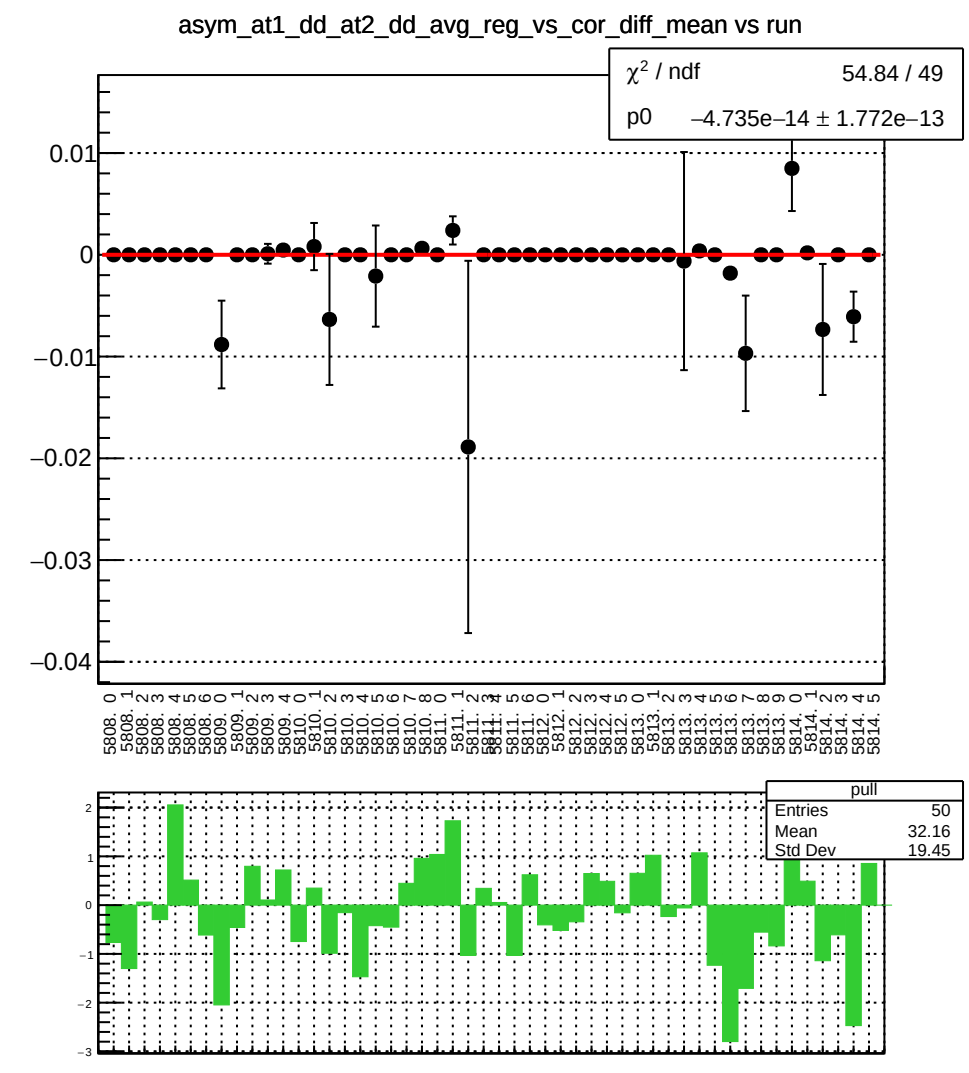

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.65 / 49
p0 5520 ± 2287
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −284.3
Std Dev 0
3
2
1
0
−1
−2
−3

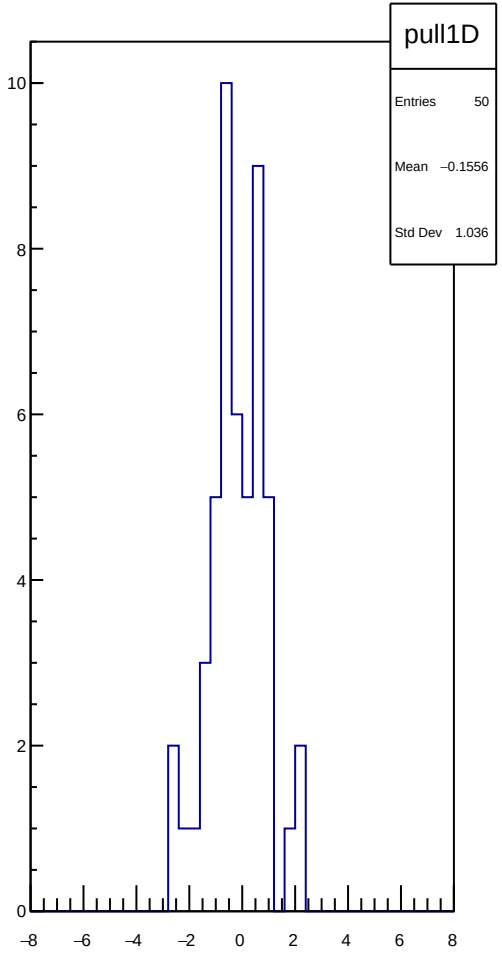

pull1D
Entries 50
Mean −0.01089
Std Dev 1.074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

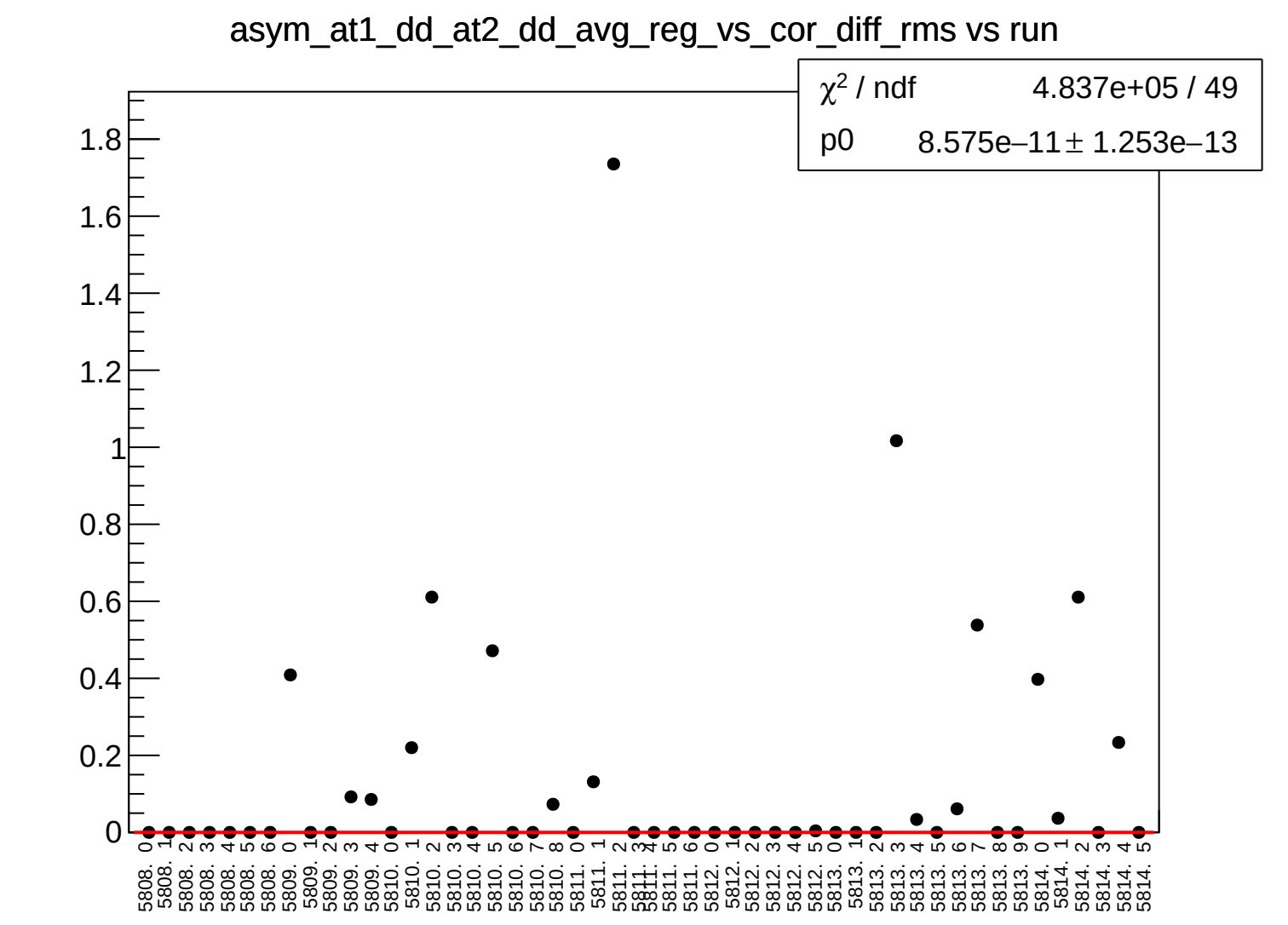

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 4952 / 49
p0 1574 ± 1.617
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

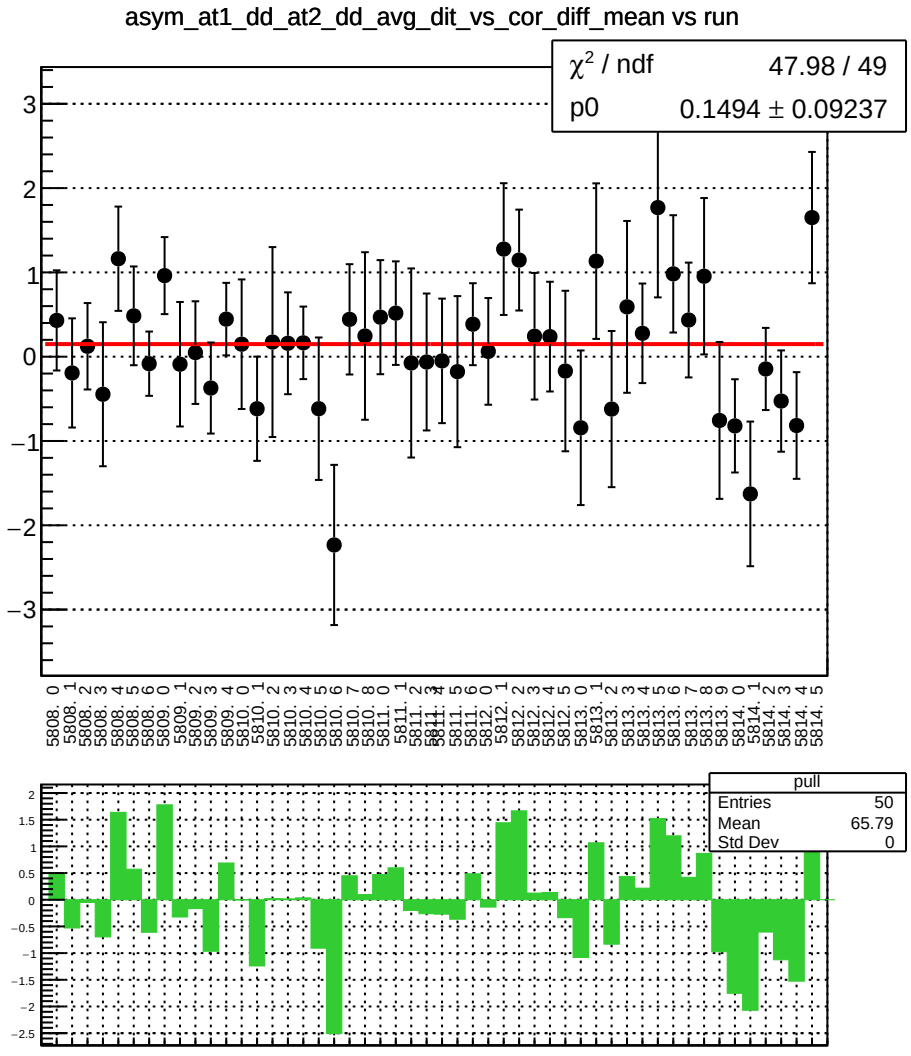

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 58.18 / 49
p0 −3371 ± 2971
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1703
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.0008381
Std Dev 1.079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

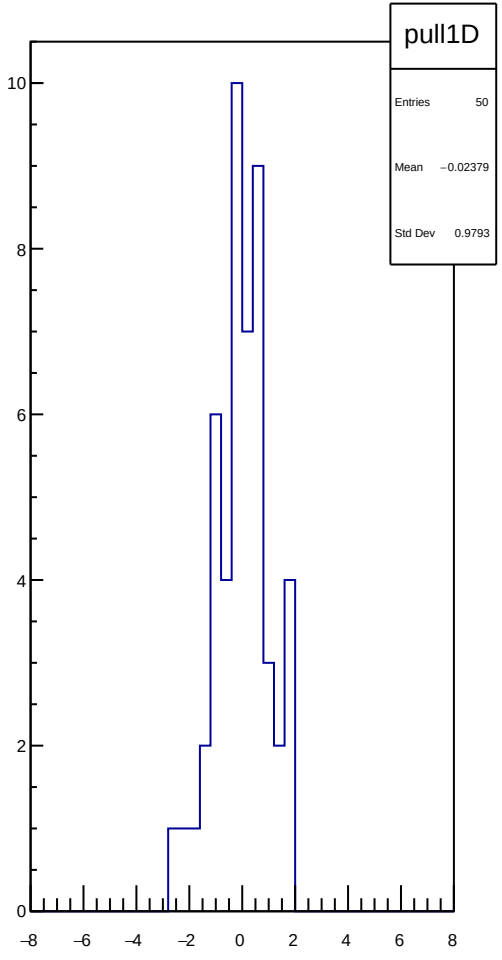

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 1312 / 49
p0 2048 ± 2.101
2250
2200
2150
2100
2050
2000
1950
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

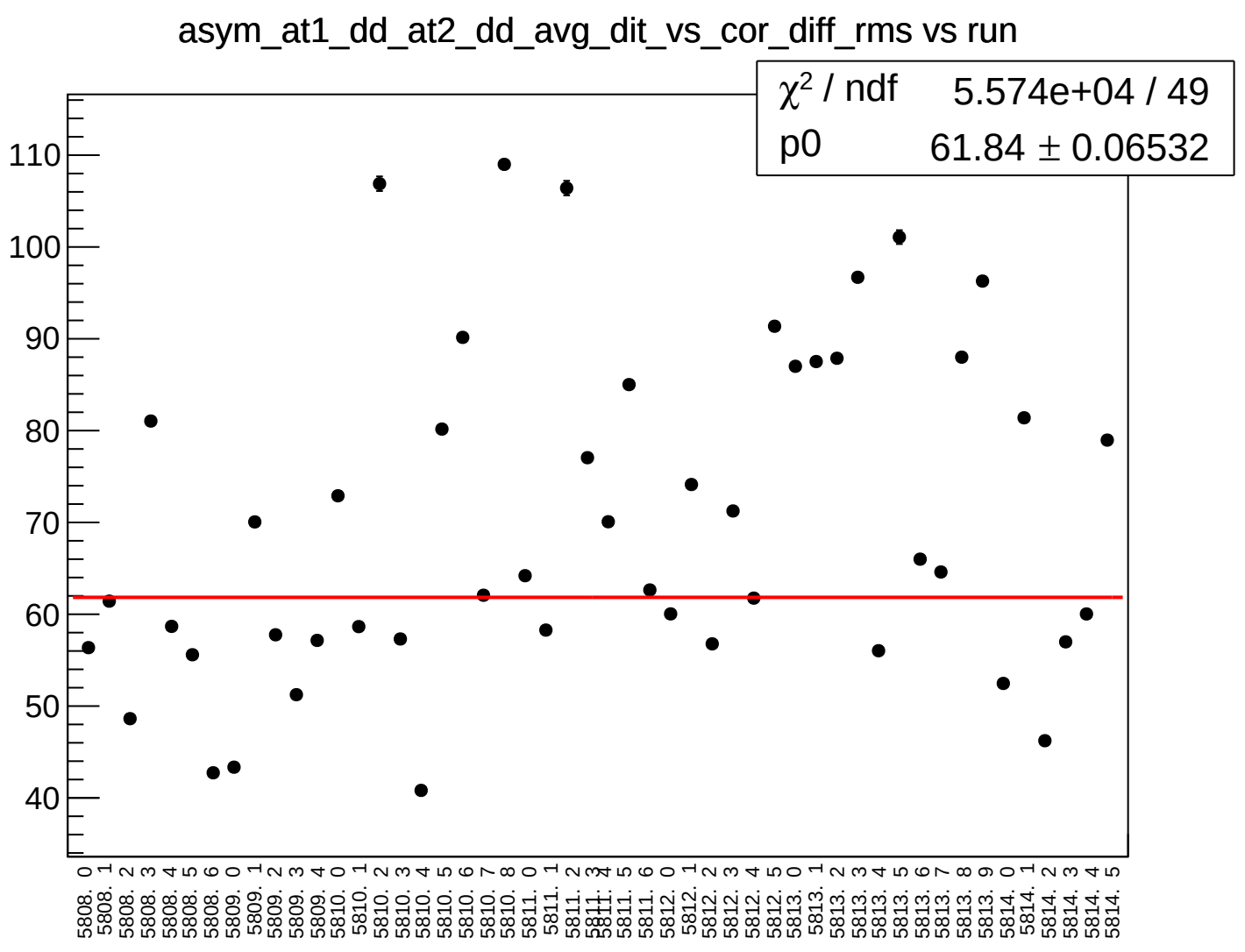

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.84 / 49
p0 −4.735e−14 ± 1.772e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 50
Mean 32.16
Std Dev 19.45
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.1556
Std Dev 1.036
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.837e+05 / 49
p0 8.575e−11 ± 1.253e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0


pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793


asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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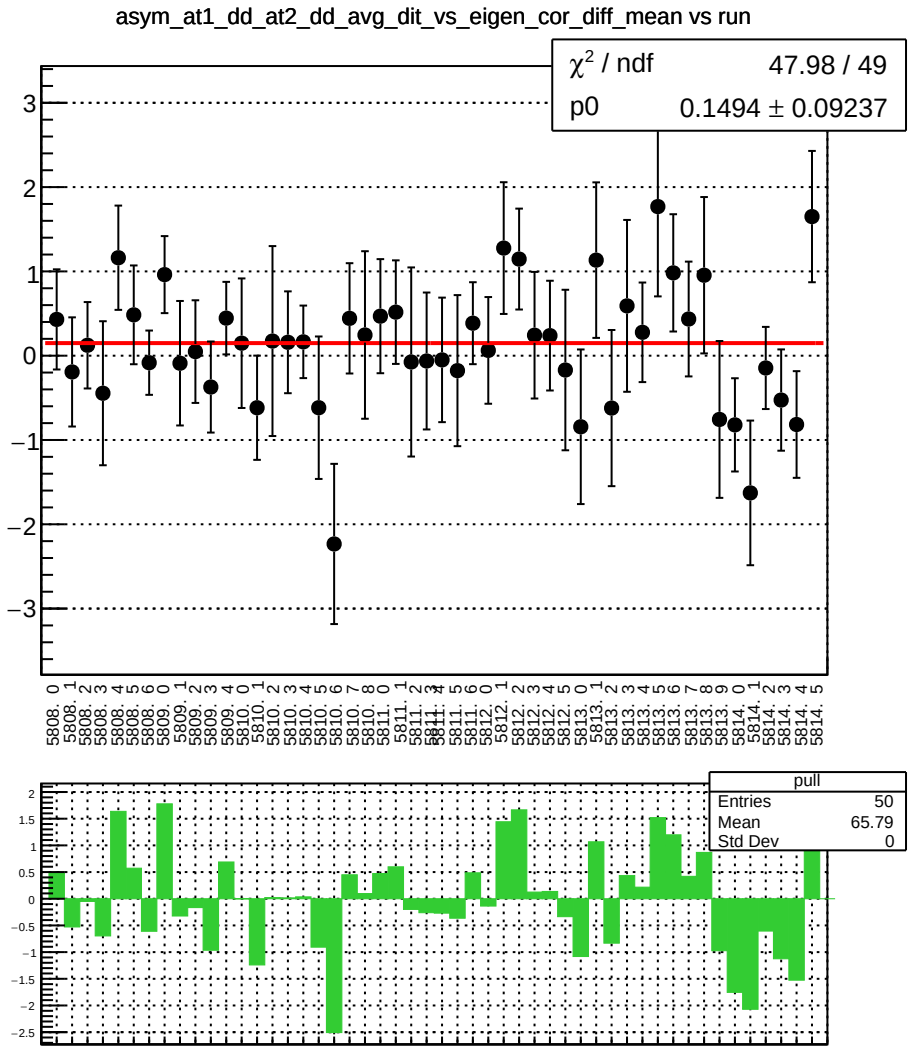
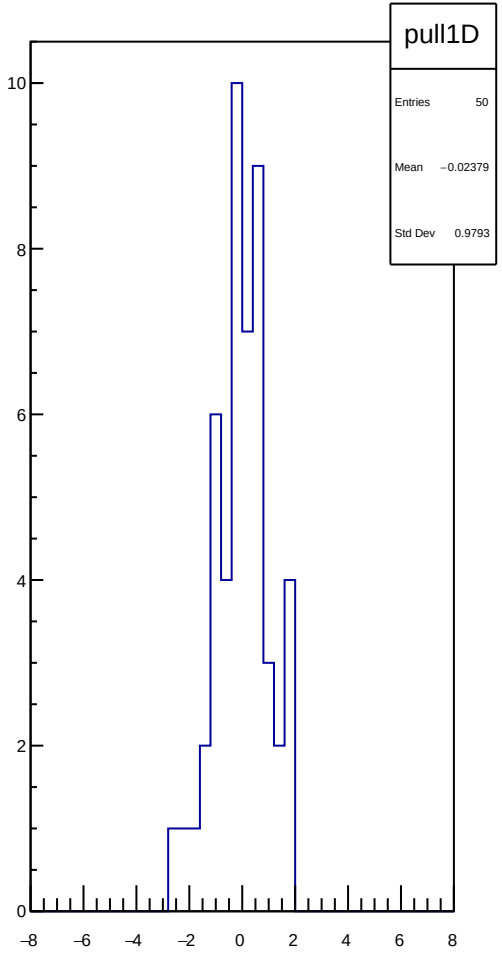
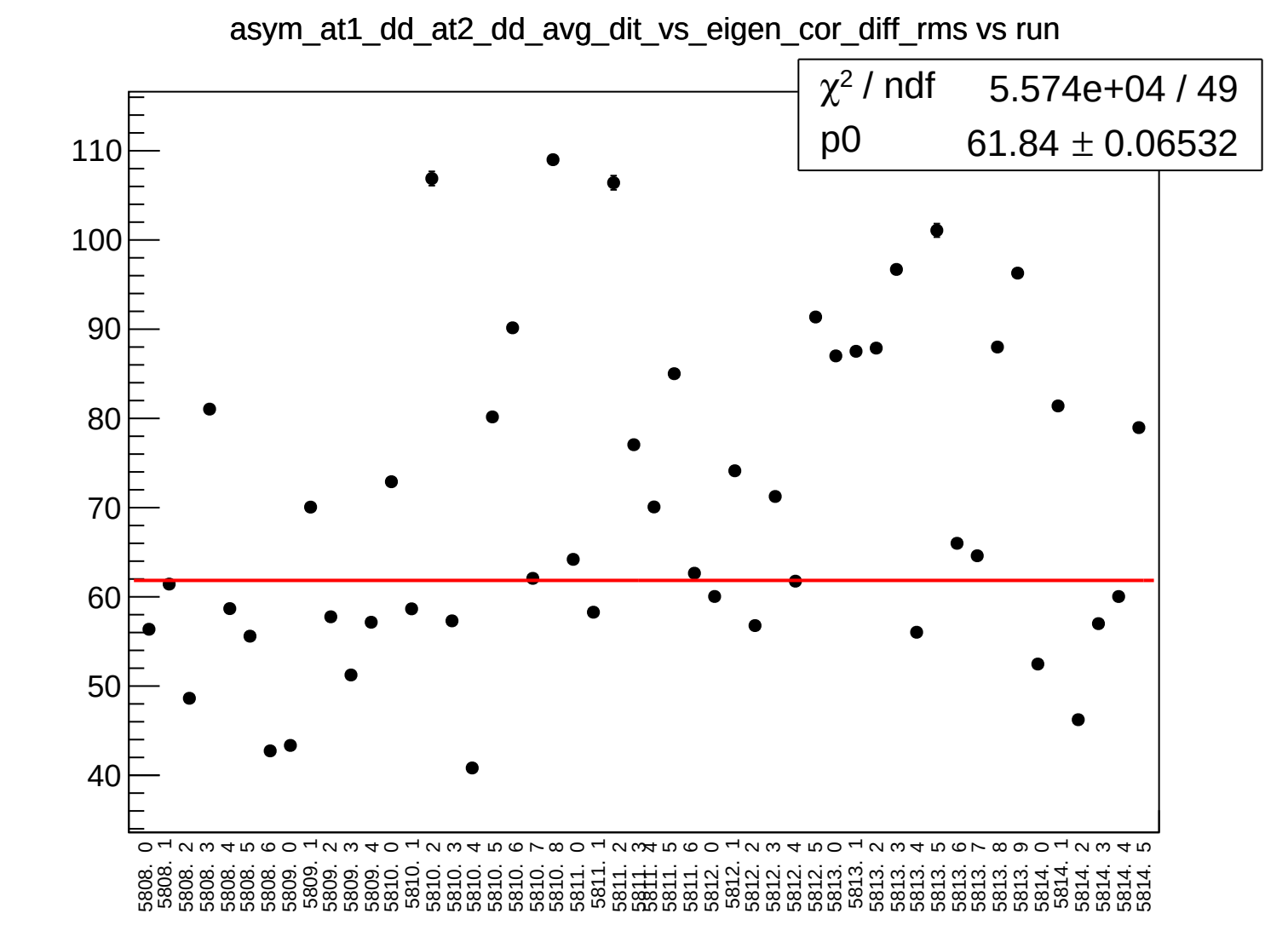
5814. 4
5814. 5


asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0


pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793


asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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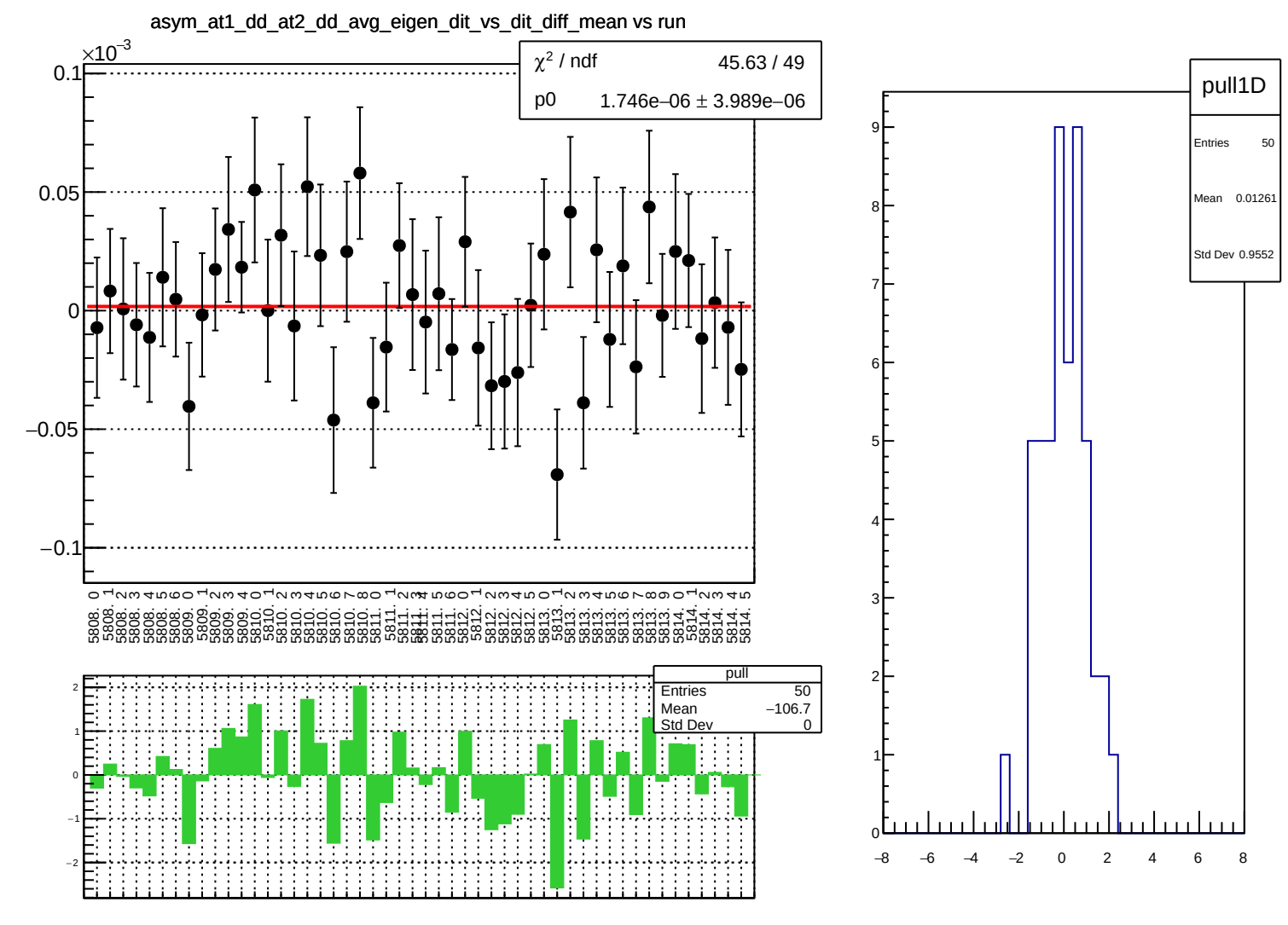
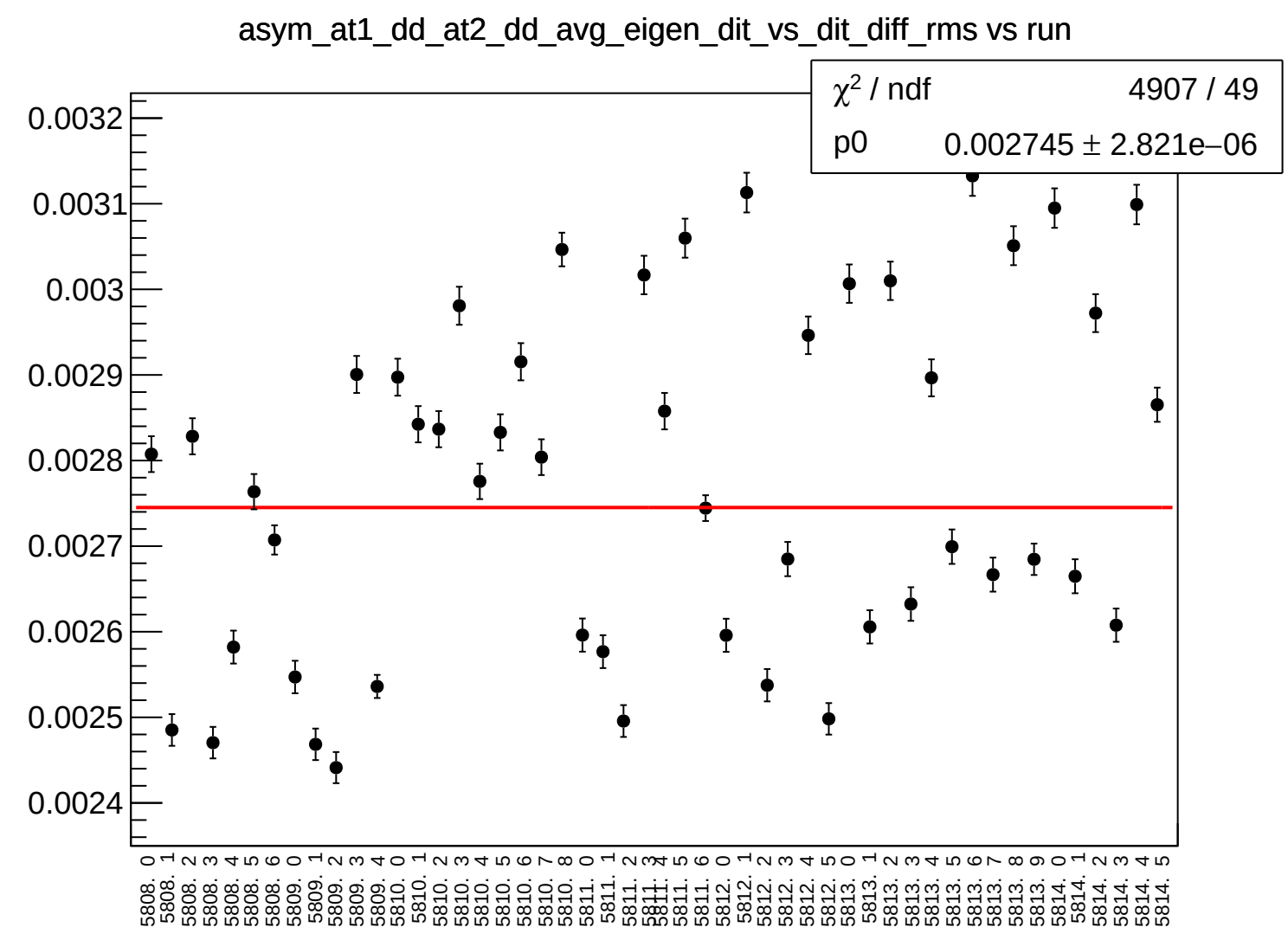
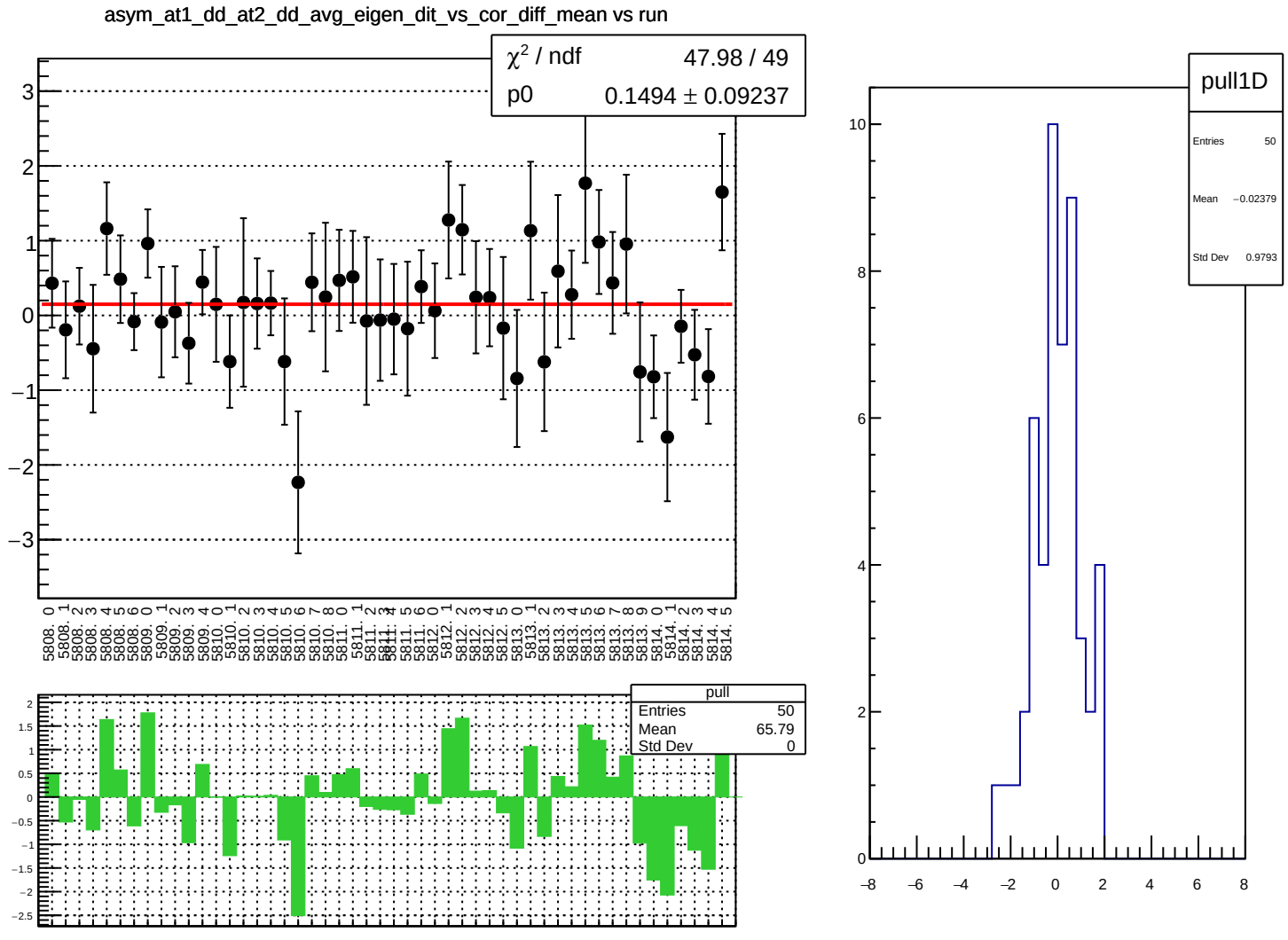
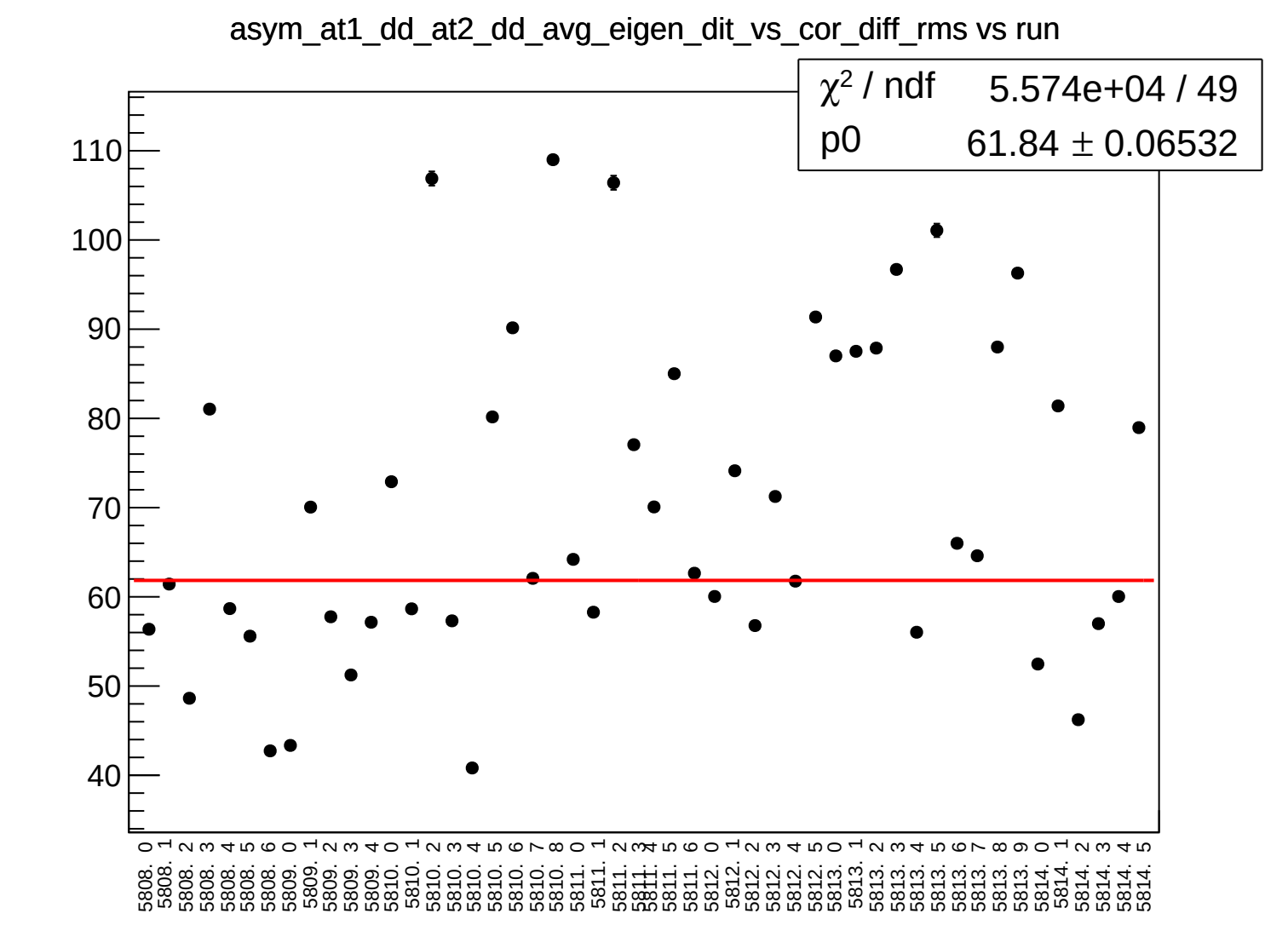
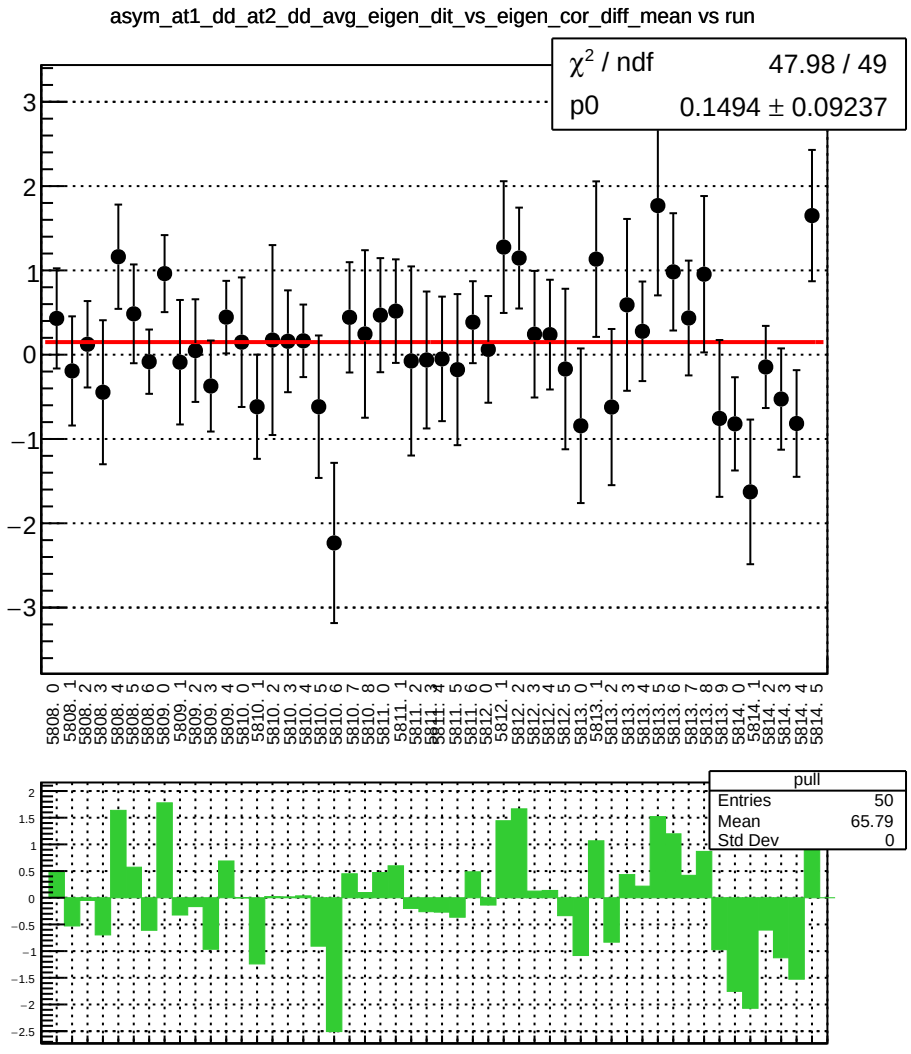
5814. 2
5814. 3
5814. 4
5814. 5

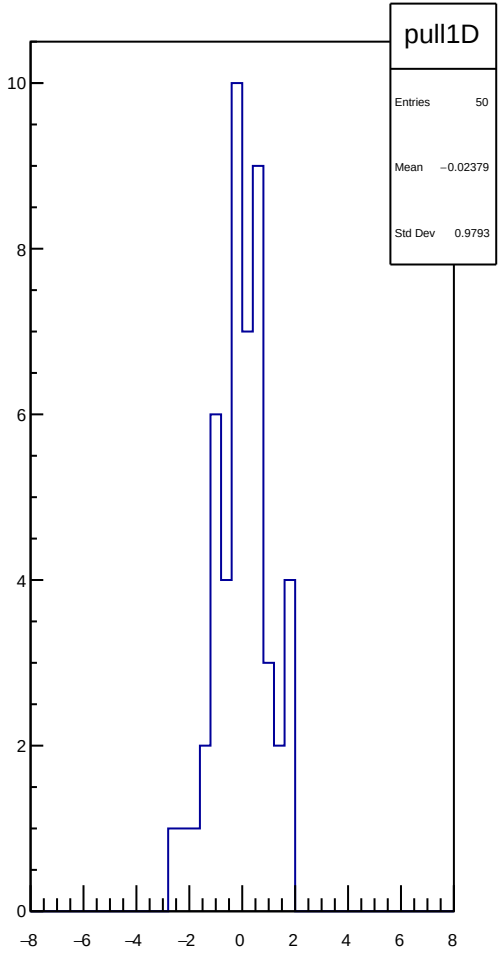

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.63 / 49
p0 1.746e−06 ± 3.989e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 50
Mean −106.7
Std Dev 0
pull1D
Entries 50
Mean 0.01261
Std Dev 0.9552

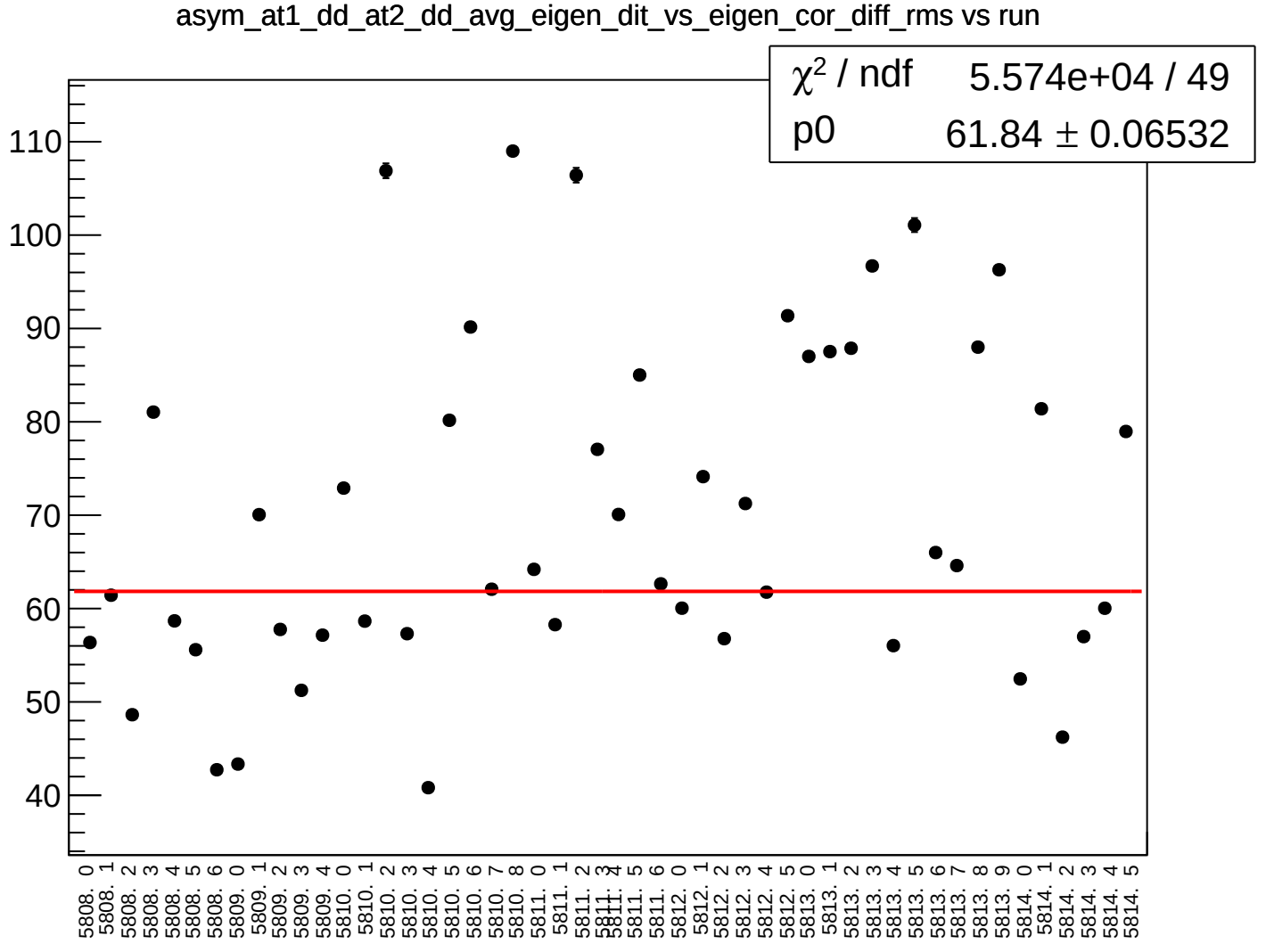

asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4907 / 49
p0 0.002745 ± 2.821e−06
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

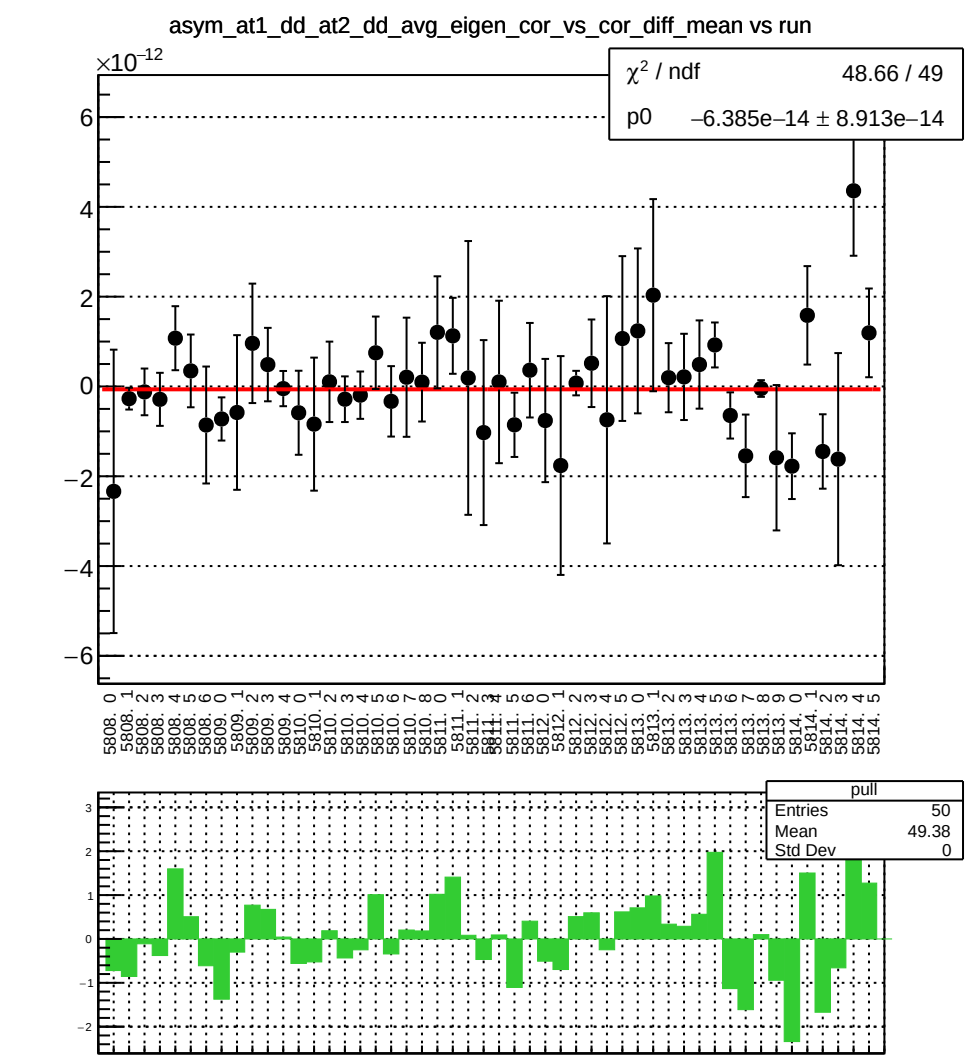

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0
pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

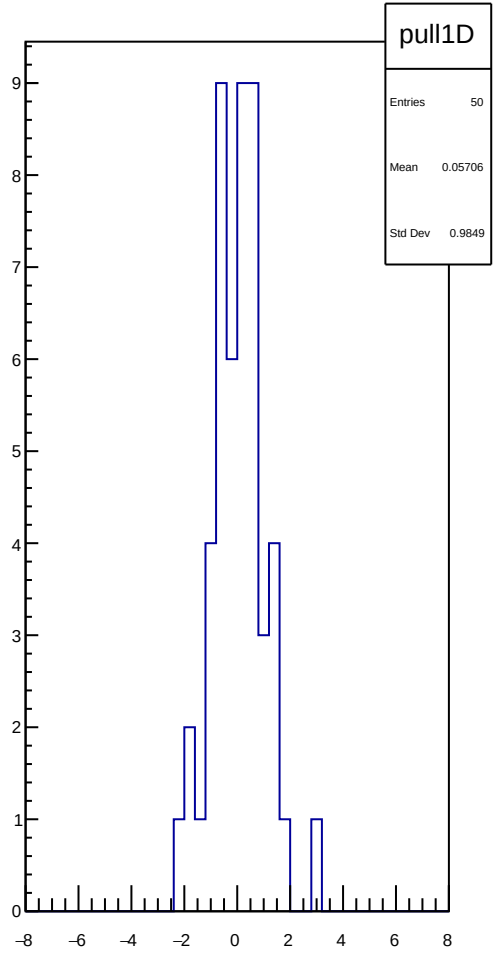

asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

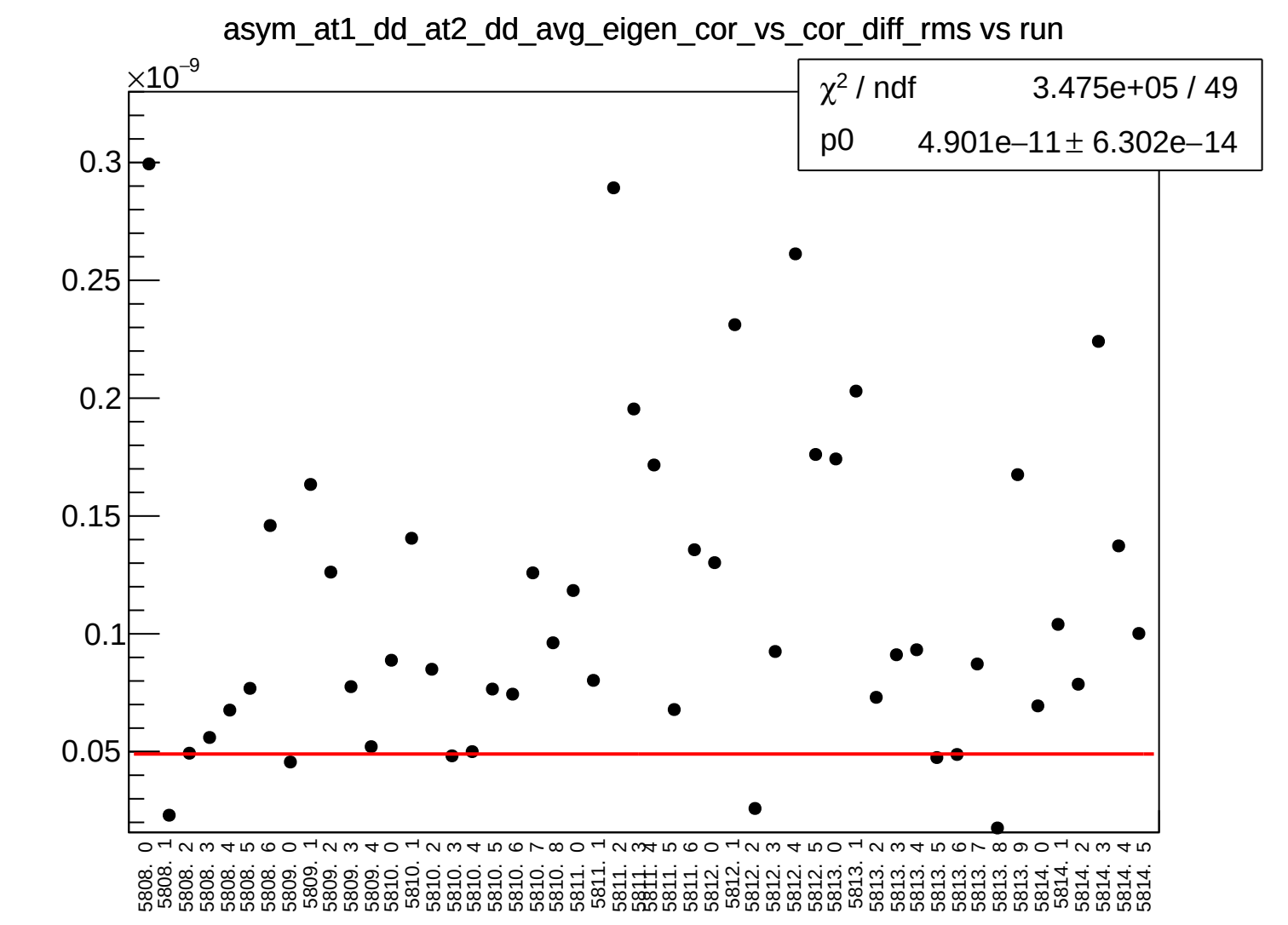

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.98 / 49
p0 0.1494 ± 0.09237
pull
Entries 50
Mean 65.79
Std Dev 0

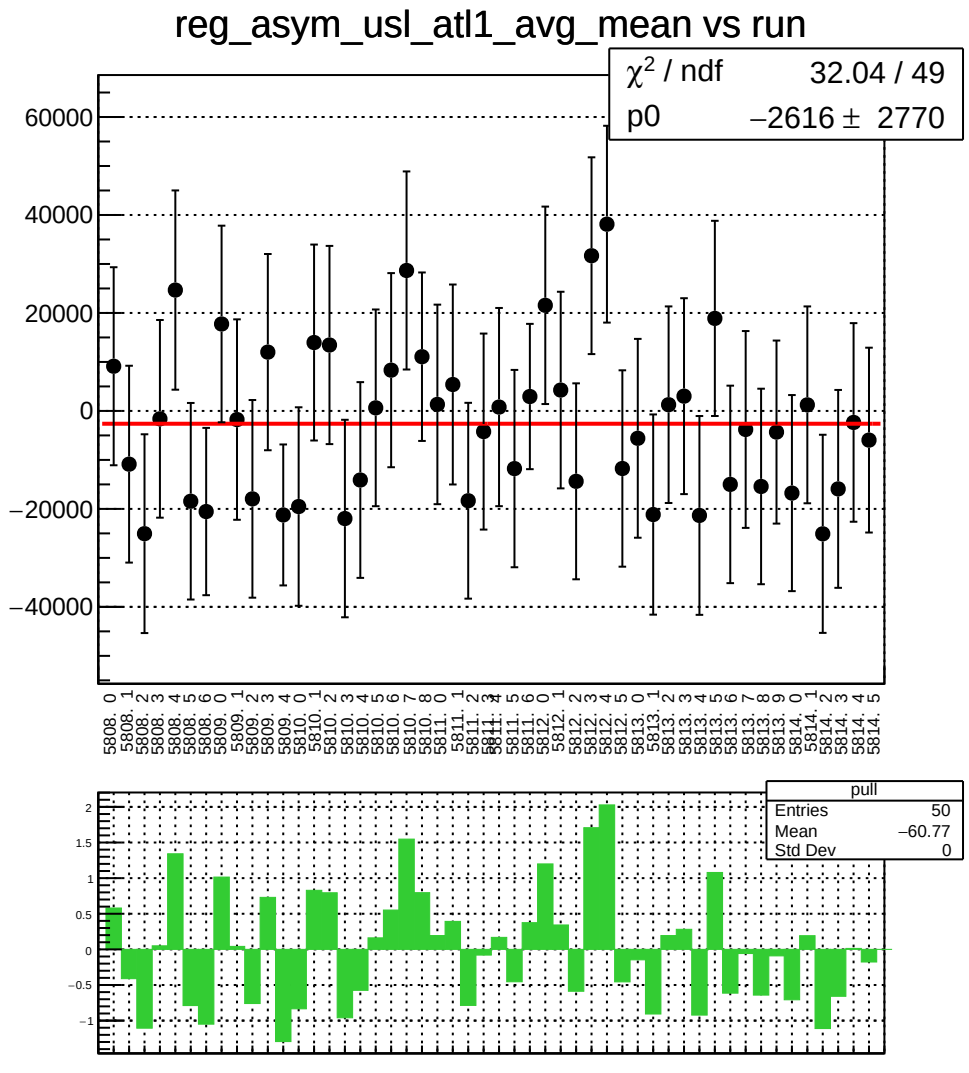

pull1D
Entries 50
Mean −0.02379
Std Dev 0.9793

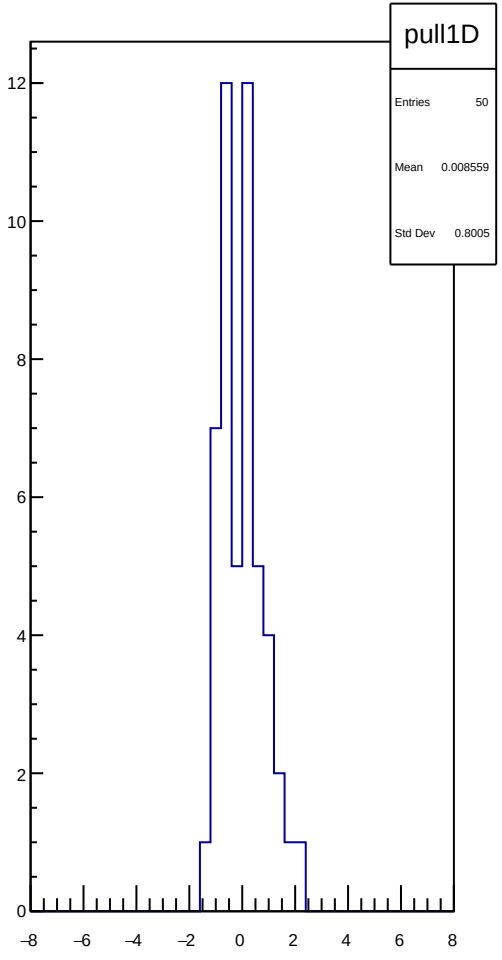

asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 61.84 ± 0.06532
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

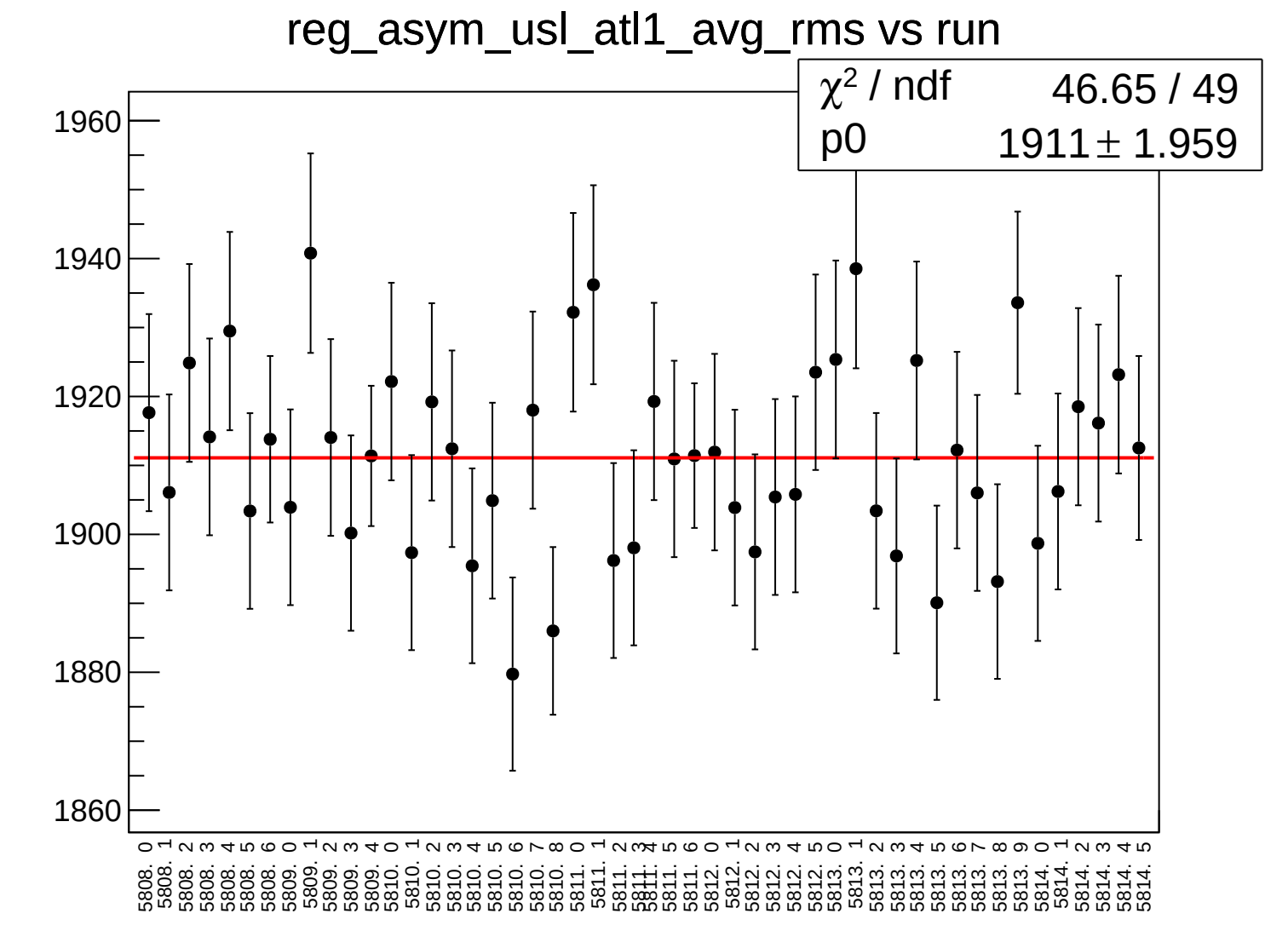

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.66 / 49
p0 −6.385e−14 ± 8.913e−14
pull
Entries 50
Mean 49.38
Std Dev 0

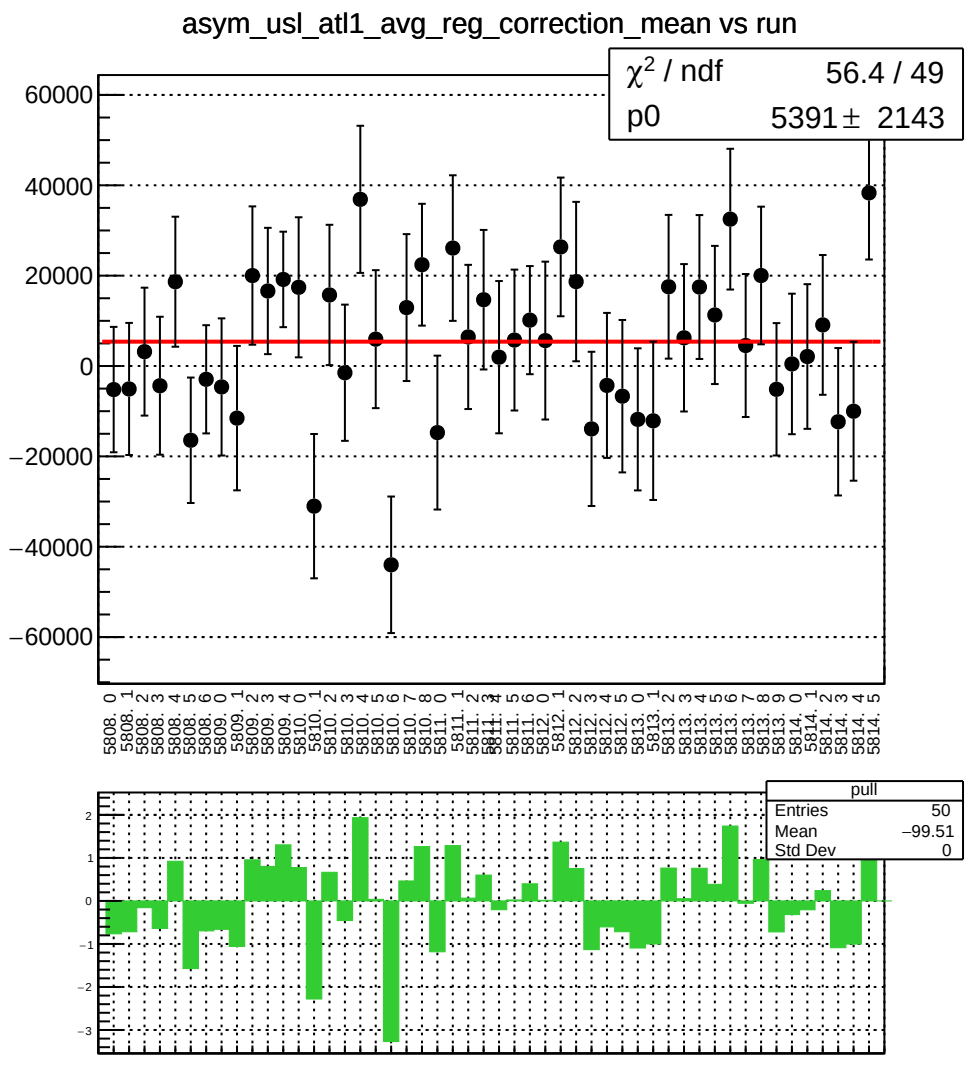

pull1D
Entries 50
Mean 0.05706
Std Dev 0.9849

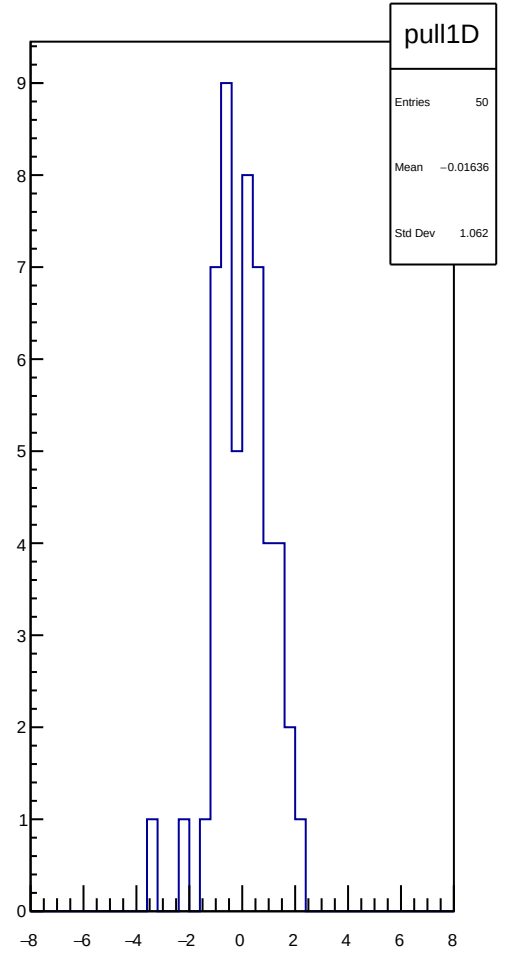

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.475e+05 / 49
p0 4.901e−11 ± 6.302e−14
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

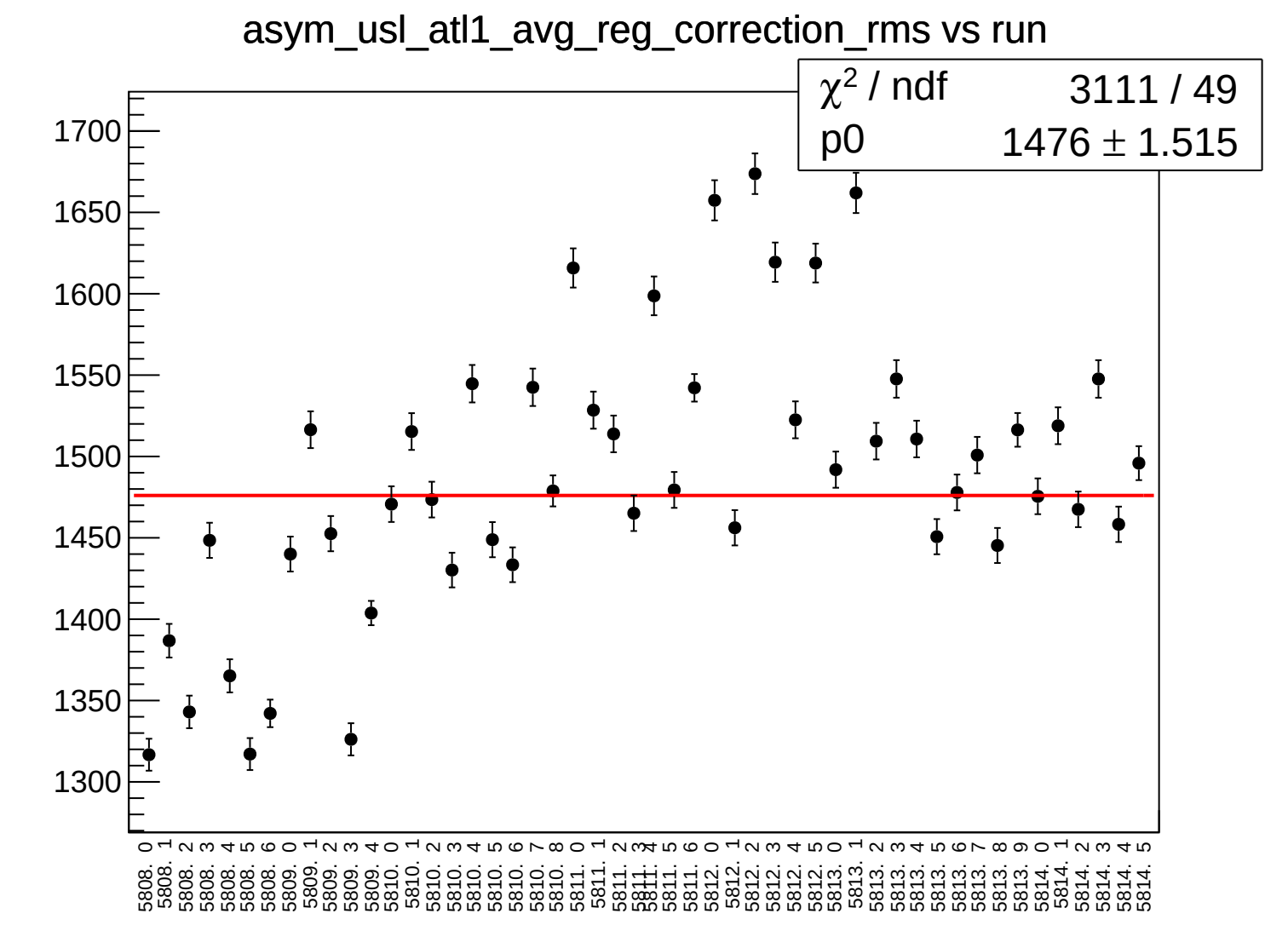

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.04 / 49
p0 −2616 ± 2770
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −60.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

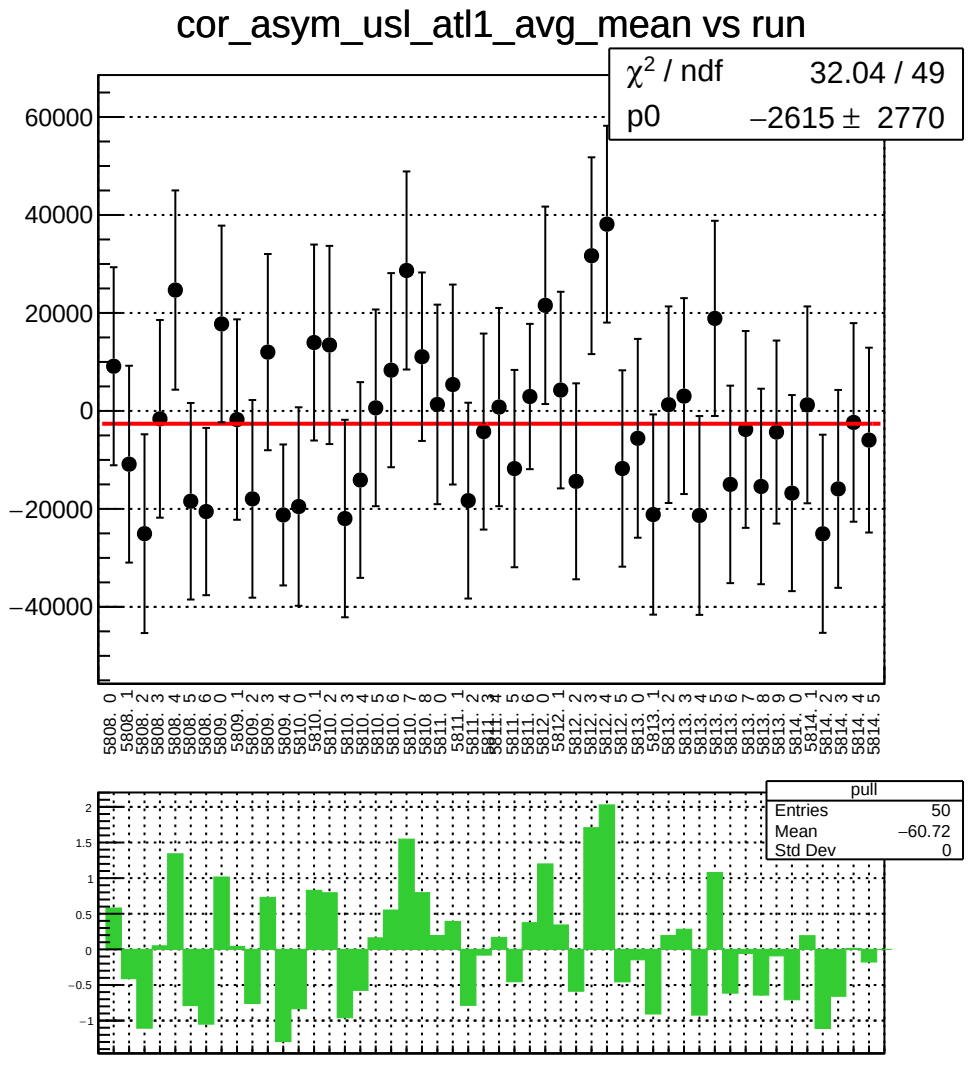

pull1D
Entries 50
Mean 0.008559
Std Dev 0.8005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

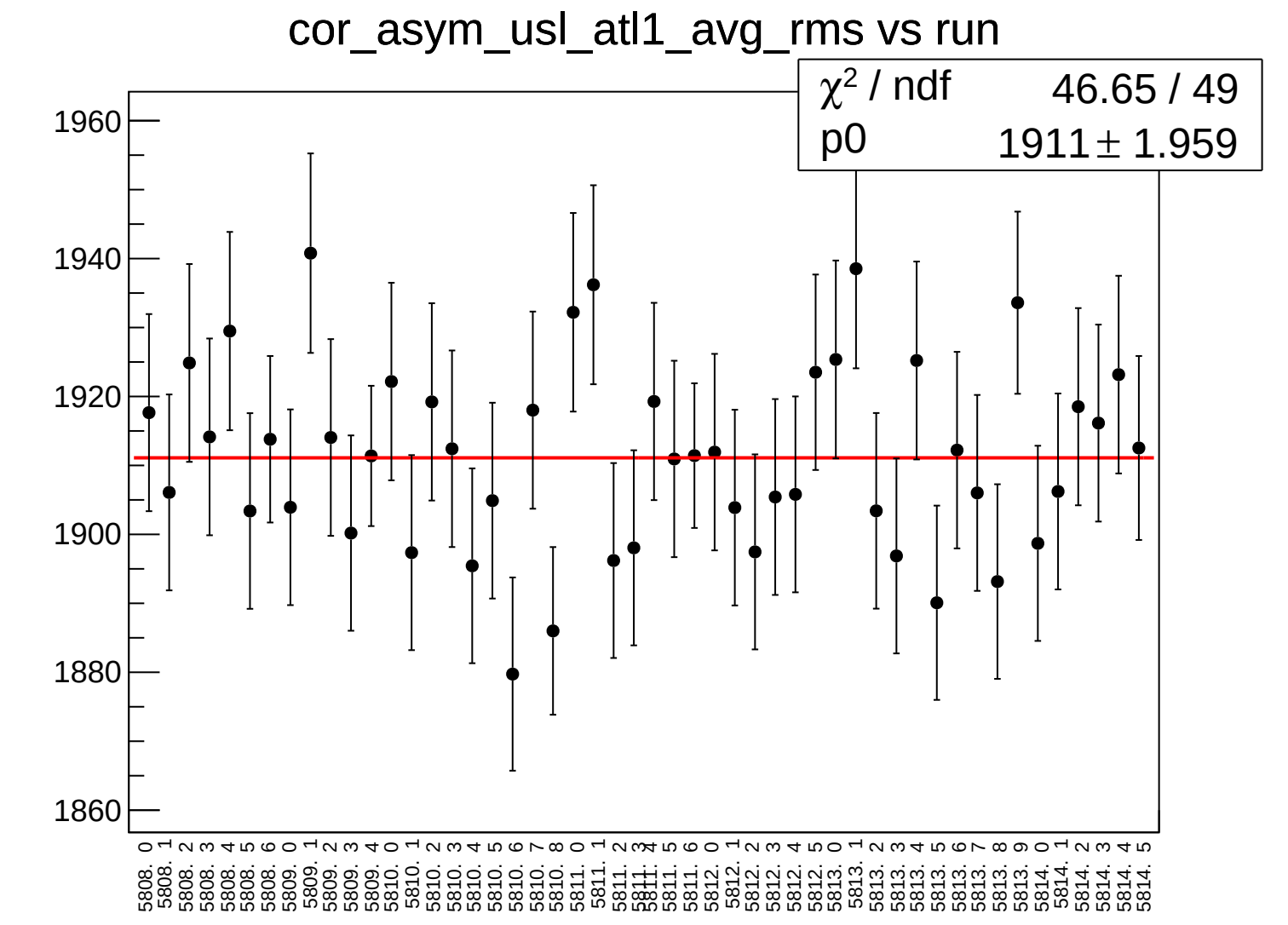

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 46.65 / 49
p0 1911 ± 1.959
1960
1940
1920
1900
1880
1860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 56.4 / 49
p0 5391 ± 2143
pull
Entries 50
Mean −99.51
Std Dev 0


pull1D
Entries 50
Mean −0.01636
Std Dev 1.062


asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 3111 / 49
p0 1476 ± 1.515
1700
1650
1600
1550
1500
1450
1400
1350
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.04 / 49
p0 −2615 ± 2770
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −60.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.00856
Std Dev 0.8005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 46.65 / 49
p0 1911 ± 1.959
1960
1940
1920
1900
1880
1860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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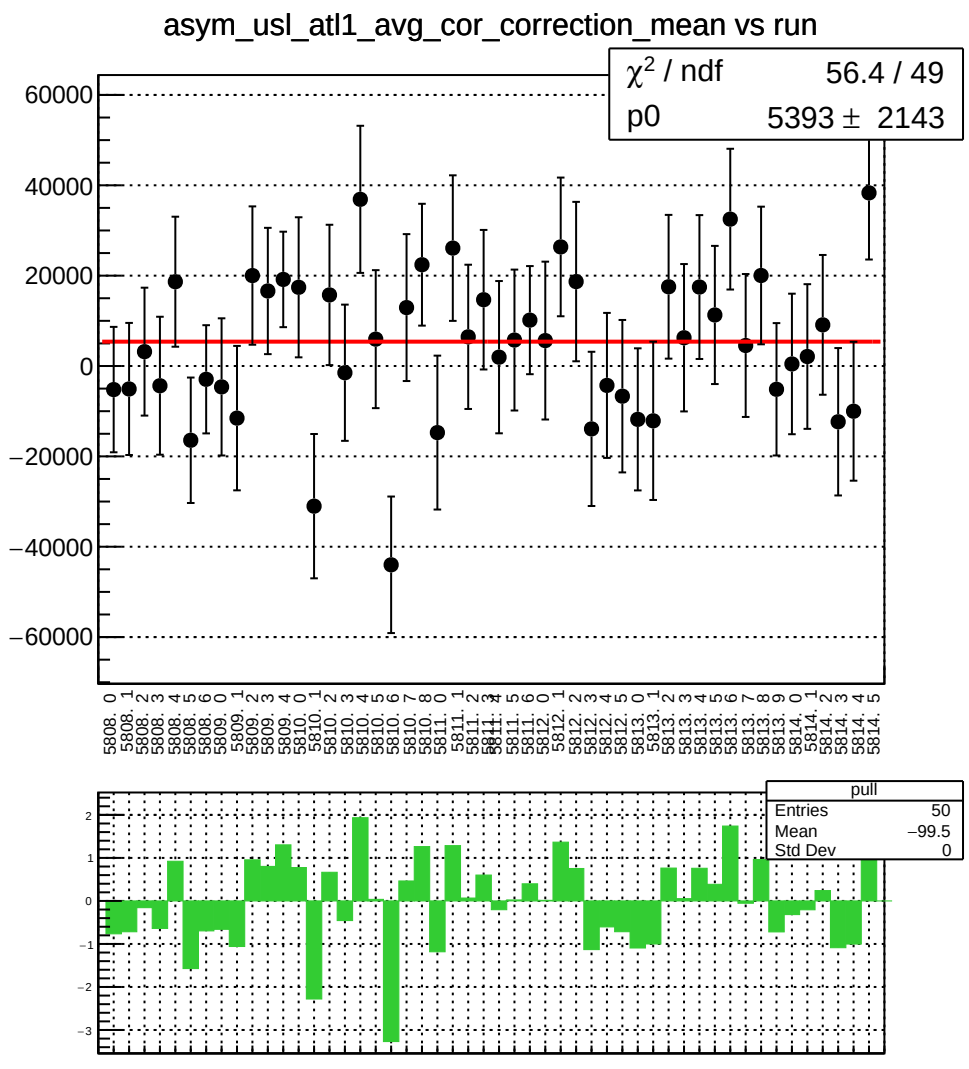
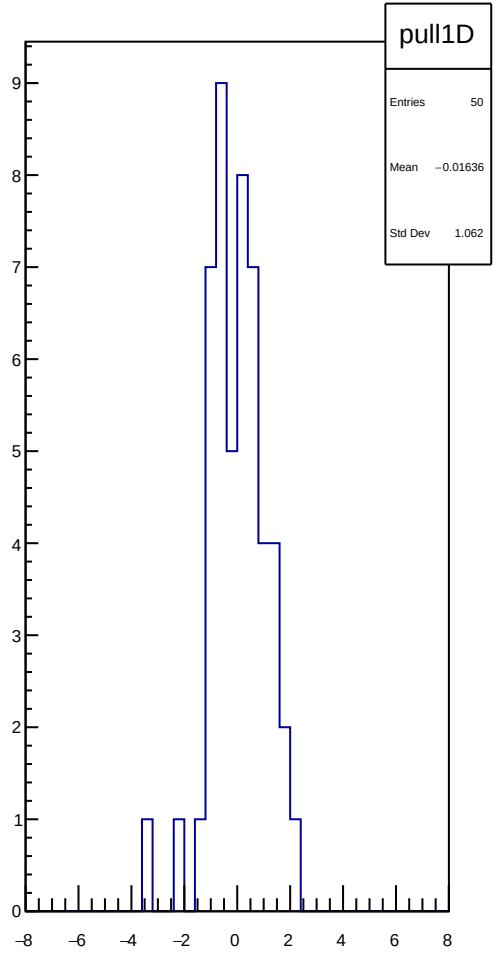
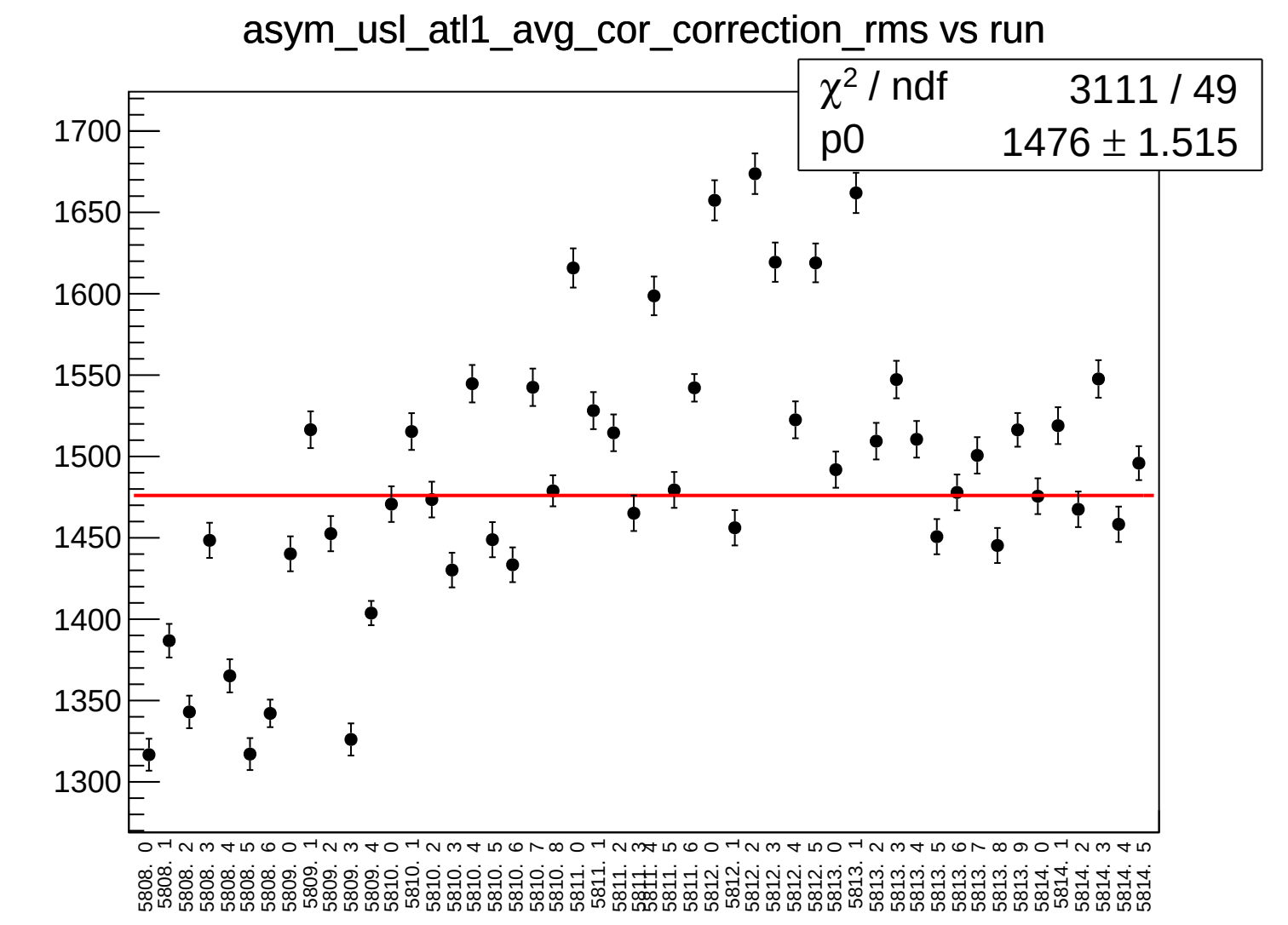
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 56.4 / 49
p0 5393 ± 2143
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −99.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01636
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 3111 / 49
p0 1476 ± 1.515
1700
1650
1600
1550
1500
1450
1400
1350
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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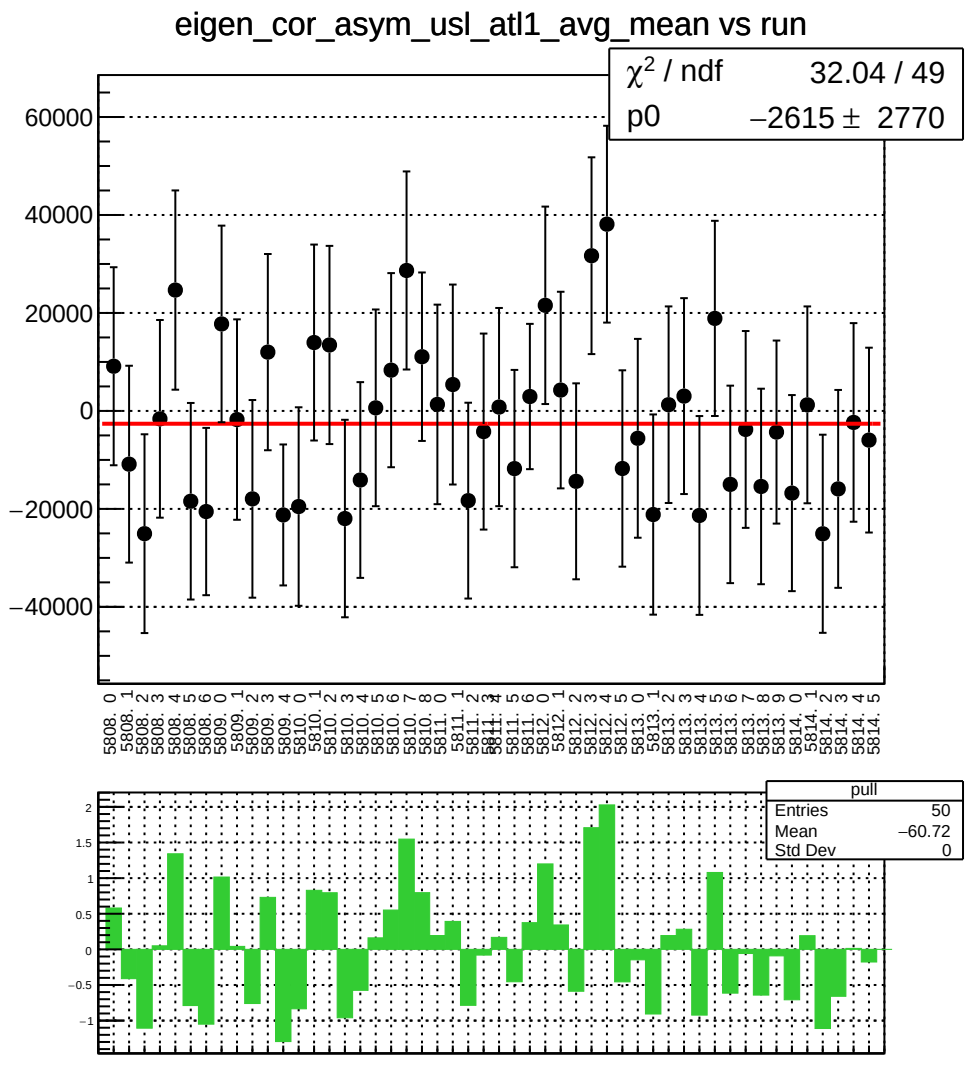
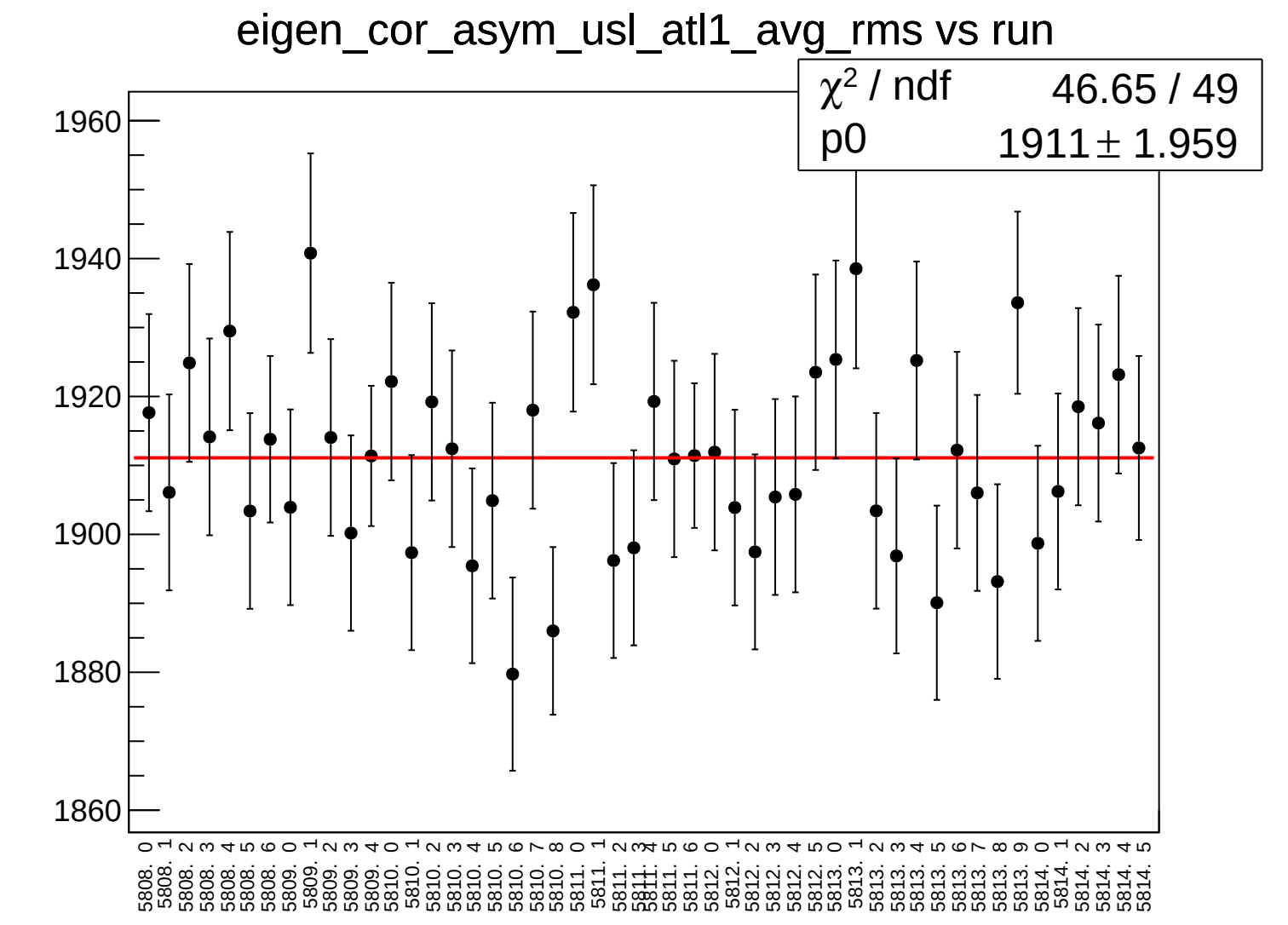
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.04 / 49
p0 −2615 ± 2770
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −60.72
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.00856
Std Dev 0.8005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 46.65 / 49
p0 1911 ± 1.959
1960
1940
1920
1900
1880
1860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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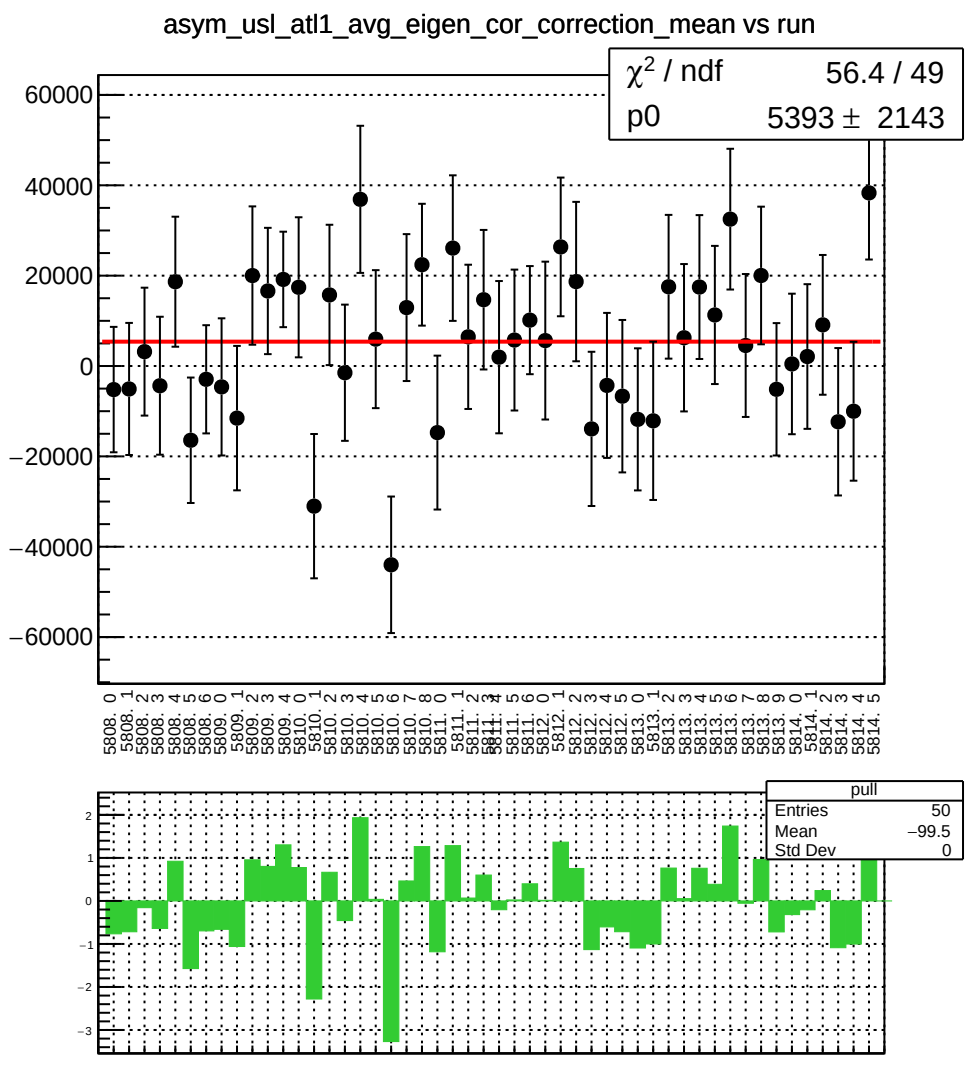
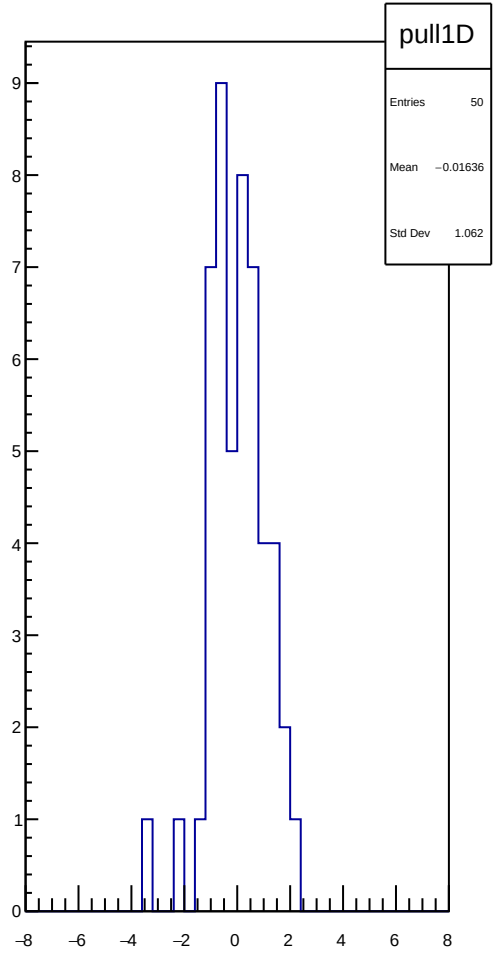
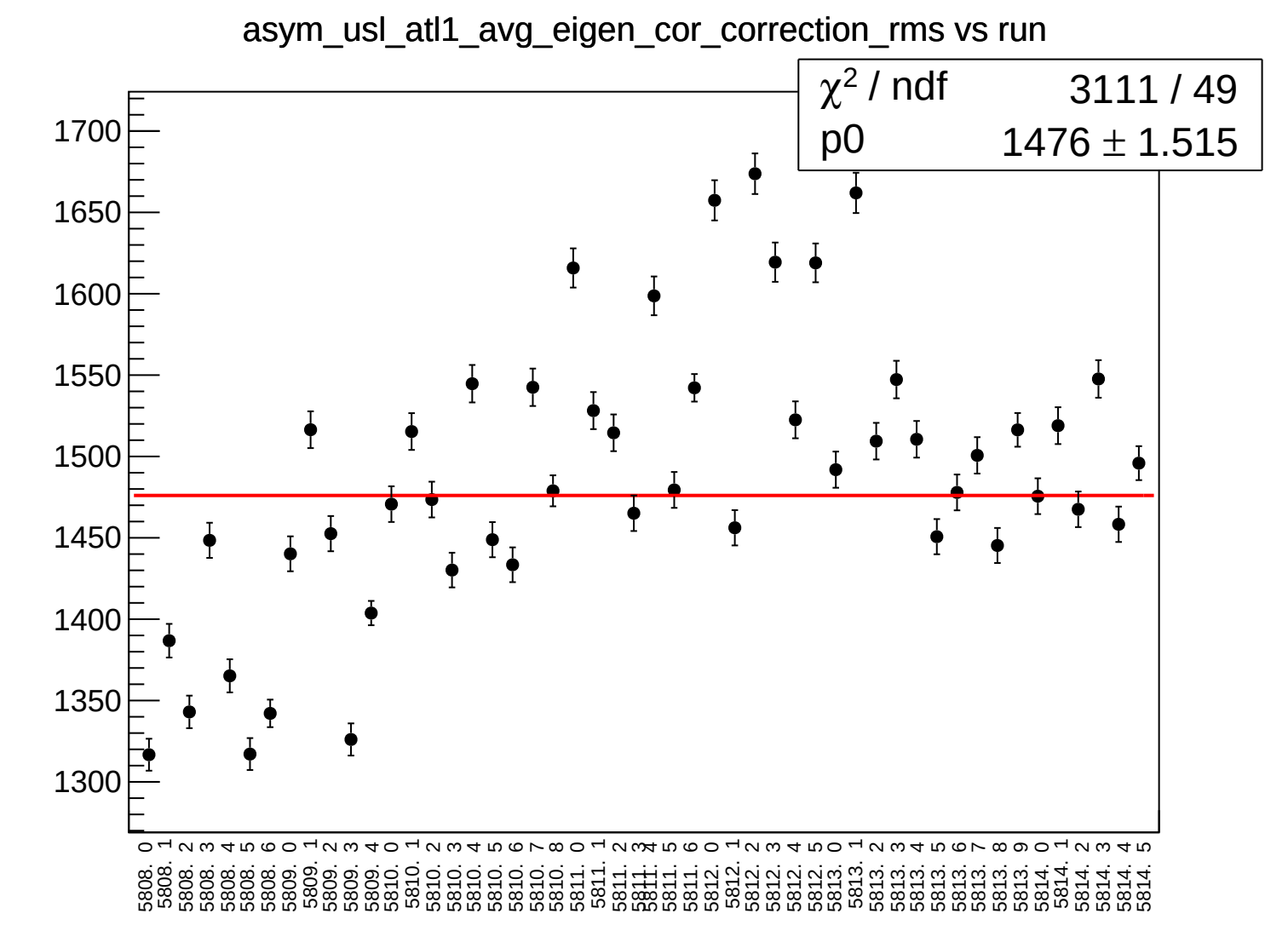
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 56.4 / 49
p0 5393 ± 2143
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −99.5
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01636
Std Dev 1.062
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 3111 / 49
p0 1476 ± 1.515
1700
1650
1600
1550
1500
1450
1400
1350
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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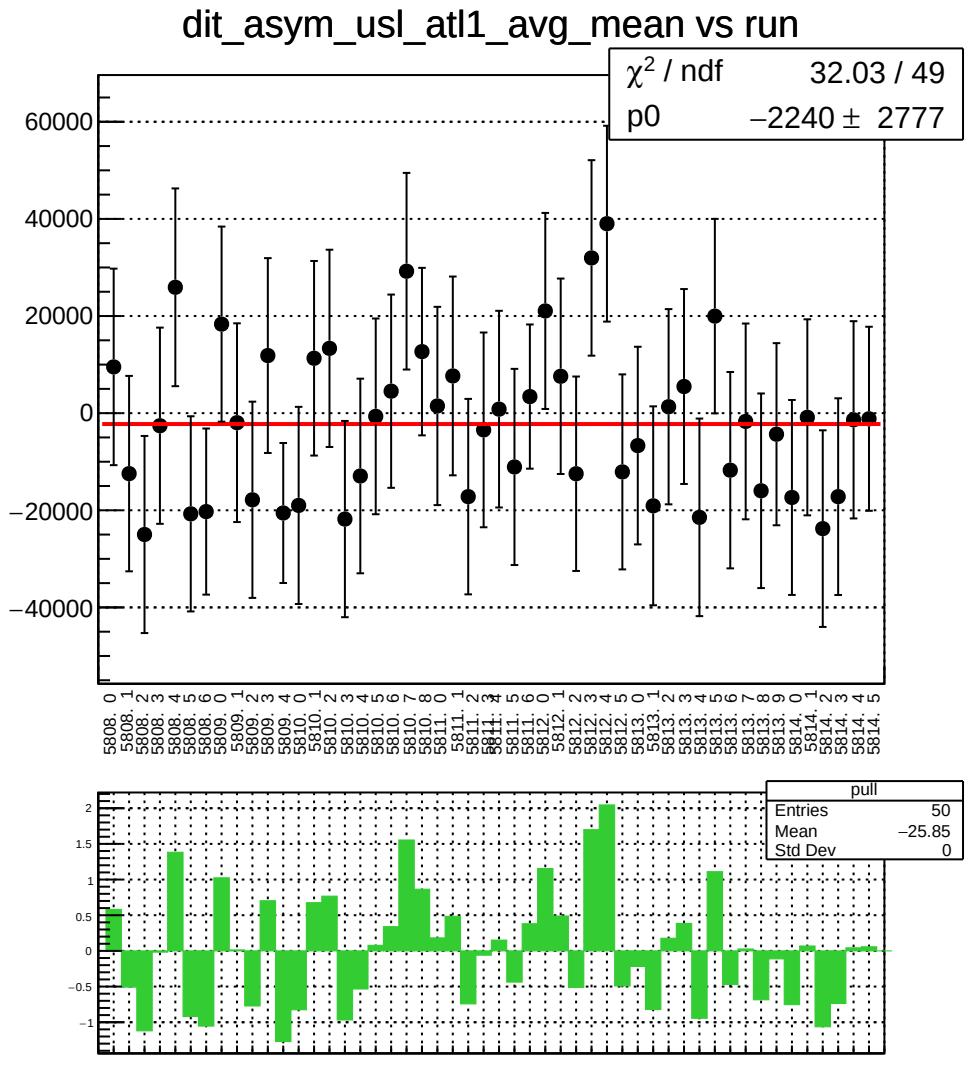
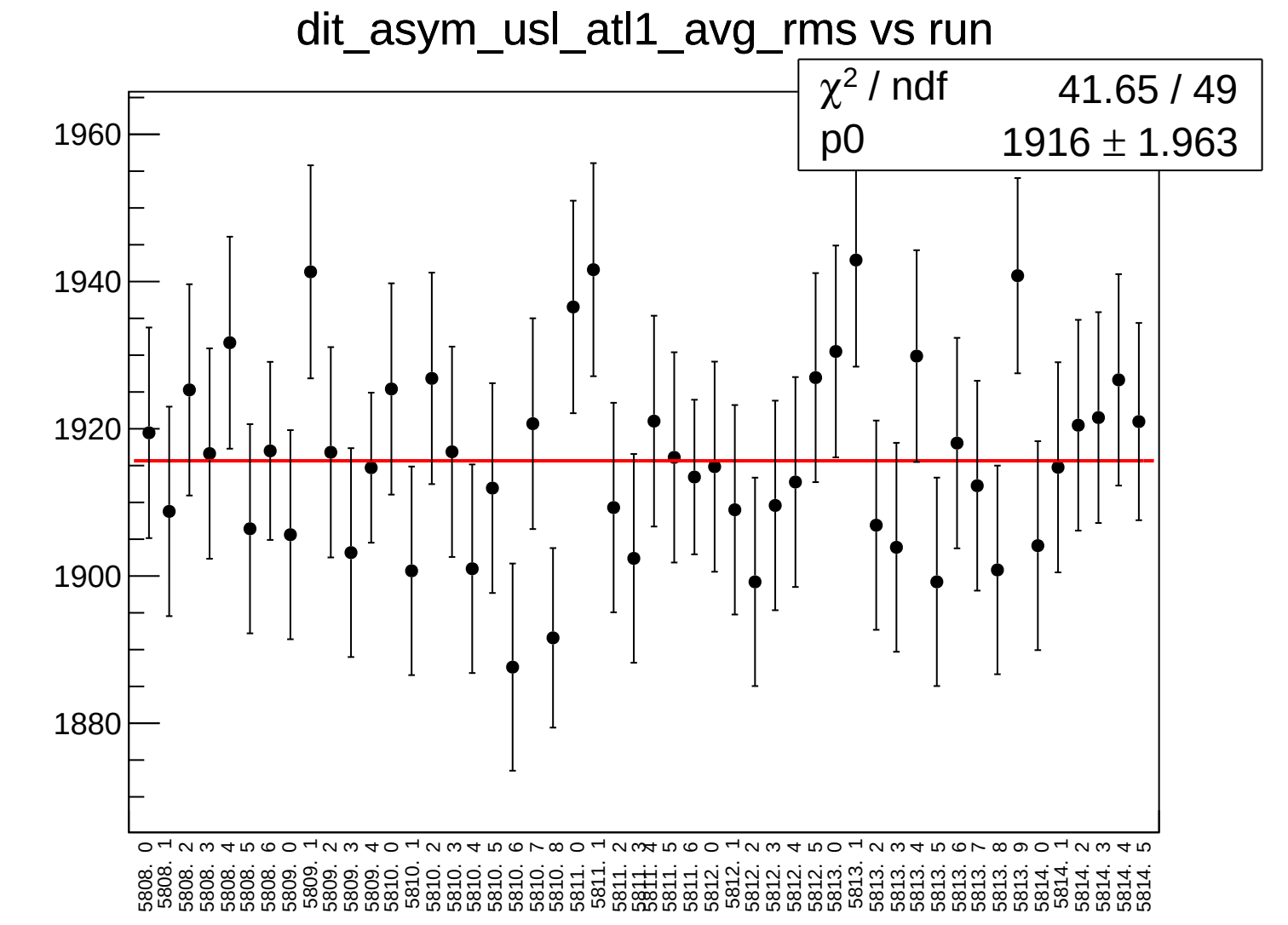
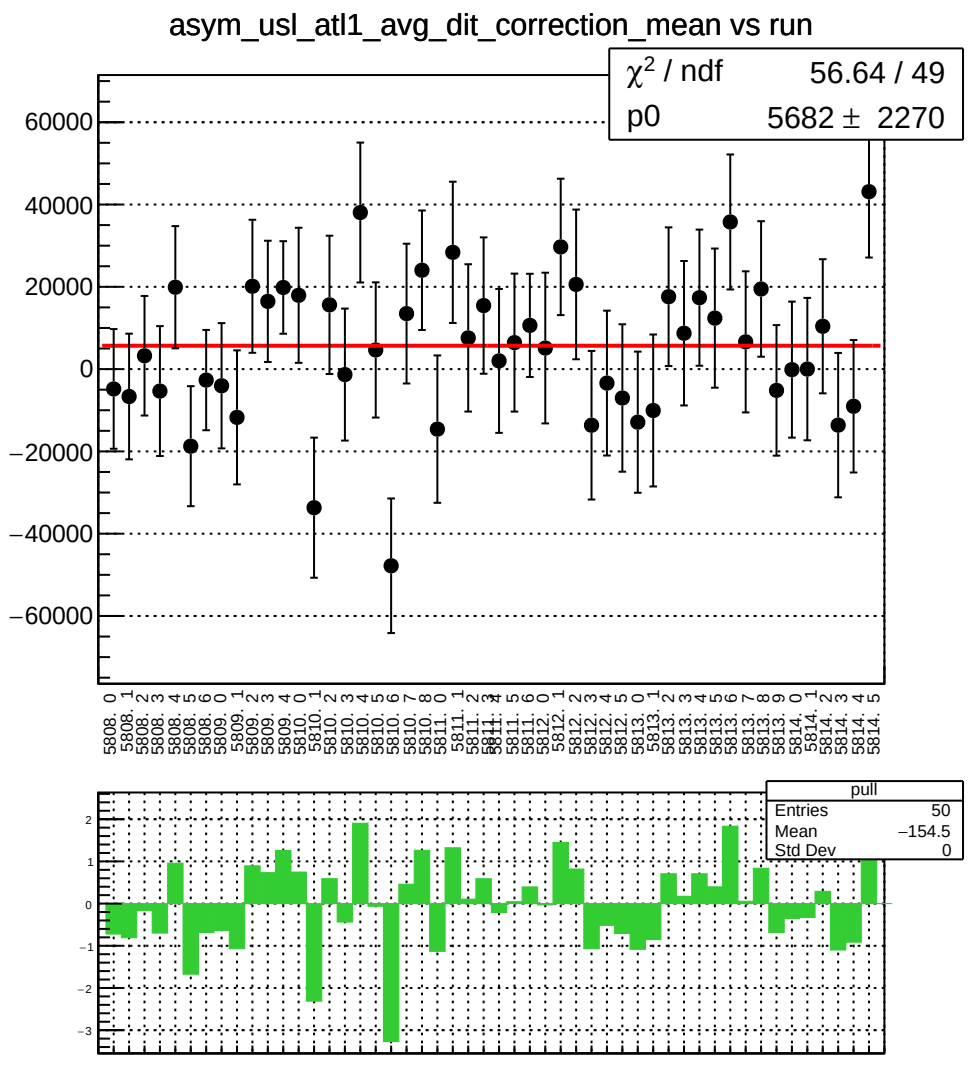
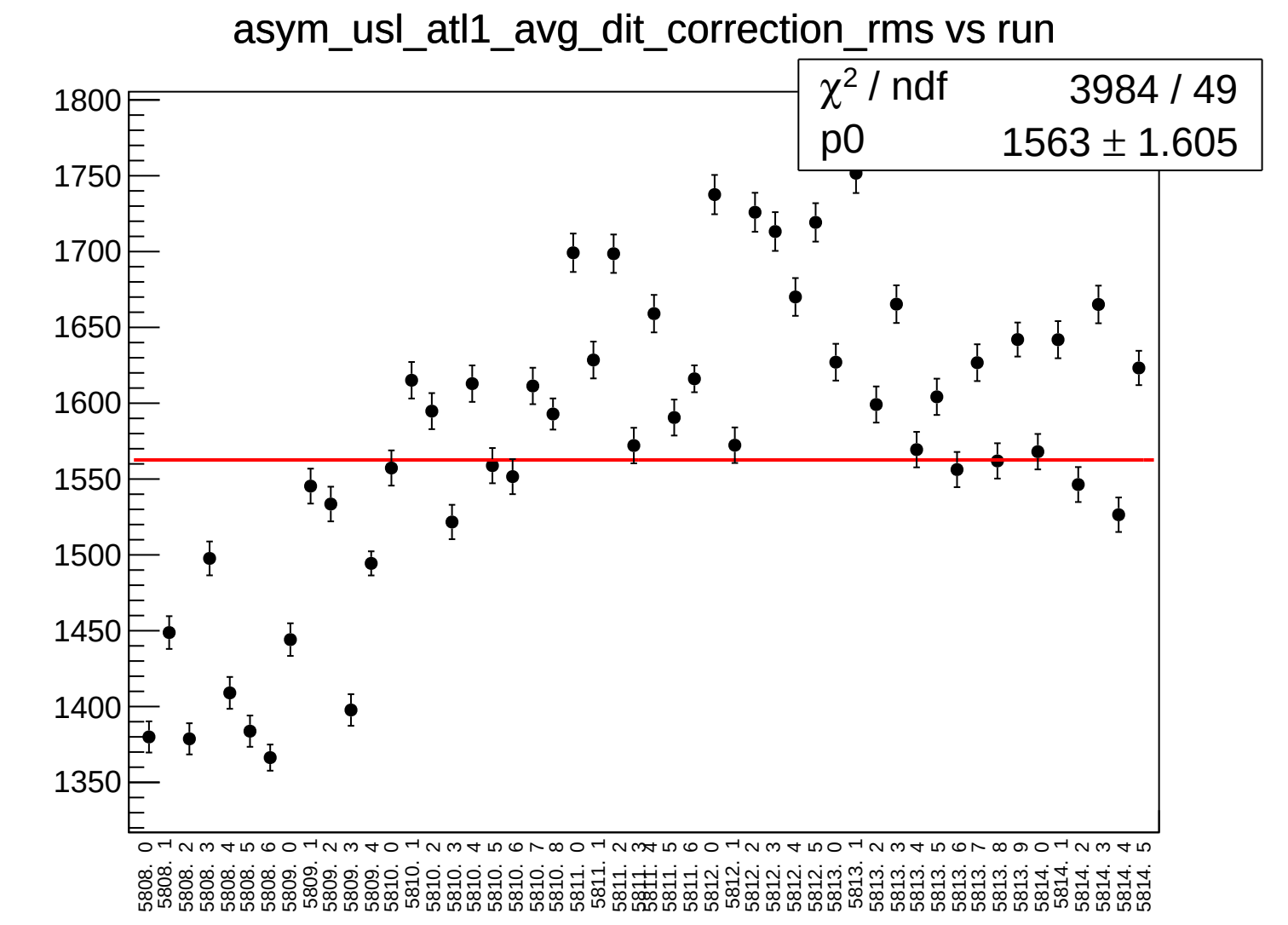
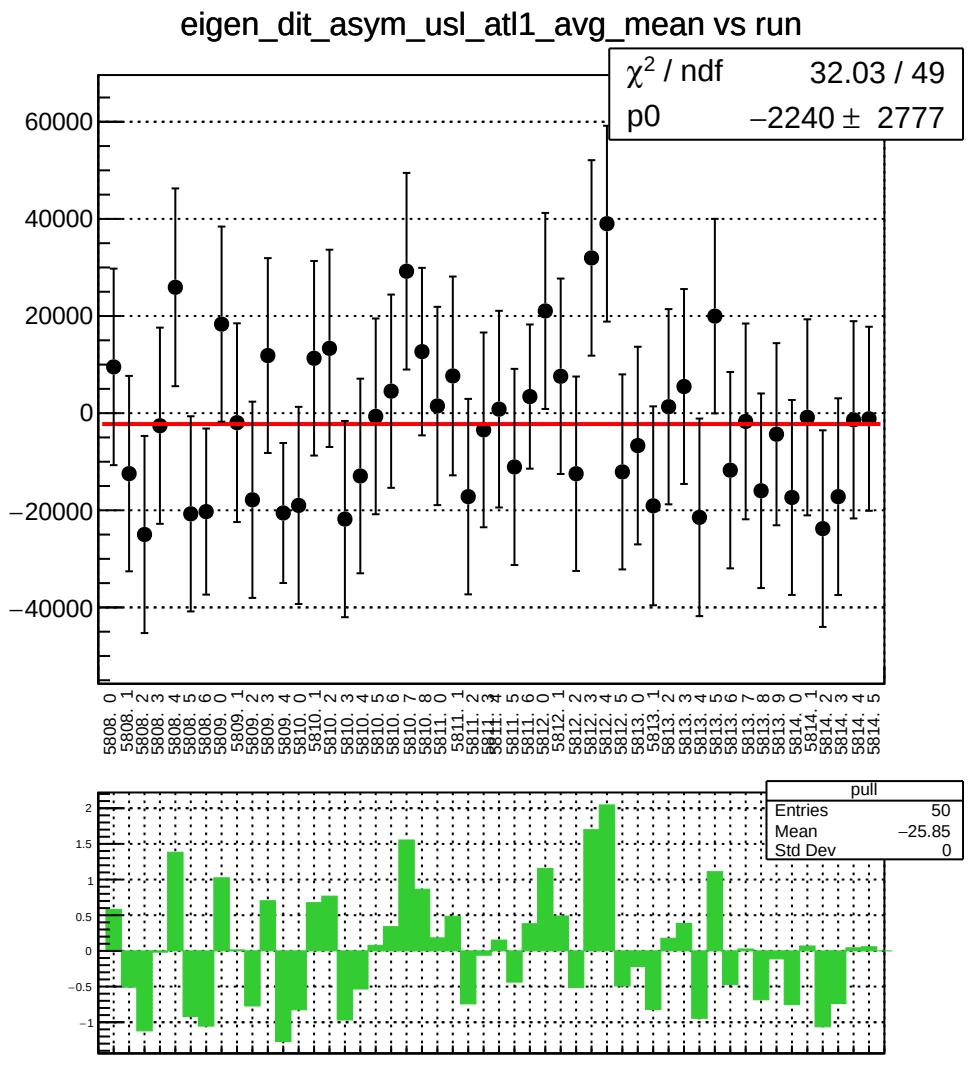
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.03 / 49
p0 −2240 ± 2777
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −25.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.007995
Std Dev 0.8003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 41.65 / 49
p0 1916 ± 1.963
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 56.64 / 49
p0 5682 ± 2270
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −154.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01311
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 3984 / 49
p0 1563 ± 1.605
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.03 / 49
p0 −2240 ± 2777
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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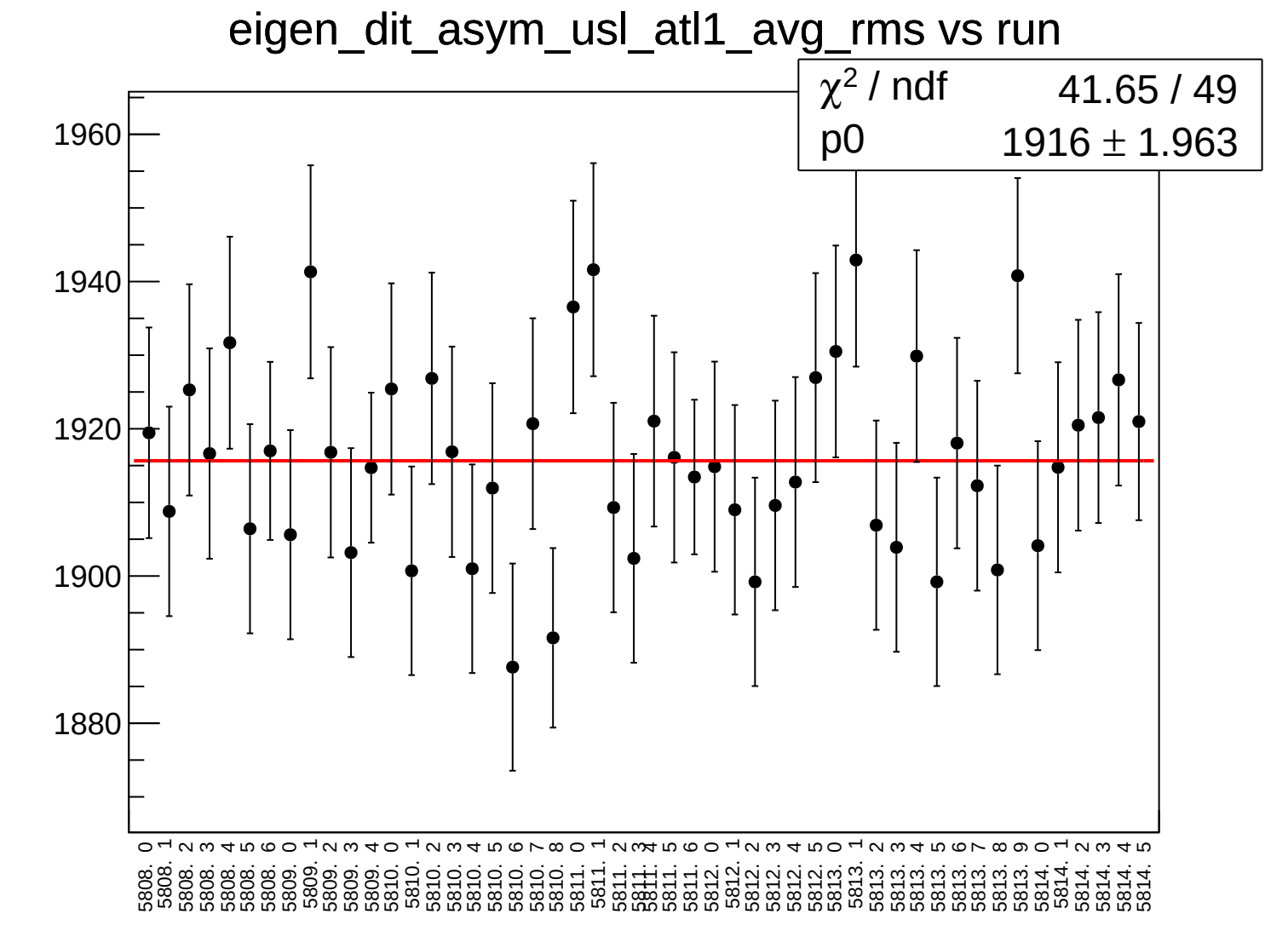
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −25.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.007995
Std Dev 0.8003
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 41.65 / 49
p0 1916 ± 1.963
1960
1940
1920
1900
1880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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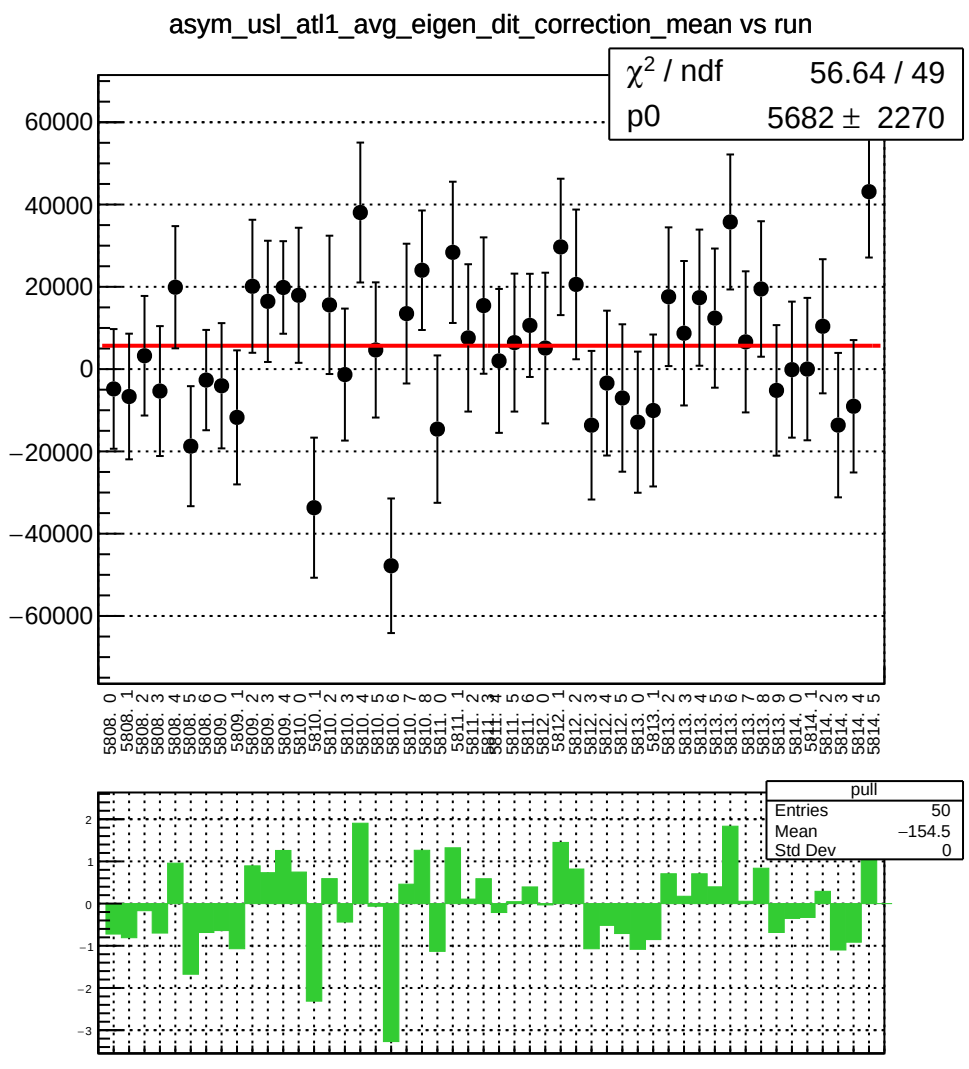
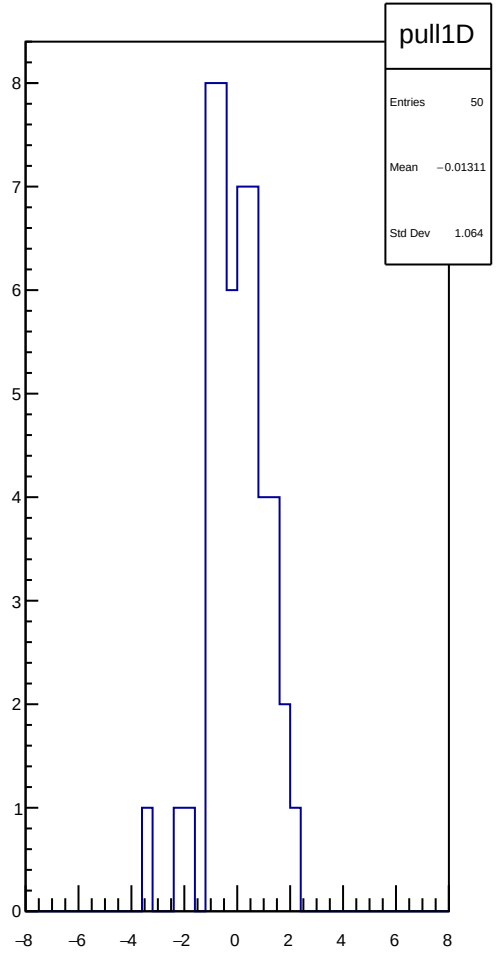
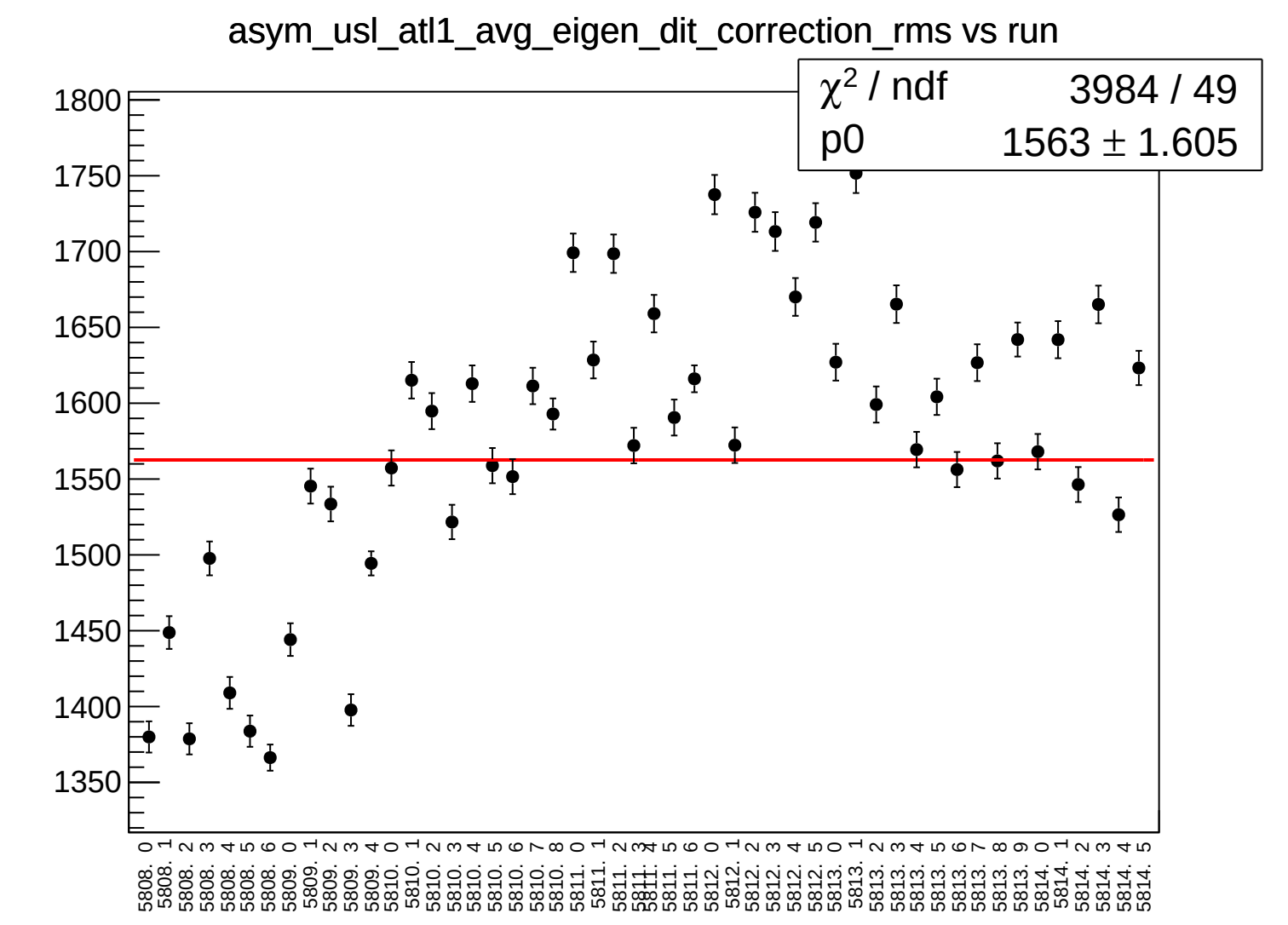
5814. 4
5814. 5


asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.64 / 49
p0 5682 ± 2270
pull
Entries 50
Mean −154.5
Std Dev 0


pull1D
Entries 50
Mean −0.01311
Std Dev 1.064


asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 3984 / 49
p0 1563 ± 1.605
1800
1750
1700
1650
1600
1550
1500
1450
1400
1350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
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5811. 6
5812. 0
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5813. 8
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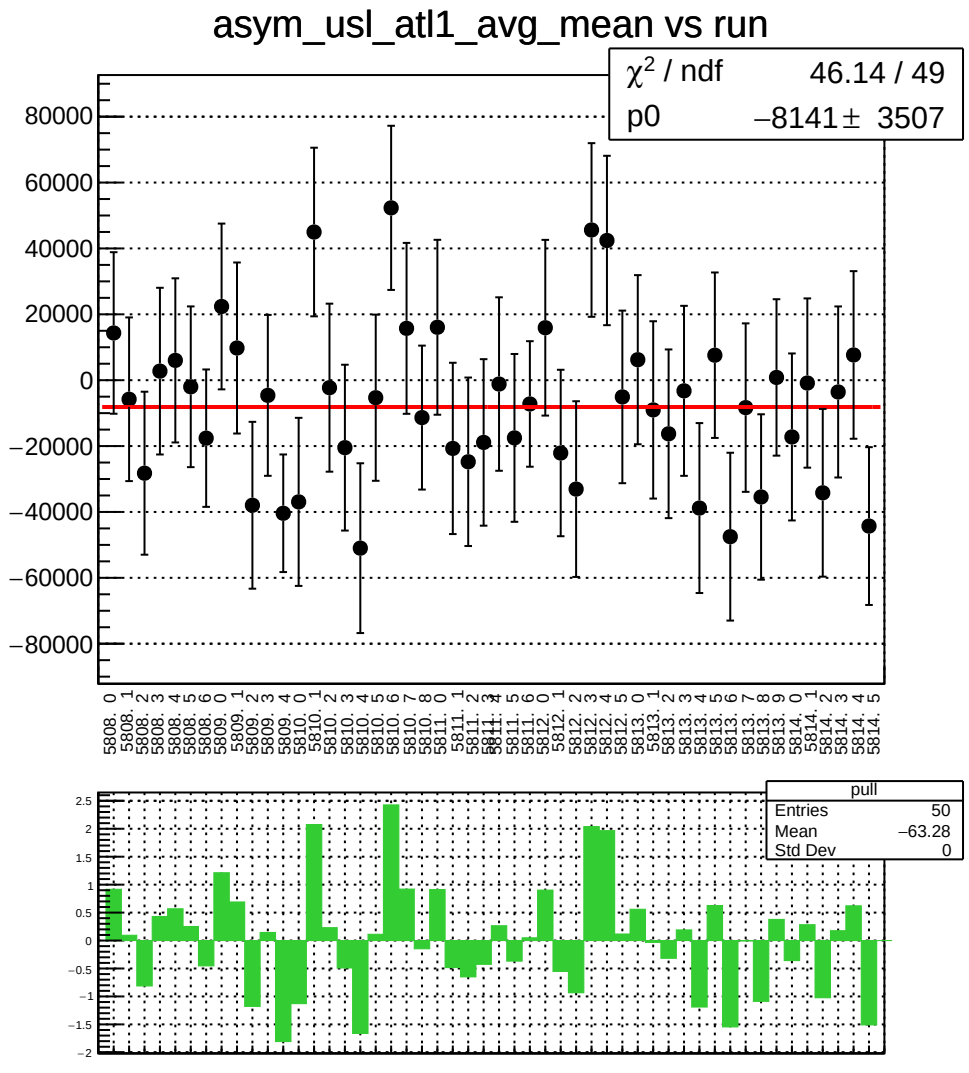
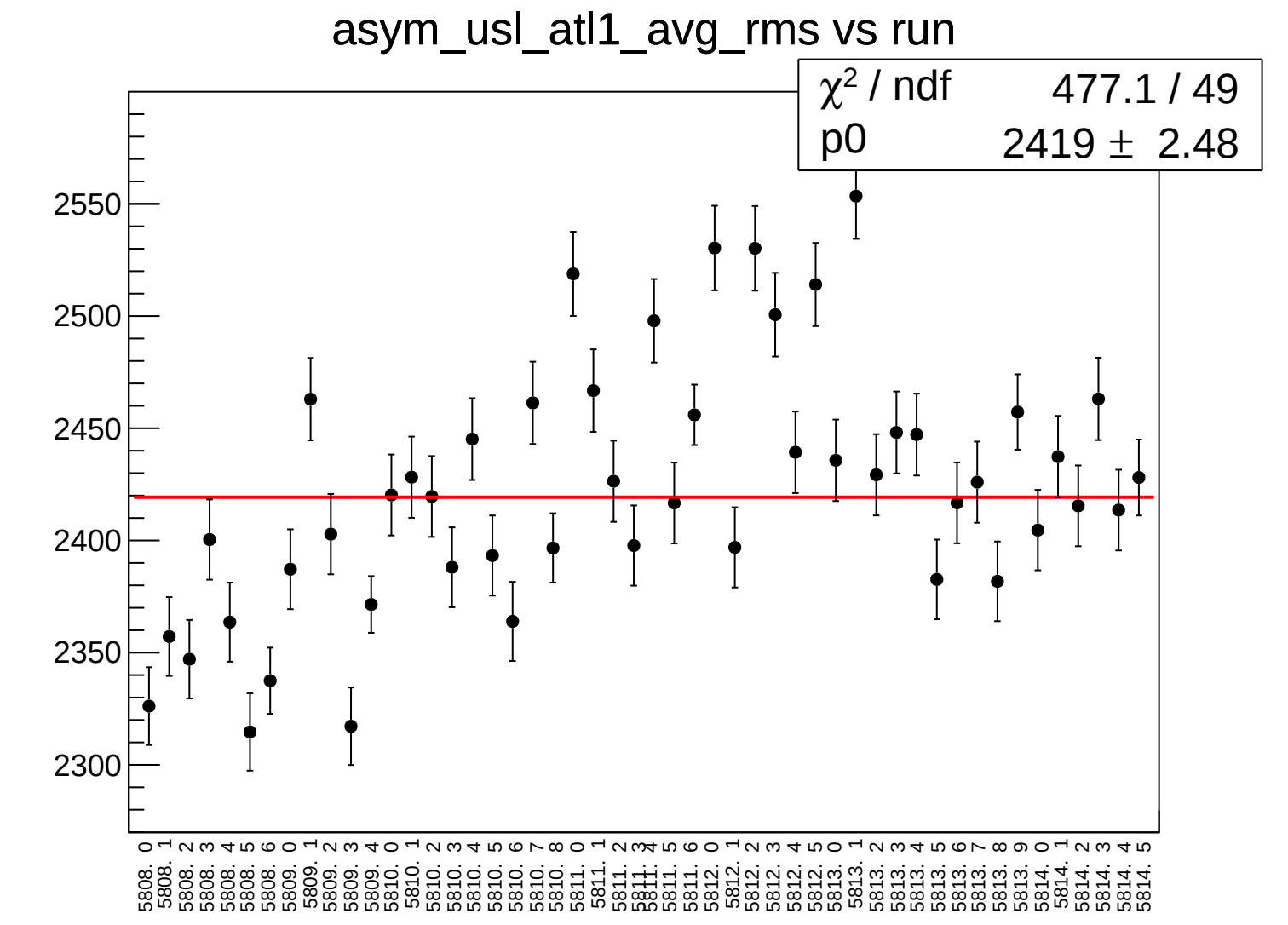
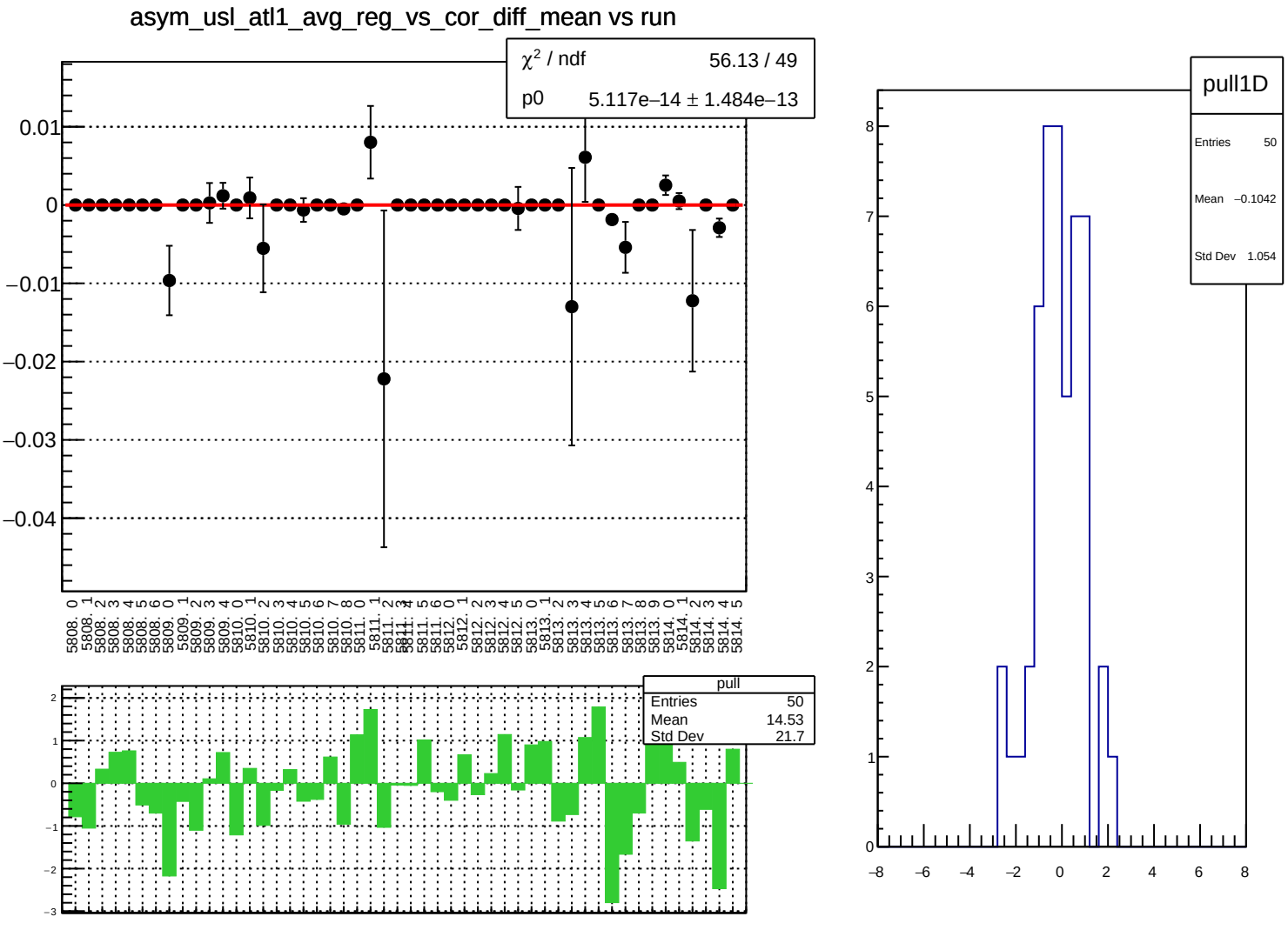
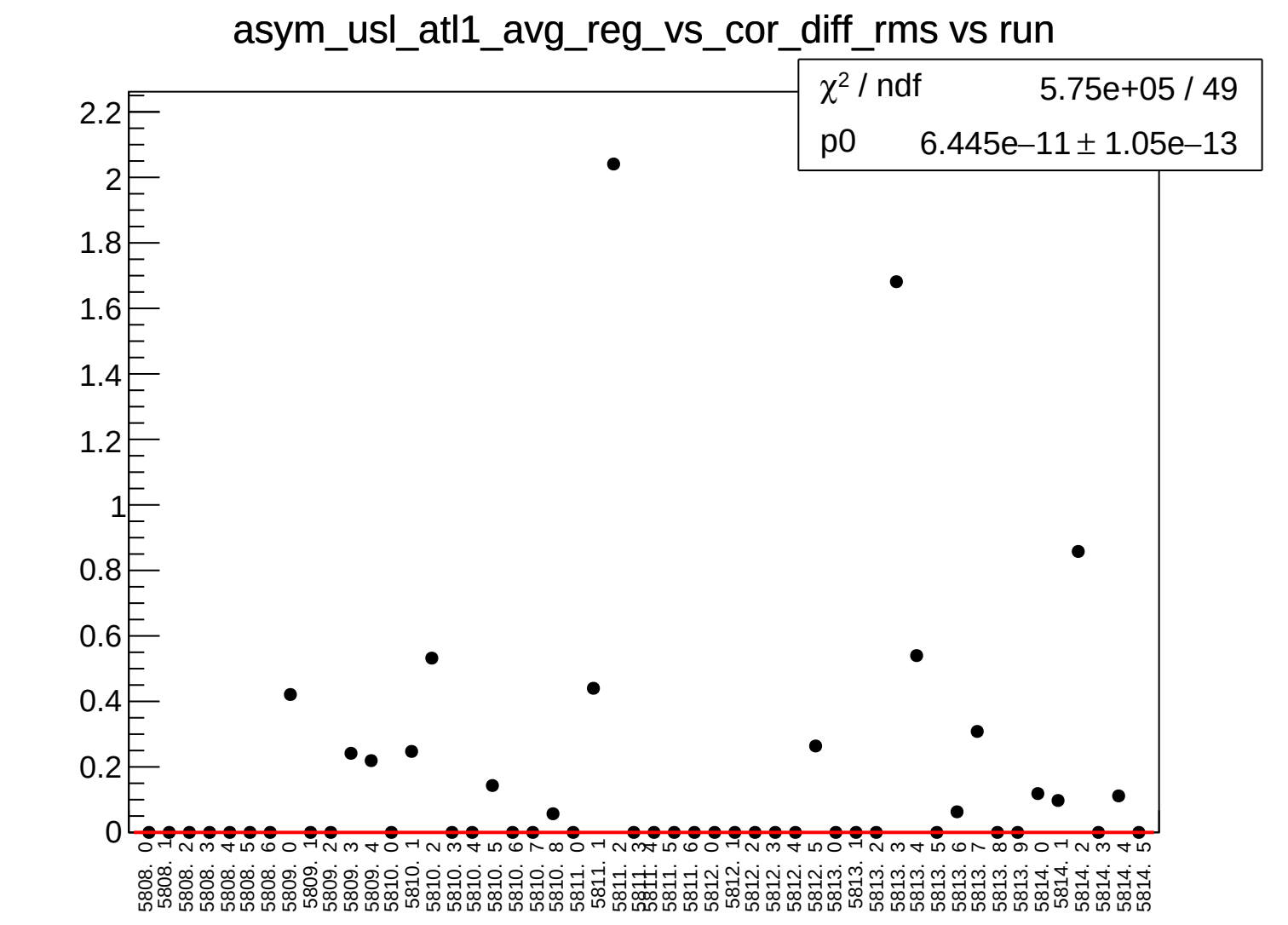
5814. 5


asym_usl_atl1_avg_mean vs run
χ² / ndf 46.14 / 49
p0 −8141 ± 3507
pull
Entries 50
Mean −63.28
Std Dev 0
pull1D
Entries 50
Mean 0.0199
Std Dev 0.9604


asym_usl_atl1_avg_rms vs run
χ² / ndf 477.1 / 49
p0 2419 ± 2.48
2550
2500
2450
2400
2350
2300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.13 / 49
p0 5.117e−14 ± 1.484e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 50
Mean 14.53
Std Dev 21.7
pull1D
Entries 50
Mean −0.1042
Std Dev 1.054


asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.75e+05 / 49
p0 6.445e−11 ± 1.05e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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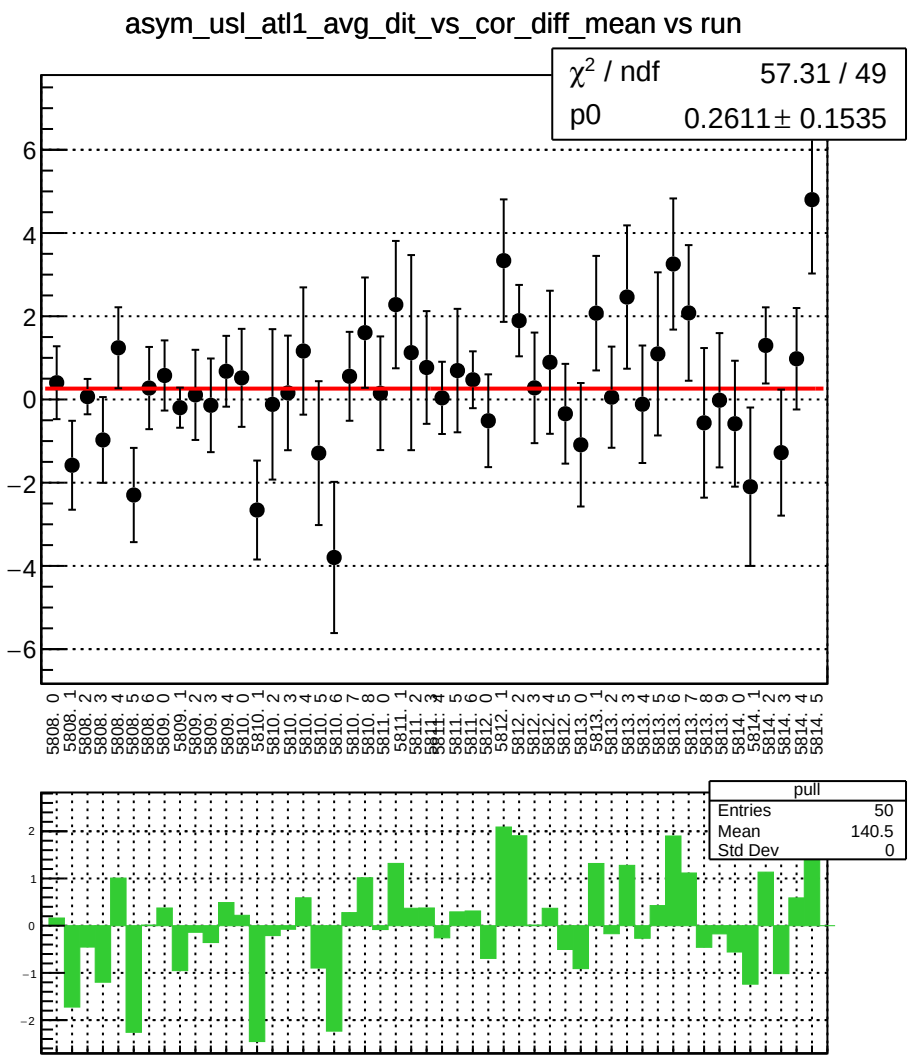
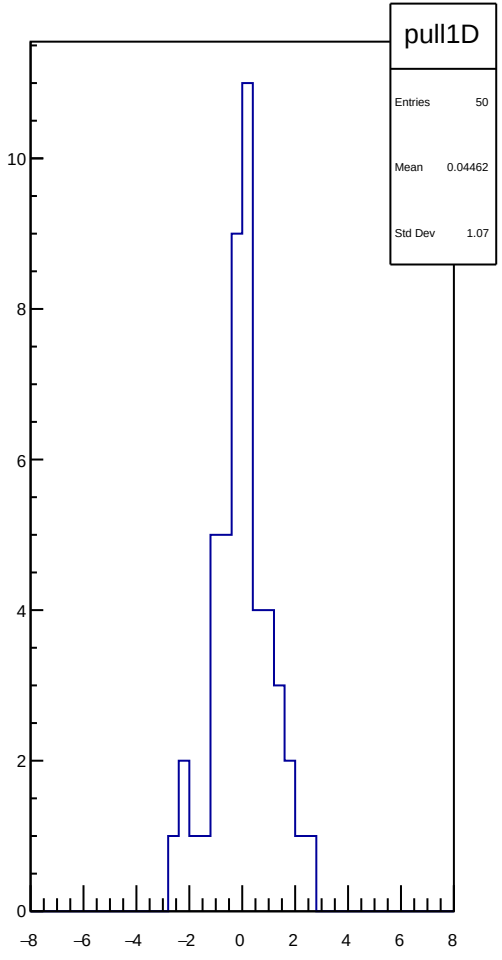
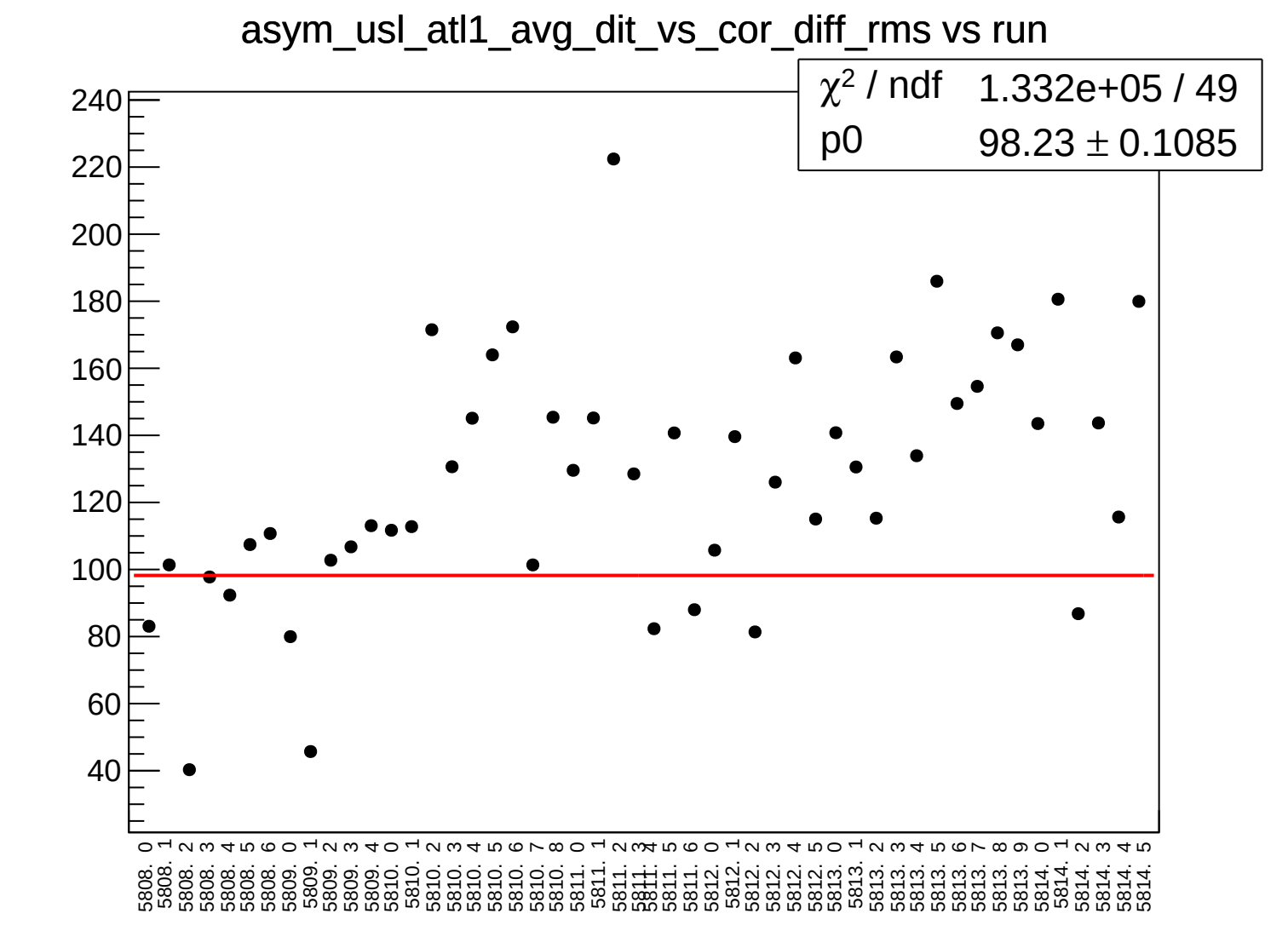
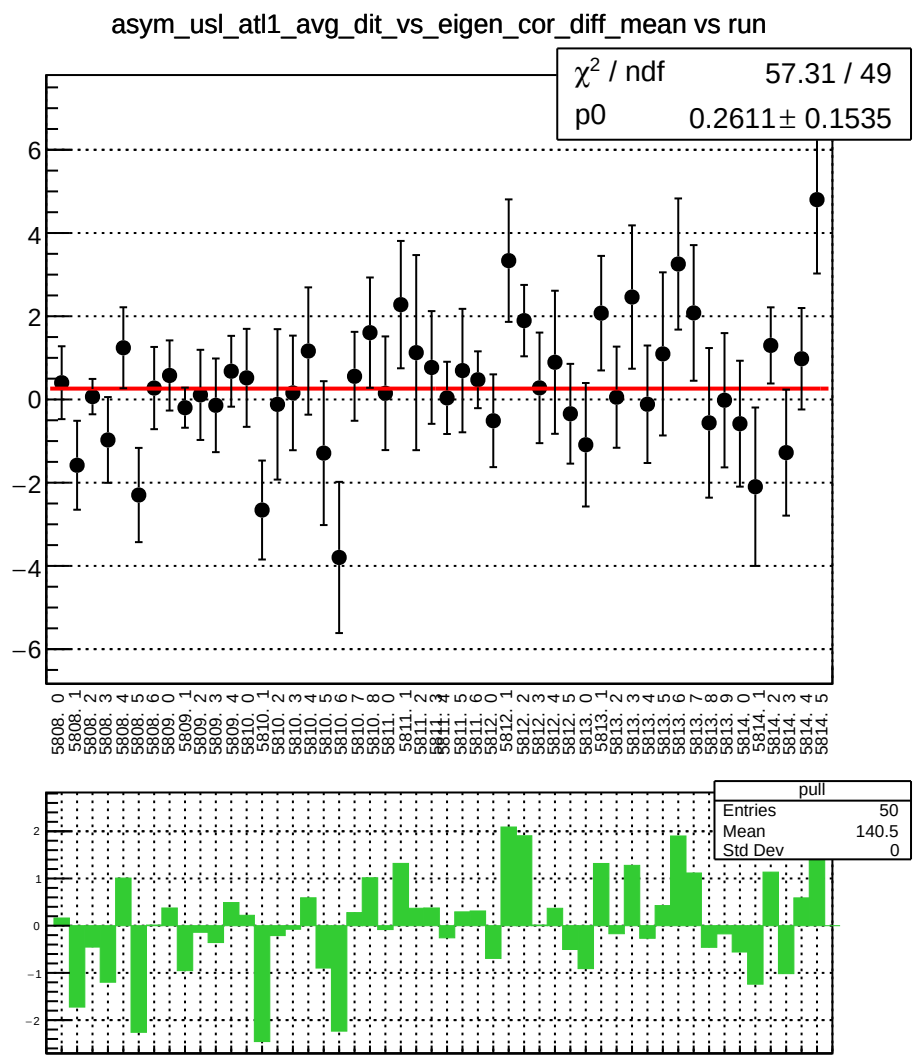
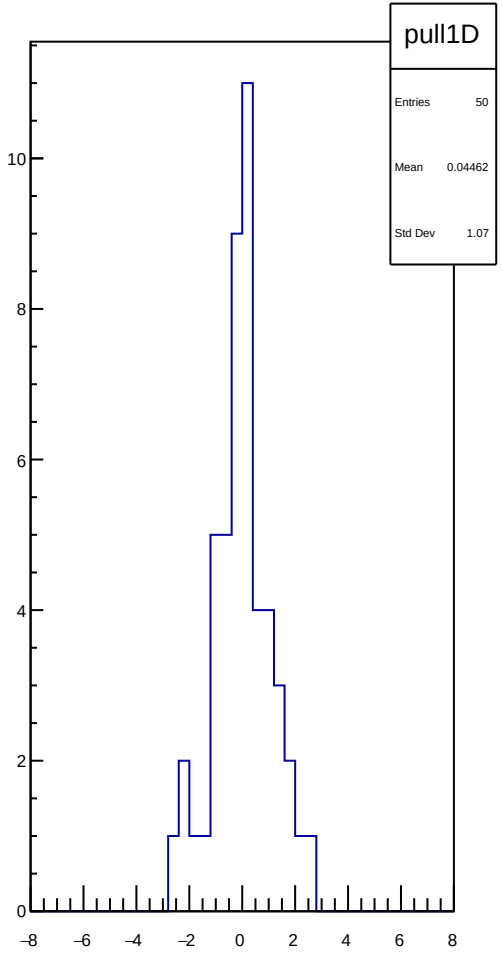
5814. 2
5814. 3
5814. 4
5814. 5

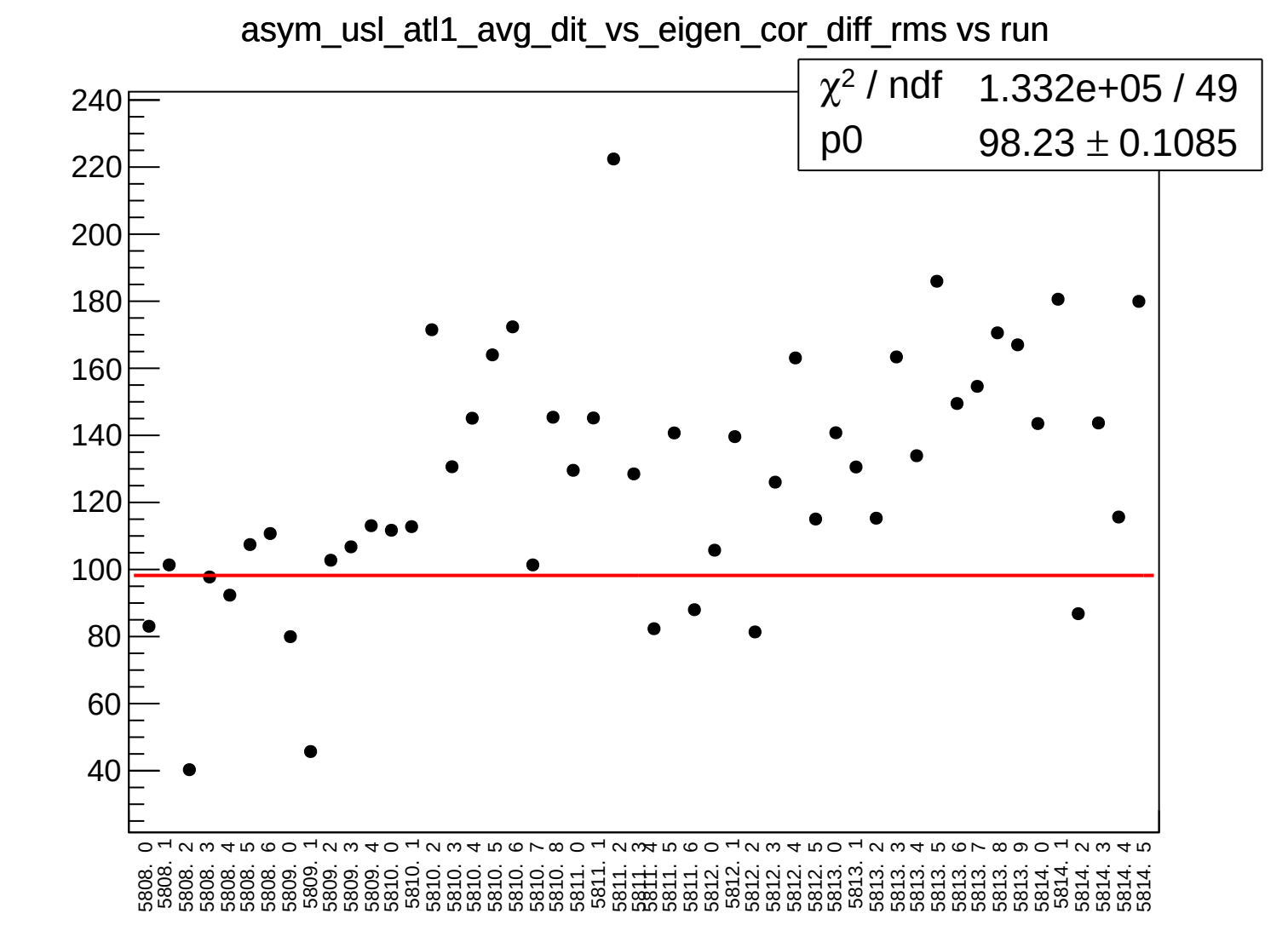

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.31 / 49
p0 0.2611 ± 0.1535
pull
Entries 50
Mean 140.5
Std Dev 0

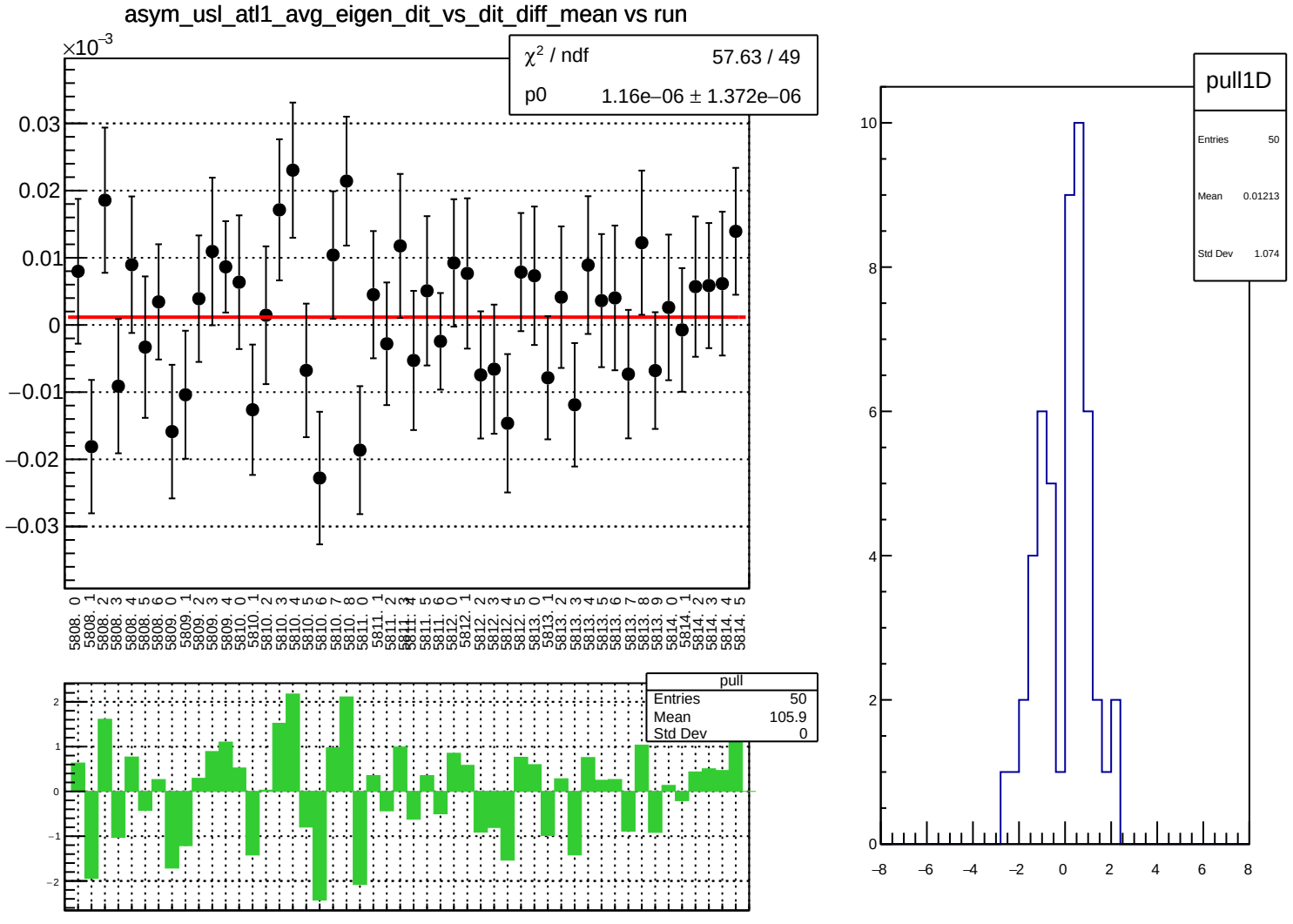

pull1D
Entries 50
Mean 0.04462
Std Dev 1.07

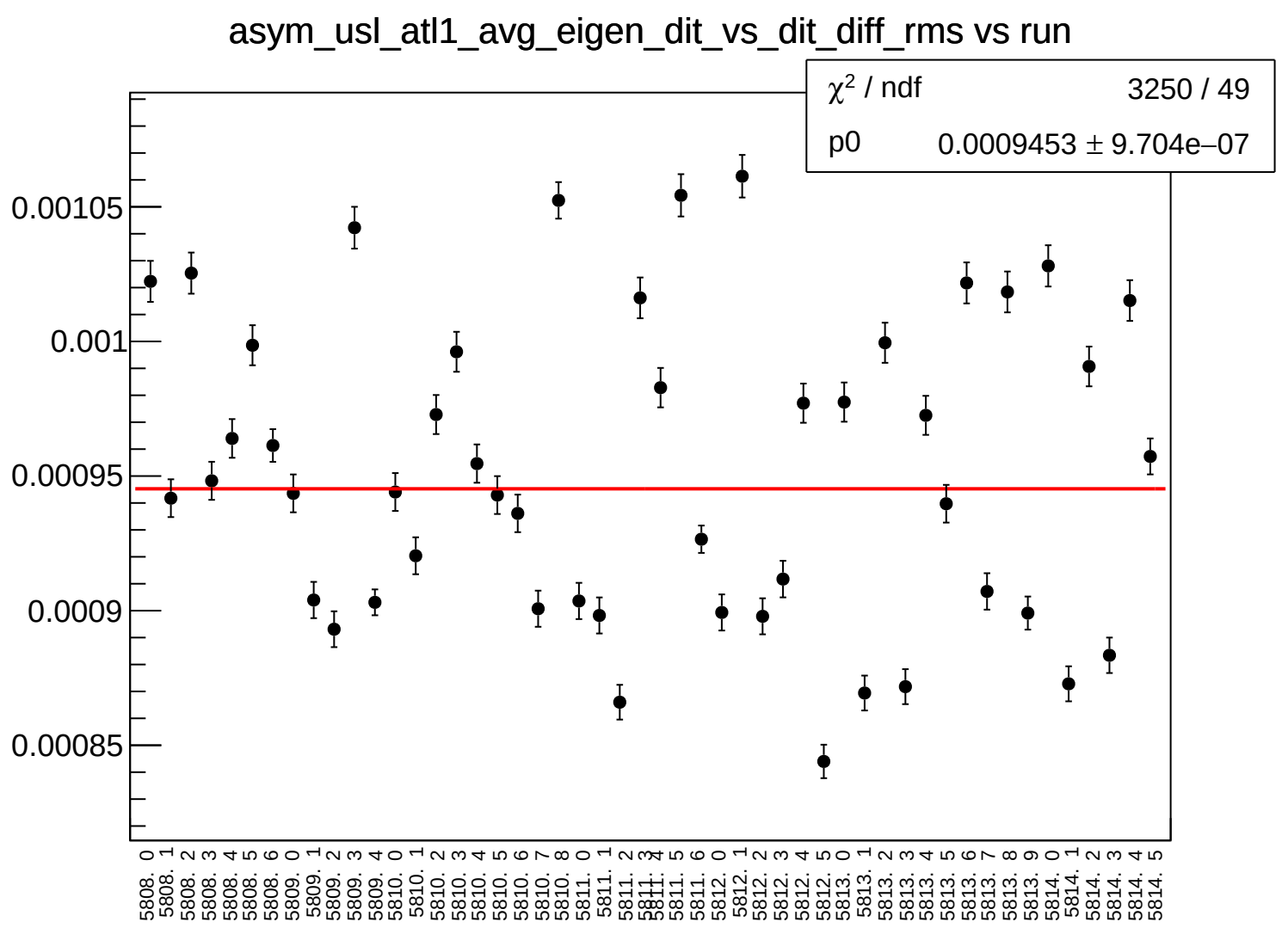

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 98.23 ± 0.1085
240
220
200
180
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

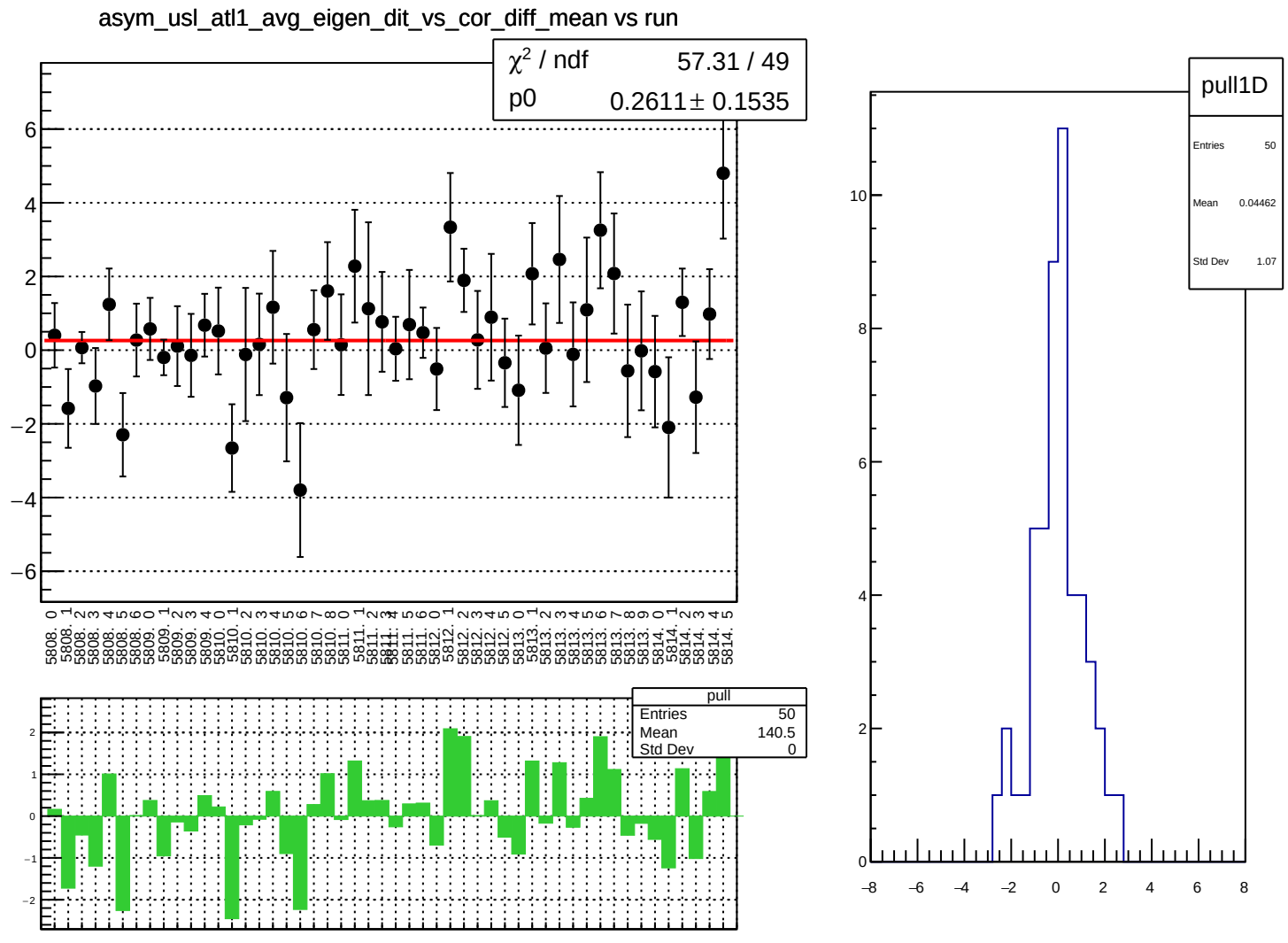

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.31 / 49
p0 0.2611± 0.1535
pull
Entries 50
Mean 140.5
Std Dev 0

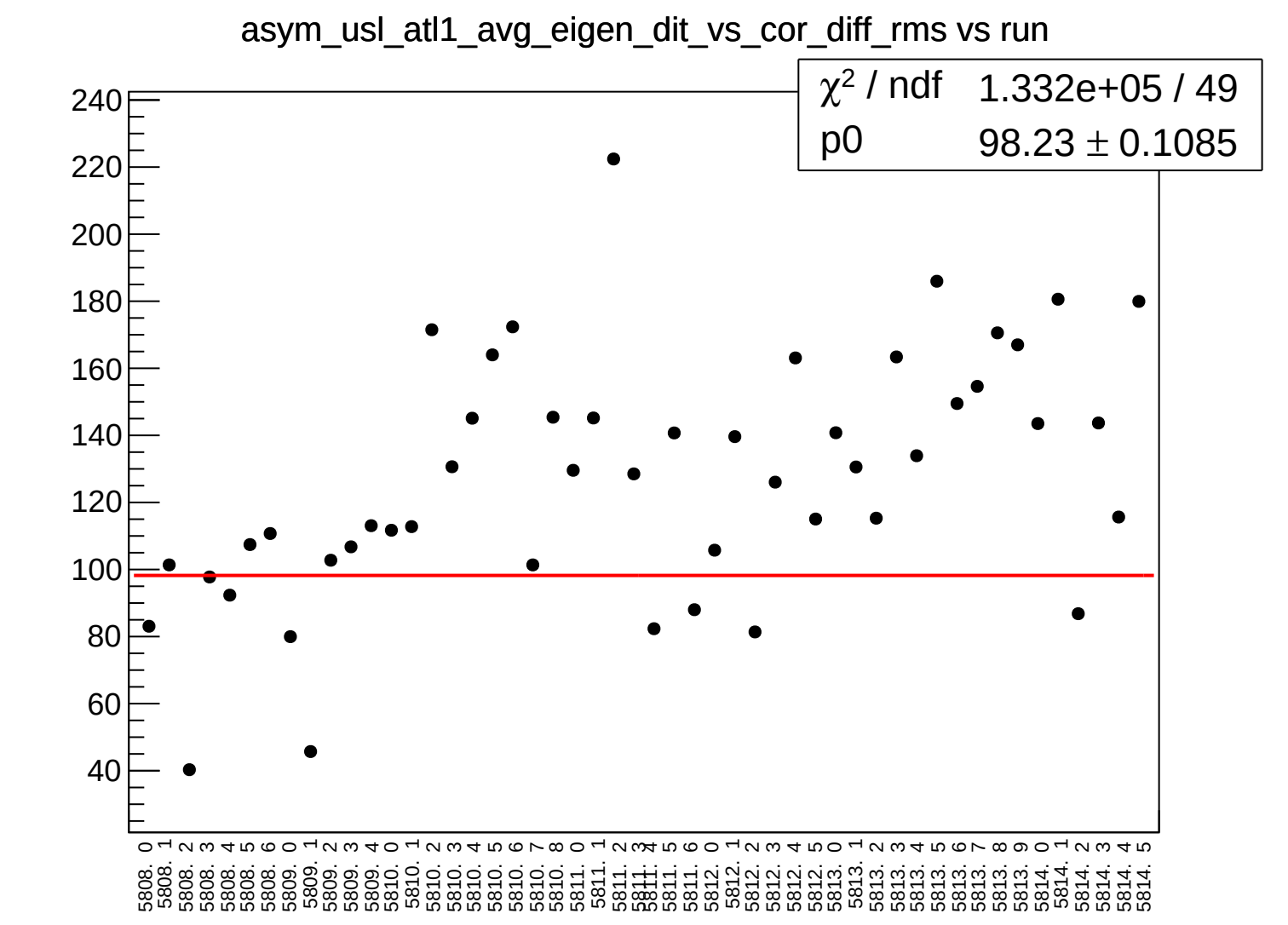

pull1D
Entries 50
Mean 0.04462
Std Dev 1.07

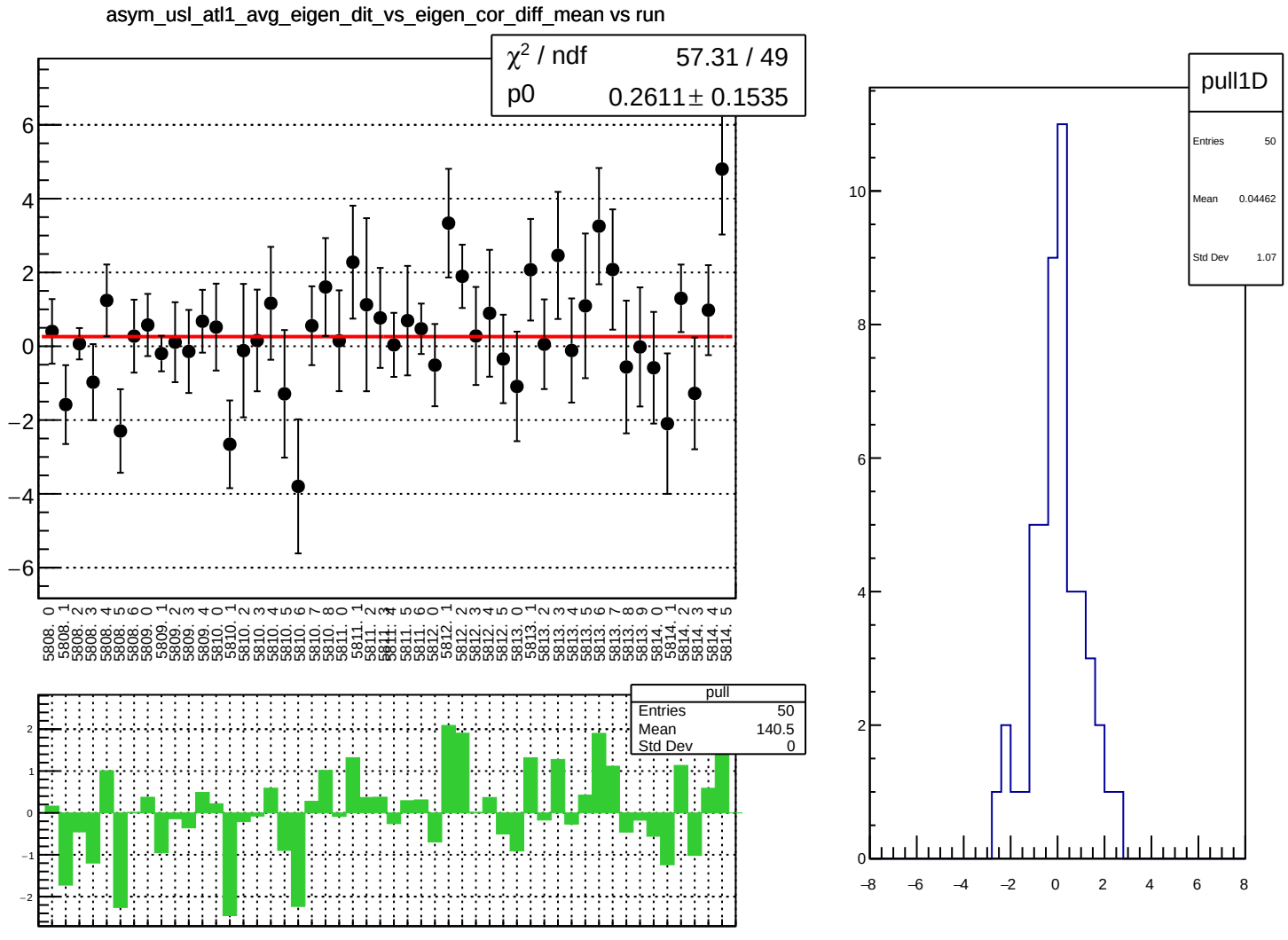

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 98.23 ± 0.1085
240
220
200
180
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

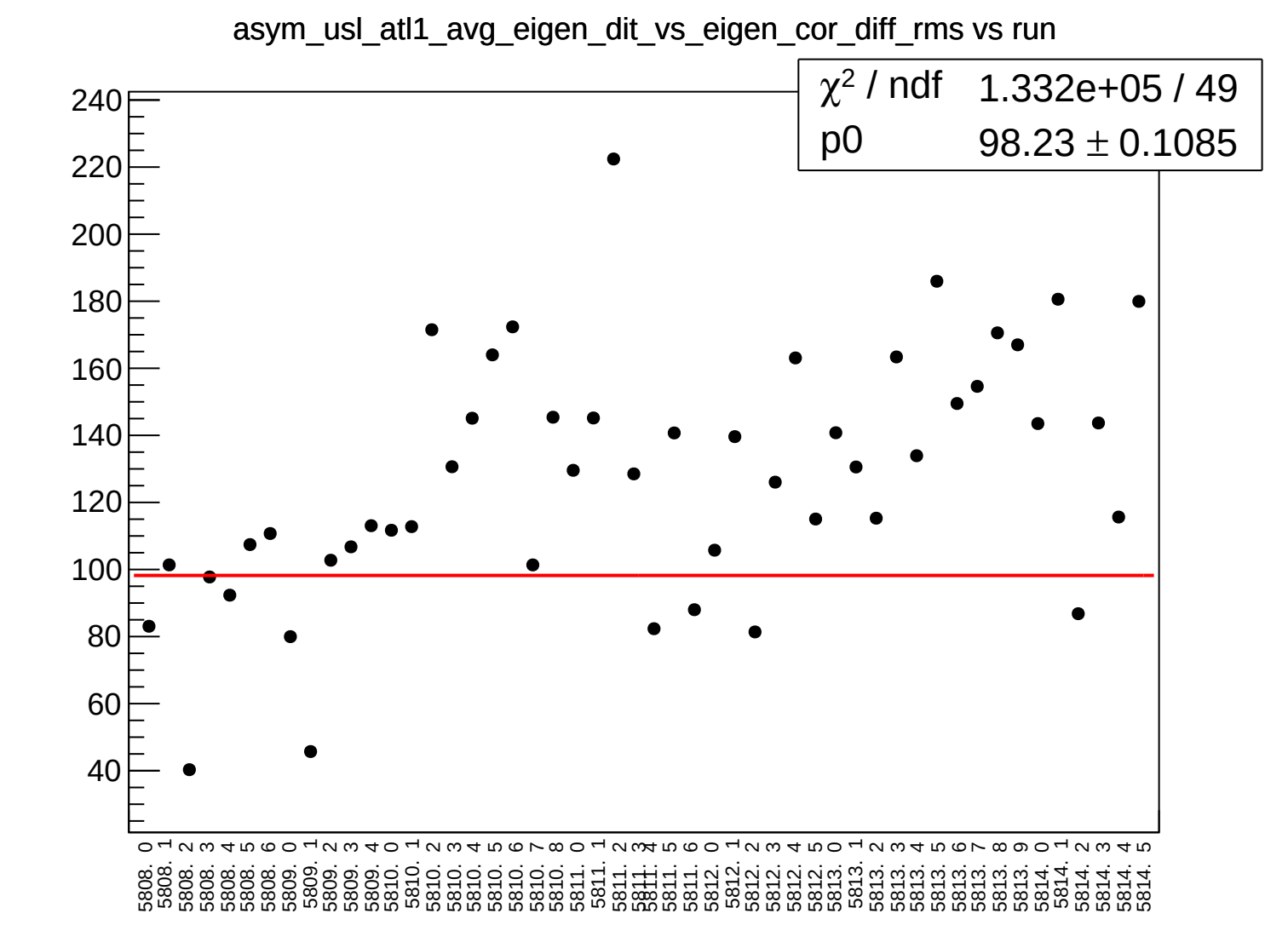

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 57.63 / 49
p0 1.16e−06 ± 1.372e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
pull
Entries 50
Mean 105.9
Std Dev 0
pull1D
Entries 50
Mean 0.01213
Std Dev 1.074

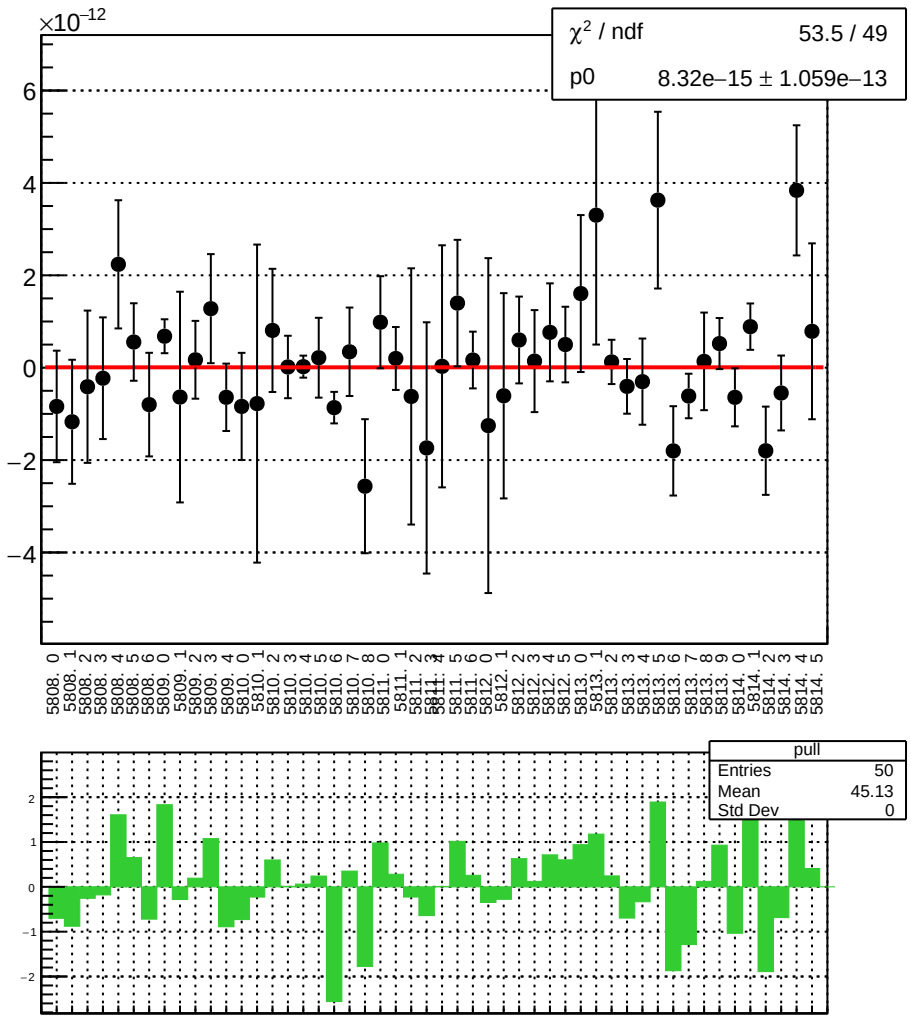

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3250 / 49
p0 0.0009453 ± 9.704e−07
0.00105
0.001
0.00095
0.0009
0.00085
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

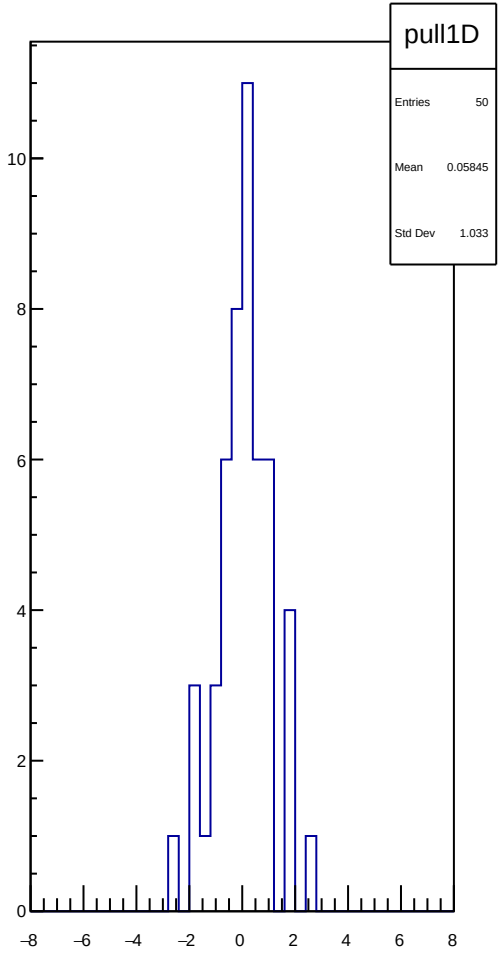

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.31 / 49
p0 0.2611± 0.1535
pull
Entries 50
Mean 140.5
Std Dev 0
pull1D
Entries 50
Mean 0.04462
Std Dev 1.07

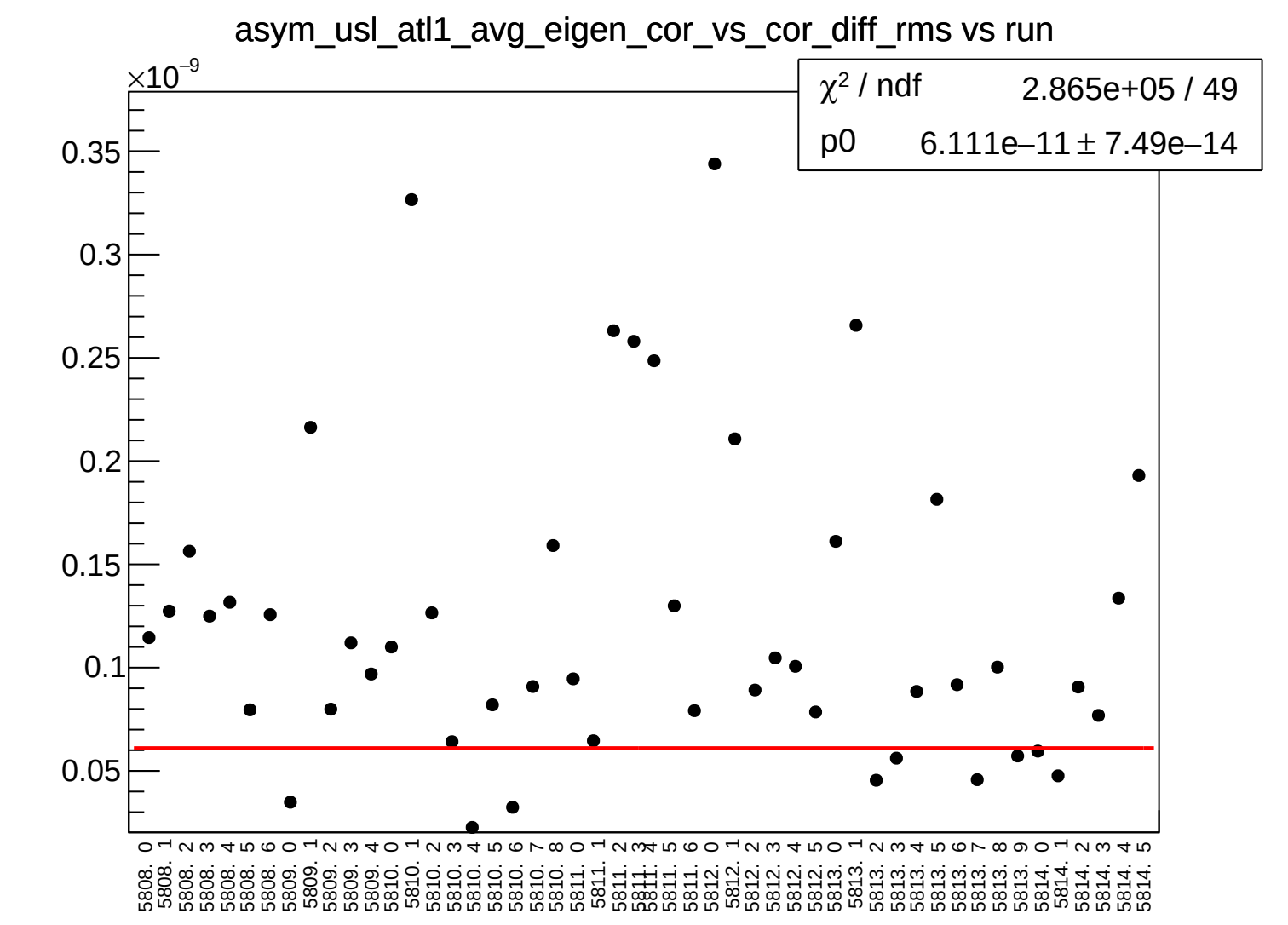

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 98.23 ± 0.1085
240
220
200
180
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

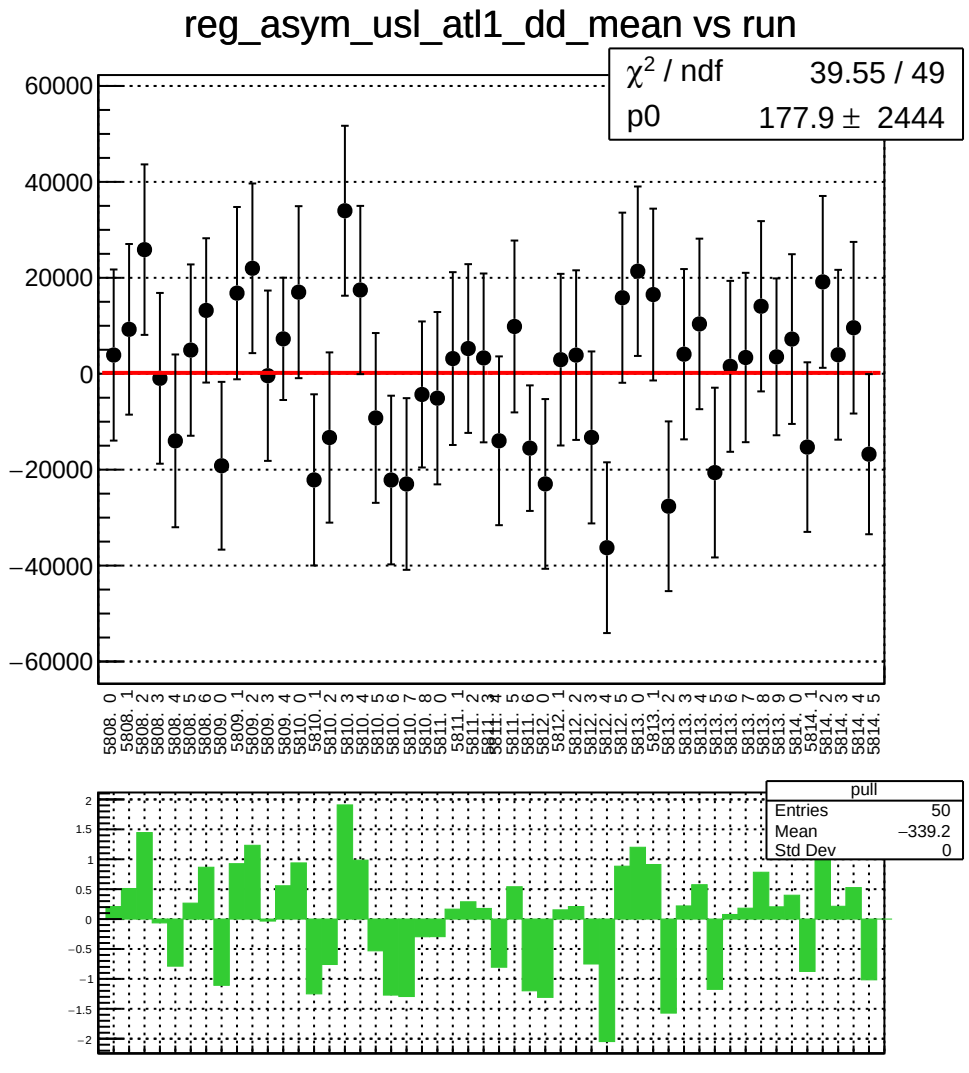

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.31 / 49
p0 0.2611± 0.1535
pull
Entries 50
Mean 140.5
Std Dev 0
pull1D
Entries 50
Mean 0.04462
Std Dev 1.07

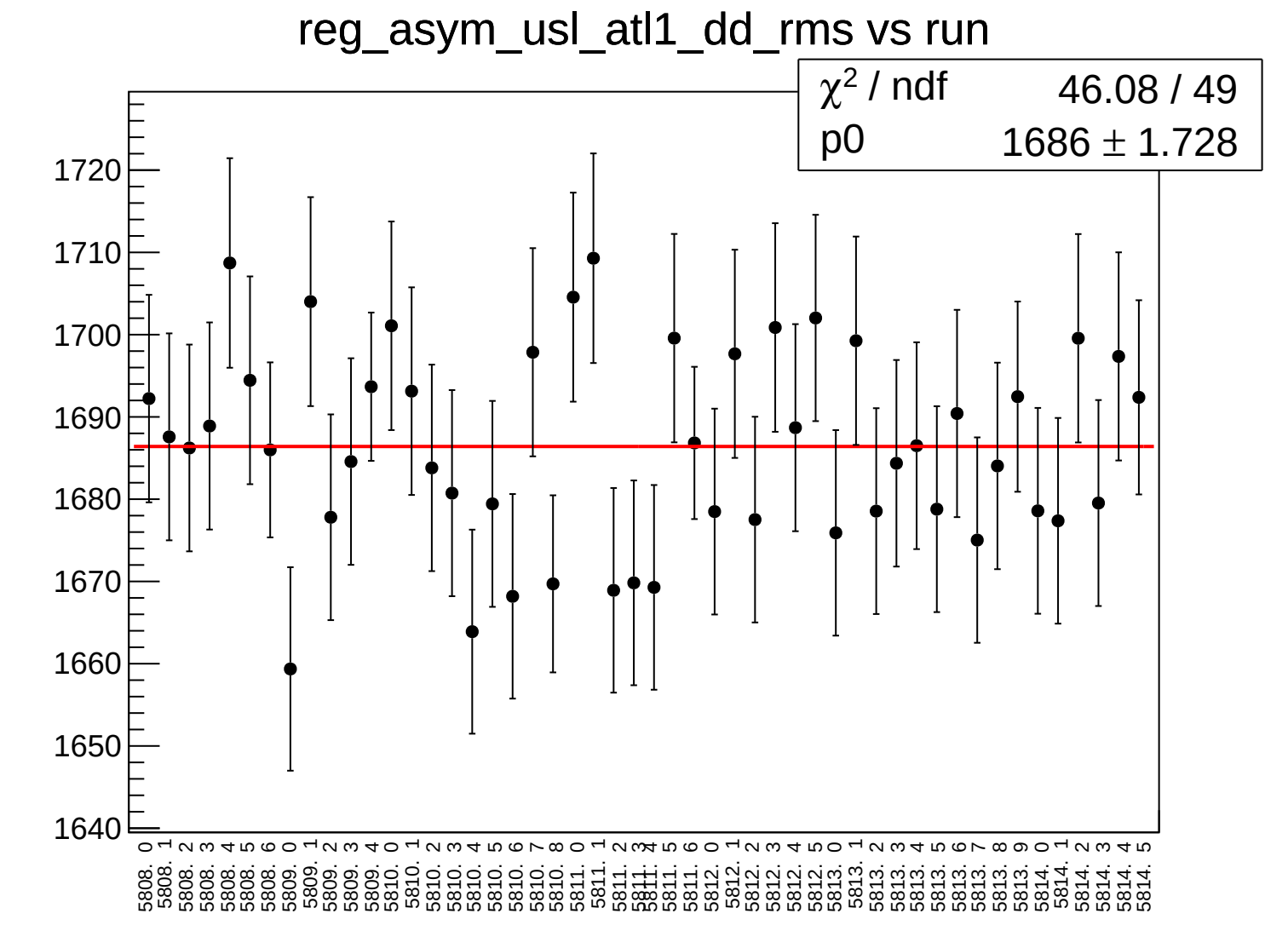

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 98.23 ± 0.1085
240
220
200
180
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

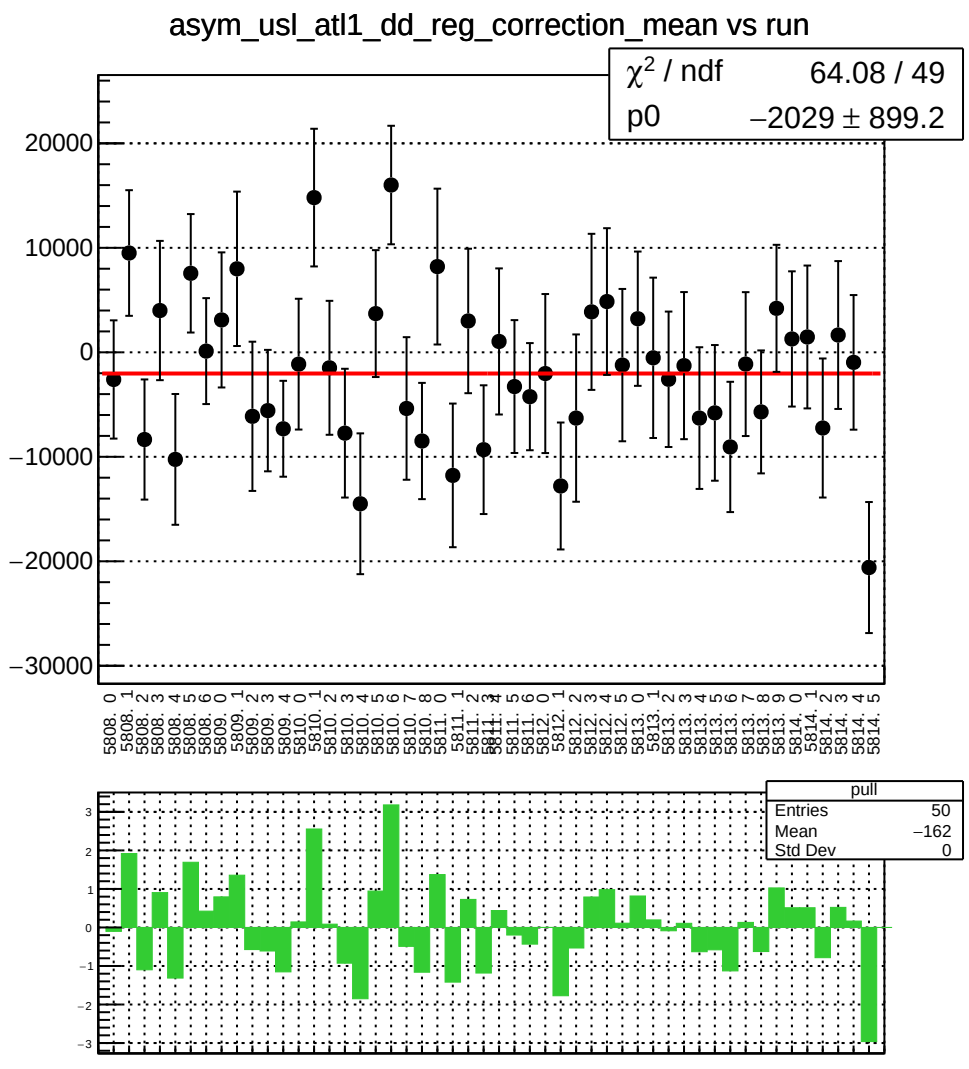

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.5 / 49
p0 8.32e−15 ± 1.059e−13
pull
Entries 50
Mean 45.13
Std Dev 0

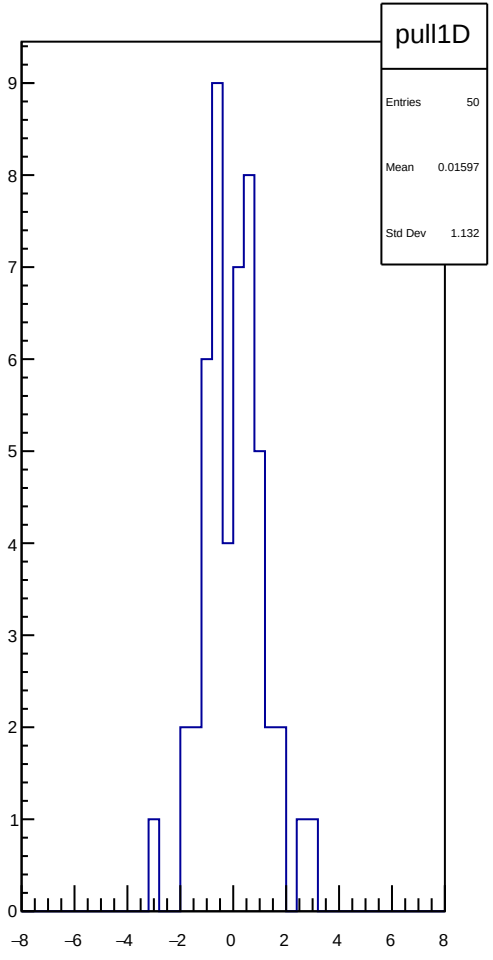

pull1D
Entries 50
Mean 0.05845
Std Dev 1.033

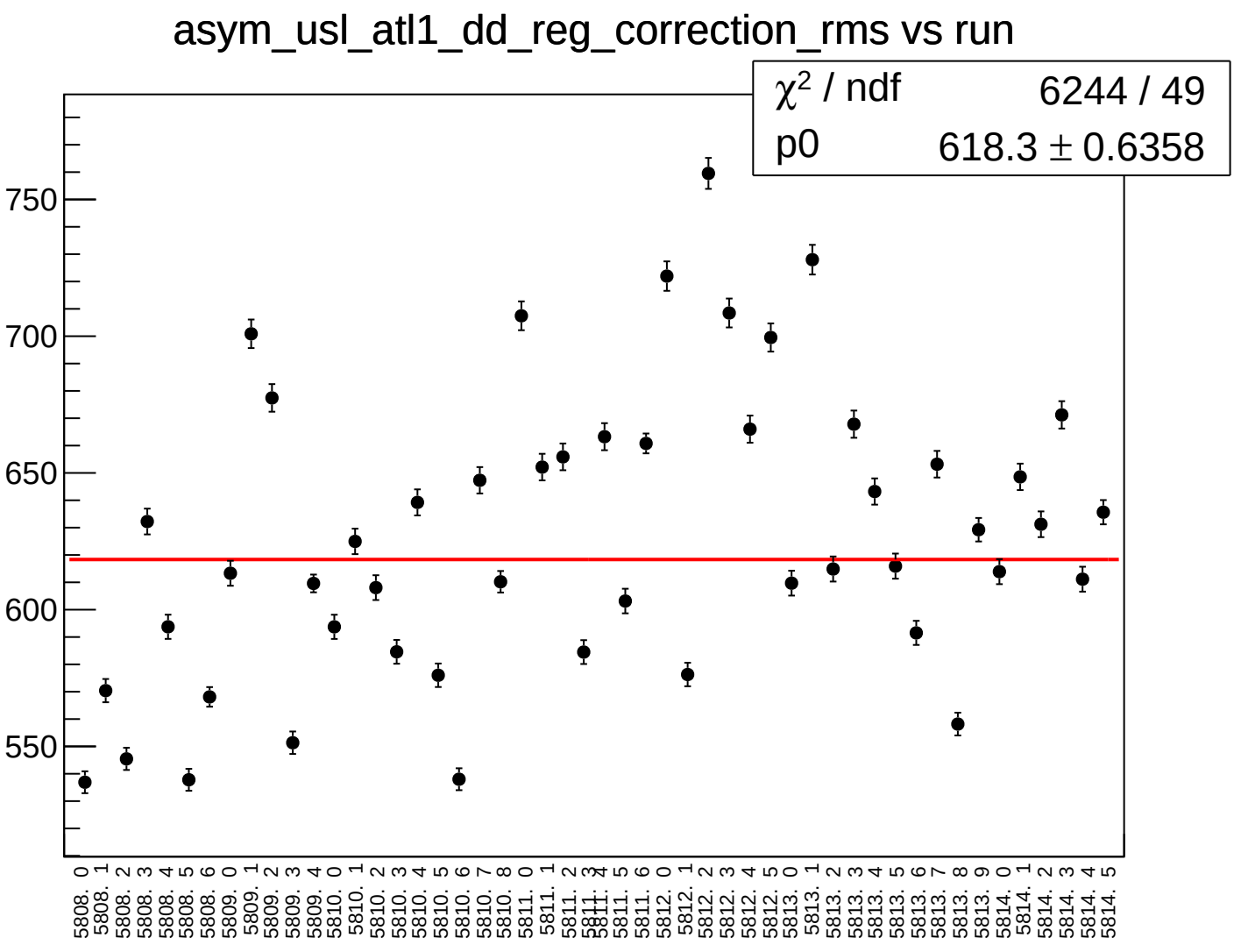

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.865e+05 / 49
p0 6.111e−11 ± 7.49e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.55 / 49
p0 177.9 ± 2444
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −339.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.003604
Std Dev 0.8894
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 46.08 / 49
p0 1686 ± 1.728
1720
1710
1700
1690
1680
1670
1660
1650
1640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 64.08 / 49
p0 −2029 ± 899.2
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −162
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01597
Std Dev 1.132
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 6244 / 49
p0 618.3 ± 0.6358
750
700
650
600
550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
5811. 6
5812. 0
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5813. 5
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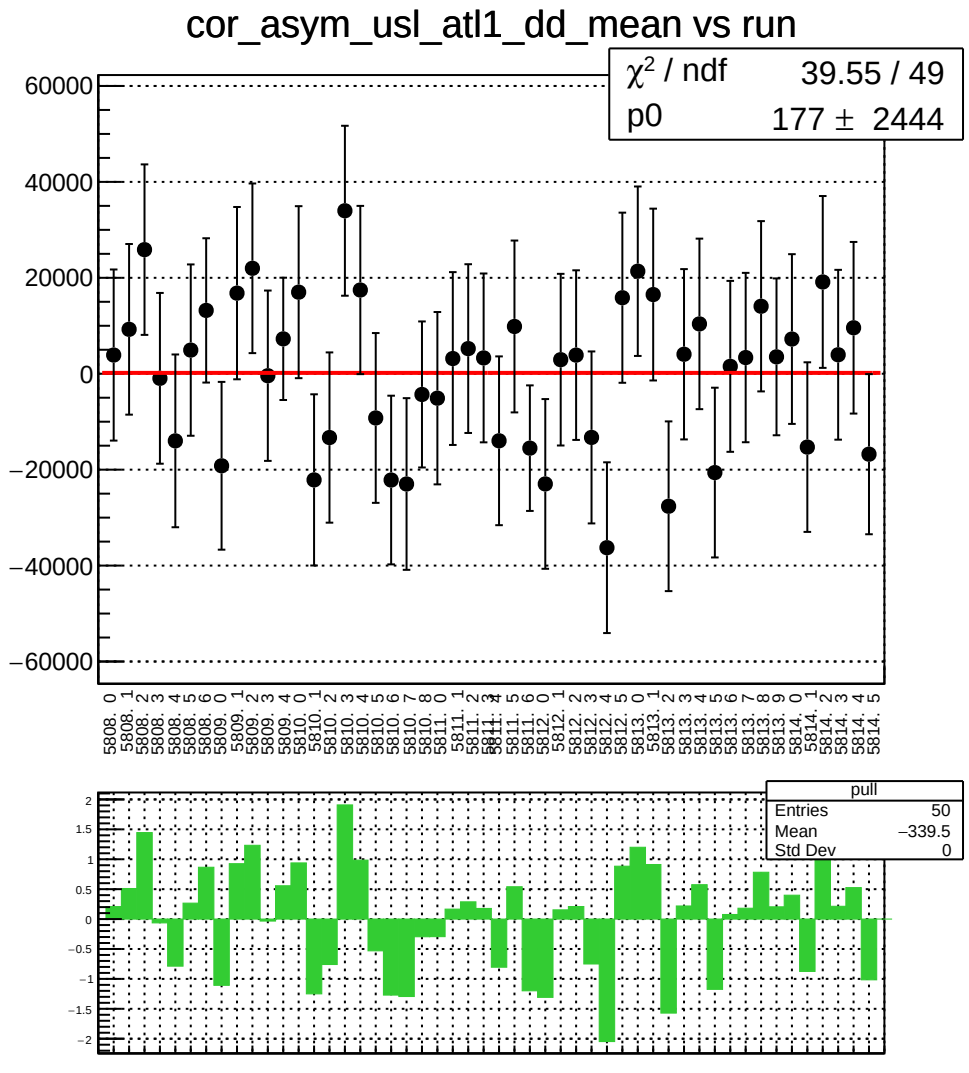
cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.55 / 49
p0 177 ± 2444
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −339.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.003602
Std Dev 0.8894
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10
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4
2
0
−8
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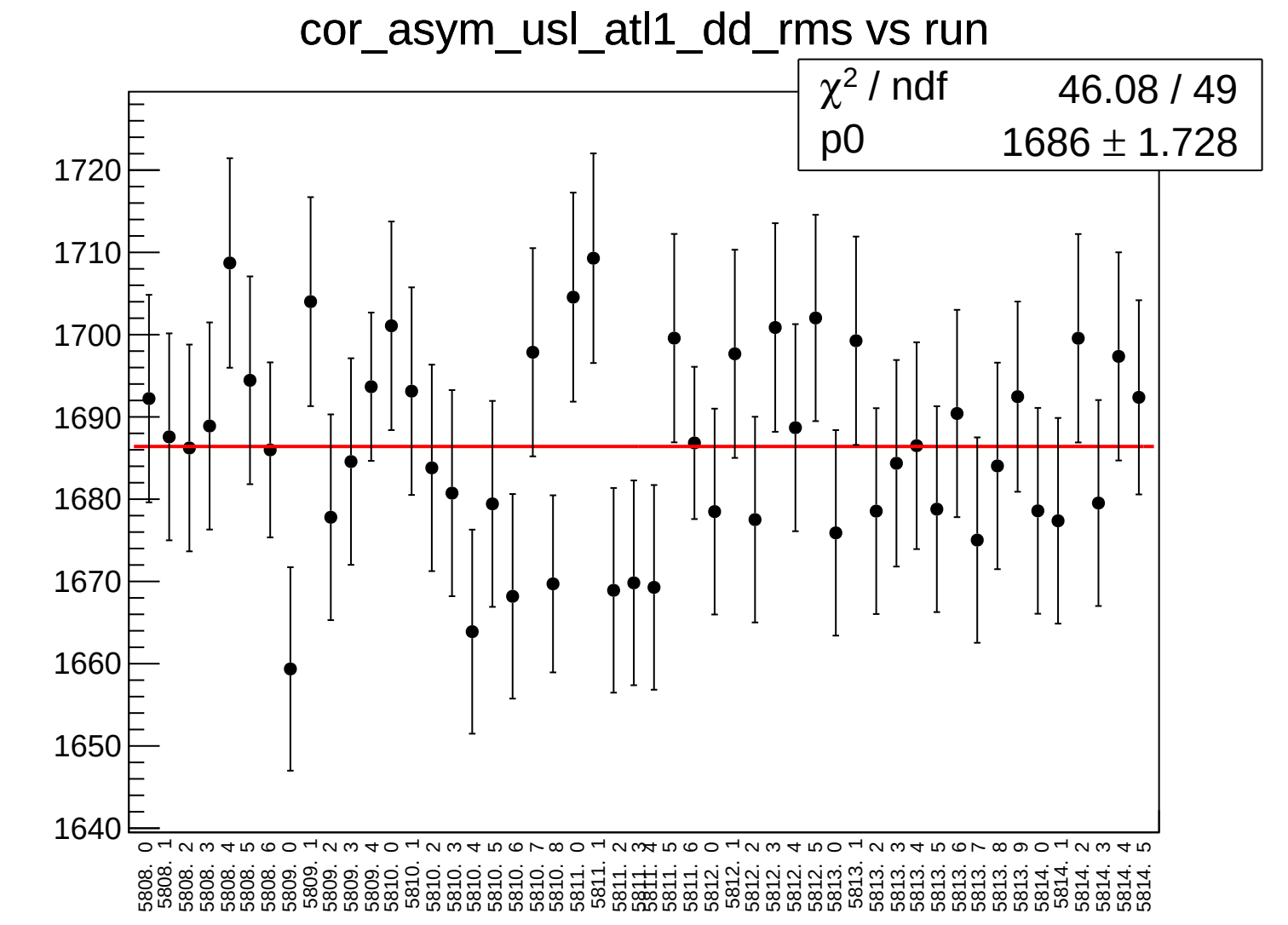
−4
−2
0
2
4
6
8


cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 46.08 / 49
p0 1686 ± 1.728
1720
1710
1700
1690
1680
1670
1660
1650
1640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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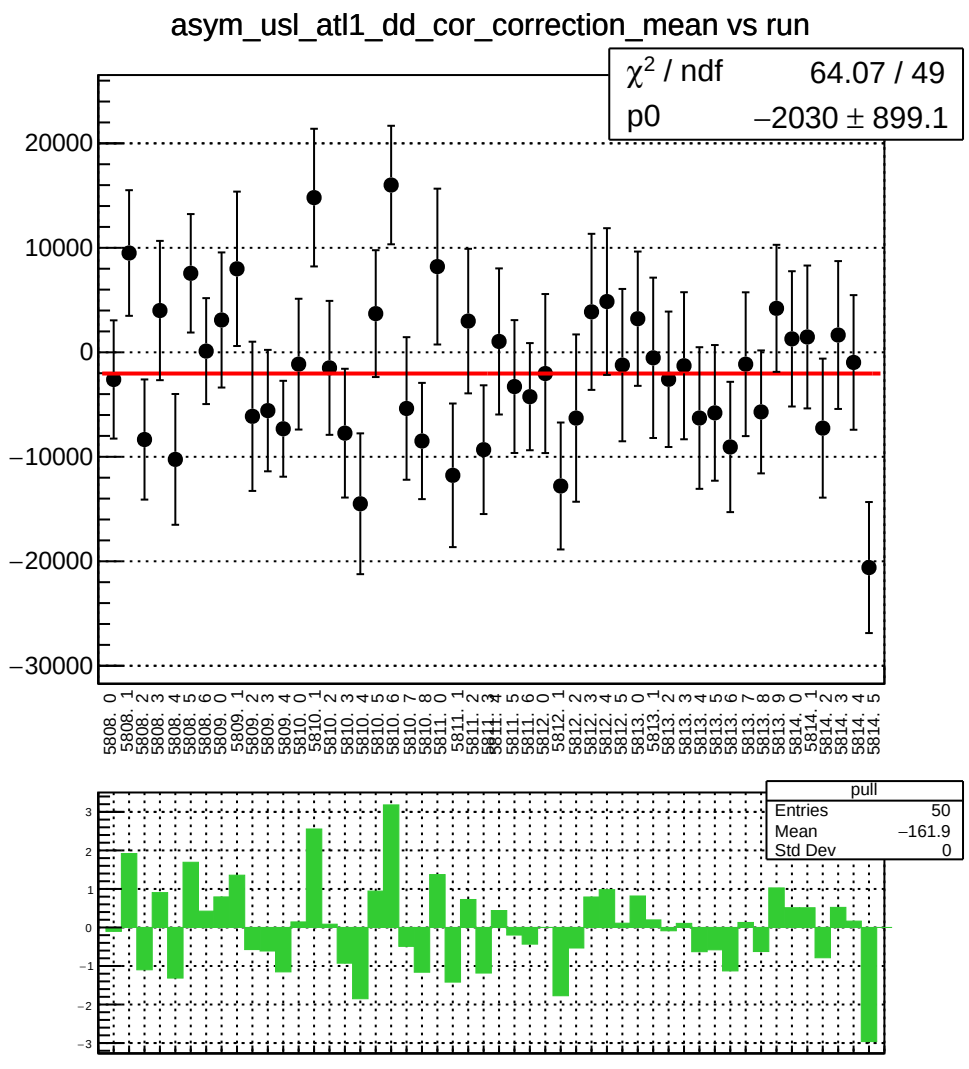
asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 64.07 / 49
p0 −2030 ± 899.1
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
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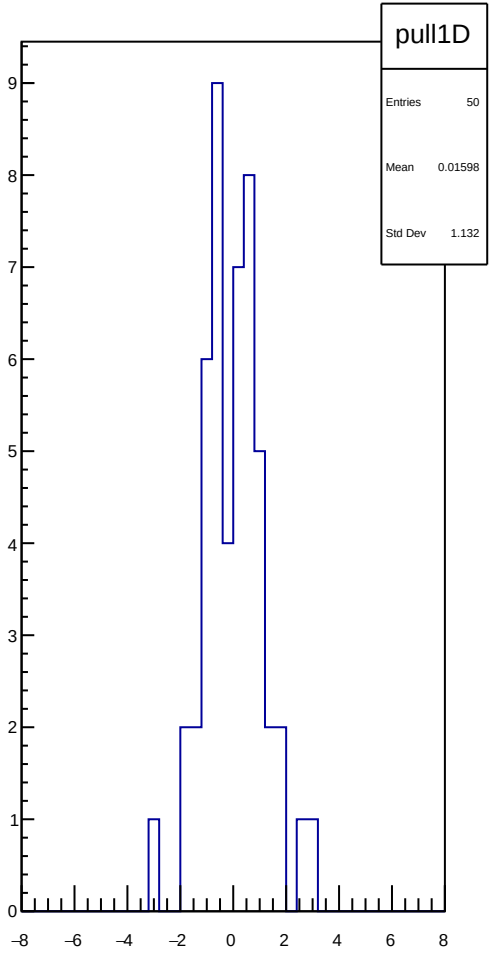
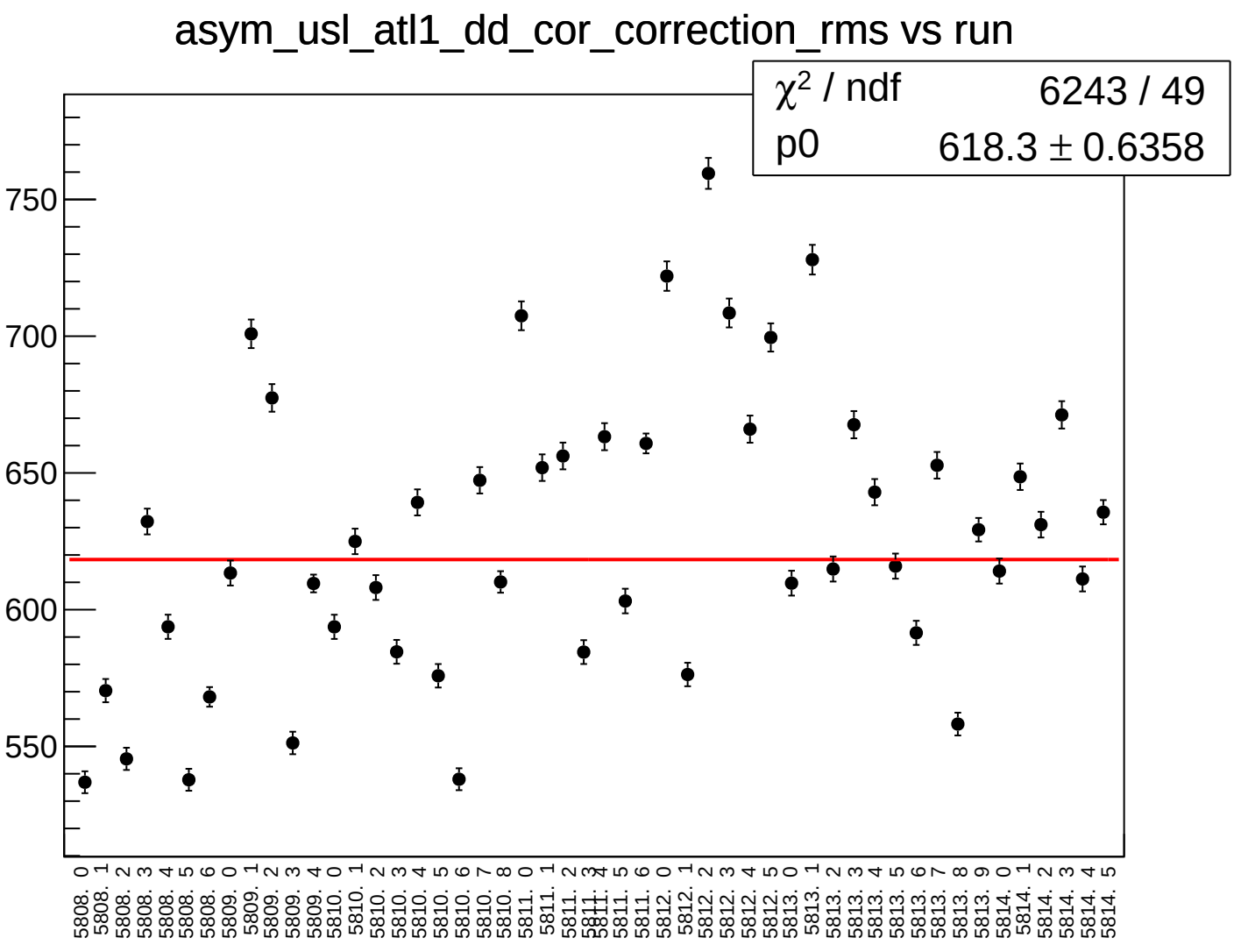
5814. 5
pull
Entries 50
Mean −161.9
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01598
Std Dev 1.132
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 6243 / 49
p0 618.3 ± 0.6358
750
700
650
600
550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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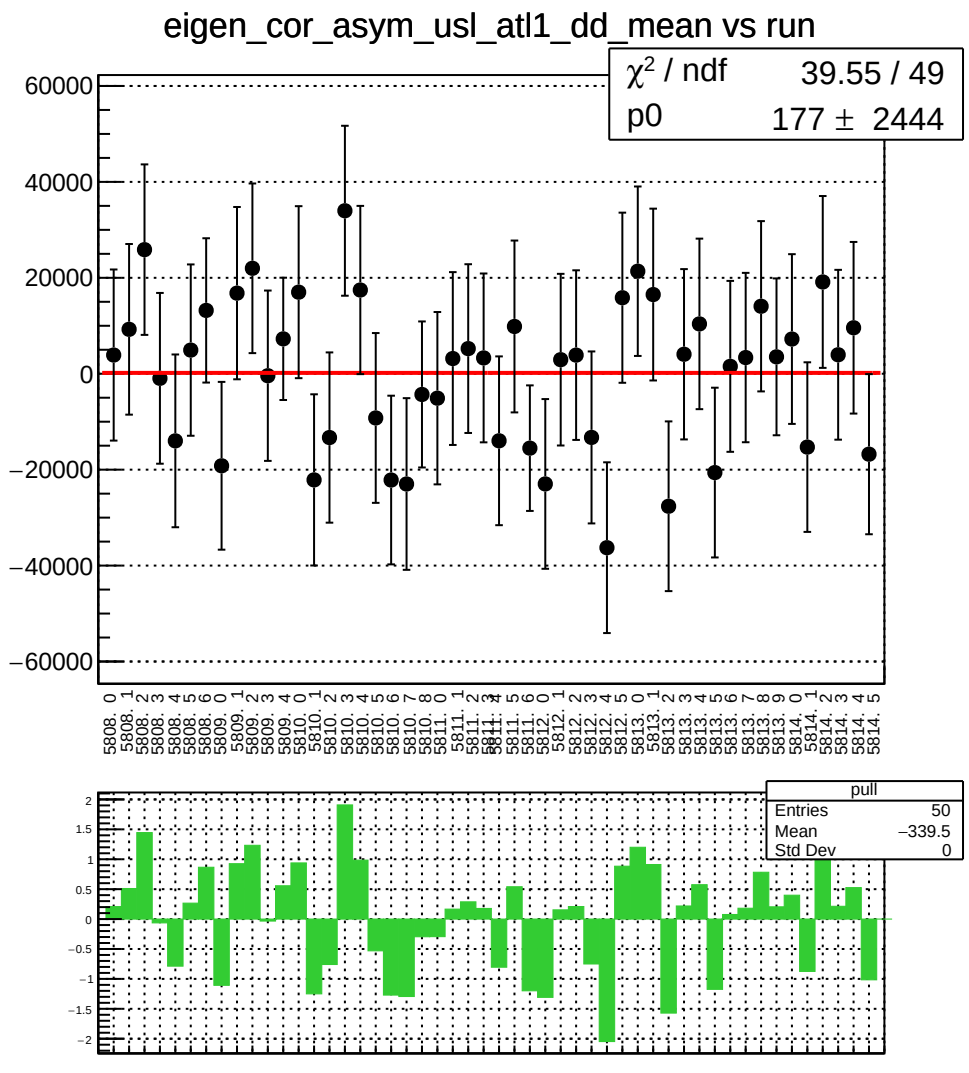
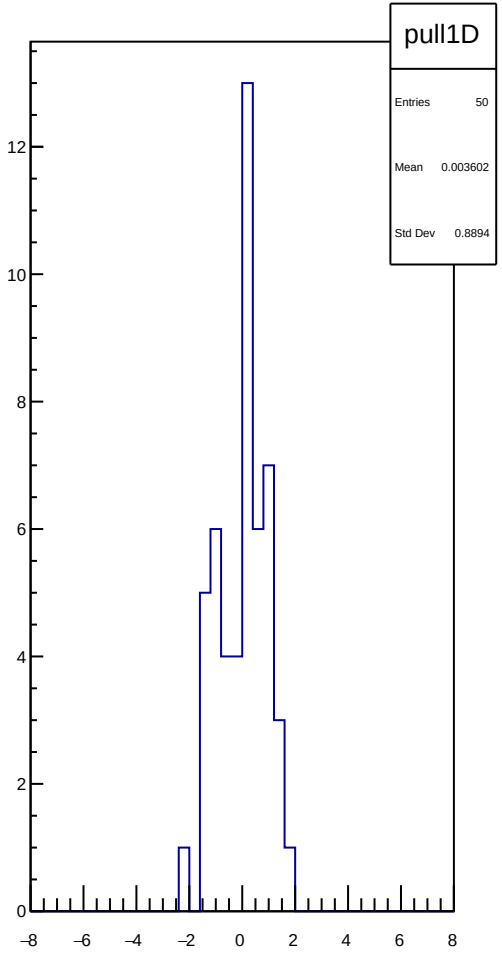
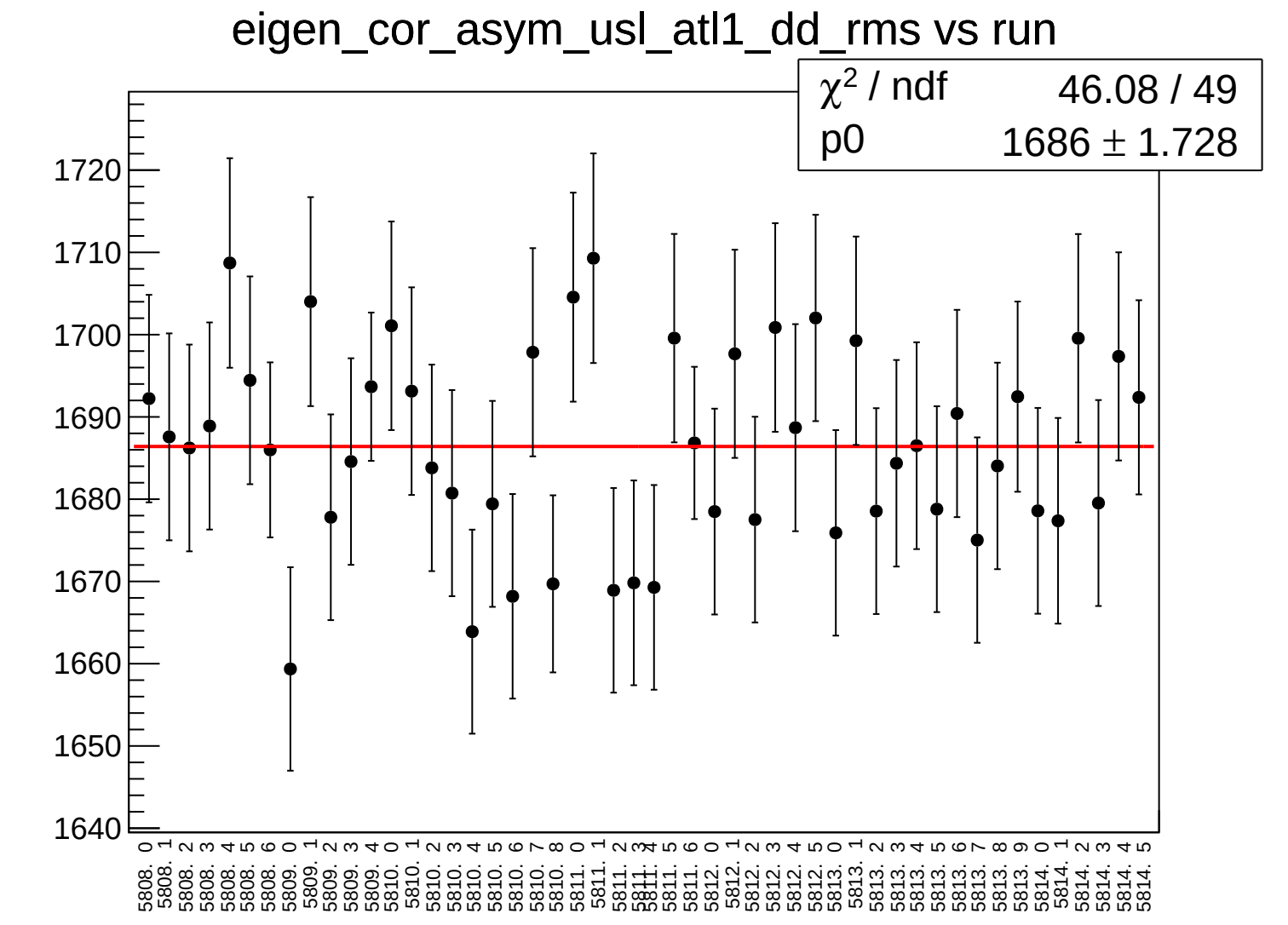
5814. 4
5814. 5


eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.55 / 49
p0 177 ± 2444
pull
Entries 50
Mean −339.5
Std Dev 0


pull1D
Entries 50
Mean 0.003602
Std Dev 0.8894


eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 46.08 / 49
p0 1686 ± 1.728
1720
1710
1700
1690
1680
1670
1660
1650
1640
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5812. 2
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5812. 4
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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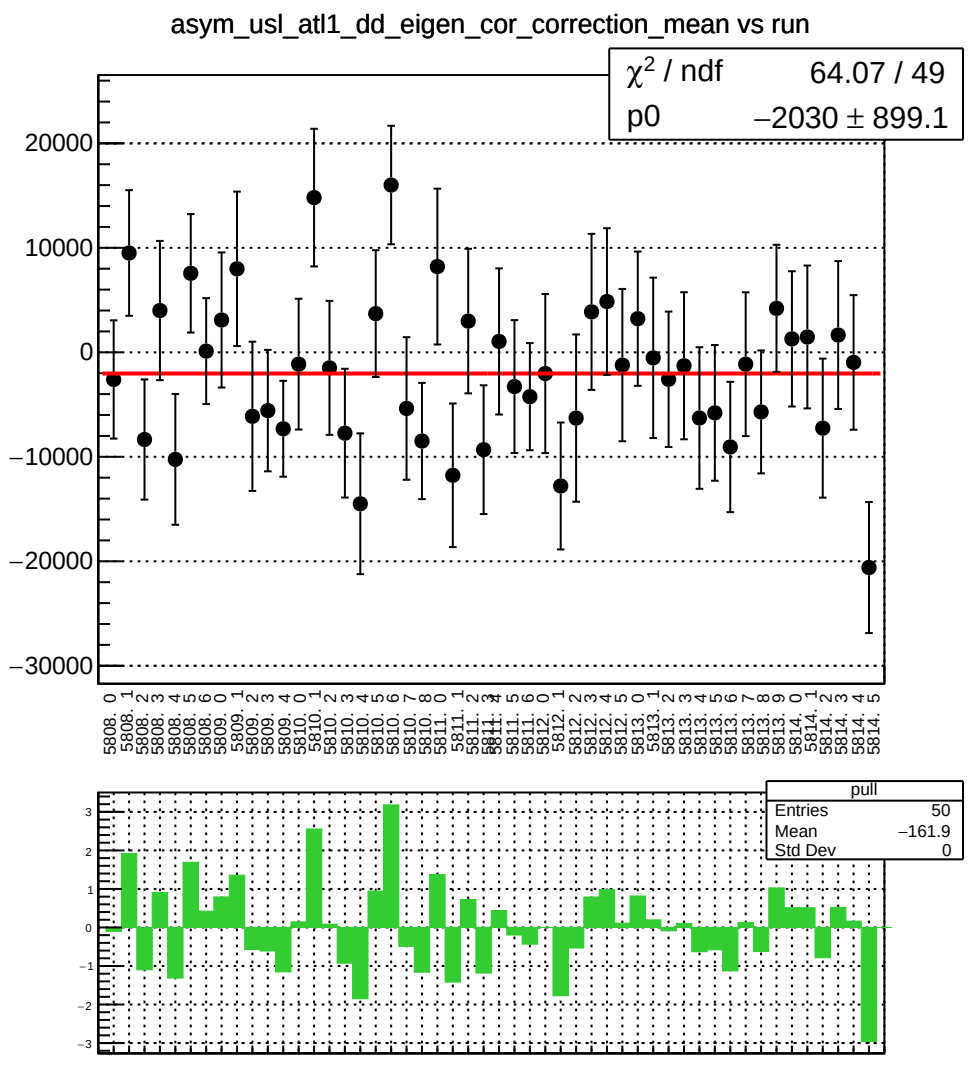
5814. 4
5814. 5


asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 64.07 / 49
p0 −2030 ± 899.1
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −161.9
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01598
Std Dev 1.132
9
8
7
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5
4
3
2
1
0
−8
−6
−4
−2
0
2
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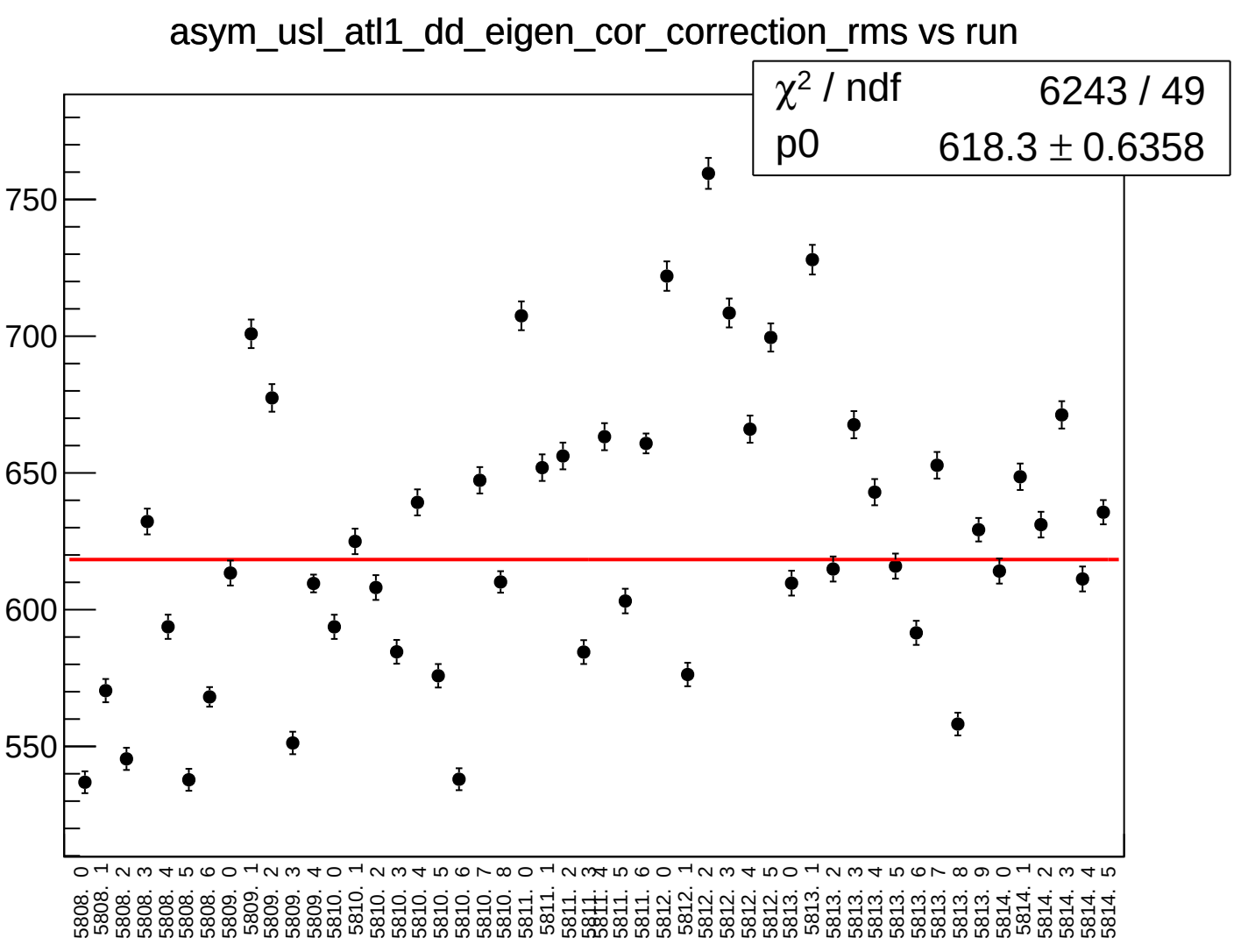
6
8


asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 6243 / 49
p0 618.3 ± 0.6358
750
700
650
600
550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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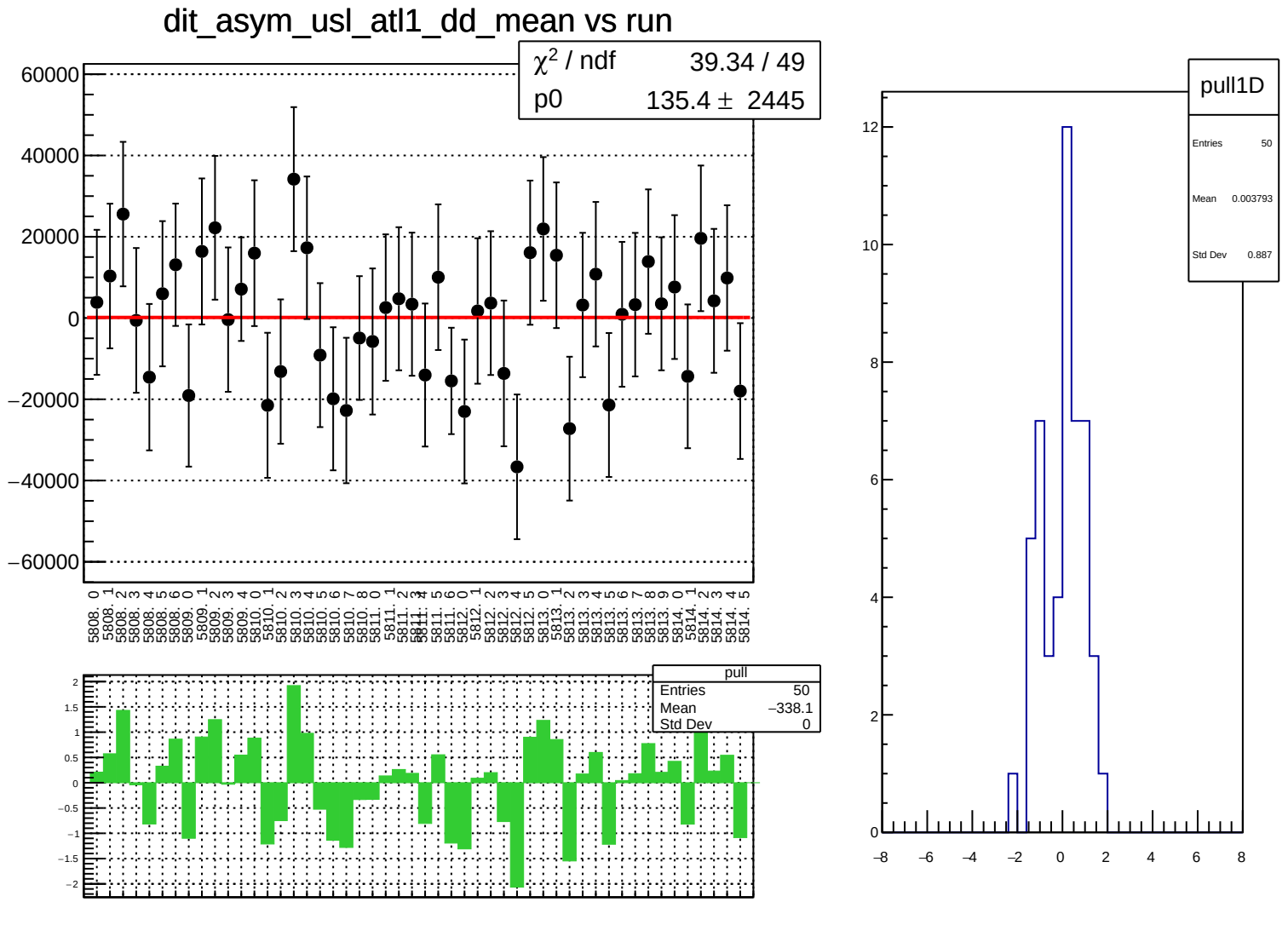
5814. 5


dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.34 / 49
p0 135.4 ± 2445
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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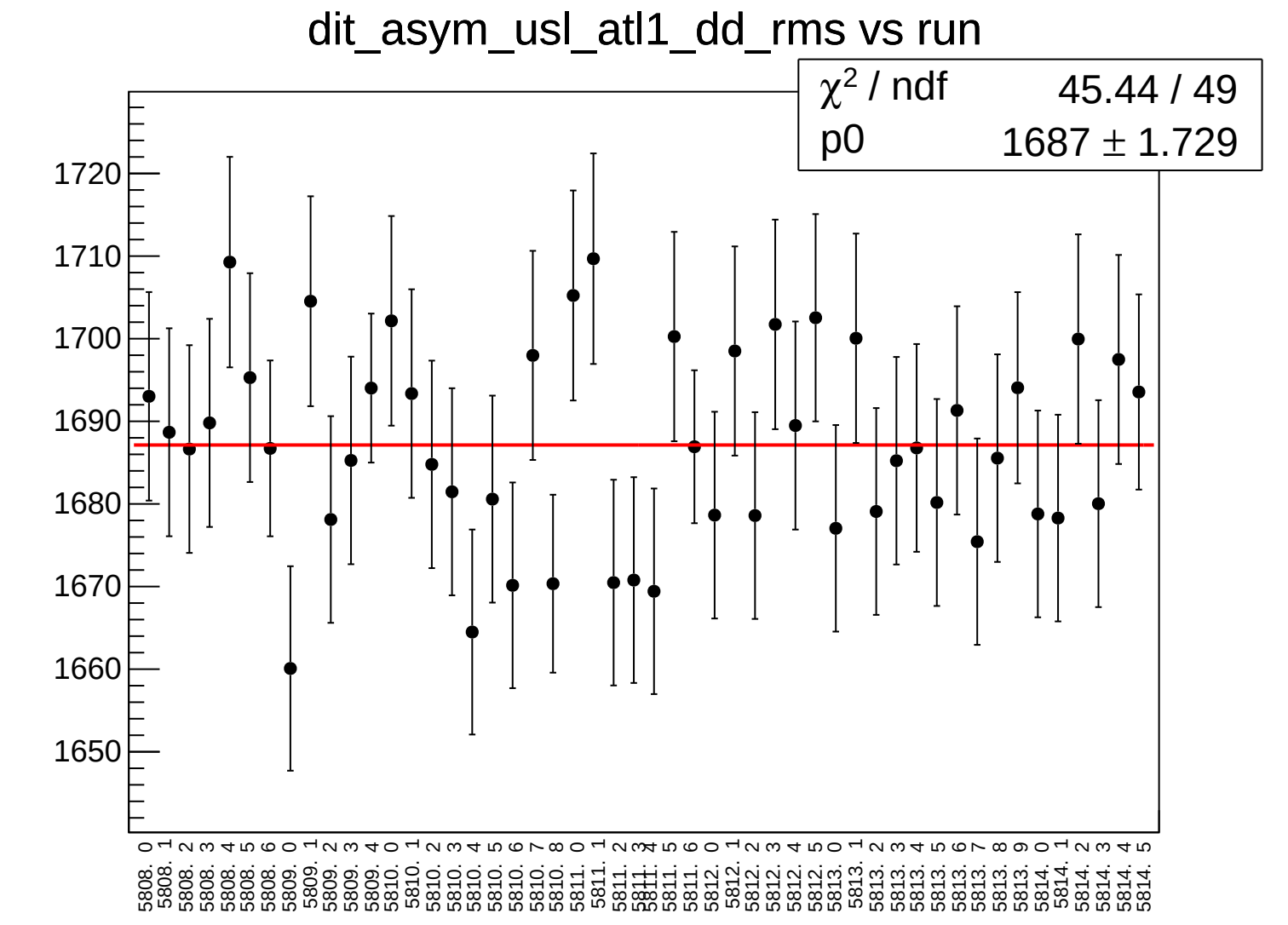
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −338.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.003793
Std Dev 0.887
12
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 45.44 / 49
p0 1687 ± 1.729
1720
1710
1700
1690
1680
1670
1660
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
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5813. 1
5813. 2
5813. 3
5813. 4
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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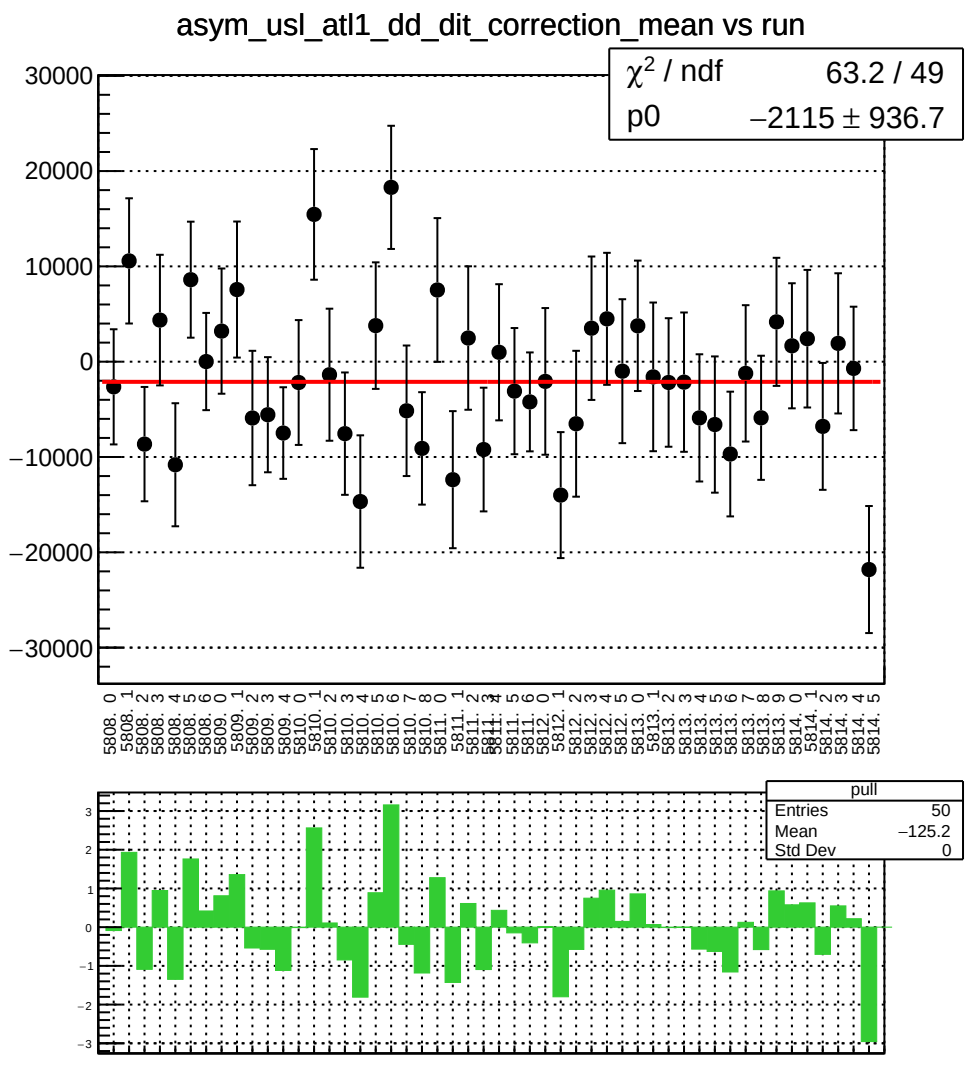
5814. 5


asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 63.2 / 49
p0 −2115 ± 936.7
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
5812. 0
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5812. 2
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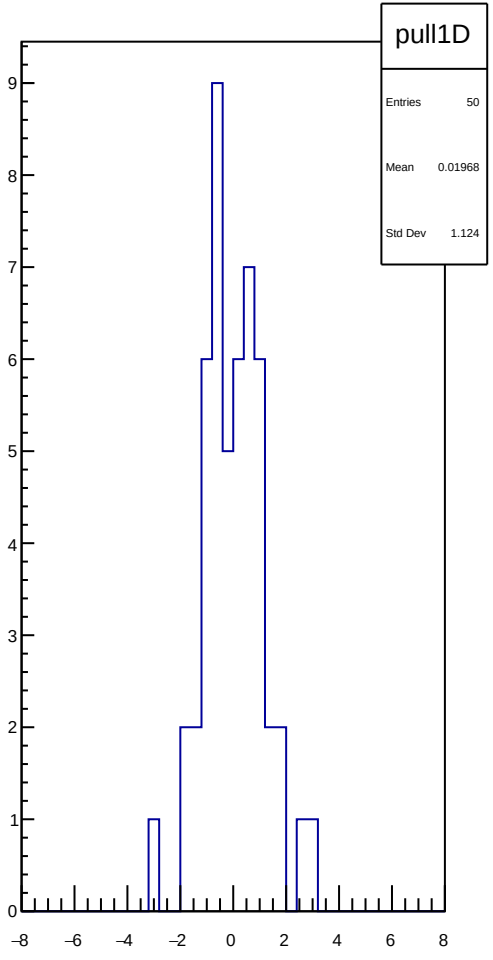
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −125.2
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01968
Std Dev 1.124
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5
4
3
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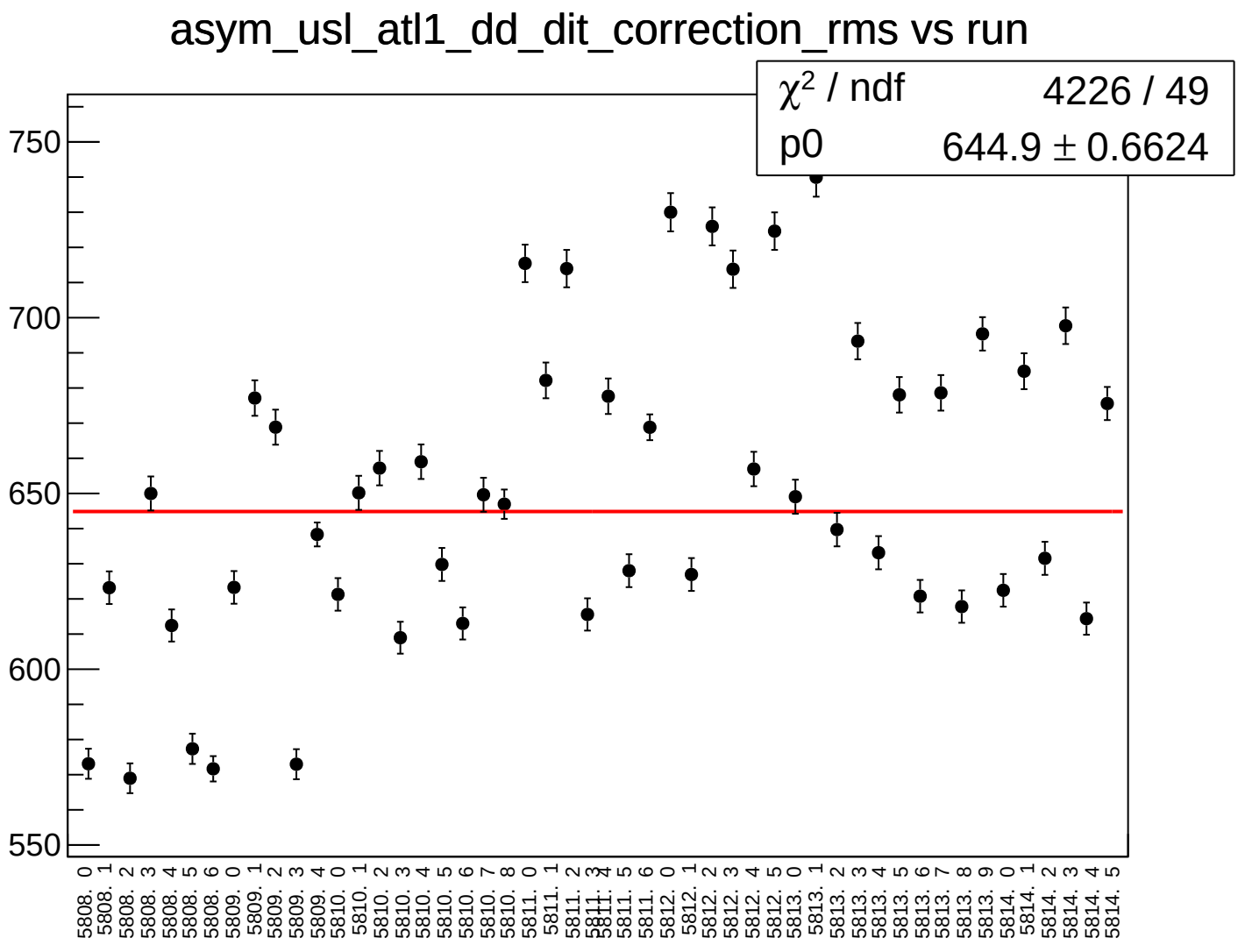
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 4226 / 49
p0 644.9 ± 0.6624
750
700
650
600
550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 6
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5812. 4
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5813. 0
5813. 1
5813. 2
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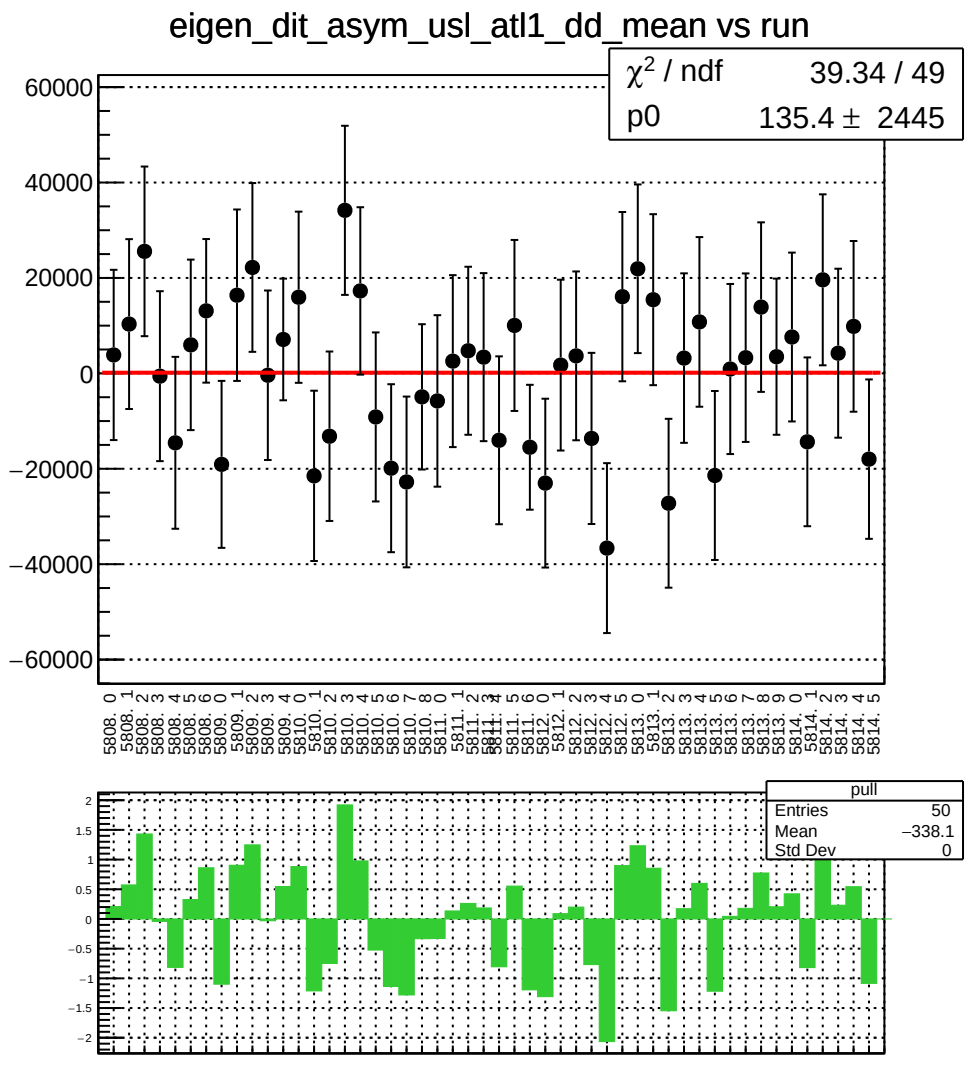
eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 39.34 / 49
p0 135.4 ± 2445
60000
40000
20000
0
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−40000
−60000
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5808. 1
5808. 2
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5808. 5
5808. 6
5809. 0
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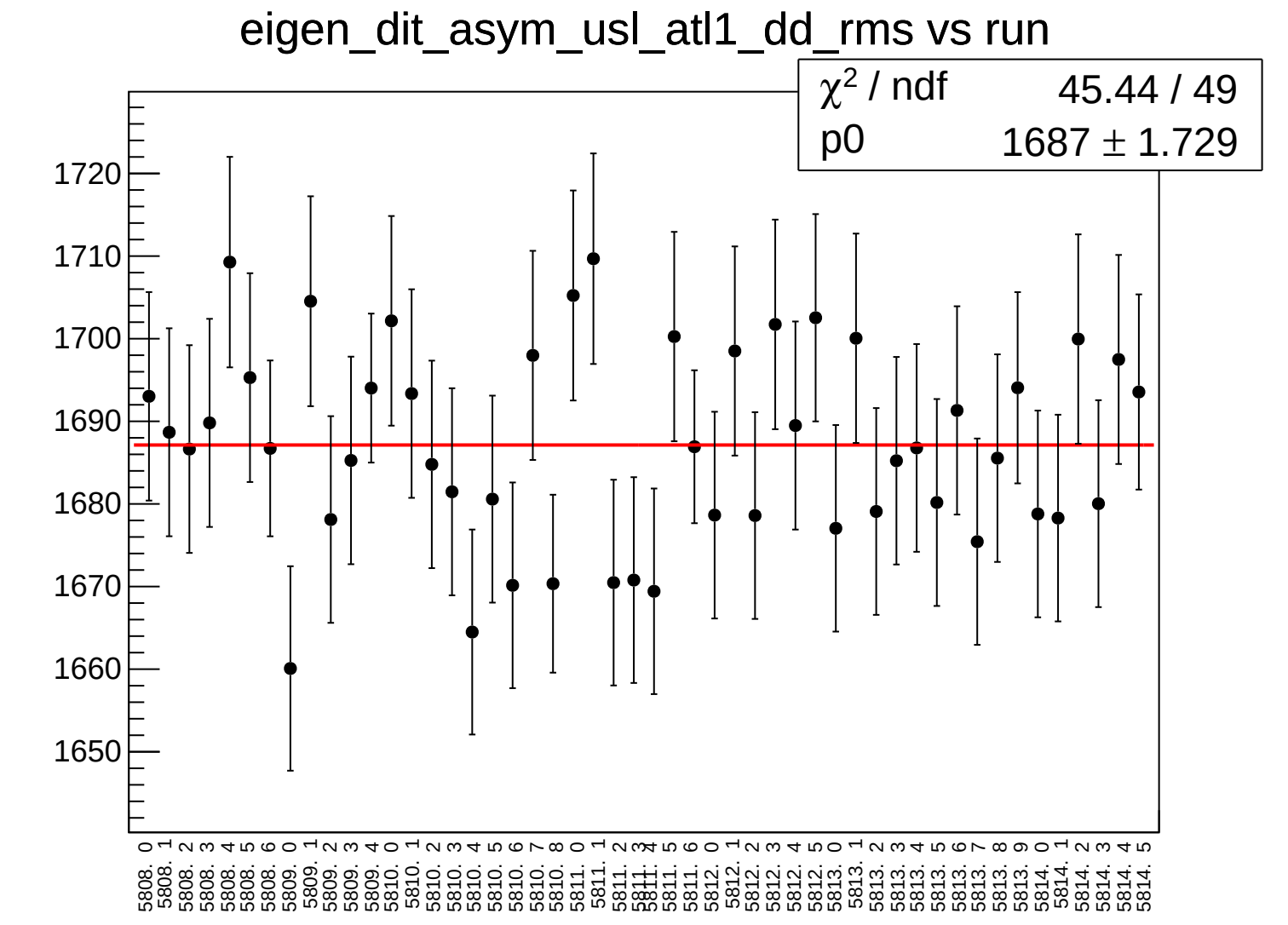
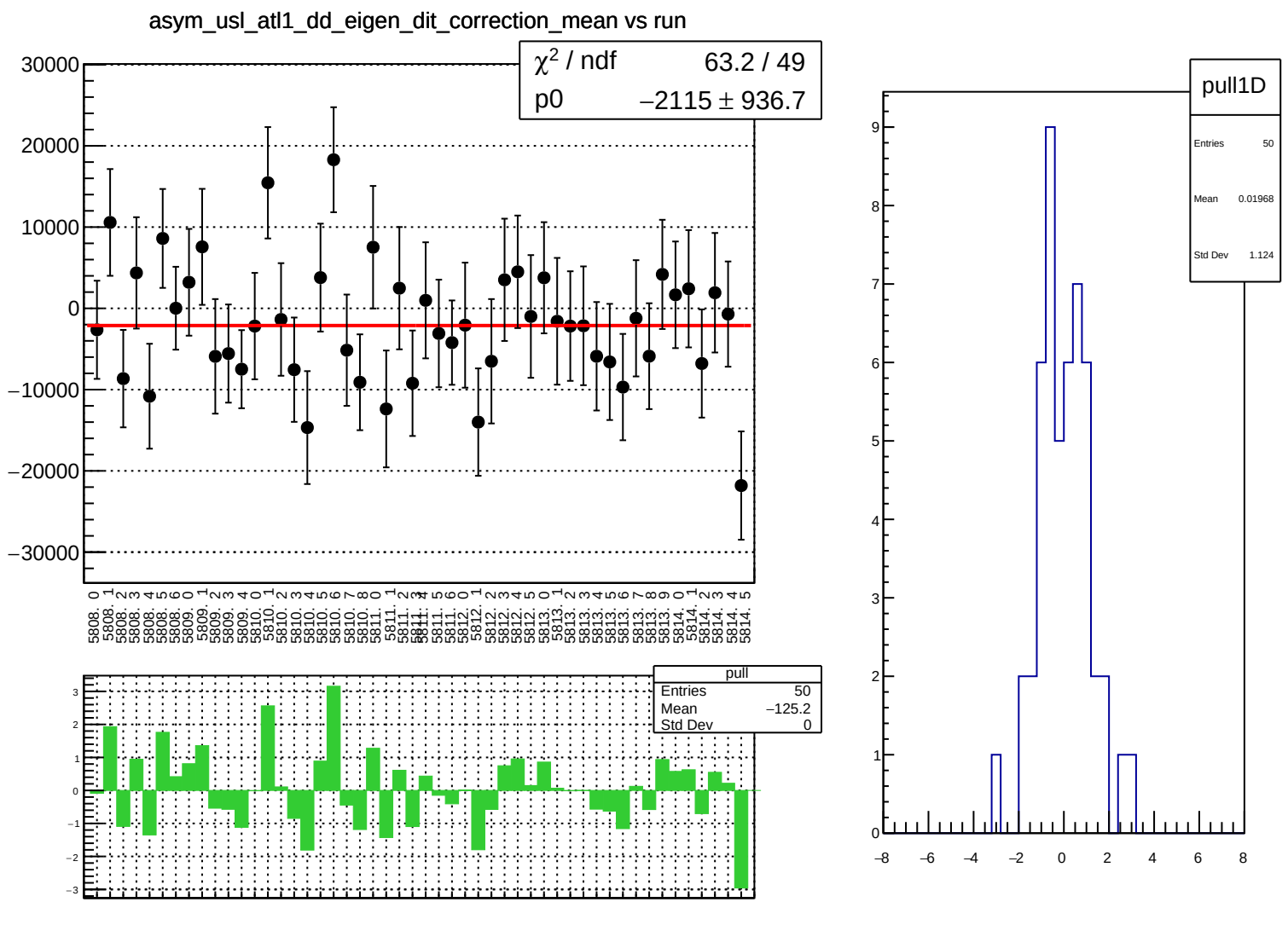
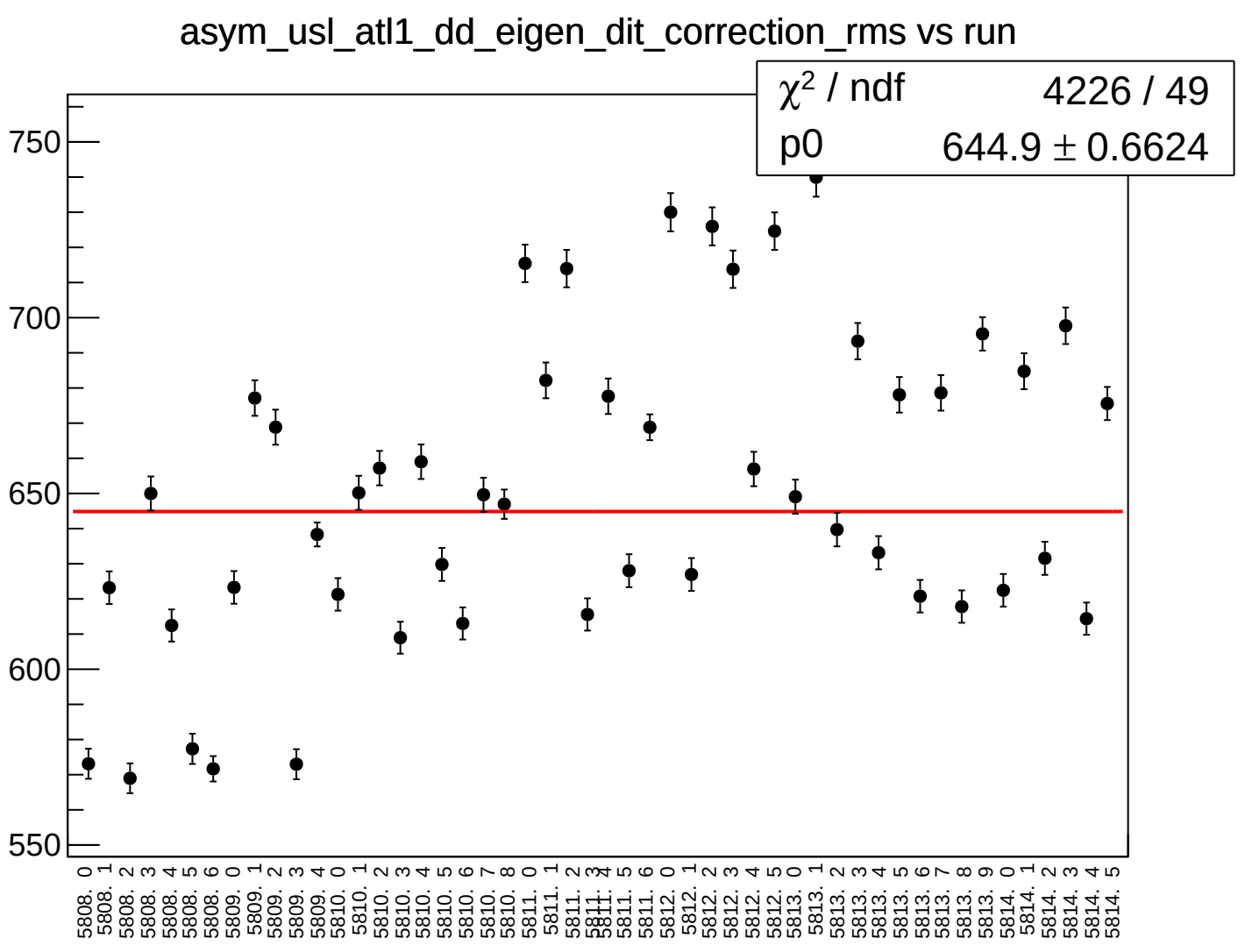
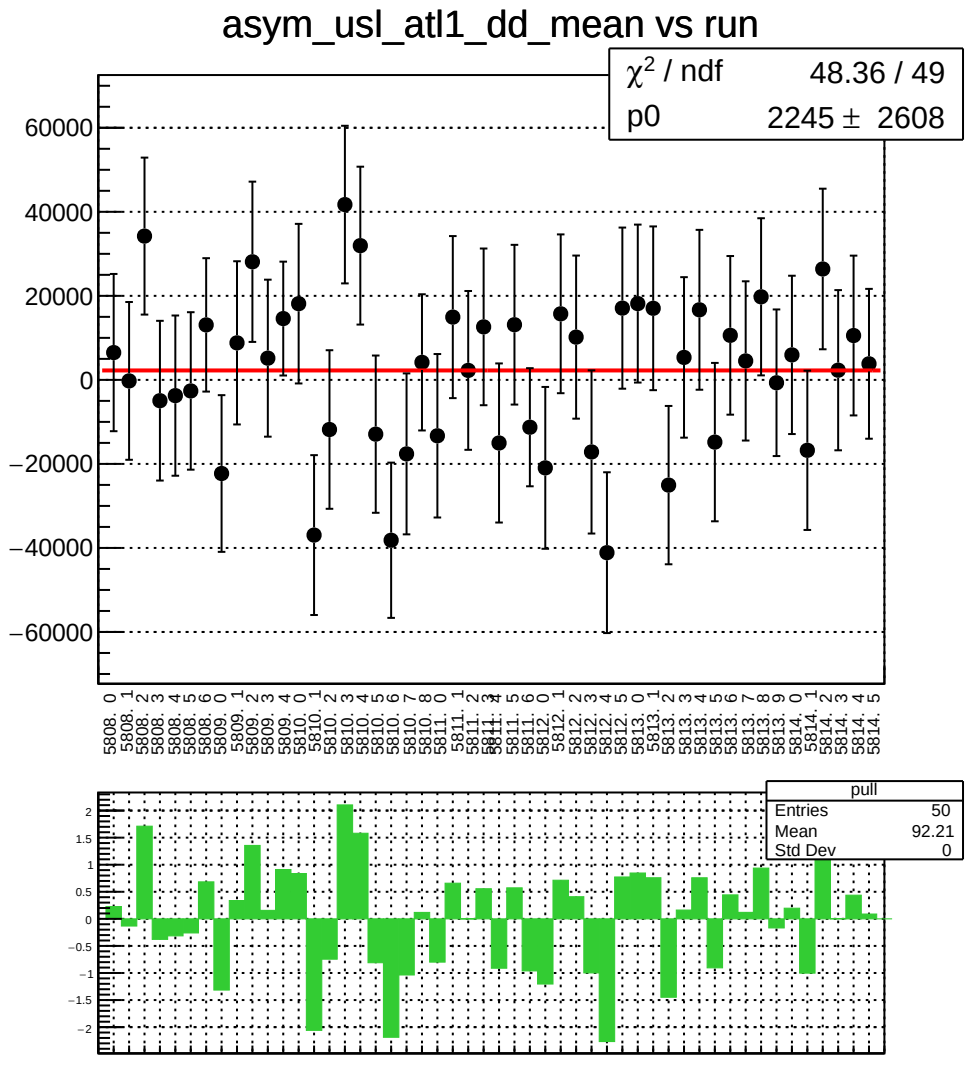
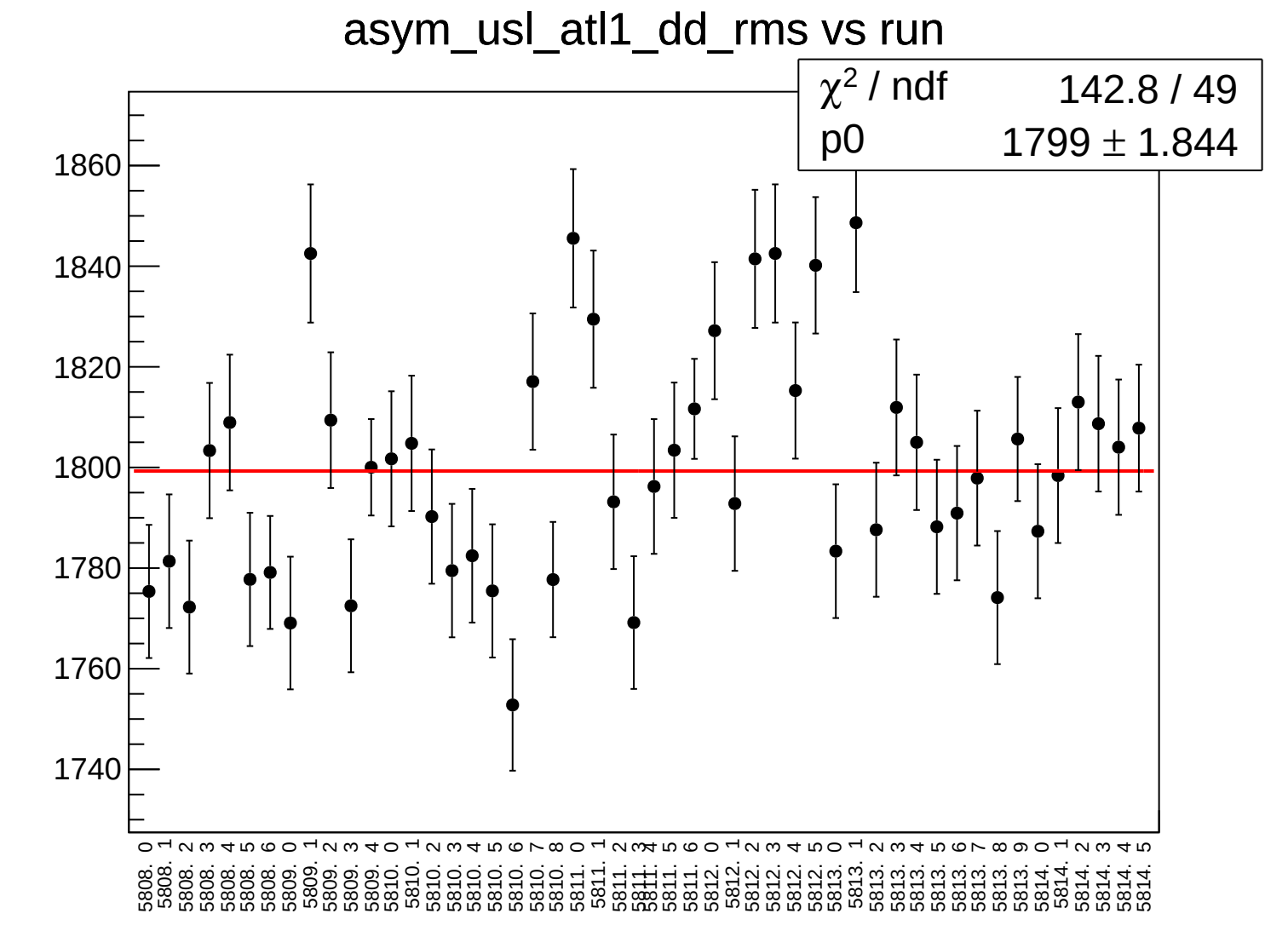
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −338.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.003793
Std Dev 0.887
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

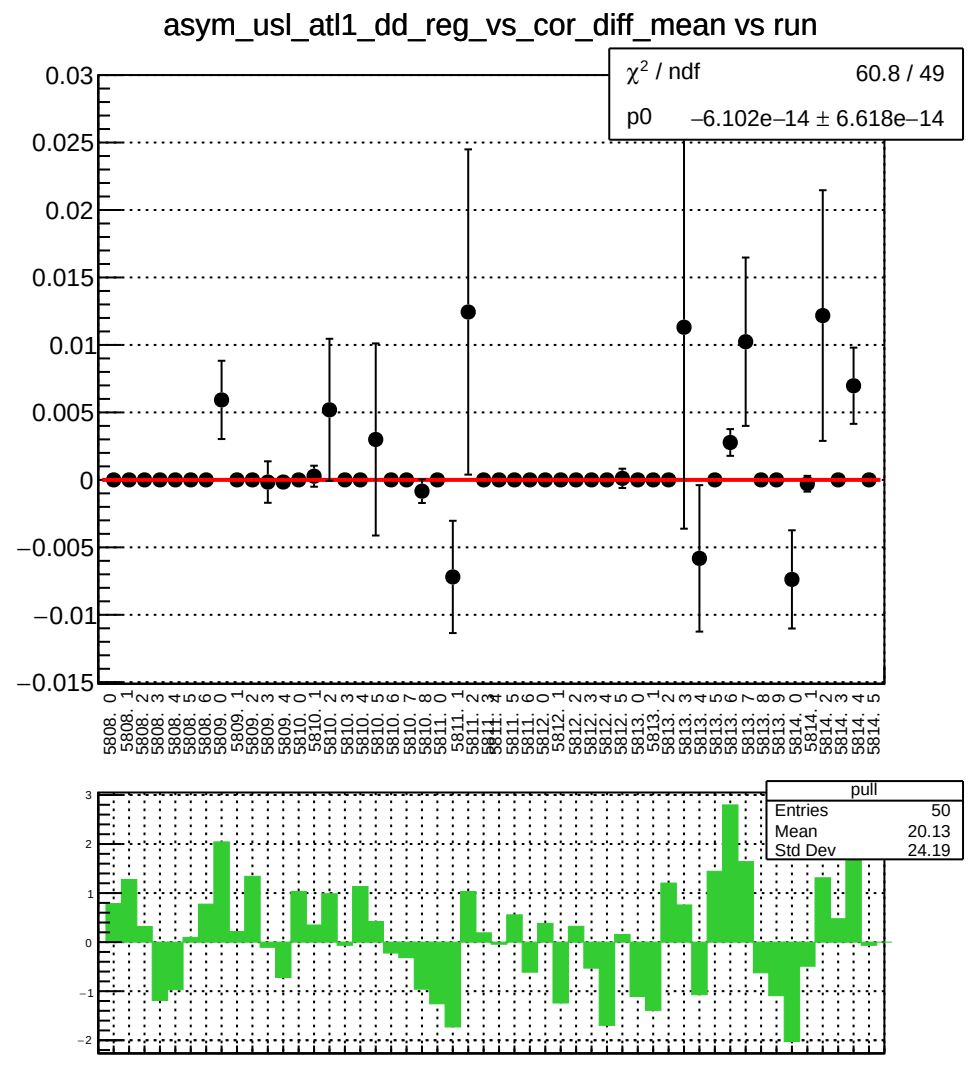

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 45.44 / 49
p0 1687 ± 1.729
1720
1710
1700
1690
1680
1670
1660
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

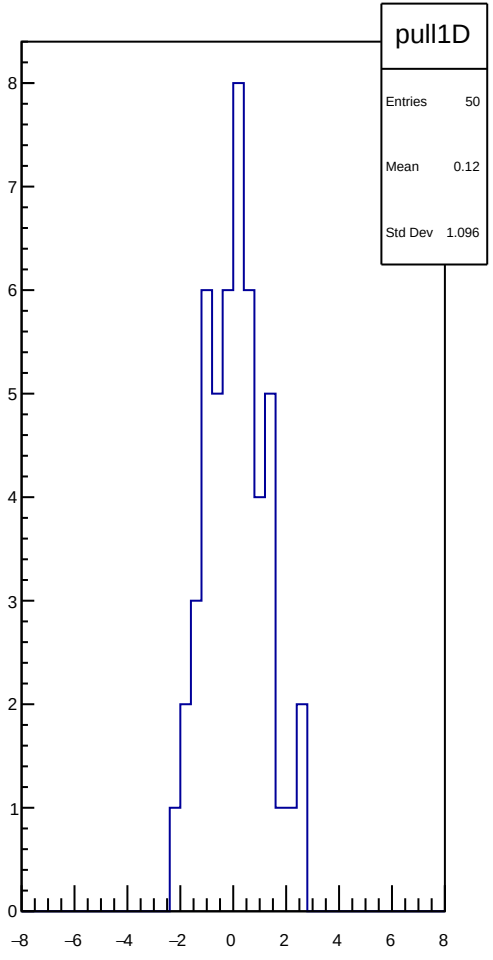

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.2 / 49
p0 −2115 ± 936.7
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −125.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01968
Std Dev 1.124
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

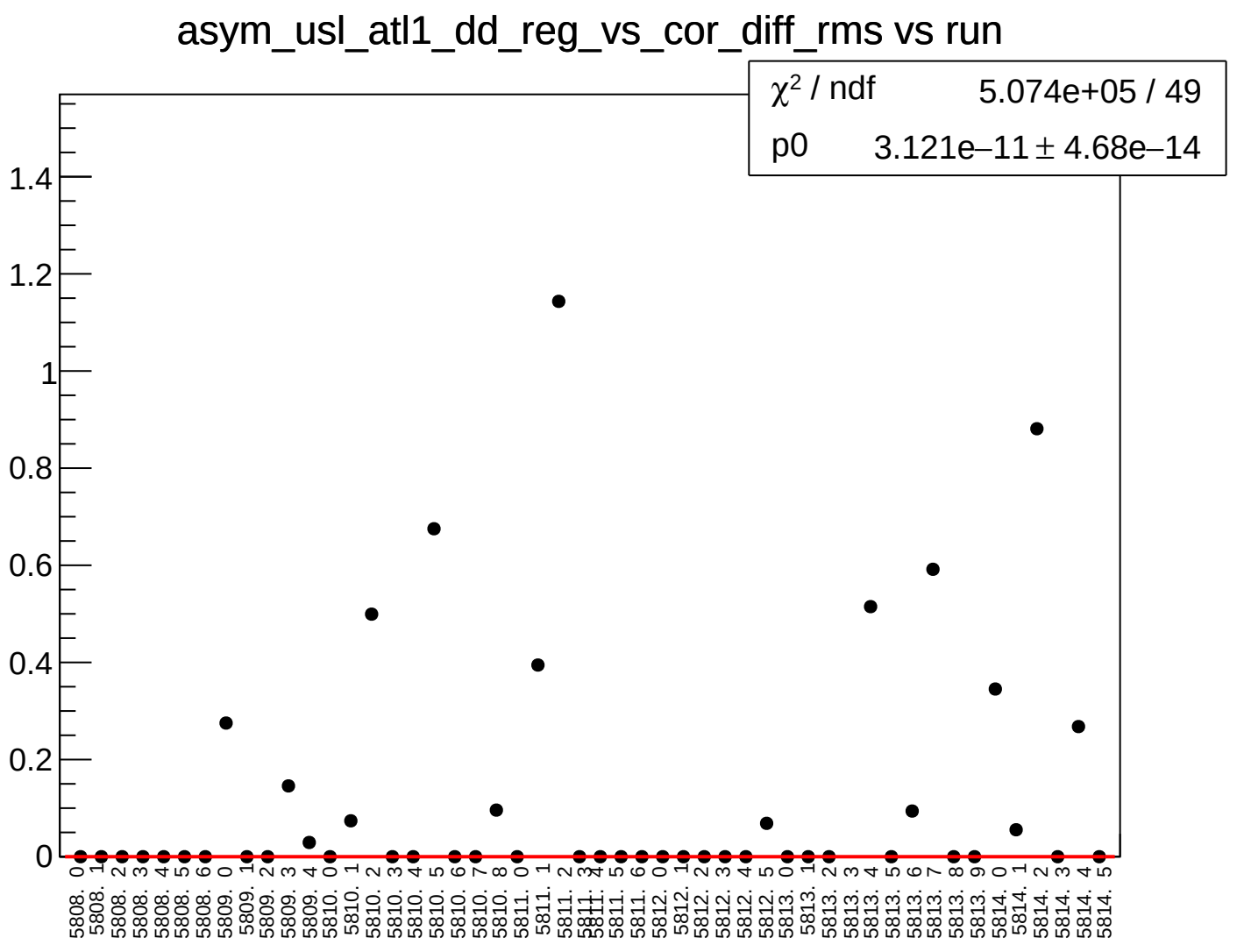

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4226 / 49
p0 644.9 ± 0.6624
750
700
650
600
550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

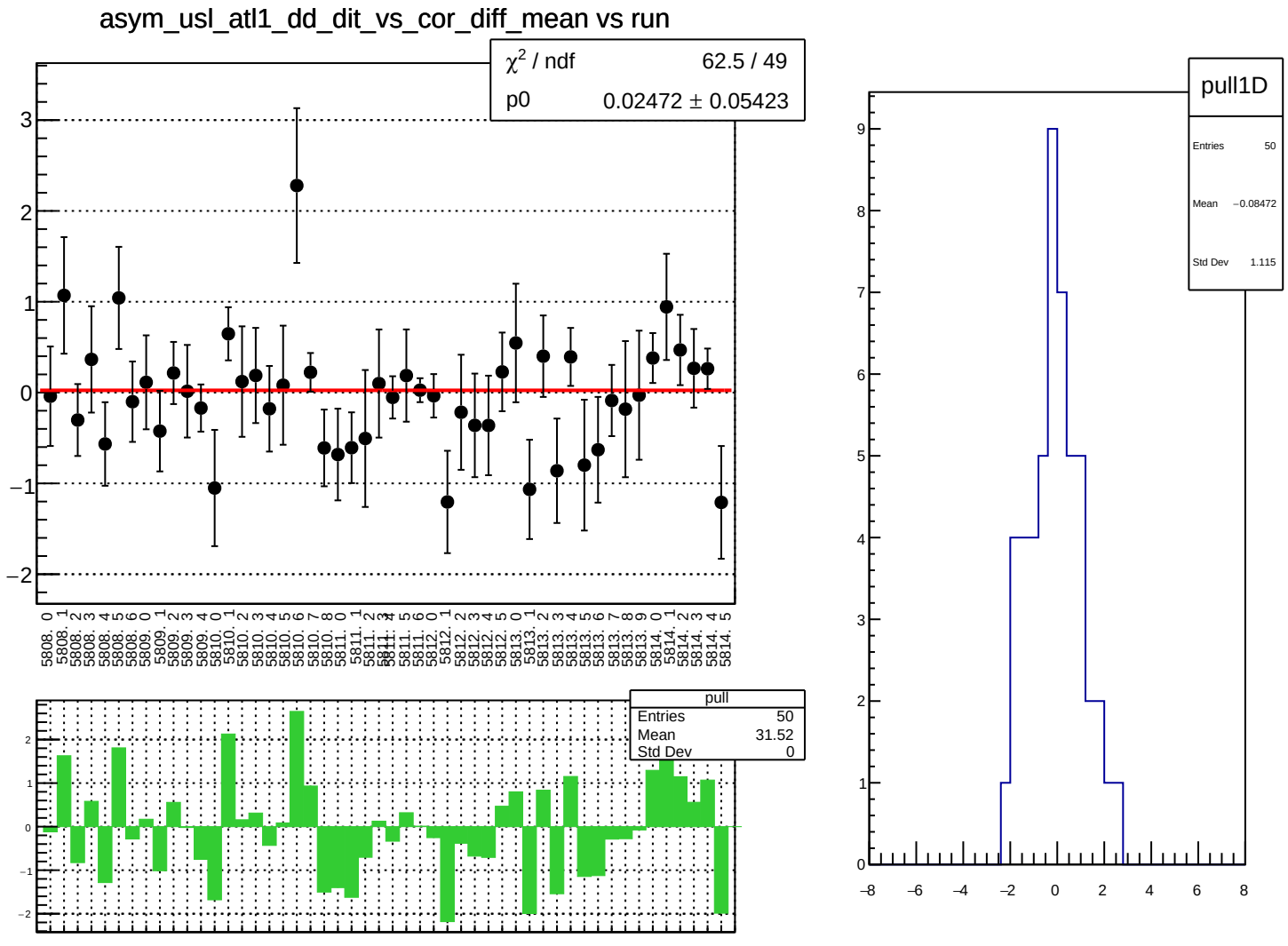

asym_usl_atl1_dd_mean vs run
χ² / ndf 48.36 / 49
p0 2245 ± 2608
pull
Entries 50
Mean 92.21
Std Dev 0
pull1D
Entries 50
Mean −0.003636
Std Dev 0.9835

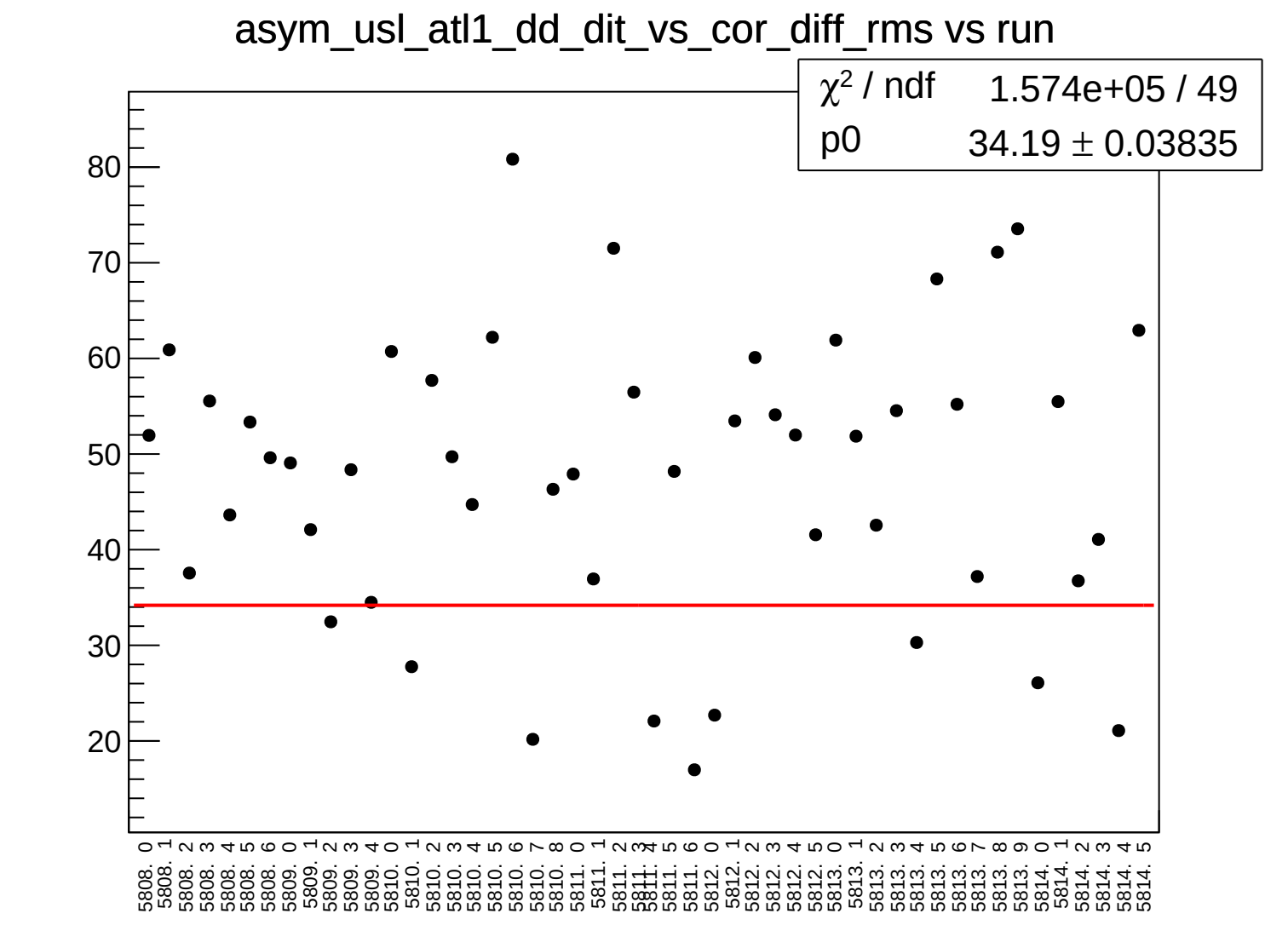

asym_usl_atl1_dd_rms vs run
χ² / ndf 142.8 / 49
p0 1799 ± 1.844
1860
1840
1820
1800
1780
1760
1740
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

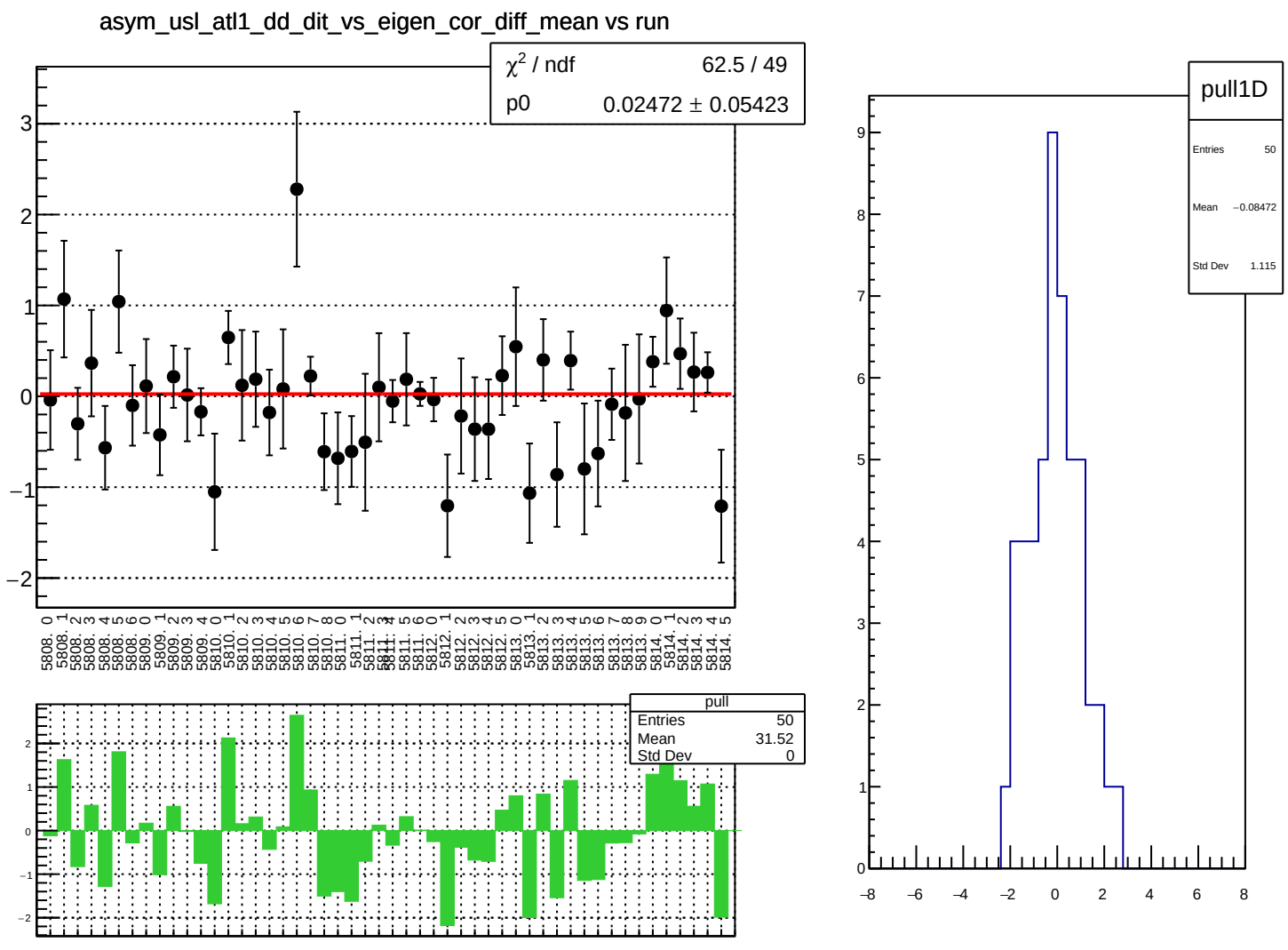

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.8 / 49
p0 −6.102e−14 ± 6.618e−14
pull
Entries 50
Mean 20.13
Std Dev 24.19

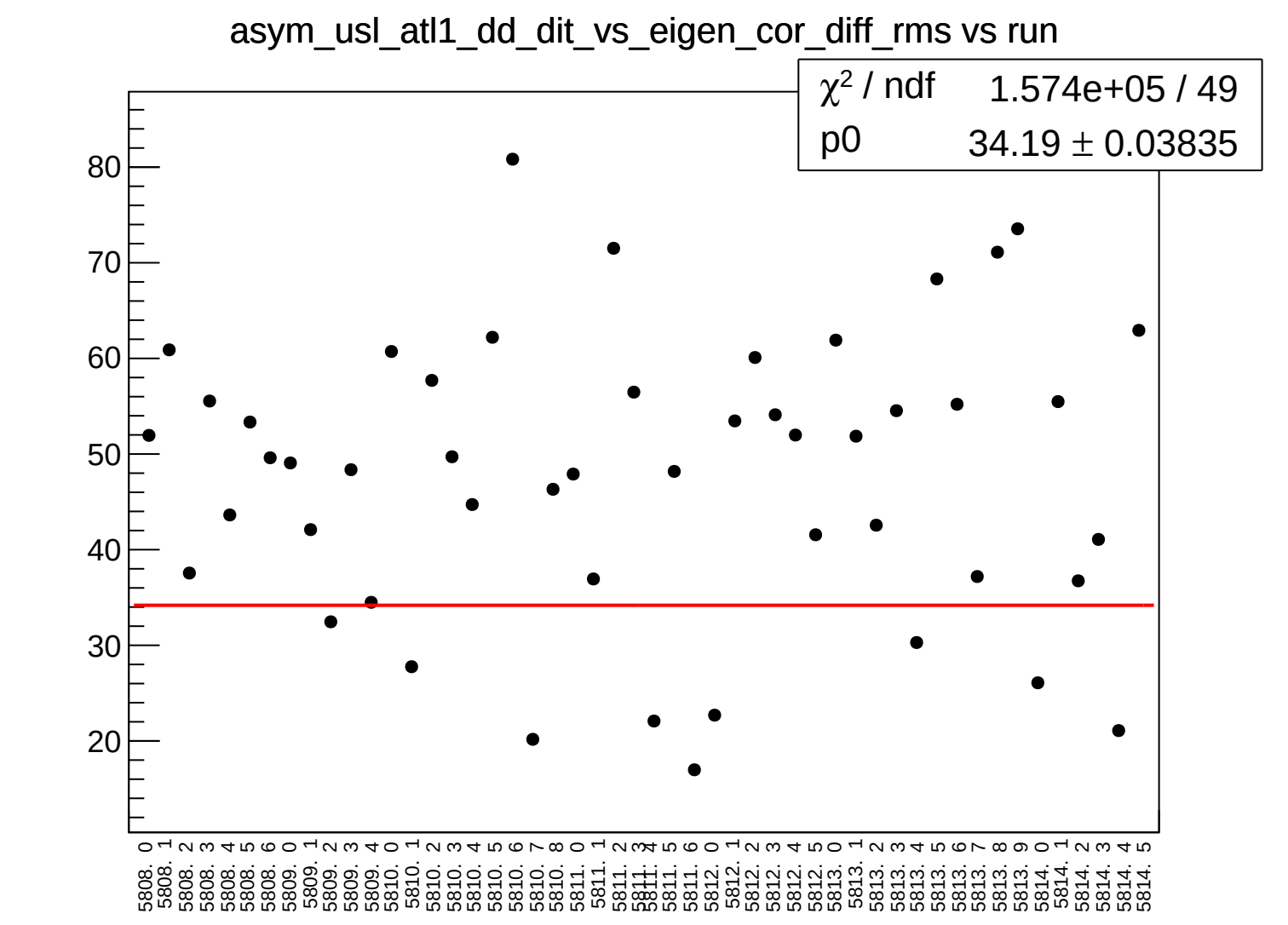

pull1D
Entries 50
Mean 0.12
Std Dev 1.096

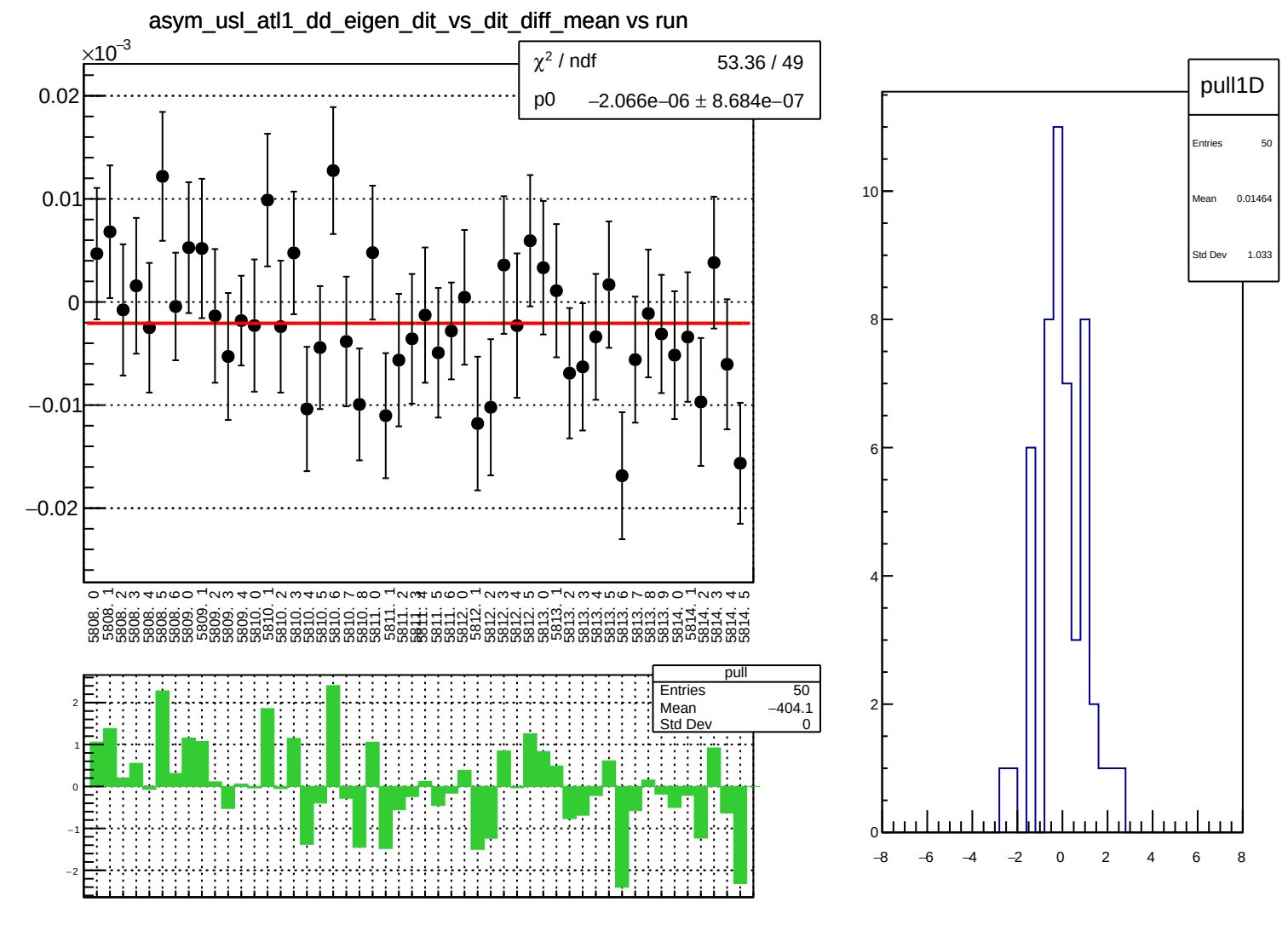

asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.074e+05 / 49
p0 3.121e−11 ± 4.68e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

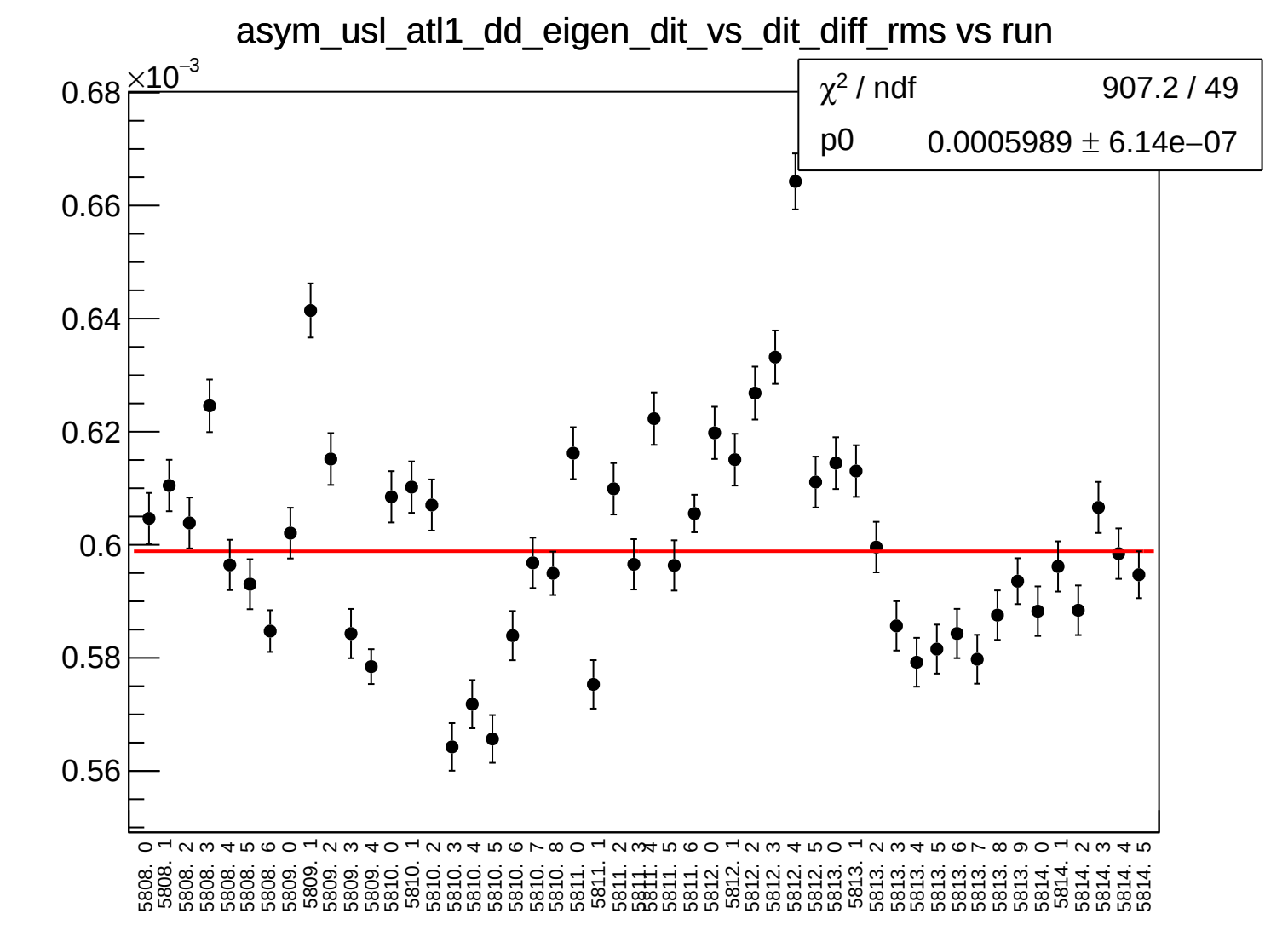

asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.5 / 49
p0 0.02472 ± 0.05423
pull
Entries 50
Mean 31.52
Std Dev 0
pull1D
Entries 50
Mean −0.08472
Std Dev 1.115


asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 49
p0 34.19 ± 0.03835
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.5 / 49
p0 0.02472 ± 0.05423
pull
Entries 50
Mean 31.52
Std Dev 0
pull1D
Entries 50
Mean −0.08472
Std Dev 1.115


asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 49
p0 34.19 ± 0.03835
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.36 / 49
p0 −2.066e−06 ± 8.684e−07
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean −404.1
Std Dev 0
pull1D
Entries 50
Mean 0.01464
Std Dev 1.033
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 907.2 / 49
p0 0.0005989 ± 6.14e−07
0.68
0.66
0.64
0.62
0.6
0.58
0.56
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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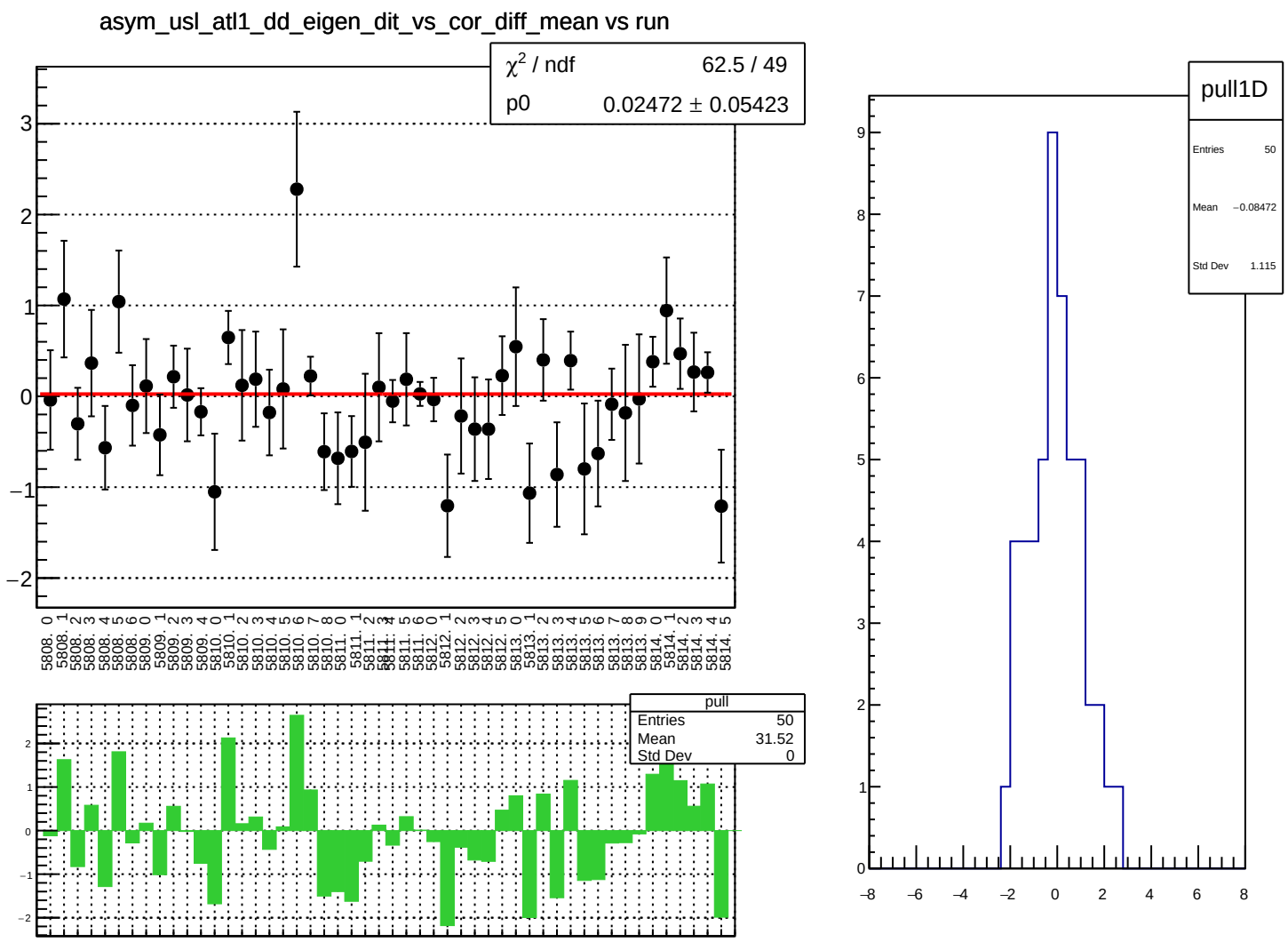
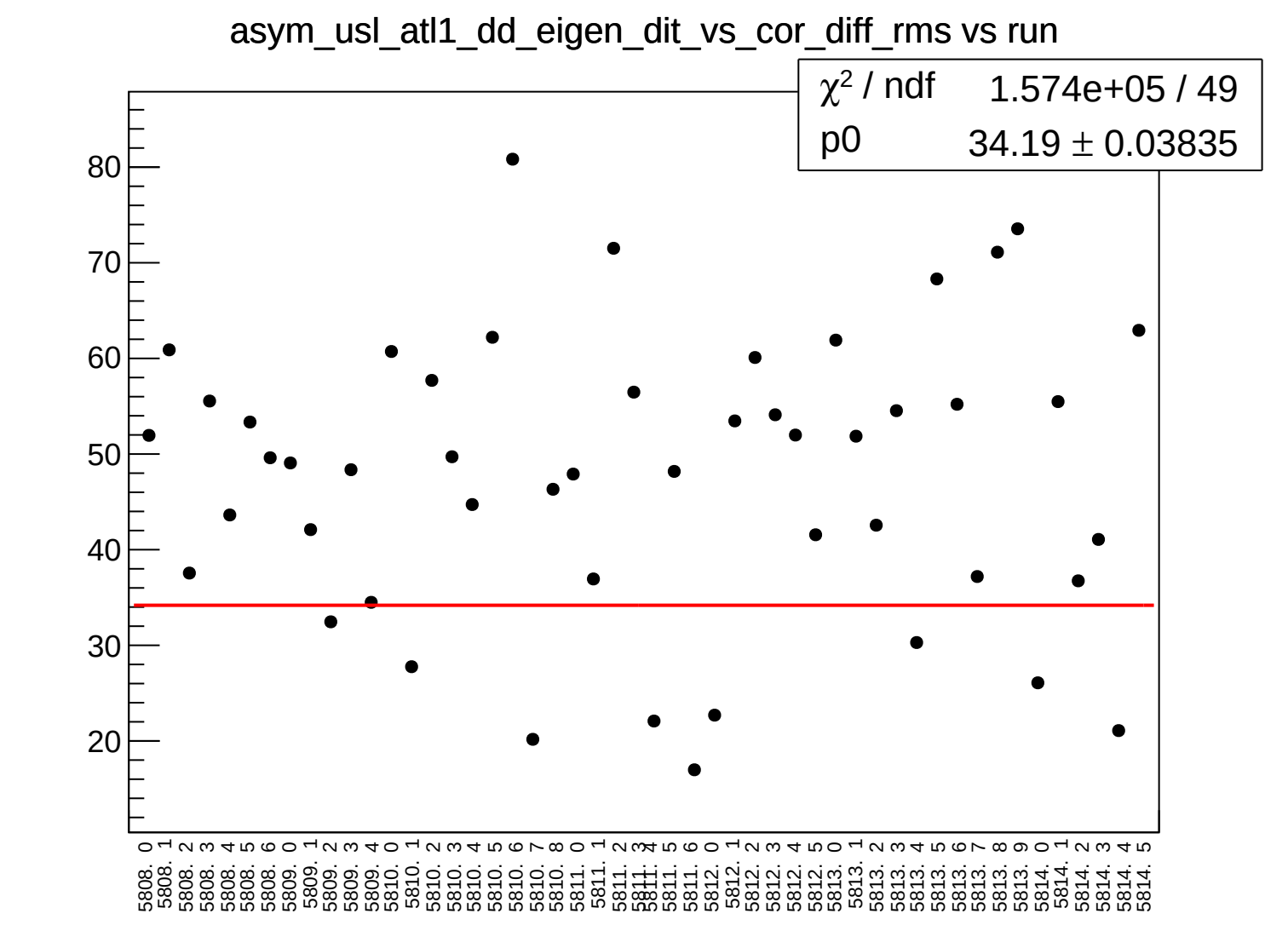
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.5 / 49
p0 0.02472 ± 0.05423
pull
Entries 50
Mean 31.52
Std Dev 0
pull1D
Entries 50
Mean −0.08472
Std Dev 1.115


asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 49
p0 34.19 ± 0.03835
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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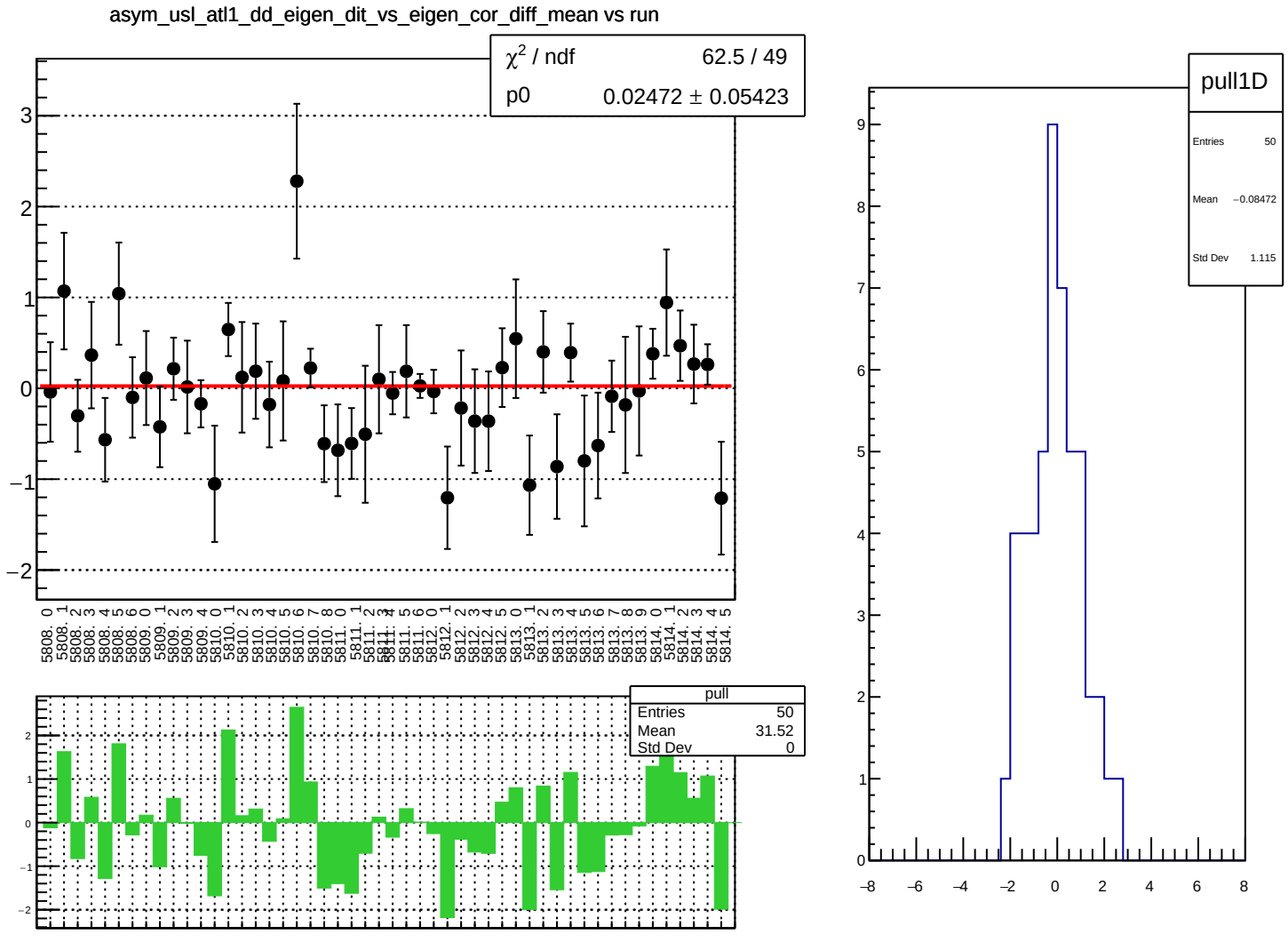
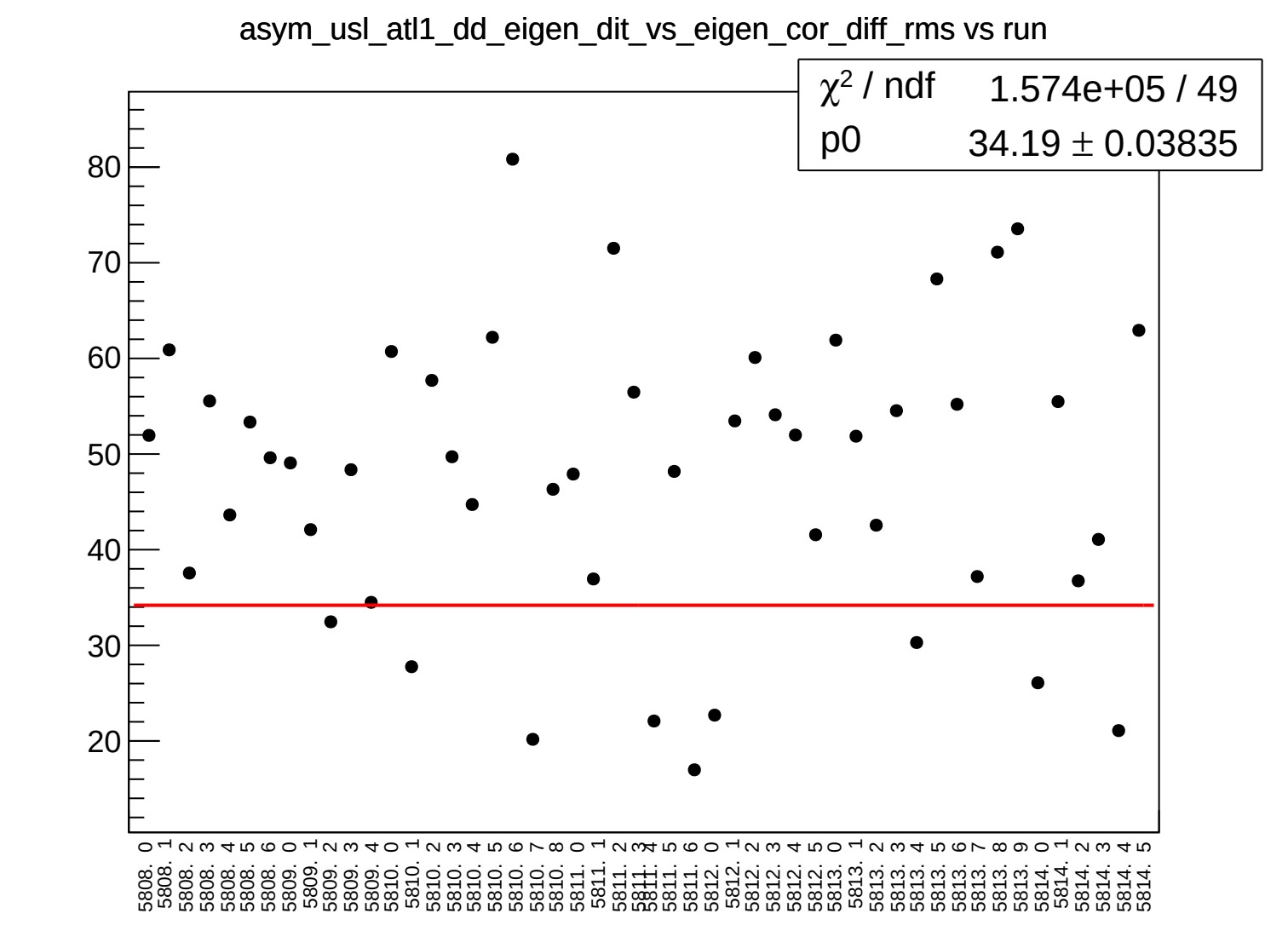
5814. 5


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.5 / 49
p0 0.02472 ± 0.05423
pull
Entries 50
Mean 31.52
Std Dev 0
pull1D
Entries 50
Mean −0.08472
Std Dev 1.115


asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.574e+05 / 49
p0 34.19 ± 0.03835
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
5814. 0
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5814. 2
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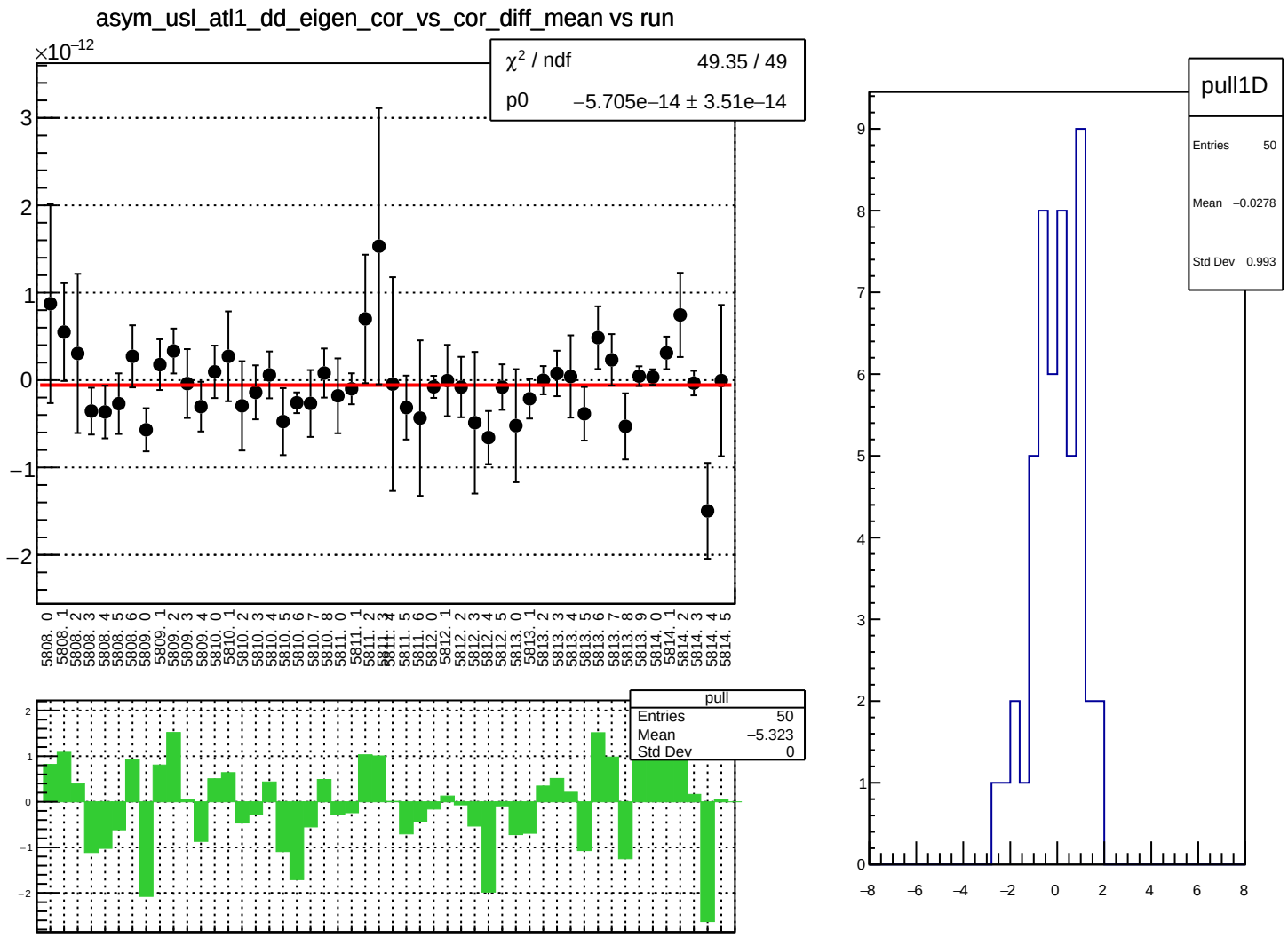
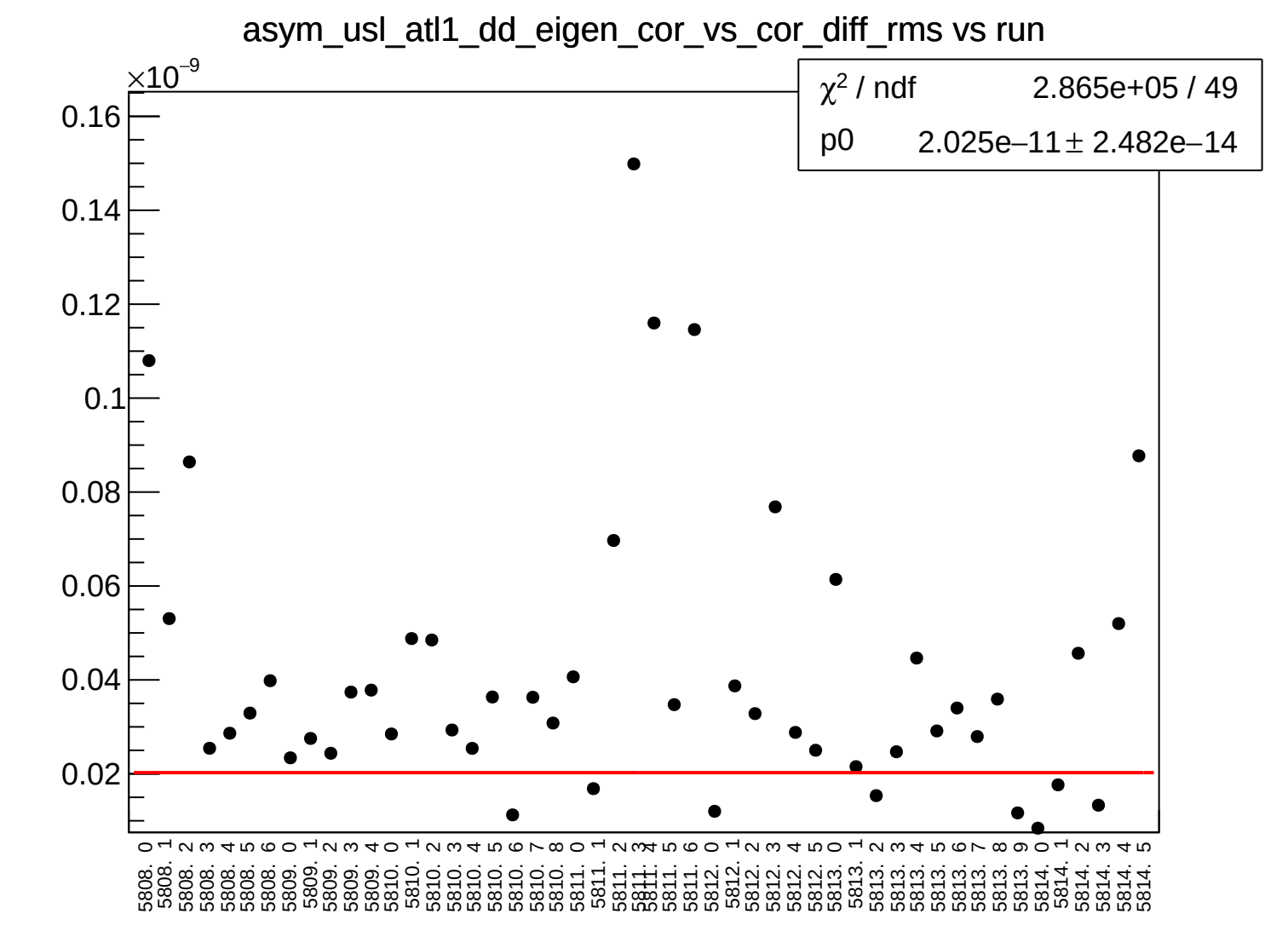
5814. 5


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.35 / 49
p0 −5.705e−14 ± 3.51e−14
pull
Entries 50
Mean −5.323
Std Dev 0
pull1D
Entries 50
Mean −0.0278
Std Dev 0.993


asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.865e+05 / 49
p0 2.025e−11 ± 2.482e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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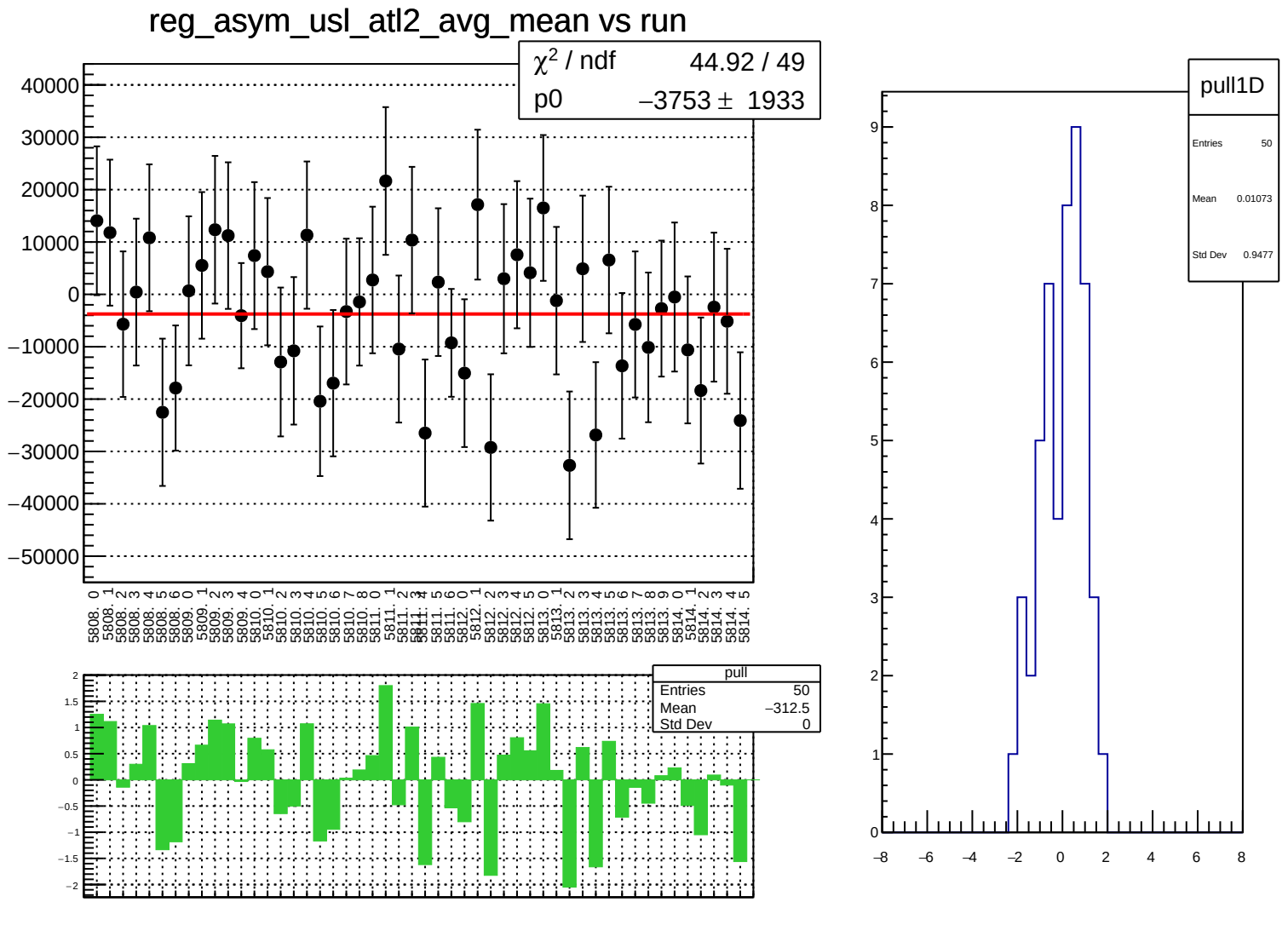
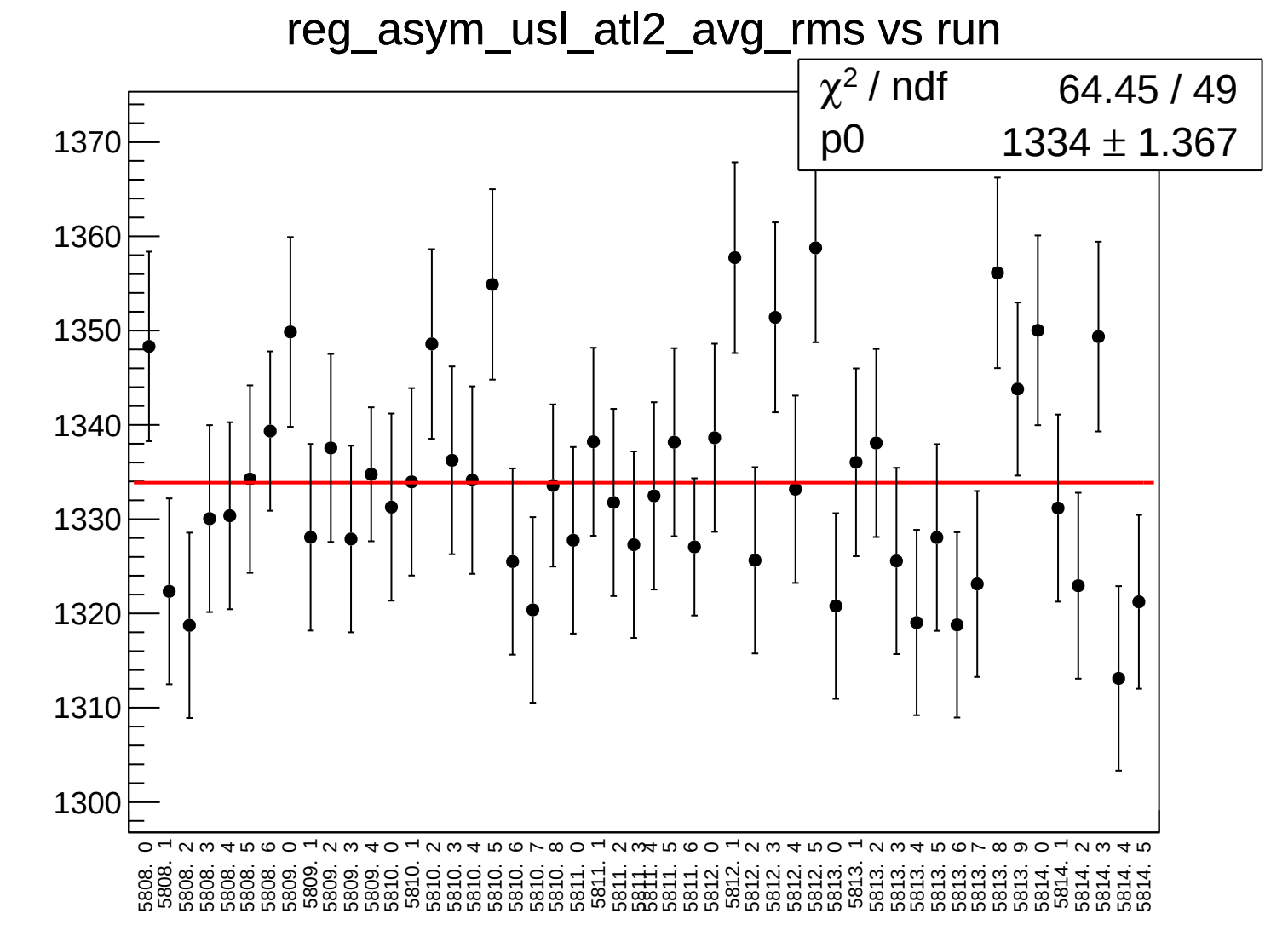
5814. 5


reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.92 / 49
p0 −3753 ± 1933
pull
Entries 50
Mean −312.5
Std Dev 0
pull1D
Entries 50
Mean 0.01073
Std Dev 0.9477


reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 64.45 / 49
p0 1334 ± 1.367
1370
1360
1350
1340
1330
1320
1310
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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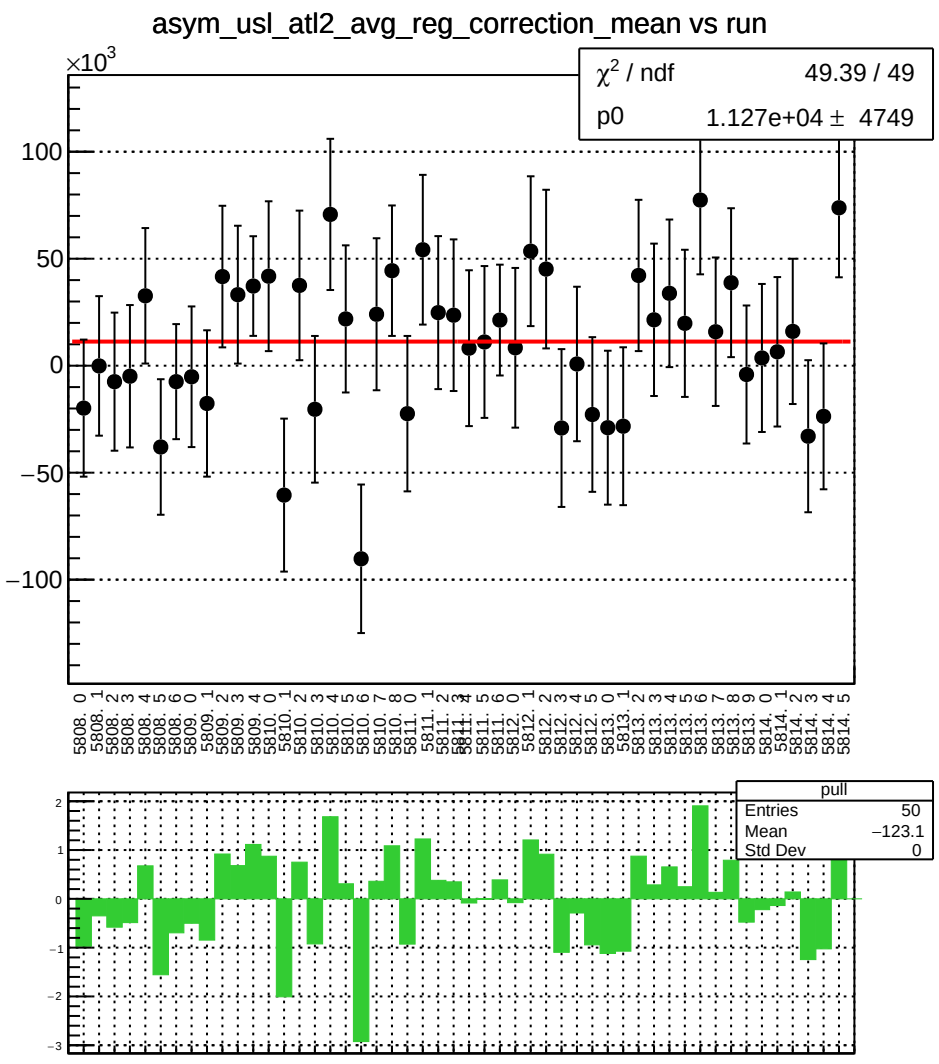
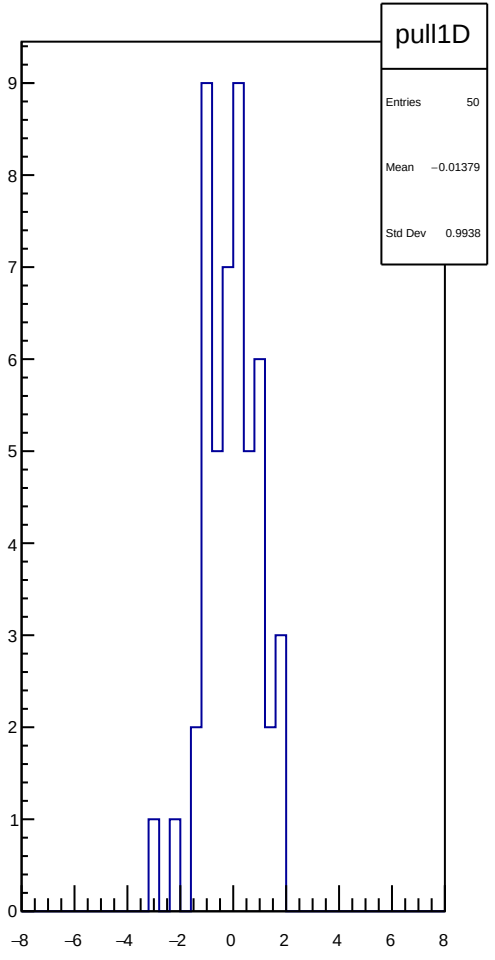
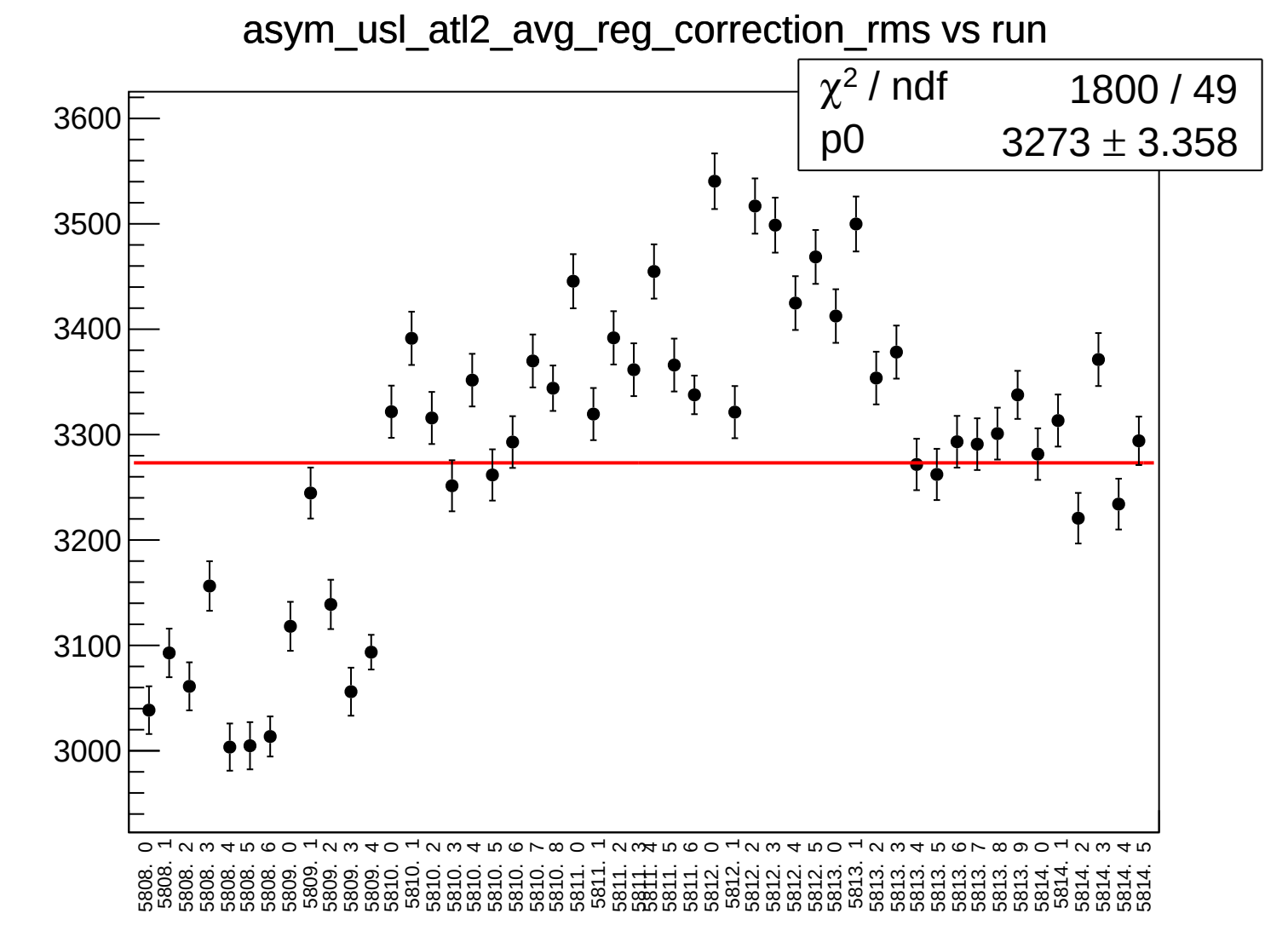
5814. 4
5814. 5


asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 49.39 / 49
p0 1.127e+04 ± 4749
×10³
pull
Entries 50
Mean −123.1
Std Dev 0


pull1D
Entries 50
Mean −0.01379
Std Dev 0.9938


asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 1800 / 49
p0 3273 ± 3.358
3600
3500
3400
3300
3200
3100
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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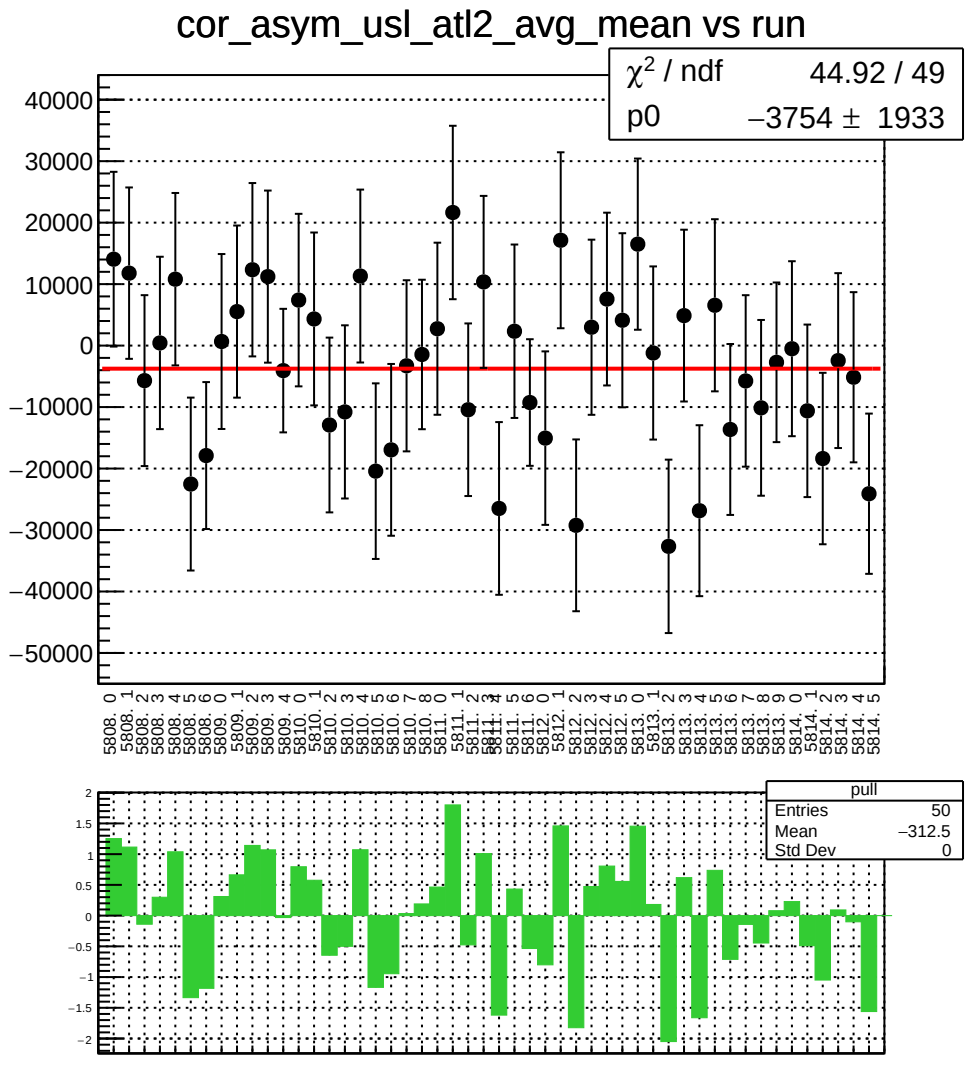
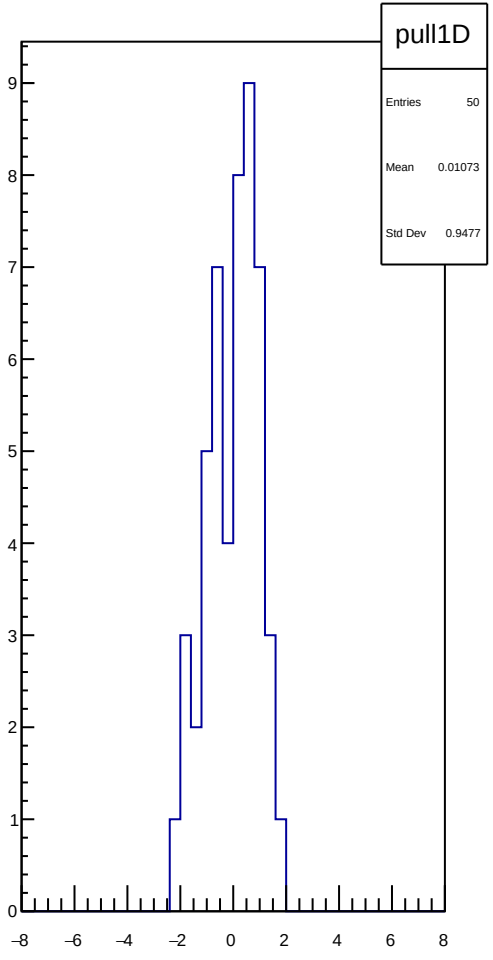
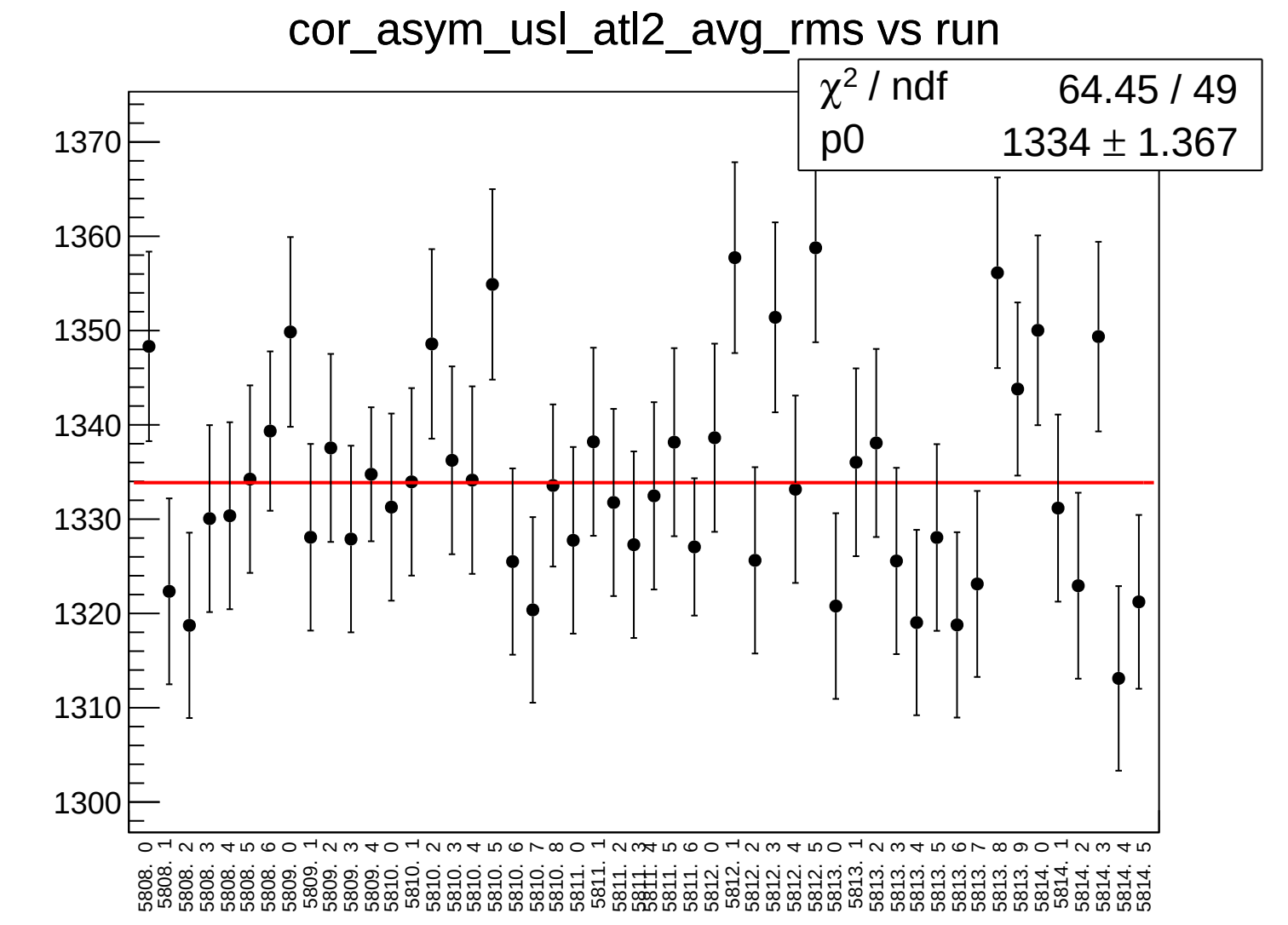
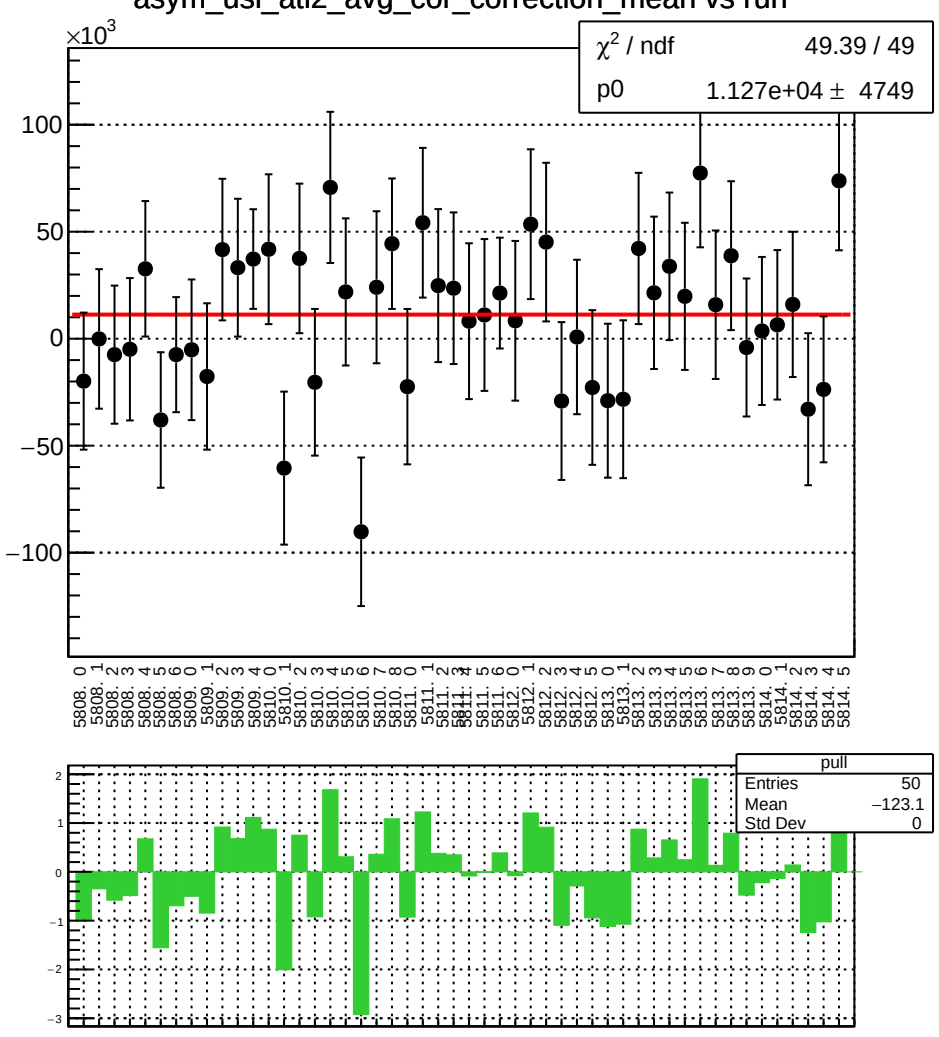
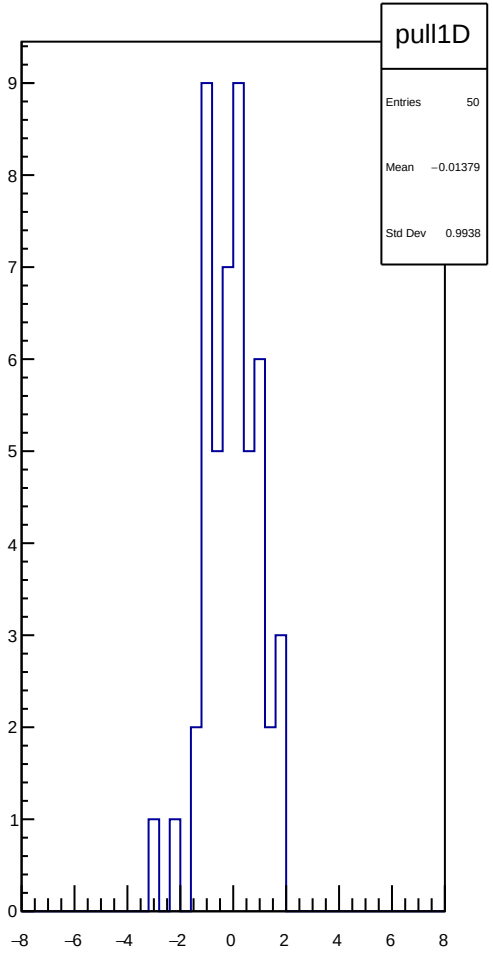
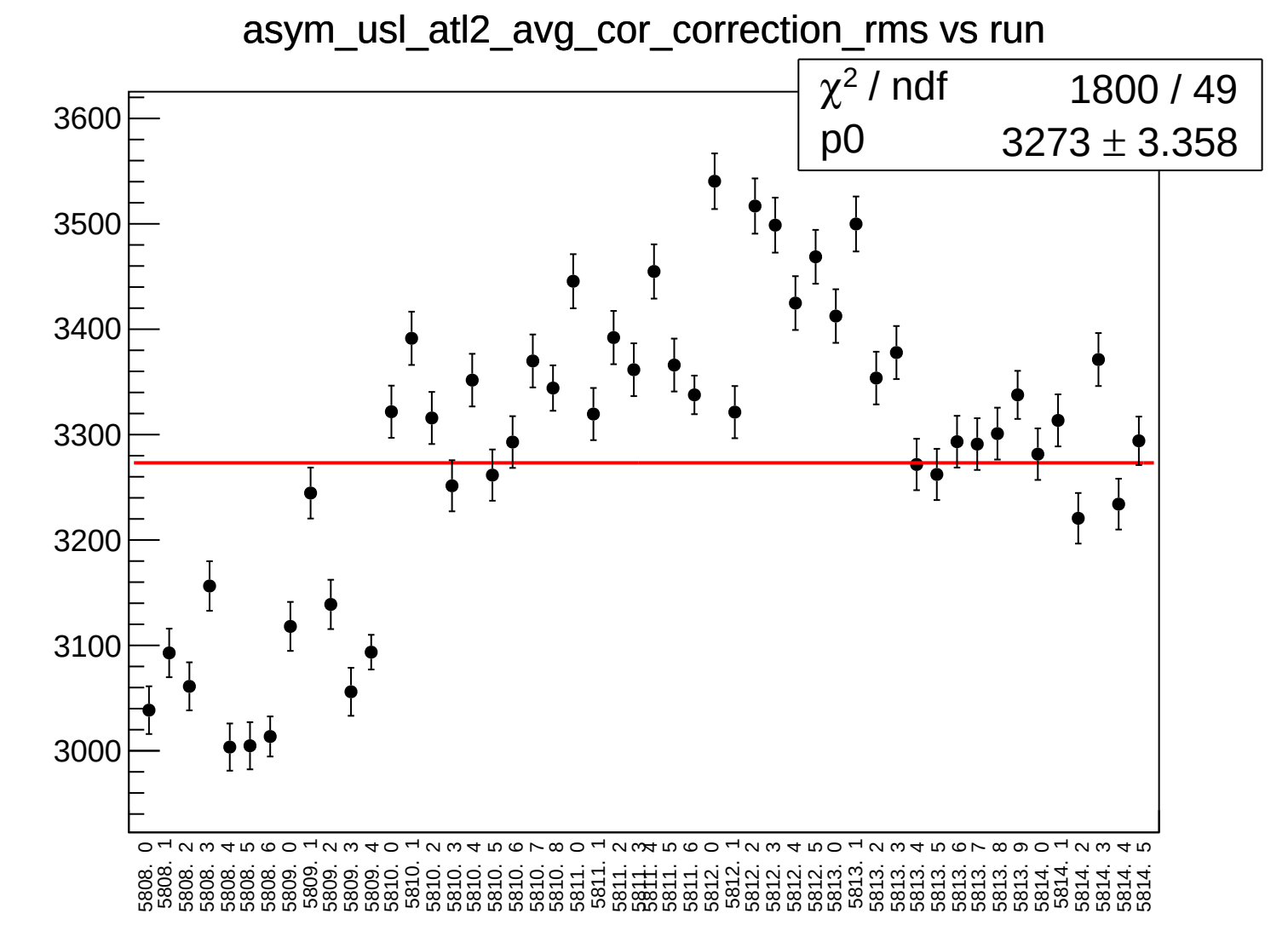

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.92 / 49
p0 −3754 ± 1933
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −312.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

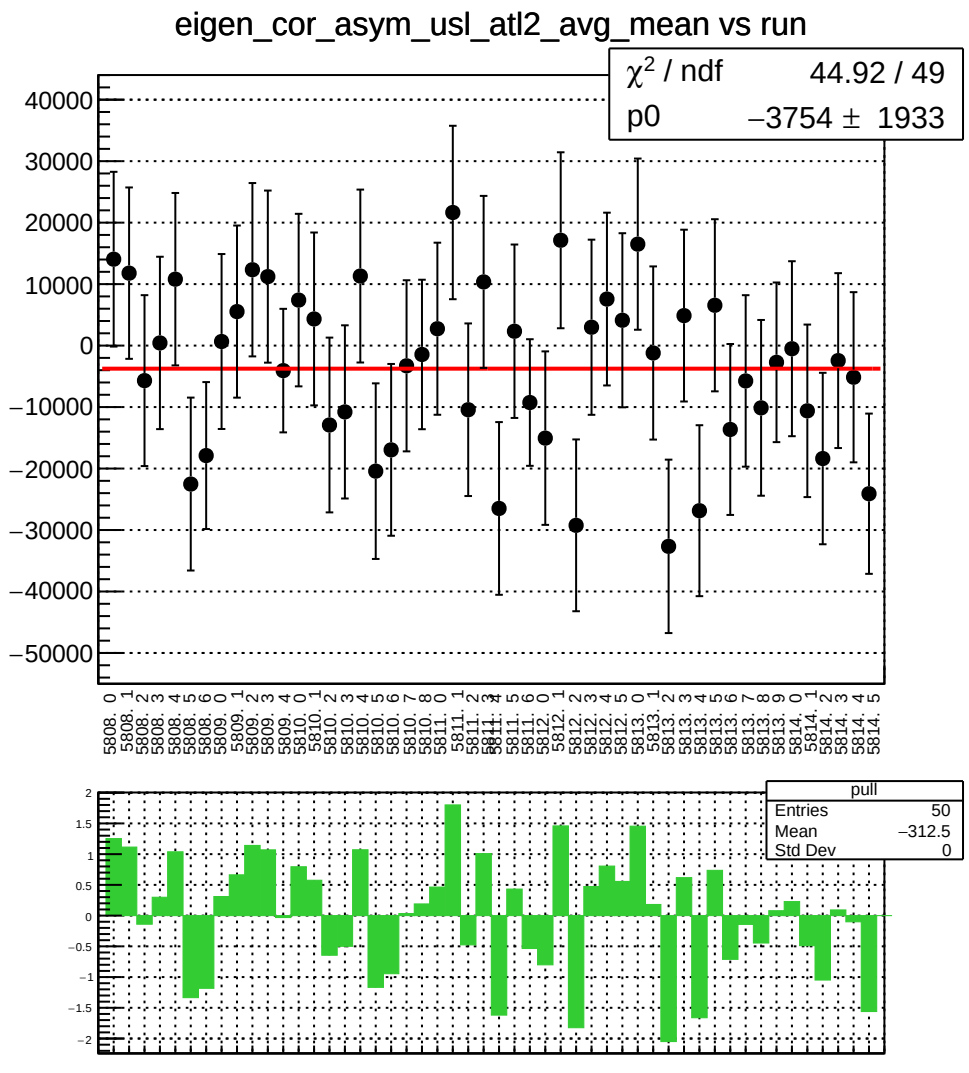

pull1D
Entries 50
Mean 0.01073
Std Dev 0.9477
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

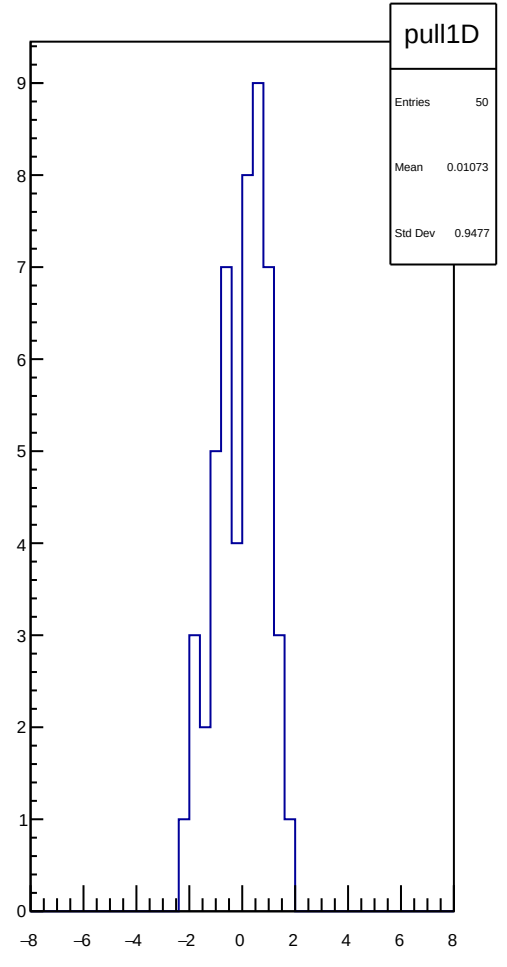

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 64.45 / 49
p0 1334 ± 1.367
1370
1360
1350
1340
1330
1320
1310
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

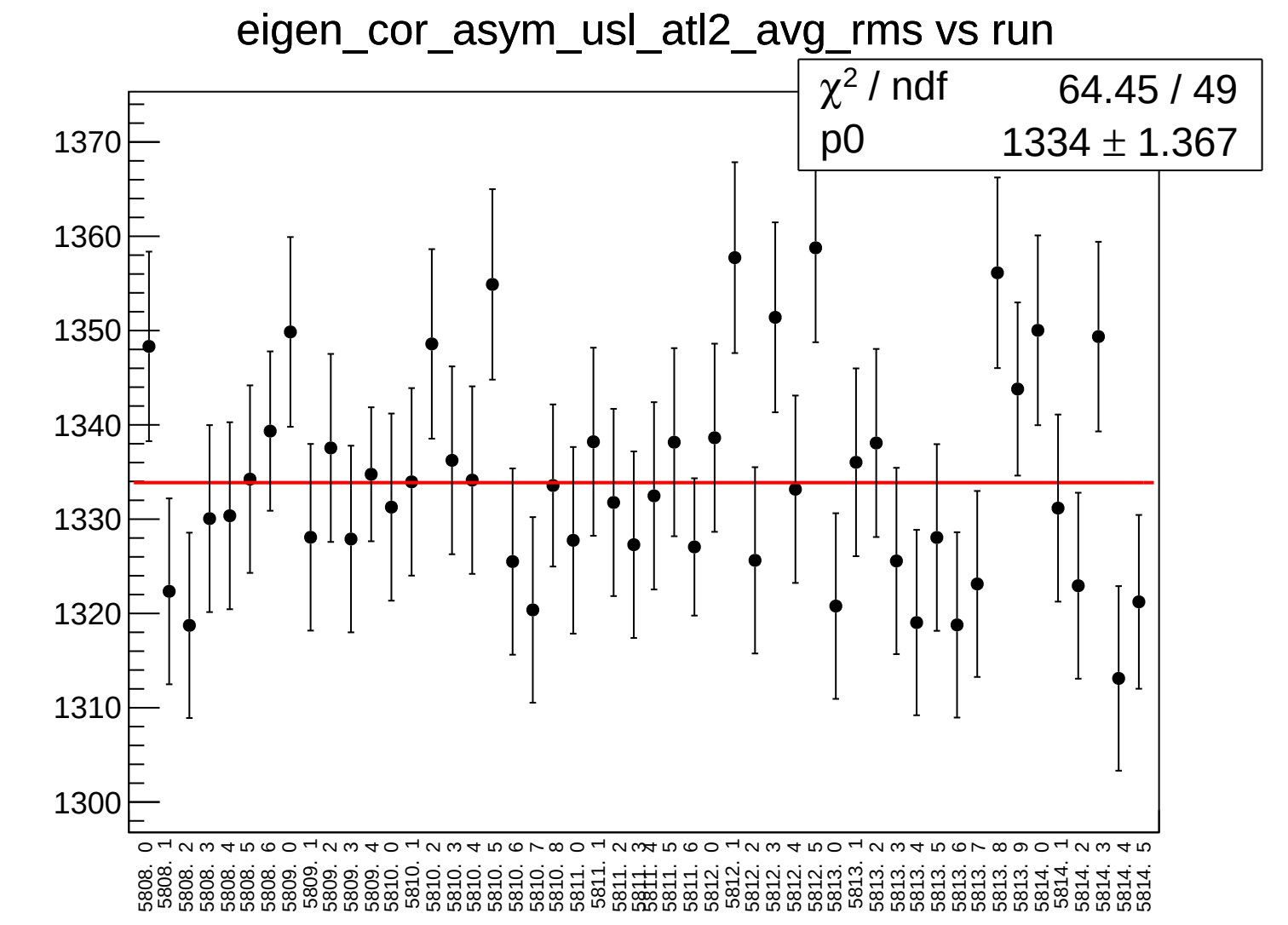

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 49.39 / 49
p0 1.127e+04 ± 4749
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01379
Std Dev 0.9938
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 1800 / 49
p0 3273 ± 3.358
3600
3500
3400
3300
3200
3100
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 44.92 / 49
p0 −3754 ± 1933
pull
Entries 50
Mean −312.5
Std Dev 0


pull1D
Entries 50
Mean 0.01073
Std Dev 0.9477


eigen_cor_asym_usl_atl2_avg_rms vs run
χ^2 / ndf 64.45 / 49
p0 1334 ± 1.367
1370
1360
1350
1340
1330
1320
1310
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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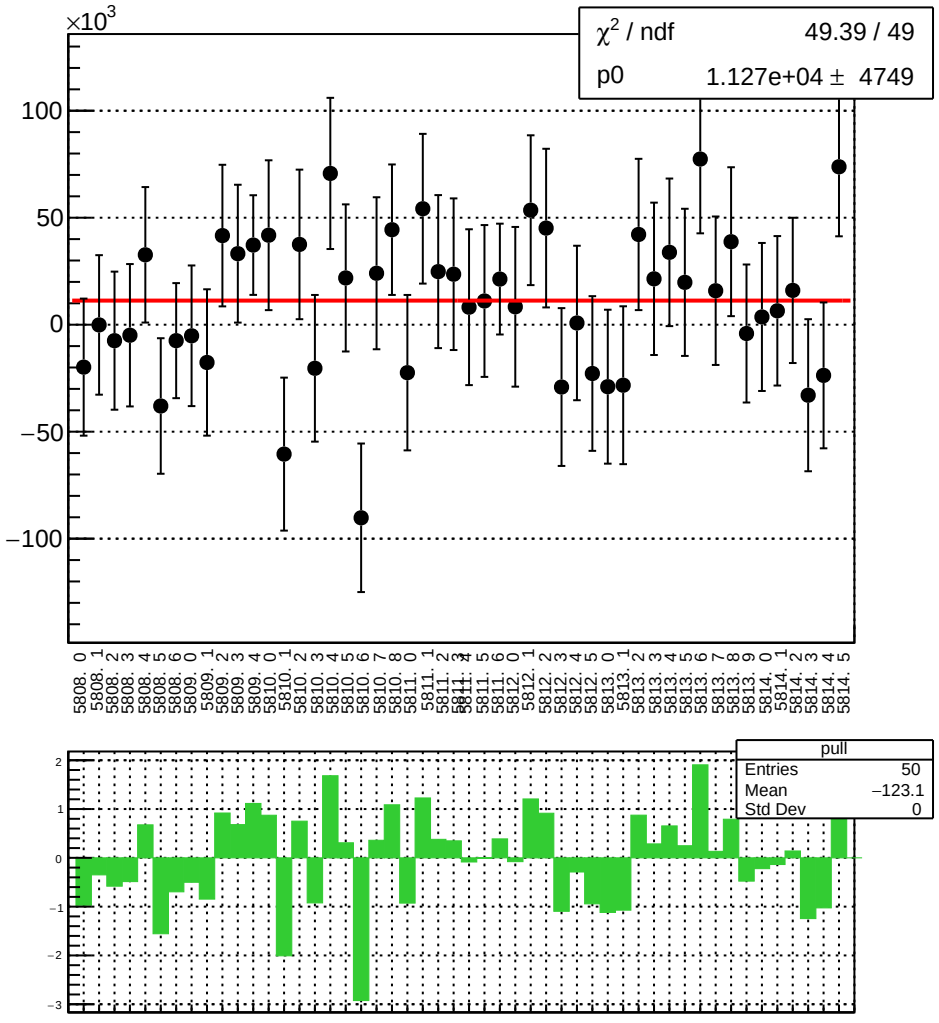
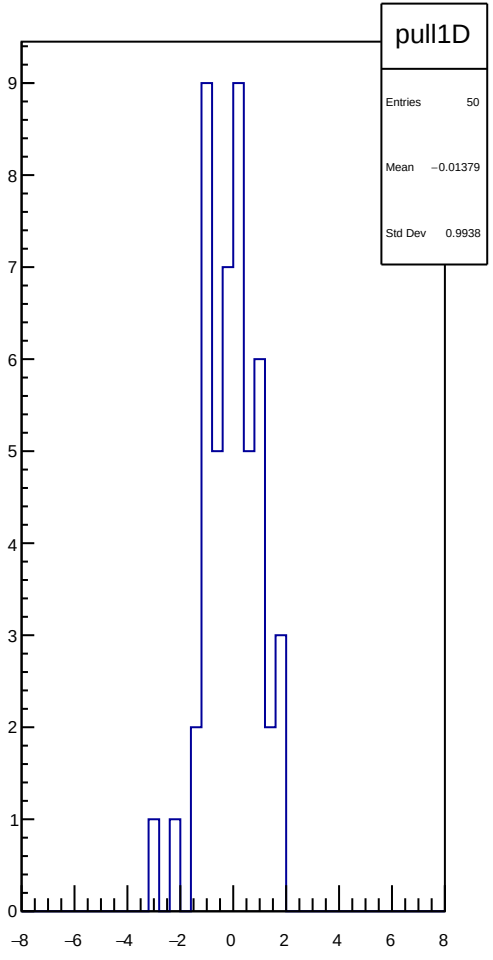
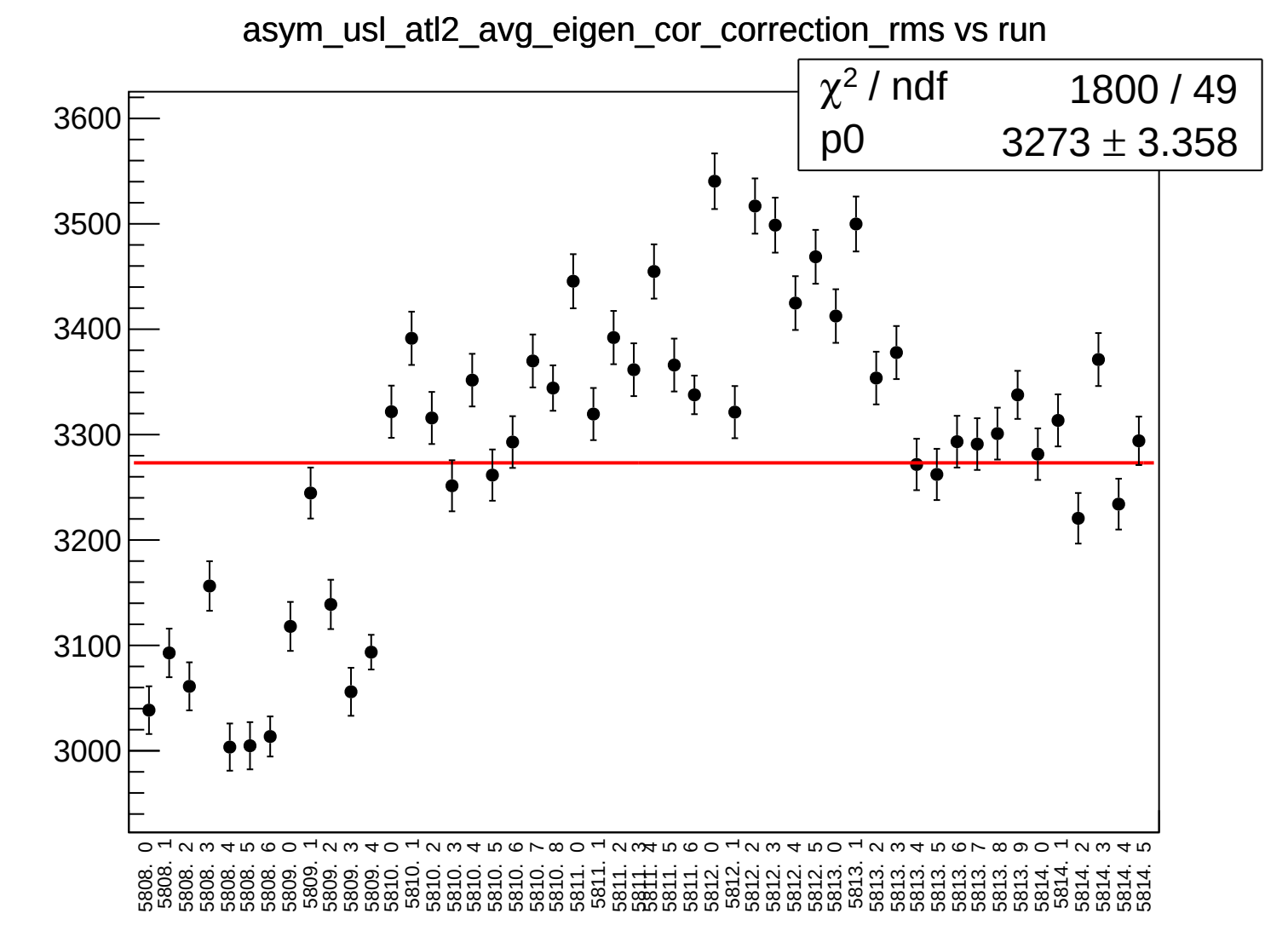
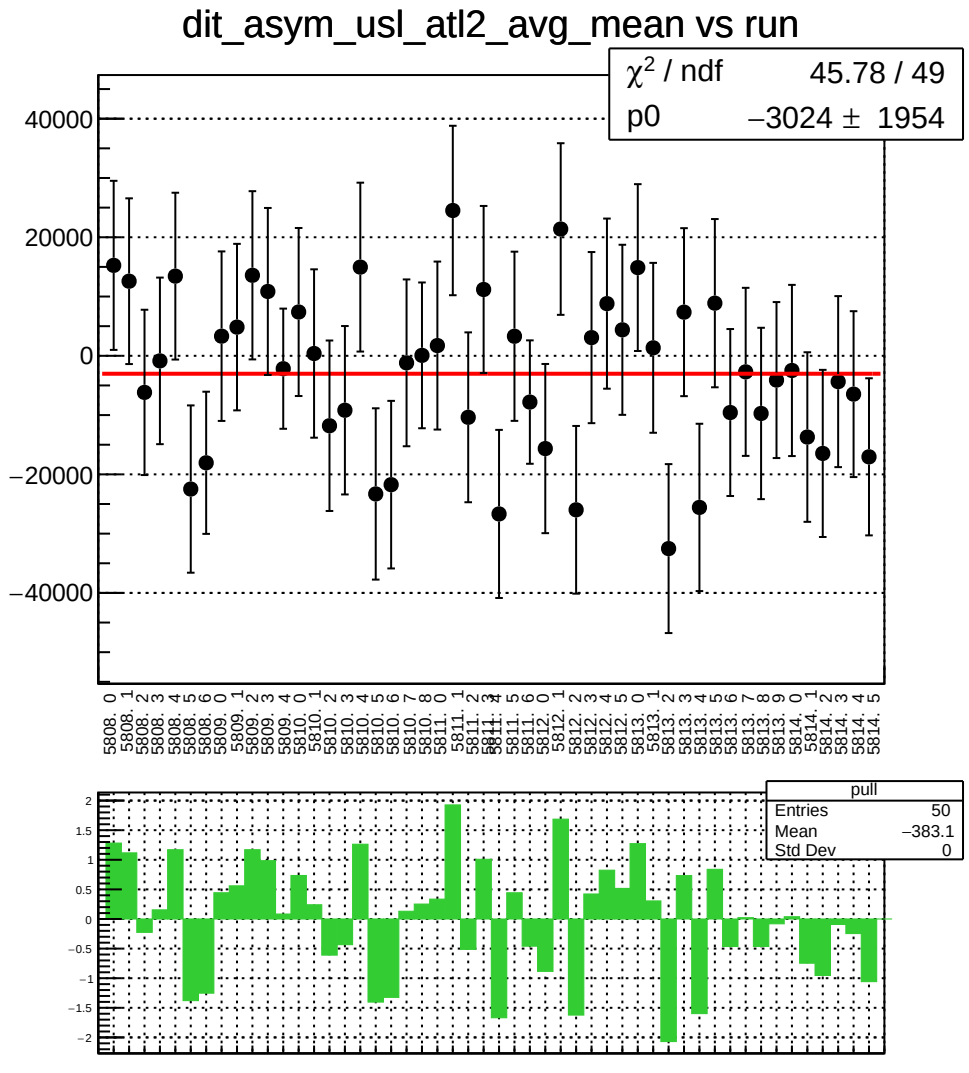
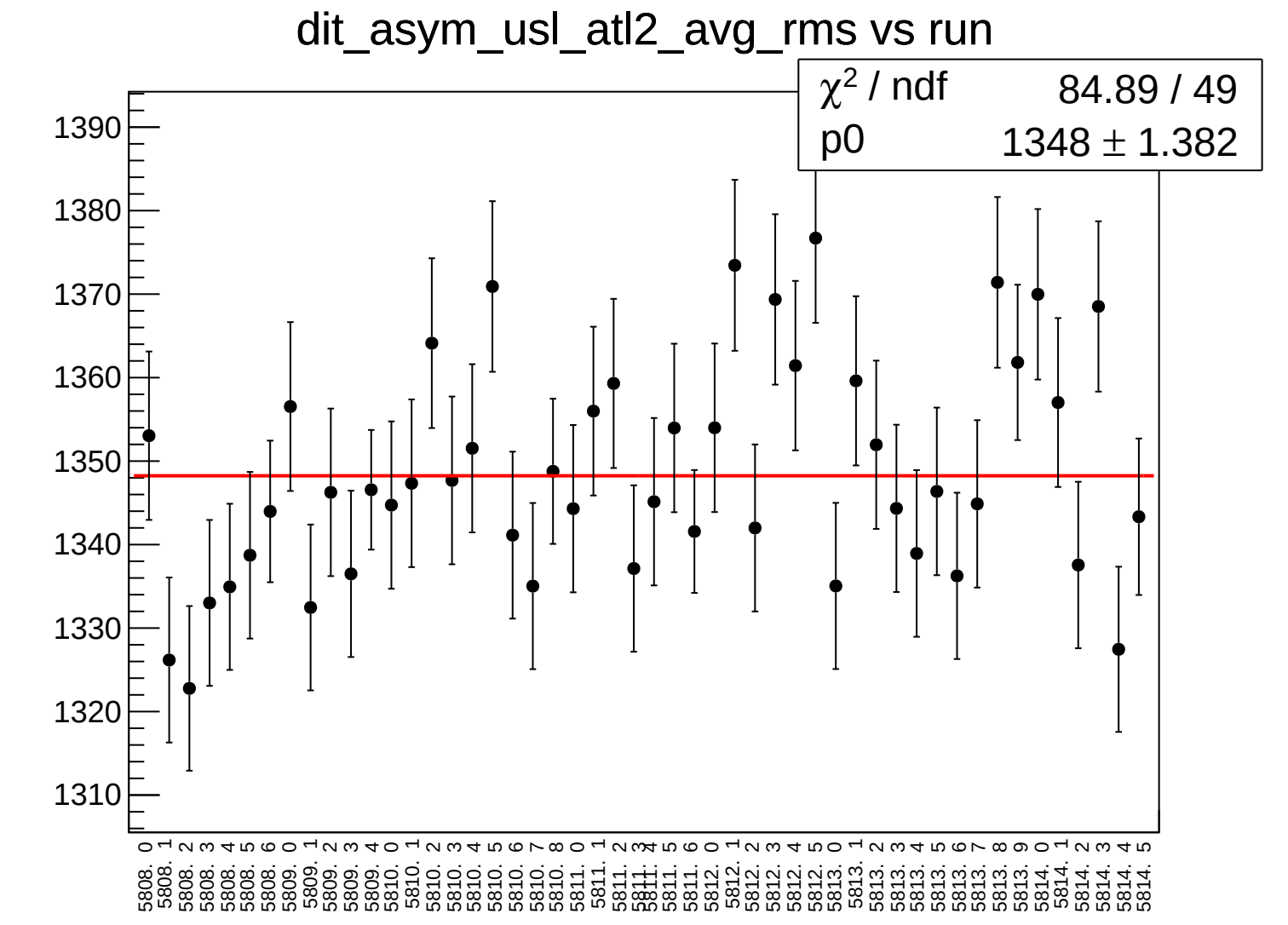
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

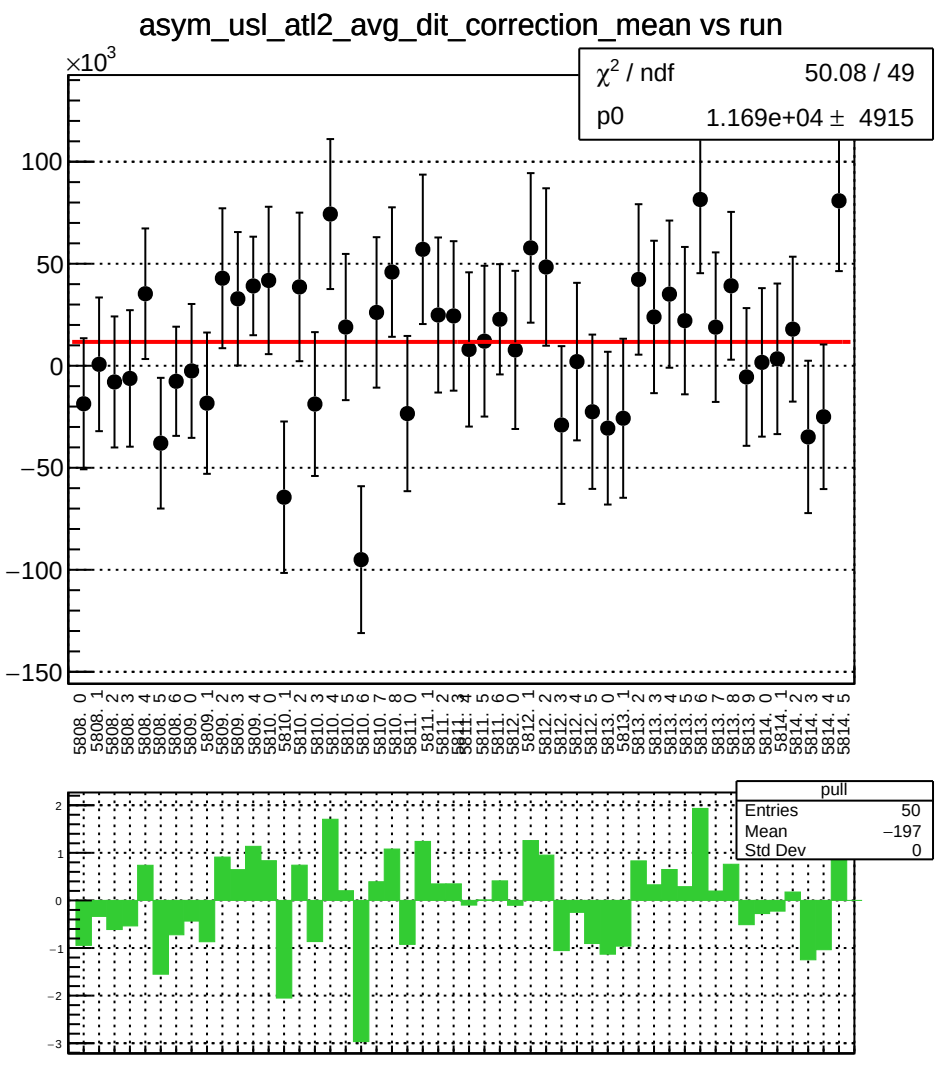

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 49.39 / 49
p0 1.127e+04 ± 4749
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123.1
Std Dev 0
2
1
0
−1
−2
−3

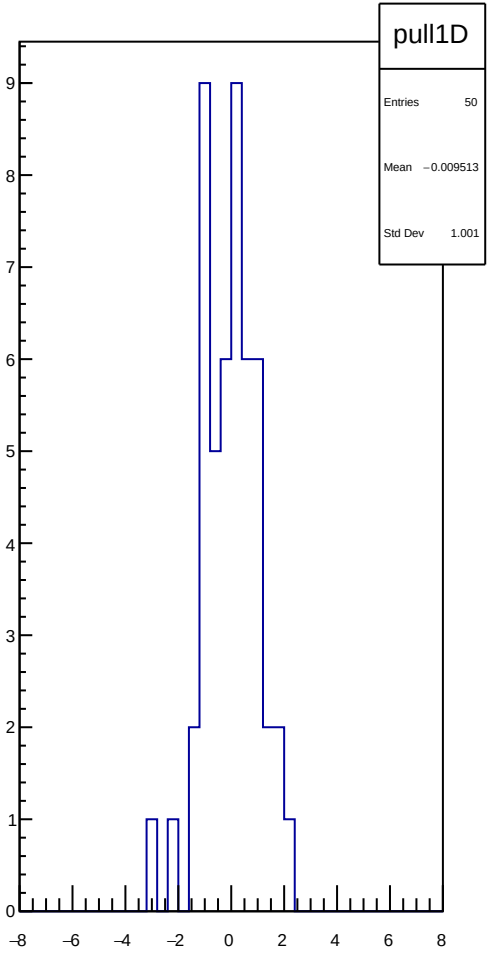

pull1D
Entries 50
Mean −0.01379
Std Dev 0.9938
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

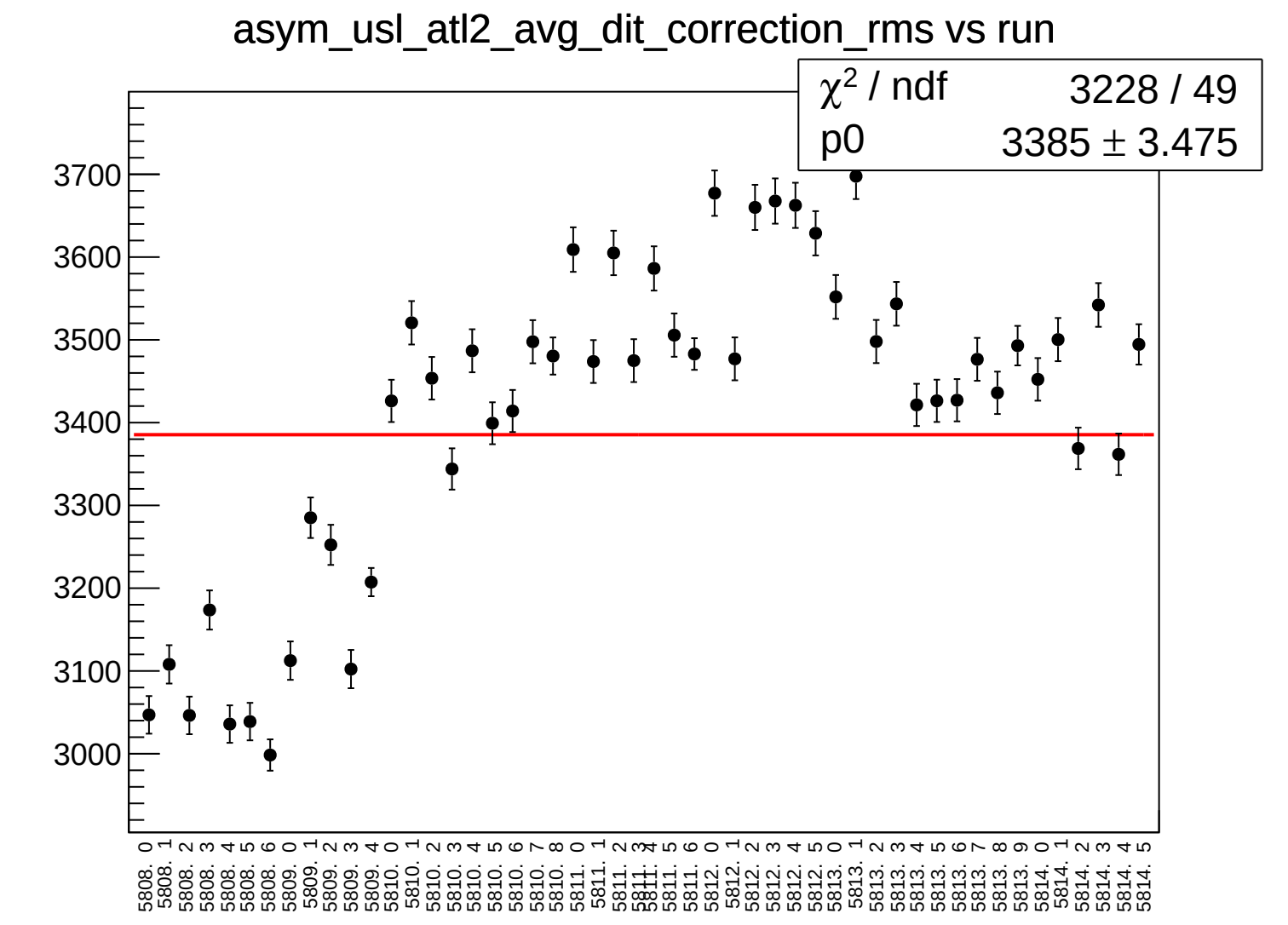

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1800 / 49
p0 3273 ± 3.358
3600
3500
3400
3300
3200
3100
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

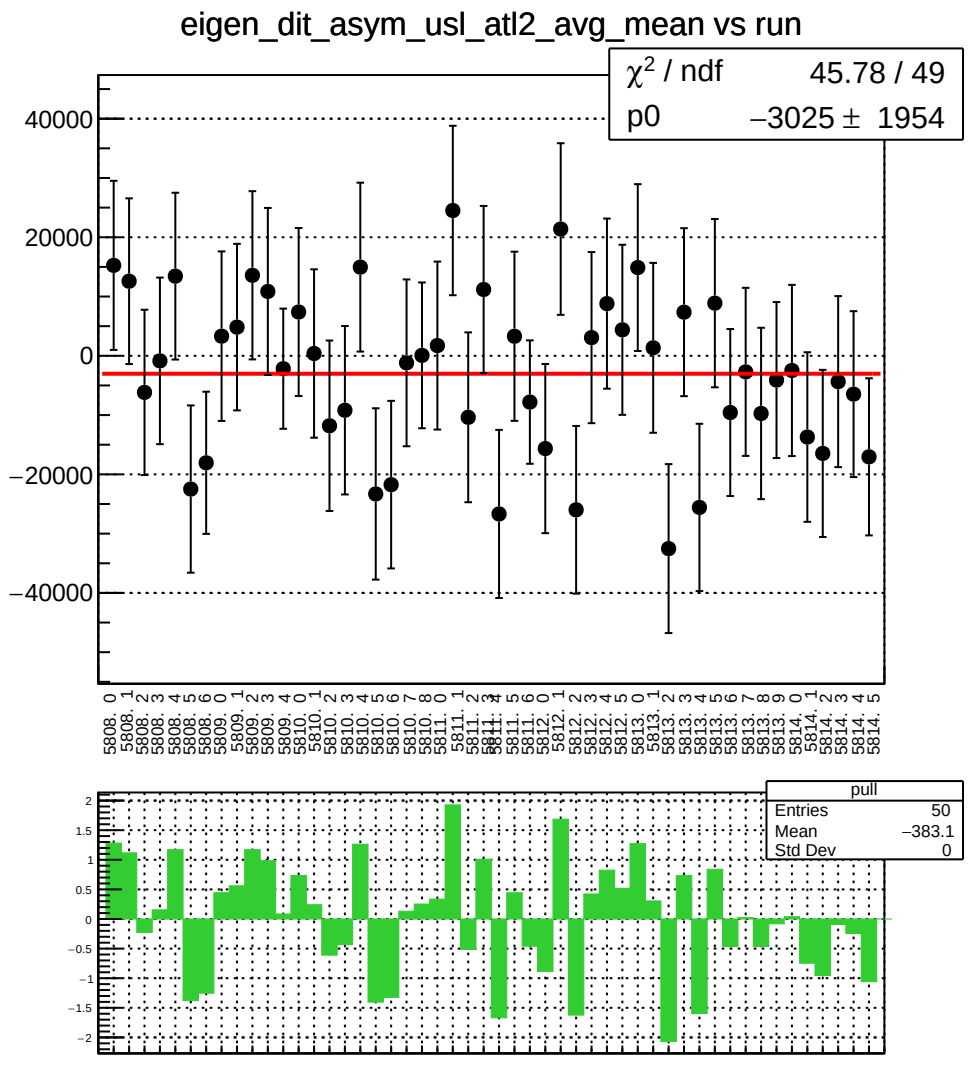

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.78 / 49
p0 −3024 ± 1954
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −383.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008206
Std Dev 0.9568
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

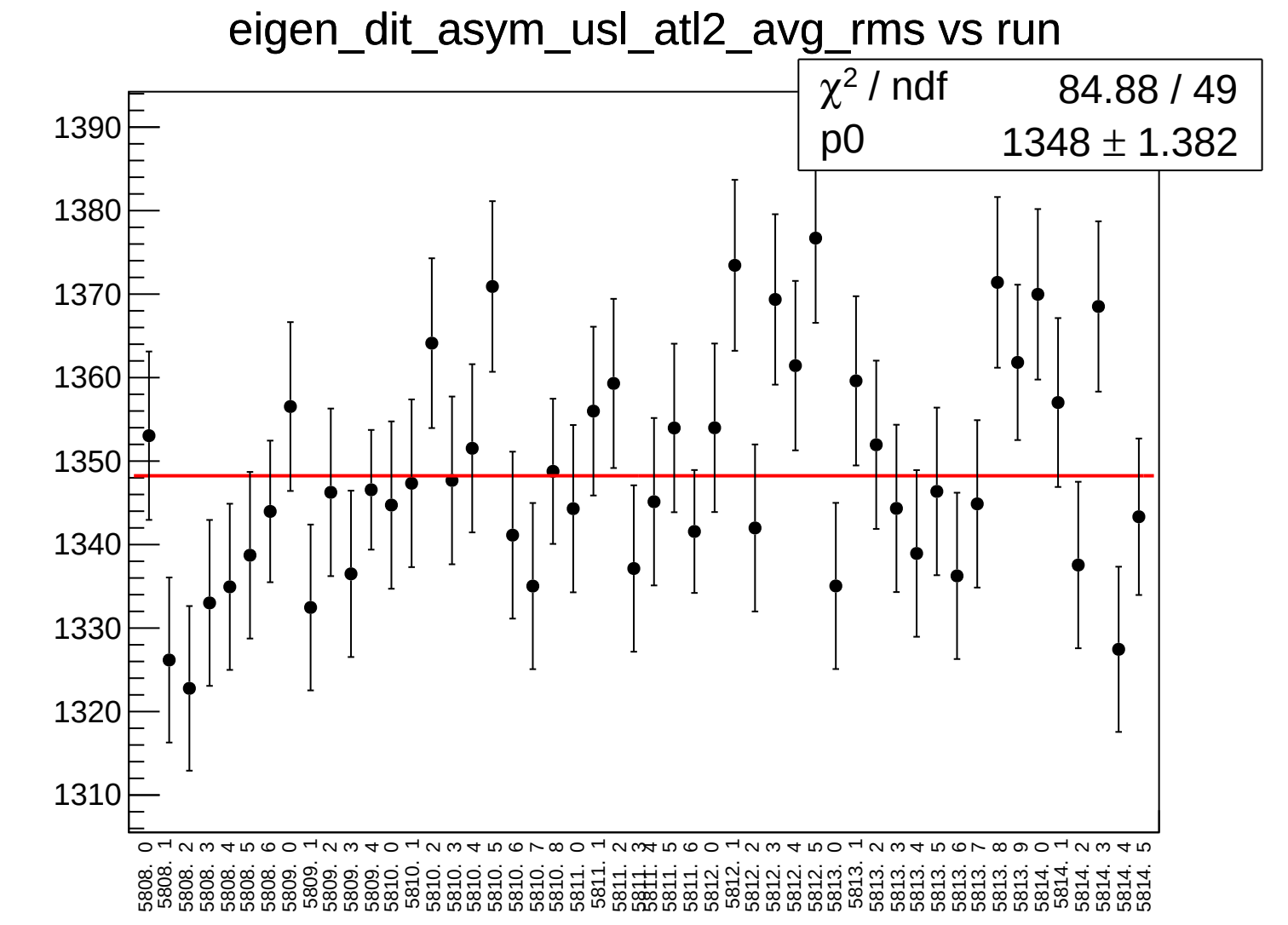

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 84.89 / 49
p0 1348 ± 1.382
1390
1380
1370
1360
1350
1340
1330
1320
1310
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

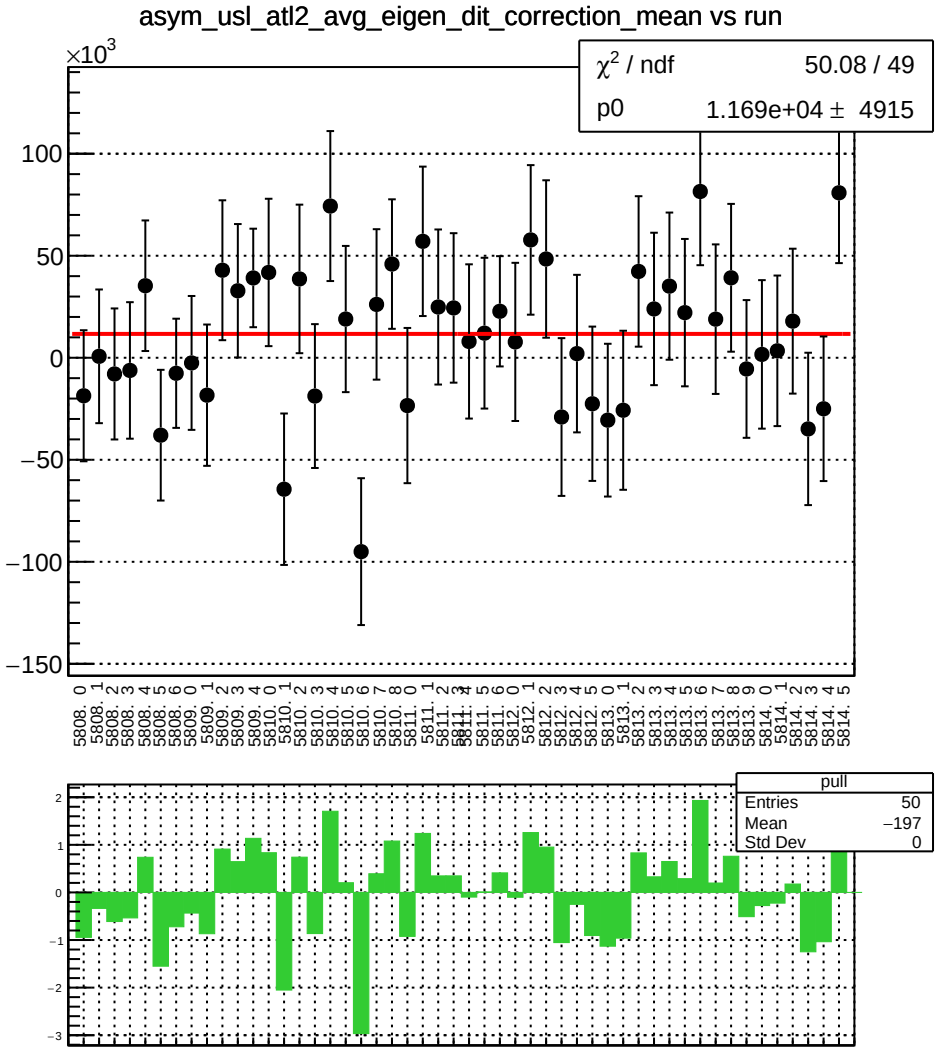

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 50.08 / 49
p0 1.169e+04 ± 4915
100
50
0
−50
−100
−150
pull
Entries 50
Mean −197
Std Dev 0
2
1
0
−1
−2
−3

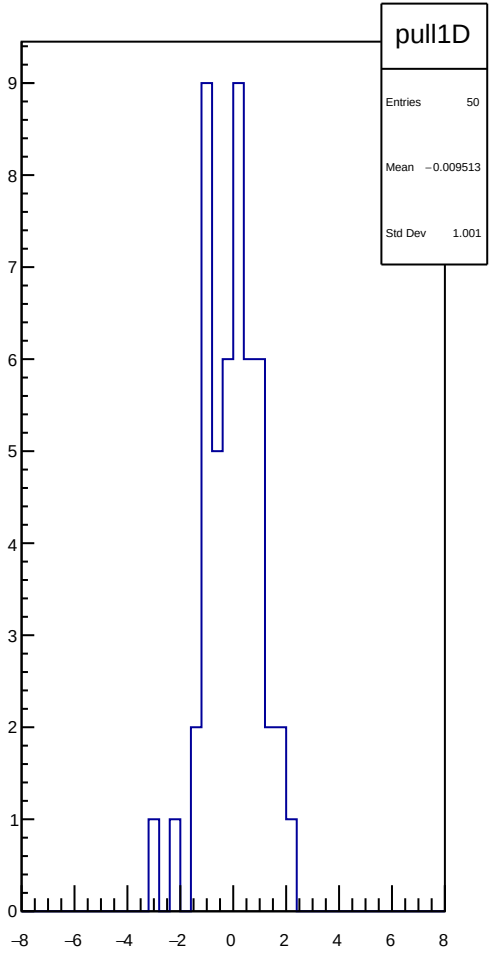

pull1D
Entries 50
Mean −0.009513
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

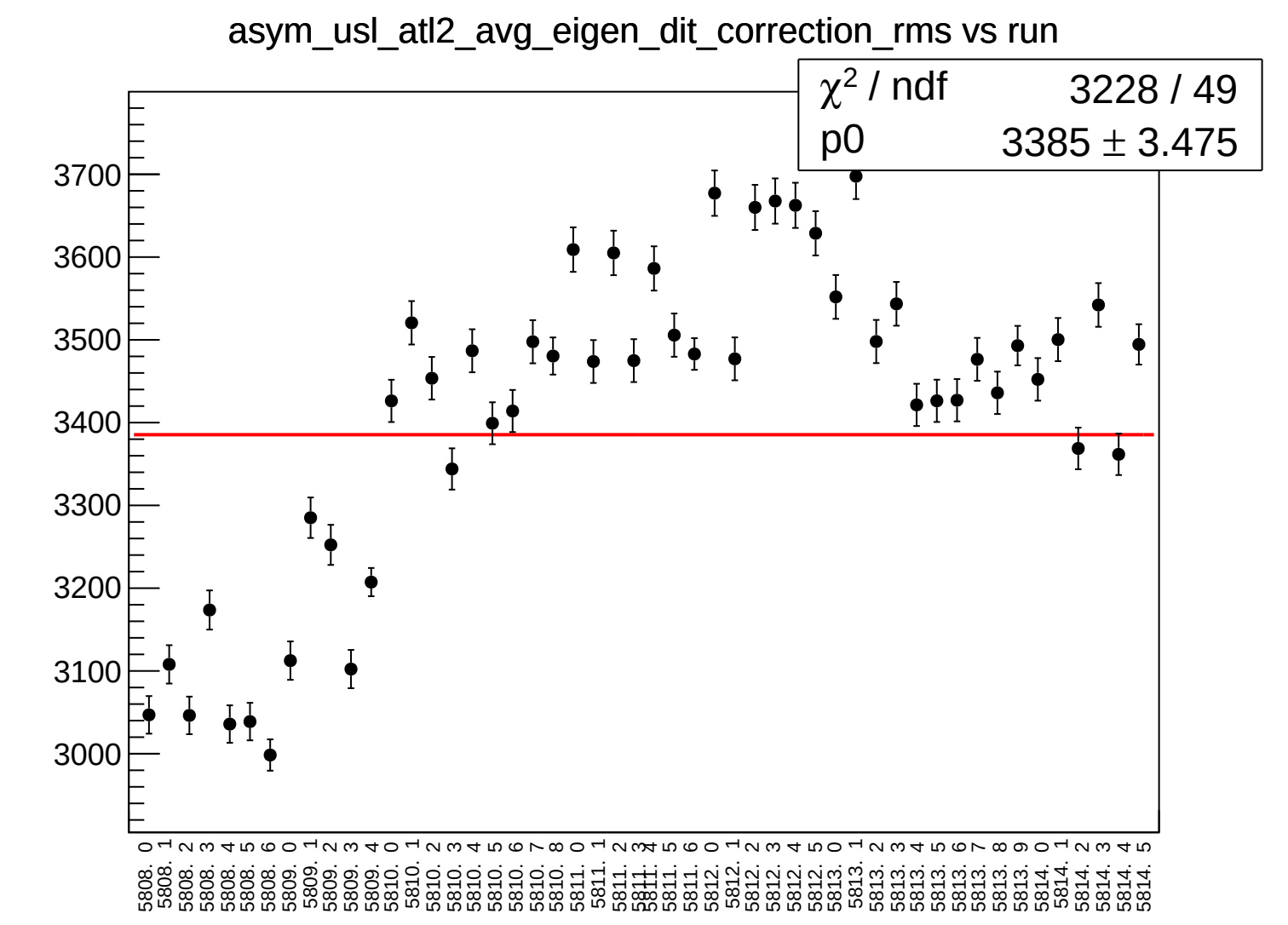

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 3228 / 49
p0 3385 ± 3.475
3700
3600
3500
3400
3300
3200
3100
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

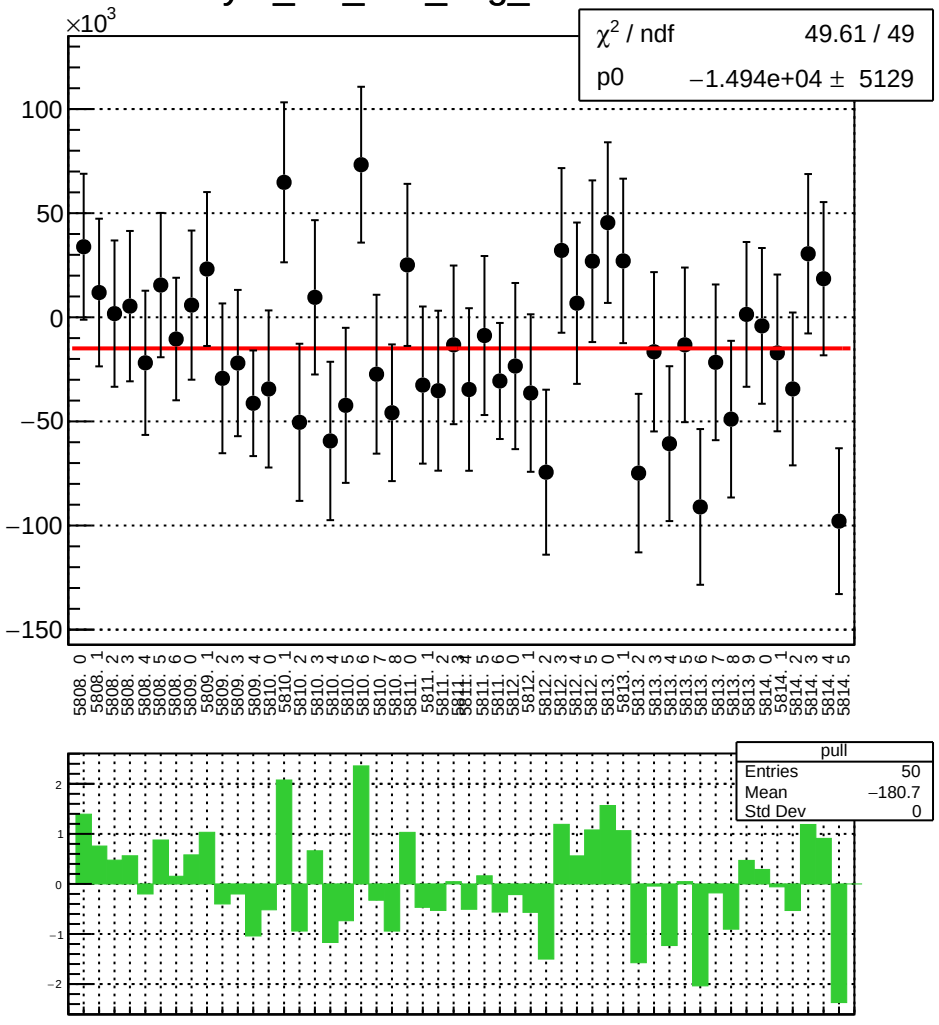

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 45.78 / 49
p0 −3025 ± 1954
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −383.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008206
Std Dev 0.9568
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

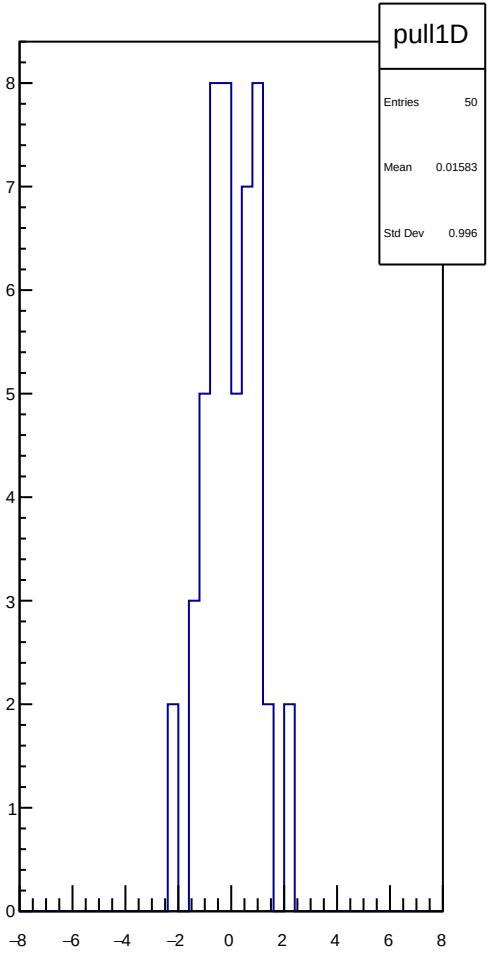

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 84.88 / 49
p0 1348 ± 1.382
1390
1380
1370
1360
1350
1340
1330
1320
1310
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

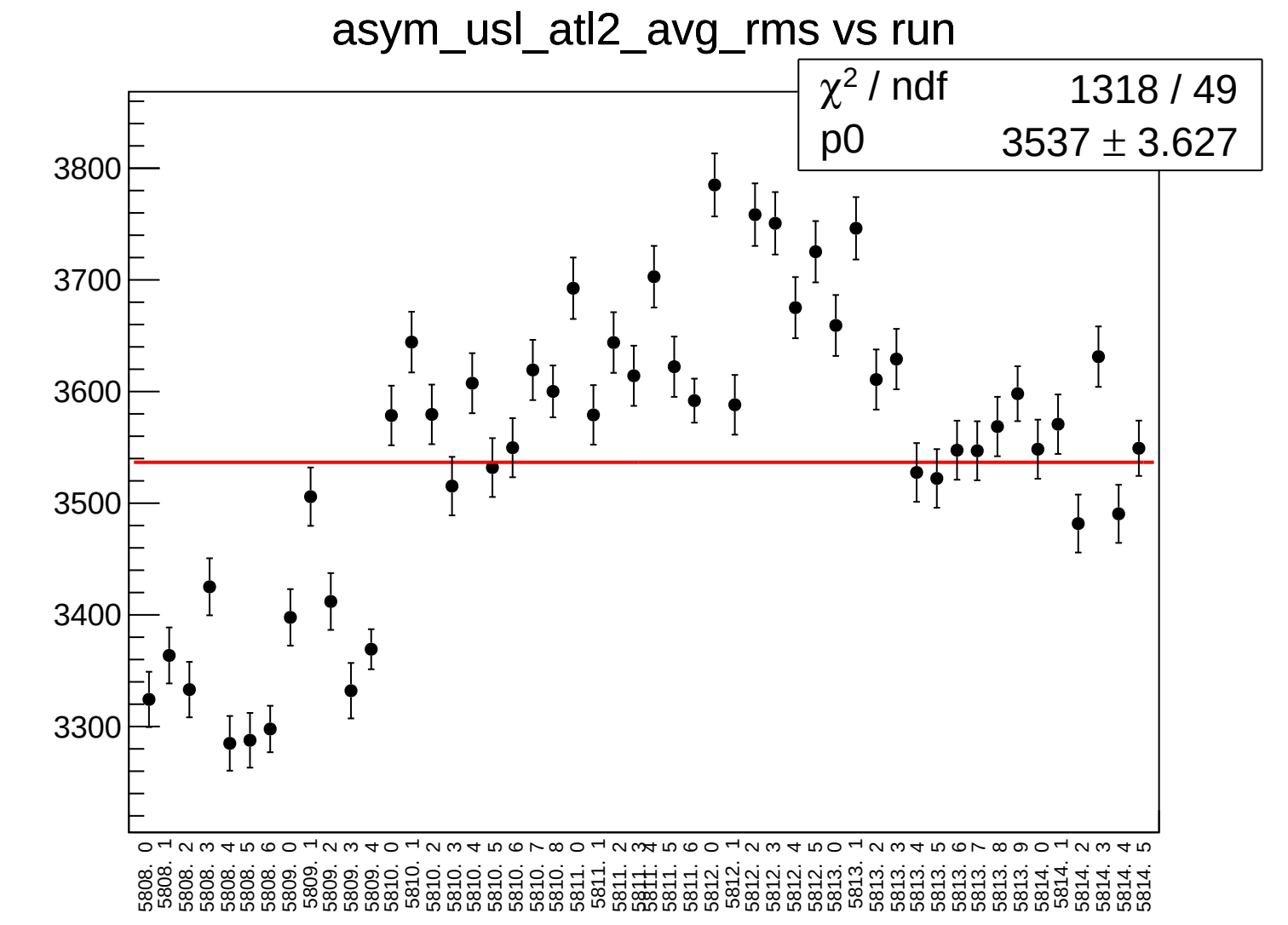

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 50.08 / 49
p0 1.169e+04 ± 4915
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −197
Std Dev 0
2
1
0
−1
−2
−3

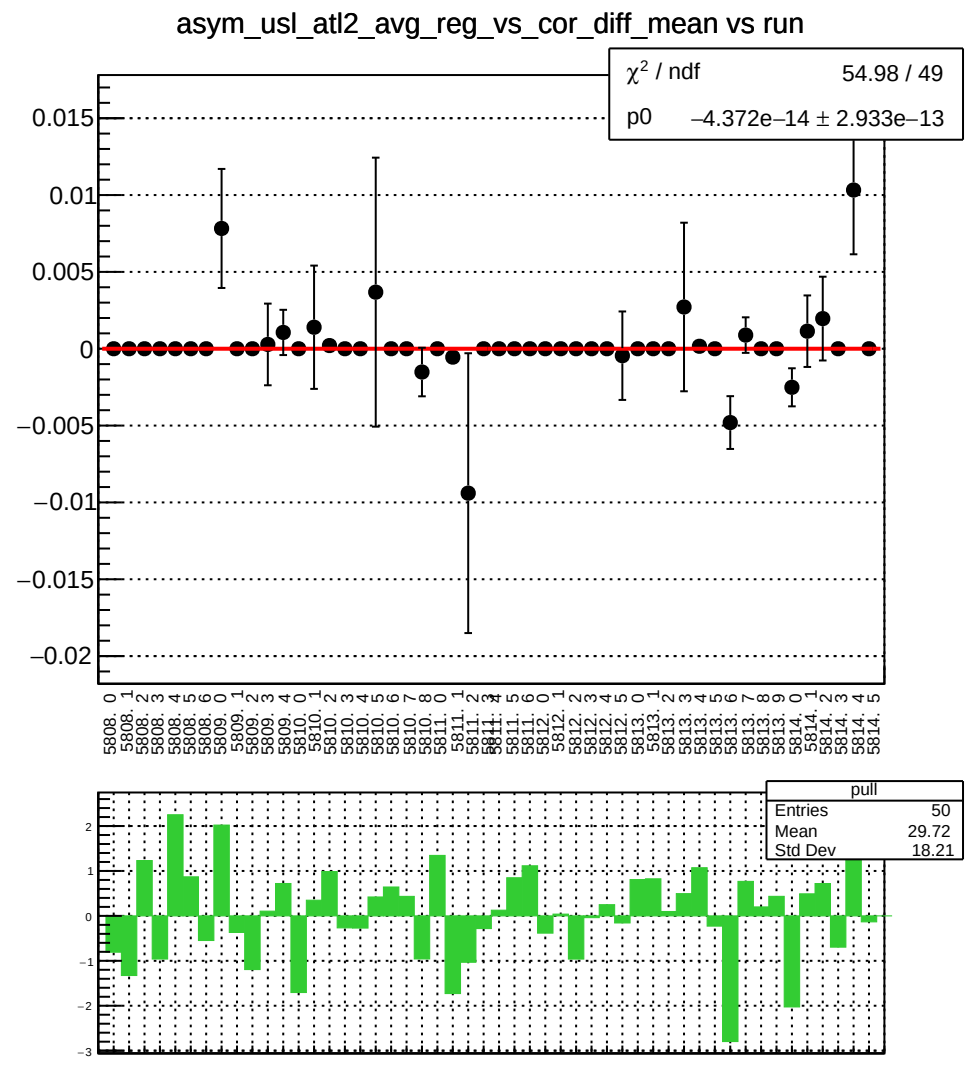

pull1D
Entries 50
Mean −0.009513
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

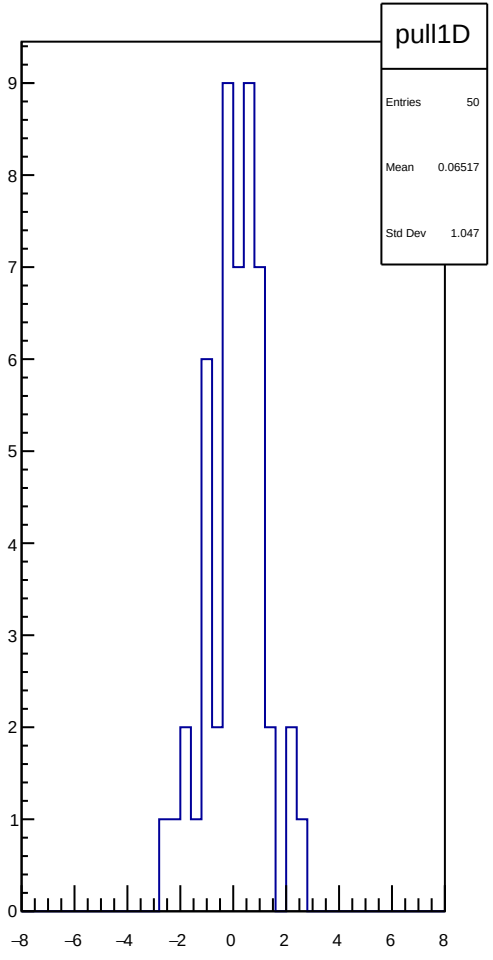

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 3228 / 49
p0 3385 ± 3.475
3700
3600
3500
3400
3300
3200
3100
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

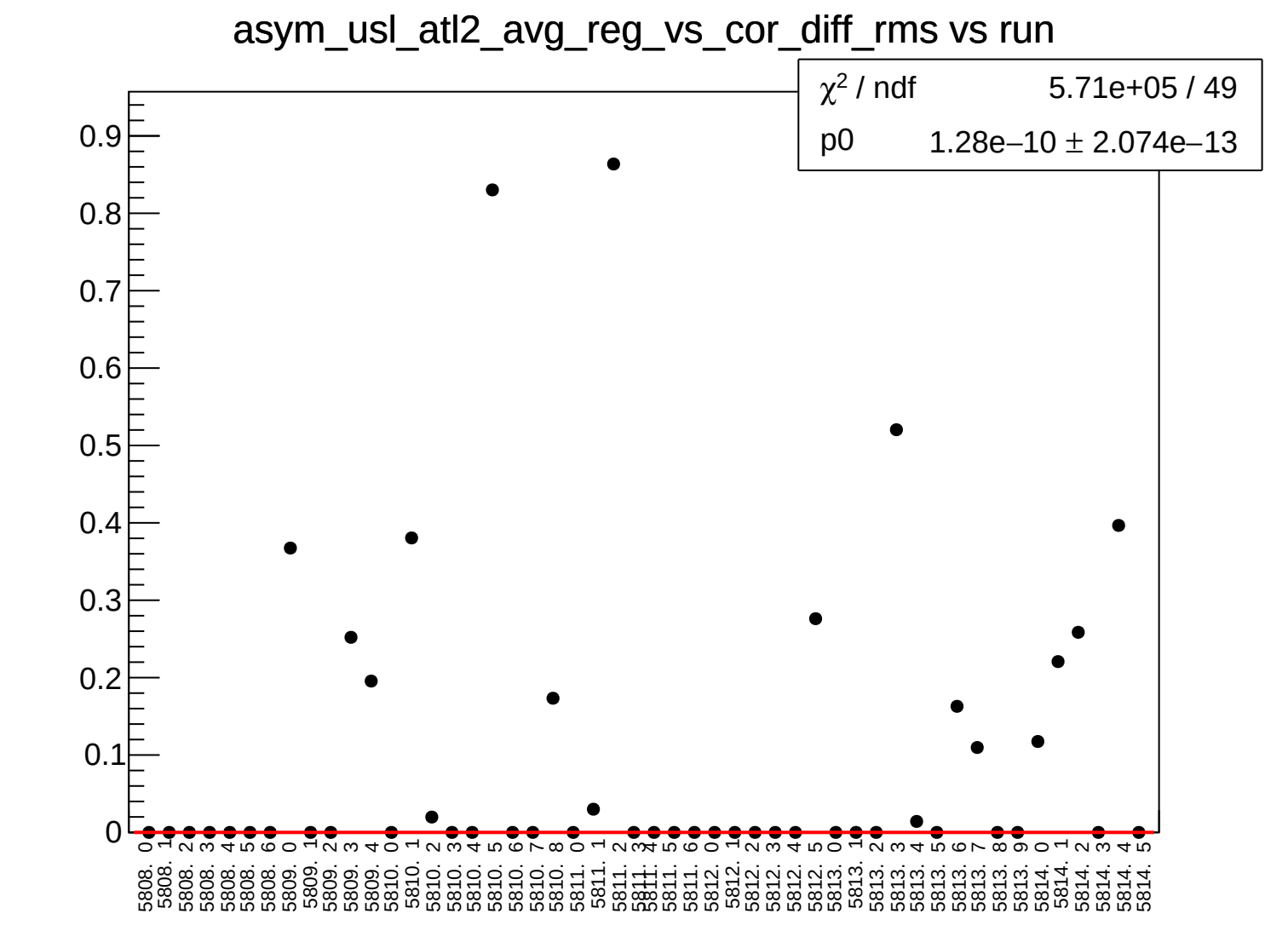

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 49.61 / 49
p0 −1.494e+04 ± 5129
100
50
0
−50
−100
−150
pull
Entries 50
Mean −180.7
Std Dev 0
2
1
0
−1
−2

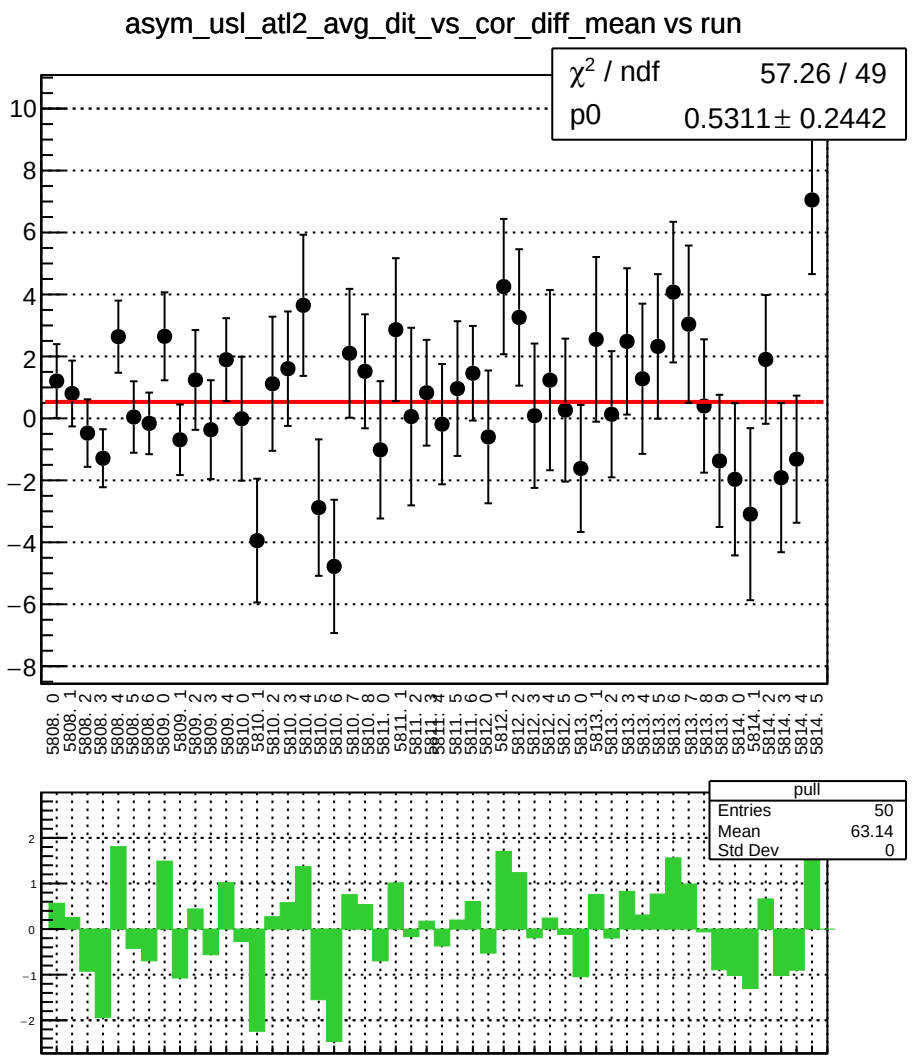

pull1D
Entries 50
Mean 0.01583
Std Dev 0.996
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

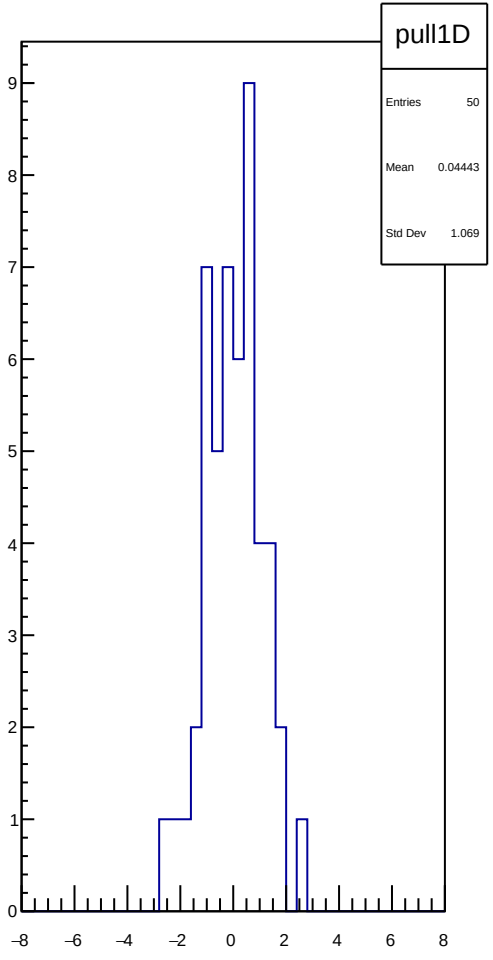

asym_usl_atl2_avg_rms vs run
χ² / ndf 1318 / 49
p0 3537 ± 3.627
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

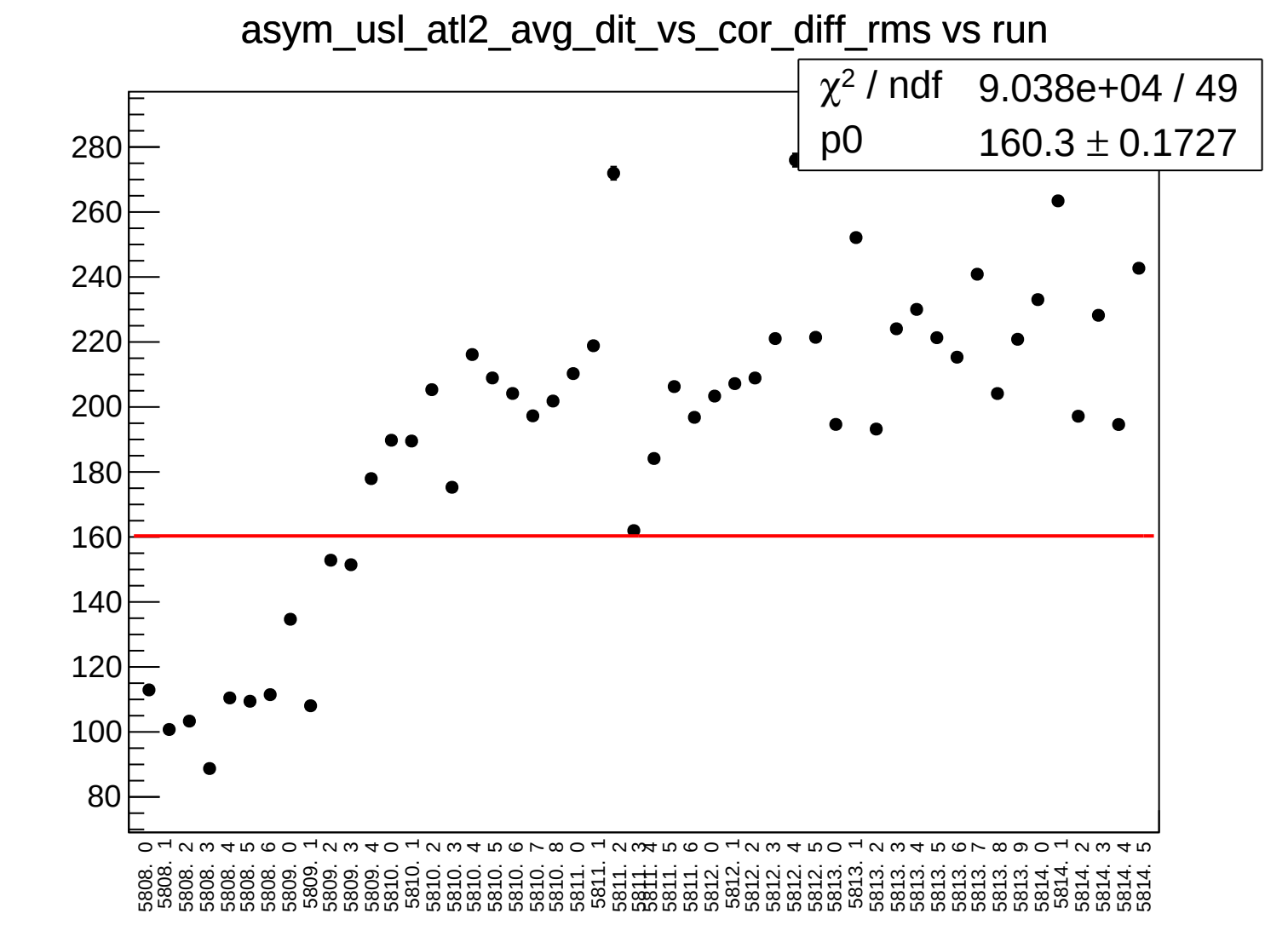

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.98 / 49
p0 −4.372e−14 ± 2.933e−13
pull
Entries 50
Mean 29.72
Std Dev 18.21

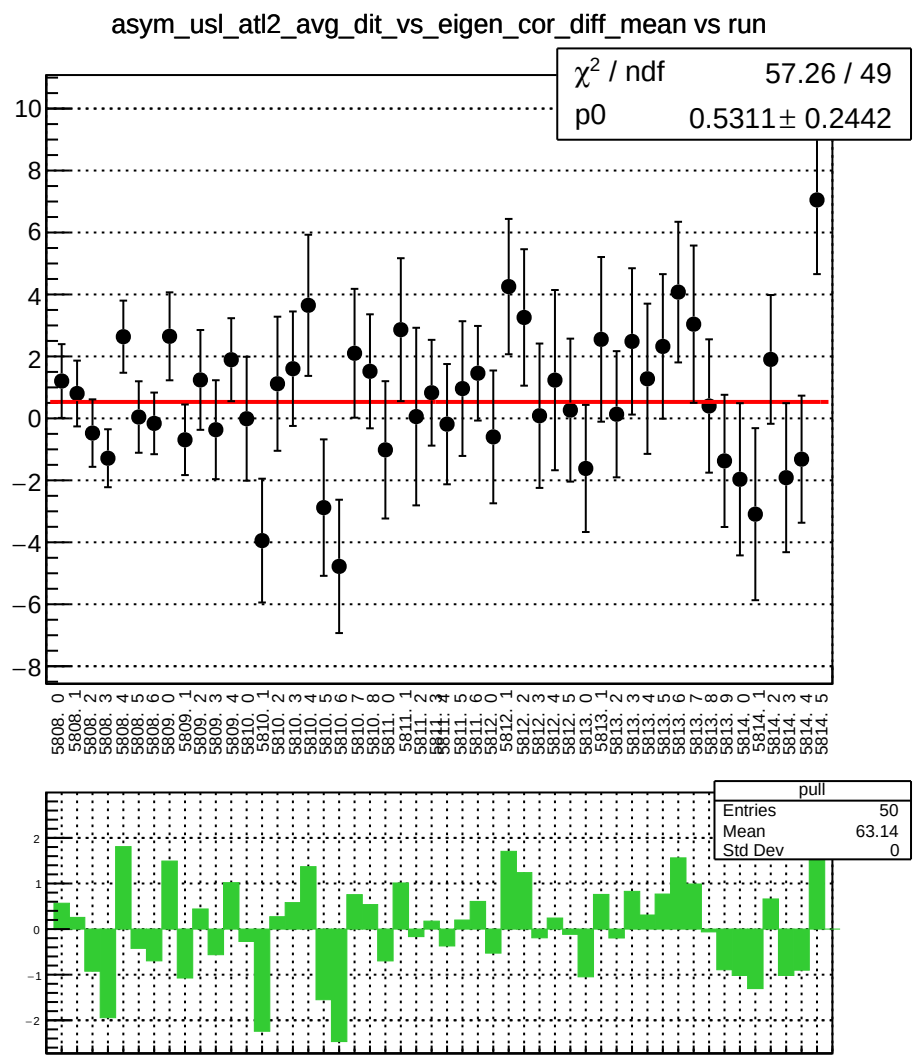

pull1D
Entries 50
Mean 0.06517
Std Dev 1.047

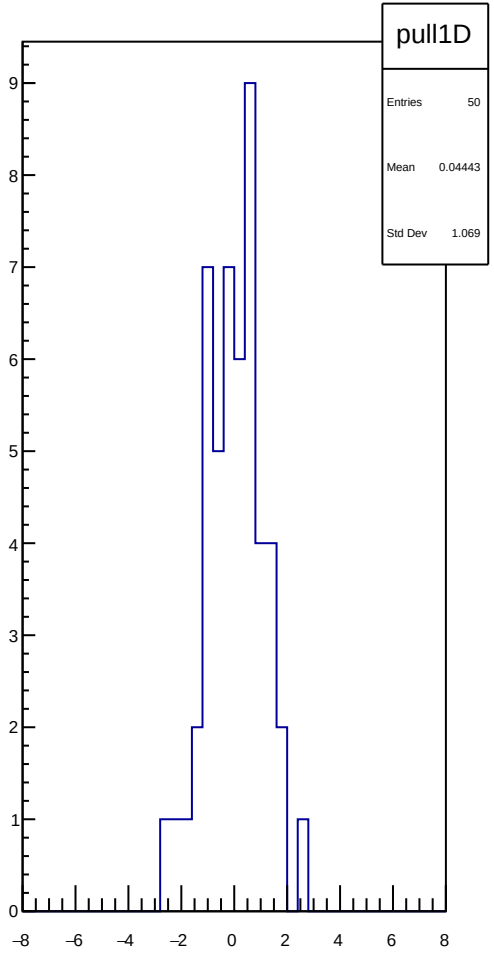

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.71e+05 / 49
p0 1.28e−10 ± 2.074e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

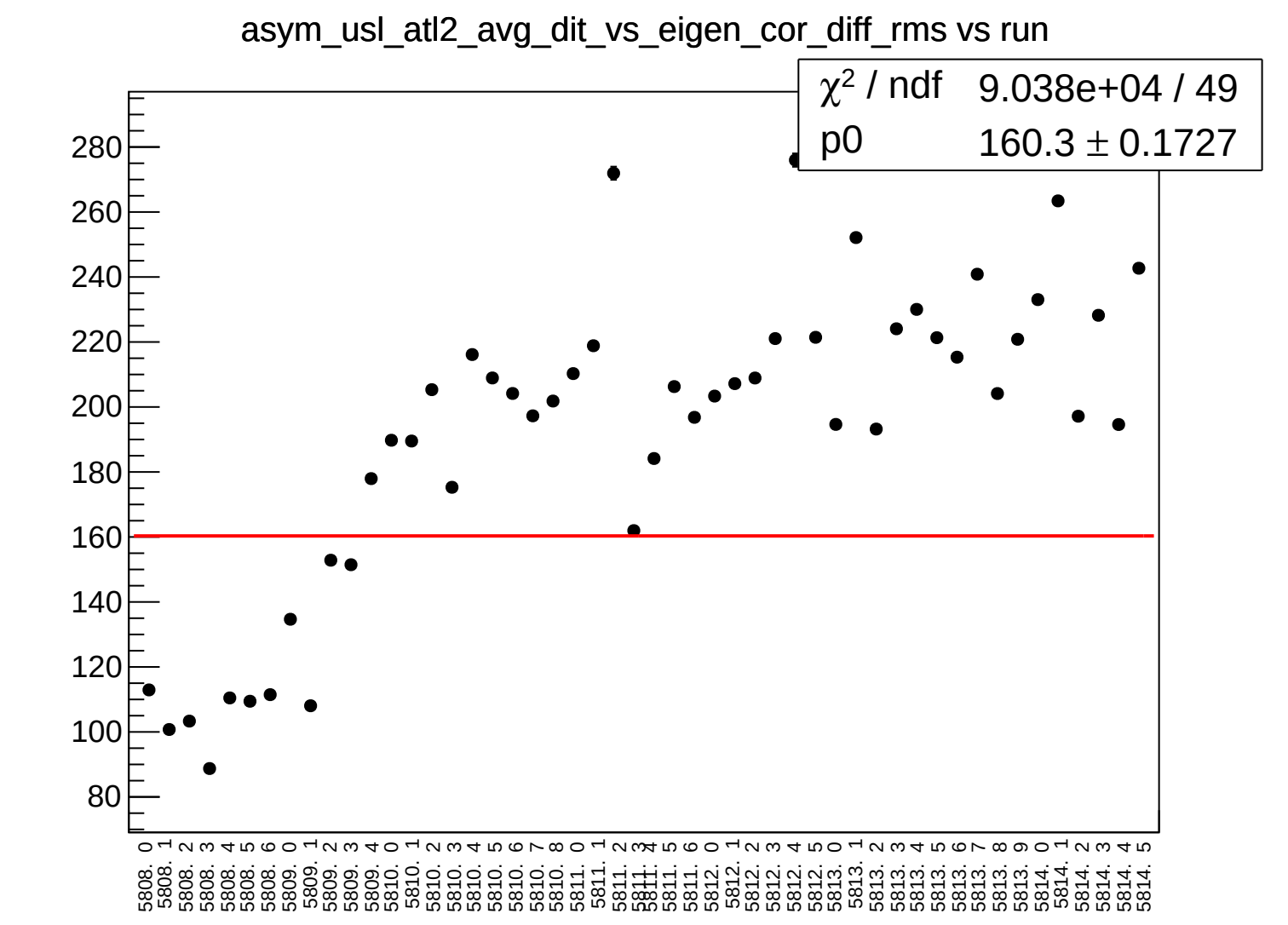

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 57.26 / 49
p0 0.5311 ± 0.2442
pull
Entries 50
Mean 63.14
Std Dev 0

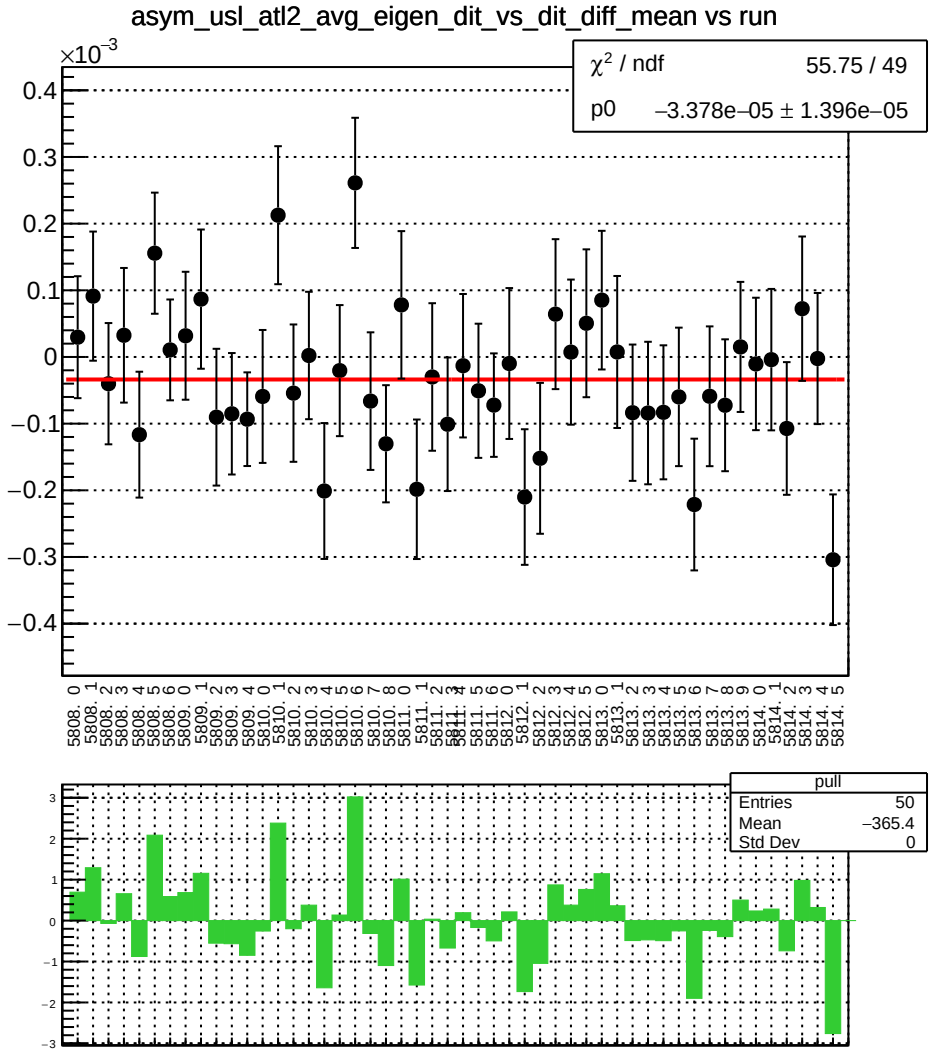

pull1D
Entries 50
Mean 0.04443
Std Dev 1.069

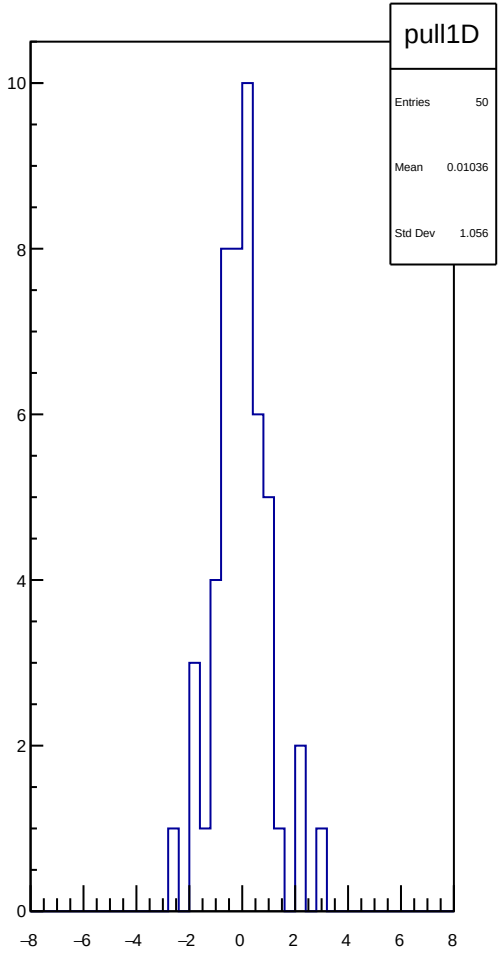

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.038e+04 / 49
p0 160.3 ± 0.1727
280
260
240
220
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

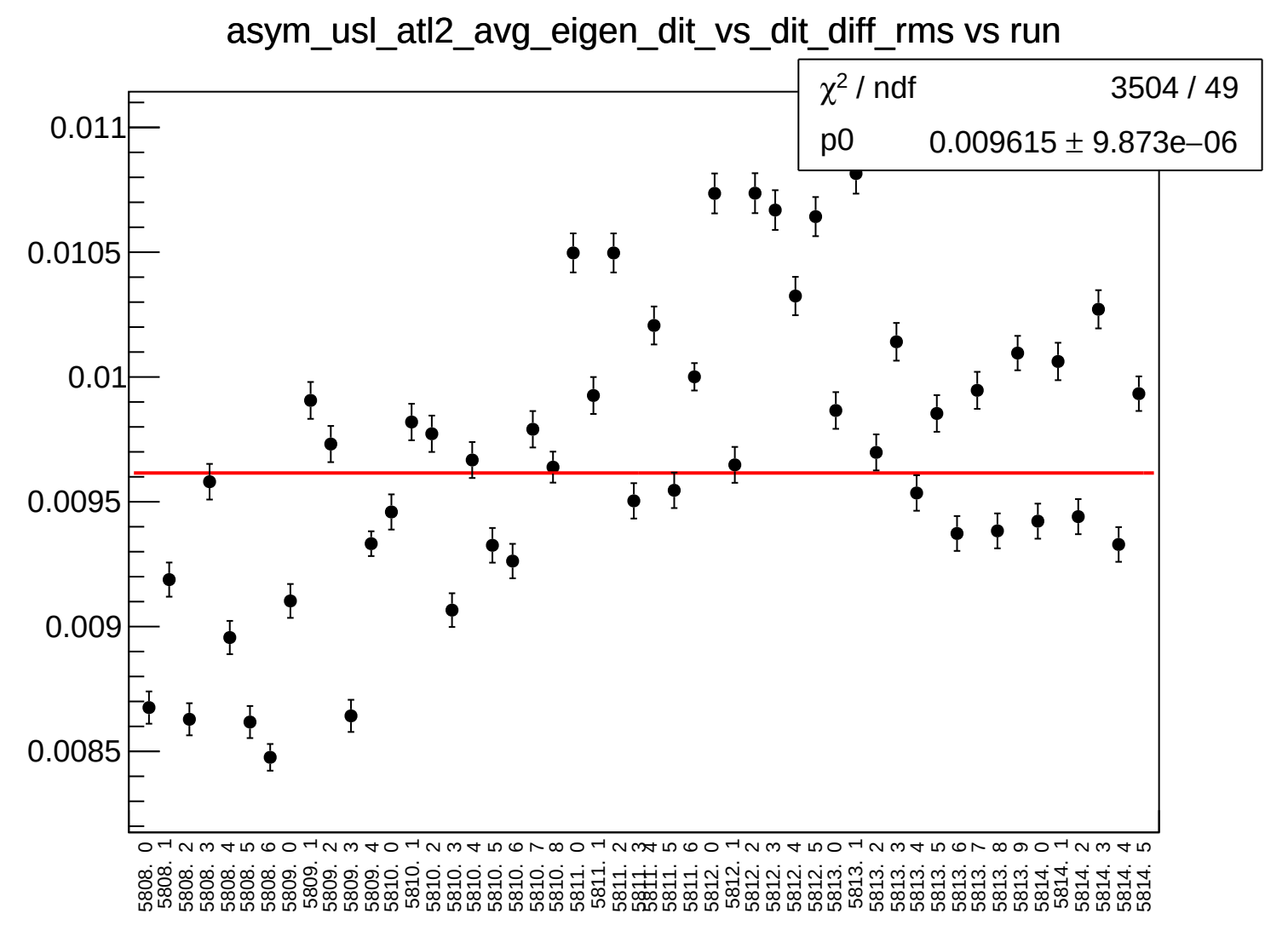

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.26 / 49
p0 0.5311 ± 0.2442
pull
Entries 50
Mean 63.14
Std Dev 0


pull1D
Entries 50
Mean 0.04443
Std Dev 1.069


asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.038e+04 / 49
p0 160.3 ± 0.1727
280
260
240
220
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.75 / 49
p0 −3.378e−05 ± 1.396e−05
pull
Entries 50
Mean −365.4
Std Dev 0


pull1D
Entries 50
Mean 0.01036
Std Dev 1.056


asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3504 / 49
p0 0.009615 ± 9.873e−06
0.011
0.0105
0.01
0.0095
0.009
0.0085
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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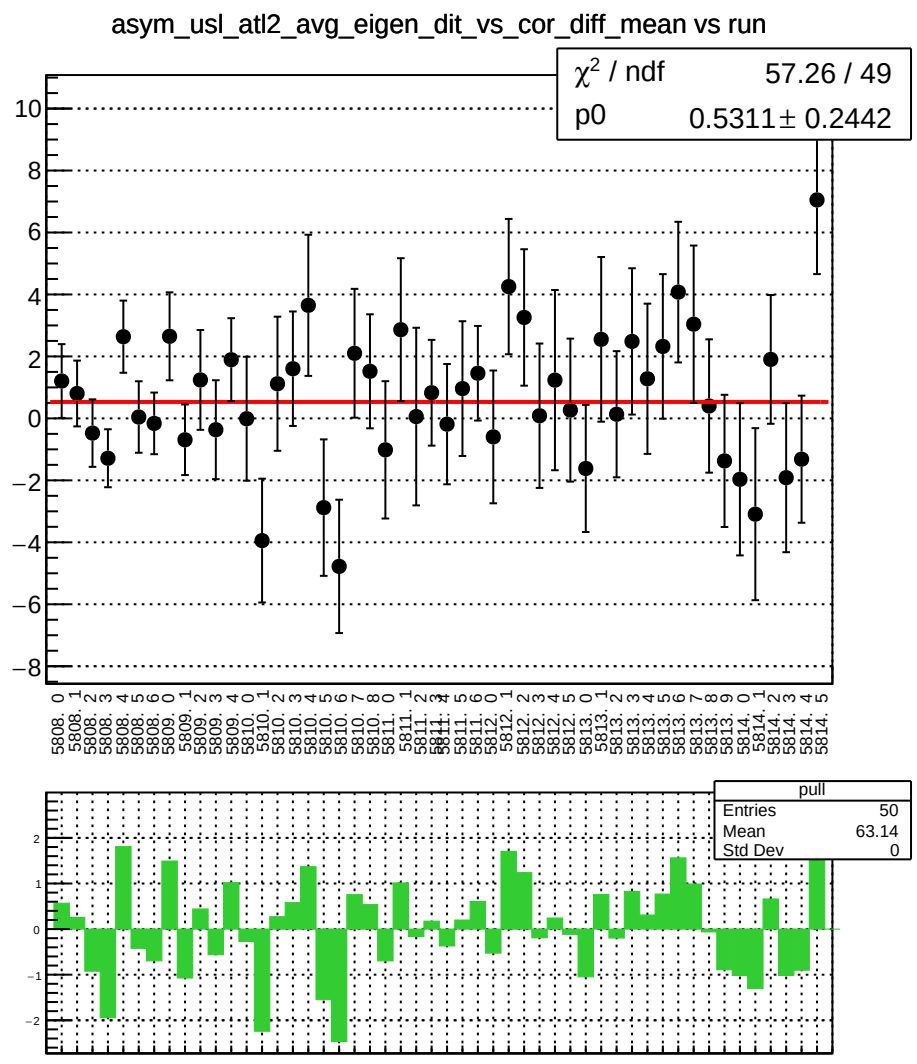
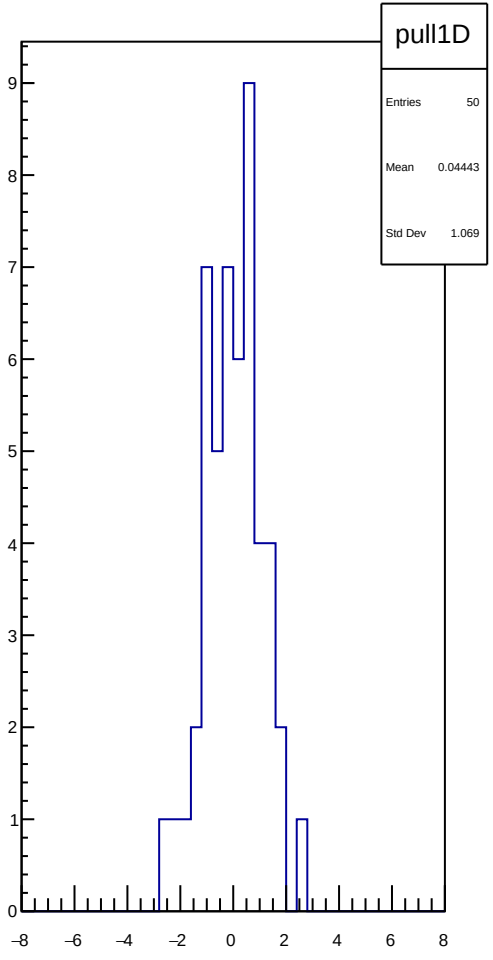
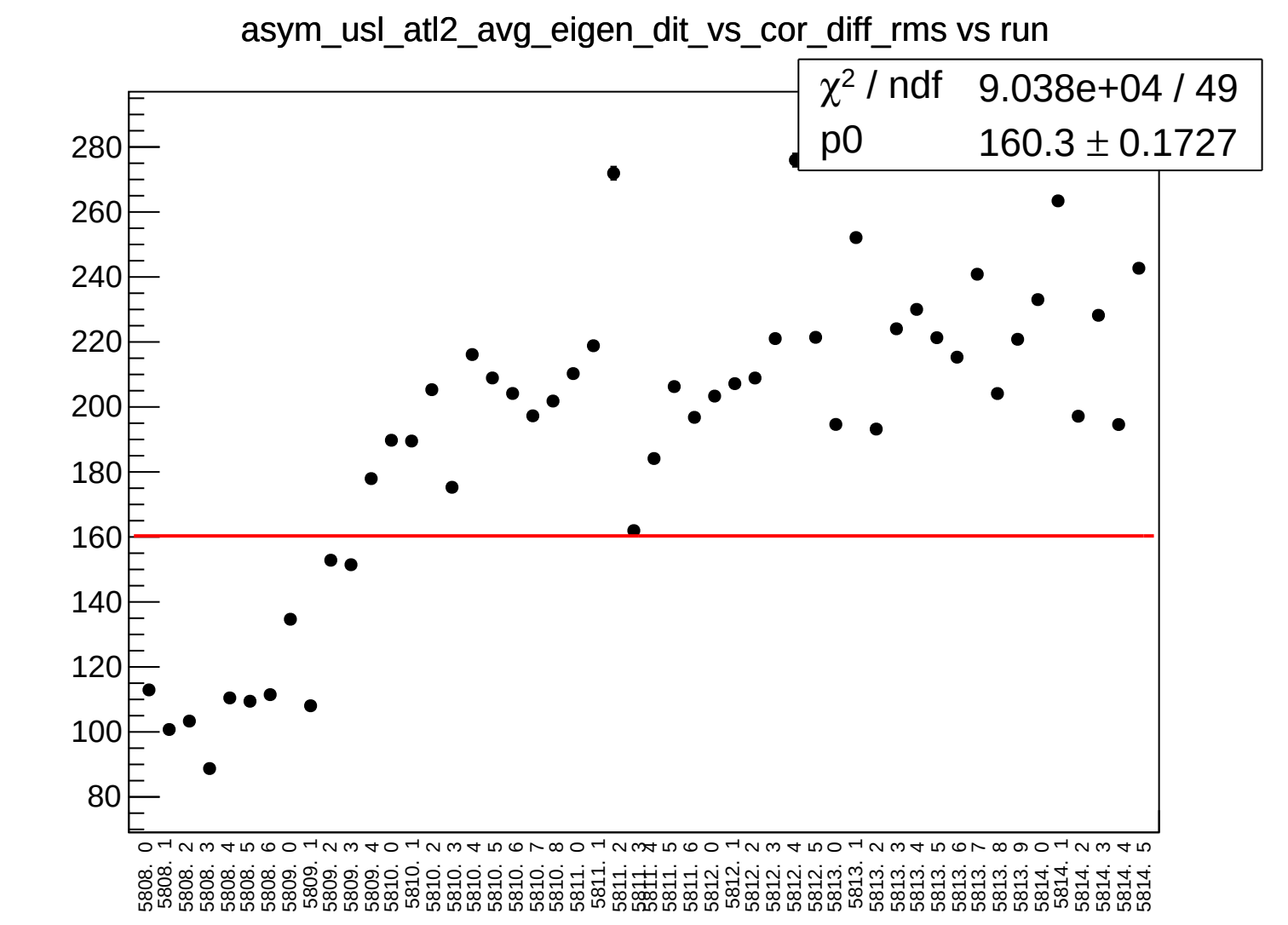
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.26 / 49
p0 0.5311 ± 0.2442
pull
Entries 50
Mean 63.14
Std Dev 0


pull1D
Entries 50
Mean 0.04443
Std Dev 1.069


asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.038e+04 / 49
p0 160.3 ± 0.1727
280
260
240
220
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 8
5813. 9
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5814. 2
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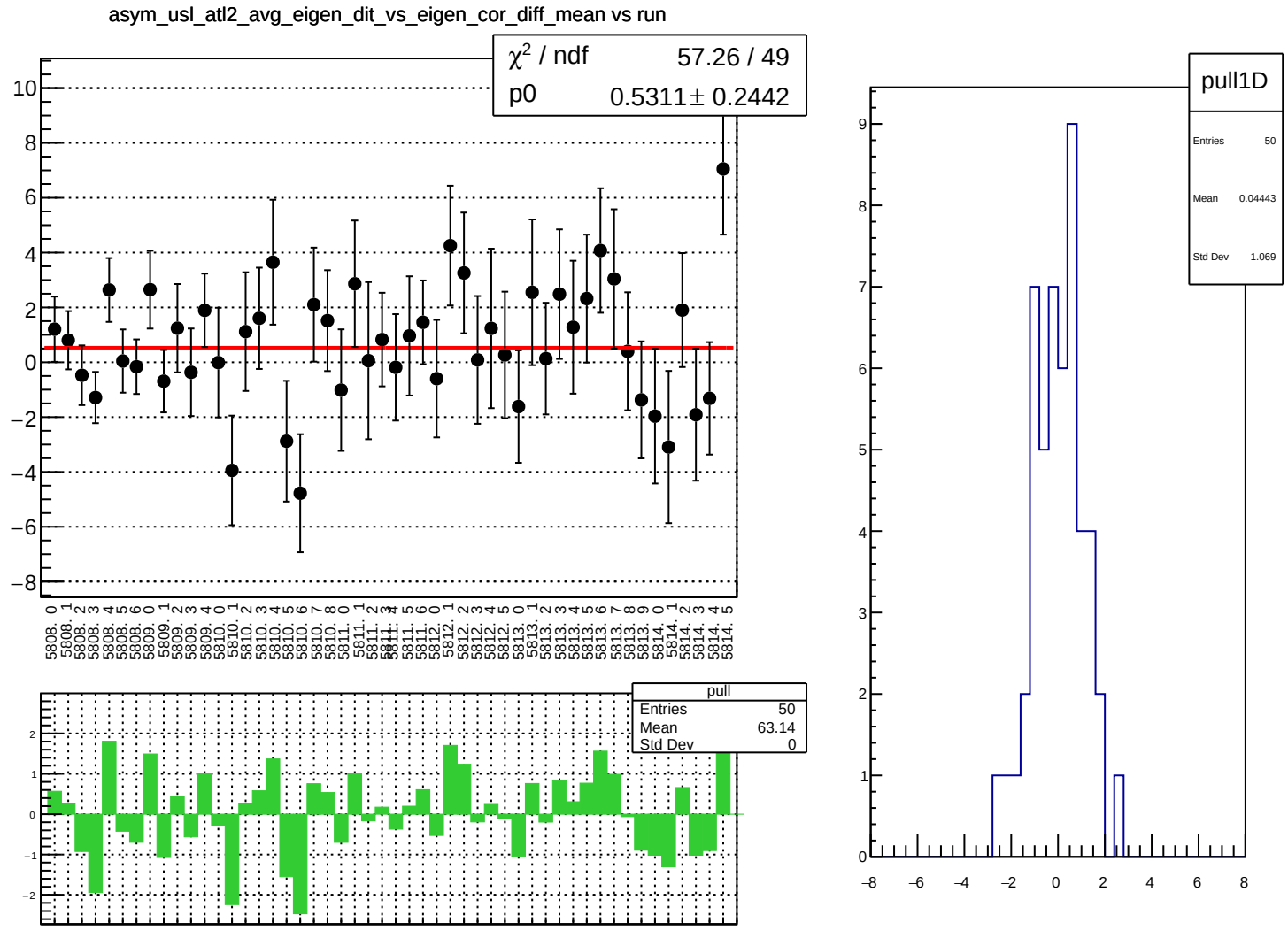
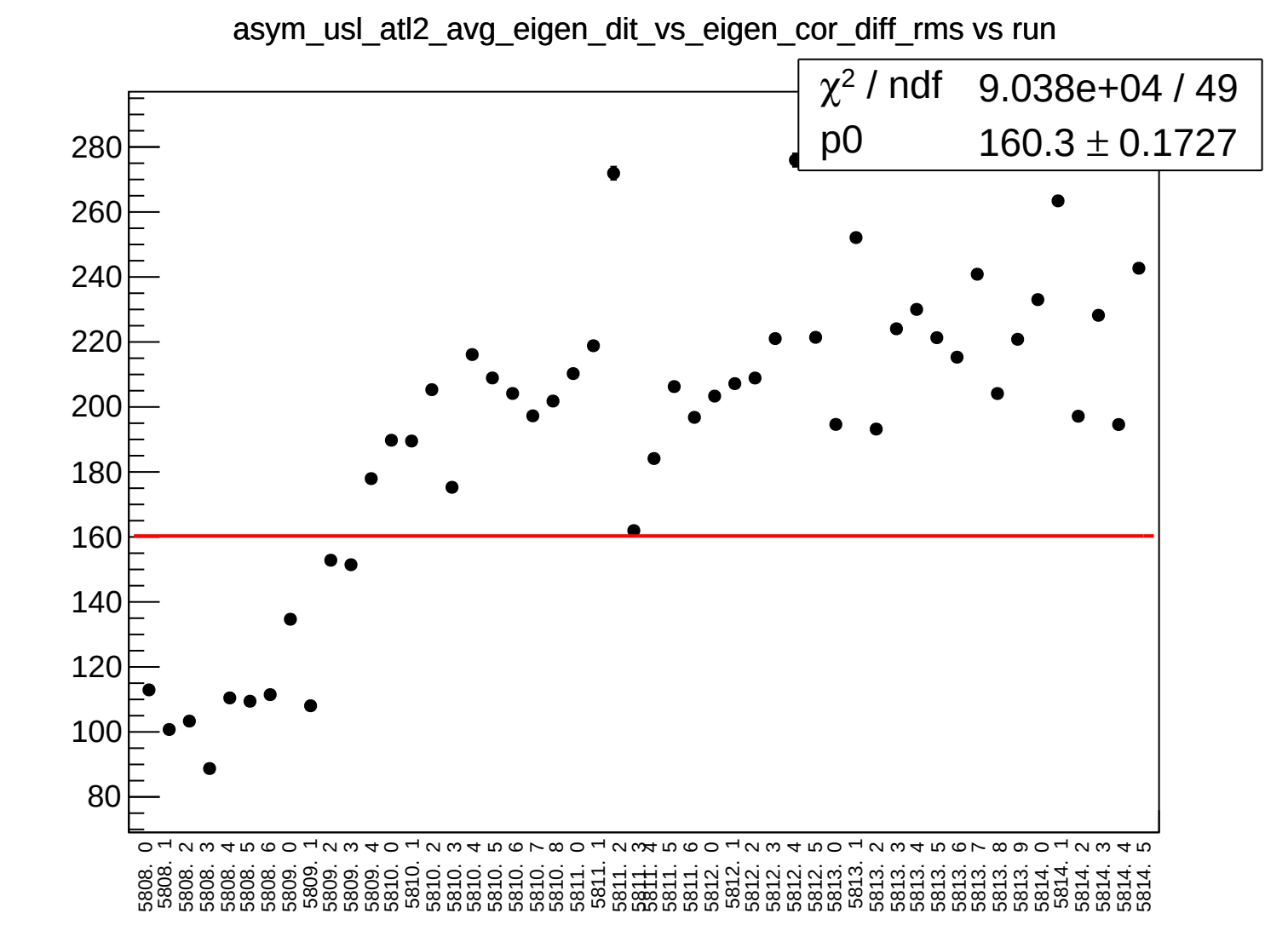
5814. 5


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.26 / 49
p0 0.5311 ± 0.2442
pull
Entries 50
Mean 63.14
Std Dev 0
pull1D
Entries 50
Mean 0.04443
Std Dev 1.069


asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.038e+04 / 49
p0 160.3 ± 0.1727
280
260
240
220
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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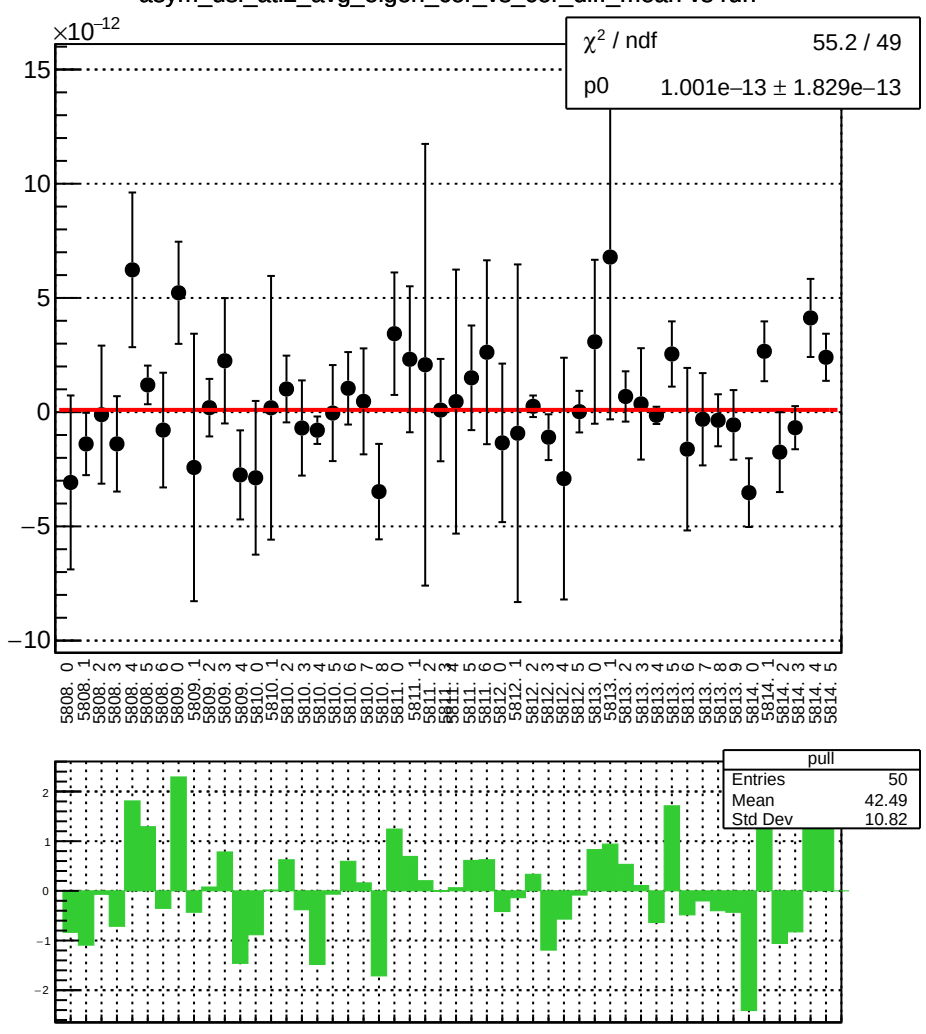
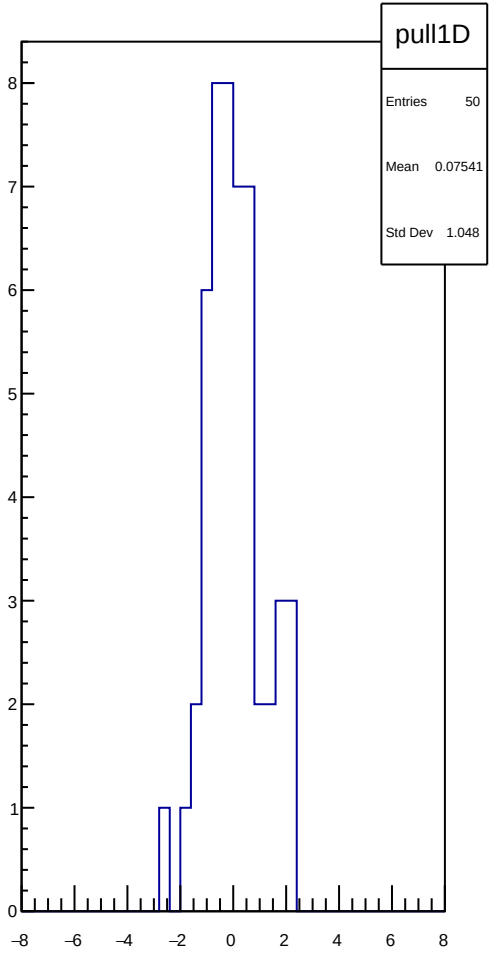
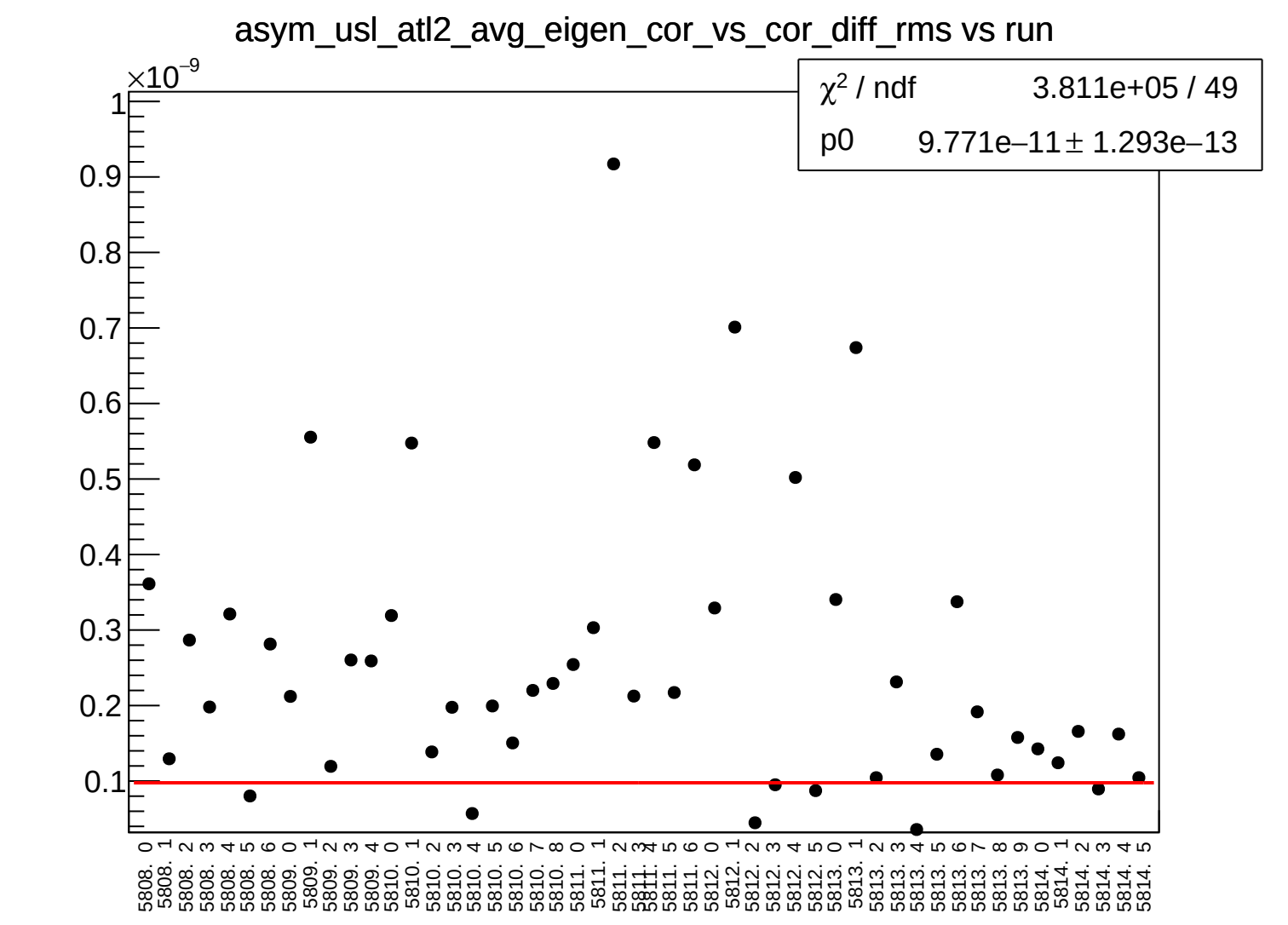
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 55.2 / 49
p0 1.001e−13 ± 1.829e−13
pull
Entries 50
Mean 42.49
Std Dev 10.82


pull1D
Entries 50
Mean 0.07541
Std Dev 1.048


asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.811e+05 / 49
p0 9.771e−11 ± 1.293e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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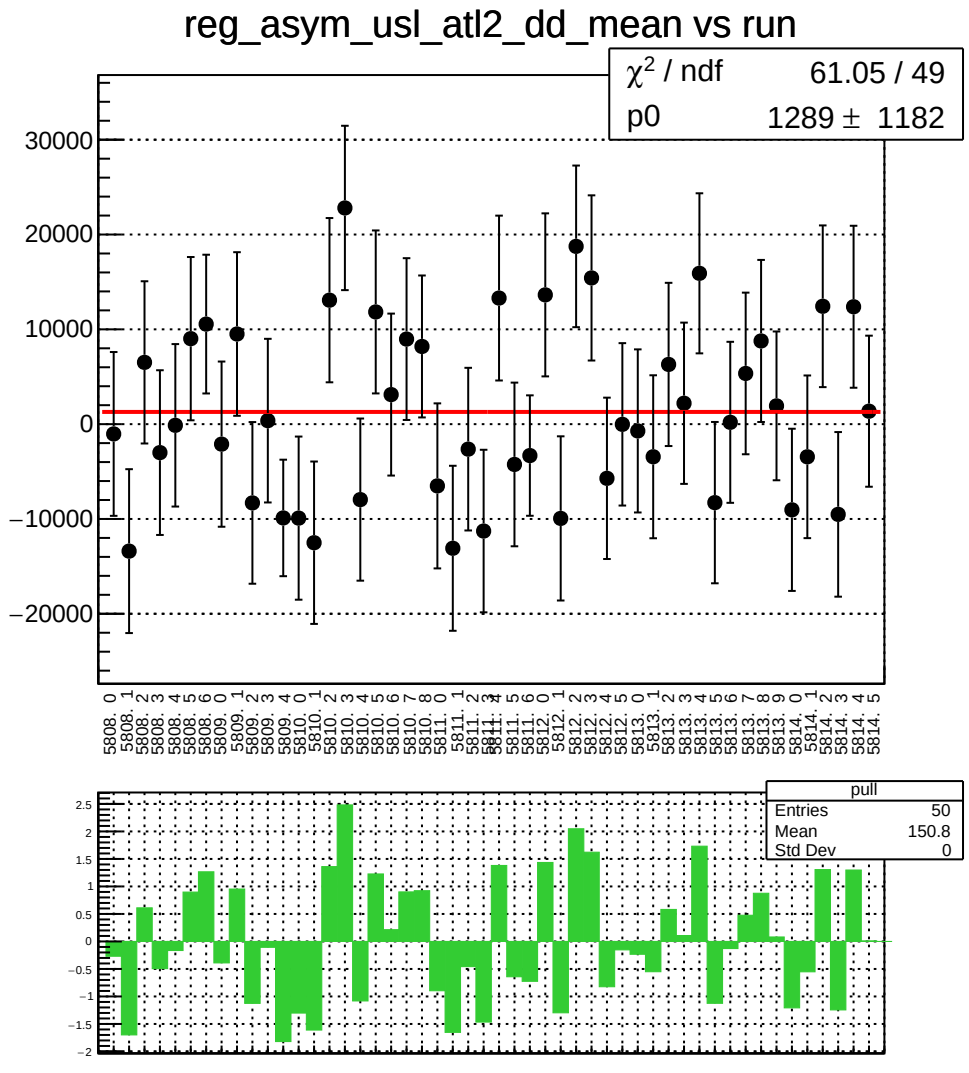
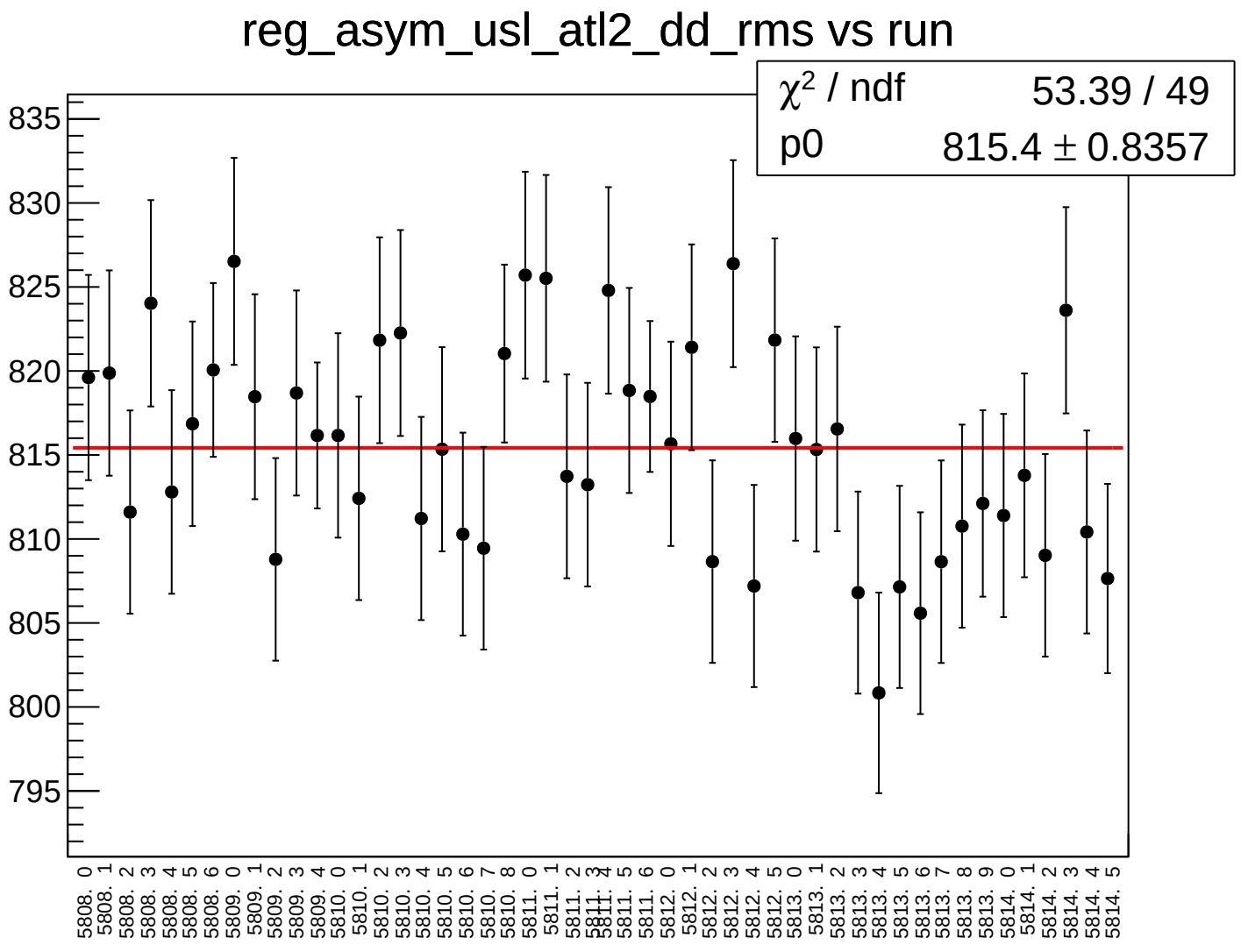
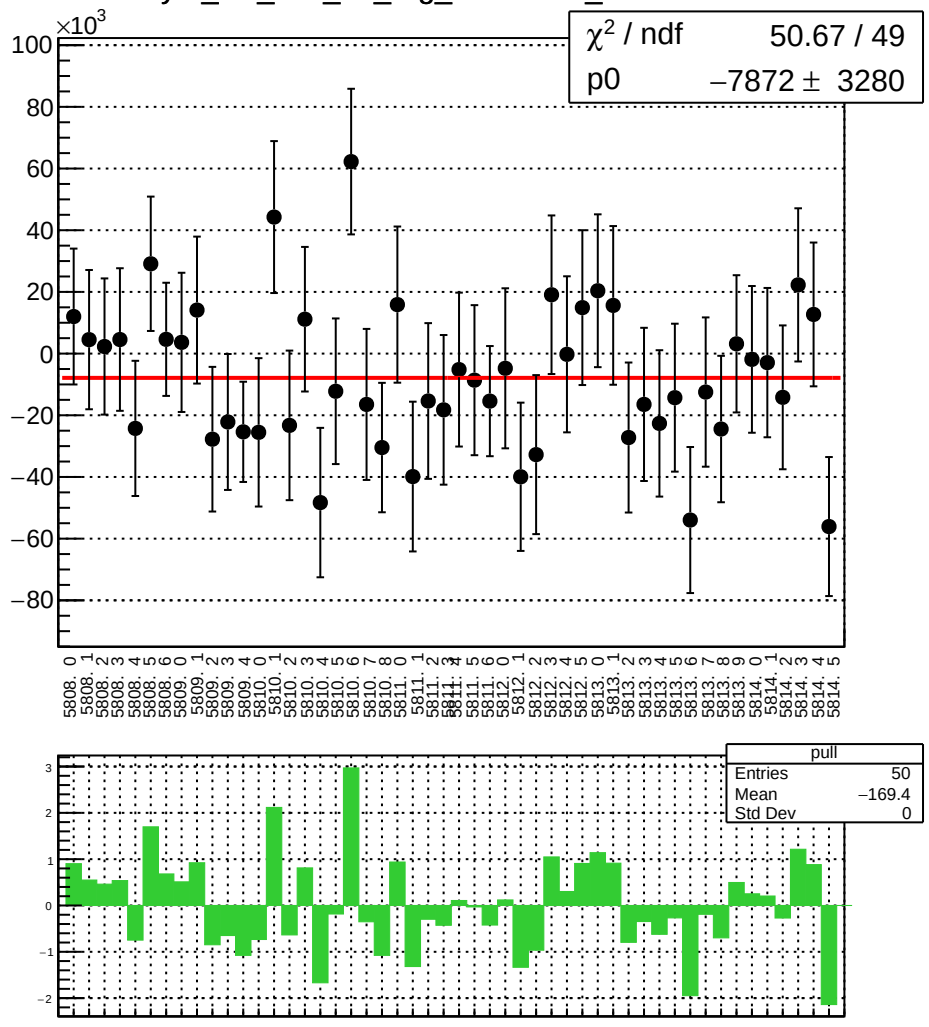
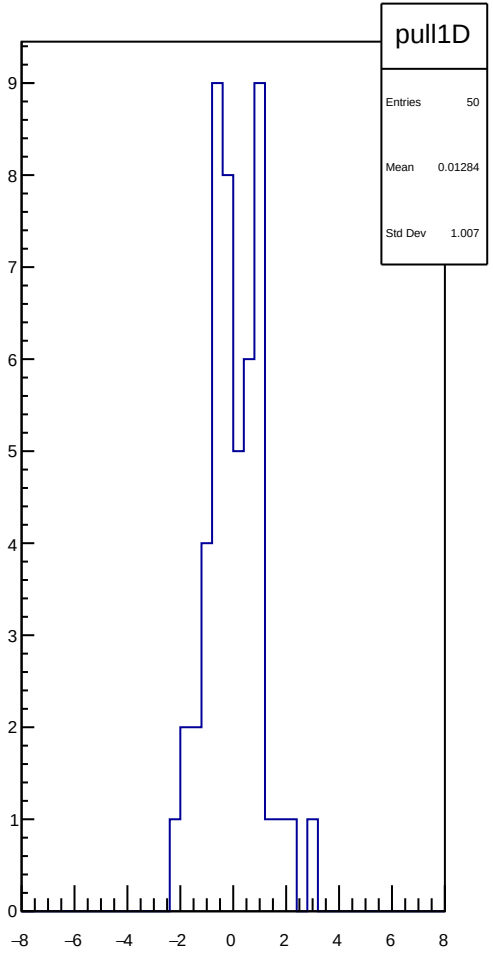
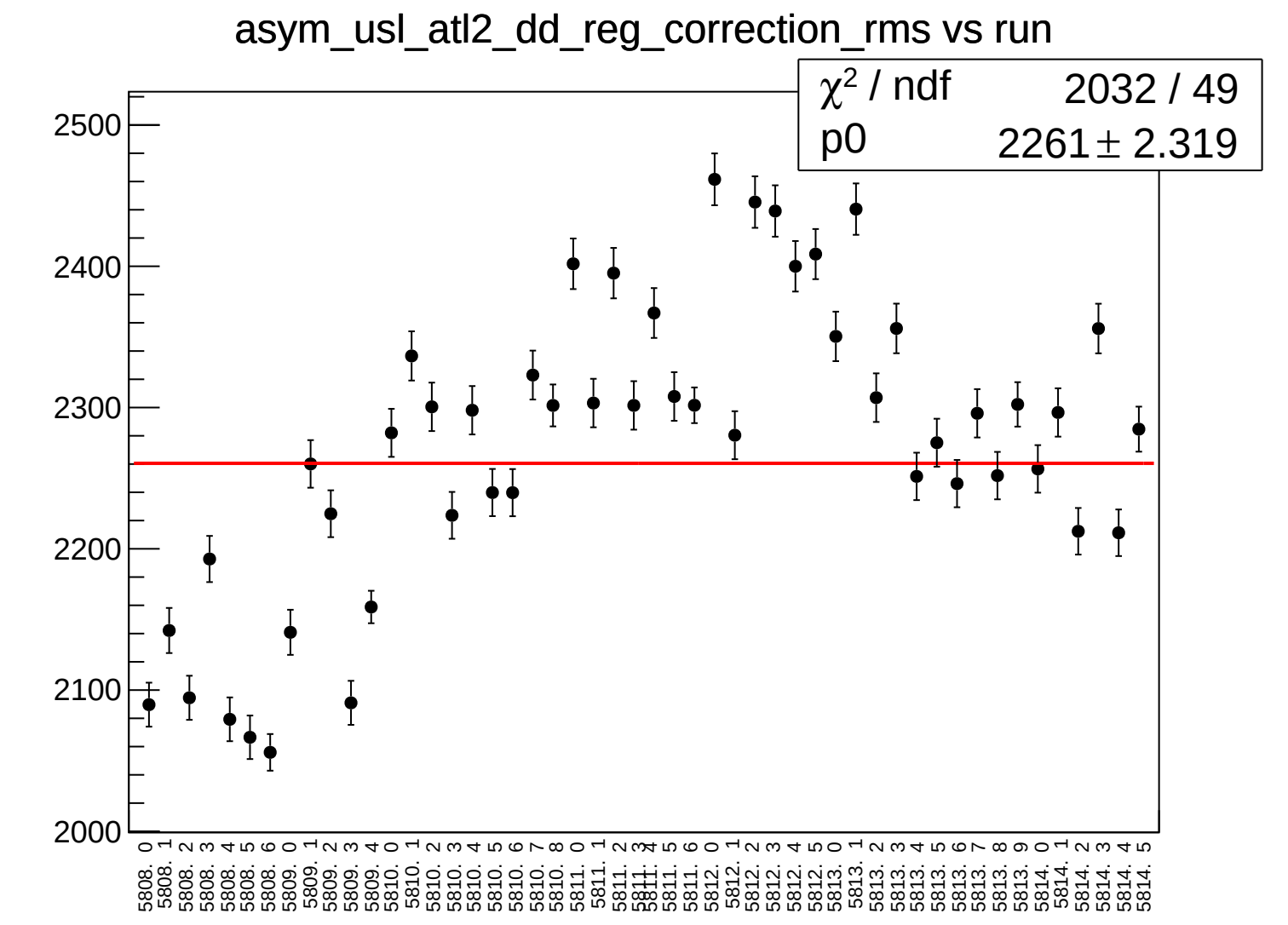
5814. 4
5814. 5

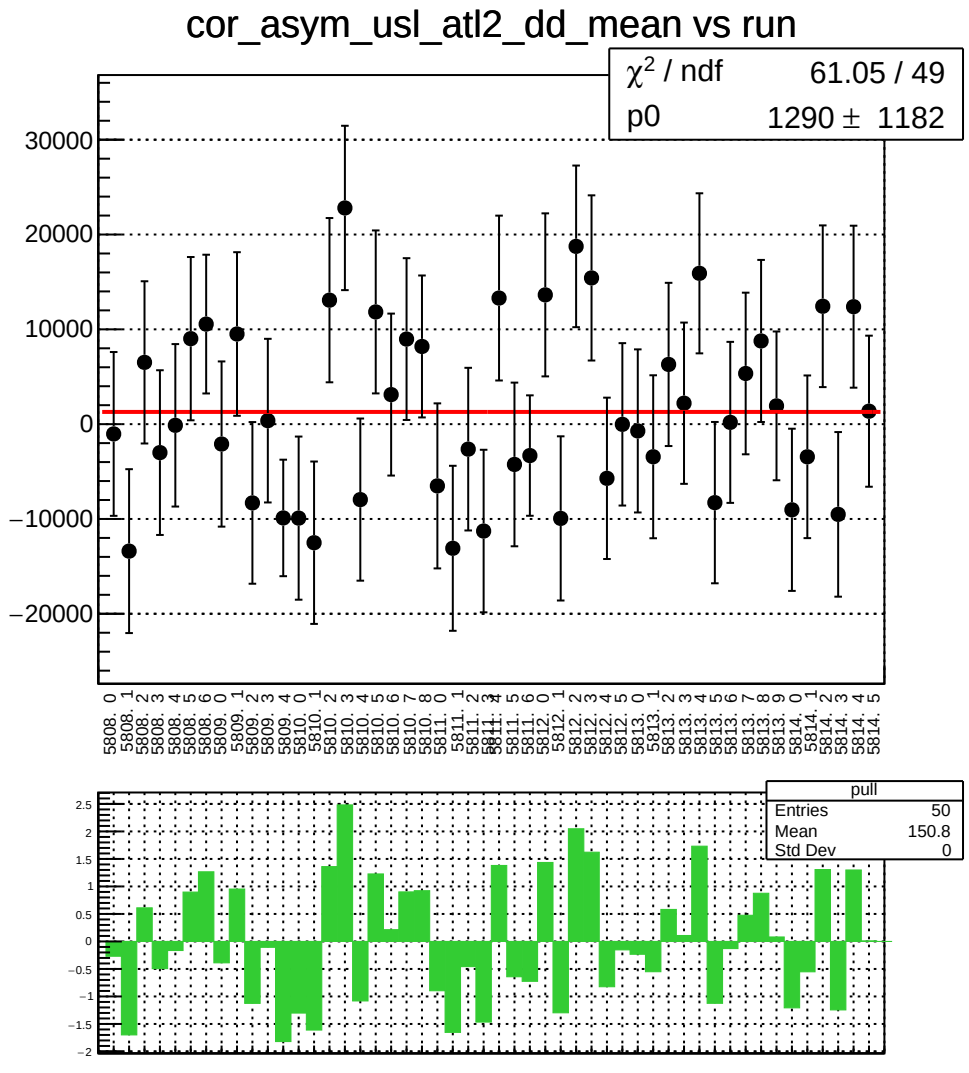

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.05 / 49
p0 1289 ± 1182
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 150.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01158
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

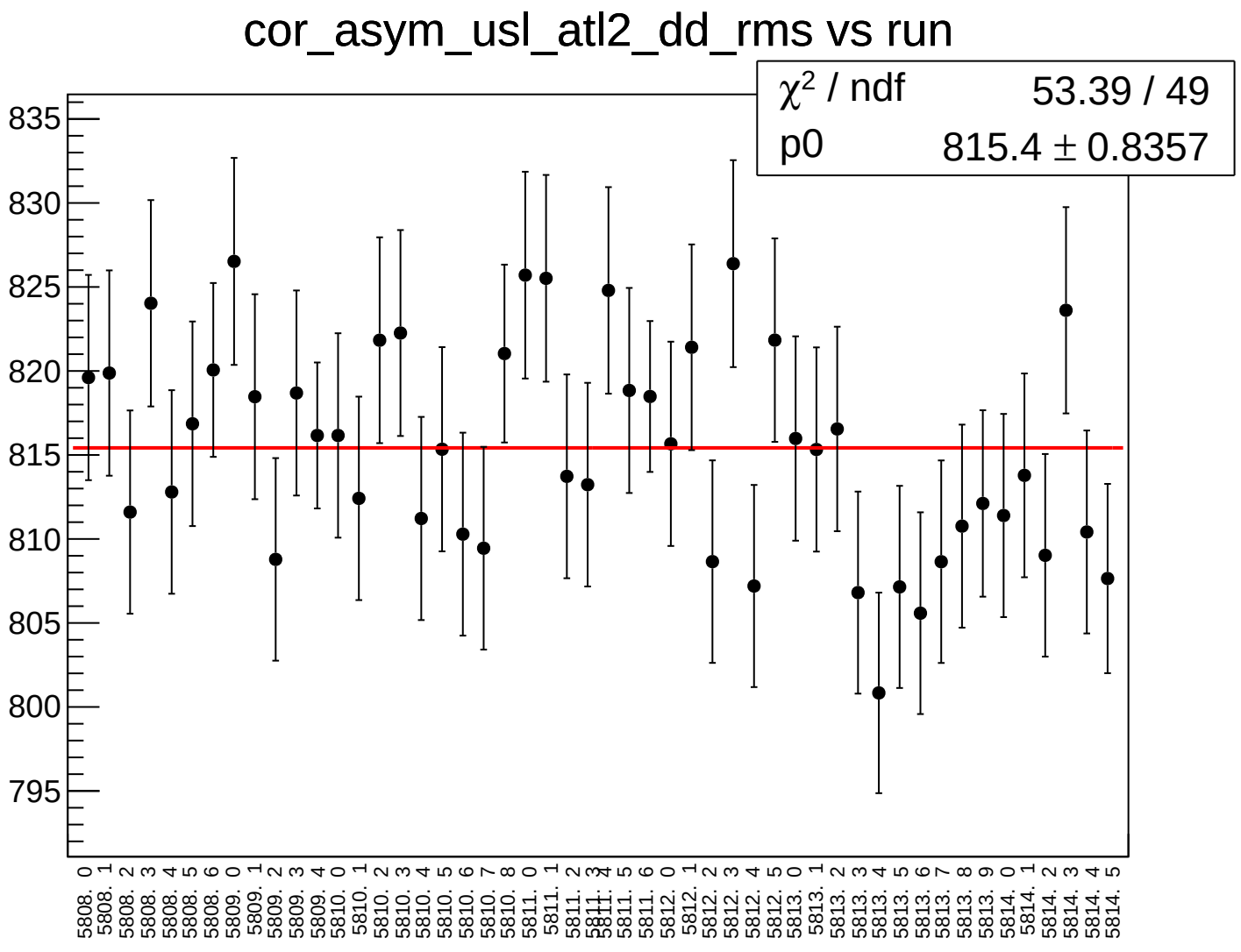

reg_asym_usl_atl2_dd_rms vs run
χ² / ndf 53.39 / 49
p0 815.4 ± 0.8357
835
830
825
820
815
810
805
800
795
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

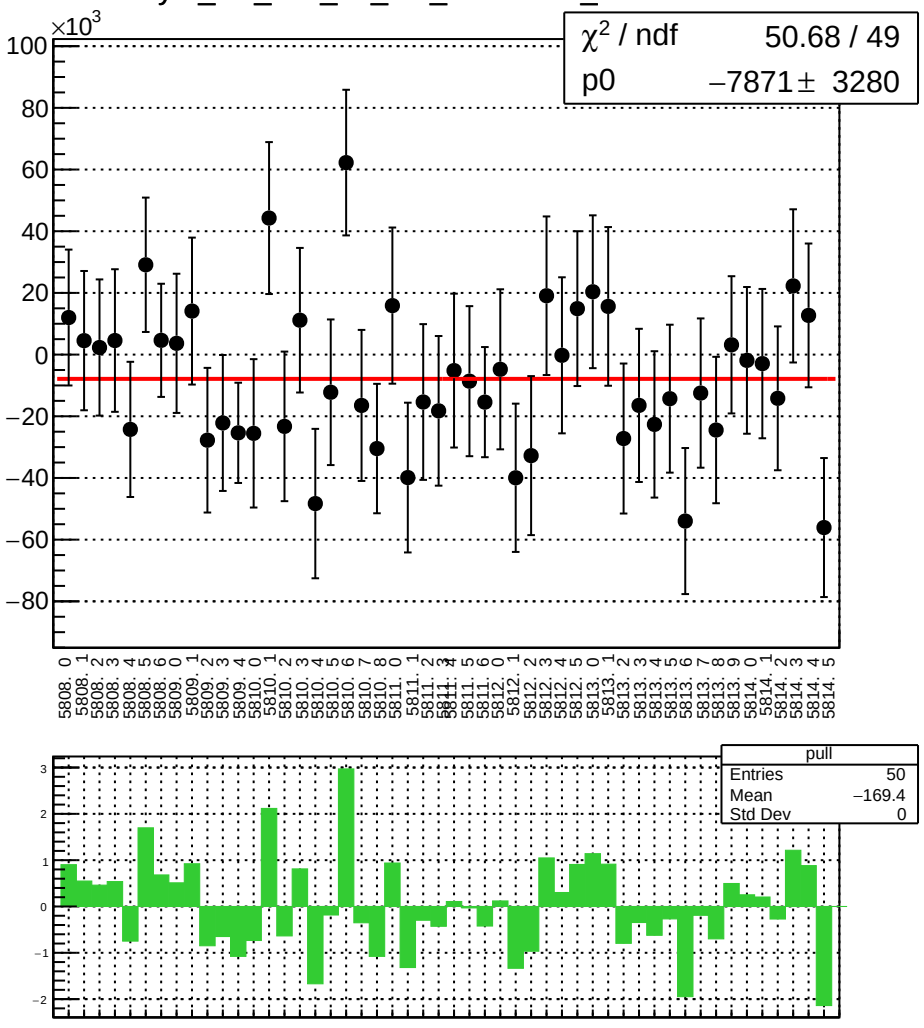

asym_usl_atl2_dd_reg_correction_mean vs run
χ² / ndf 50.67 / 49
p0 −7872 ± 3280
pull
Entries 50
Mean −169.4
Std Dev 0

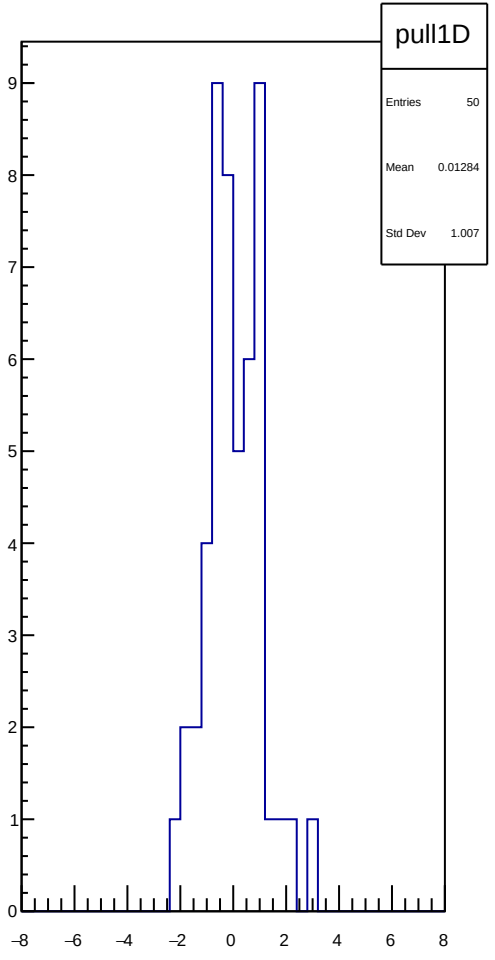

pull1D
Entries 50
Mean 0.01284
Std Dev 1.007

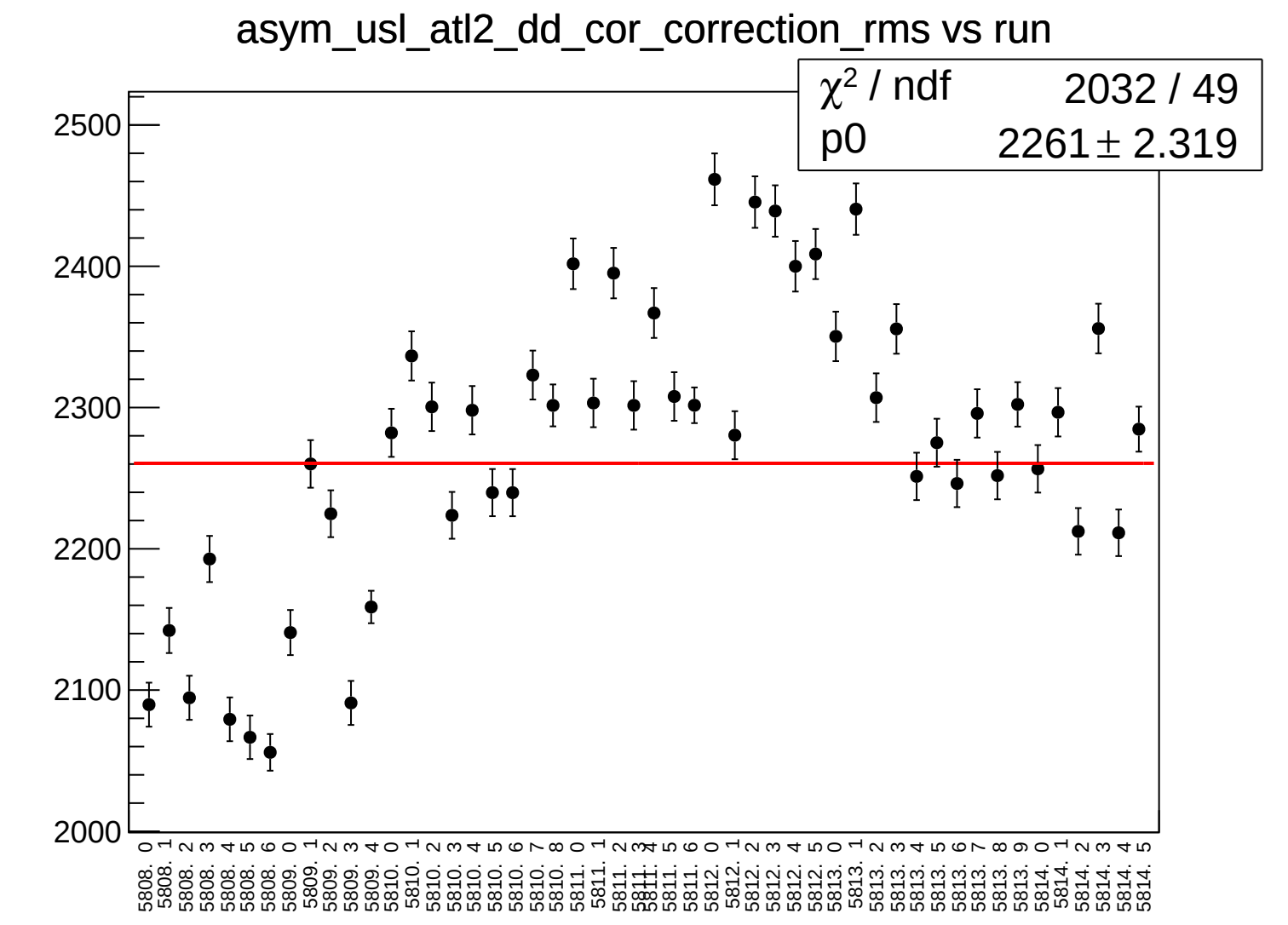

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 2032 / 49
p0 2261 ± 2.319
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.05 / 49
p0 1290 ± 1182
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 150.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01159
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 53.39 / 49
p0 815.4 ± 0.8357
835
830
825
820
815
810
805
800
795
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_dd_cor_correction_mean vs run
χ² / ndf 50.68 / 49
p0 −7871 ± 3280
pull
Entries 50
Mean −169.4
Std Dev 0


pull1D
Entries 50
Mean 0.01284
Std Dev 1.007


asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 2032 / 49
p0 2261 ± 2.319
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
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5813. 5
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5813. 8
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5814. 2
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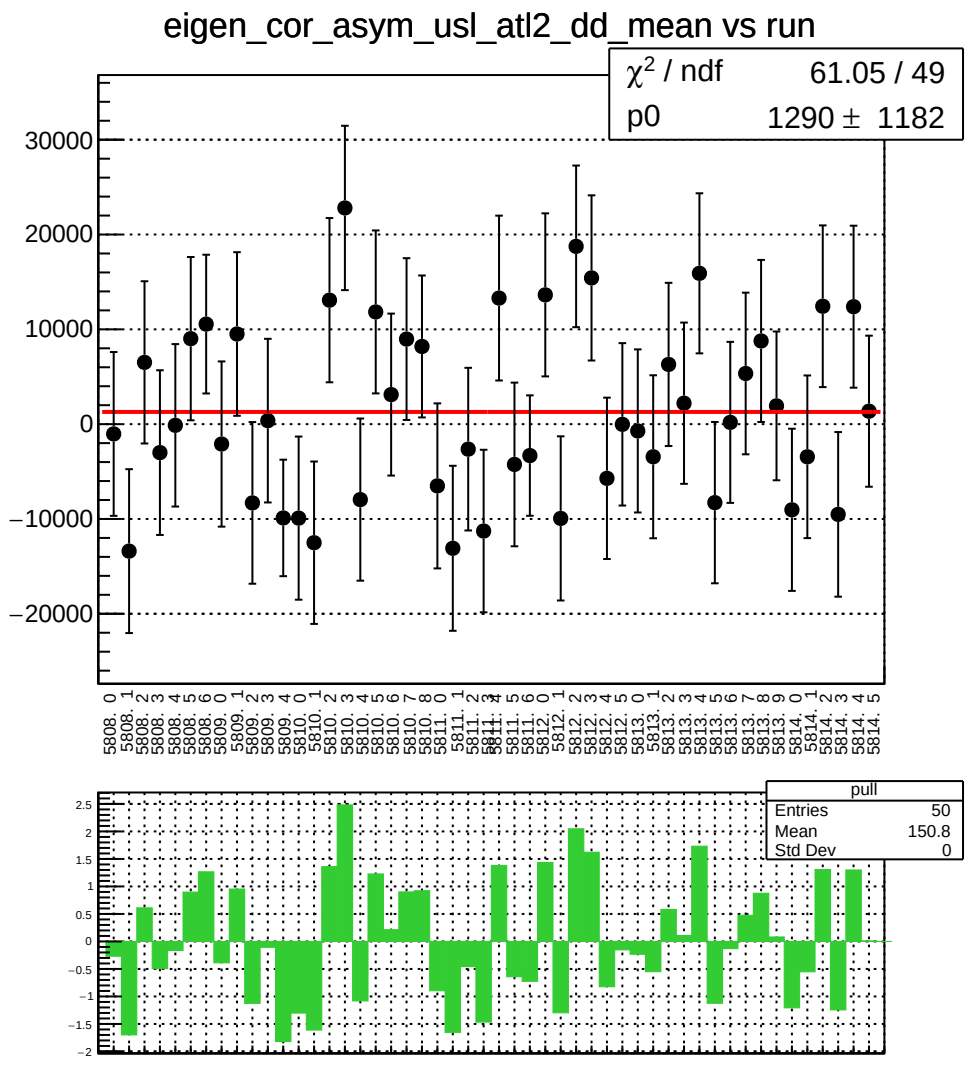
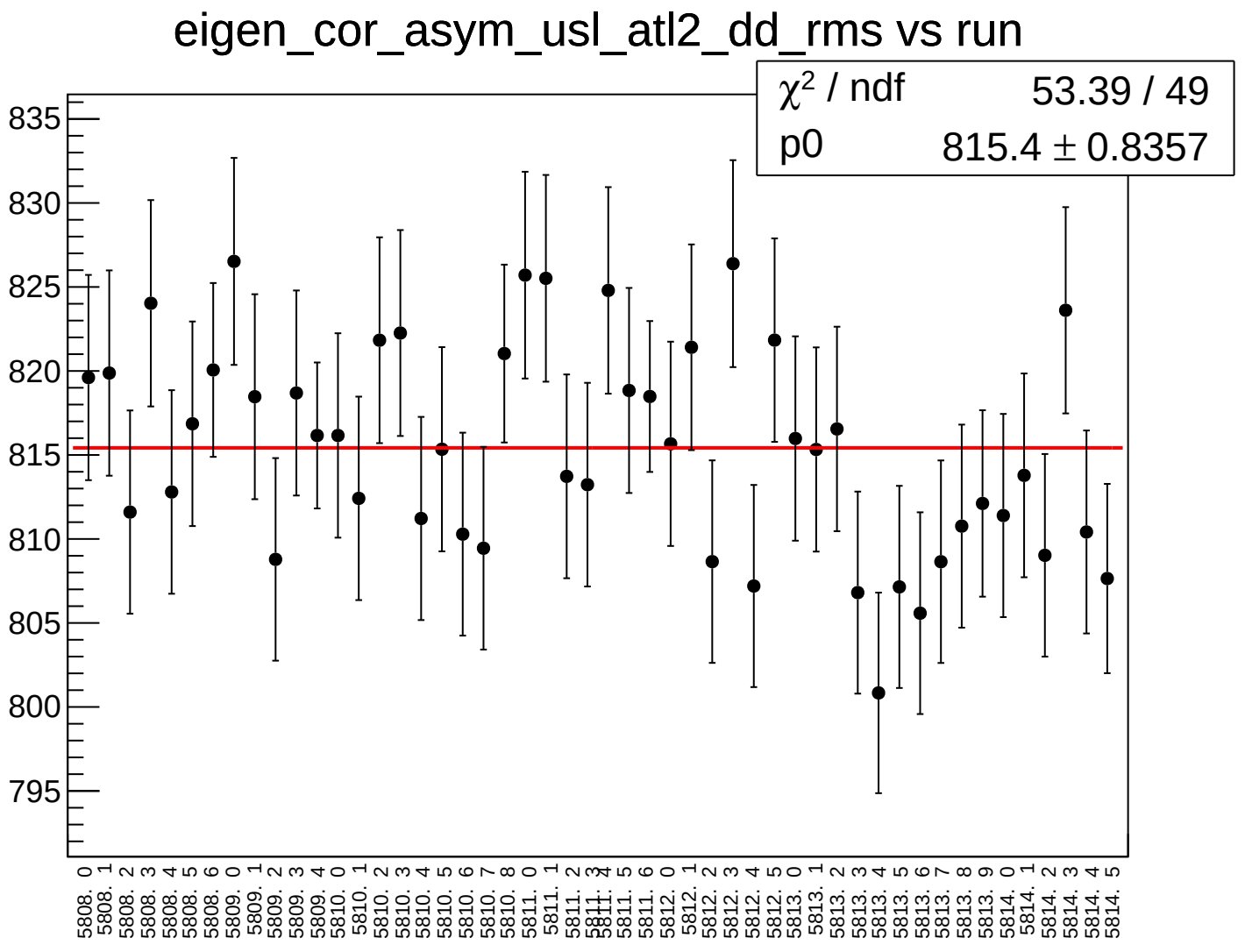
5814. 4
5814. 5


eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 61.05 / 49
p0 1290 ± 1182
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 150.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01159
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 53.39 / 49
p0 815.4 ± 0.8357
835
830
825
820
815
810
805
800
795
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 4
5813. 5
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5814. 0
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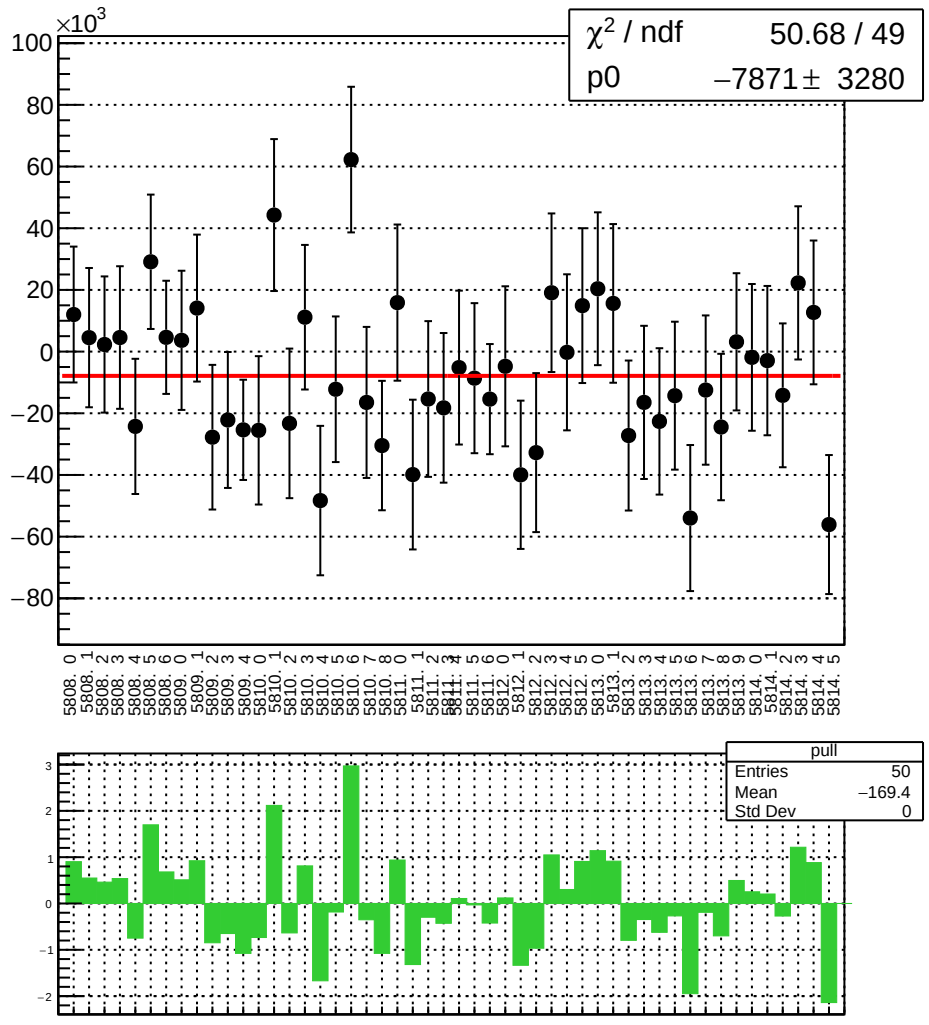
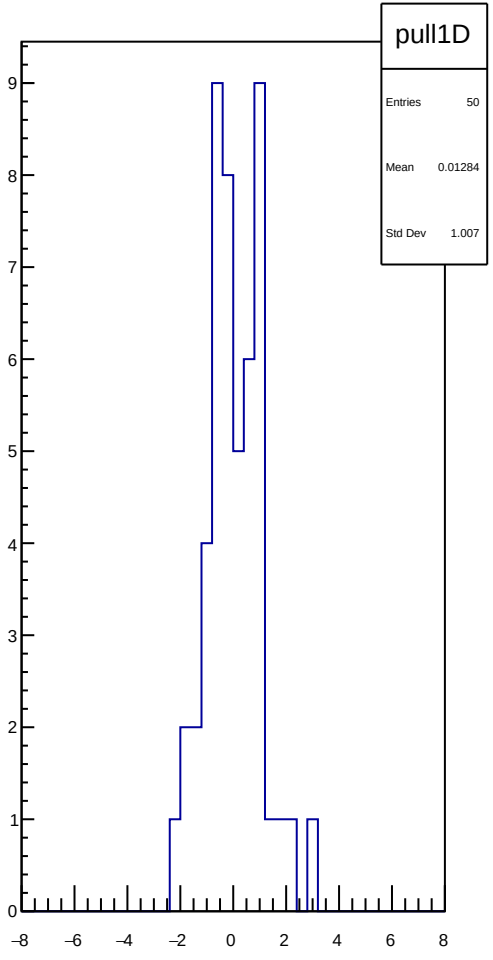
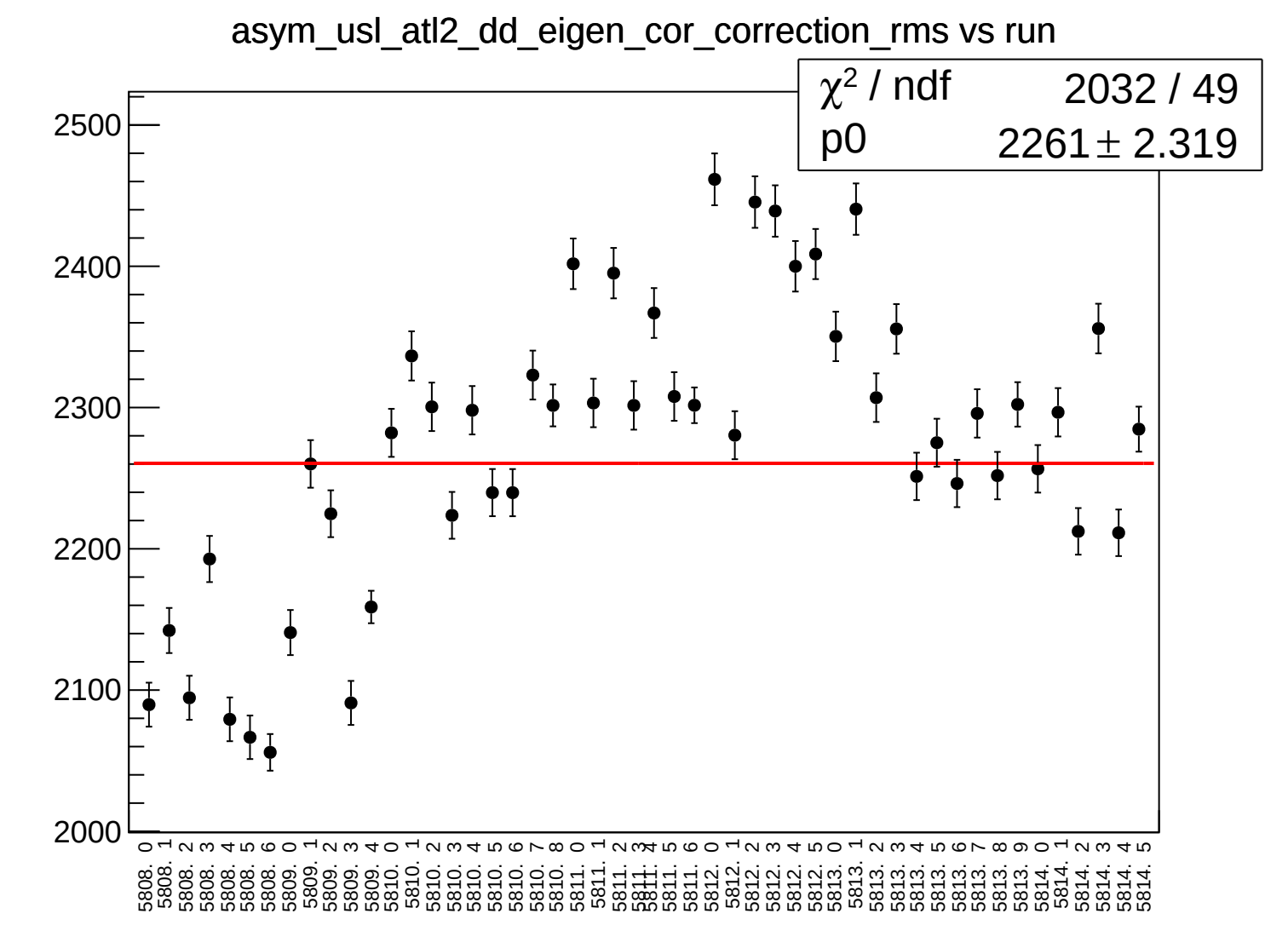
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 50.68 / 49
p0 −7871 ± 3280
pull
Entries 50
Mean −169.4
Std Dev 0


pull1D
Entries 50
Mean 0.01284
Std Dev 1.007


asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2032 / 49
p0 2261 ± 2.319
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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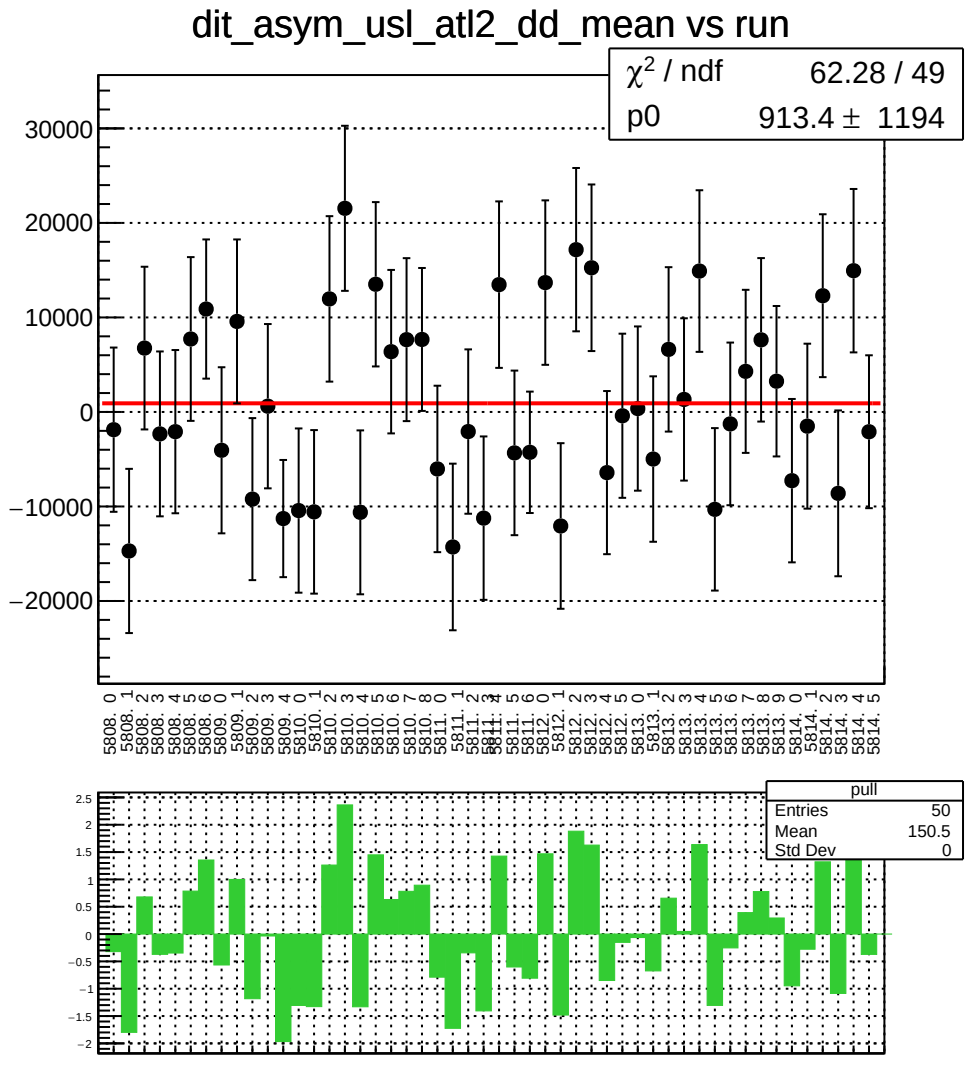
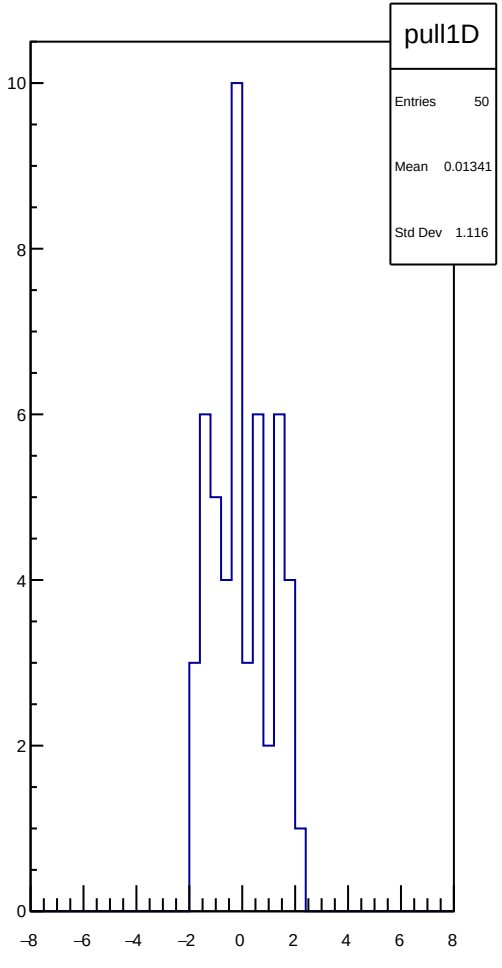
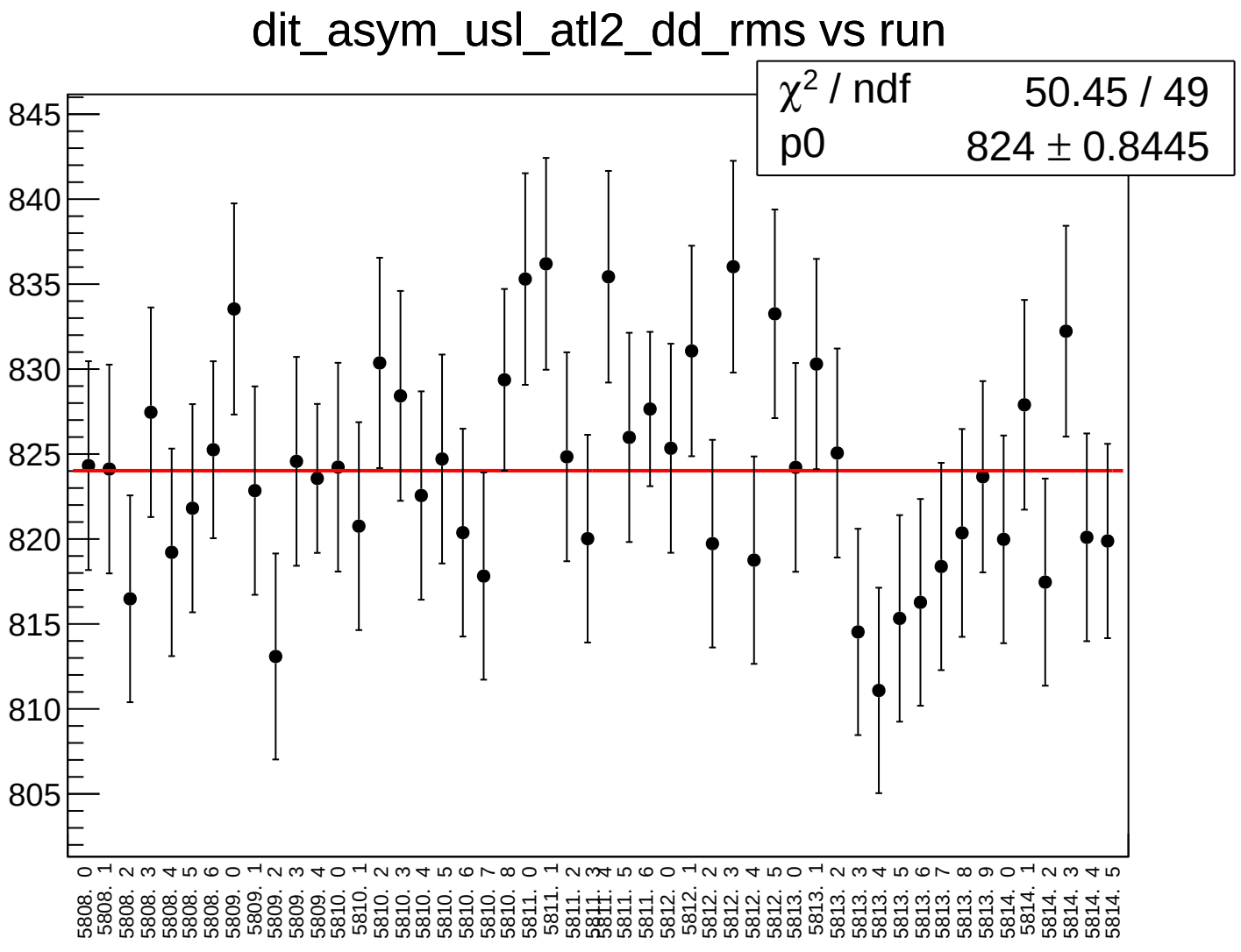
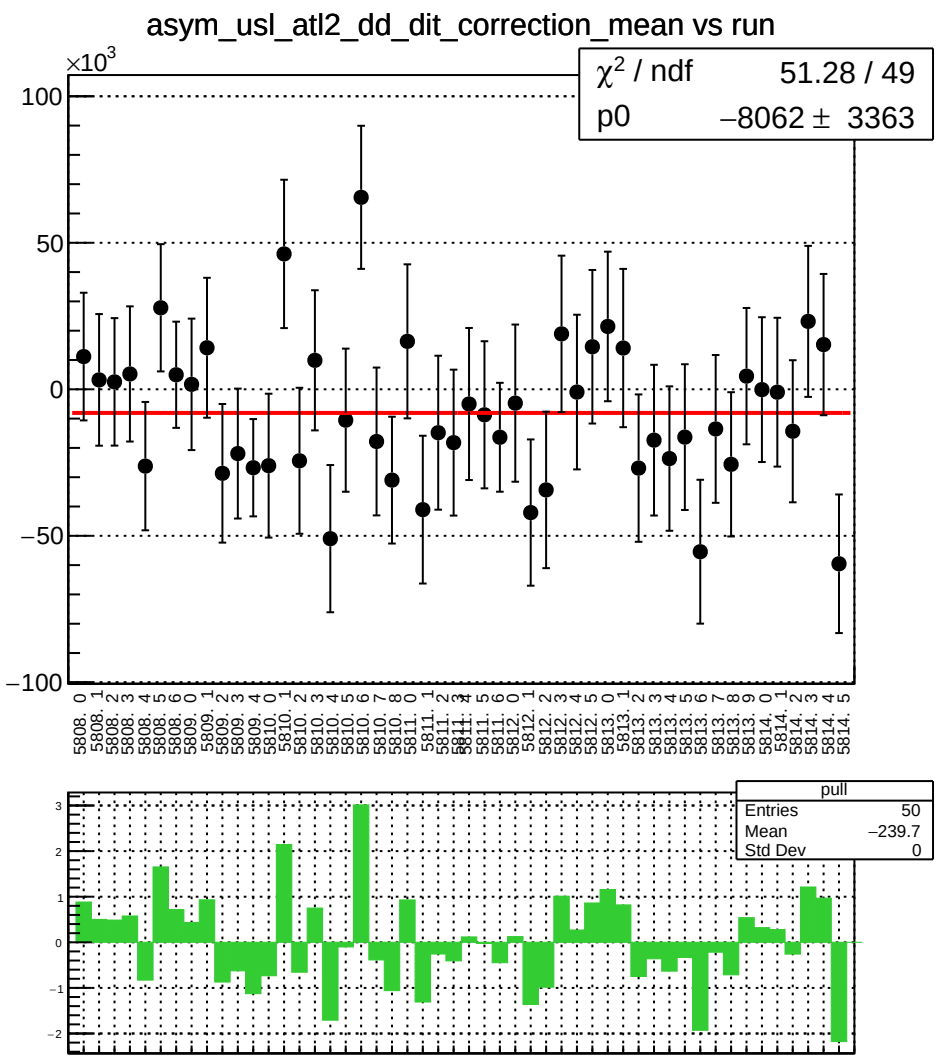
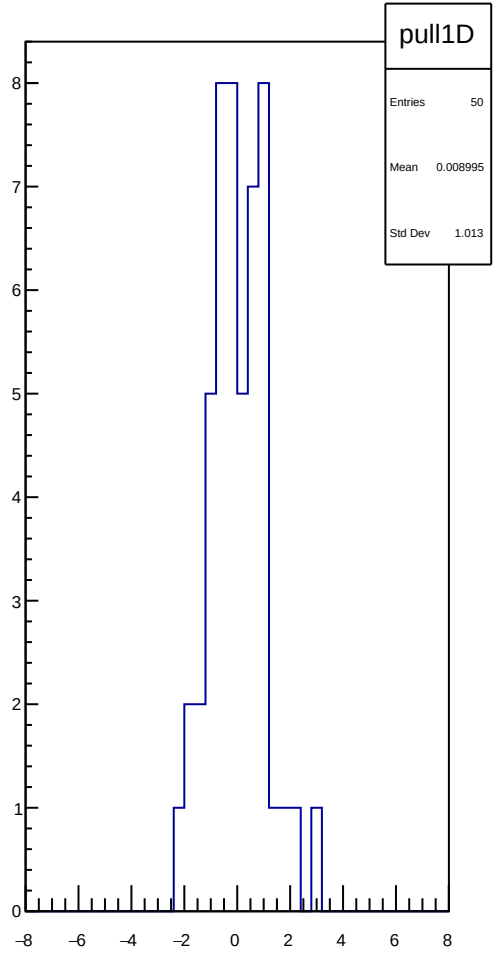
5814. 2
5814. 3
5814. 4
5814. 5

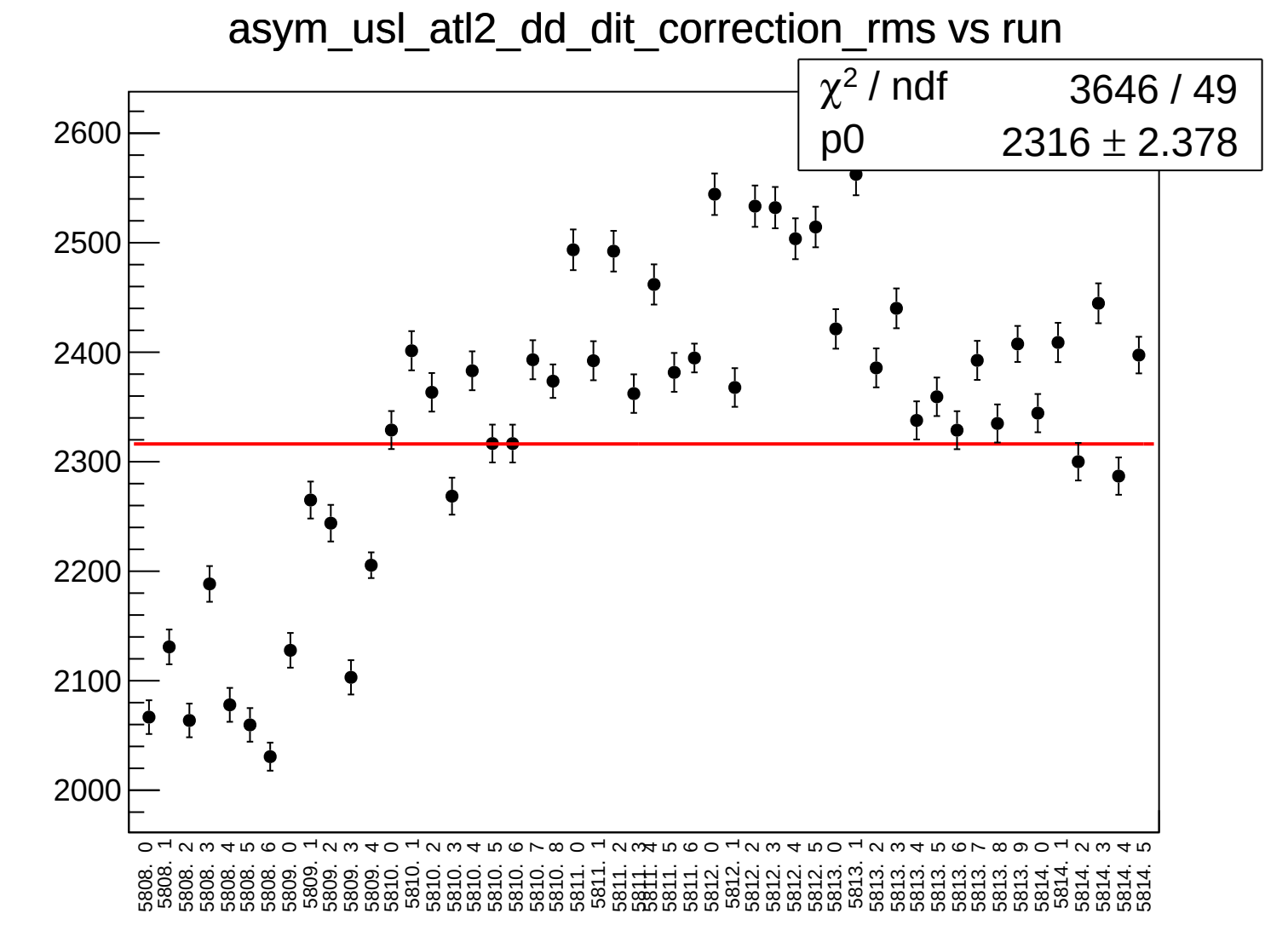

dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 62.28 / 49
p0 913.4 ± 1194
30000
20000
10000
0
−10000
−20000
pull
Entries 50
Mean 150.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

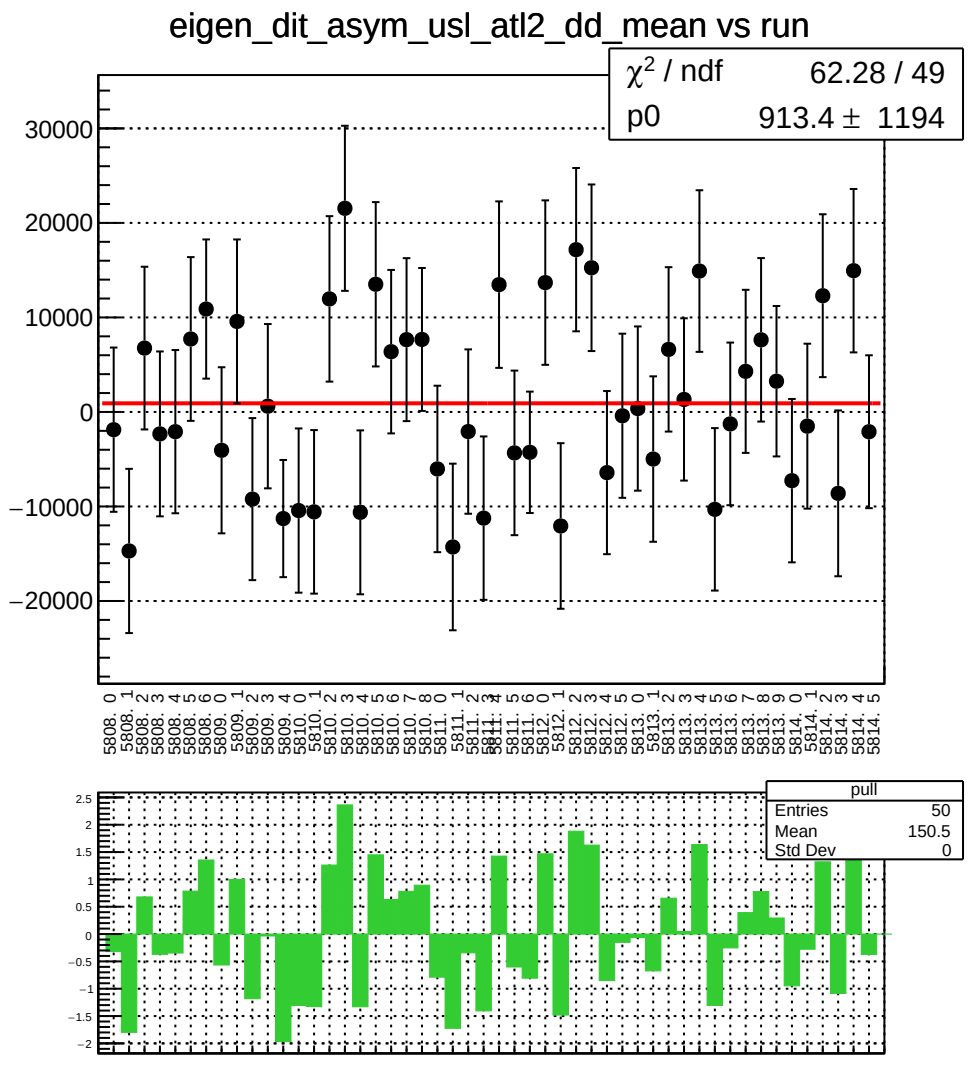

pull1D
Entries 50
Mean 0.01341
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

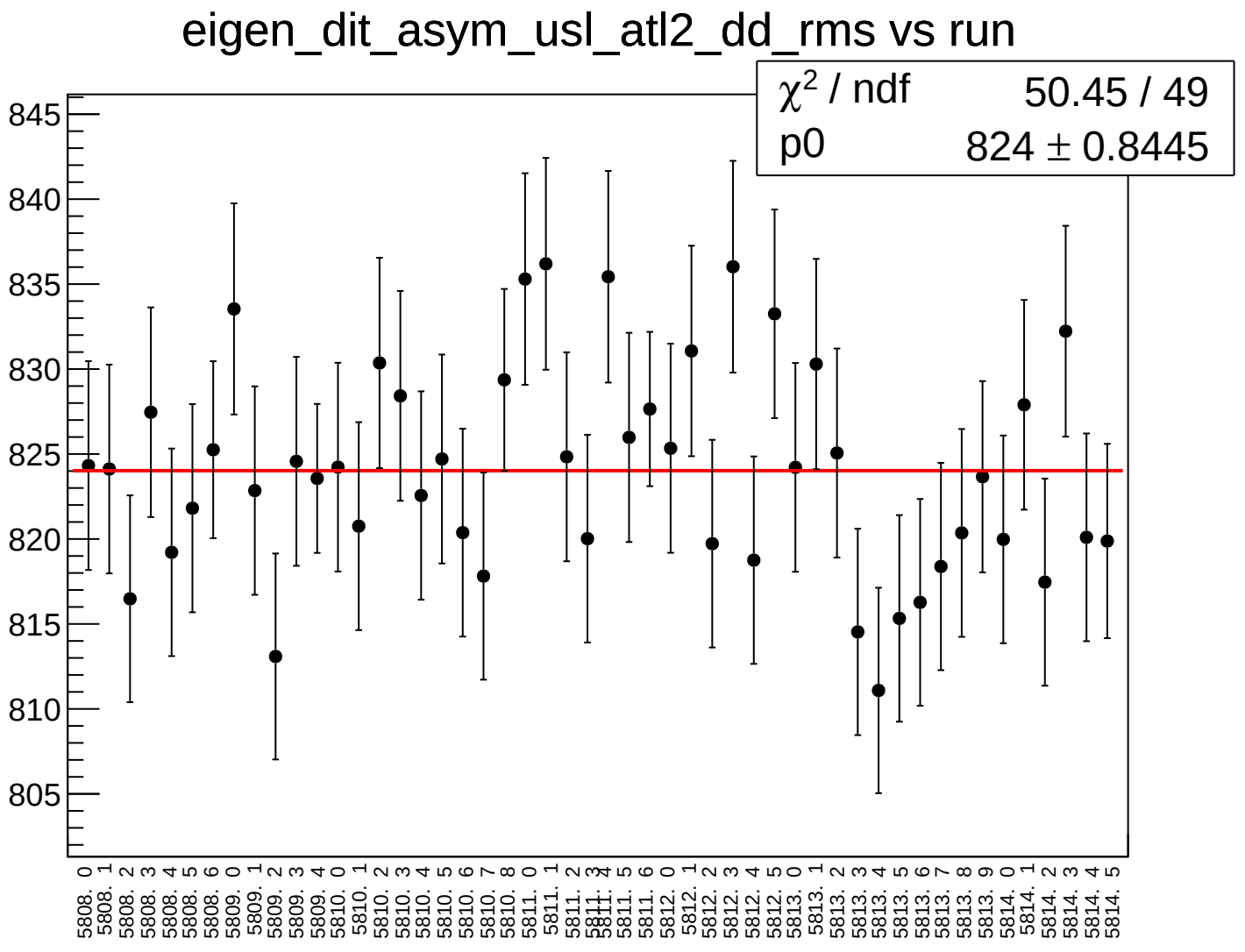

dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 50.45 / 49
p0 824 ± 0.8445
845
840
835
830
825
820
815
810
805
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

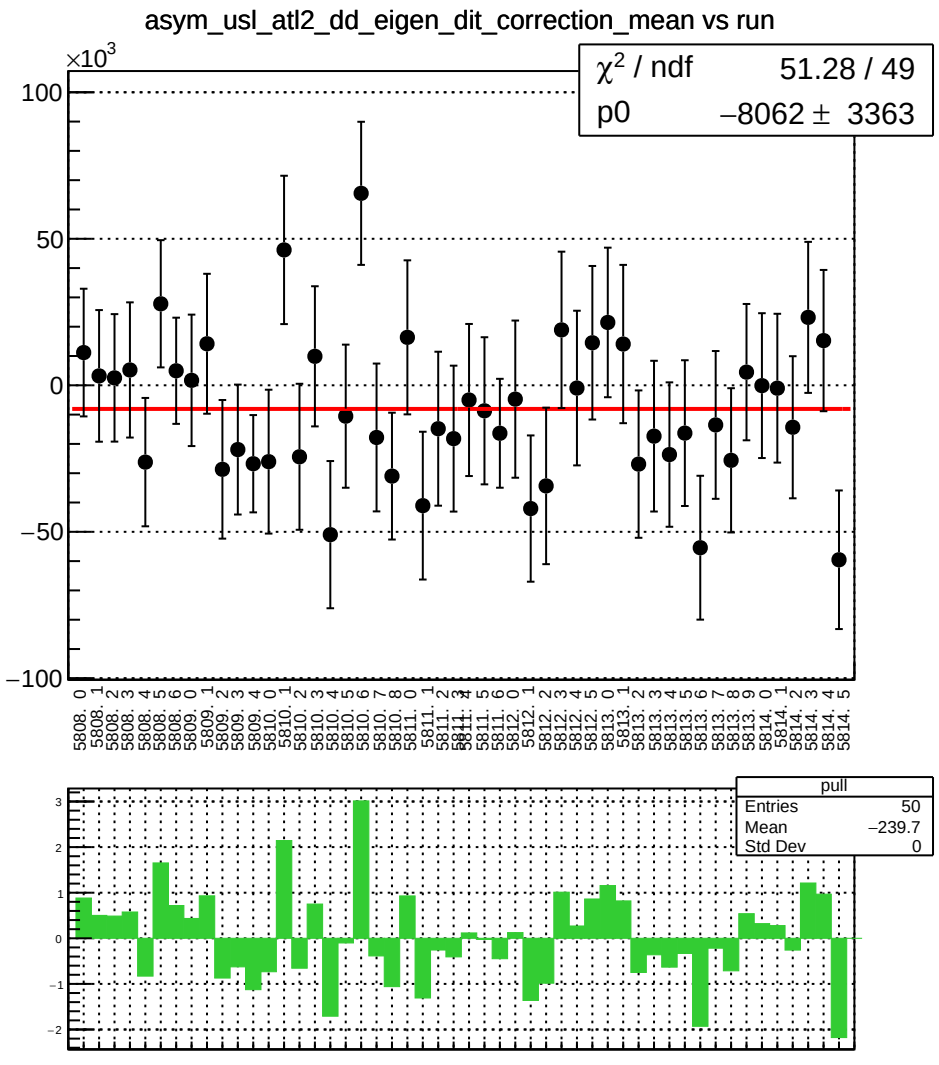

asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.28 / 49
p0 −8062 ± 3363
100
50
0
−50
−100
pull
Entries 50
Mean −239.7
Std Dev 0
3
2
1
0
−1
−2

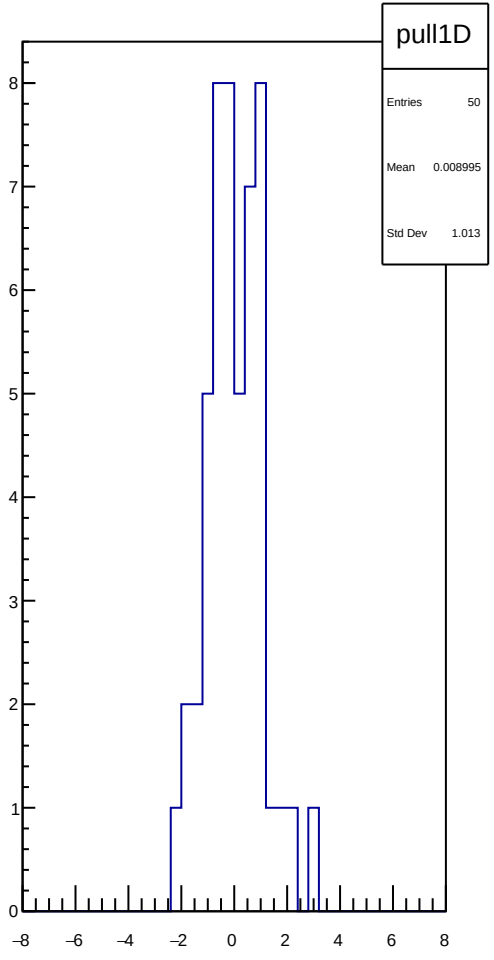

pull1D
Entries 50
Mean 0.008995
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

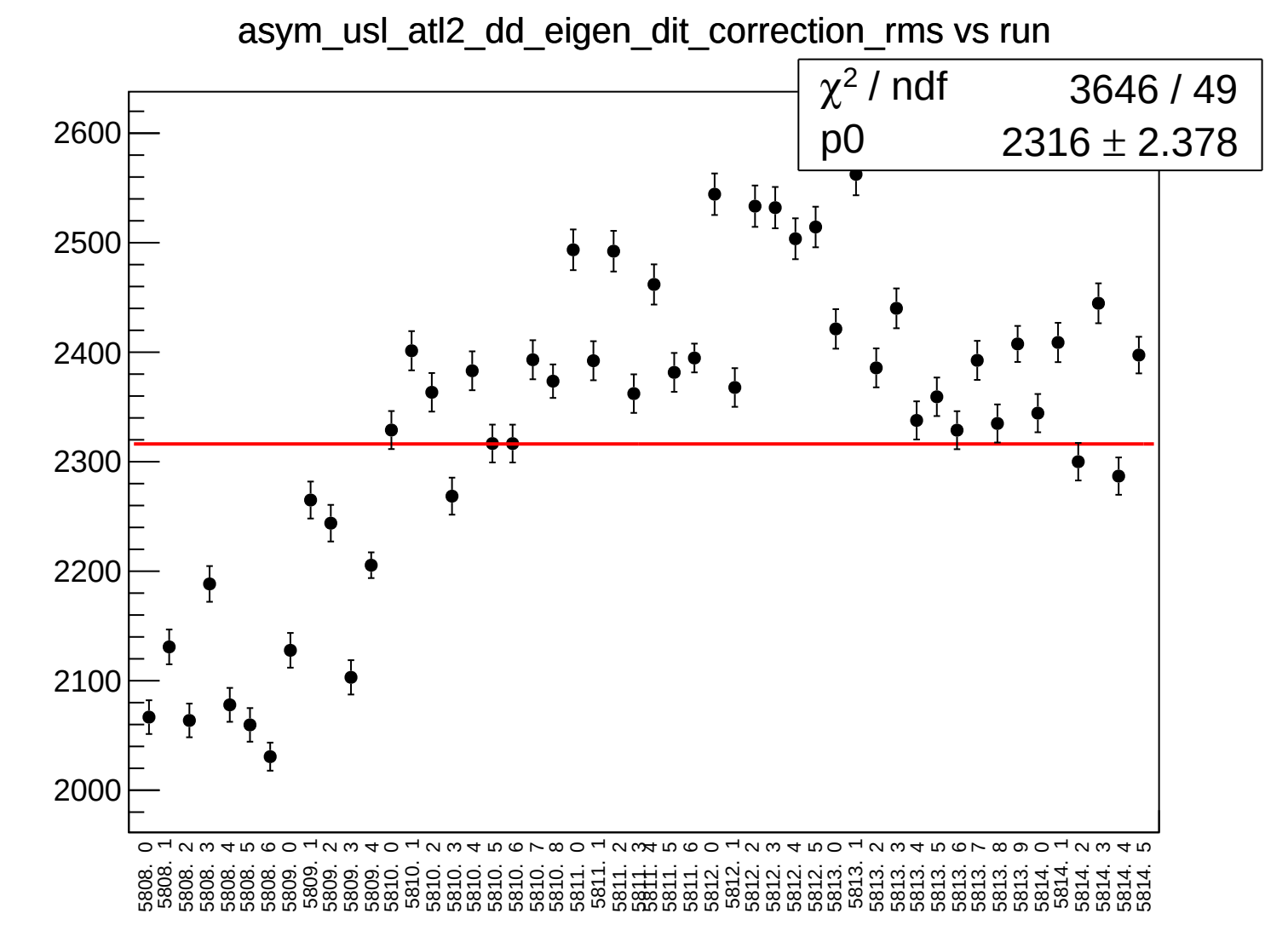

asym_usl_atl2_dd_dit_correction_rms vs run
χ² / ndf 3646 / 49
p0 2316 ± 2.378
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

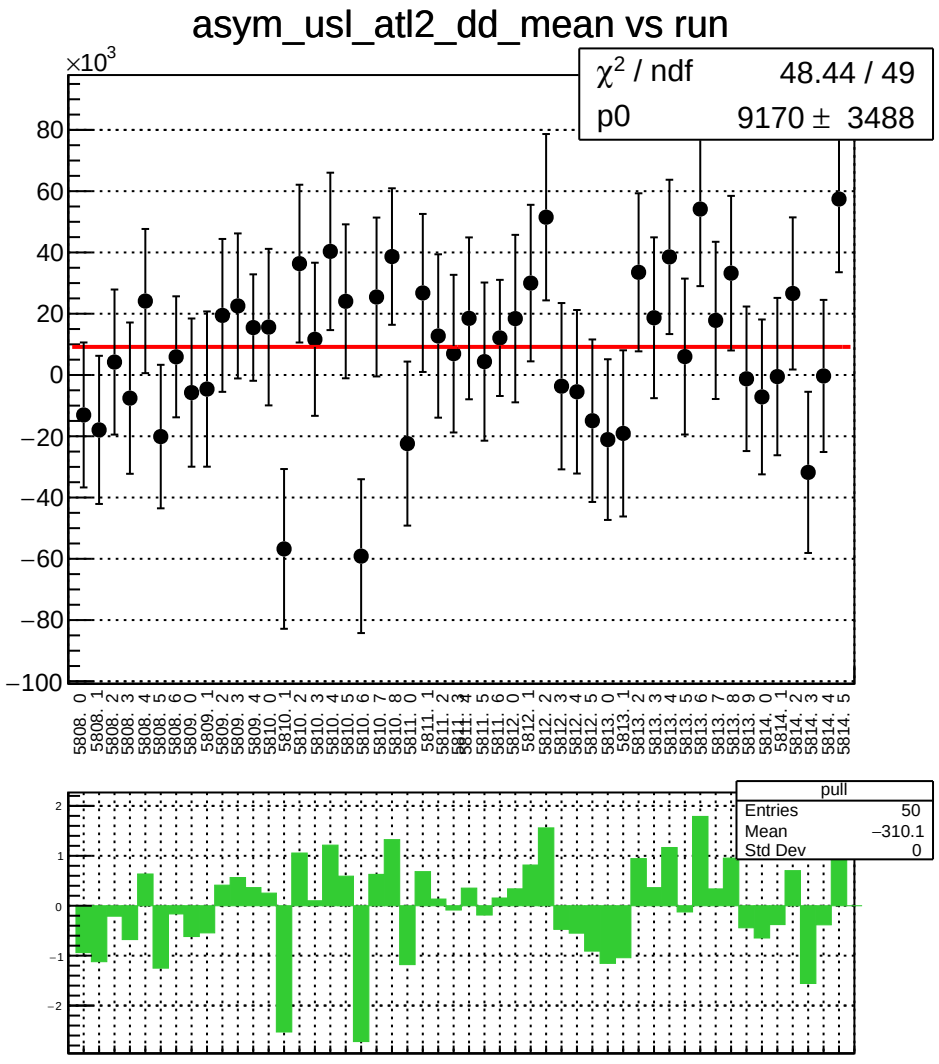

eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 62.28 / 49
p0 913.4 ± 1194
30000
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 150.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01341
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

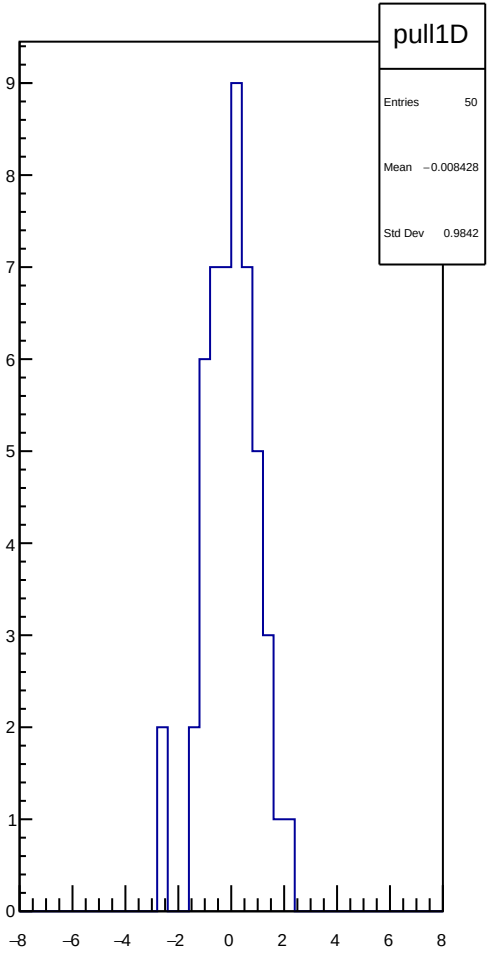

eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 50.45 / 49
p0 824 ± 0.8445
845
840
835
830
825
820
815
810
805
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

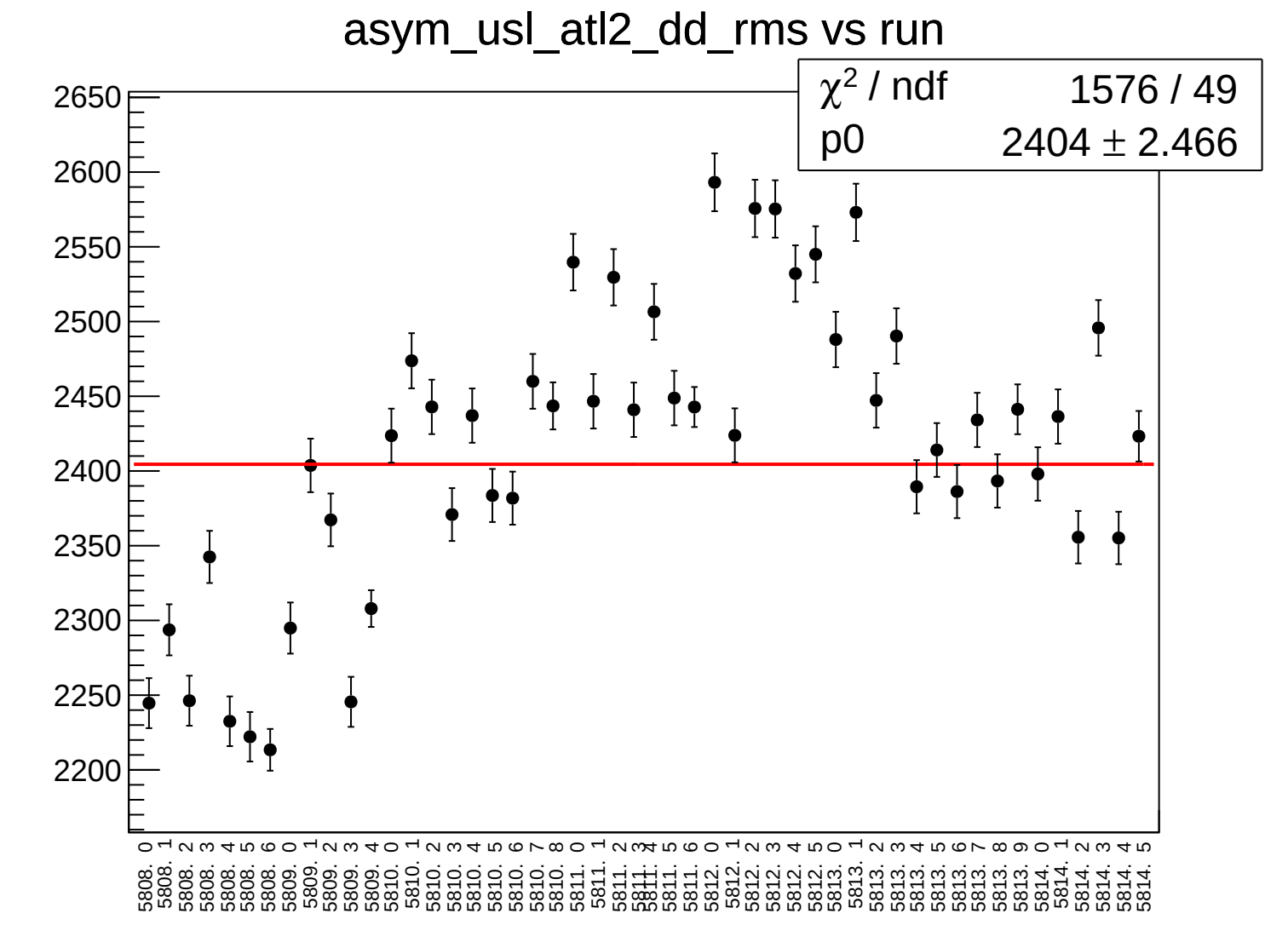

asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.28 / 49
p0 −8062 ± 3363
100
50
0
−50
−100
pull
Entries 50
Mean −239.7
Std Dev 0
3
2
1
0
−1
−2

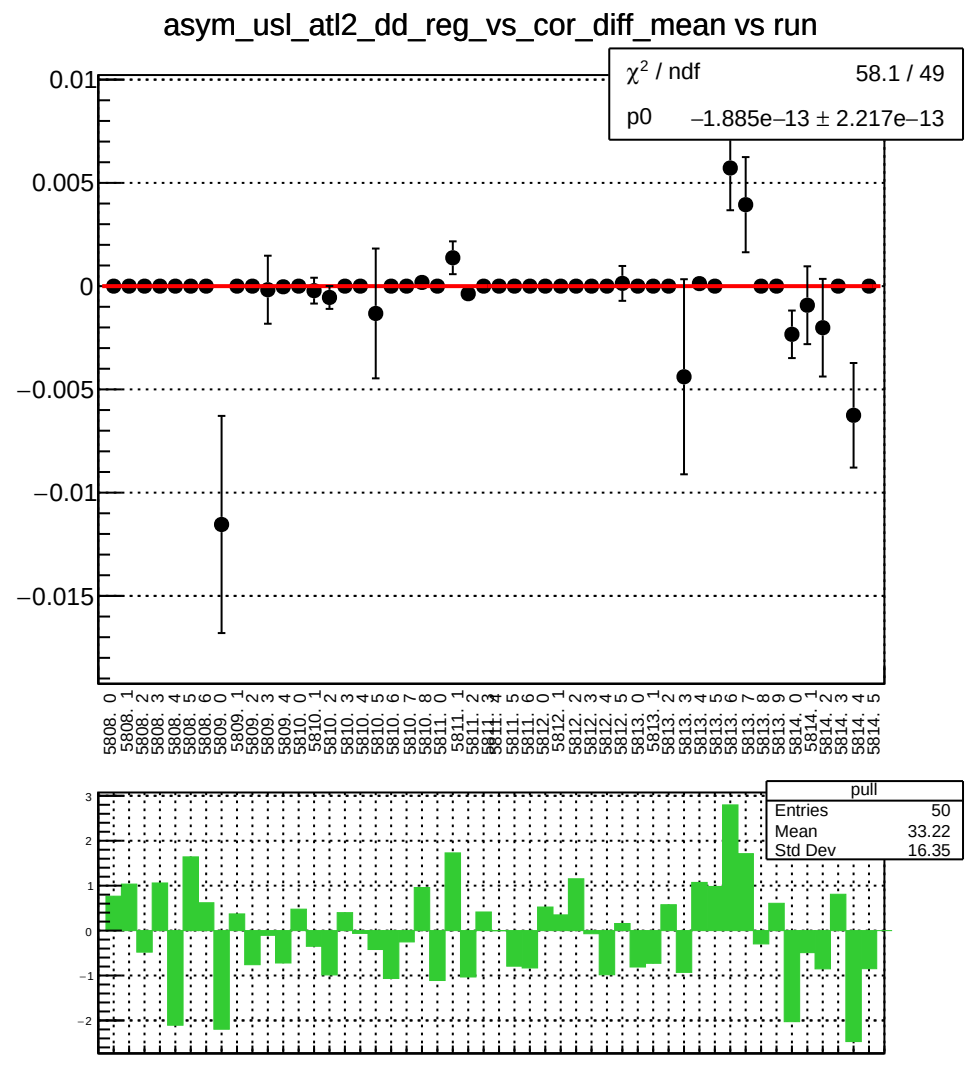

pull1D
Entries 50
Mean 0.008995
Std Dev 1.013
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

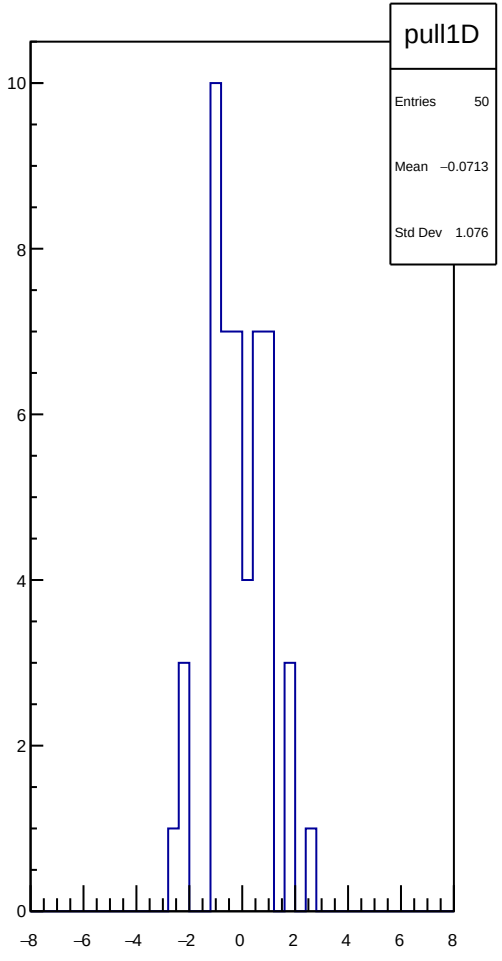

asym_usl_atl2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3646 / 49
p0 2316 ± 2.378
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

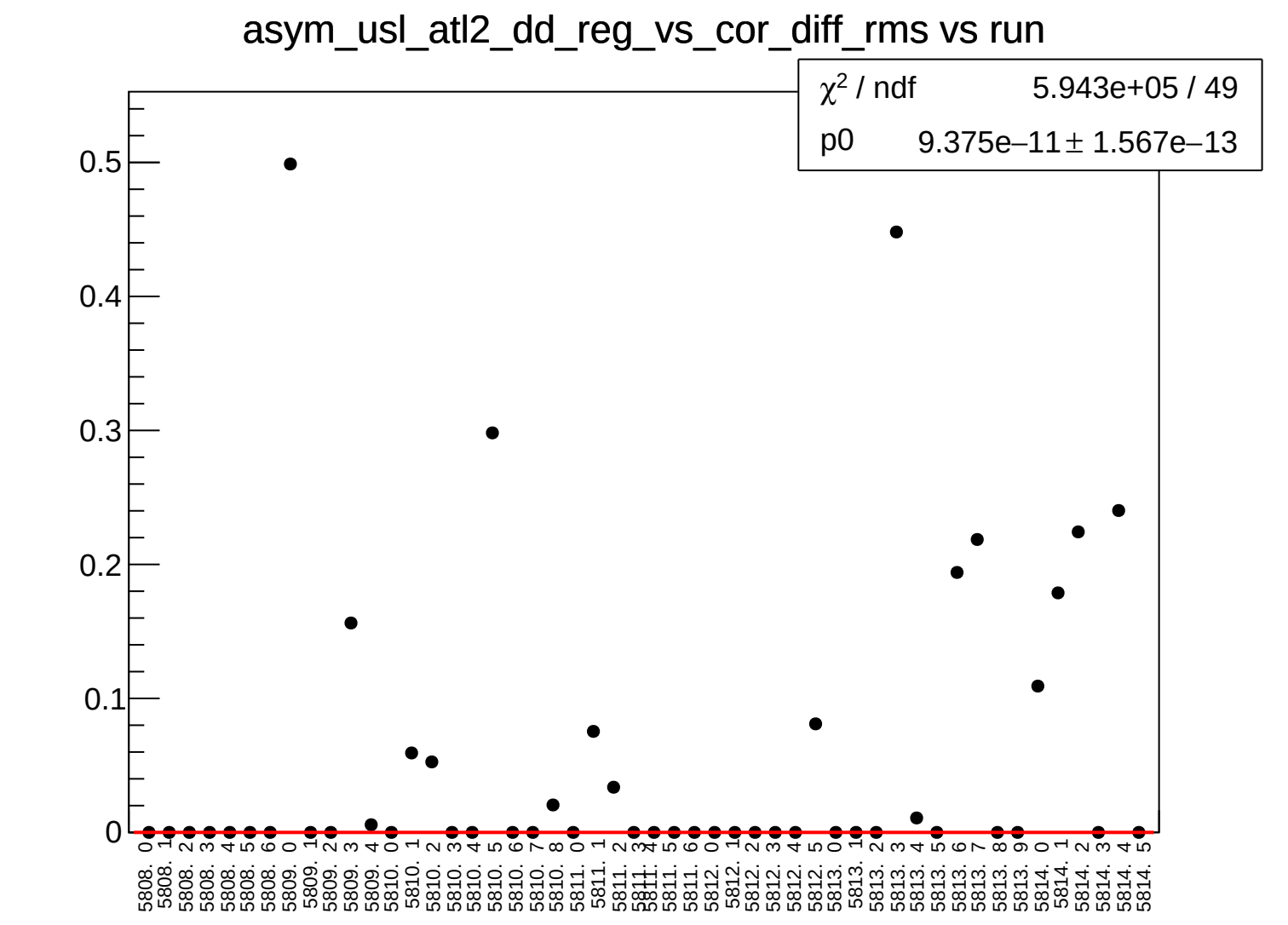

asym_usl_atl2_dd_mean vs run
χ² / ndf 48.44 / 49
p0 9170 ± 3488
pull
Entries 50
Mean −310.1
Std Dev 0

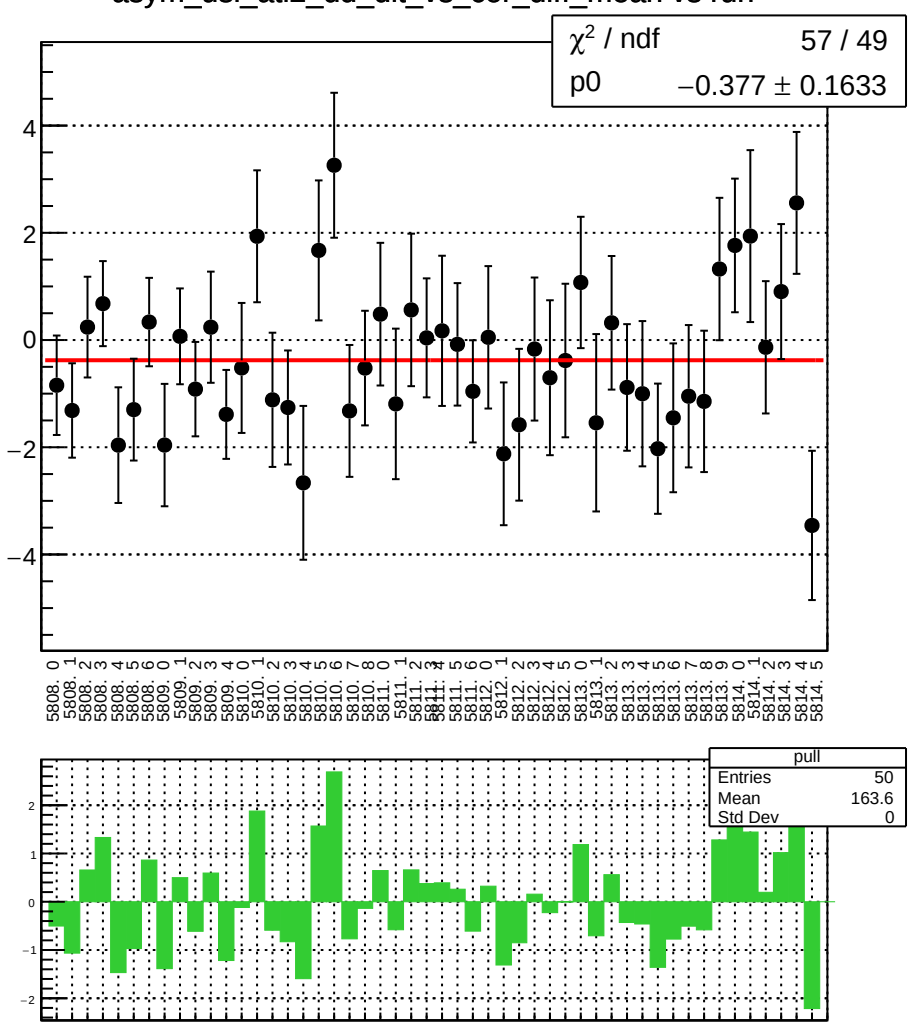

pull1D
Entries 50
Mean −0.008428
Std Dev 0.9842

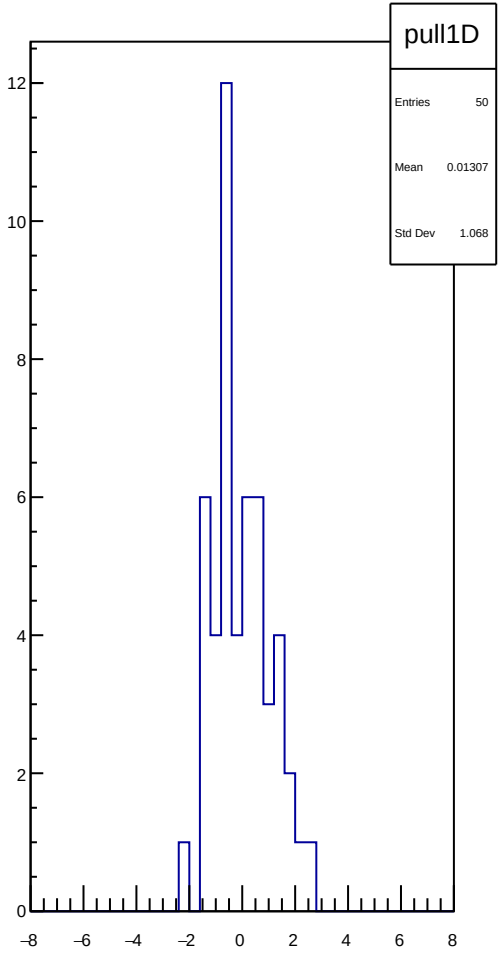

asym_usl_atl2_dd_rms vs run
χ² / ndf 1576 / 49
p0 2404 ± 2.466
2650
2600
2550
2500
2450
2400
2350
2300
2250
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

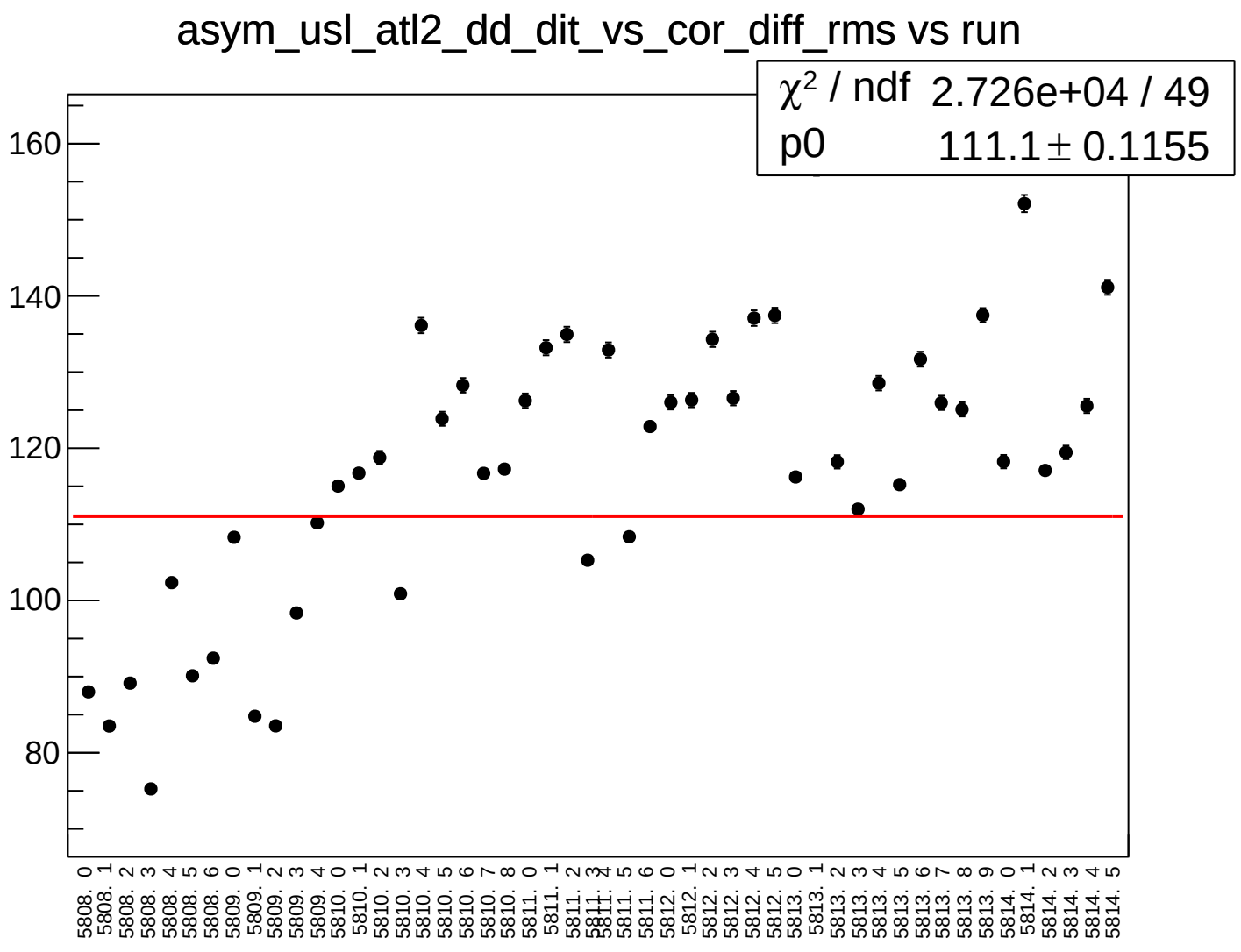

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.1 / 49
p0 −1.885e−13 ± 2.217e−13
0.01
0.005
0
−0.005
−0.01
−0.015
pull
Entries 50
Mean 33.22
Std Dev 16.35
3
2
1
0
−1
−2

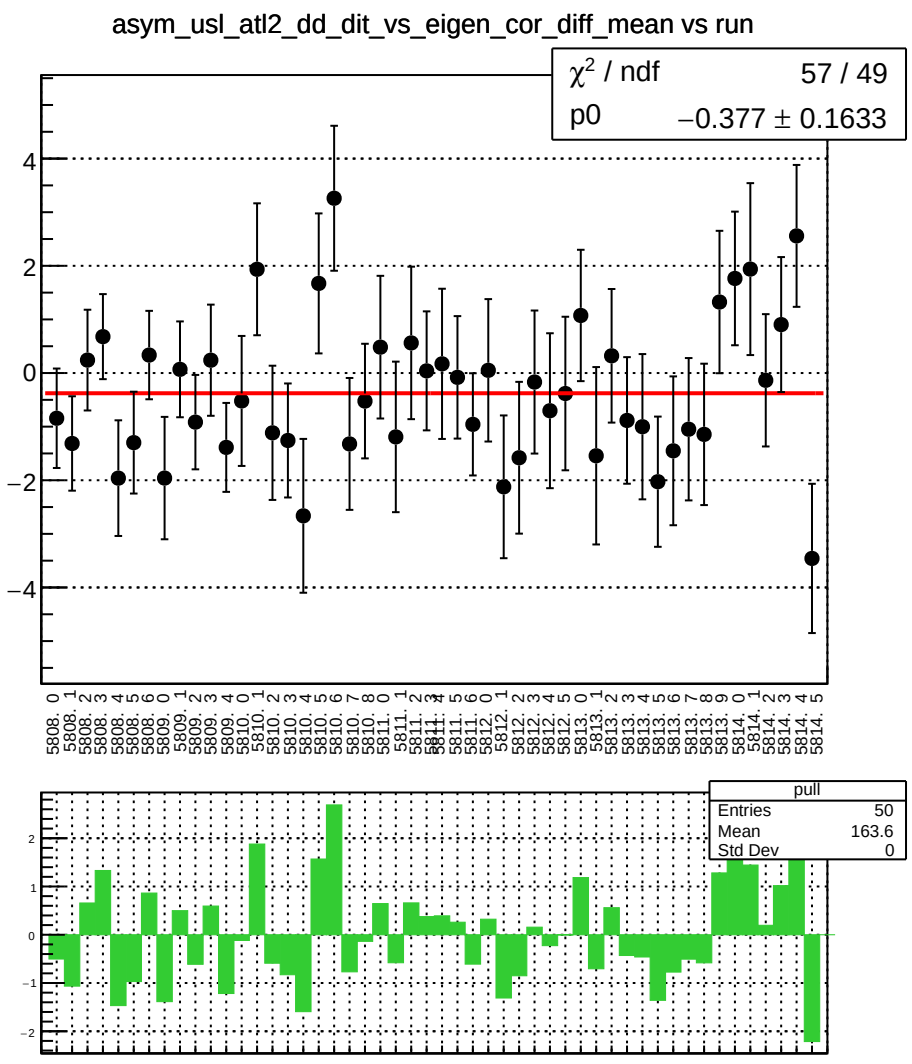

pull1D
Entries 50
Mean −0.0713
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

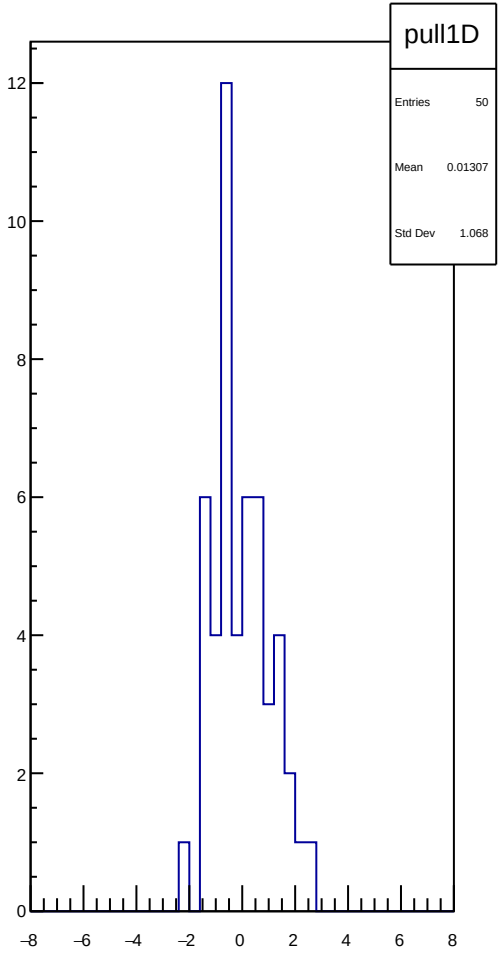

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.943e+05 / 49
p0 9.375e−11 ± 1.567e−13
0.5
0.4
0.3
0.2
0.1
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

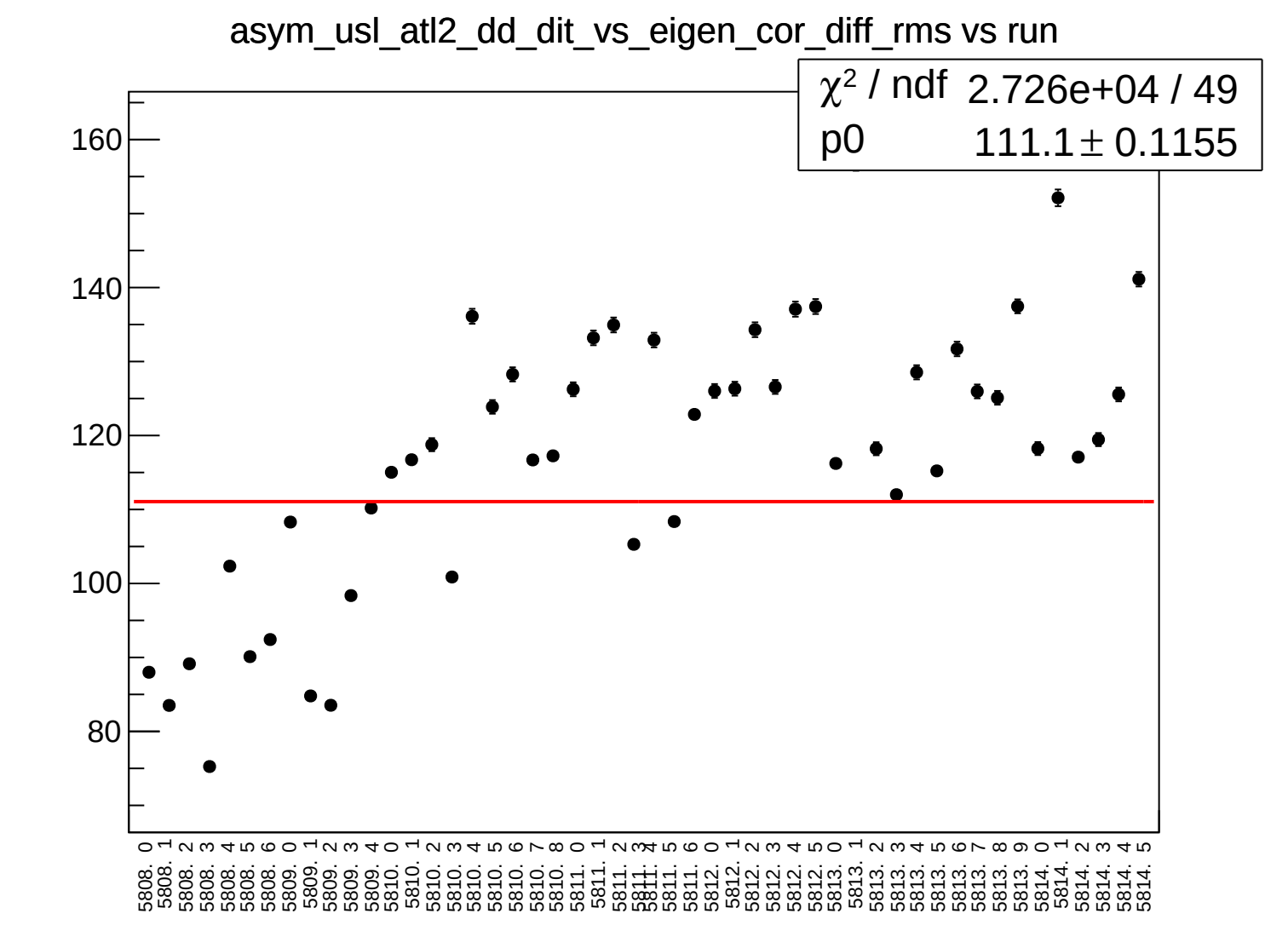

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57 / 49
p0 −0.377 ± 0.1633
pull
Entries 50
Mean 163.6
Std Dev 0

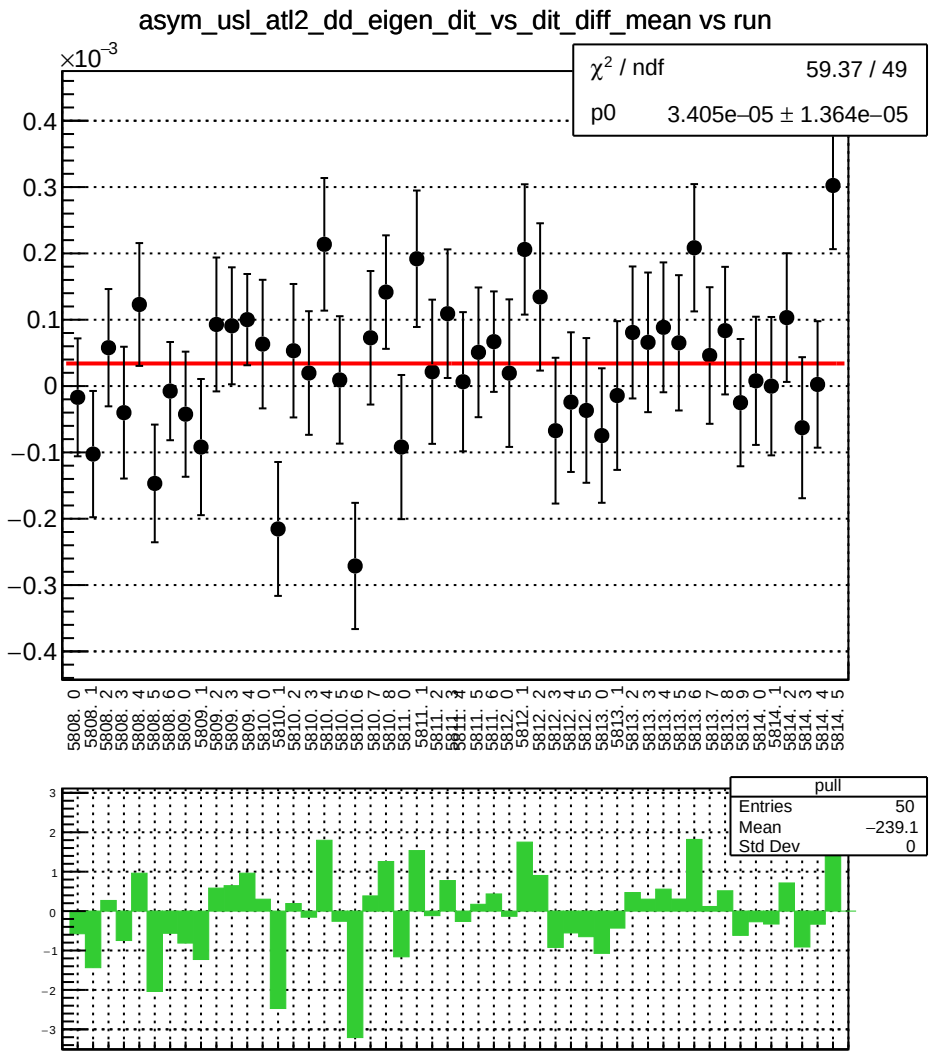

pull1D
Entries 50
Mean 0.01307
Std Dev 1.068

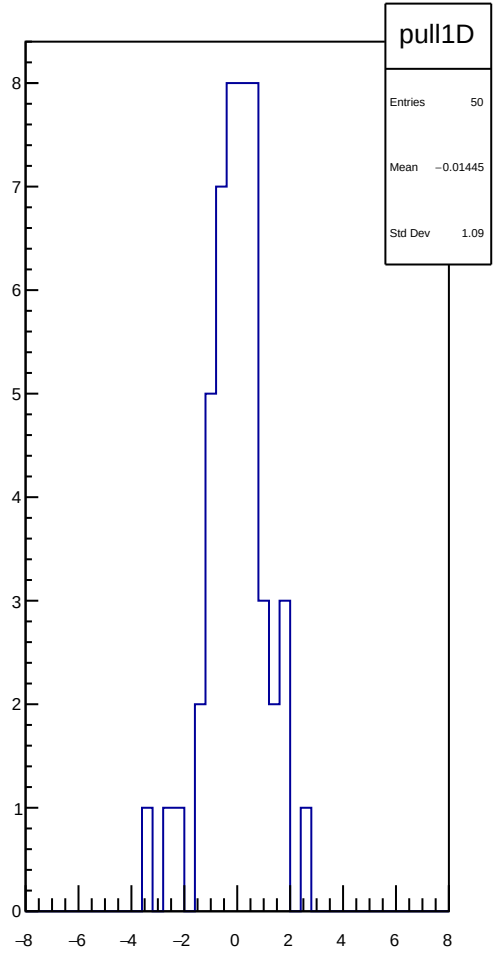

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 49
p0 111.1 ± 0.1155
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

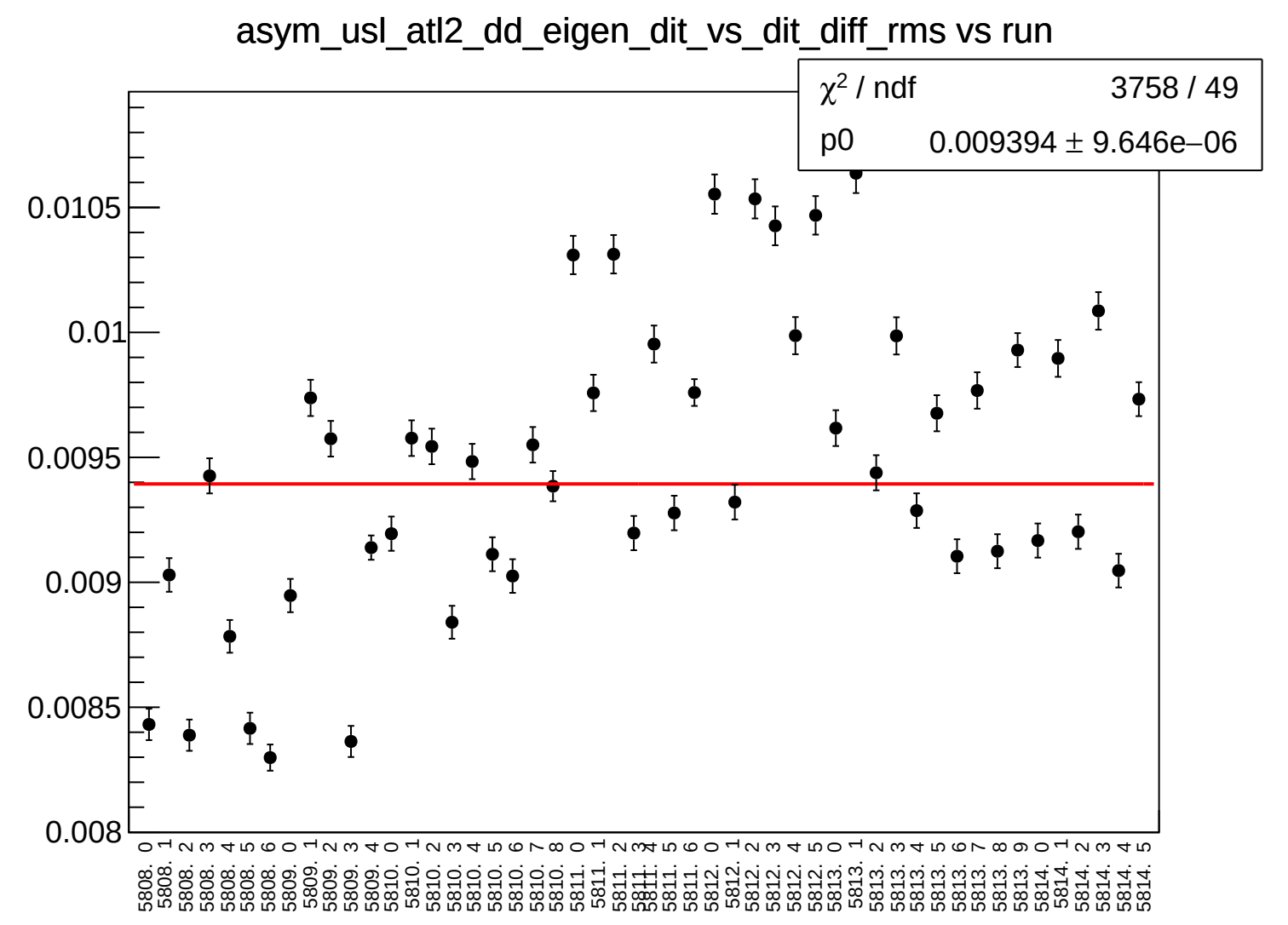

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57 / 49
p0 −0.377 ± 0.1633
pull
Entries 50
Mean 163.6
Std Dev 0


pull1D
Entries 50
Mean 0.01307
Std Dev 1.068


asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.726e+04 / 49
p0 111.1 ± 0.1155
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.37 / 49
p0 3.405e−05 ± 1.364e−05
pull
Entries 50
Mean −239.1
Std Dev 0


pull1D
Entries 50
Mean −0.01445
Std Dev 1.09


asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3758 / 49
p0 0.009394 ± 9.646e−06
0.0105
0.01
0.0095
0.009
0.0085
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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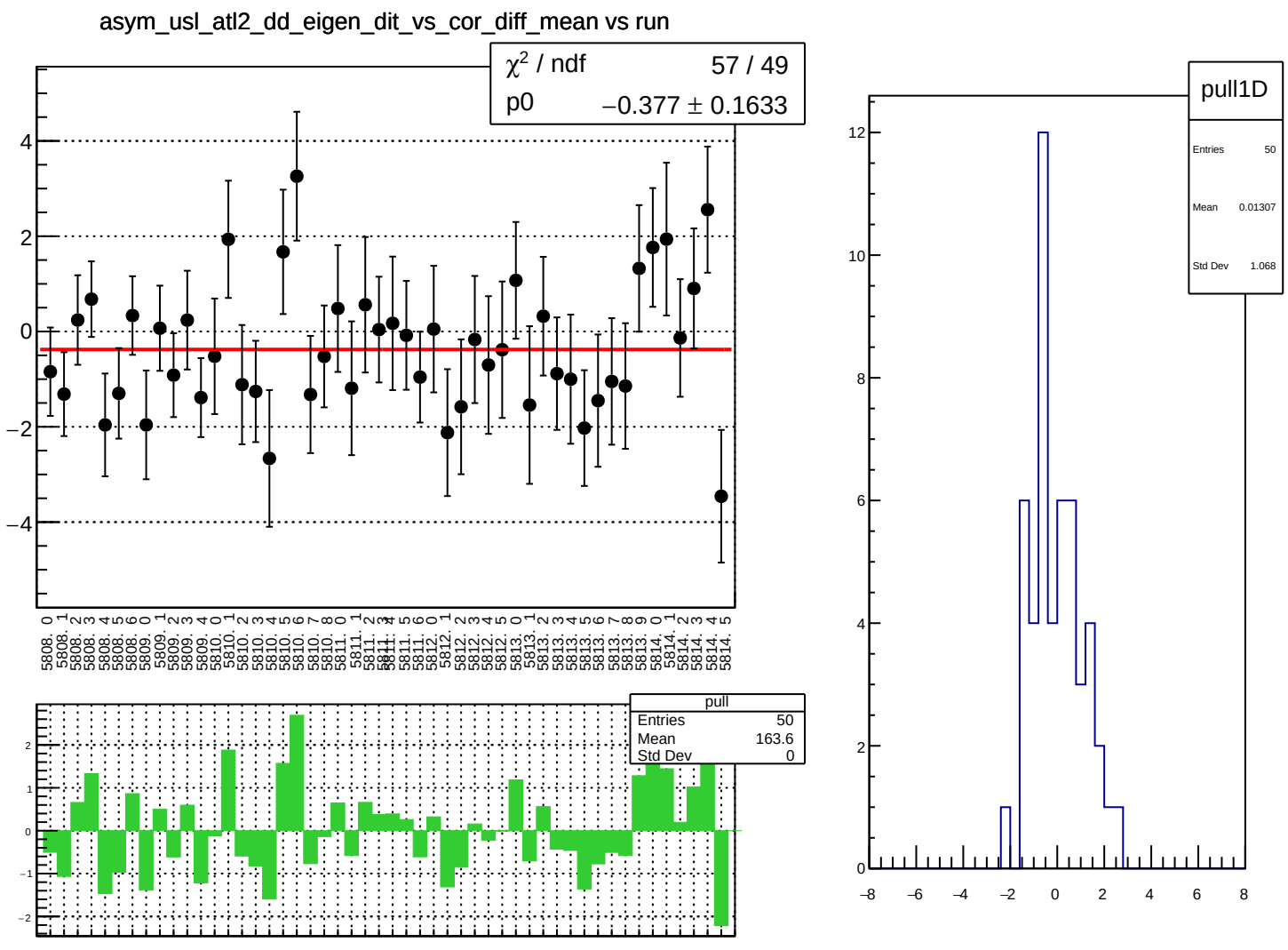
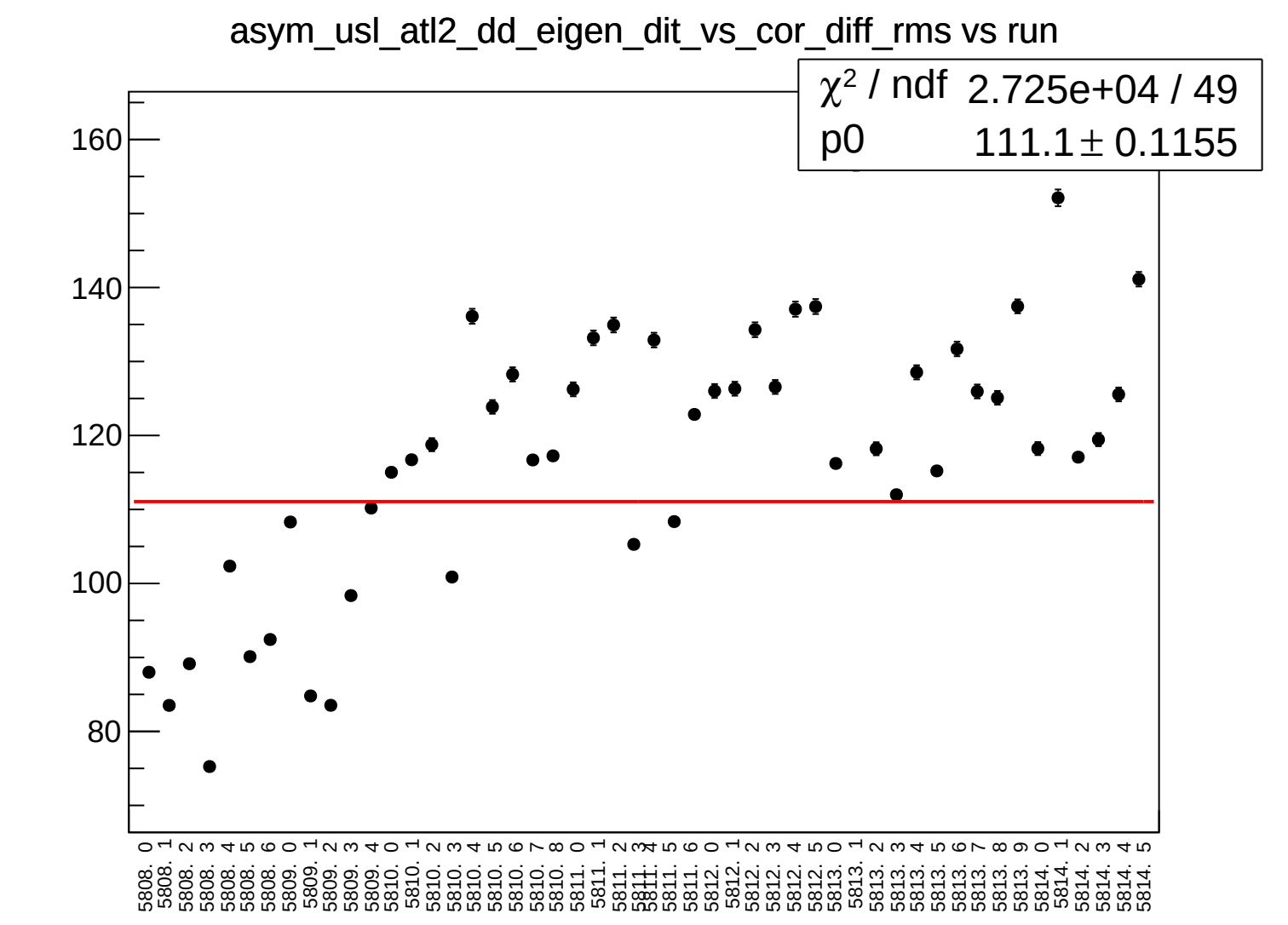
5814. 5


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57 / 49
p0 −0.377 ± 0.1633
pull
Entries 50
Mean 163.6
Std Dev 0
pull1D
Entries 50
Mean 0.01307
Std Dev 1.068


asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.725e+04 / 49
p0 111.1 ± 0.1155
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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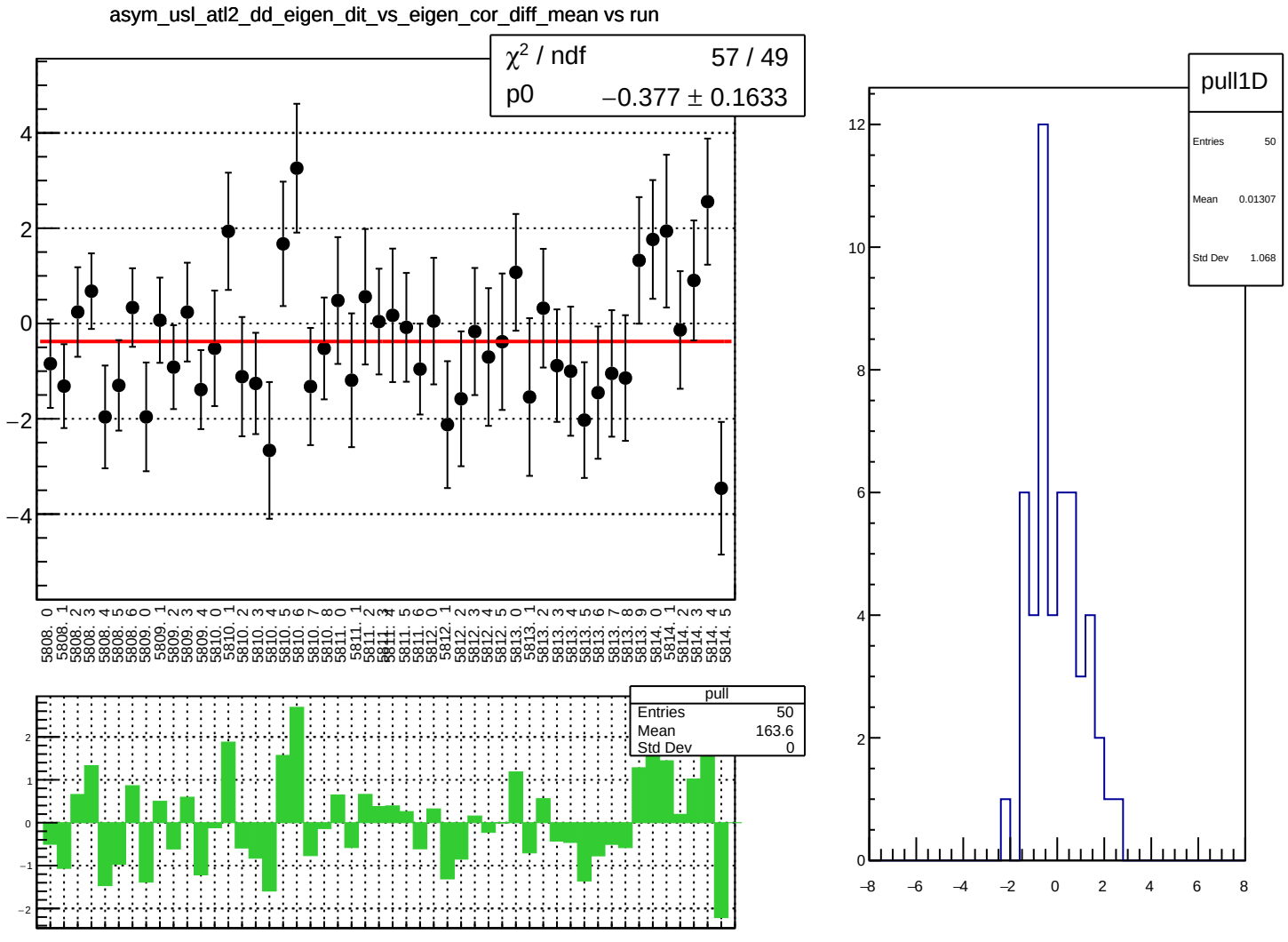
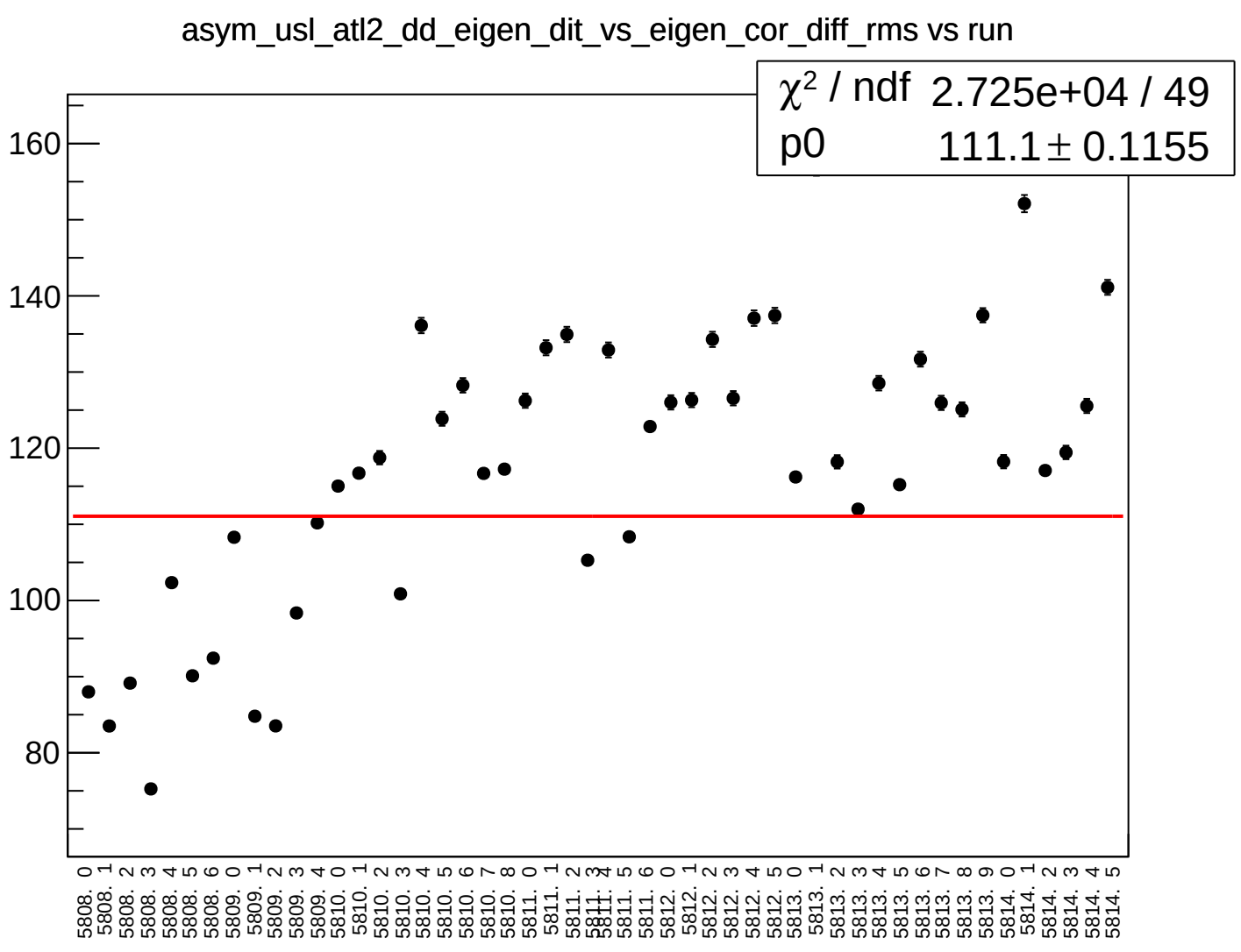
5814. 5


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57 / 49
p0 −0.377 ± 0.1633
pull
Entries 50
Mean 163.6
Std Dev 0
pull1D
Entries 50
Mean 0.01307
Std Dev 1.068


asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.725e+04 / 49
p0 111.1 ± 0.1155
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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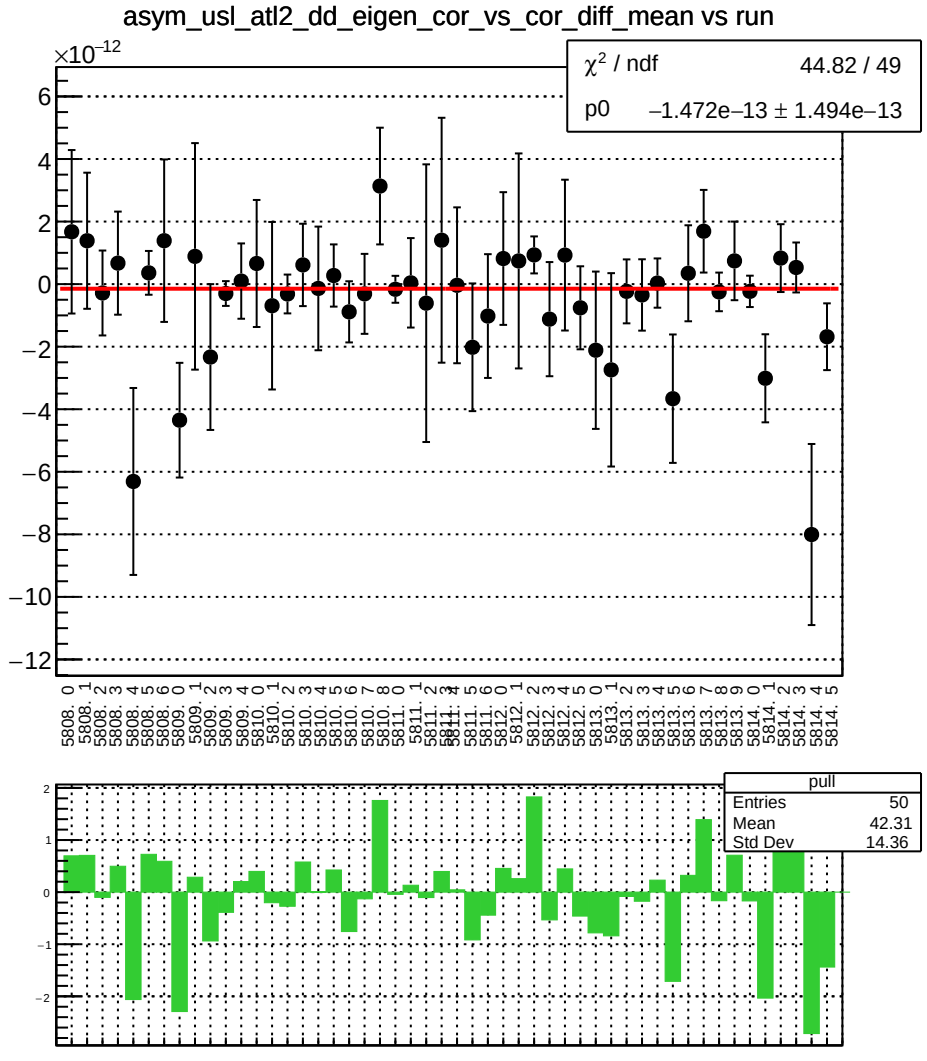
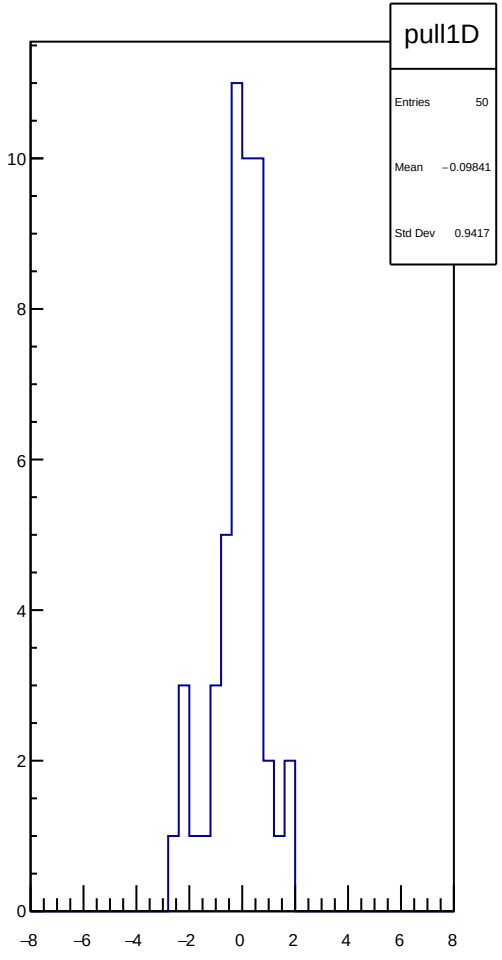
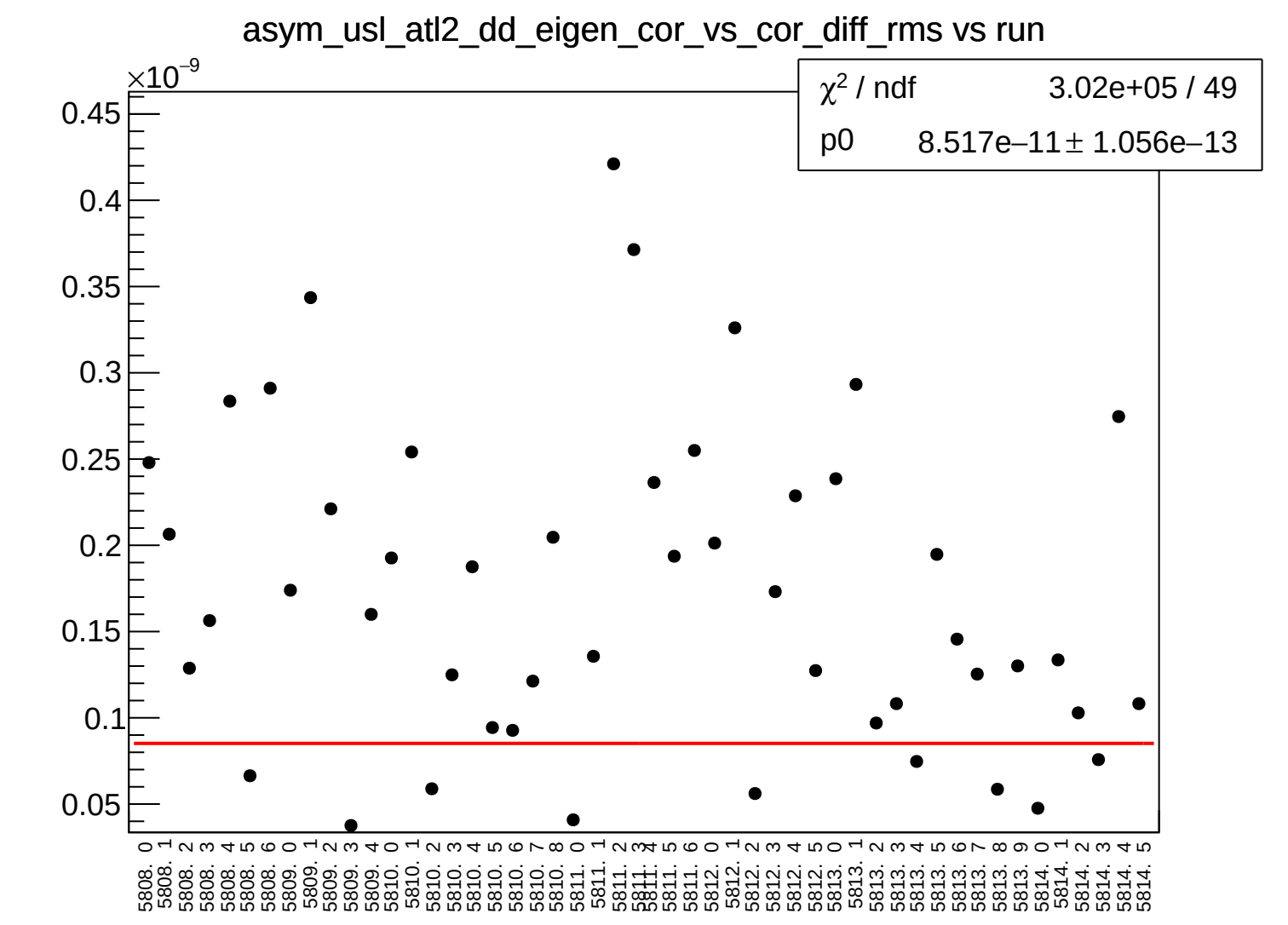
5814. 5


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 44.82 / 49
p0 −1.472e−13 ± 1.494e−13
pull
Entries 50
Mean 42.31
Std Dev 14.36


pull1D
Entries 50
Mean −0.09841
Std Dev 0.9417


asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.02e+05 / 49
p0 8.517e−11 ± 1.056e−13
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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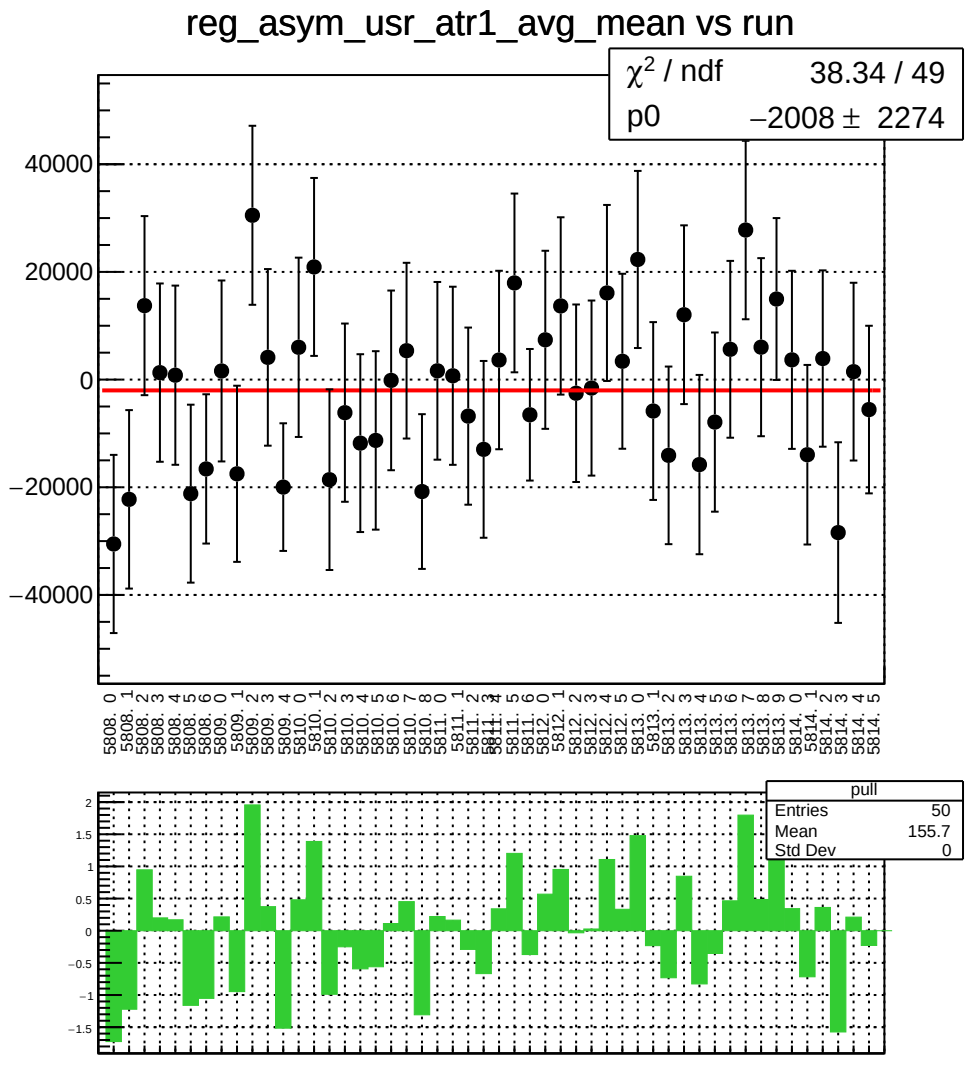
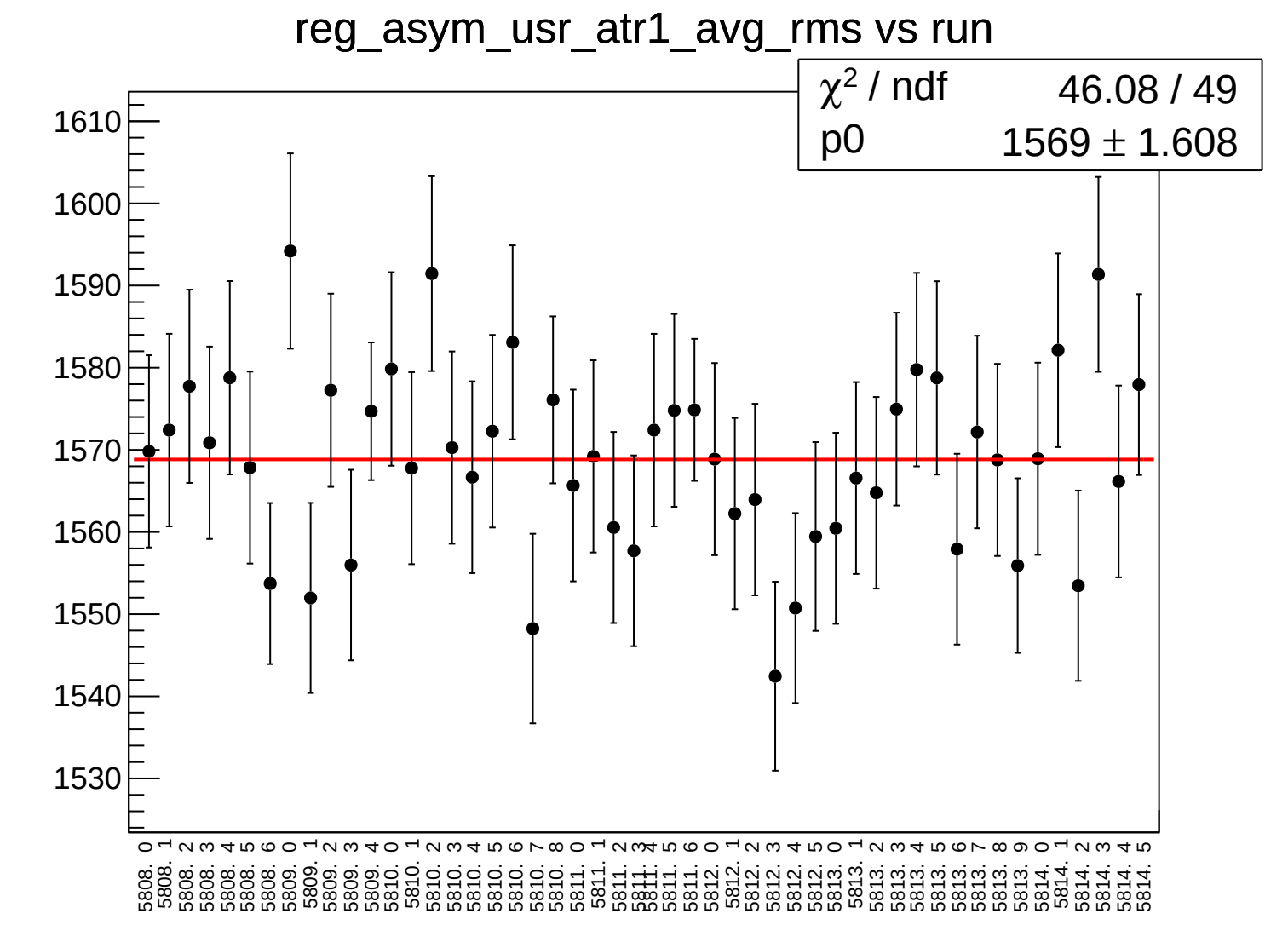
5814. 4
5814. 5


reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 38.34 / 49
p0 −2008 ± 2274
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01969
Std Dev 0.8755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr1_avg_rms vs run
χ² / ndf 46.08 / 49
p0 1569 ± 1.608
1610
1600
1590
1580
1570
1560
1550
1540
1530
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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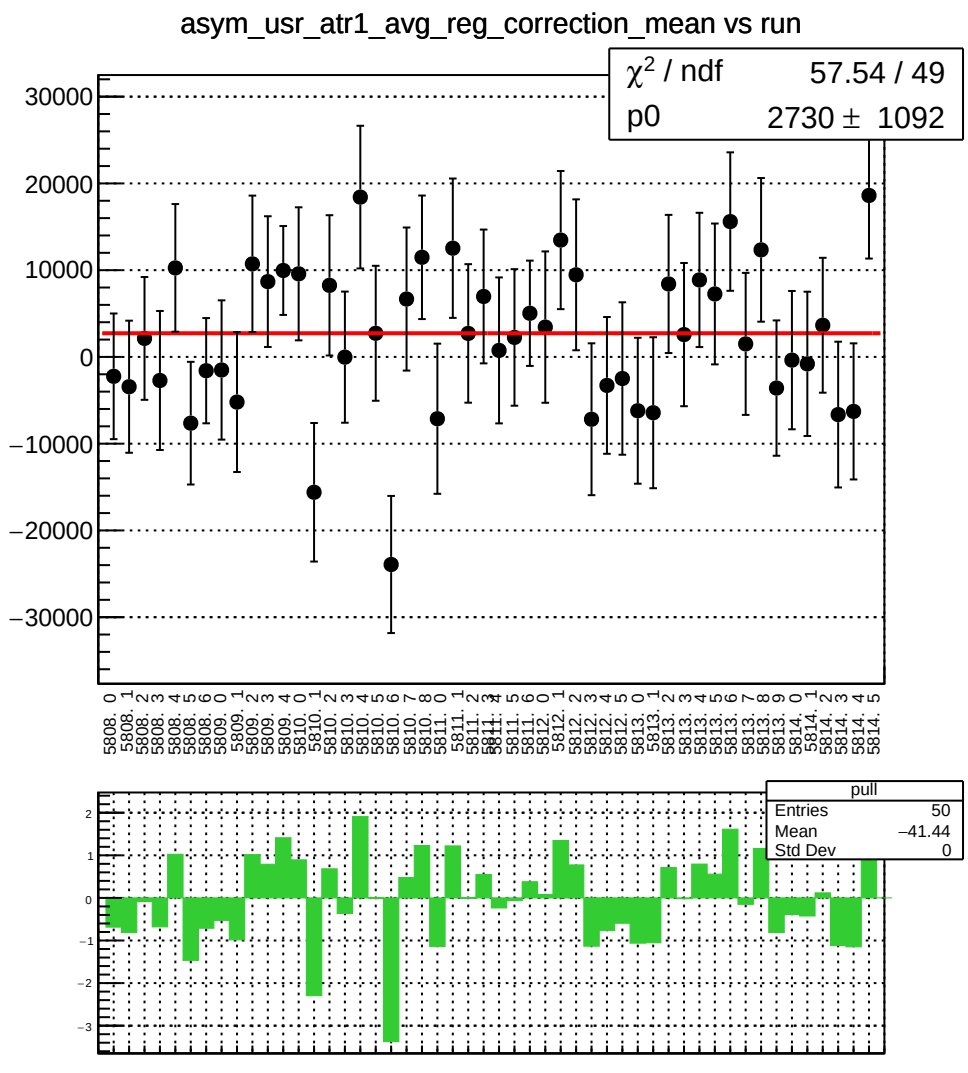
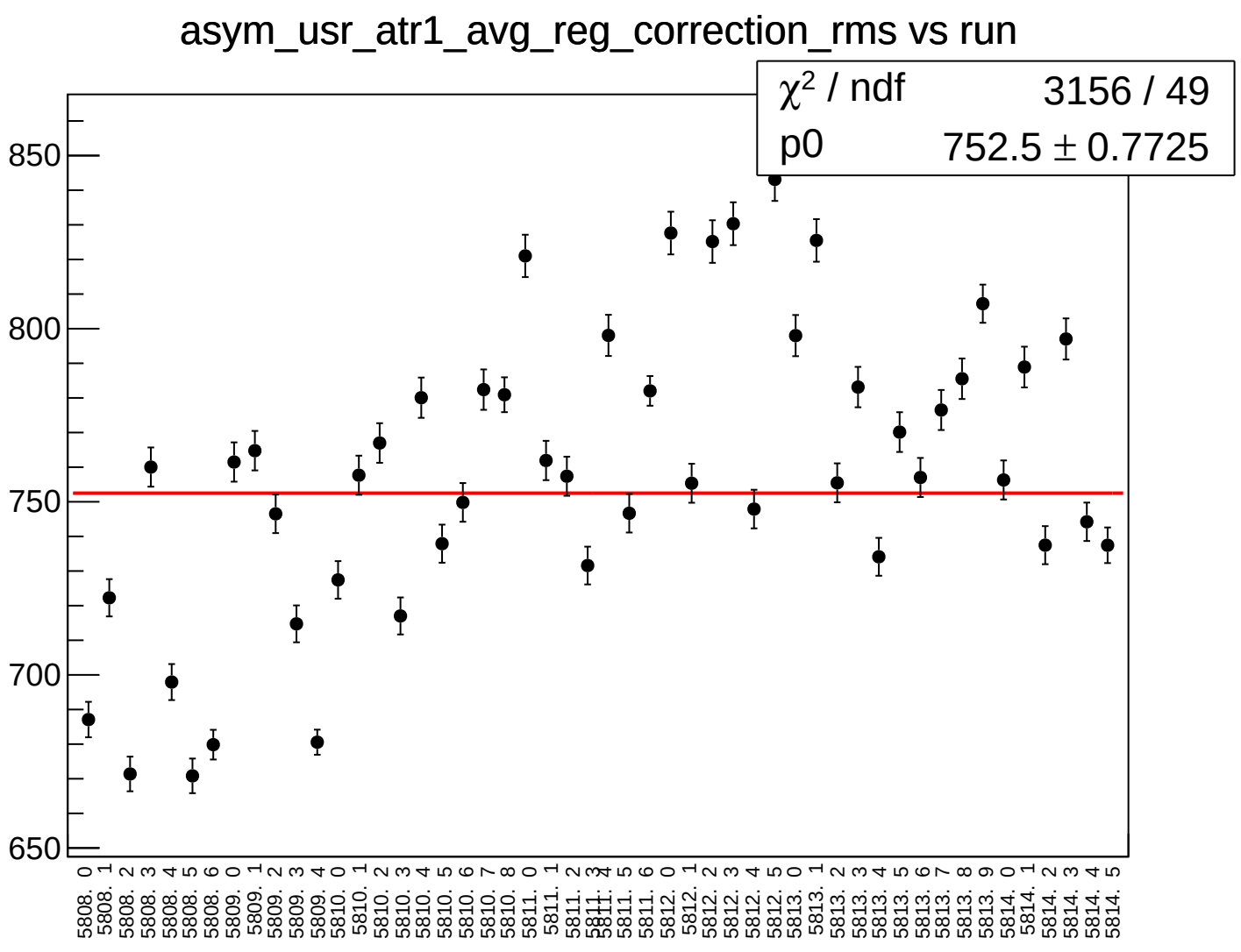
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 57.54 / 49
p0 2730 ± 1092
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −41.44
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.023
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3156 / 49
p0 752.5 ± 0.7725
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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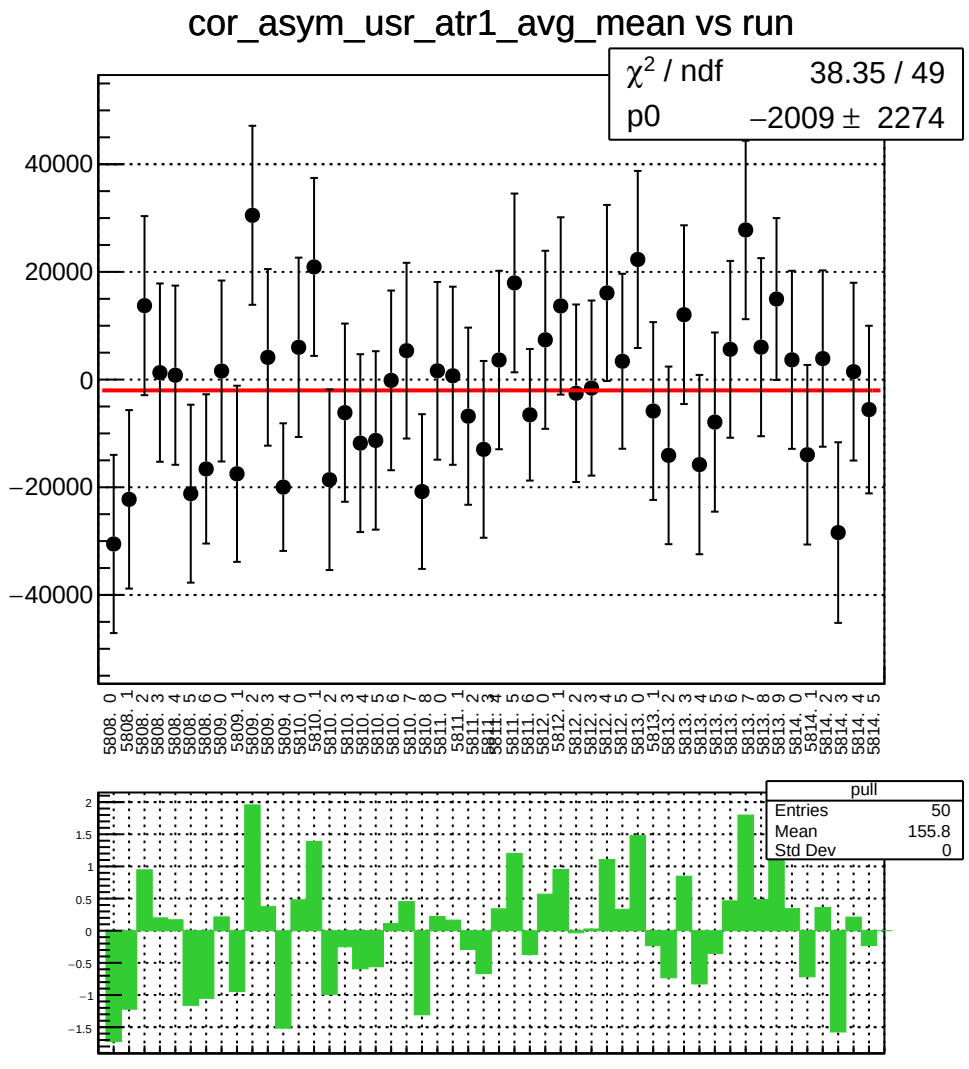
5814. 4
5814. 5


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 38.35 / 49
p0 −2009 ± 2274
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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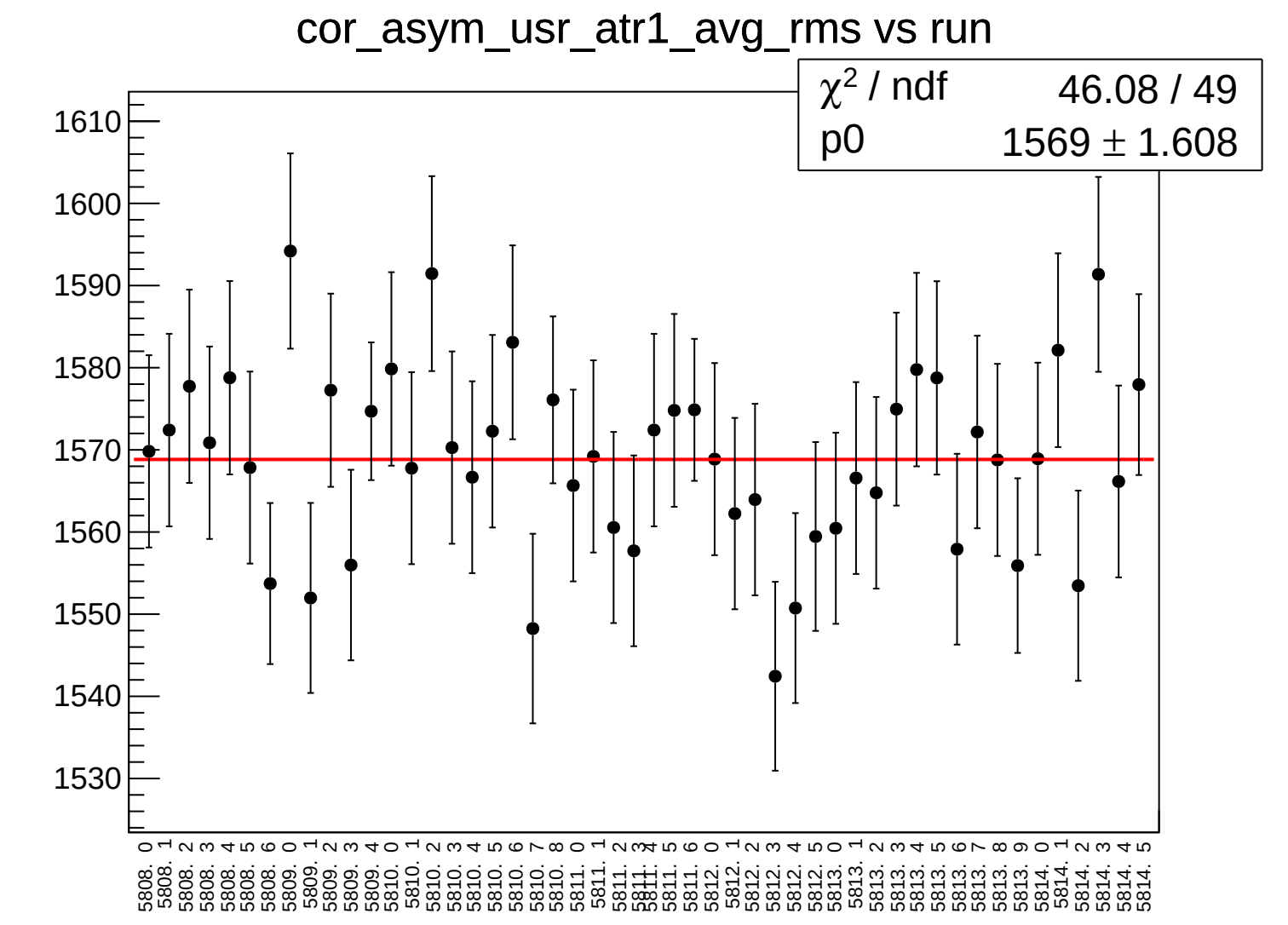
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01969
Std Dev 0.8755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 46.08 / 49
p0 1569 ± 1.608
1610
1600
1590
1580
1570
1560
1550
1540
1530
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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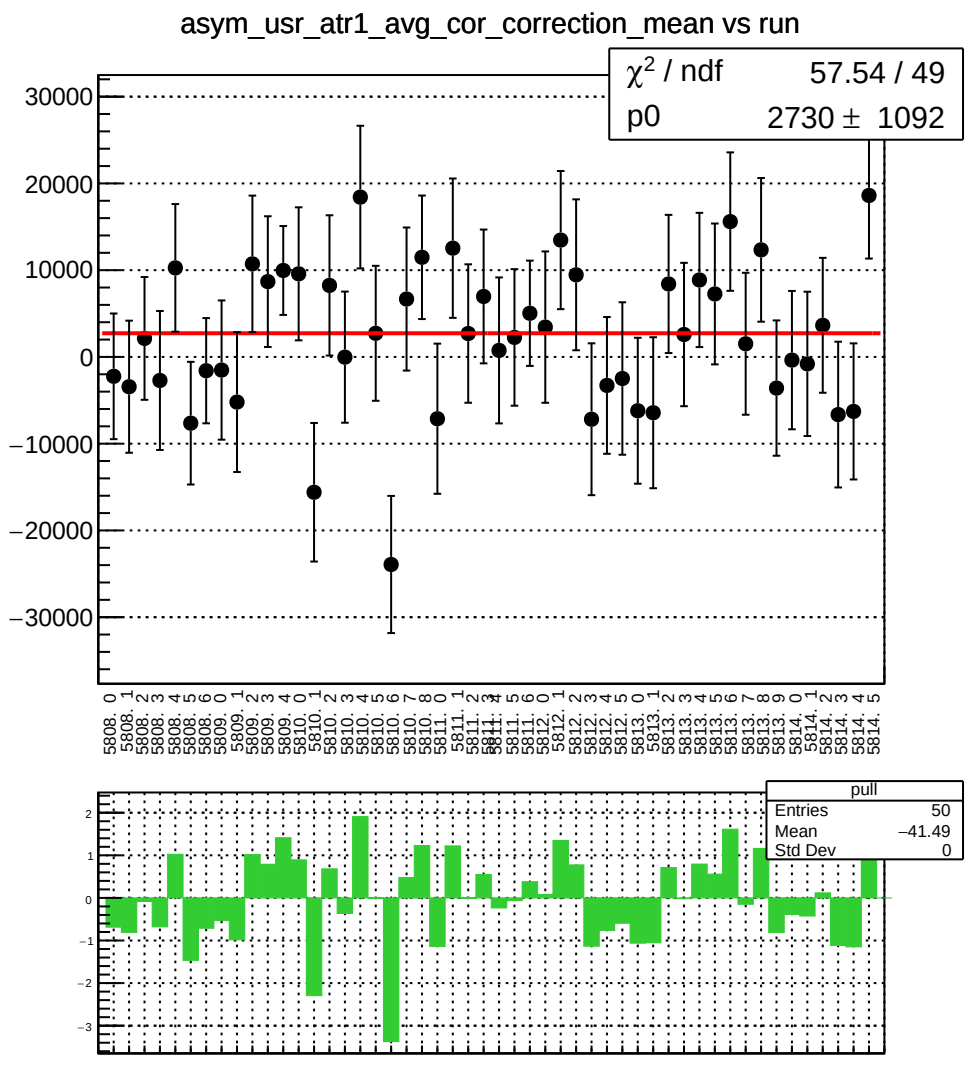
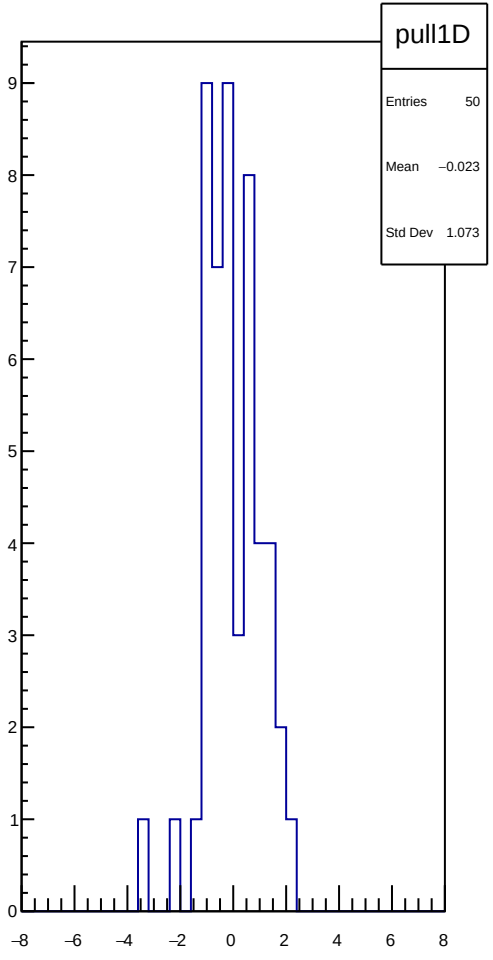
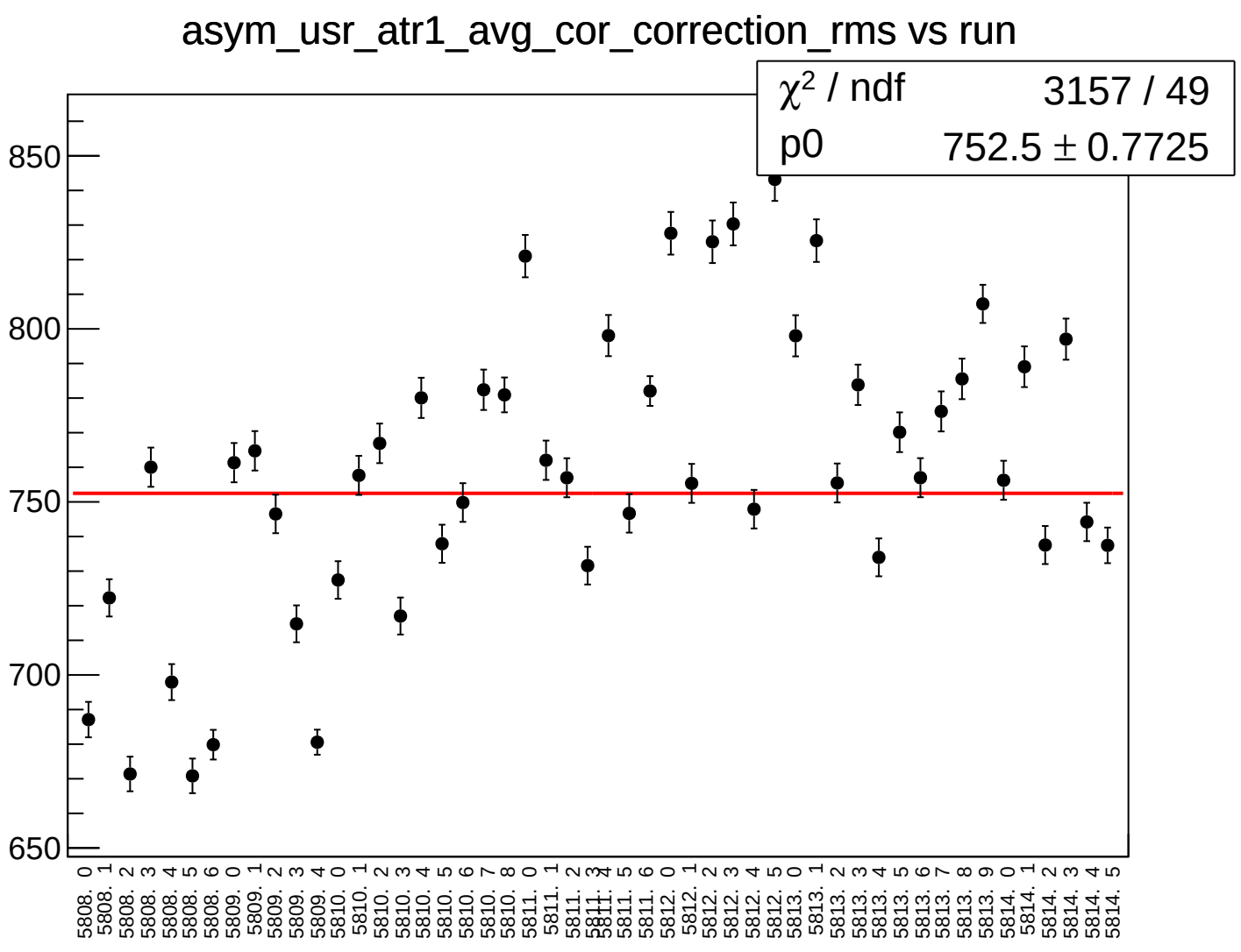

asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 57.54 / 49
p0 2730 ± 1092
pull
Entries 50
Mean −41.49
Std Dev 0


pull1D
Entries 50
Mean −0.023
Std Dev 1.073


asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3157 / 49
p0 752.5 ± 0.7725
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 6
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5812. 2
5812. 3
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5812. 5
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5813. 5
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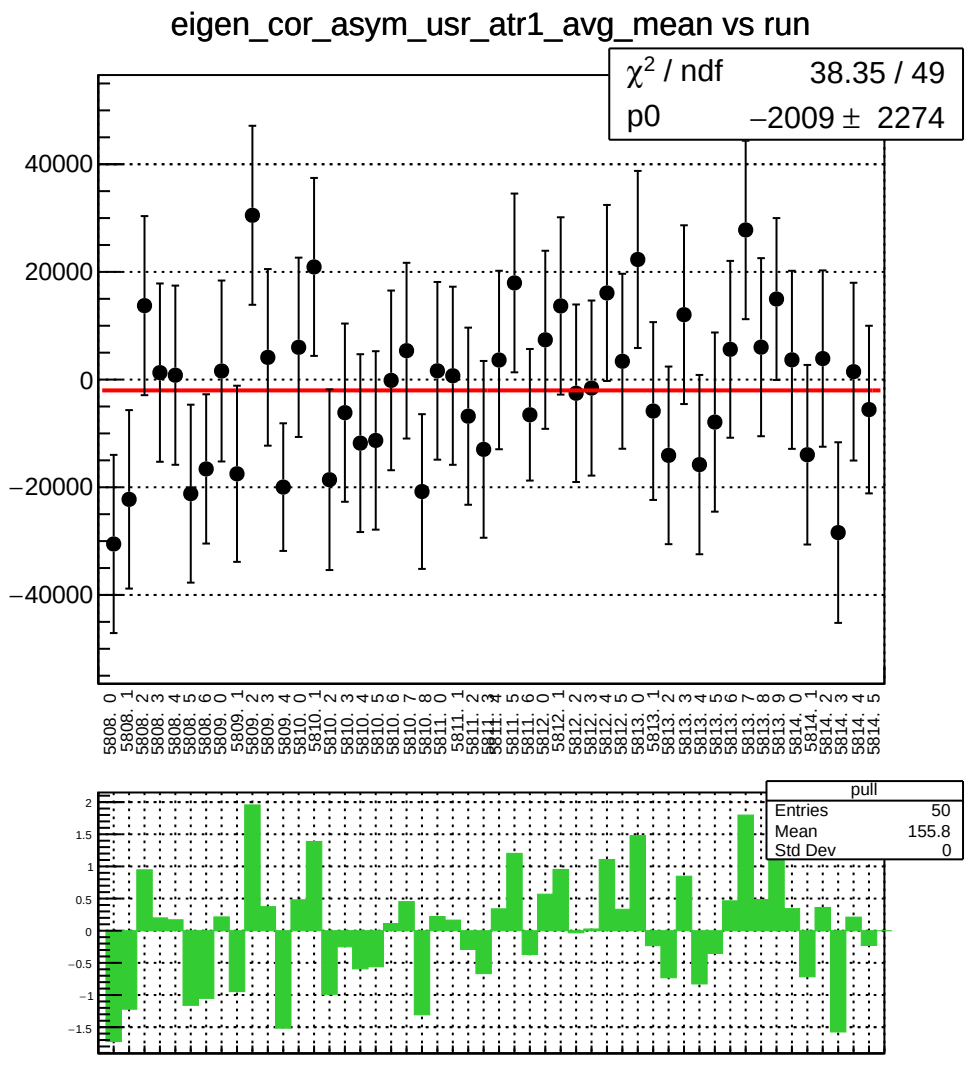
eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 38.35 / 49
p0 −2009 ± 2274
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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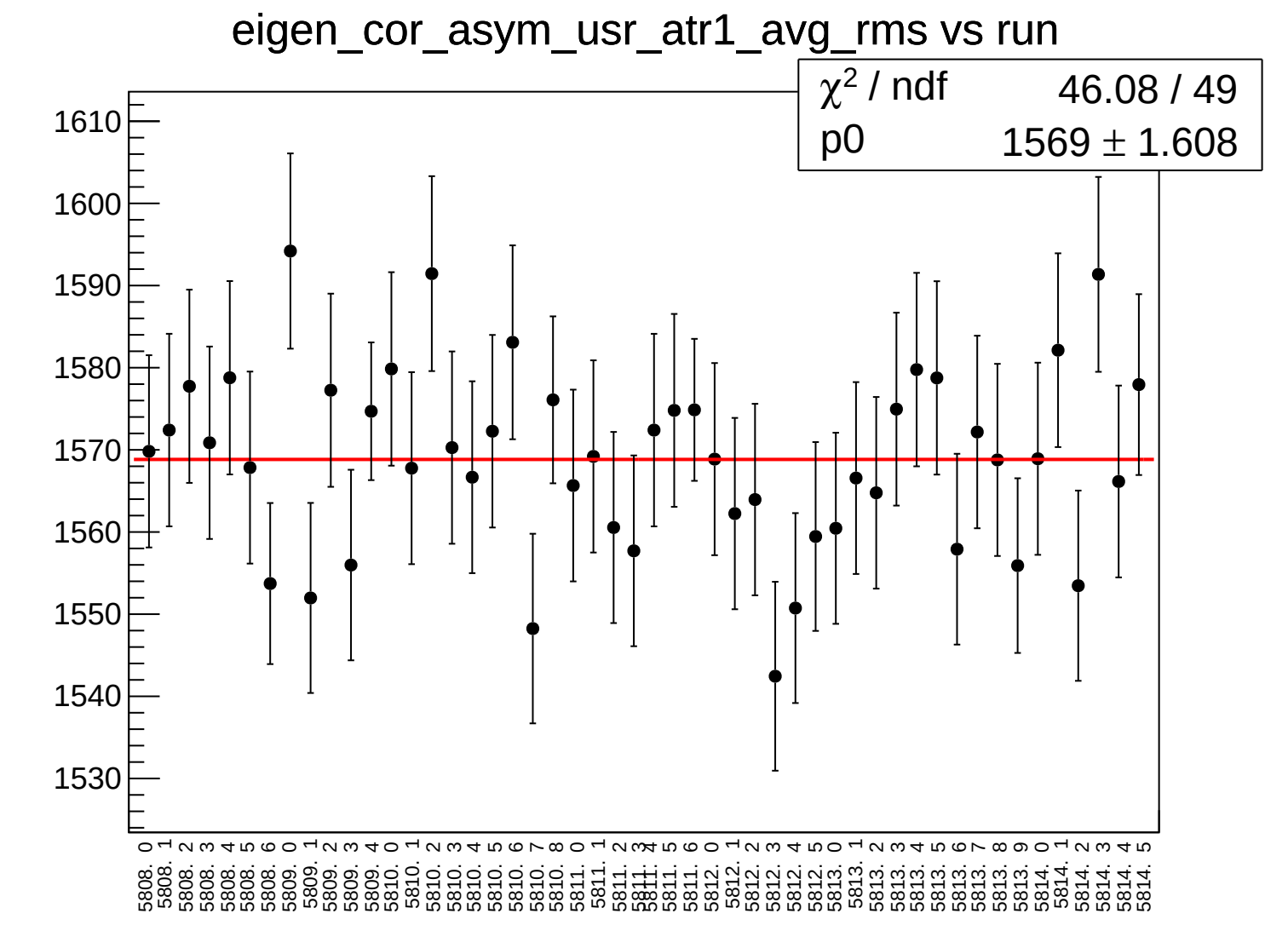
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01969
Std Dev 0.8755
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 46.08 / 49
p0 1569 ± 1.608
1610
1600
1590
1580
1570
1560
1550
1540
1530
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 6
5809. 0
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5809. 2
5809. 3
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5810. 0
5810. 1
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5812. 2
5812. 3
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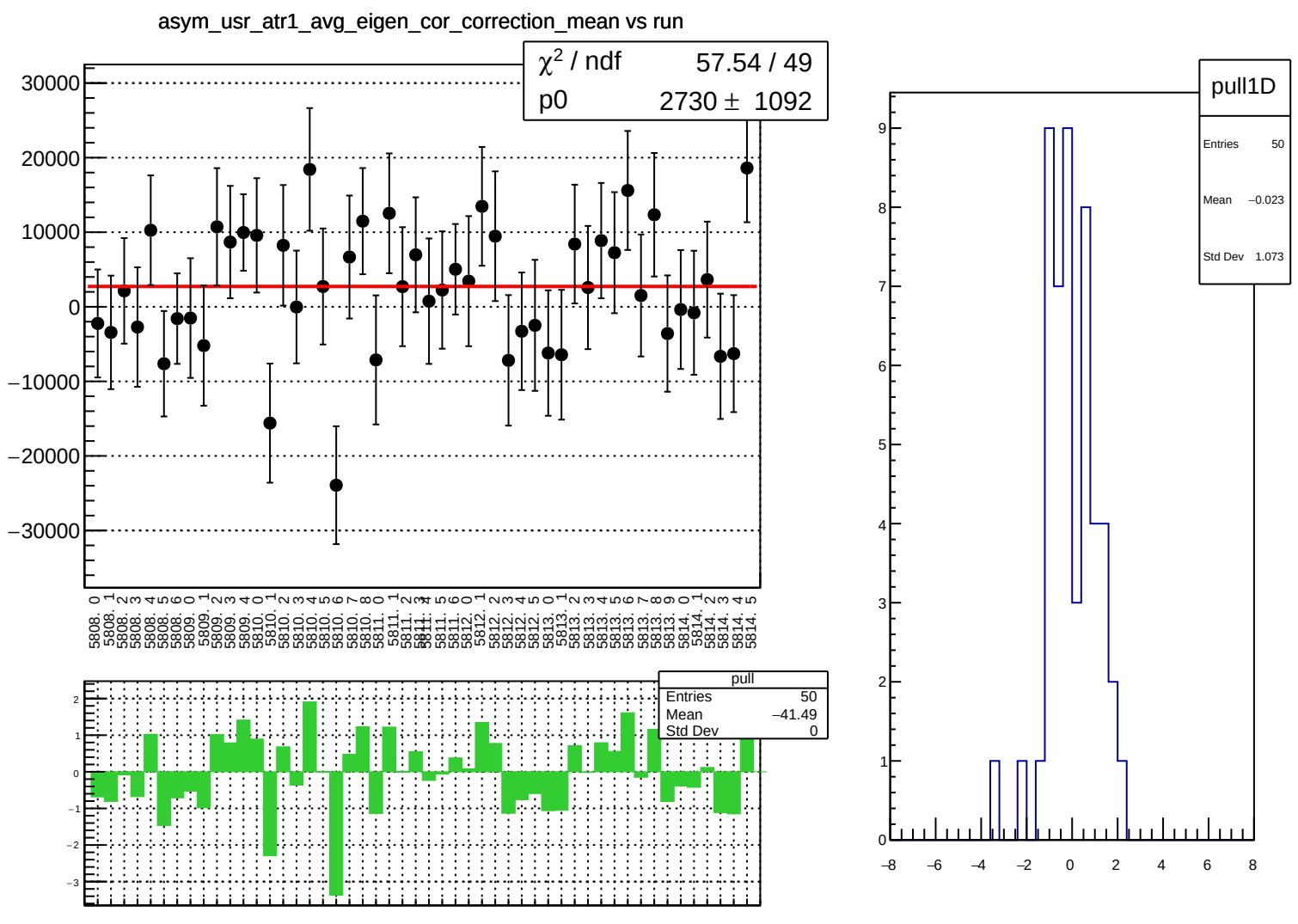
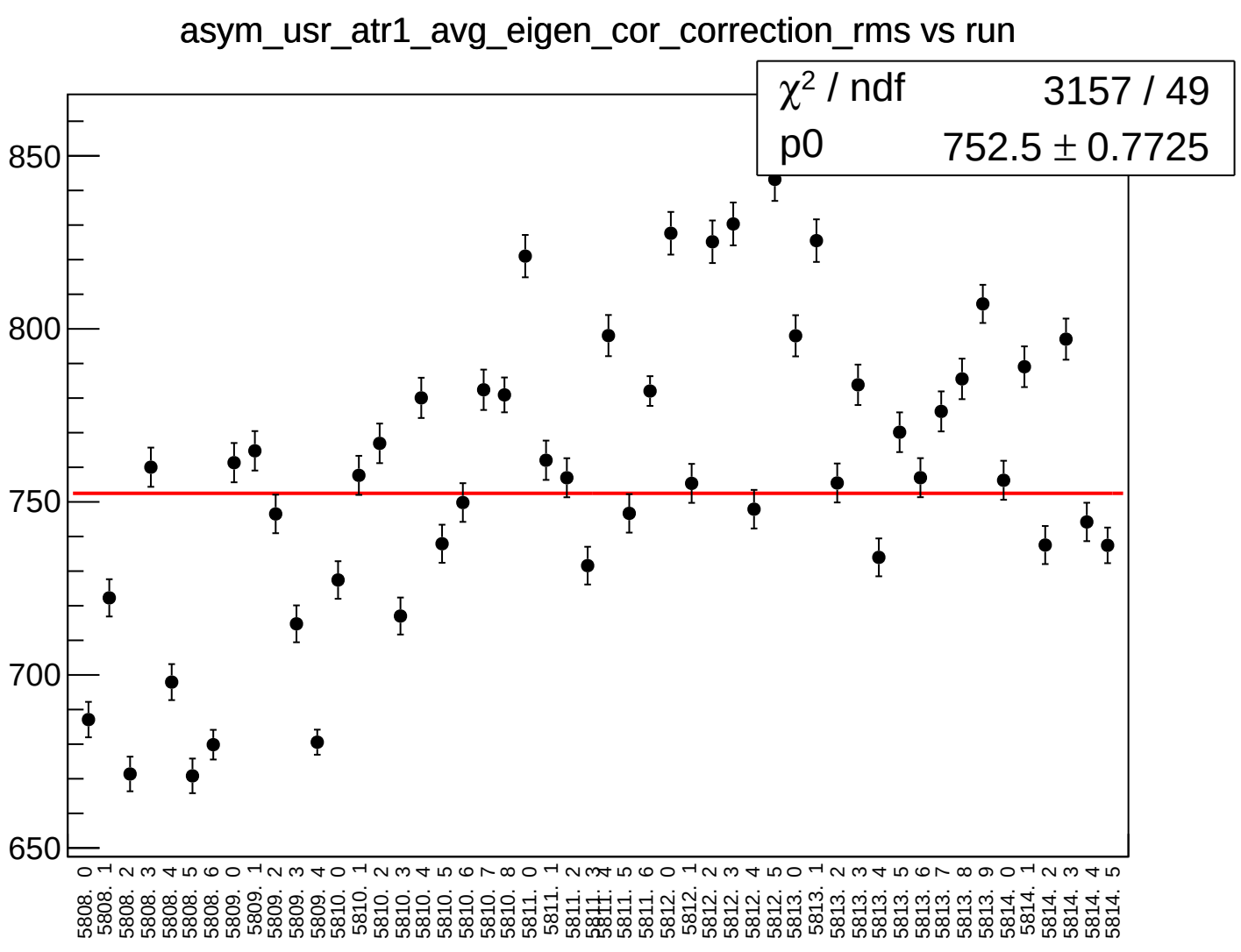

asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.54 / 49
p0 2730 ± 1092
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −41.49
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.023
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3157 / 49
p0 752.5 ± 0.7725
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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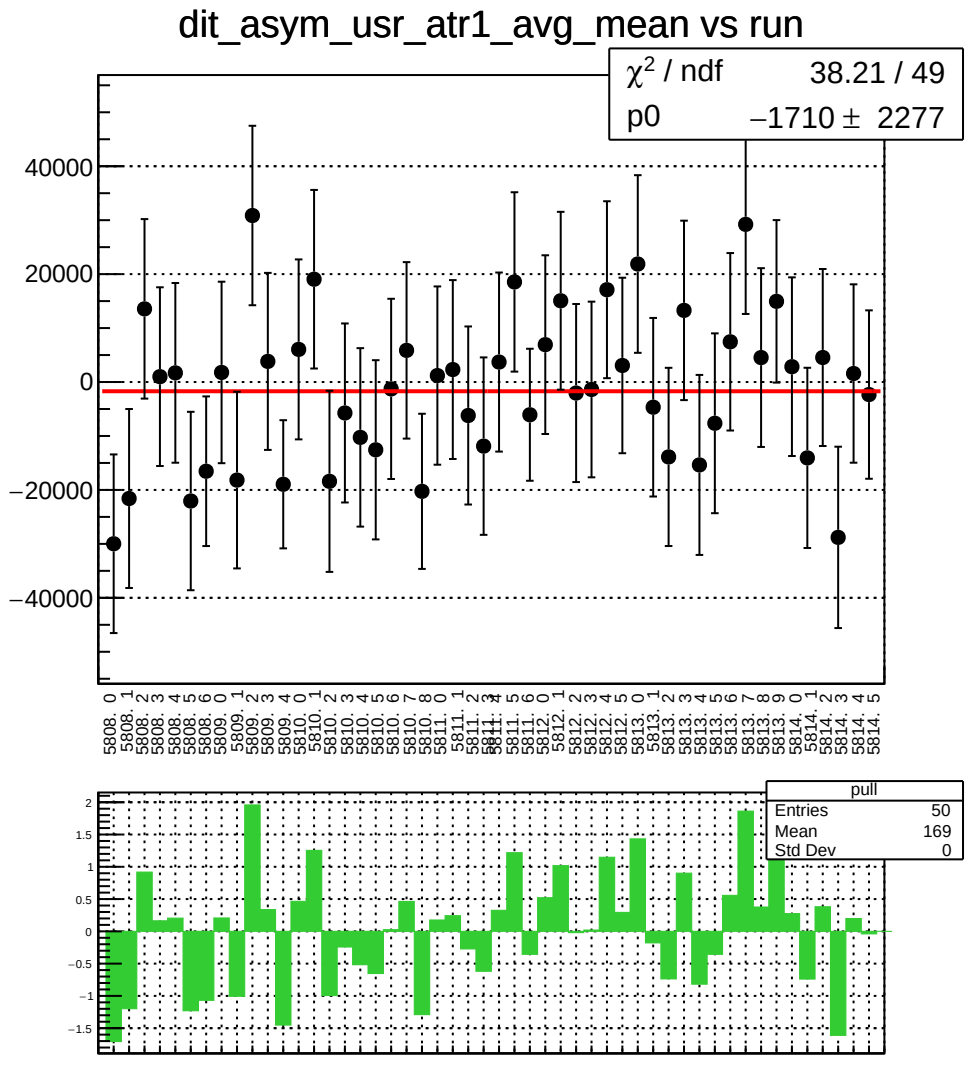
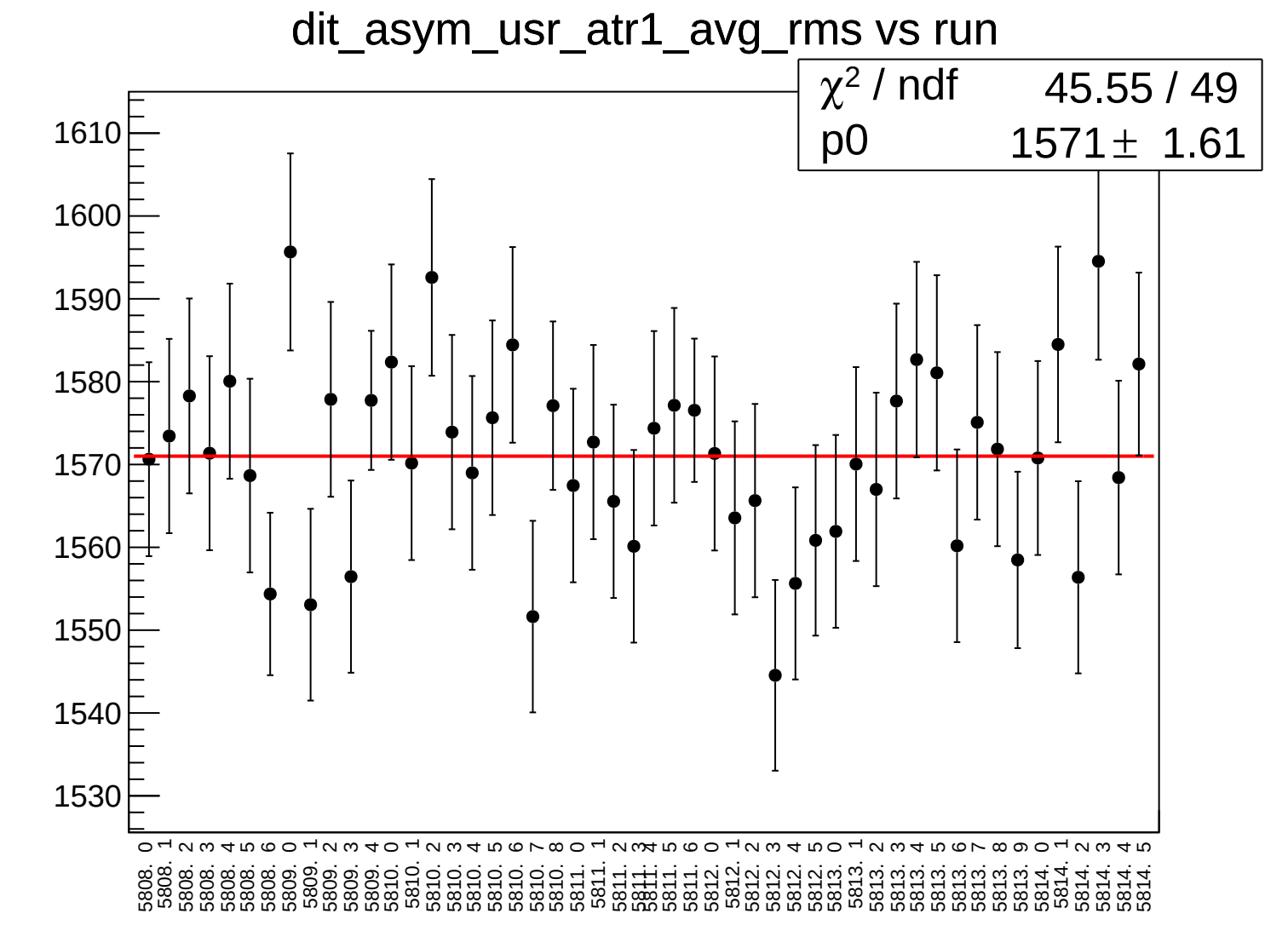
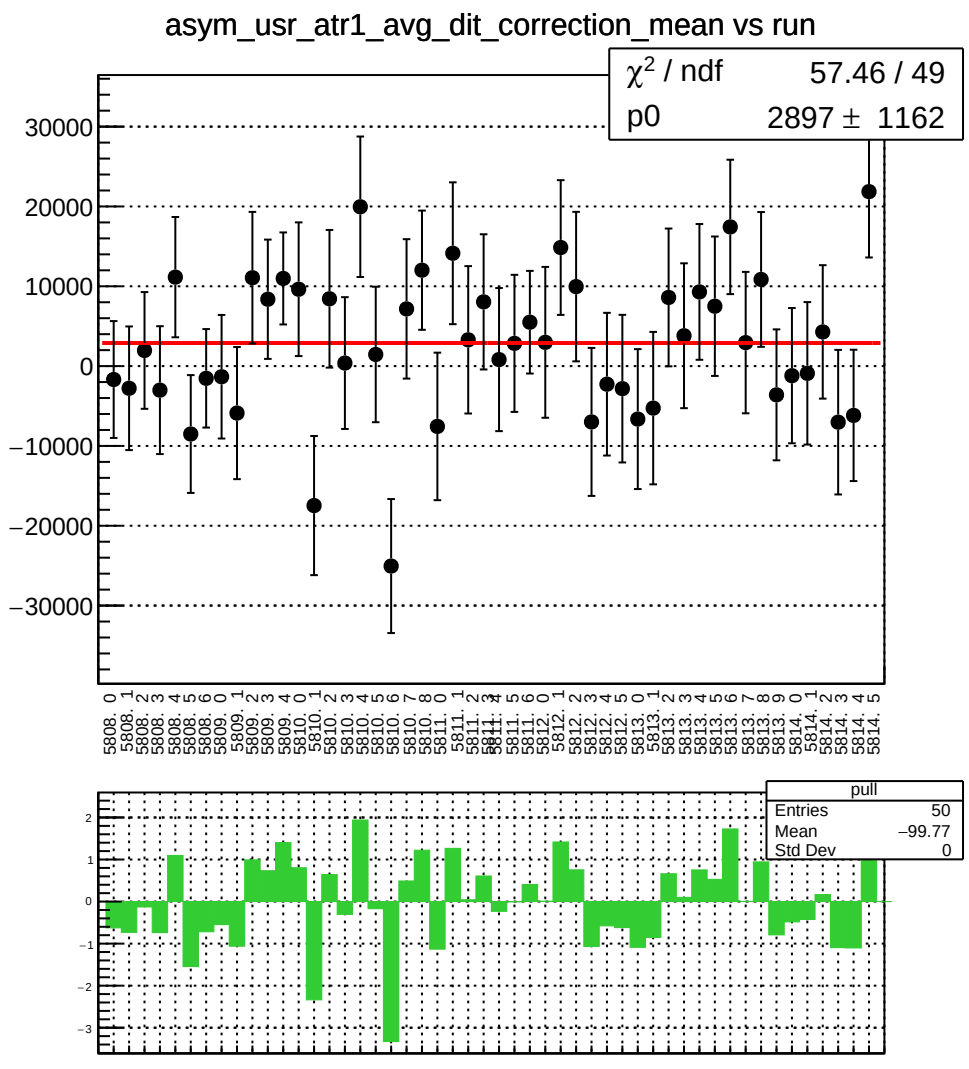
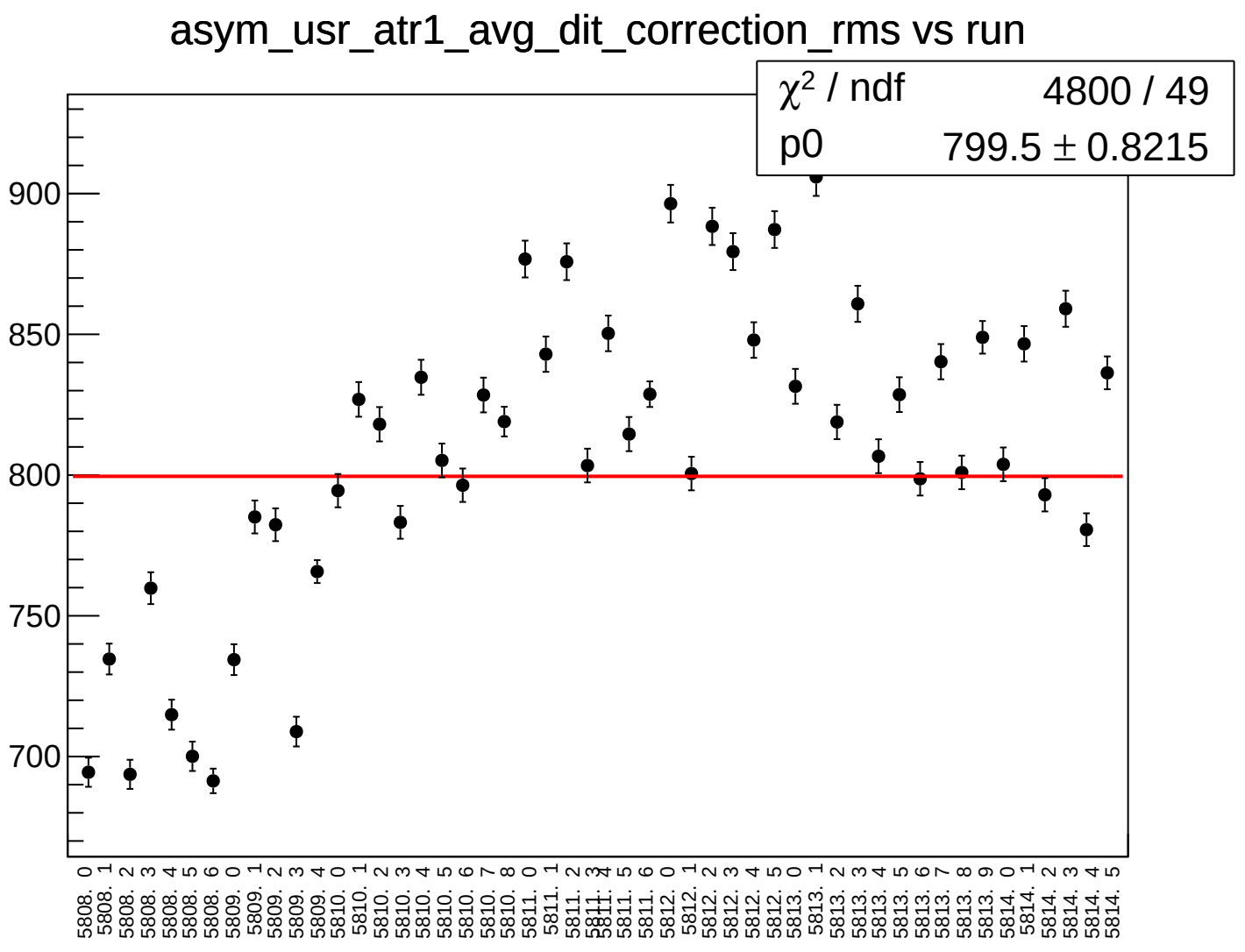
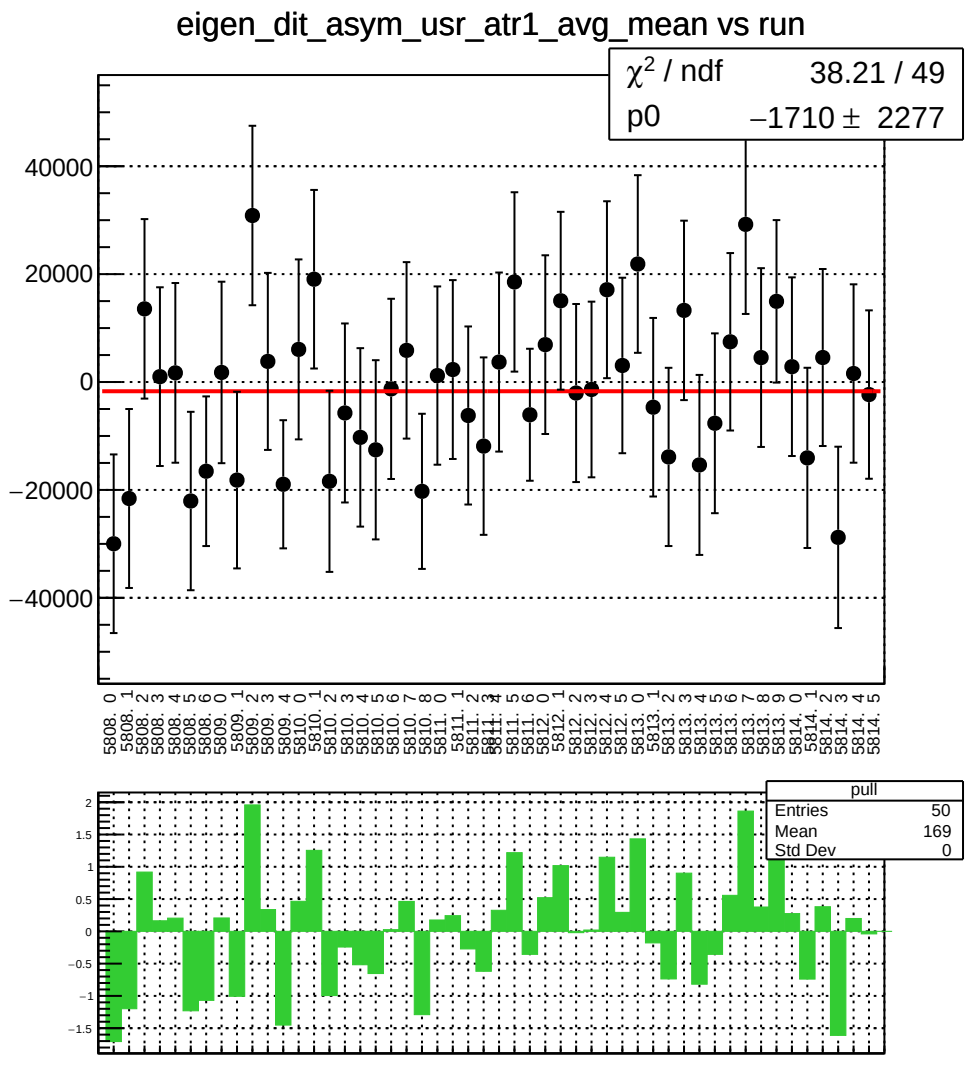
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 38.21 / 49
p0 −1710 ± 2277
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 169
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01894
Std Dev 0.874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 45.55 / 49
p0 1571 ± 1.61
1610
1600
1590
1580
1570
1560
1550
1540
1530
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 57.46 / 49
p0 2897 ± 1162
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −99.77
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01413
Std Dev 1.072
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_dit_correction_rms vs run
χ² / ndf 4800 / 49
p0 799.5 ± 0.8215
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 38.21 / 49
p0 −1710 ± 2277
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 169
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01894
Std Dev 0.874
14
12
10
8
6
4
2
0
−8
−6
−4
−2
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2
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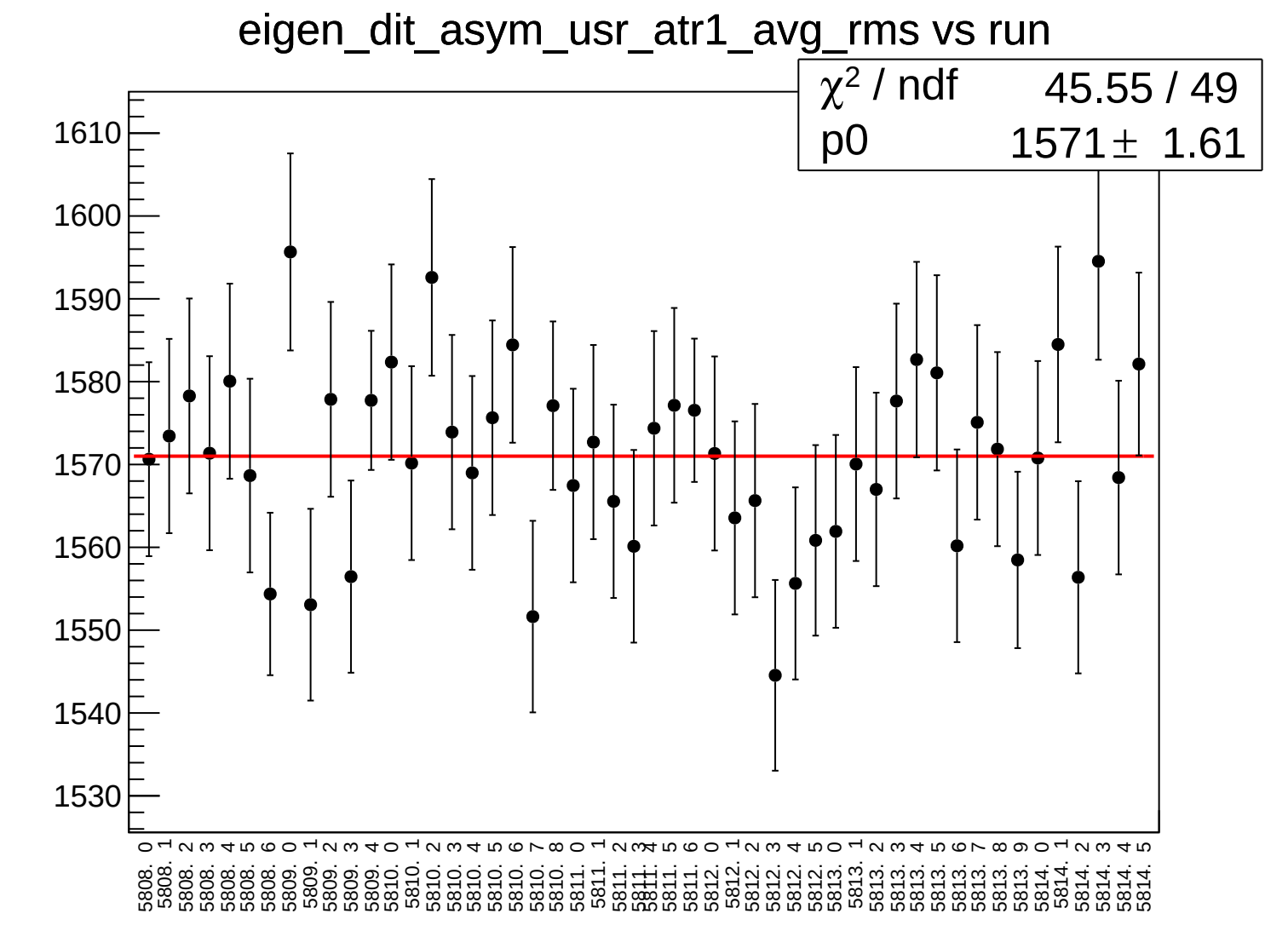
6
8


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 45.55 / 49
p0 1571 ± 1.61
1610
1600
1590
1580
1570
1560
1550
1540
1530
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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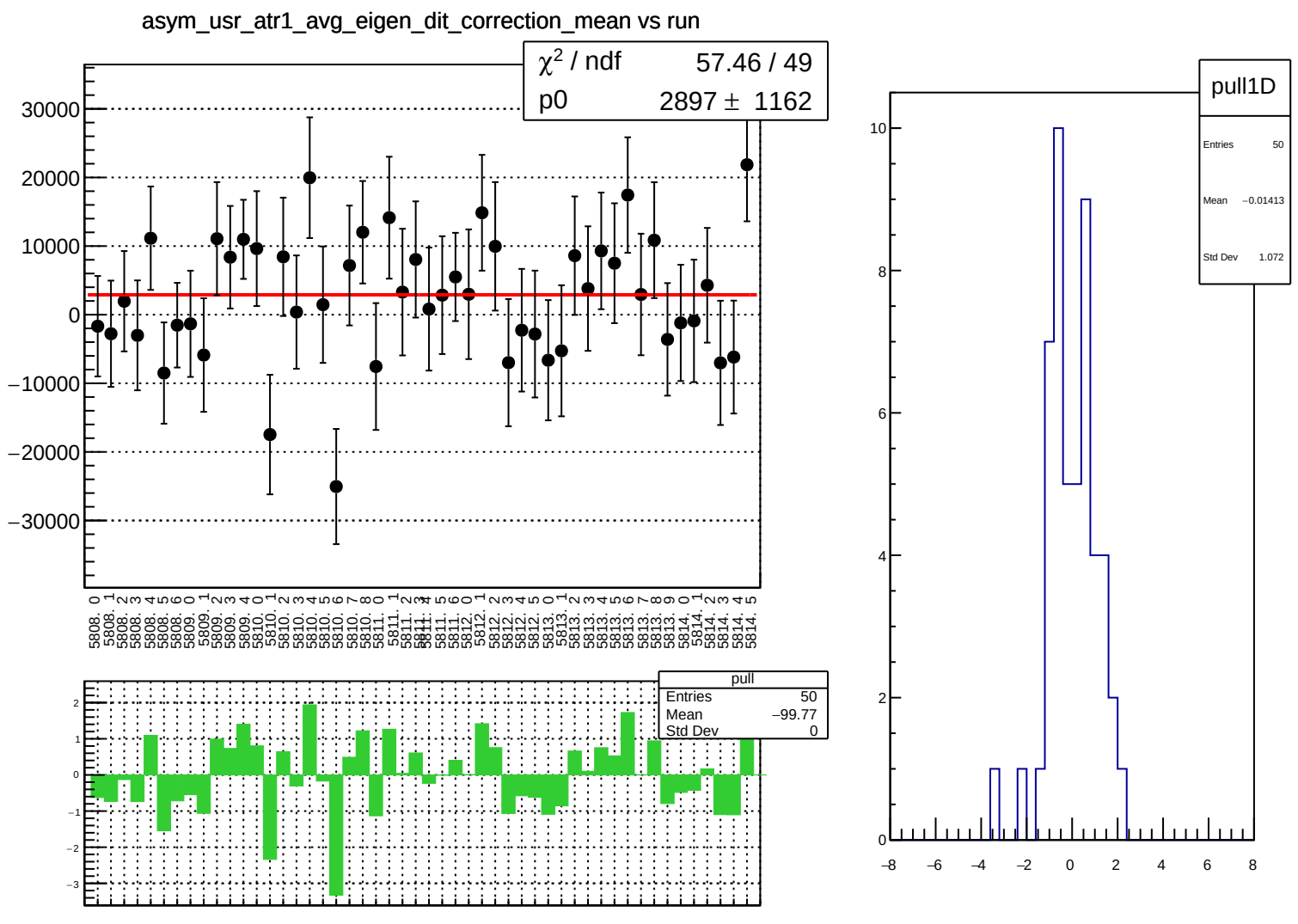
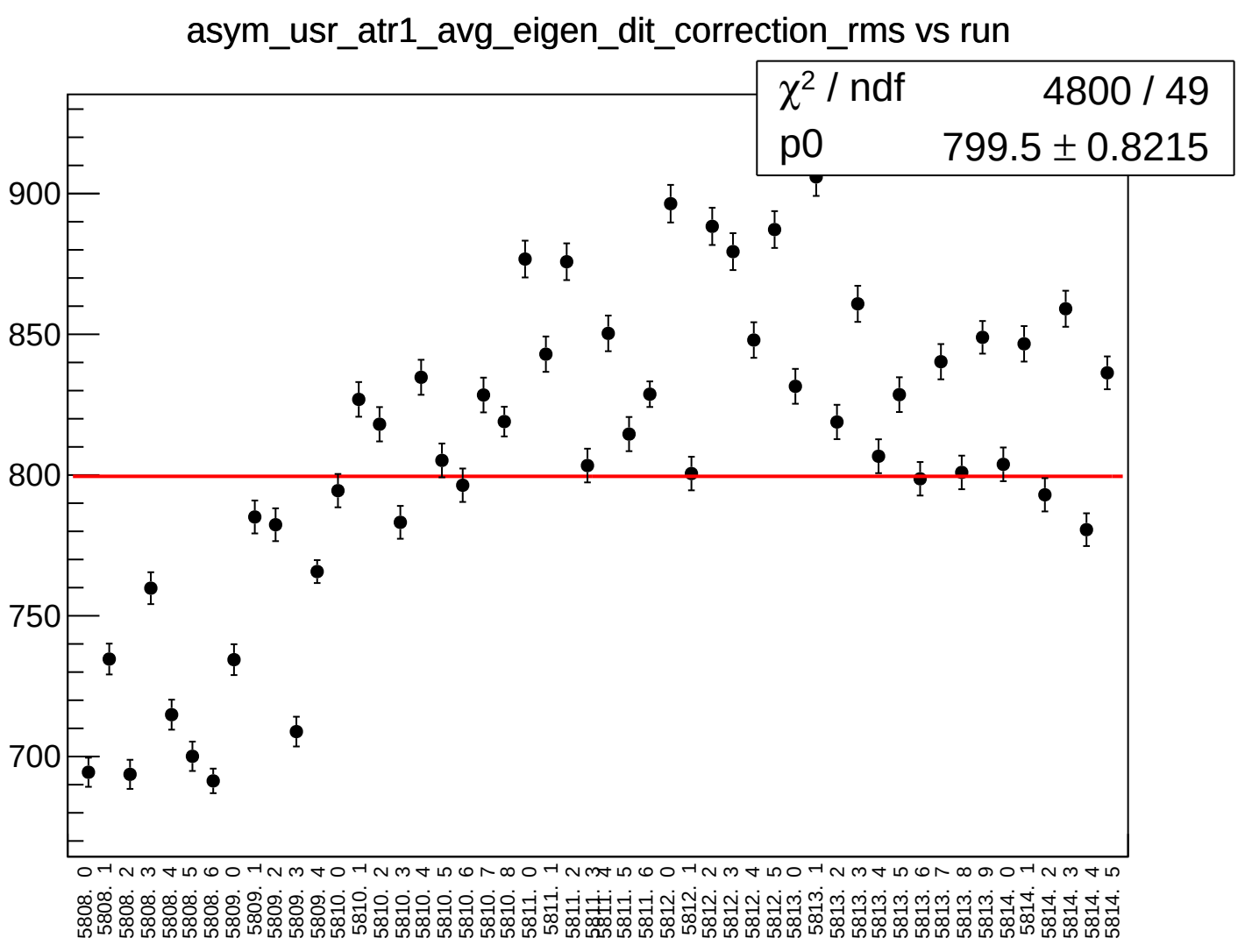
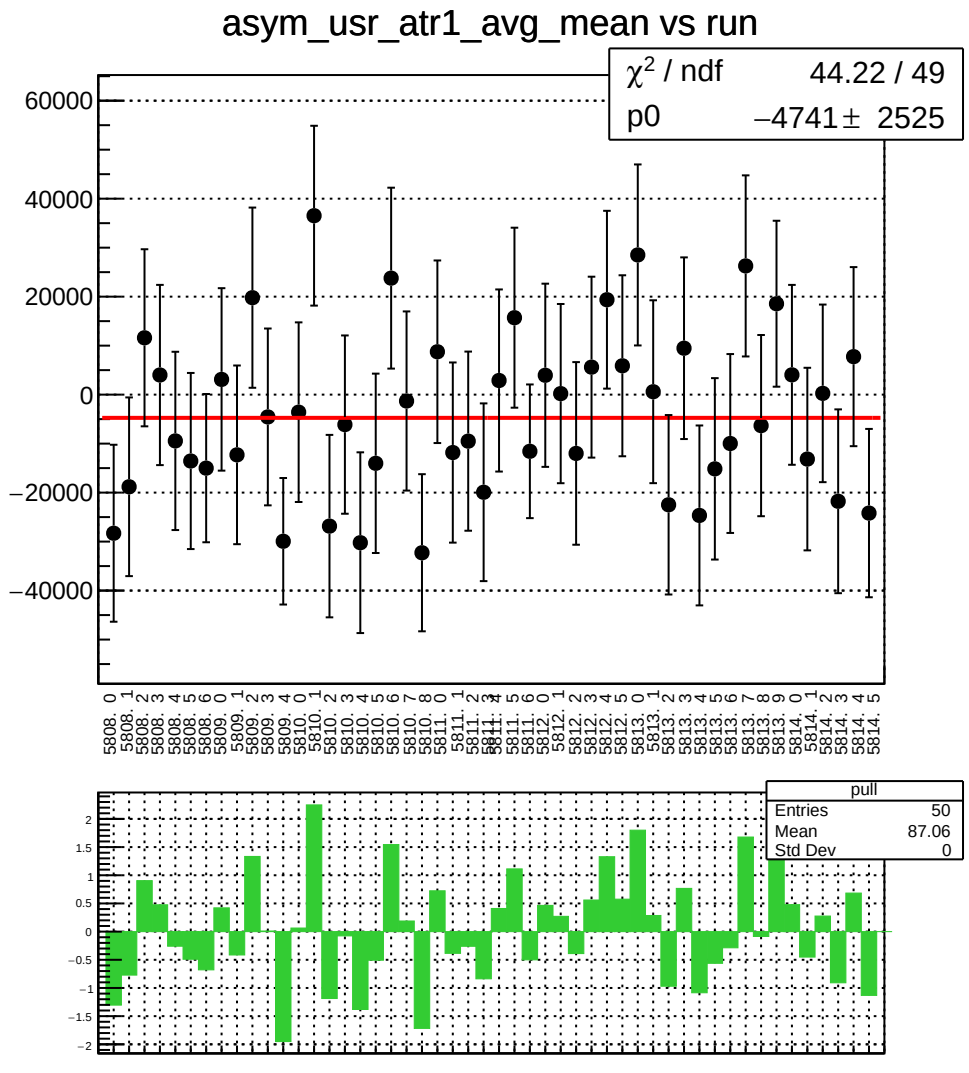
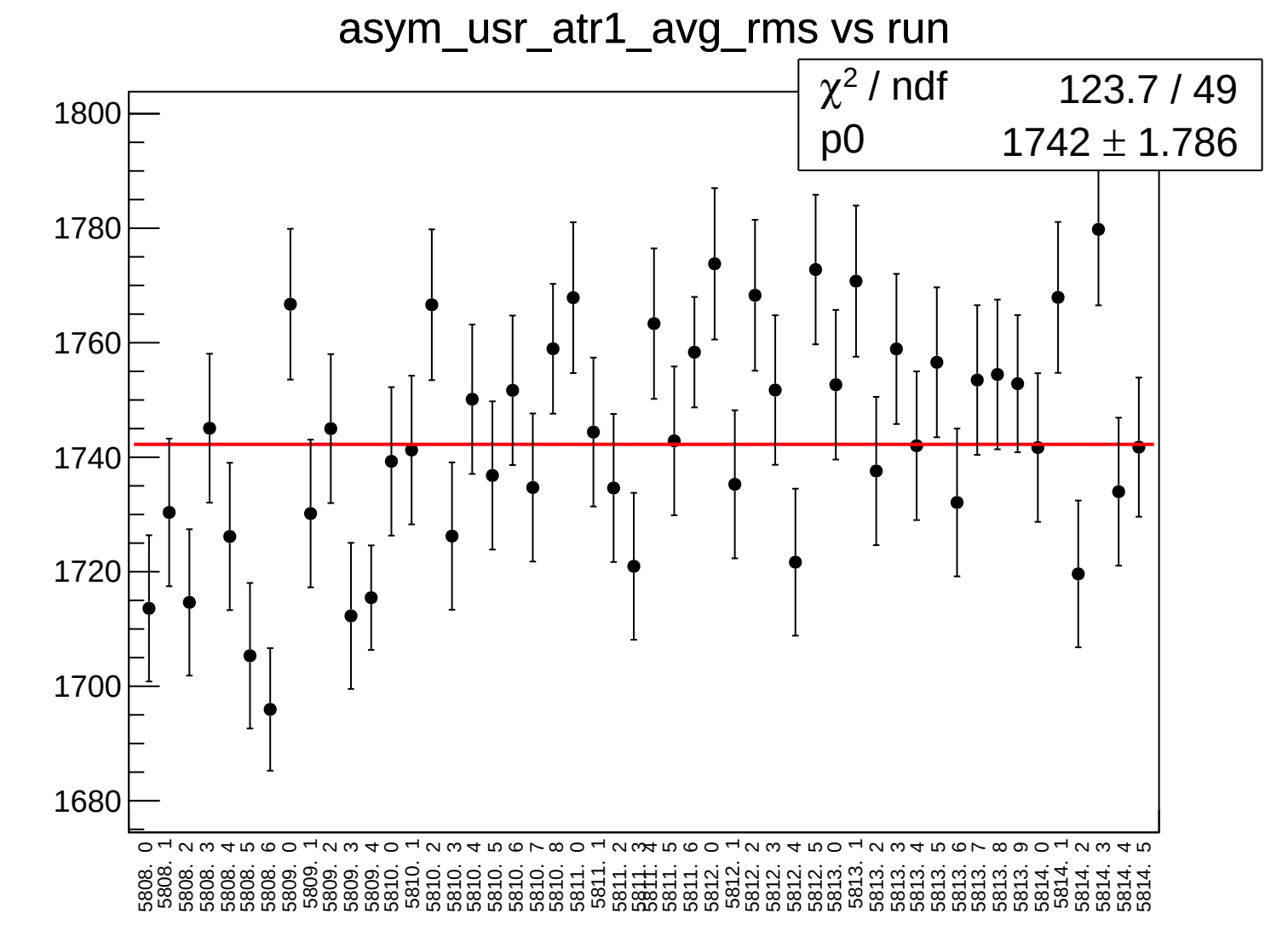
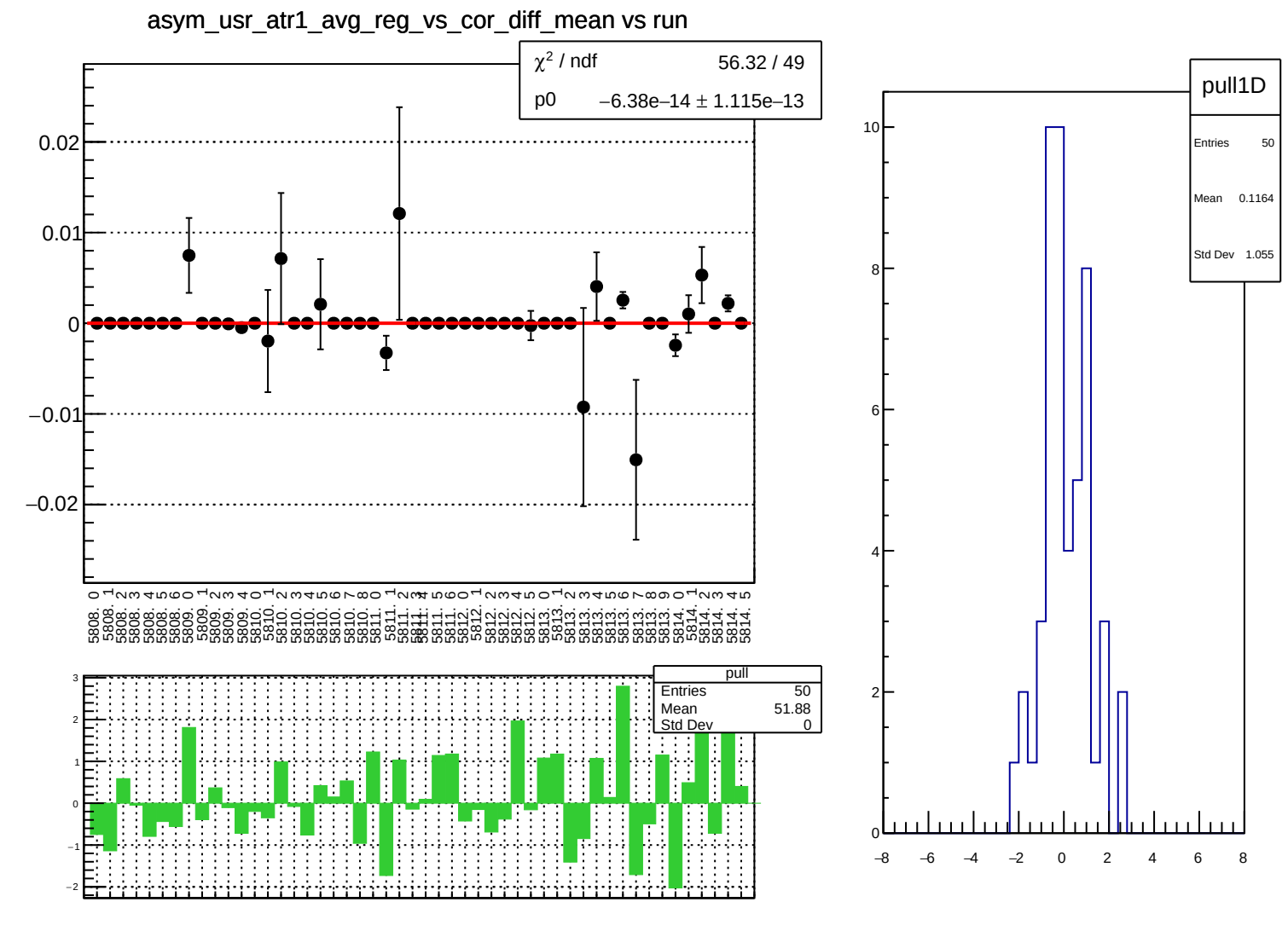
5814. 5

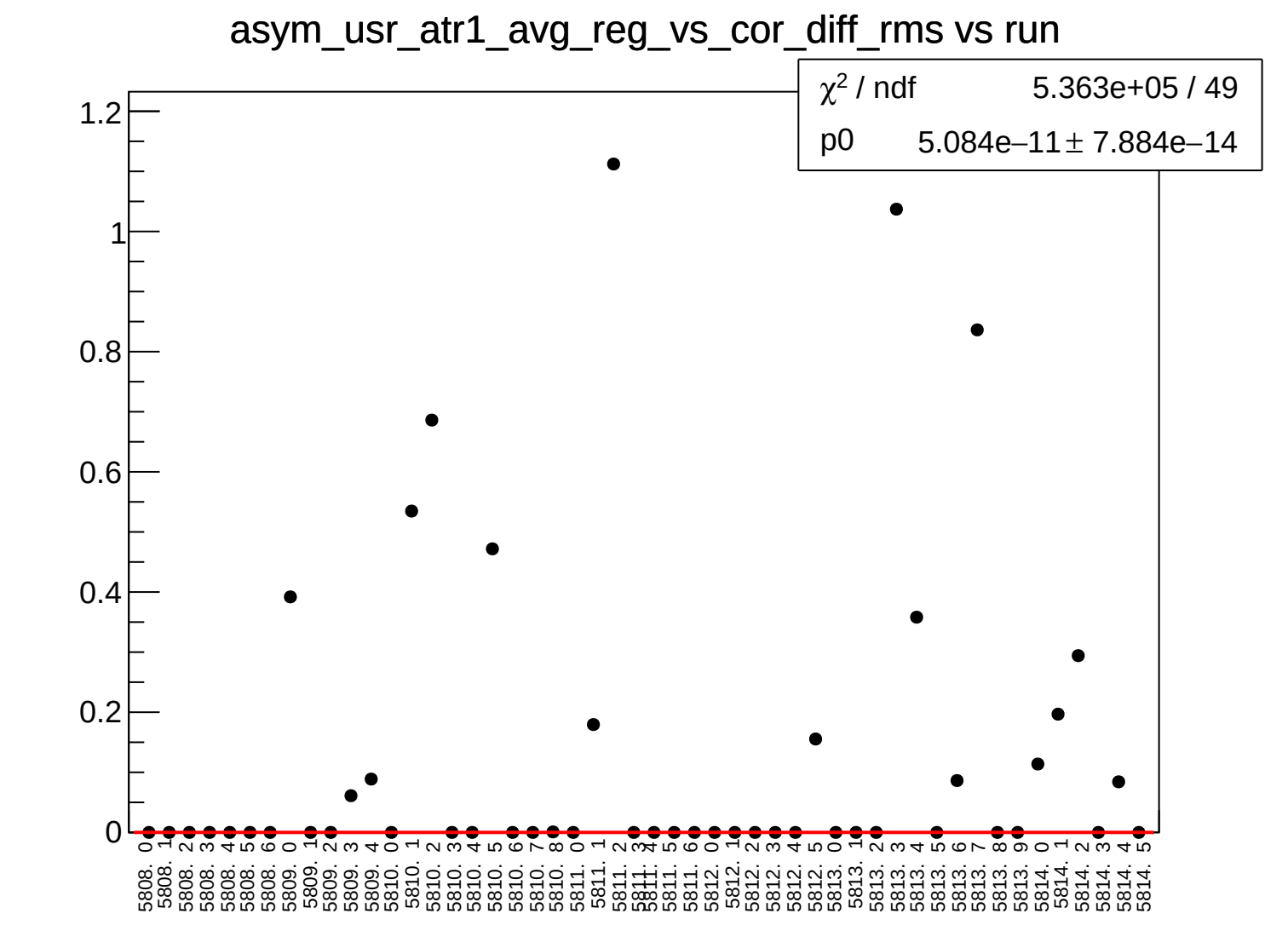

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 57.46 / 49
p0 2897 ± 1162
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −99.77
Std Dev 0
pull1D
Entries 50
Mean −0.01413
Std Dev 1.072


asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 4800 / 49
p0 799.5 ± 0.8215
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_avg_mean vs run
χ² / ndf 44.22 / 49
p0 −4741 ± 2525
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 87.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02789
Std Dev 0.94
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_rms vs run
χ² / ndf 123.7 / 49
p0 1742 ± 1.786
1800
1780
1760
1740
1720
1700
1680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.32 / 49
p0 −6.38e−14 ± 1.115e−13
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean 51.88
Std Dev 0
pull1D
Entries 50
Mean 0.1164
Std Dev 1.055


asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.363e+05 / 49
p0 5.084e−11 ± 7.884e−14
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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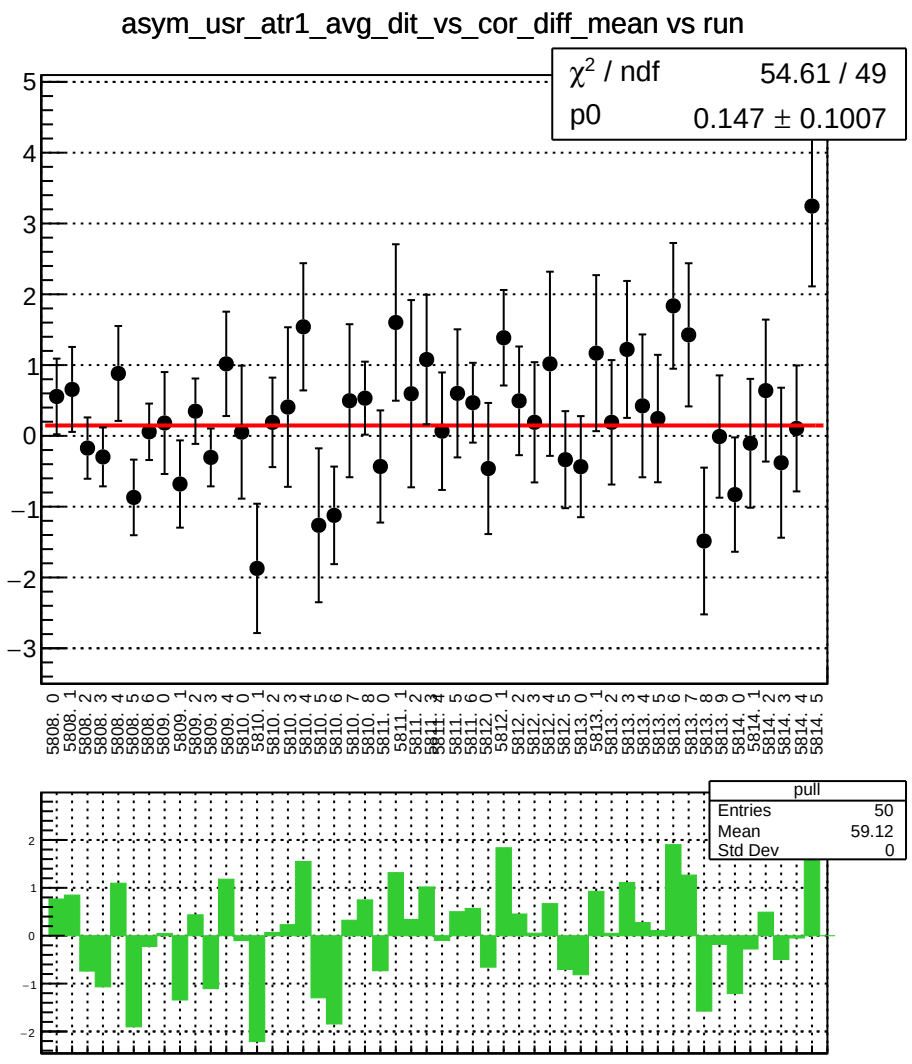
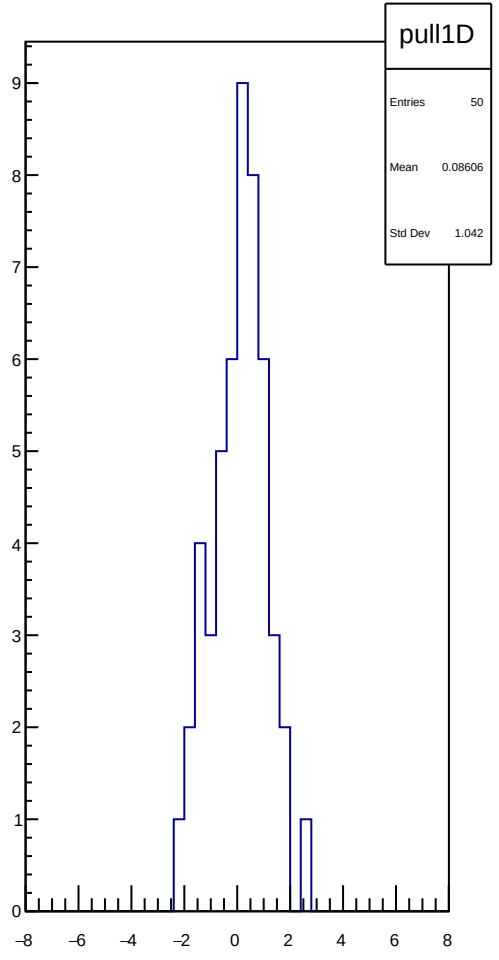
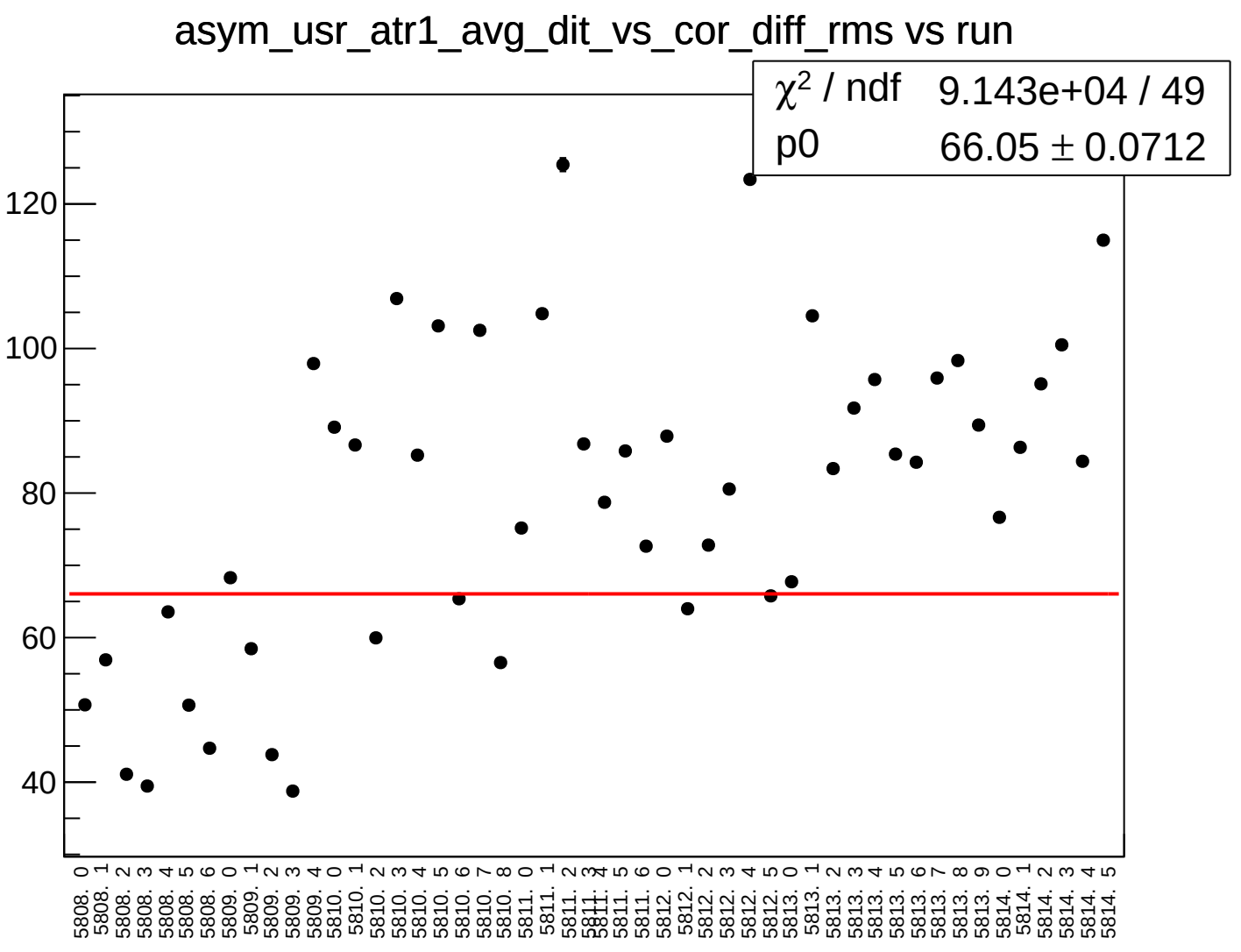
5814. 5


asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.61 / 49
p0 0.147 ± 0.1007
pull
Entries 50
Mean 59.12
Std Dev 0


pull1D
Entries 50
Mean 0.08606
Std Dev 1.042


asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.143e+04 / 49
p0 66.05 ± 0.0712
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5813. 4
5813. 5
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5814. 0
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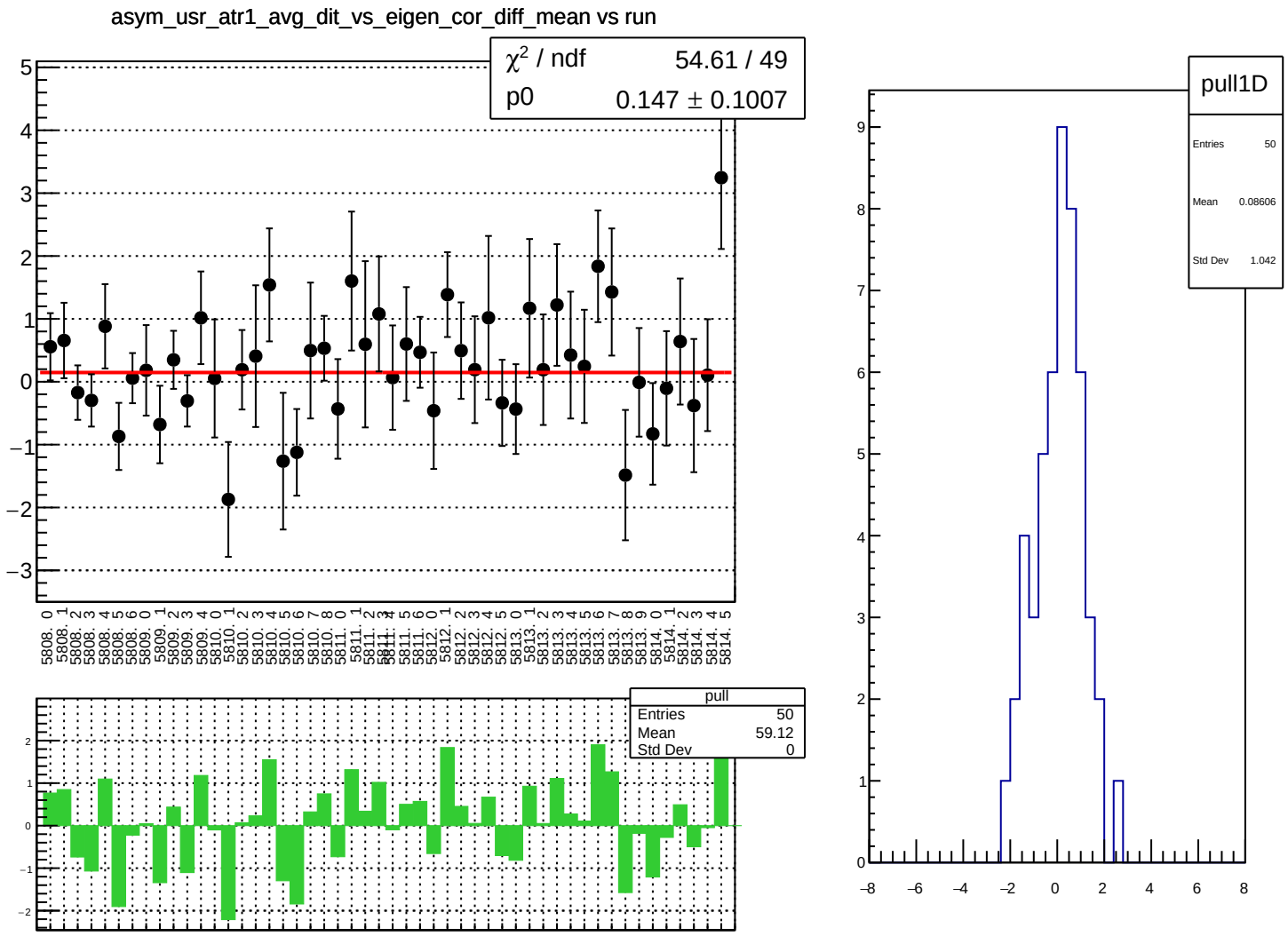
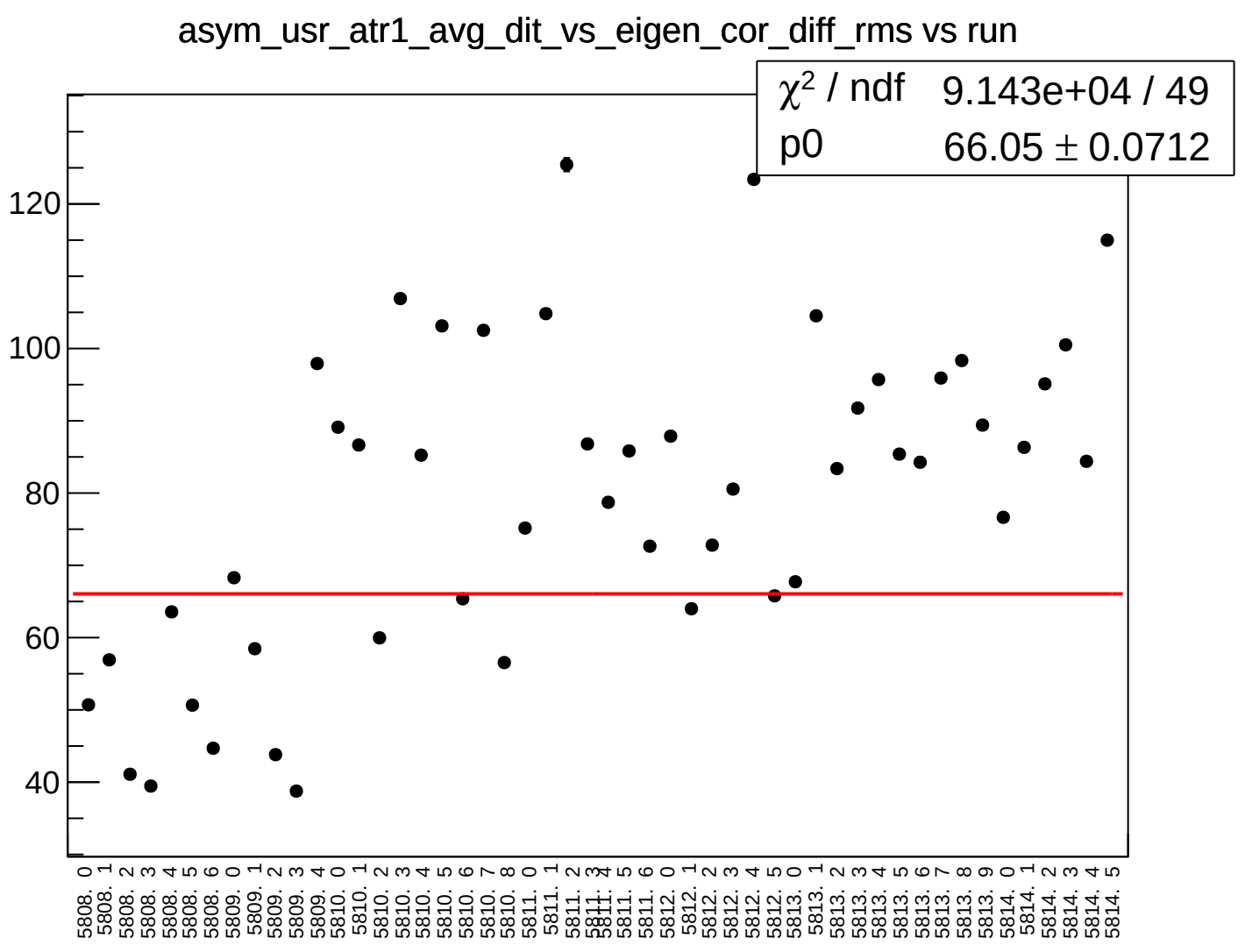
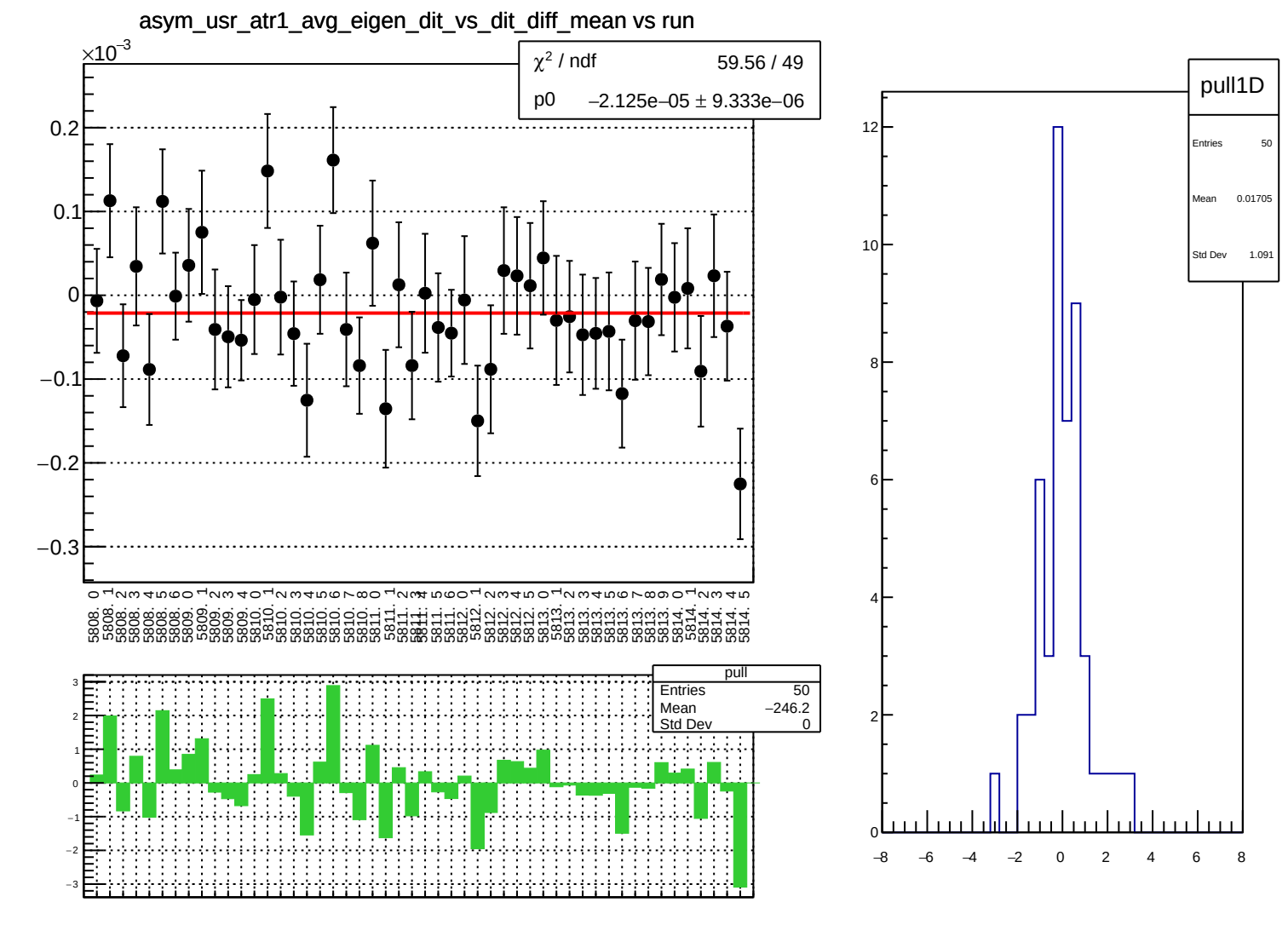
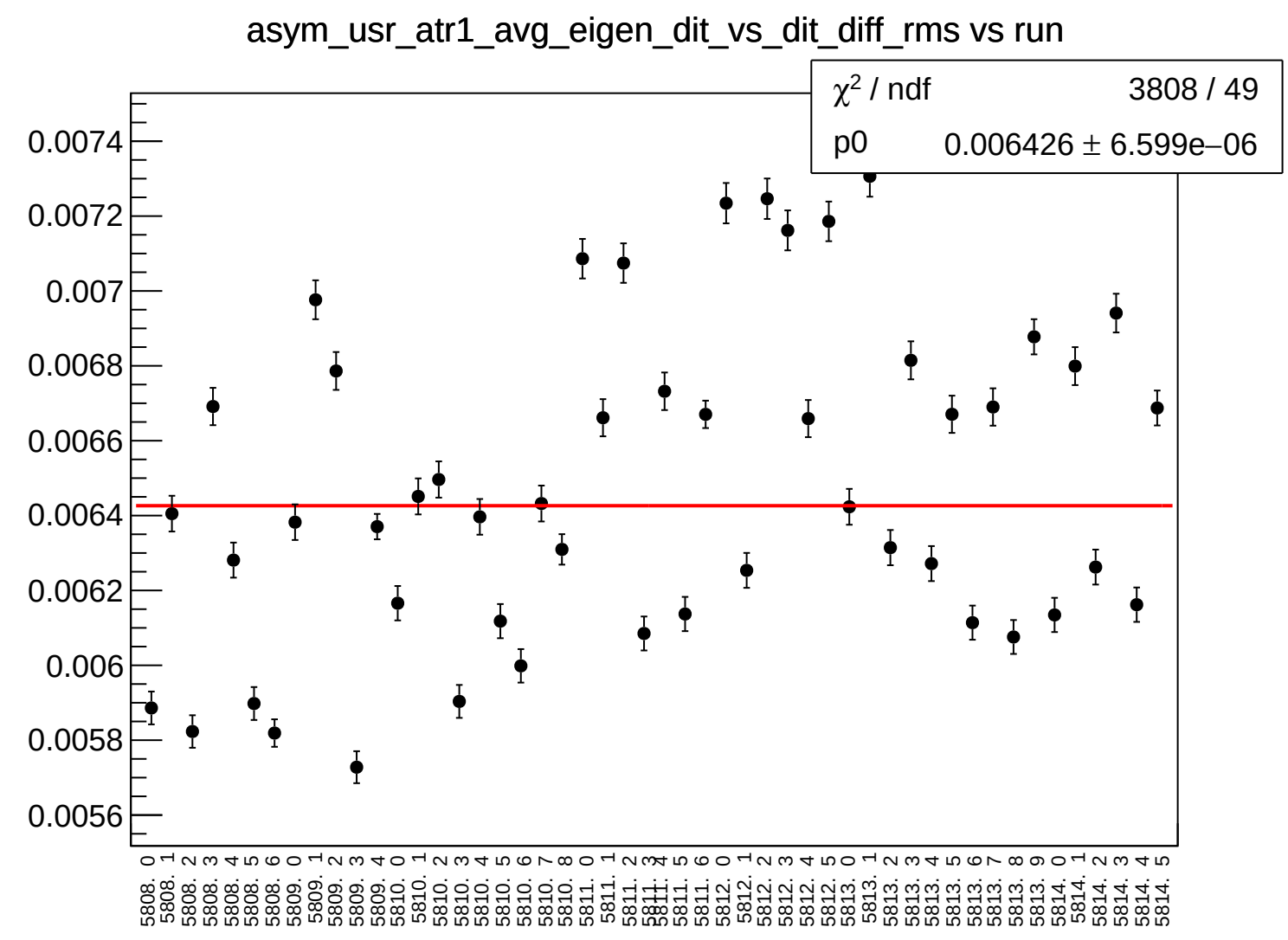
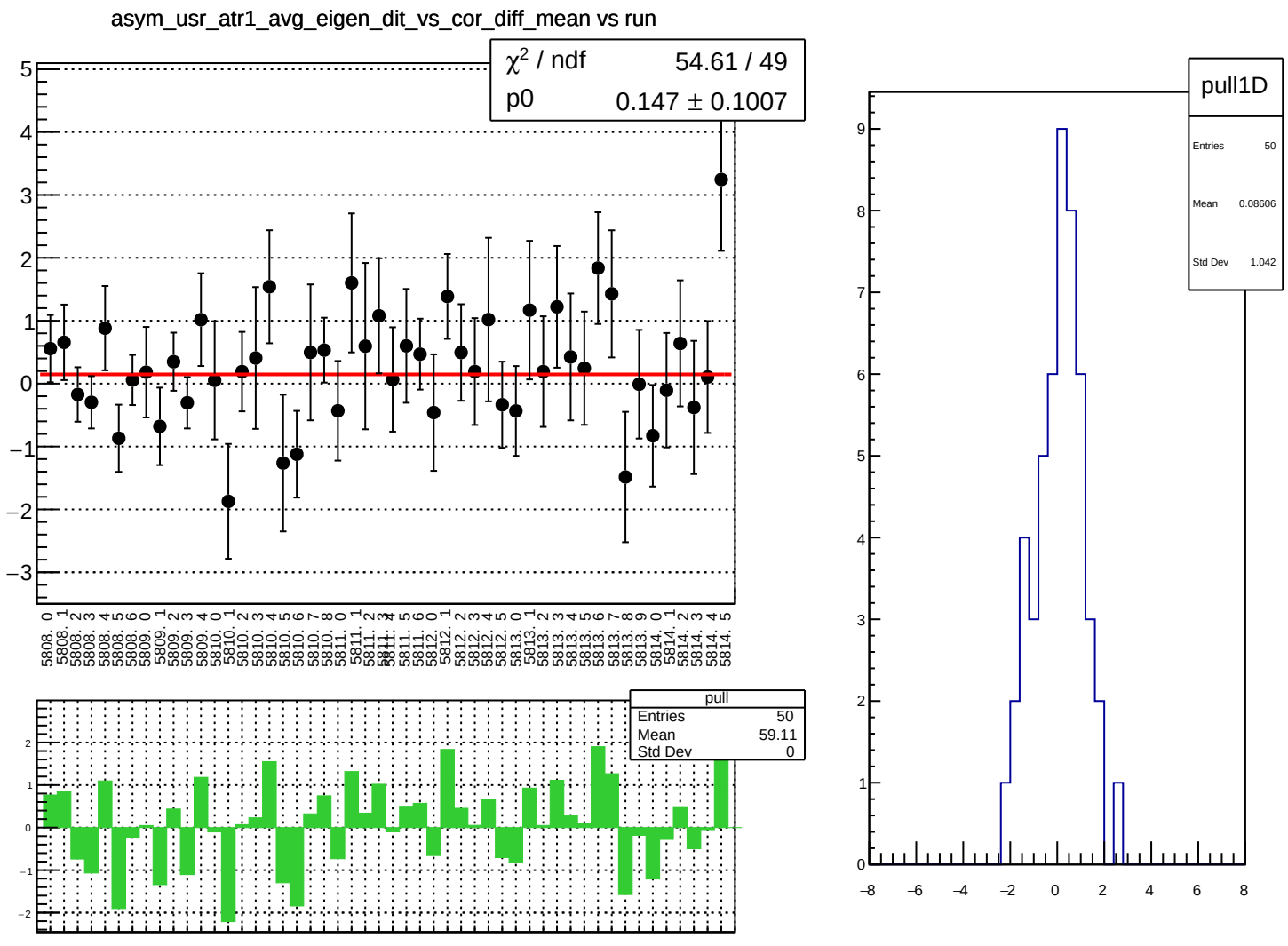
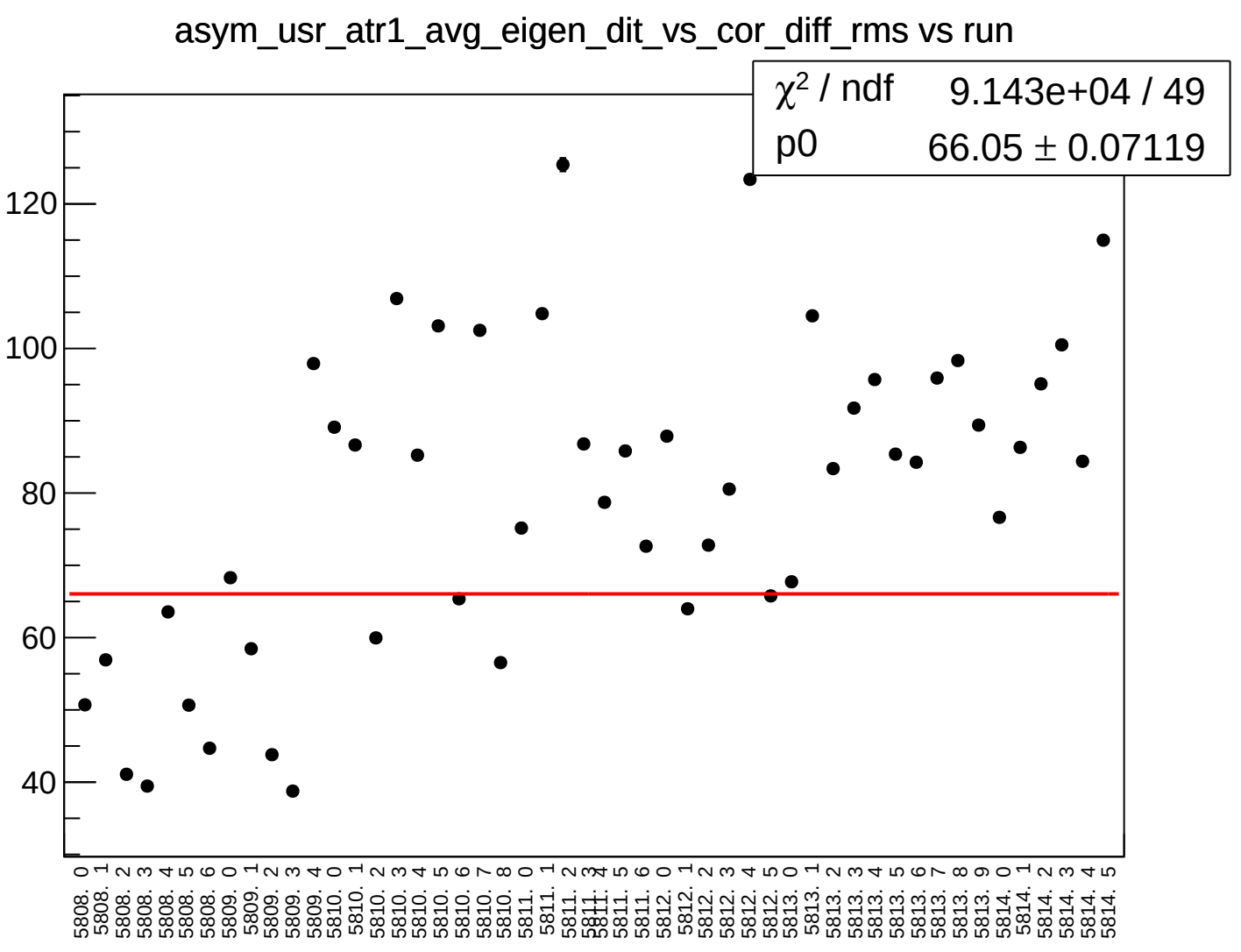

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.61 / 49
p0 0.147 ± 0.1007
pull
Entries 50
Mean 59.12
Std Dev 0
pull1D
Entries 50
Mean 0.08606
Std Dev 1.042

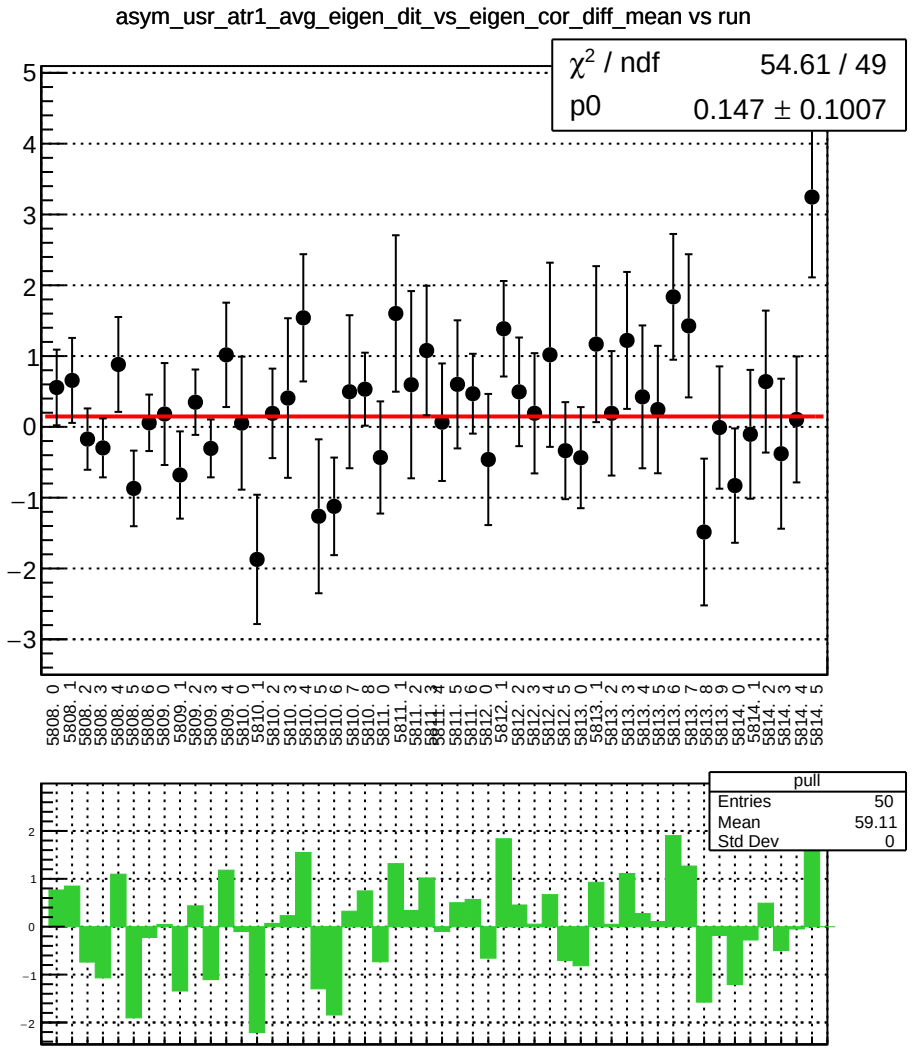

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.143e+04 / 49
p0 66.05 ± 0.0712
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

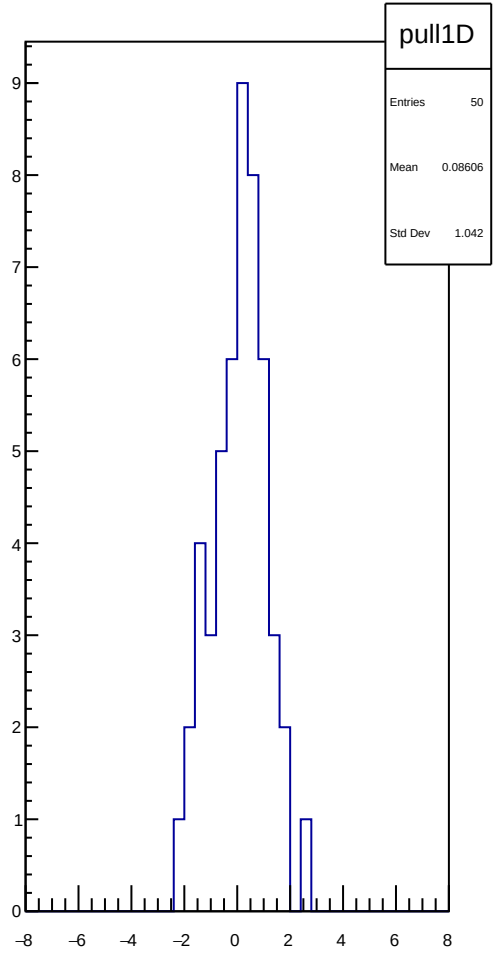

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.56 / 49
p0 −2.125e−05 ± 9.333e−06
pull
Entries 50
Mean −246.2
Std Dev 0
pull1D
Entries 50
Mean 0.01705
Std Dev 1.091

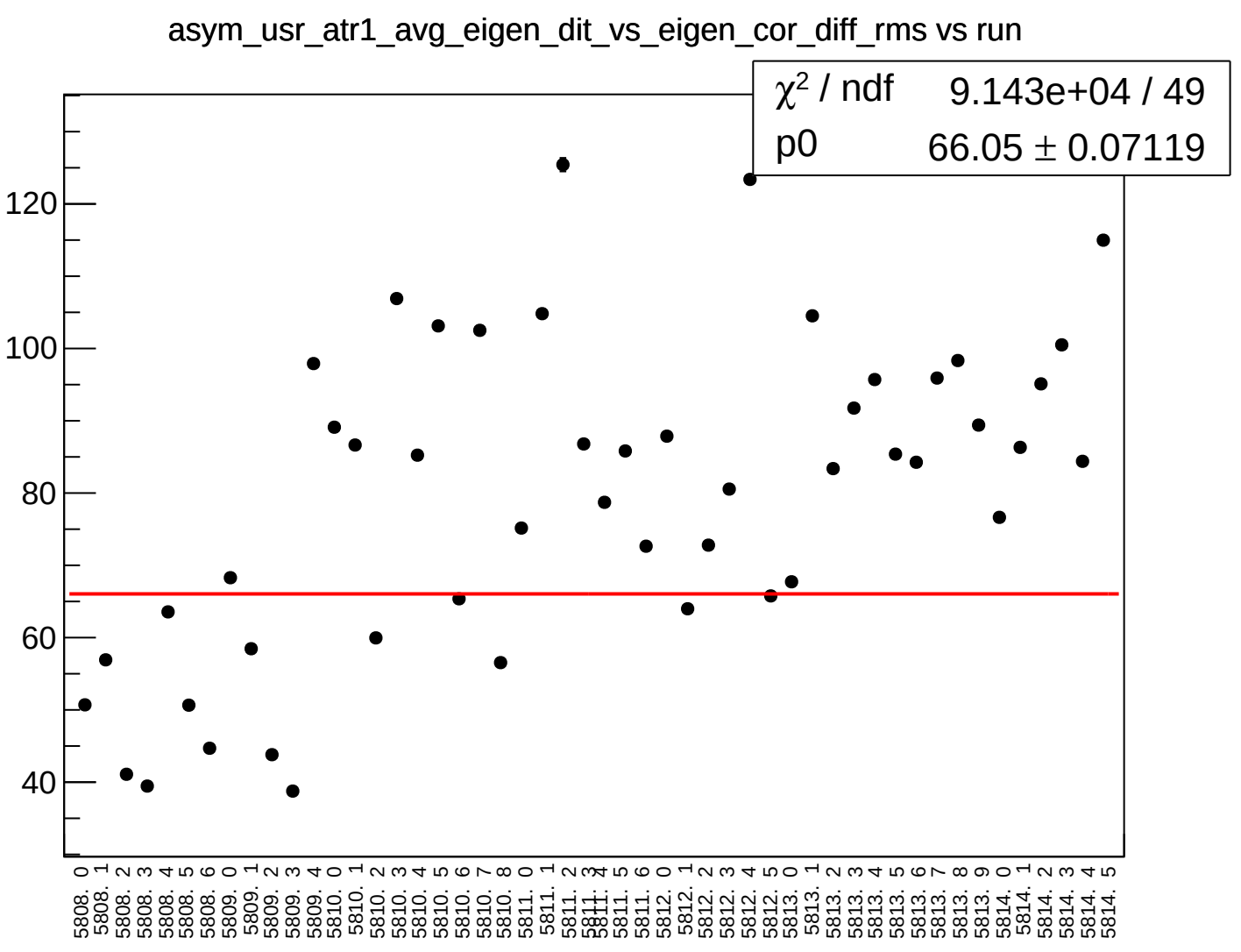

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3808 / 49
p0 0.006426 ± 6.599e−06
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

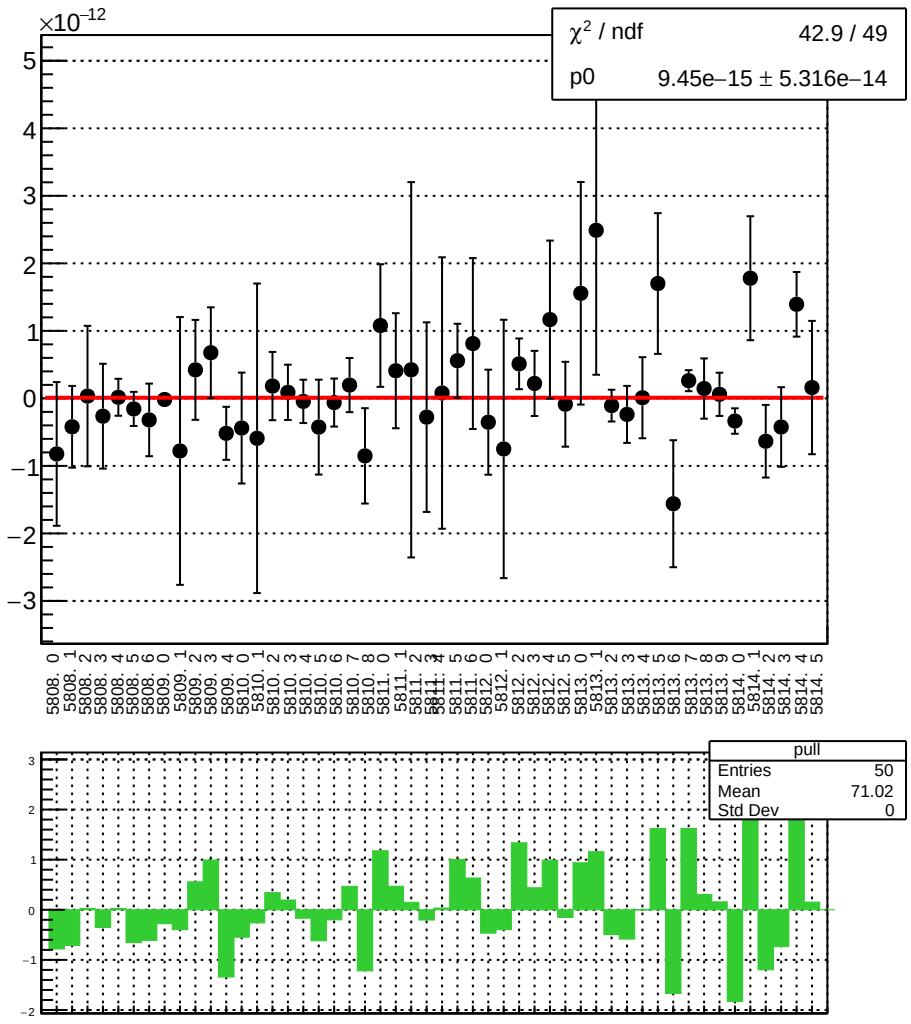

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.61 / 49
p0 0.147 ± 0.1007
pull
Entries 50
Mean 59.11
Std Dev 0
pull1D
Entries 50
Mean 0.08606
Std Dev 1.042

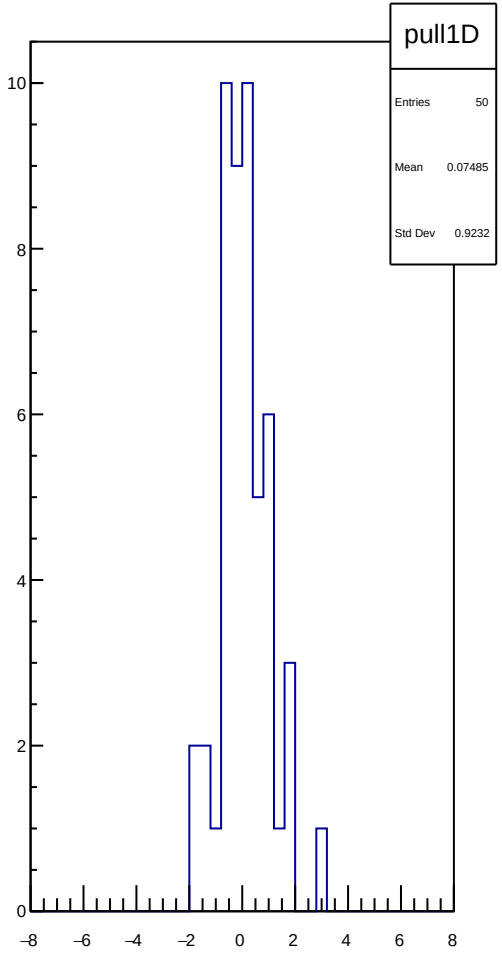

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.143e+04 / 49
p0 66.05 ± 0.07119
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

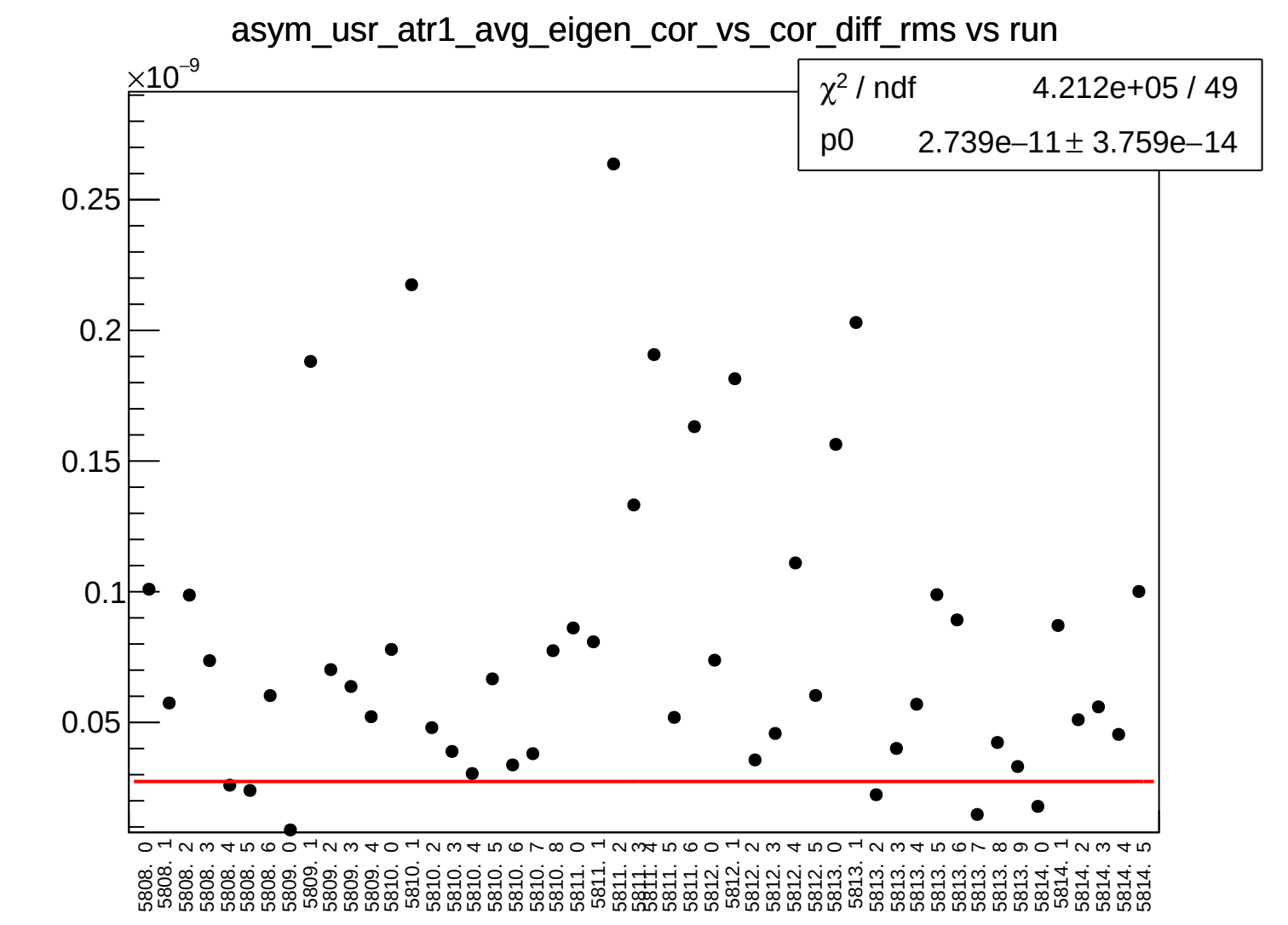

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.61 / 49
p0 0.147 ± 0.1007
pull
Entries 50
Mean 59.11
Std Dev 0

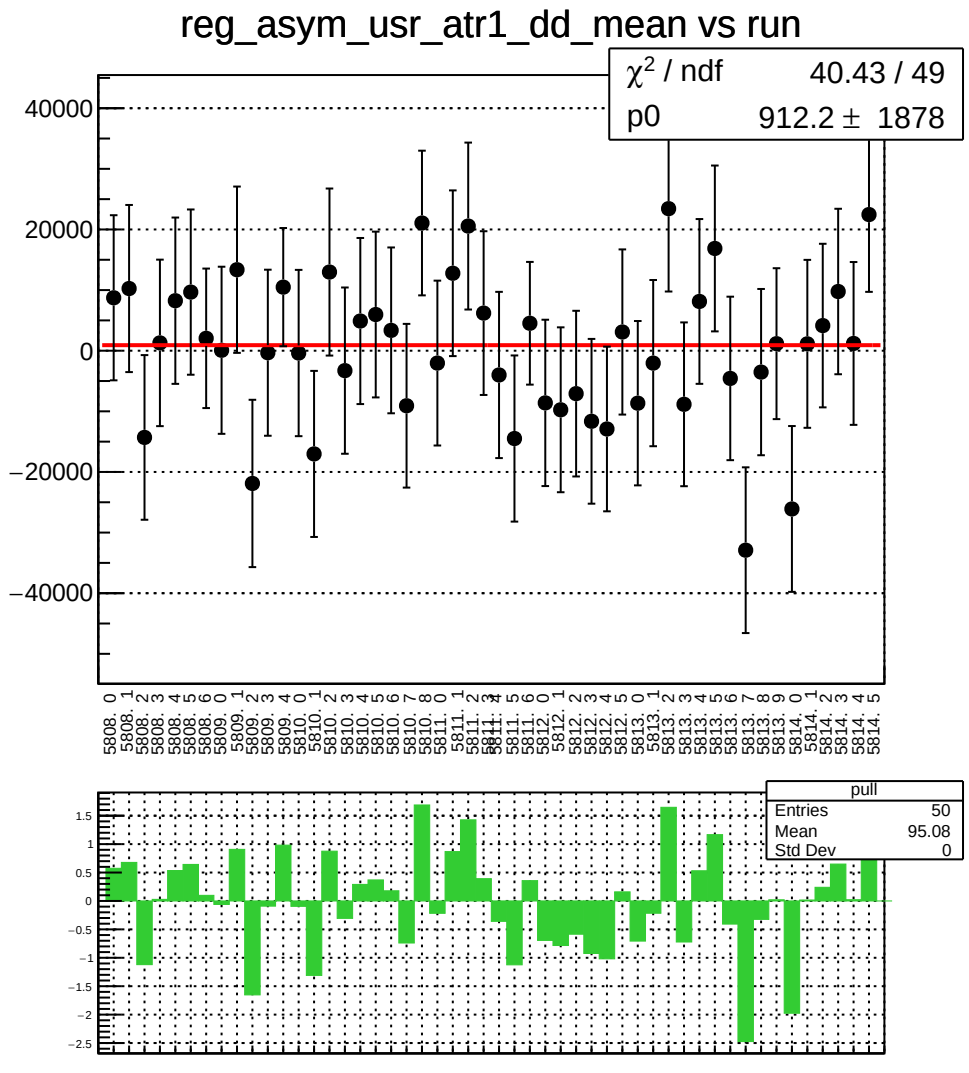

pull1D
Entries 50
Mean 0.08606
Std Dev 1.042

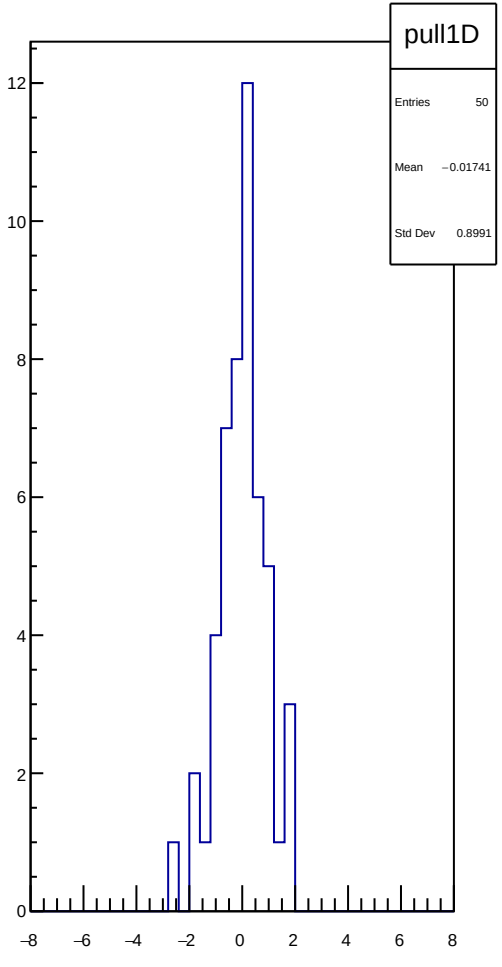

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.143e+04 / 49
p0 66.05 ± 0.07119
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

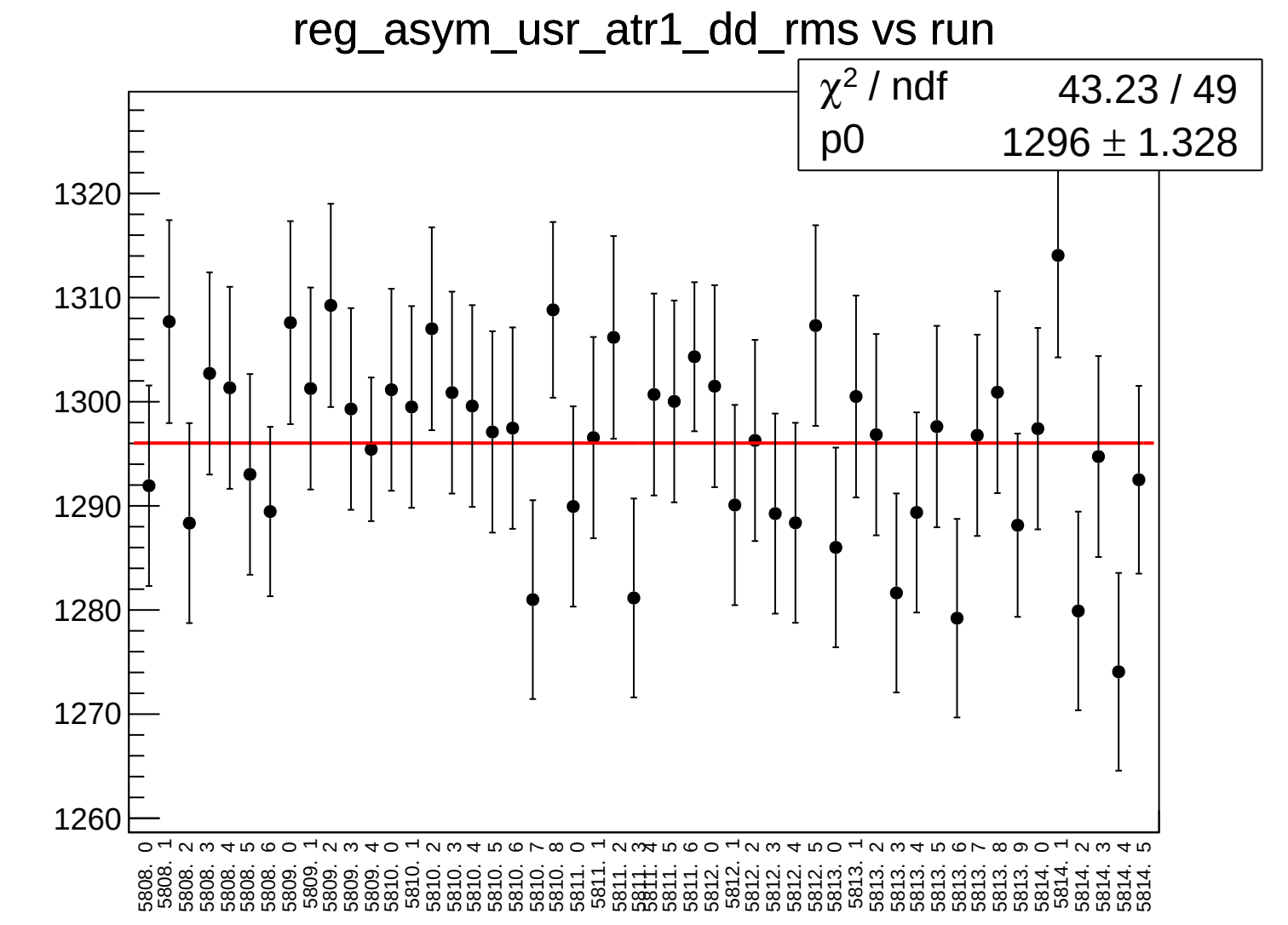

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.9 / 49
p0 9.45e−15 ± 5.316e−14
pull
Entries 50
Mean 71.02
Std Dev 0

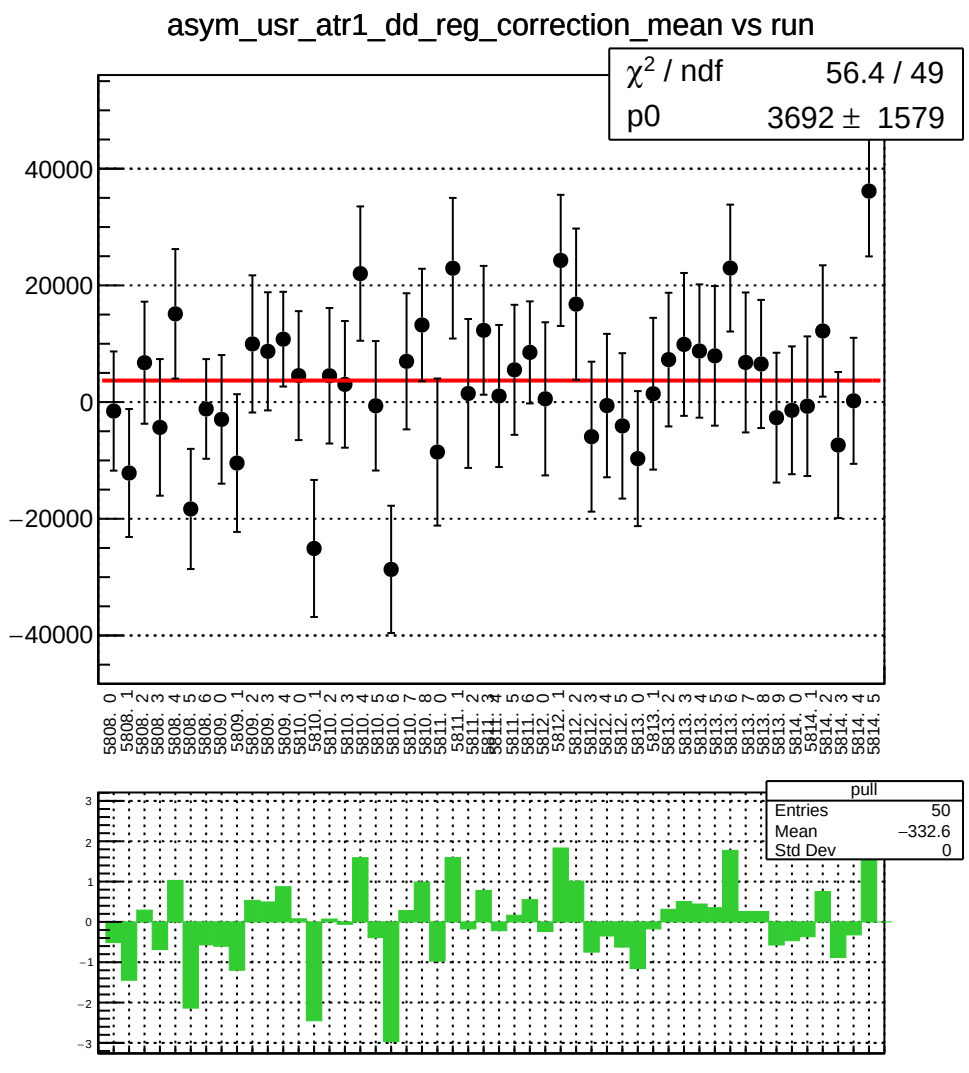

pull1D
Entries 50
Mean 0.07485
Std Dev 0.9232

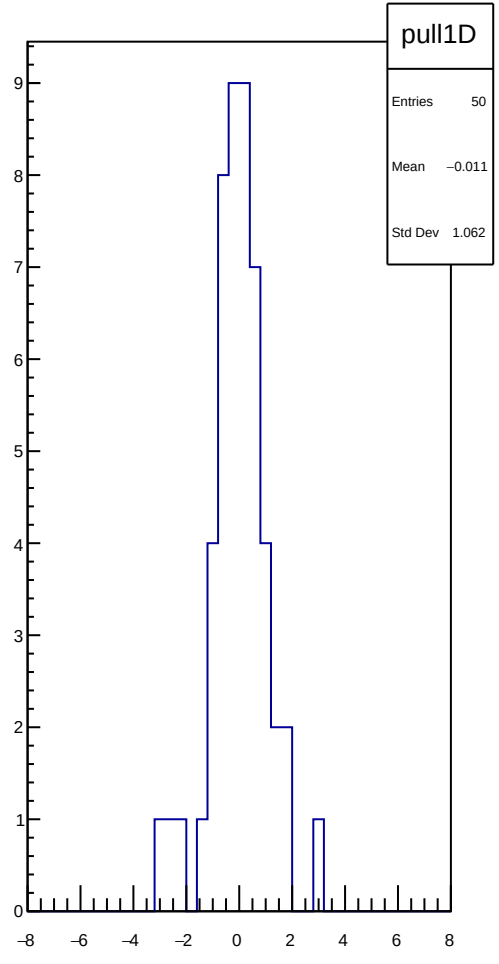

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.212e+05 / 49
p0 2.739e−11 ± 3.759e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

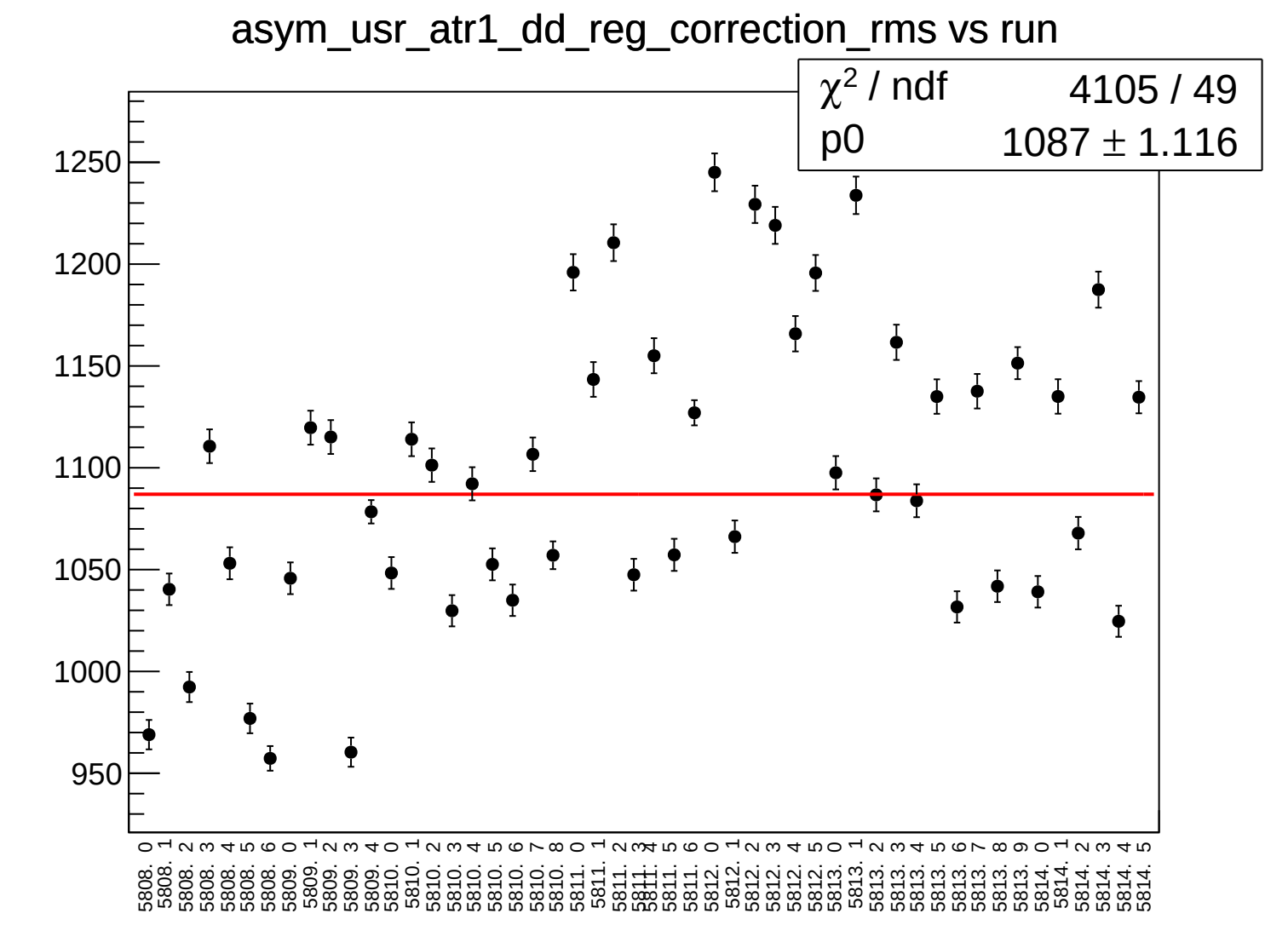

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.43 / 49
p0 912.2 ± 1878
40000
20000
0
−20000
−40000
pull
Entries 50
Mean 95.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

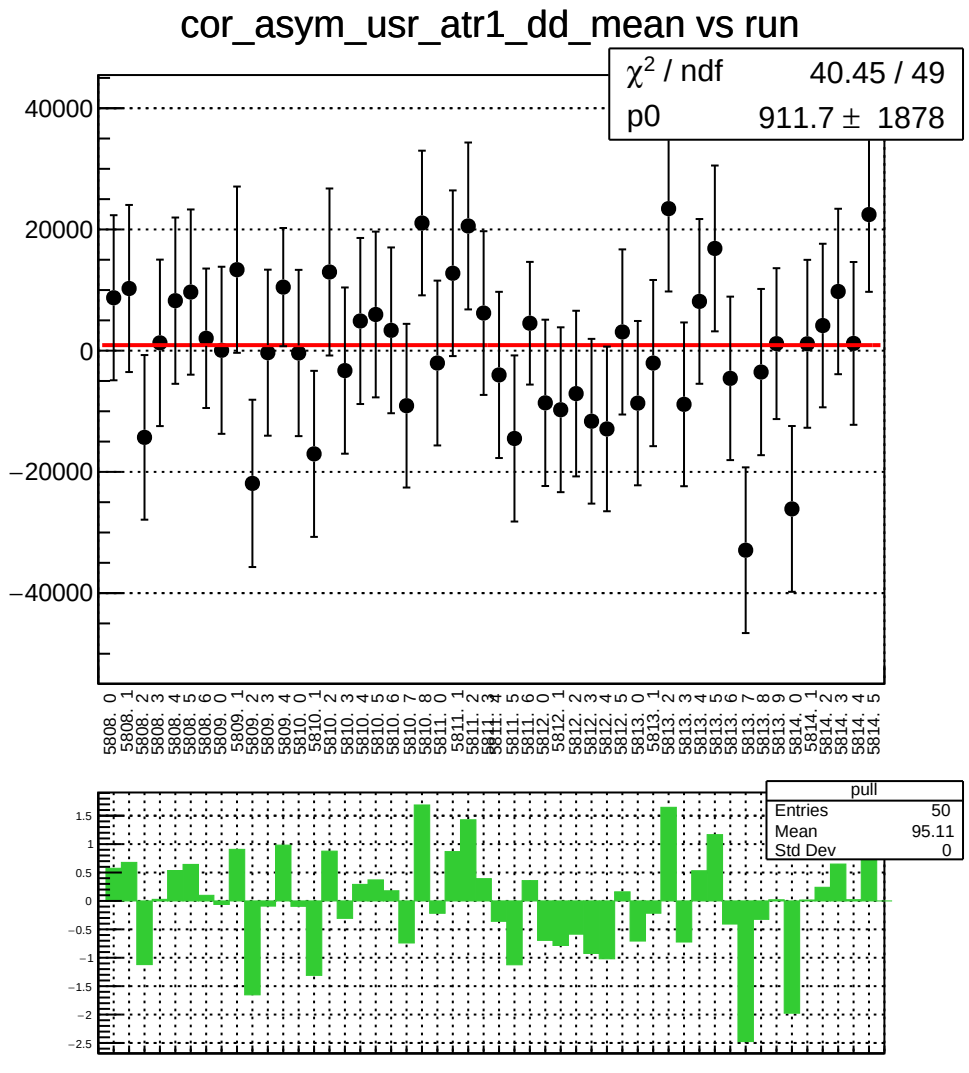

pull1D
Entries 50
Mean −0.01741
Std Dev 0.8991
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

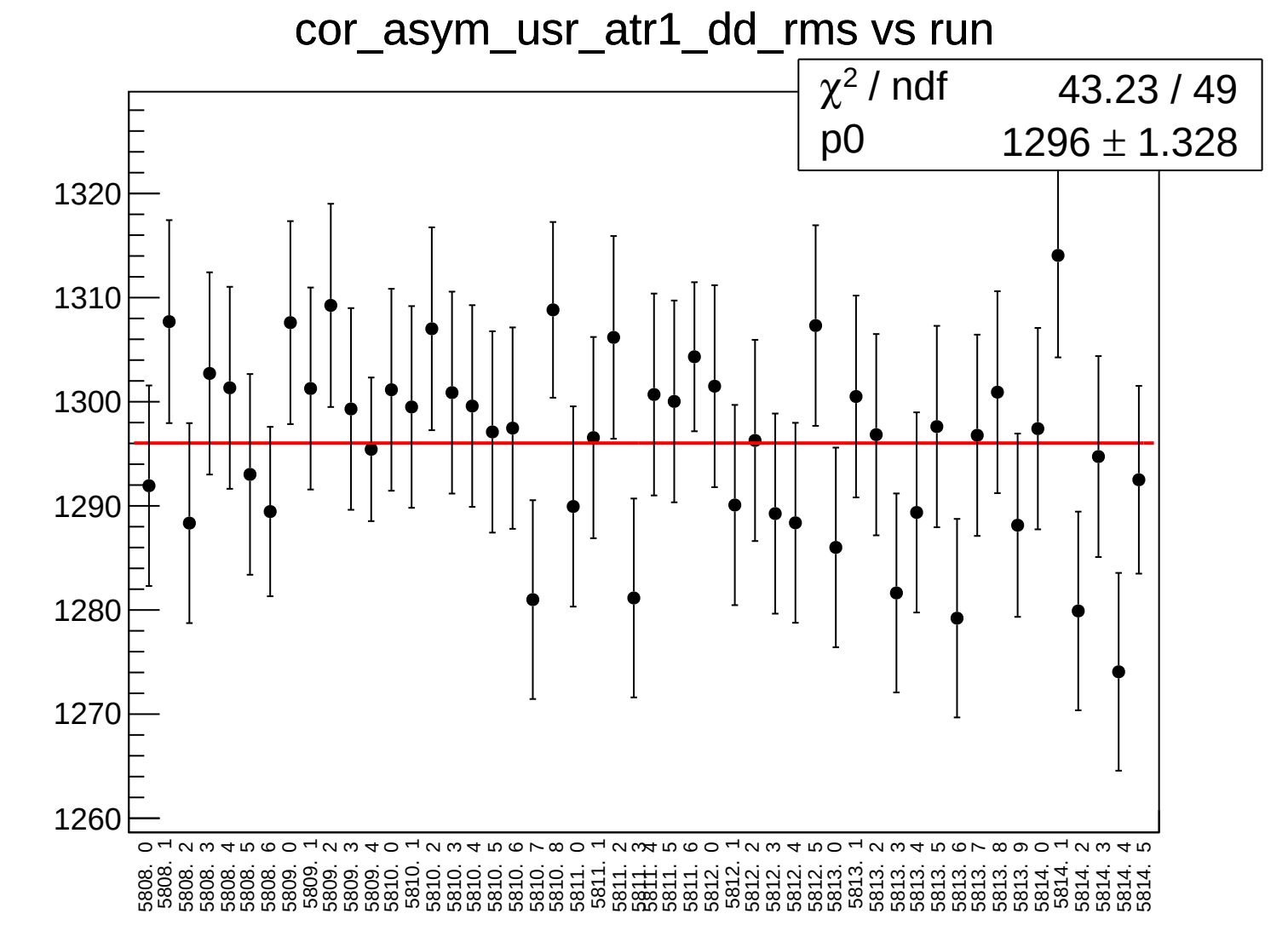

reg_asym_usr_atr1_dd_rms vs run
χ² / ndf 43.23 / 49
p0 1296 ± 1.328
1320
1310
1300
1290
1280
1270
1260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

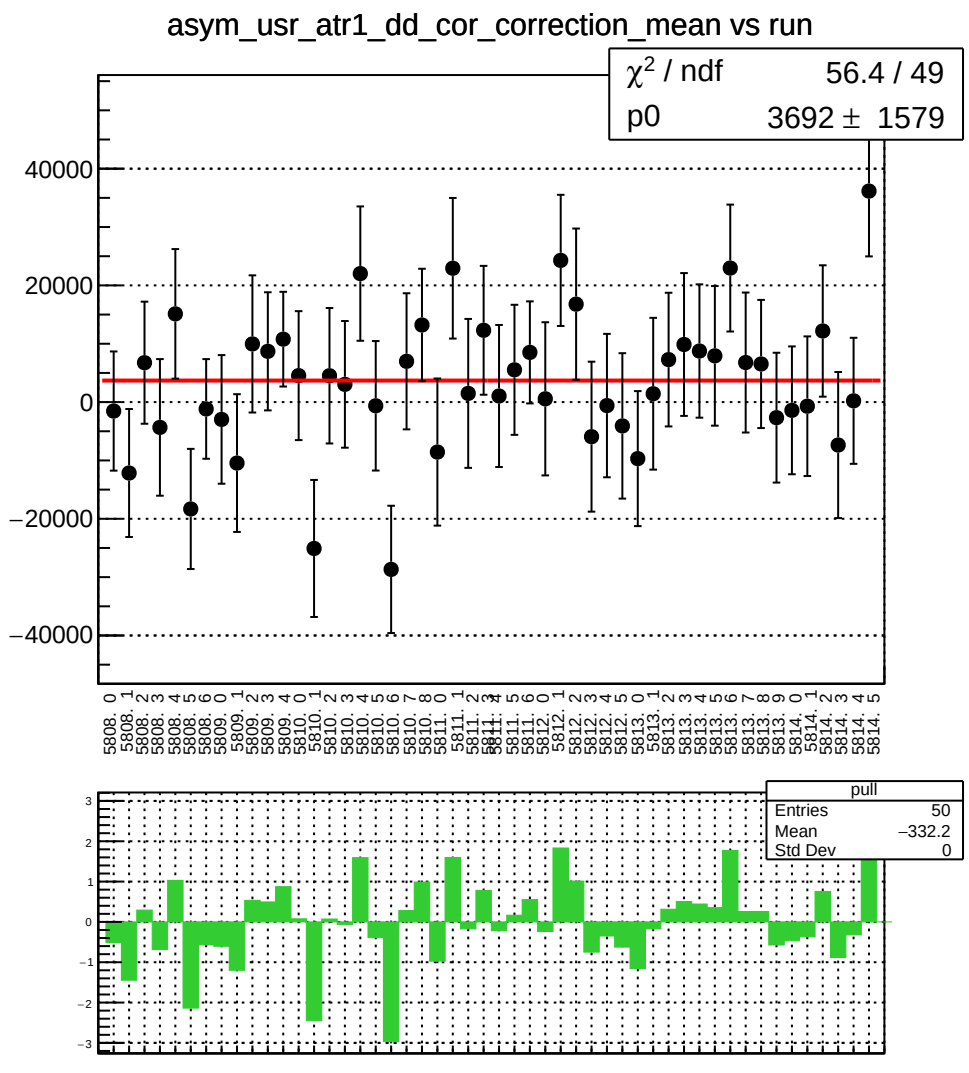

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 56.4 / 49
p0 3692 ± 1579
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −332.6
Std Dev 0

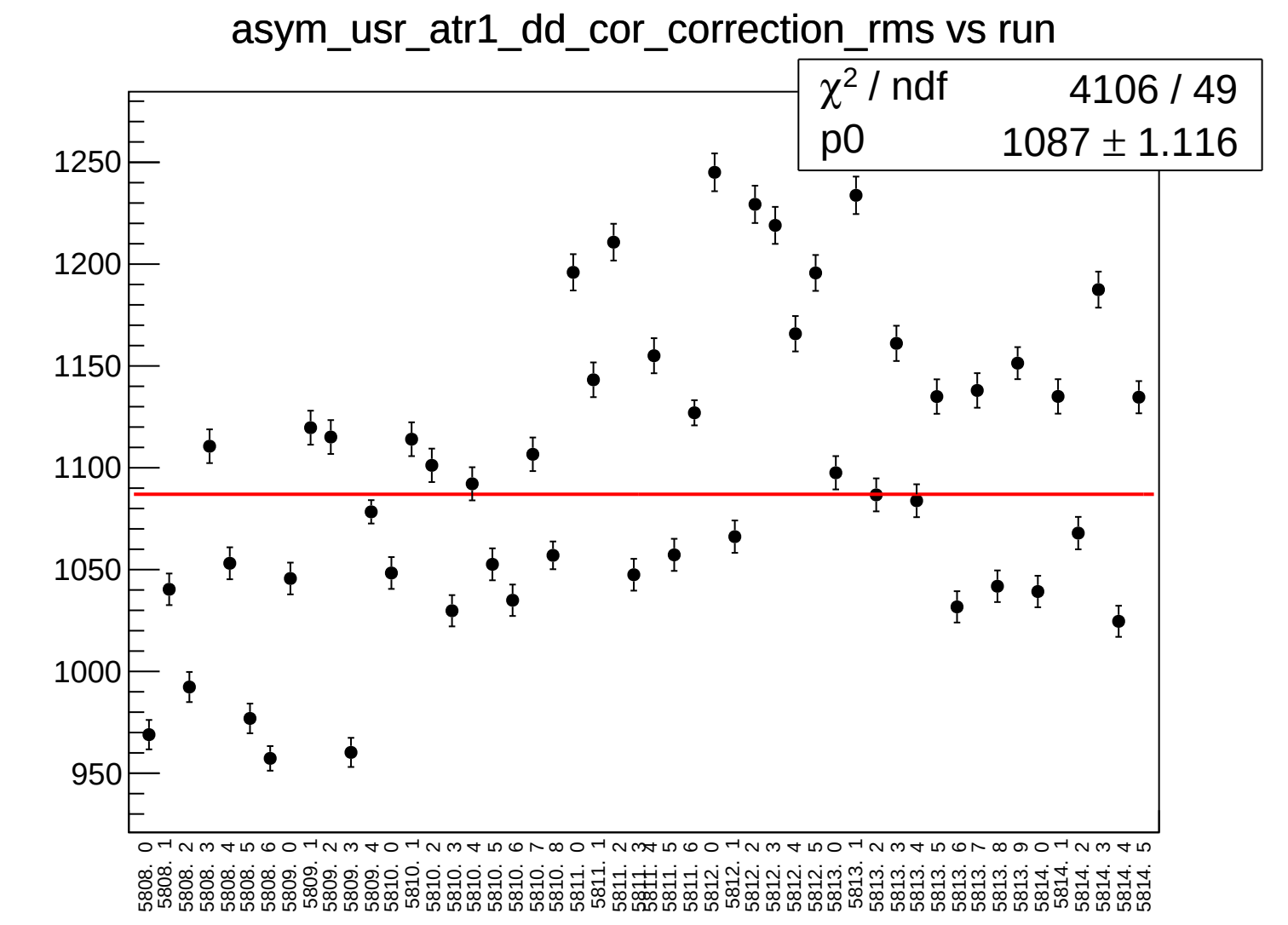

pull1D
Entries 50
Mean −0.011
Std Dev 1.062


asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 4105 / 49
p0 1087 ± 1.116
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.45 / 49
p0 911.7 ± 1878
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 95.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01741
Std Dev 0.8992
12
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 43.23 / 49
p0 1296 ± 1.328
1320
1310
1300
1290
1280
1270
1260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 56.4 / 49
p0 3692 ± 1579
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −332.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01101
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 4106 / 49
p0 1087 ± 1.116
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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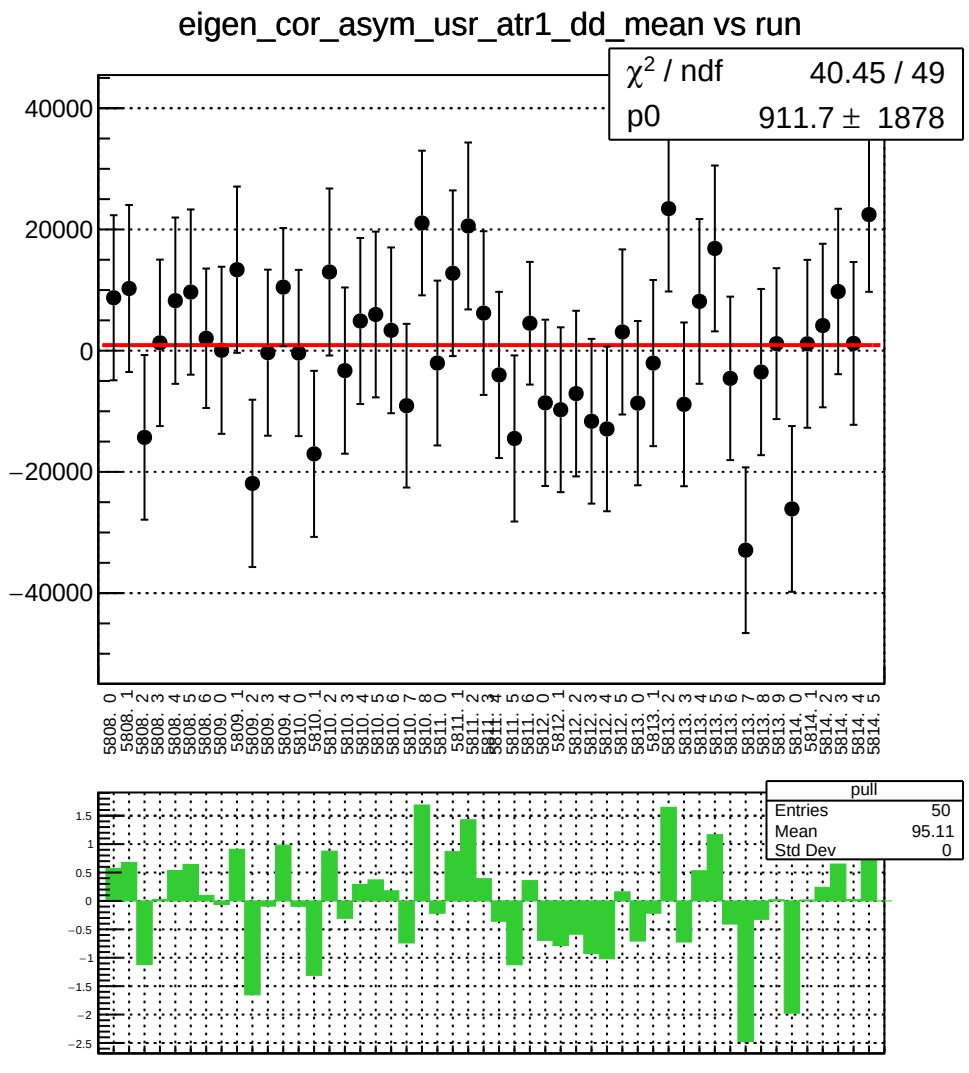
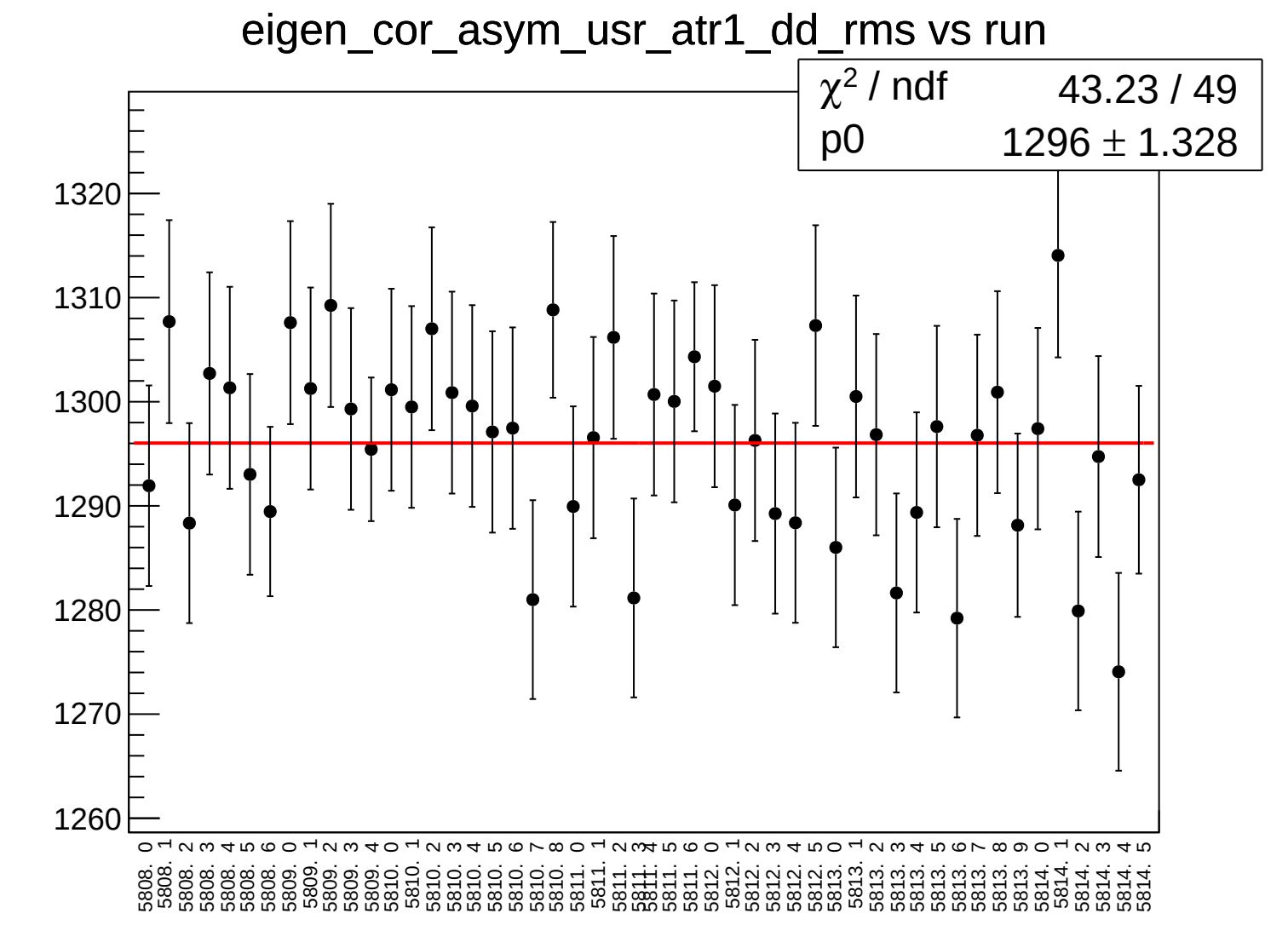
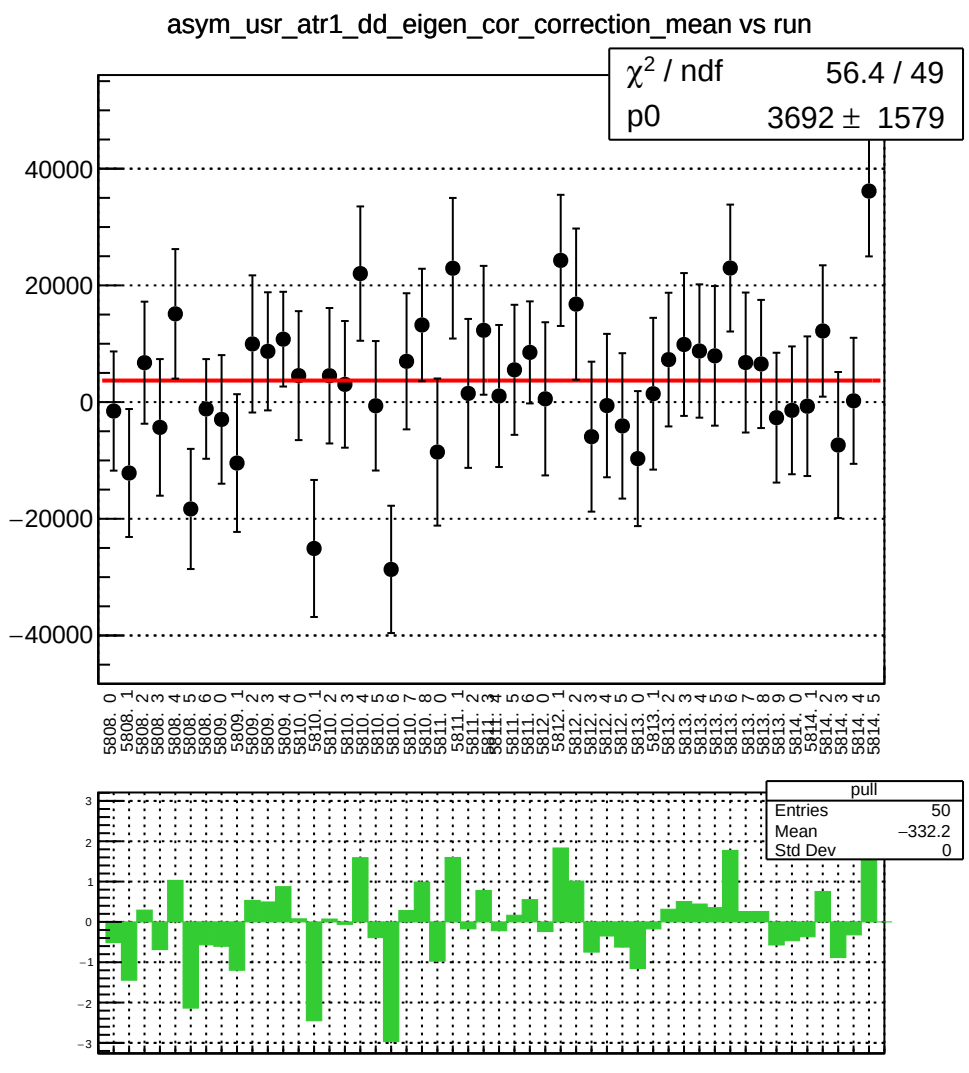
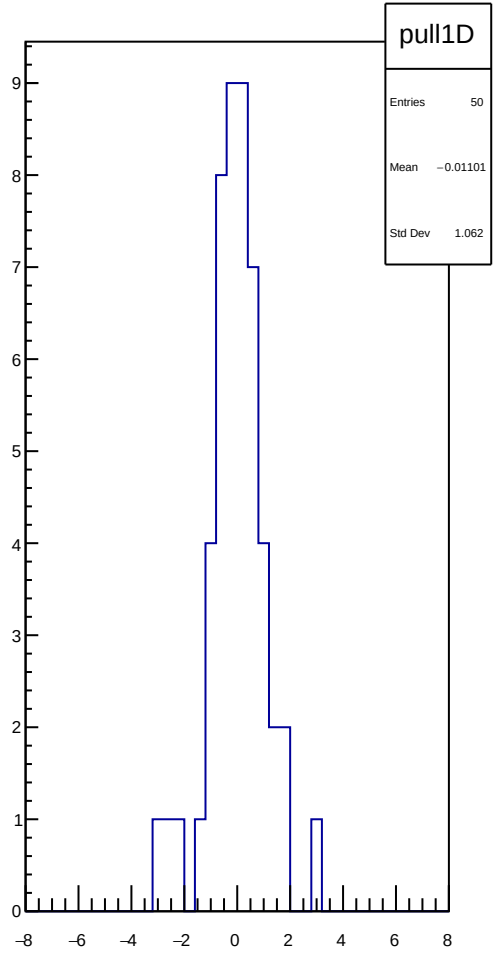
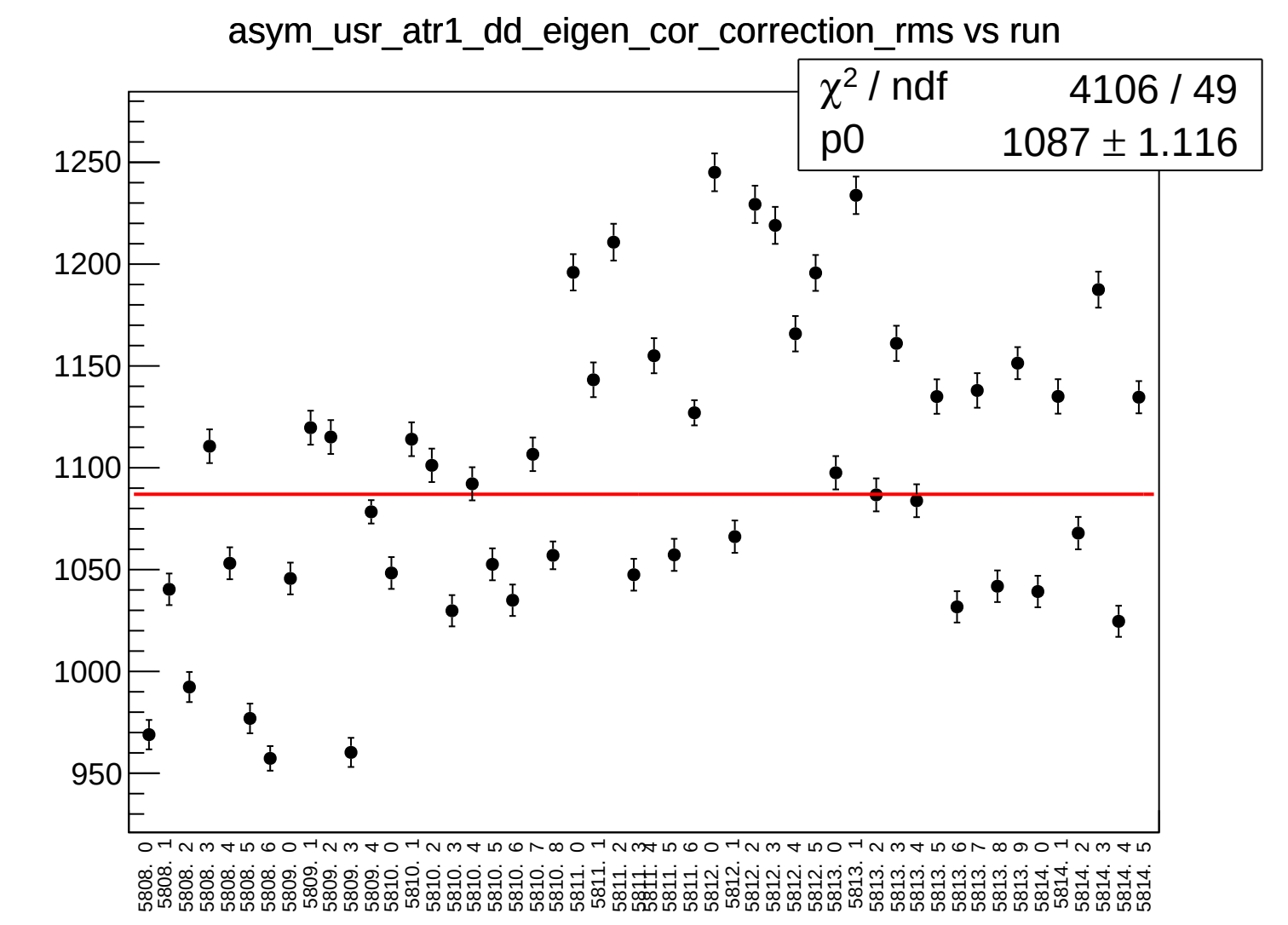
5814. 4
5814. 5


eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.45 / 49
p0 911.7 ± 1878
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 95.11
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01741
Std Dev 0.8992
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr1_dd_rms vs run
χ² / ndf 43.23 / 49
p0 1296 ± 1.328
1320
1310
1300
1290
1280
1270
1260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.4 / 49
p0 3692 ± 1579
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −332.2
Std Dev 0


pull1D
Entries 50
Mean −0.01101
Std Dev 1.062


asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4106 / 49
p0 1087 ± 1.116
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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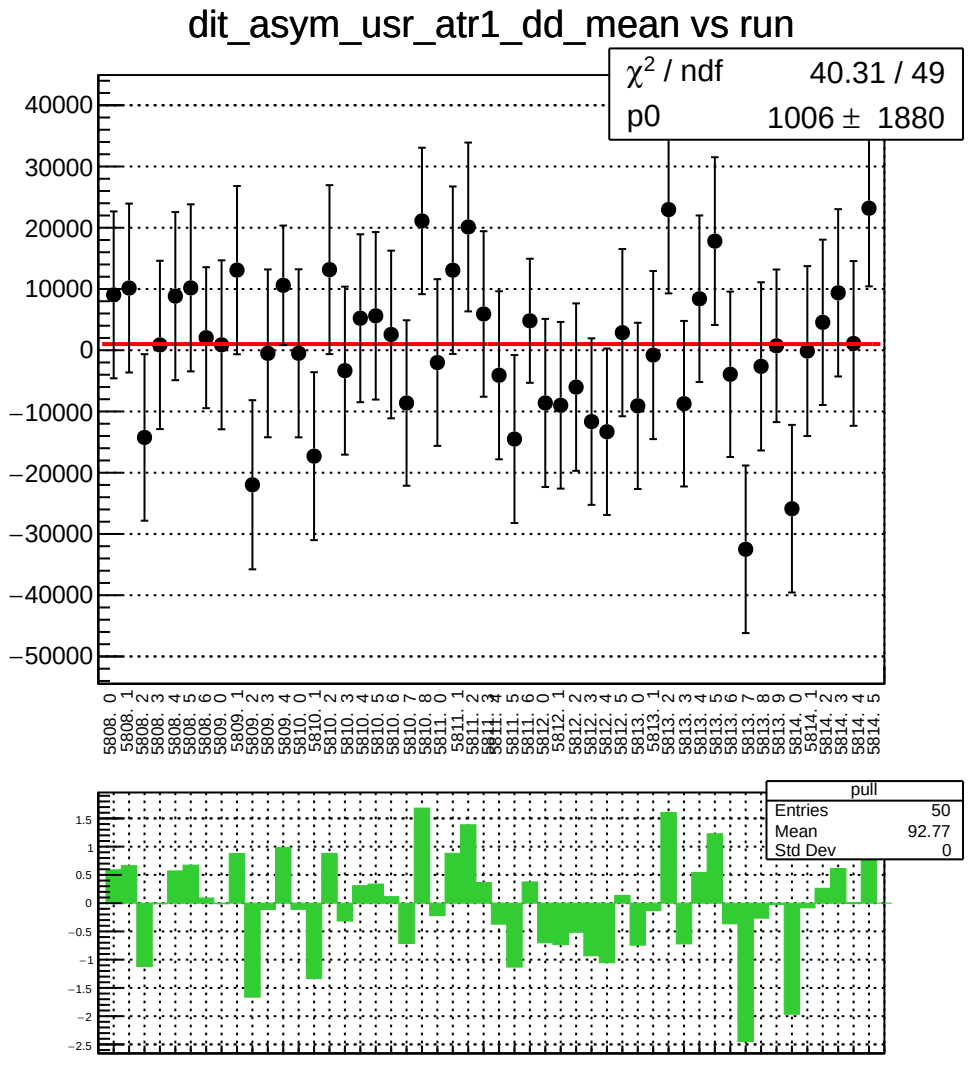
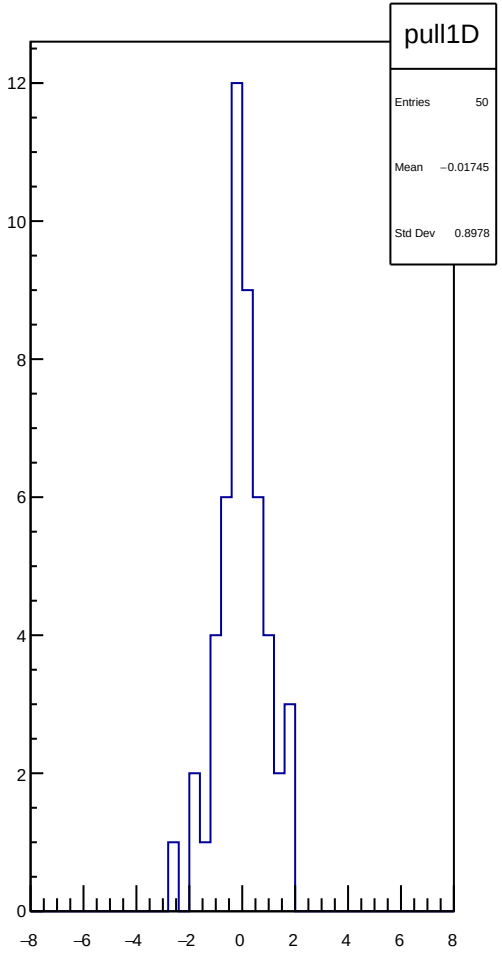
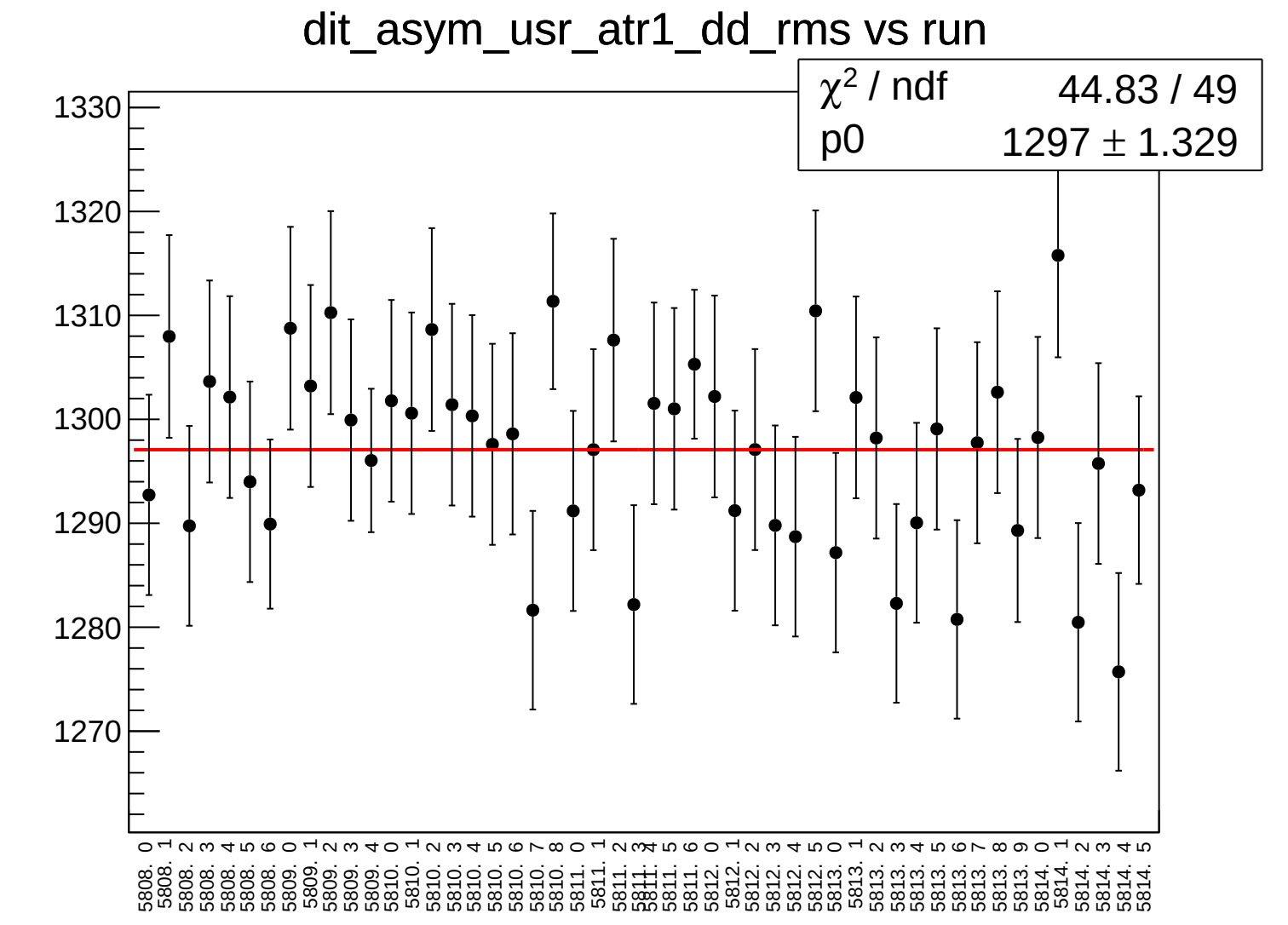
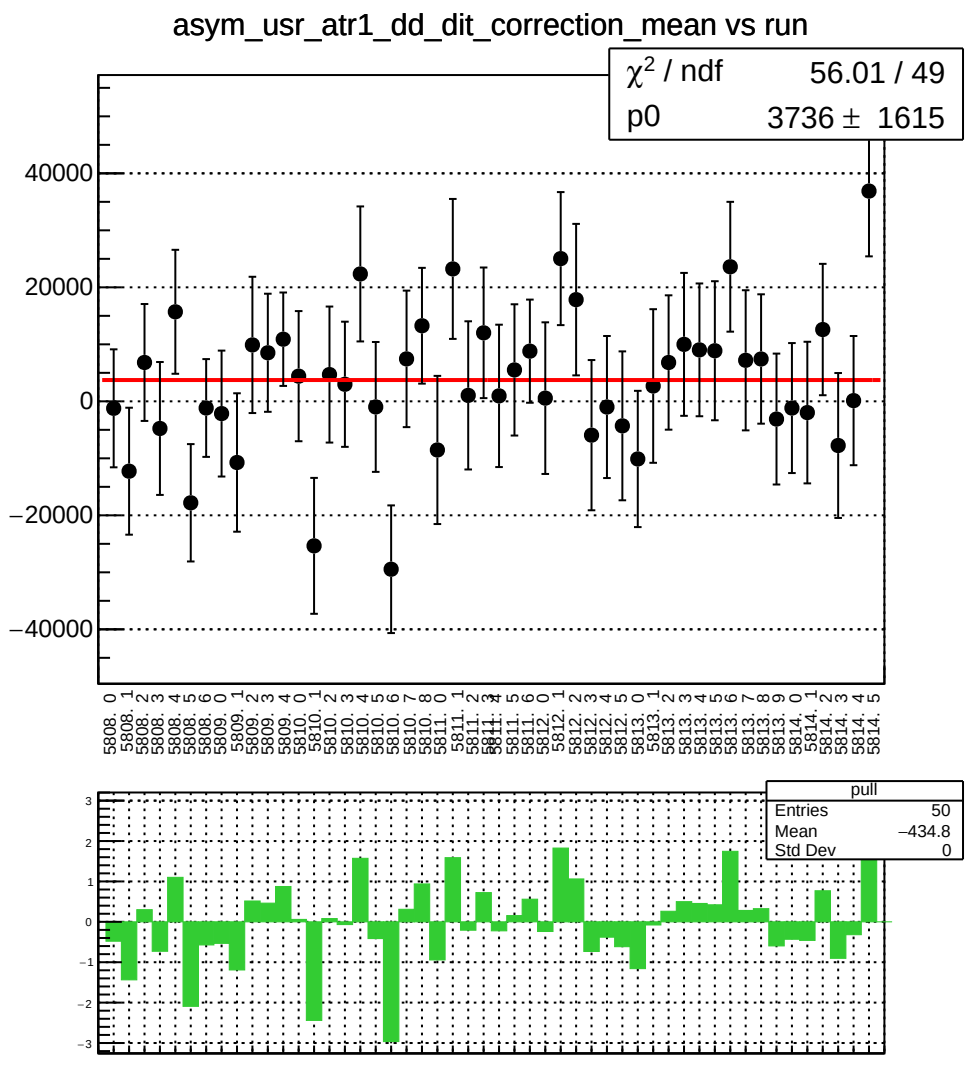
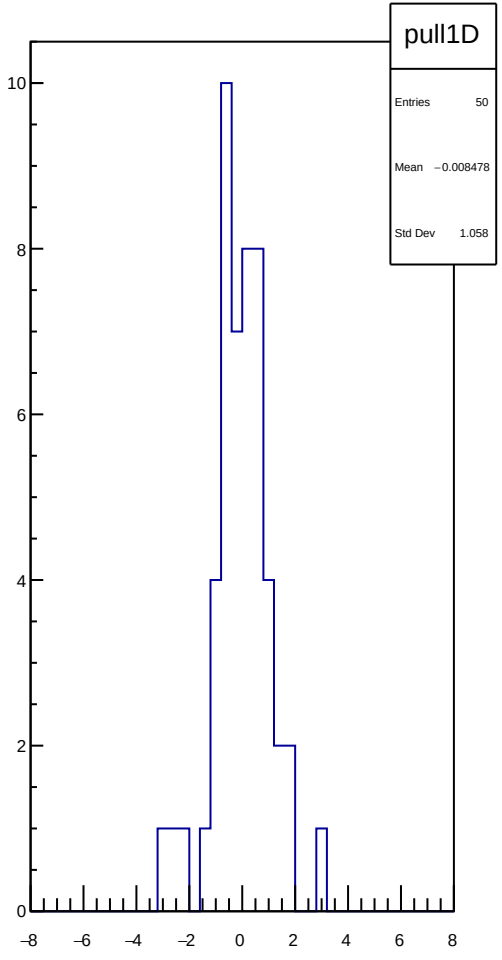
5814. 4
5814. 5

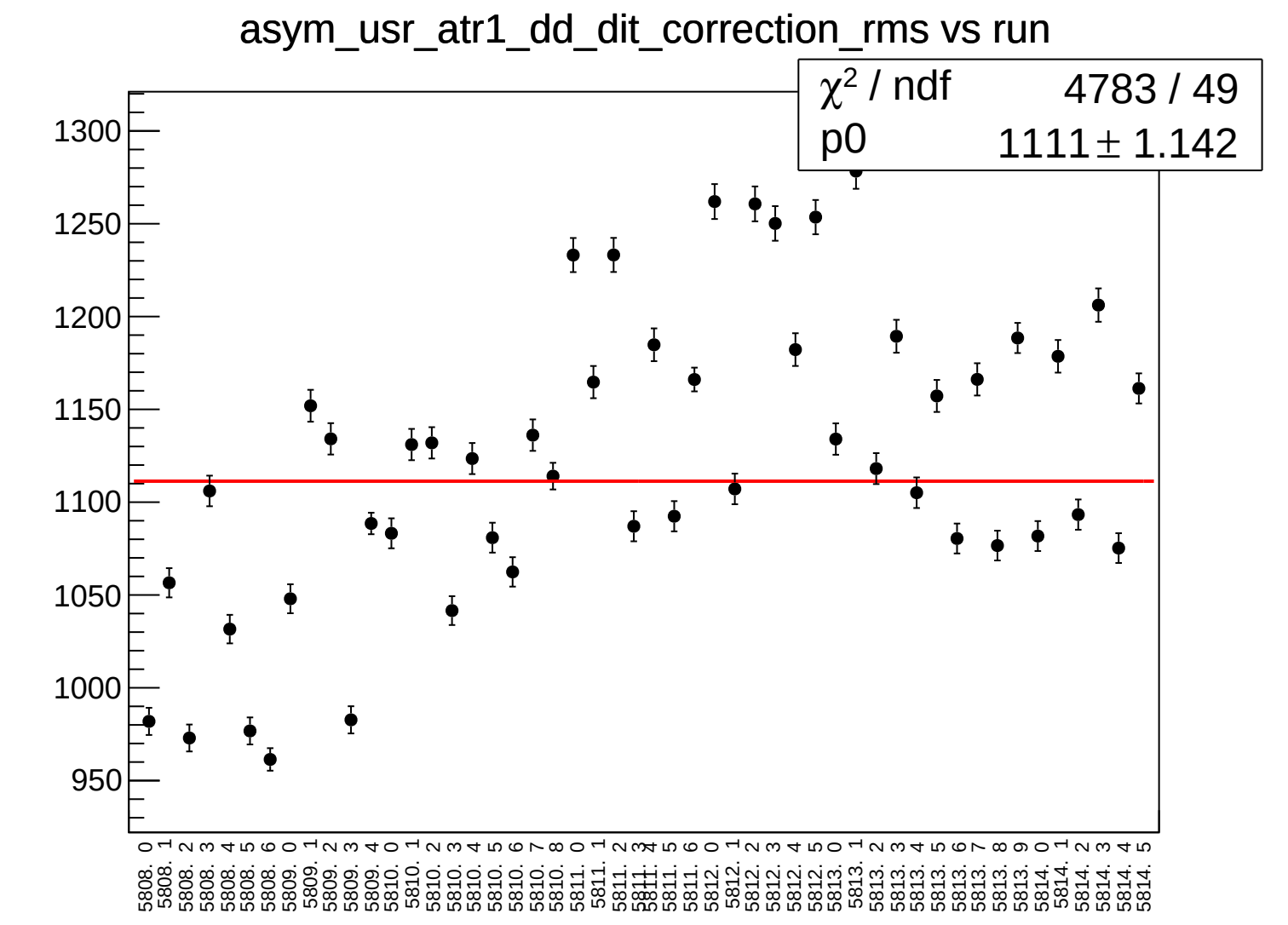

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.31 / 49
p0 1006 ± 1880
pull
Entries 50
Mean 92.77
Std Dev 0

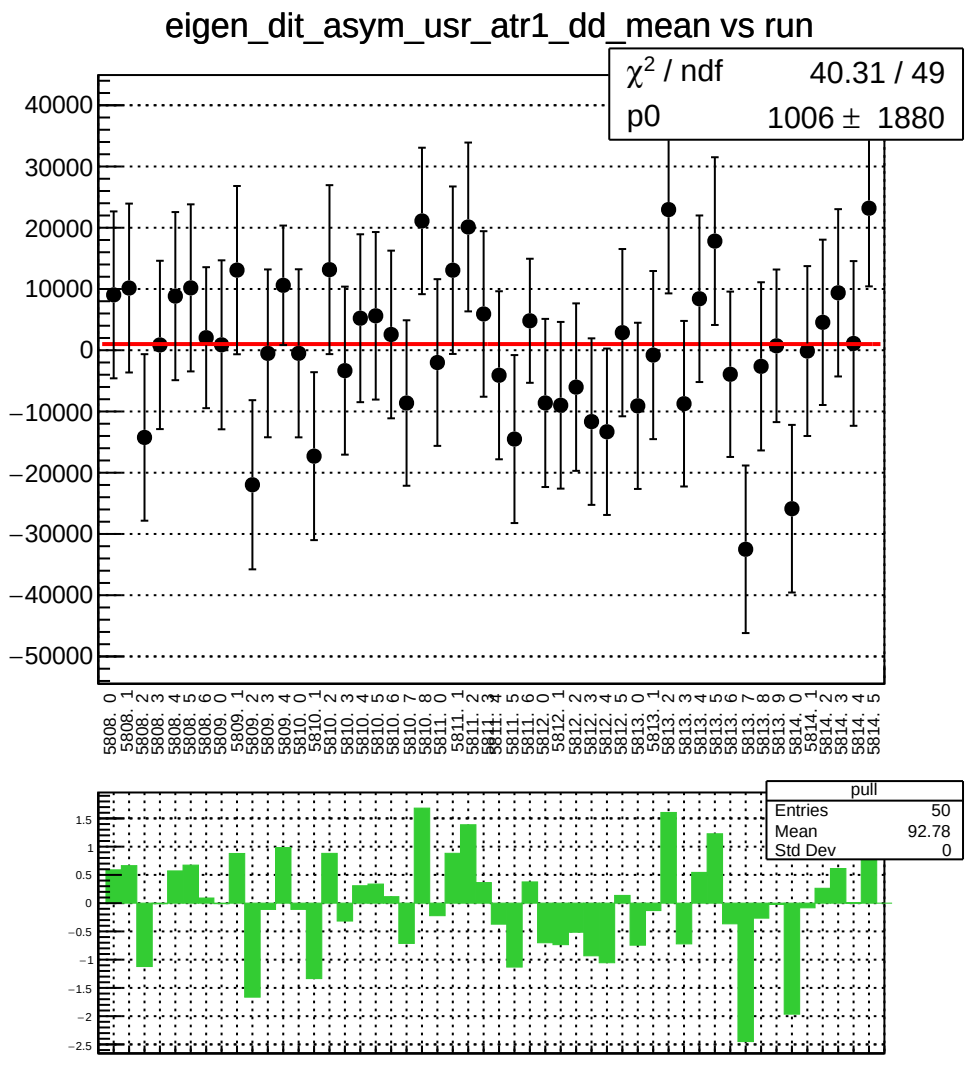

pull1D
Entries 50
Mean −0.01745
Std Dev 0.8978

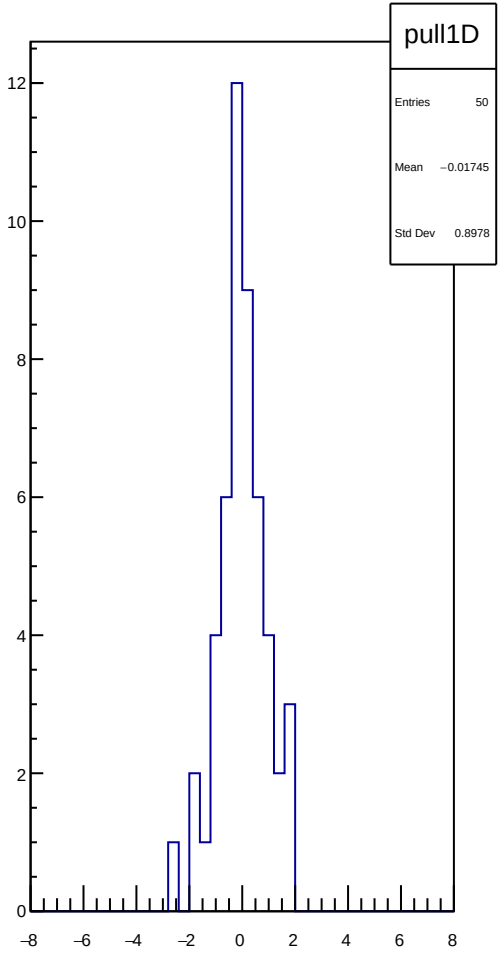

dit_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 44.83 / 49
p0 1297 ± 1.329
1330
1320
1310
1300
1290
1280
1270
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

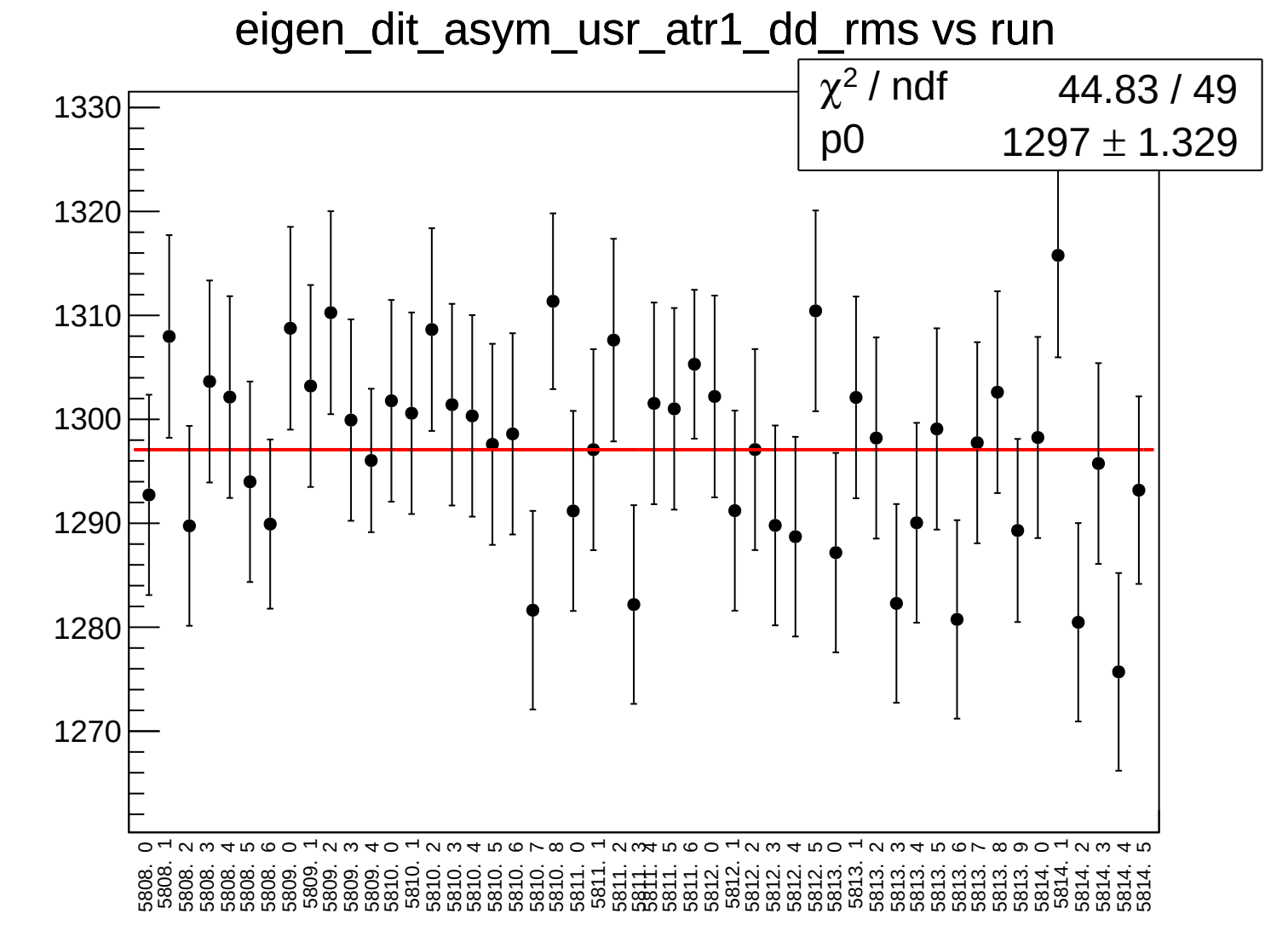

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 56.01 / 49
p0 3736 ± 1615
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −434.8
Std Dev 0
3
2
1
0
−1
−2
−3

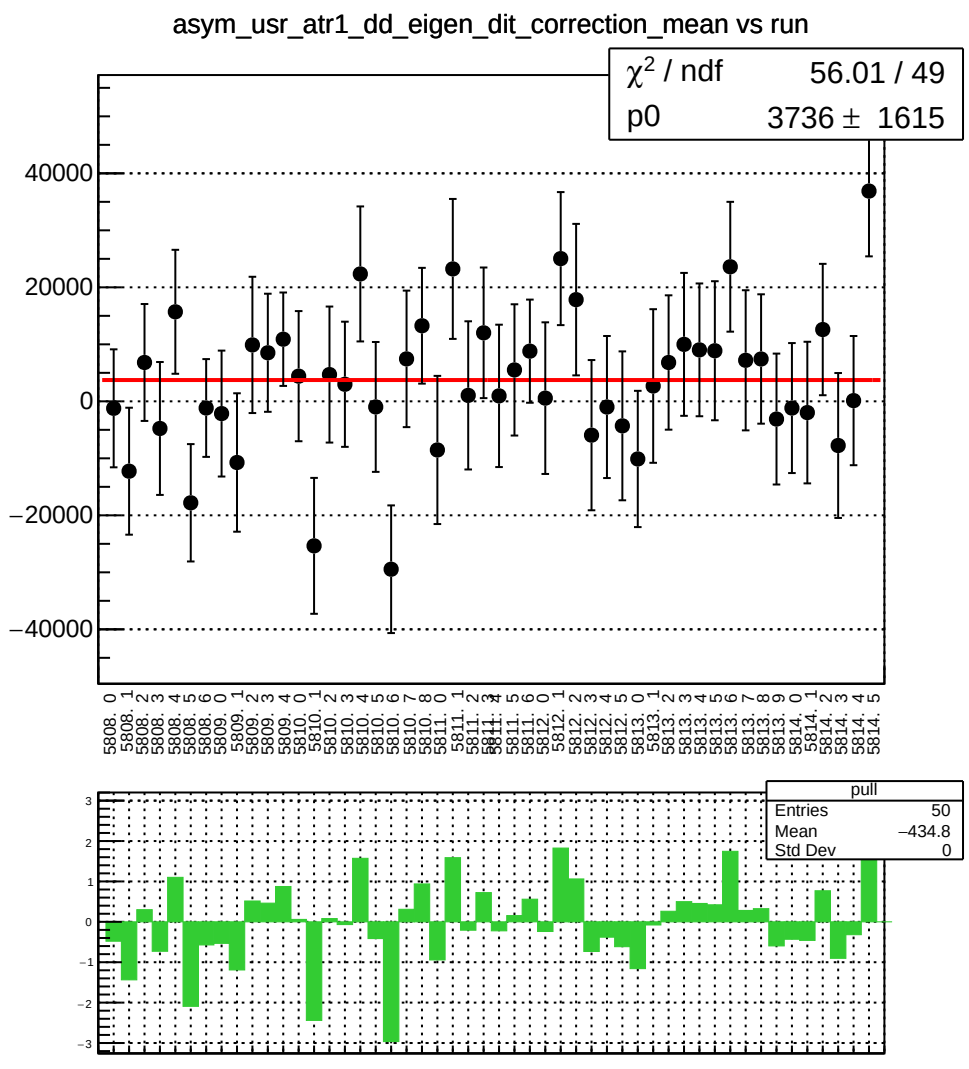

pull1D
Entries 50
Mean −0.008478
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

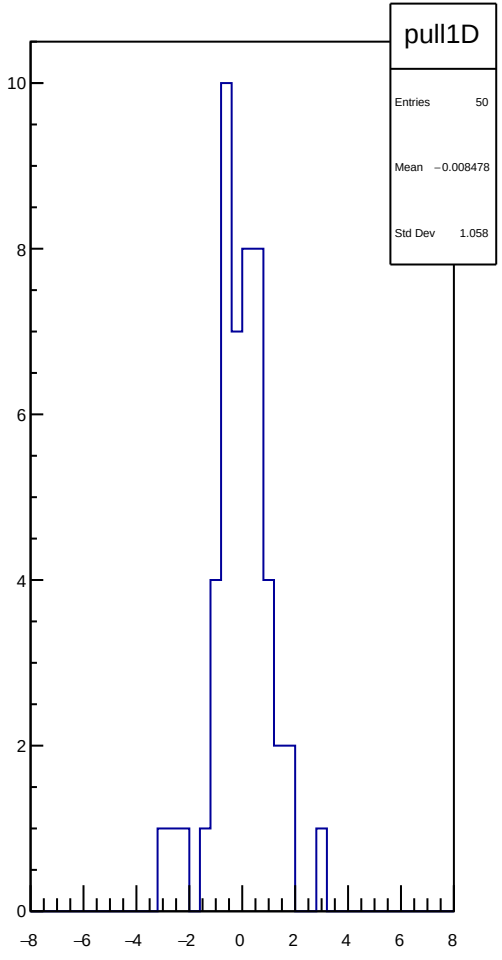

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 4783 / 49
p0 1111 ± 1.142
1300
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

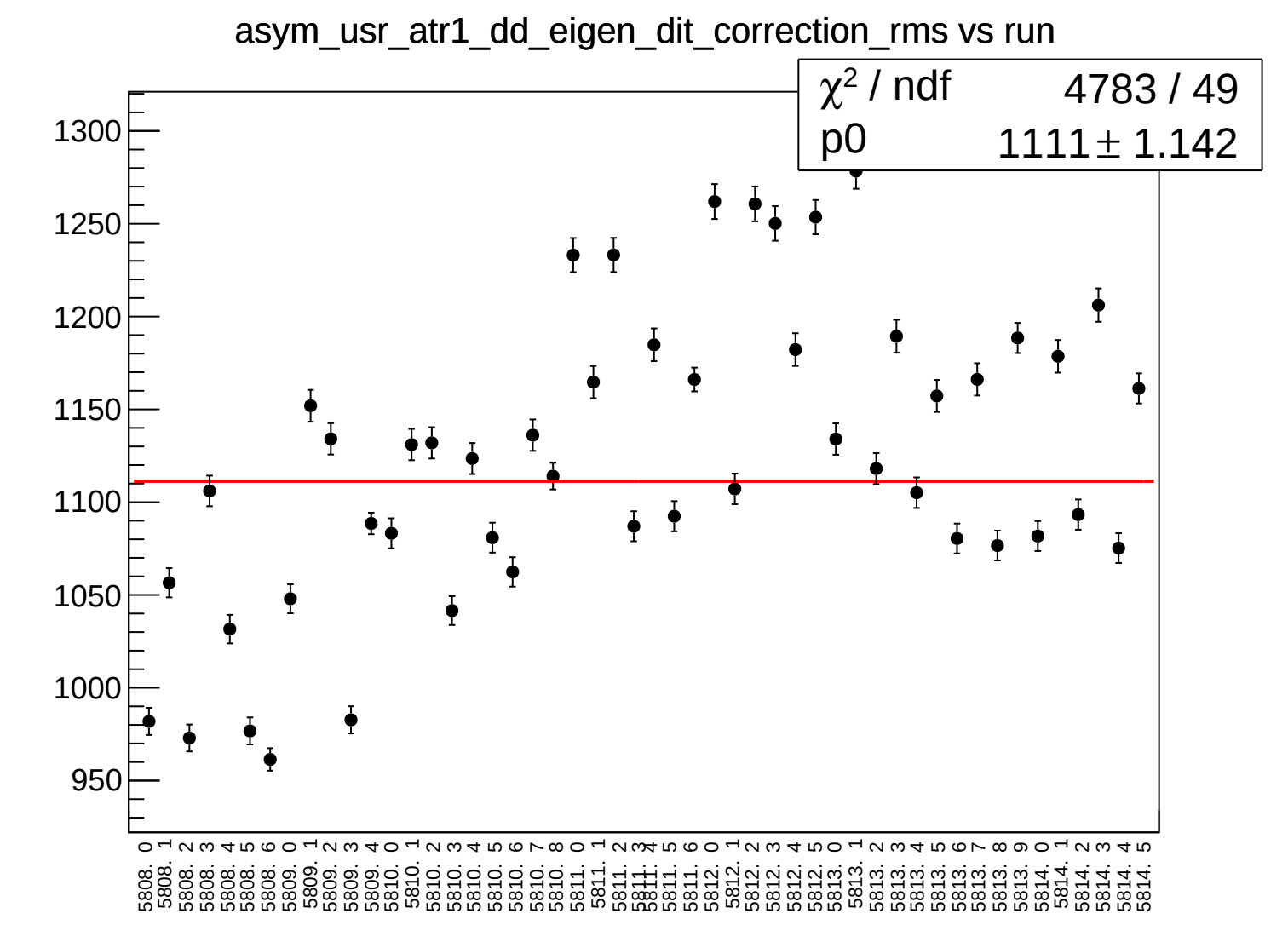

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 40.31 / 49
p0 1006 ± 1880
pull
Entries 50
Mean 92.78
Std Dev 0

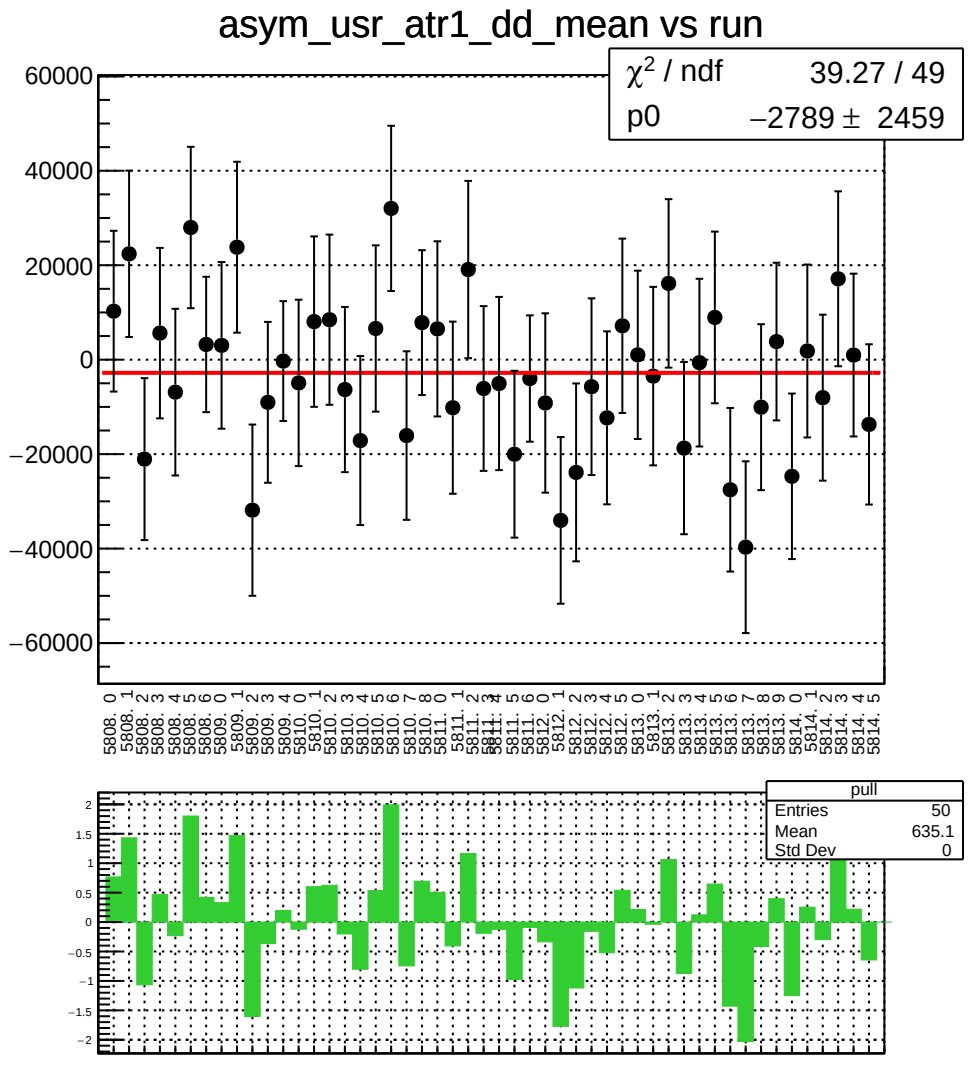

pull1D
Entries 50
Mean −0.01745
Std Dev 0.8978

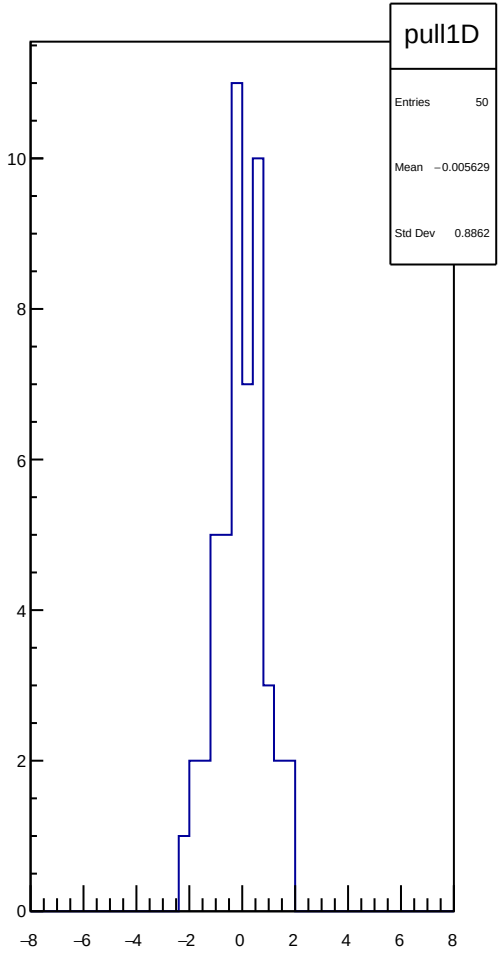

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 44.83 / 49
p0 1297 ± 1.329
1330
1320
1310
1300
1290
1280
1270
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

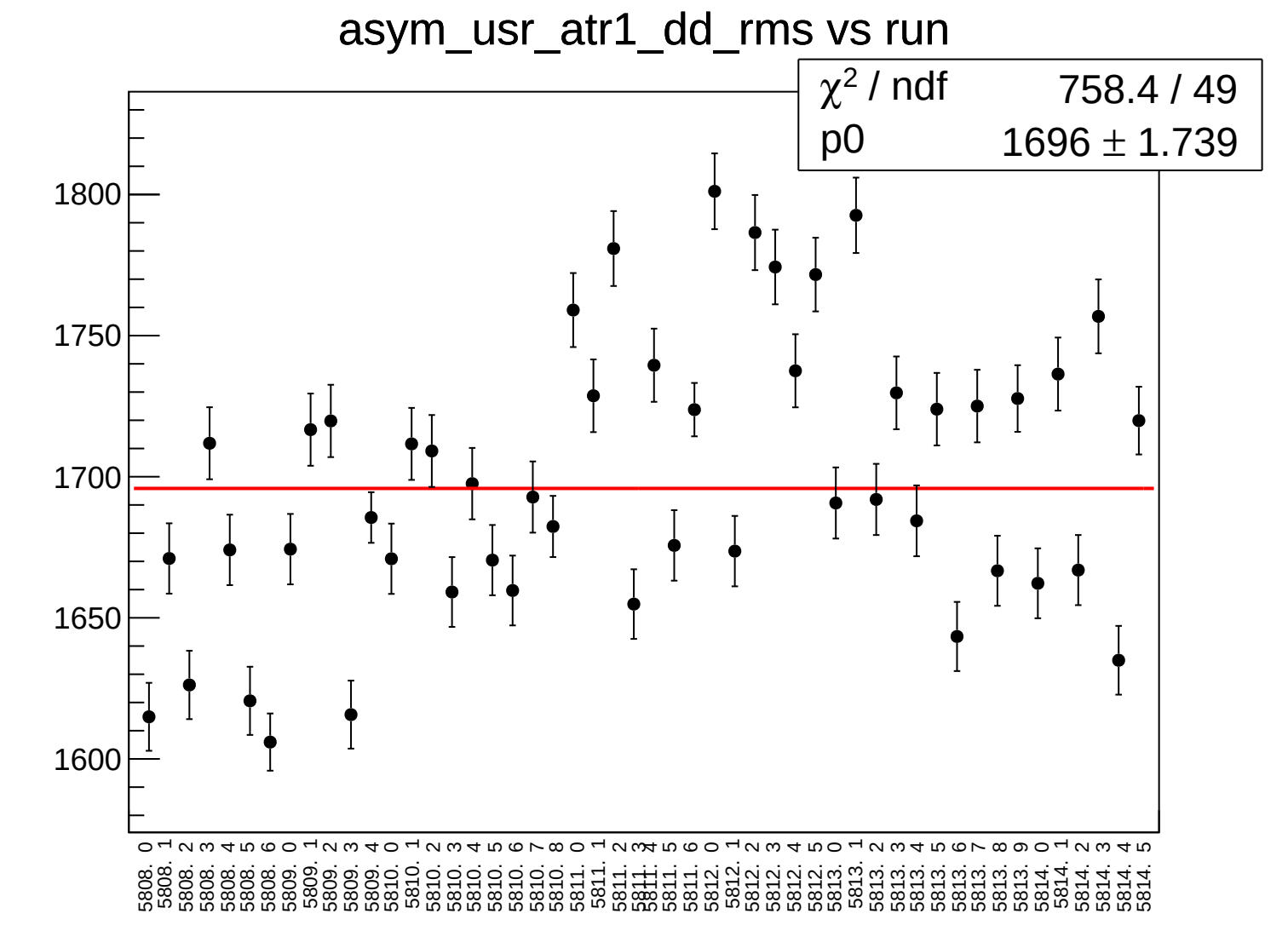

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 56.01 / 49
p0 3736 ± 1615
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −434.8
Std Dev 0
3
2
1
0
−1
−2
−3

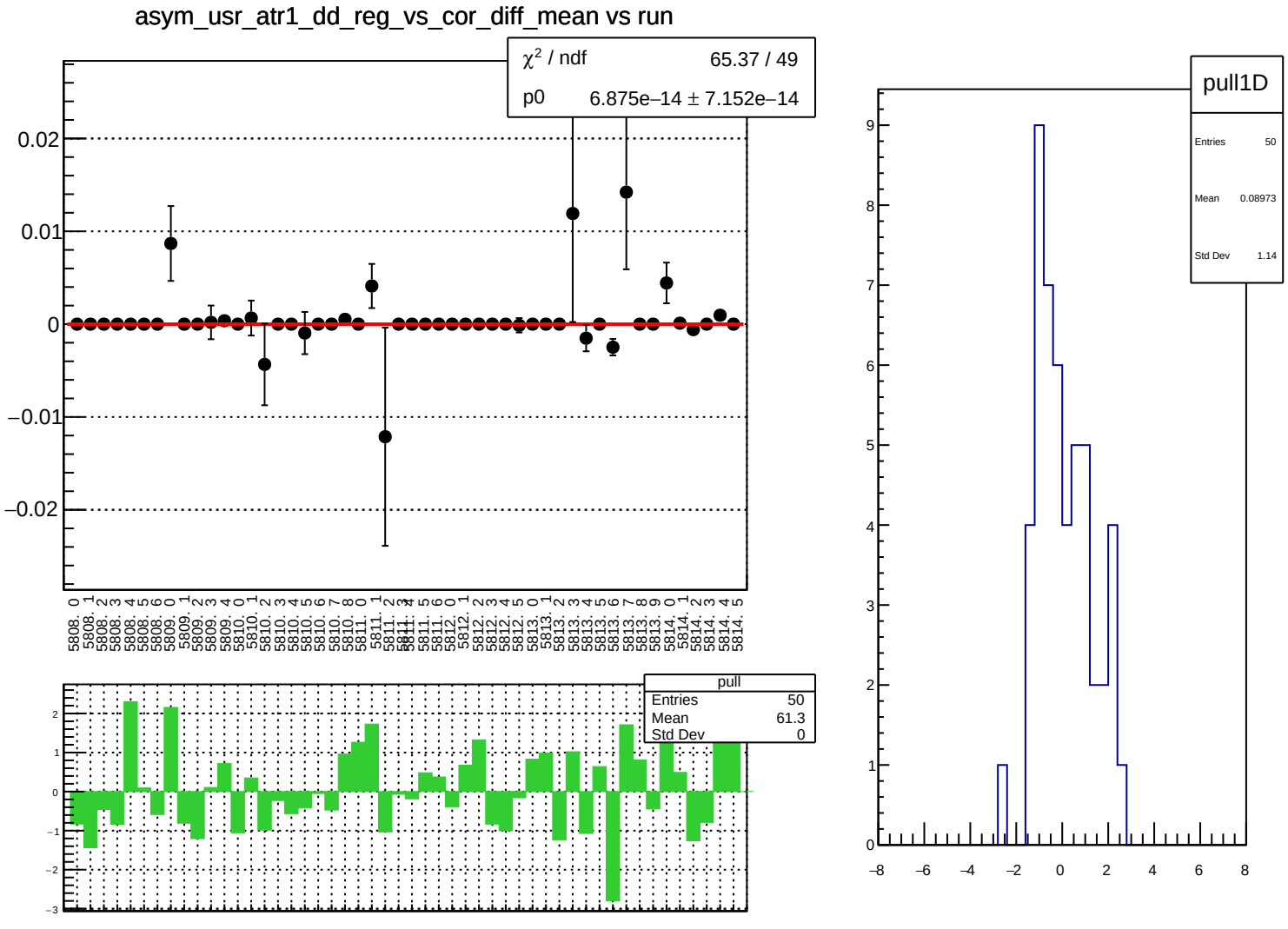

pull1D
Entries 50
Mean −0.008478
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

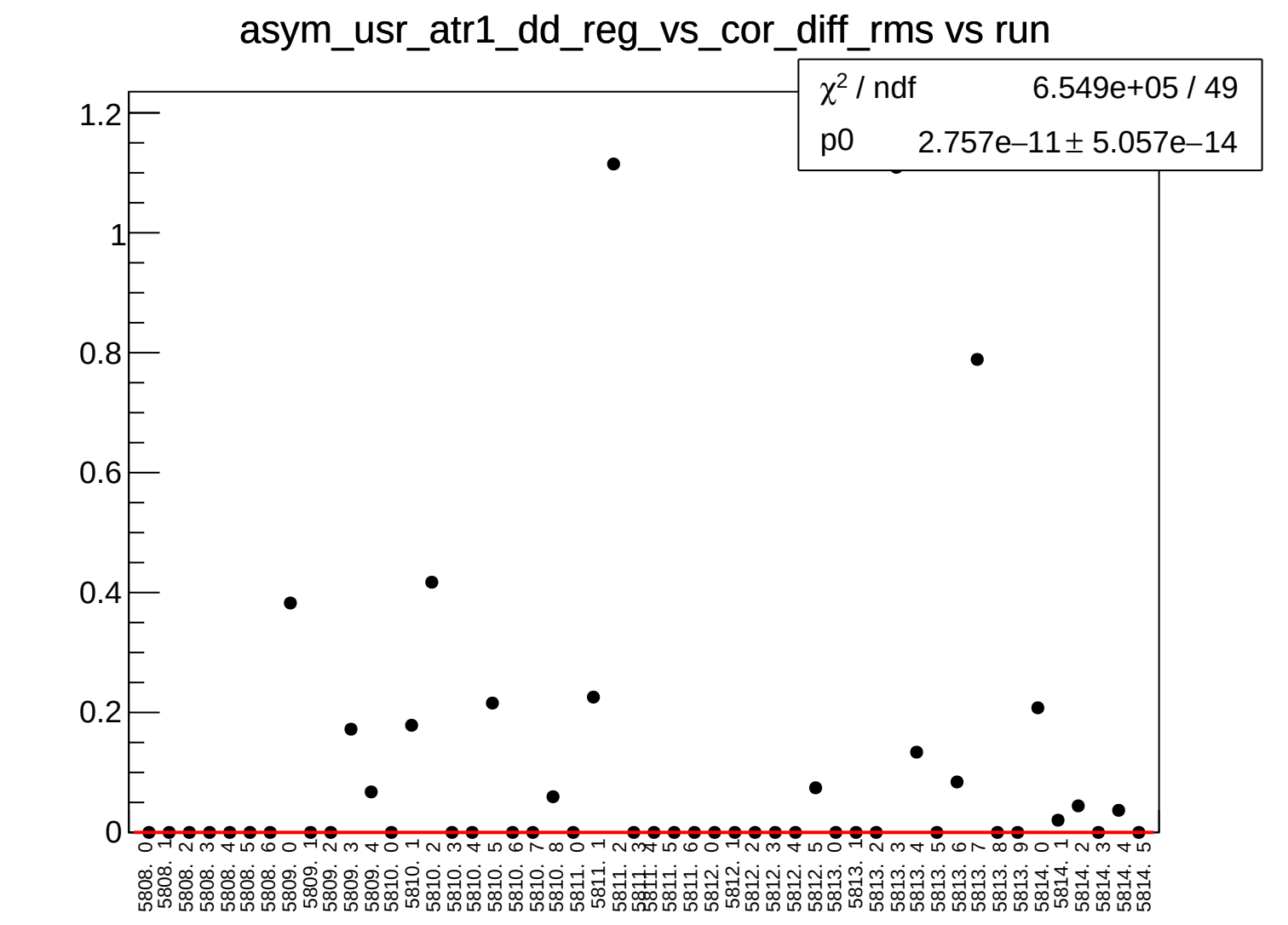

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 4783 / 49
p0 1111 ± 1.142
1300
1250
1200
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

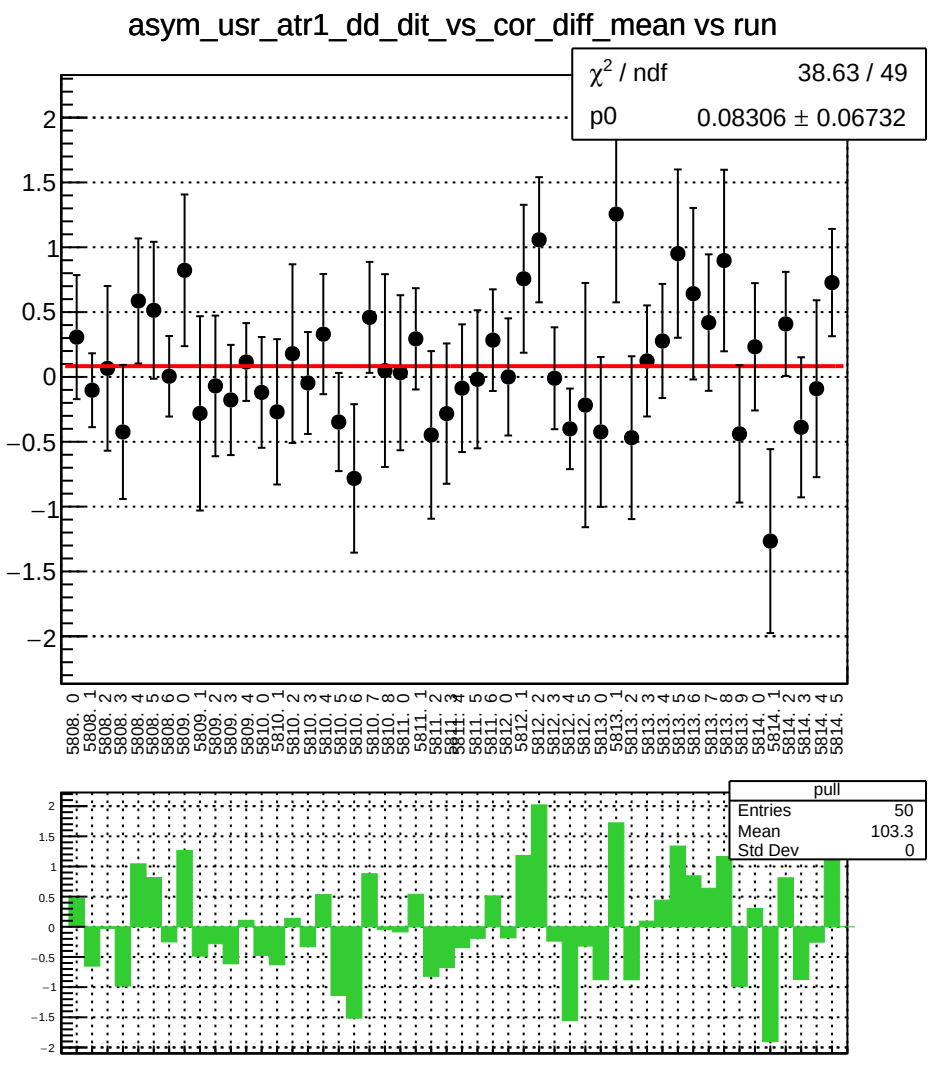

asym_usr_atr1_dd_mean vs run
χ² / ndf 39.27 / 49
p0 −2789 ± 2459
pull
Entries 50
Mean 635.1
Std Dev 0

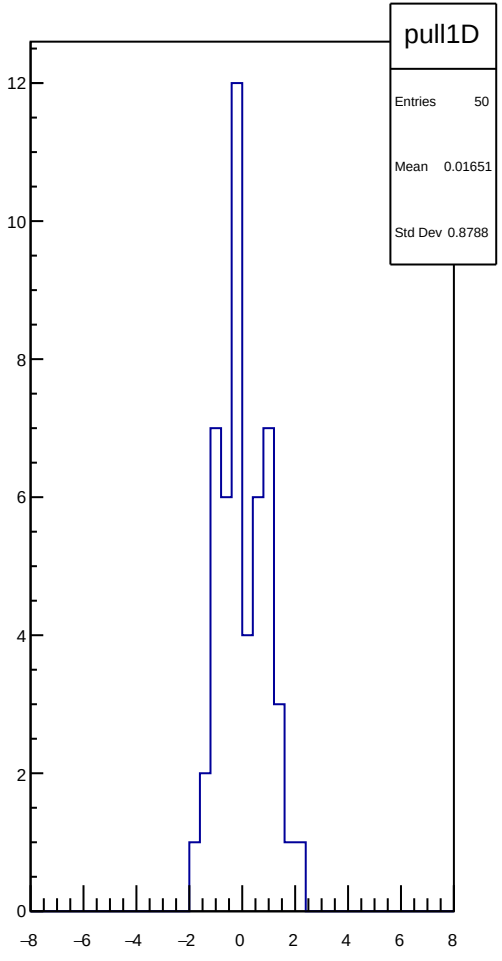

pull1D
Entries 50
Mean −0.005629
Std Dev 0.8862

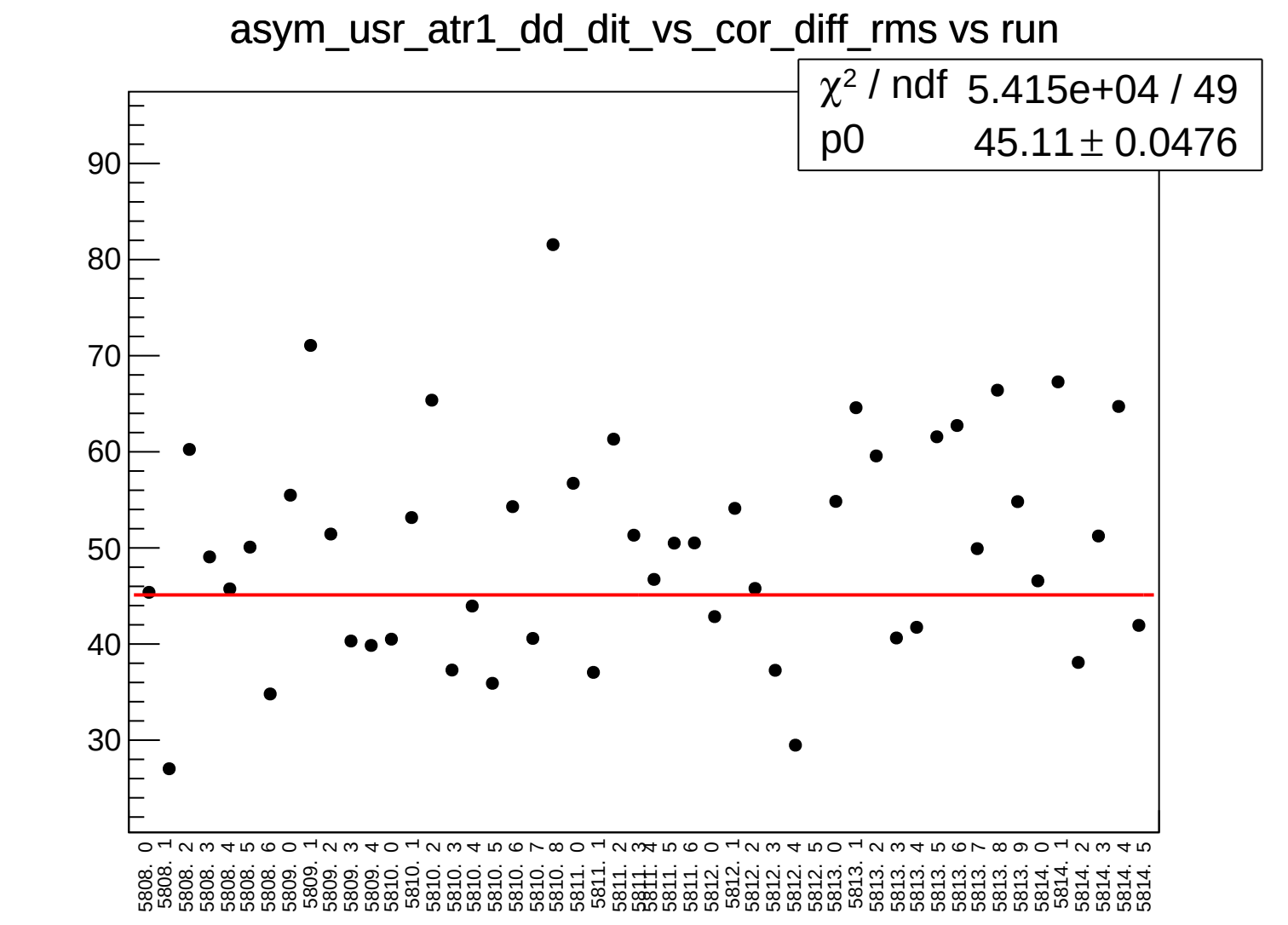

asym_usr_atr1_dd_rms vs run
χ² / ndf 758.4 / 49
p0 1696 ± 1.739
1800
1750
1700
1650
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.37 / 49
p0 6.875e−14 ± 7.152e−14
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean 61.3
Std Dev 0
pull1D
Entries 50
Mean 0.08973
Std Dev 1.14


asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.549e+05 / 49
p0 2.757e−11 ± 5.057e−14
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.63 / 49
p0 0.08306 ± 0.06732
pull
Entries 50
Mean 103.3
Std Dev 0


pull1D
Entries 50
Mean 0.01651
Std Dev 0.8788


asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.415e+04 / 49
p0 45.11 ± 0.0476
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 4
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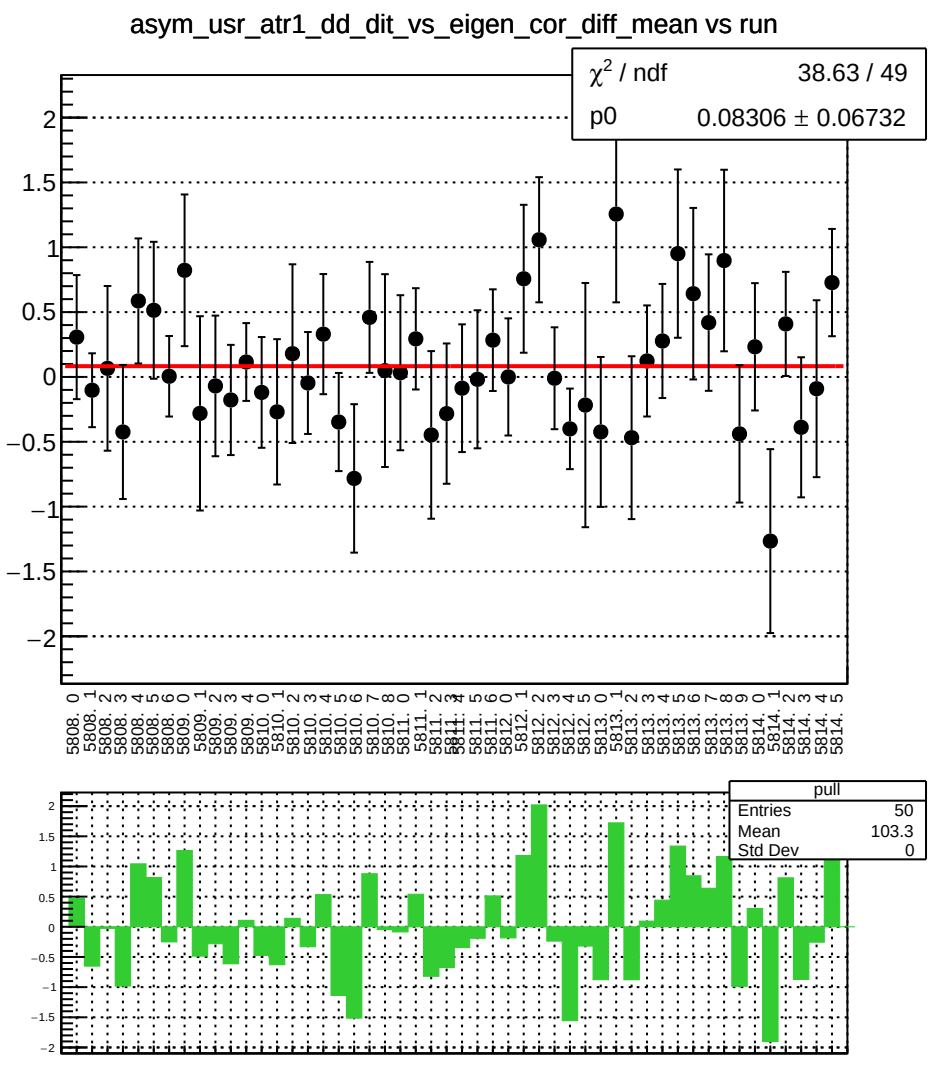
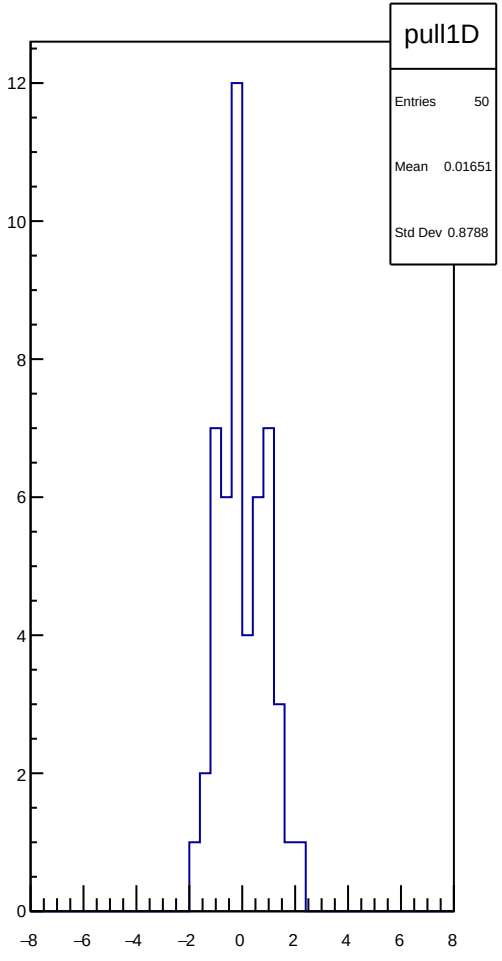
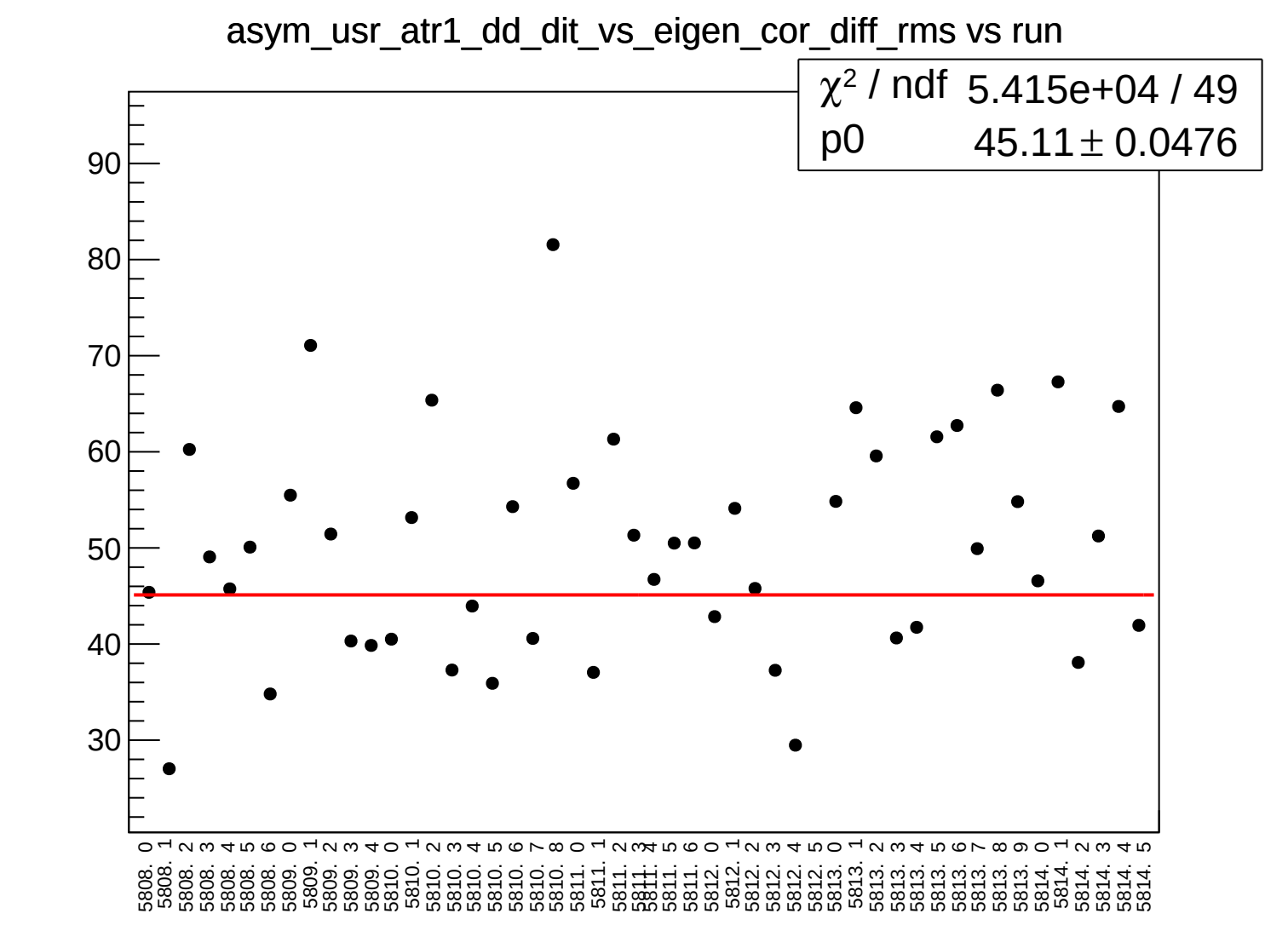
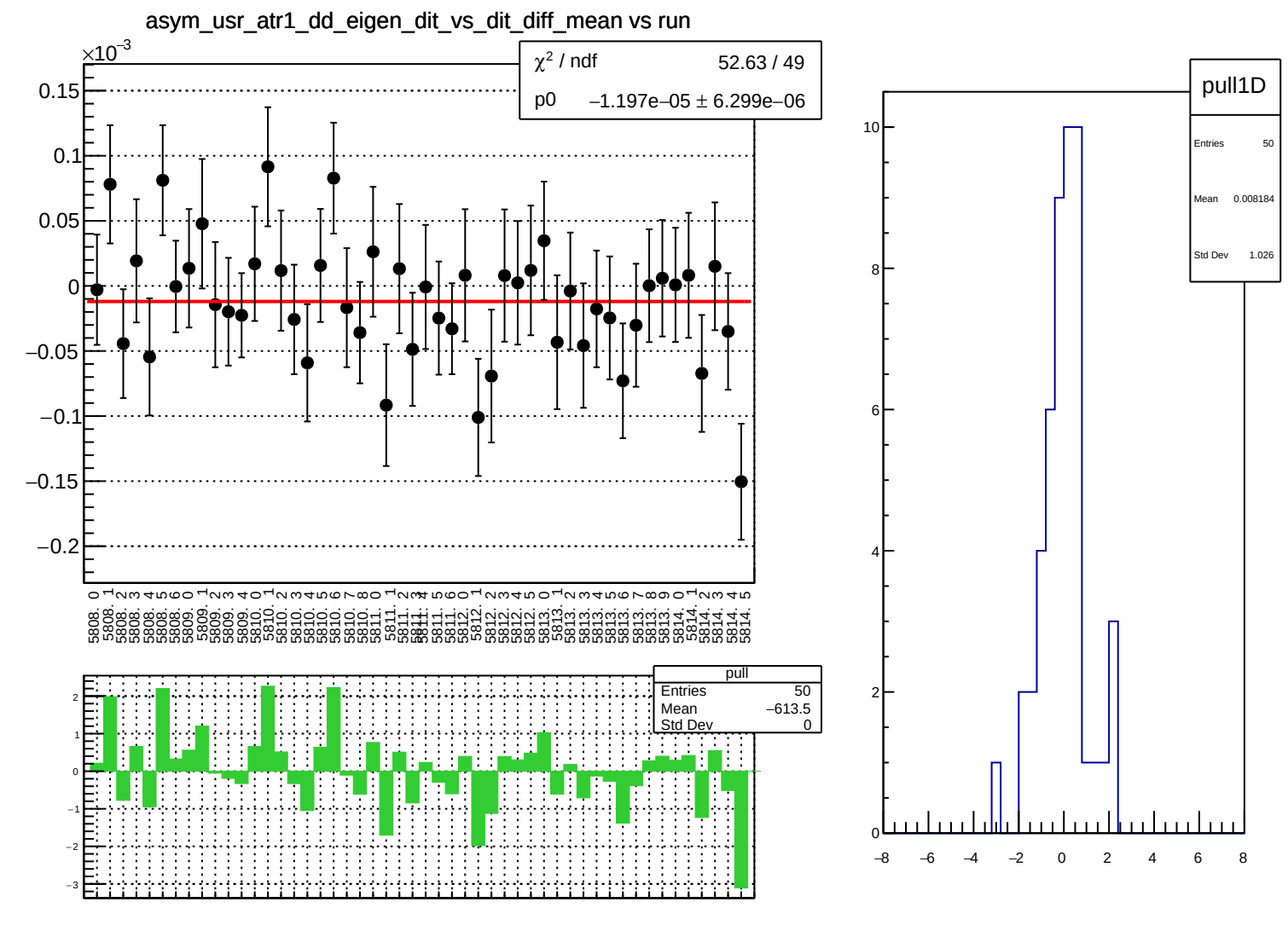
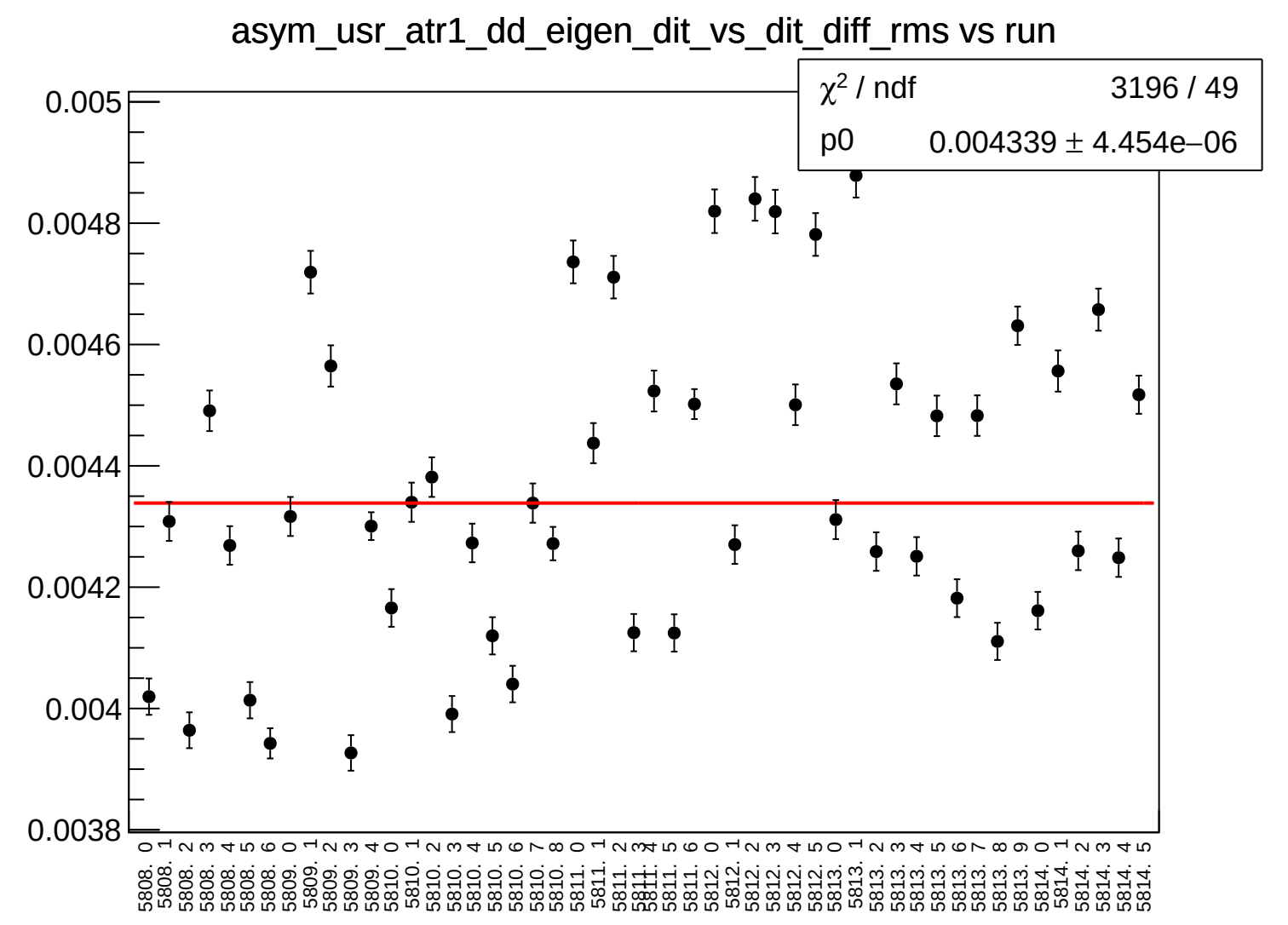
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

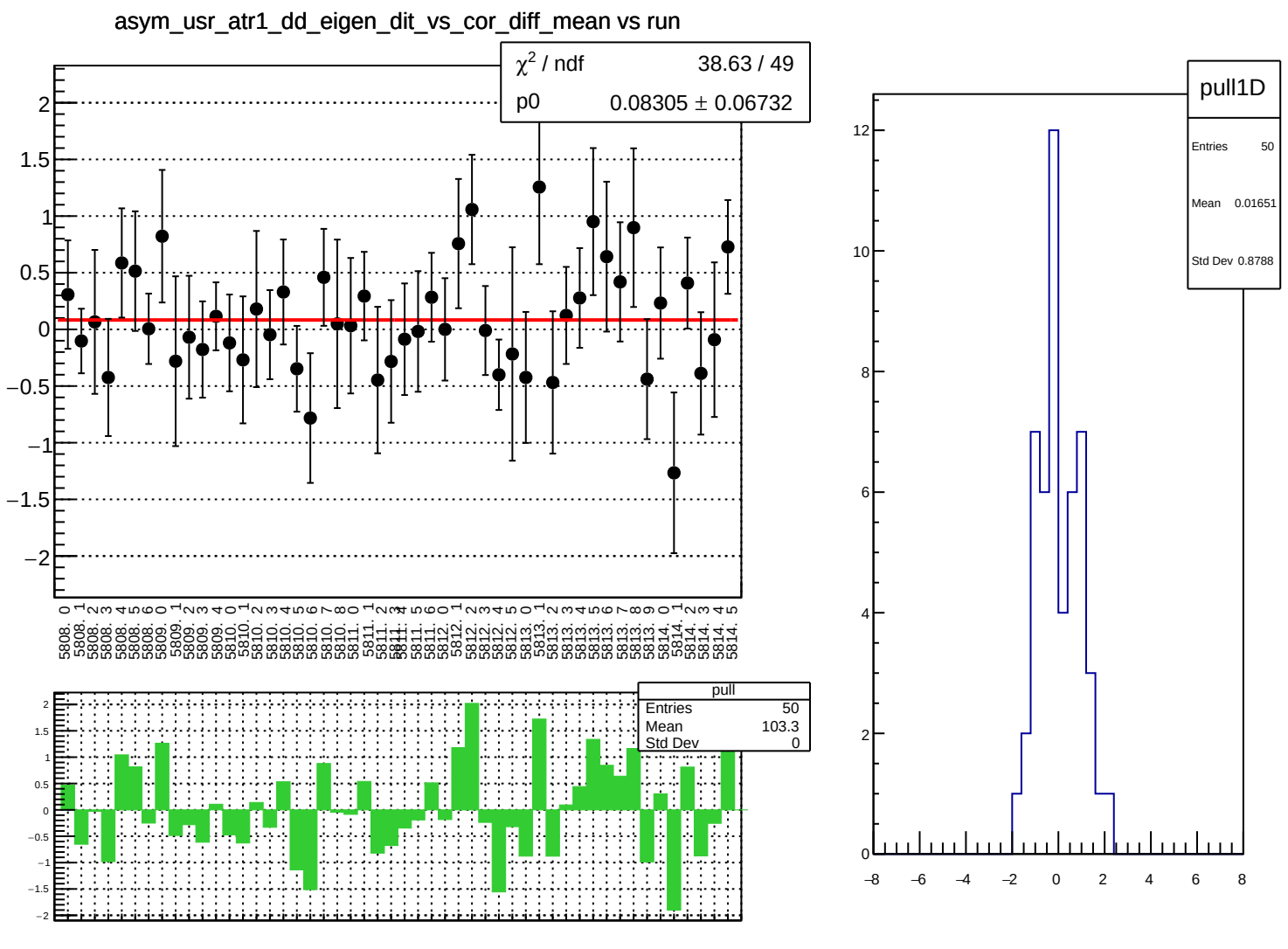

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.63 / 49
p0 0.08306 ± 0.06732
pull
Entries 50
Mean 103.3
Std Dev 0

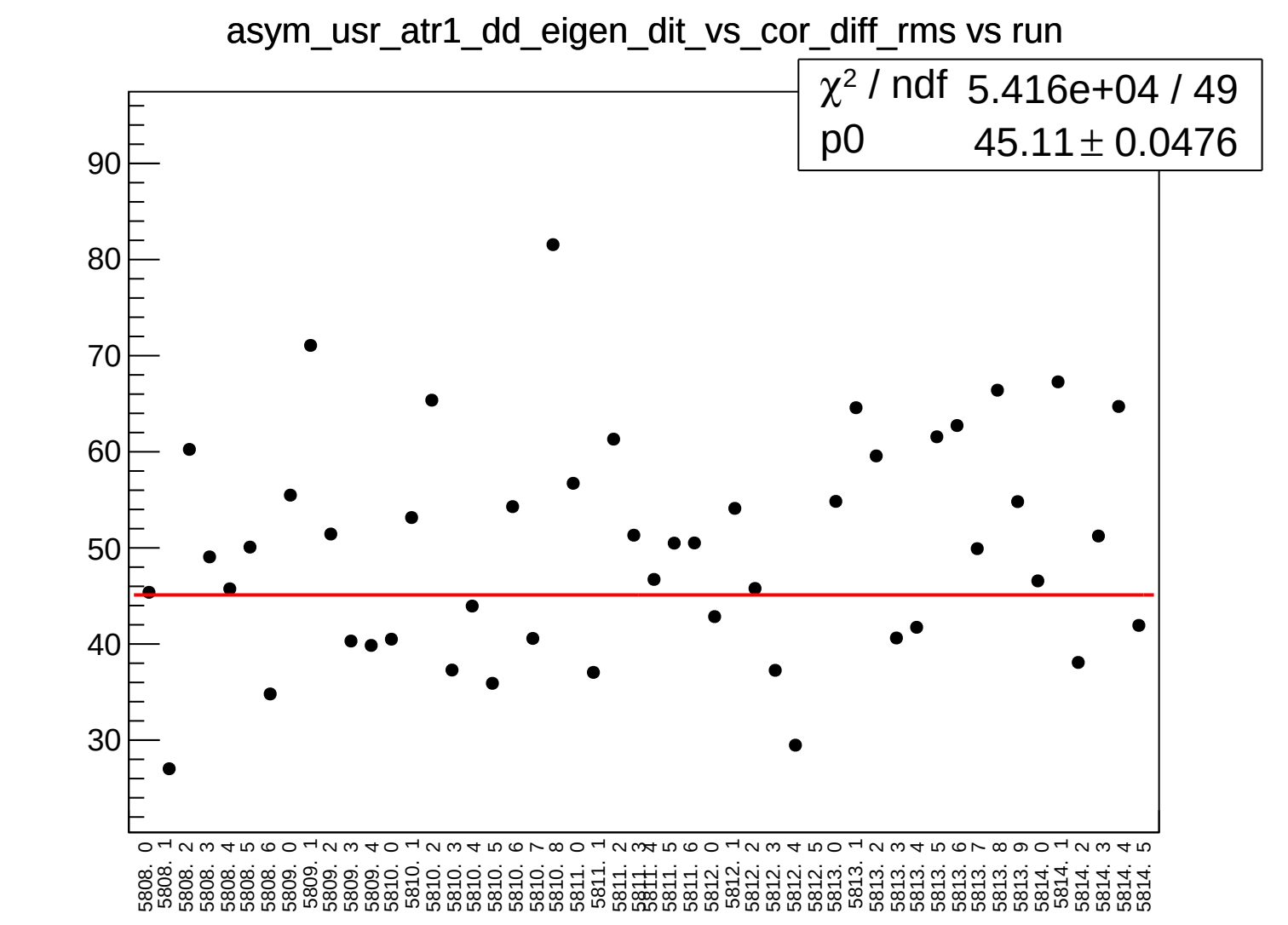

pull1D
Entries 50
Mean 0.01651
Std Dev 0.8788

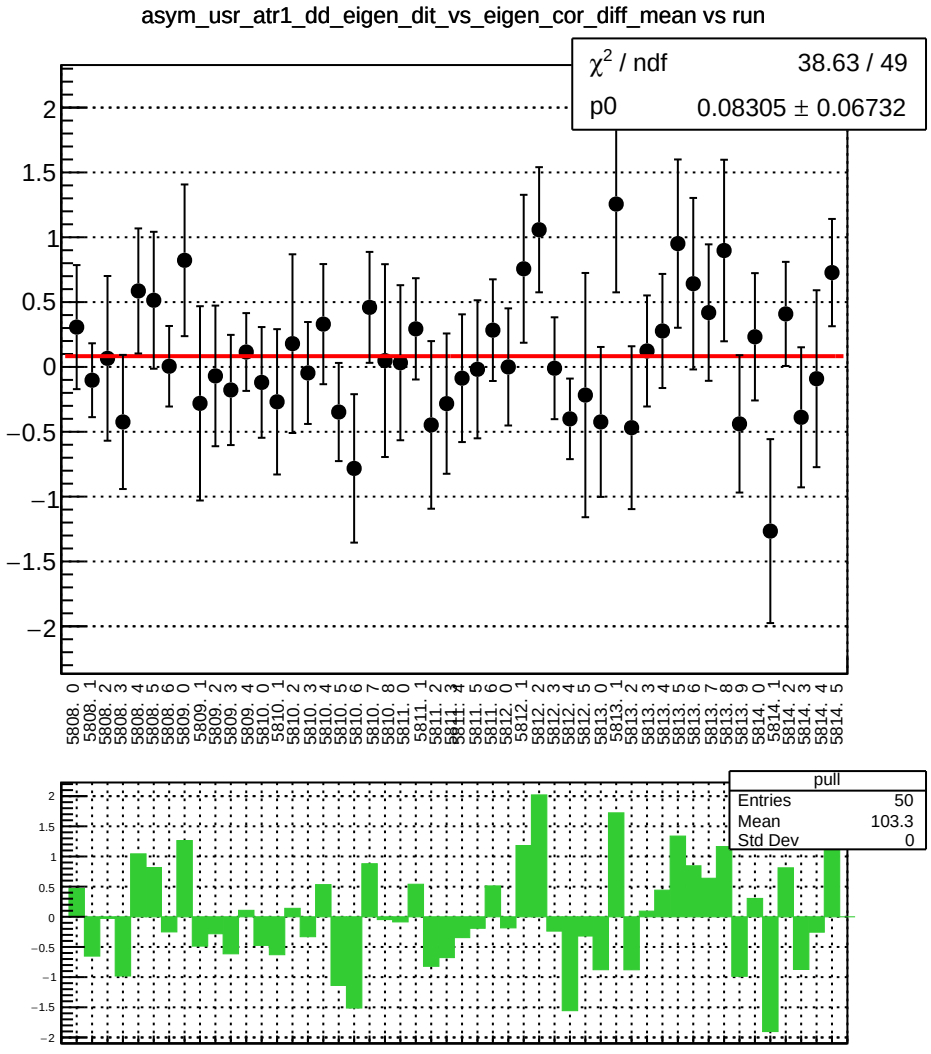

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.415e+04 / 49
p0 45.11 ± 0.0476
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

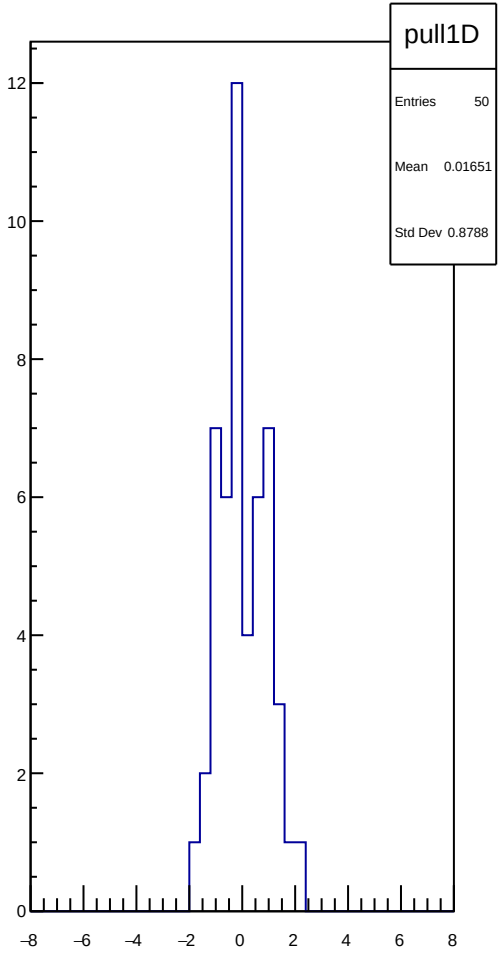

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.63 / 49
p0 −1.197e−05 ± 6.299e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
pull
Entries 50
Mean −613.5
Std Dev 0
pull1D
Entries 50
Mean 0.008184
Std Dev 1.026

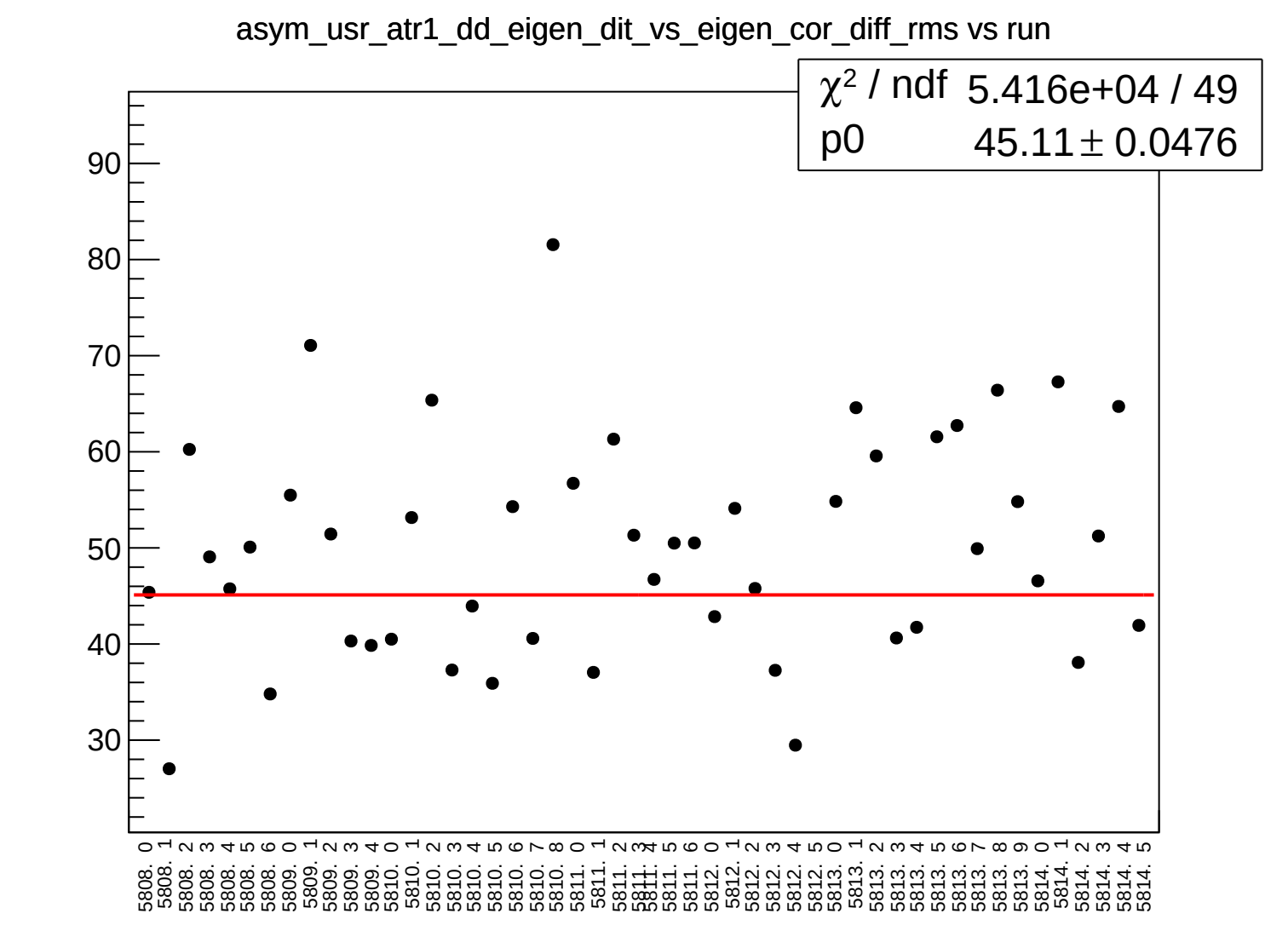

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3196 / 49
p0 0.004339 ± 4.454e−06
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

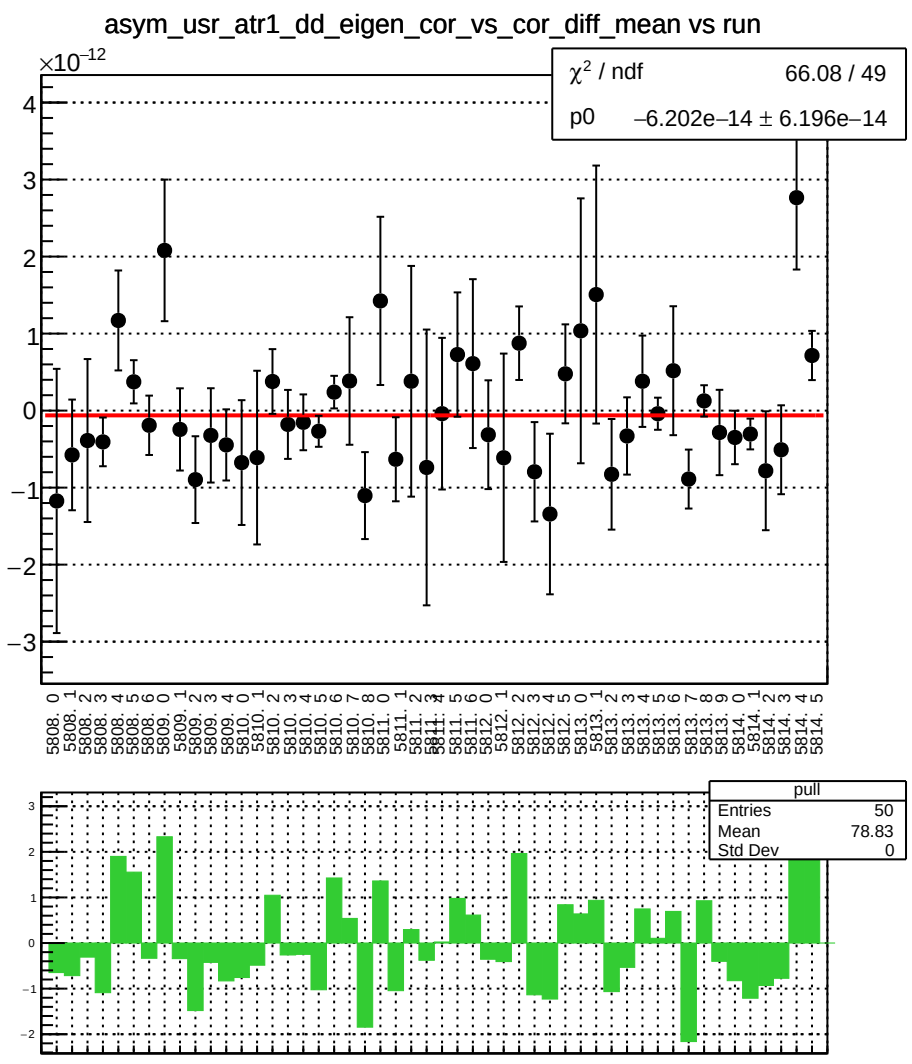

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.63 / 49
p0 0.08305 ± 0.06732
pull
Entries 50
Mean 103.3
Std Dev 0
pull1D
Entries 50
Mean 0.01651
Std Dev 0.8788

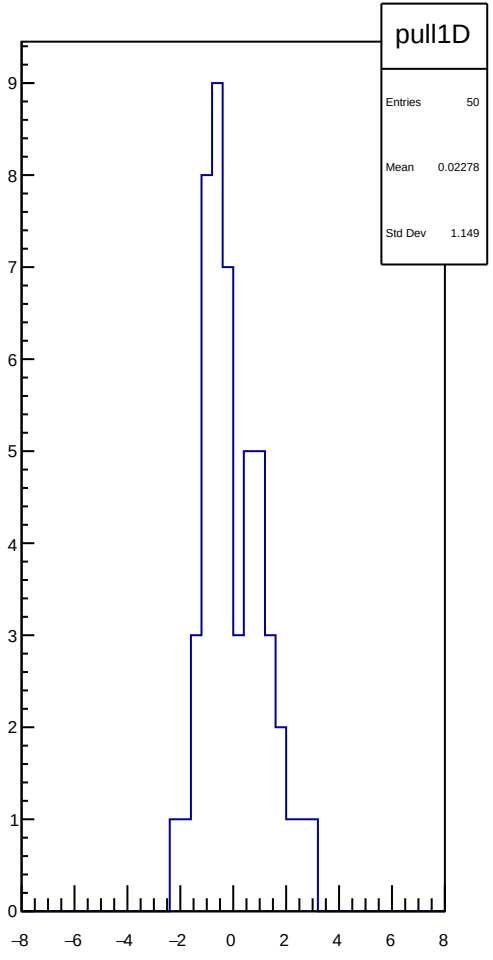

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.416e+04 / 49
p0 45.11 ± 0.0476
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

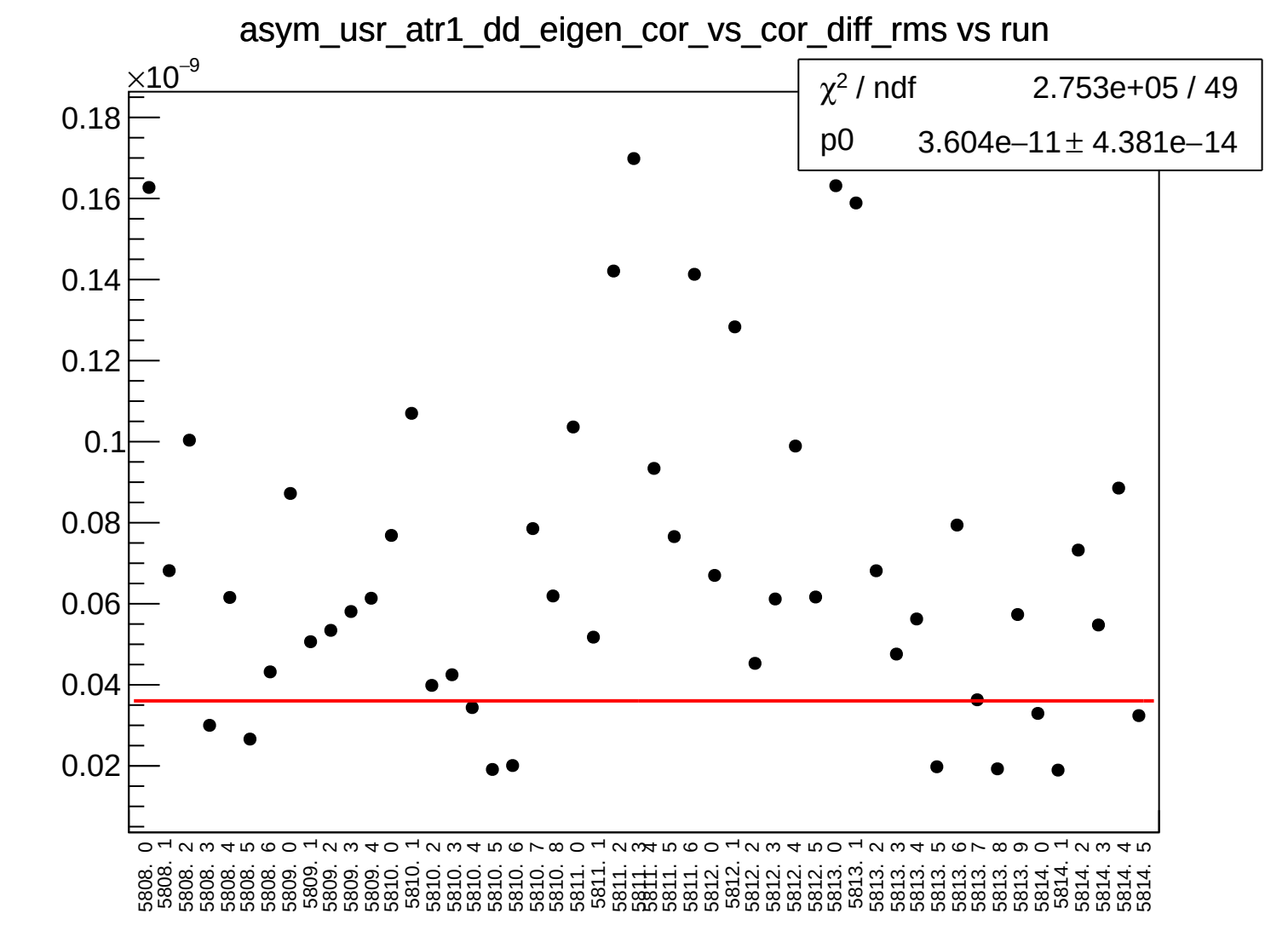

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.63 / 49
p0 0.08305 ± 0.06732
pull
Entries 50
Mean 103.3
Std Dev 0

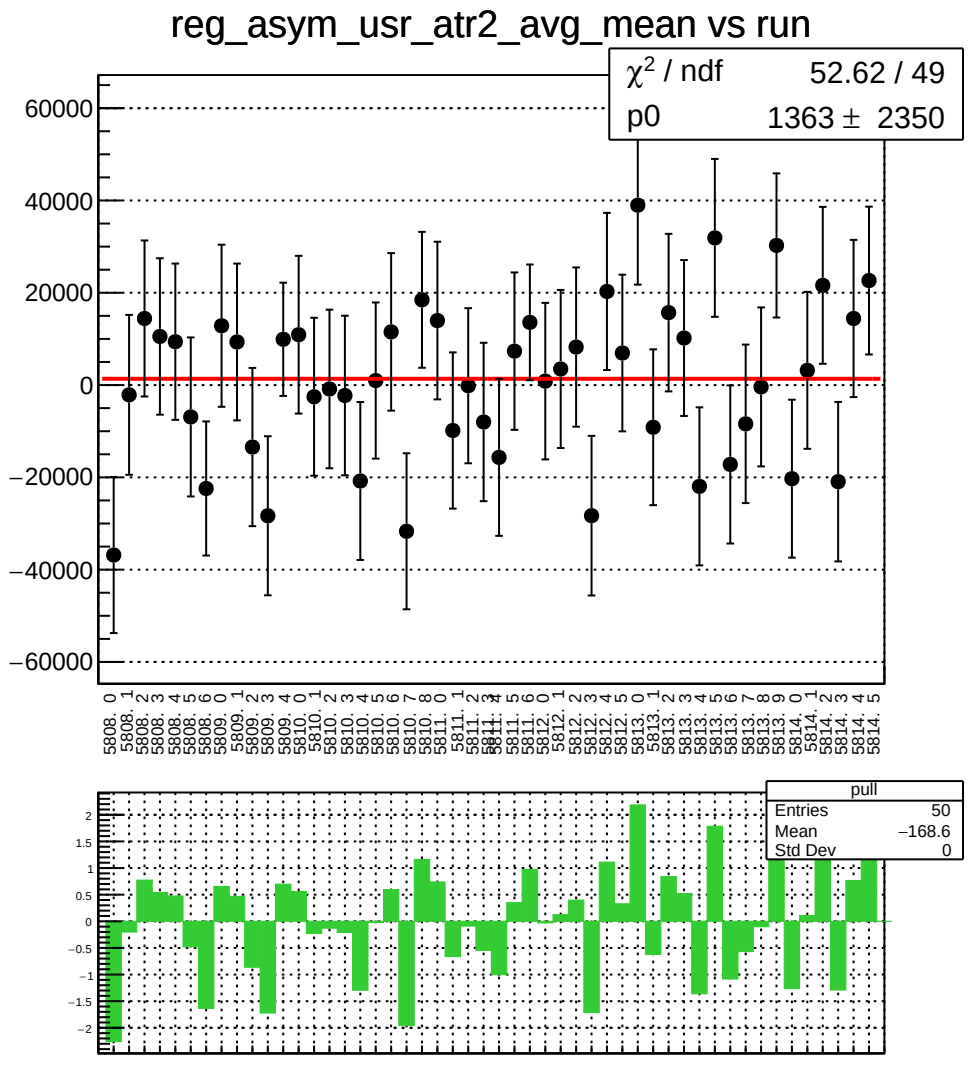

pull1D
Entries 50
Mean 0.01651
Std Dev 0.8788

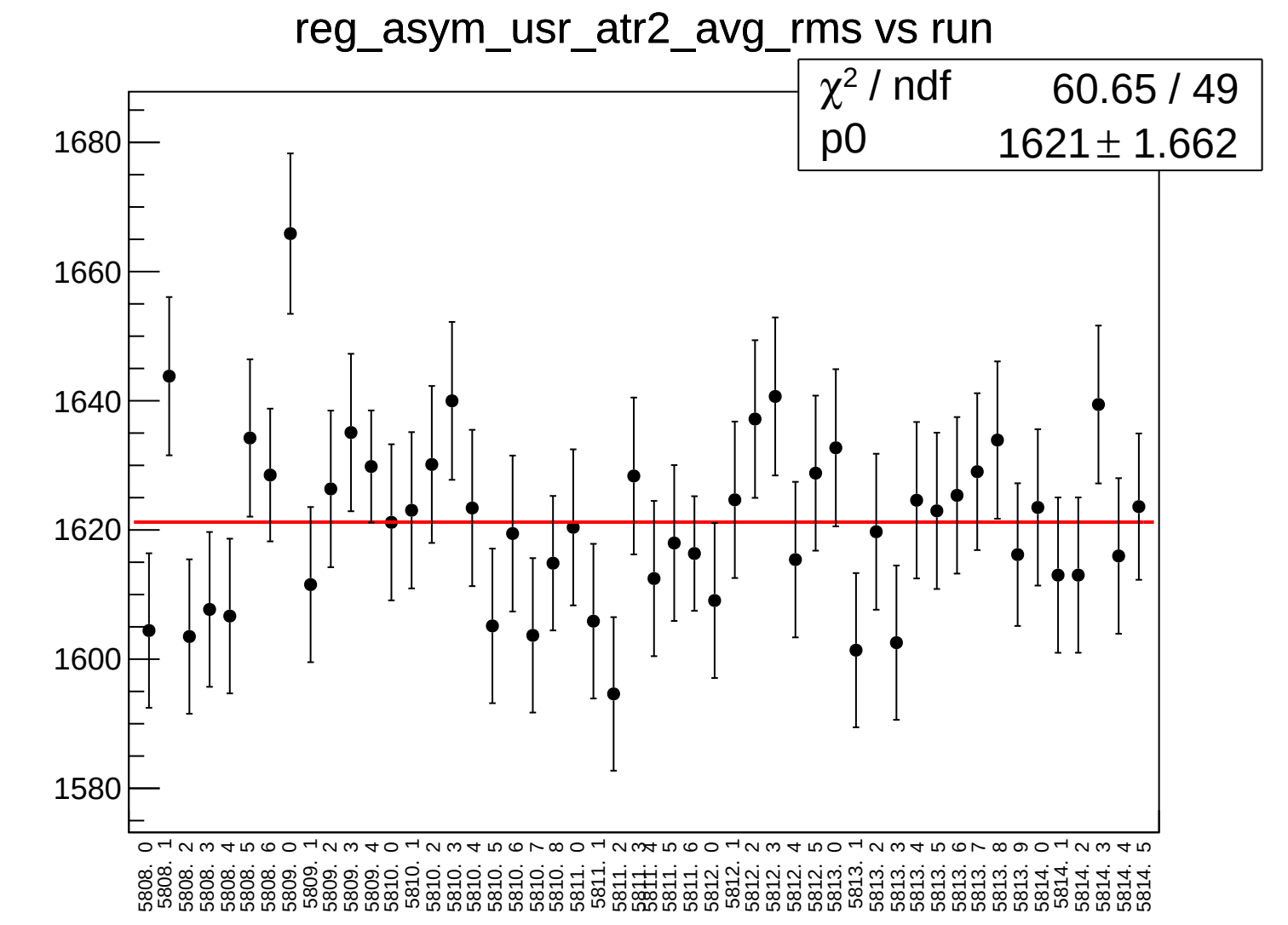

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.416e+04 / 49
p0 45.11 ± 0.0476
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

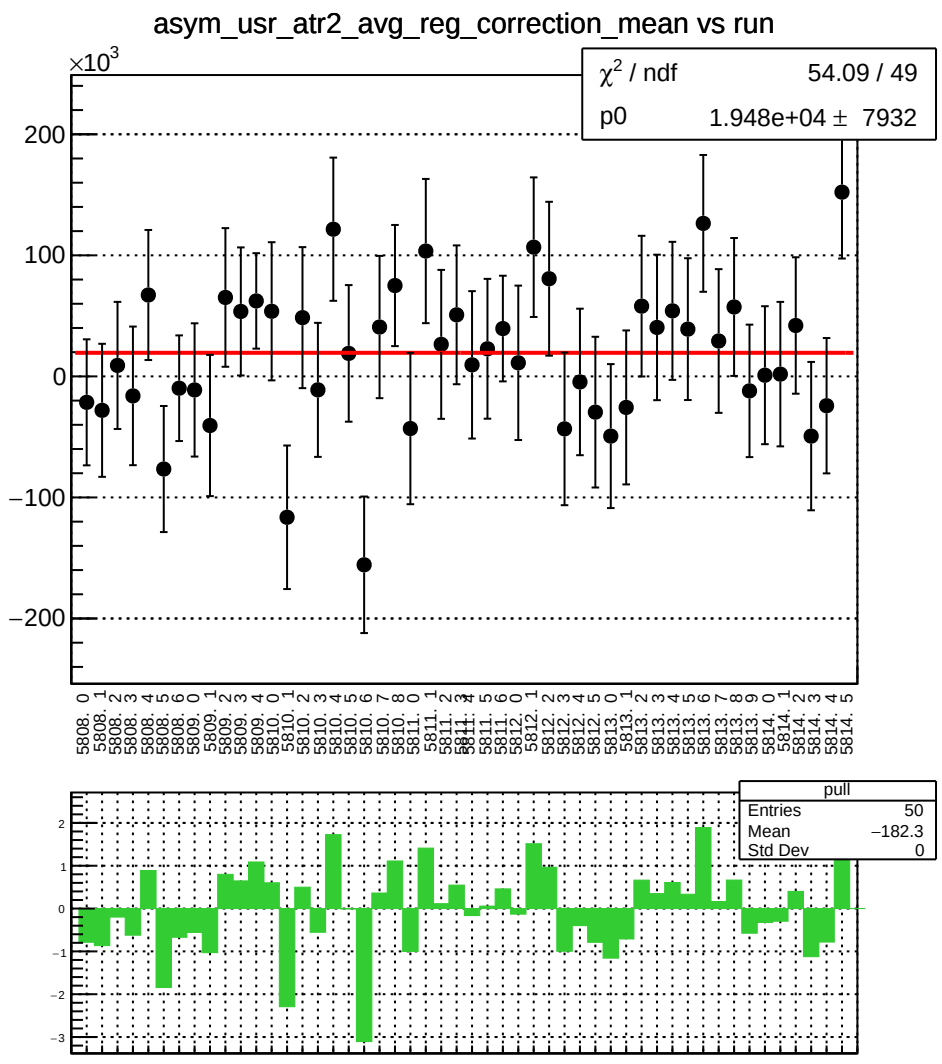

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 66.08 / 49
p0 −6.202e−14 ± 6.196e−14
pull
Entries 50
Mean 78.83
Std Dev 0

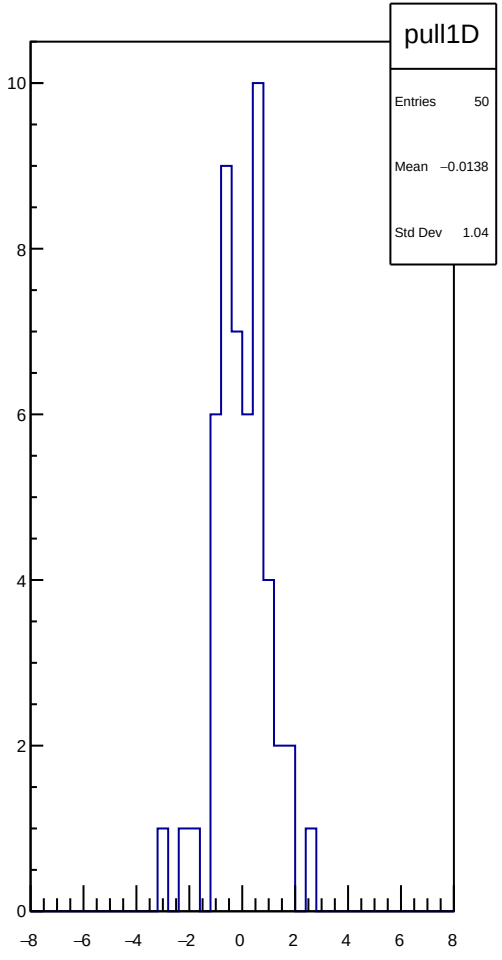

pull1D
Entries 50
Mean 0.02278
Std Dev 1.149

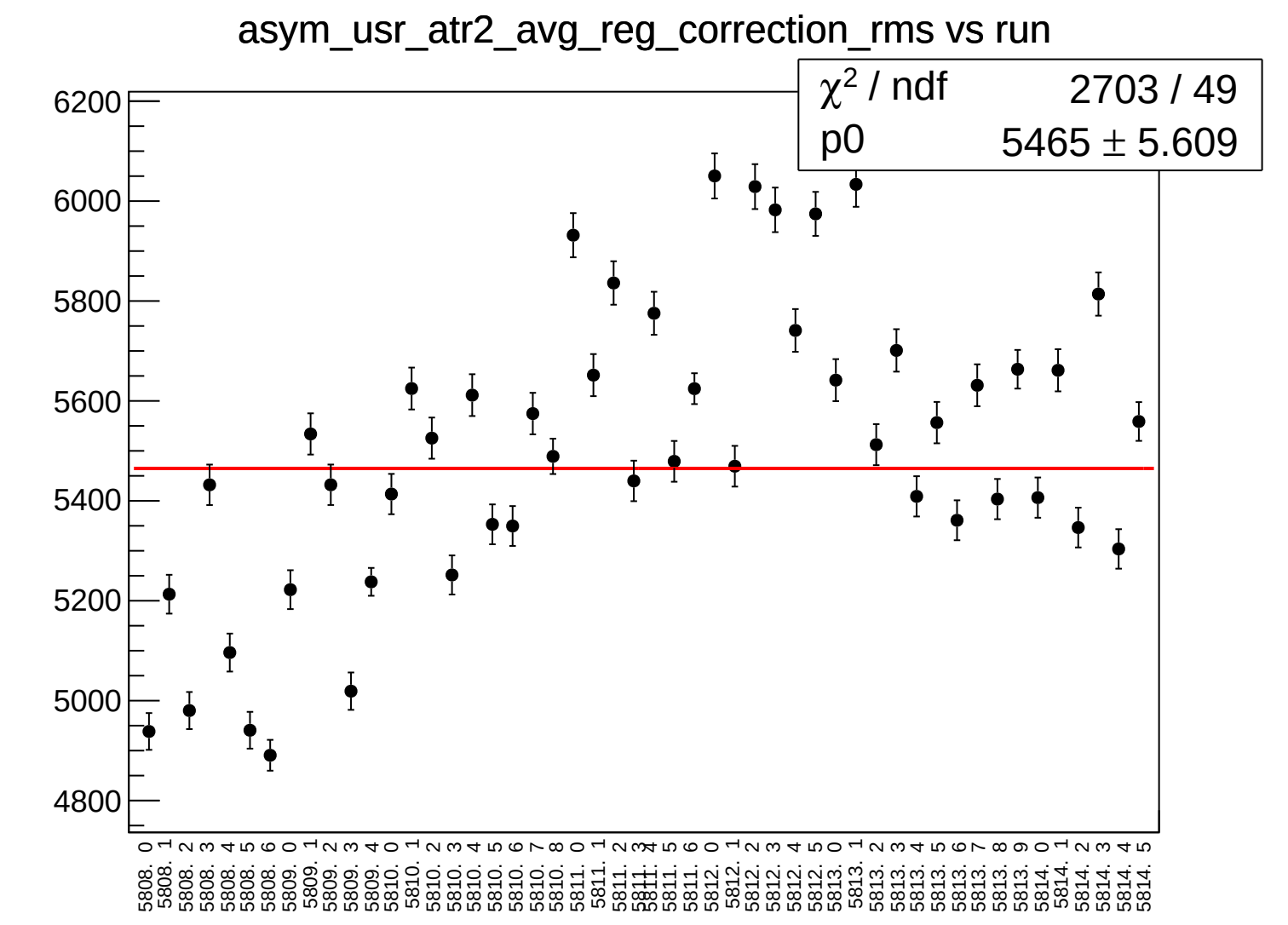

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.753e+05 / 49
p0 3.604e−11 ± 4.381e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

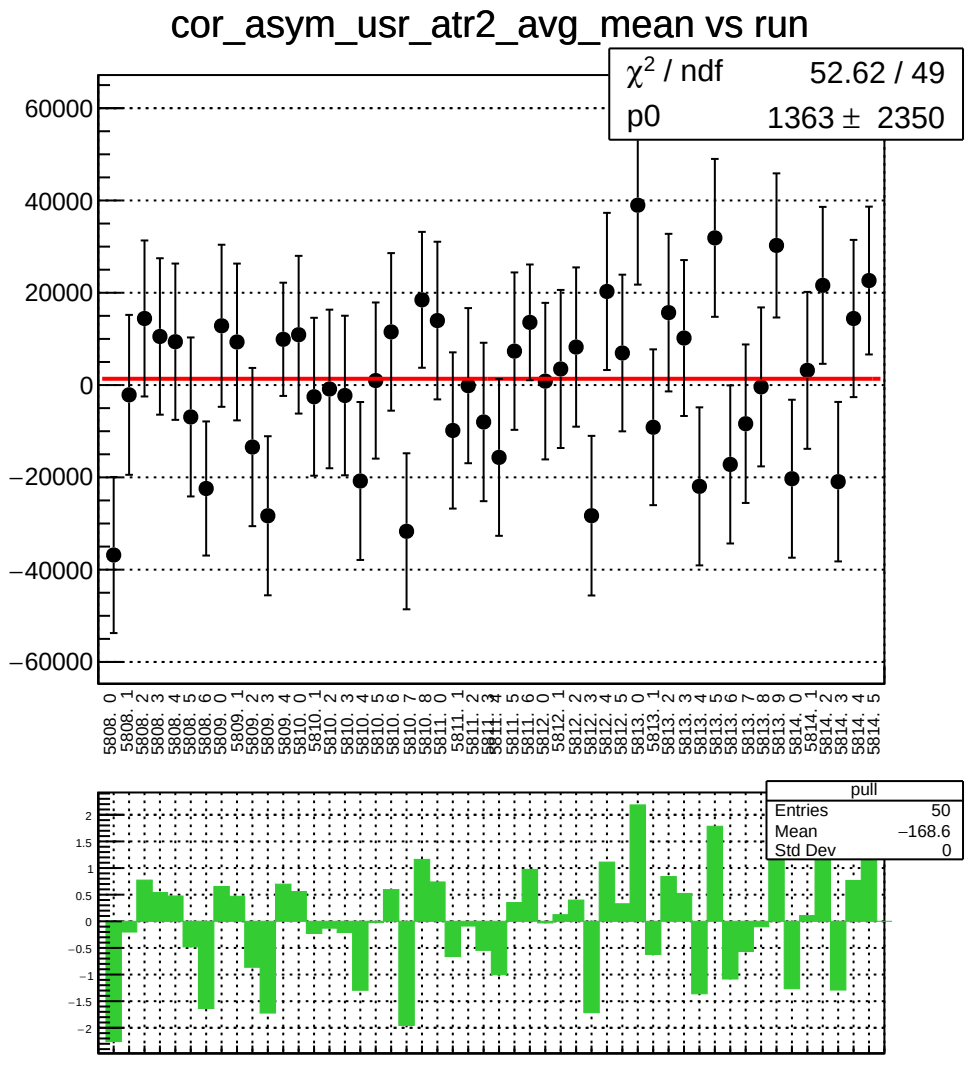

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.62 / 49
p0 1363 ± 2350
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −168.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01611
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

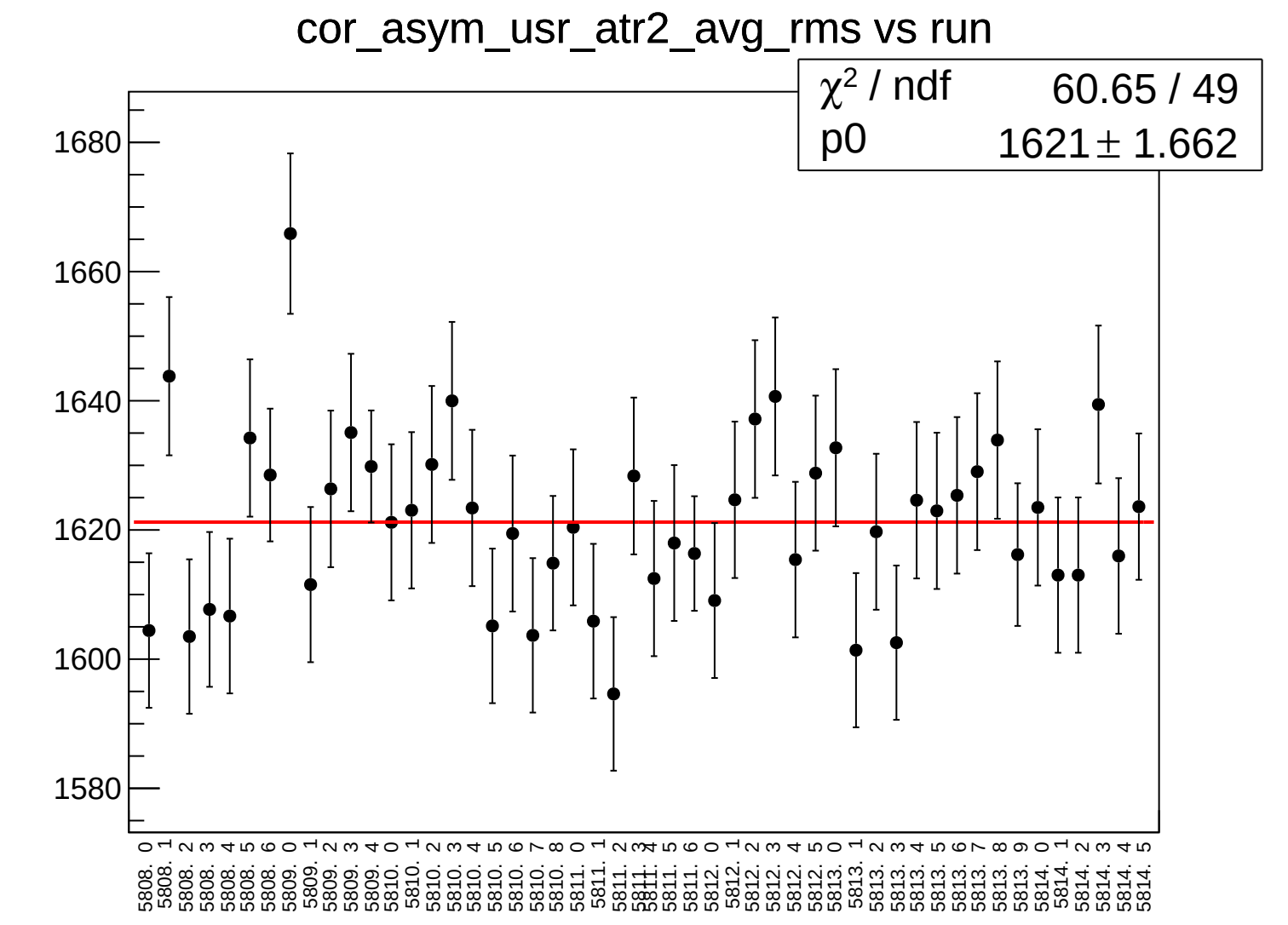

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 60.65 / 49
p0 1621 ± 1.662
1680
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

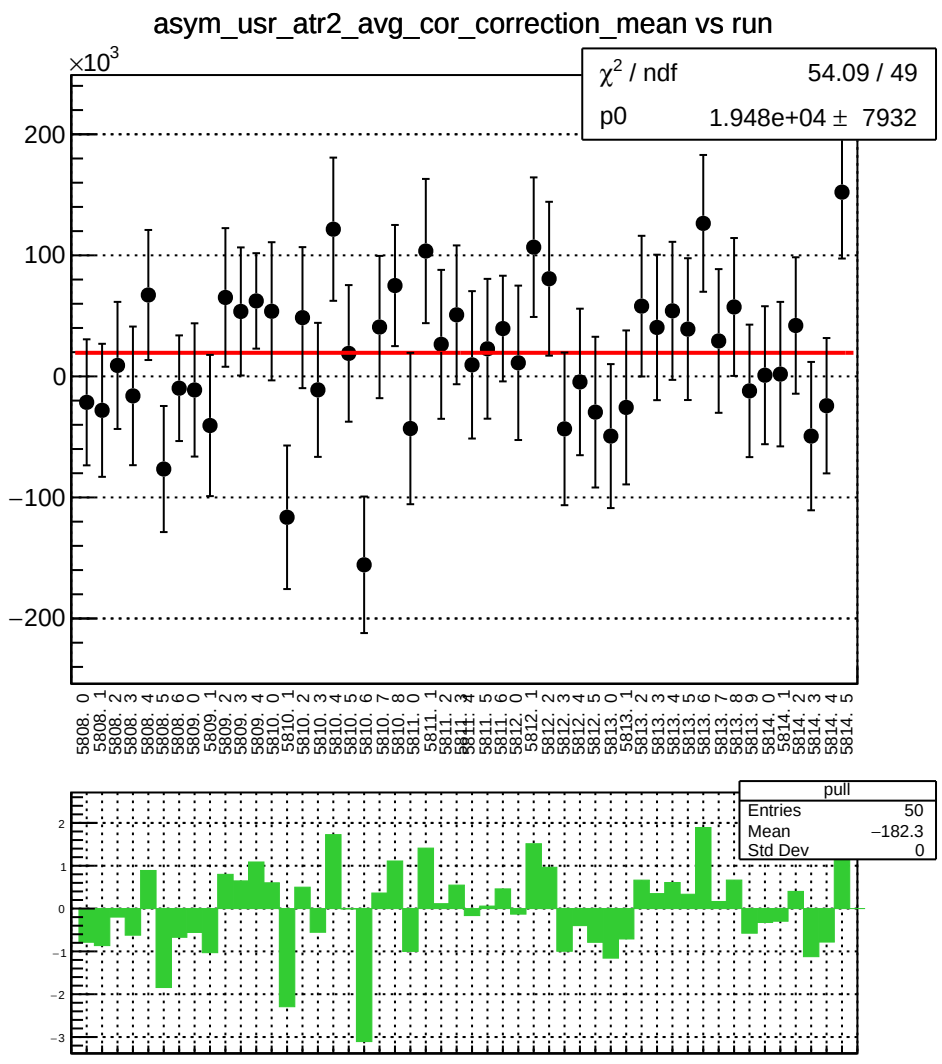

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 54.09 / 49
p0 1.948e+04 ± 7932
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −182.3
Std Dev 0
2
1
0
−1
−2
−3

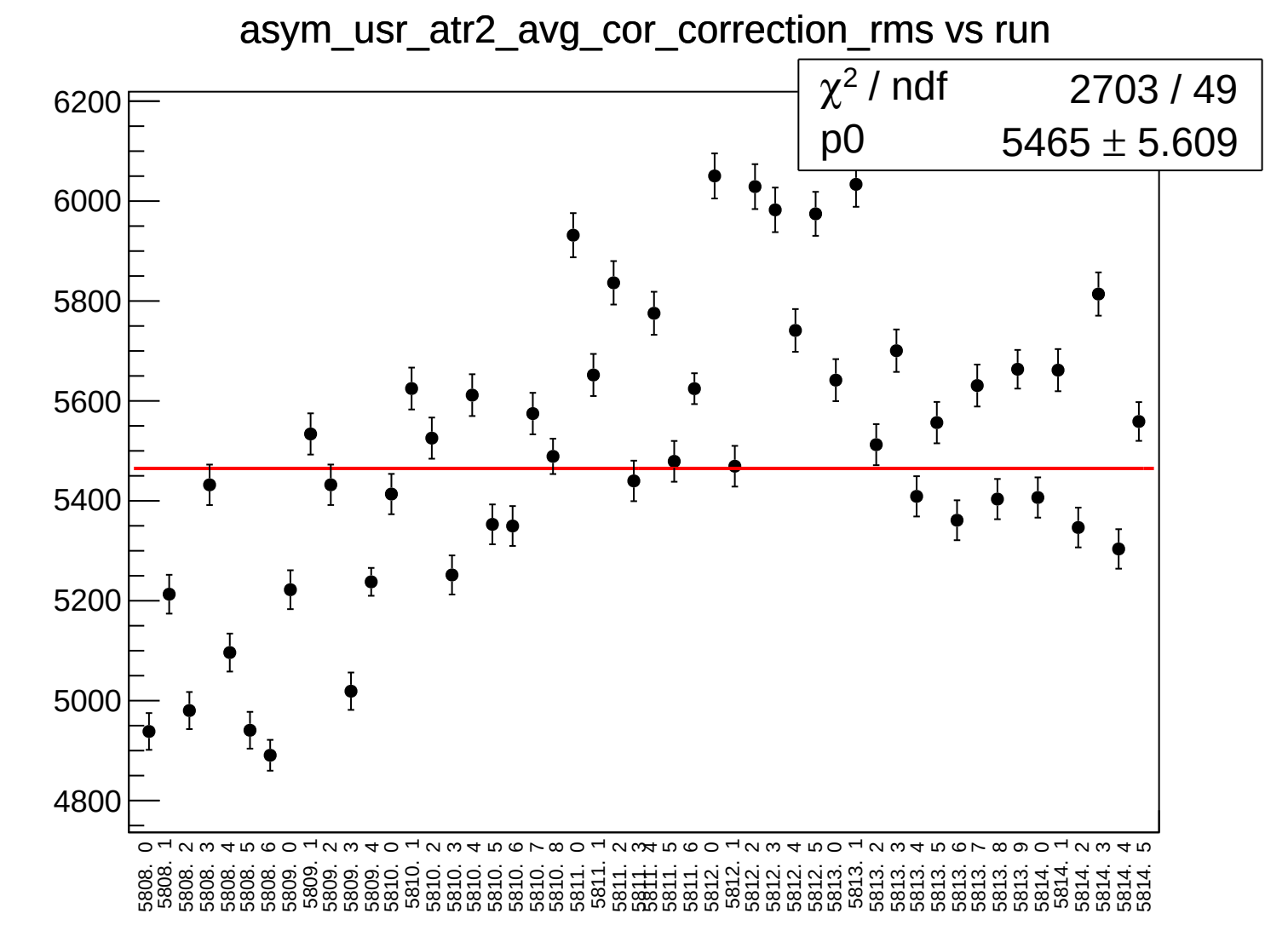

pull1D
Entries 50
Mean −0.0138
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 2703 / 49
p0 5465 ± 5.609
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.62 / 49
p0 1363 ± 2350
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −168.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.0161
Std Dev 1.026
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 60.65 / 49
p0 1621 ± 1.662
1680
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 54.09 / 49
p0 1.948e+04 ± 7932
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −182.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0138
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_cor_correction_rms vs run
χ² / ndf 2703 / 49
p0 5465 ± 5.609
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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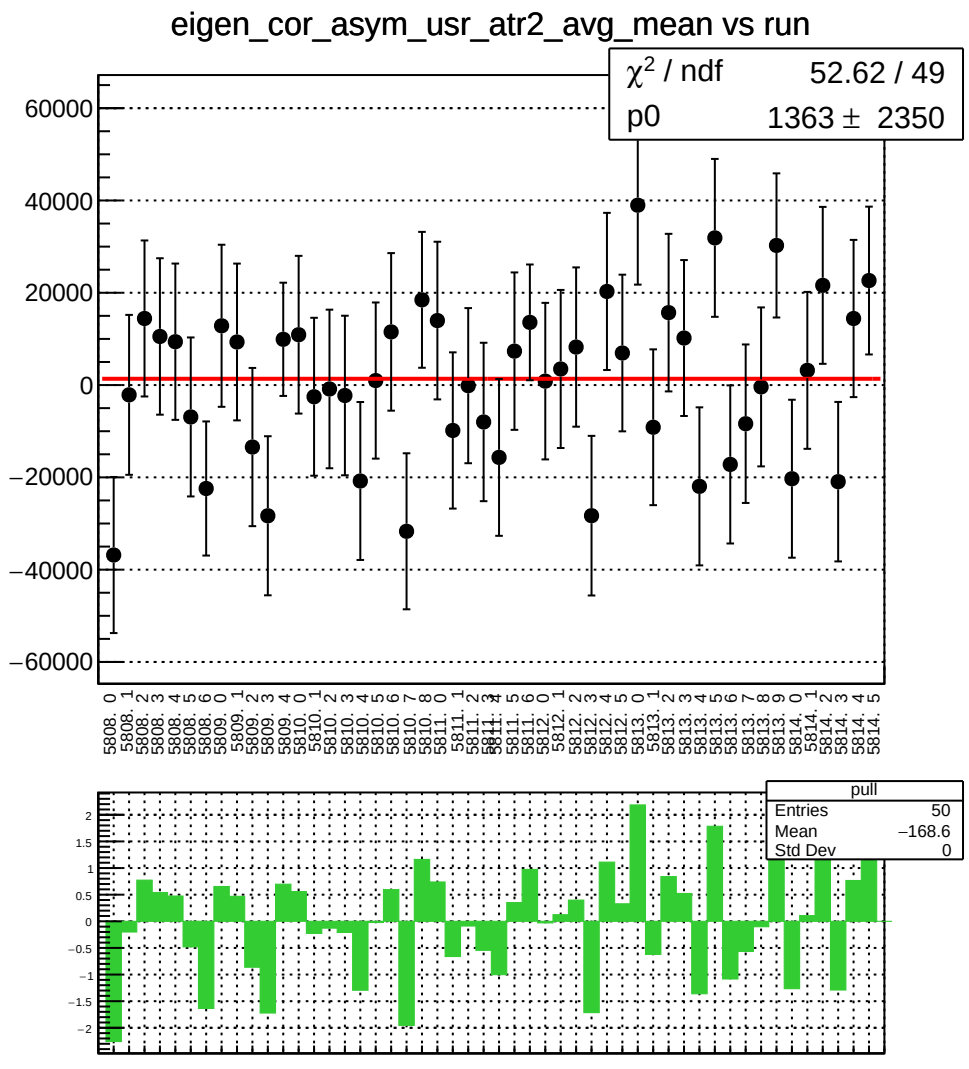
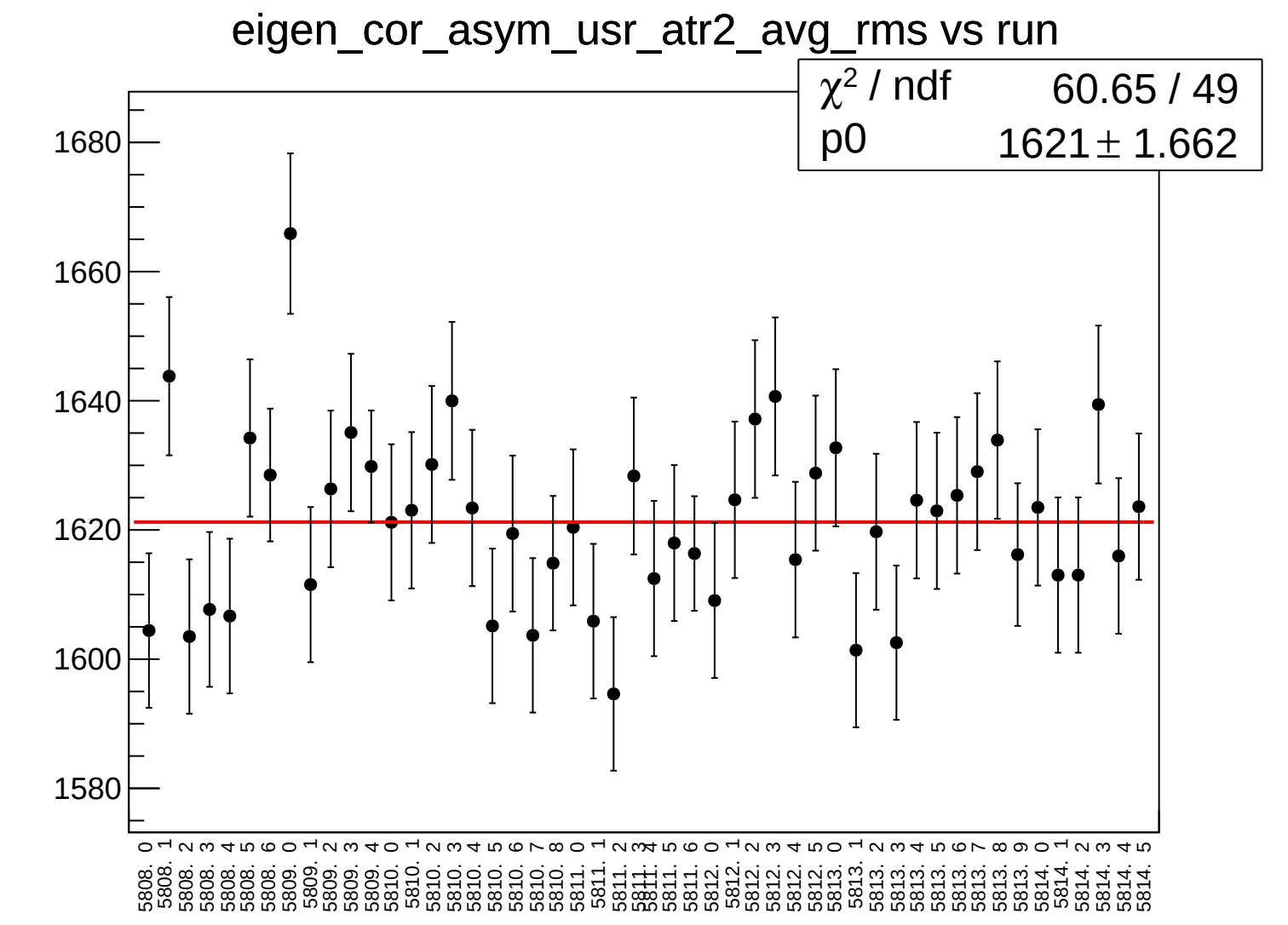
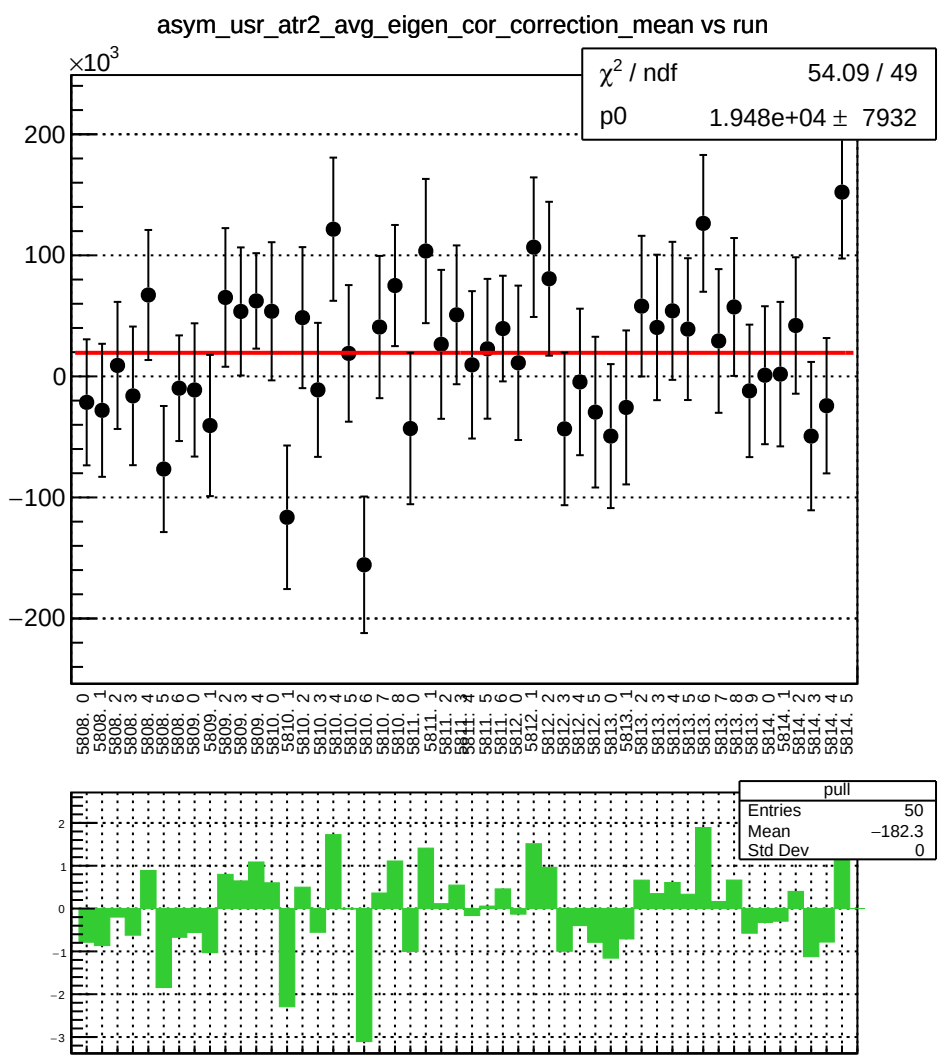
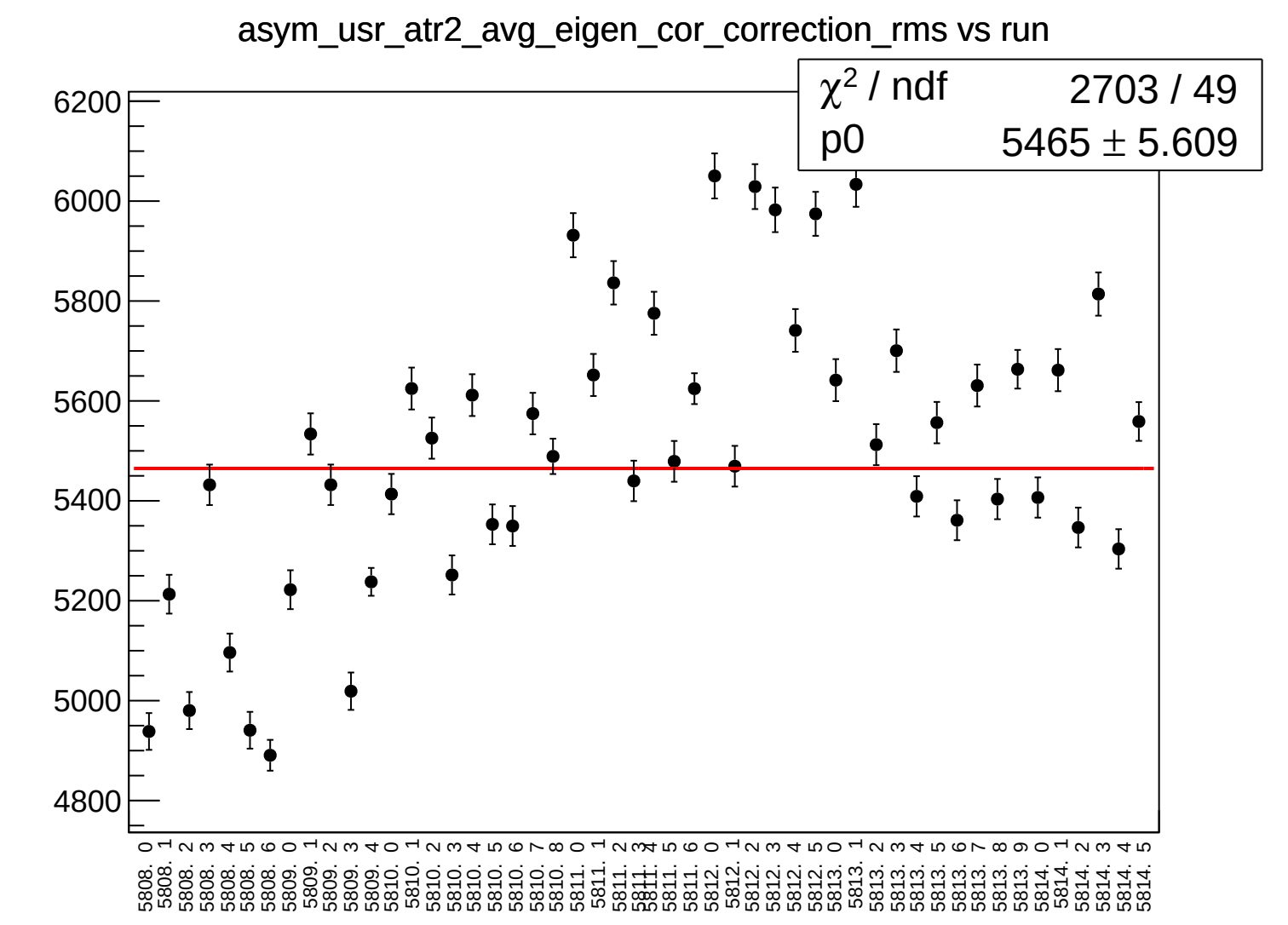
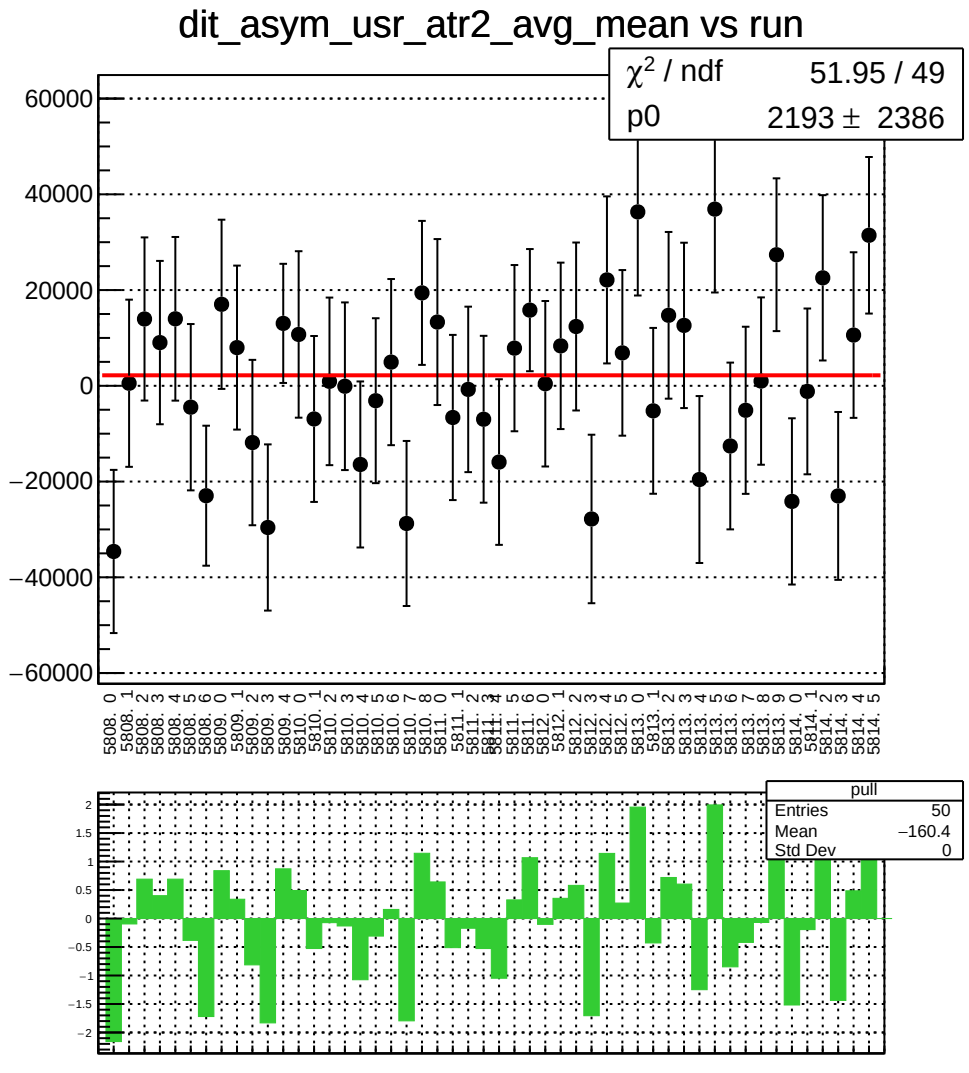
5814. 2
5814. 3
5814. 4
5814. 5

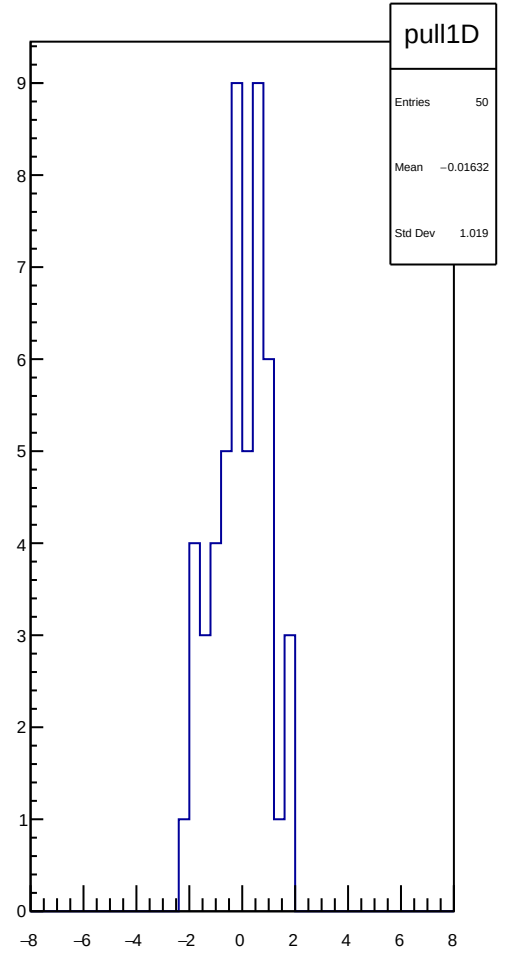

eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 52.62 / 49
p0 1363 ± 2350
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −168.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.0161
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

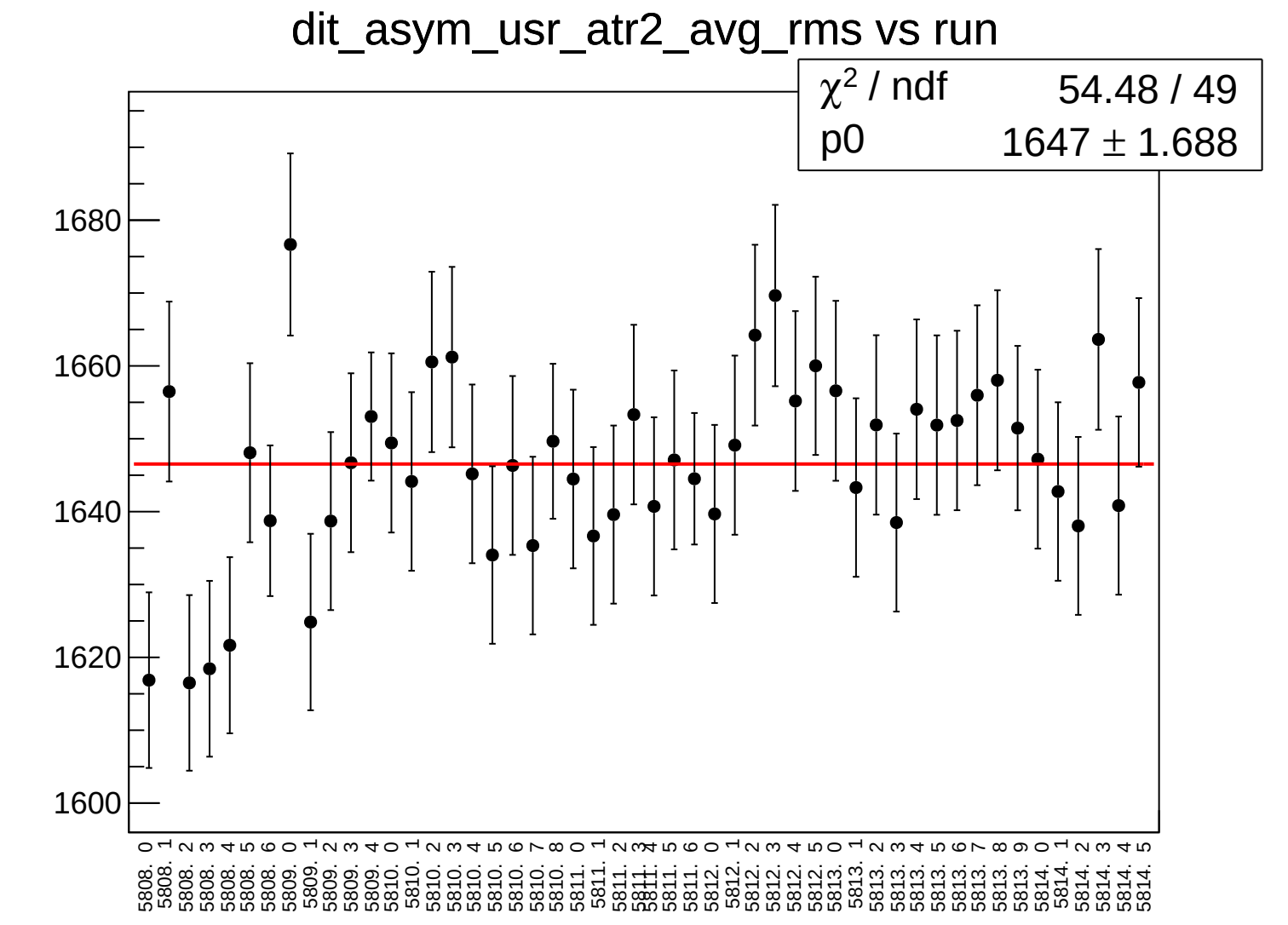

eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 60.65 / 49
p0 1621 ± 1.662
1680
1660
1640
1620
1600
1580
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

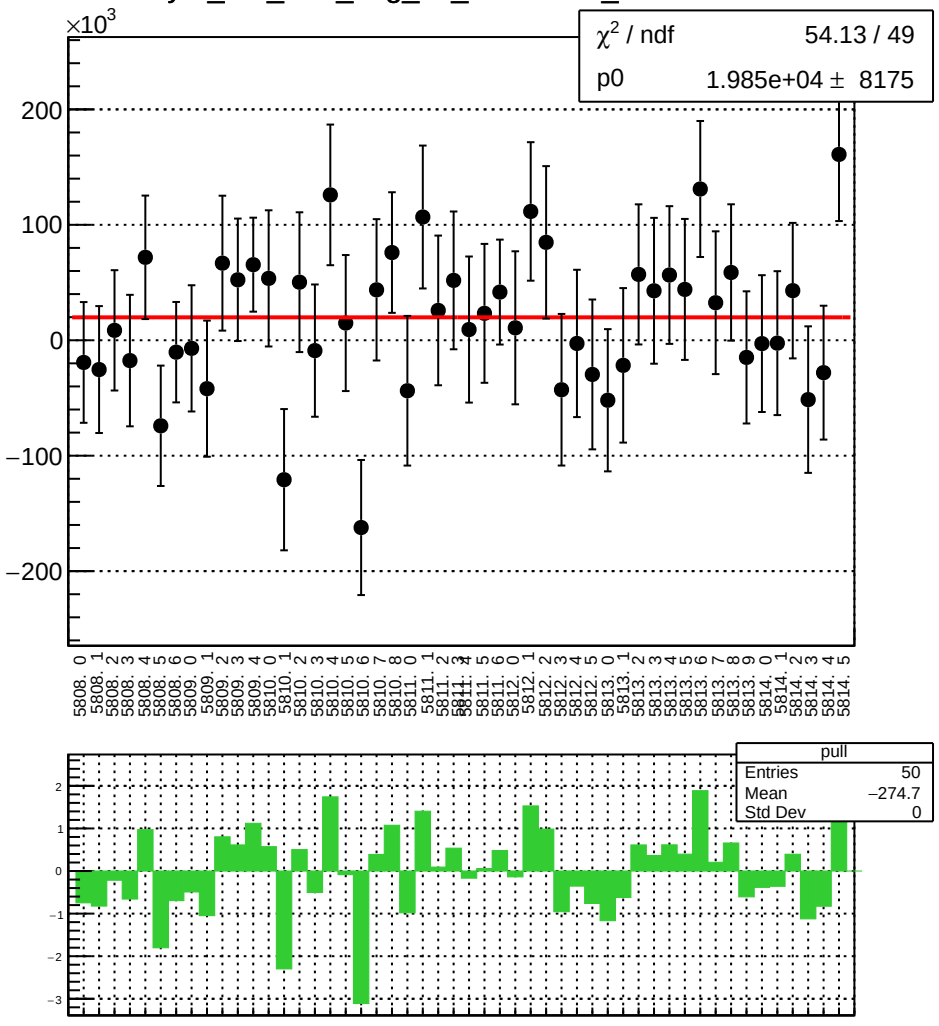

asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 54.09 / 49
p0 1.948e+04 ± 7932
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −182.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0138
Std Dev 1.04
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

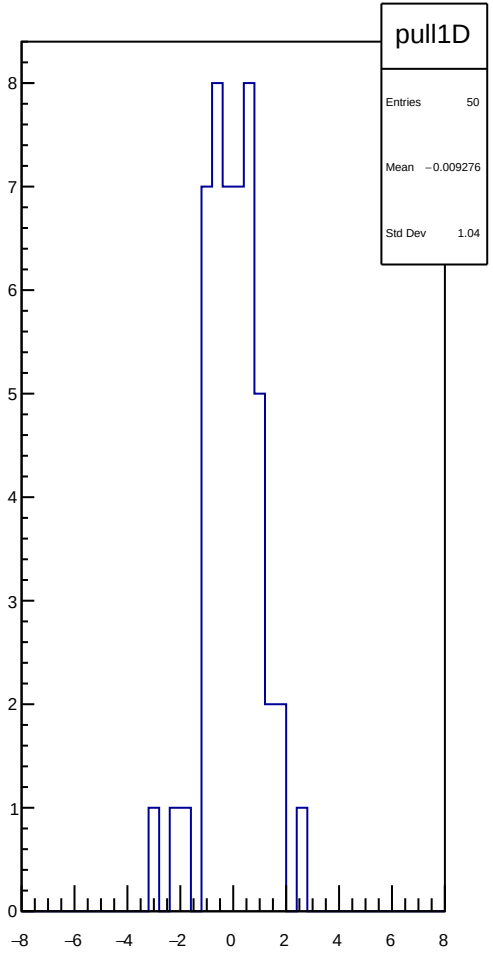

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 2703 / 49
p0 5465 ± 5.609
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

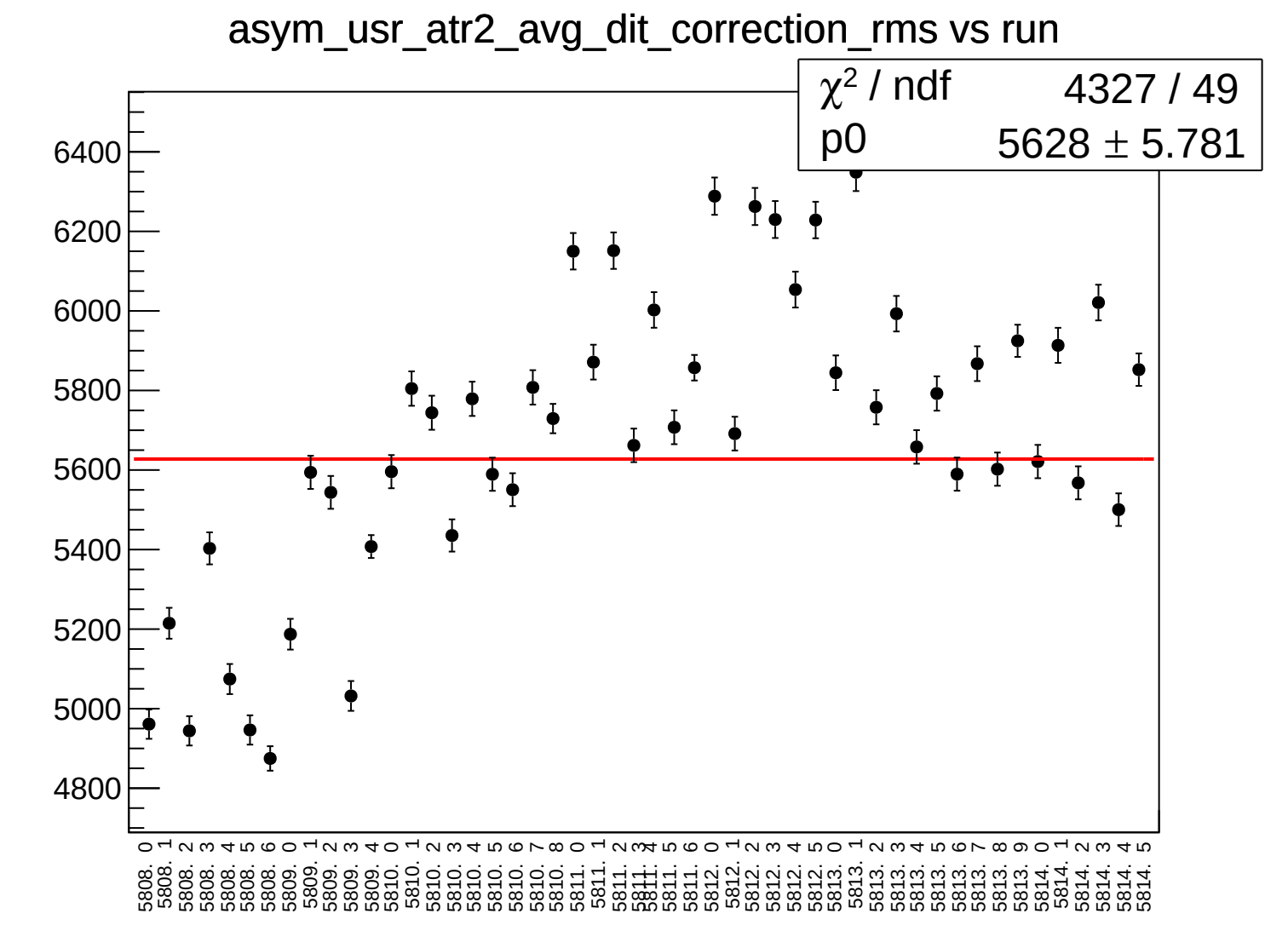

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.95 / 49
p0 2193 ± 2386
pull
Entries 50
Mean −160.4
Std Dev 0

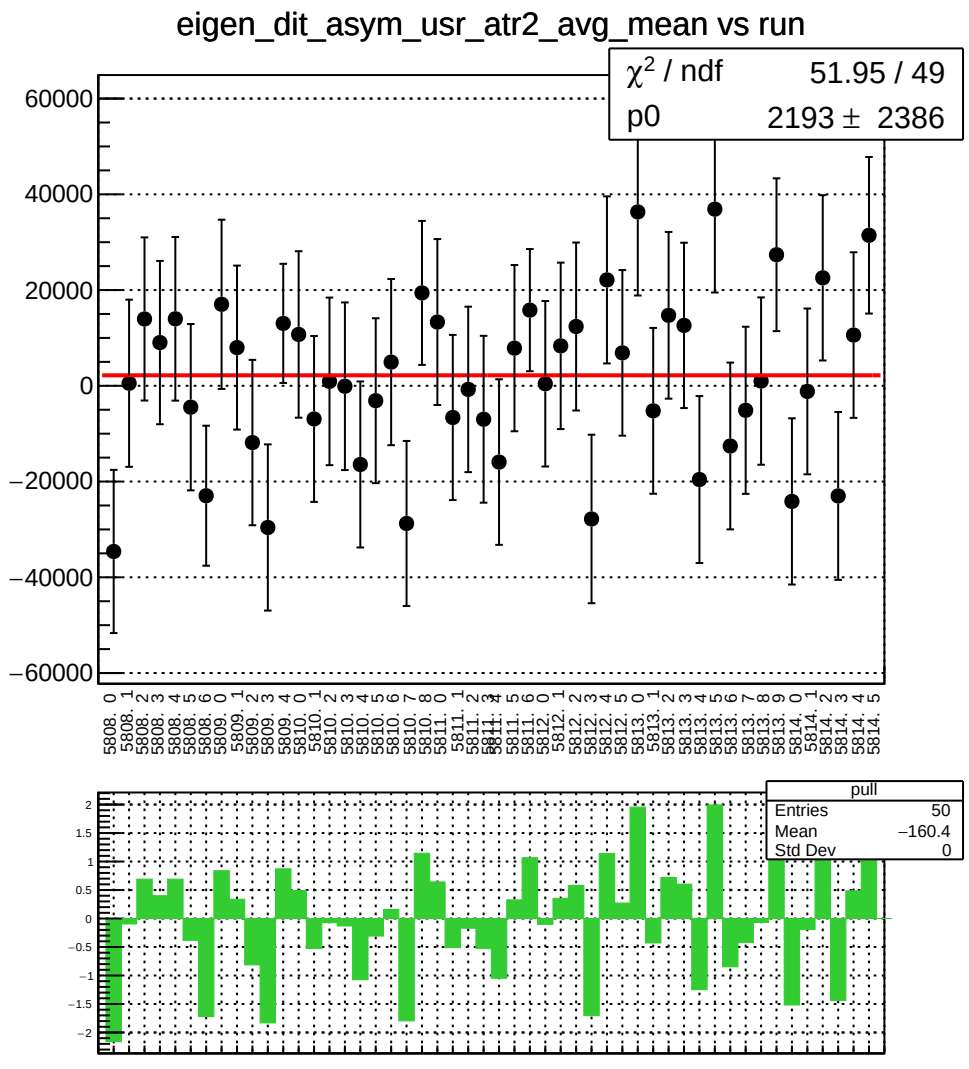

pull1D
Entries 50
Mean −0.01632
Std Dev 1.019

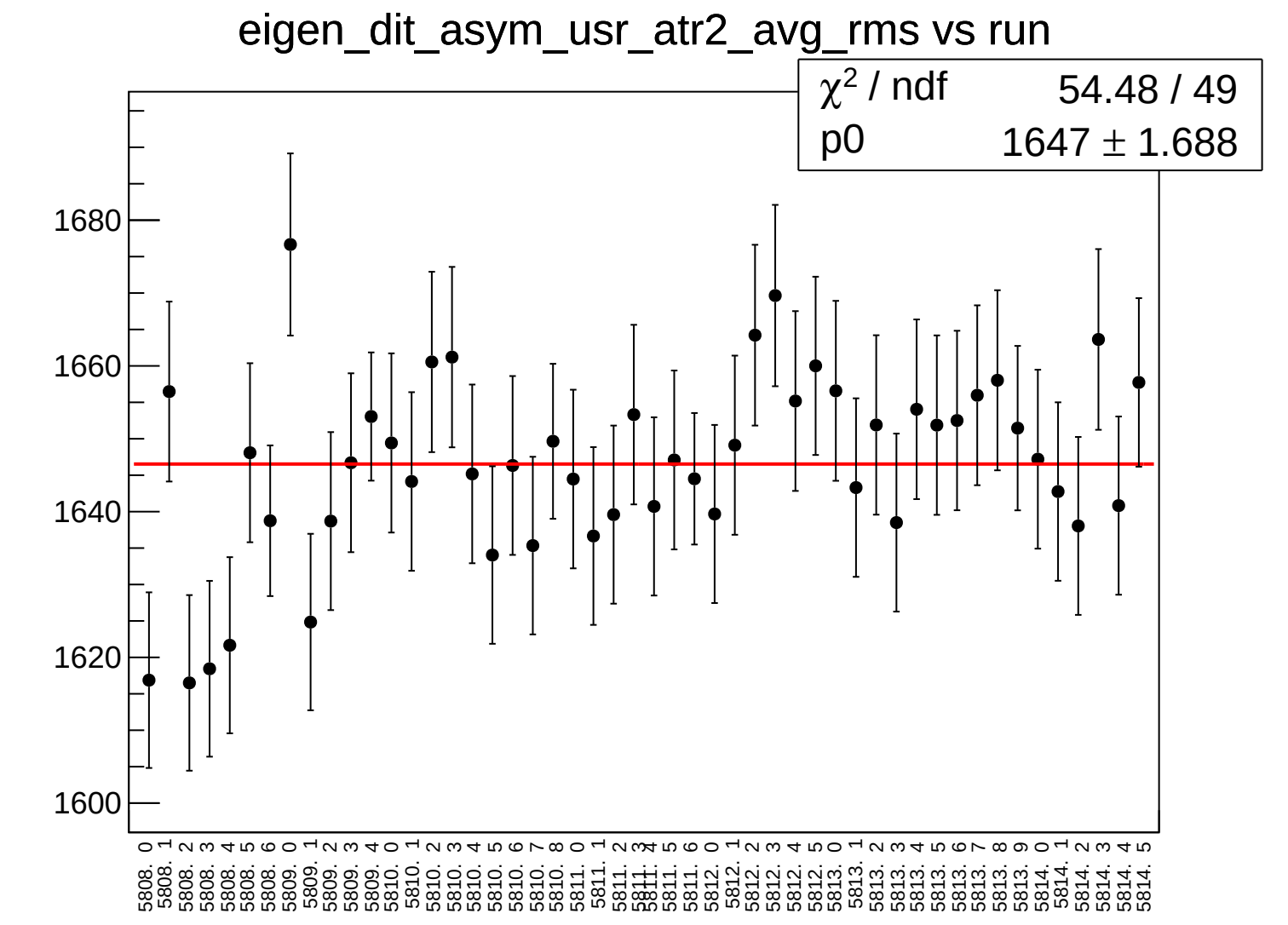

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 54.48 / 49
p0 1647 ± 1.688
1680
1660
1640
1620
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

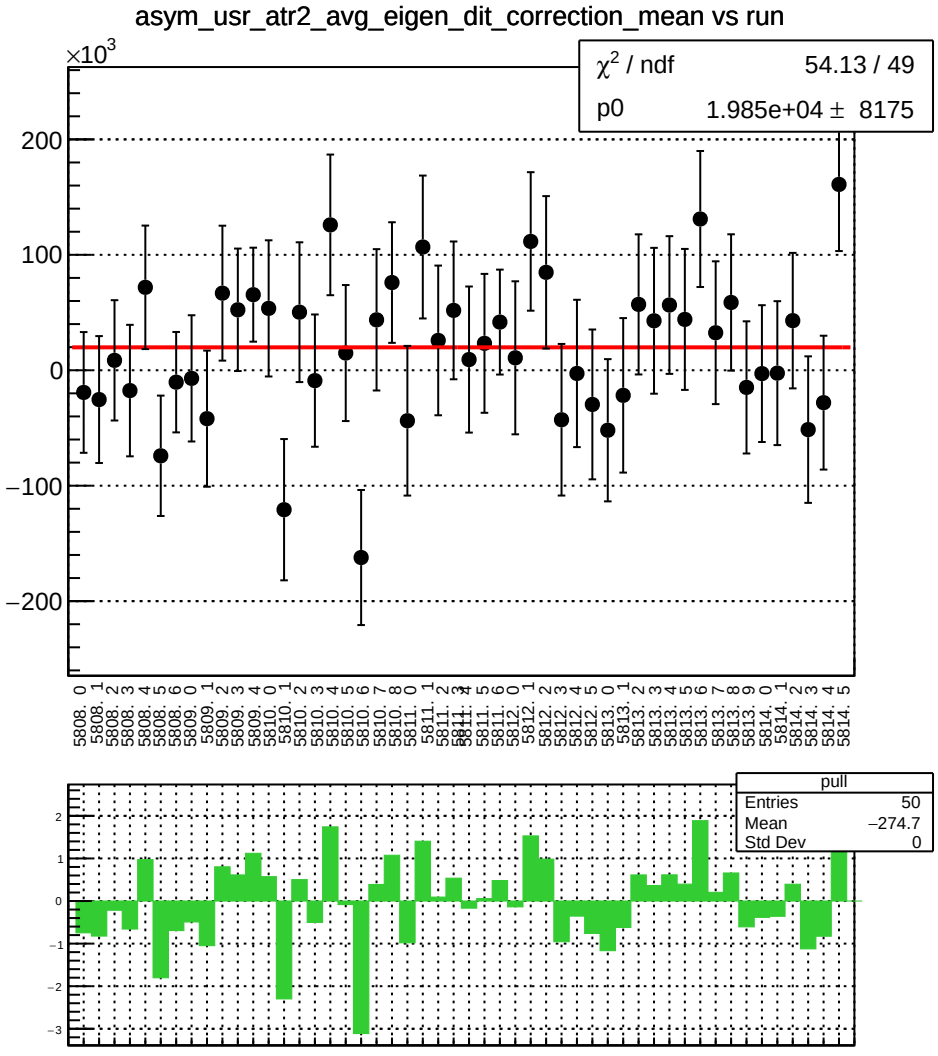

asym_usr_atr2_avg_dit_correction_mean vs run
χ² / ndf 54.13 / 49
p0 1.985e+04 ± 8175
pull
Entries 50
Mean −274.7
Std Dev 0

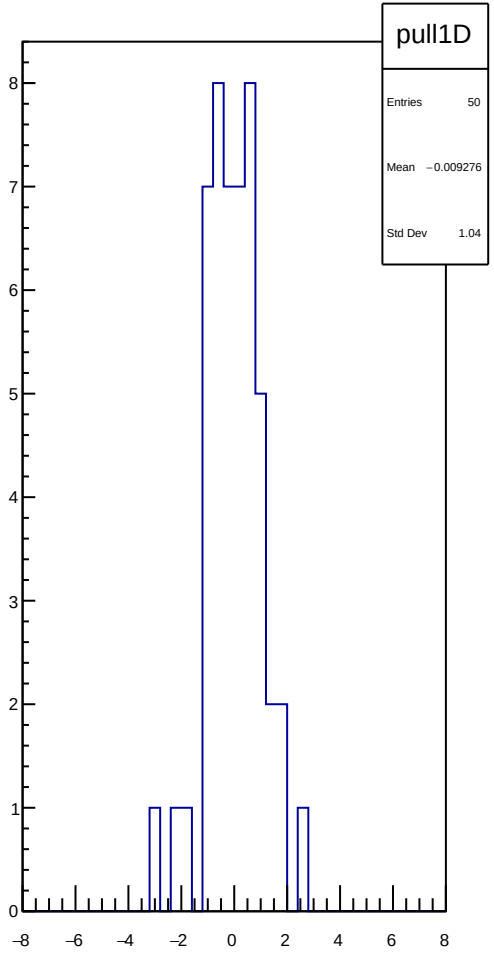

pull1D
Entries 50
Mean −0.009276
Std Dev 1.04

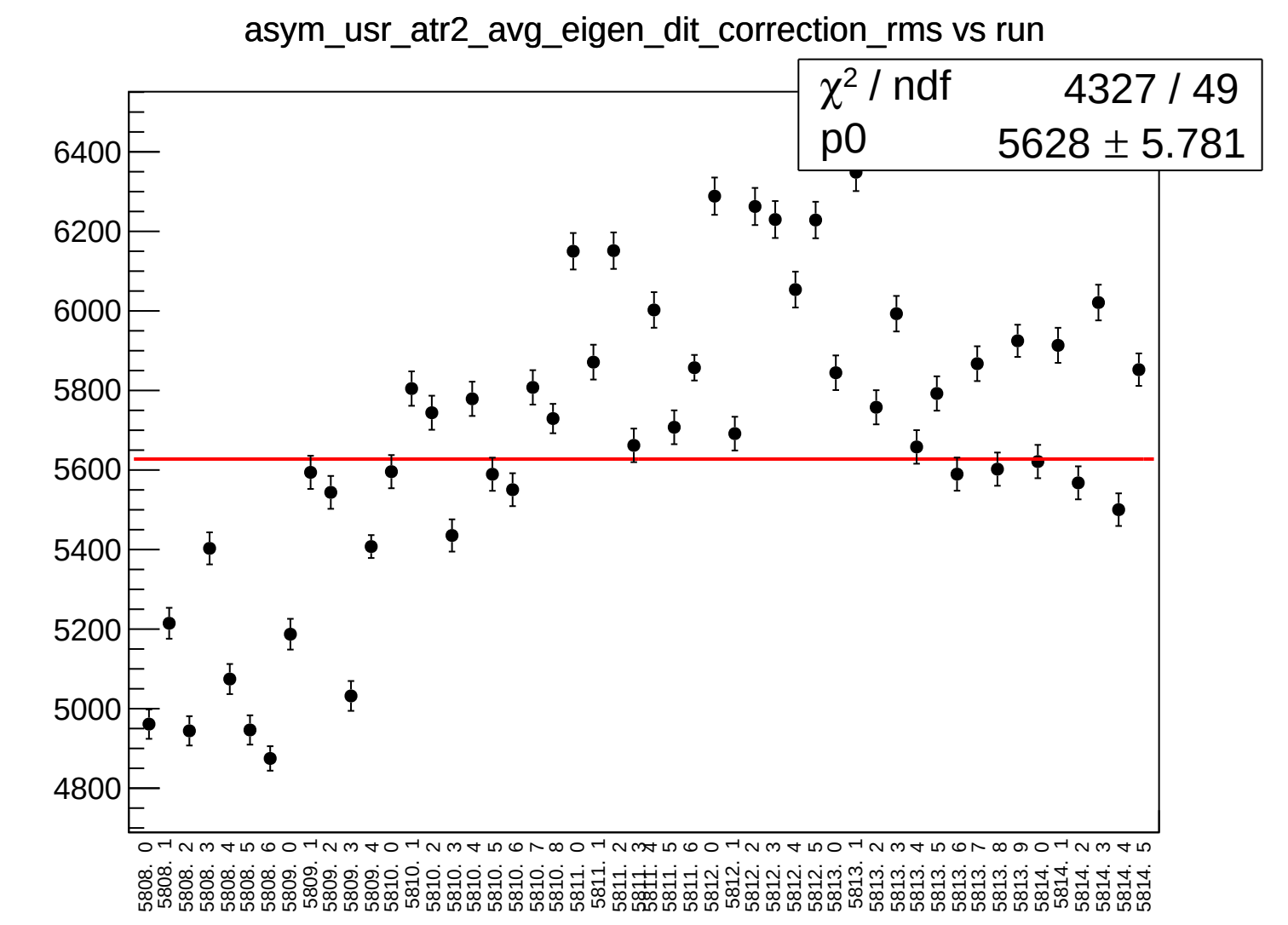

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 4327 / 49
p0 5628 ± 5.781
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

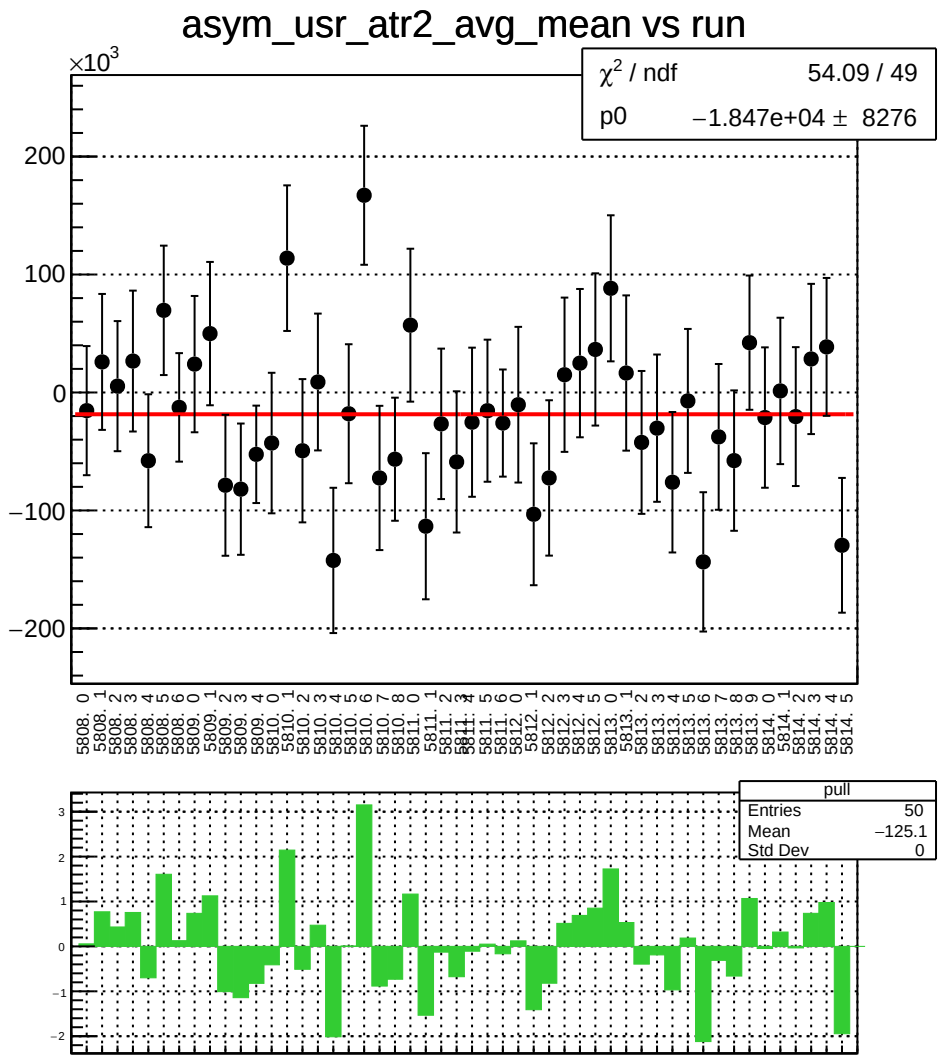

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 51.95 / 49
p0 2193 ± 2386
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −160.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01632
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 54.48 / 49
p0 1647 ± 1.688
1680
1660
1640
1620
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 54.13 / 49
p0 1.985e+04 ± 8175
200
100
0
−100
−200
pull
Entries 50
Mean −274.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.009276
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 4327 / 49
p0 5628 ± 5.781
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 54.09 / 49
p0 −1.847e+04 ± 8276
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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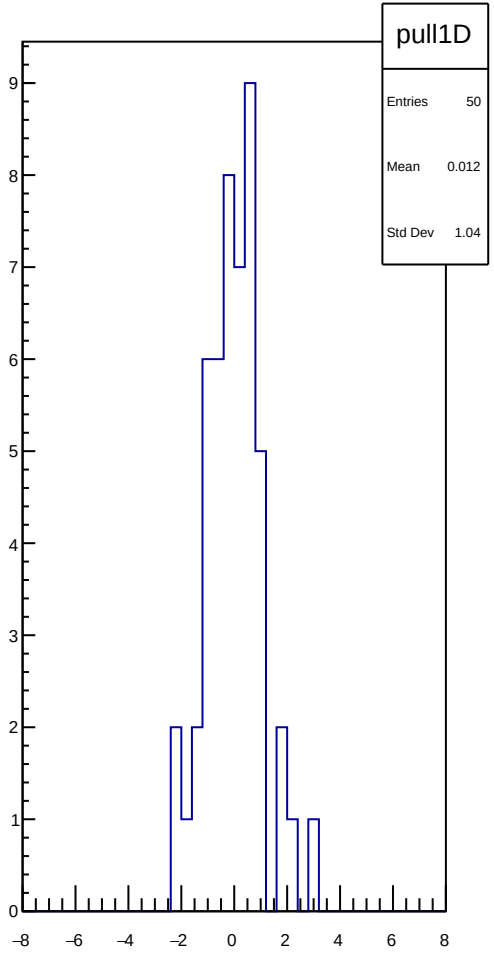
5814. 5
pull
Entries 50
Mean −125.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.012
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
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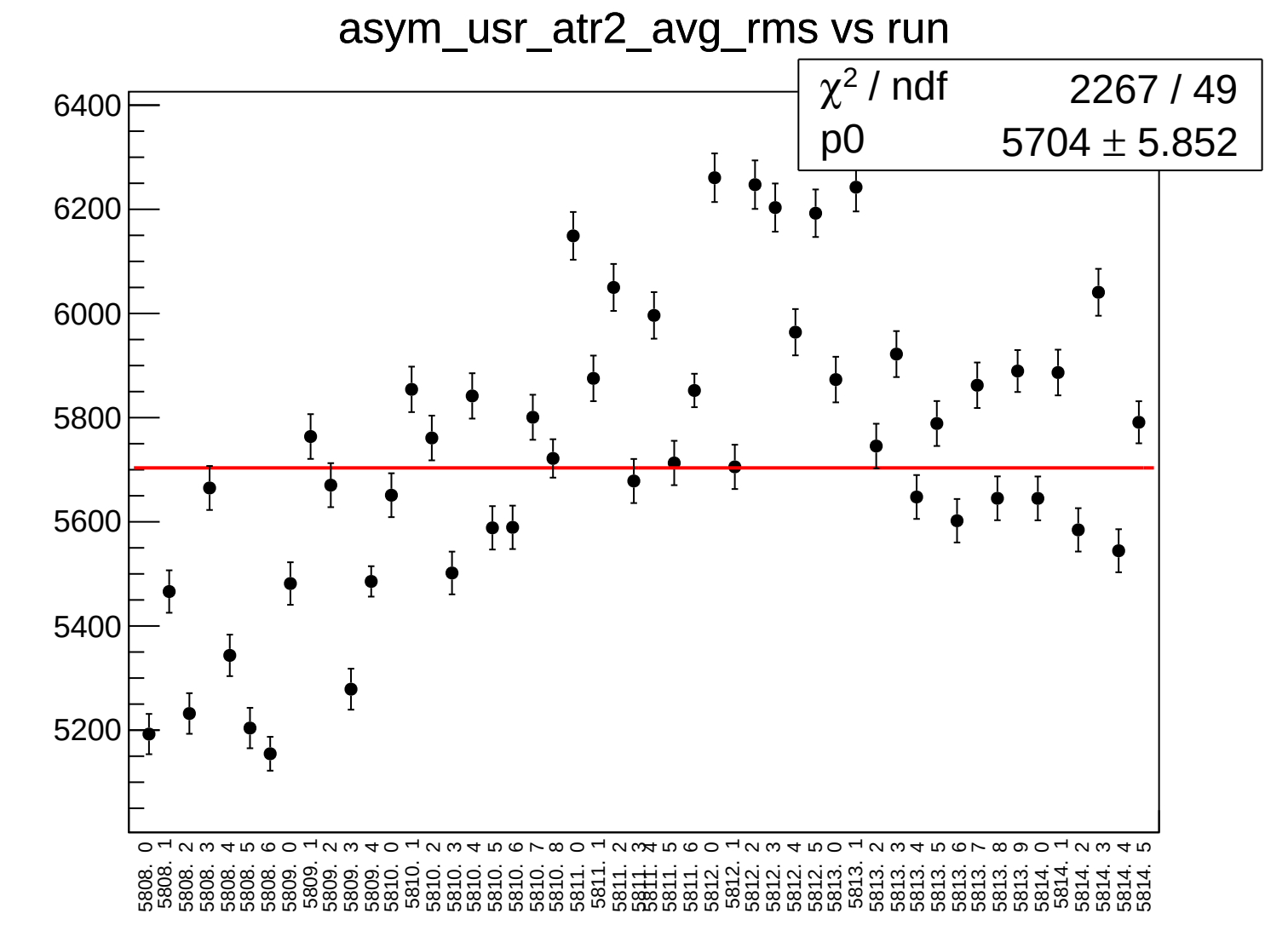
2
4
6
8


asym_usr_atr2_avg_rms vs run
χ² / ndf 2267 / 49
p0 5704 ± 5.852
6400
6200
6000
5800
5600
5400
5200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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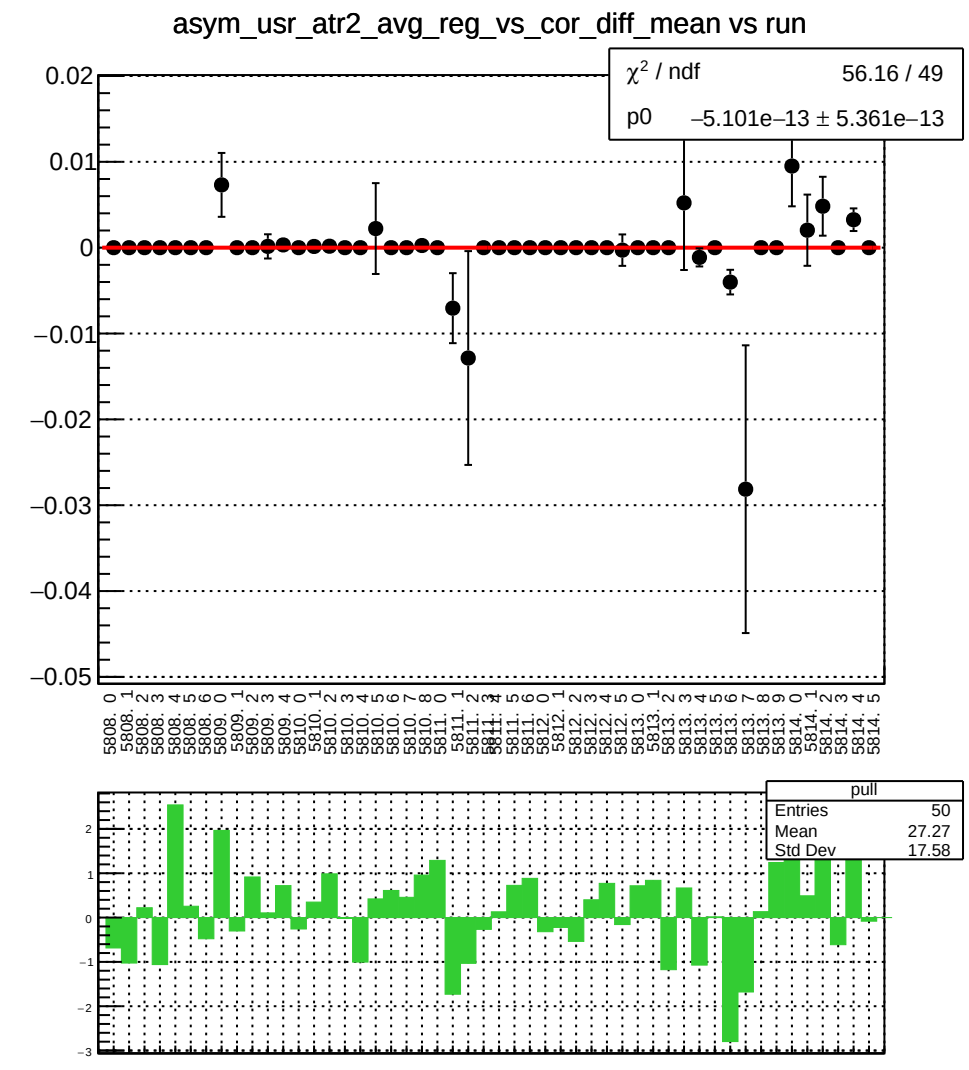
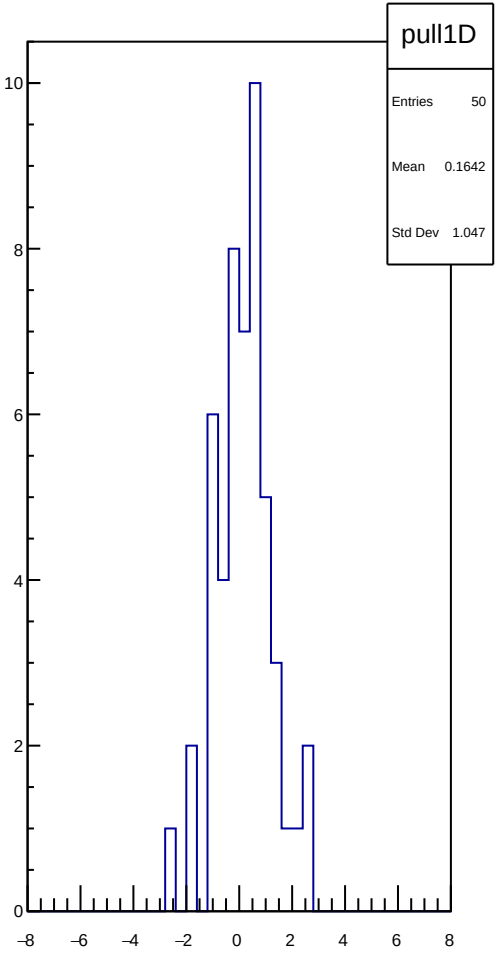
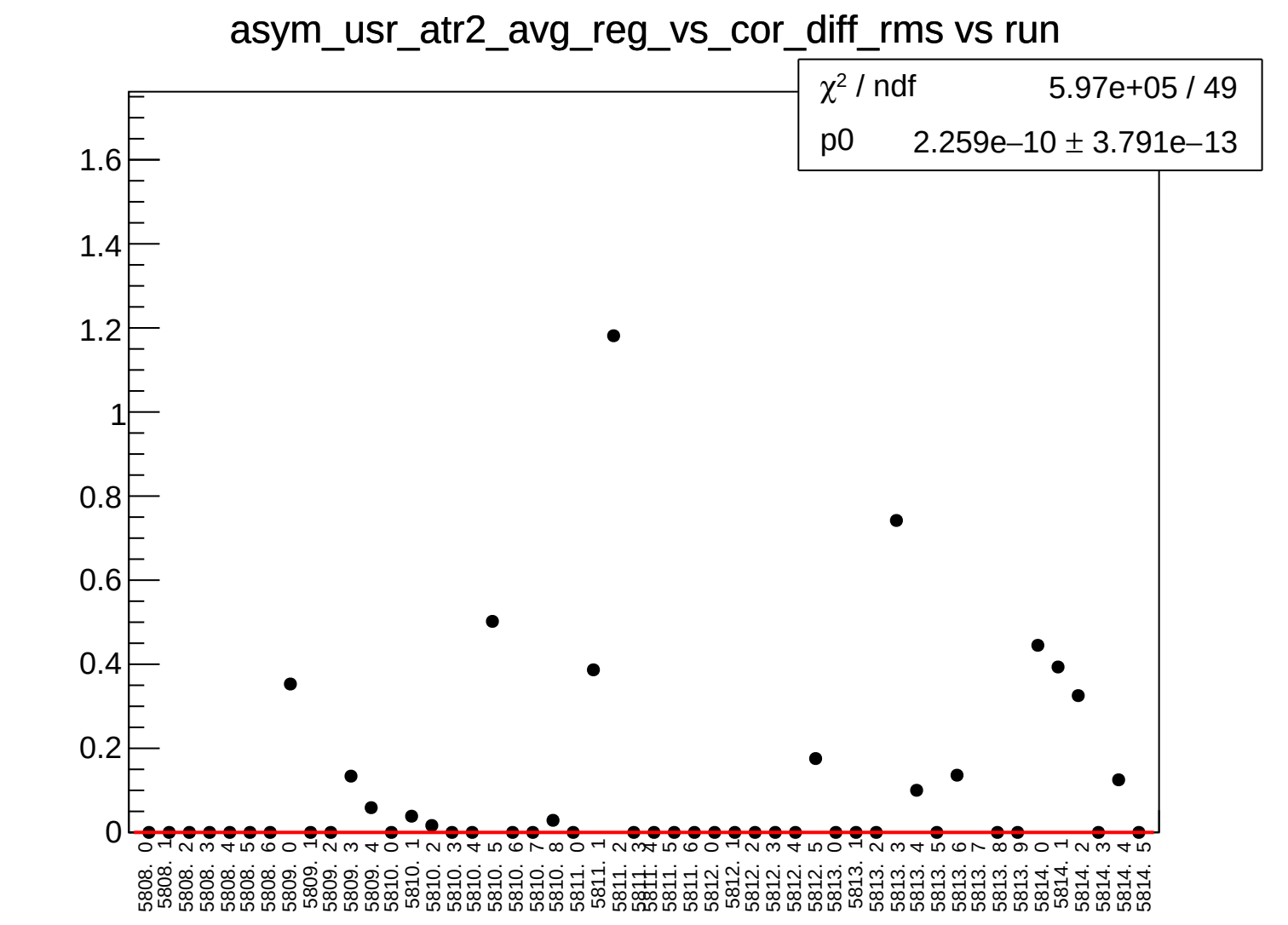
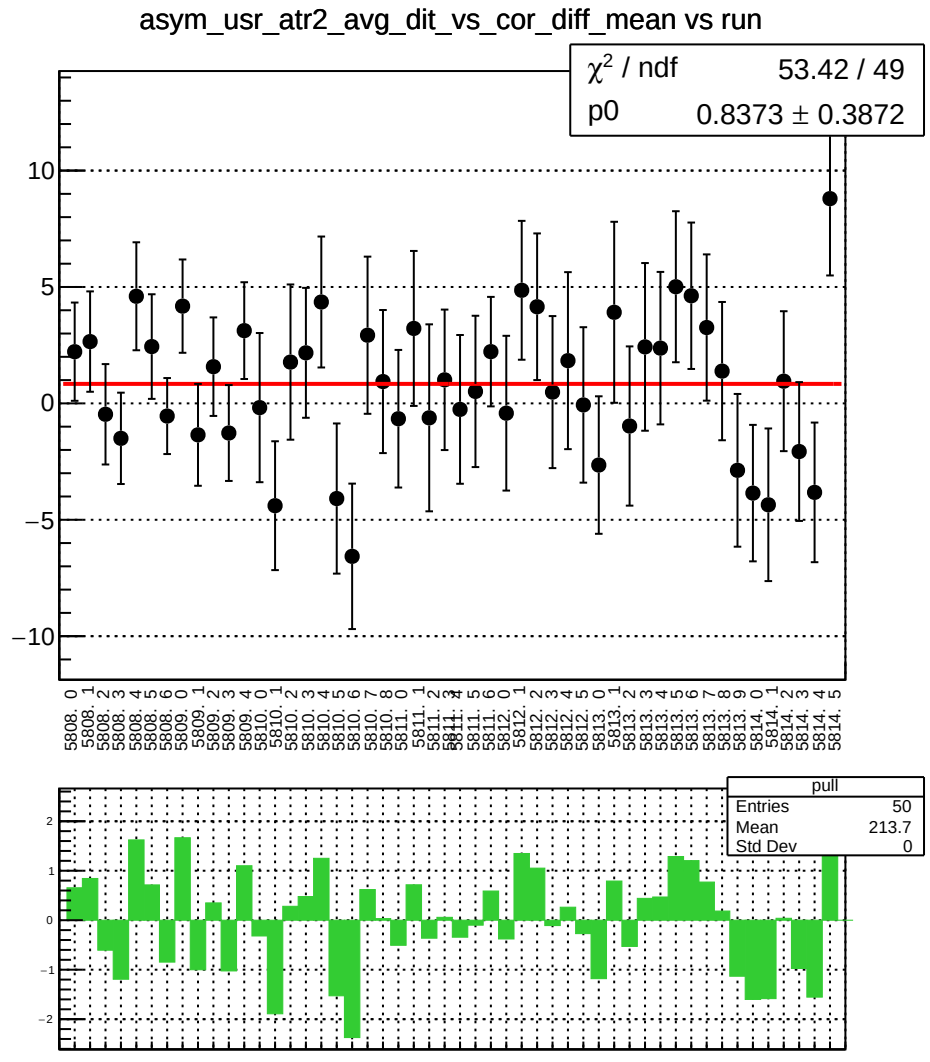
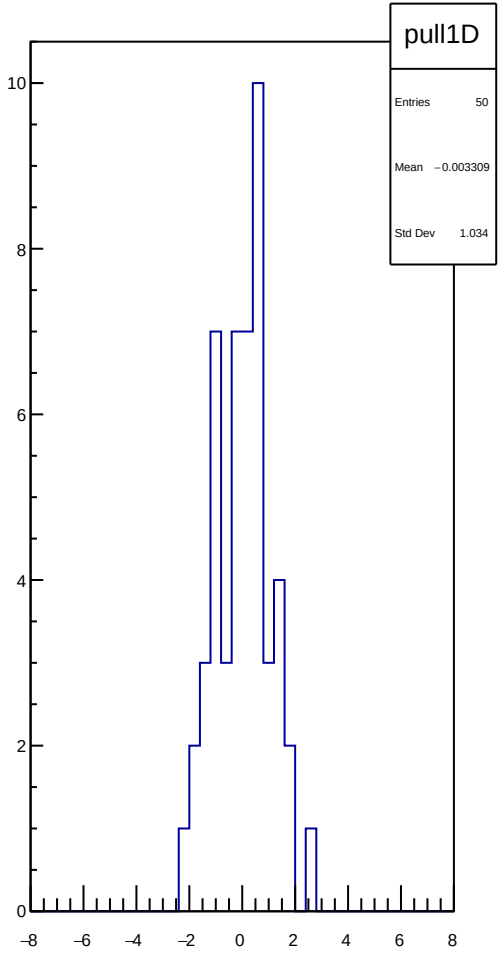
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

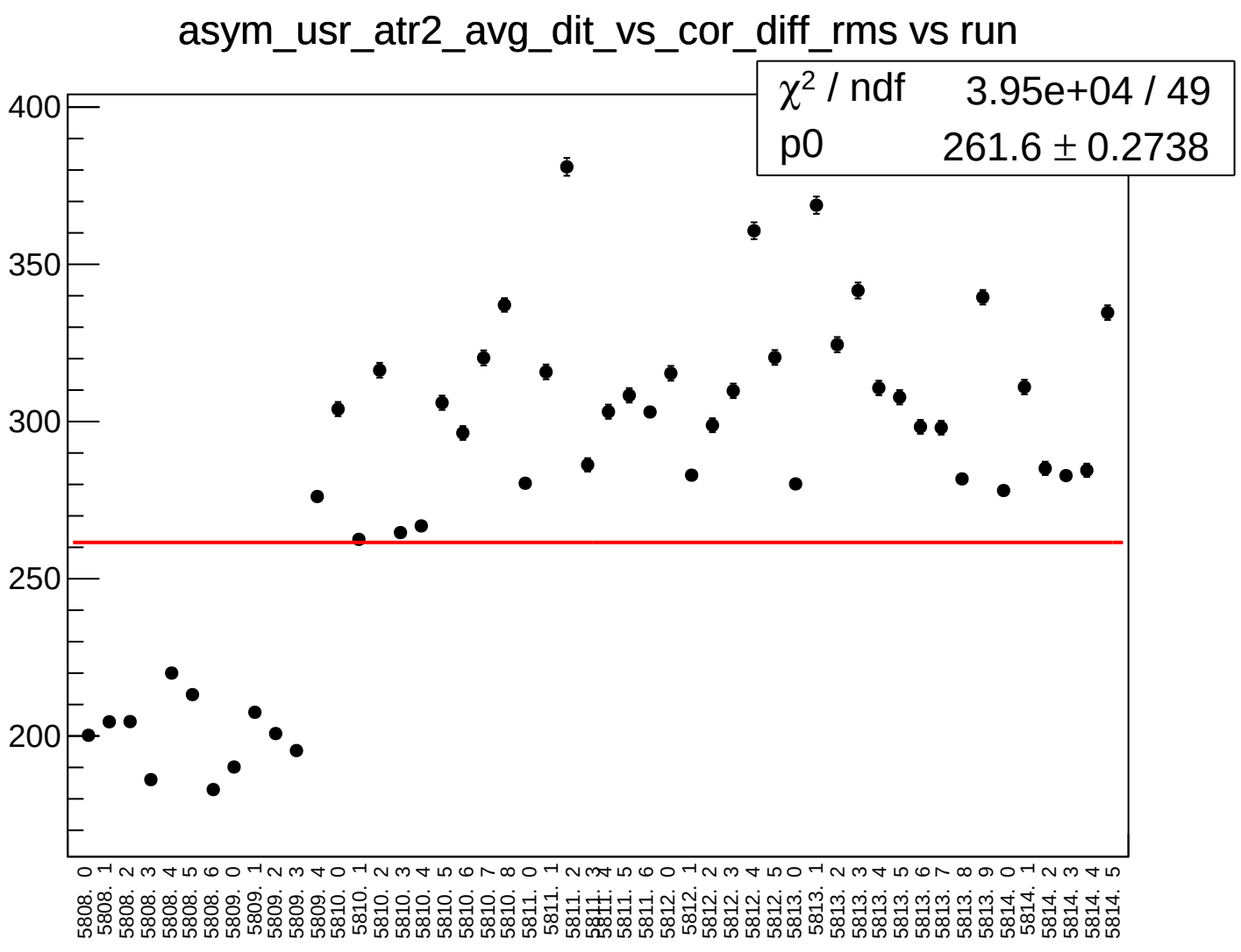

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.16 / 49
p0 −5.101e−13 ± 5.361e−13
pull
Entries 50
Mean 27.27
Std Dev 17.58

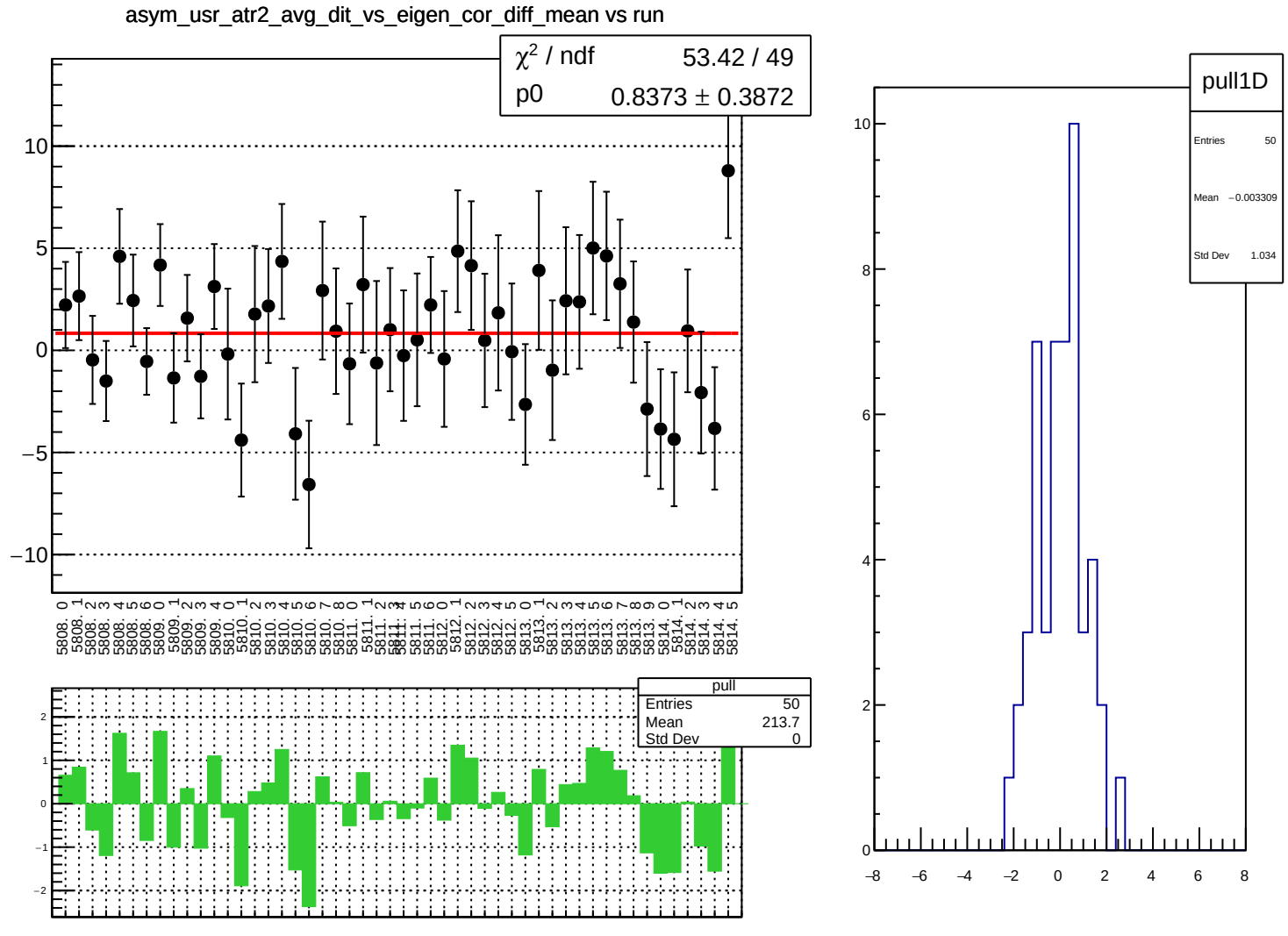

pull1D
Entries 50
Mean 0.1642
Std Dev 1.047

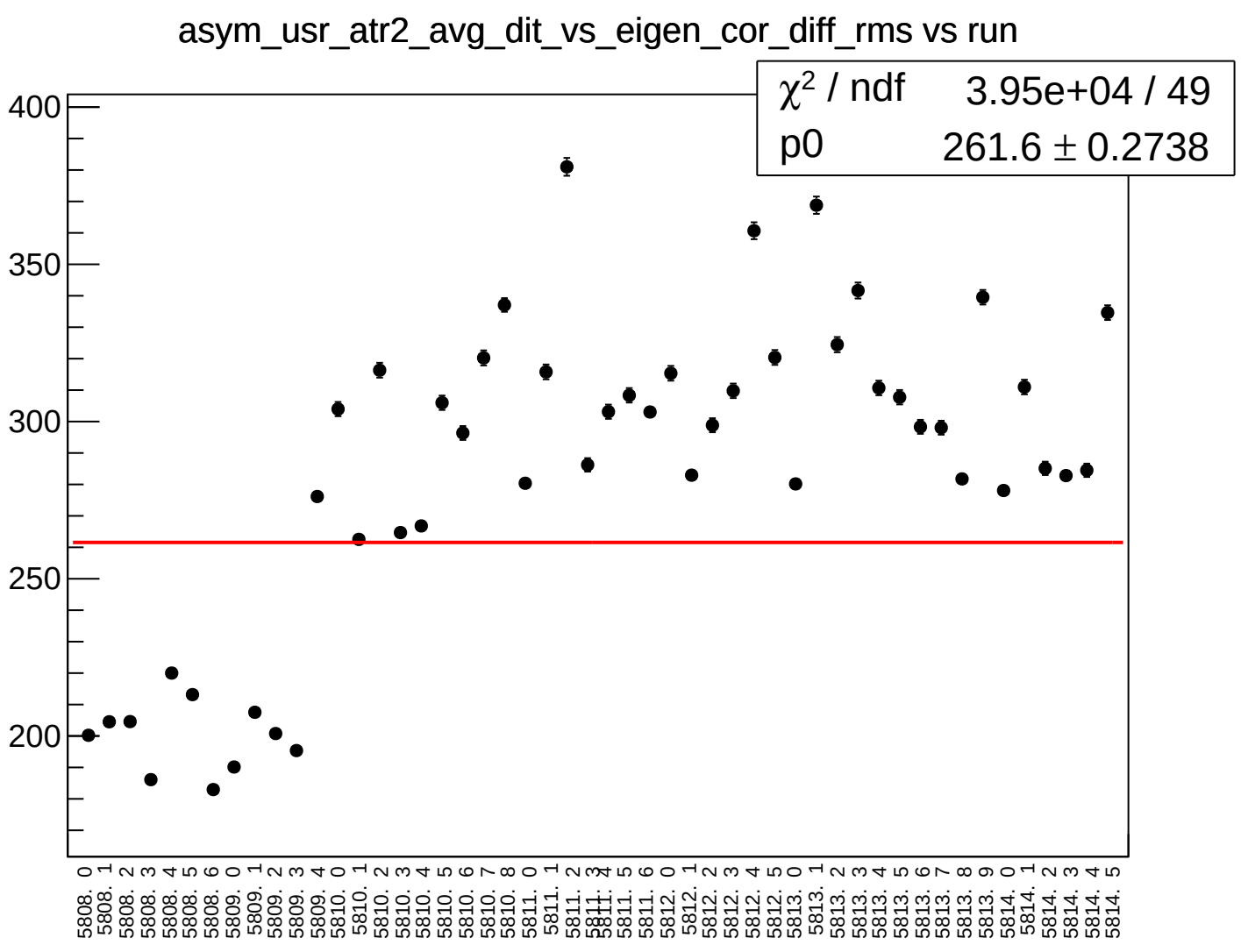

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.97e+05 / 49
p0 2.259e−10 ± 3.791e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

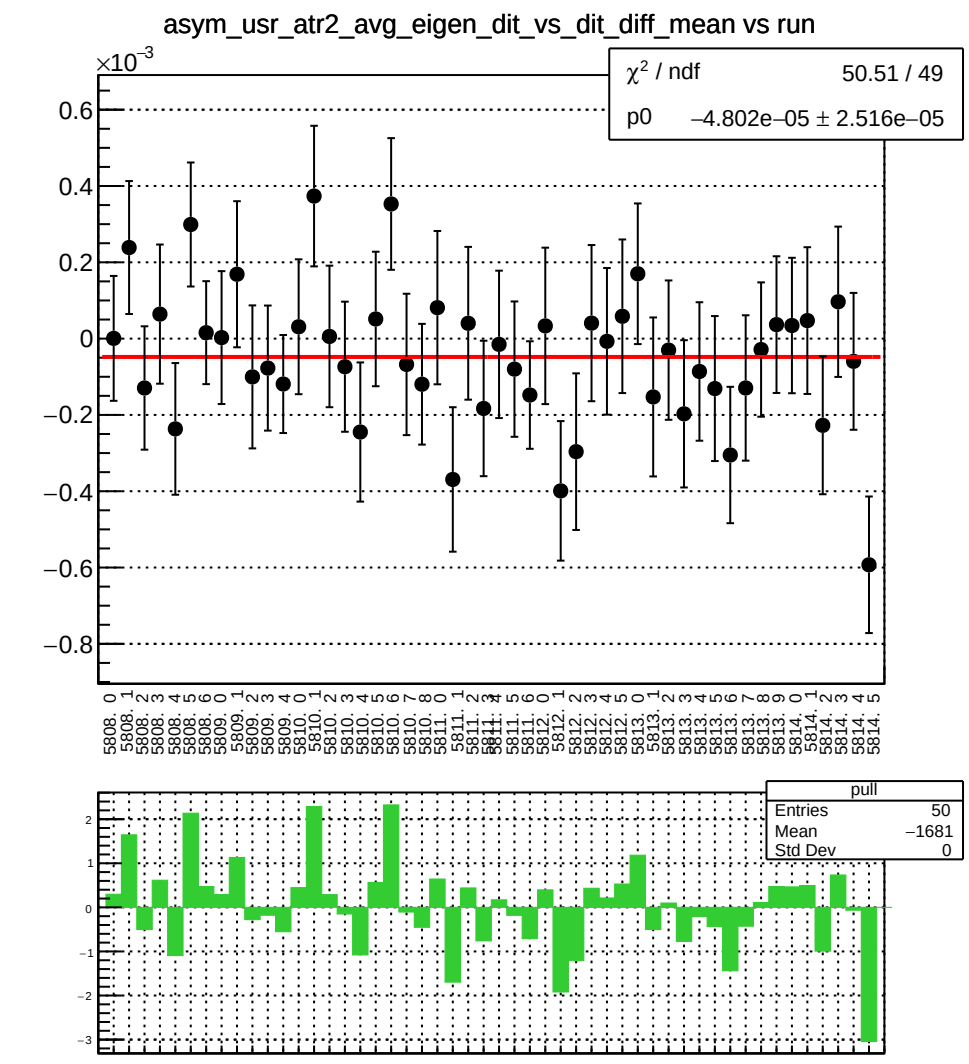

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 53.42 / 49
p0 0.8373 ± 0.3872
pull
Entries 50
Mean 213.7
Std Dev 0

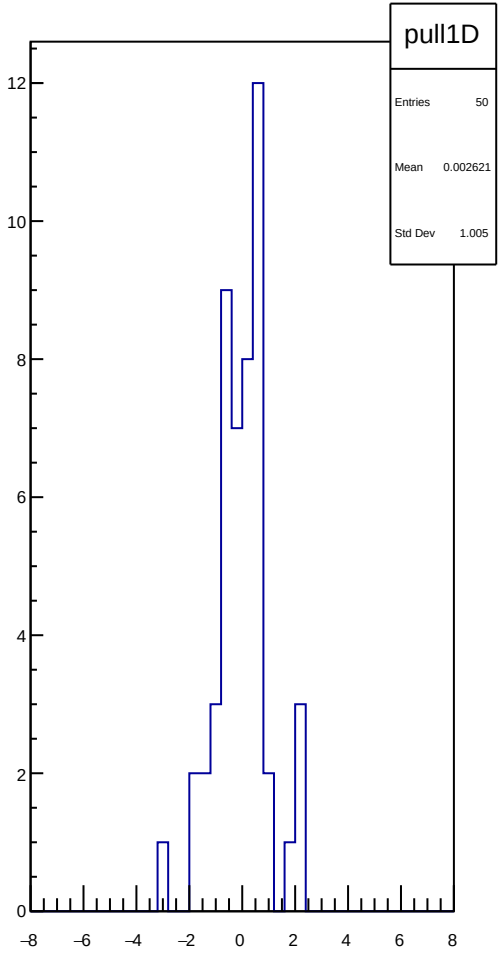

pull1D
Entries 50
Mean −0.003309
Std Dev 1.034

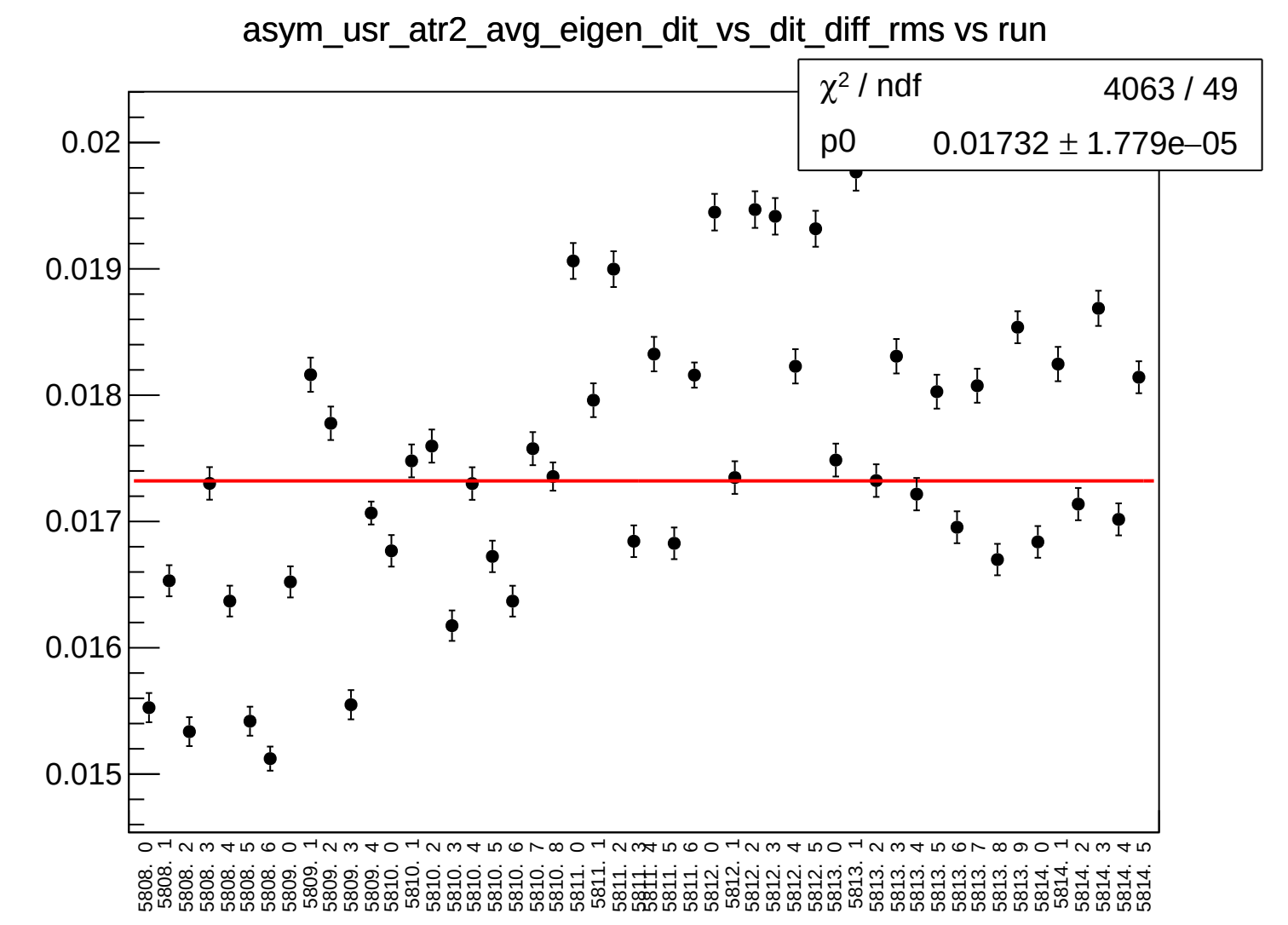

asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.95e+04 / 49
p0 261.6 ± 0.2738
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

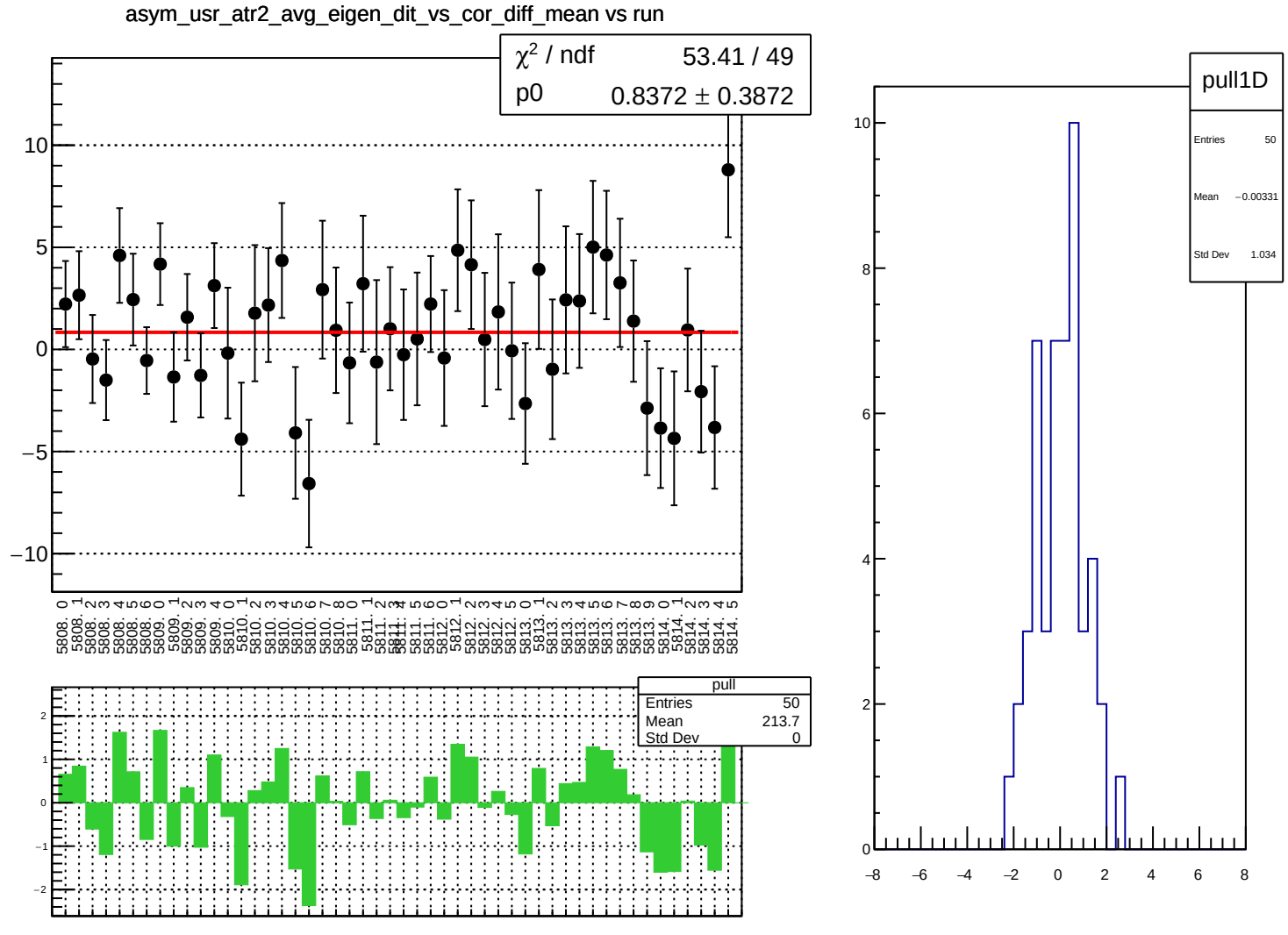

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.42 / 49
p0 0.8373 ± 0.3872
pull
Entries 50
Mean 213.7
Std Dev 0
pull1D
Entries 50
Mean −0.003309
Std Dev 1.034

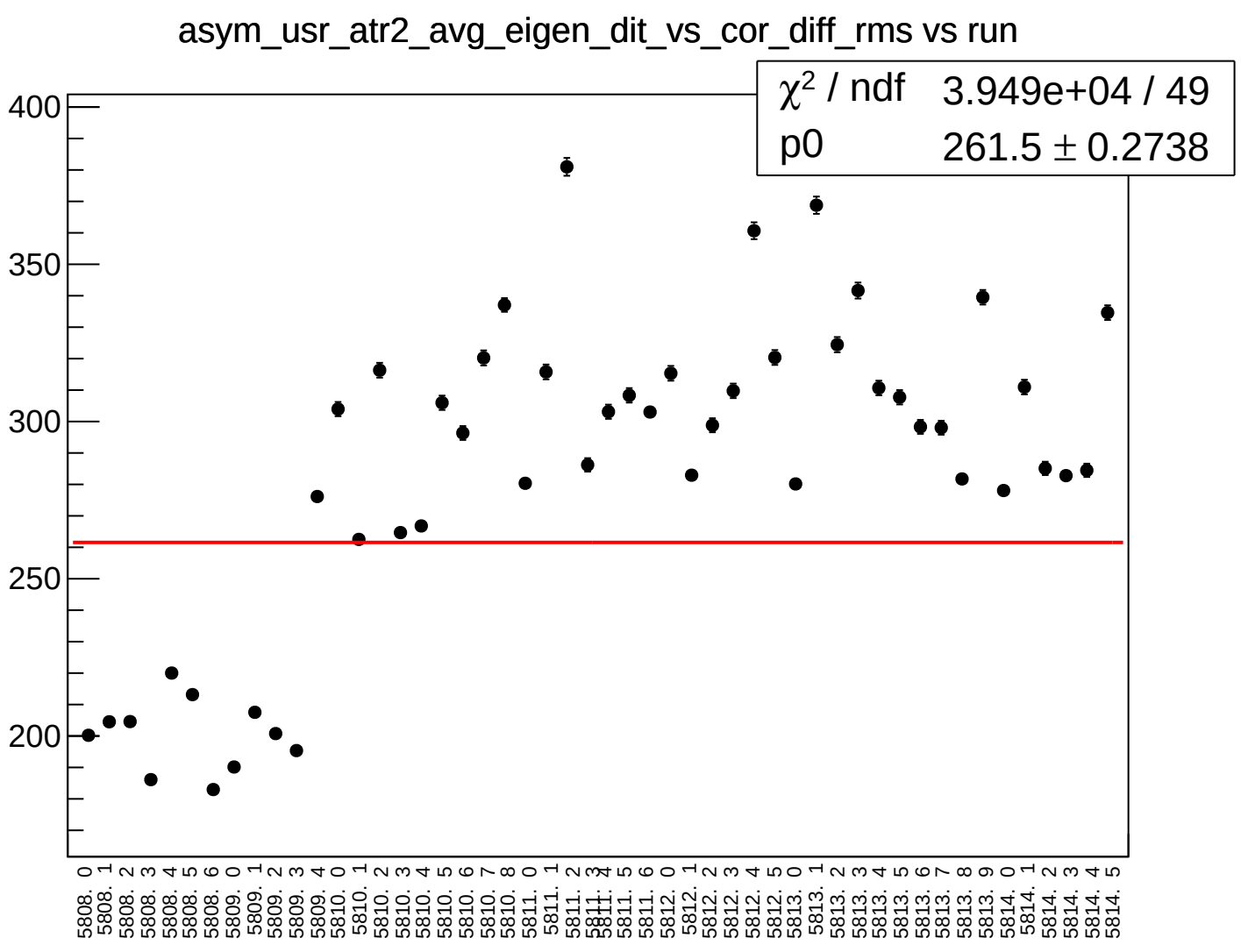

asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.95e+04 / 49
p0 261.6 ± 0.2738
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

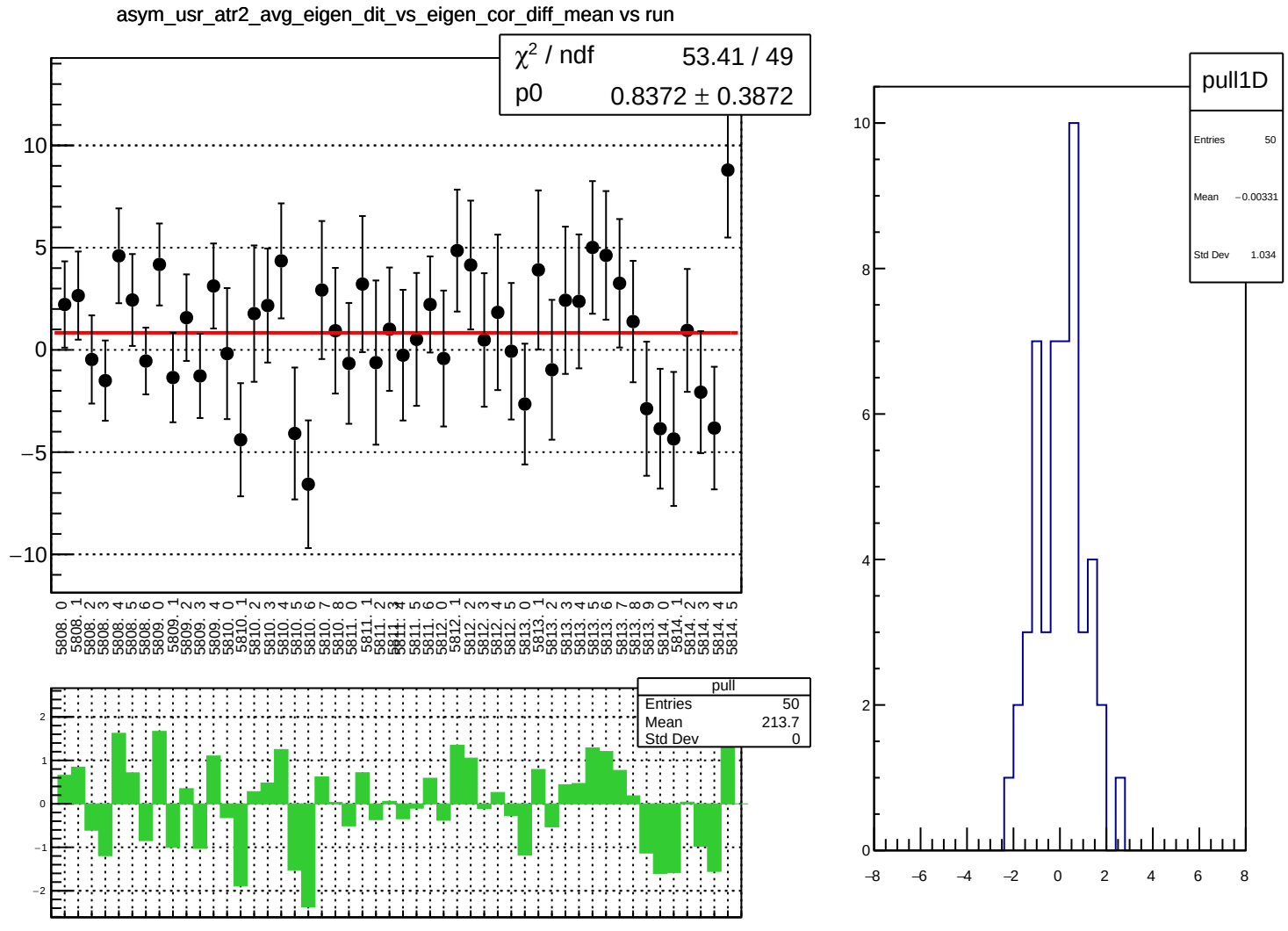

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.51 / 49
p0 −4.802e−05 ± 2.516e−05
pull
Entries 50
Mean −1681
Std Dev 0

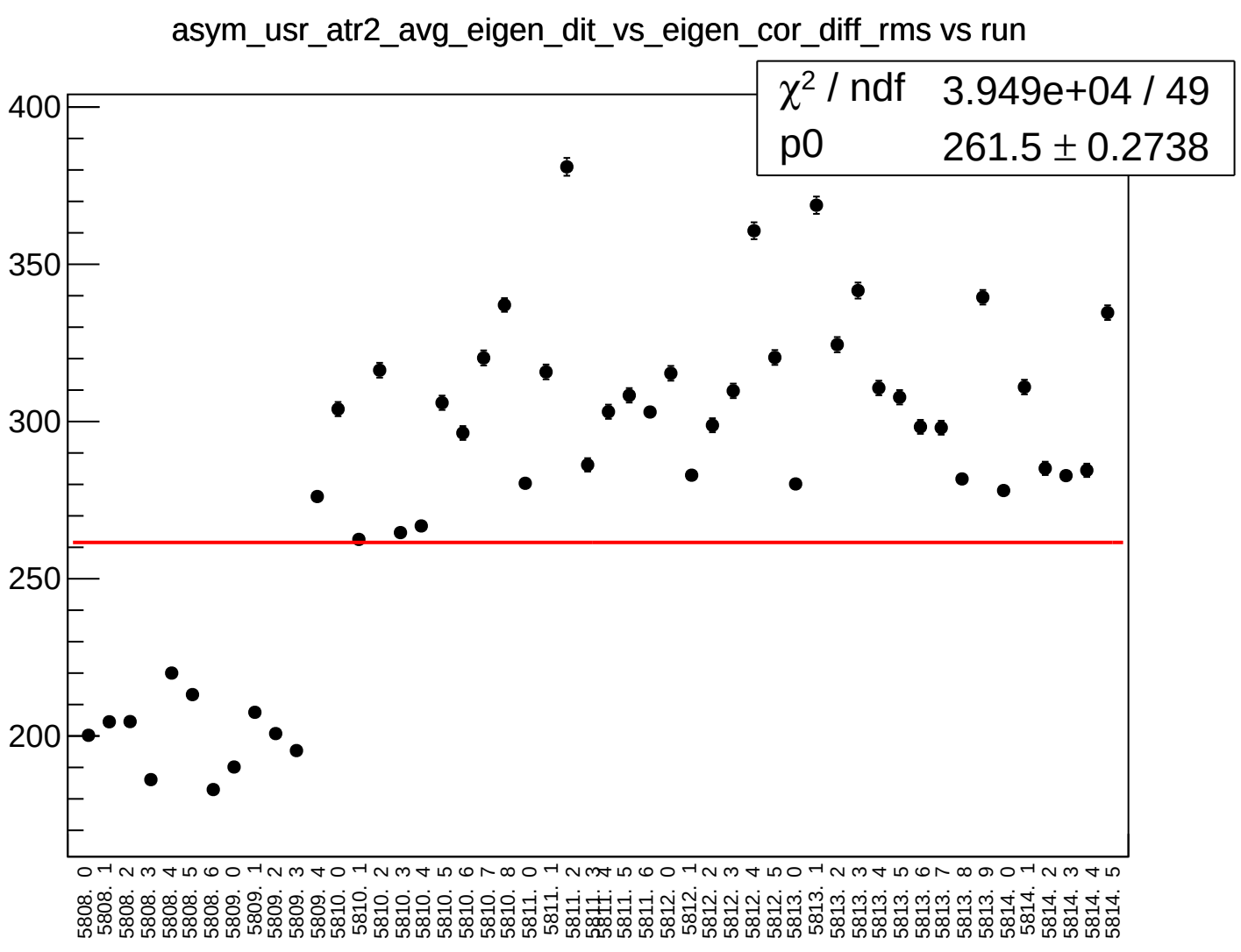

pull1D
Entries 50
Mean 0.002621
Std Dev 1.005

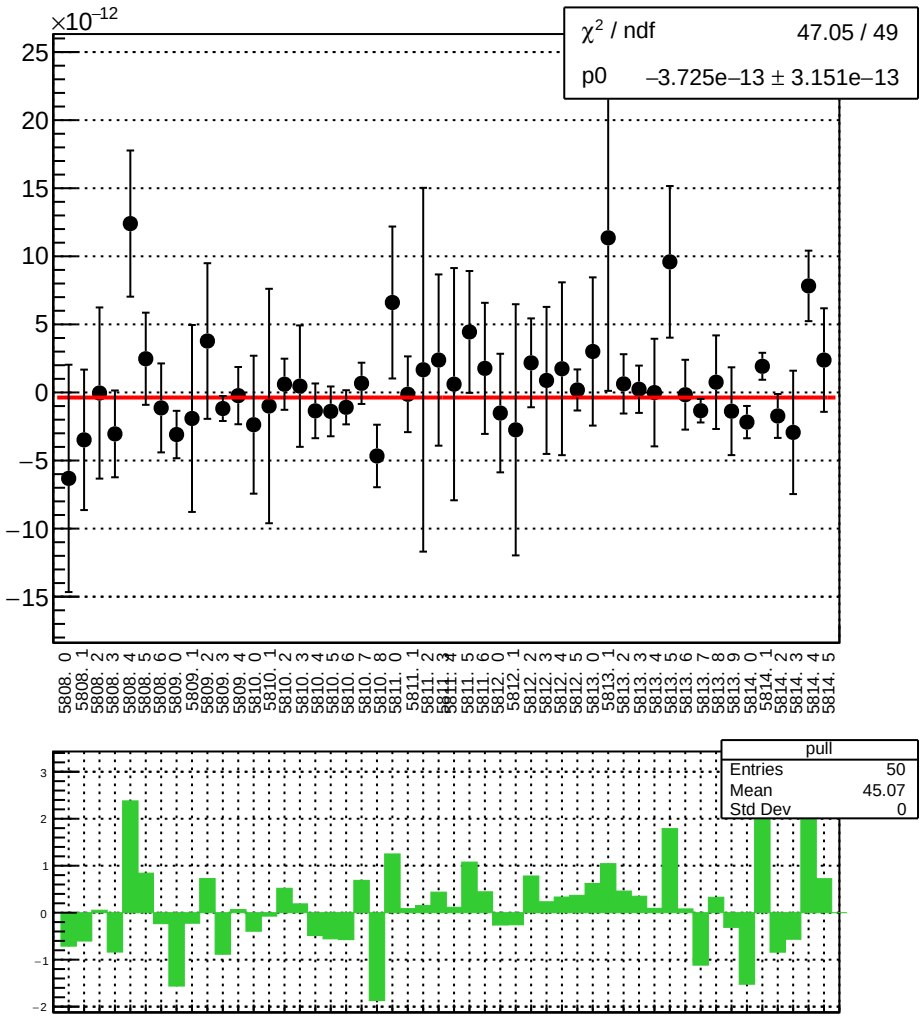

asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4063 / 49
p0 0.01732 ± 1.779e–05
0.02
0.019
0.018
0.017
0.016
0.015
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

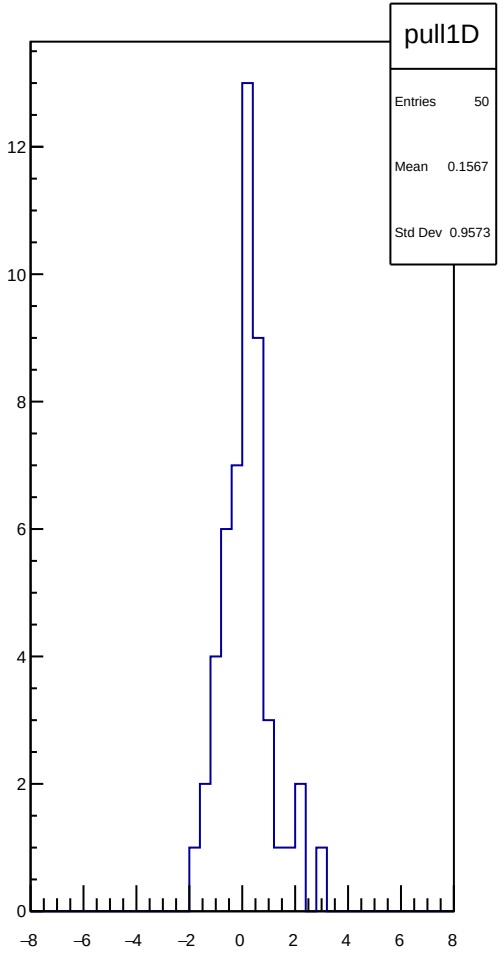

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 53.41 / 49
p0 0.8372 ± 0.3872
pull
Entries 50
Mean 213.7
Std Dev 0
pull1D
Entries 50
Mean −0.00331
Std Dev 1.034

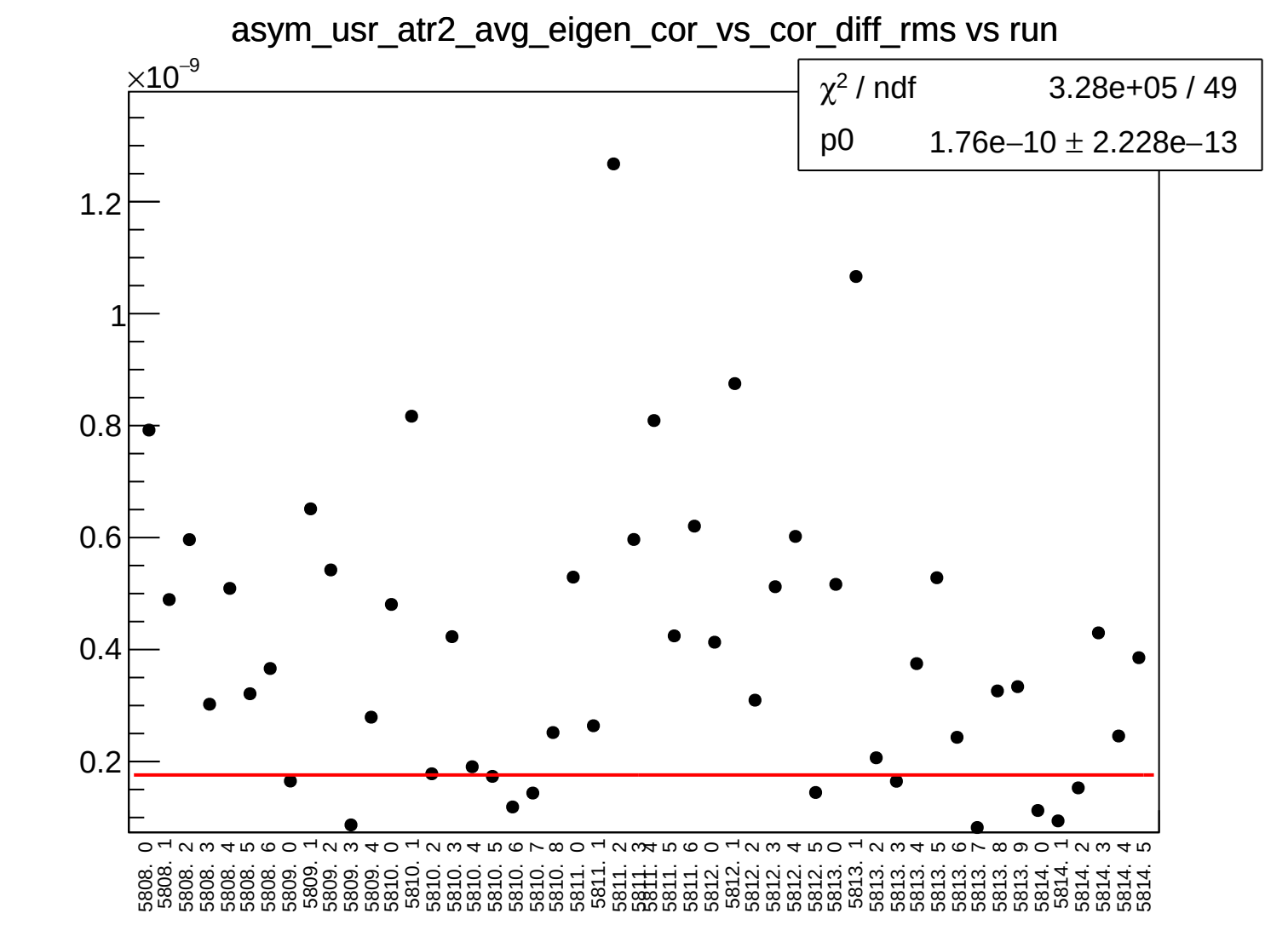

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.949e+04 / 49
p0 261.5 ± 0.2738
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

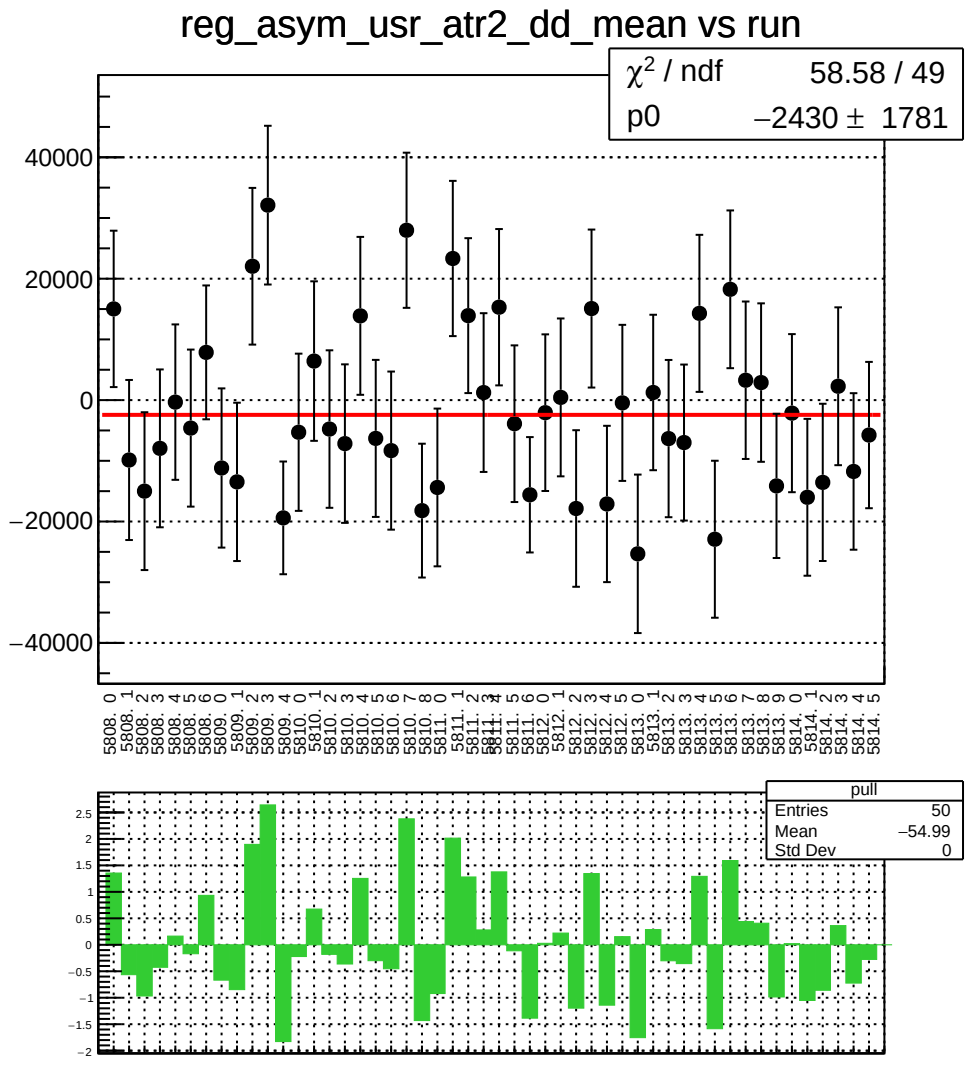

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 53.41 / 49
p0 0.8372 ± 0.3872
pull
Entries 50
Mean 213.7
Std Dev 0
pull1D
Entries 50
Mean −0.00331
Std Dev 1.034

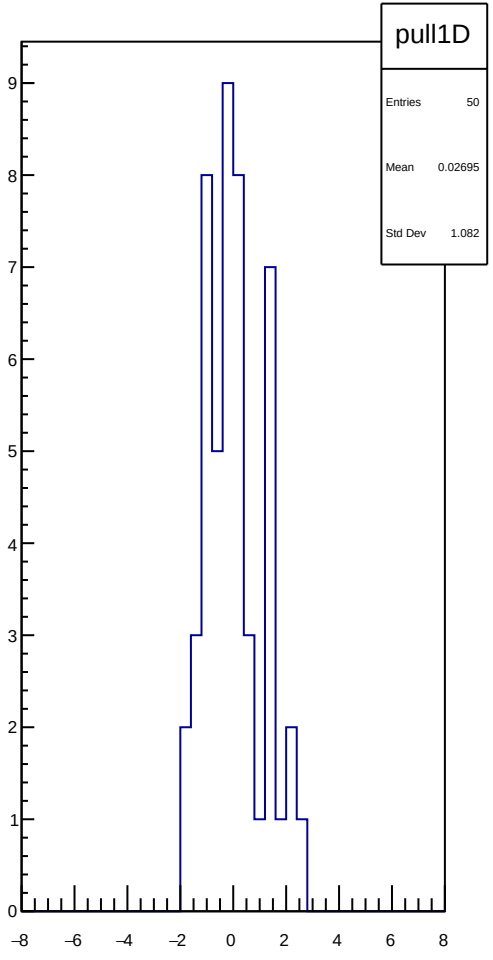

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.949e+04 / 49
p0 261.5 ± 0.2738
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

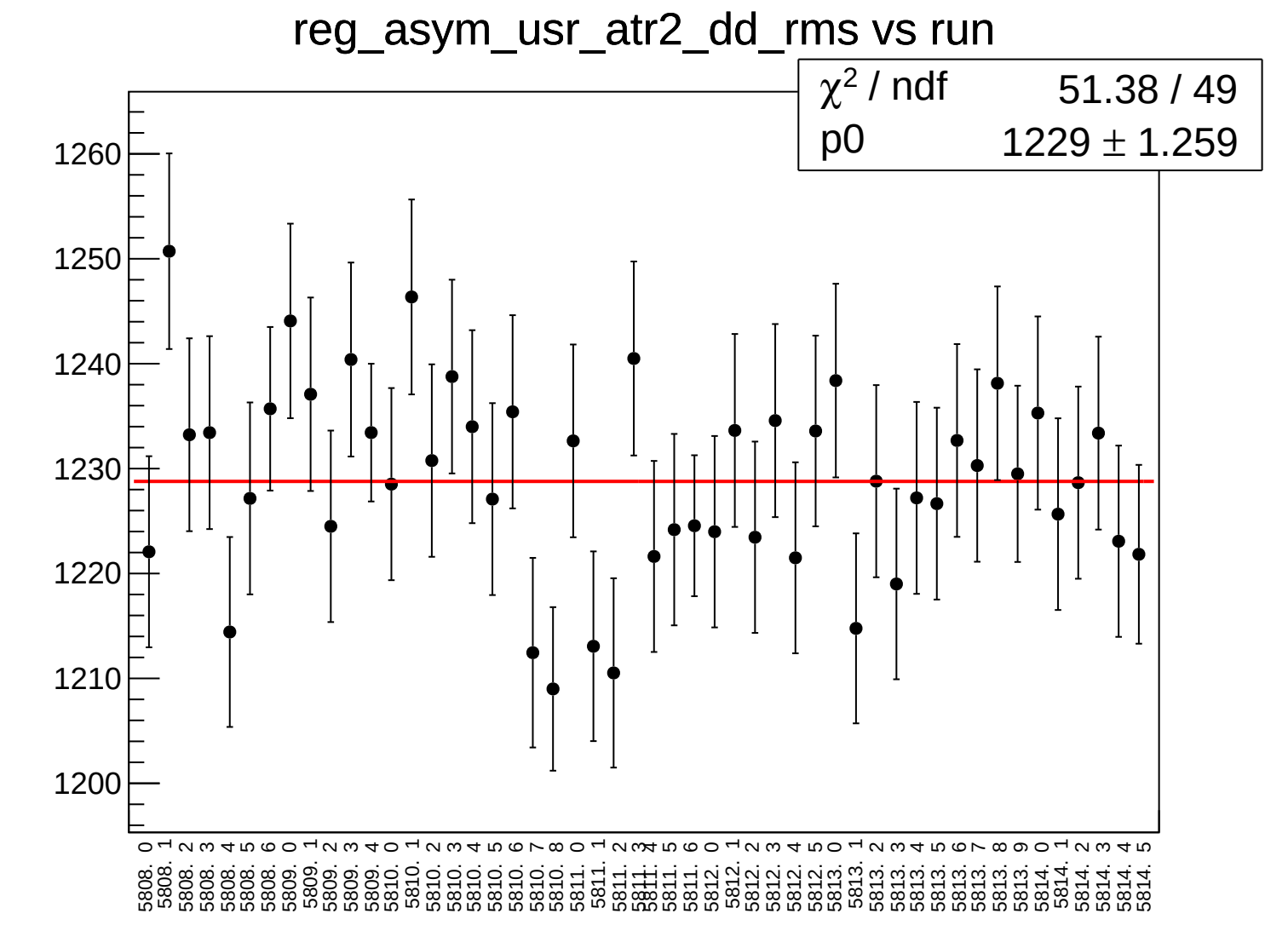

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.05 / 49
p0 −3.725e−13 ± 3.151e−13
pull
Entries 50
Mean 45.07
Std Dev 0

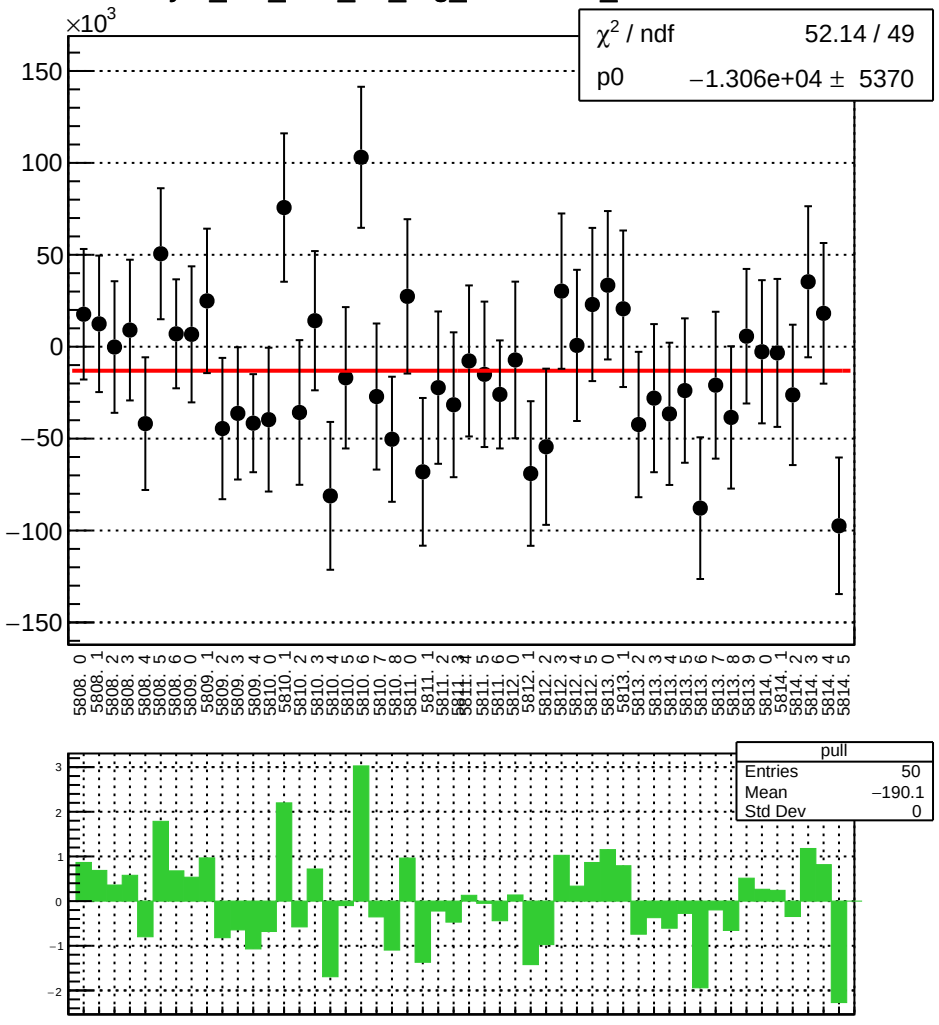

pull1D
Entries 50
Mean 0.1567
Std Dev 0.9573

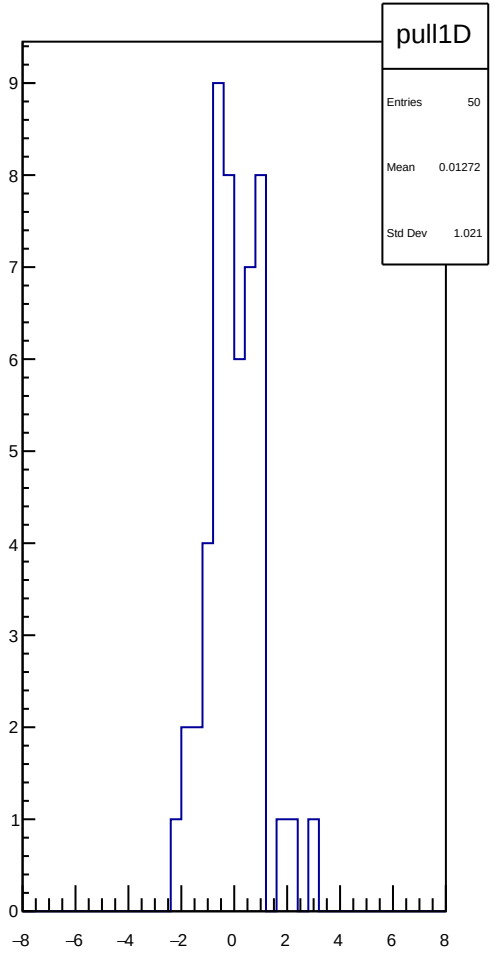

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.28e+05 / 49
p0 1.76e−10 ± 2.228e−13
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

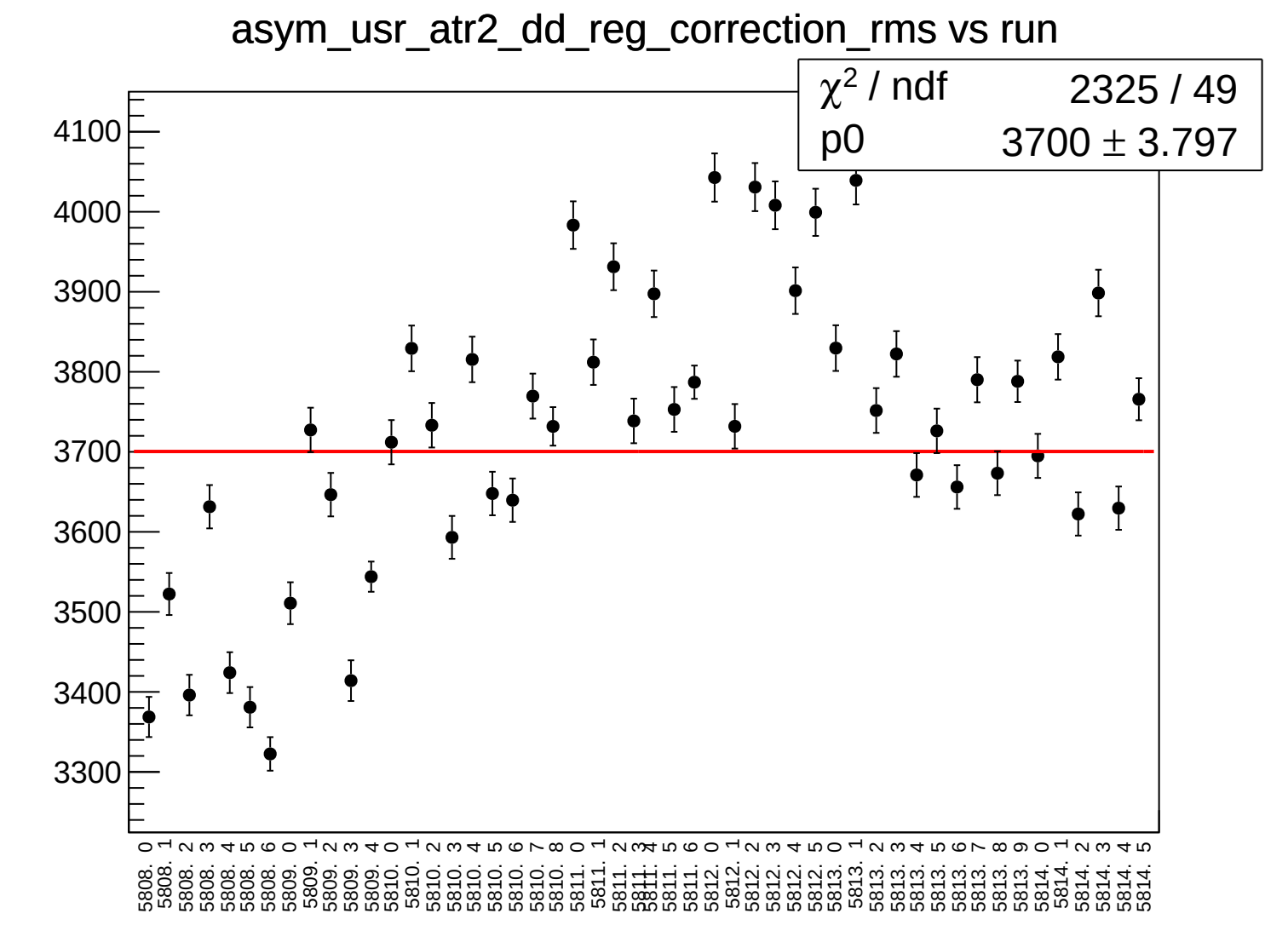

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 58.58 / 49
p0 −2430 ± 1781
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −54.99
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

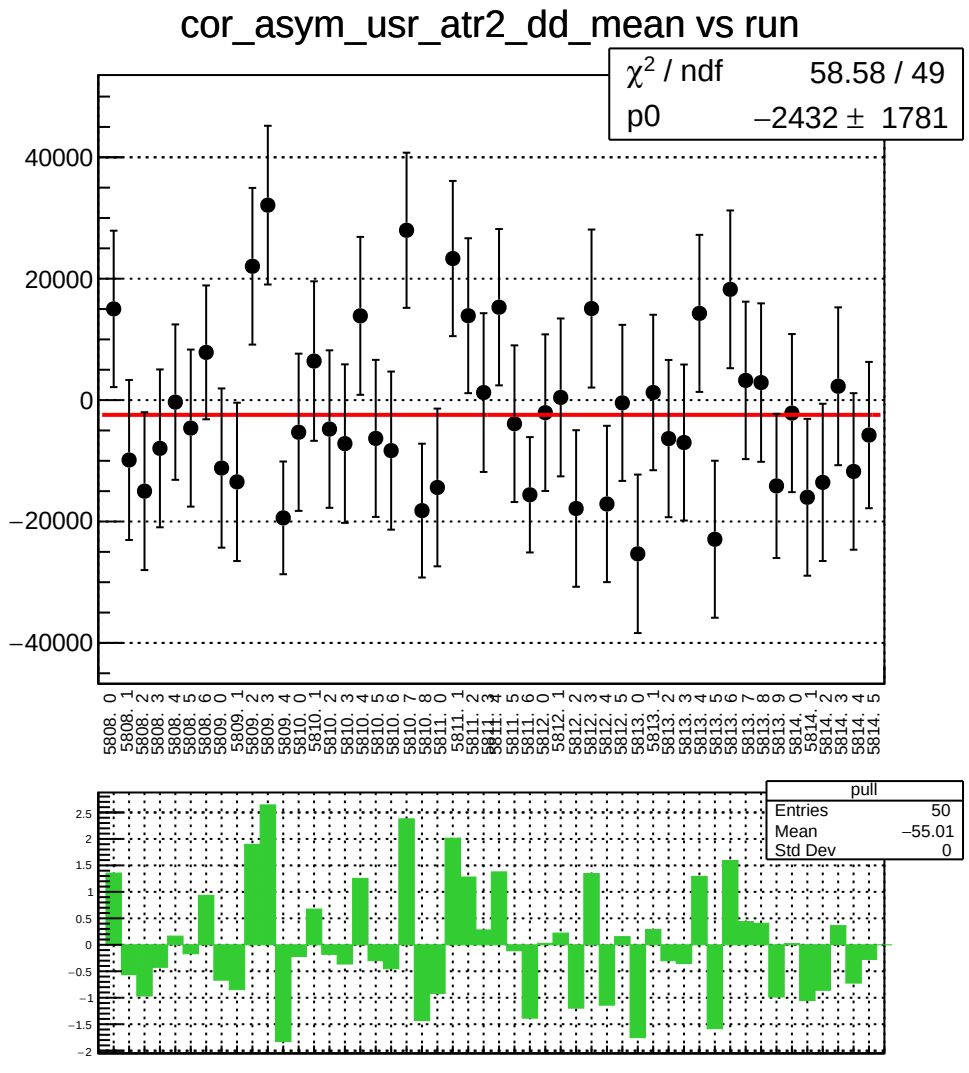

pull1D
Entries 50
Mean 0.02695
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.38 / 49
p0 1229 ± 1.259
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 52.14 / 49
p0 −1.306e+04 ± 5370
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −190.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01272
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 2325 / 49
p0 3700 ± 3.797
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 58.58 / 49
p0 −2432 ± 1781
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −55.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02695
Std Dev 1.082
9
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−4
−2
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6
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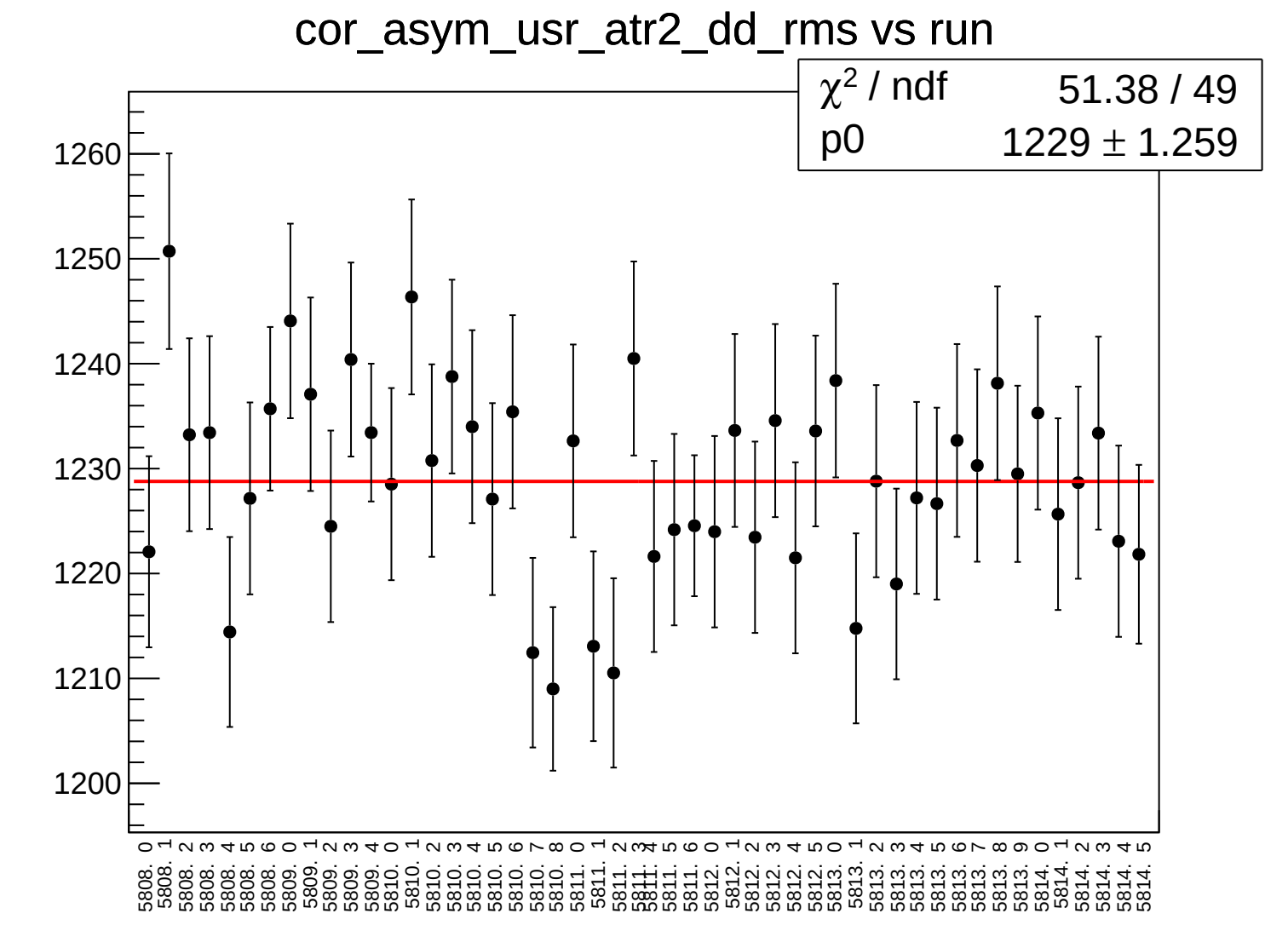
cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.38 / 49
p0 1229 ± 1.259
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 6
5810. 7
5810. 8
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5811. 2
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5811. 5
5811. 6
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5813. 2
5813. 3
5813. 4
5813. 5
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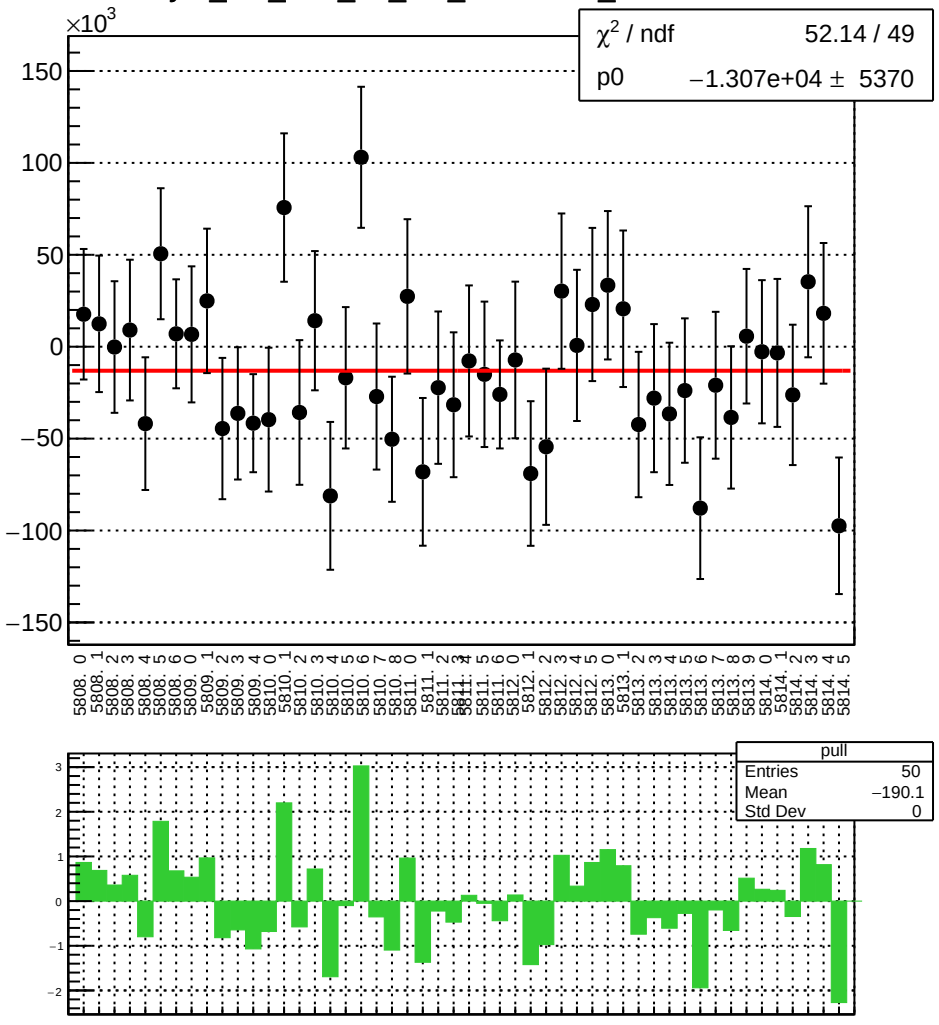
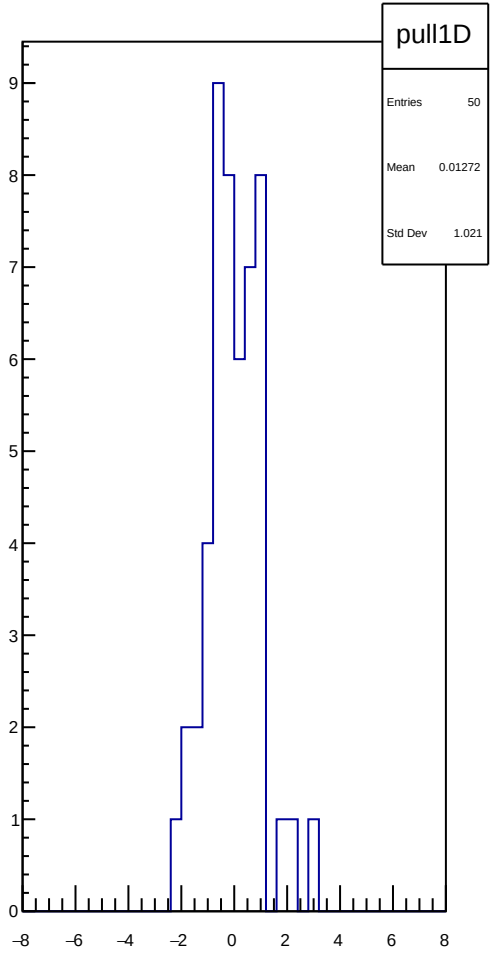
5814. 5


asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 52.14 / 49
p0 −1.307e+04 ± 5370
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −190.1
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01272
Std Dev 1.021
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5
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−4
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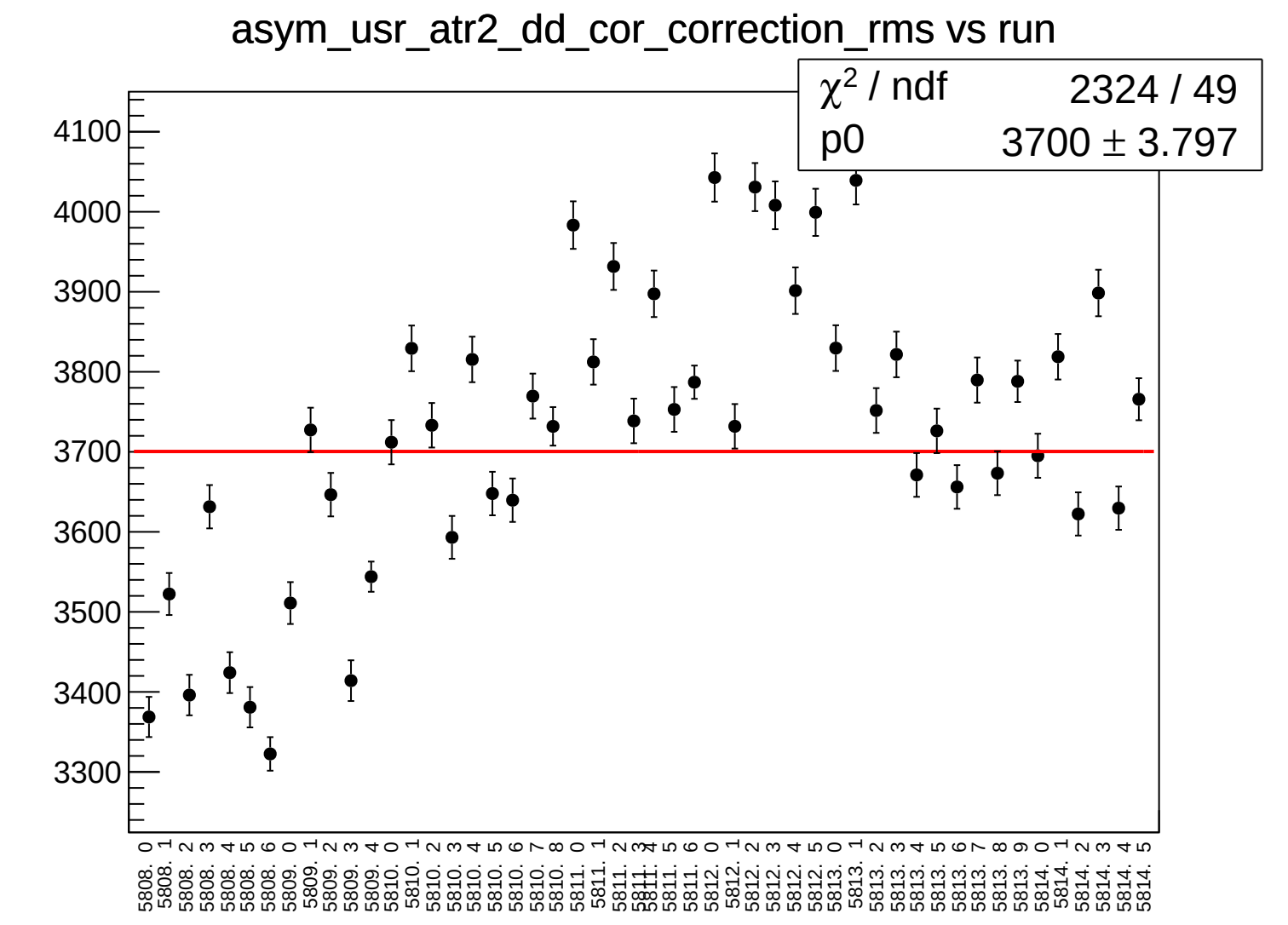
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 2324 / 49
p0 3700 ± 3.797
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
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5813. 2
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5813. 5
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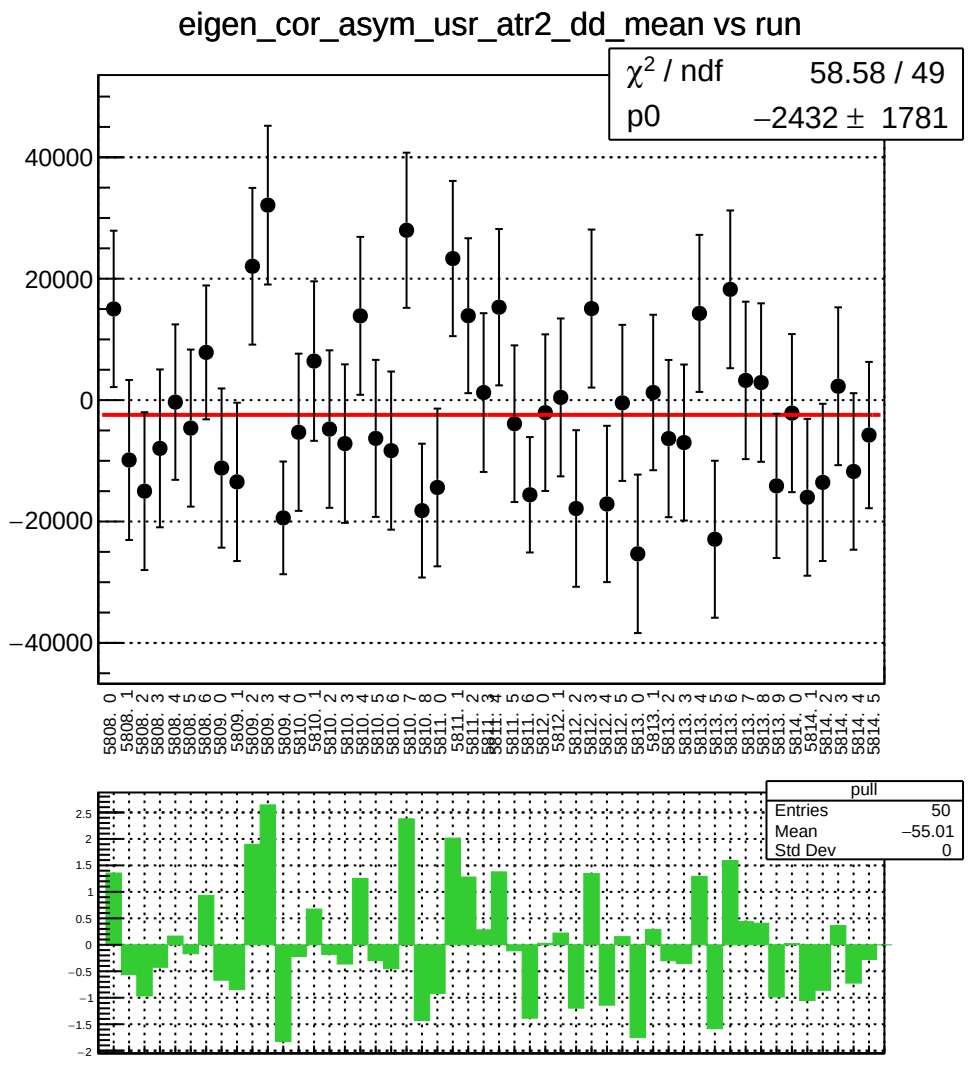
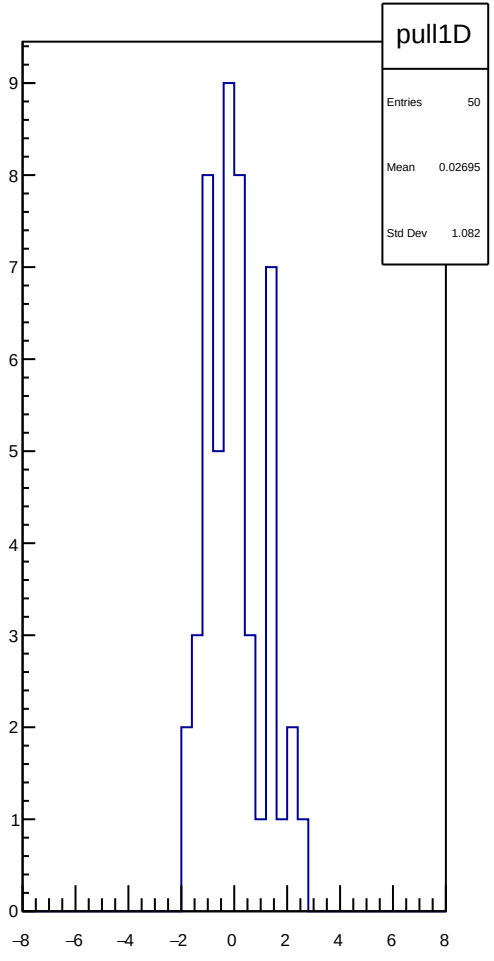

eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 58.58 / 49
p0 −2432 ± 1781
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −55.01
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.02695
Std Dev 1.082
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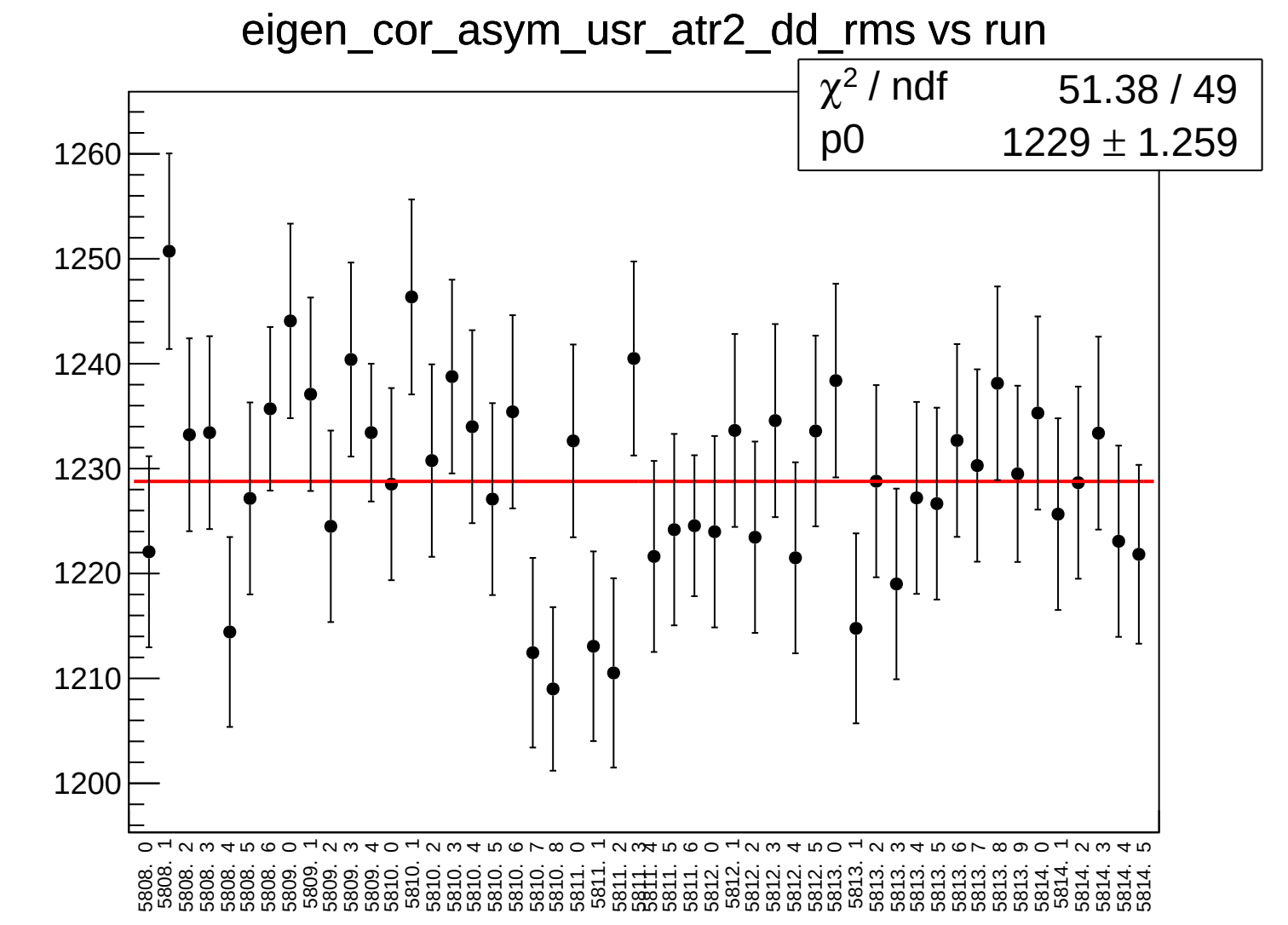
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 51.38 / 49
p0 1229 ± 1.259
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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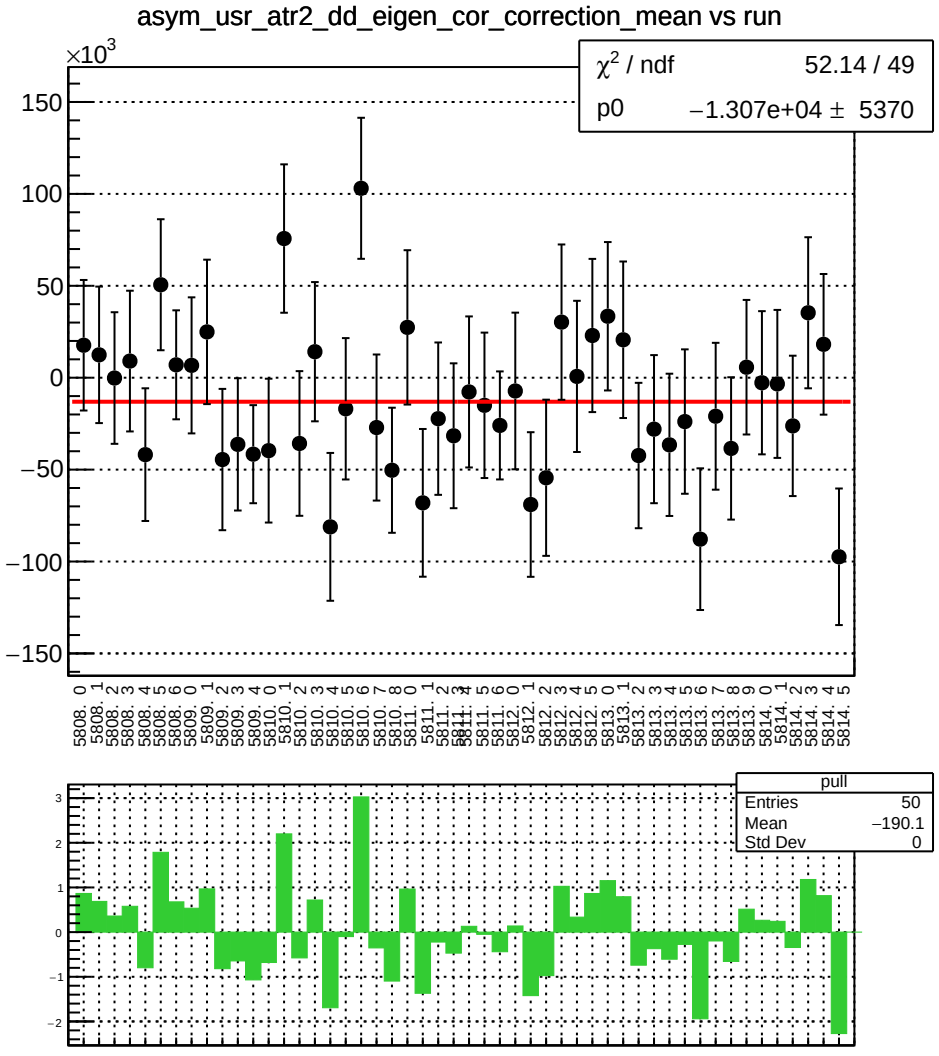
5814. 4
5814. 5


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.14 / 49
p0 −1.307e+04 ± 5370
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
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5813. 0
5813. 1
5813. 2
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −190.1
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01272
Std Dev 1.021
9
8
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5
4
3
2
1
0
−8
−6
−4
−2
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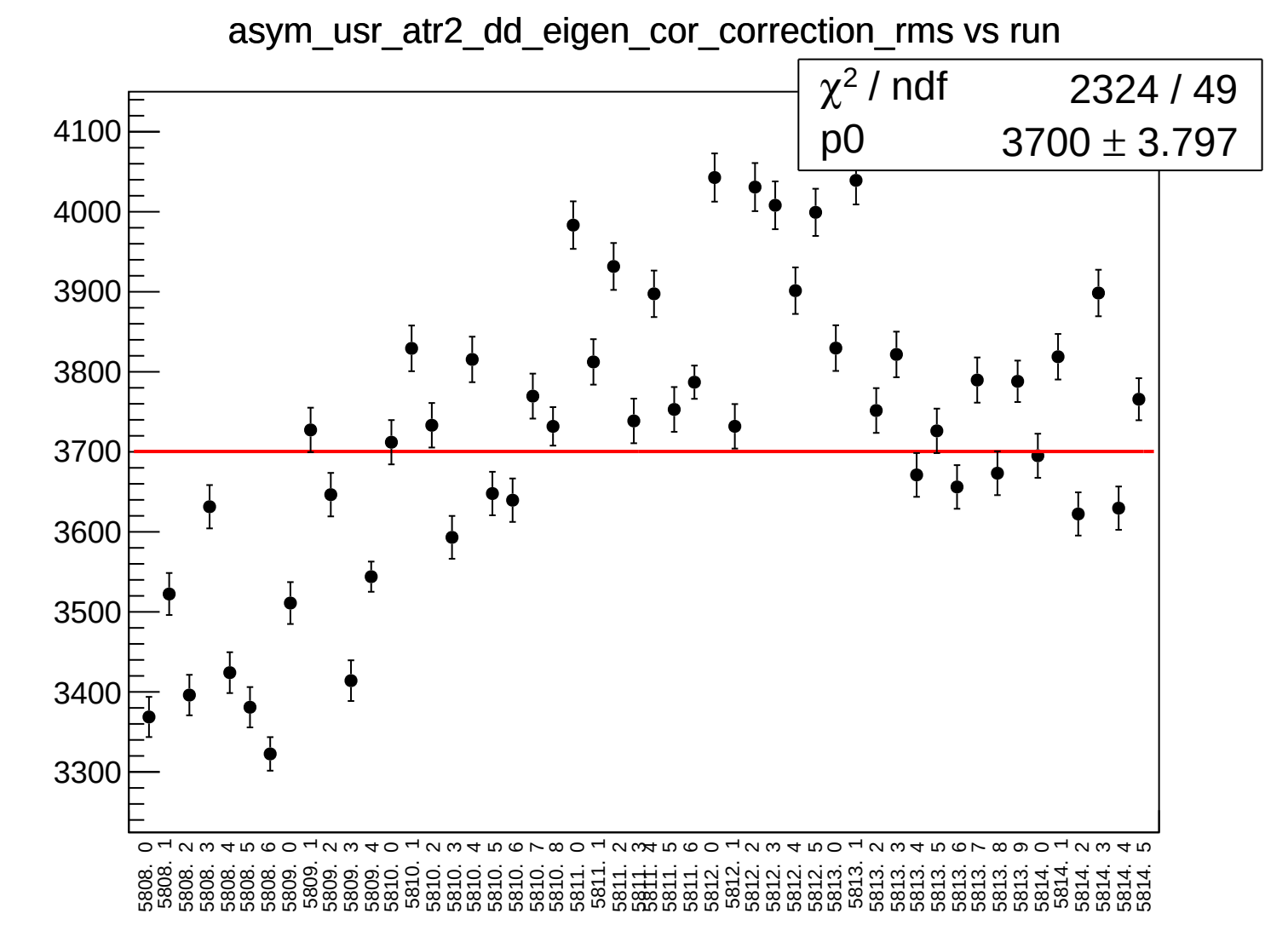
2
4
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2324 / 49
p0 3700 ± 3.797
4100
4000
3900
3800
3700
3600
3500
3400
3300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
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5812. 2
5812. 3
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5813. 1
5813. 2
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5813. 5
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5813. 8
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5814. 2
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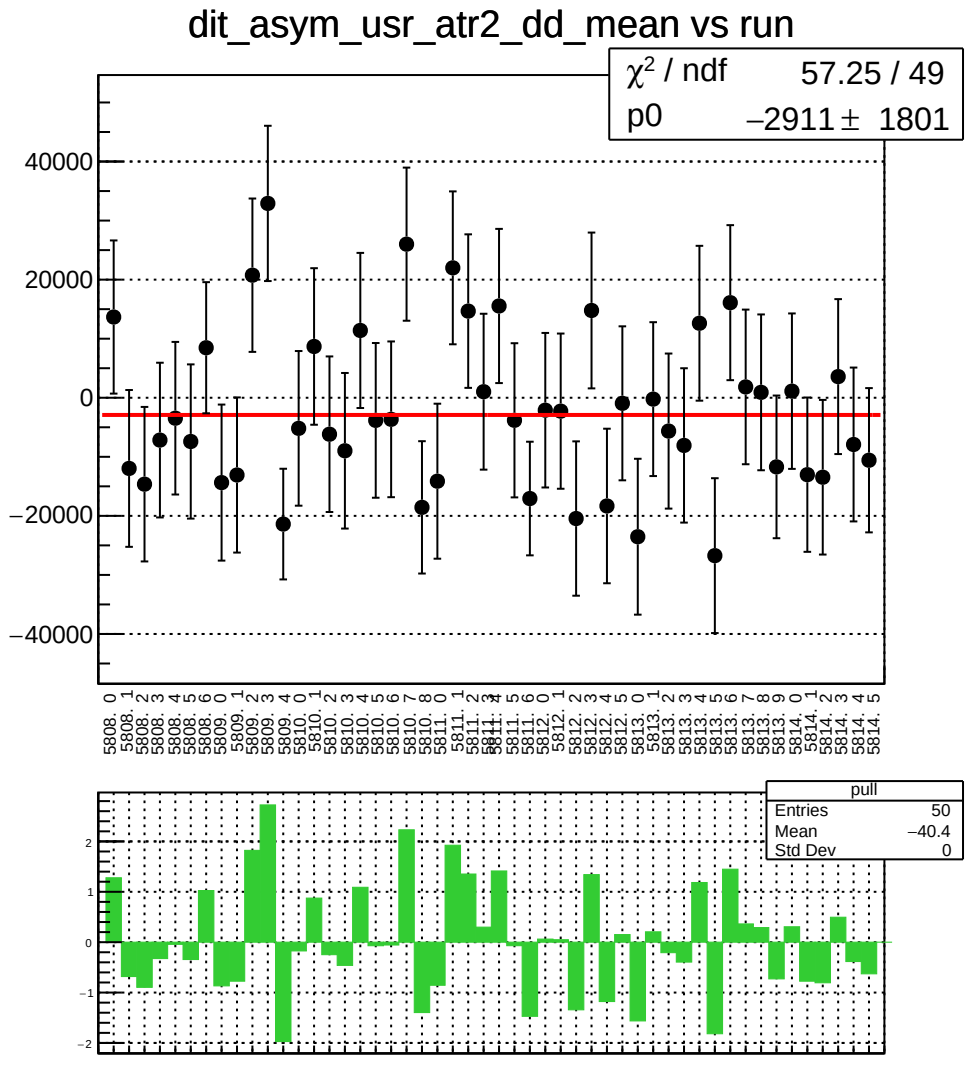
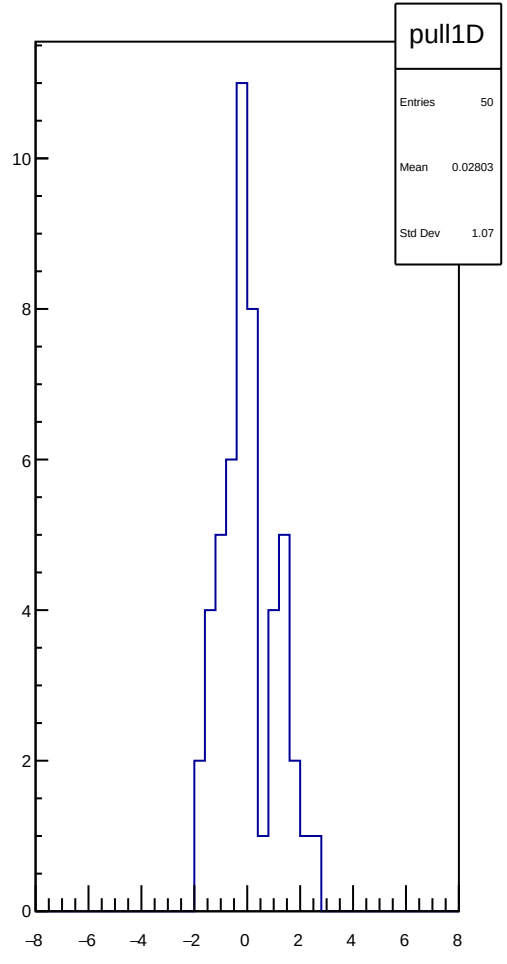
5814. 5


dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 57.25 / 49
p0 −2911 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −40.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02803
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
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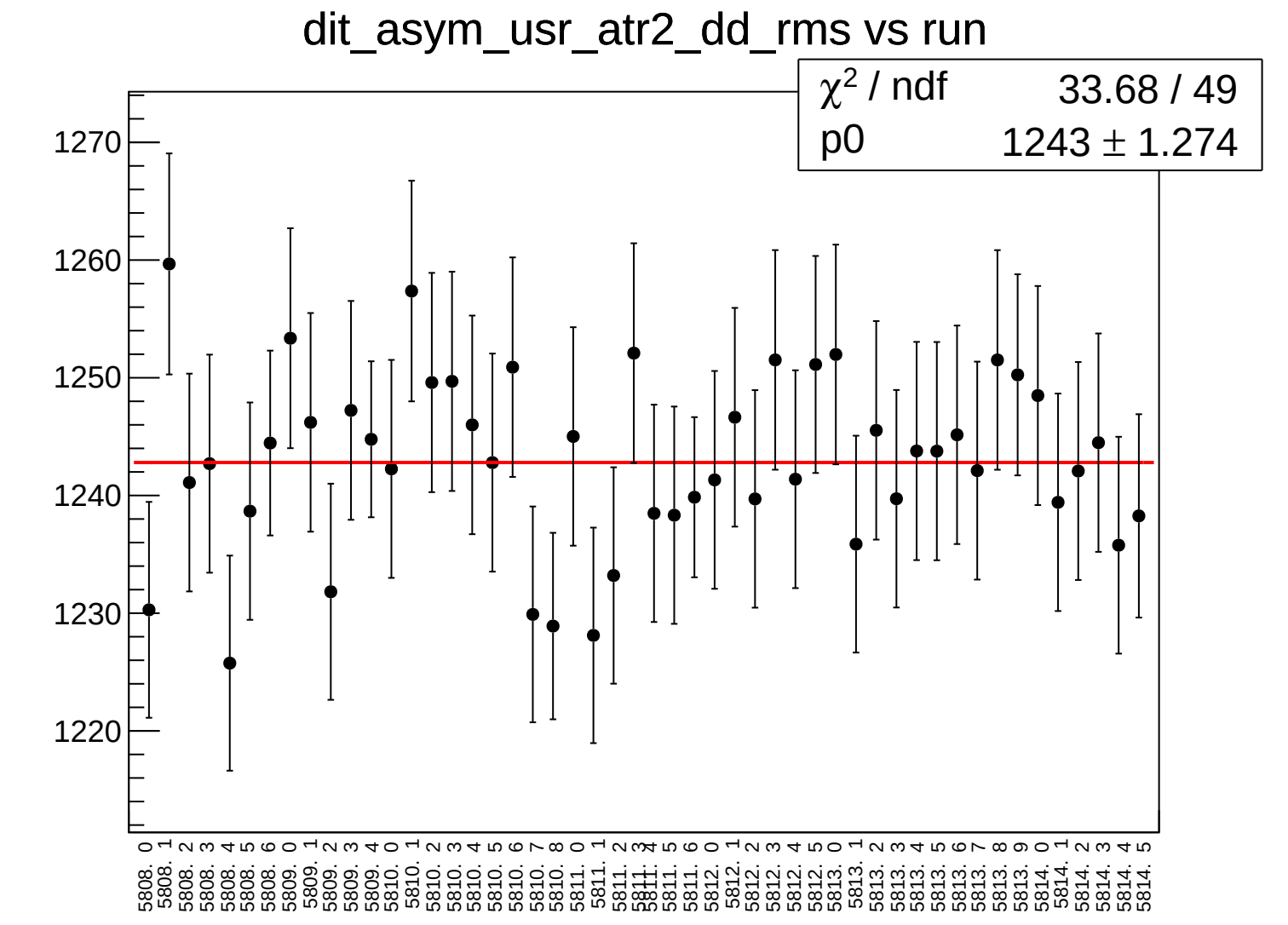
2
4
6
8


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 33.68 / 49
p0 1243 ± 1.274
1270
1260
1250
1240
1230
1220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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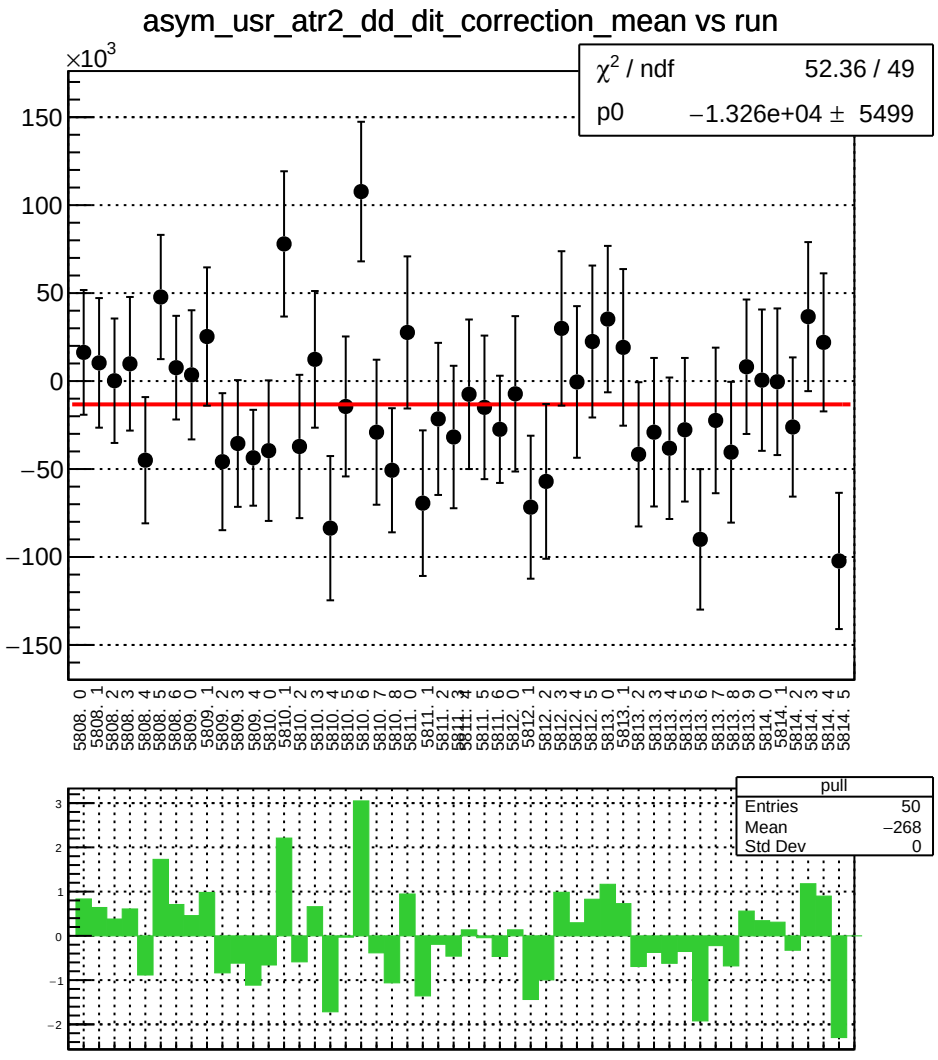
5814. 5


asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 52.36 / 49
p0 −1.326e+04 ± 5499
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 6
5812. 0
5812. 1
5812. 2
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5812. 5
5813. 0
5813. 1
5813. 2
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −268
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.008866
Std Dev 1.023
8
7
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5
4
3
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1
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−4
−2
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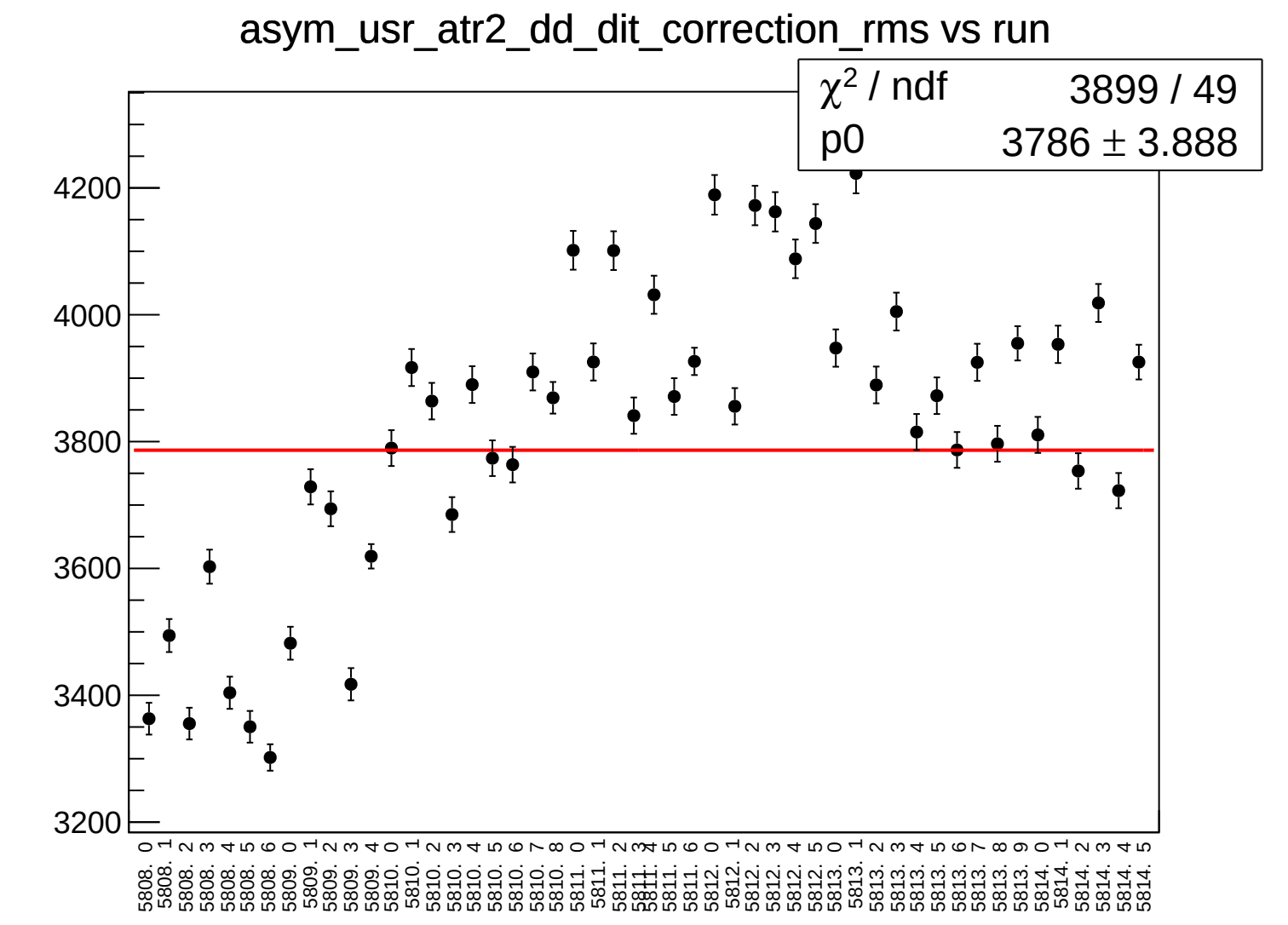
2
4
6
8


asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 3899 / 49
p0 3786 ± 3.888
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5813. 4
5813. 5
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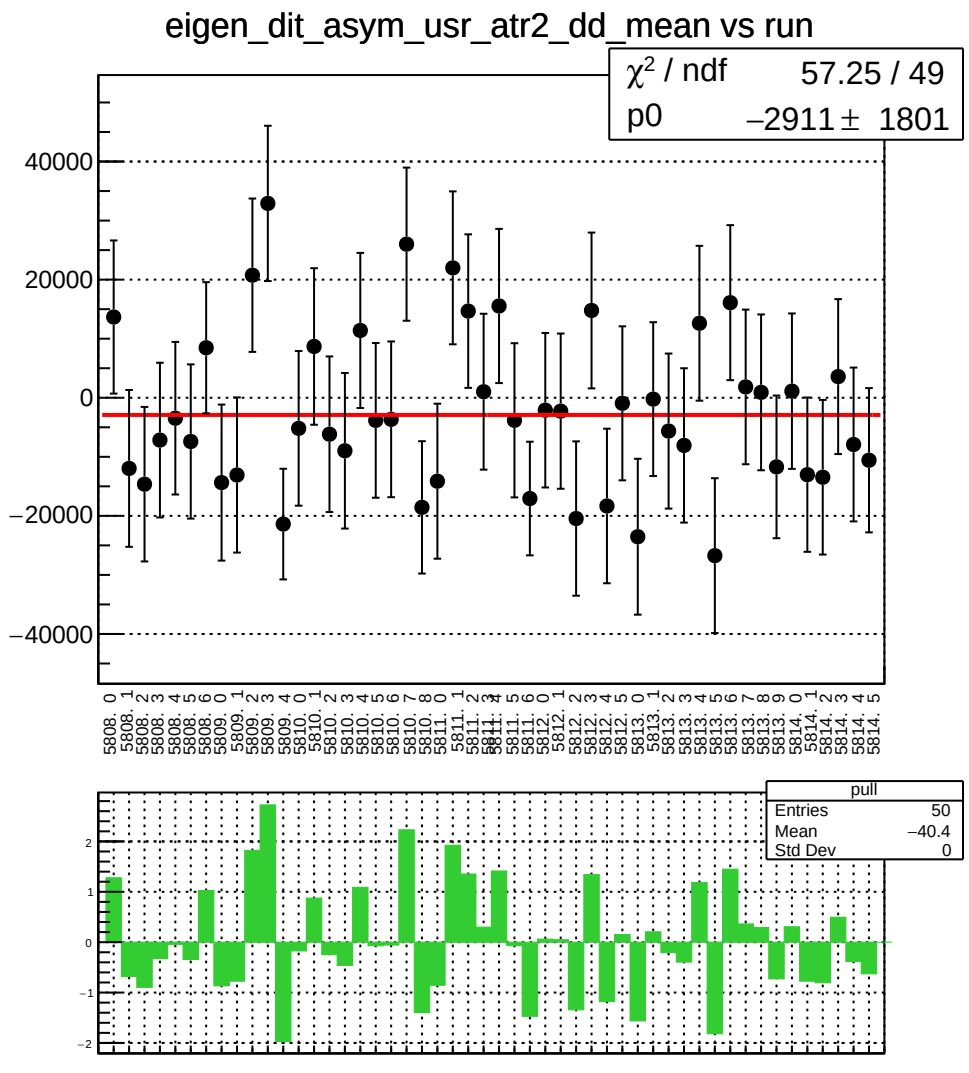
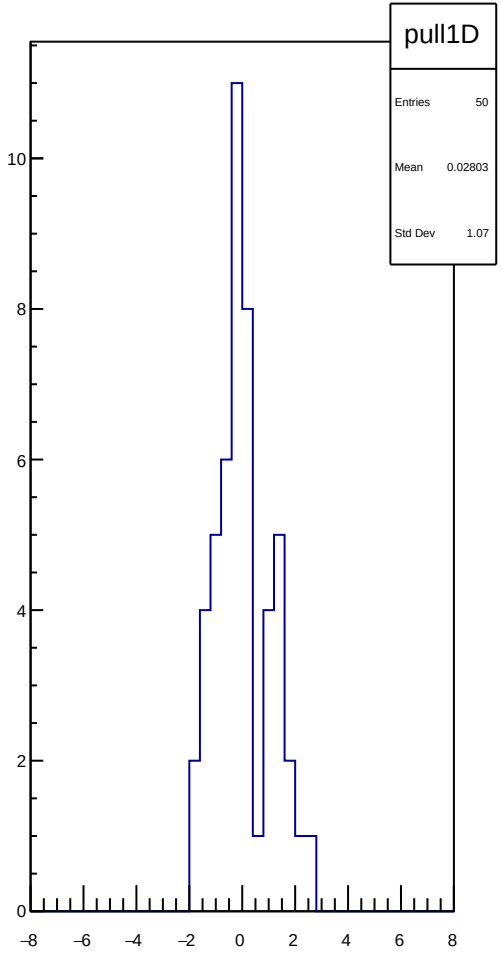
5814. 5


eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 57.25 / 49
p0 −2911 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −40.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02803
Std Dev 1.07
10
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6
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−8
−6
−4
−2
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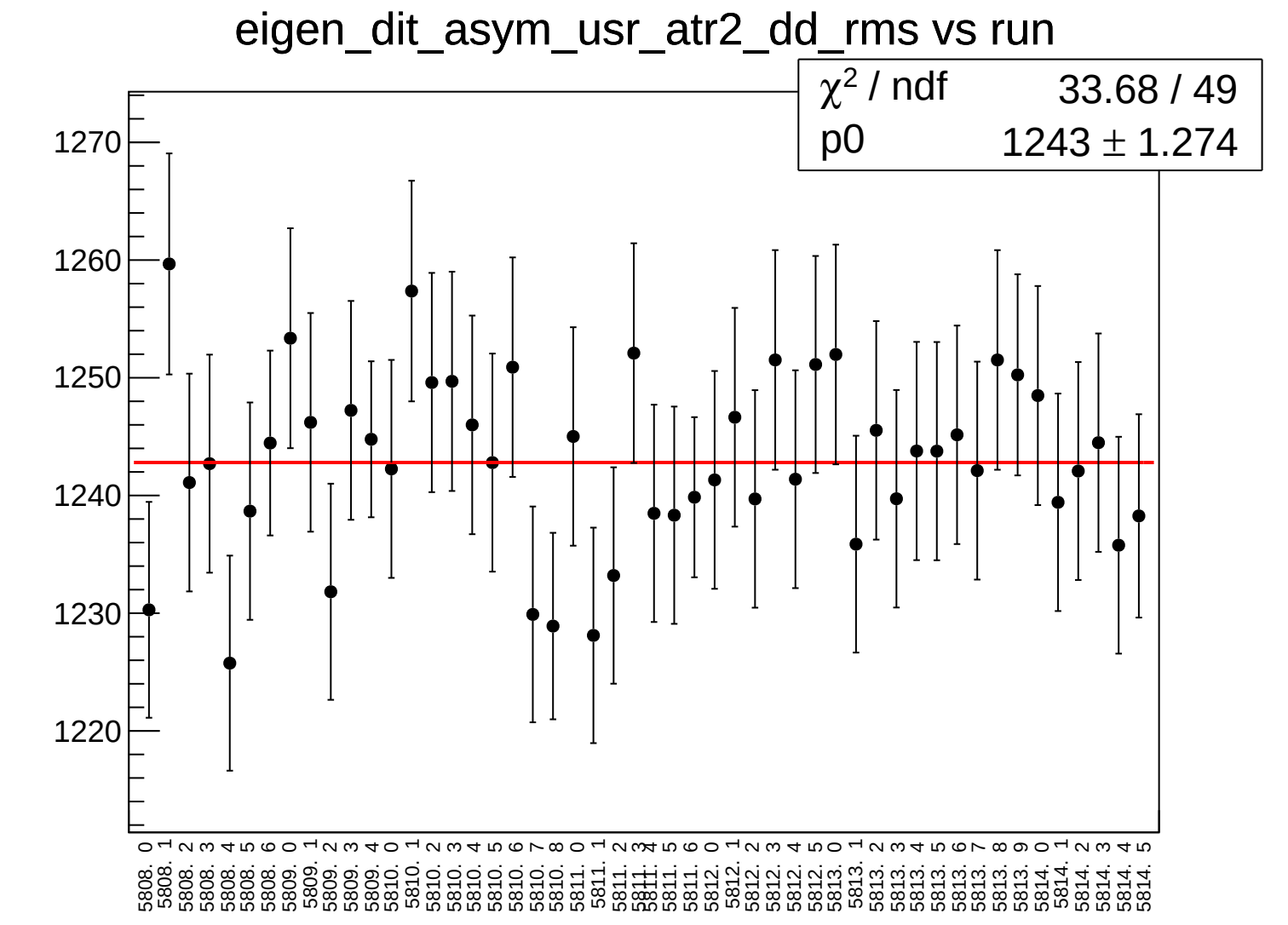
2
4
6
8


eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 33.68 / 49
p0 1243 ± 1.274
1270
1260
1250
1240
1230
1220
5808. 0
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5808. 2
5808. 3
5808. 4
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5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 4
5810. 5
5810. 6
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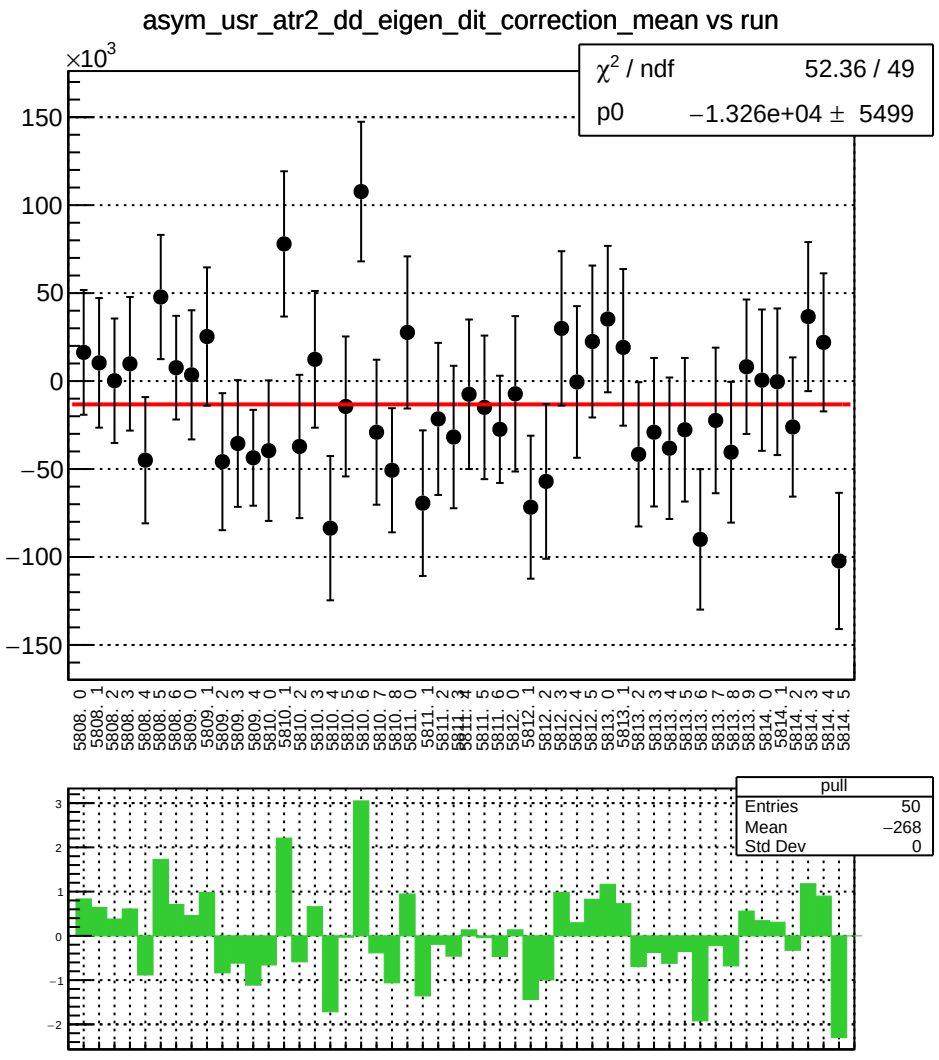
asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.36 / 49
p0 −1.326e+04 ± 5499
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
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5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
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5813. 5
5813. 6
5813. 7
5813. 8
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5814. 0
5814. 1
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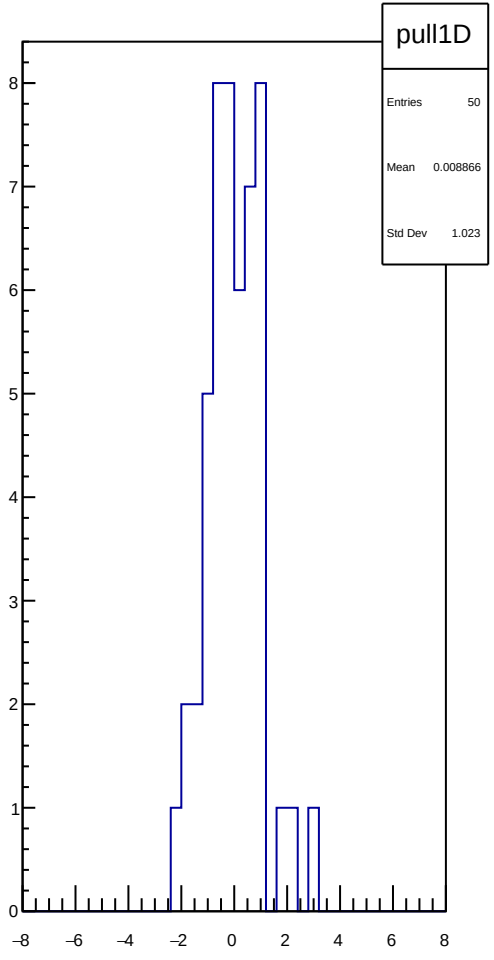
pull
Entries 50
Mean −268
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.008866
Std Dev 1.023
8
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−4
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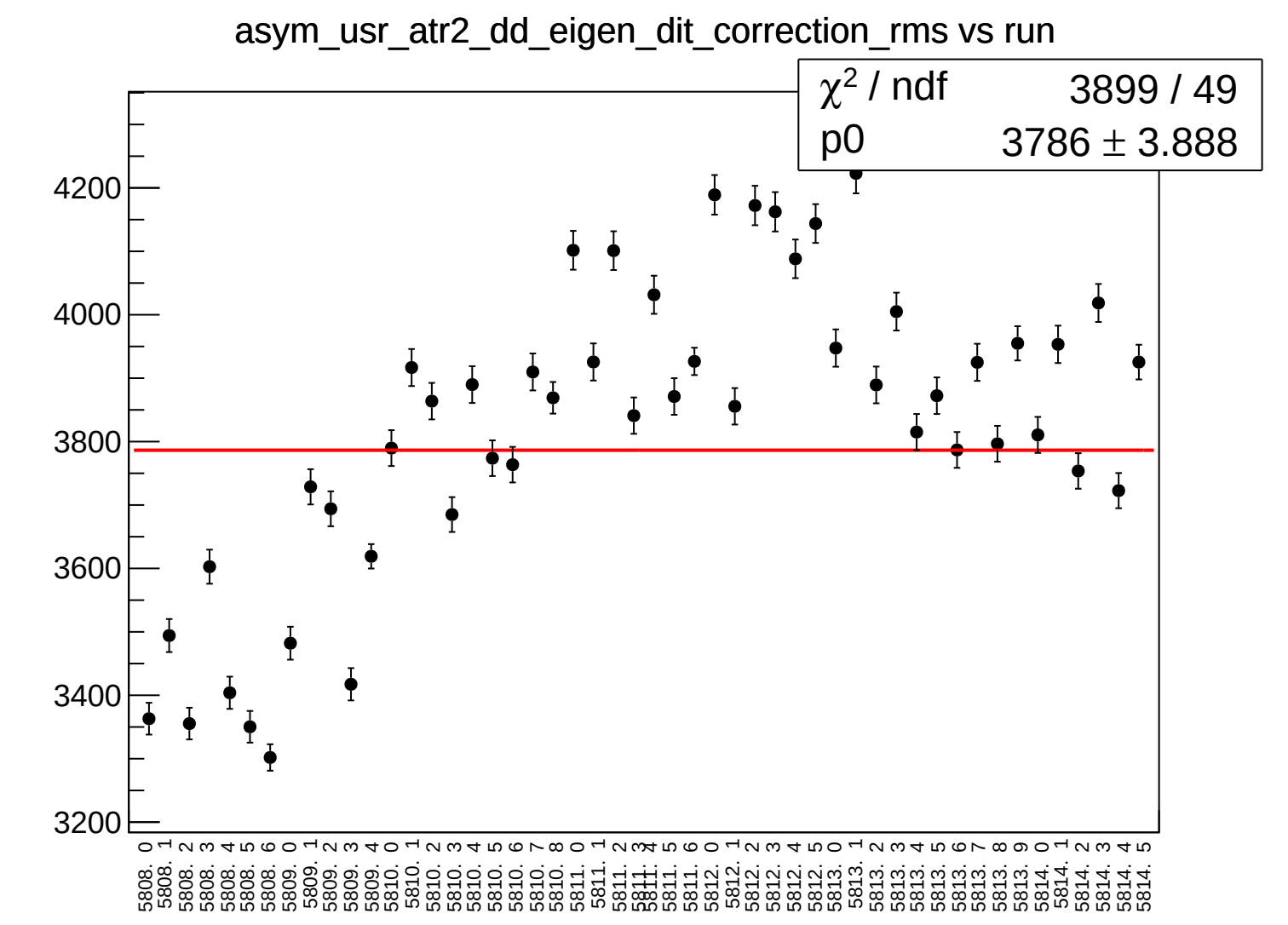
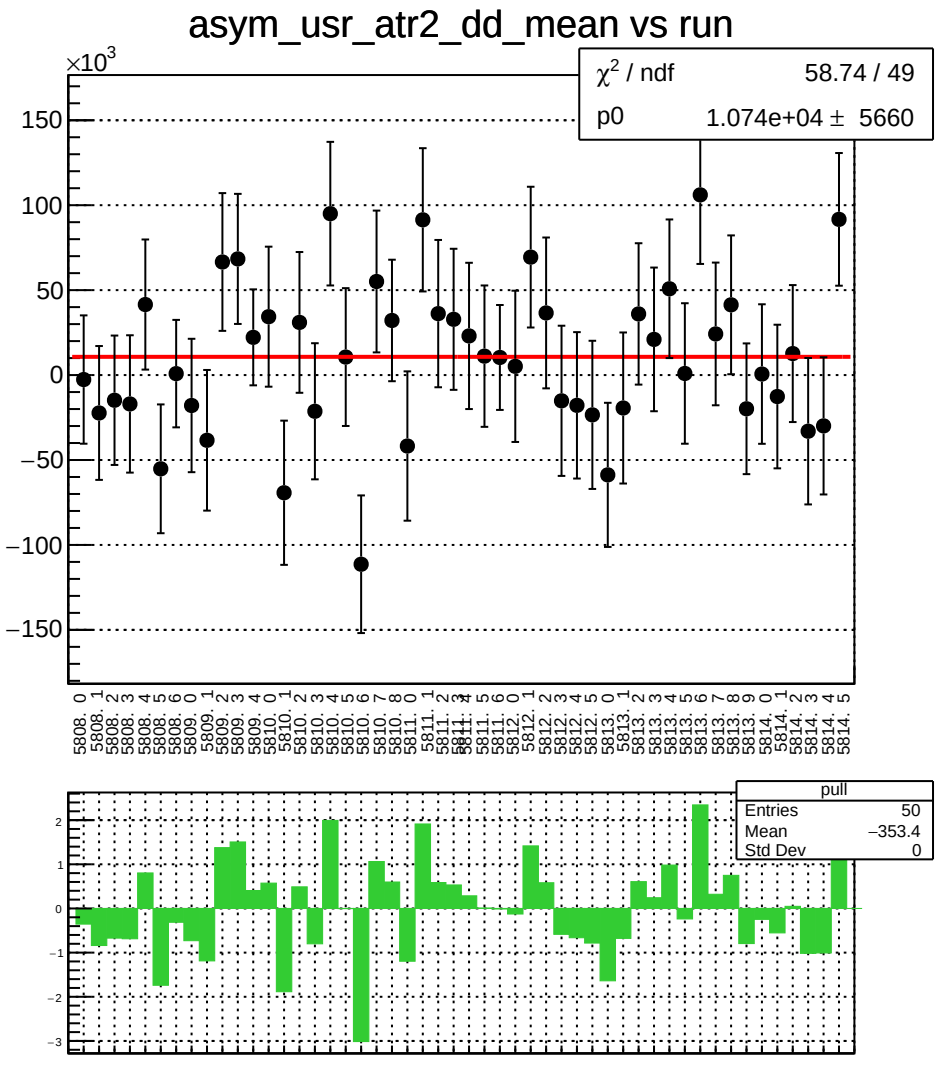
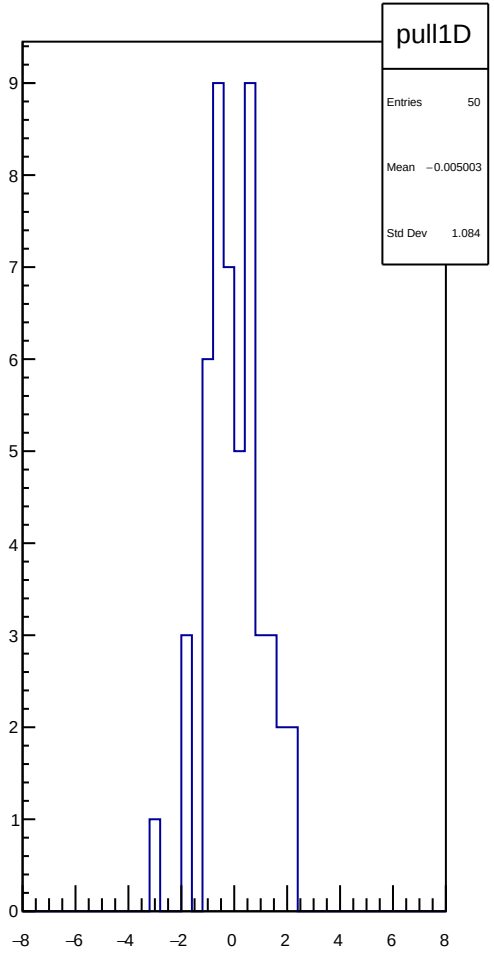
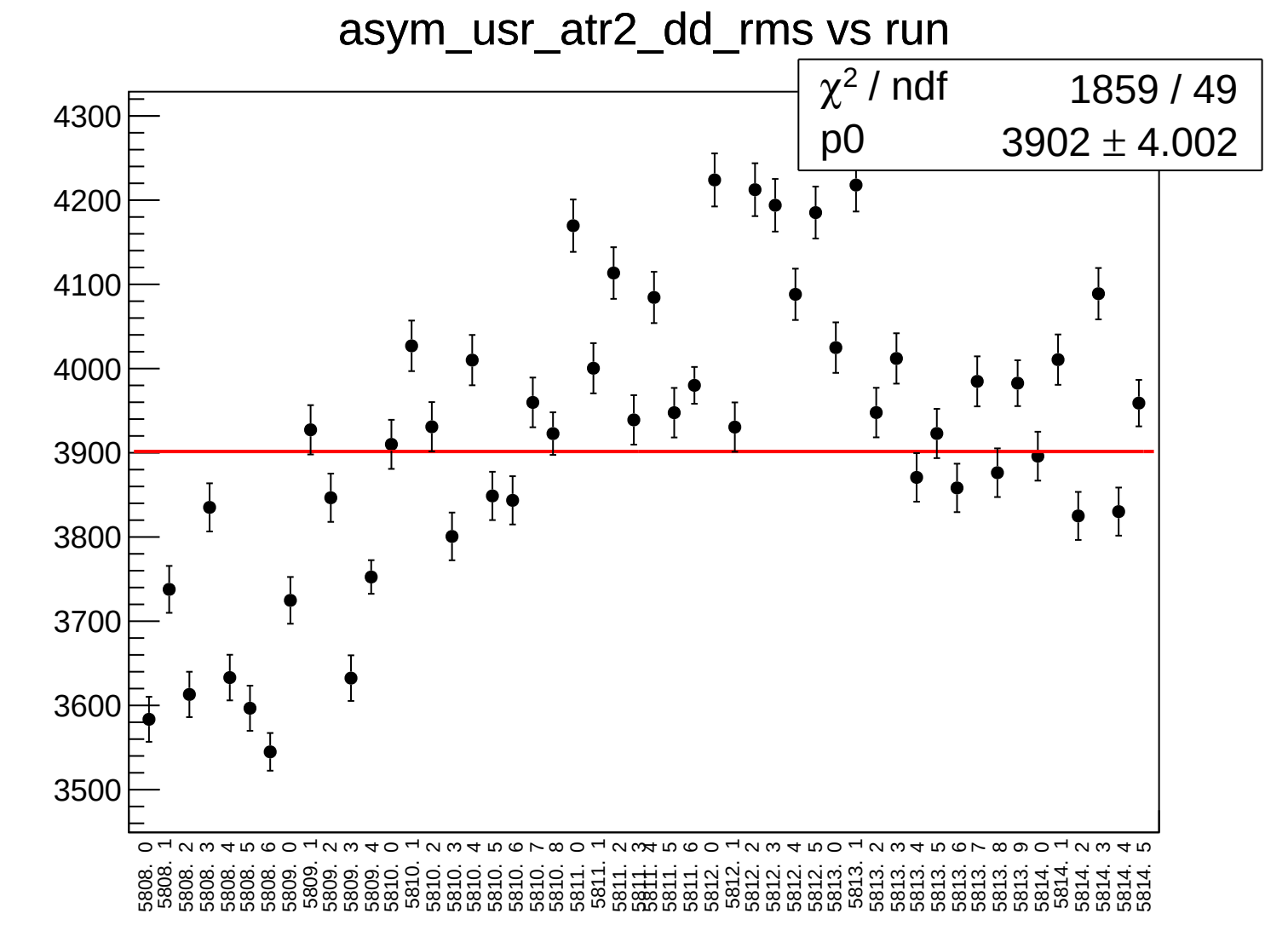
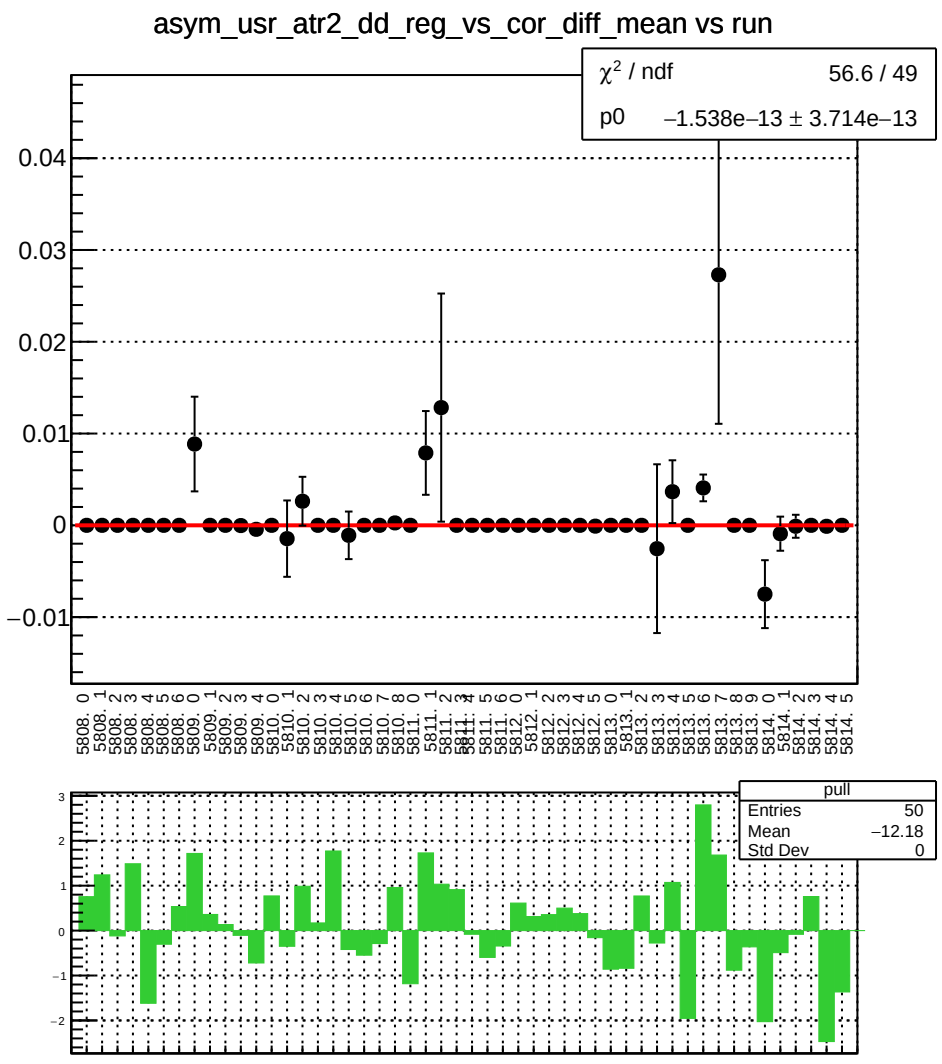
2
4
6
8

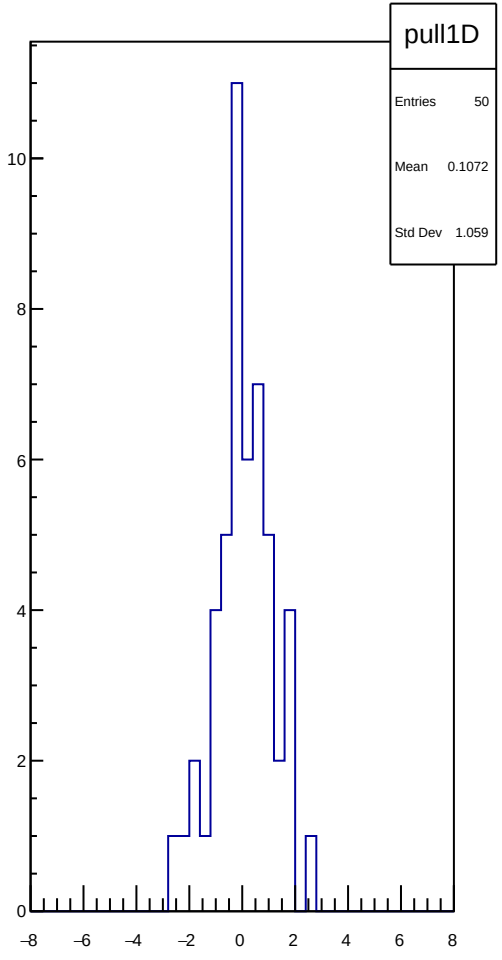

asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 3899 / 49
p0 3786 ± 3.888
4200
4000
3800
3600
3400
3200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

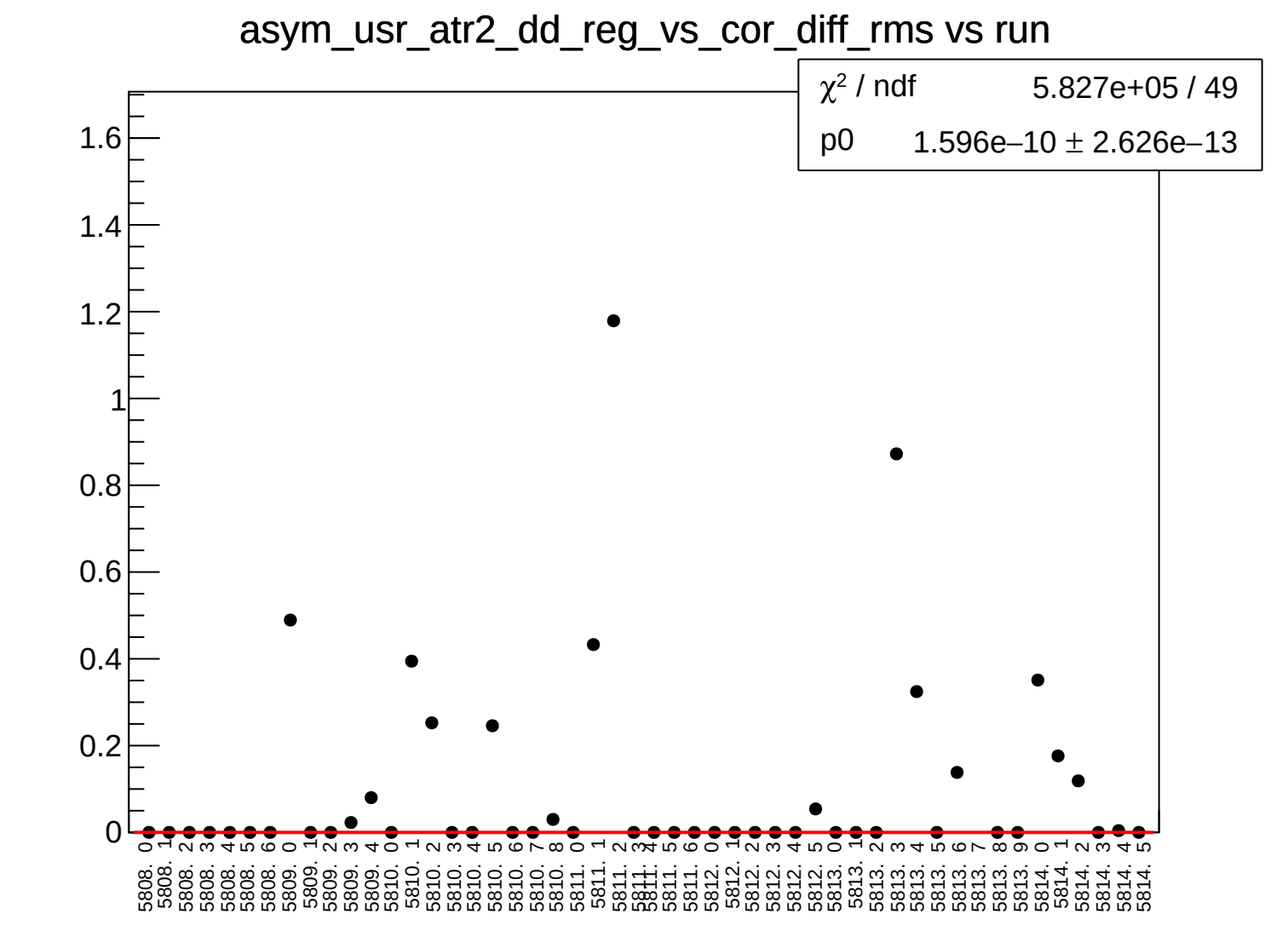

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 58.74 / 49
p0 1.074e+04 ± 5660
150
100
50
0
−50
−100
−150
pull
Entries 50
Mean −353.4
Std Dev 0
2
1
0
−1
−2
−3

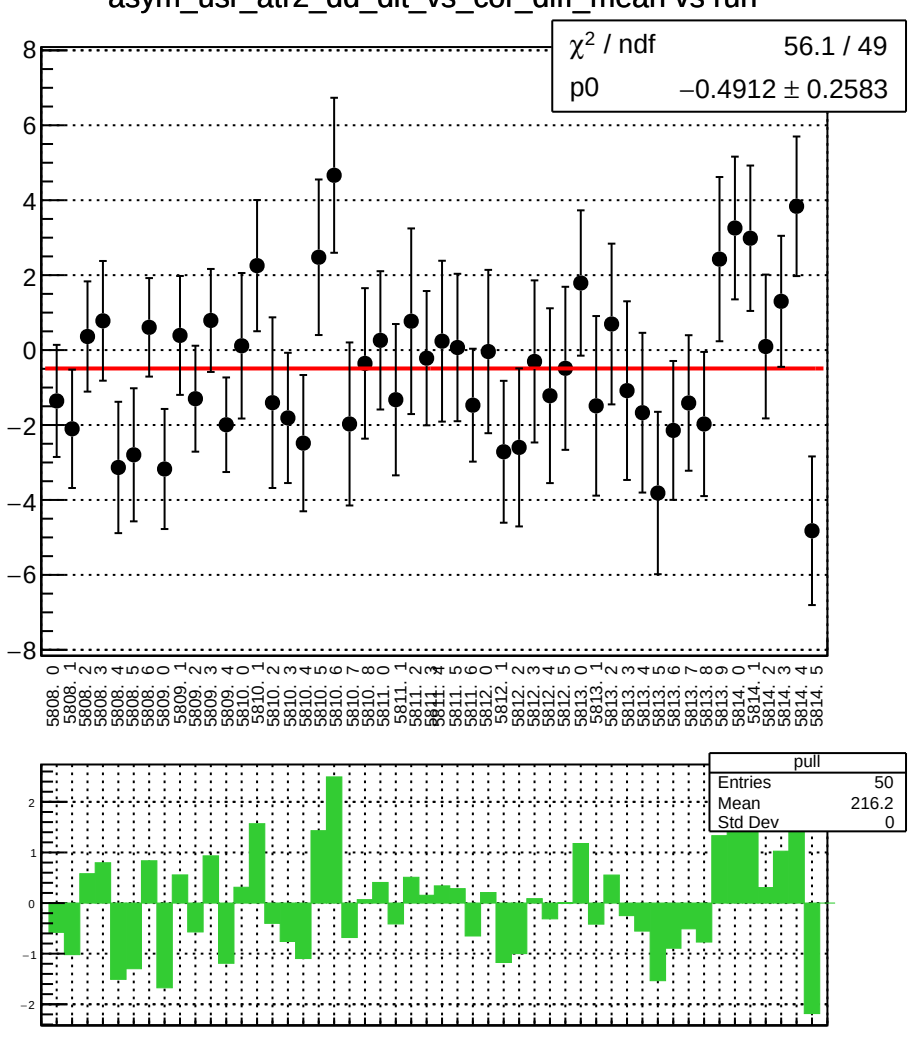

pull1D
Entries 50
Mean −0.005003
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

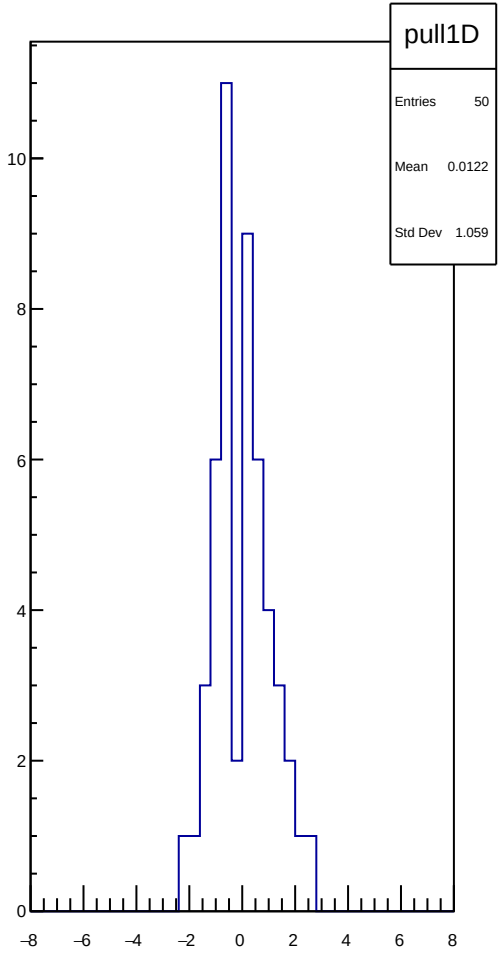

asym_usr_atr2_dd_rms vs run
χ² / ndf 1859 / 49
p0 3902 ± 4.002
4300
4200
4100
4000
3900
3800
3700
3600
3500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

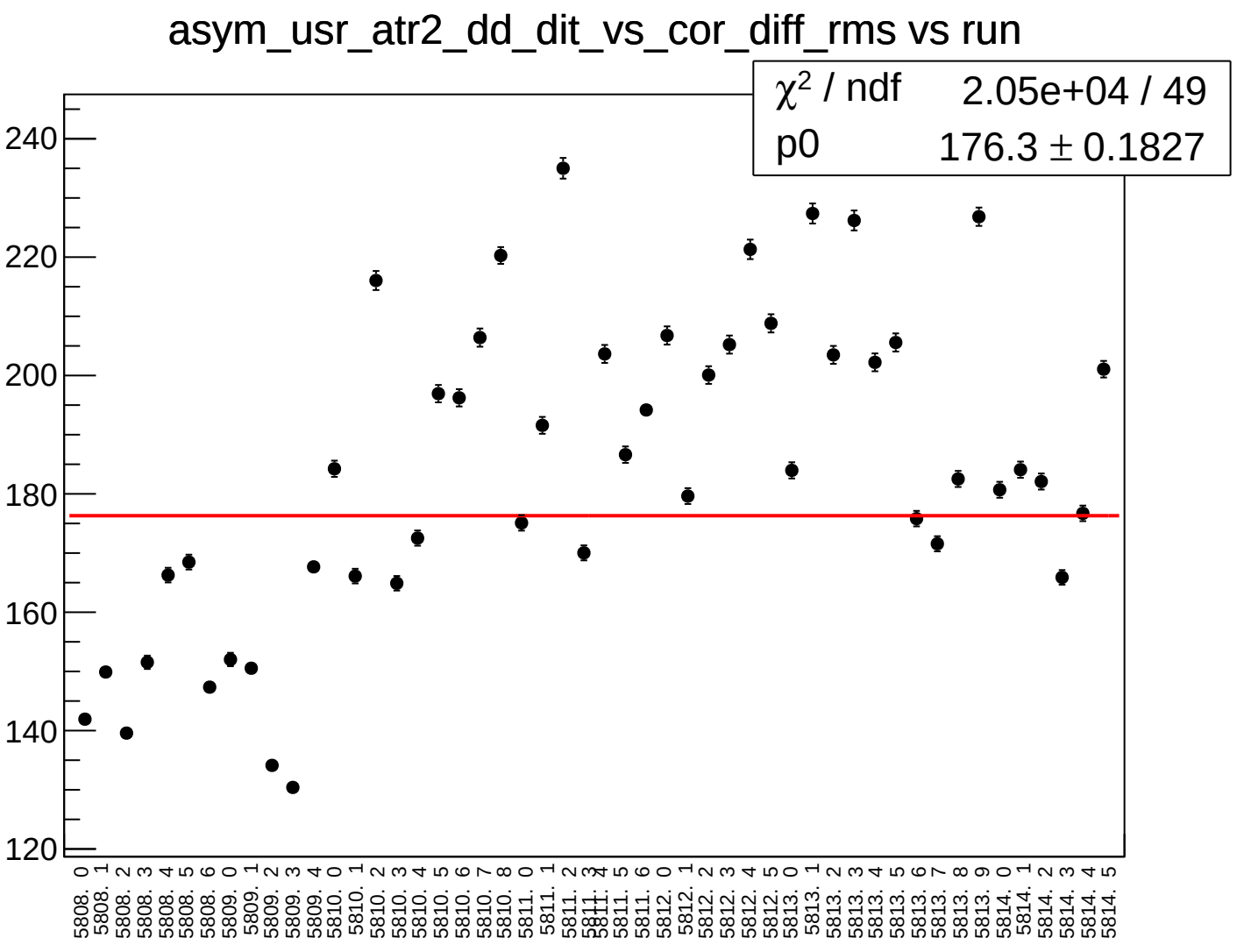

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.6 / 49
p0 −1.538e−13 ± 3.714e−13
0.04
0.03
0.02
0.01
0
−0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −12.18
Std Dev 0
3
2
1
0
−1
−2

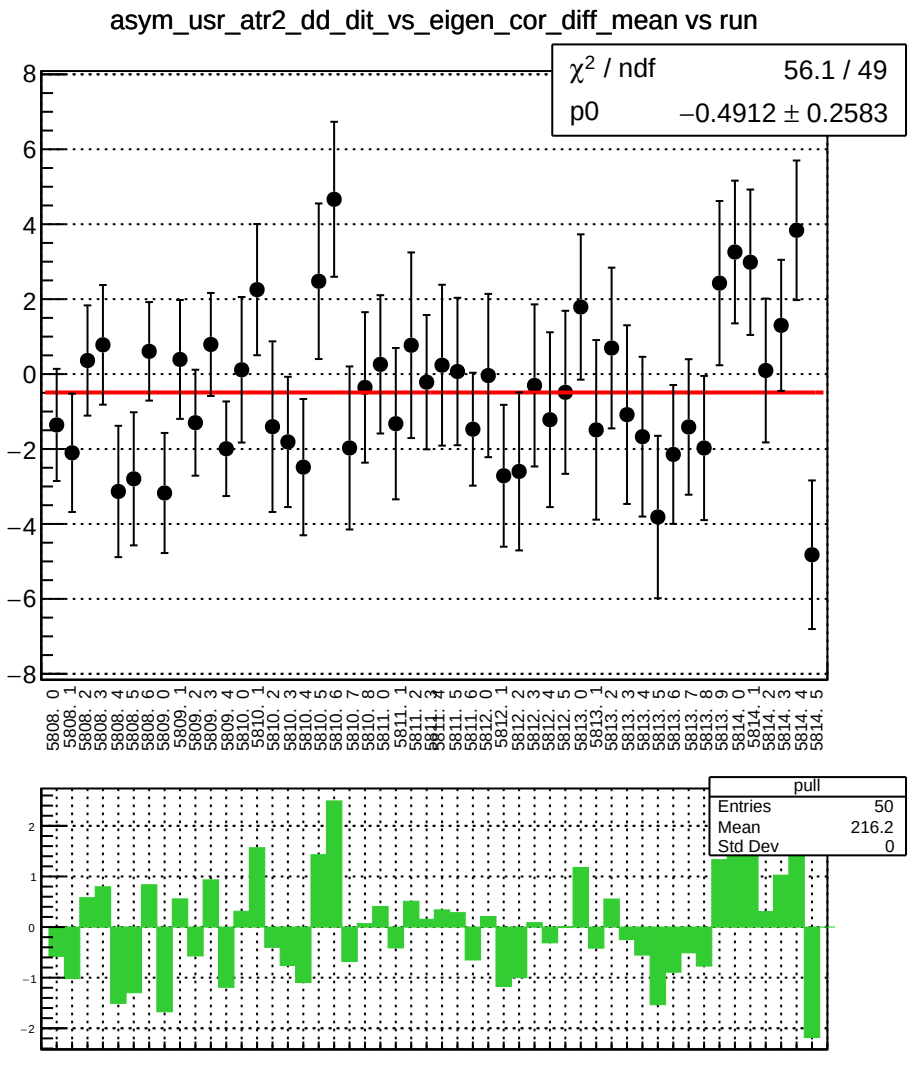

pull1D
Entries 50
Mean 0.1072
Std Dev 1.059
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

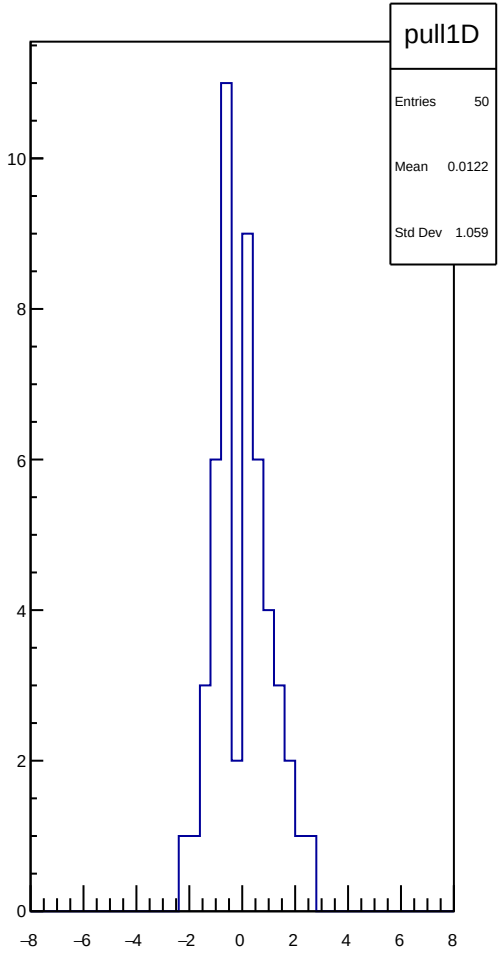

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.827e+05 / 49
p0 1.596e−10 ± 2.626e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

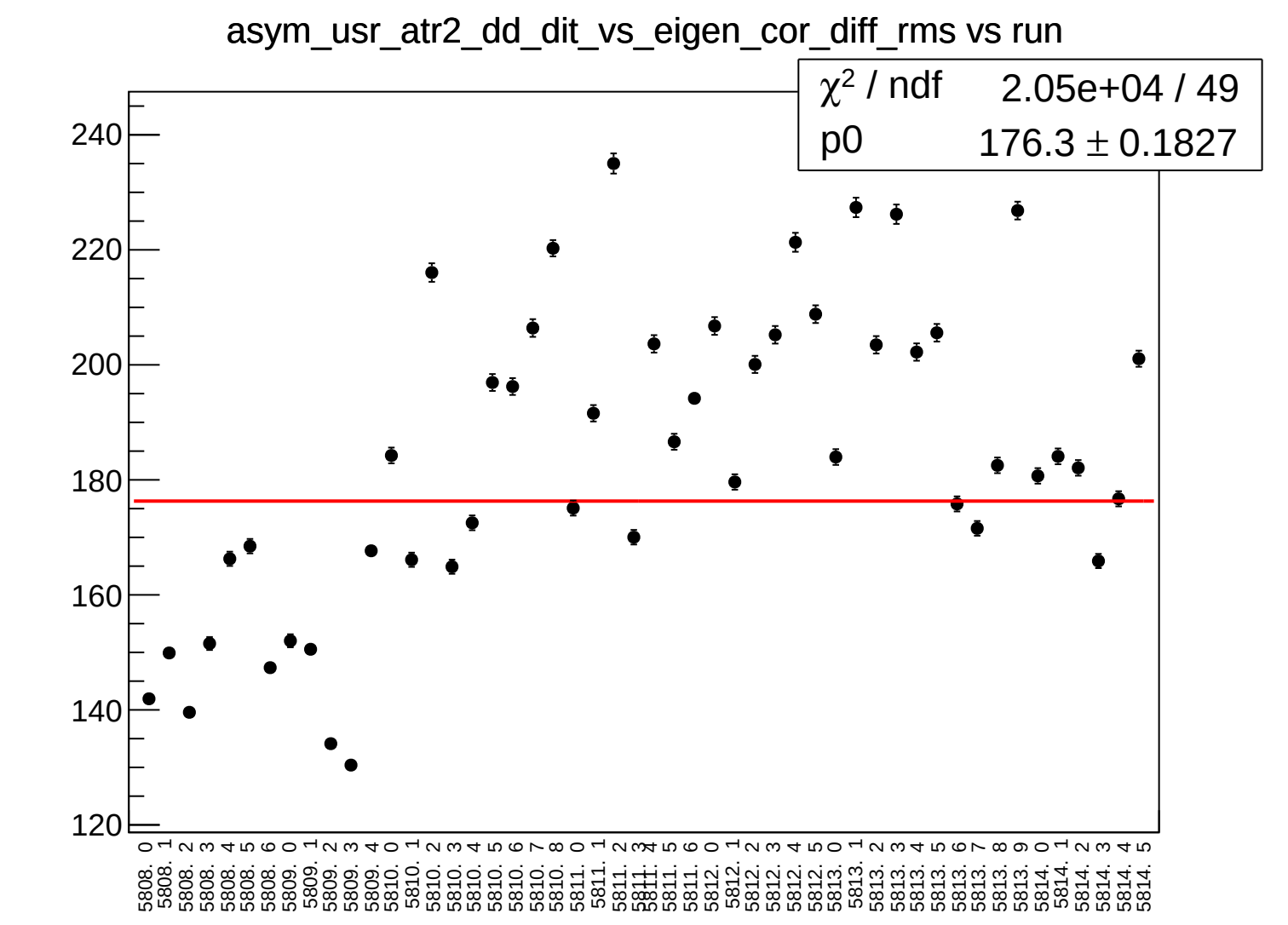

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.1 / 49
p0 −0.4912 ± 0.2583
pull
Entries 50
Mean 216.2
Std Dev 0

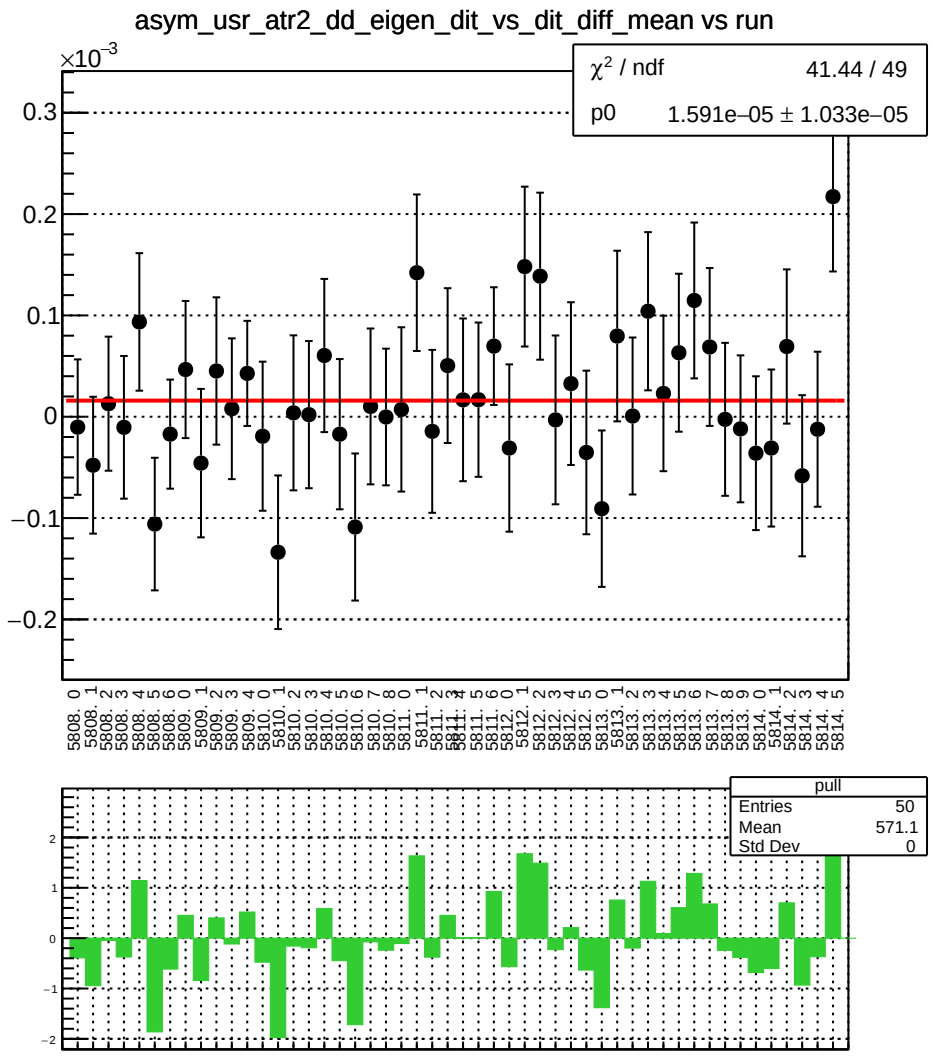

pull1D
Entries 50
Mean 0.0122
Std Dev 1.059

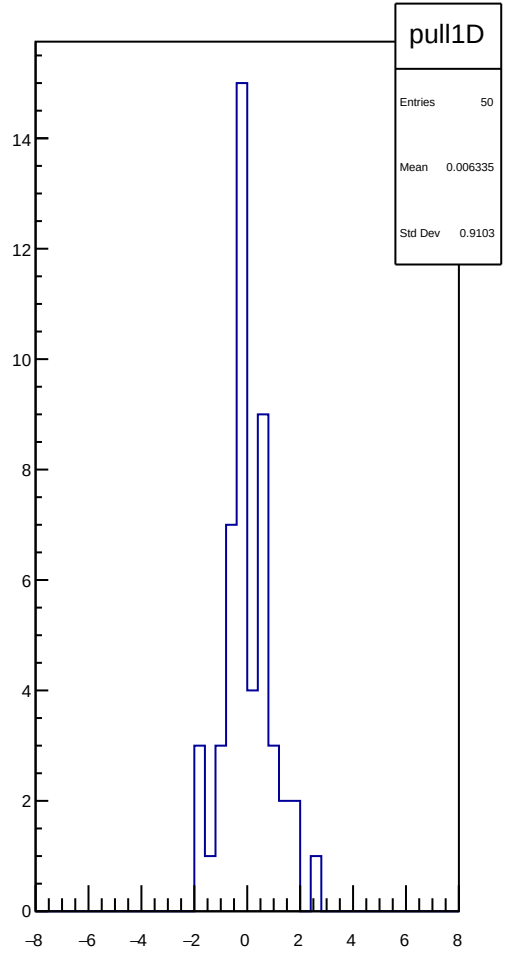

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.05e+04 / 49
p0 176.3 ± 0.1827
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

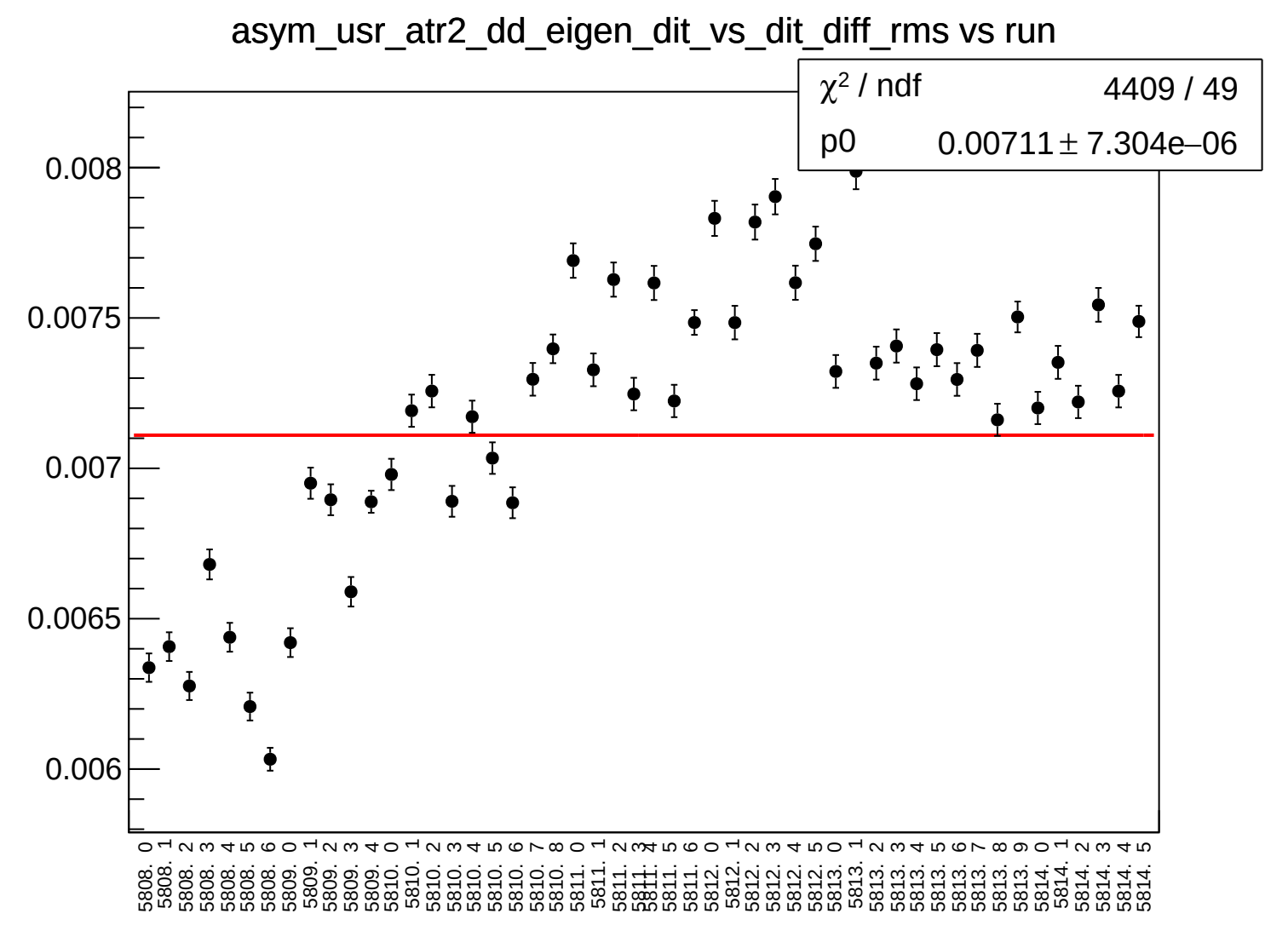

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.1 / 49
p0 −0.4912 ± 0.2583
pull
Entries 50
Mean 216.2
Std Dev 0

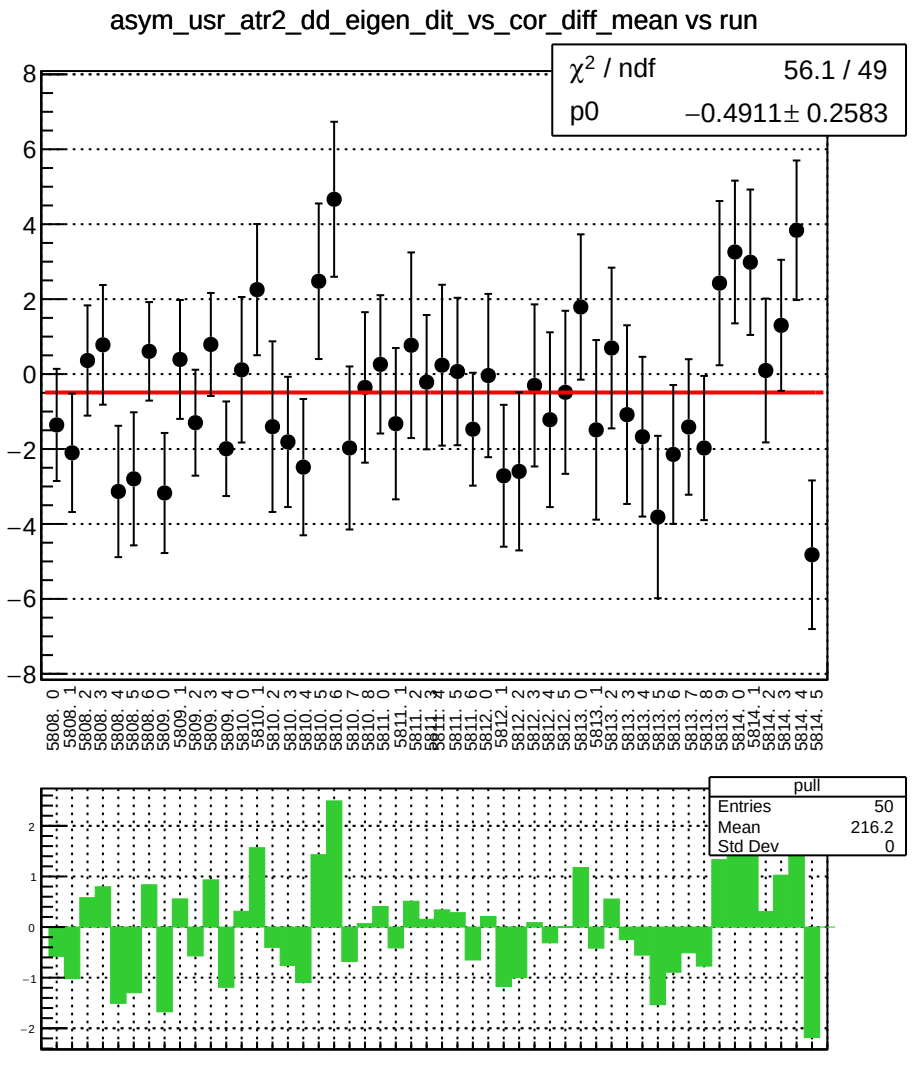

pull1D
Entries 50
Mean 0.0122
Std Dev 1.059

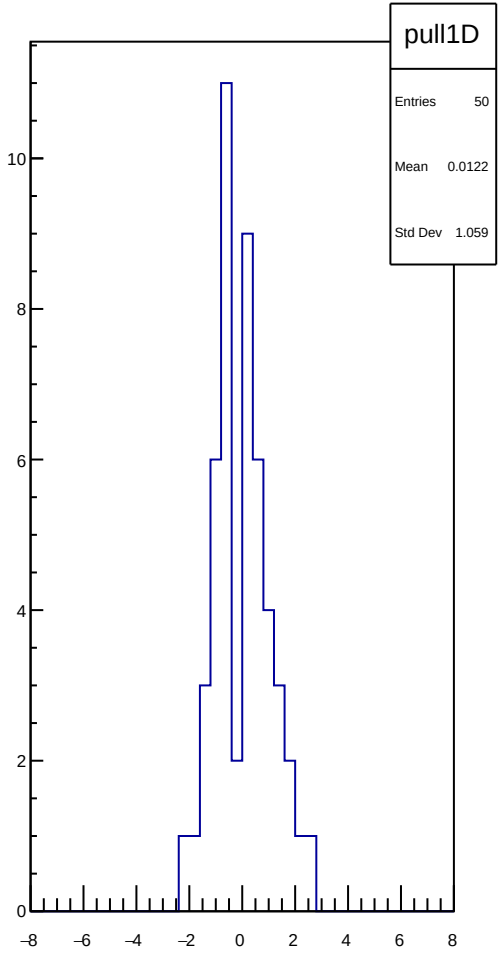

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.05e+04 / 49
p0 176.3 ± 0.1827
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

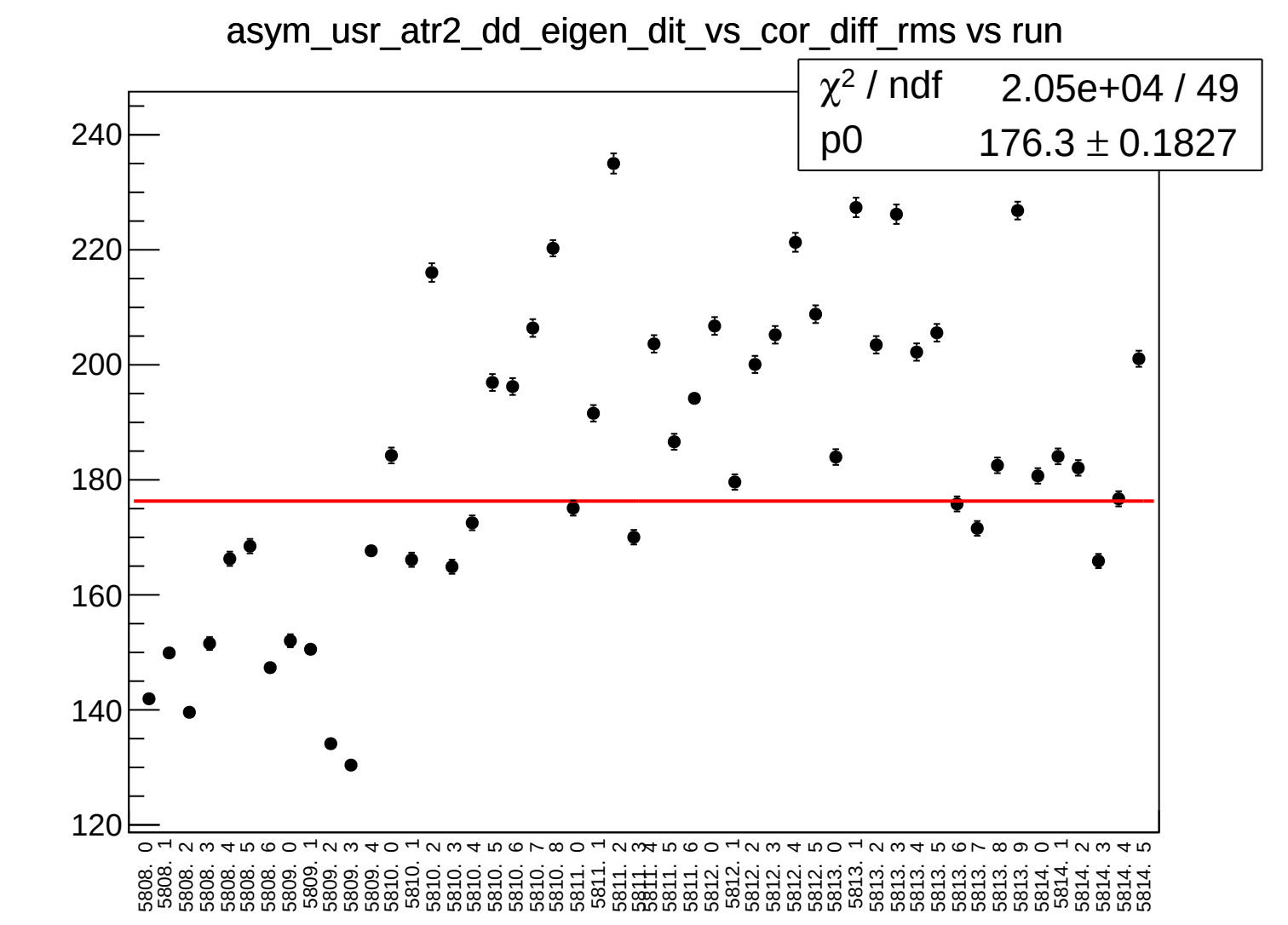

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.44 / 49
p0 1.591e−05 ± 1.033e−05
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 50
Mean 571.1
Std Dev 0
2
1
0
−1
−2

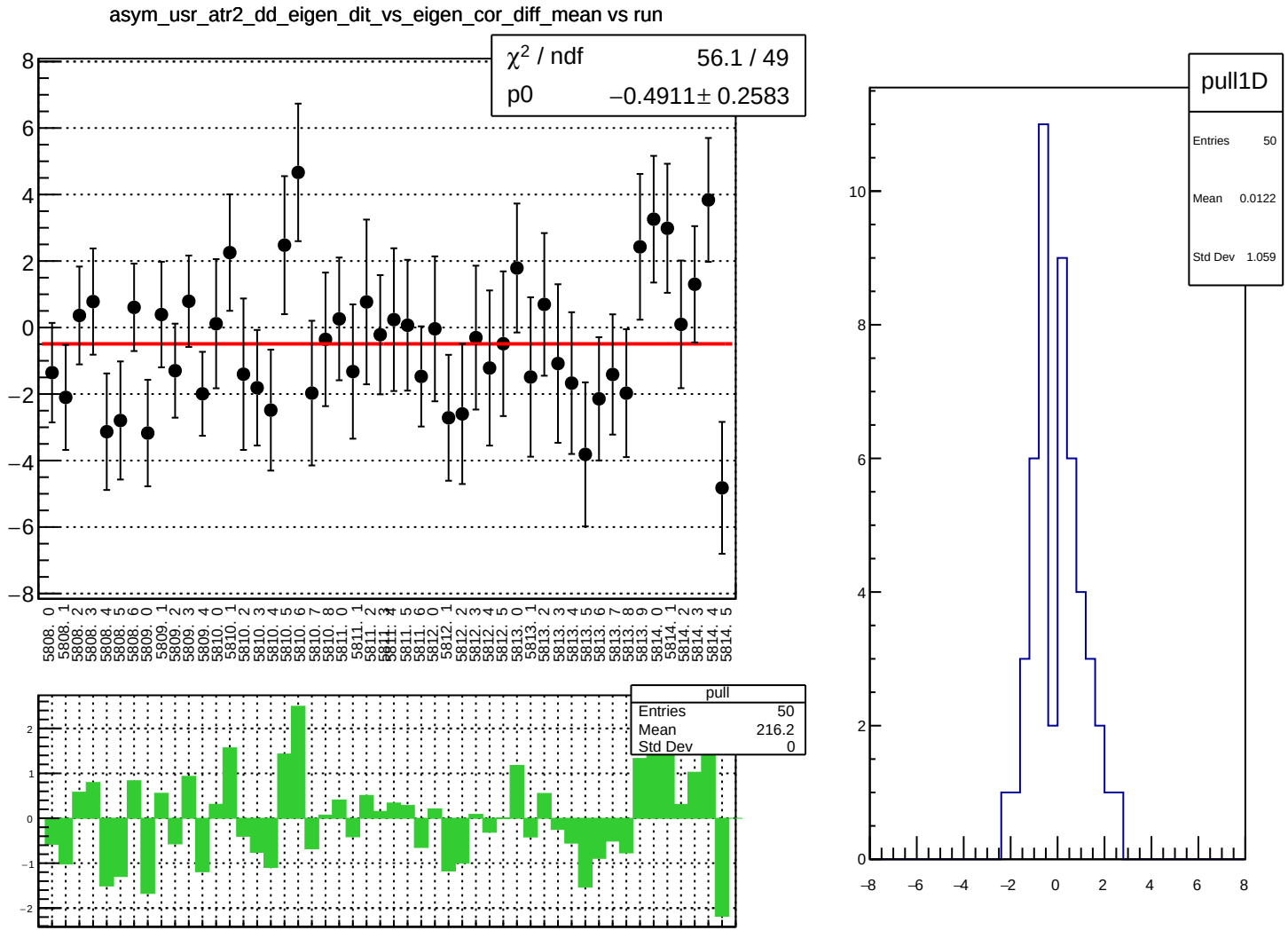

pull1D
Entries 50
Mean 0.006335
Std Dev 0.9103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

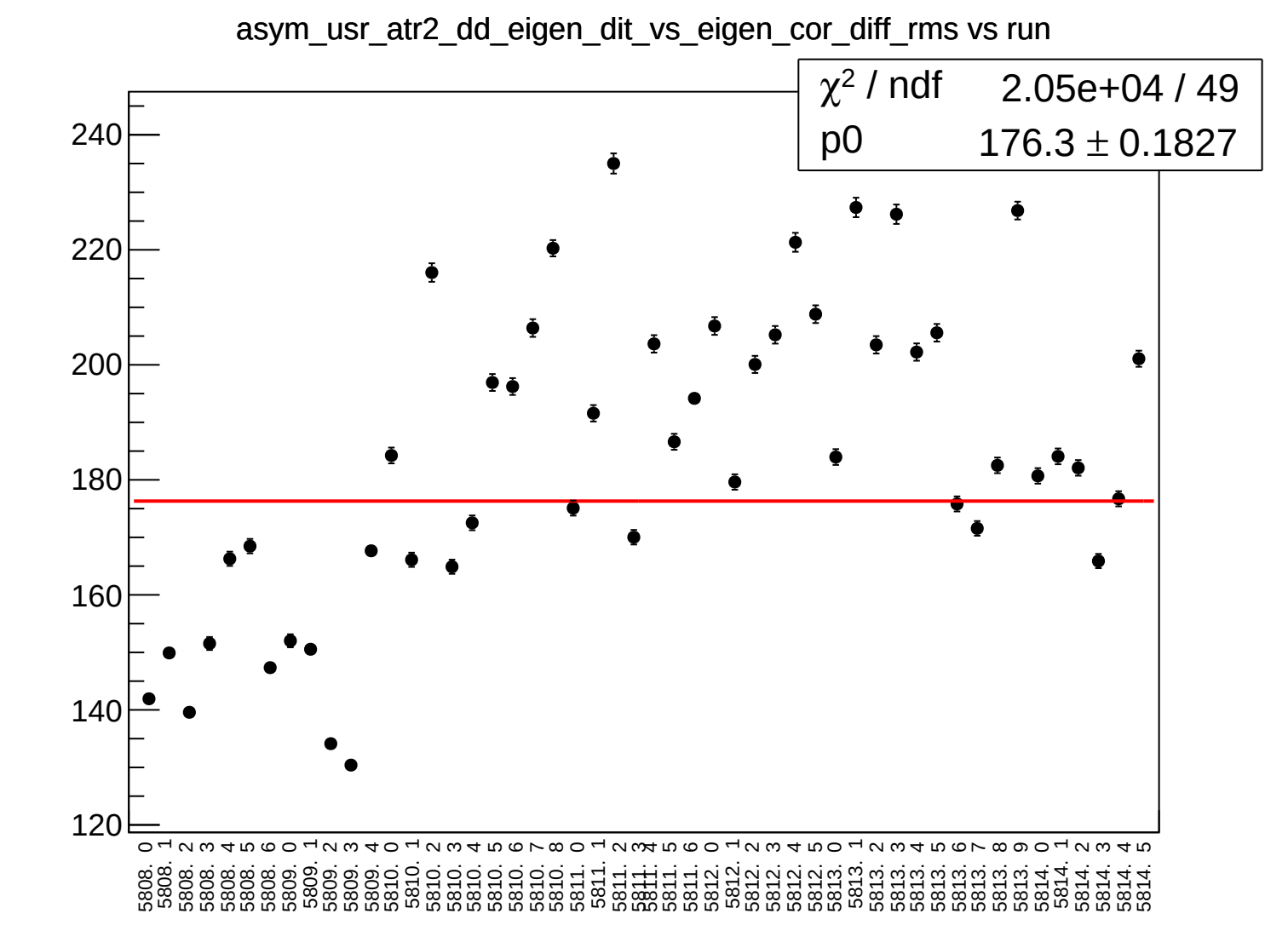

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4409 / 49
p0 0.00711 ± 7.304e–06
0.008
0.0075
0.007
0.0065
0.006
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

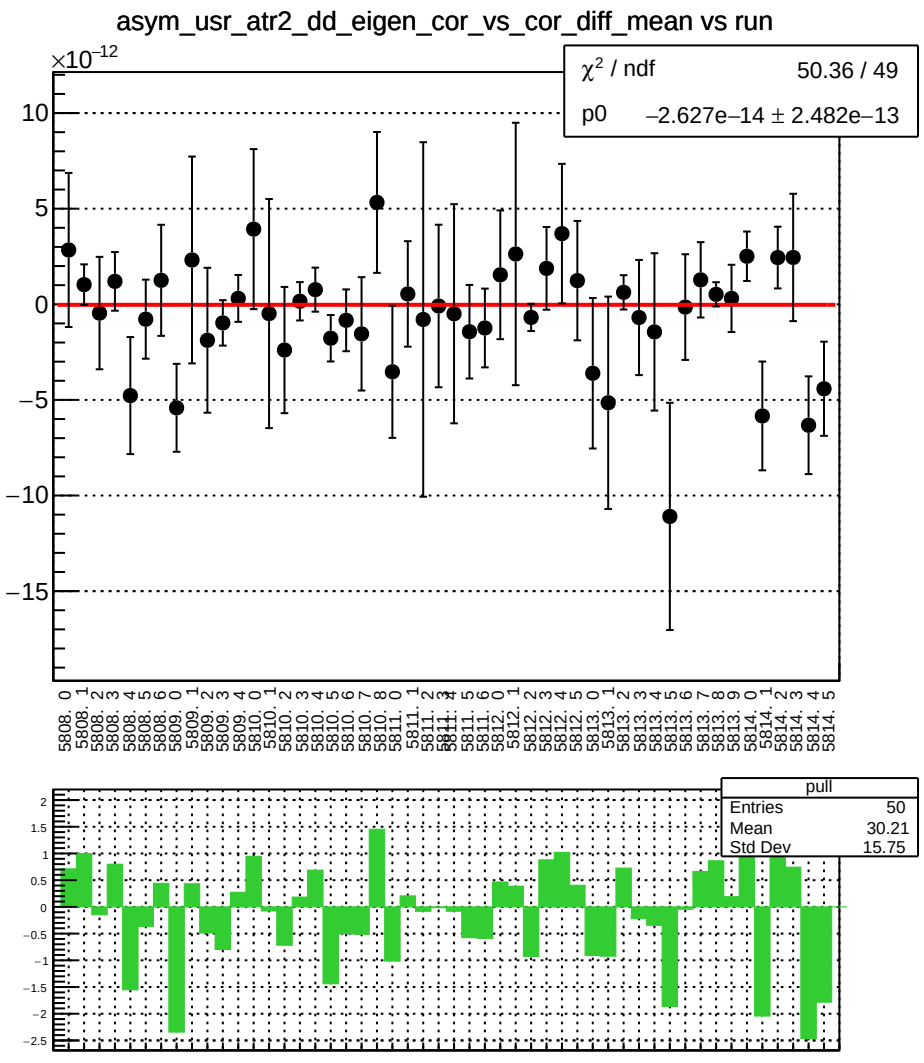

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.1 / 49
p0 −0.4911± 0.2583
pull
Entries 50
Mean 216.2
Std Dev 0

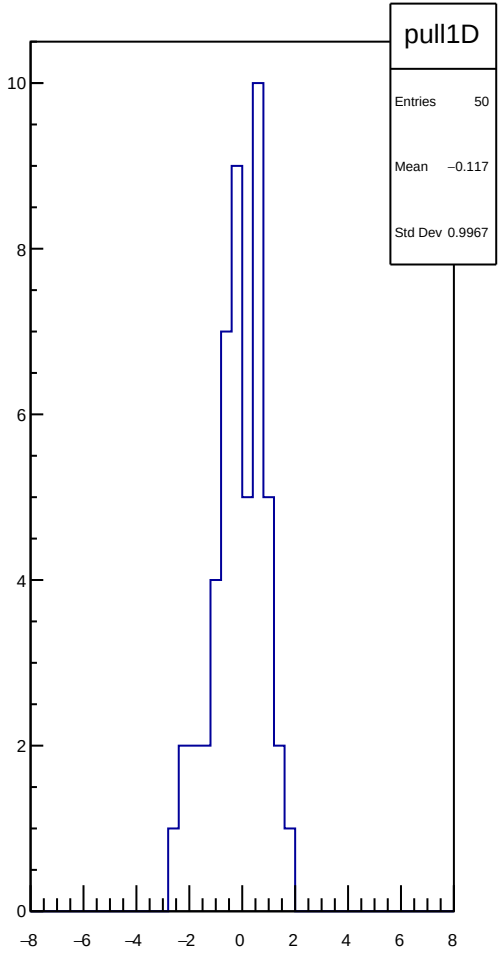

pull1D
Entries 50
Mean 0.0122
Std Dev 1.059

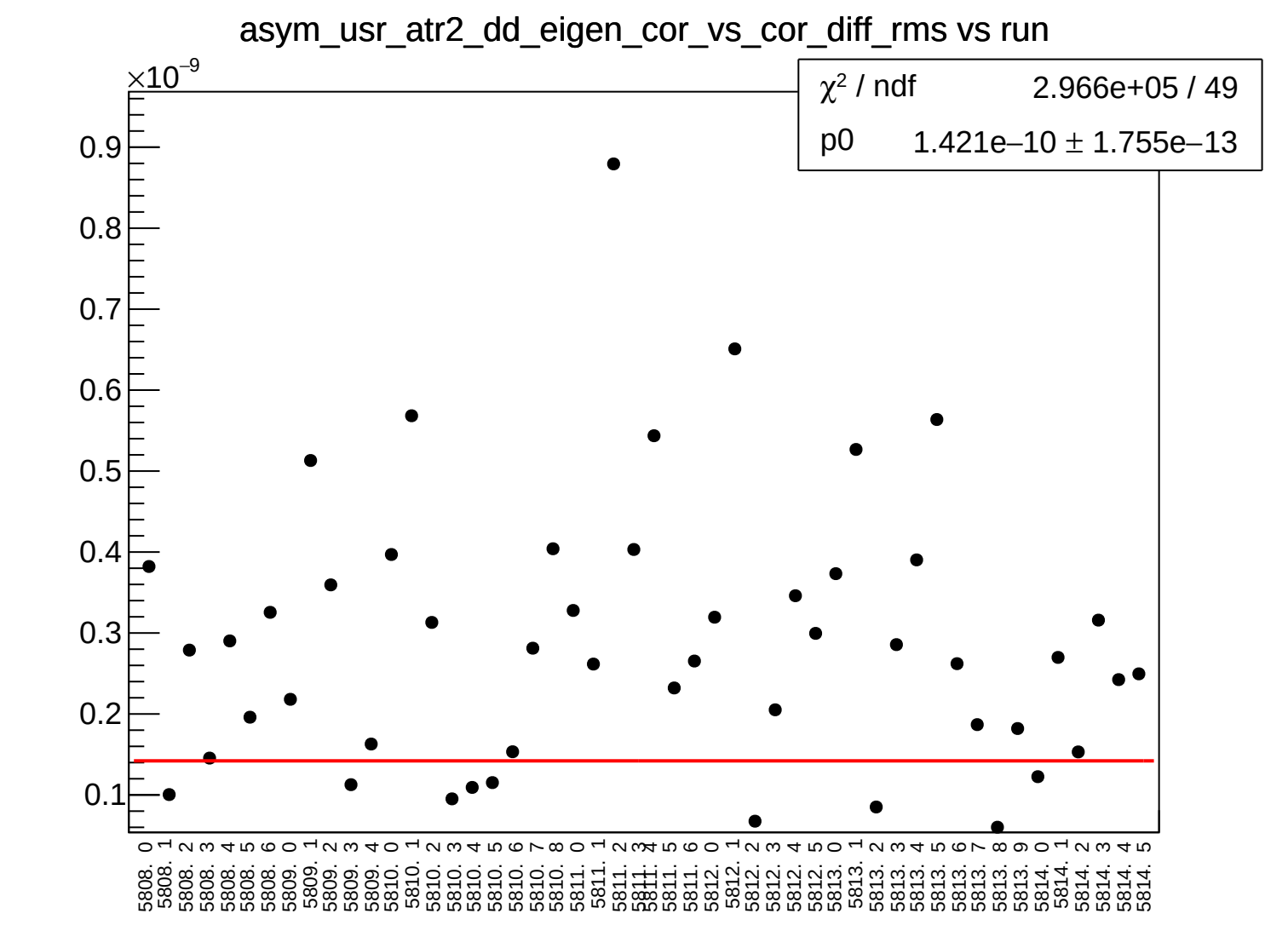

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.05e+04 / 49
p0 176.3 ± 0.1827
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

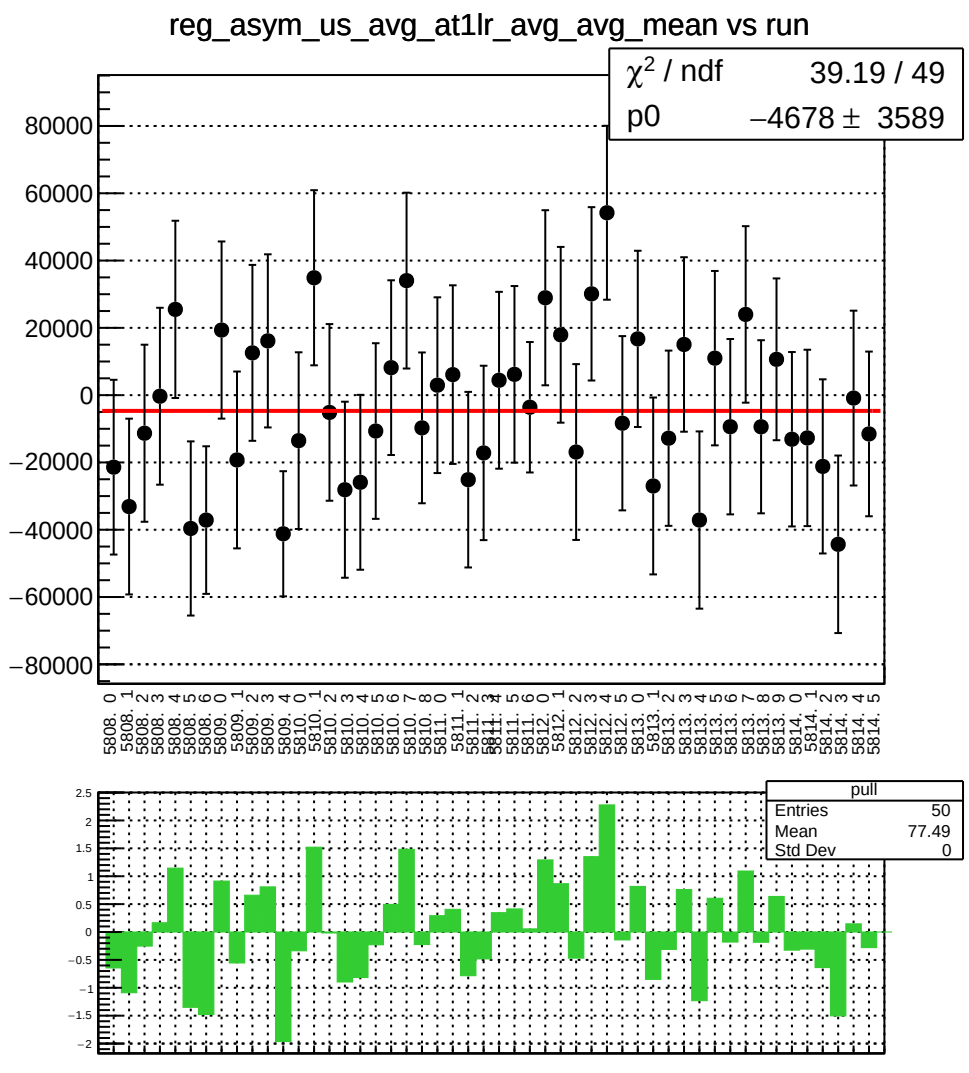

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.1 / 49
p0 −0.4911± 0.2583
pull
Entries 50
Mean 216.2
Std Dev 0
pull1D
Entries 50
Mean 0.0122
Std Dev 1.059

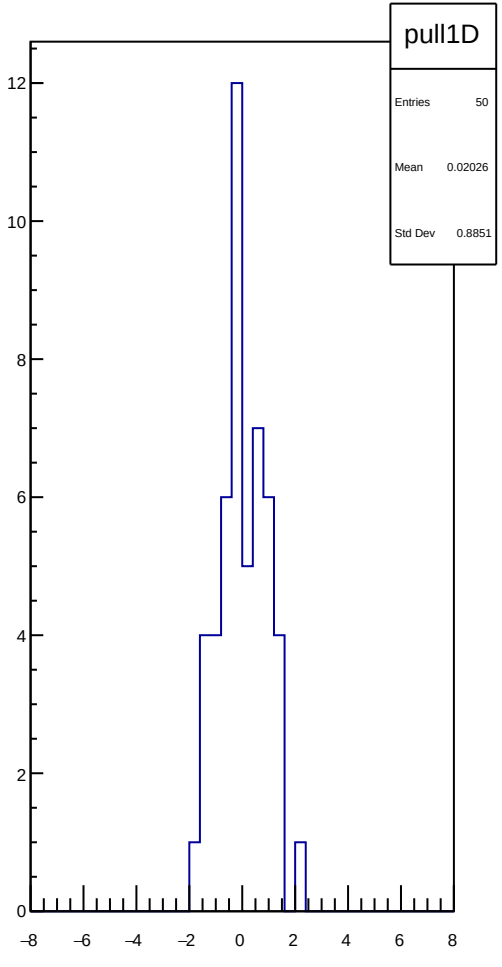

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.05e+04 / 49
p0 176.3 ± 0.1827
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

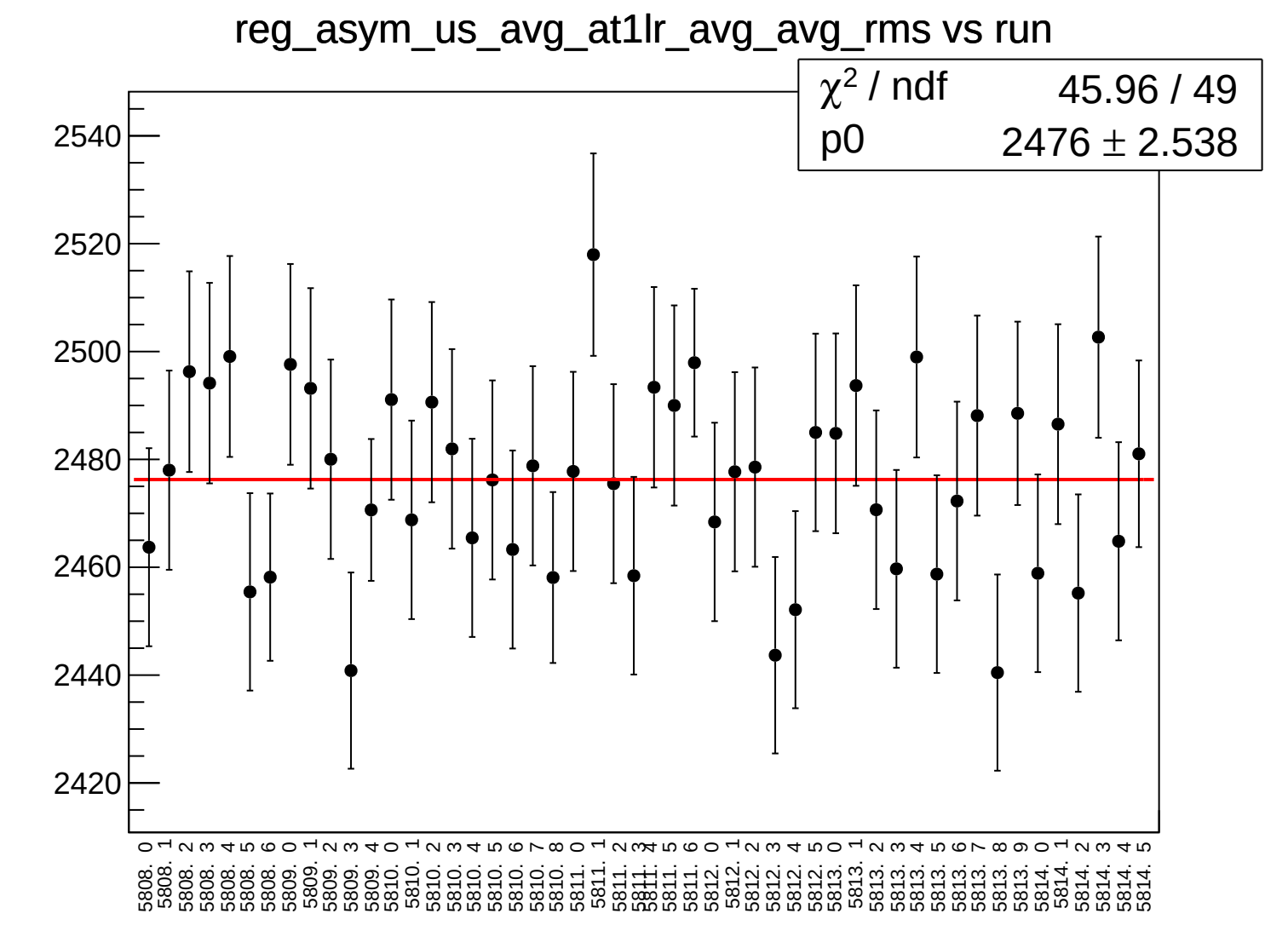

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.36 / 49
p0 −2.627e−14 ± 2.482e−13
pull
Entries 50
Mean 30.21
Std Dev 15.75

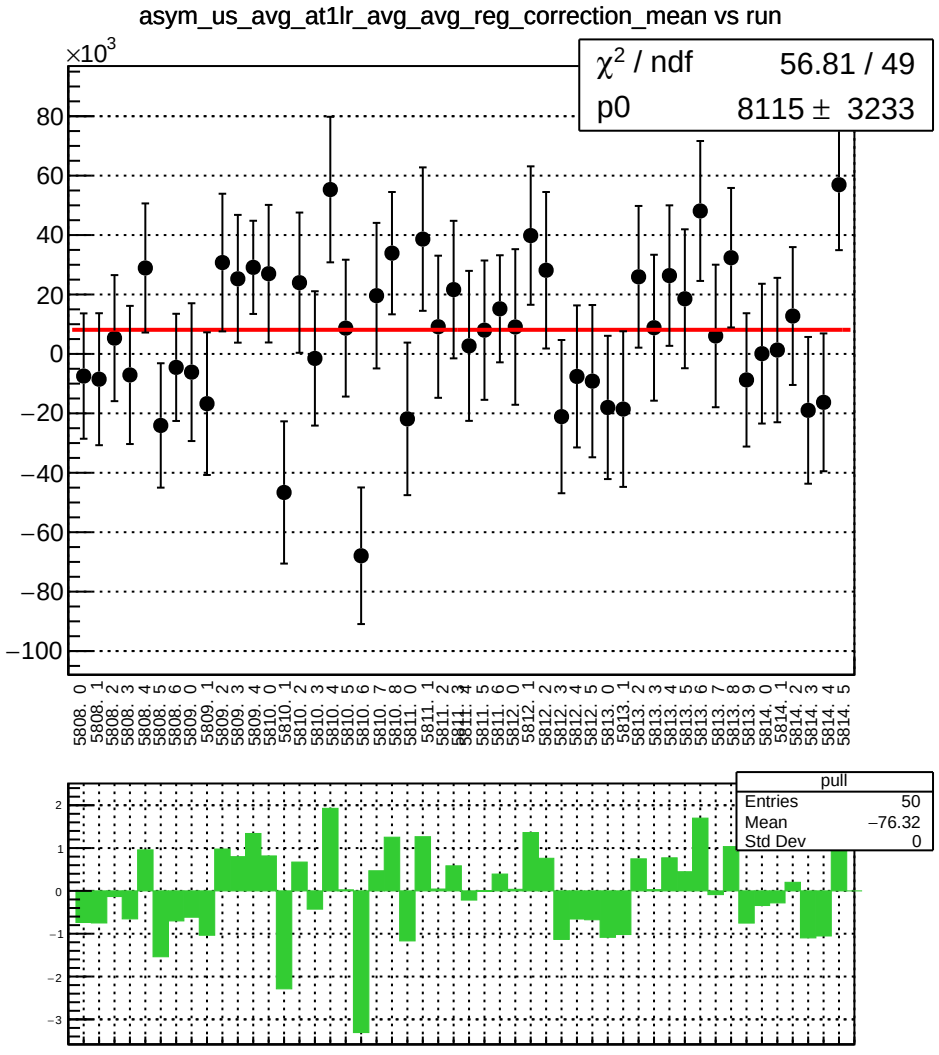

pull1D
Entries 50
Mean −0.117
Std Dev 0.9967

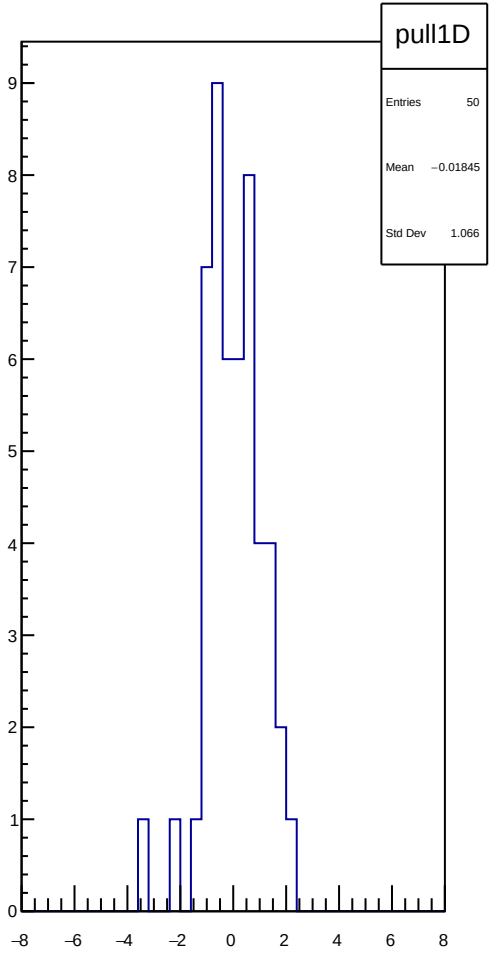

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.966e+05 / 49
p0 1.421e−10 ± 1.755e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

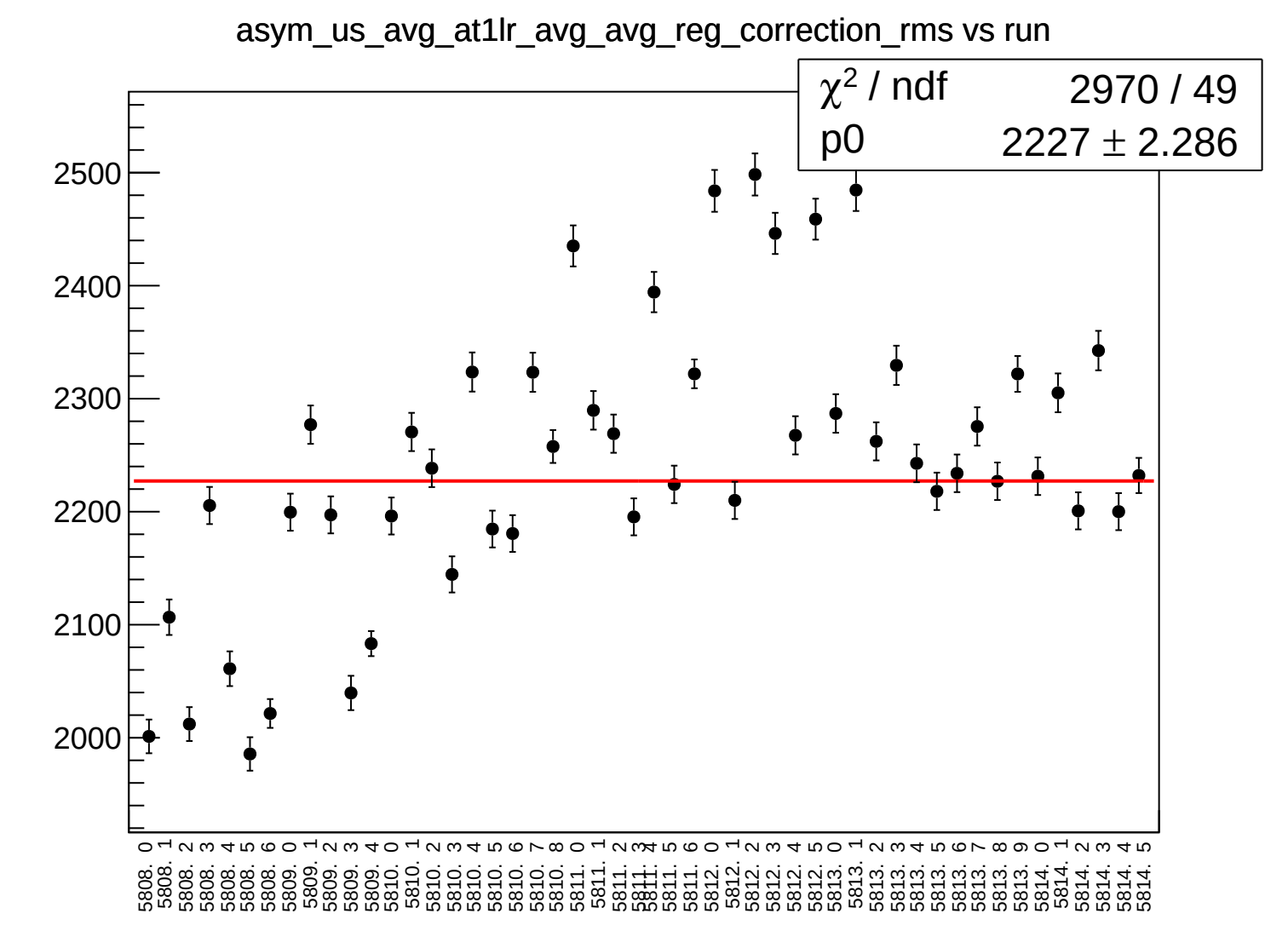

reg_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 39.19 / 49
p0 −4678 ± 3589
pull
Entries 50
Mean 77.49
Std Dev 0

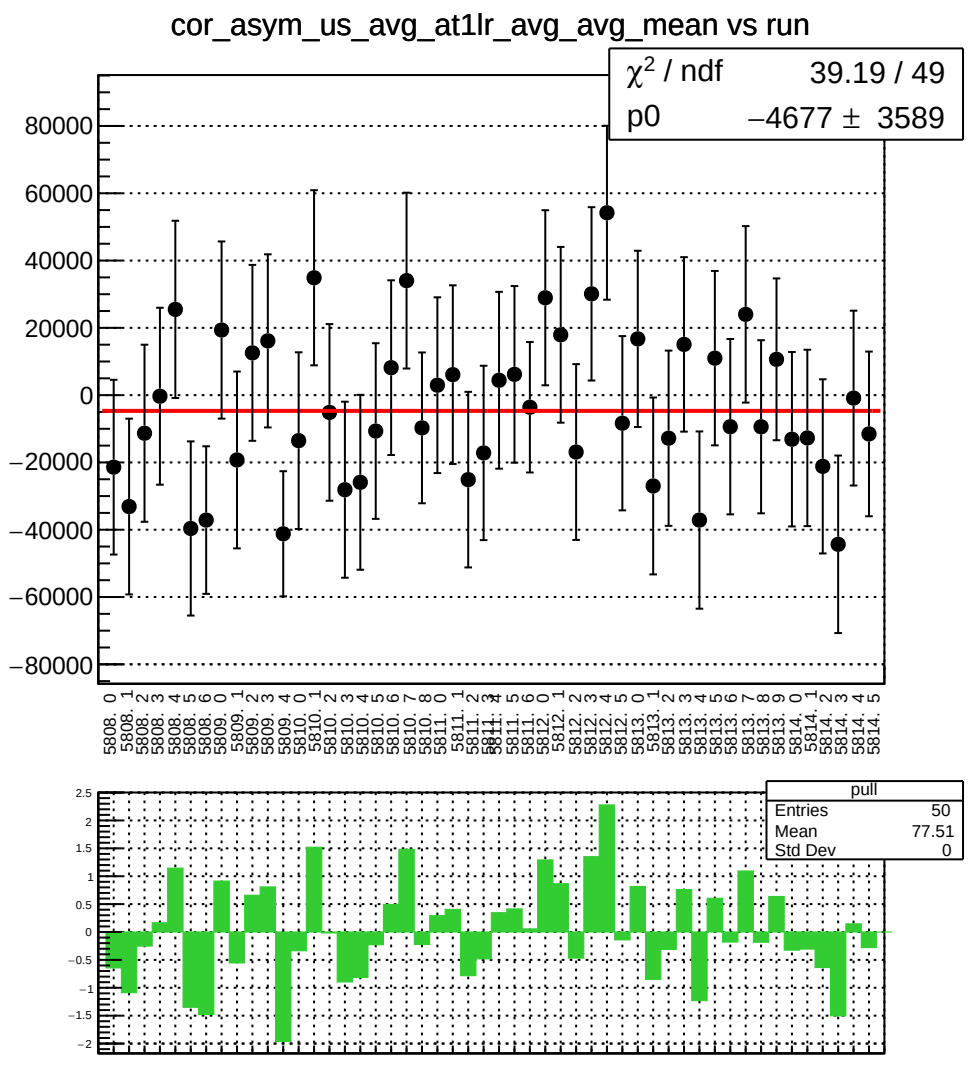

pull1D
Entries 50
Mean 0.02026
Std Dev 0.8851

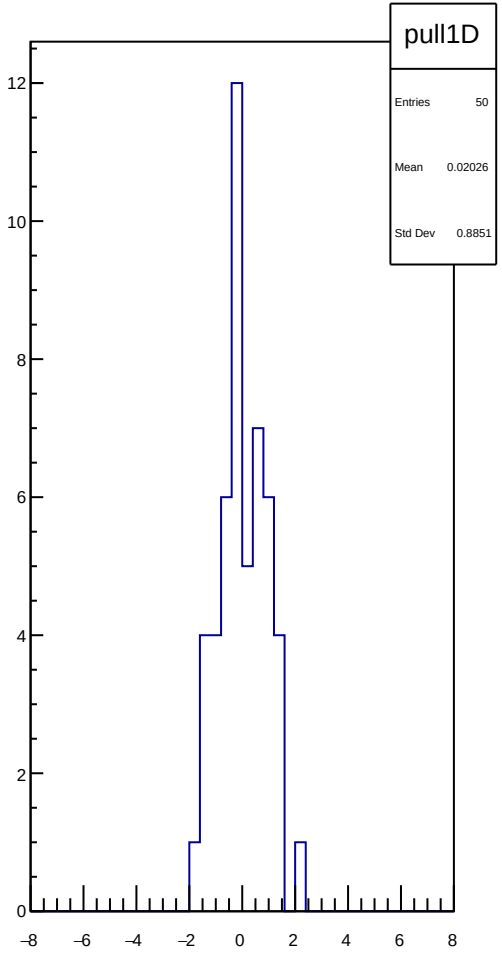

reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 45.96 / 49
p0 2476 ± 2.538
2540
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

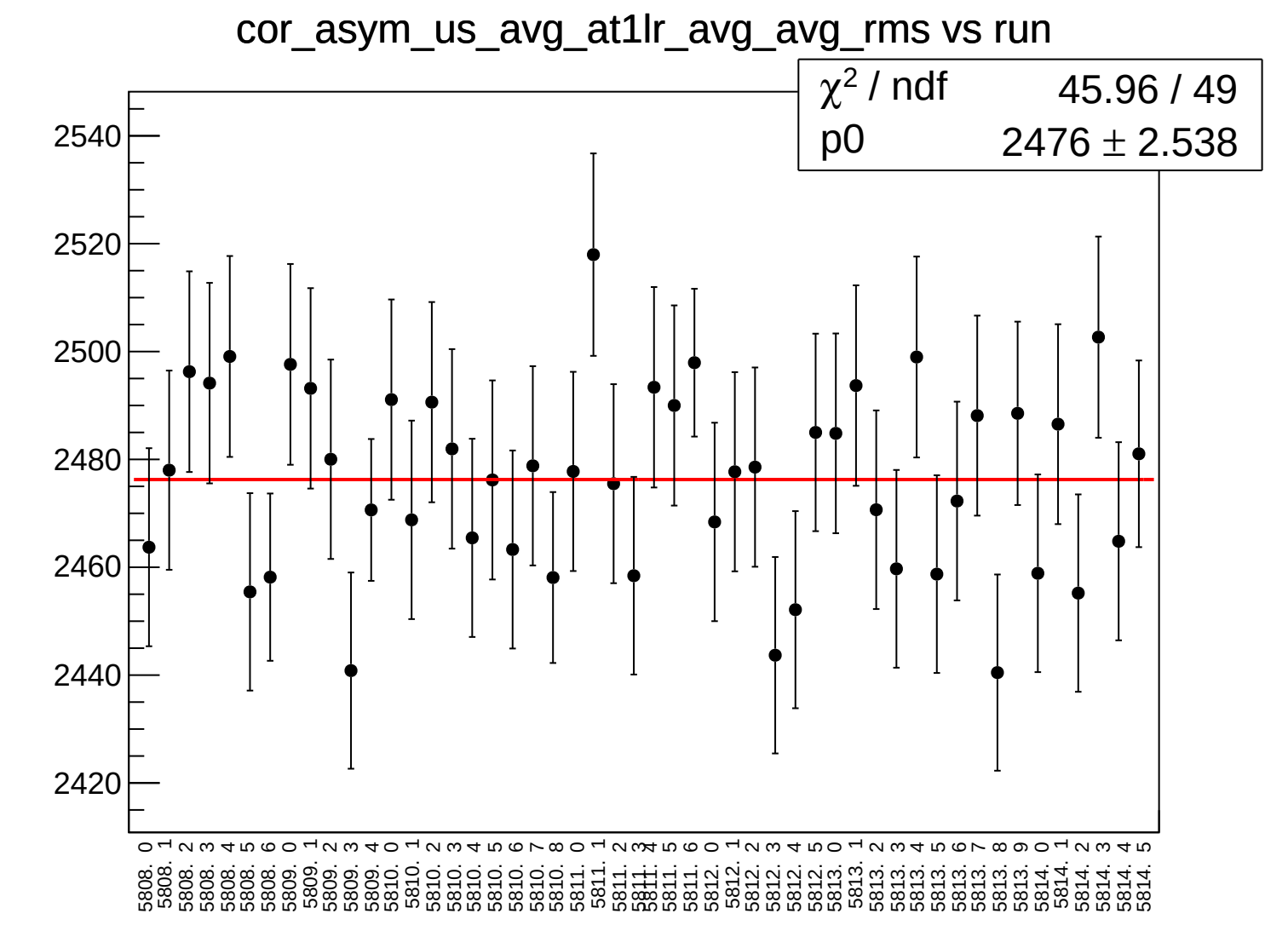

asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 56.81 / 49
p0 8115 ± 3233
pull
Entries 50
Mean −76.32
Std Dev 0

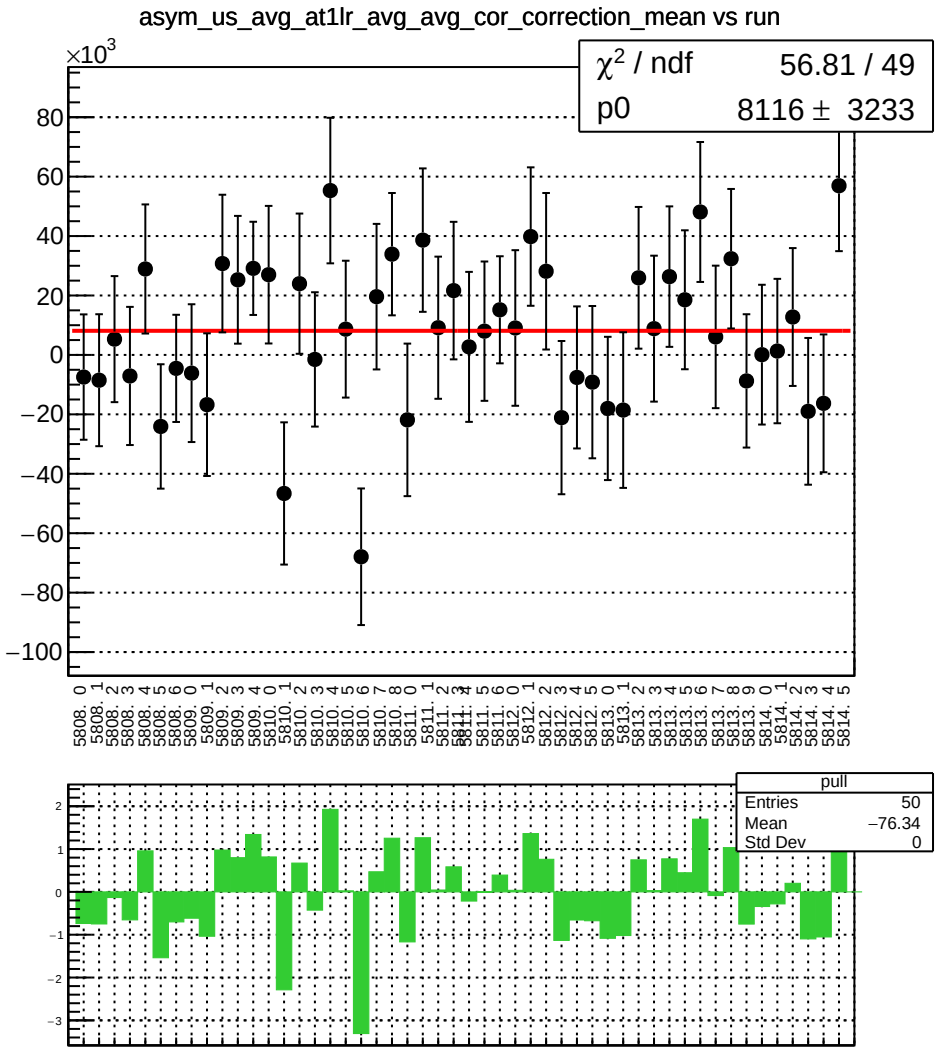

pull1D
Entries 50
Mean −0.01845
Std Dev 1.066

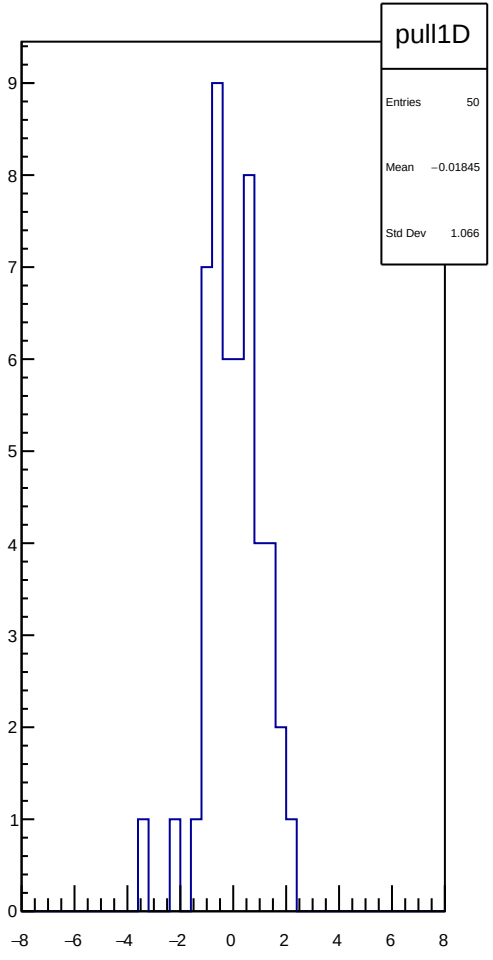

asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2970 / 49
p0 2227 ± 2.286
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

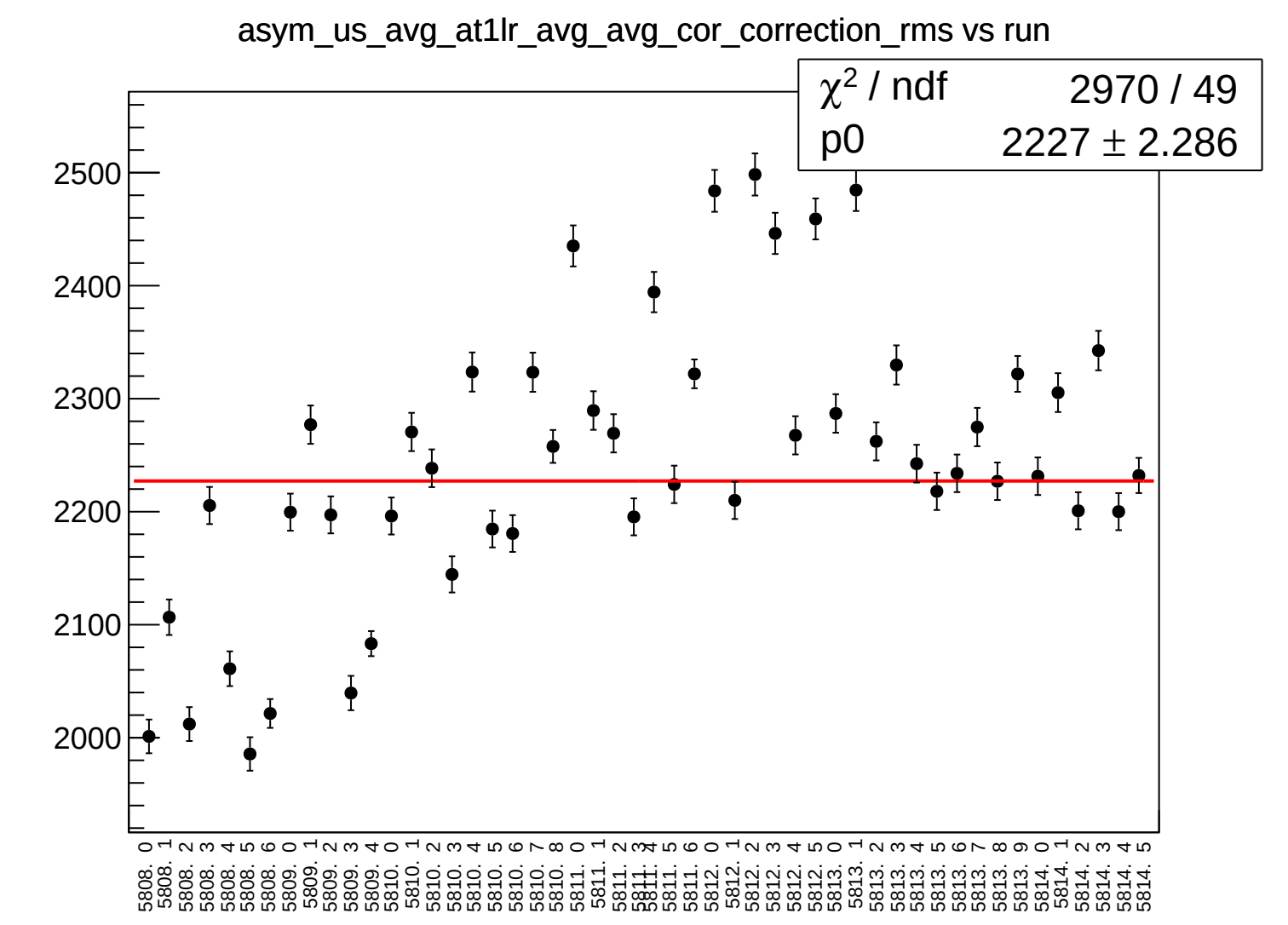

cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 39.19 / 49
p0 −4677 ± 3589
pull
Entries 50
Mean 77.51
Std Dev 0

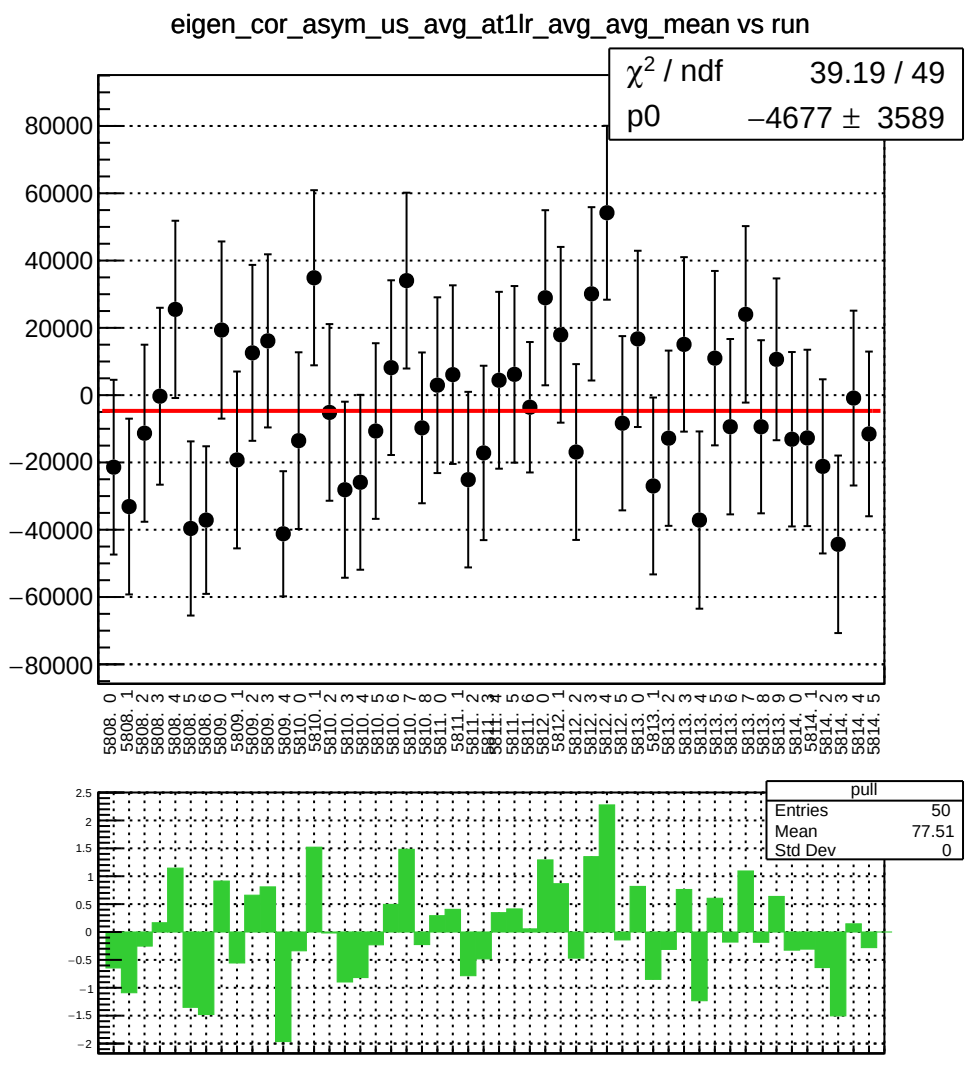

pull1D
Entries 50
Mean 0.02026
Std Dev 0.8851

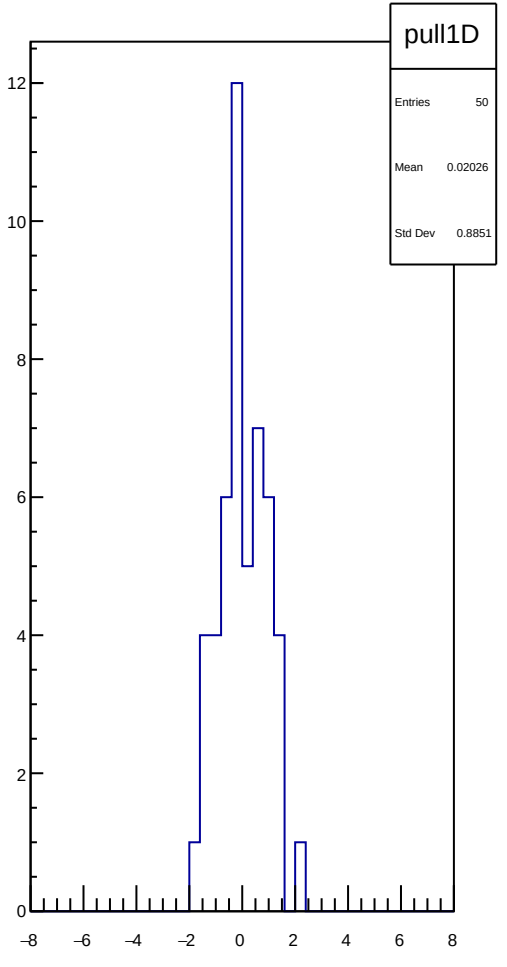

cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 45.96 / 49
p0 2476 ± 2.538
2540
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

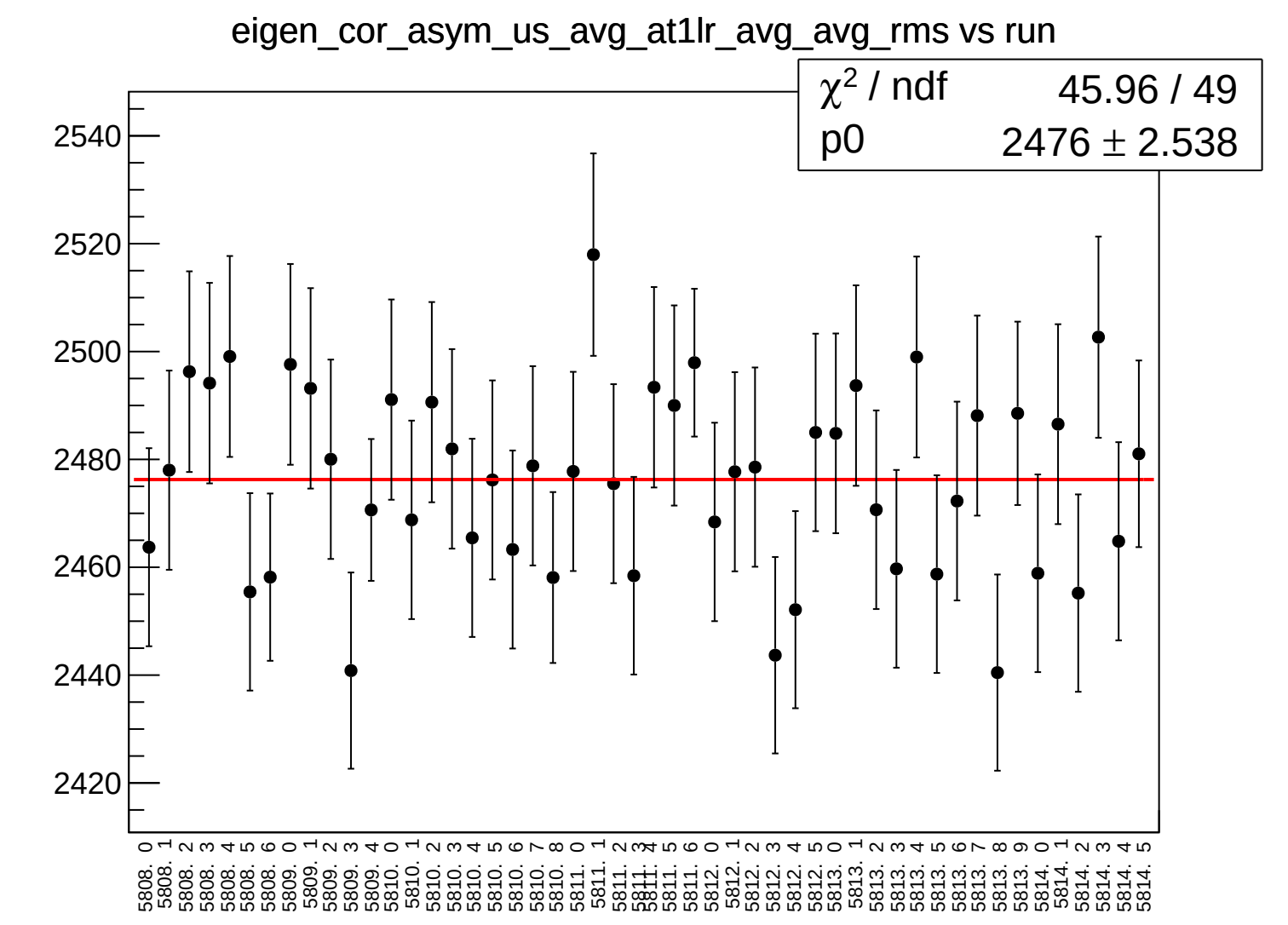

asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 56.81 / 49
p0 8116 ± 3233
pull
Entries 50
Mean −76.34
Std Dev 0

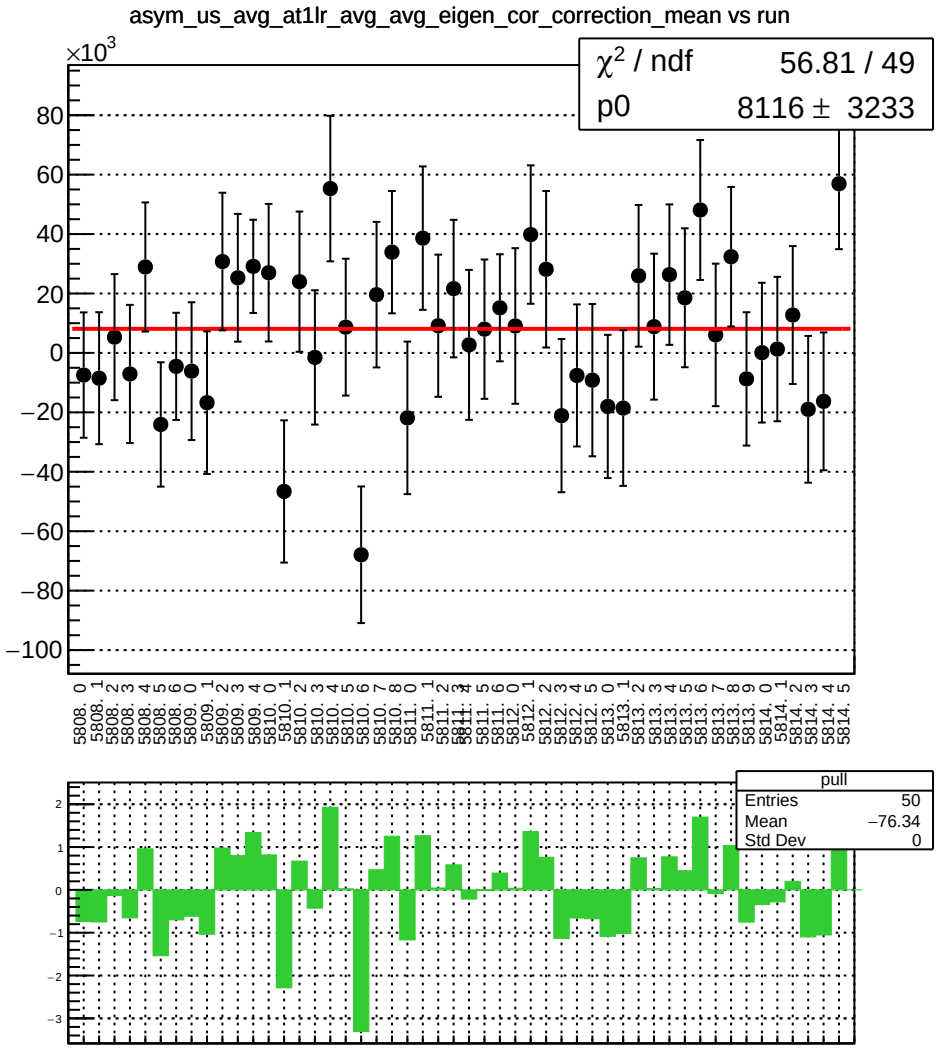

pull1D
Entries 50
Mean −0.01845
Std Dev 1.066

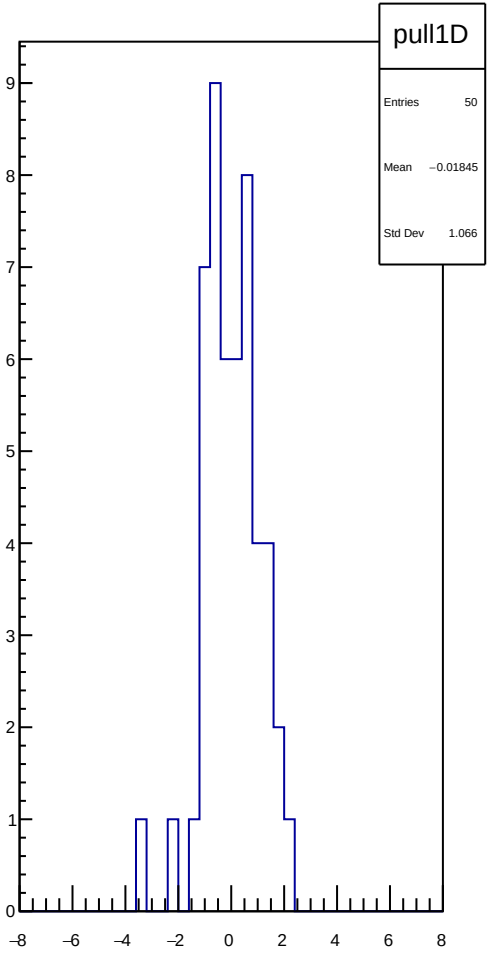

asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2970 / 49
p0 2227 ± 2.286
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

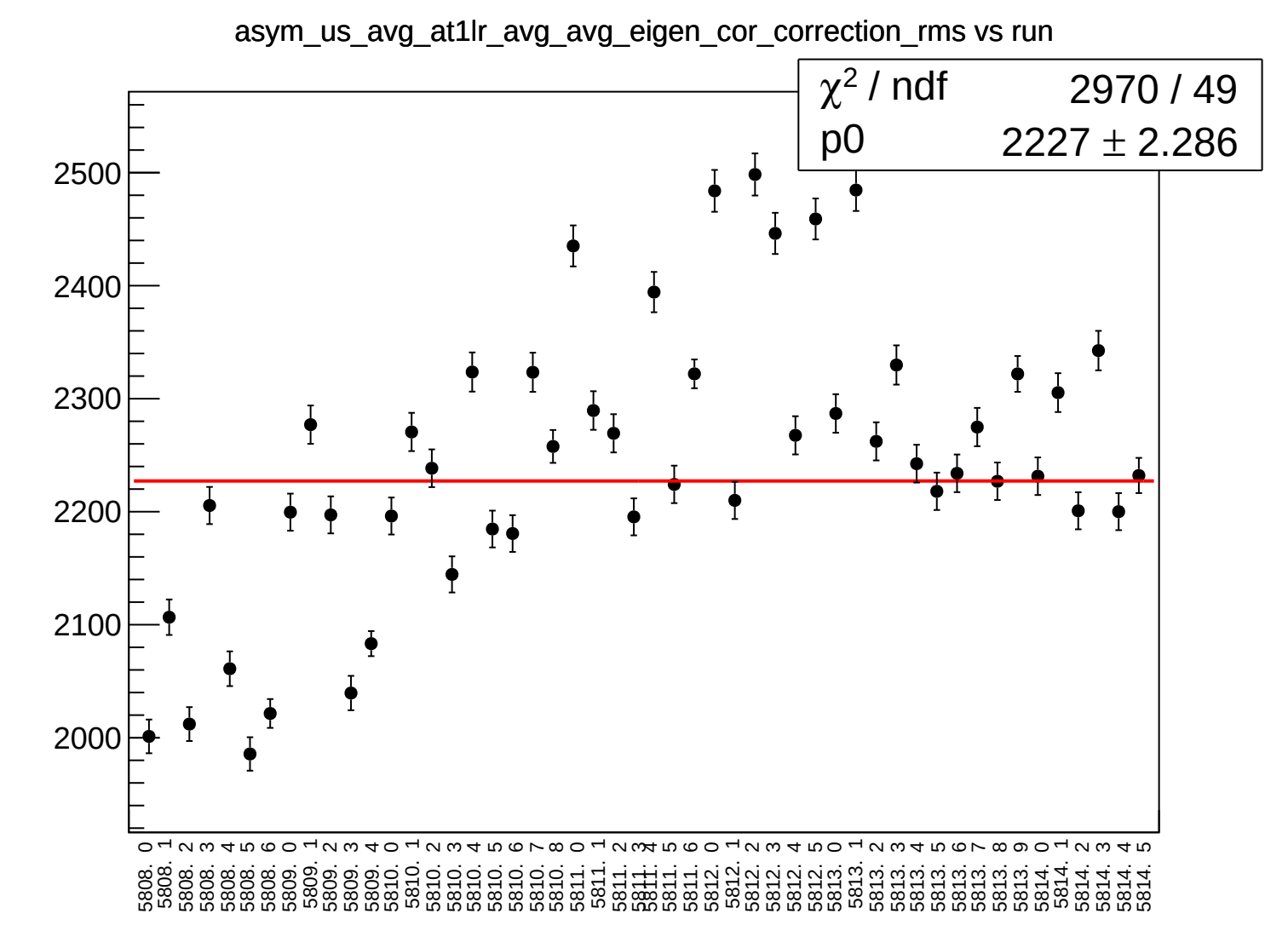

eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 39.19 / 49
p0 −4677 ± 3589
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 77.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

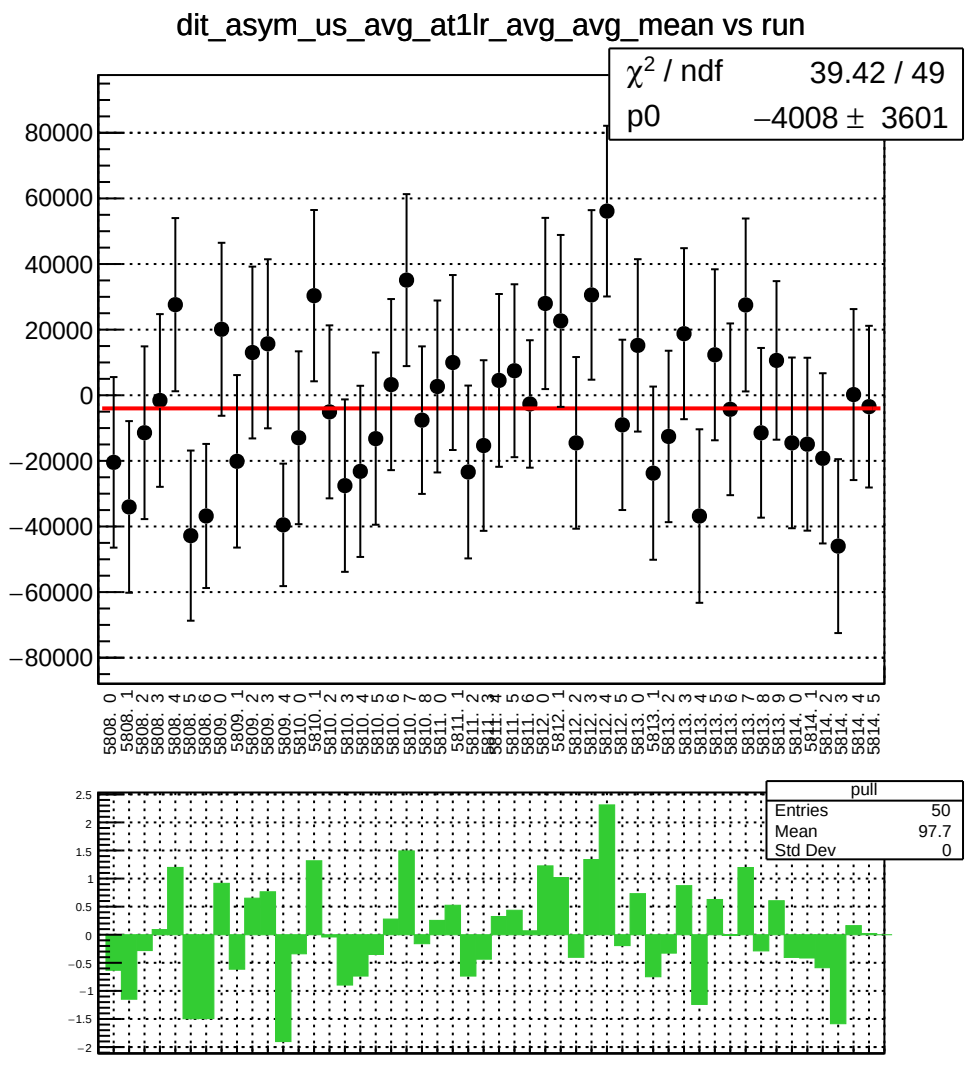

pull1D
Entries 50
Mean 0.02026
Std Dev 0.8851
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

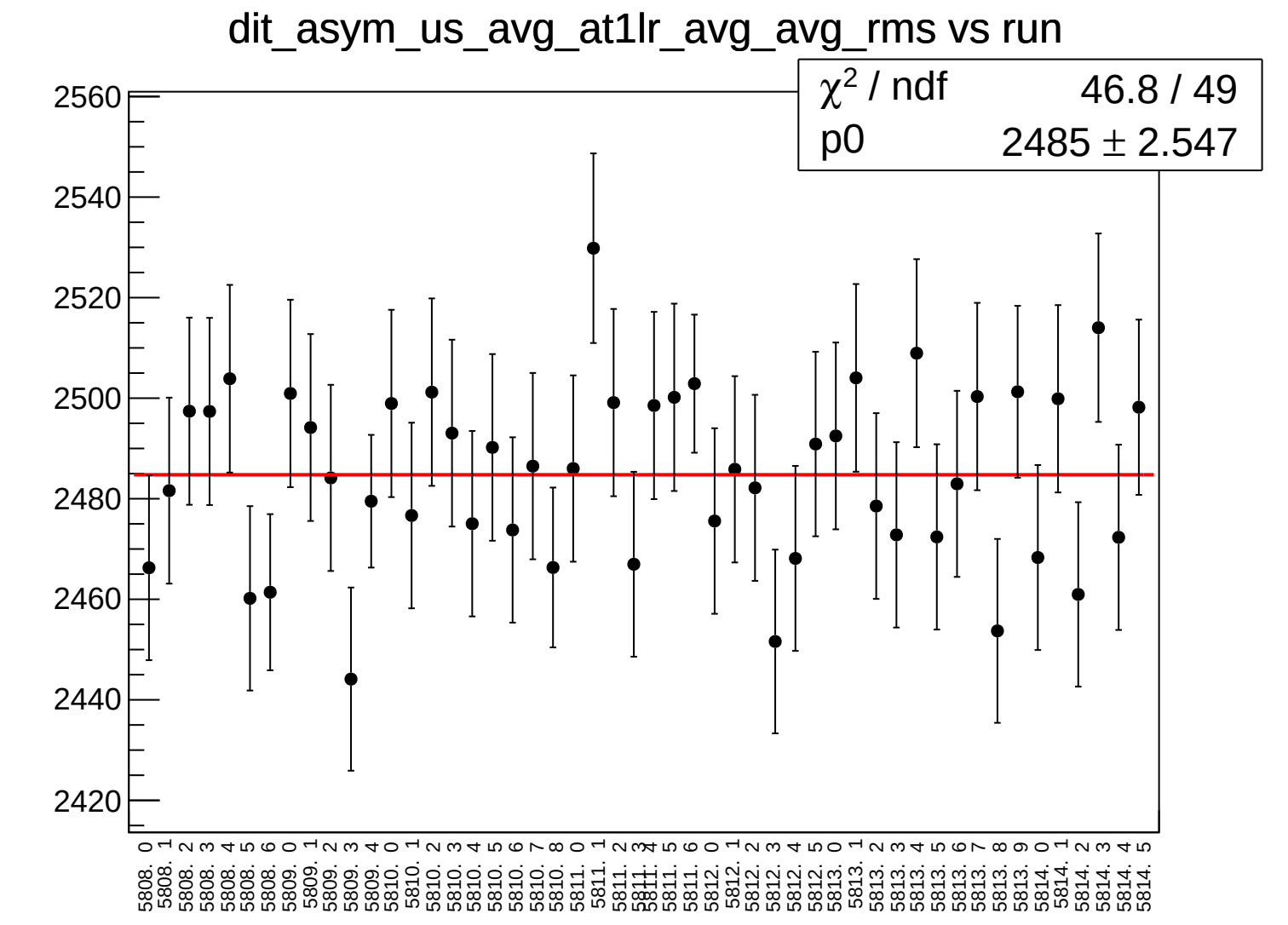

eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 45.96 / 49
p0 2476 ± 2.538
2540
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

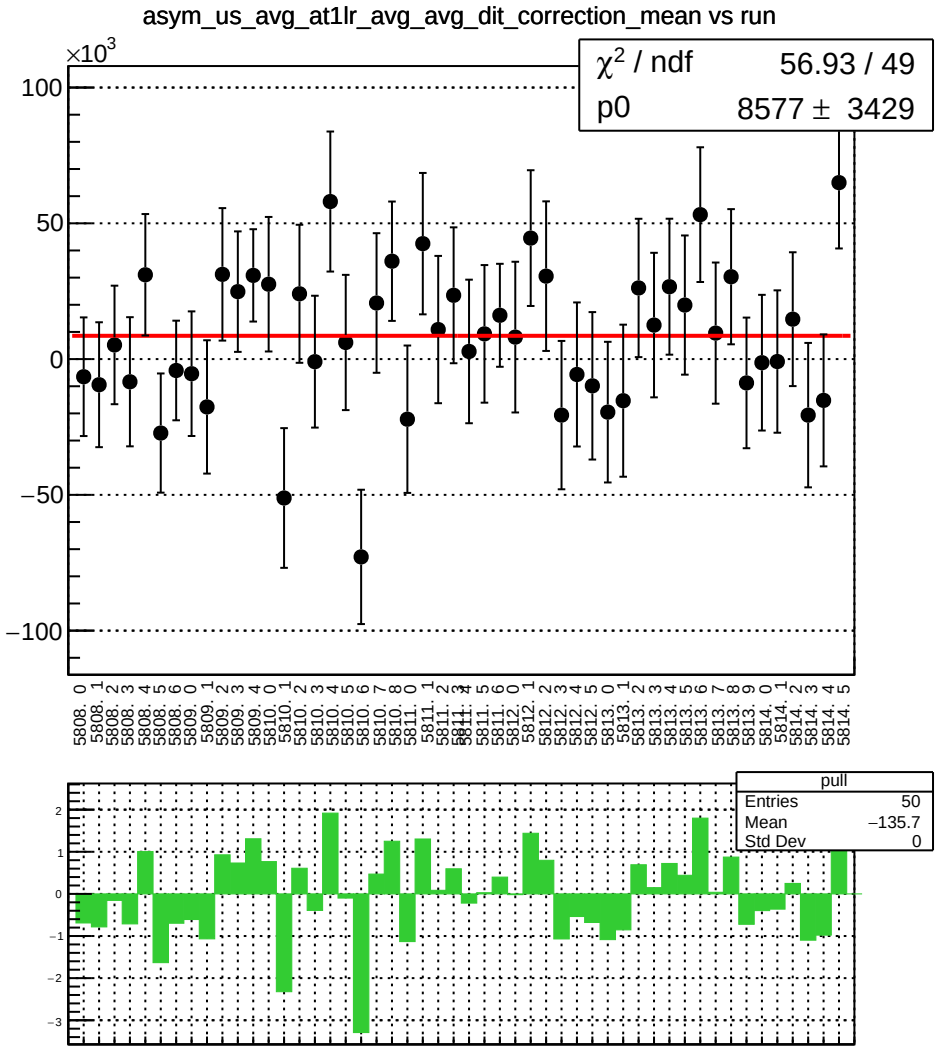

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 56.81 / 49
p0 8116 ± 3233
pull
Entries 50
Mean −76.34
Std Dev 0

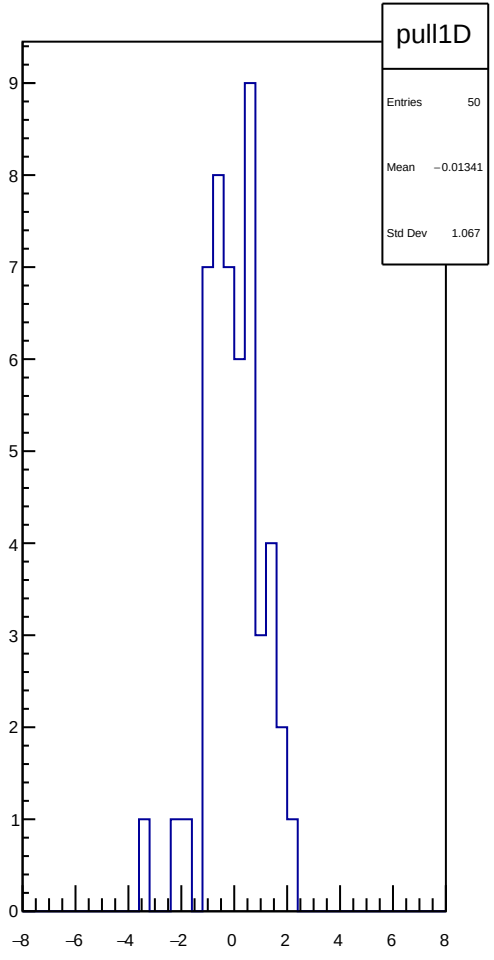

pull1D
Entries 50
Mean −0.01845
Std Dev 1.066

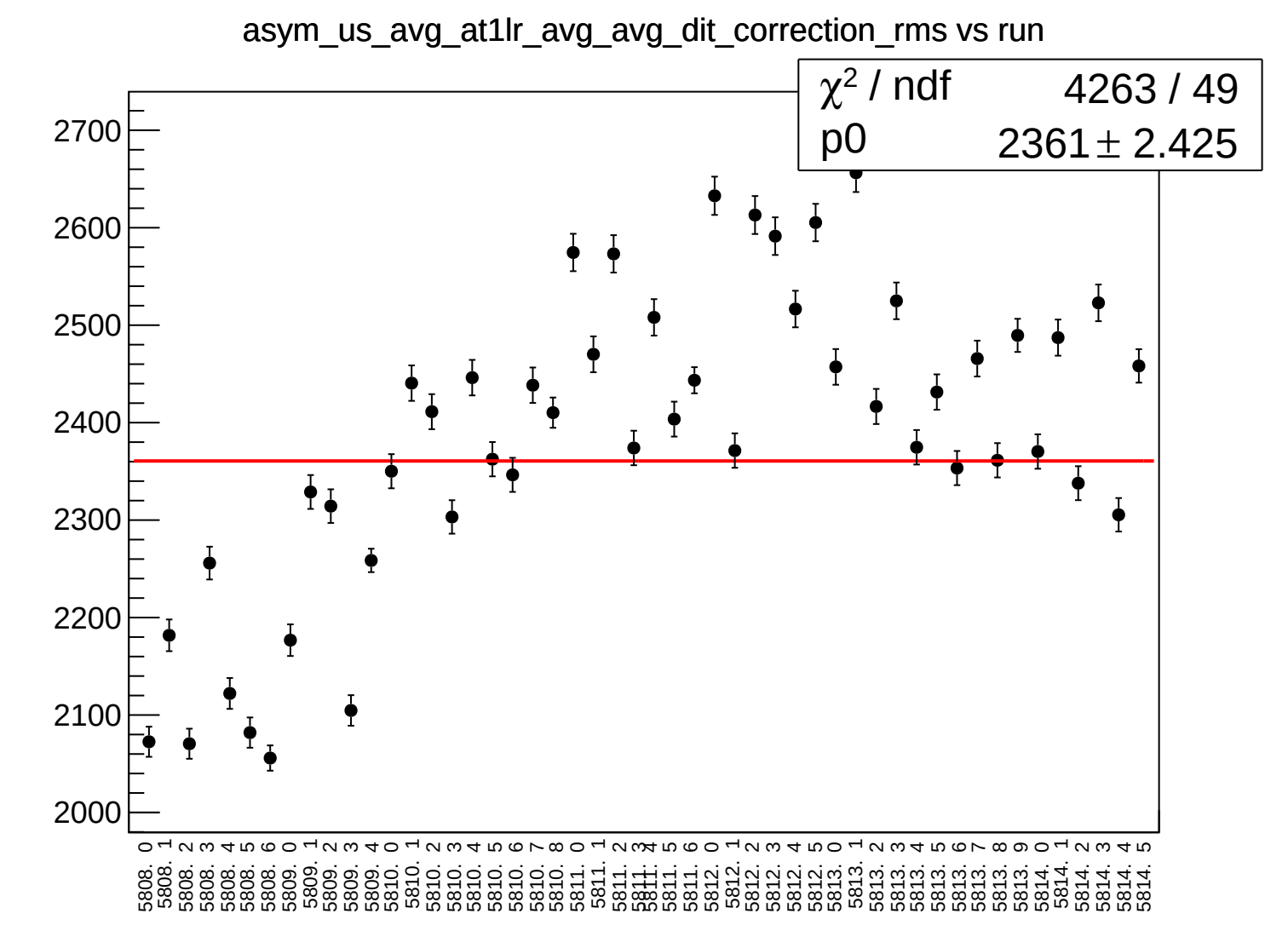

asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2970 / 49
p0 2227 ± 2.286
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

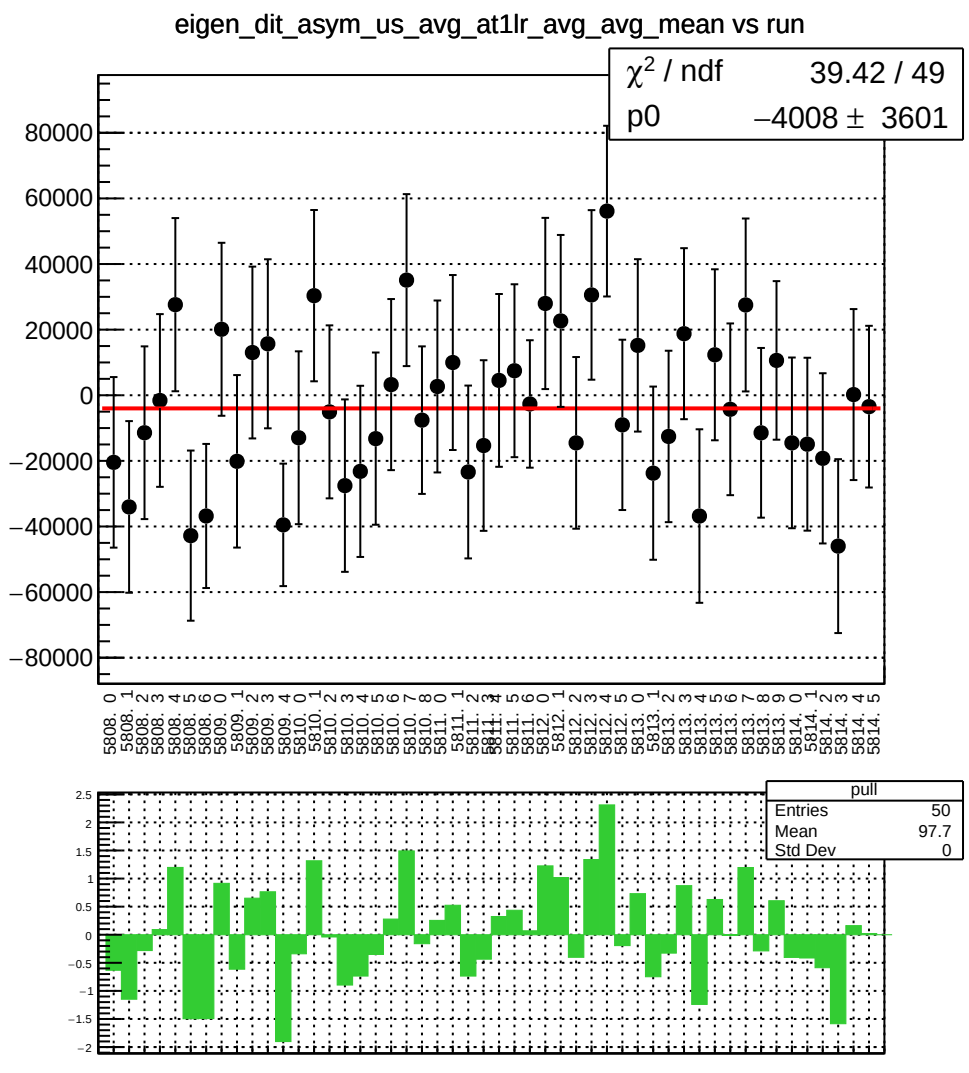

dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 39.42 / 49
p0 −4008 ± 3601
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 97.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0194
Std Dev 0.8877
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

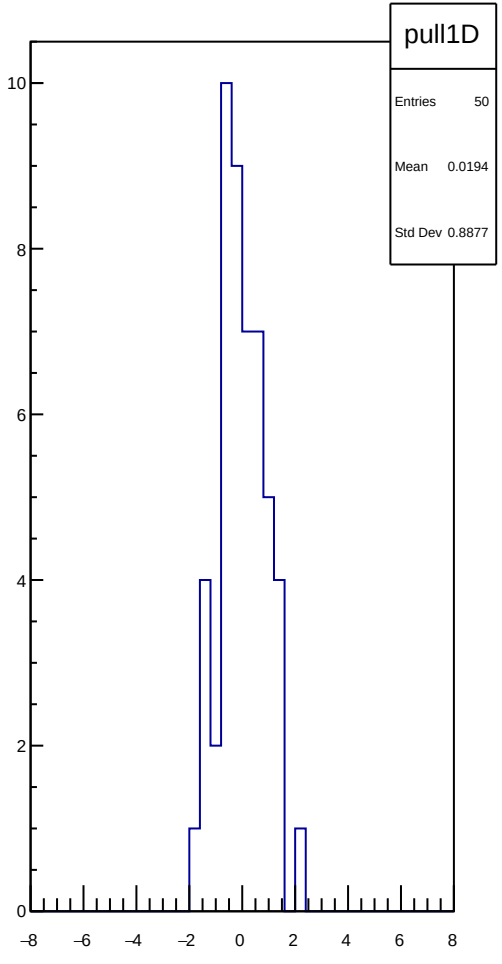

dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 46.8 / 49
p0 2485 ± 2.547
2560
2540
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

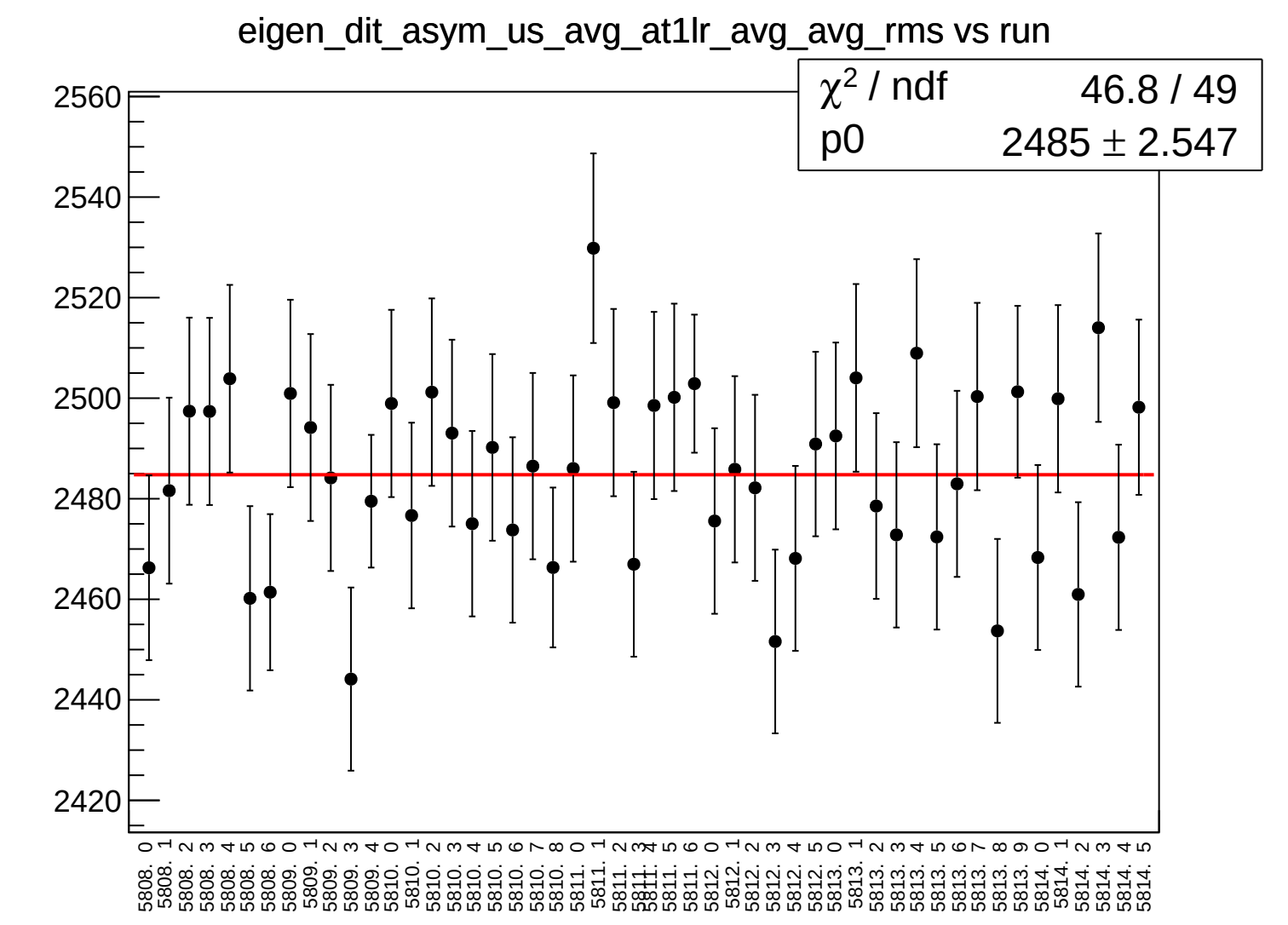

asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 56.93 / 49
p0 8577 ± 3429
100
50
0
−50
−100
pull
Entries 50
Mean −135.7
Std Dev 0
2
1
0
−1
−2
−3

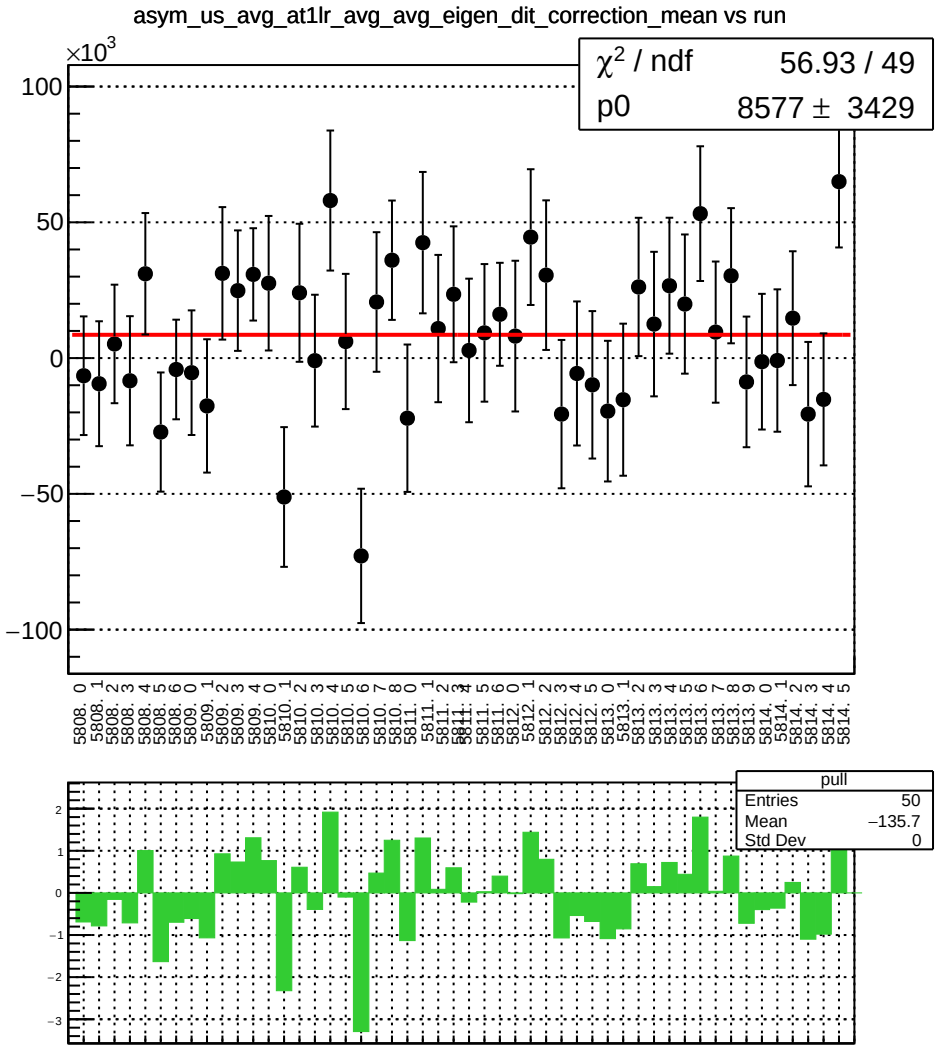

pull1D
Entries 50
Mean −0.01341
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

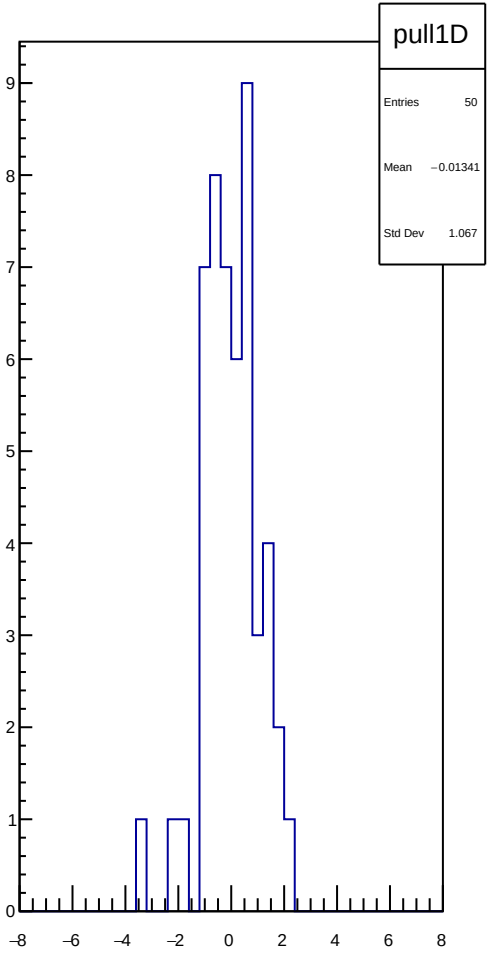

asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 4263 / 49
p0 2361 ± 2.425
2700
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

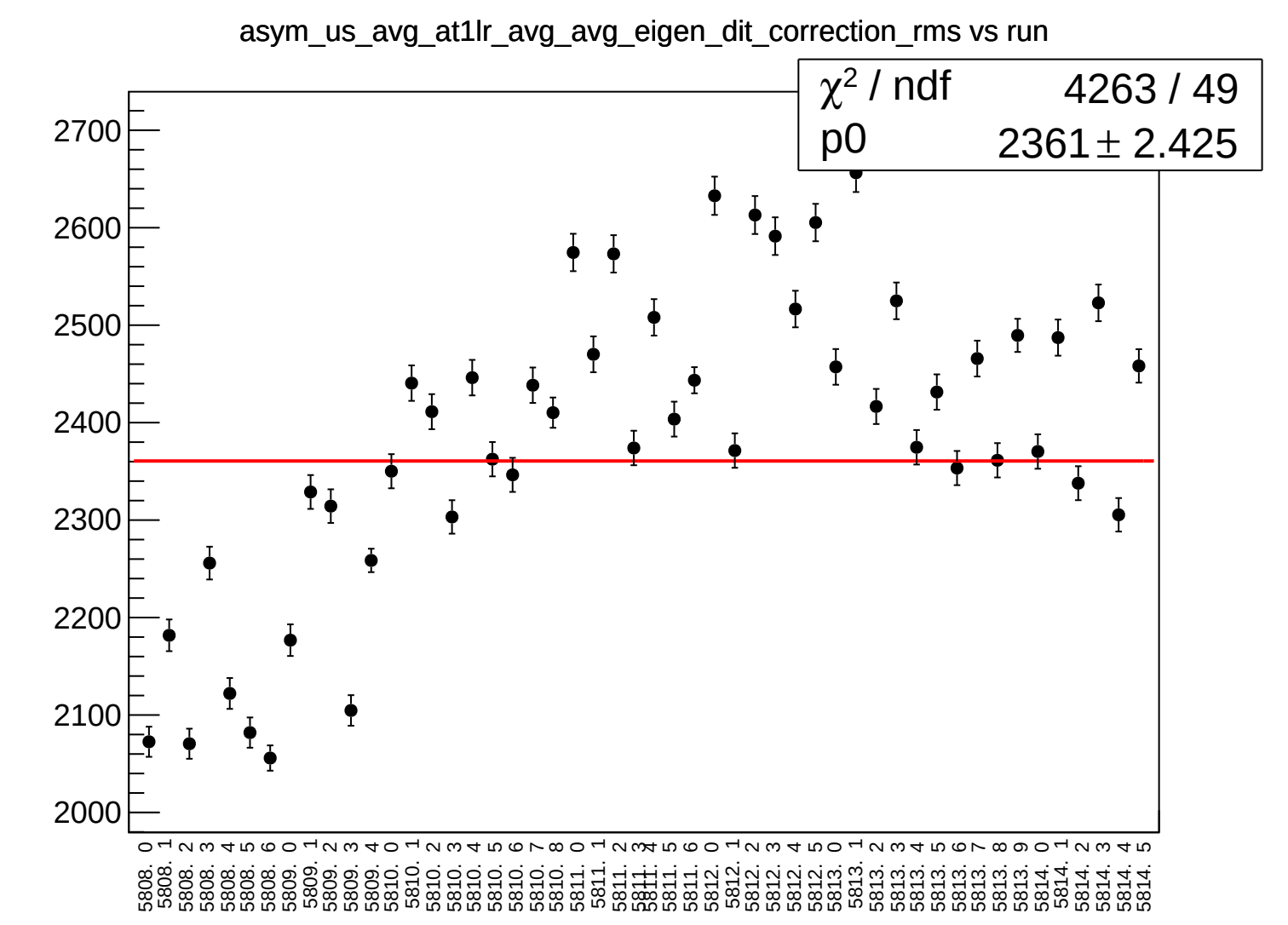

eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
χ² / ndf 39.42 / 49
p0 −4008 ± 3601
pull
Entries 50
Mean 97.7
Std Dev 0

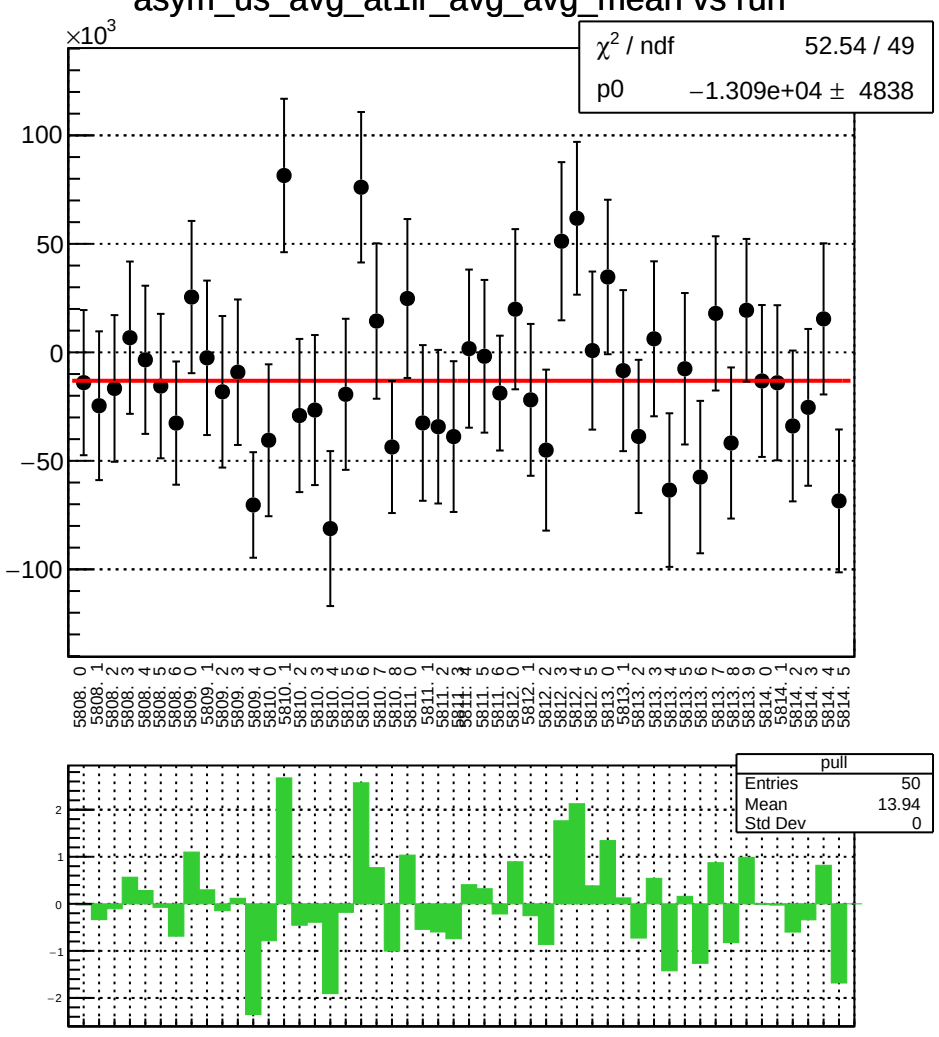

pull1D
Entries 50
Mean 0.0194
Std Dev 0.8877

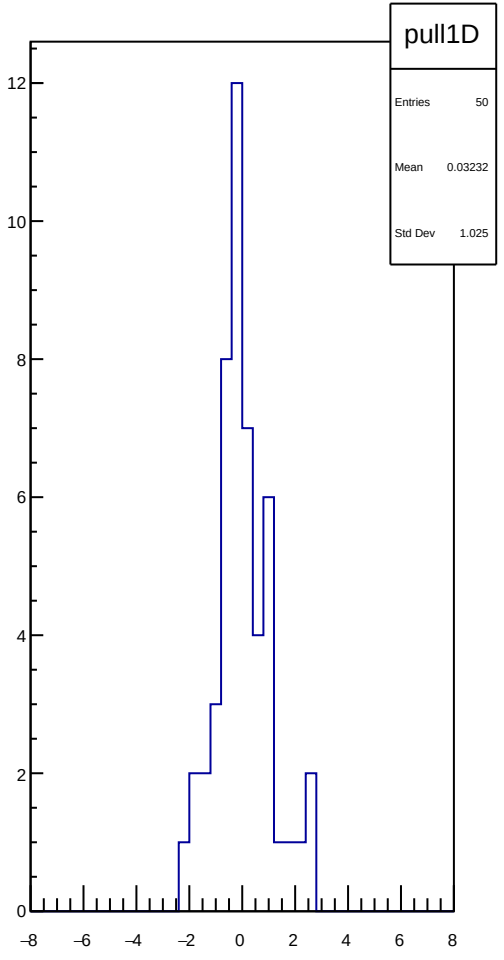

eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 46.8 / 49
p0 2485 ± 2.547
2560
2540
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

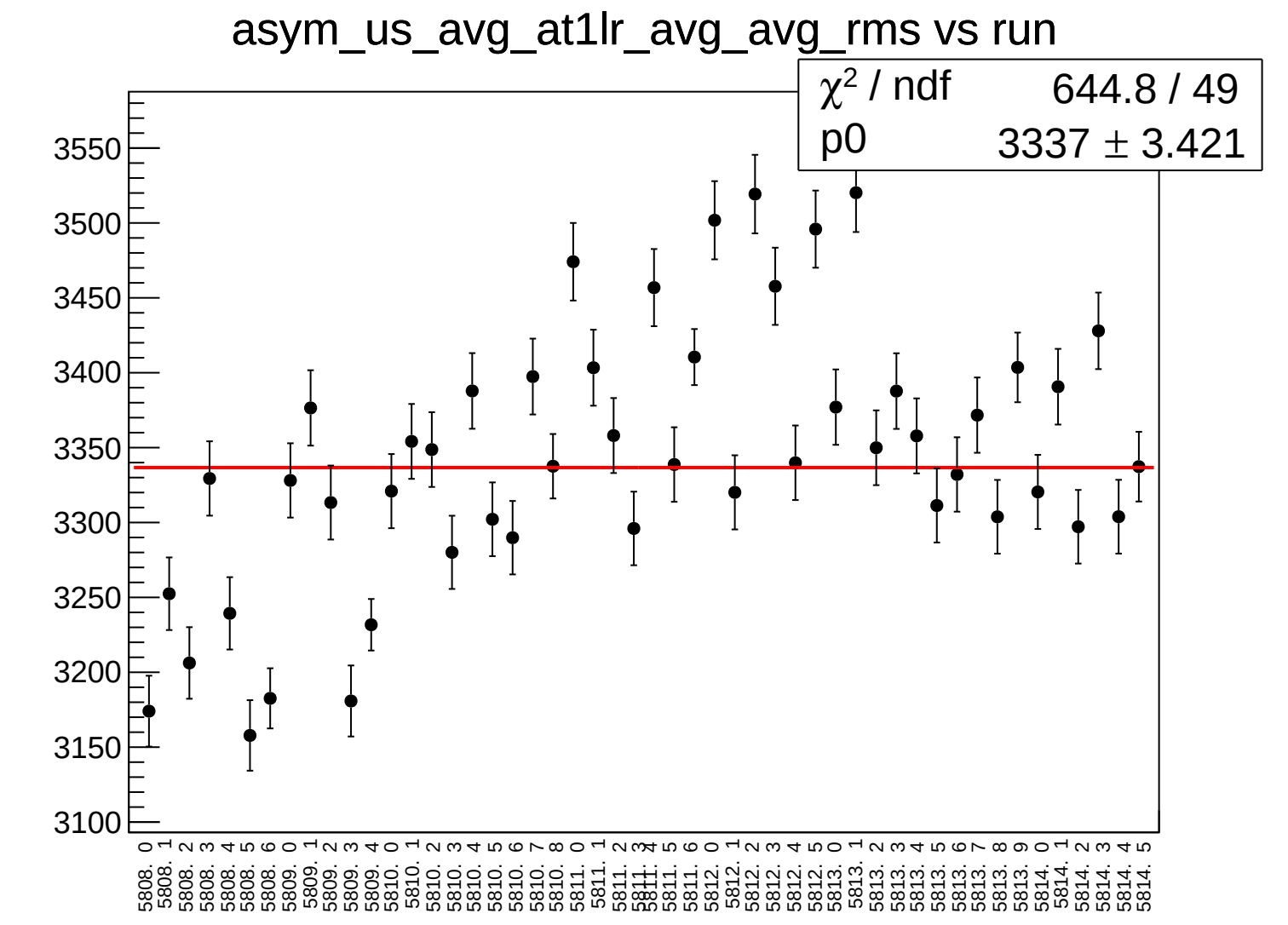

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 56.93 / 49
p0 8577 ± 3429
100
50
0
−50
−100
pull
Entries 50
Mean −135.7
Std Dev 0
2
1
0
−1
−2
−3

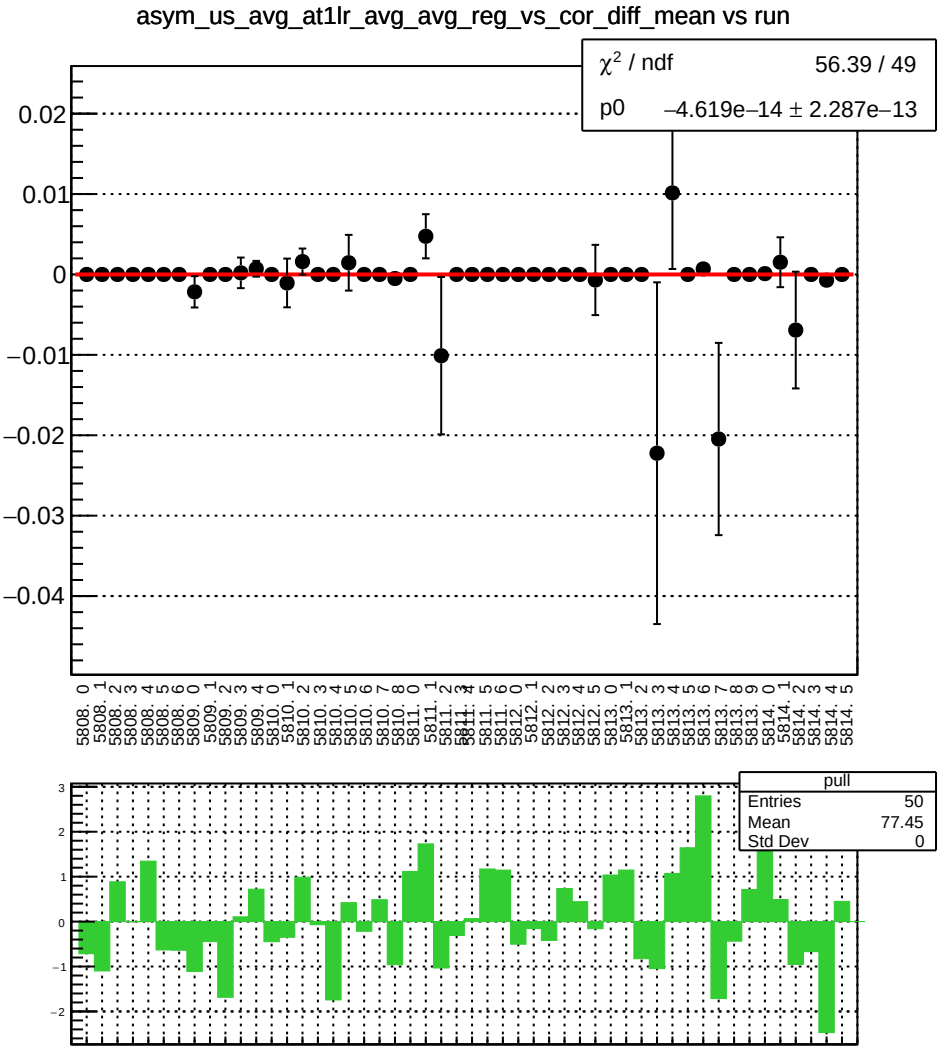

pull1D
Entries 50
Mean −0.01341
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

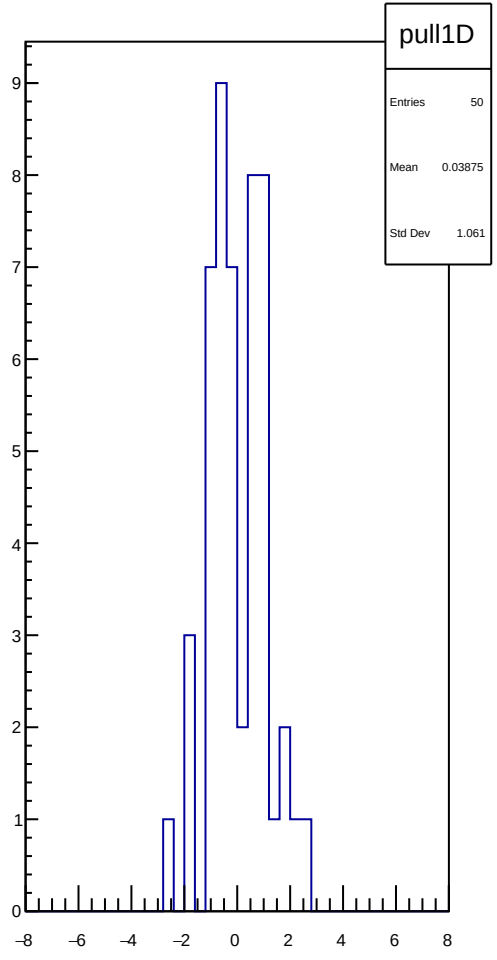

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4263 / 49
p0 2361 ± 2.425
2700
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

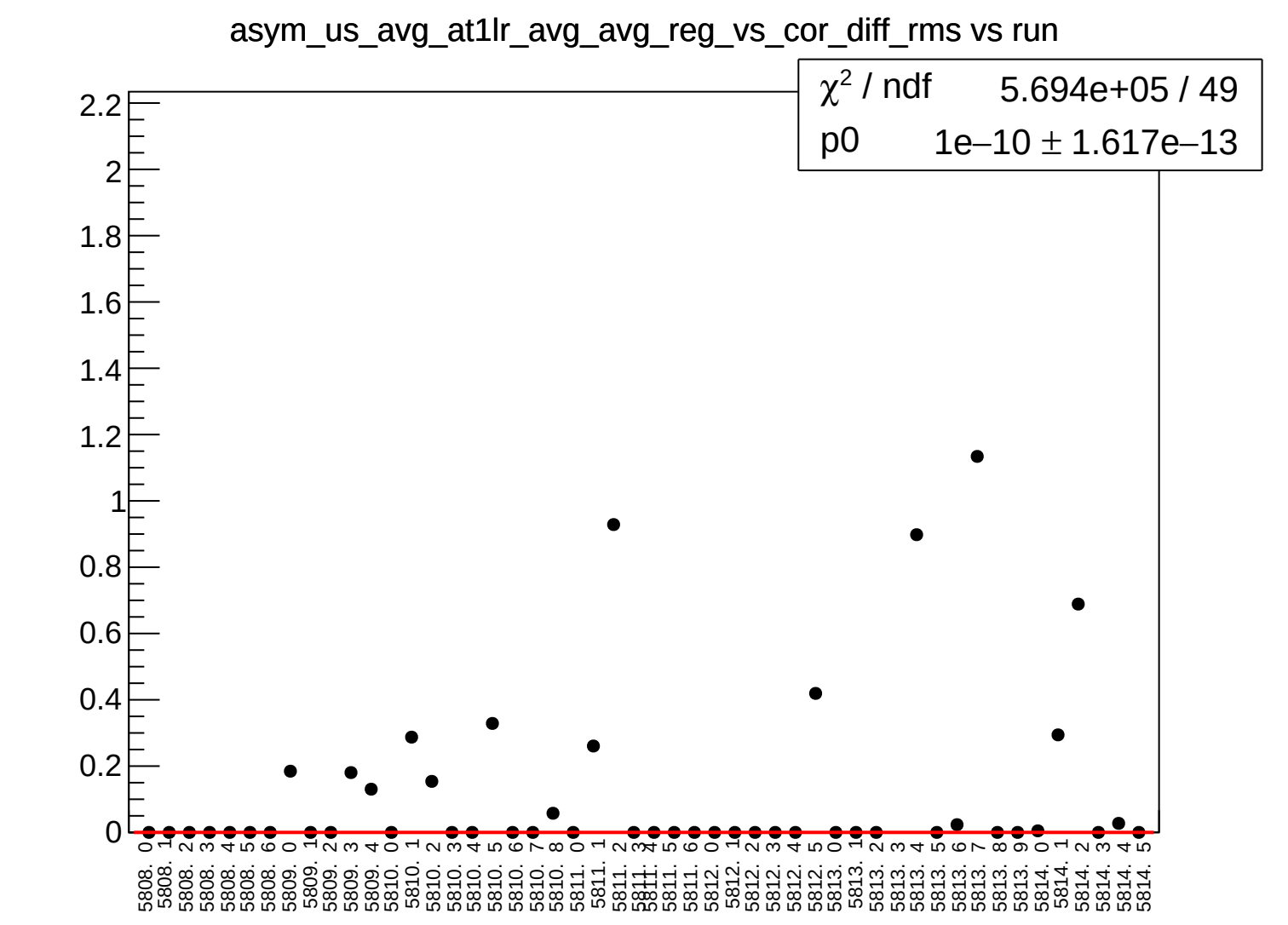

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 52.54 / 49
p0 −1.309e+04 ± 4838
100
50
0
−50
−100
pull
Entries 50
Mean 13.94
Std Dev 0
2
1
0
−1
−2

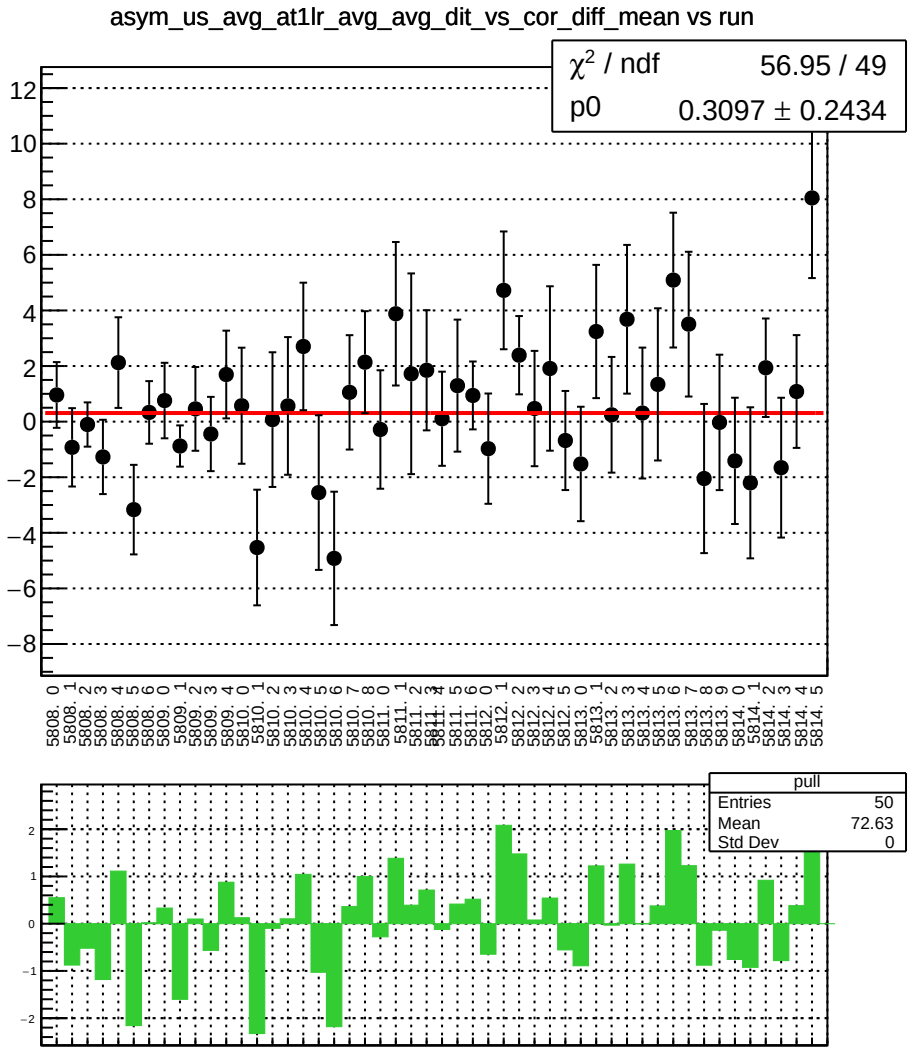

pull1D
Entries 50
Mean 0.03232
Std Dev 1.025
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

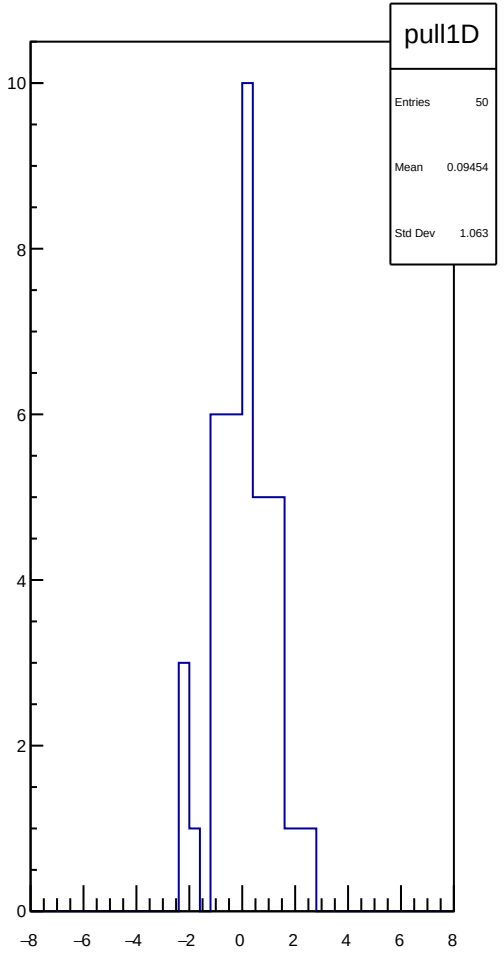

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 644.8 / 49
p0 3337 ± 3.421
3550
3500
3450
3400
3350
3300
3250
3200
3150
3100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

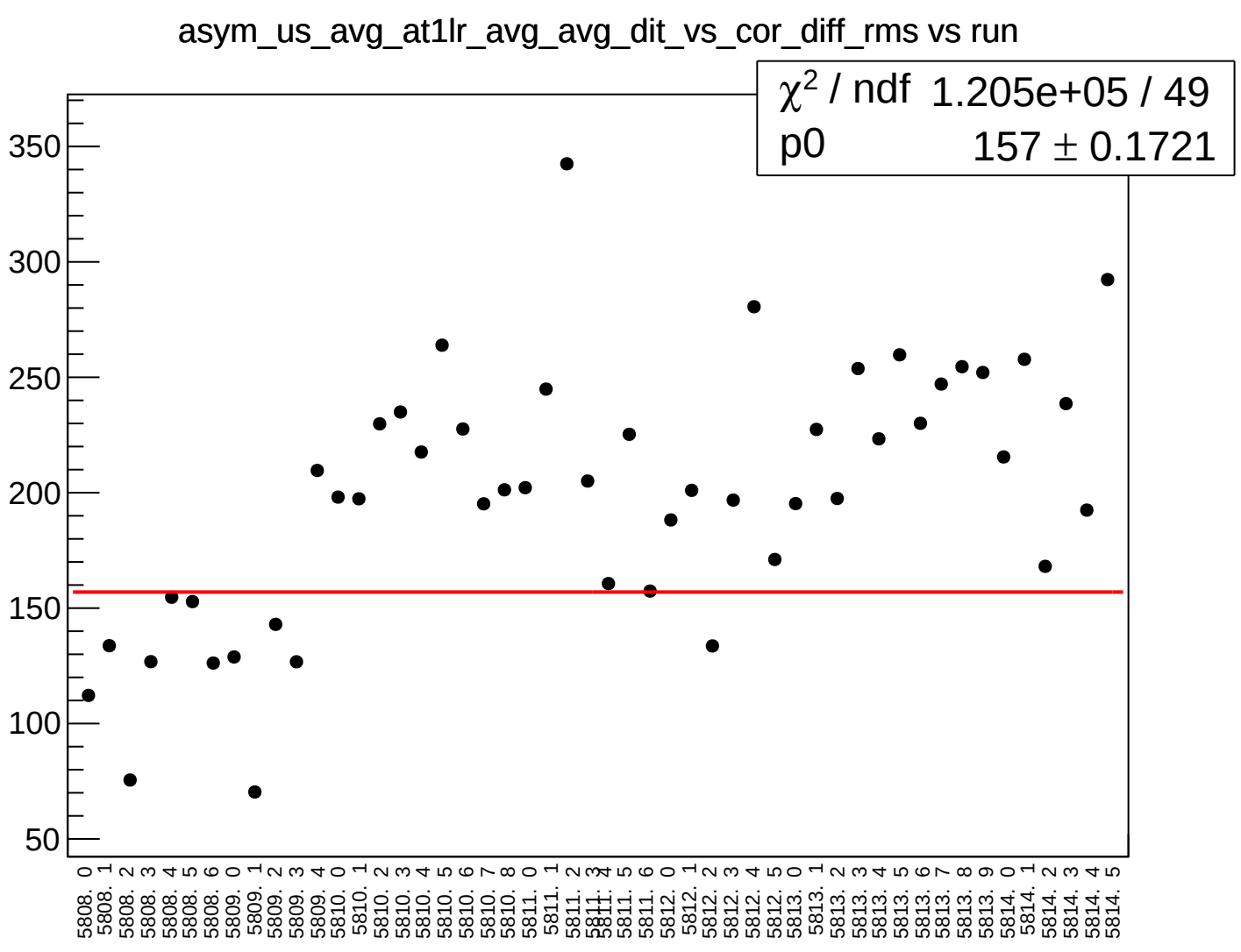

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.39 / 49
p0 −4.619e−14 ± 2.287e−13
pull
Entries 50
Mean 77.45
Std Dev 0


pull1D
Entries 50
Mean 0.03875
Std Dev 1.061

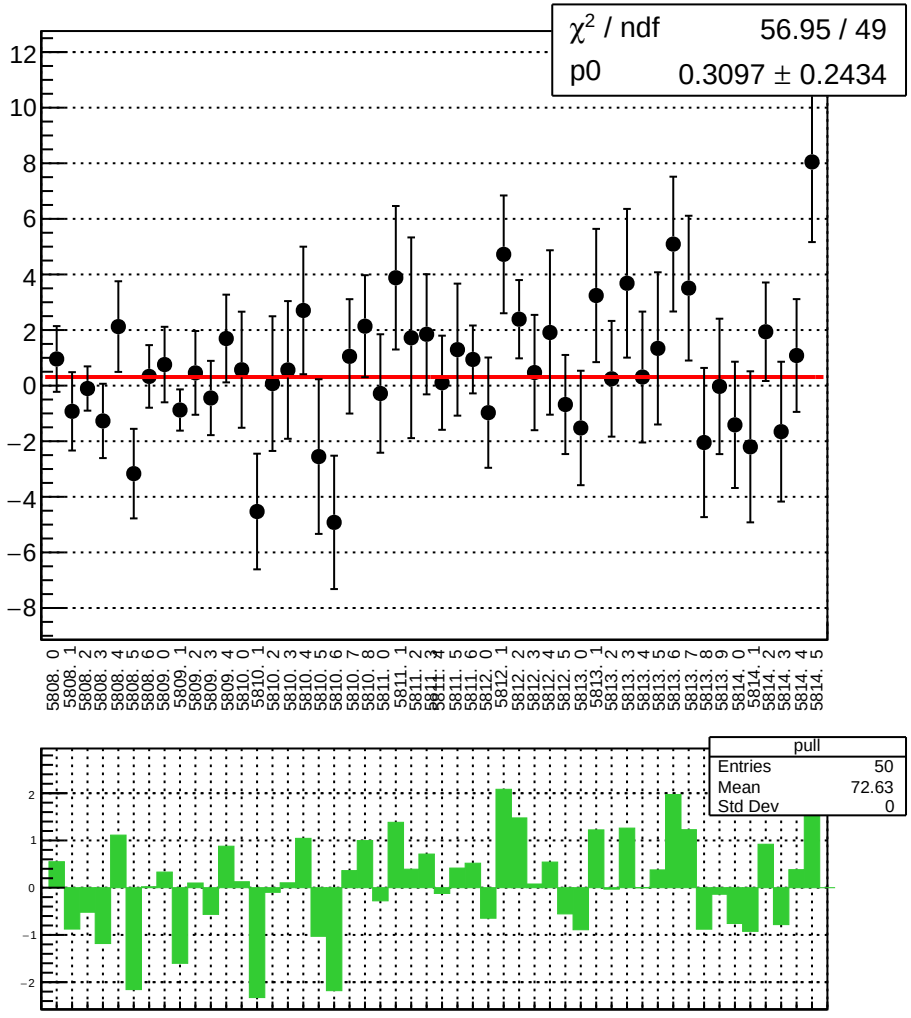

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.694e+05 / 49
p0 1e−10 ± 1.617e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

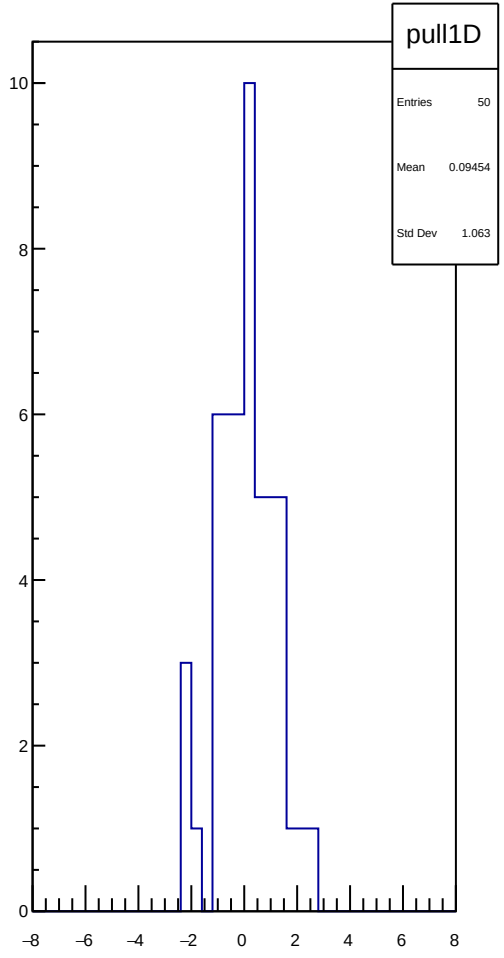

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.95 / 49
p0 0.3097 ± 0.2434
pull
Entries 50
Mean 72.63
Std Dev 0

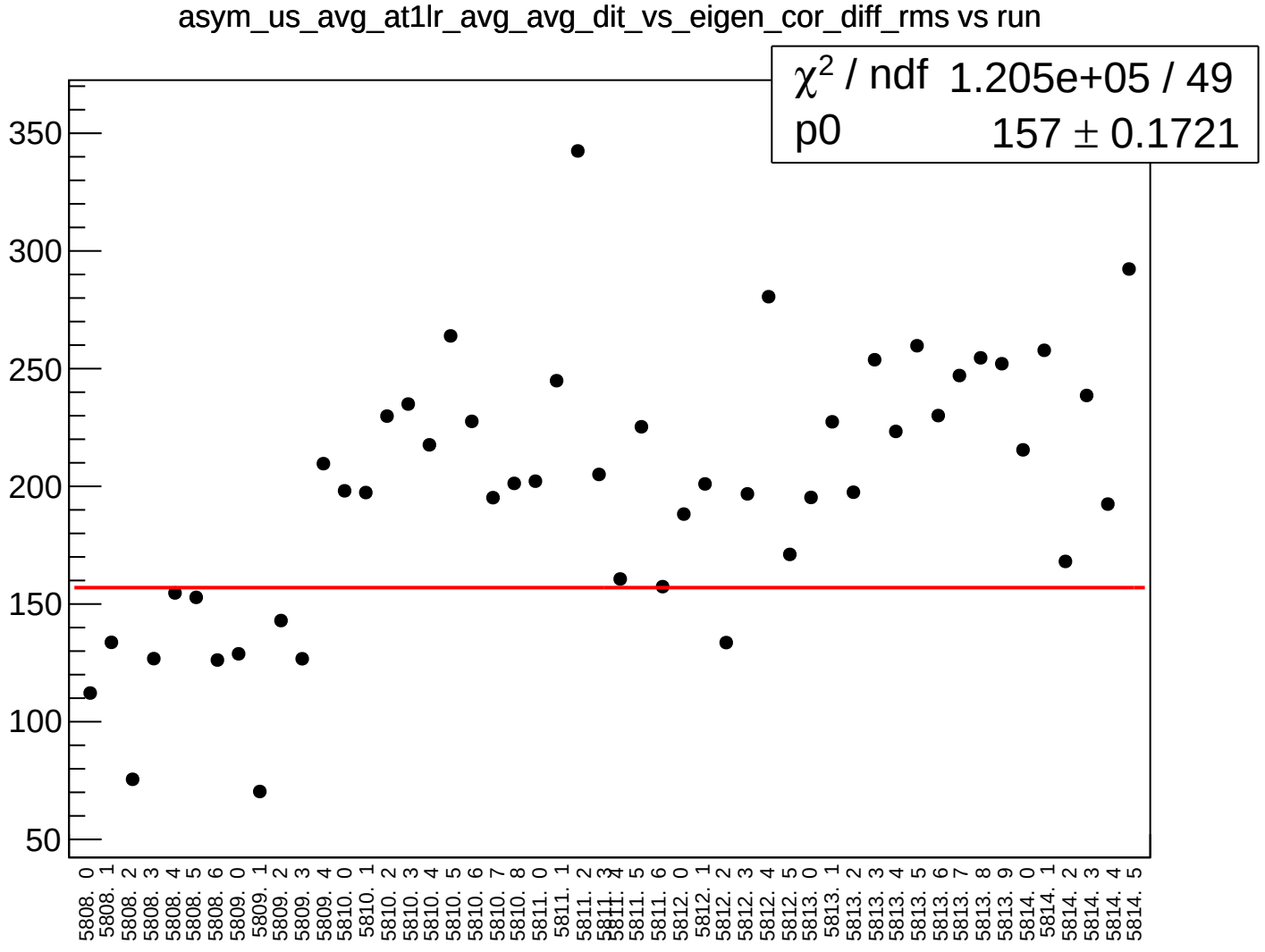

pull1D
Entries 50
Mean 0.09454
Std Dev 1.063

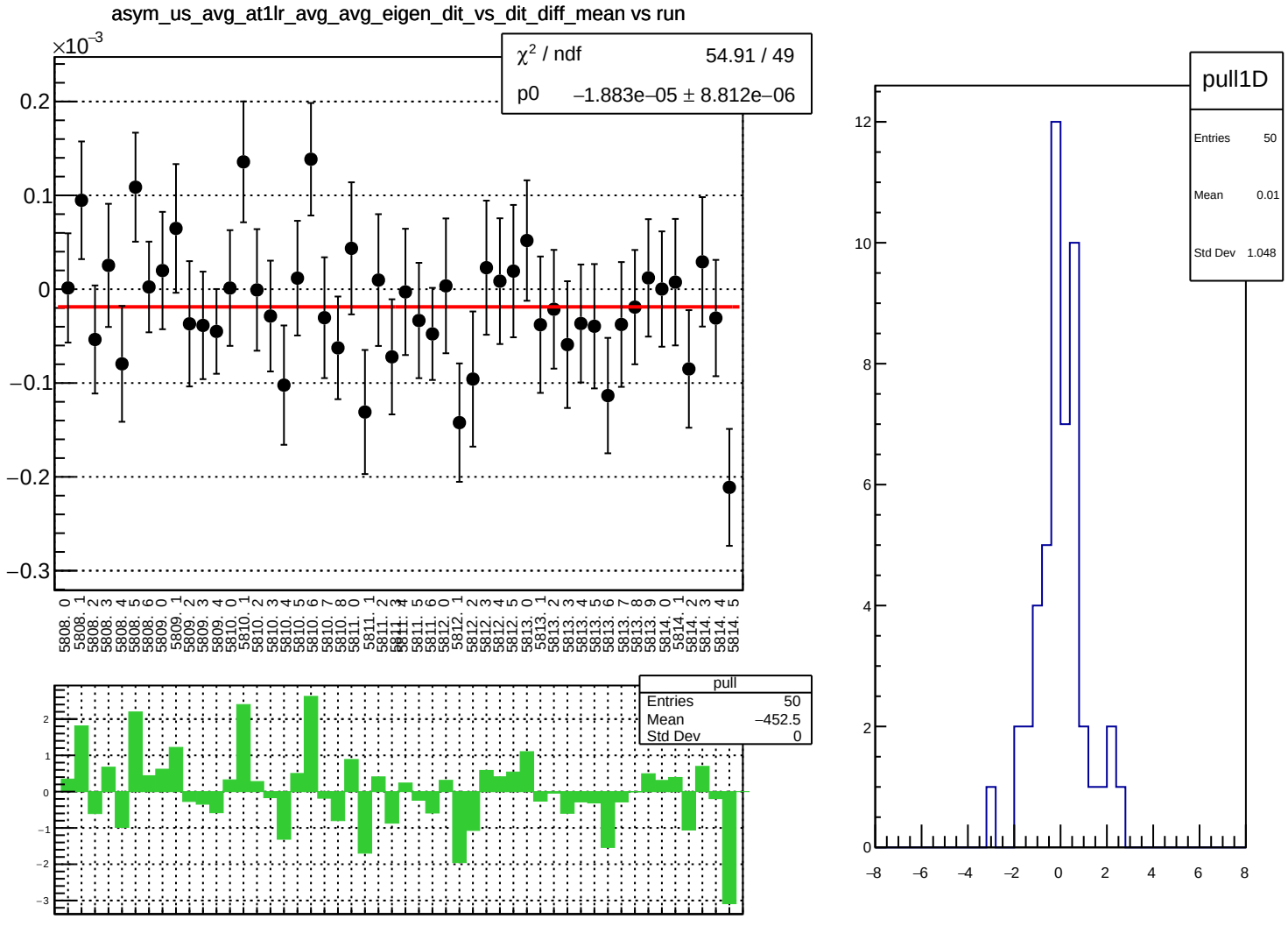

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.205e+05 / 49
p0 157 ± 0.1721
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

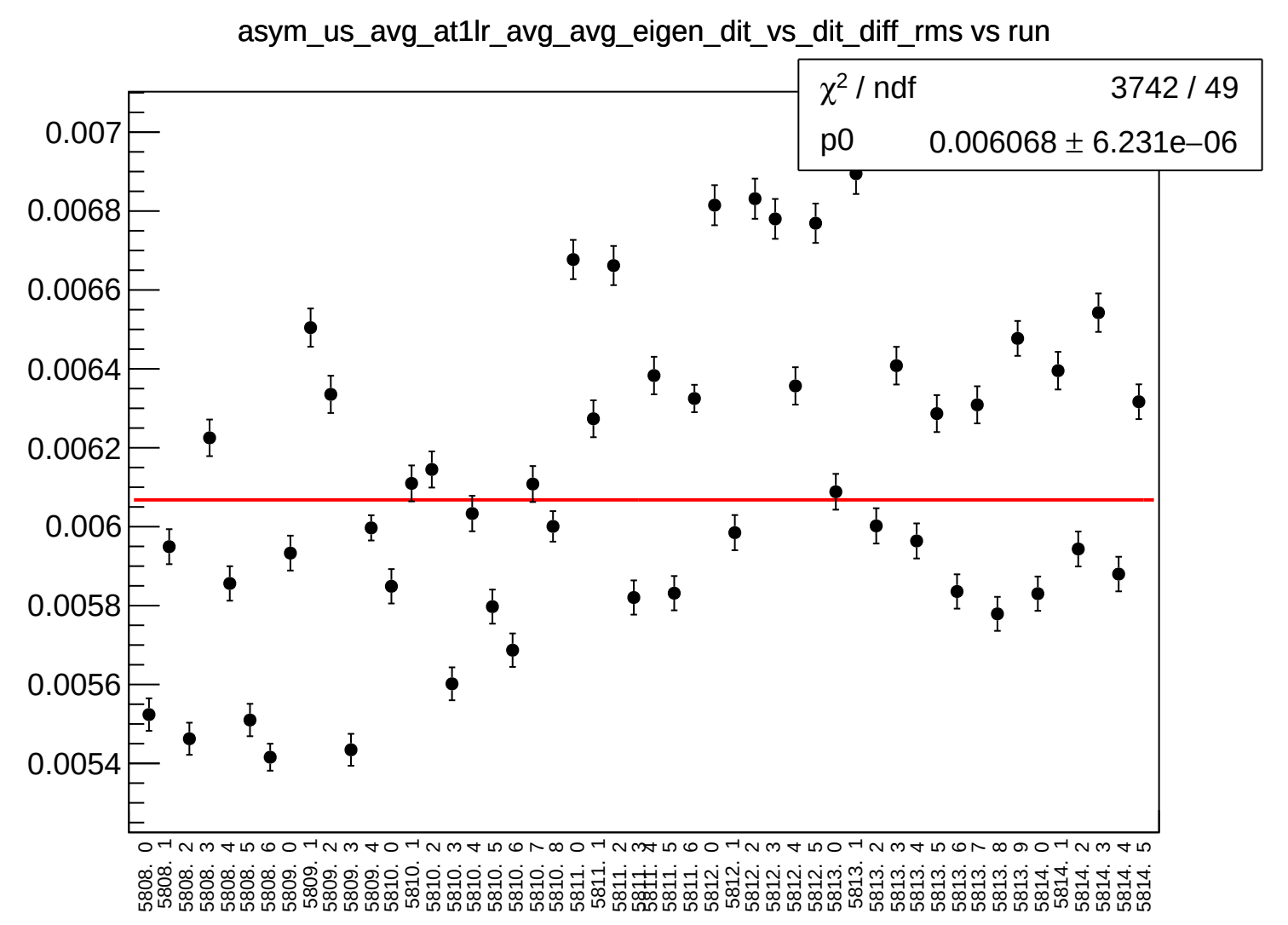
asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run

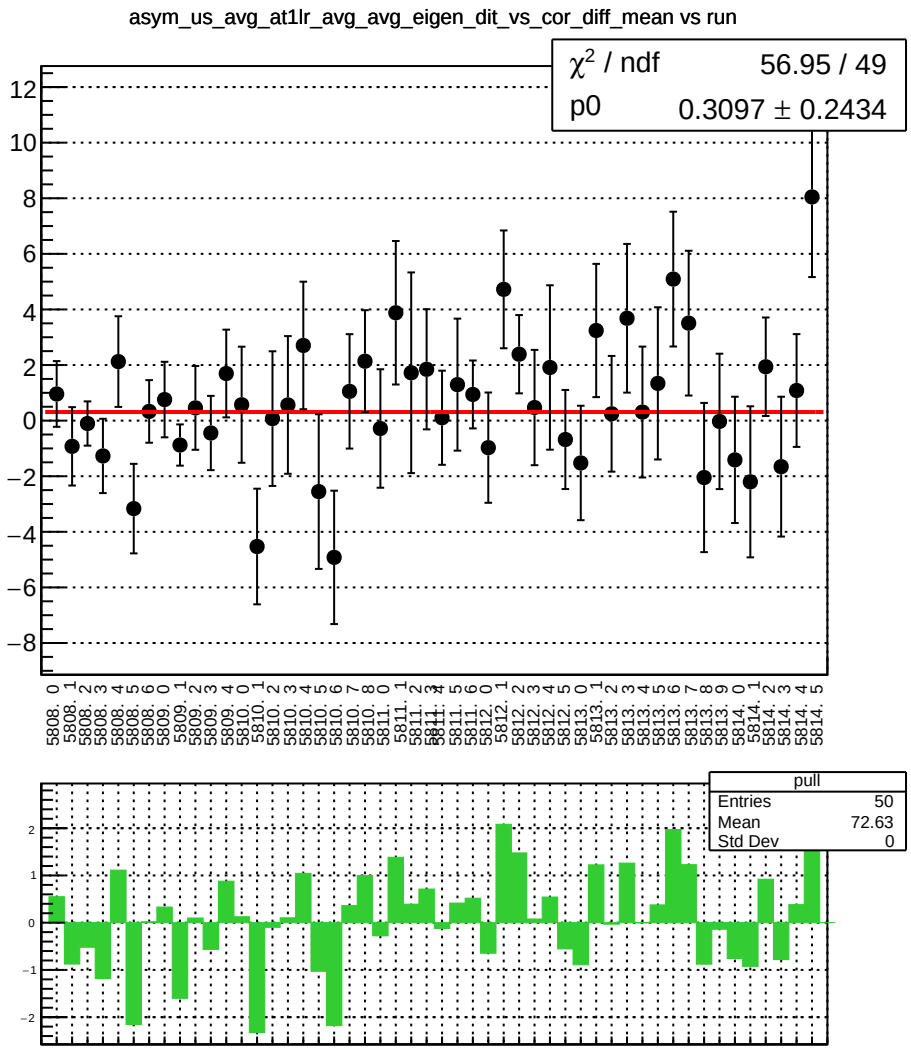


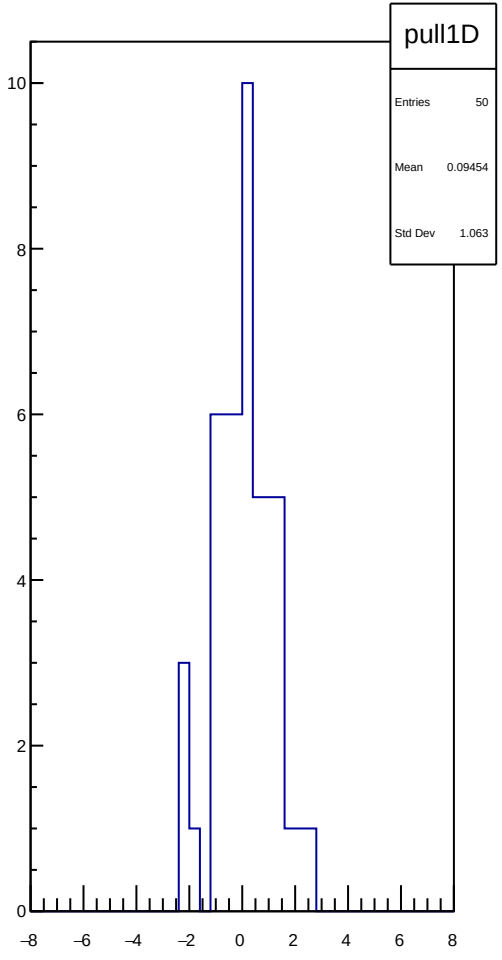


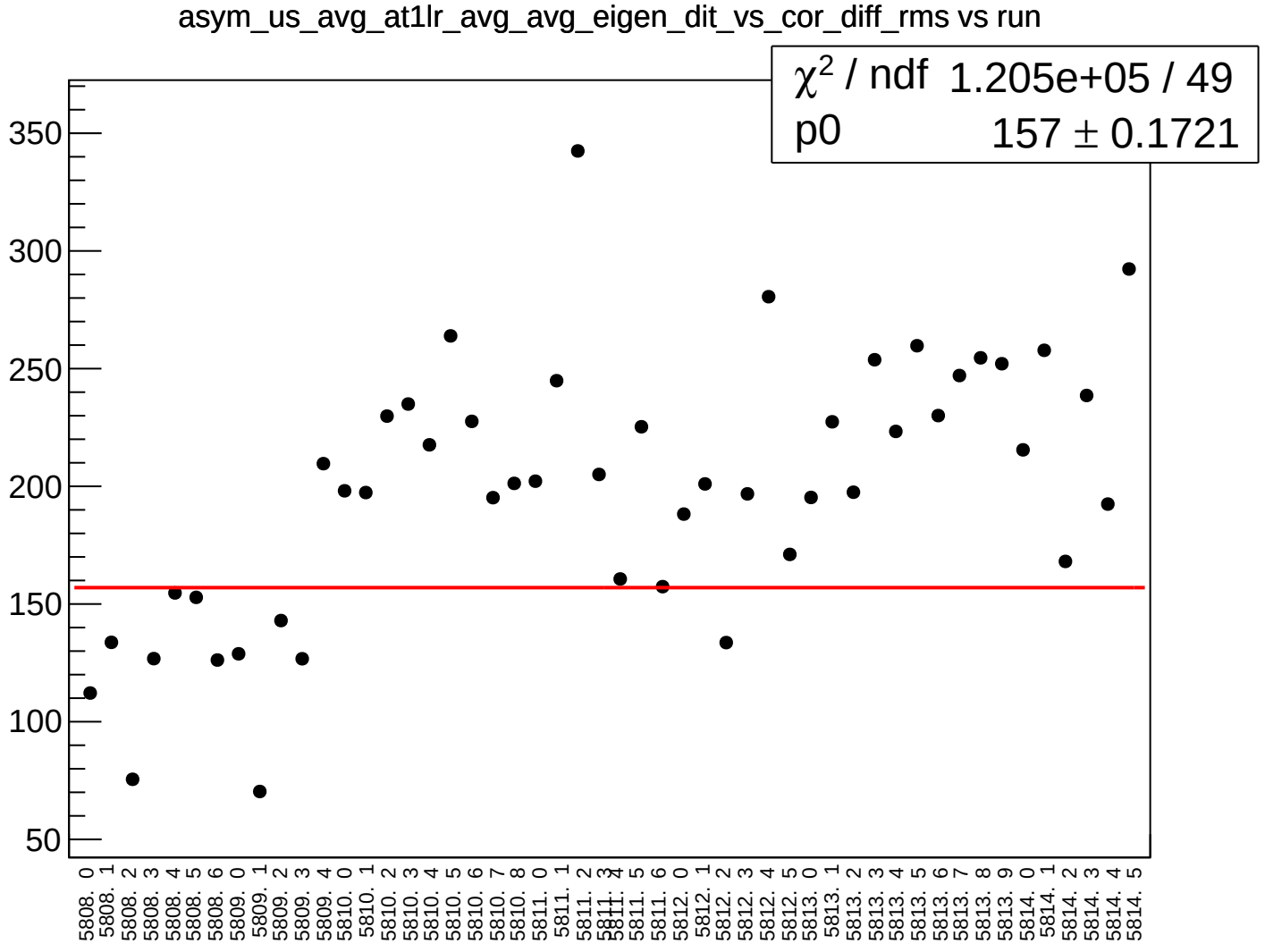

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.205e+05 / 49
p0 157 ± 0.1721
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

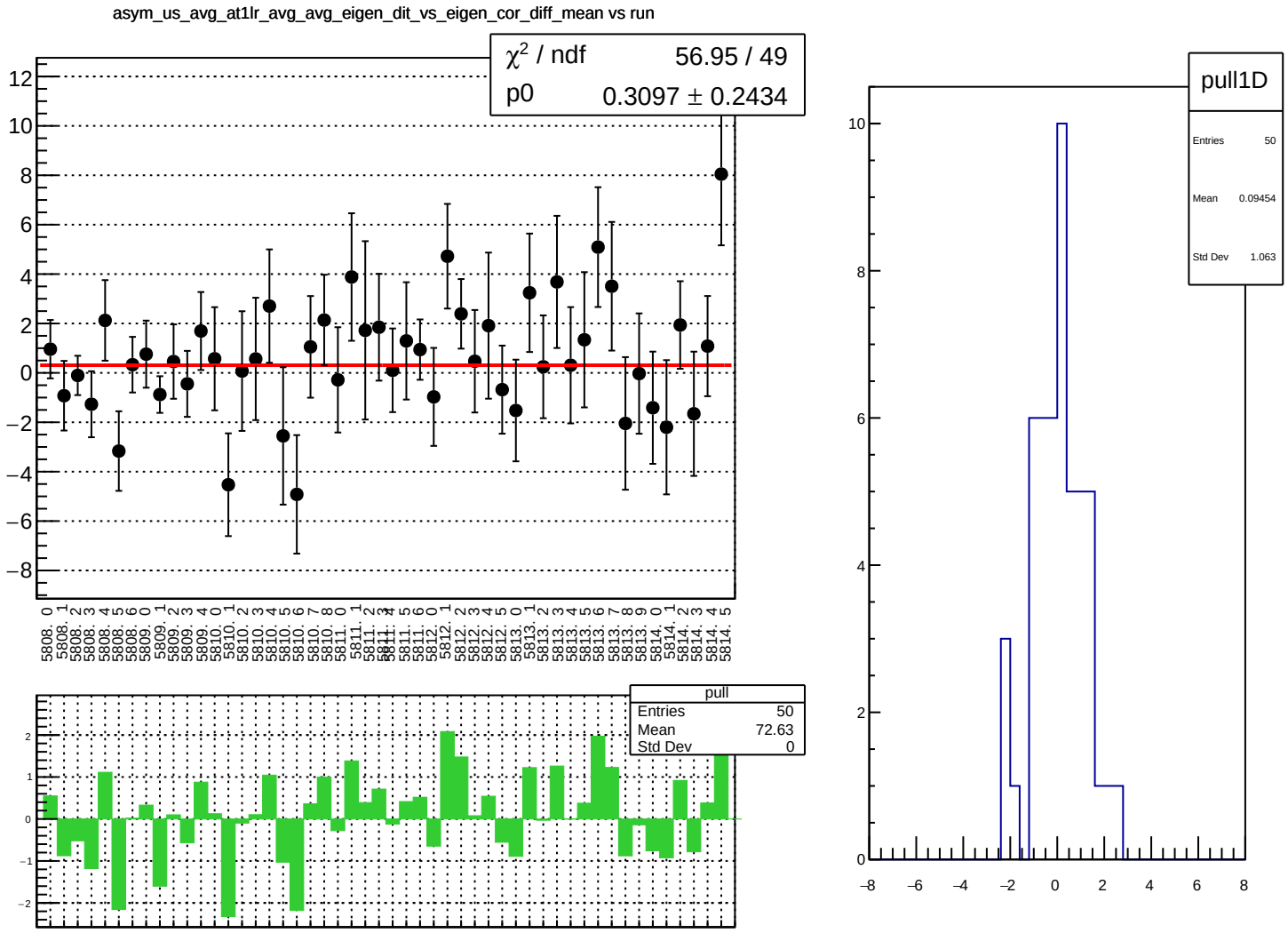

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 54.91 / 49
p0 −1.883e−05 ± 8.812e−06
0.2
0.1
0
−0.1
−0.2
−0.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −452.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01
Std Dev 1.048
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

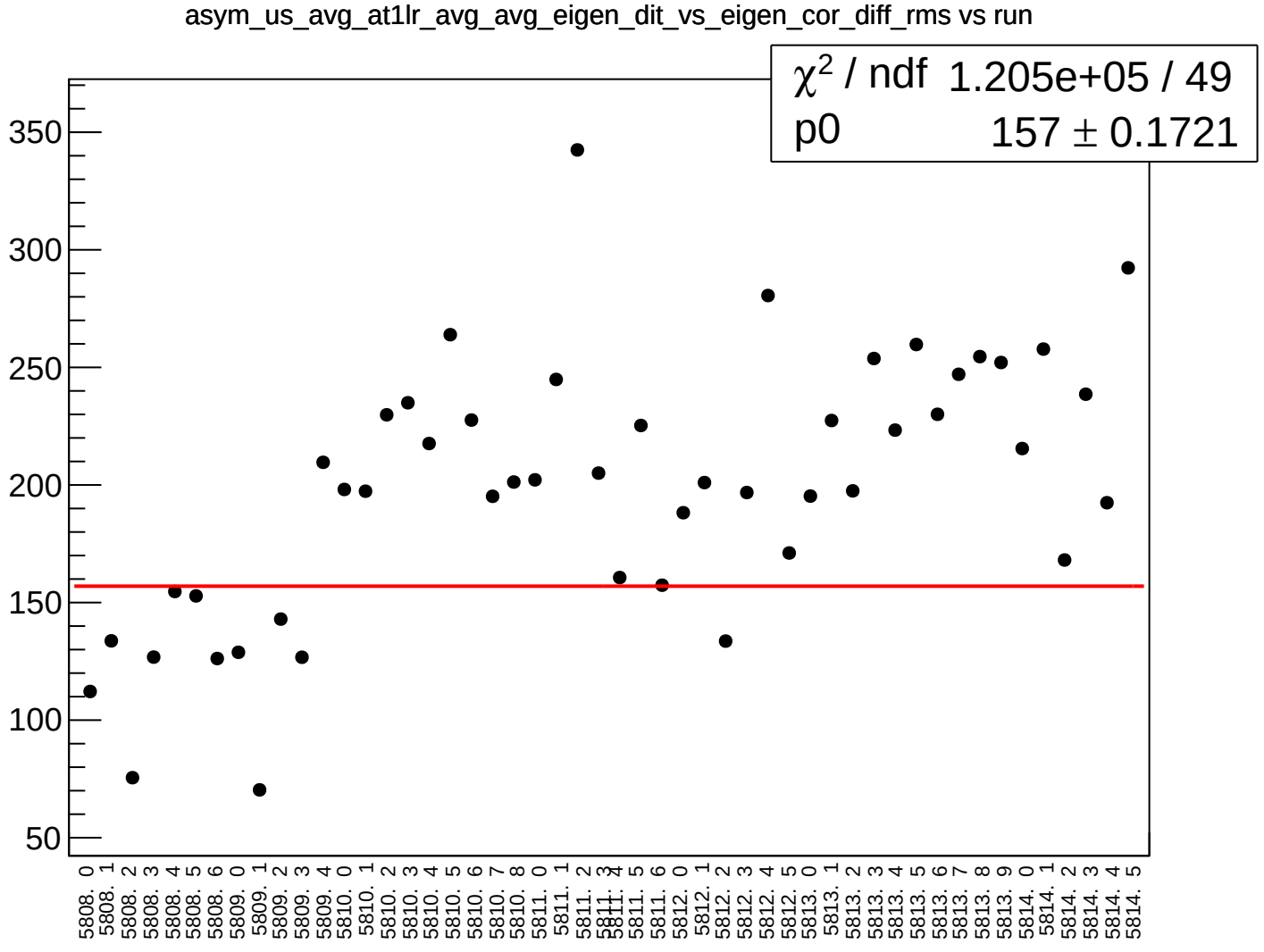

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3742 / 49
p0 0.006068 ± 6.231e−06
0.007
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

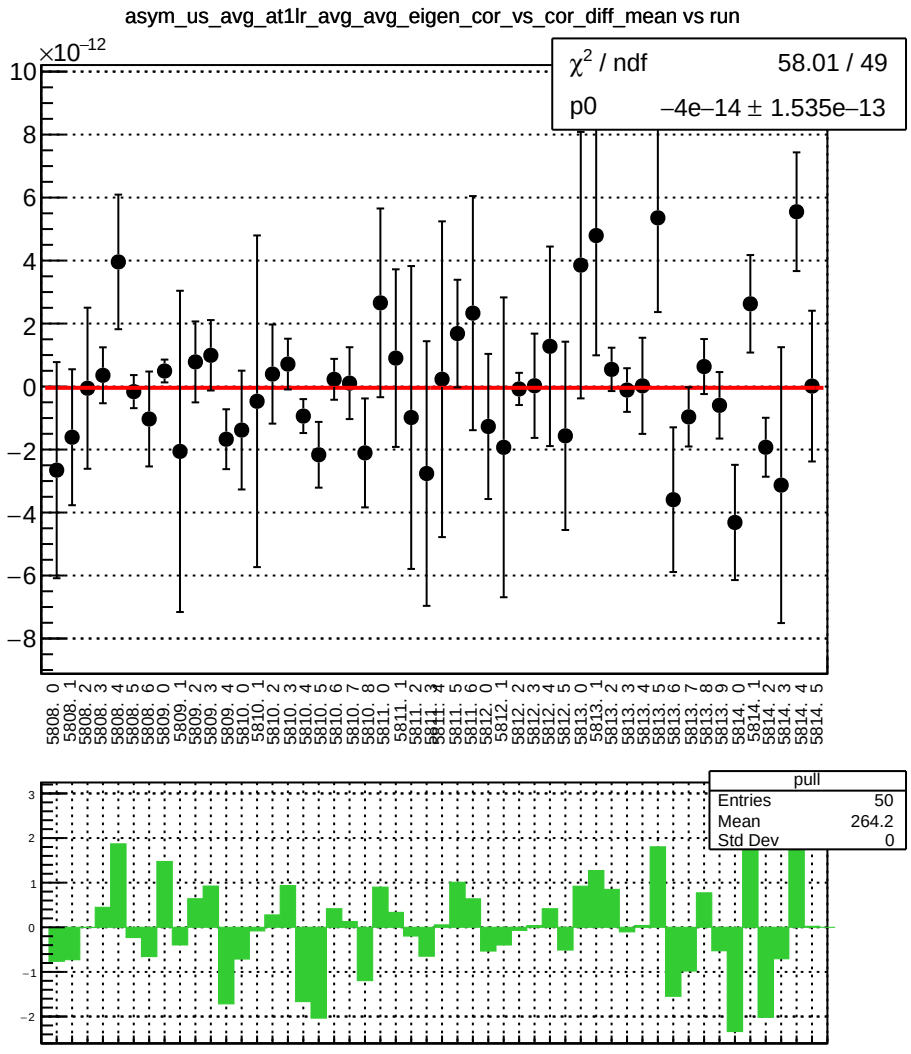

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.95 / 49
p0 0.3097 ± 0.2434
pull
Entries 50
Mean 72.63
Std Dev 0

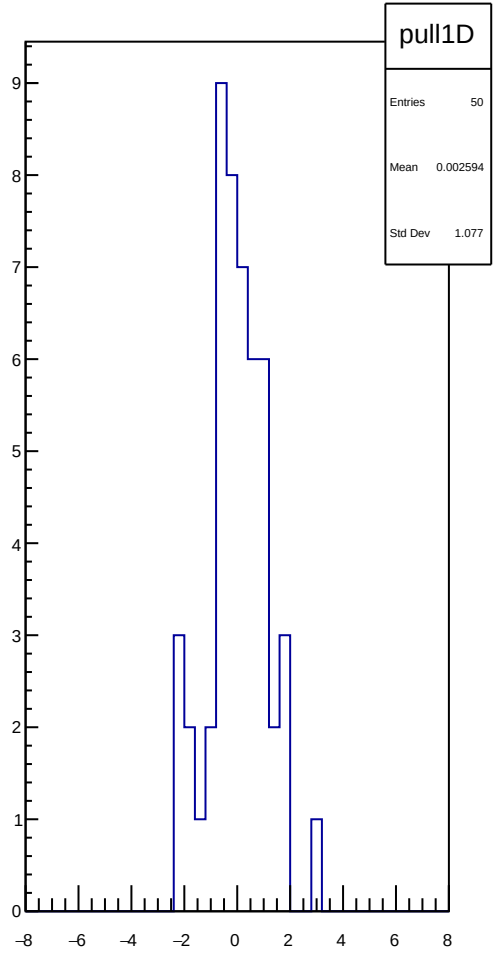

pull1D
Entries 50
Mean 0.09454
Std Dev 1.063

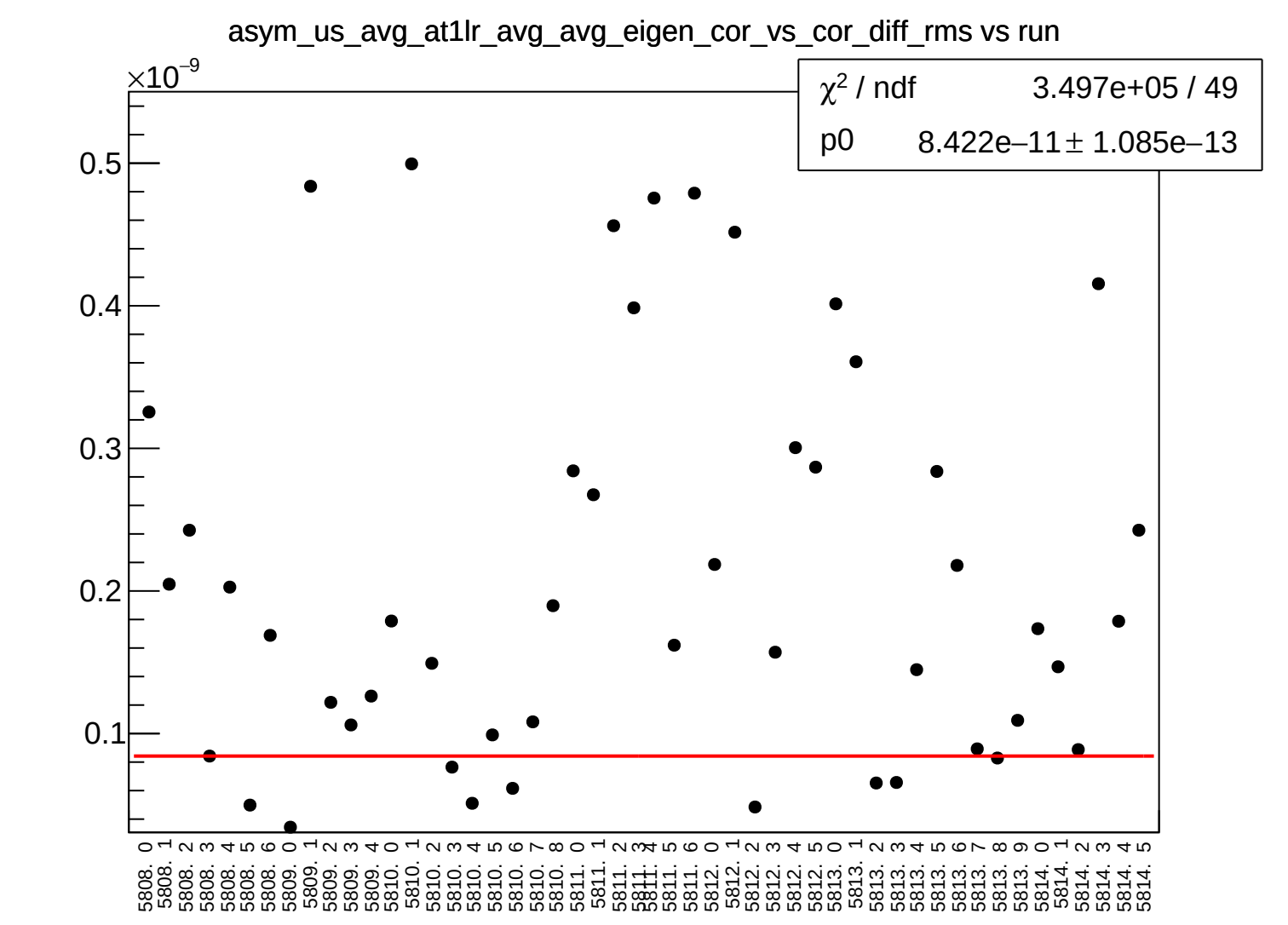

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.205e+05 / 49
p0 157 ± 0.1721
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

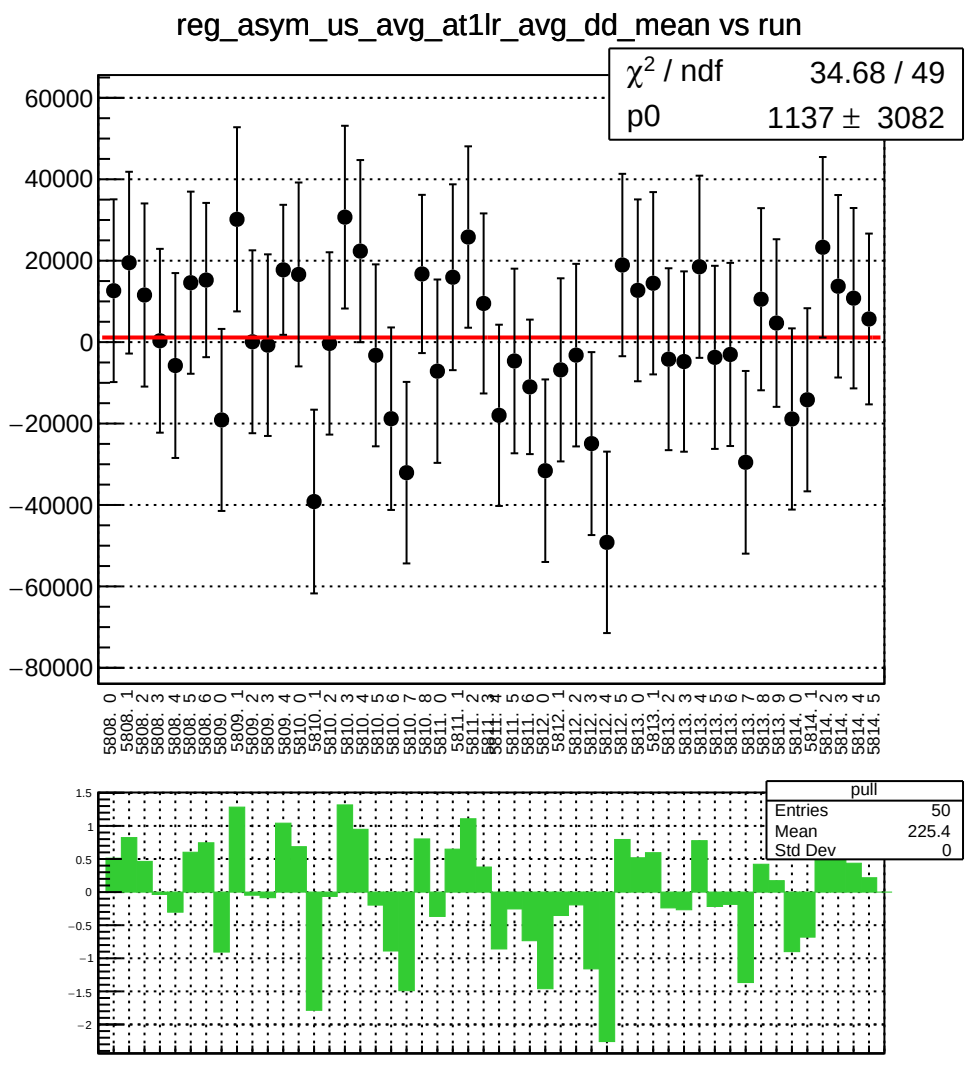

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.95 / 49
p0 0.3097 ± 0.2434
pull
Entries 50
Mean 72.63
Std Dev 0
pull1D
Entries 50
Mean 0.09454
Std Dev 1.063

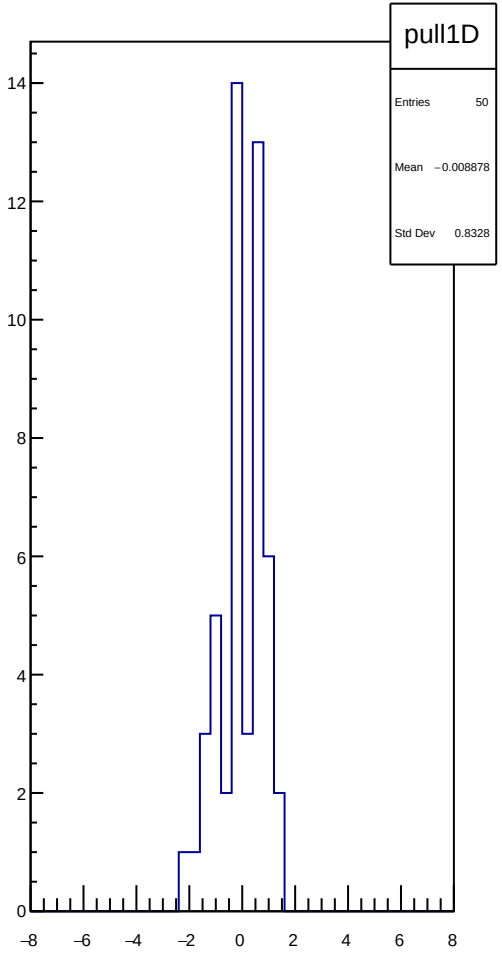

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.205e+05 / 49
p0 157 ± 0.1721
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

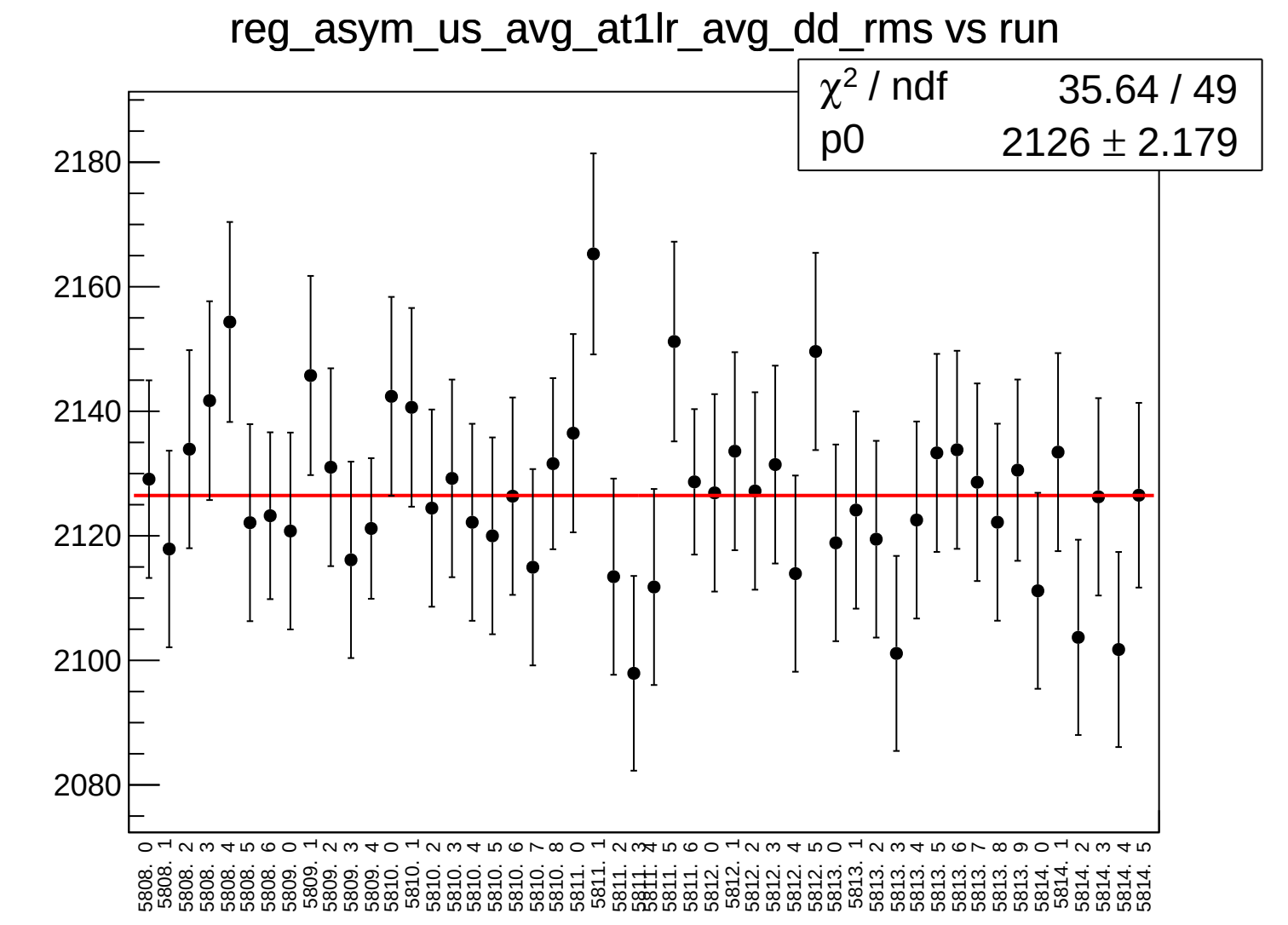

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.01 / 49
p0 −4e−14 ± 1.535e−13
pull
Entries 50
Mean 264.2
Std Dev 0

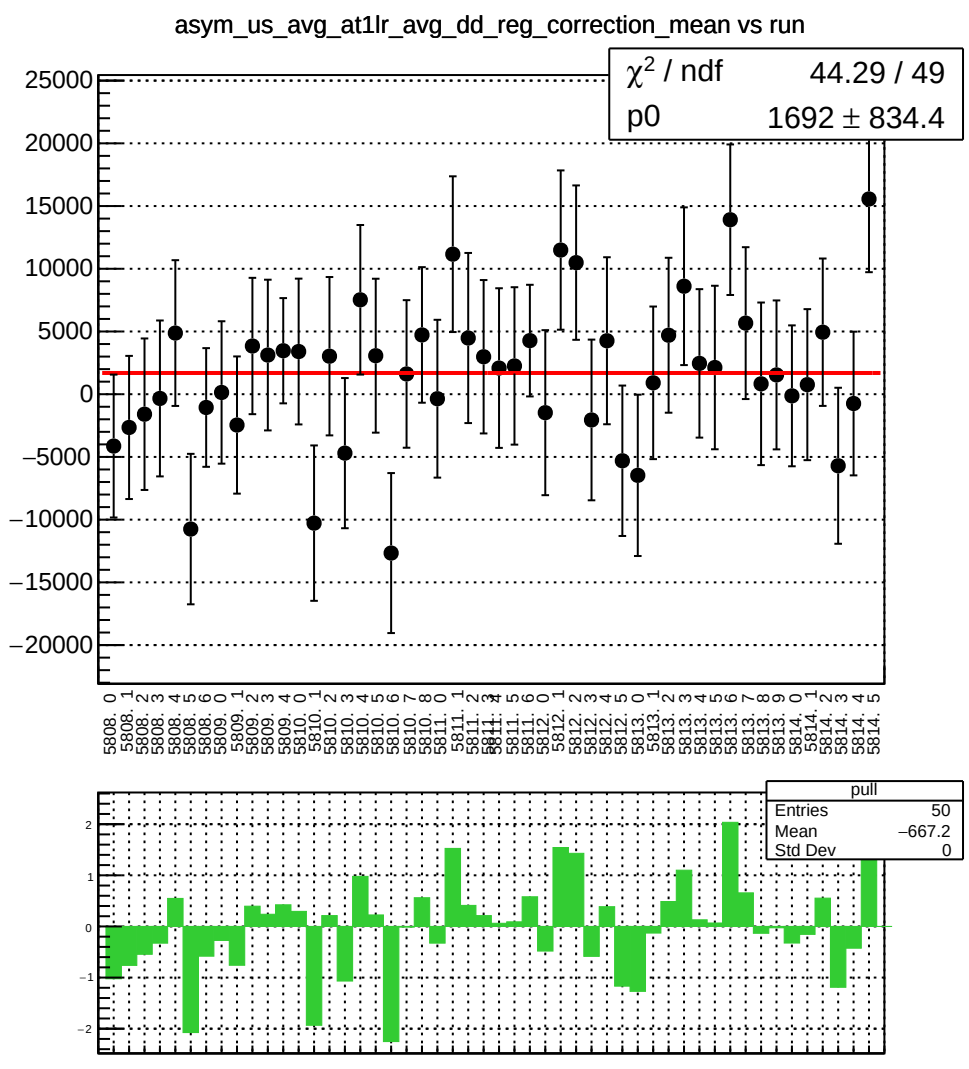

pull1D
Entries 50
Mean 0.002594
Std Dev 1.077

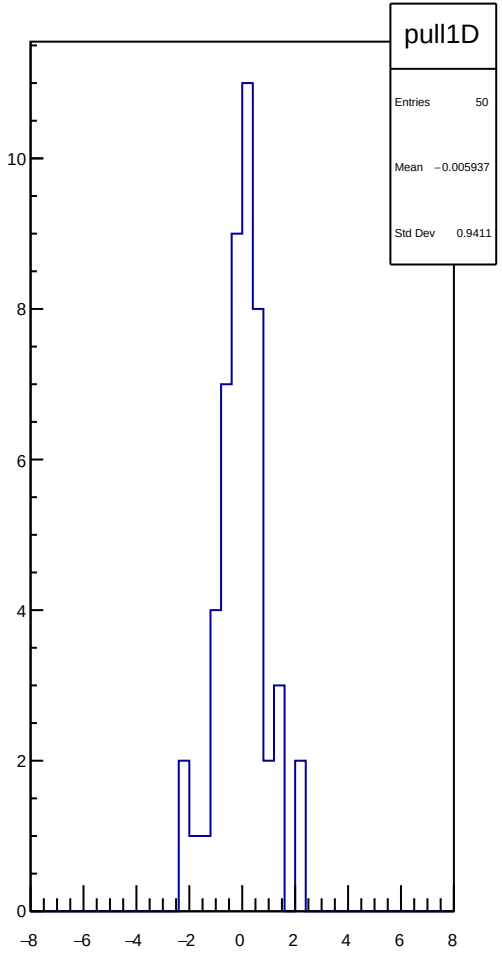

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.497e+05 / 49
p0 8.422e−11 ± 1.085e−13
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

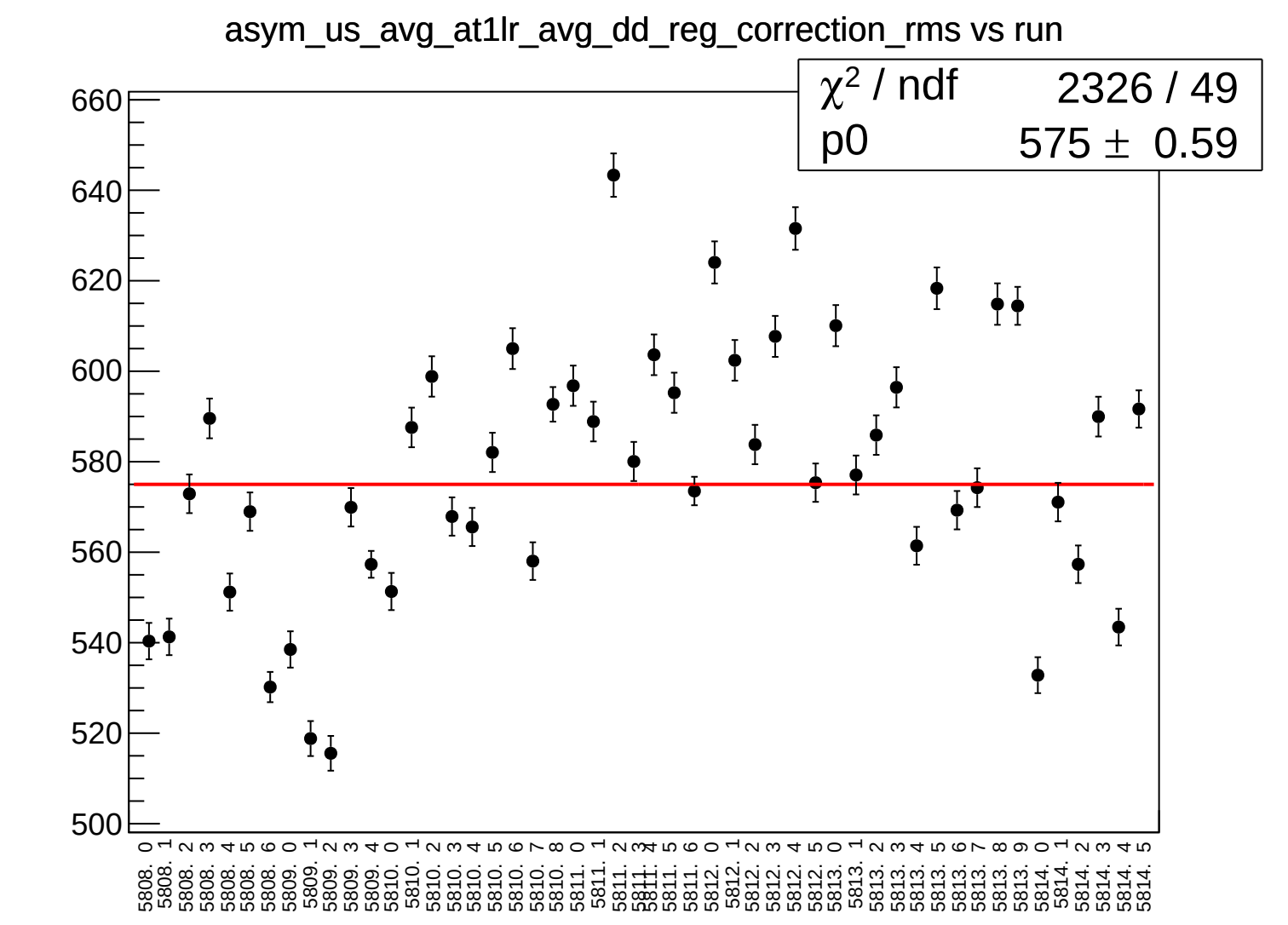

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 34.68 / 49
p0 1137 ± 3082
pull
Entries 50
Mean 225.4
Std Dev 0

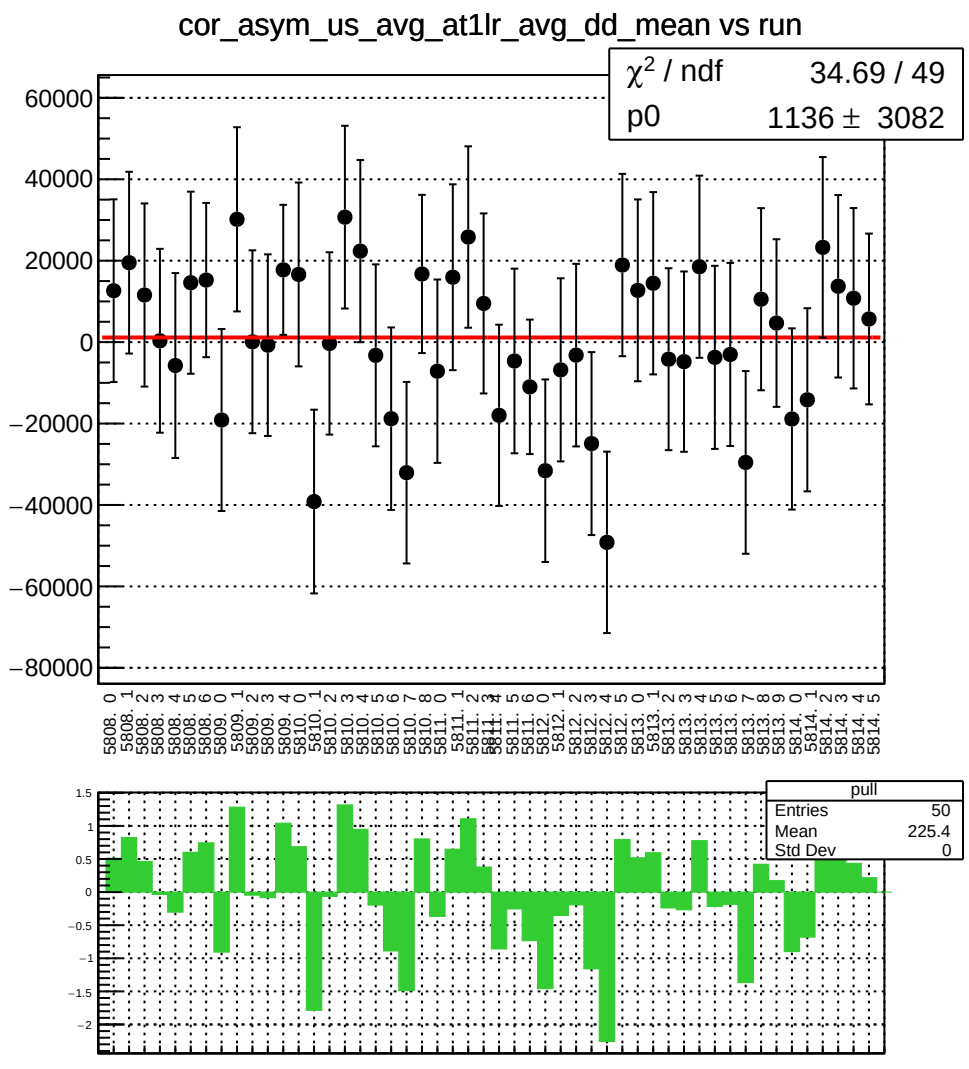

pull1D
Entries 50
Mean −0.008878
Std Dev 0.8328

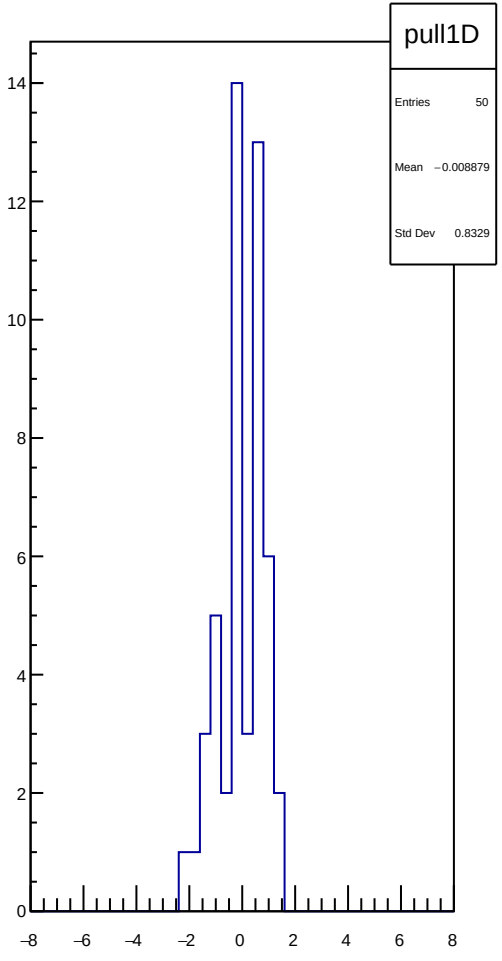

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 35.64 / 49
p0 2126 ± 2.179
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

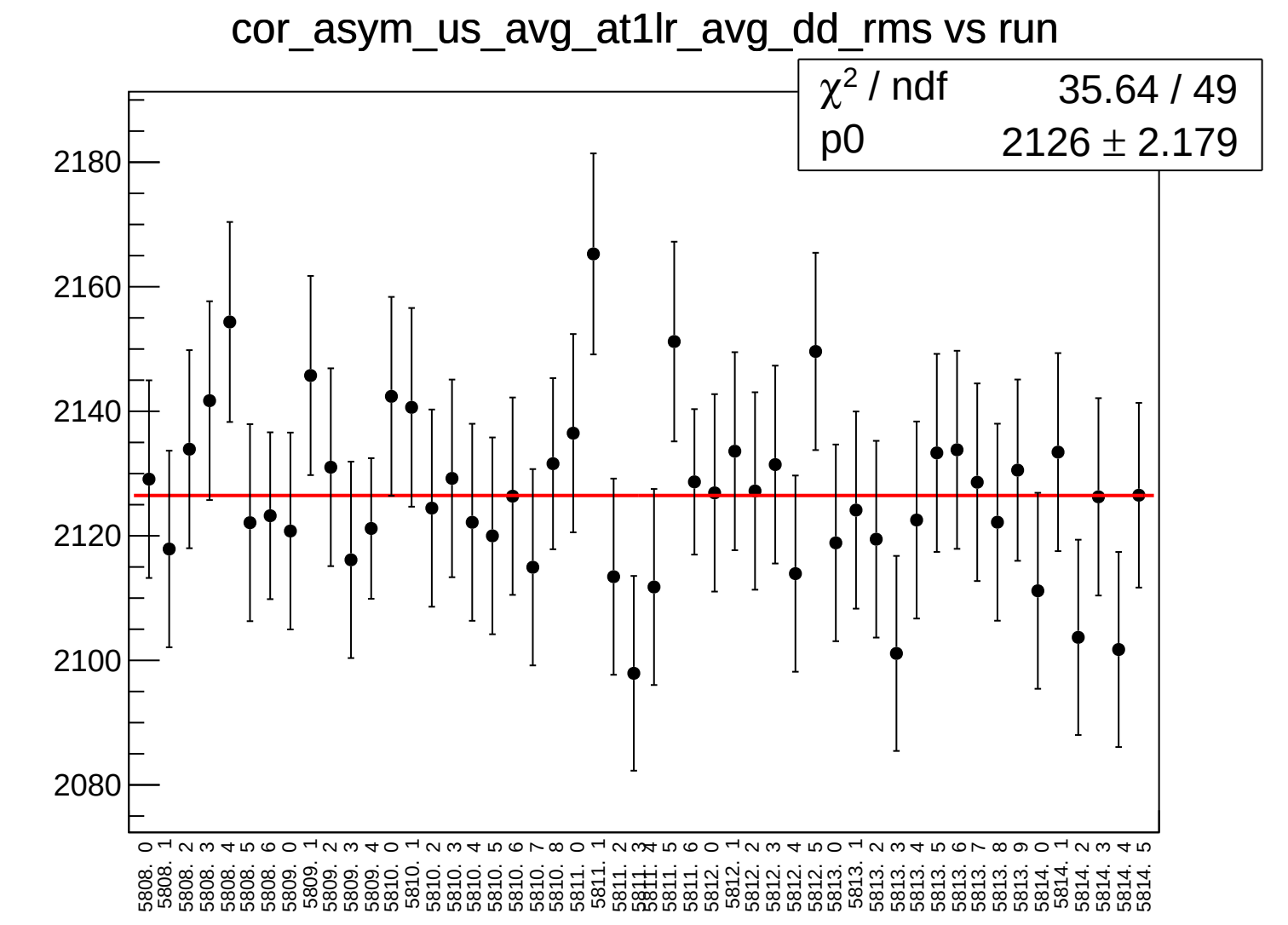

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 44.29 / 49
p0 1692 ± 834.4
pull
Entries 50
Mean −667.2
Std Dev 0

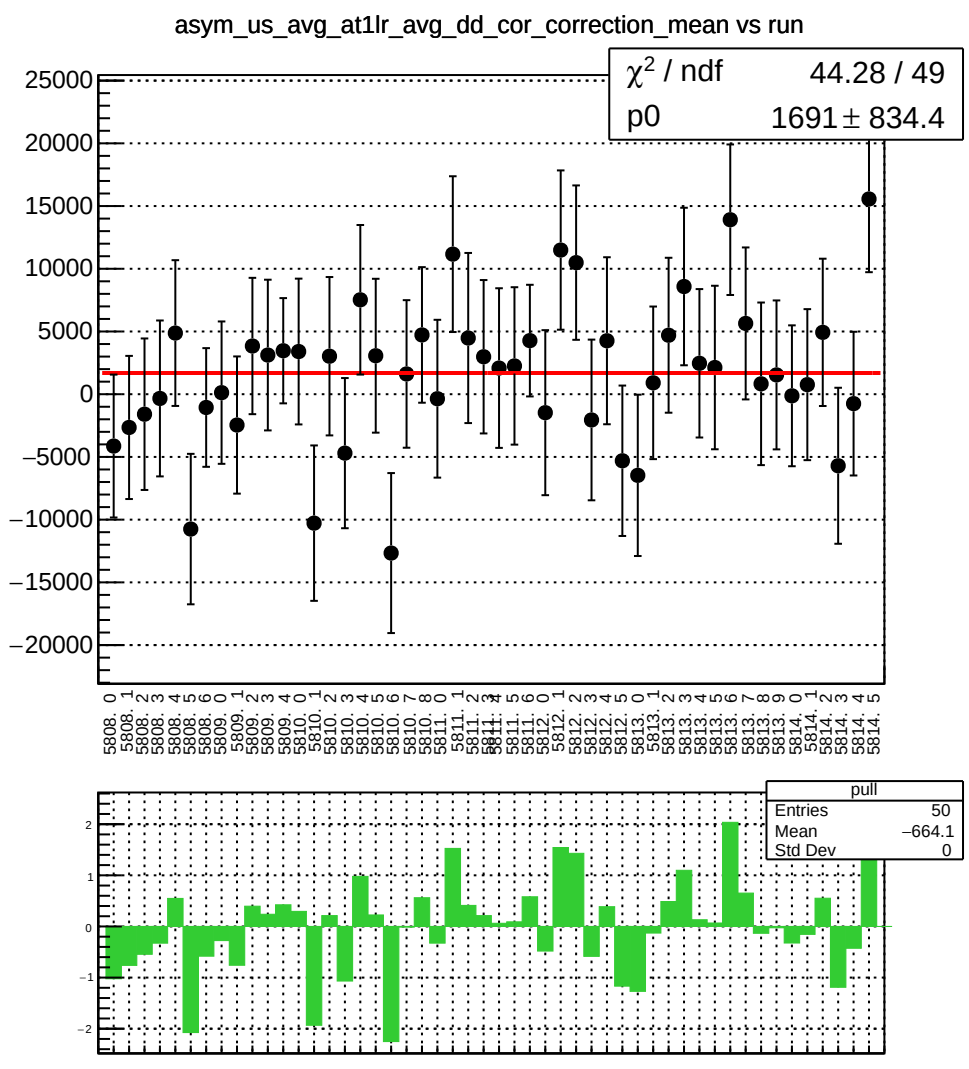

pull1D
Entries 50
Mean −0.005937
Std Dev 0.9411

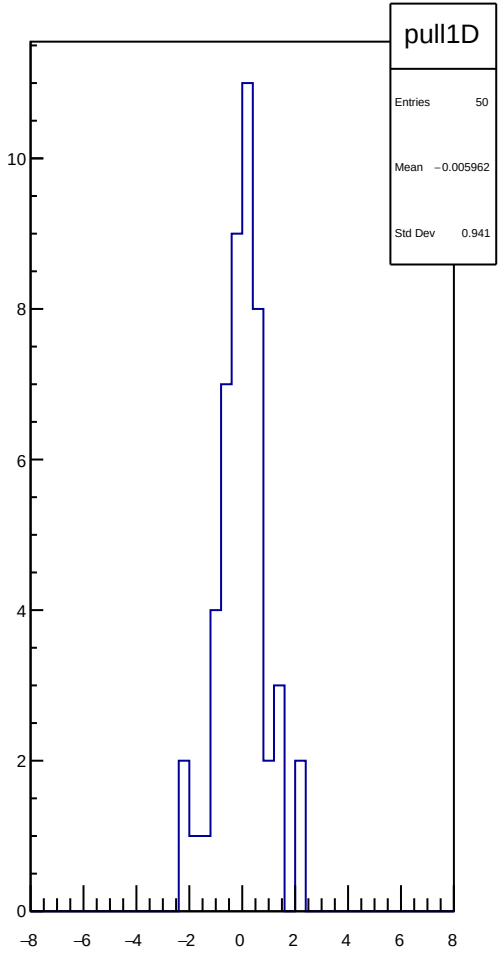

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2326 / 49
p0 575 ± 0.59
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

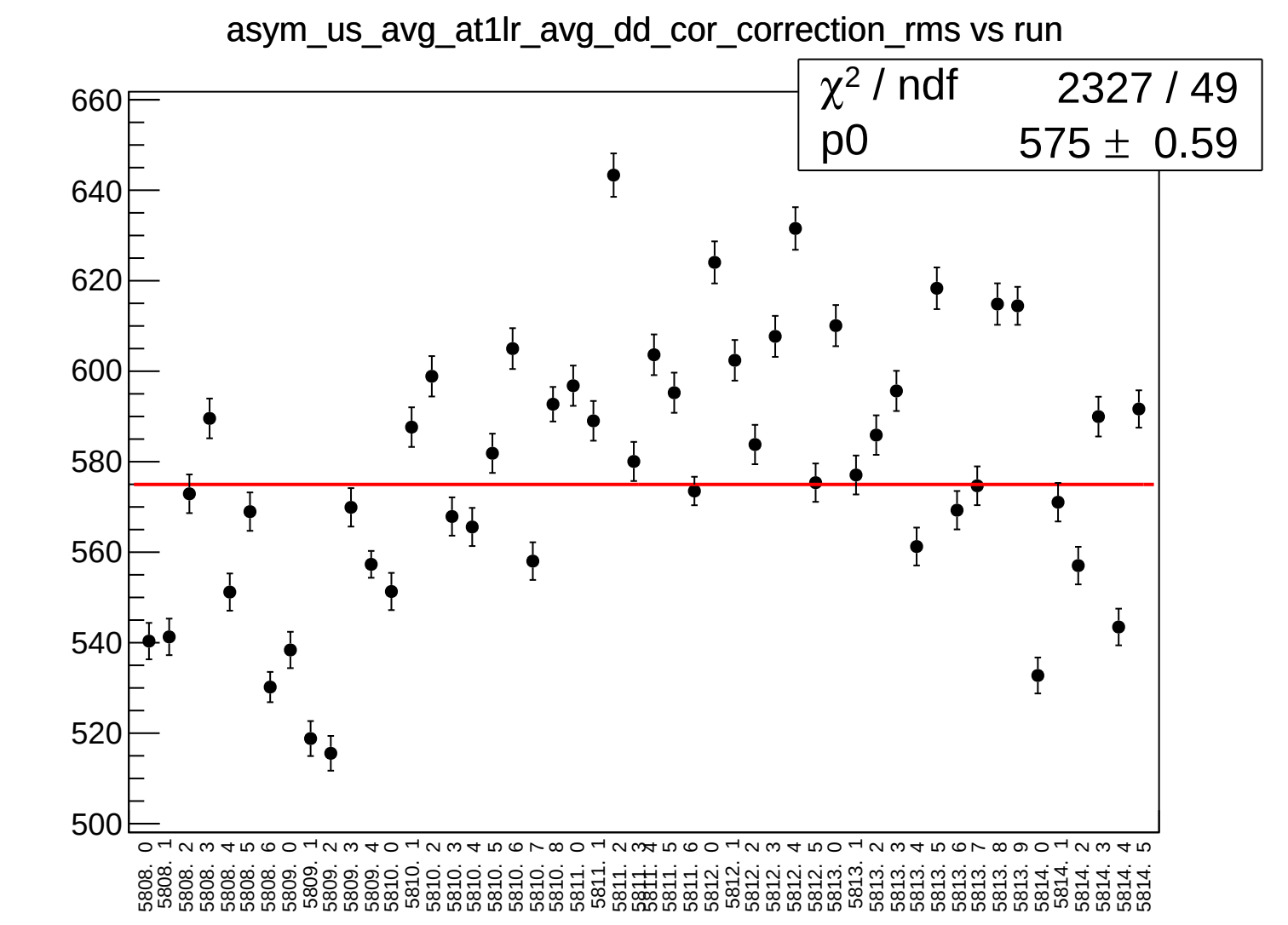

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 34.69 / 49
p0 1136 ± 3082
pull
Entries 50
Mean 225.4
Std Dev 0

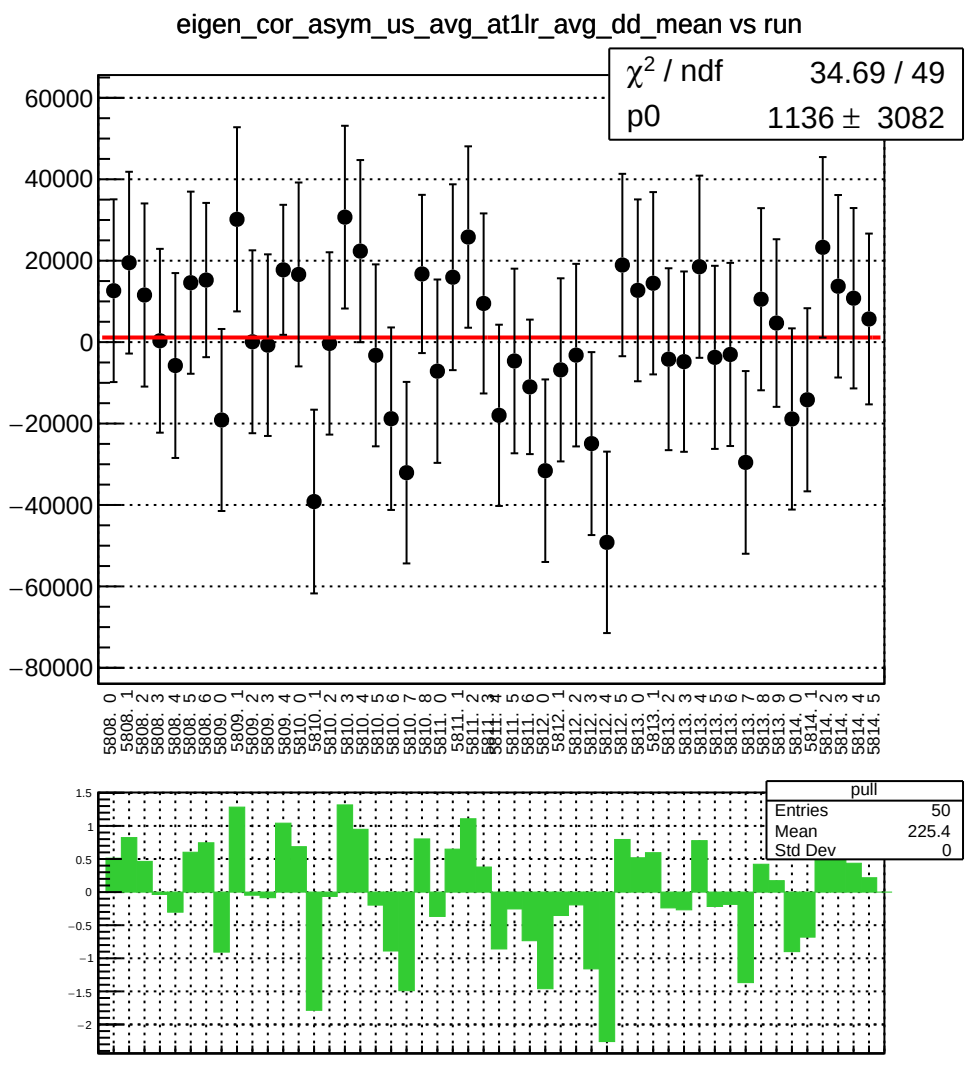

pull1D
Entries 50
Mean −0.008879
Std Dev 0.8329

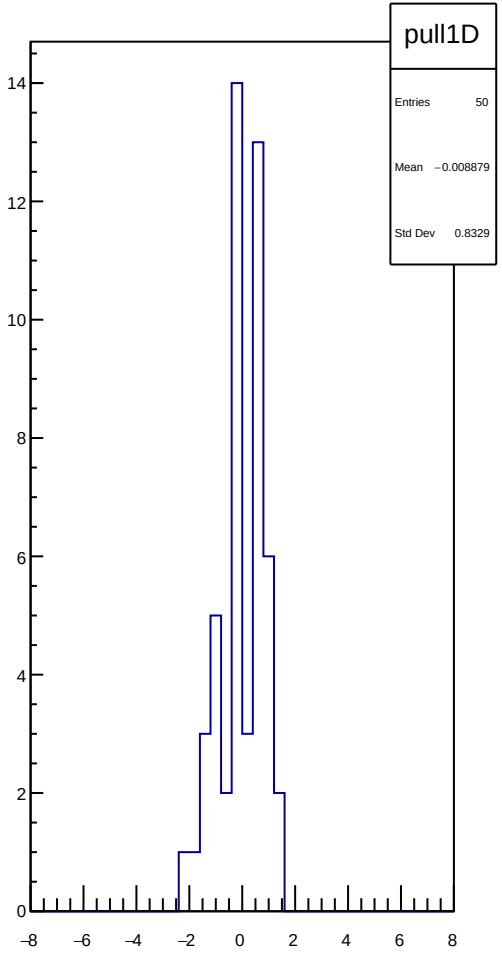

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 35.64 / 49
p0 2126 ± 2.179
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

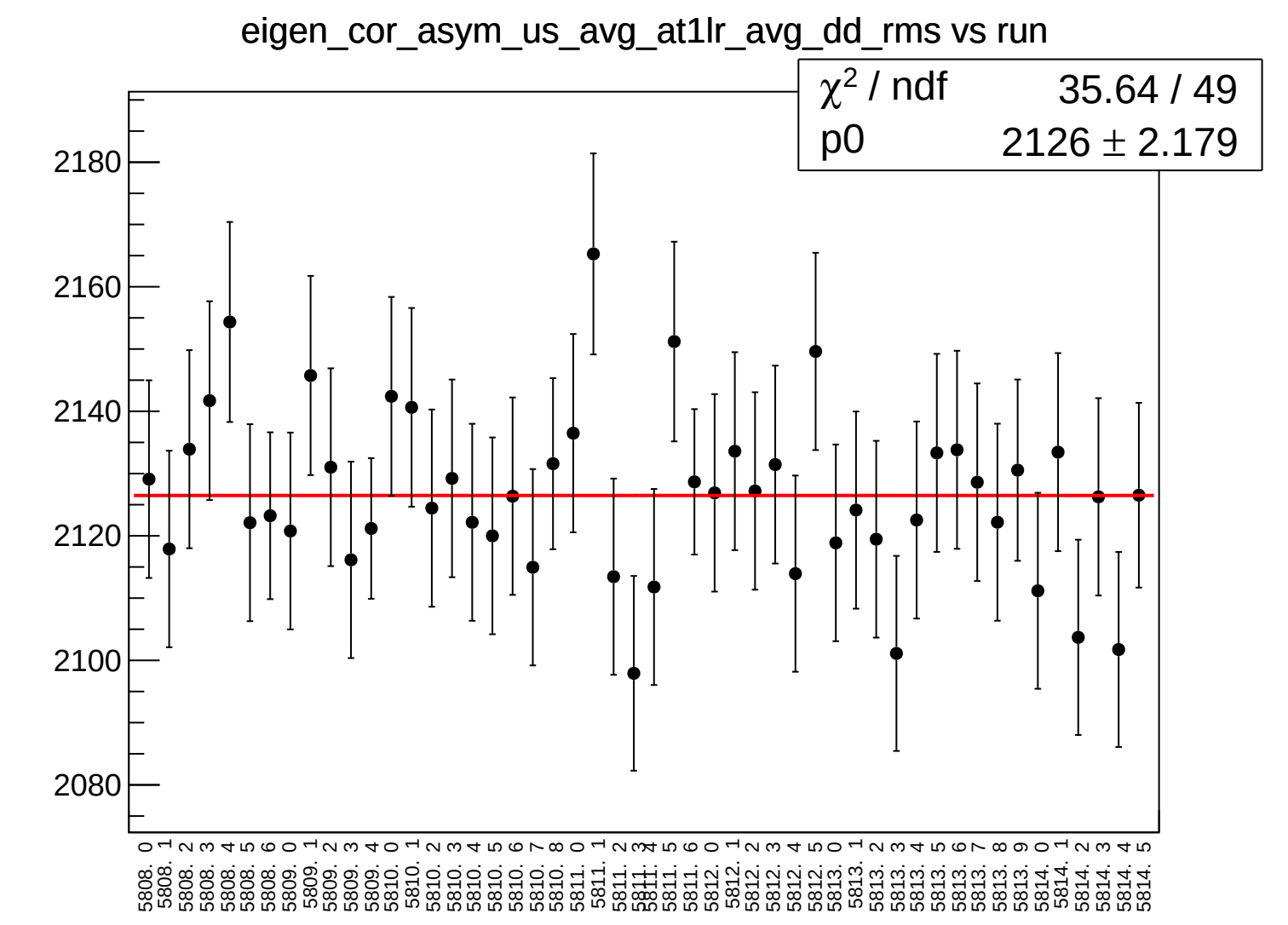

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 44.28 / 49
p0 1691 ± 834.4
pull
Entries 50
Mean −664.1
Std Dev 0

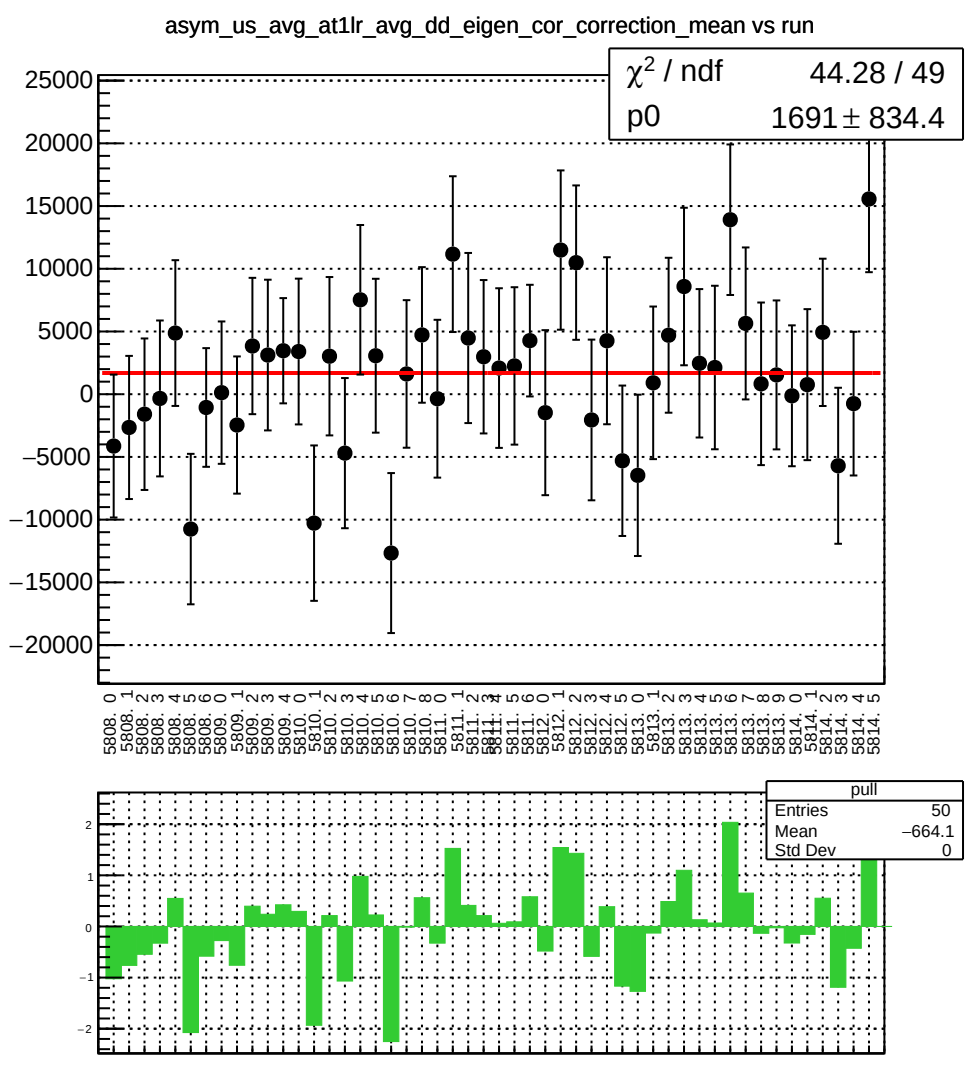

pull1D
Entries 50
Mean −0.005962
Std Dev 0.941

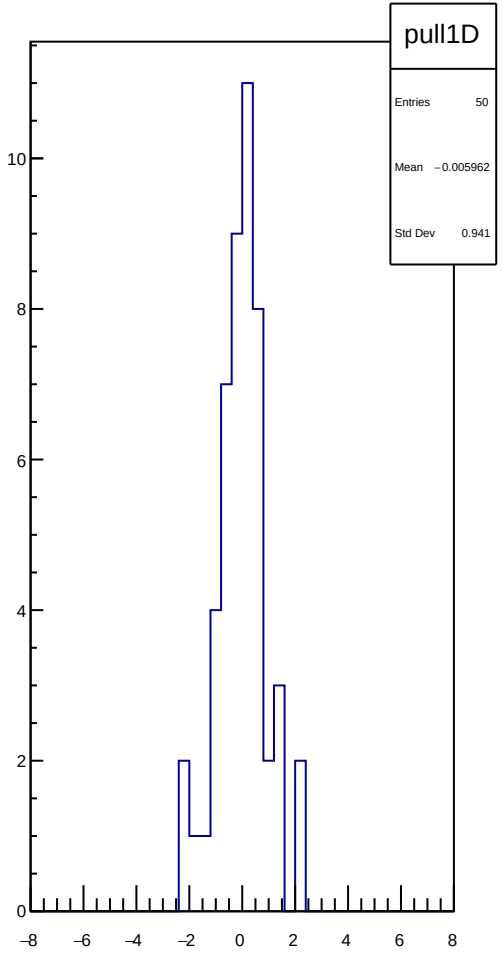

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2327 / 49
p0 575 ± 0.59
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

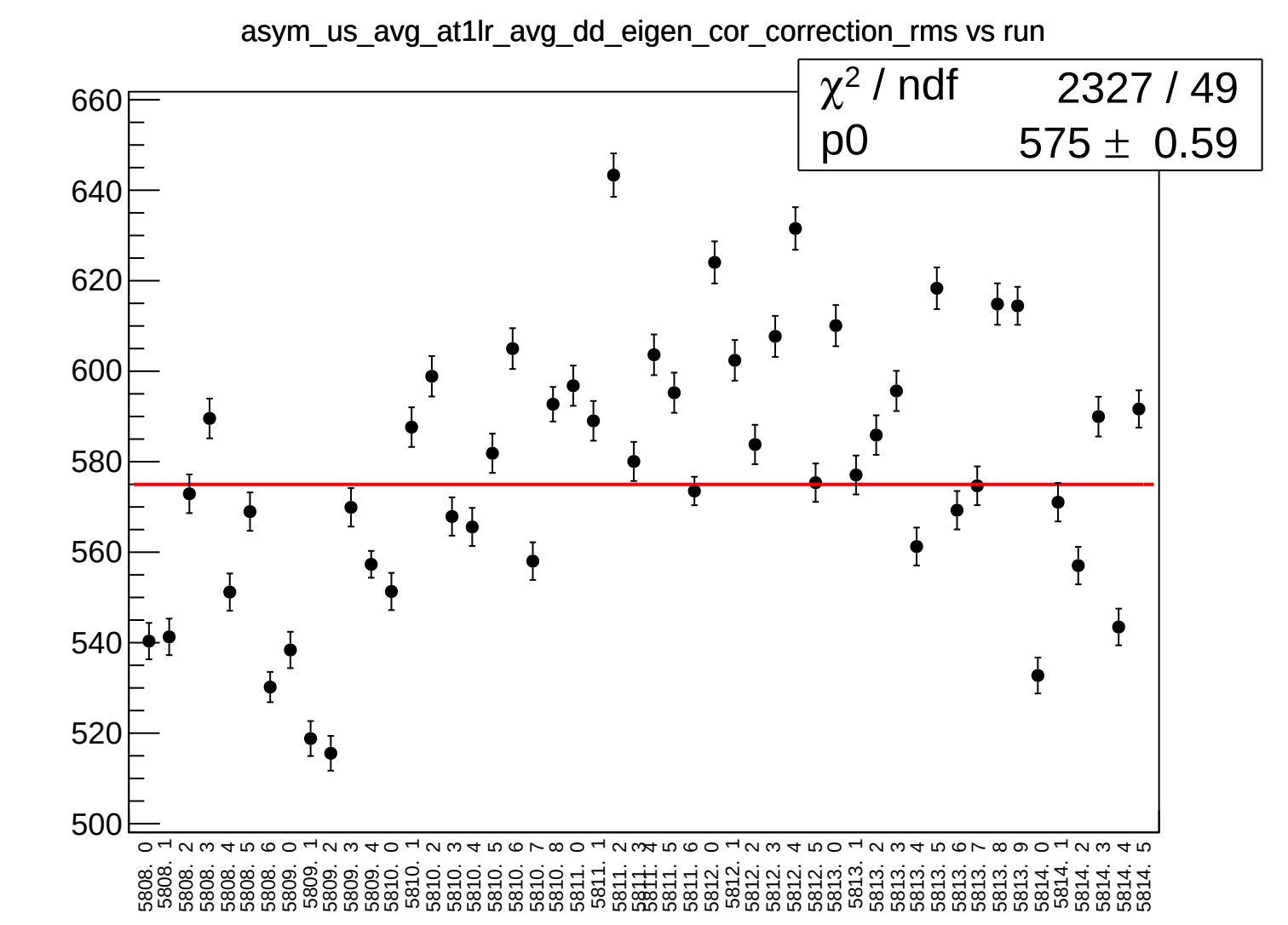

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 34.69 / 49
p0 1136 ± 3082
pull
Entries 50
Mean 225.4
Std Dev 0


pull1D
Entries 50
Mean −0.008879
Std Dev 0.8329


eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 35.64 / 49
p0 2126 ± 2.179
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 44.28 / 49
p0 1691 ± 834.4
pull
Entries 50
Mean −664.1
Std Dev 0


pull1D
Entries 50
Mean −0.005962
Std Dev 0.941


asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2327 / 49
p0 575 ± 0.59
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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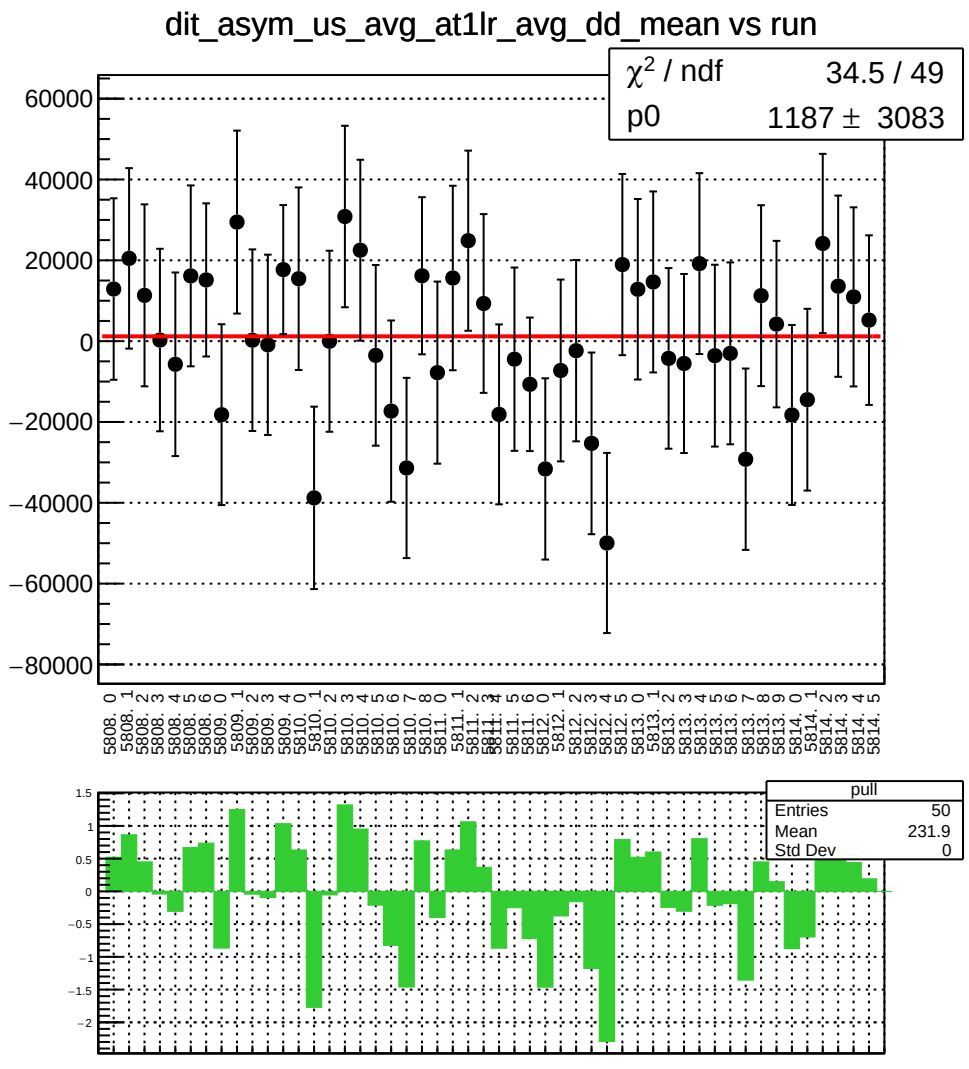
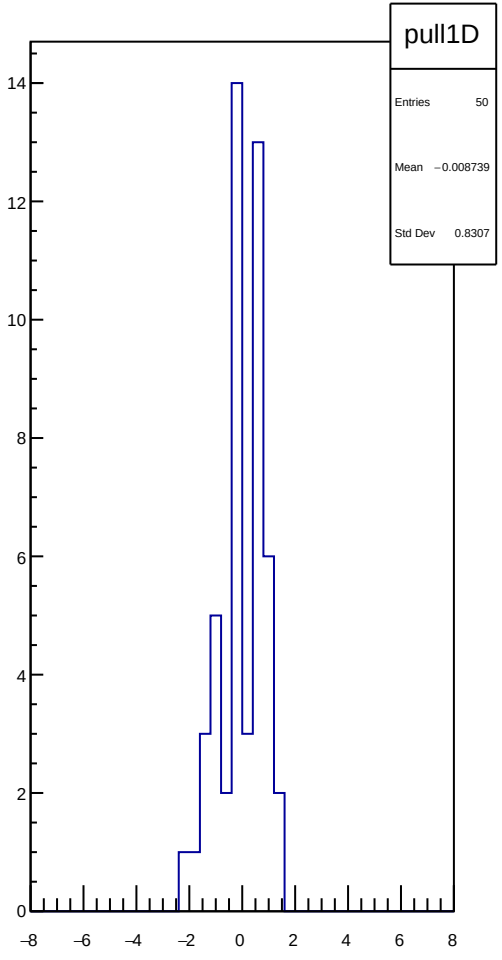
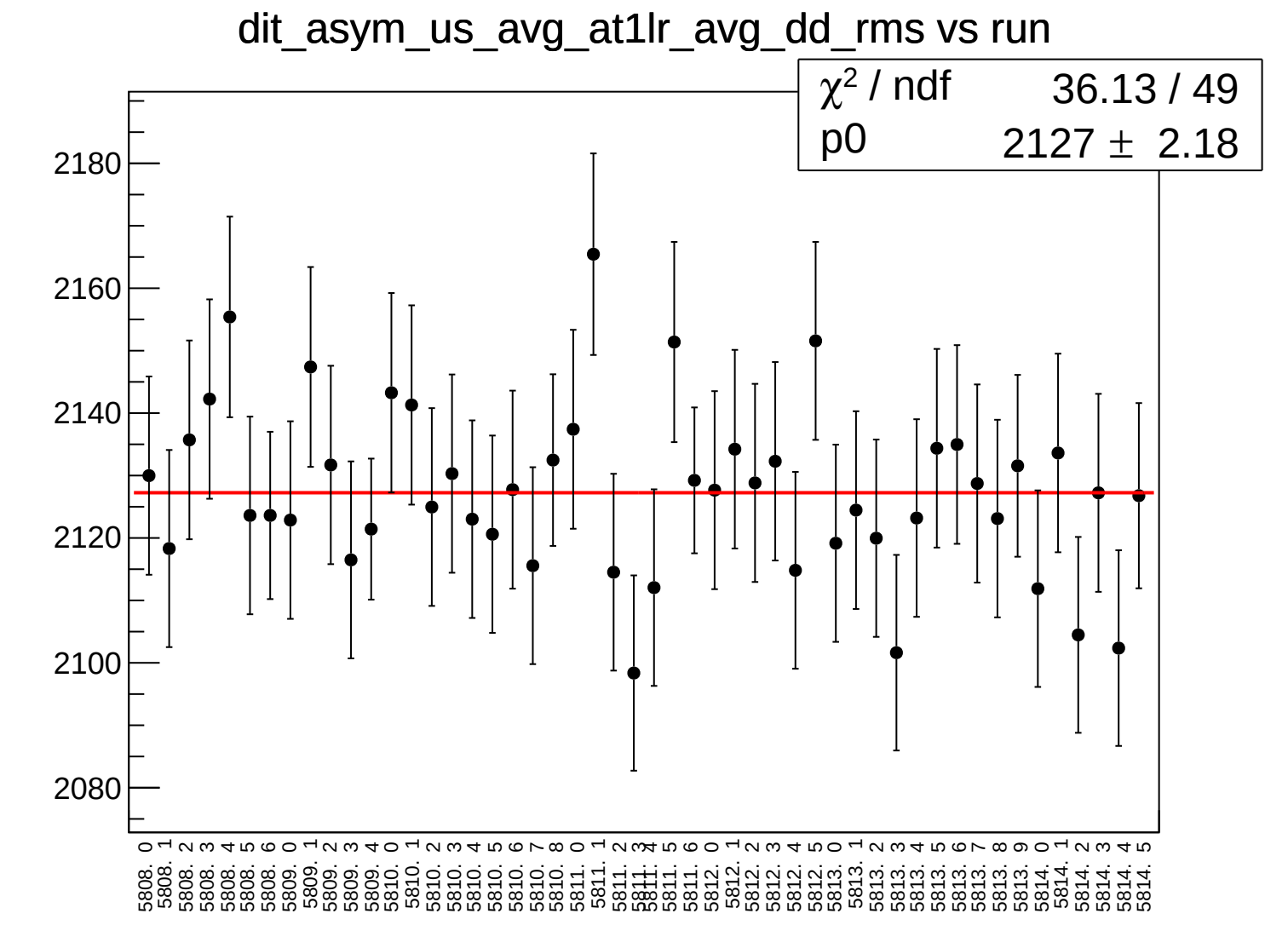
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 34.5 / 49
p0 1187 ± 3083
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 231.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean −0.008739
Std Dev 0.8307
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 36.13 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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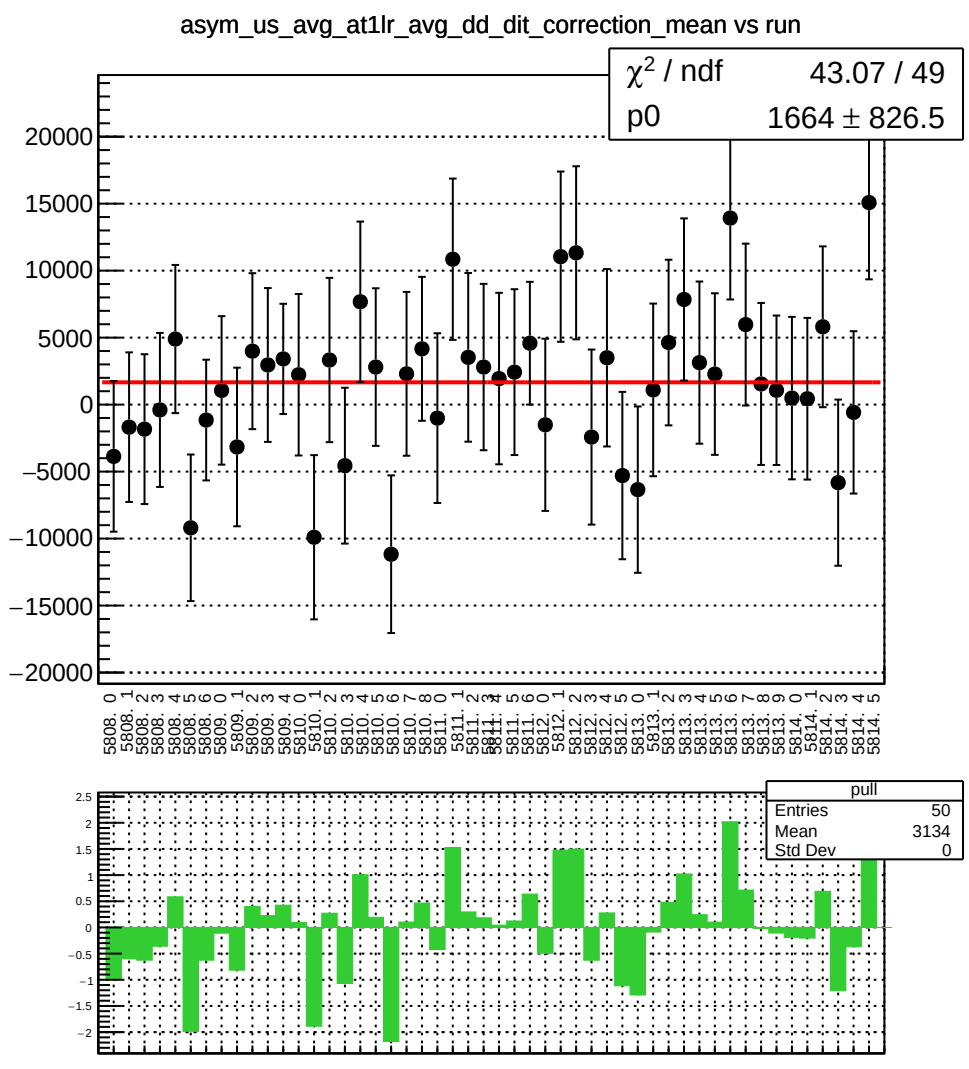
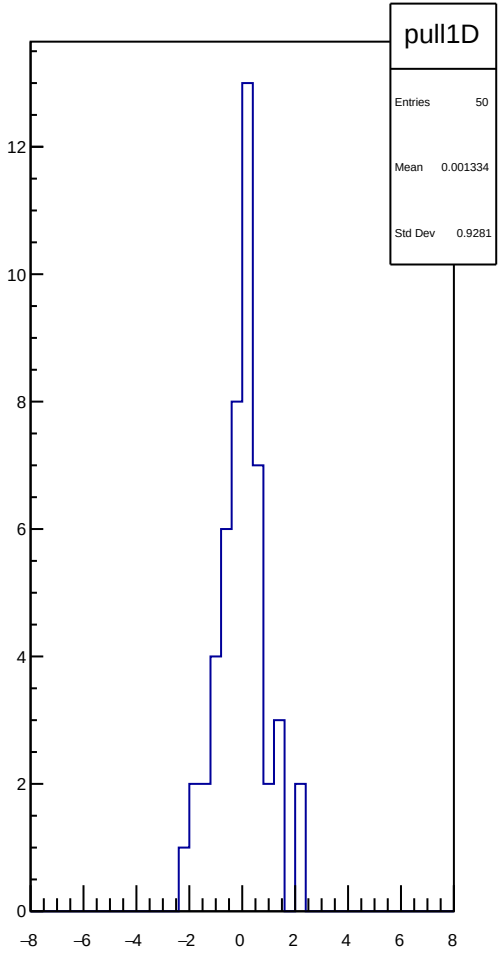
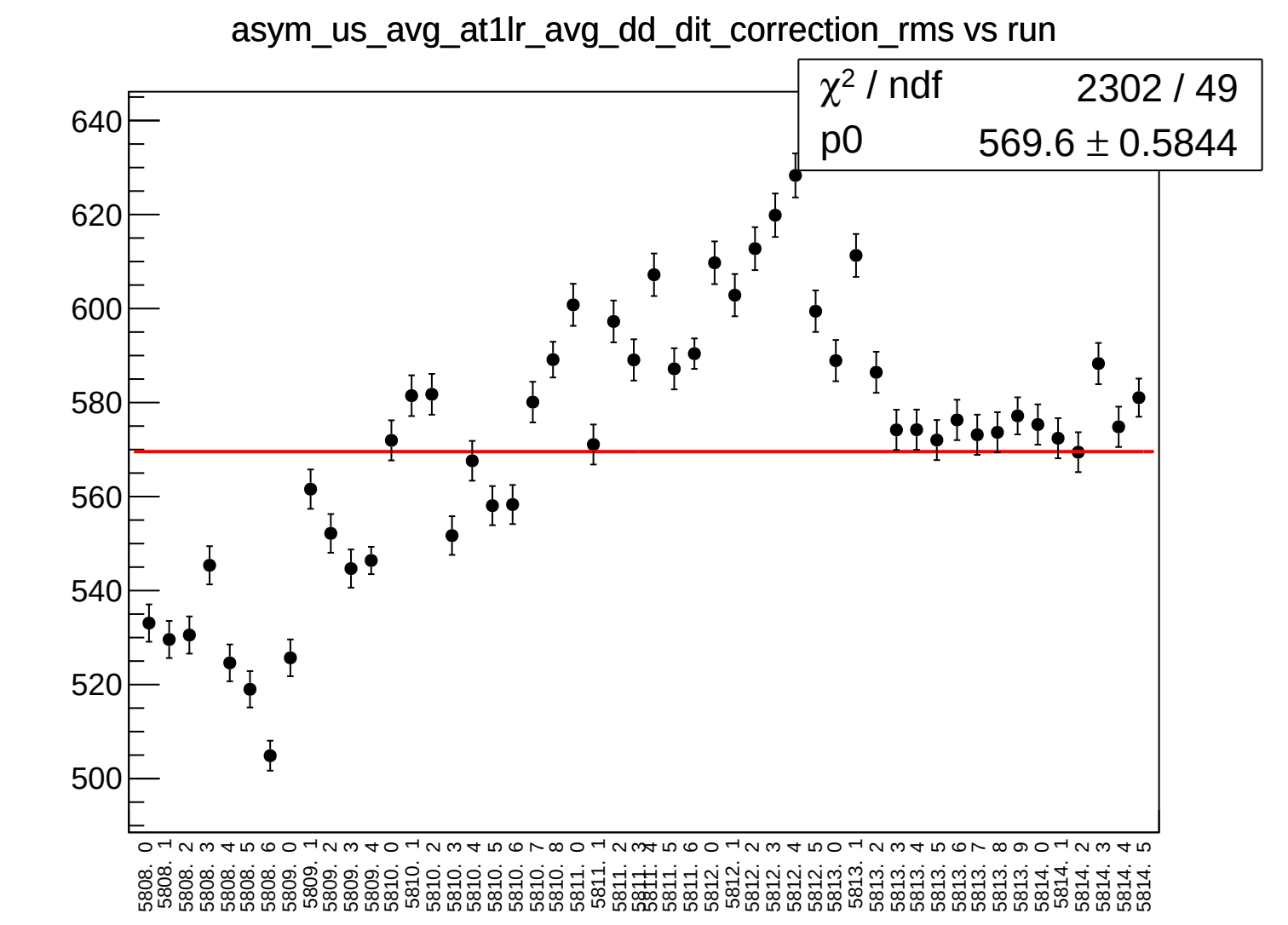
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 43.07 / 49
p0 1664 ± 826.5
pull
Entries 50
Mean 3134
Std Dev 0


pull1D
Entries 50
Mean 0.001334
Std Dev 0.9281


asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 2302 / 49
p0 569.6 ± 0.5844
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
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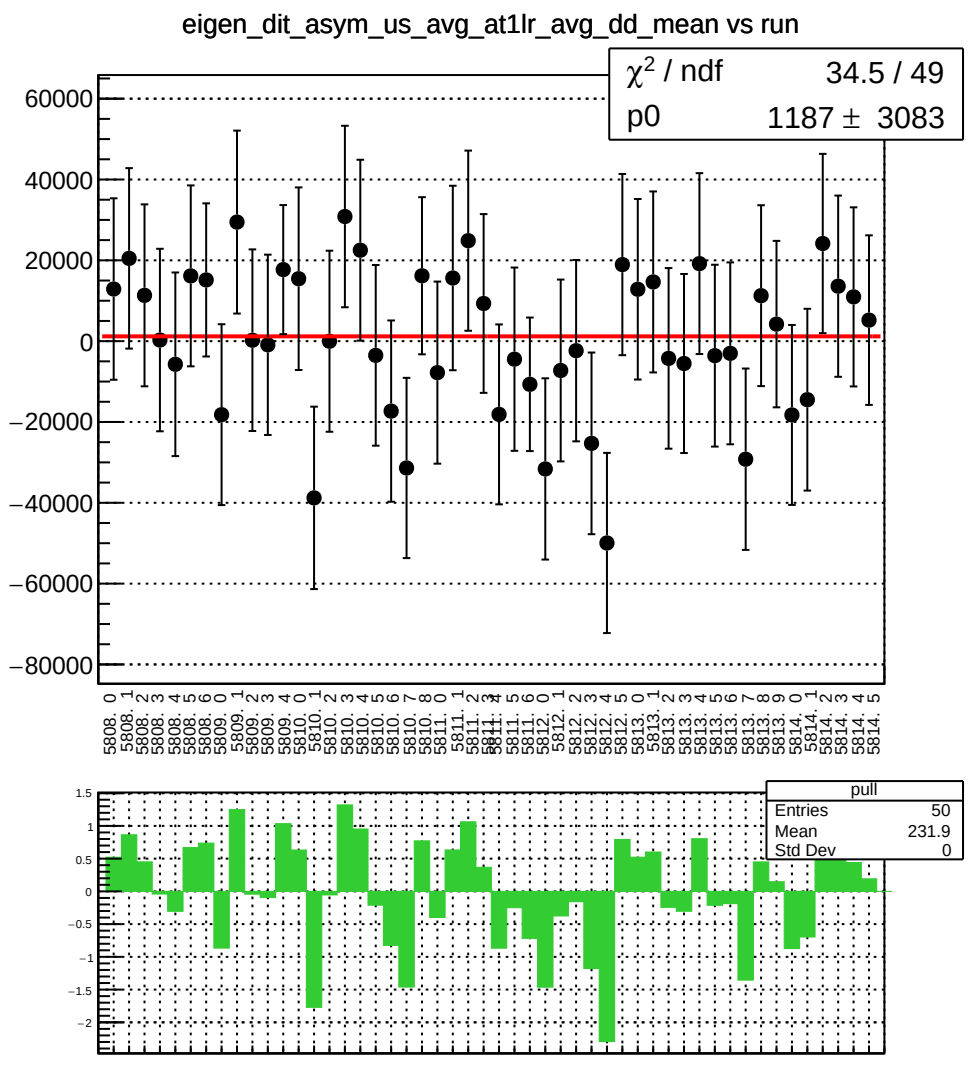
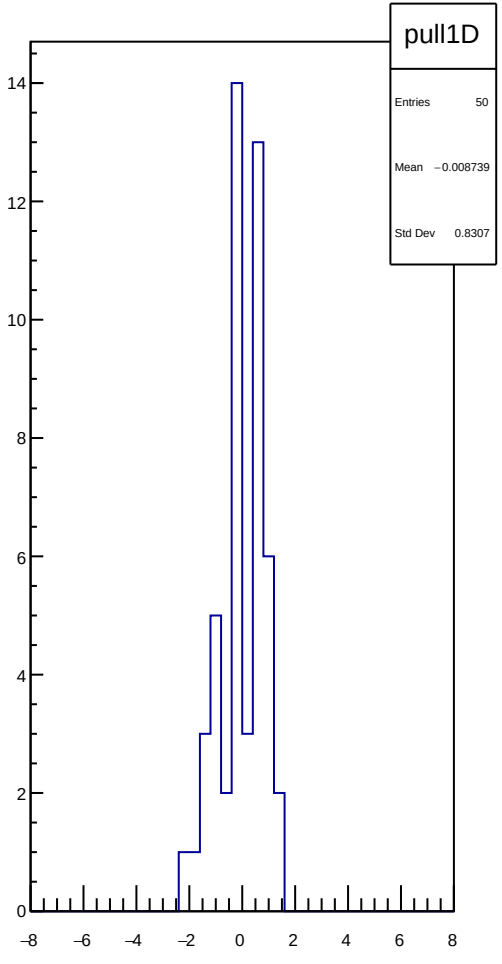
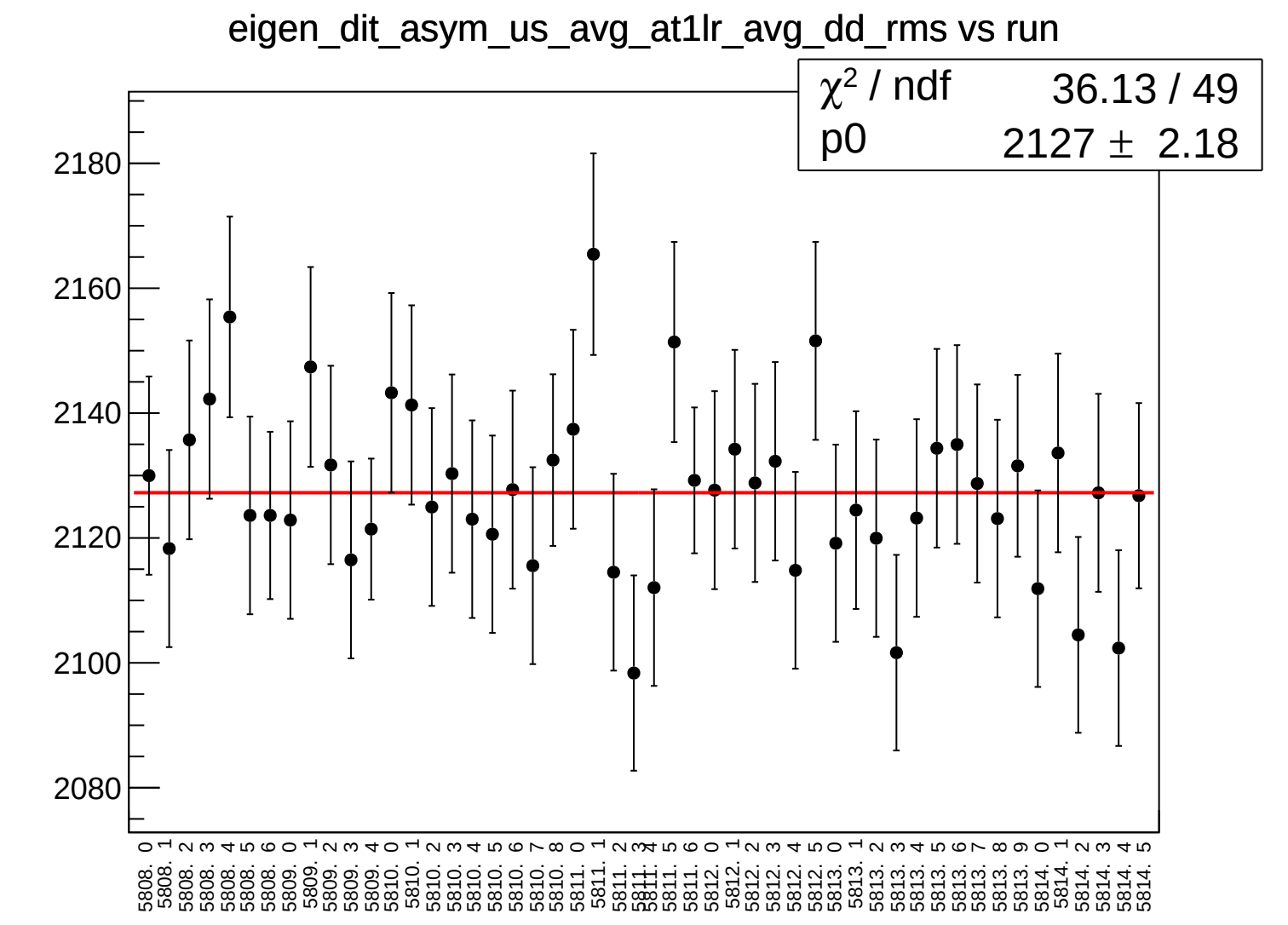
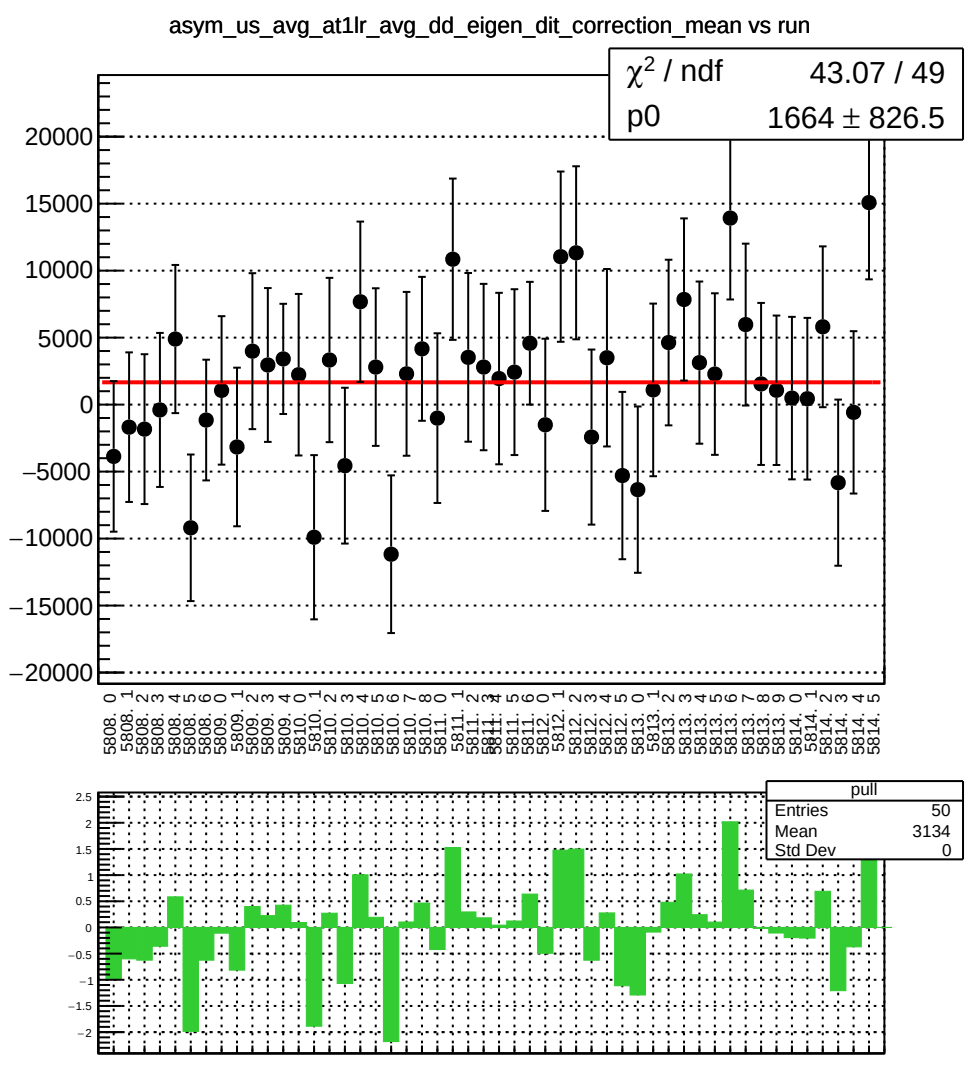
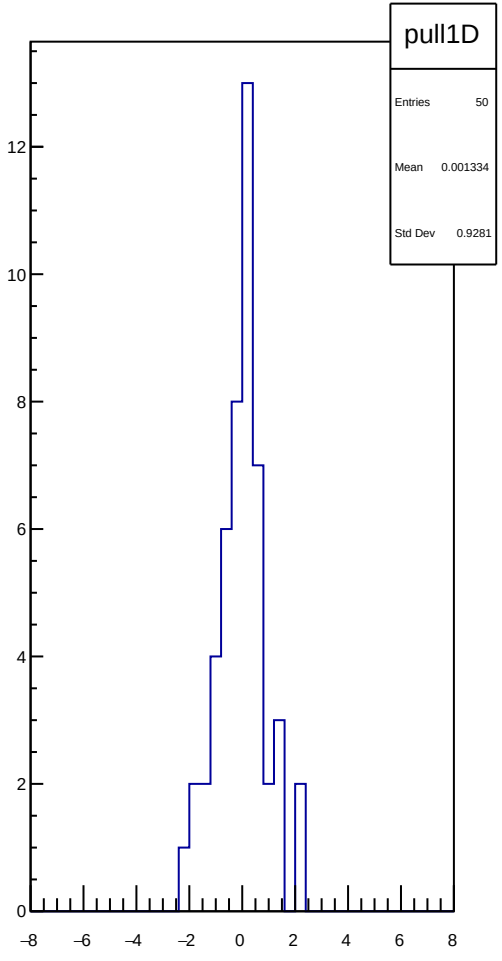
5814. 4
5814. 5

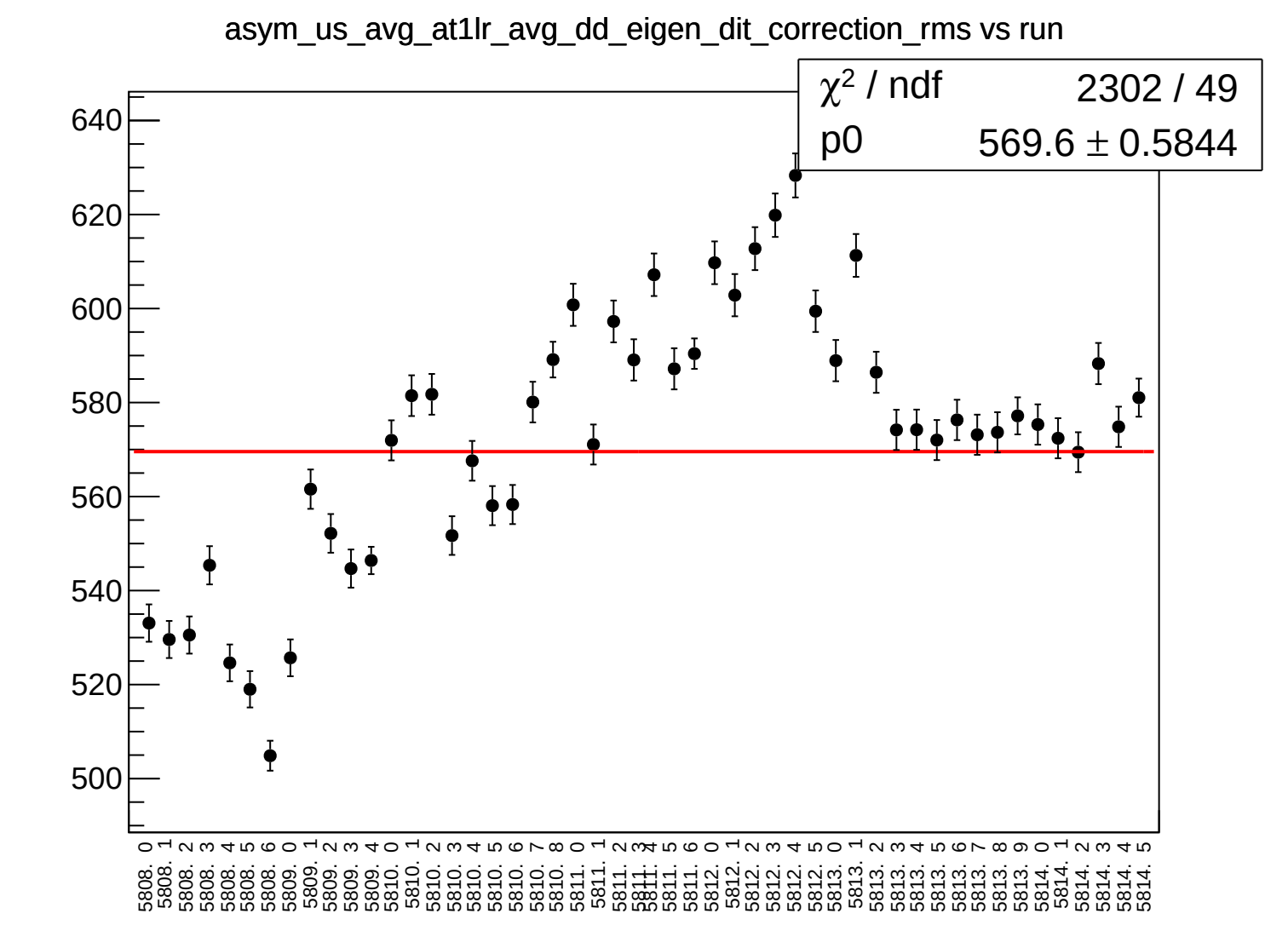

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 34.5 / 49
p0 1187 ± 3083
pull
Entries 50
Mean 231.9
Std Dev 0

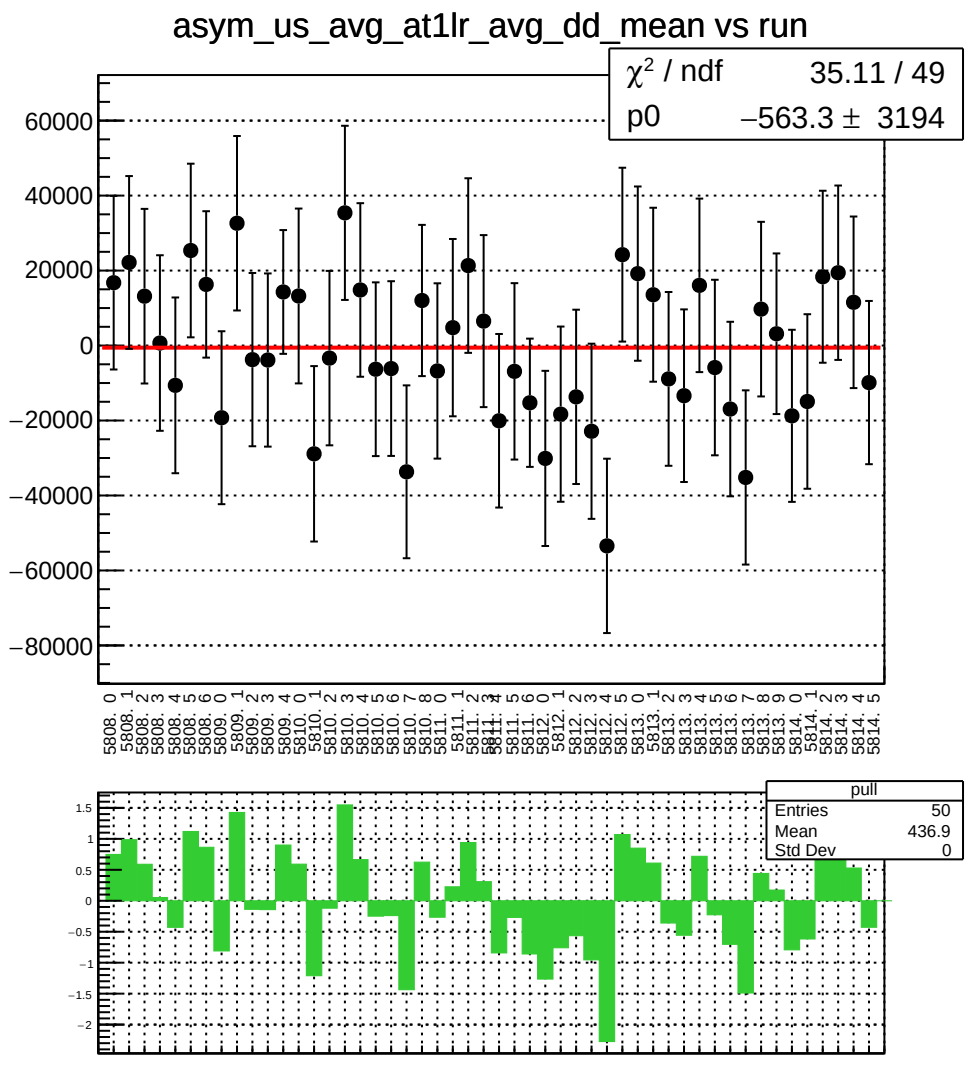

pull1D
Entries 50
Mean −0.008739
Std Dev 0.8307

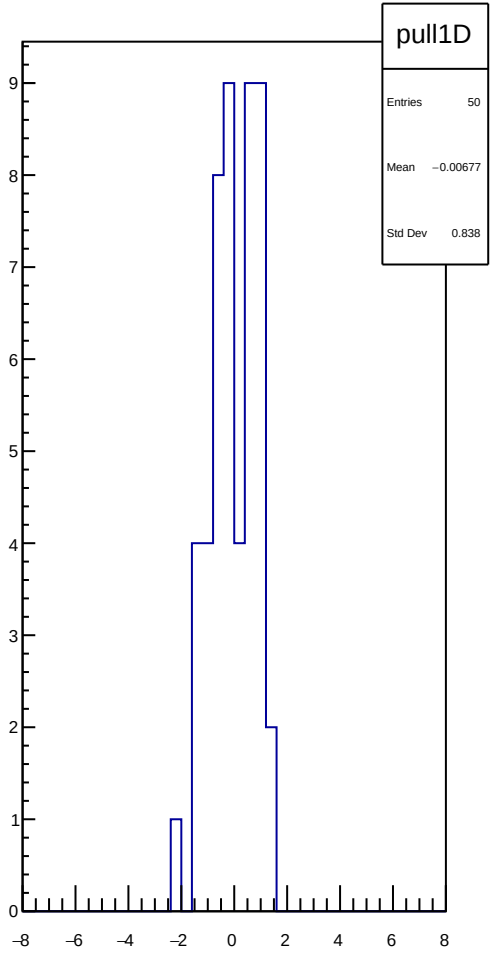

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 36.13 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

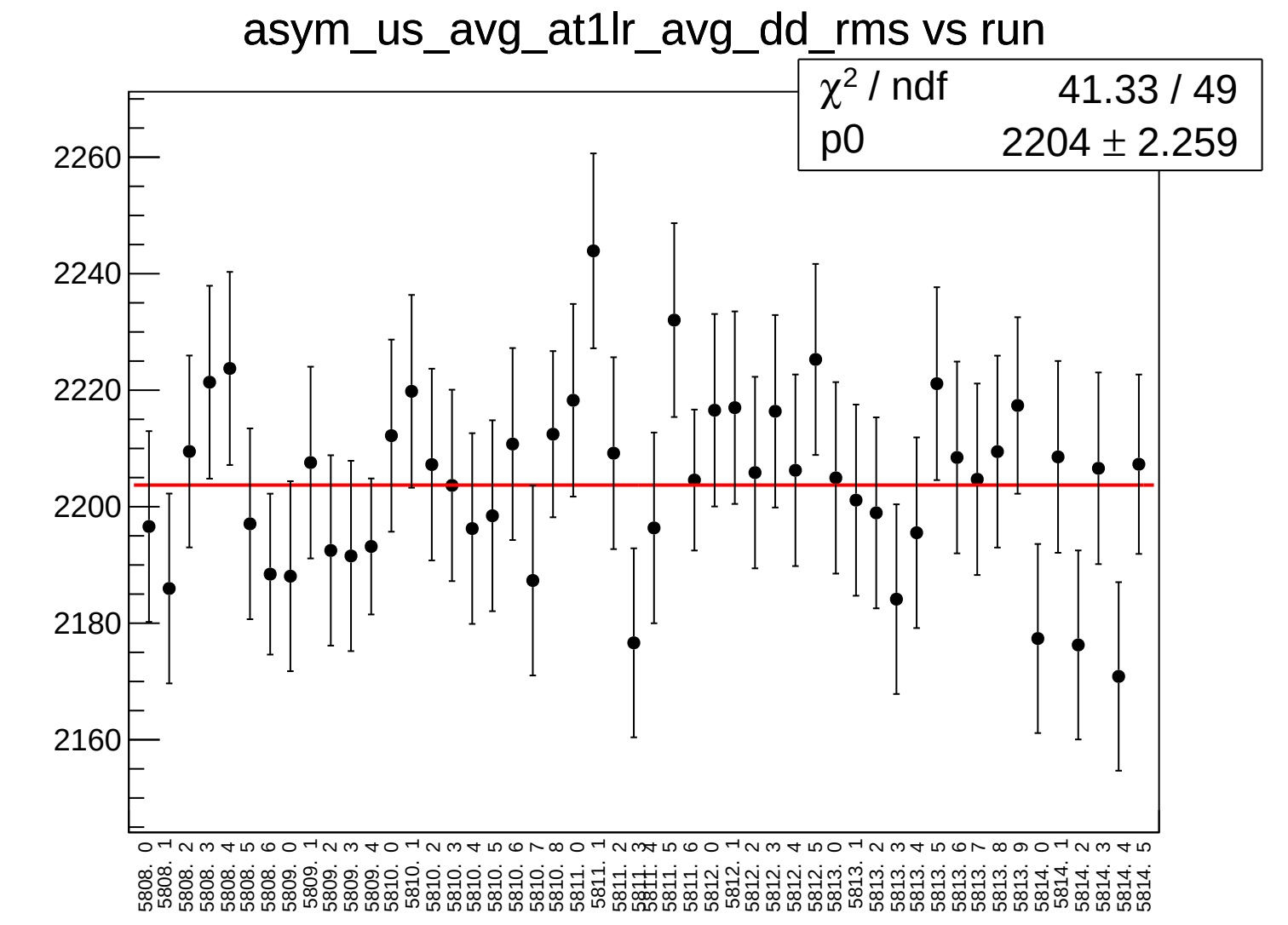

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.07 / 49
p0 1664 ± 826.5
pull
Entries 50
Mean 3134
Std Dev 0

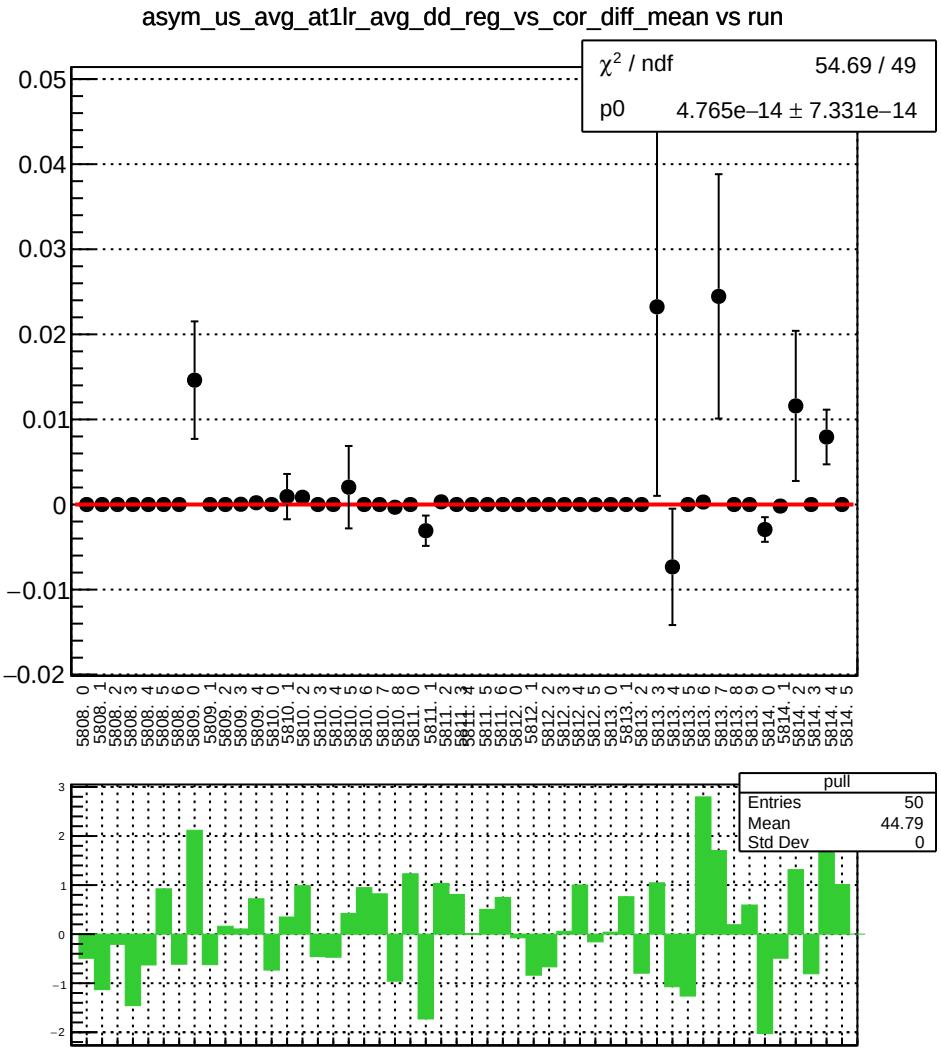

pull1D
Entries 50
Mean 0.001334
Std Dev 0.9281

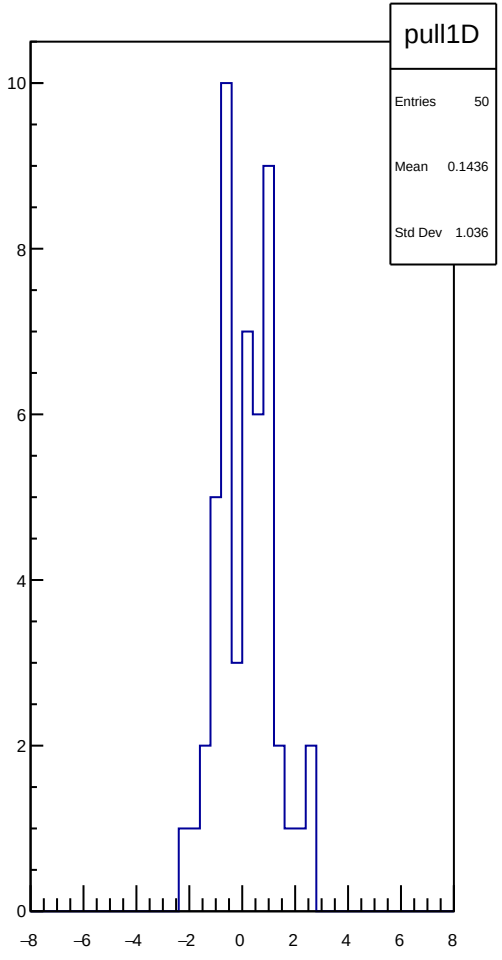

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 2302 / 49
p0 569.6 ± 0.5844
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

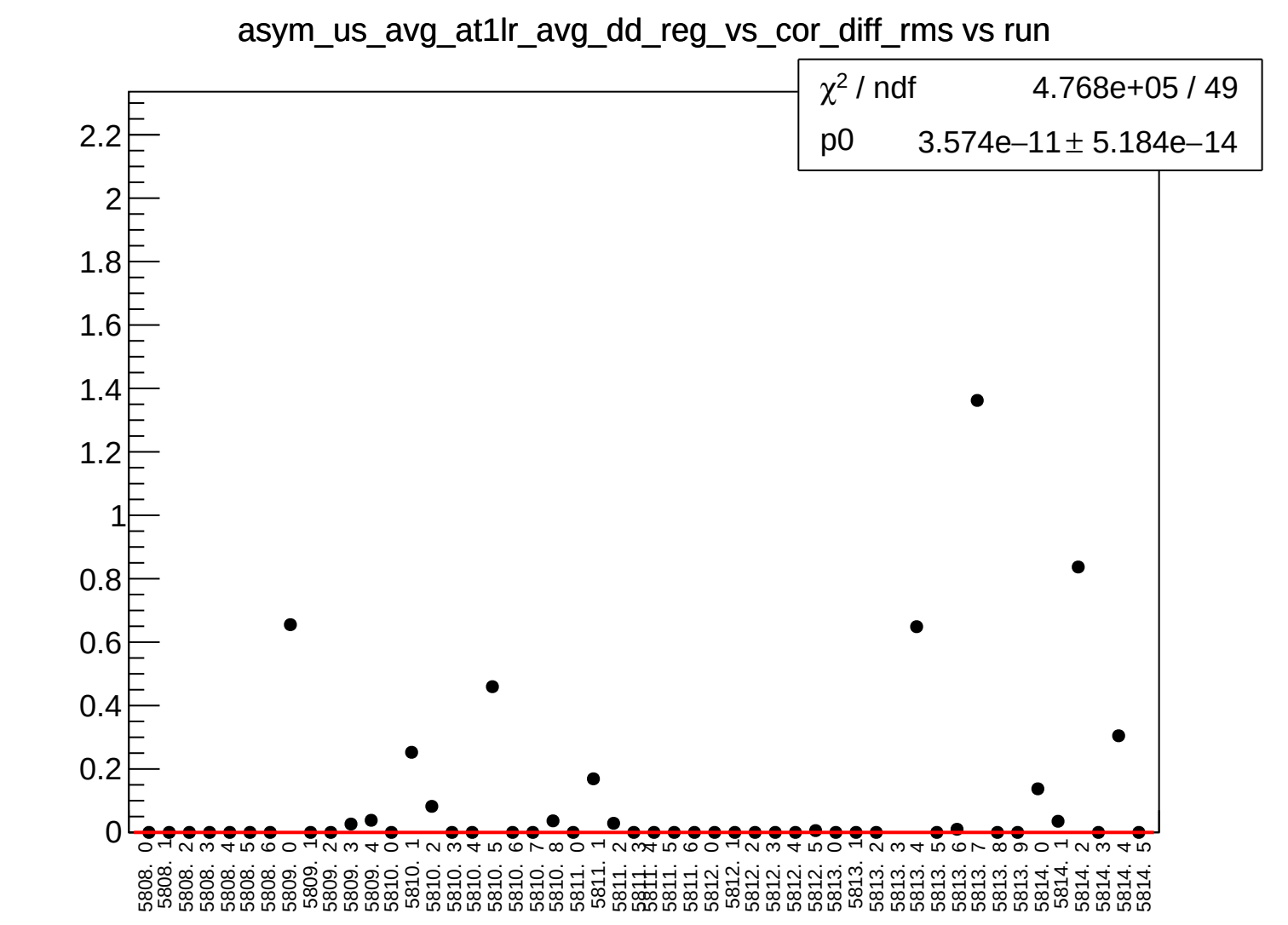

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 35.11 / 49
p0 −563.3 ± 3194
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 436.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

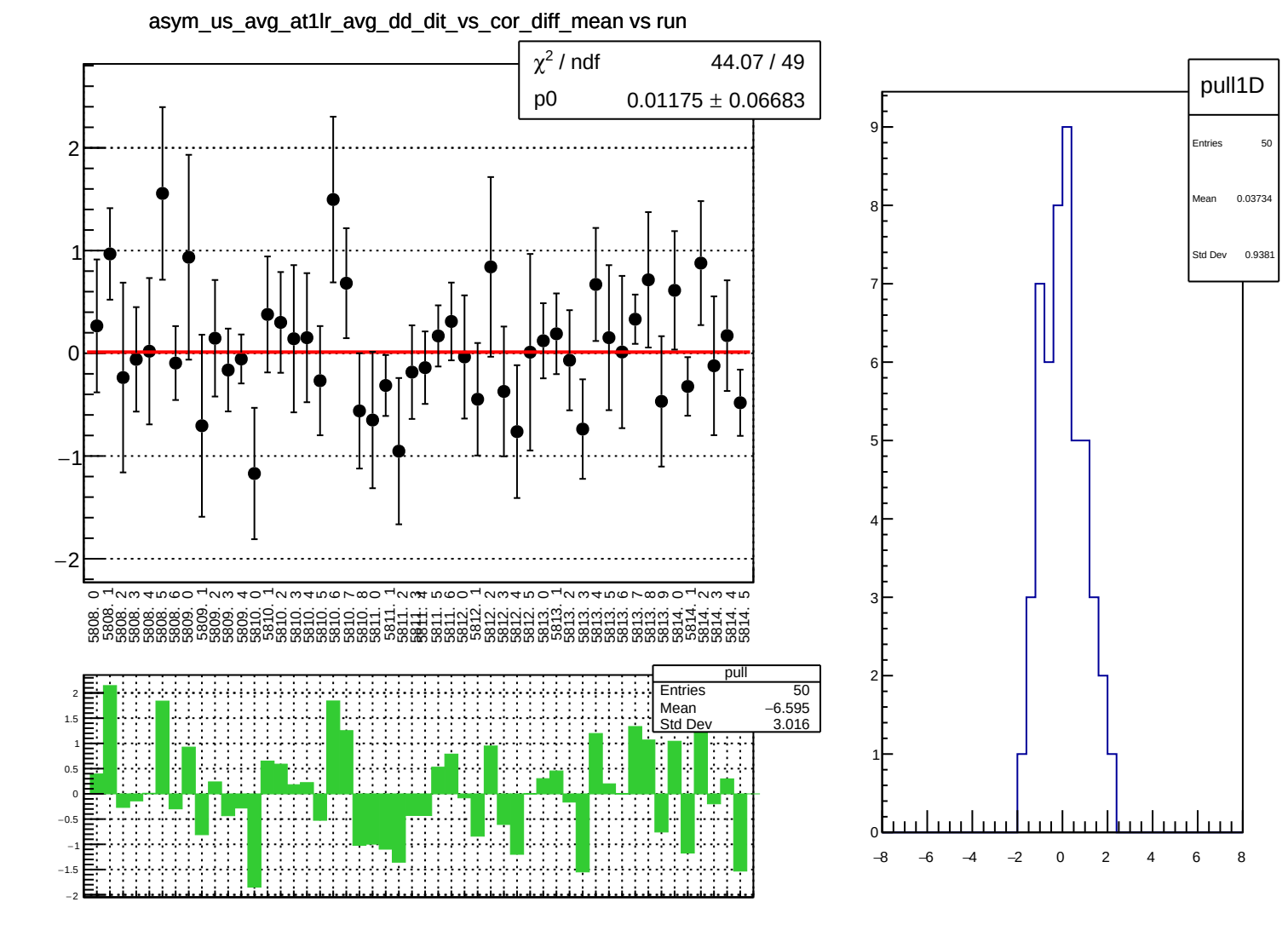

pull1D
Entries 50
Mean −0.00677
Std Dev 0.838
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

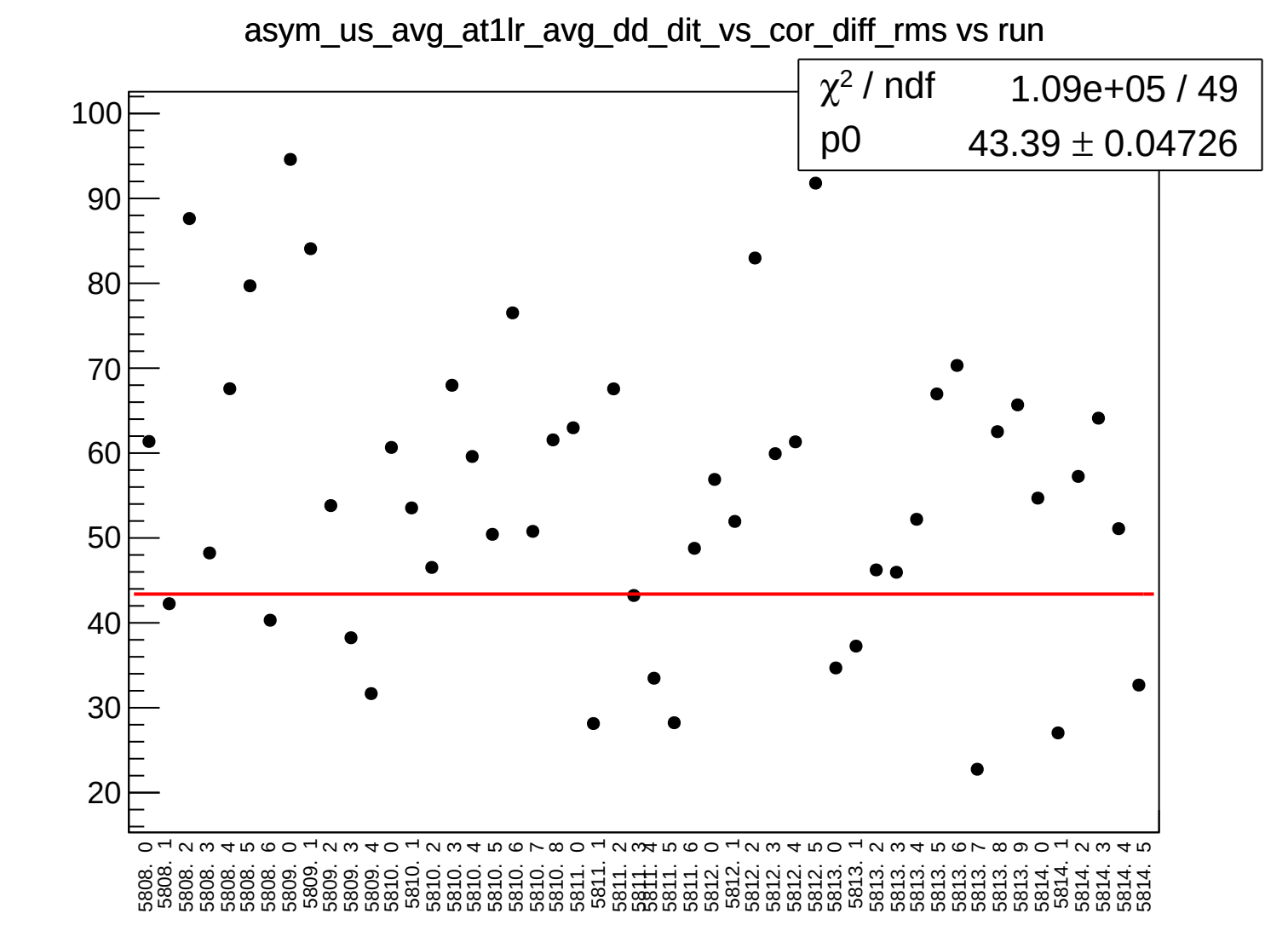

asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 41.33 / 49
p0 2204 ± 2.259
2260
2240
2220
2200
2180
2160
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

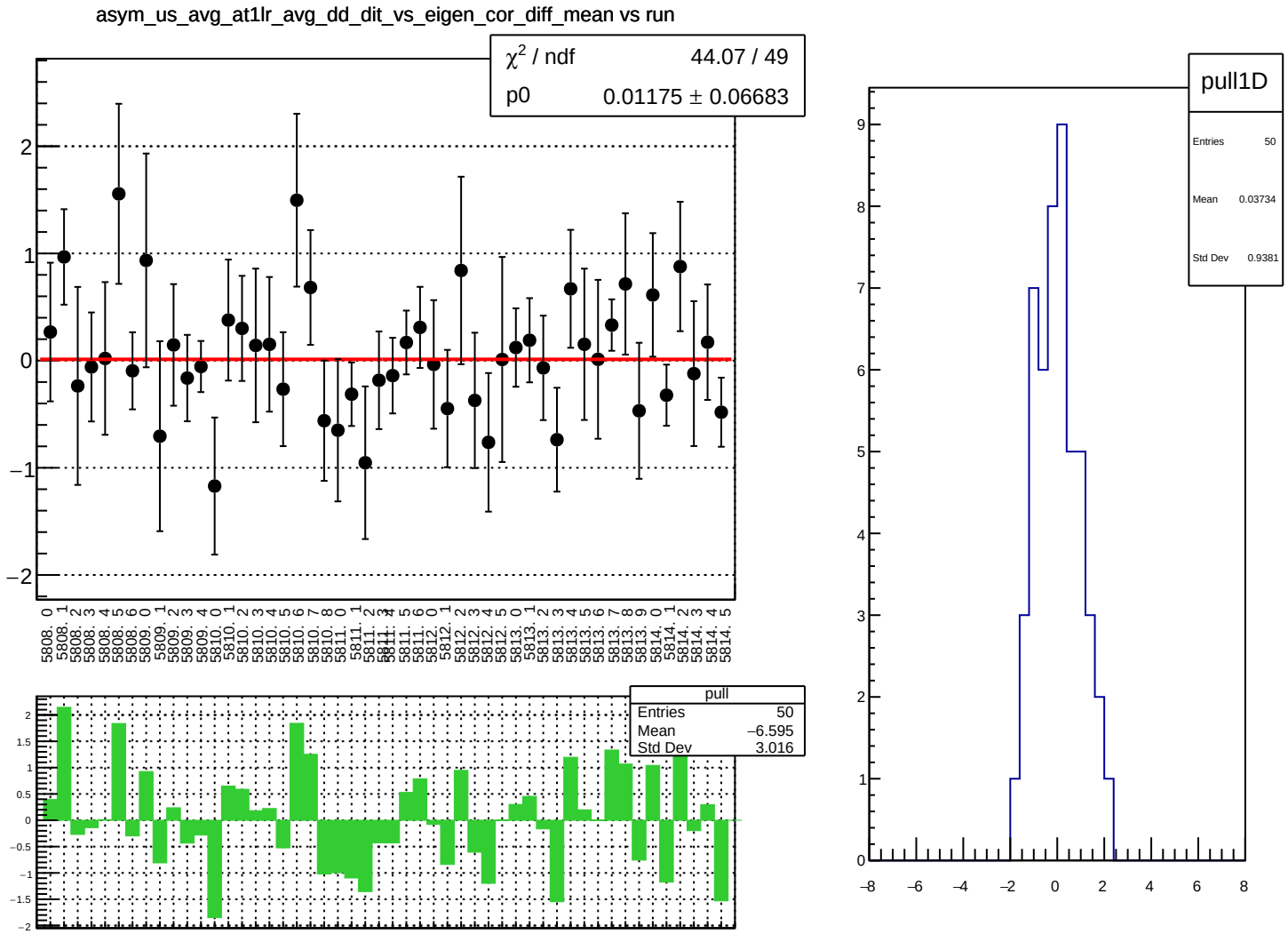

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.69 / 49
p0 4.765e−14 ± 7.331e−14
pull
Entries 50
Mean 44.79
Std Dev 0

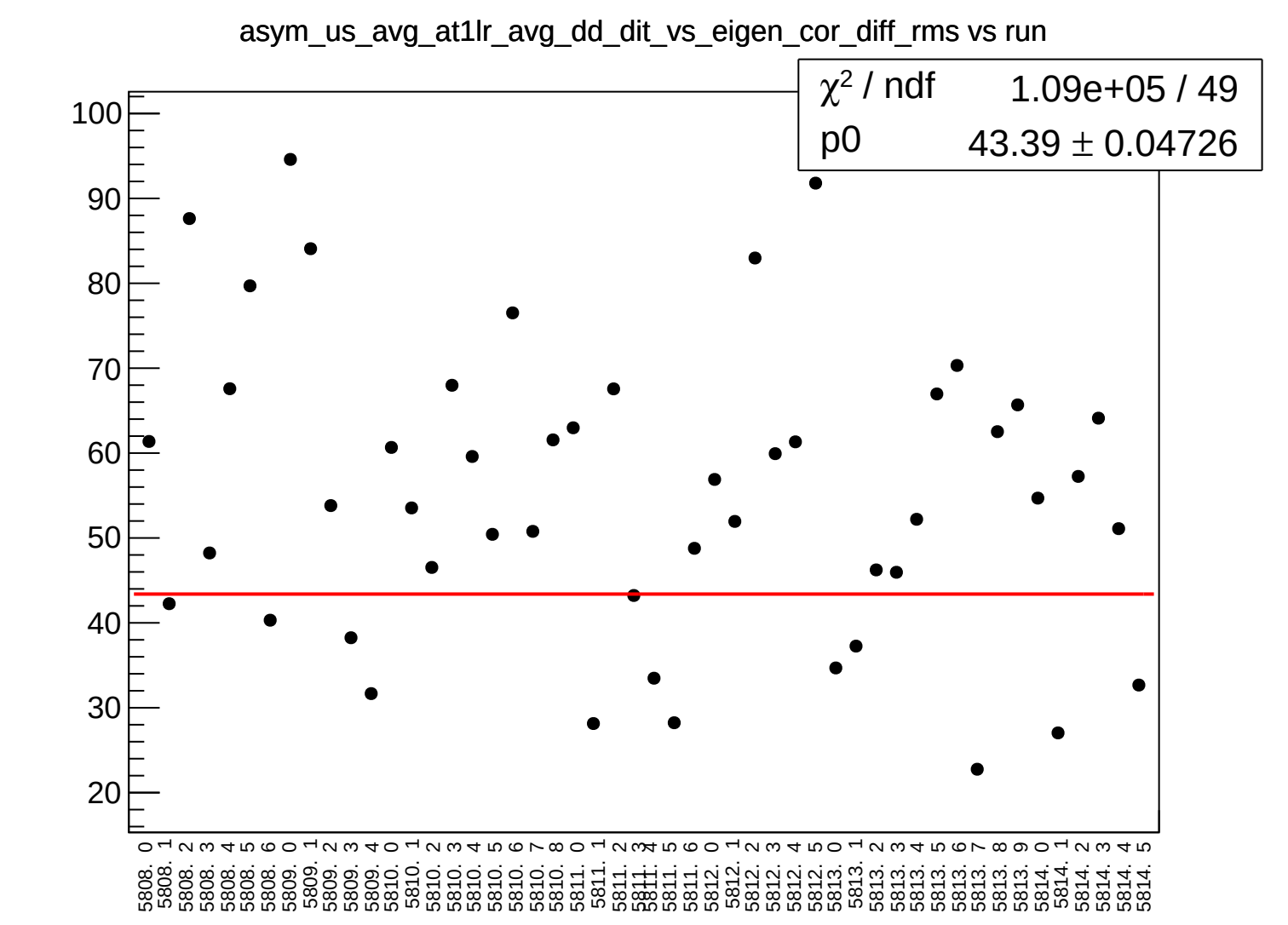

pull1D
Entries 50
Mean 0.1436
Std Dev 1.036

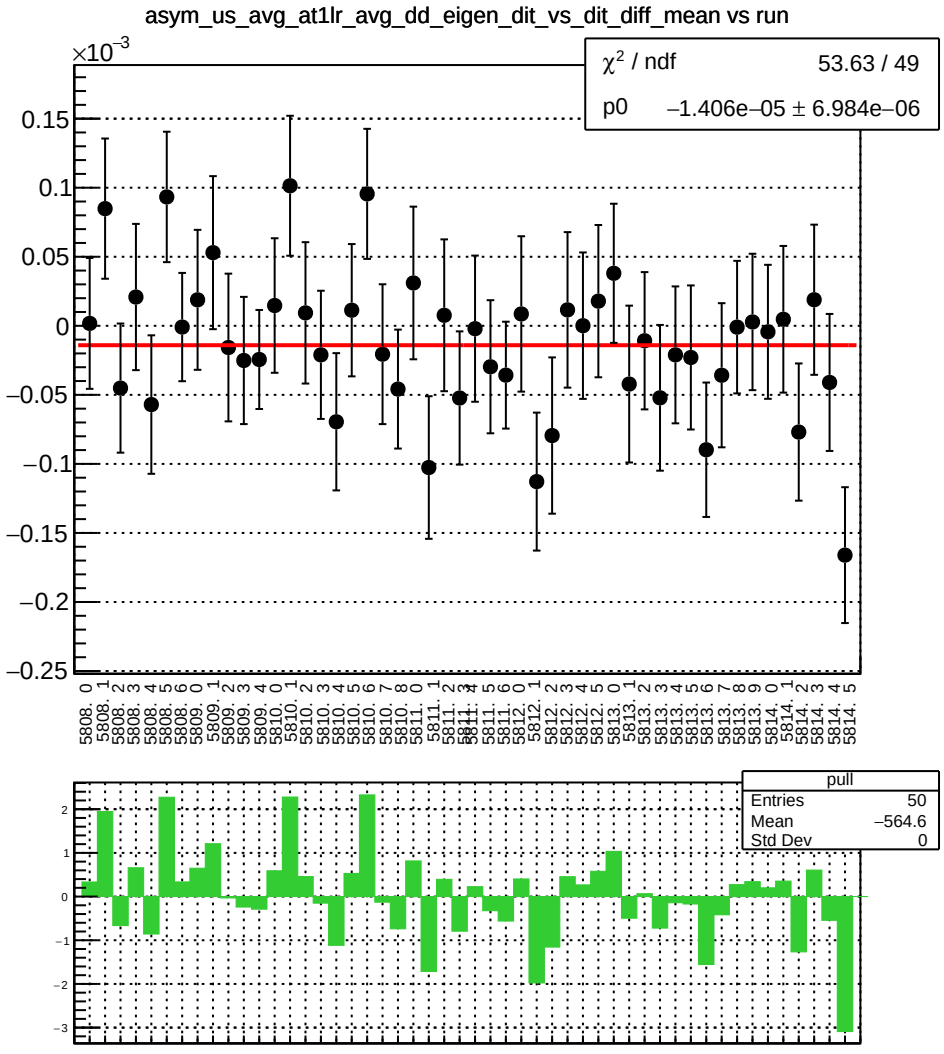

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.768e+05 / 49
p0 3.574e−11 ± 5.184e−14
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

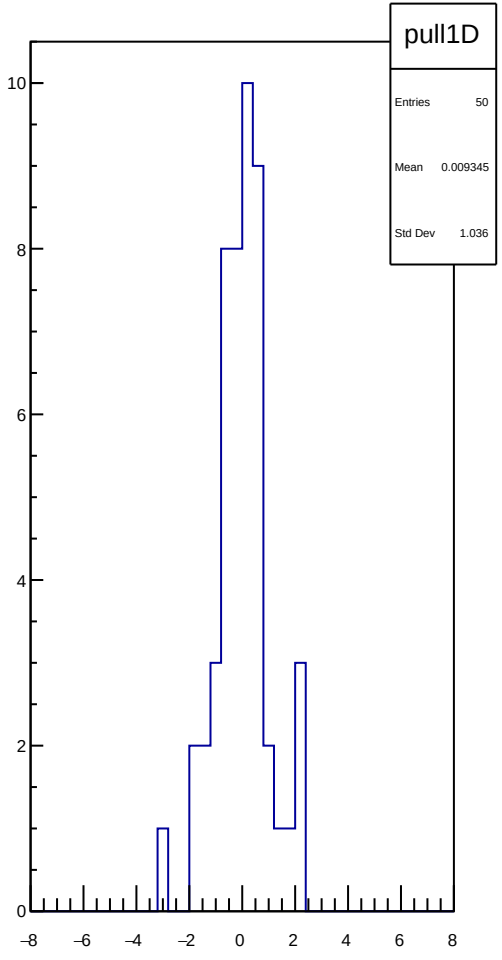

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.07 / 49
p0 0.01175 ± 0.06683
pull
Entries 50
Mean −6.595
Std Dev 3.016
pull1D
Entries 50
Mean 0.03734
Std Dev 0.9381

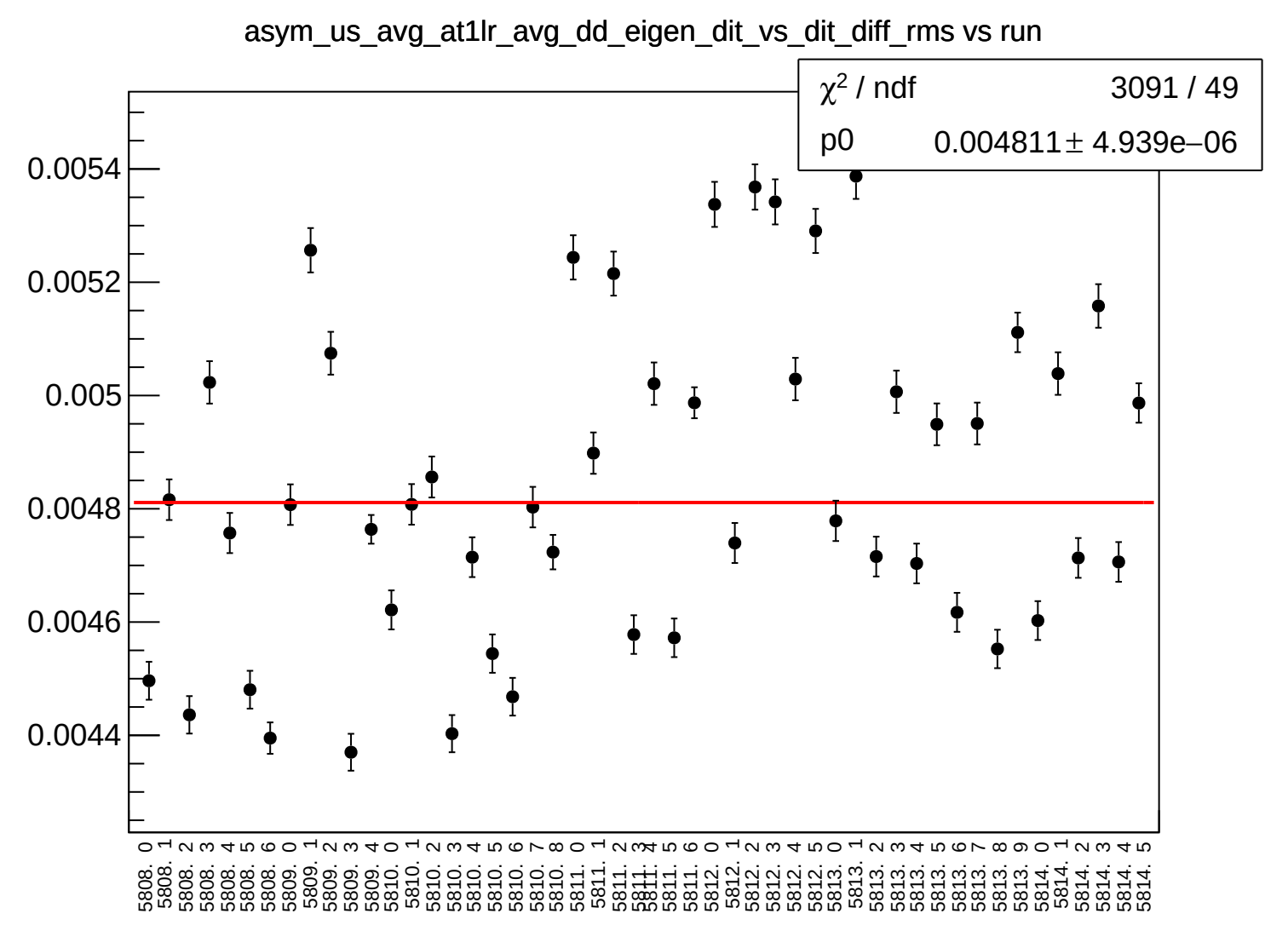

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.09e+05 / 49
p0 43.39 ± 0.04726
100
90
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

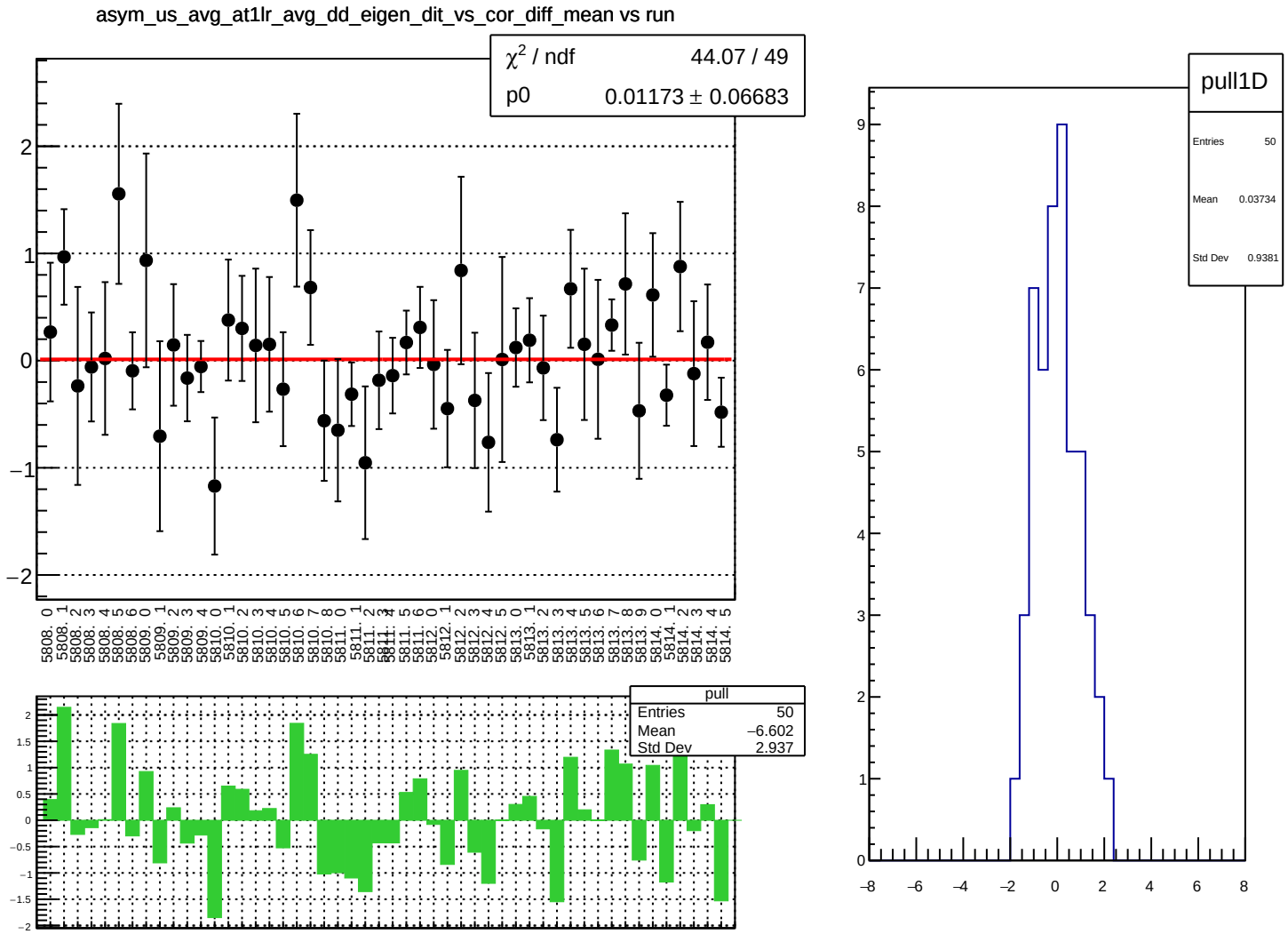

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.07 / 49
p0 0.01175 ± 0.06683
pull
Entries 50
Mean −6.595
Std Dev 3.016
pull1D
Entries 50
Mean 0.03734
Std Dev 0.9381

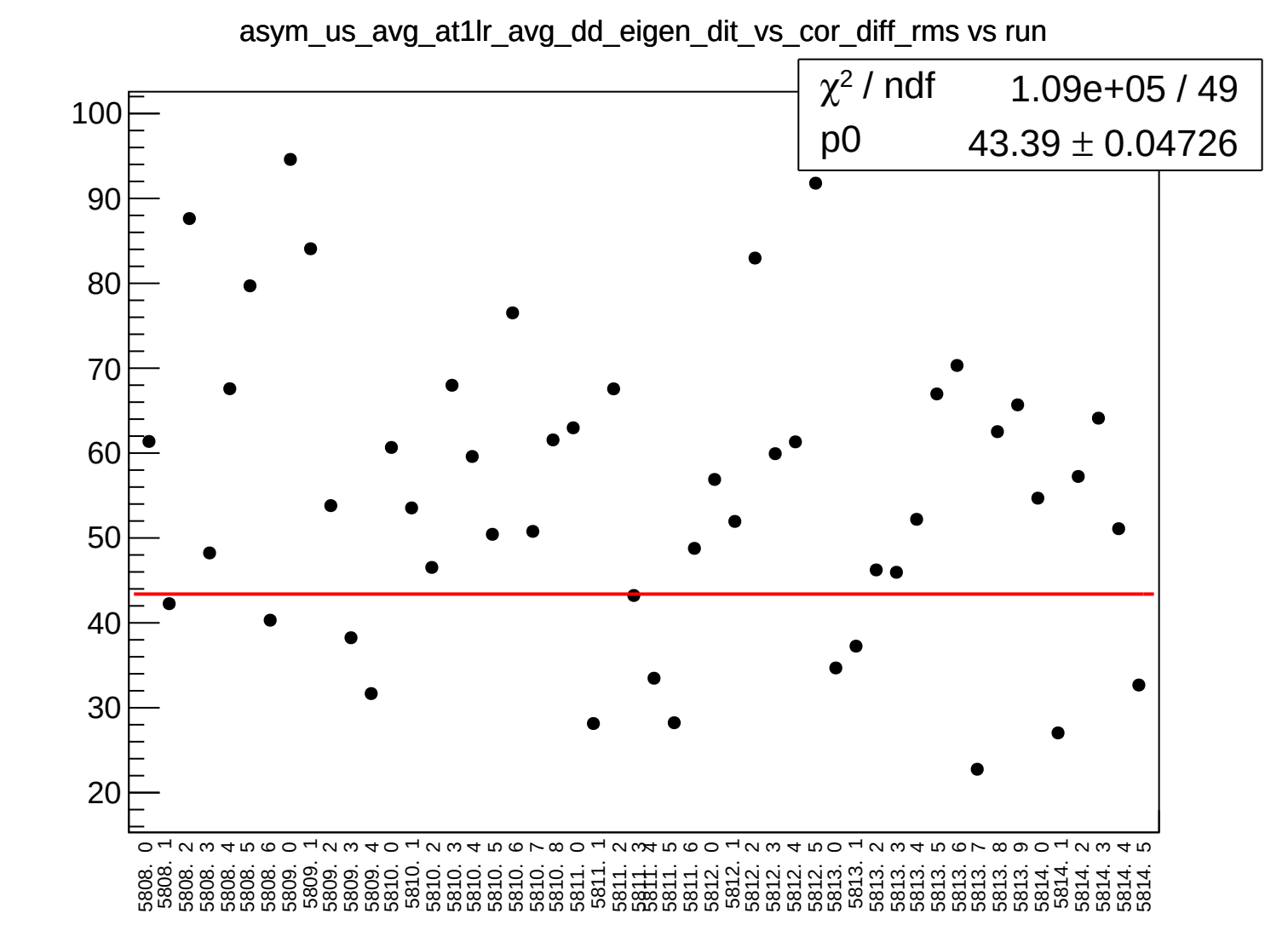

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.09e+05 / 49
p0 43.39 ± 0.04726
100
90
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

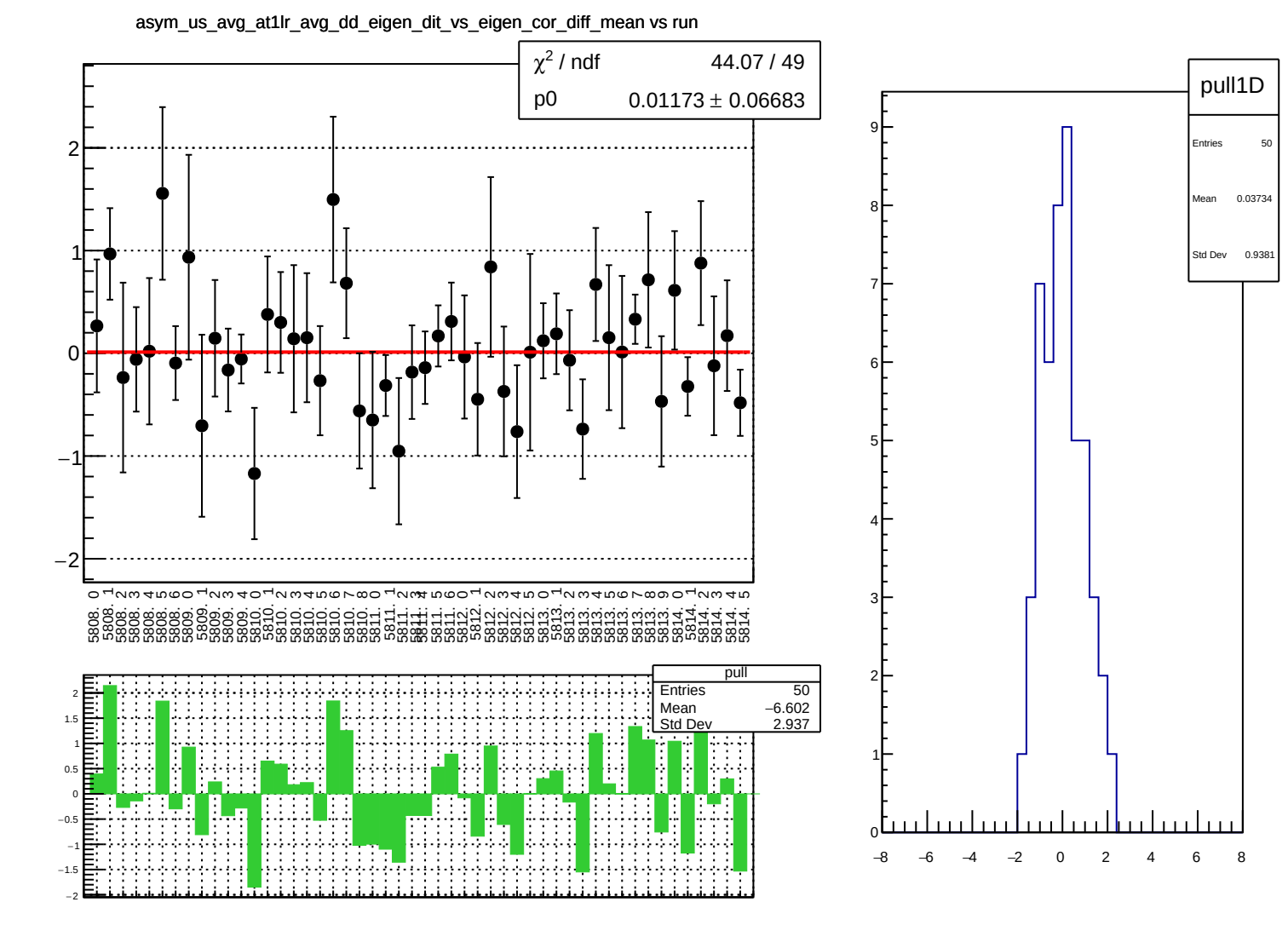

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.63 / 49
p0 −1.406e−05 ± 6.984e−06
pull
Entries 50
Mean −564.6
Std Dev 0

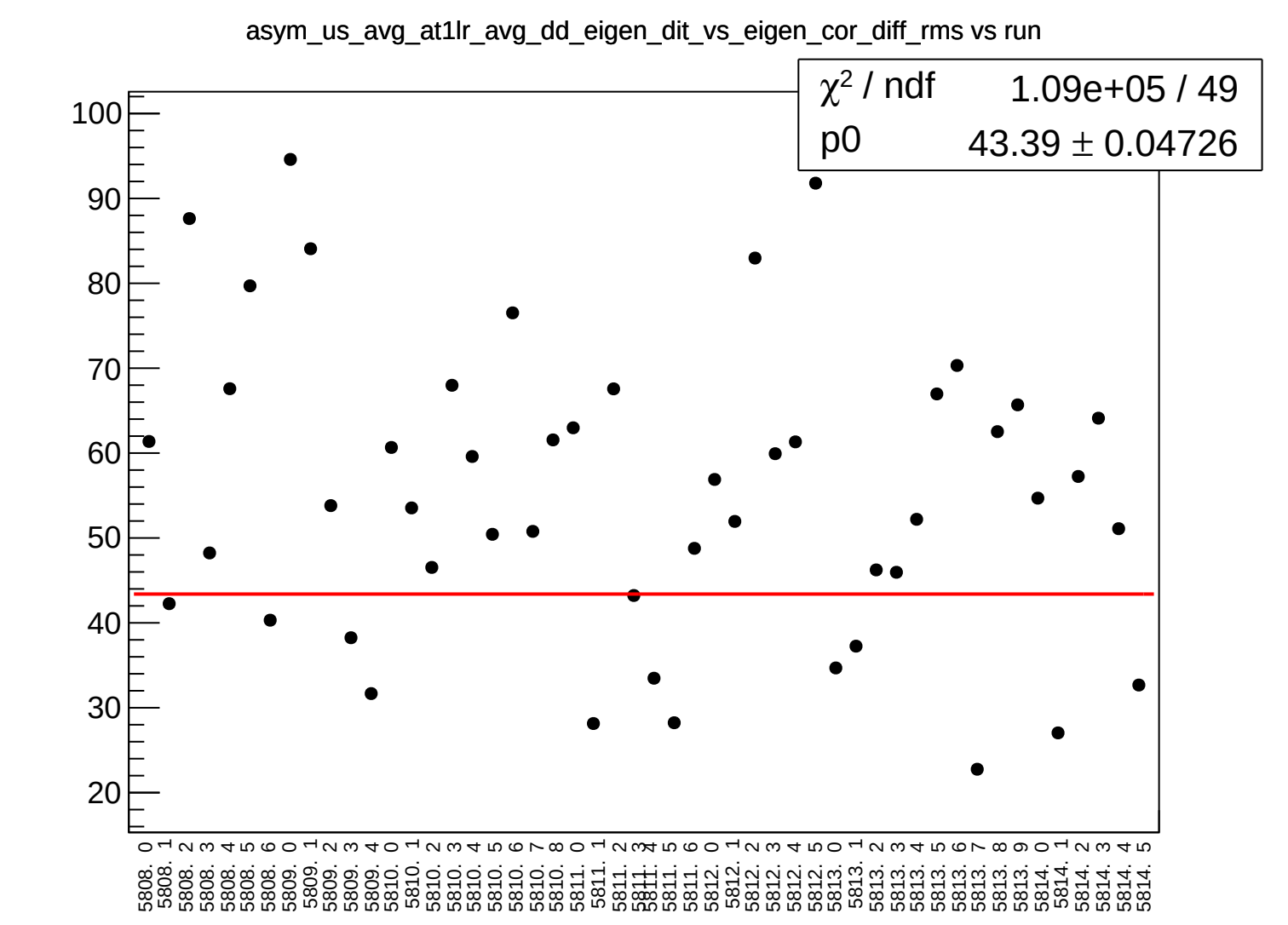

pull1D
Entries 50
Mean 0.009345
Std Dev 1.036

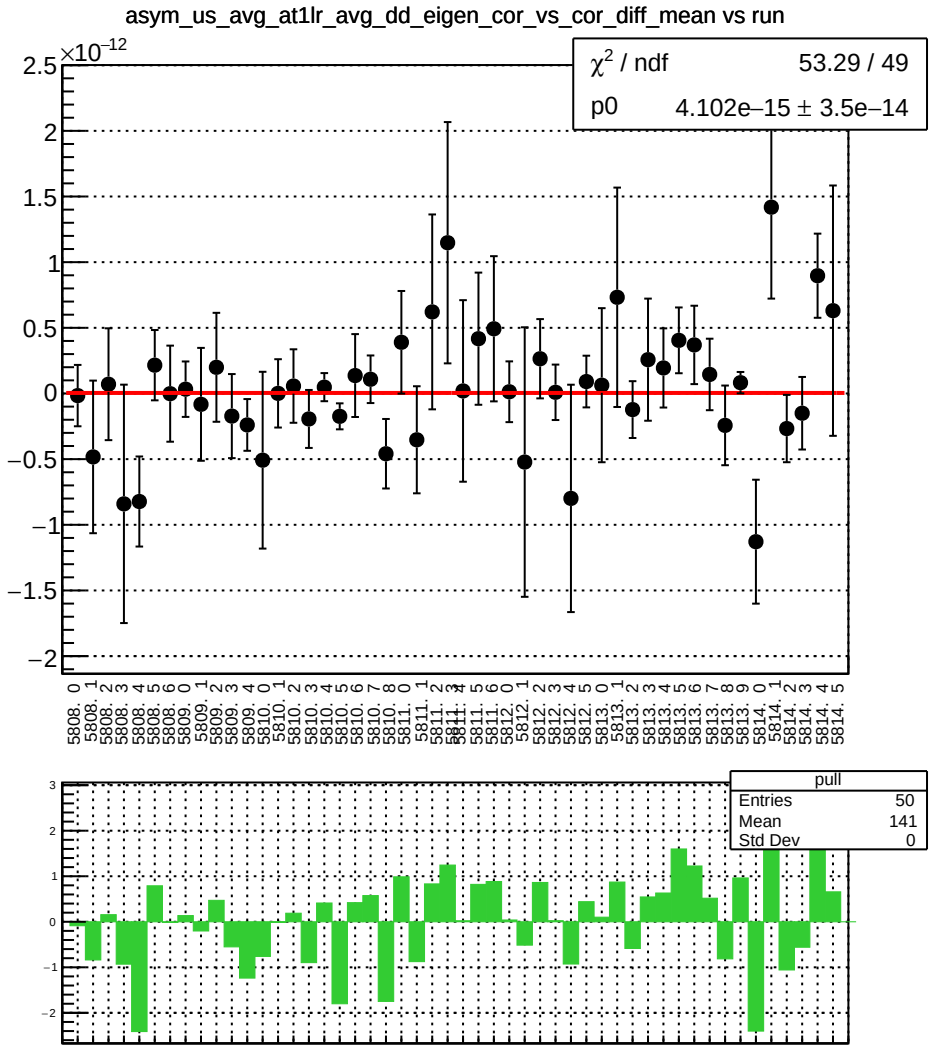

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3091 / 49
p0 0.004811 ± 4.939e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

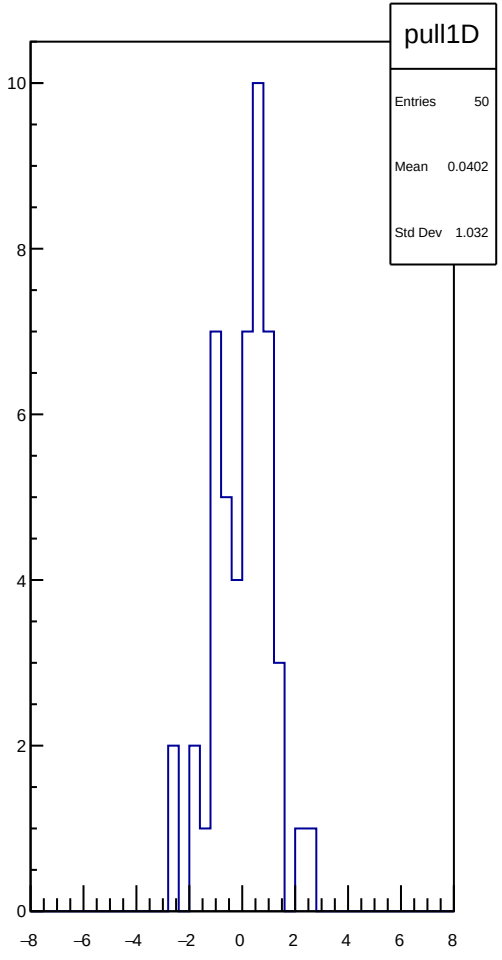

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.07 / 49
p0 0.01173 ± 0.06683
pull
Entries 50
Mean −6.602
Std Dev 2.937
pull1D
Entries 50
Mean 0.03734
Std Dev 0.9381

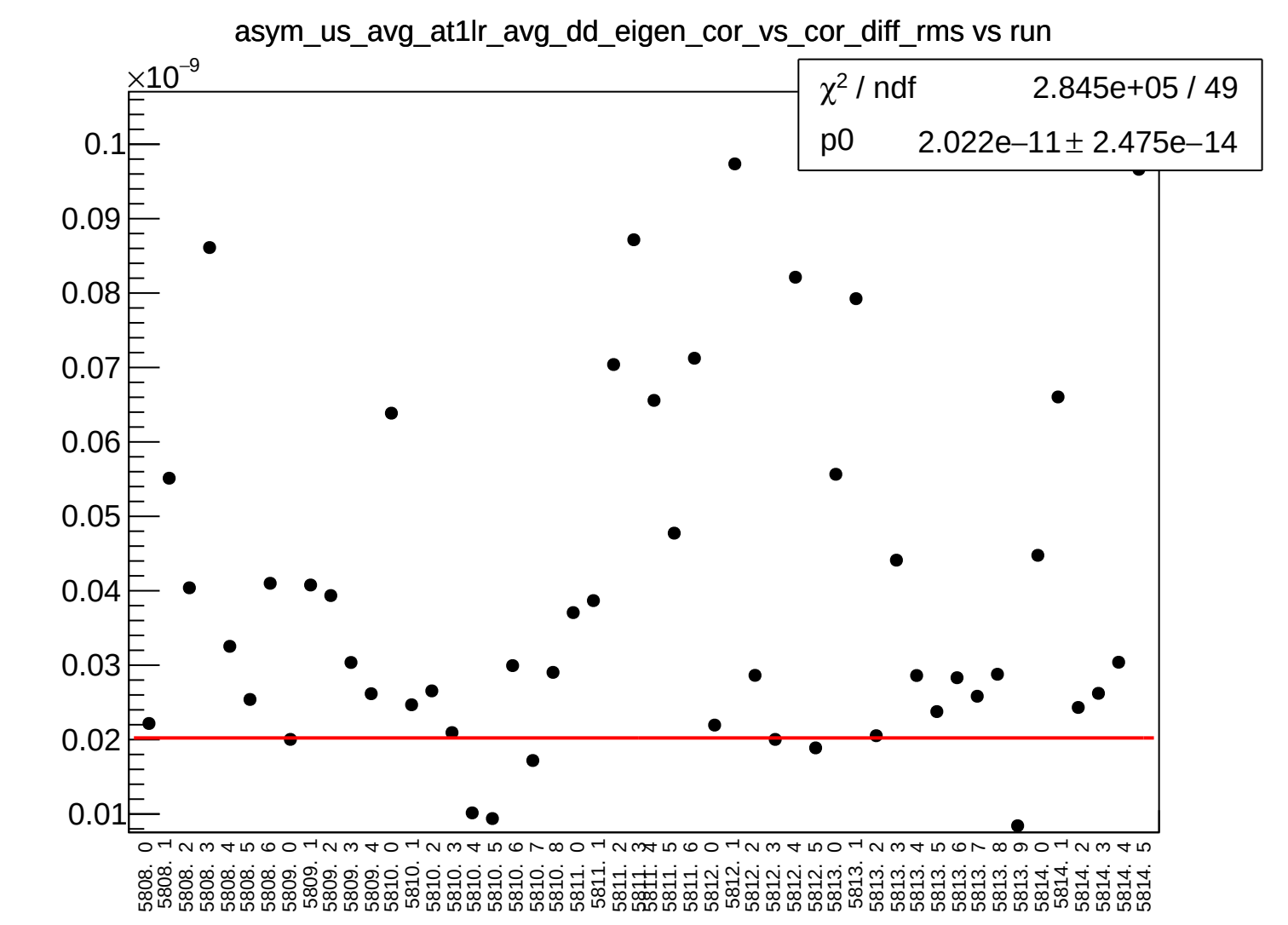

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.09e+05 / 49
p0 43.39 ± 0.04726
100
90
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

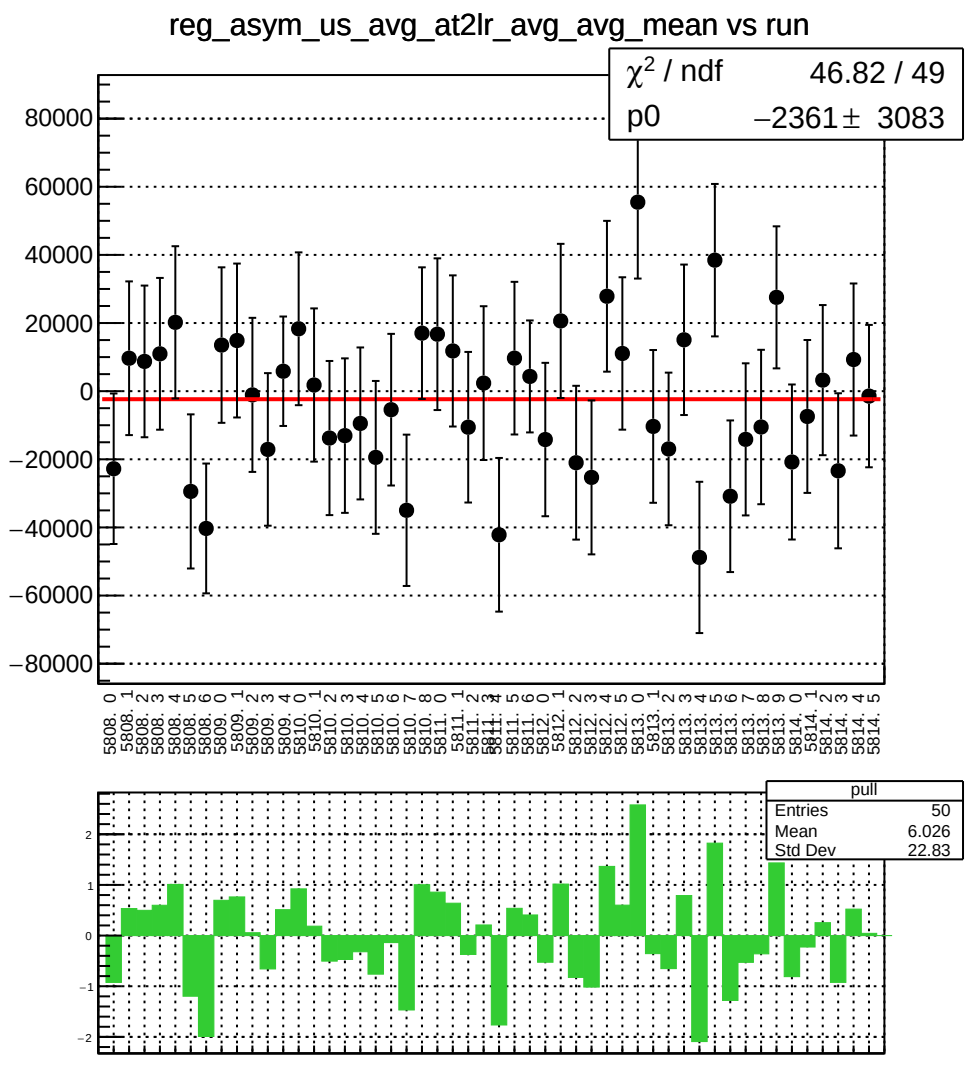

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.07 / 49
p0 0.01173 ± 0.06683
pull
Entries 50
Mean −6.602
Std Dev 2.937
pull1D
Entries 50
Mean 0.03734
Std Dev 0.9381

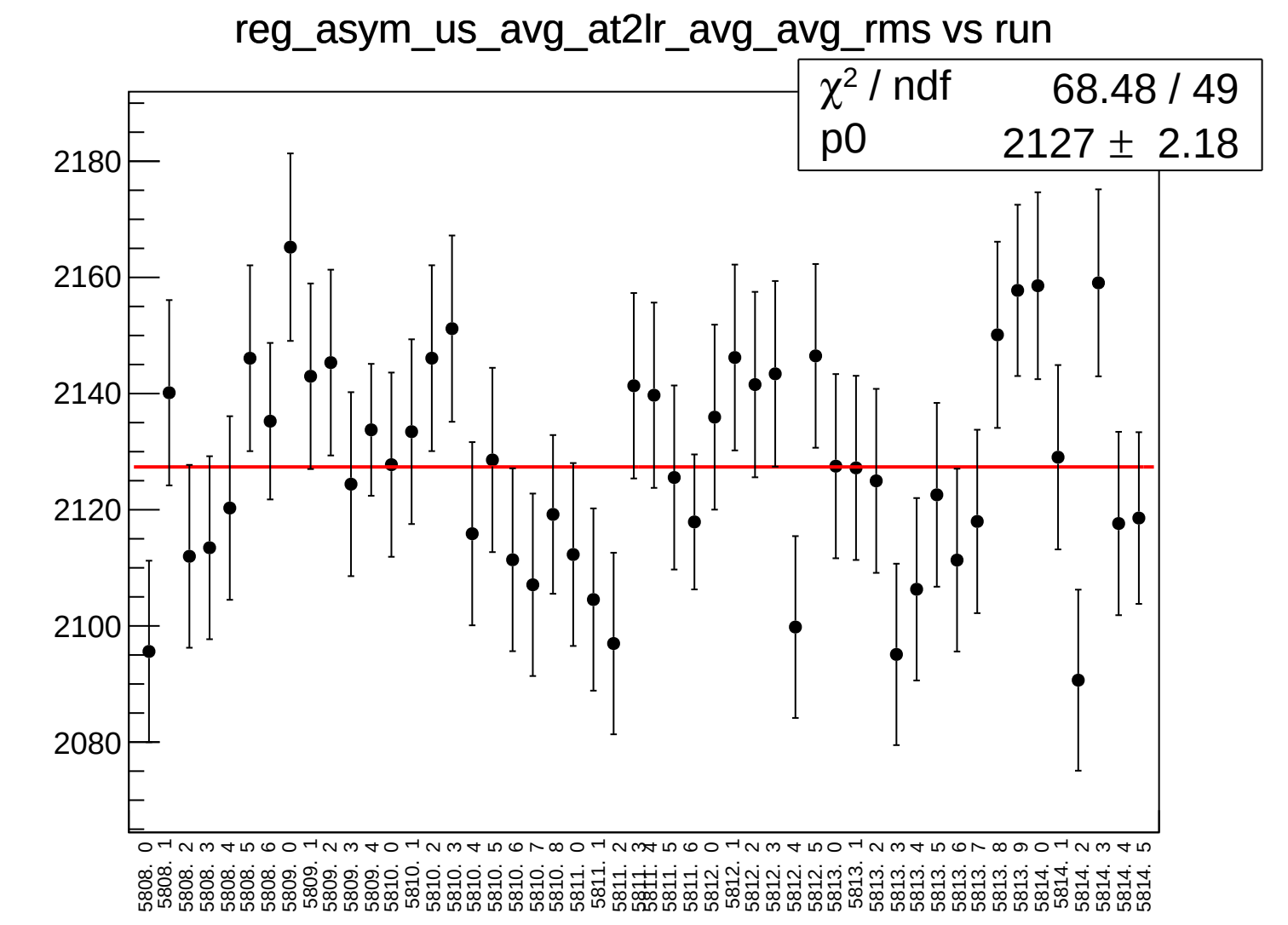

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.09e+05 / 49
p0 43.39 ± 0.04726
100
90
80
70
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

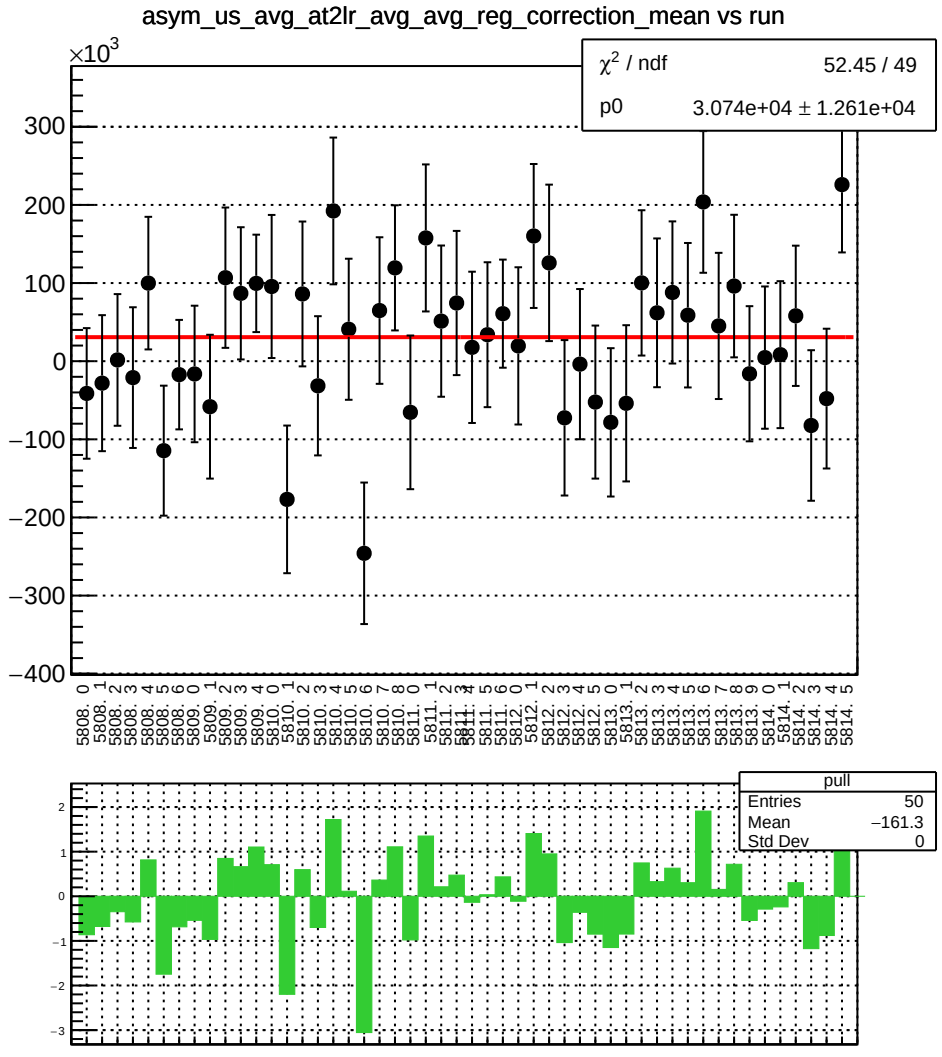

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.29 / 49
p0 4.102e−15 ± 3.5e−14
pull
Entries 50
Mean 141
Std Dev 0

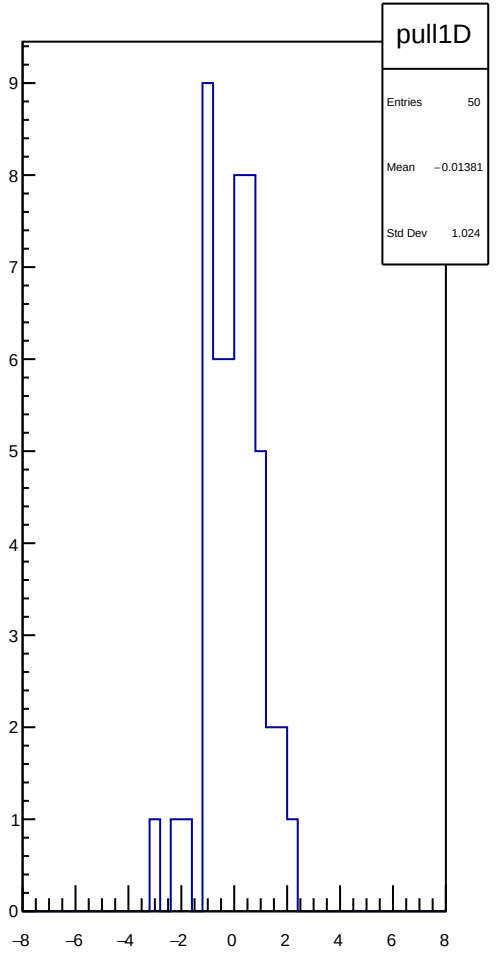

pull1D
Entries 50
Mean 0.0402
Std Dev 1.032

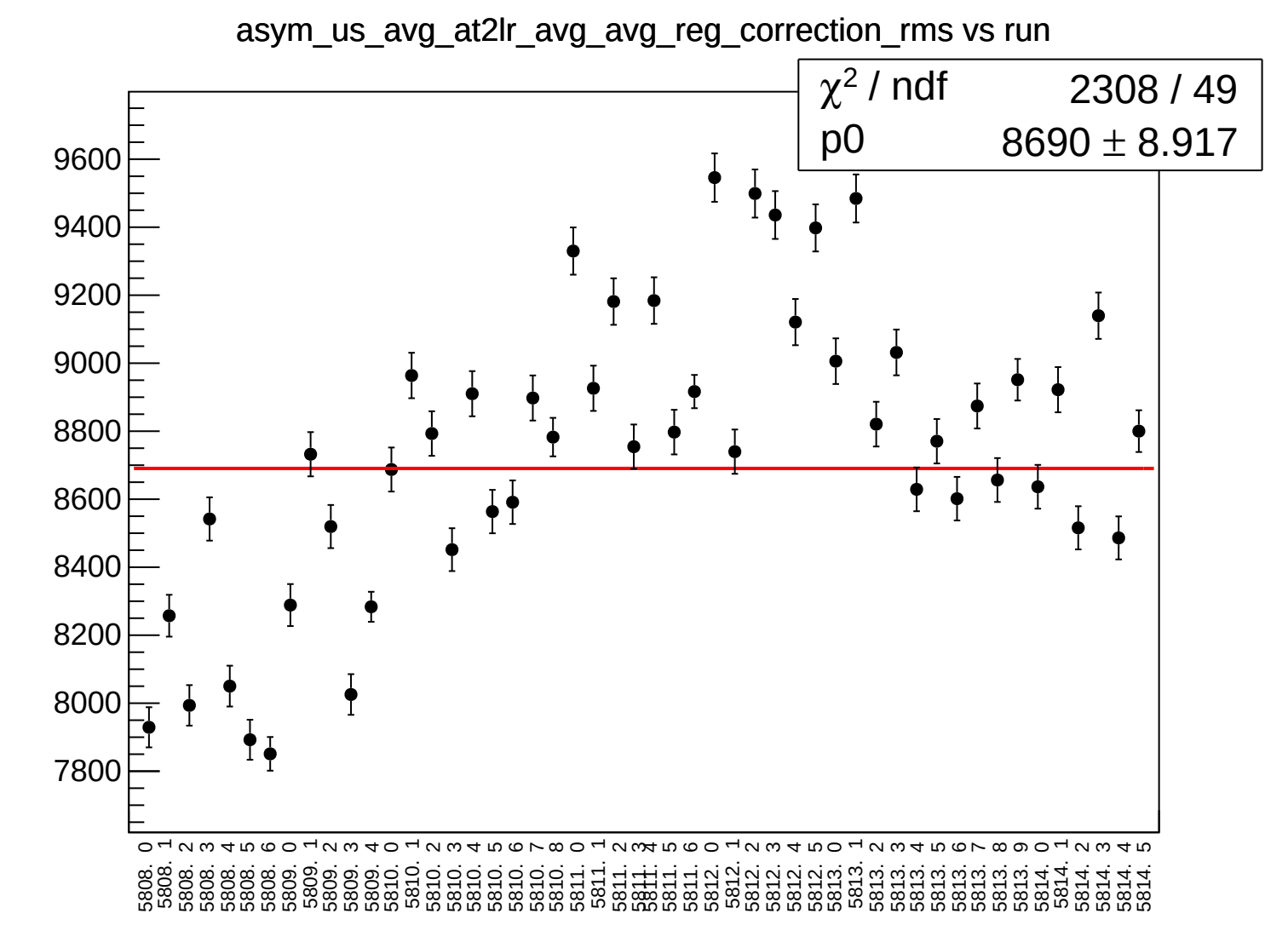

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.845e+05 / 49
p0 2.022e−11 ± 2.475e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

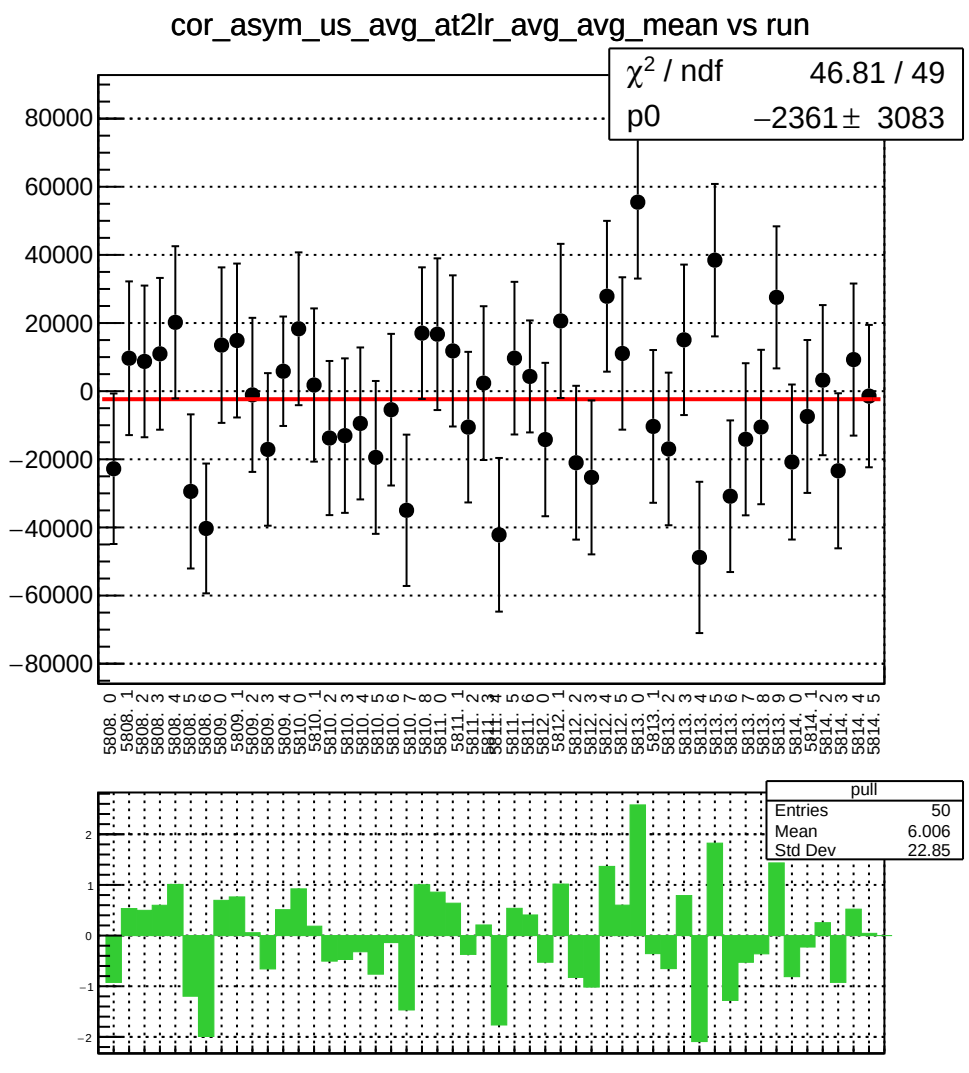

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 46.82 / 49
p0 −2361 ± 3083
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 6.026
Std Dev 22.83
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.006194
Std Dev 0.9676
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

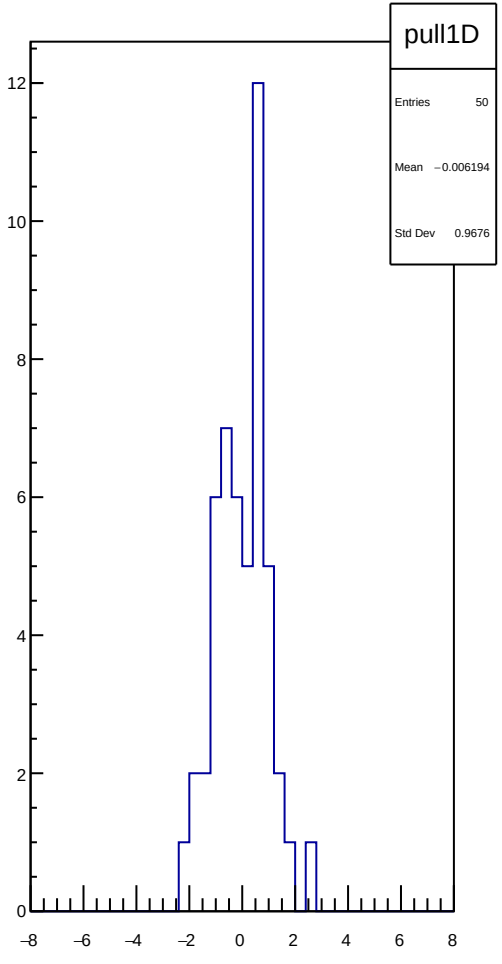

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 68.48 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

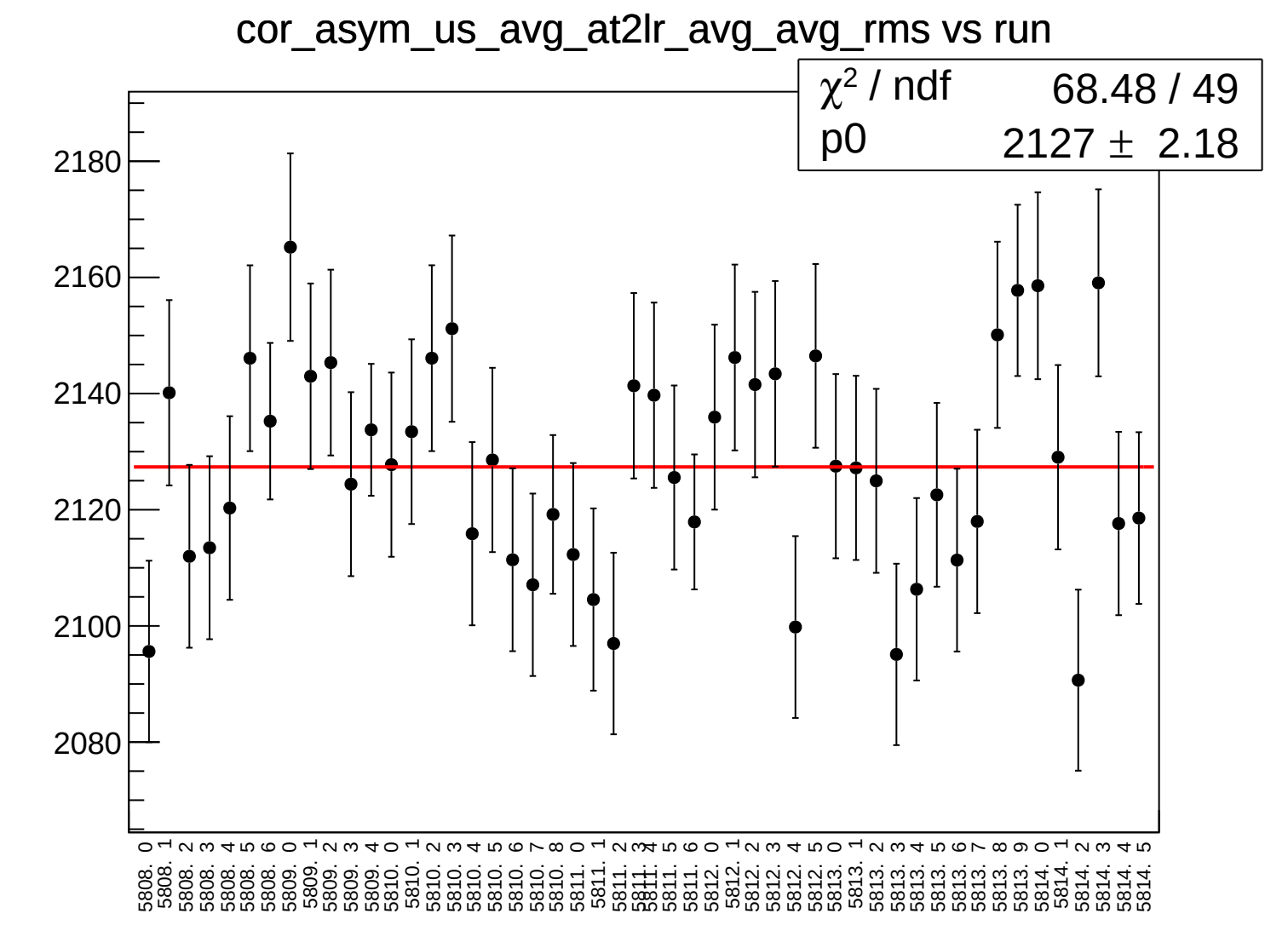

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 52.45 / 49
p0 3.074e+04 ± 1.261e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 50
Mean −161.3
Std Dev 0
2
1
0
−1
−2
−3

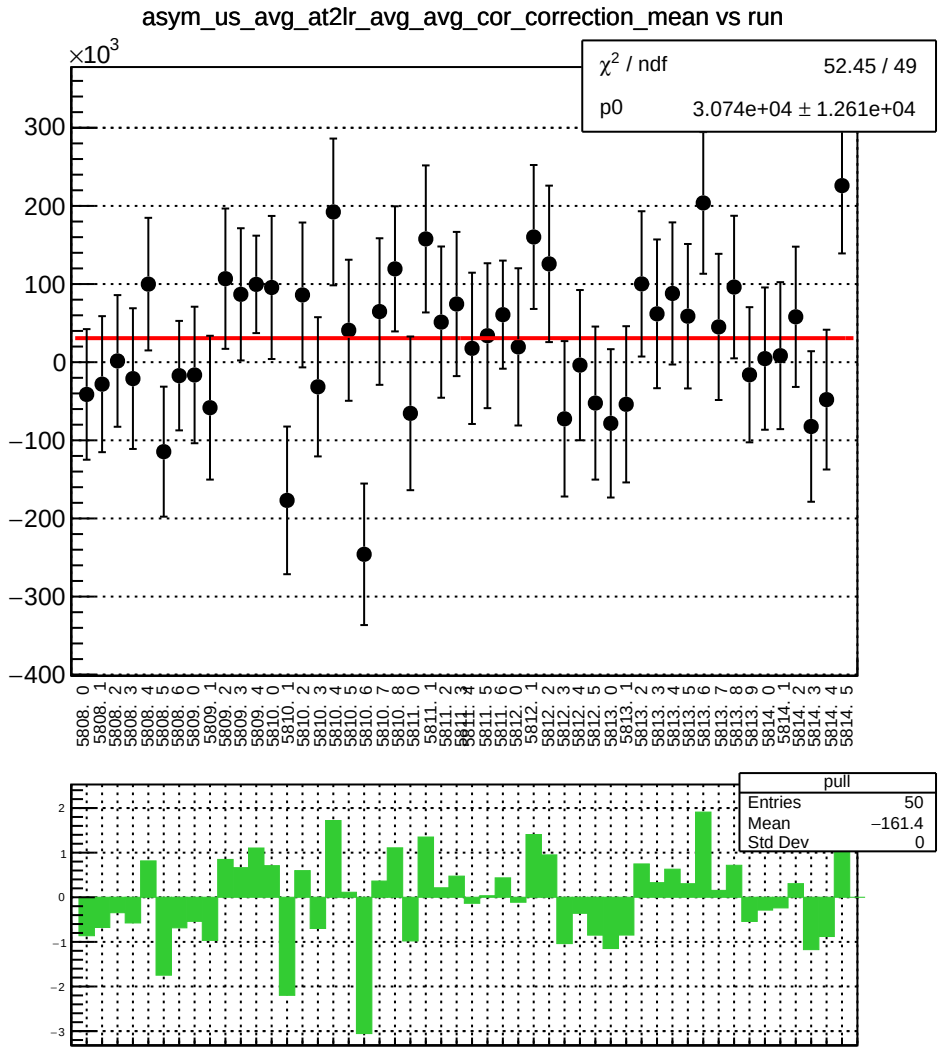

pull1D
Entries 50
Mean −0.01381
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

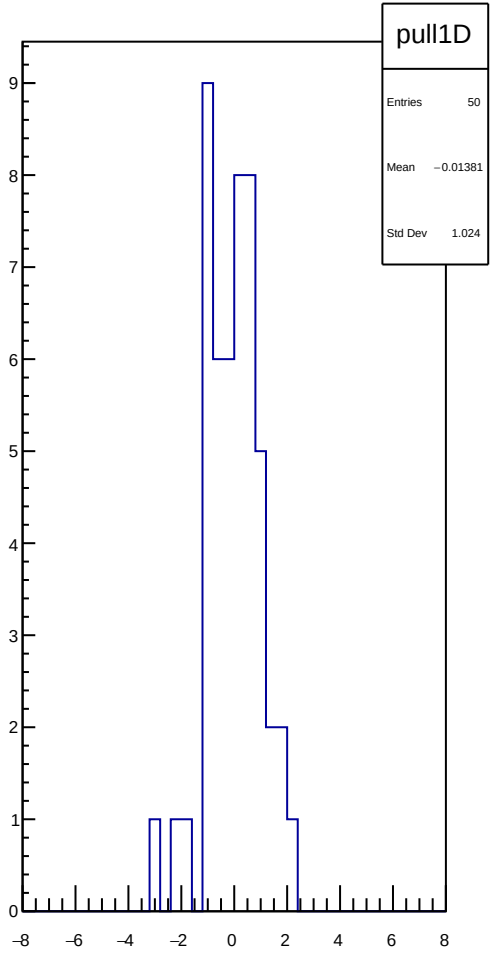

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 2308 / 49
p0 8690 ± 8.917
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

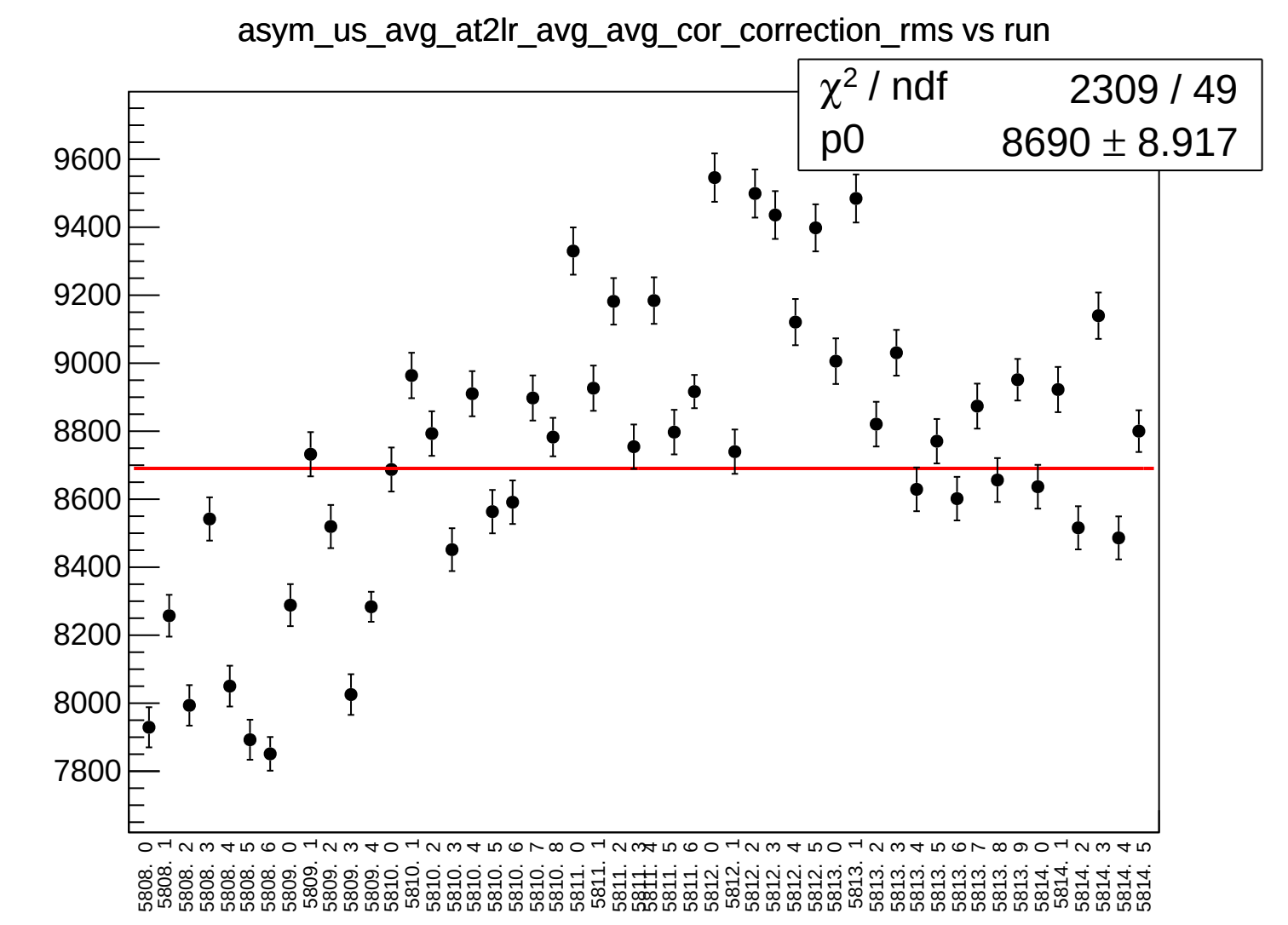

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 46.81 / 49
p0 −2361 ± 3083
pull
Entries 50
Mean 6.006
Std Dev 22.85

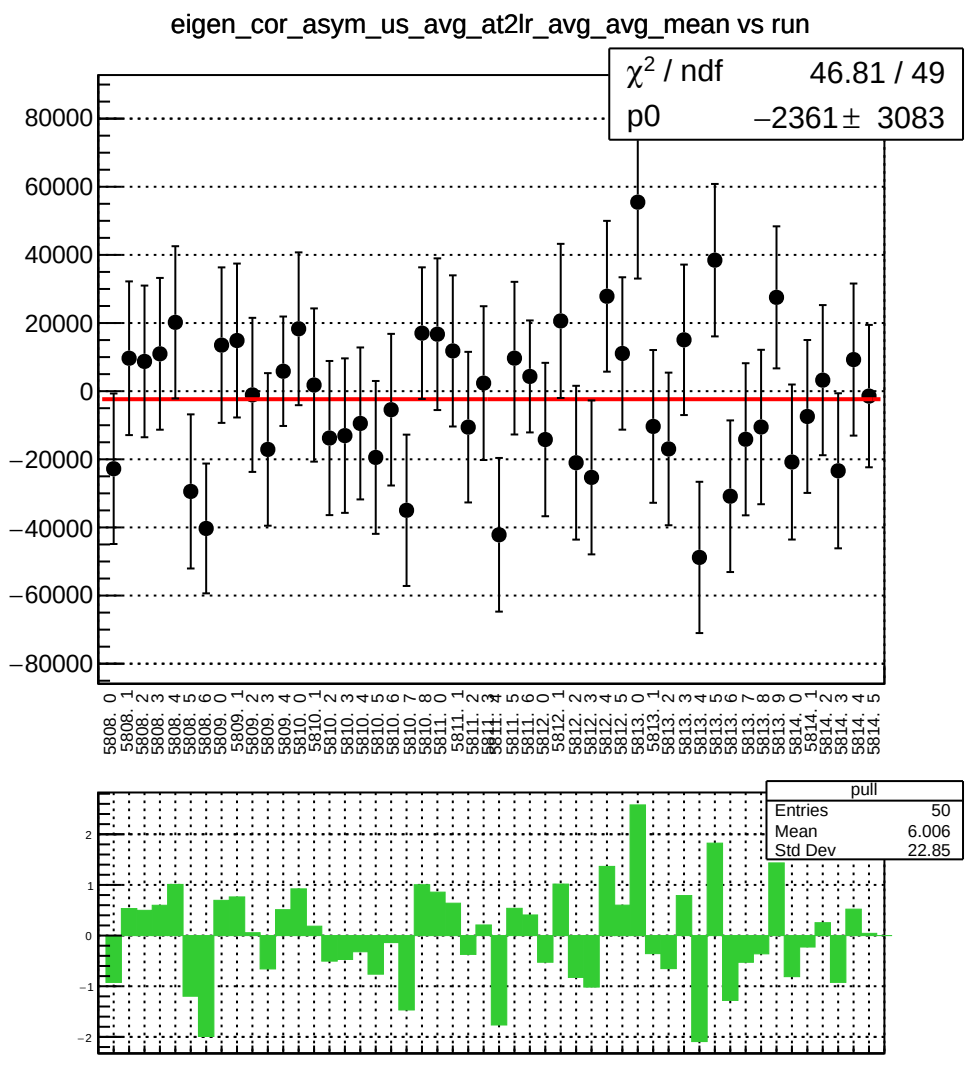

pull1D
Entries 50
Mean −0.006194
Std Dev 0.9676

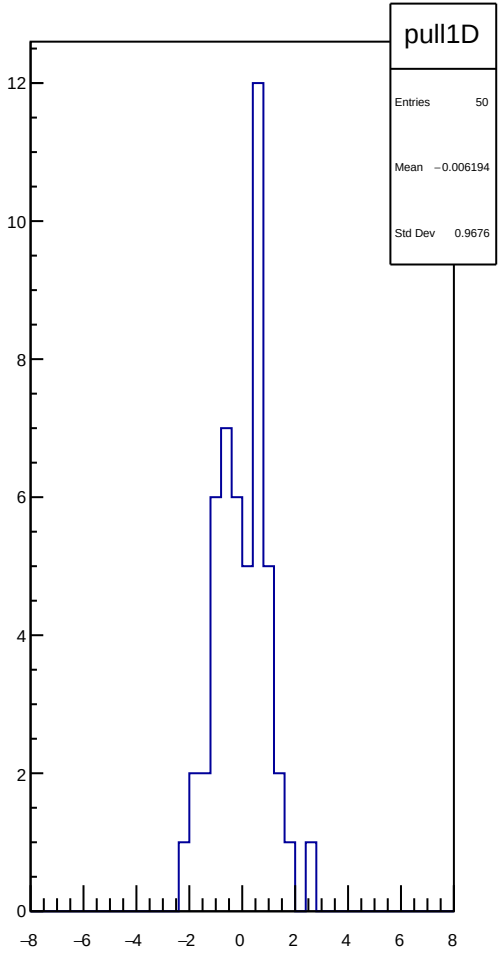

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 68.48 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

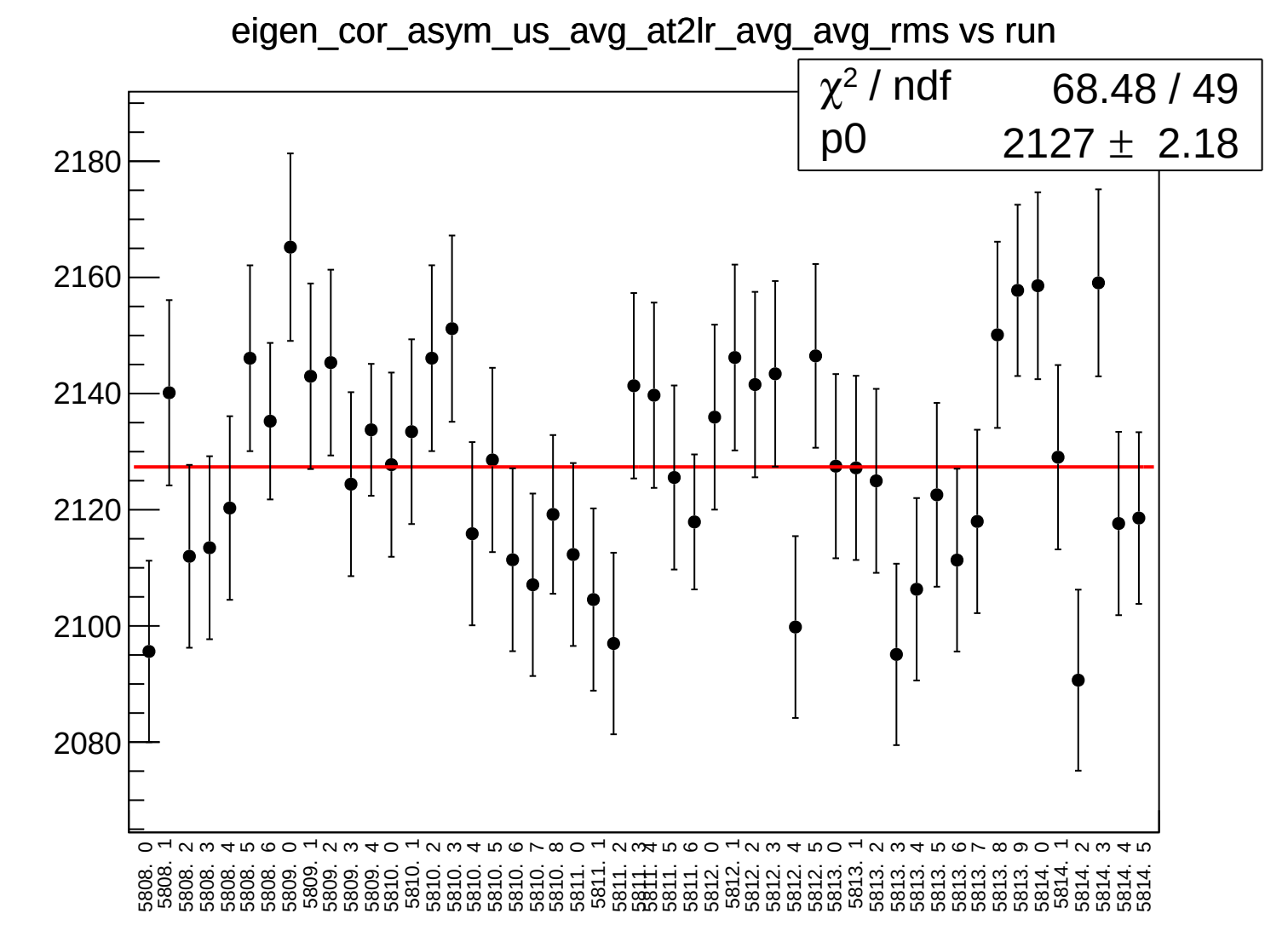

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 52.45 / 49
p0 3.074e+04 ± 1.261e+04
pull
Entries 50
Mean −161.4
Std Dev 0

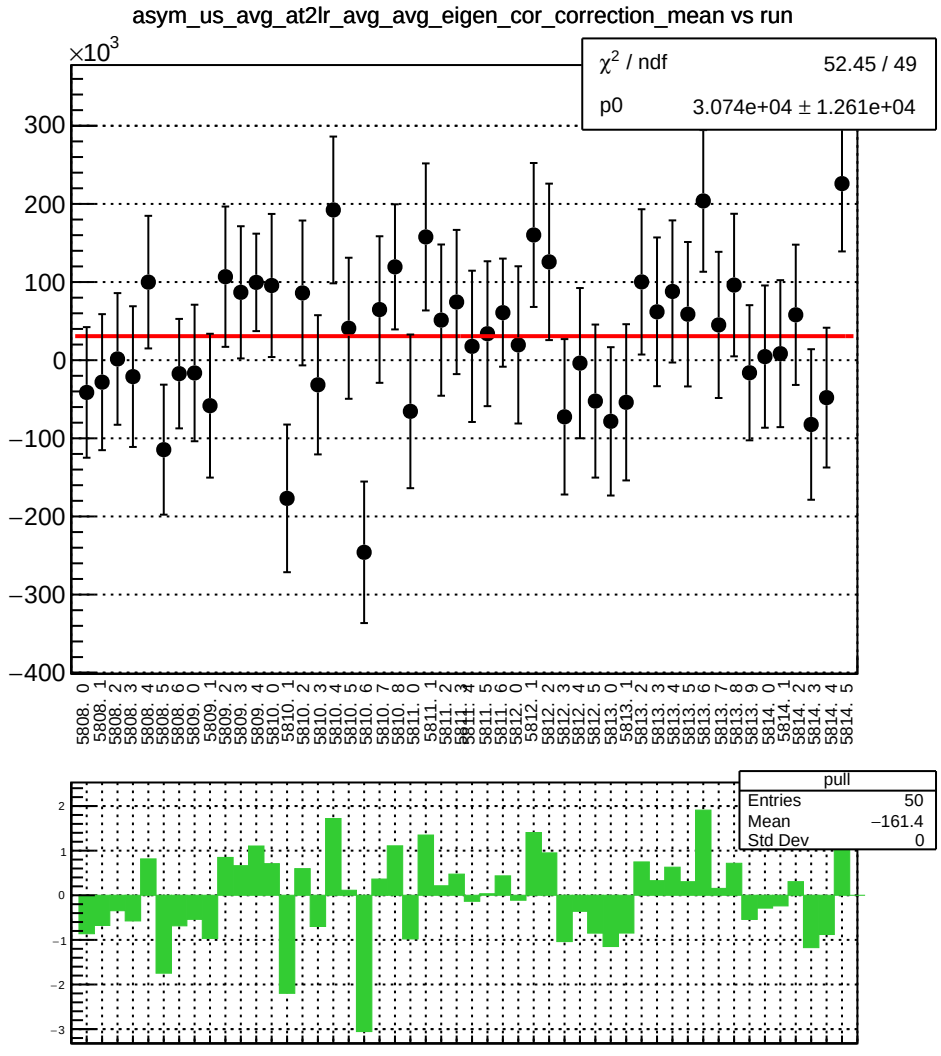

pull1D
Entries 50
Mean −0.01381
Std Dev 1.024

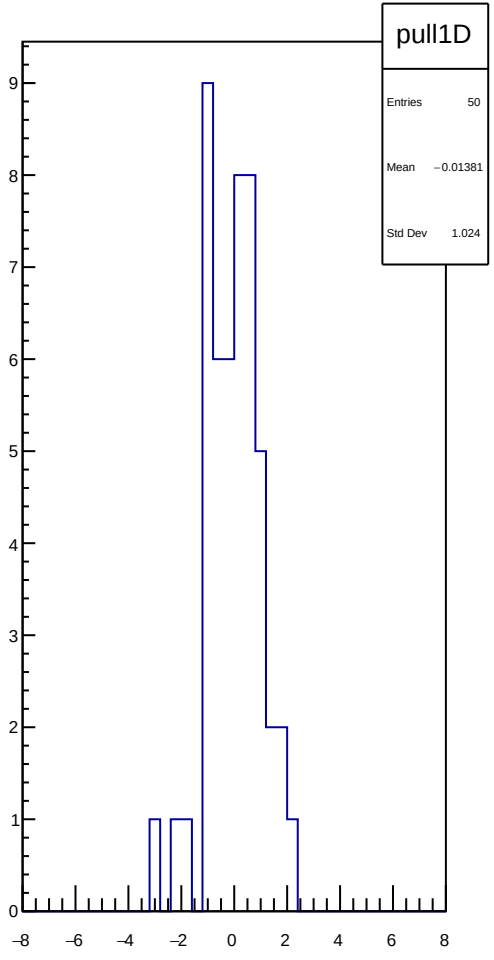

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 2309 / 49
p0 8690 ± 8.917
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

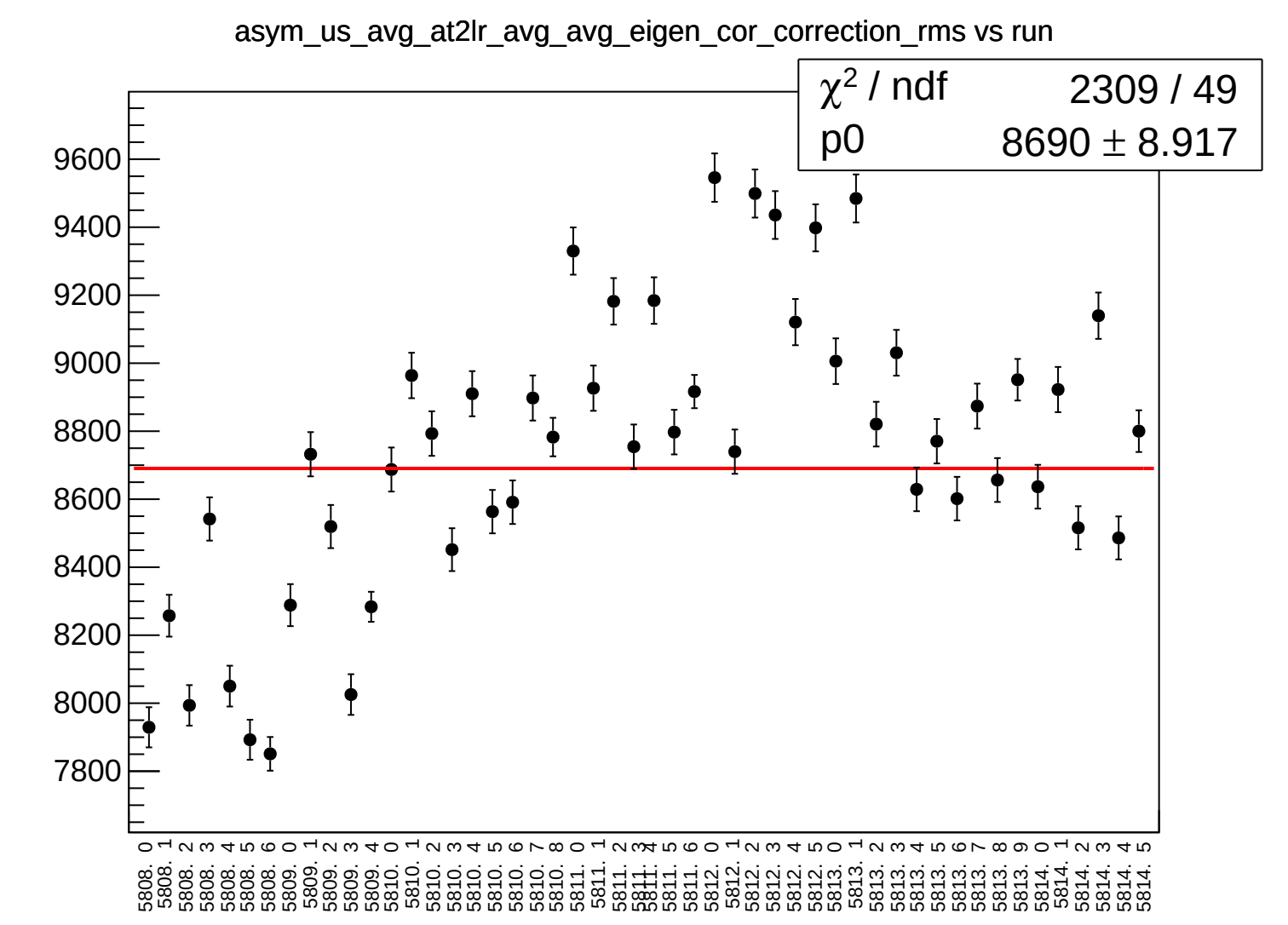

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 46.81 / 49
p0 −2361 ± 3083
pull
Entries 50
Mean 6.006
Std Dev 22.85

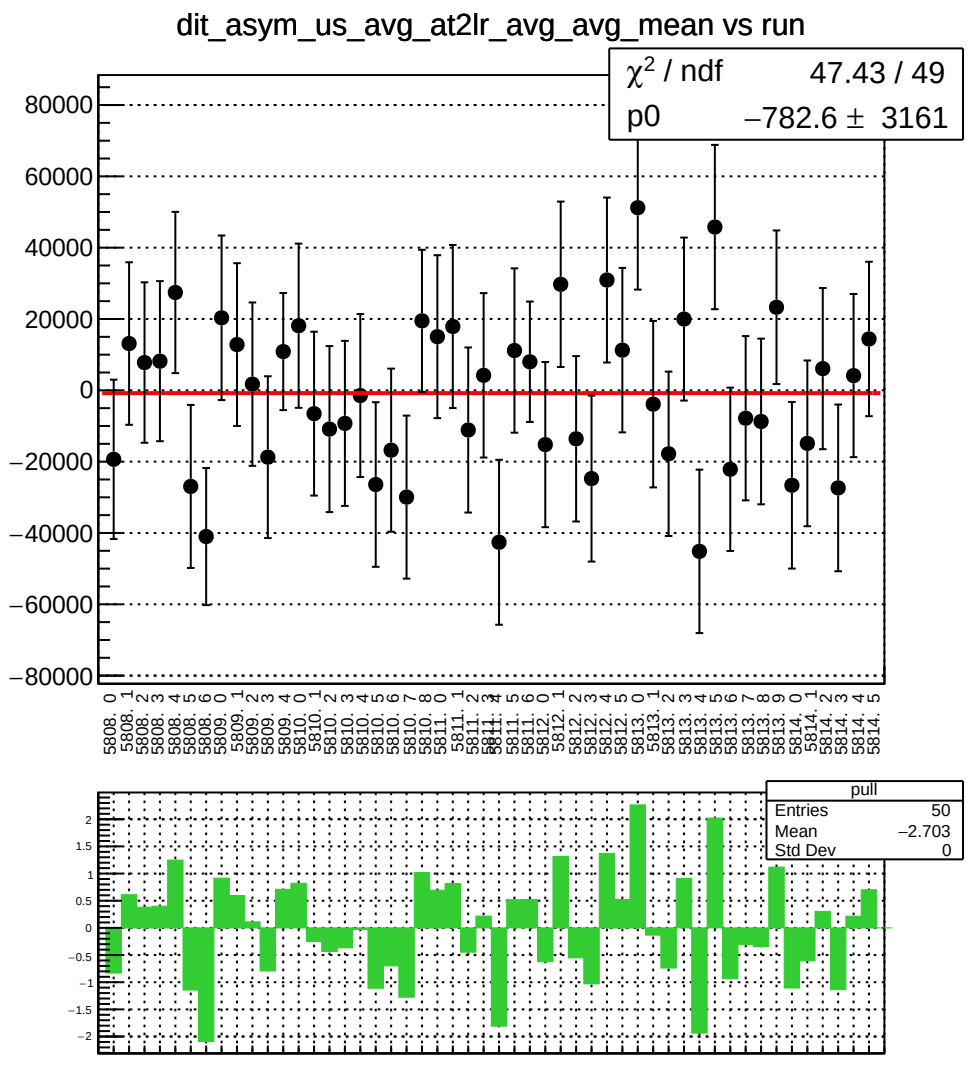

pull1D
Entries 50
Mean −0.006194
Std Dev 0.9676

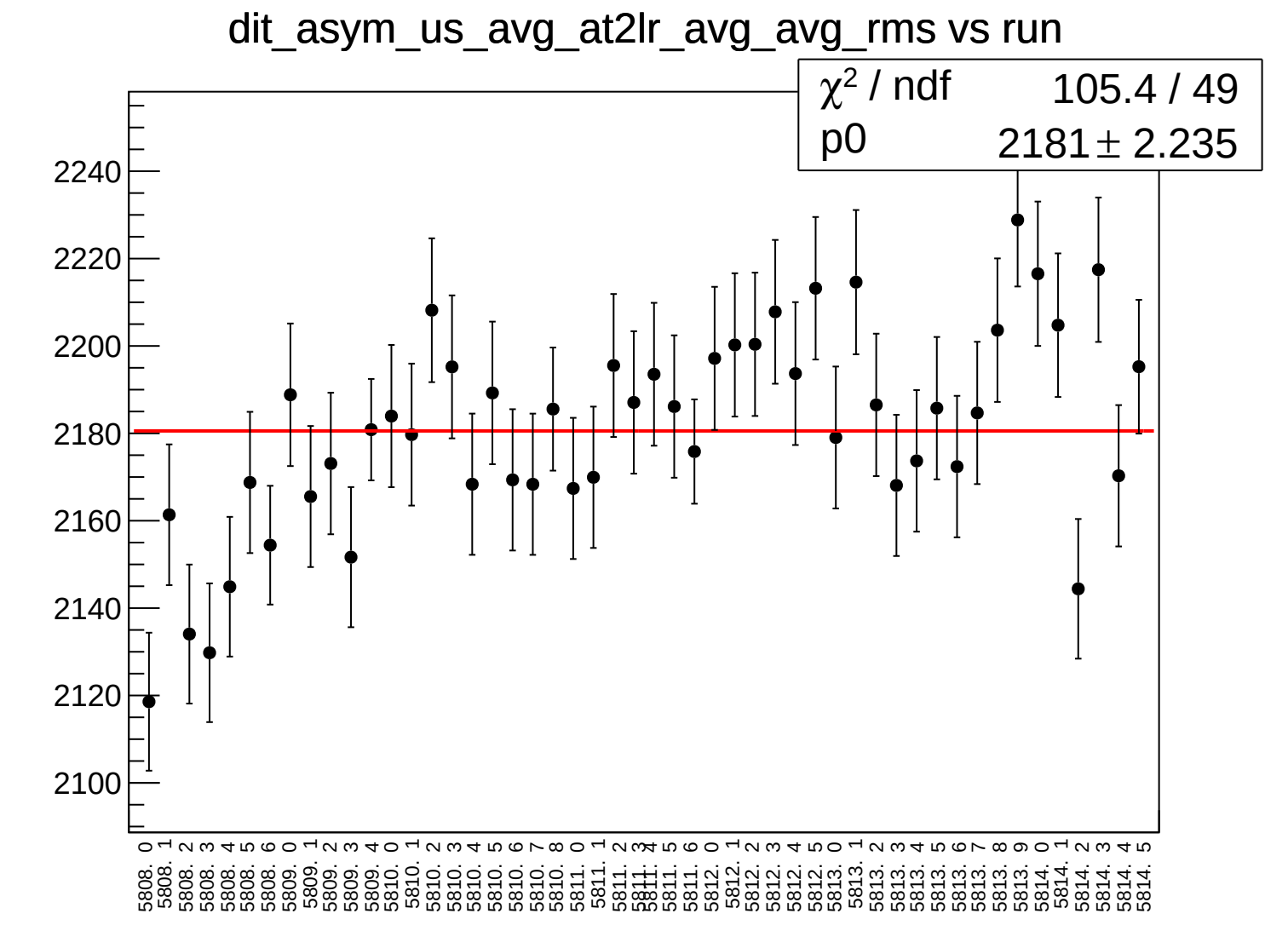

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 68.48 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

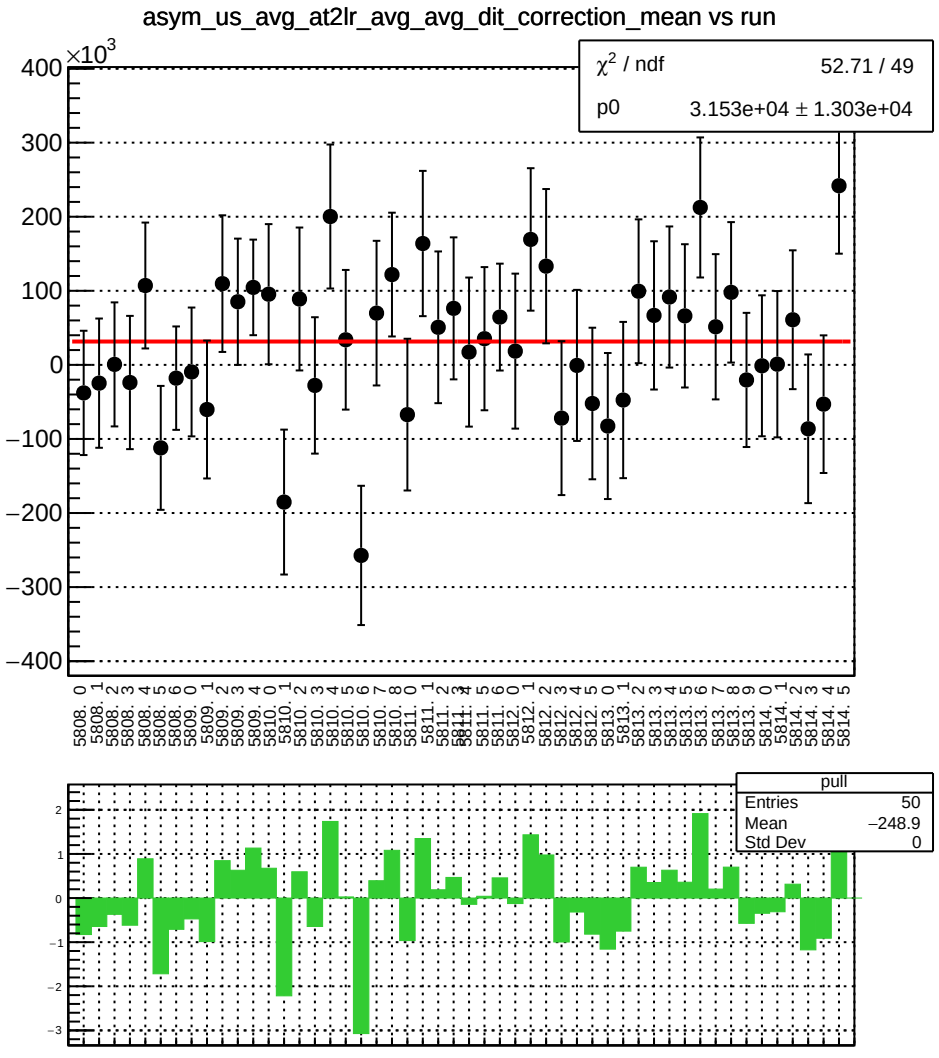

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.45 / 49
p0 3.074e+04 ± 1.261e+04
300
200
100
0
−100
−200
−300
−400
pull
Entries 50
Mean −161.4
Std Dev 0
2
1
0
−1
−2
−3

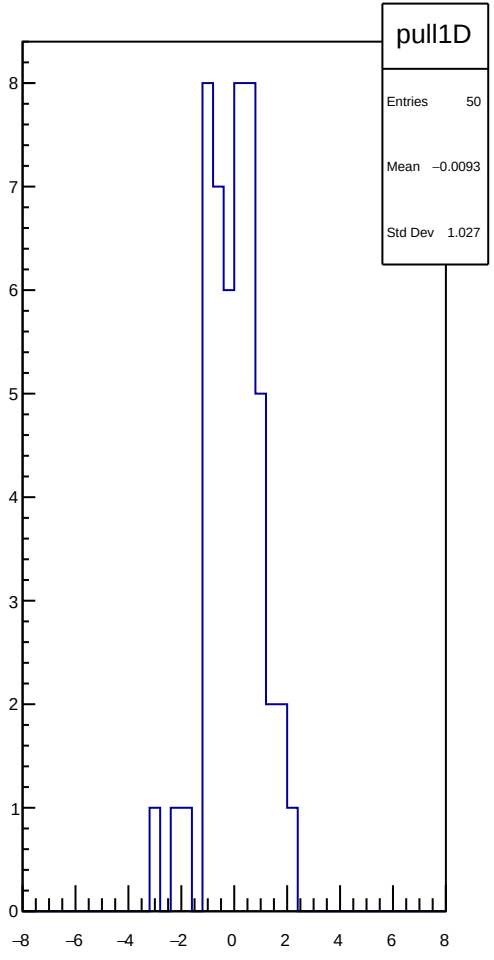

pull1D
Entries 50
Mean −0.01381
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

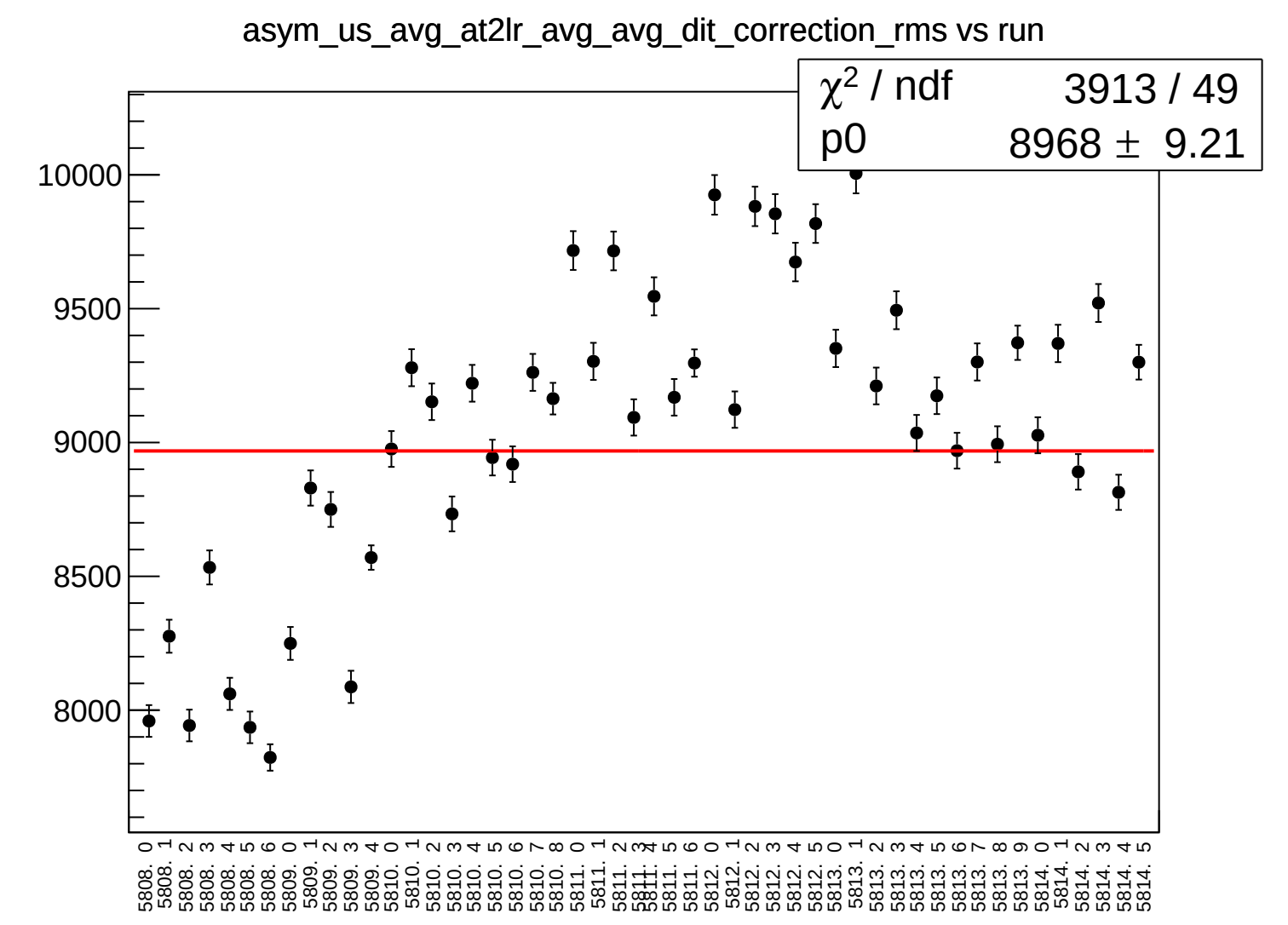

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2309 / 49
p0 8690 ± 8.917
9600
9400
9200
9000
8800
8600
8400
8200
8000
7800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

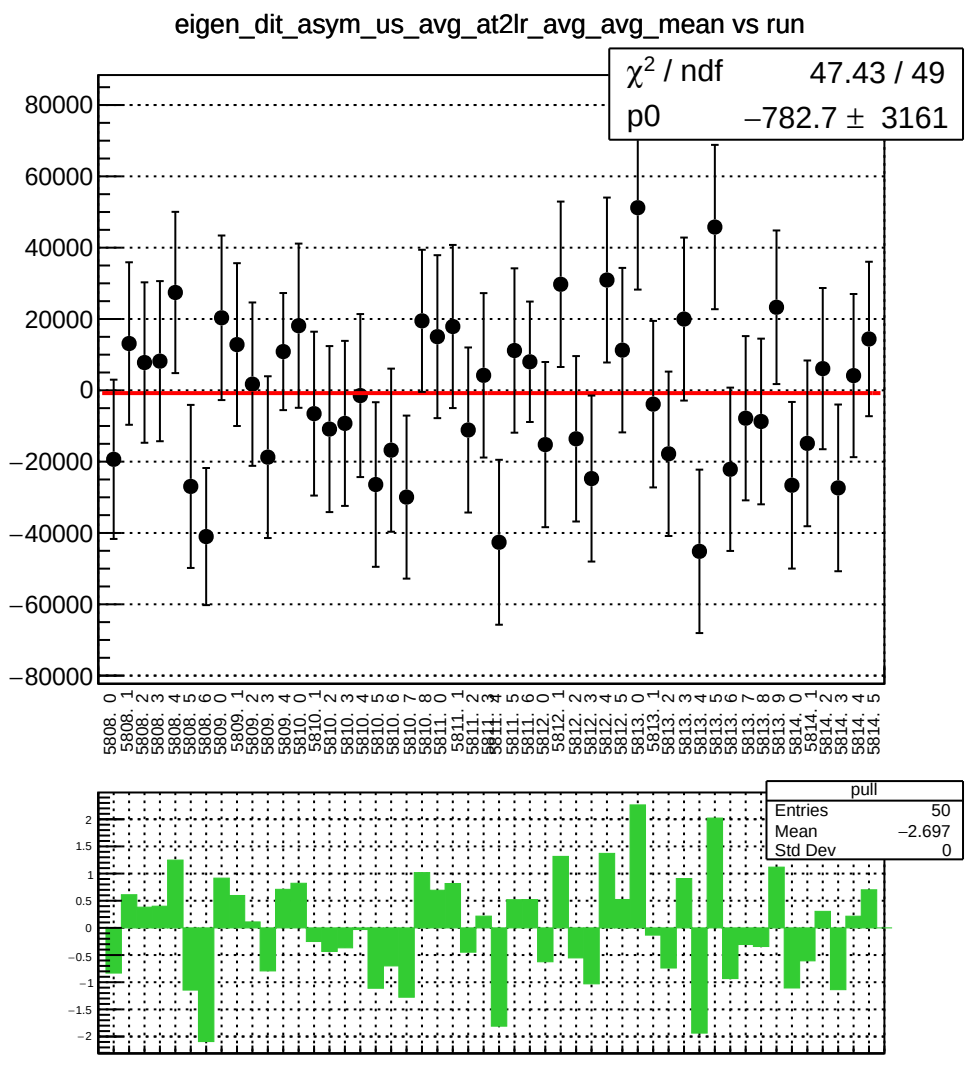

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.43 / 49
p0 −782.6 ± 3161
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2.703
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.008234
Std Dev 0.9739
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

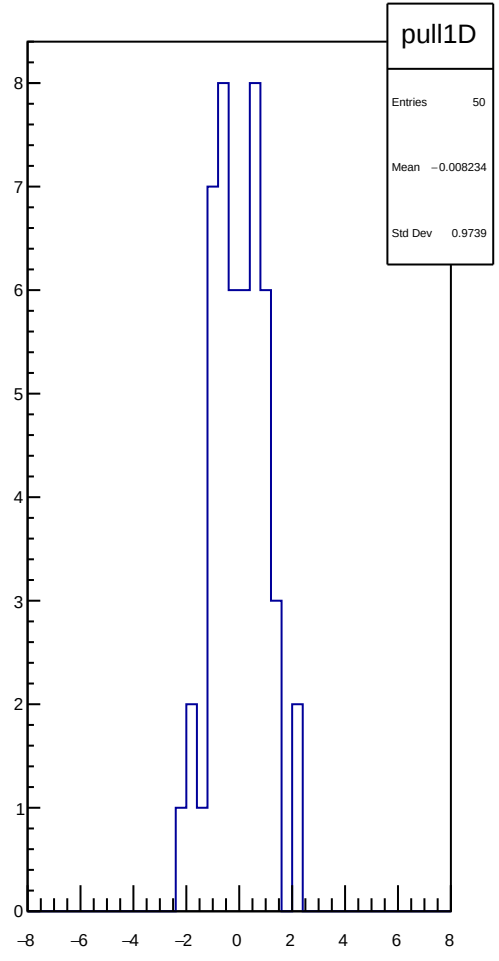

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 105.4 / 49
p0 2181 ± 2.235
2240
2220
2200
2180
2160
2140
2120
2100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

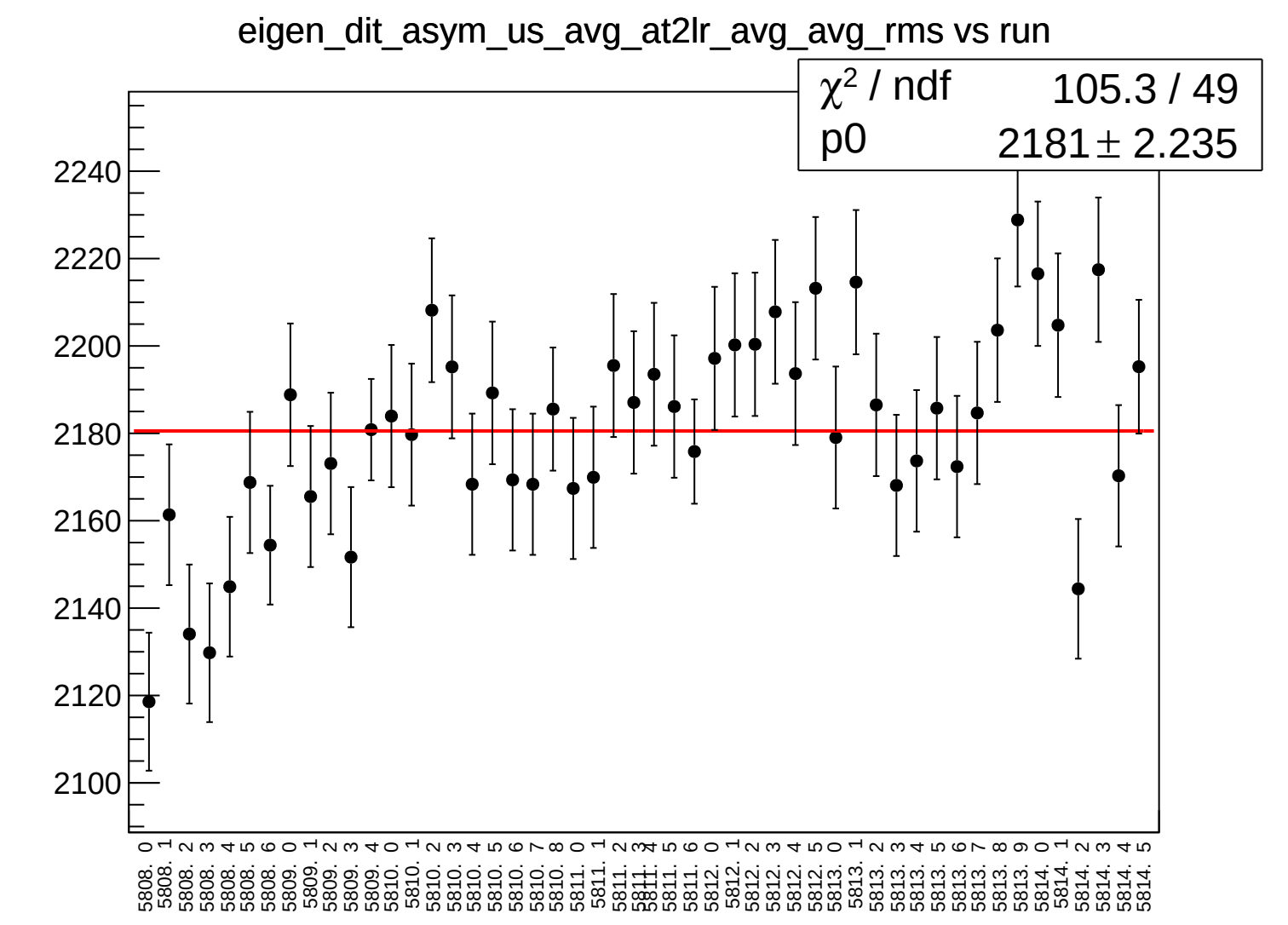

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 52.71 / 49
p0 3.153e+04 ± 1.303e+04
pull
Entries 50
Mean −248.9
Std Dev 0

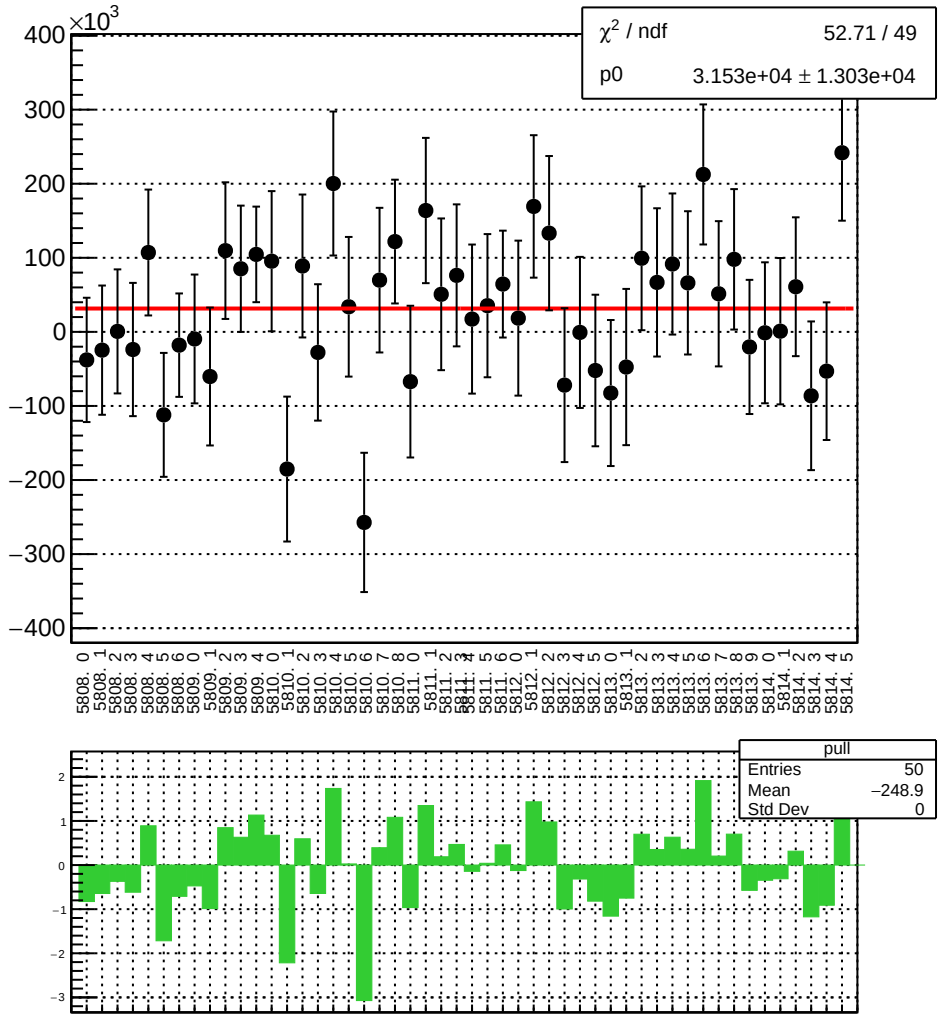

pull1D
Entries 50
Mean −0.0093
Std Dev 1.027

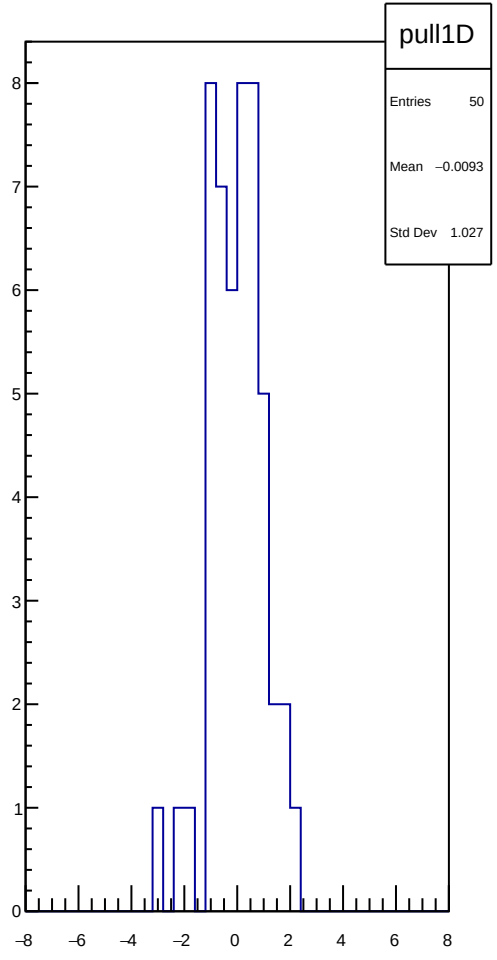

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 3913 / 49
p0 8968 ± 9.21
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

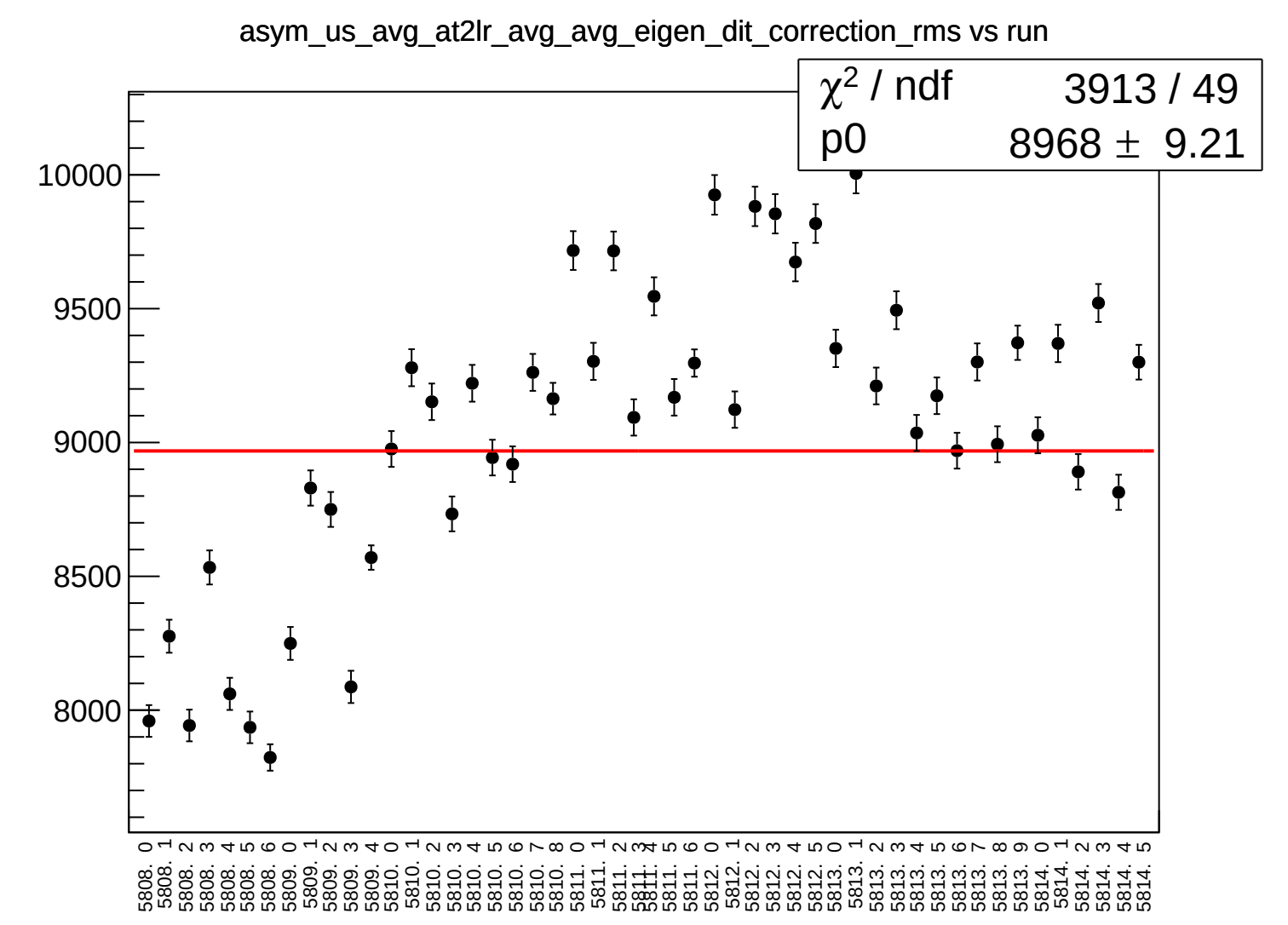

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.43 / 49
p0 −782.7 ± 3161
pull
Entries 50
Mean −2.697
Std Dev 0

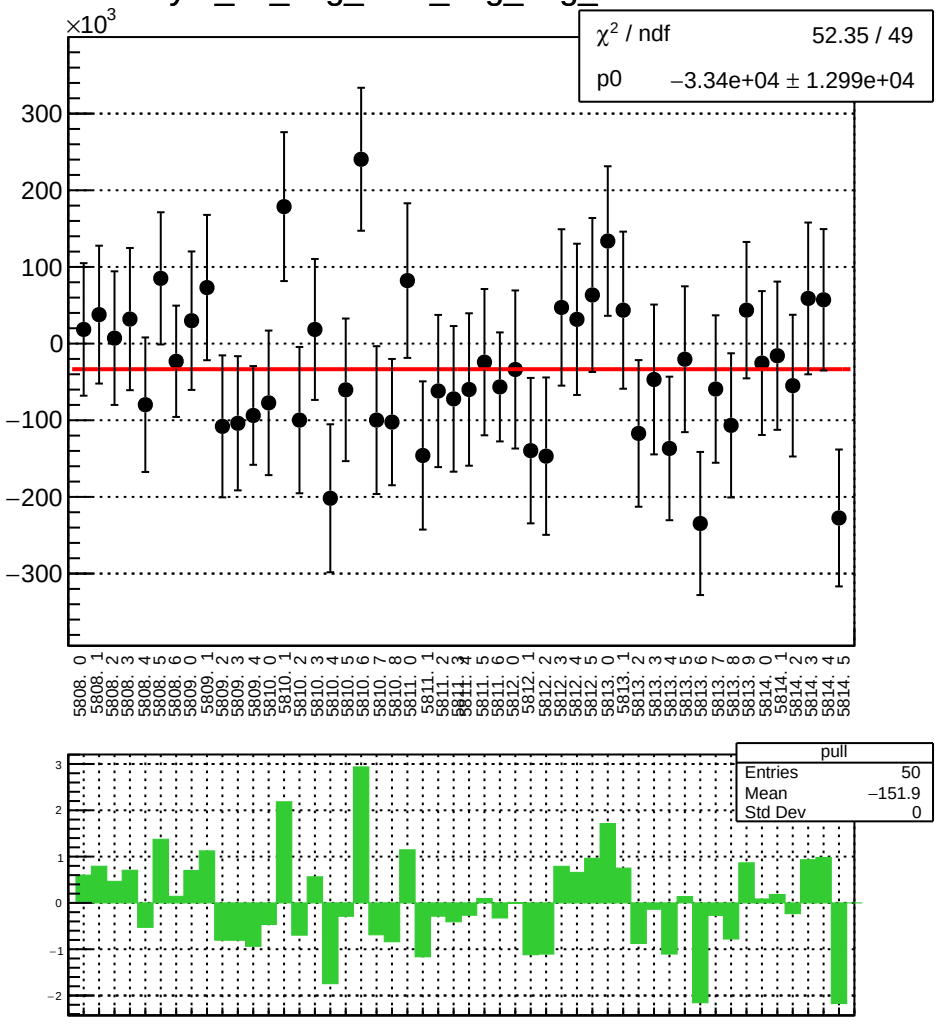

pull1D
Entries 50
Mean −0.008234
Std Dev 0.9739

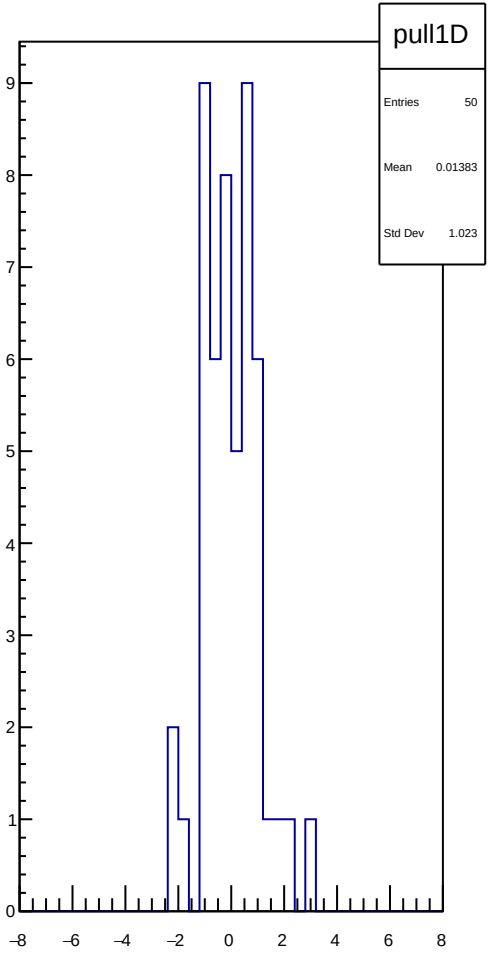

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 105.3 / 49
p0 2181 ± 2.235
2240
2220
2200
2180
2160
2140
2120
2100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

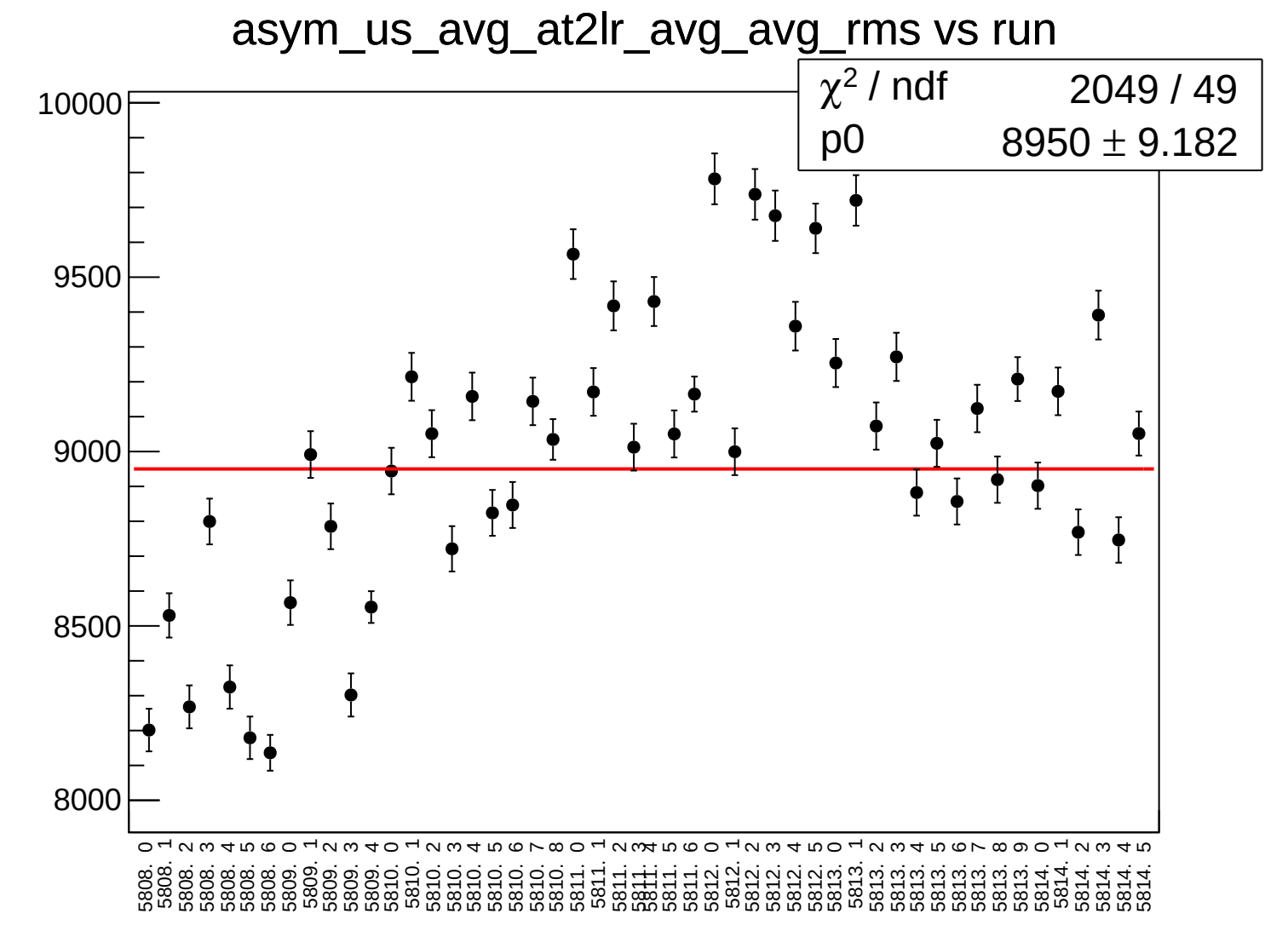

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.71 / 49
p0 3.153e+04 ± 1.303e+04
pull
Entries 50
Mean −248.9
Std Dev 0

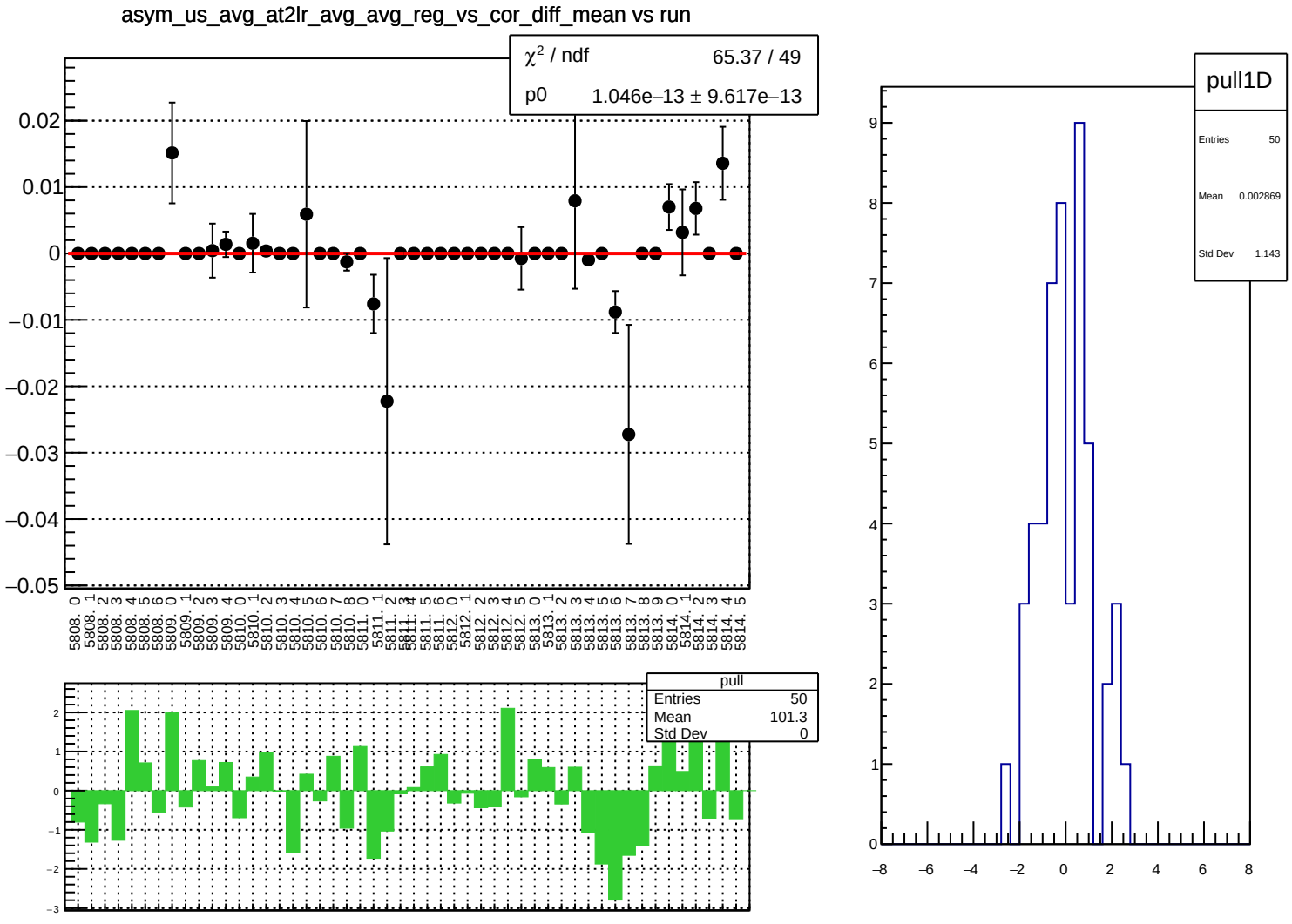

pull1D
Entries 50
Mean −0.0093
Std Dev 1.027

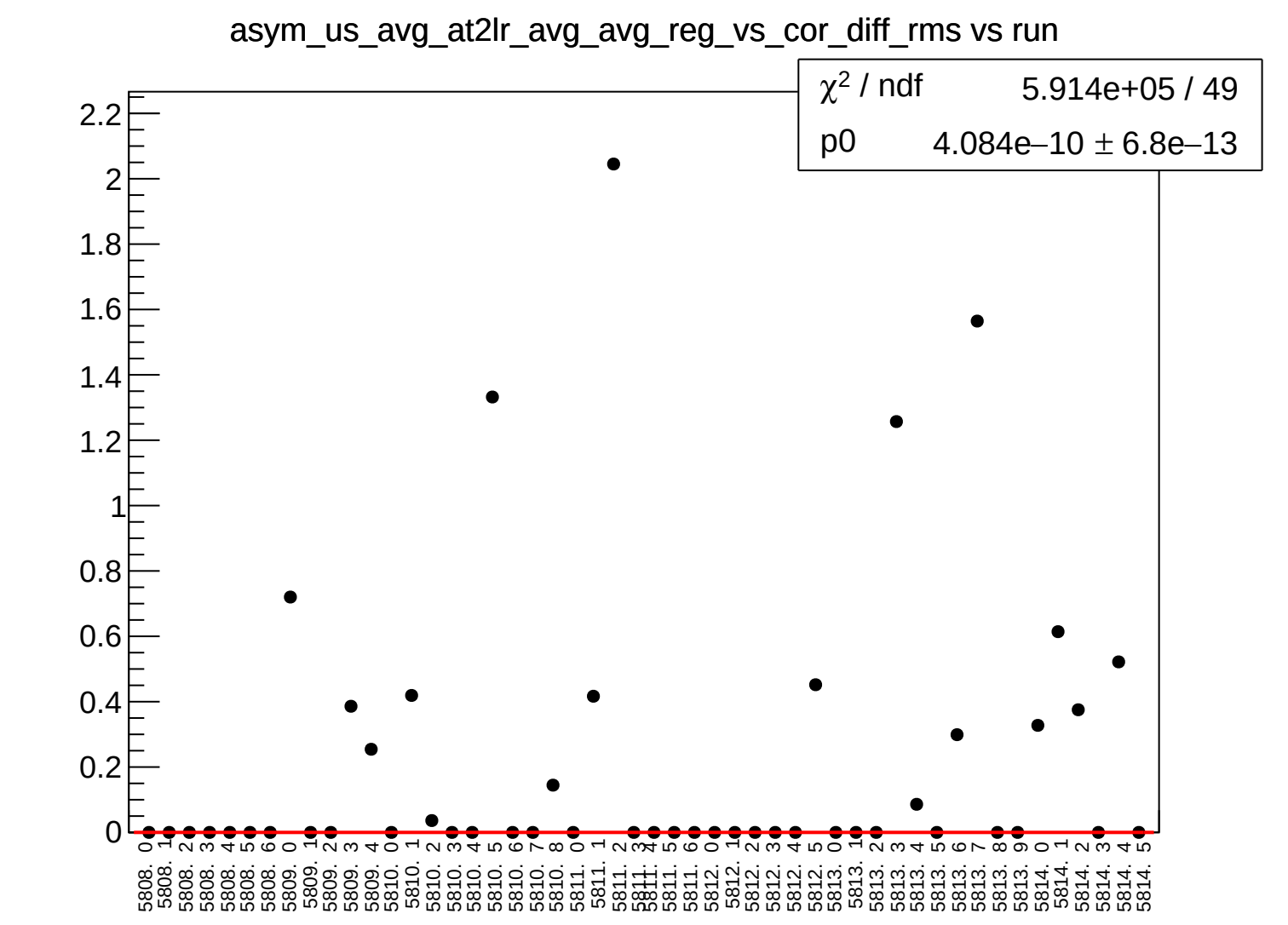

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 3913 / 49
p0 8968 ± 9.21
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

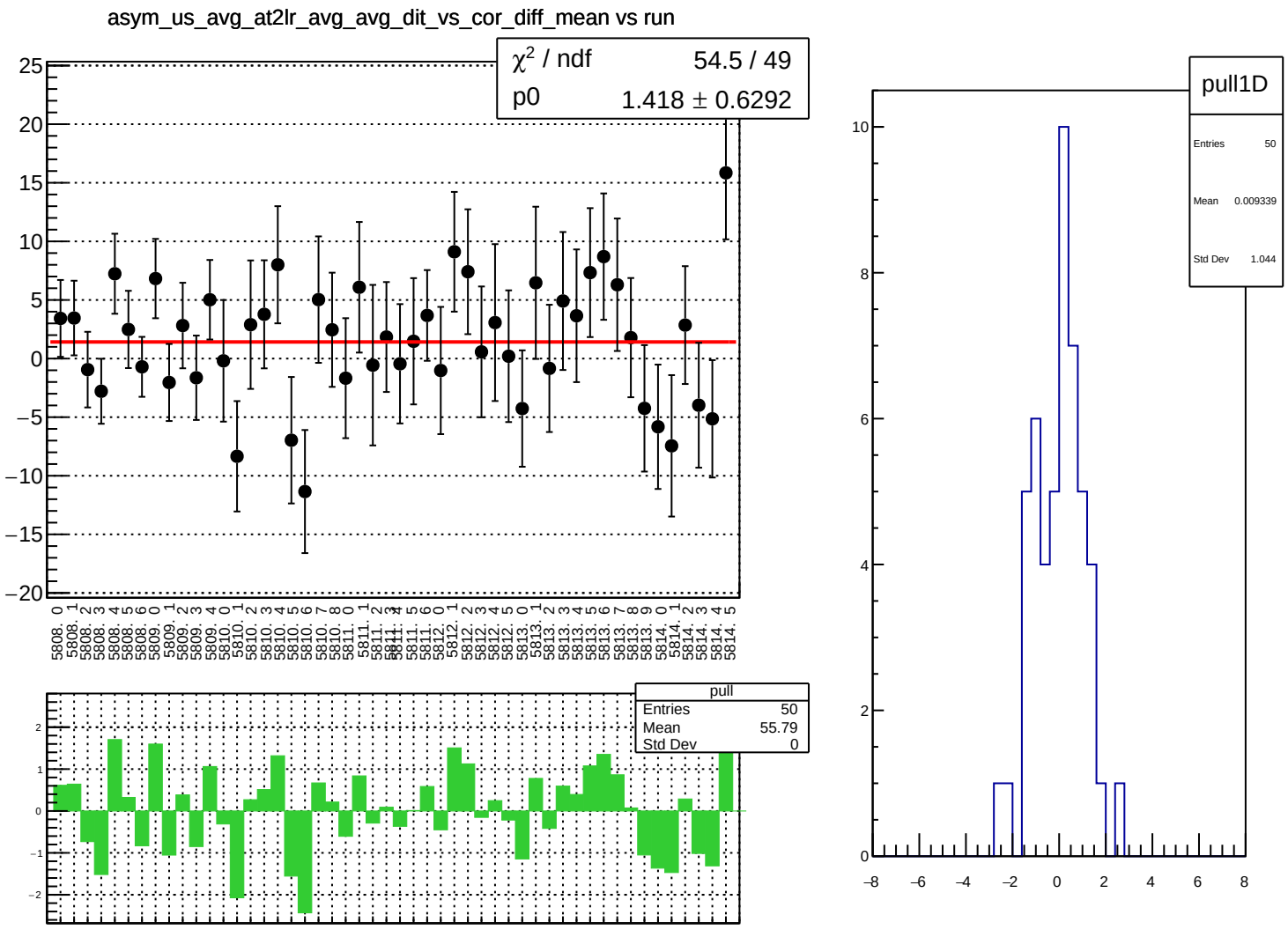

asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 52.35 / 49
p0 −3.34e+04 ± 1.299e+04
×10³
300
200
100
0
−100
−200
−300
pull
Entries 50
Mean −151.9
Std Dev 0
3
2
1
0
−1
−2

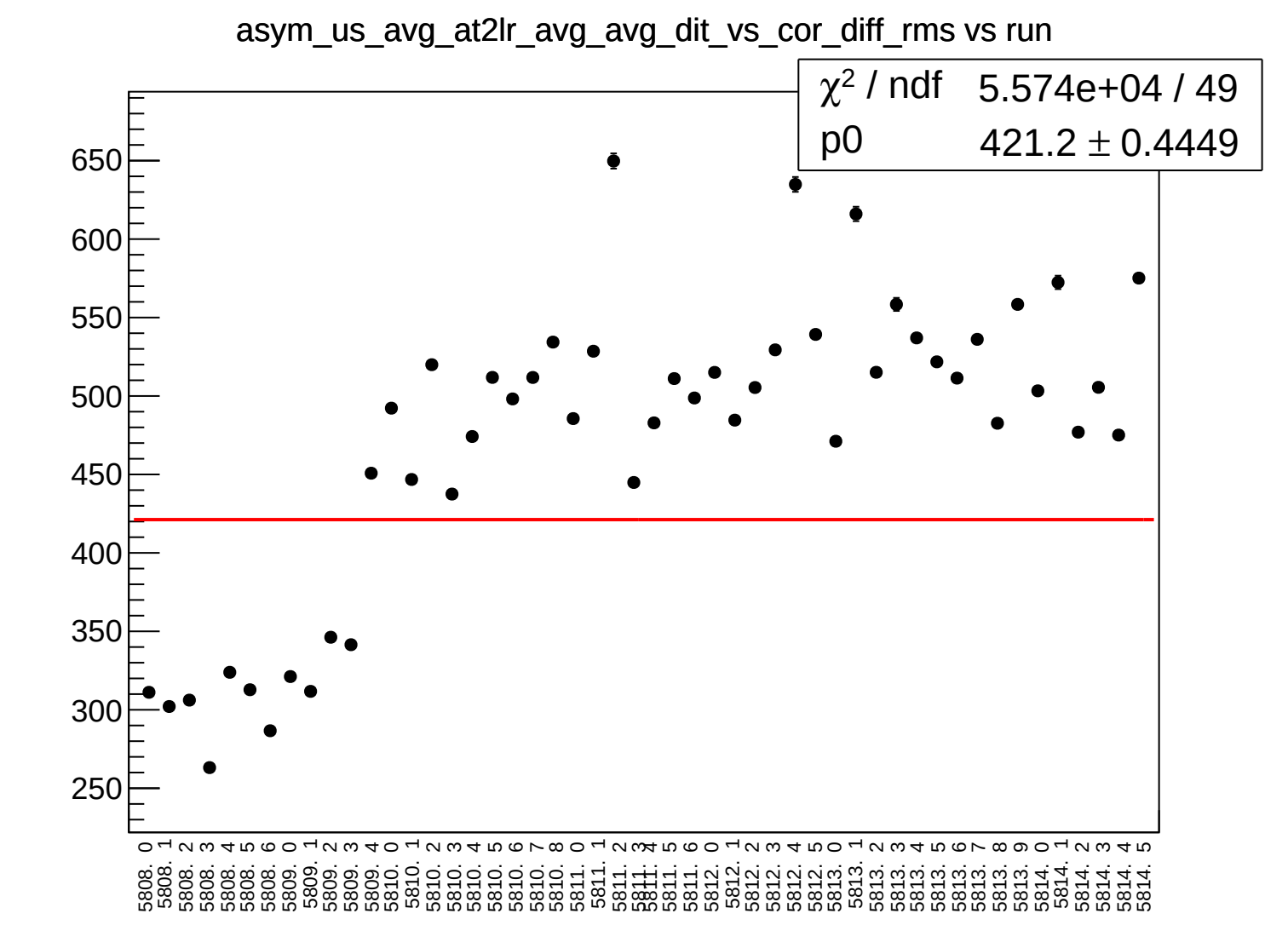

pull1D
Entries 50
Mean 0.01383
Std Dev 1.023
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

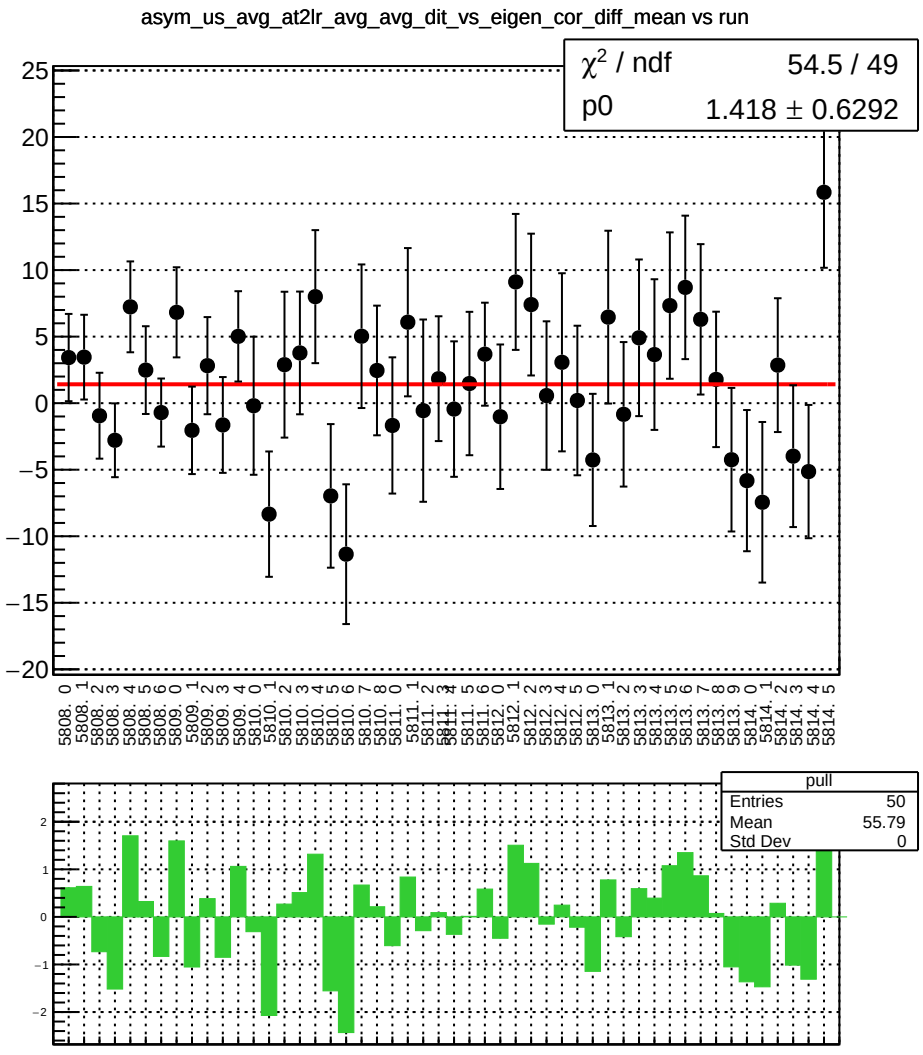

asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 2049 / 49
p0 8950 ± 9.182
10000
9500
9000
8500
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

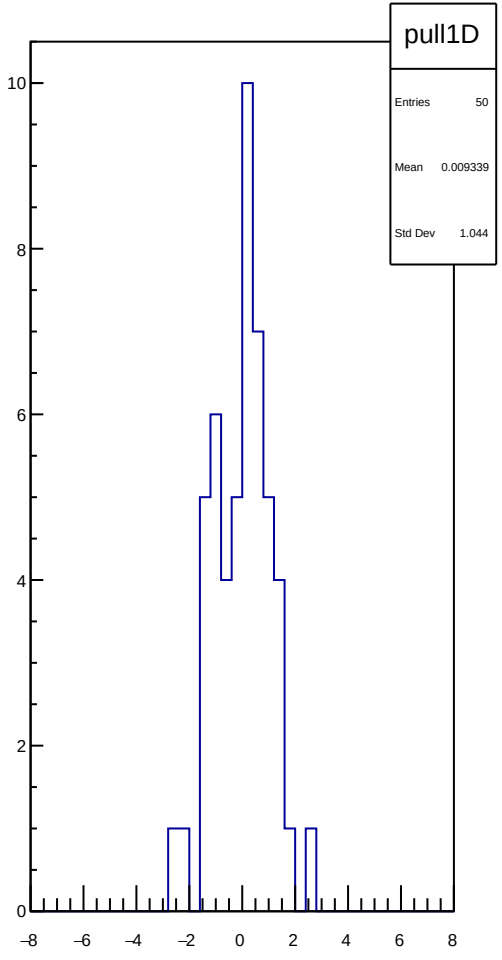

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.37 / 49
p0 1.046e−13 ± 9.617e−13
pull
Entries 50
Mean 101.3
Std Dev 0
pull1D
Entries 50
Mean 0.002869
Std Dev 1.143

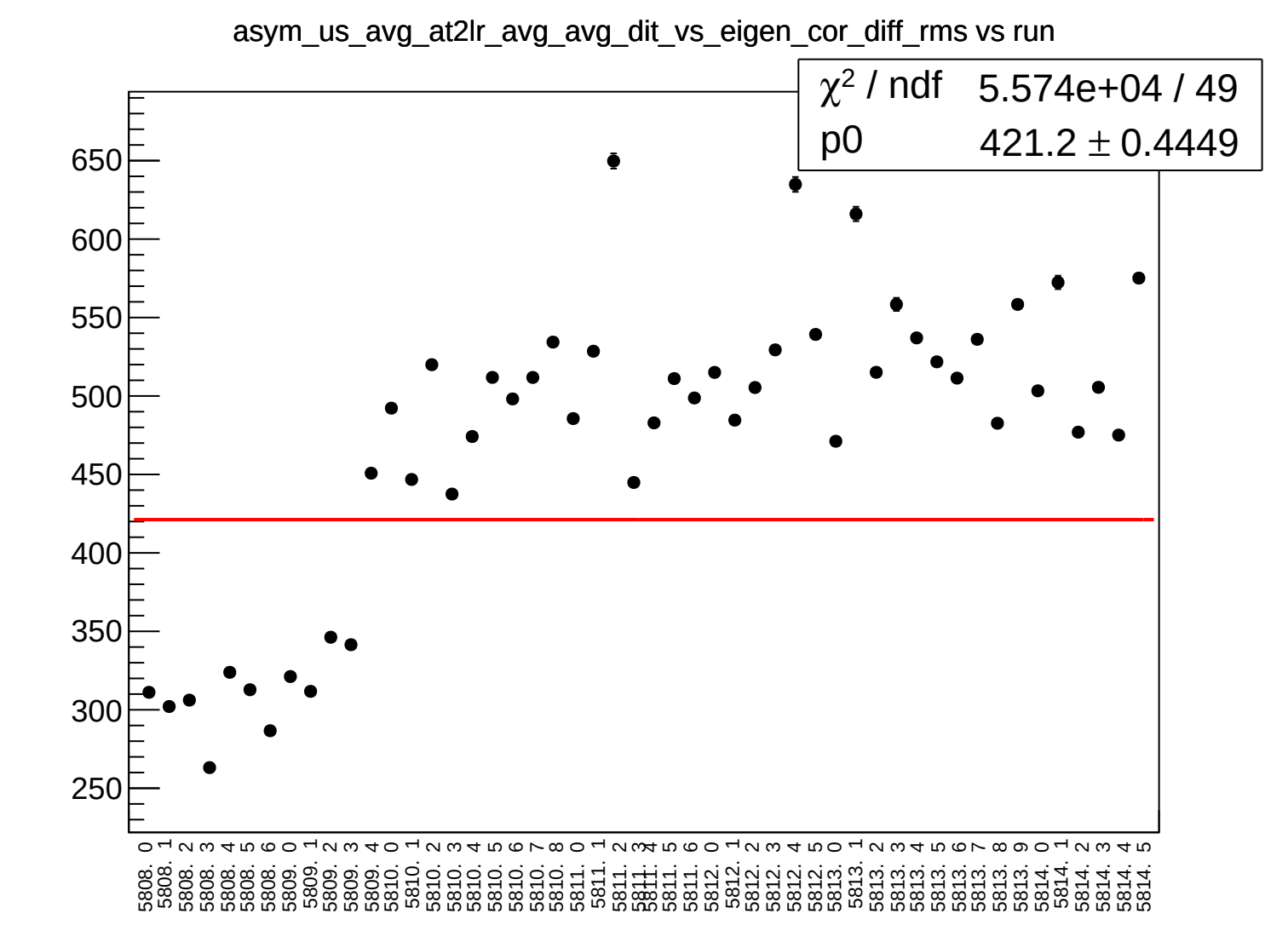

asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.914e+05 / 49
p0 4.084e−10 ± 6.8e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

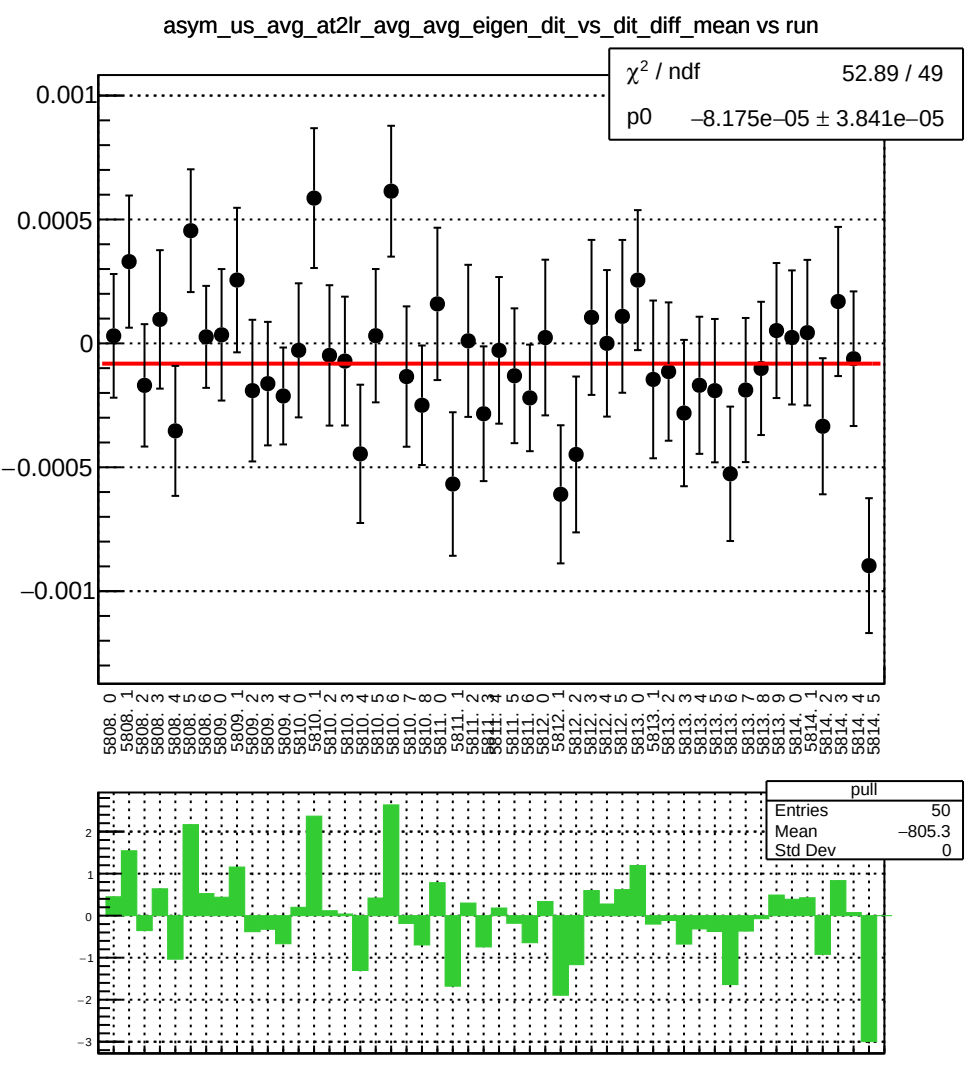

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 49
p0 1.418 ± 0.6292
pull
Entries 50
Mean 55.79
Std Dev 0
pull1D
Entries 50
Mean 0.009339
Std Dev 1.044

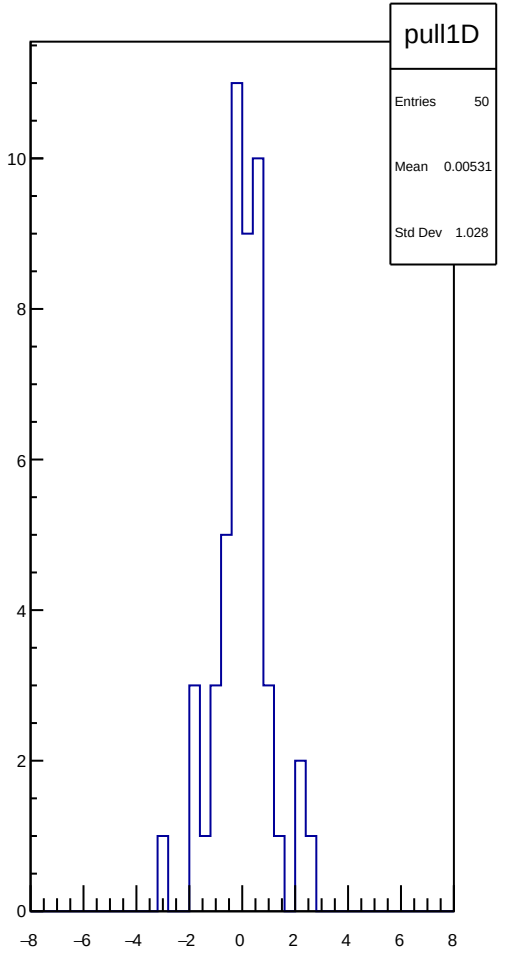

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 421.2 ± 0.4449
650
600
550
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

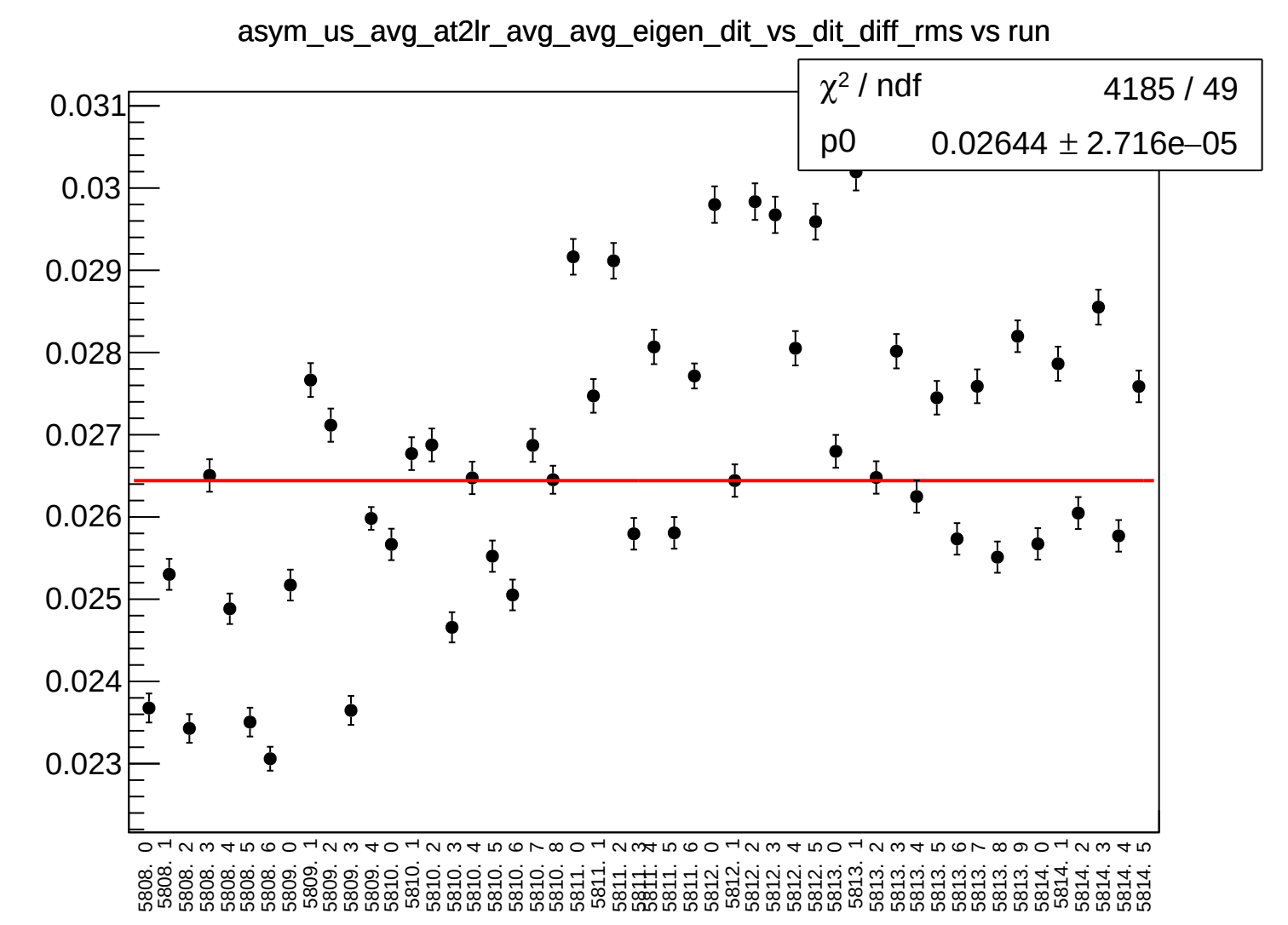

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 49
p0 1.418 ± 0.6292
pull
Entries 50
Mean 55.79
Std Dev 0


pull1D
Entries 50
Mean 0.009339
Std Dev 1.044


asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.574e+04 / 49
p0 421.2 ± 0.4449
650
600
550
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 52.89 / 49
p0 −8.175e−05 ± 3.841e−05
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 50
Mean −805.3
Std Dev 0


pull1D
Entries 50
Mean 0.00531
Std Dev 1.028


asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4185 / 49
p0 0.02644 ± 2.716e−05
0.031
0.03
0.029
0.028
0.027
0.026
0.025
0.024
0.023
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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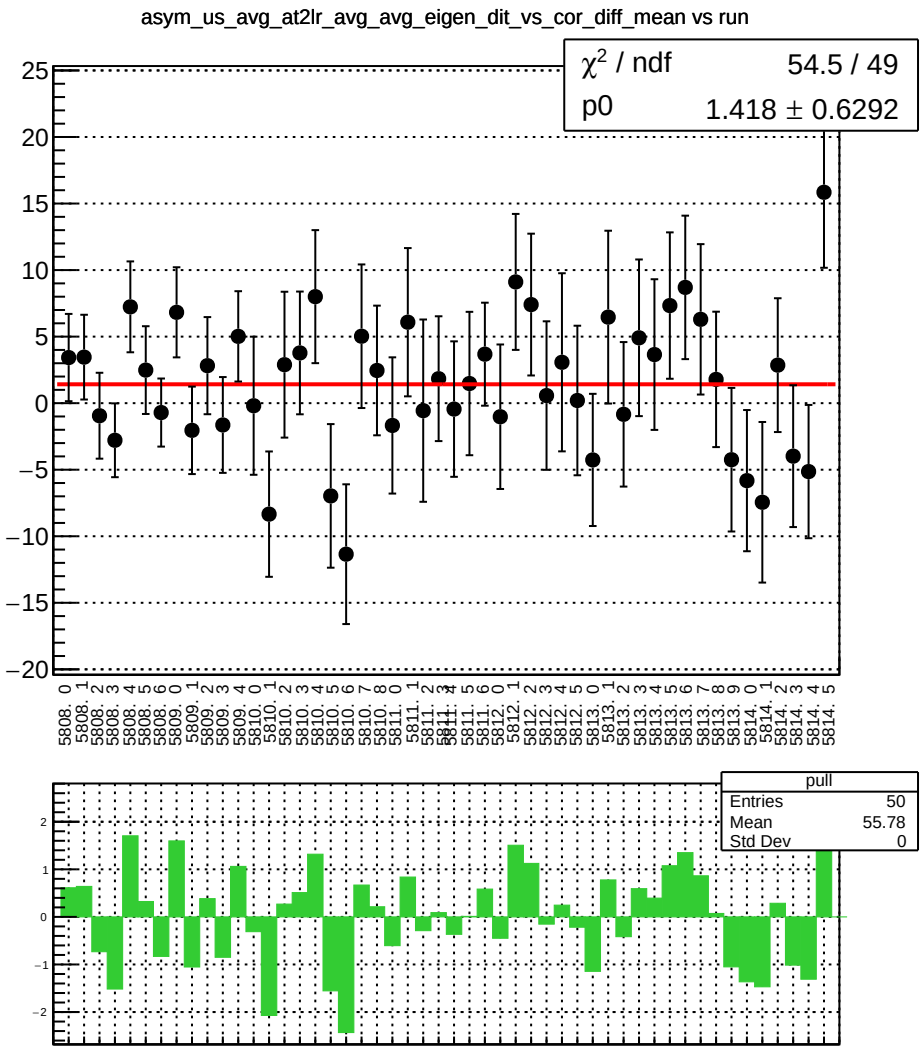
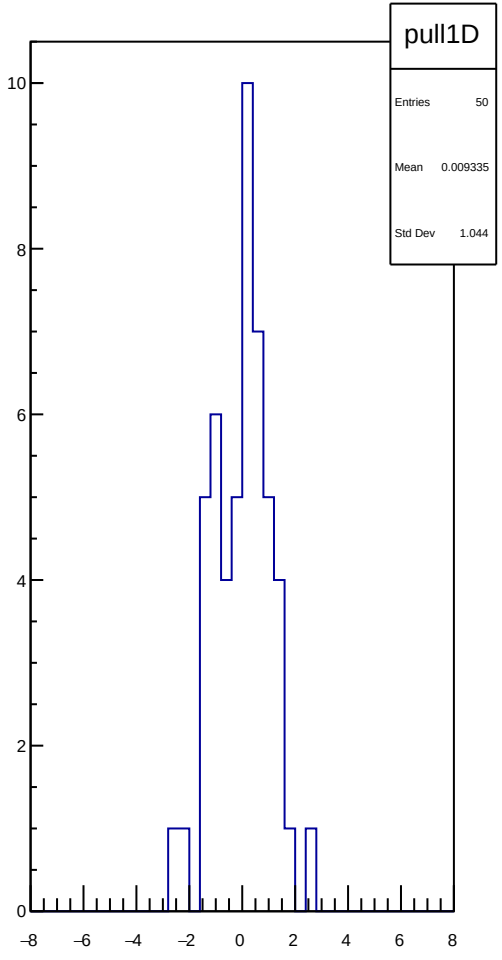
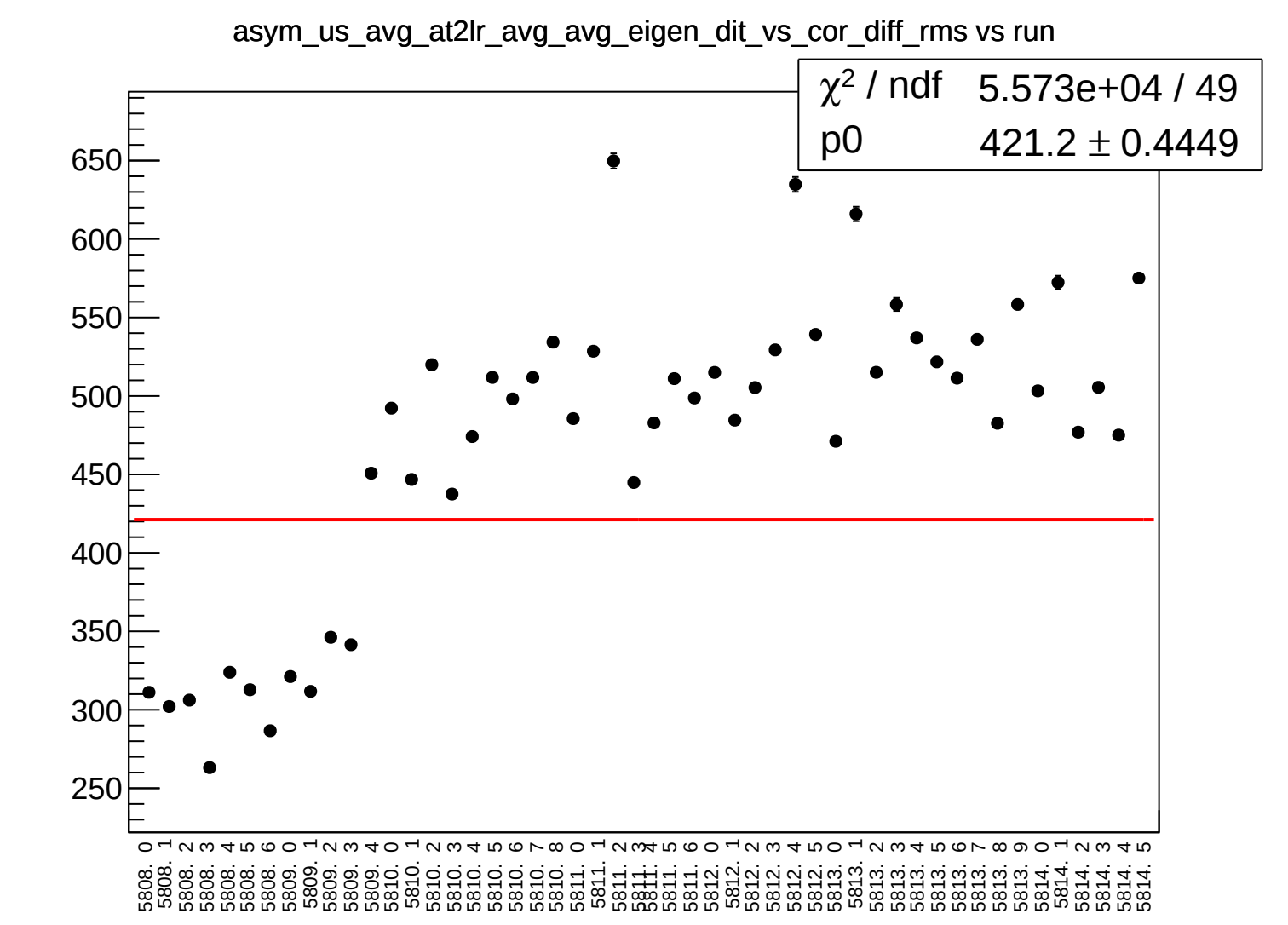
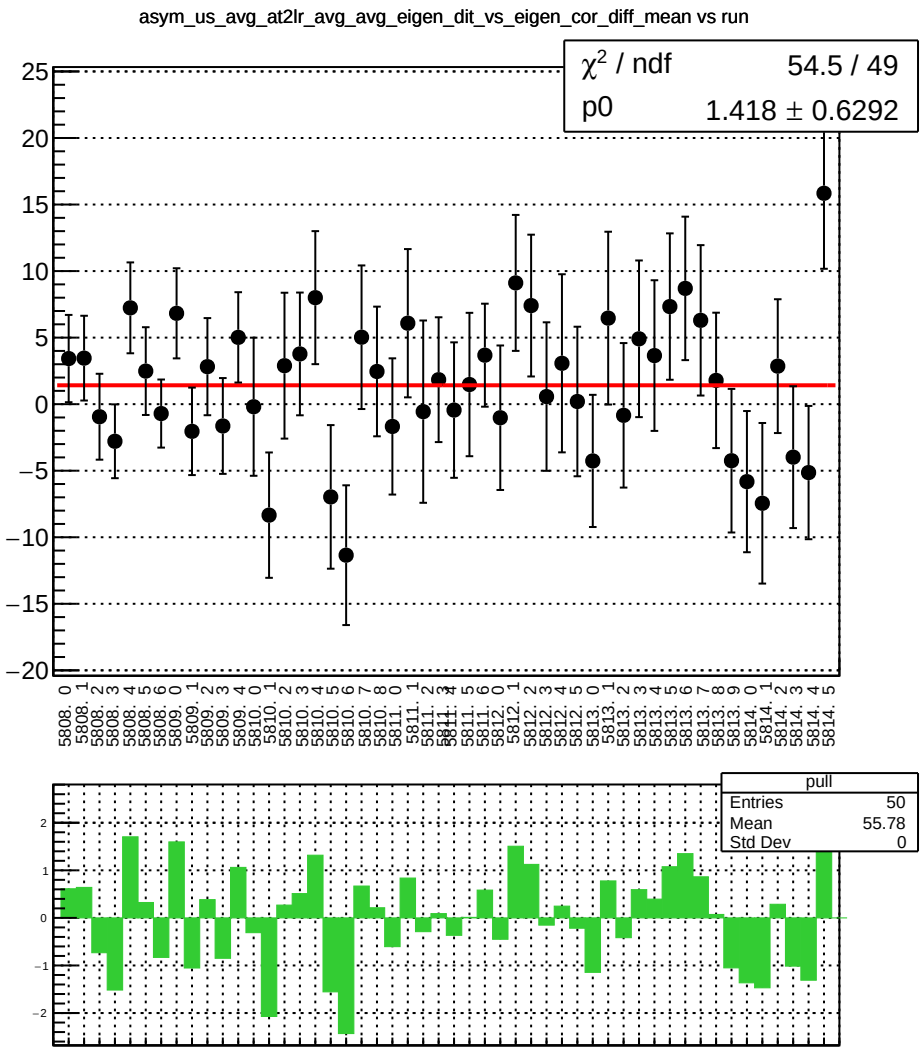
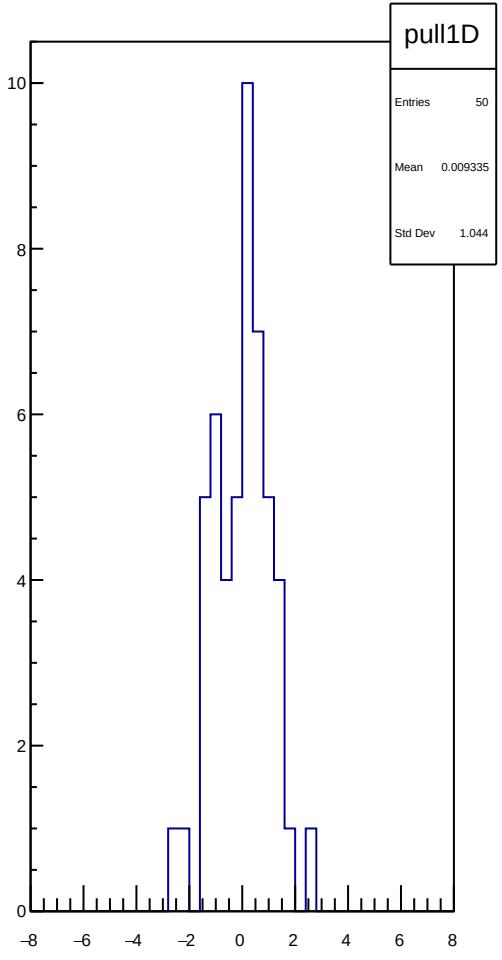
5814. 4
5814. 5

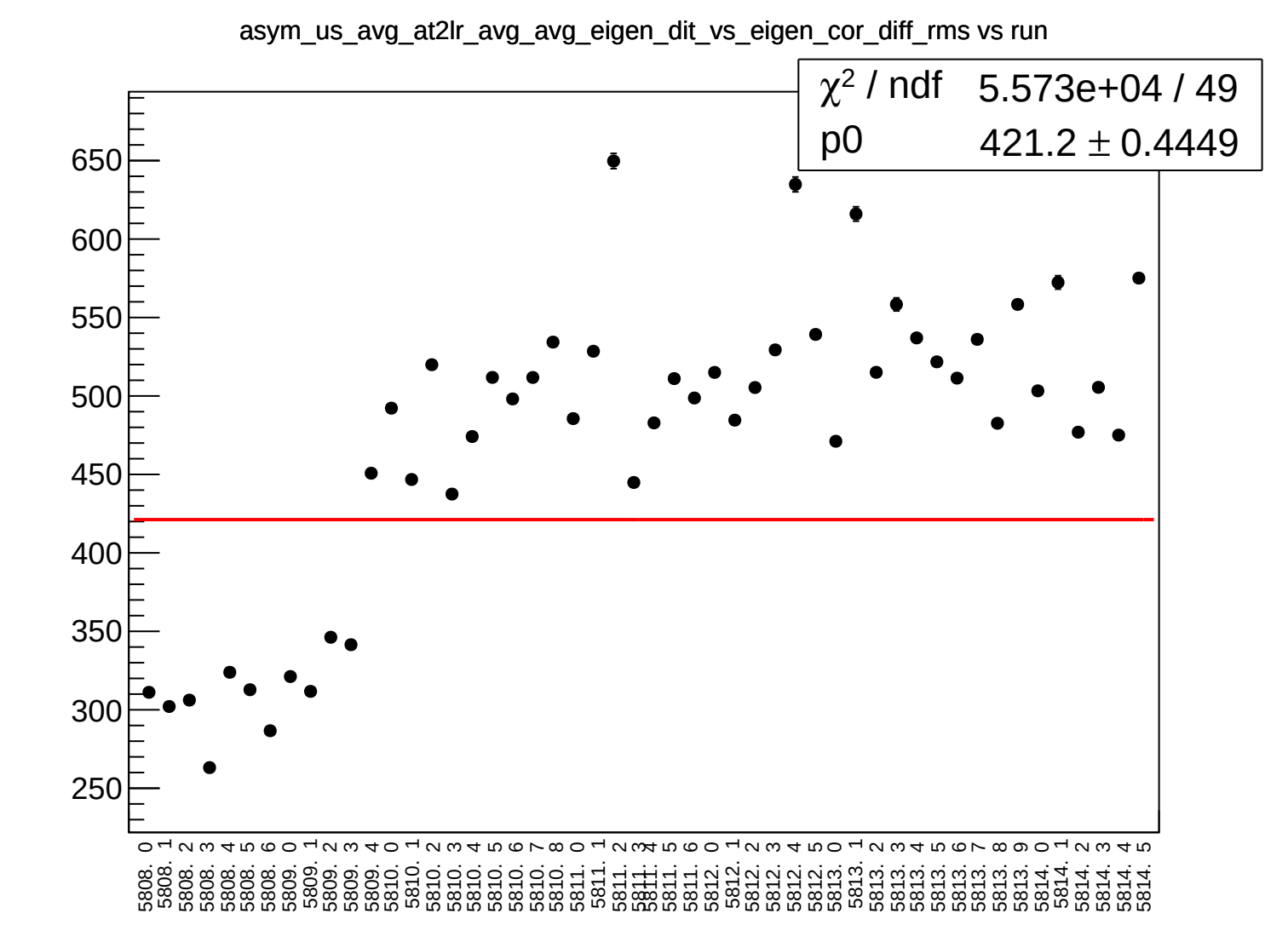

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.5 / 49
p0 1.418 ± 0.6292
pull
Entries 50
Mean 55.78
Std Dev 0

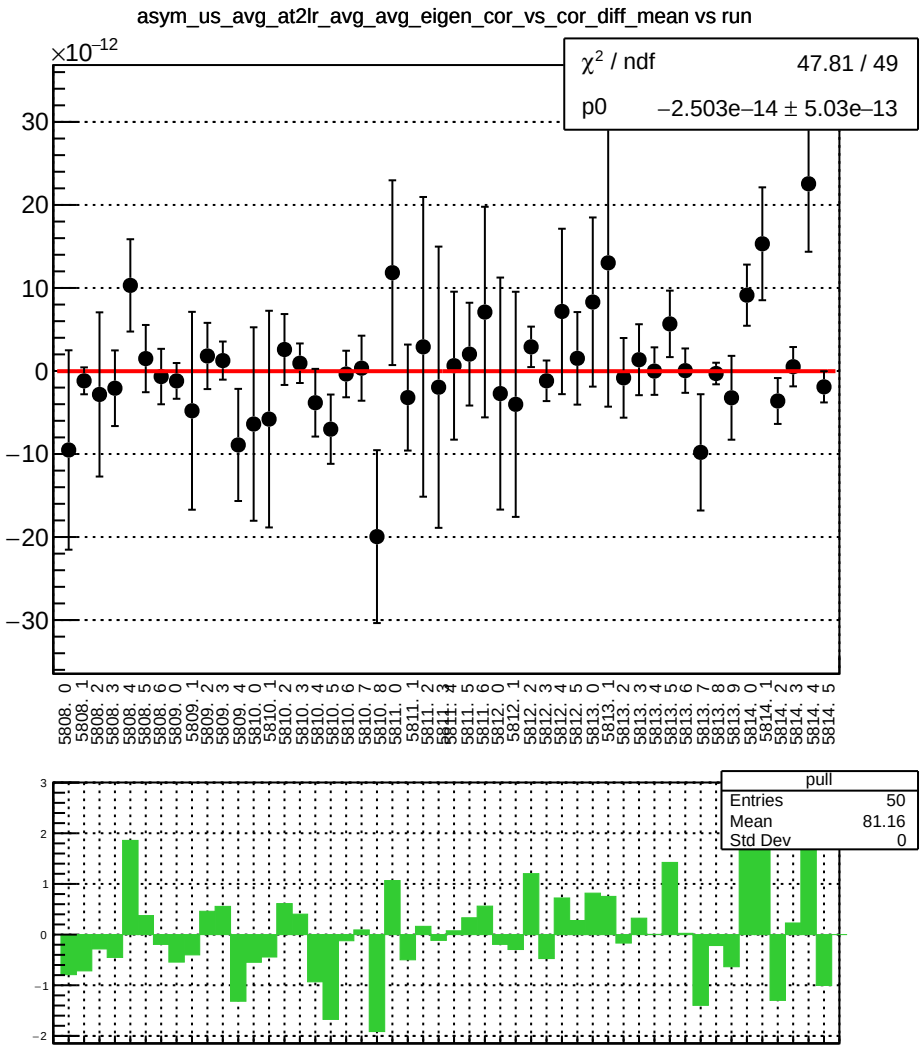

pull1D
Entries 50
Mean 0.009335
Std Dev 1.044

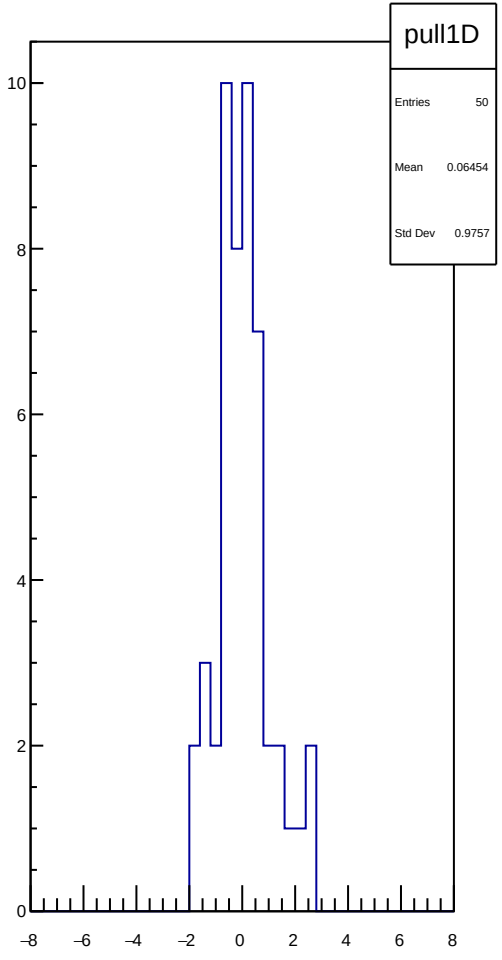

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.573e+04 / 49
p0 421.2 ± 0.4449
650
600
550
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

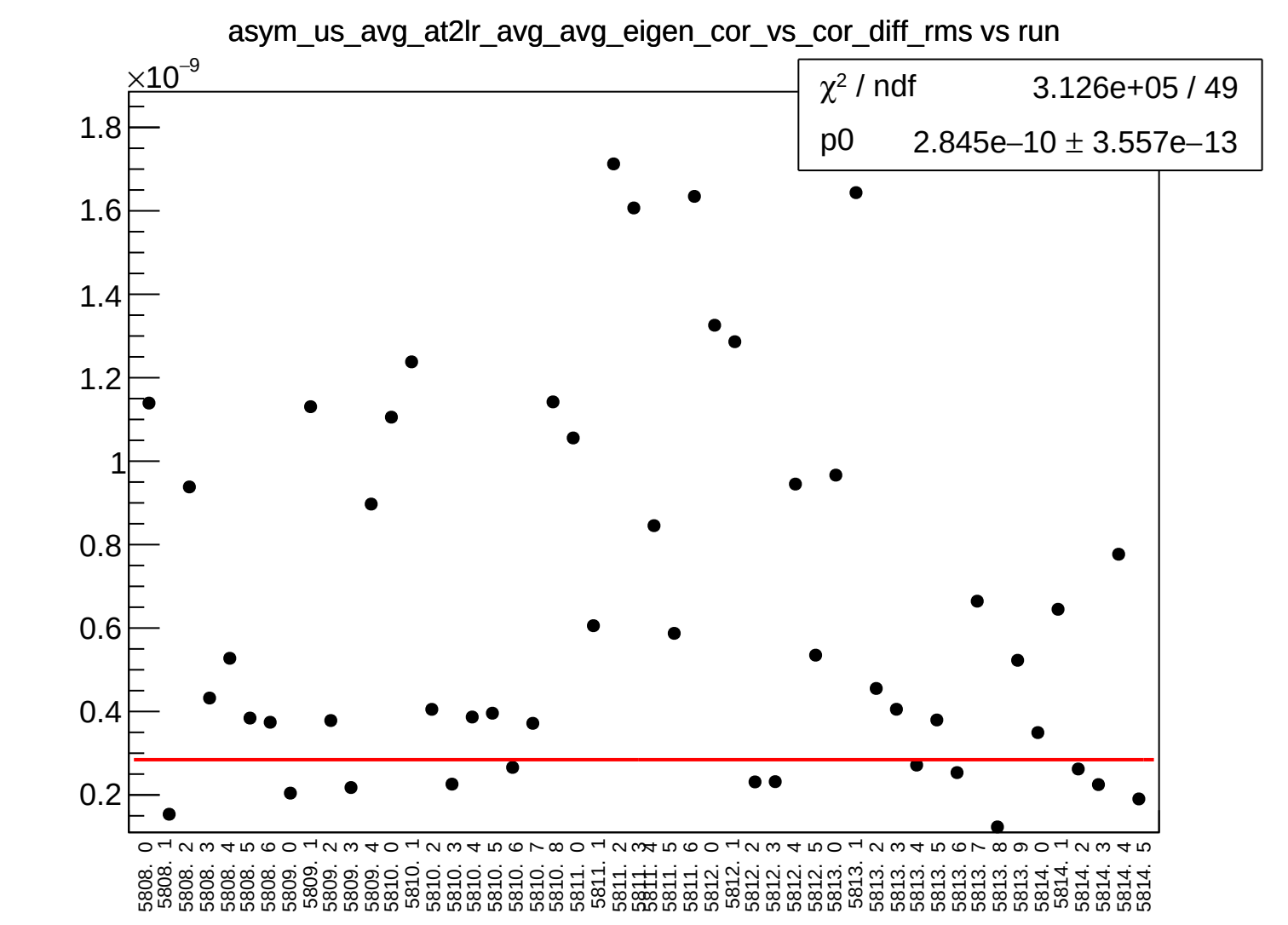

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.5 / 49
p0 1.418 ± 0.6292
pull
Entries 50
Mean 55.78
Std Dev 0

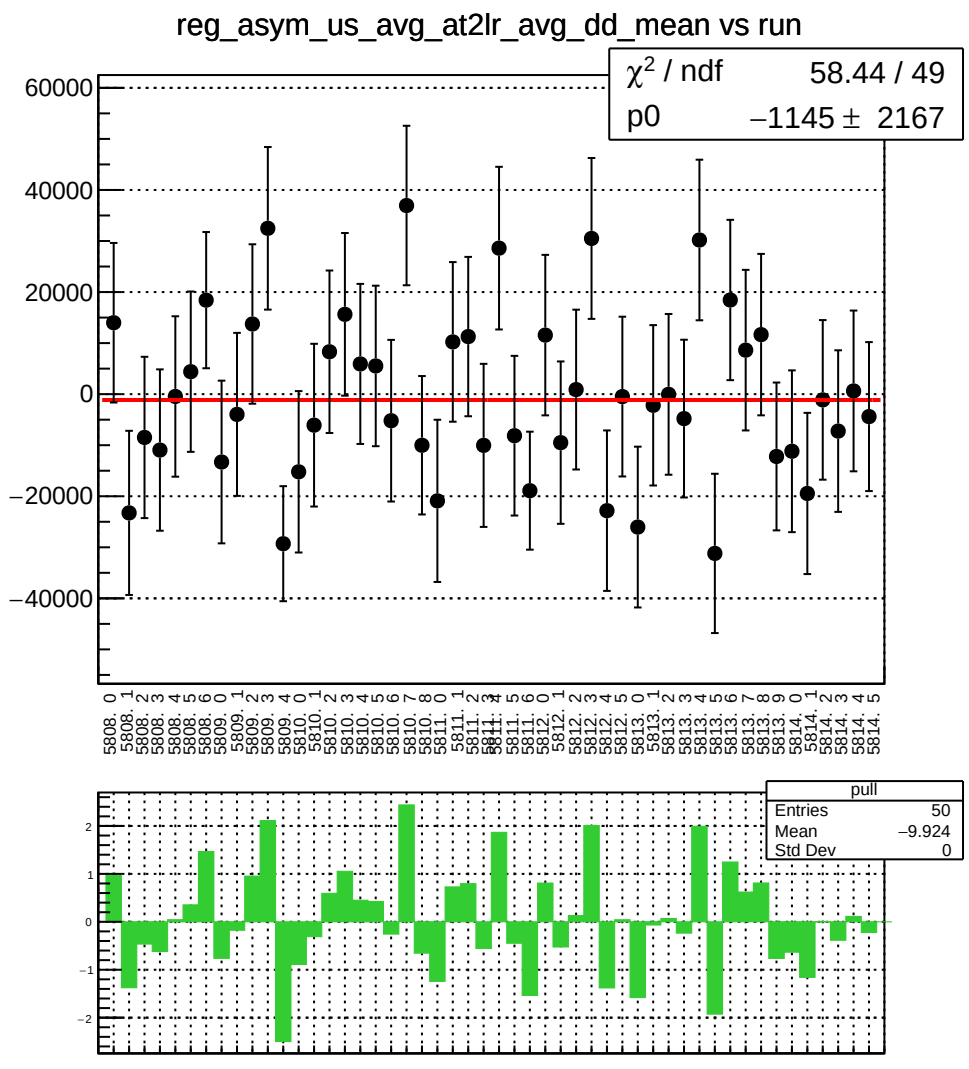

pull1D
Entries 50
Mean 0.009335
Std Dev 1.044

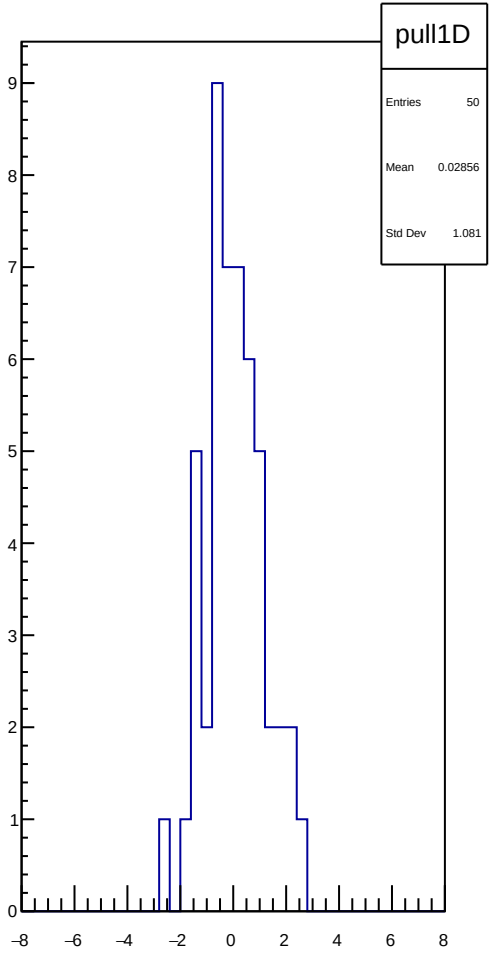

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.573e+04 / 49
p0 421.2 ± 0.4449
650
600
550
500
450
400
350
300
250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

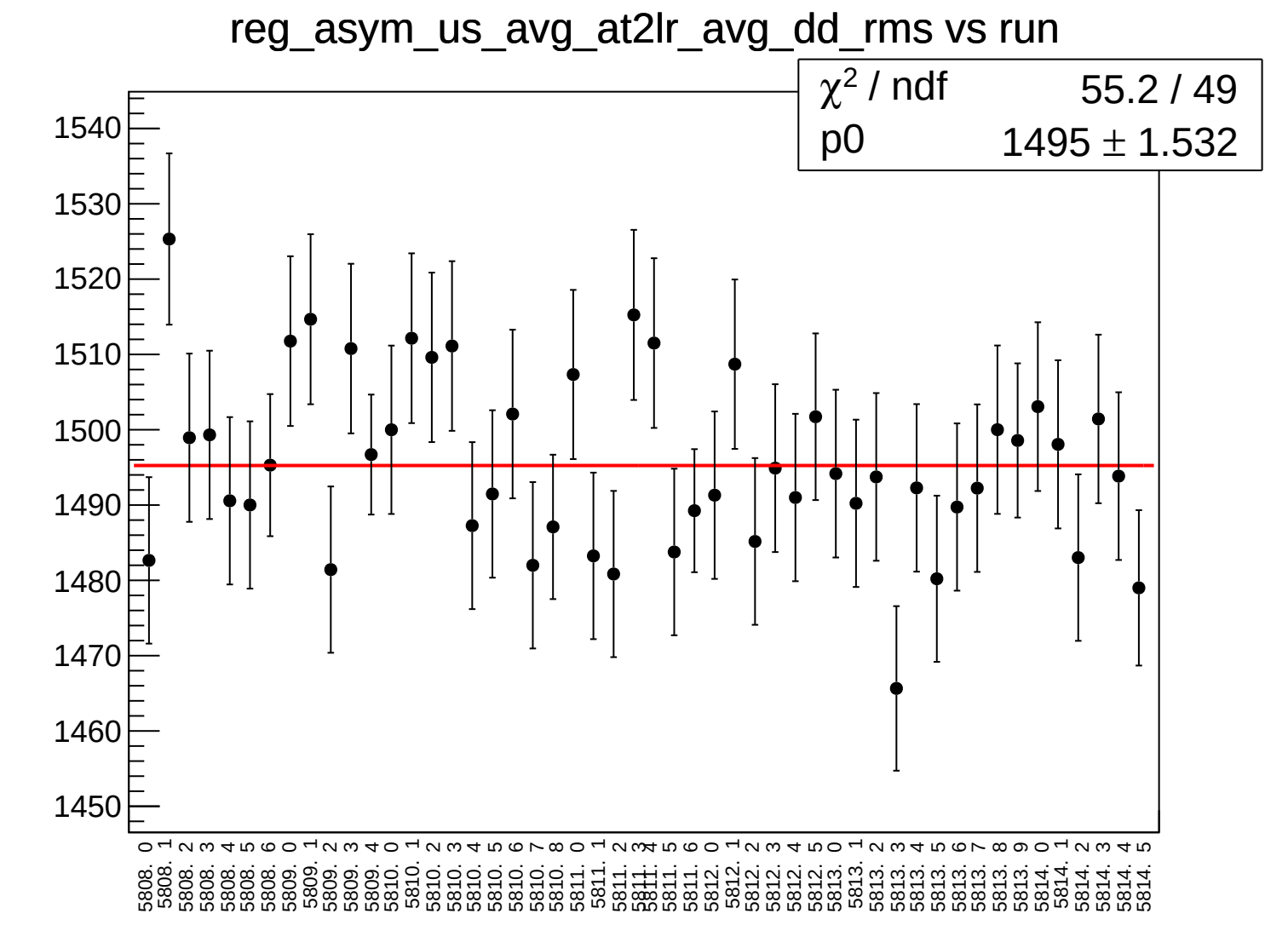

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.81 / 49
p0 −2.503e−14 ± 5.03e−13
pull
Entries 50
Mean 81.16
Std Dev 0

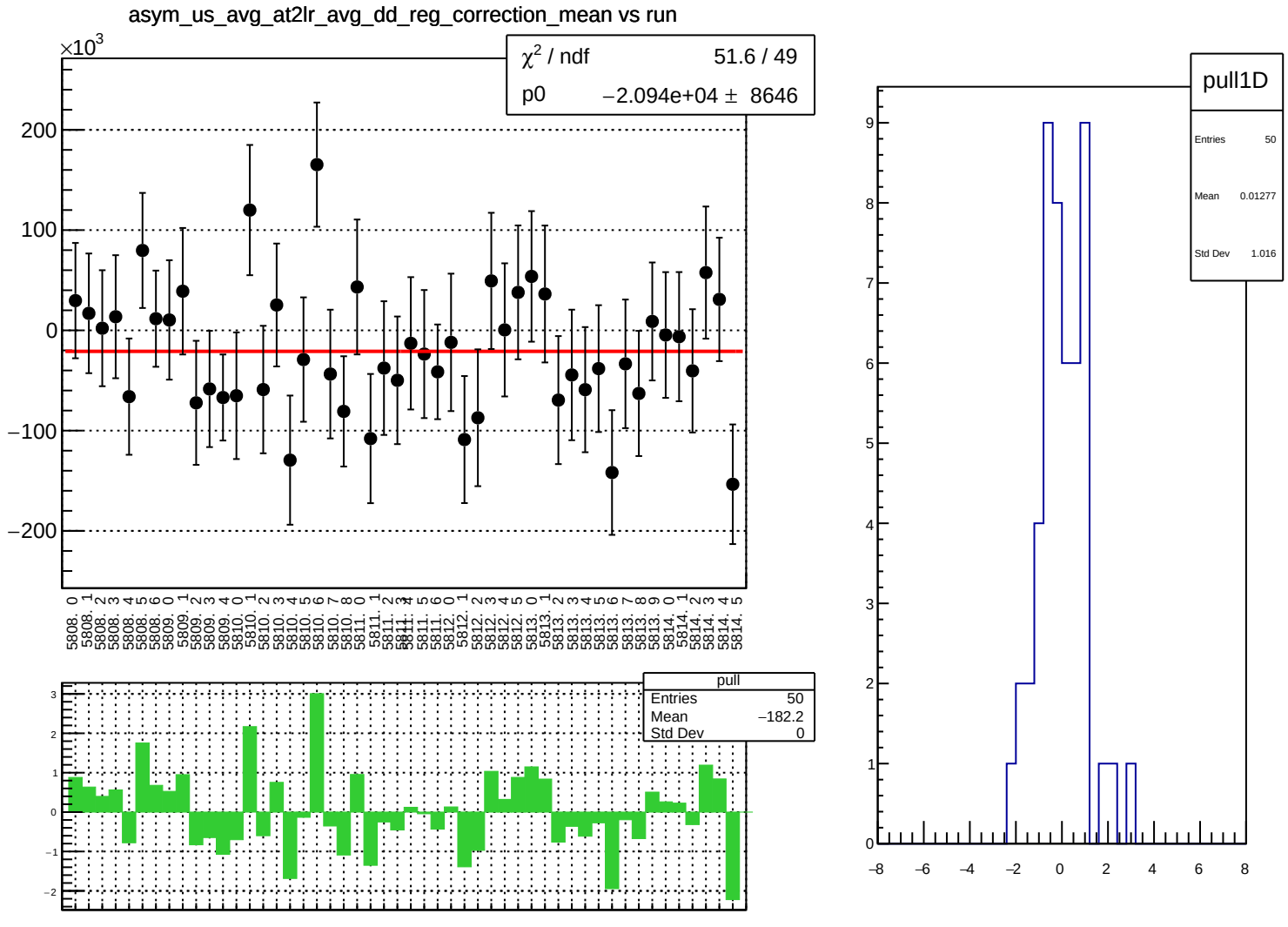

pull1D
Entries 50
Mean 0.06454
Std Dev 0.9757

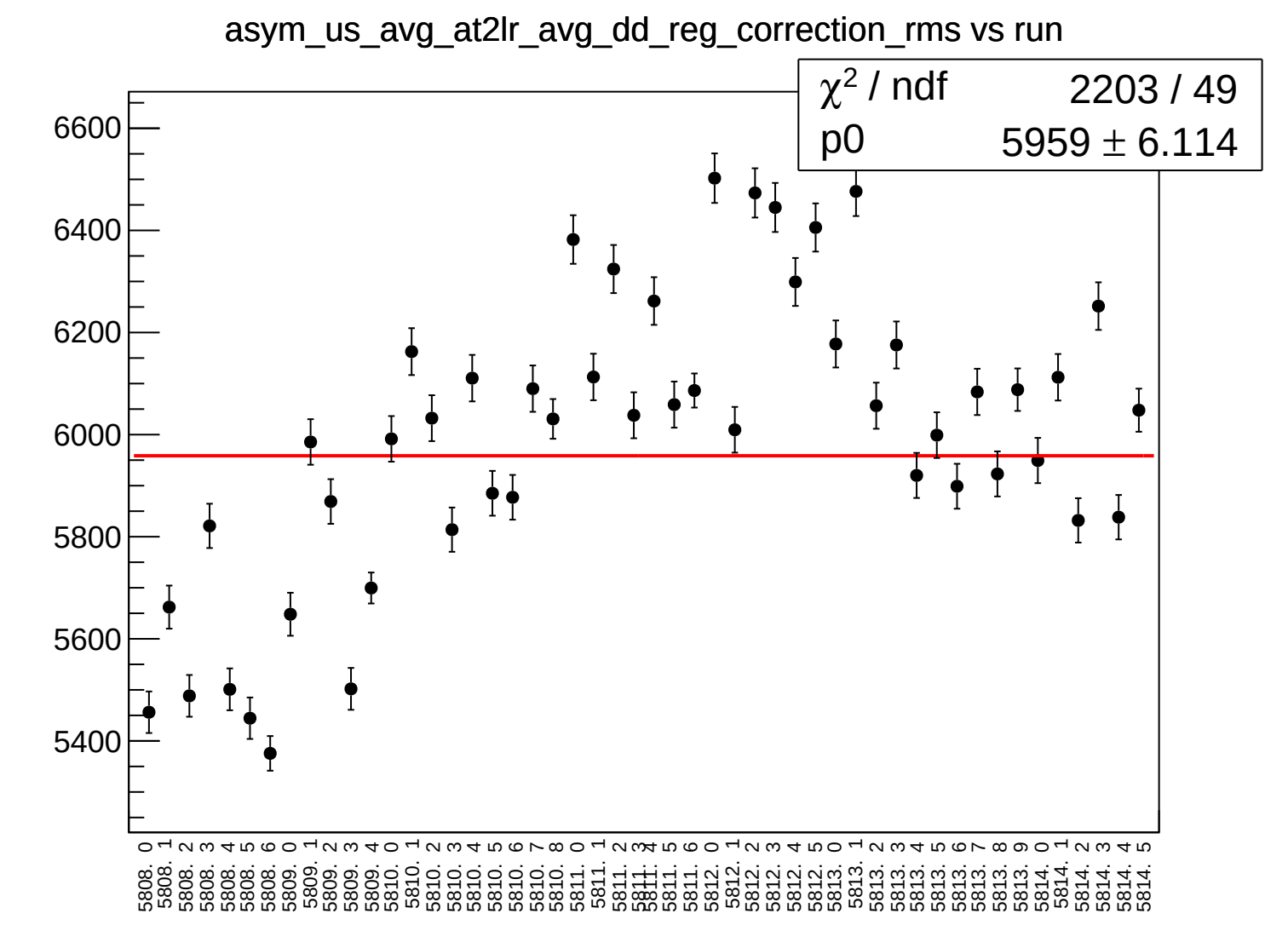

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.126e+05 / 49
p0 2.845e−10 ± 3.557e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

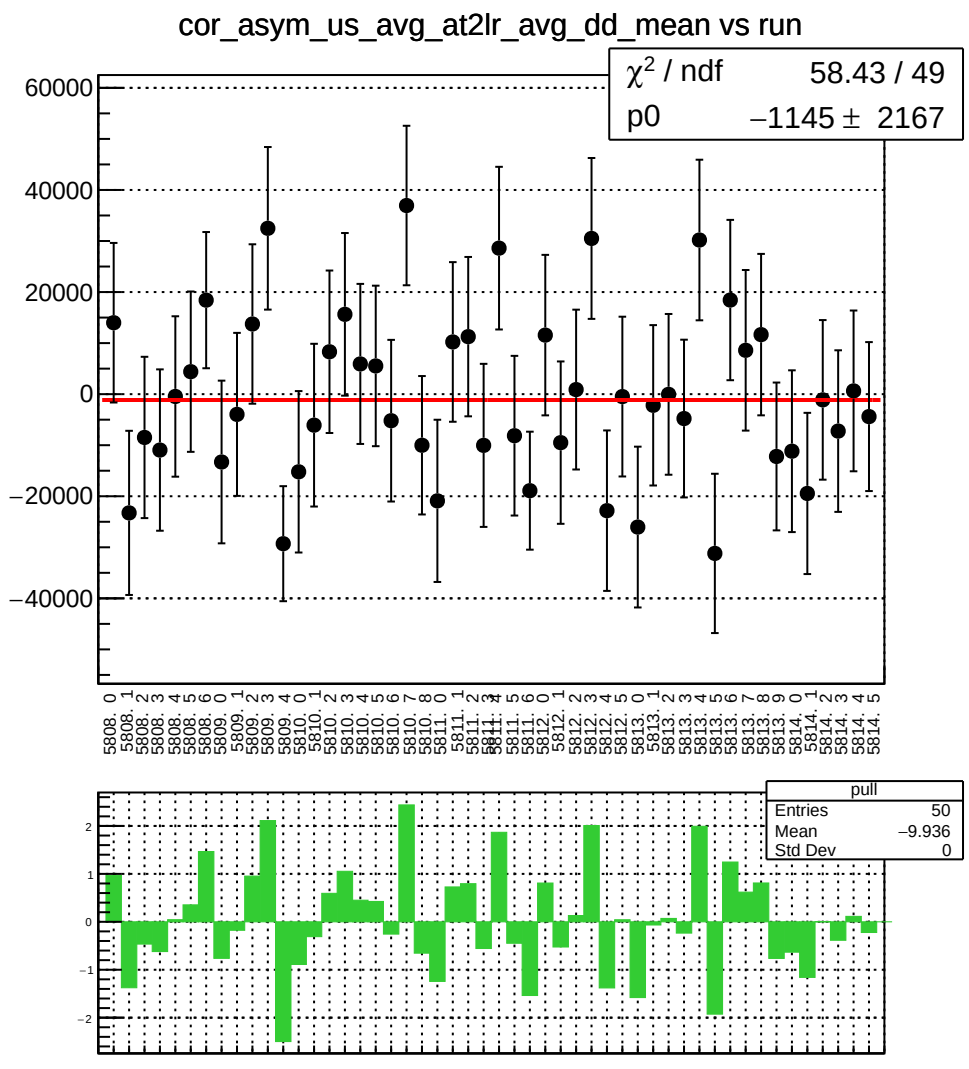

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.44 / 49
p0 −1145 ± 2167
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −9.924
Std Dev 0
2
1
0
−1
−2

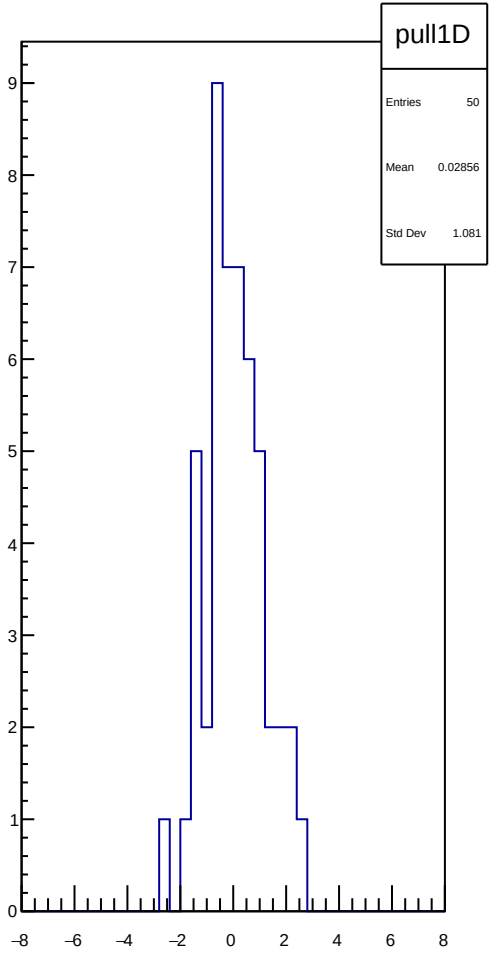

pull1D
Entries 50
Mean 0.02856
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

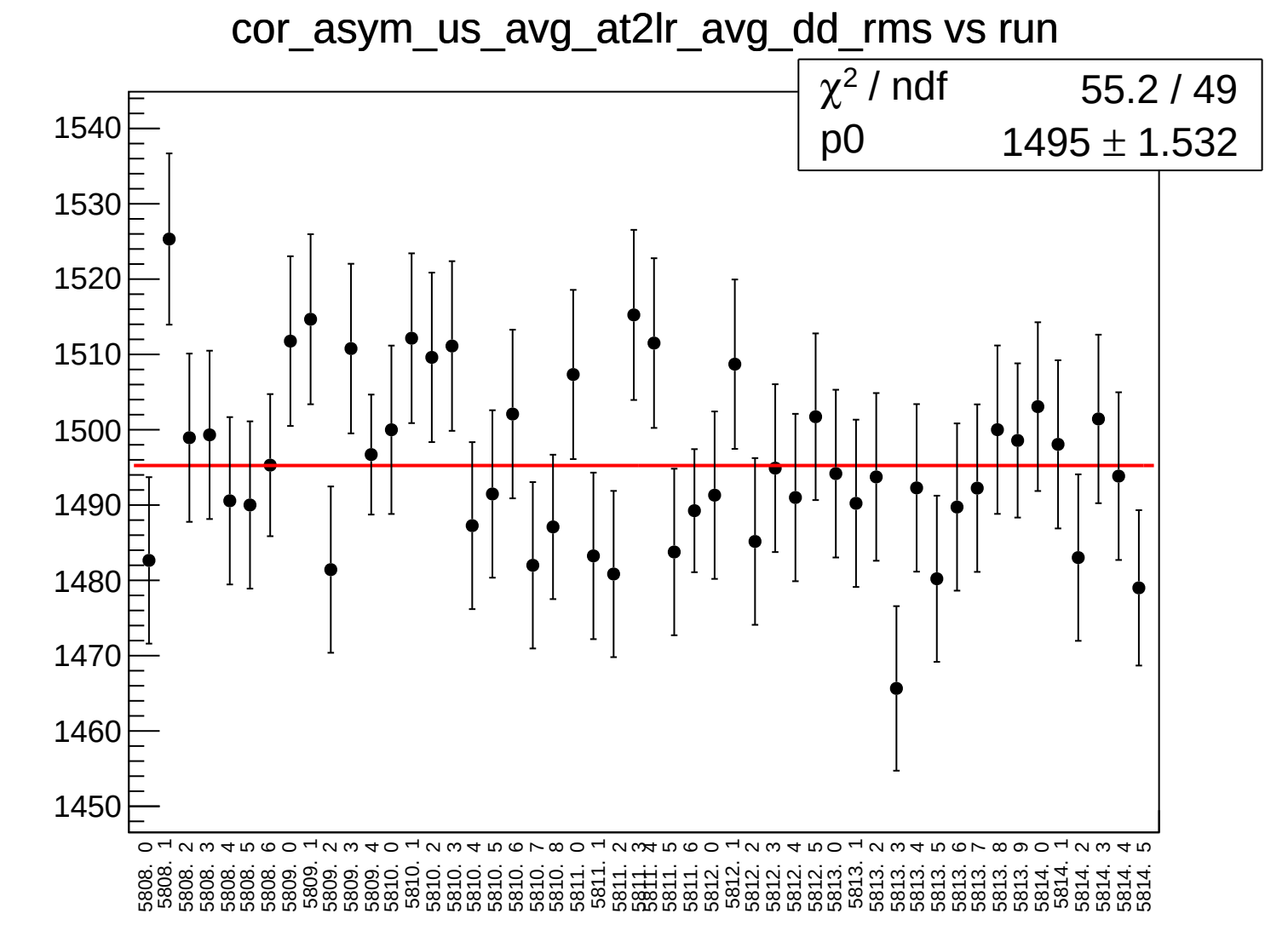

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 55.2 / 49
p0 1495 ± 1.532
1540
1530
1520
1510
1500
1490
1480
1470
1460
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

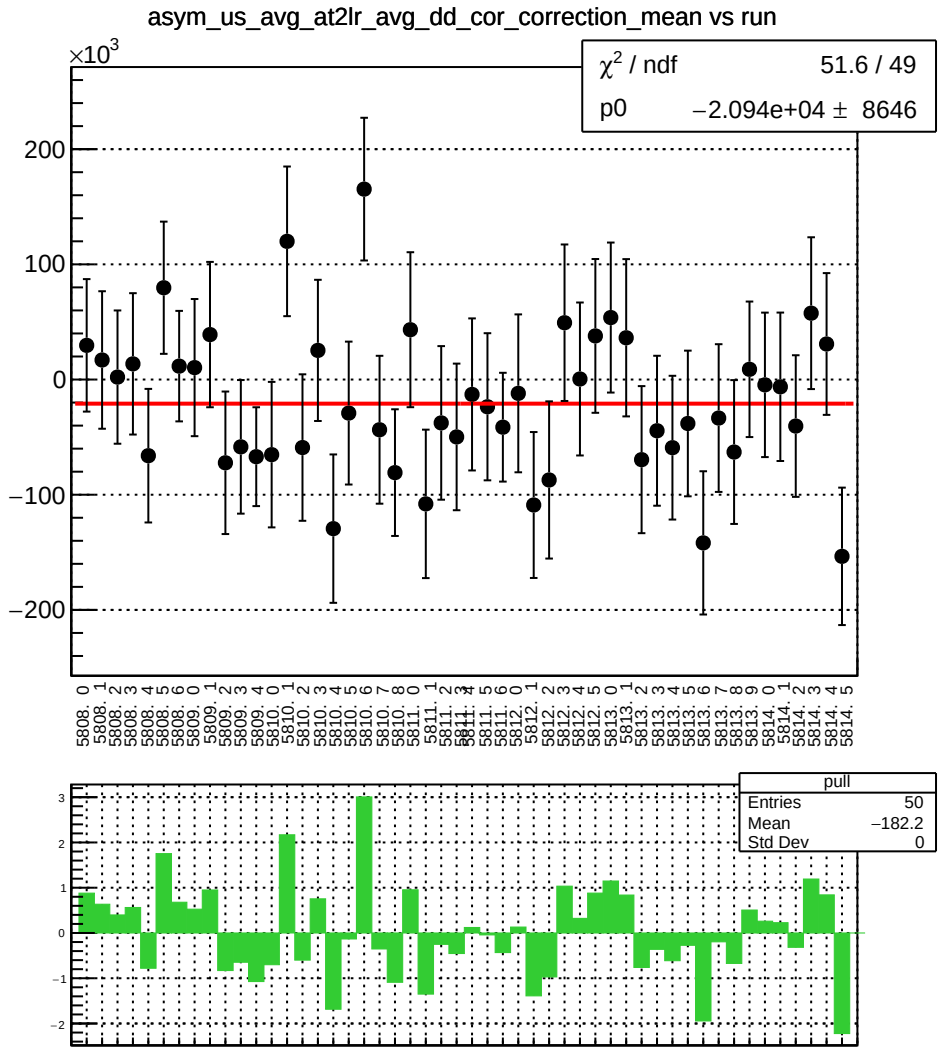

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 51.6 / 49
p0 −2.094e+04 ± 8646
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −182.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01277
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

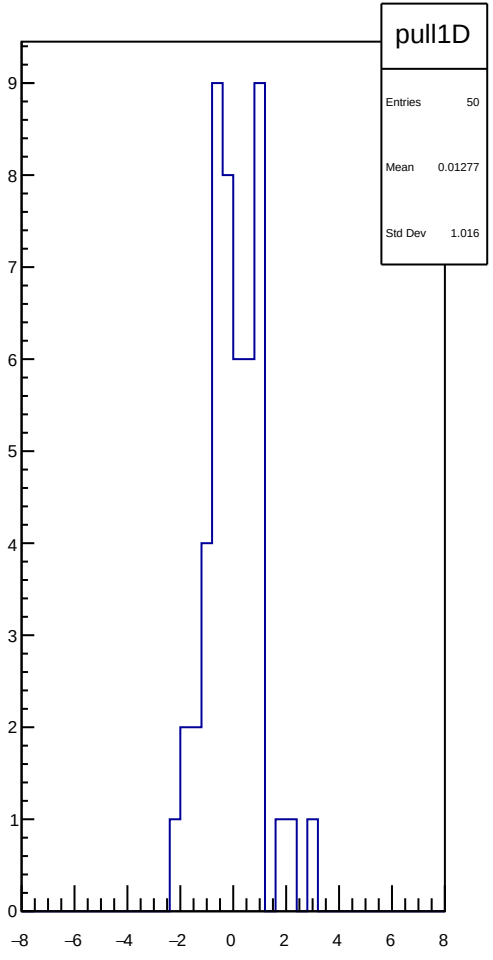

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 2203 / 49
p0 5959 ± 6.114
6600
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

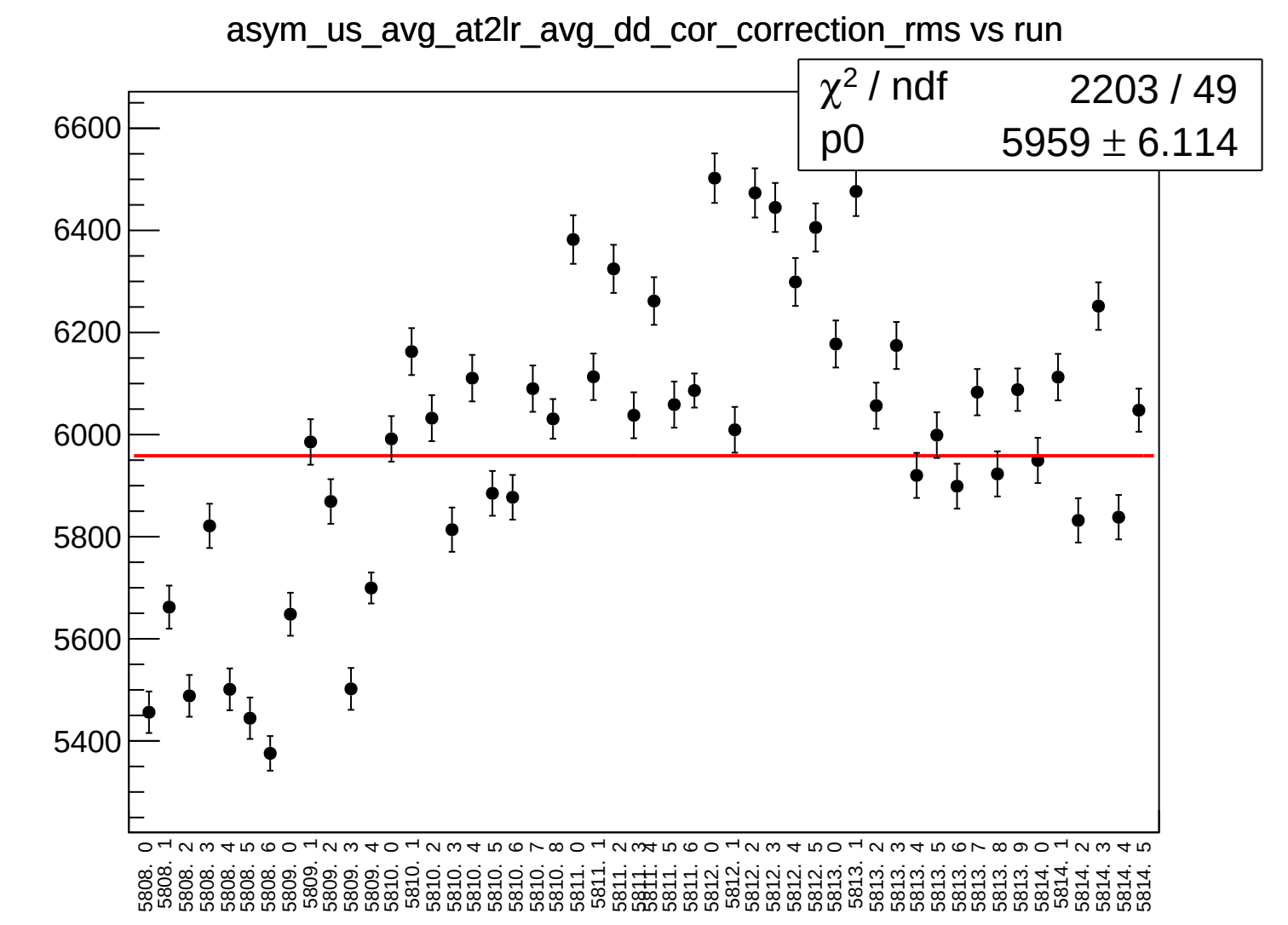

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.43 / 49
p0 −1145 ± 2167
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −9.936
Std Dev 0
2
1
0
−1
−2

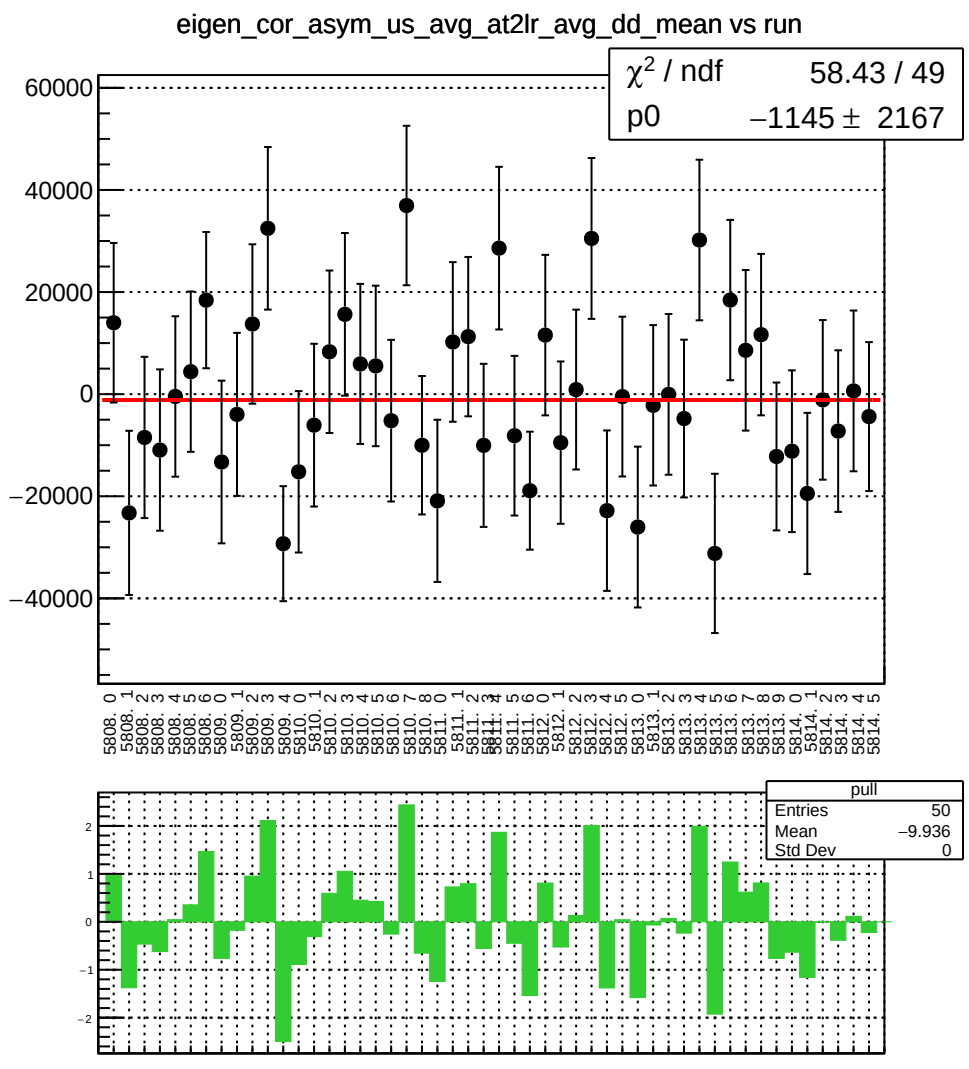

pull1D
Entries 50
Mean 0.02856
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

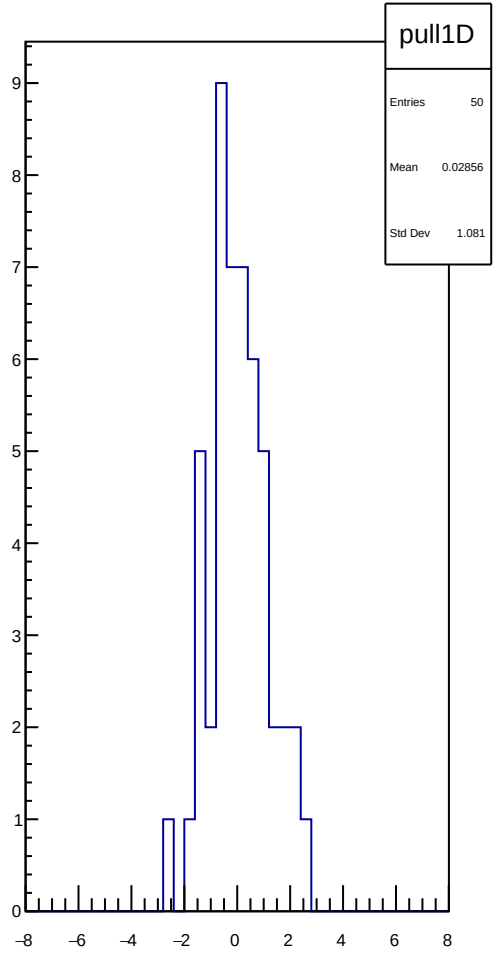

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 55.2 / 49
p0 1495 ± 1.532
1540
1530
1520
1510
1500
1490
1480
1470
1460
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

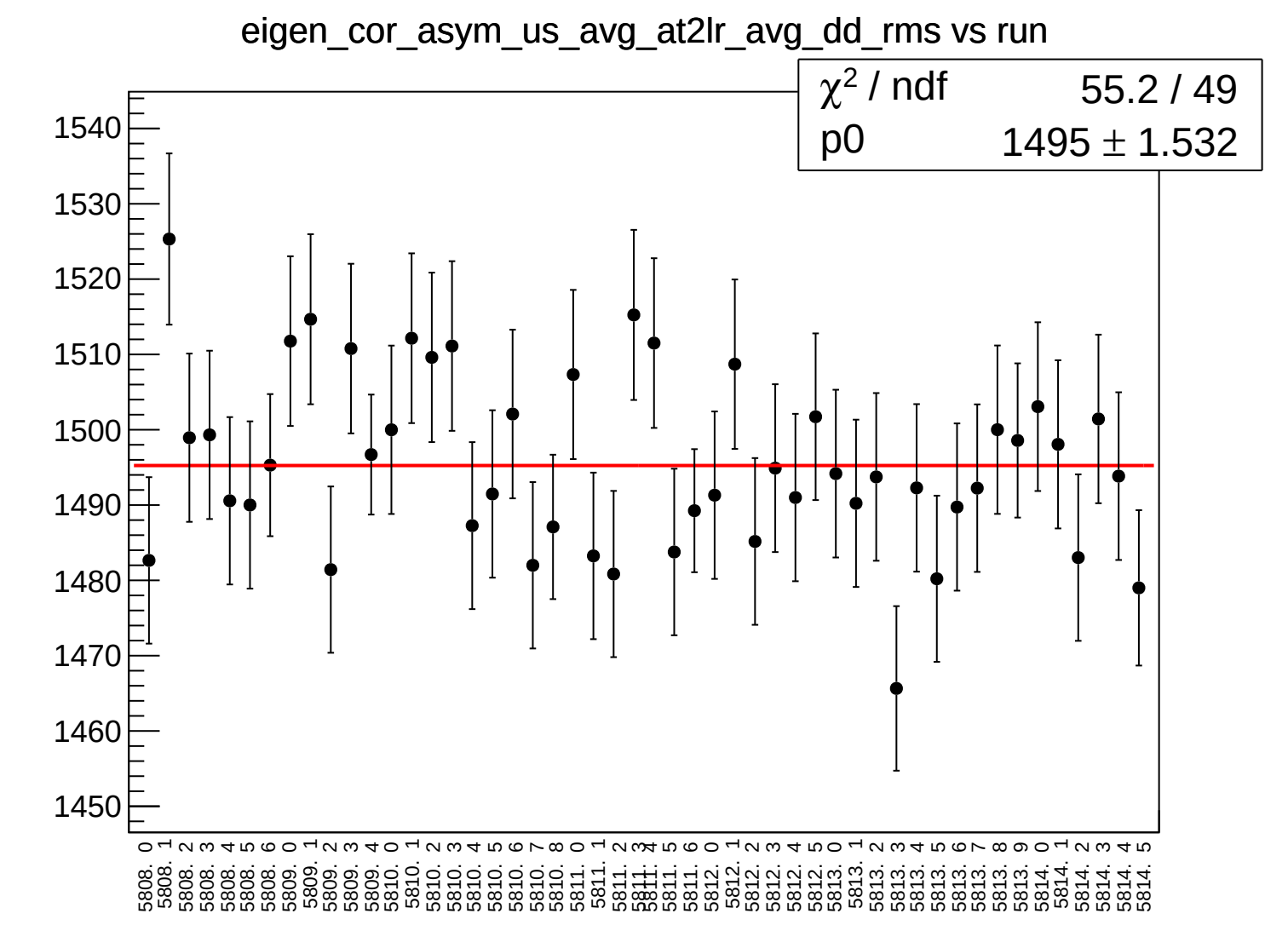

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 51.6 / 49
p0 −2.094e+04 ± 8646
200
100
0
−100
−200
pull
Entries 50
Mean −182.2
Std Dev 0
3
2
1
0
−1
−2

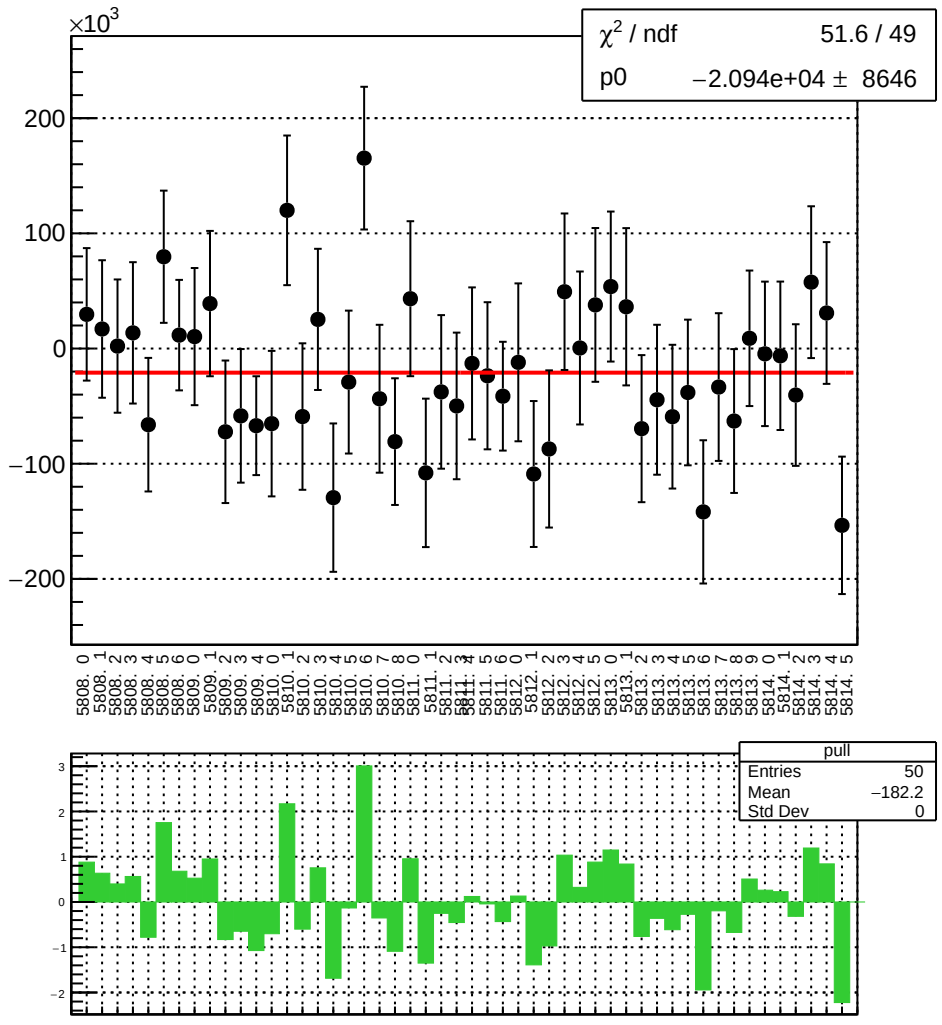

pull1D
Entries 50
Mean 0.01277
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

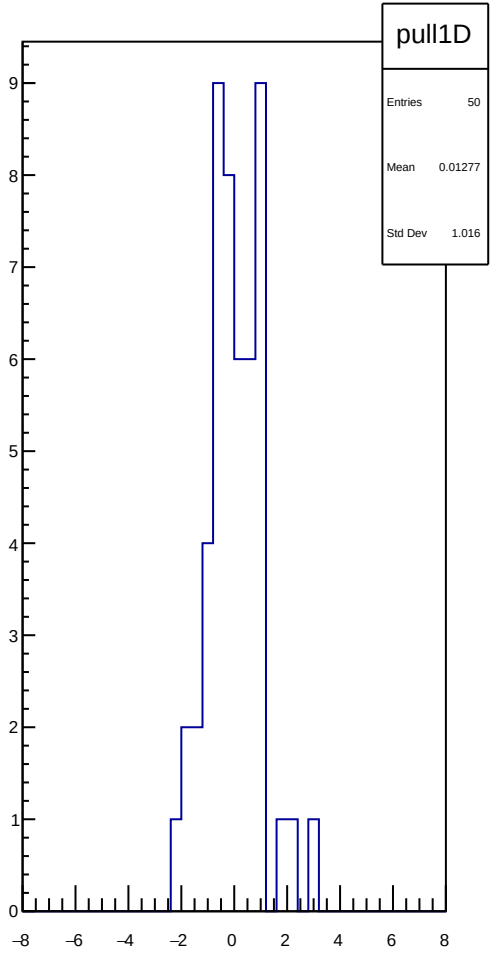

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 2203 / 49
p0 5959 ± 6.114
6600
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

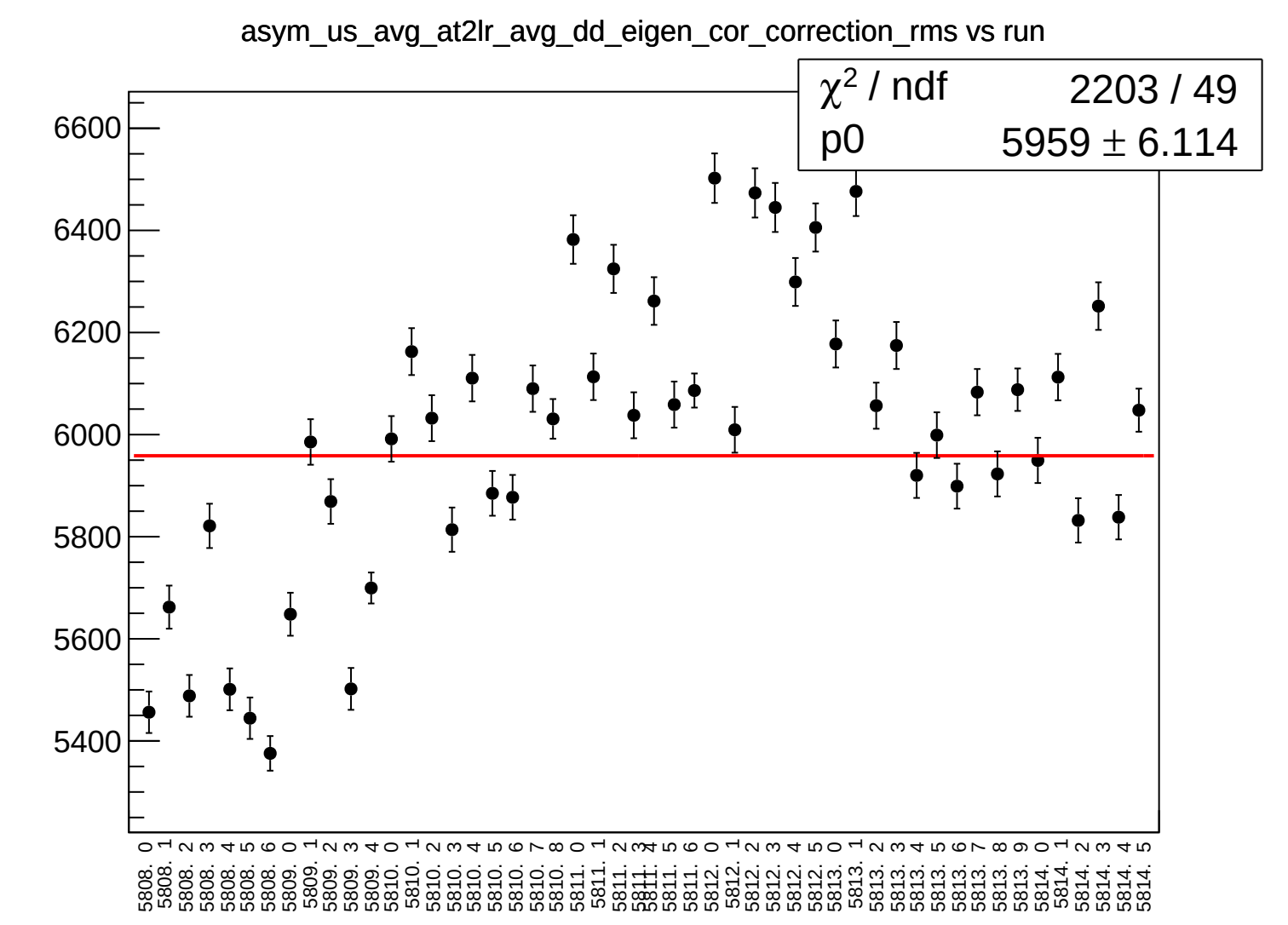

eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 58.43 / 49
p0 −1145 ± 2167
60000
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −9.936
Std Dev 0
2
1
0
−1
−2

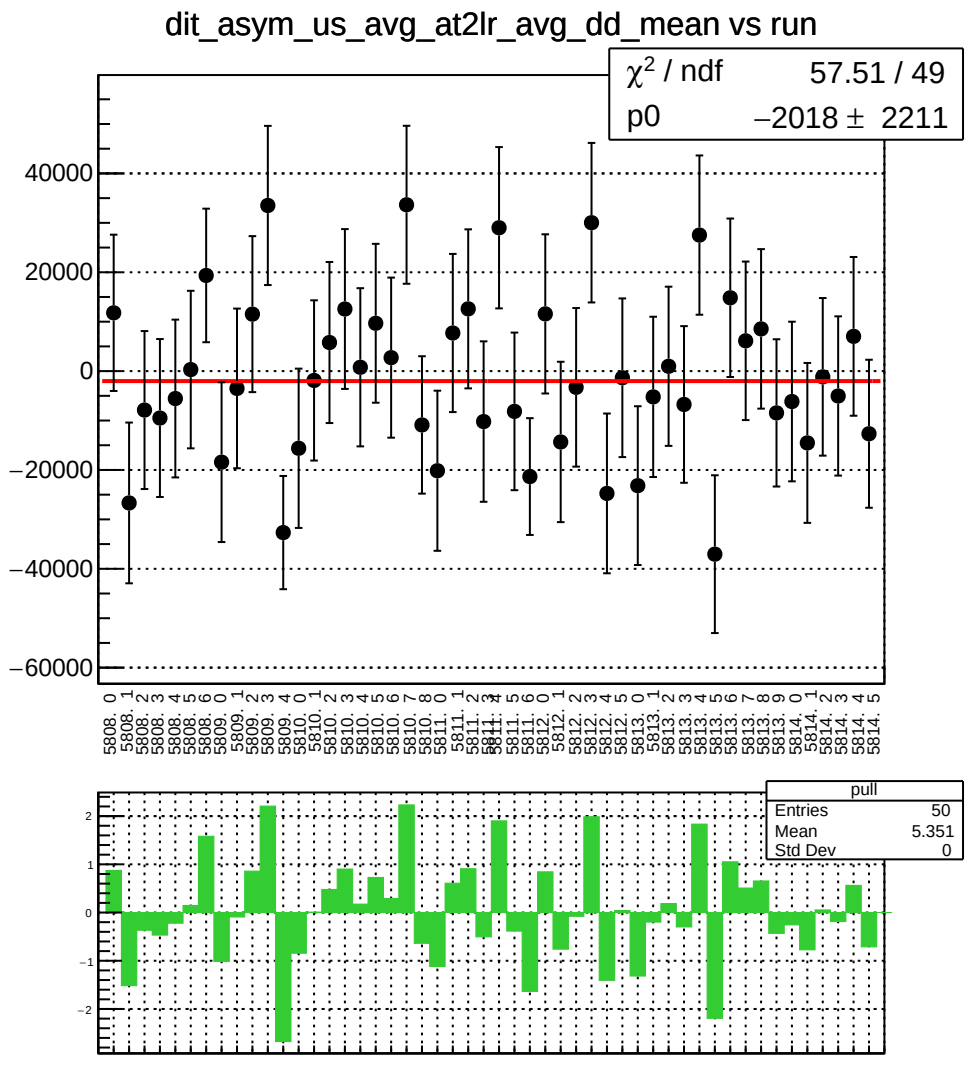

pull1D
Entries 50
Mean 0.02856
Std Dev 1.081
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

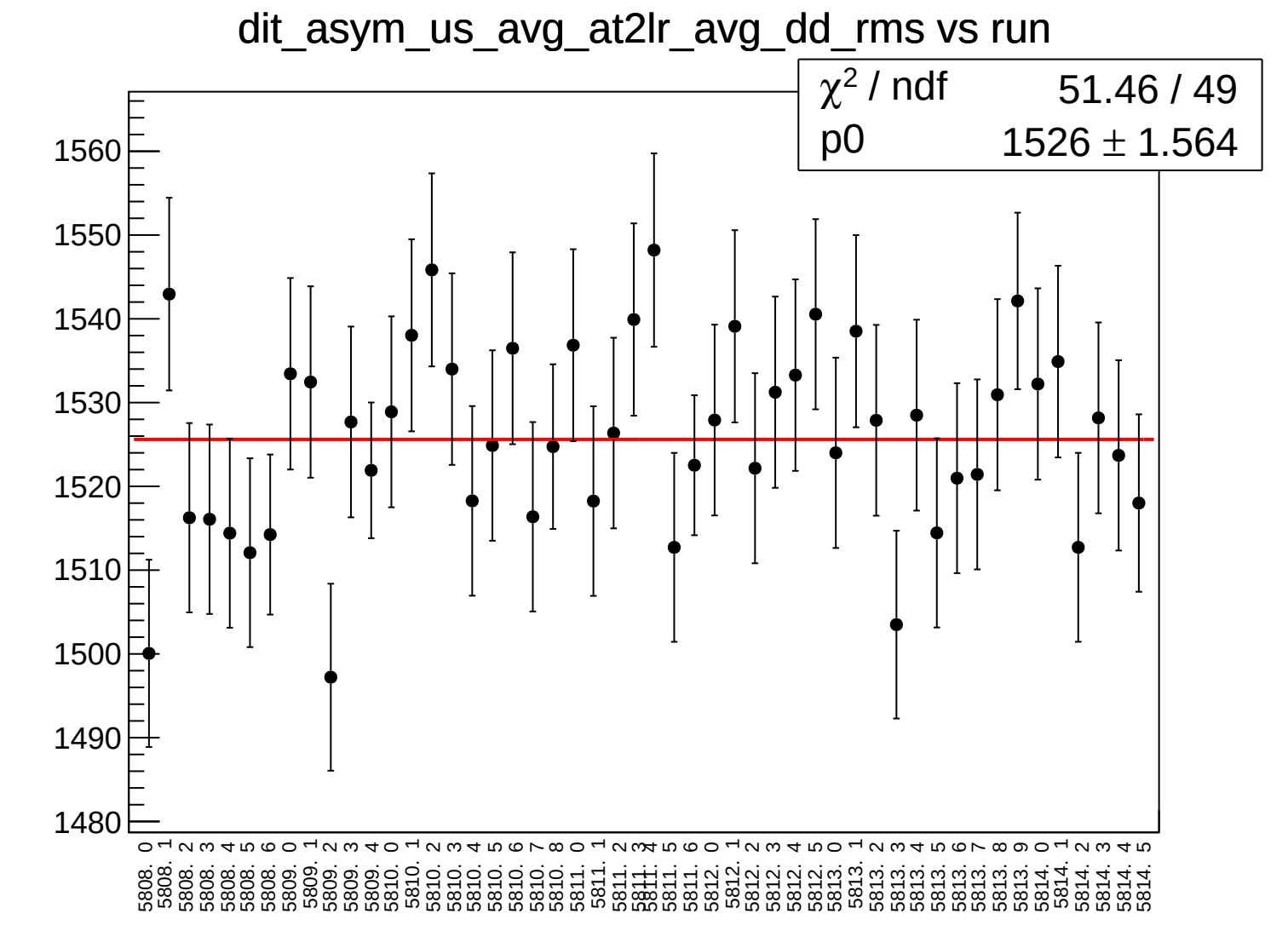

eigen_cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 55.2 / 49
p0 1495 ± 1.532
1540
1530
1520
1510
1500
1490
1480
1470
1460
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

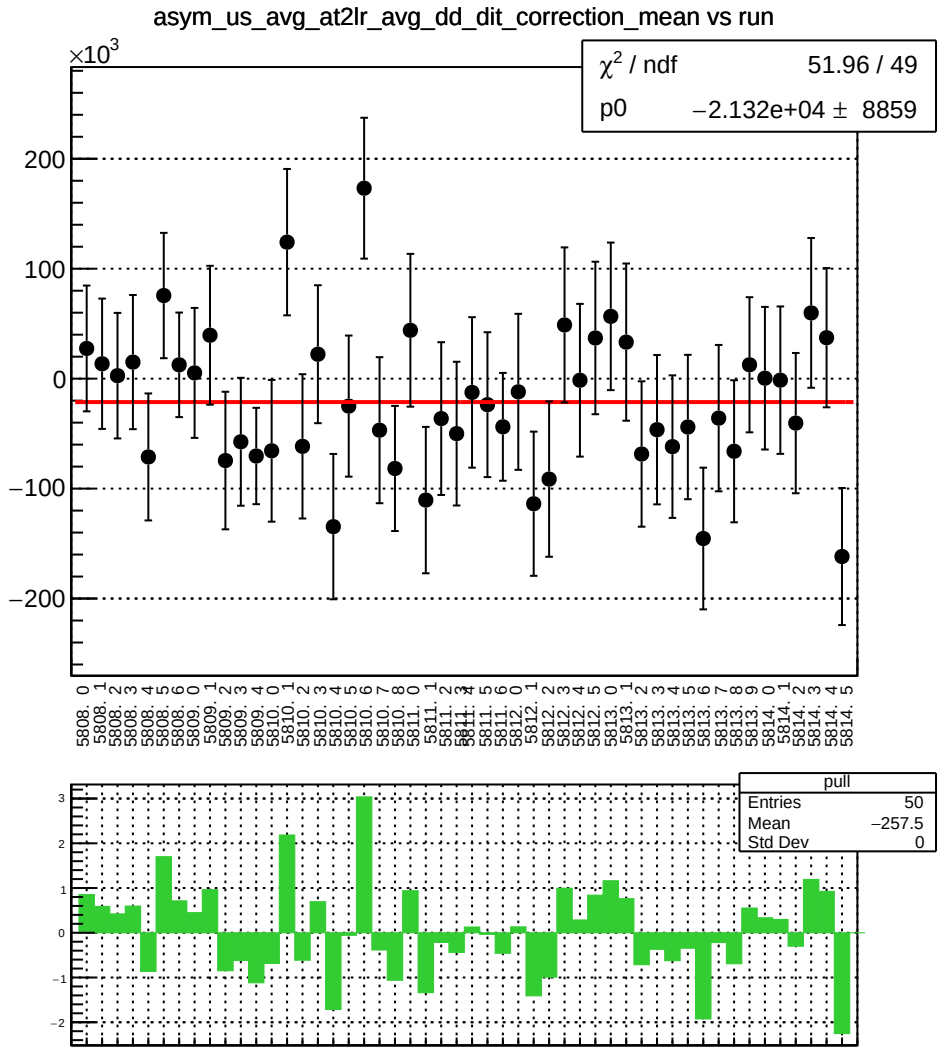

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 51.6 / 49
p0 −2.094e+04 ± 8646
200
100
0
−100
−200
pull
Entries 50
Mean −182.2
Std Dev 0
3
2
1
0
−1
−2

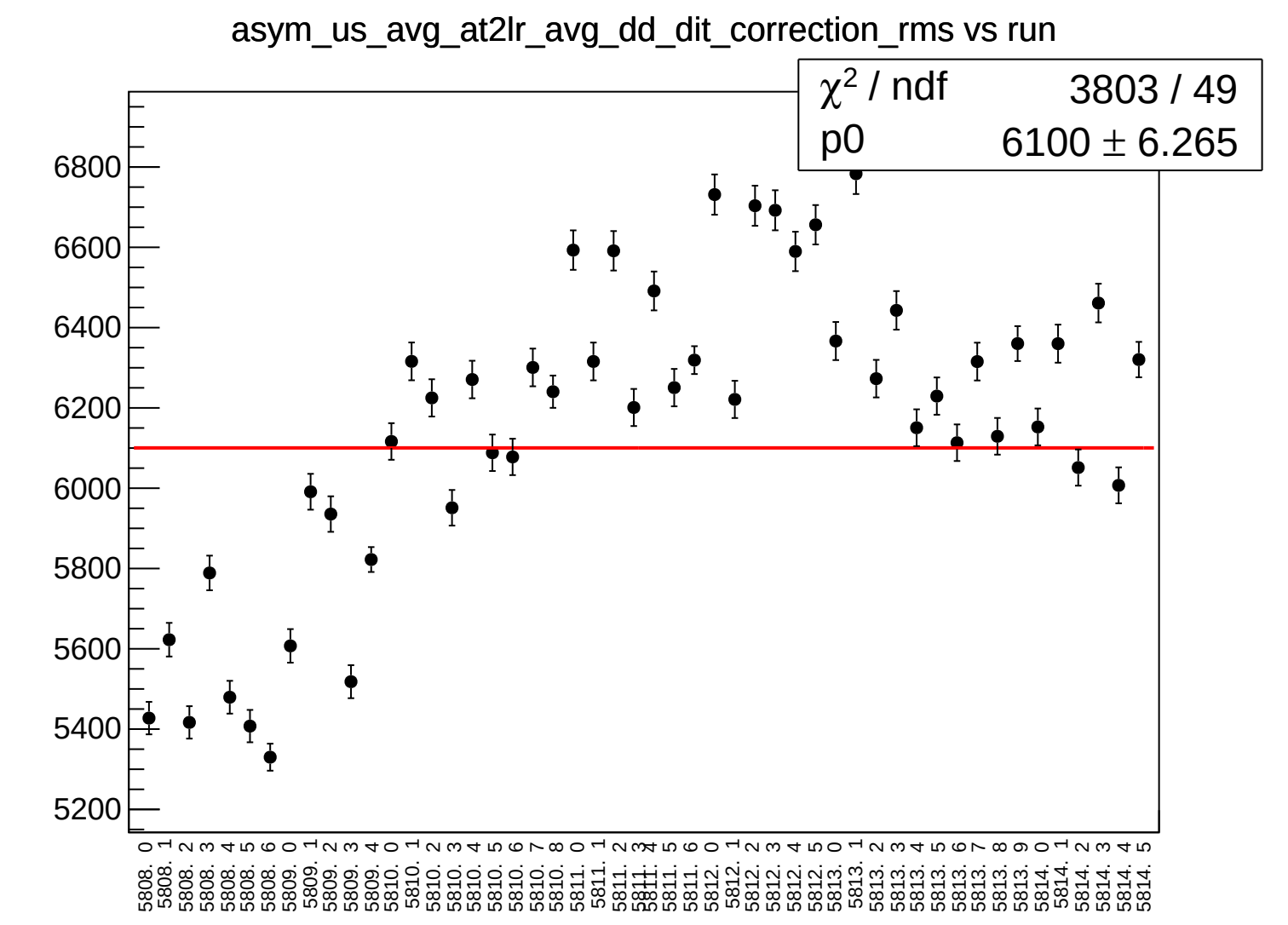

pull1D
Entries 50
Mean 0.01277
Std Dev 1.016
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

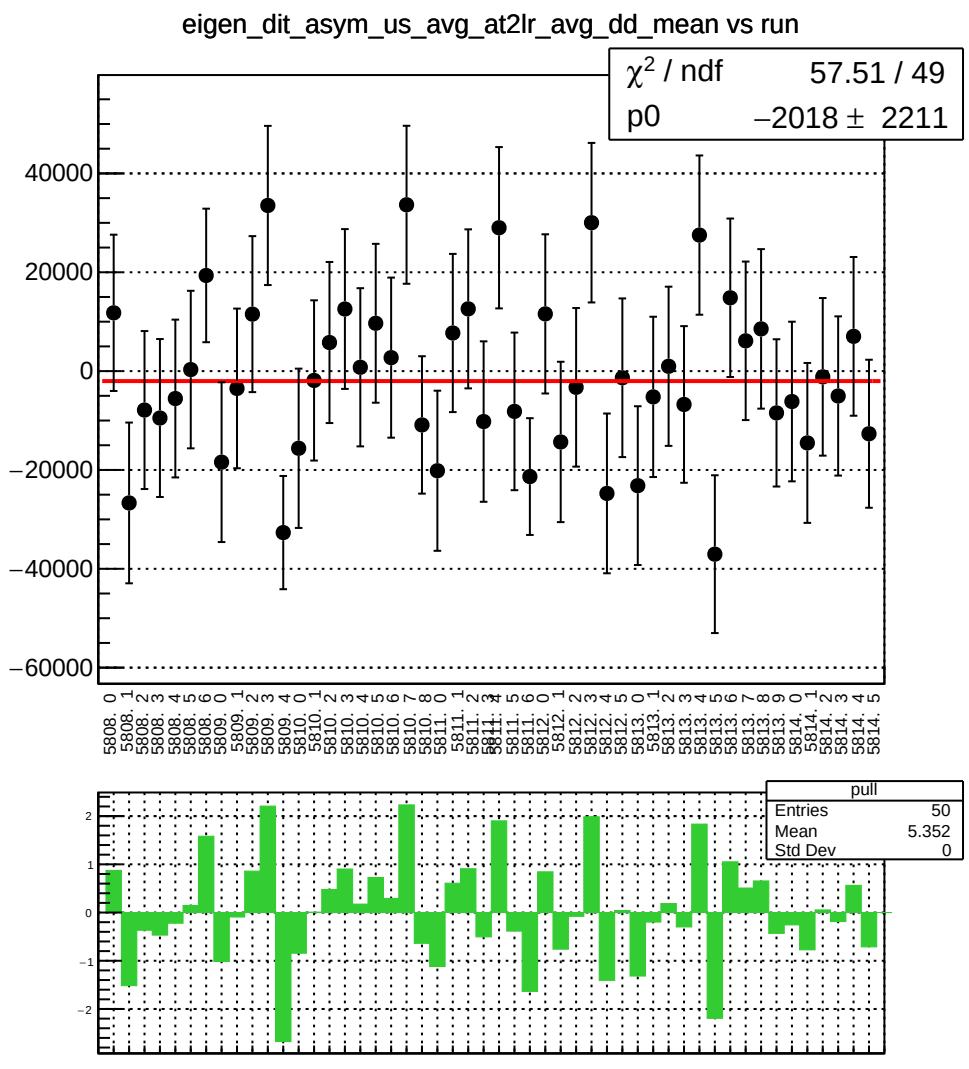

asym_us_avg_at2lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2203 / 49
p0 5959 ± 6.114
6600
6400
6200
6000
5800
5600
5400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

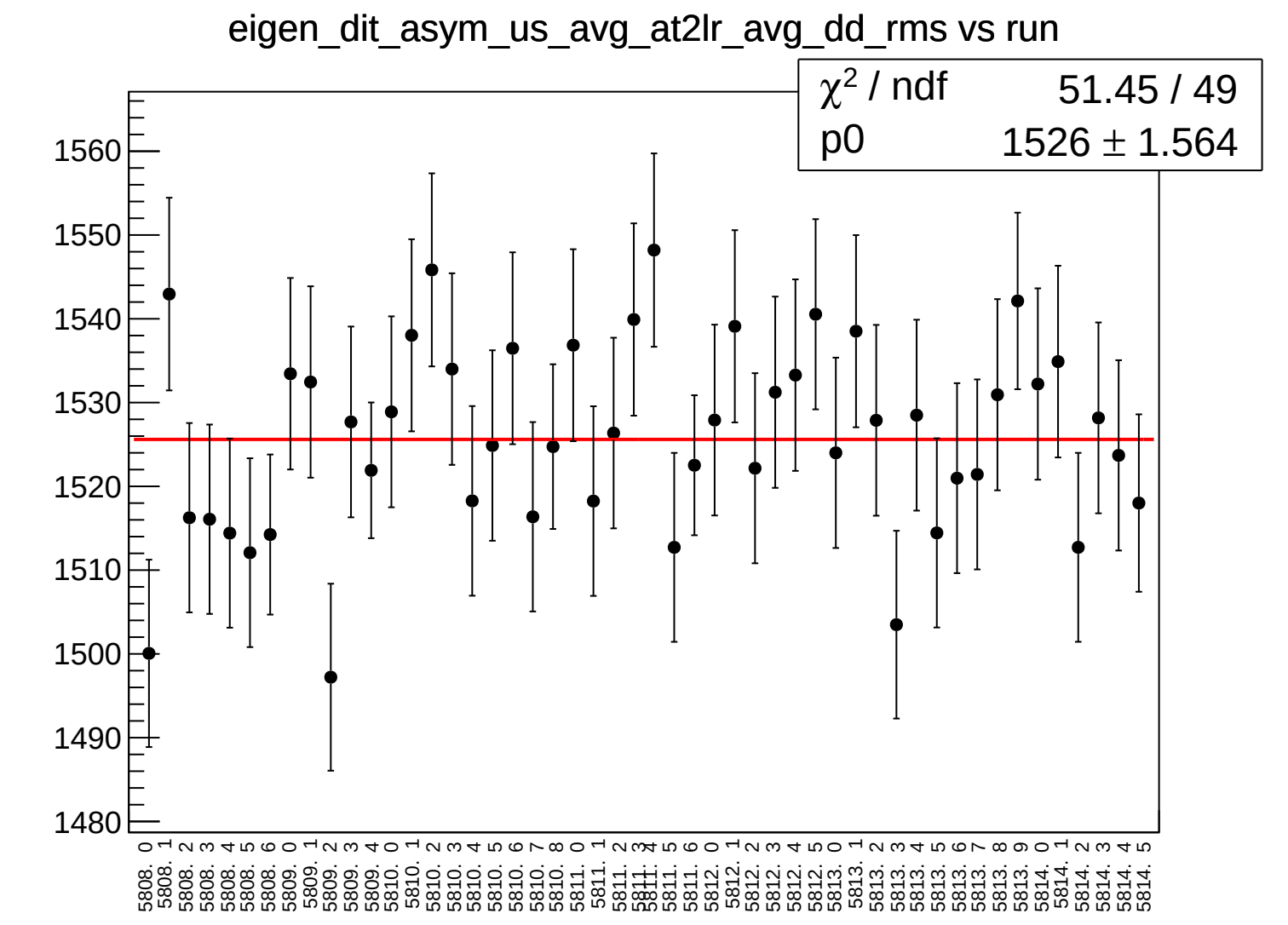

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 57.51 / 49
p0 −2018 ± 2211
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5.351
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.03067
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

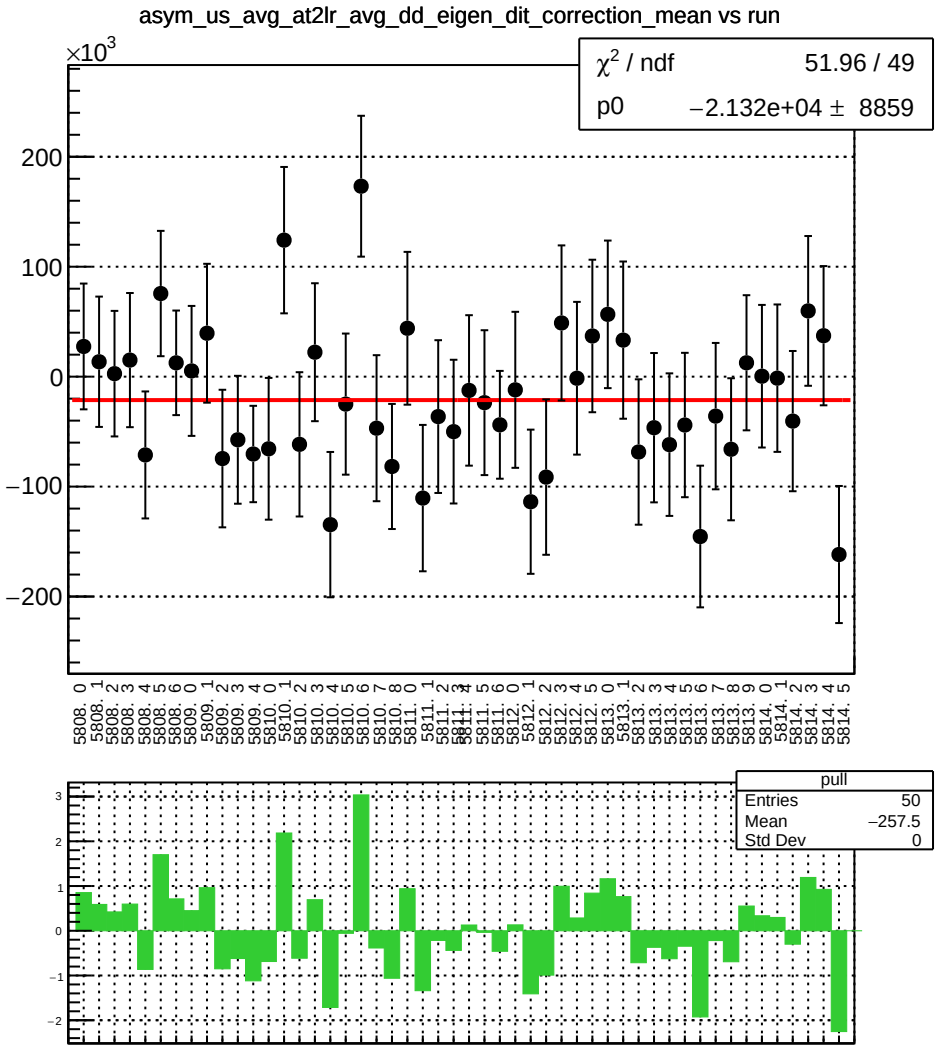

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 51.46 / 49
p0 1526 ± 1.564
1560
1550
1540
1530
1520
1510
1500
1490
1480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

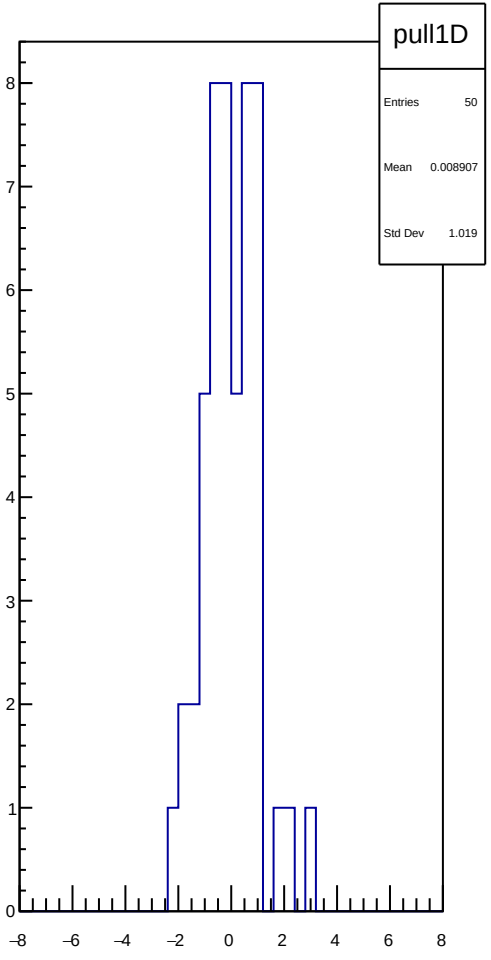

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 51.96 / 49
p0 −2.132e+04 ± 8859
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −257.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.008907
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

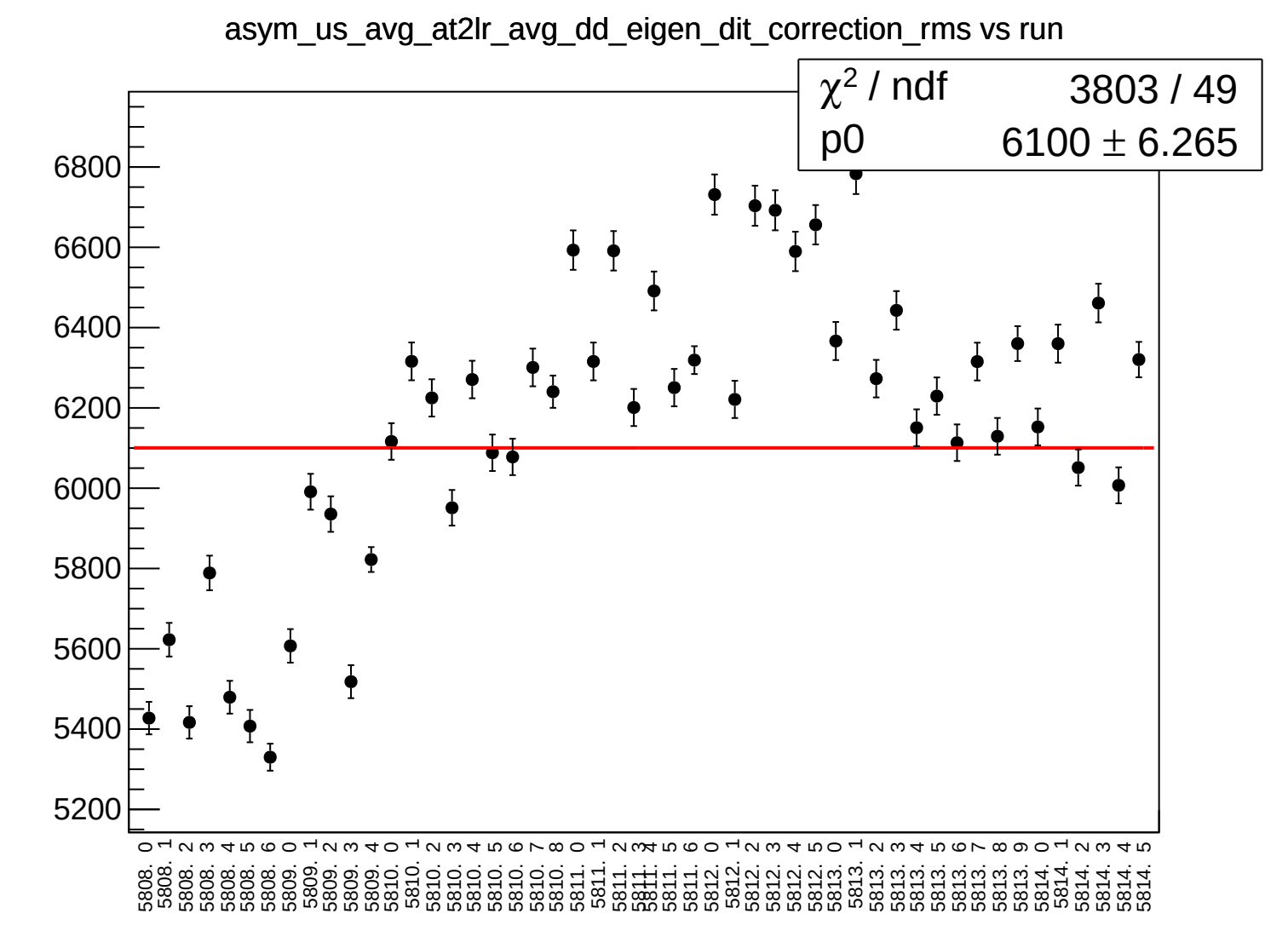

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 3803 / 49
p0 6100 ± 6.265
6800
6600
6400
6200
6000
5800
5600
5400
5200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

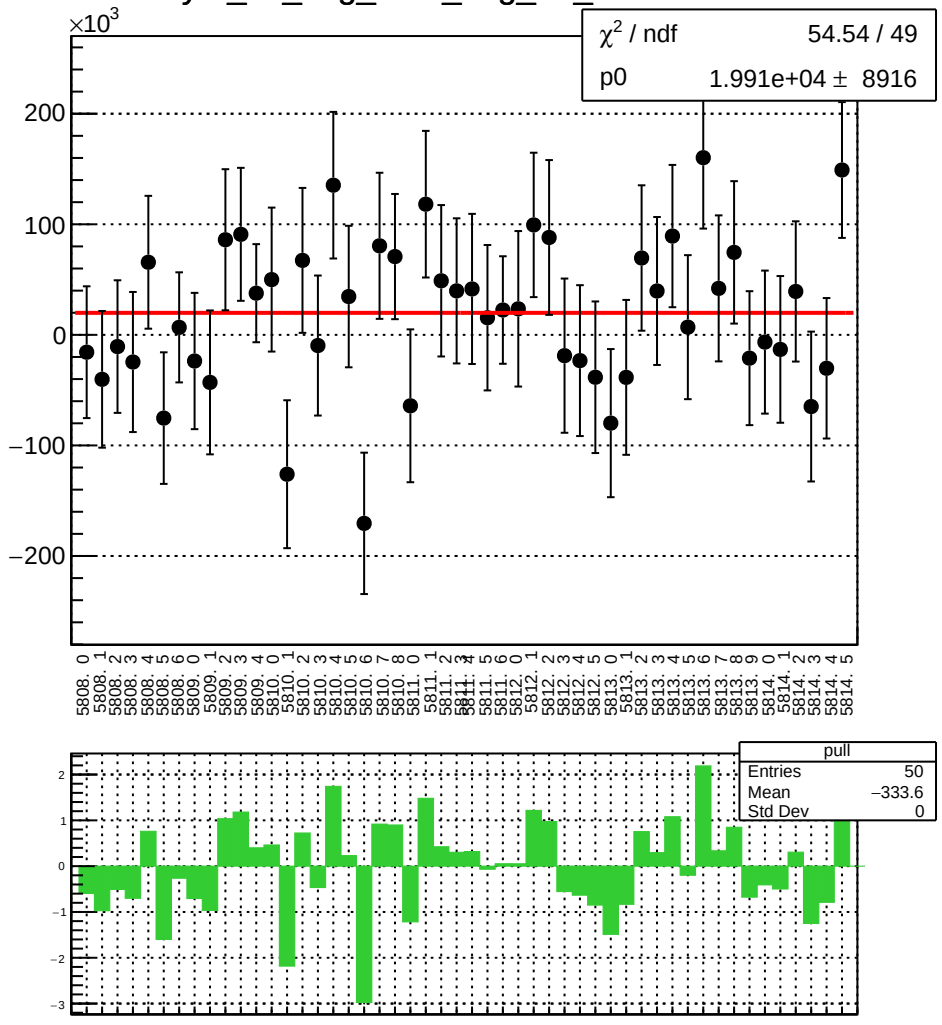

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 57.51 / 49
p0 −2018 ± 2211
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5.352
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.03067
Std Dev 1.072
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

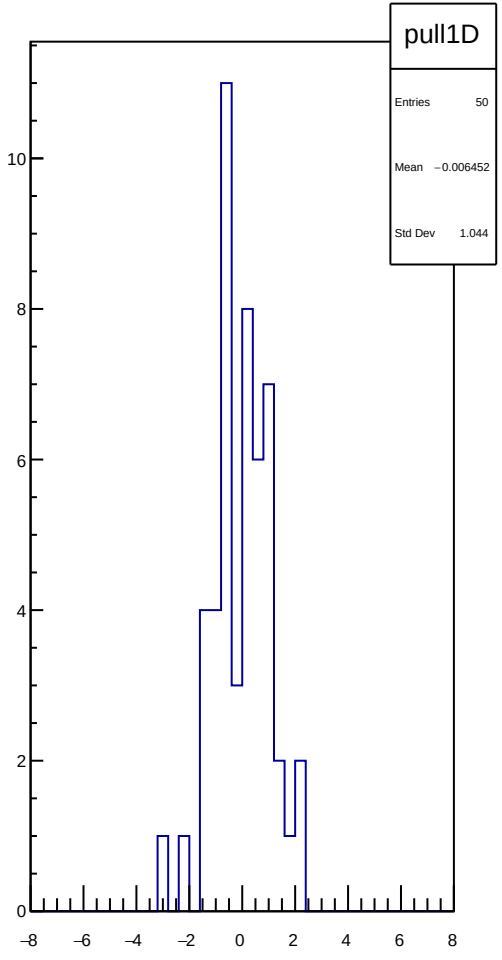

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 51.45 / 49
p0 1526 ± 1.564
1560
1550
1540
1530
1520
1510
1500
1490
1480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

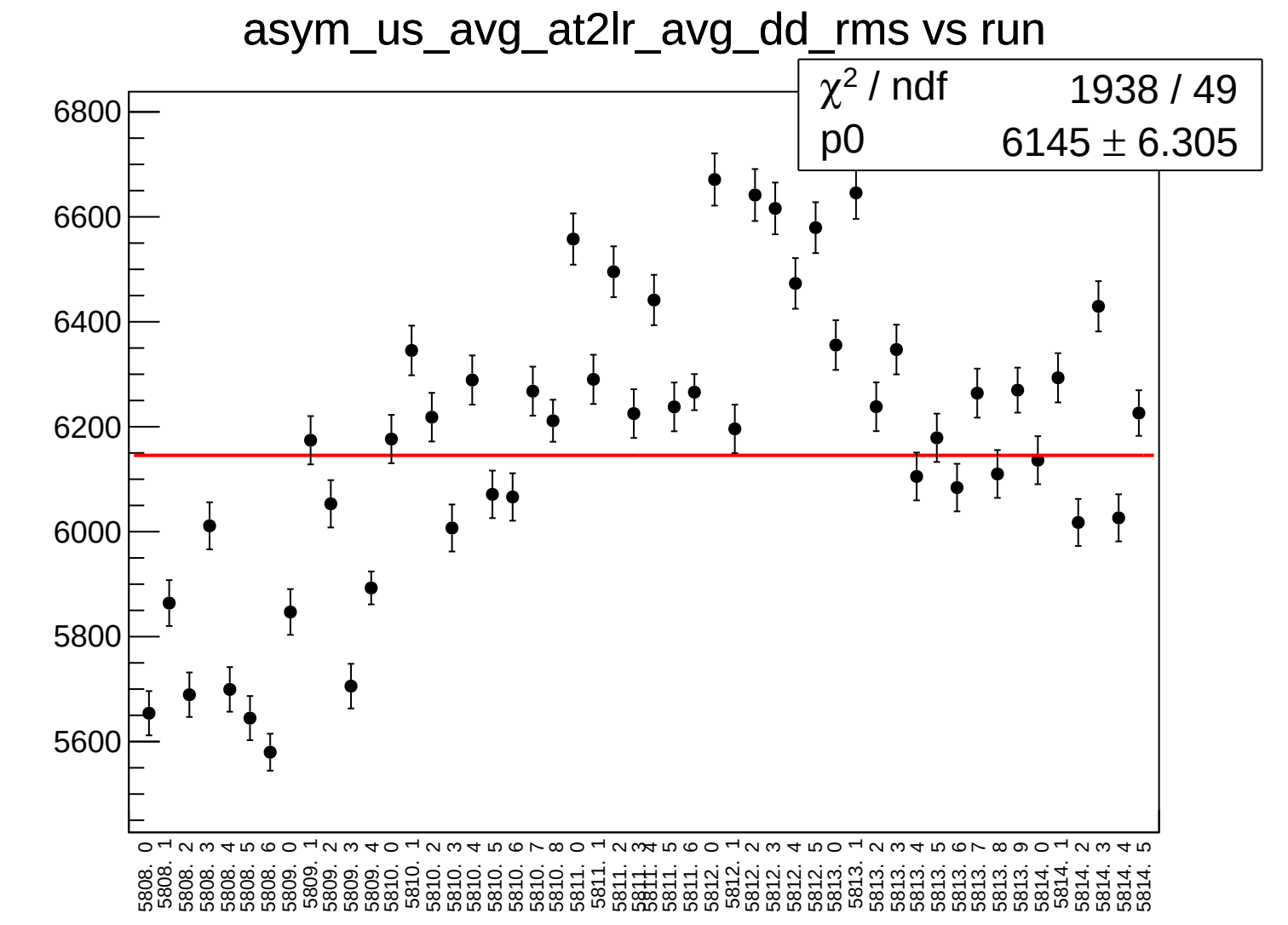

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 51.96 / 49
p0 −2.132e+04 ± 8859
200
100
0
−100
−200
pull
Entries 50
Mean −257.5
Std Dev 0
3
2
1
0
−1
−2

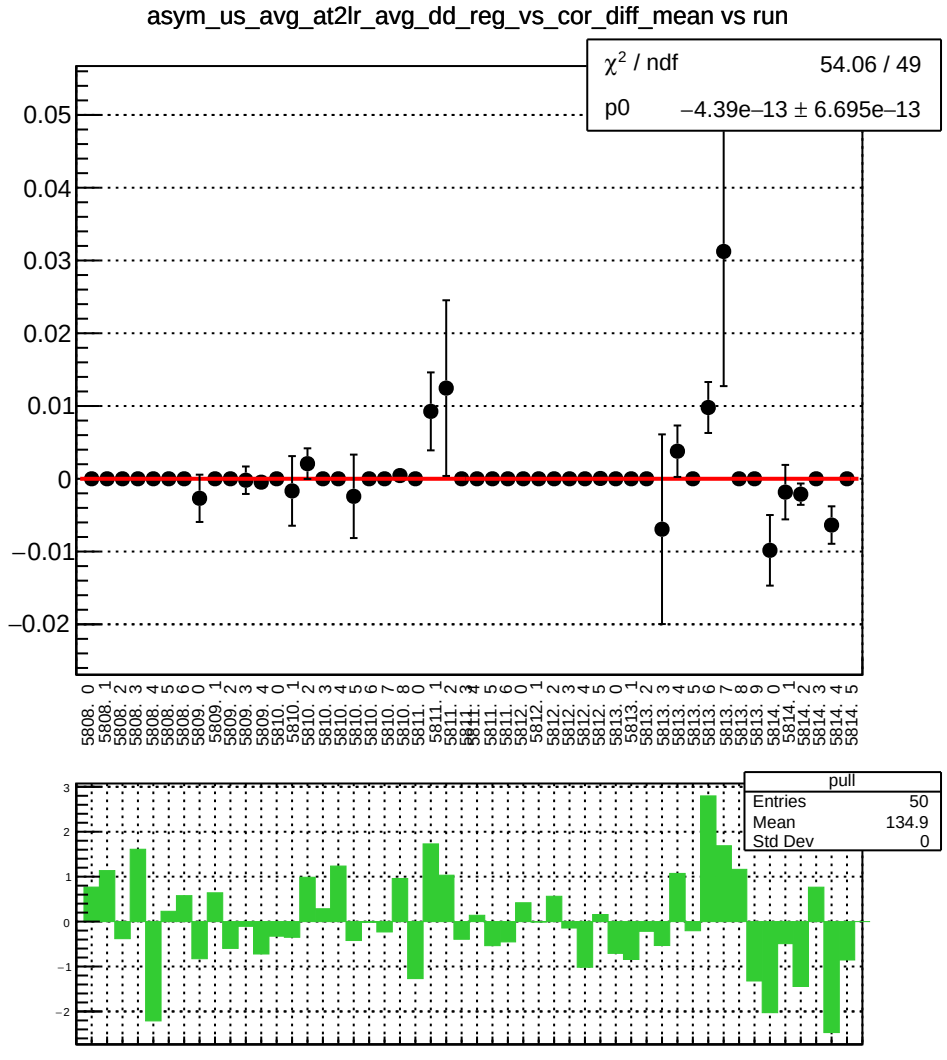

pull1D
Entries 50
Mean 0.008907
Std Dev 1.019
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

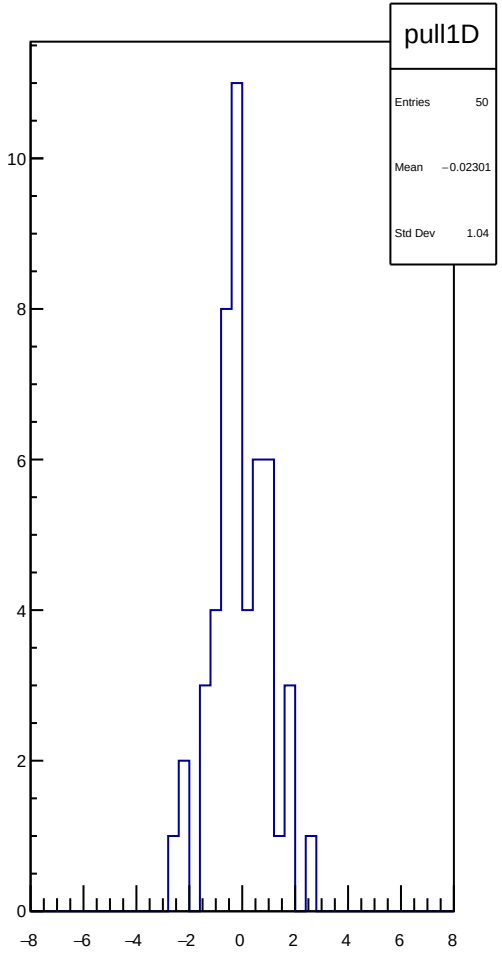

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3803 / 49
p0 6100 ± 6.265
6800
6600
6400
6200
6000
5800
5600
5400
5200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

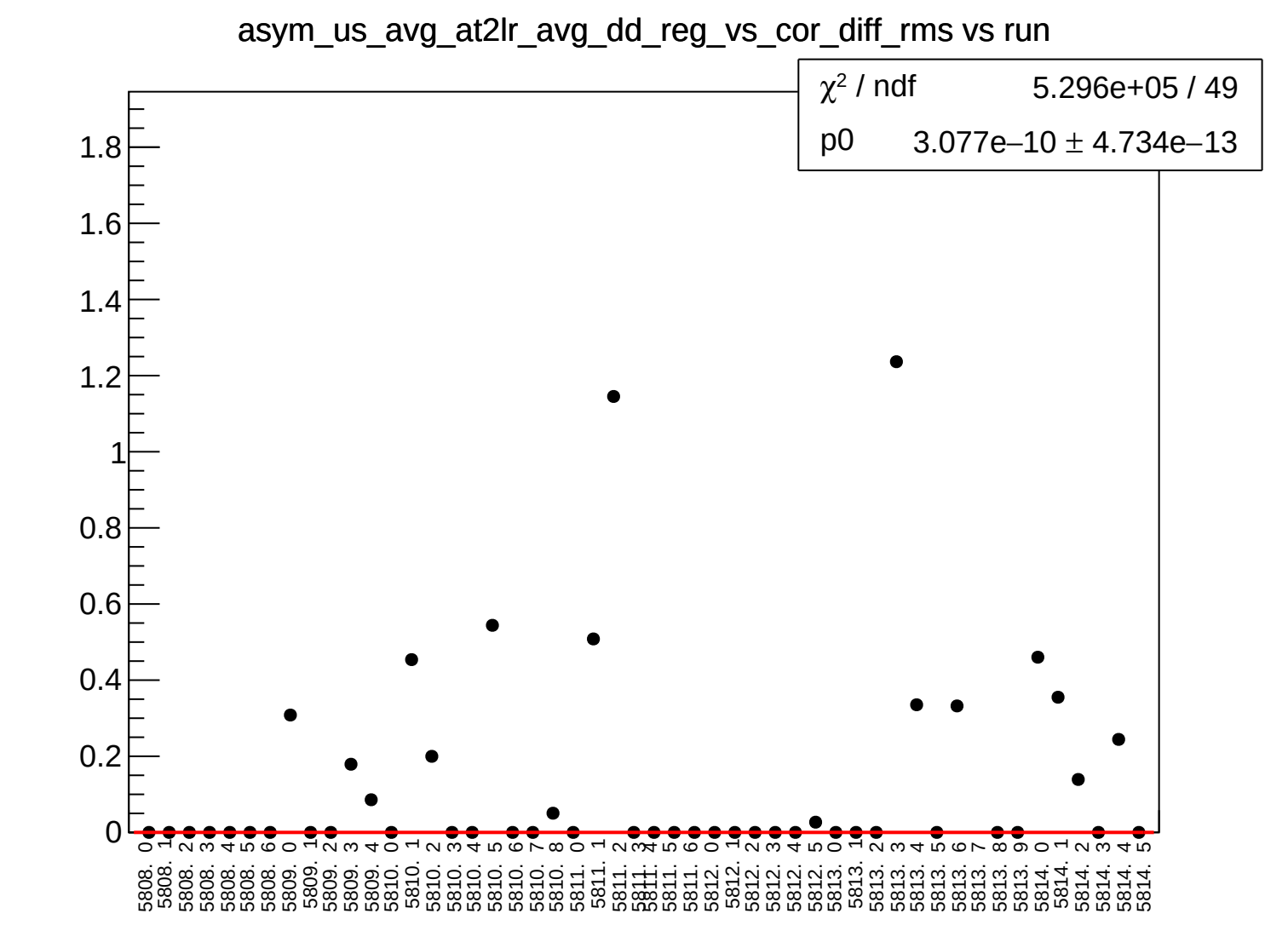

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 54.54 / 49
p0 1.991e+04 ± 8916
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −333.6
Std Dev 0
2
1
0
−1
−2
−3

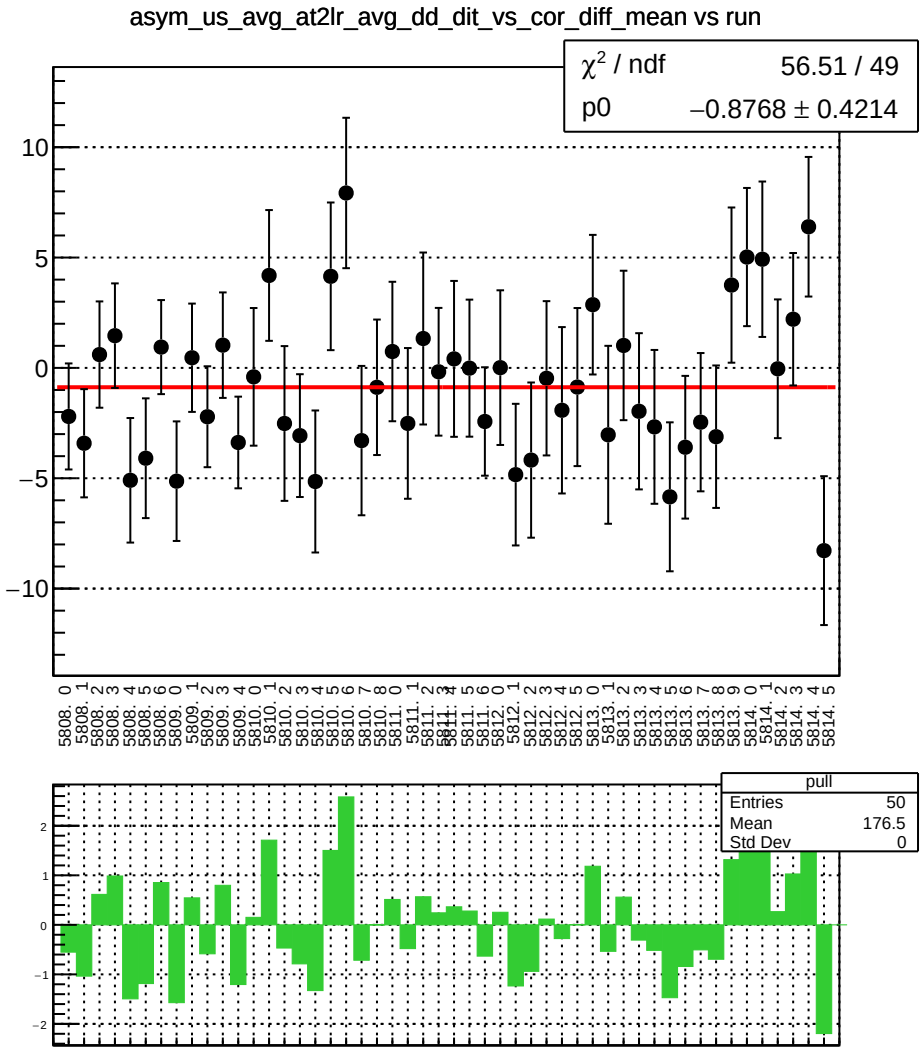

pull1D
Entries 50
Mean −0.006452
Std Dev 1.044
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

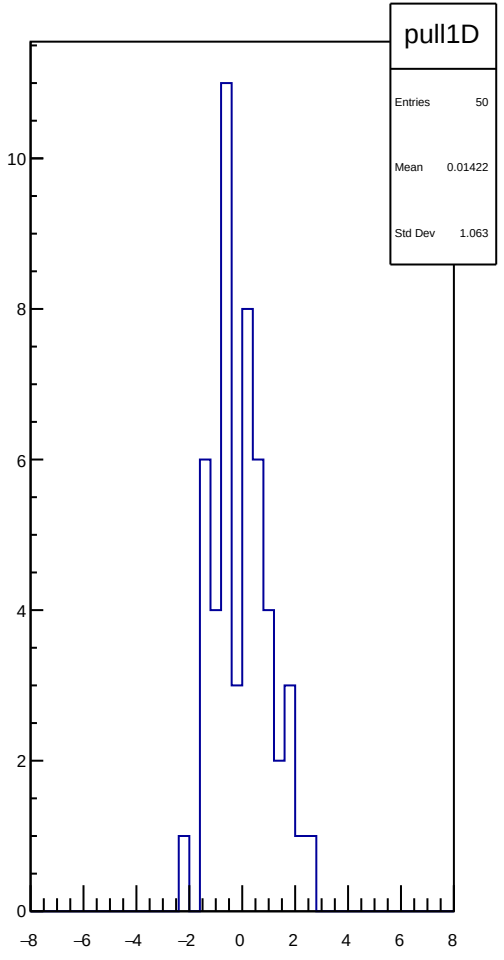

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 1938 / 49
p0 6145 ± 6.305
6800
6600
6400
6200
6000
5800
5600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

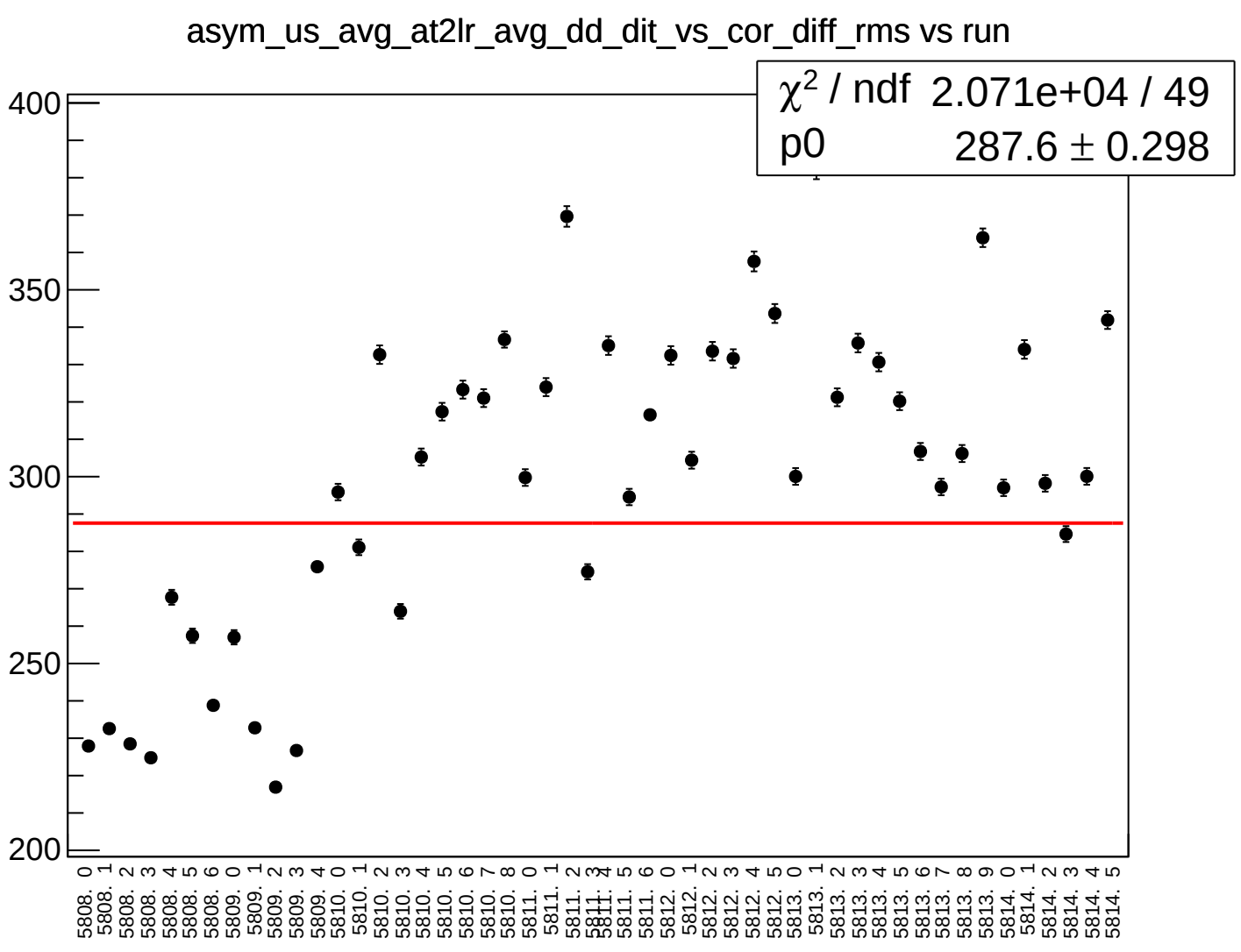

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.06 / 49
p0 −4.39e−13 ± 6.695e−13
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
pull
Entries 50
Mean 134.9
Std Dev 0

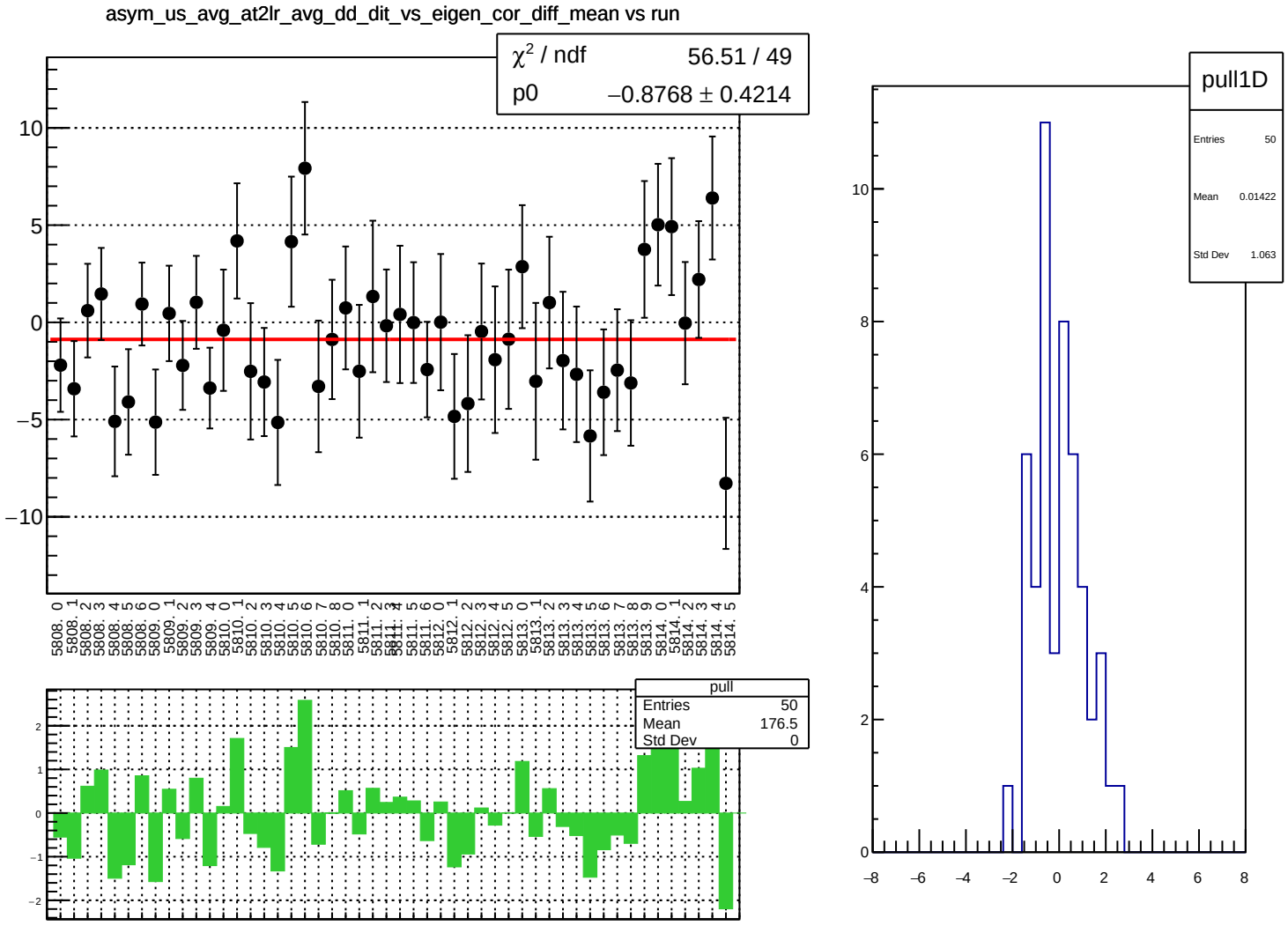

pull1D
Entries 50
Mean −0.02301
Std Dev 1.04

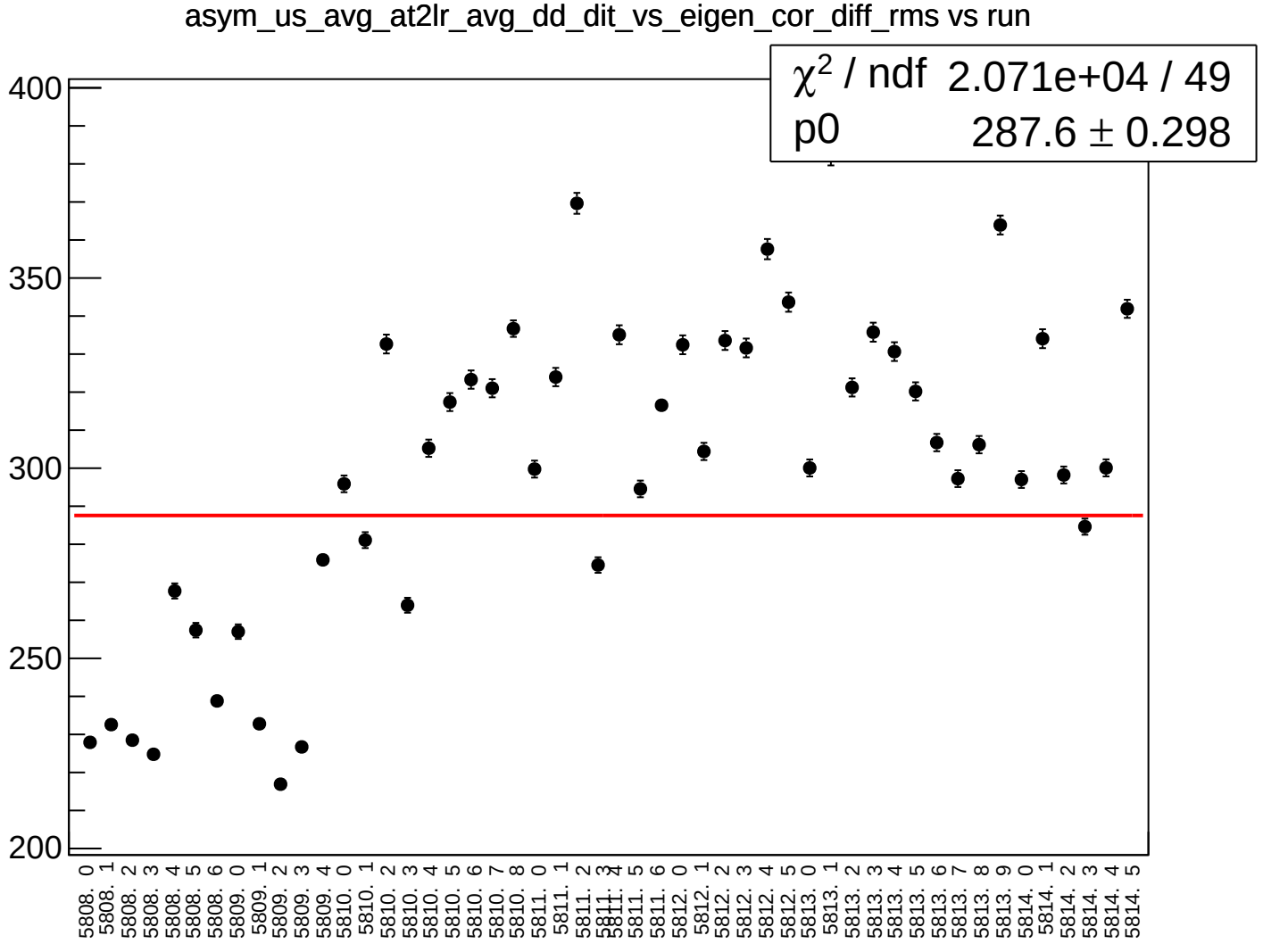

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.296e+05 / 49
p0 3.077e−10 ± 4.734e−13
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

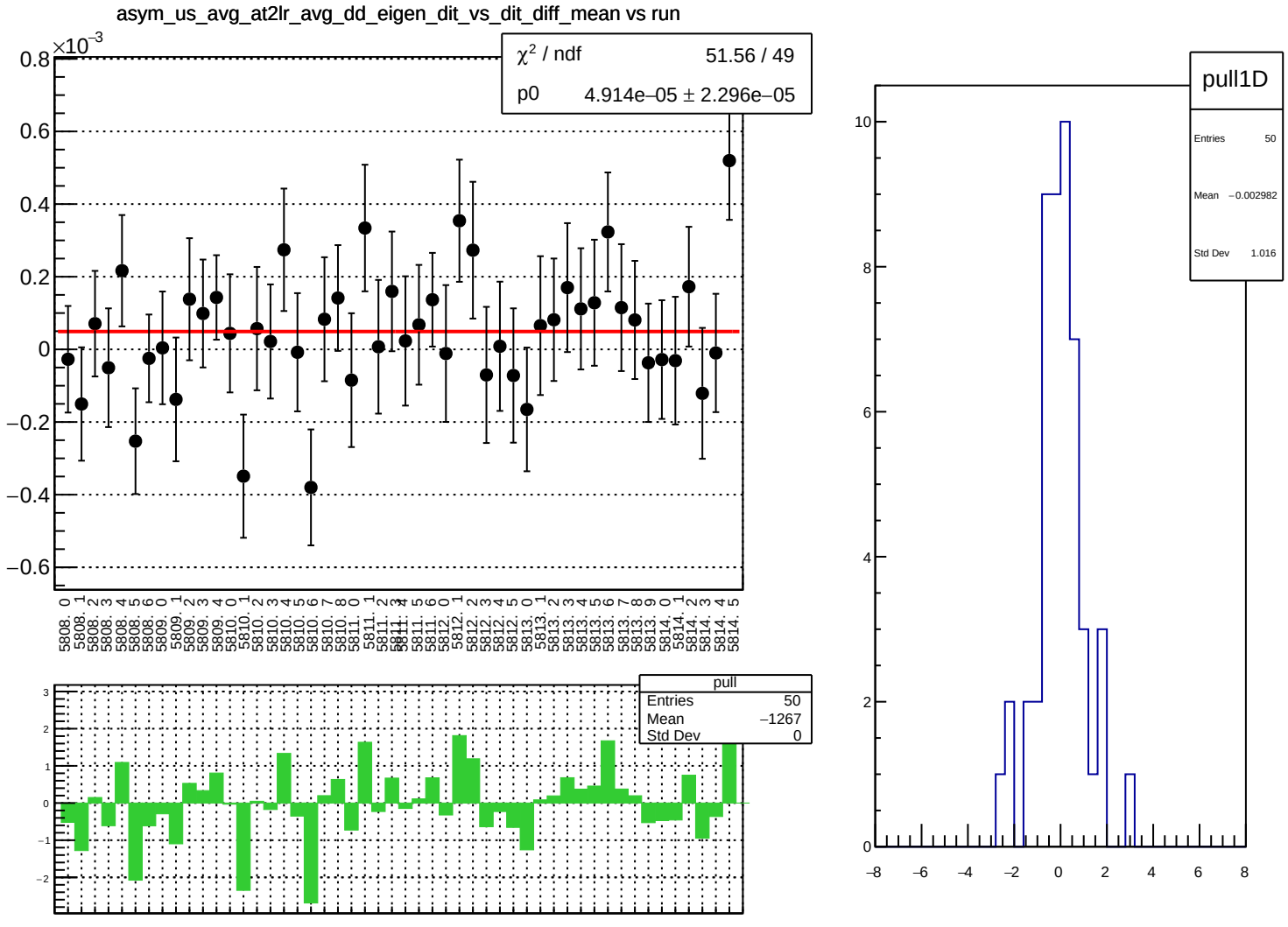

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 56.51 / 49
p0 −0.8768 ± 0.4214
pull
Entries 50
Mean 176.5
Std Dev 0

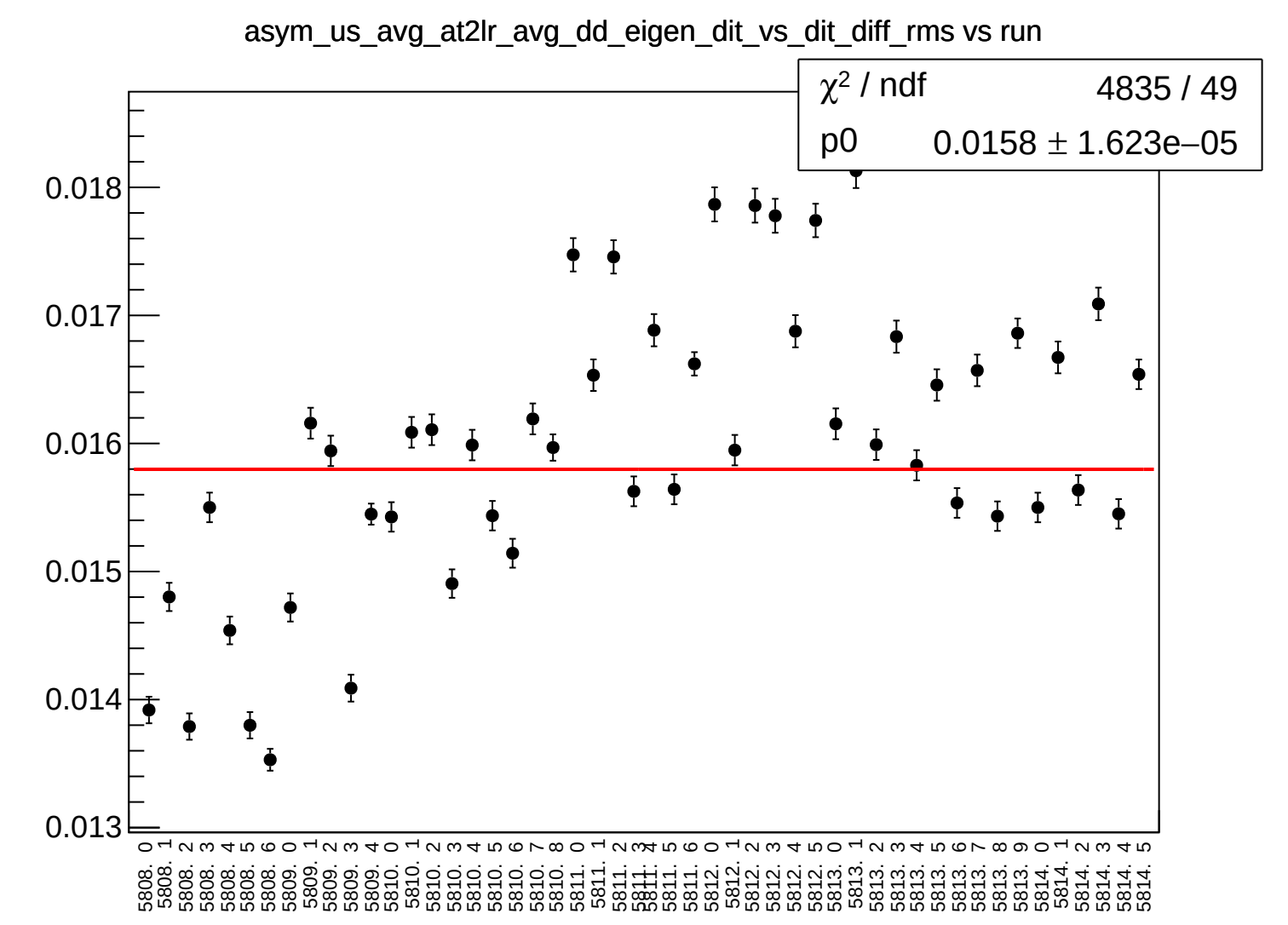

pull1D
Entries 50
Mean 0.01422
Std Dev 1.063

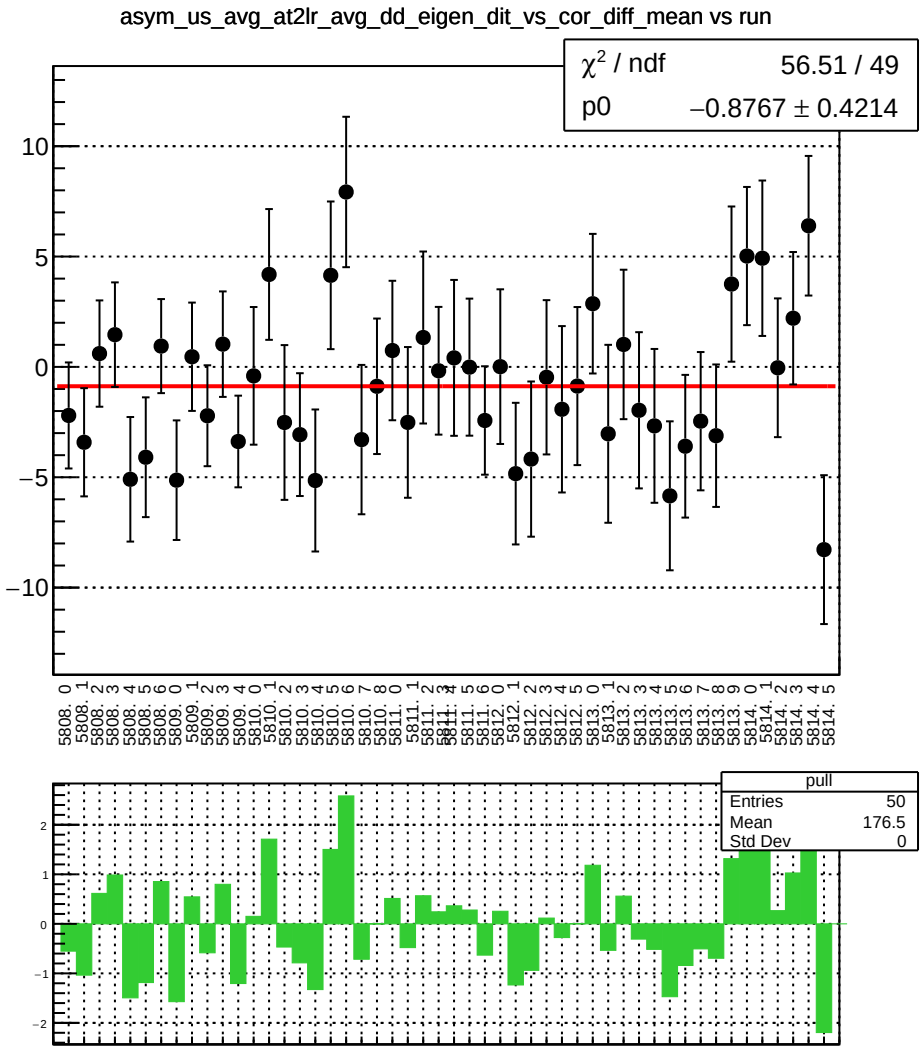

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.071e+04 / 49
p0 287.6 ± 0.298
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

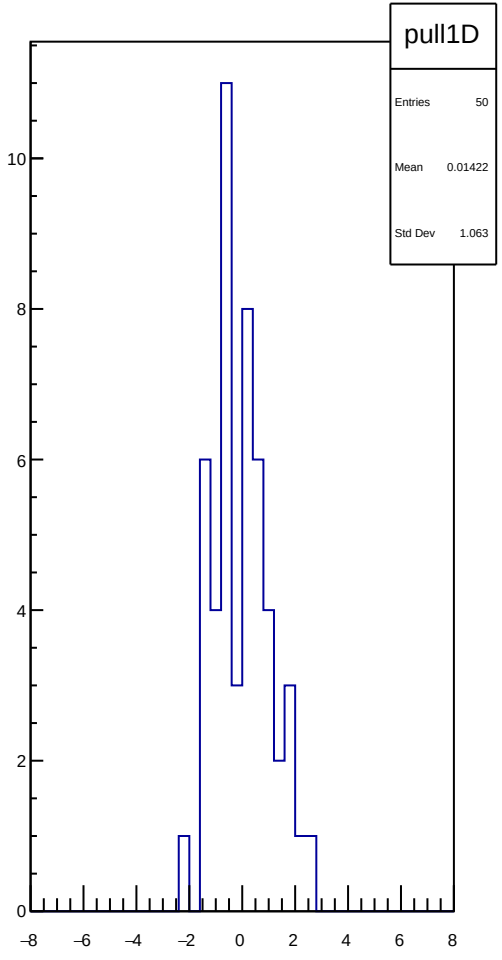

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.51 / 49
p0 −0.8768 ± 0.4214
pull
Entries 50
Mean 176.5
Std Dev 0
pull1D
Entries 50
Mean 0.01422
Std Dev 1.063

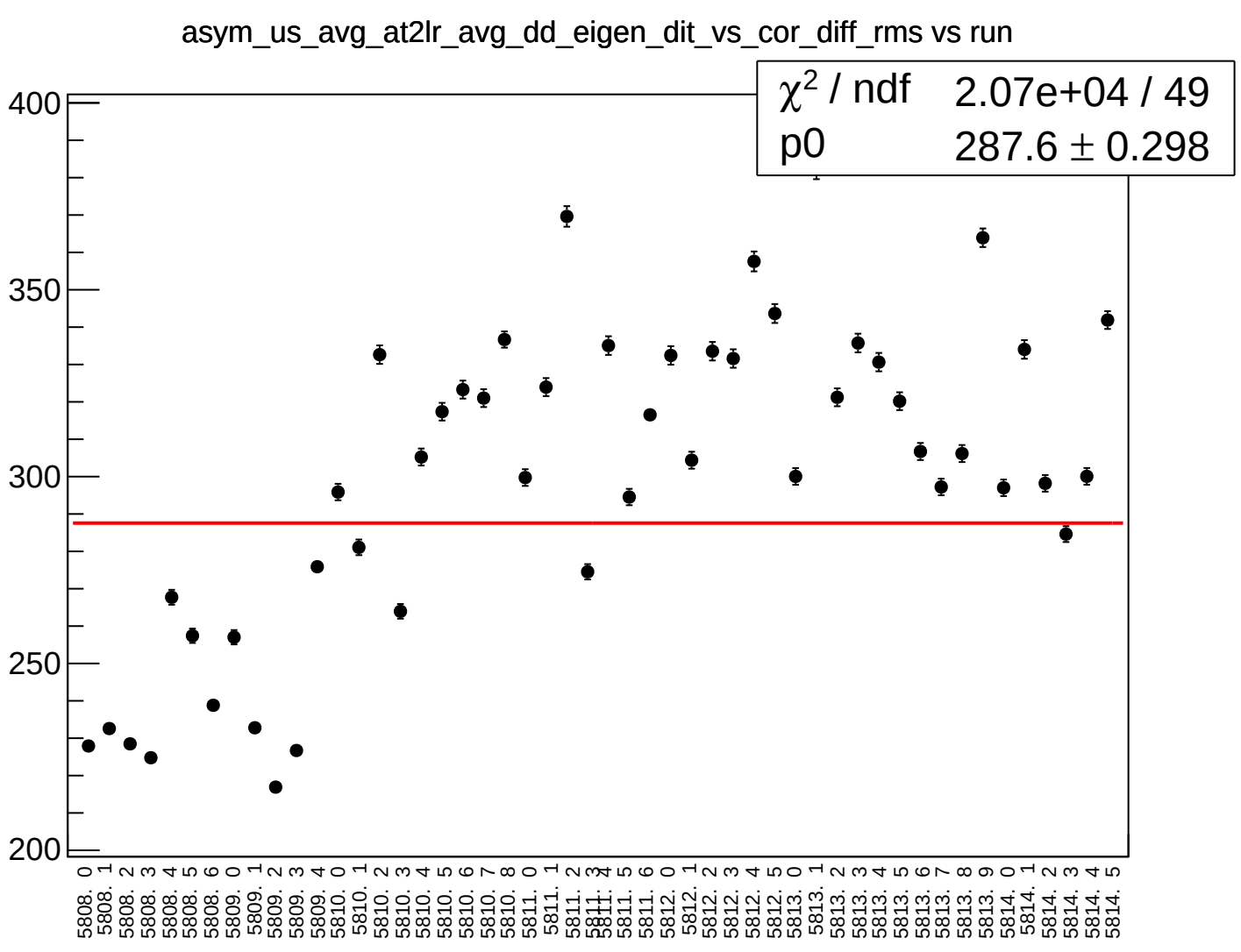

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.071e+04 / 49
p0 287.6 ± 0.298
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

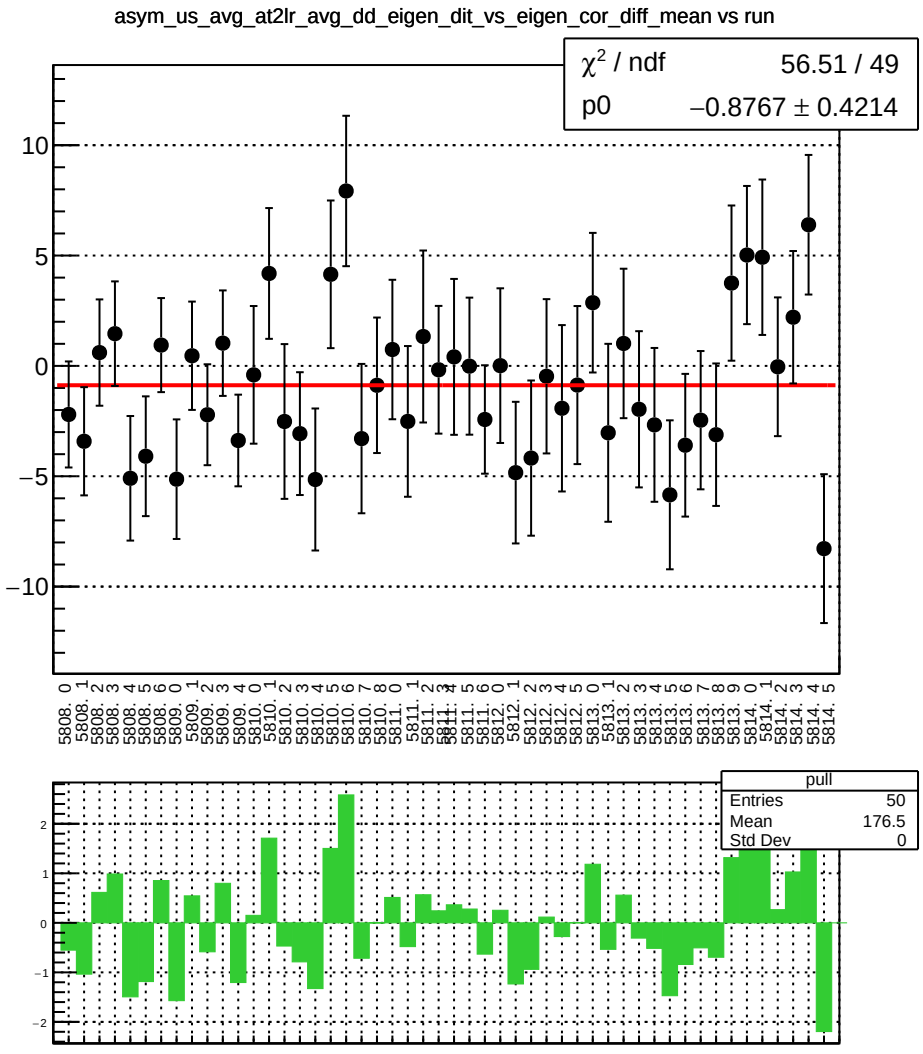

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.56 / 49
p0 4.914e−05 ± 2.296e−05
pull
Entries 50
Mean −1267
Std Dev 0
pull1D
Entries 50
Mean −0.002982
Std Dev 1.016

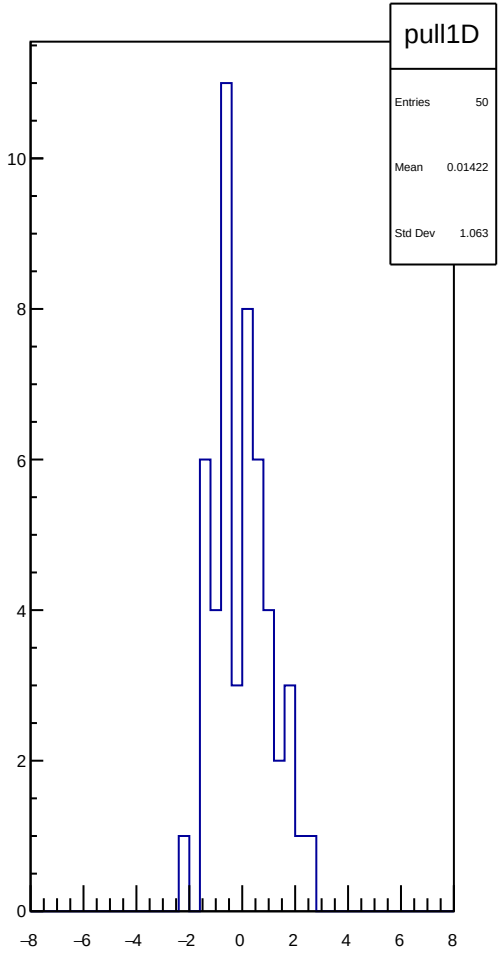

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4835 / 49
p0 0.0158 ± 1.623e−05
0.018
0.017
0.016
0.015
0.014
0.013
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

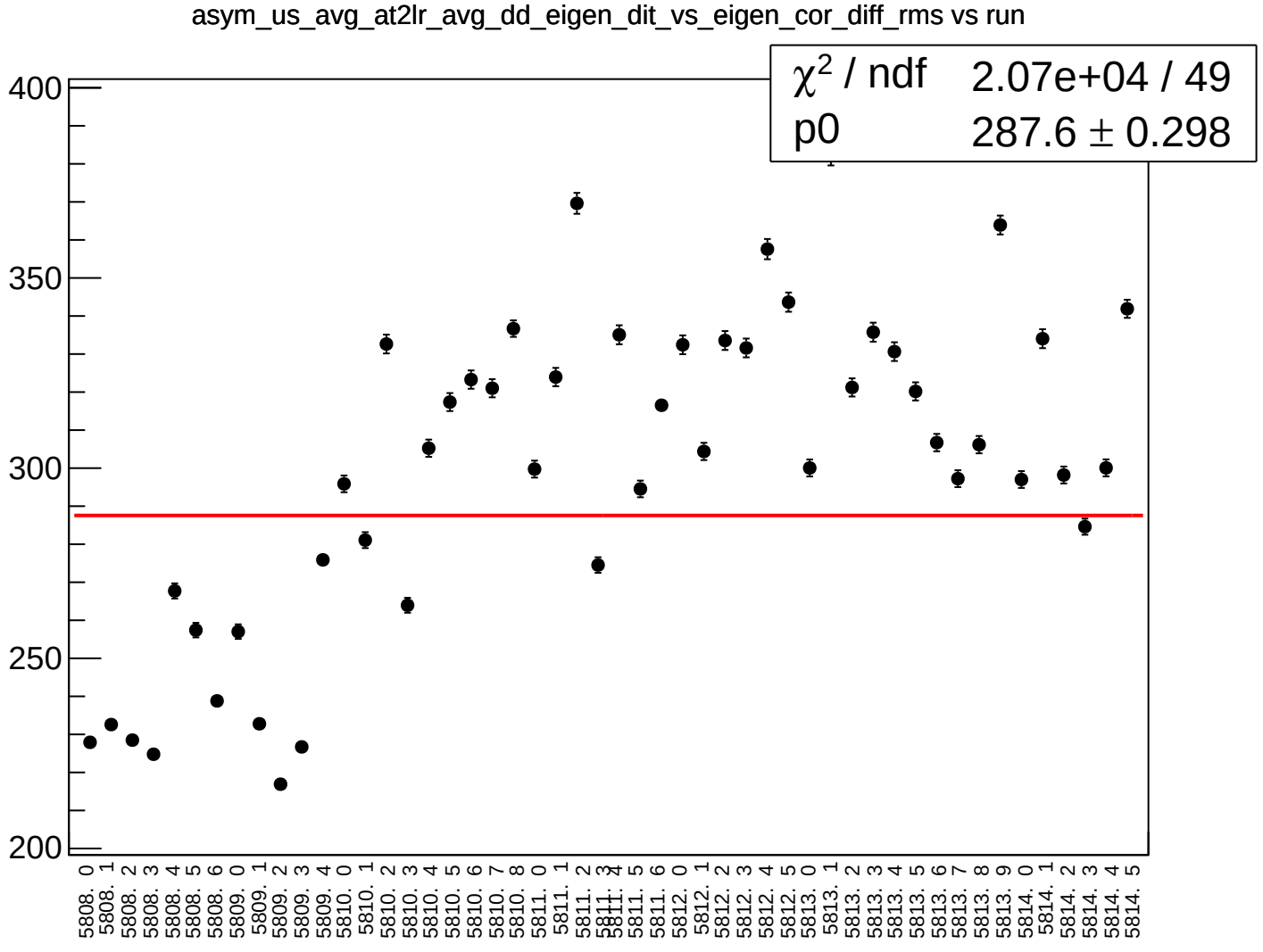

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.51 / 49
p0 −0.8767 ± 0.4214
pull
Entries 50
Mean 176.5
Std Dev 0


pull1D
Entries 50
Mean 0.01422
Std Dev 1.063


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 49
p0 287.6 ± 0.298
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.51 / 49
p0 −0.8767 ± 0.4214
pull
Entries 50
Mean 176.5
Std Dev 0


pull1D
Entries 50
Mean 0.01422
Std Dev 1.063


asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.07e+04 / 49
p0 287.6 ± 0.298
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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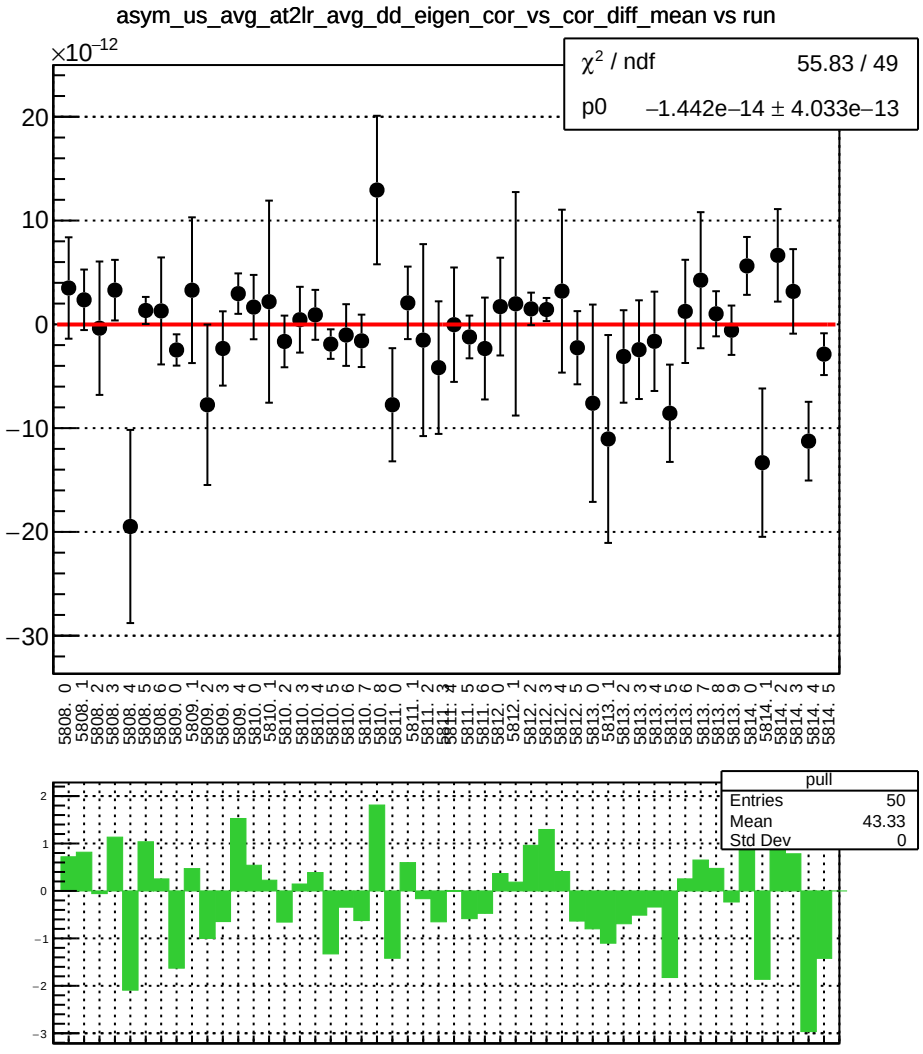
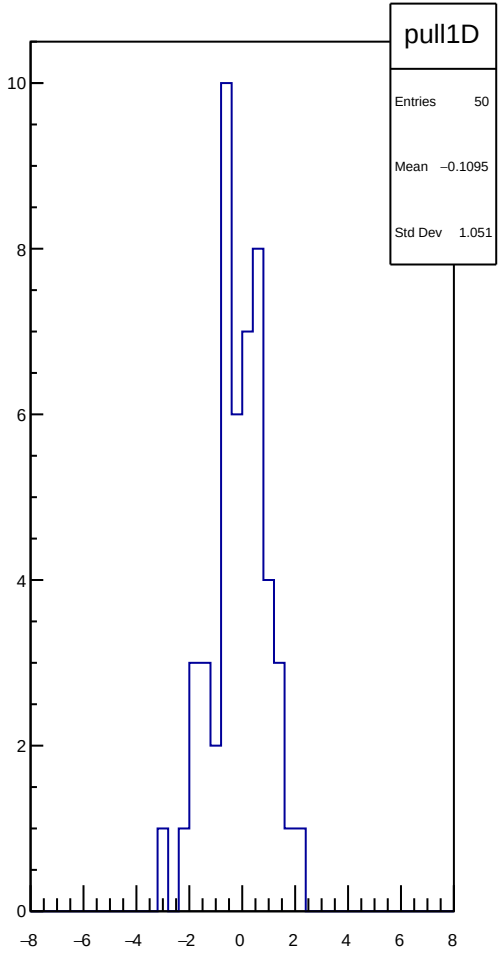
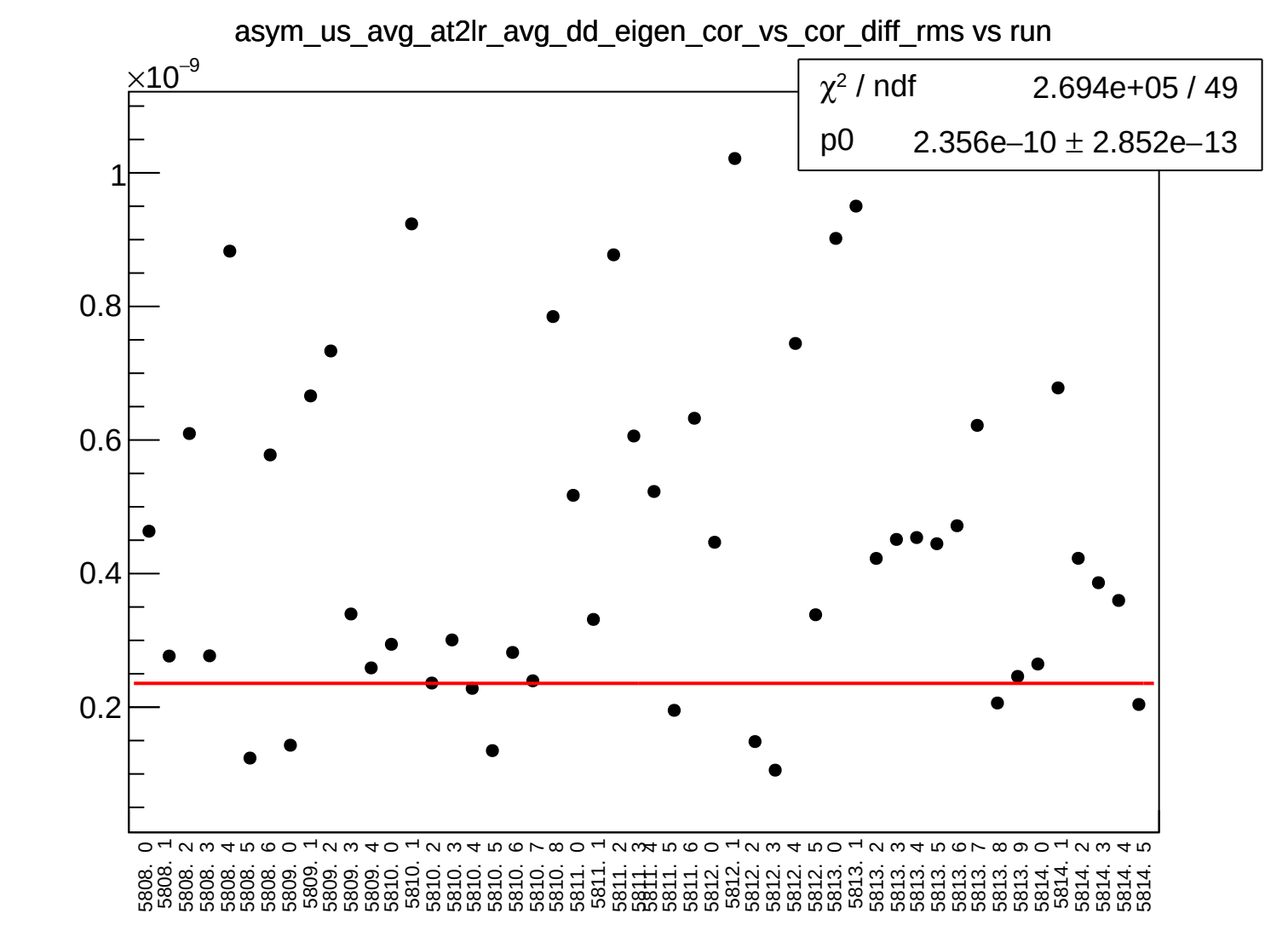
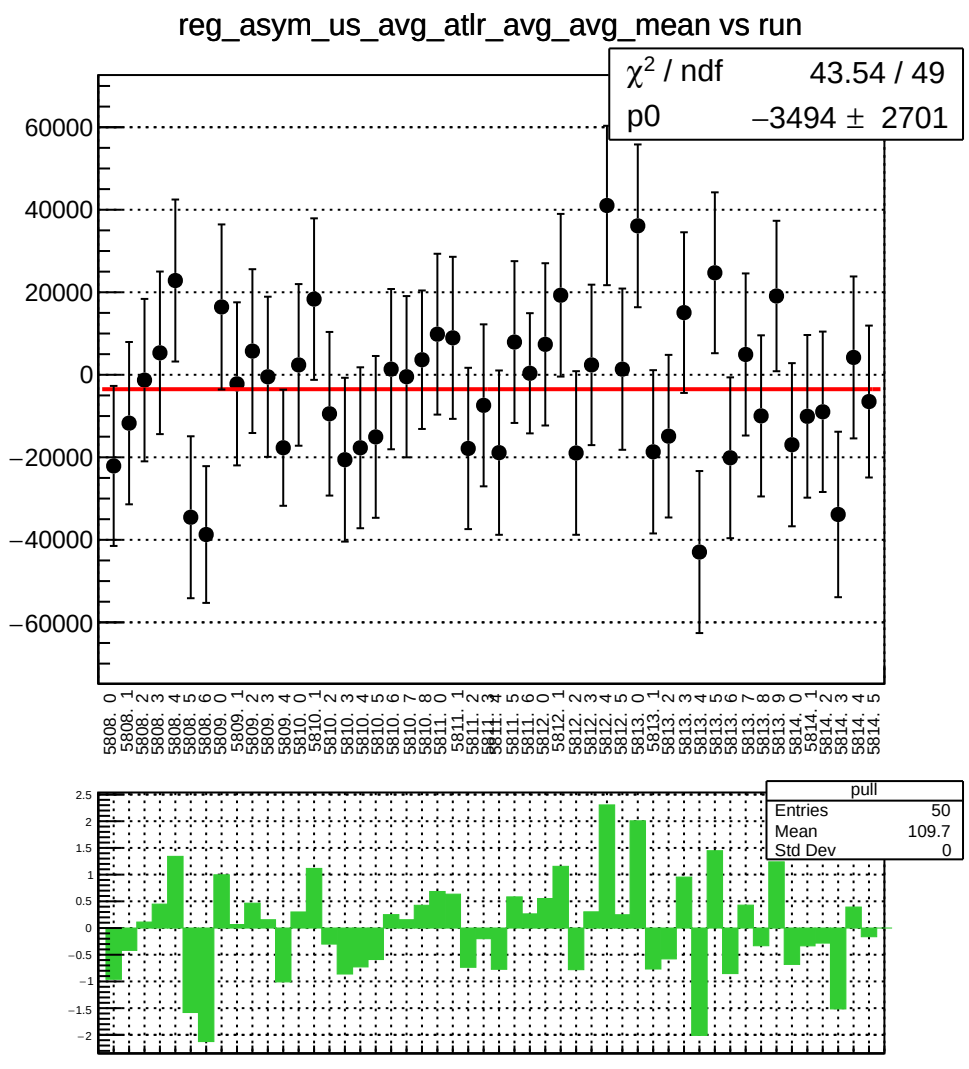
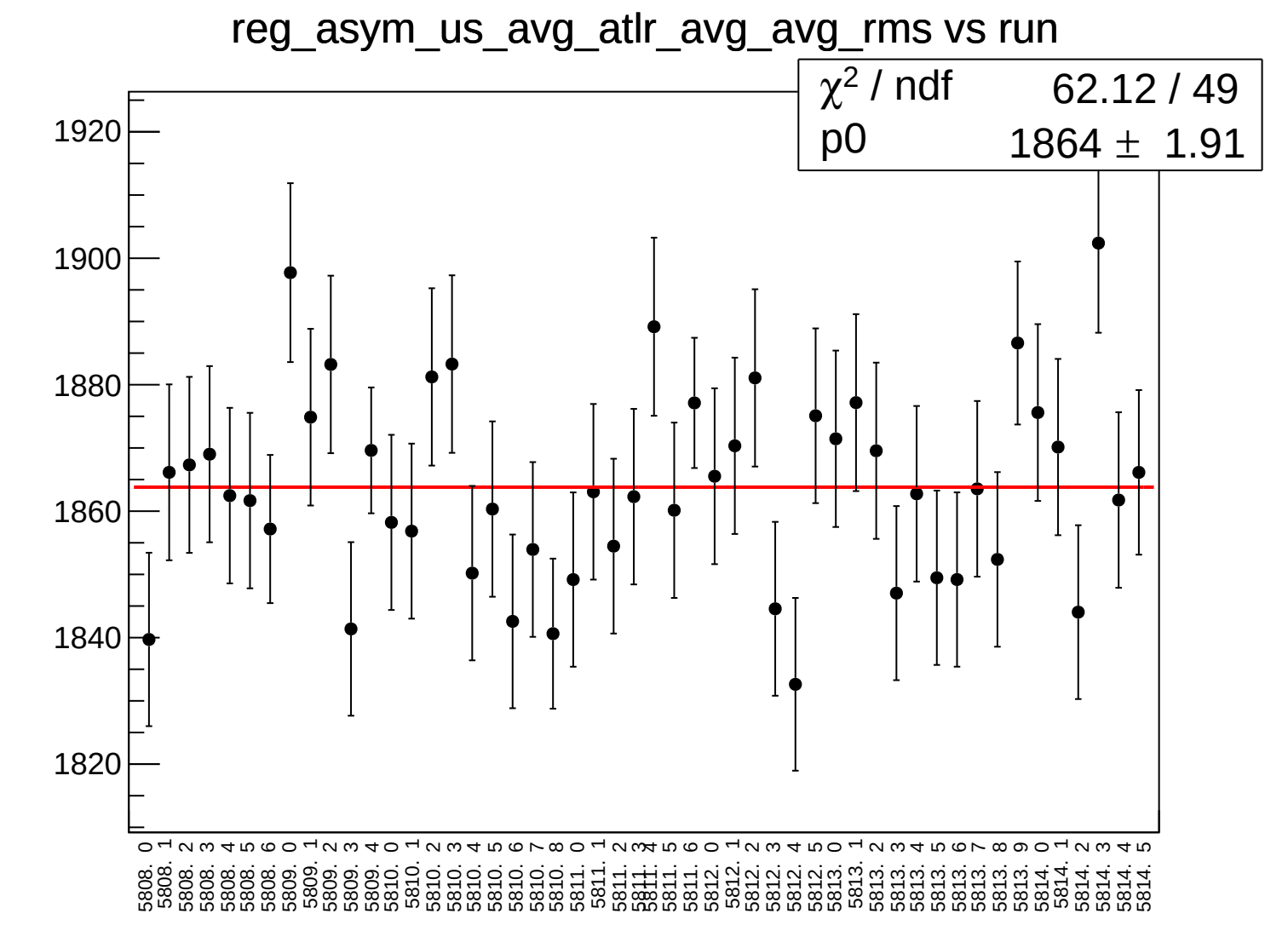
5814. 4
5814. 5

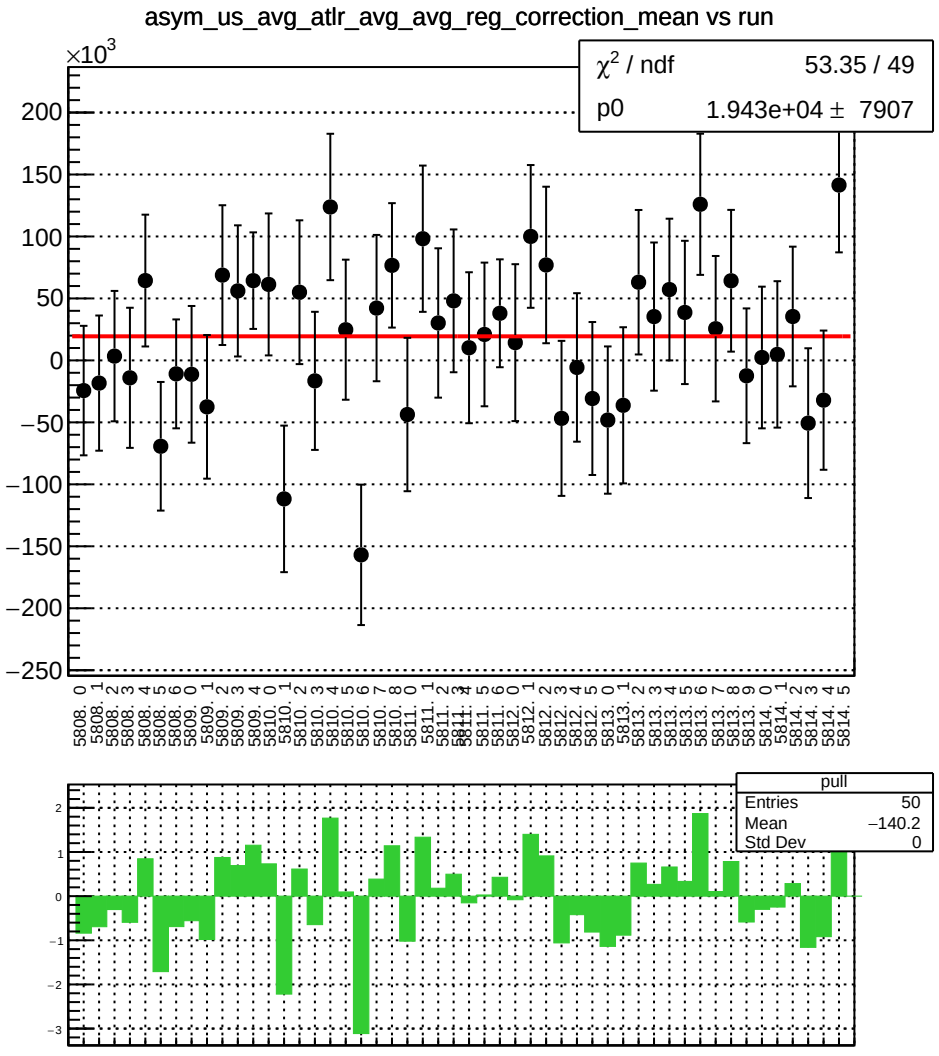

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.83 / 49
p0 −1.442e−14 ± 4.033e−13
pull
Entries 50
Mean 43.33
Std Dev 0

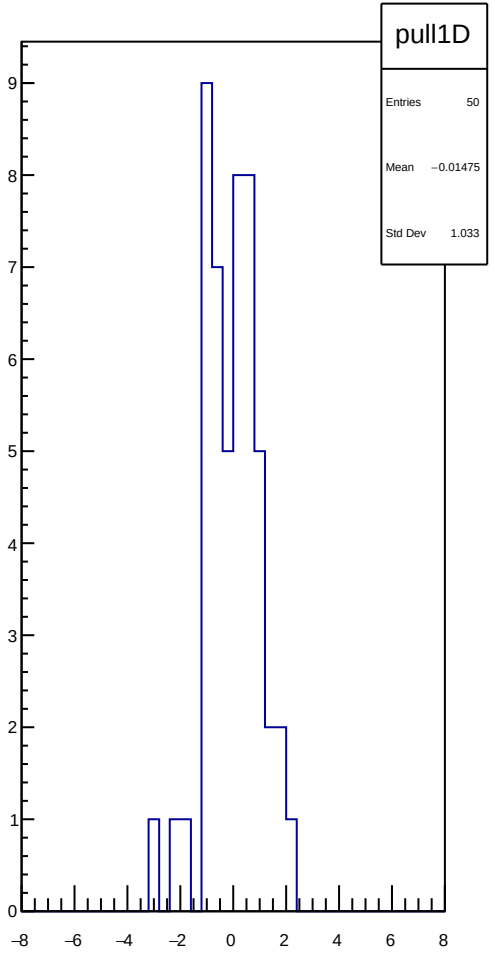

pull1D
Entries 50
Mean −0.1095
Std Dev 1.051

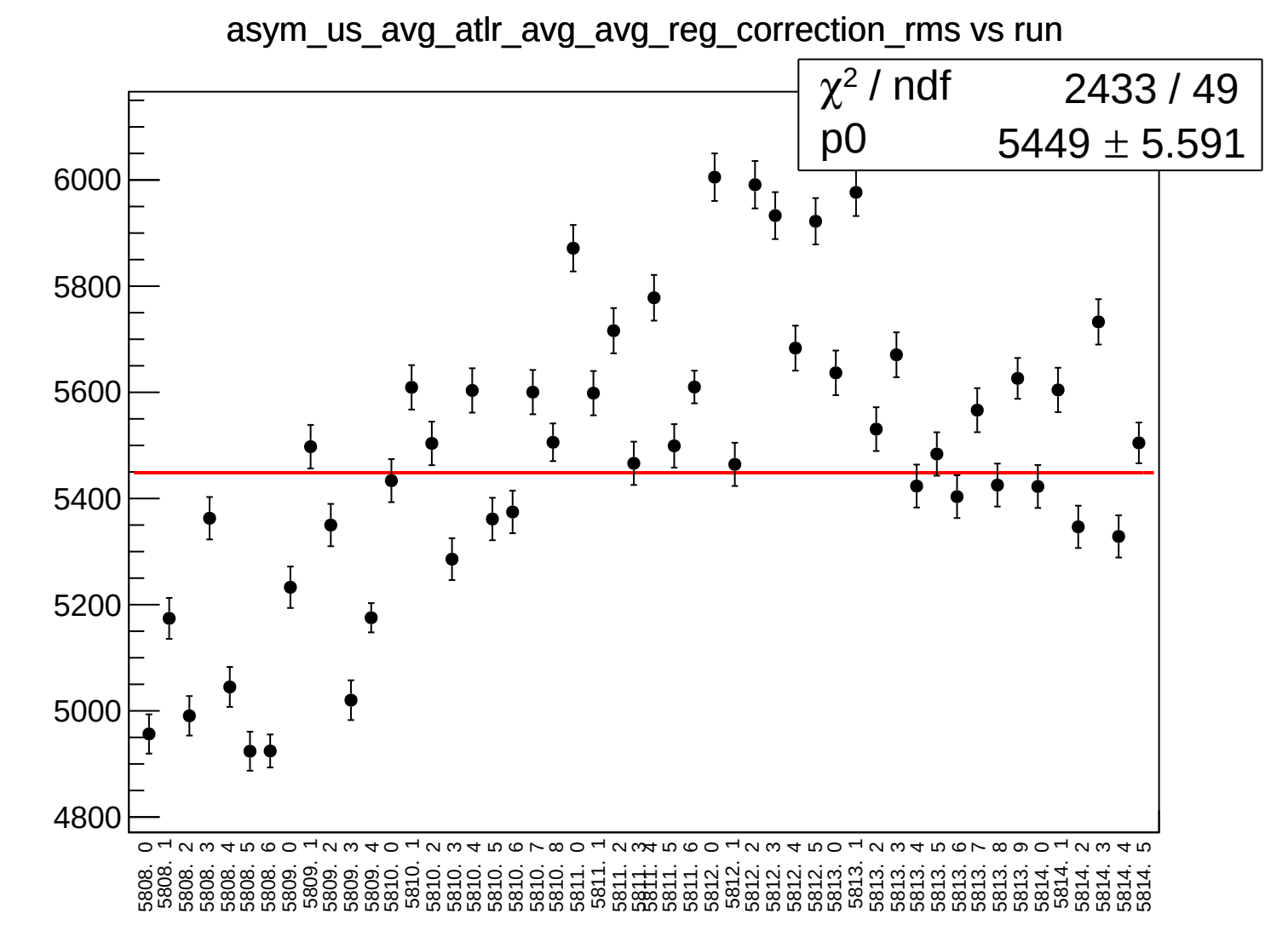

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.694e+05 / 49
p0 2.356e−10 ± 2.852e−13
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

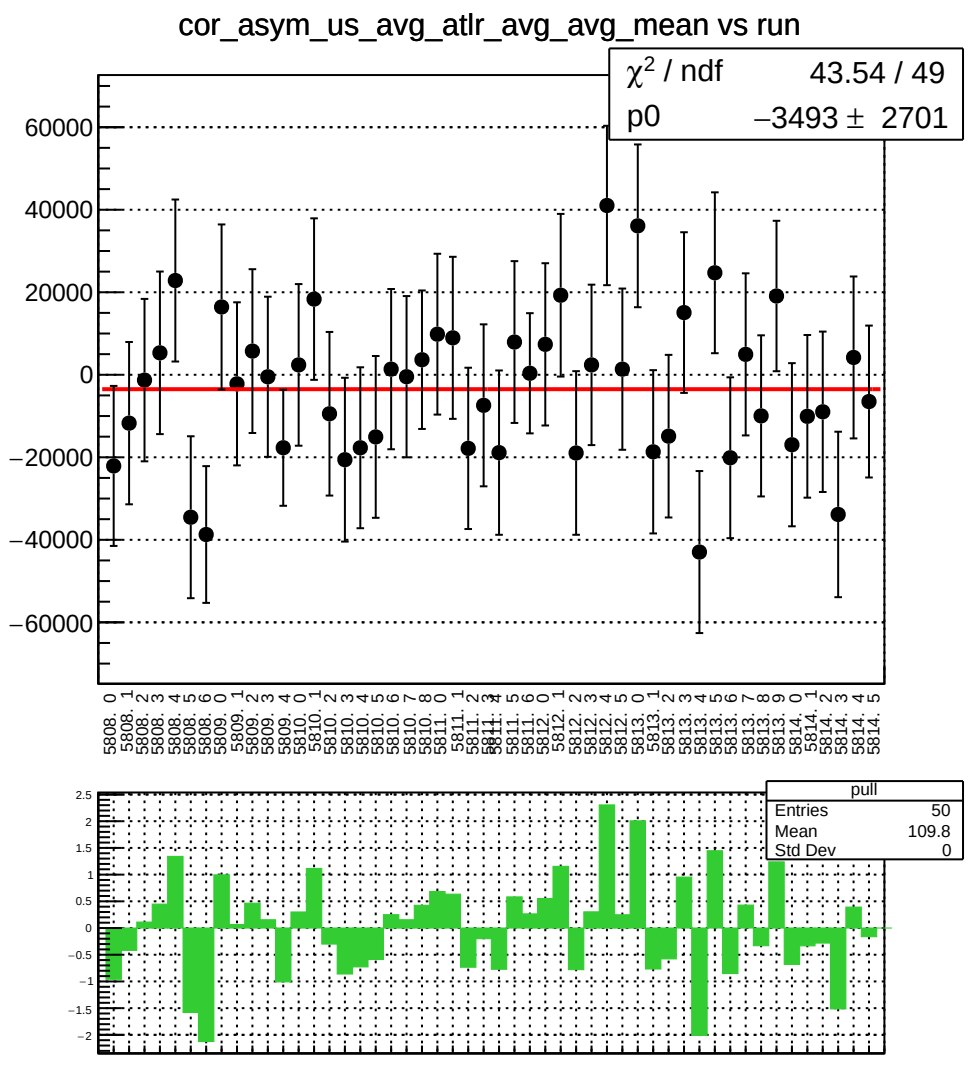

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 43.54 / 49
p0 −3494 ± 2701
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 109.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.009241
Std Dev 0.9331
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

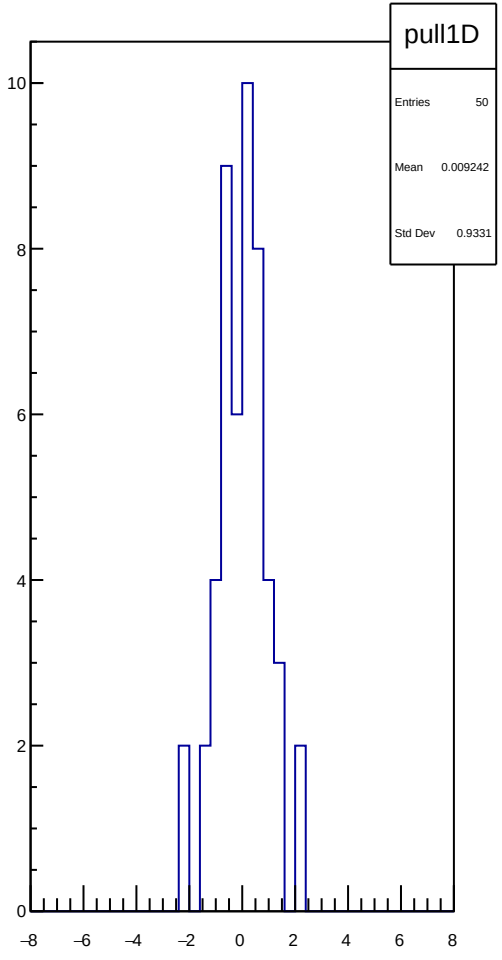

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 62.12 / 49
p0 1864 ± 1.91
1920
1900
1880
1860
1840
1820
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

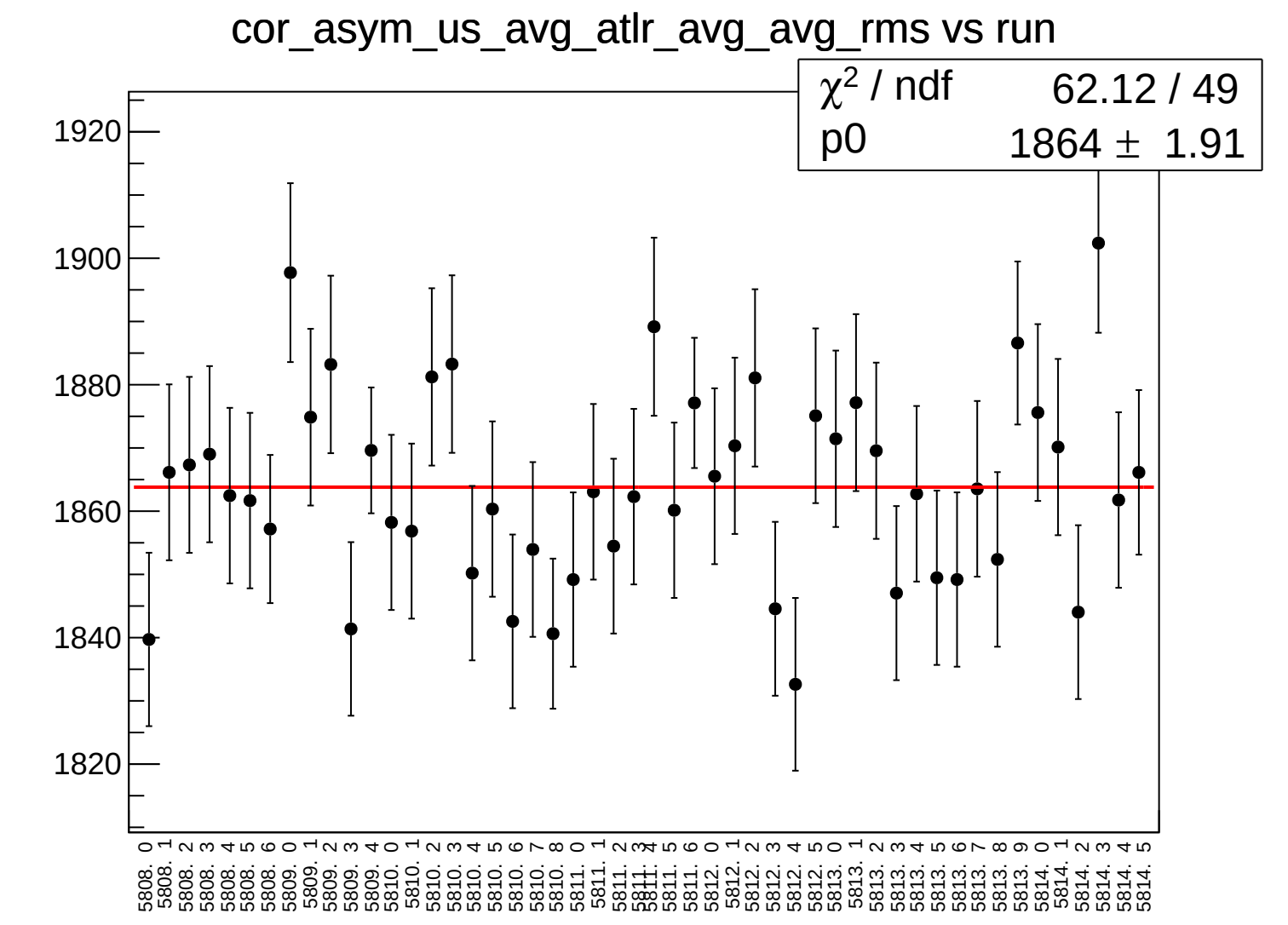

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 53.35 / 49
p0 1.943e+04 ± 7907
pull
Entries 50
Mean −140.2
Std Dev 0


pull1D
Entries 50
Mean −0.01475
Std Dev 1.033


asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 2433 / 49
p0 5449 ± 5.591
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 43.54 / 49
p0 −3493 ± 2701
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 109.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.009242
Std Dev 0.9331
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 62.12 / 49
p0 1864 ± 1.91
1920
1900
1880
1860
1840
1820
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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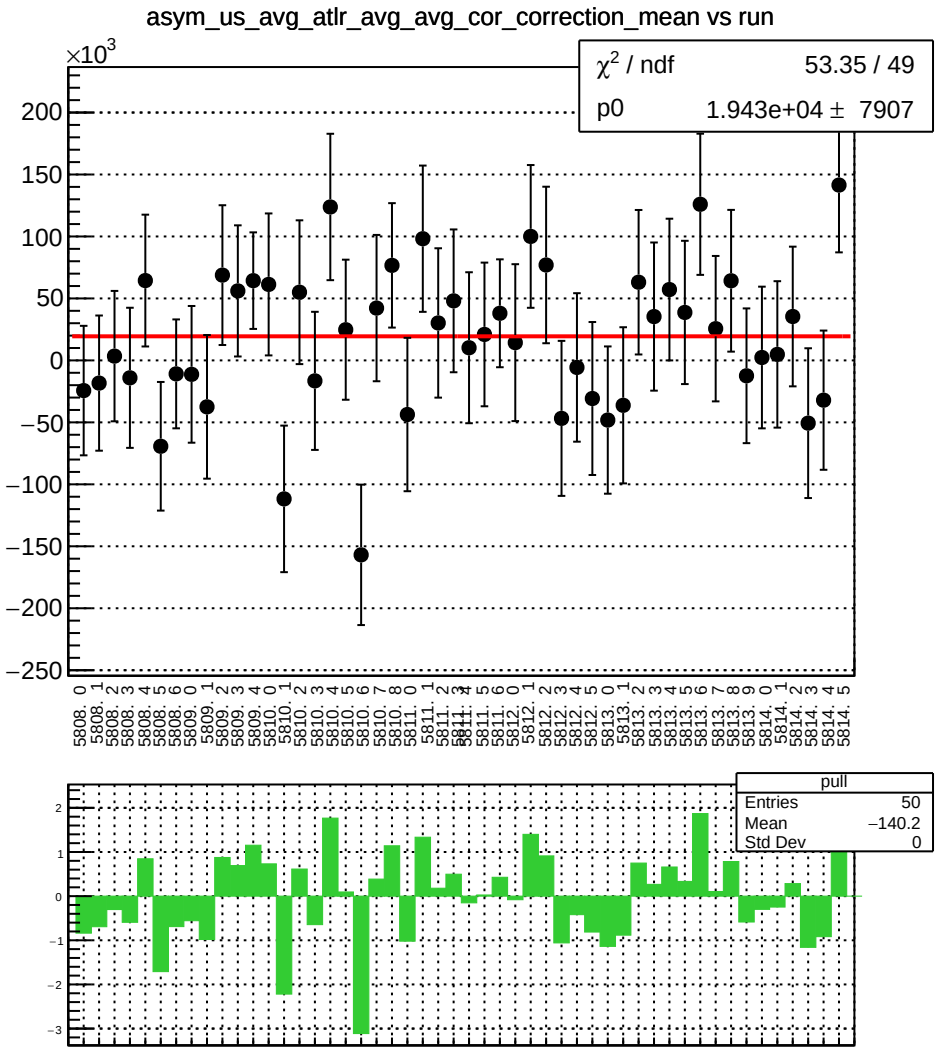
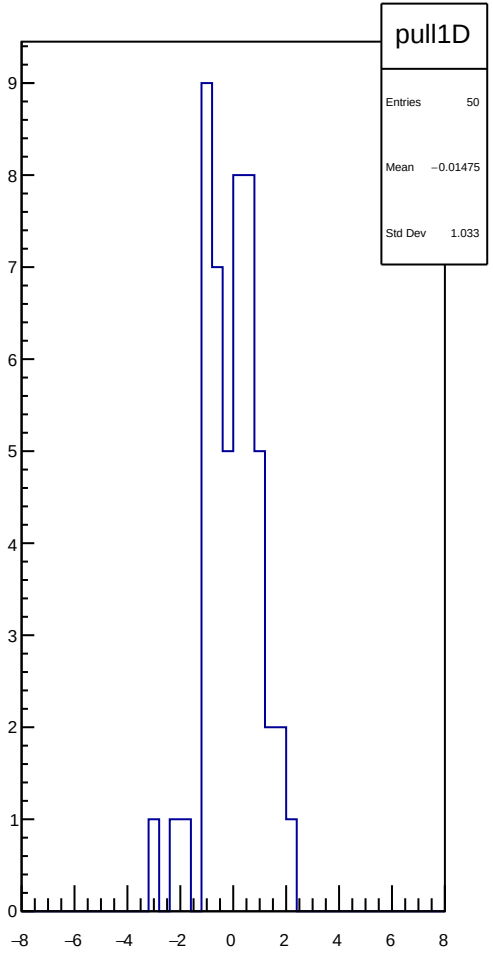
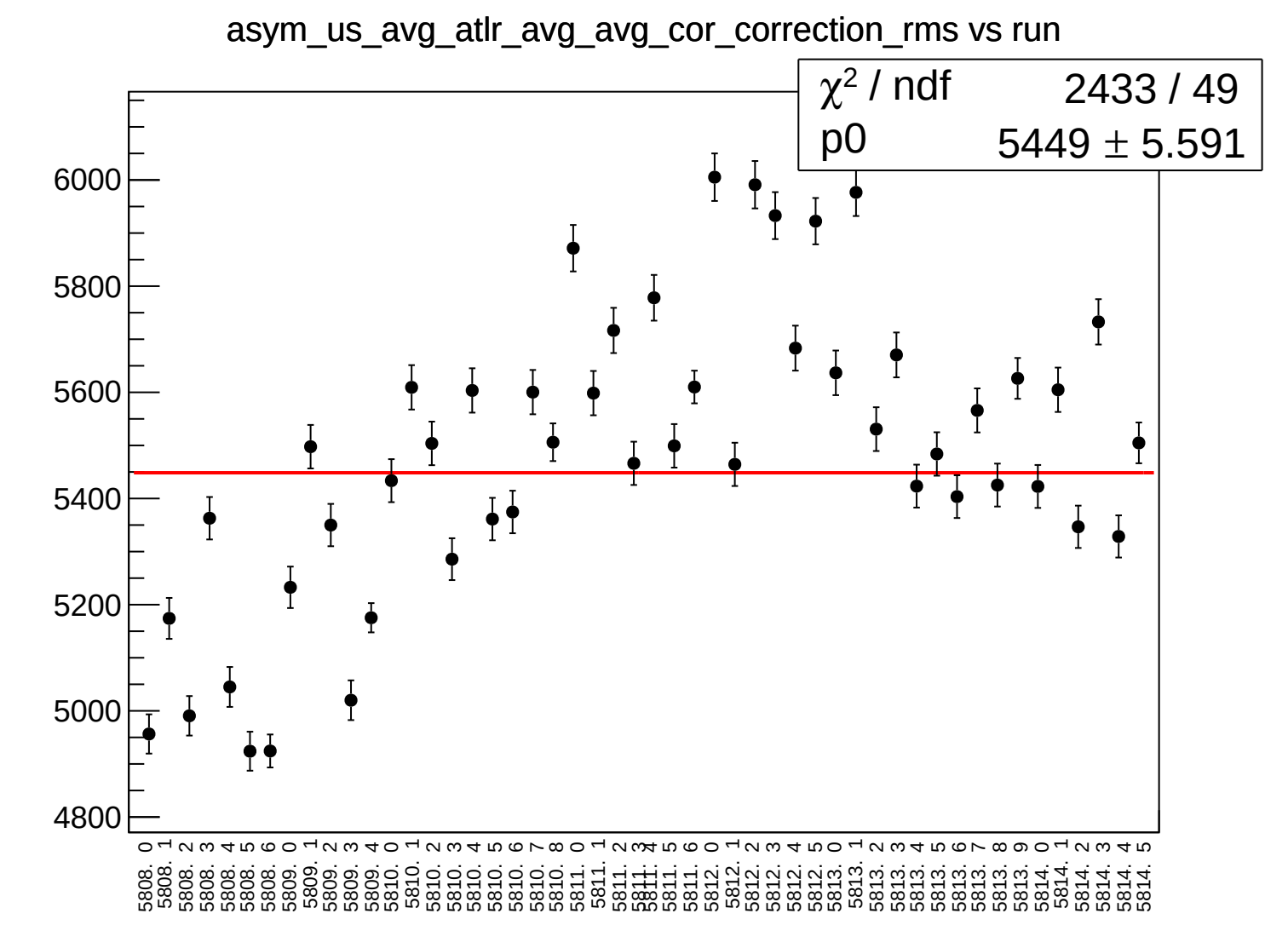
5814. 4
5814. 5


asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 53.35 / 49
p0 1.943e+04 ± 7907
pull
Entries 50
Mean −140.2
Std Dev 0


pull1D
Entries 50
Mean −0.01475
Std Dev 1.033


asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 2433 / 49
p0 5449 ± 5.591
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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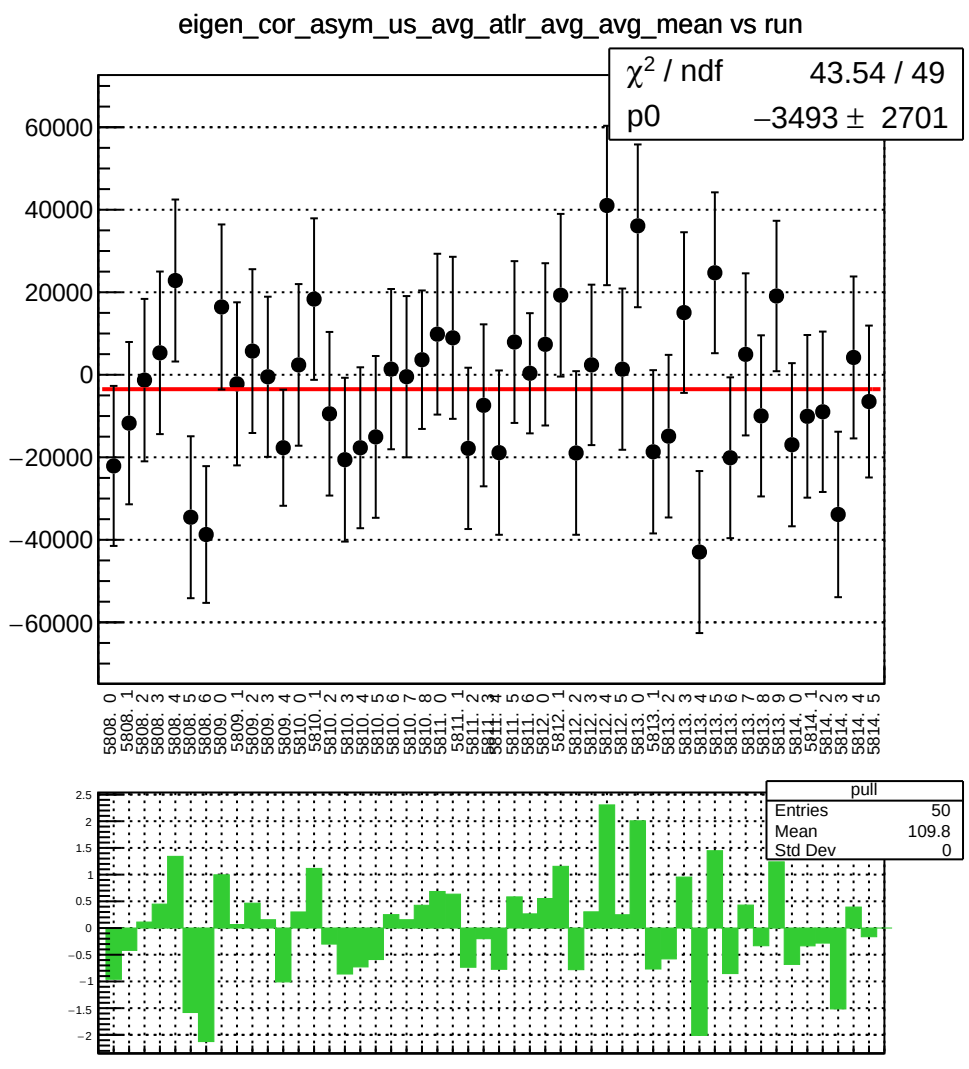
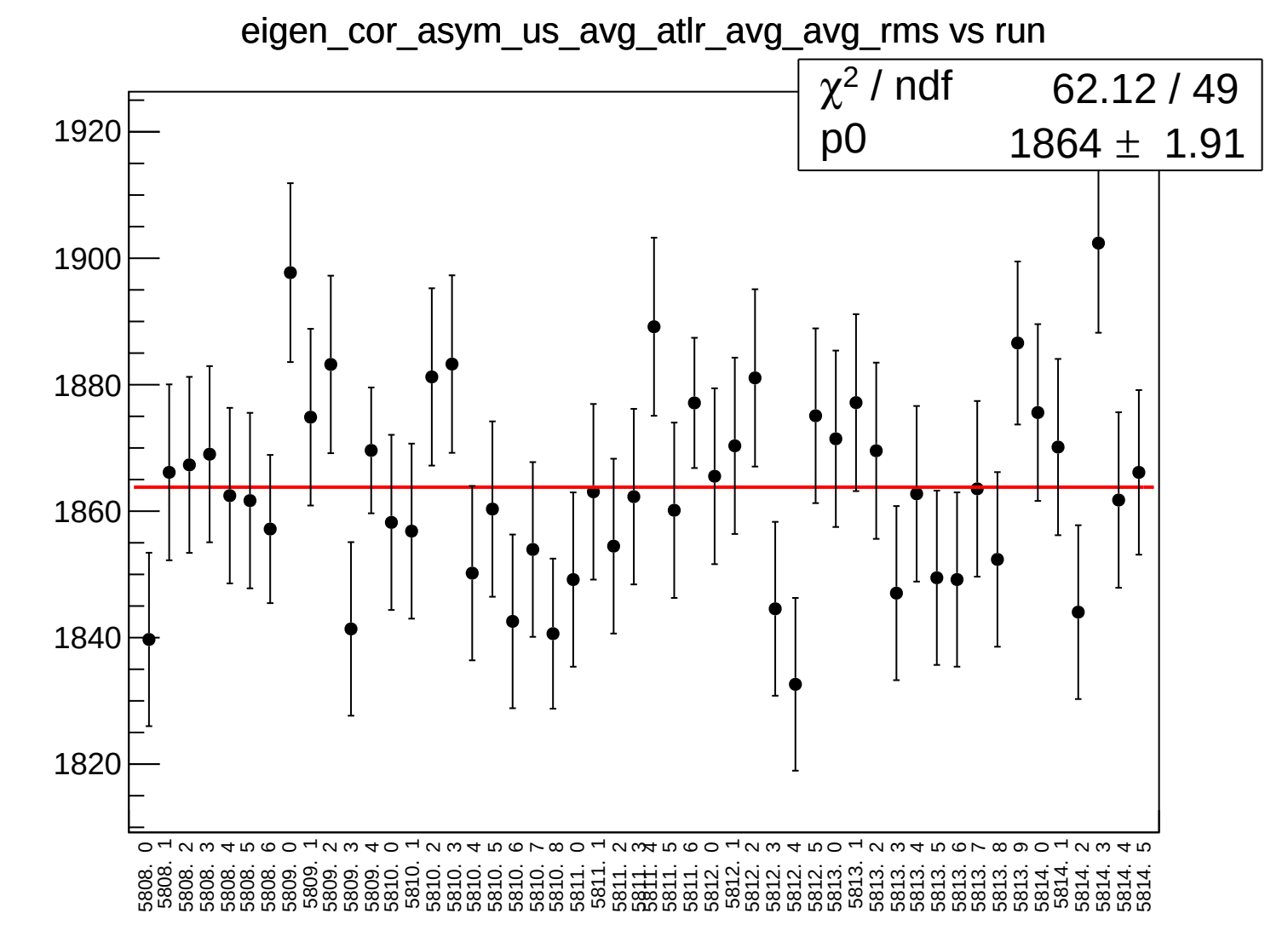
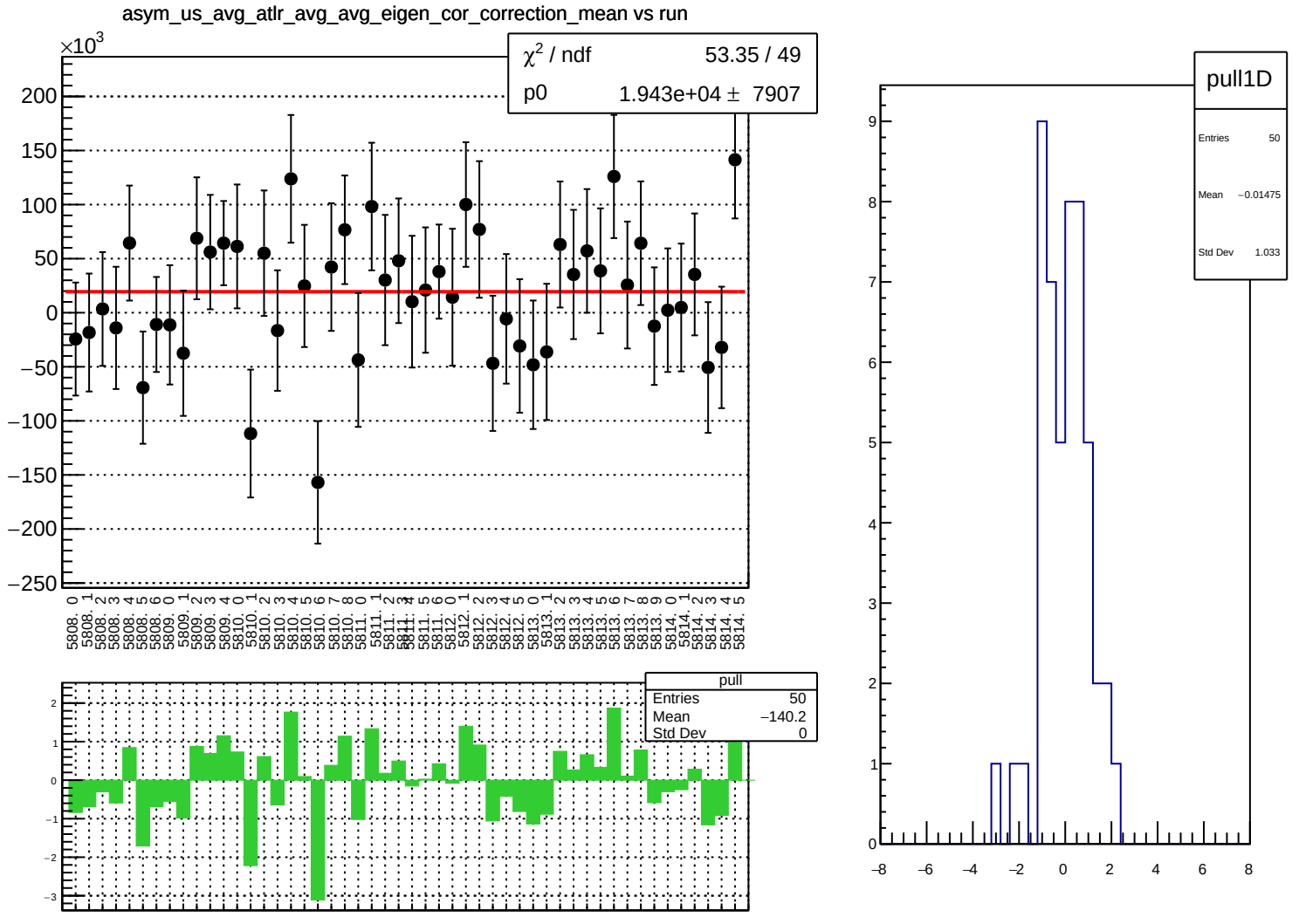
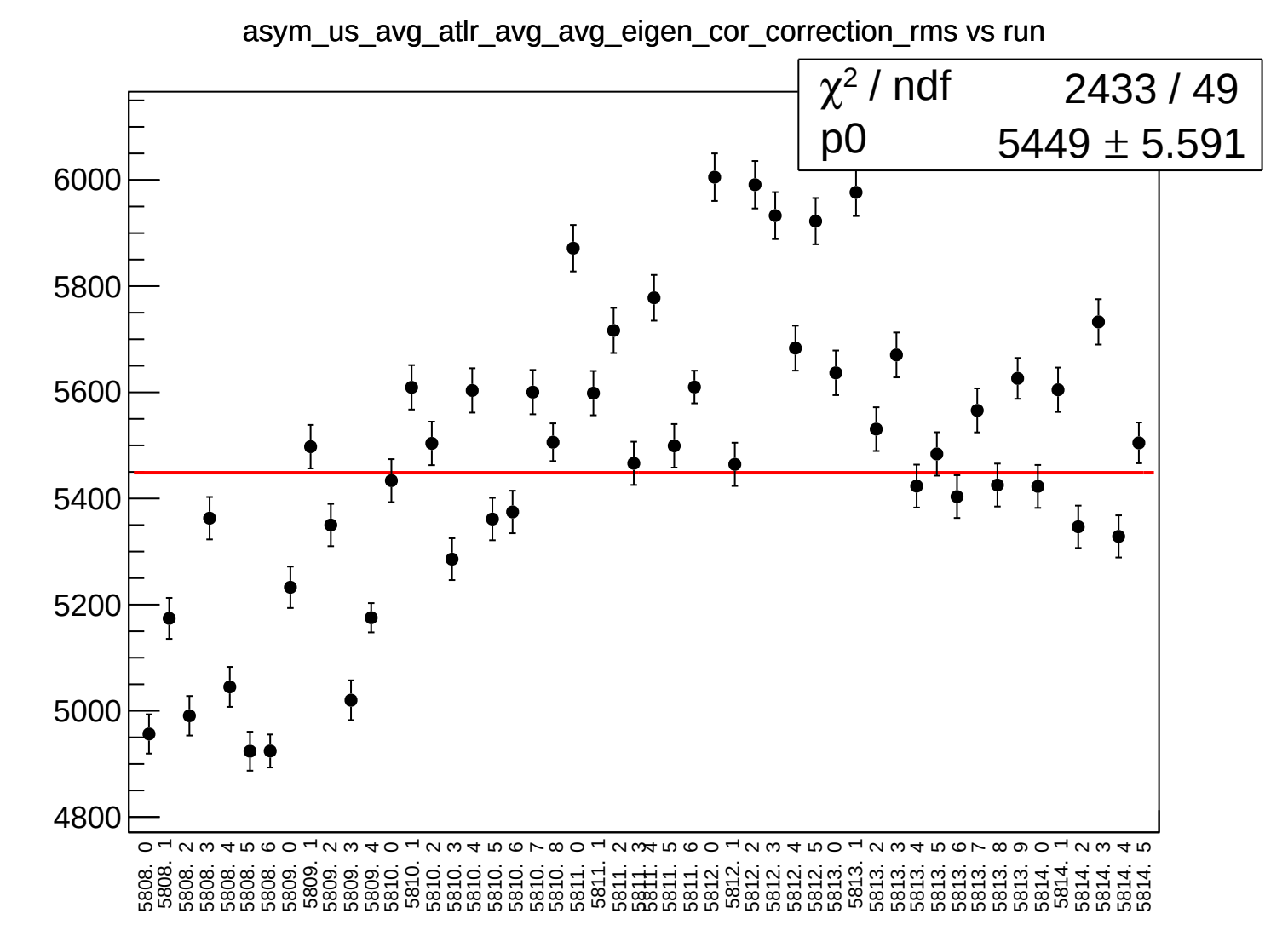
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 43.54 / 49
p0 −3493 ± 2701
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 109.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.009242
Std Dev 0.9331
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 62.12 / 49
p0 1864 ± 1.91
1920
1900
1880
1860
1840
1820
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 53.35 / 49
p0 1.943e+04 ± 7907
pull
Entries 50
Mean −140.2
Std Dev 0
pull1D
Entries 50
Mean −0.01475
Std Dev 1.033


asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 2433 / 49
p0 5449 ± 5.591
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5814. 0
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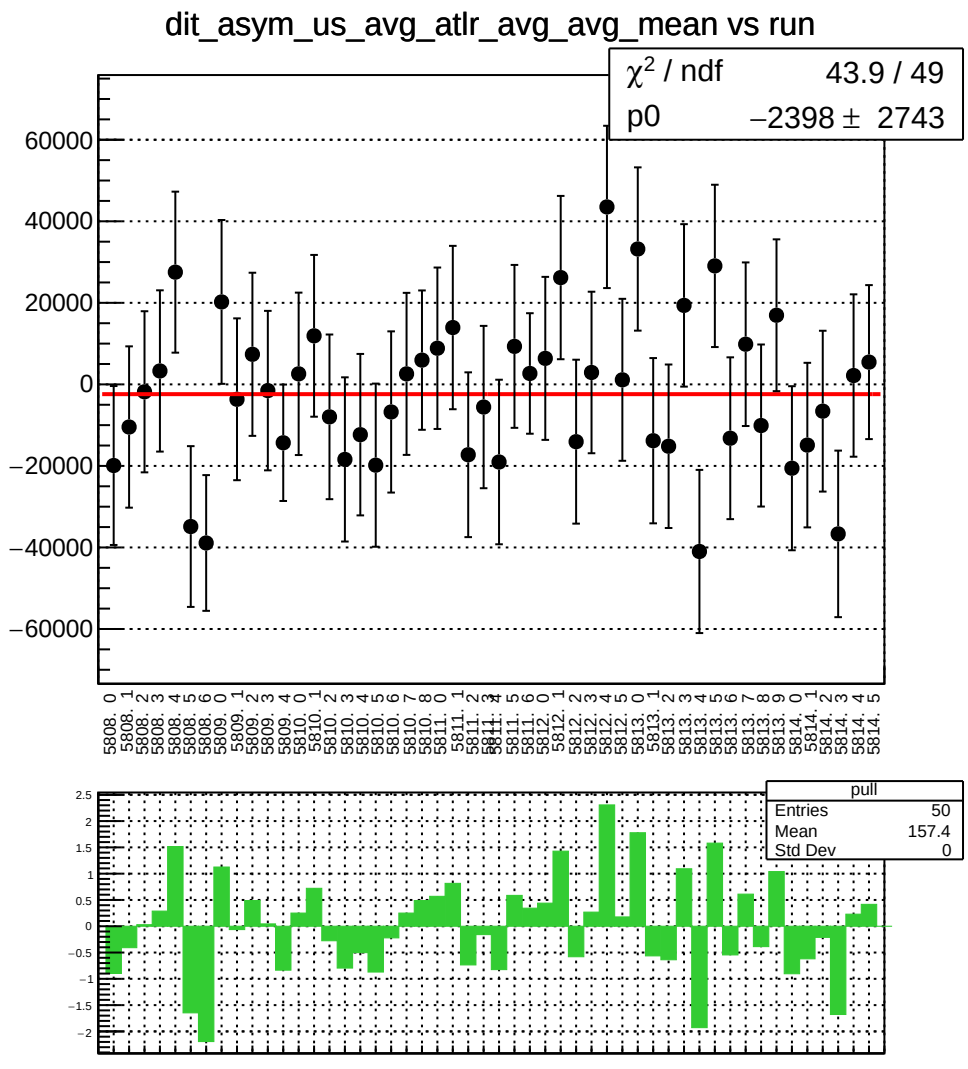
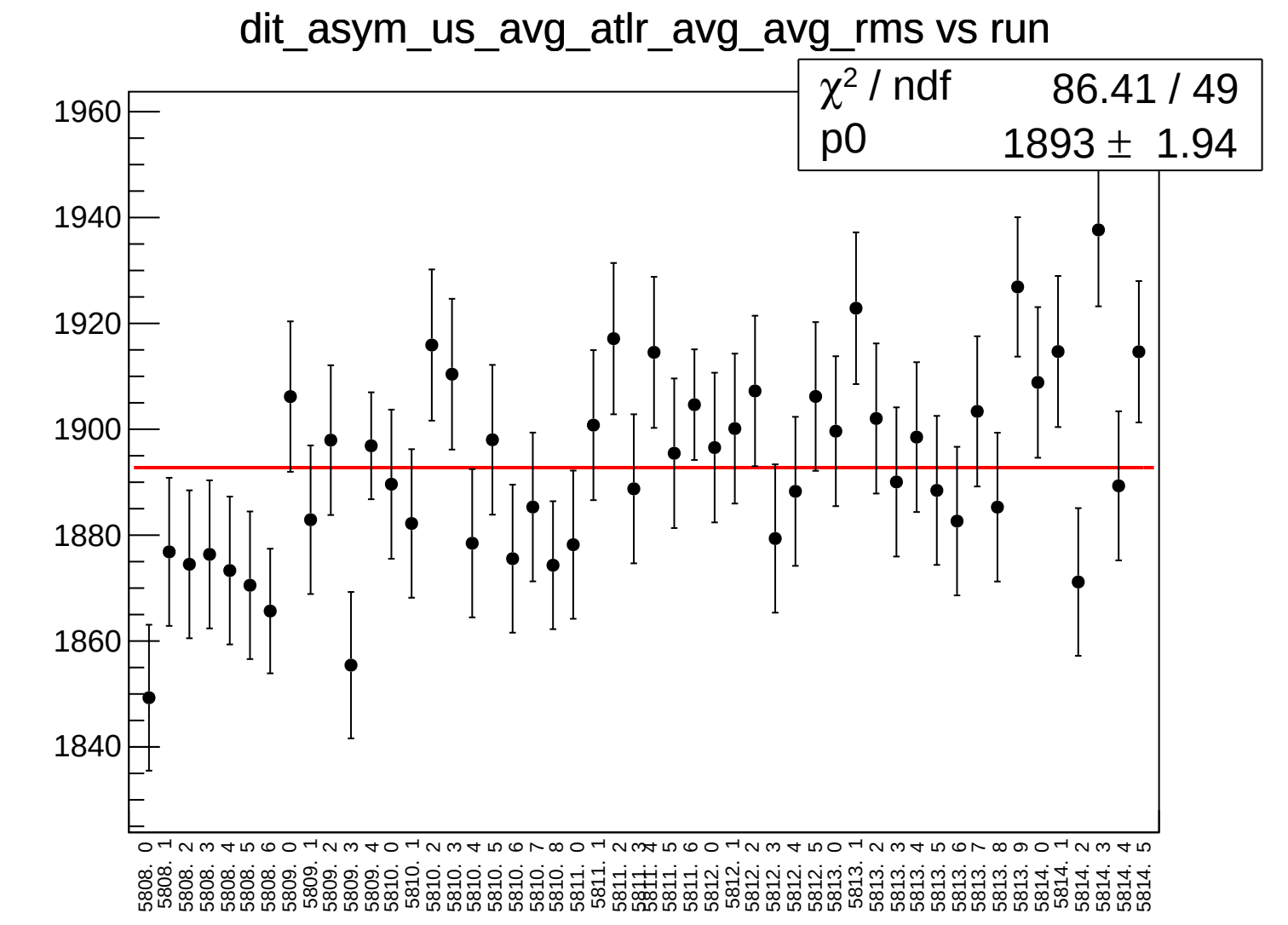
5814. 4
5814. 5


dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 43.9 / 49
p0 −2398 ± 2743
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 157.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008075
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 86.41 / 49
p0 1893 ± 1.94
1960
1940
1920
1900
1880
1860
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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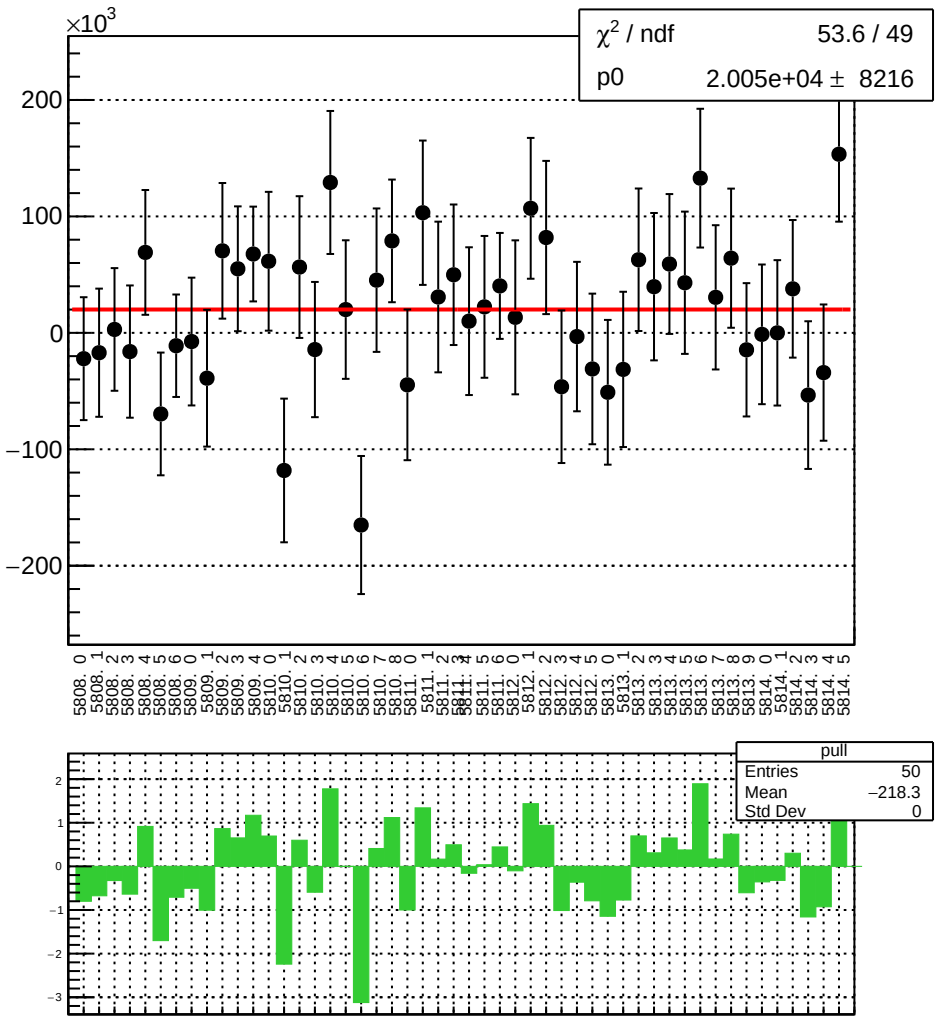
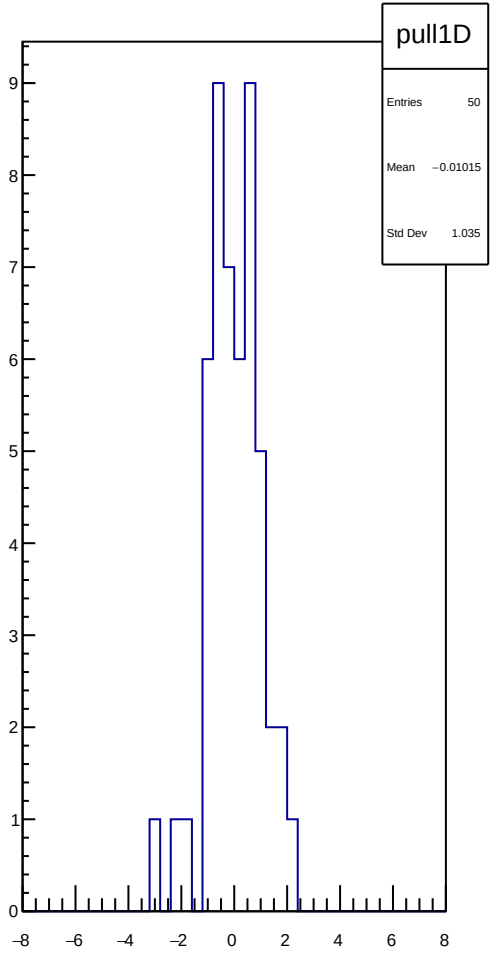
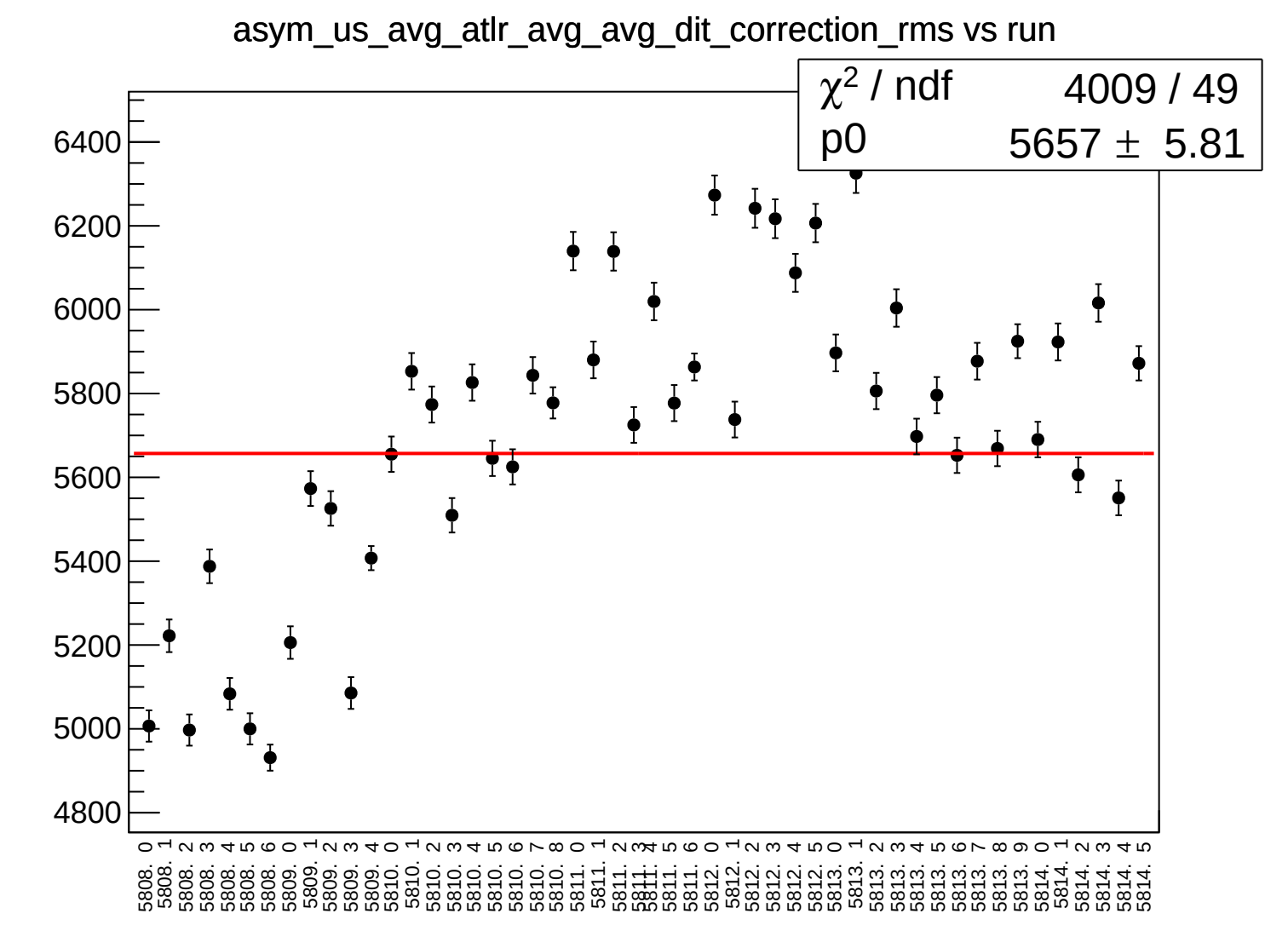
5814. 4
5814. 5


asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 53.6 / 49
p0 2.005e+04 ± 8216
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −218.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01015
Std Dev 1.035
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_dit_correction_rms vs run
χ² / ndf 4009 / 49
p0 5657 ± 5.81
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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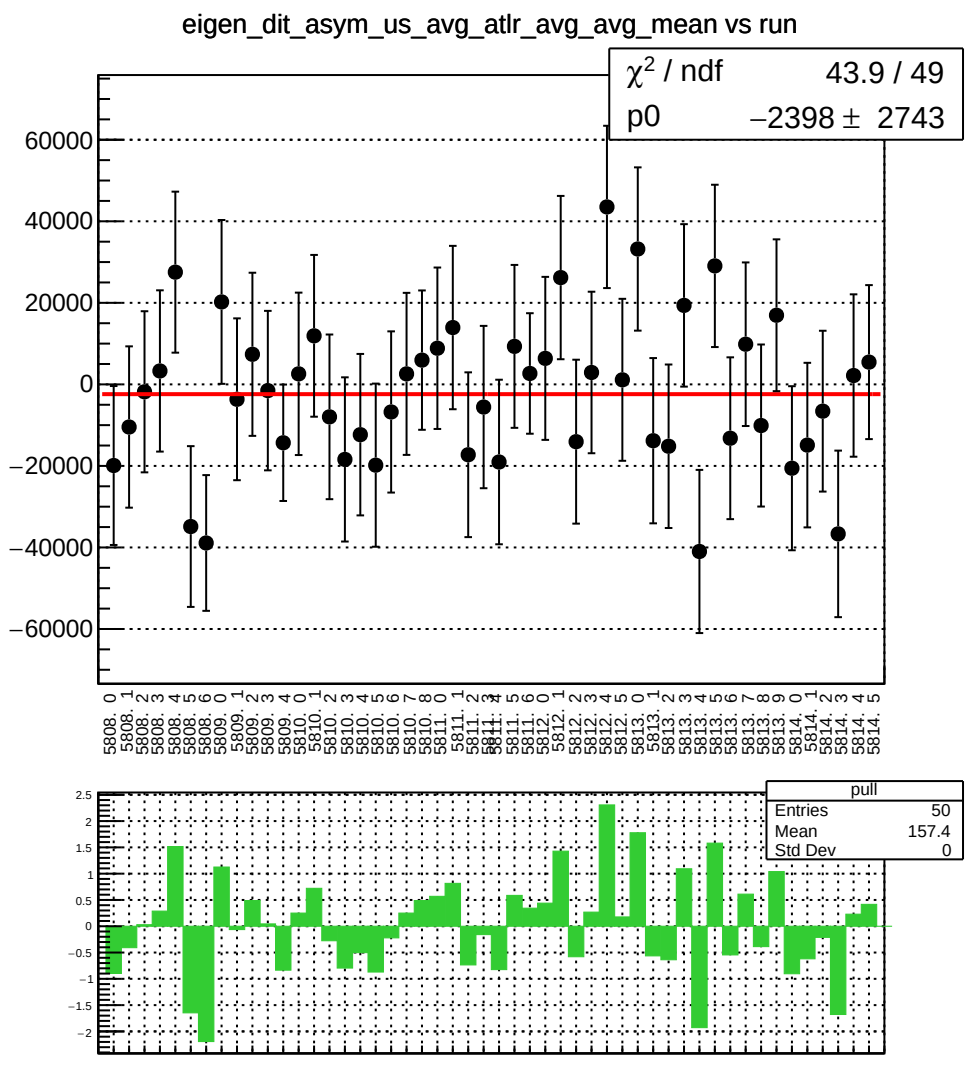
5814. 4
5814. 5


eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 43.9 / 49
p0 −2398 ± 2743
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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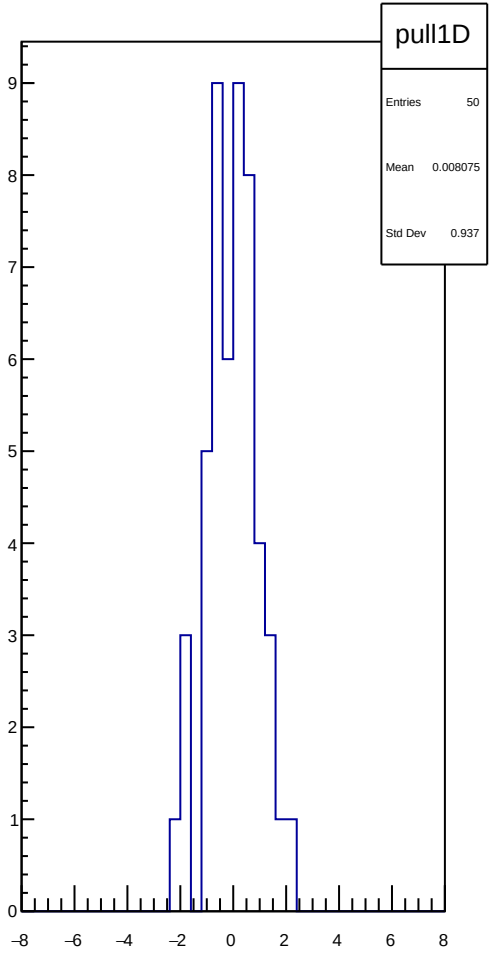
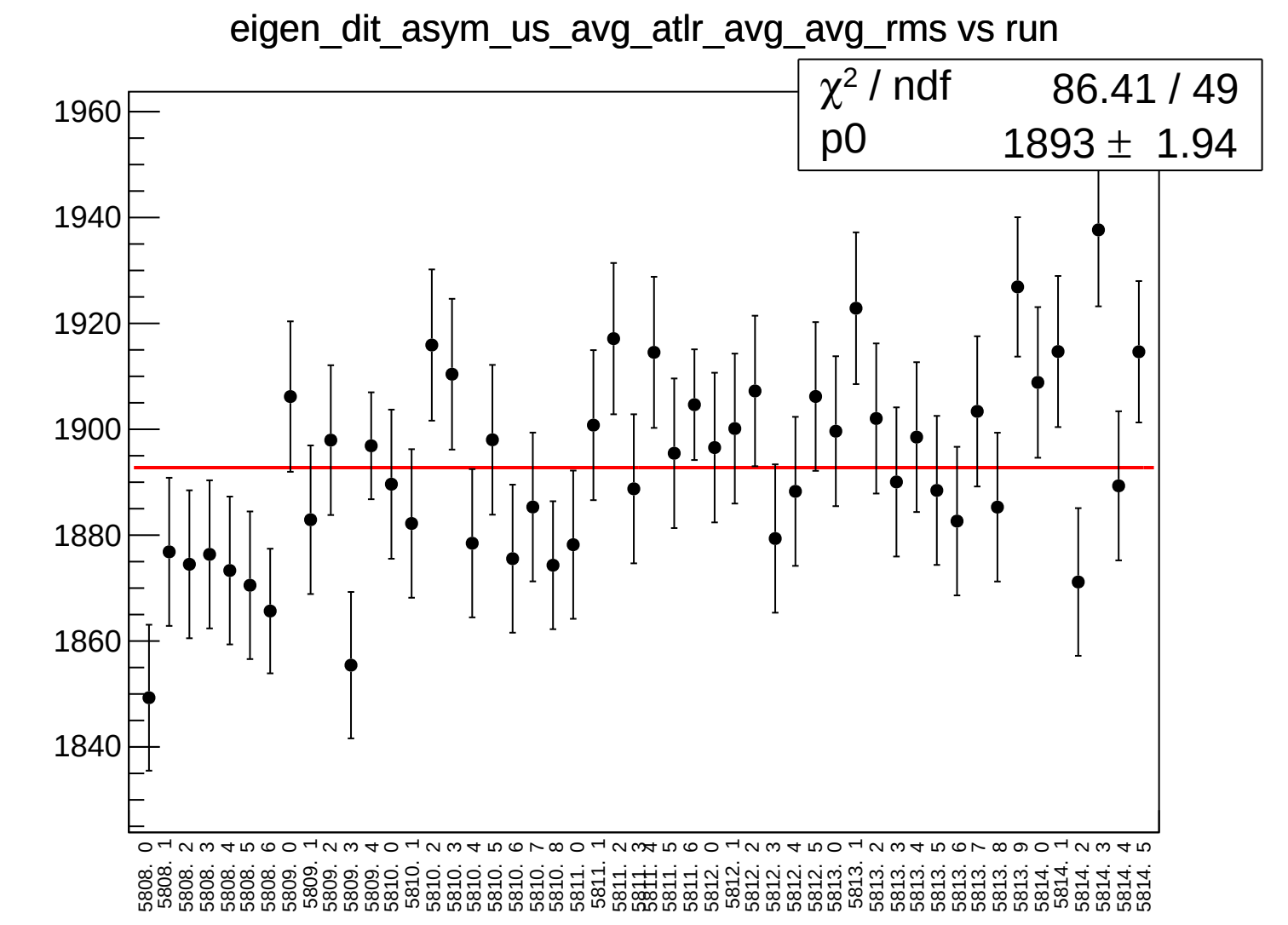
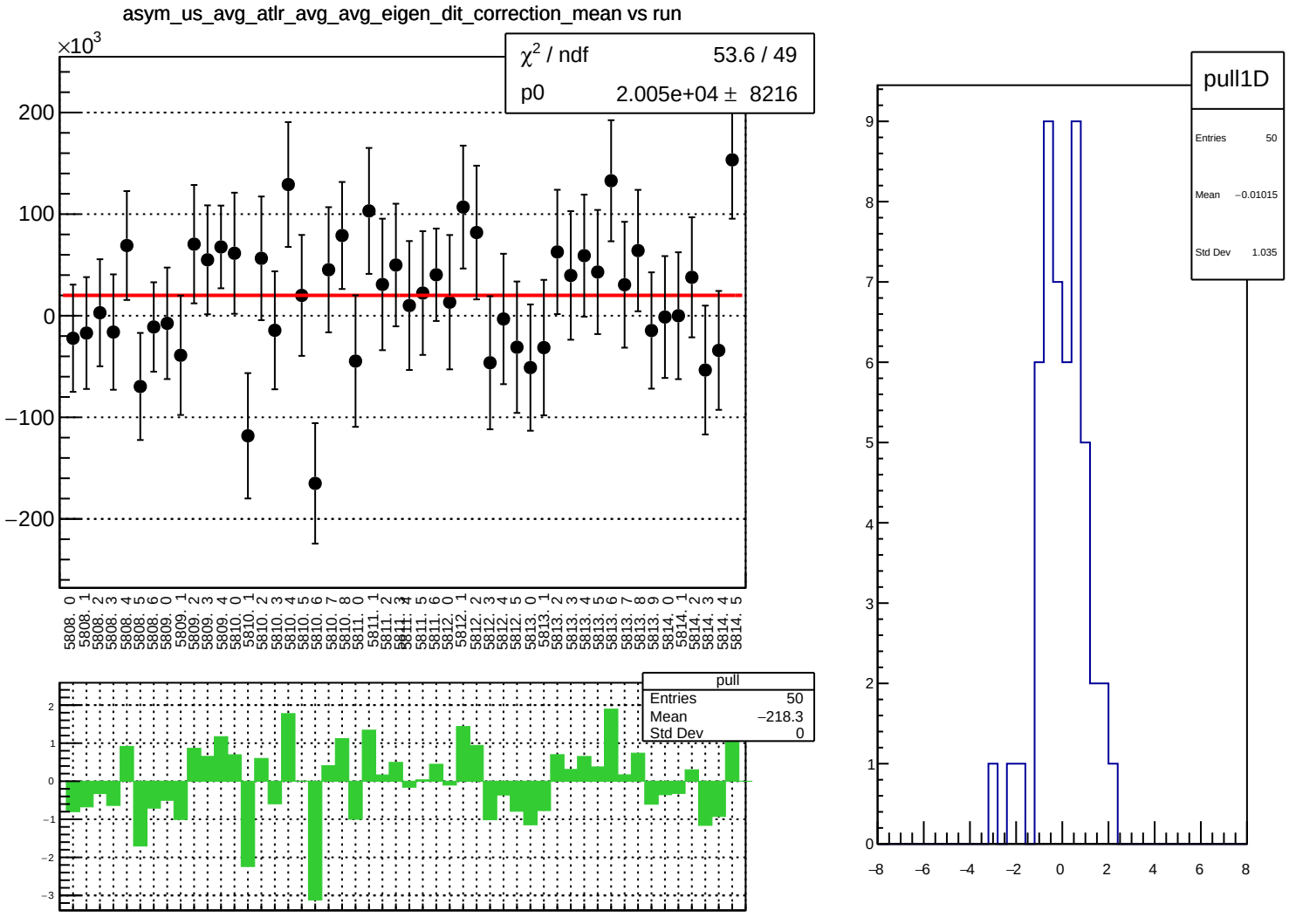
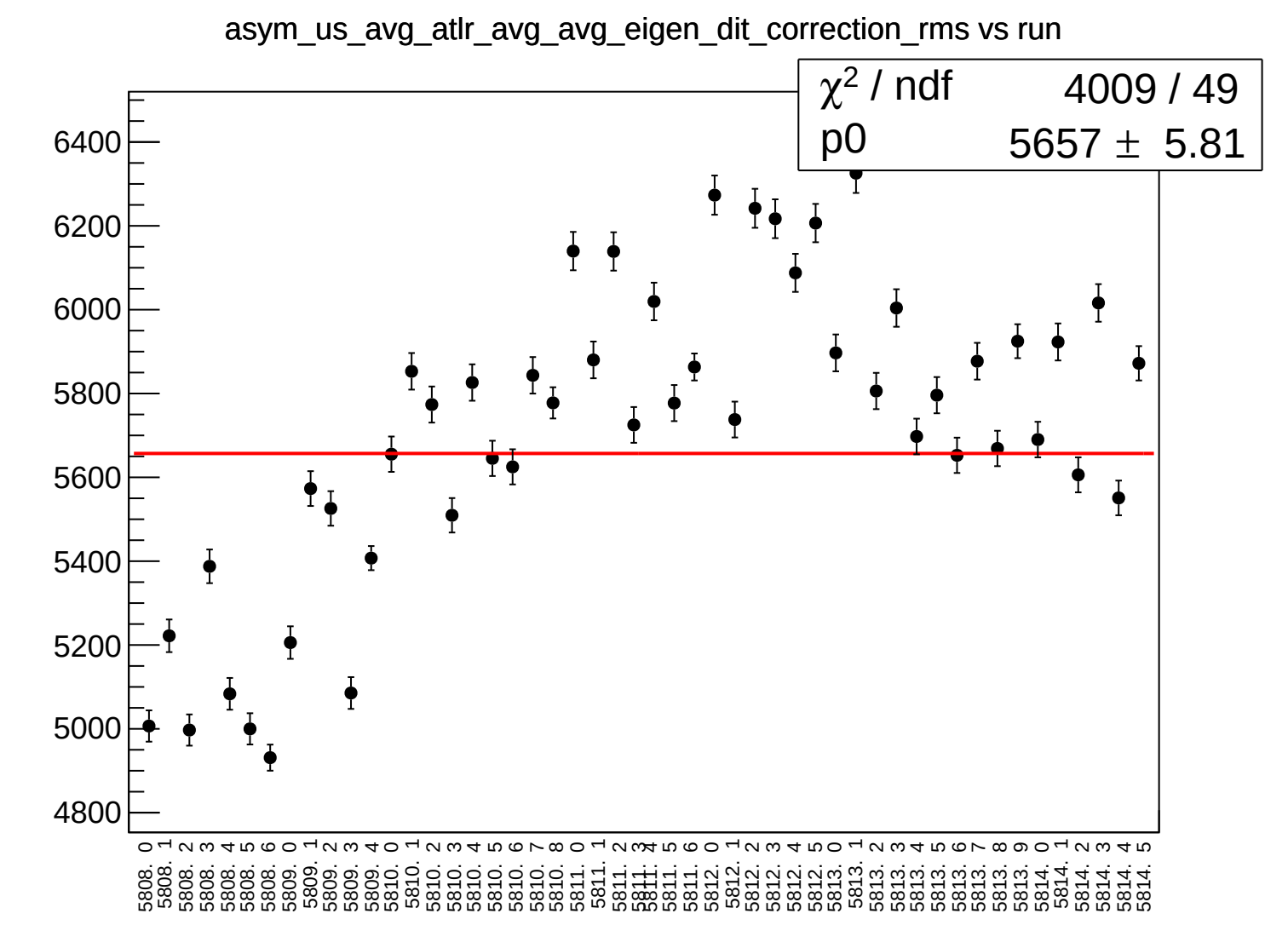
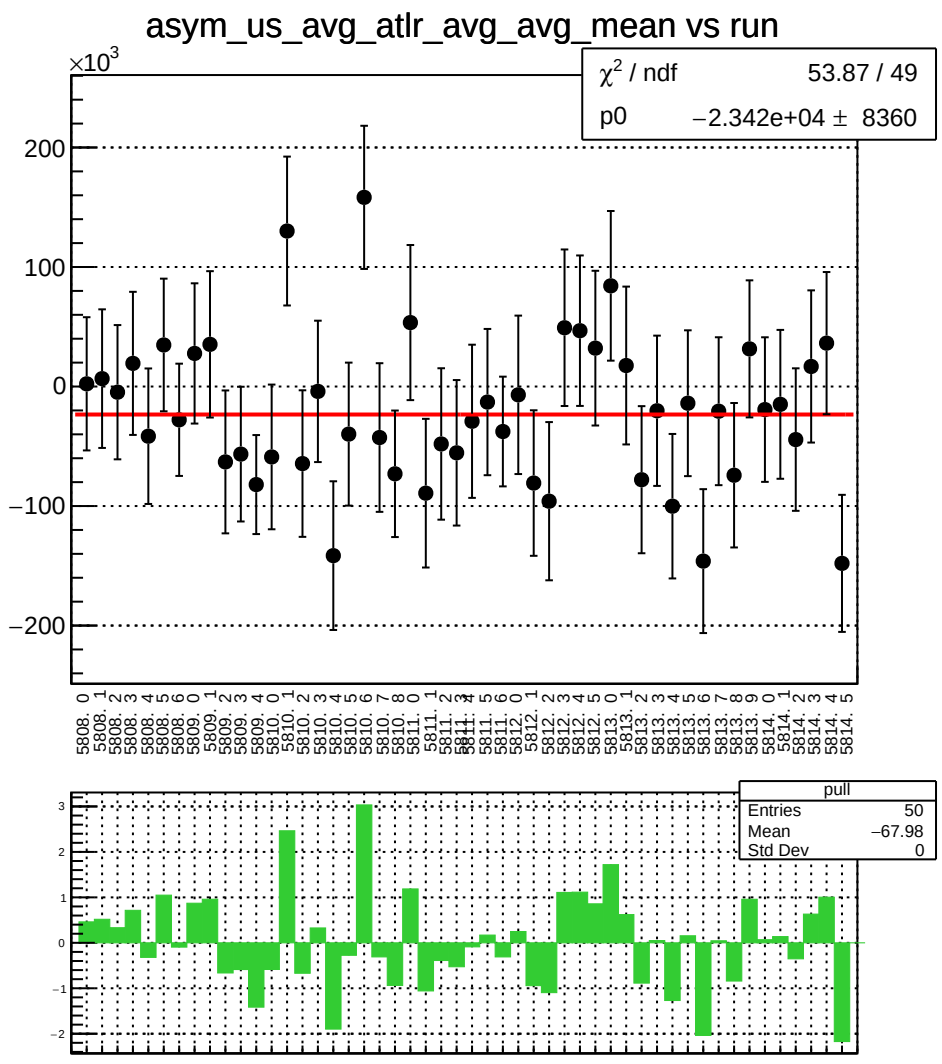
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 157.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

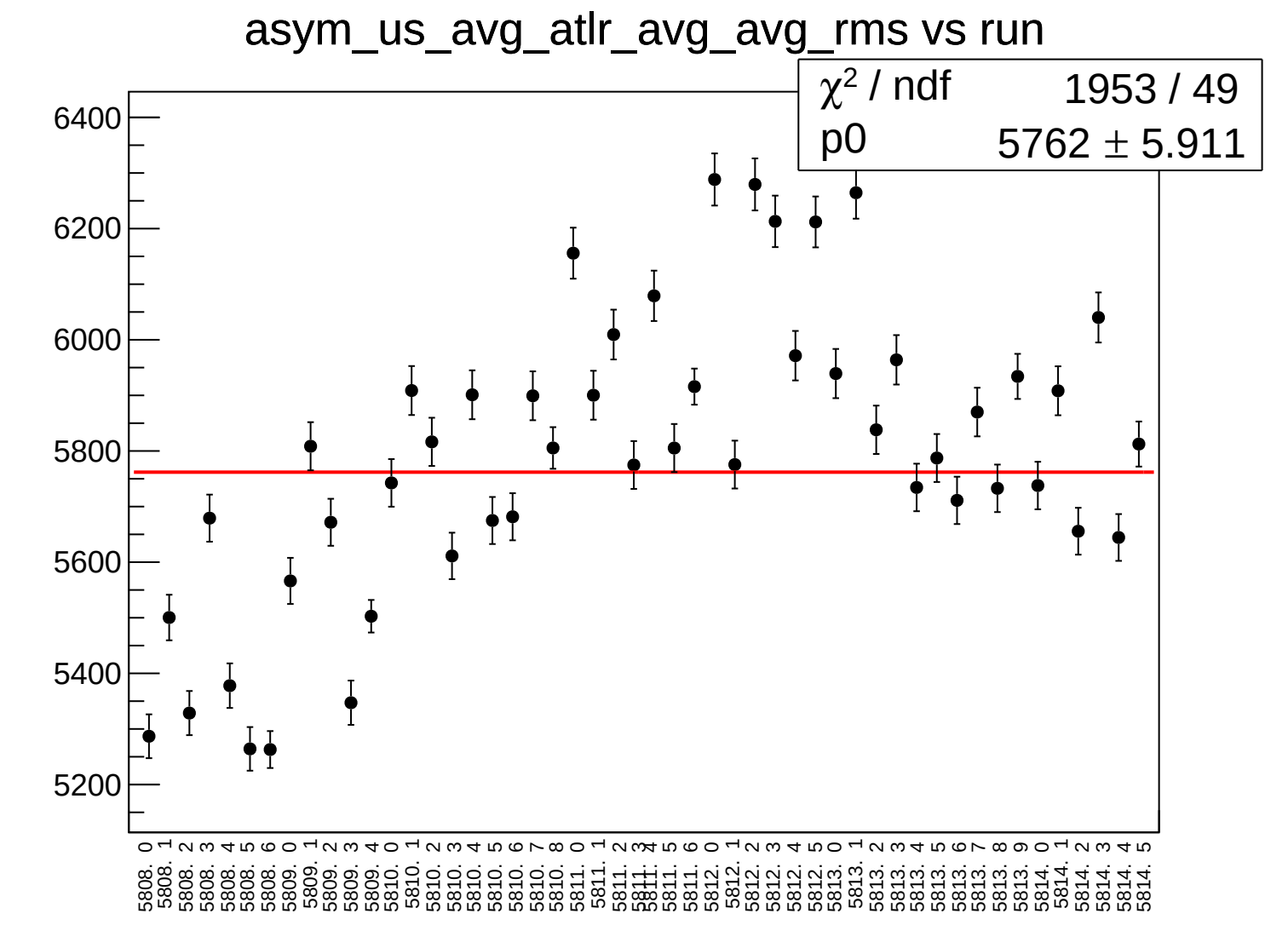

pull1D
Entries 50
Mean 0.008075
Std Dev 0.937
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

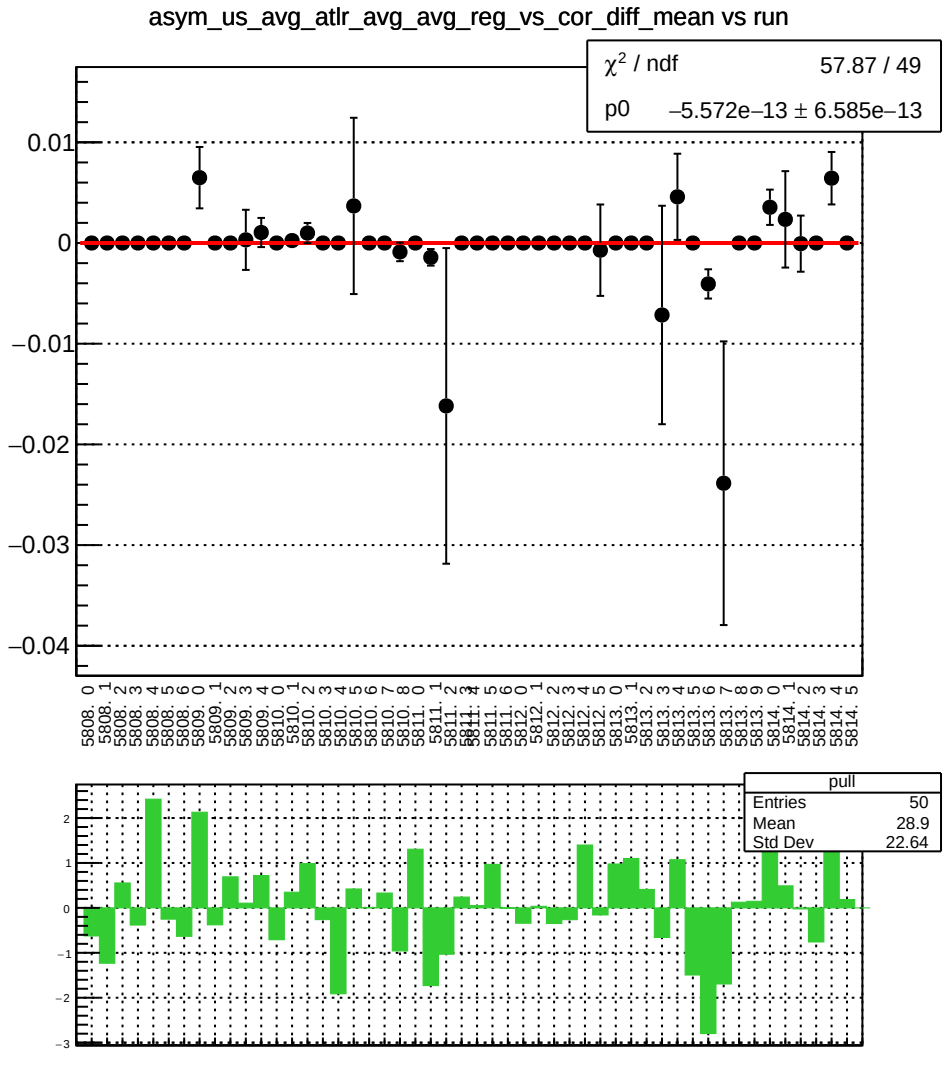

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 86.41 / 49
p0 1893 ± 1.94
1960
1940
1920
1900
1880
1860
1840
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

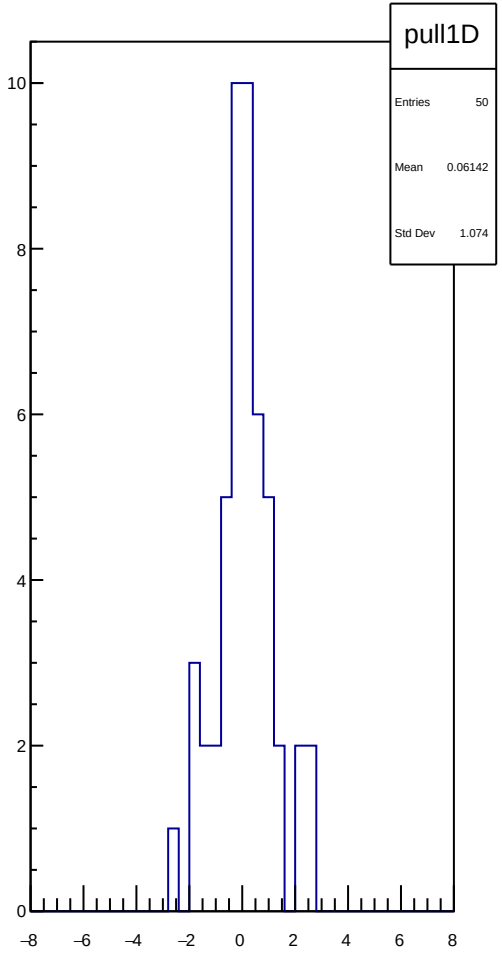

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 53.6 / 49
p0 2.005e+04 ± 8216
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −218.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01015
Std Dev 1.035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

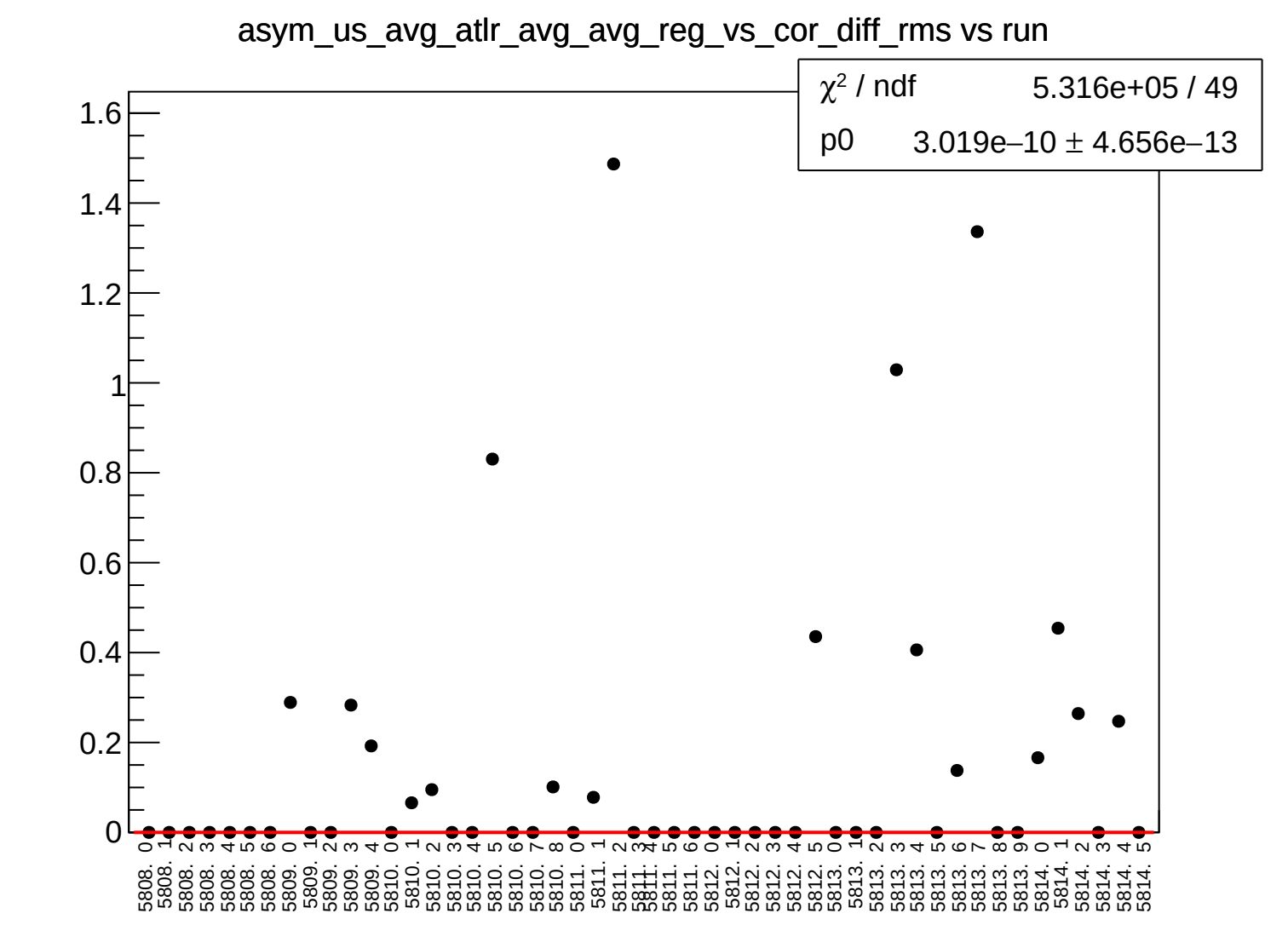

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 4009 / 49
p0 5657 ± 5.81
6400
6200
6000
5800
5600
5400
5200
5000
4800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

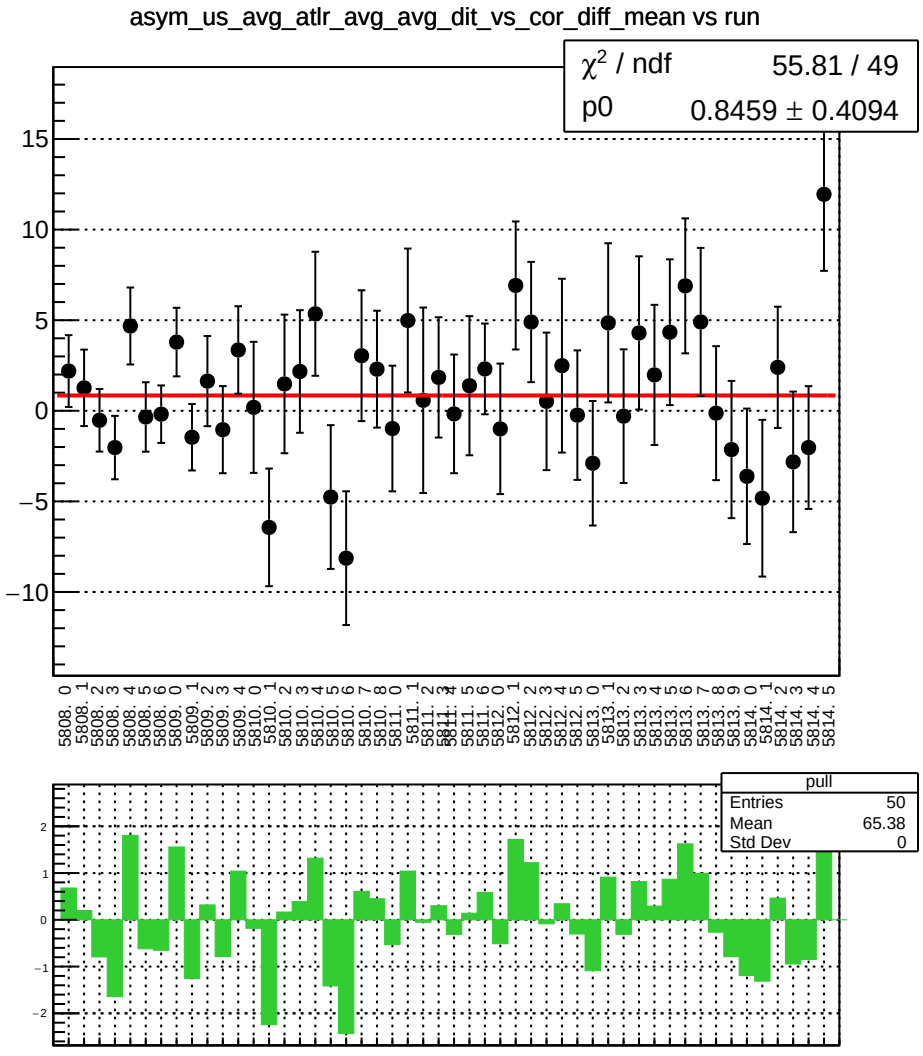

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 53.87 / 49
p0 −2.342e+04 ± 8360
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −67.98
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02159
Std Dev 1.038
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

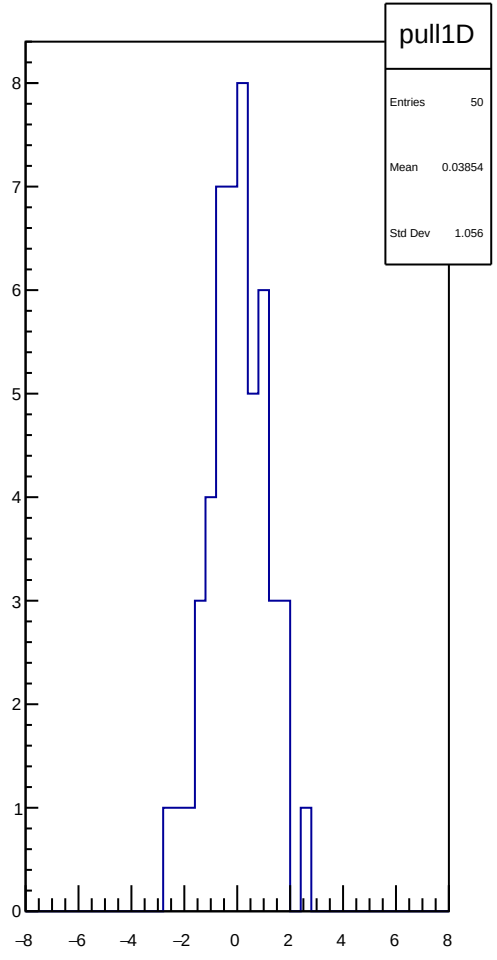

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1953 / 49
p0 5762 ± 5.911
6400
6200
6000
5800
5600
5400
5200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

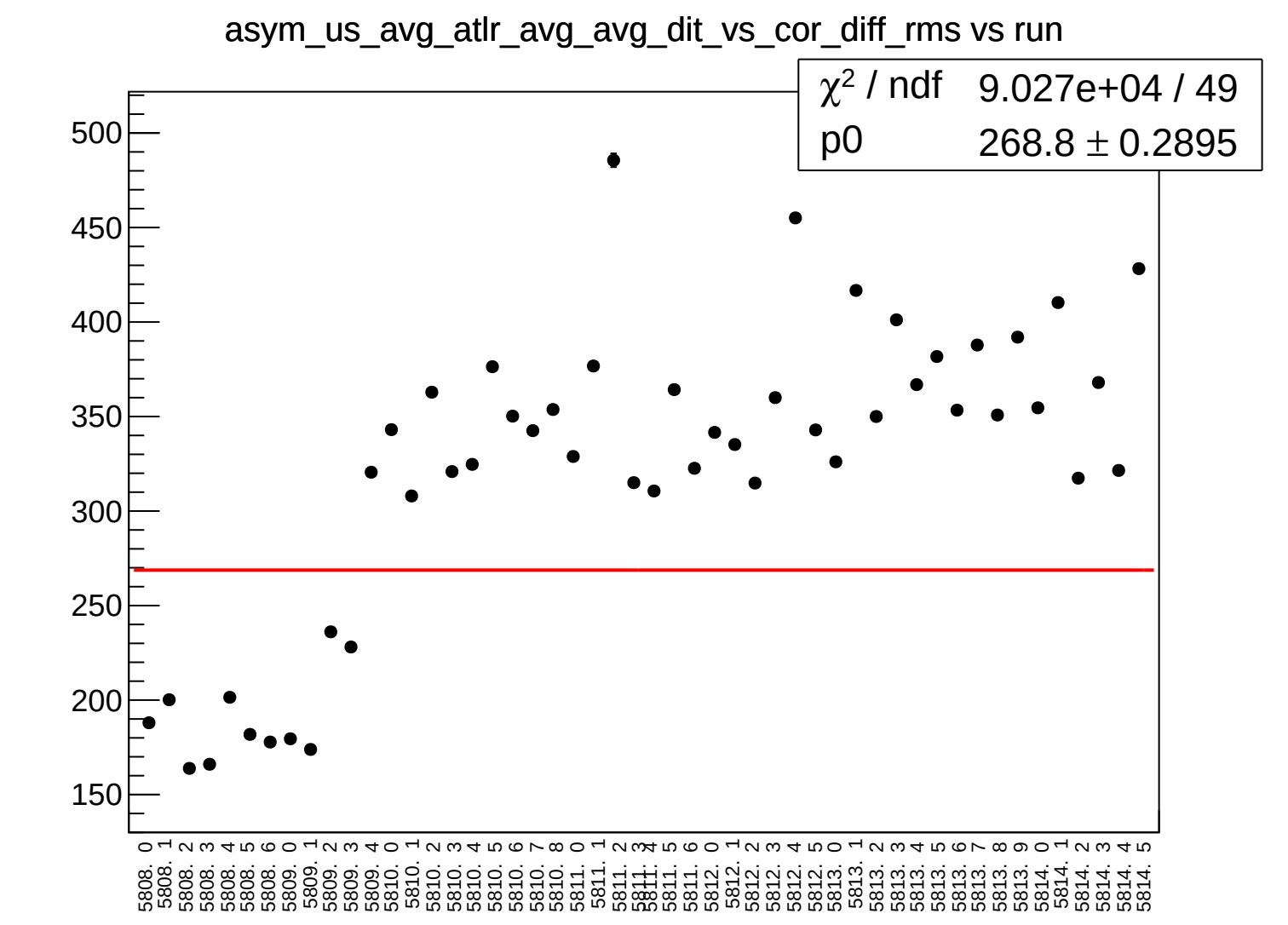

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.87 / 49
p0 −5.572e−13 ± 6.585e−13
pull
Entries 50
Mean 28.9
Std Dev 22.64

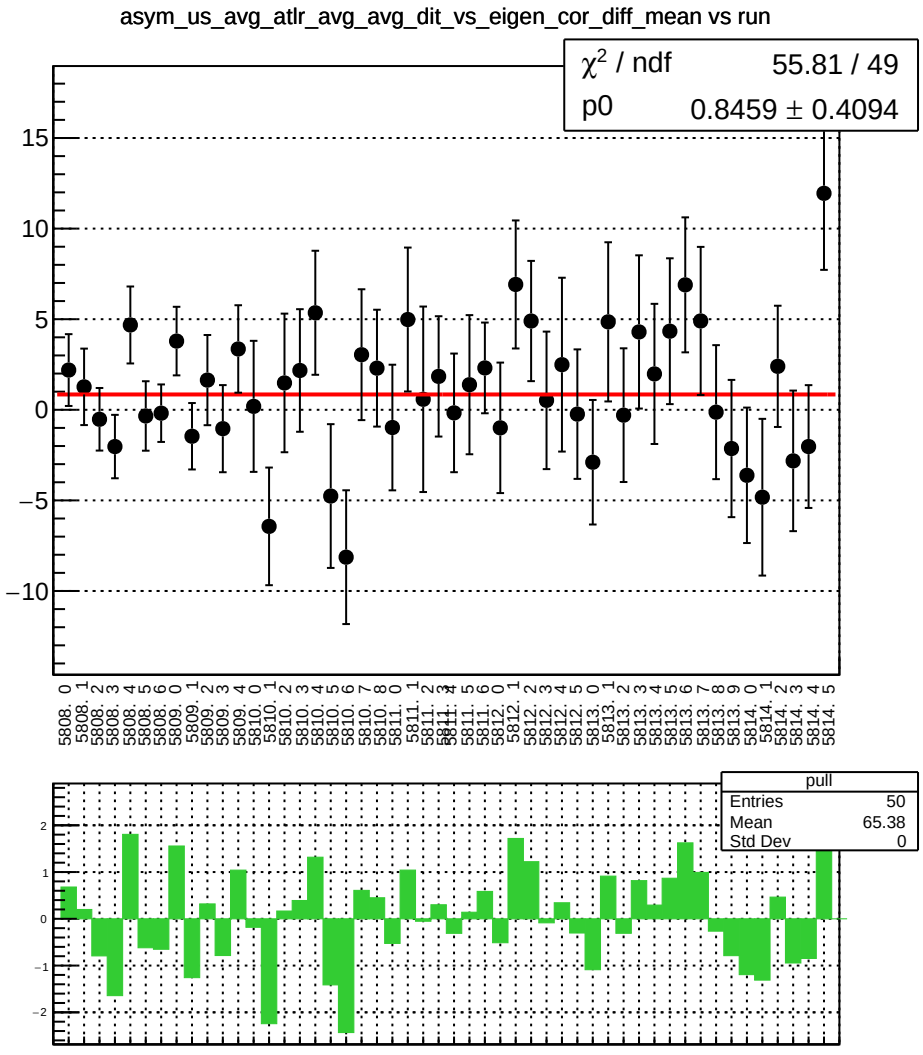

pull1D
Entries 50
Mean 0.06142
Std Dev 1.074

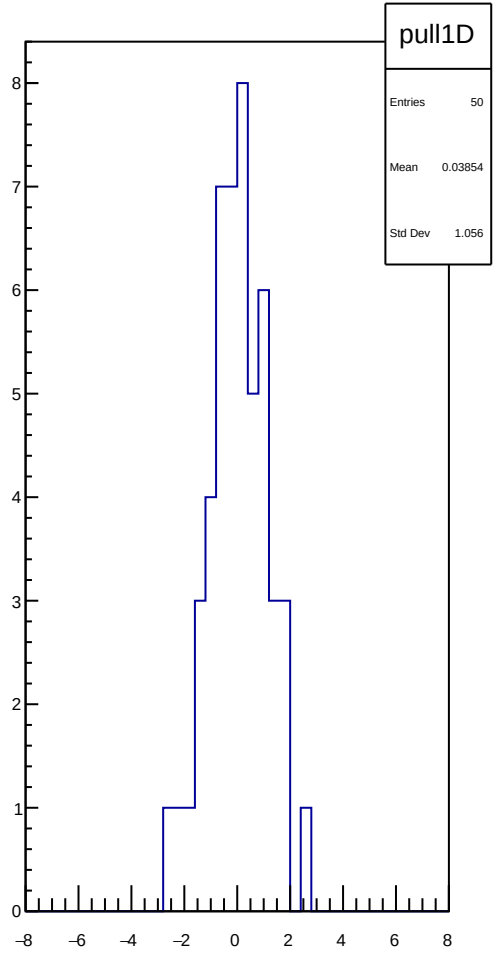

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.316e+05 / 49
p0 3.019e−10 ± 4.656e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

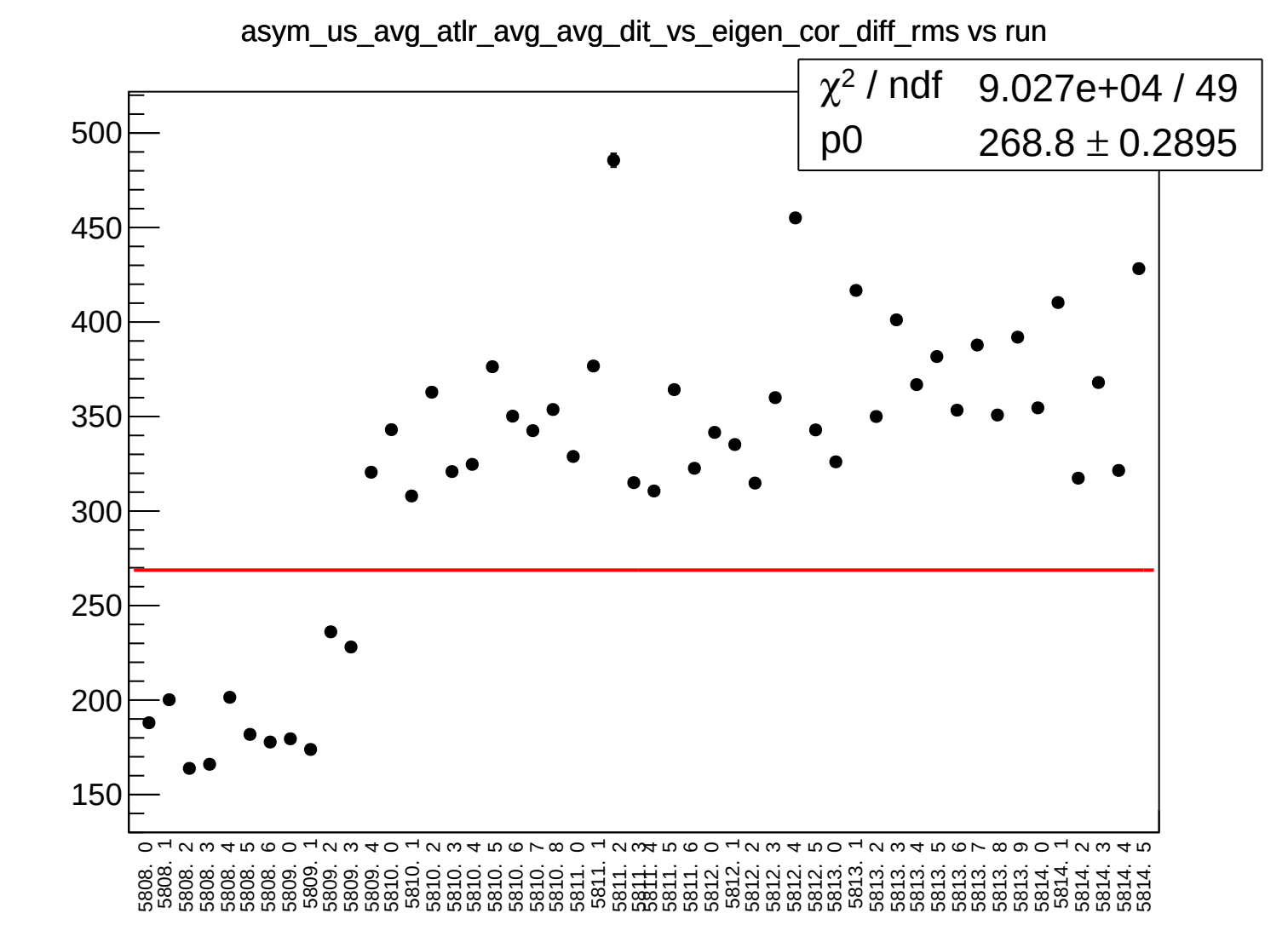

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 55.81 / 49
p0 0.8459 ± 0.4094
pull
Entries 50
Mean 65.38
Std Dev 0

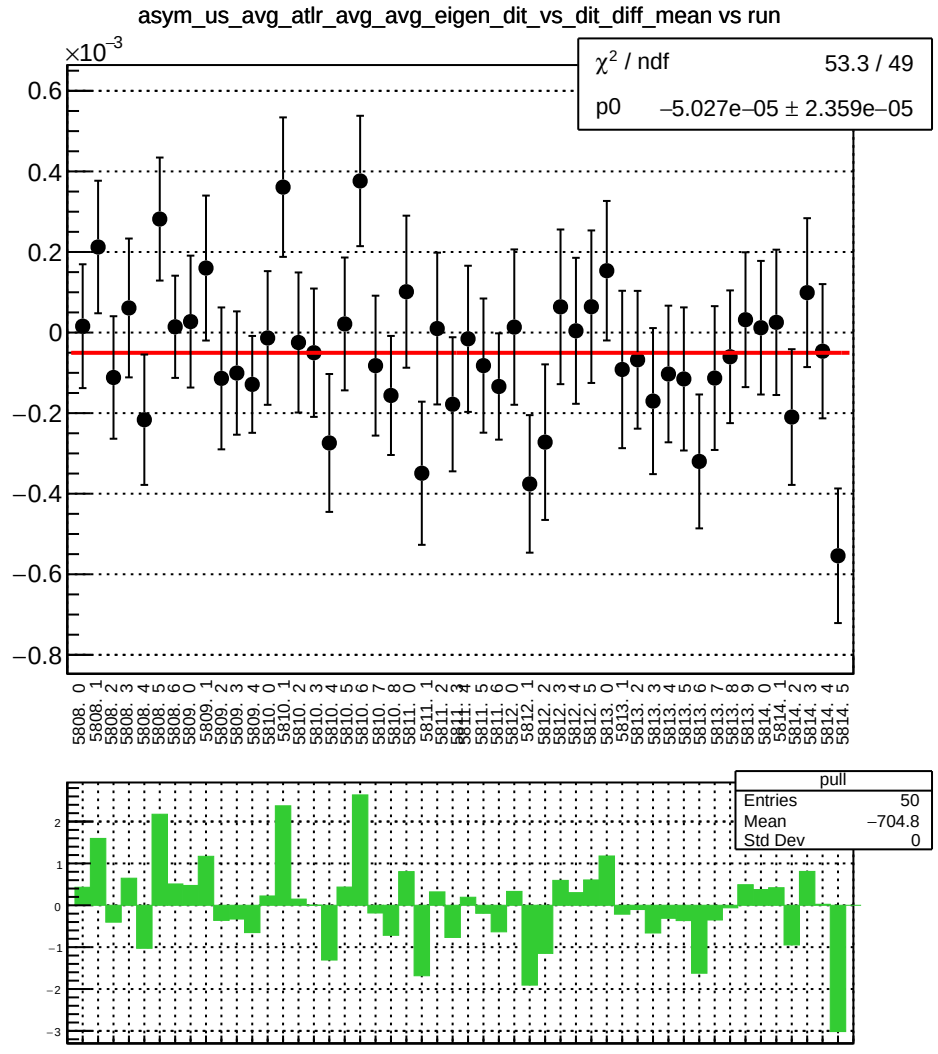

pull1D
Entries 50
Mean 0.03854
Std Dev 1.056

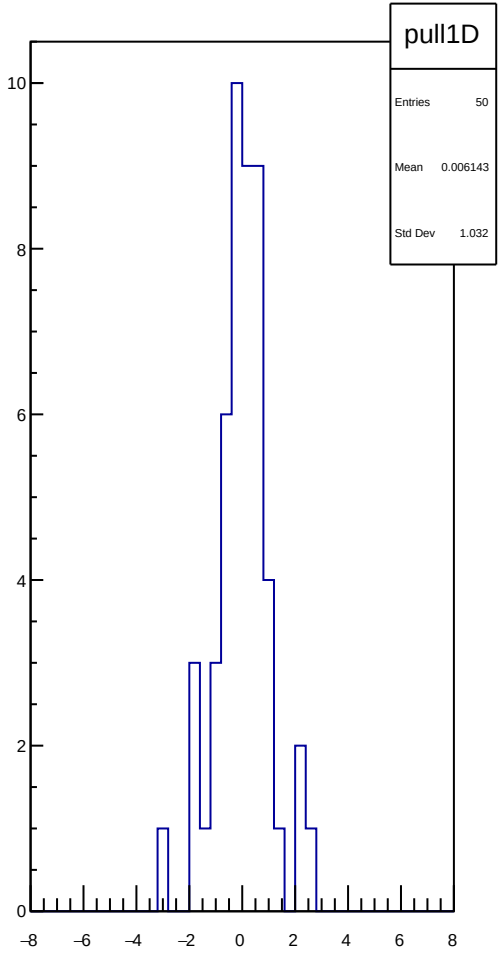

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.027e+04 / 49
p0 268.8 ± 0.2895
500
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

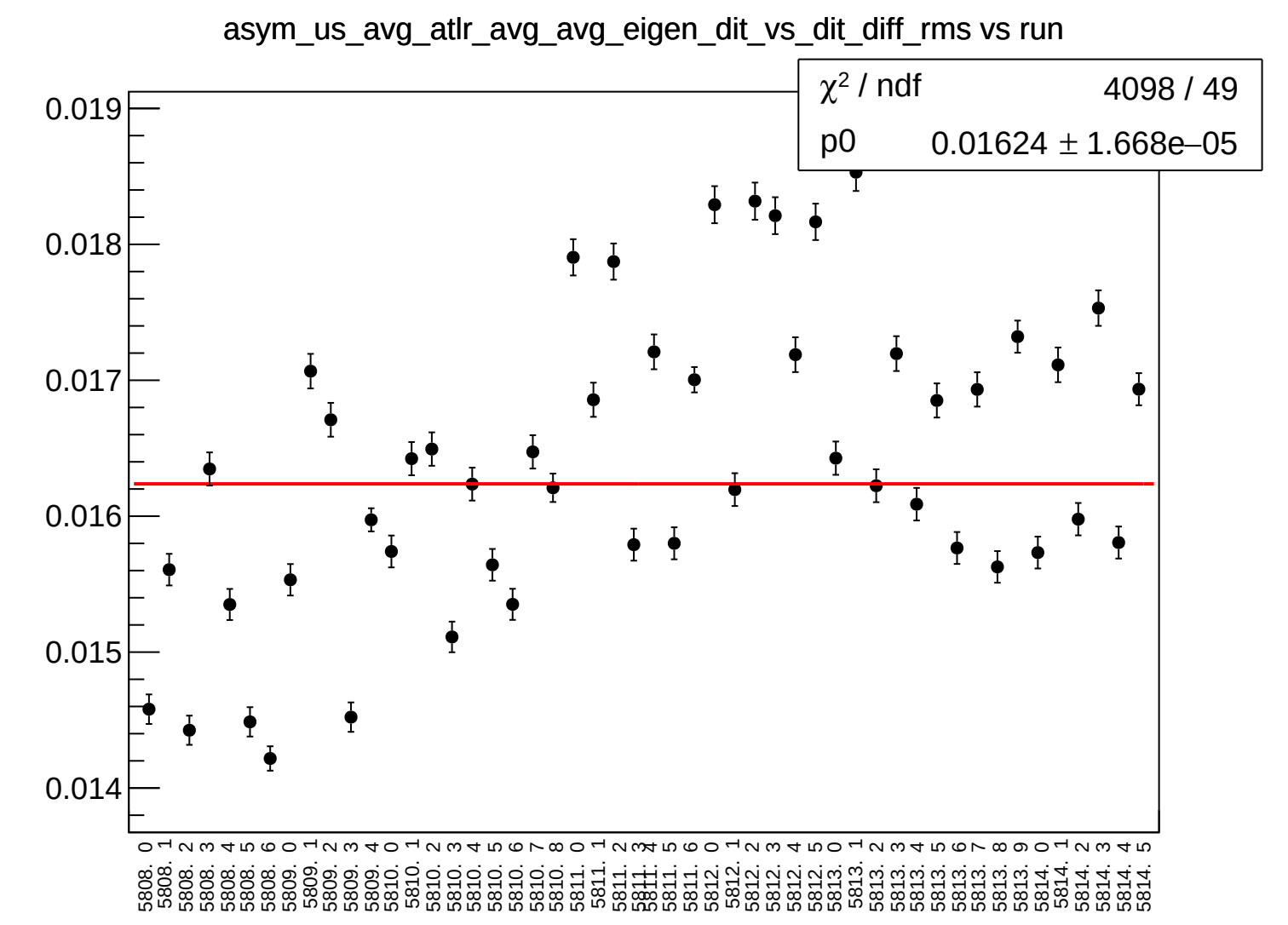

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.81 / 49
p0 0.8459 ± 0.4094
pull
Entries 50
Mean 65.38
Std Dev 0

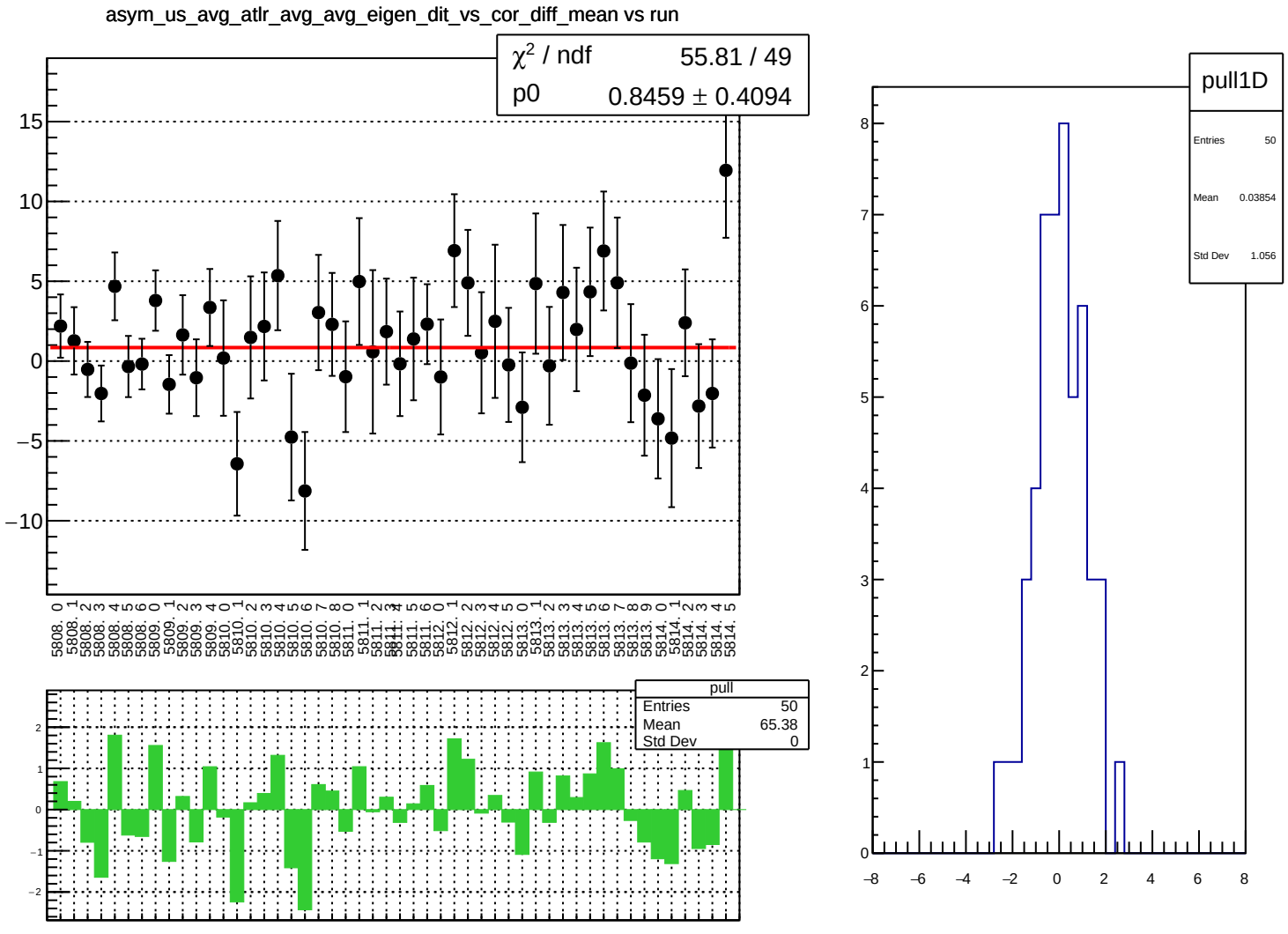

pull1D
Entries 50
Mean 0.03854
Std Dev 1.056

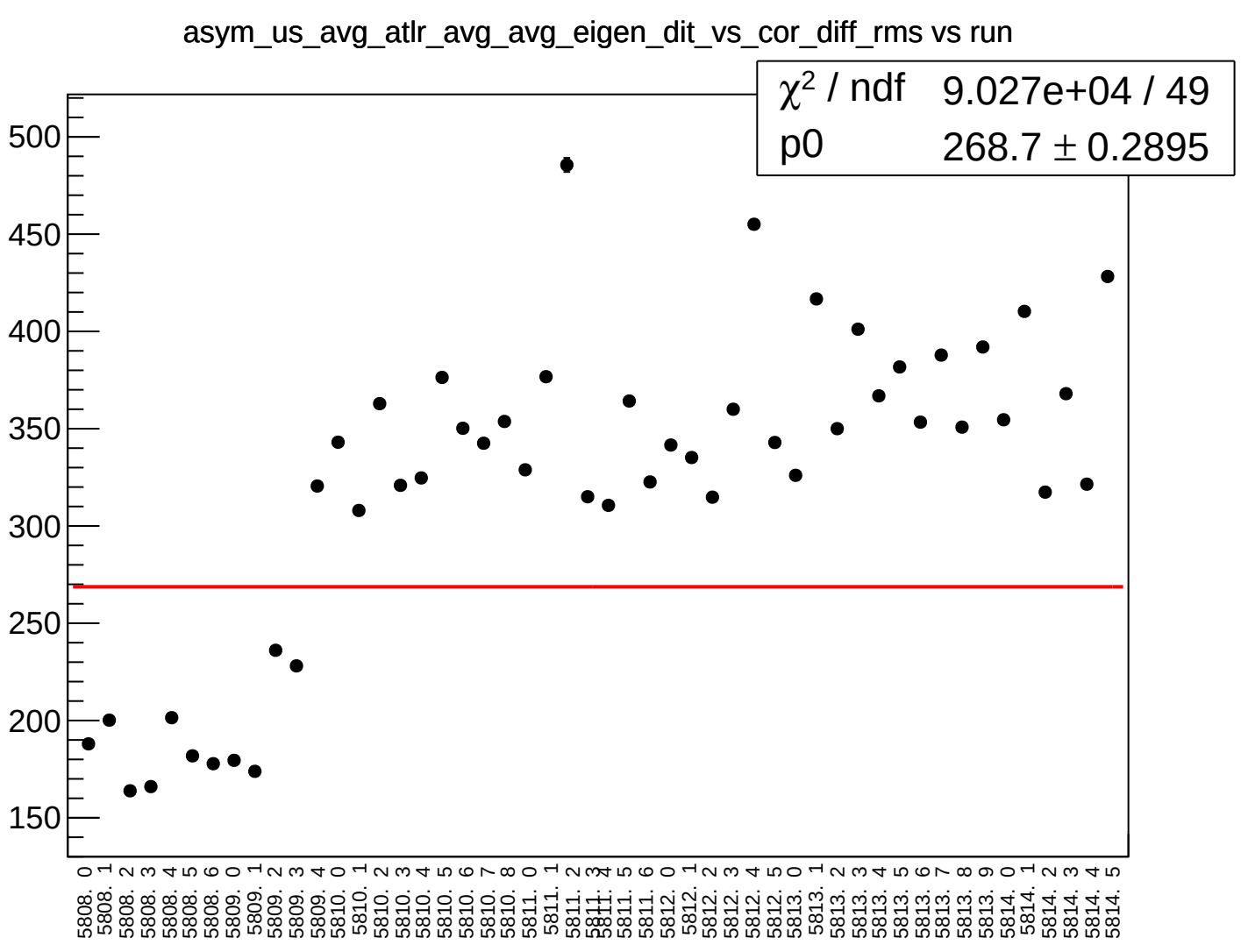

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.027e+04 / 49
p0 268.8 ± 0.2895
500
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

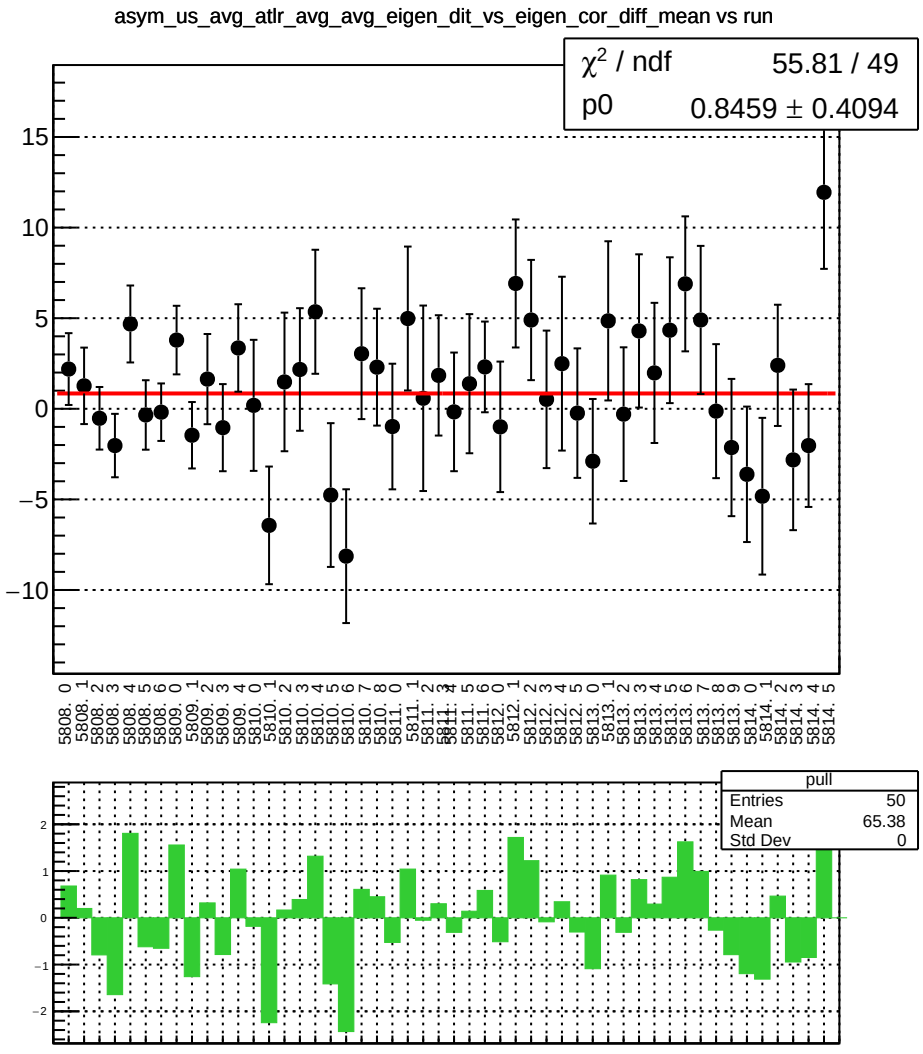

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.3 / 49
p0 −5.027e−05 ± 2.359e−05
pull
Entries 50
Mean −704.8
Std Dev 0

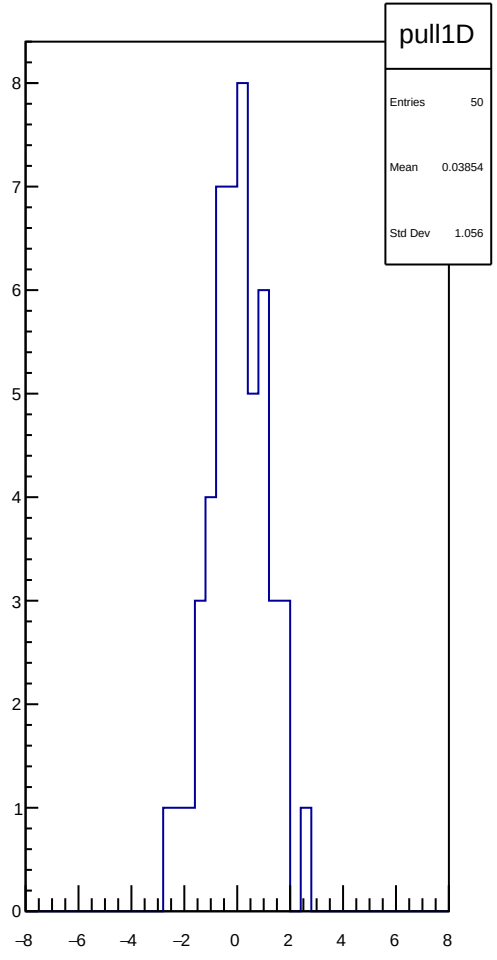

pull1D
Entries 50
Mean 0.006143
Std Dev 1.032

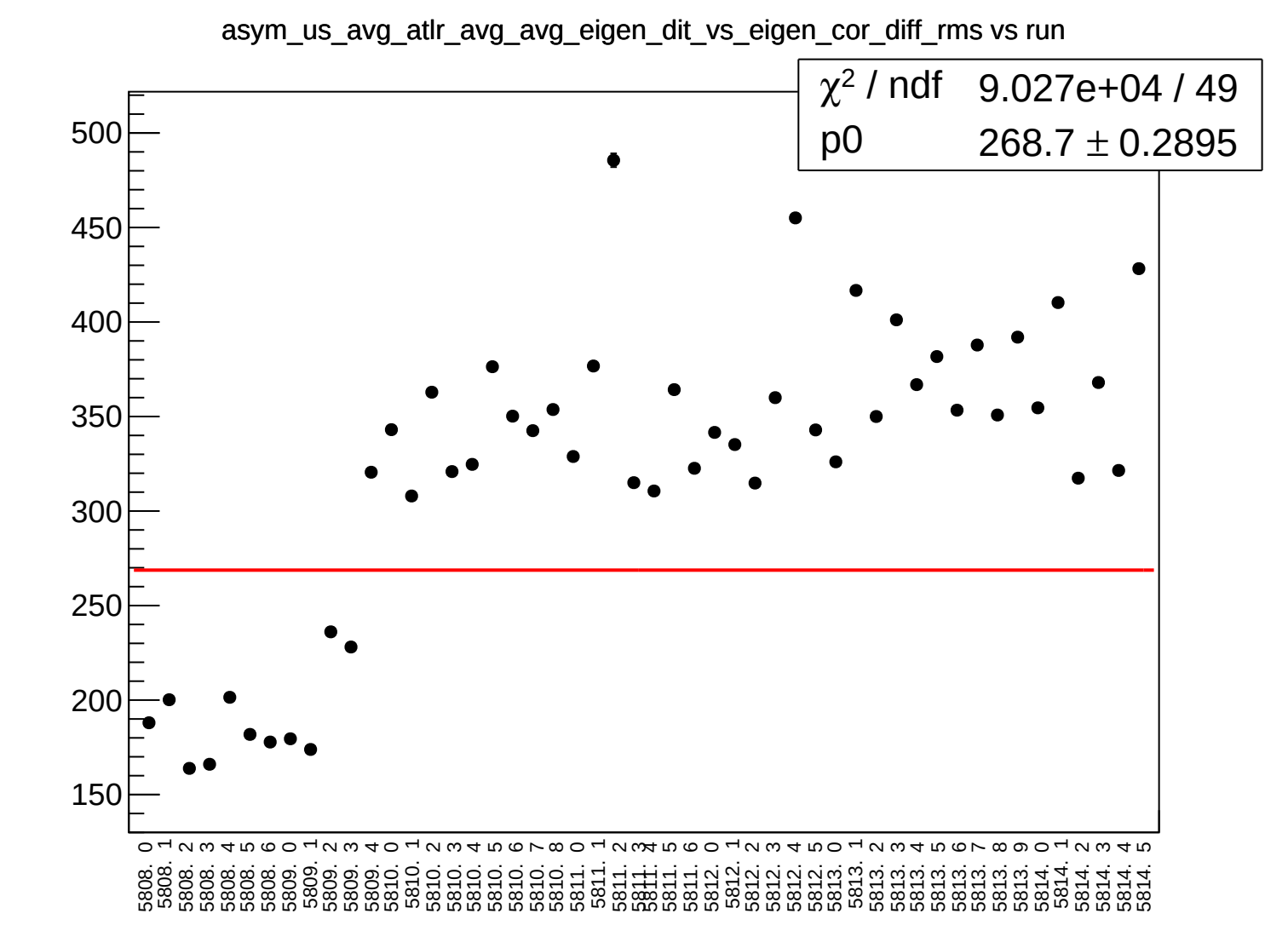

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4098 / 49
p0 0.01624 ± 1.668e–05
0.019
0.018
0.017
0.016
0.015
0.014
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

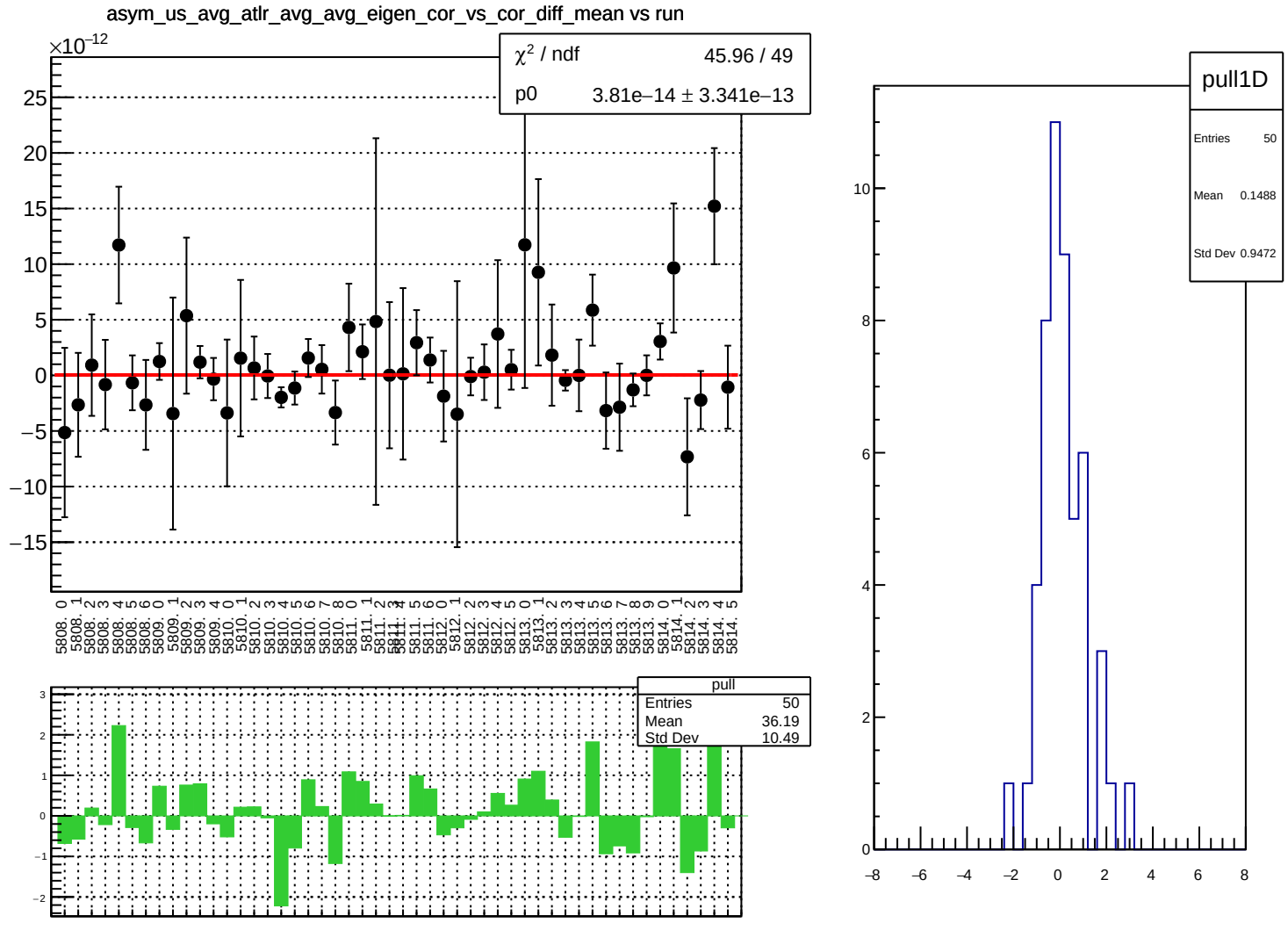

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.81 / 49
p0 0.8459 ± 0.4094
15
10
5
0
−5
−10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 65.38
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.03854
Std Dev 1.056
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

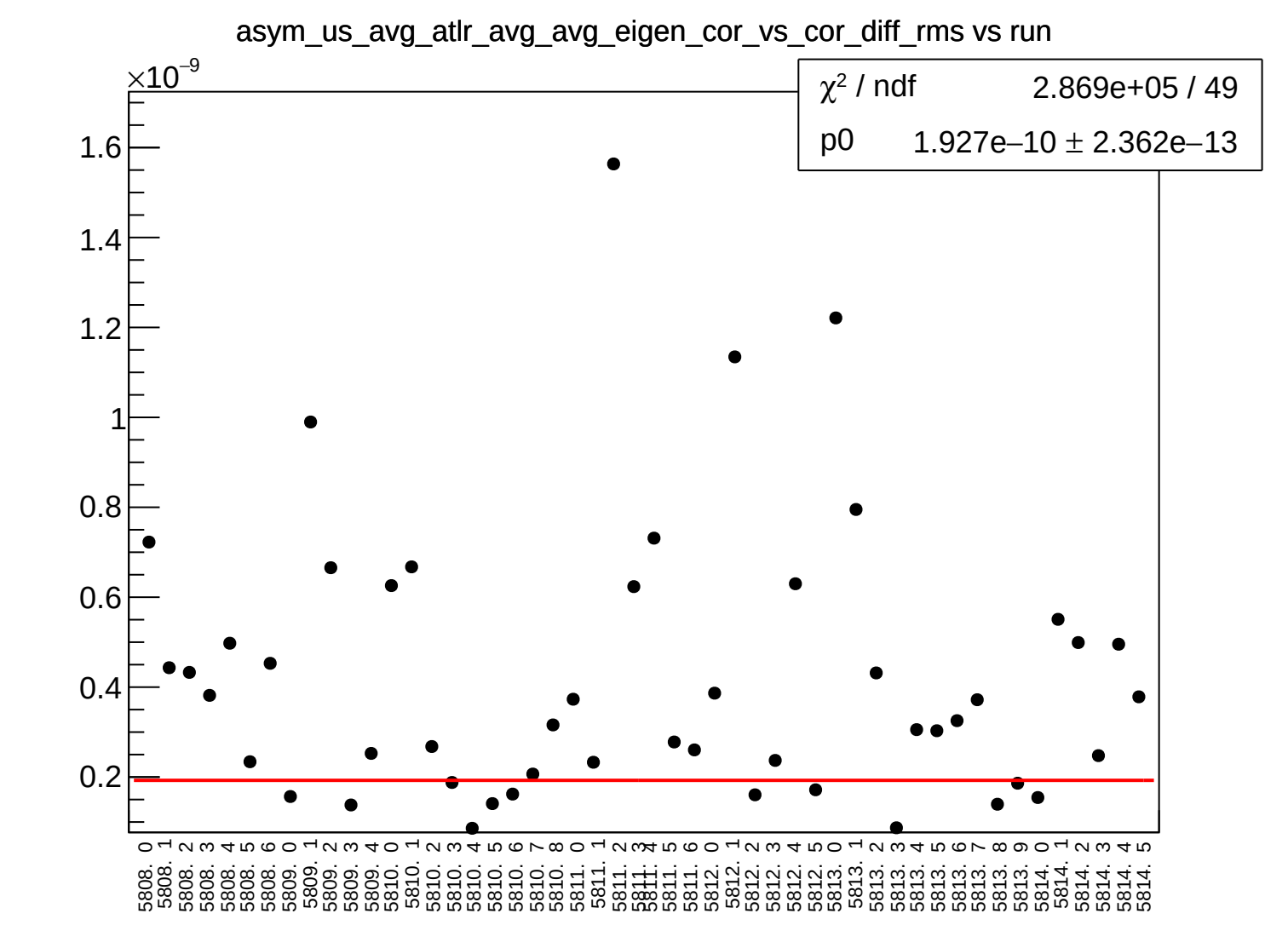

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.027e+04 / 49
p0 268.7 ± 0.2895
500
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

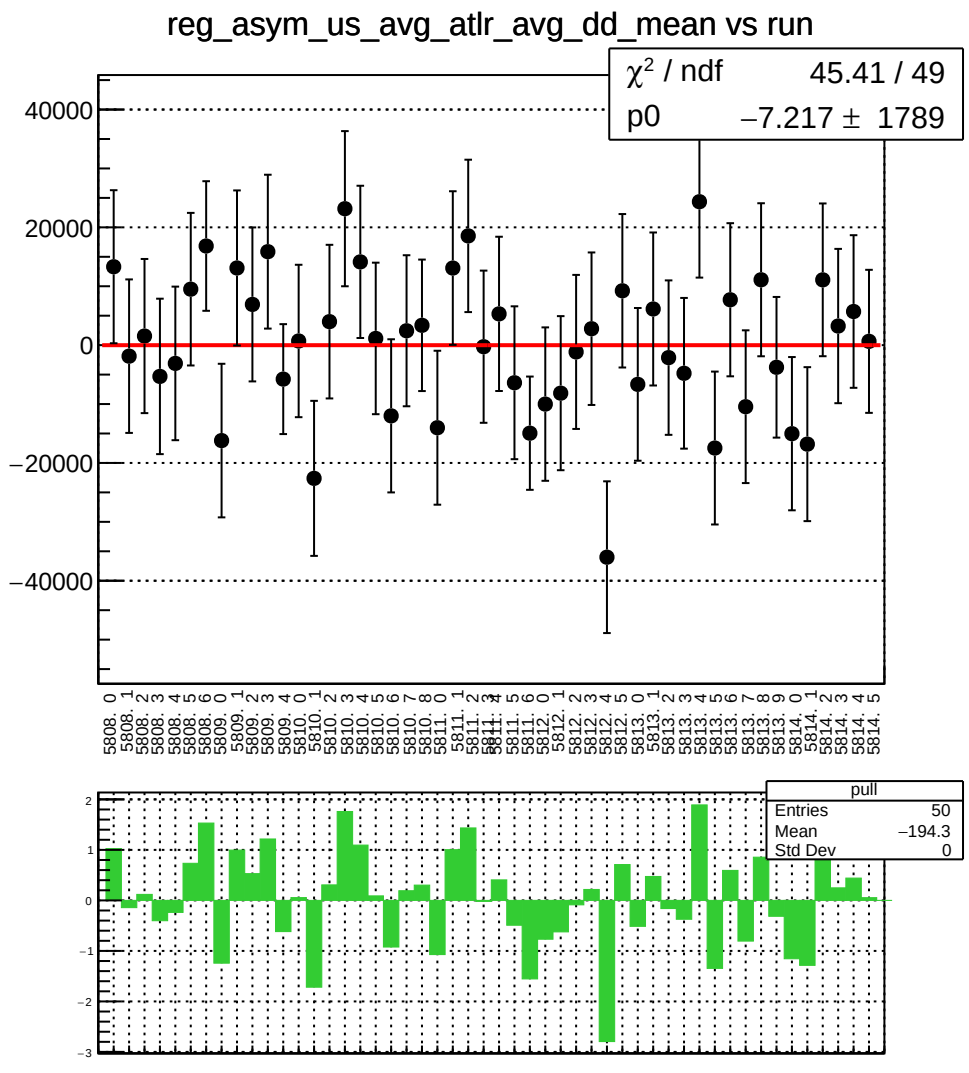

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.81 / 49
p0 0.8459 ± 0.4094
pull
Entries 50
Mean 65.38
Std Dev 0

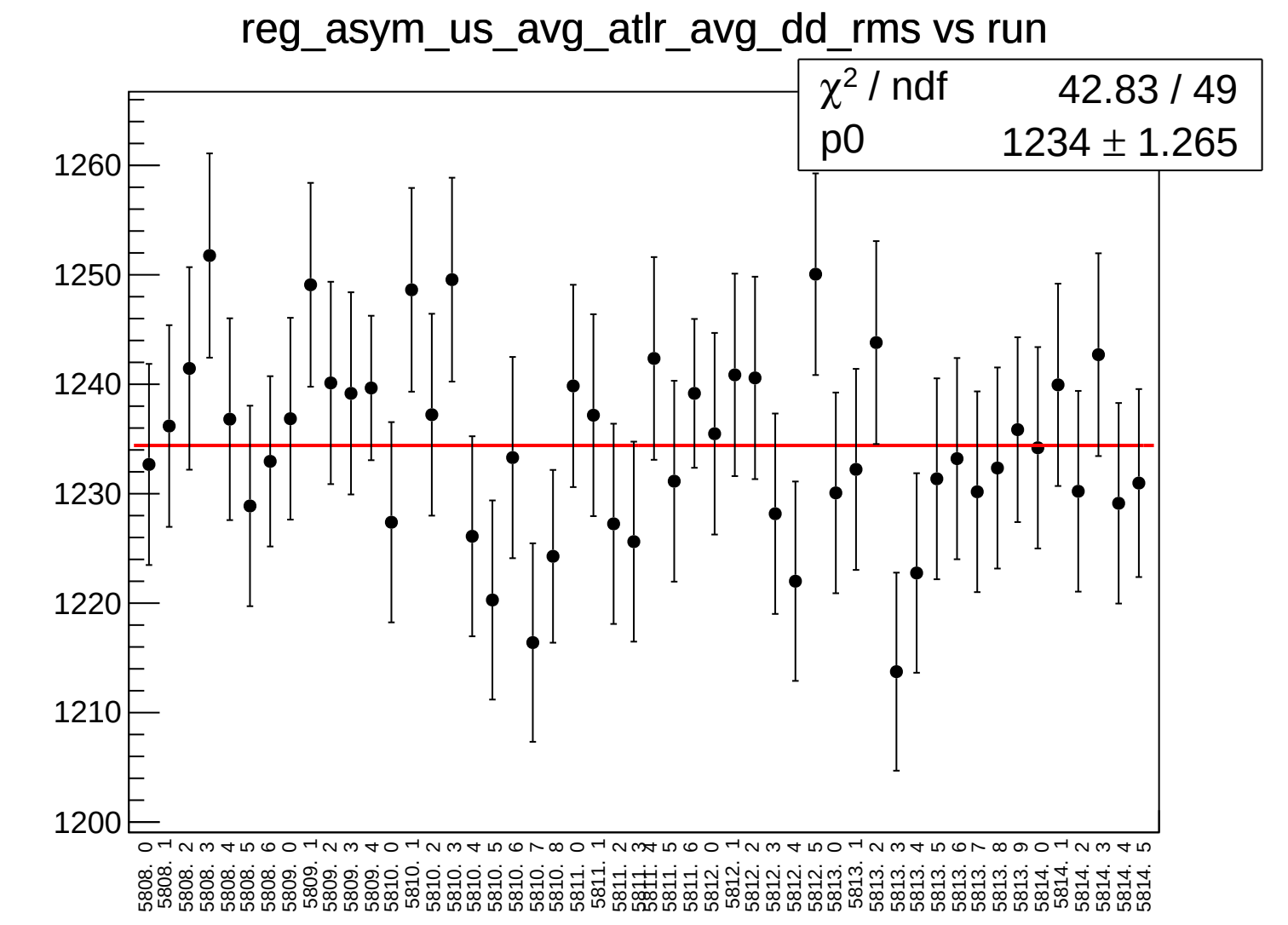

pull1D
Entries 50
Mean 0.03854
Std Dev 1.056

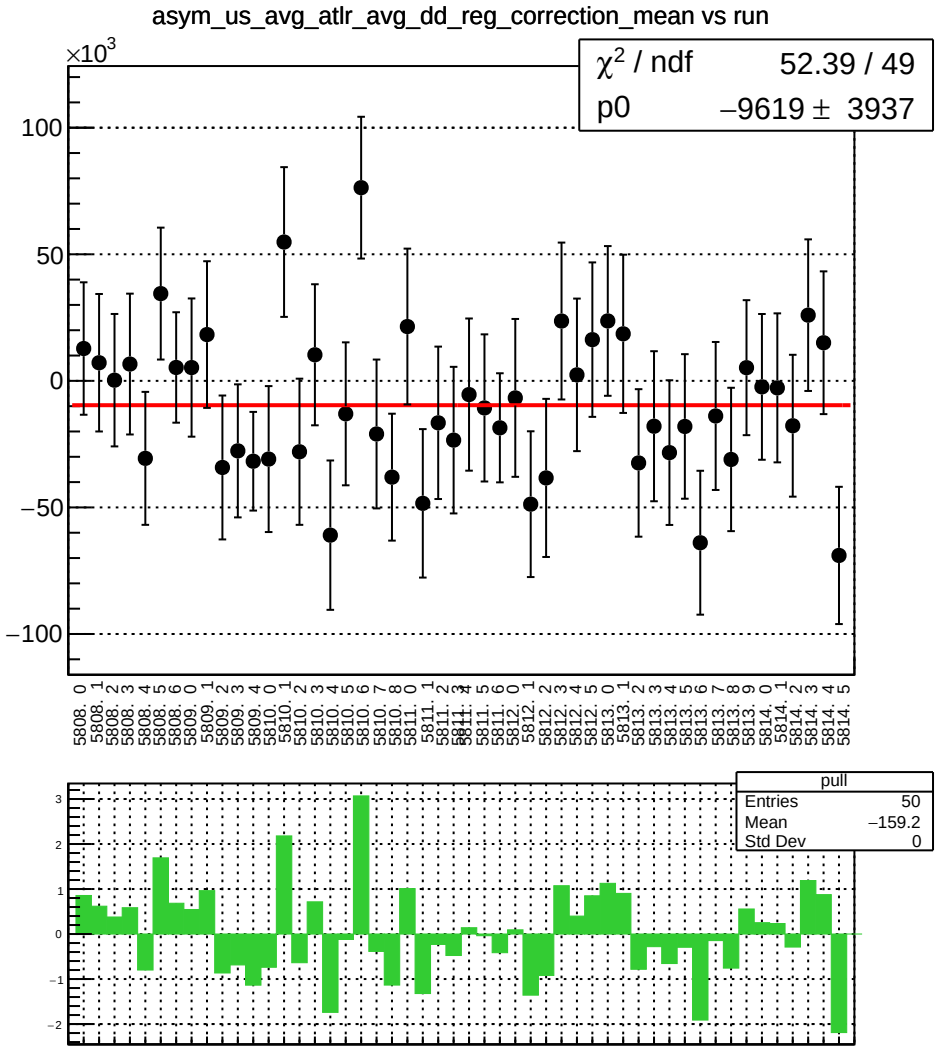

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.027e+04 / 49
p0 268.7 ± 0.2895
500
450
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

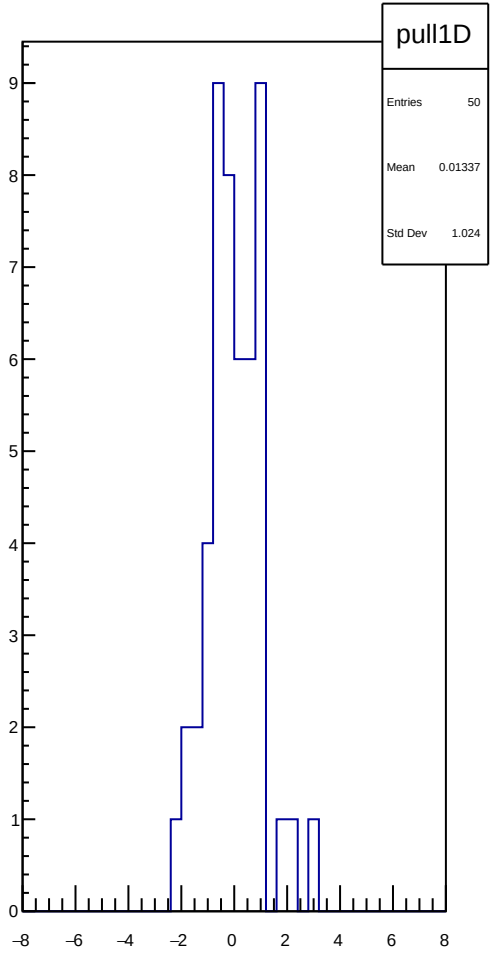

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.96 / 49
p0 3.81e−14 ± 3.341e−13
pull
Entries 50
Mean 36.19
Std Dev 10.49
pull1D
Entries 50
Mean 0.1488
Std Dev 0.9472

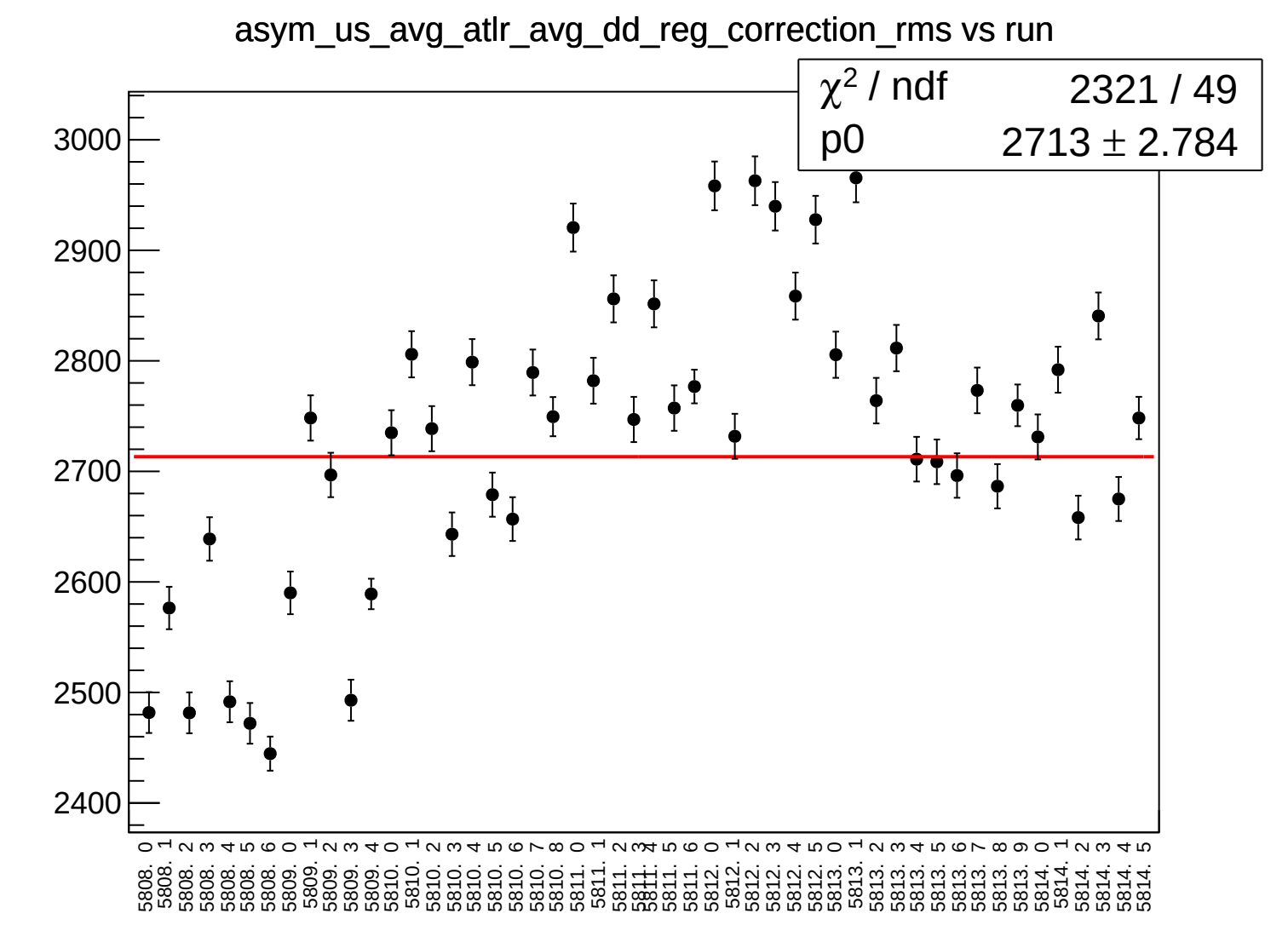

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.869e+05 / 49
p0 1.927e−10 ± 2.362e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

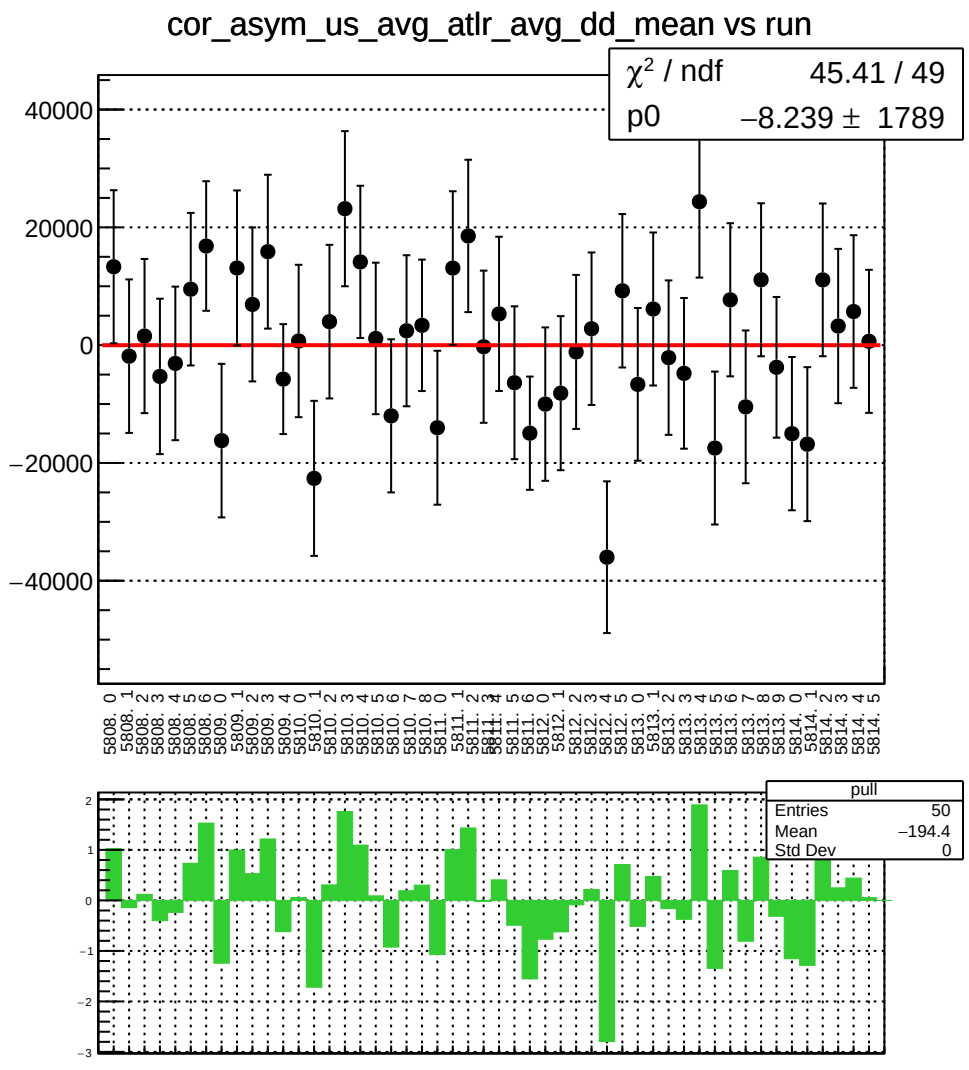

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.41 / 49
p0 −7.217 ± 1789
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −194.3
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.0097
Std Dev 0.9529
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

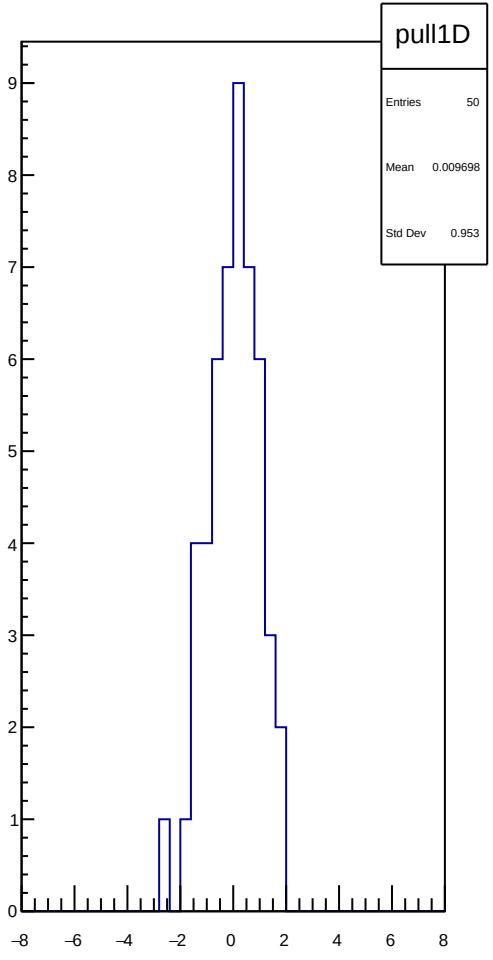

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 42.83 / 49
p0 1234 ± 1.265
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

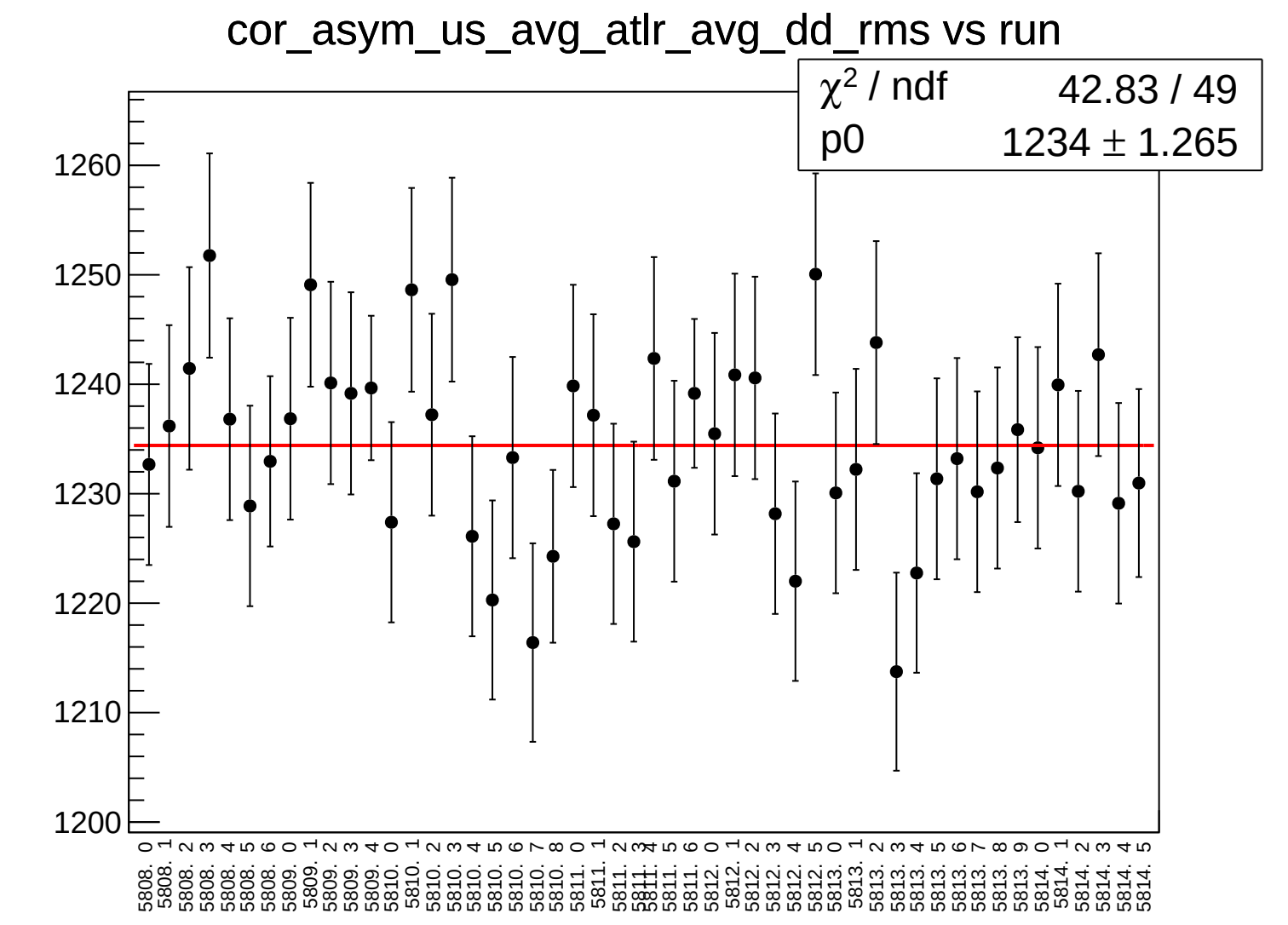

asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 52.39 / 49
p0 −9619 ± 3937
100
50
0
−50
−100
pull
Entries 50
Mean −159.2
Std Dev 0
3
2
1
0
−1
−2

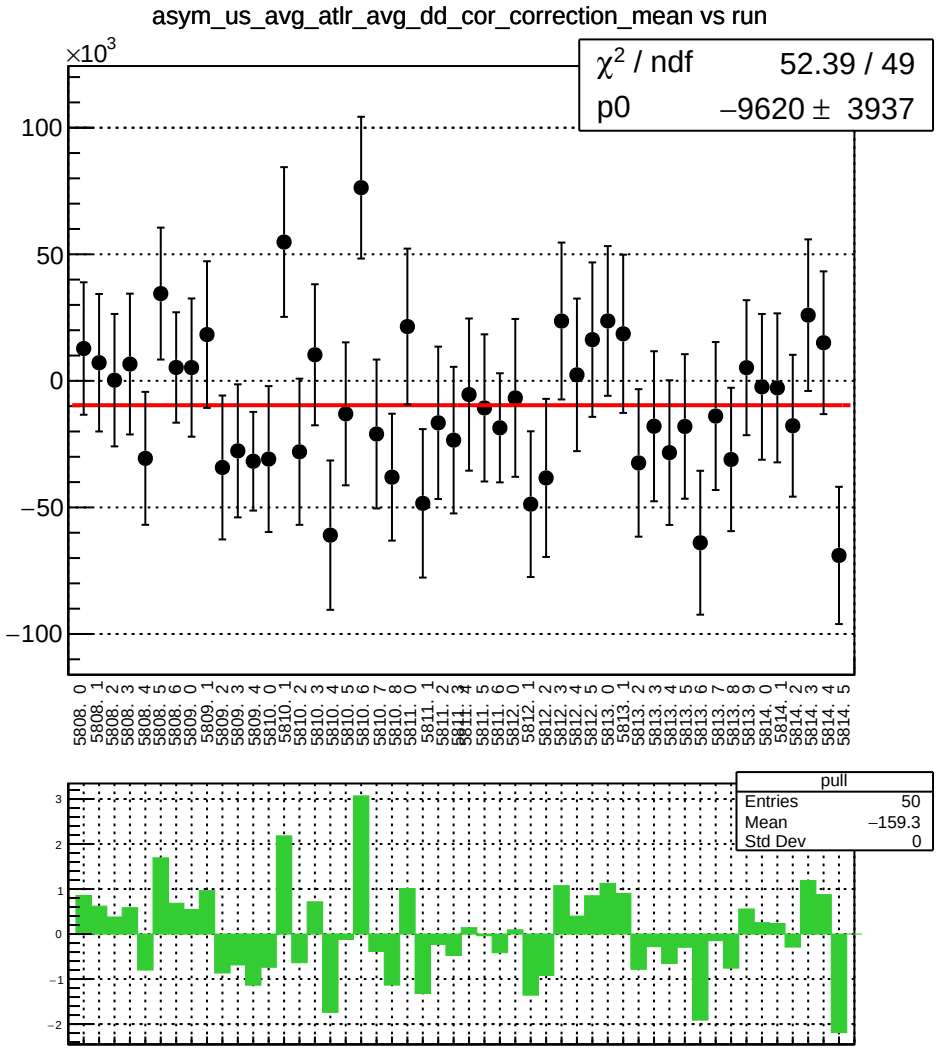

pull1D
Entries 50
Mean 0.01337
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

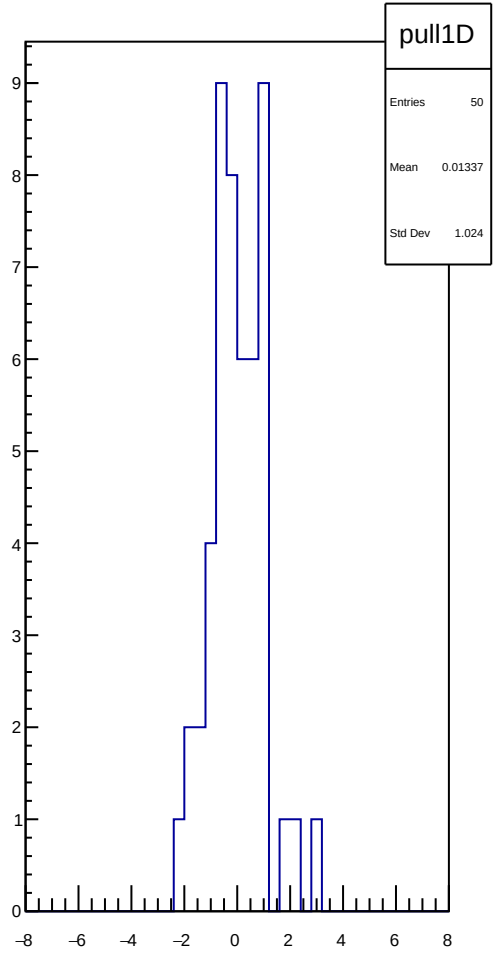

asym_us_avg_atlr_avg_dd_reg_correction_rms vs run
χ² / ndf 2321 / 49
p0 2713 ± 2.784
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

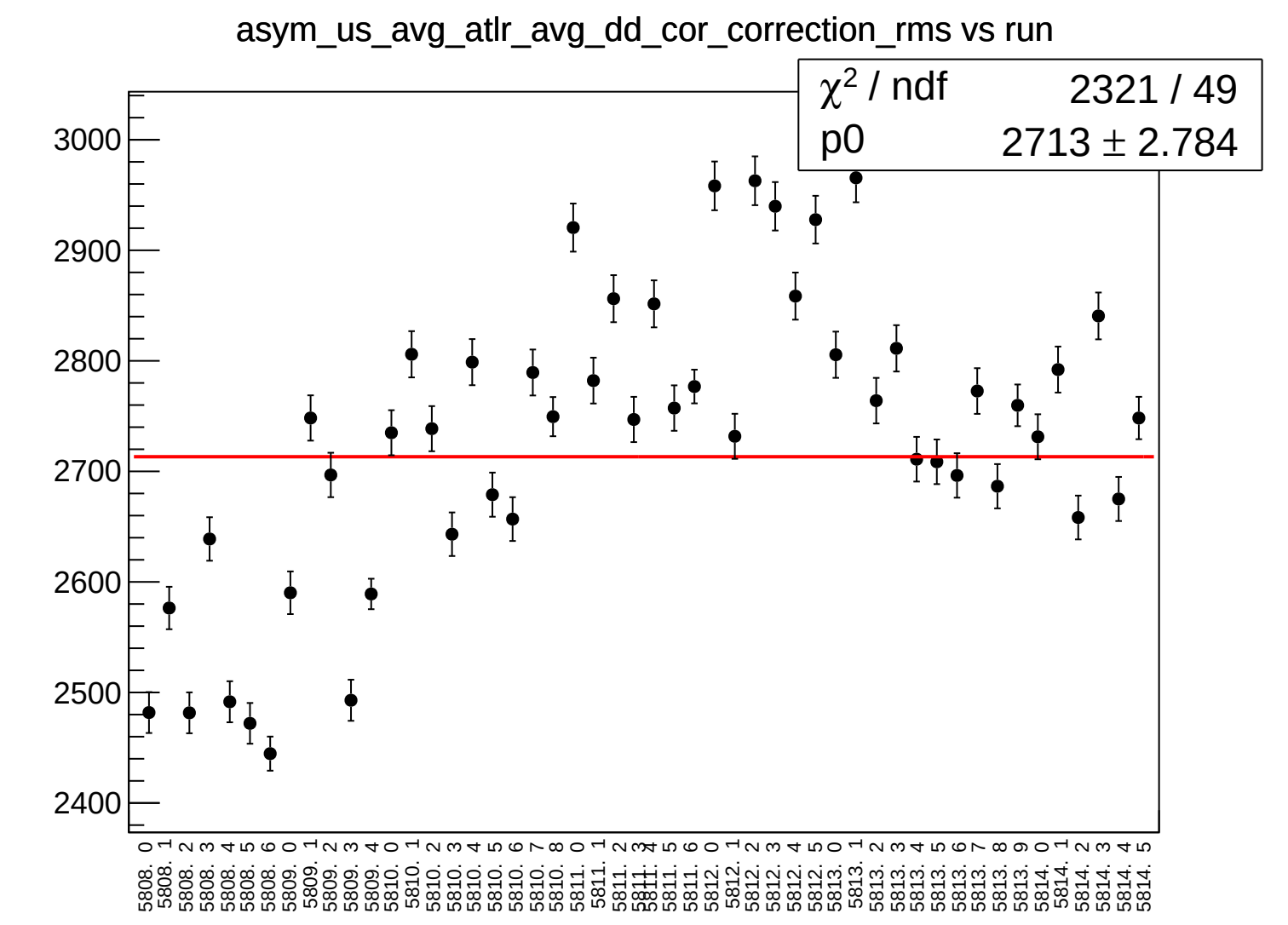

cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.41 / 49
p0 −8.239 ± 1789
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −194.4
Std Dev 0
2
1
0
−1
−2
−3

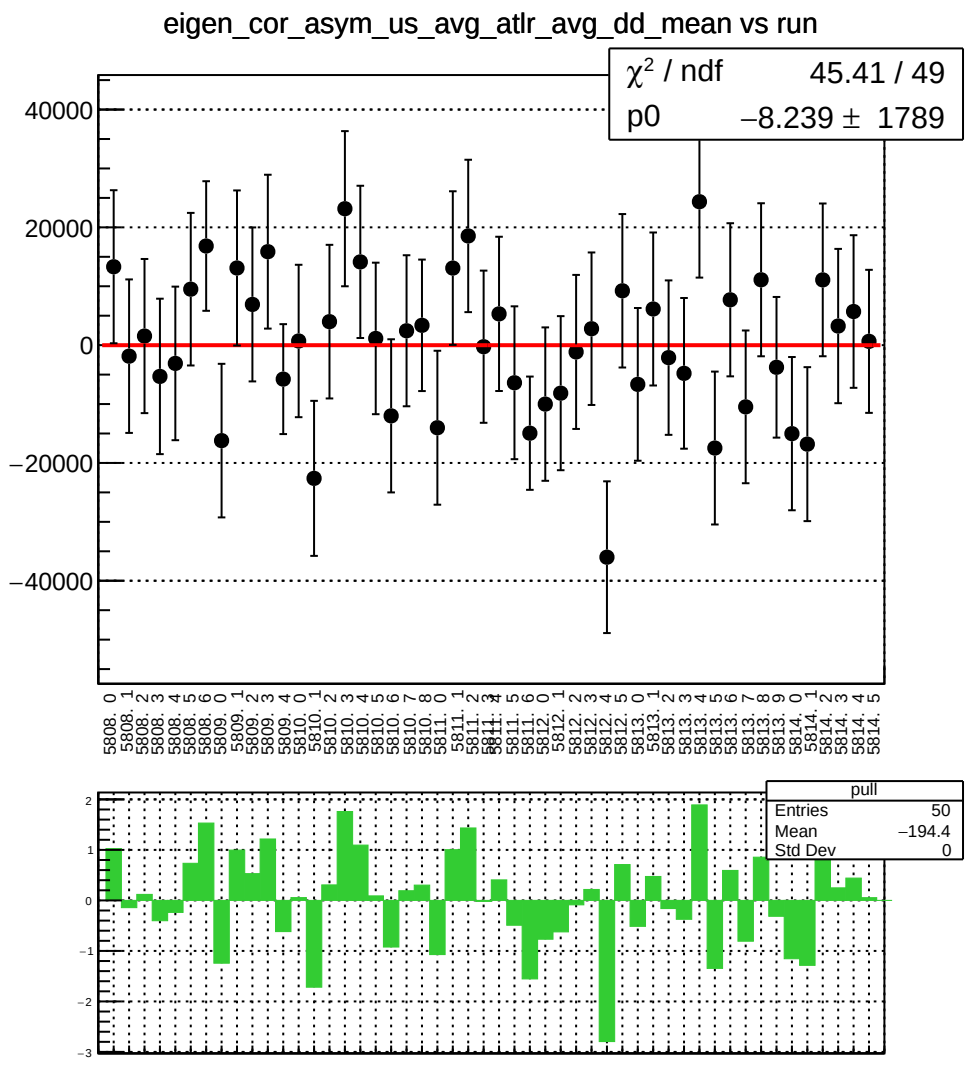

pull1D
Entries 50
Mean 0.009698
Std Dev 0.953
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

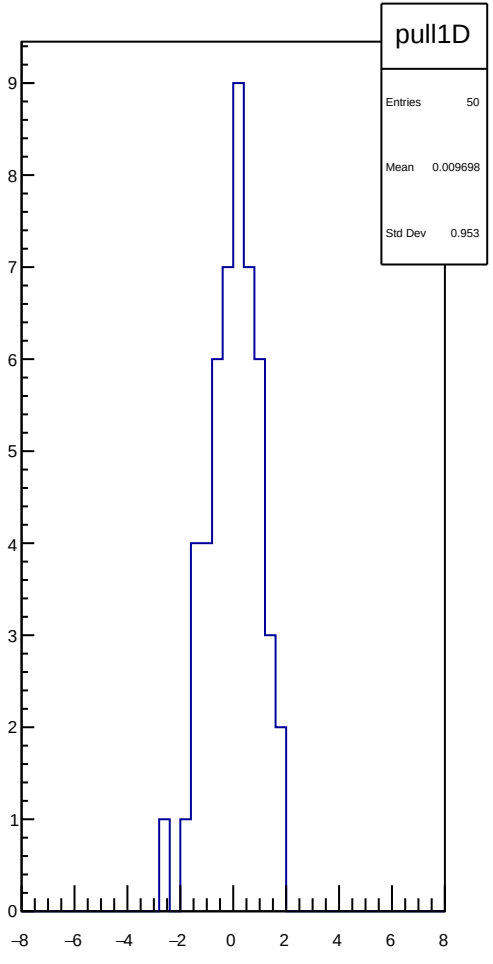

cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 42.83 / 49
p0 1234 ± 1.265
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

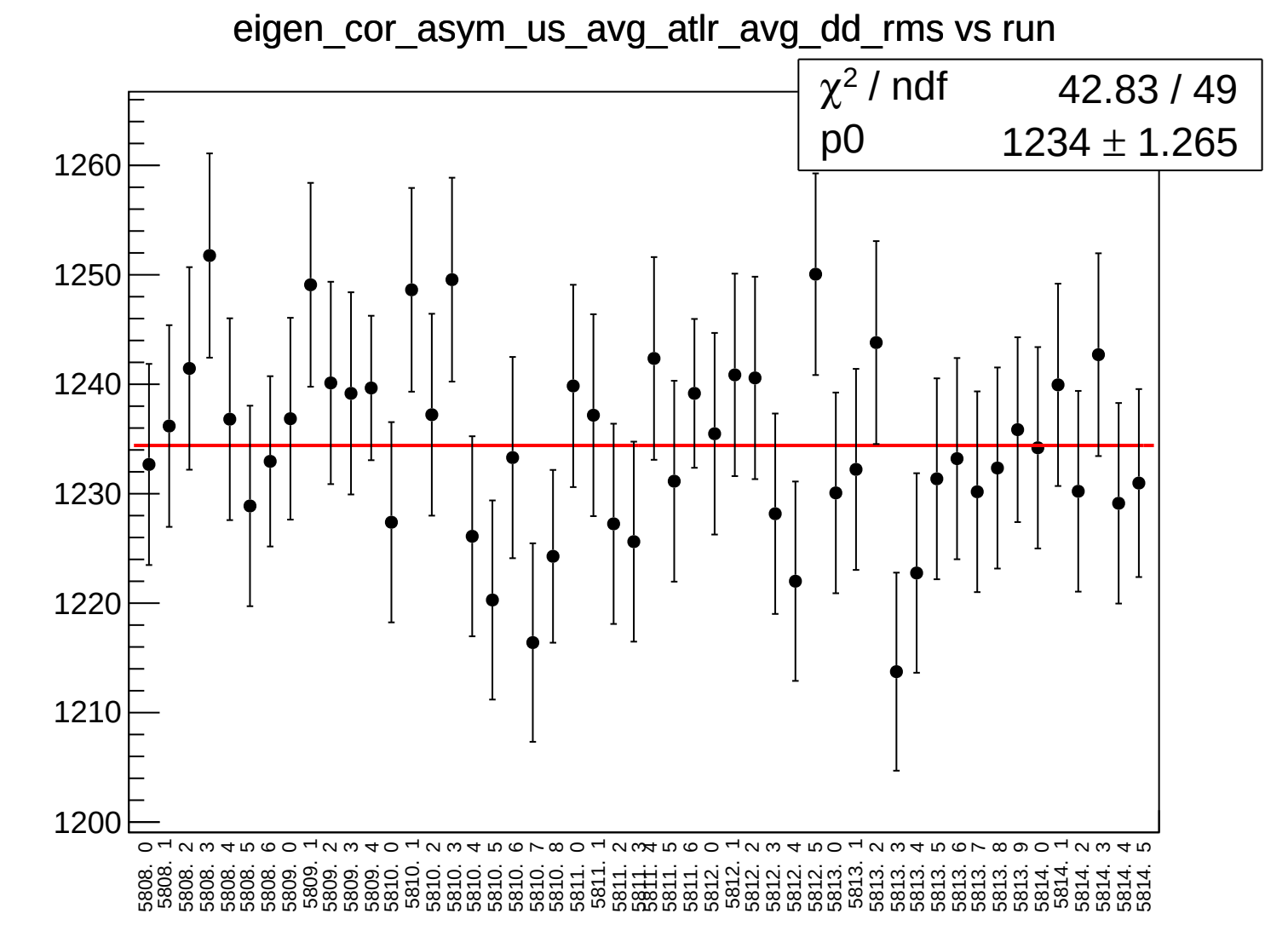

asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 52.39 / 49
p0 −9620 ± 3937
100
50
0
−50
−100
pull
Entries 50
Mean −159.3
Std Dev 0
3
2
1
0
−1
−2

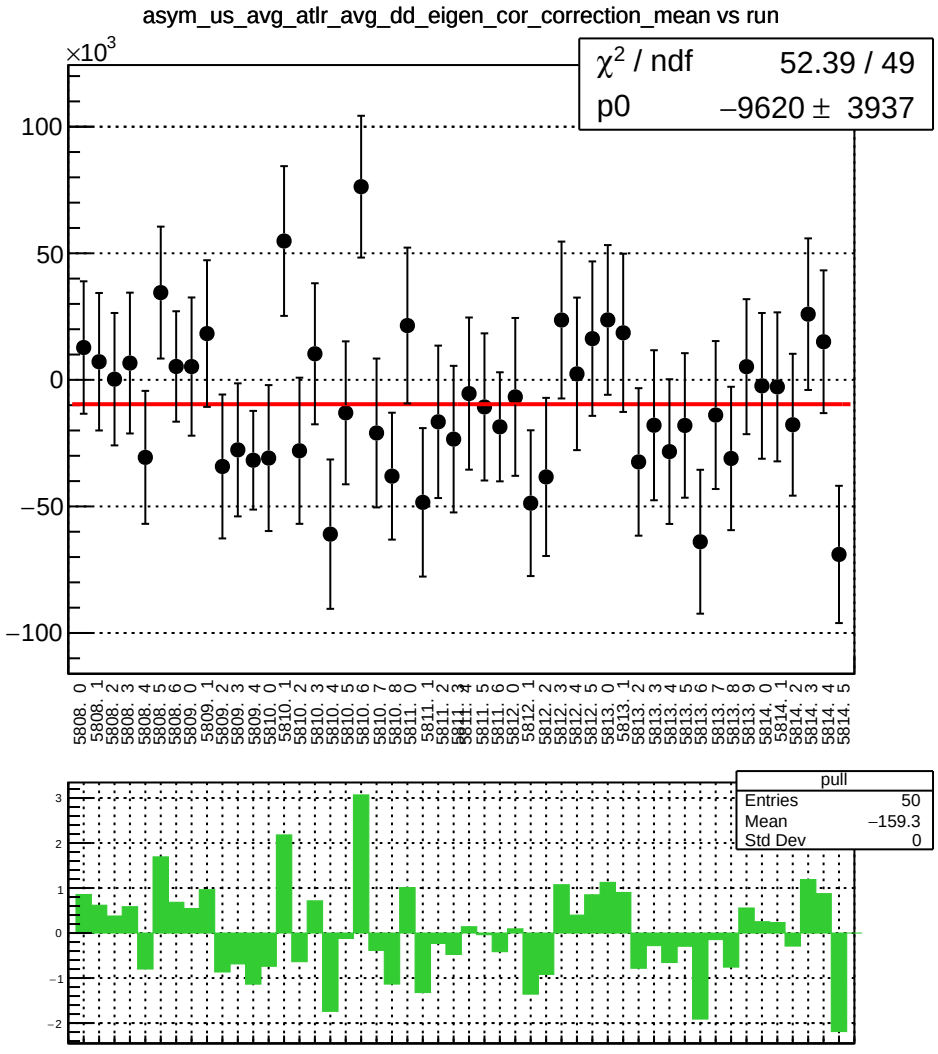

pull1D
Entries 50
Mean 0.01337
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

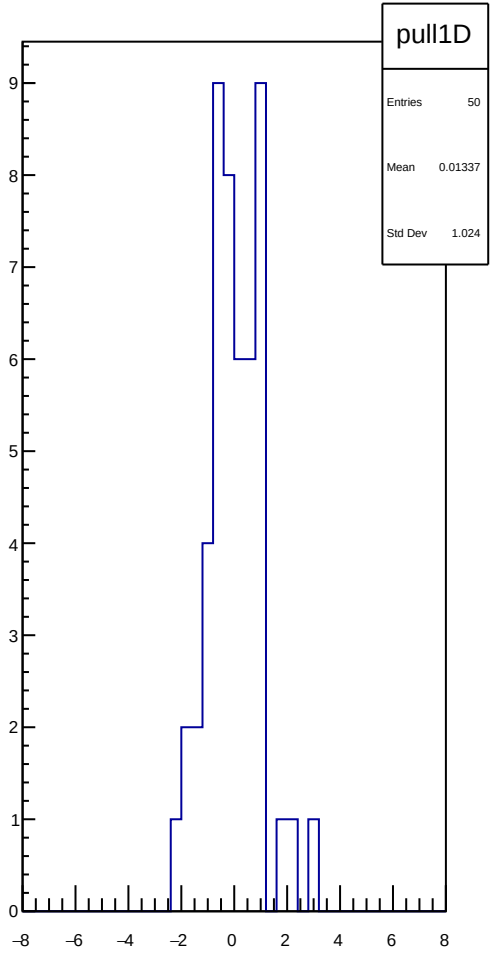

asym_us_avg_atlr_avg_dd_cor_correction_rms vs run
χ² / ndf 2321 / 49
p0 2713 ± 2.784
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

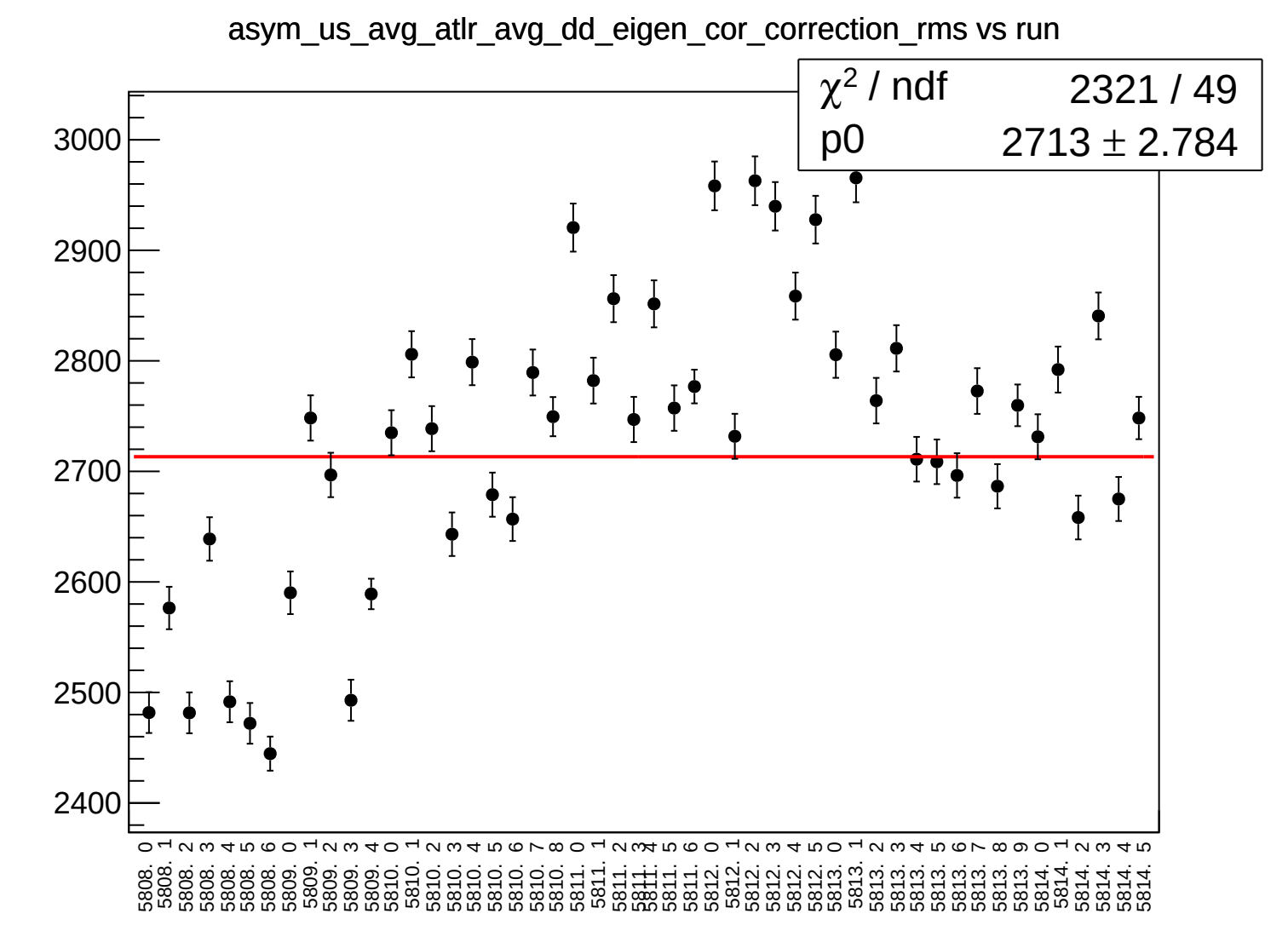

eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 45.41 / 49
p0 −8.239 ± 1789
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −194.4
Std Dev 0
2
1
0
−1
−2
−3

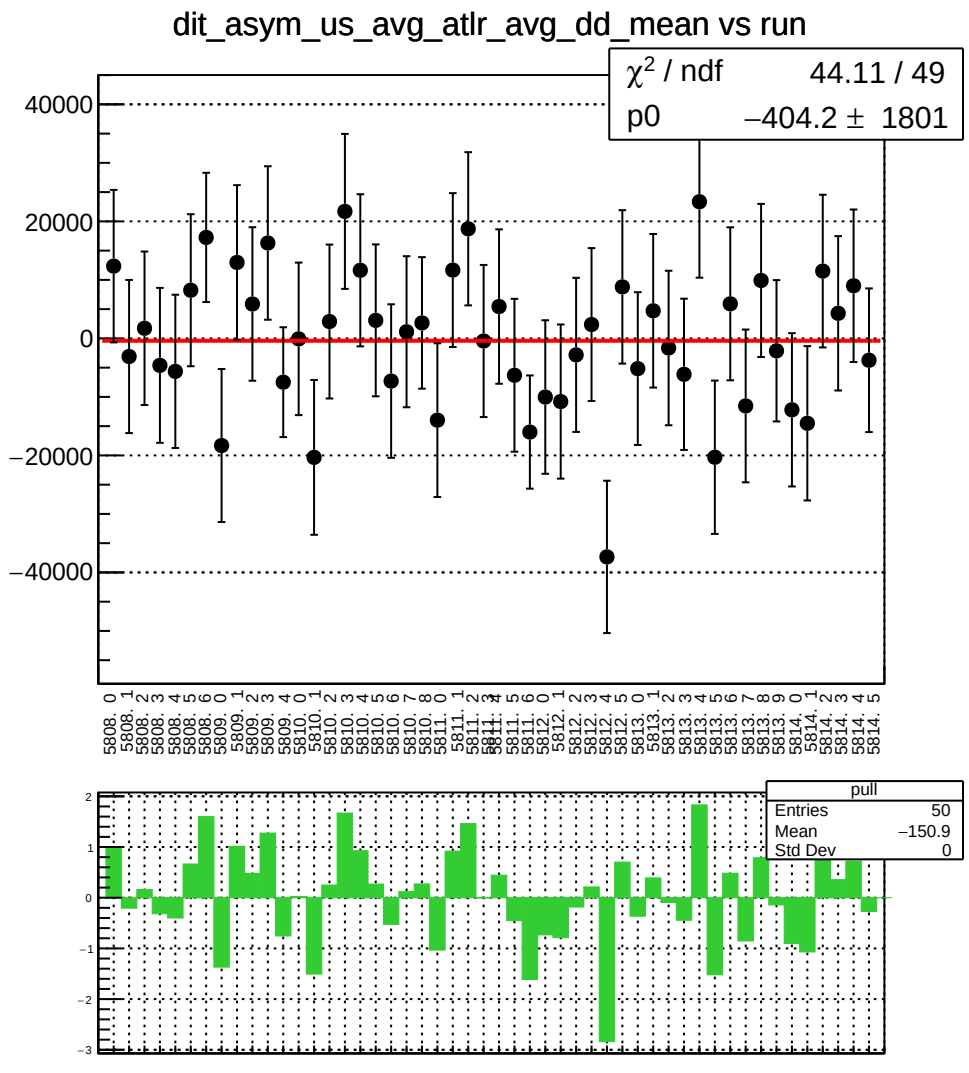

pull1D
Entries 50
Mean 0.009698
Std Dev 0.953
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

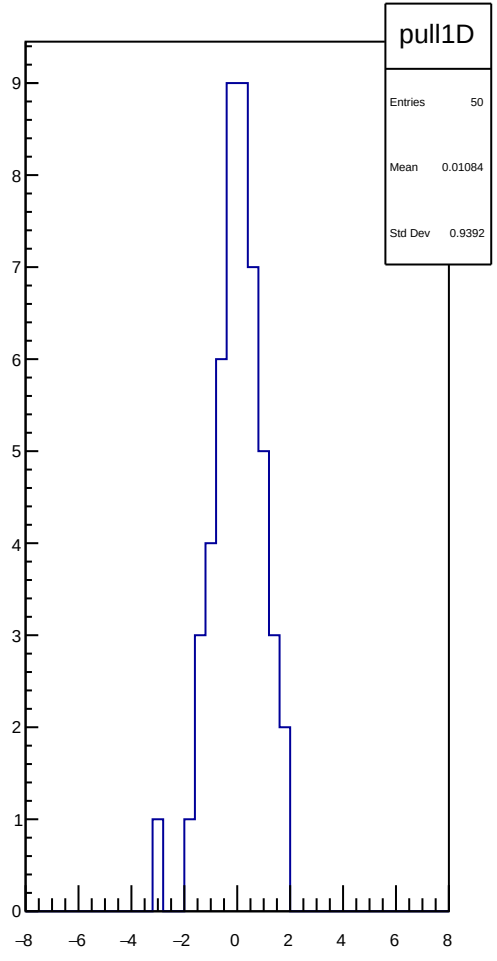

eigen_cor_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 42.83 / 49
p0 1234 ± 1.265
1260
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

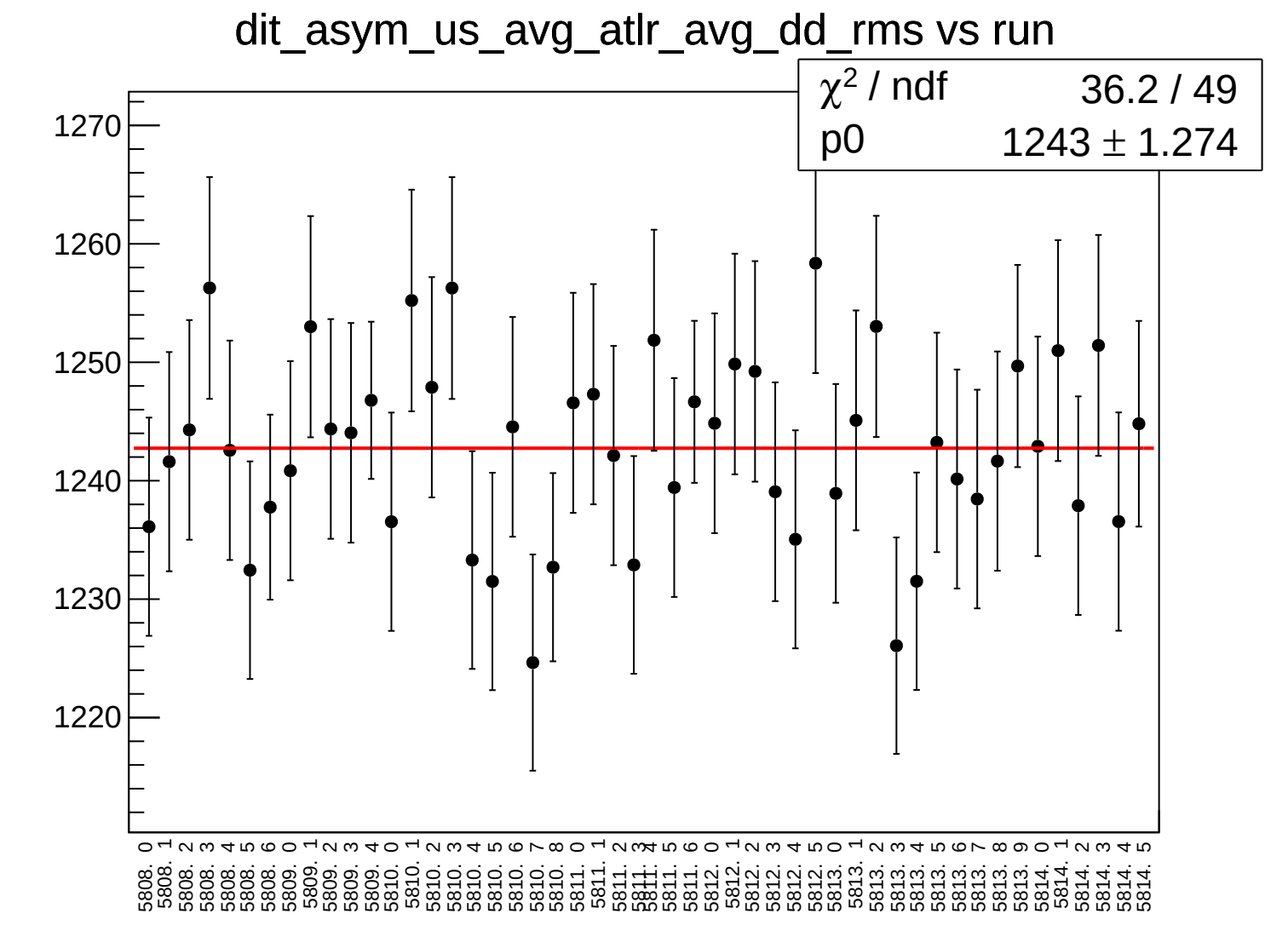

asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 52.39 / 49
p0 −9620 ± 3937
100
50
0
−50
−100
pull
Entries 50
Mean −159.3
Std Dev 0
3
2
1
0
−1
−2

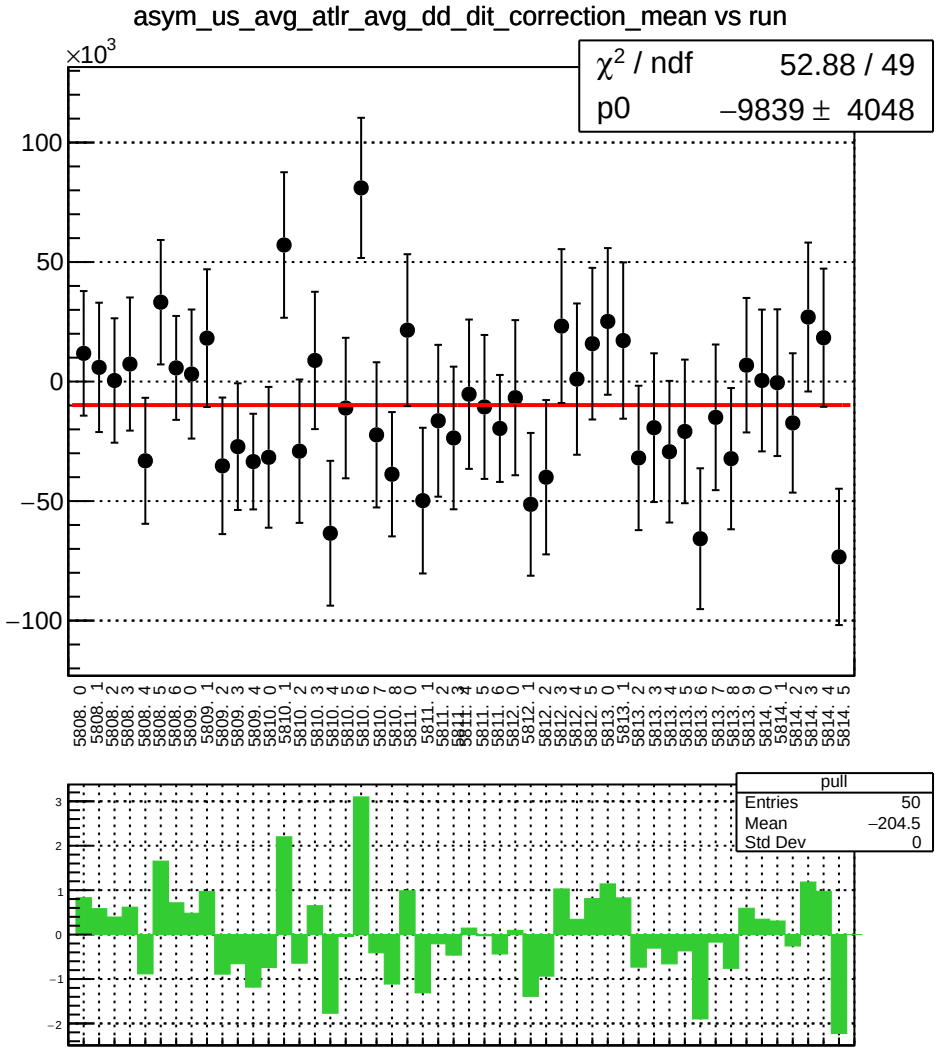

pull1D
Entries 50
Mean 0.01337
Std Dev 1.024
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

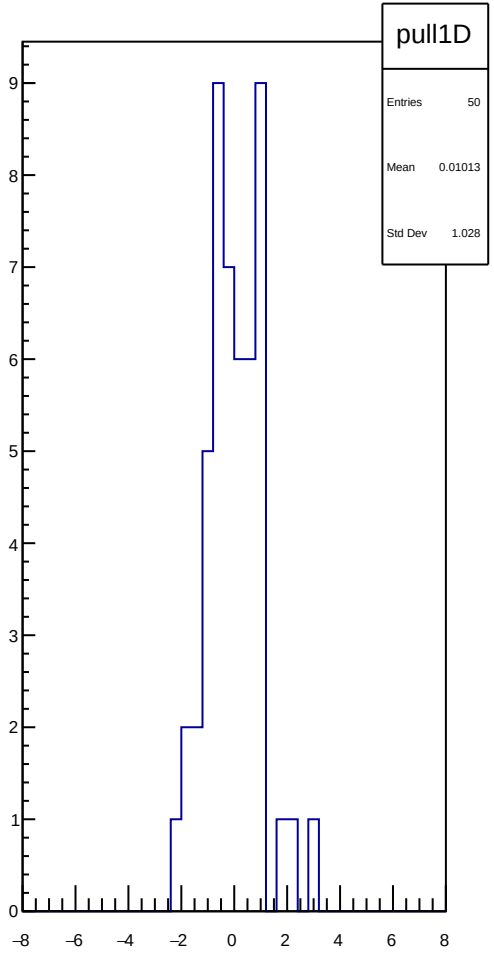

asym_us_avg_atlr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 2321 / 49
p0 2713 ± 2.784
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

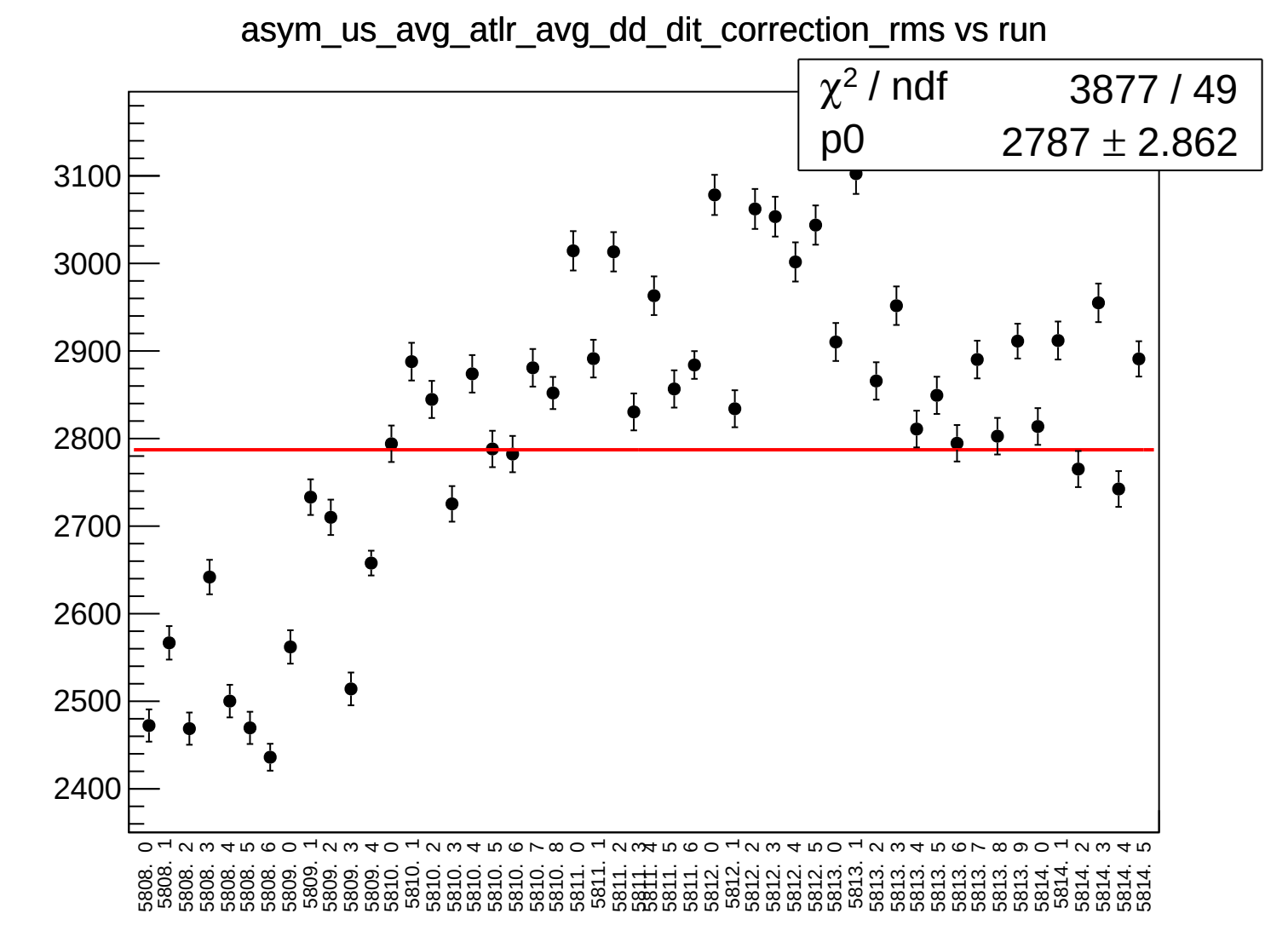

dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 44.11 / 49
p0 −404.2 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −150.9
Std Dev 0

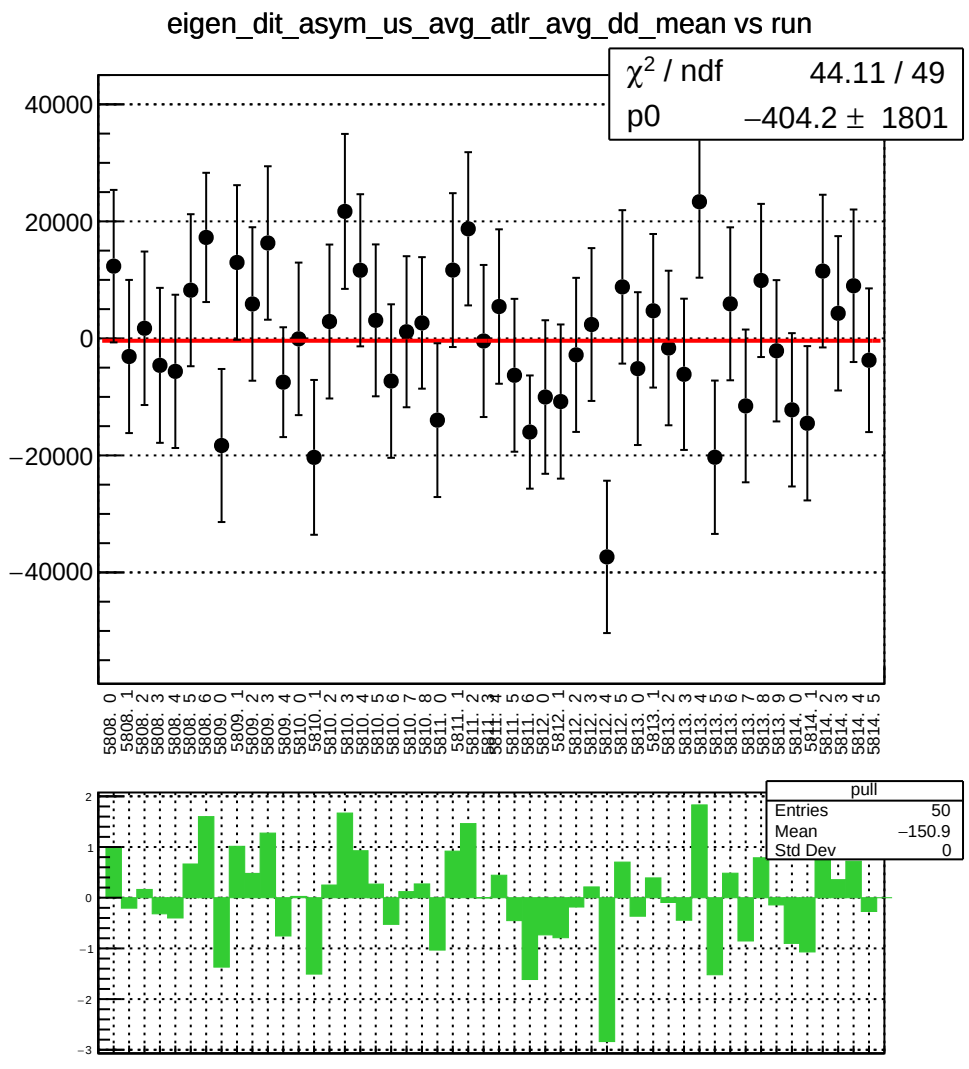

pull1D
Entries 50
Mean 0.01084
Std Dev 0.9392

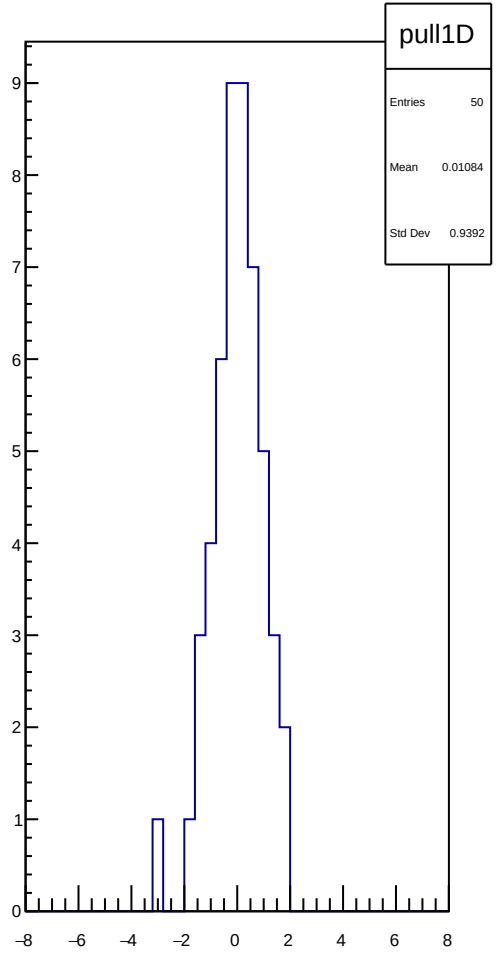

dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 36.2 / 49
p0 1243 ± 1.274
1270
1260
1250
1240
1230
1220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

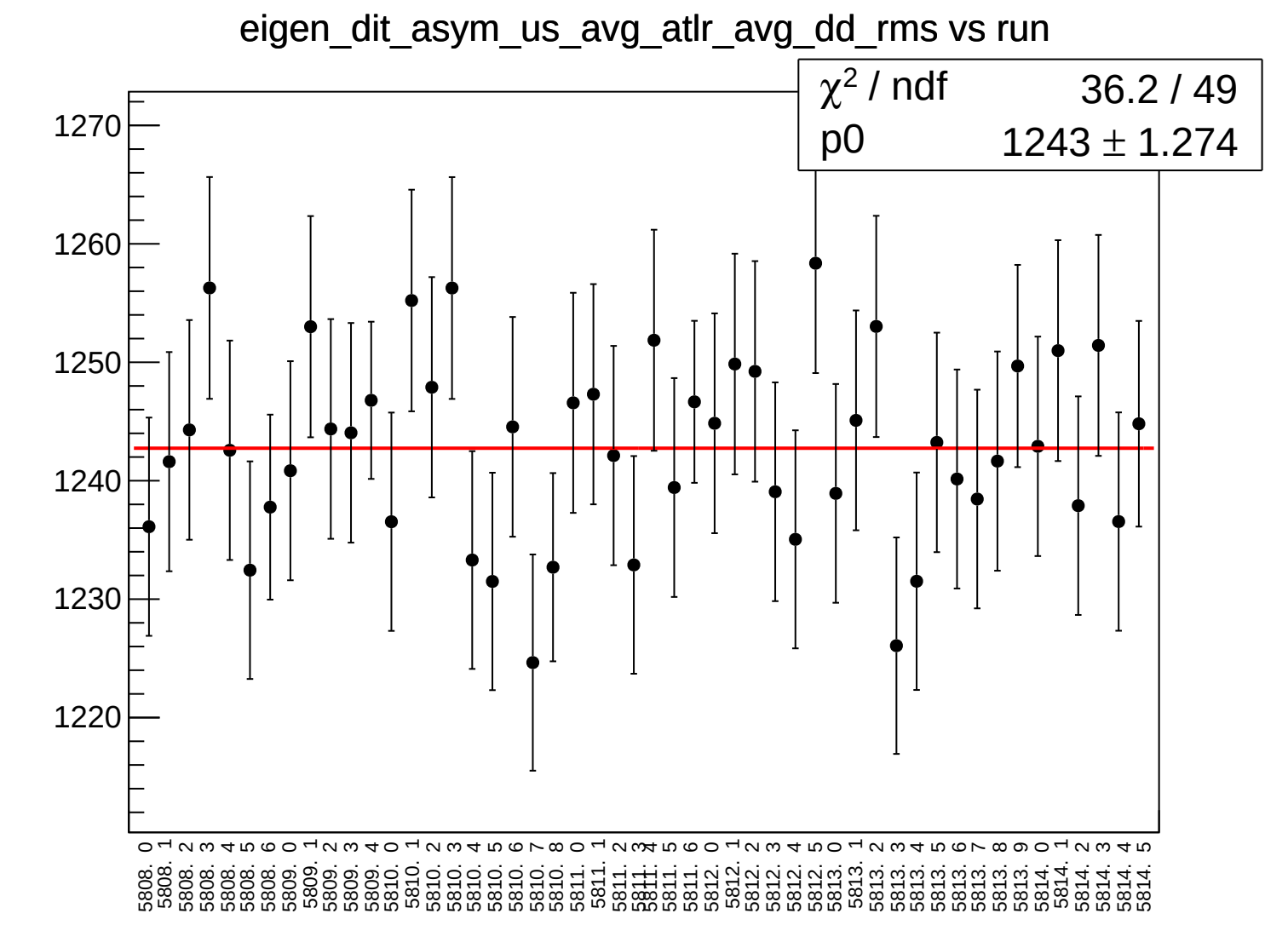

asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ^2 / ndf 52.88 / 49
p0 −9839 ± 4048
100
50
0
−50
−100
pull
Entries 50
Mean −204.5
Std Dev 0
3
2
1
0
−1
−2

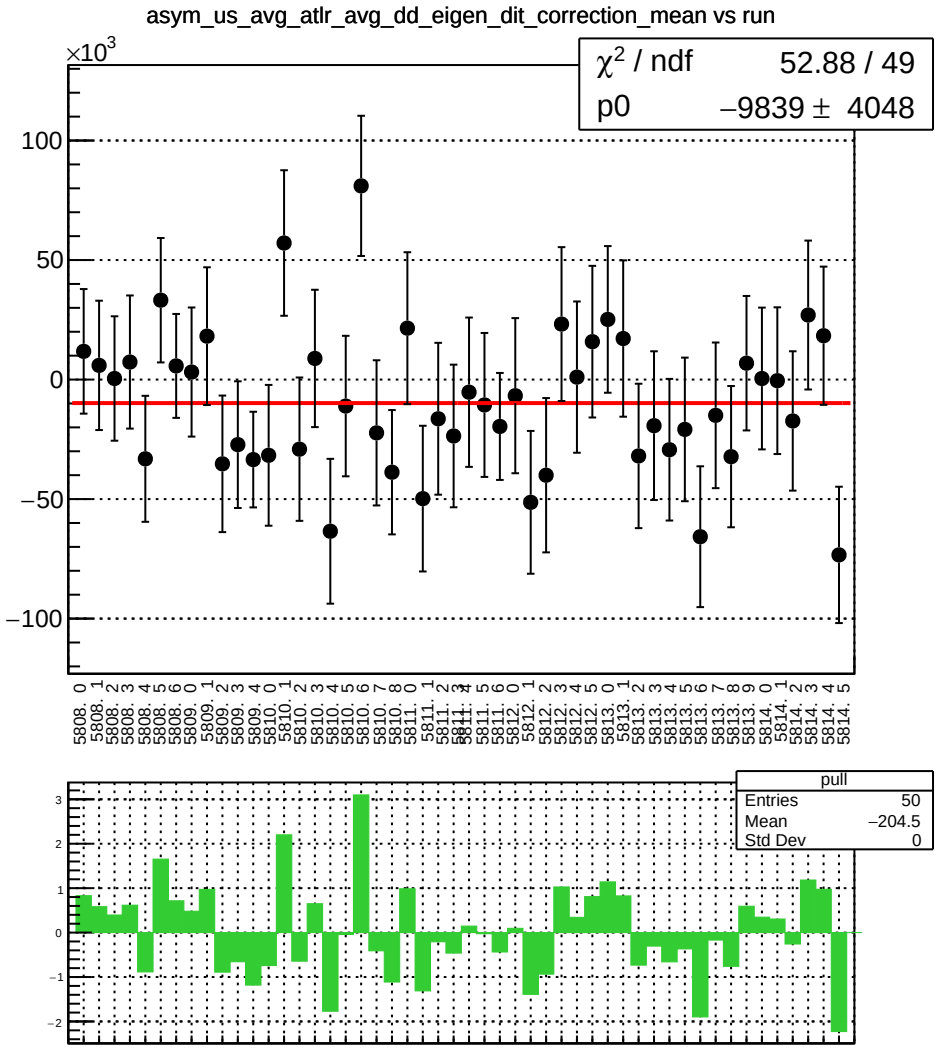

pull1D
Entries 50
Mean 0.01013
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

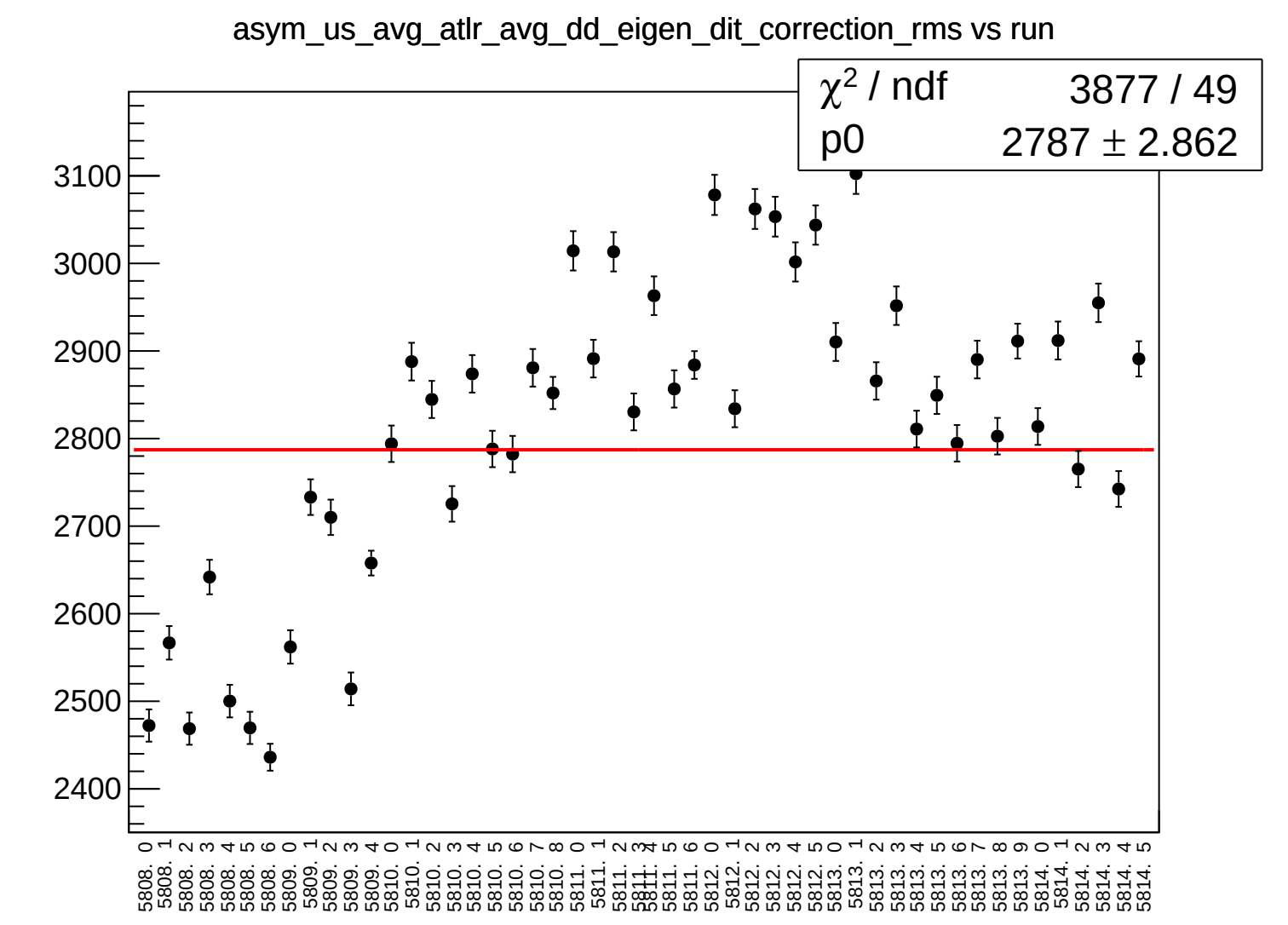

asym_us_avg_atlr_avg_dd_dit_correction_rms vs run
χ² / ndf 3877 / 49
p0 2787 ± 2.862
3100
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

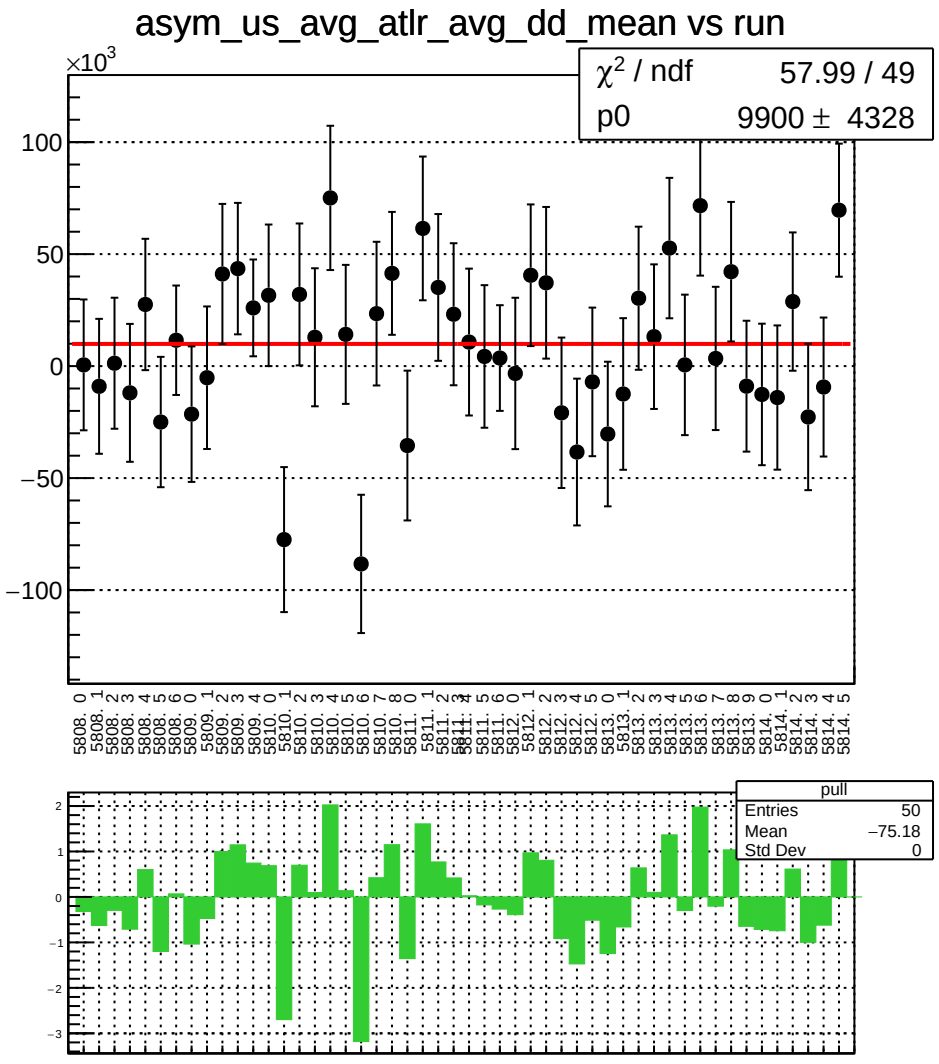

eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 44.11 / 49
p0 −404.2 ± 1801
40000
20000
0
−20000
−40000
pull
Entries 50
Mean −150.9
Std Dev 0
2
1
0
−1
−2
−3

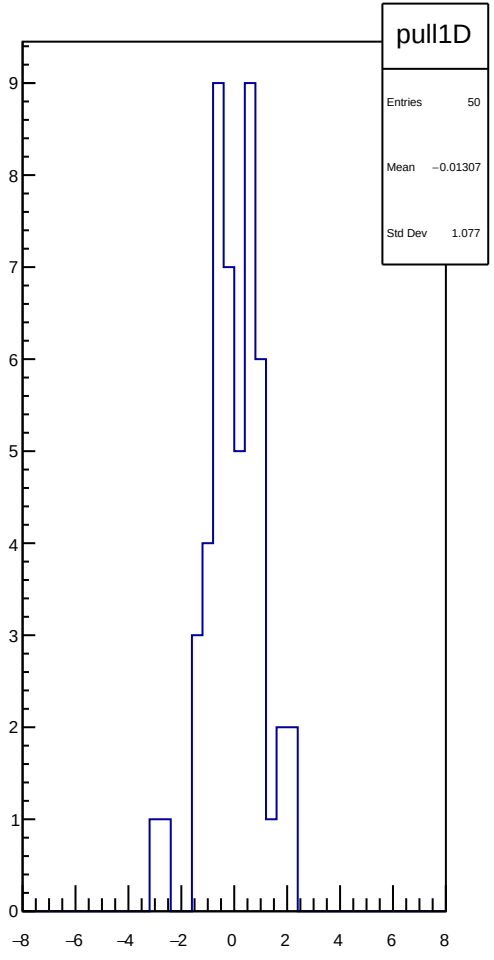

pull1D
Entries 50
Mean 0.01084
Std Dev 0.9392
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

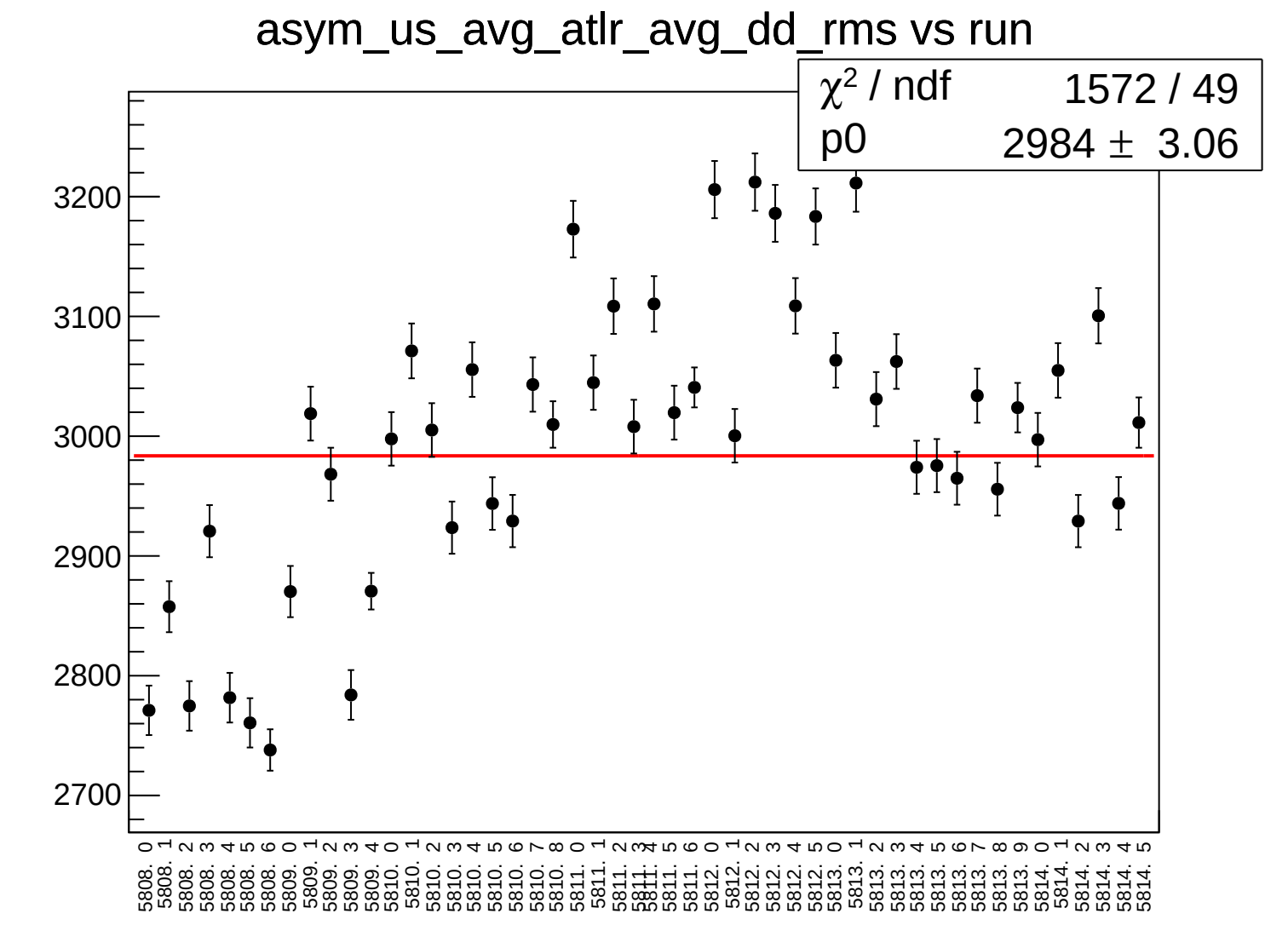

eigen_dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 36.2 / 49
p0 1243 ± 1.274
1270
1260
1250
1240
1230
1220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 52.88 / 49
p0 −9839 ± 4048
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −204.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01013
Std Dev 1.028
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 3877 / 49
p0 2787 ± 2.862
3100
3000
2900
2800
2700
2600
2500
2400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ^2 / ndf 57.99 / 49
p0 9900 ± 4328
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −75.18
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01307
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 1572 / 49
p0 2984 ± 3.06
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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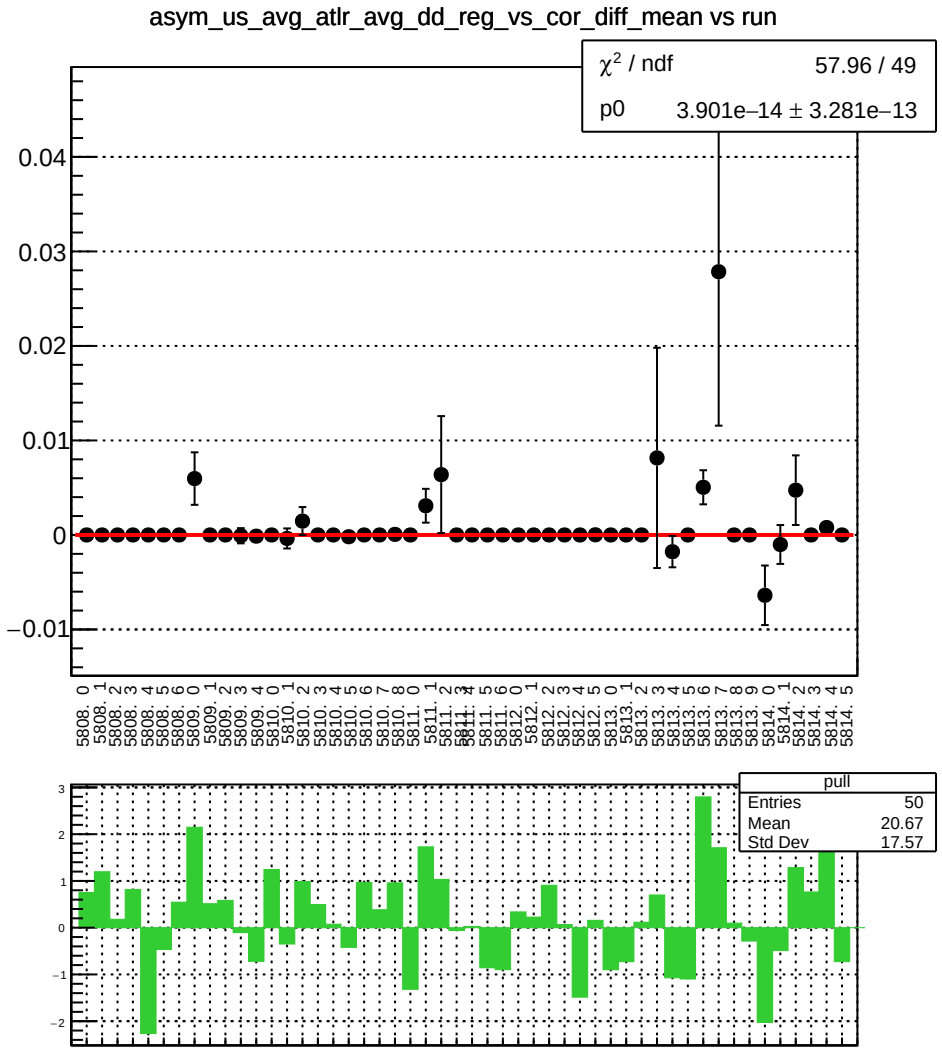
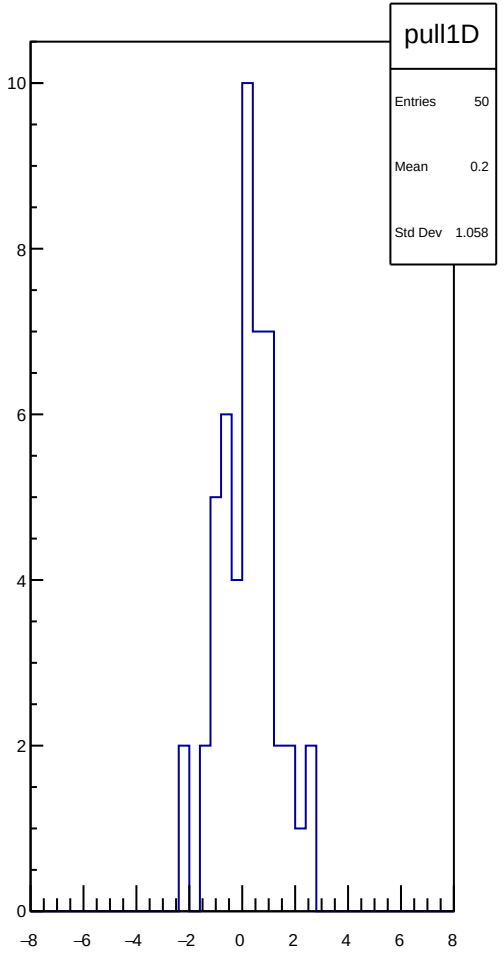
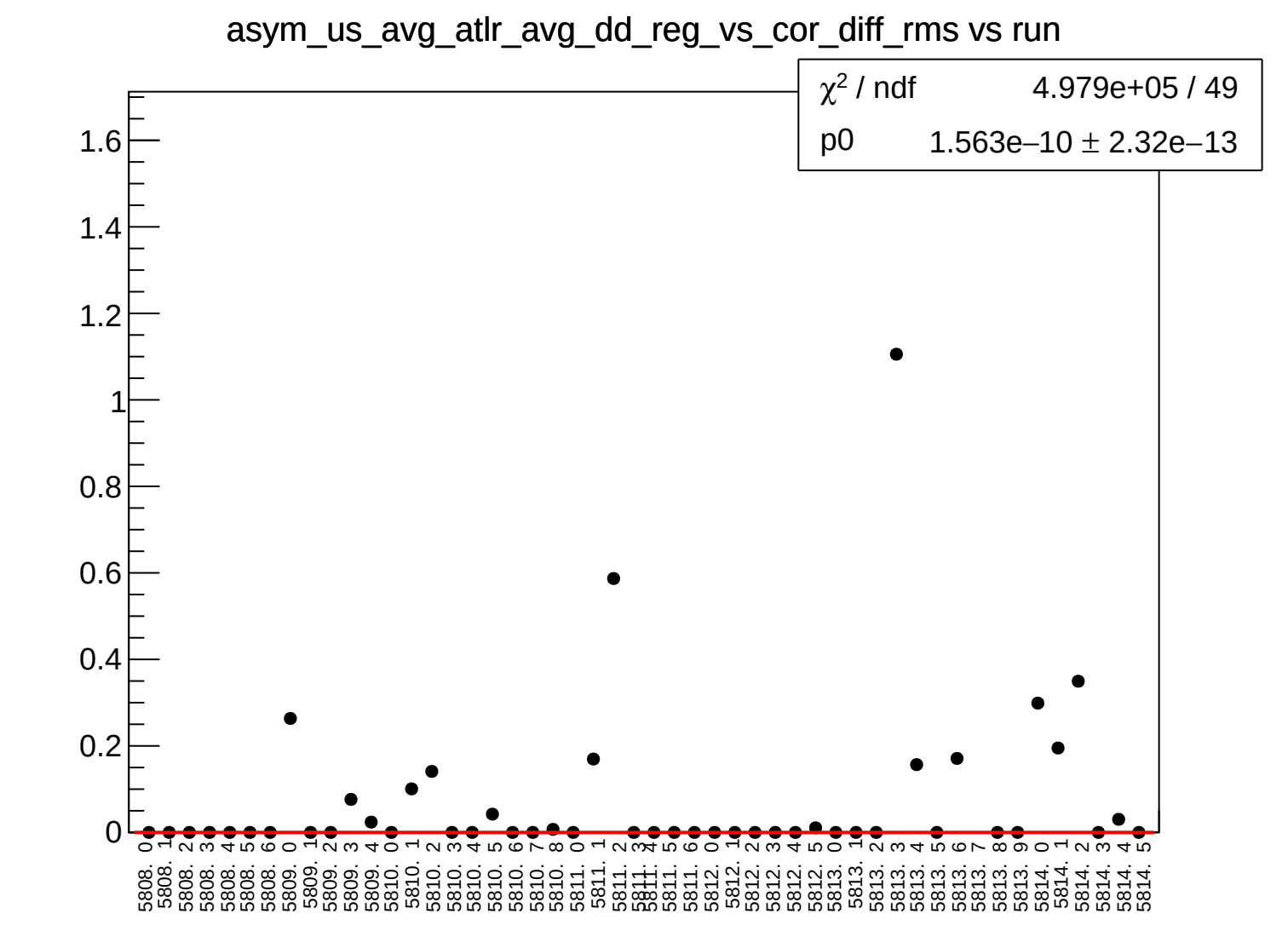
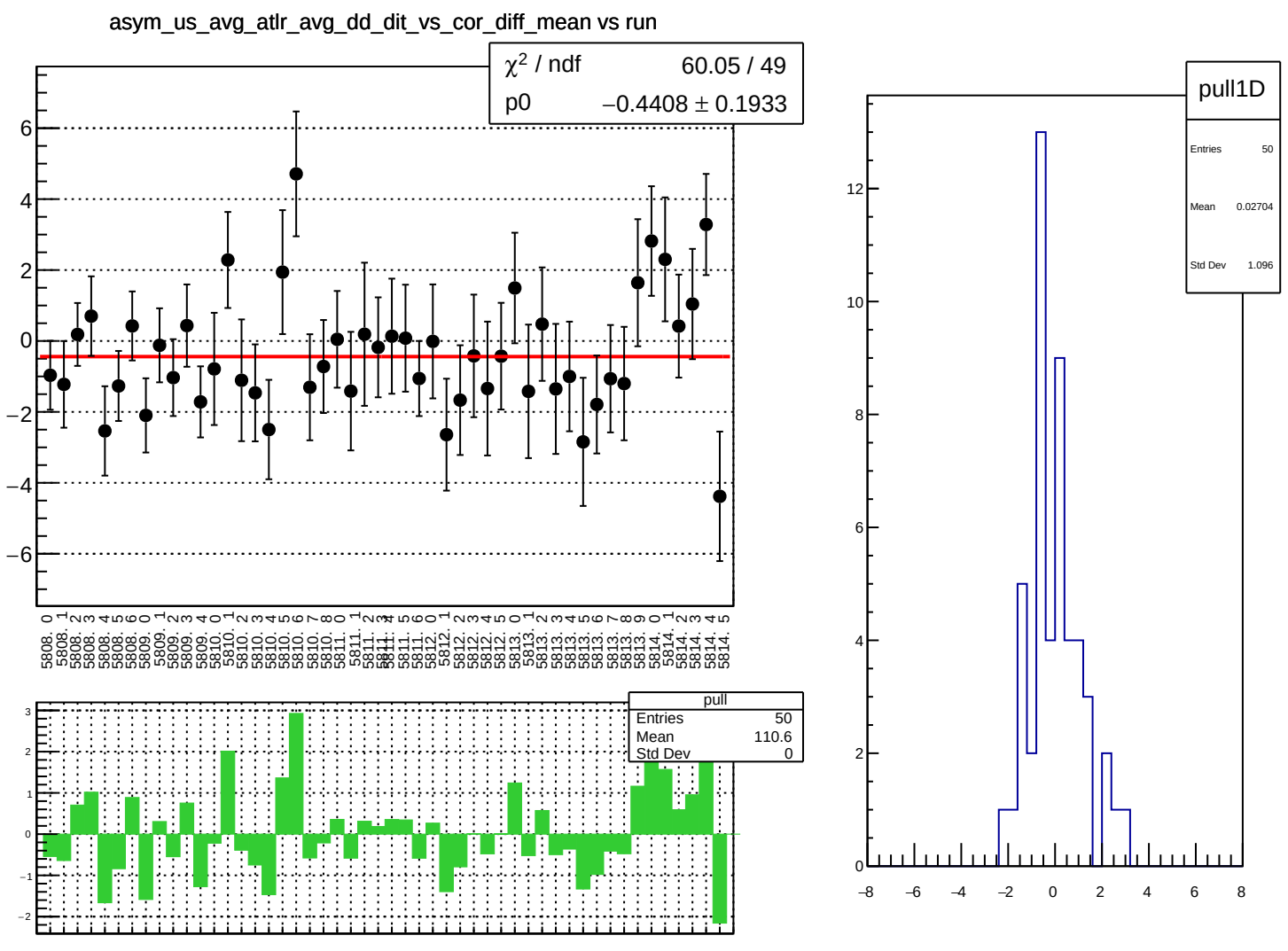
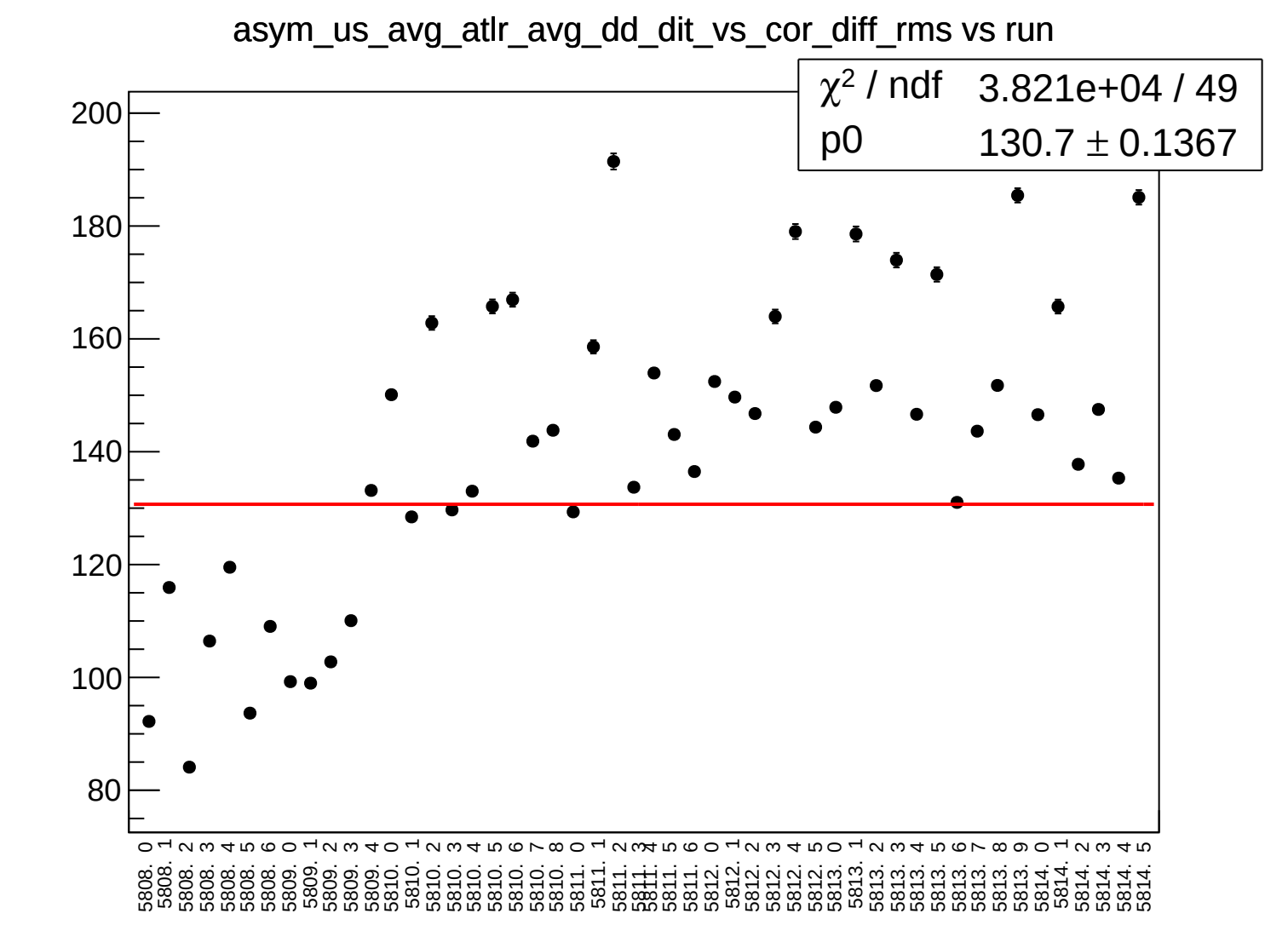
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

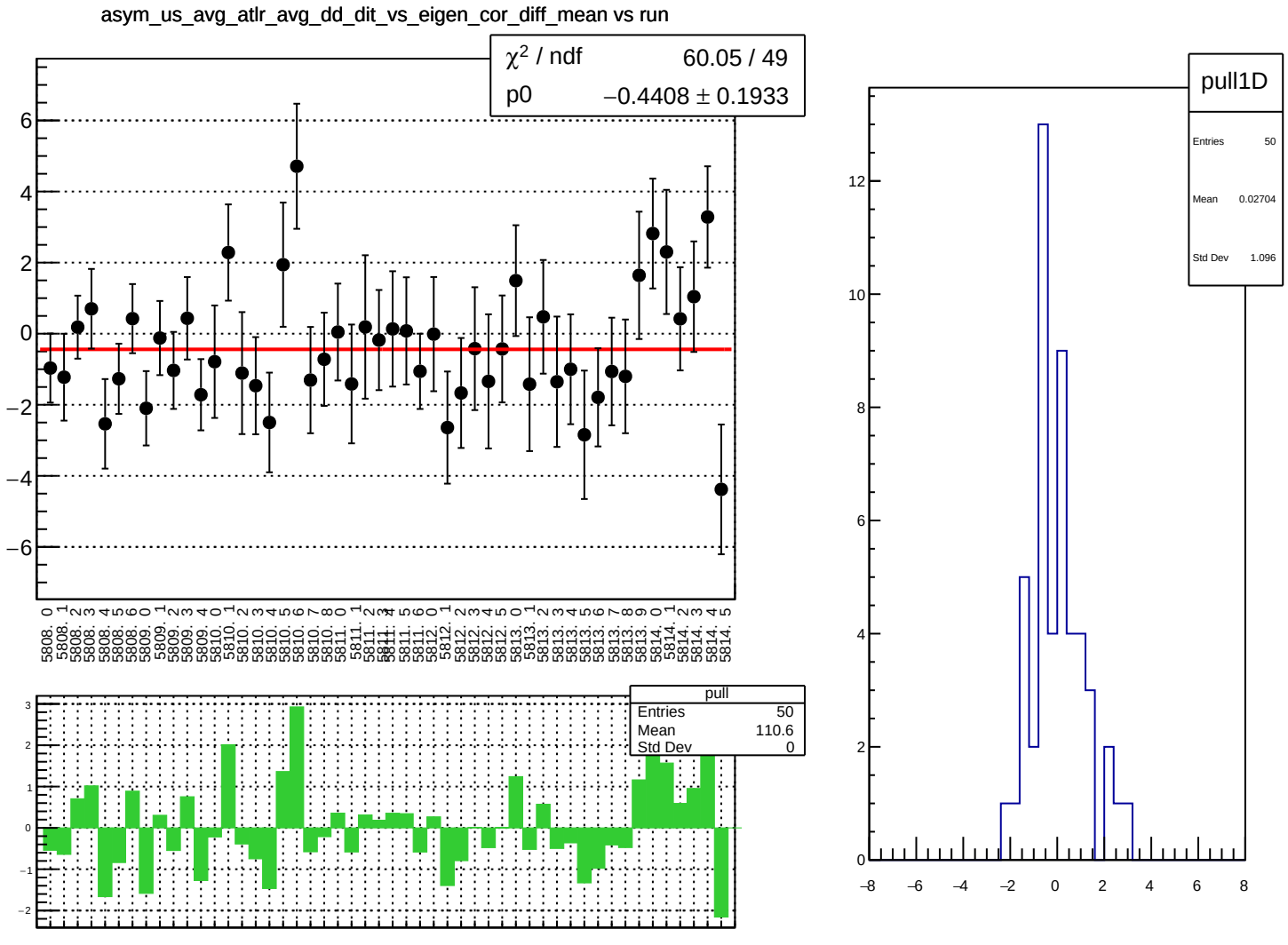

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 57.96 / 49
p0 3.901e−14 ± 3.281e−13
0.04
0.03
0.02
0.01
0
−0.01
pull
Entries 50
Mean 20.67
Std Dev 17.57

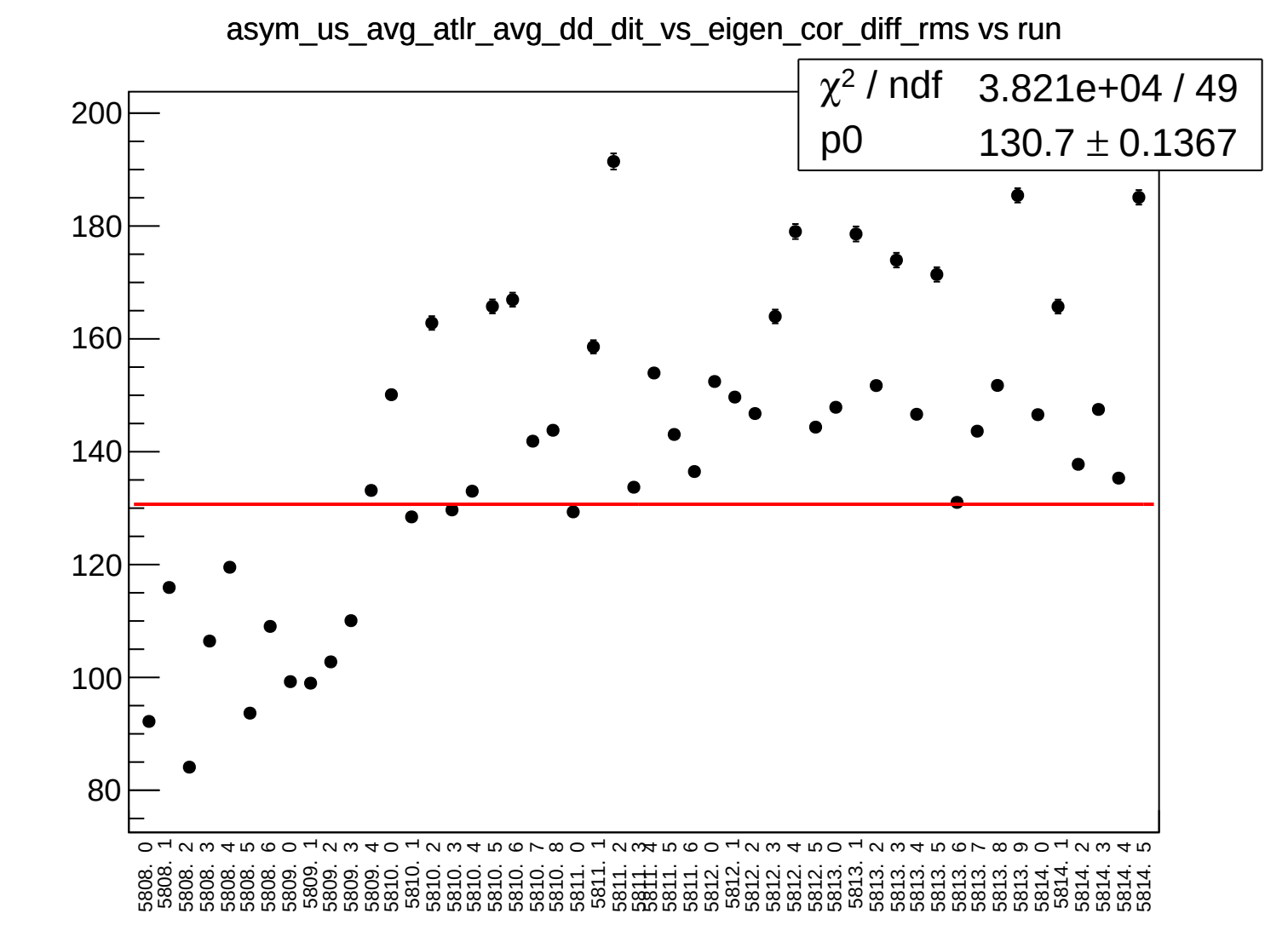

pull1D
Entries 50
Mean 0.2
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

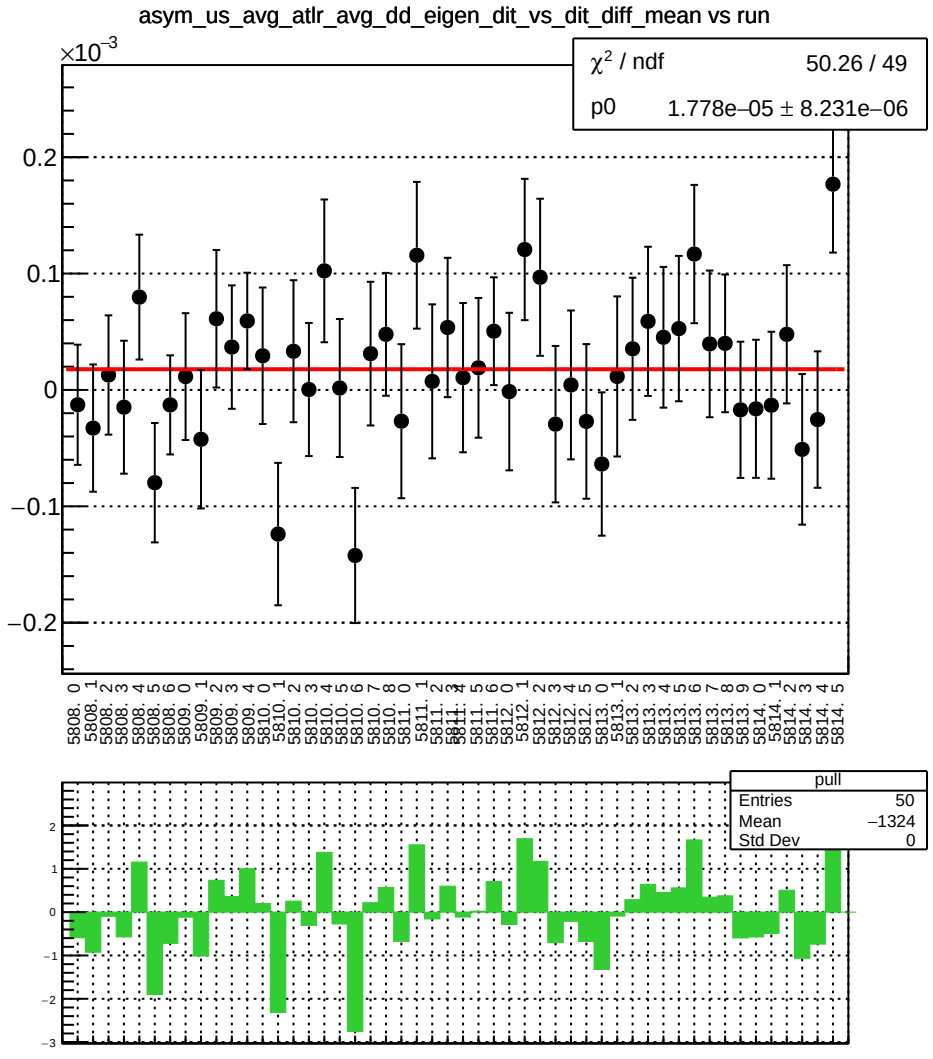

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.979e+05 / 49
p0 1.563e−10 ± 2.32e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

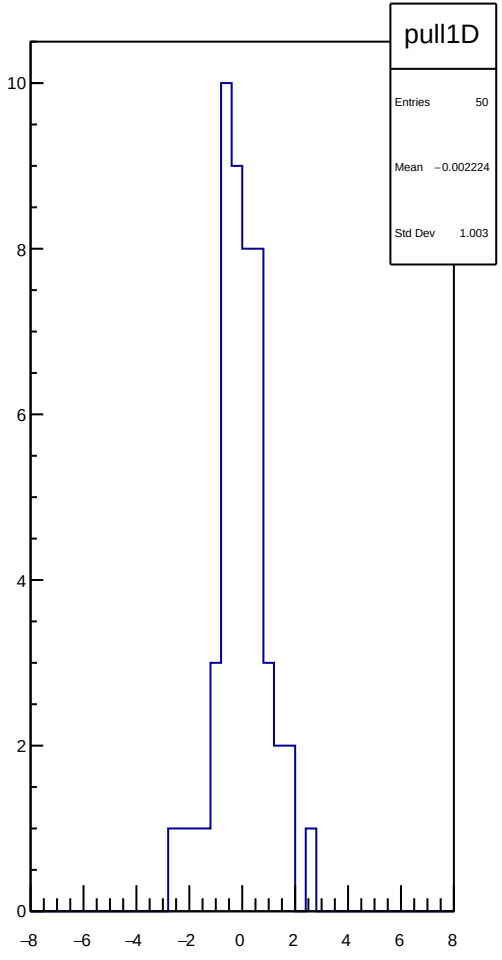

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 60.05 / 49
p0 −0.4408 ± 0.1933
pull
Entries 50
Mean 110.6
Std Dev 0
pull1D
Entries 50
Mean 0.02704
Std Dev 1.096

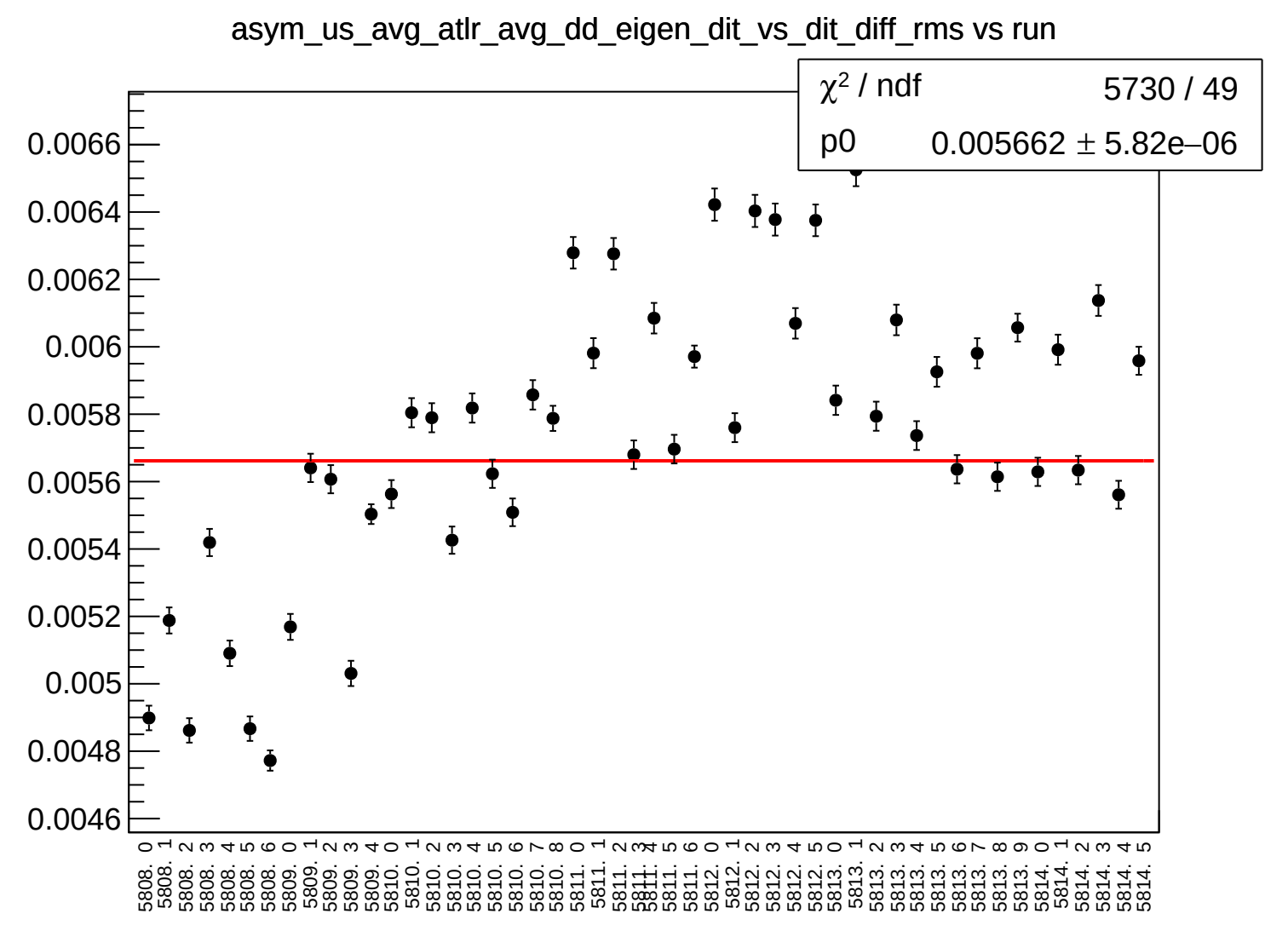

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.821e+04 / 49
p0 130.7 ± 0.1367
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

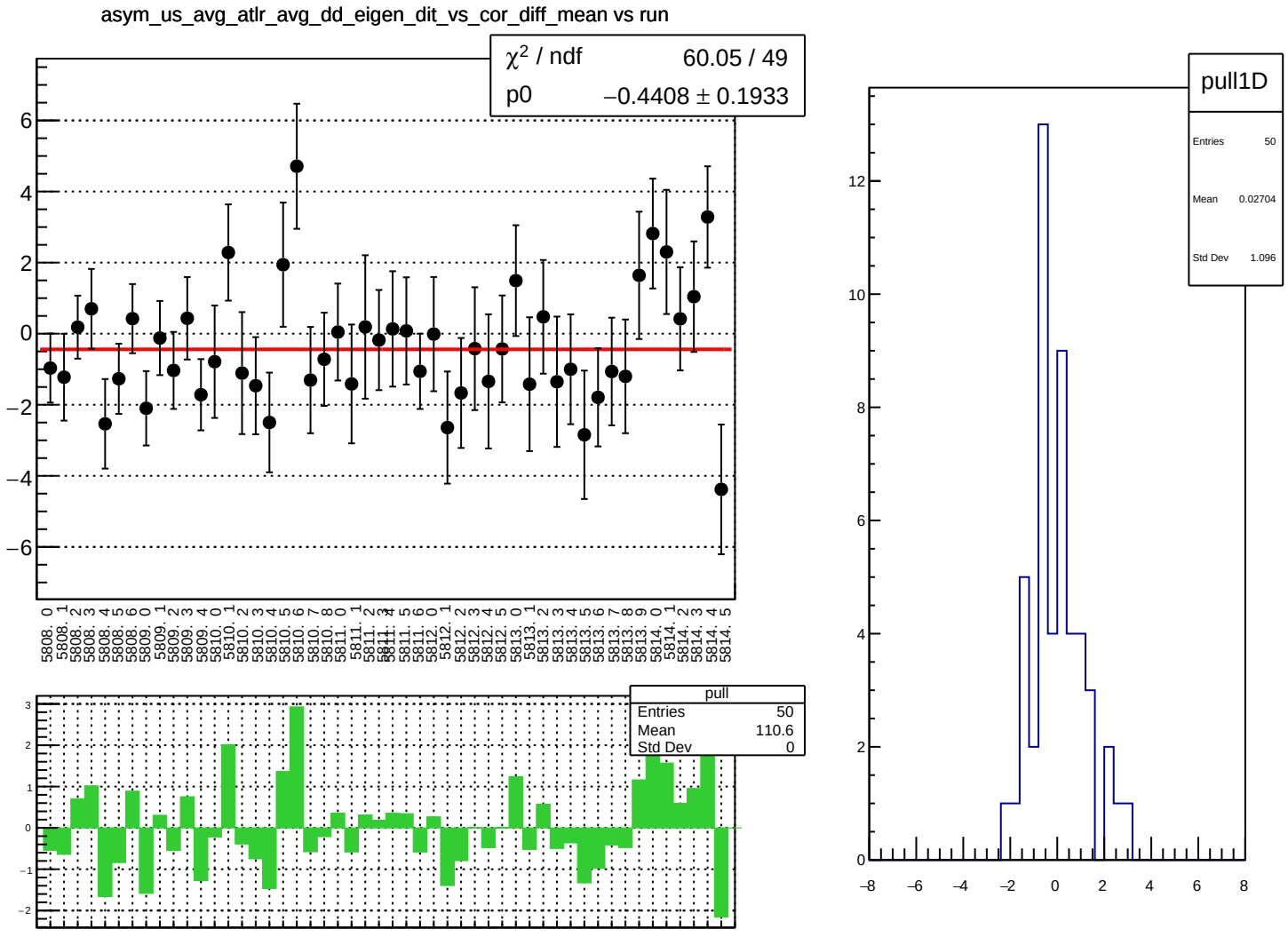

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.05 / 49
p0 −0.4408 ± 0.1933
pull
Entries 50
Mean 110.6
Std Dev 0
pull1D
Entries 50
Mean 0.02704
Std Dev 1.096

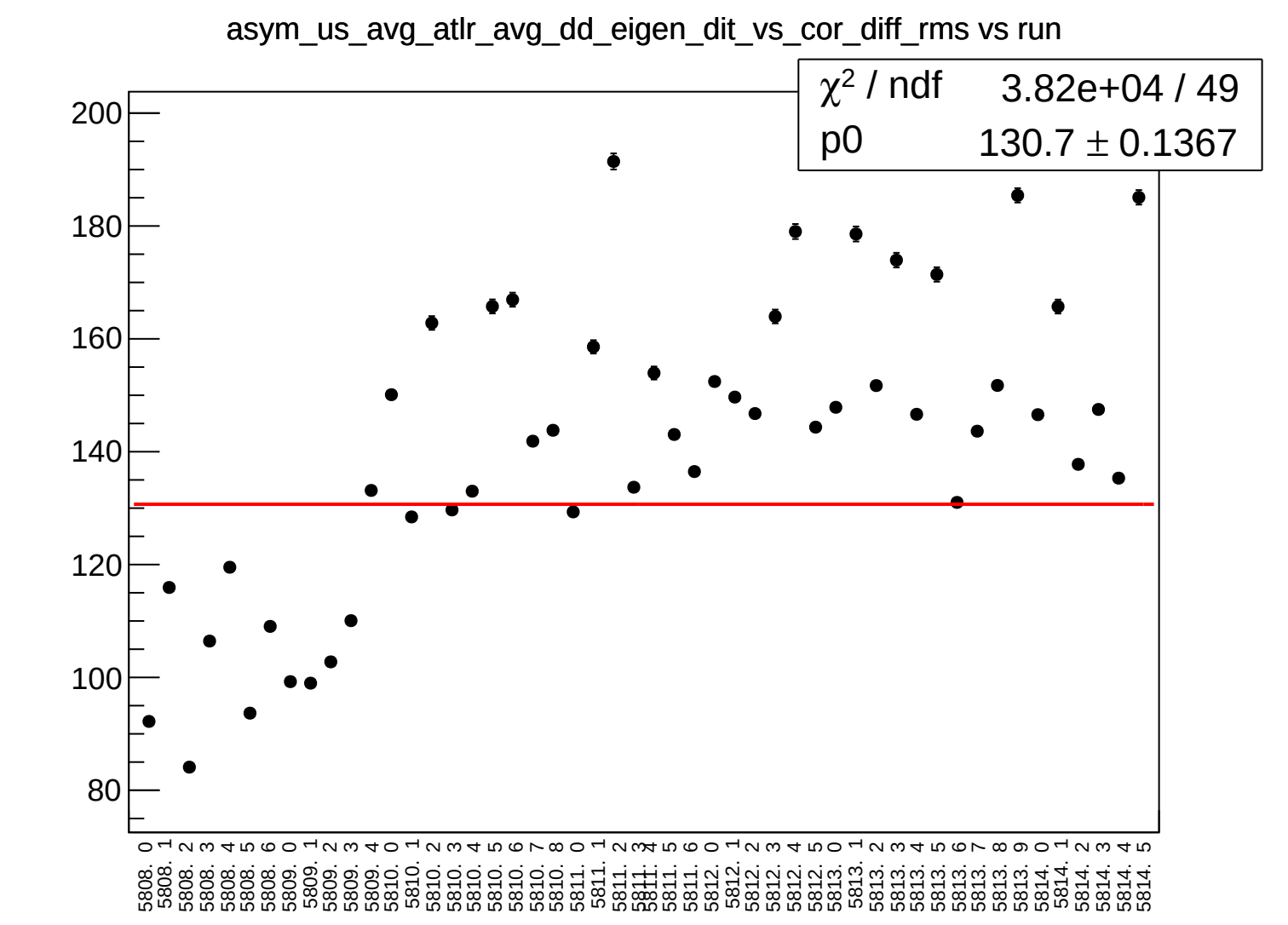

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.821e+04 / 49
p0 130.7 ± 0.1367
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

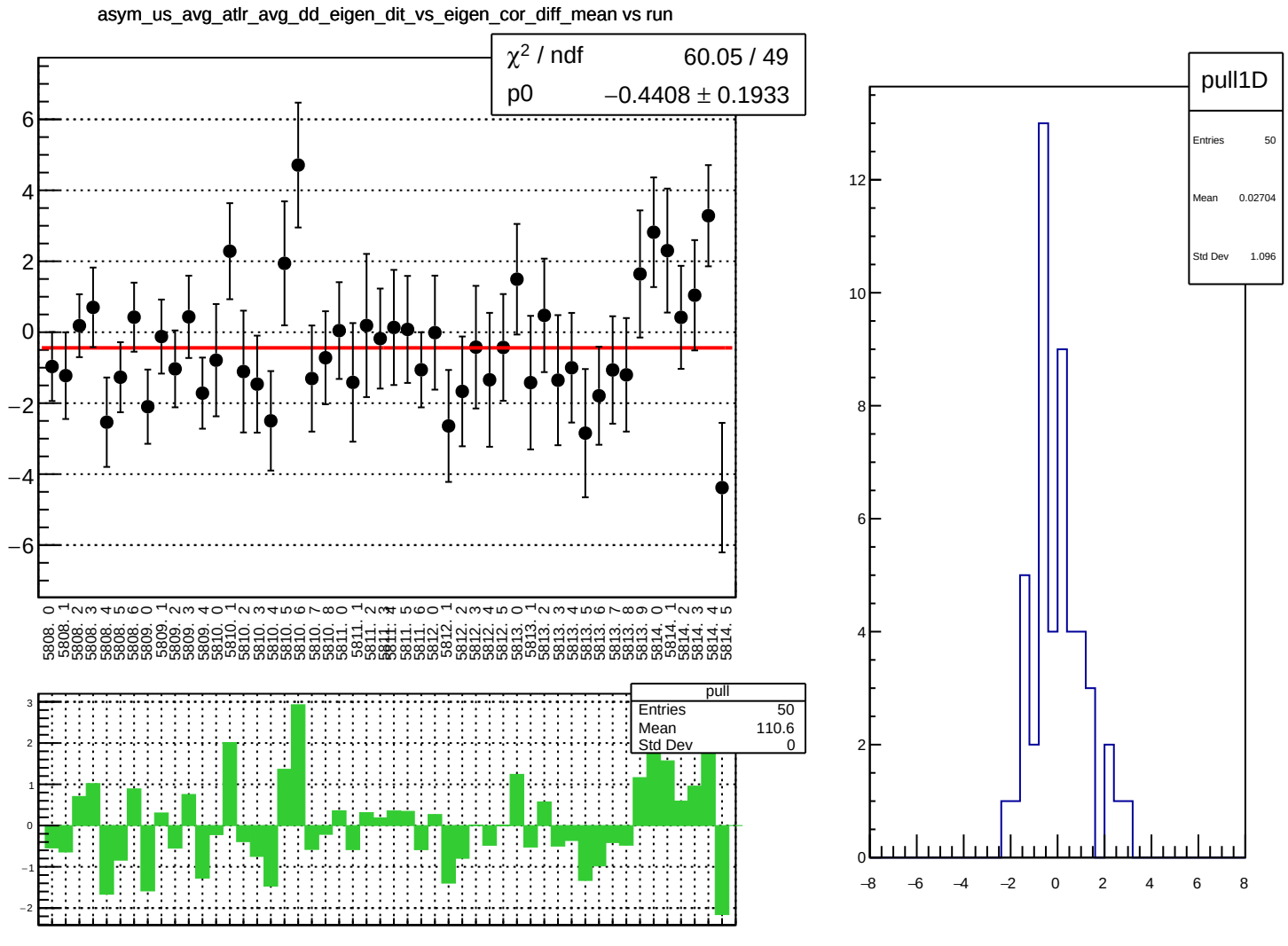

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.26 / 49
p0 1.778e−05 ± 8.231e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 50
Mean −1324
Std Dev 0
2
1
0
−1
−2
−3

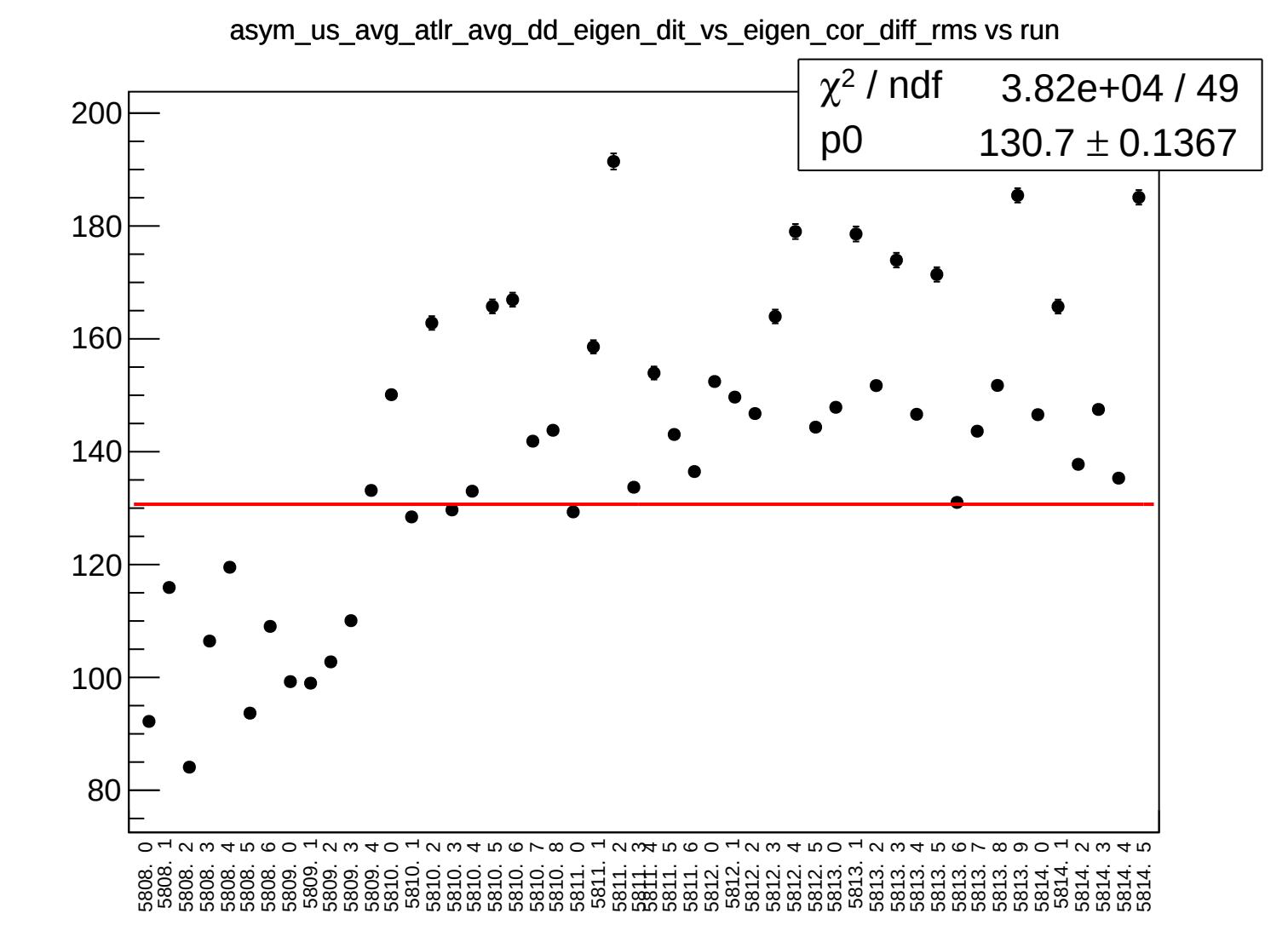

pull1D
Entries 50
Mean −0.002224
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

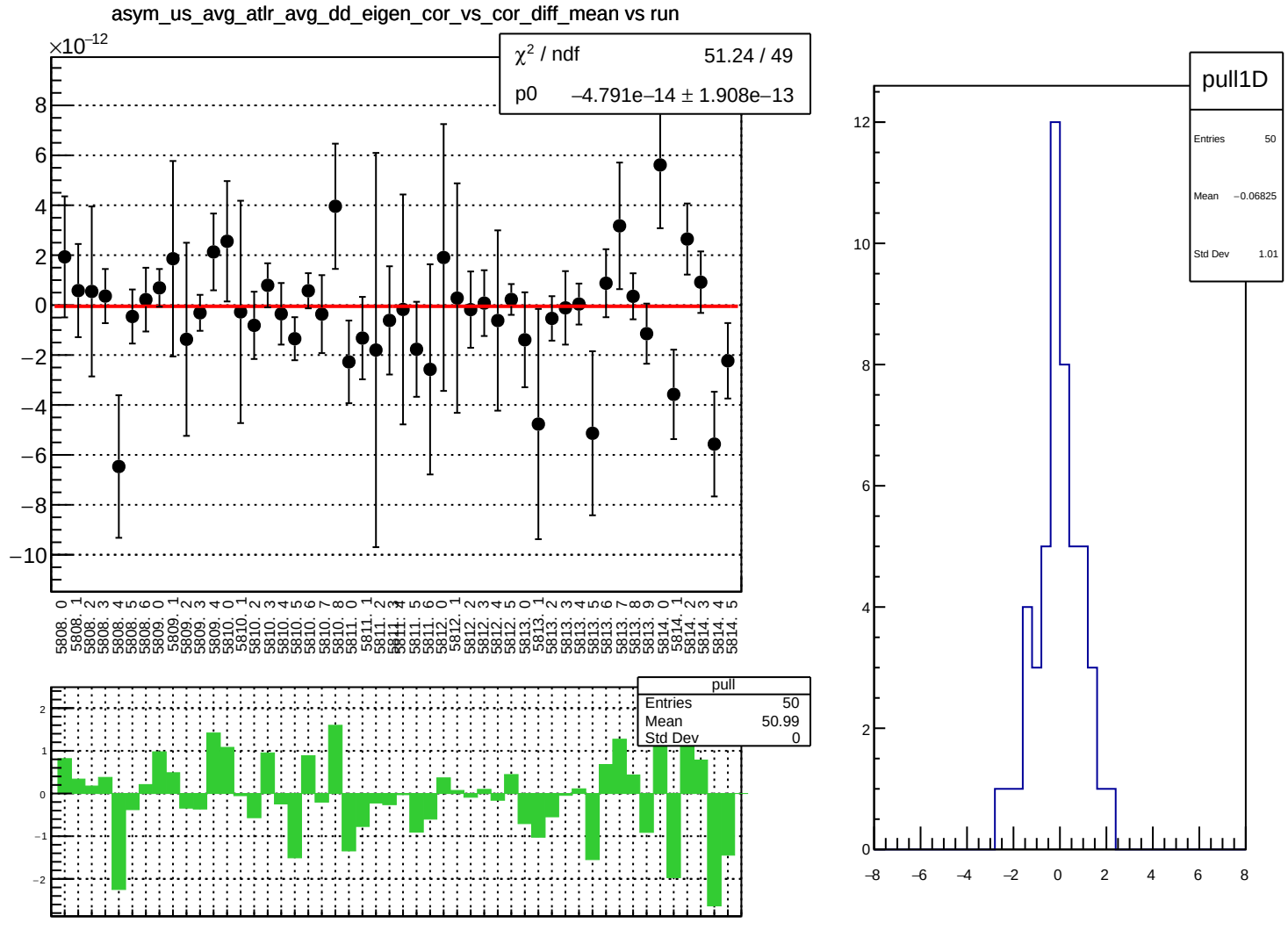

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5730 / 49
p0 0.005662 ± 5.82e–06
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

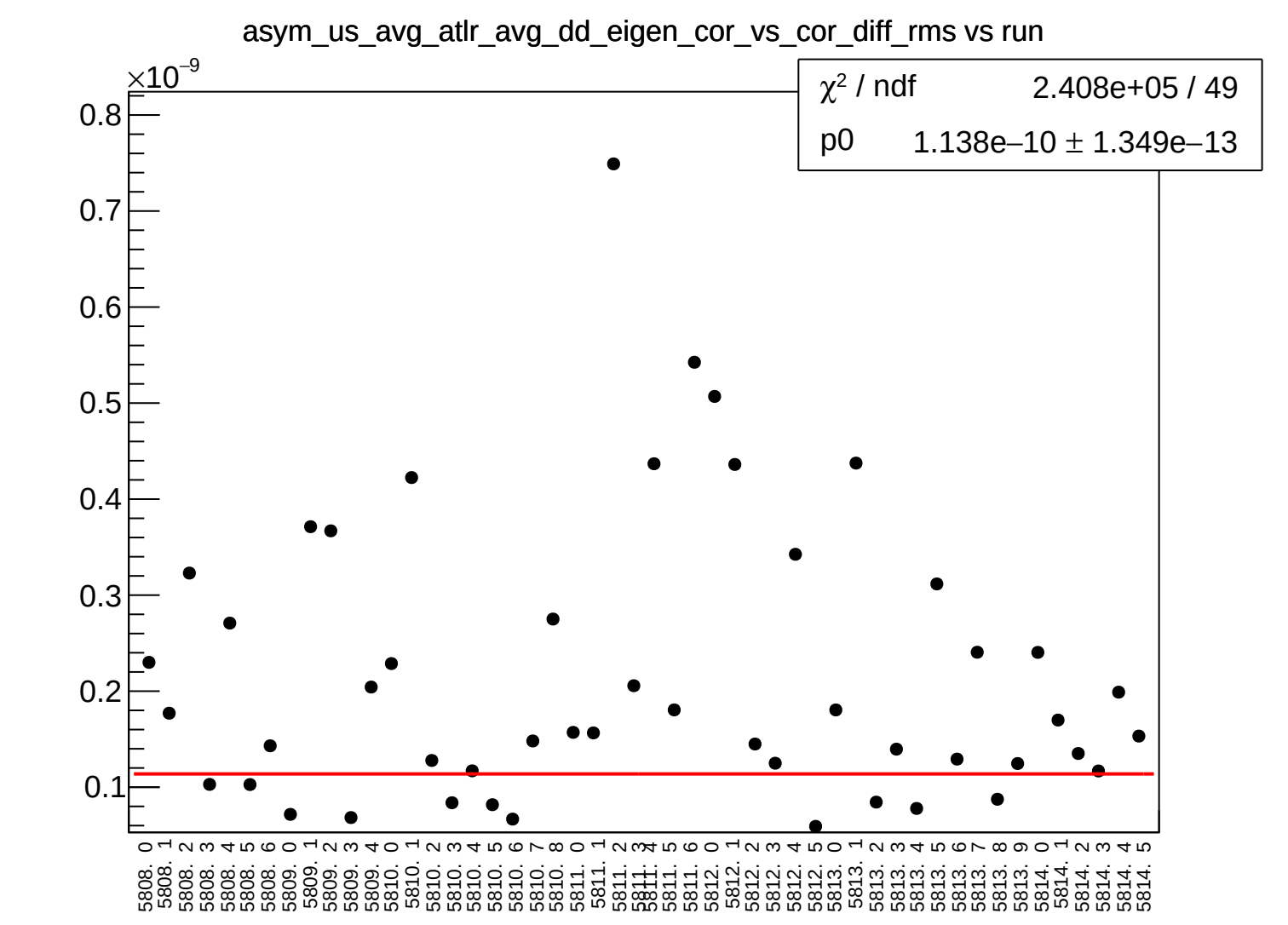

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 60.05 / 49
p0 −0.4408 ± 0.1933
pull
Entries 50
Mean 110.6
Std Dev 0
pull1D
Entries 50
Mean 0.02704
Std Dev 1.096


asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.82e+04 / 49
p0 130.7 ± 0.1367
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 60.05 / 49
p0 −0.4408 ± 0.1933
pull
Entries 50
Mean 110.6
Std Dev 0
pull1D
Entries 50
Mean 0.02704
Std Dev 1.096


asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.82e+04 / 49
p0 130.7 ± 0.1367
200
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.24 / 49
p0 −4.791e−14 ± 1.908e−13
pull
Entries 50
Mean 50.99
Std Dev 0
pull1D
Entries 50
Mean −0.06825
Std Dev 1.01


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.408e+05 / 49
p0 1.138e−10 ± 1.349e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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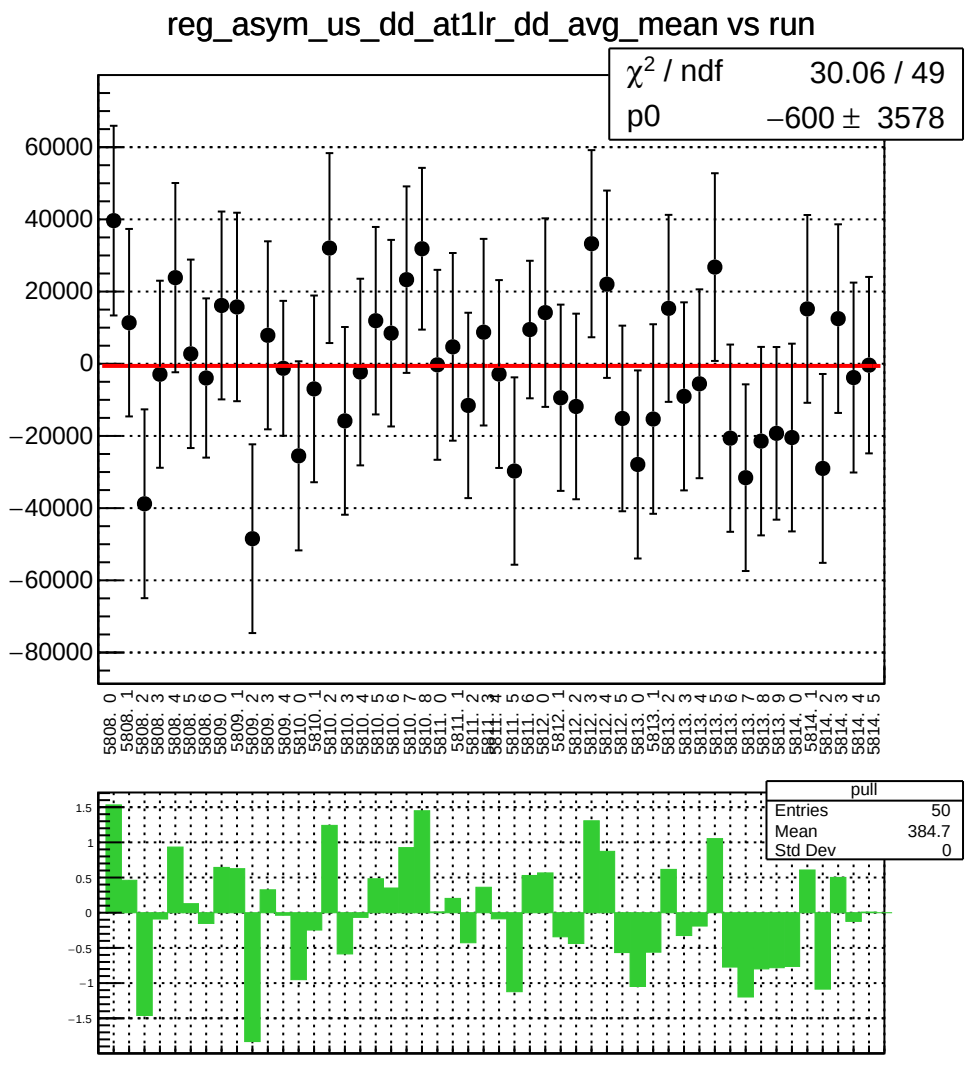
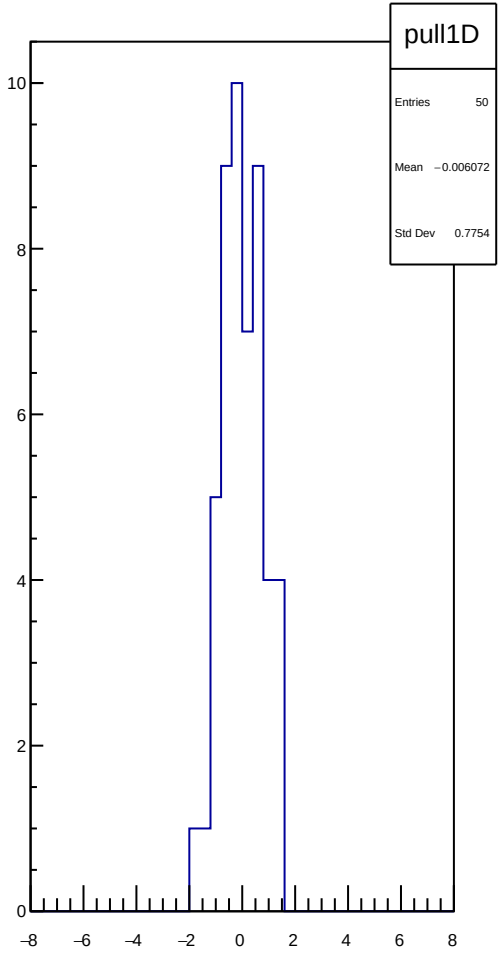
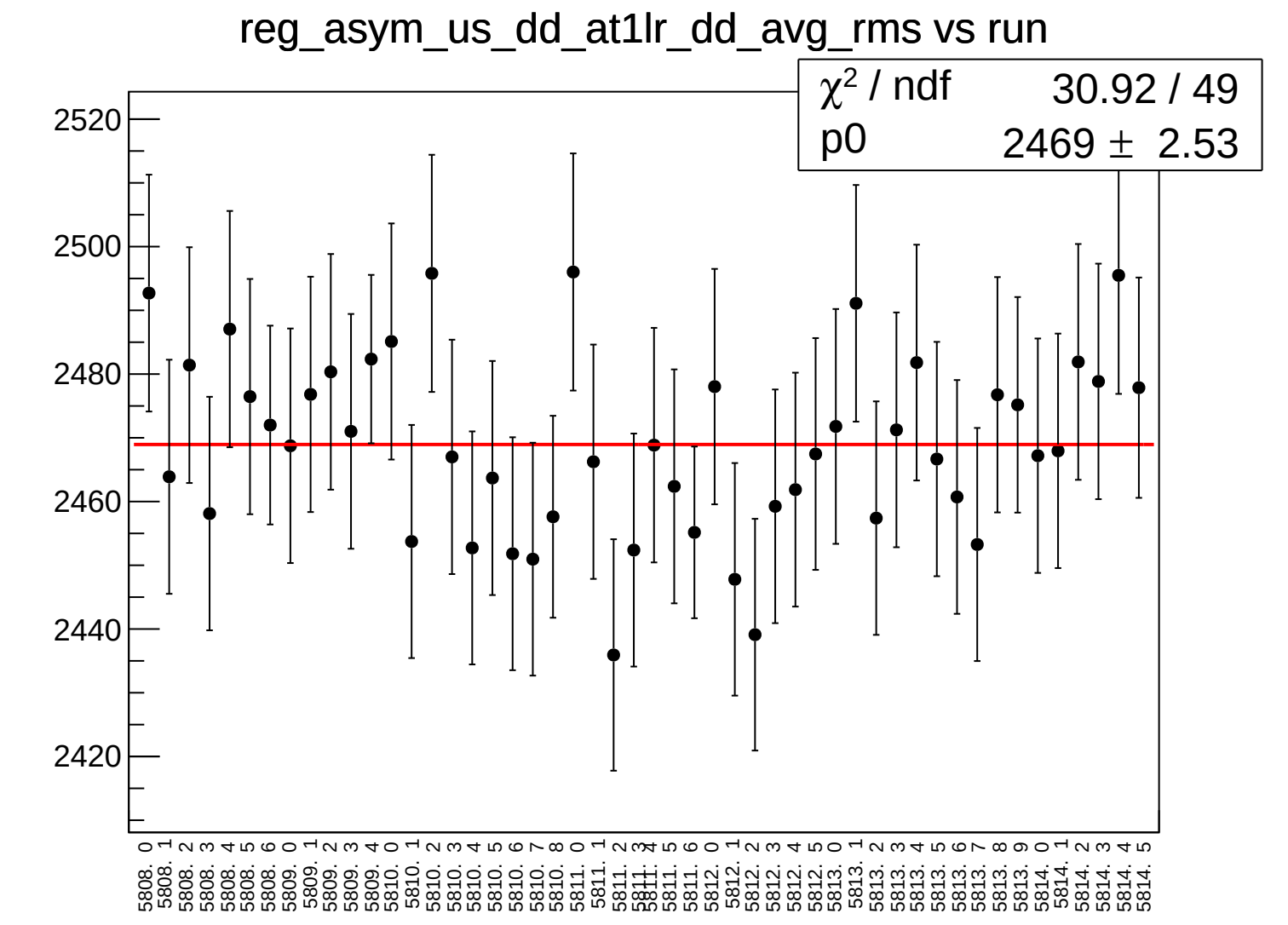
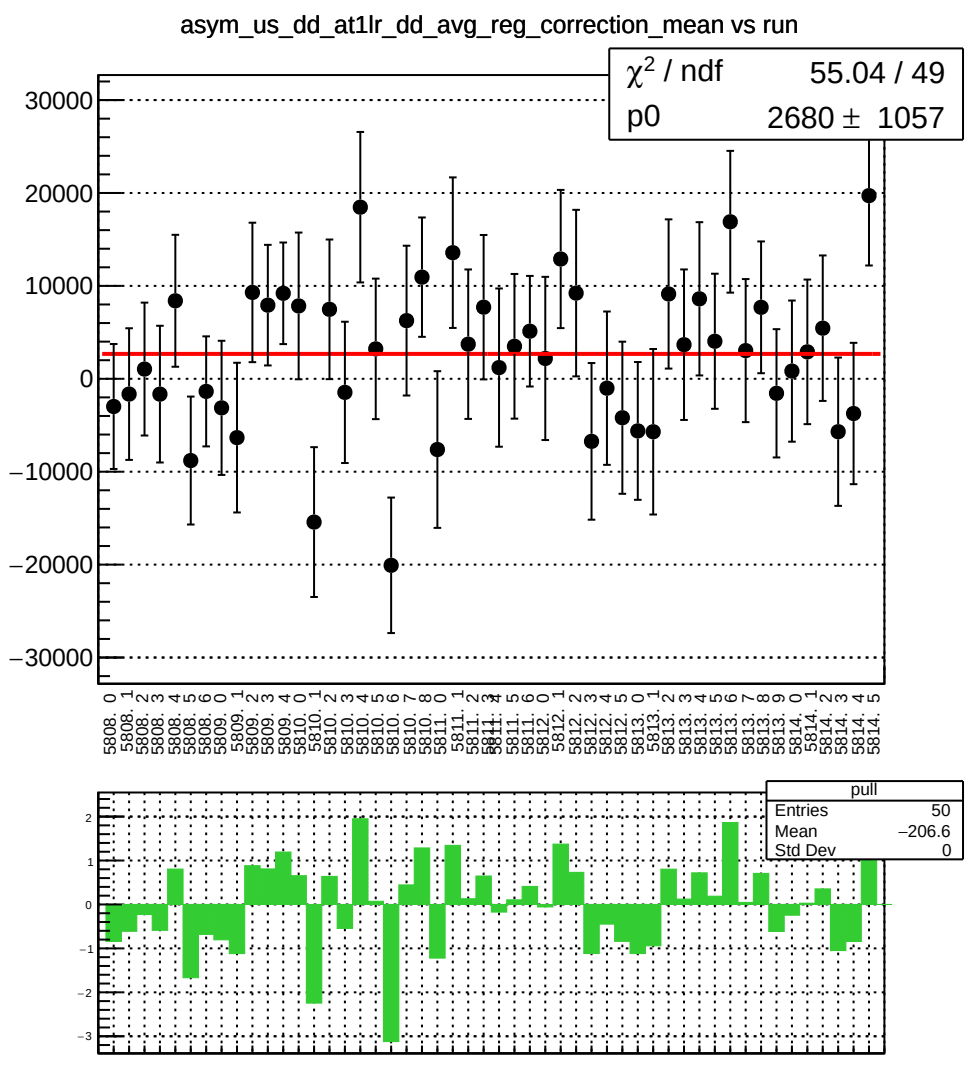
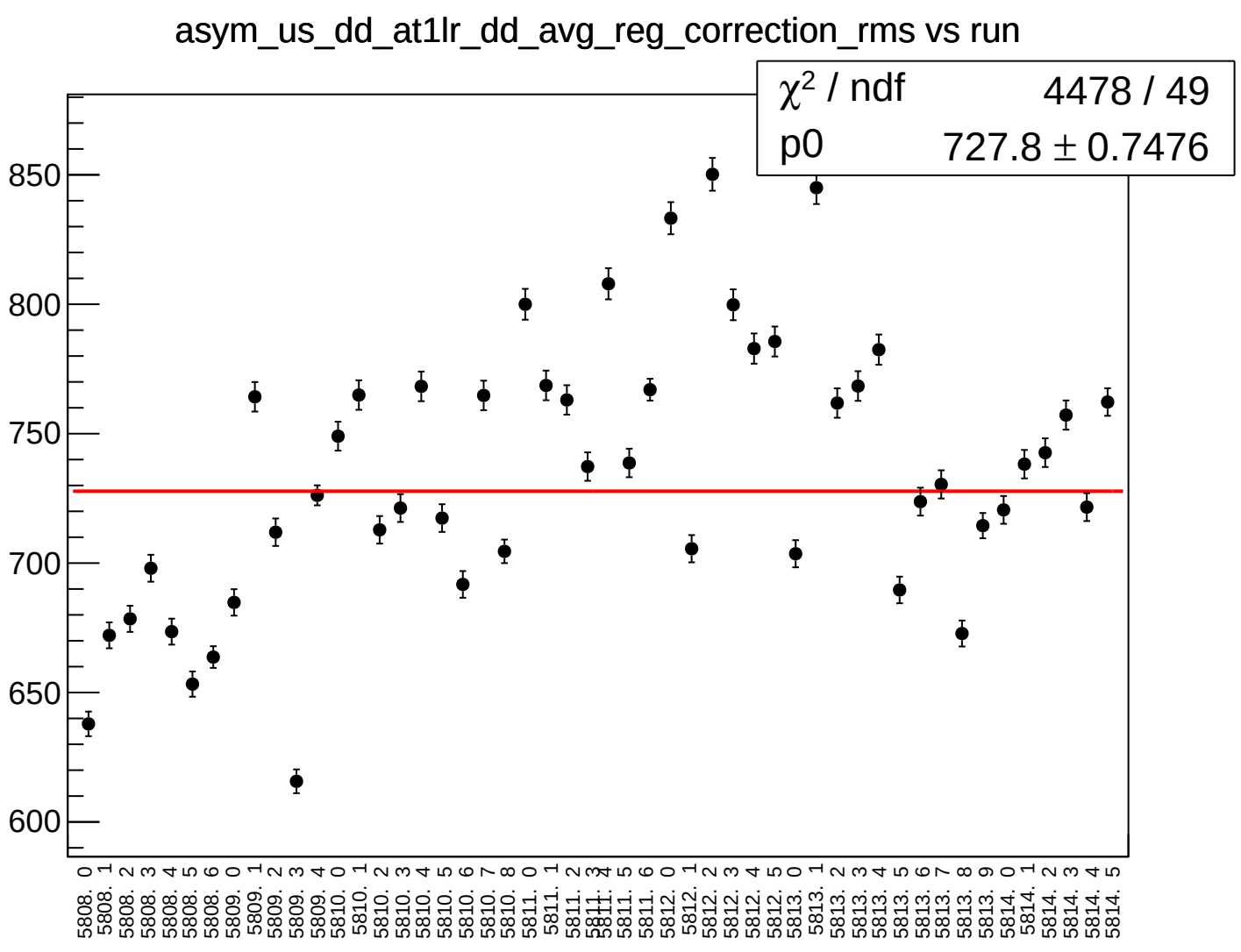
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.06 / 49
p0 −600 ± 3578
pull
Entries 50
Mean 384.7
Std Dev 0


pull1D
Entries 50
Mean −0.006072
Std Dev 0.7754


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 30.92 / 49
p0 2469 ± 2.53
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 55.04 / 49
p0 2680 ± 1057
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −206.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01089
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4478 / 49
p0 727.8 ± 0.7476
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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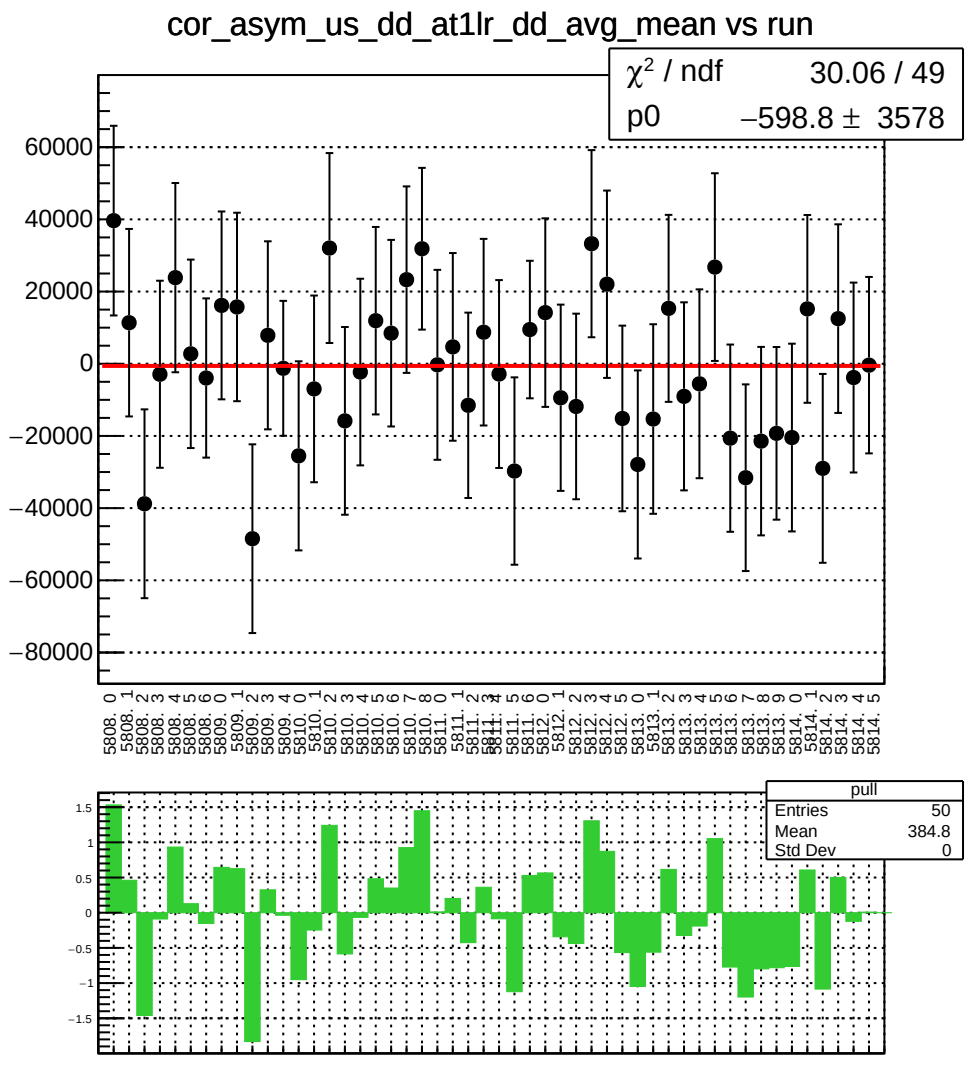
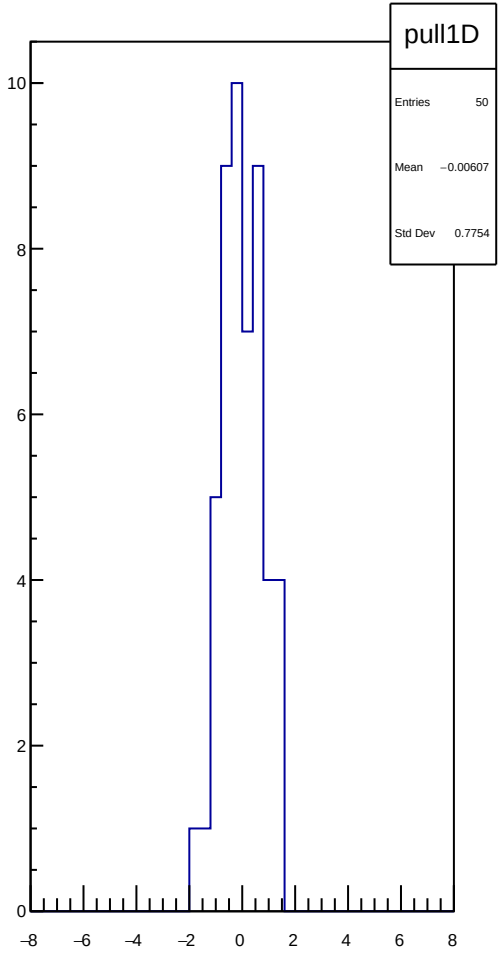
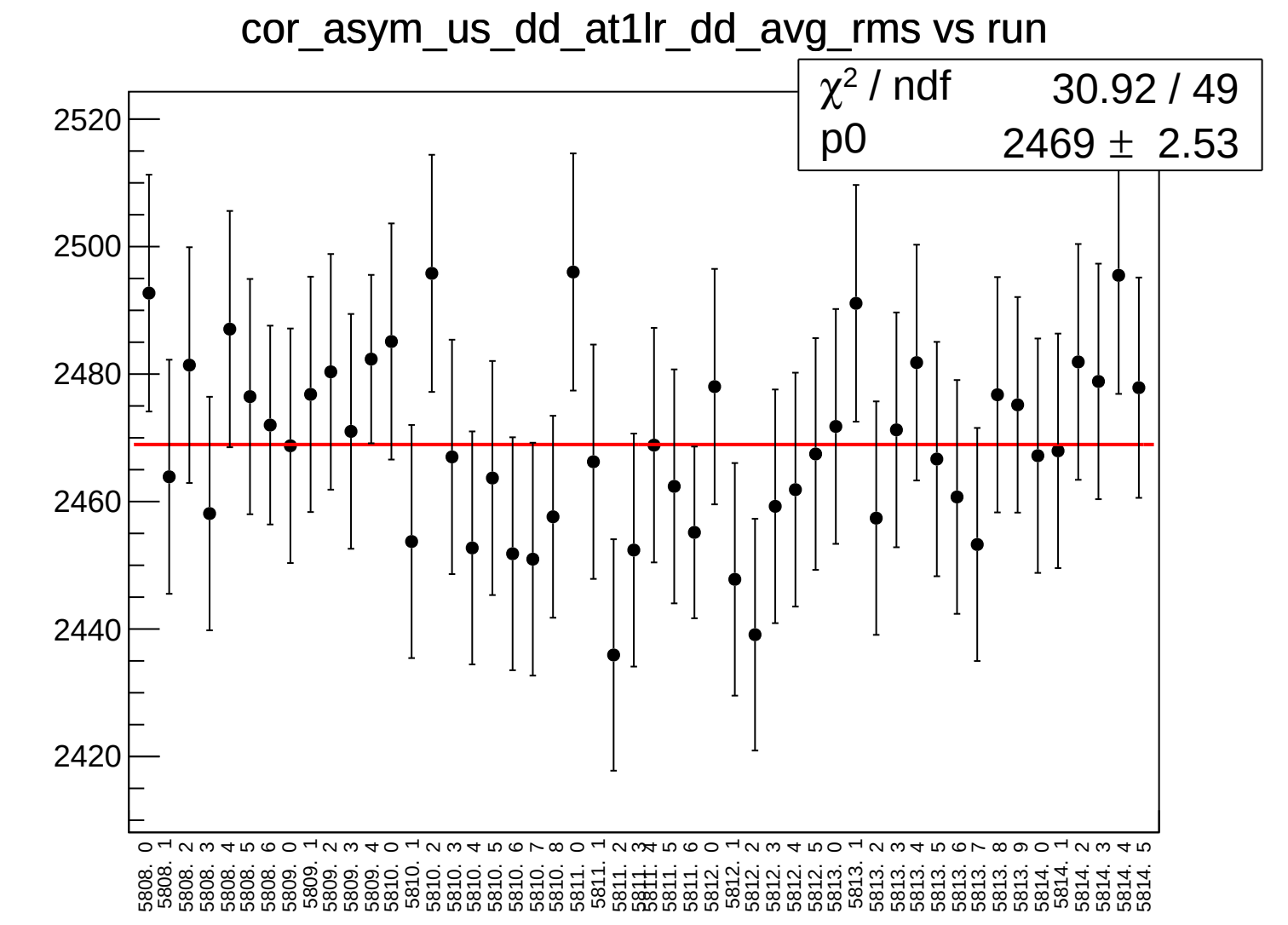
5814. 5


cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.06 / 49
p0 −598.8 ± 3578
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 384.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.00607
Std Dev 0.7754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 30.92 / 49
p0 2469 ± 2.53
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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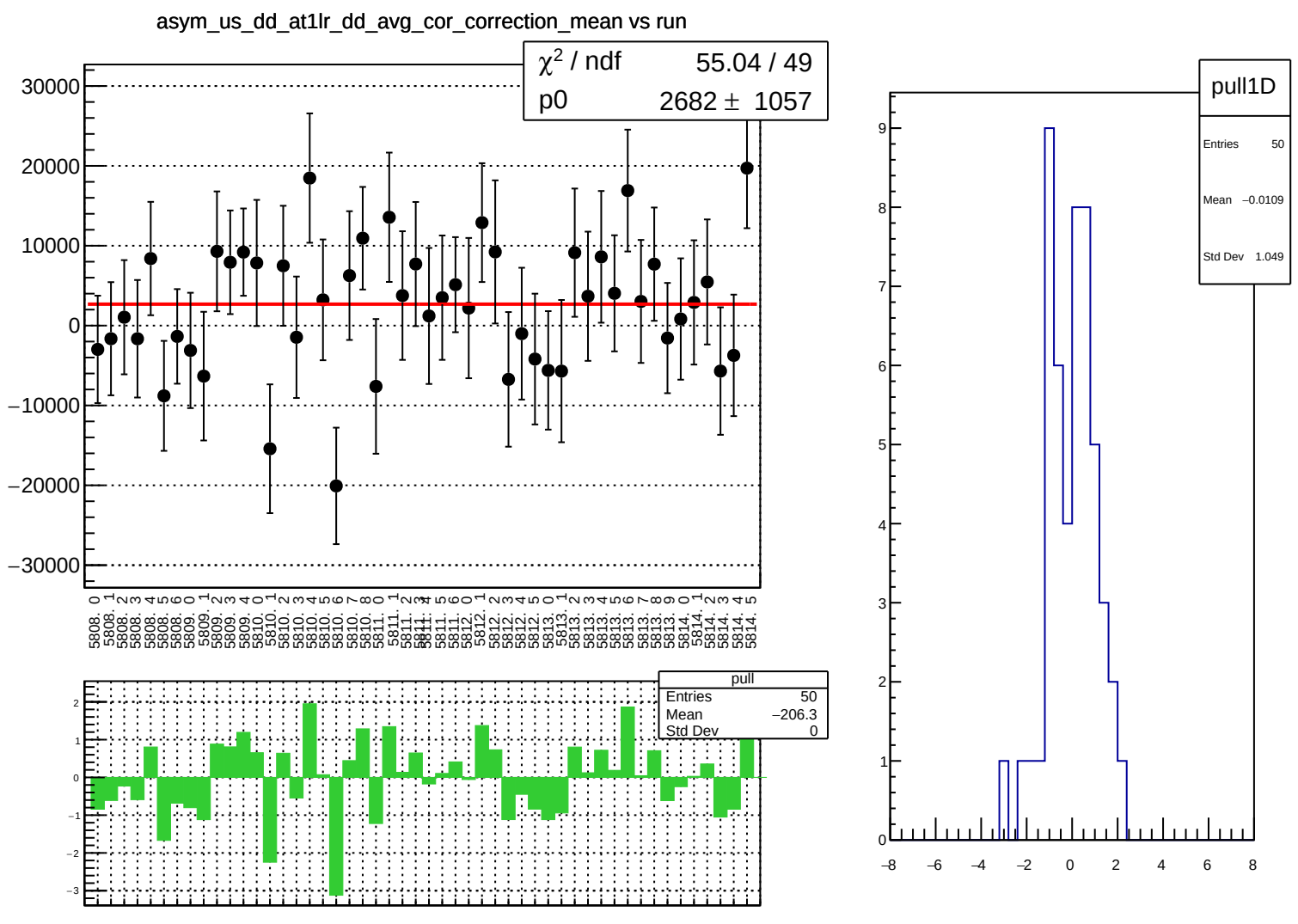
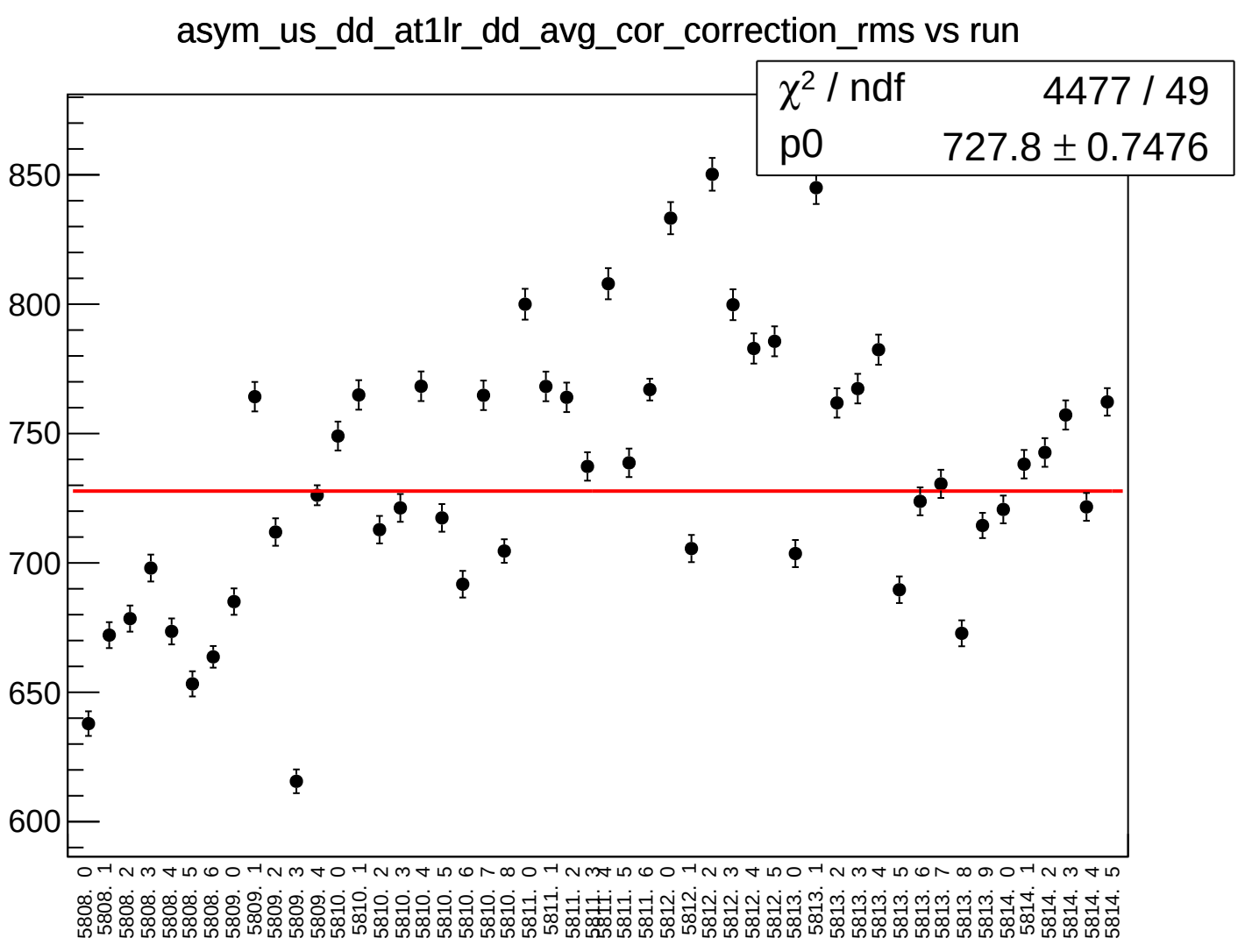

asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 55.04 / 49
p0 2682 ± 1057
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −206.3
Std Dev 0
pull1D
Entries 50
Mean −0.0109
Std Dev 1.049


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4477 / 49
p0 727.8 ± 0.7476
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
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5814. 2
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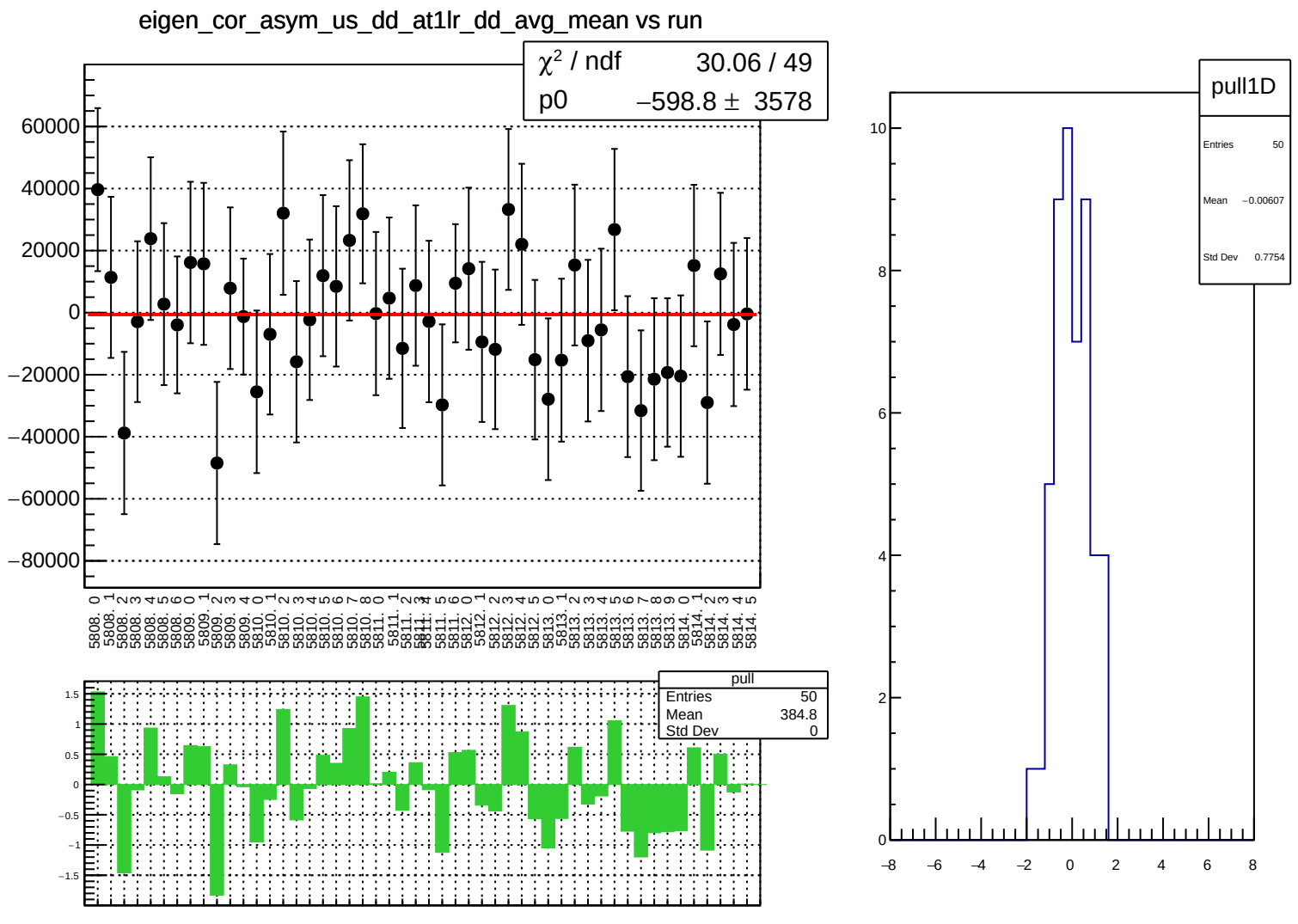
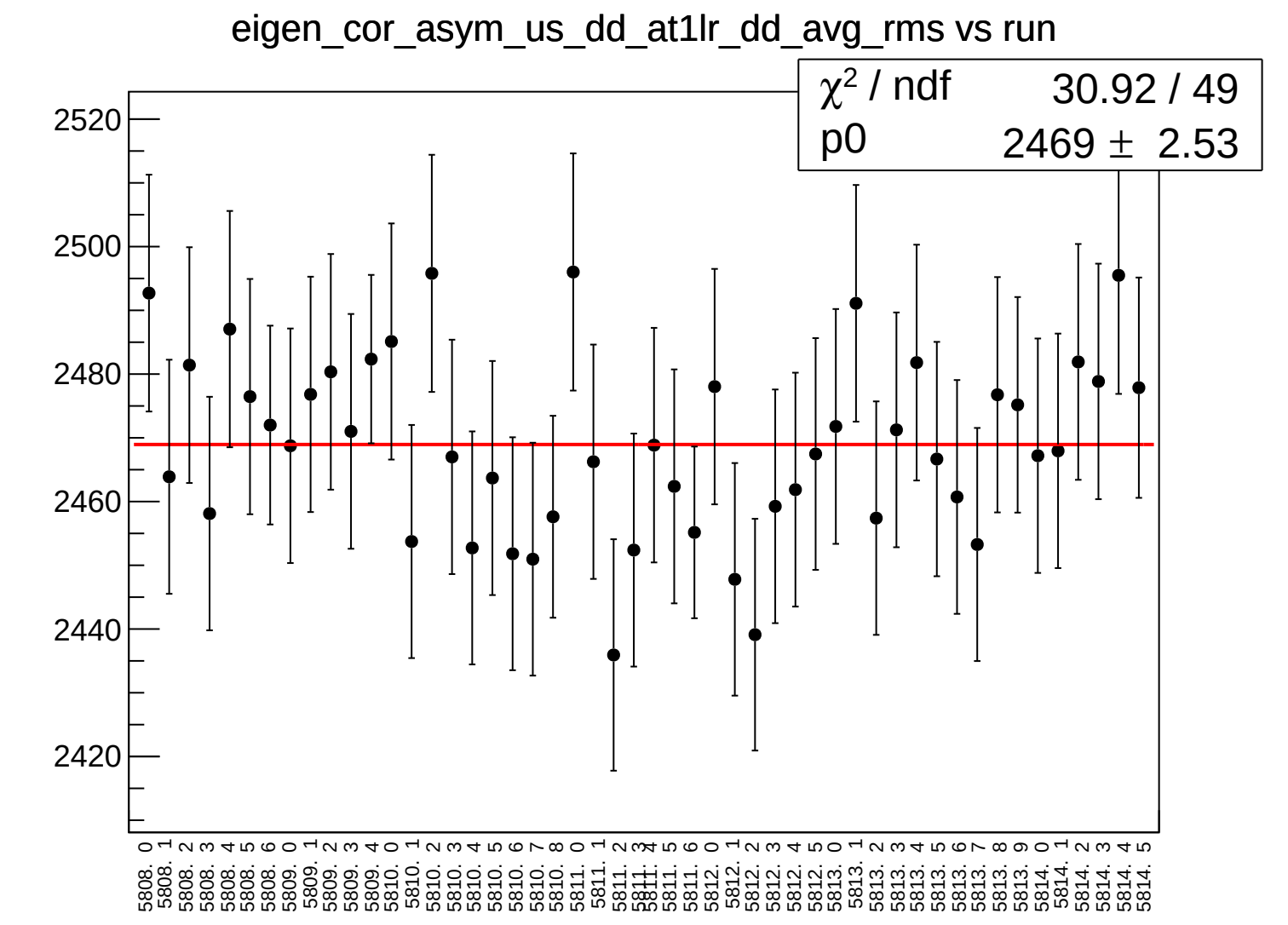
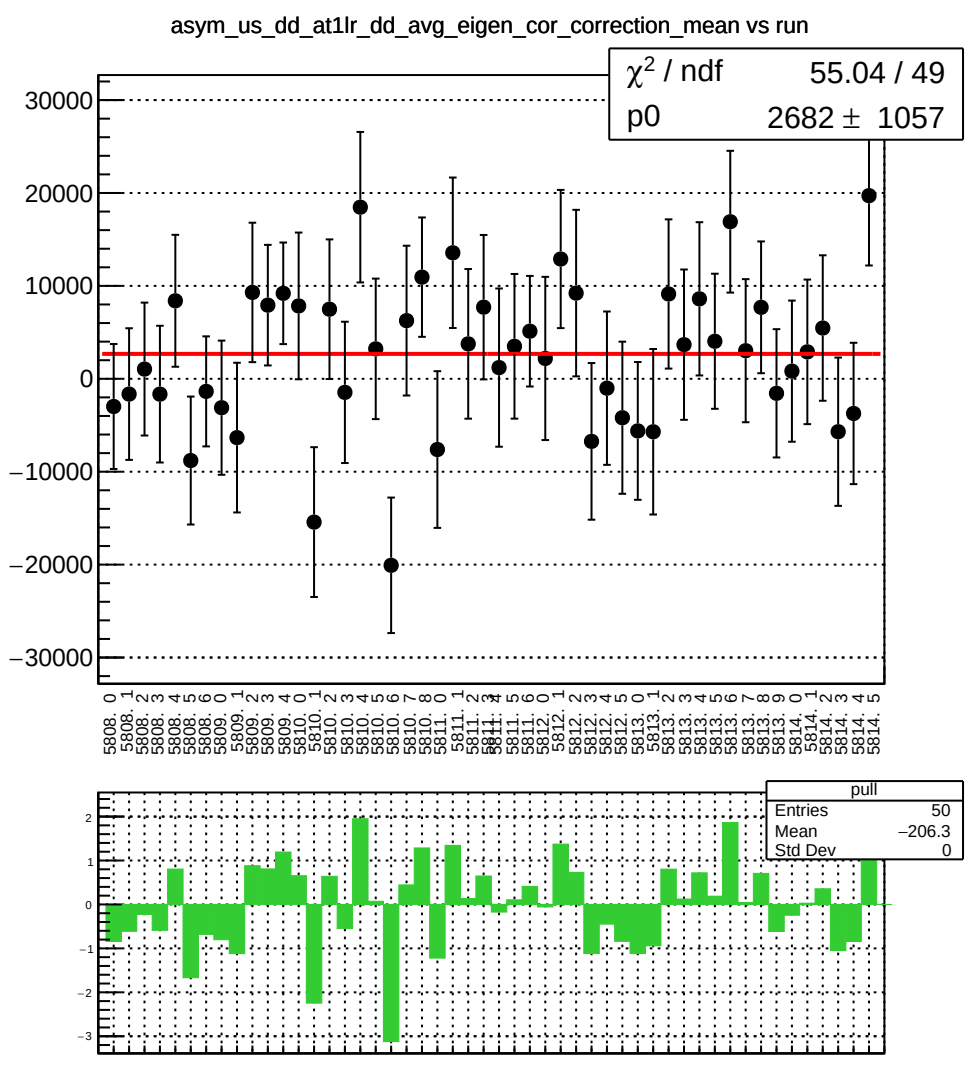
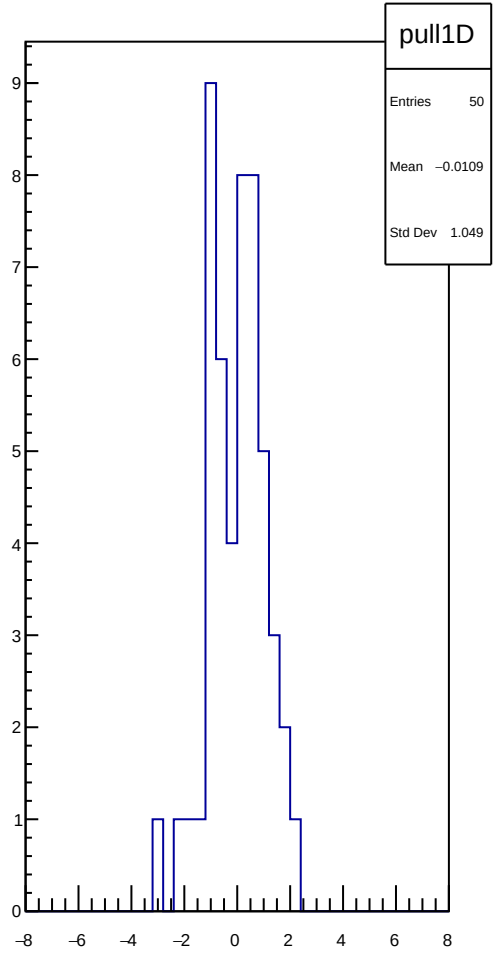
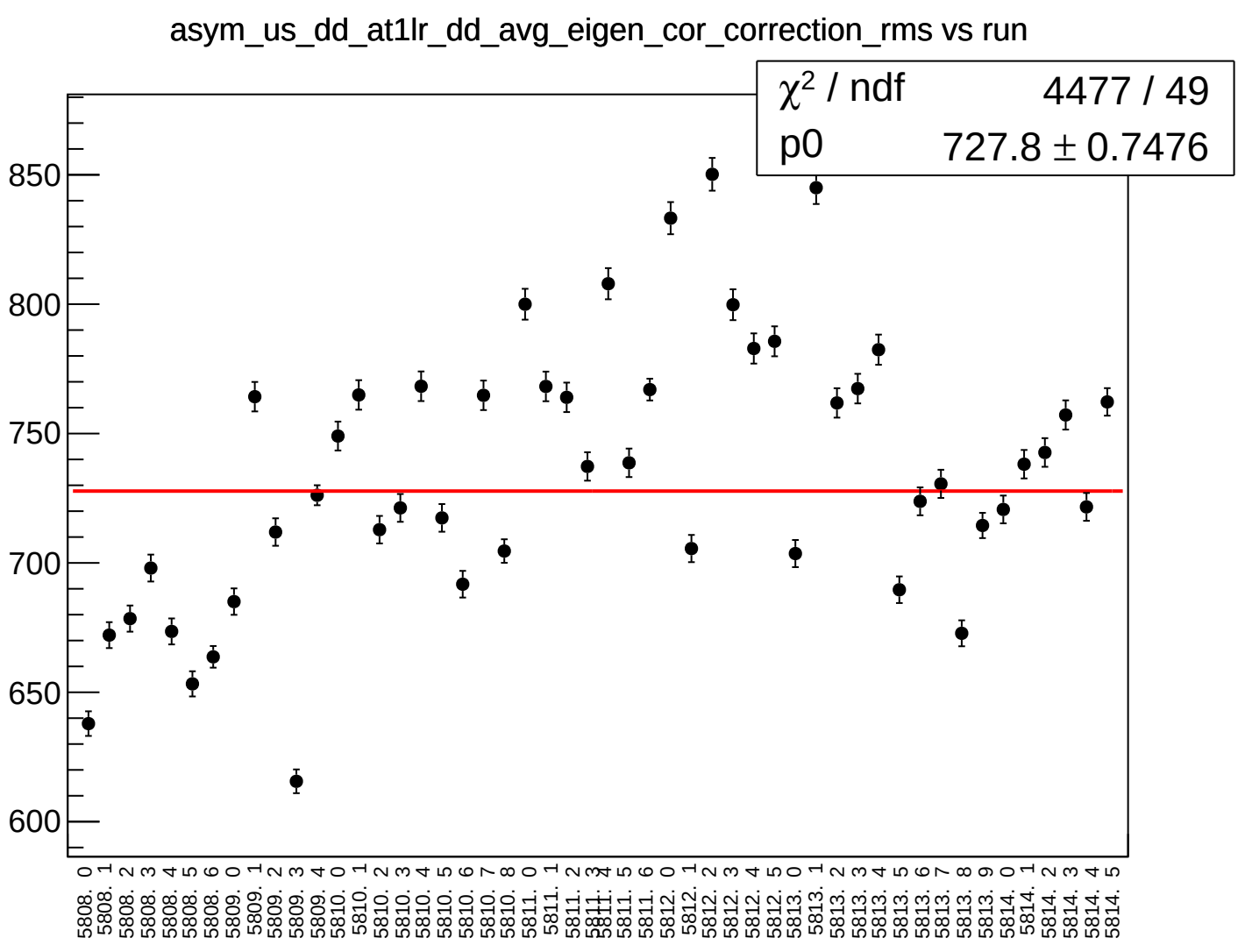
5814. 5


eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 30.06 / 49
p0 −598.8 ± 3578
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 384.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.00607
Std Dev 0.7754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 30.92 / 49
p0 2469 ± 2.53
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 55.04 / 49
p0 2682 ± 1057
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −206.3
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.0109
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4477 / 49
p0 727.8 ± 0.7476
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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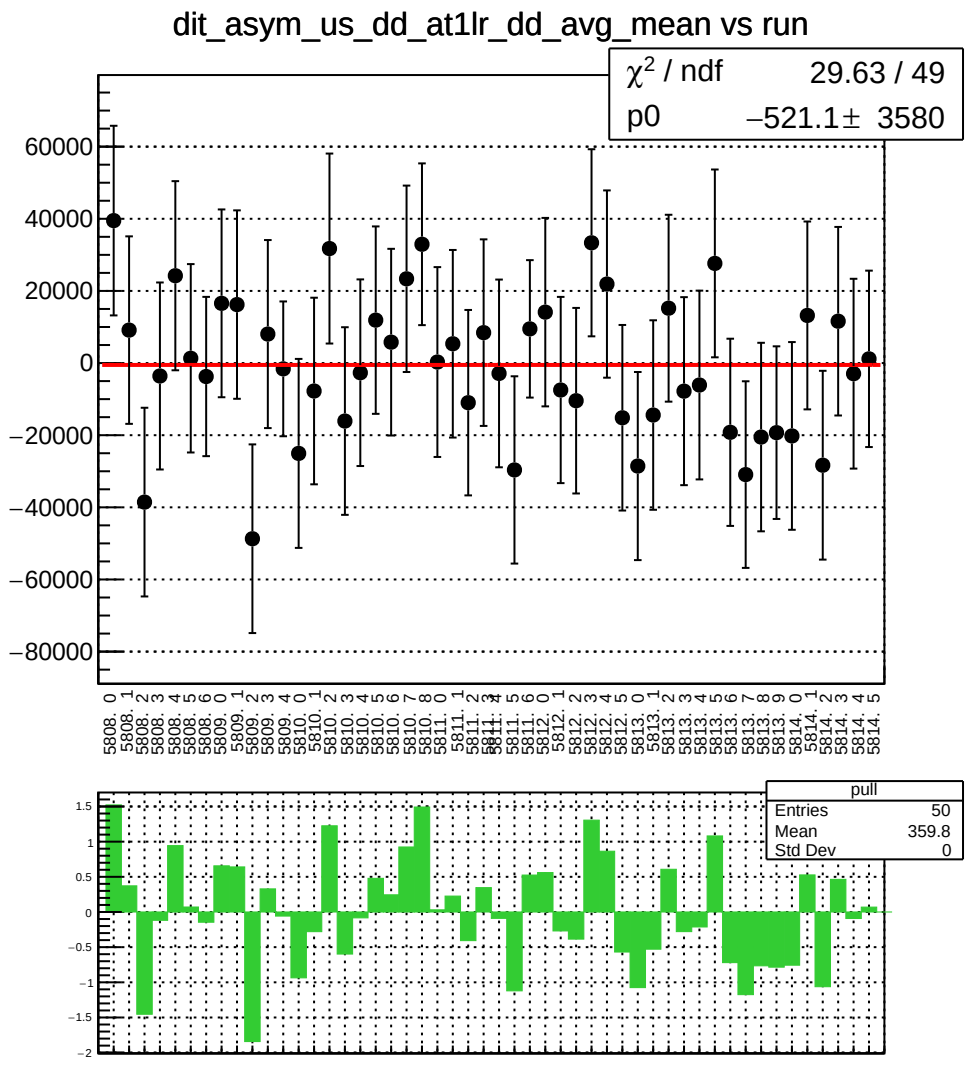
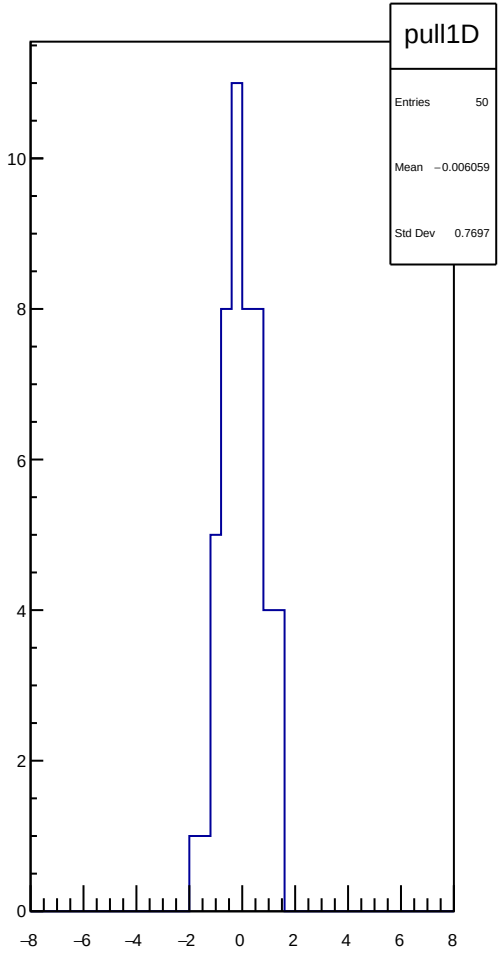
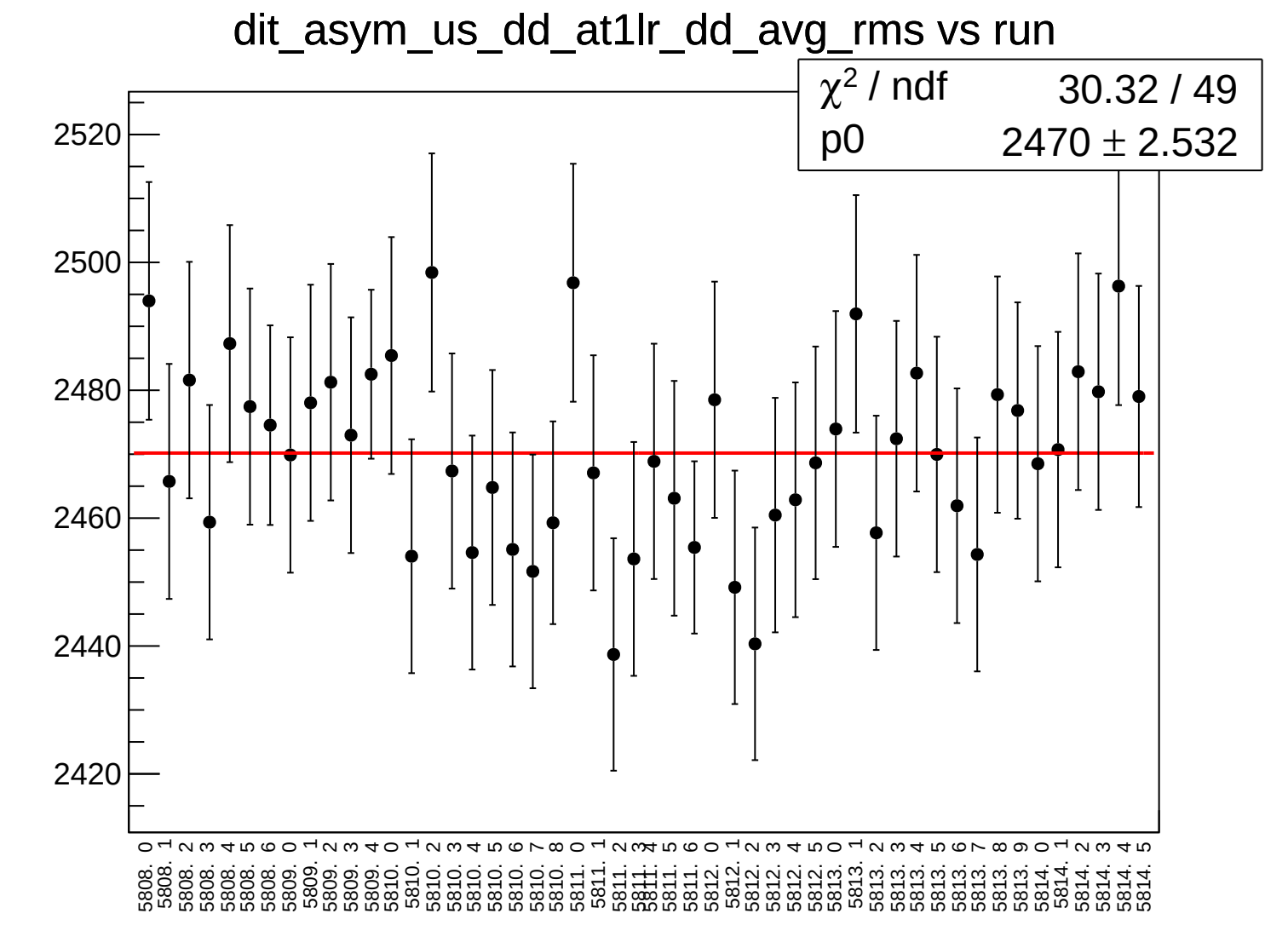
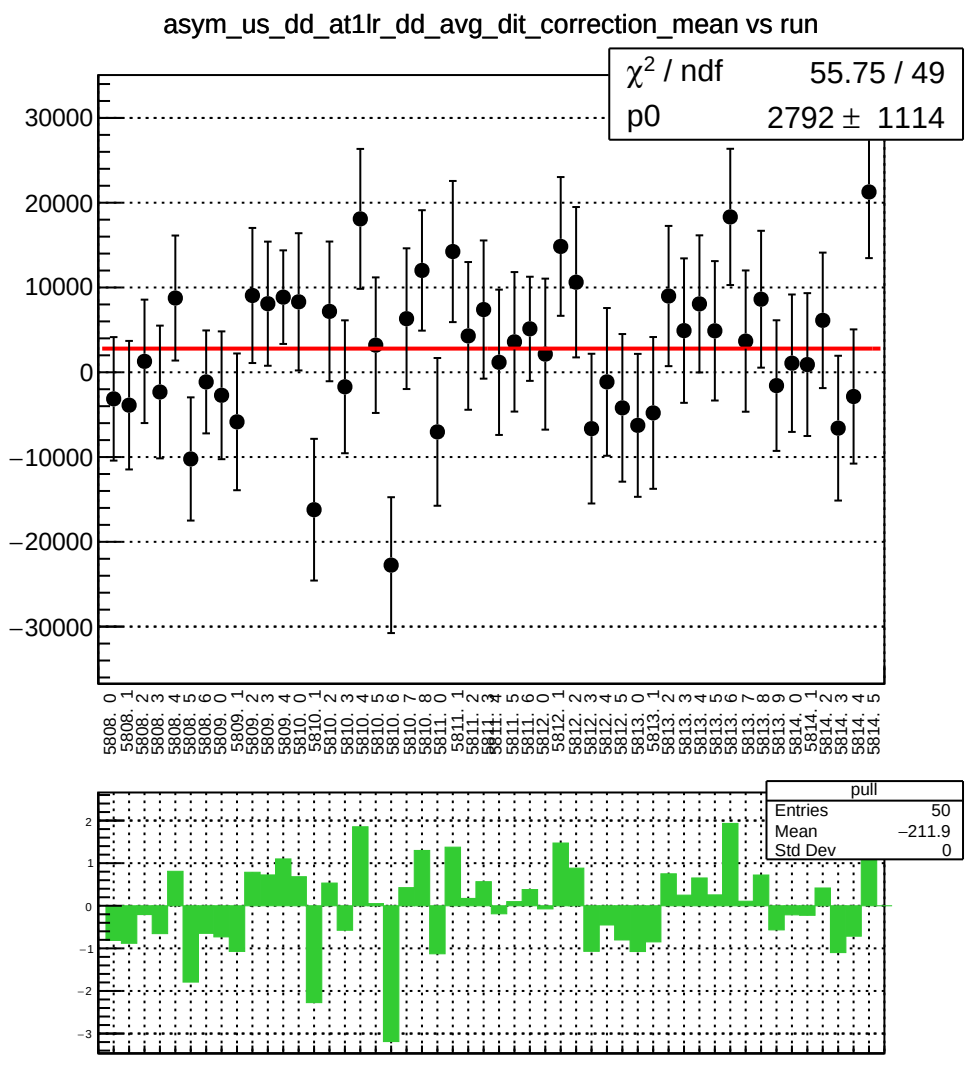
5814. 4
5814. 5


dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 29.63 / 49
p0 −521.1± 3580
pull
Entries 50
Mean 359.8
Std Dev 0


pull1D
Entries 50
Mean −0.006059
Std Dev 0.7697


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 30.32 / 49
p0 2470 ± 2.532
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 55.75 / 49
p0 2792 ± 1114
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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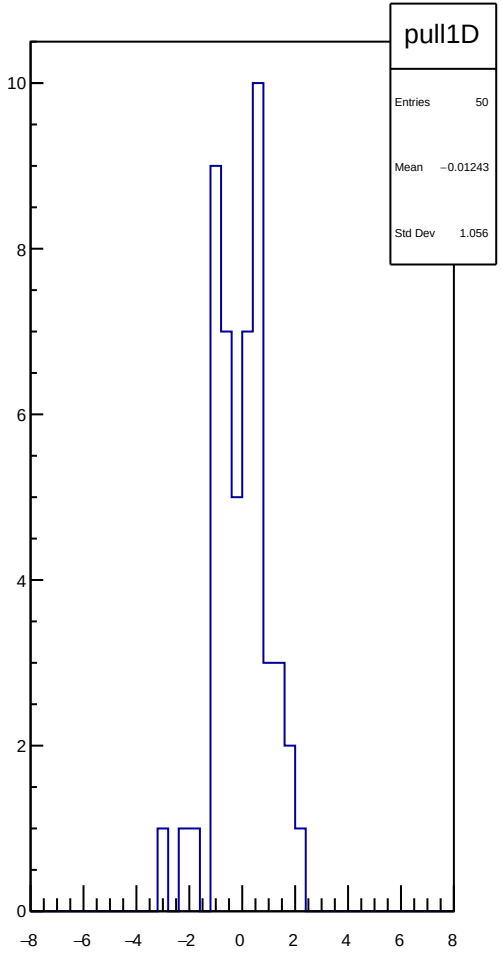
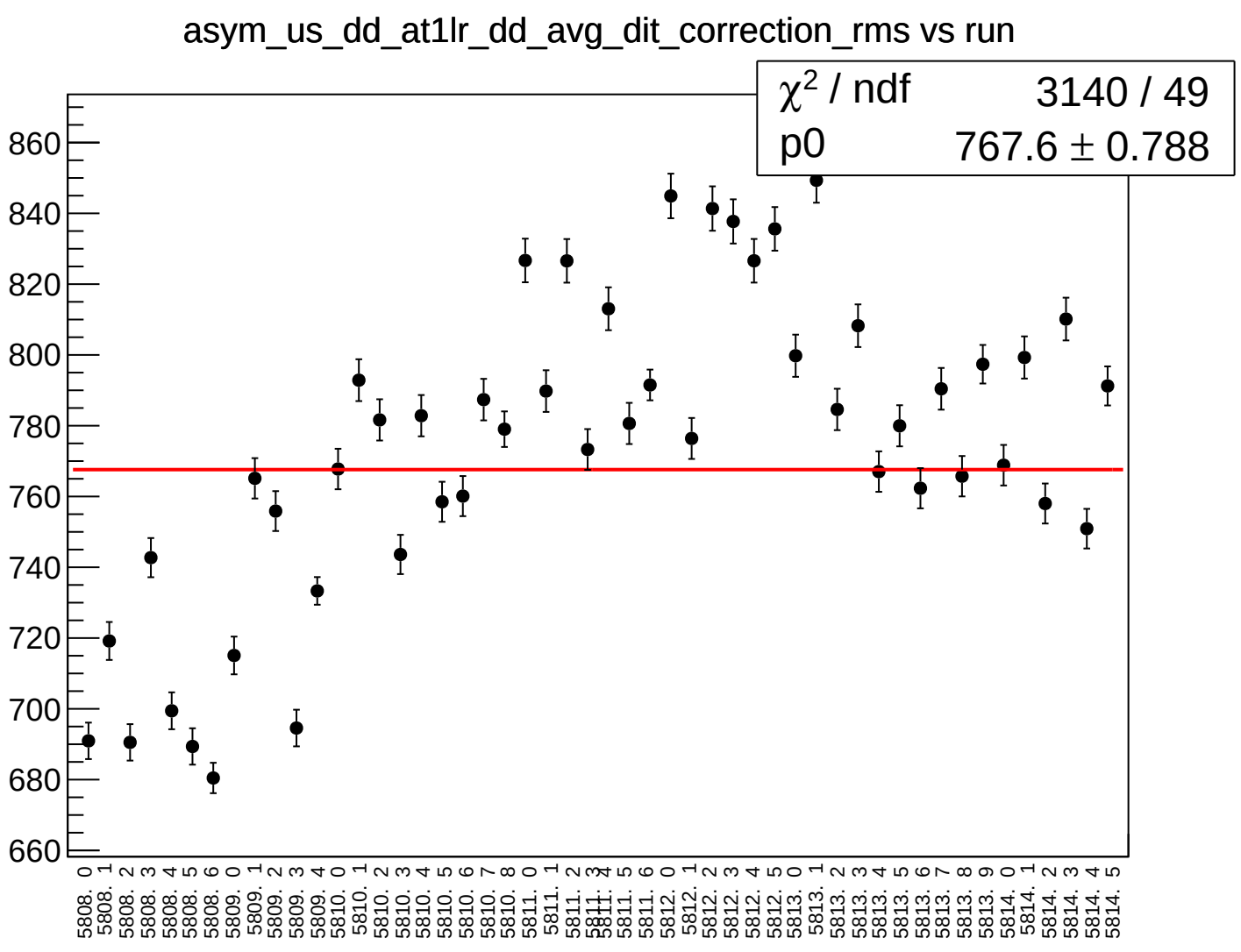
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −211.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01243
Std Dev 1.056
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3140 / 49
p0 767.6 ± 0.788
860
840
820
800
780
760
740
720
700
680
660
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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5814. 2
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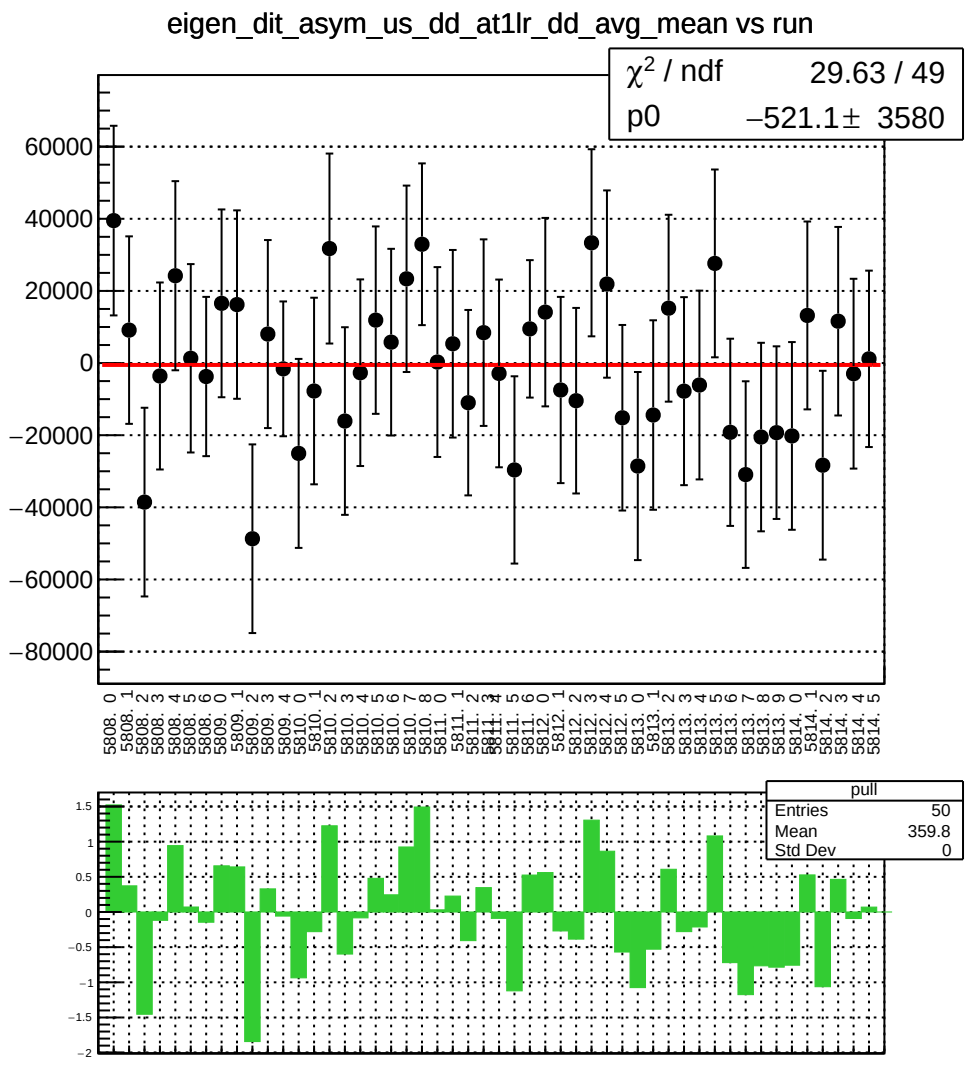
5814. 5


eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 29.63 / 49
p0 −521.1± 3580
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 359.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.006059
Std Dev 0.7697
10
8
6
4
2
0
−8
−6
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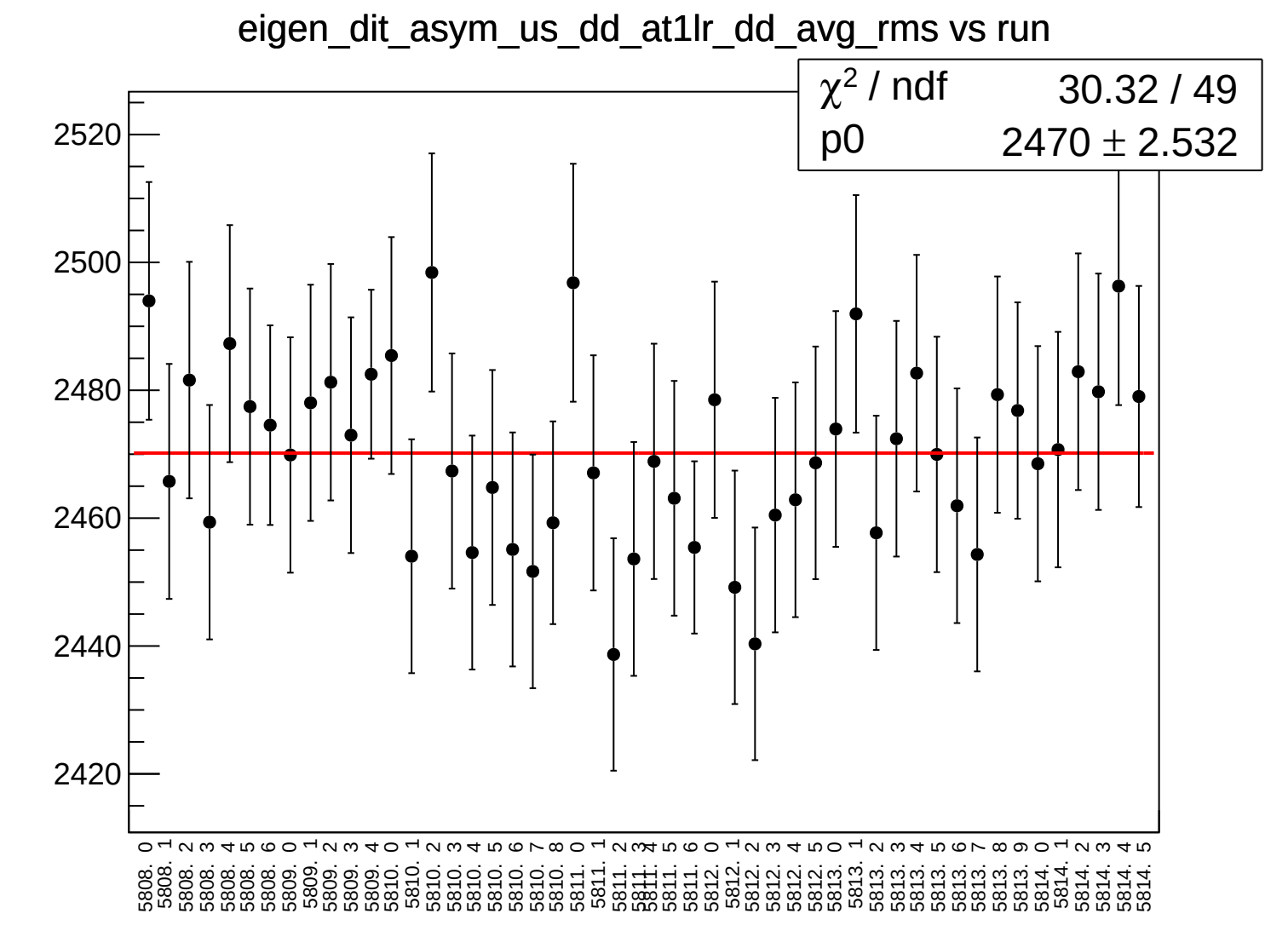
2
4
6
8


eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 30.32 / 49
p0 2470 ± 2.532
2520
2500
2480
2460
2440
2420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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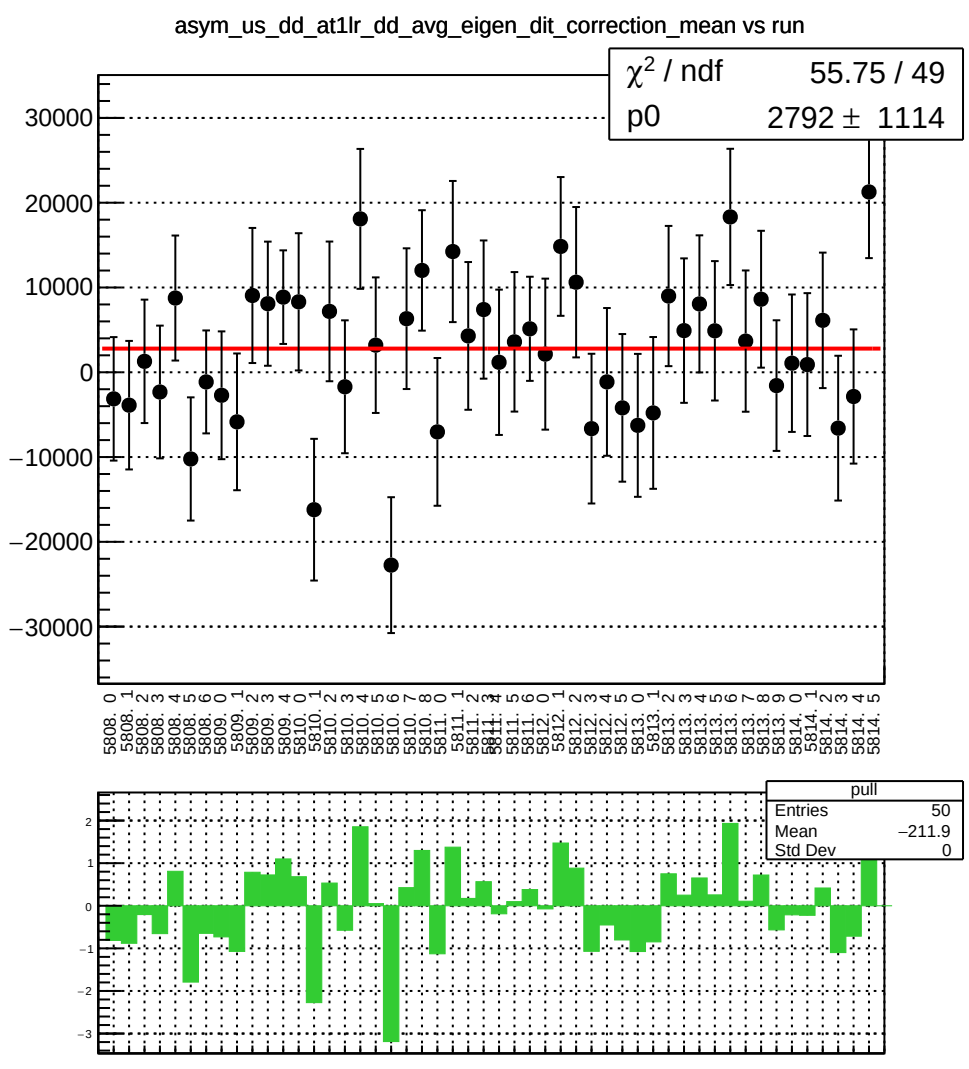
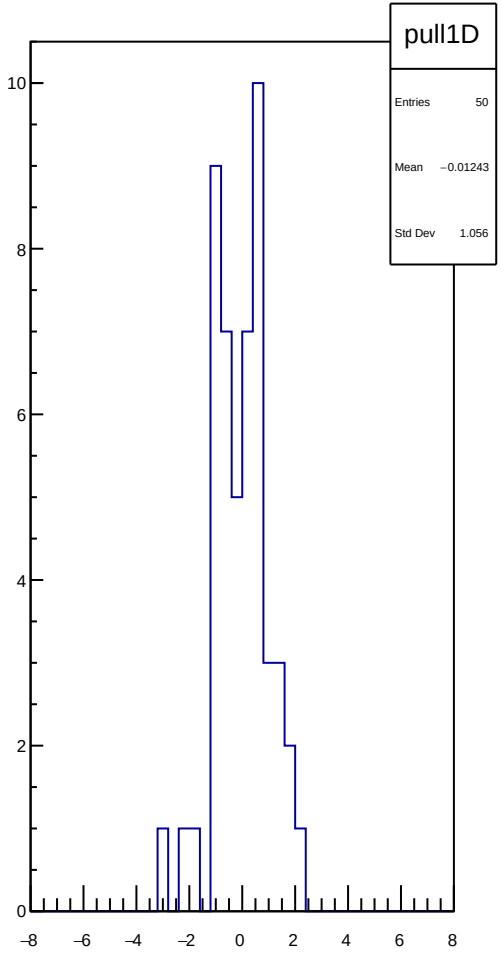
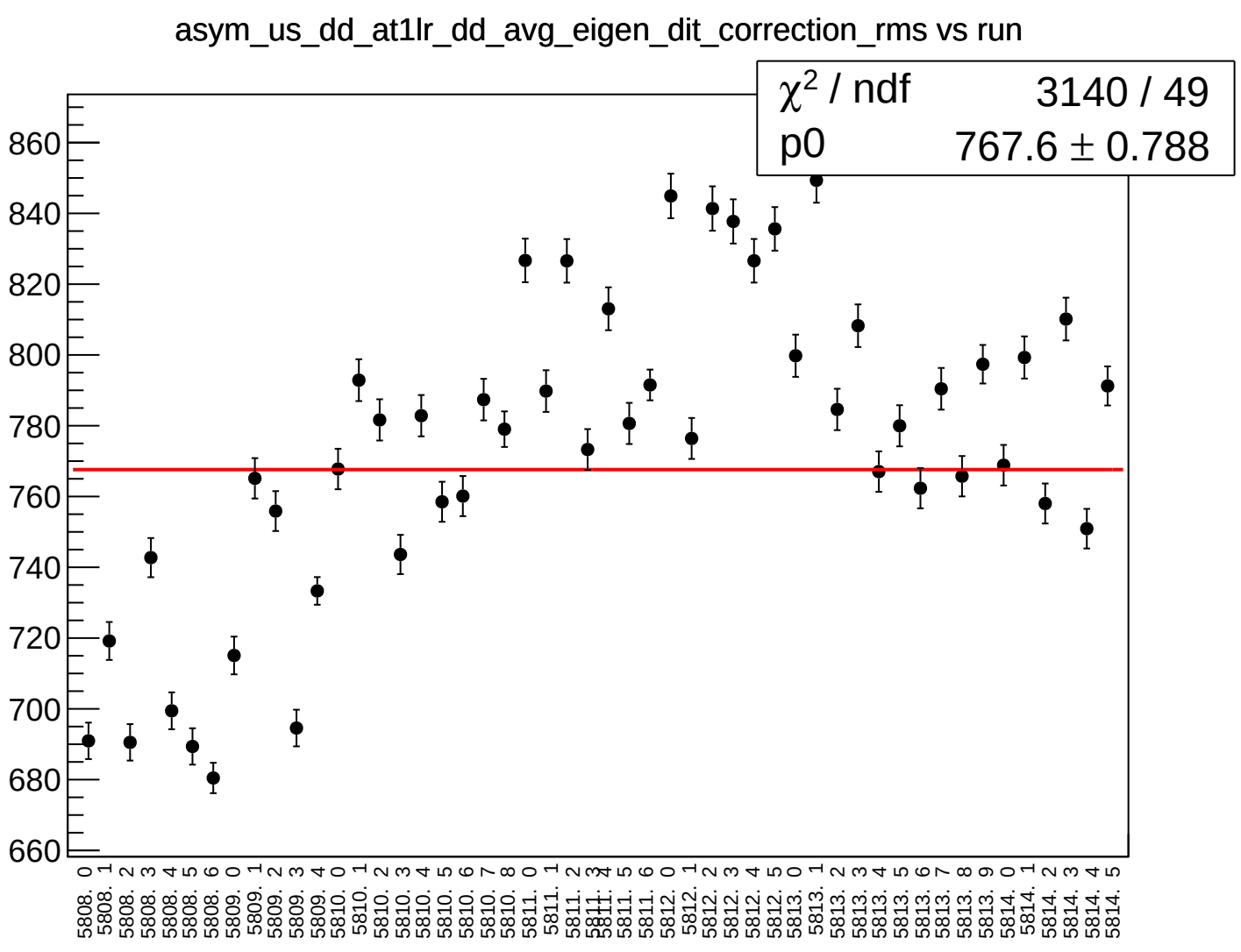

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.75 / 49
p0 2792 ± 1114
pull
Entries 50
Mean −211.9
Std Dev 0


pull1D
Entries 50
Mean −0.01243
Std Dev 1.056


asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3140 / 49
p0 767.6 ± 0.788
860
840
820
800
780
760
740
720
700
680
660
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
5813. 6
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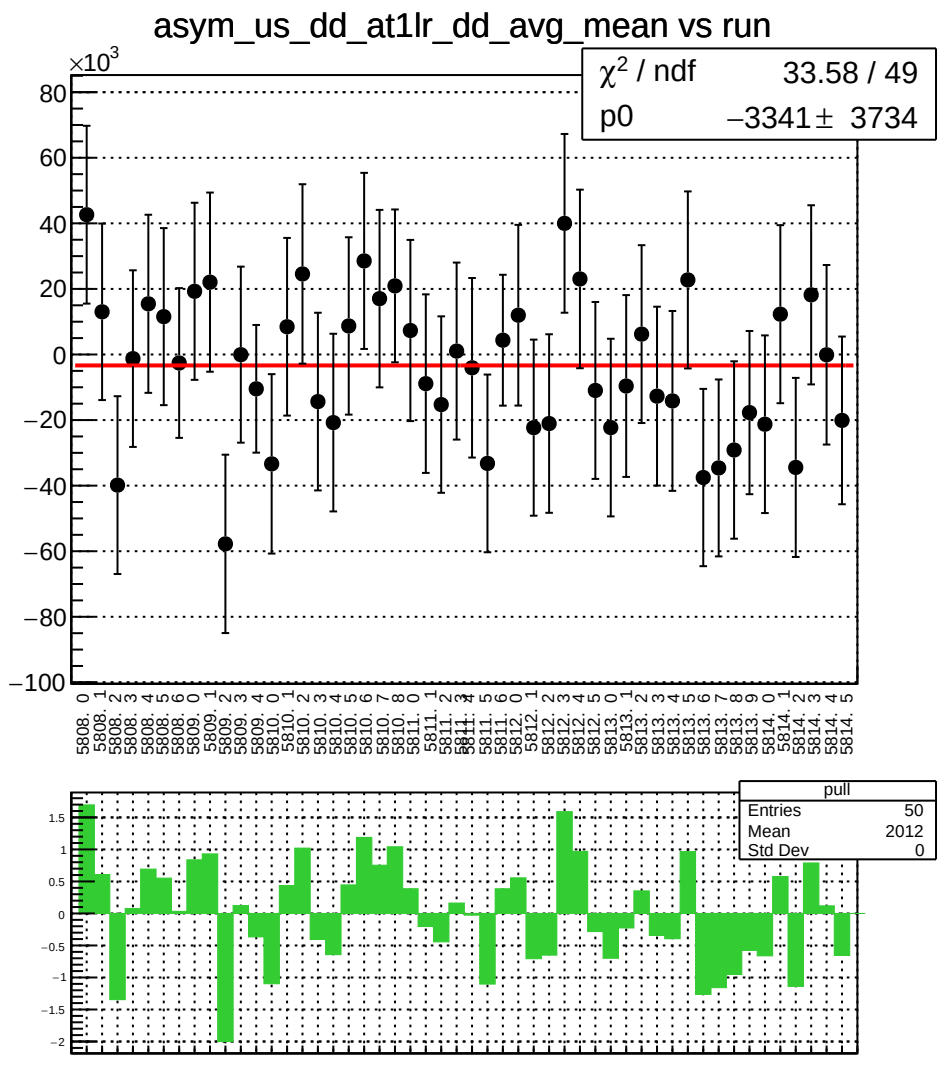
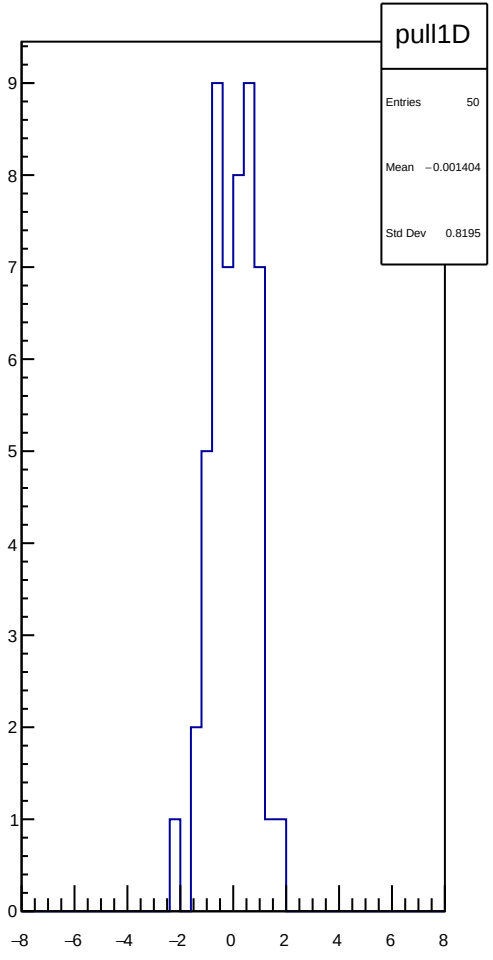
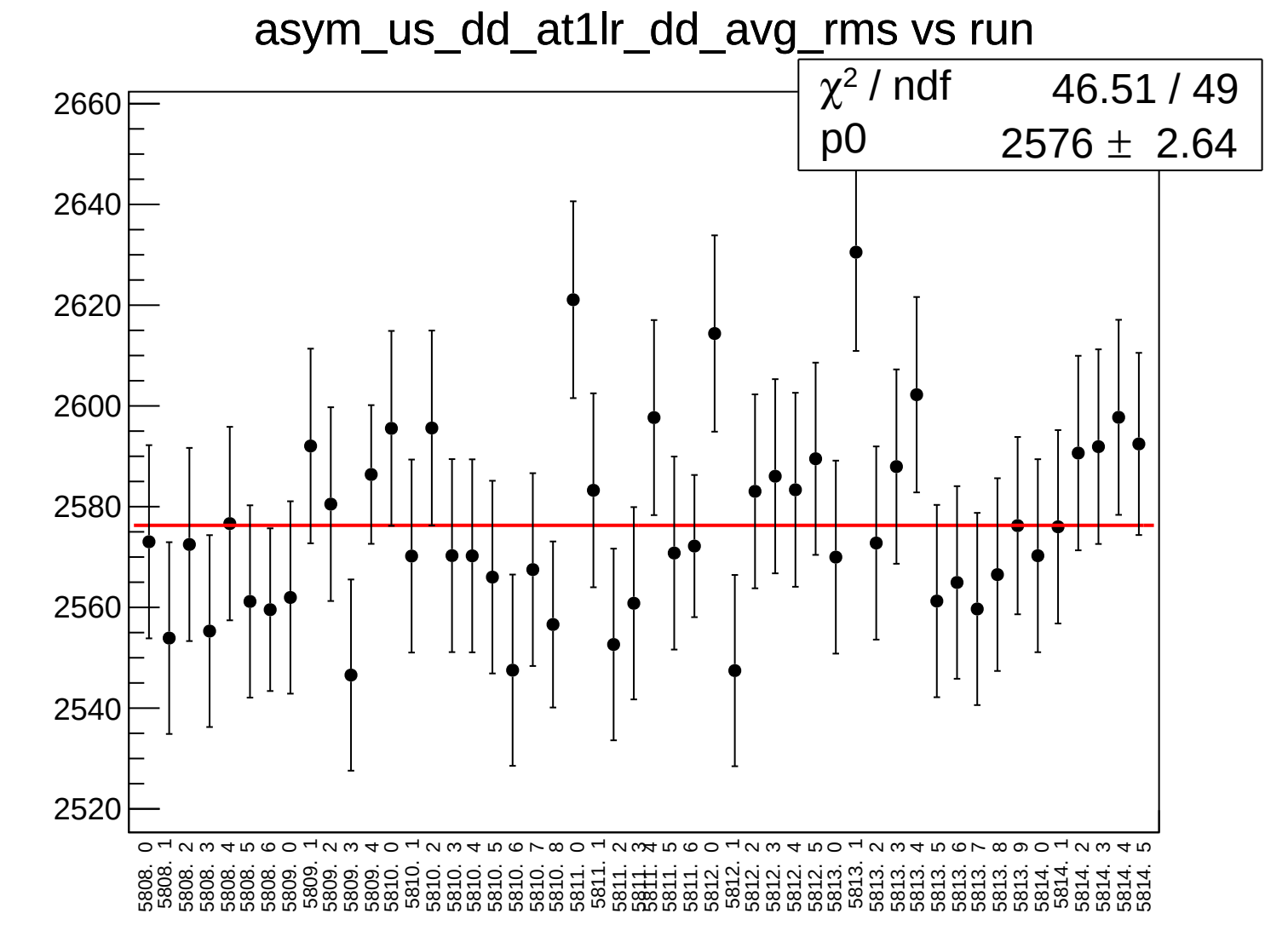
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 33.58 / 49
p0 −3341 ± 3734
pull
Entries 50
Mean 2012
Std Dev 0


pull1D
Entries 50
Mean −0.001404
Std Dev 0.8195


asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 46.51 / 49
p0 2576 ± 2.64
2660
2640
2620
2600
2580
2560
2540
2520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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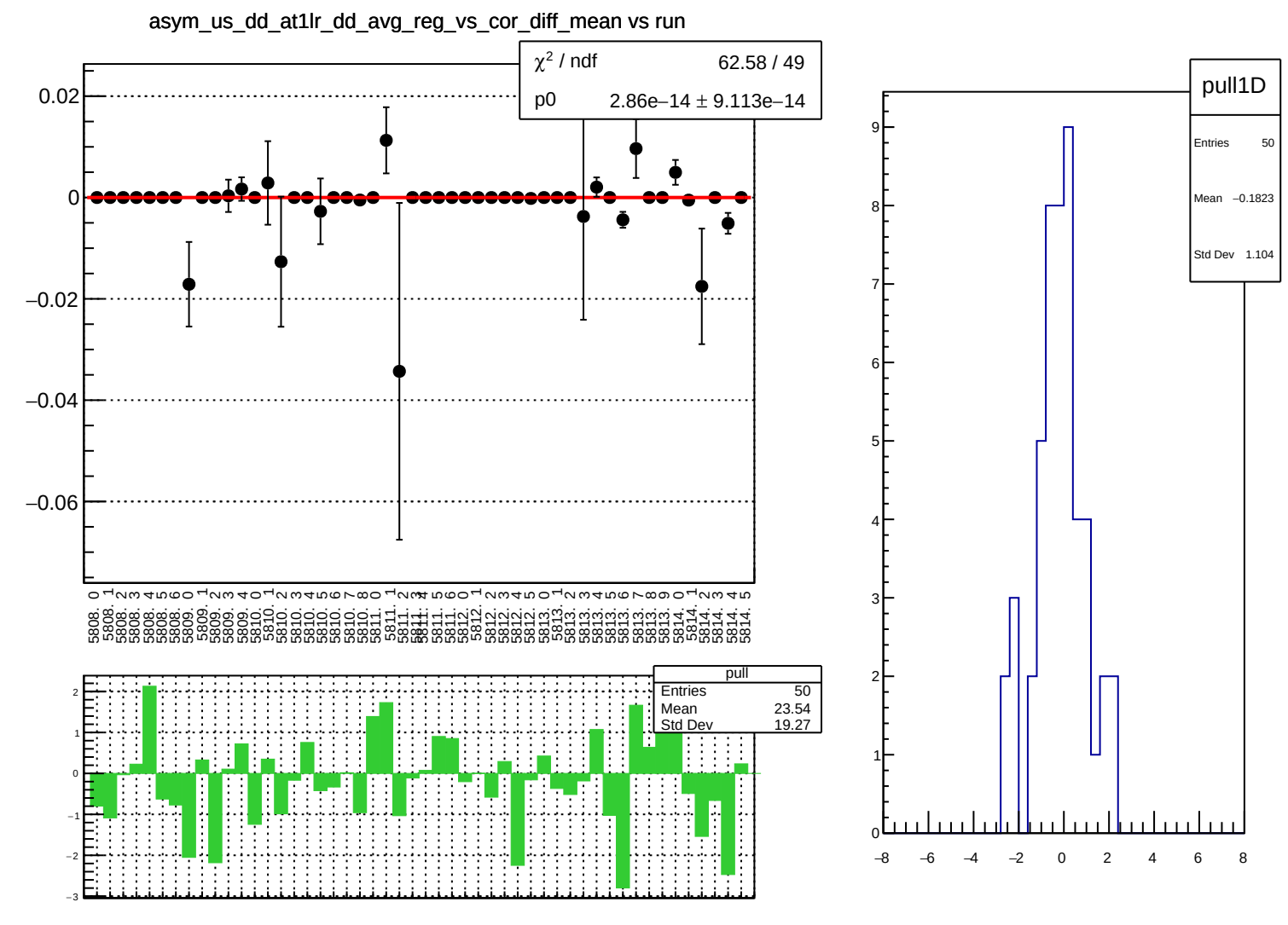
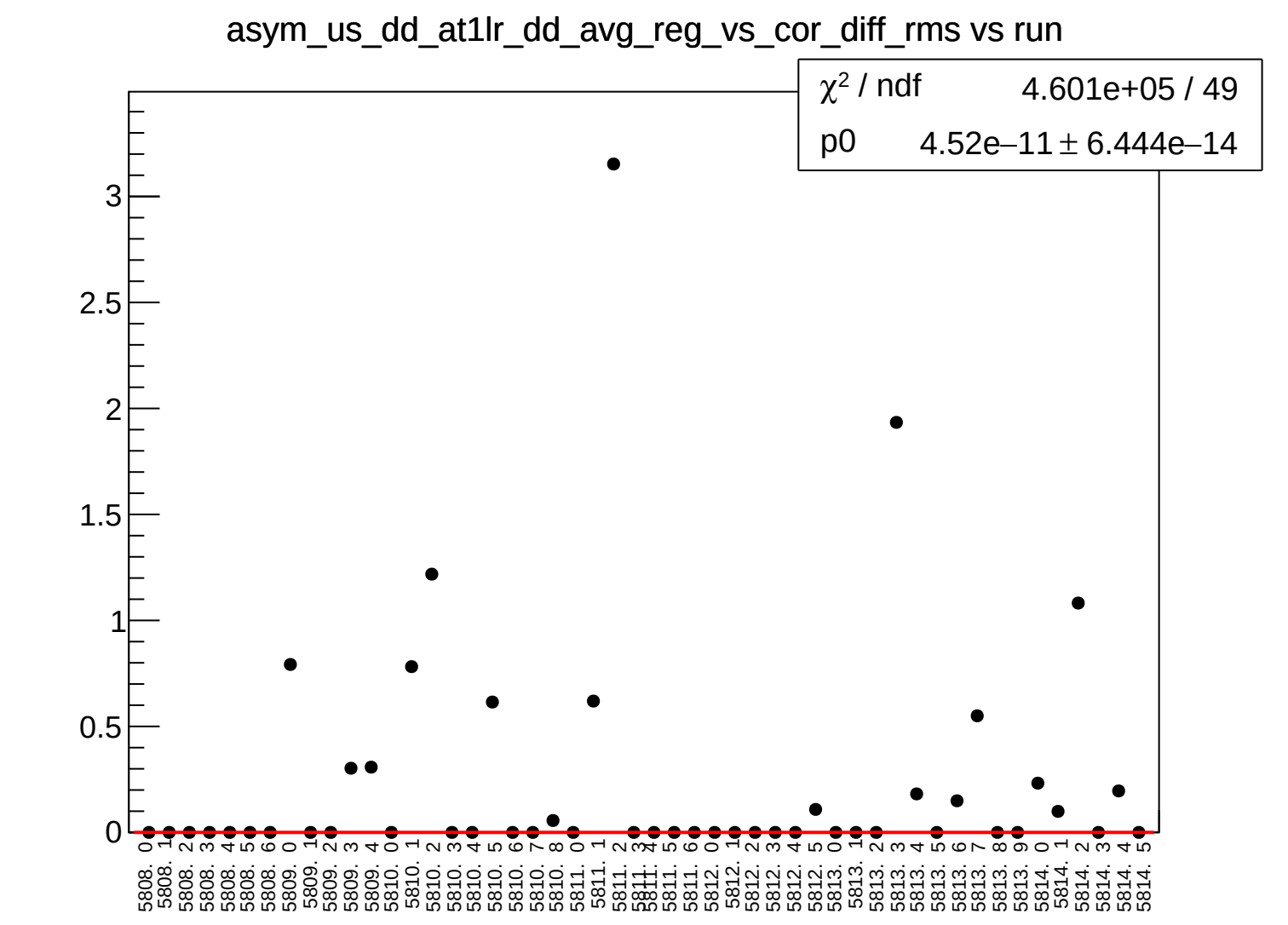
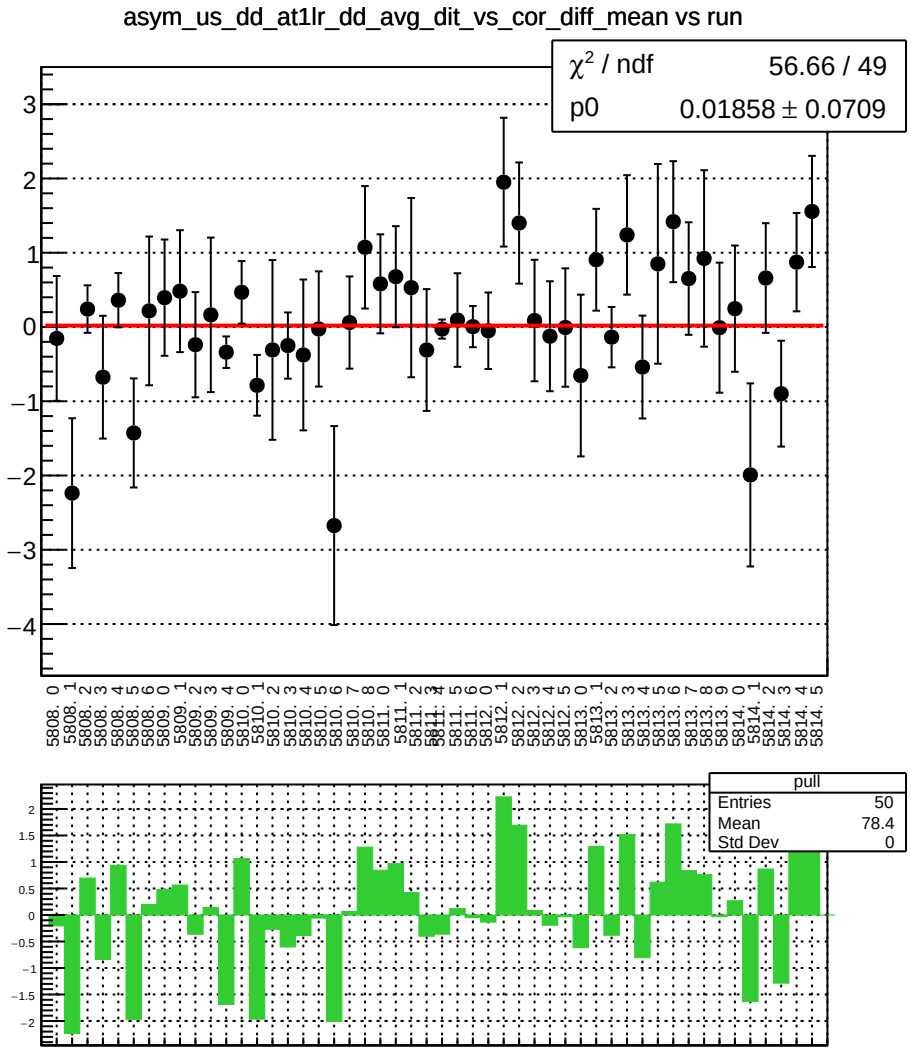
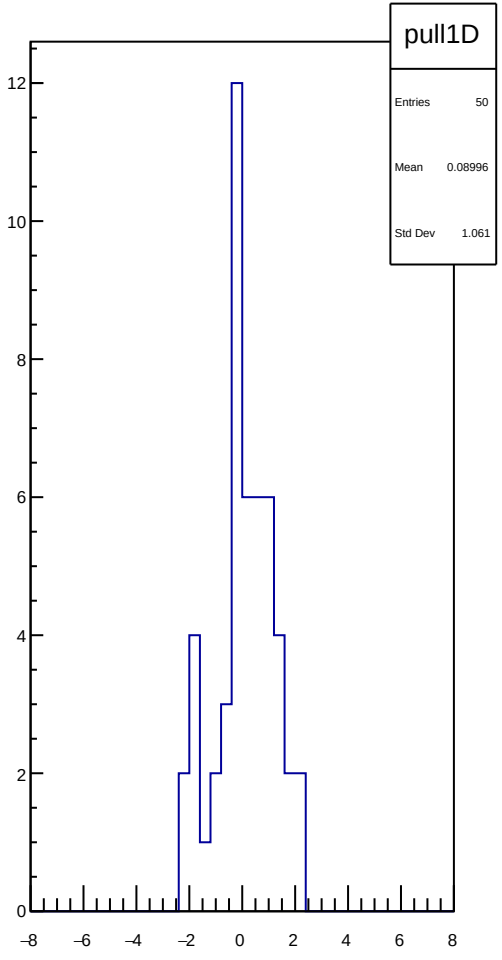
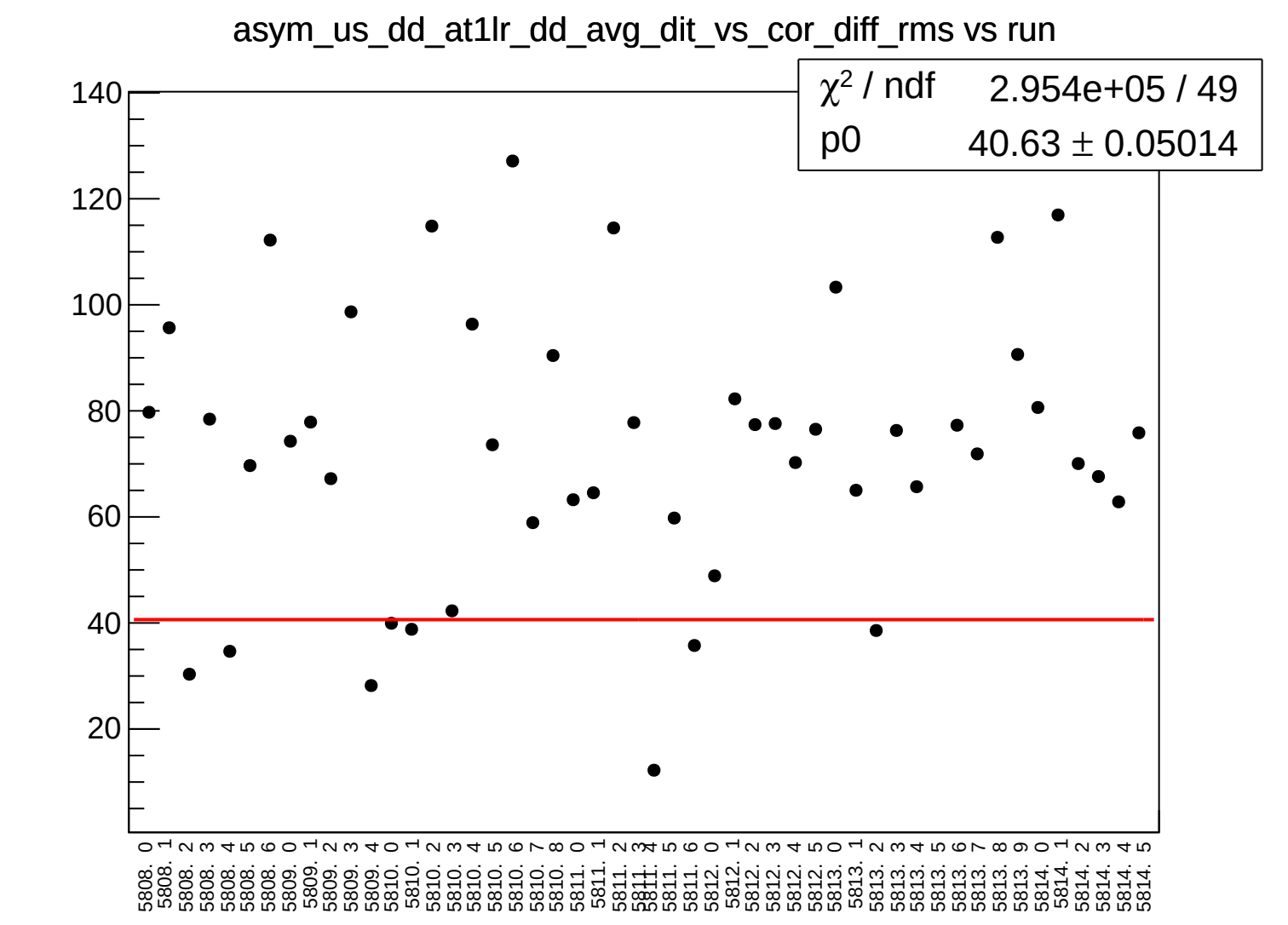
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

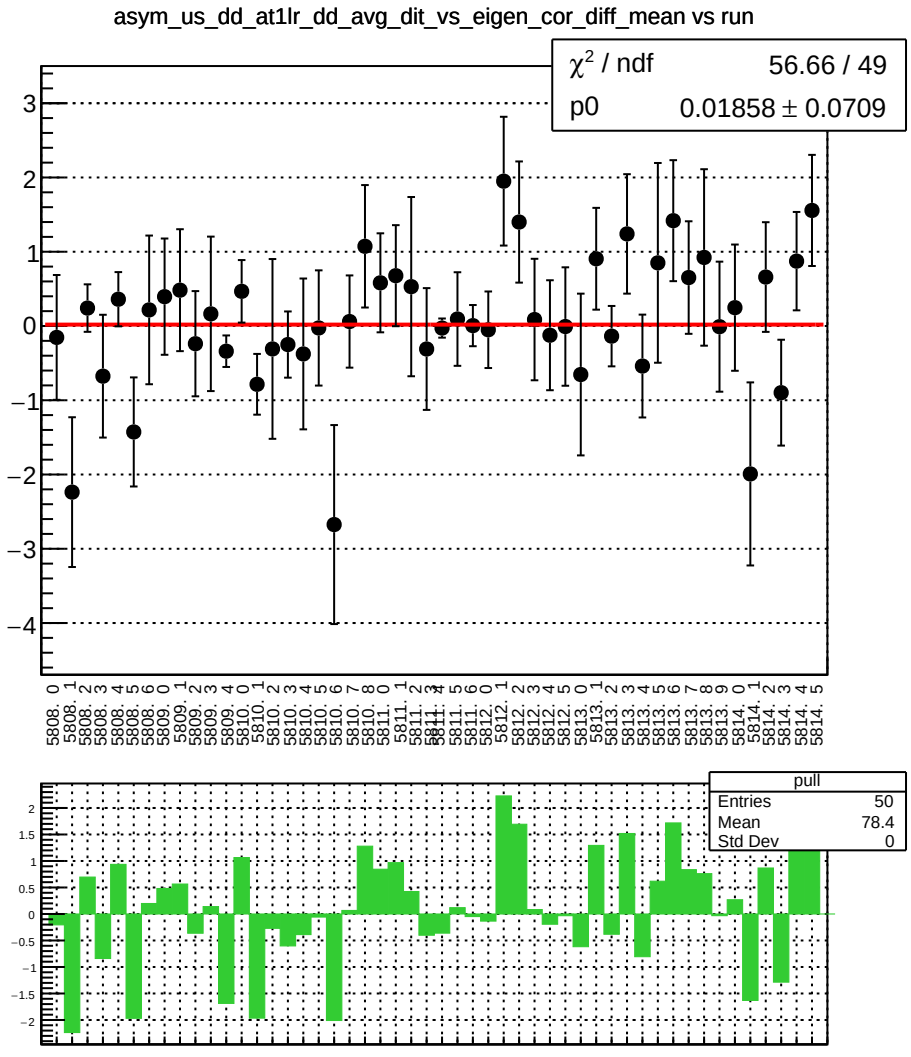

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.58 / 49
p0 2.86e−14 ± 9.113e−14
0.02
0
−0.02
−0.04
−0.06
pull
Entries 50
Mean 23.54
Std Dev 19.27
pull1D
Entries 50
Mean −0.1823
Std Dev 1.104

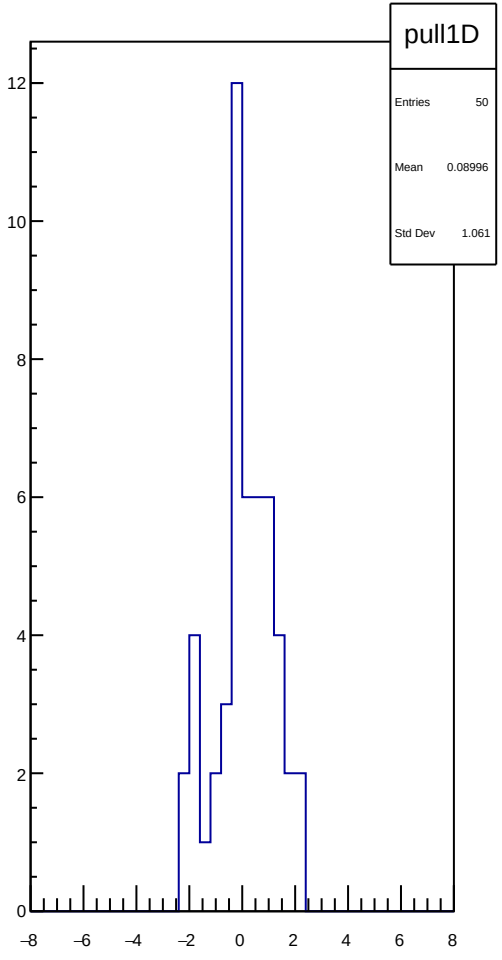

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.601e+05 / 49
p0 4.52e−11 ± 6.444e−14
3
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

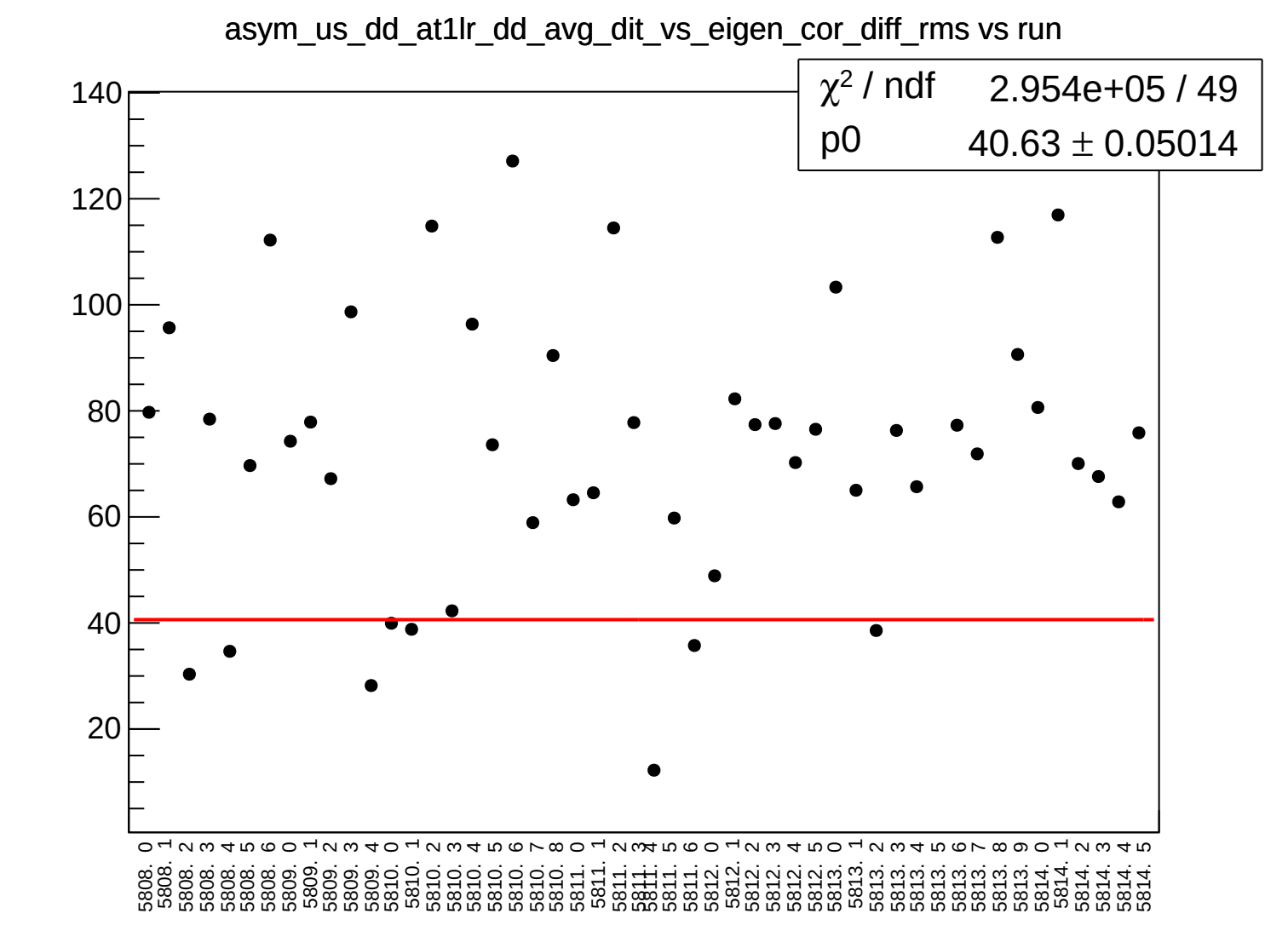

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.66 / 49
p0 0.01858 ± 0.0709
pull
Entries 50
Mean 78.4
Std Dev 0

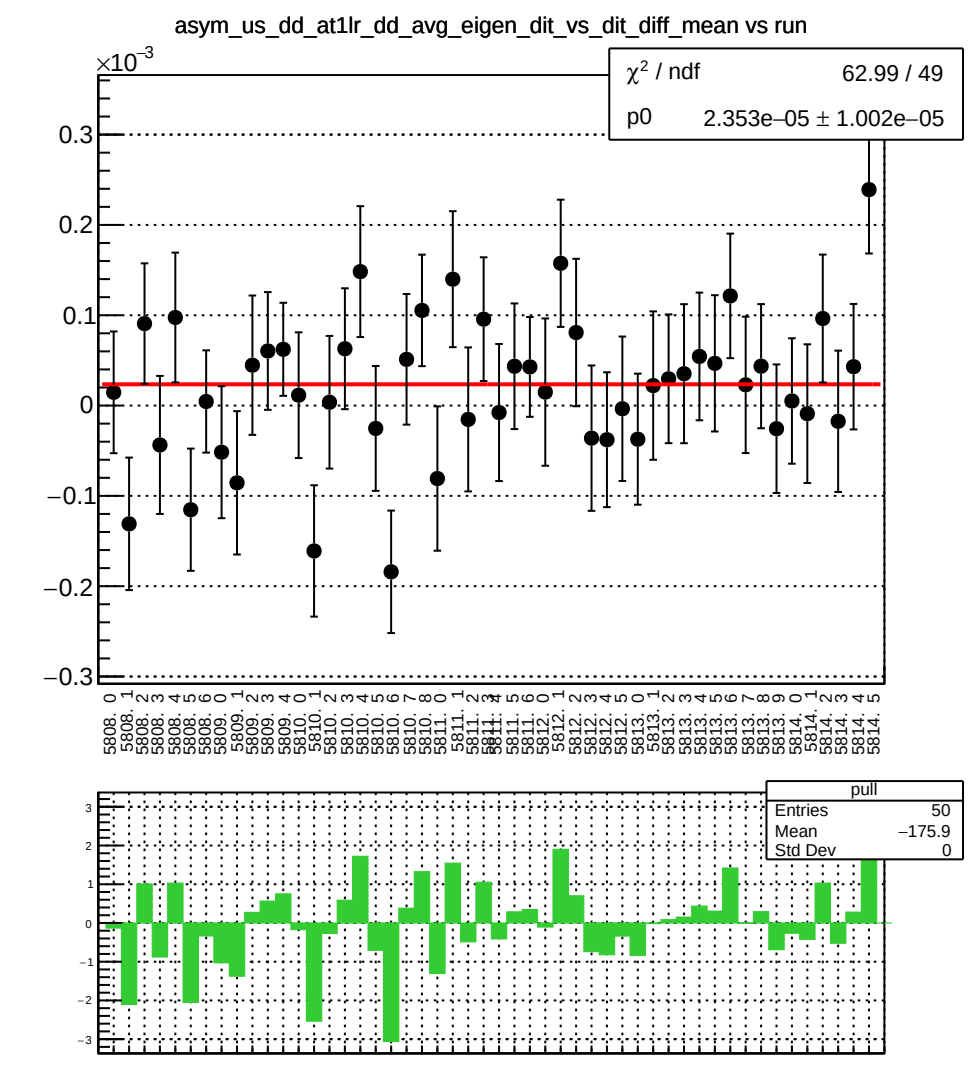

pull1D
Entries 50
Mean 0.08996
Std Dev 1.061

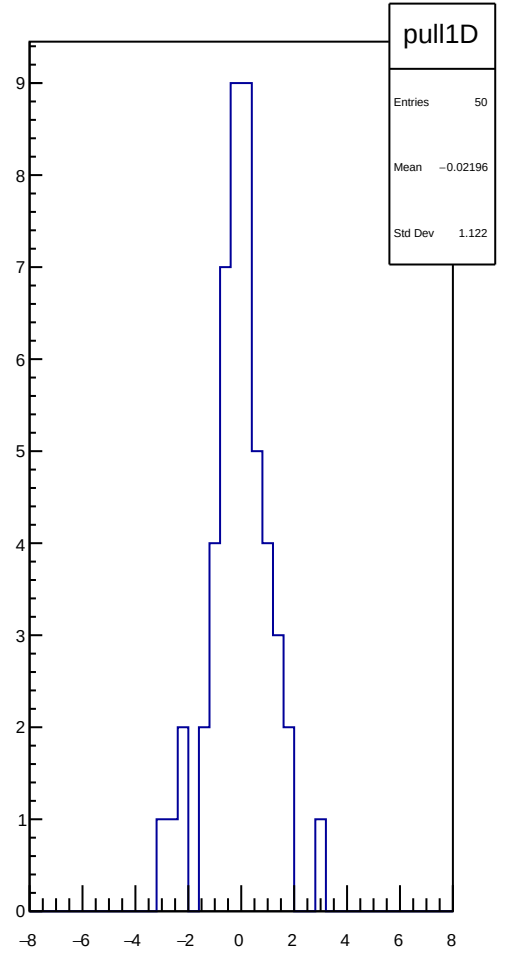

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.954e+05 / 49
p0 40.63 ± 0.05014
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

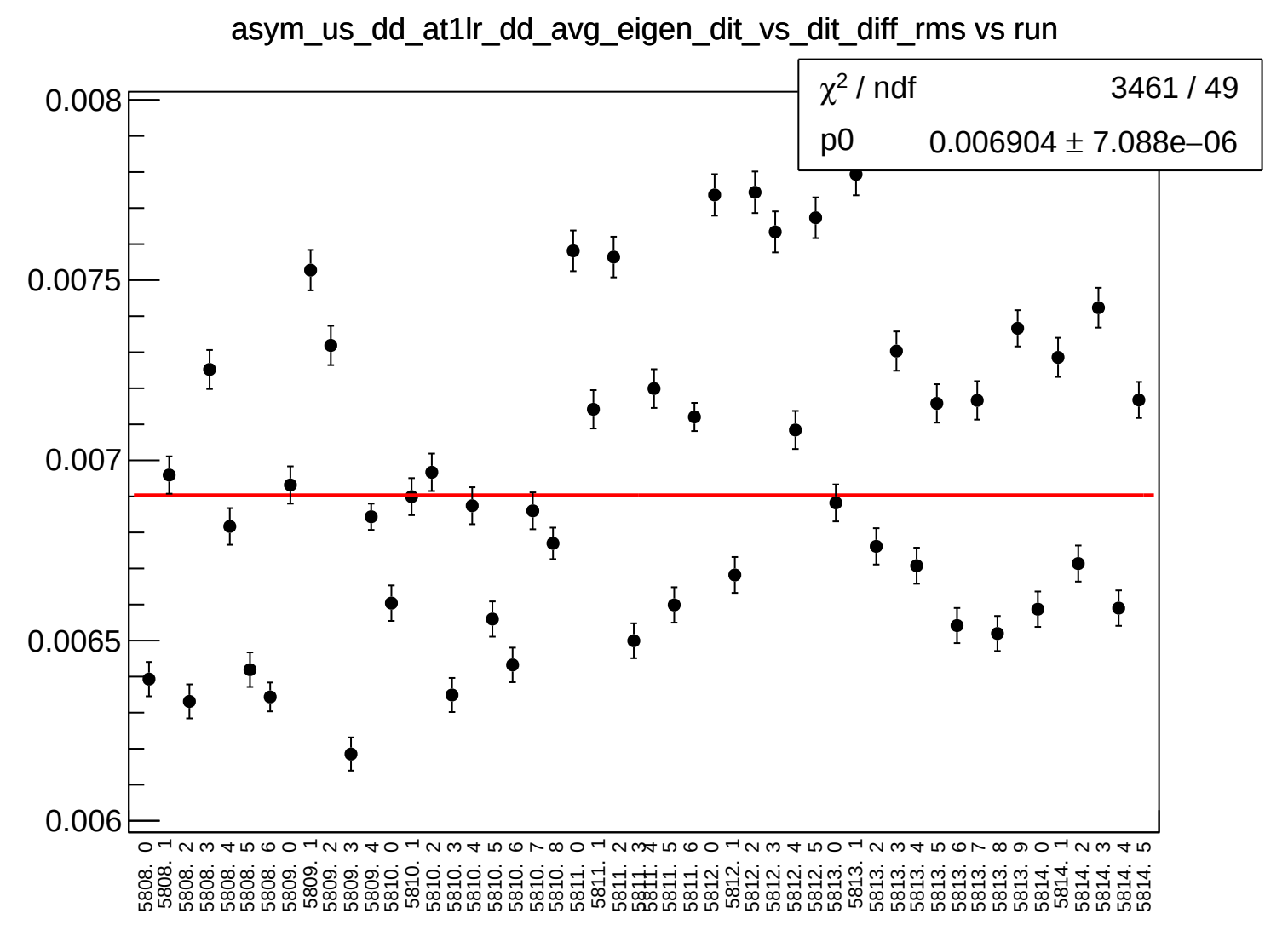

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.66 / 49
p0 0.01858 ± 0.0709
pull
Entries 50
Mean 78.4
Std Dev 0

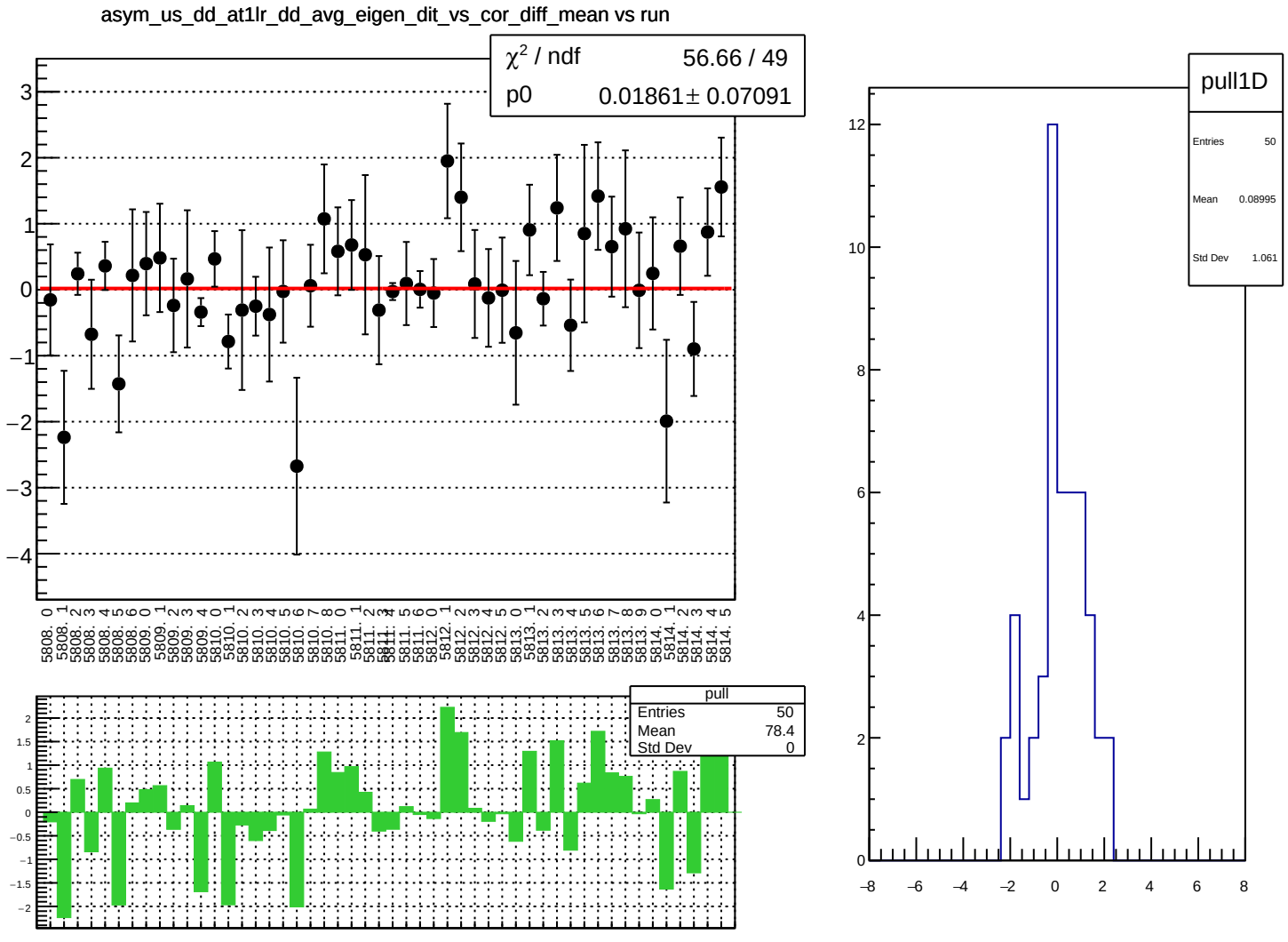

pull1D
Entries 50
Mean 0.08996
Std Dev 1.061

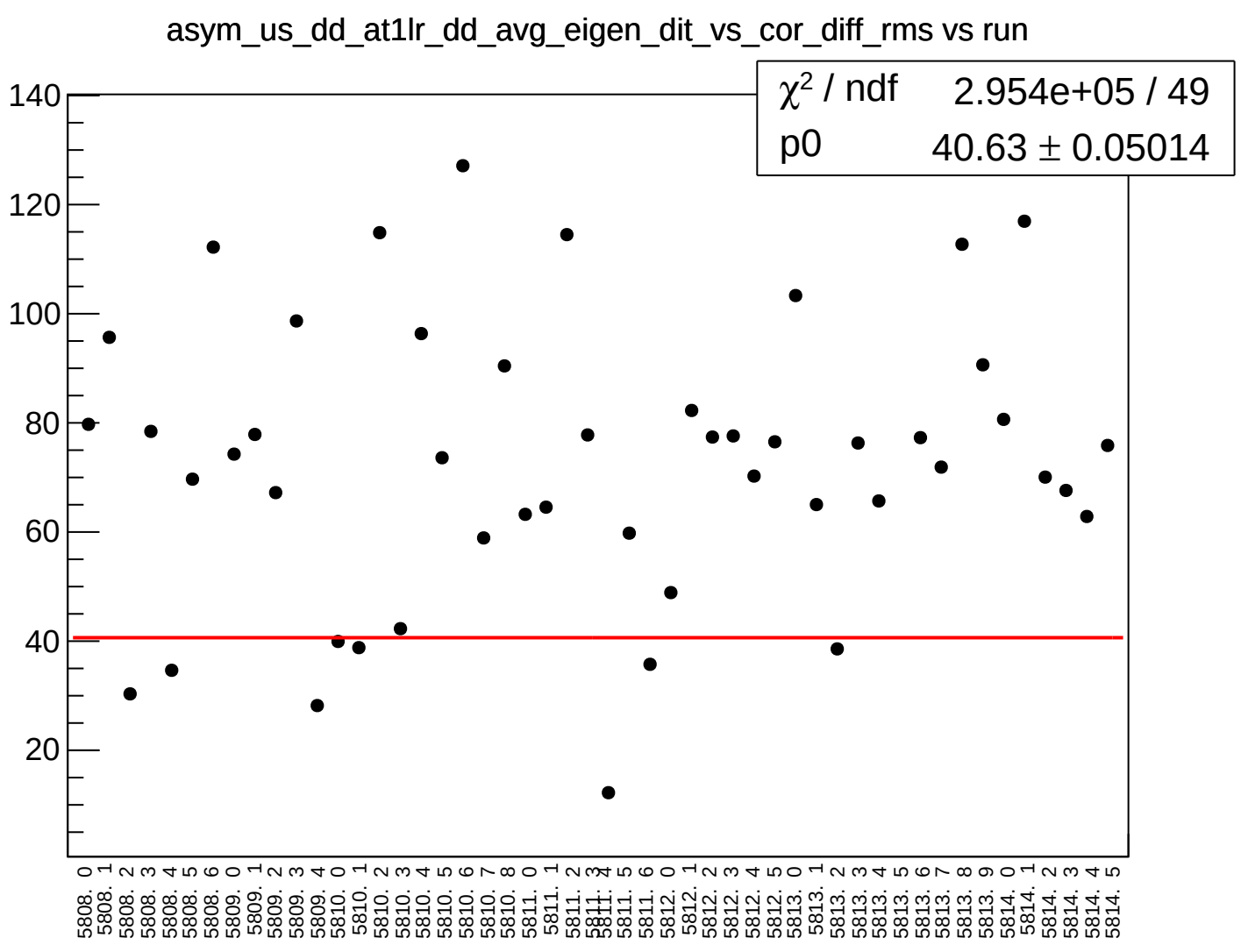

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.954e+05 / 49
p0 40.63 ± 0.05014
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

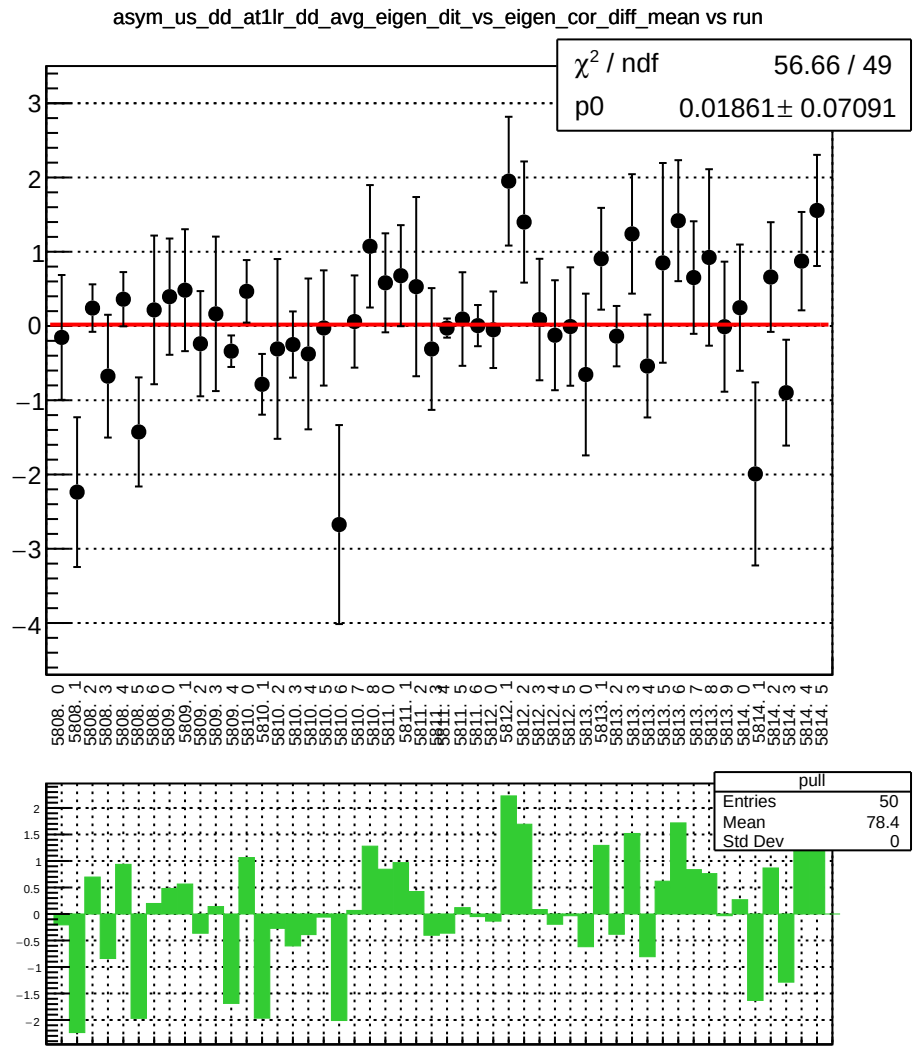

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 62.99 / 49
p0 2.353e−05 ± 1.002e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull
Entries 50
Mean −175.9
Std Dev 0

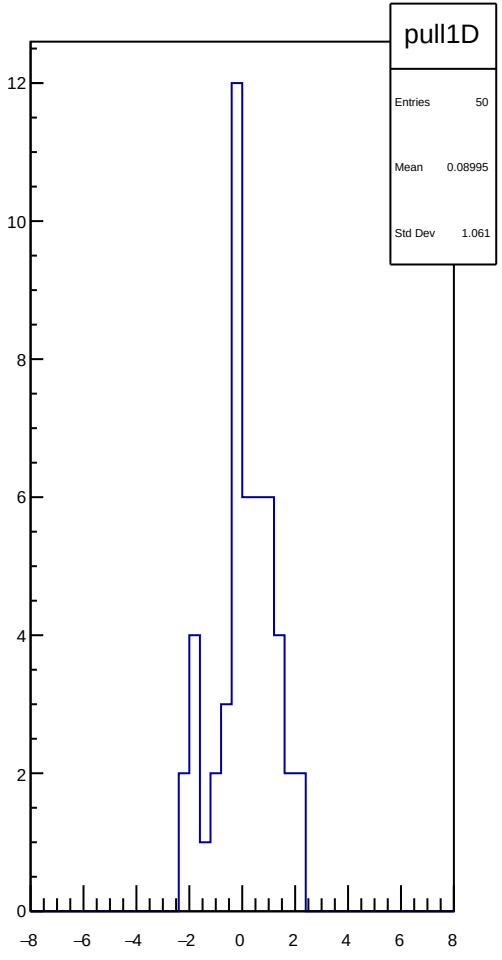

pull1D
Entries 50
Mean −0.02196
Std Dev 1.122

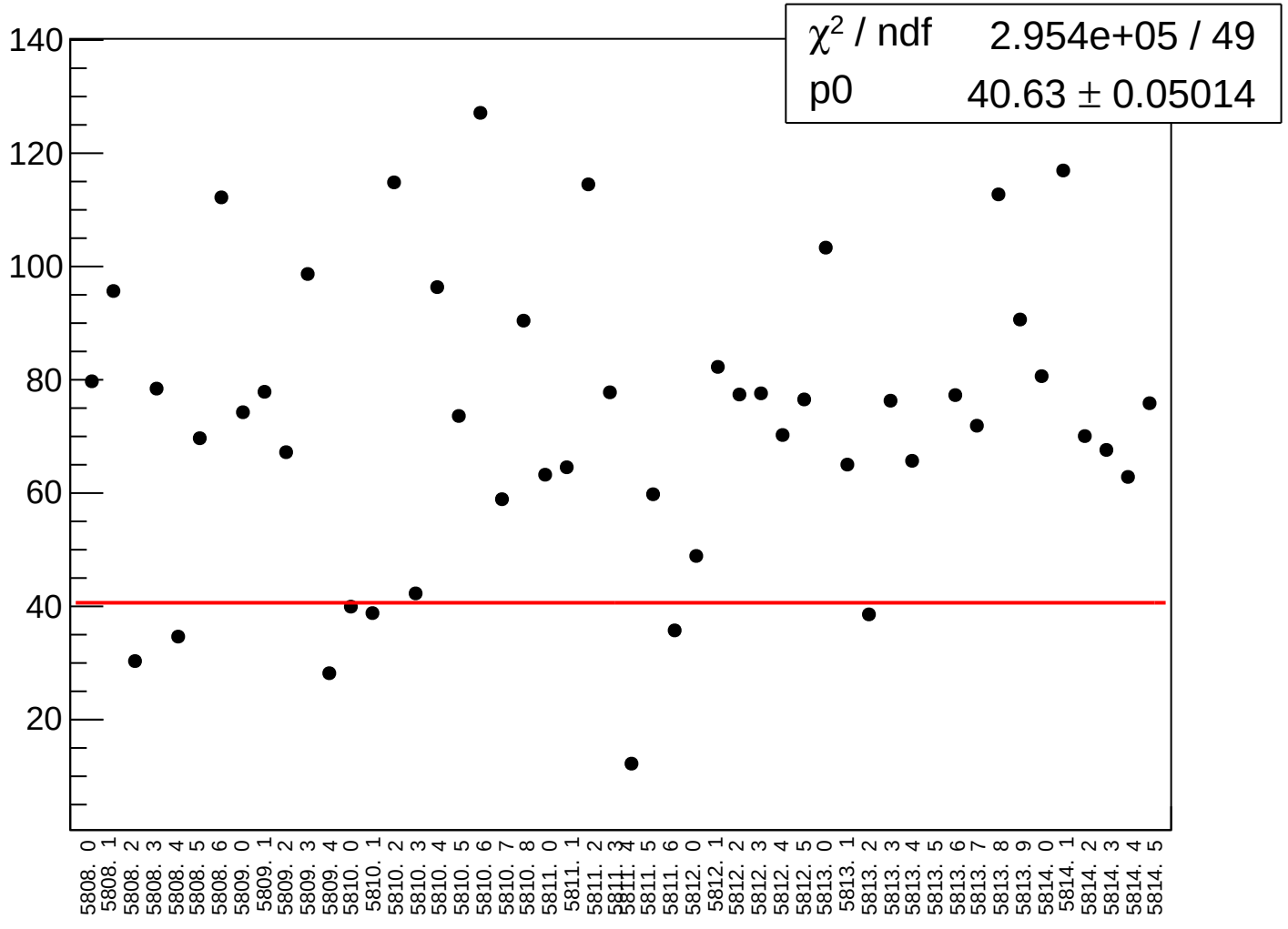

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3461 / 49
p0 0.006904 ± 7.088e−06
0.008
0.0075
0.007
0.0065
0.006
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

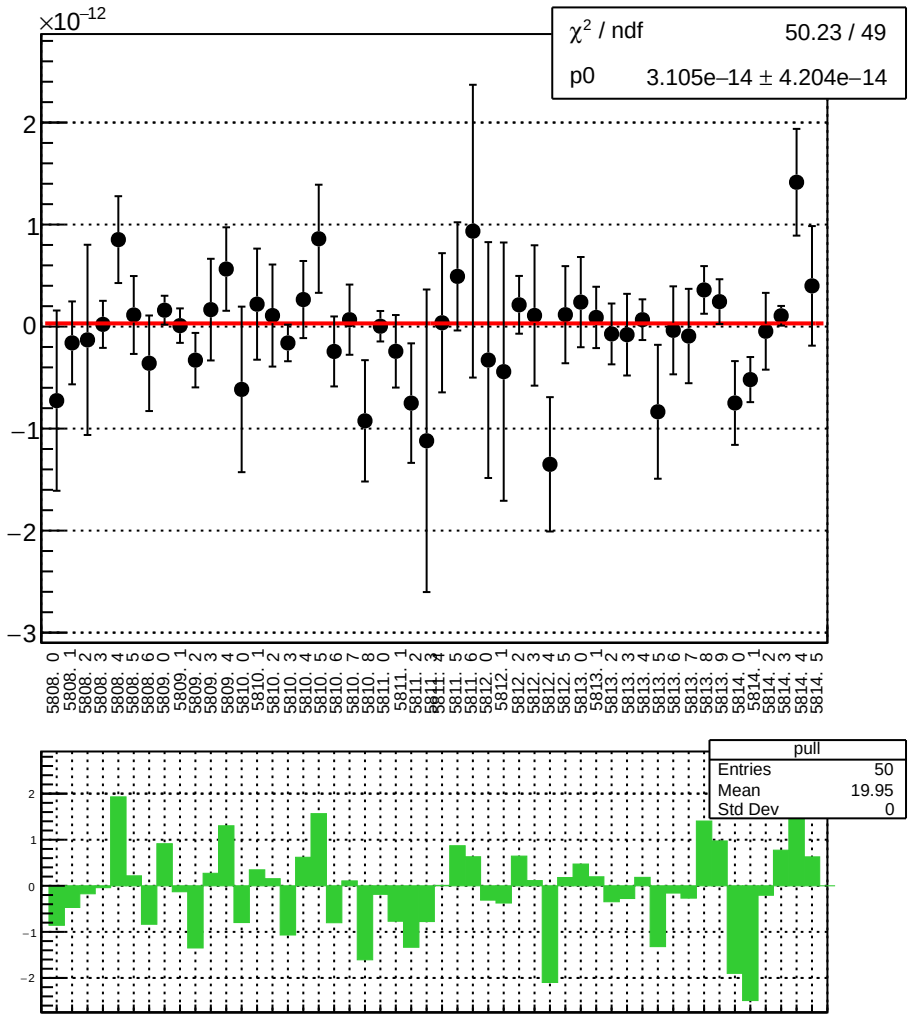

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.66 / 49
p0 0.01861± 0.07091
pull
Entries 50
Mean 78.4
Std Dev 0
pull1D
Entries 50
Mean 0.08995
Std Dev 1.061

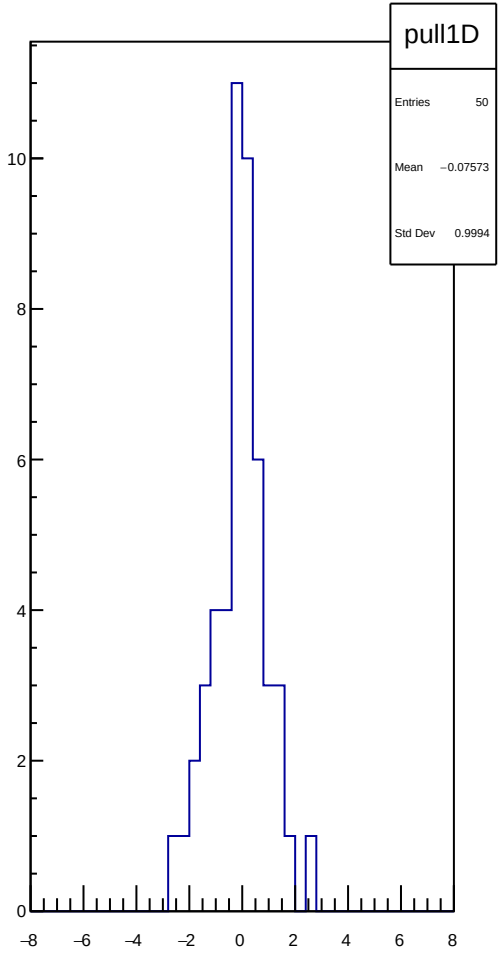

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.954e+05 / 49
p0 40.63 ± 0.05014
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

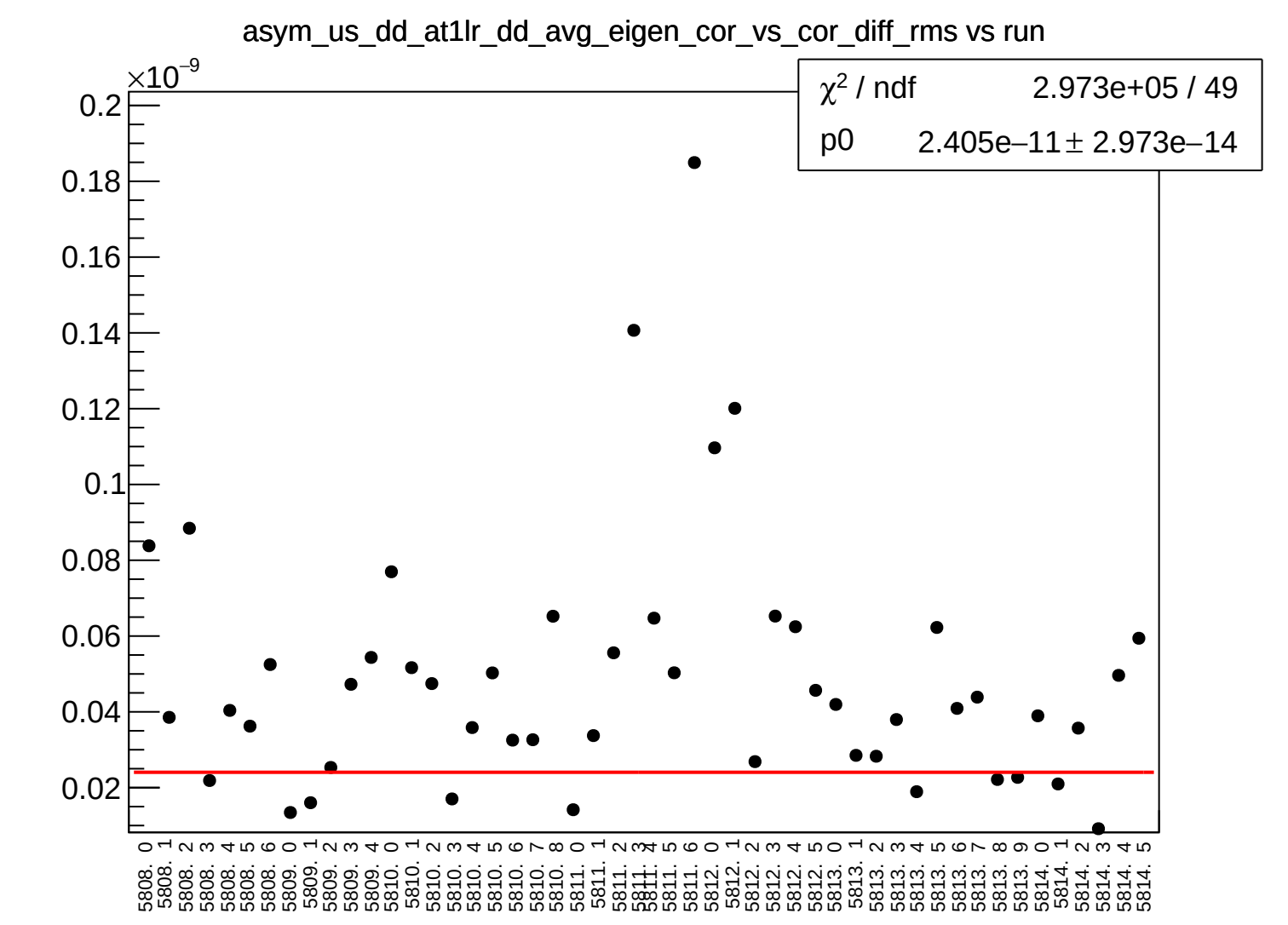

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.66 / 49
p0 0.01861± 0.07091
pull
Entries 50
Mean 78.4
Std Dev 0

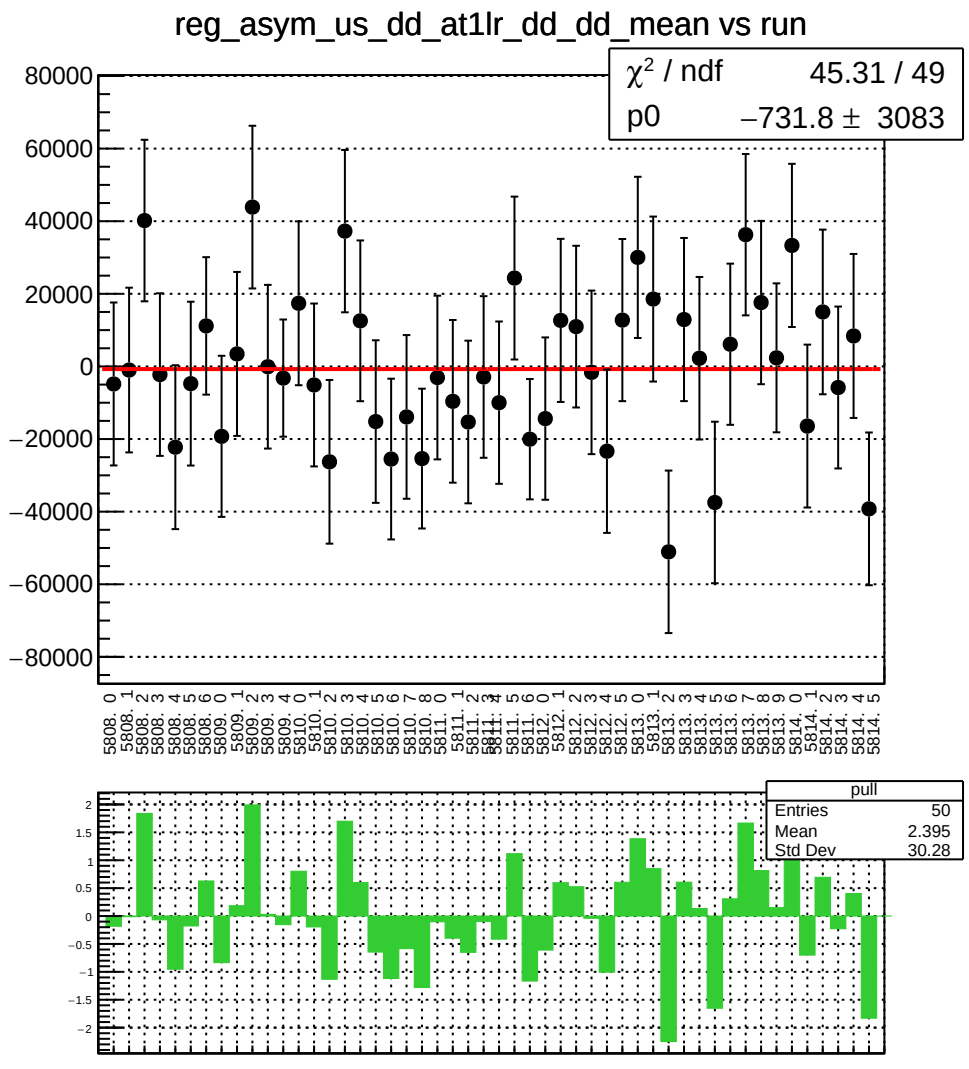

pull1D
Entries 50
Mean 0.08995
Std Dev 1.061

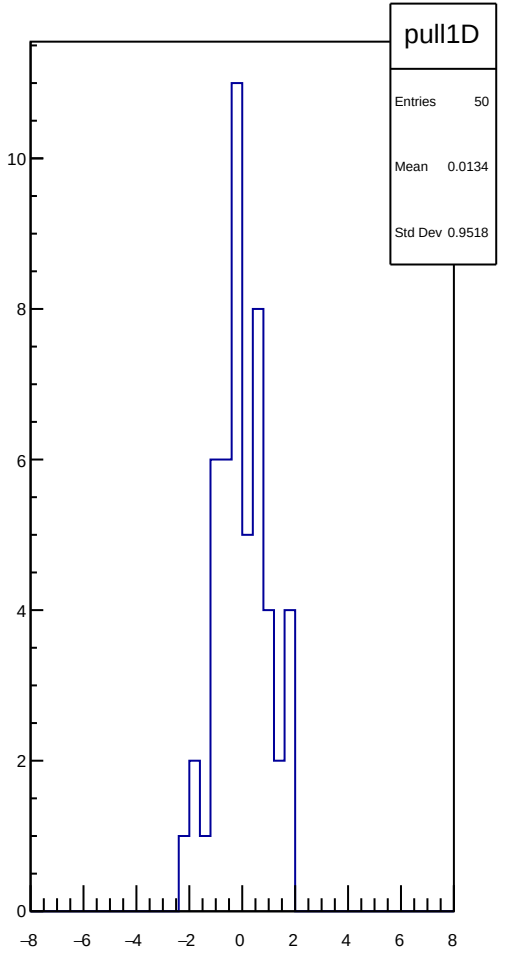

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.954e+05 / 49
p0 40.63 ± 0.05014
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

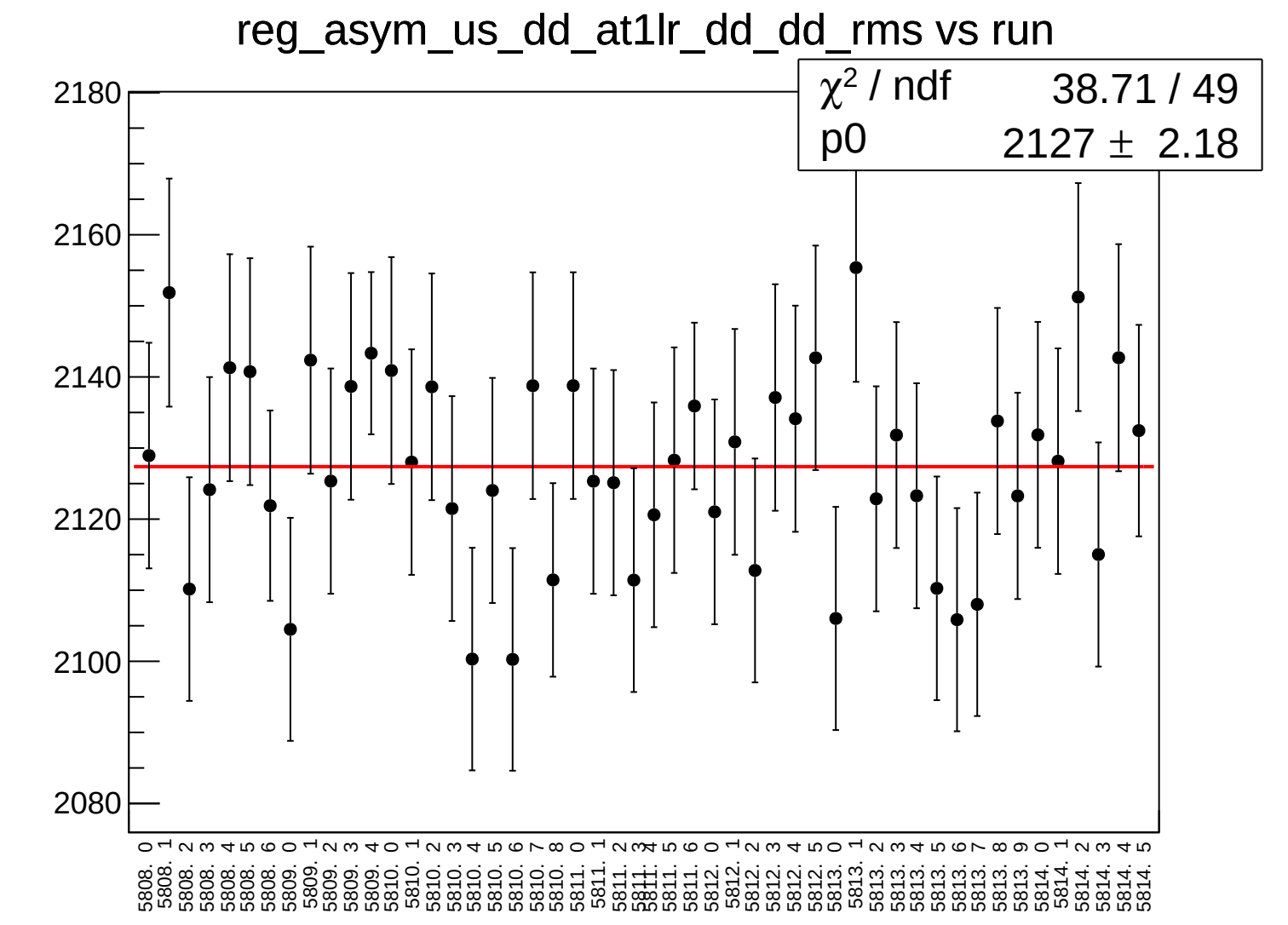

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.23 / 49
p0 3.105e−14 ± 4.204e−14
pull
Entries 50
Mean 19.95
Std Dev 0

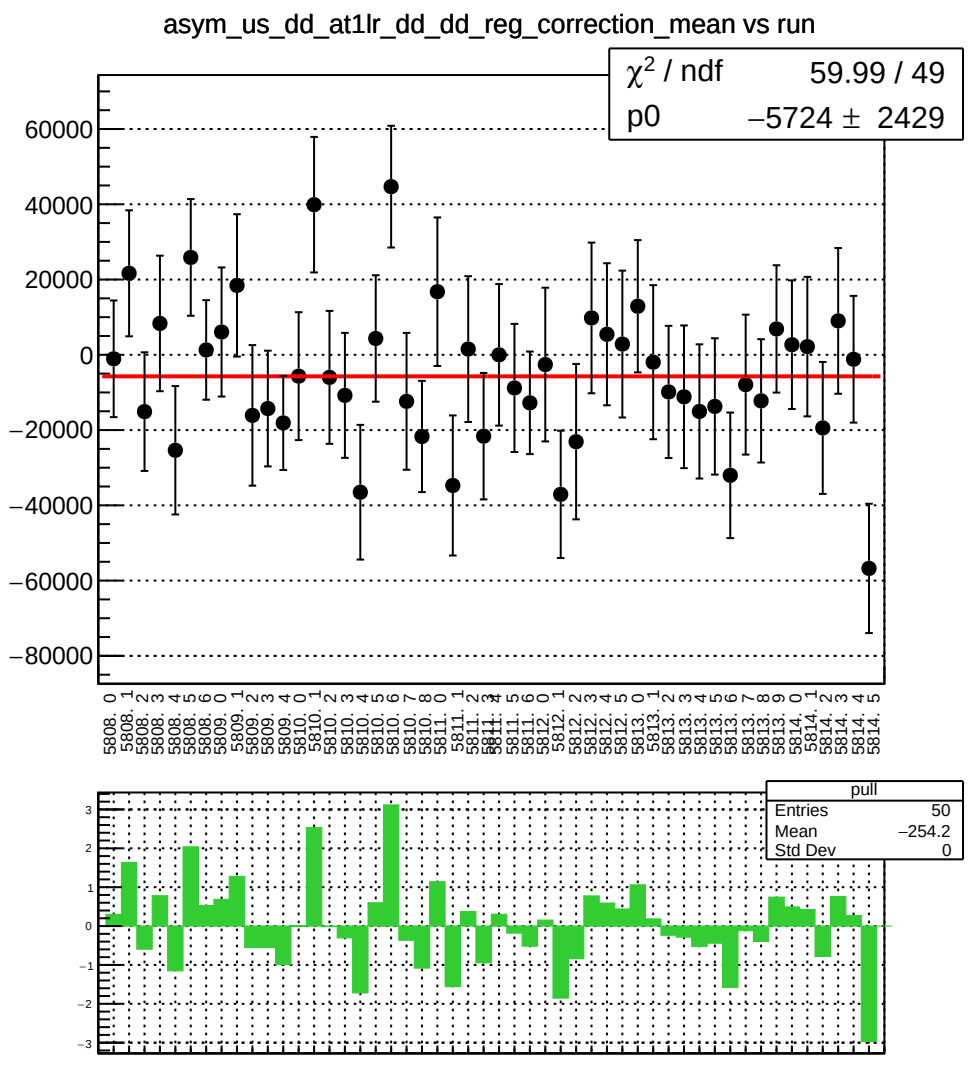

pull1D
Entries 50
Mean −0.07573
Std Dev 0.9994

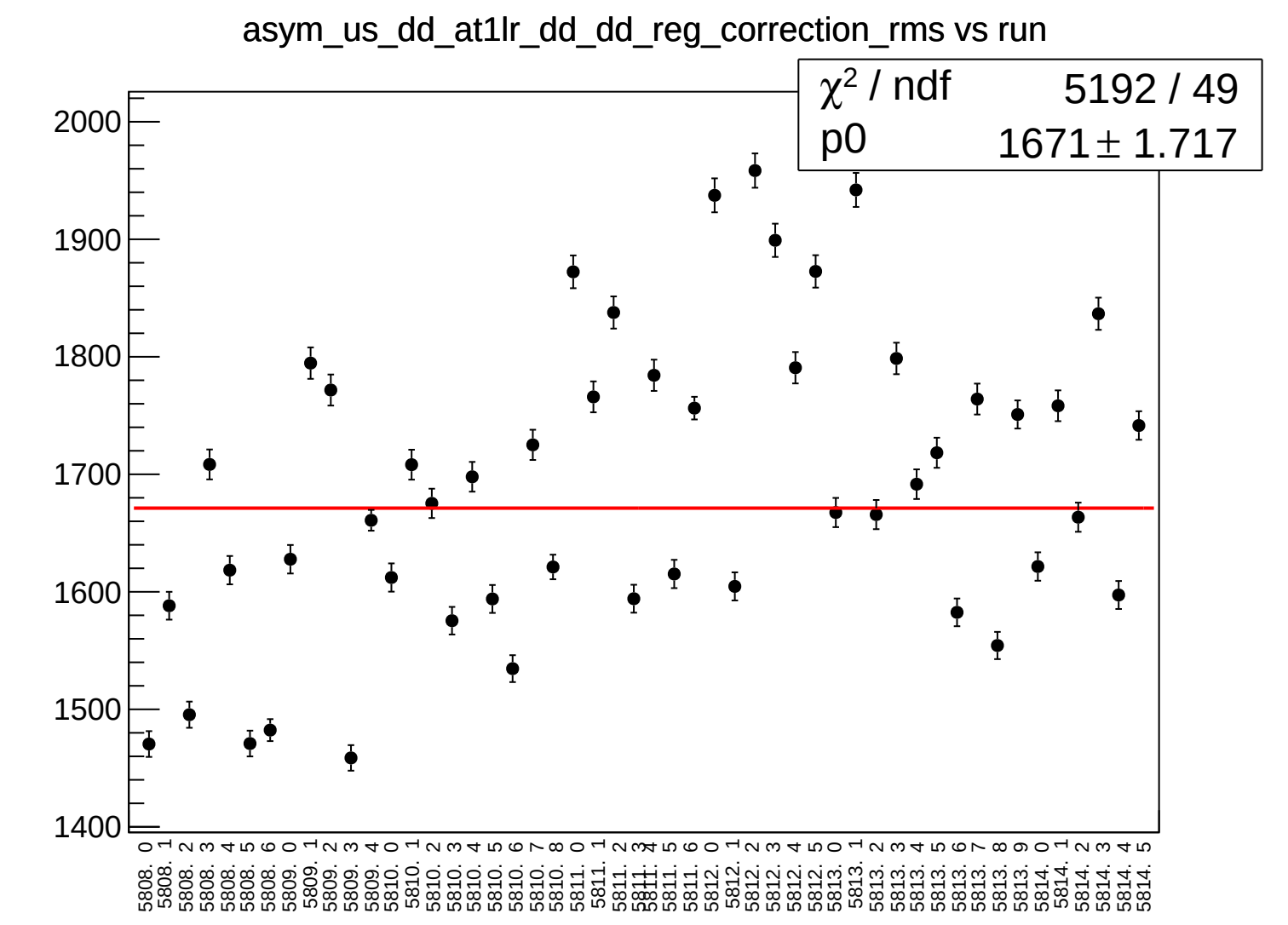

asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.973e+05 / 49
p0 2.405e−11 ± 2.973e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 45.31 / 49
p0 −731.8 ± 3083
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 2.395
Std Dev 30.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.0134
Std Dev 0.9518
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 38.71 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 59.99 / 49
p0 −5724 ± 2429
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −254.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01315
Std Dev 1.095
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 5192 / 49
p0 1671 ± 1.717
2000
1900
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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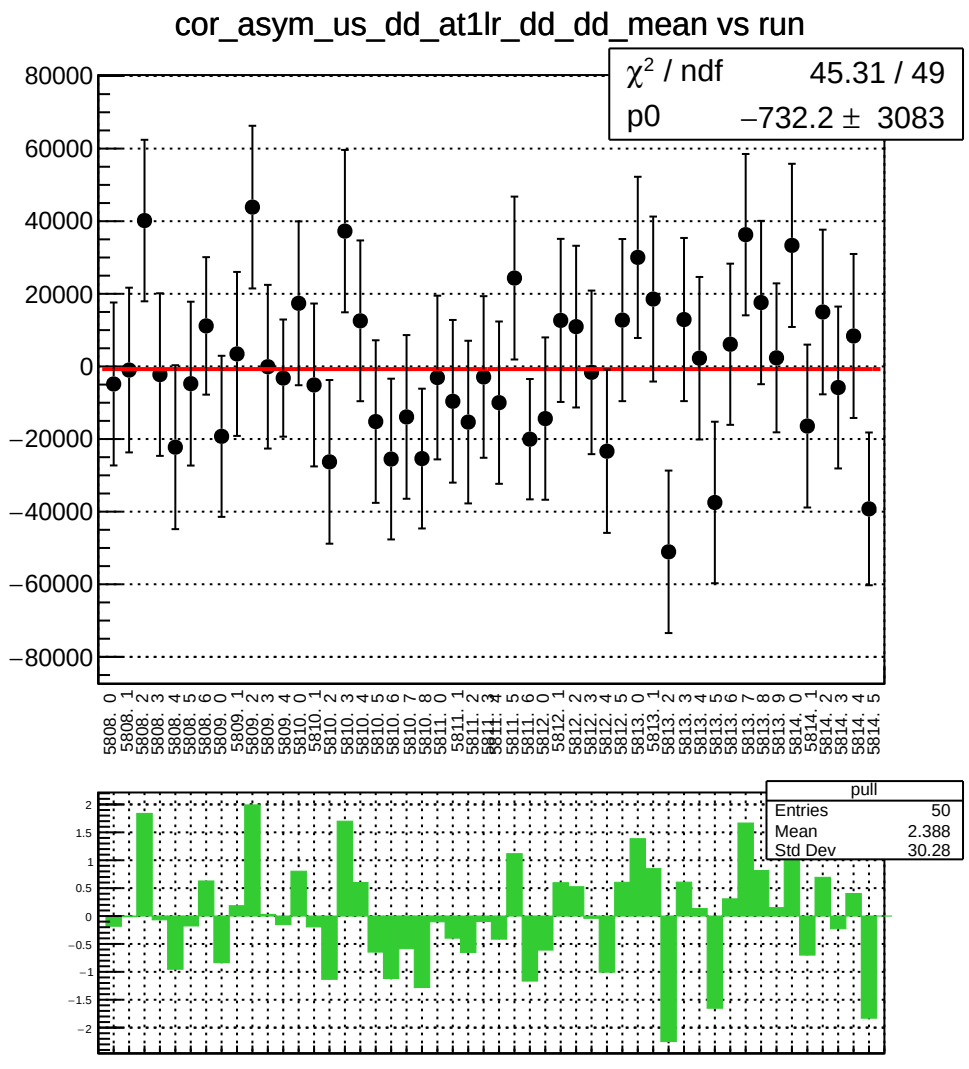
cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 45.31 / 49
p0 −732.2 ± 3083
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
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pull
Entries 50
Mean 2.388
Std Dev 30.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01339
Std Dev 0.9519
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−4
−2
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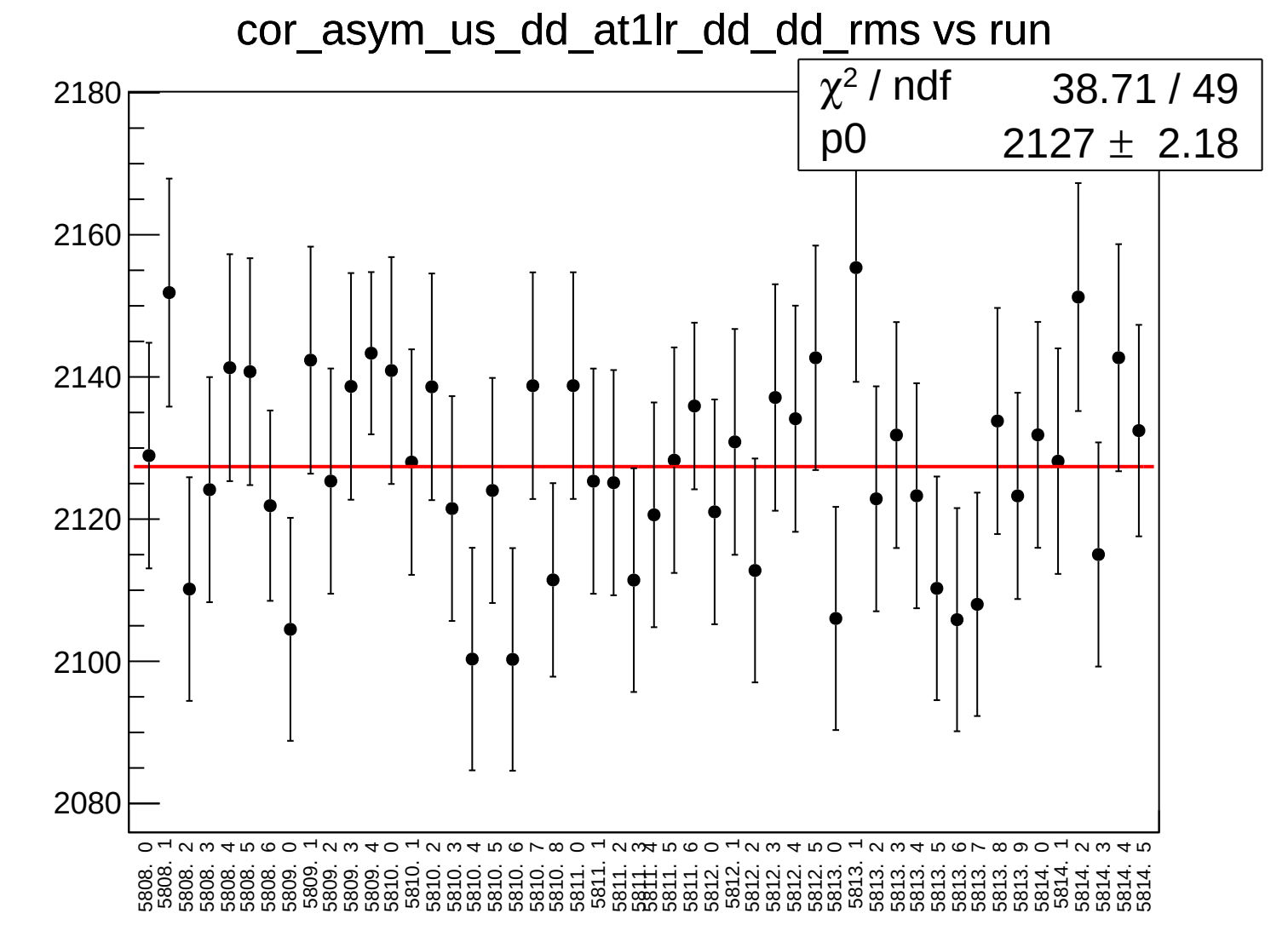
6
8


cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 38.71 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
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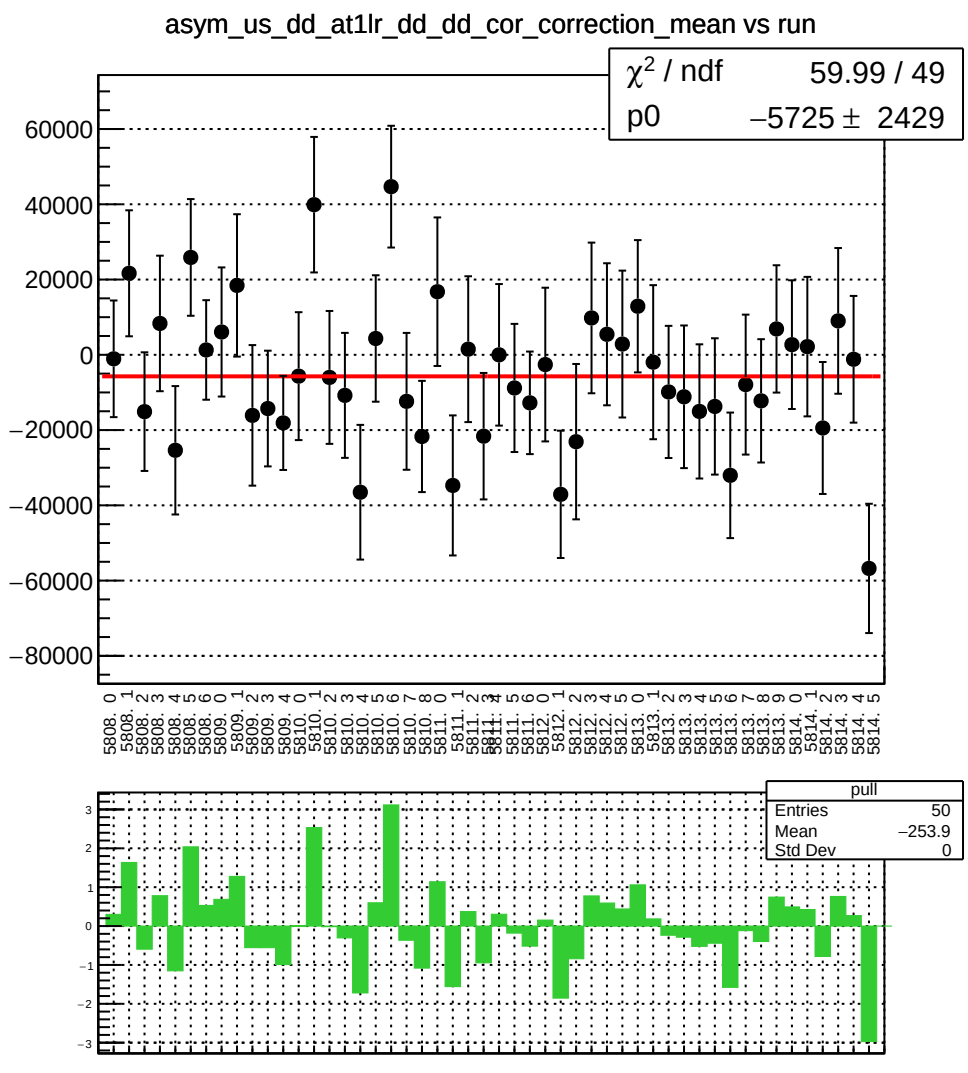
asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 59.99 / 49
p0 −5725 ± 2429
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −253.9
Std Dev 0
3
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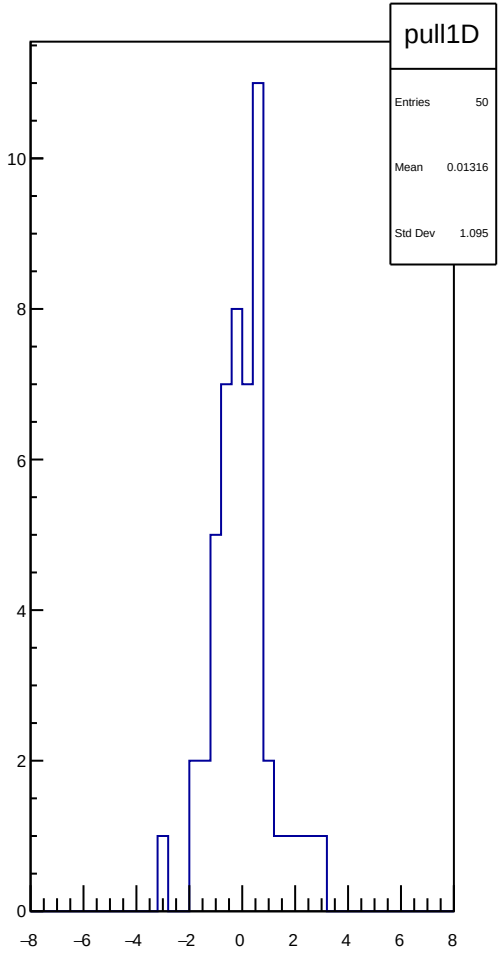
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01316
Std Dev 1.095
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−8
−6
−4
−2
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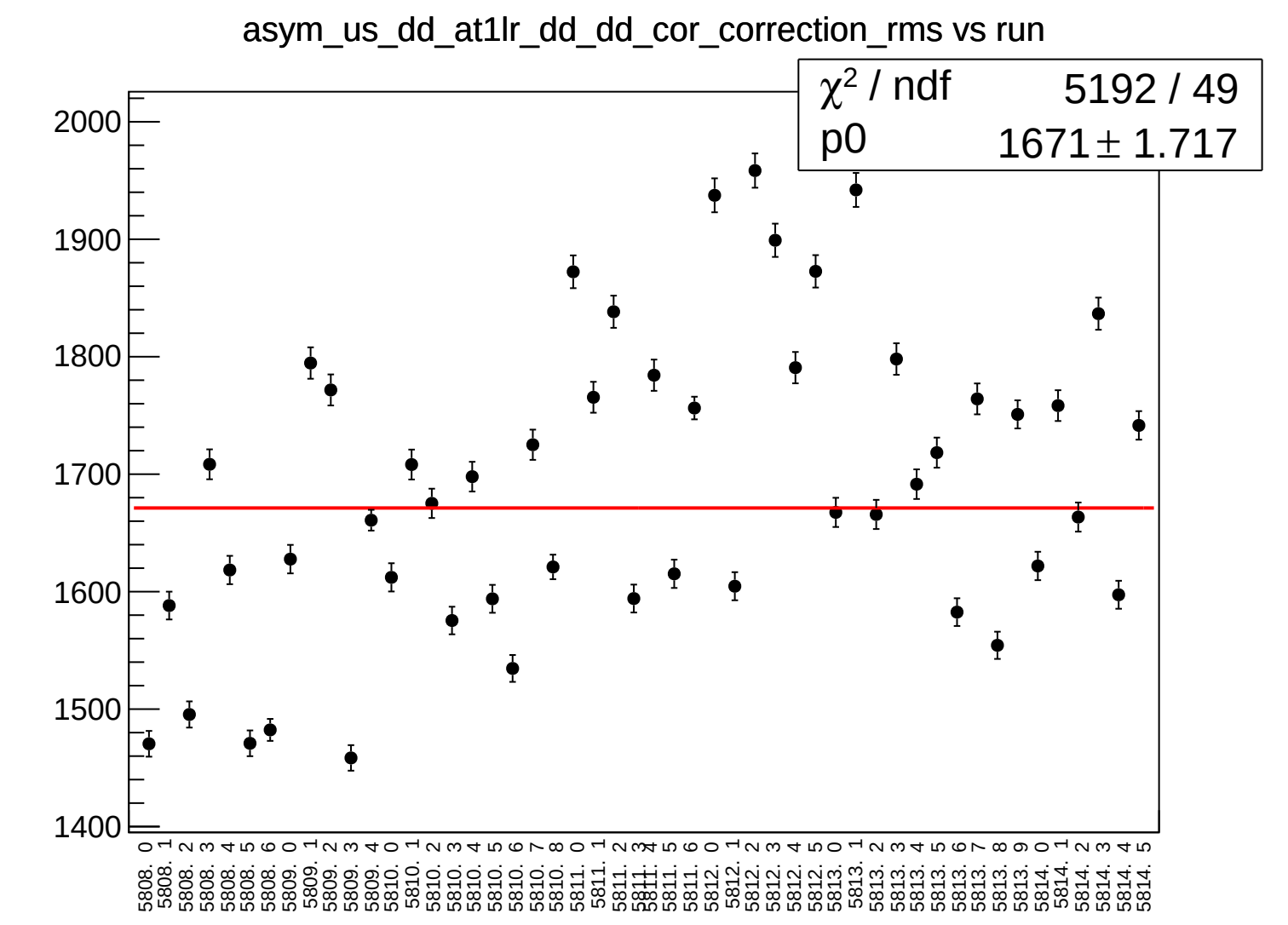
2
4
6
8


asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 5192 / 49
p0 1671 ± 1.717
2000
1900
1800
1700
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1500
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5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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5809. 4
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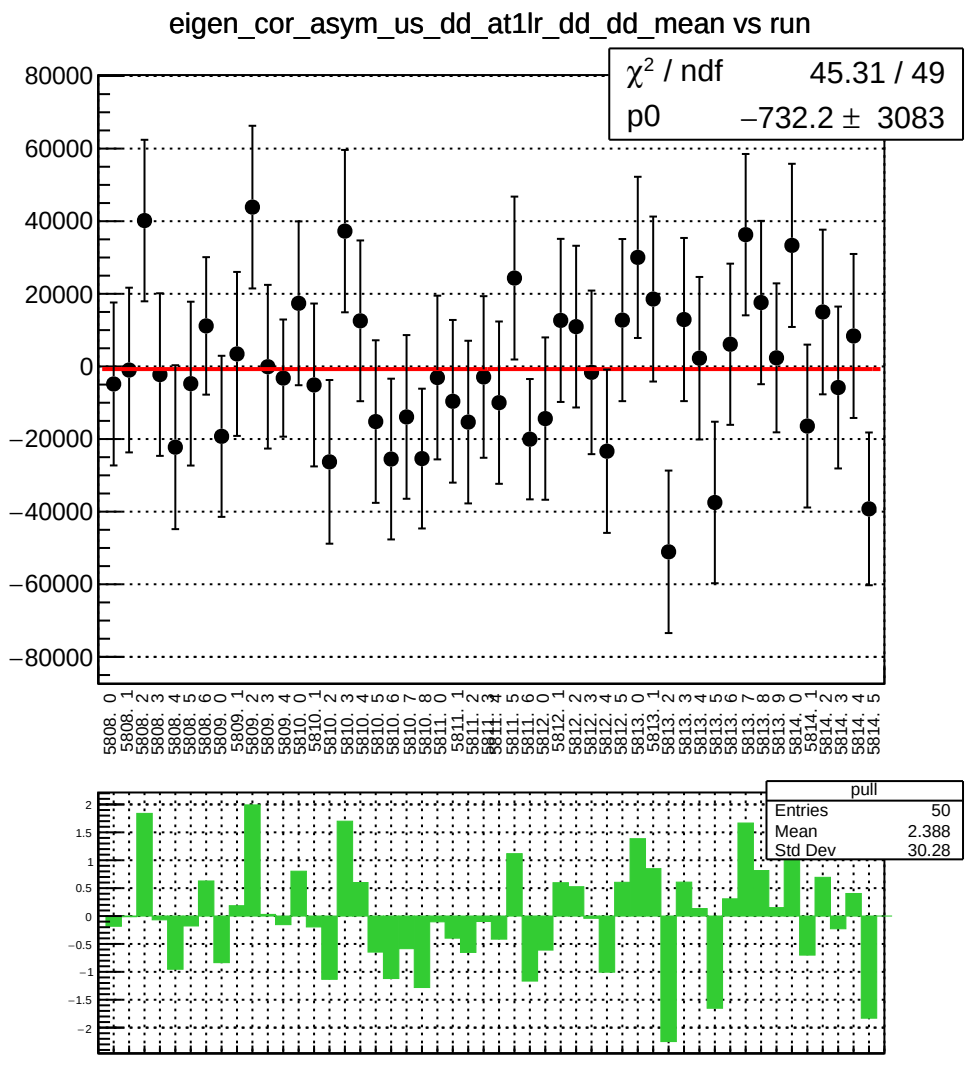
eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 45.31 / 49
p0 −732.2 ± 3083
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0
−20000
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−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
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5809. 4
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5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
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5814. 5
pull
Entries 50
Mean 2.388
Std Dev 30.28
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01339
Std Dev 0.9519
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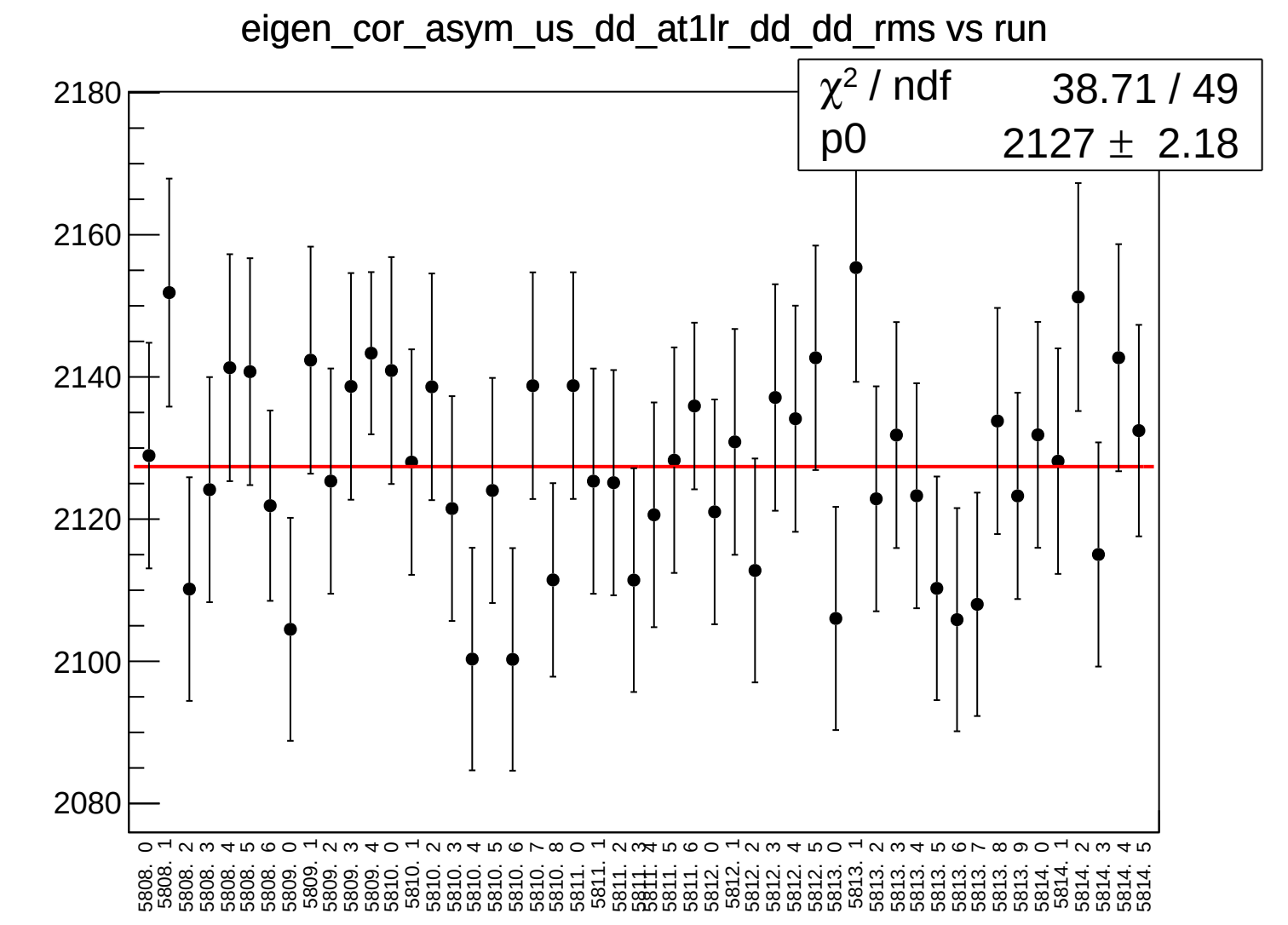
eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 38.71 / 49
p0 2127 ± 2.18
2180
2160
2140
2120
2100
2080
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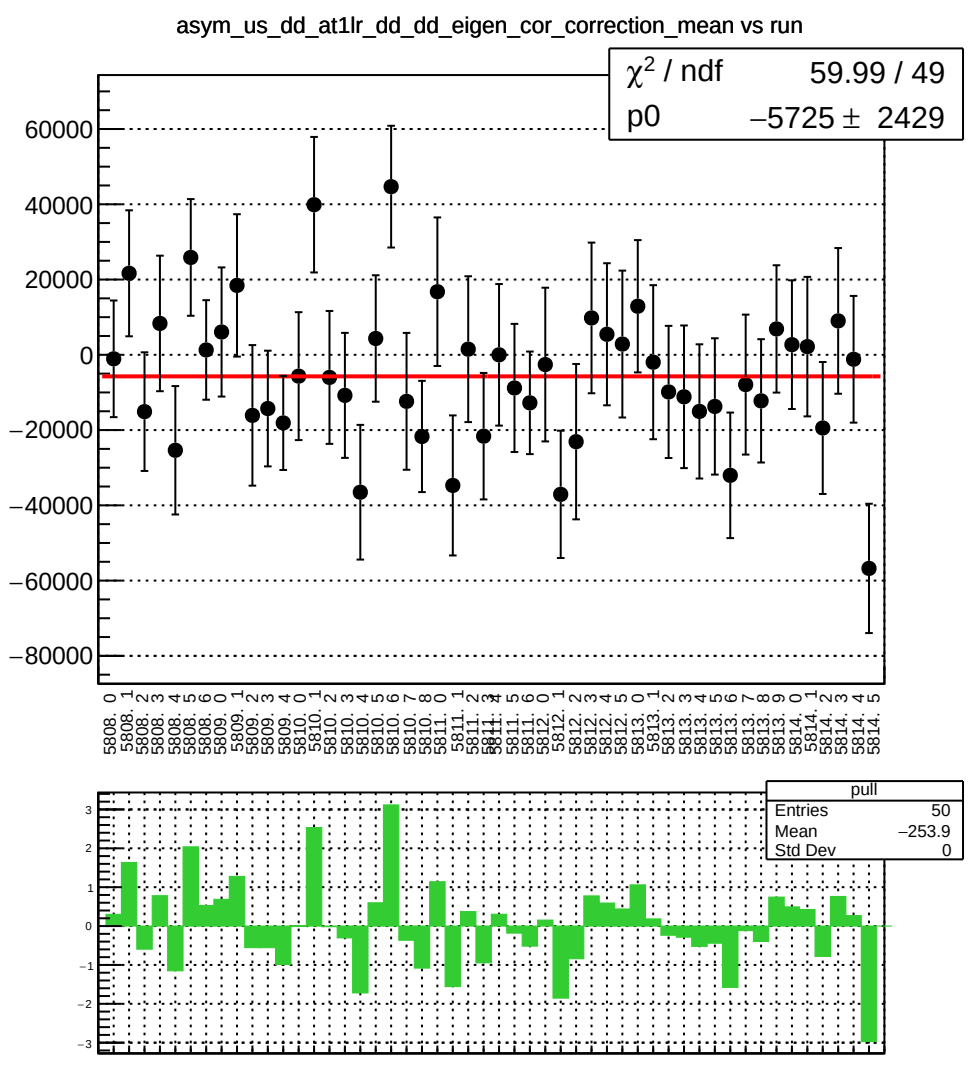
asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.99 / 49
p0 −5725 ± 2429
60000
40000
20000
0
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pull
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Mean −253.9
Std Dev 0
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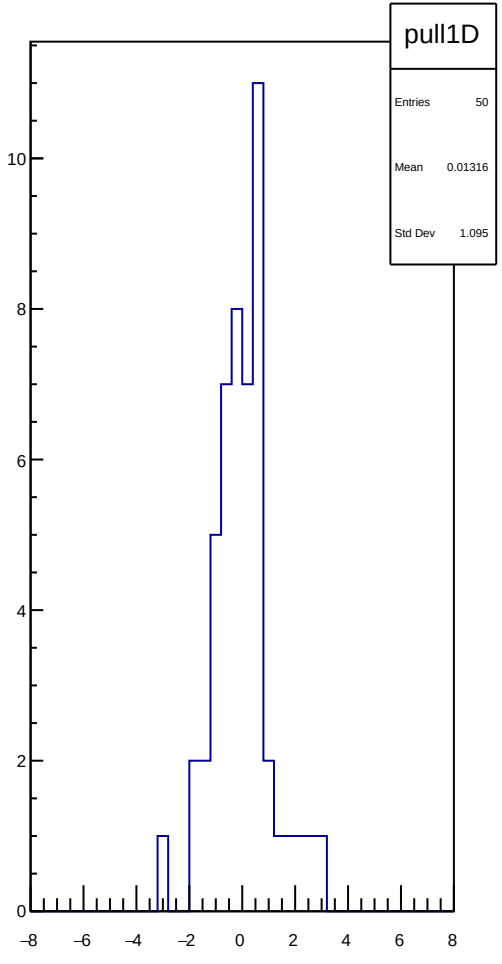
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Entries 50
Mean 0.01316
Std Dev 1.095
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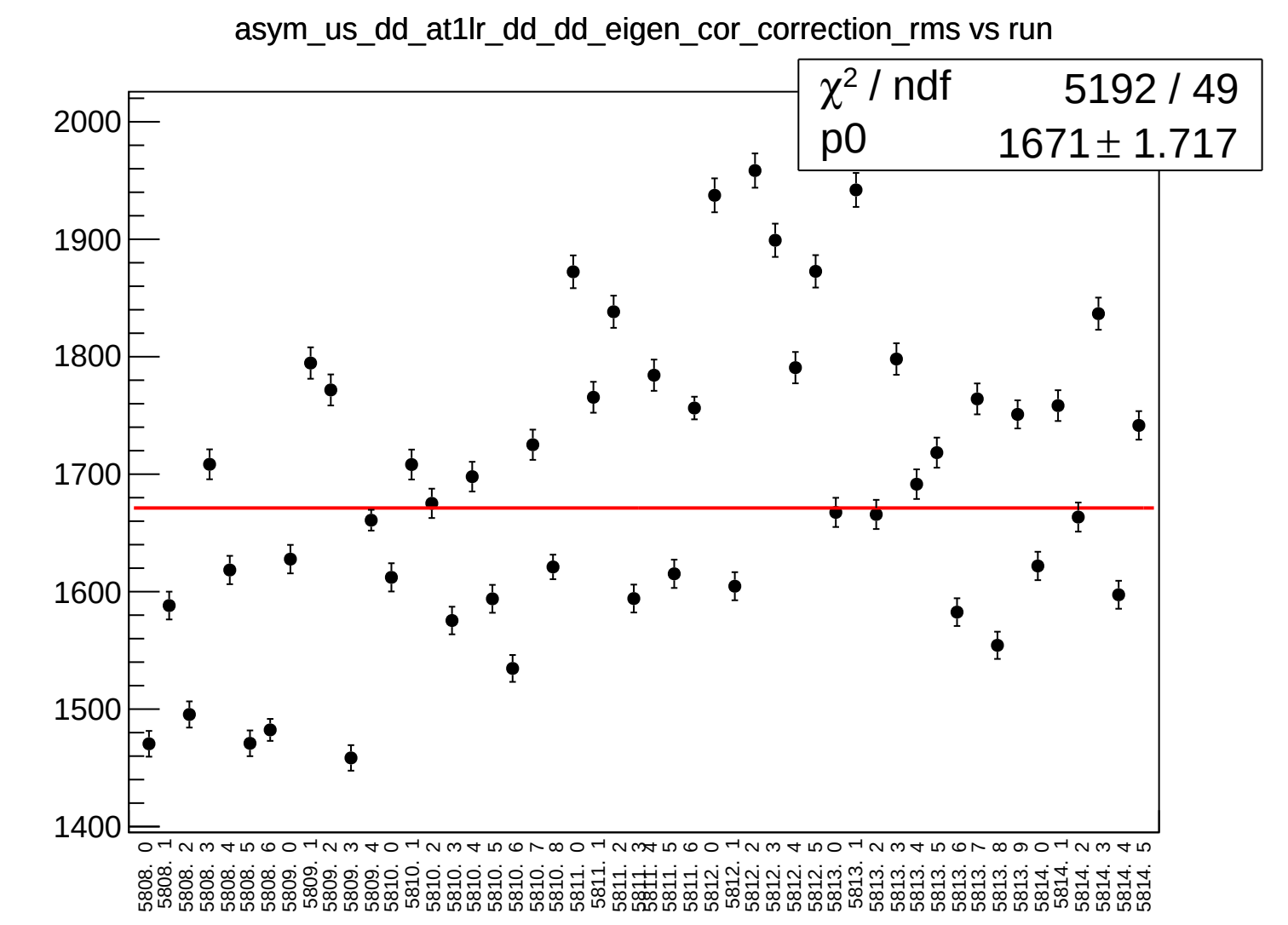
asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 5192 / 49
p0 1671 ± 1.717
2000
1900
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1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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5809. 4
5810. 0
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5810. 7
5810. 8
5811. 0
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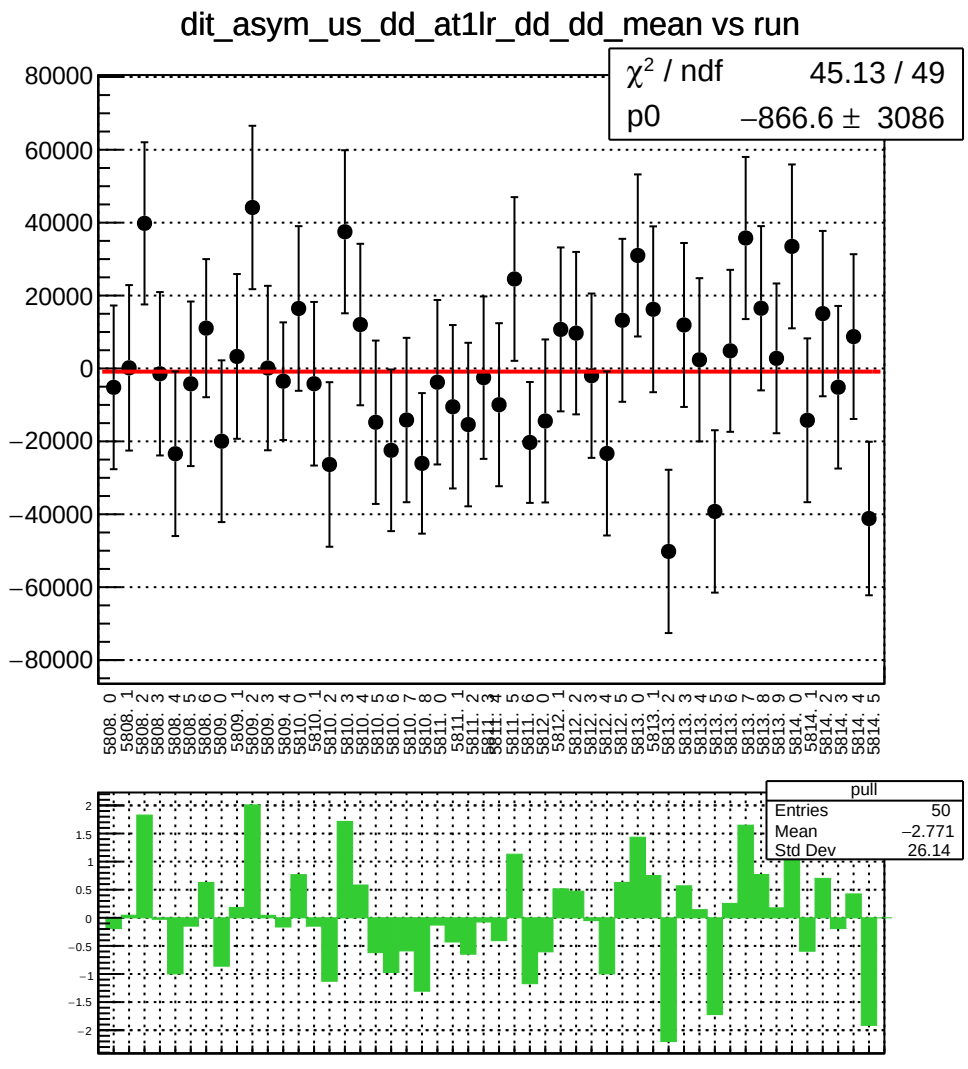
dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 45.13 / 49
p0 −866.6 ± 3086
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60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
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5808. 5
5808. 6
5809. 0
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5809. 4
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5811. 0
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5813. 6
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2.771
Std Dev 26.14
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01354
Std Dev 0.95
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2
0
−8
−6
−4
−2
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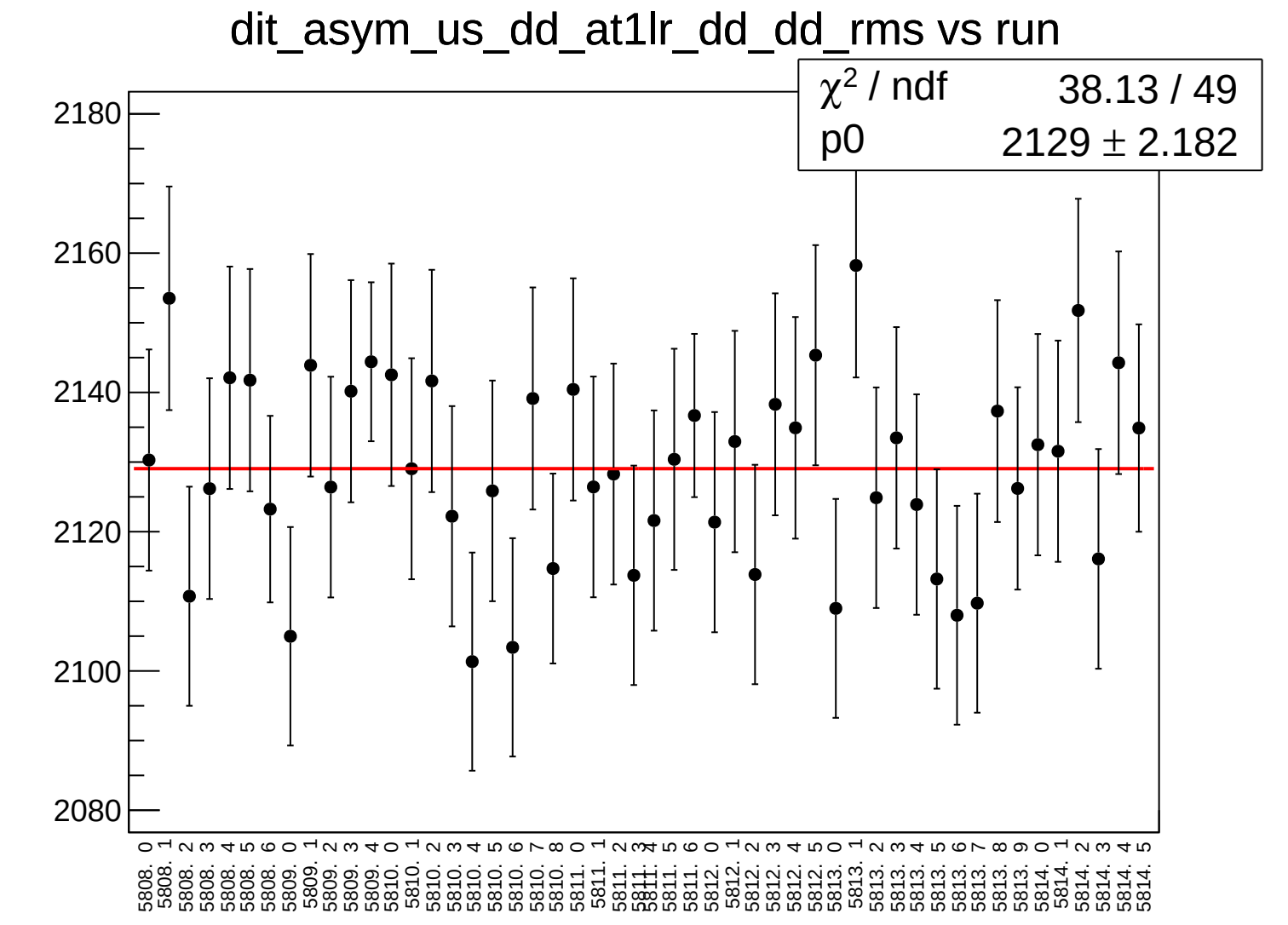
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 38.13 / 49
p0 2129 ± 2.182
2180
2160
2140
2120
2100
2080
5808. 0
5808. 1
5808. 2
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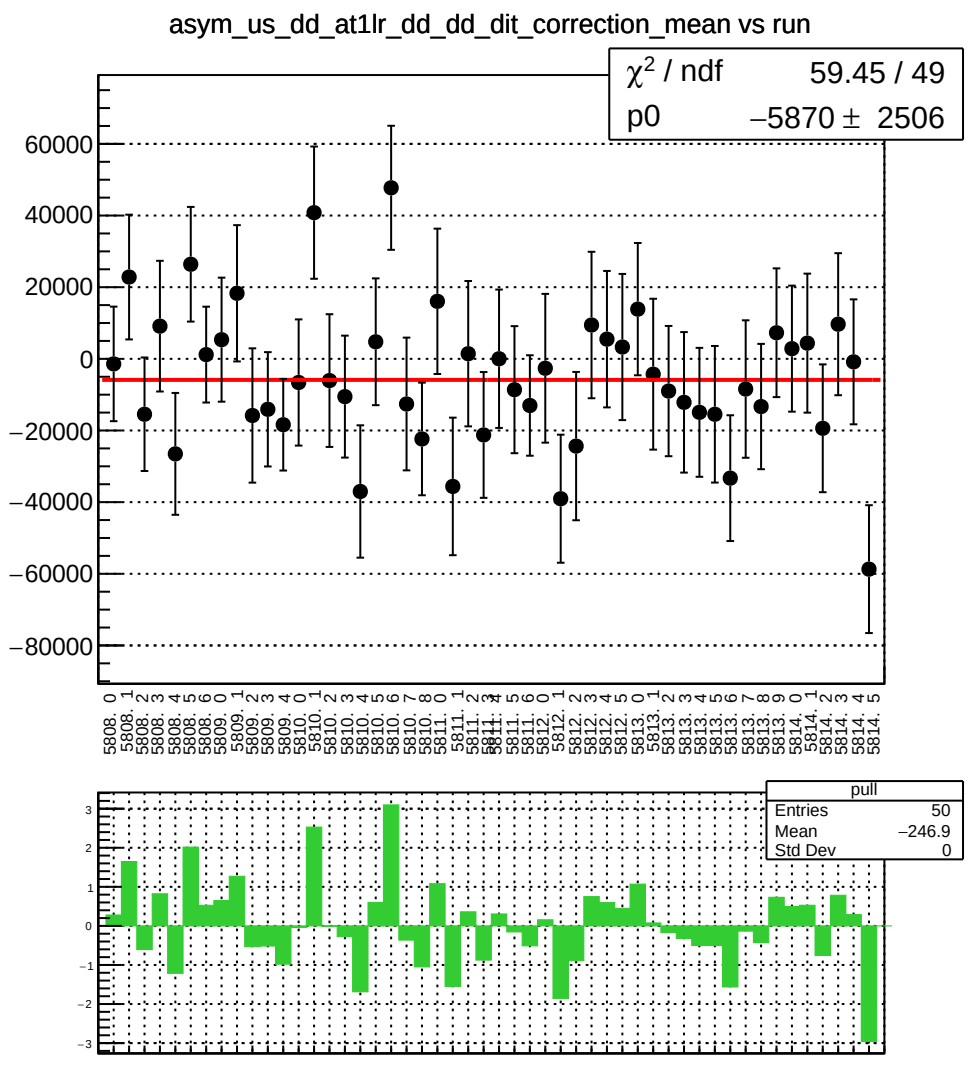
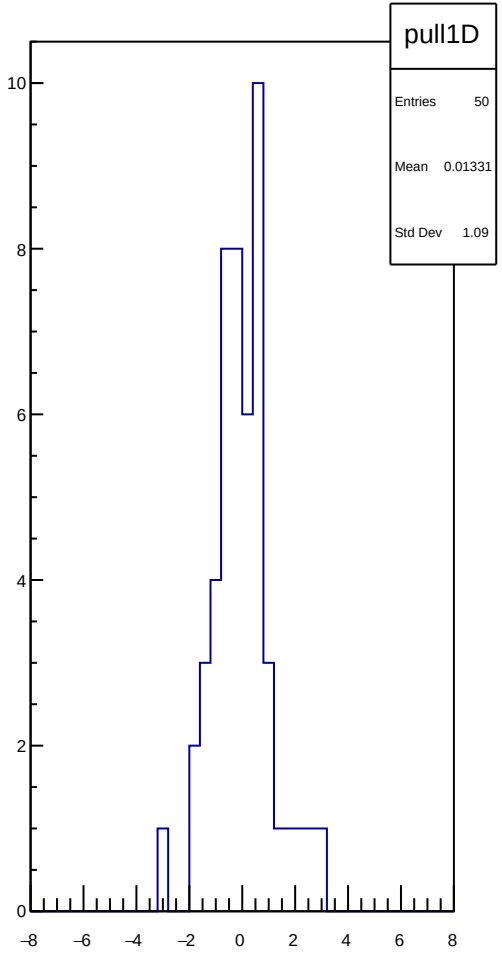

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 59.45 / 49
p0 −5870 ± 2506
pull
Entries 50
Mean −246.9
Std Dev 0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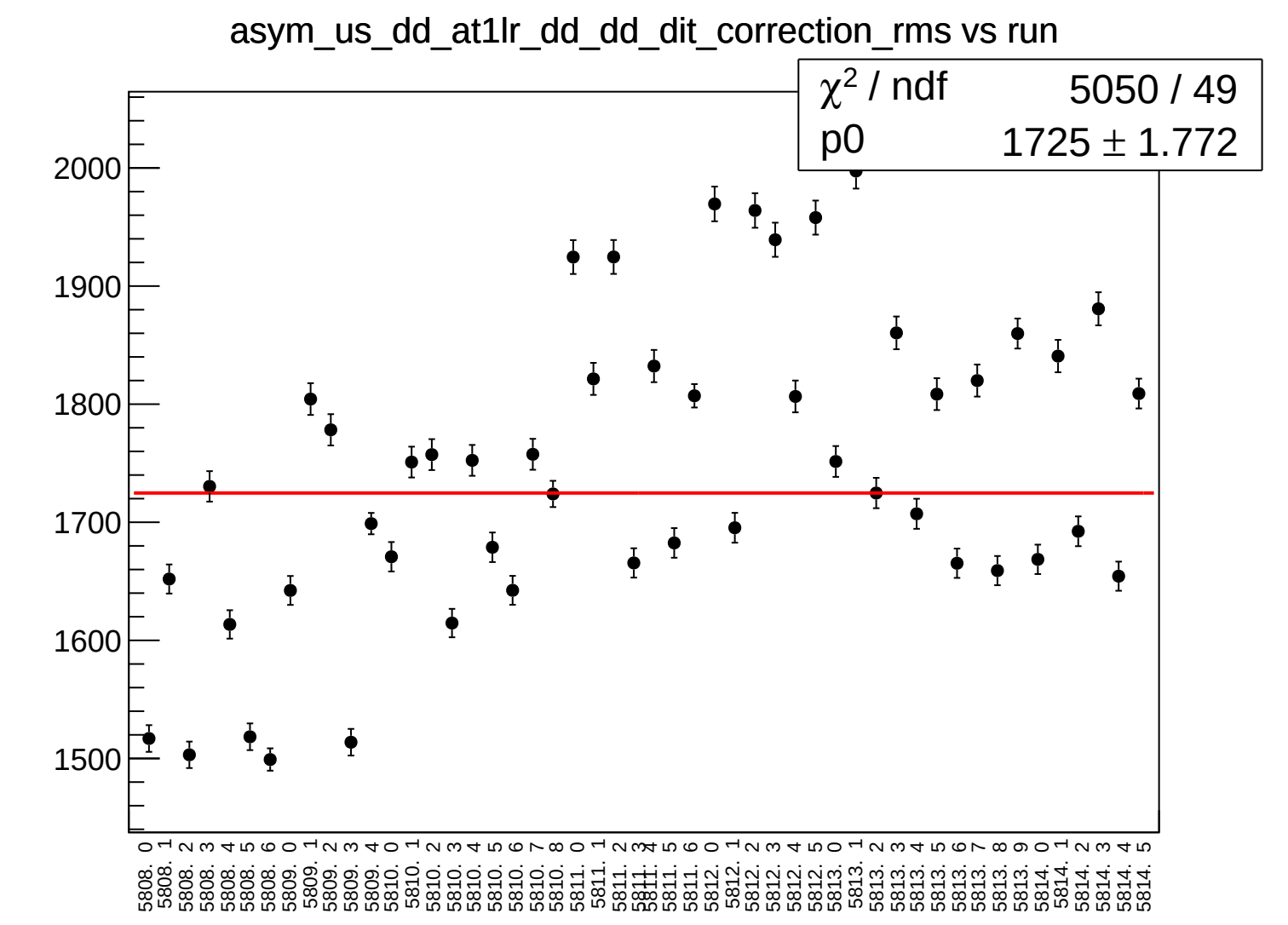
Entries 50
Mean 0.01331
Std Dev 1.09


asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 5050 / 49
p0 1725 ± 1.772
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1900
1800
1700
1600
1500
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5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5811. 0
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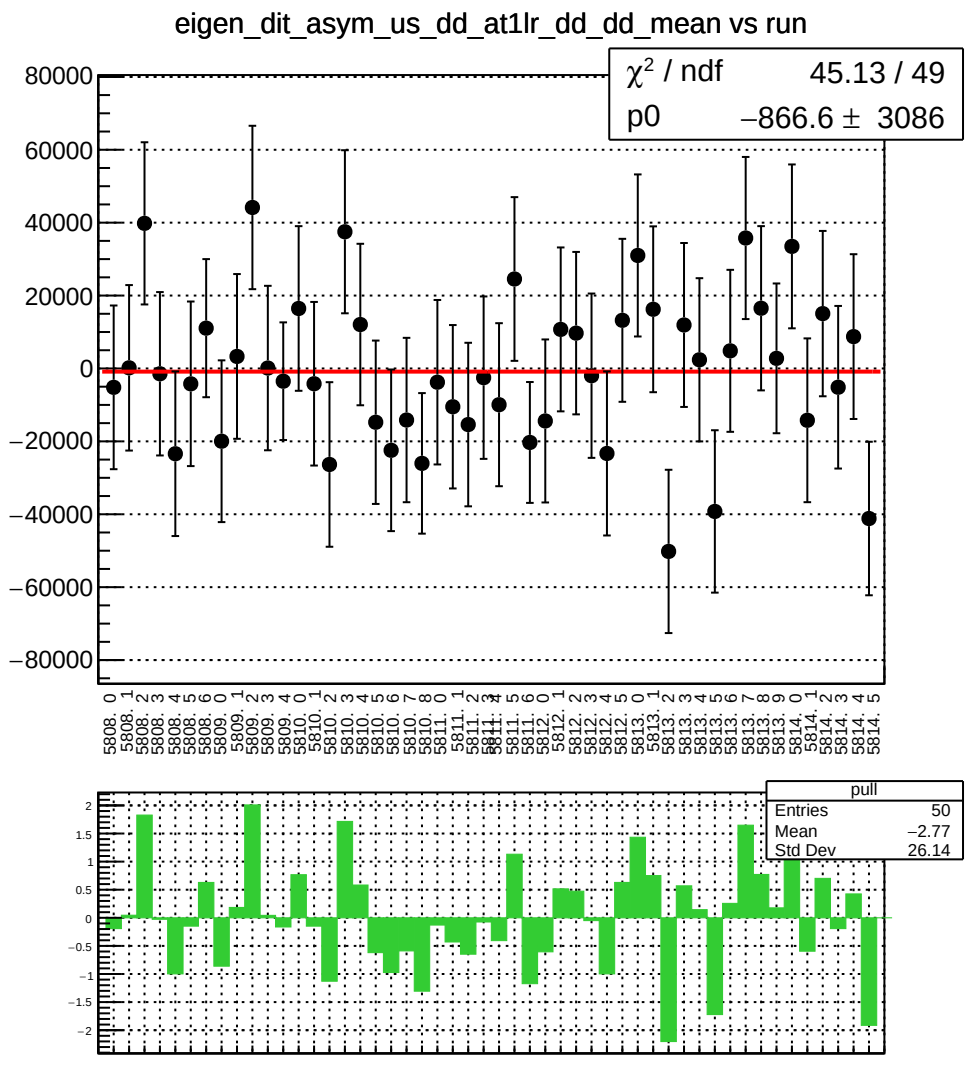
eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 45.13 / 49
p0 −866.6 ± 3086
80000
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40000
20000
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−20000
−40000
−60000
−80000
pull
Entries 50
Mean −2.77
Std Dev 26.14
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1.5
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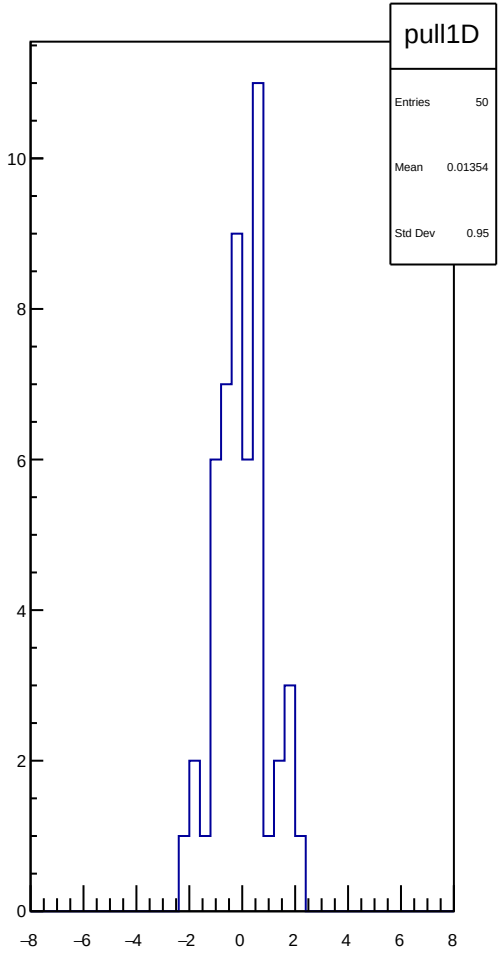
0.5
0
−0.5
−1
−1.5
−2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Mean 0.01354
Std Dev 0.95
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−4
−2
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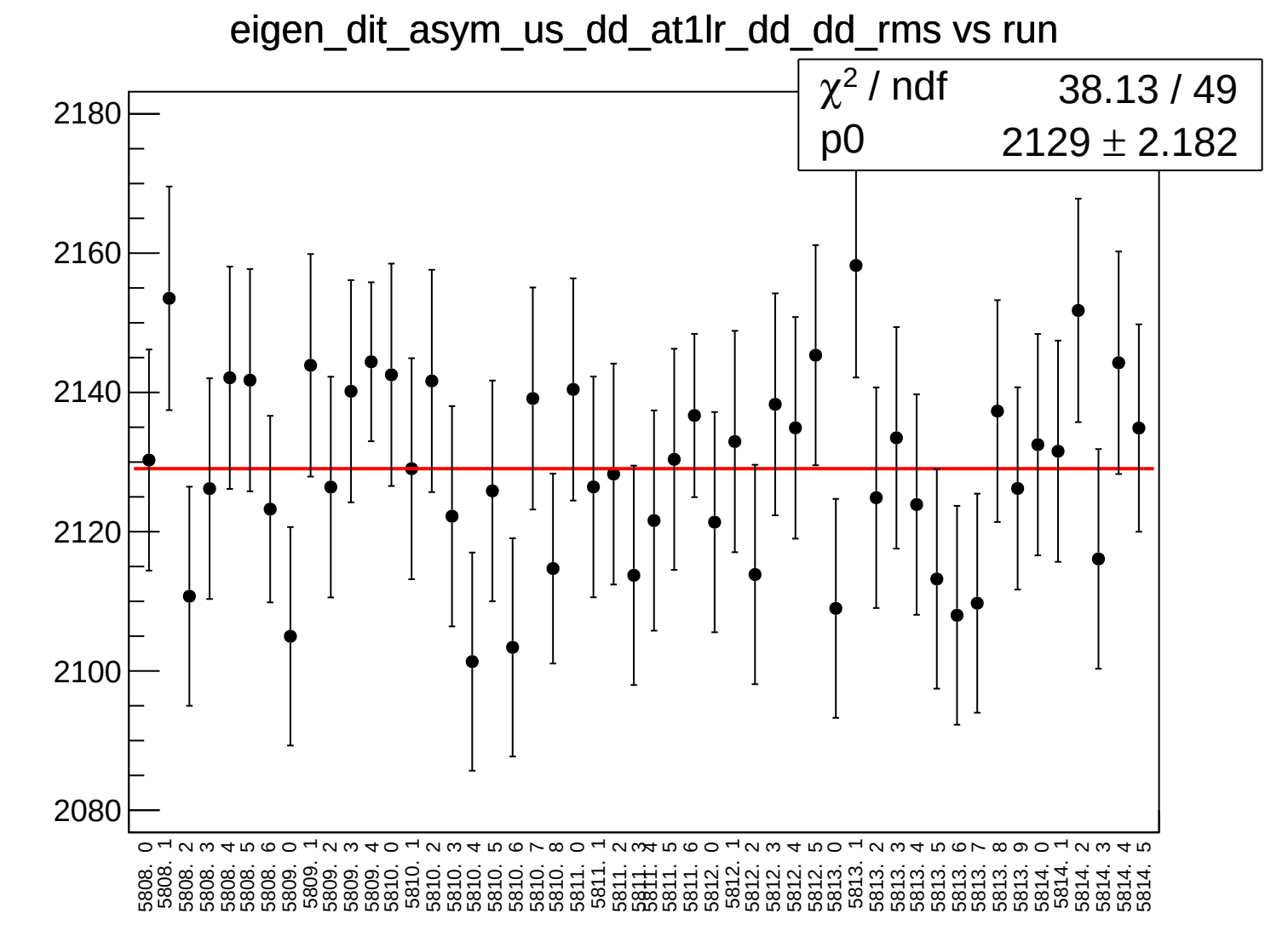
2
4
6
8


eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 38.13 / 49
p0 2129 ± 2.182
2180
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2120
2100
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5808. 0
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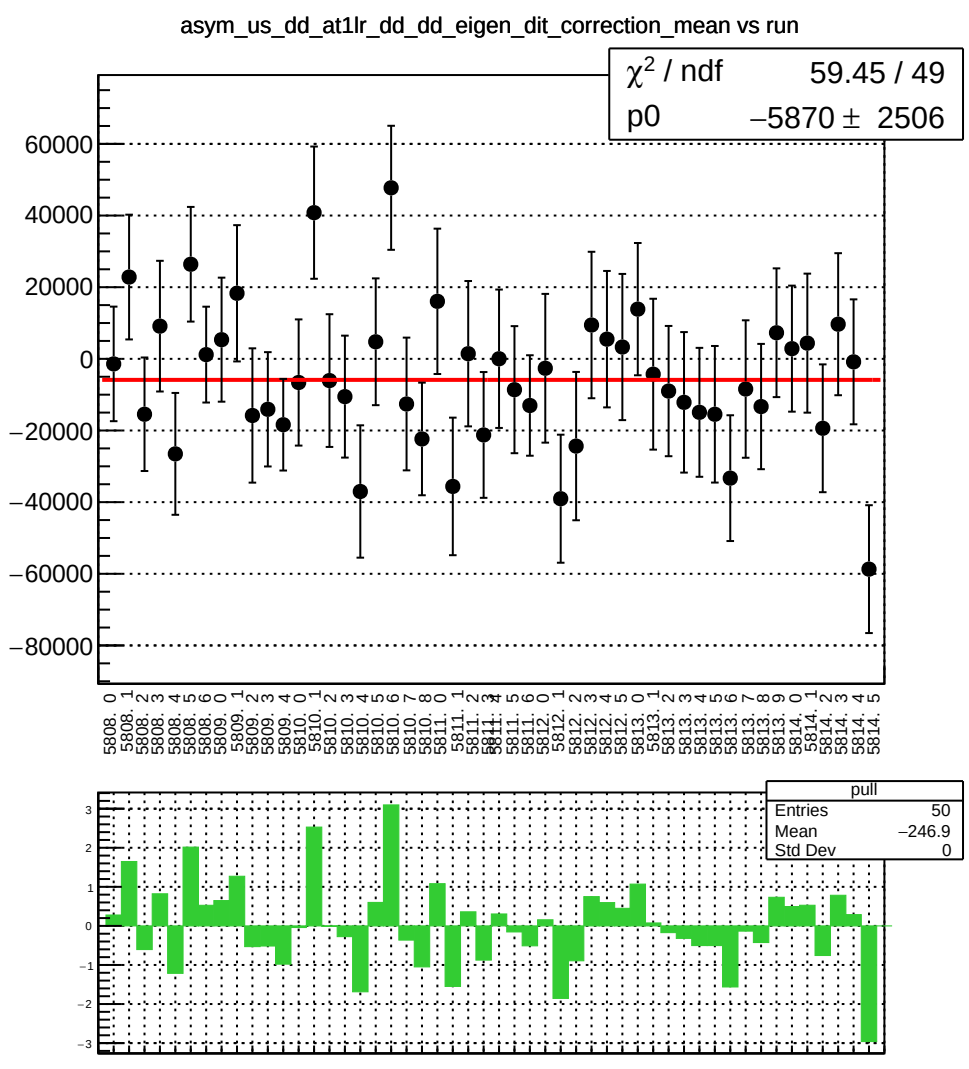
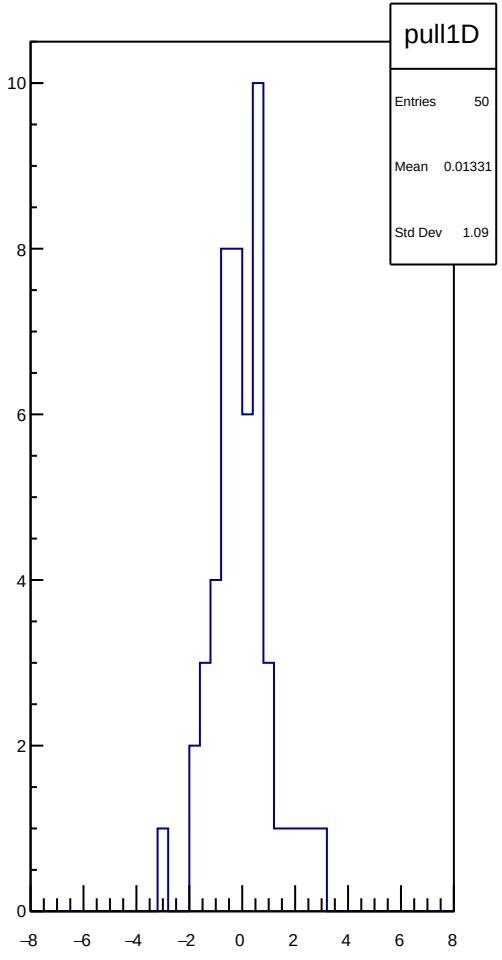
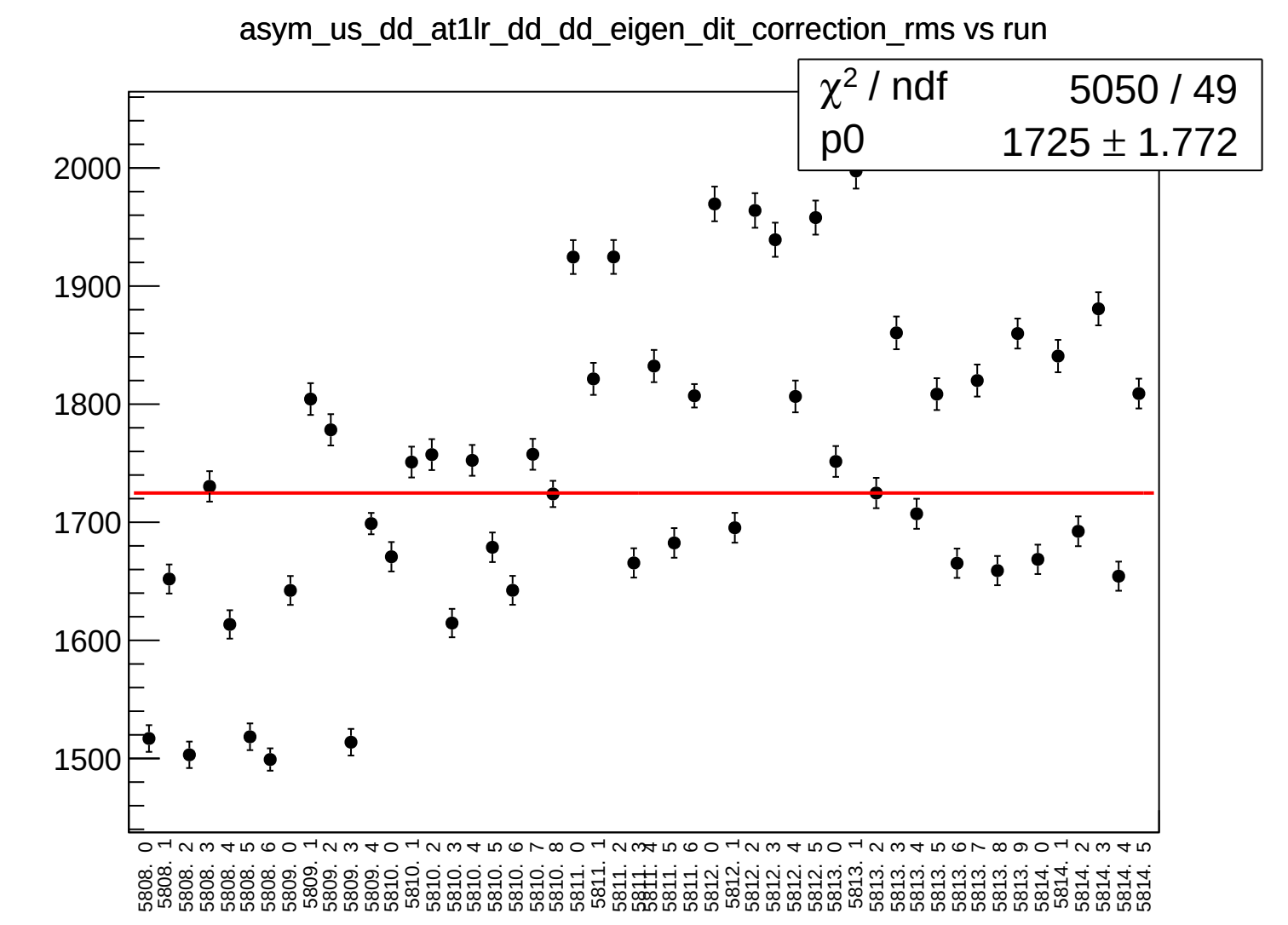
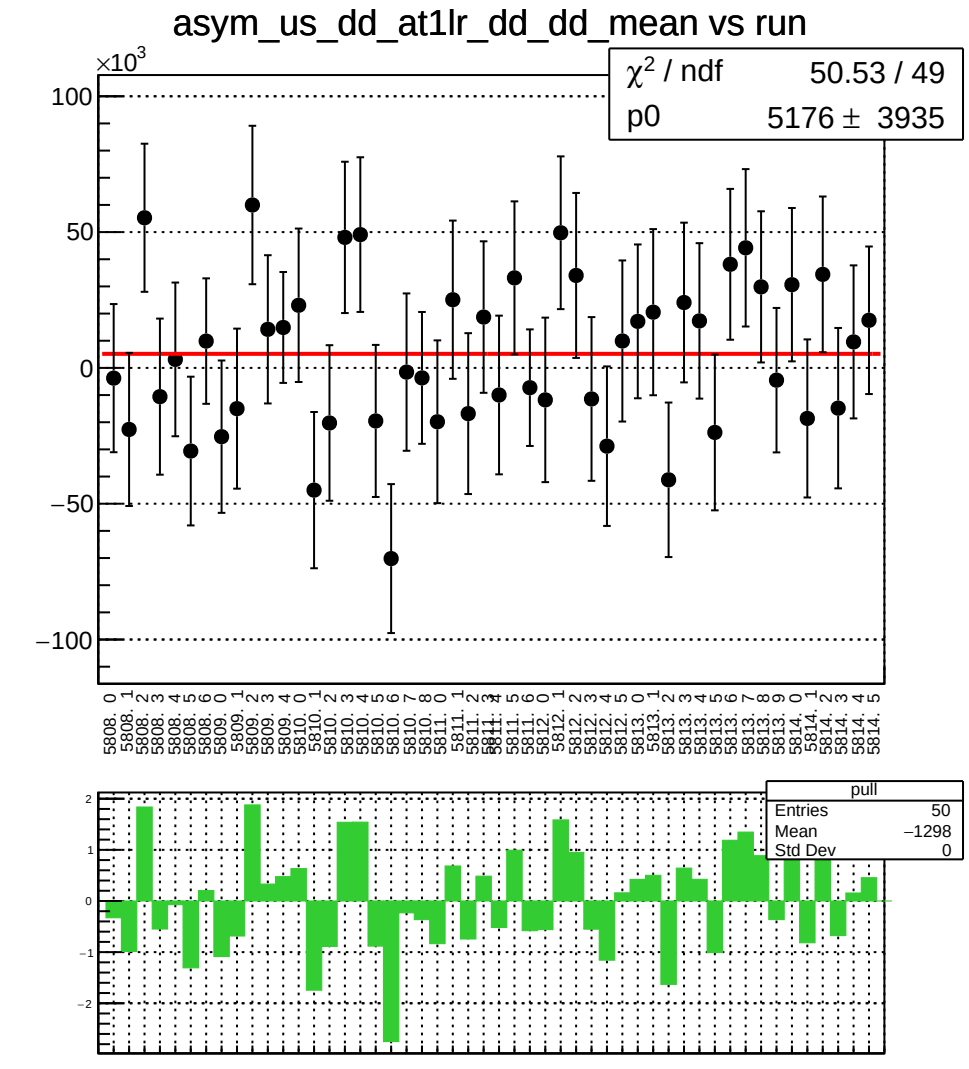
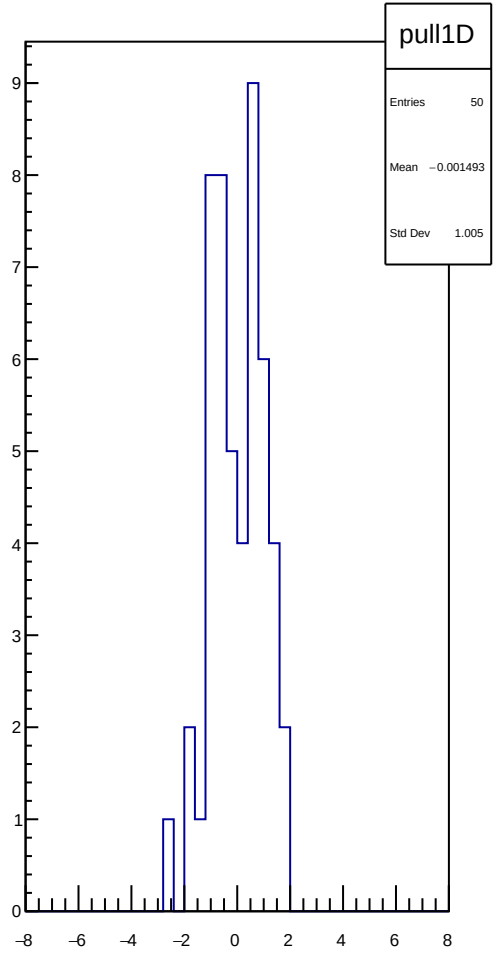
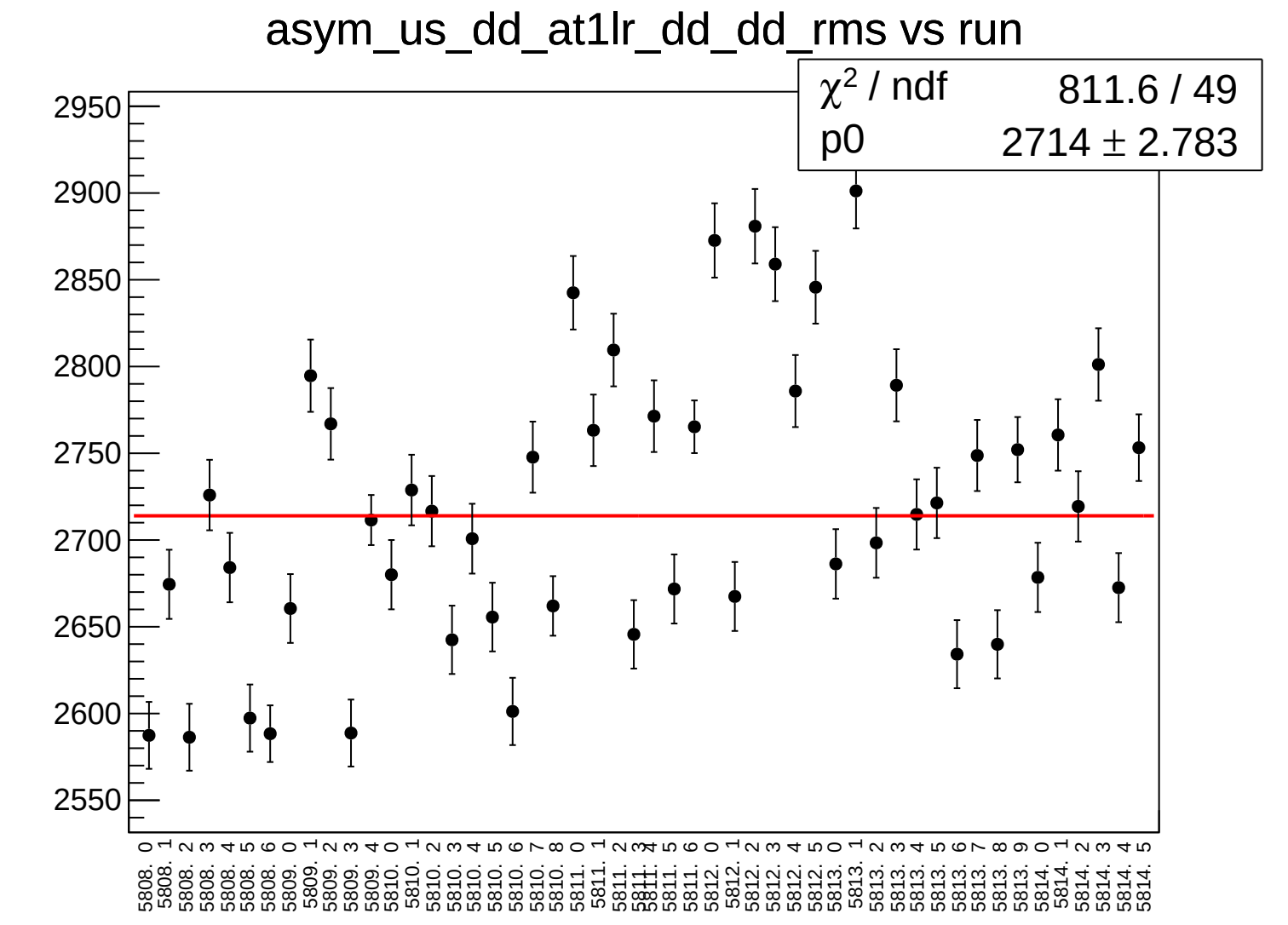

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.45 / 49
p0 −5870 ± 2506
pull
Entries 50
Mean −246.9
Std Dev 0

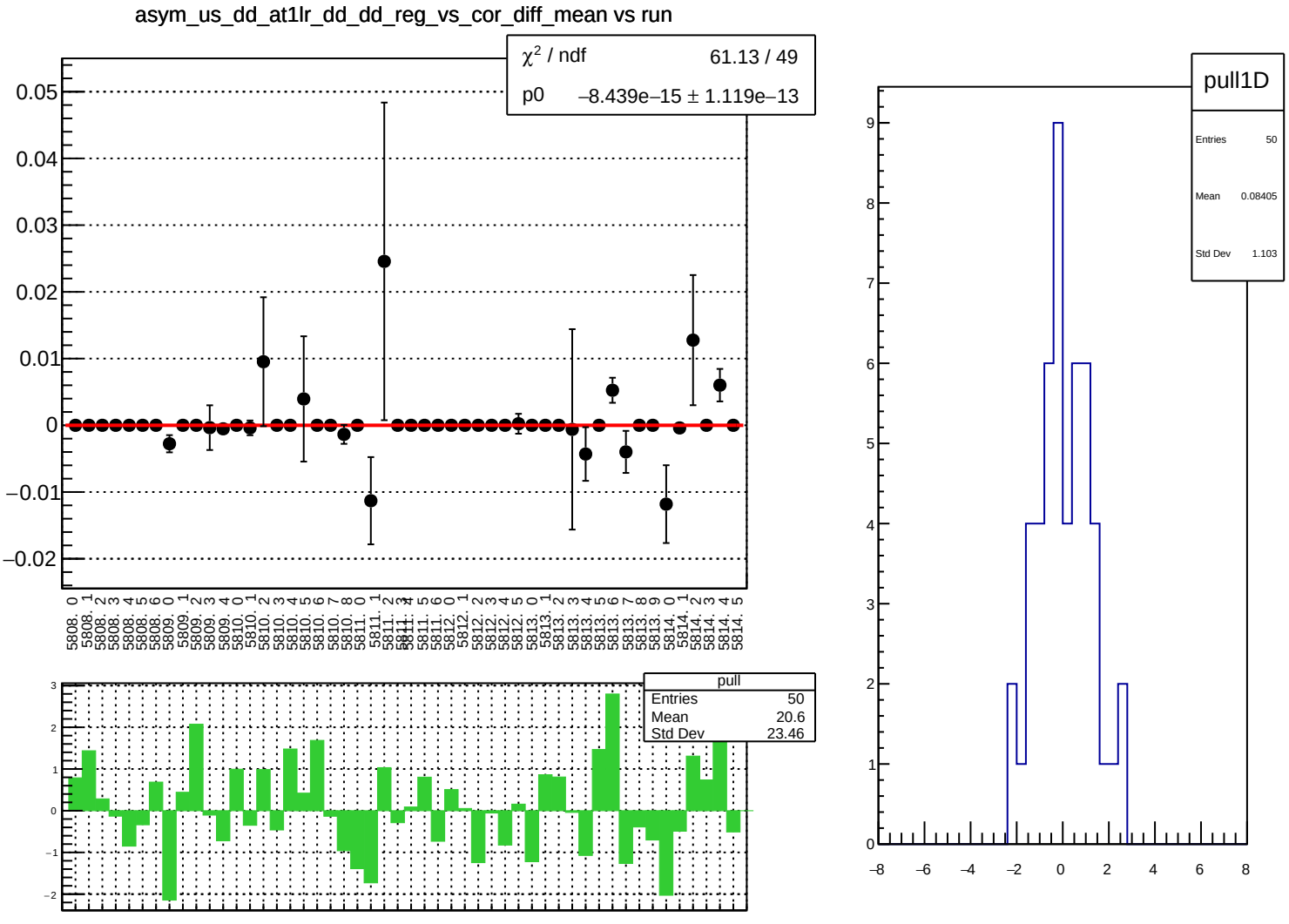

pull1D
Entries 50
Mean 0.01331
Std Dev 1.09

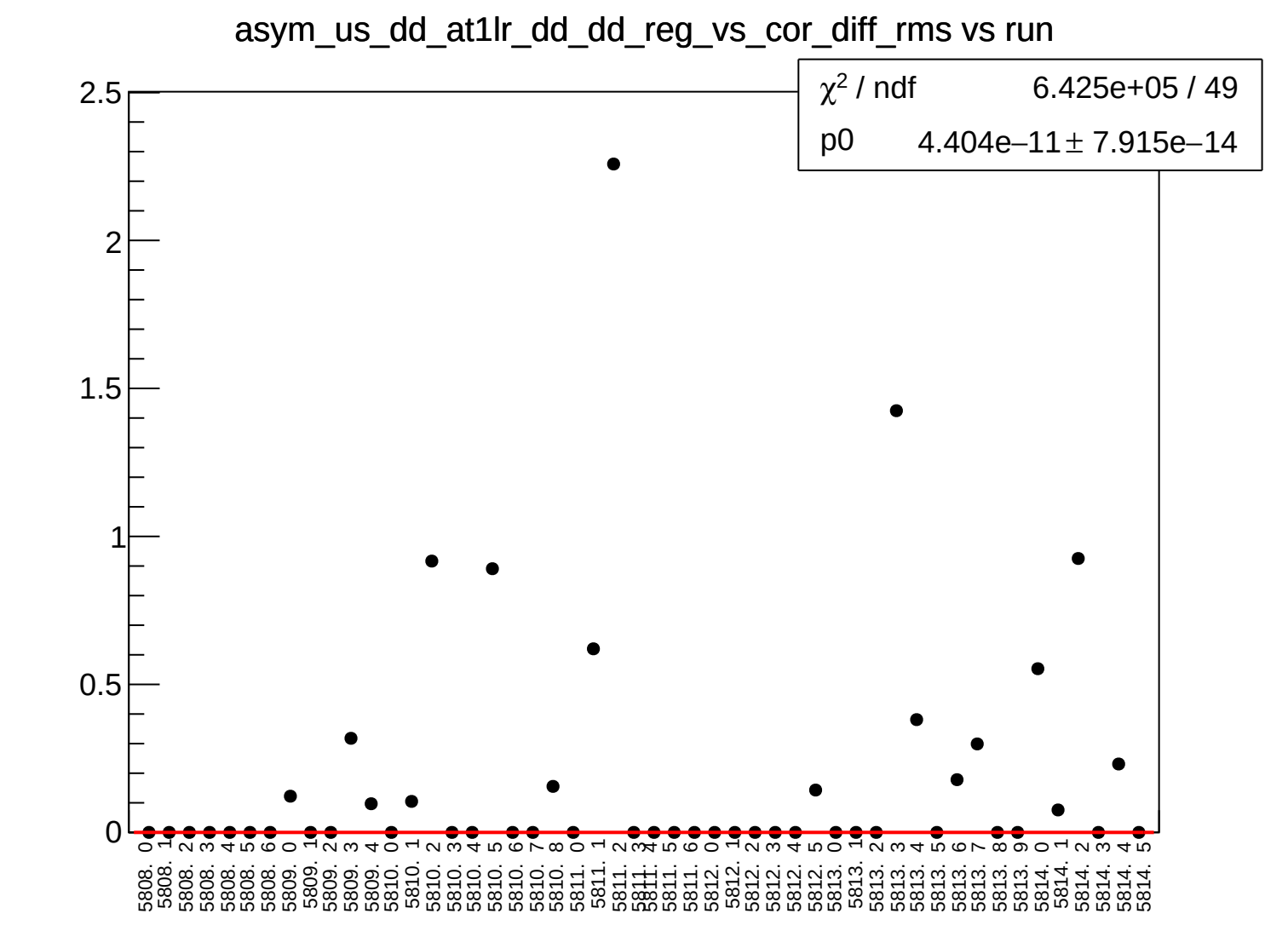

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 5050 / 49
p0 1725 ± 1.772
2000
1900
1800
1700
1600
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

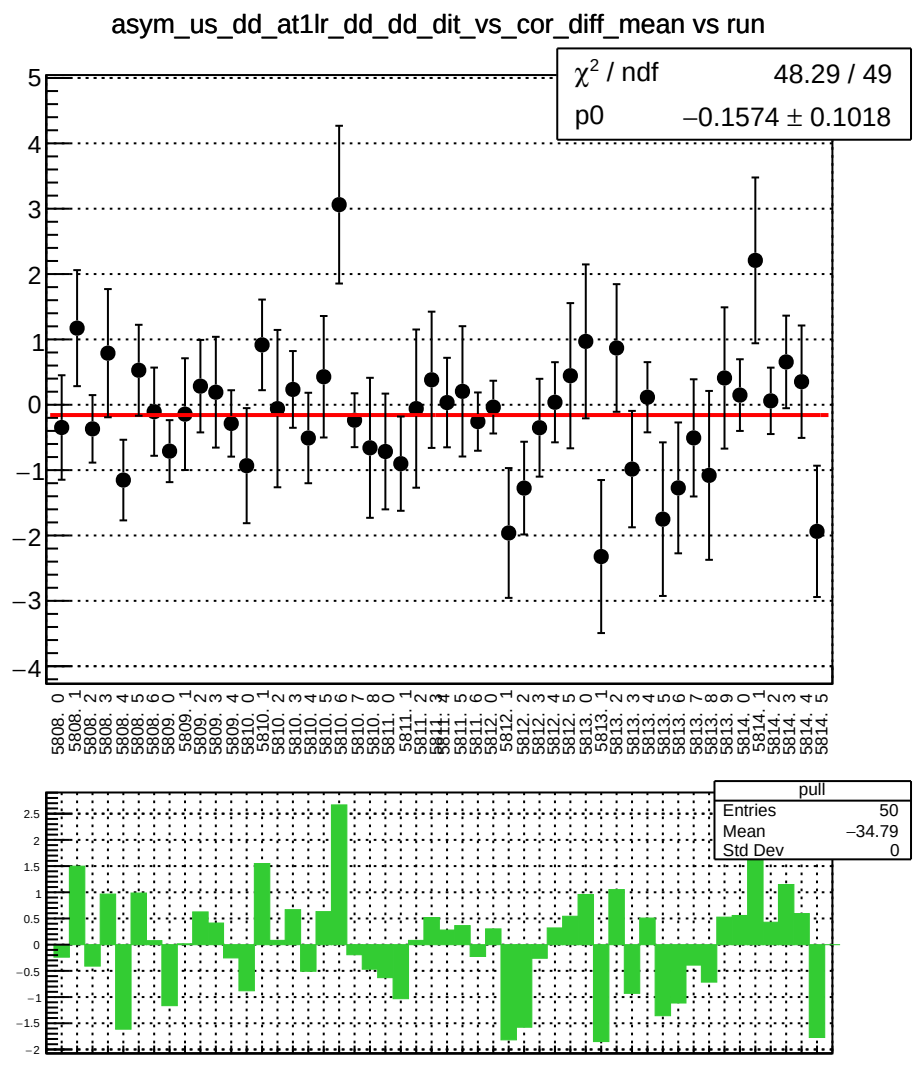

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 50.53 / 49
p0 5176 ± 3935
100
50
0
−50
−100
pull
Entries 50
Mean −1298
Std Dev 0
2
1
0
−1
−2

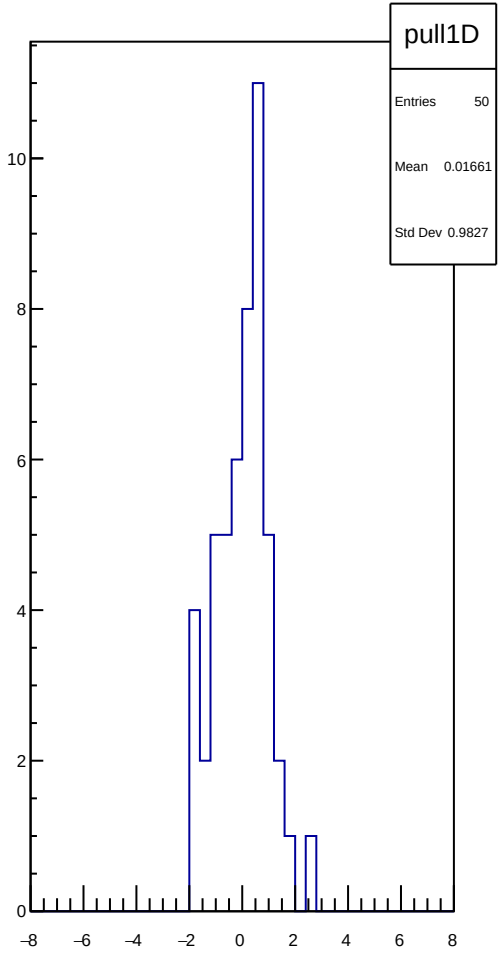

pull1D
Entries 50
Mean −0.001493
Std Dev 1.005
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

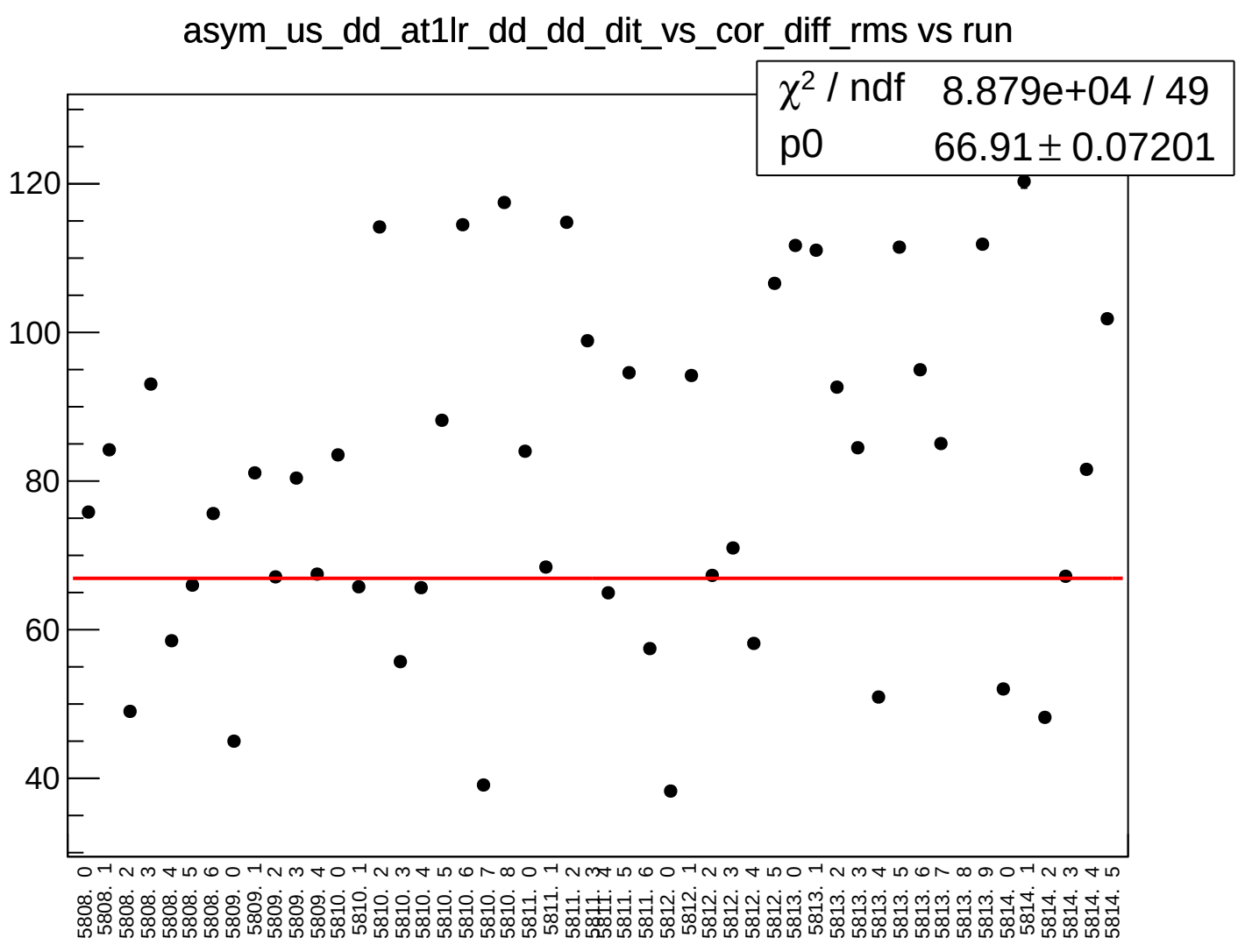

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 811.6 / 49
p0 2714 ± 2.783
2950
2900
2850
2800
2750
2700
2650
2600
2550
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

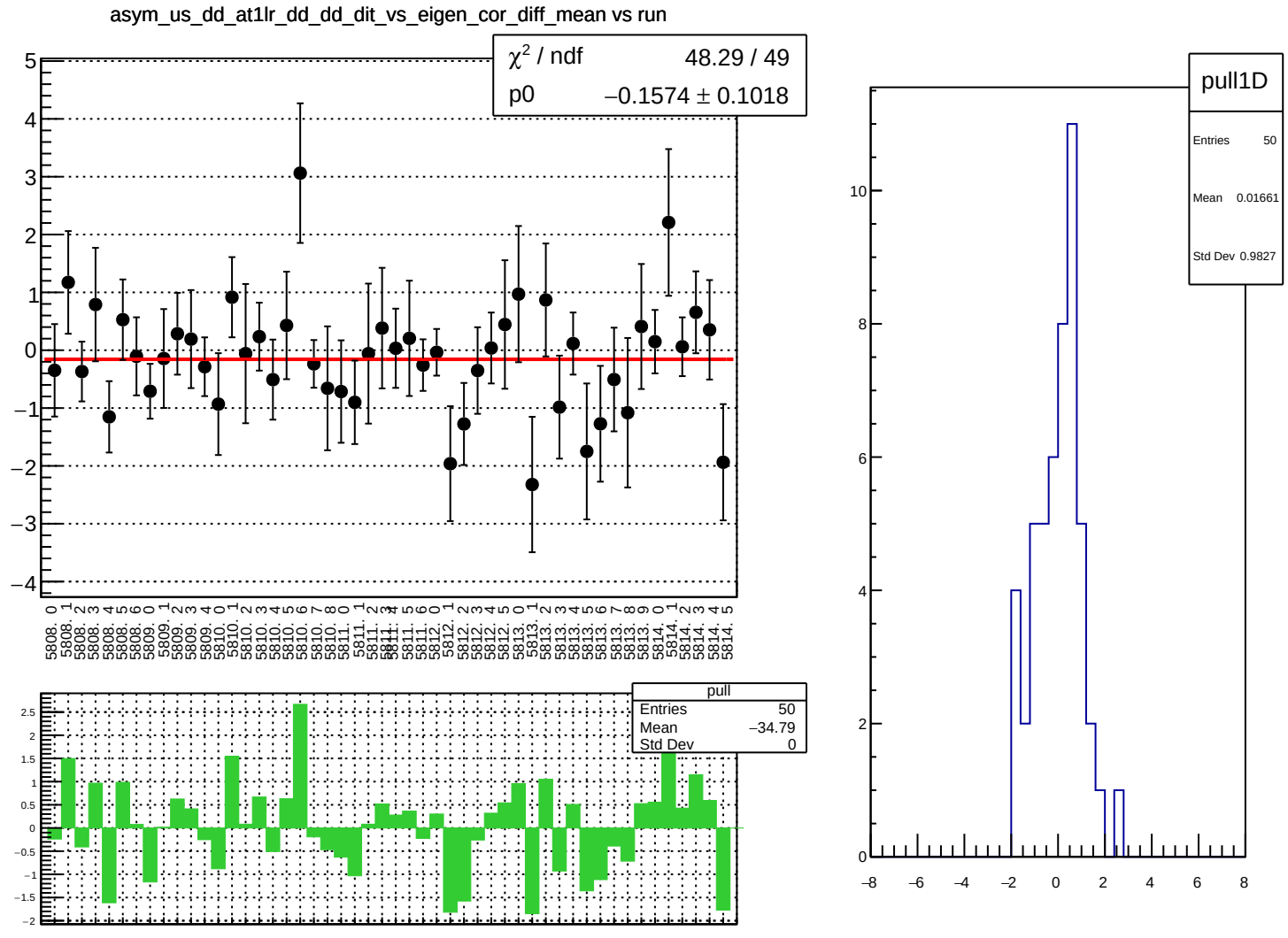

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.13 / 49
p0 −8.439e−15 ± 1.119e−13
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 20.6
Std Dev 23.46
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.08405
Std Dev 1.103
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

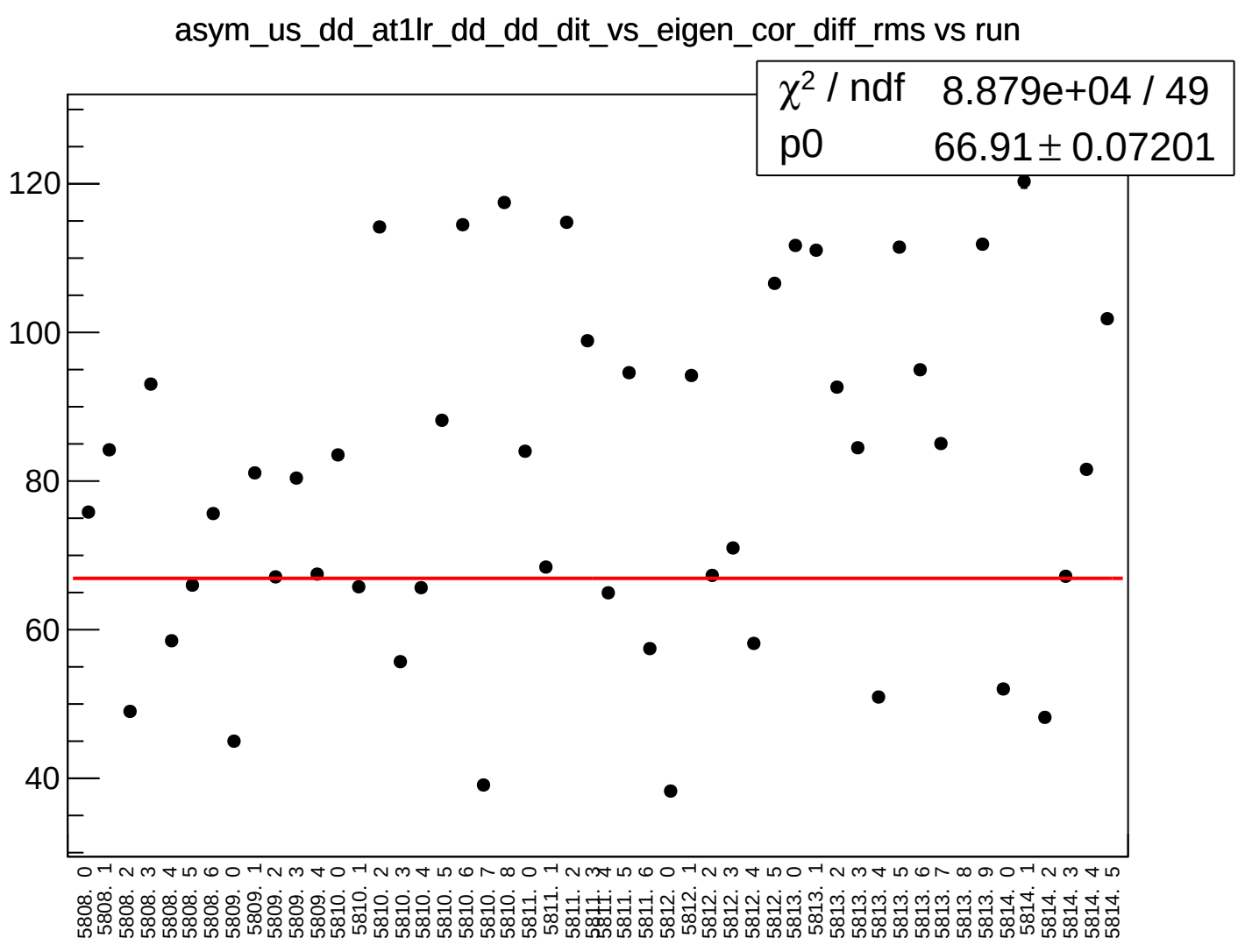

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.425e+05 / 49
p0 4.404e−11 ± 7.915e−14
2.5
2
1.5
1
0.5
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

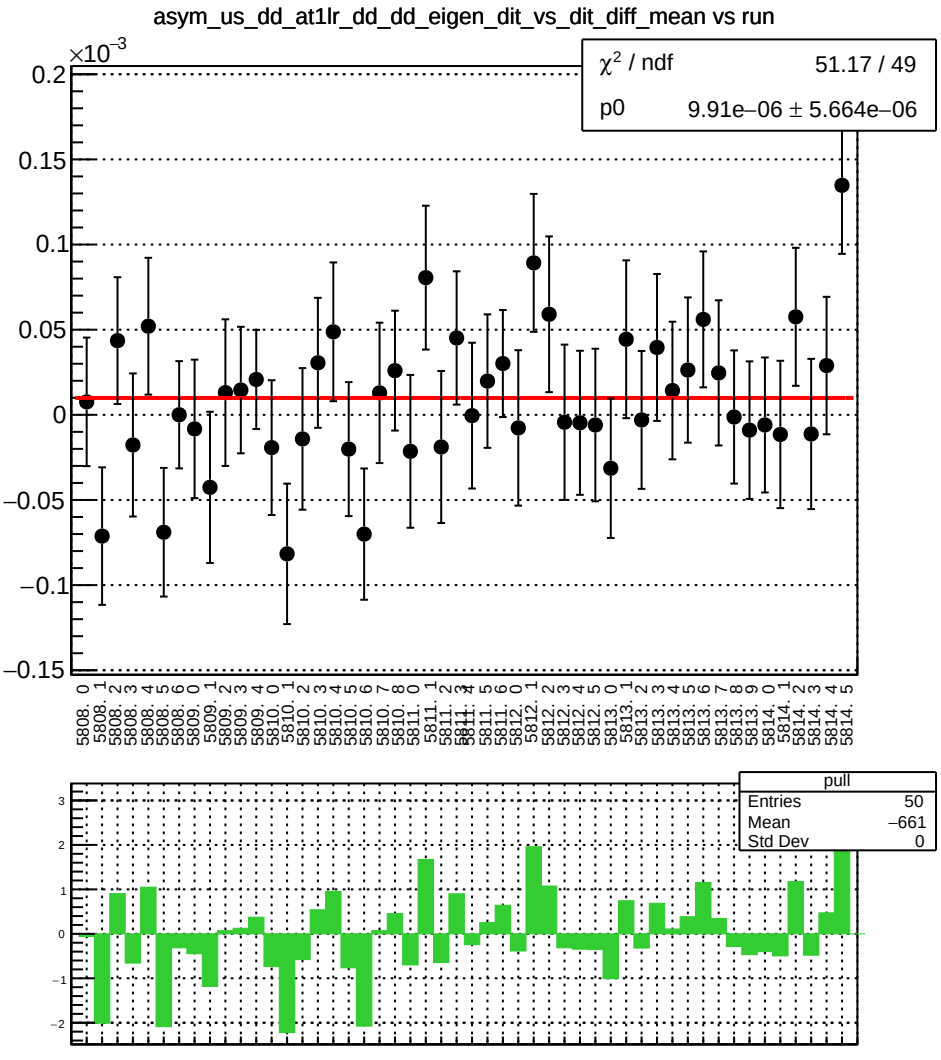

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.29 / 49
p0 −0.1574 ± 0.1018
pull
Entries 50
Mean −34.79
Std Dev 0

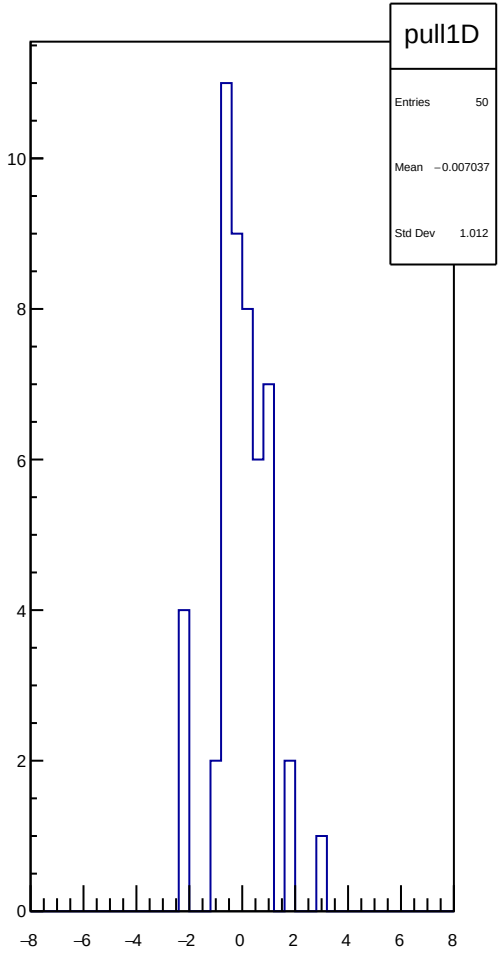

pull1D
Entries 50
Mean 0.01661
Std Dev 0.9827

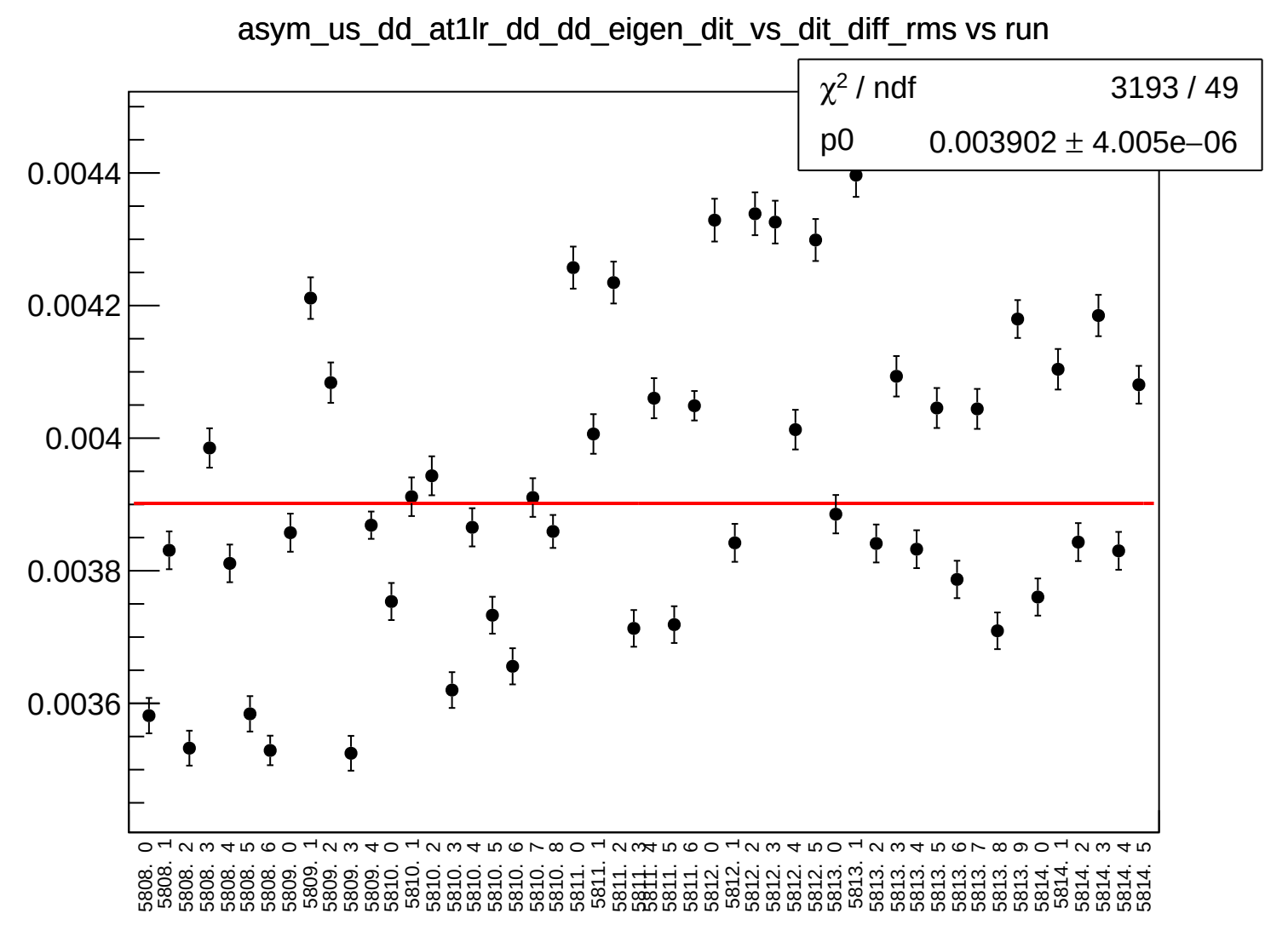

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 8.879e+04 / 49
p0 66.91 ± 0.07201
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

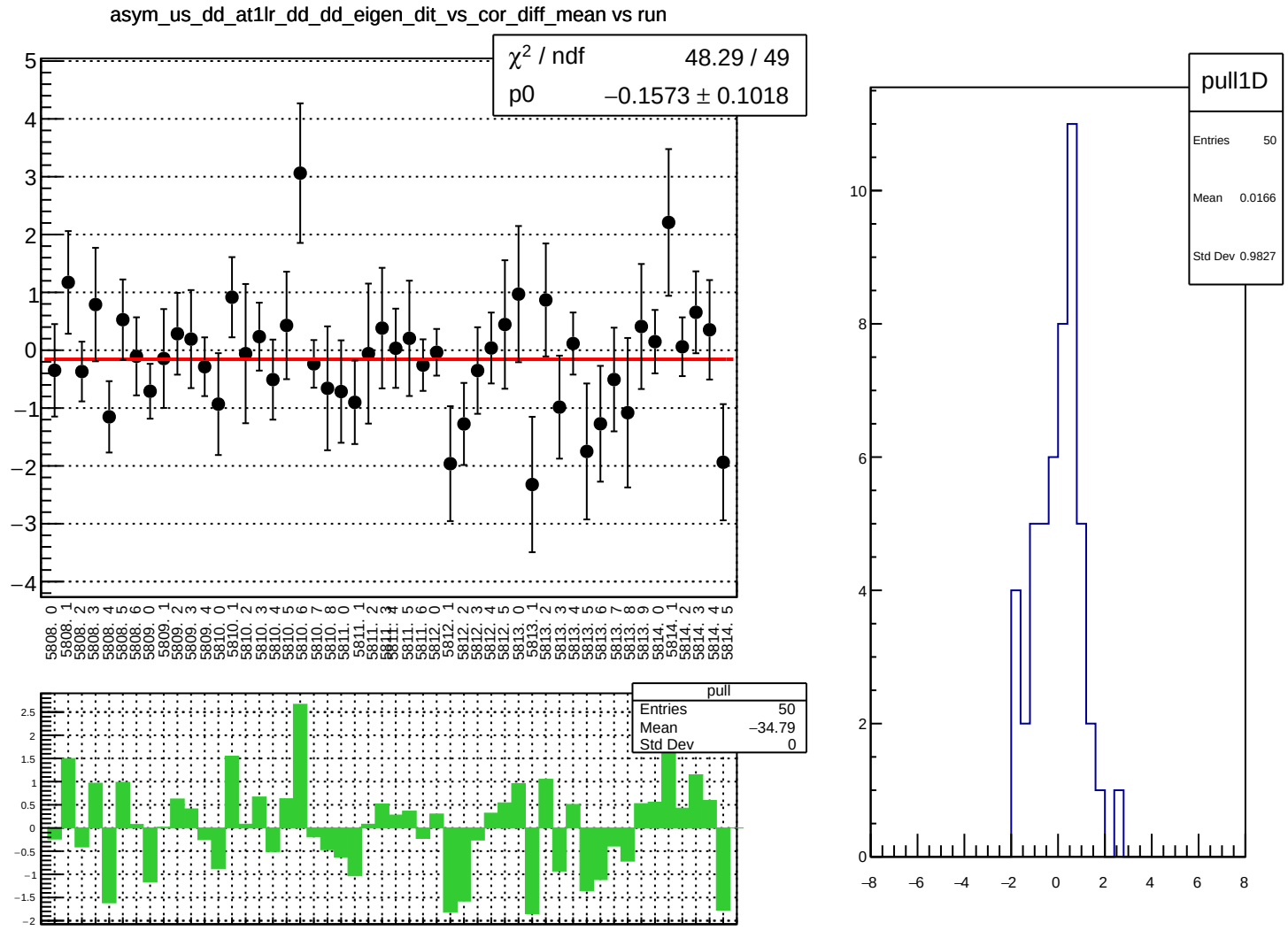

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.29 / 49
p0 −0.1574 ± 0.1018
pull
Entries 50
Mean −34.79
Std Dev 0
pull1D
Entries 50
Mean 0.01661
Std Dev 0.9827

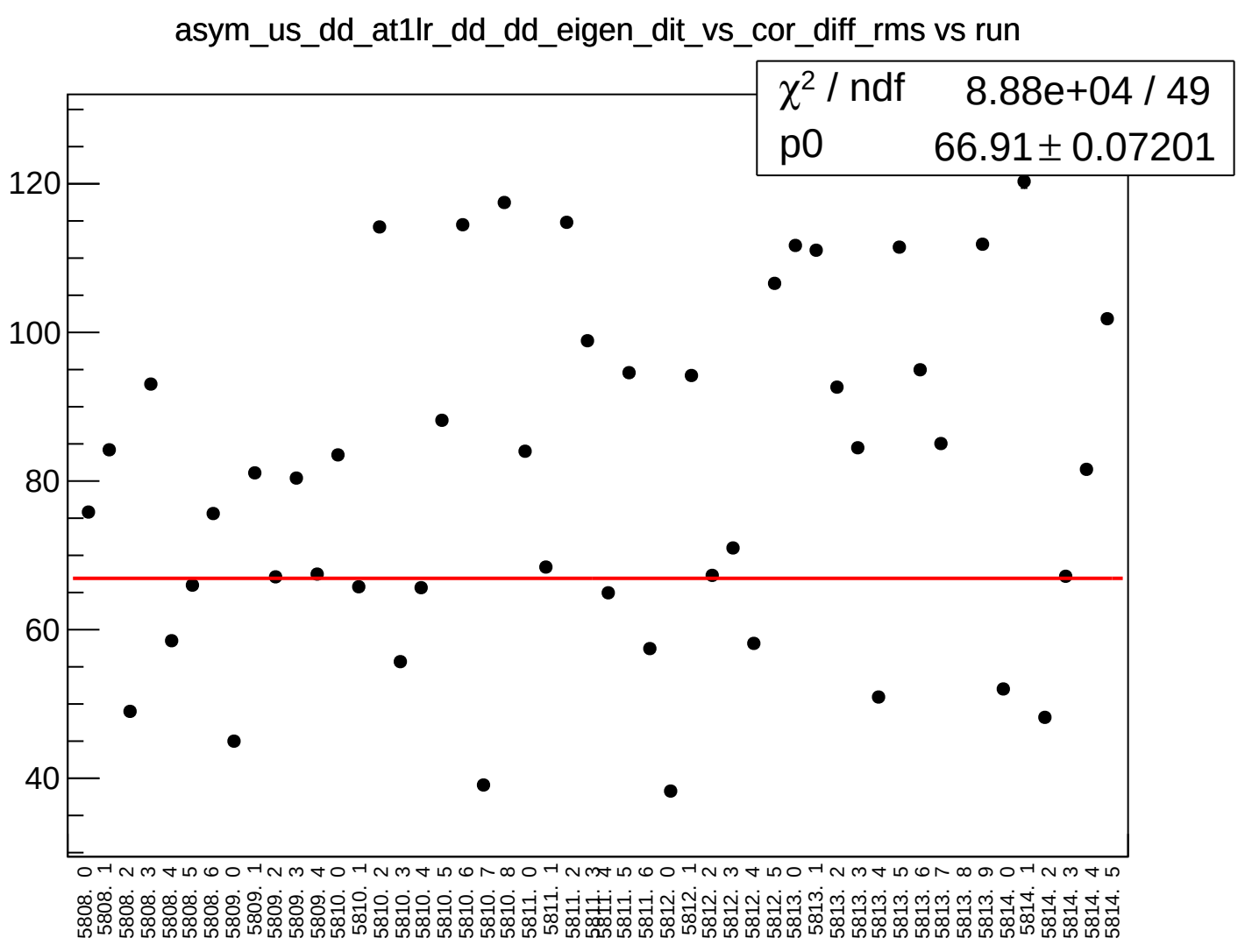

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.879e+04 / 49
p0 66.91 ± 0.07201
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

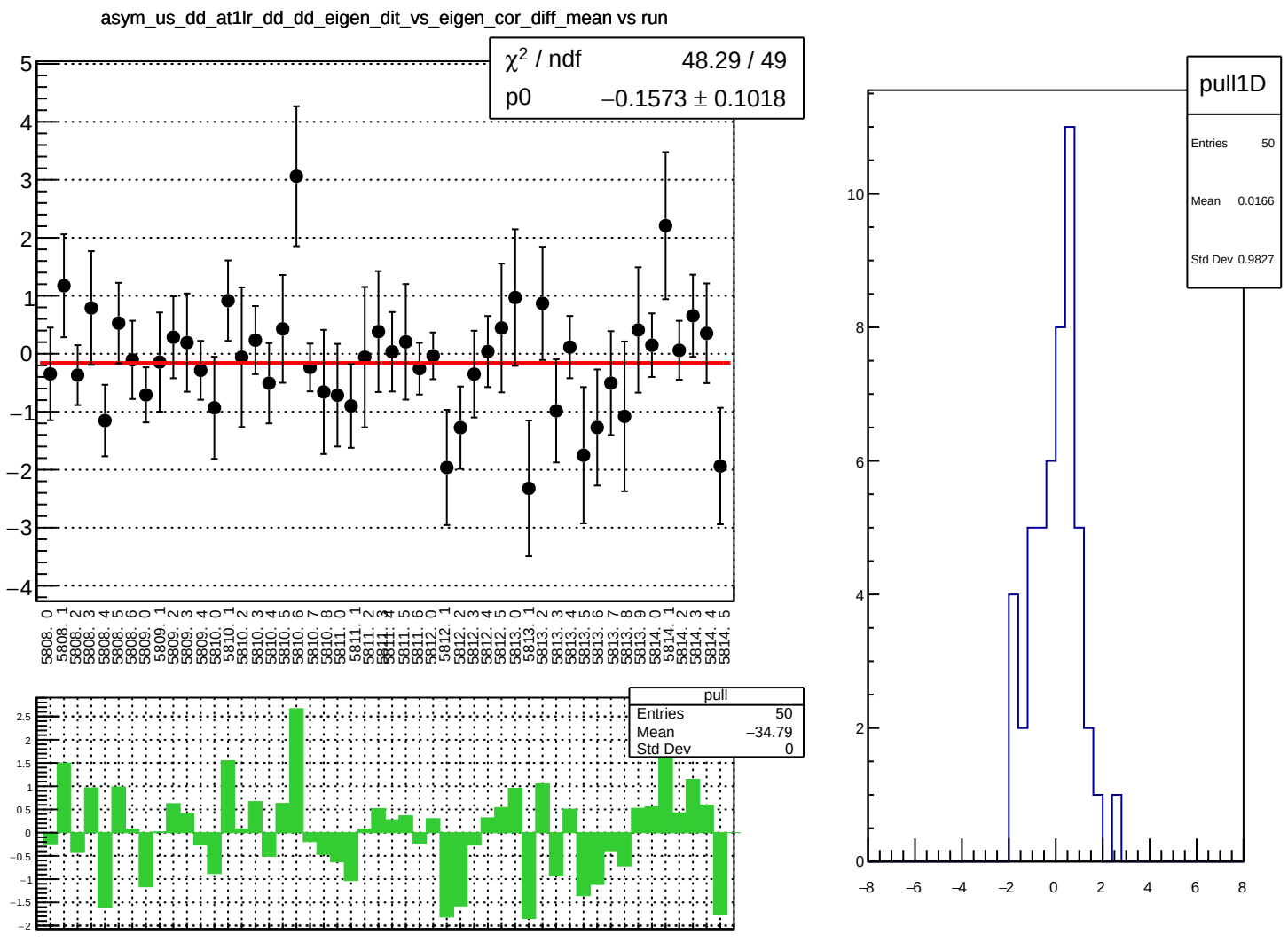

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.17 / 49
p0 9.91e−06 ± 5.664e−06
pull
Entries 50
Mean −661
Std Dev 0

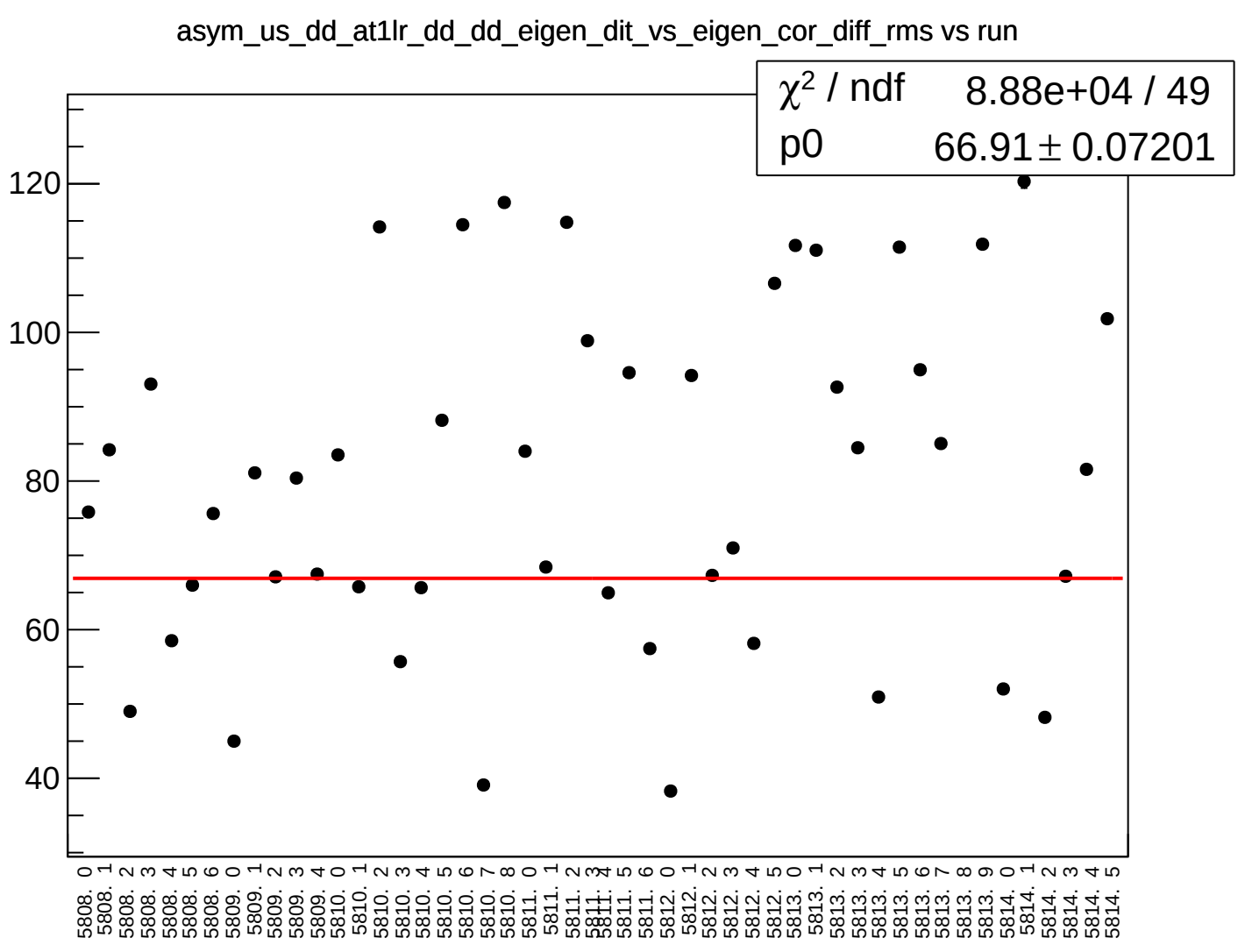

pull1D
Entries 50
Mean −0.007037
Std Dev 1.012

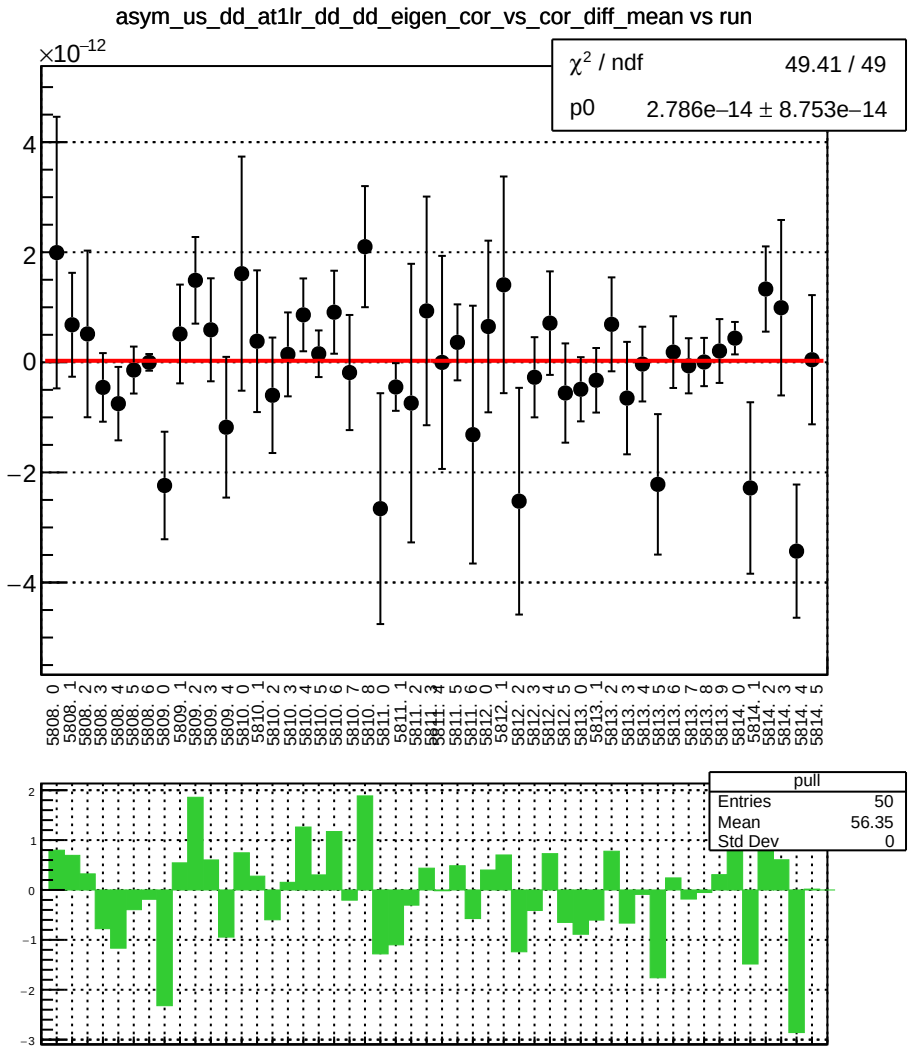

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3193 / 49
p0 0.003902 ± 4.005e−06
0.0044
0.0042
0.004
0.0038
0.0036
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

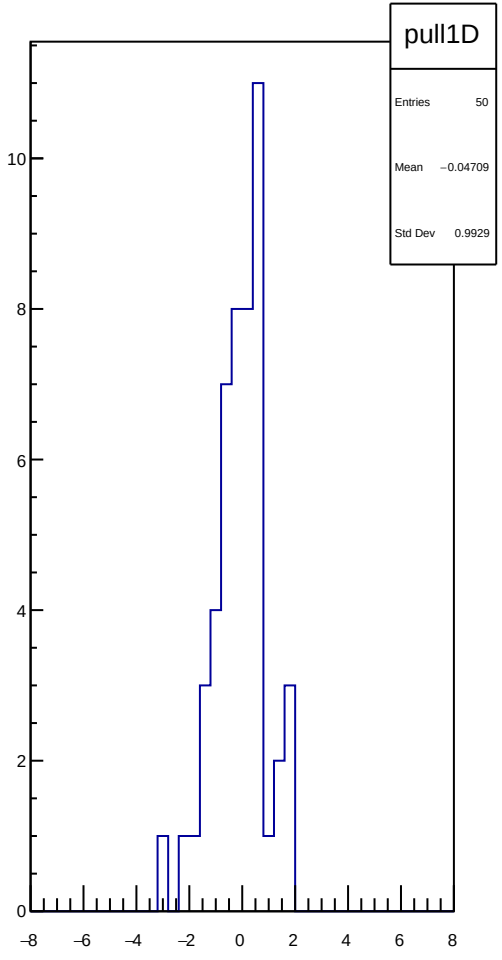

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.29 / 49
p0 −0.1573 ± 0.1018
pull
Entries 50
Mean −34.79
Std Dev 0
pull1D
Entries 50
Mean 0.0166
Std Dev 0.9827

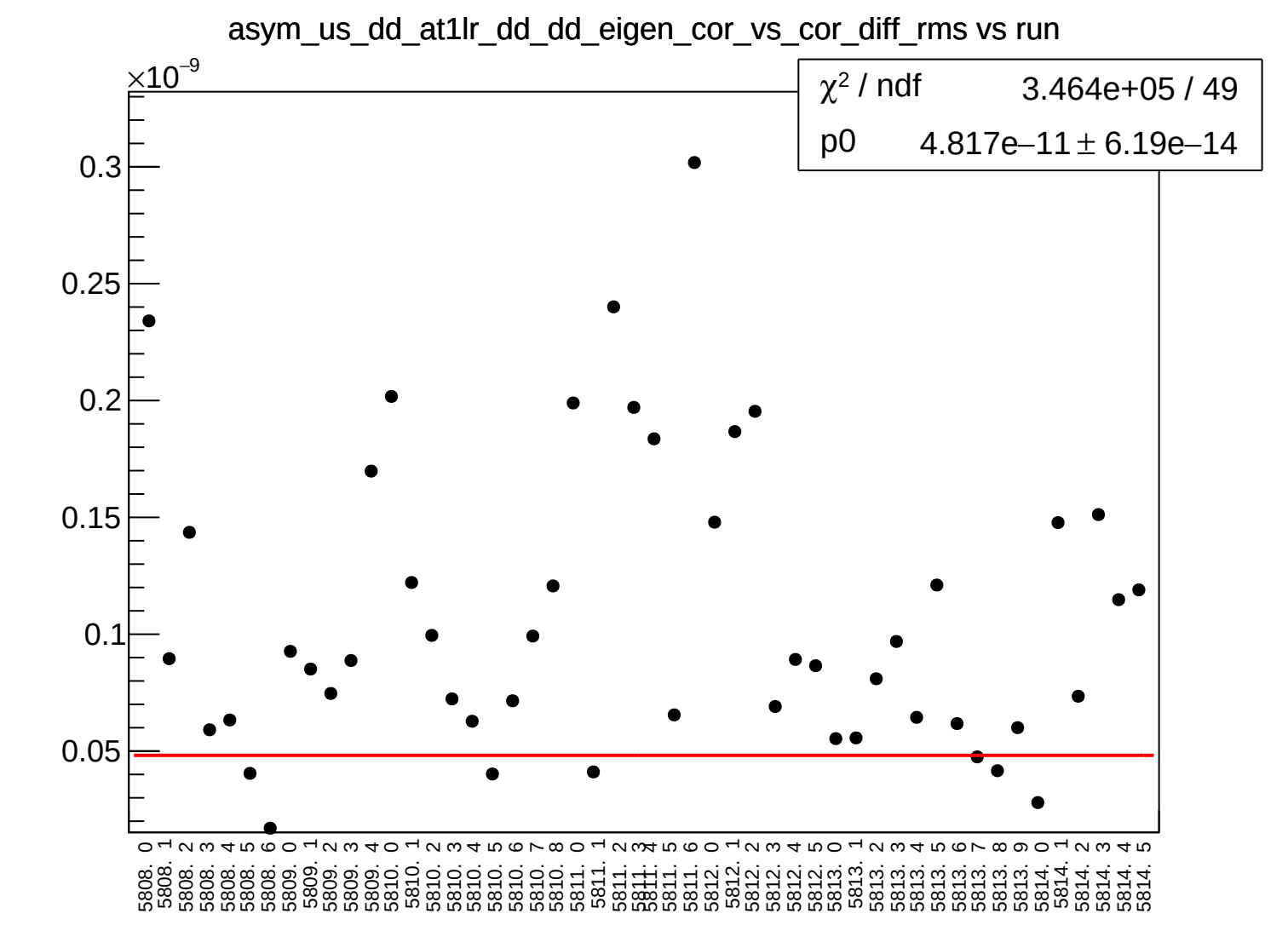

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.88e+04 / 49
p0 66.91 ± 0.07201
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

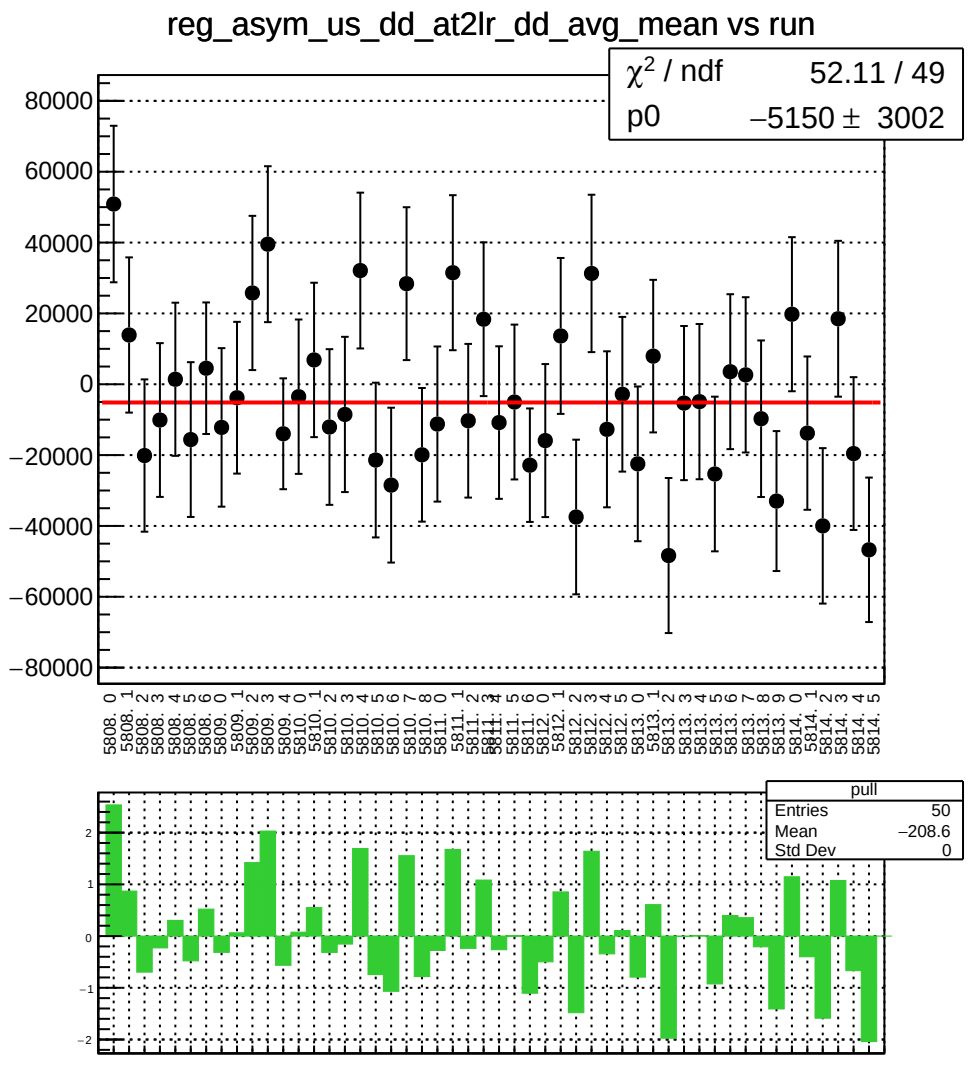

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.29 / 49
p0 −0.1573 ± 0.1018
pull
Entries 50
Mean −34.79
Std Dev 0
pull1D
Entries 50
Mean 0.0166
Std Dev 0.9827

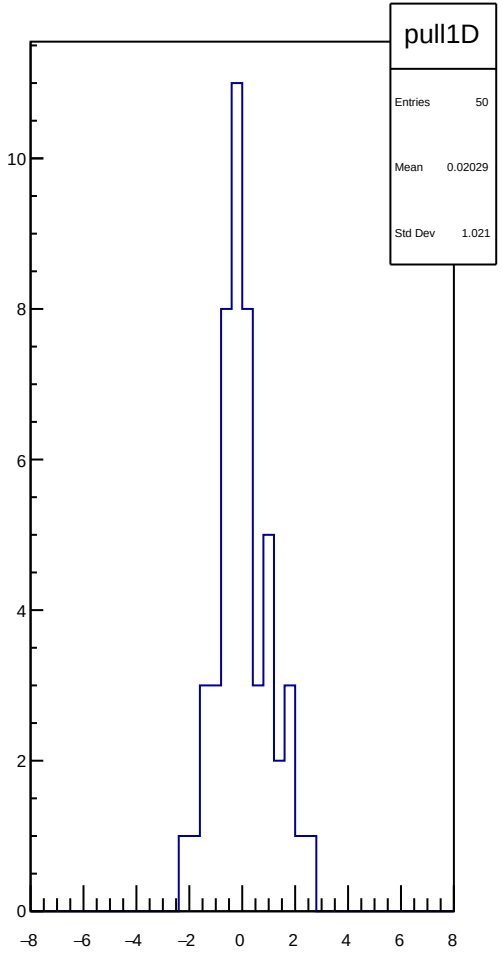

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.88e+04 / 49
p0 66.91 ± 0.07201
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

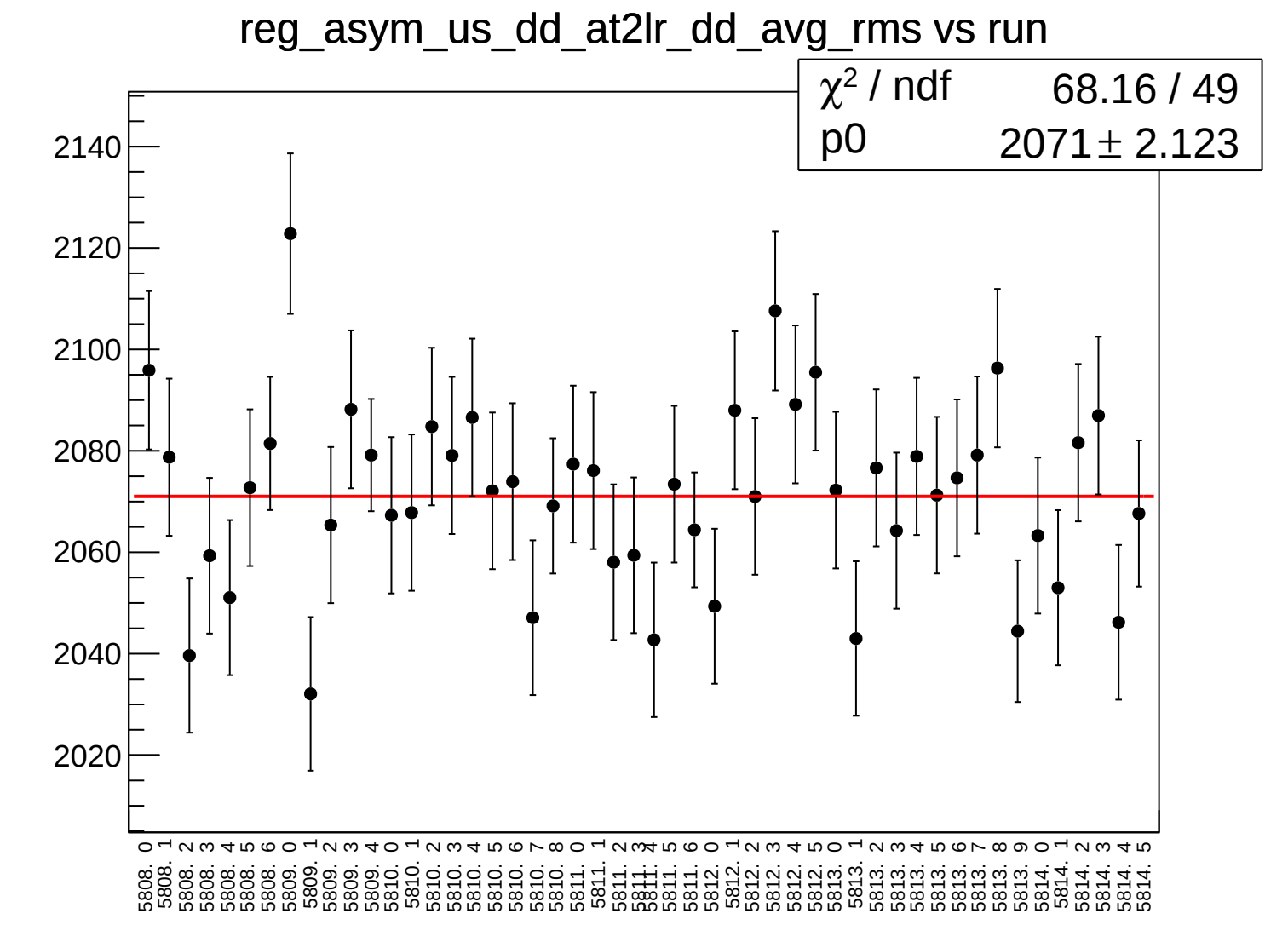

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.41 / 49
p0 2.786e−14 ± 8.753e−14
pull
Entries 50
Mean 56.35
Std Dev 0


pull1D
Entries 50
Mean −0.04709
Std Dev 0.9929


asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.464e+05 / 49
p0 4.817e−11 ± 6.19e−14
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 52.11 / 49
p0 −5150 ± 3002
pull
Entries 50
Mean −208.6
Std Dev 0


pull1D
Entries 50
Mean 0.02029
Std Dev 1.021


reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 68.16 / 49
p0 2071 ± 2.123
2140
2120
2100
2080
2060
2040
2020
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5814. 2
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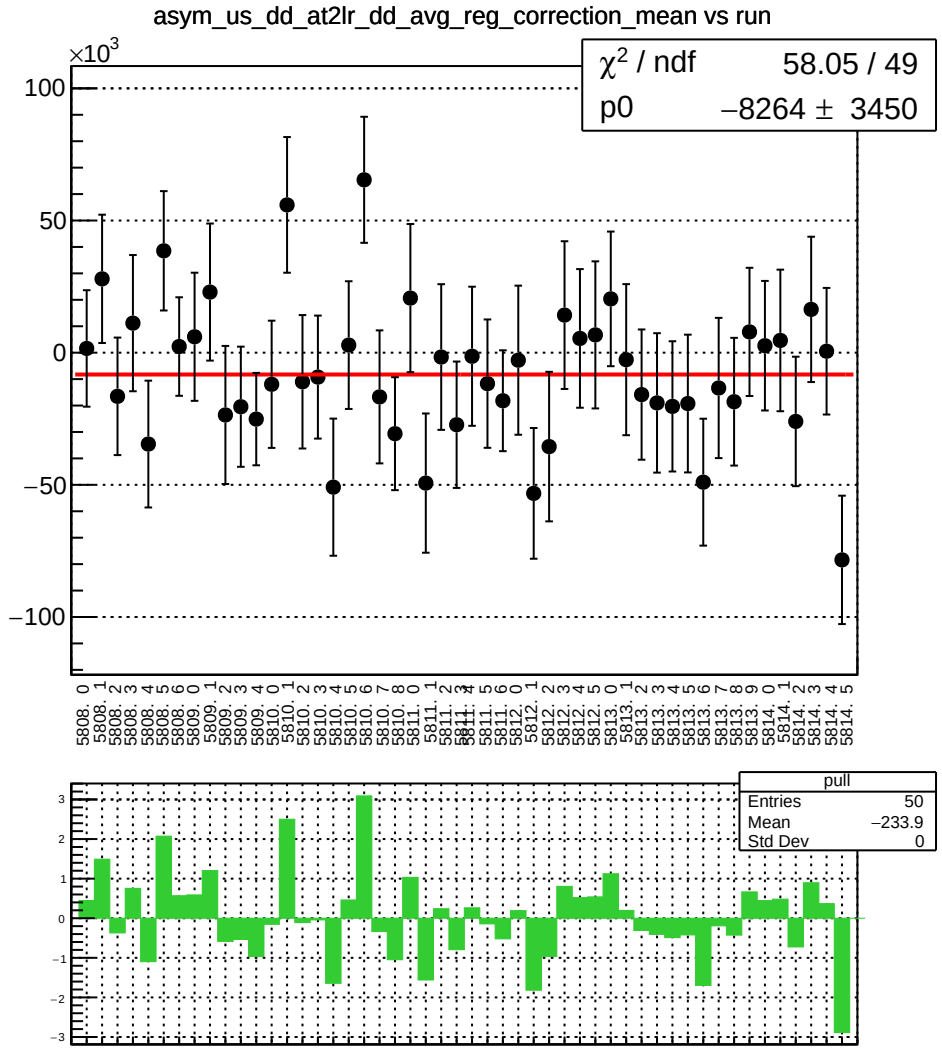
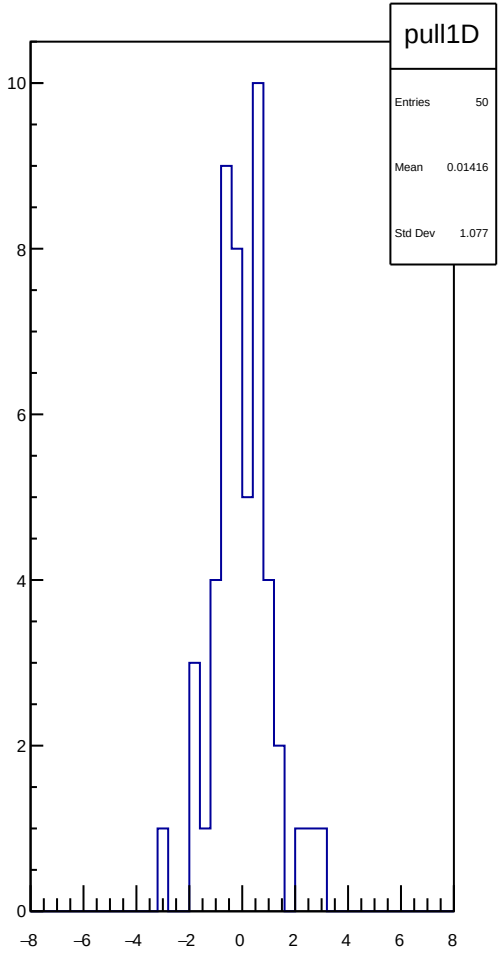
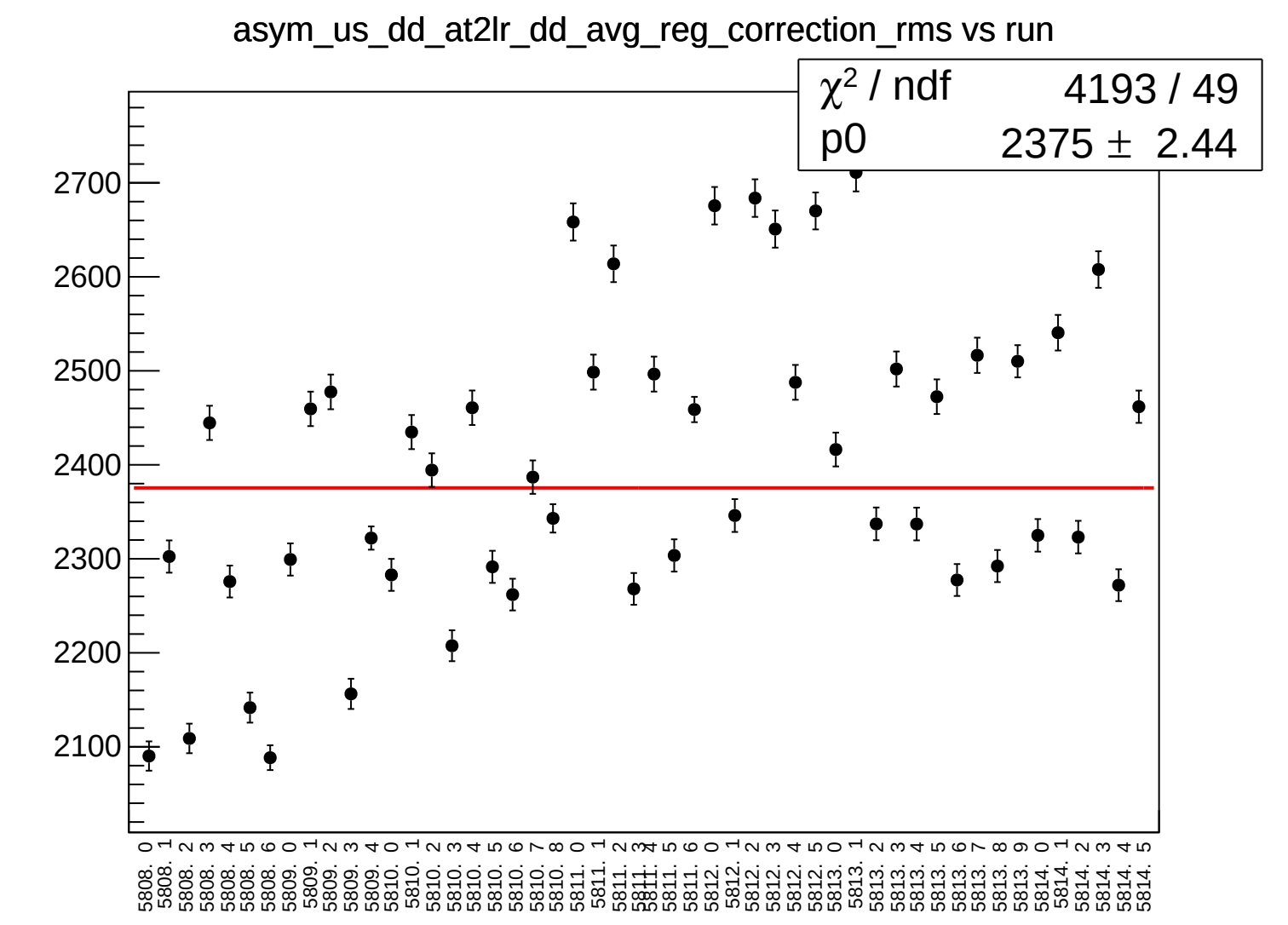
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 58.05 / 49
p0 −8264 ± 3450
100
50
0
−50
−100
pull
Entries 50
Mean −233.9
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01416
Std Dev 1.077
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 4193 / 49
p0 2375 ± 2.44
2700
2600
2500
2400
2300
2200
2100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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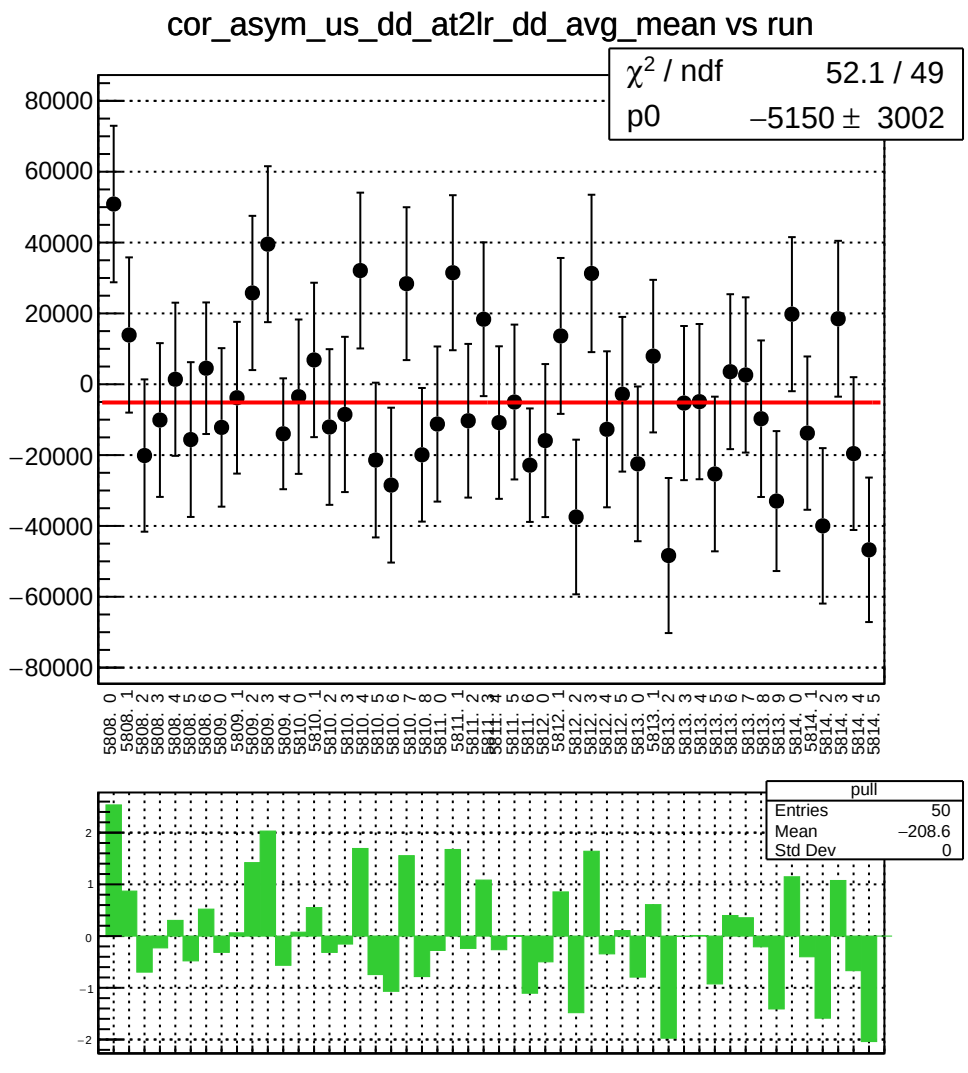
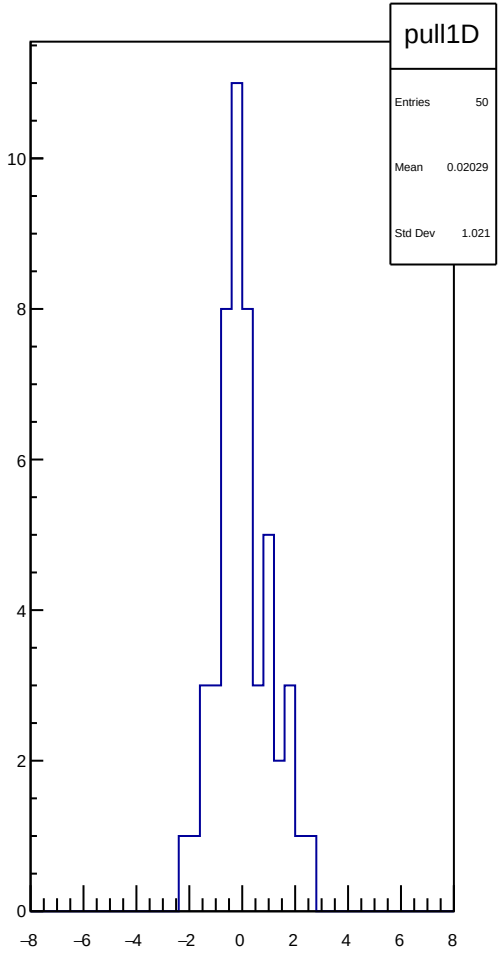
5814. 4
5814. 5


cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 52.1 / 49
p0 −5150 ± 3002
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −208.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02029
Std Dev 1.021
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8
6
4
2
0
−8
−6
−4
−2
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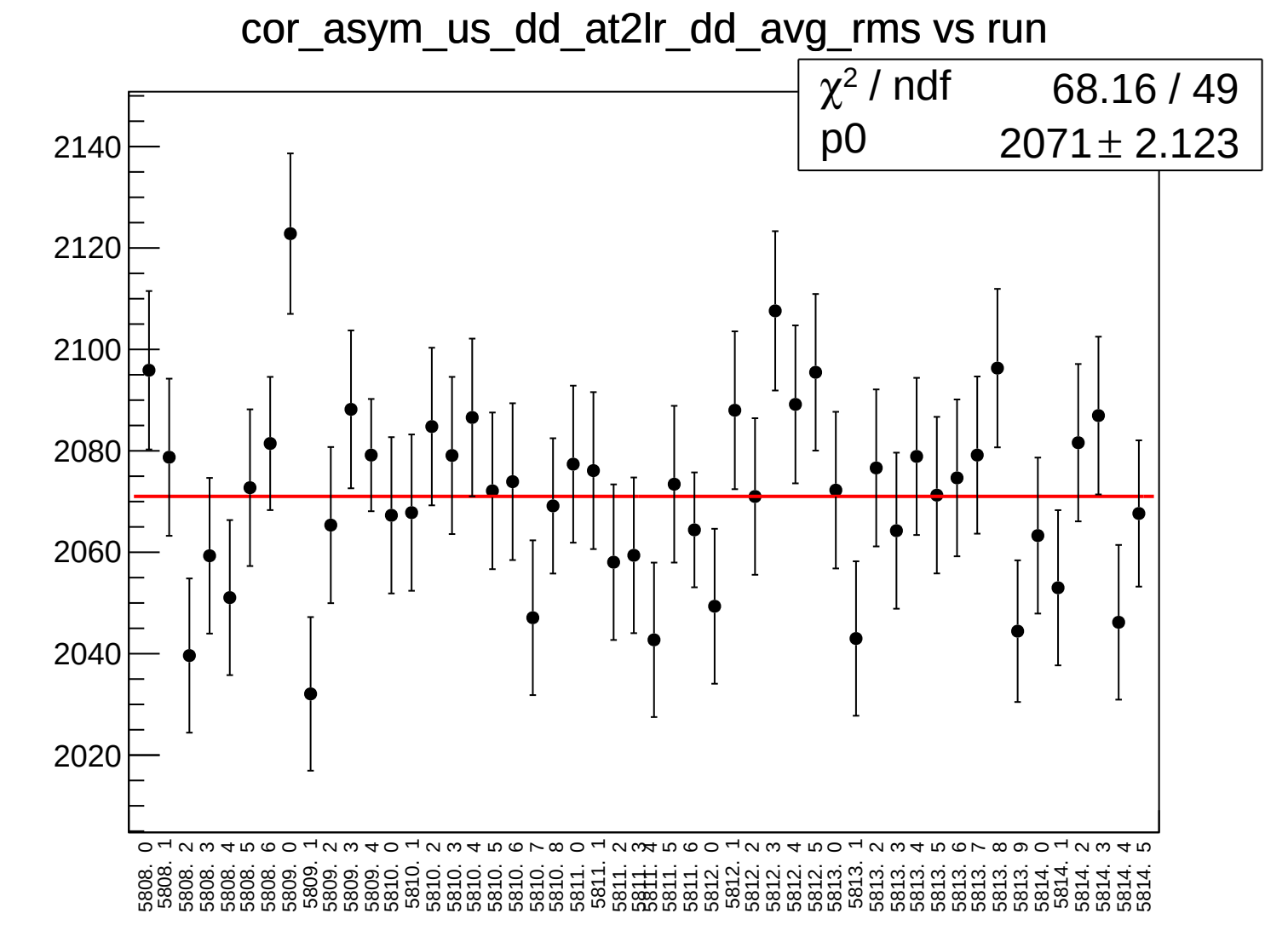
2
4
6
8


cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 68.16 / 49
p0 2071 ± 2.123
2140
2120
2100
2080
2060
2040
2020
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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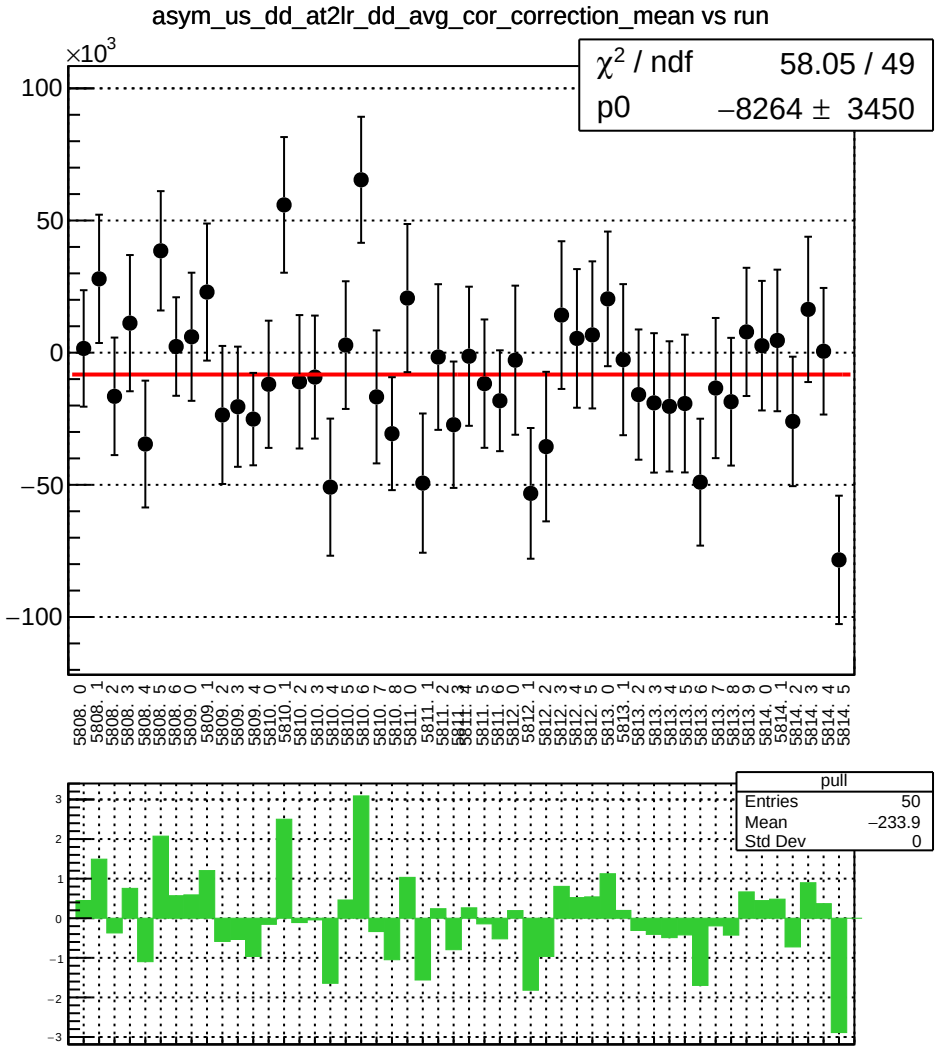
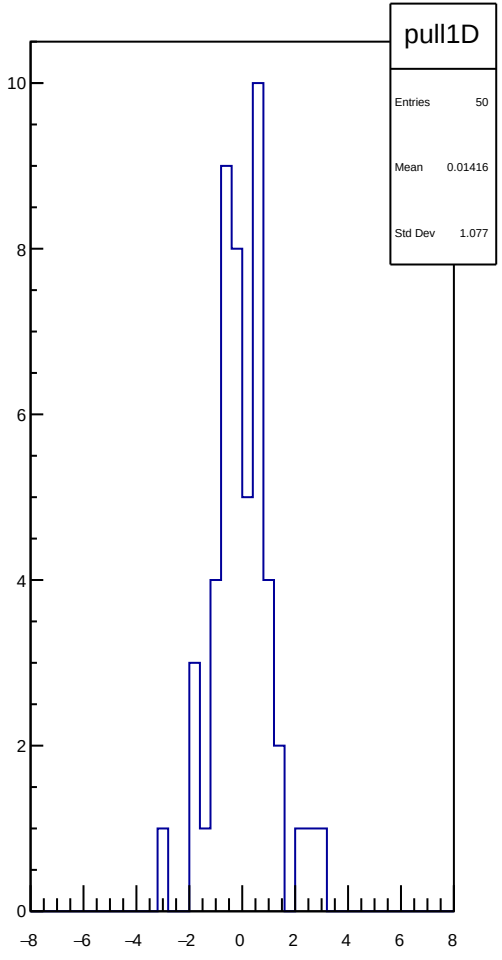

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 58.05 / 49
p0 −8264 ± 3450
100
50
0
−50
−100
pull
Entries 50
Mean −233.9
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01416
Std Dev 1.077
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4
2
0
−8
−6
−4
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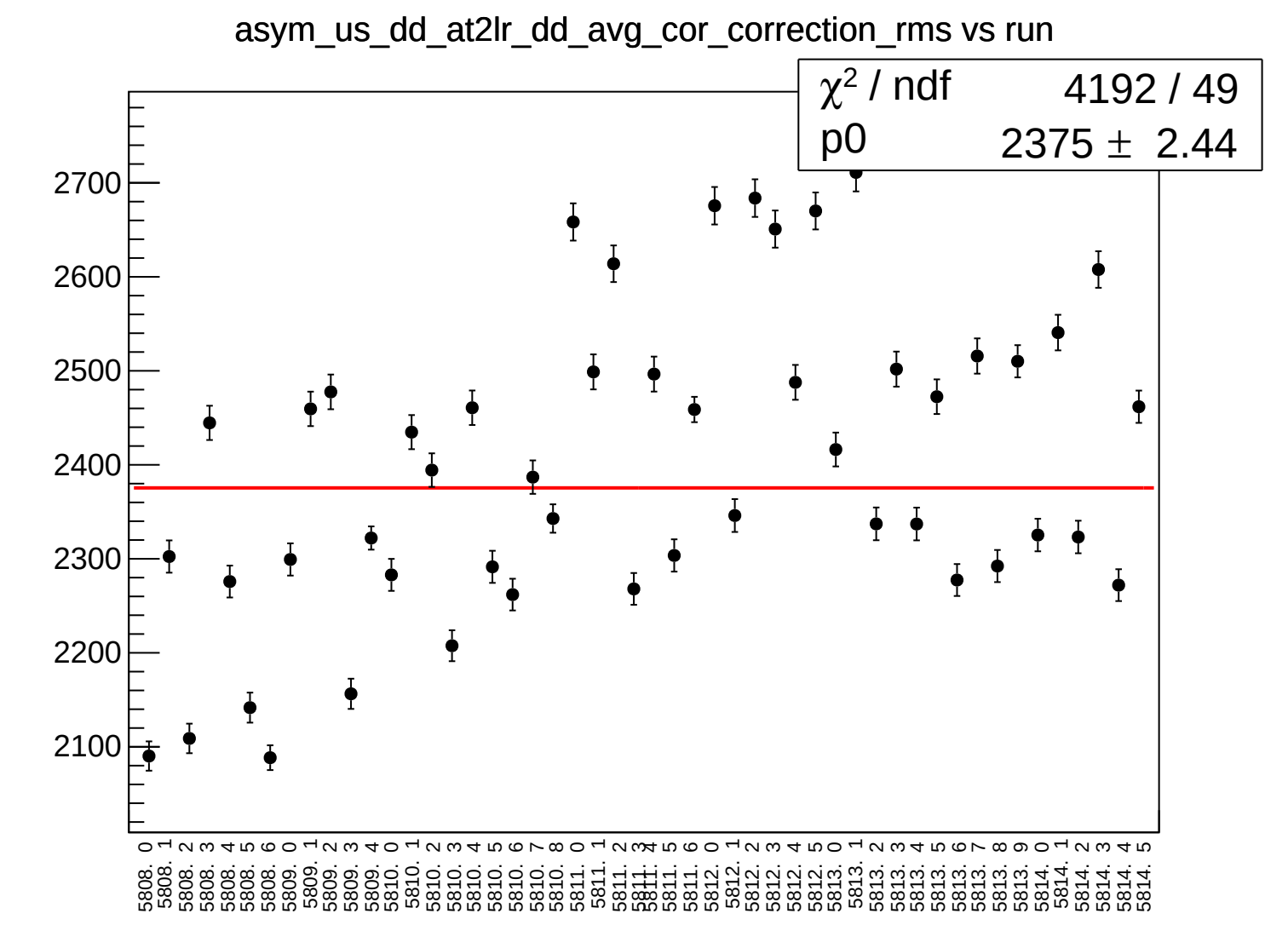
2
4
6
8


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 4192 / 49
p0 2375 ± 2.44
2700
2600
2500
2400
2300
2200
2100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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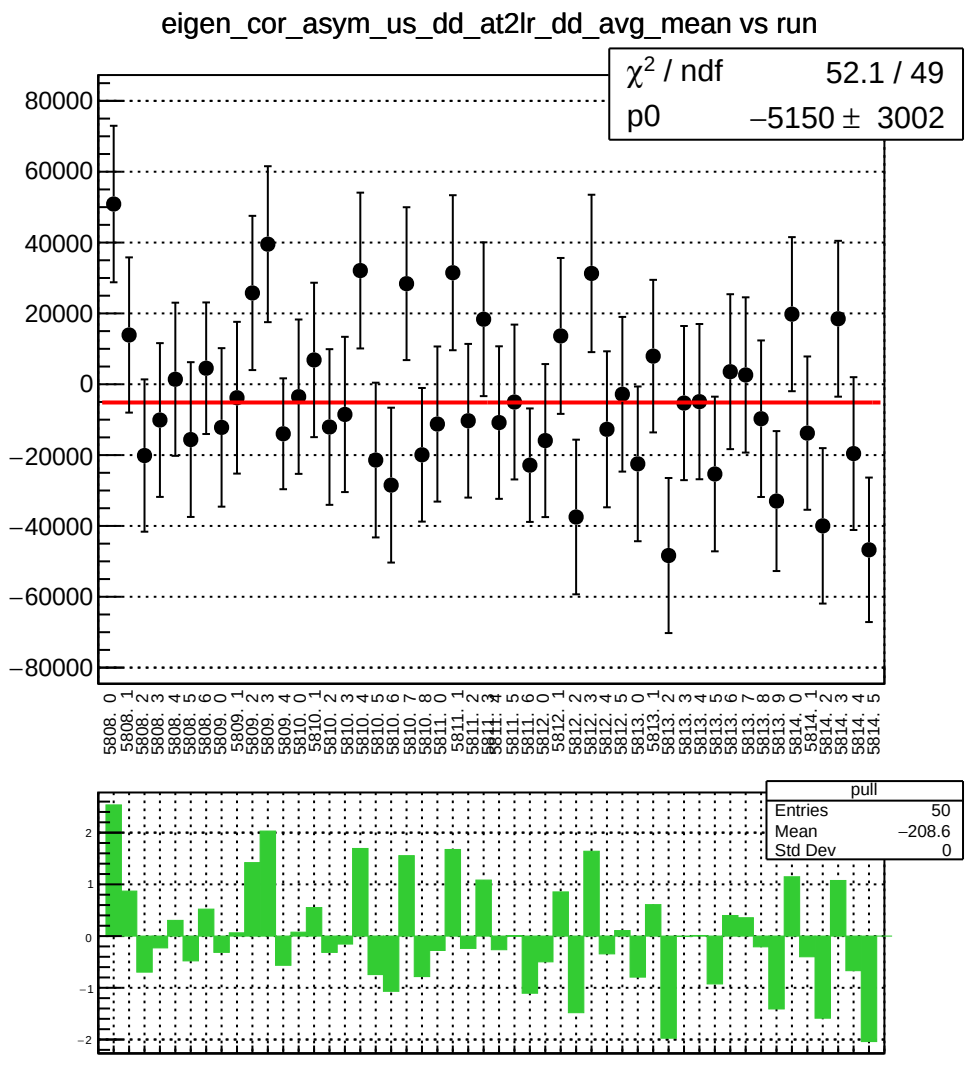
5814. 4
5814. 5


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 52.1 / 49
p0 −5150 ± 3002
80000
60000
40000
20000
0
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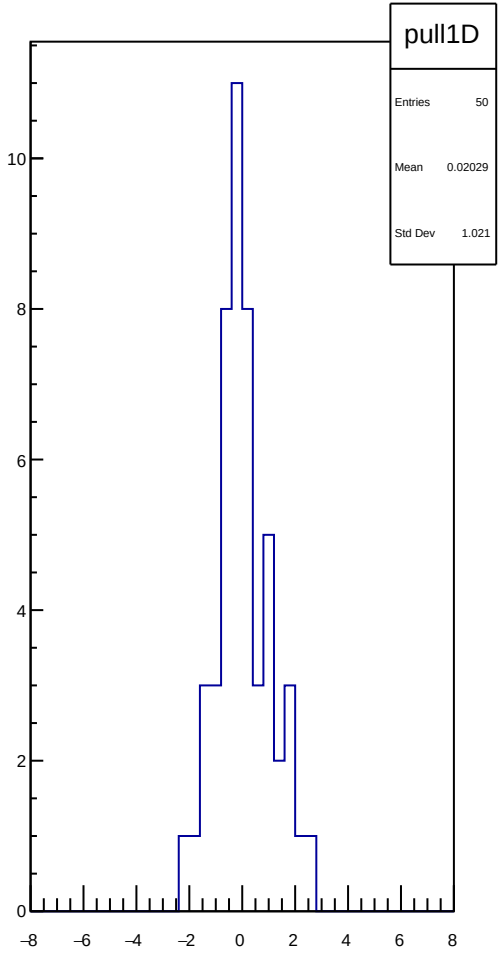
−60000
−80000
pull
Entries 50
Mean −208.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02029
Std Dev 1.021
10
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2
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−4
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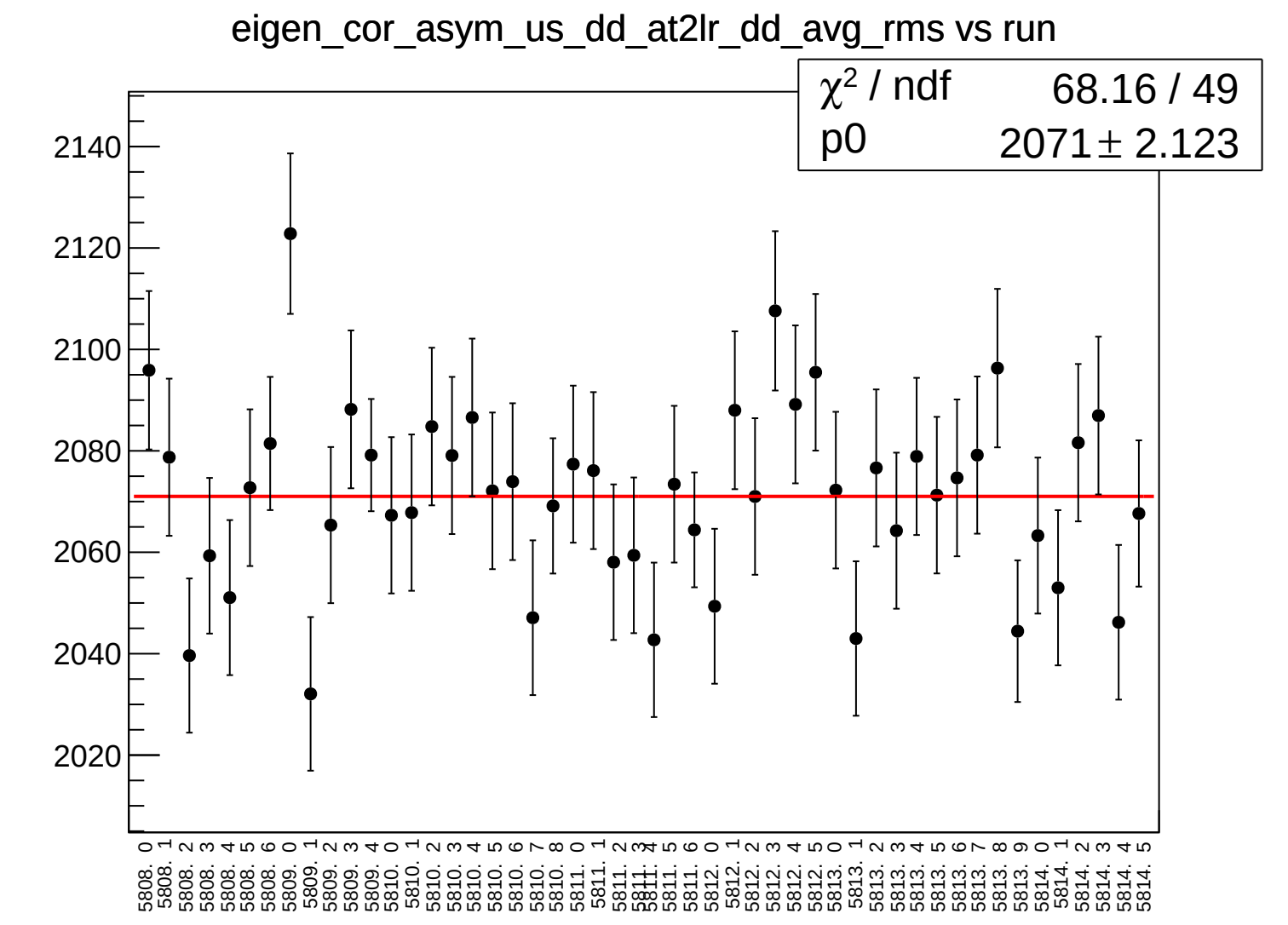
6
8


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 68.16 / 49
p0 2071 ± 2.123
2140
2120
2100
2080
2060
2040
2020
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5813. 1
5813. 2
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5813. 4
5813. 5
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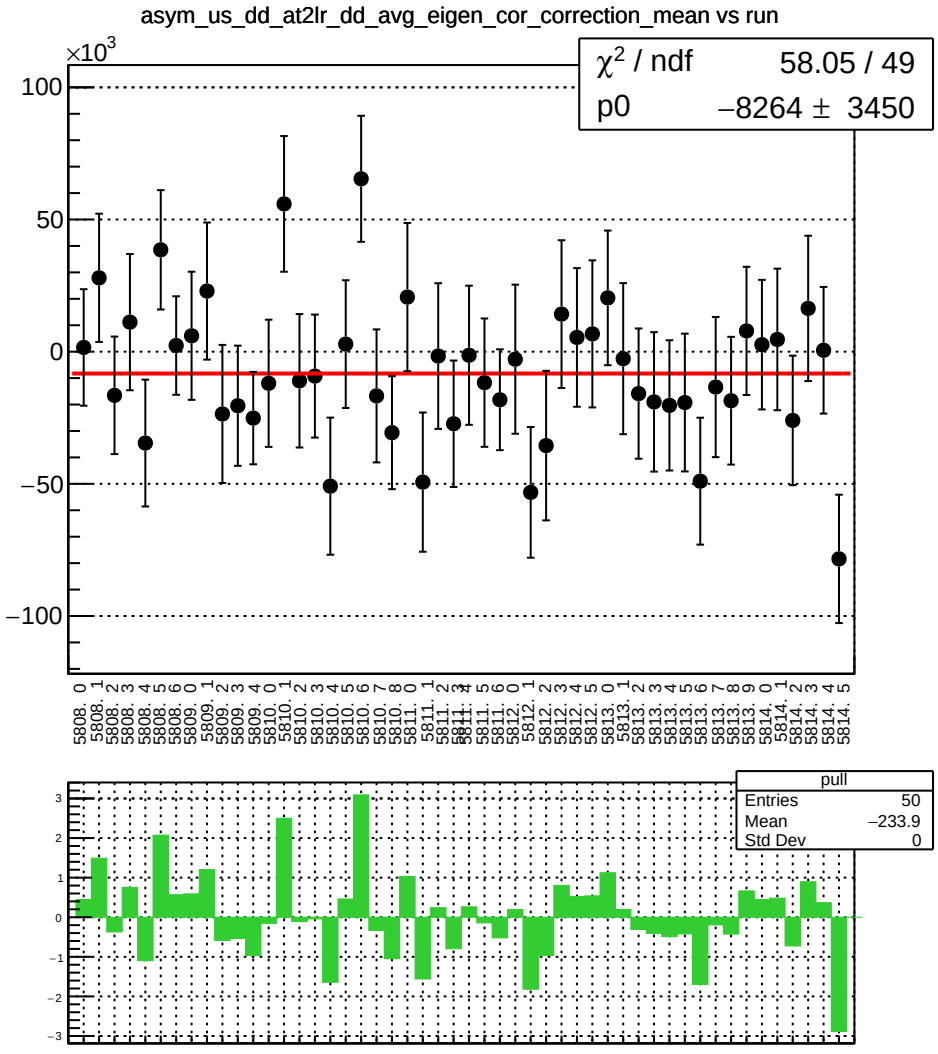
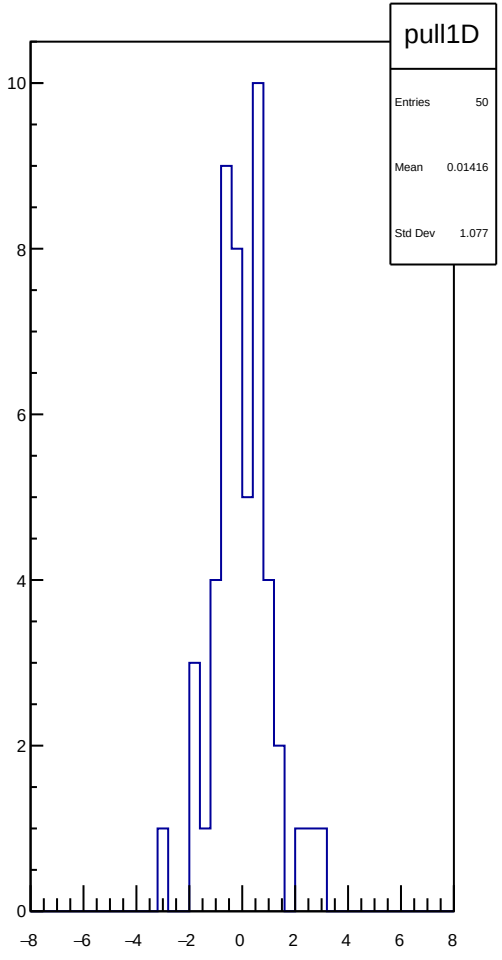
5814. 5


asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 58.05 / 49
p0 −8264 ± 3450
100
50
0
−50
−100
pull
Entries 50
Mean −233.9
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01416
Std Dev 1.077
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2
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−8
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−4
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6
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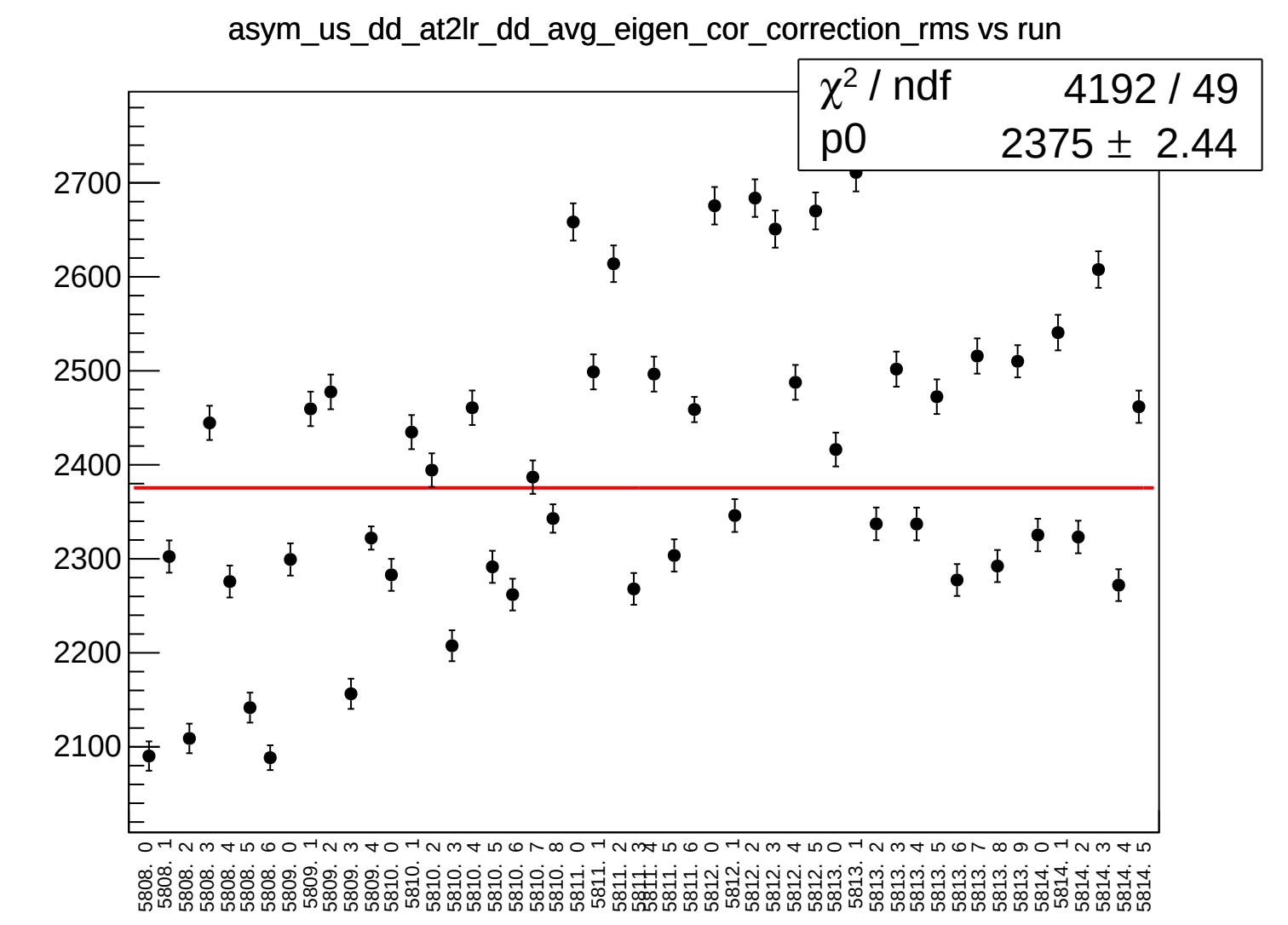
asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4192 / 49
p0 2375 ± 2.44
2700
2600
2500
2400
2300
2200
2100
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
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5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 0
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5814. 2
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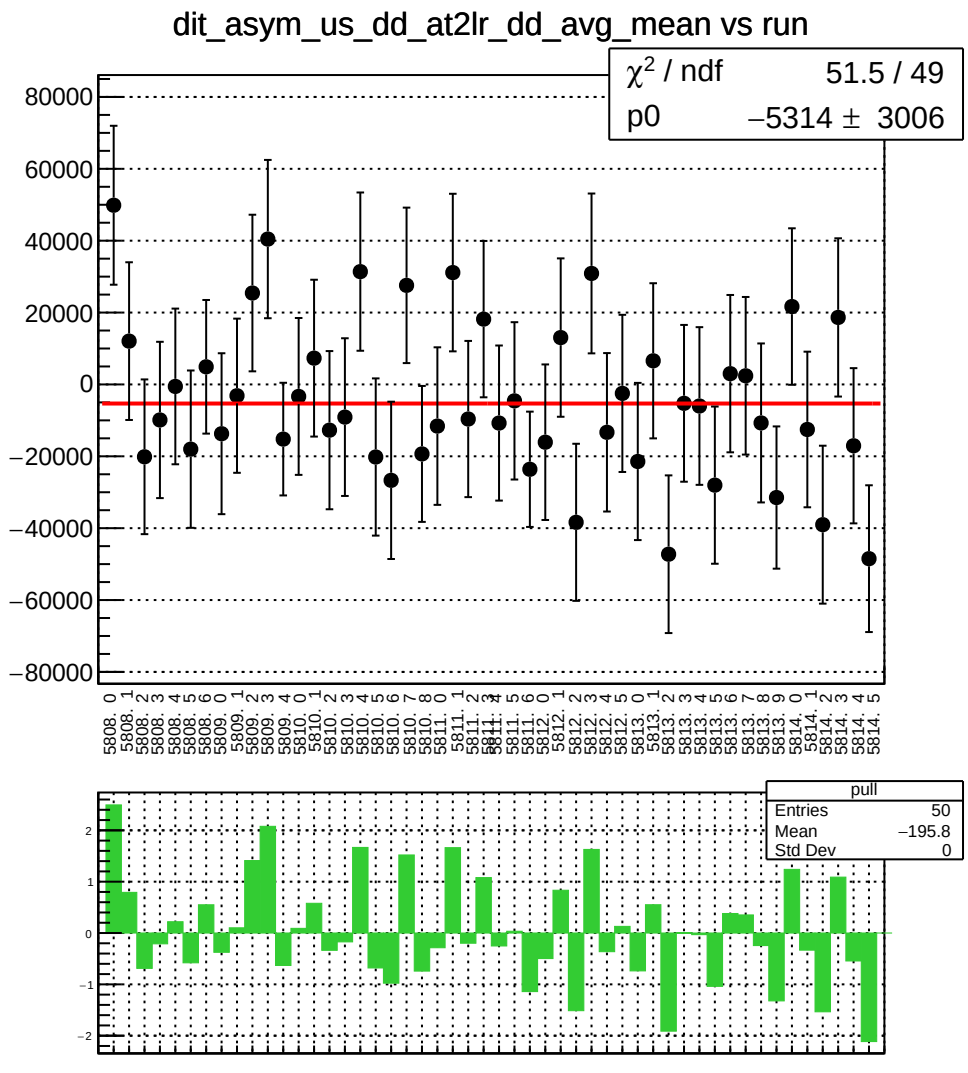
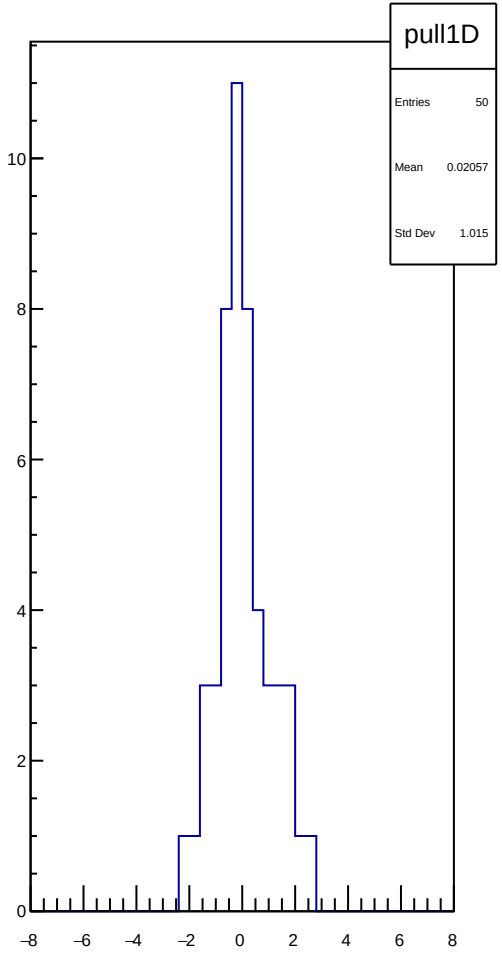
5814. 5


dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 51.5 / 49
p0 −5314 ± 3006
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean −195.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02057
Std Dev 1.015
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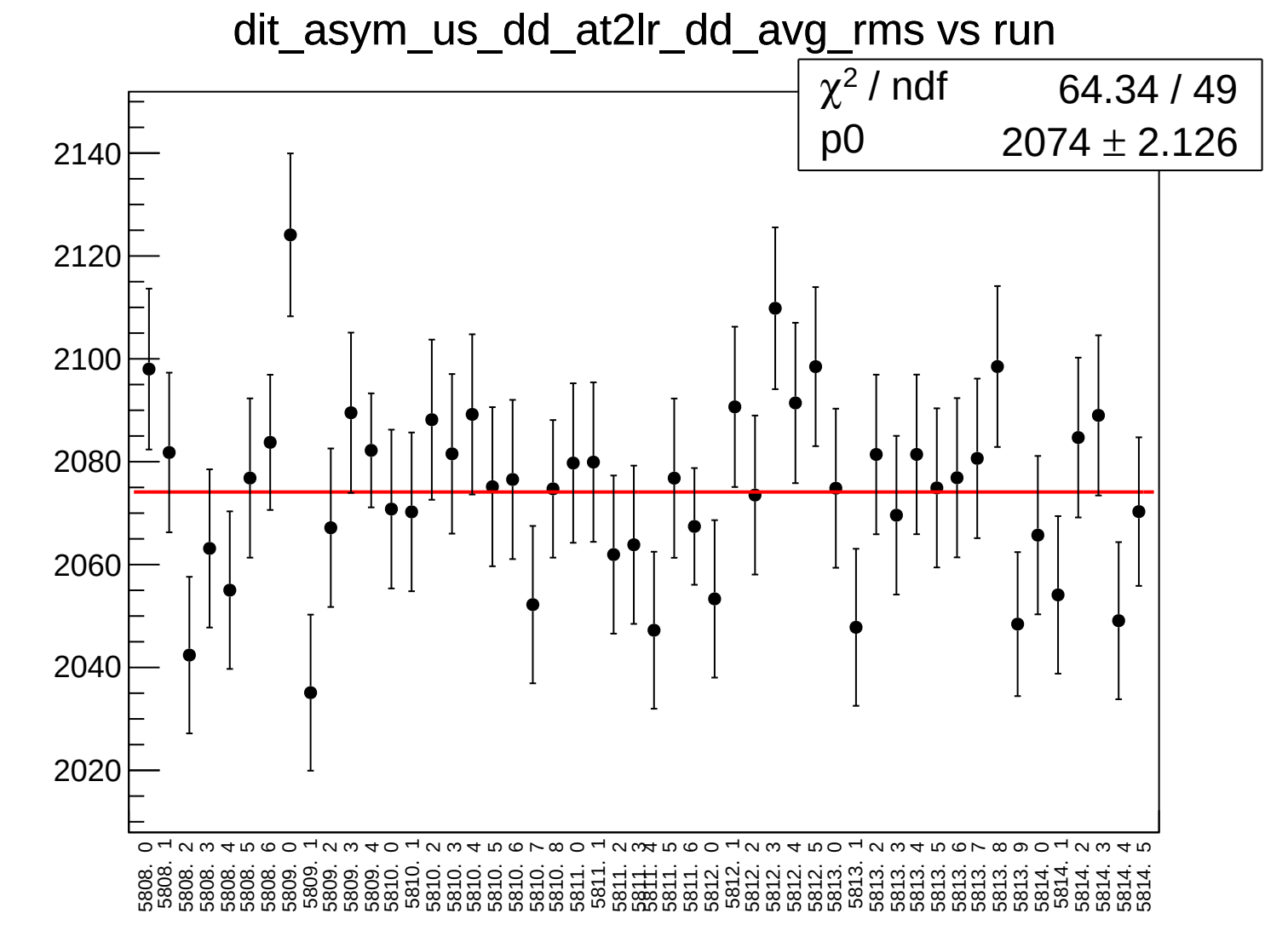
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 64.34 / 49
p0 2074 ± 2.126
2140
2120
2100
2080
2060
2040
2020
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
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5812. 2
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5814. 0
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5814. 2
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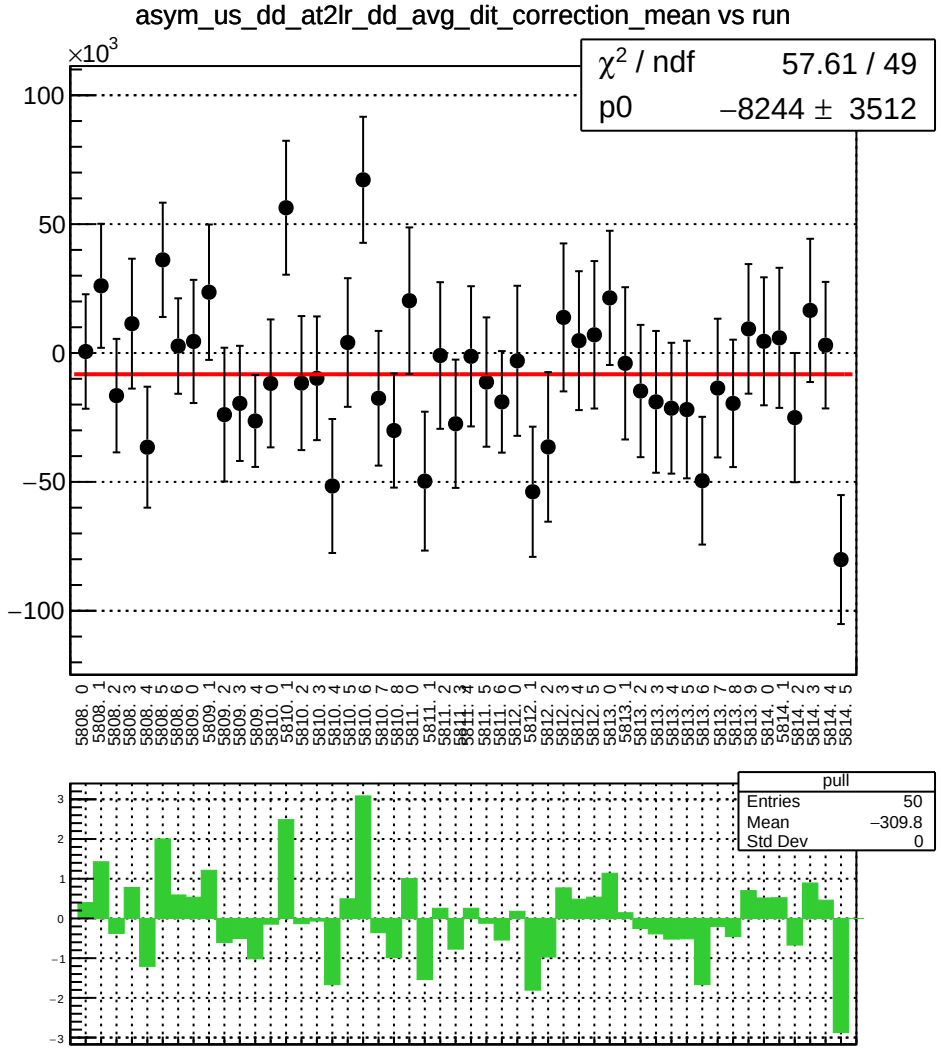
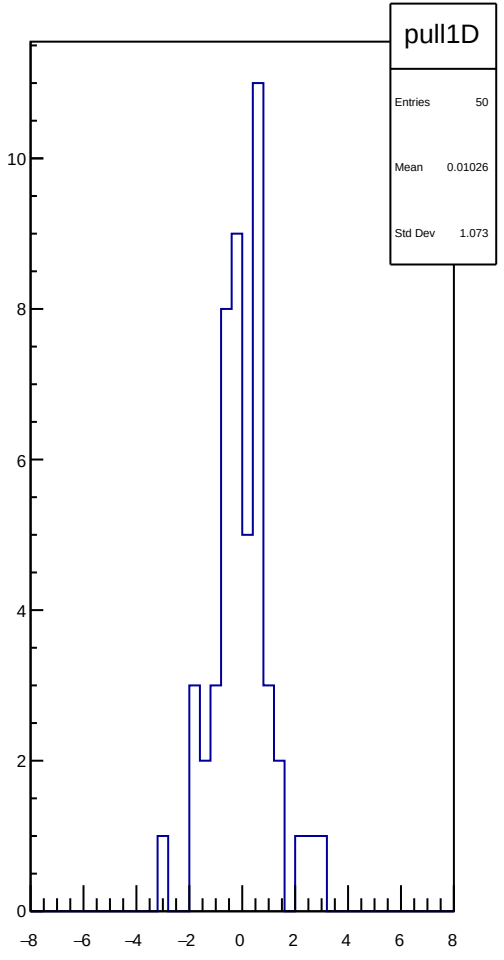
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 57.61 / 49
p0 −8244 ± 3512
100
50
0
−50
−100
pull
Entries 50
Mean −309.8
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01026
Std Dev 1.073
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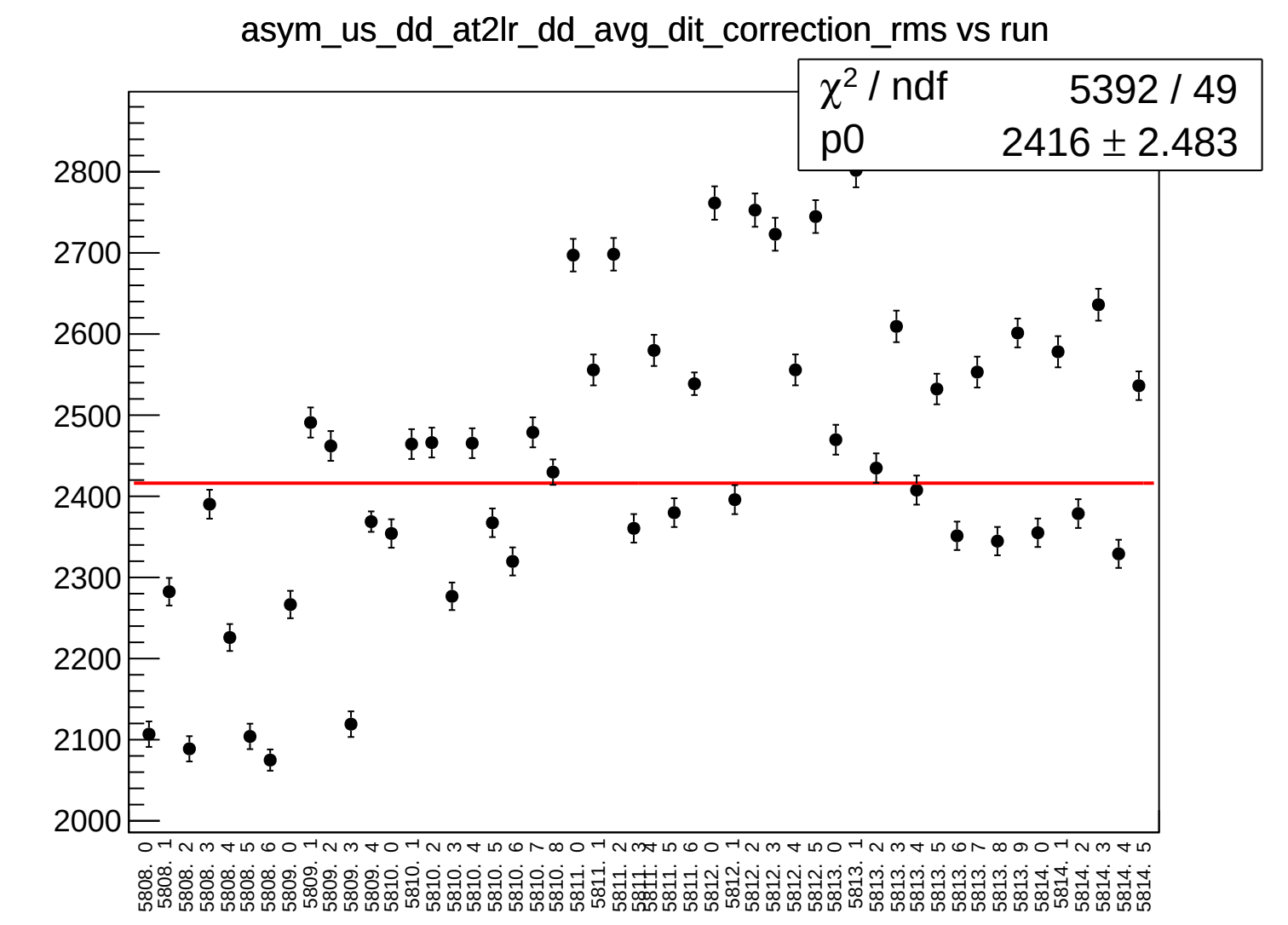
4
6
8


asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 5392 / 49
p0 2416 ± 2.483
2800
2700
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
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5809. 3
5809. 4
5810. 0
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5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
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5813. 2
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5813. 4
5813. 5
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5813. 8
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5814. 0
5814. 1
5814. 2
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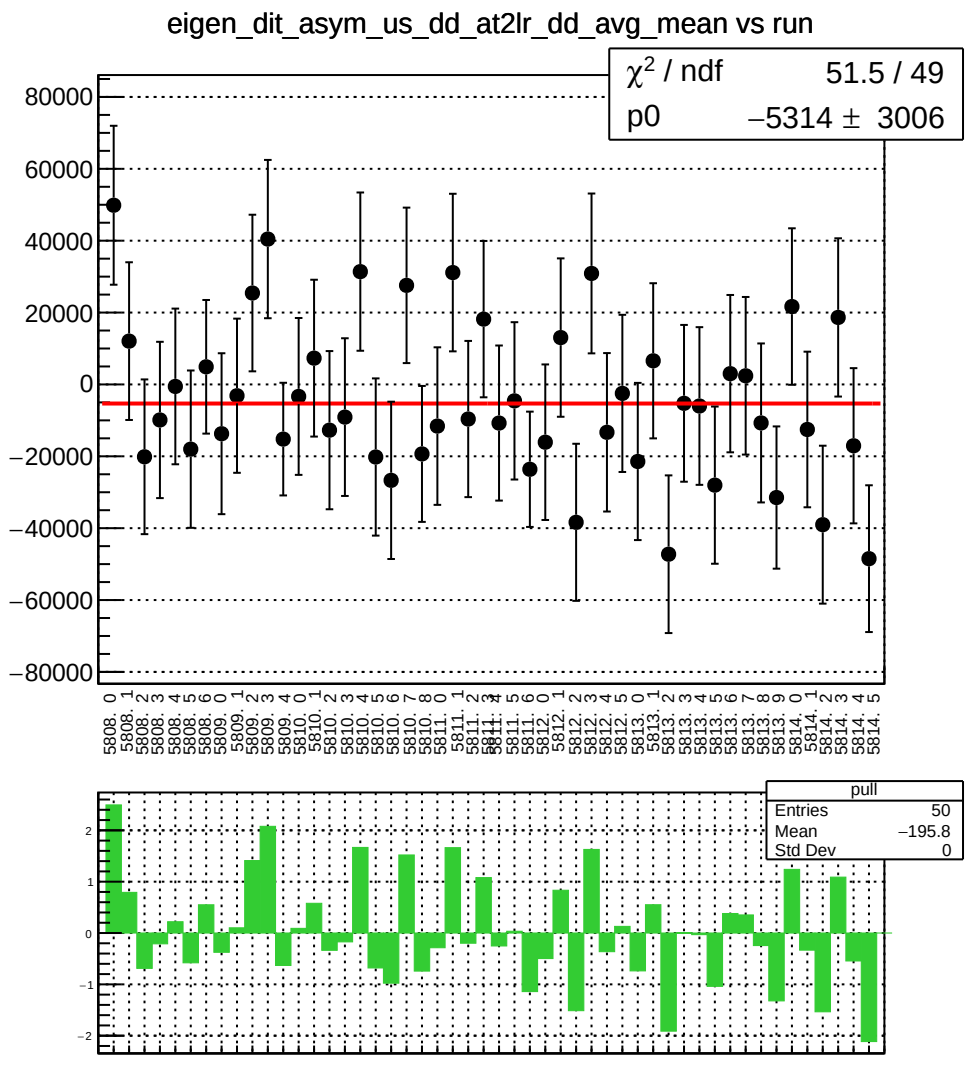
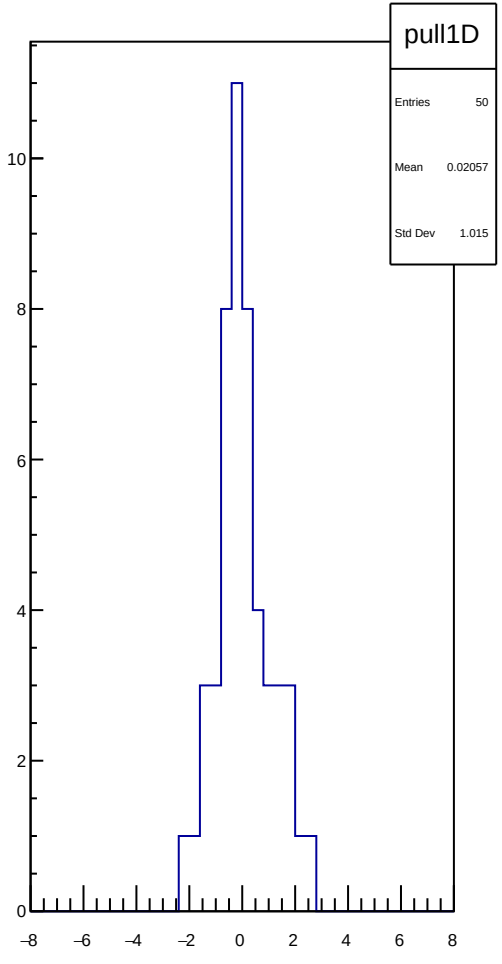
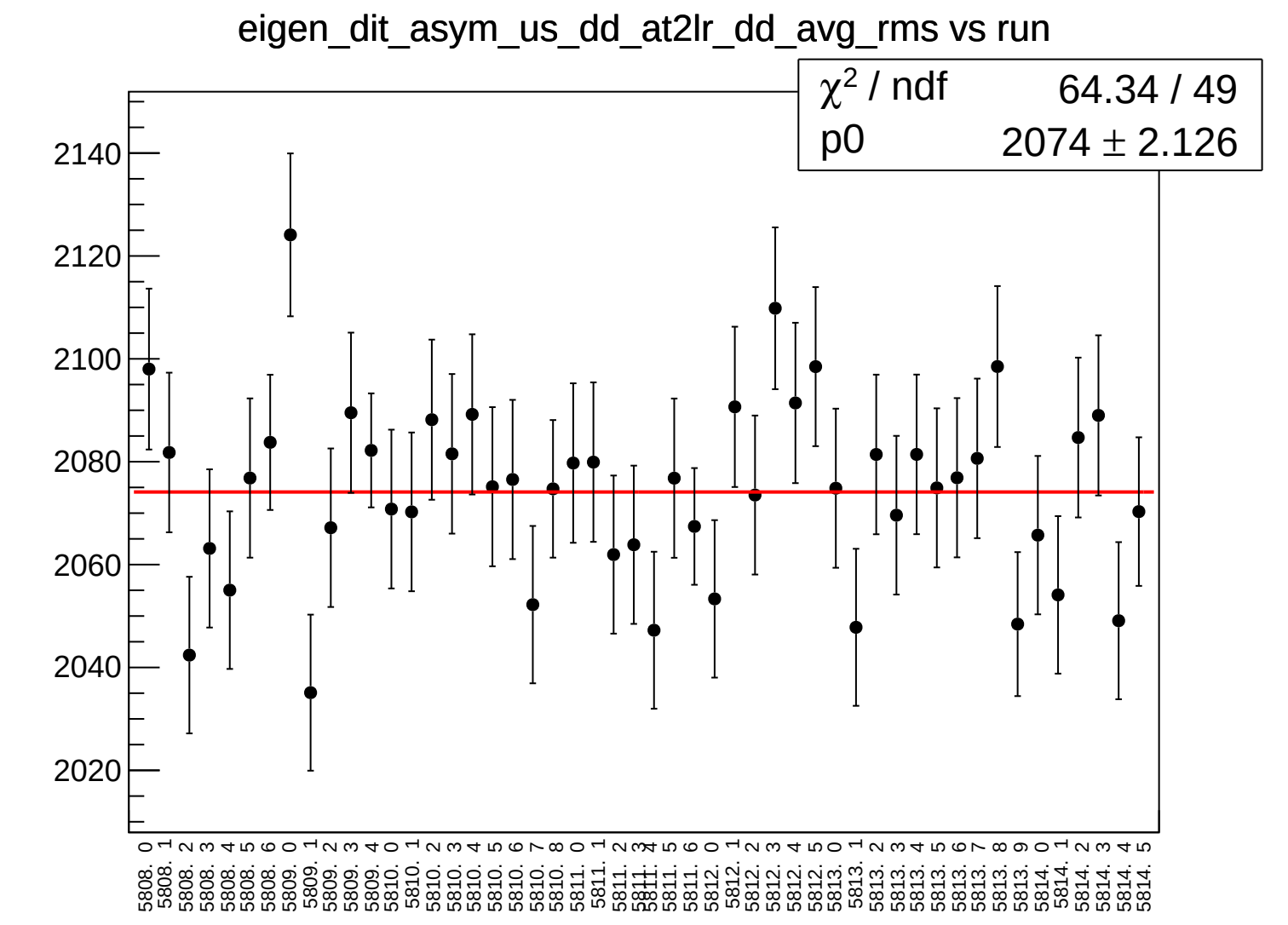
5814. 4
5814. 5


eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 51.5 / 49
p0 −5314 ± 3006
pull
Entries 50
Mean −195.8
Std Dev 0


pull1D
Entries 50
Mean 0.02057
Std Dev 1.015


eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 64.34 / 49
p0 2074 ± 2.126
2140
2120
2100
2080
2060
2040
2020
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 6
5809. 0
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5809. 2
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5809. 4
5810. 0
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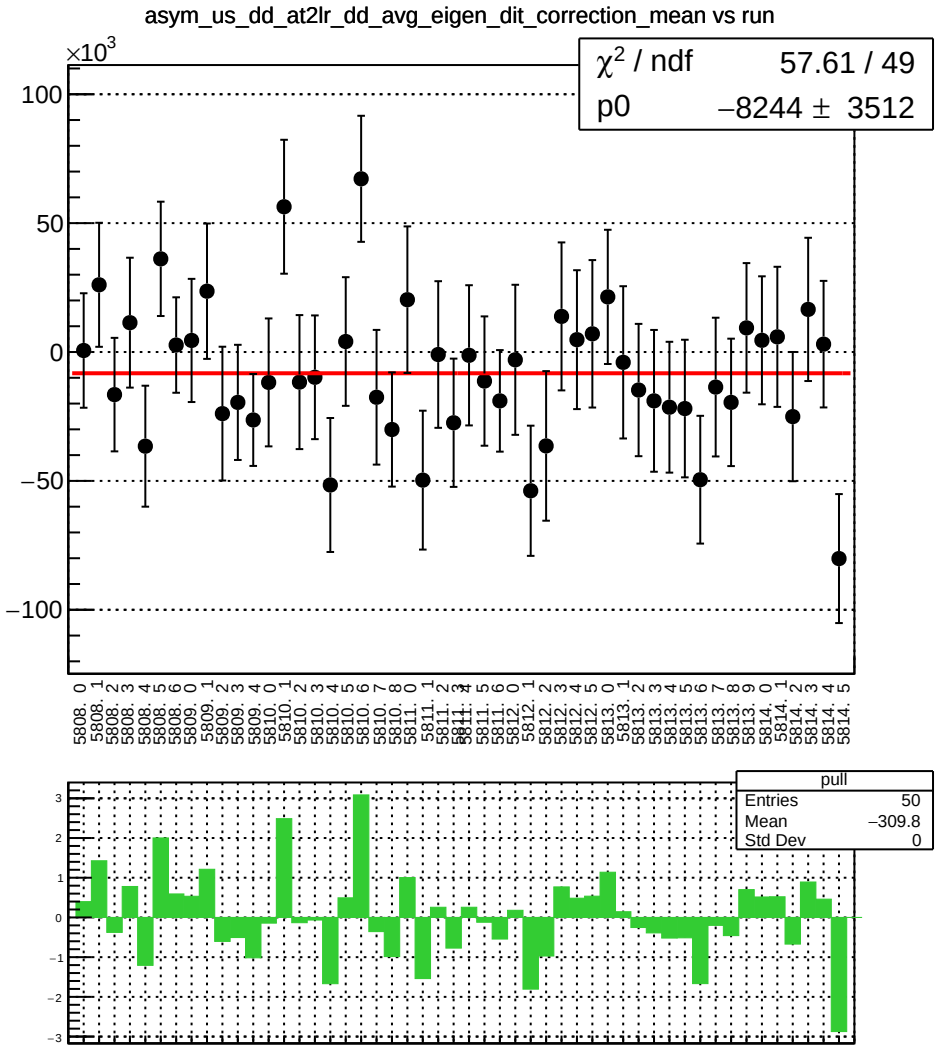
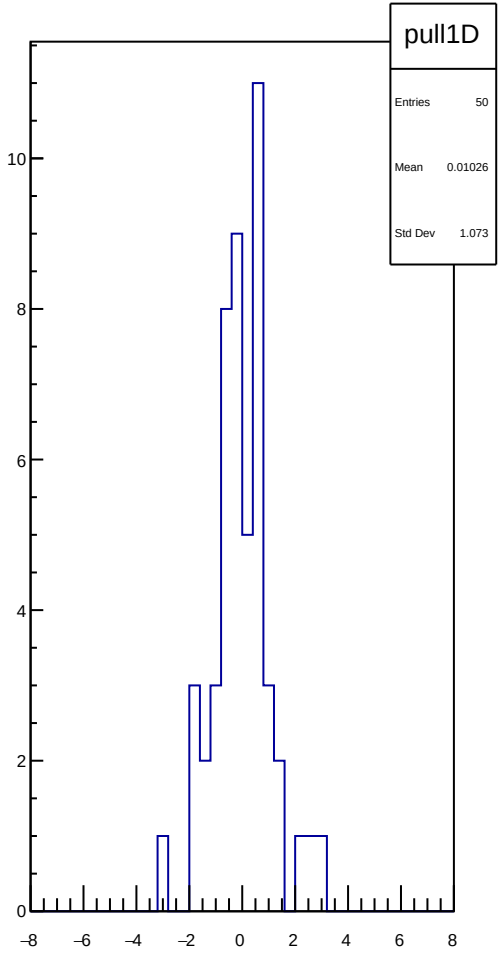
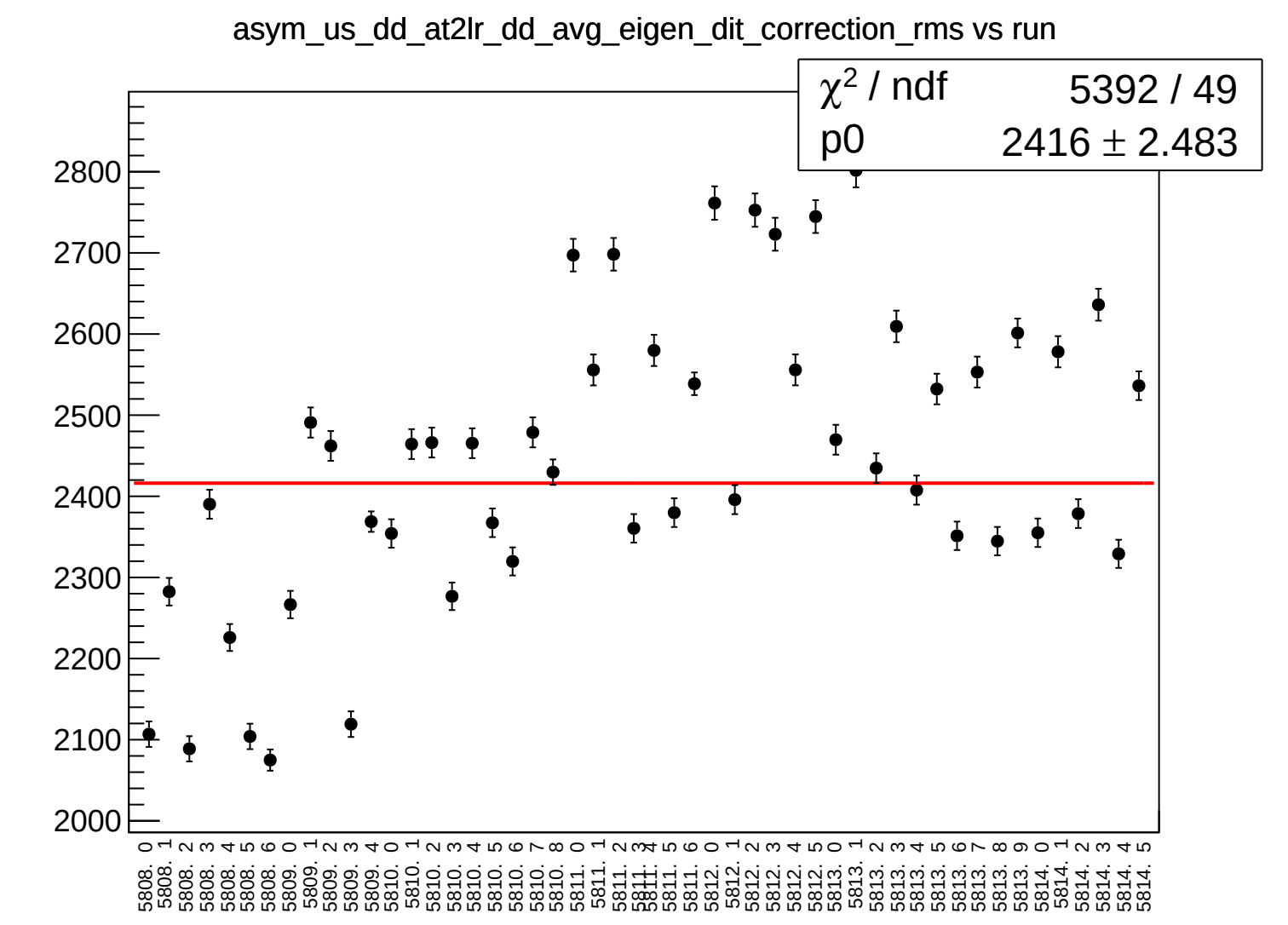
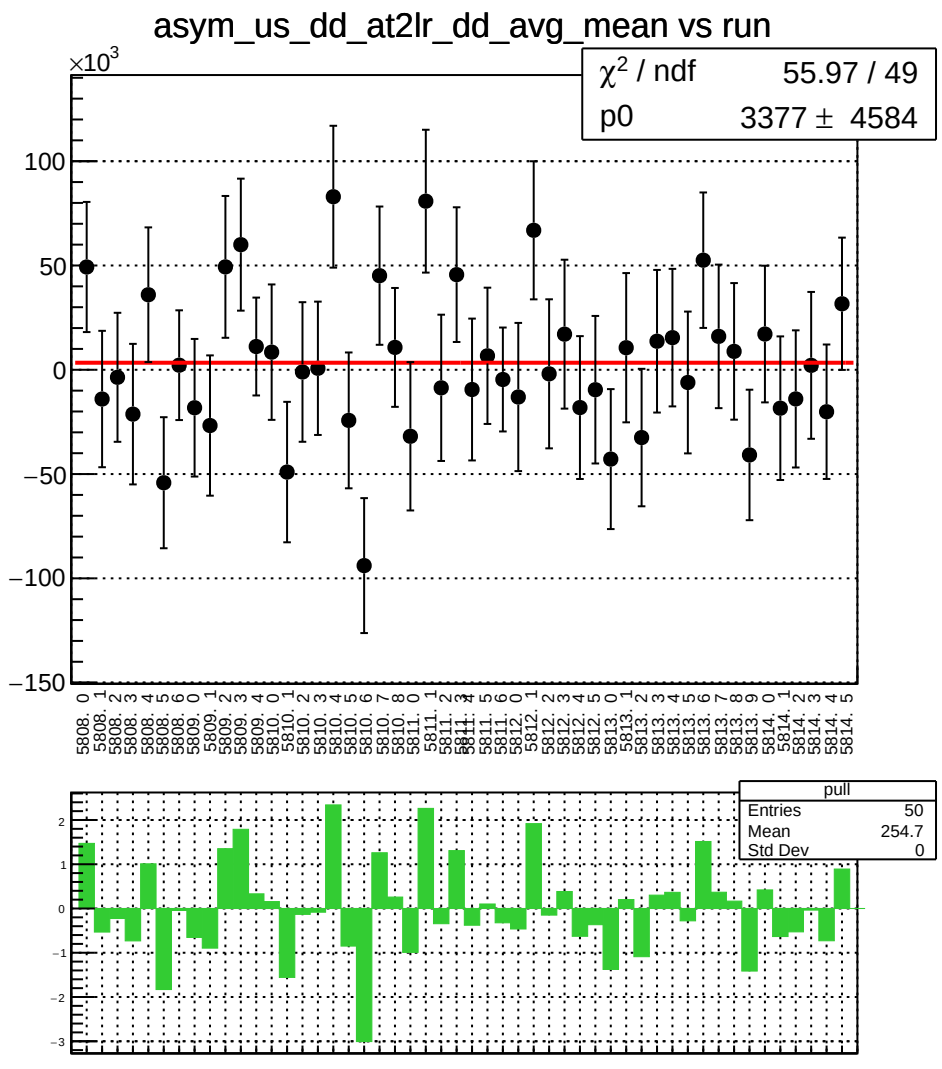
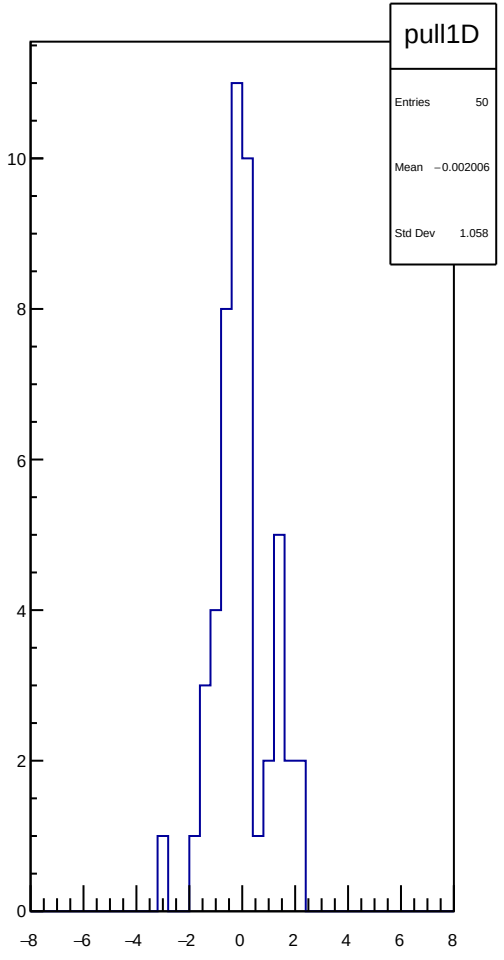
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

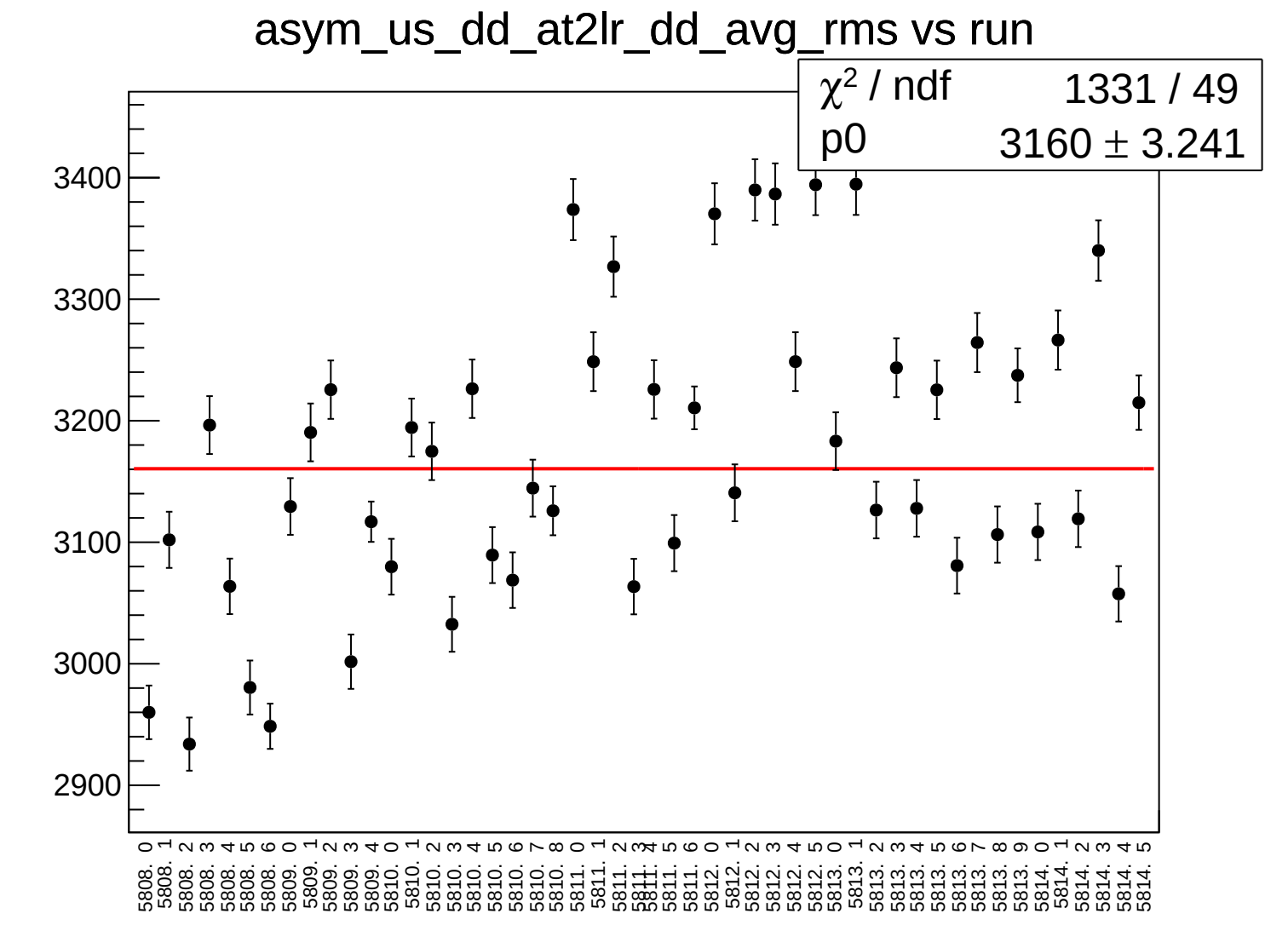

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 57.61 / 49
p0 −8244 ± 3512
100
50
0
−50
−100
pull
Entries 50
Mean −309.8
Std Dev 0
3
2
1
0
−1
−2
−3

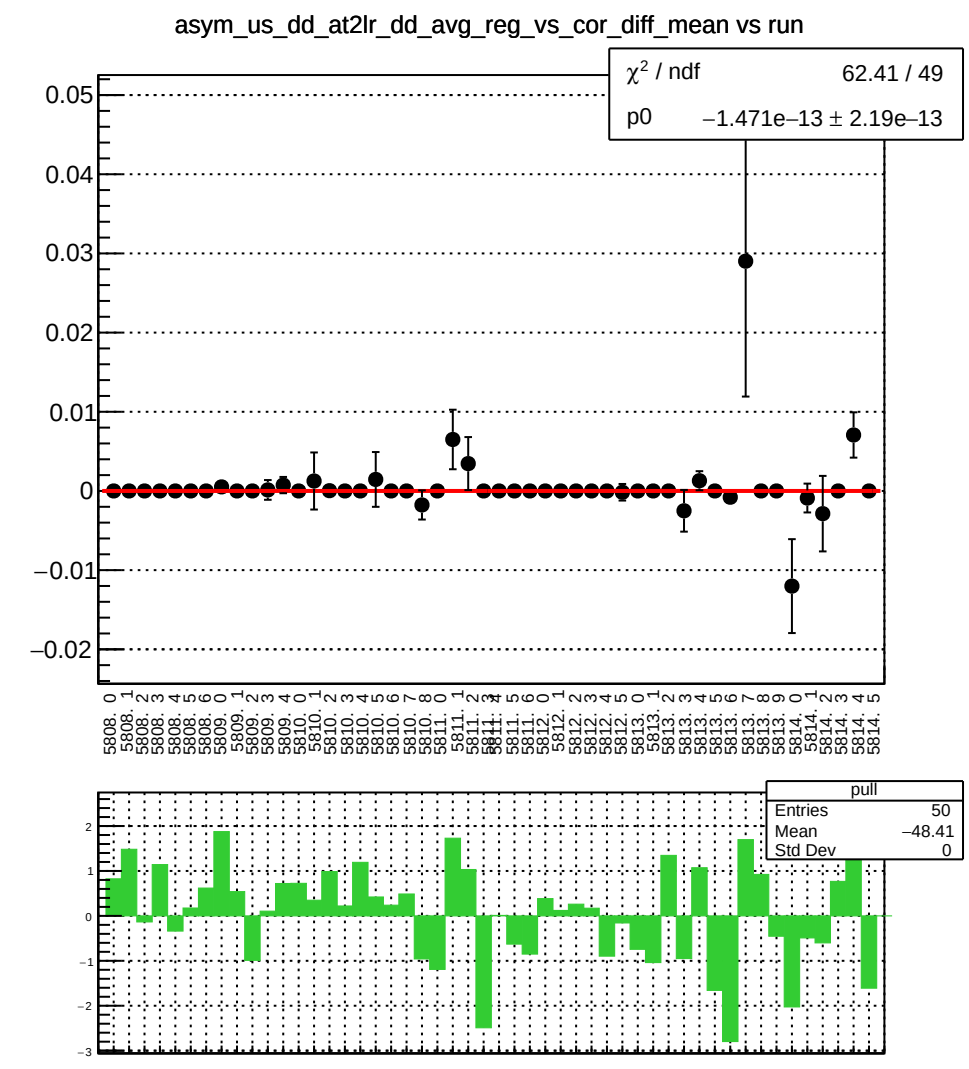

pull1D
Entries 50
Mean 0.01026
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

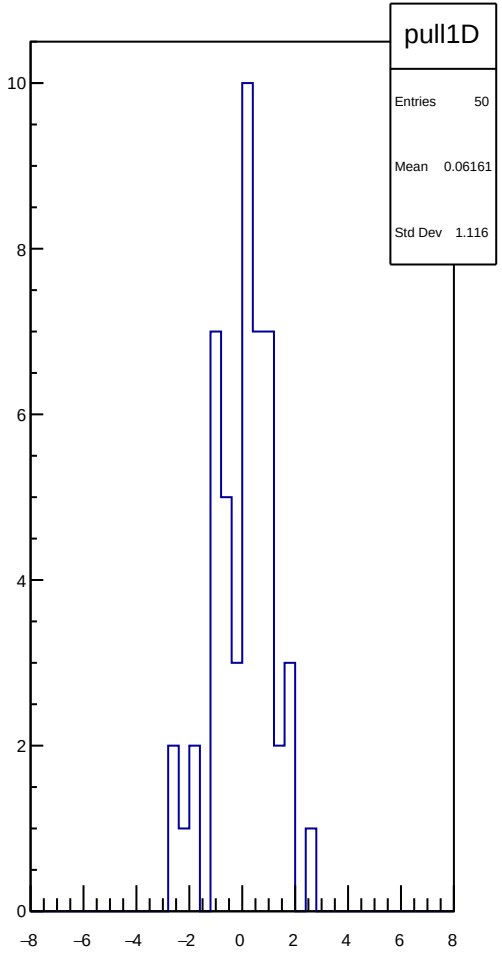

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 5392 / 49
p0 2416 ± 2.483
2800
2700
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

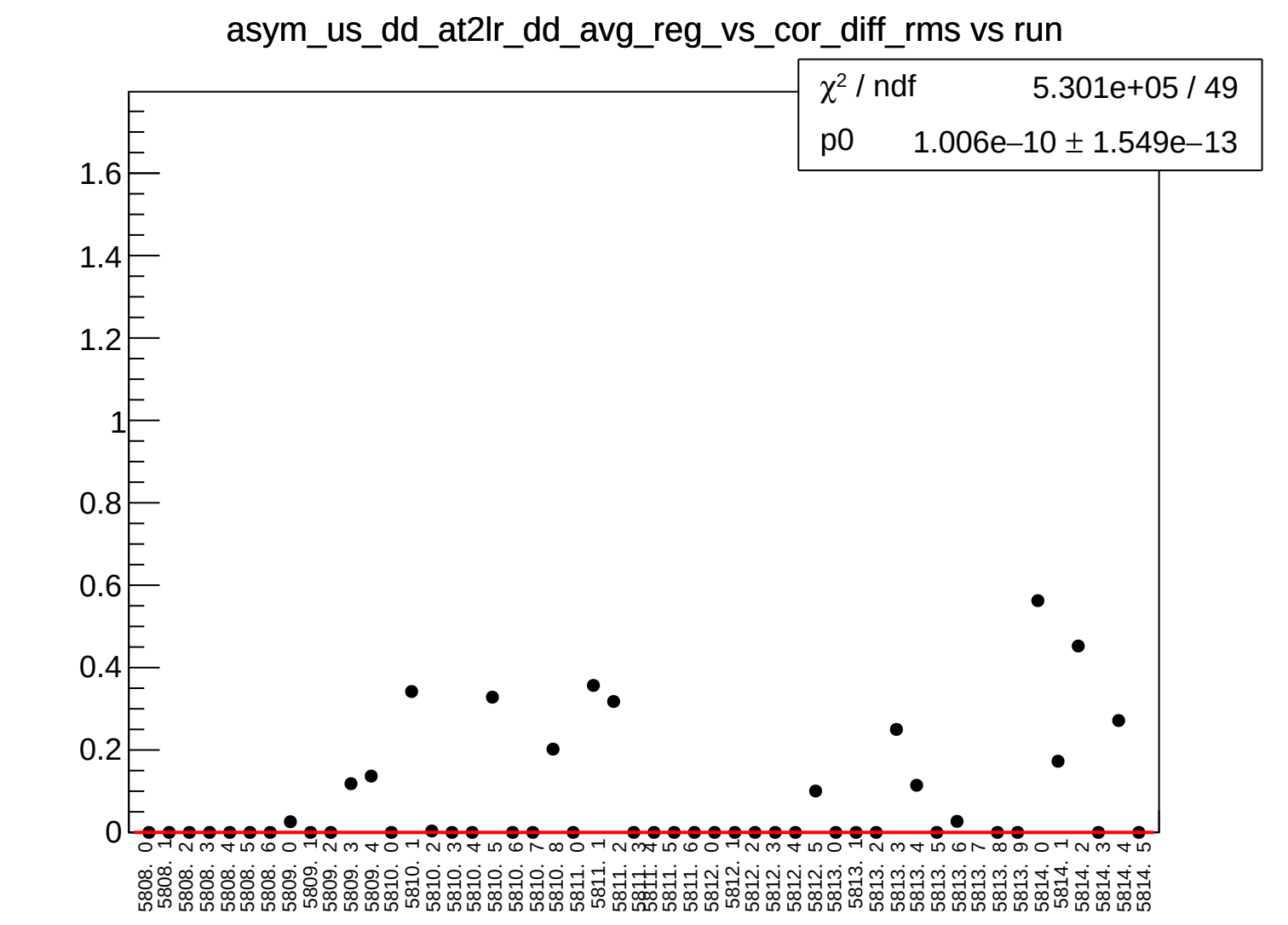

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ^2 / ndf 55.97 / 49
p0 3377 ± 4584
100
50
0
−50
−100
−150
pull
Entries 50
Mean 254.7
Std Dev 0
2
1
0
−1
−2
−3

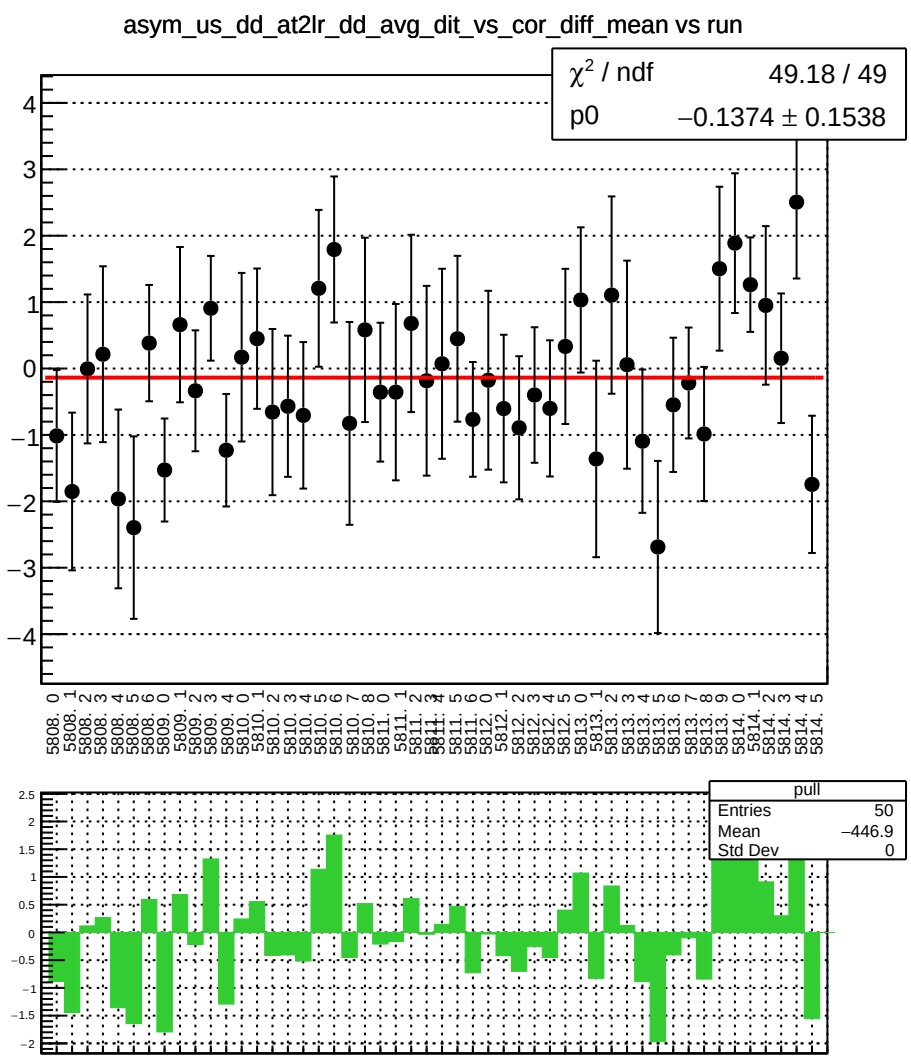

pull1D
Entries 50
Mean −0.002006
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

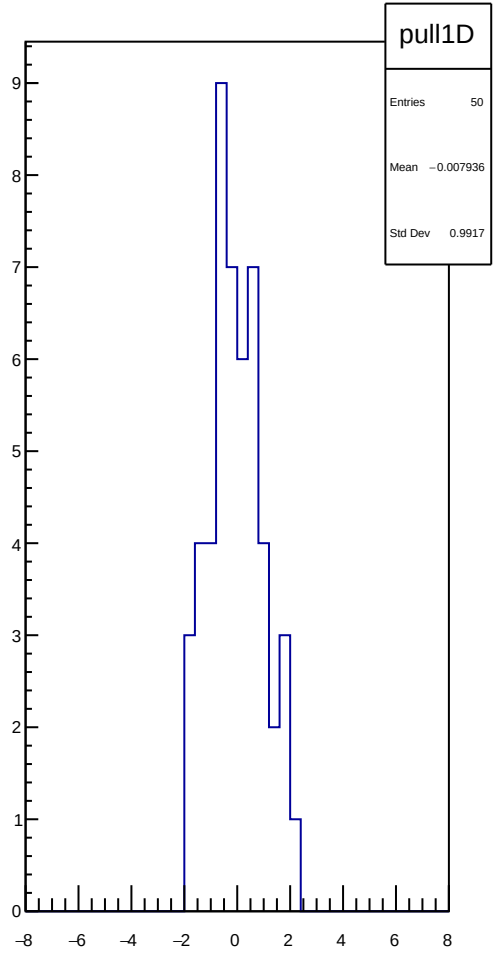

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1331 / 49
p0 3160 ± 3.241
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

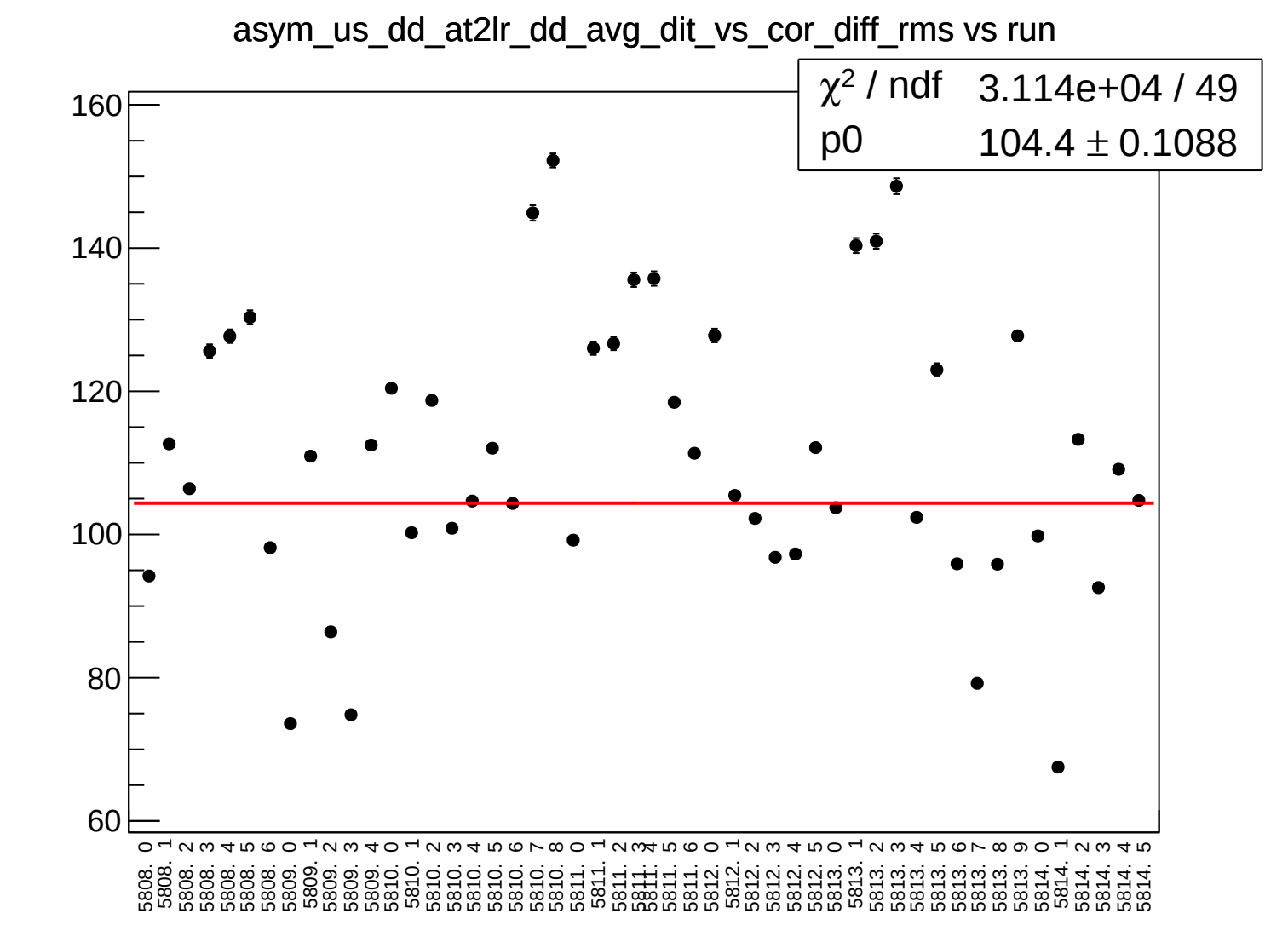

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 62.41 / 49
p0 −1.471e−13 ± 2.19e−13
pull
Entries 50
Mean −48.41
Std Dev 0

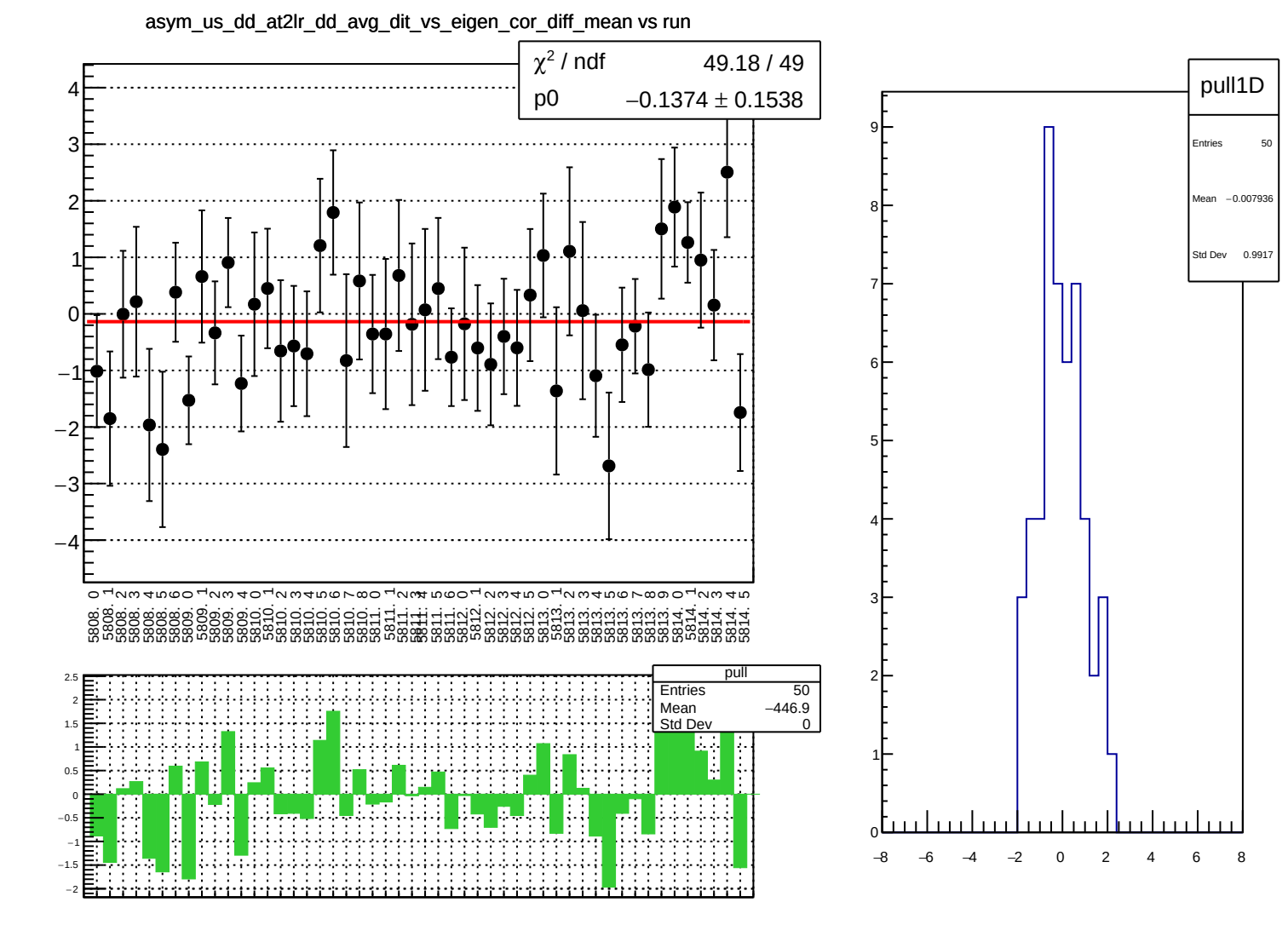

pull1D
Entries 50
Mean 0.06161
Std Dev 1.116

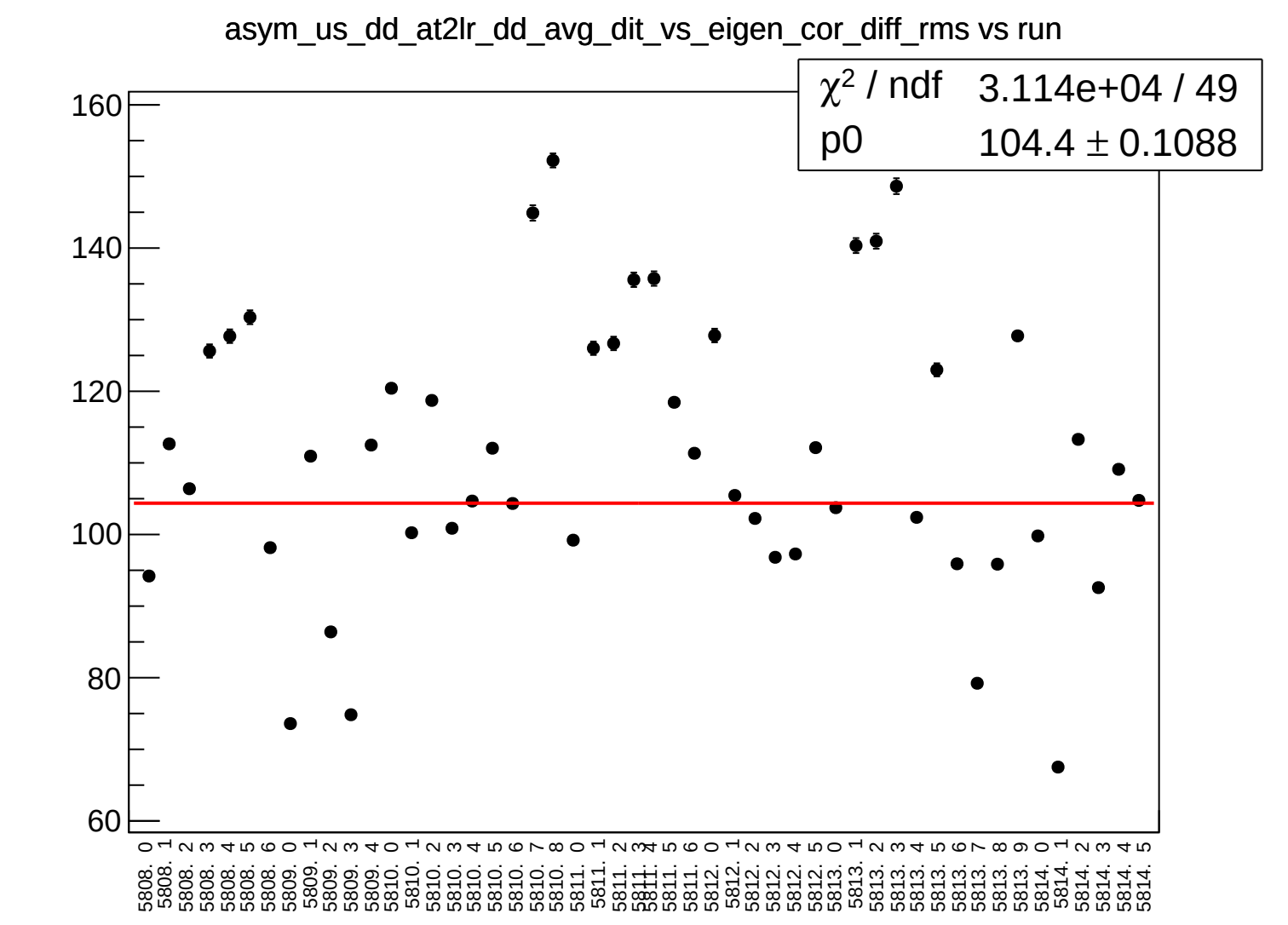

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.301e+05 / 49
p0 1.006e−10 ± 1.549e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.18 / 49
p0 −0.1374 ± 0.1538
pull
Entries 50
Mean −446.9
Std Dev 0


pull1D
Entries 50
Mean −0.007936
Std Dev 0.9917


asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.114e+04 / 49
p0 104.4 ± 0.1088
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.18 / 49
p0 −0.1374 ± 0.1538
pull
Entries 50
Mean −446.9
Std Dev 0
pull1D
Entries 50
Mean −0.007936
Std Dev 0.9917


asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.114e+04 / 49
p0 104.4 ± 0.1088
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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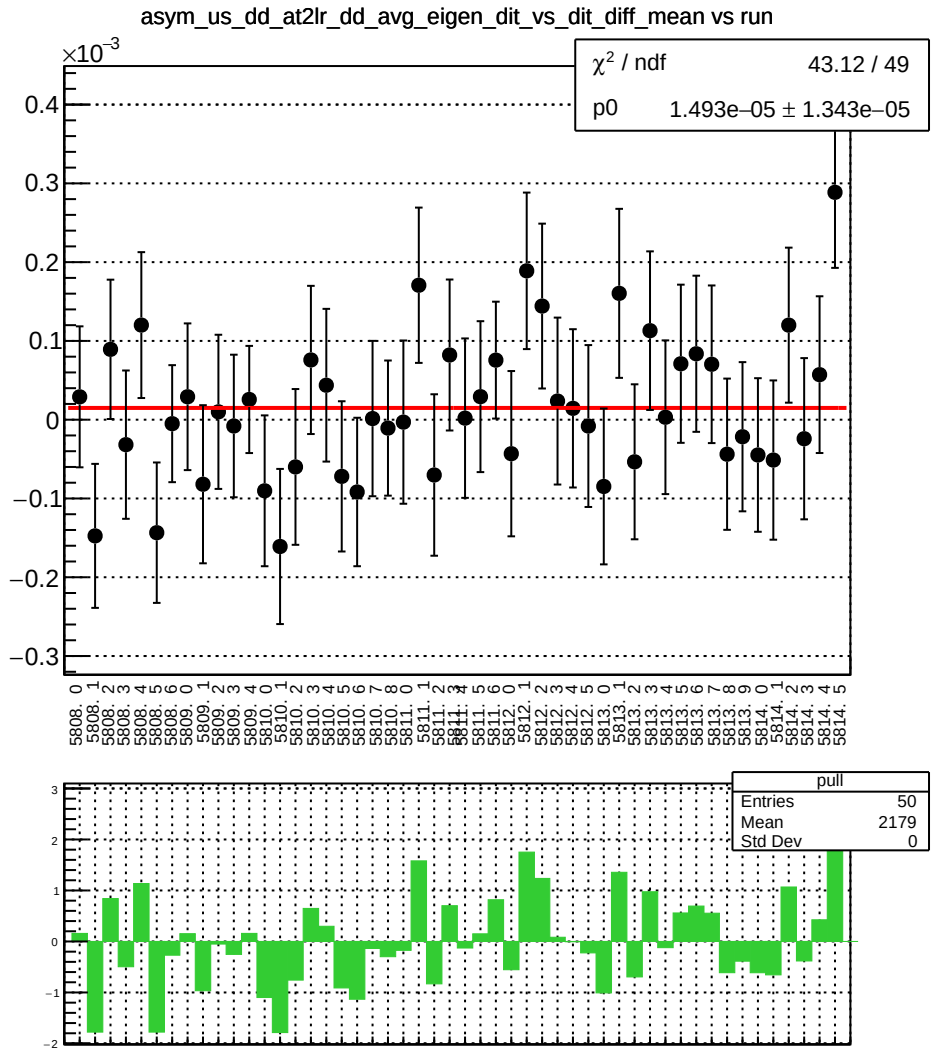
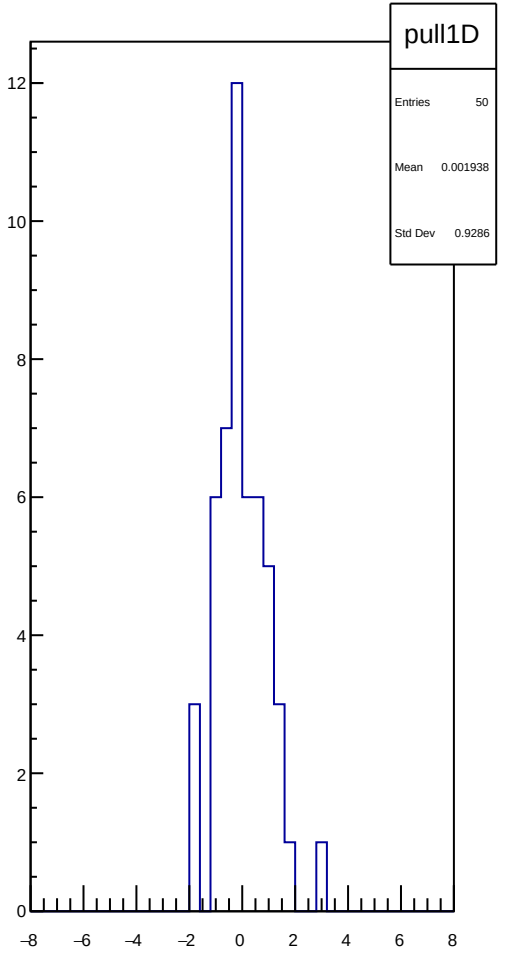
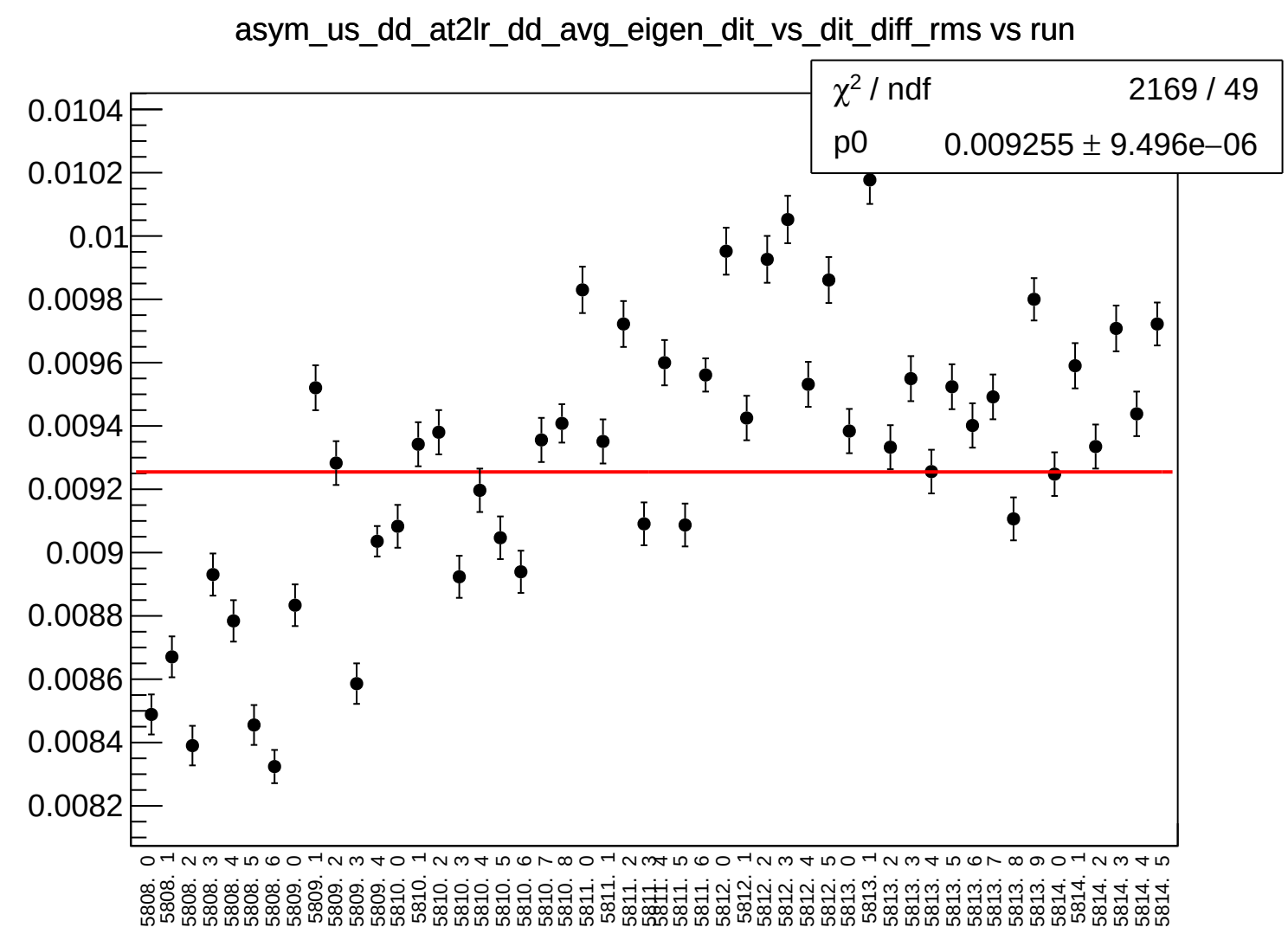
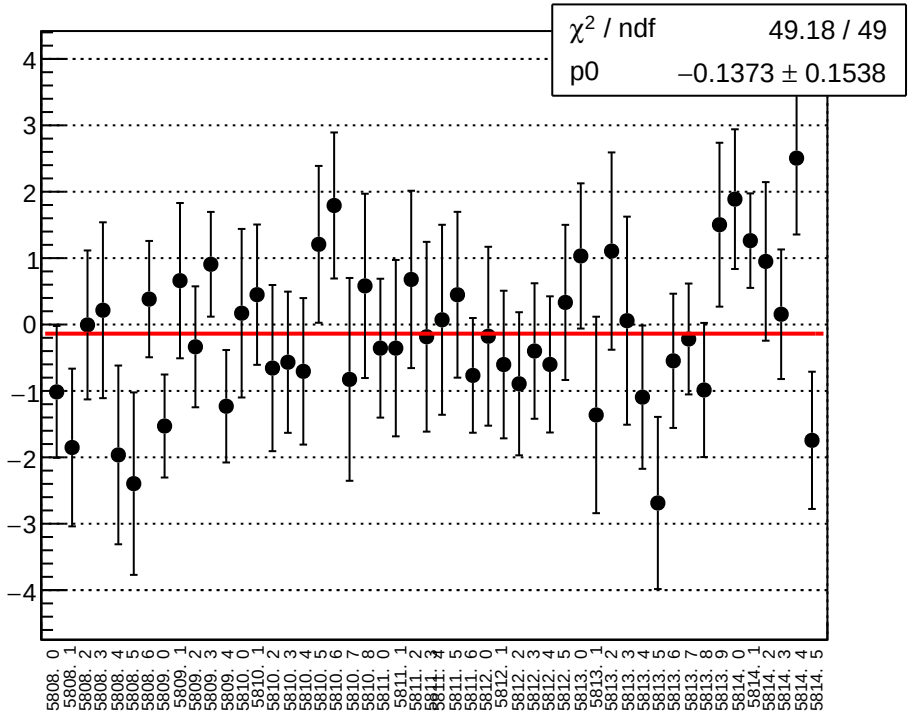
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

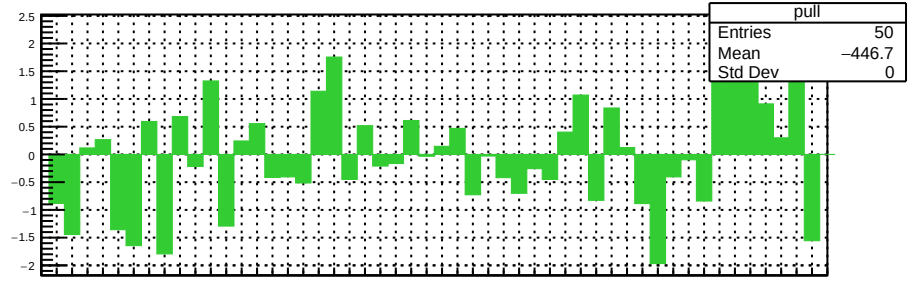

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.12 / 49
p0 1.493e−05 ± 1.343e−05
pull
Entries 50
Mean 2179
Std Dev 0

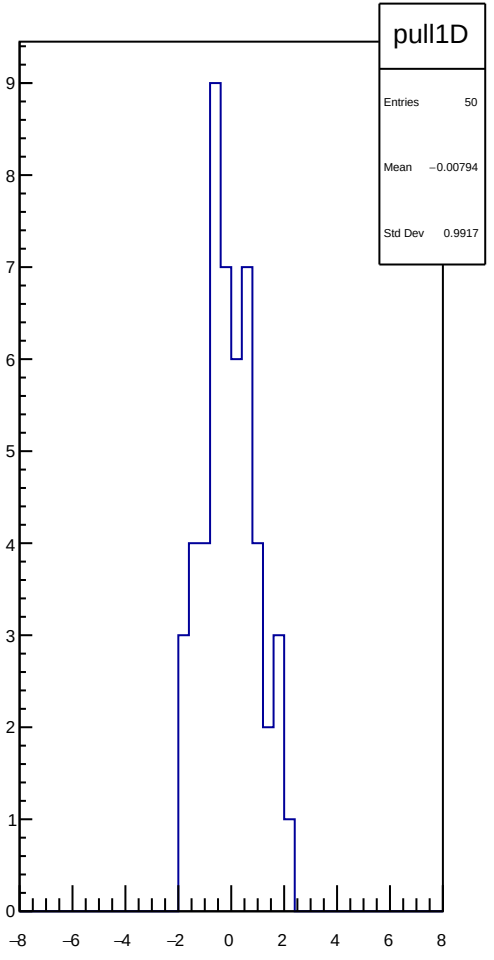

pull1D
Entries 50
Mean 0.001938
Std Dev 0.9286

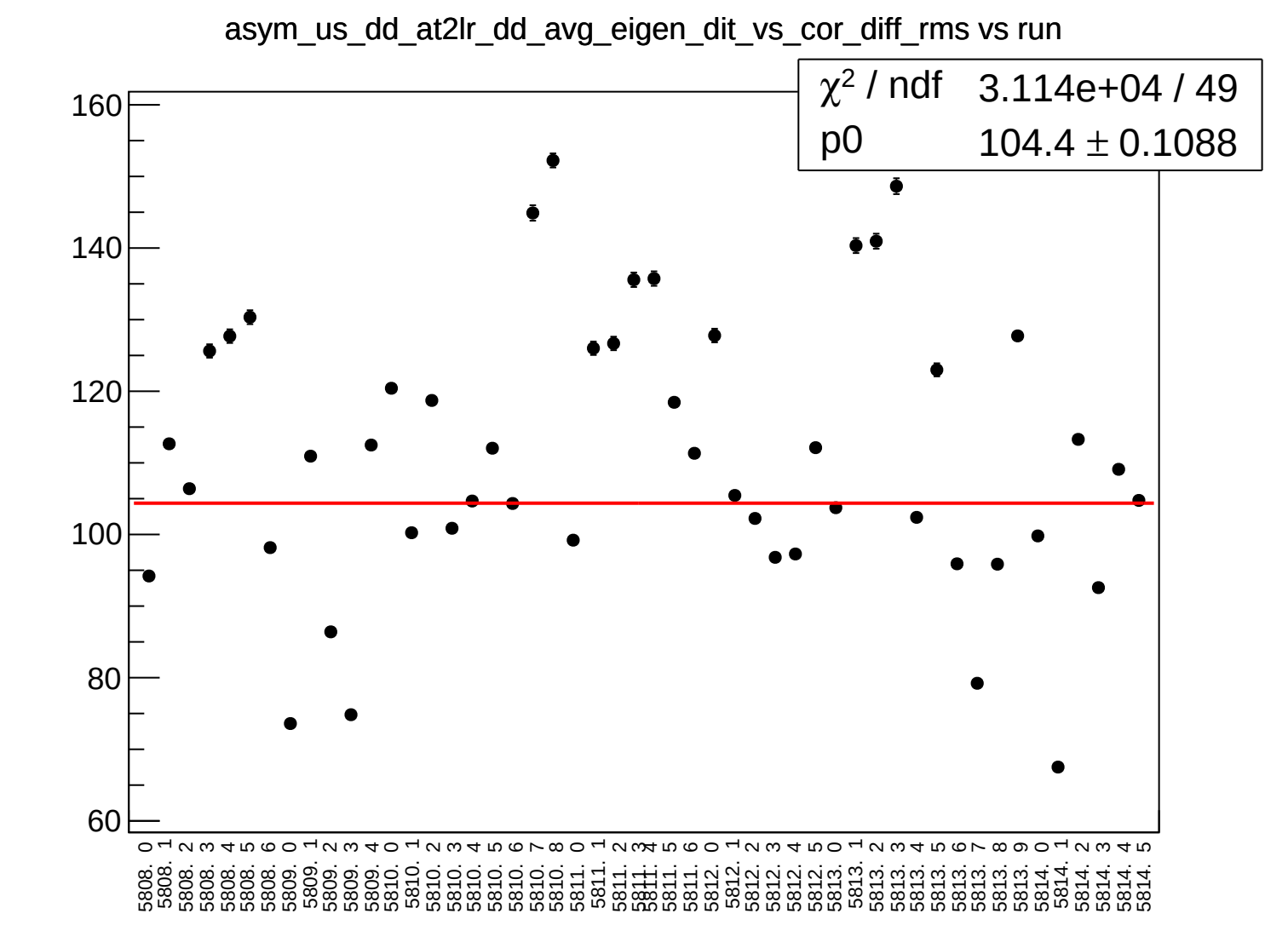

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2169 / 49
p0 0.009255 ± 9.496e−06
0.0104
0.0102
0.01
0.0098
0.0096
0.0094
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run








asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.114e+04 / 49
p0 104.4 ± 0.1088
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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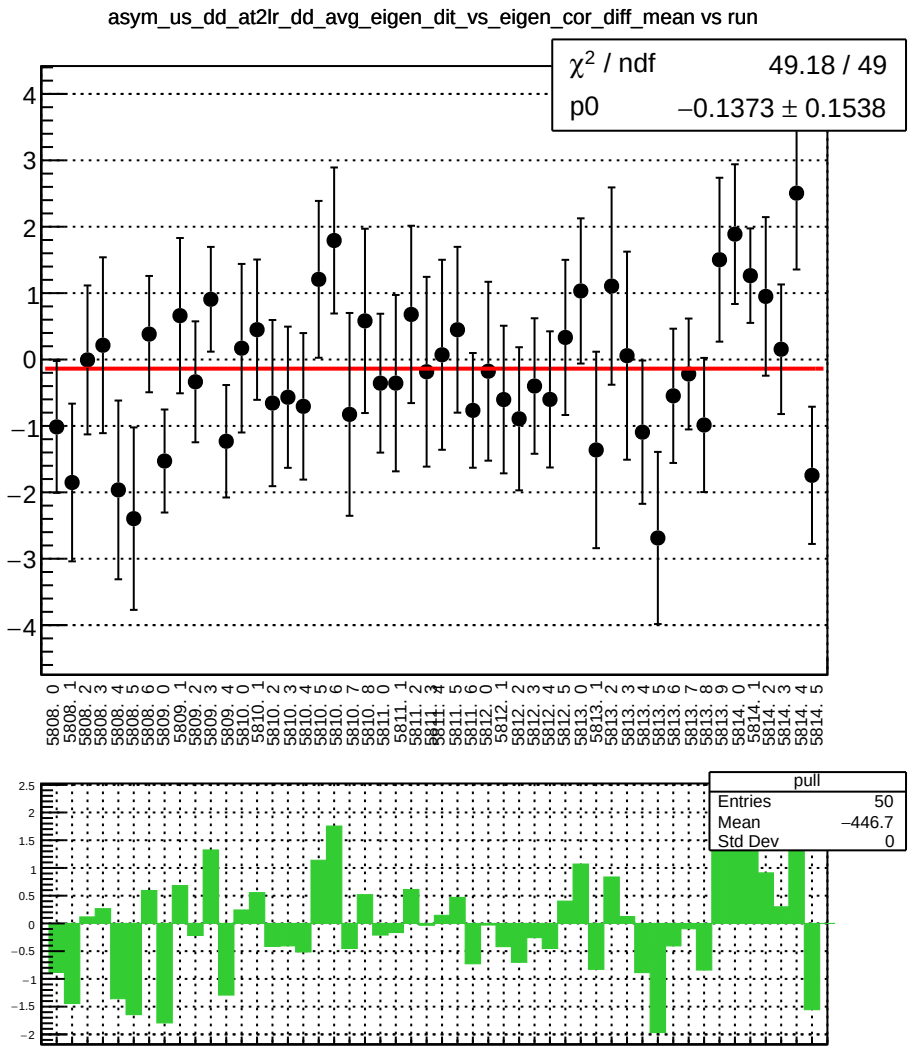
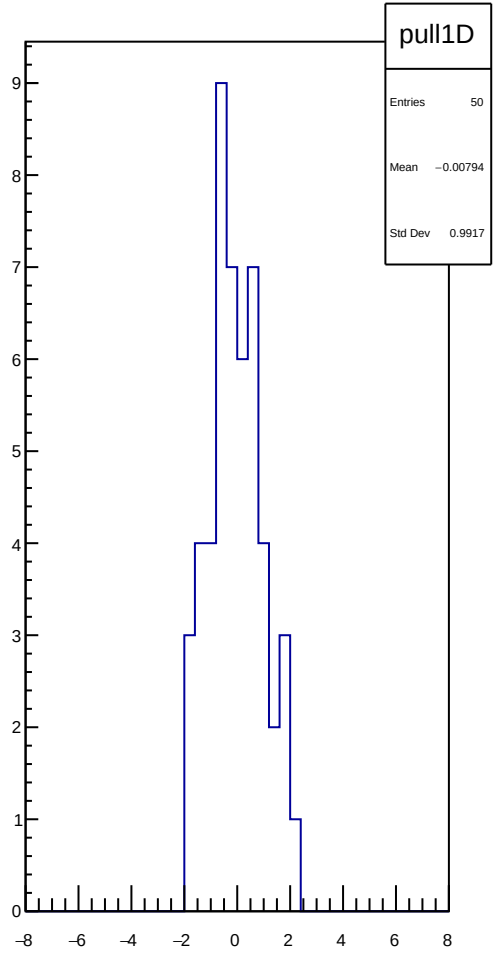
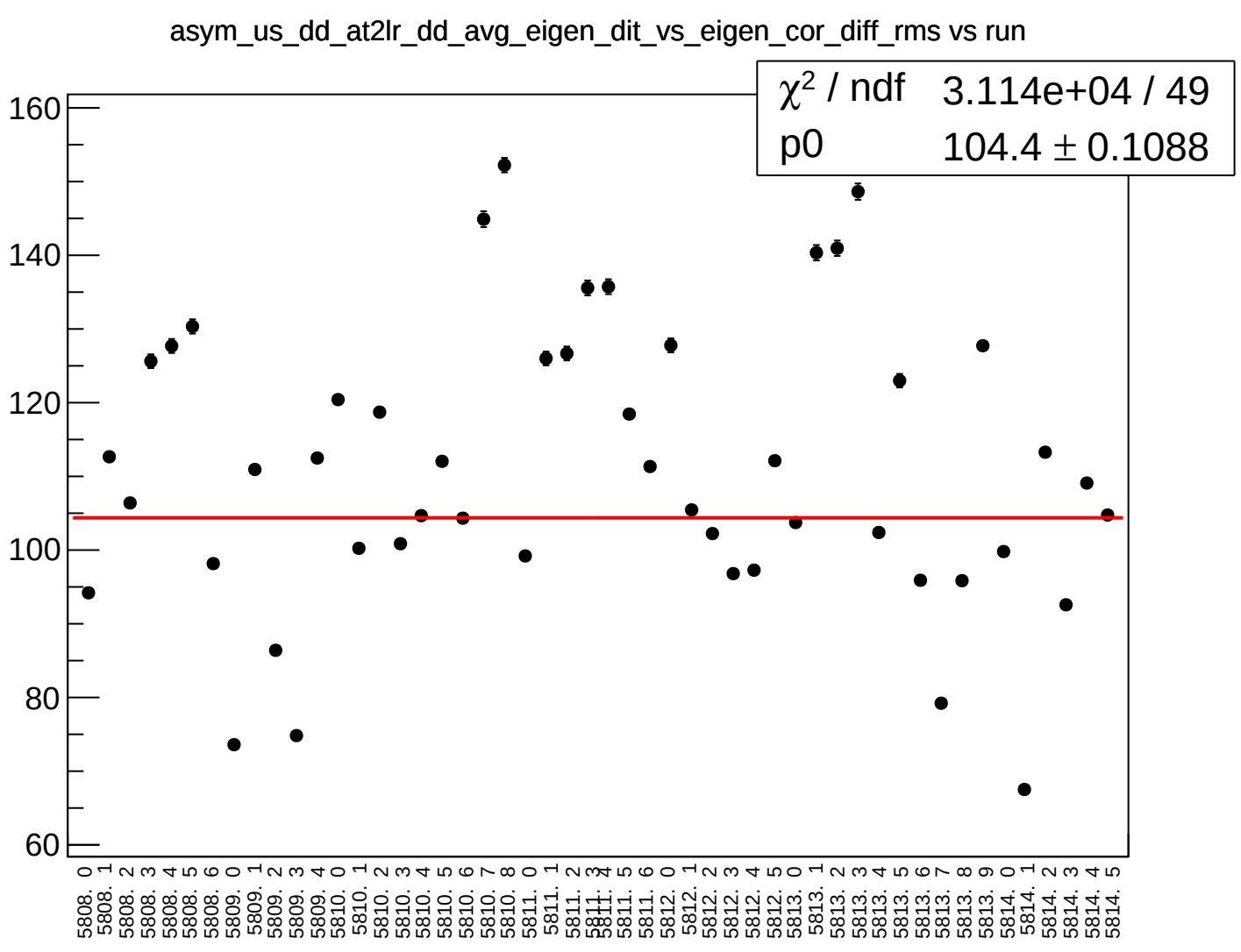
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.18 / 49
p0 −0.1373 ± 0.1538
pull
Entries 50
Mean −446.7
Std Dev 0


pull1D
Entries 50
Mean −0.00794
Std Dev 0.9917


asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.114e+04 / 49
p0 104.4 ± 0.1088
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
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5813. 4
5813. 5
5813. 6
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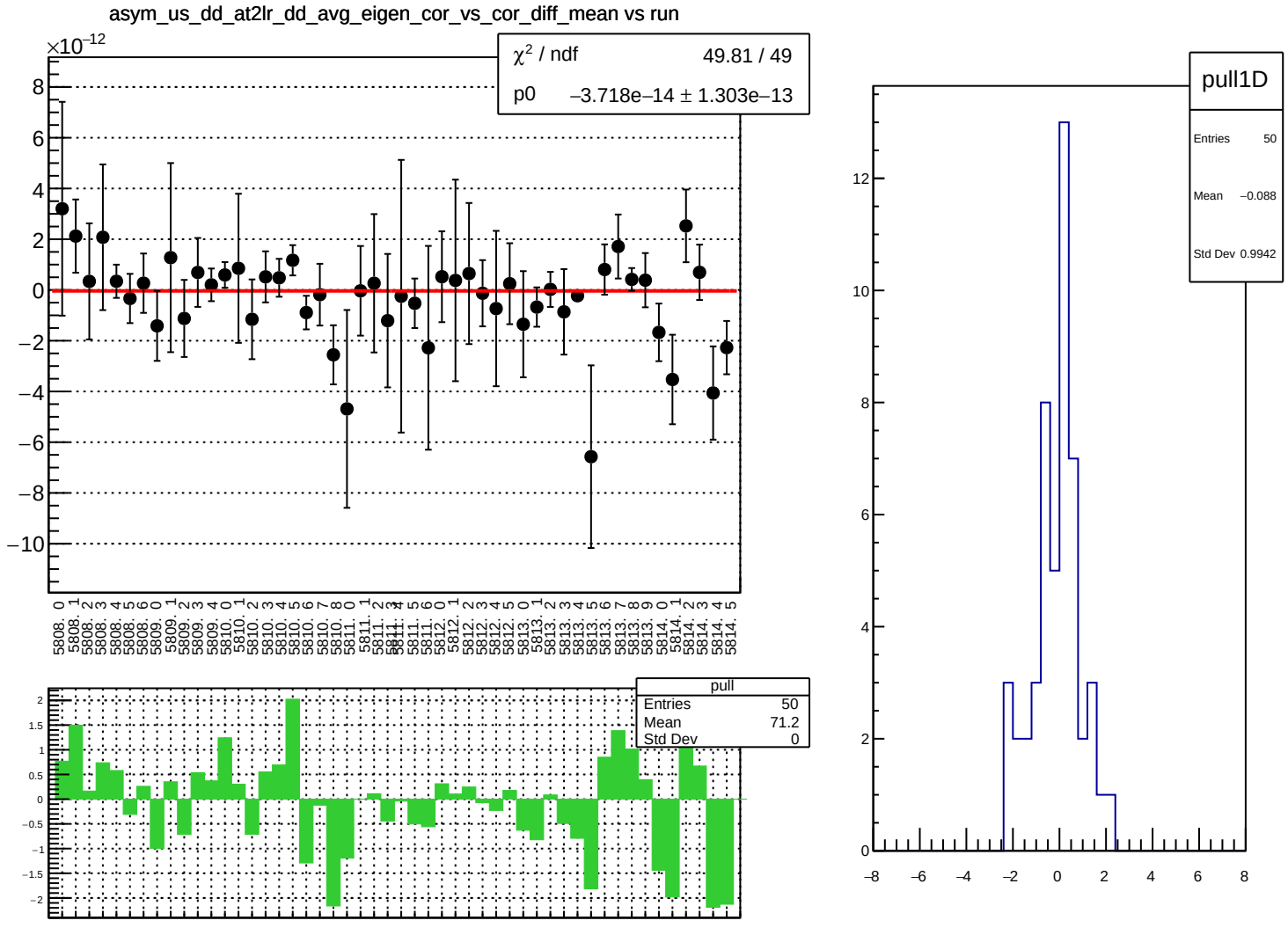
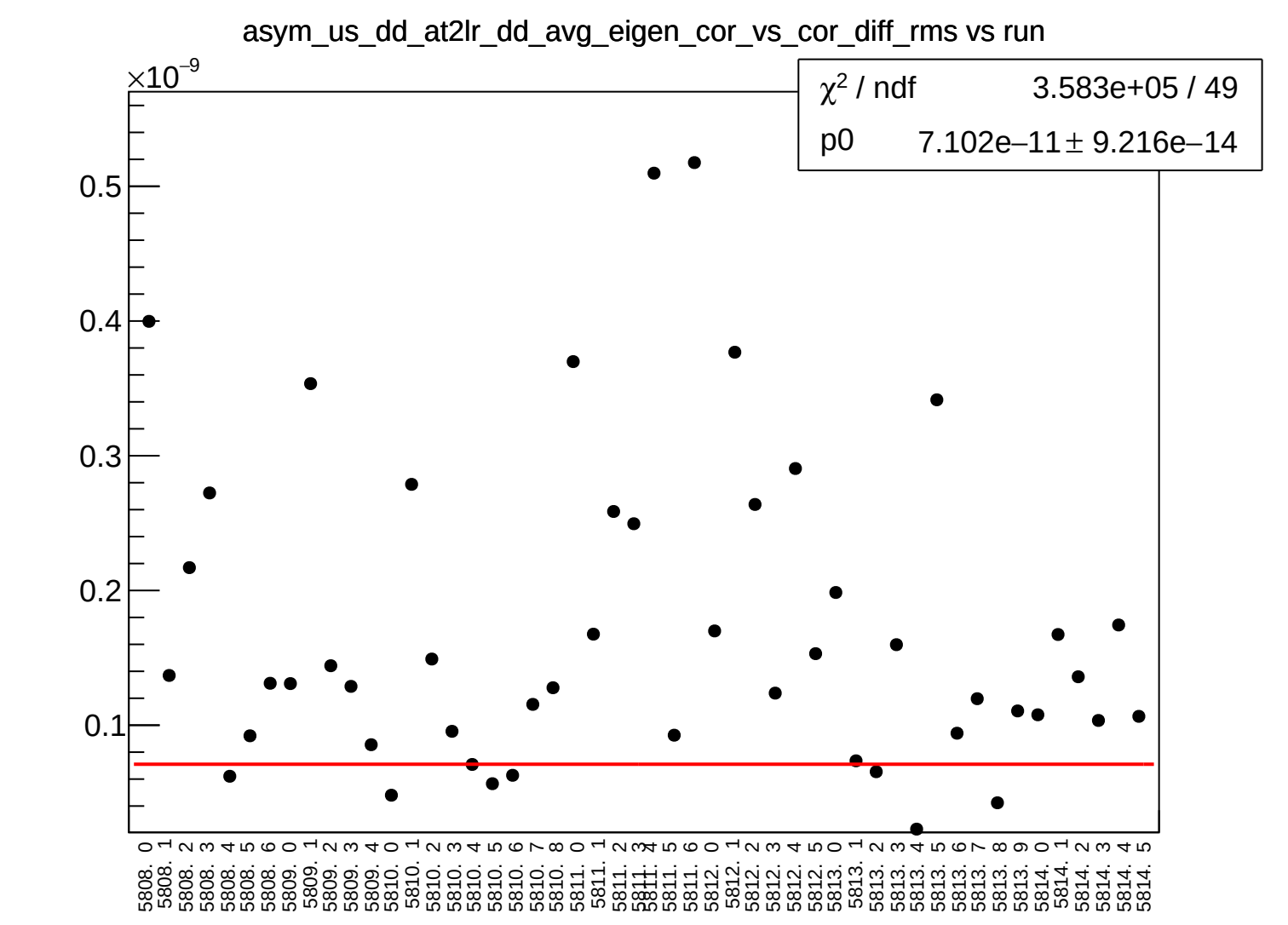
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.81 / 49
p0 −3.718e−14 ± 1.303e−13
pull
Entries 50
Mean 71.2
Std Dev 0
pull1D
Entries 50
Mean −0.088
Std Dev 0.9942


asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.583e+05 / 49
p0 7.102e−11 ± 9.216e−14
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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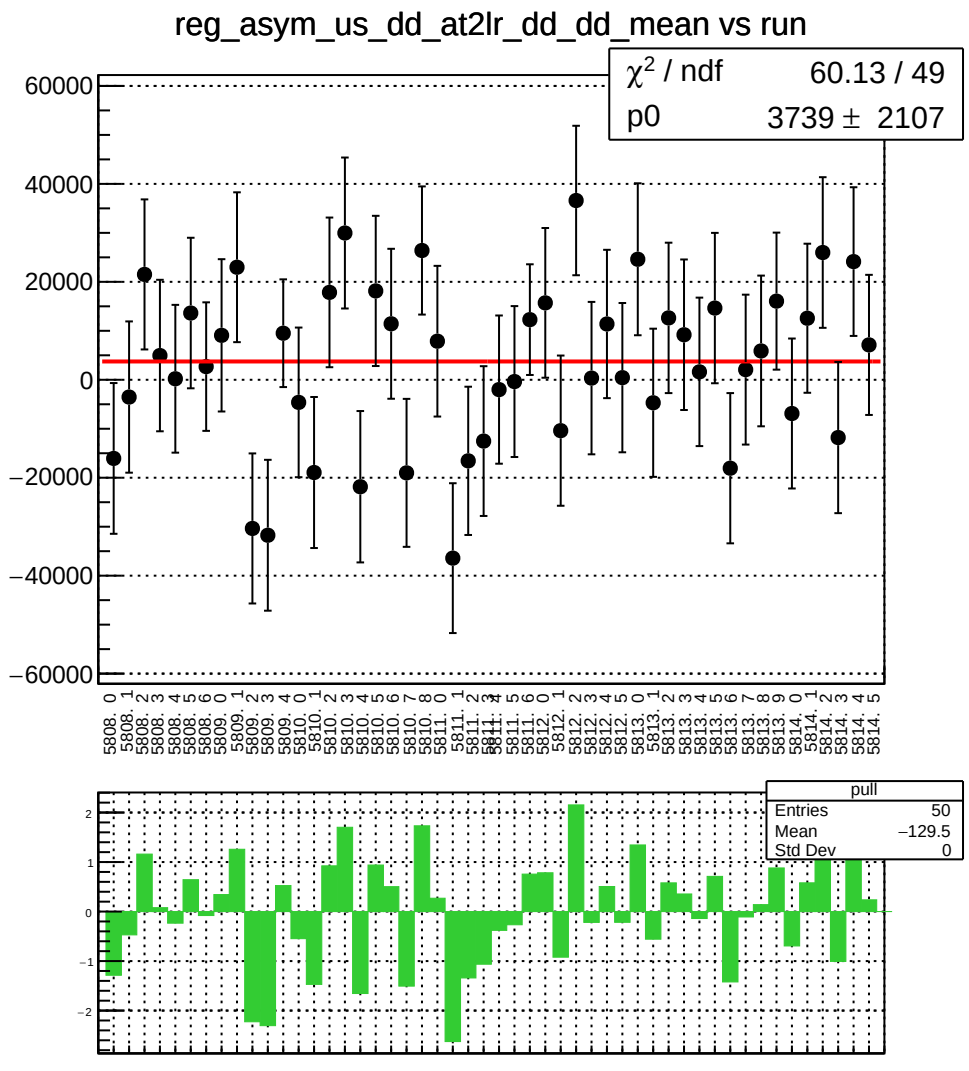
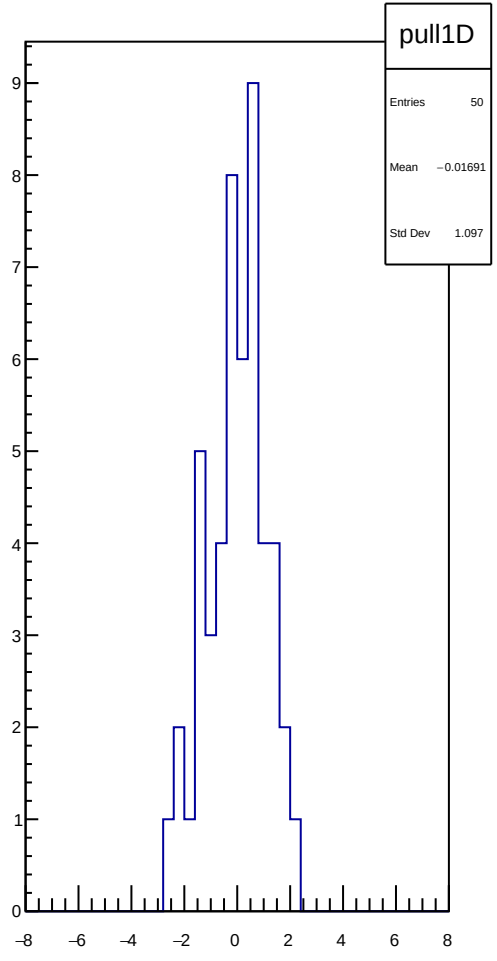
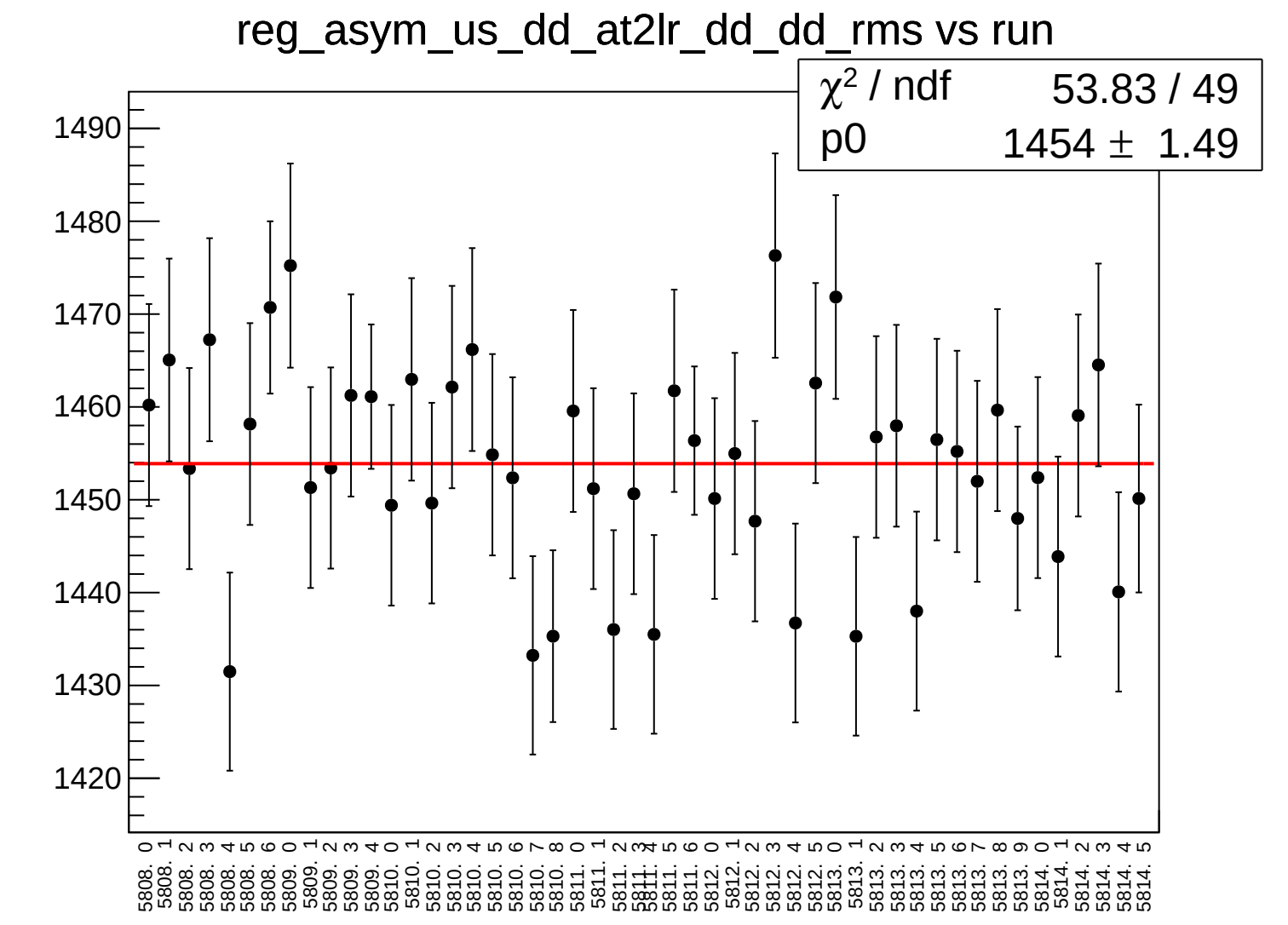
5814. 4
5814. 5


reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.13 / 49
p0 3739 ± 2107
pull
Entries 50
Mean −129.5
Std Dev 0


pull1D
Entries 50
Mean −0.01691
Std Dev 1.097


reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 53.83 / 49
p0 1454 ± 1.49
1490
1480
1470
1460
1450
1440
1430
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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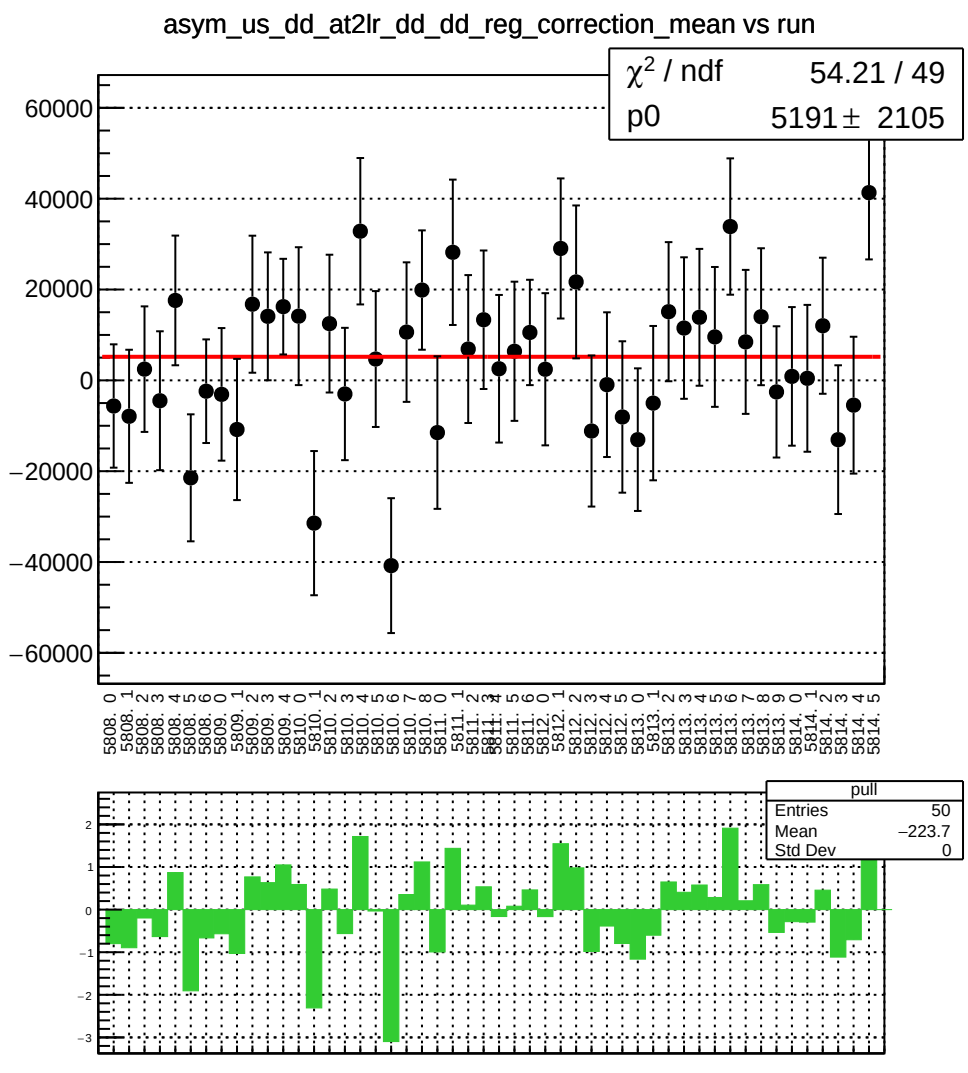
asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 54.21 / 49
p0 5191 ± 2105
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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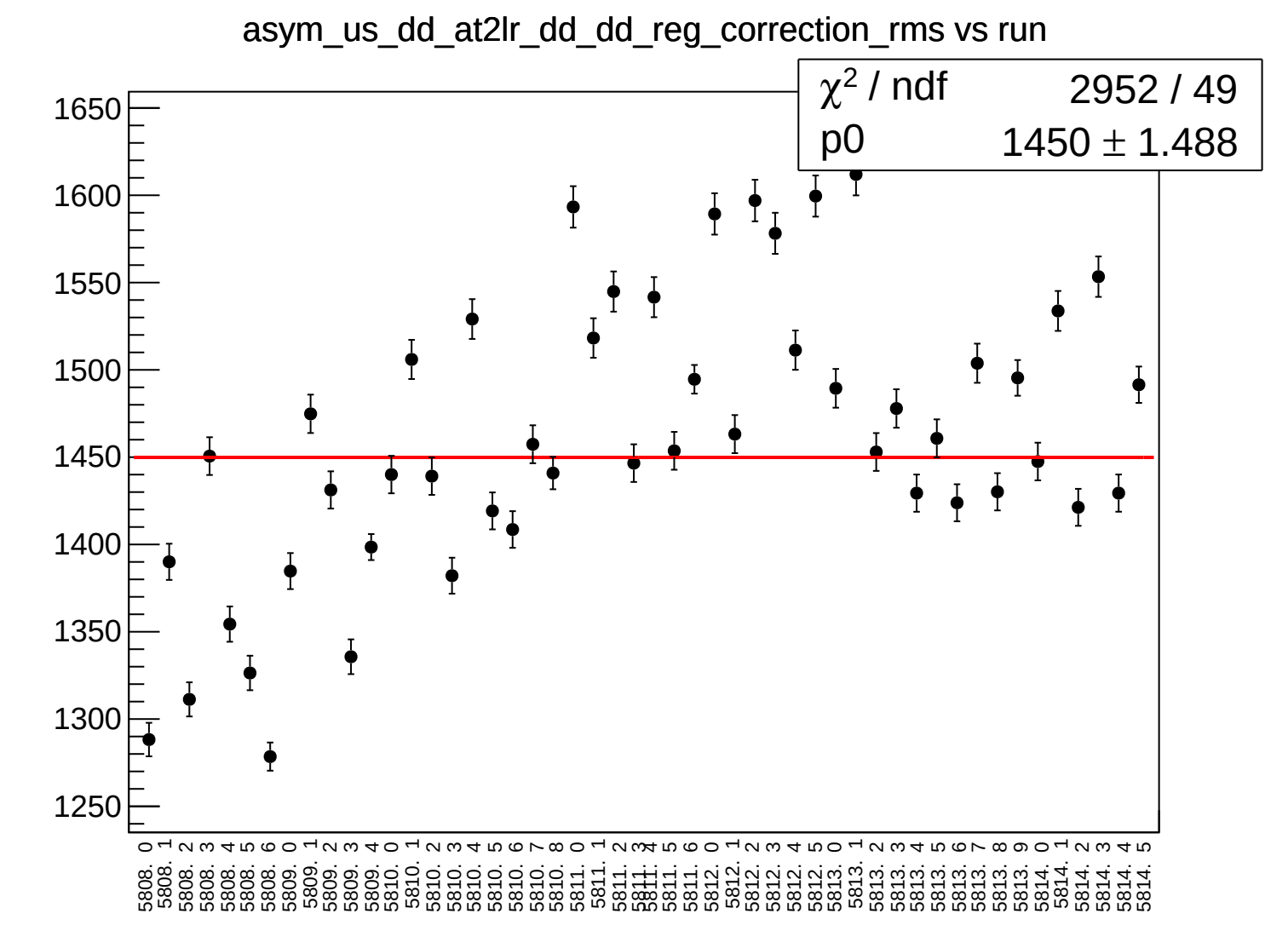
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −223.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01237
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 2952 / 49
p0 1450 ± 1.488
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5813. 2
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5813. 4
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5814. 2
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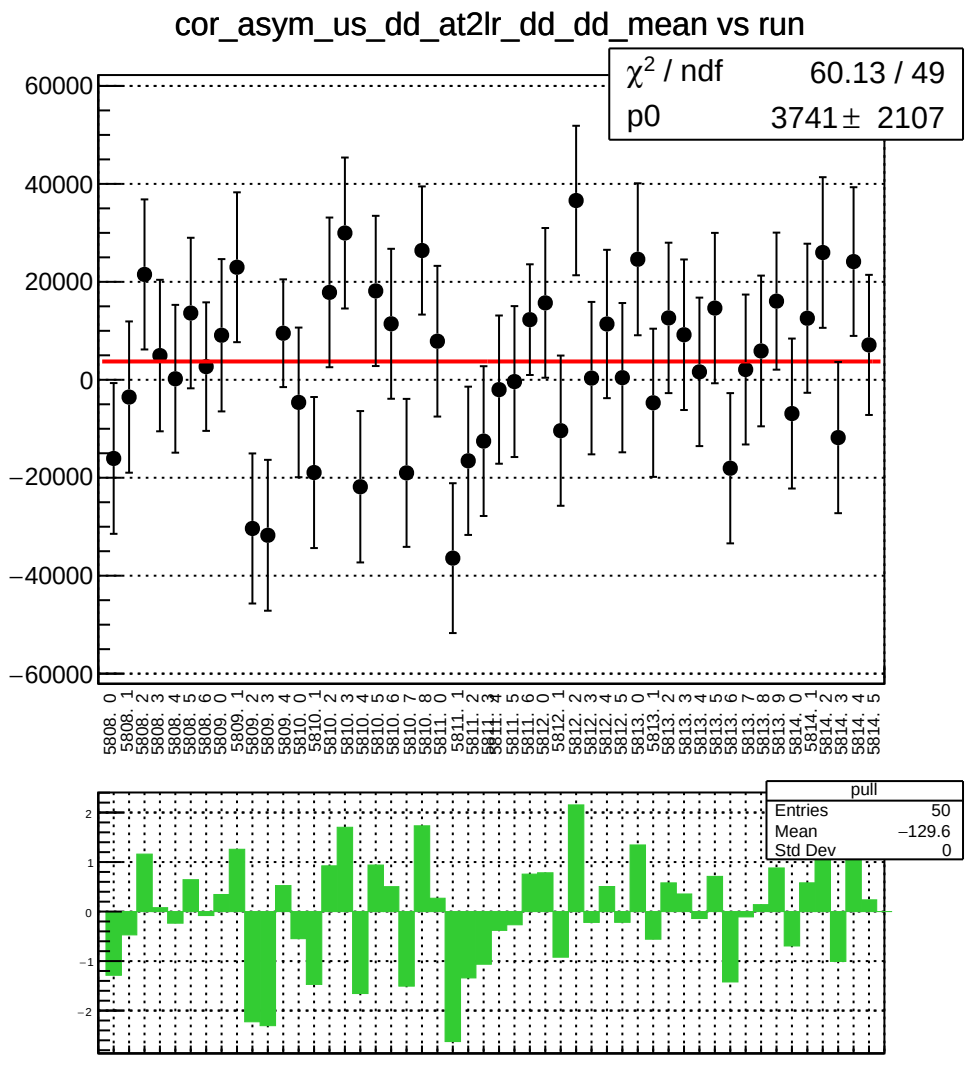
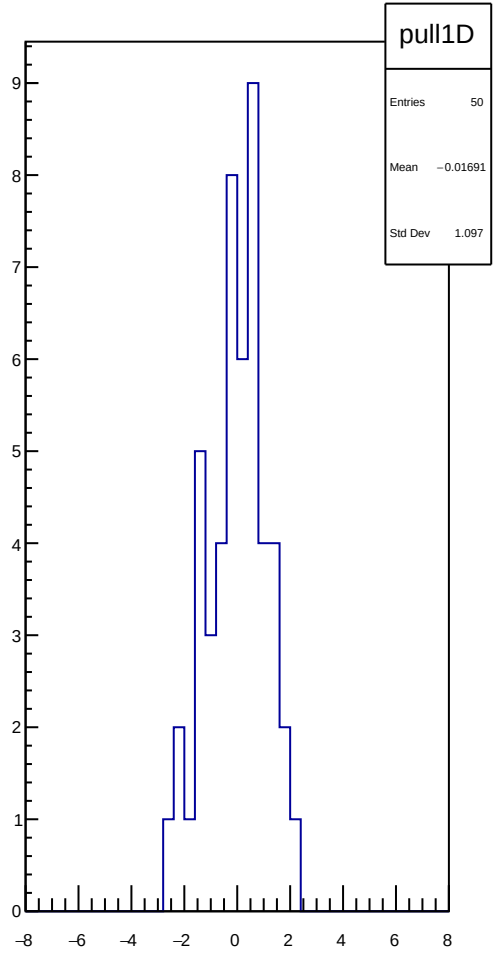
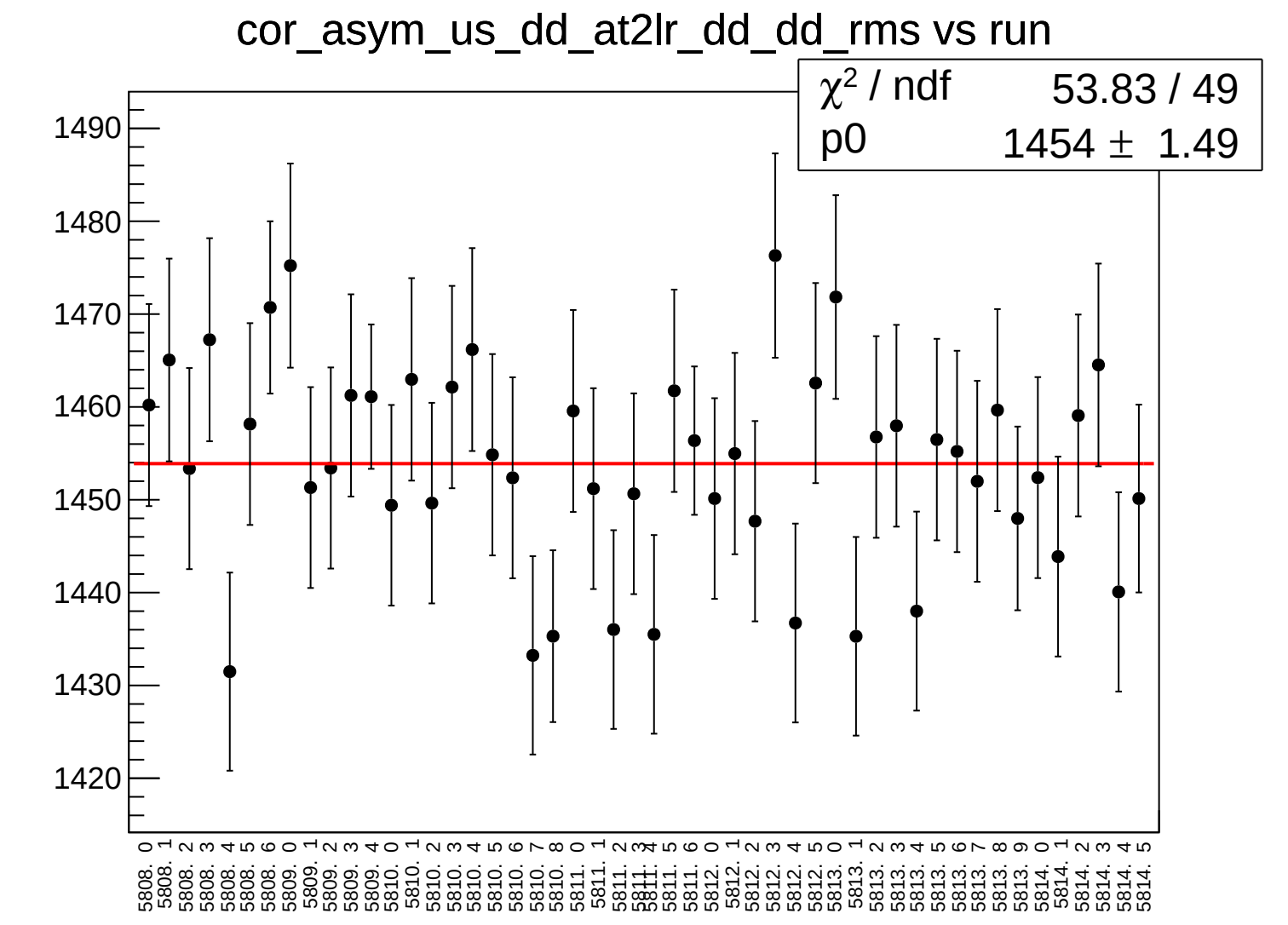
5814. 4
5814. 5


cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.13 / 49
p0 3741 ± 2107
pull
Entries 50
Mean −129.6
Std Dev 0


pull1D
Entries 50
Mean −0.01691
Std Dev 1.097


cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 53.83 / 49
p0 1454 ± 1.49
1490
1480
1470
1460
1450
1440
1430
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
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5812. 4
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5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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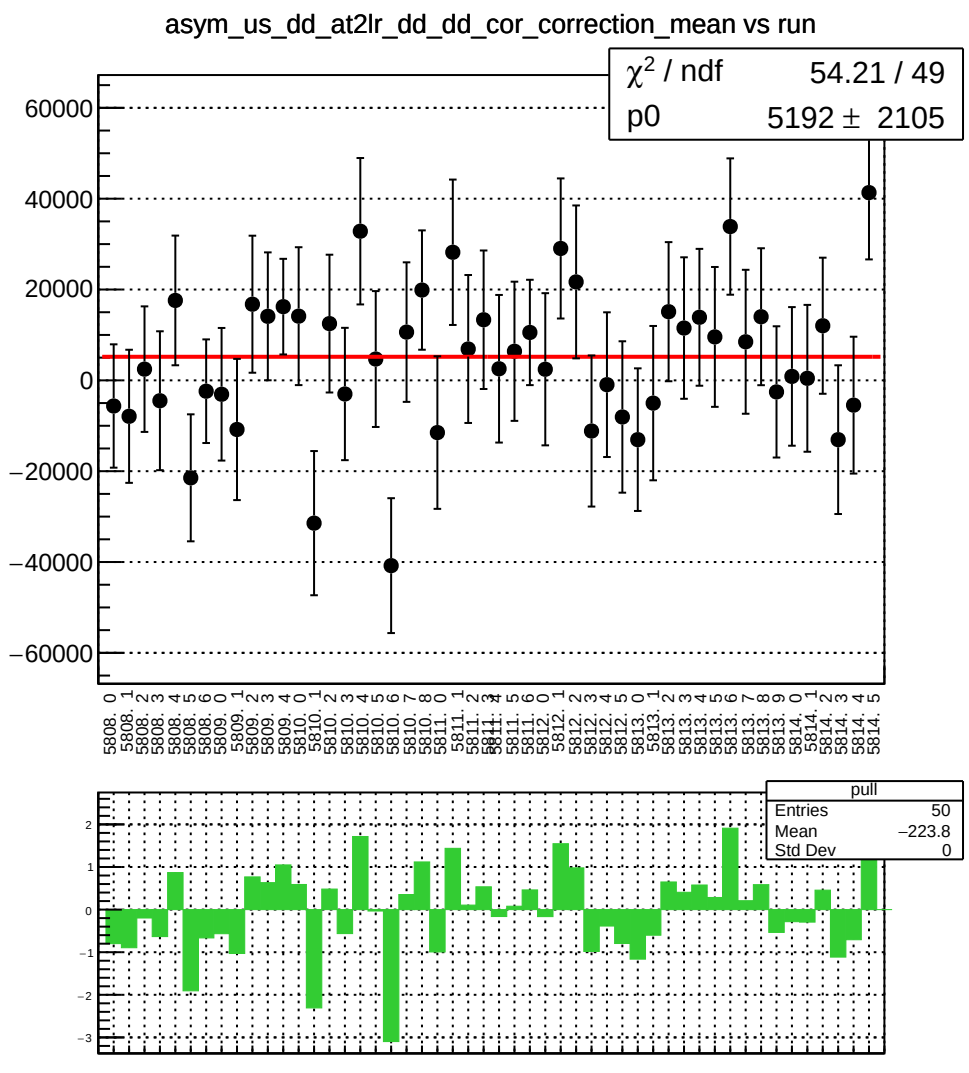
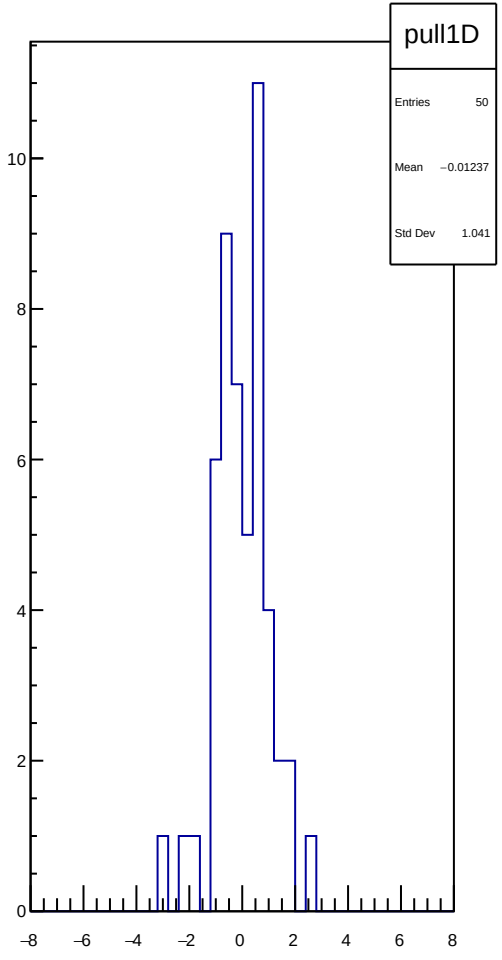
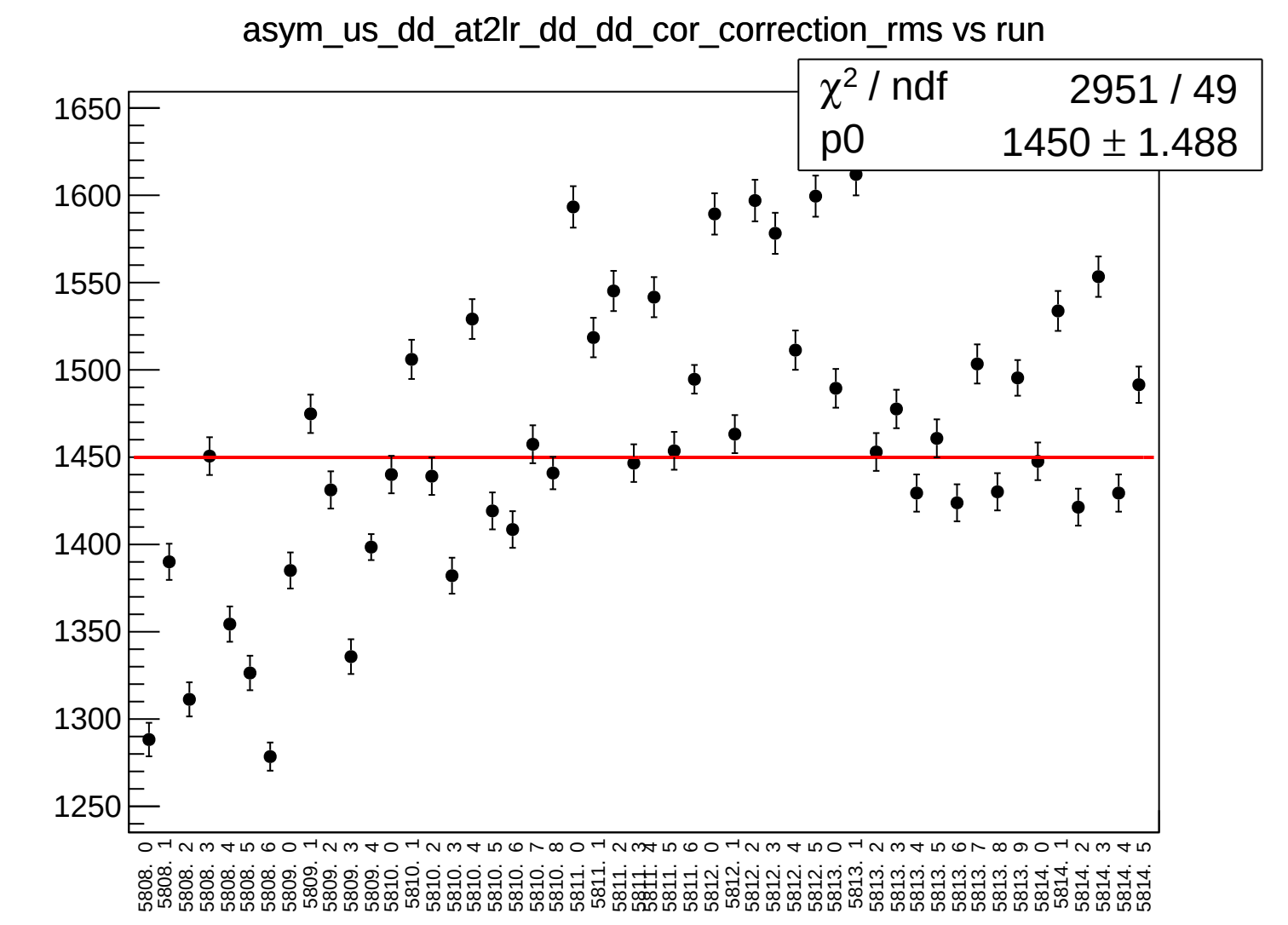
5814. 4
5814. 5


asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 54.21 / 49
p0 5192 ± 2105
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −223.8
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01237
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 2951 / 49
p0 1450 ± 1.488
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
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5811. 2
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5811. 4
5811. 5
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5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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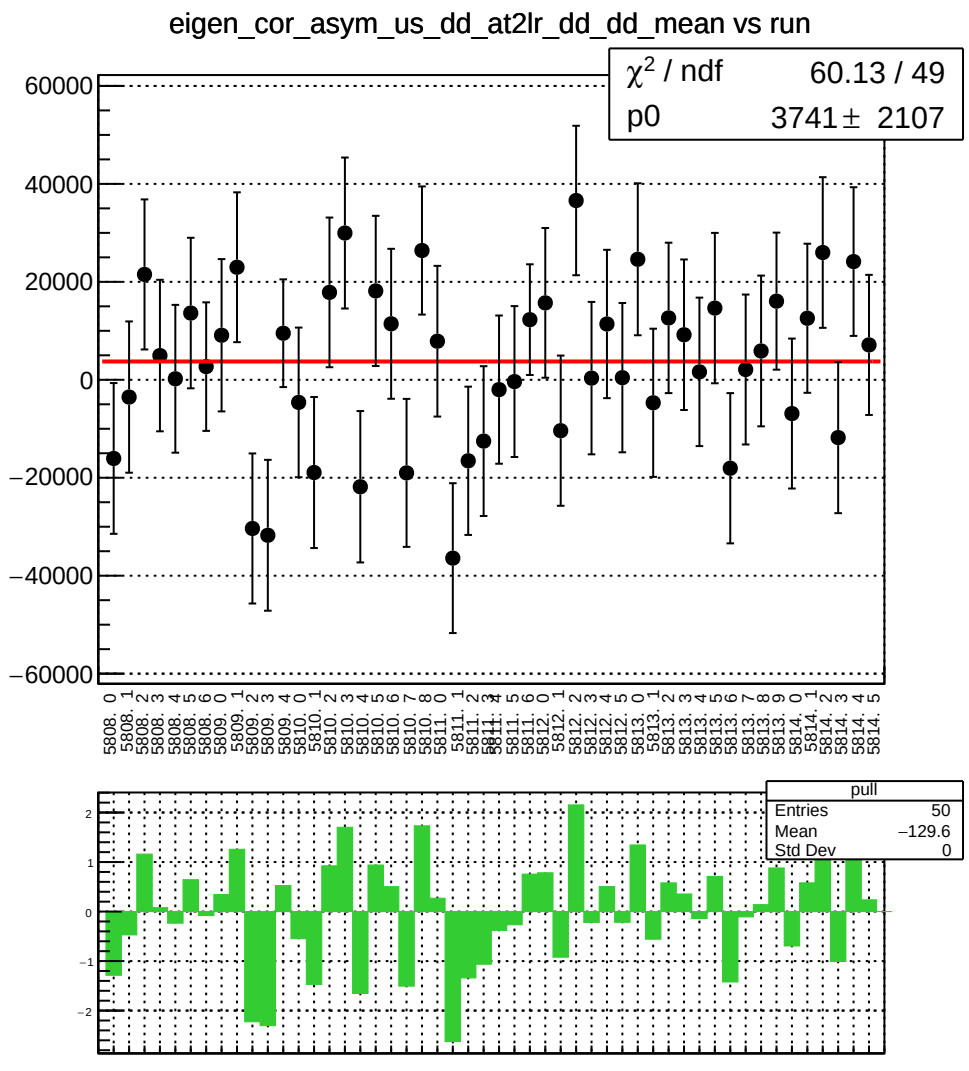
5814. 4
5814. 5


eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.13 / 49
p0 3741 ± 2107
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5813. 6
5813. 7
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5814. 4
5814. 5
pull
Entries 50
Mean −129.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.01691
Std Dev 1.097
9
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5
4
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2
1
0
−8
−6
−4
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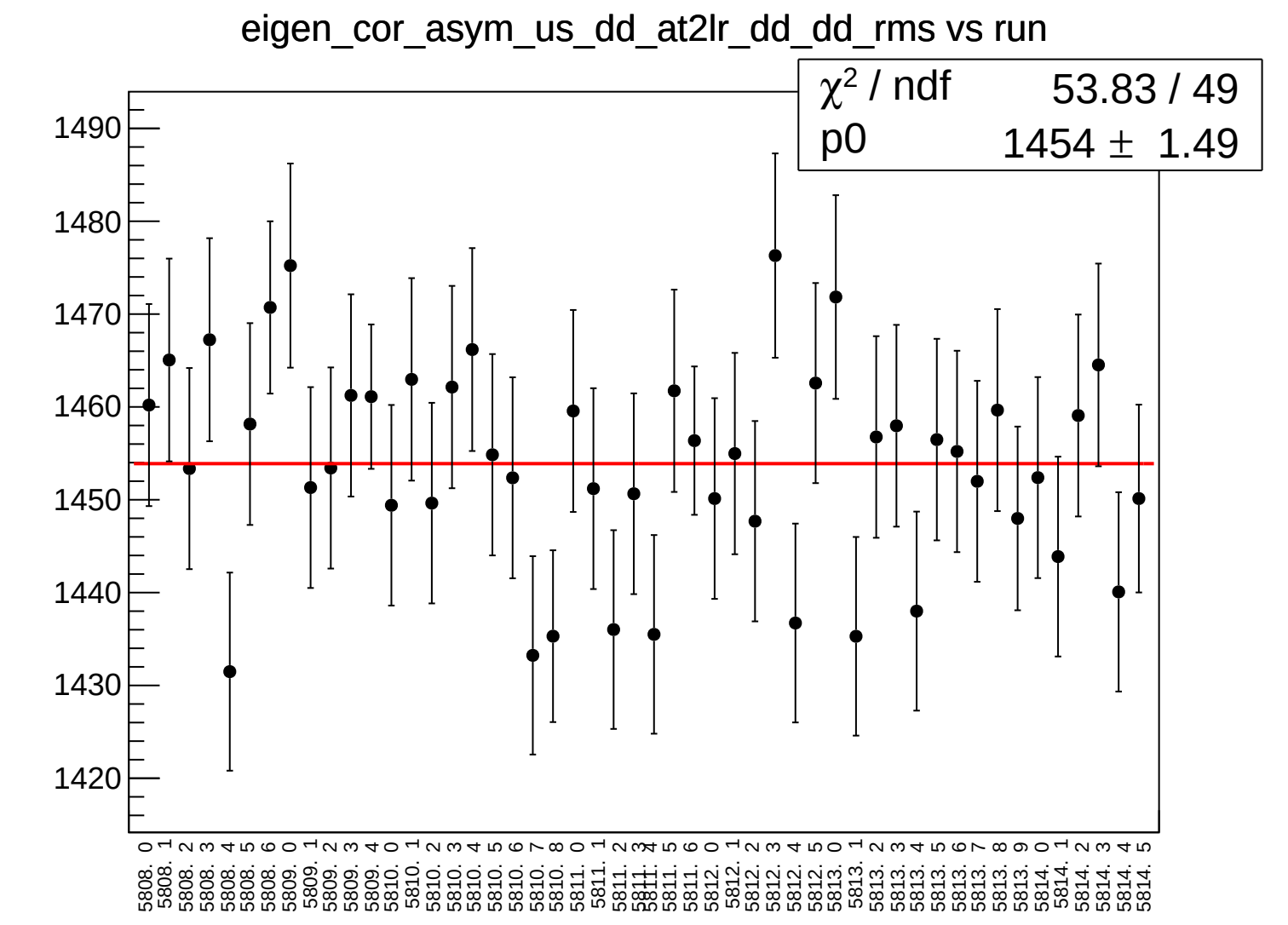
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 53.83 / 49
p0 1454 ± 1.49
1490
1480
1470
1460
1450
1440
1430
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
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5812. 5
5813. 0
5813. 1
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5813. 5
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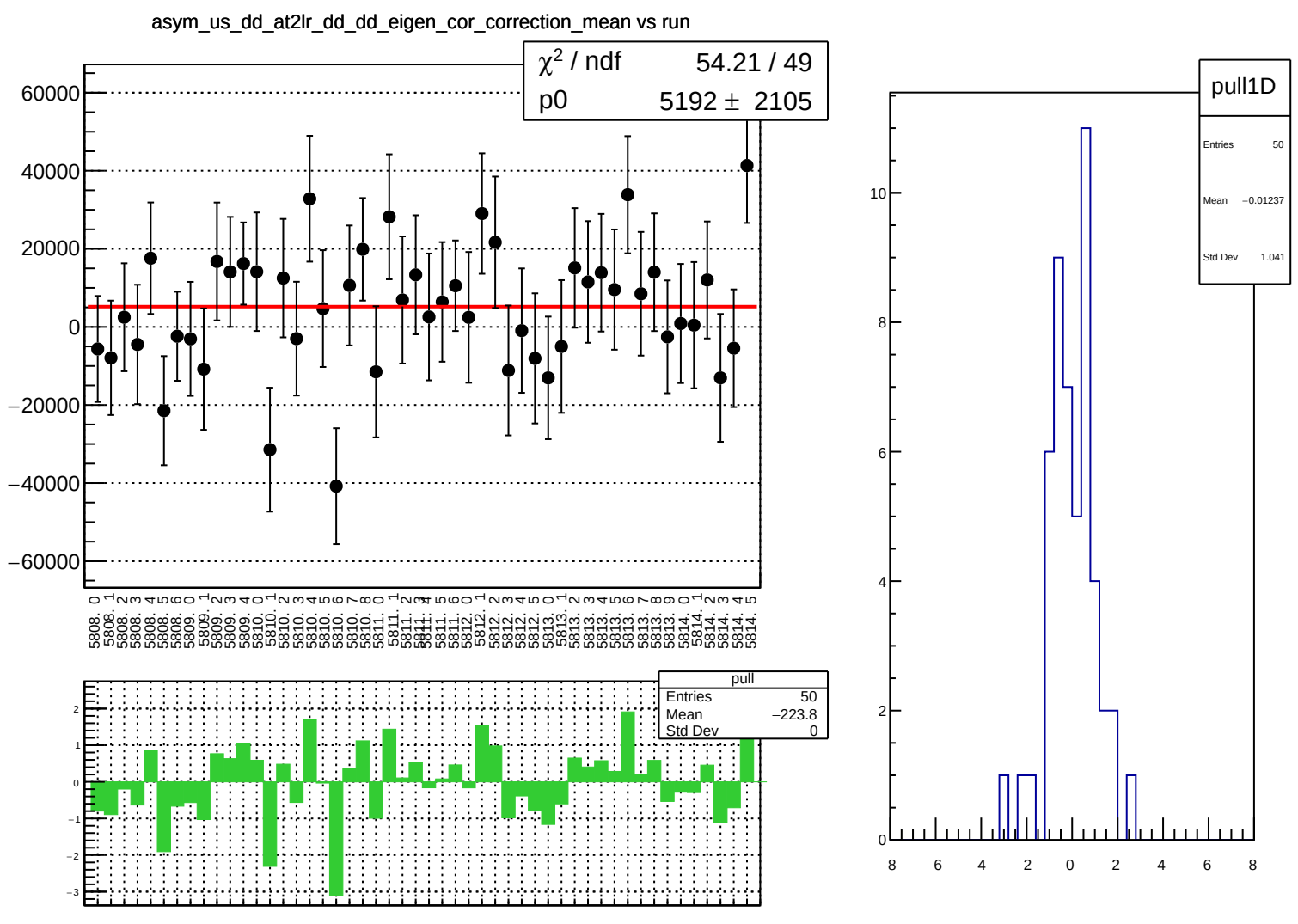
5814. 5


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 54.21 / 49
p0 5192 ± 2105
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
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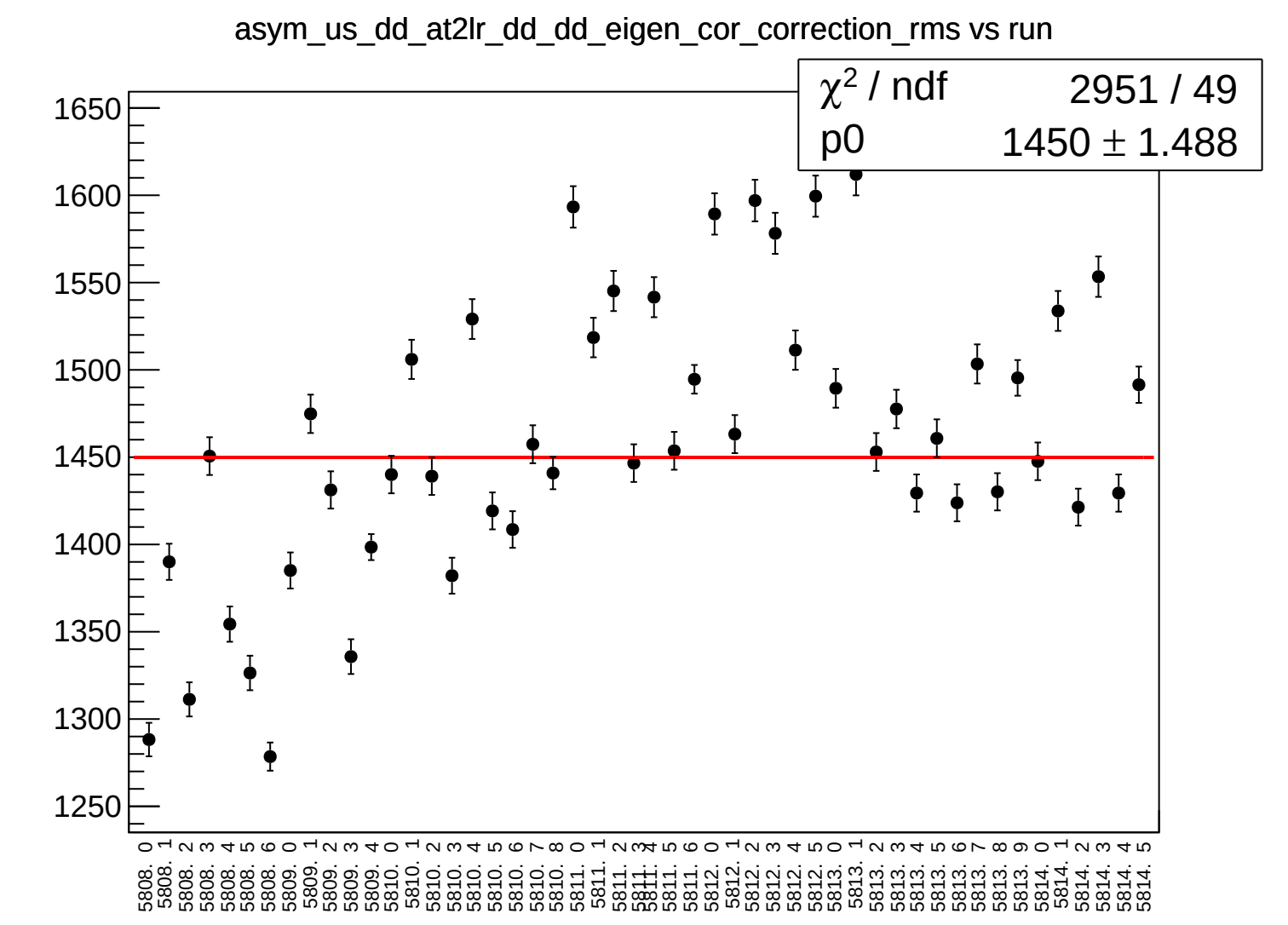
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −223.8
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01237
Std Dev 1.041
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2951 / 49
p0 1450 ± 1.488
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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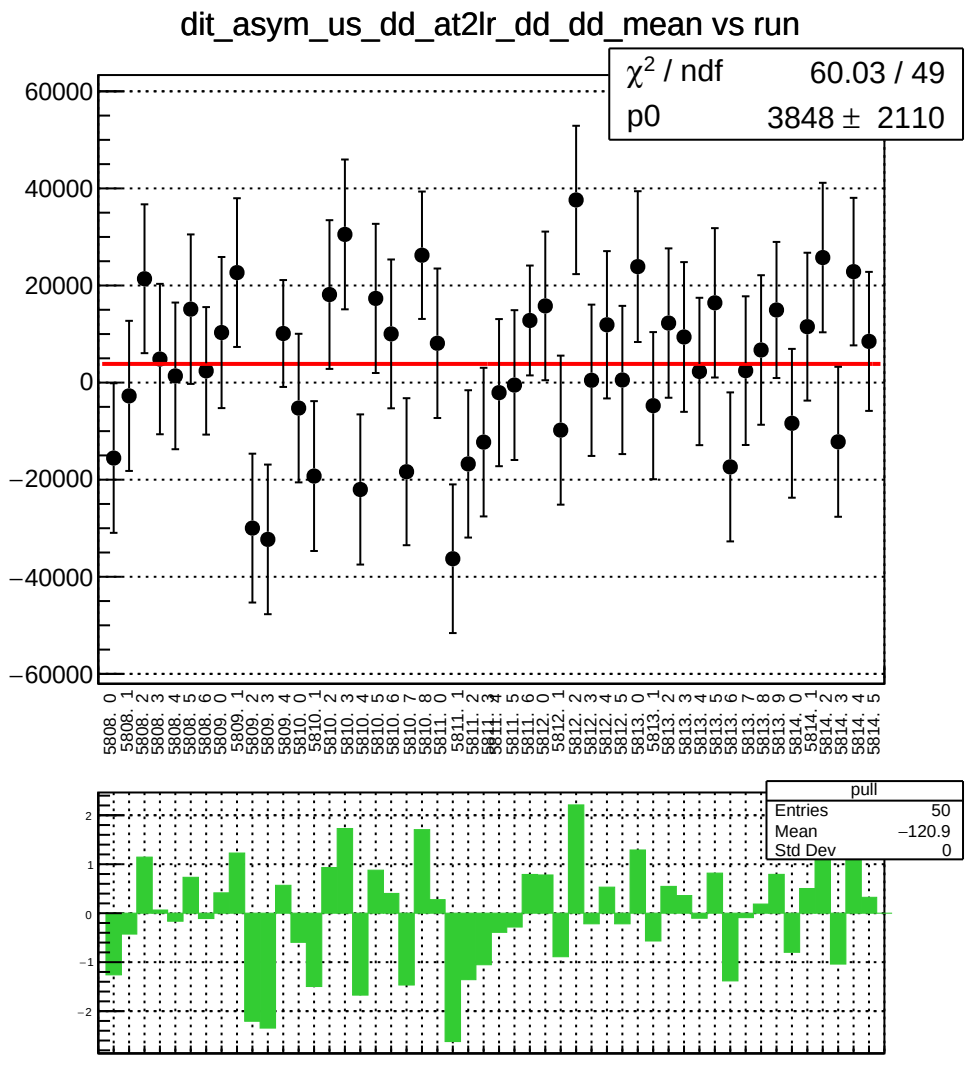
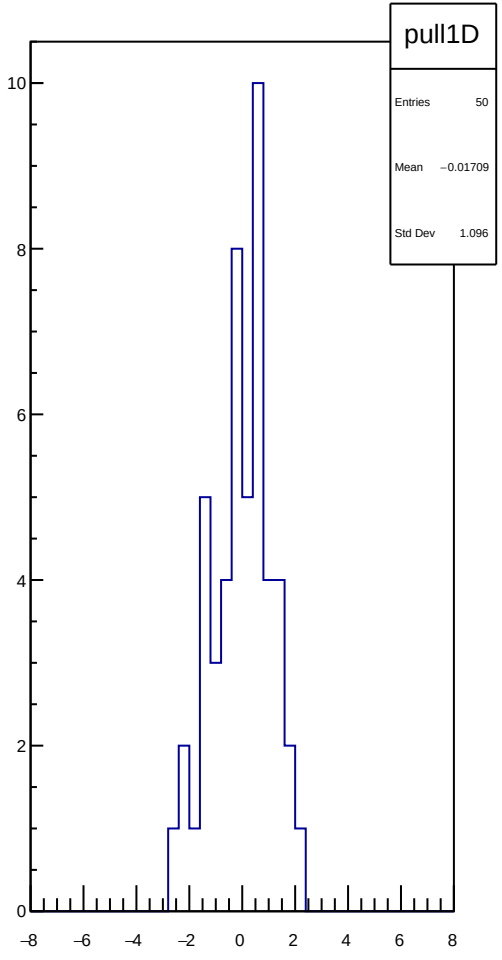
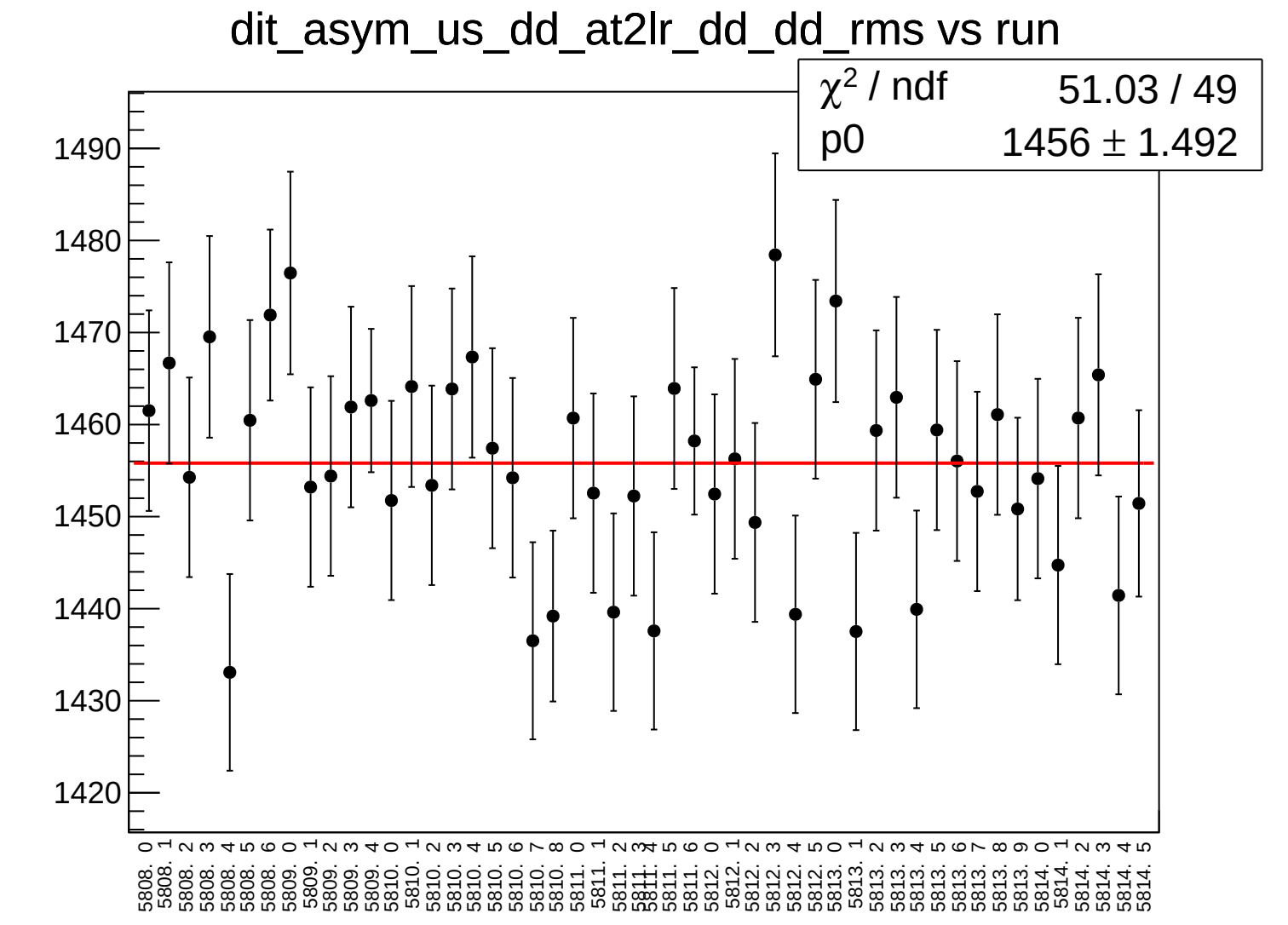

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.03 / 49
p0 3848 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −120.9
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.01709
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 51.03 / 49
p0 1456 ± 1.492
1490
1480
1470
1460
1450
1440
1430
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5813. 5
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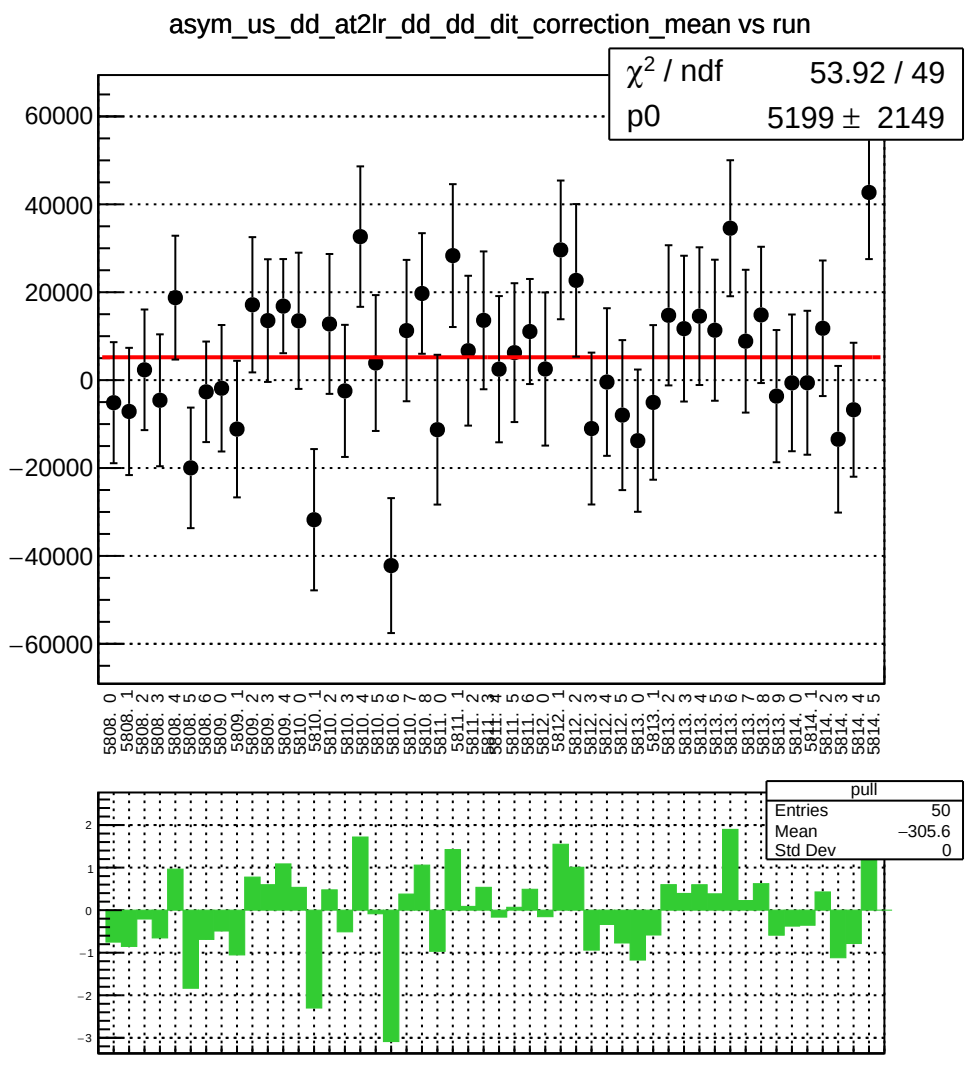
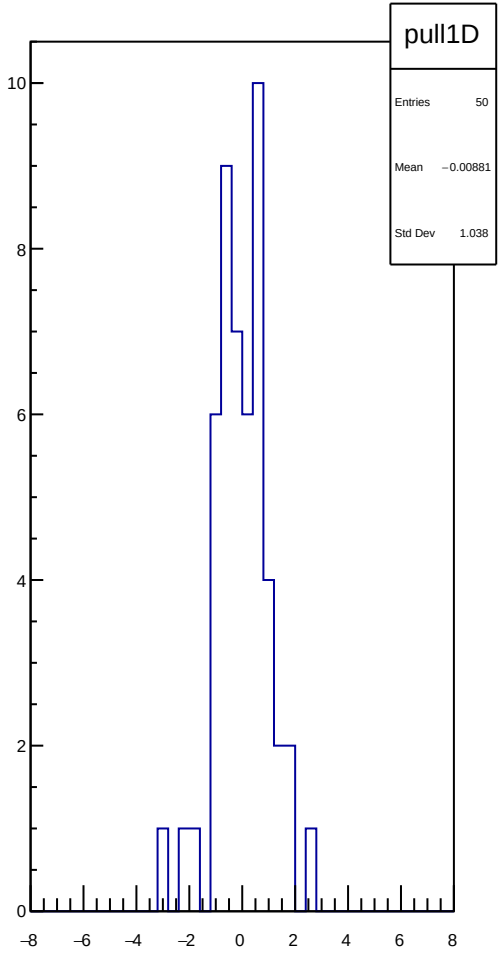

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 53.92 / 49
p0 5199 ± 2149
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −305.6
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.00881
Std Dev 1.038
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8
6
4
2
0
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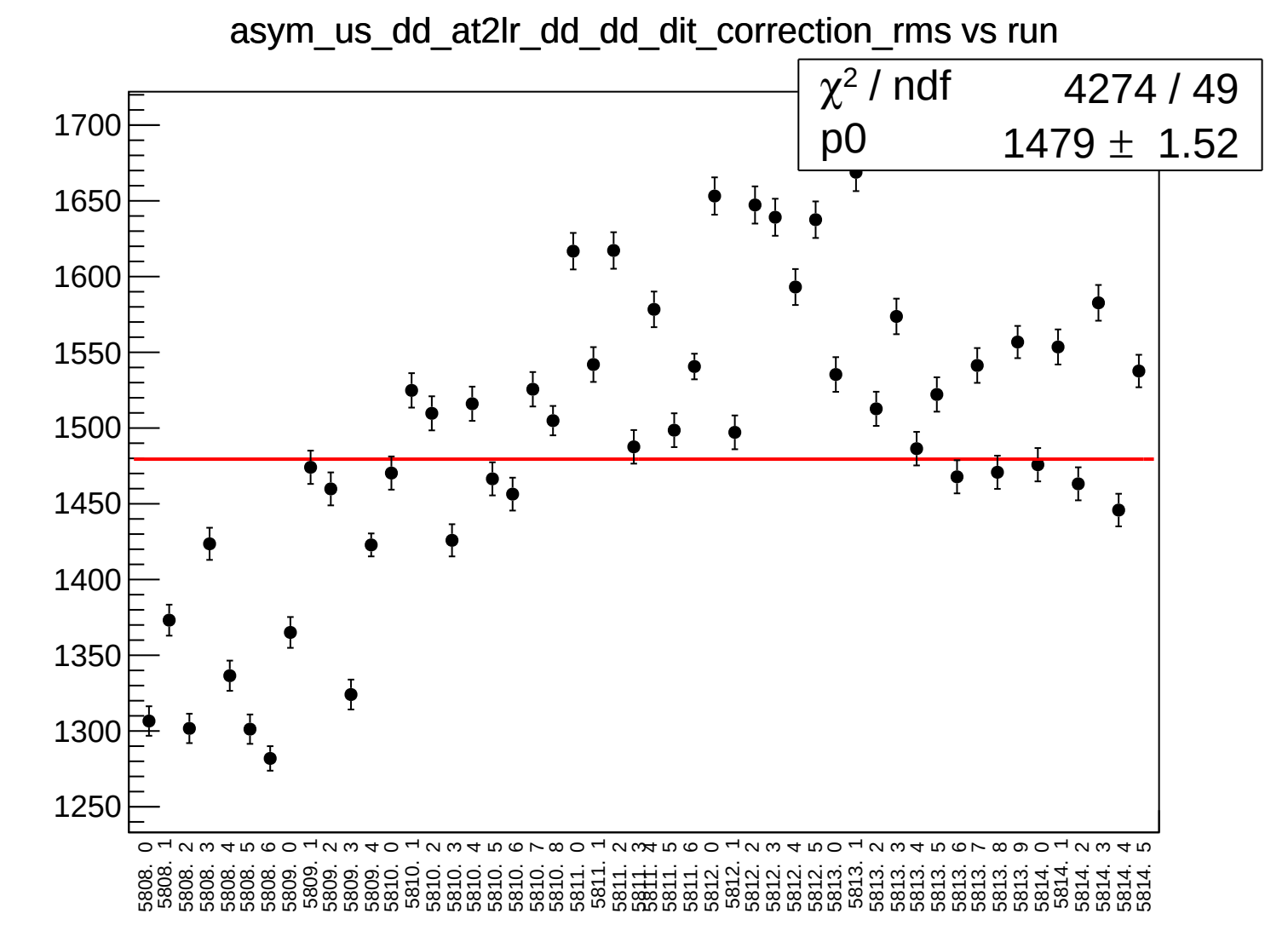
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 4274 / 49
p0 1479 ± 1.52
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
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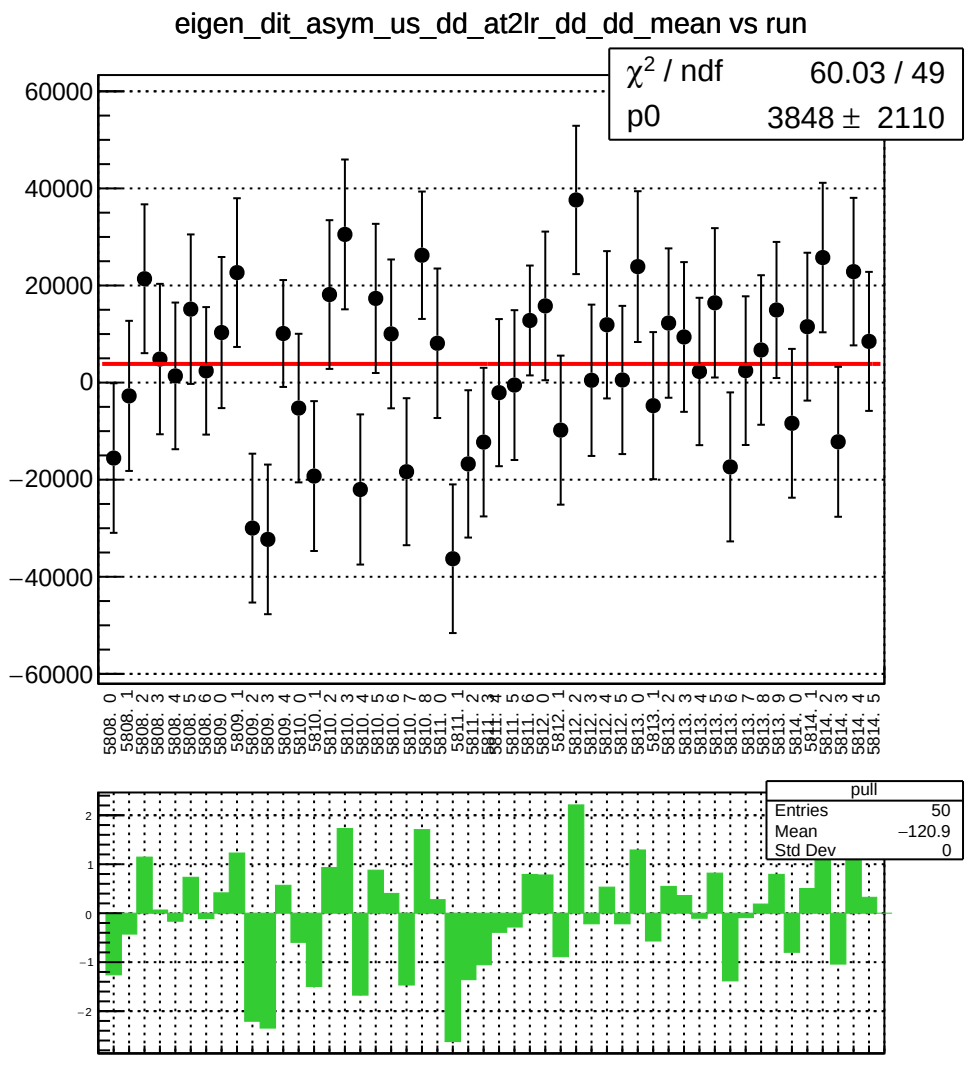
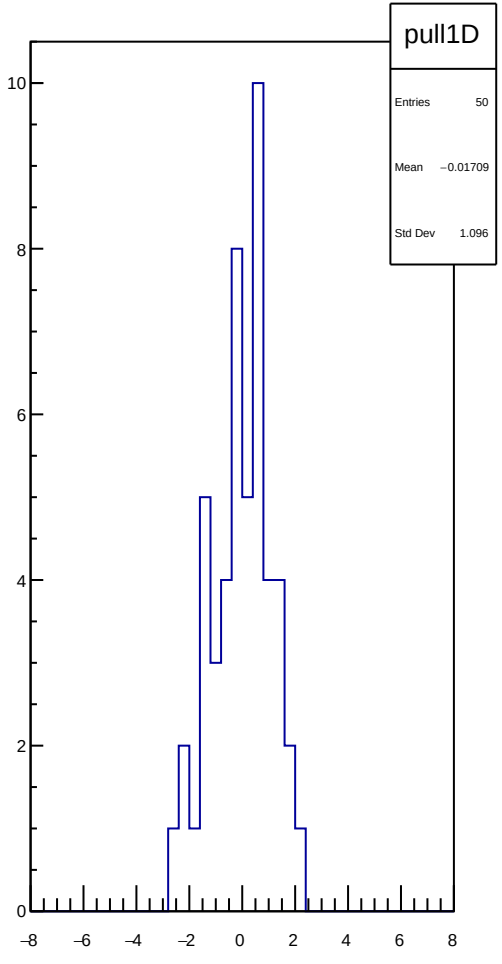
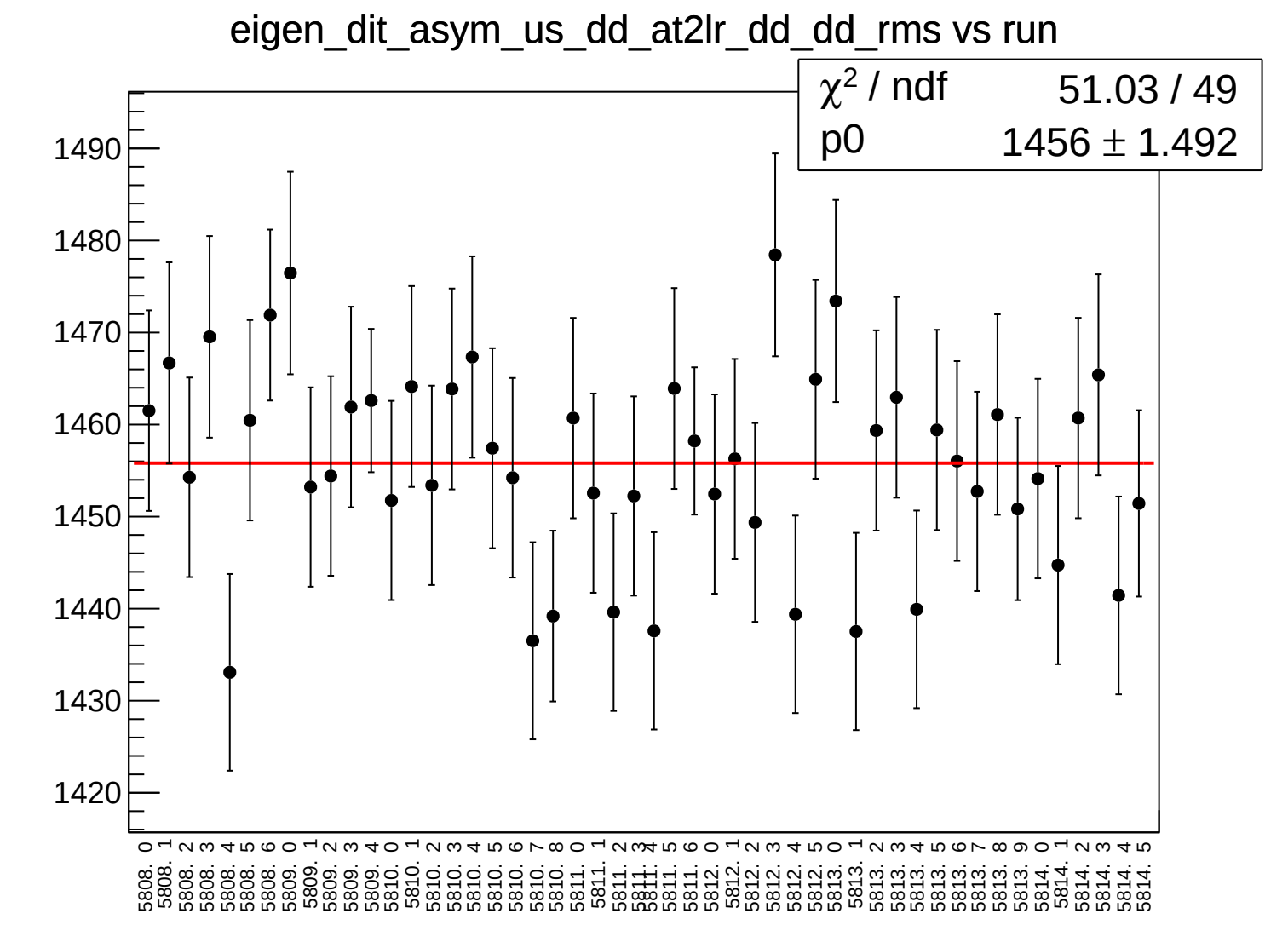
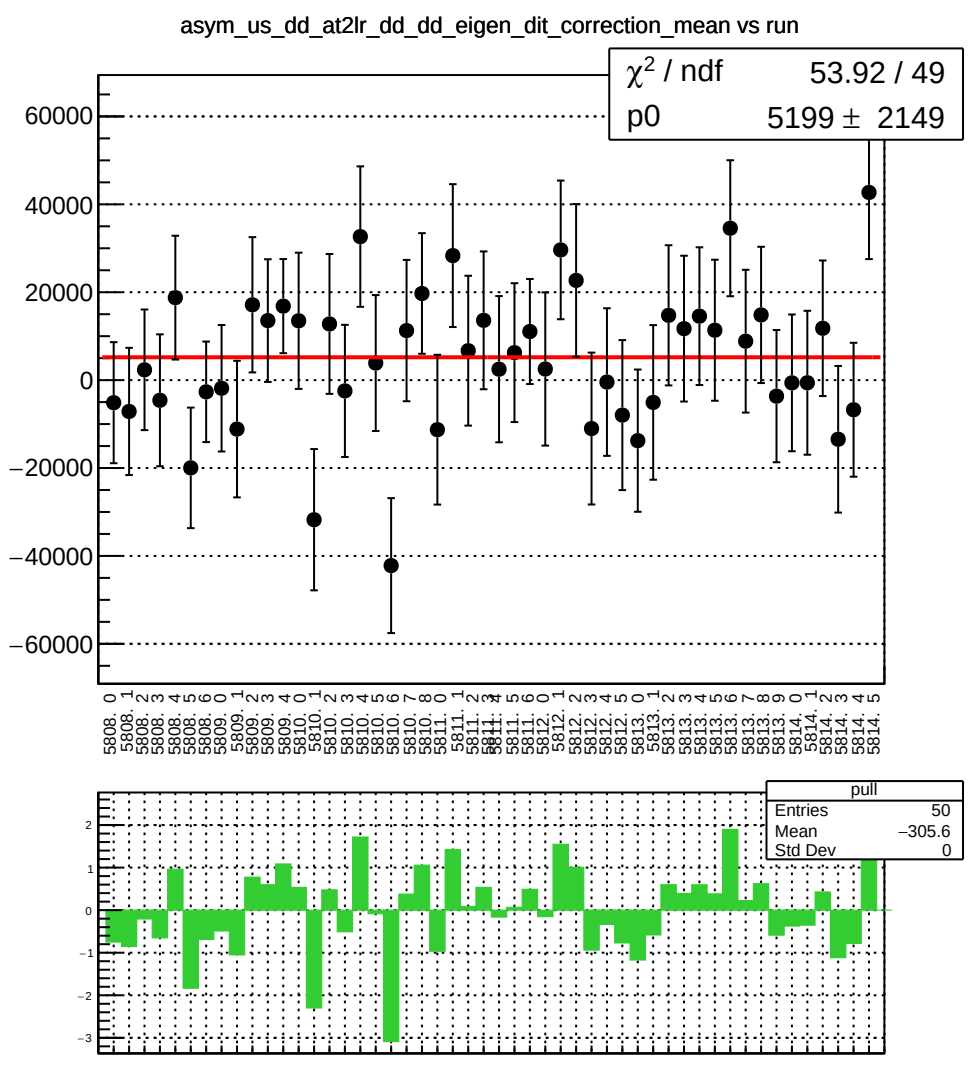
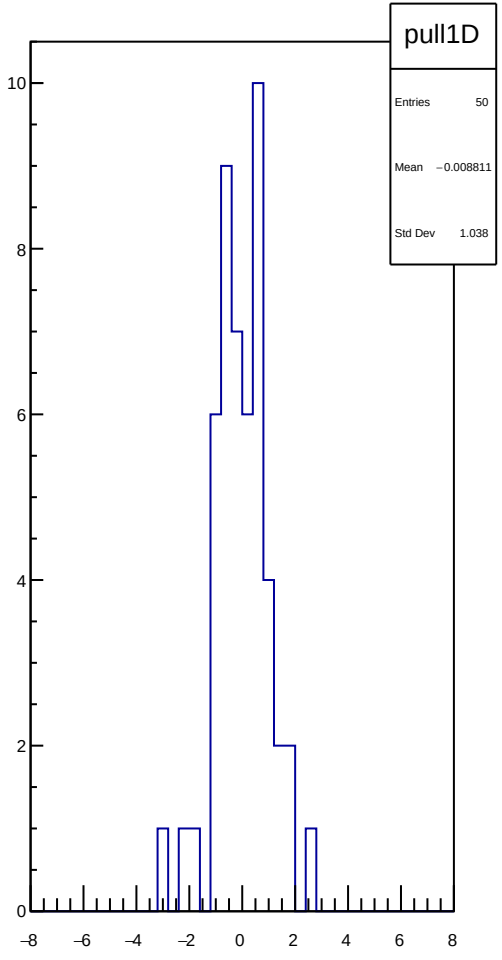
5814. 2
5814. 3
5814. 4
5814. 5

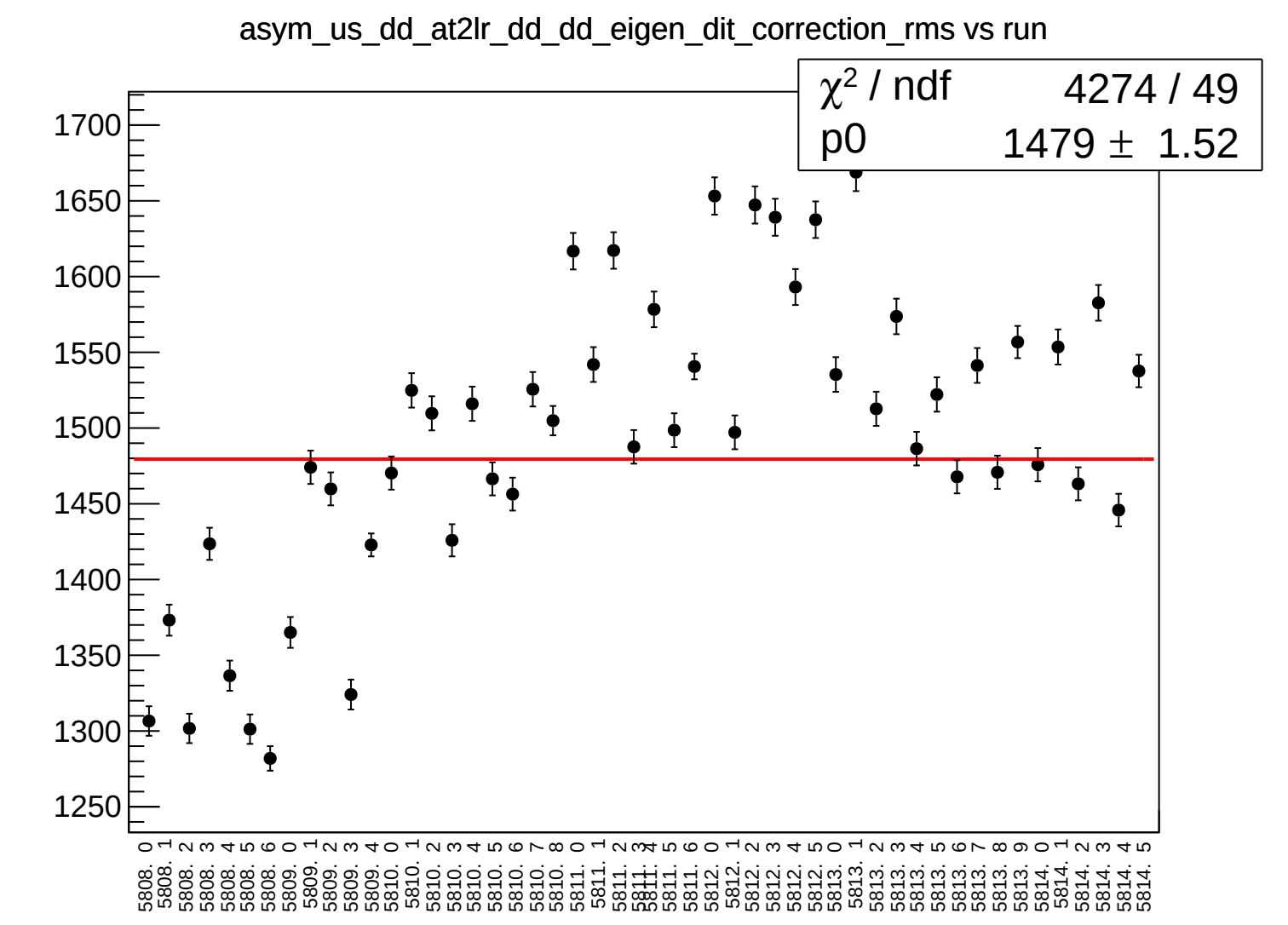

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 60.03 / 49
p0 3848 ± 2110
60000
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −120.9
Std Dev 0
2
1
0
−1
−2

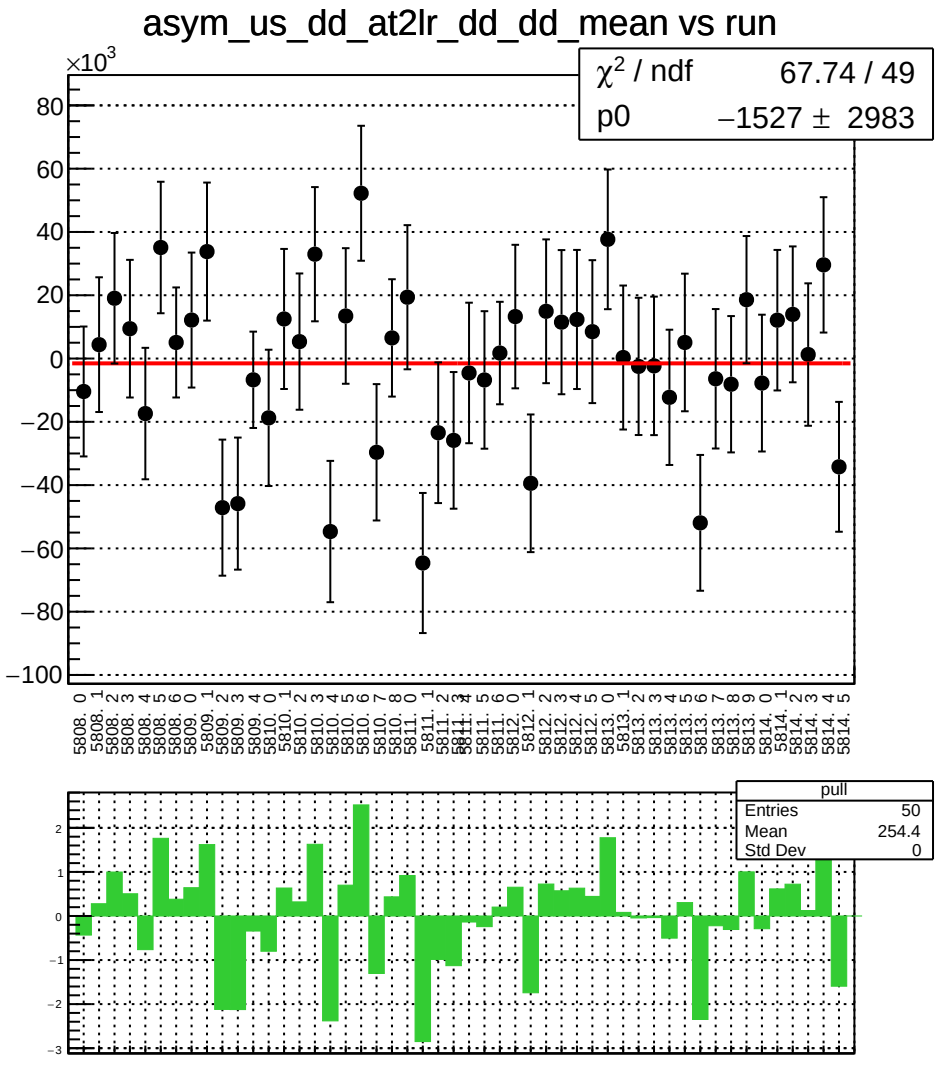

pull1D
Entries 50
Mean −0.01709
Std Dev 1.096
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

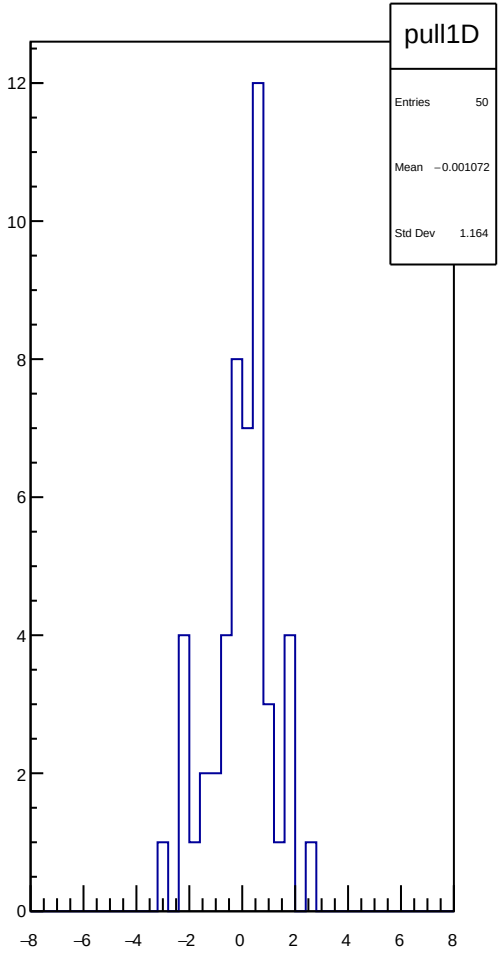

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 51.03 / 49
p0 1456 ± 1.492
1490
1480
1470
1460
1450
1440
1430
1420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

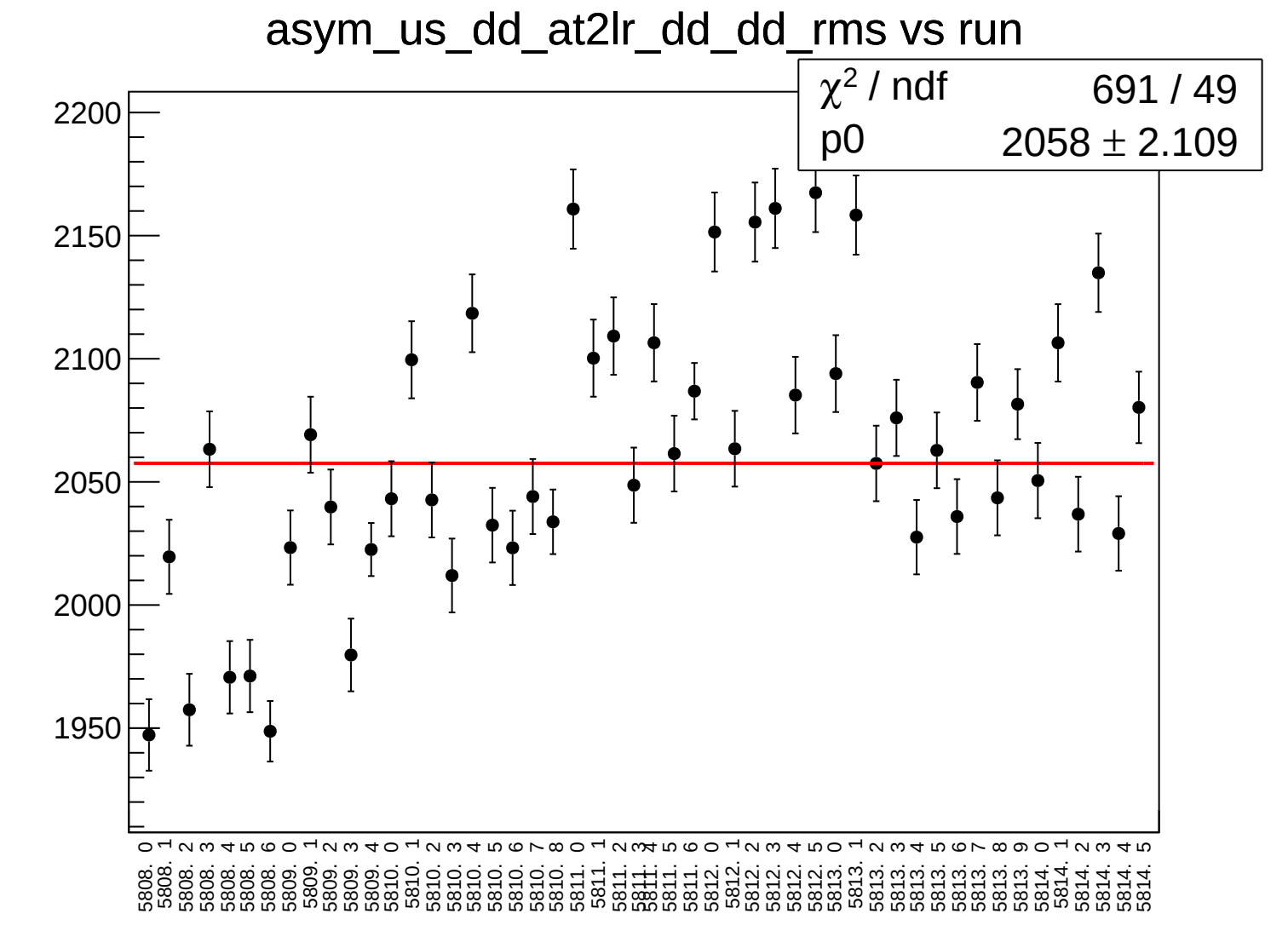

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 53.92 / 49
p0 5199 ± 2149
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −305.6
Std Dev 0
2
1
0
−1
−2
−3

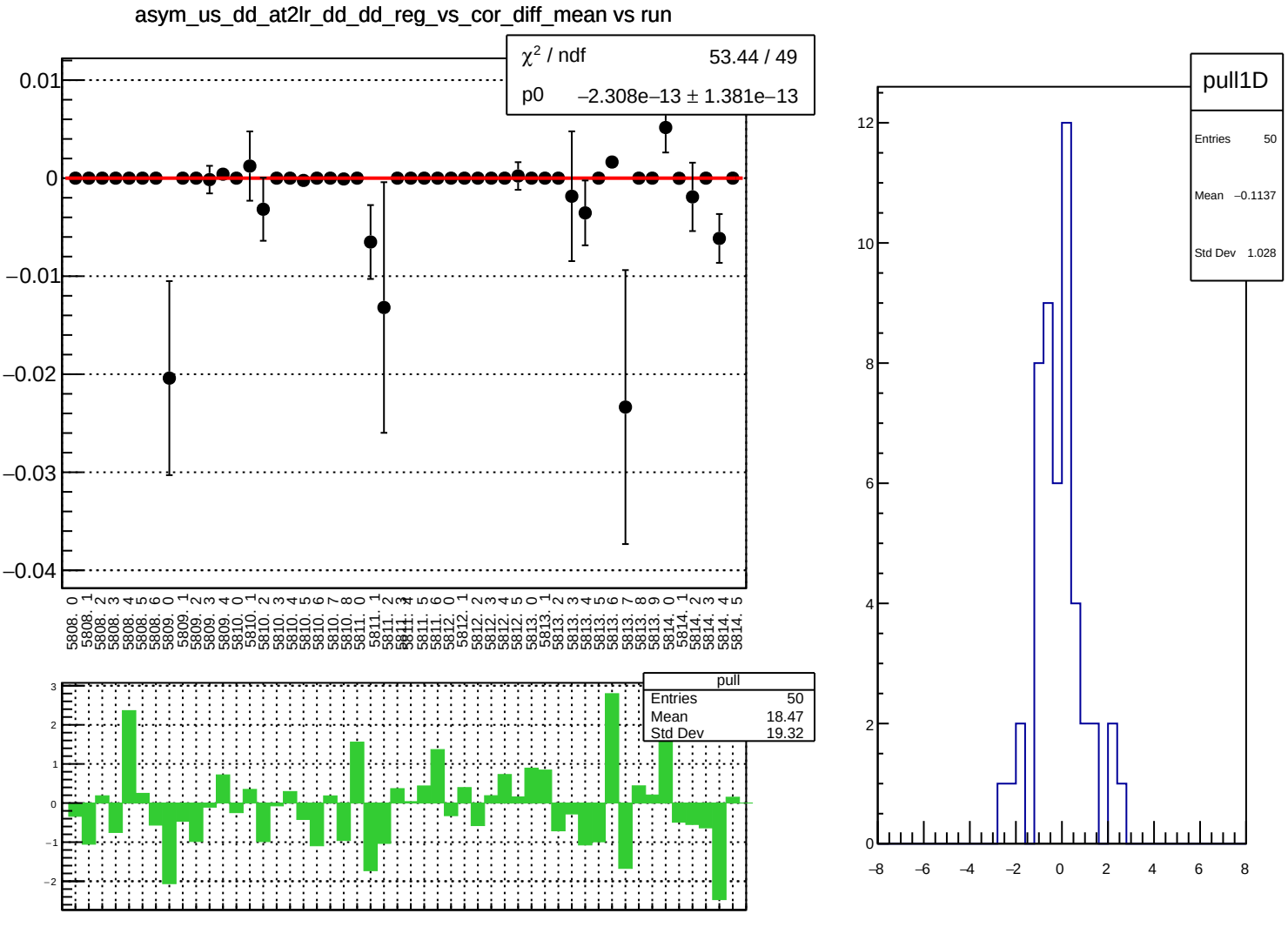

pull1D
Entries 50
Mean −0.008811
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

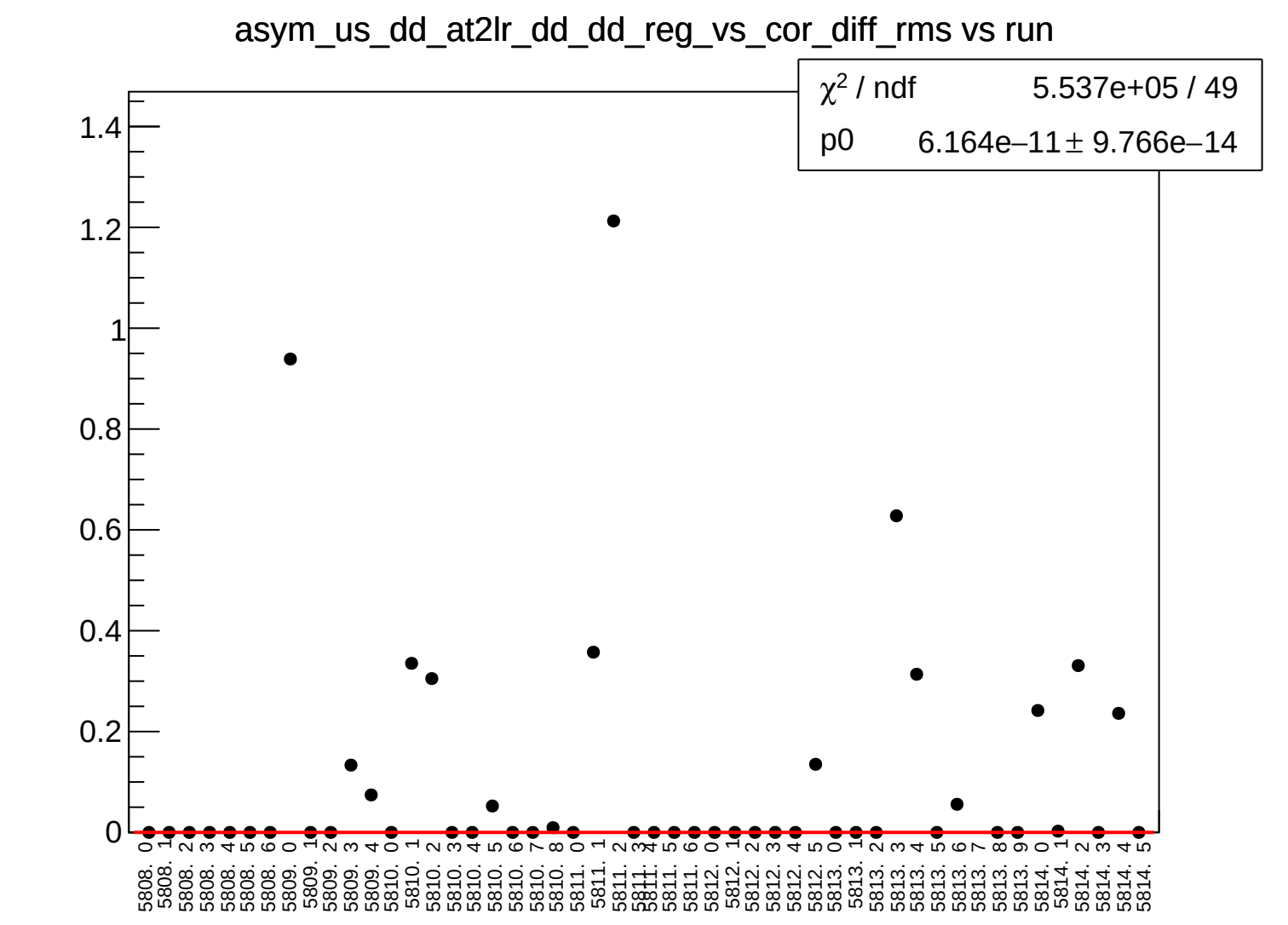

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 4274 / 49
p0 1479 ± 1.52
1700
1650
1600
1550
1500
1450
1400
1350
1300
1250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

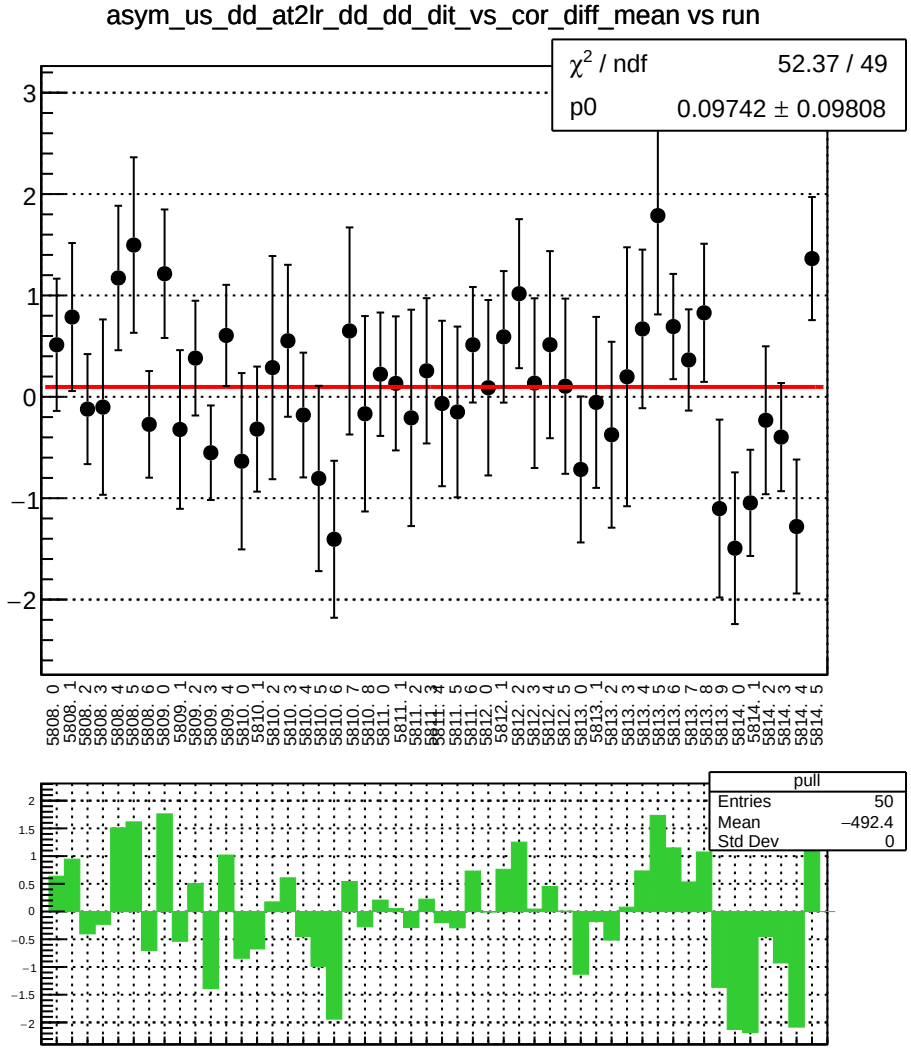

asym_us_dd_at2lr_dd_dd_mean vs run
×10^3
χ² / ndf 67.74 / 49
p0 −1527 ± 2983
pull
Entries 50
Mean 254.4
Std Dev 0

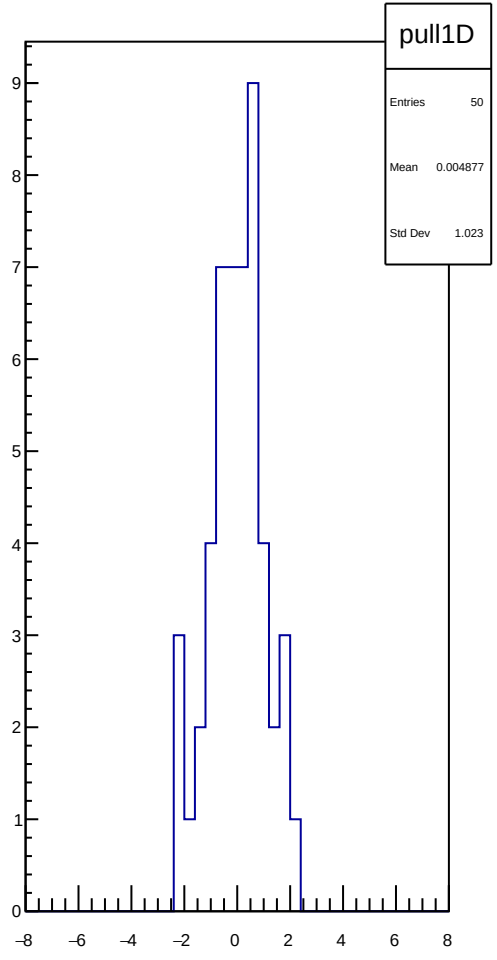

pull1D
Entries 50
Mean −0.001072
Std Dev 1.164

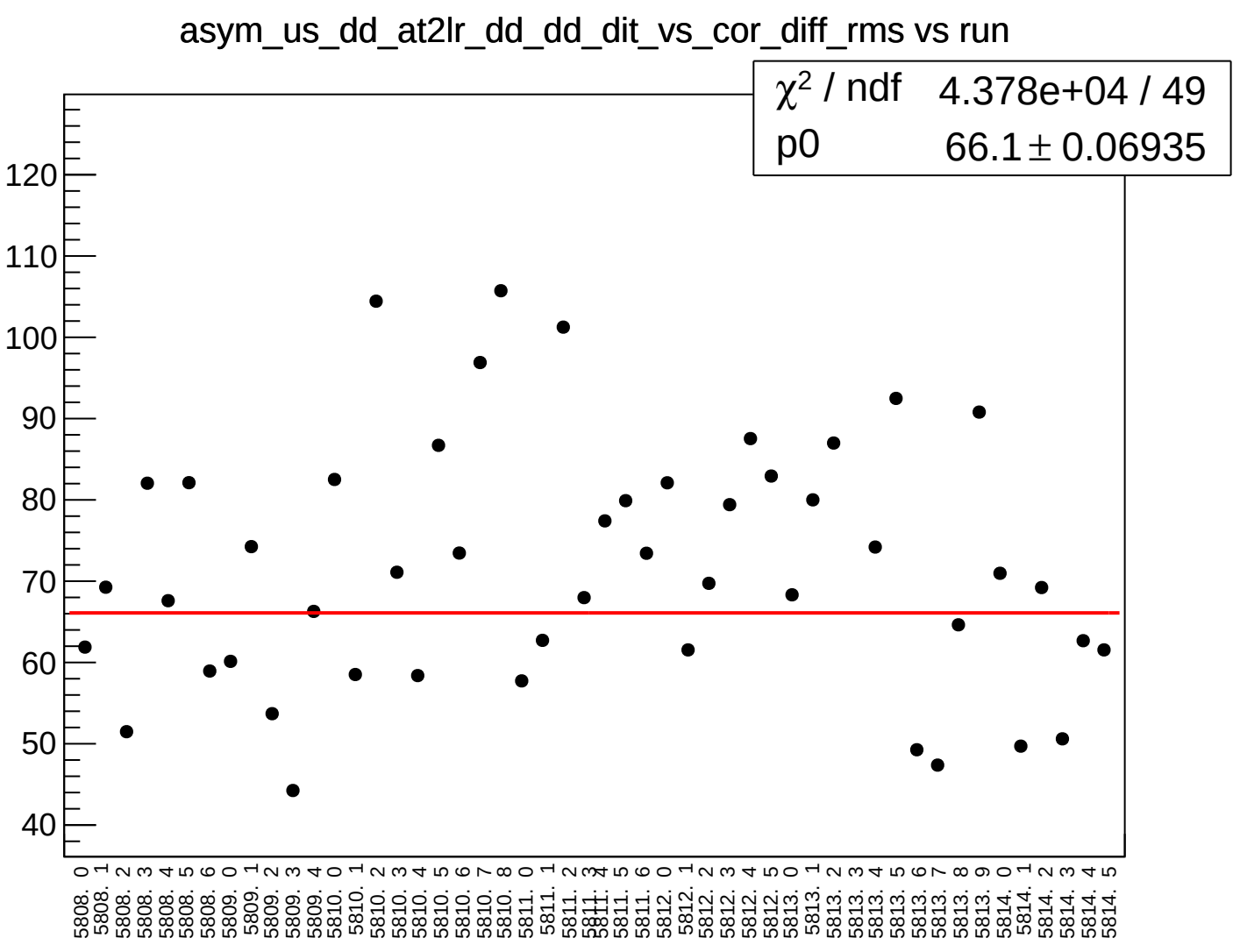

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 691 / 49
p0 2058 ± 2.109
2200
2150
2100
2050
2000
1950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

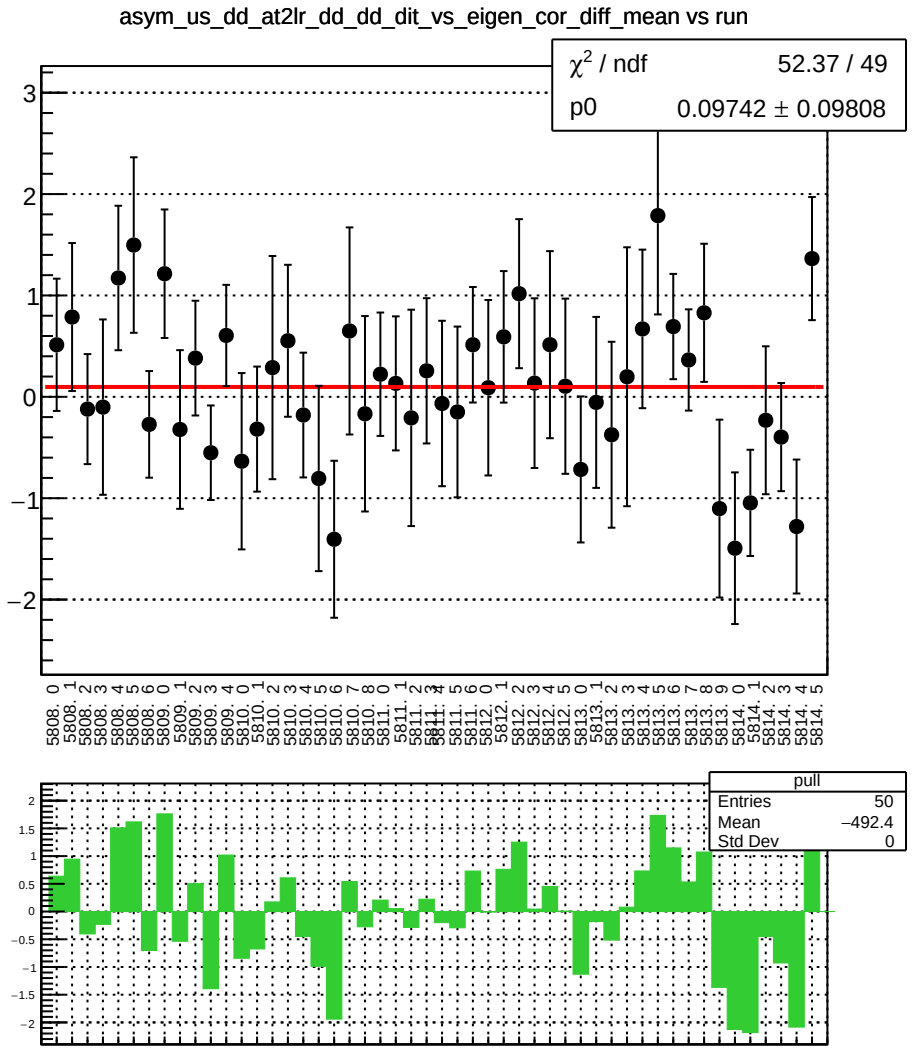

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 53.44 / 49
p0 −2.308e−13 ± 1.381e−13
0.01
0
−0.01
−0.02
−0.03
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 18.47
Std Dev 19.32
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.1137
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

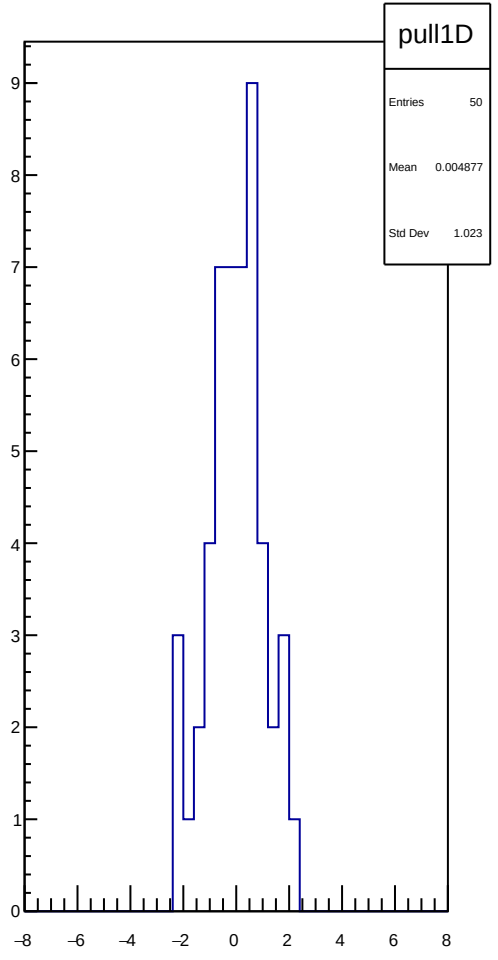

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.537e+05 / 49
p0 6.164e−11 ± 9.766e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

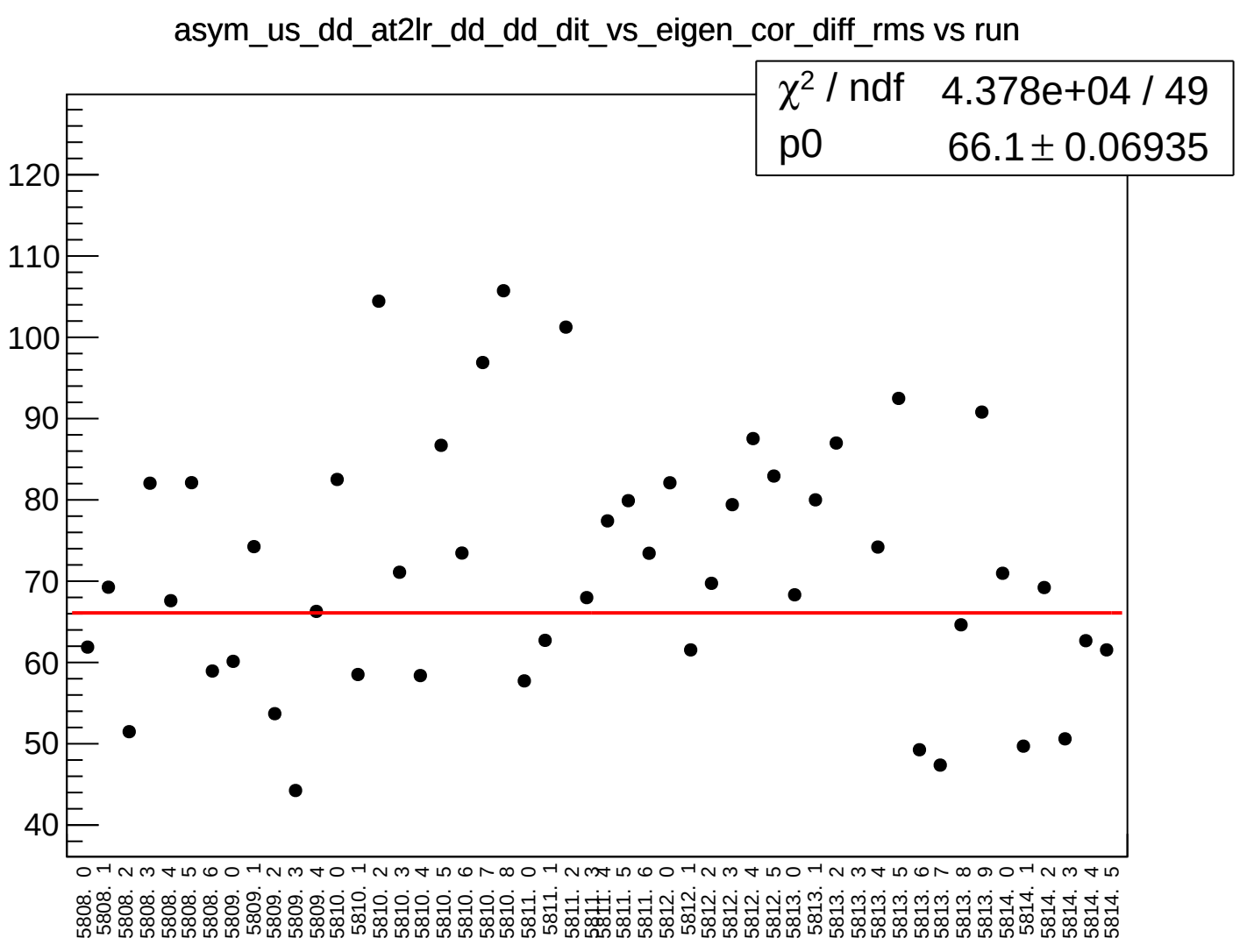

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 49
p0 0.09742 ± 0.09808
pull
Entries 50
Mean −492.4
Std Dev 0

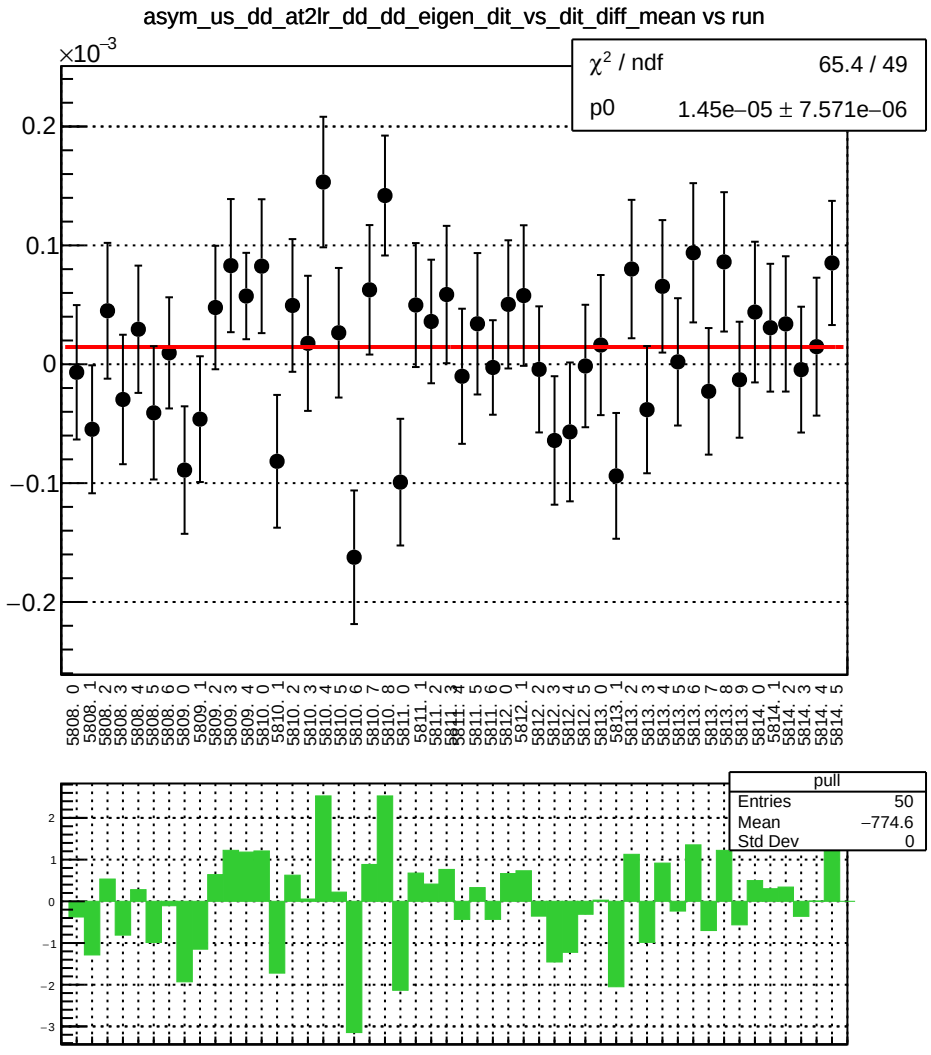

pull1D
Entries 50
Mean 0.004877
Std Dev 1.023

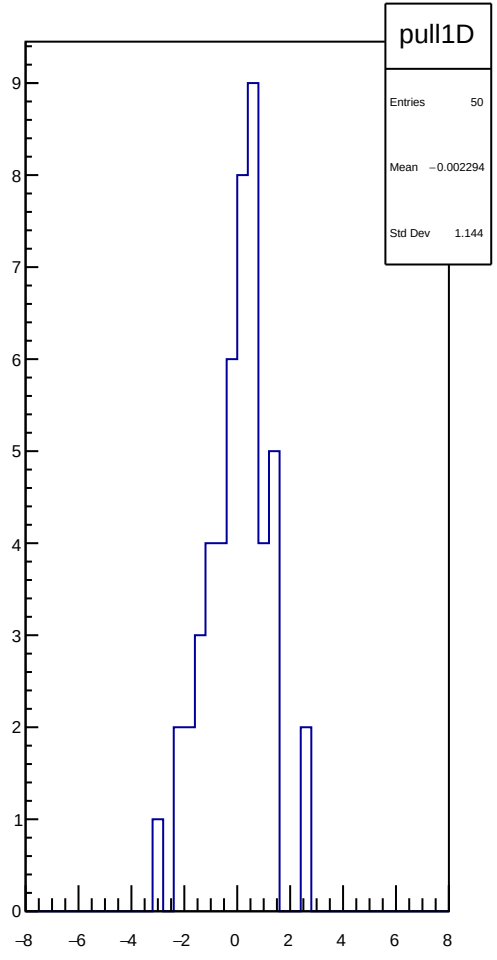

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.378e+04 / 49
p0 66.1 ± 0.06935
120
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

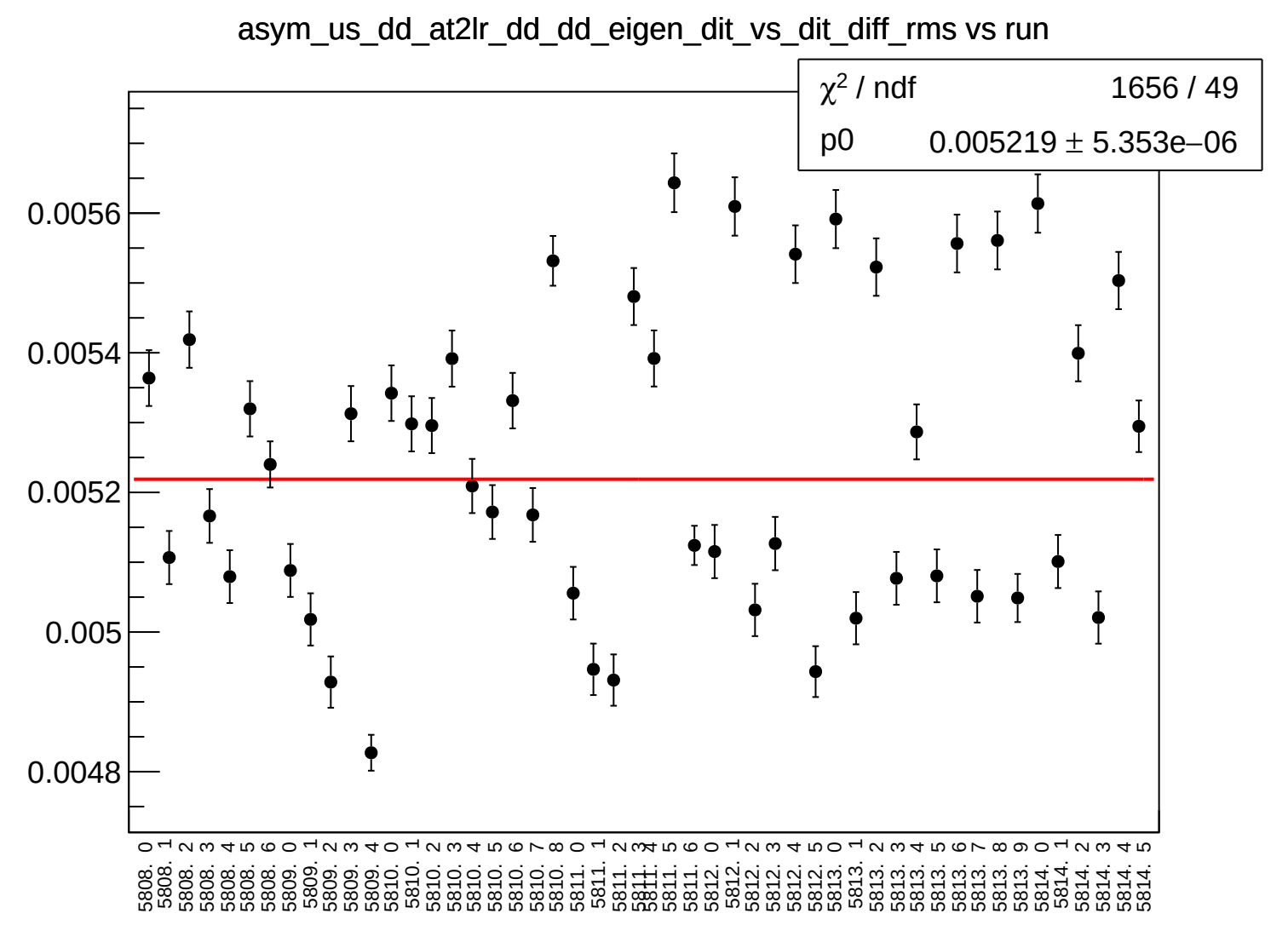

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 49
p0 0.09742 ± 0.09808
pull
Entries 50
Mean −492.4
Std Dev 0

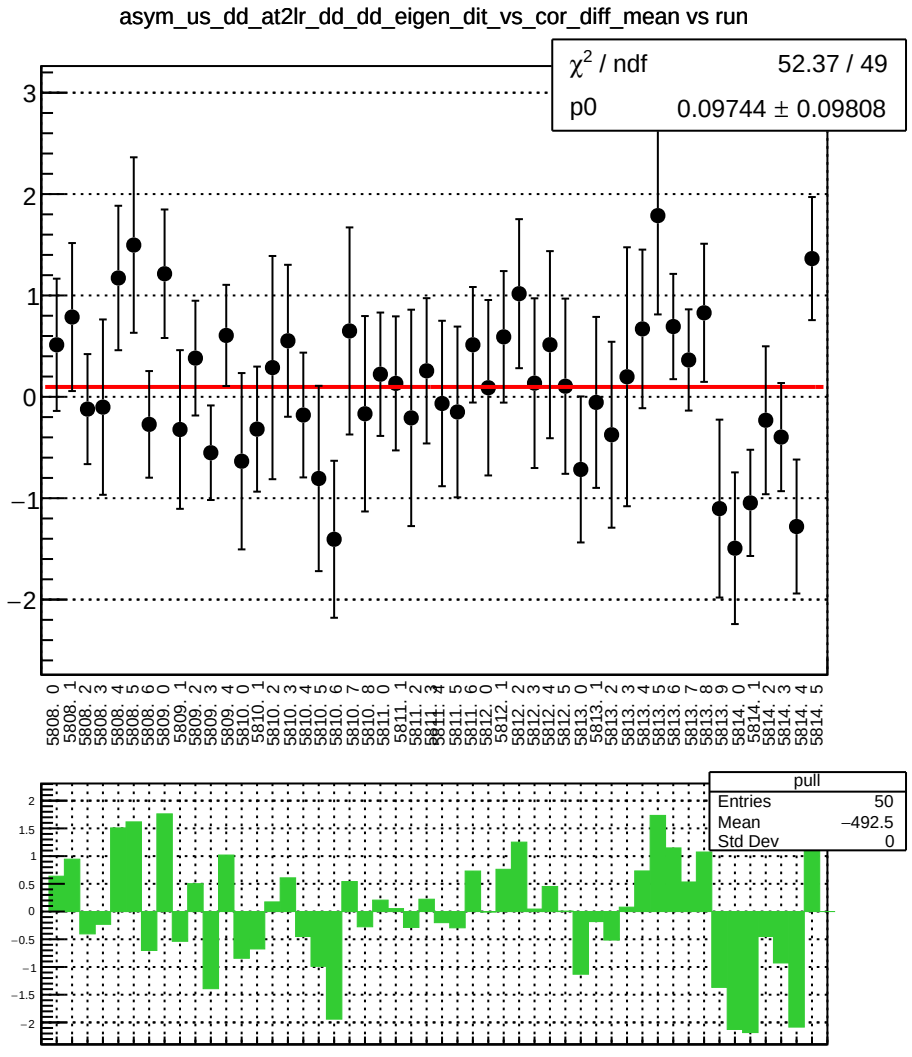

pull1D
Entries 50
Mean 0.004877
Std Dev 1.023

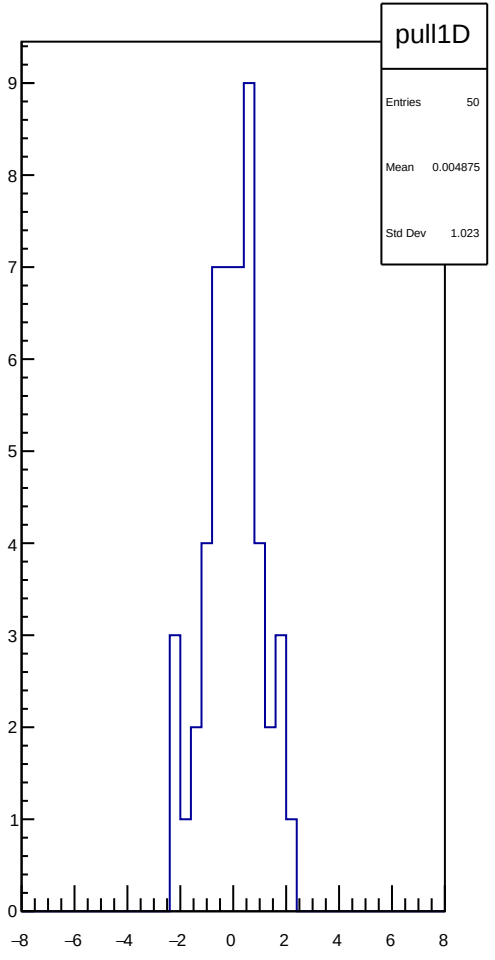

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.378e+04 / 49
p0 66.1 ± 0.06935
120
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

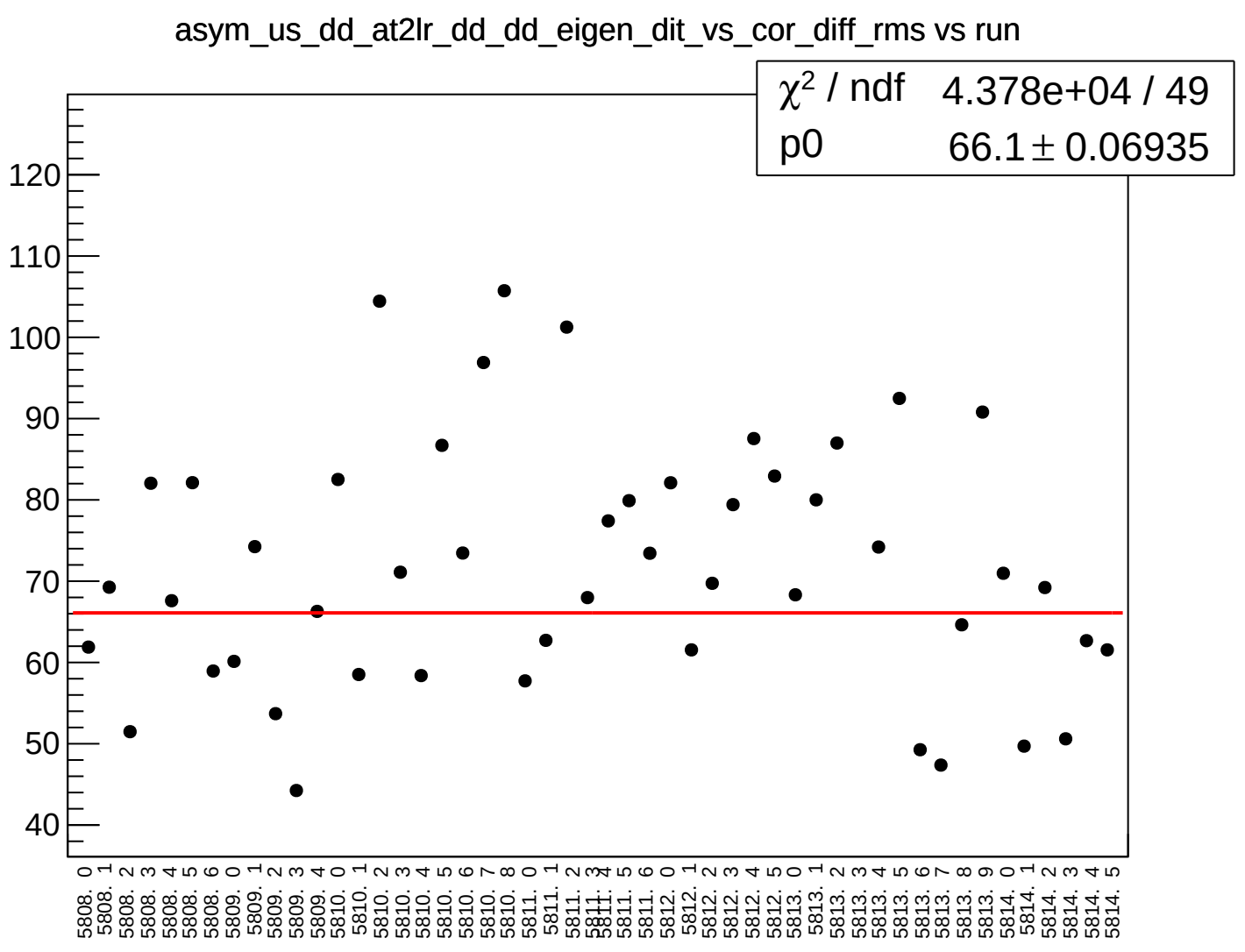

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 65.4 / 49
p0 1.45e−05 ± 7.571e−06
0.2
0.1
0
−0.1
−0.2
pull
Entries 50
Mean −774.6
Std Dev 0


pull1D
Entries 50
Mean −0.002294
Std Dev 1.144


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1656 / 49
p0 0.005219 ± 5.353e−06
0.0056
0.0054
0.0052
0.005
0.0048
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.37 / 49
p0 0.09744 ± 0.09808
pull
Entries 50
Mean −492.5
Std Dev 0


pull1D
Entries 50
Mean 0.004875
Std Dev 1.023


asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.378e+04 / 49
p0 66.1 ± 0.06935
120
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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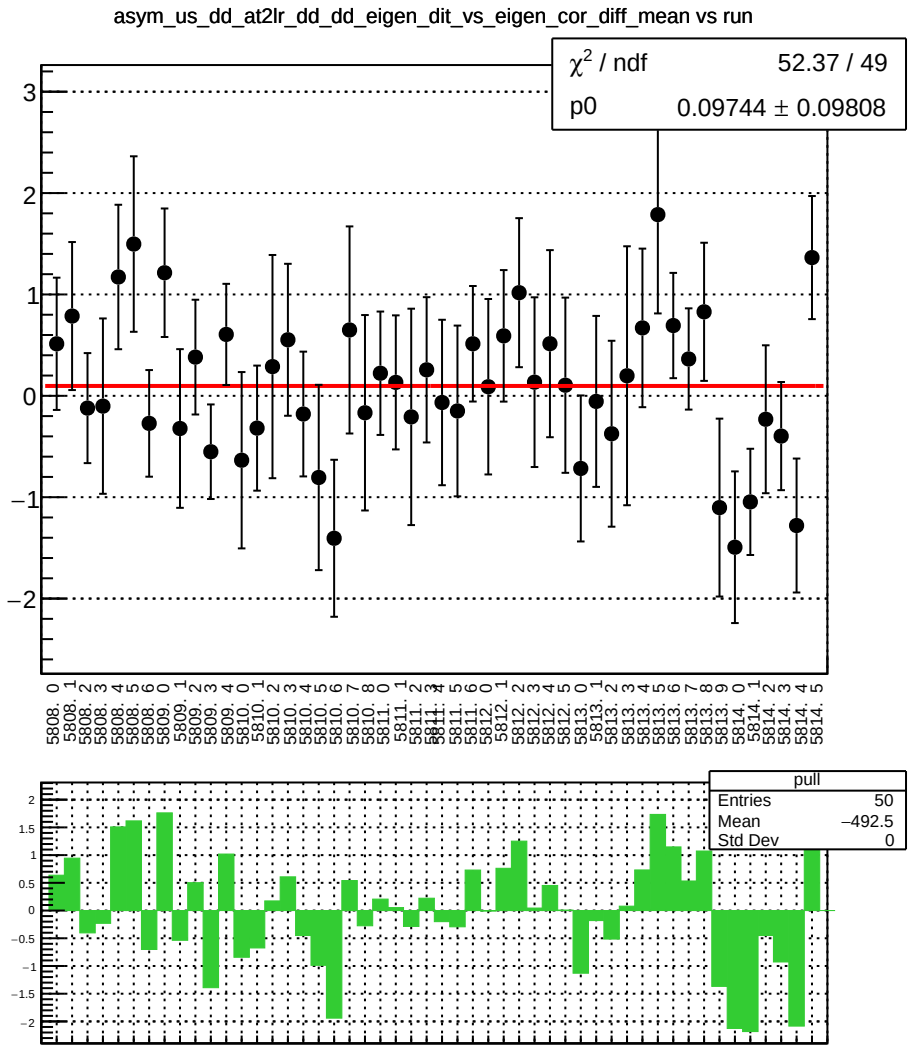
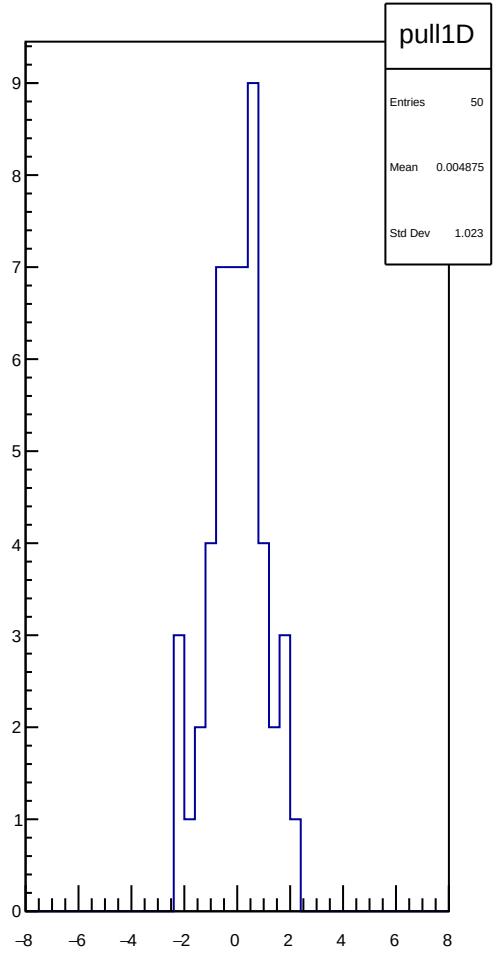
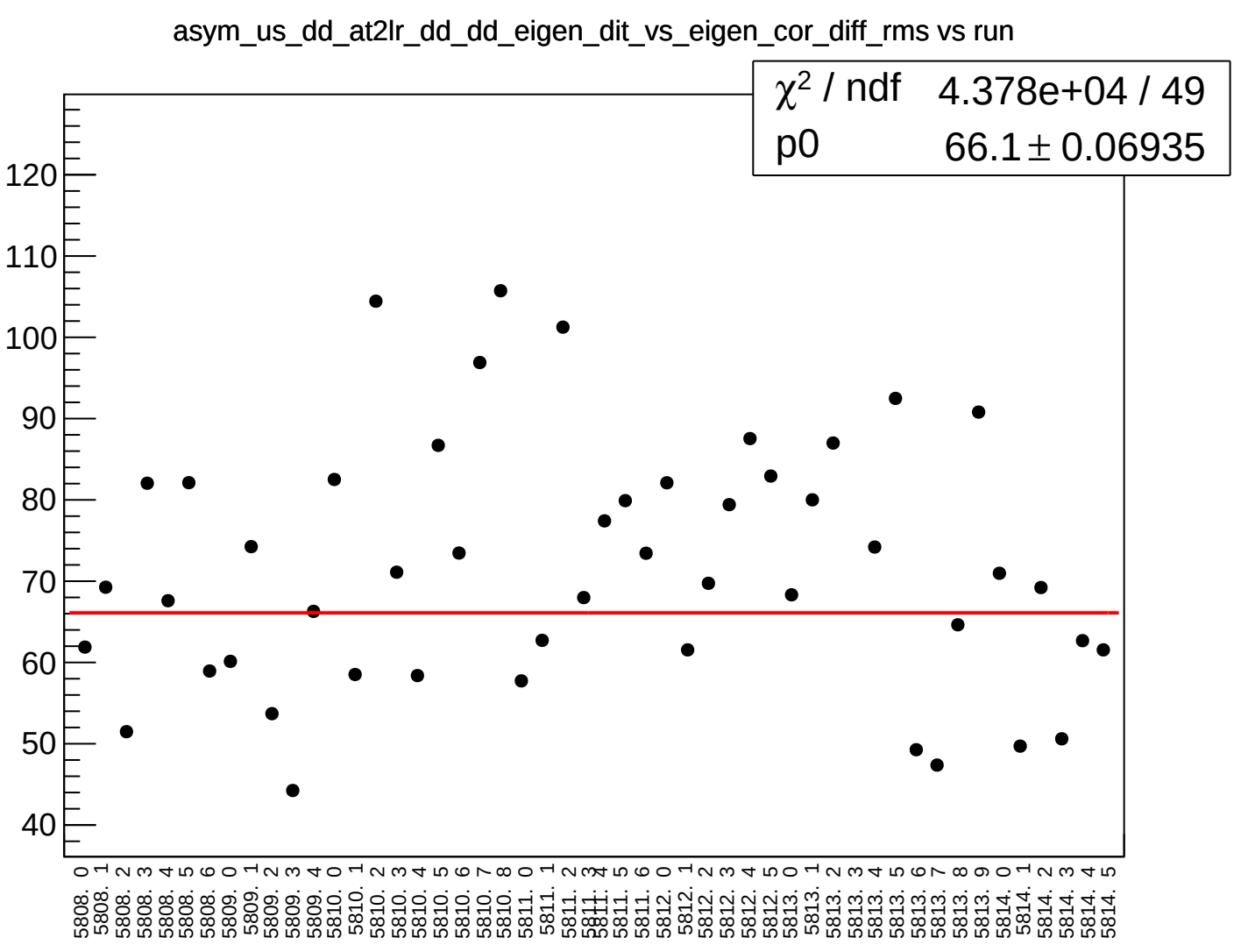
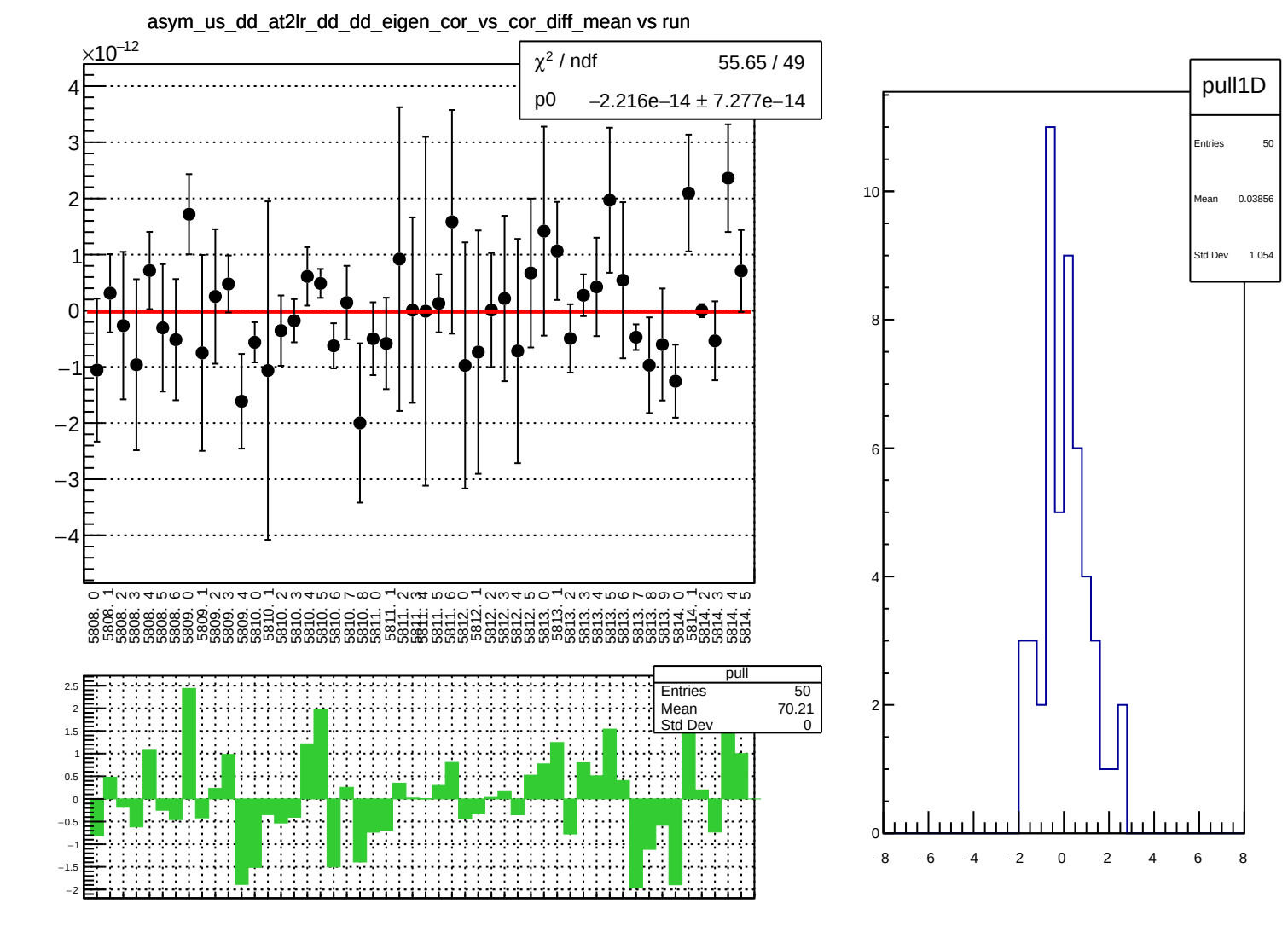
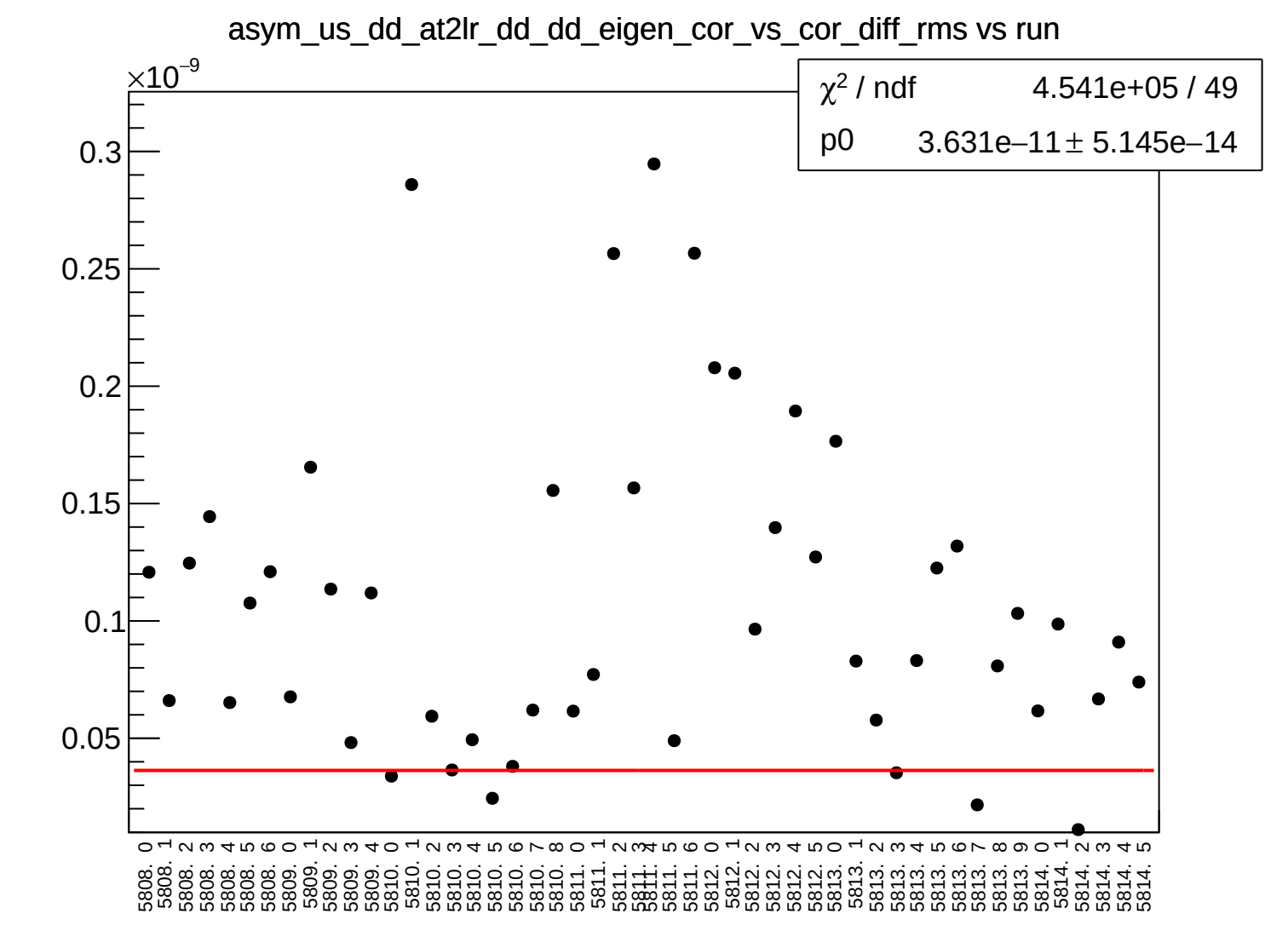
5814. 5

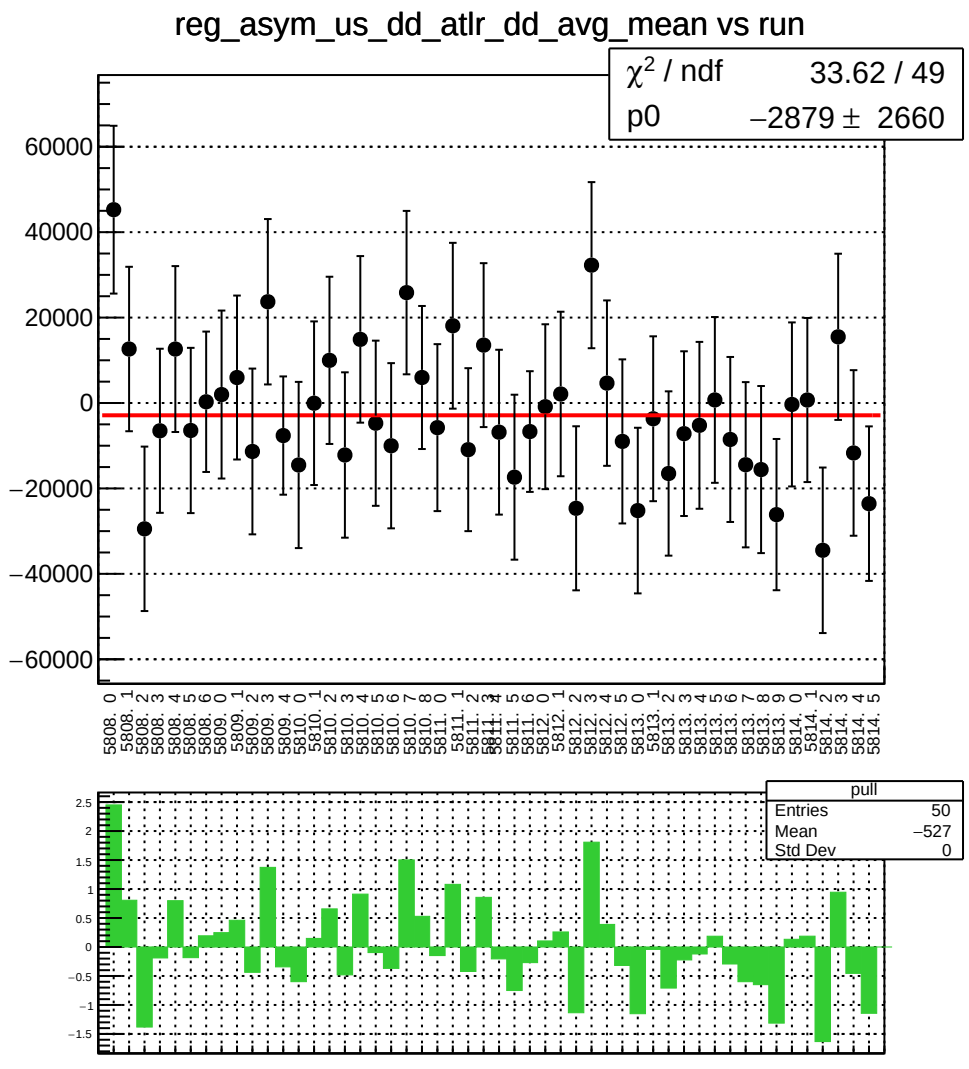

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.37 / 49
p0 0.09744 ± 0.09808
pull
Entries 50
Mean −492.5
Std Dev 0

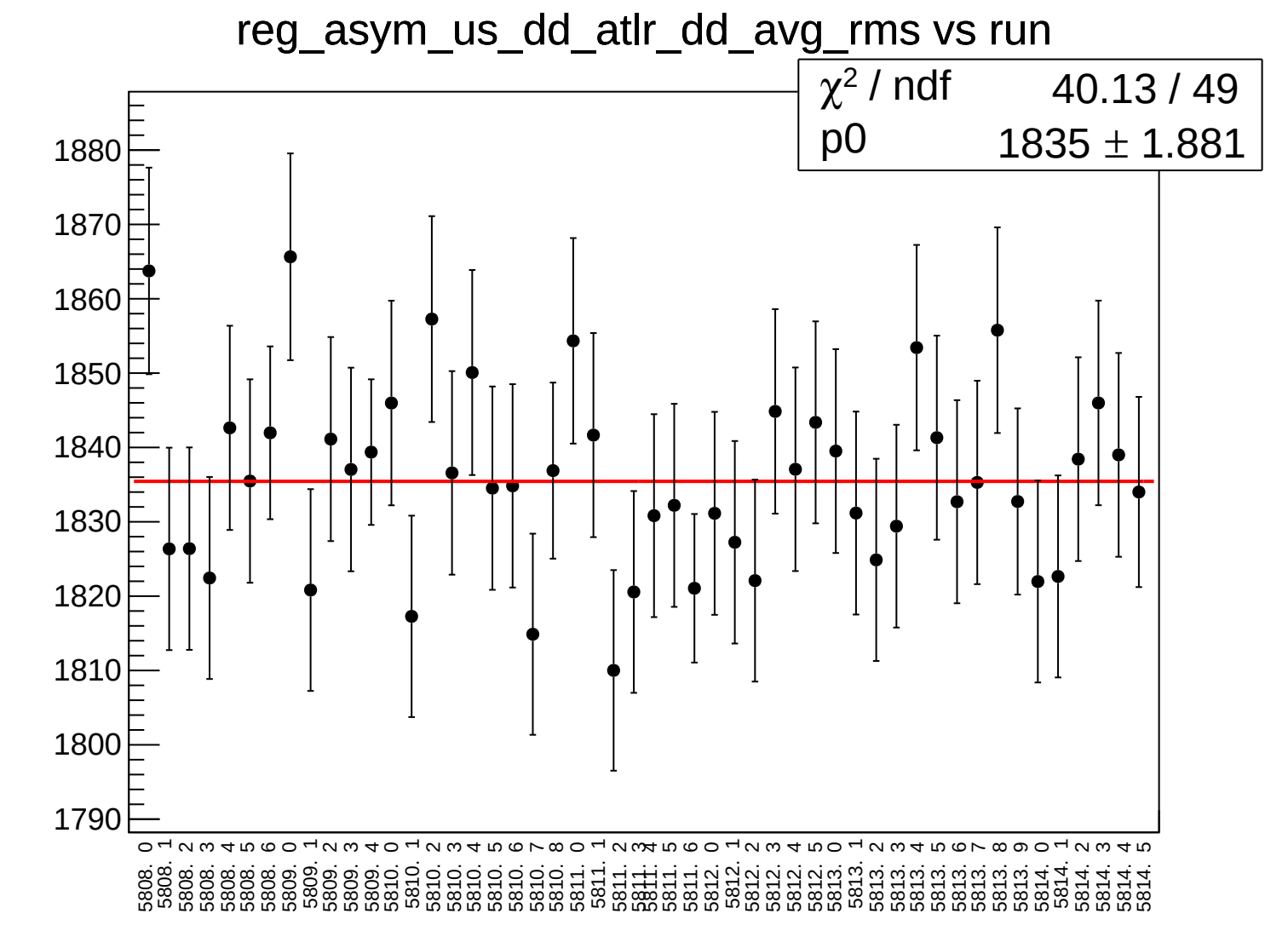

pull1D
Entries 50
Mean 0.004875
Std Dev 1.023

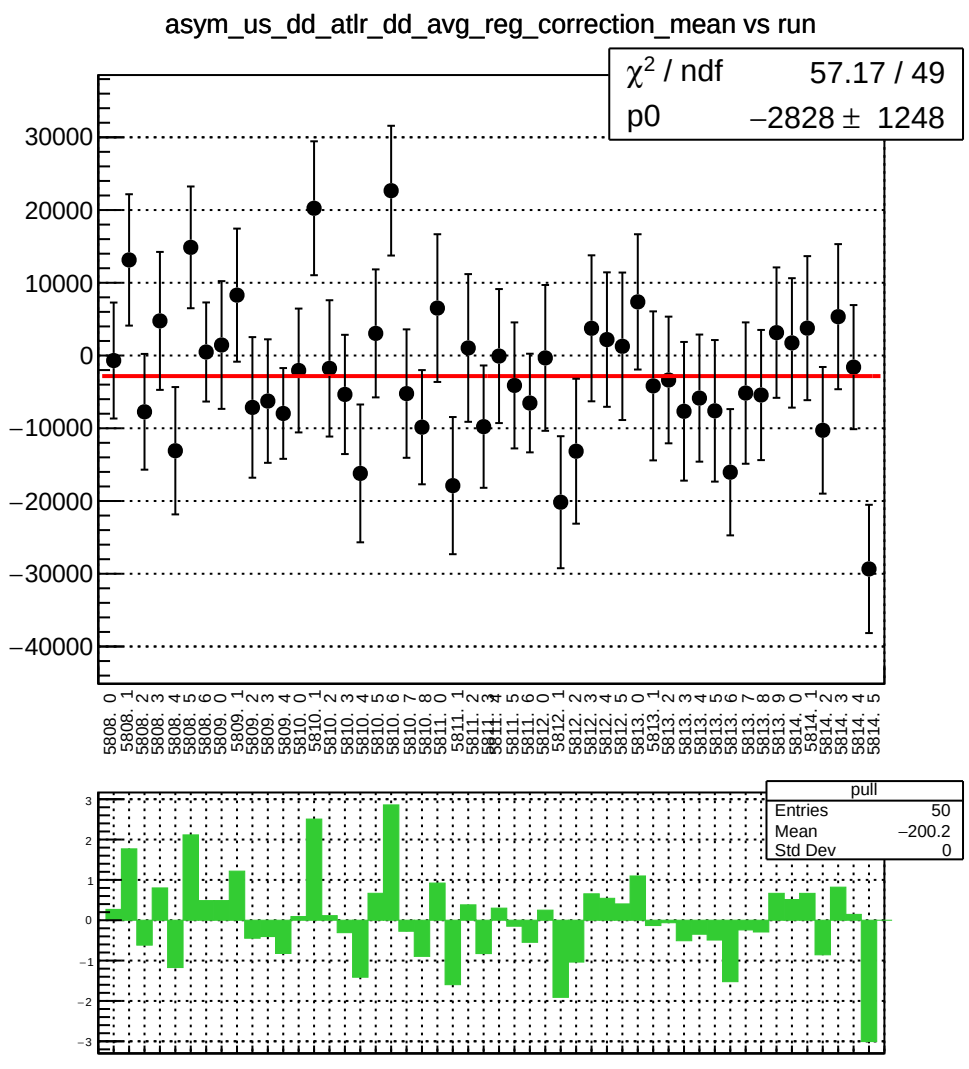

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.378e+04 / 49
p0 66.1 ± 0.06935
120
110
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

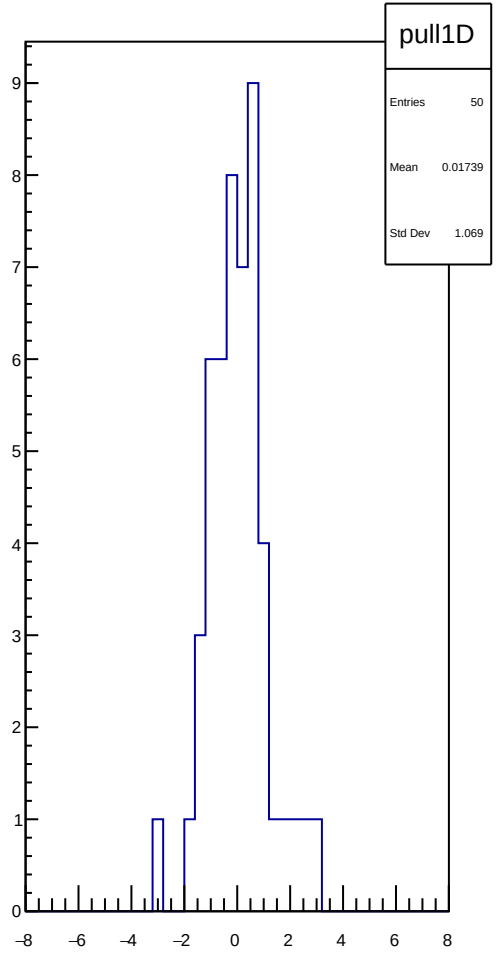

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.65 / 49
p0 −2.216e−14 ± 7.277e−14
pull
Entries 50
Mean 70.21
Std Dev 0
pull1D
Entries 50
Mean 0.03856
Std Dev 1.054

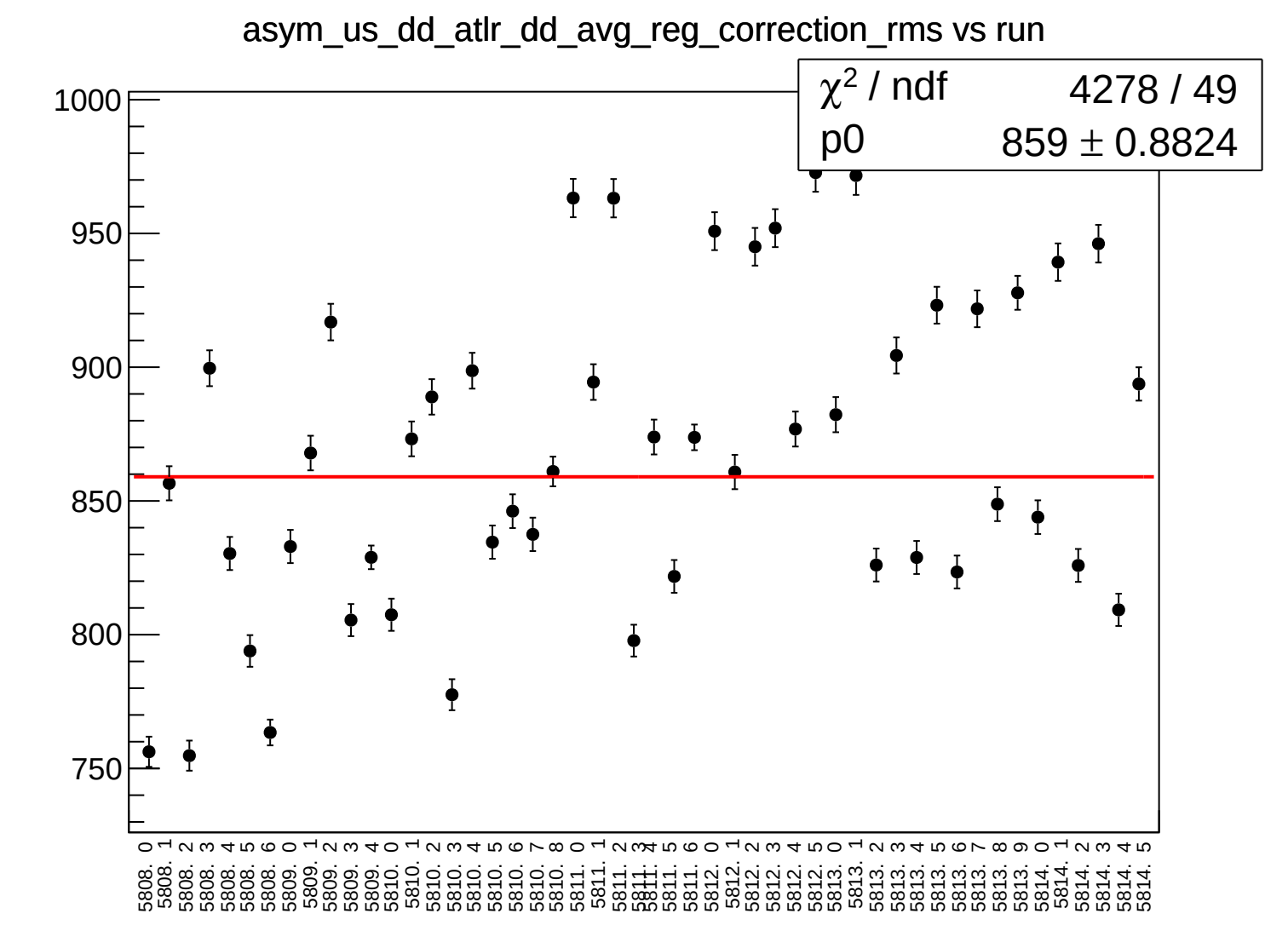

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.541e+05 / 49
p0 3.631e−11 ± 5.145e−14
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

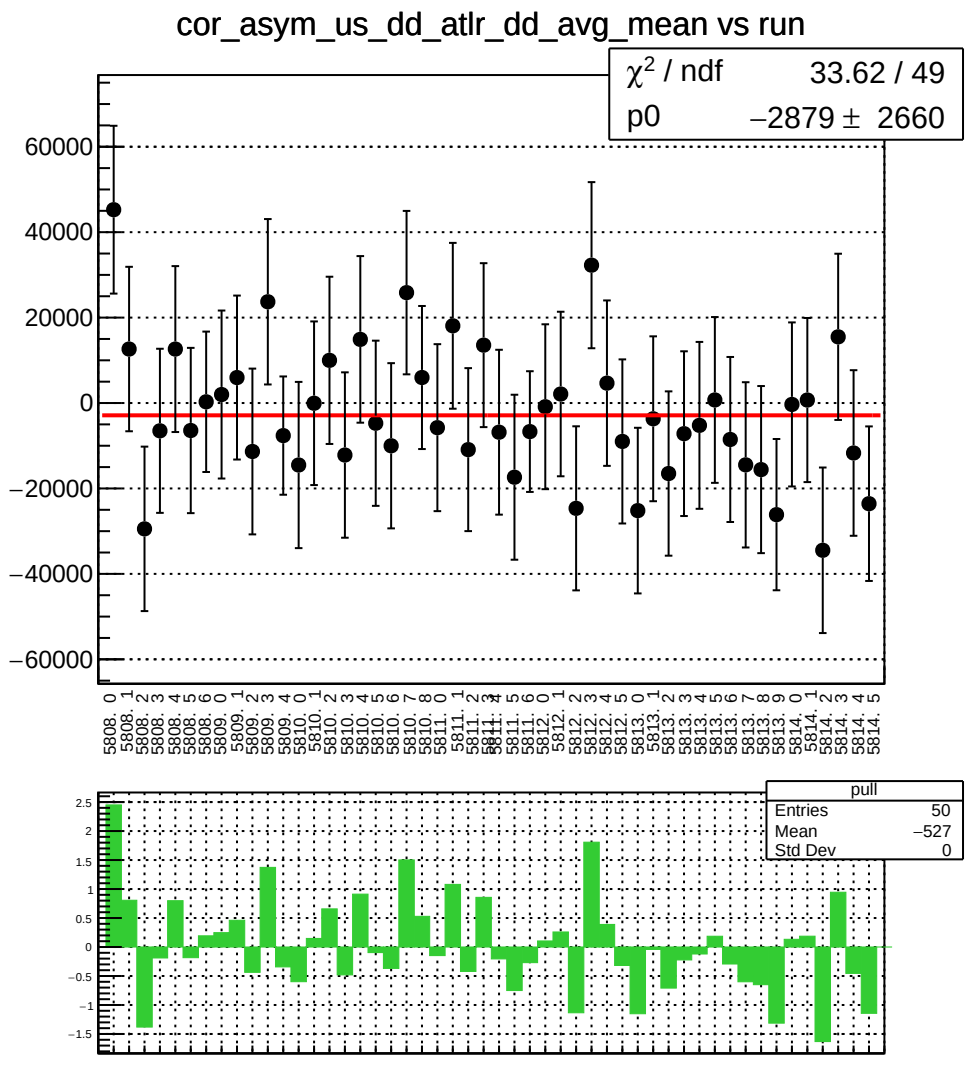

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 33.62 / 49
p0 −2879 ± 2660
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −527
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.007484
Std Dev 0.82
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

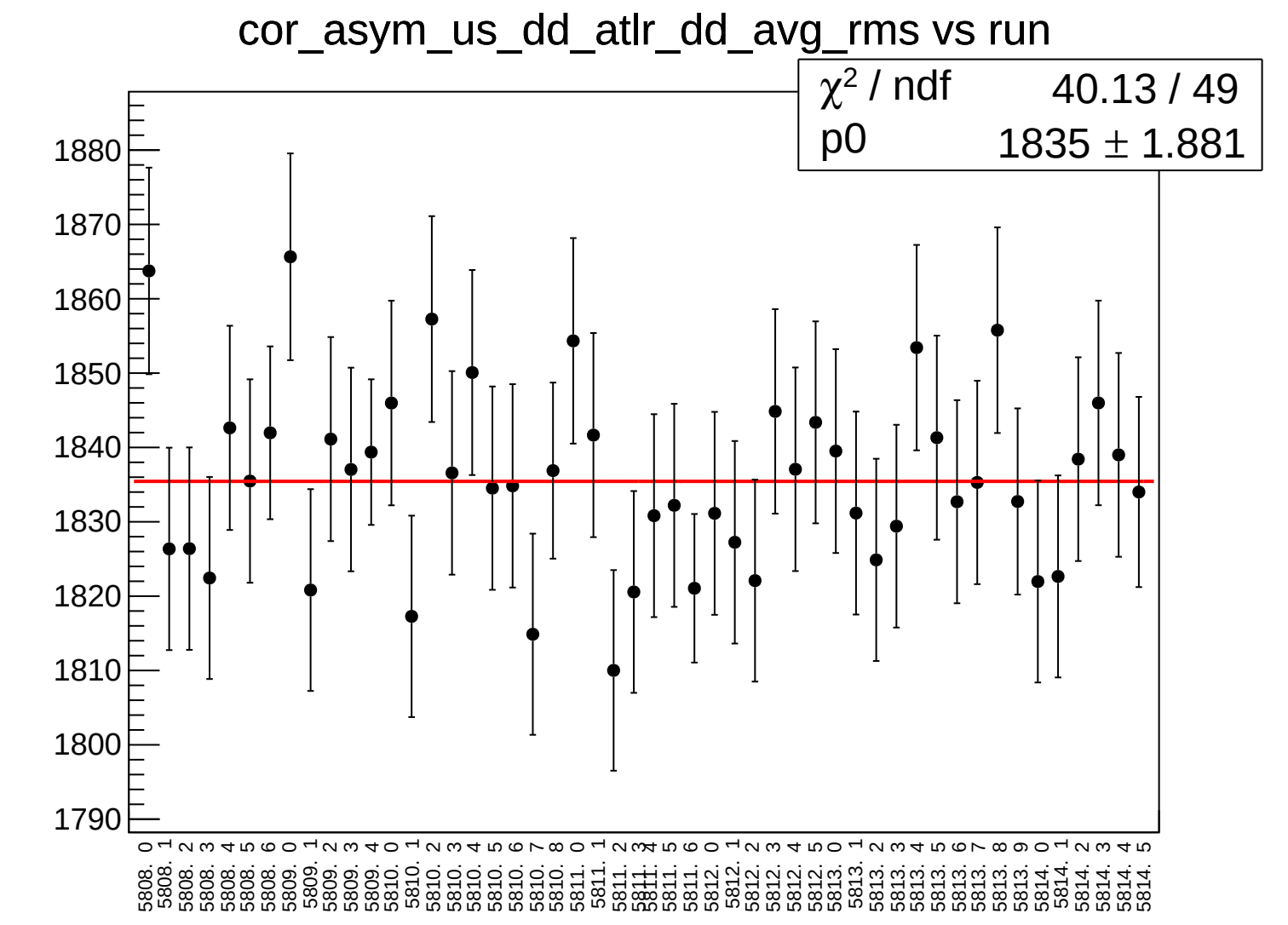

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 40.13 / 49
p0 1835 ± 1.881
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

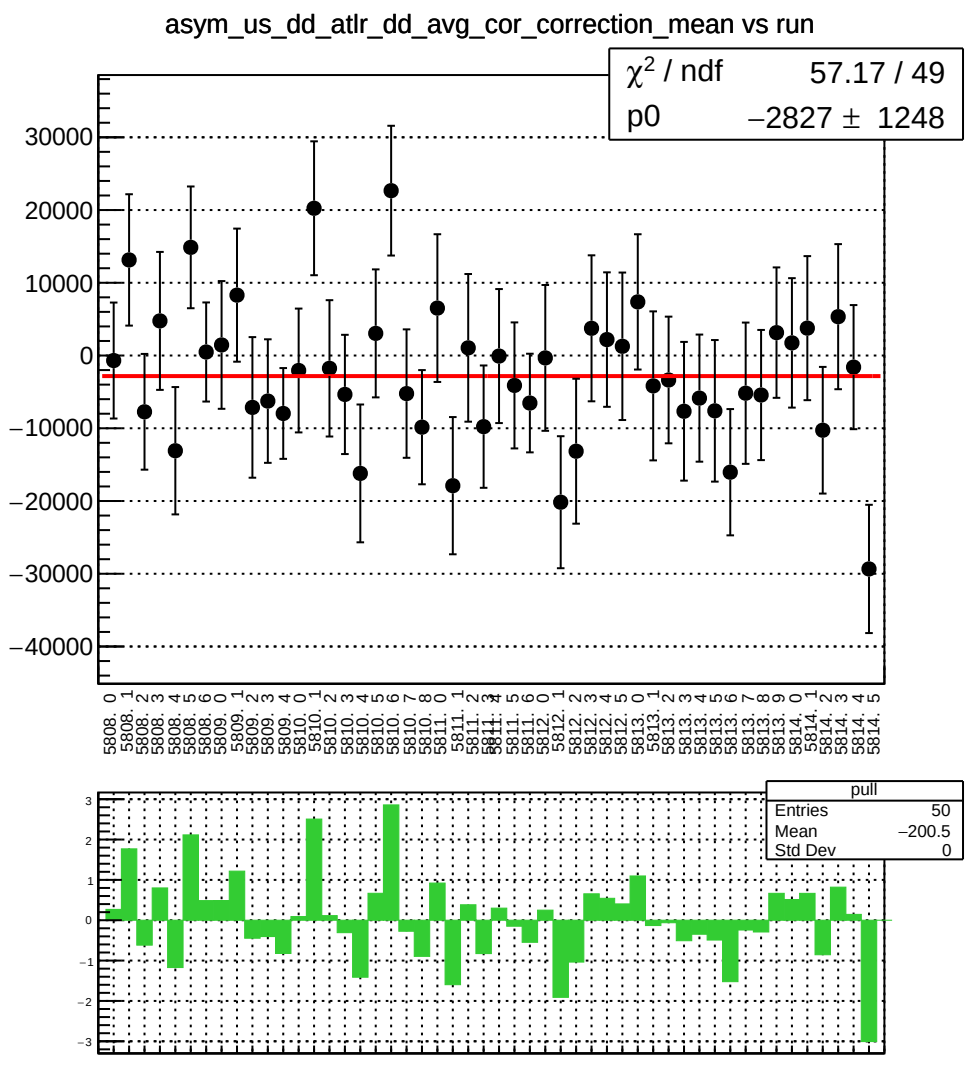

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 57.17 / 49
p0 −2828 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −200.2
Std Dev 0
3
2
1
0
−1
−2
−3

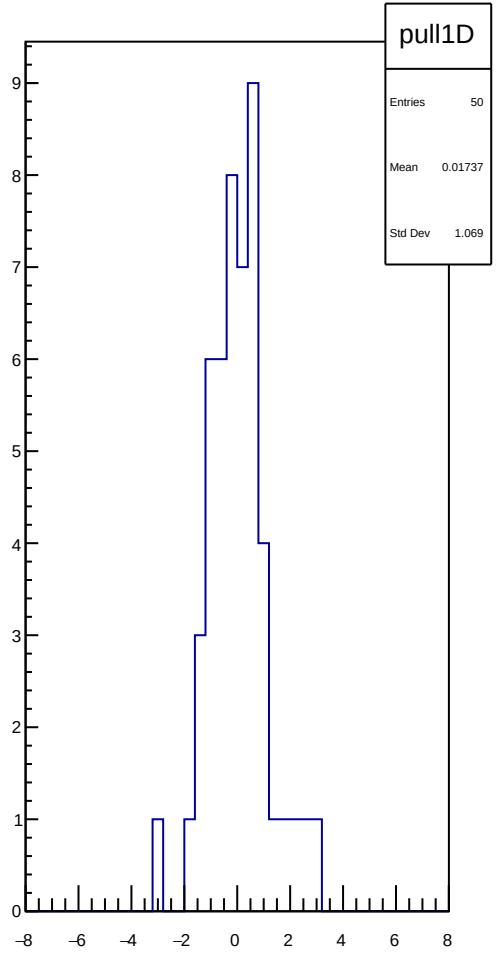

pull1D
Entries 50
Mean 0.01739
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

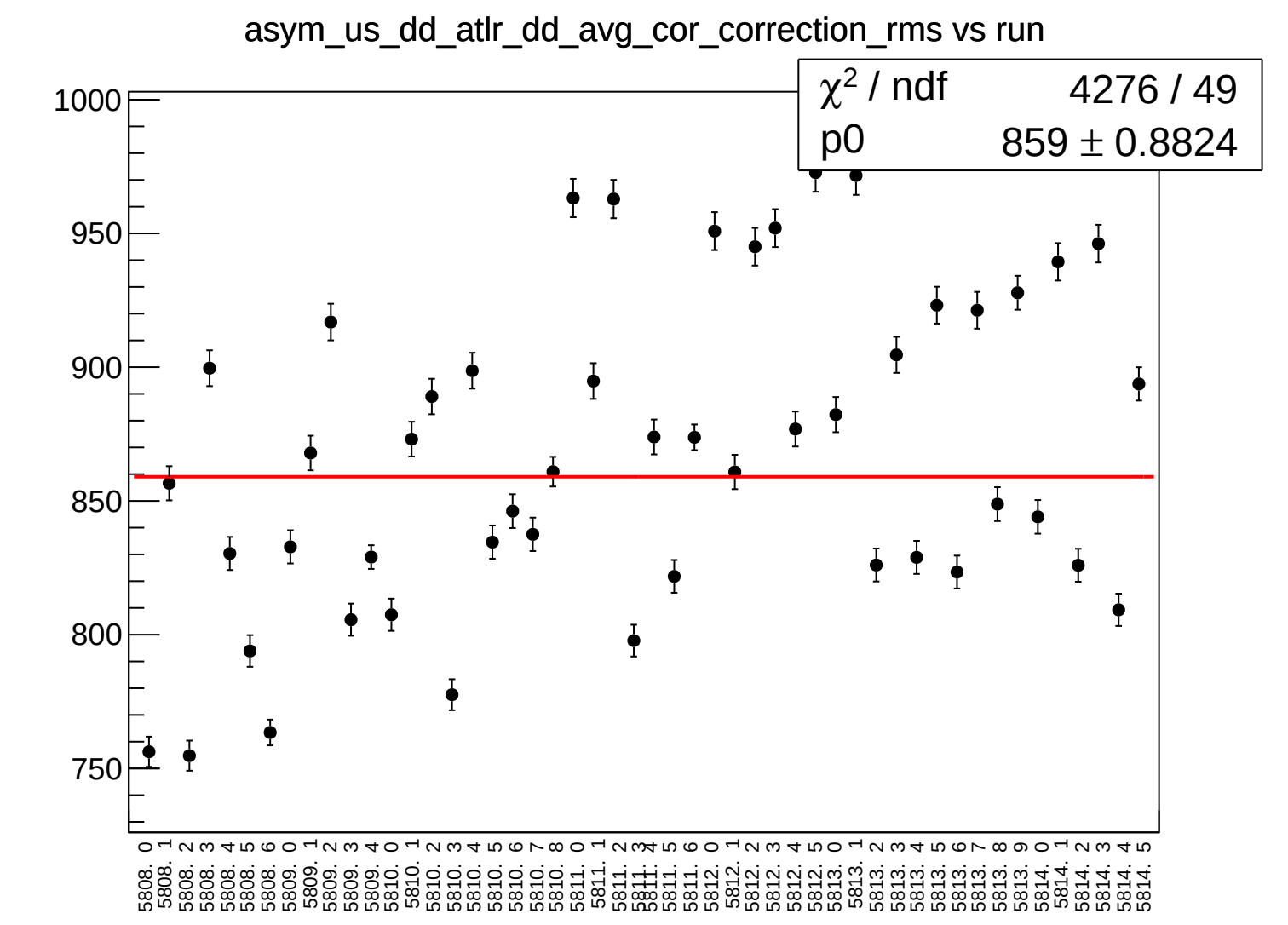

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 4278 / 49
p0 859 ± 0.8824
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

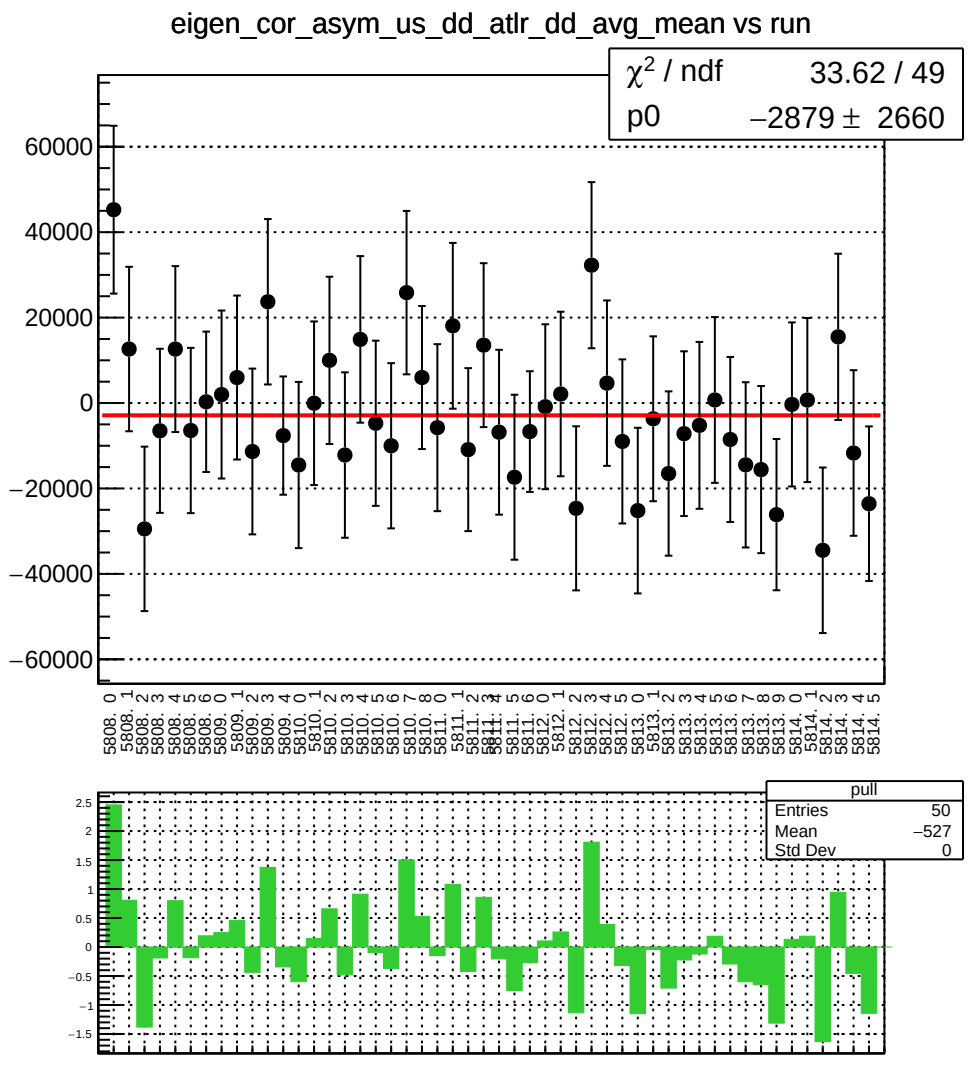

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 33.62 / 49
p0 −2879 ± 2660
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −527
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.007485
Std Dev 0.8199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

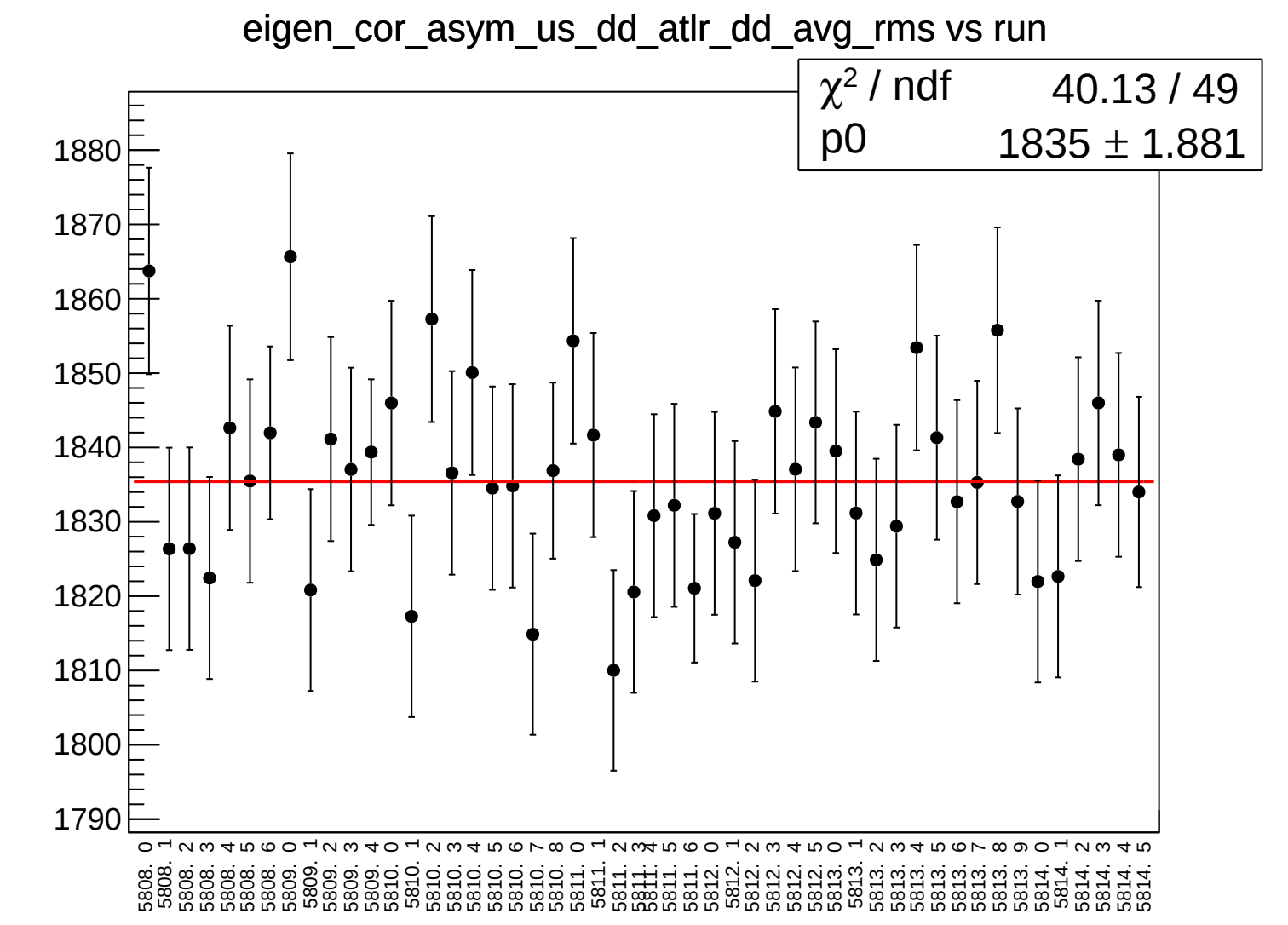

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 40.13 / 49
p0 1835 ± 1.881
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

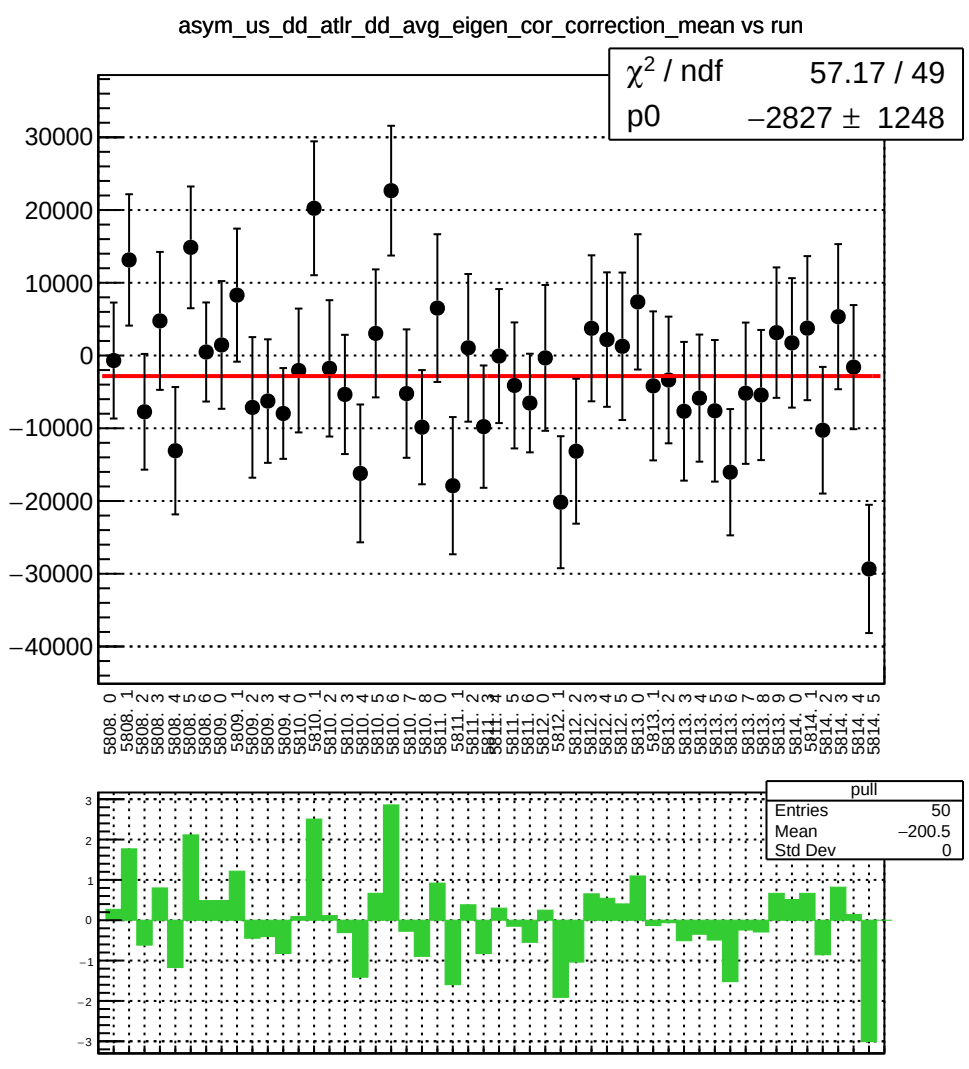

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 57.17 / 49
p0 −2827 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −200.5
Std Dev 0

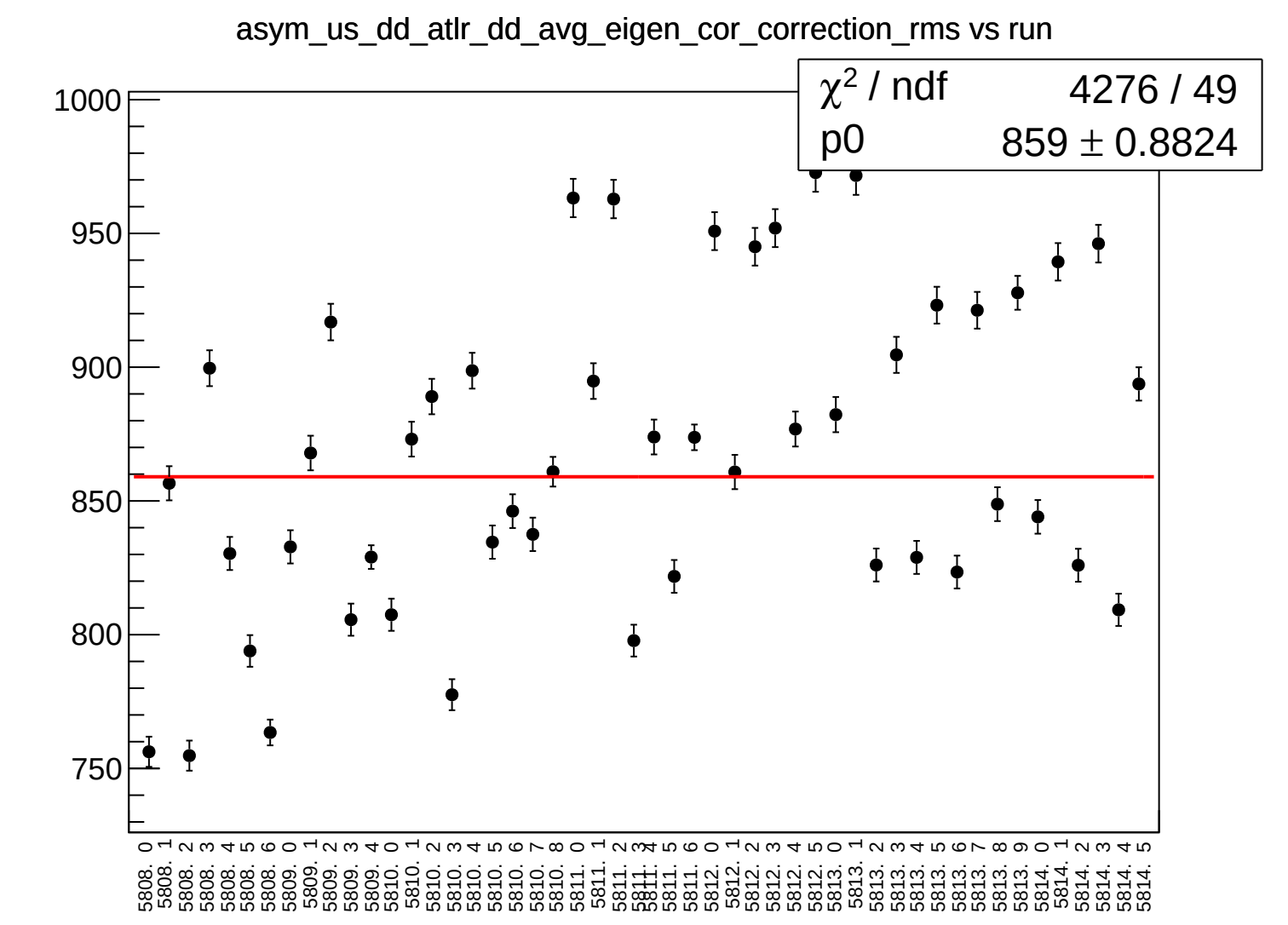

pull1D
Entries 50
Mean 0.01737
Std Dev 1.069


asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 4276 / 49
p0 859 ± 0.8824
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 33.62 / 49
p0 −2879 ± 2660
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −527
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.007485
Std Dev 0.8199
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 40.13 / 49
p0 1835 ± 1.881
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 57.17 / 49
p0 −2827 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −200.5
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01737
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 4276 / 49
p0 859 ± 0.8824
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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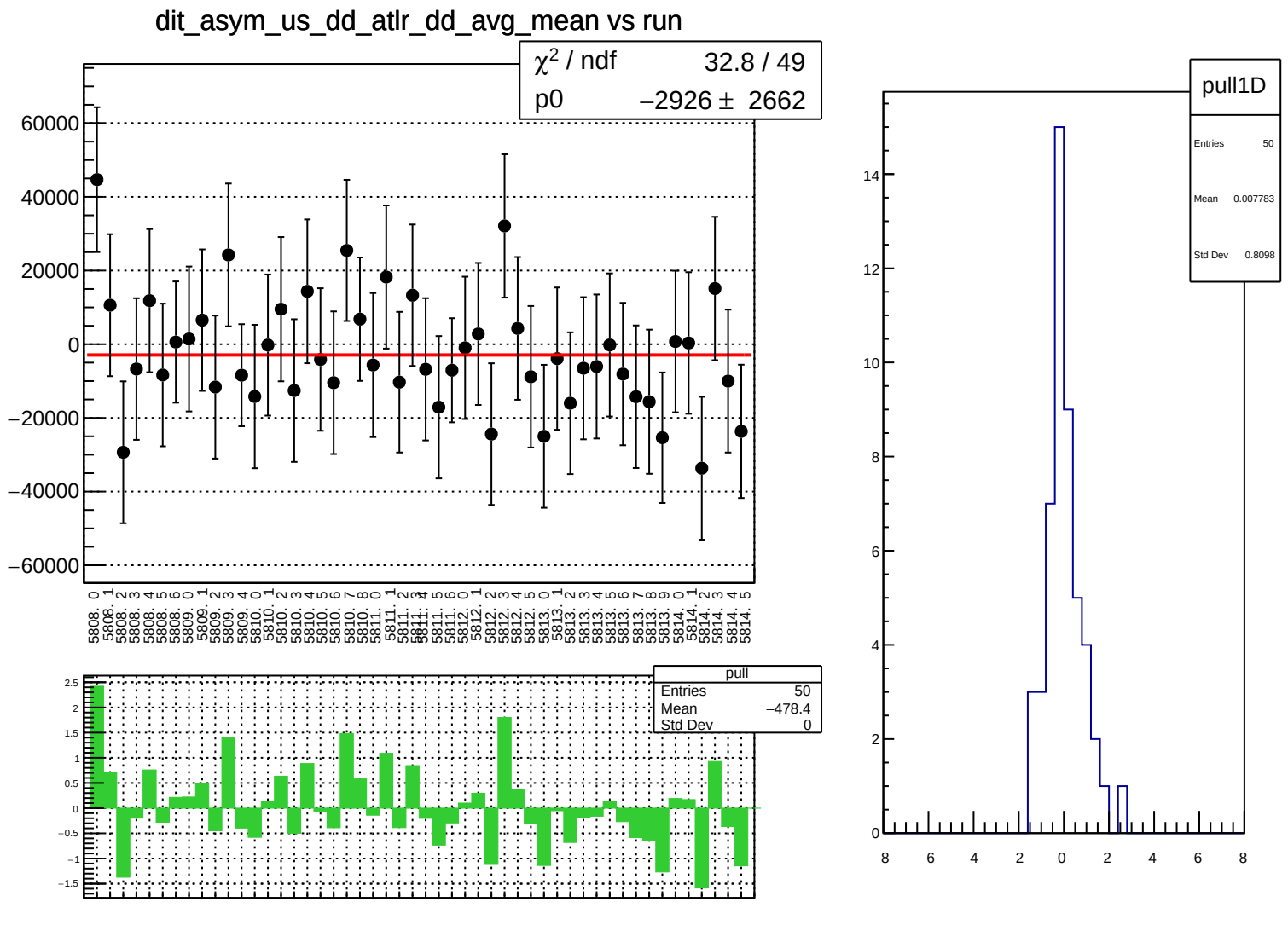
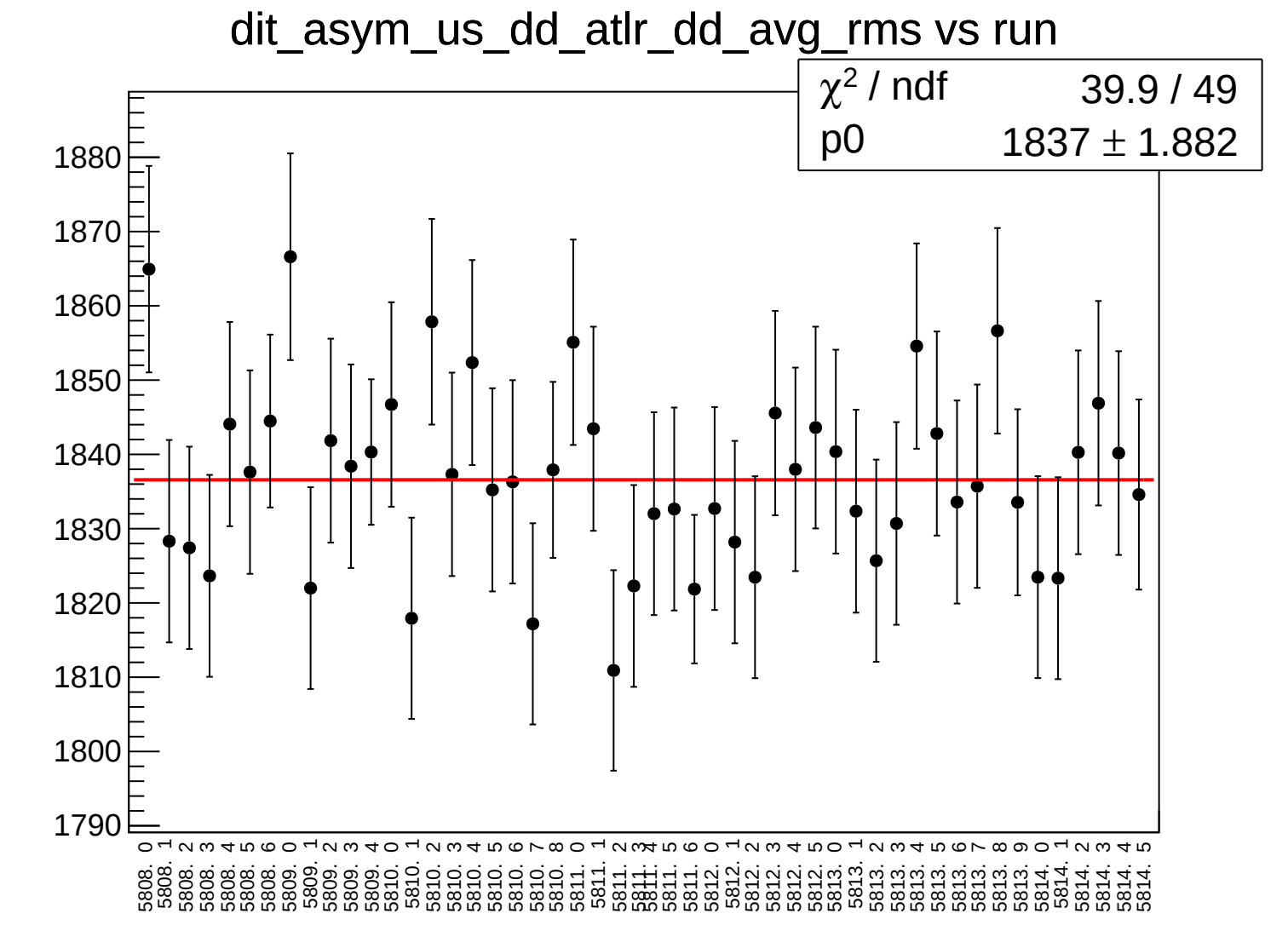
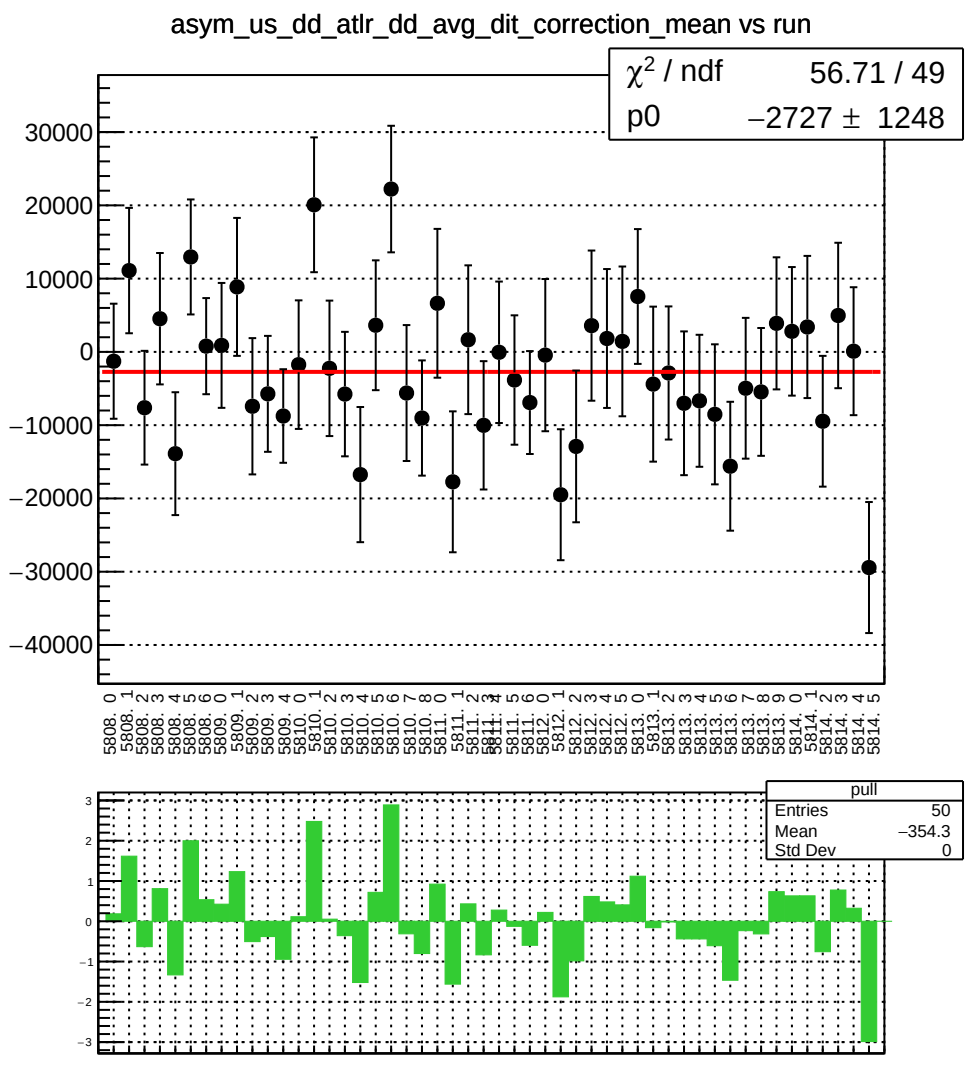
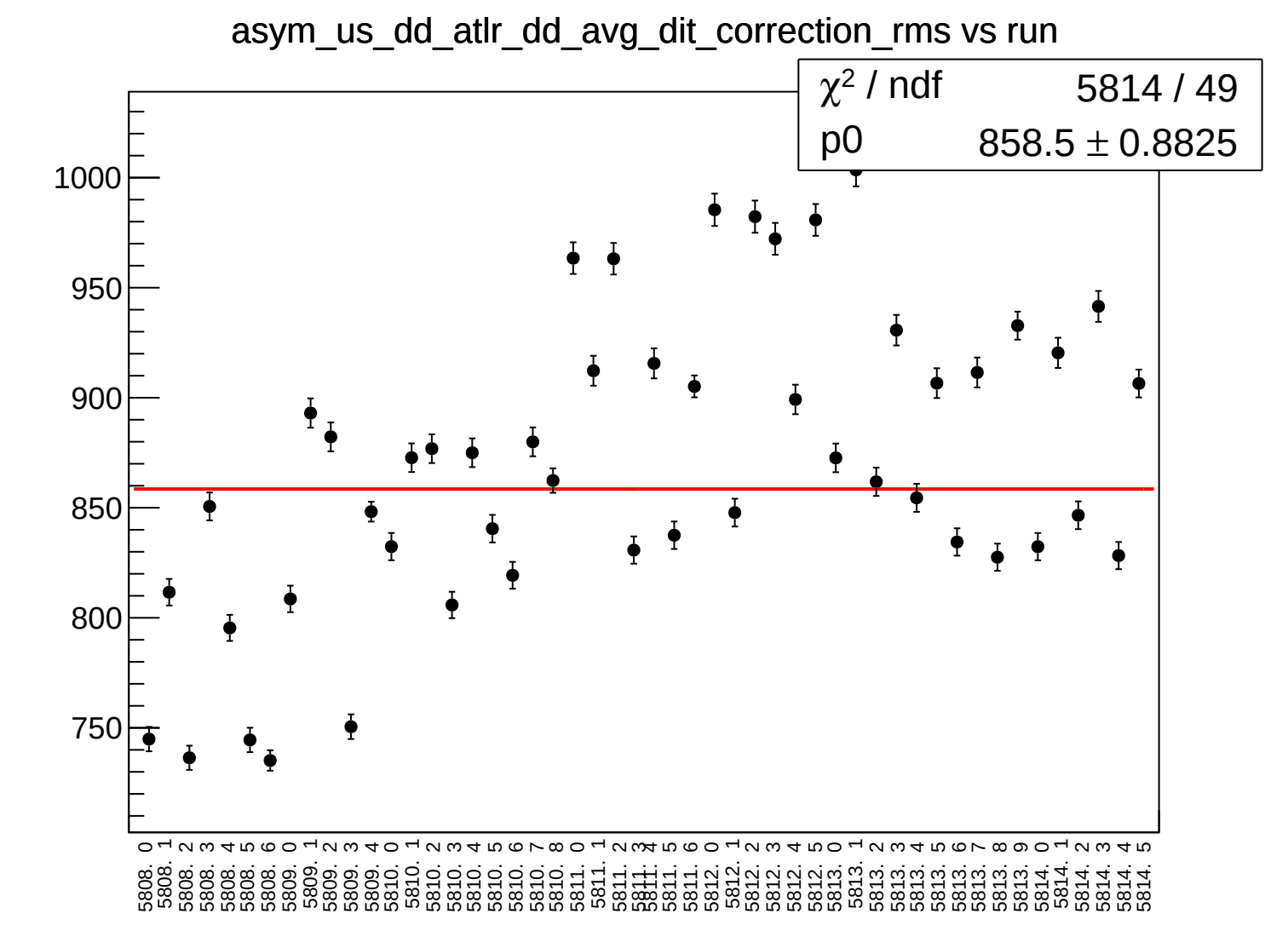

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 32.8 / 49
p0 −2926 ± 2662
pull
Entries 50
Mean −478.4
Std Dev 0
pull1D
Entries 50
Mean 0.007783
Std Dev 0.8098


dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 39.9 / 49
p0 1837 ± 1.882
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 56.71 / 49
p0 −2727 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −354.3
Std Dev 0
pull1D
Entries 50
Mean 0.009178
Std Dev 1.065


asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 5814 / 49
p0 858.5 ± 0.8825
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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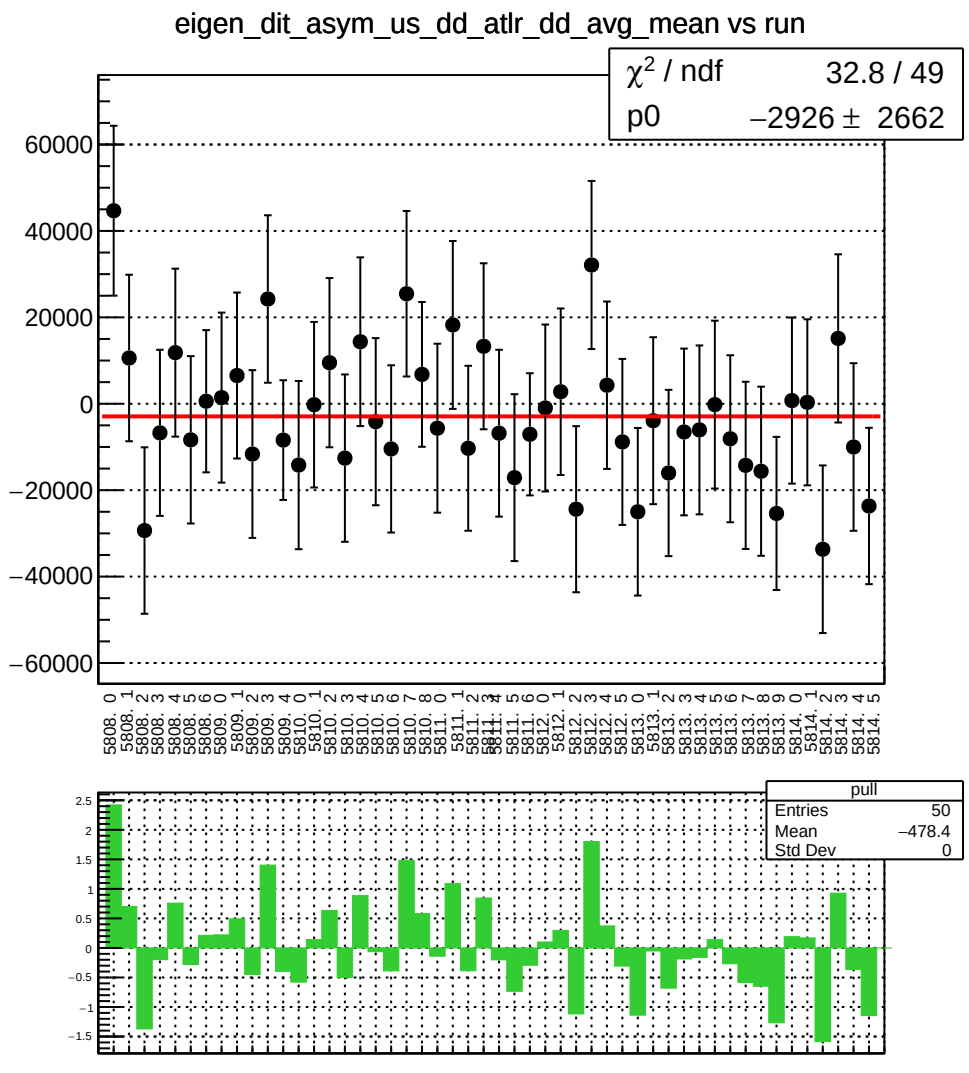
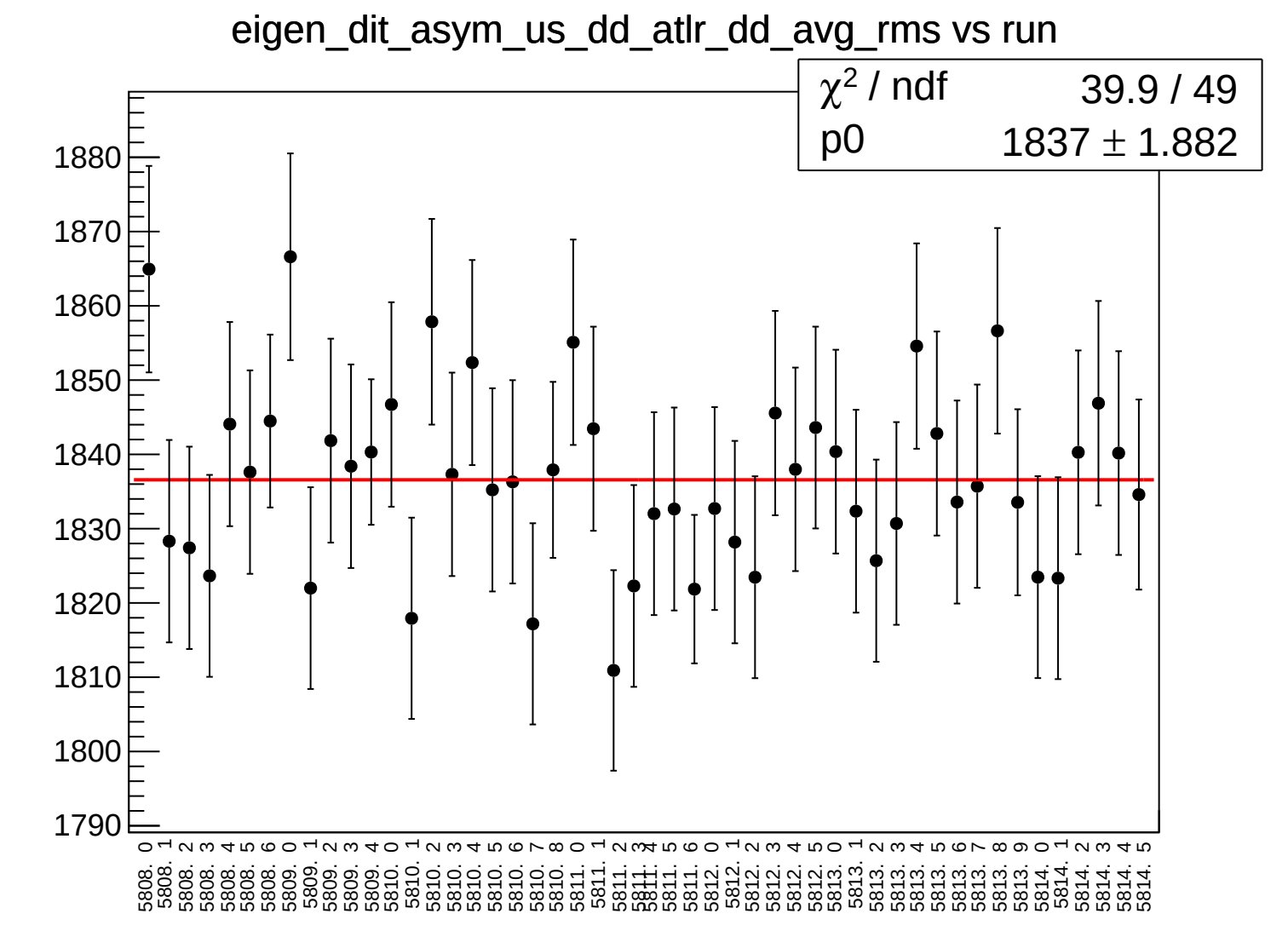
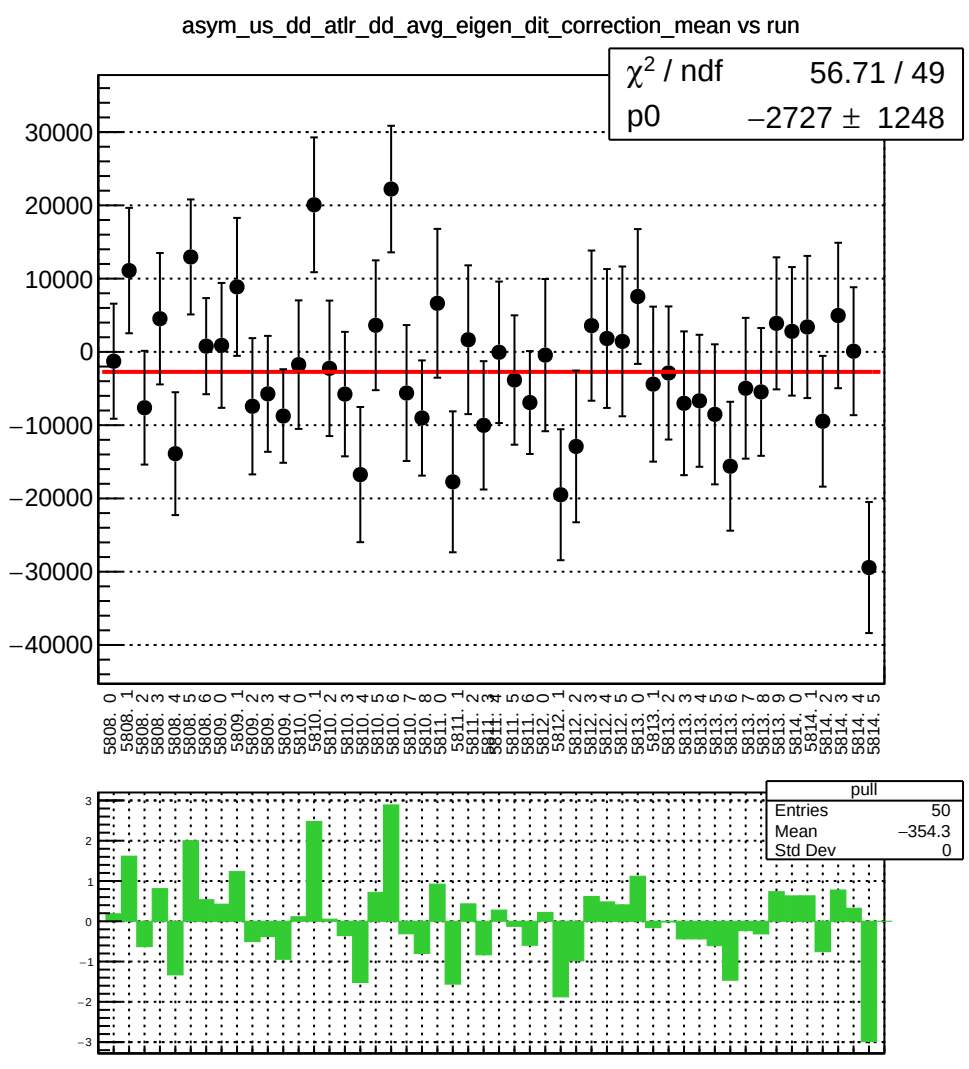
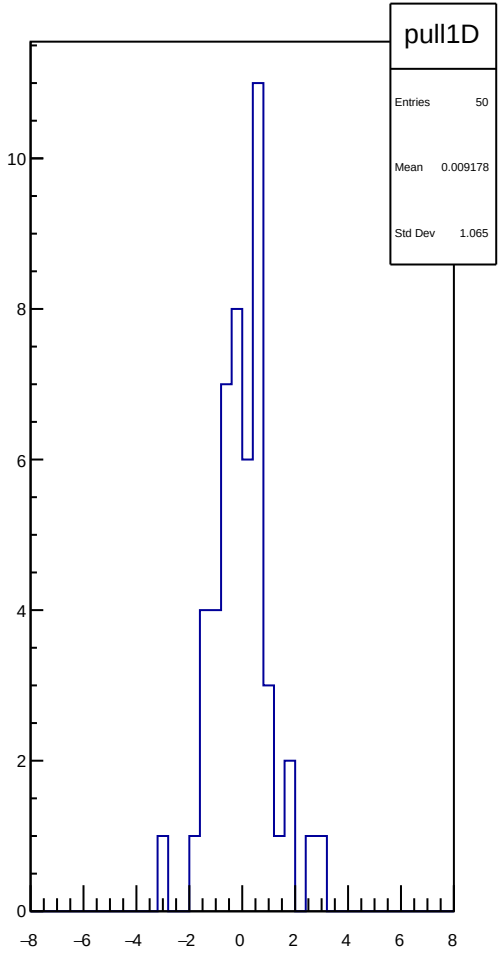
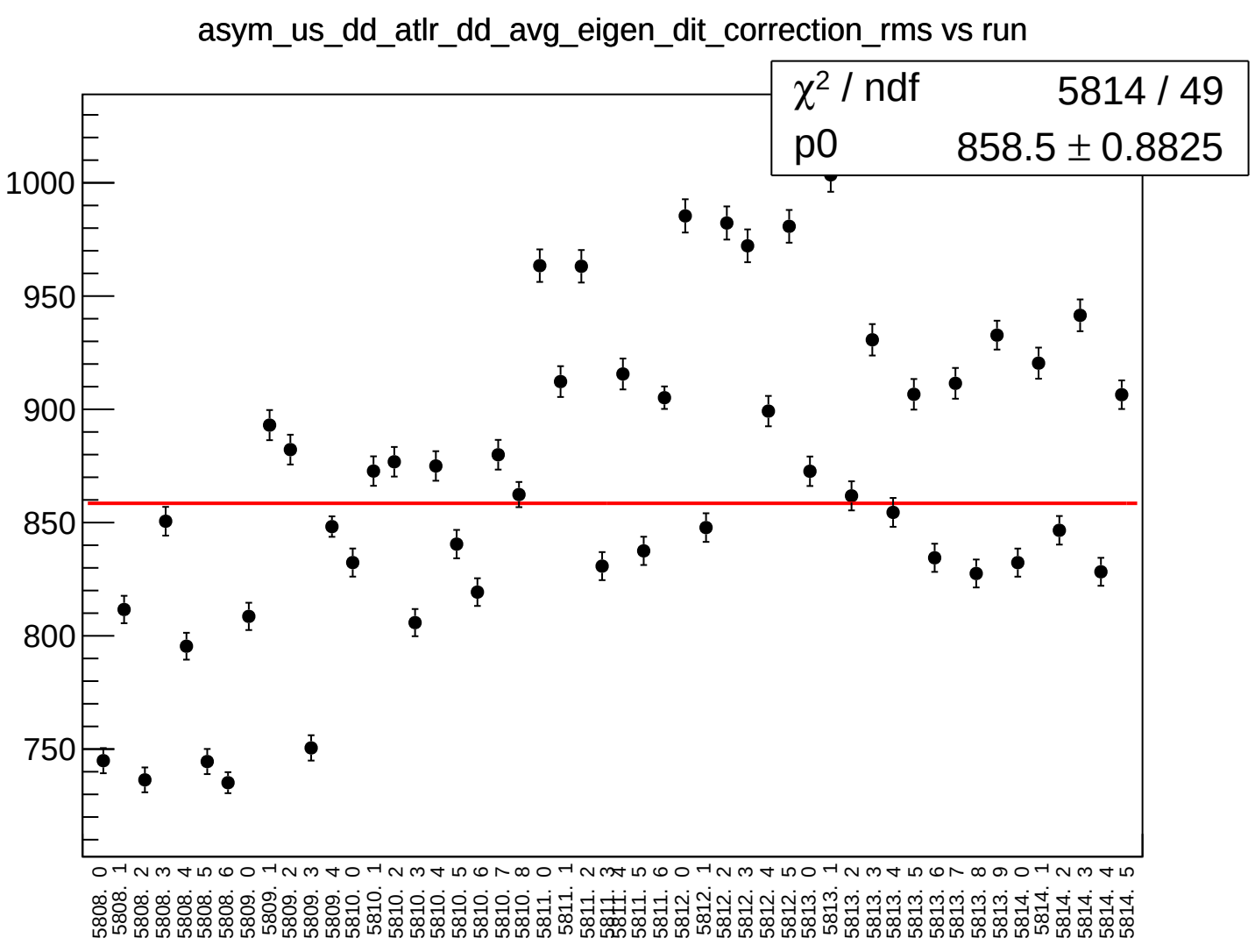
5814. 4
5814. 5


eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 32.8 / 49
p0 −2926 ± 2662
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −478.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.007783
Std Dev 0.8098
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 39.9 / 49
p0 1837 ± 1.882
1880
1870
1860
1850
1840
1830
1820
1810
1800
1790
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 56.71 / 49
p0 −2727 ± 1248
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −354.3
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.009178
Std Dev 1.065
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 5814 / 49
p0 858.5 ± 0.8825
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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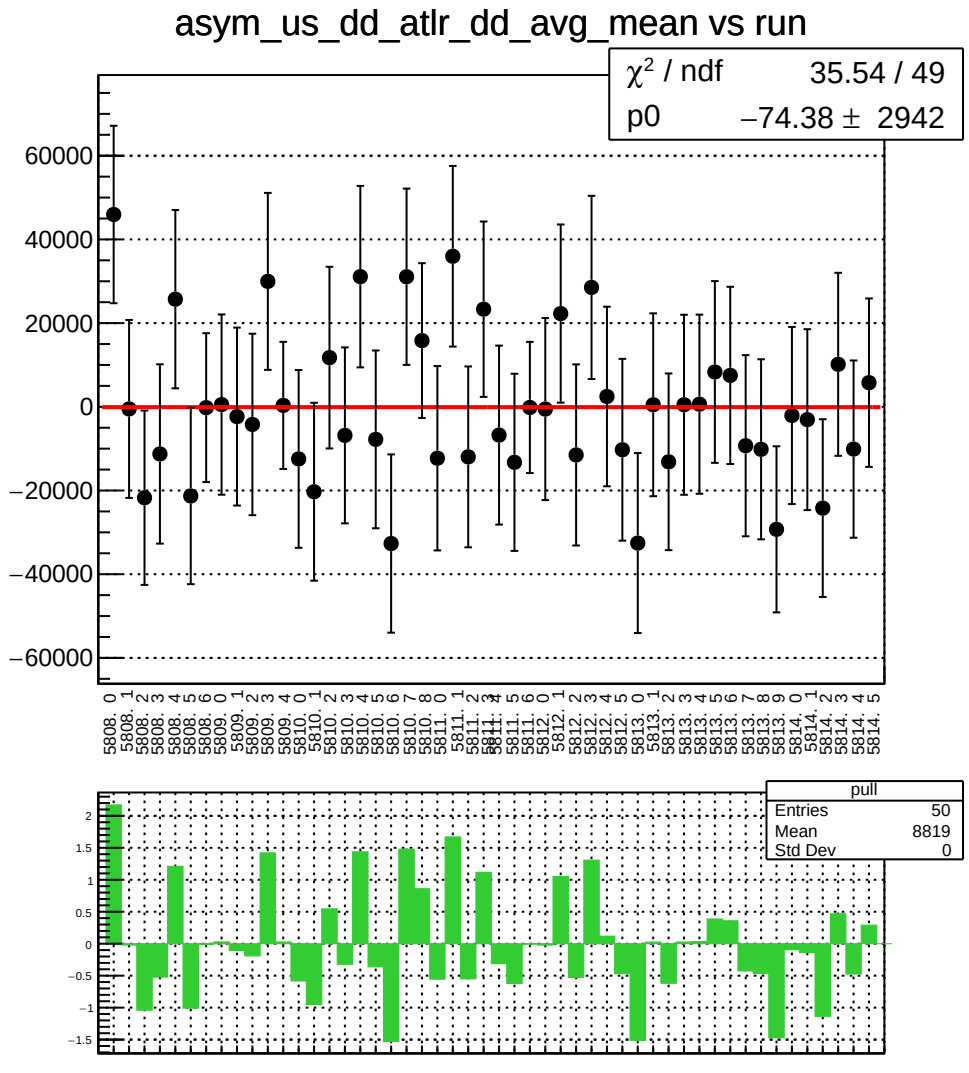
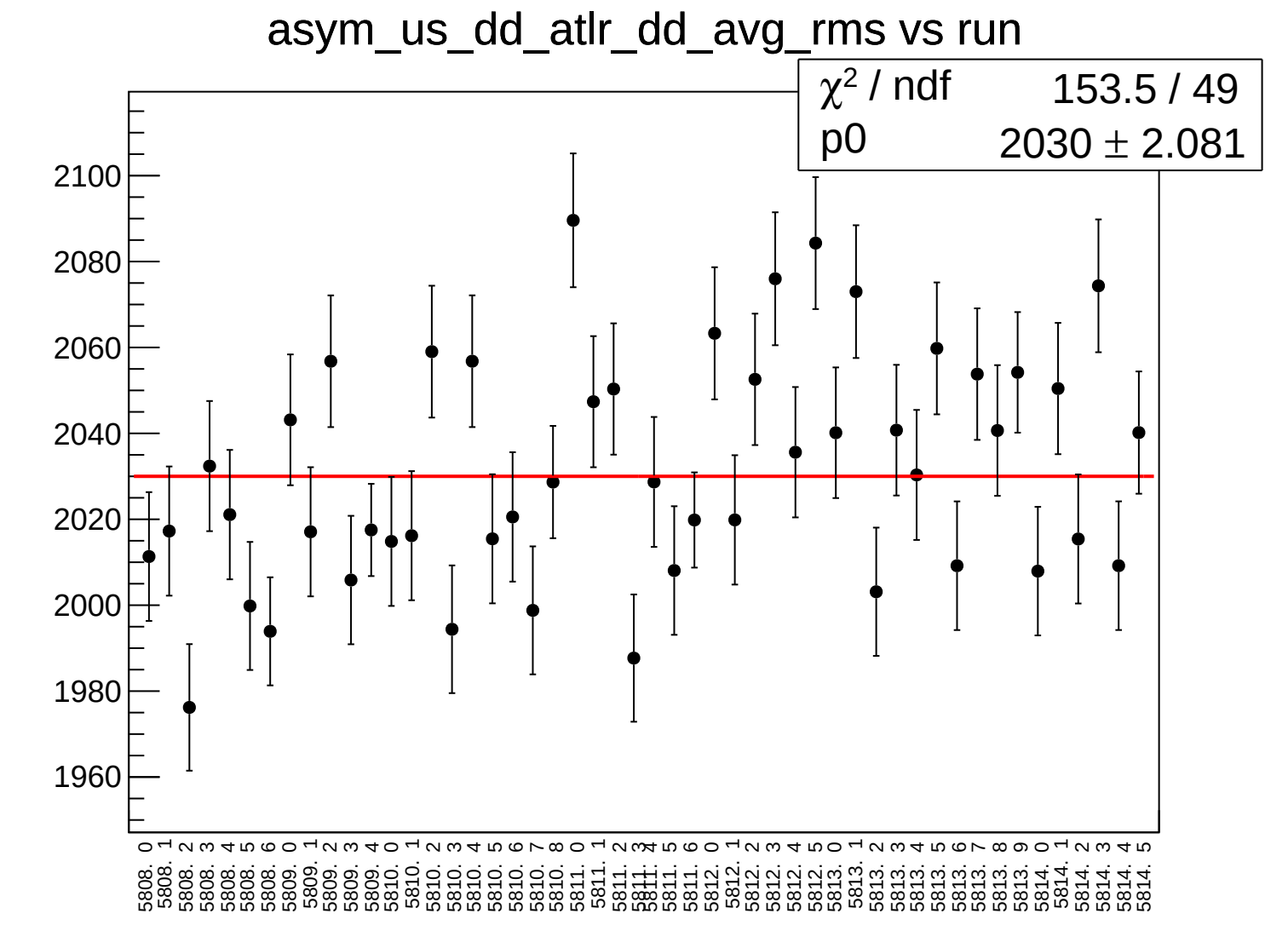
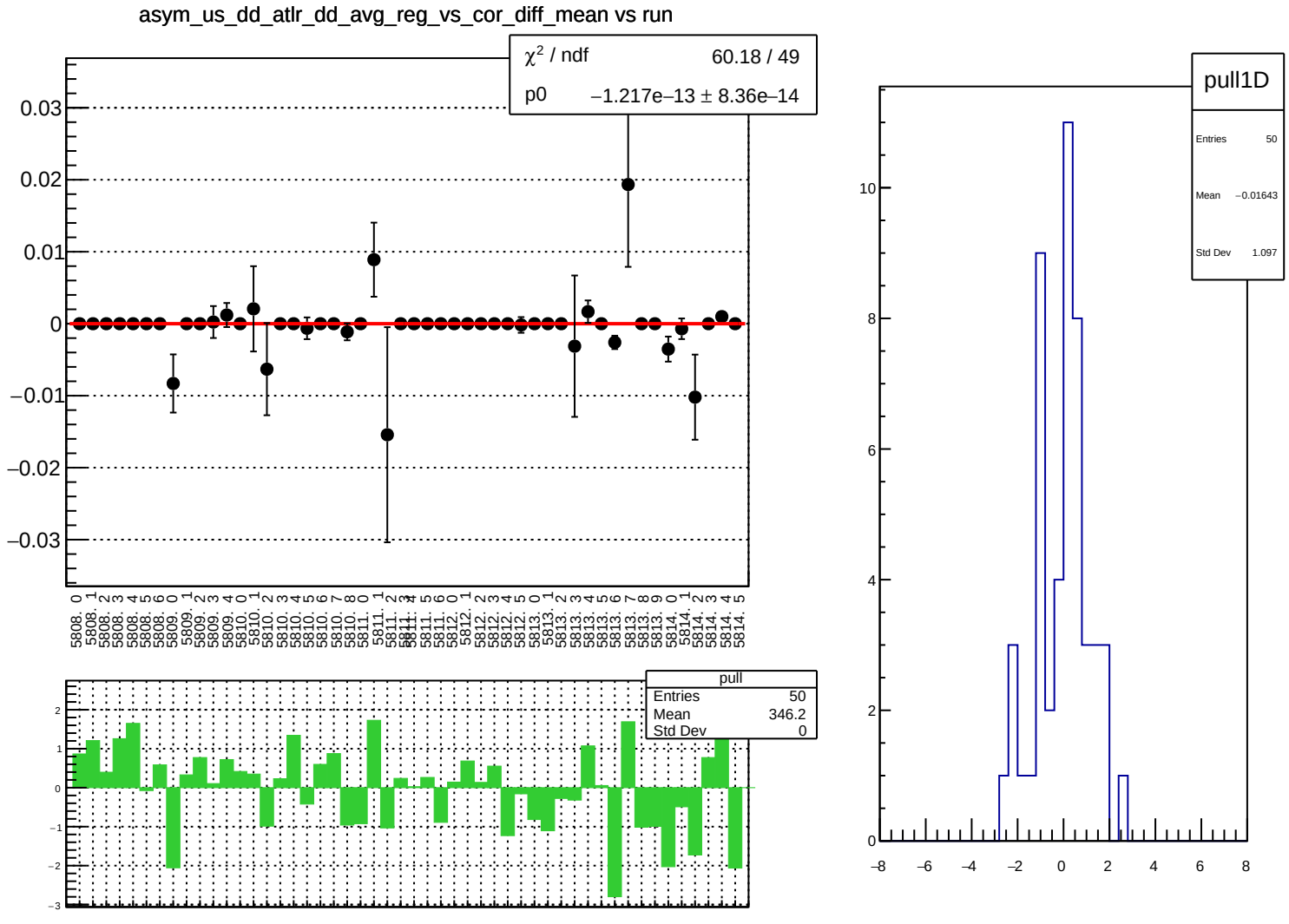
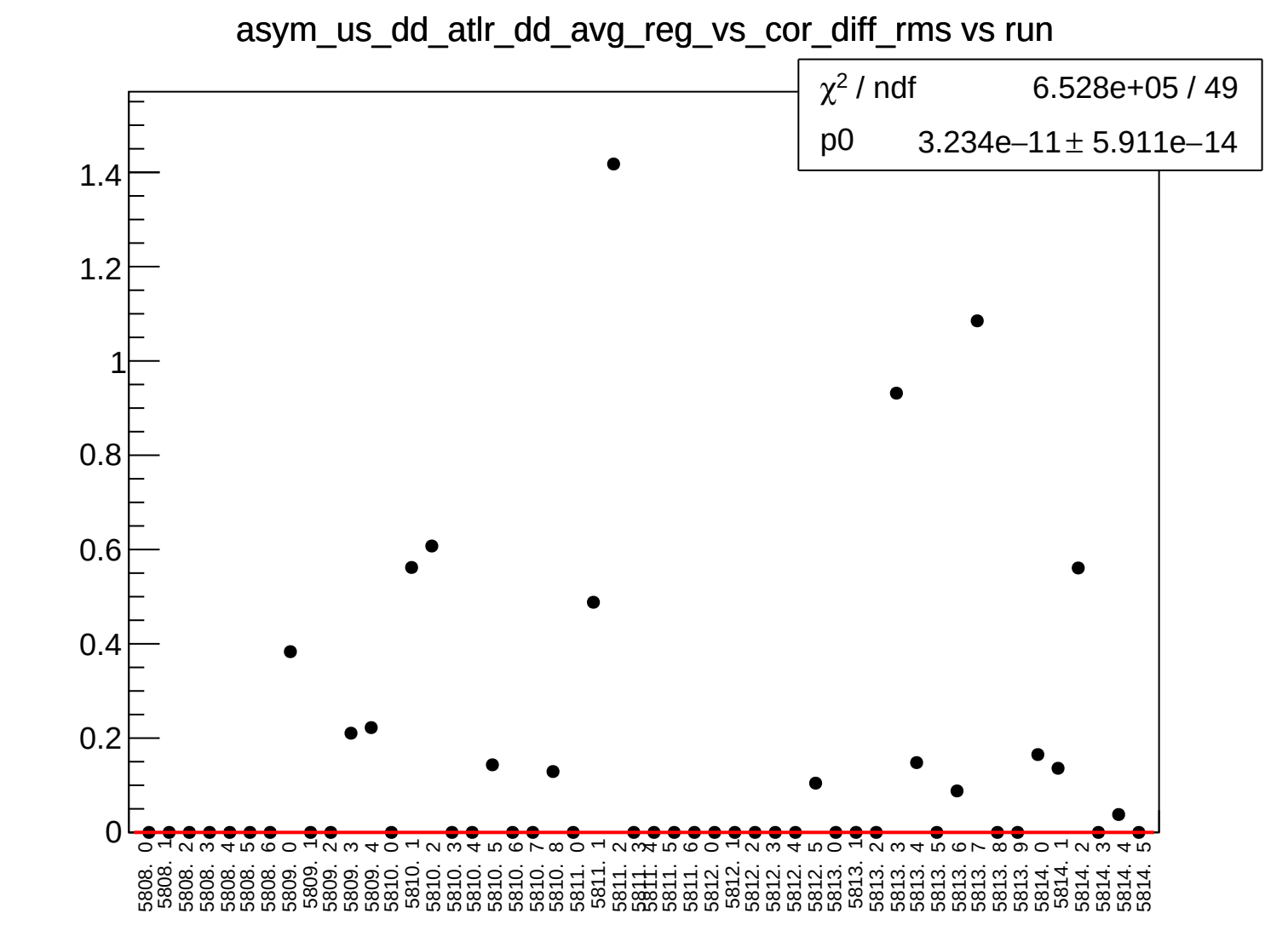
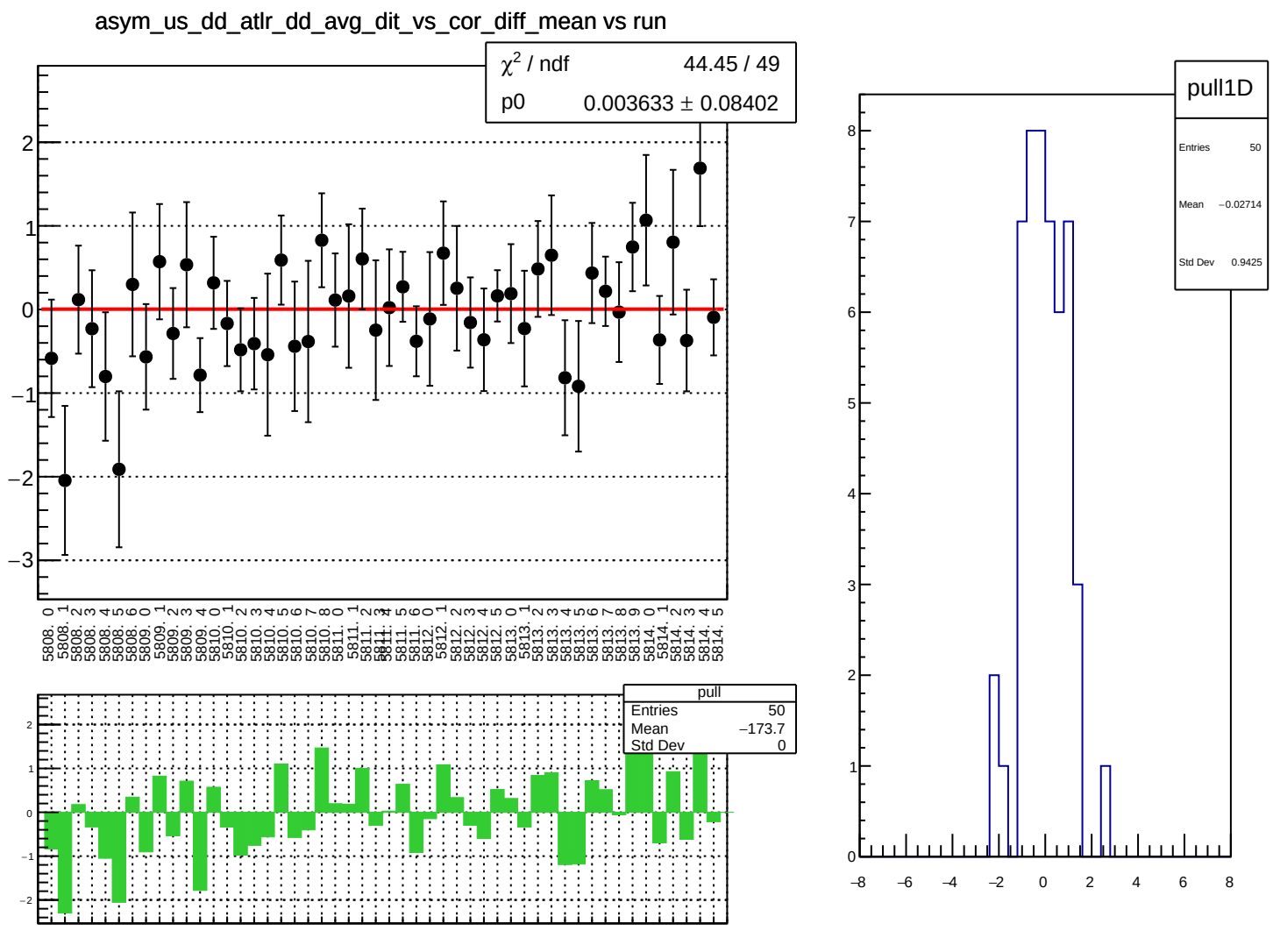
5814. 5

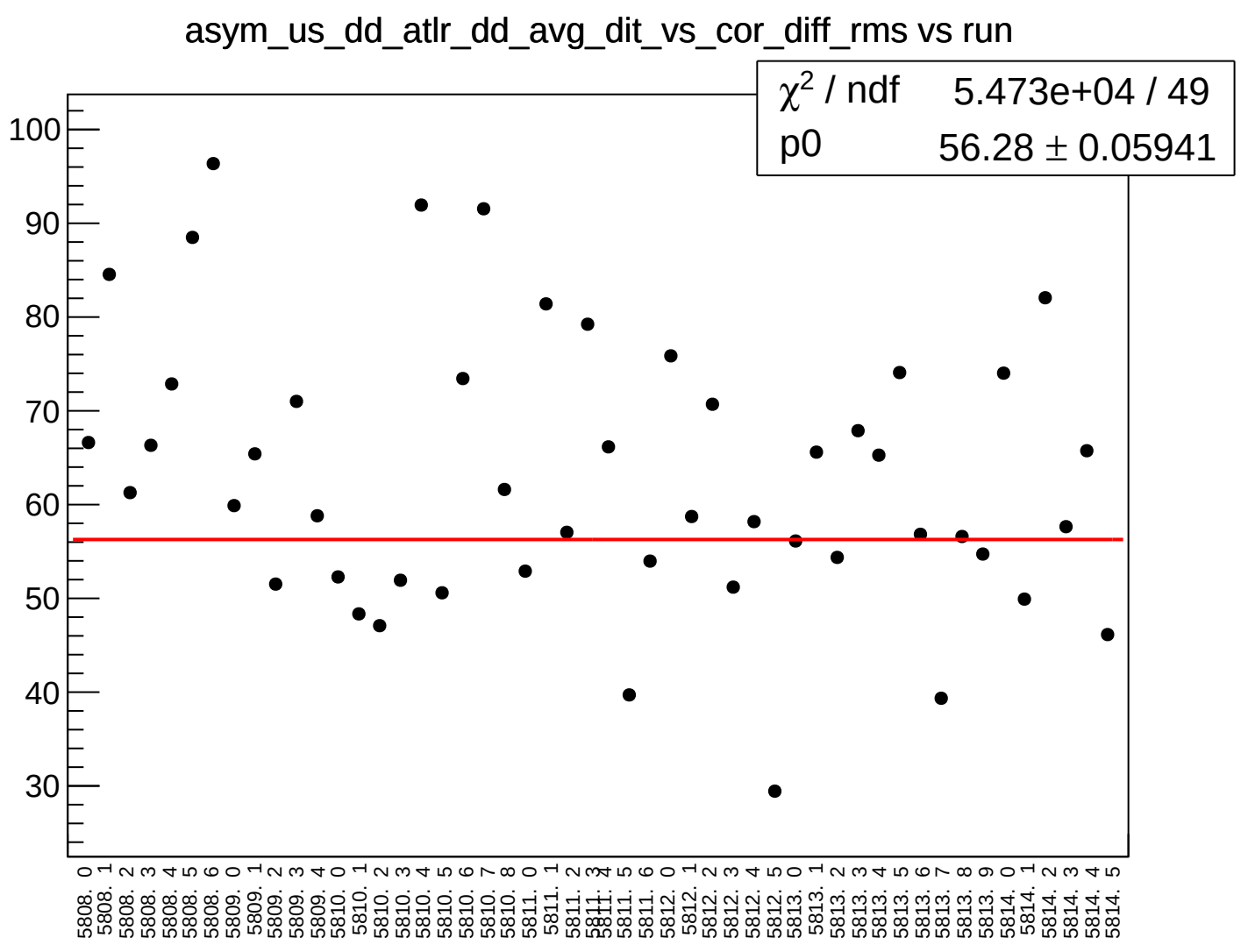

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 35.54 / 49
p0 −74.38 ± 2942
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 8819
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0002414
Std Dev 0.8431
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 153.5 / 49
p0 2030 ± 2.081
2100
2080
2060
2040
2020
2000
1980
1960
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 60.18 / 49
p0 −1.217e−13 ± 8.36e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 346.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01643
Std Dev 1.097
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 6.528e+05 / 49
p0 3.234e−11 ± 5.911e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.45 / 49
p0 0.003633 ± 0.08402
pull
Entries 50
Mean −173.7
Std Dev 0
pull1D
Entries 50
Mean −0.02714
Std Dev 0.9425


asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.473e+04 / 49
p0 56.28 ± 0.05941
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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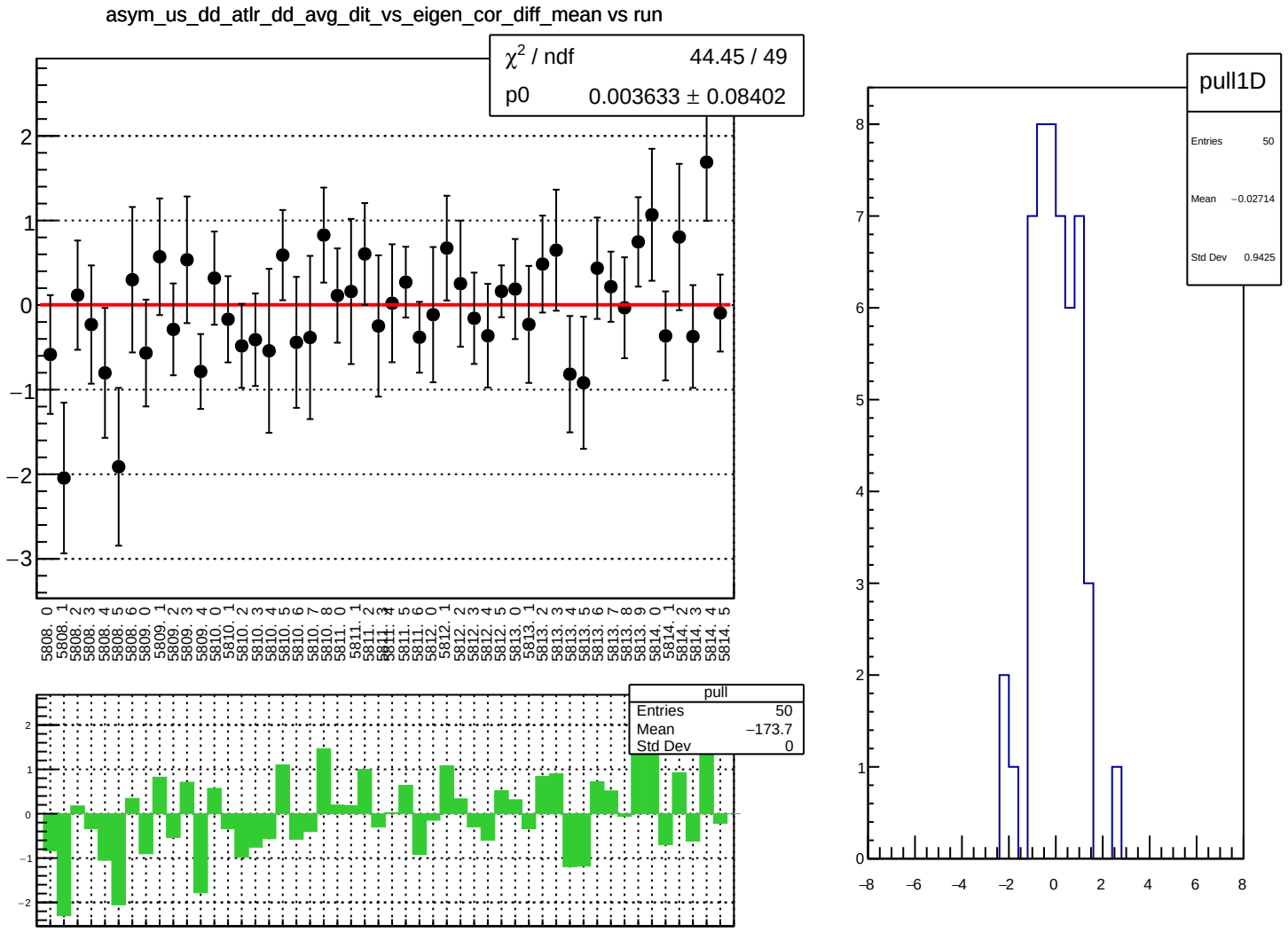
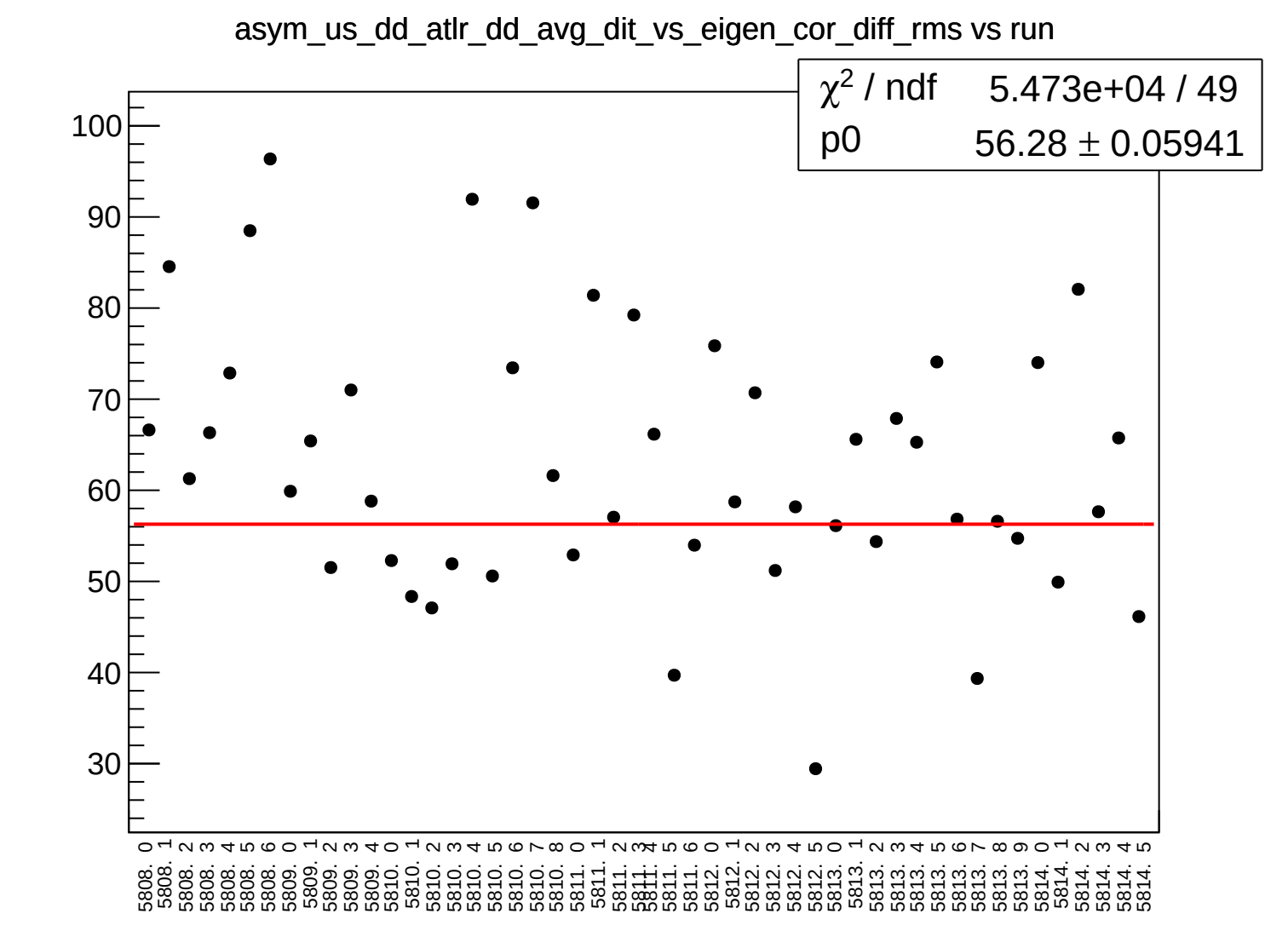
5814. 4
5814. 5


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.45 / 49
p0 0.003633 ± 0.08402
pull
Entries 50
Mean −173.7
Std Dev 0
pull1D
Entries 50
Mean −0.02714
Std Dev 0.9425


asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 5.473e+04 / 49
p0 56.28 ± 0.05941
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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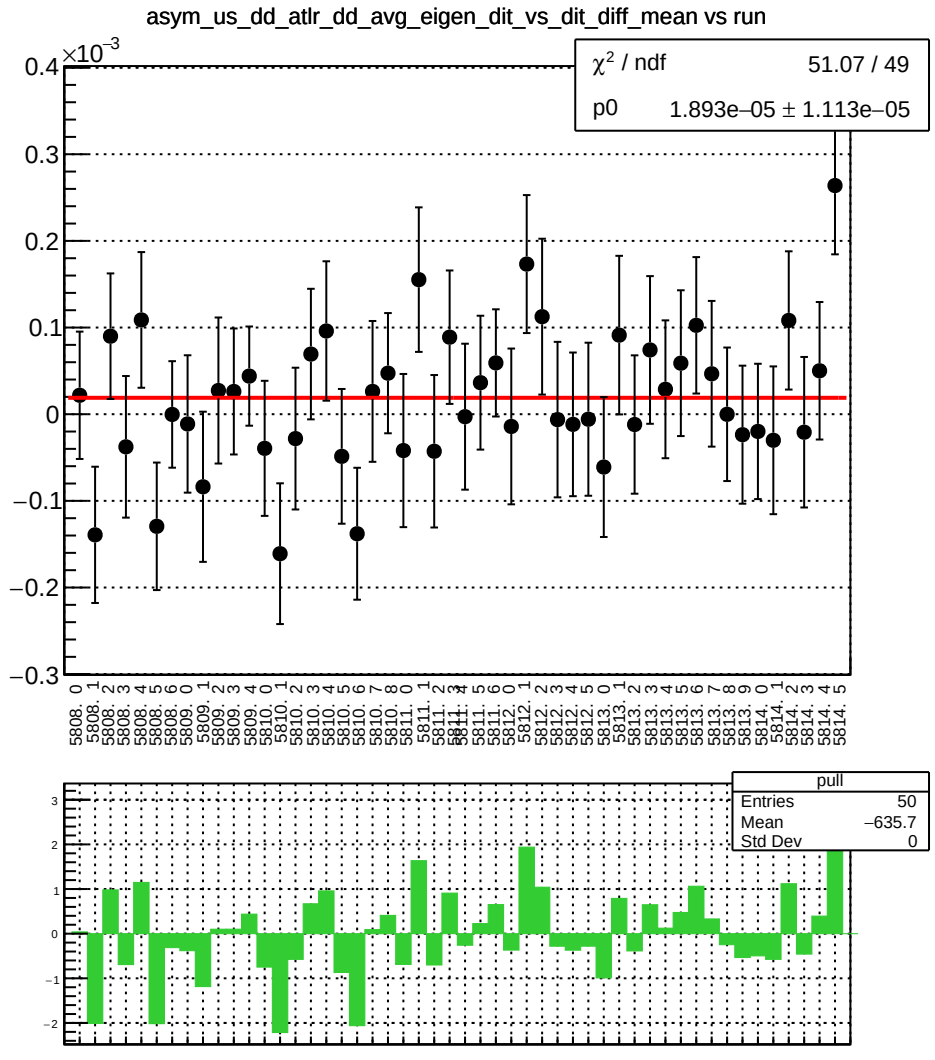
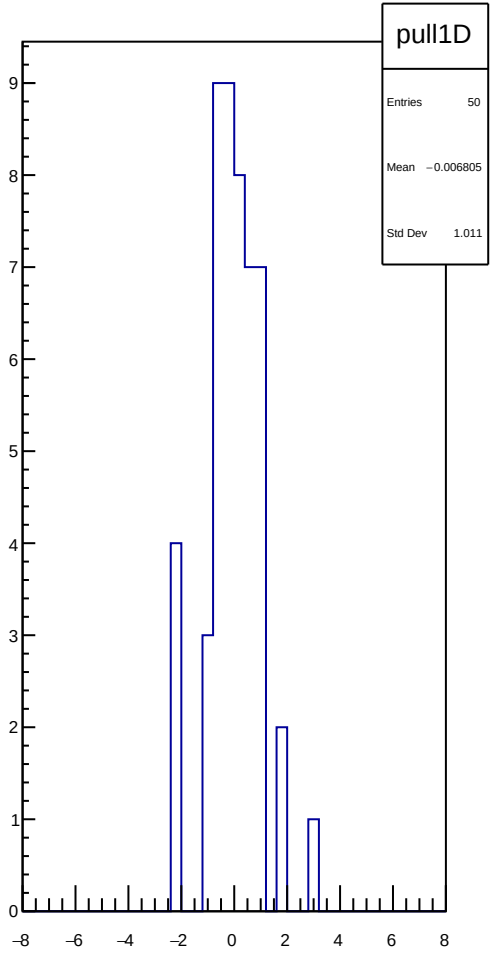
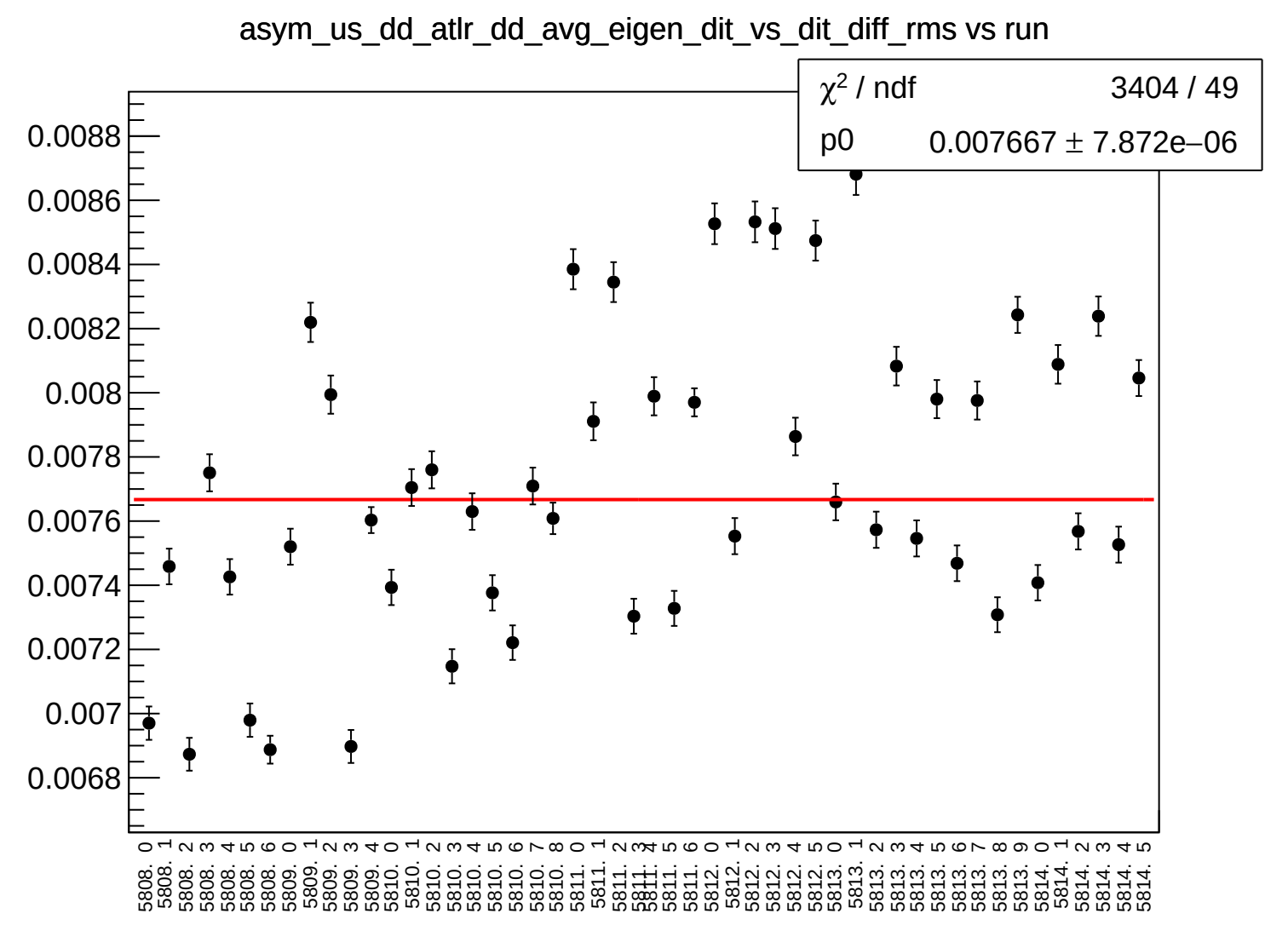
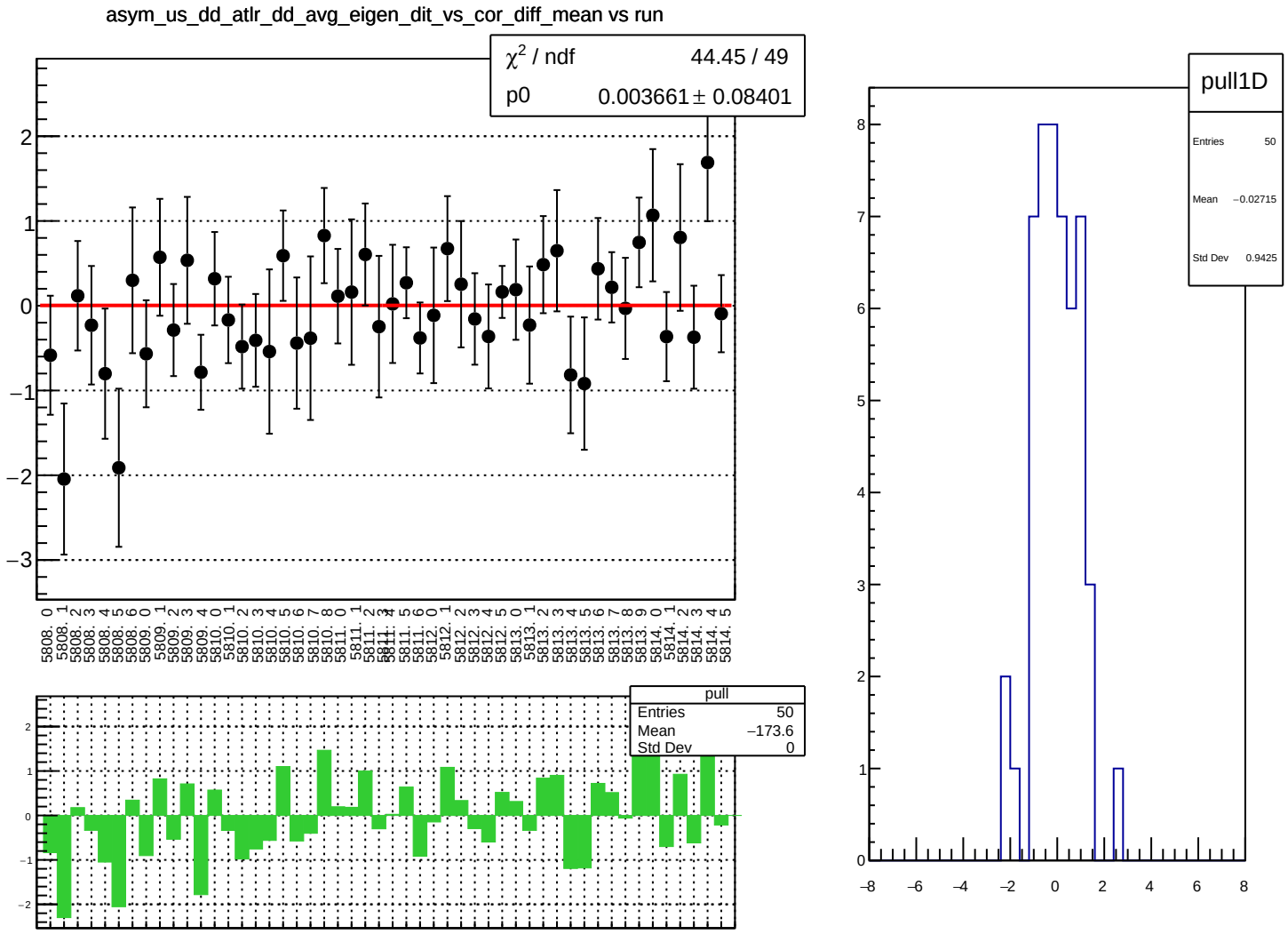
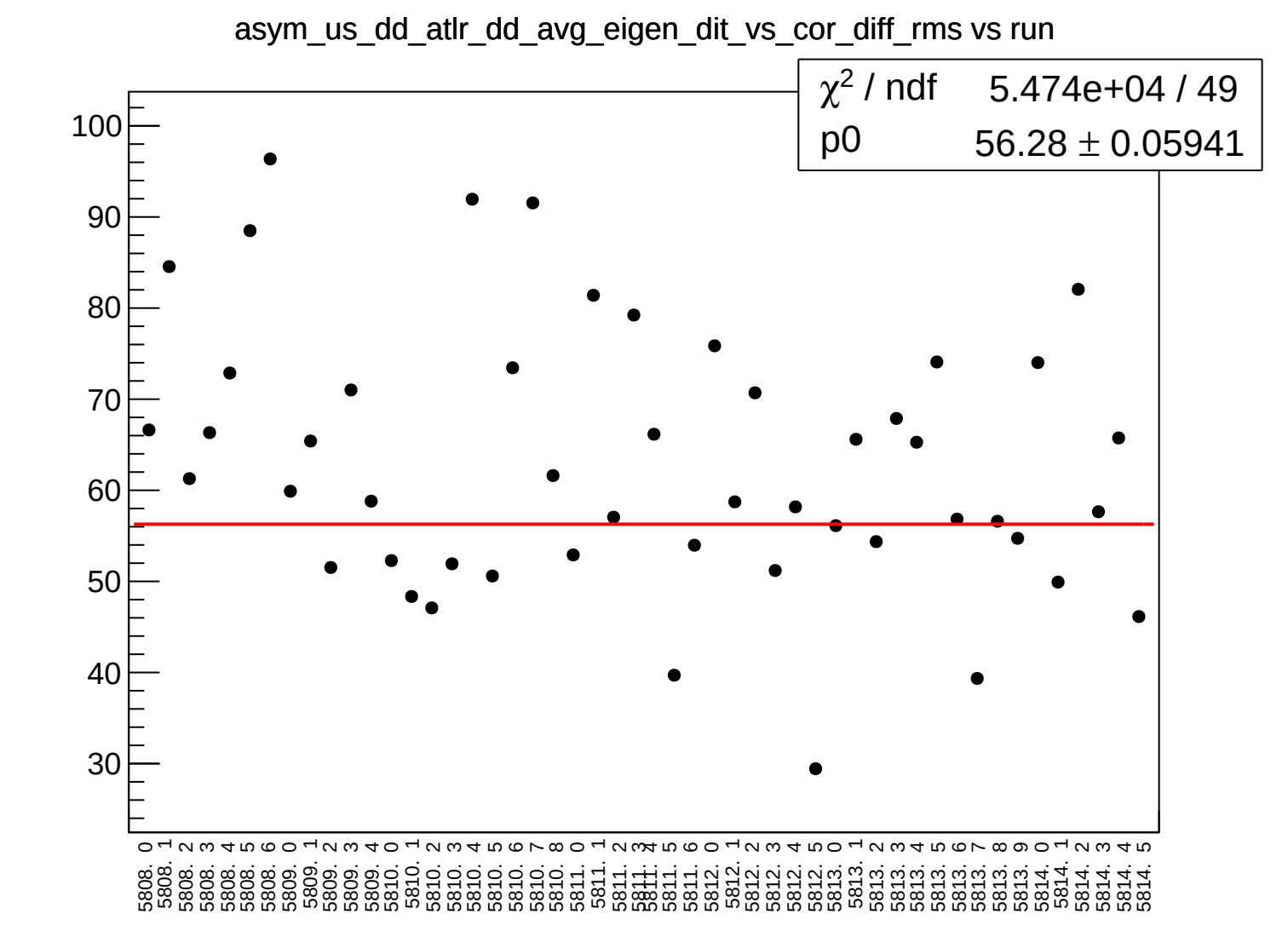
5814. 5

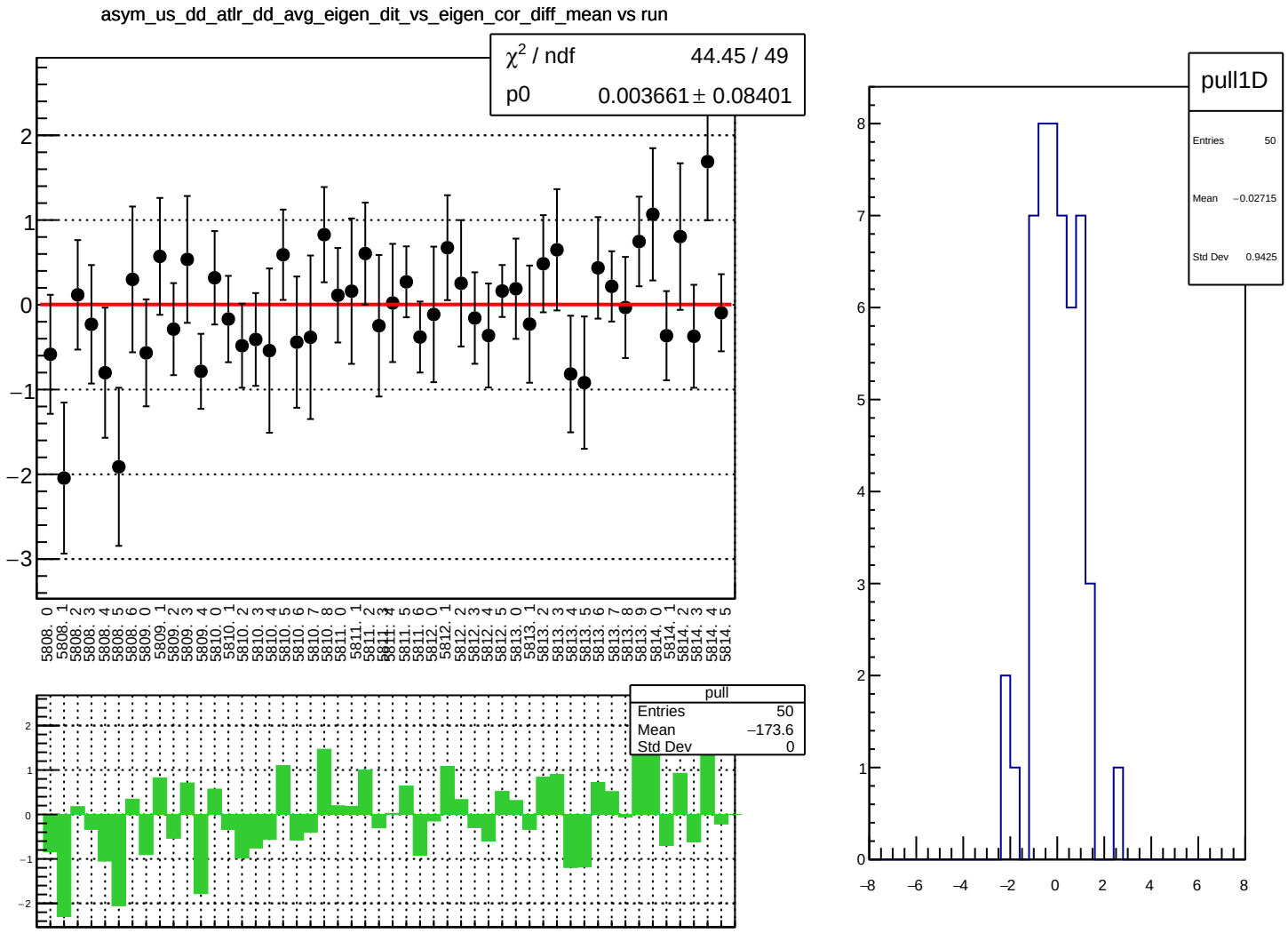

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.07 / 49
p0 1.893e−05 ± 1.113e−05
pull
Entries 50
Mean −635.7
Std Dev 0

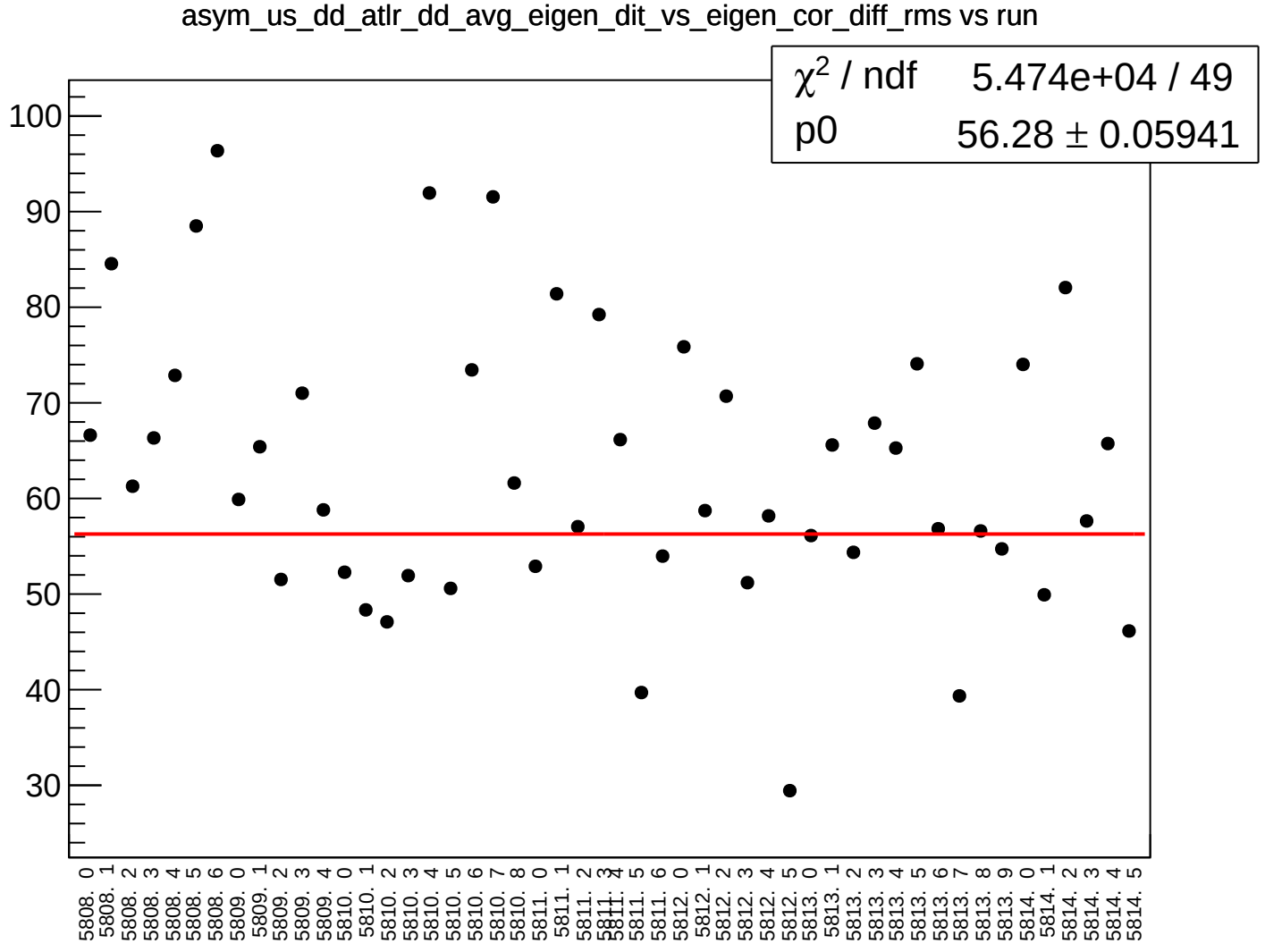

pull1D
Entries 50
Mean −0.006805
Std Dev 1.011

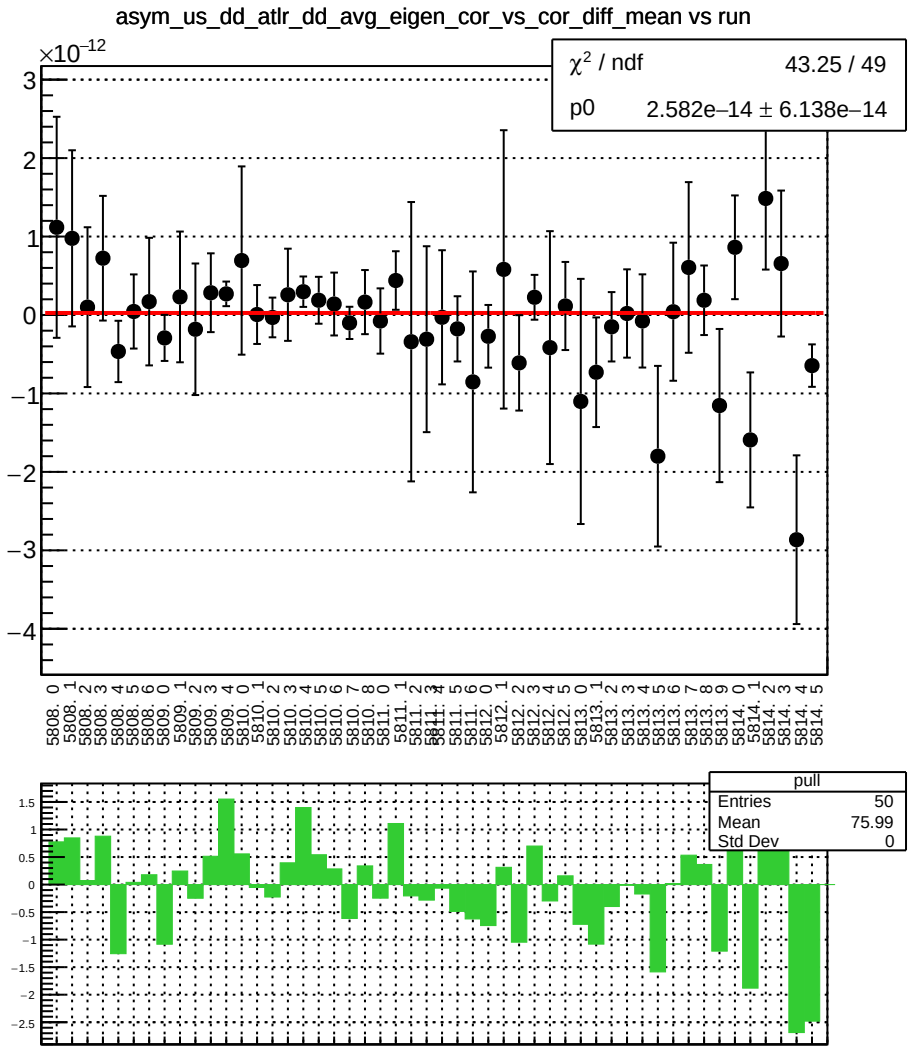

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3404 / 49
p0 0.007667 ± 7.872e−06
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

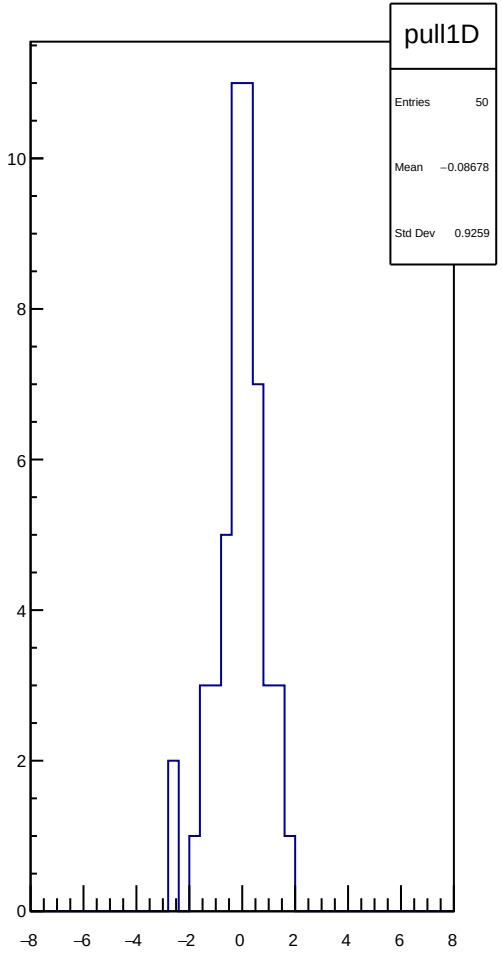

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.45 / 49
p0 0.003661 ± 0.08401
pull
Entries 50
Mean −173.6
Std Dev 0
pull1D
Entries 50
Mean −0.02715
Std Dev 0.9425

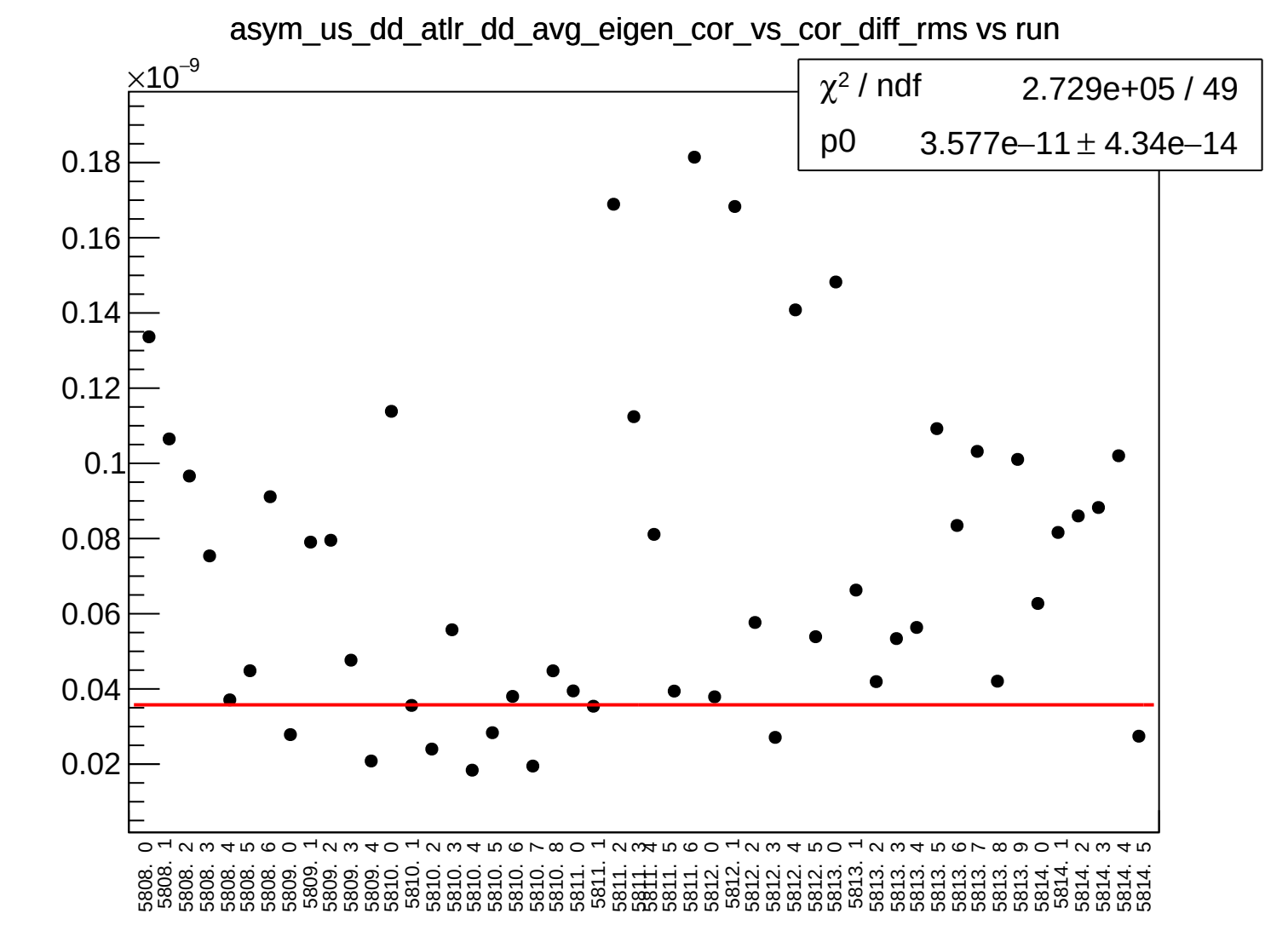

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 5.474e+04 / 49
p0 56.28 ± 0.05941
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

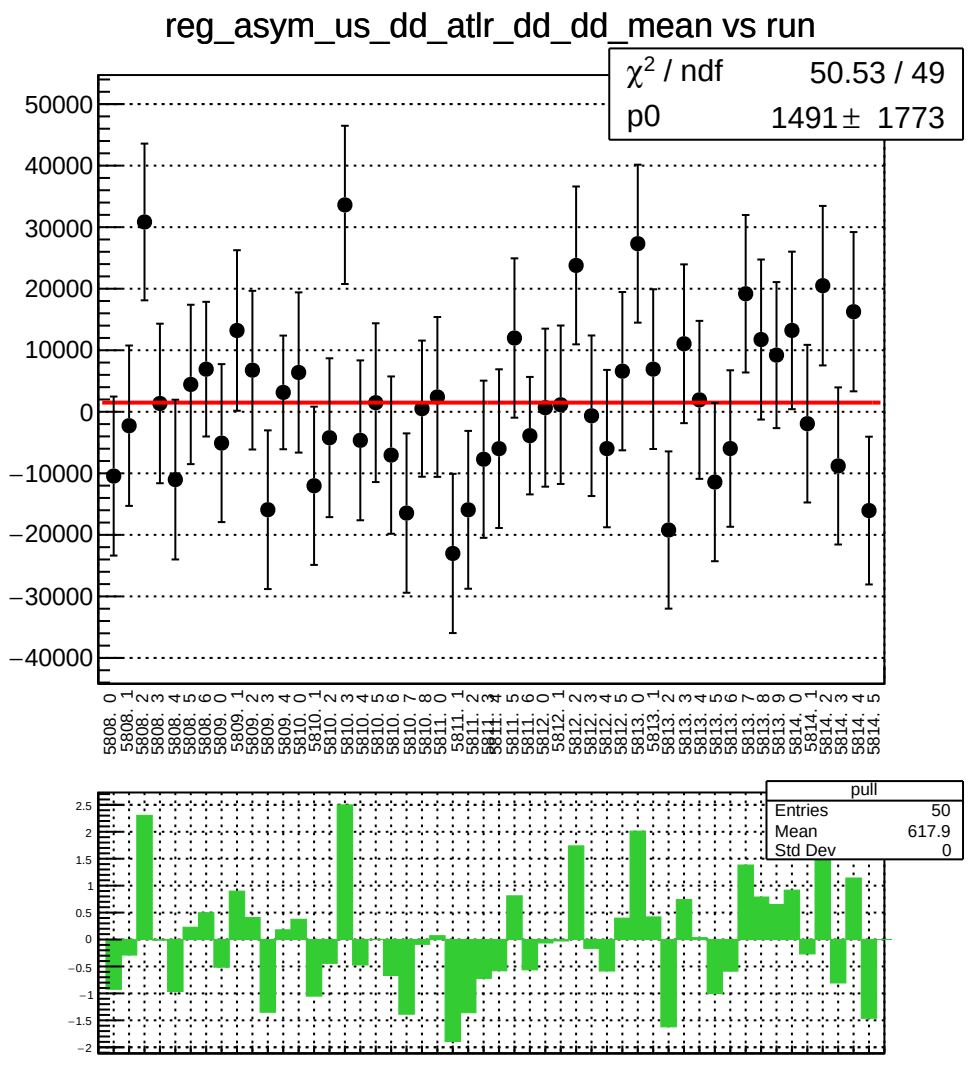

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.45 / 49
p0 0.003661 ± 0.08401
pull
Entries 50
Mean −173.6
Std Dev 0
pull1D
Entries 50
Mean −0.02715
Std Dev 0.9425

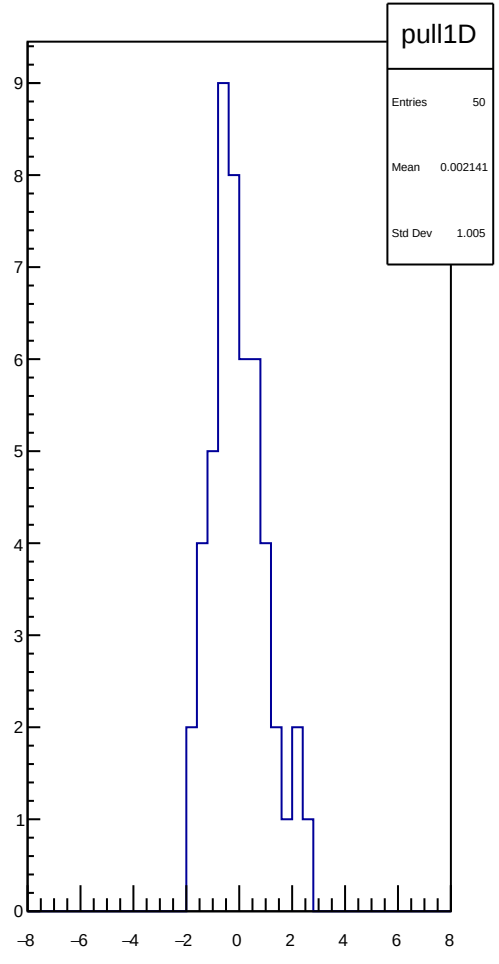

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 5.474e+04 / 49
p0 56.28 ± 0.05941
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

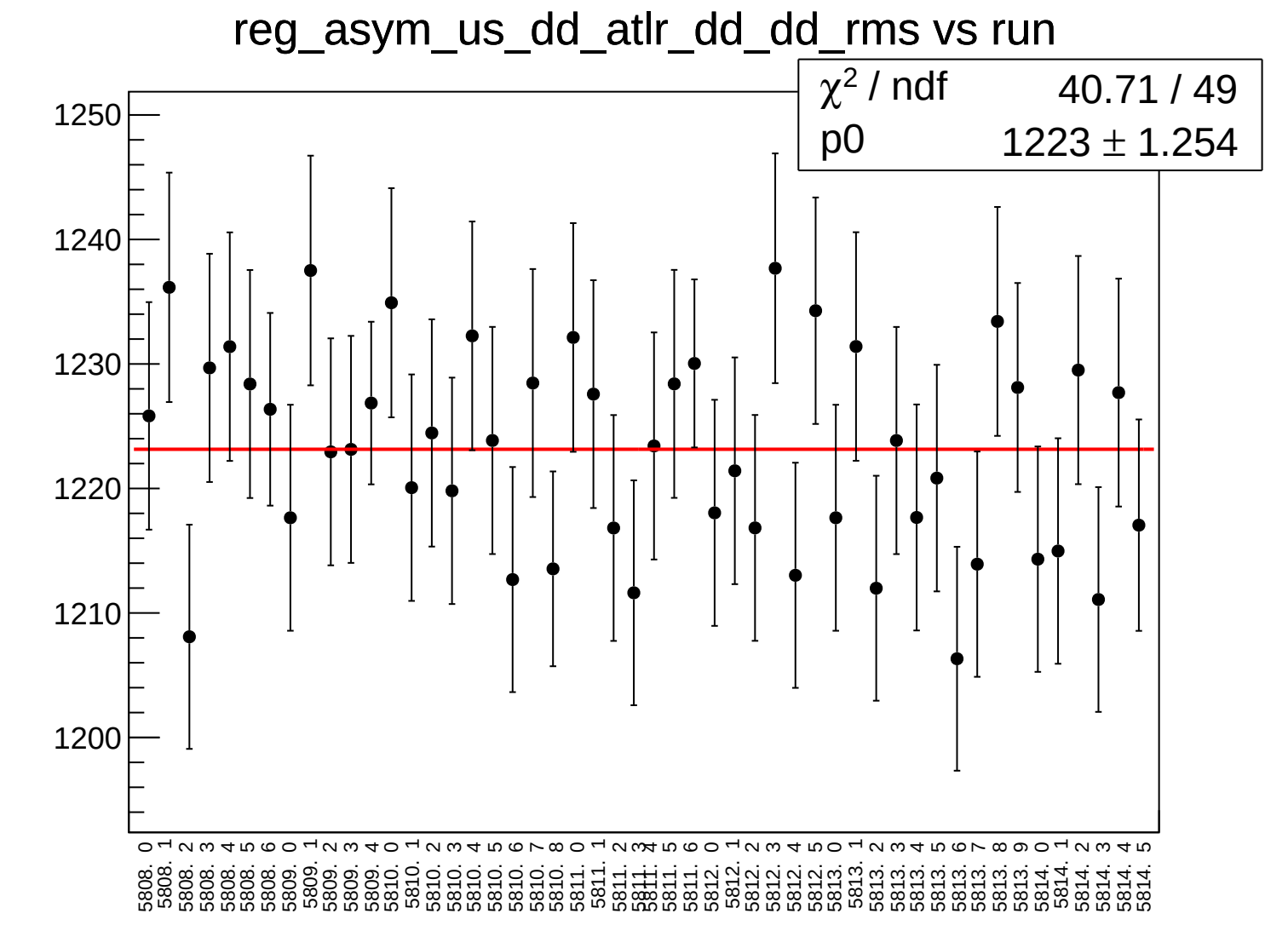

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.25 / 49
p0 2.582e−14 ± 6.138e−14
pull
Entries 50
Mean 75.99
Std Dev 0

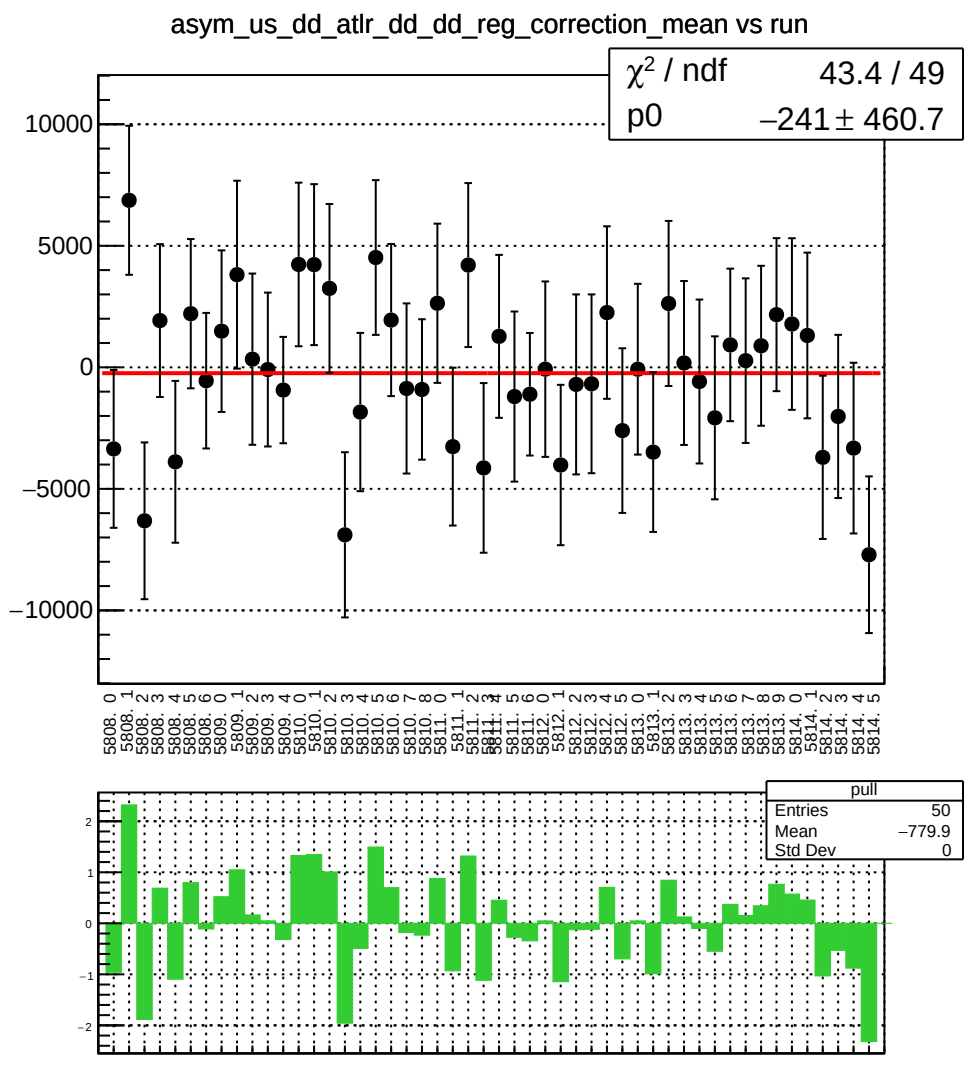

pull1D
Entries 50
Mean −0.08678
Std Dev 0.9259

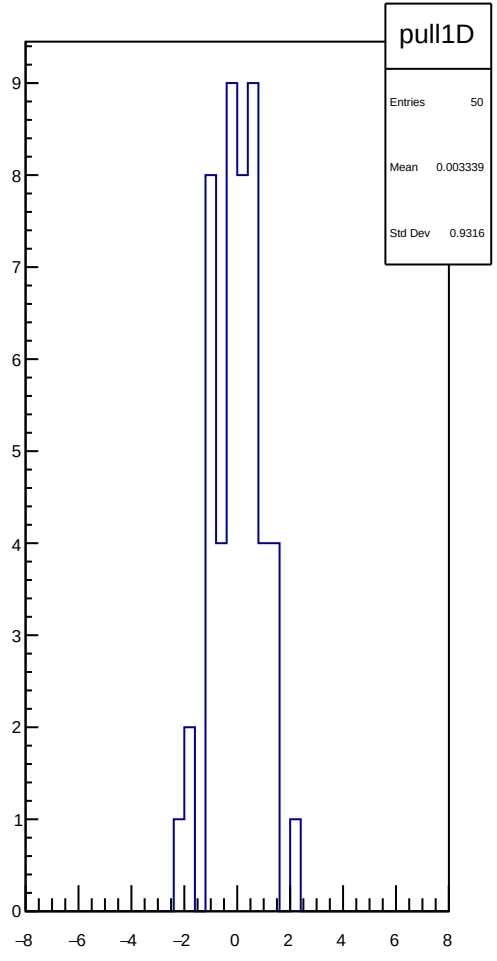

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.729e+05 / 49
p0 3.577e−11 ± 4.34e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

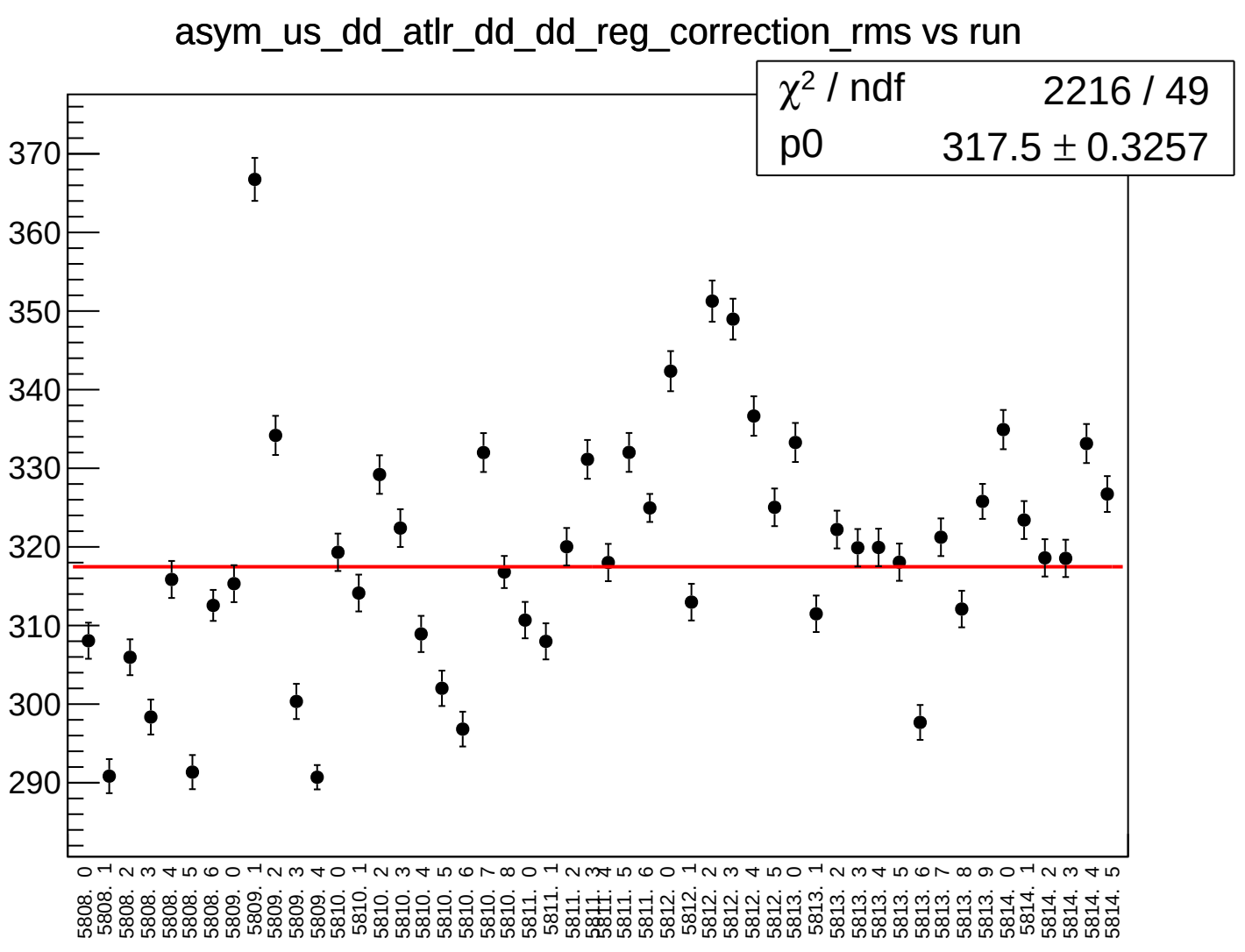

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.53 / 49
p0 1491 ± 1773
pull
Entries 50
Mean 617.9
Std Dev 0

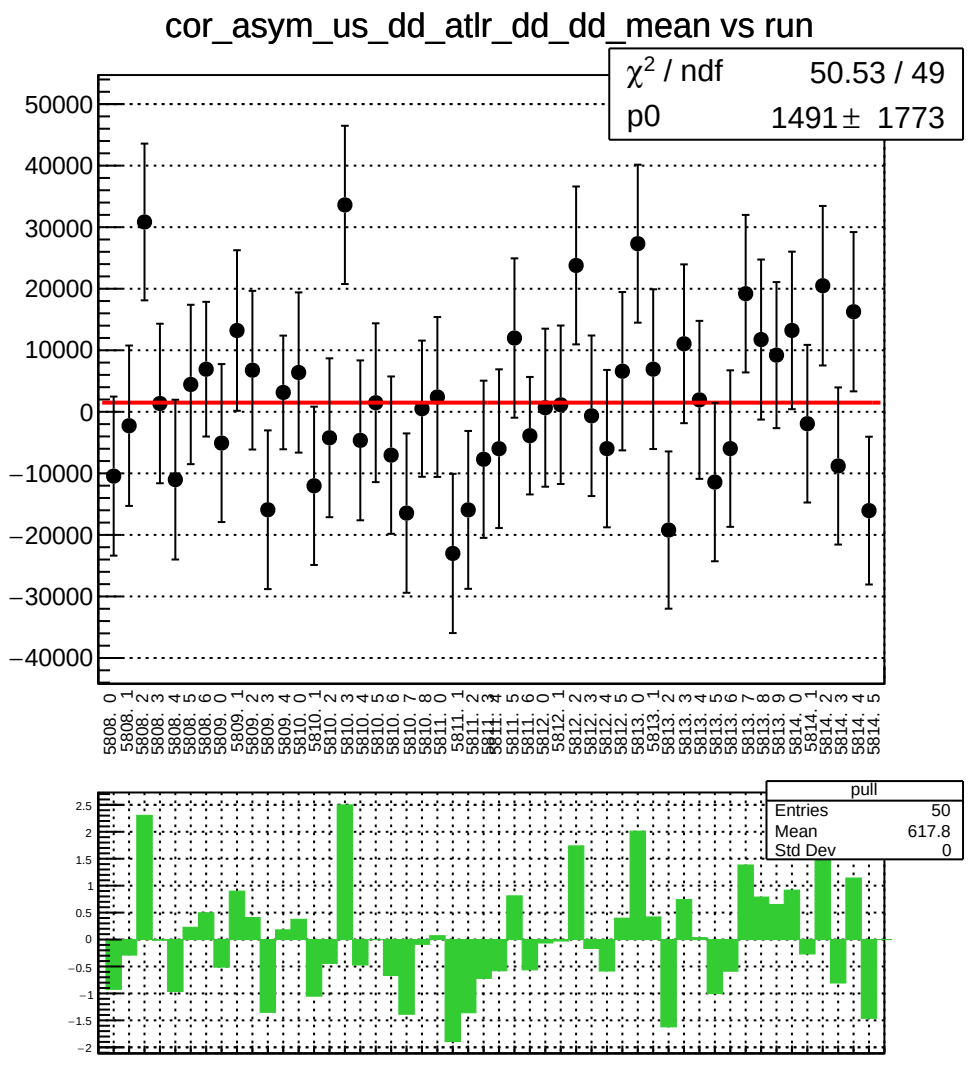

pull1D
Entries 50
Mean 0.002141
Std Dev 1.005

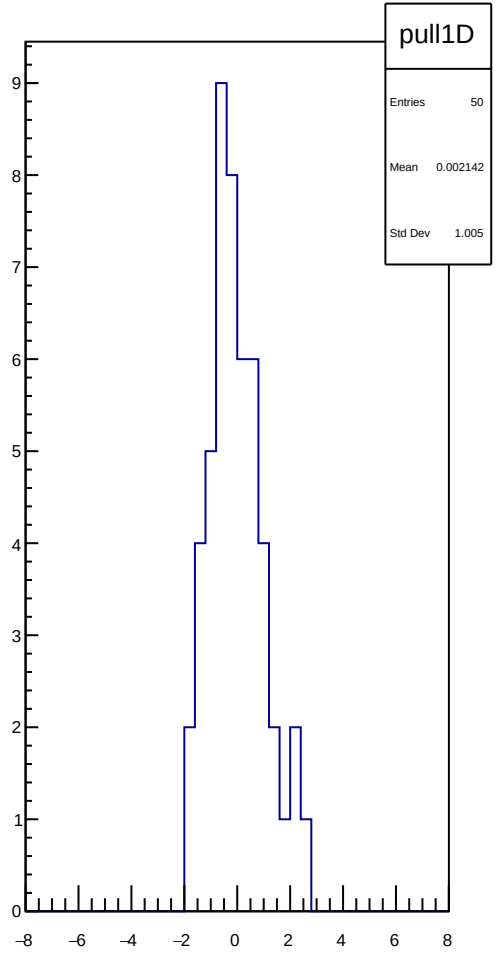

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 40.71 / 49
p0 1223 ± 1.254
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

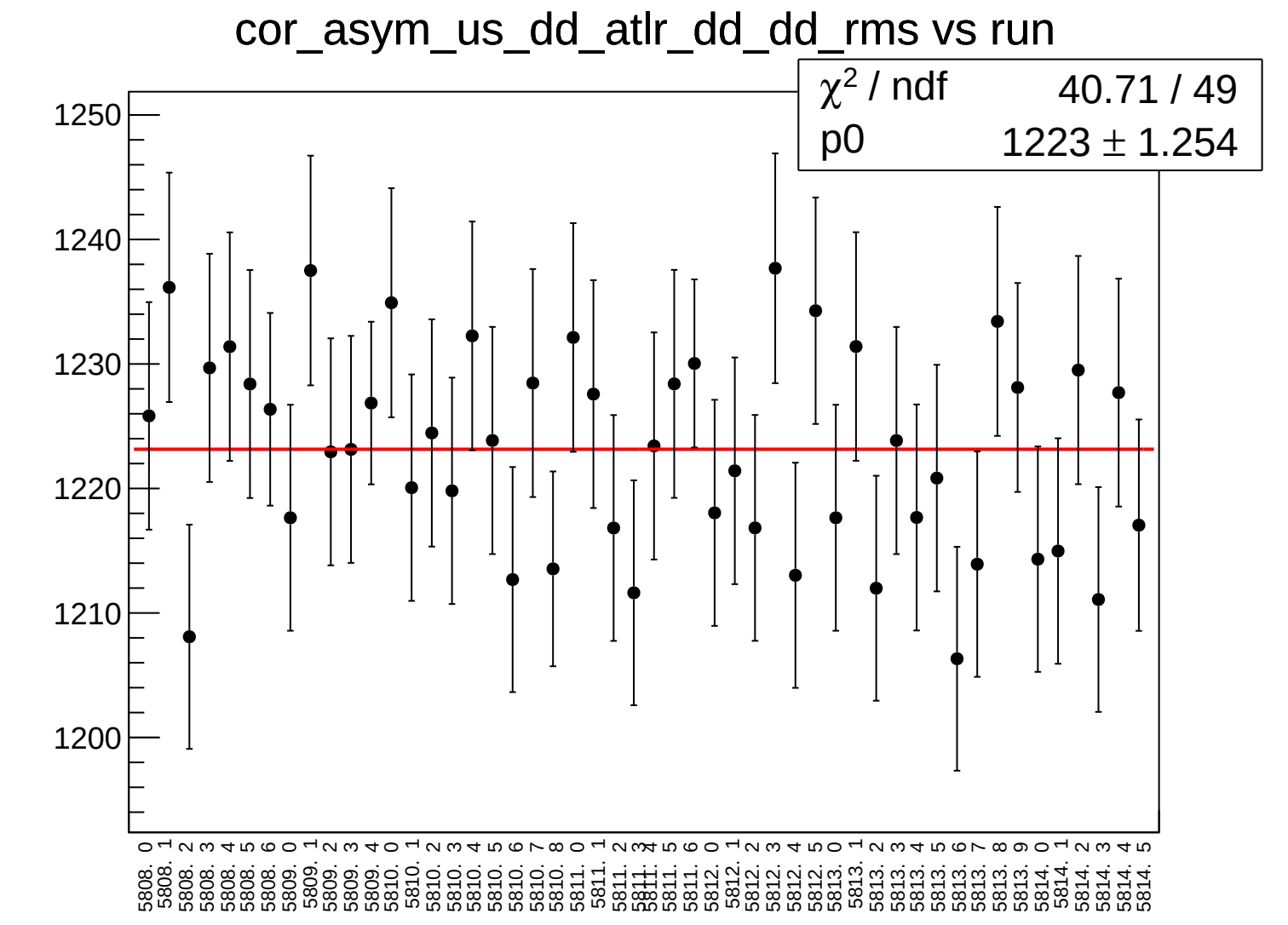

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 43.4 / 49
p0 −241 ± 460.7
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −779.9
Std Dev 0

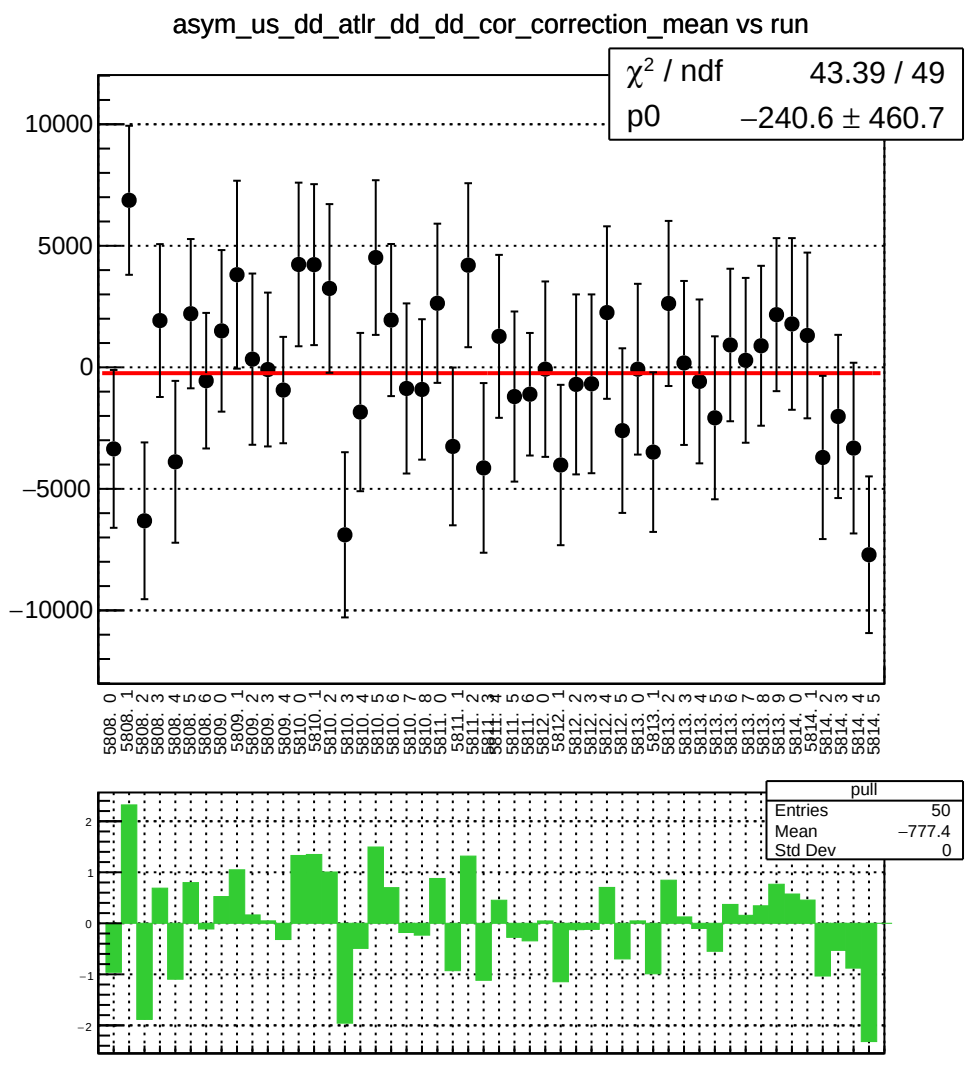

pull1D
Entries 50
Mean 0.003339
Std Dev 0.9316

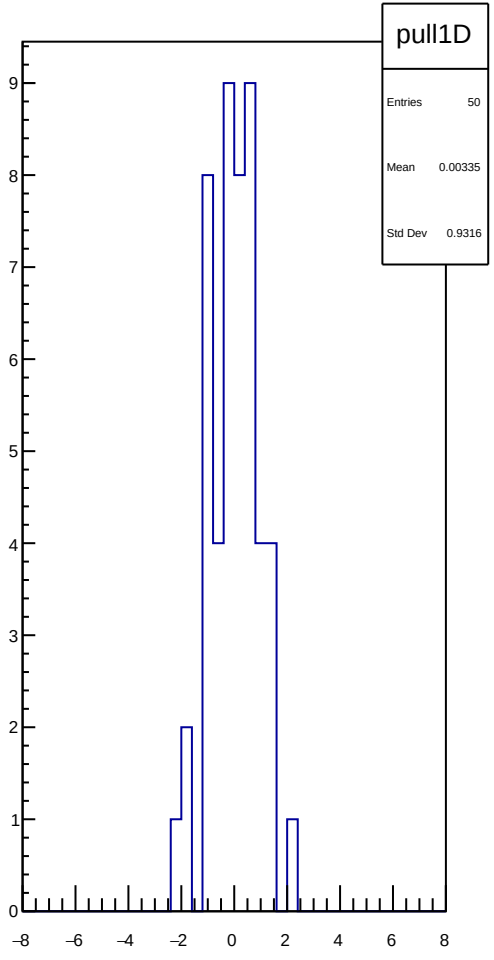

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 2216 / 49
p0 317.5 ± 0.3257
370
360
350
340
330
320
310
300
290
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

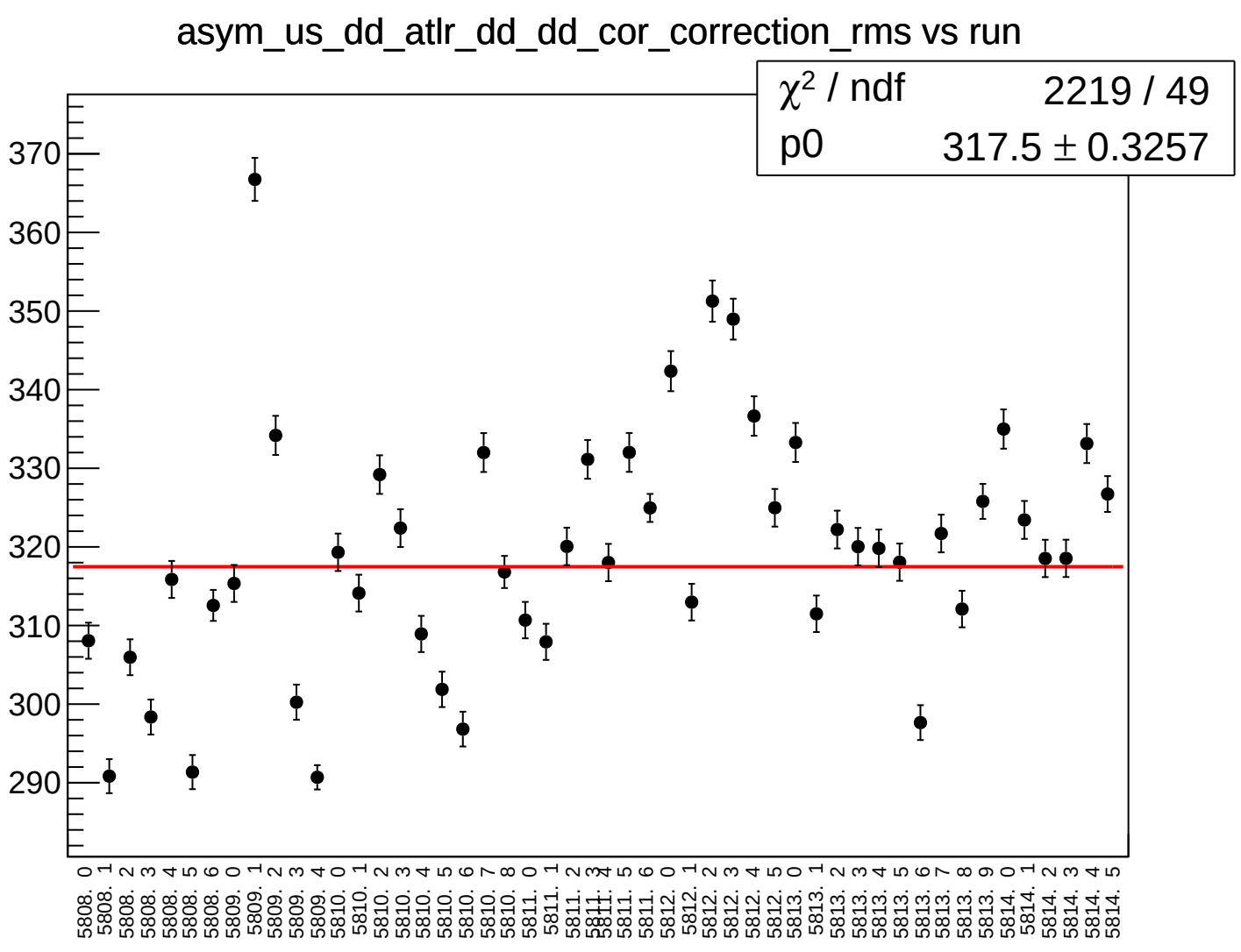

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.53 / 49
p0 1491 ± 1773
pull
Entries 50
Mean 617.8
Std Dev 0


pull1D
Entries 50
Mean 0.002142
Std Dev 1.005


cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 40.71 / 49
p0 1223 ± 1.254
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 43.39 / 49
p0 −240.6 ± 460.7
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −777.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.00335
Std Dev 0.9316
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 2219 / 49
p0 317.5 ± 0.3257
370
360
350
340
330
320
310
300
290
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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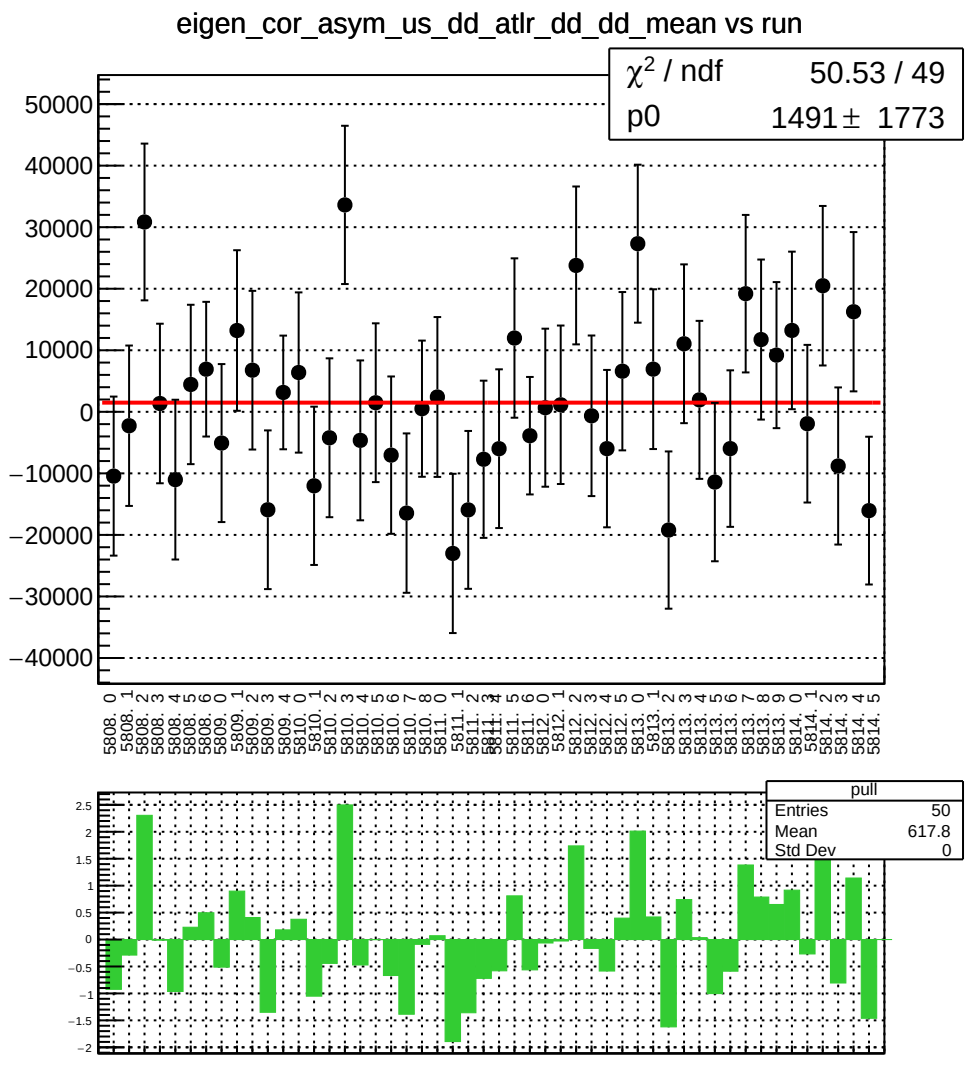
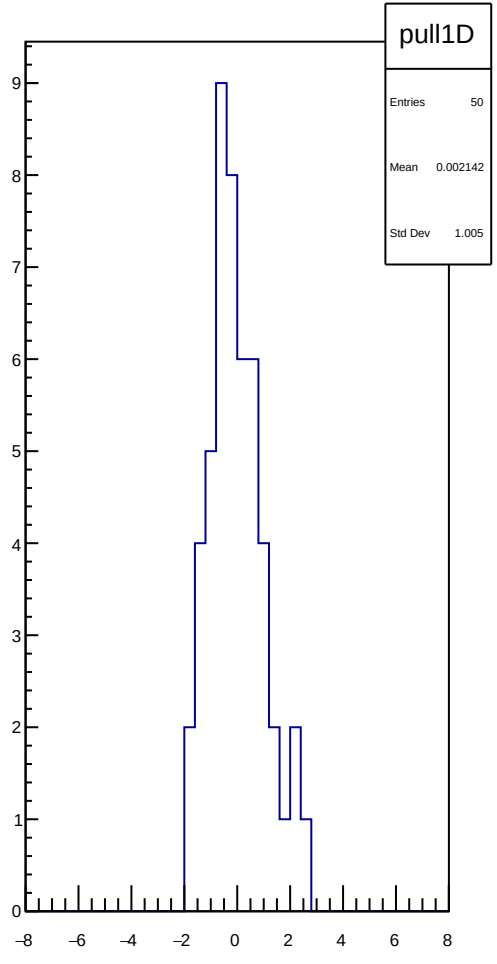
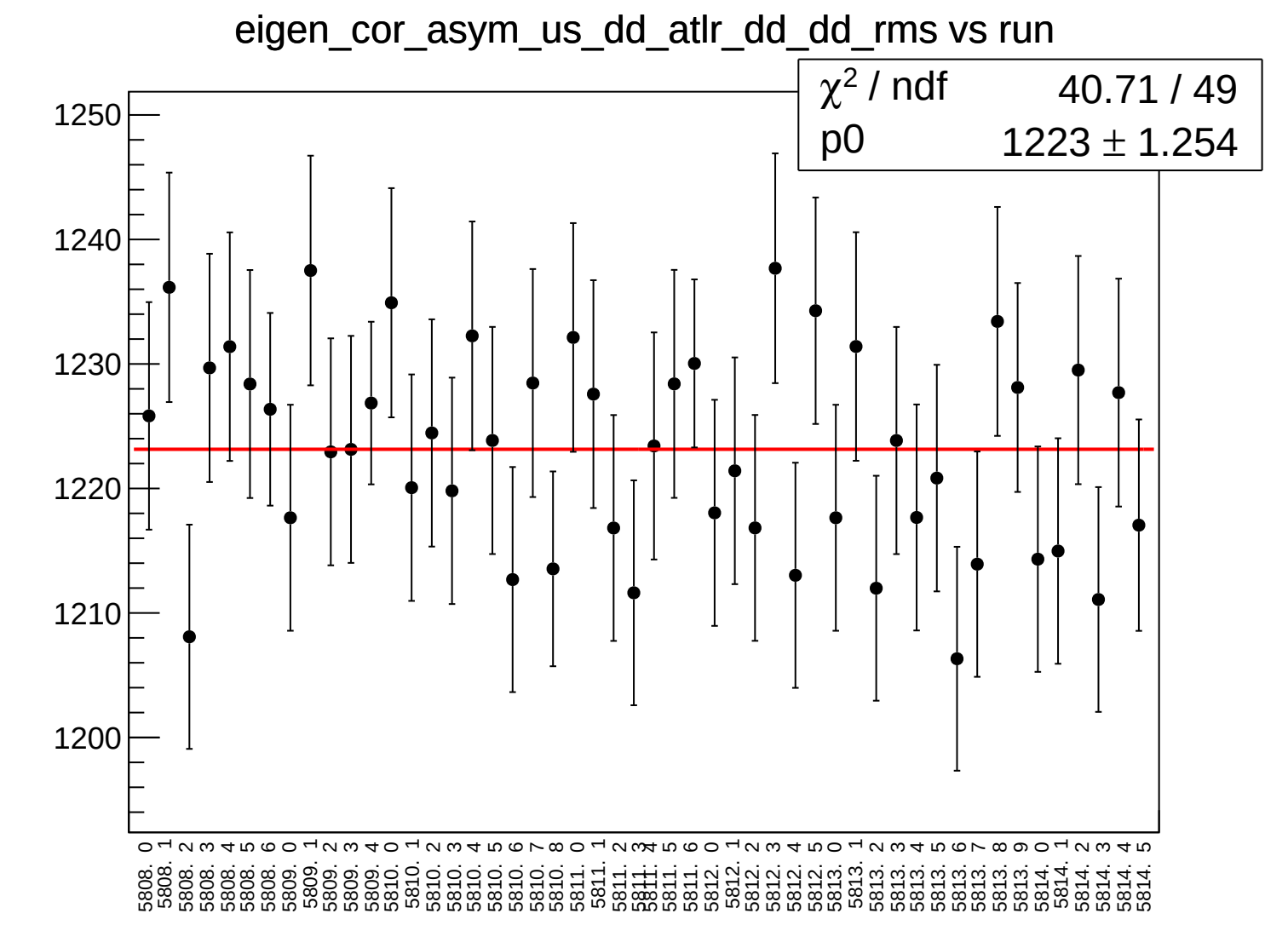
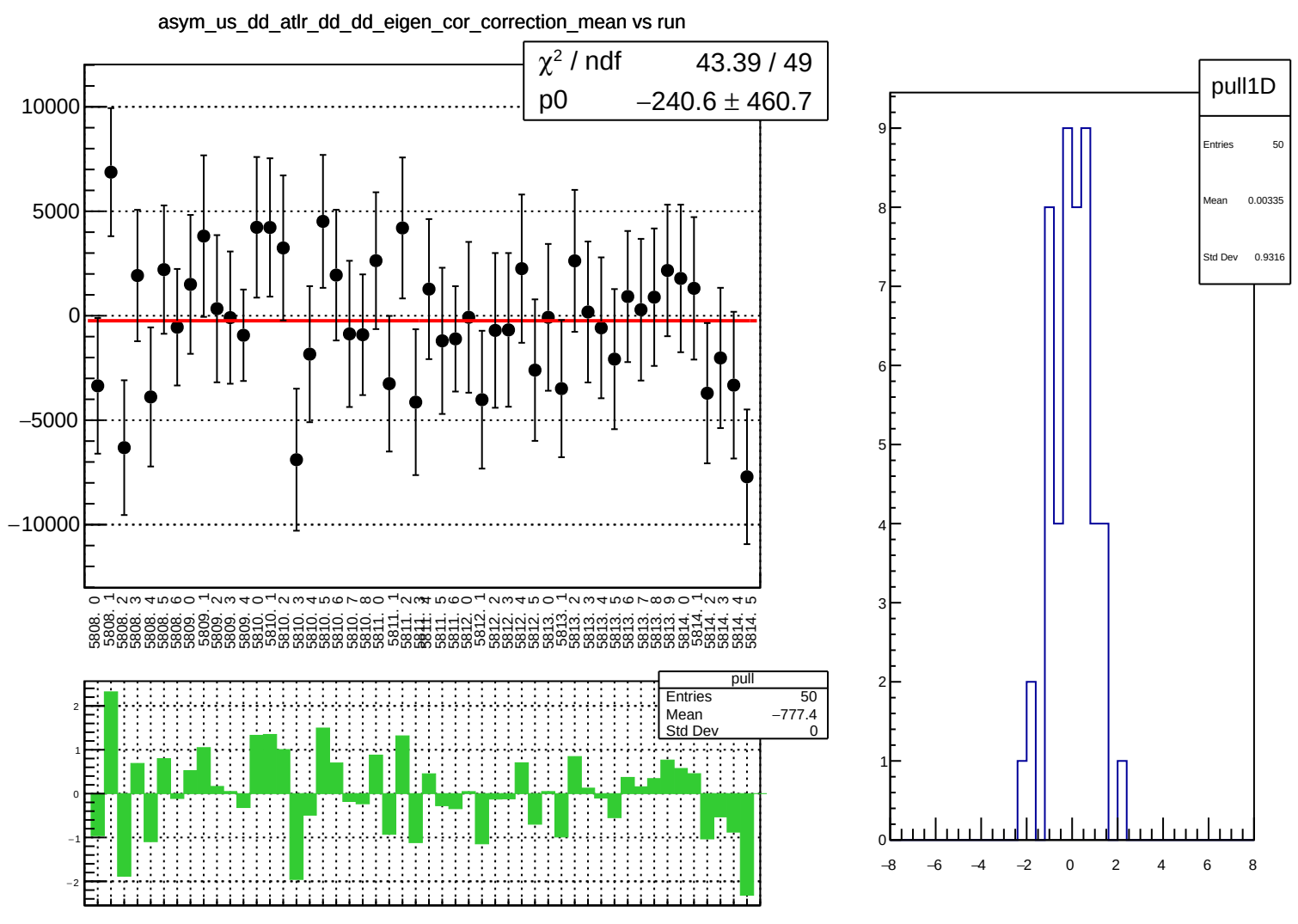
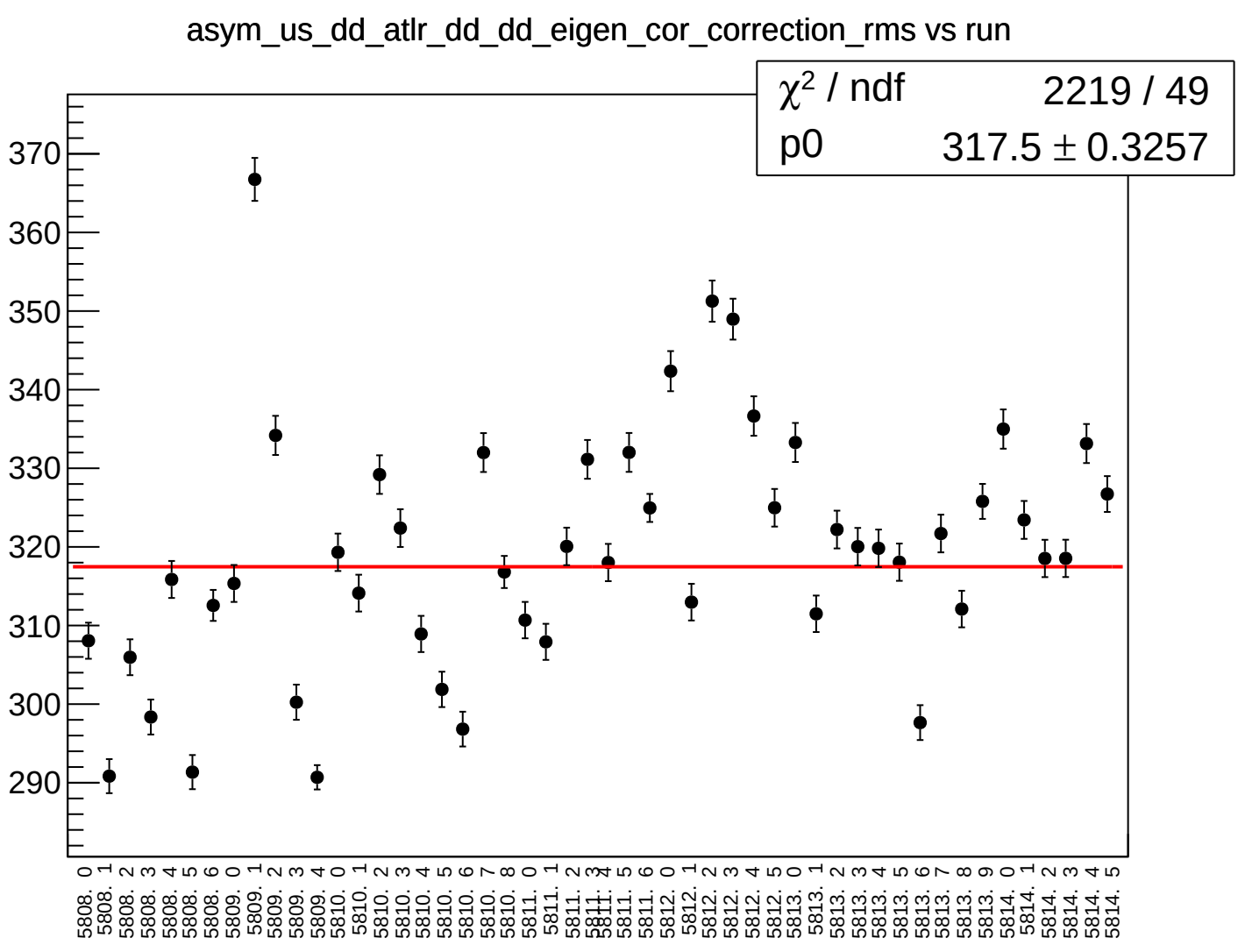
5814. 4
5814. 5

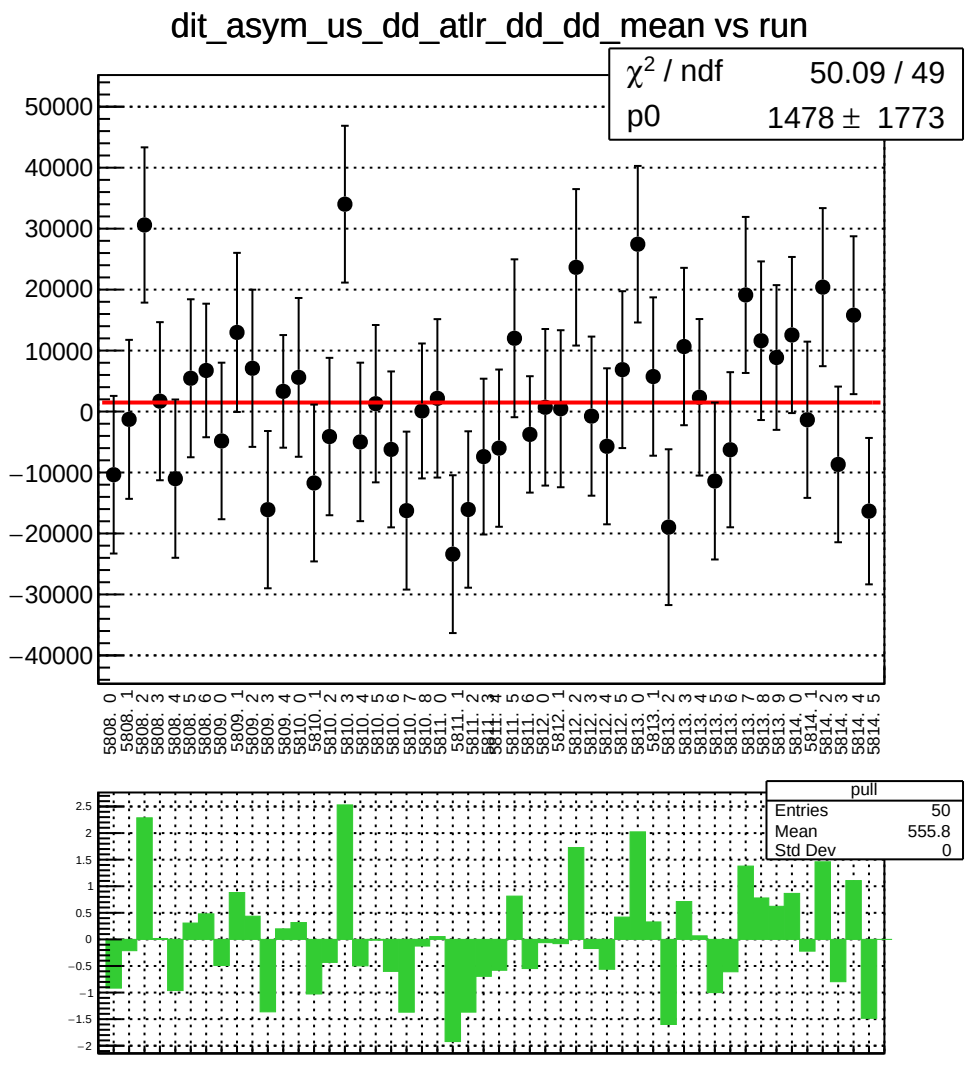

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.53 / 49
p0 1491 ± 1773
pull
Entries 50
Mean 617.8
Std Dev 0

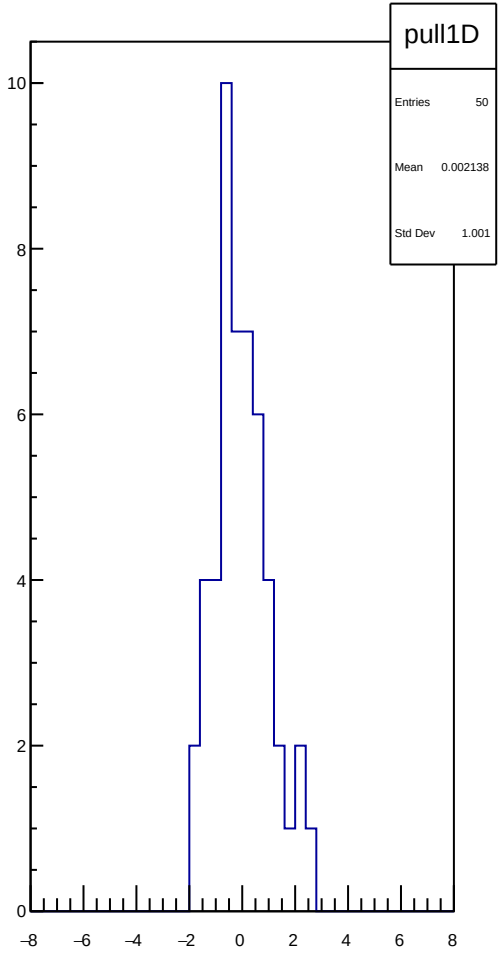

pull1D
Entries 50
Mean 0.002142
Std Dev 1.005

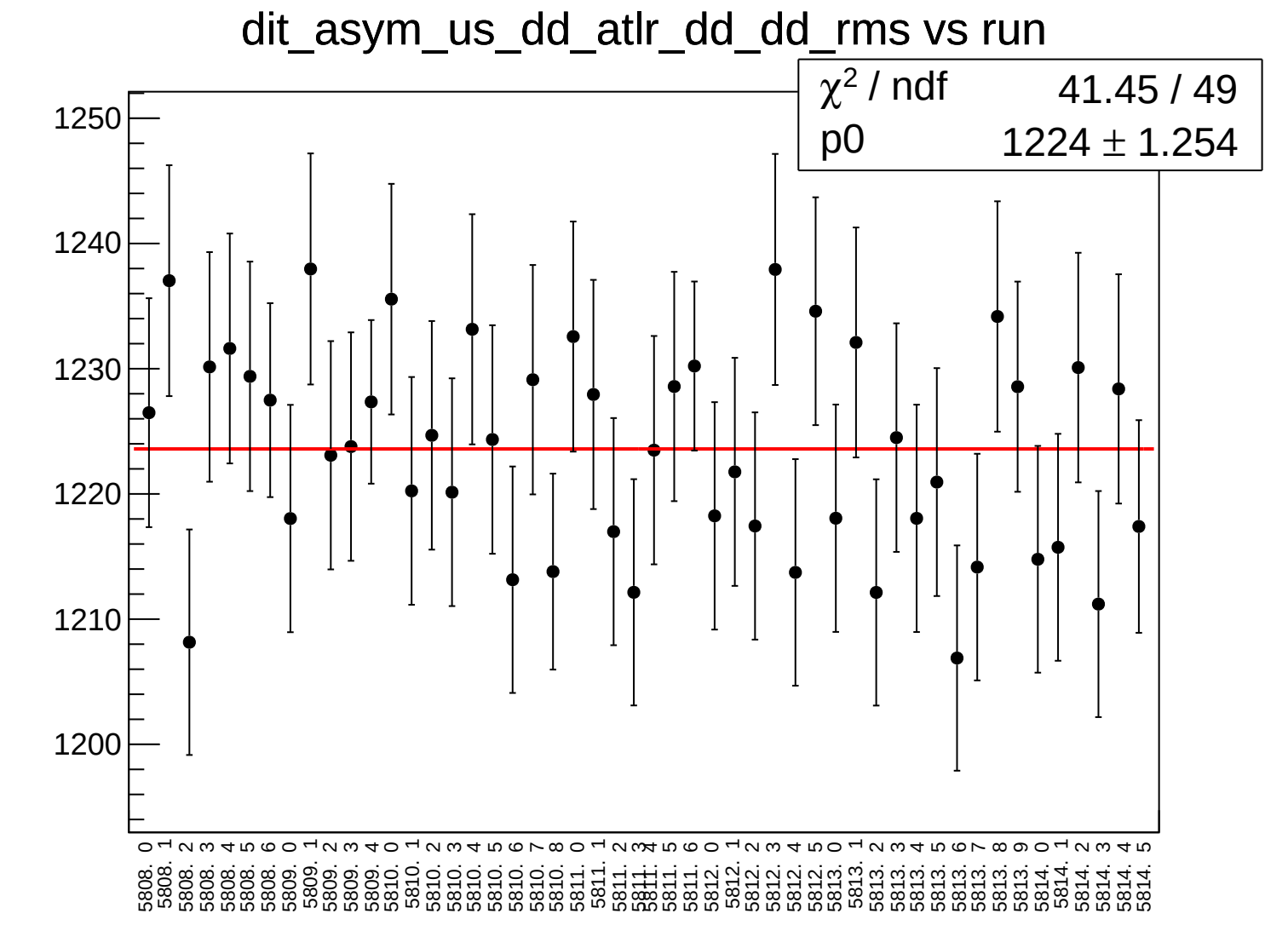

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 40.71 / 49
p0 1223 ± 1.254
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

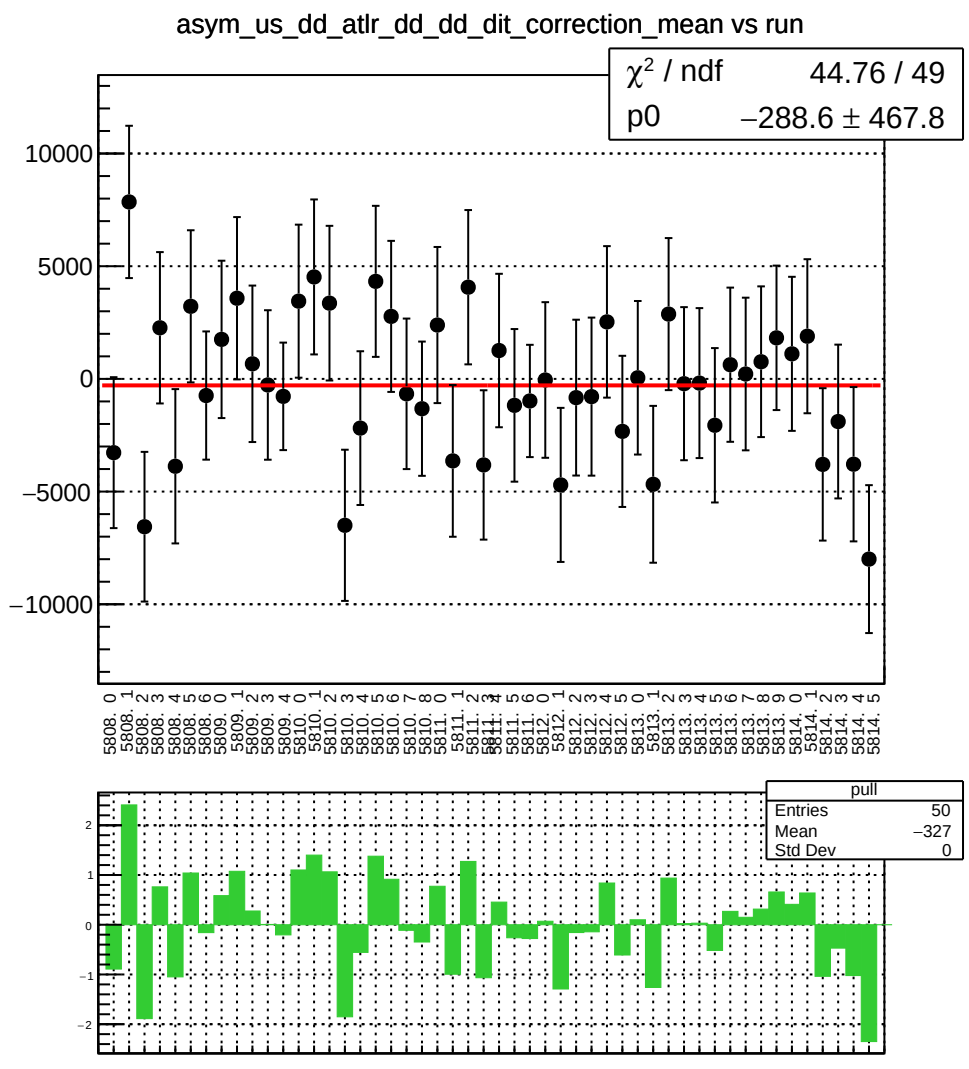

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.39 / 49
p0 −240.6 ± 460.7
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −777.4
Std Dev 0
pull1D
Entries 50
Mean 0.00335
Std Dev 0.9316

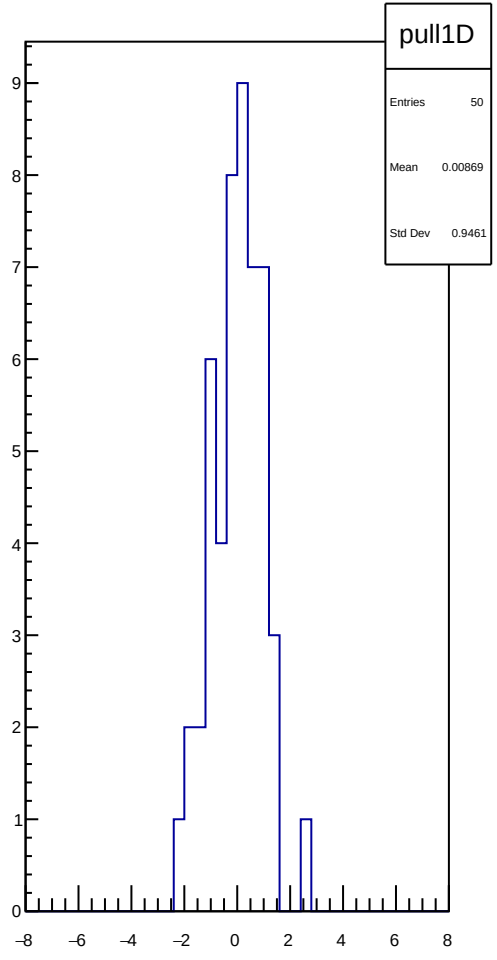

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2219 / 49
p0 317.5 ± 0.3257
370
360
350
340
330
320
310
300
290
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

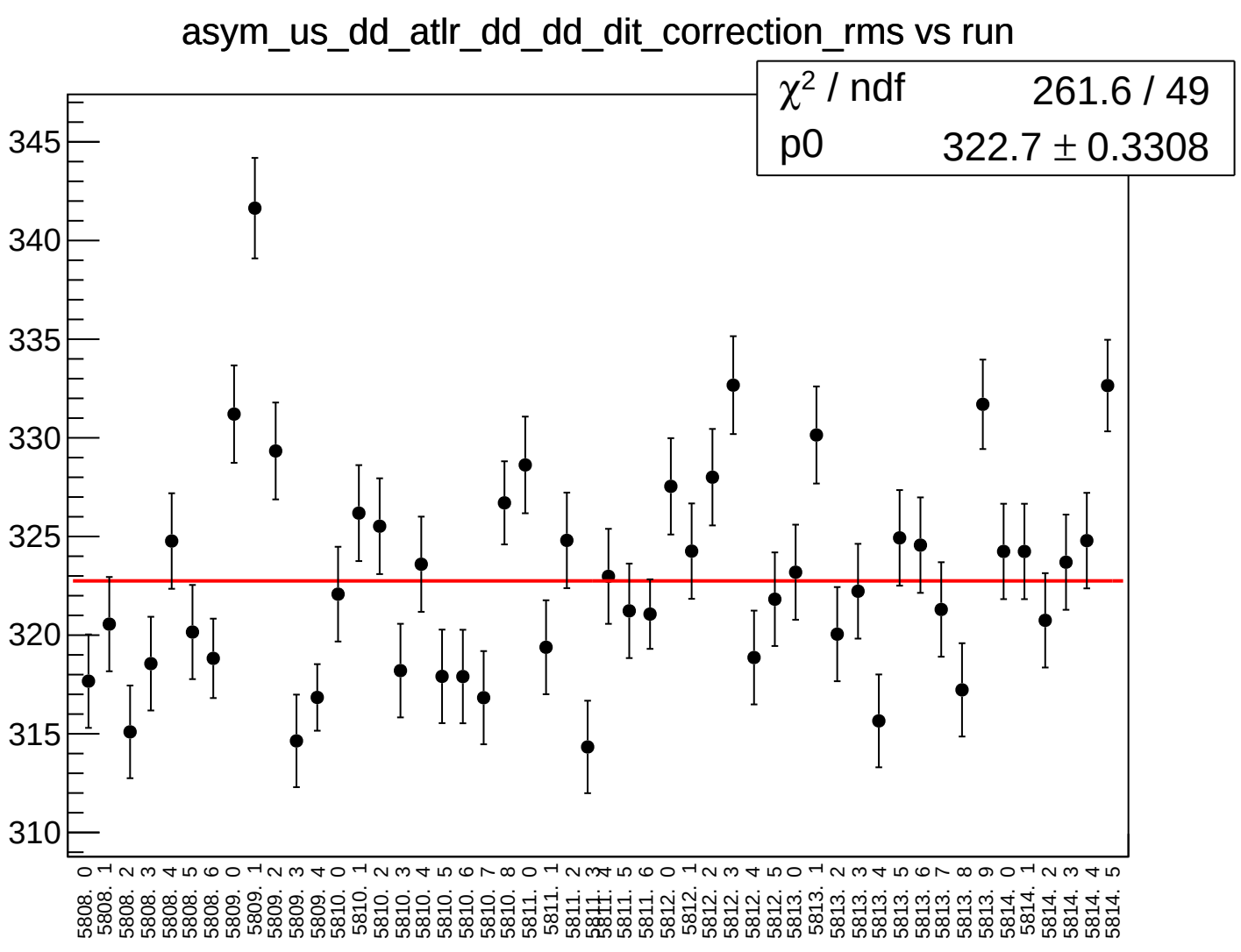

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.09 / 49
p0 1478 ± 1773
pull
Entries 50
Mean 555.8
Std Dev 0

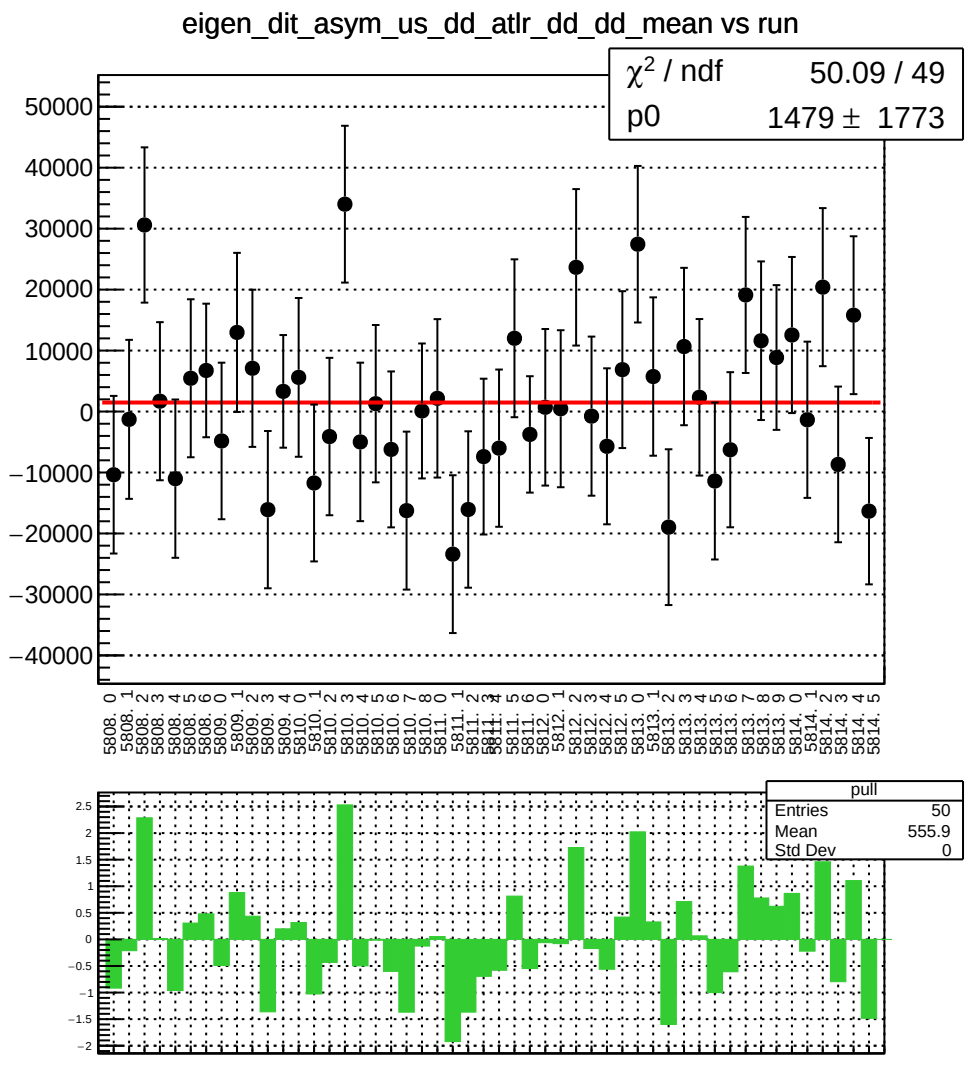

pull1D
Entries 50
Mean 0.002138
Std Dev 1.001

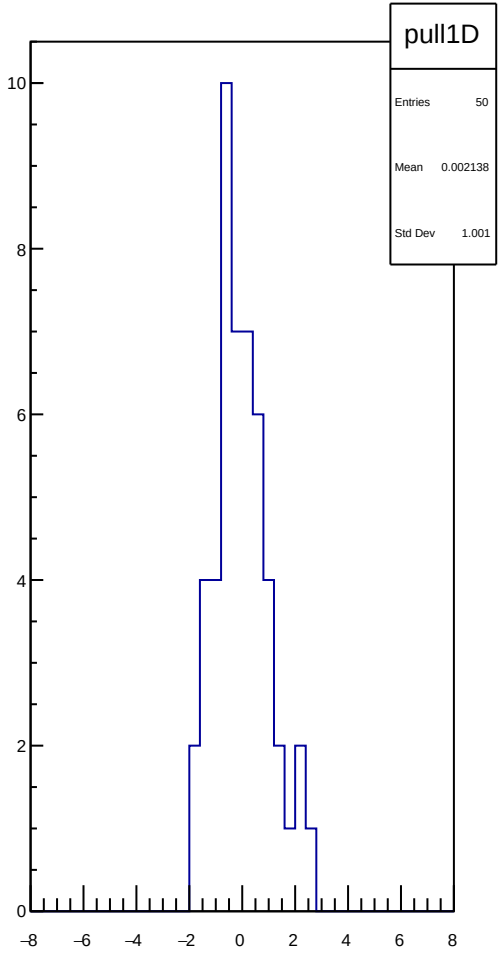

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 41.45 / 49
p0 1224 ± 1.254
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

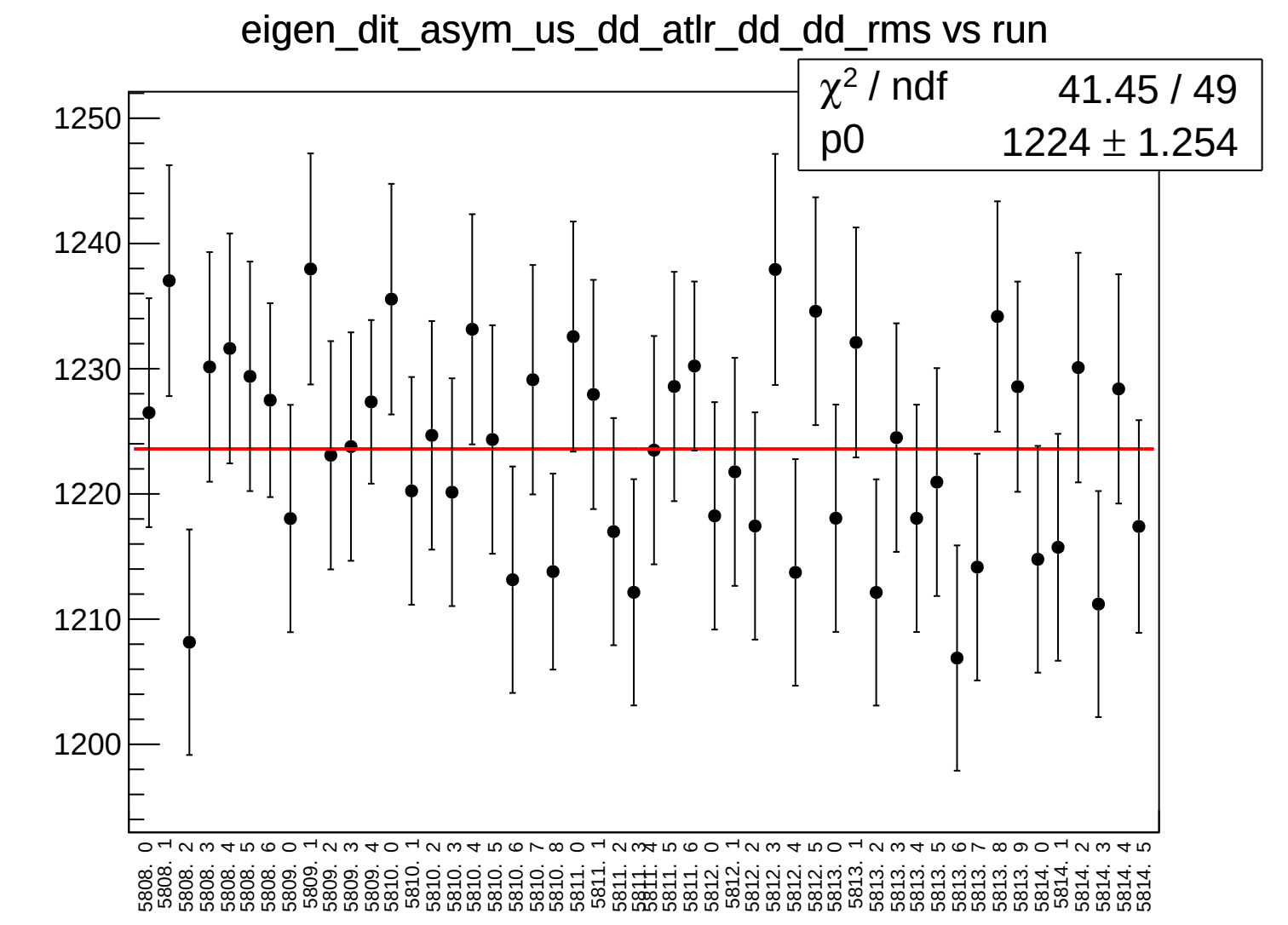

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 44.76 / 49
p0 −288.6 ± 467.8
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −327
Std Dev 0
2
1
0
−1
−2

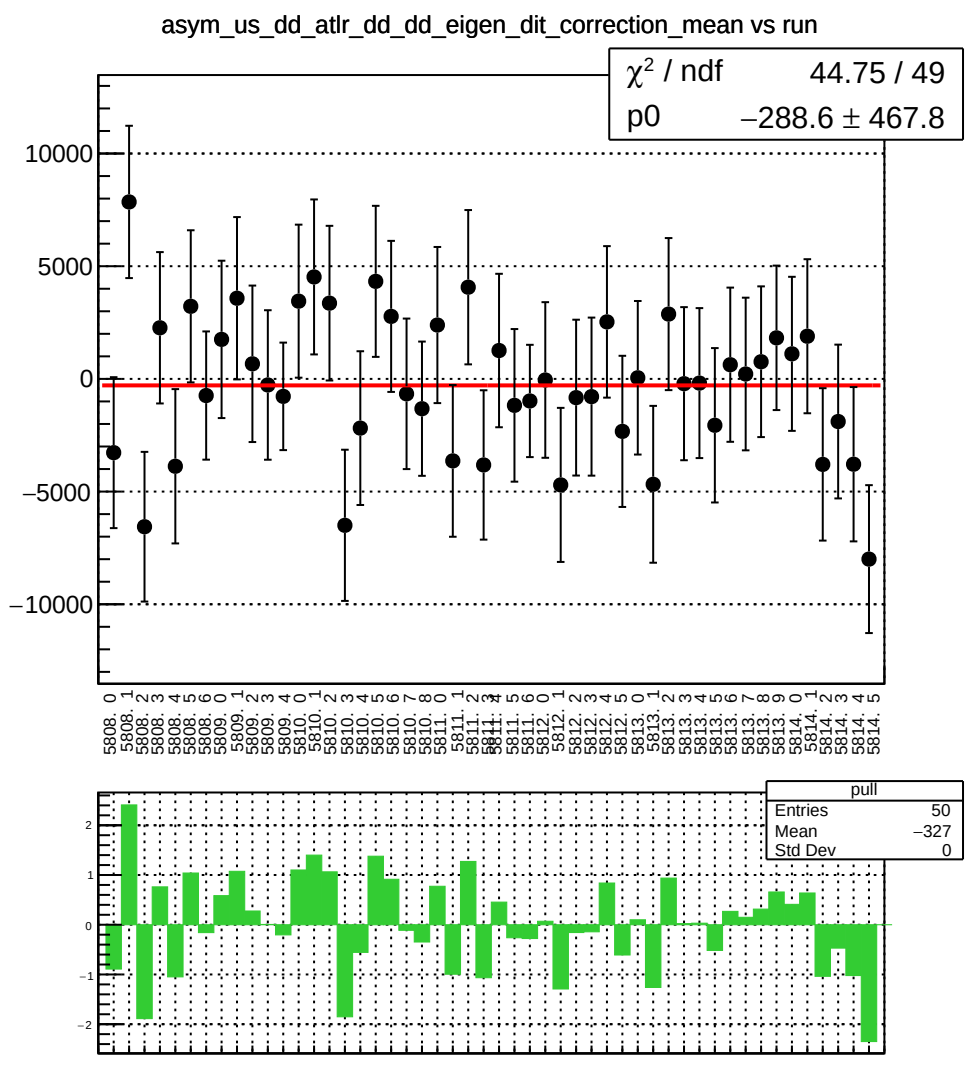

pull1D
Entries 50
Mean 0.00869
Std Dev 0.9461
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

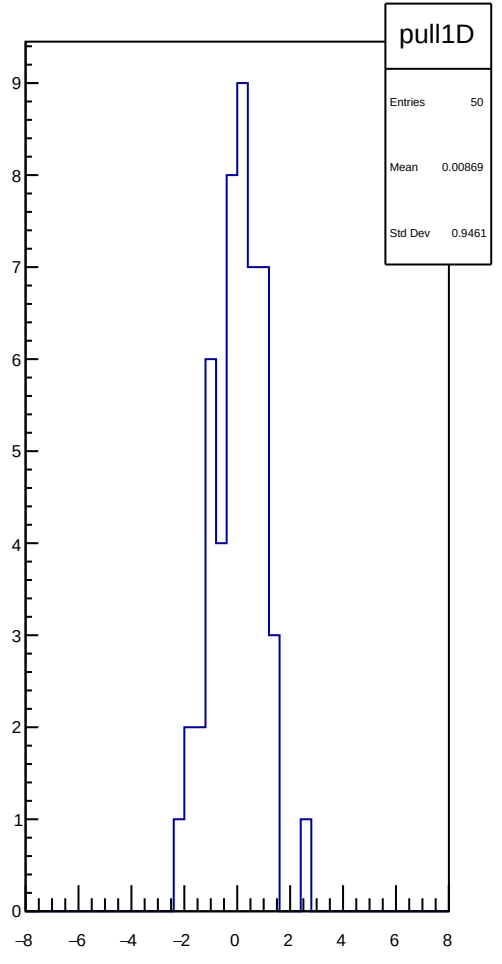

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 261.6 / 49
p0 322.7 ± 0.3308
345
340
335
330
325
320
315
310
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

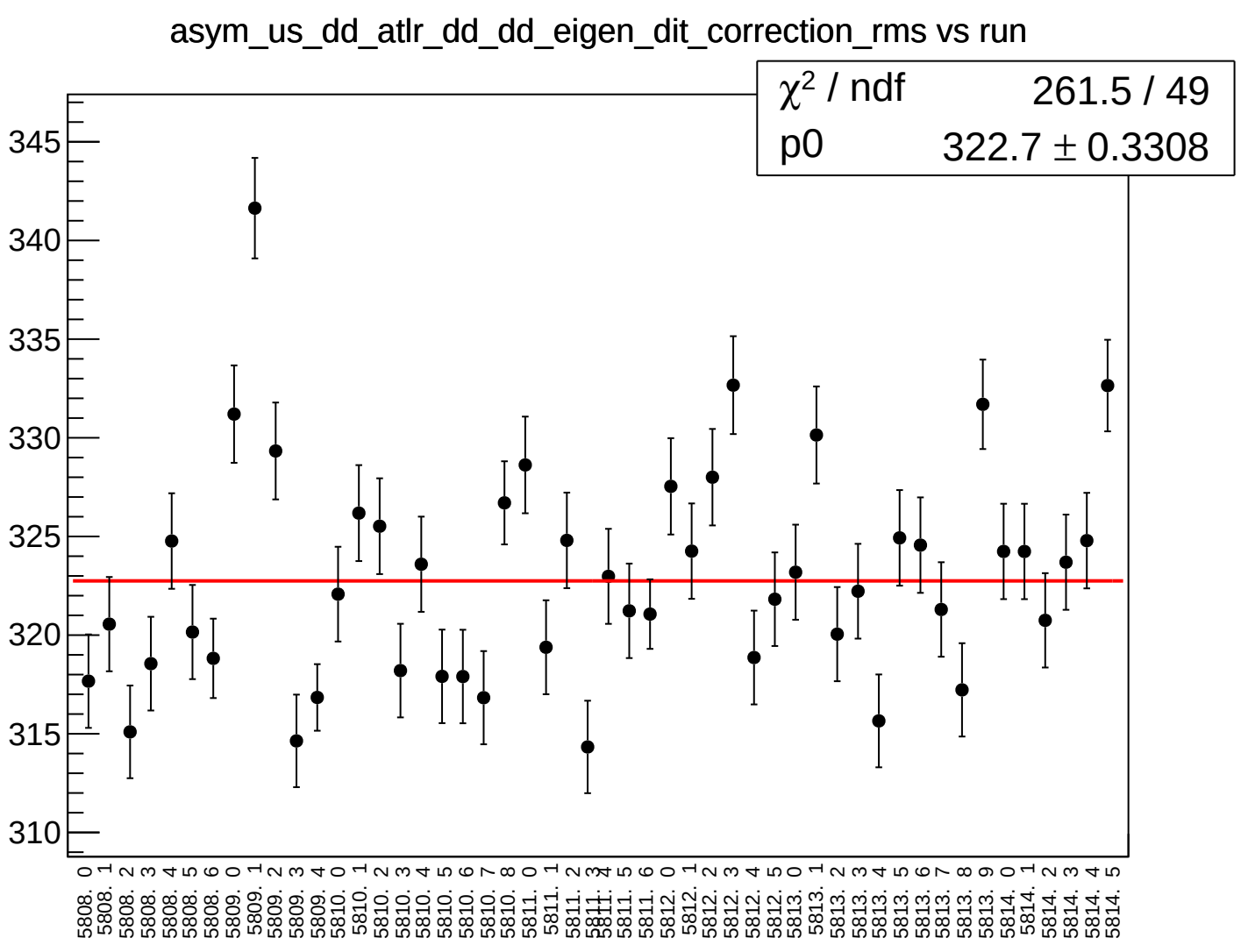

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 50.09 / 49
p0 1479 ± 1773
pull
Entries 50
Mean 555.9
Std Dev 0

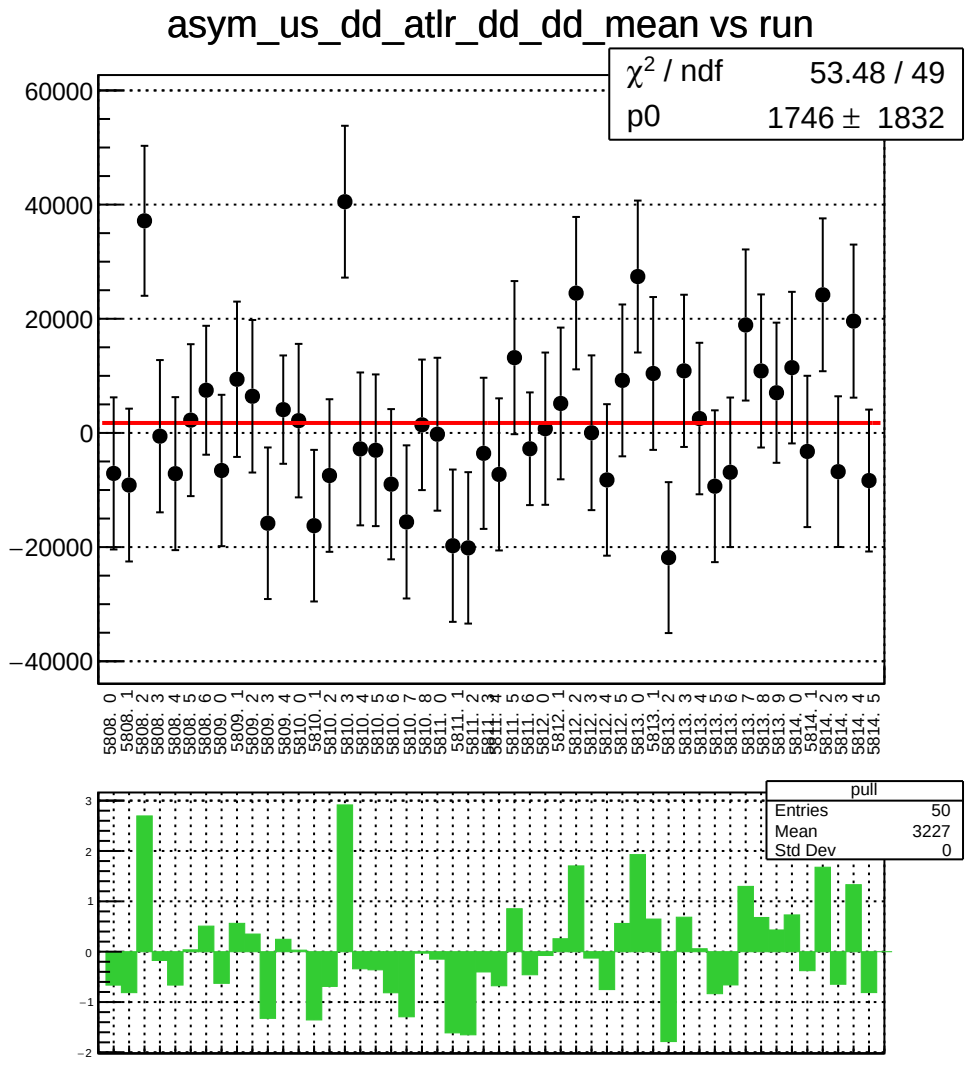

pull1D
Entries 50
Mean 0.002138
Std Dev 1.001

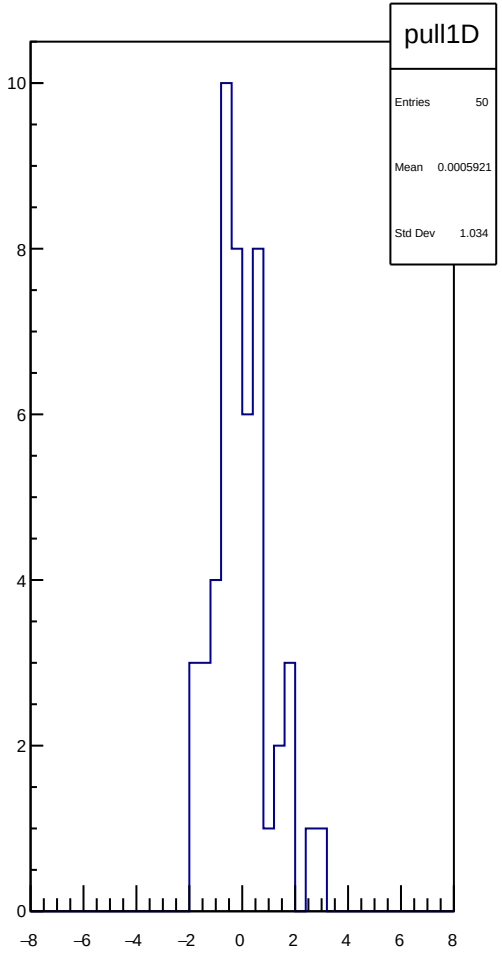

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ^2 / ndf 41.45 / 49
p0 1224 ± 1.254
1250
1240
1230
1220
1210
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

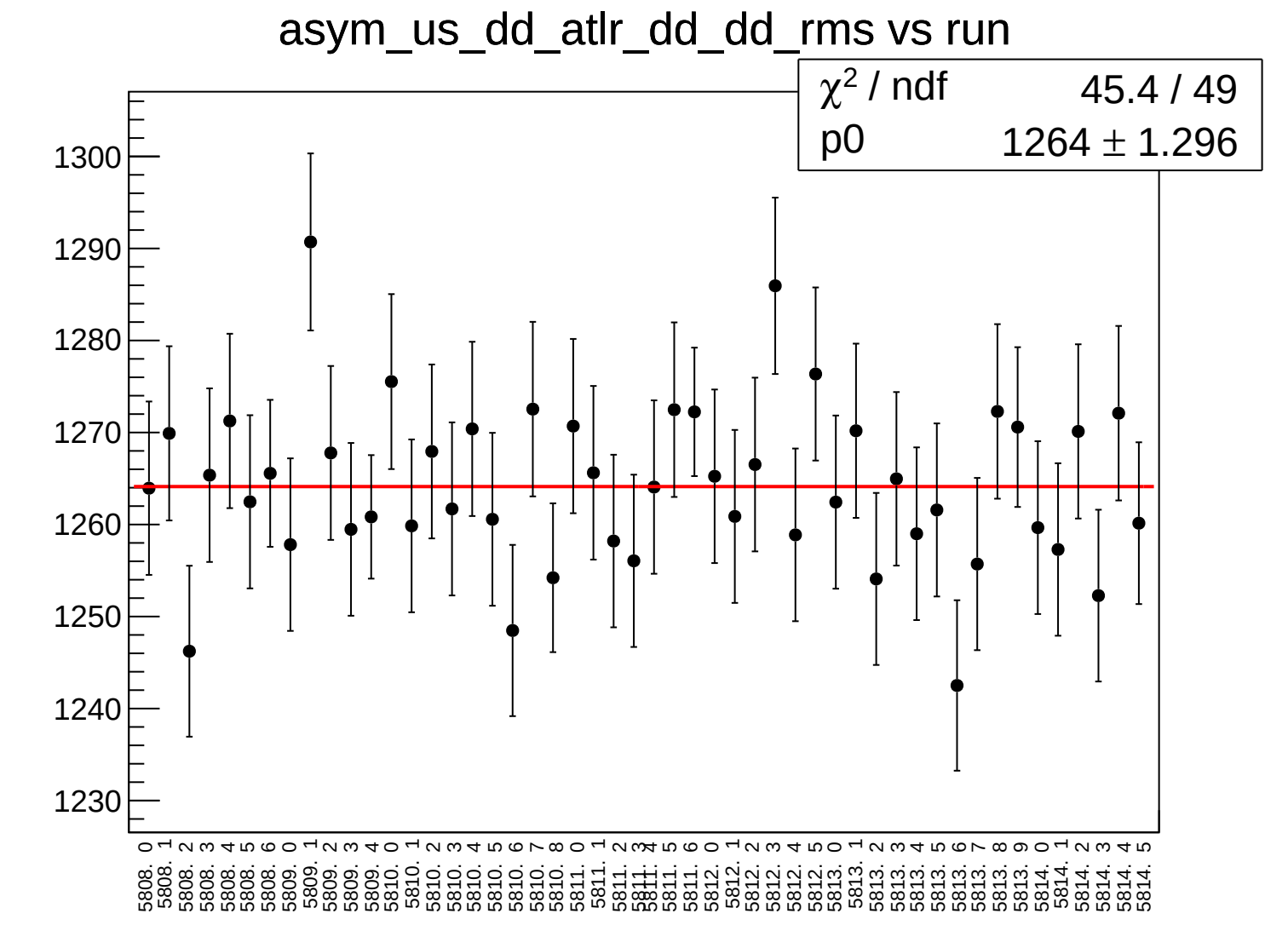

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 44.75 / 49
p0 −288.6 ± 467.8
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −327
Std Dev 0

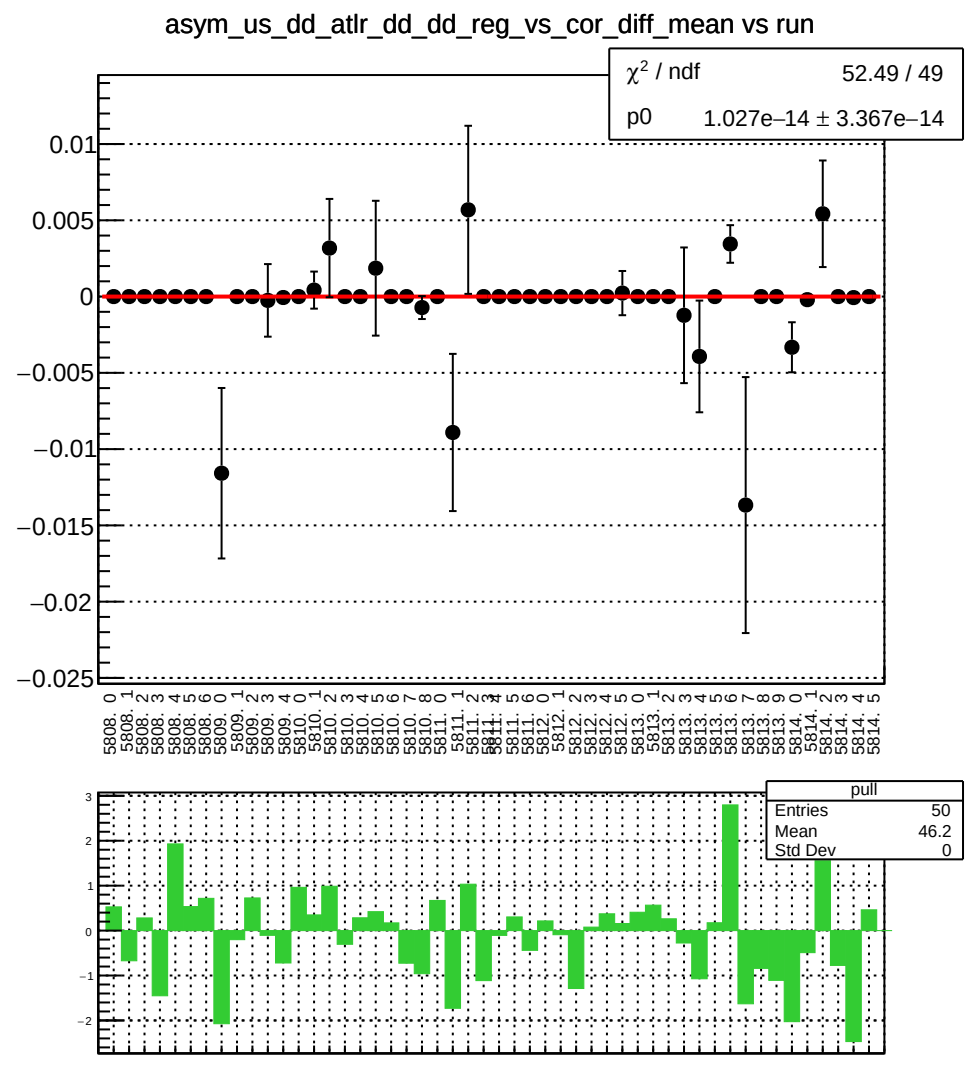

pull1D
Entries 50
Mean 0.00869
Std Dev 0.9461

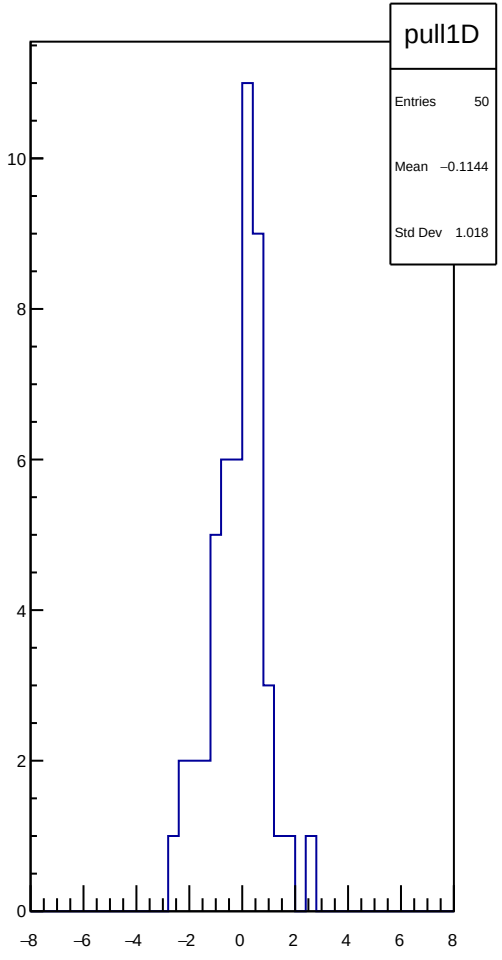

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 261.5 / 49
p0 322.7 ± 0.3308
345
340
335
330
325
320
315
310
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

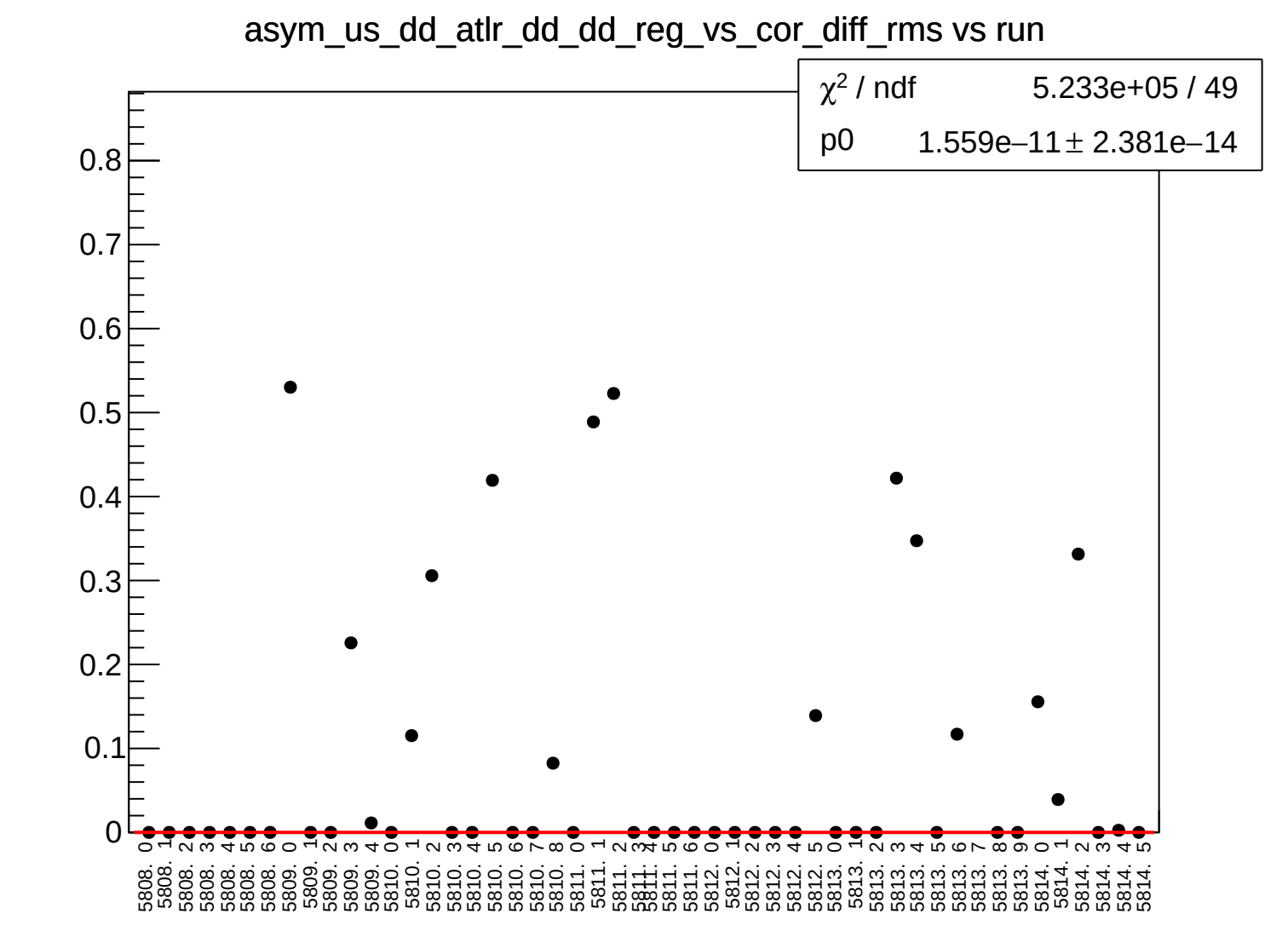

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 53.48 / 49
p0 1746 ± 1832
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3227
Std Dev 0
3
2
1
0
−1
−2

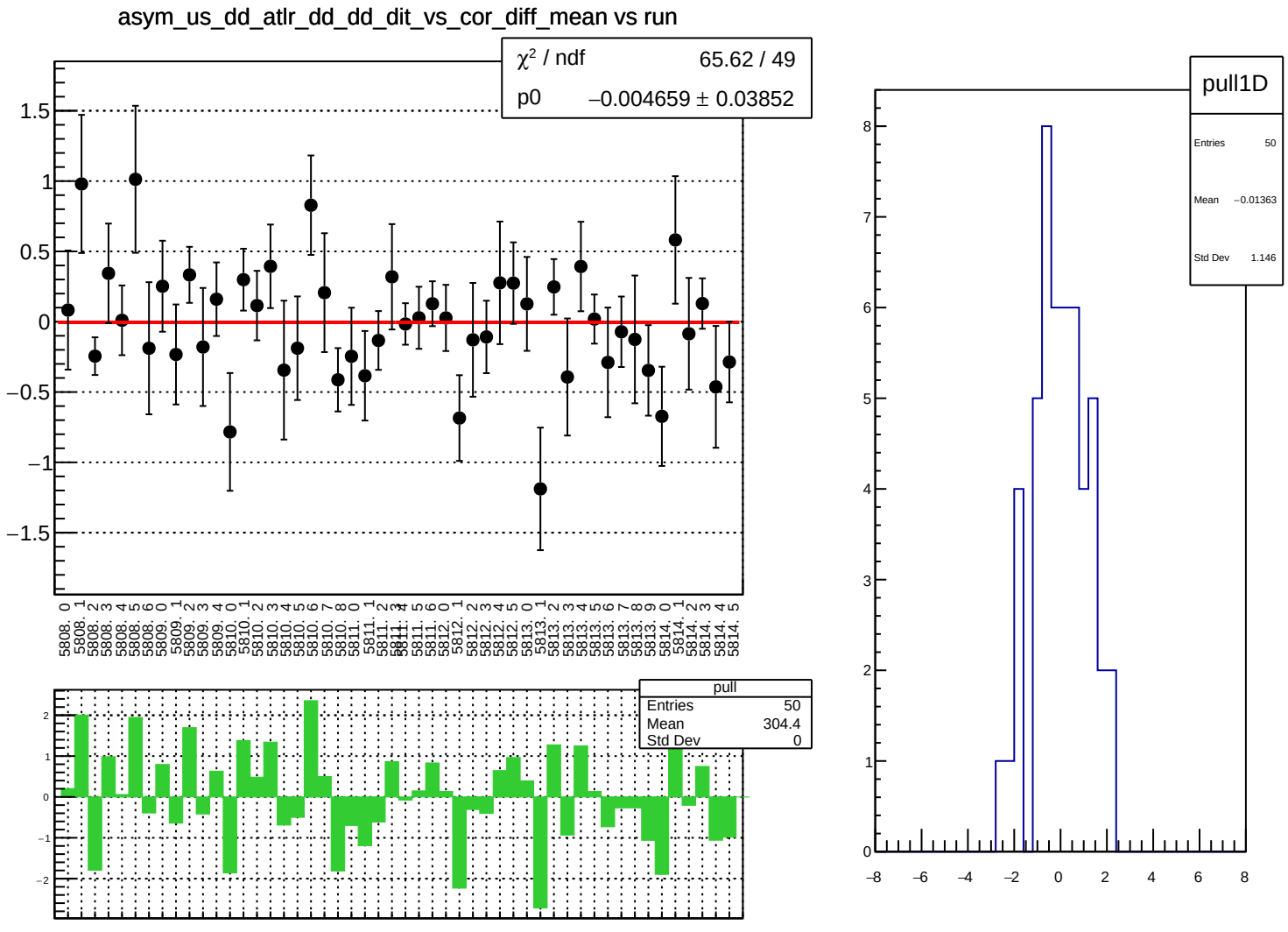

pull1D
Entries 50
Mean 0.0005921
Std Dev 1.034
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

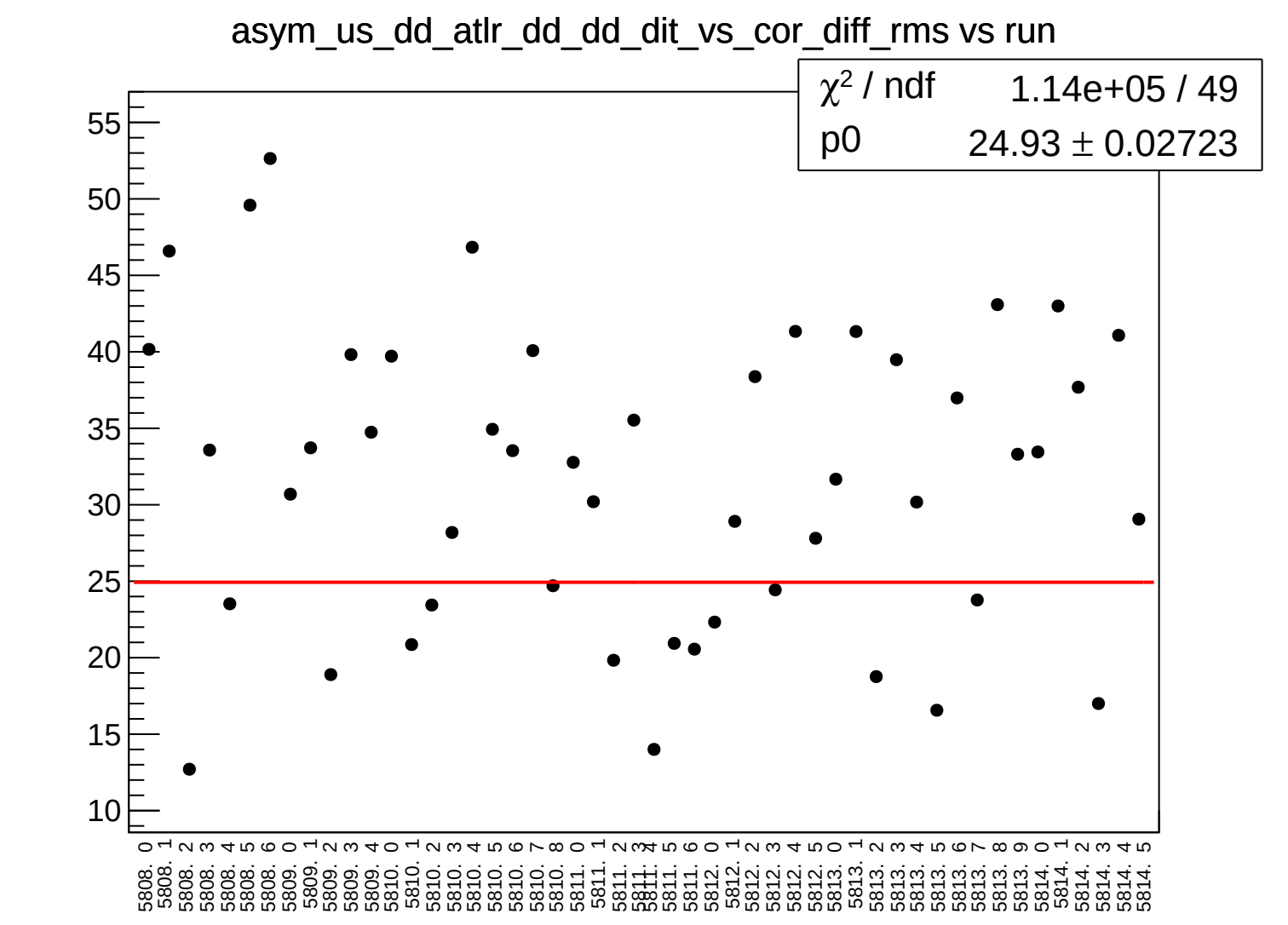

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.4 / 49
p0 1264 ± 1.296
1300
1290
1280
1270
1260
1250
1240
1230
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

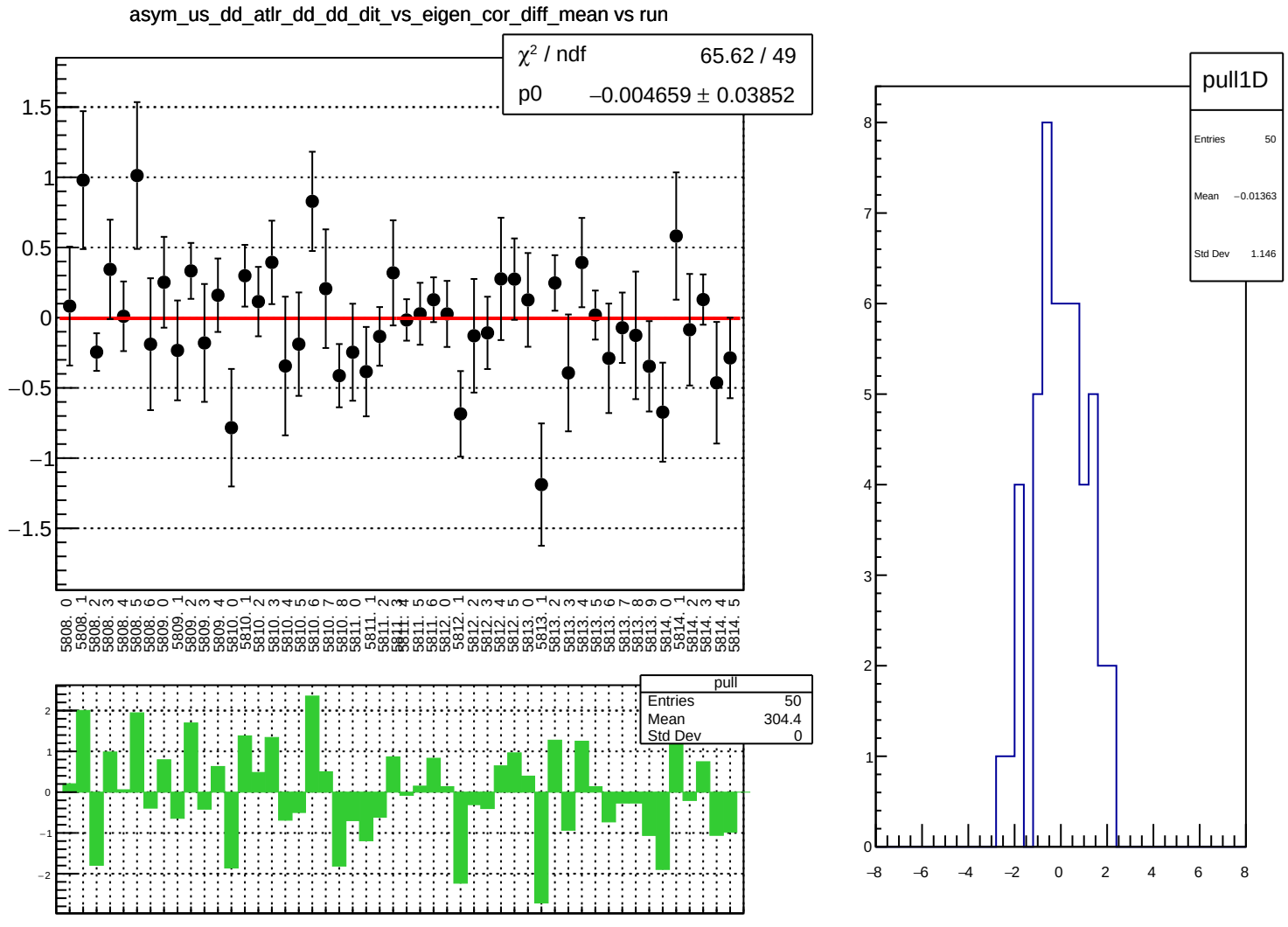

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.49 / 49
p0 1.027e−14 ± 3.367e−14
pull
Entries 50
Mean 46.2
Std Dev 0

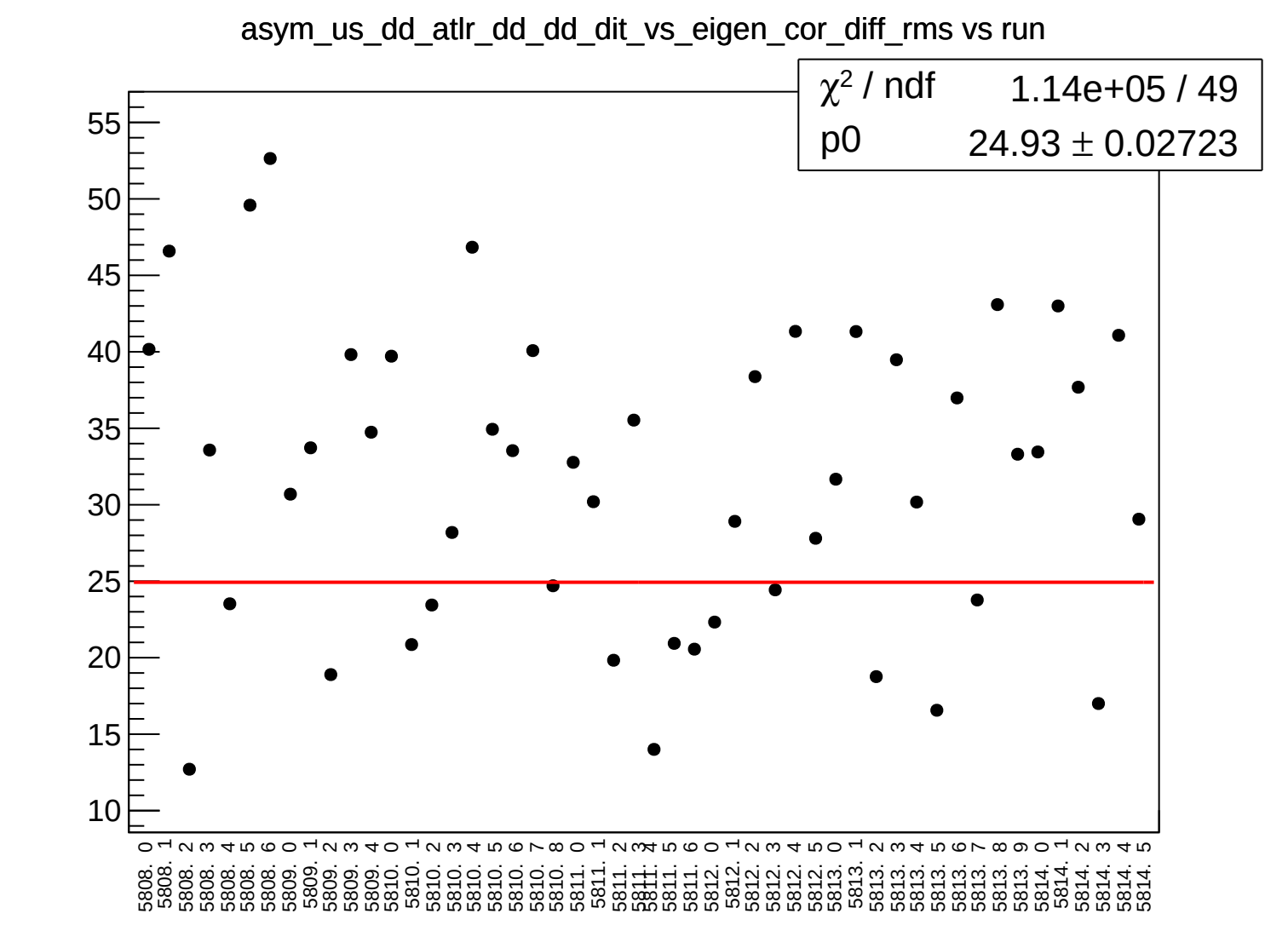

pull1D
Entries 50
Mean −0.1144
Std Dev 1.018

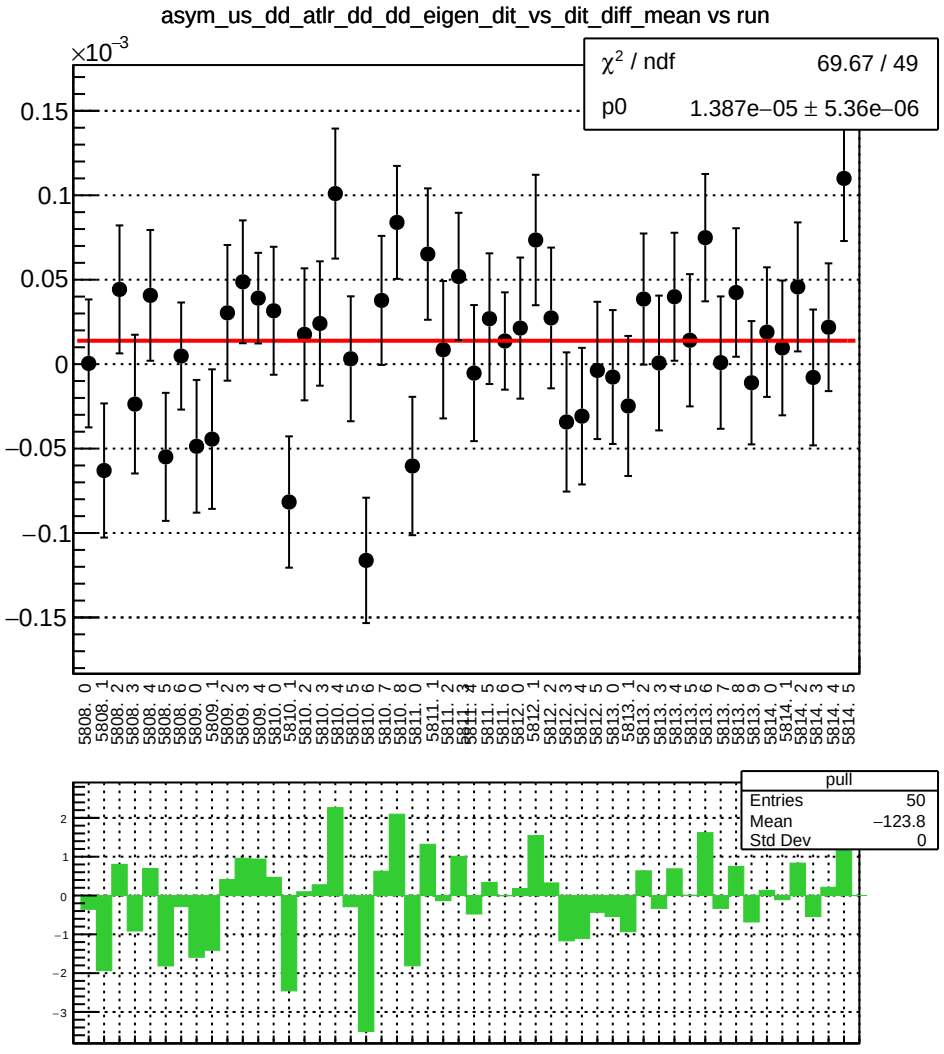

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.233e+05 / 49
p0 1.559e−11 ± 2.381e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

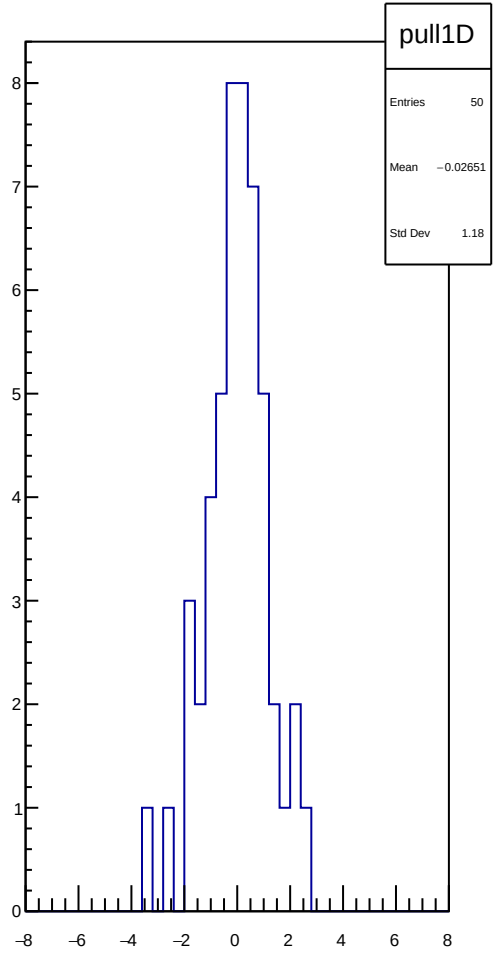

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 65.62 / 49
p0 −0.004659 ± 0.03852
pull
Entries 50
Mean 304.4
Std Dev 0
pull1D
Entries 50
Mean −0.01363
Std Dev 1.146

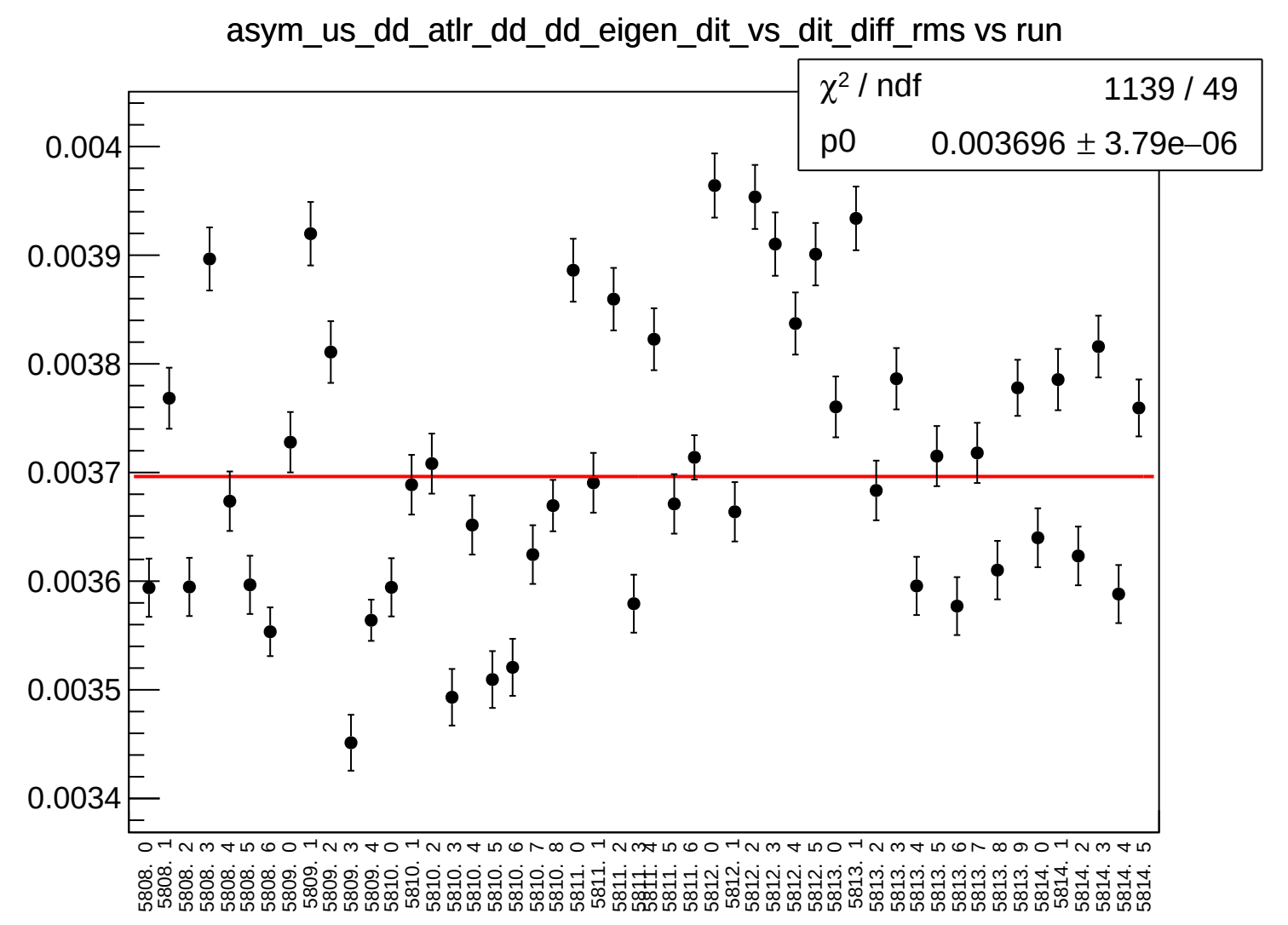

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 49
p0 24.93 ± 0.02723
55
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

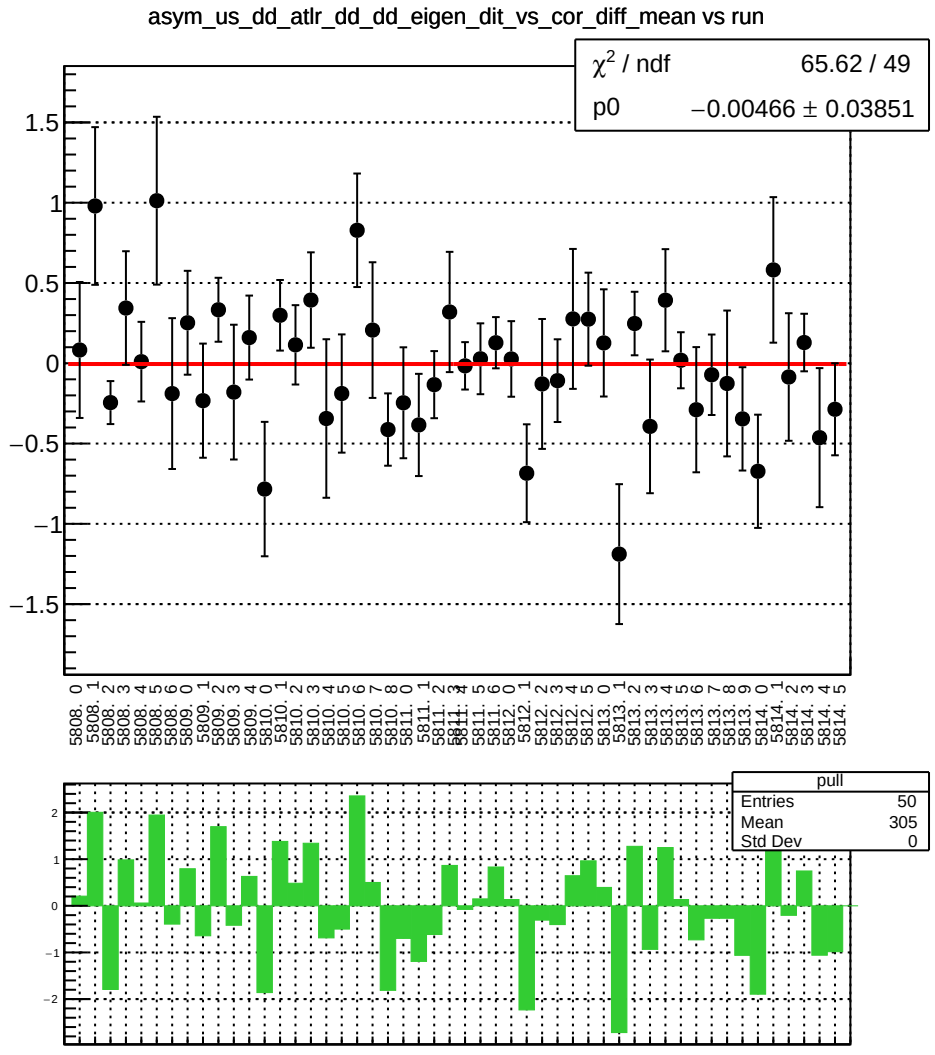

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.62 / 49
p0 −0.004659 ± 0.03852
pull
Entries 50
Mean 304.4
Std Dev 0
pull1D
Entries 50
Mean −0.01363
Std Dev 1.146

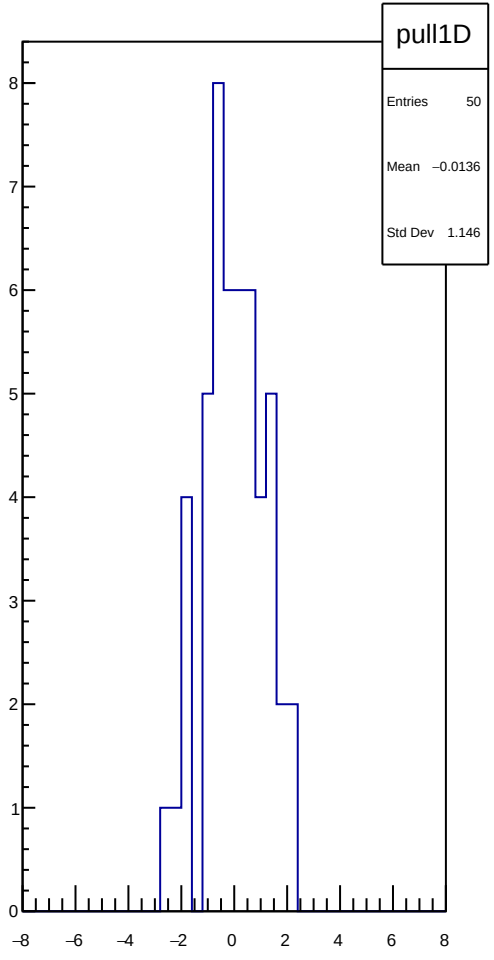

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 49
p0 24.93 ± 0.02723
55
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

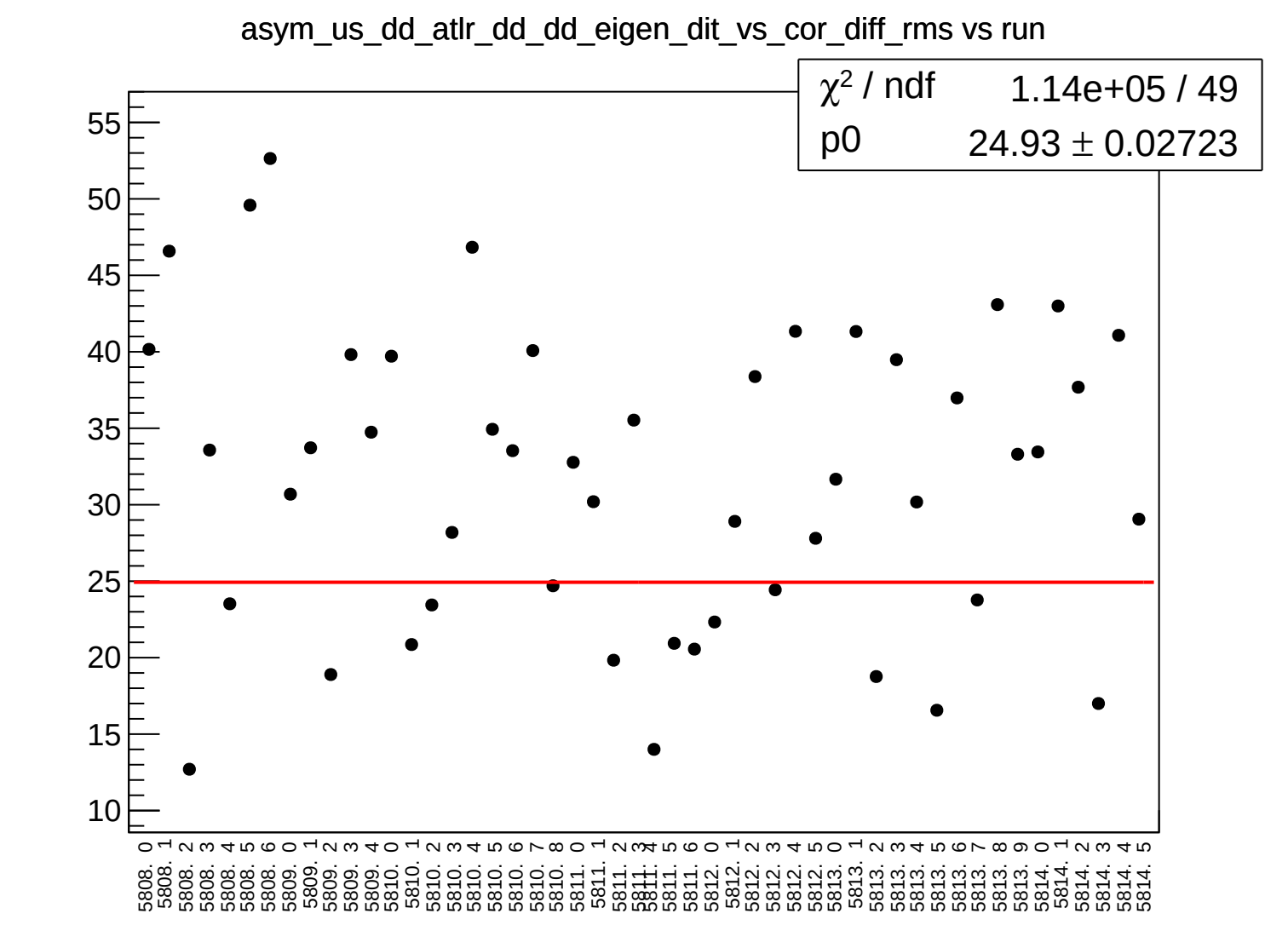

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 69.67 / 49
p0 1.387e−05 ± 5.36e−06
pull
Entries 50
Mean −123.8
Std Dev 0

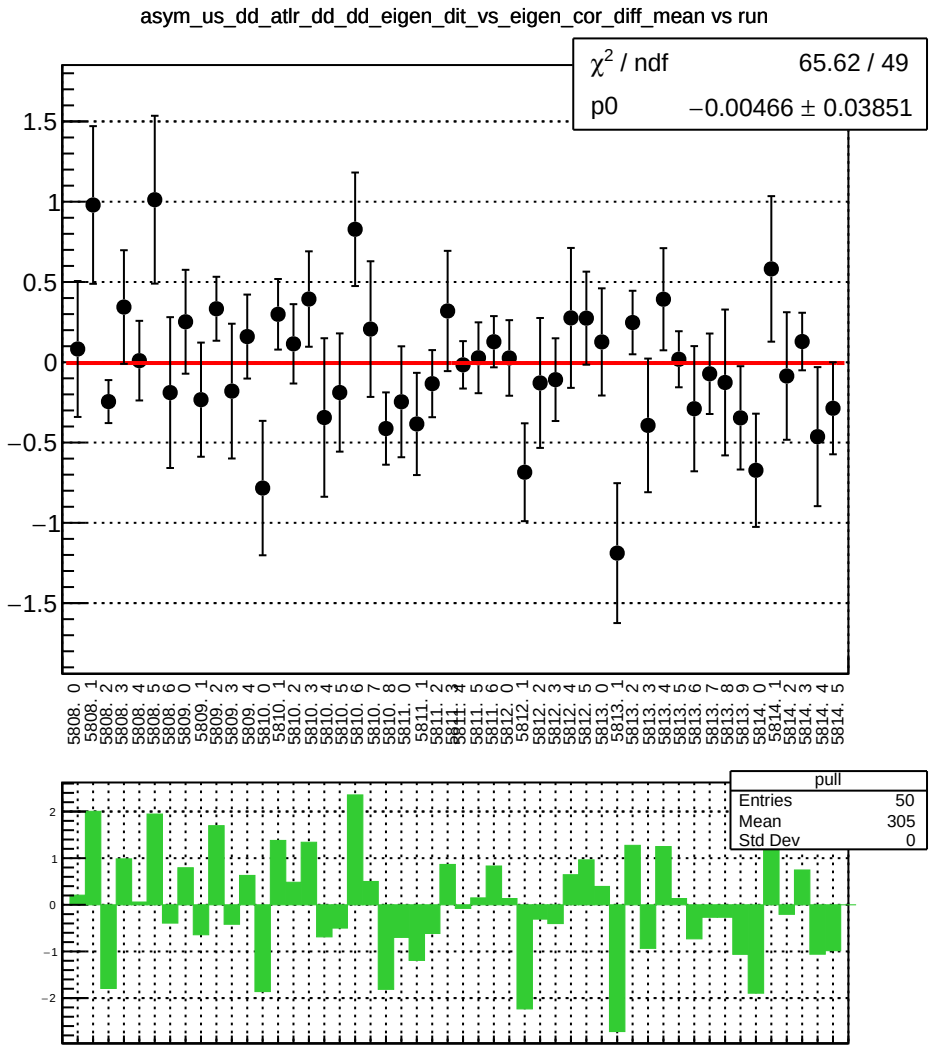

pull1D
Entries 50
Mean −0.02651
Std Dev 1.18

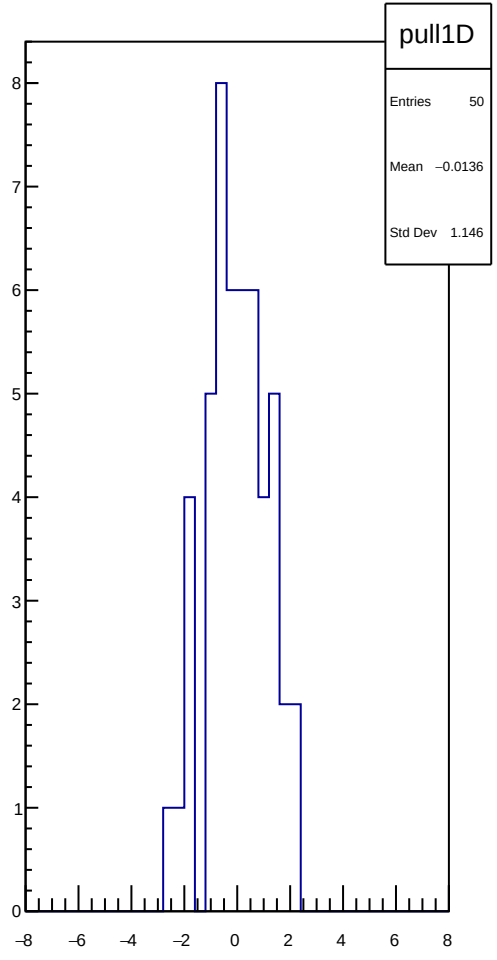

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1139 / 49
p0 0.003696 ± 3.79e–06
0.004
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

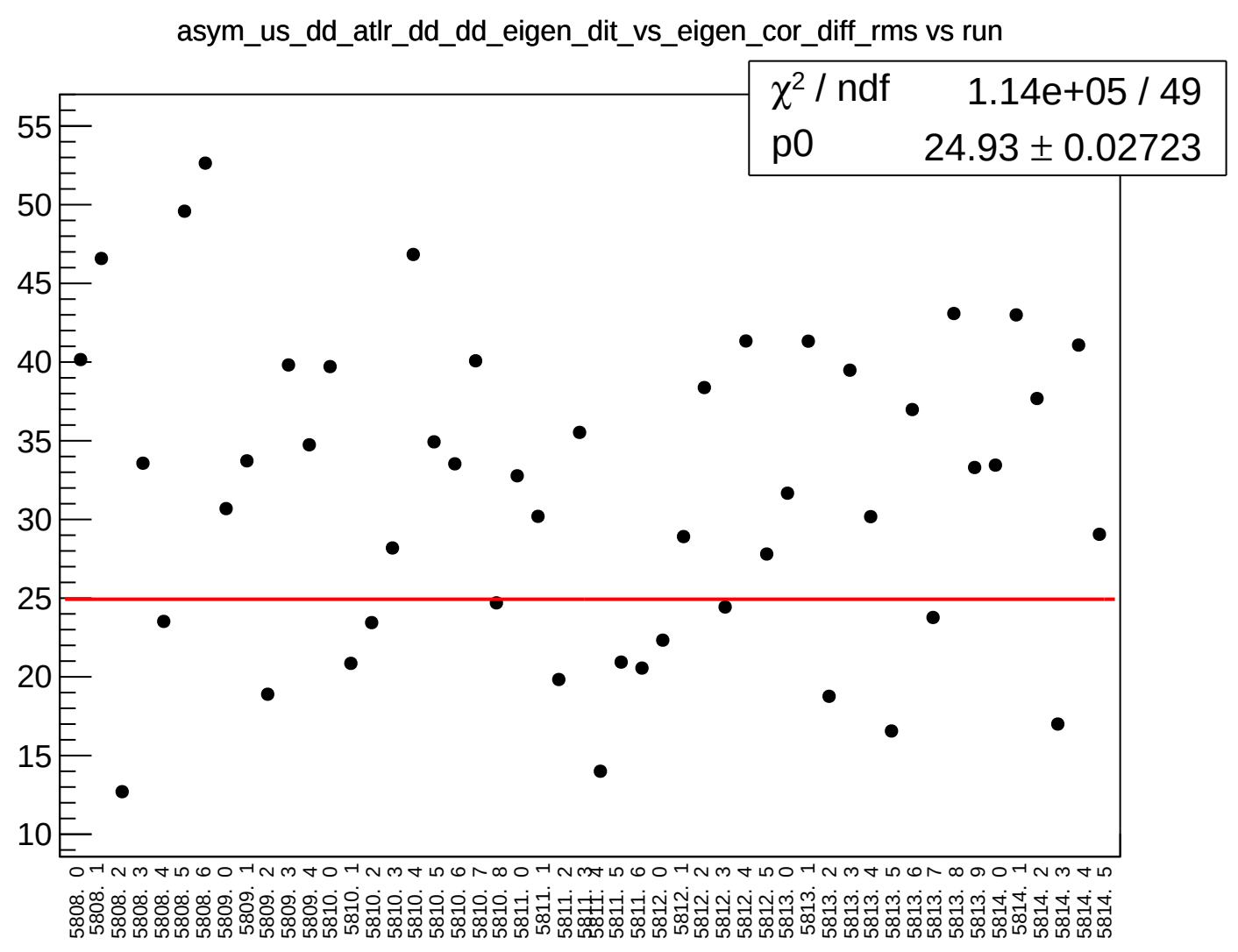

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 65.62 / 49
p0 −0.00466 ± 0.03851
pull
Entries 50
Mean 305
Std Dev 0

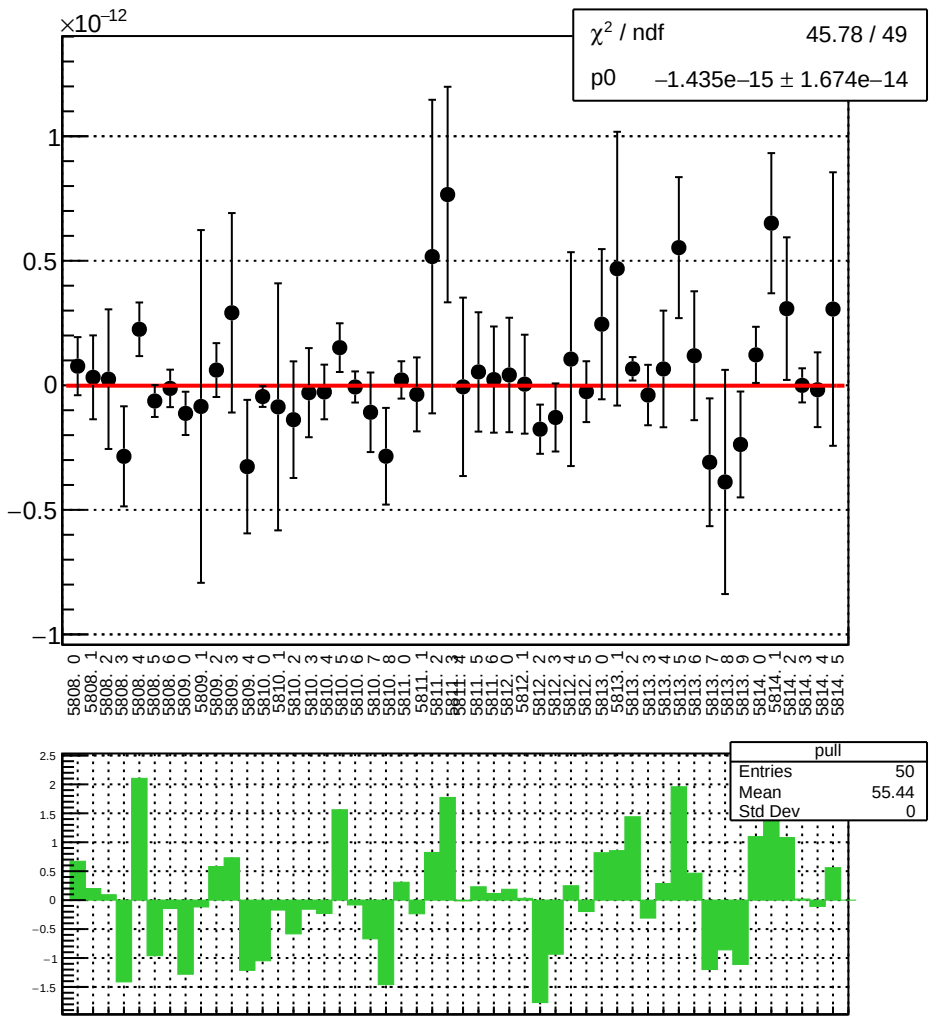

pull1D
Entries 50
Mean −0.0136
Std Dev 1.146

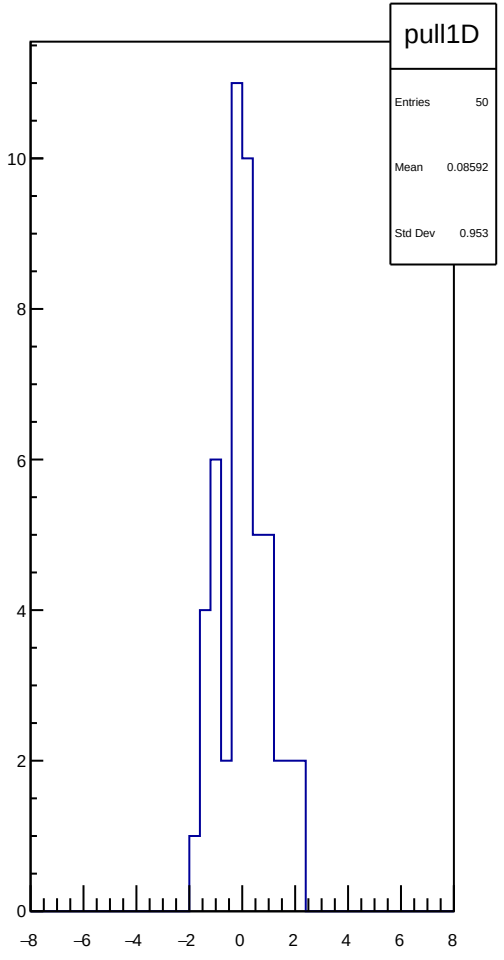

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 49
p0 24.93 ± 0.02723
55
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

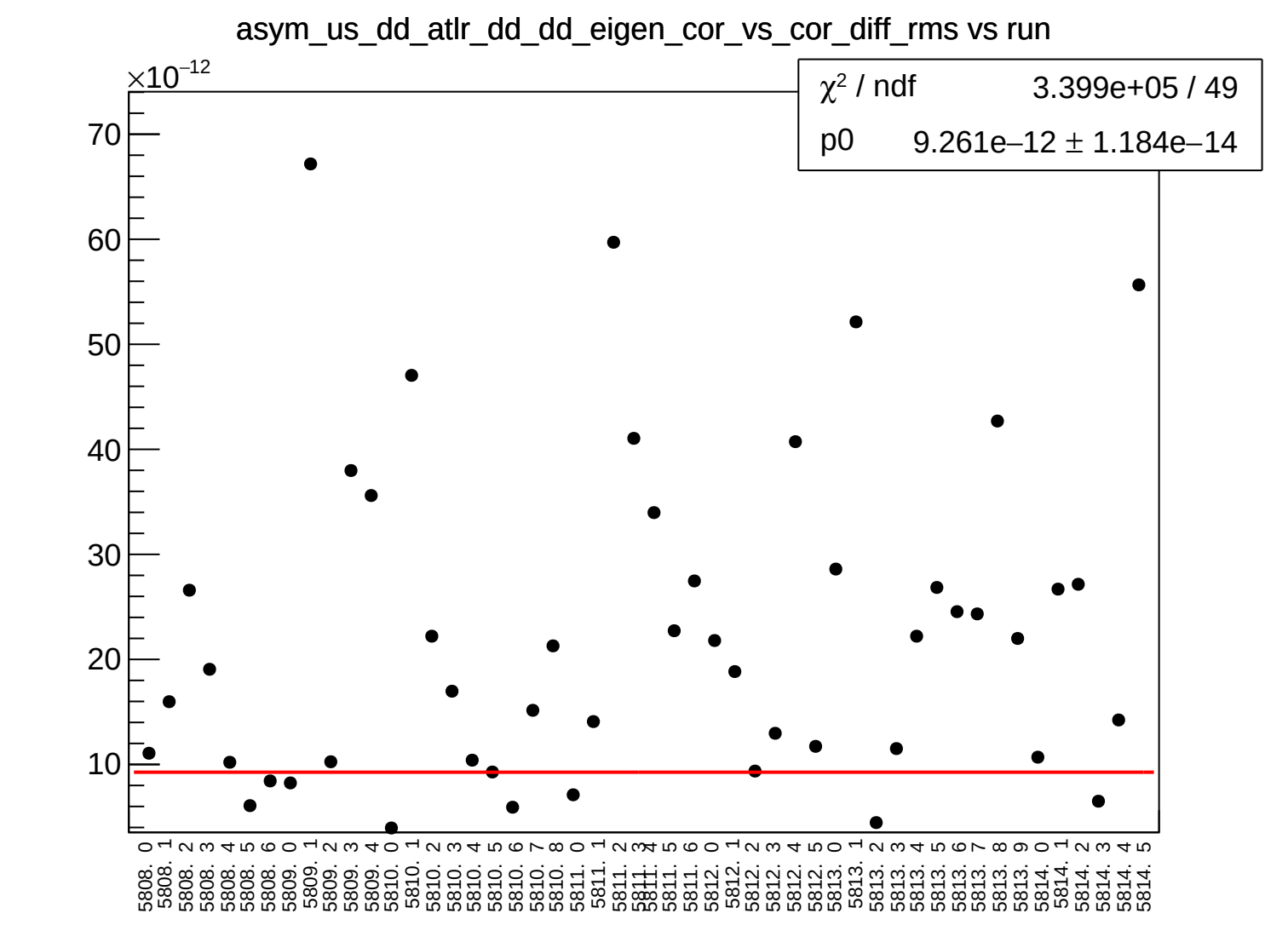

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 65.62 / 49
p0 −0.00466 ± 0.03851
pull
Entries 50
Mean 305
Std Dev 0

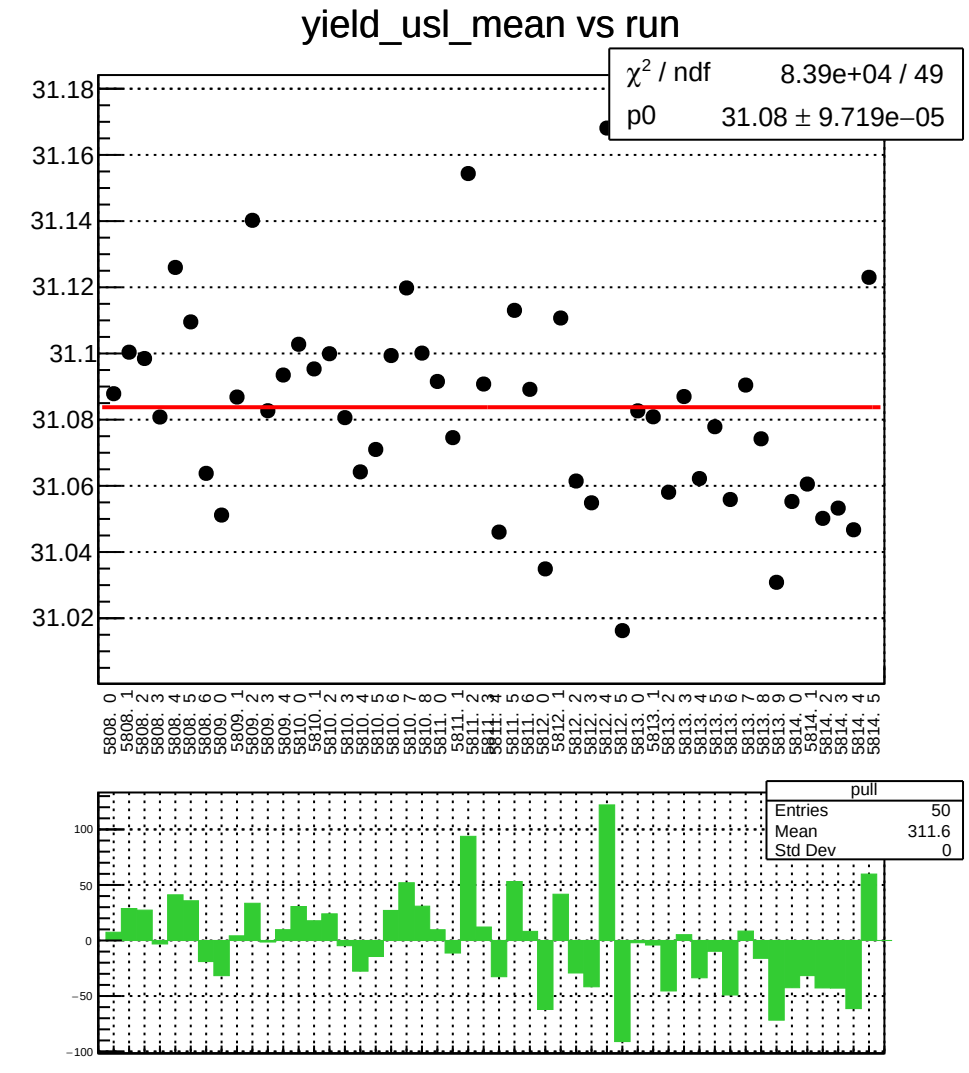

pull1D
Entries 50
Mean −0.0136
Std Dev 1.146

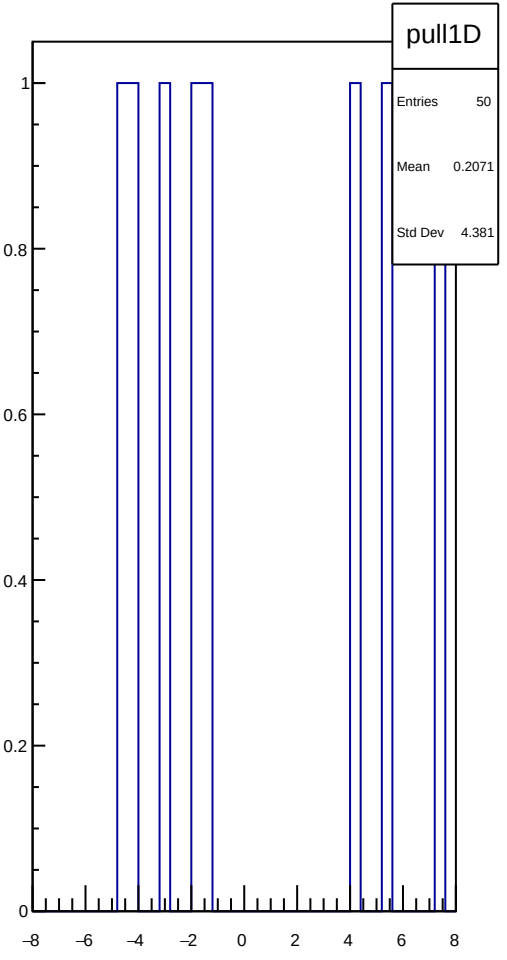

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.14e+05 / 49
p0 24.93 ± 0.02723
55
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

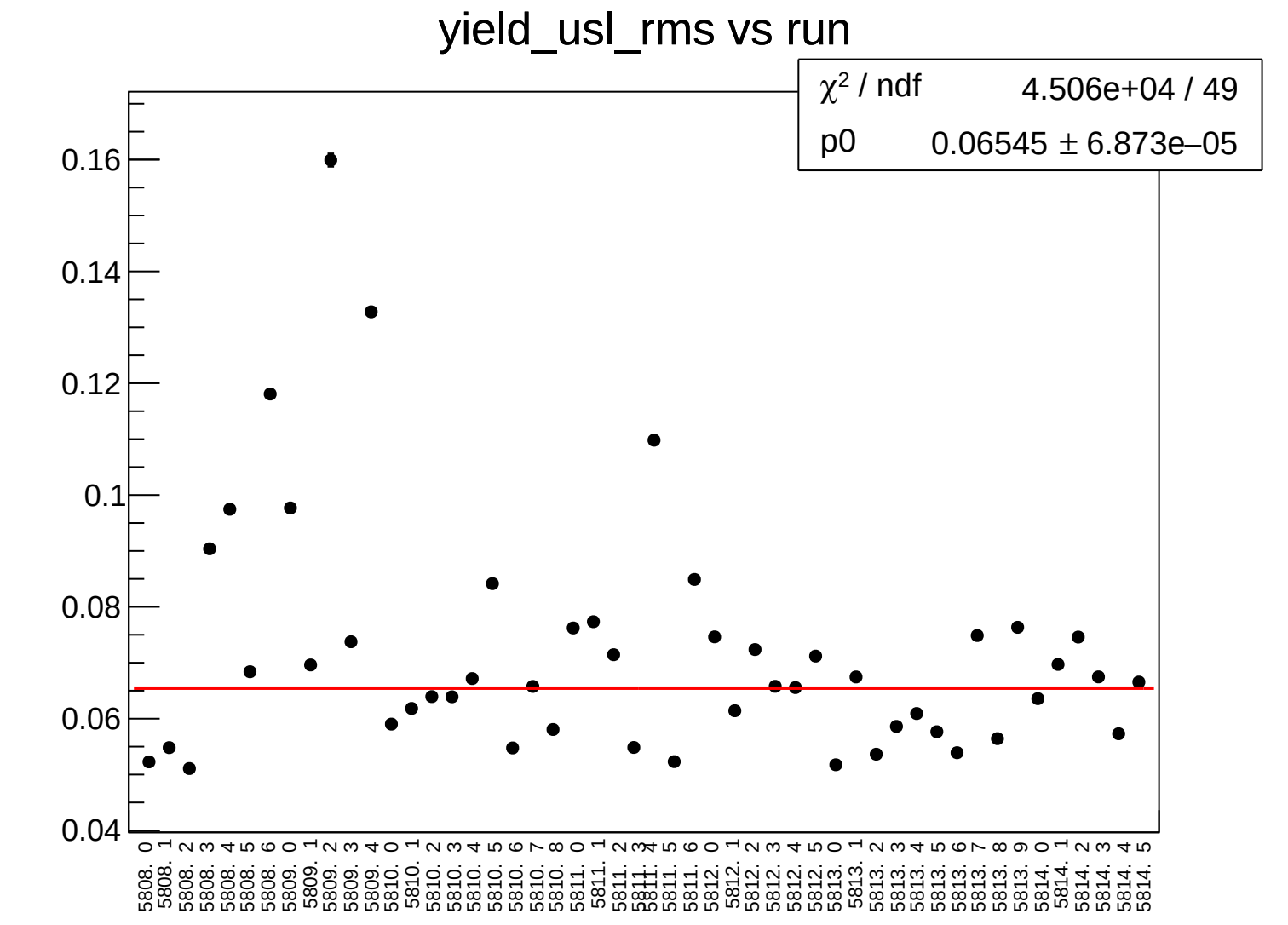

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.78 / 49
p0 −1.435e−15 ± 1.674e−14
pull
Entries 50
Mean 55.44
Std Dev 0

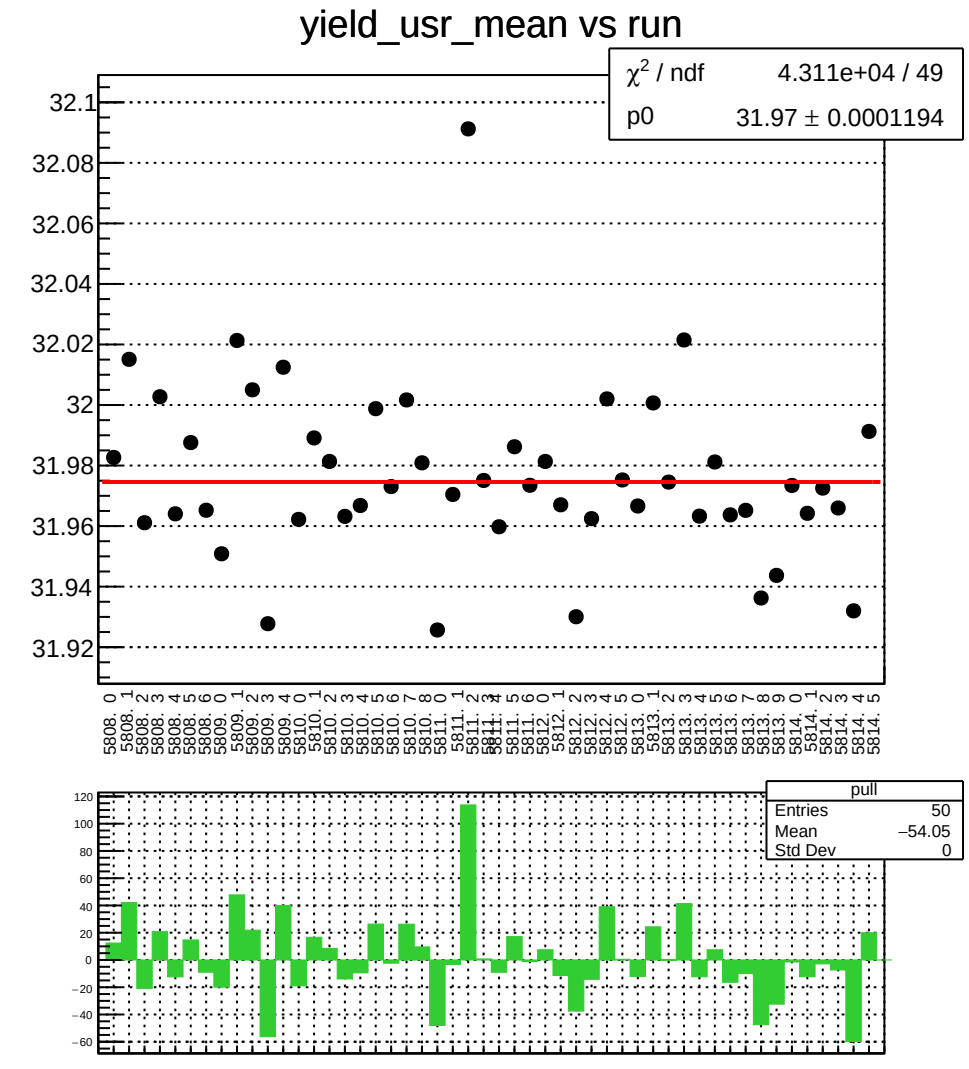

pull1D
Entries 50
Mean 0.08592
Std Dev 0.953

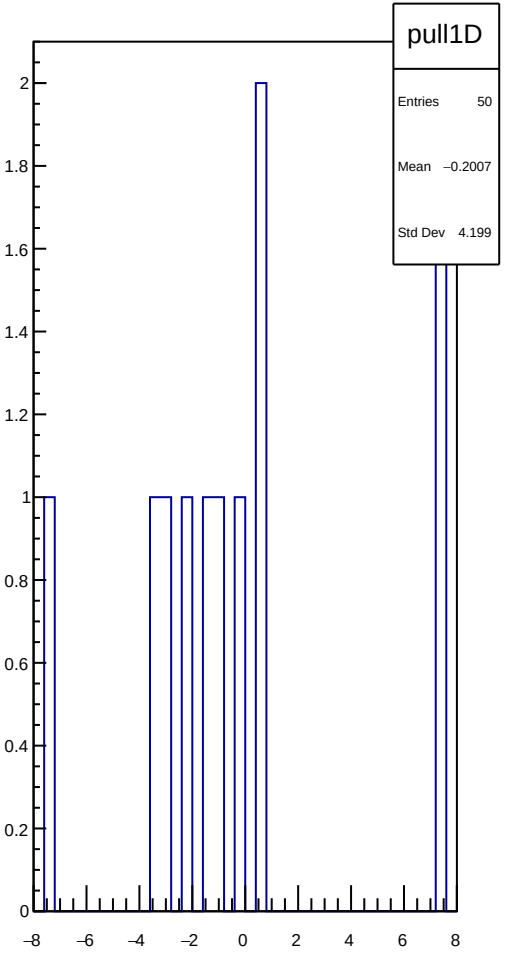

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.399e+05 / 49
p0 9.261e−12 ± 1.184e−14
70
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

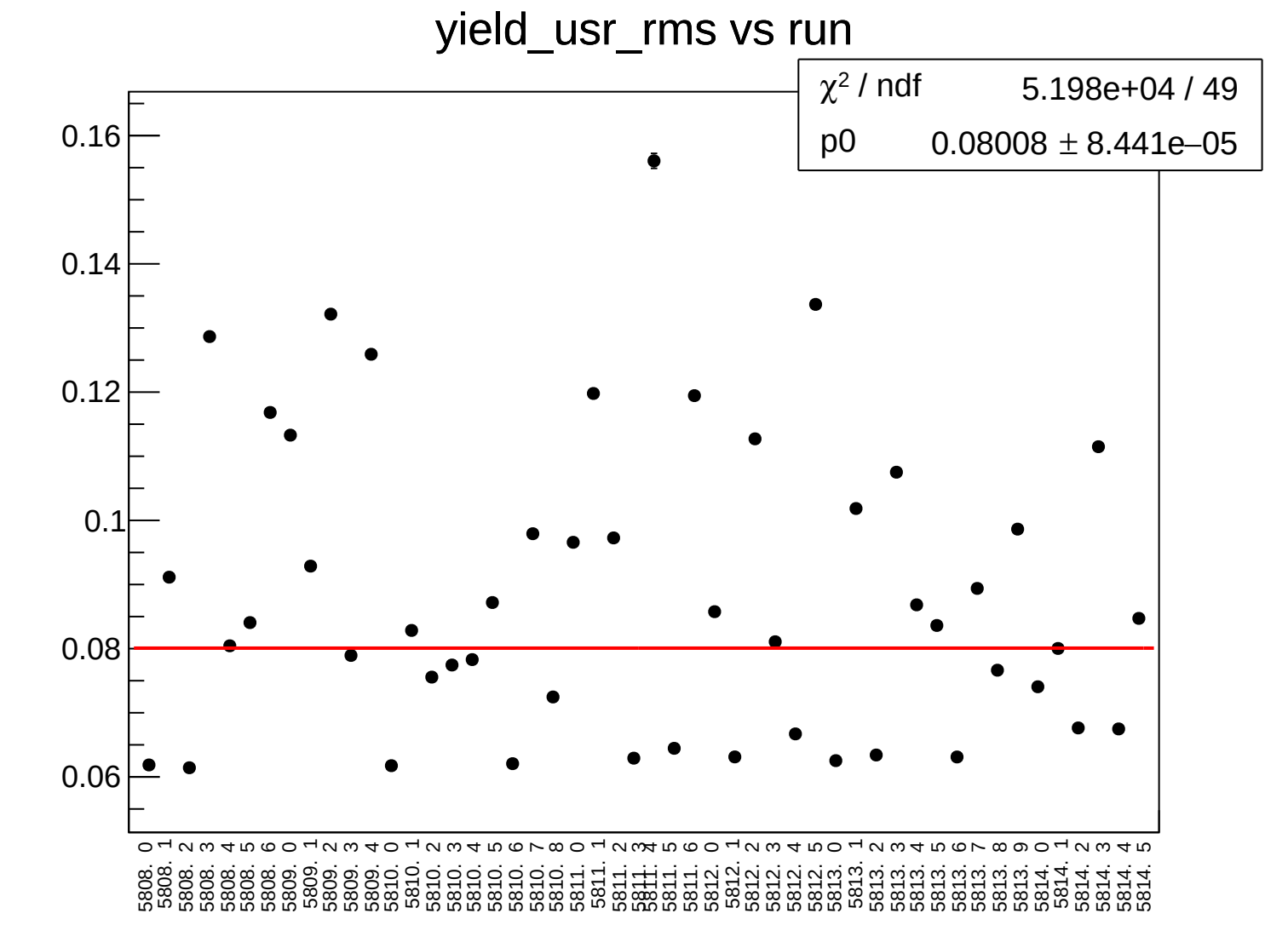

yield_usl_mean vs run
χ² / ndf 8.39e+04 / 49
p0 31.08 ± 9.719e−05
31.18
31.16
31.14
31.12
31.1
31.08
31.06
31.04
31.02
pull
Entries 50
Mean 311.6
Std Dev 0
100
50
0
−50
−100

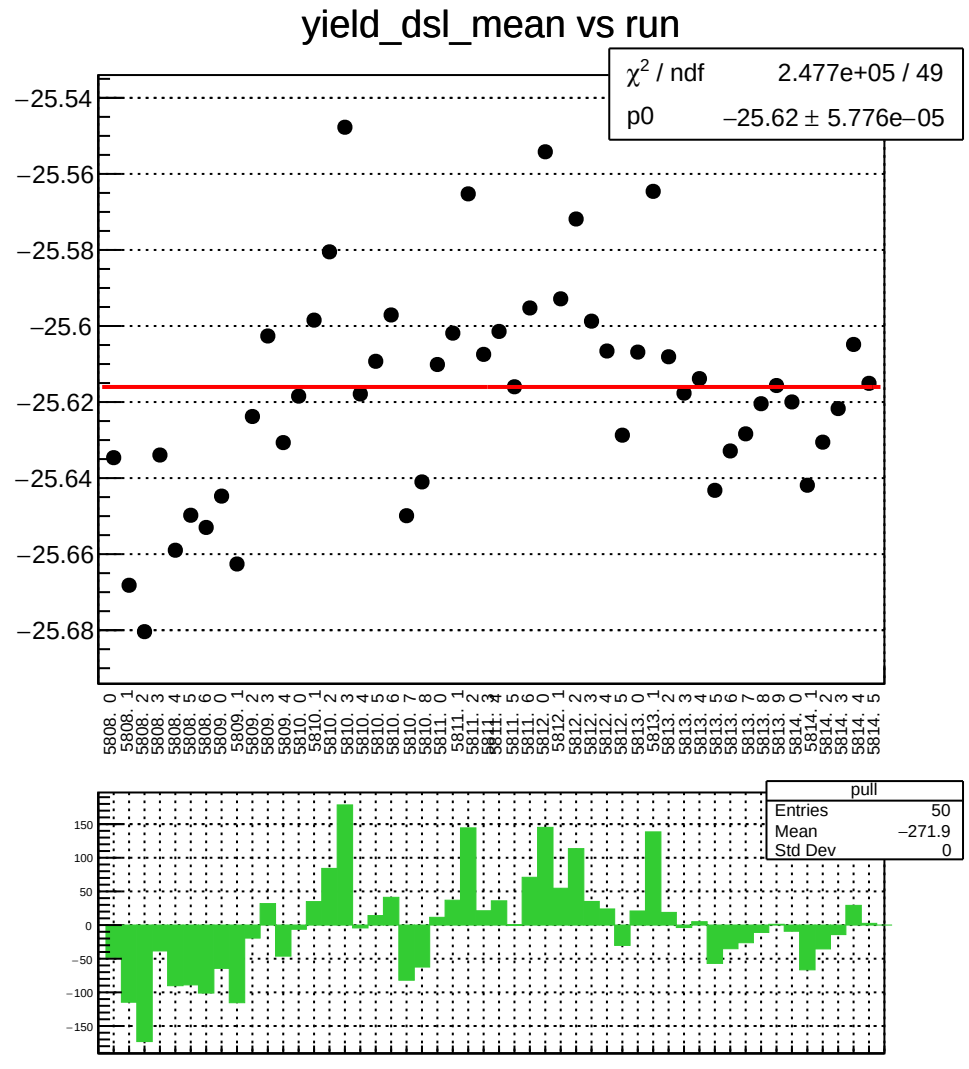

pull1D
Entries 50
Mean 0.2071
Std Dev 4.381
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

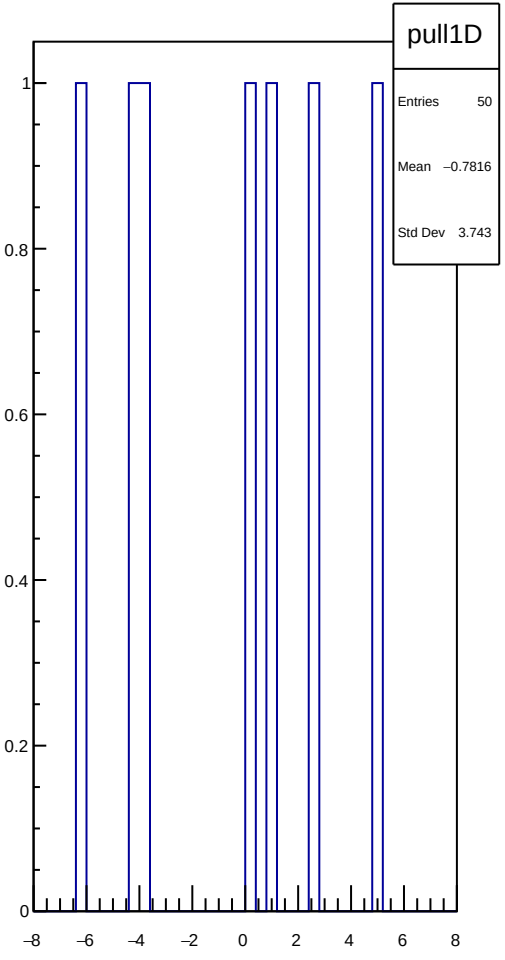

yield_usl_rms vs run
χ² / ndf 4.506e+04 / 49
p0 0.06545 ± 6.873e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

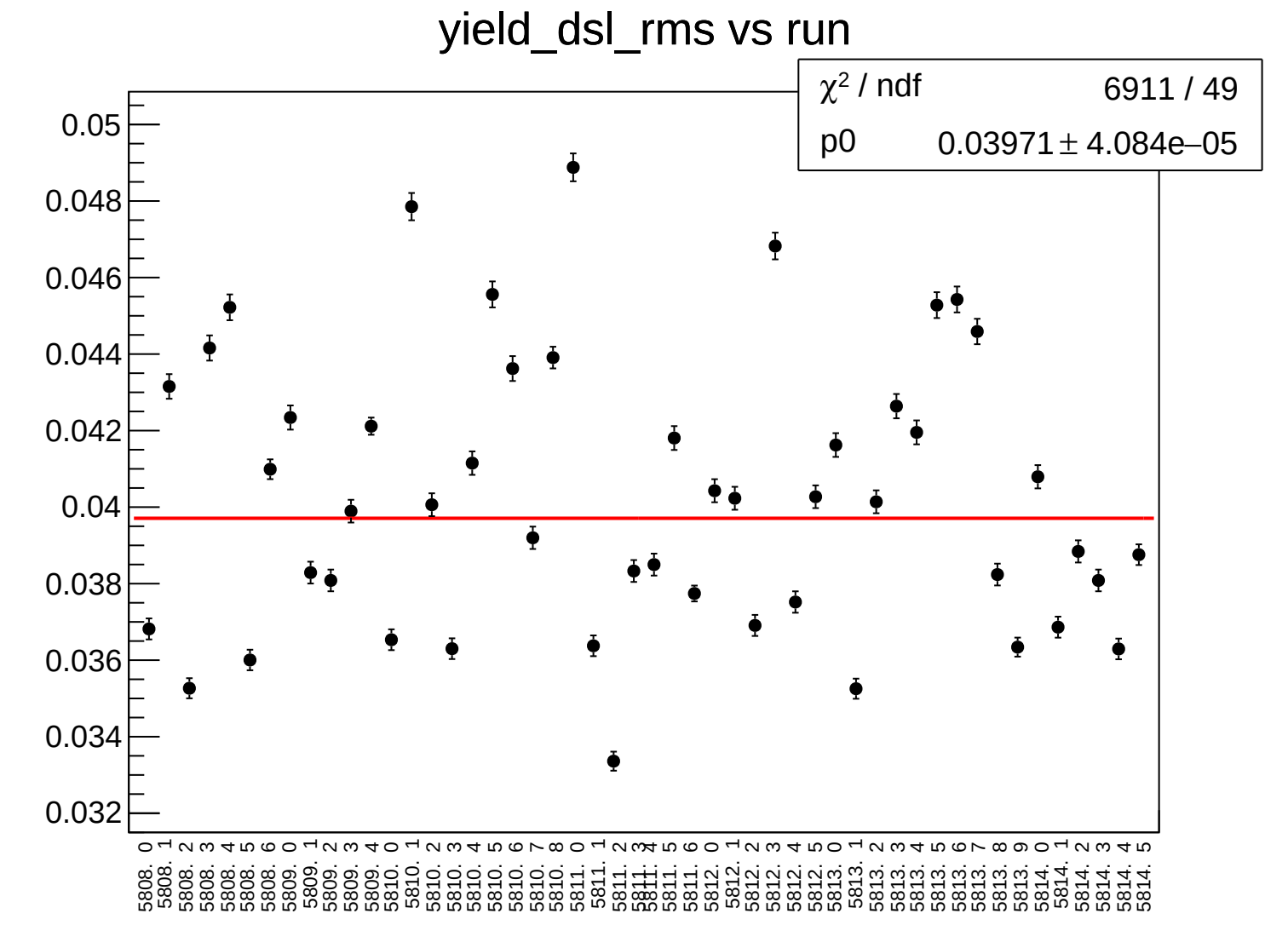

yield_usr_mean vs run
χ² / ndf 4.311e+04 / 49
p0 31.97 ± 0.0001194
32.1
32.08
32.06
32.04
32.02
32
31.98
31.96
31.94
31.92
pull
Entries 50
Mean −54.05
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60

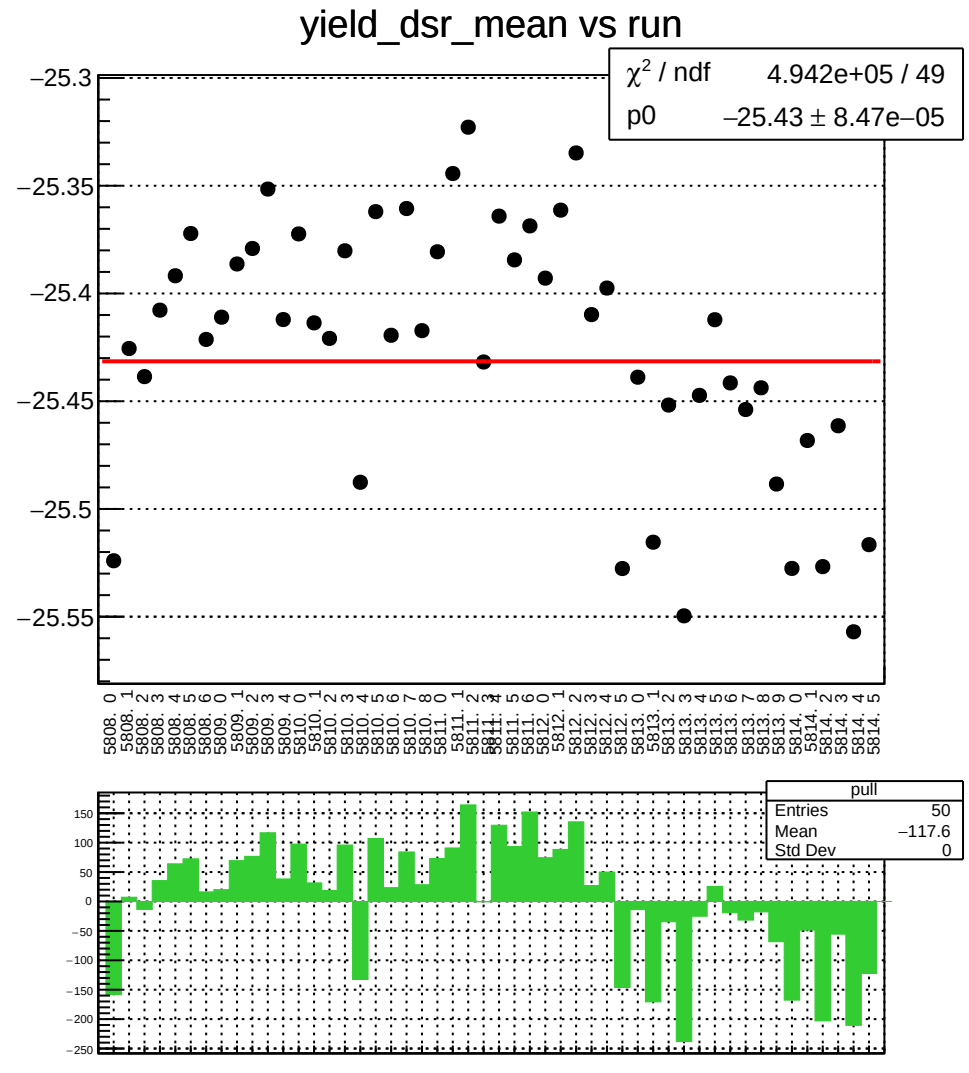

pull1D
Entries 50
Mean −0.2007
Std Dev 4.199
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

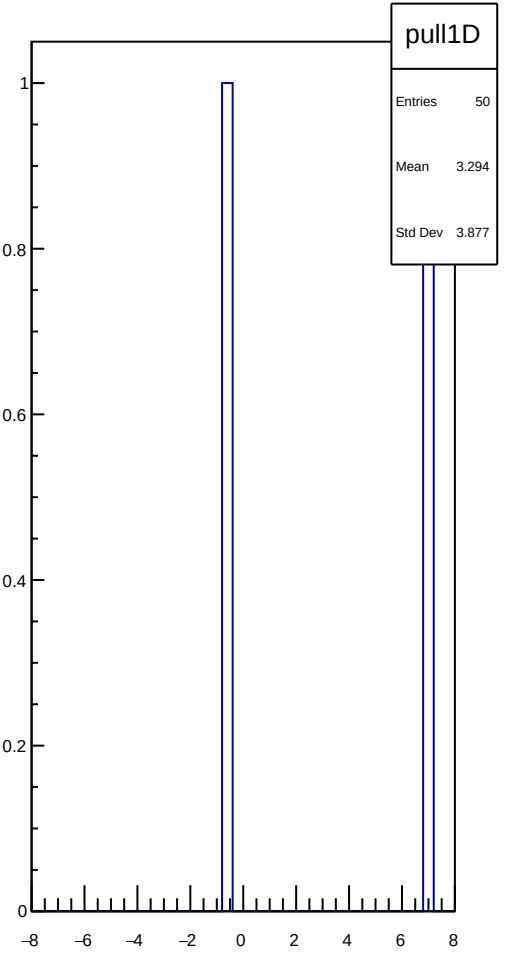

yield_usr_rms vs run
χ² / ndf 5.198e+04 / 49
p0 0.08008 ± 8.441e–05
0.16
0.14
0.12
0.1
0.08
0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

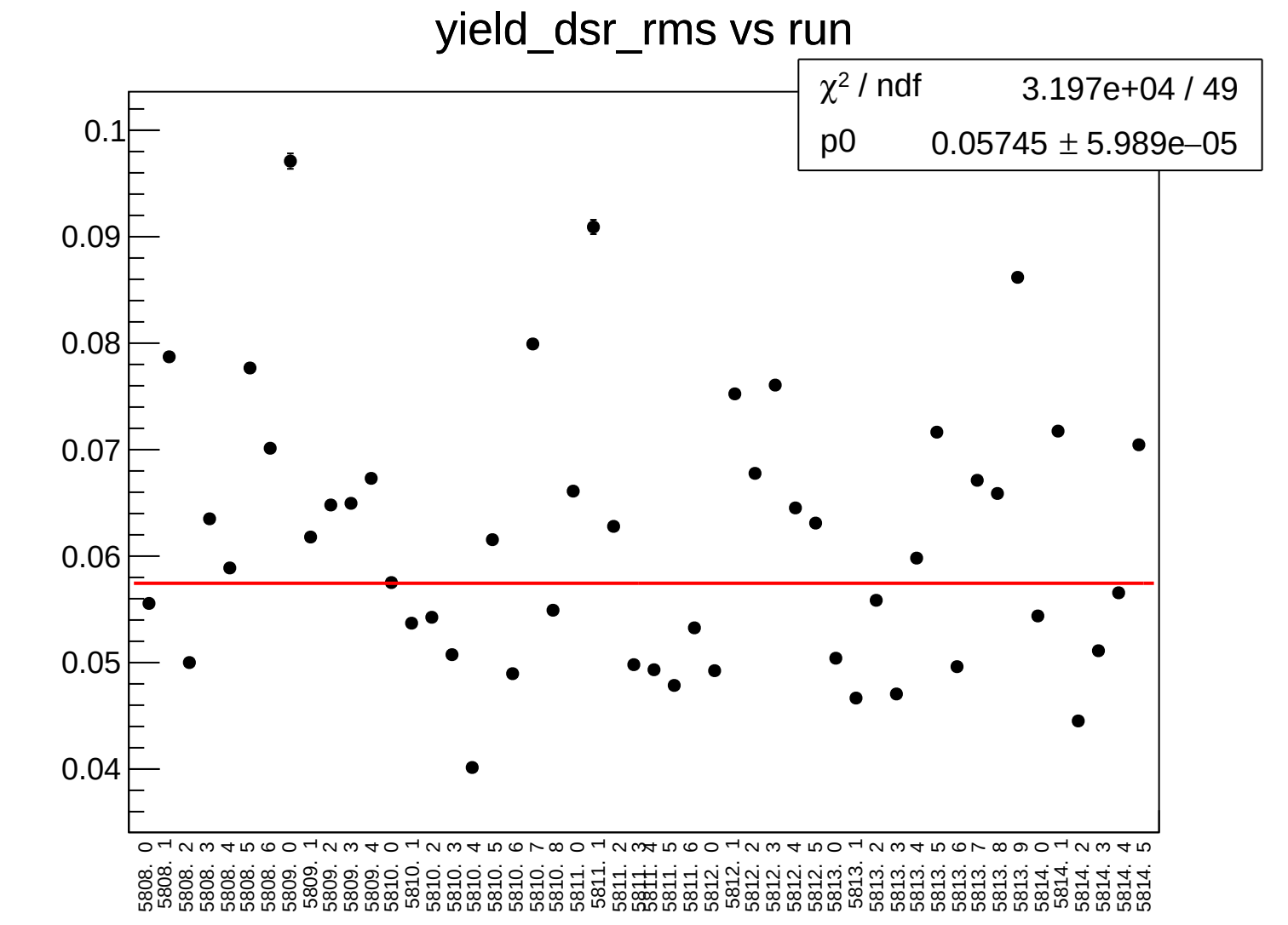

yield_dsl_mean vs run
χ² / ndf 2.477e+05 / 49
p0 −25.62 ± 5.776e−05
−25.54
−25.56
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
pull
Entries 50
Mean −271.9
Std Dev 0
150
100
50
0
−50
−100
−150

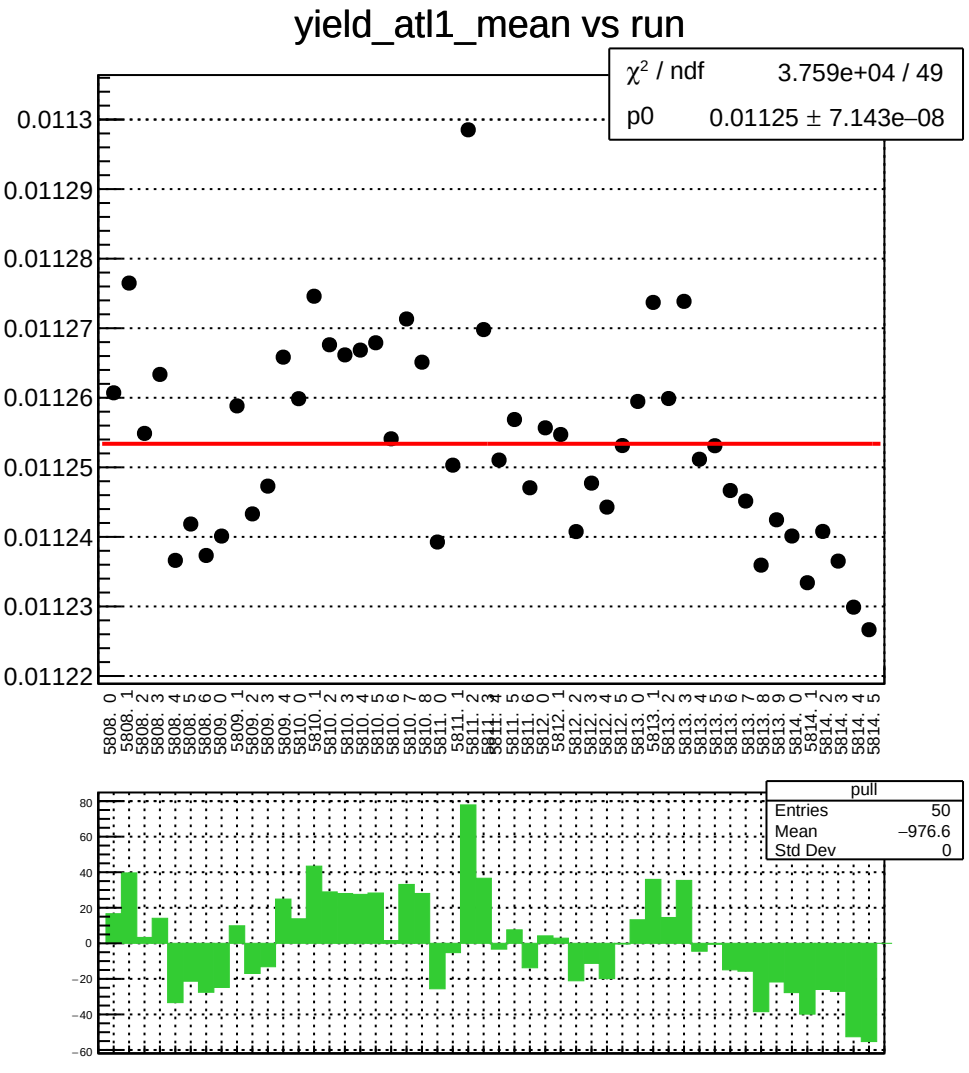

pull1D
Entries 50
Mean −0.7816
Std Dev 3.743
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

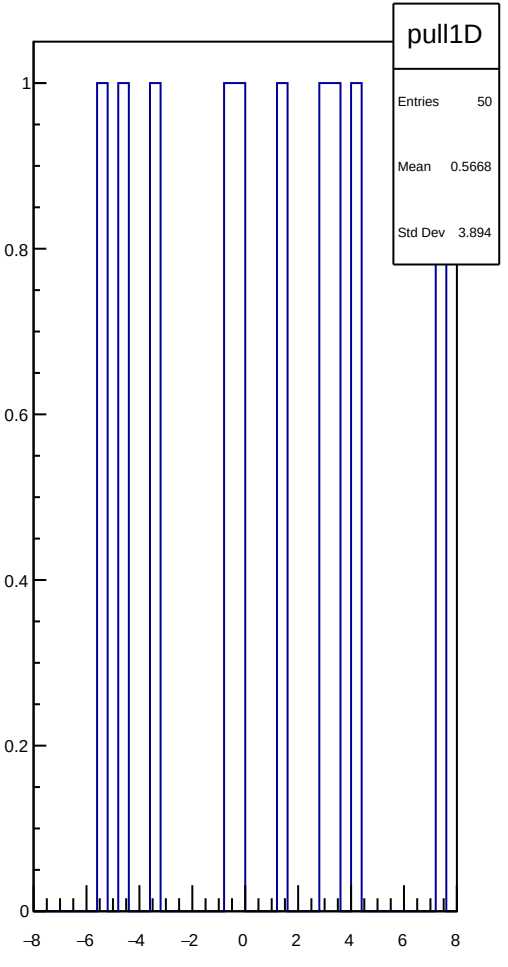

yield_dsl_rms vs run
χ² / ndf 6911 / 49
p0 0.03971 ± 4.084e–05
0.05
0.048
0.046
0.044
0.042
0.04
0.038
0.036
0.034
0.032
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

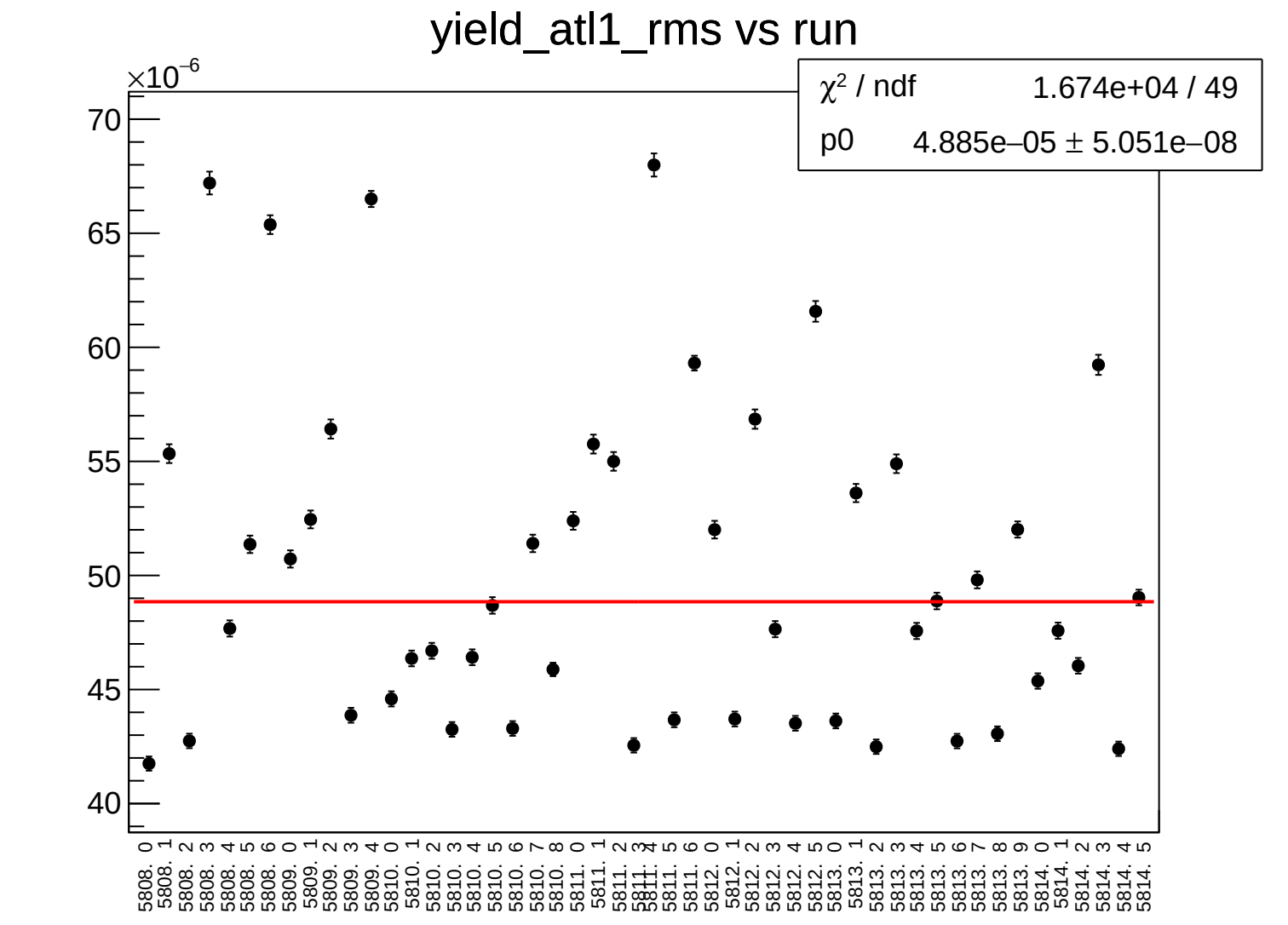

yield_dsr_mean vs run
χ² / ndf 4.942e+05 / 49
p0 −25.43 ± 8.47e−05
−25.3
−25.35
−25.4
−25.45
−25.5
−25.55
pull
Entries 50
Mean −117.6
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

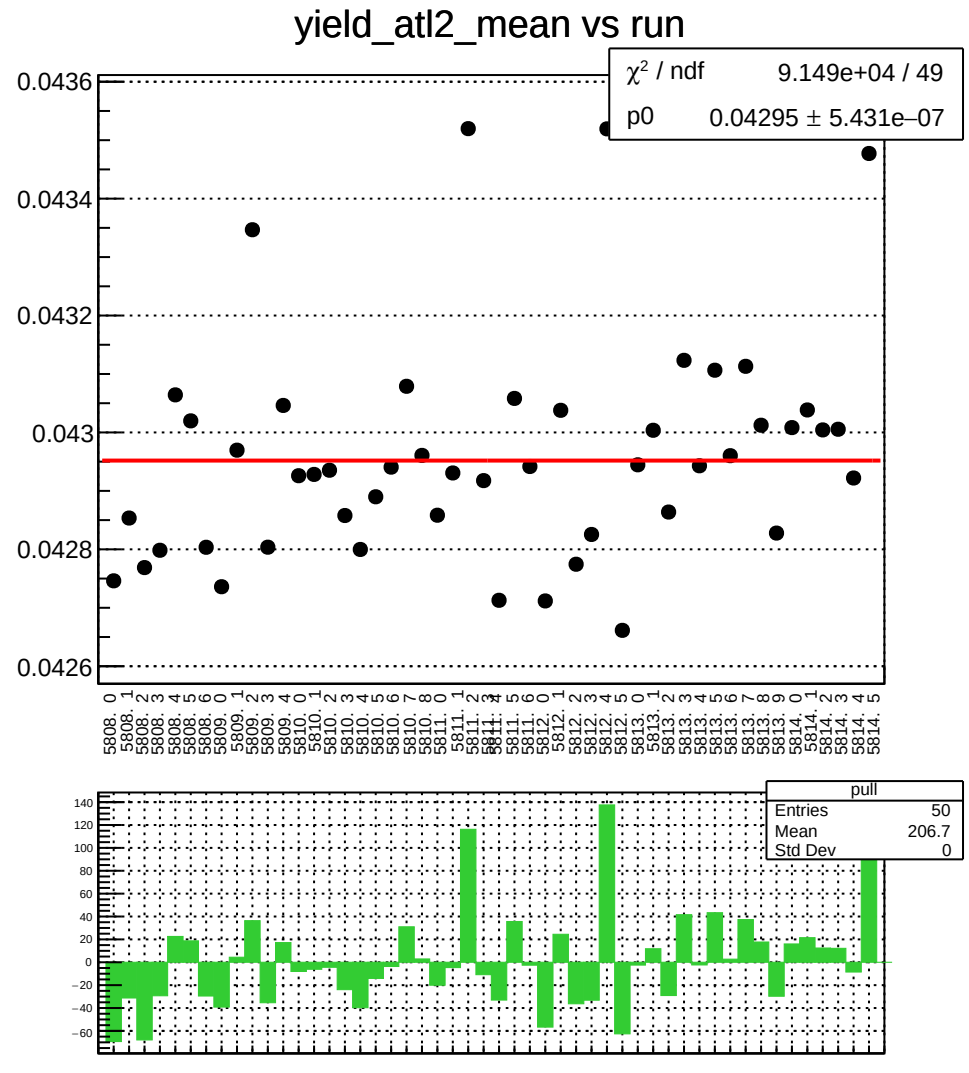

pull1D
Entries 50
Mean 3.294
Std Dev 3.877
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

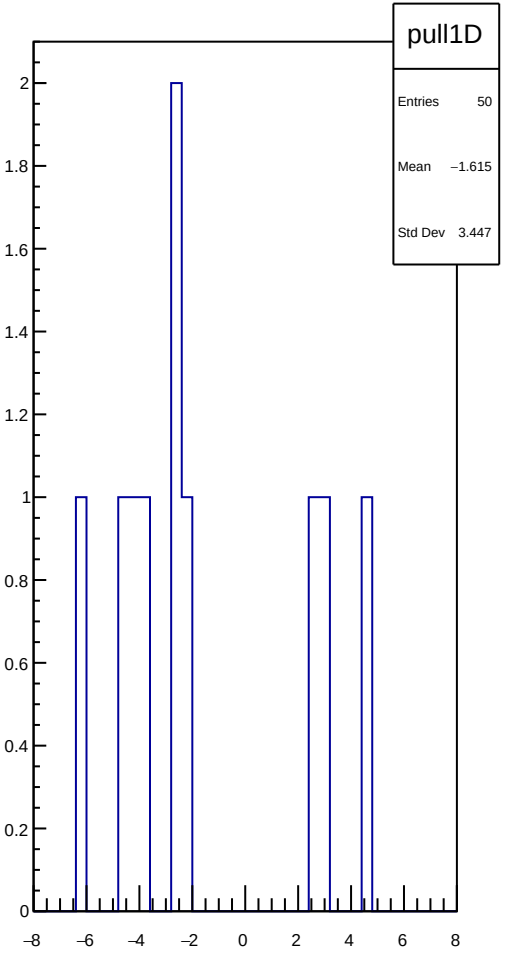

yield_dsr_rms vs run
χ² / ndf 3.197e+04 / 49
p0 0.05745 ± 5.989e–05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

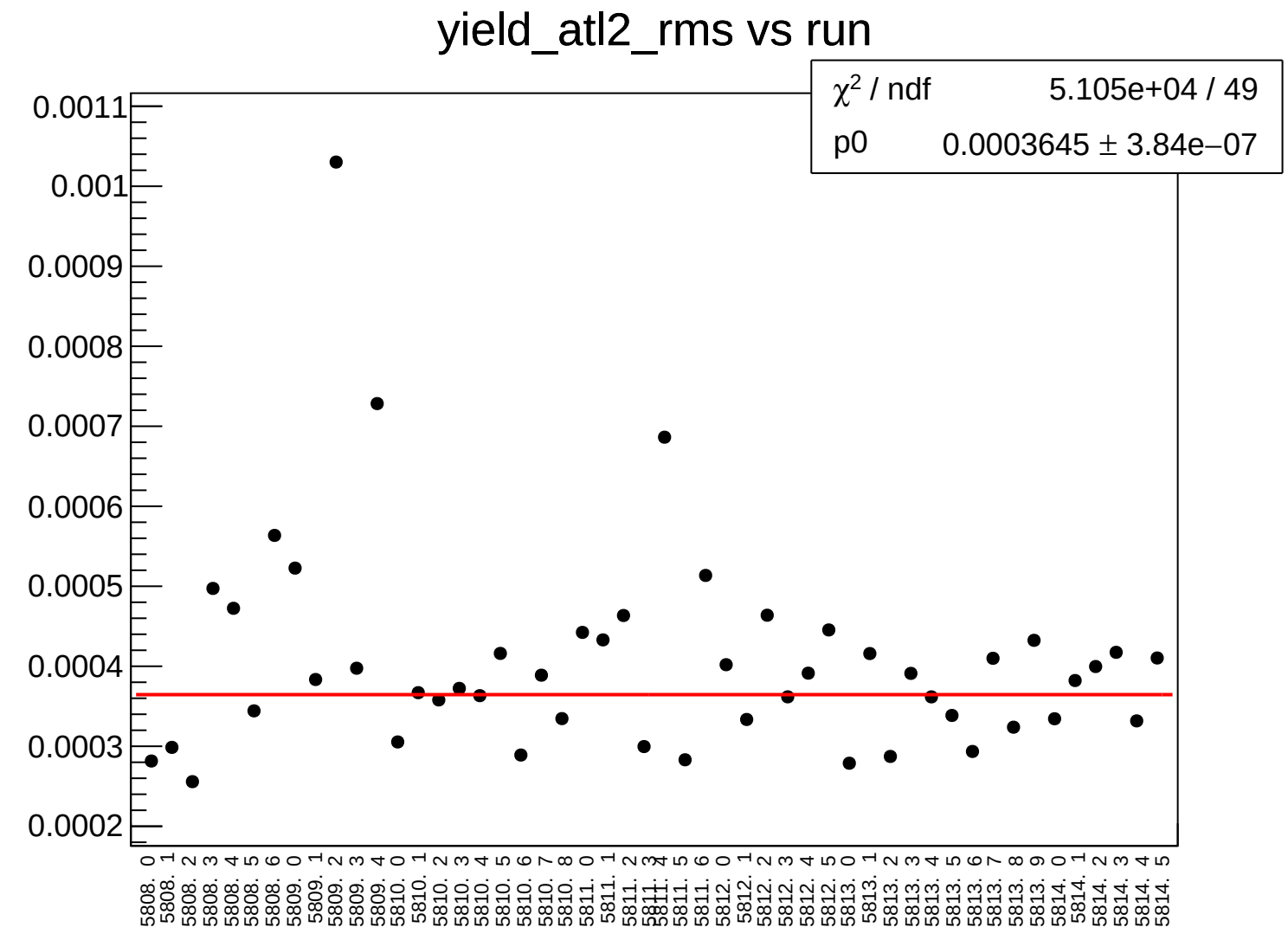

yield_atl1_mean vs run
χ² / ndf 3.759e+04 / 49
p0 0.01125 ± 7.143e−08
0.0113
0.01129
0.01128
0.01127
0.01126
0.01125
0.01124
0.01123
0.01122
pull
Entries 50
Mean −976.6
Std Dev 0
80
60
40
20
0
−20
−40
−60

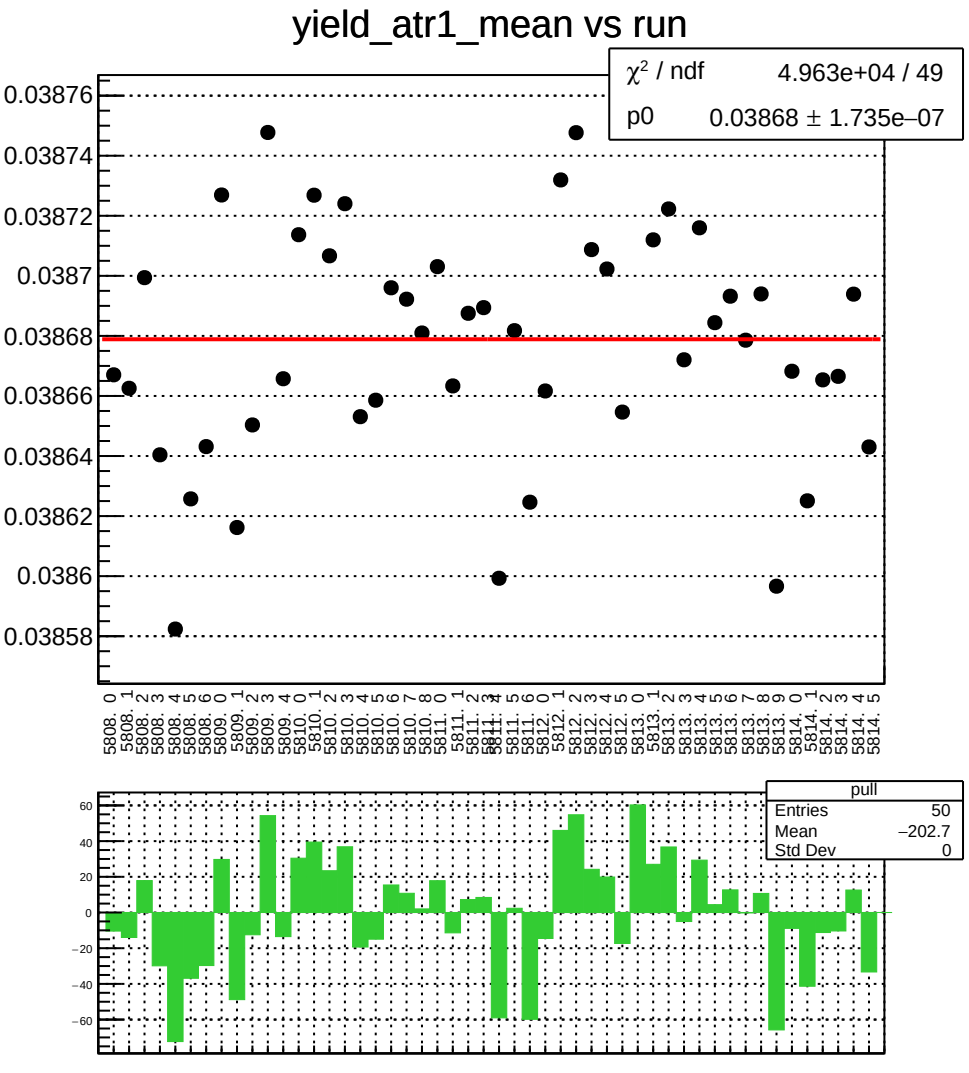

pull1D
Entries 50
Mean 0.5668
Std Dev 3.894
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

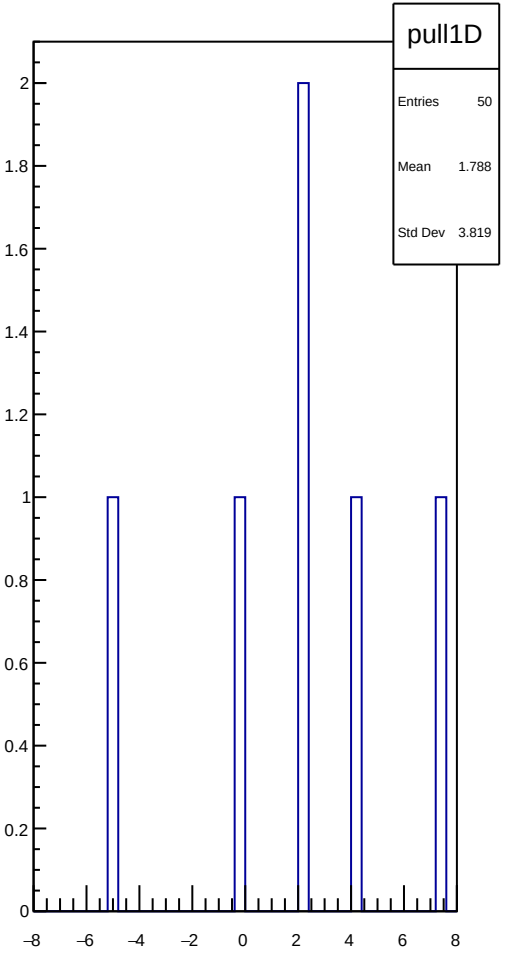

yield_atl1_rms vs run
×10⁻⁶
70
65
60
55
50
45
40
χ² / ndf 1.674e+04 / 49
p0 4.885e−05 ± 5.051e−08
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

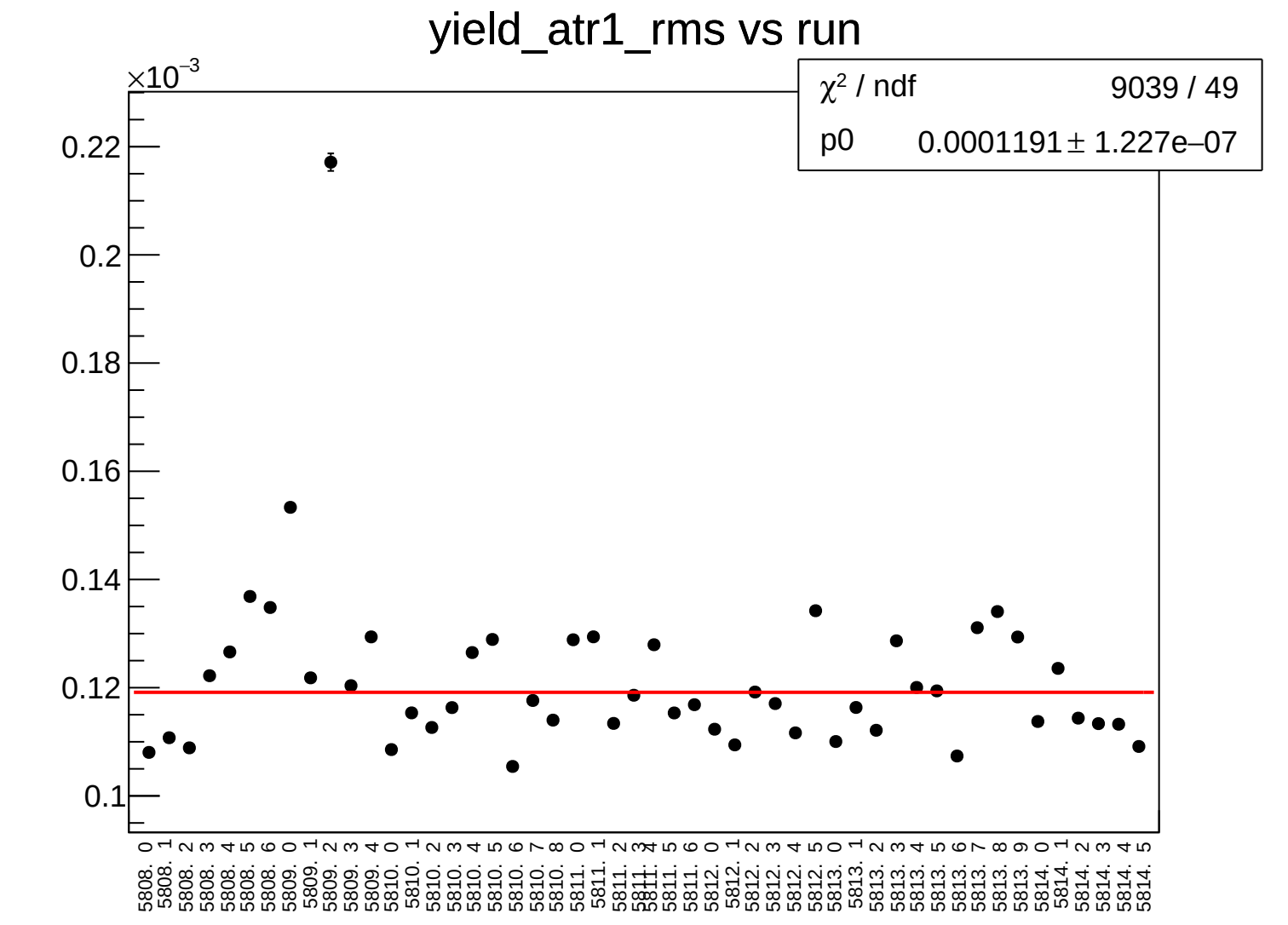

yield_atl2_mean vs run
χ² / ndf 9.149e+04 / 49
p0 0.04295 ± 5.431e−07
0.0436
0.0434
0.0432
0.043
0.0428
0.0426
pull
Entries 50
Mean 206.7
Std Dev 0

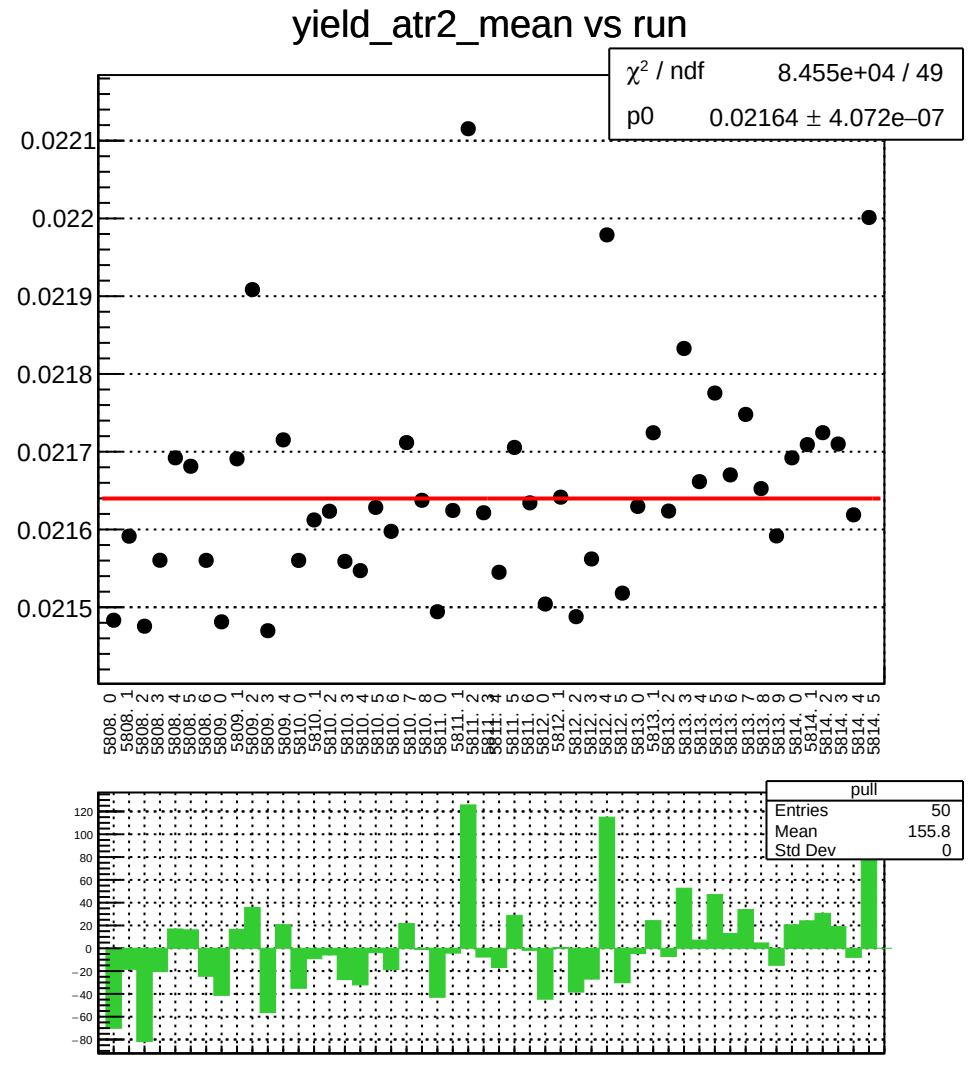

pull1D
Entries 50
Mean −1.615
Std Dev 3.447

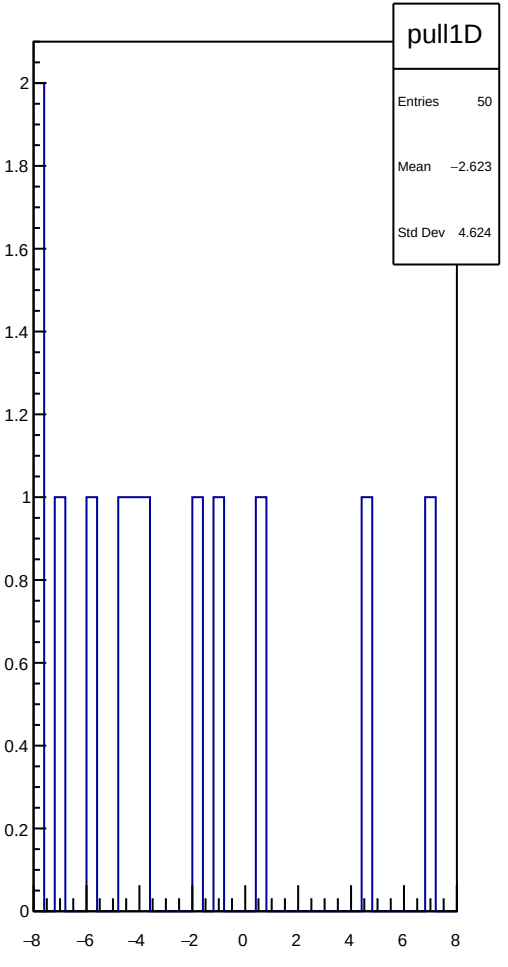

yield_atl2_rms vs run
χ² / ndf 5.105e+04 / 49
p0 0.0003645 ± 3.84e−07
0.0011
0.001
0.0009
0.0008
0.0007
0.0006
0.0005
0.0004
0.0003
0.0002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

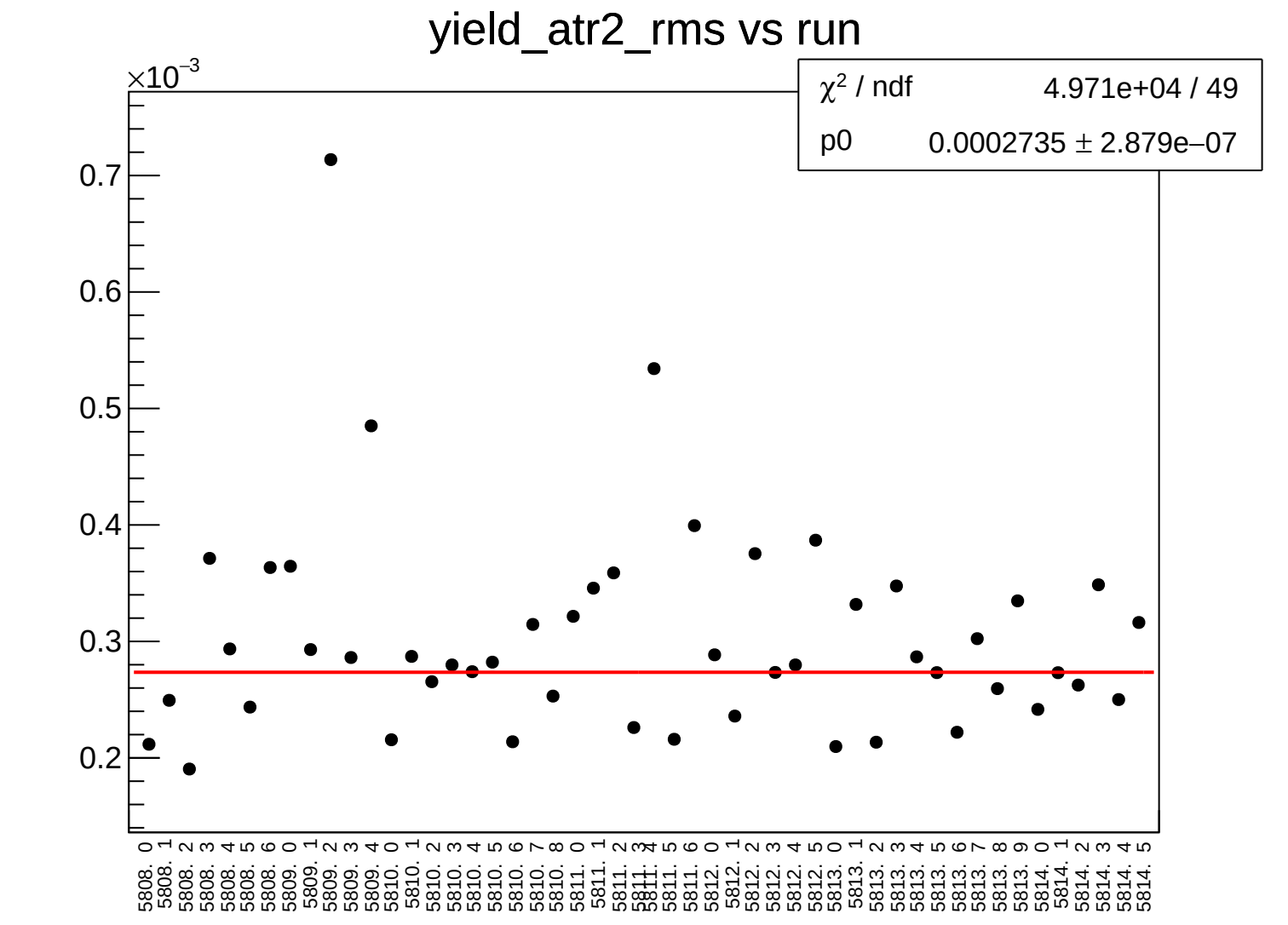

yield_atr1_mean vs run
χ² / ndf 4.963e+04 / 49
p0 0.03868 ± 1.735e−07
0.03876
0.03874
0.03872
0.0387
0.03868
0.03866
0.03864
0.03862
0.0386
0.03858
pull
Entries 50
Mean −202.7
Std Dev 0
60
40
20
0
−20
−40
−60

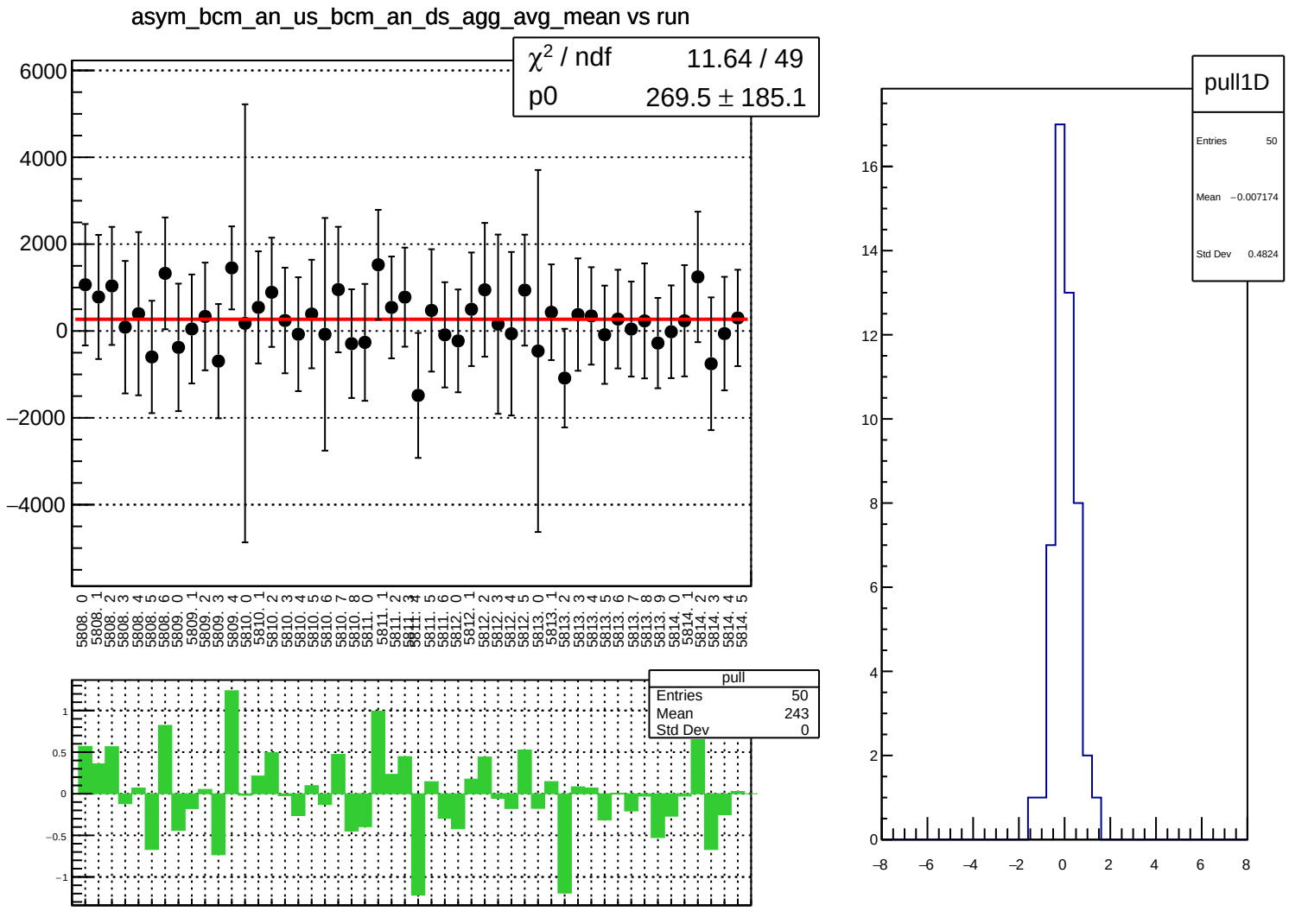

pull1D
Entries 50
Mean 1.788
Std Dev 3.819
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

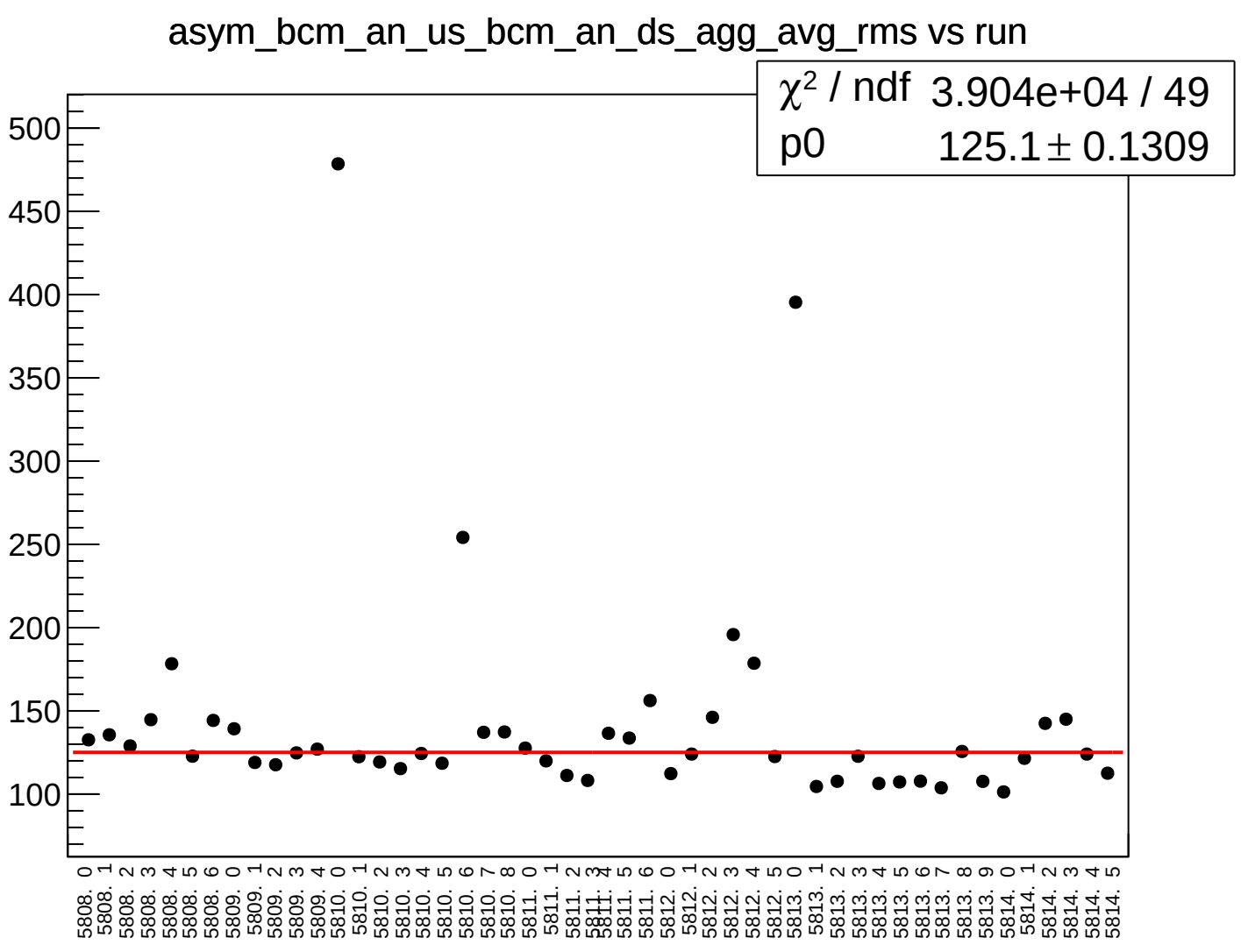

yield_atr1_rms vs run
×10⁻³
χ² / ndf 9039 / 49
p0 0.0001191 ± 1.227e–07
0.22
0.2
0.18
0.16
0.14
0.12
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

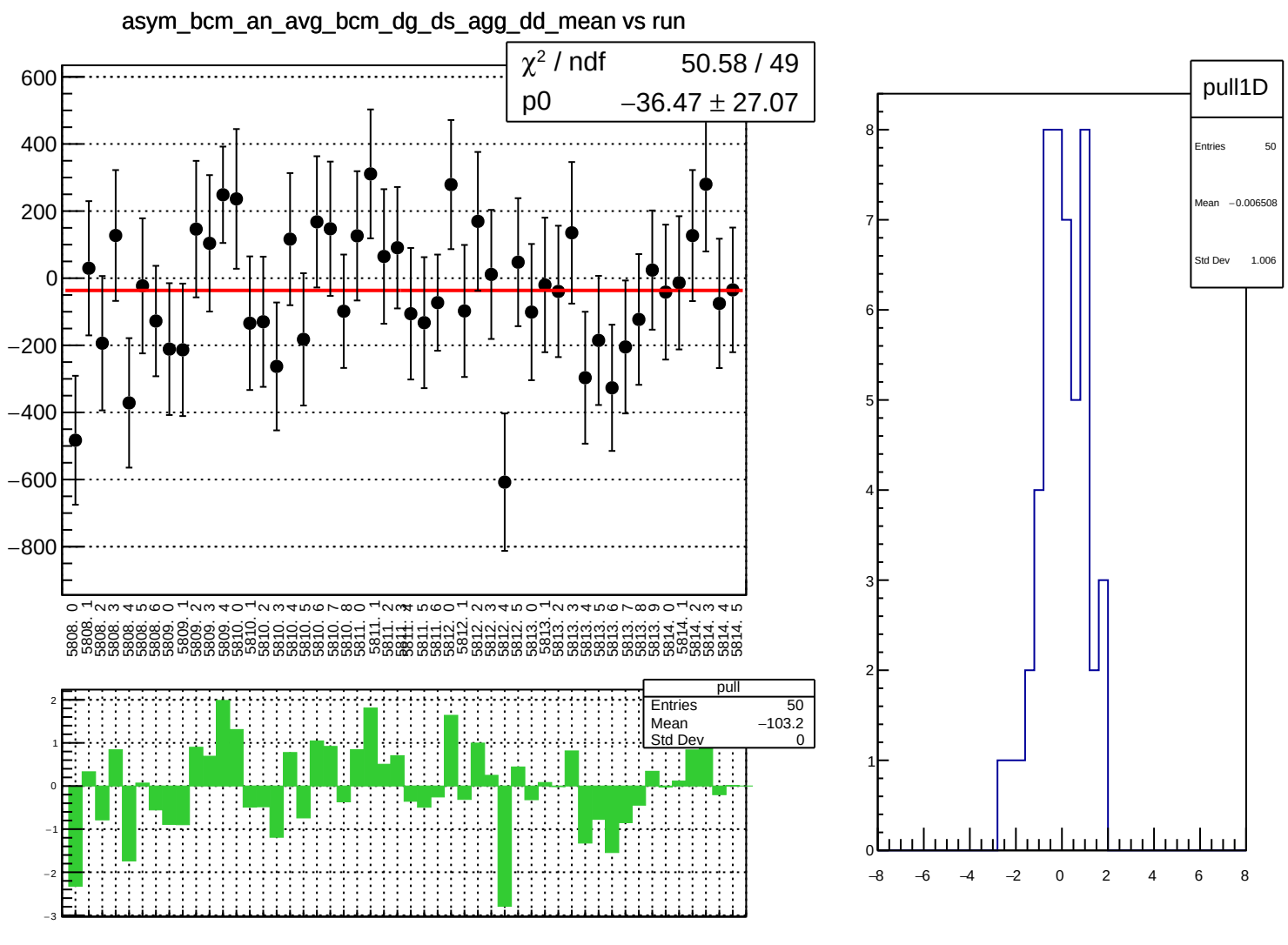

yield_atr2_mean vs run
χ² / ndf 8.455e+04 / 49
p0 0.02164 ± 4.072e−07
0.0221
0.022
0.0219
0.0218
0.0217
0.0216
0.0215
pull
Entries 50
Mean 155.8
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

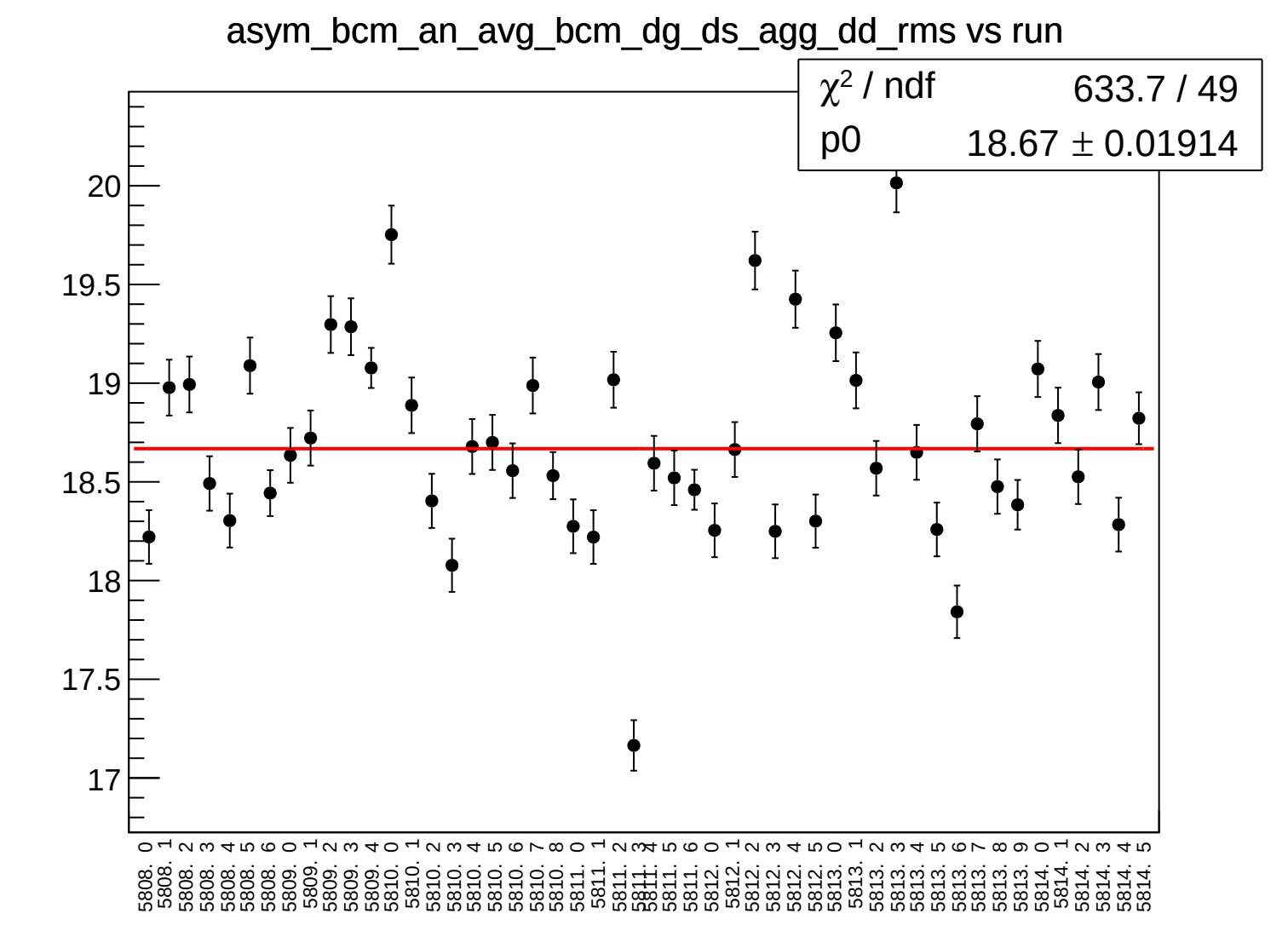

pull1D
Entries 50
Mean −2.623
Std Dev 4.624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

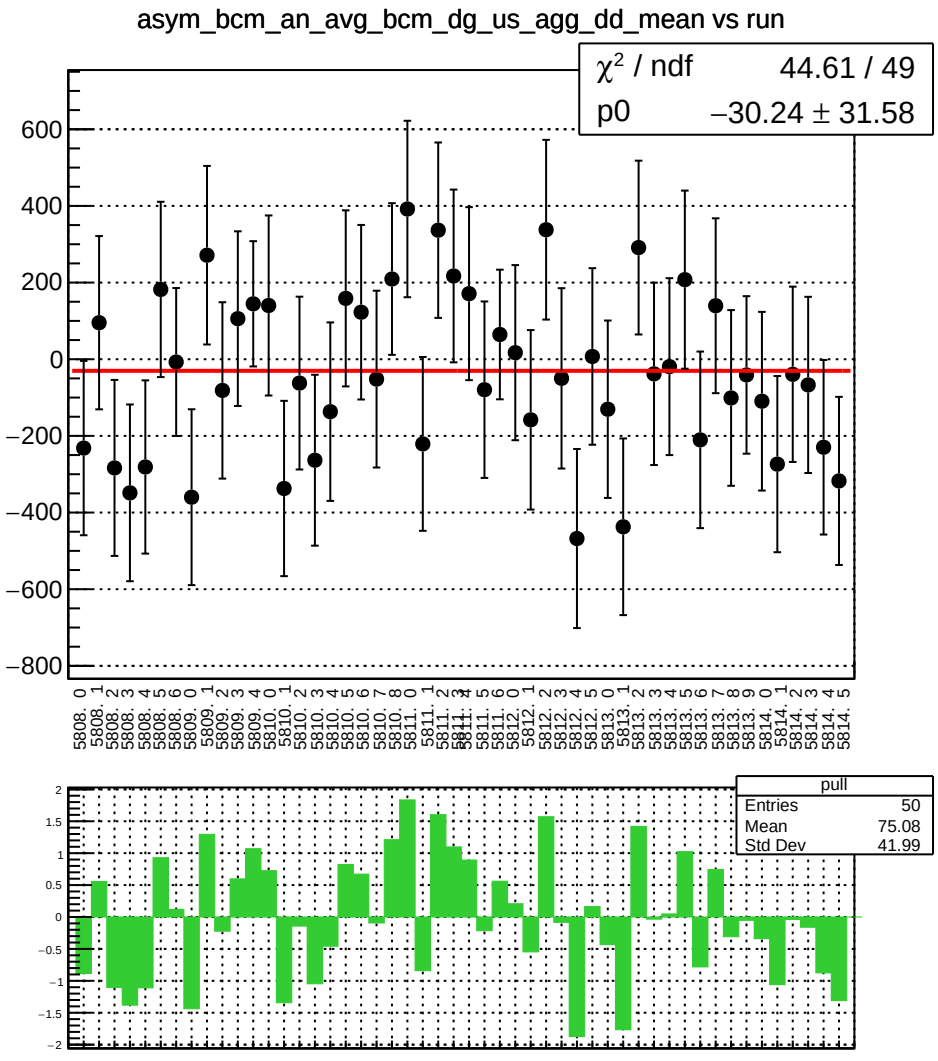

yield_atr2_rms vs run
×10⁻³
χ² / ndf 4.971e+04 / 49
p0 0.0002735 ± 2.879e−07
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

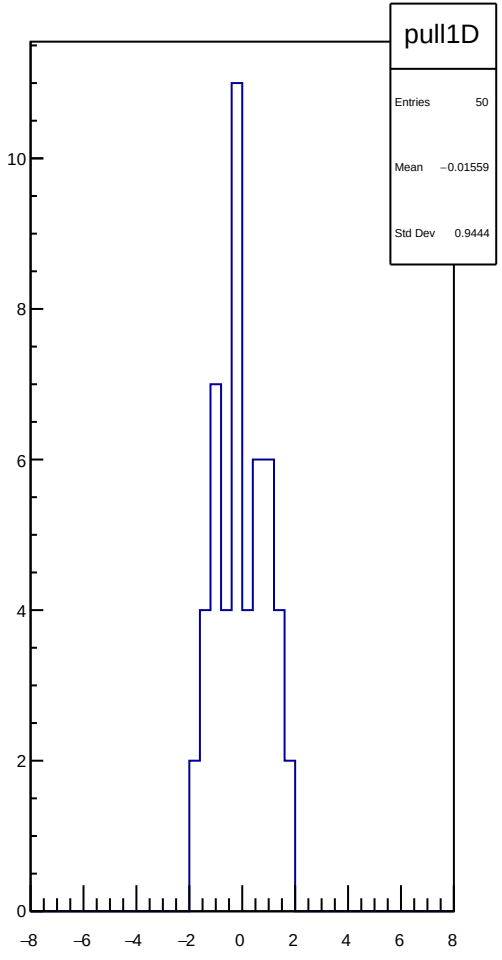

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.64 / 49
p0 269.5 ± 185.1
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 243
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.007174
Std Dev 0.4824
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

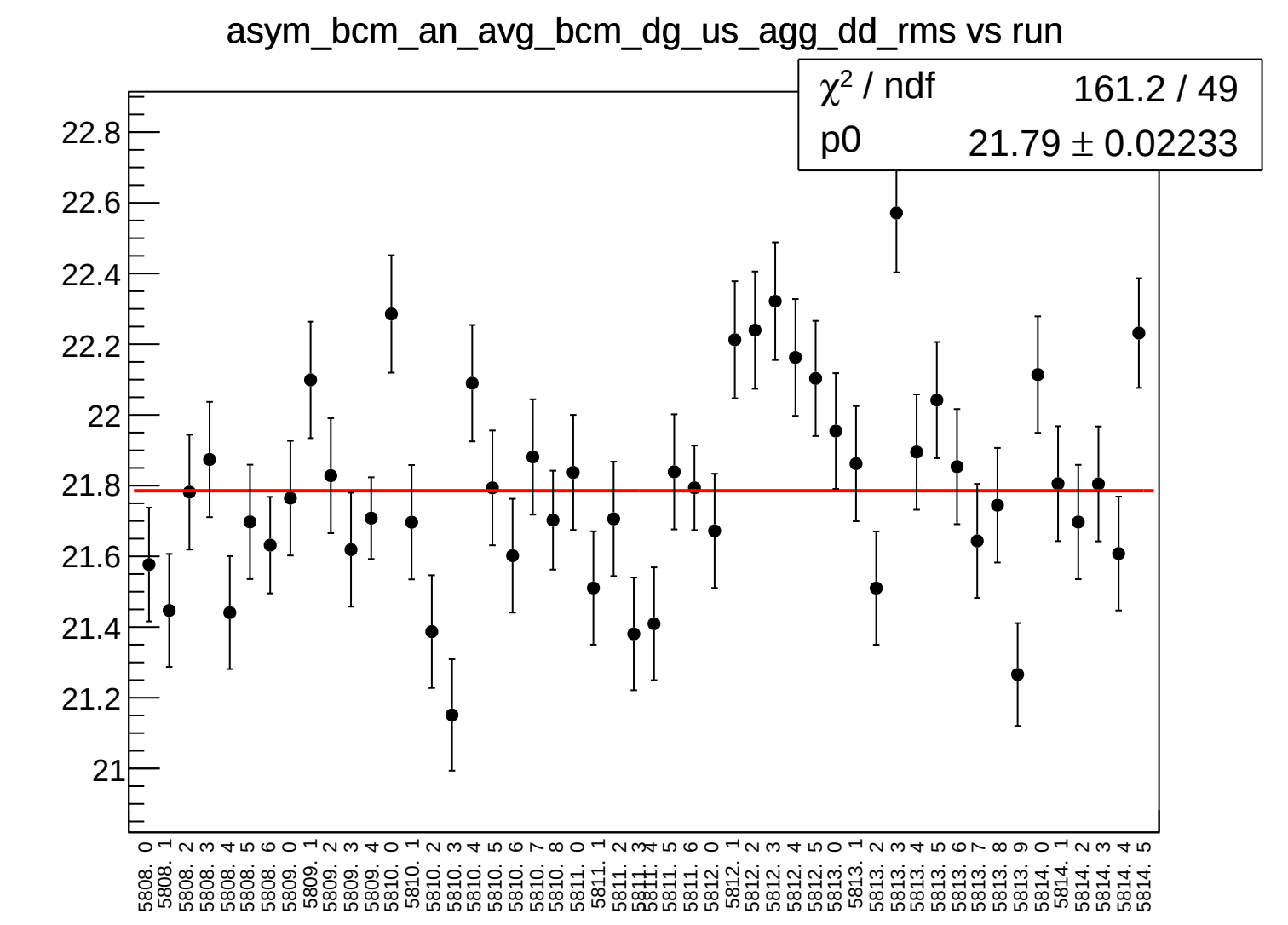

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.904e+04 / 49
p0 125.1 ± 0.1309
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

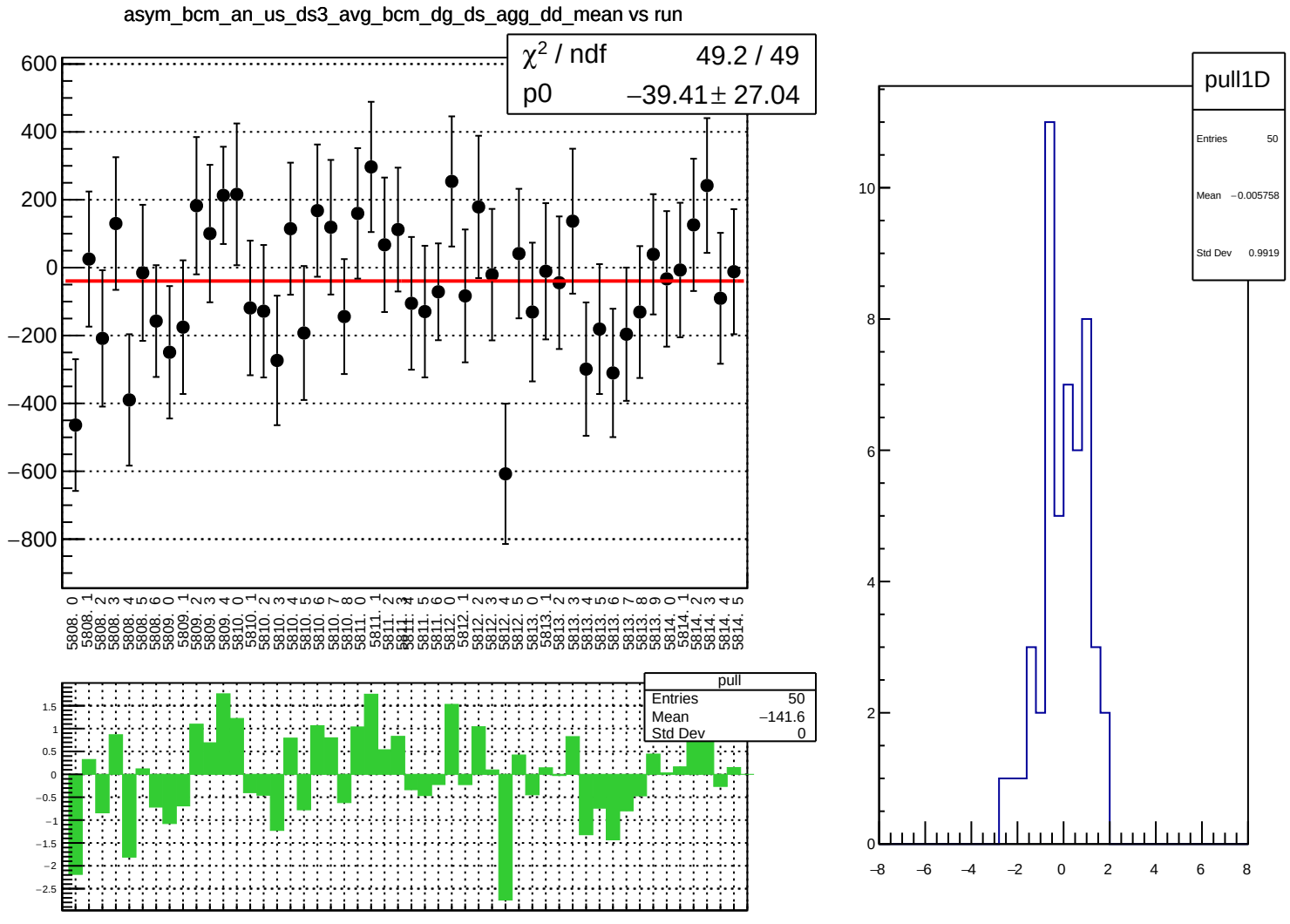

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 50.58 / 49
p0 −36.47 ± 27.07
pull
Entries 50
Mean −103.2
Std Dev 0
pull1D
Entries 50
Mean −0.006508
Std Dev 1.006

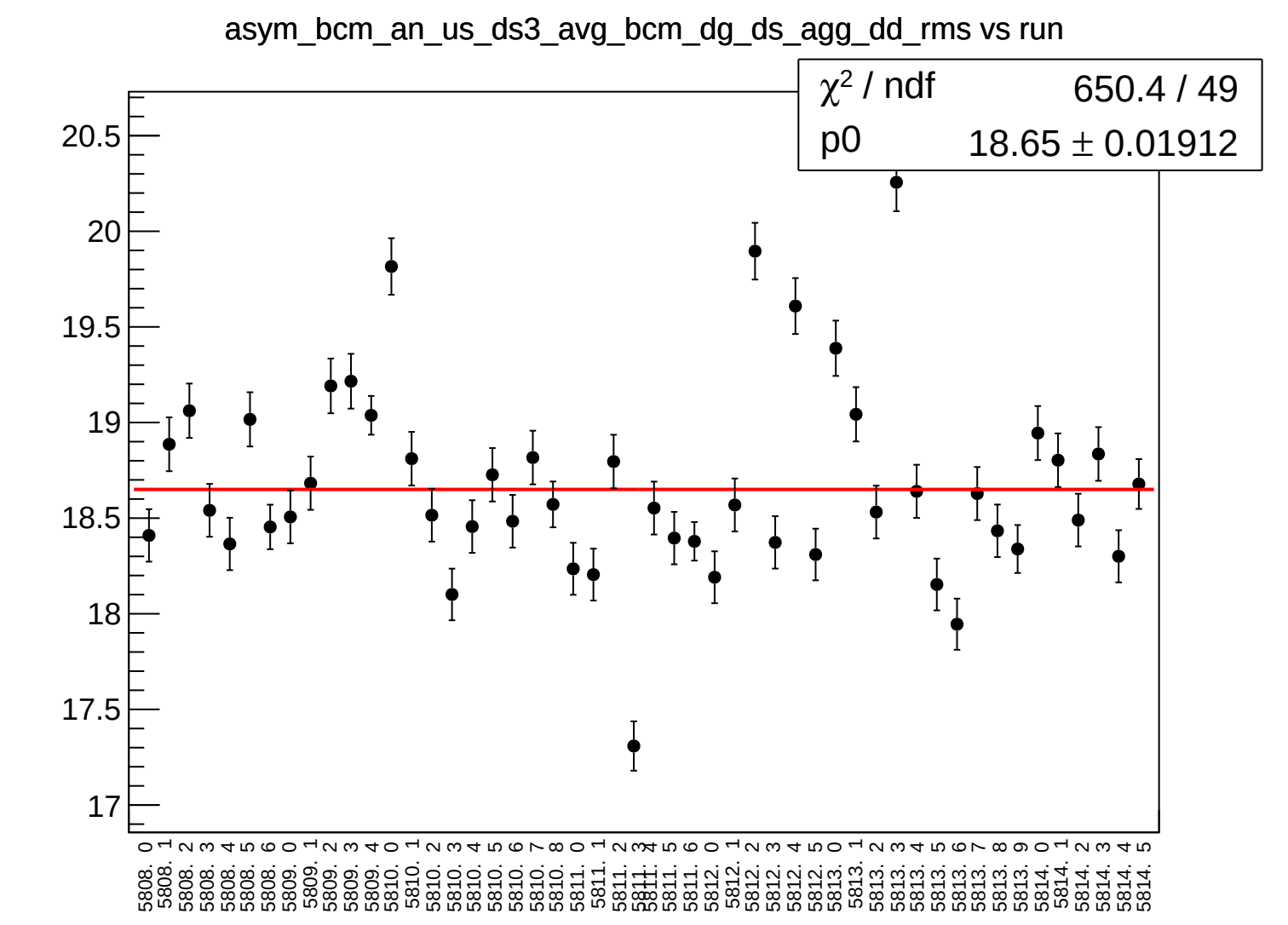

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 633.7 / 49
p0 18.67 ± 0.01914
20
19.5
19
18.5
18
17.5
17
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

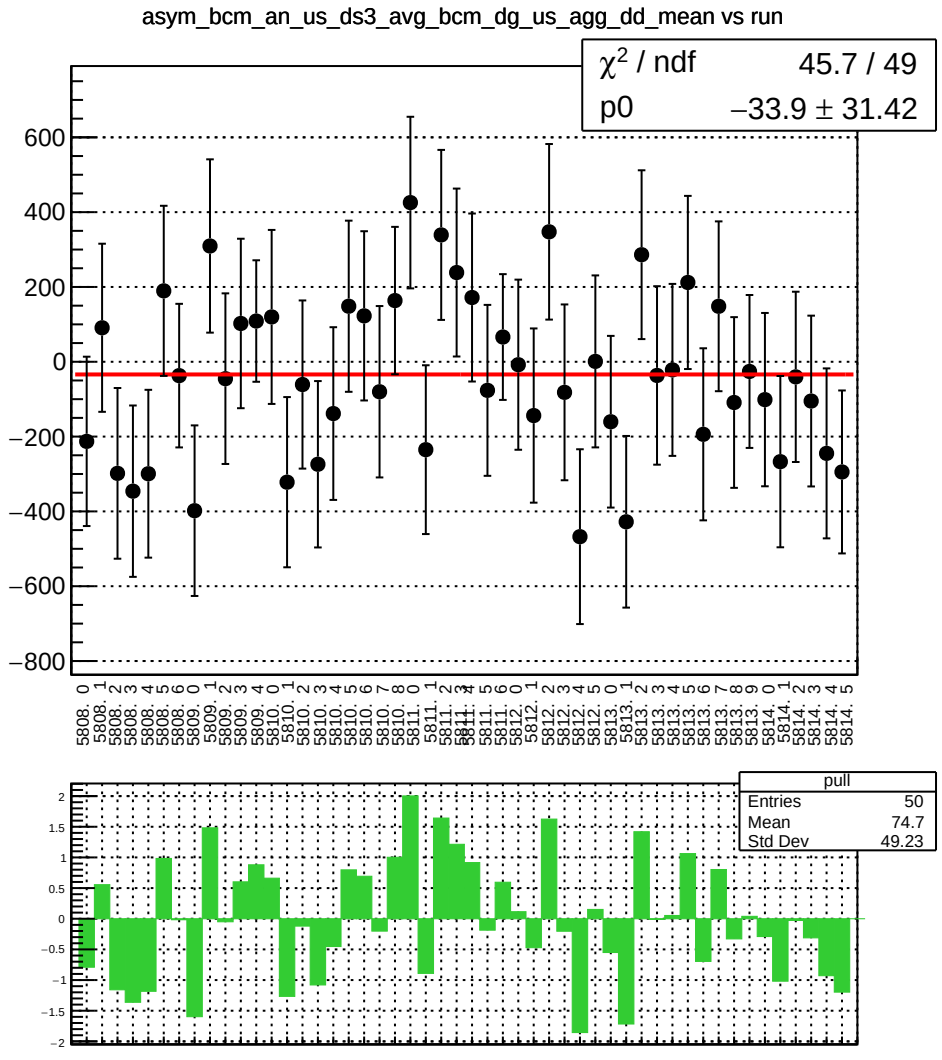

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 44.61 / 49
p0 −30.24 ± 31.58
pull
Entries 50
Mean 75.08
Std Dev 41.99

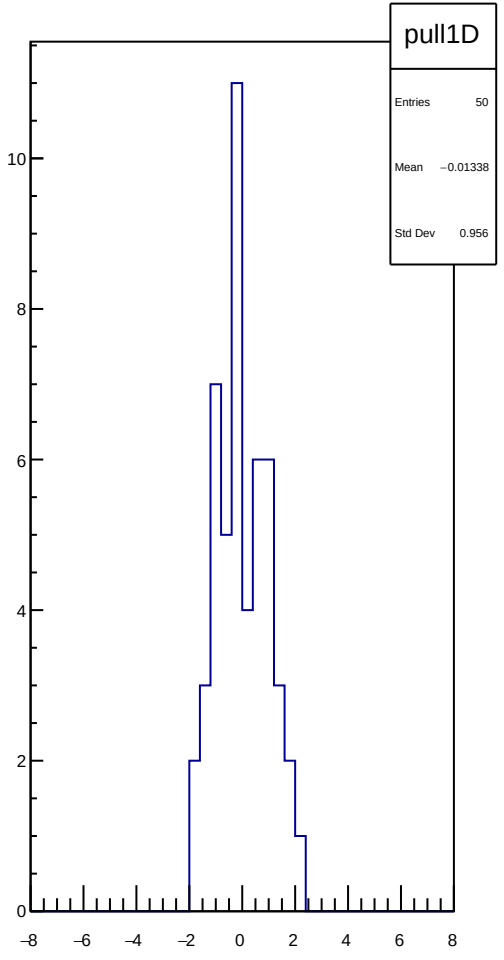

pull1D
Entries 50
Mean −0.01559
Std Dev 0.9444

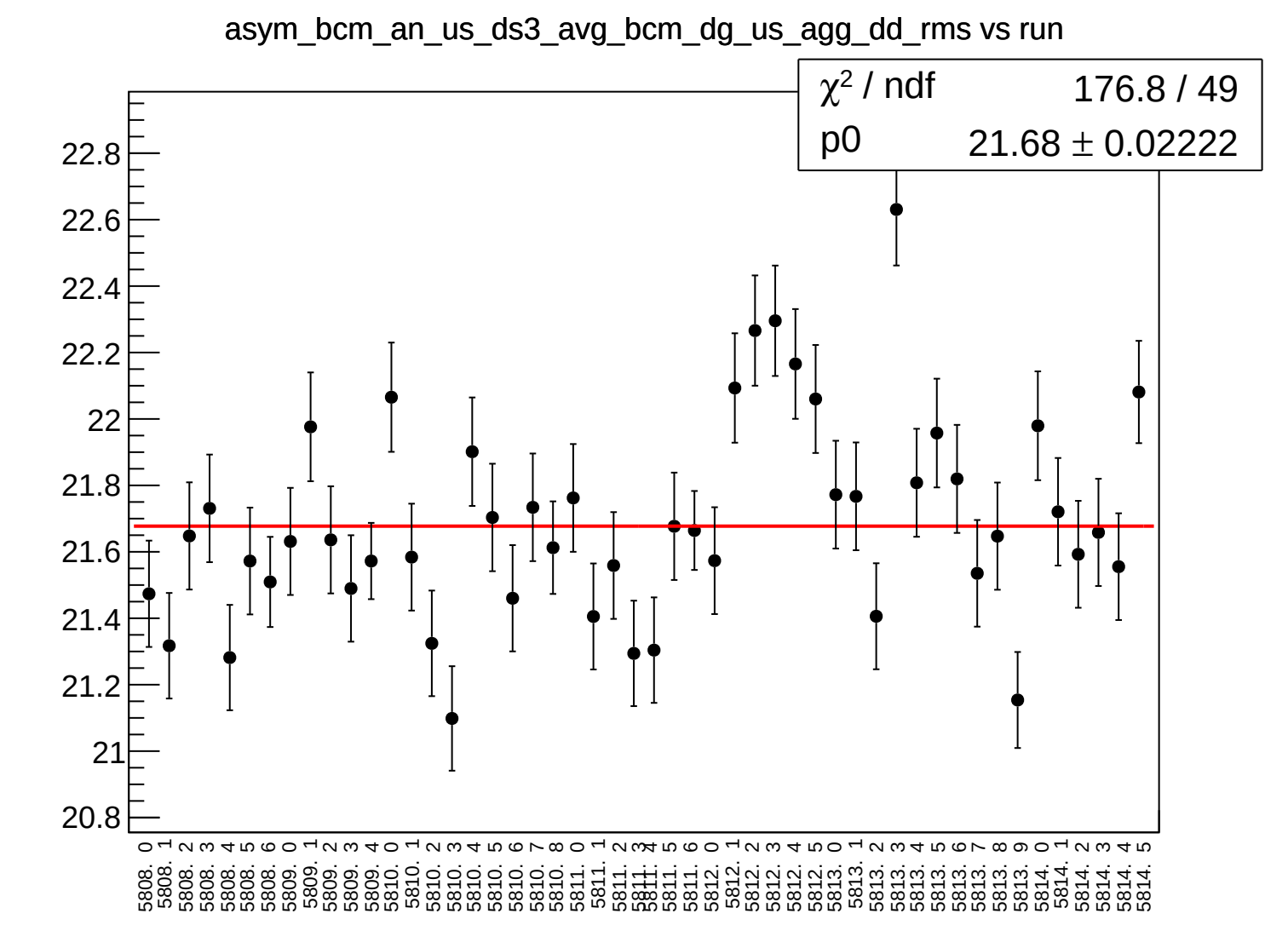

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 161.2 / 49
p0 21.79 ± 0.02233
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

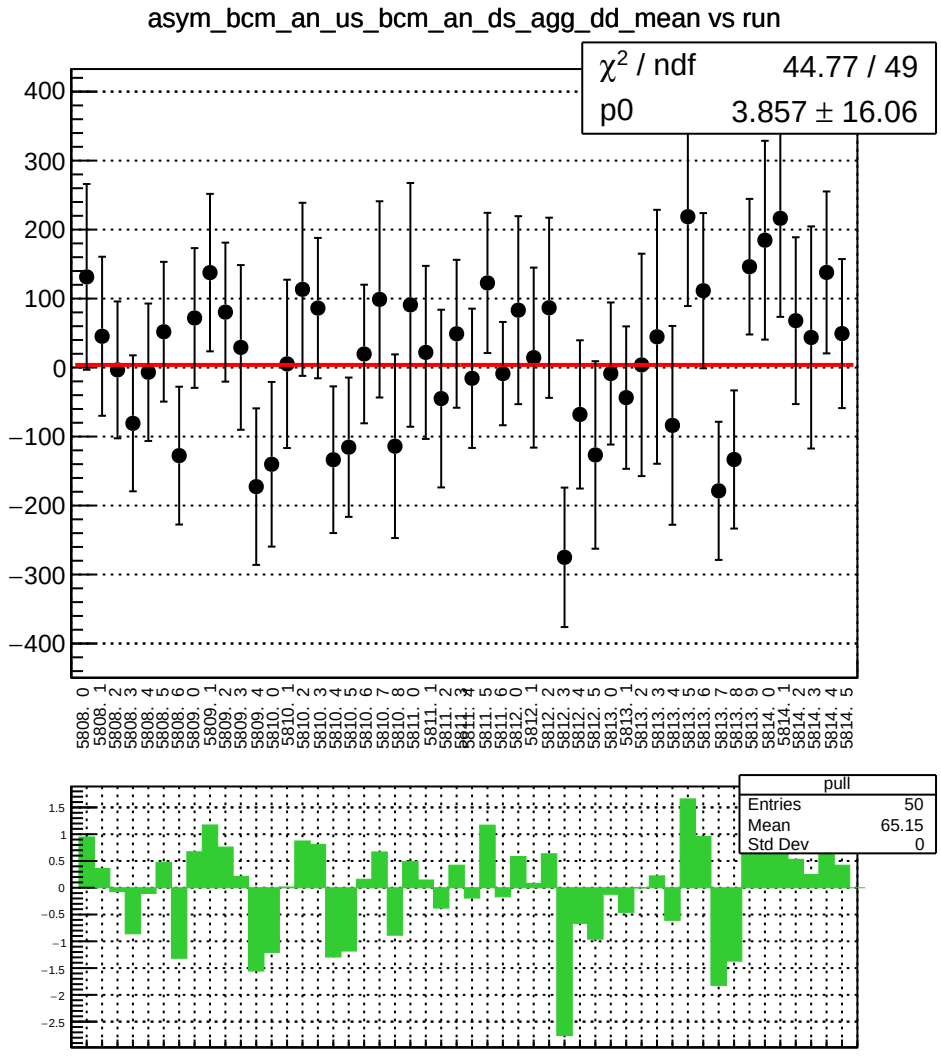

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 49.2 / 49
p0 −39.41 ± 27.04
pull
Entries 50
Mean −141.6
Std Dev 0
pull1D
Entries 50
Mean −0.005758
Std Dev 0.9919

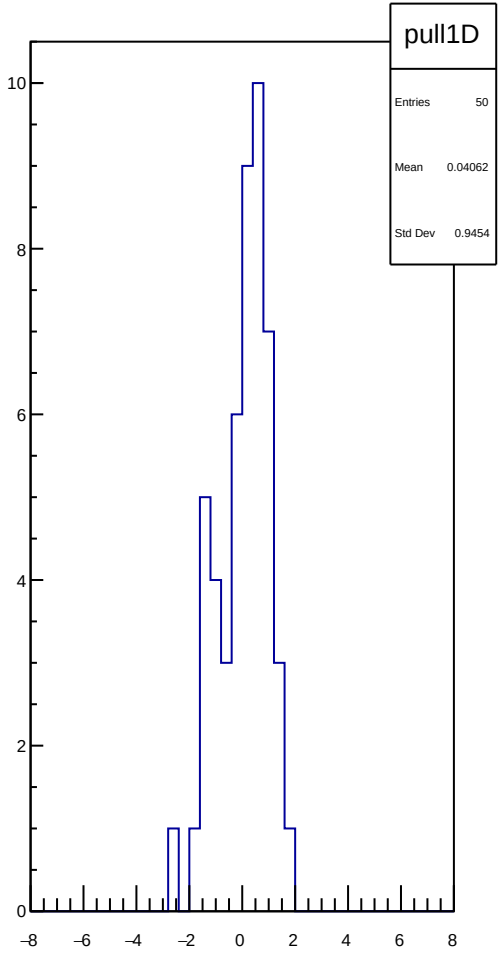

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 650.4 / 49
p0 18.65 ± 0.01912
20.5
20
19.5
19
18.5
18
17.5
17
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

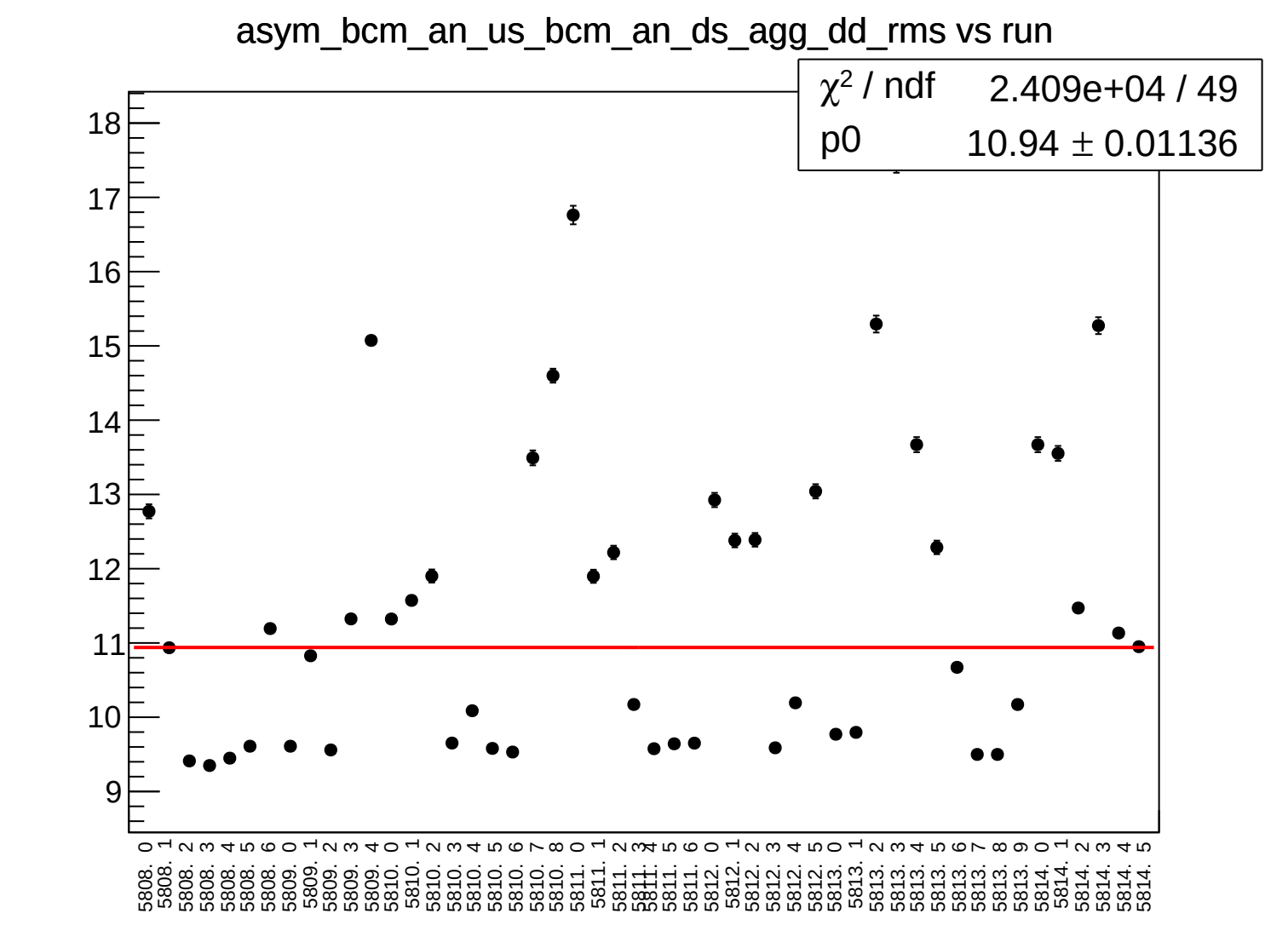

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 45.7 / 49
p0 −33.9 ± 31.42
pull
Entries 50
Mean 74.7
Std Dev 49.23


pull1D
Entries 50
Mean −0.01338
Std Dev 0.956


asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 176.8 / 49
p0 21.68 ± 0.02222
22.8
22.6
22.4
22.2
22
21.8
21.6
21.4
21.2
21
20.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 44.77 / 49
p0 3.857 ± 16.06
pull
Entries 50
Mean 65.15
Std Dev 0


pull1D
Entries 50
Mean 0.04062
Std Dev 0.9454


asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2.409e+04 / 49
p0 10.94 ± 0.01136
18
17
16
15
14
13
12
11
10
9
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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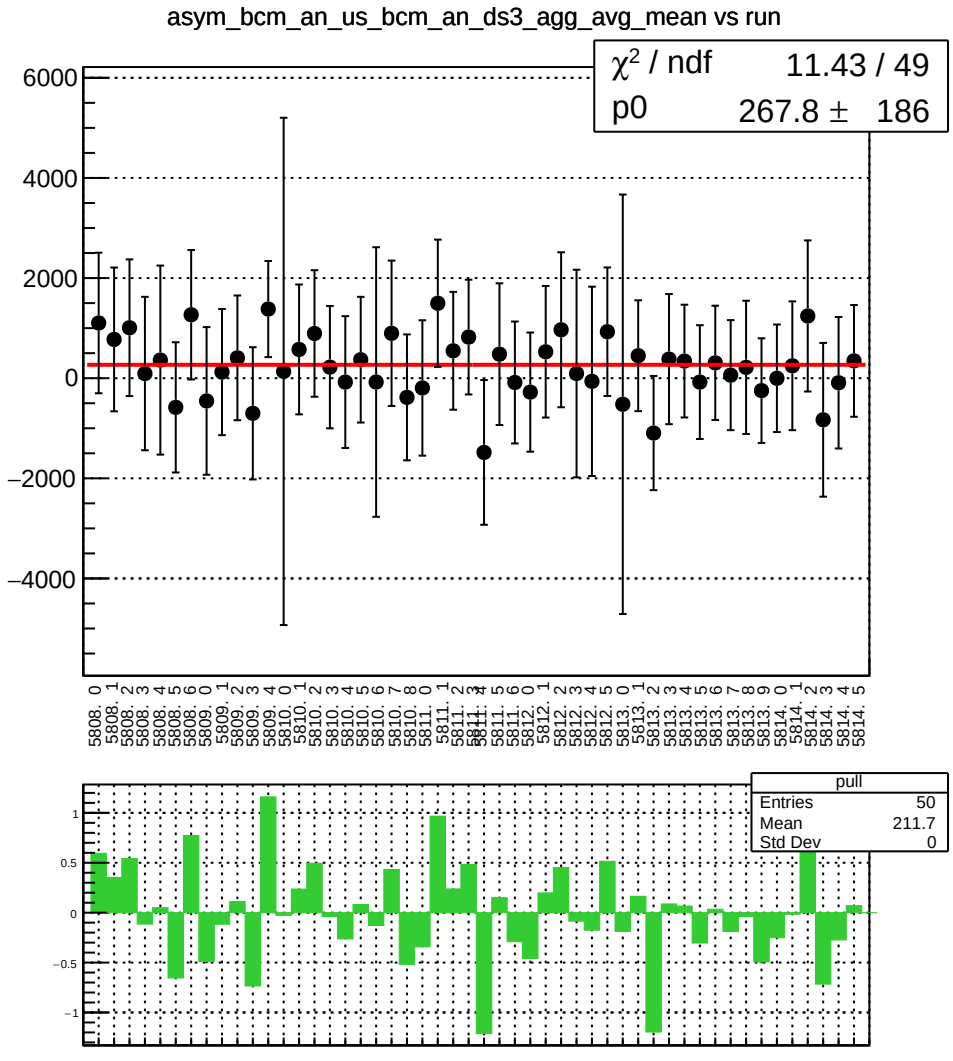
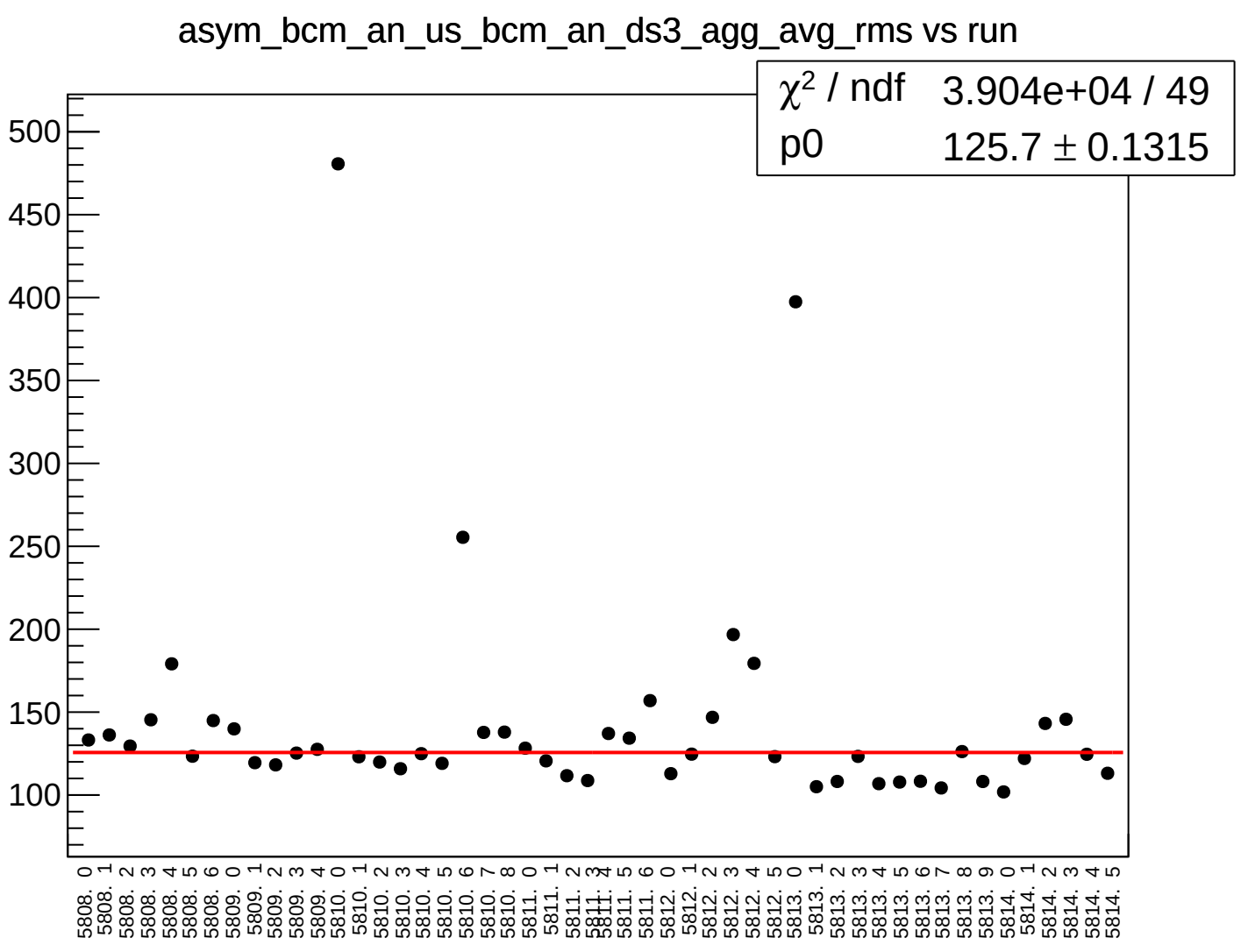
5814. 4
5814. 5


asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 11.43 / 49
p0 267.8 ± 186
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 211.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.008106
Std Dev 0.4781
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.904e+04 / 49
p0 125.7 ± 0.1315
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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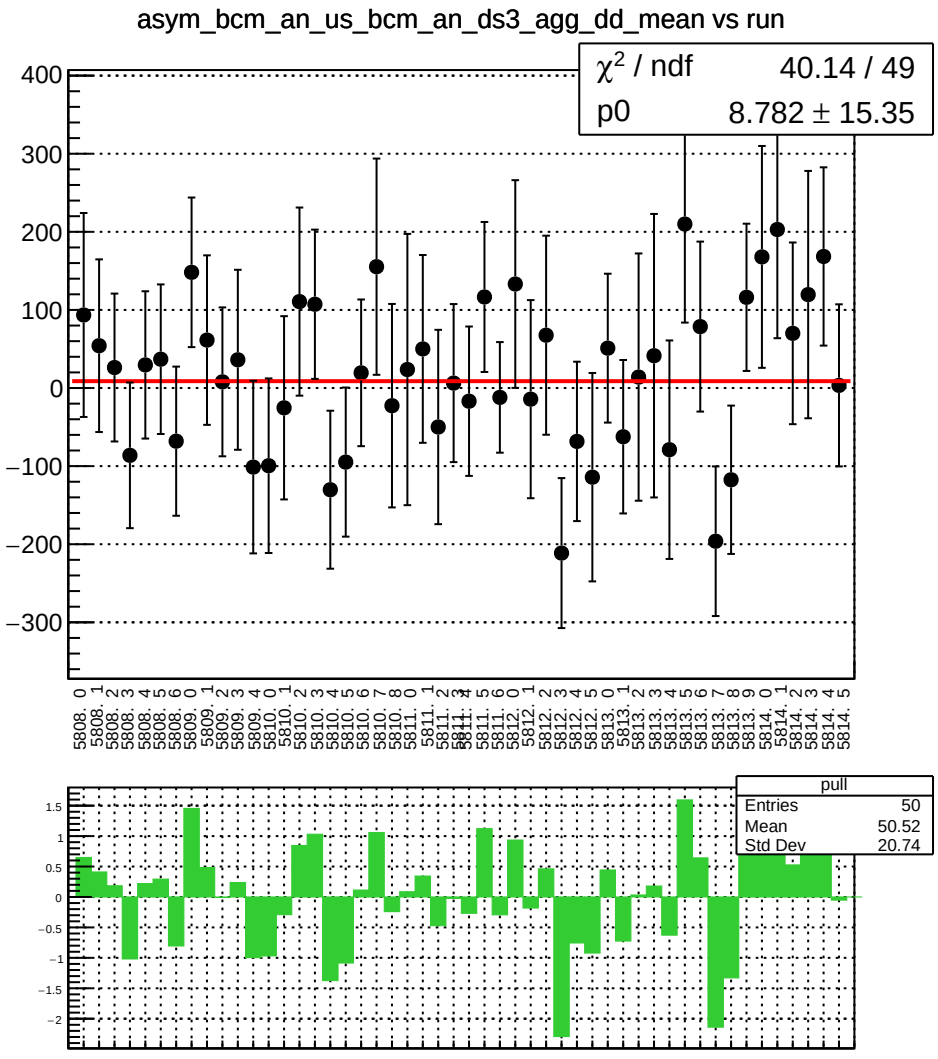
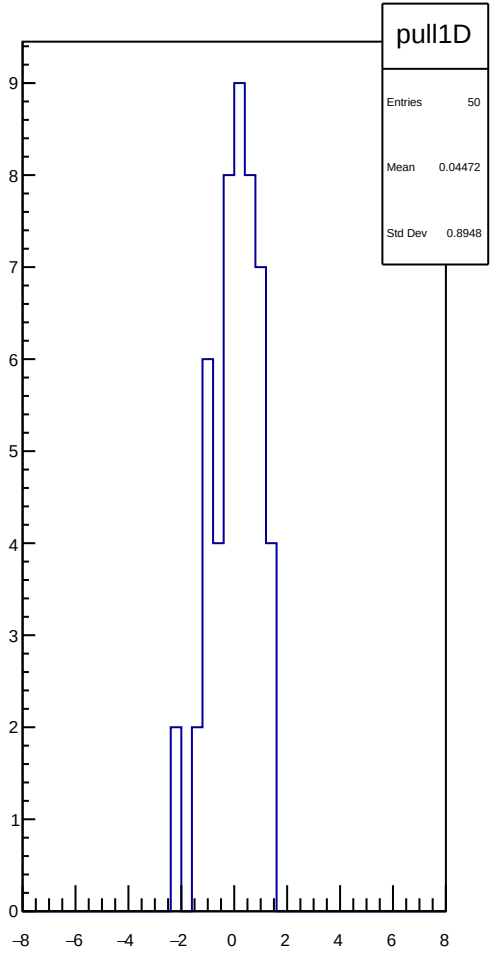
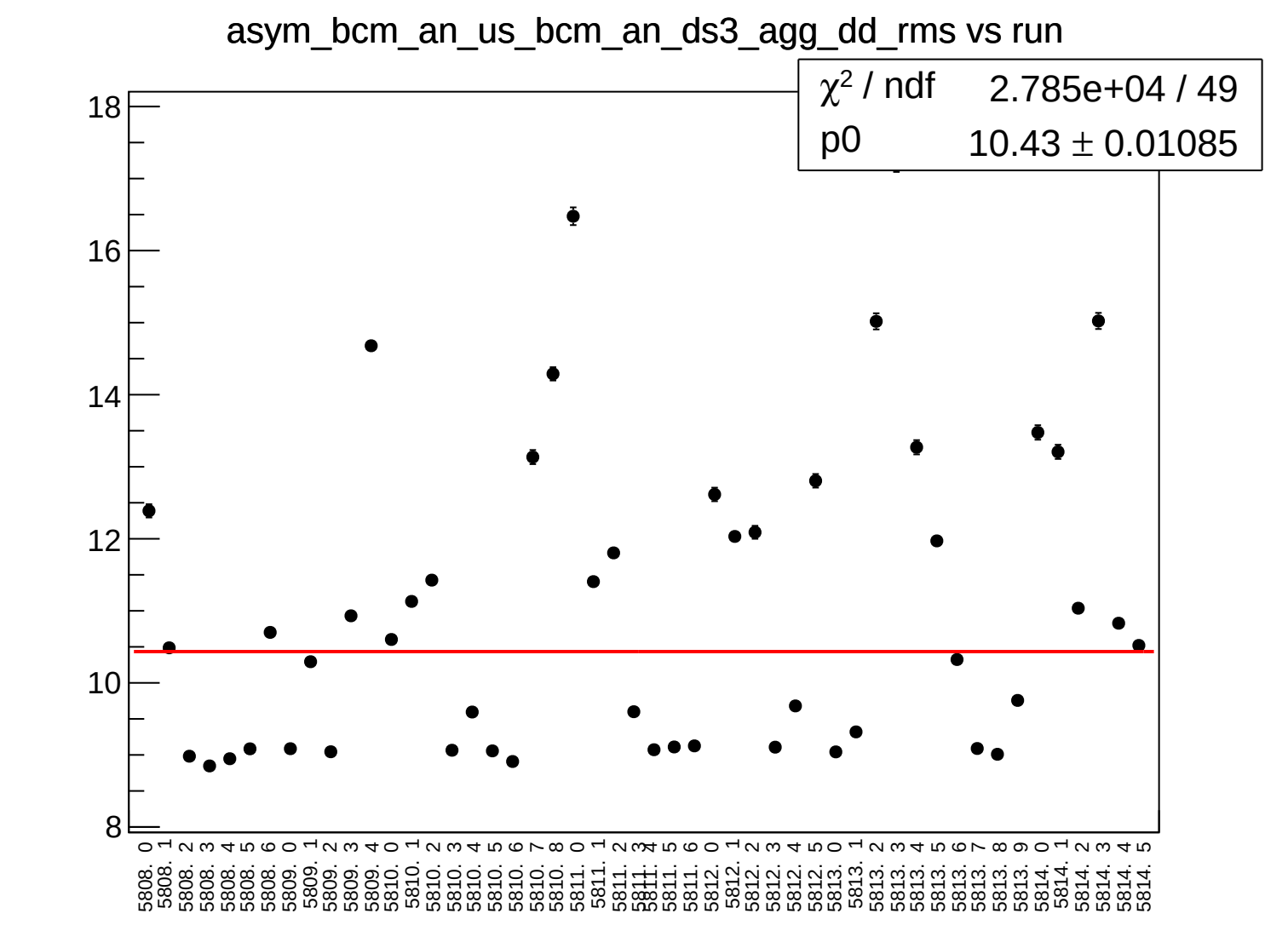
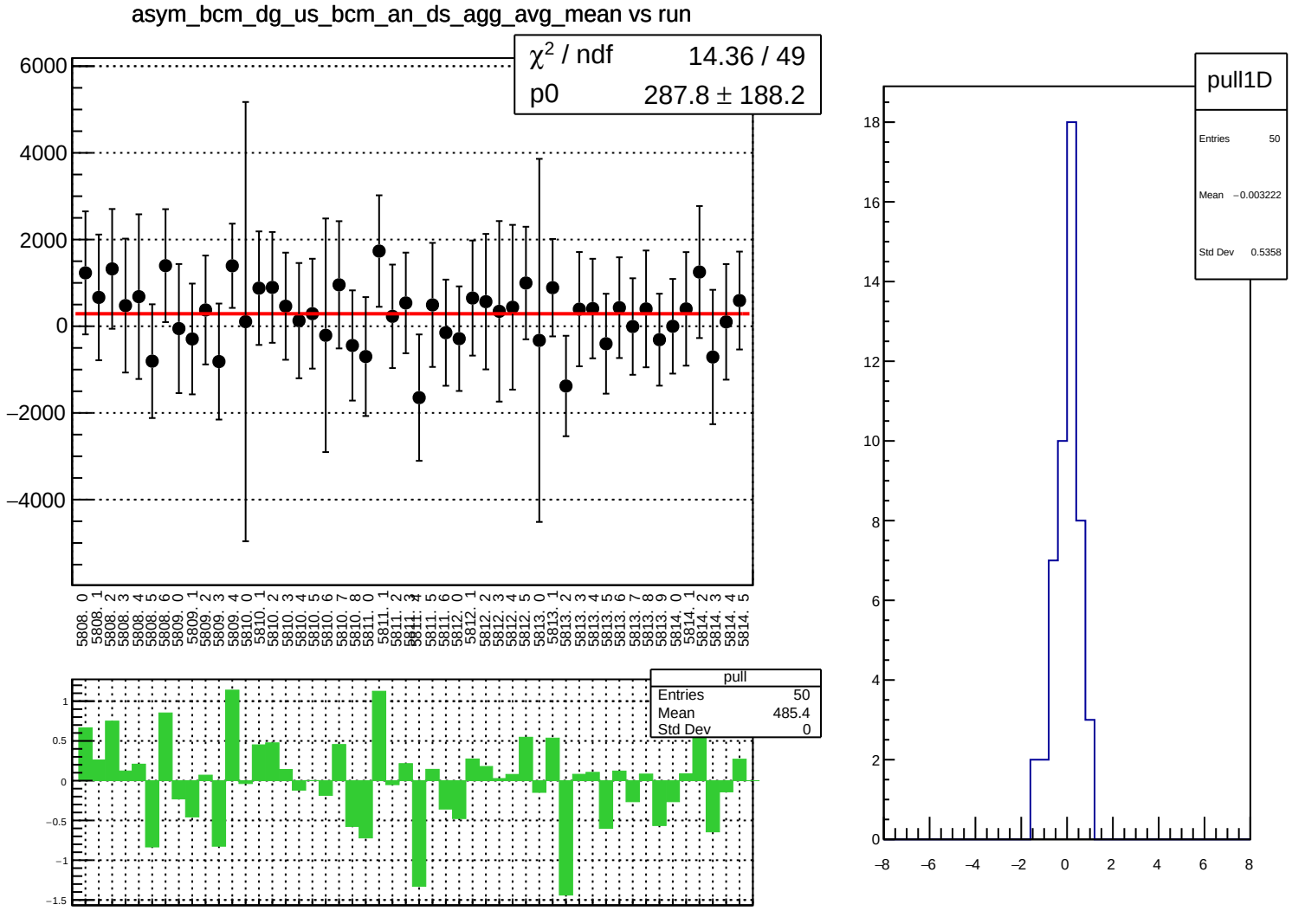
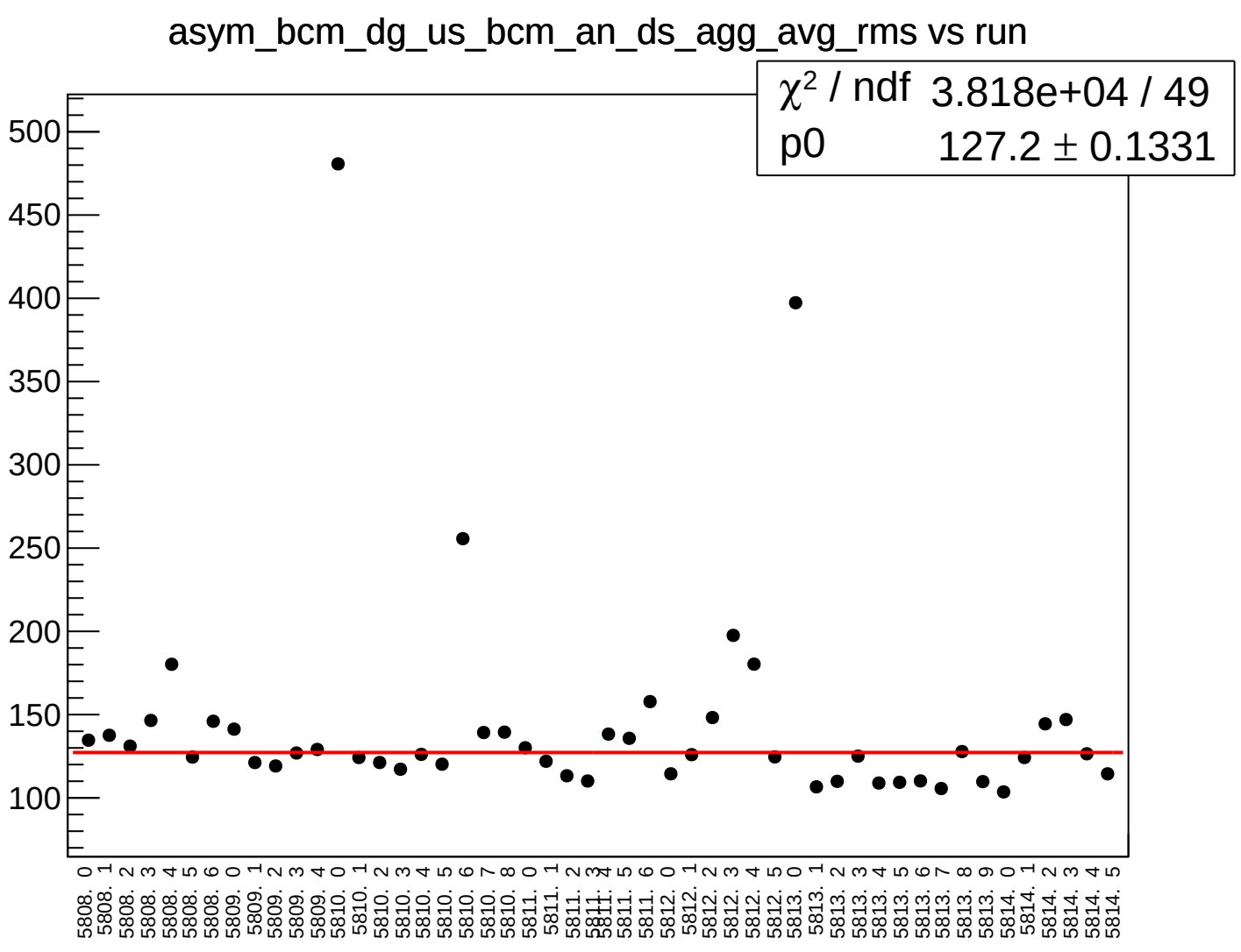
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 40.14 / 49
p0 8.782 ± 15.35
pull
Entries 50
Mean 50.52
Std Dev 20.74


pull1D
Entries 50
Mean 0.04472
Std Dev 0.8948


asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 2.785e+04 / 49
p0 10.43 ± 0.01085
18
16
14
12
10
8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 14.36 / 49
p0 287.8 ± 188.2
pull
Entries 50
Mean 485.4
Std Dev 0
pull1D
Entries 50
Mean −0.003222
Std Dev 0.5358


asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.818e+04 / 49
p0 127.2 ± 0.1331
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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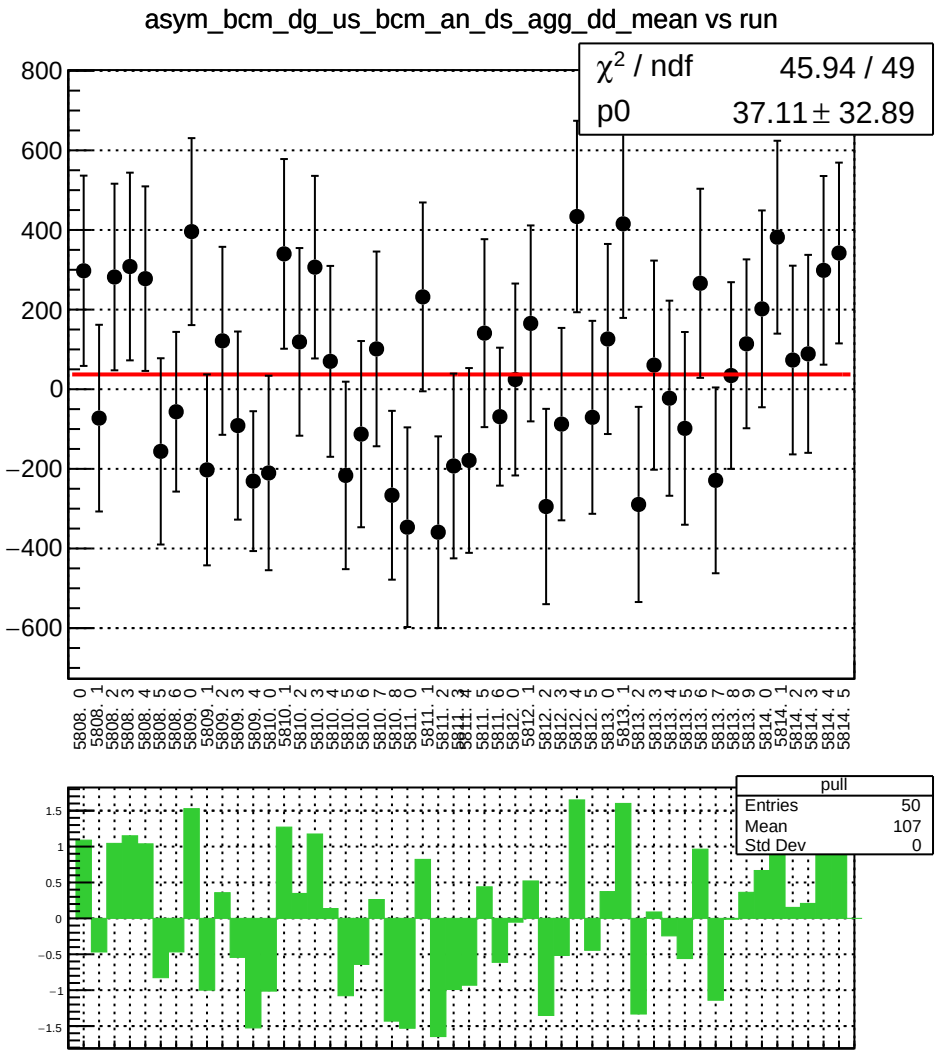
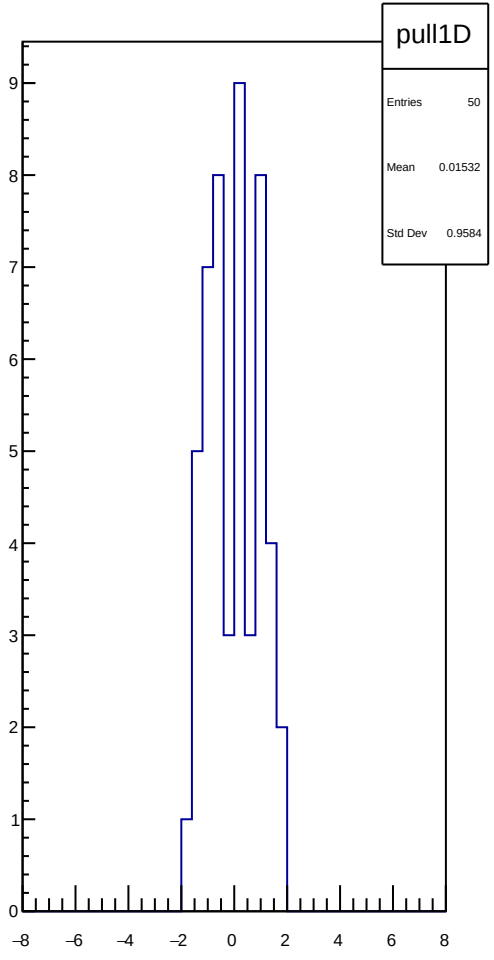
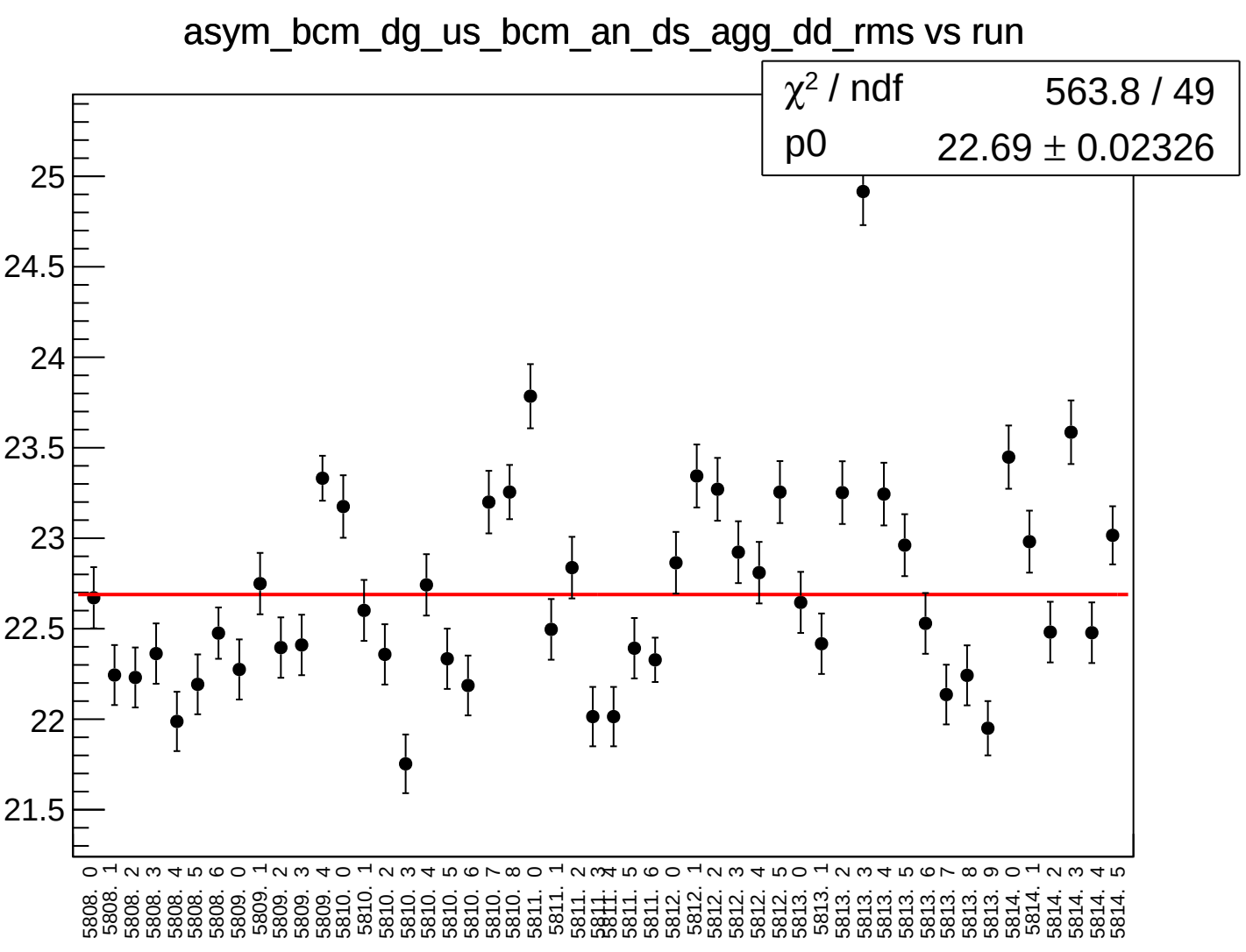
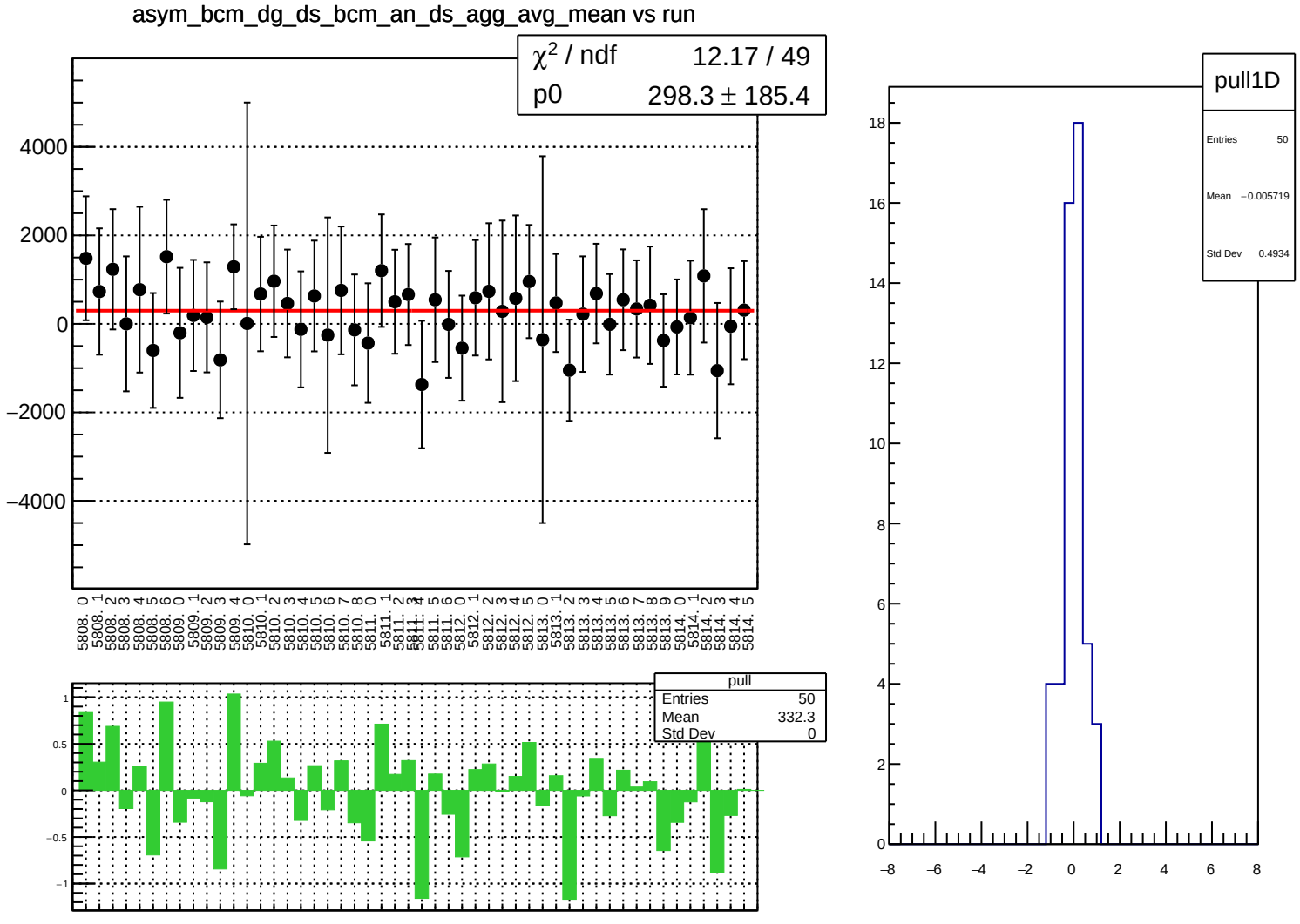
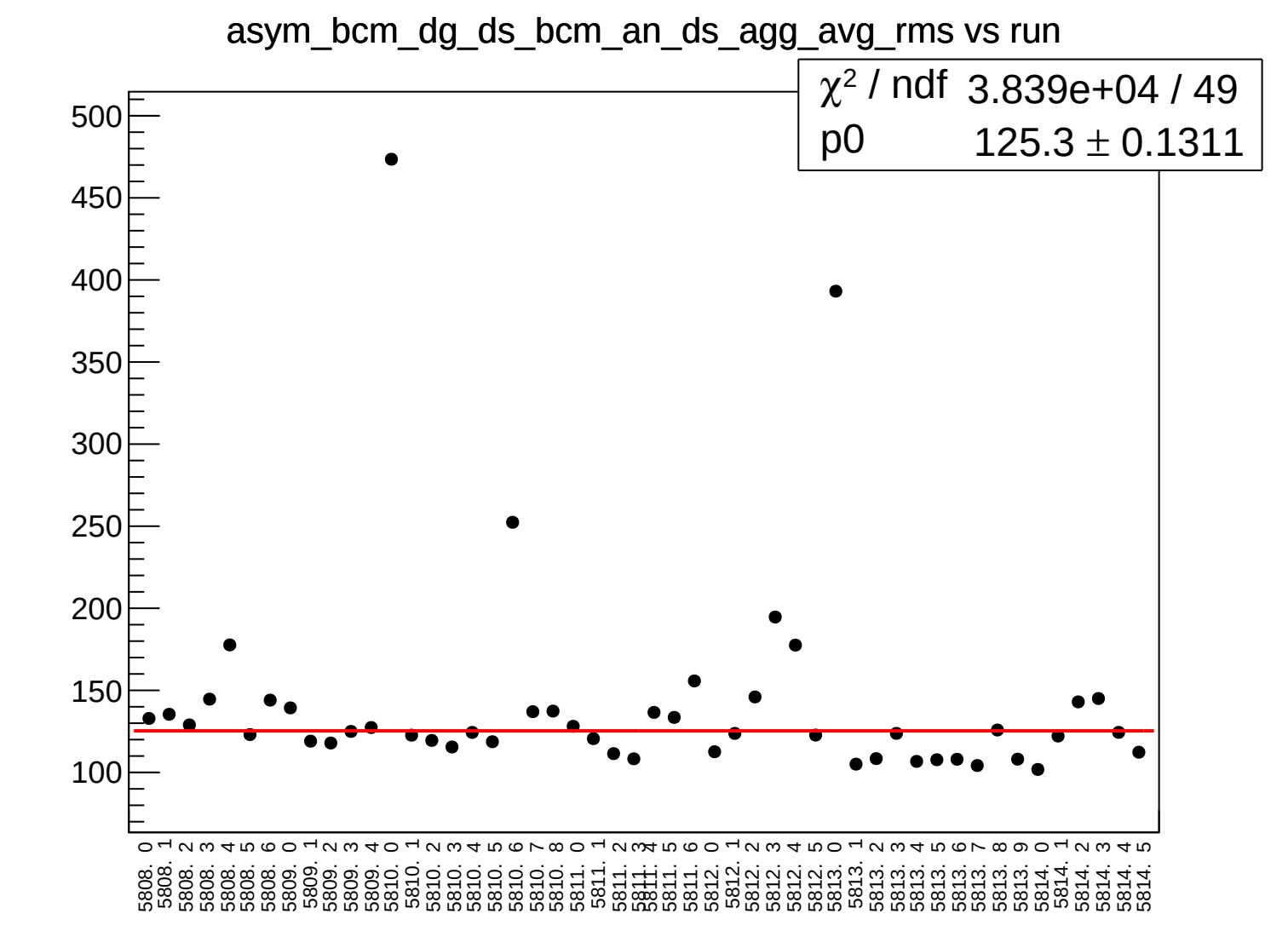
5814. 4
5814. 5

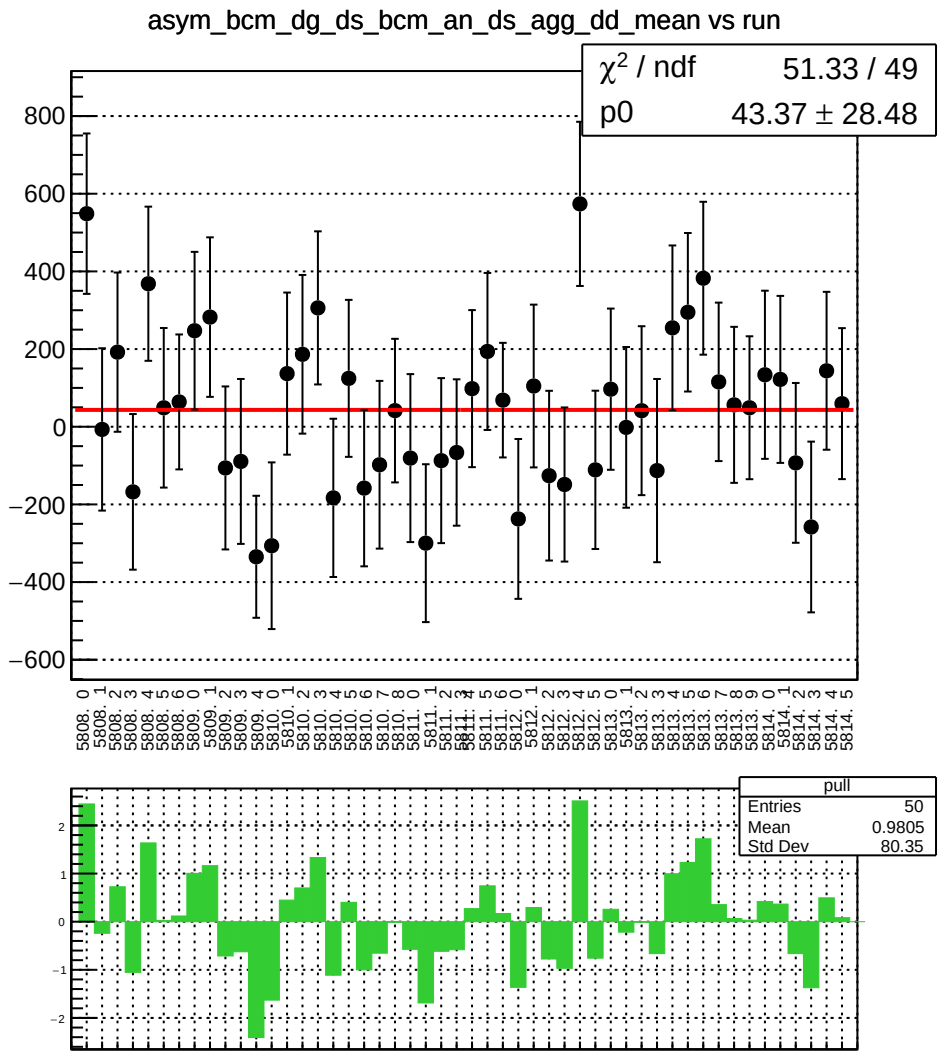

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 45.94 / 49
p0 37.11 ± 32.89
pull
Entries 50
Mean 107
Std Dev 0

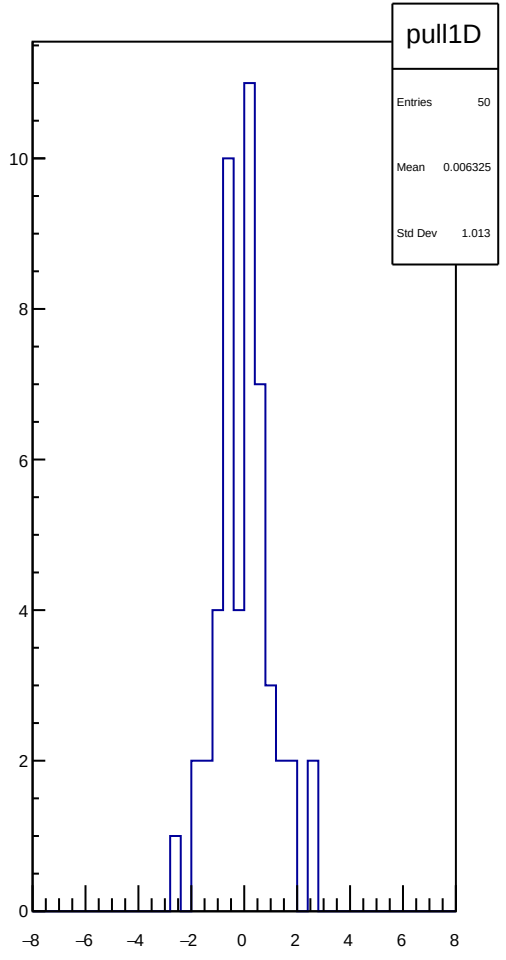

pull1D
Entries 50
Mean 0.01532
Std Dev 0.9584

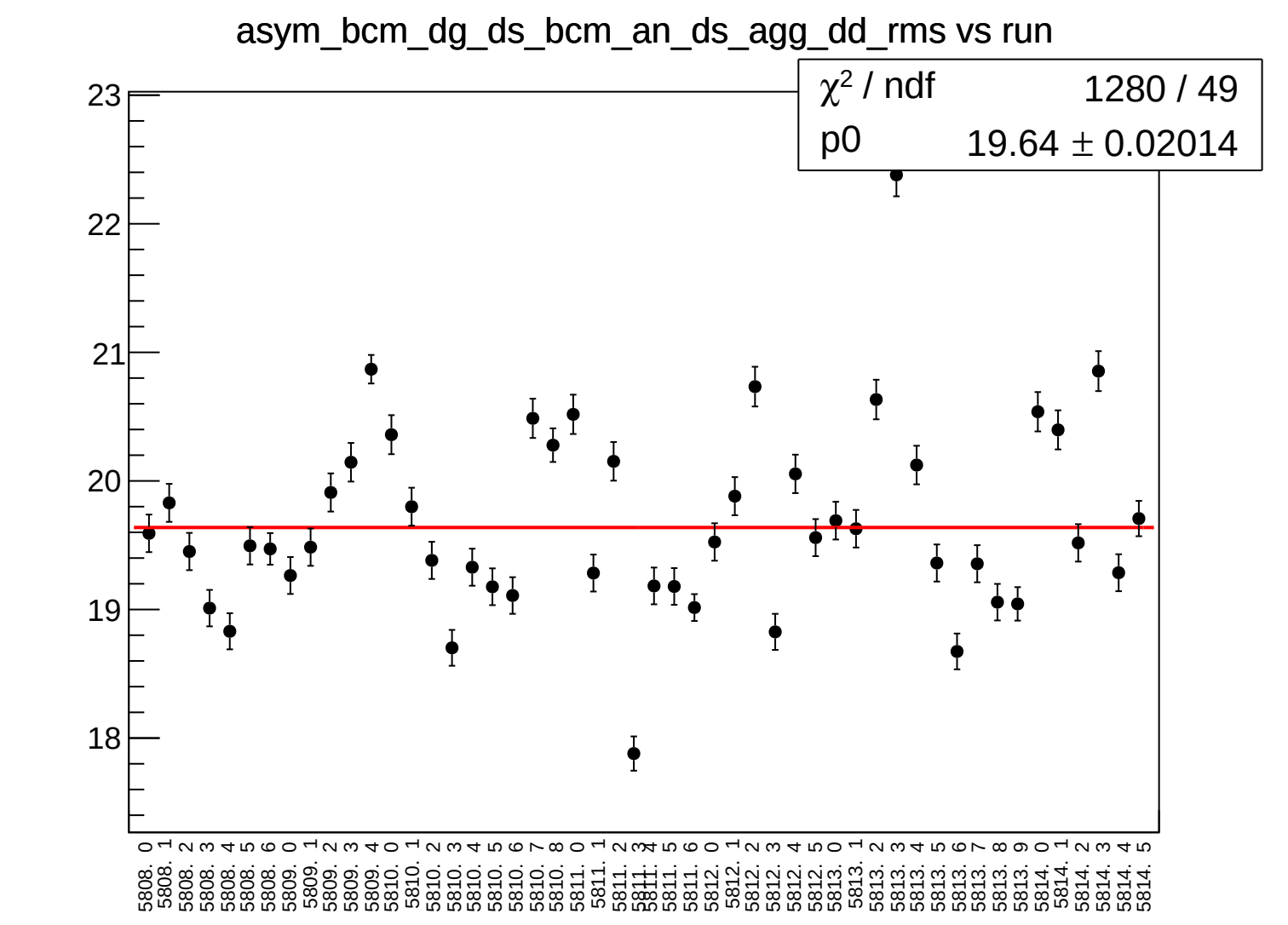

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 563.8 / 49
p0 22.69 ± 0.02326
25
24.5
24
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

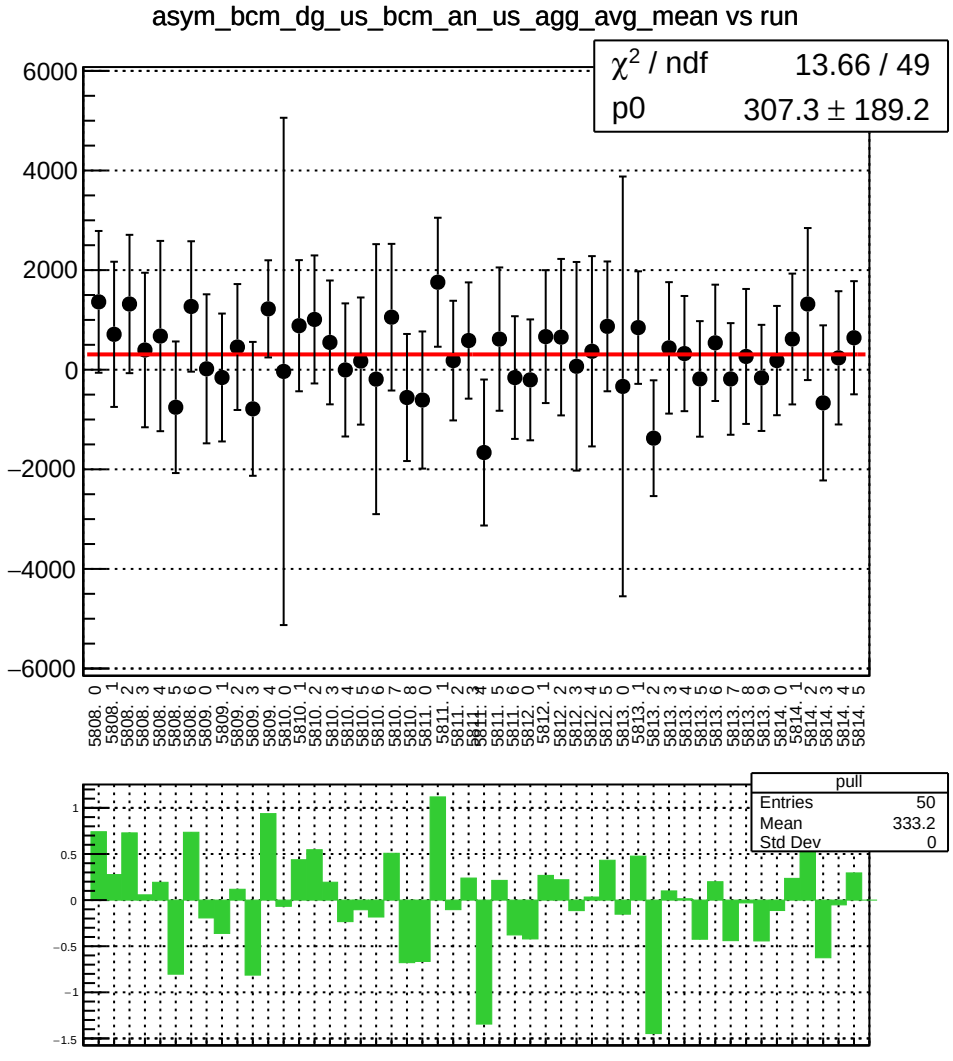

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 12.17 / 49
p0 298.3 ± 185.4
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 332.3
Std Dev 0
pull1D
Entries 50
Mean −0.005719
Std Dev 0.4934

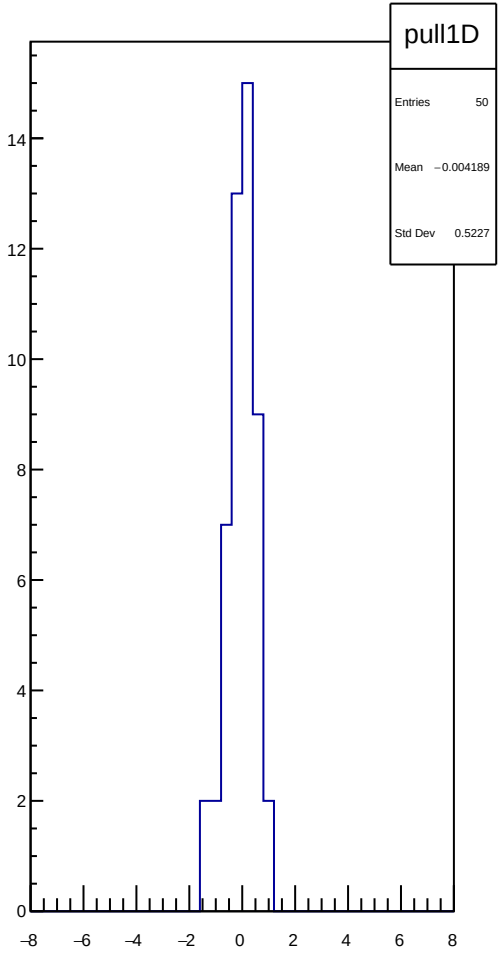

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.839e+04 / 49
p0 125.3 ± 0.1311
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

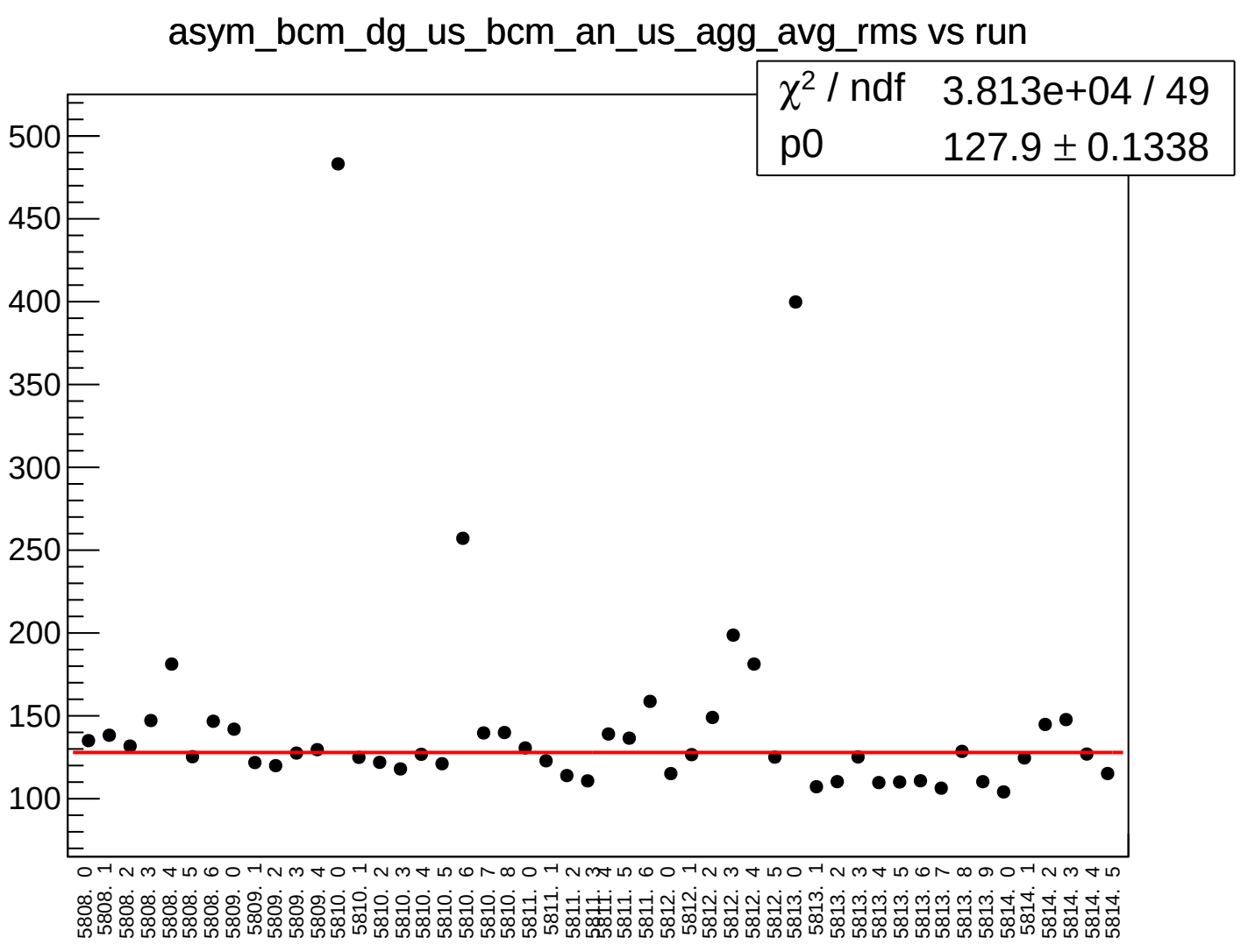

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 51.33 / 49
p0 43.37 ± 28.48
pull
Entries 50
Mean 0.9805
Std Dev 80.35


pull1D
Entries 50
Mean 0.006325
Std Dev 1.013


asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1280 / 49
p0 19.64 ± 0.02014
23
22
21
20
19
18
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 13.66 / 49
p0 307.3 ± 189.2
pull
Entries 50
Mean 333.2
Std Dev 0


pull1D
Entries 50
Mean −0.004189
Std Dev 0.5227


asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.813e+04 / 49
p0 127.9 ± 0.1338
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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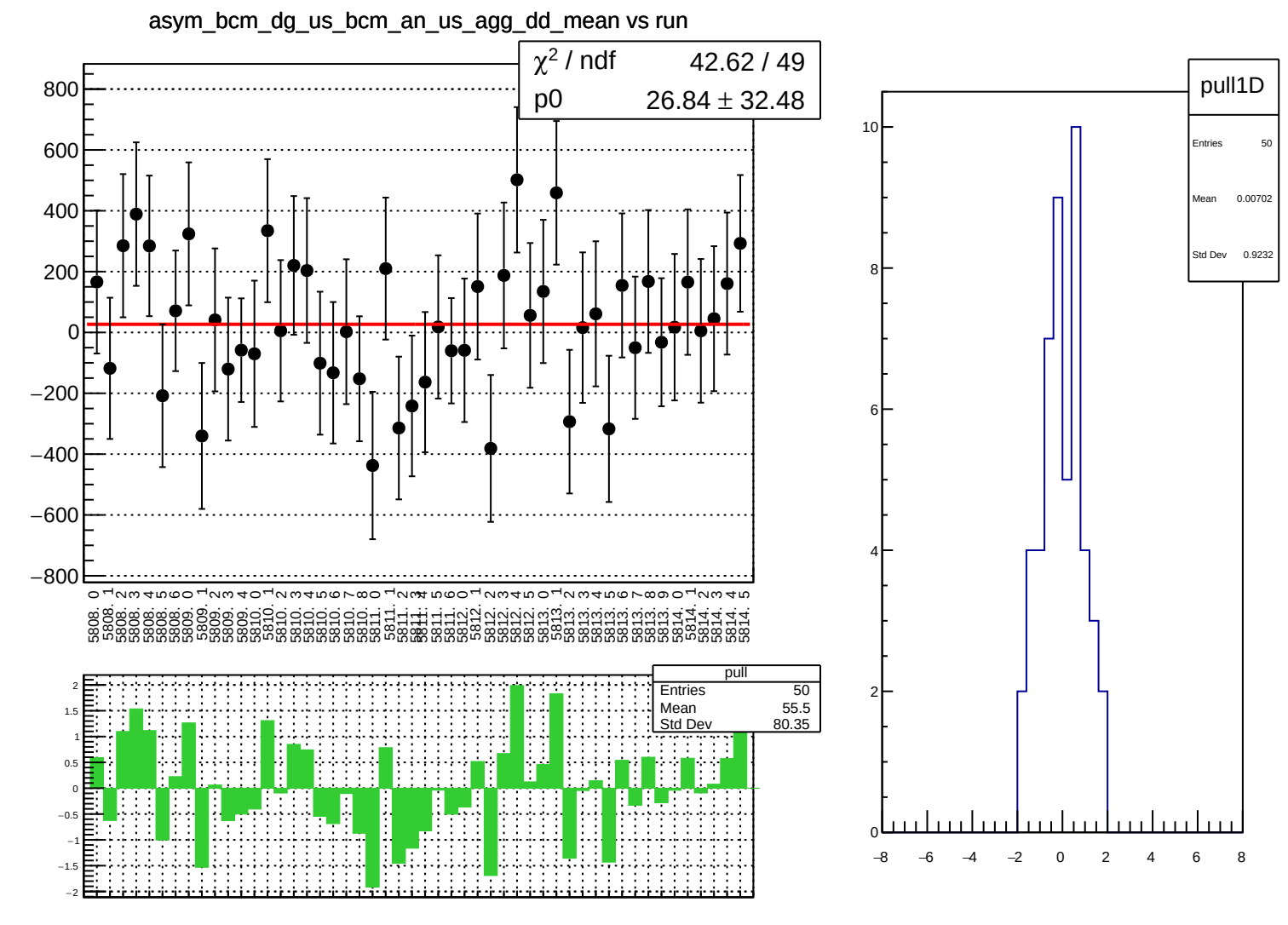
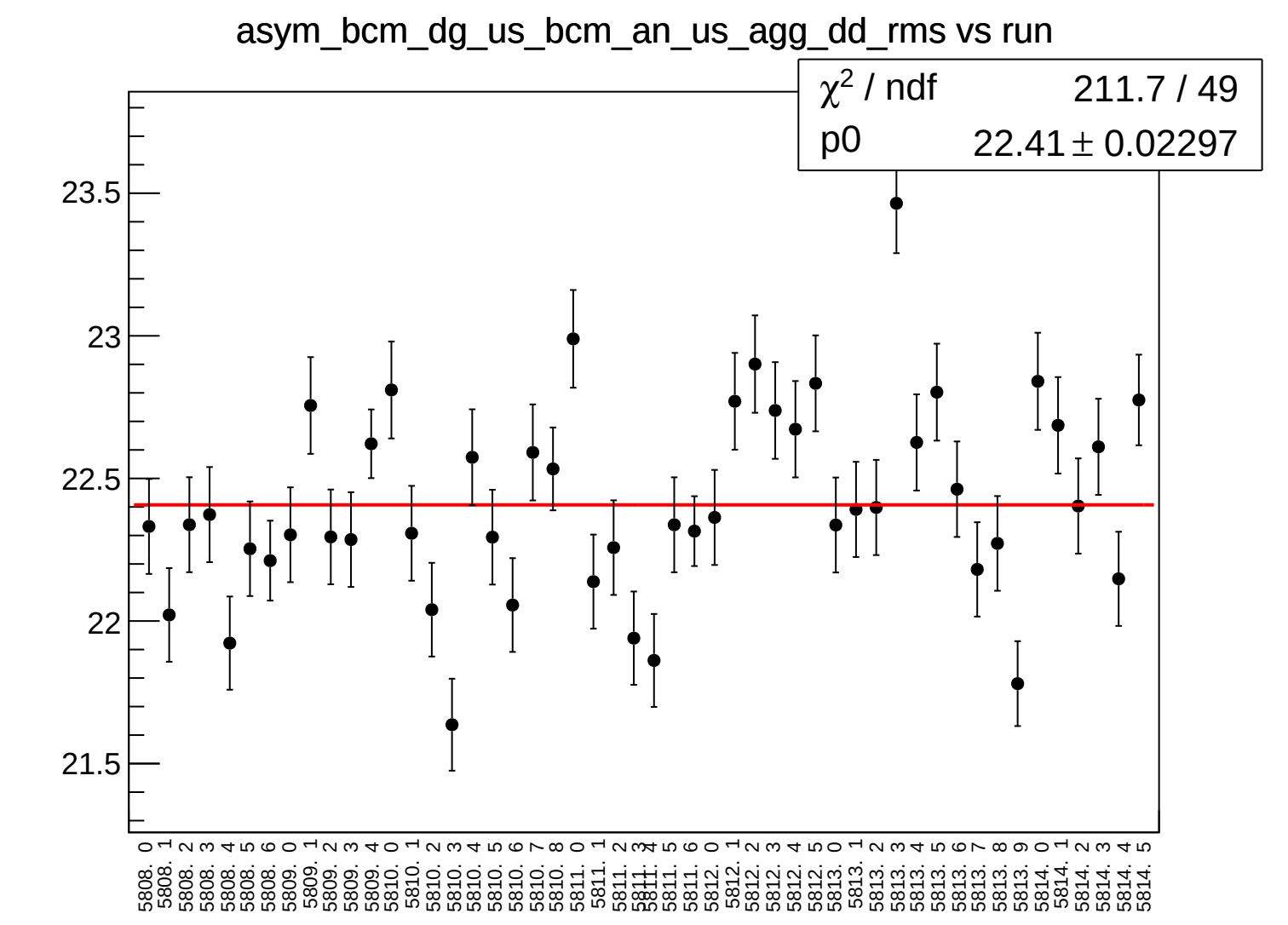
5814. 4
5814. 5


asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 42.62 / 49
p0 26.84 ± 32.48
pull
Entries 50
Mean 55.5
Std Dev 80.35
pull1D
Entries 50
Mean 0.00702
Std Dev 0.9232


asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 211.7 / 49
p0 22.41 ± 0.02297
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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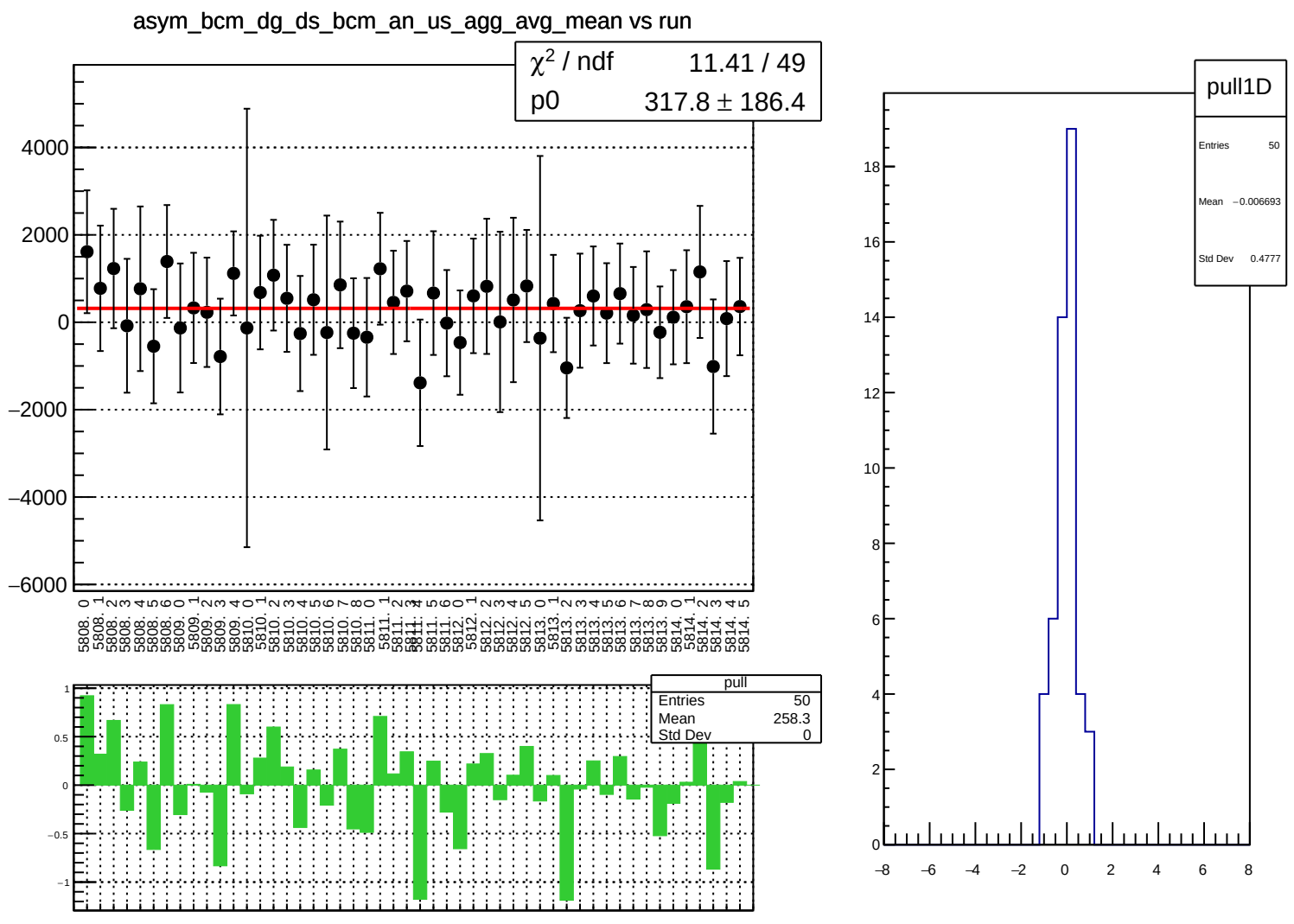
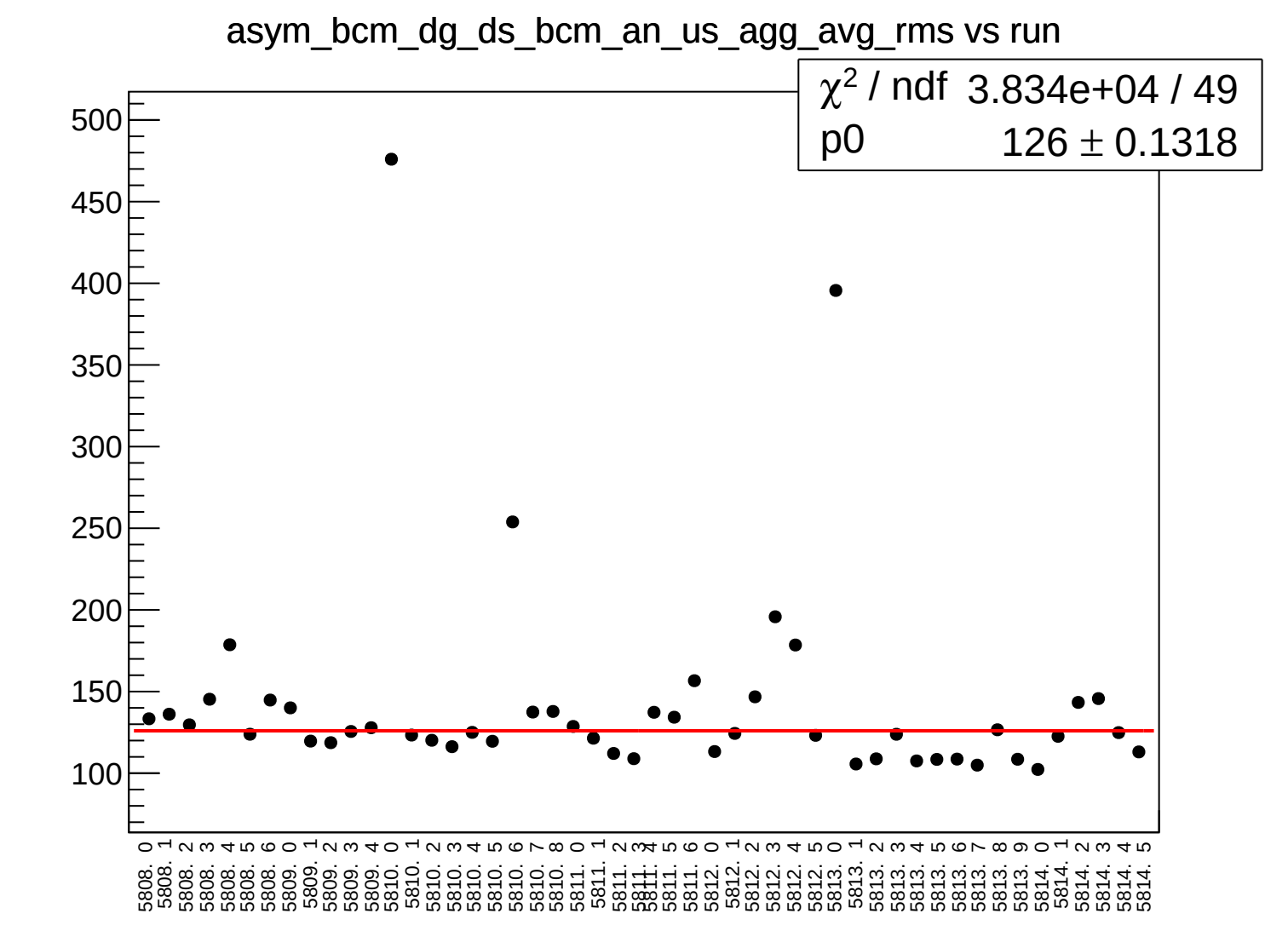
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.41 / 49
p0 317.8 ± 186.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 258.3
Std Dev 0
pull1D
Entries 50
Mean −0.006693
Std Dev 0.4777
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.834e+04 / 49
p0 126 ± 0.1318
500
450
400
350
300
250
200
150
100
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5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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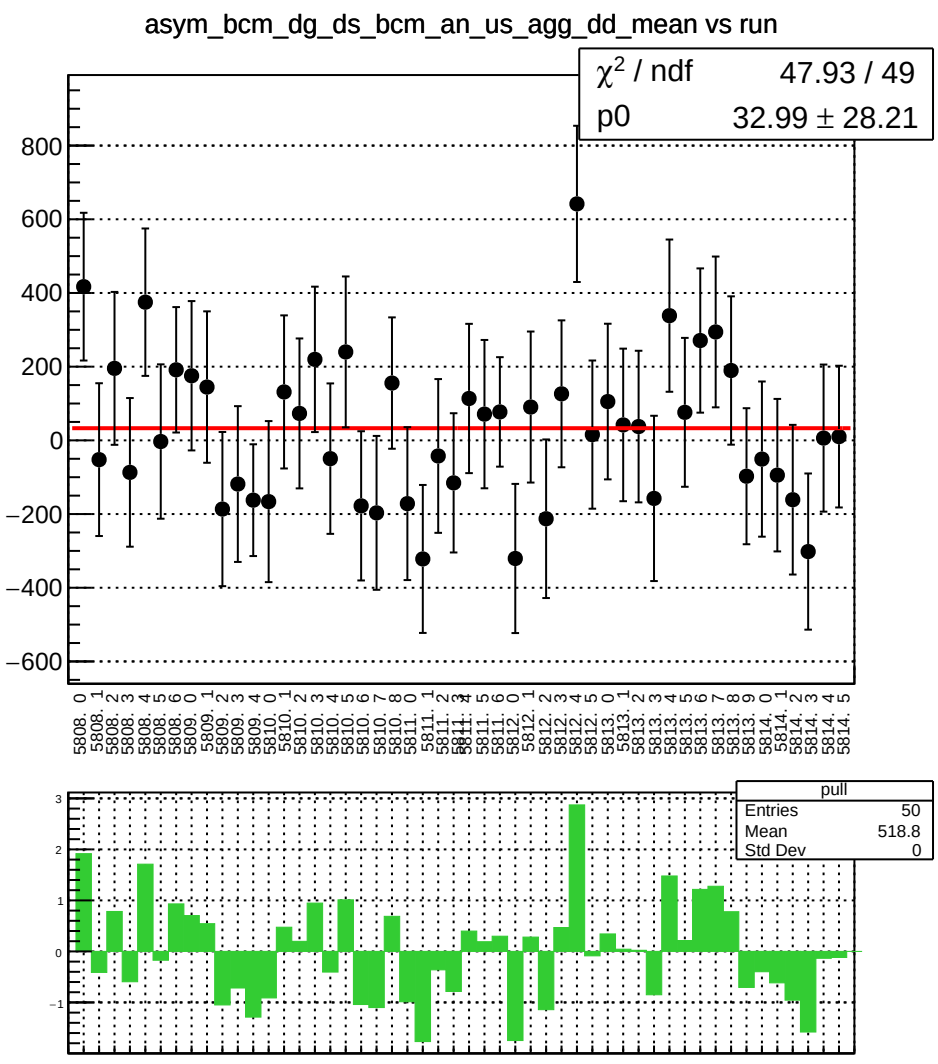
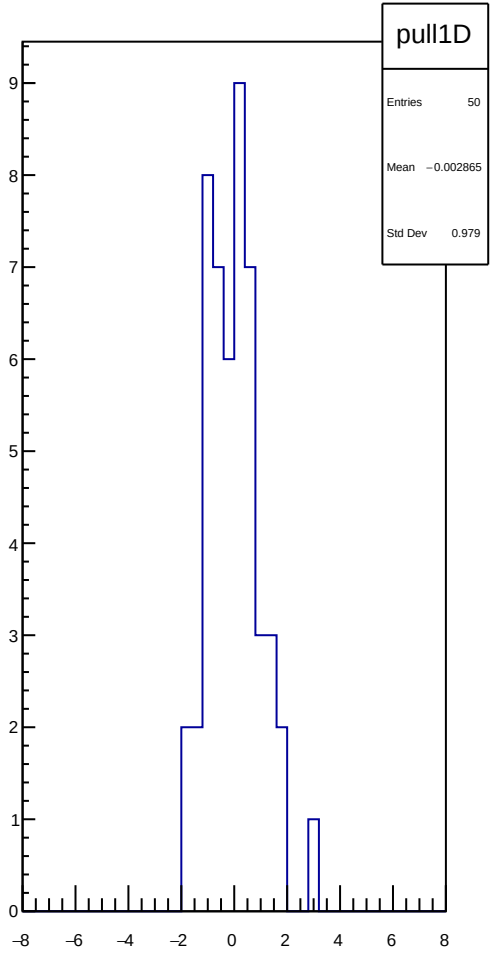
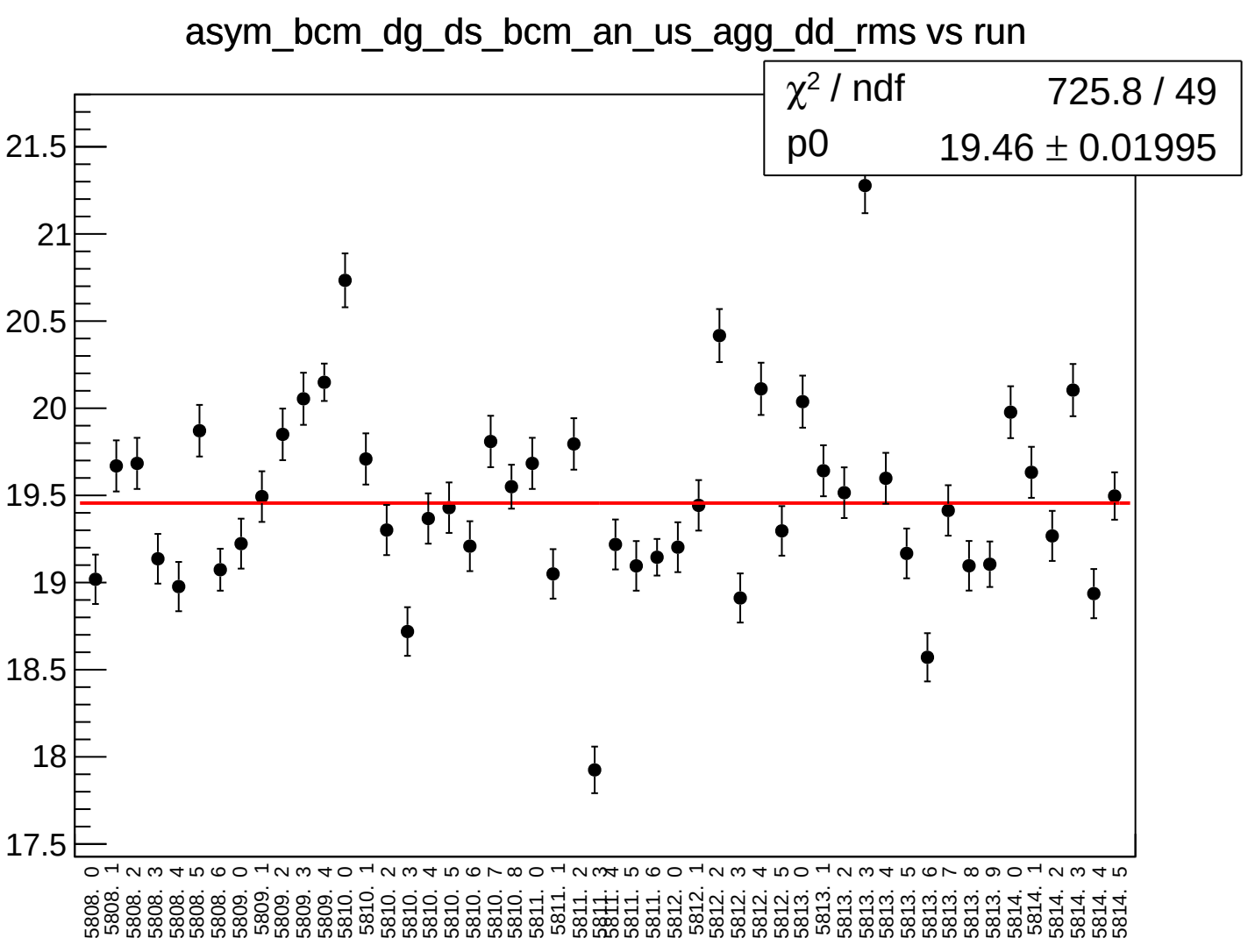
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 47.93 / 49
p0 32.99 ± 28.21
pull
Entries 50
Mean 518.8
Std Dev 0


pull1D
Entries 50
Mean −0.002865
Std Dev 0.979


asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 725.8 / 49
p0 19.46 ± 0.01995
21.5
21
20.5
20
19.5
19
18.5
18
17.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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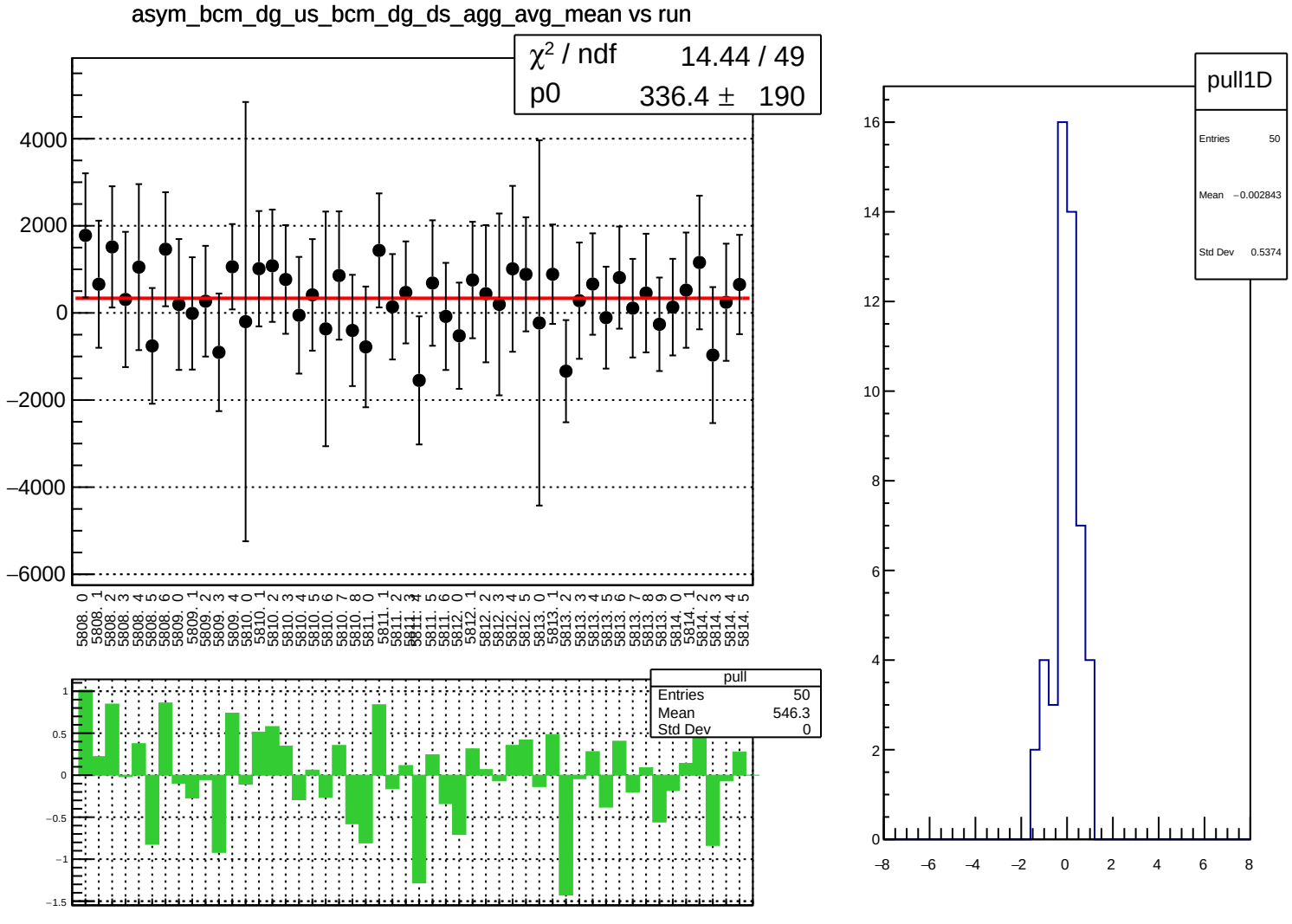
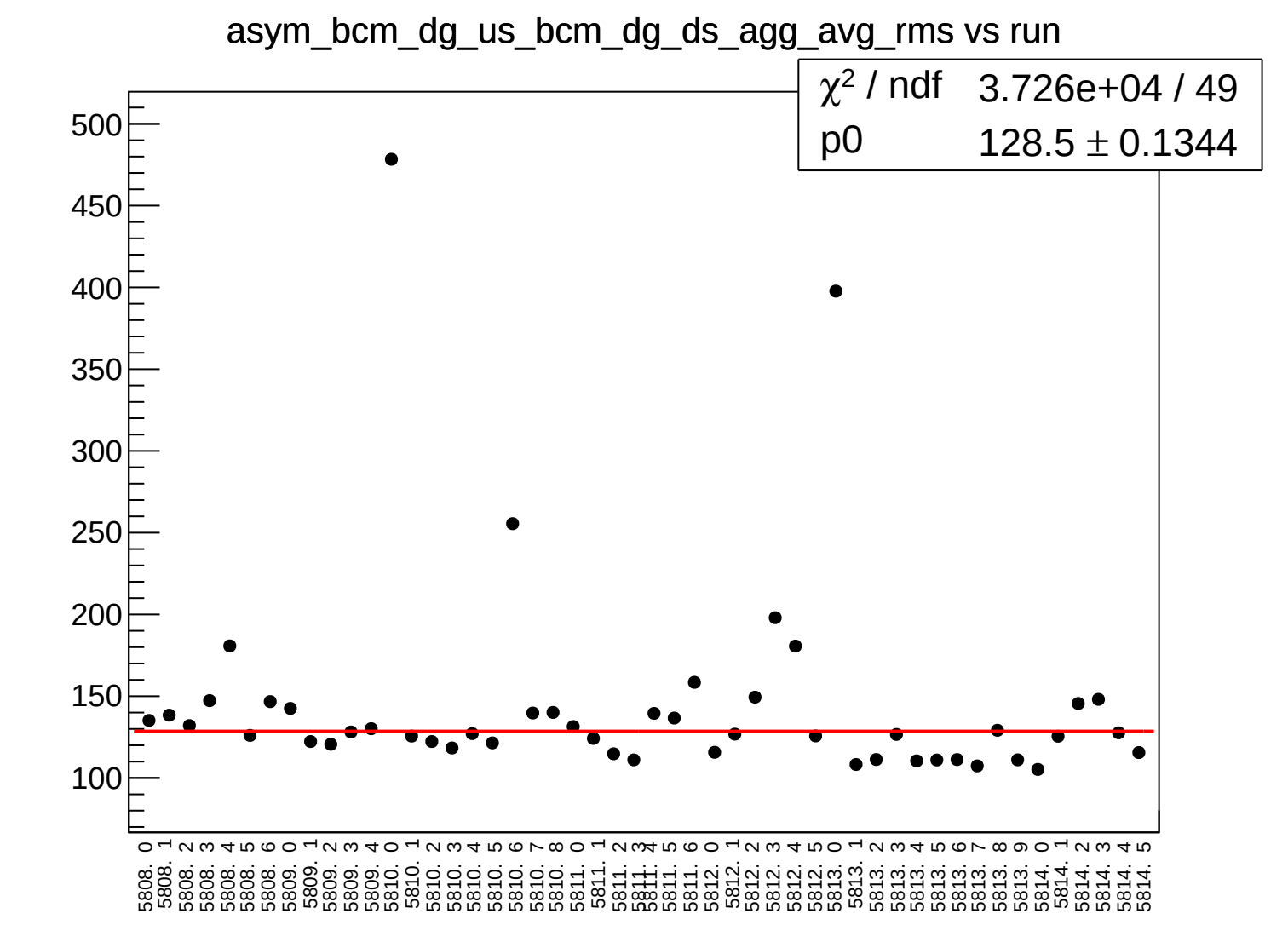
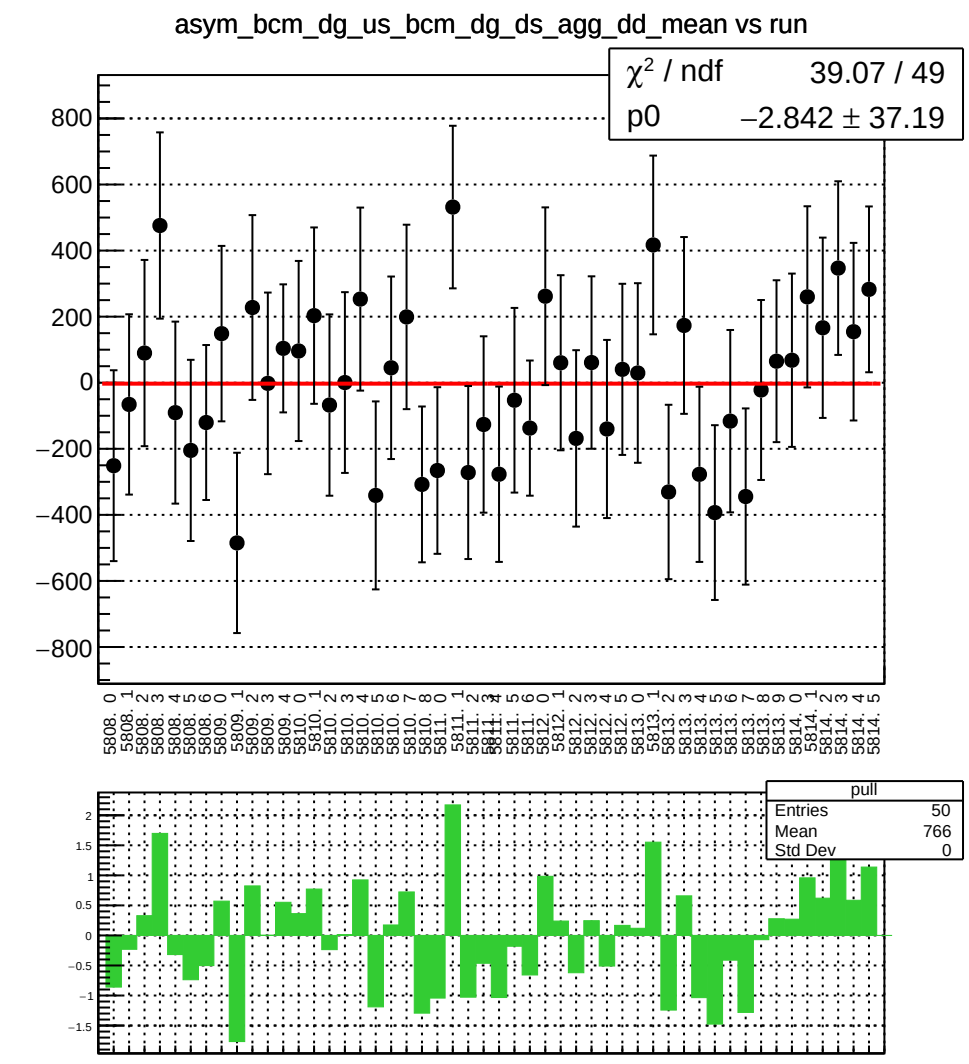
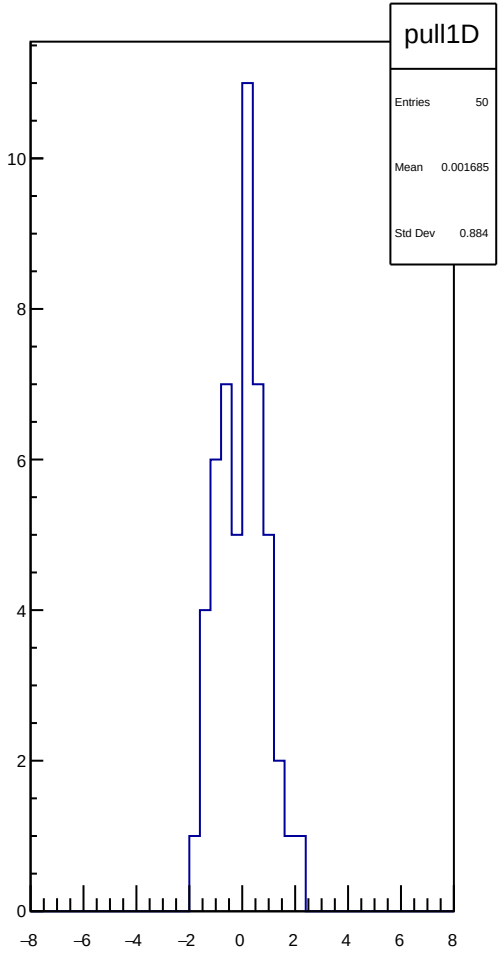
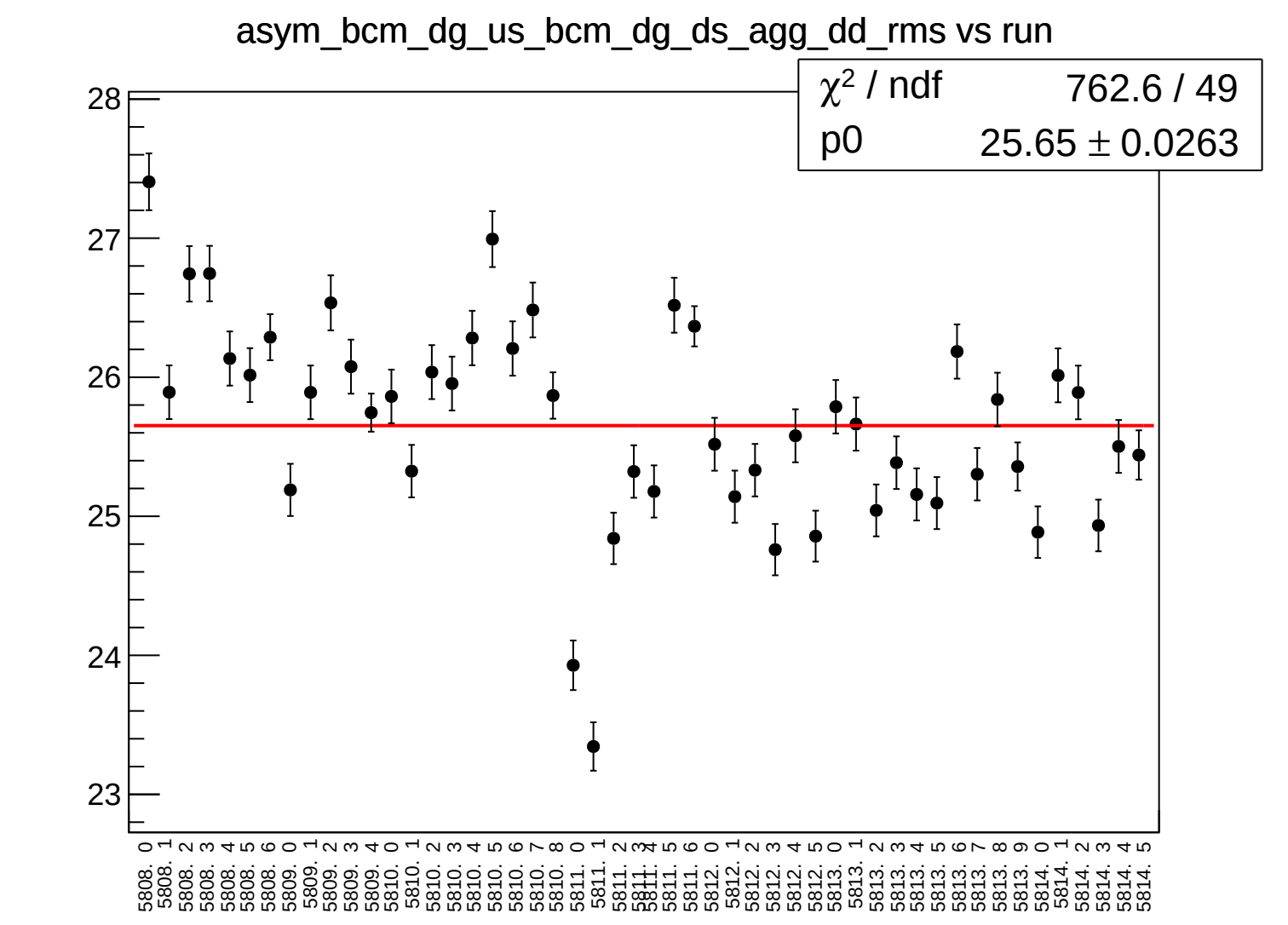
5814. 4
5814. 5

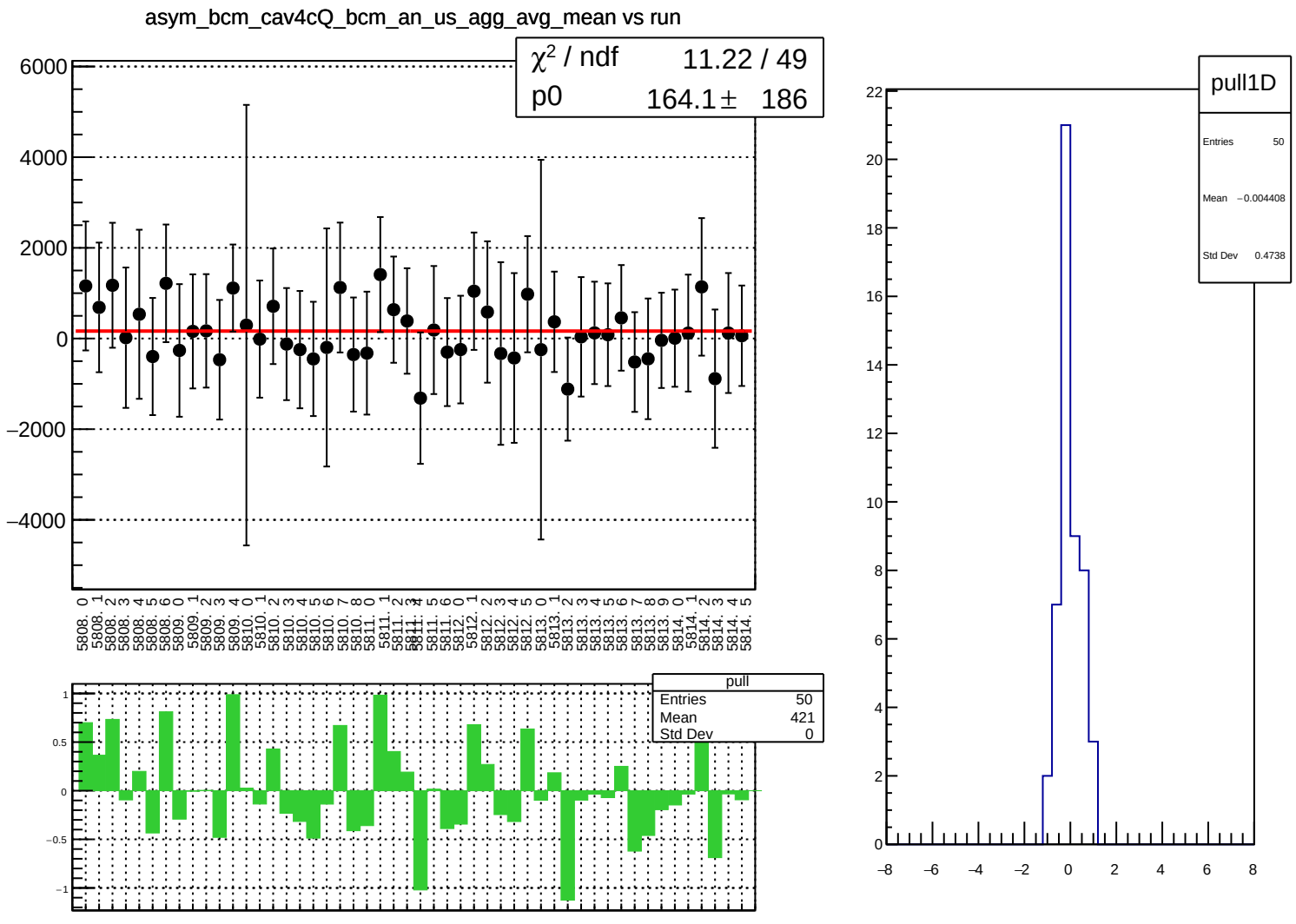

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 14.44 / 49
p0 336.4 ± 190
pull
Entries 50
Mean 546.3
Std Dev 0
pull1D
Entries 50
Mean −0.002843
Std Dev 0.5374

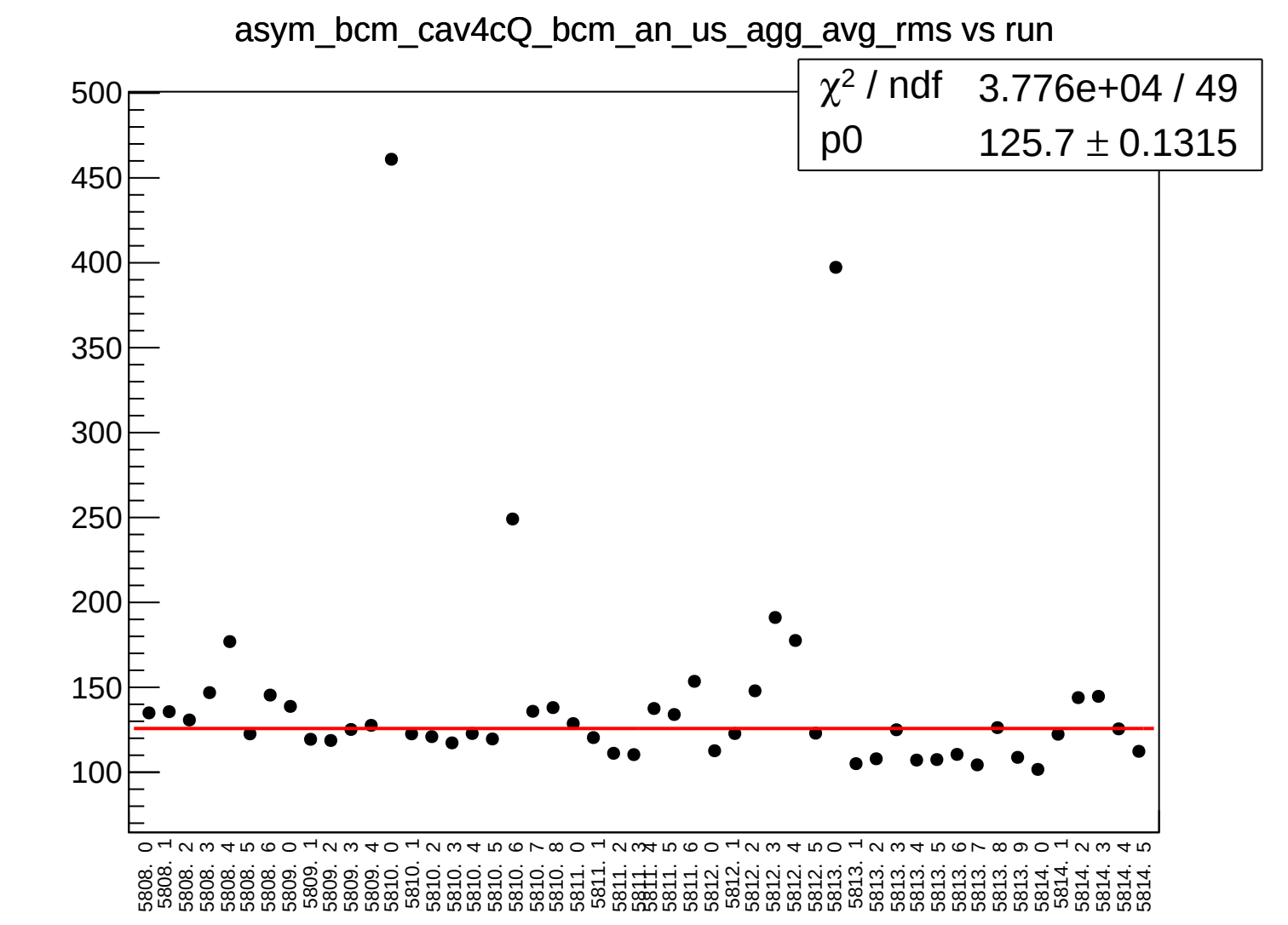

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.726e+04 / 49
p0 128.5 ± 0.1344
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

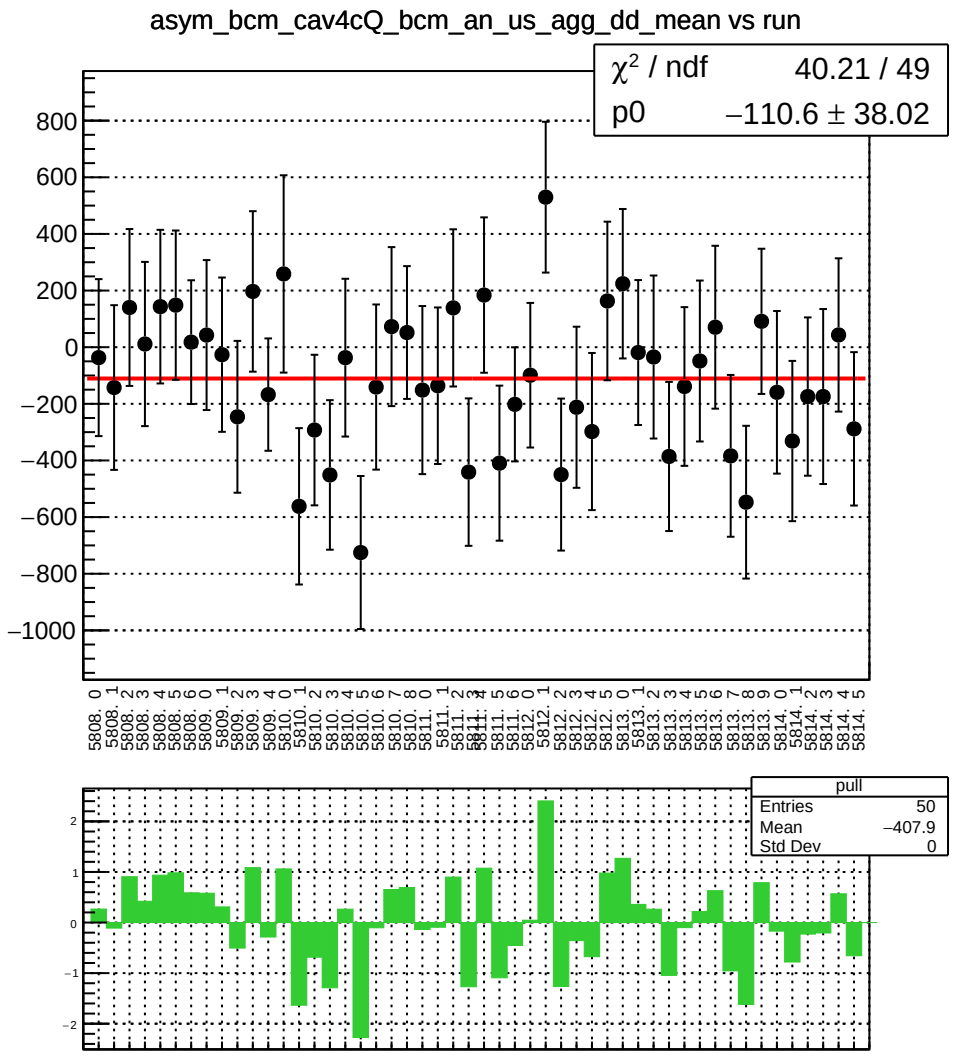

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 39.07 / 49
p0 −2.842 ± 37.19
pull
Entries 50
Mean 766
Std Dev 0

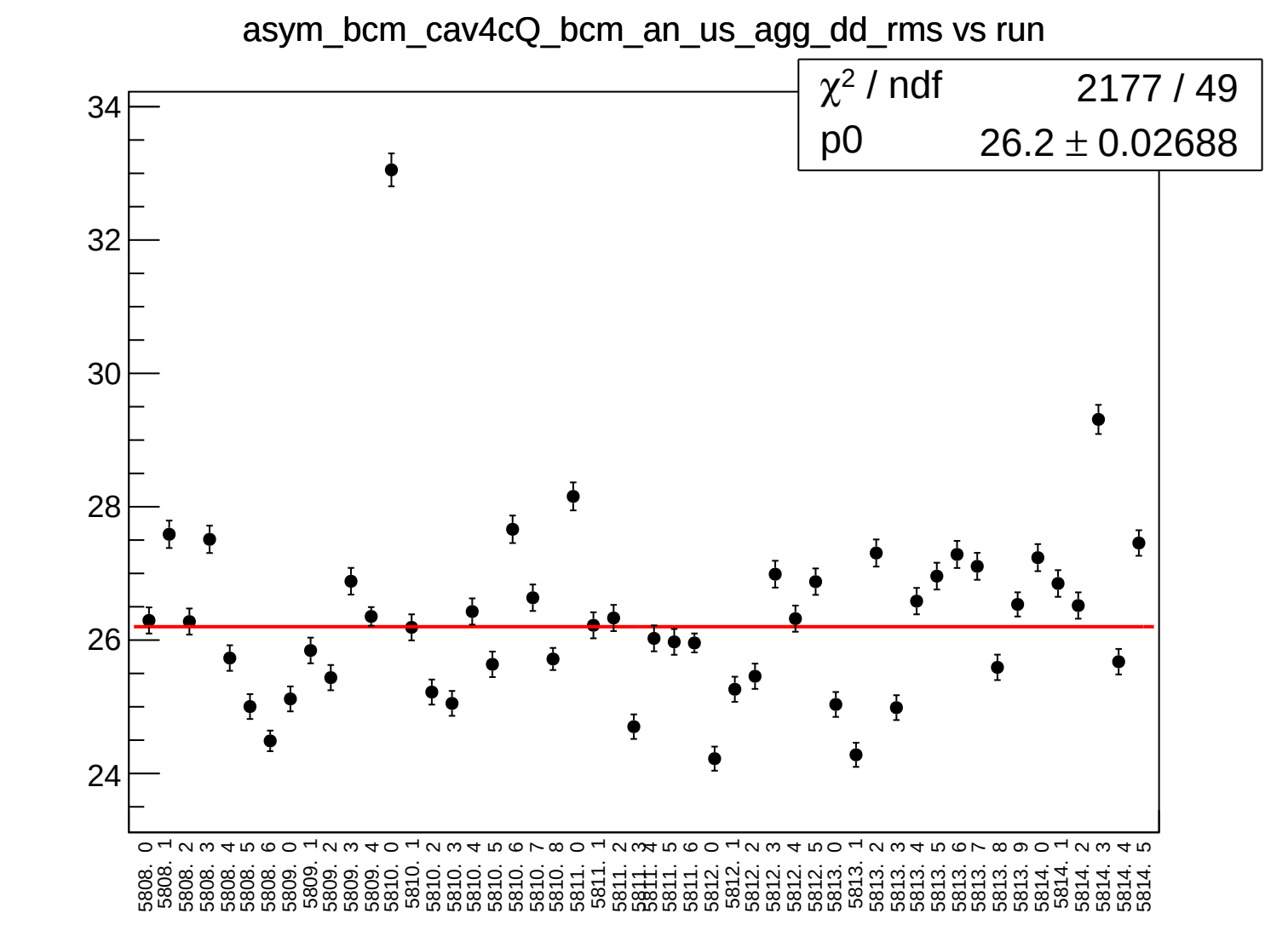

pull1D
Entries 50
Mean 0.001685
Std Dev 0.884

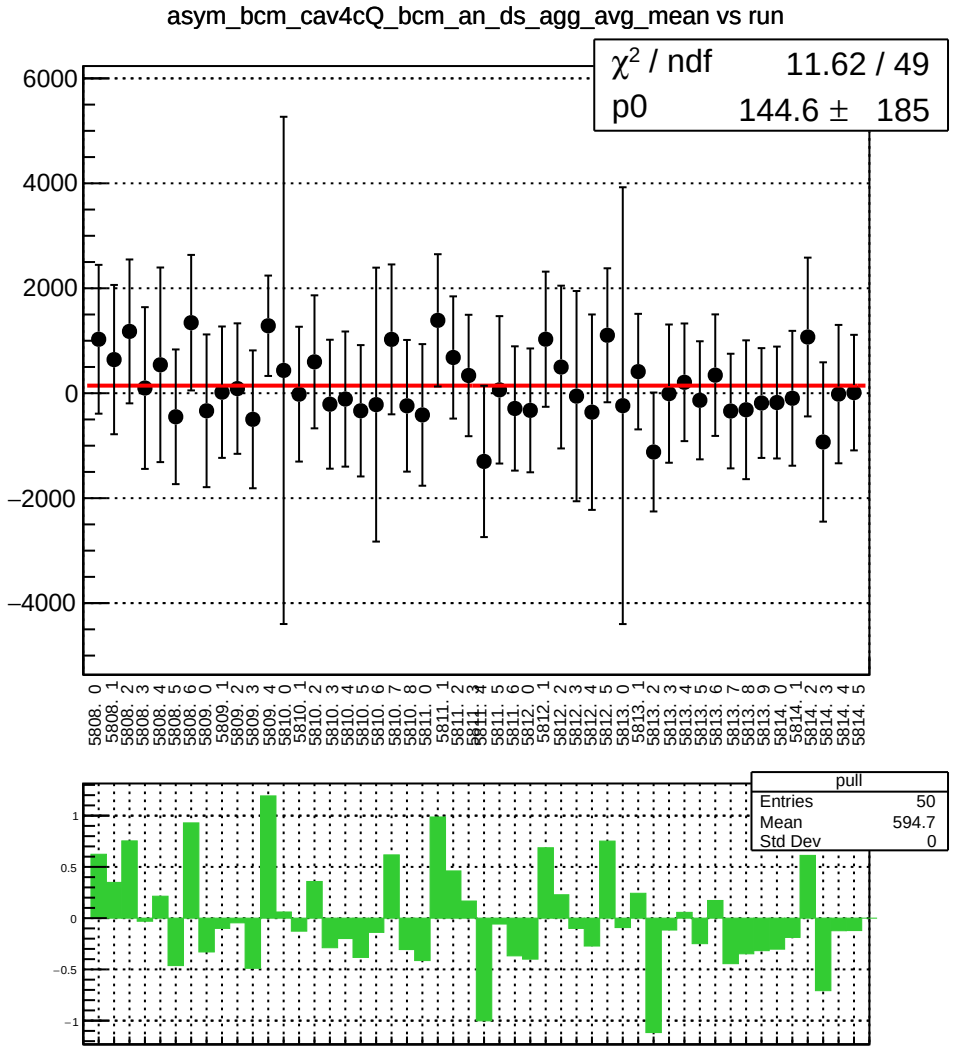

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 762.6 / 49
p0 25.65 ± 0.0263
28
27
26
25
24
23
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

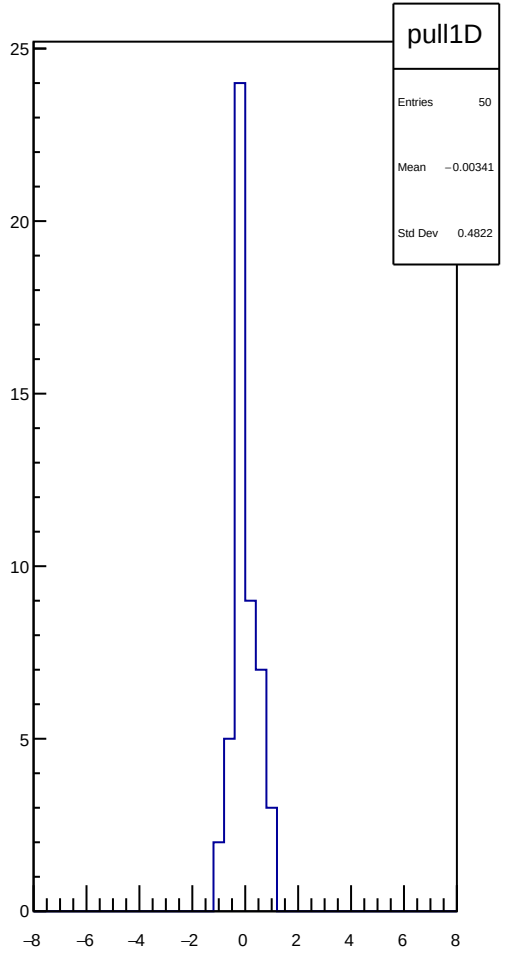

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 11.22 / 49
p0 164.1 ± 186
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 421
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.004408
Std Dev 0.4738
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

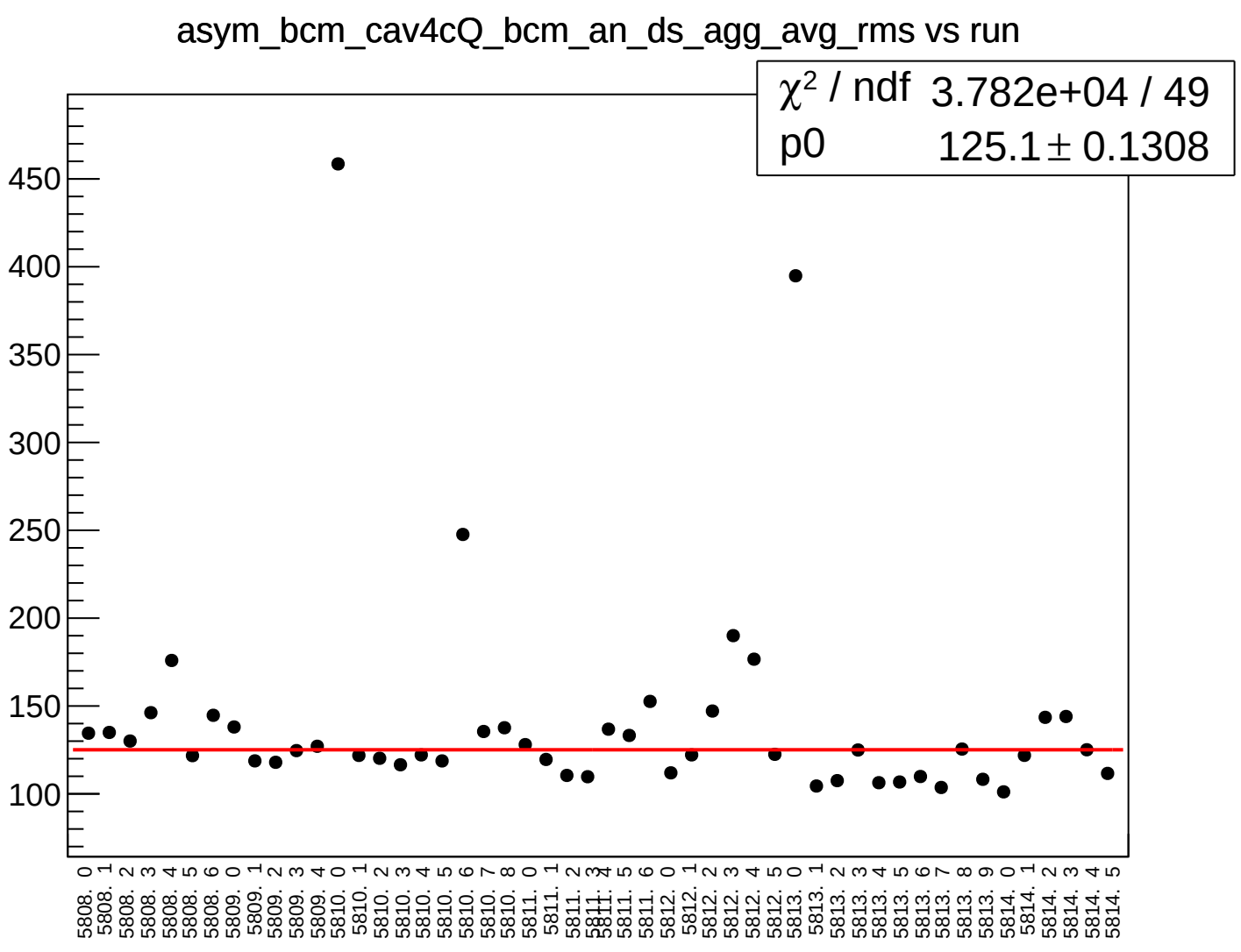

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.776e+04 / 49
p0 125.7 ± 0.1315
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

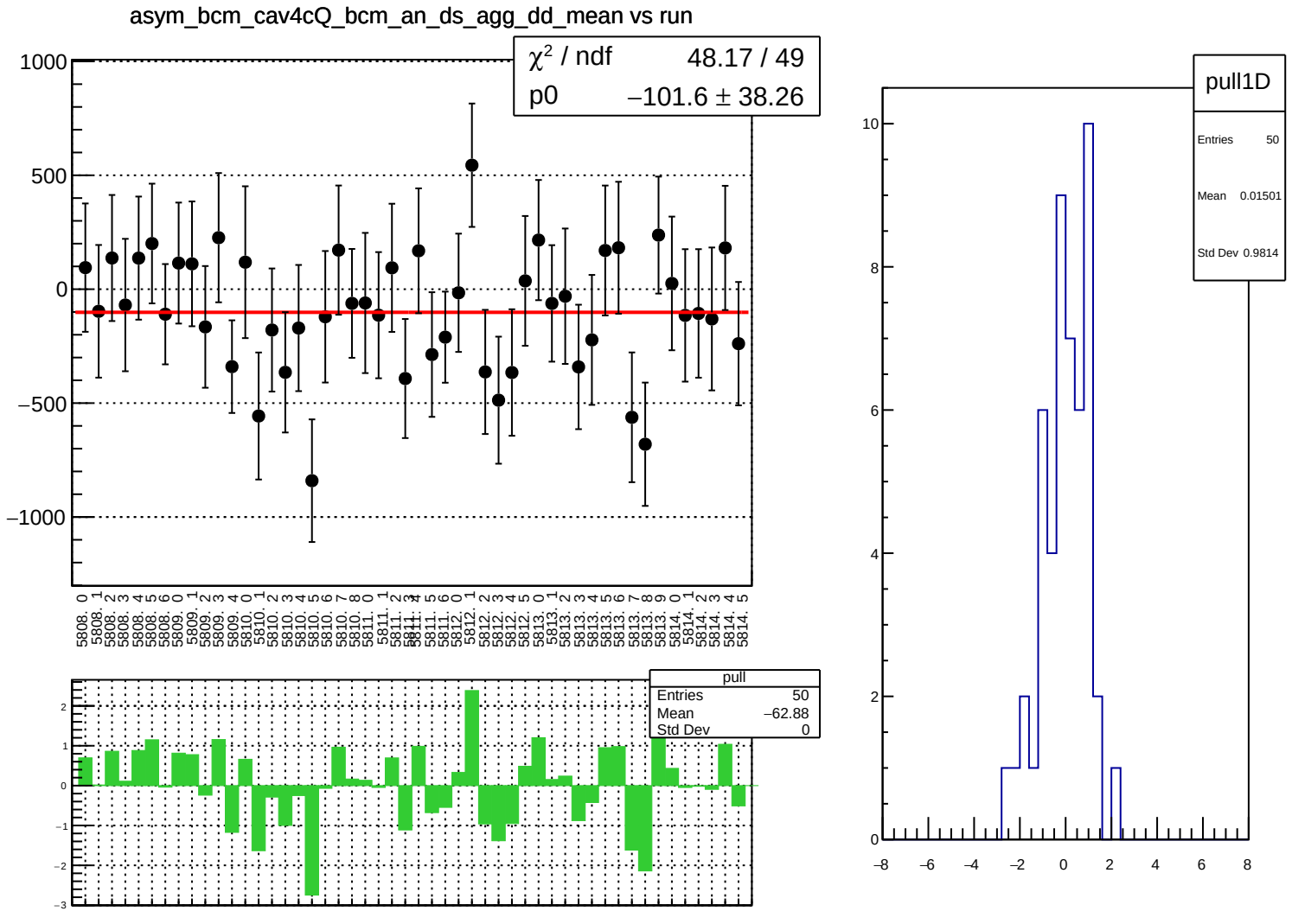

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 40.21 / 49
p0 −110.6 ± 38.02
pull
Entries 50
Mean −407.9
Std Dev 0
pull1D
Entries 50
Mean 0.005043
Std Dev 0.8968

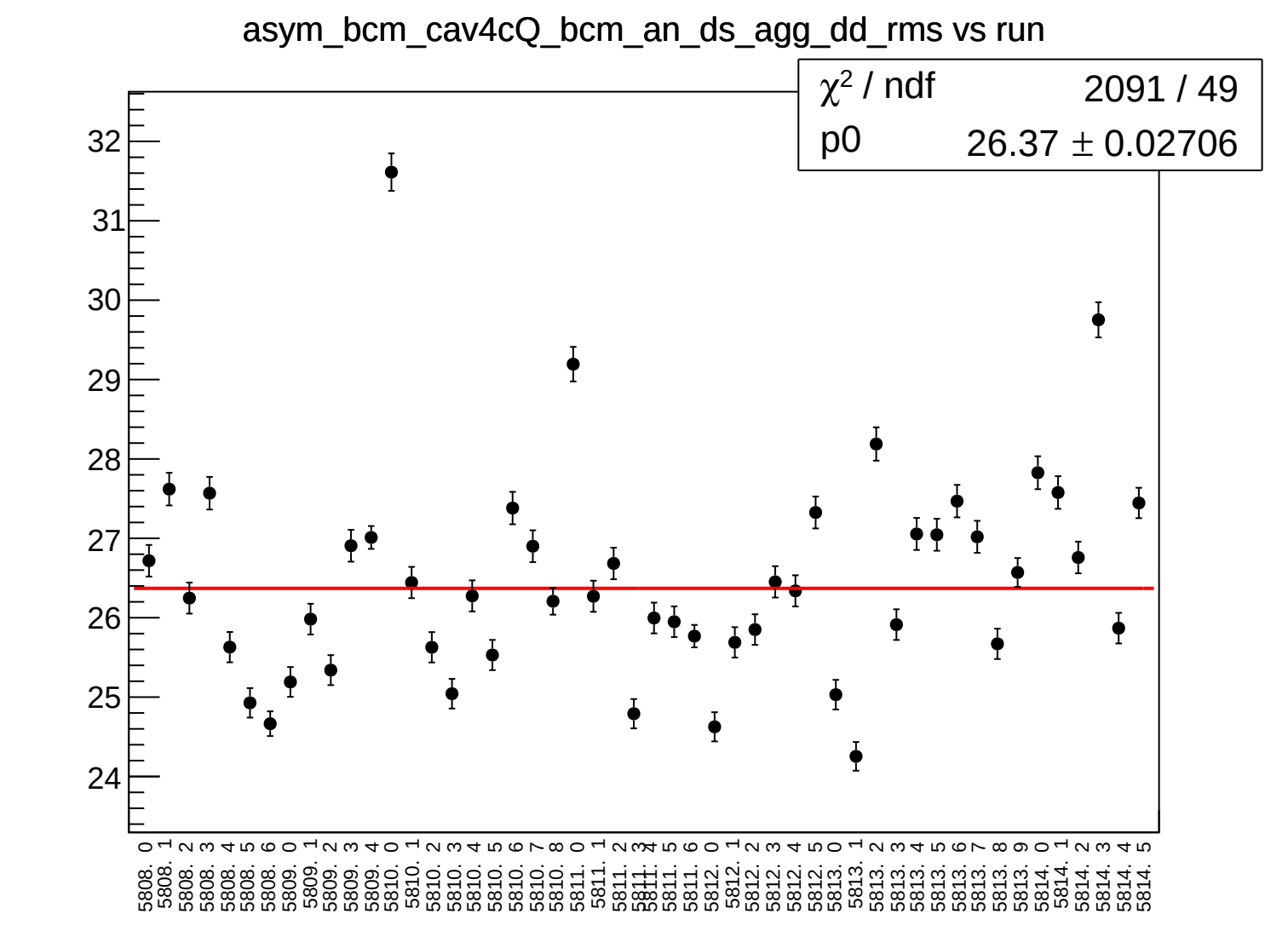

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 2177 / 49
p0 26.2 ± 0.02688
34
32
30
28
26
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

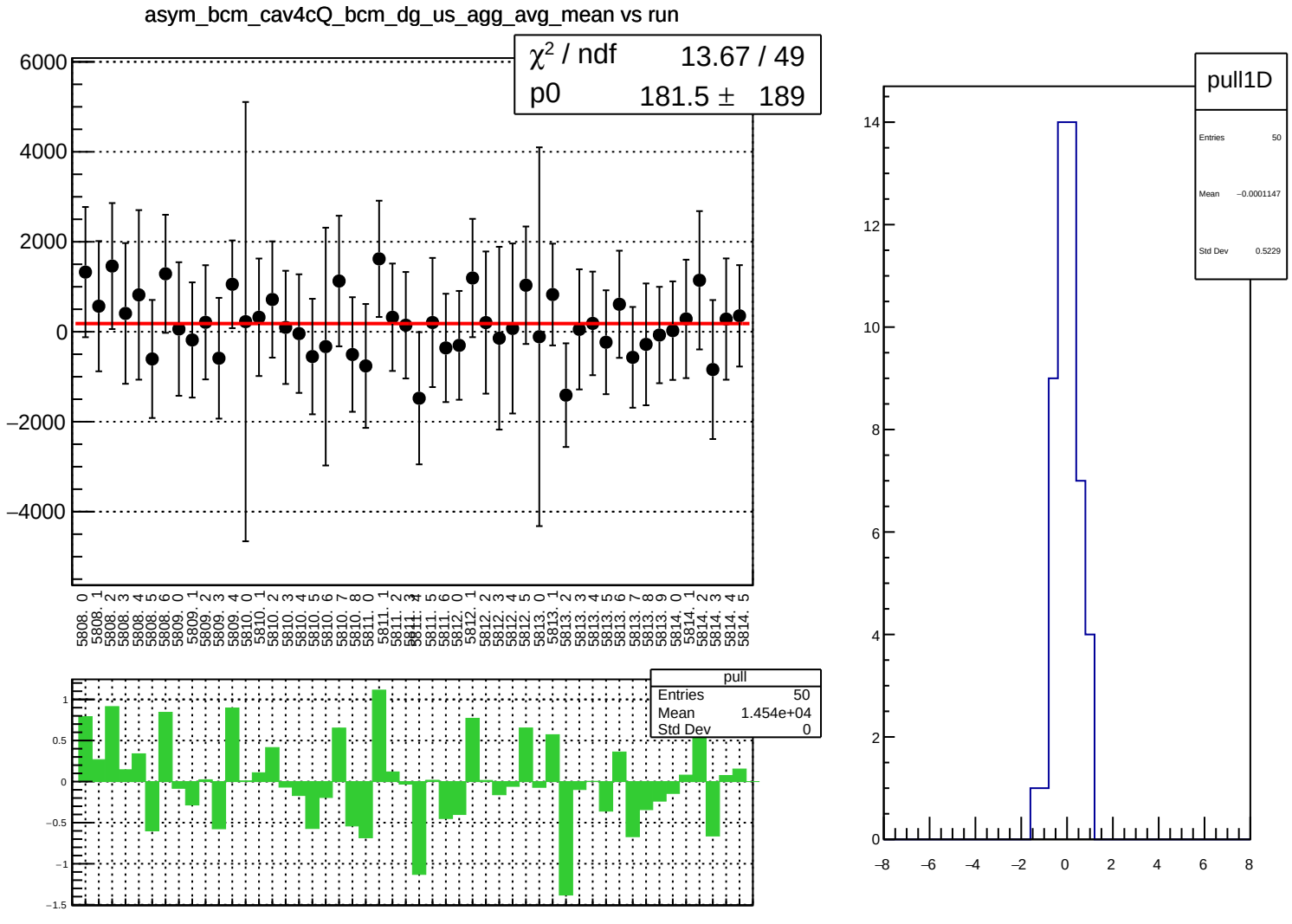

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 11.62 / 49
p0 144.6 ± 185
6000
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 594.7
Std Dev 0
1
0.5
0
−0.5
−1

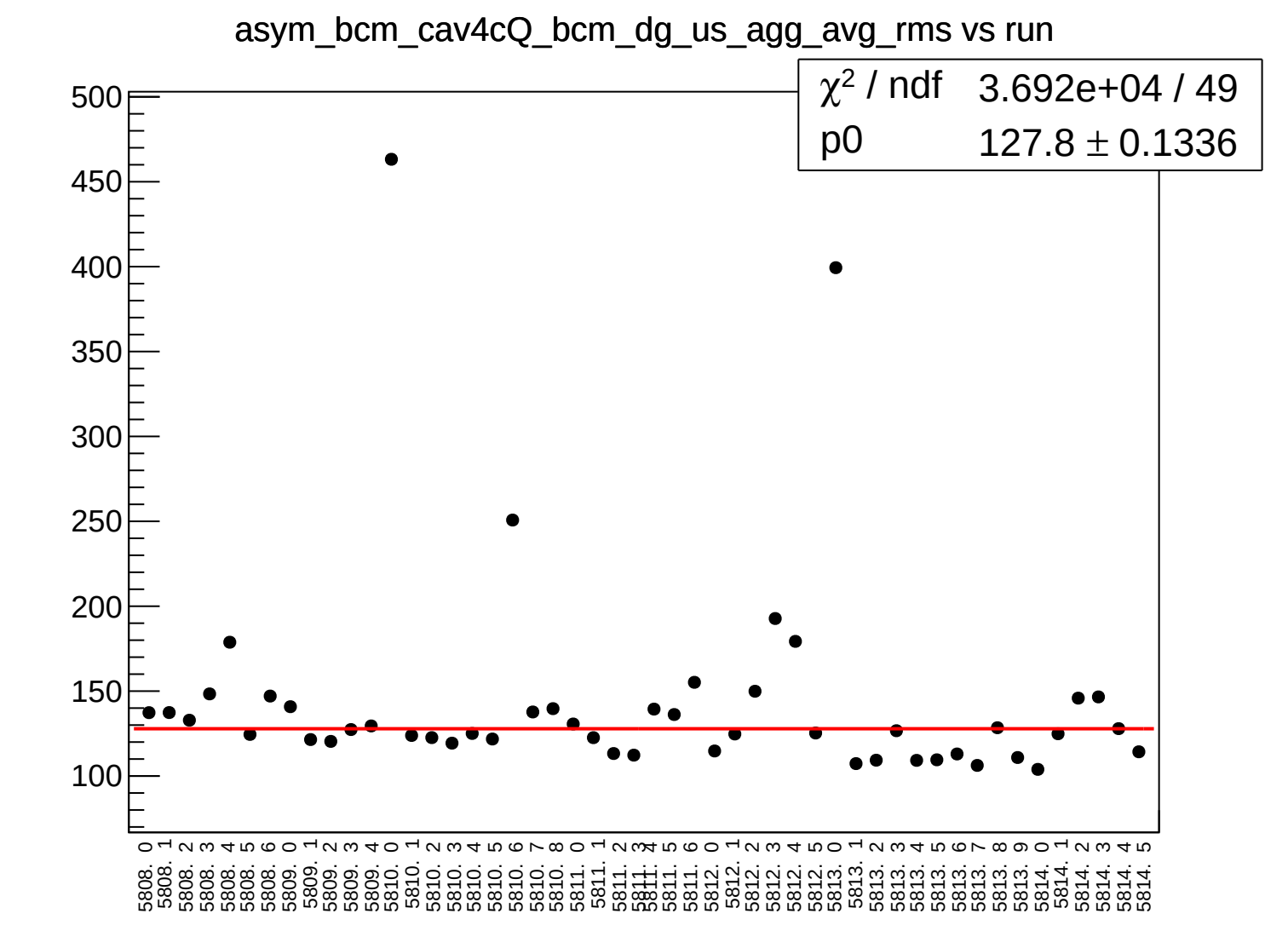

pull1D
Entries 50
Mean −0.00341
Std Dev 0.4822
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.782e+04 / 49
p0 125.1 ± 0.1308
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 48.17 / 49
p0 −101.6 ± 38.26
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −62.88
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01501
Std Dev 0.9814
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 2091 / 49
p0 26.37 ± 0.02706
32
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 13.67 / 49
p0 181.5 ± 189
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1.454e+04
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0001147
Std Dev 0.5229
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs run
χ² / ndf 3.692e+04 / 49
p0 127.8 ± 0.1336
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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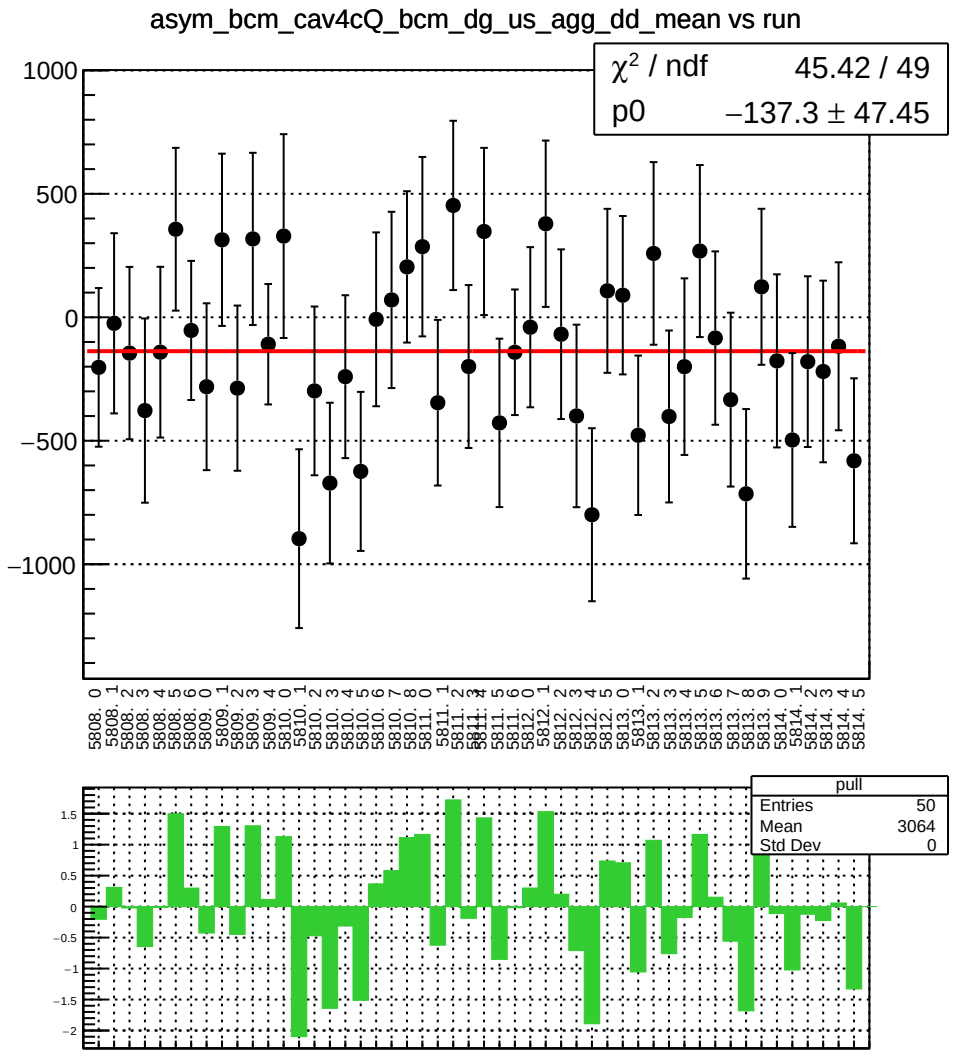
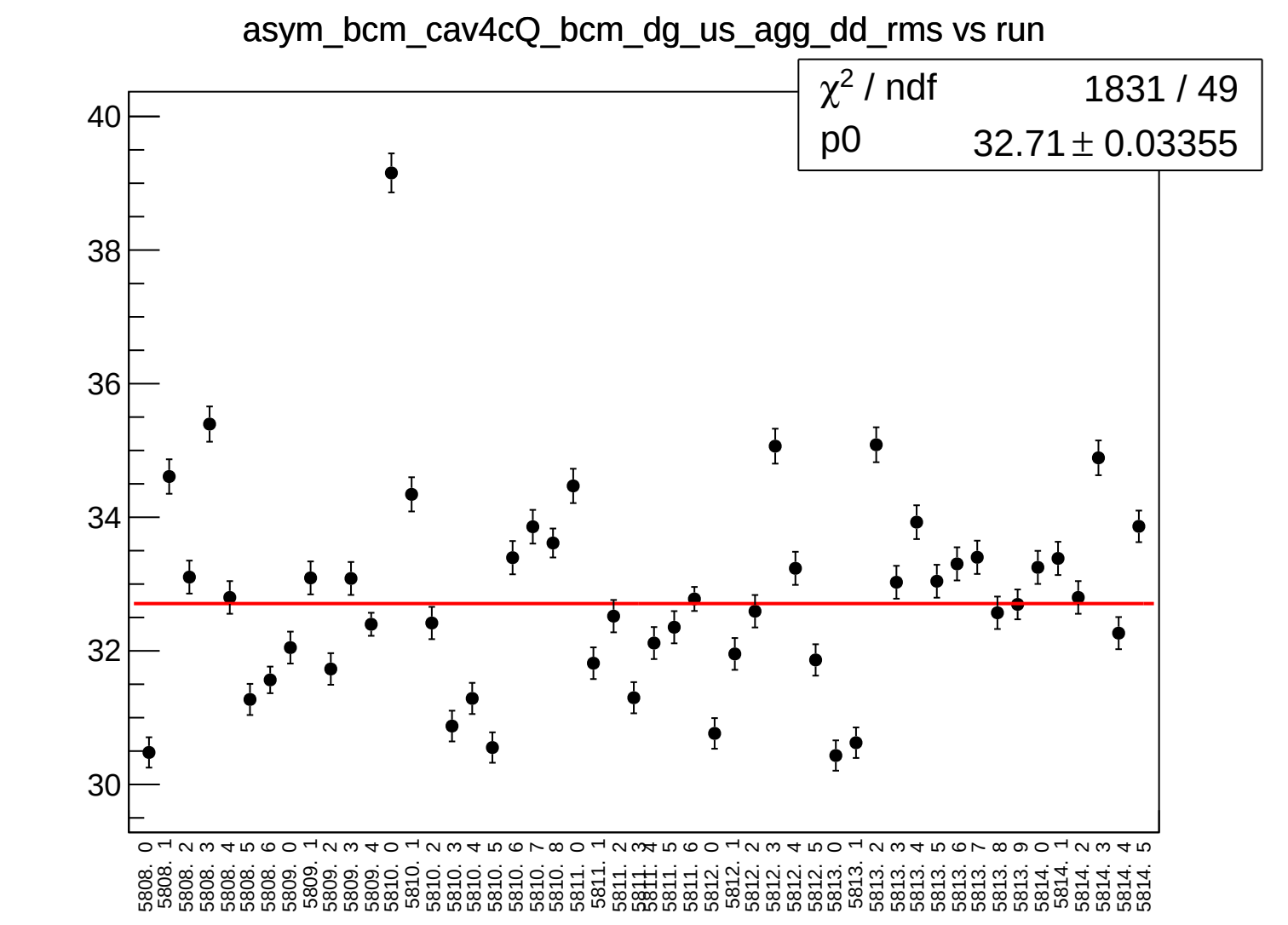
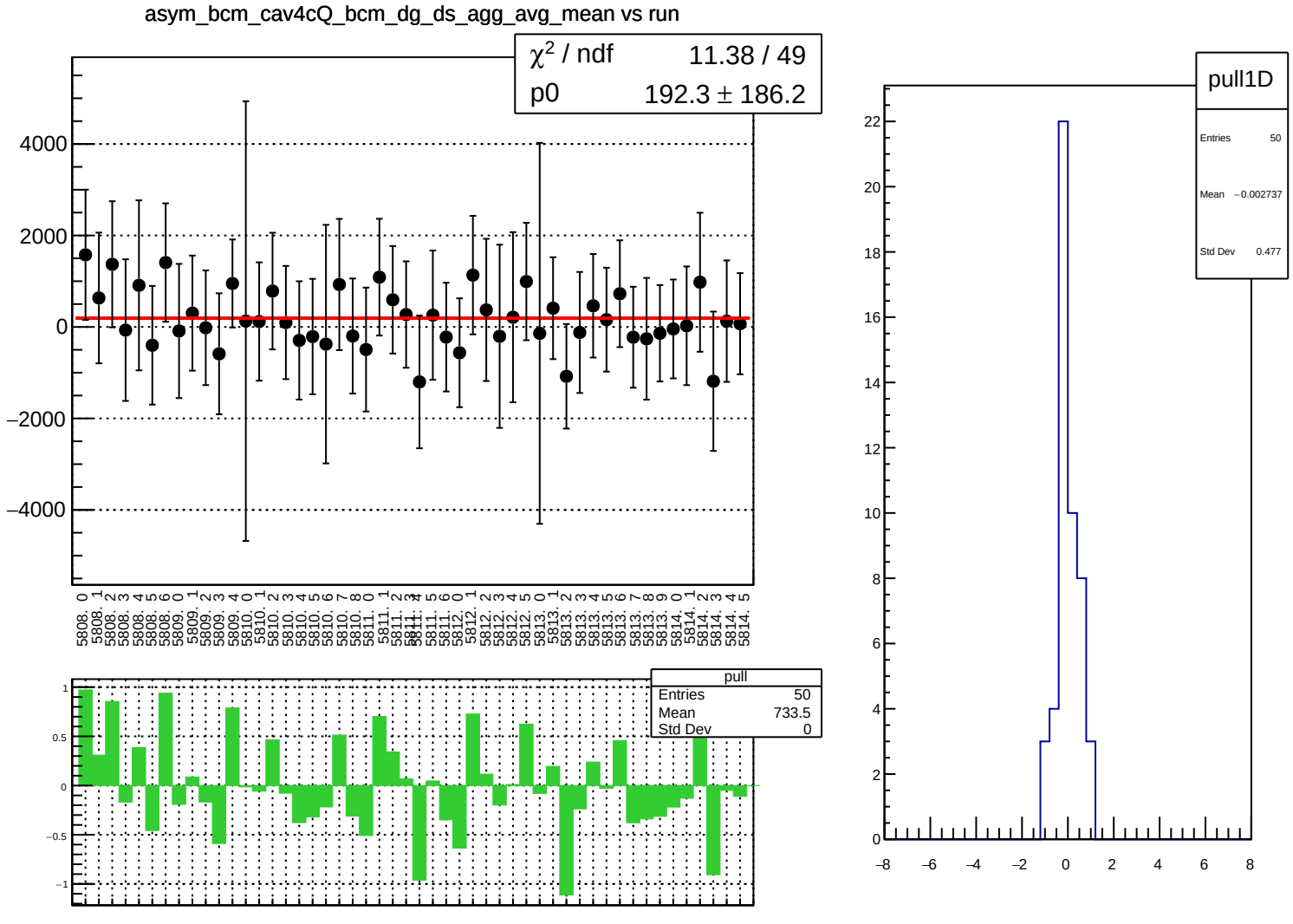
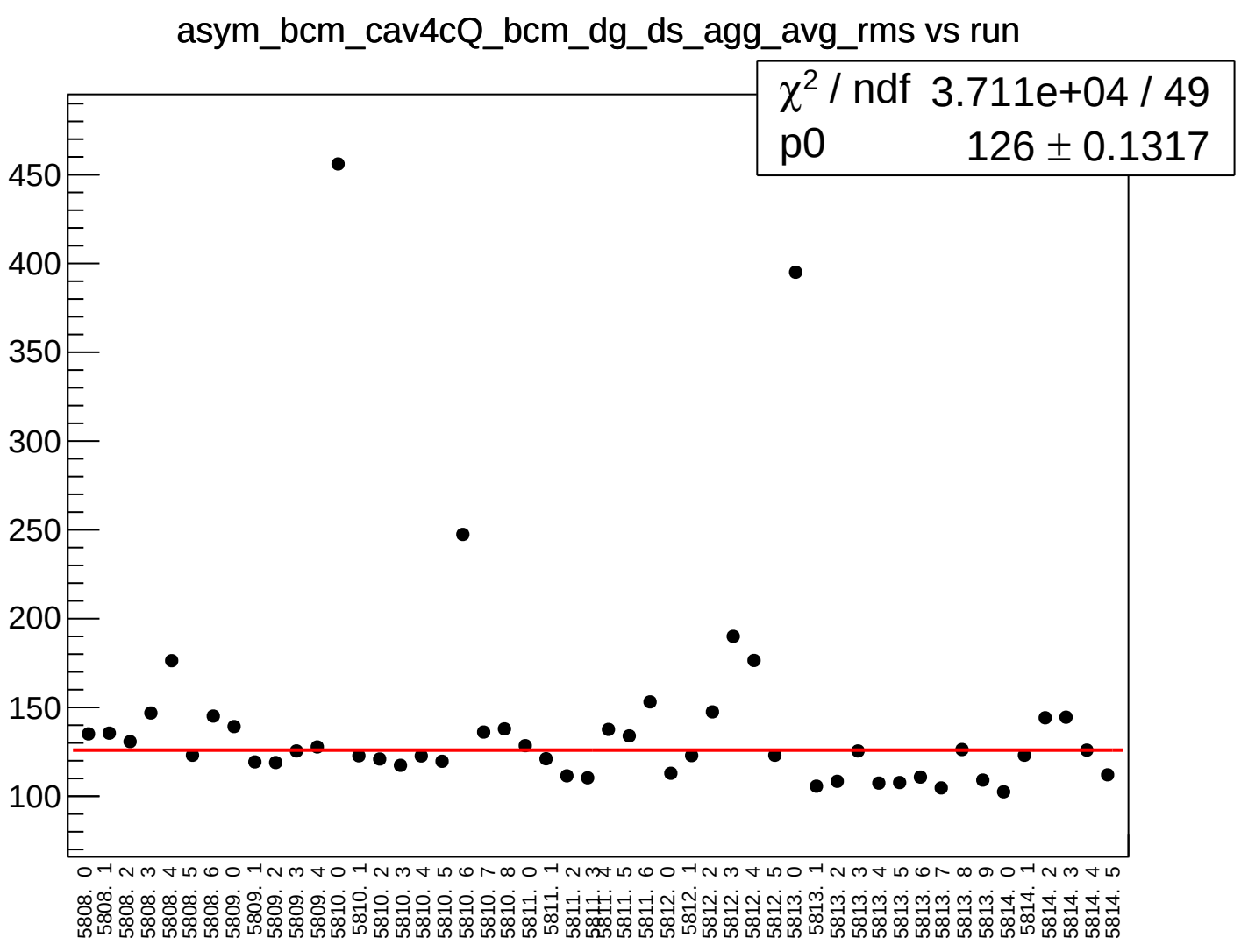
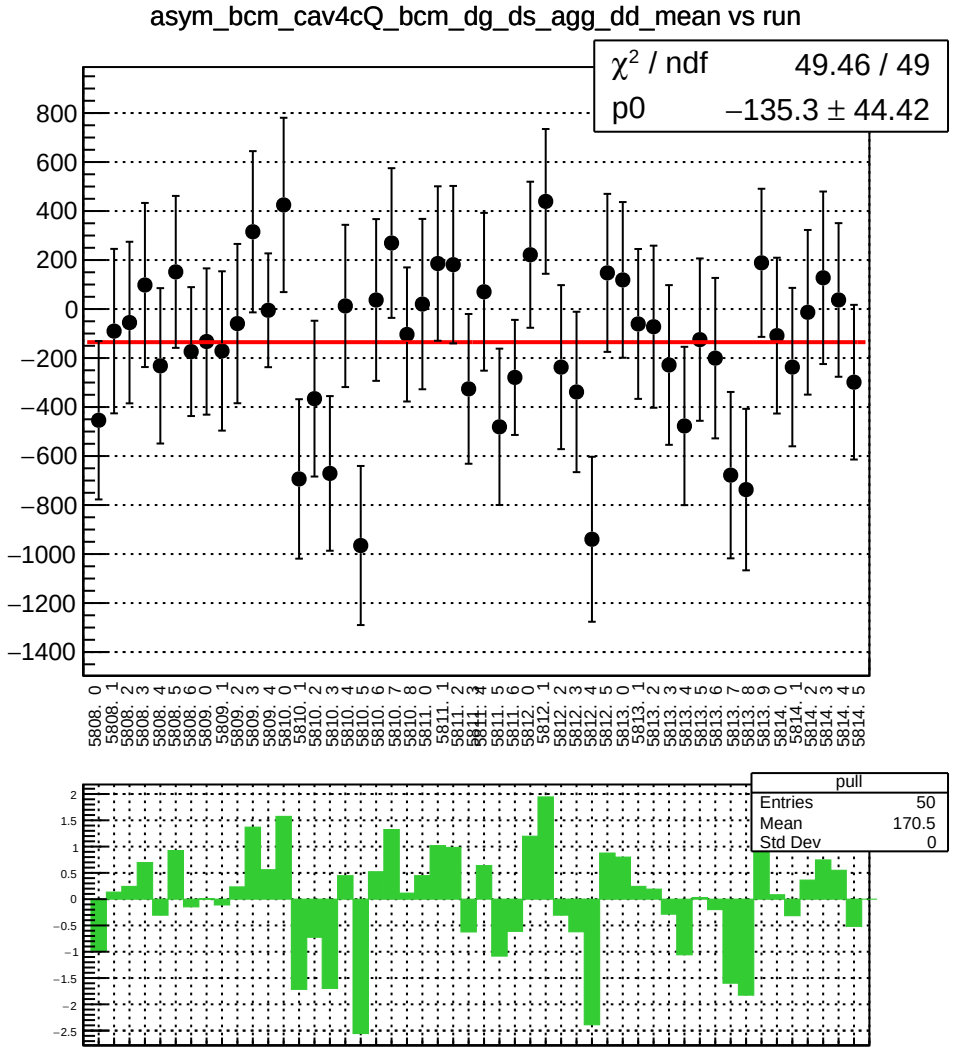
5814. 4
5814. 5

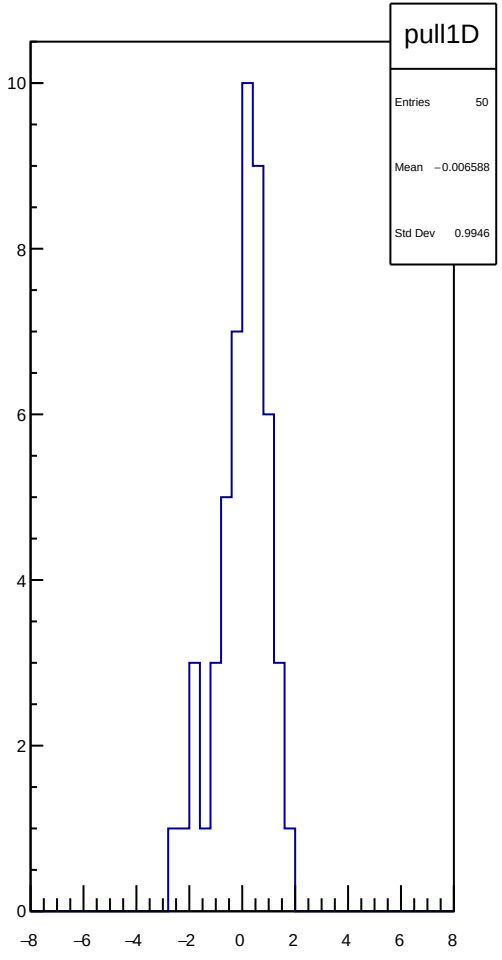

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 45.42 / 49
p0 −137.3 ± 47.45
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3064
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.0006252
Std Dev 0.9531
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

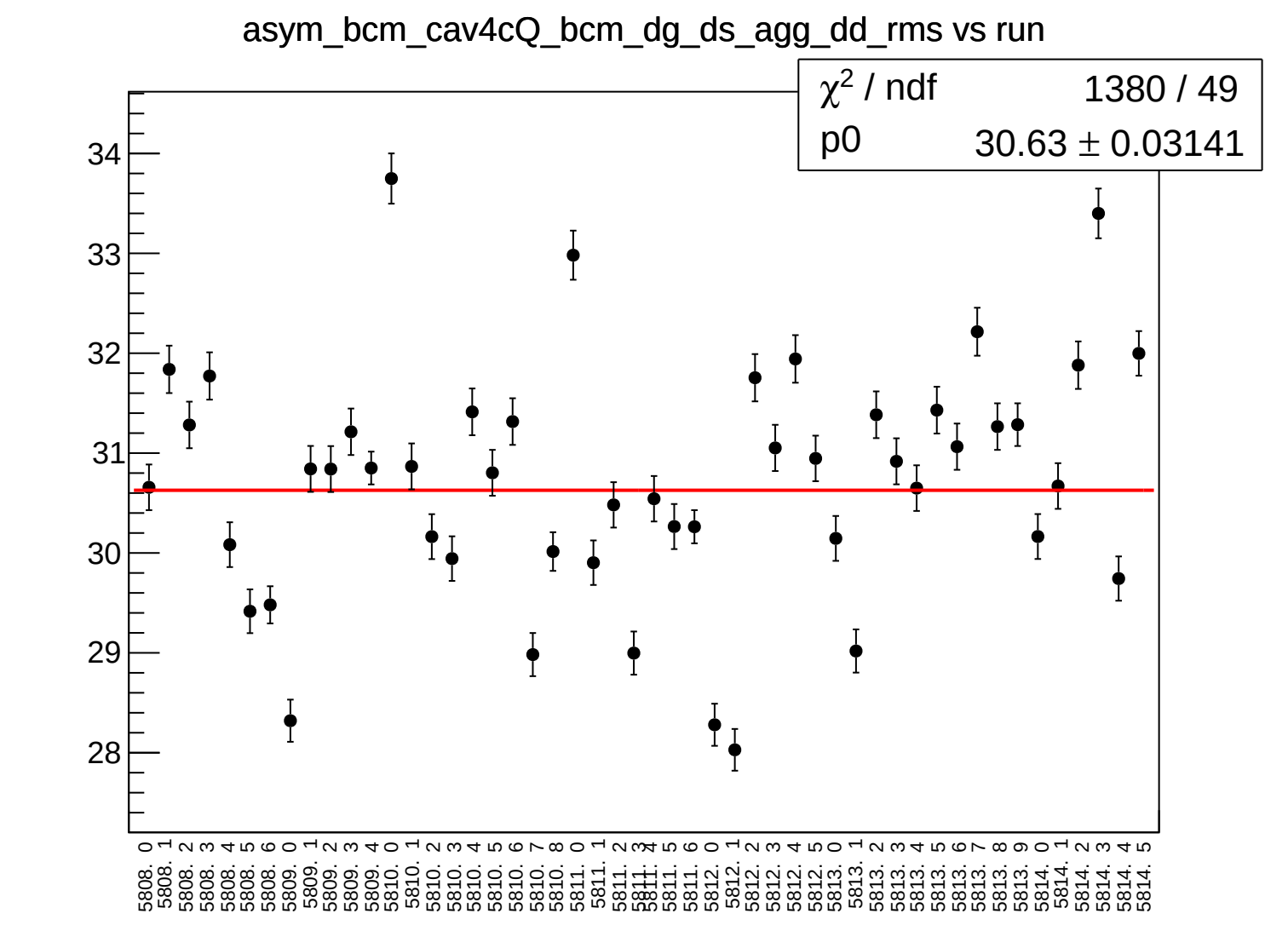

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ^2 / ndf 1831 / 49
p0 32.71 ± 0.03355
40
38
36
34
32
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

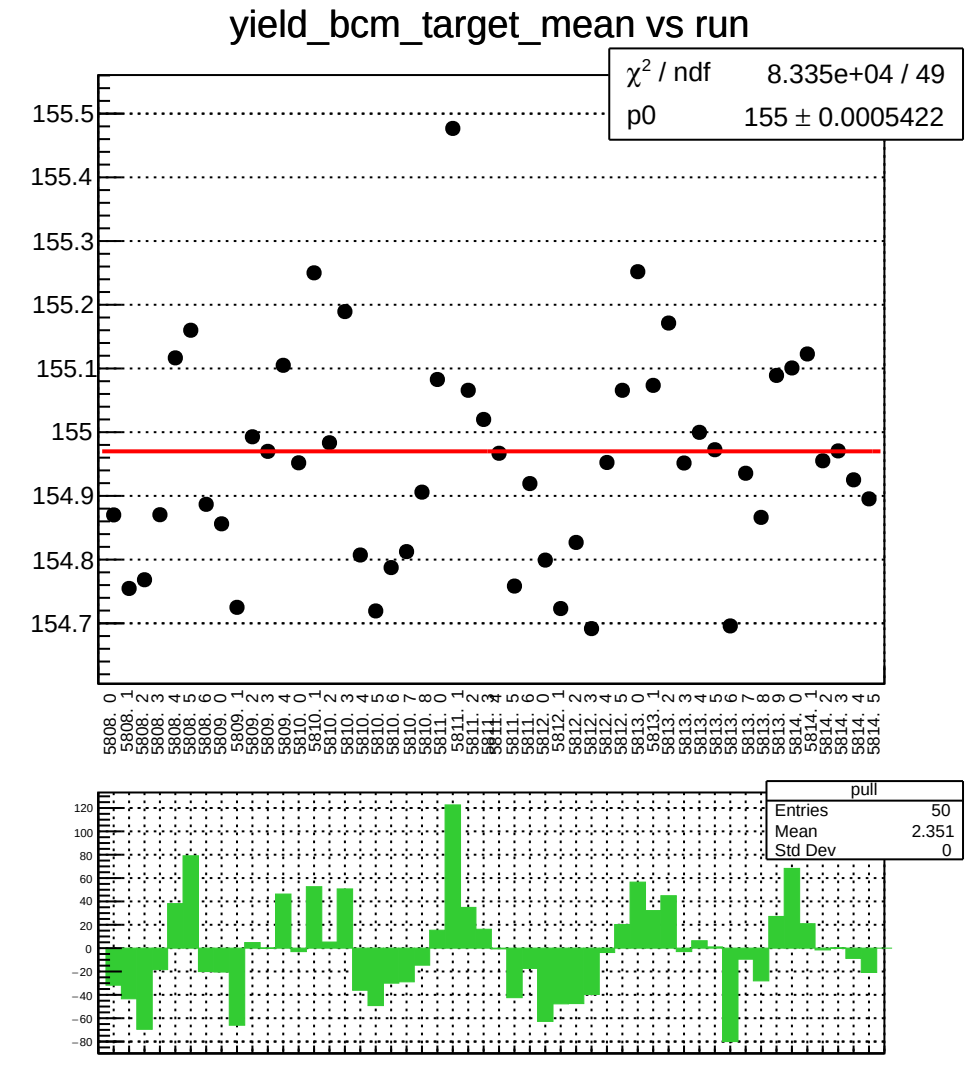

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 11.38 / 49
p0 192.3 ± 186.2
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 733.5
Std Dev 0
pull1D
Entries 50
Mean −0.002737
Std Dev 0.477

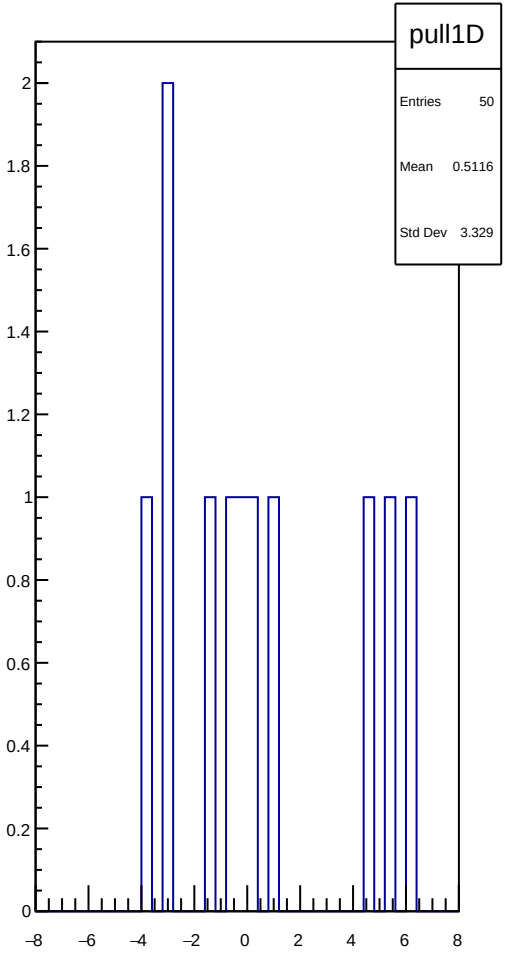

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 3.711e+04 / 49
p0 126 ± 0.1317
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

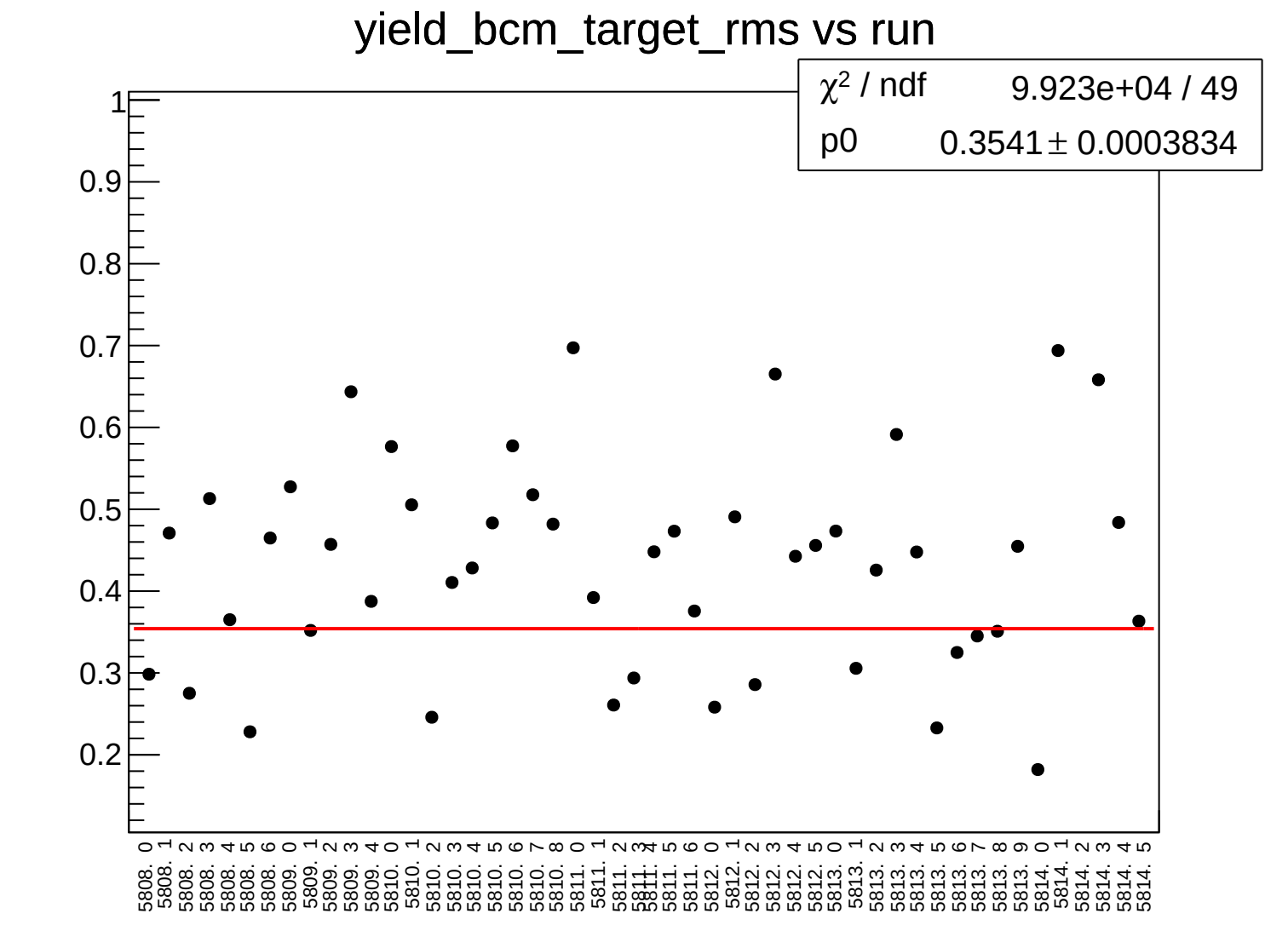

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 49.46 / 49
p0 −135.3 ± 44.42
pull
Entries 50
Mean 170.5
Std Dev 0

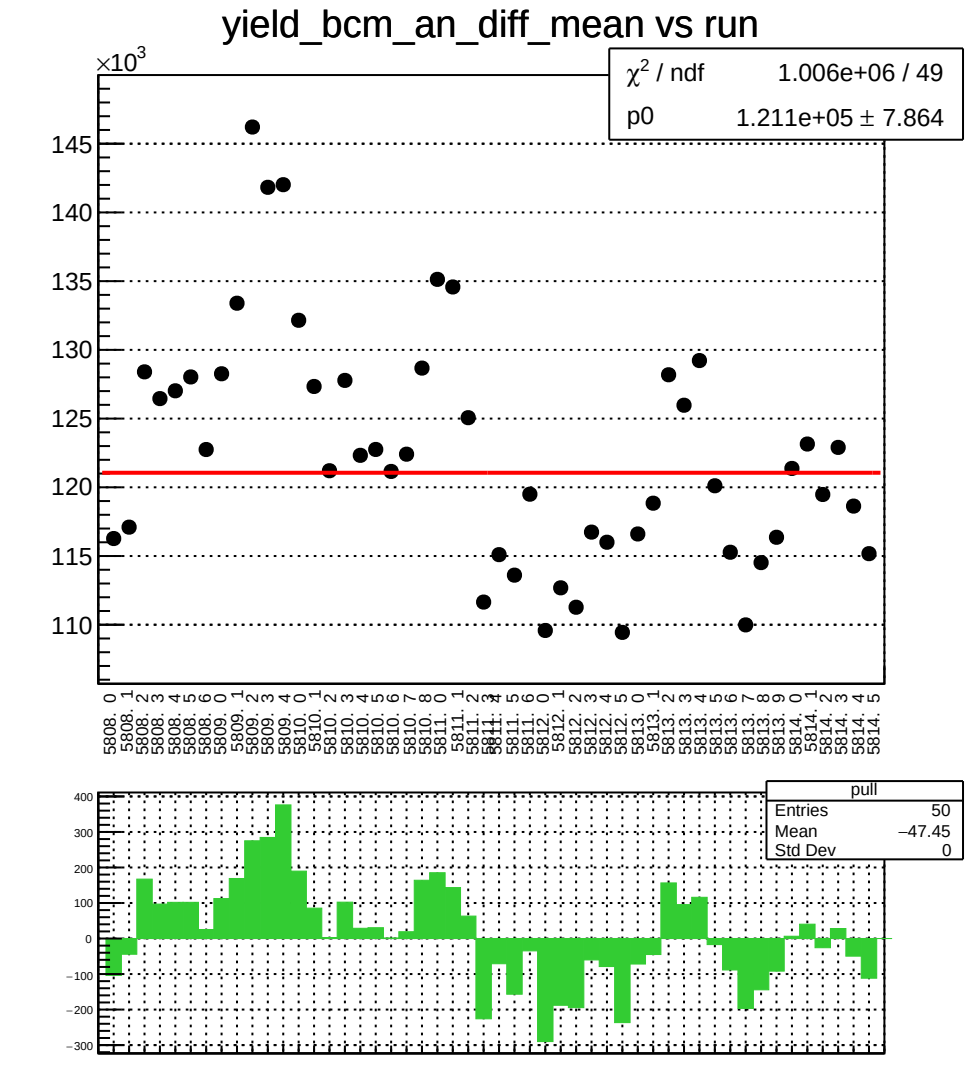

pull1D
Entries 50
Mean −0.006588
Std Dev 0.9946

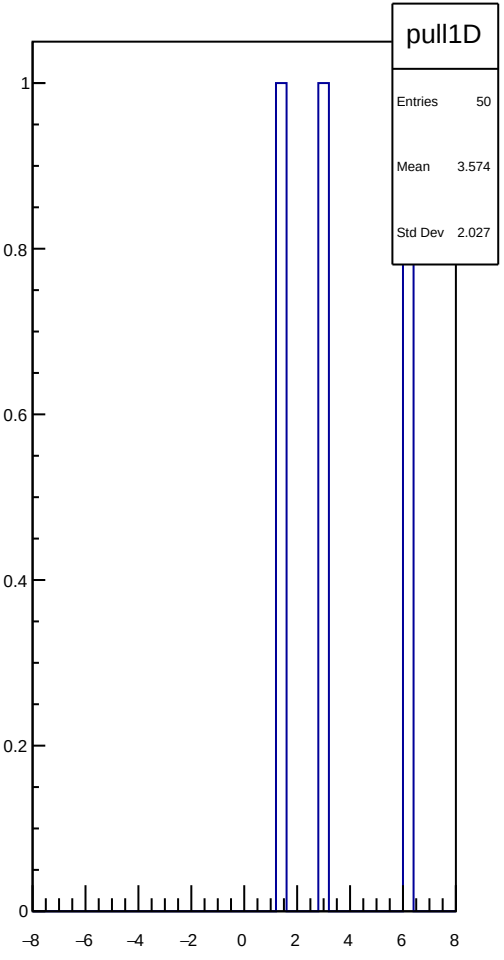

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1380 / 49
p0 30.63 ± 0.03141
34
33
32
31
30
29
28
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

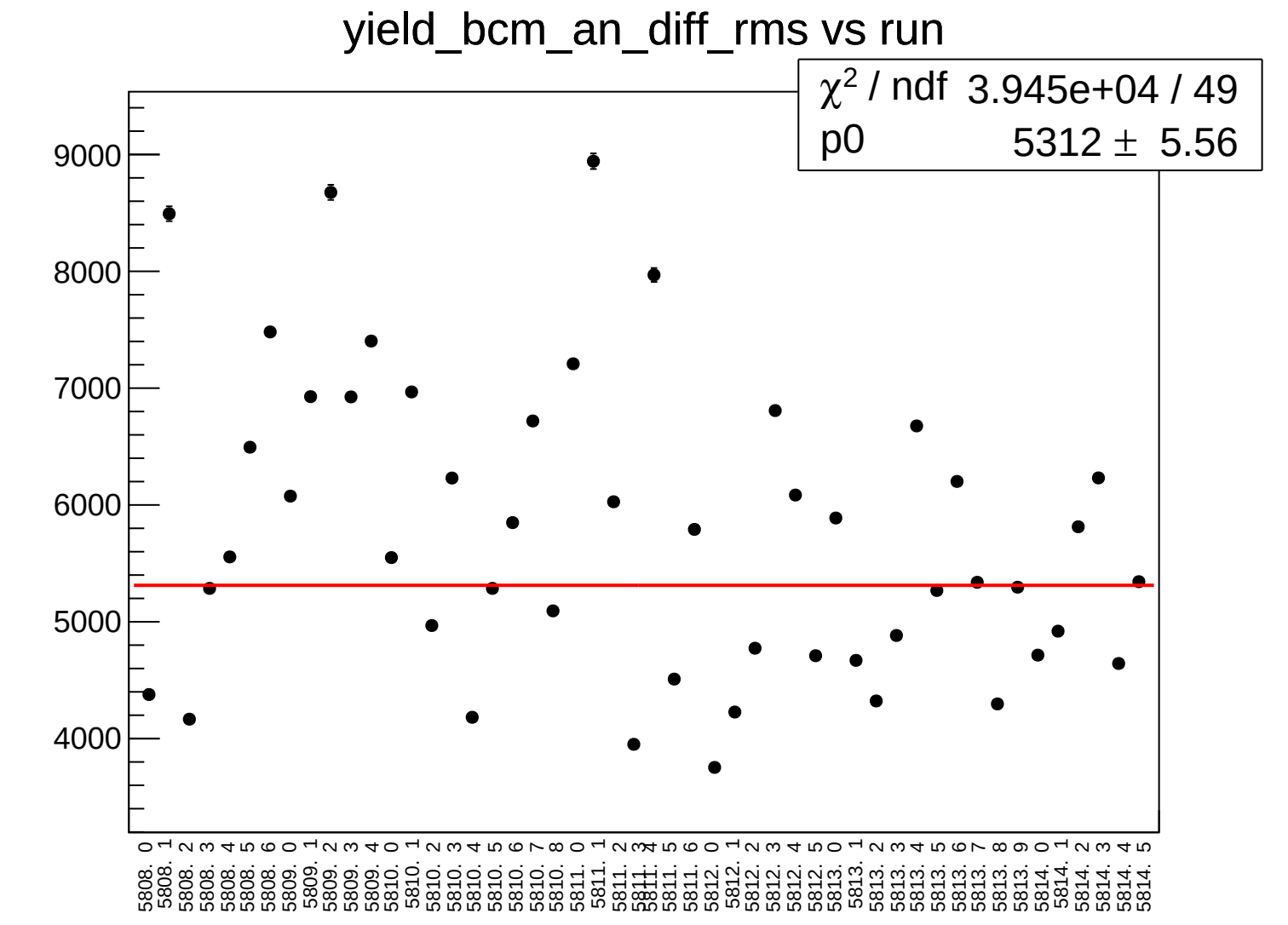

yield_bcm_target_mean vs run
χ² / ndf 8.335e+04 / 49
p0 155 ± 0.0005422
155.5
155.4
155.3
155.2
155.1
155
154.9
154.8
154.7
pull
Entries 50
Mean 2.351
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

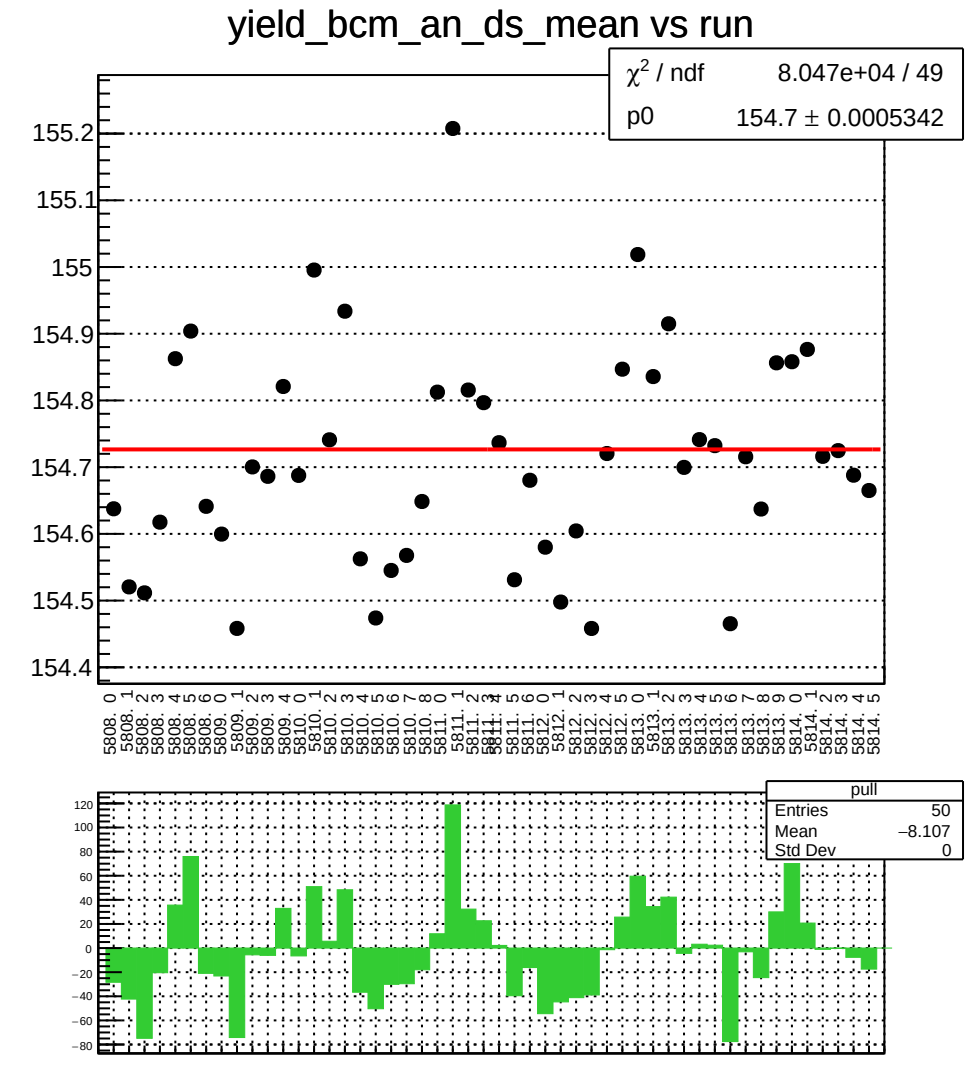

pull1D
Entries 50
Mean 0.5116
Std Dev 3.329
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

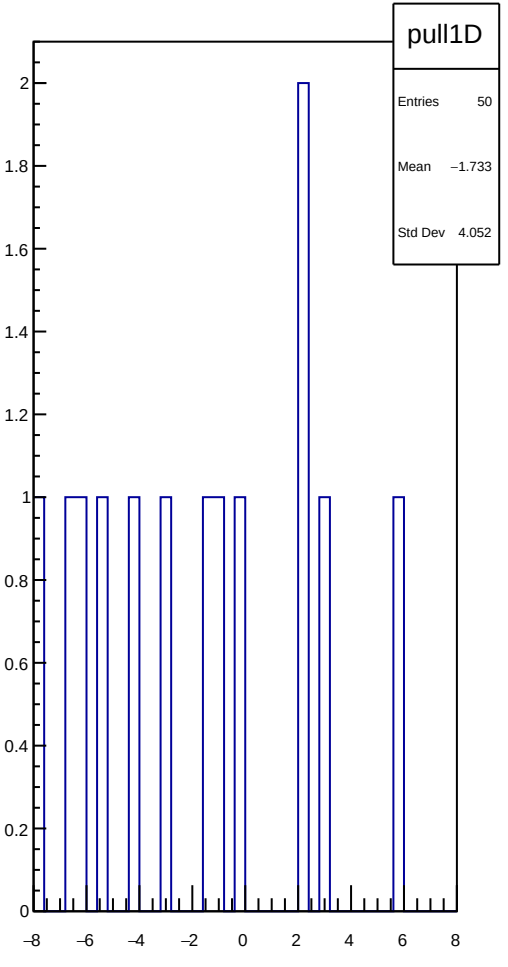

yield_bcm_target_rms vs run
χ² / ndf 9.923e+04 / 49
p0 0.3541 ± 0.0003834
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

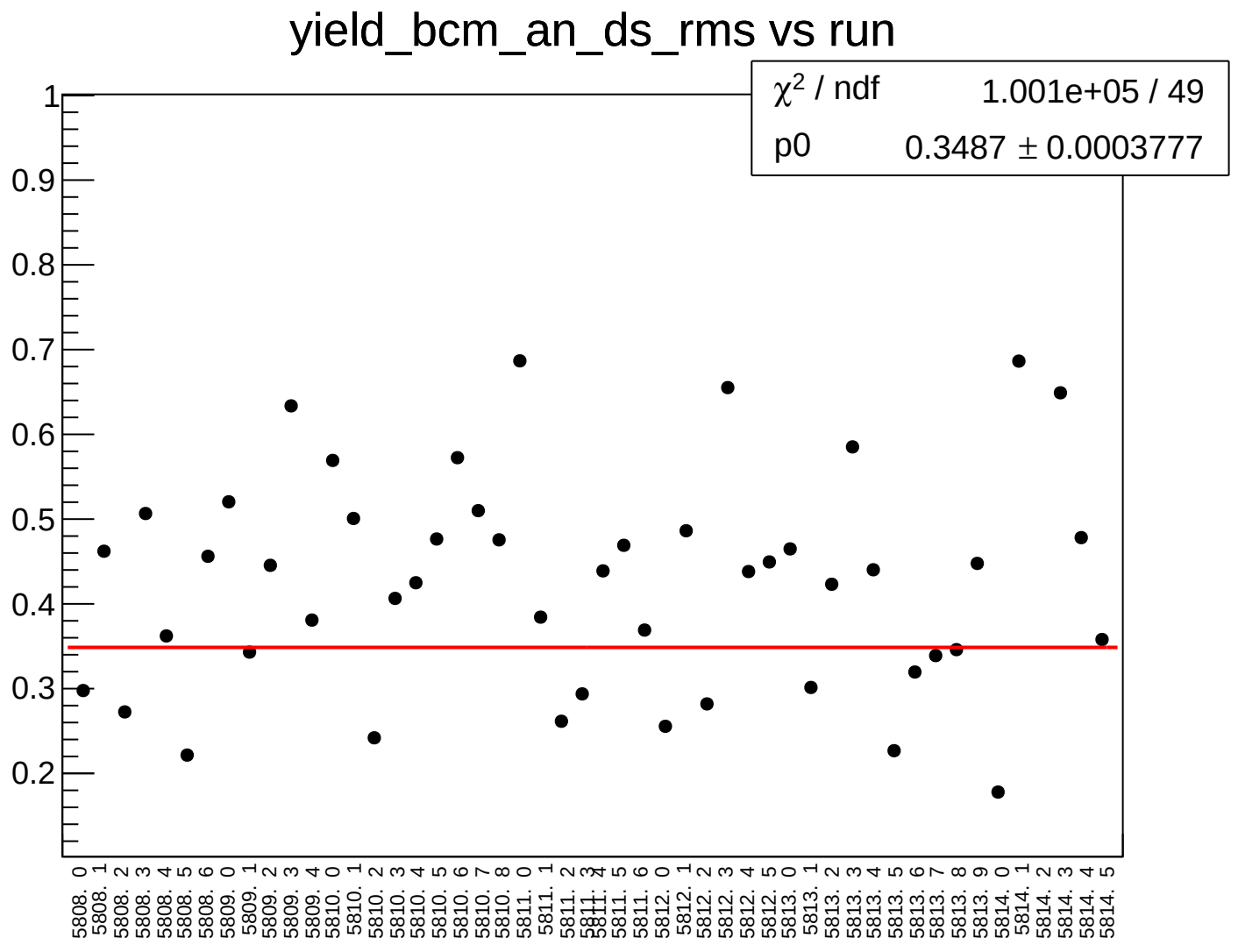

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 1.006e+06 / 49
p0 1.211e+05 ± 7.864
145
140
135
130
125
120
115
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −47.45
Std Dev 0
400
300
200
100
0
−100
−200
−300

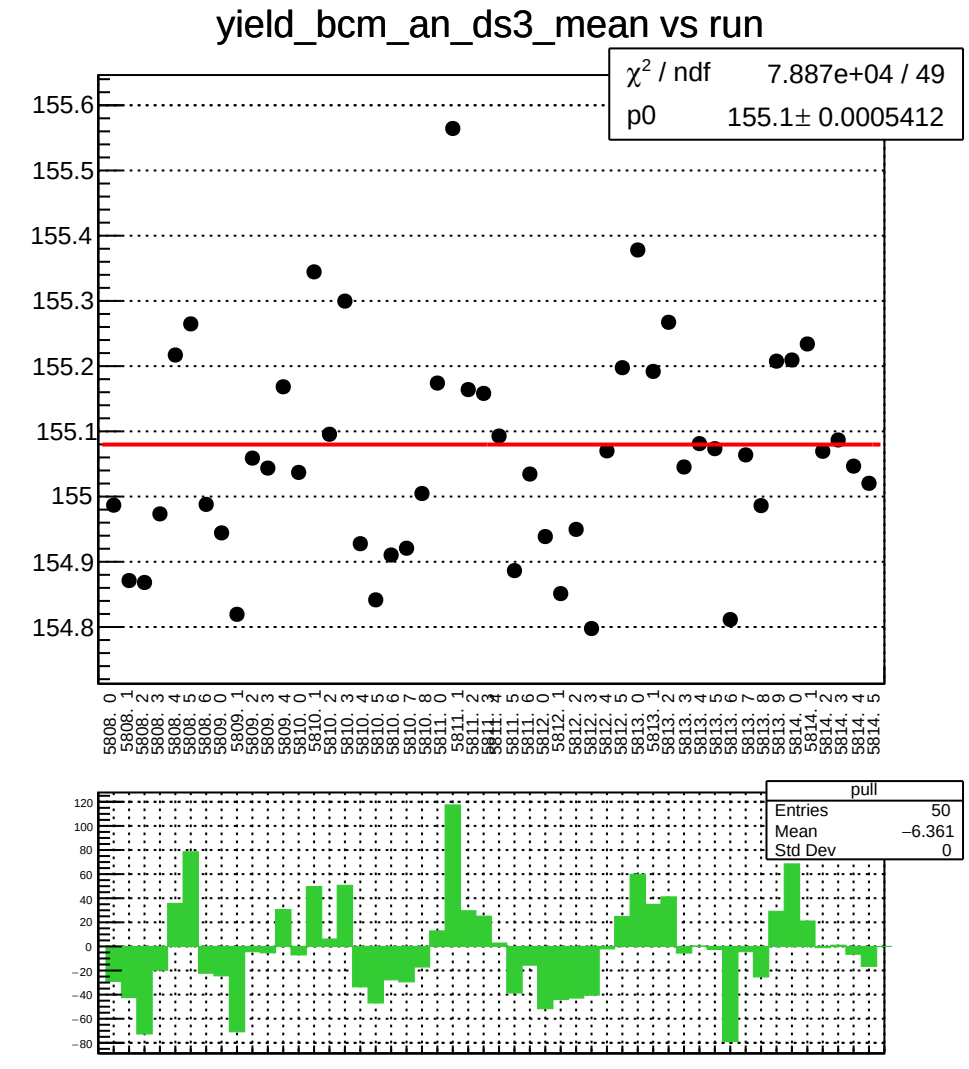

pull1D
Entries 50
Mean 3.574
Std Dev 2.027
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

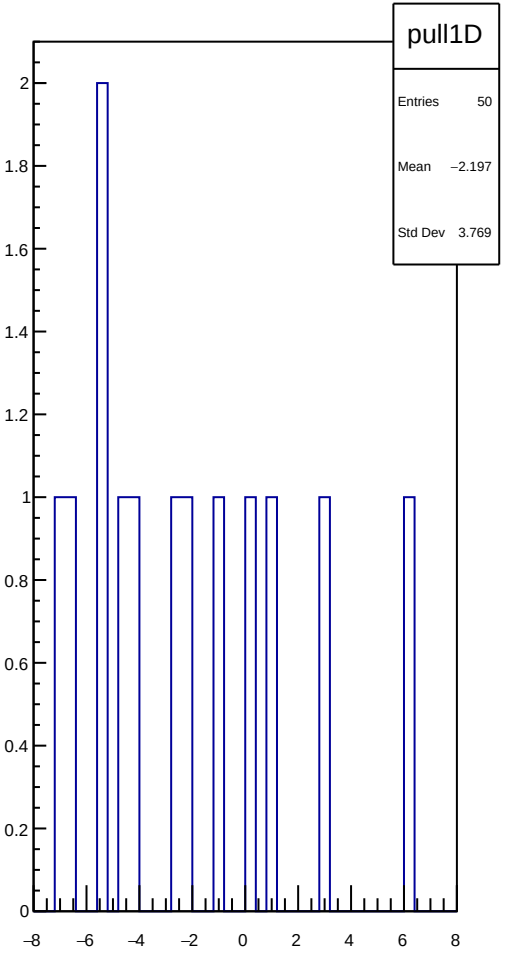

yield_bcm_an_diff_rms vs run
χ² / ndf 3.945e+04 / 49
p0 5312 ± 5.56
9000
8000
7000
6000
5000
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

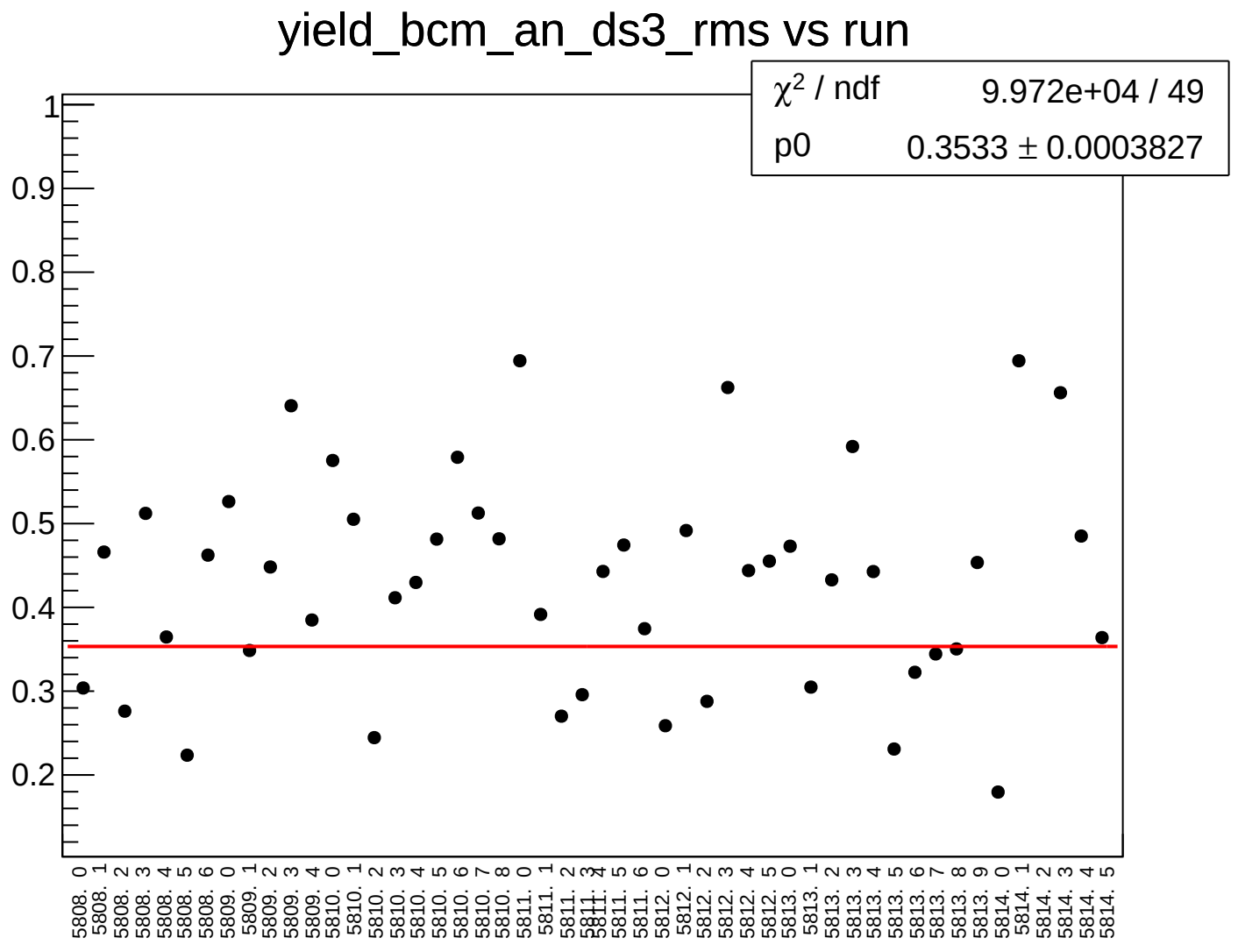

yield_bcm_an_ds_mean vs run
χ² / ndf 8.047e+04 / 49
p0 154.7 ± 0.0005342
155.2
155.1
155
154.9
154.8
154.7
154.6
154.5
154.4
pull
Entries 50
Mean −8.107
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

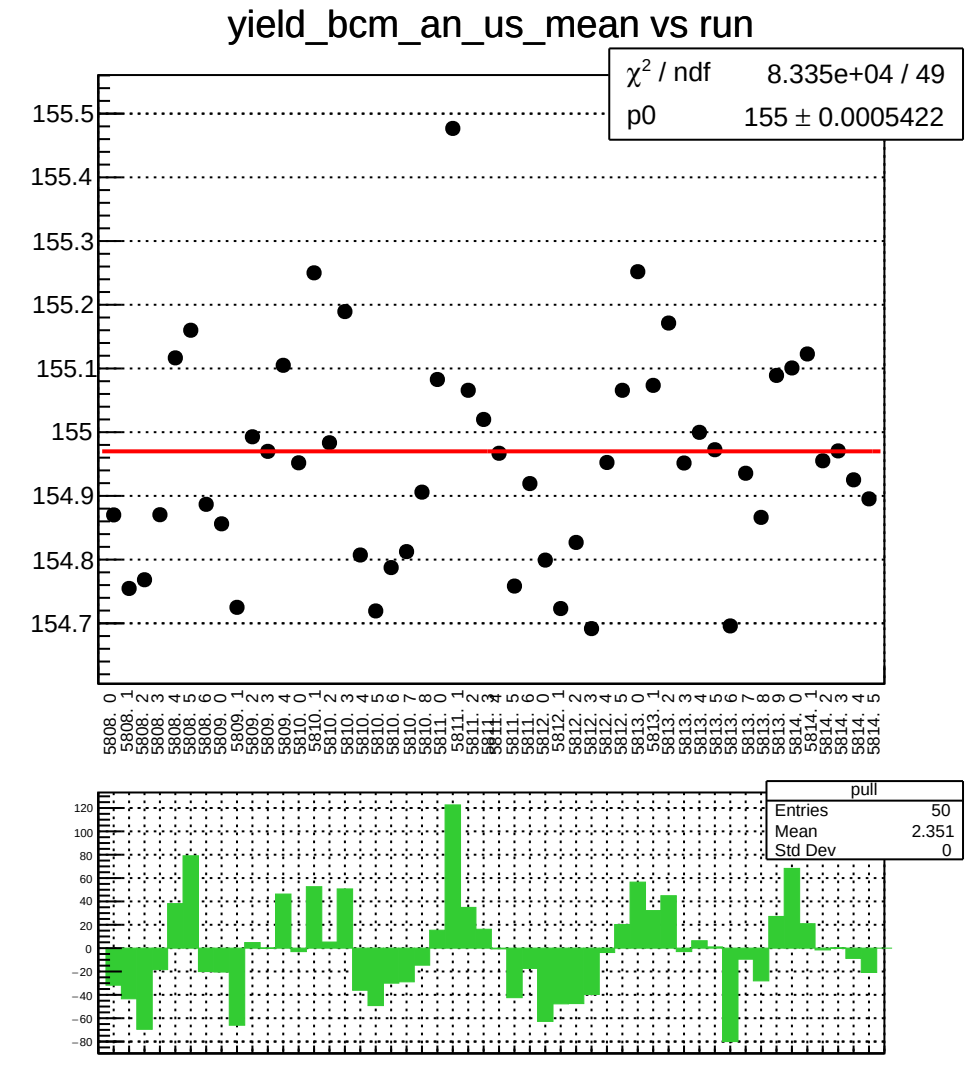

pull1D
Entries 50
Mean −1.733
Std Dev 4.052
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

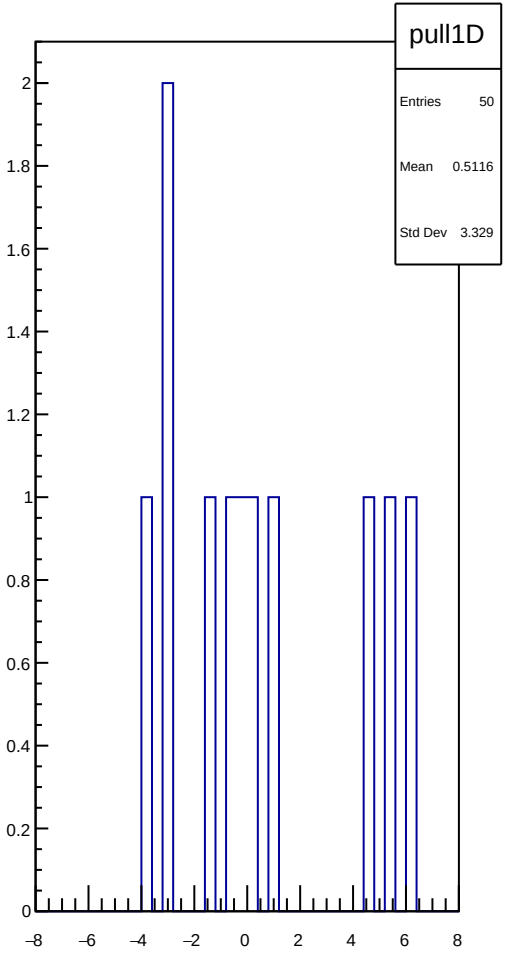

yield_bcm_an_ds_rms vs run
χ² / ndf 1.001e+05 / 49
p0 0.3487 ± 0.0003777
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

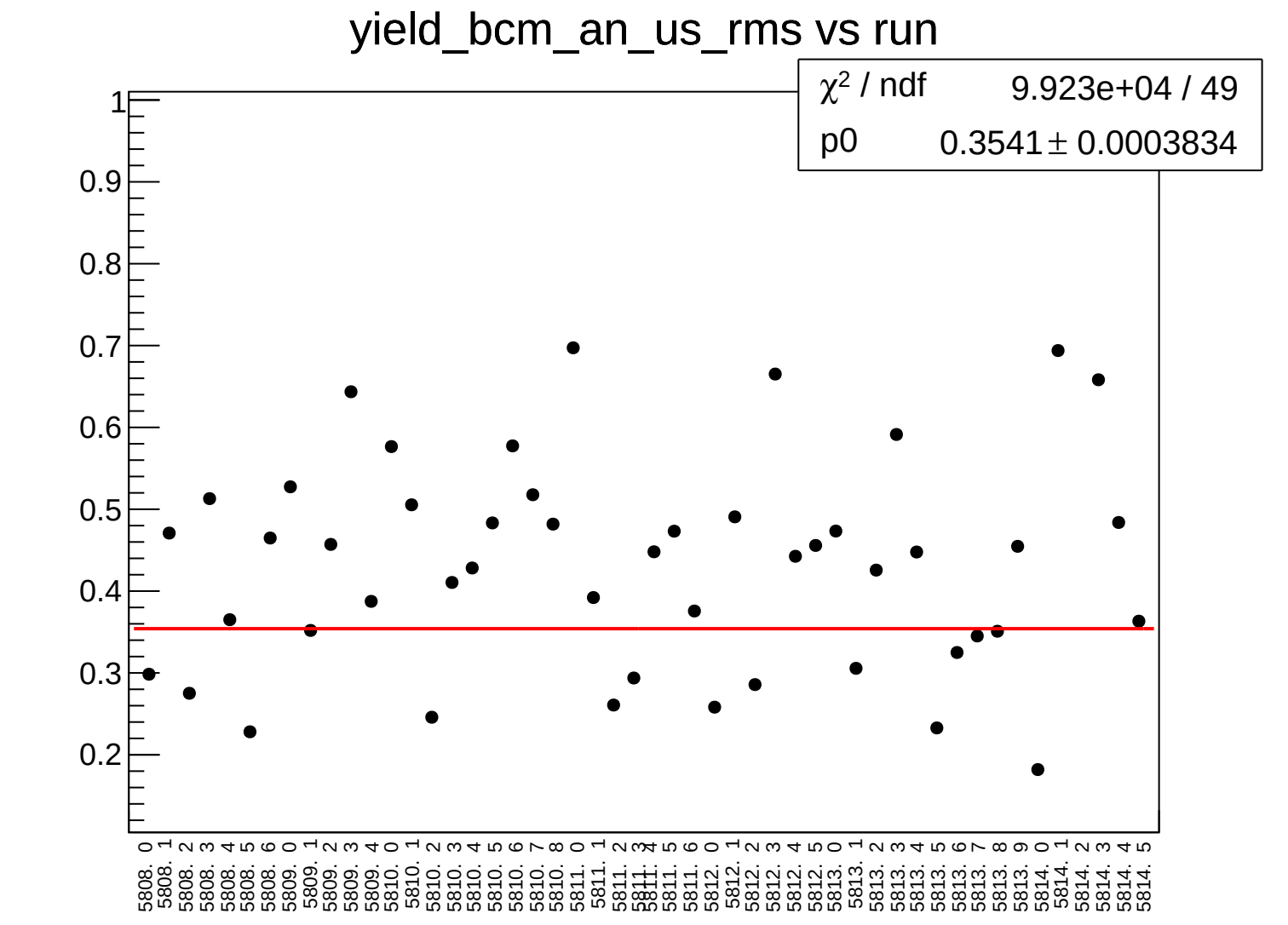

yield_bcm_an_ds3_mean vs run
χ² / ndf 7.887e+04 / 49
p0 155.1± 0.0005412
155.6
155.5
155.4
155.3
155.2
155.1
155
154.9
154.8
pull
Entries 50
Mean −6.361
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

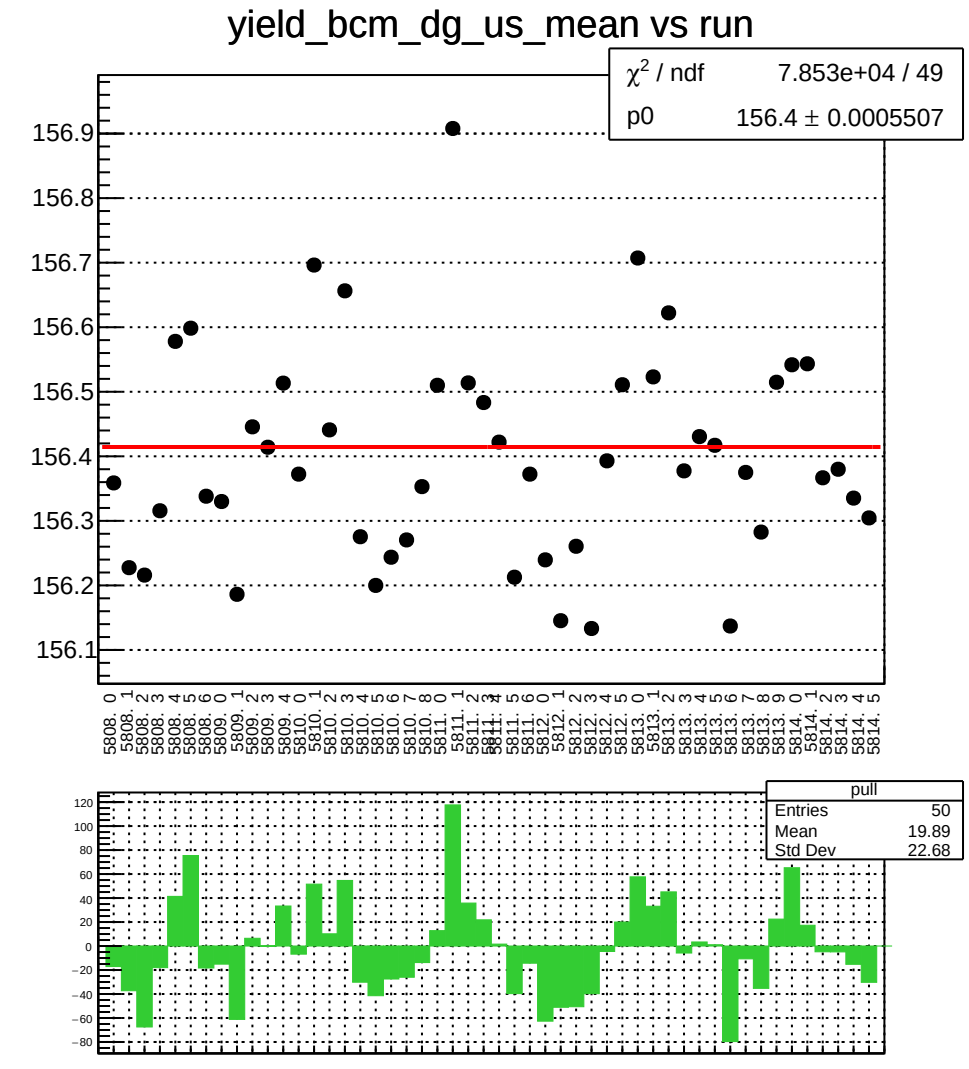

pull1D
Entries 50
Mean −2.197
Std Dev 3.769
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

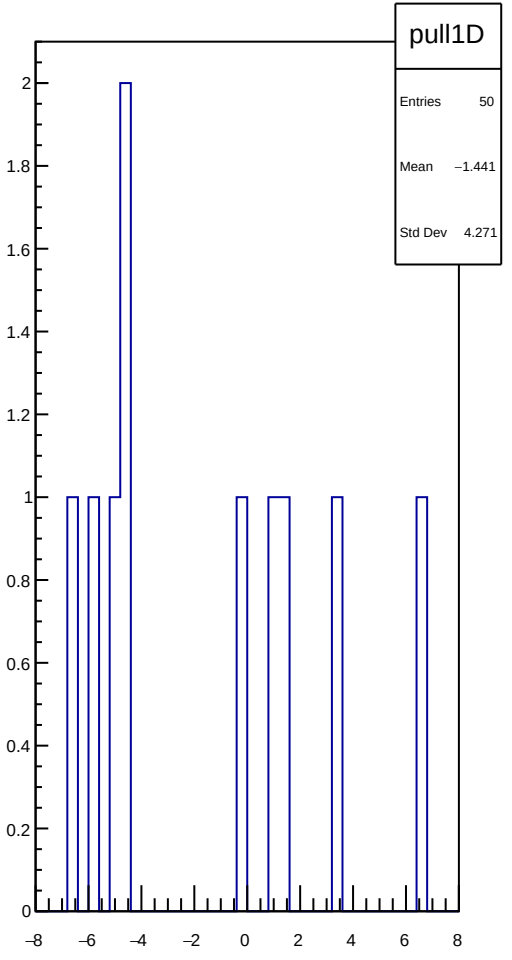

yield_bcm_an_ds3_rms vs run
χ² / ndf 9.972e+04 / 49
p0 0.3533 ± 0.0003827
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

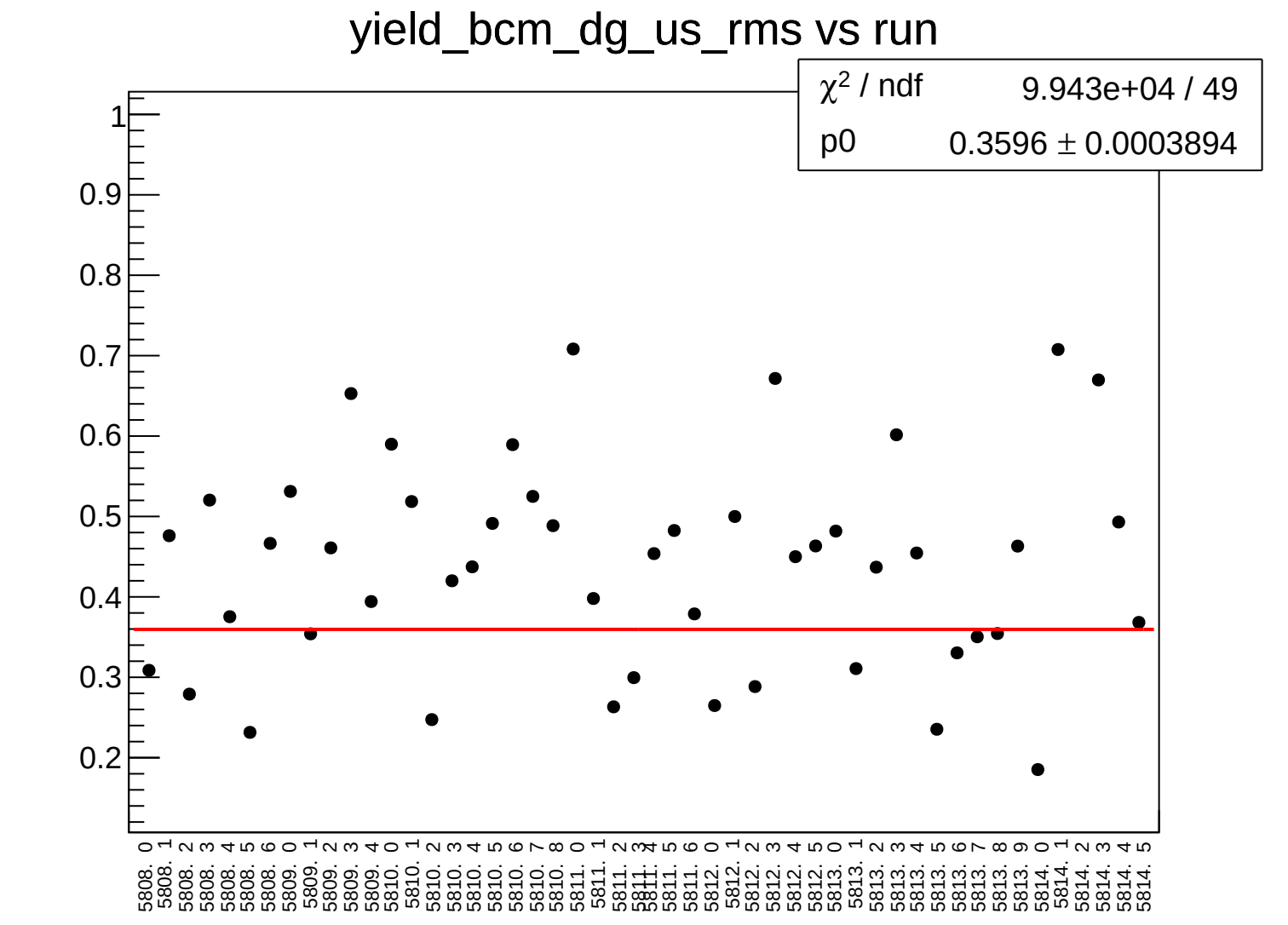

yield_bcm_an_us_mean vs run
χ² / ndf 8.335e+04 / 49
p0 155 ± 0.0005422
155.5
155.4
155.3
155.2
155.1
155
154.9
154.8
154.7
pull
Entries 50
Mean 2.351
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

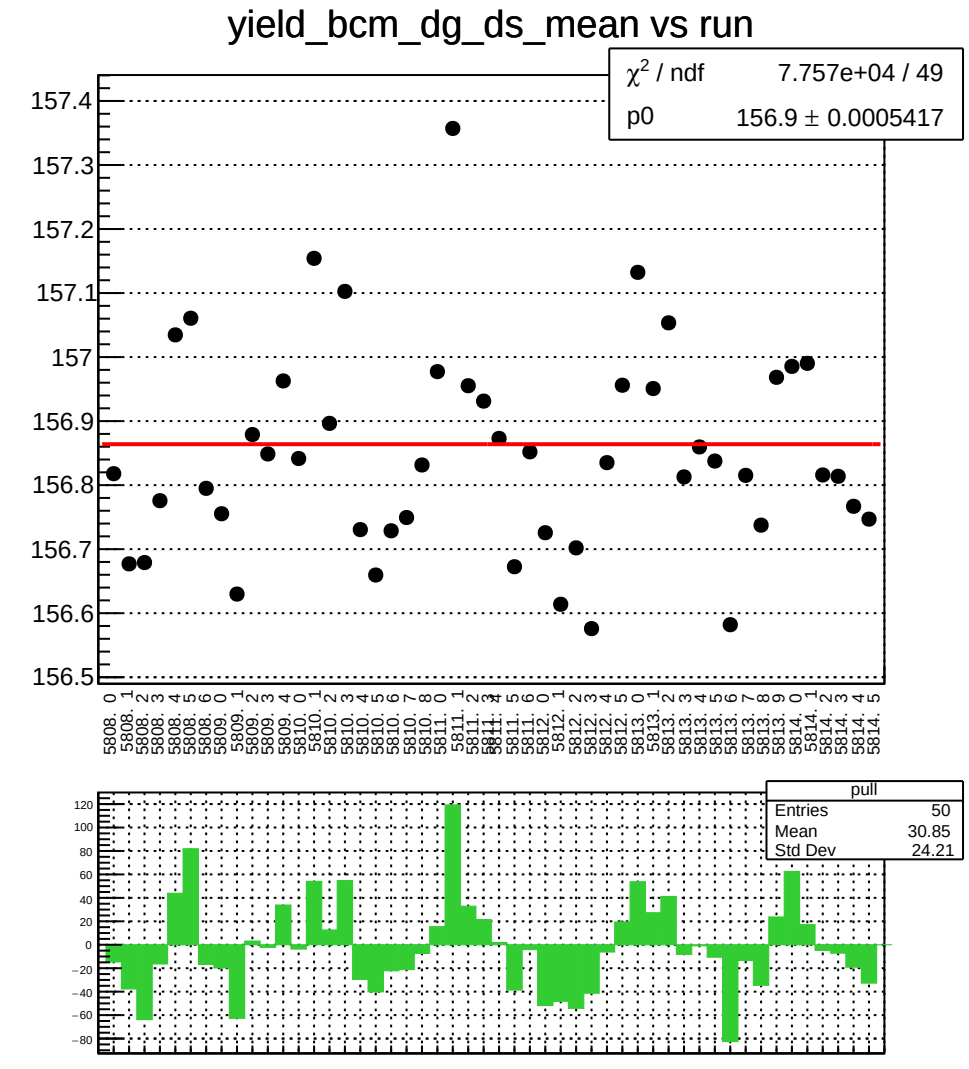

pull1D
Entries 50
Mean 0.5116
Std Dev 3.329
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

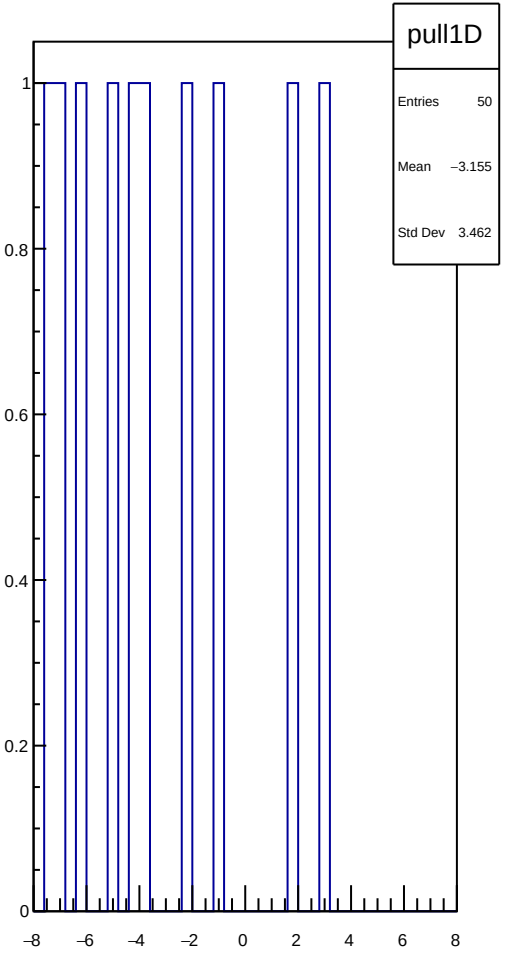

yield_bcm_an_us_rms vs run
χ² / ndf 9.923e+04 / 49
p0 0.3541 ± 0.0003834
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

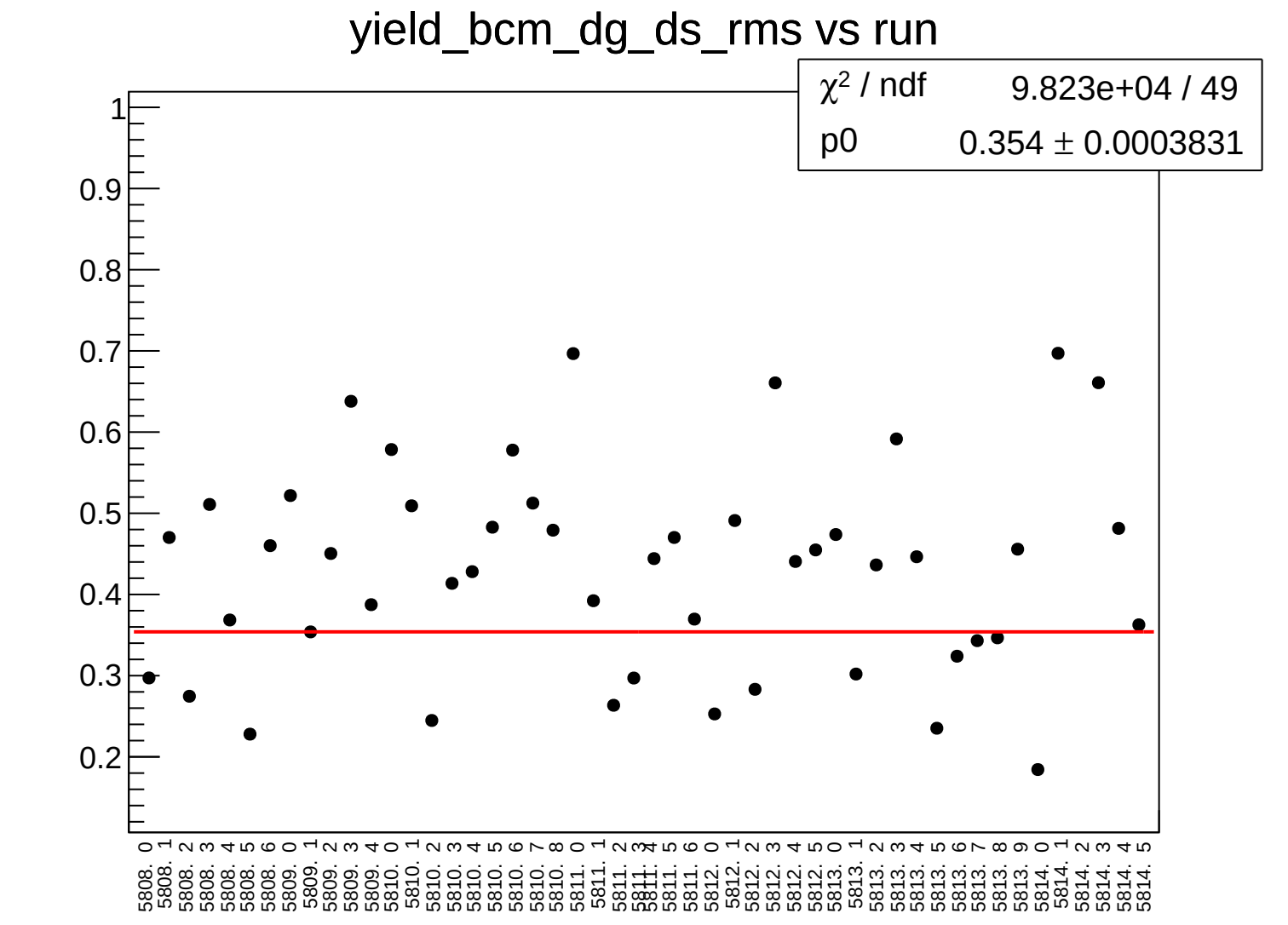

yield_bcm_dg_us_mean vs run
χ² / ndf 7.853e+04 / 49
p0 156.4 ± 0.0005507
156.9
156.8
156.7
156.6
156.5
156.4
156.3
156.2
156.1
pull
Entries 50
Mean 19.89
Std Dev 22.68
120
100
80
60
40
20
0
−20
−40
−60
−80

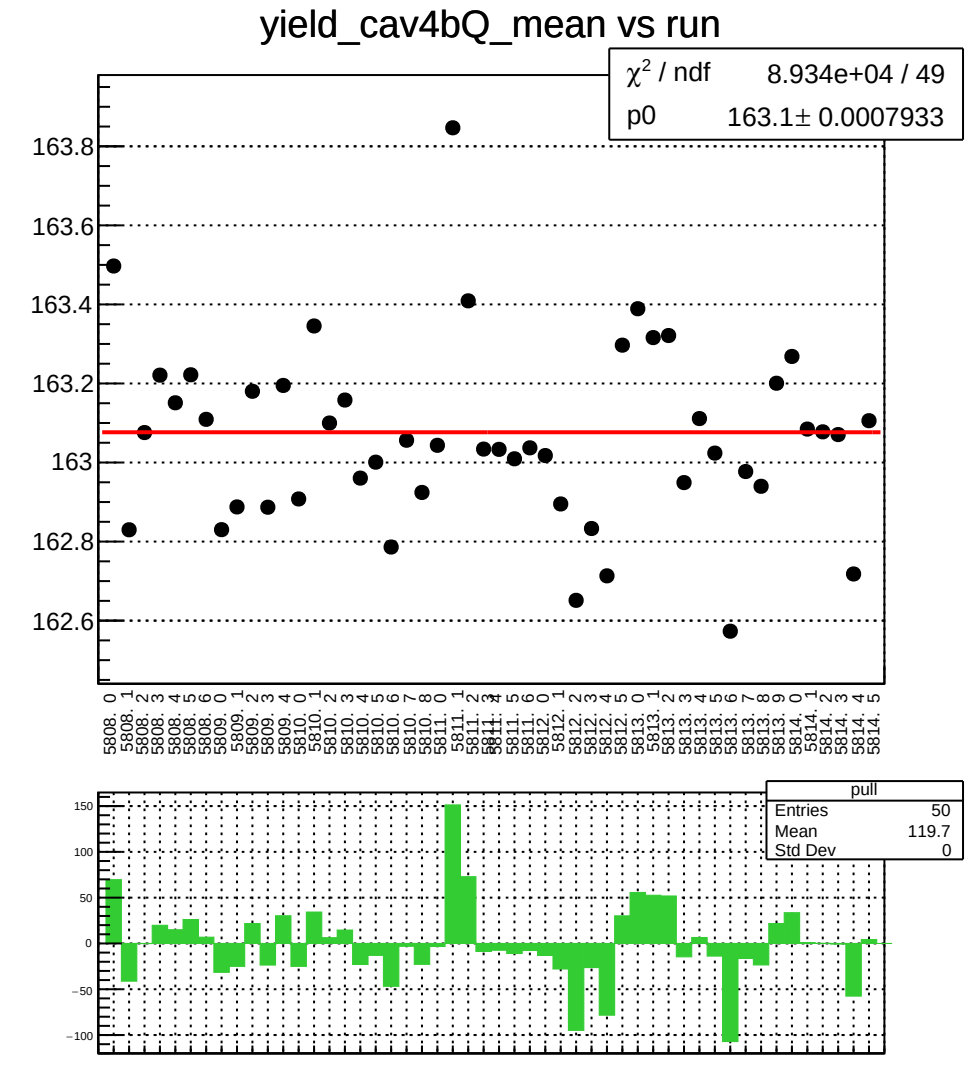

pull1D
Entries 50
Mean −1.441
Std Dev 4.271
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

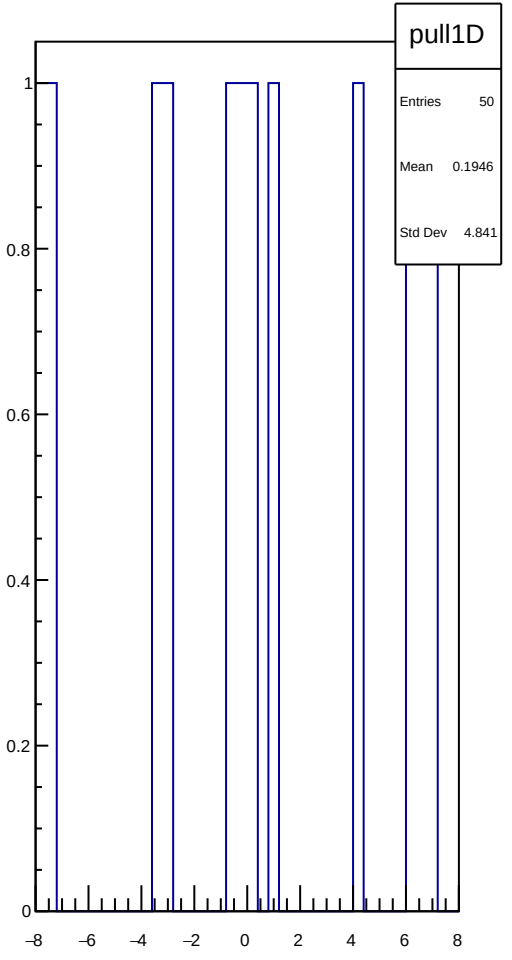

yield_bcm_dg_us_rms vs run
χ² / ndf 9.943e+04 / 49
p0 0.3596 ± 0.0003894
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

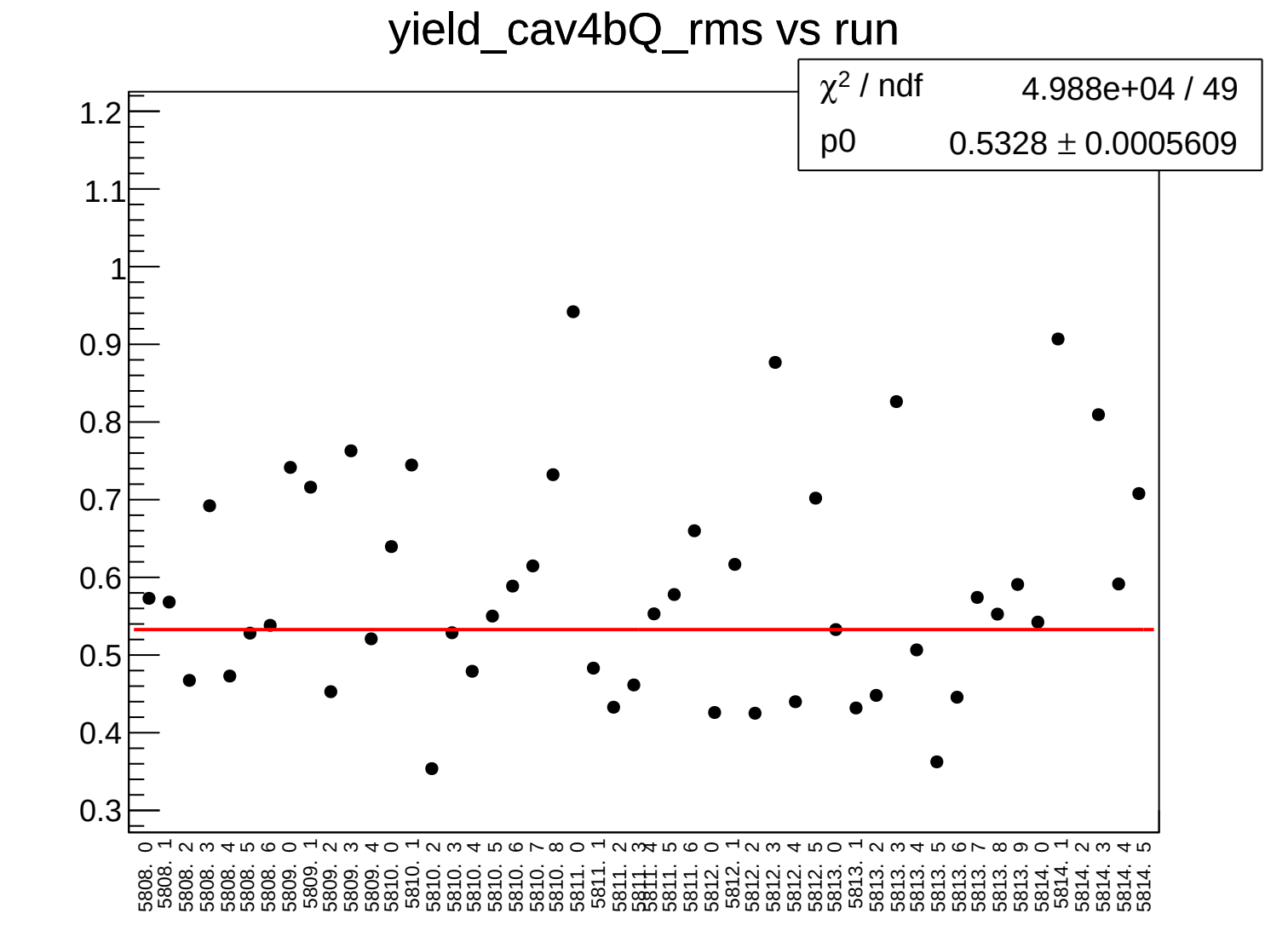

yield_bcm_dg_ds_mean vs run
χ² / ndf 7.757e+04 / 49
p0 156.9 ± 0.0005417
157.4
157.3
157.2
157.1
157
156.9
156.8
156.7
156.6
156.5
pull
Entries 50
Mean 30.85
Std Dev 24.21
120
100
80
60
40
20
0
−20
−40
−60
−80

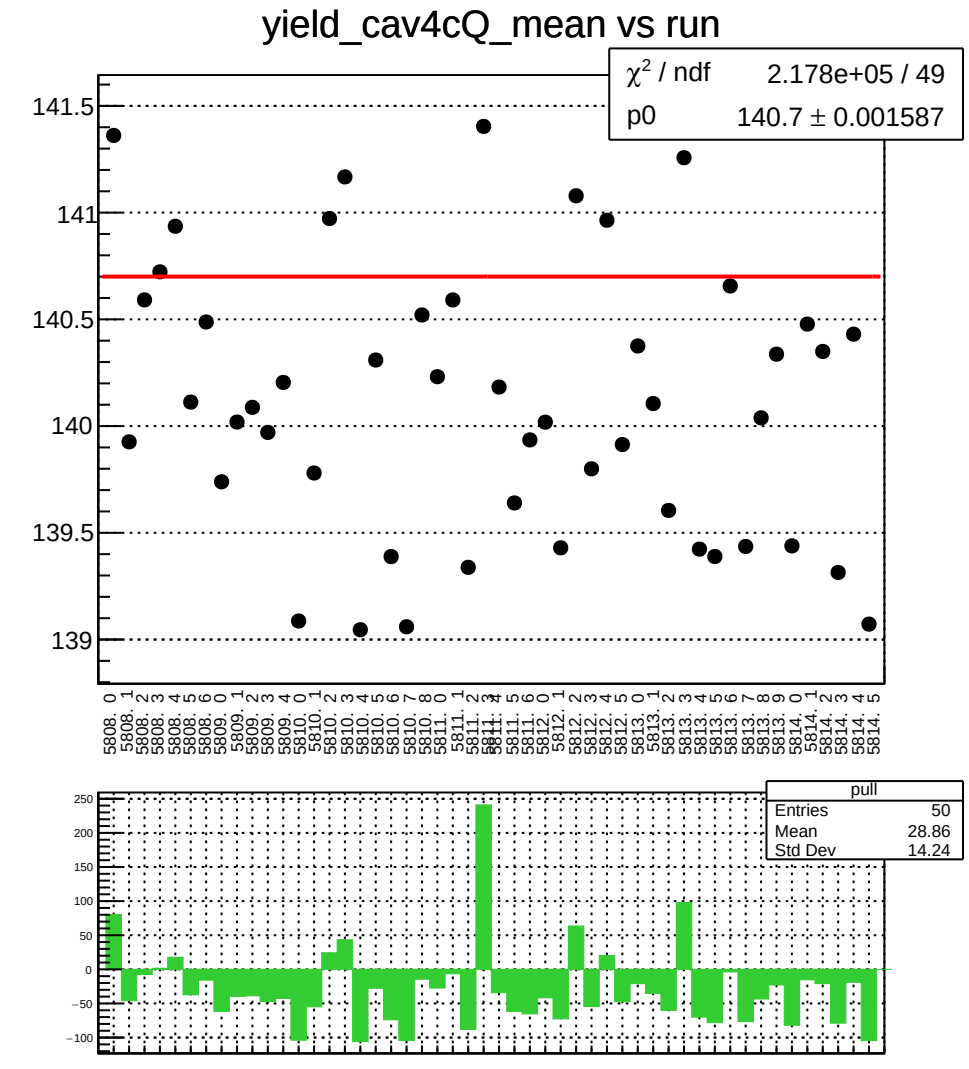

pull1D
Entries 50
Mean −3.155
Std Dev 3.462
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

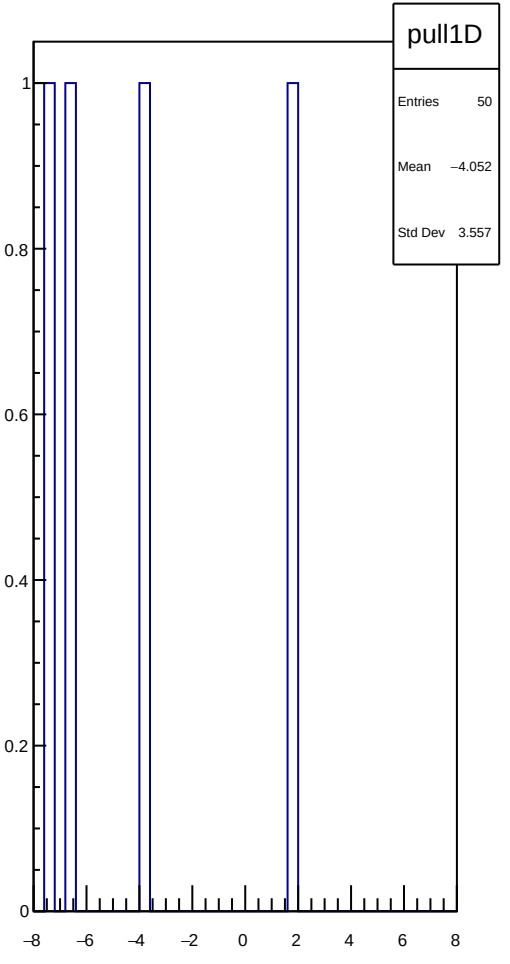

yield_bcm_dg_ds_rms vs run
χ² / ndf 9.823e+04 / 49
p0 0.354 ± 0.0003831
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

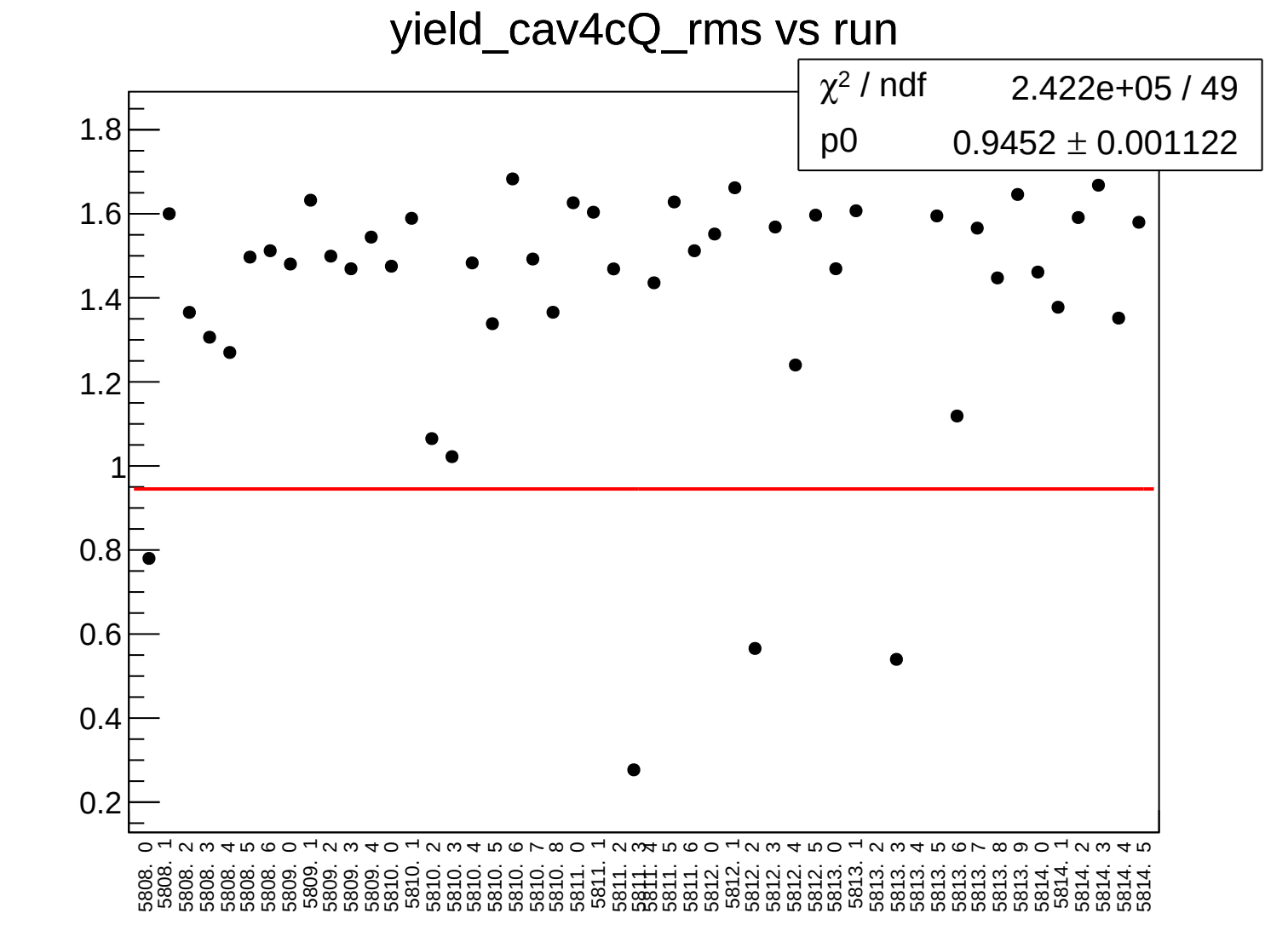

yield_cav4bQ_mean vs run
χ² / ndf 8.934e+04 / 49
p0 163.1± 0.0007933
163.8
163.6
163.4
163.2
163
162.8
162.6
pull
Entries 50
Mean 119.7
Std Dev 0
150
100
50
0
−50
−100

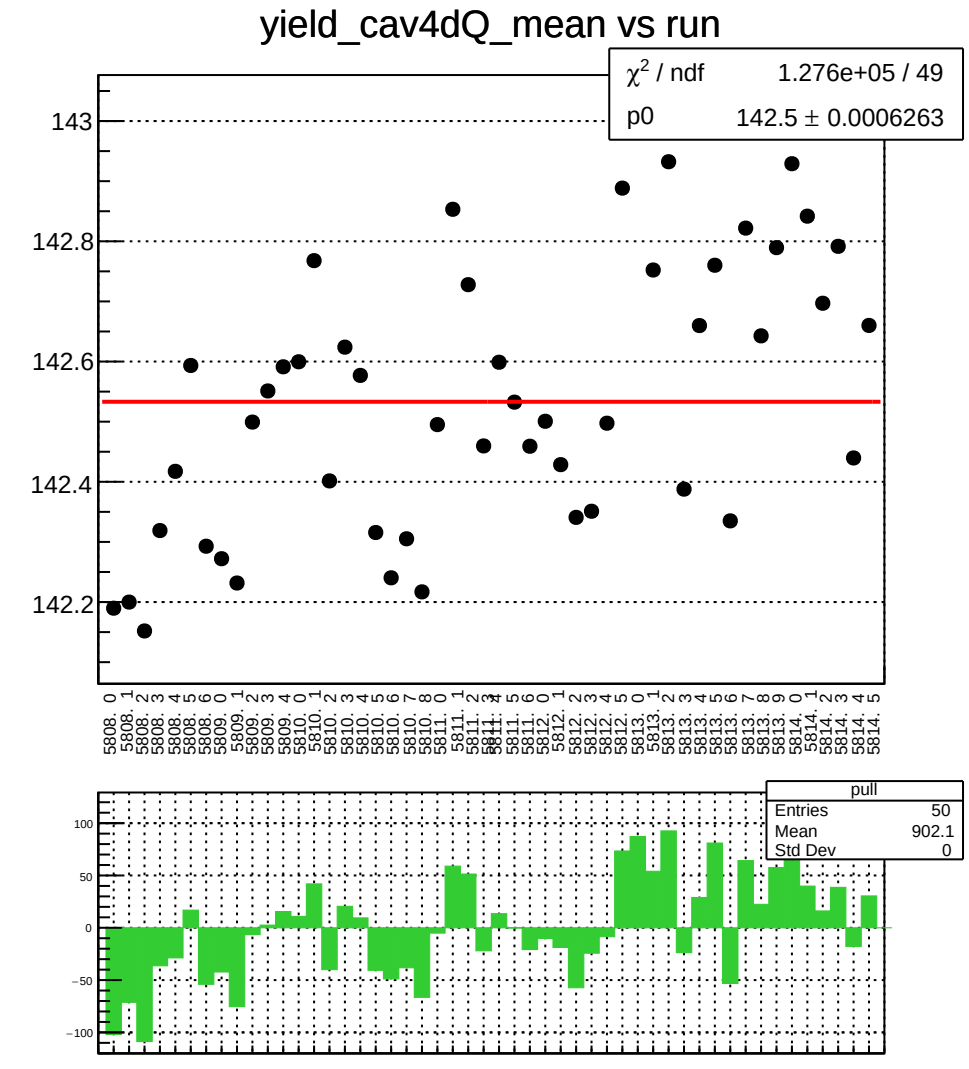

pull1D
Entries 50
Mean 0.1946
Std Dev 4.841
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

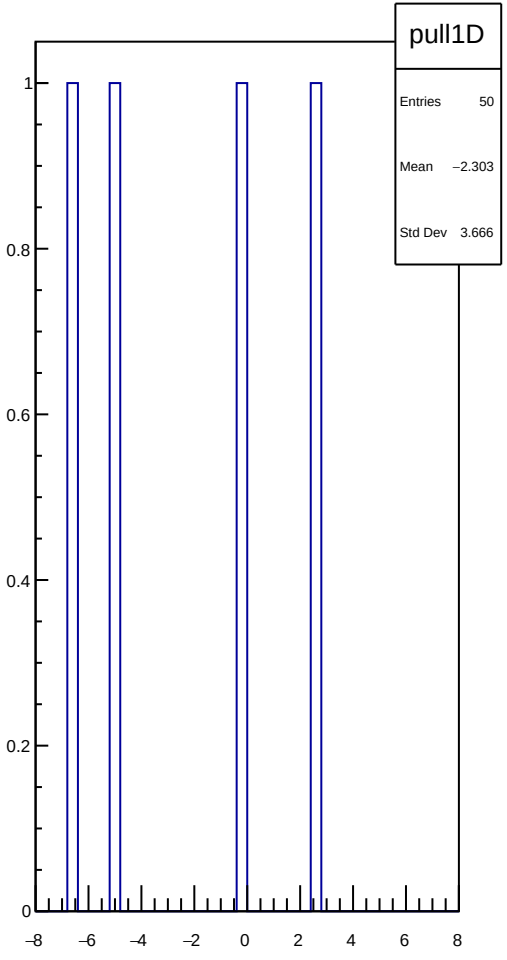

yield_cav4bQ_rms vs run
χ² / ndf 4.988e+04 / 49
p0 0.5328 ± 0.0005609
1.2
1.1
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

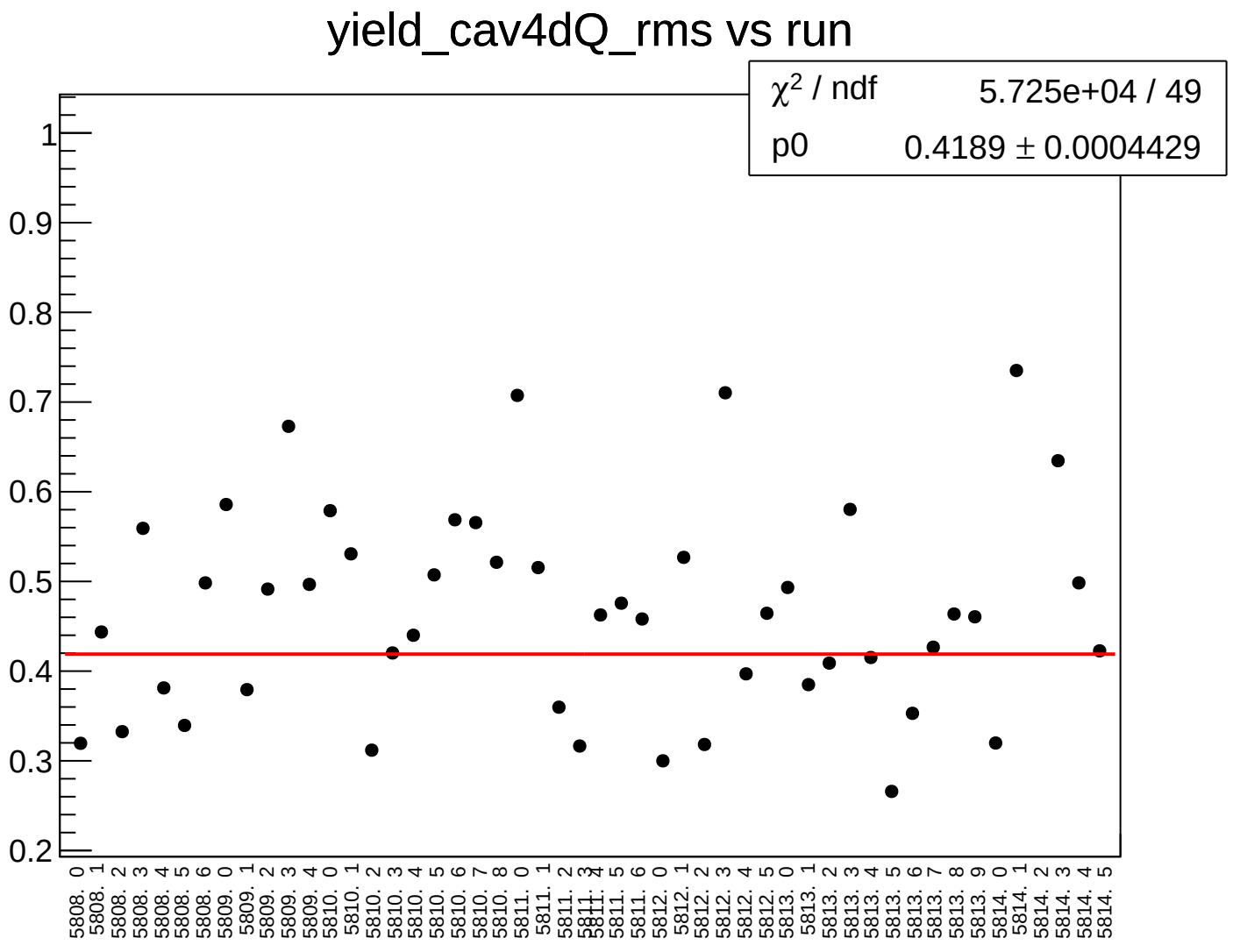

yield_cav4cQ_mean vs run
χ² / ndf 2.178e+05 / 49
p0 140.7 ± 0.001587
141.5
141
140.5
140
139.5
139
pull
Entries 50
Mean 28.86
Std Dev 14.24
250
200
150
100
50
0
−50
−100

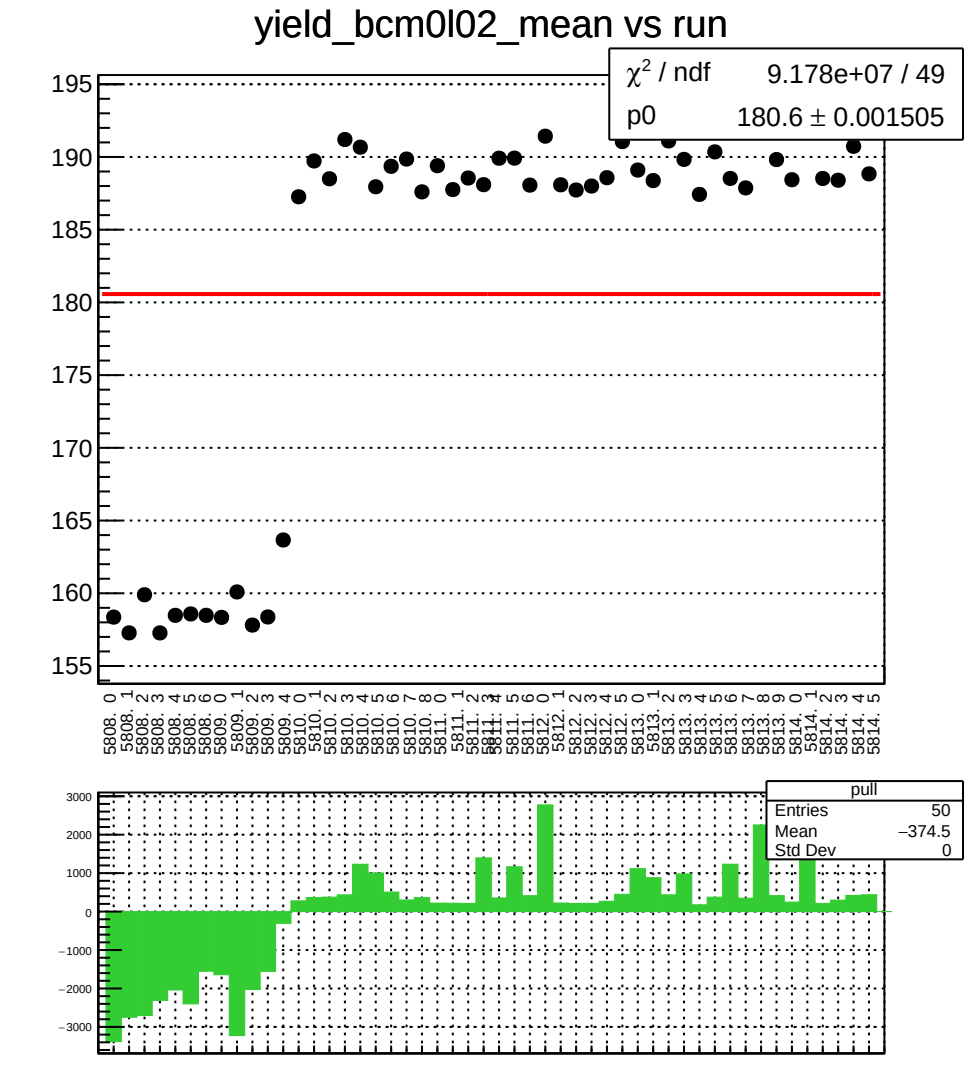

pull1D
Entries 50
Mean −4.052
Std Dev 3.557
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

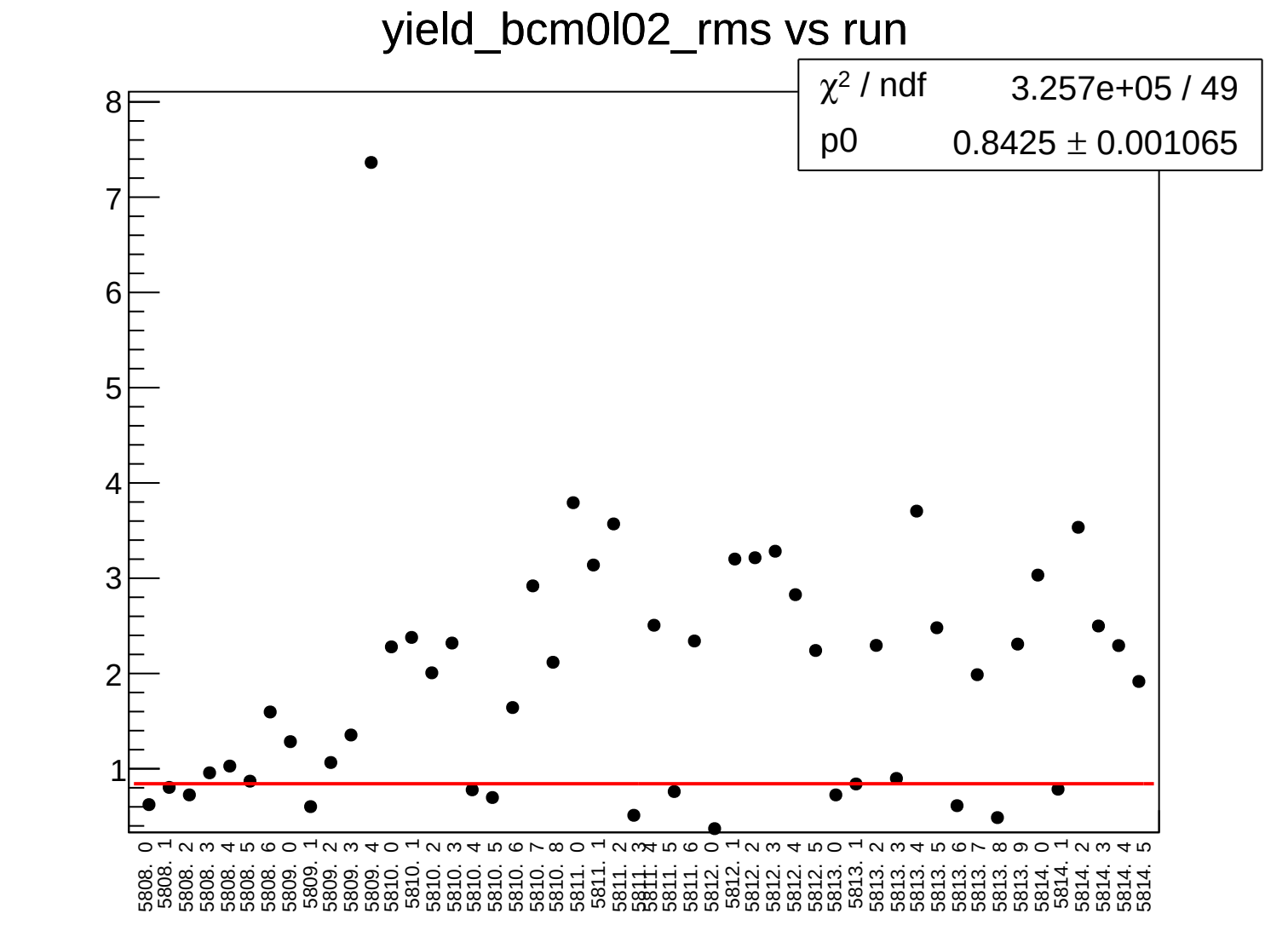

yield_cav4cQ_rms vs run
χ² / ndf 2.422e+05 / 49
p0 0.9452 ± 0.001122
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

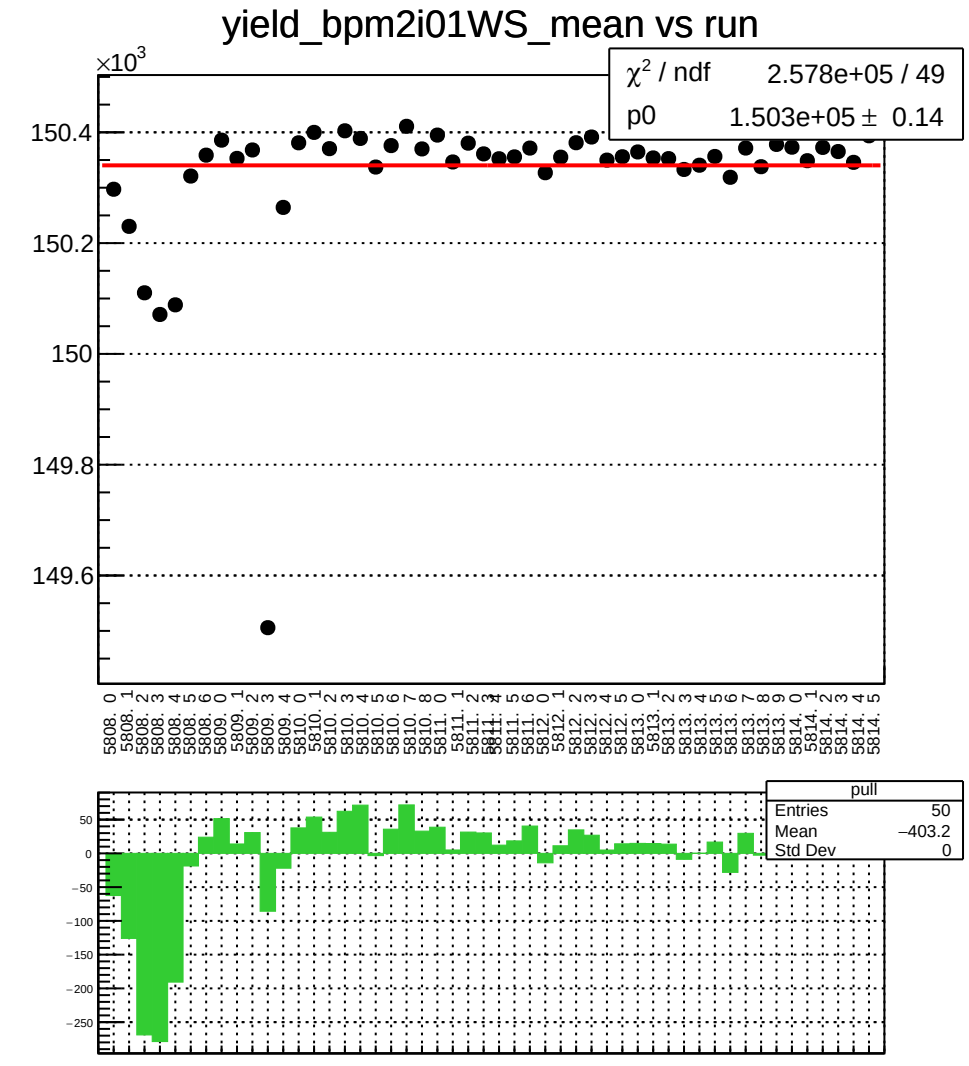

yield_cav4dQ_mean vs run
χ² / ndf 1.276e+05 / 49
p0 142.5 ± 0.0006263
143
142.8
142.6
142.4
142.2
pull
Entries 50
Mean 902.1
Std Dev 0
100
50
0
−50
−100

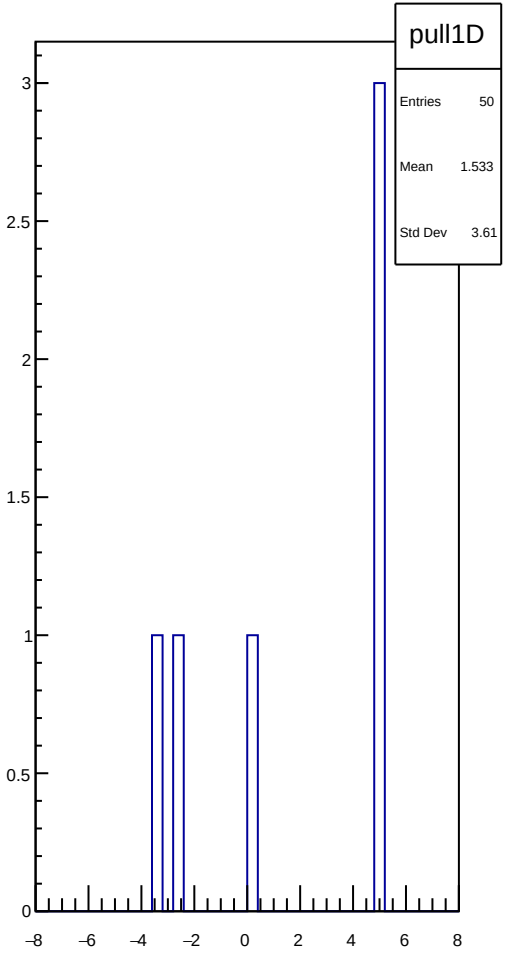

pull1D
Entries 50
Mean −2.303
Std Dev 3.666
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

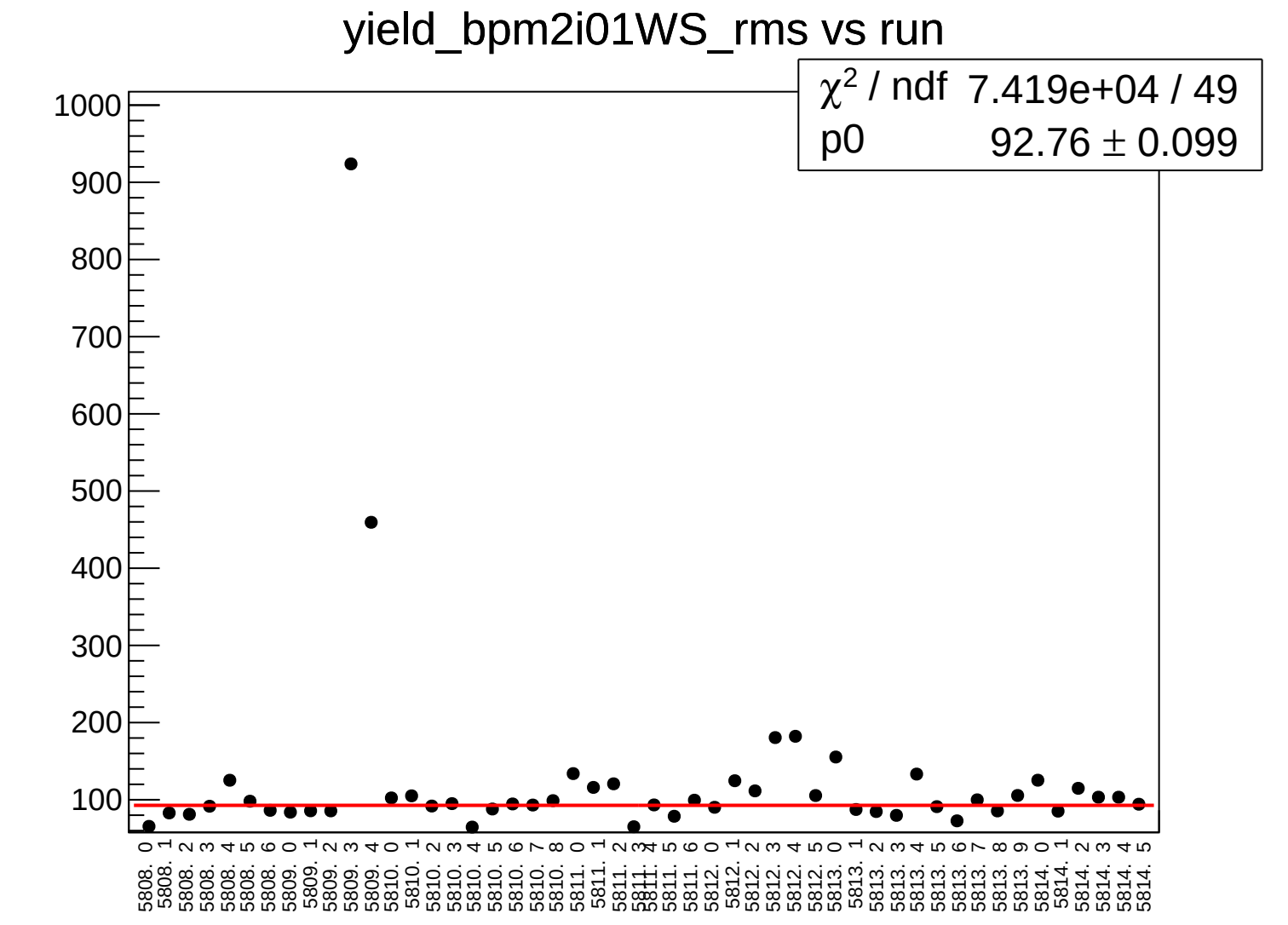

yield_cav4dQ_rms vs run
χ² / ndf 5.725e+04 / 49
p0 0.4189 ± 0.0004429
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

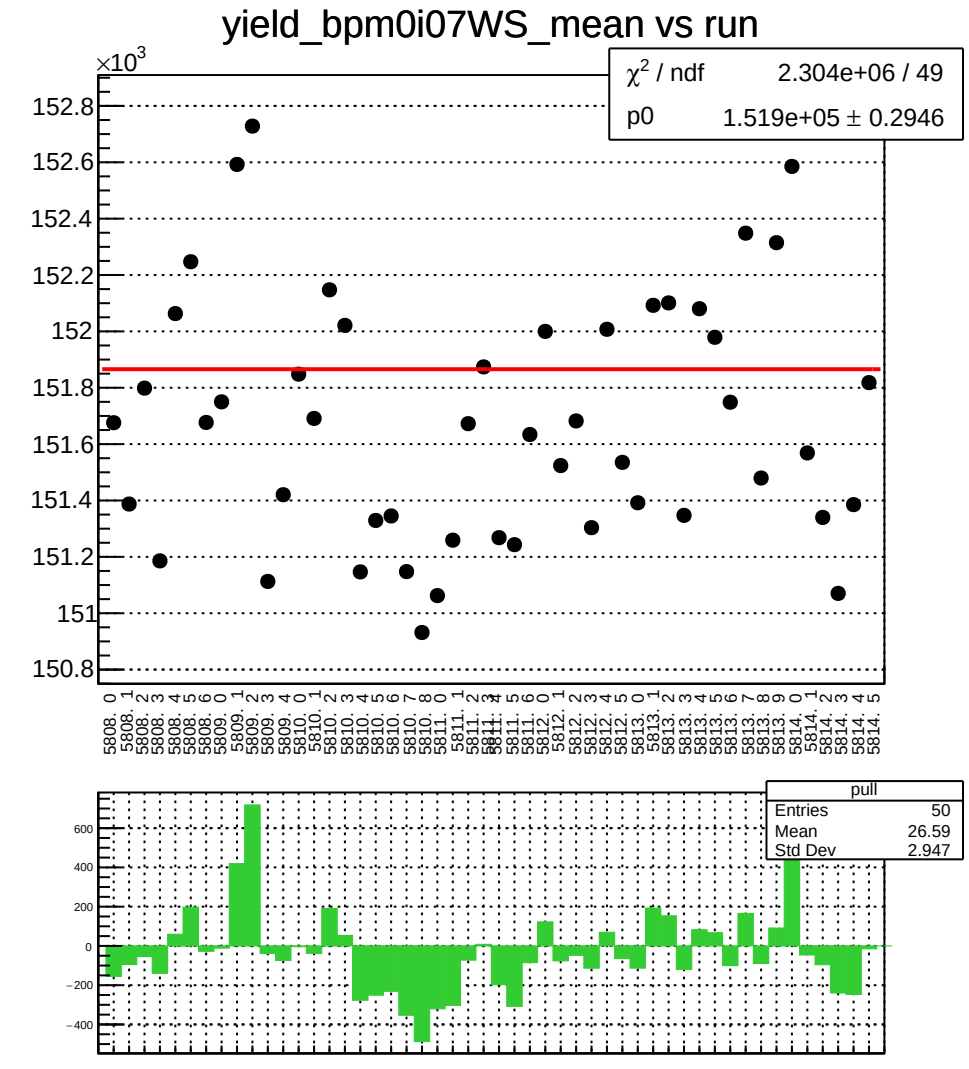

yield_bcm0l02_mean vs run
χ² / ndf 9.178e+07 / 49
p0 180.6 ± 0.001505
195
190
185
180
175
170
165
160
155
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −374.5
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

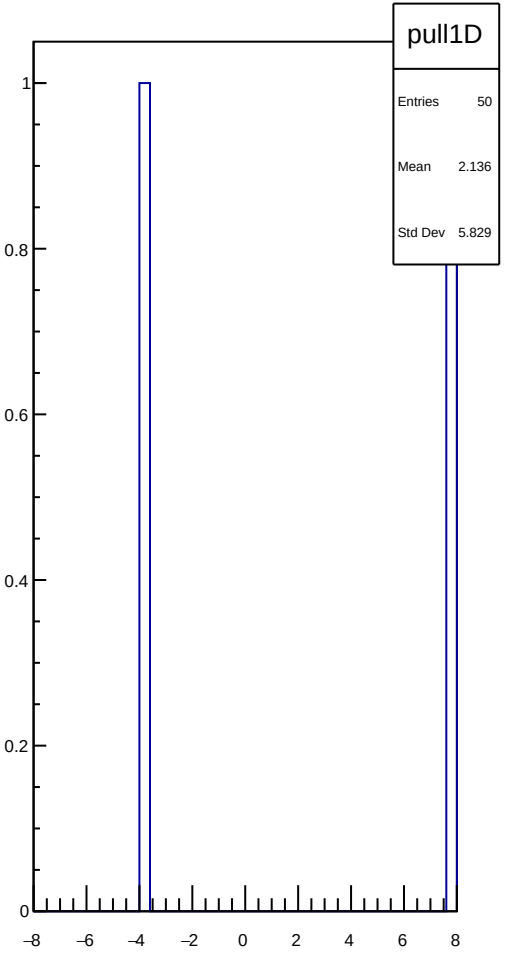

yield_bcm0l02_rms vs run
χ² / ndf 3.257e+05 / 49
p0 0.8425 ± 0.001065
8
7
6
5
4
3
2
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

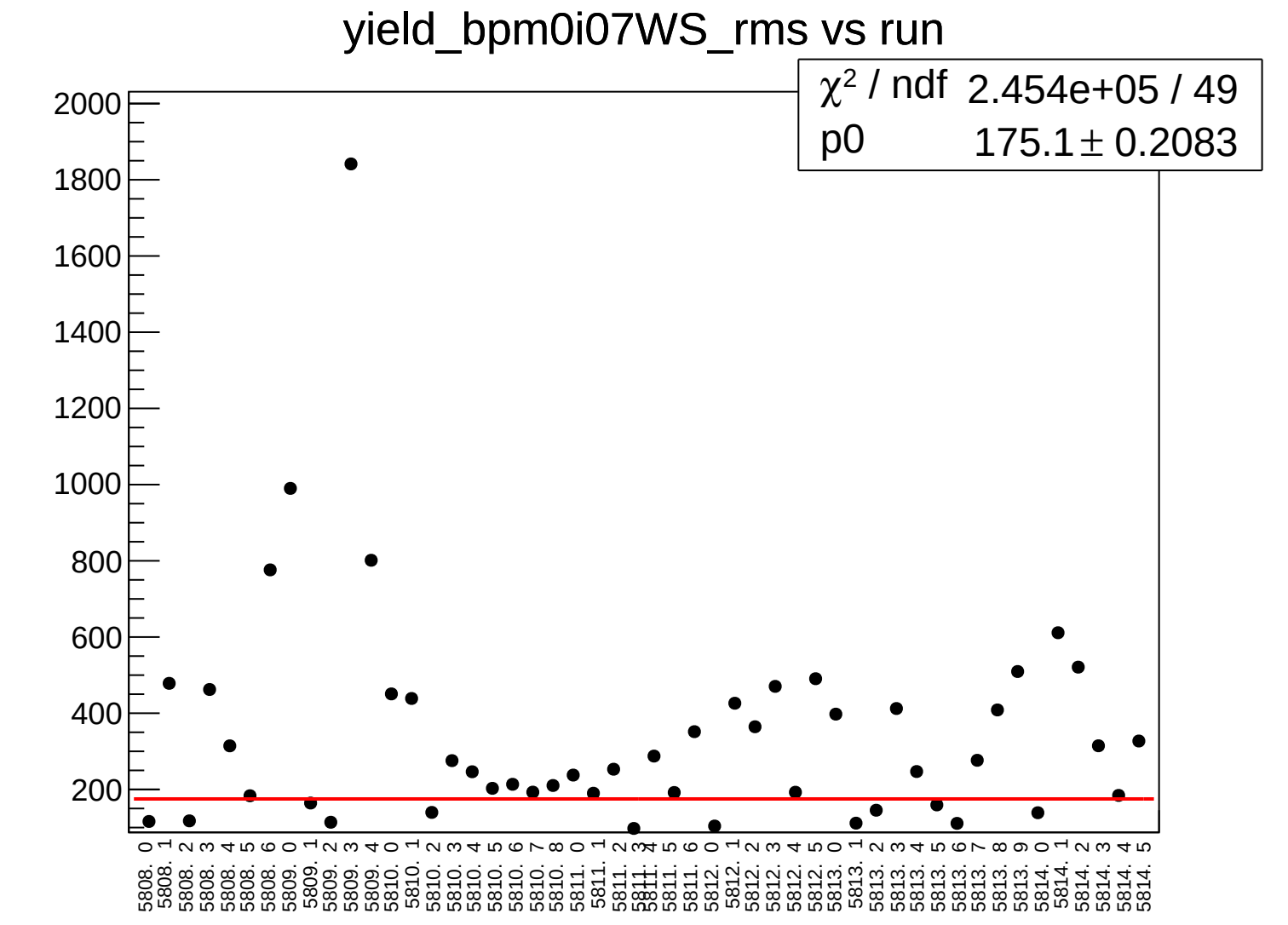

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2.578e+05 / 49
p0 1.503e+05 ± 0.14
150.4
150.2
150
149.8
149.6
pull
Entries 50
Mean −403.2
Std Dev 0
50
0
−50
−100
−150
−200
−250

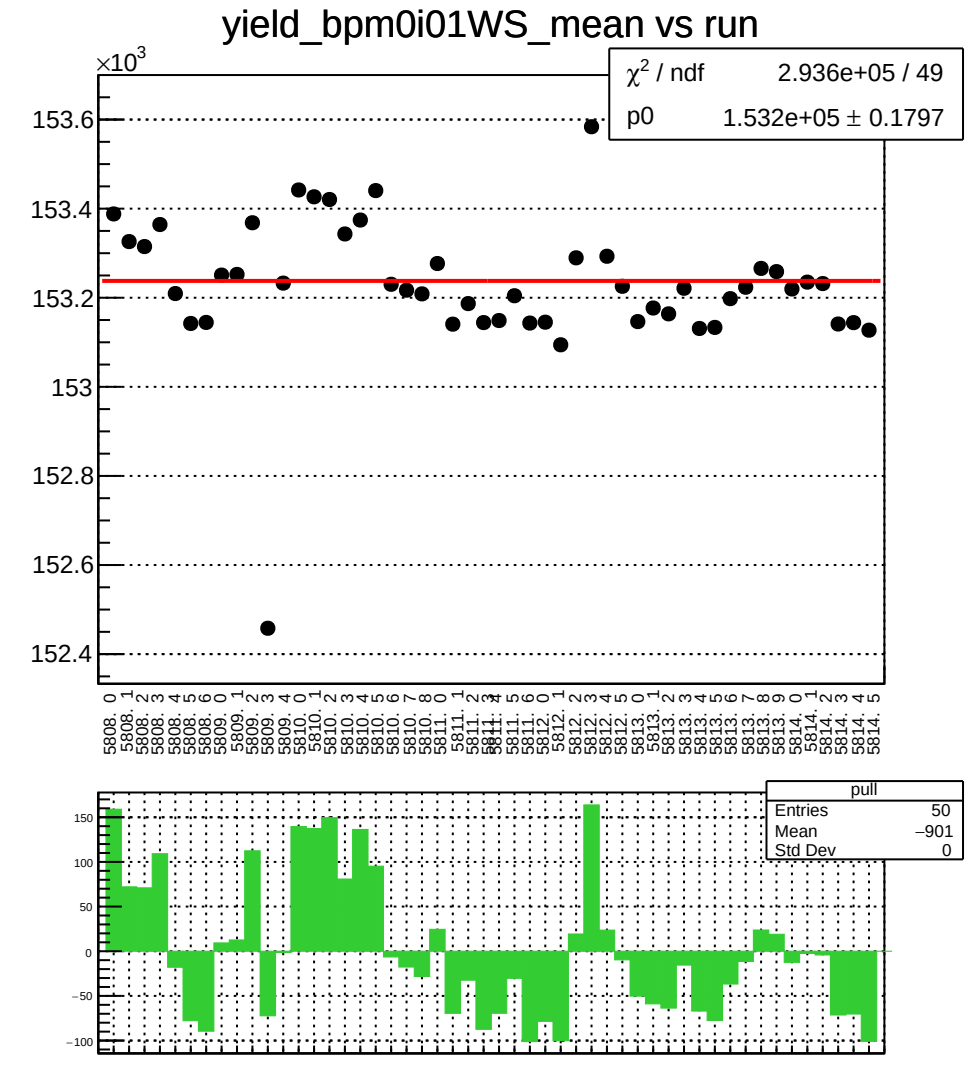

pull1D
Entries 50
Mean 1.533
Std Dev 3.61
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

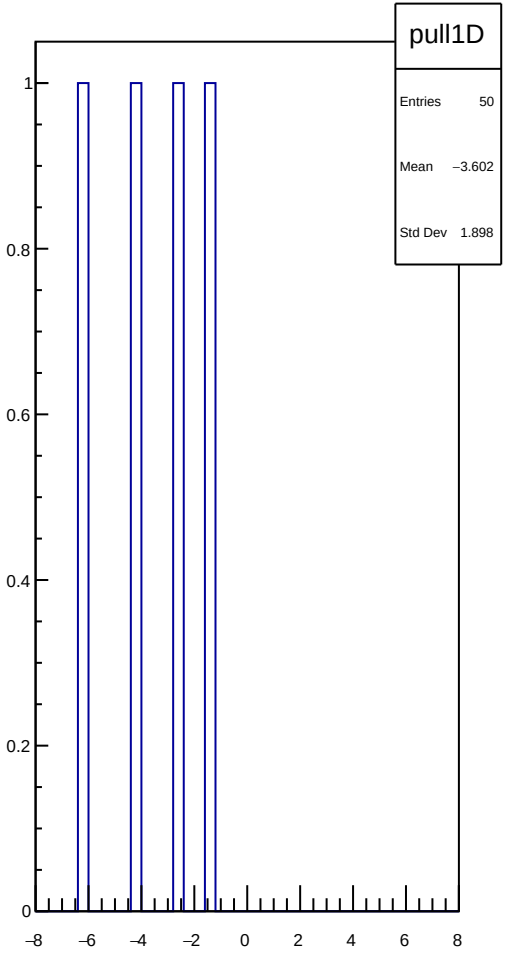

yield_bpm2i01WS_rms vs run
χ² / ndf 7.419e+04 / 49
p0 92.76 ± 0.099
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

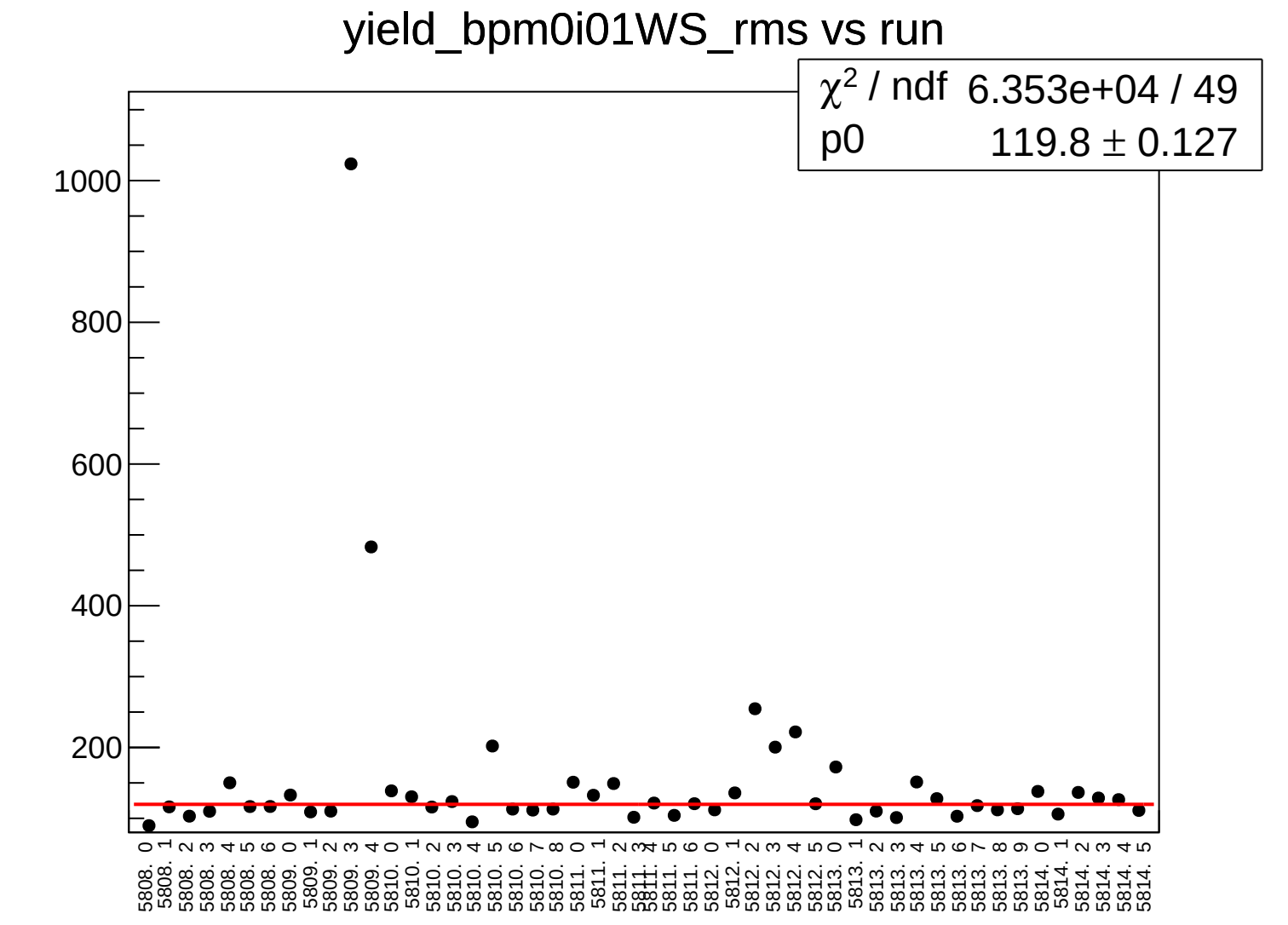

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.304e+06 / 49
p0 1.519e+05 ± 0.2946
152.8
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
151
150.8
pull
Entries 50
Mean 26.59
Std Dev 2.947
600
400
200
0
−200
−400

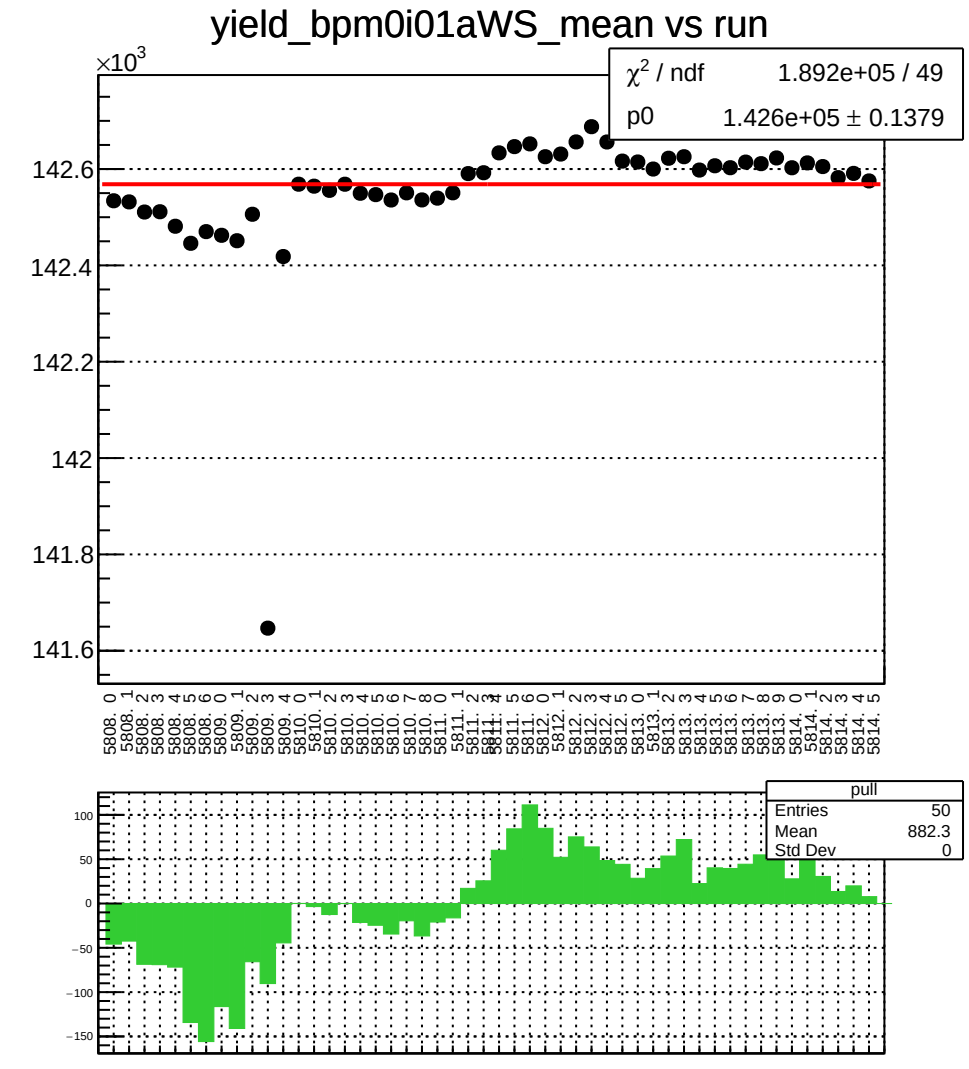

pull1D
Entries 50
Mean 2.136
Std Dev 5.829
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

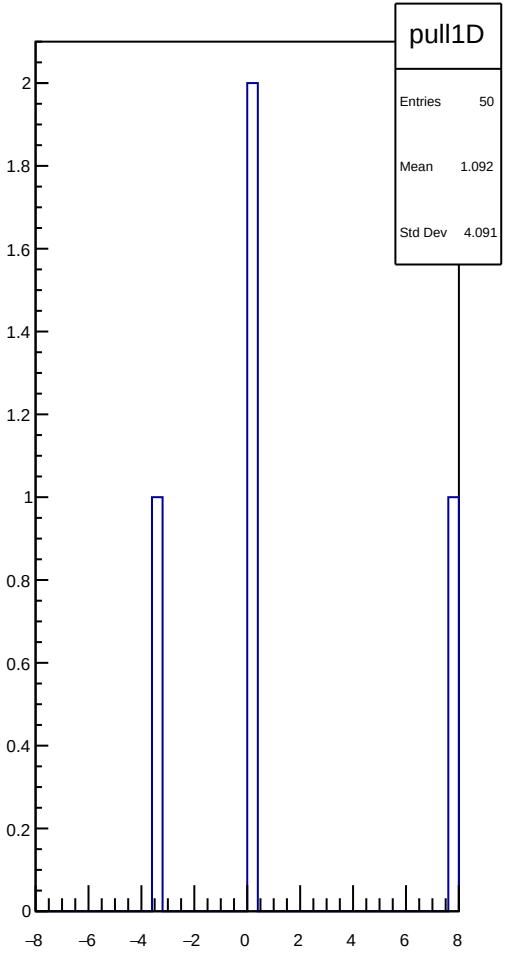

yield_bpm0i07WS_rms vs run
χ² / ndf 2.454e+05 / 49
p0 175.1 ± 0.2083
2000
1800
1600
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

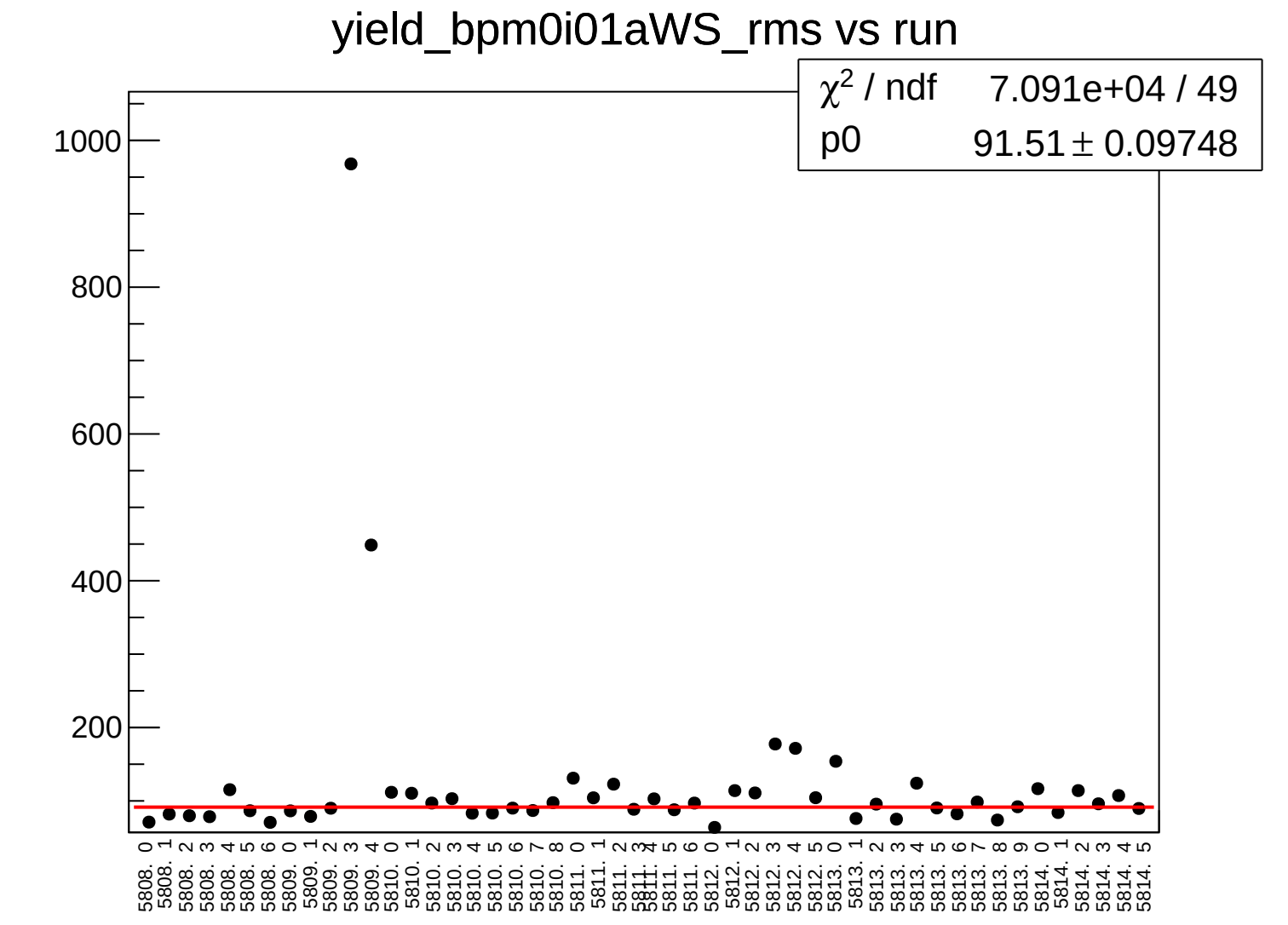

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 2.936e+05 / 49
p0 1.532e+05 ± 0.1797
153.6
153.4
153.2
153
152.8
152.6
152.4
pull
Entries 50
Mean −901
Std Dev 0
150
100
50
0
−50
−100

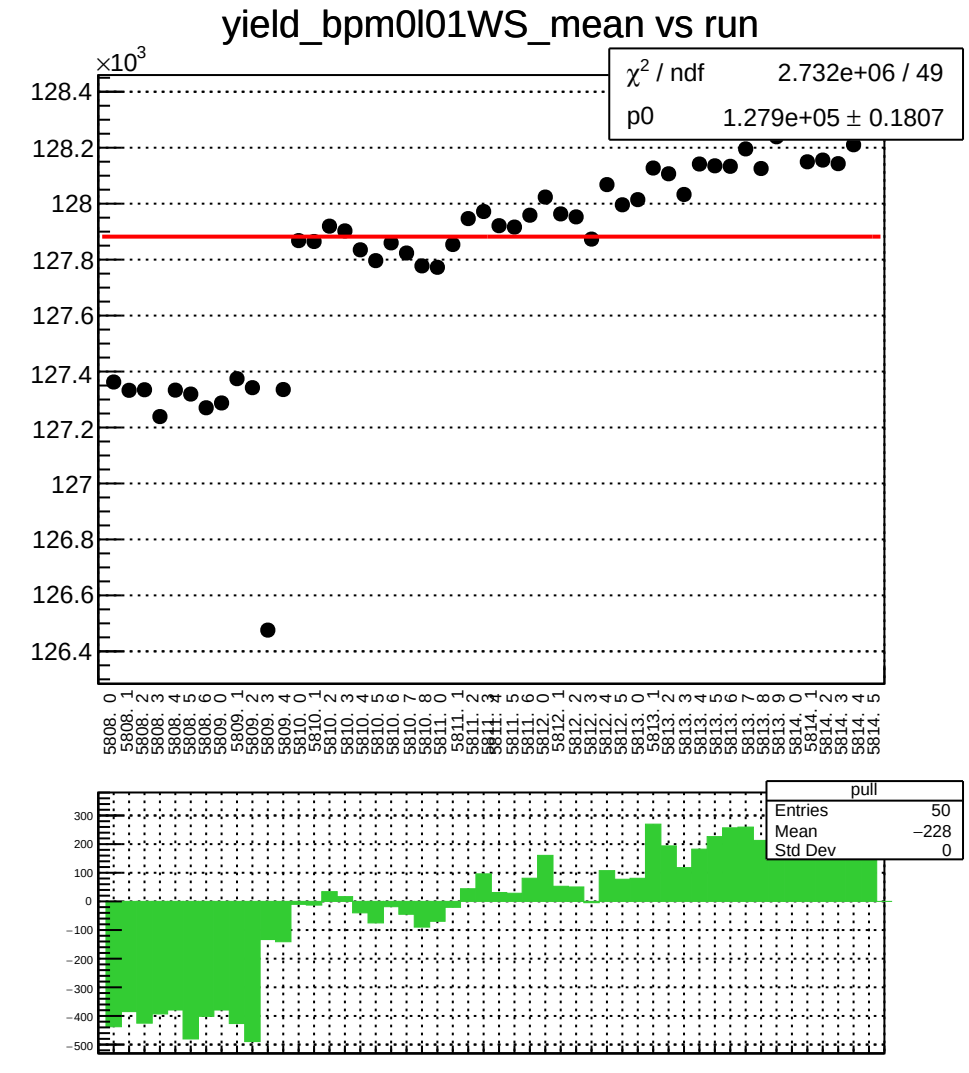

pull1D
Entries 50
Mean −3.602
Std Dev 1.898
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

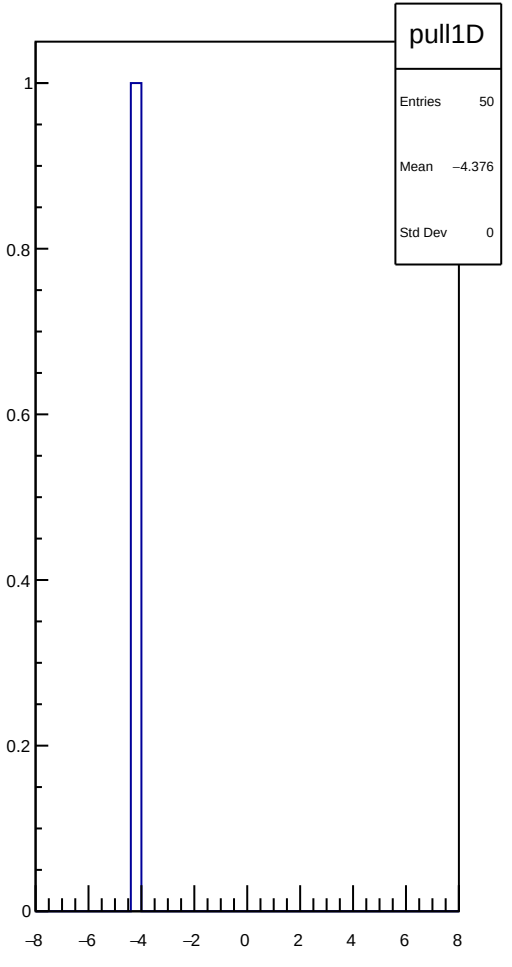

yield_bpm0i01WS_rms vs run
χ² / ndf 6.353e+04 / 49
p0 119.8 ± 0.127
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

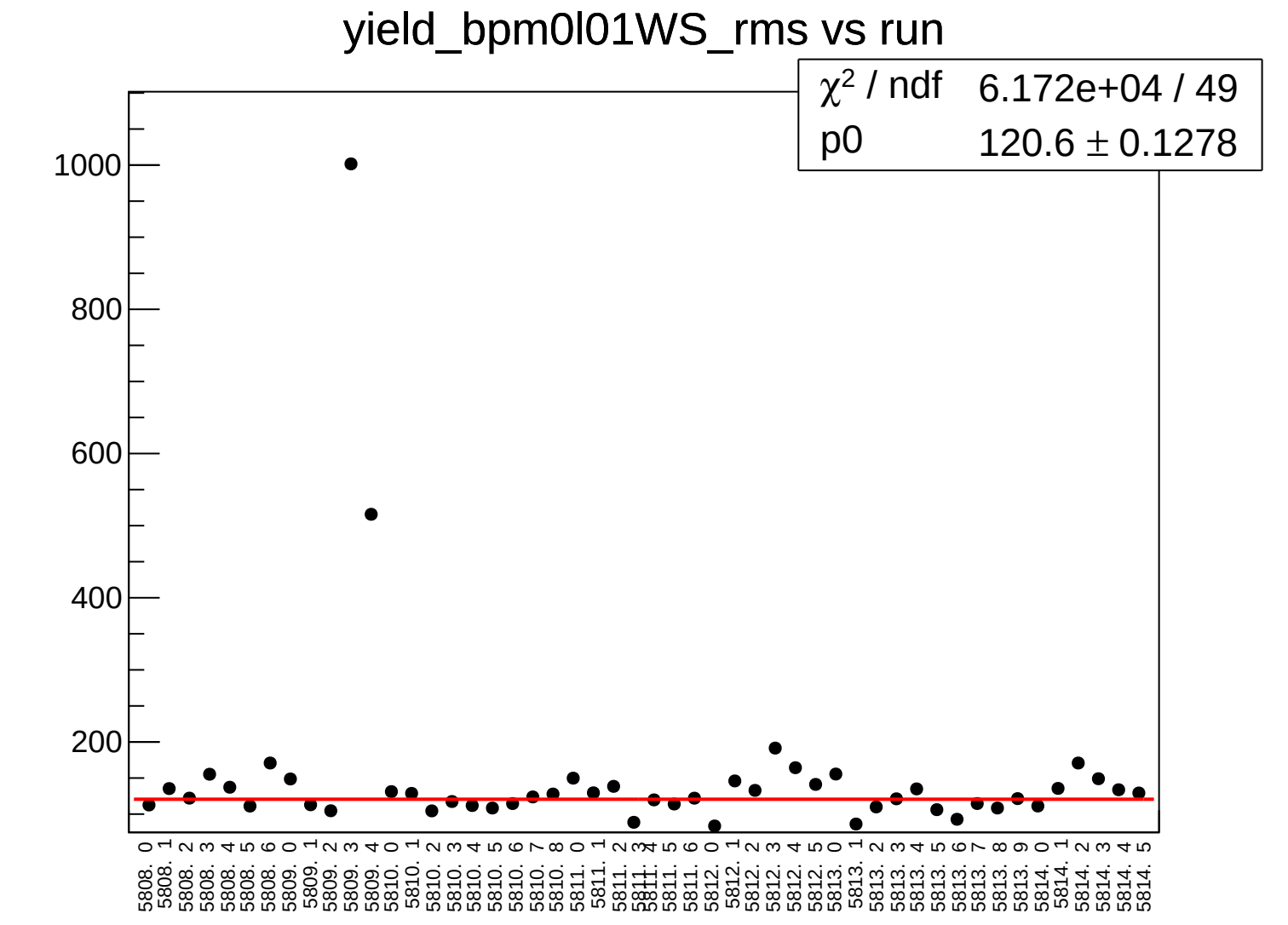

yield_bpm0i01aWS_mean vs run
×10^3
χ² / ndf 1.892e+05 / 49
p0 1.426e+05 ± 0.1379
142.6
142.4
142.2
142
141.8
141.6
pull
Entries 50
Mean 882.3
Std Dev 0
100
50
0
−50
−100
−150

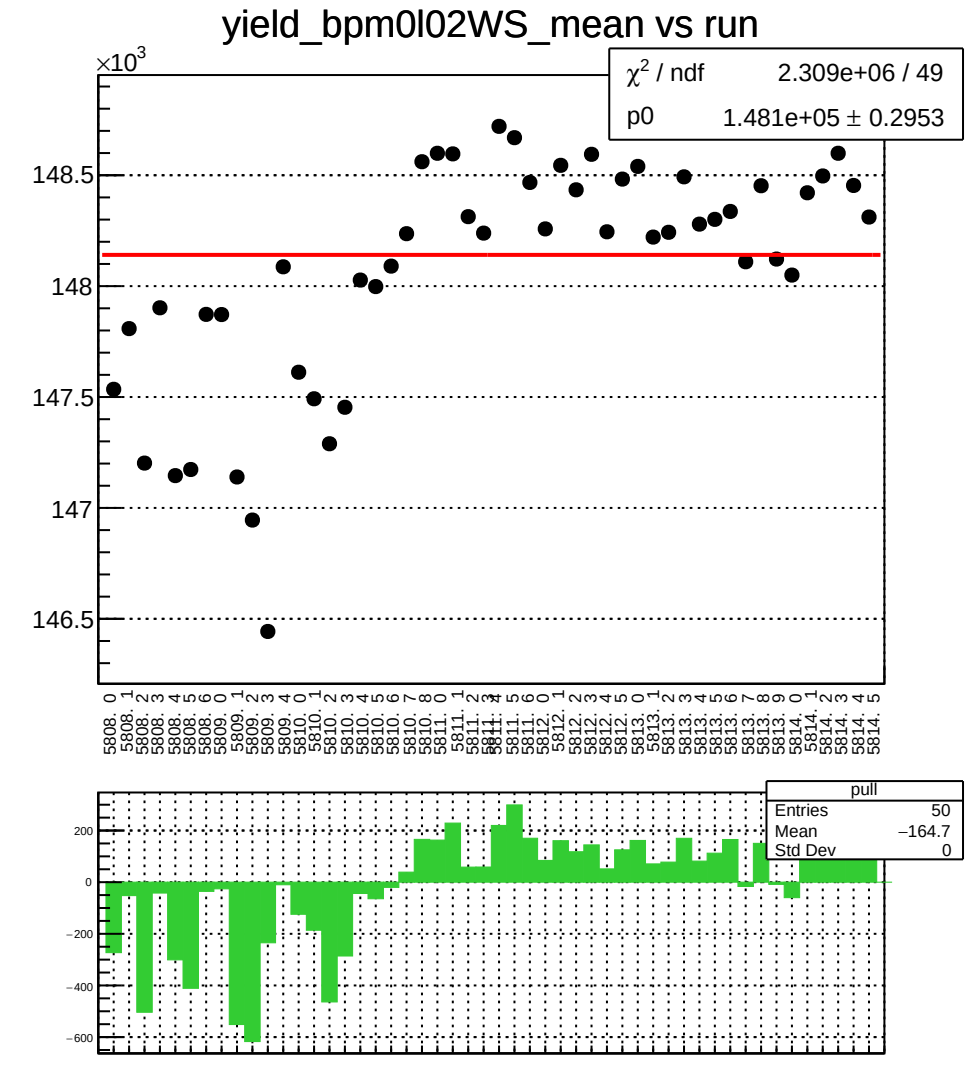

pull1D
Entries 50
Mean 1.092
Std Dev 4.091
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

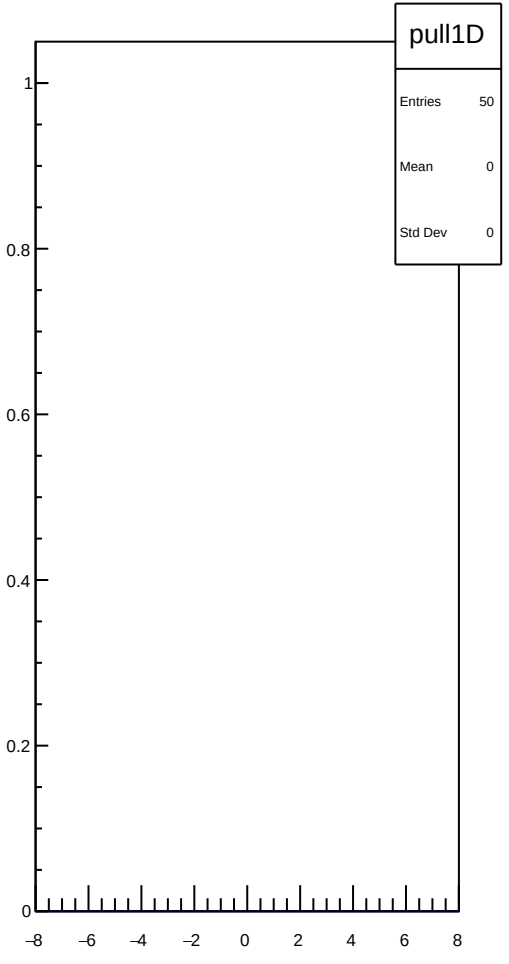

yield_bpm0i01aWS_rms vs run
χ² / ndf 7.091e+04 / 49
p0 91.51 ± 0.09748
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

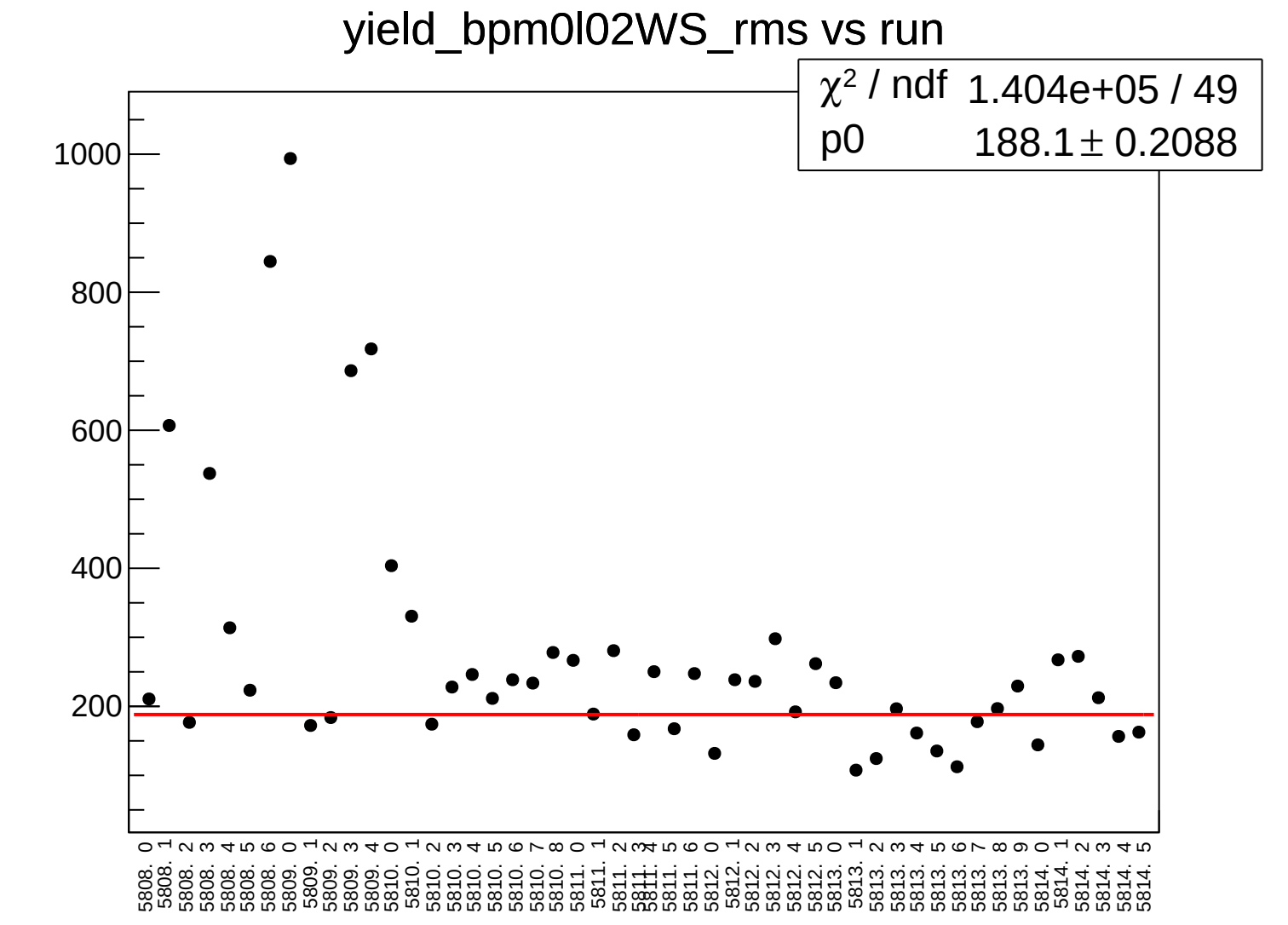

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 2.732e+06 / 49
p0 1.279e+05 ± 0.1807
128.4
128.2
128
127.8
127.6
127.4
127.2
127
126.8
126.6
126.4
pull
Entries 50
Mean −228
Std Dev 0
300
200
100
0
−100
−200
−300
−400
−500

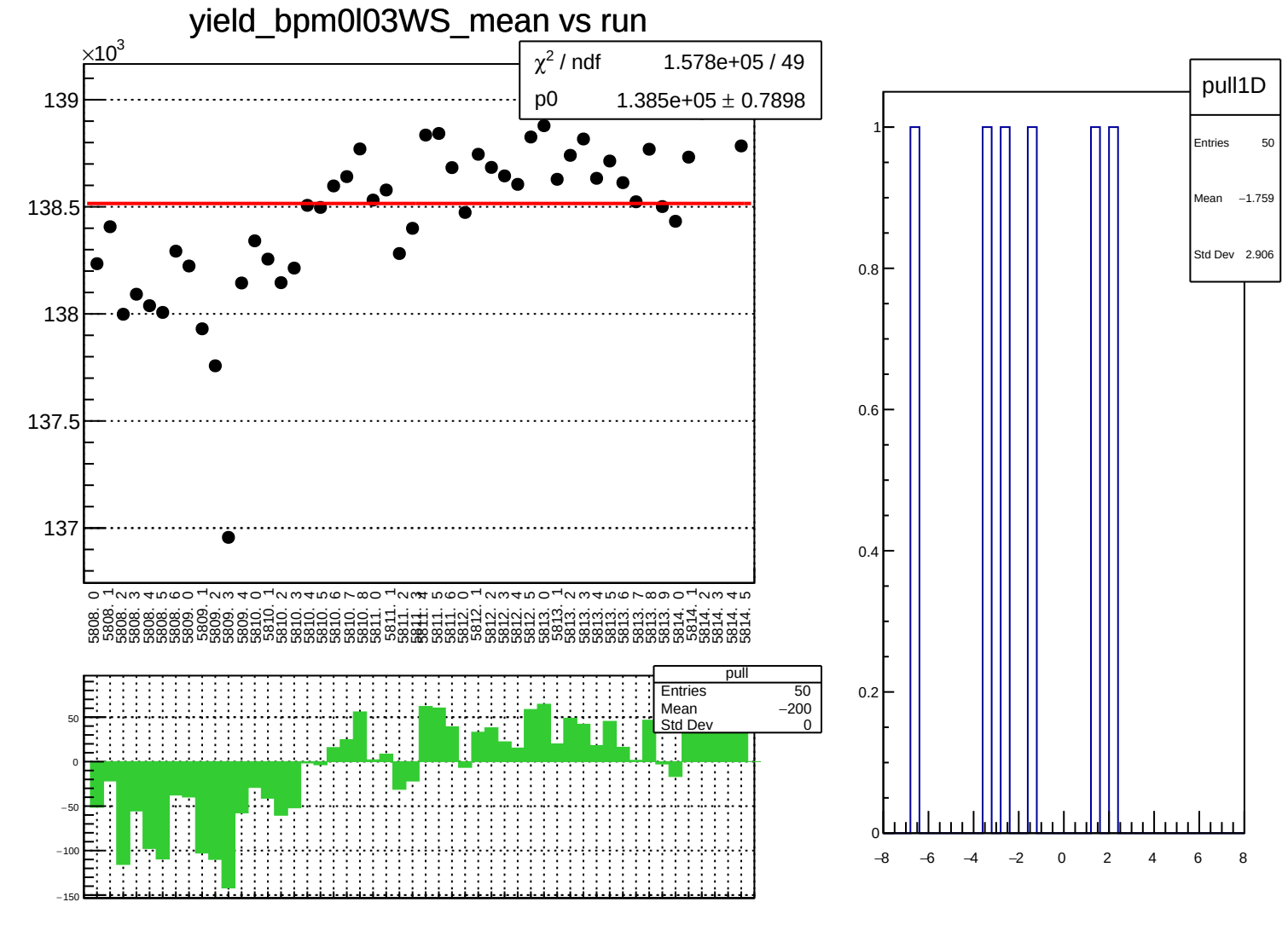

pull1D
Entries 50
Mean −4.376
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

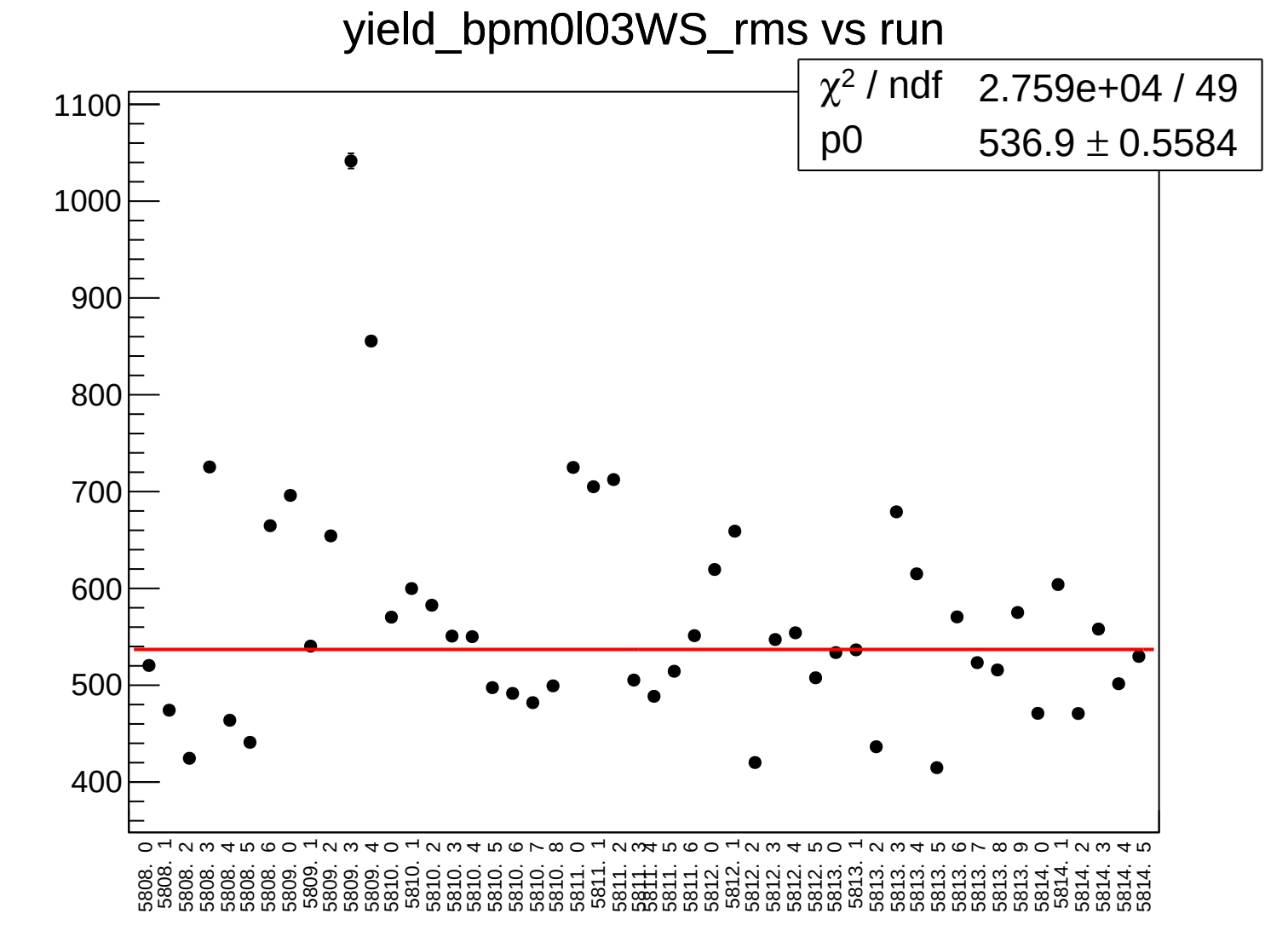

yield_bpm0l01WS_rms vs run
χ² / ndf 6.172e+04 / 49
p0 120.6 ± 0.1278
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

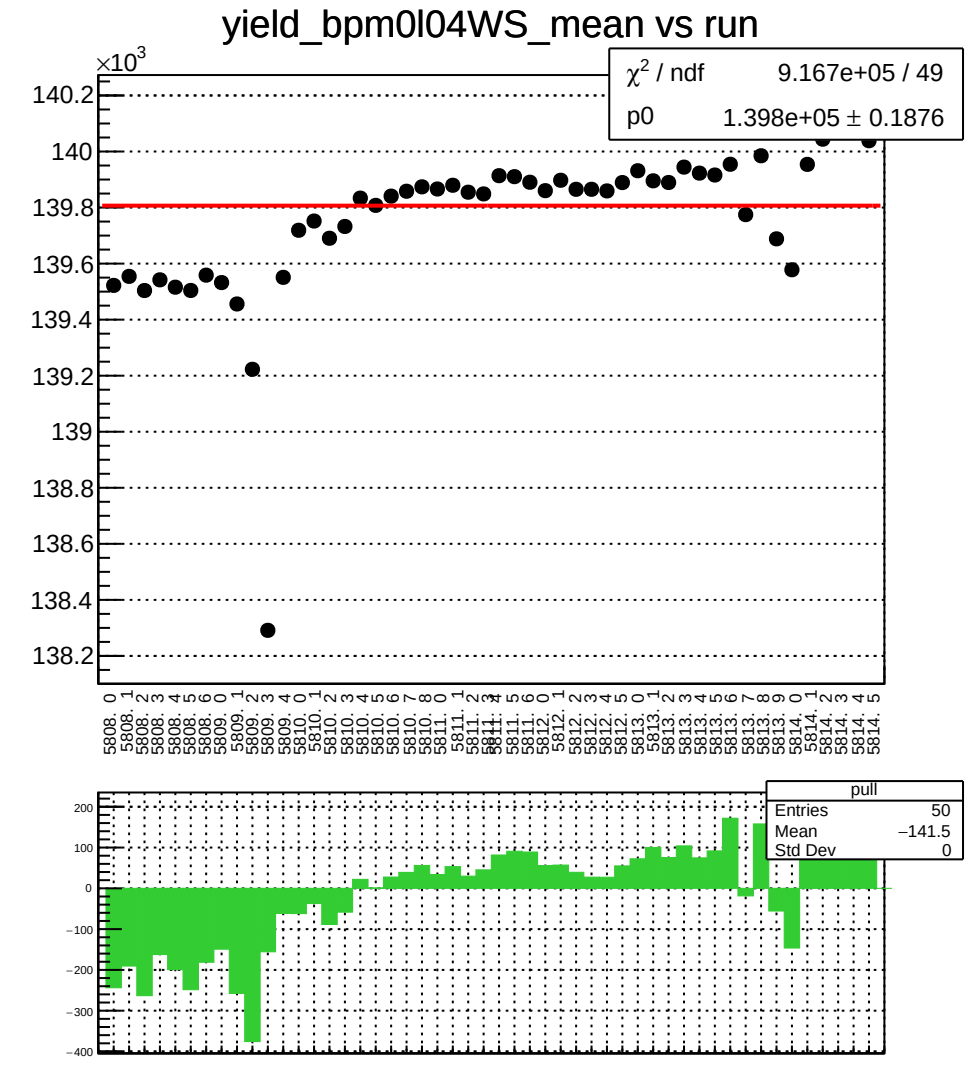

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 2.309e+06 / 49
p0 1.481e+05 ± 0.2953
148.5
148
147.5
147
146.5
pull
Entries 50
Mean −164.7
Std Dev 0
200
0
−200
−400
−600

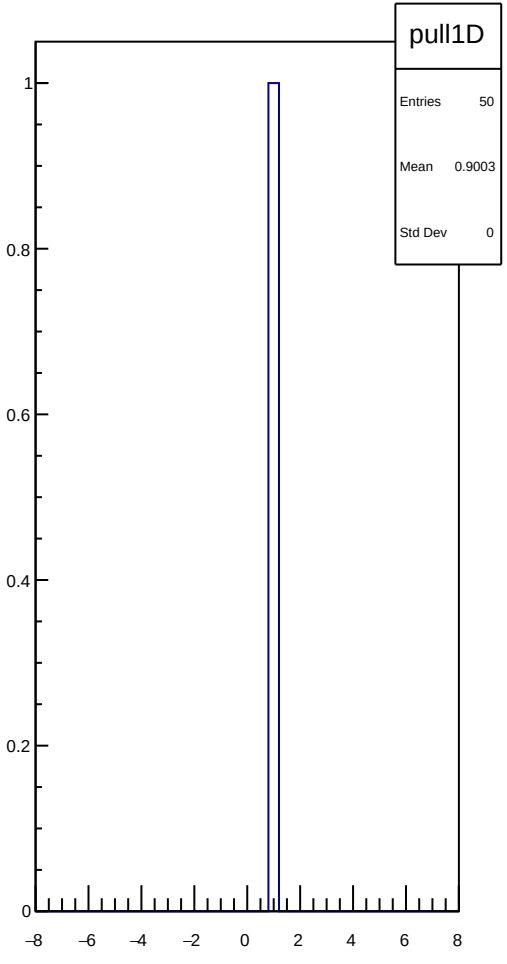

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

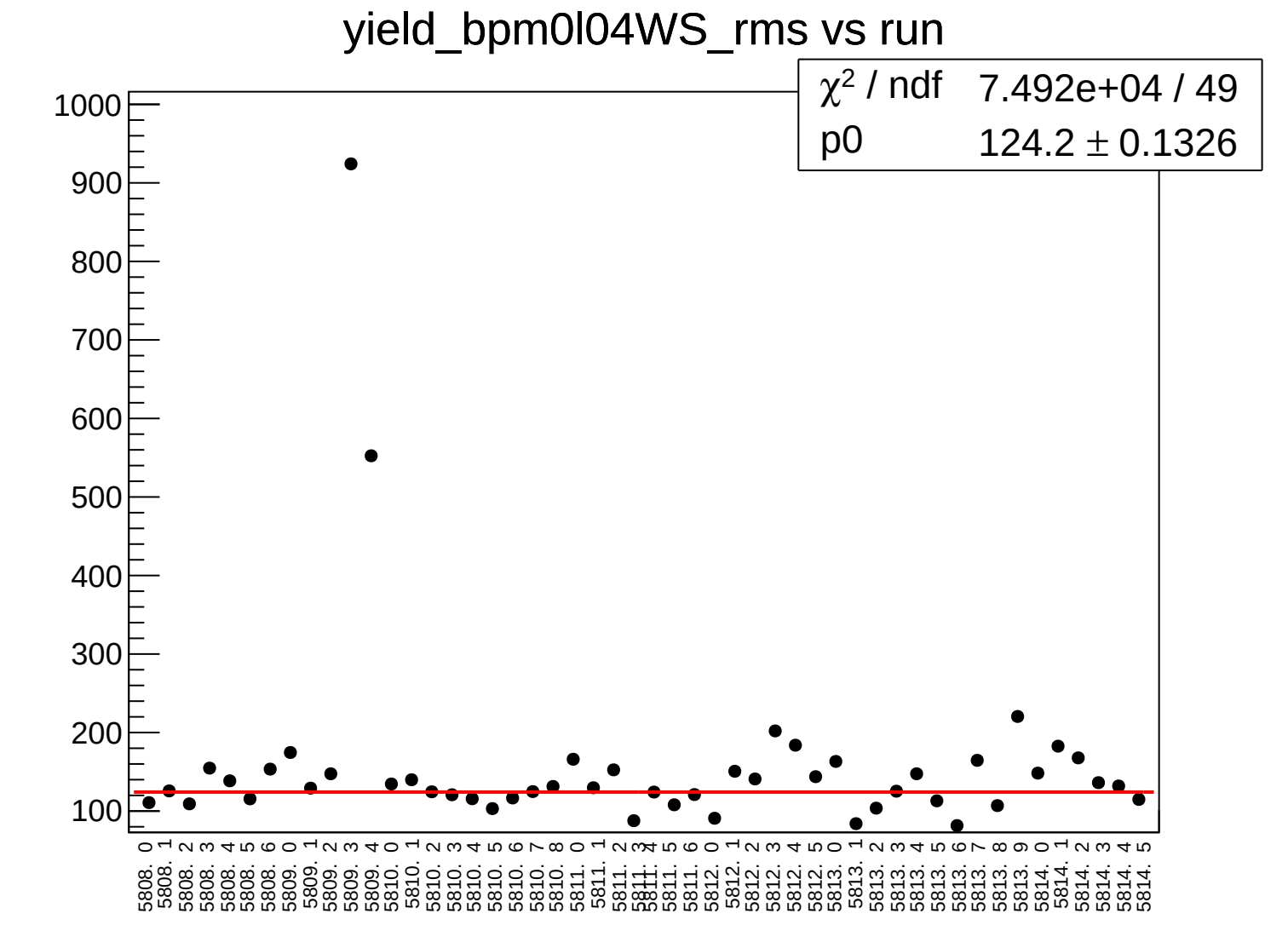

yield_bpm0l02WS_rms vs run
χ² / ndf 1.404e+05 / 49
p0 188.1 ± 0.2088
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

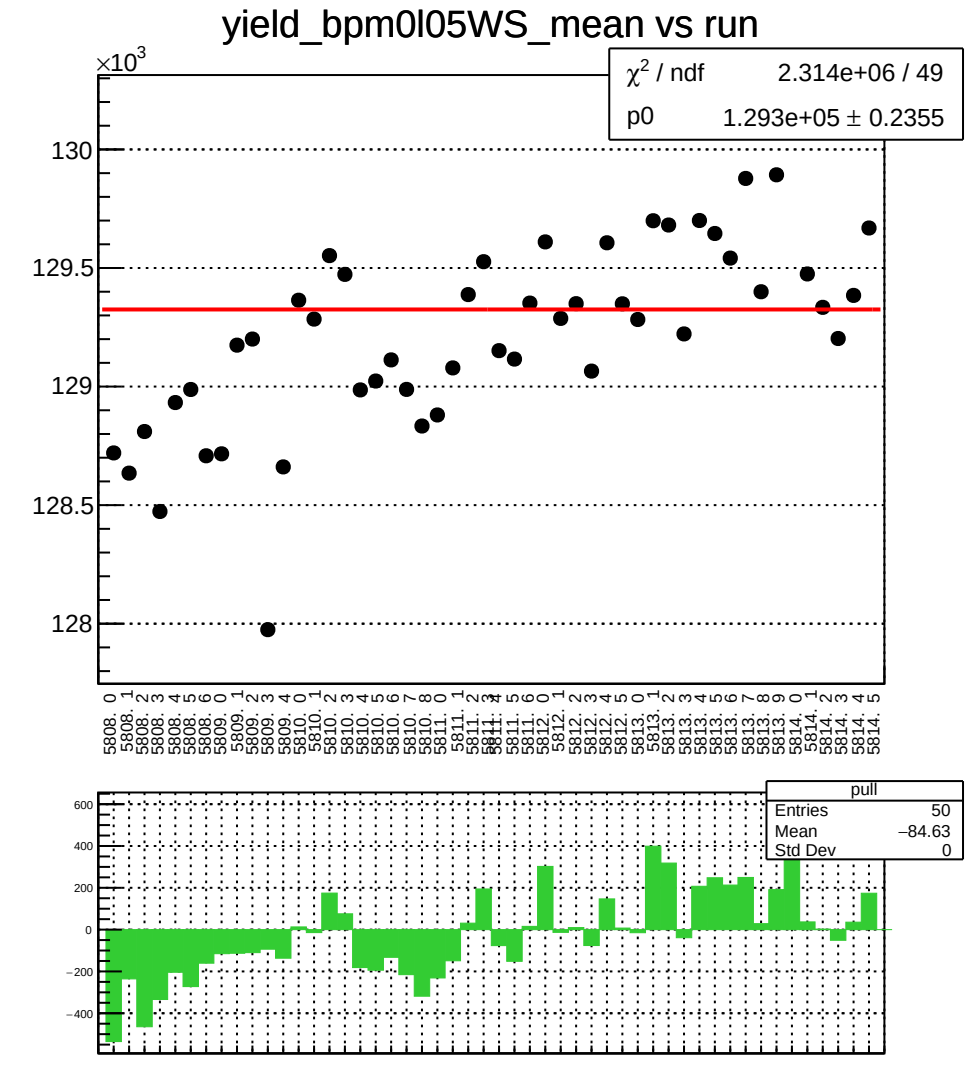

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 1.578e+05 / 49
p0 1.385e+05 ± 0.7898
139
138.5
138
137.5
137
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −200
Std Dev 0
50
0
−50
−100
−150
pull1D
Entries 50
Mean −1.759
Std Dev 2.906
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

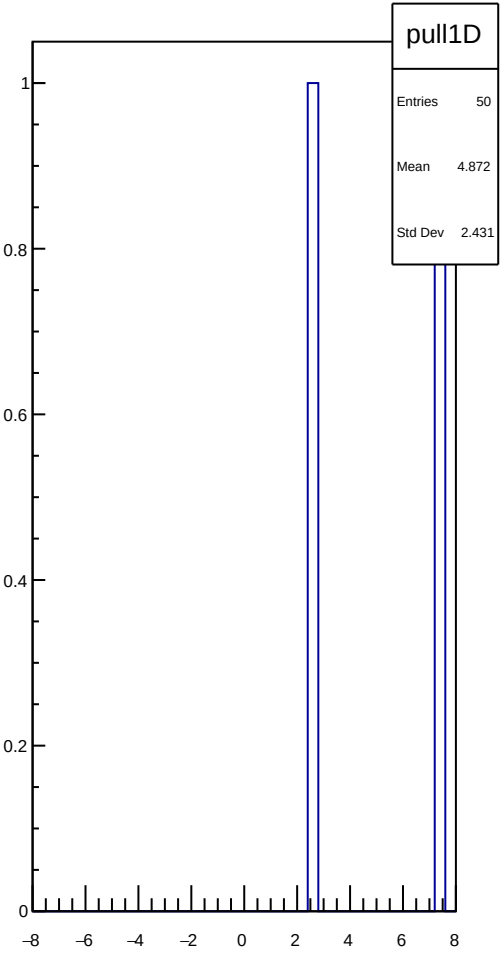

yield_bpm0l03WS_rms vs run
χ² / ndf 2.759e+04 / 49
p0 536.9 ± 0.5584
1100
1000
900
800
700
600
500
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

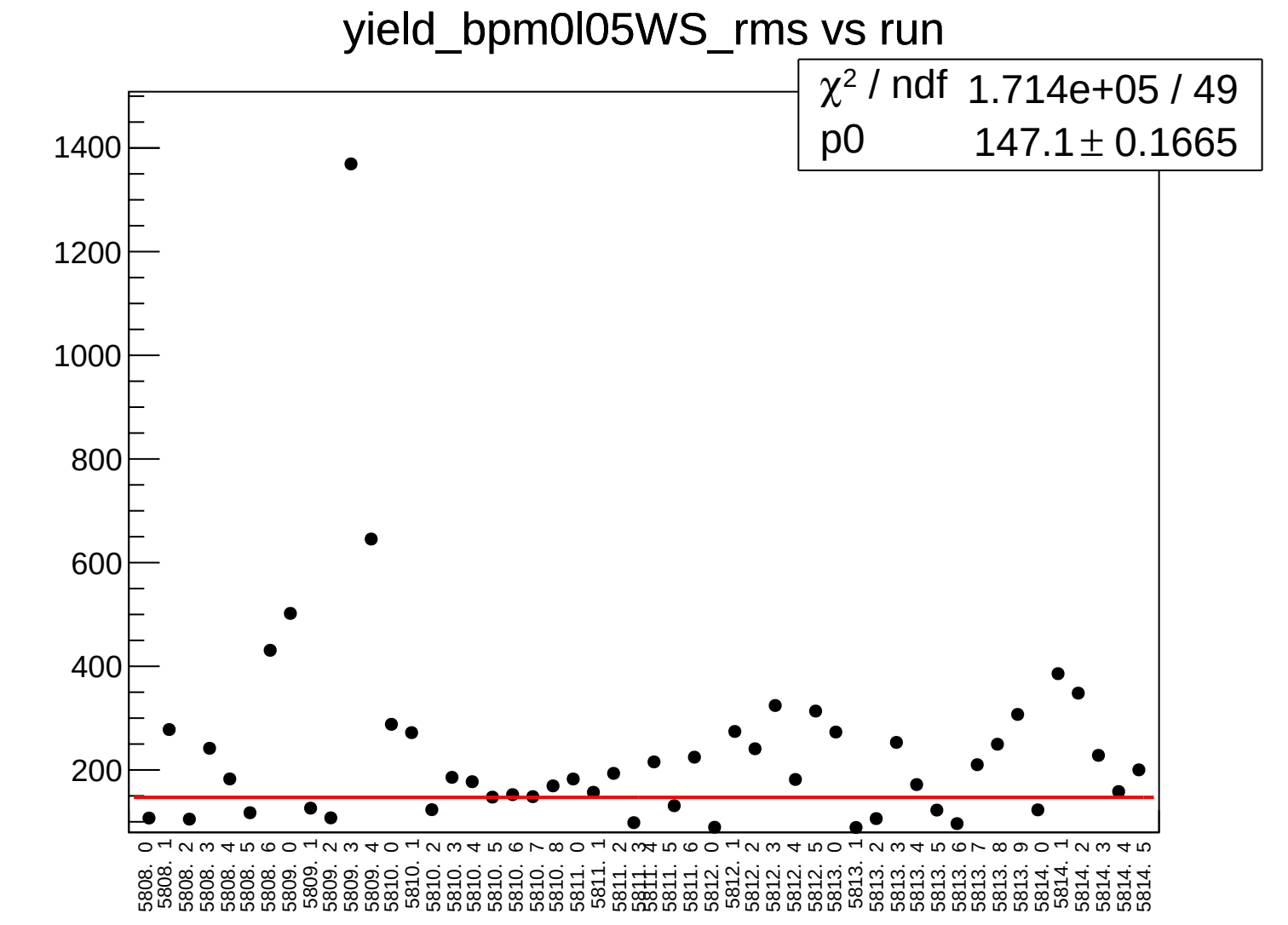

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 9.167e+05 / 49
p0 1.398e+05 ± 0.1876
140.2
140
139.8
139.6
139.4
139.2
139
138.8
138.6
138.4
138.2
pull
Entries 50
Mean −141.5
Std Dev 0
200
100
0
−100
−200
−300
−400

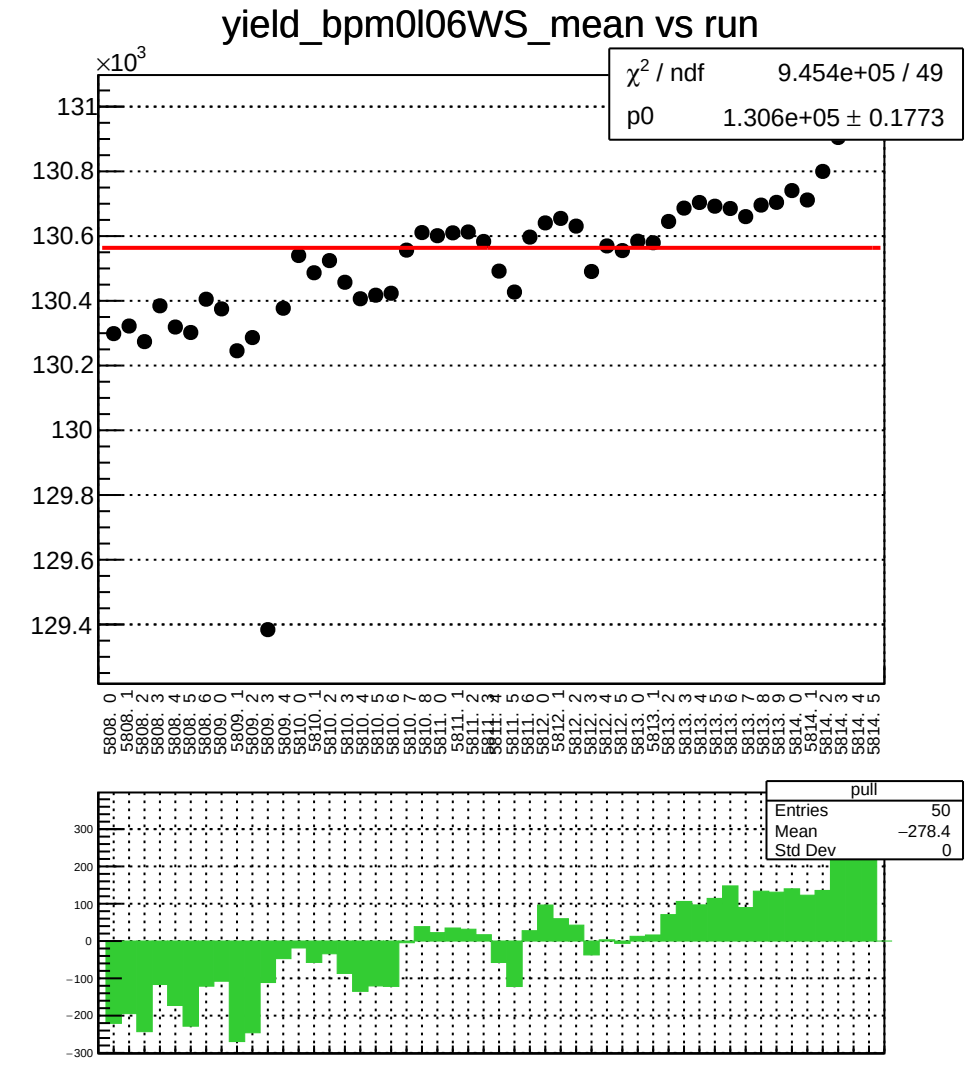

pull1D
Entries 50
Mean 0.9003
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

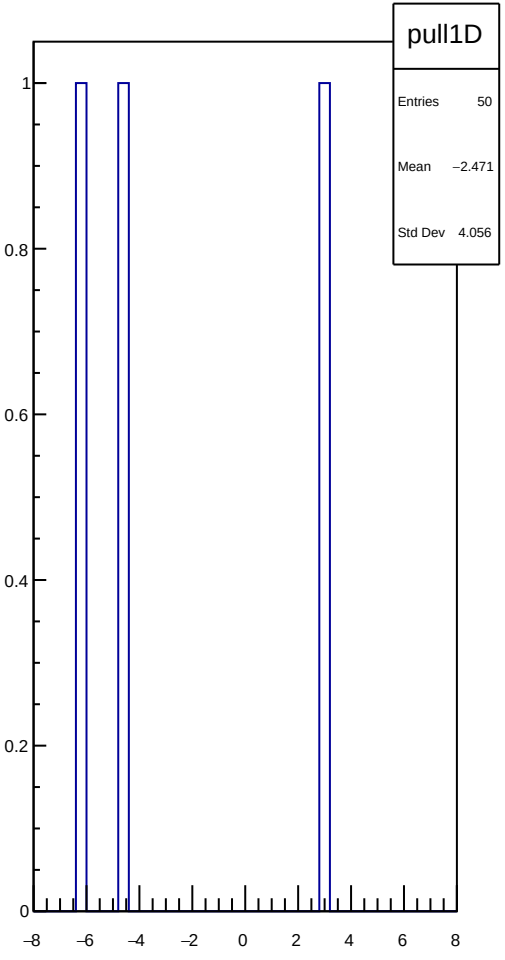

yield_bpm0l04WS_rms vs run
χ² / ndf 7.492e+04 / 49
p0 124.2 ± 0.1326
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

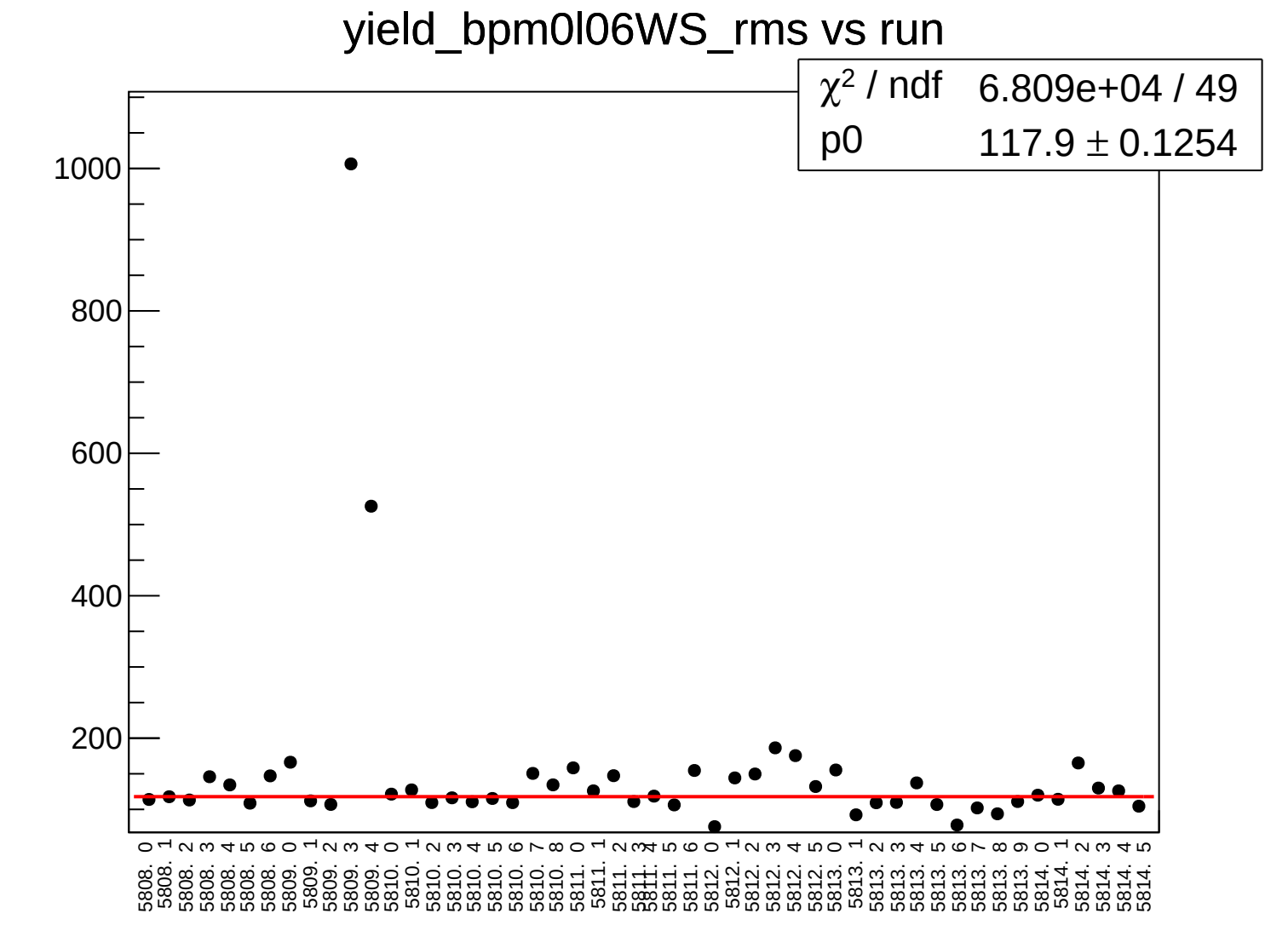

yield_bpm0l05WS_mean vs run
×10^3
χ² / ndf 2.314e+06 / 49
p0 1.293e+05 ± 0.2355
130
129.5
129
128.5
128
pull
Entries 50
Mean −84.63
Std Dev 0
600
400
200
0
−200
−400

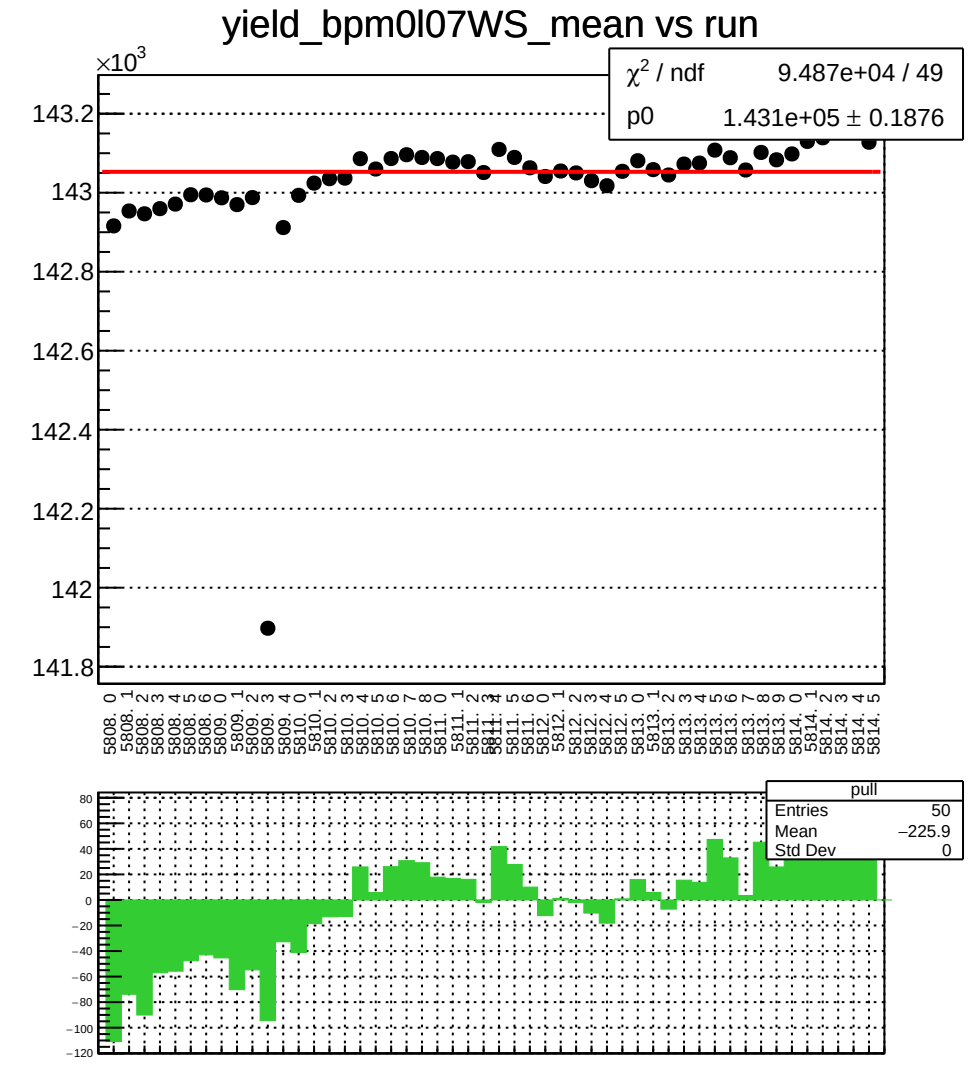

pull1D
Entries 50
Mean 4.872
Std Dev 2.431
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

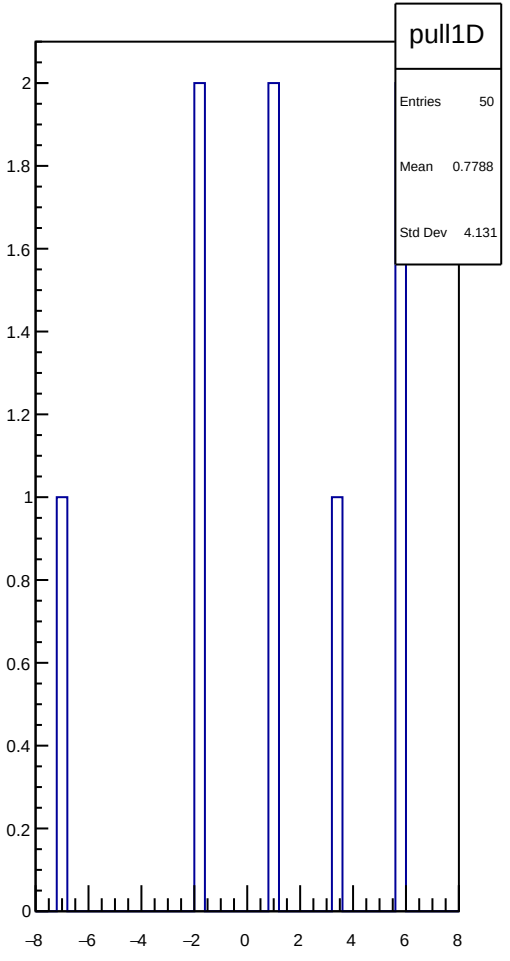

yield_bpm0l05WS_rms vs run
χ² / ndf 1.714e+05 / 49
p0 147.1 ± 0.1665
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

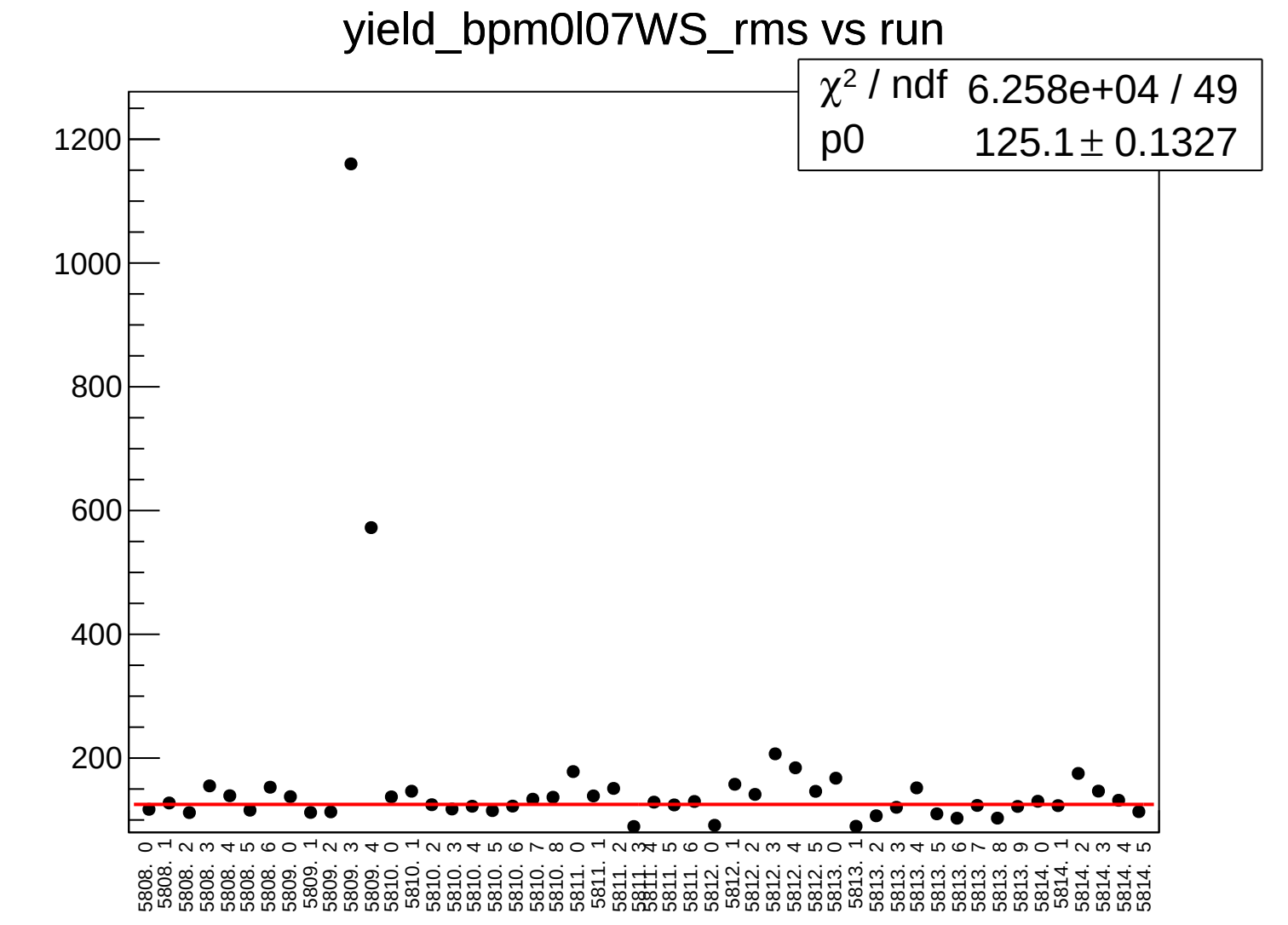

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 9.454e+05 / 49
p0 1.306e+05 ± 0.1773
131
130.8
130.6
130.4
130.2
130
129.8
129.6
129.4
pull
Entries 50
Mean −278.4
Std Dev 0
300
200
100
0
−100
−200
−300

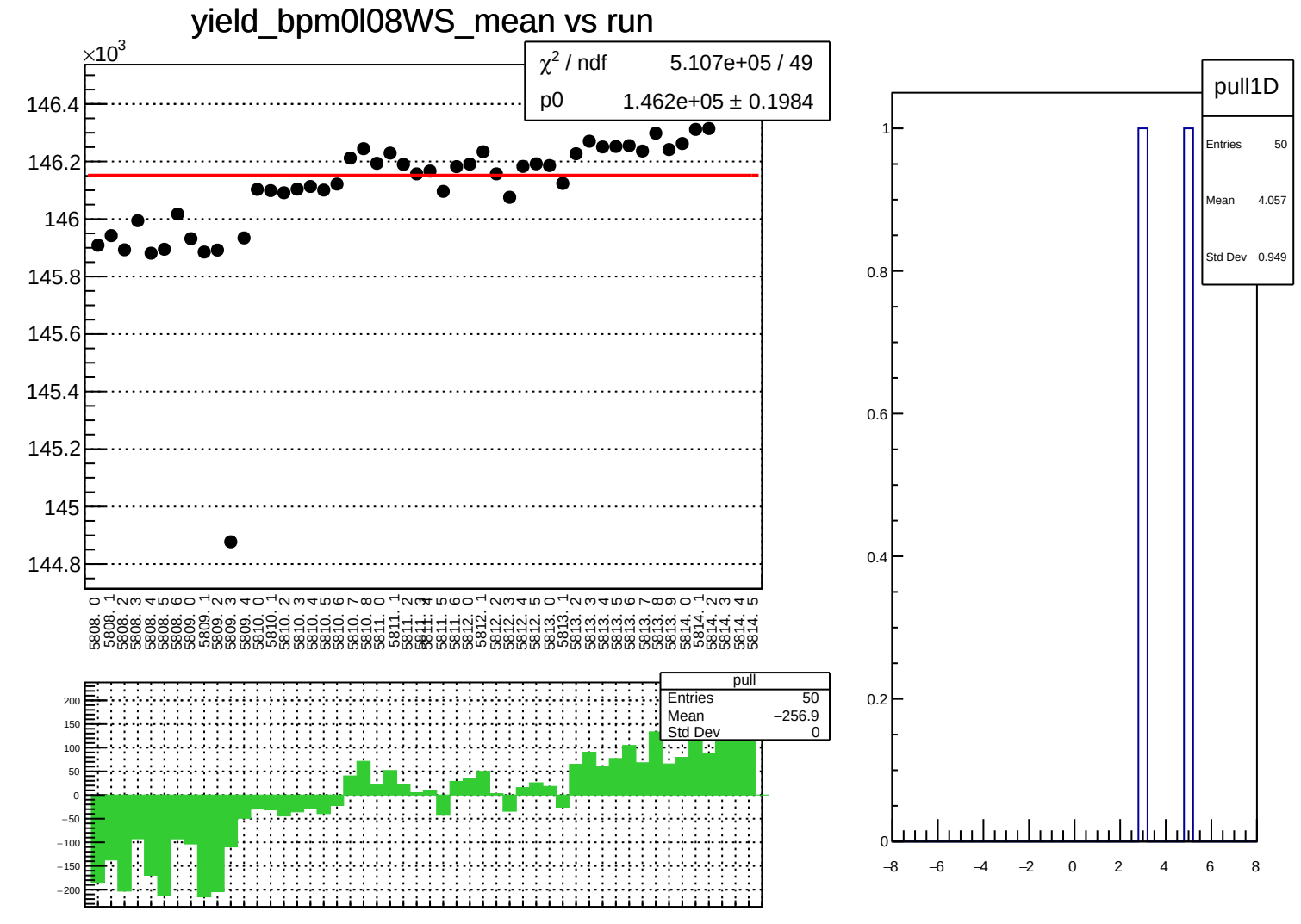

pull1D
Entries 50
Mean −2.471
Std Dev 4.056
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

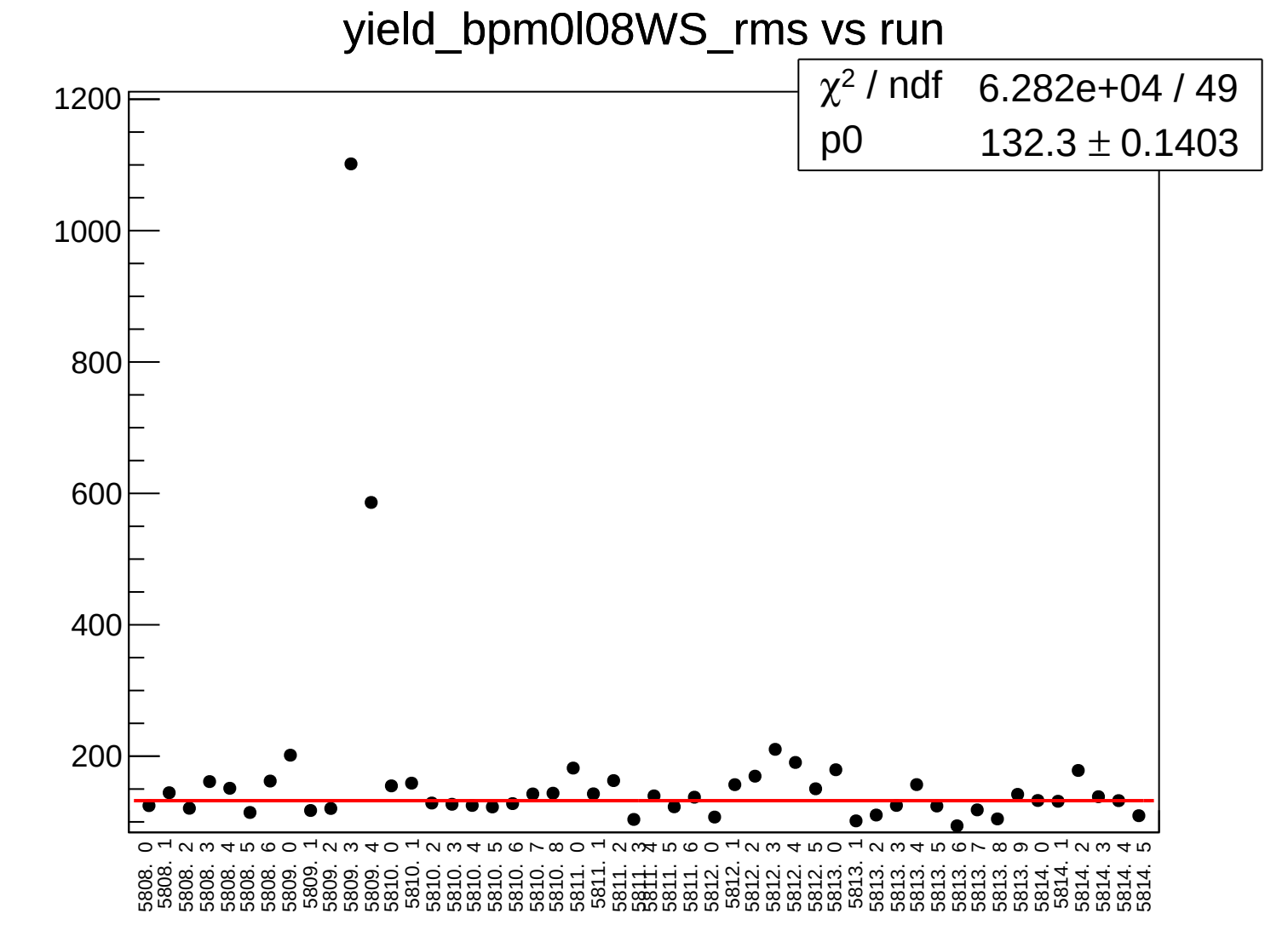

yield_bpm0l06WS_rms vs run
χ² / ndf 6.809e+04 / 49
p0 117.9 ± 0.1254
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

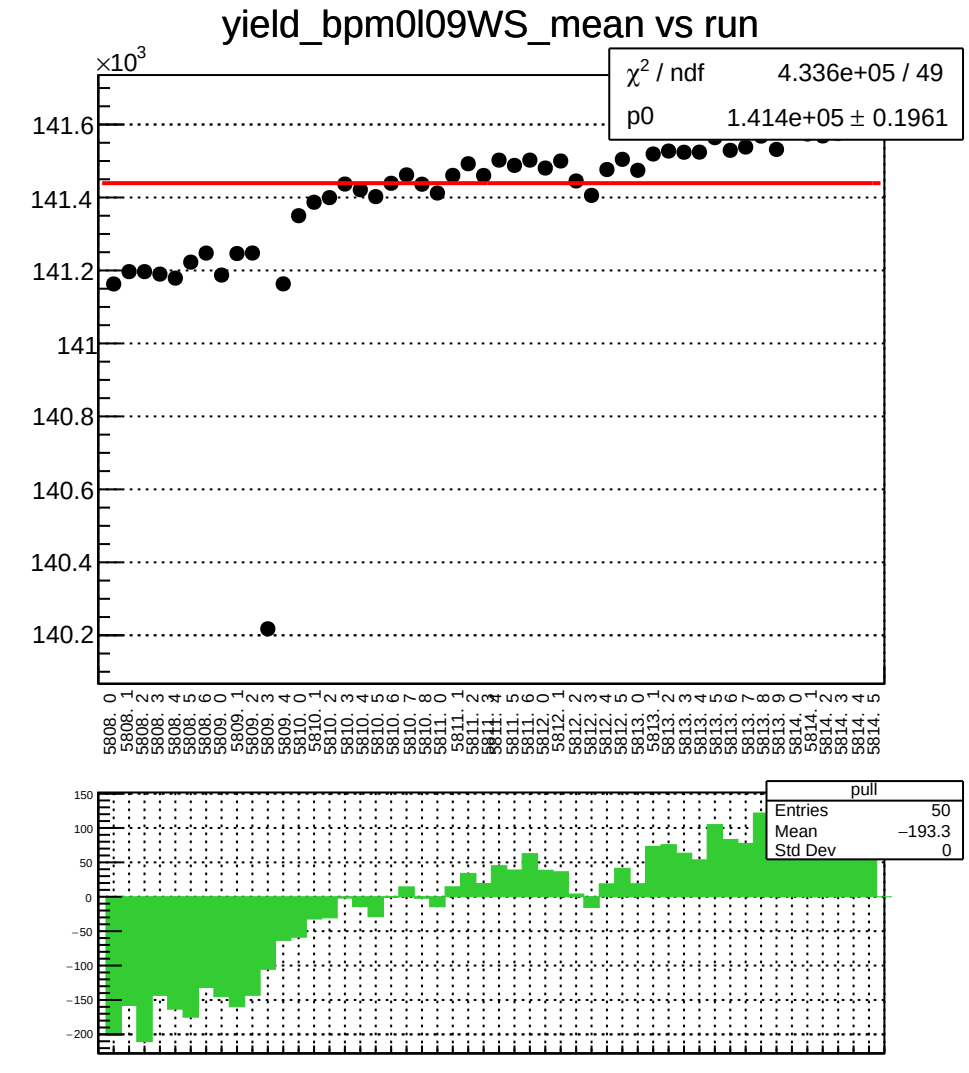

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 9.487e+04 / 49
p0 1.431e+05 ± 0.1876
143.2
143
142.8
142.6
142.4
142.2
142
141.8
pull
Entries 50
Mean −225.9
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120

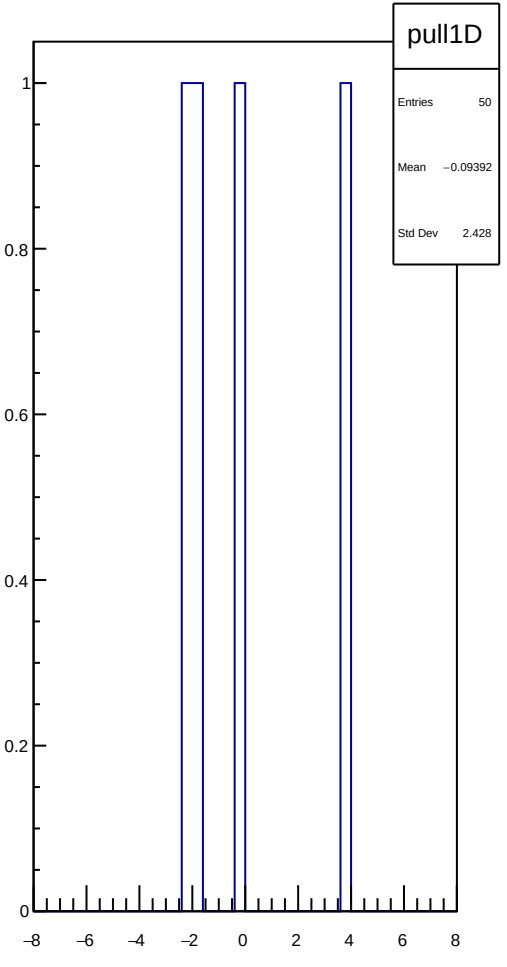

pull1D
Entries 50
Mean 0.7788
Std Dev 4.131
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

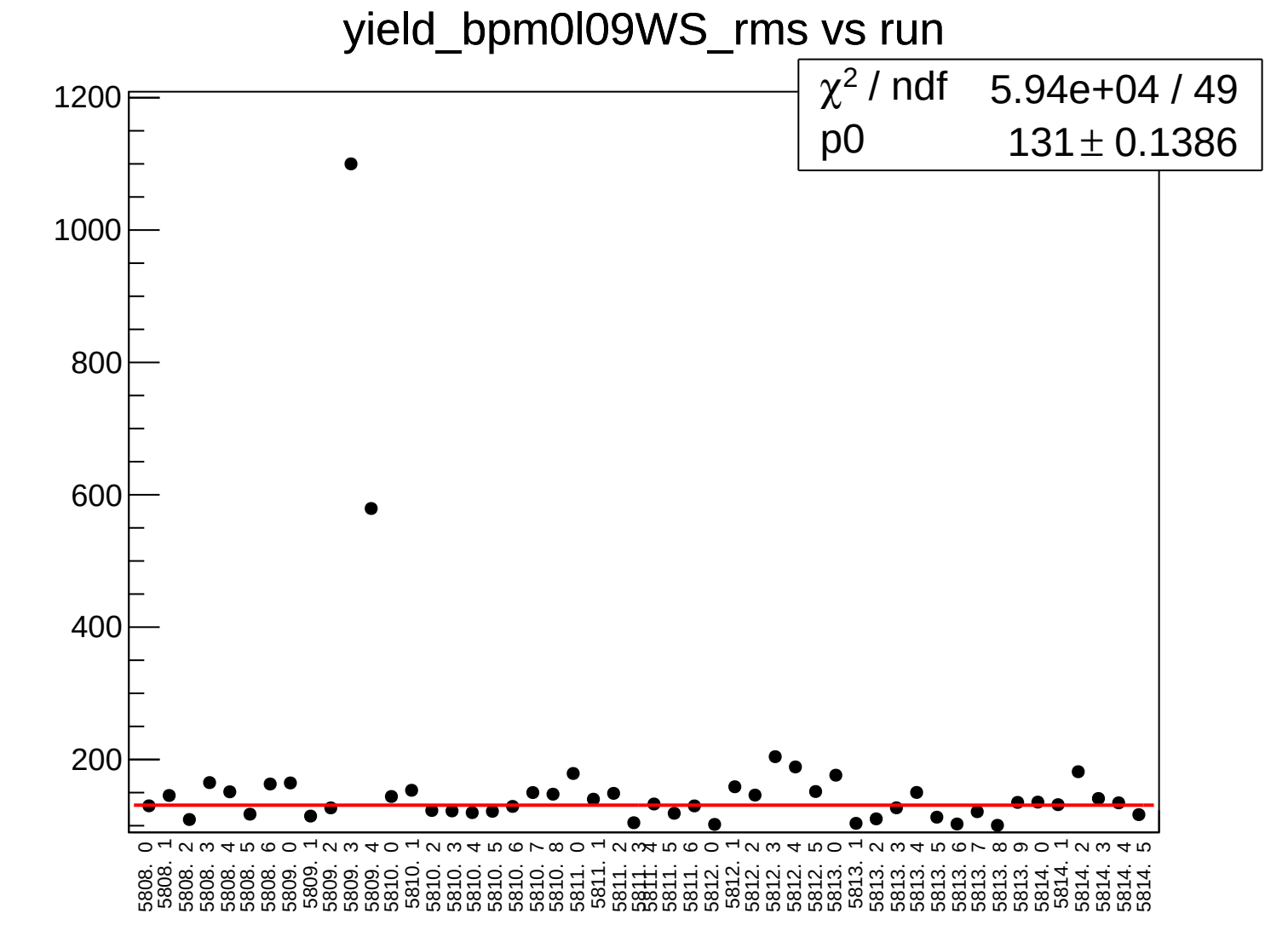

yield_bpm0l07WS_rms vs run
χ² / ndf 6.258e+04 / 49
p0 125.1 ± 0.1327
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

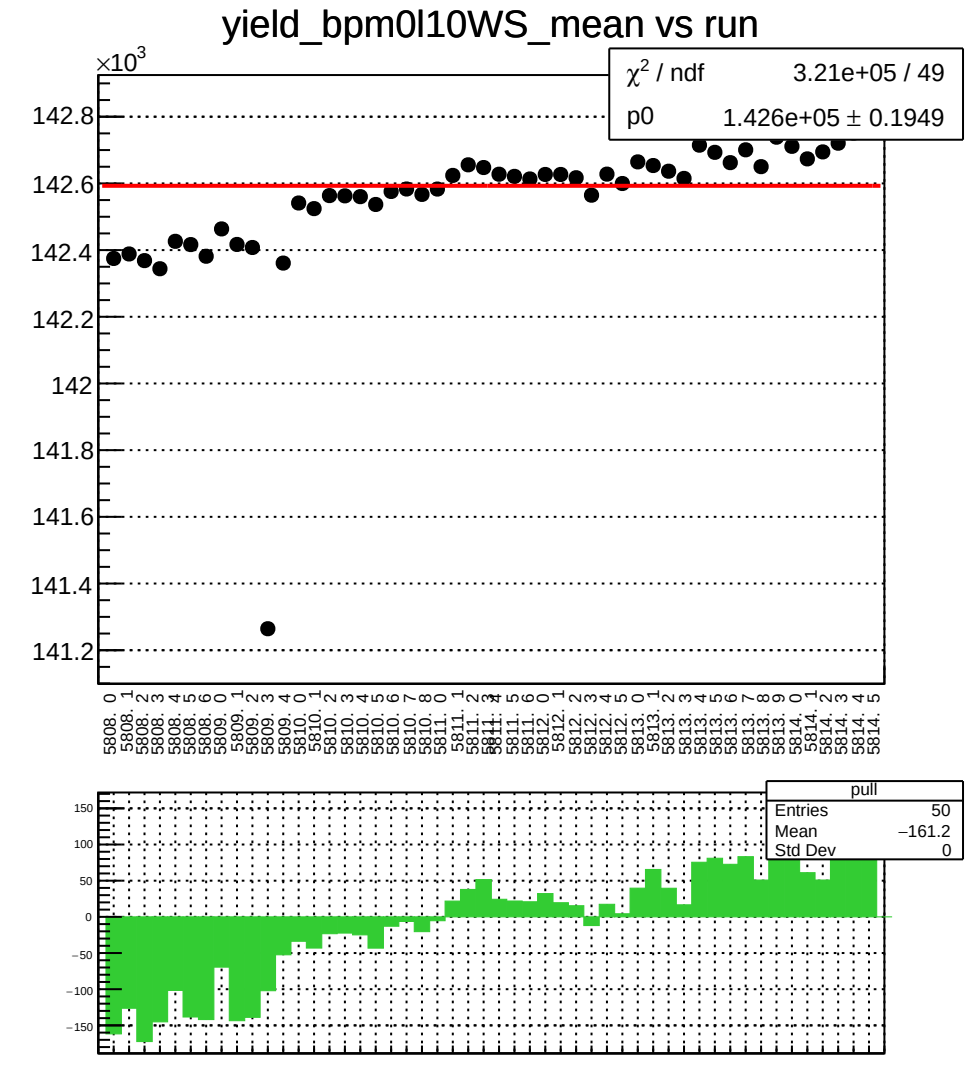

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 5.107e+05 / 49
p0 1.462e+05 ± 0.1984
146.4
146.2
146
145.8
145.6
145.4
145.2
145
144.8
pull
Entries 50
Mean −256.9
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 50
Mean 4.057
Std Dev 0.949
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

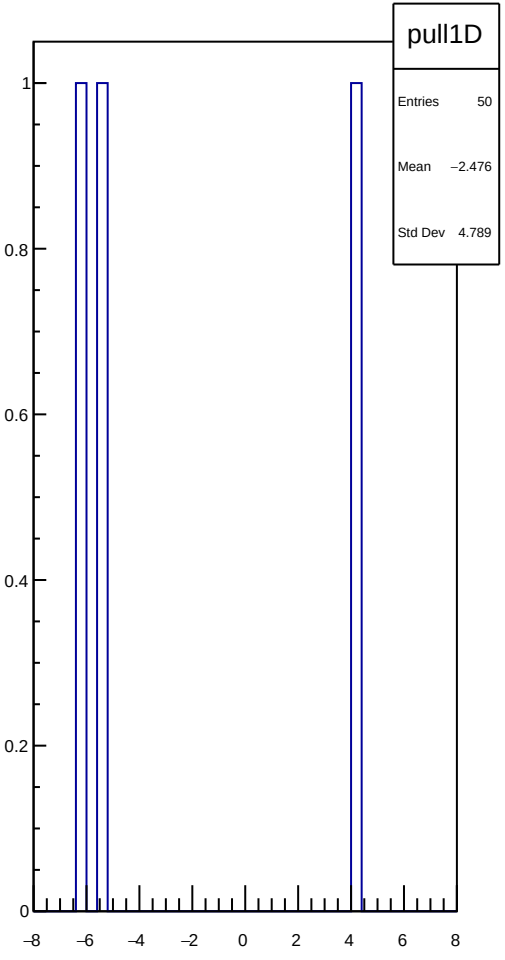

yield_bpm0l08WS_rms vs run
χ² / ndf 6.282e+04 / 49
p0 132.3 ± 0.1403
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

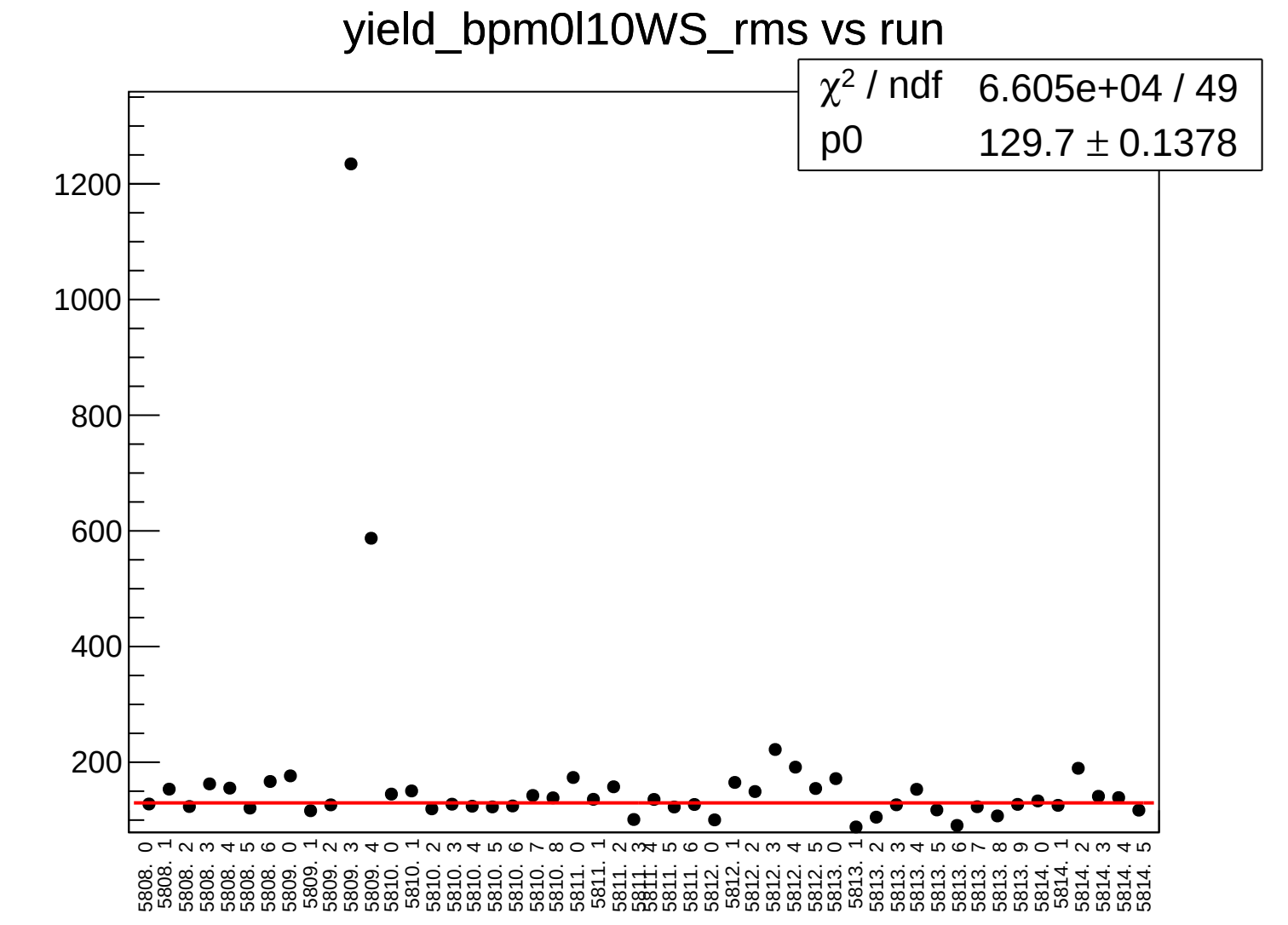

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 4.336e+05 / 49
p0 1.414e+05 ± 0.1961
141.6
141.4
141.2
141
140.8
140.6
140.4
140.2
pull
Entries 50
Mean −193.3
Std Dev 0
150
100
50
0
−50
−100
−150
−200

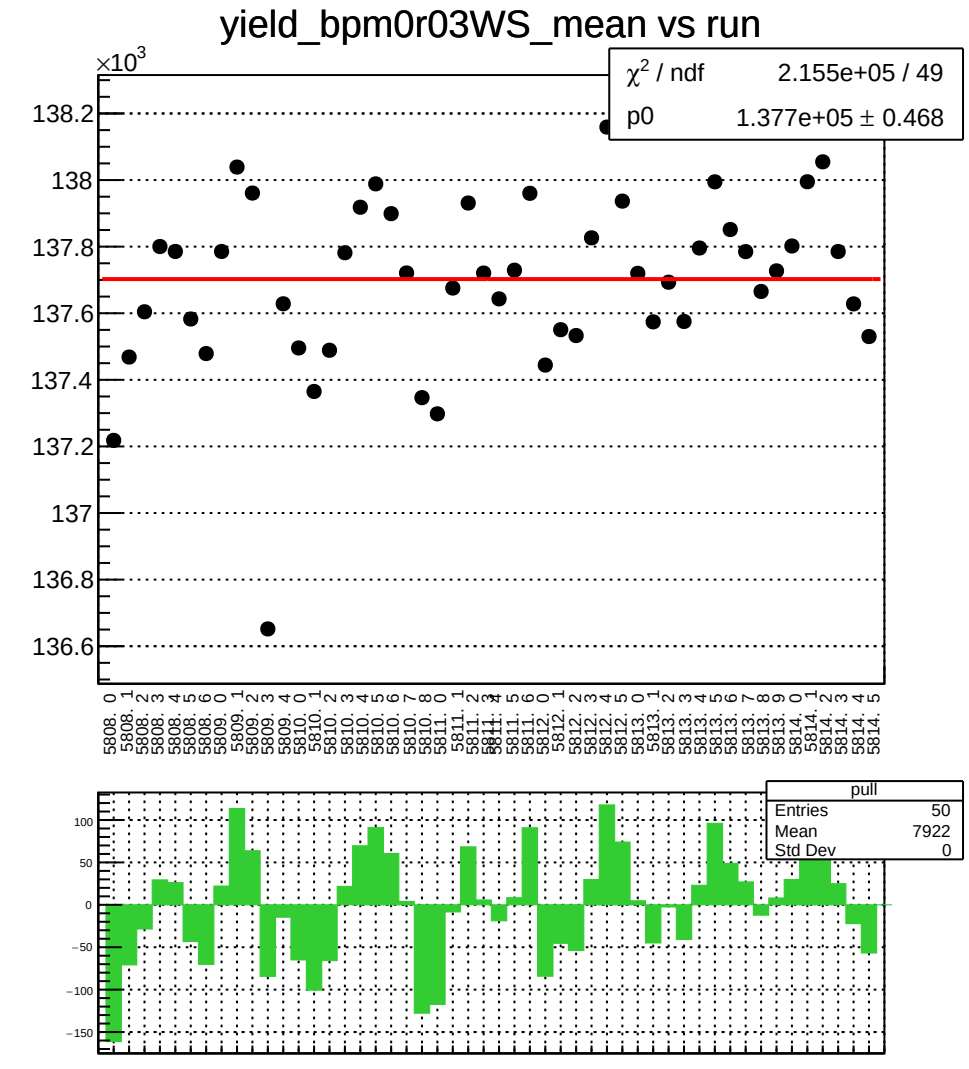

pull1D
Entries 50
Mean −0.09392
Std Dev 2.428
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

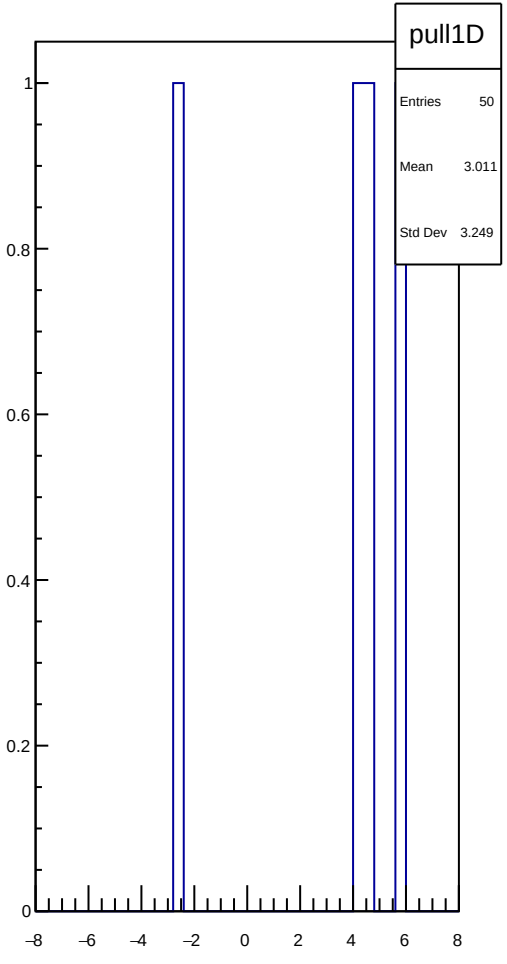

yield_bpm0l09WS_rms vs run
χ² / ndf 5.94e+04 / 49
p0 131 ± 0.1386
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

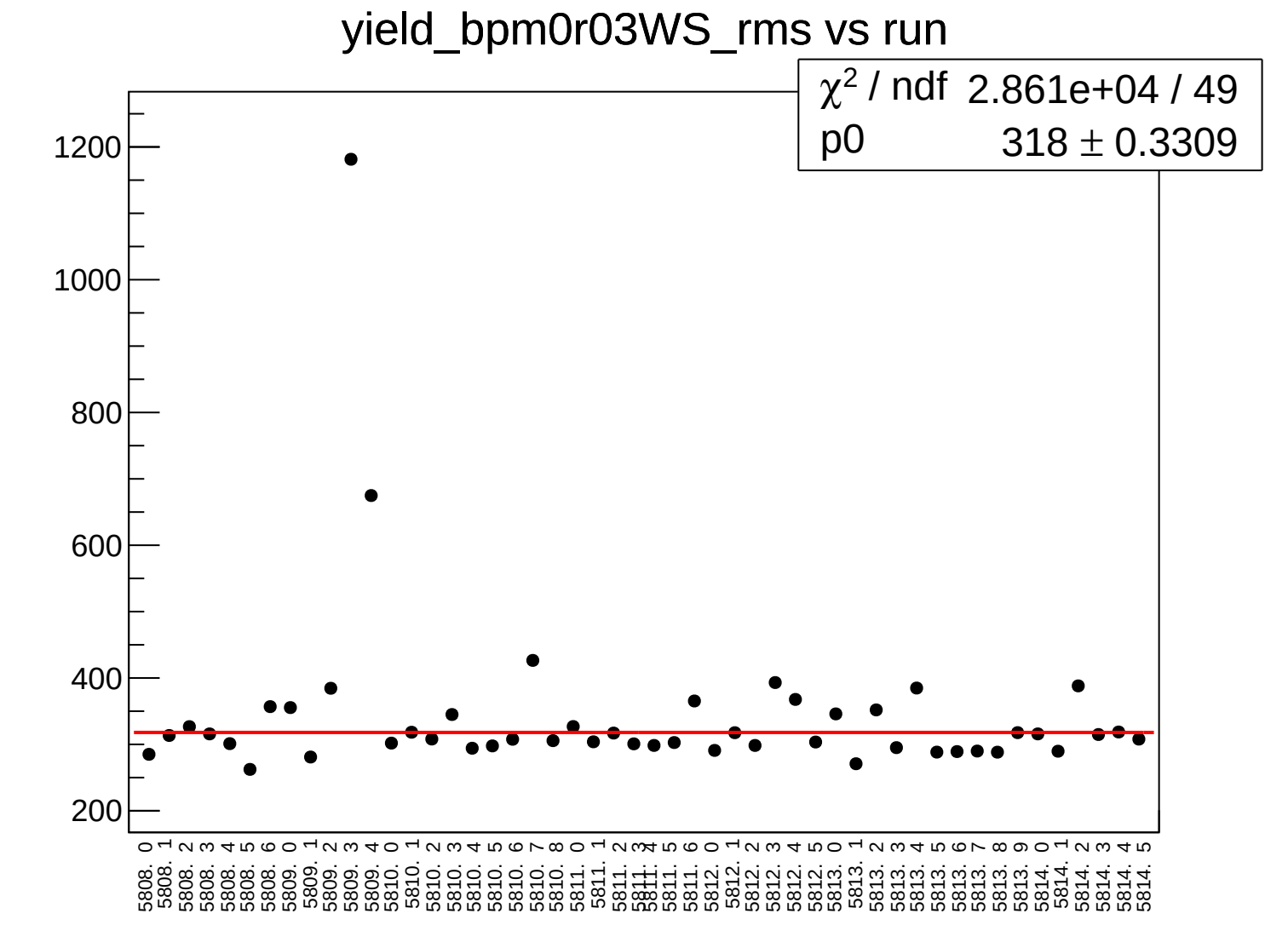

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 3.21e+05 / 49
p0 1.426e+05 ± 0.1949
142.8
142.6
142.4
142.2
142
141.8
141.6
141.4
141.2
pull
Entries 50
Mean −161.2
Std Dev 0
150
100
50
0
−50
−100
−150

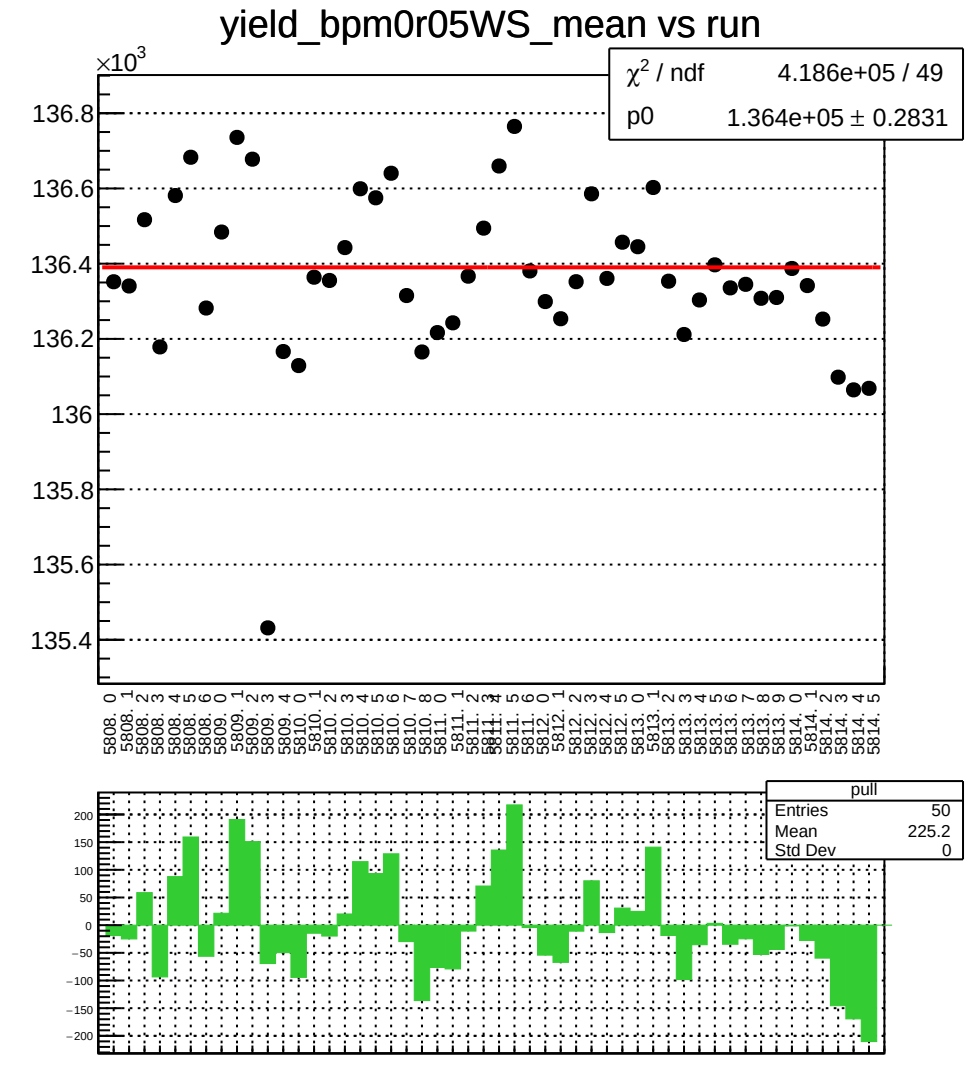

pull1D
Entries 50
Mean −2.476
Std Dev 4.789
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

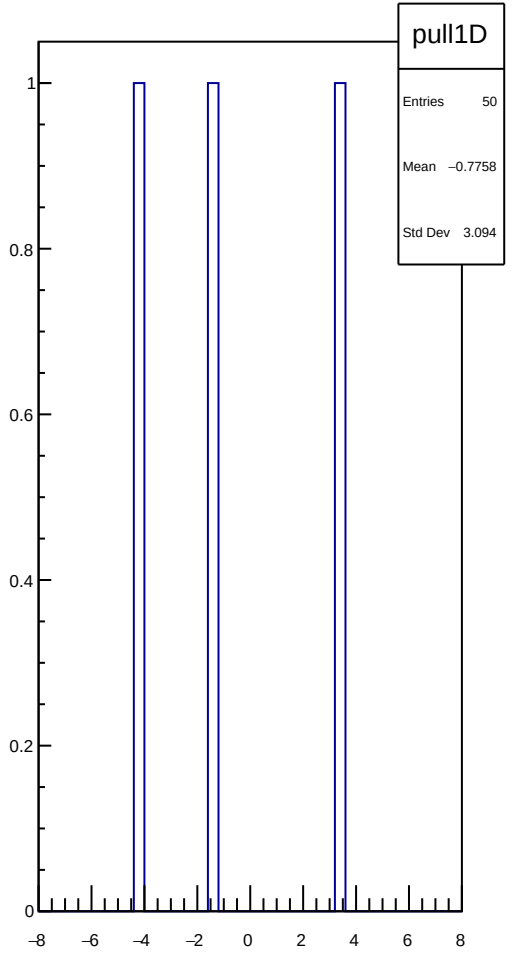

yield_bpm0l10WS_rms vs run
χ² / ndf 6.605e+04 / 49
p0 129.7 ± 0.1378
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

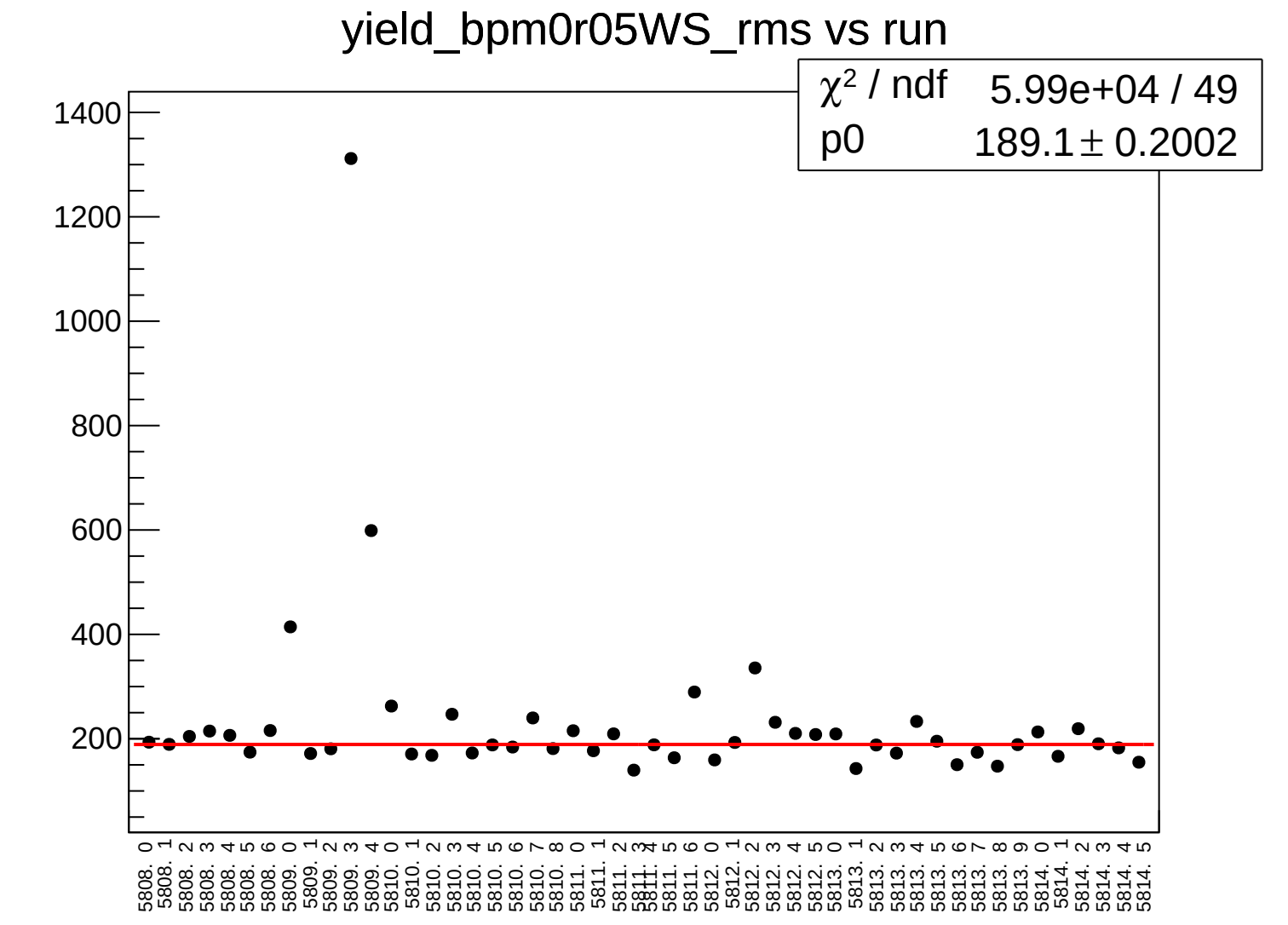

yield_bpm0r03WS_mean vs run
×10^3
χ^2 / ndf 2.155e+05 / 49
p0 1.377e+05 ± 0.468
138.2
138
137.8
137.6
137.4
137.2
137
136.8
136.6
pull
Entries 50
Mean 7922
Std Dev 0
100
50
0
−50
−100
−150

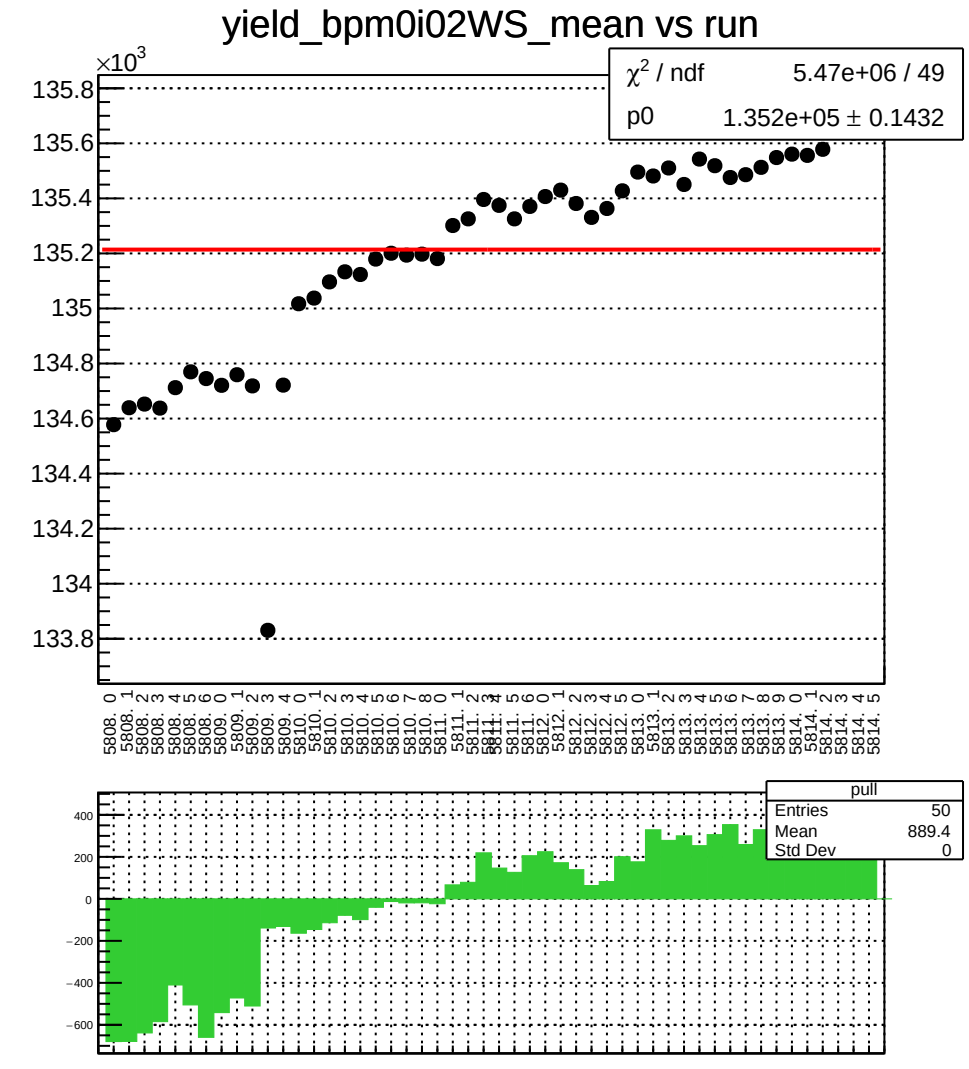

pull1D
Entries 50
Mean 3.011
Std Dev 3.249
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

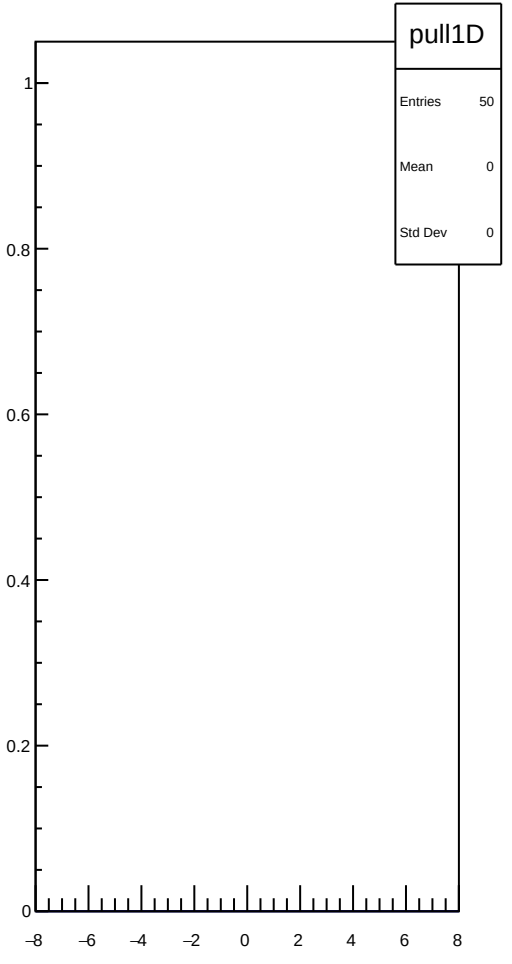

yield_bpm0r03WS_rms vs run
χ² / ndf 2.861e+04 / 49
p0 318 ± 0.3309
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

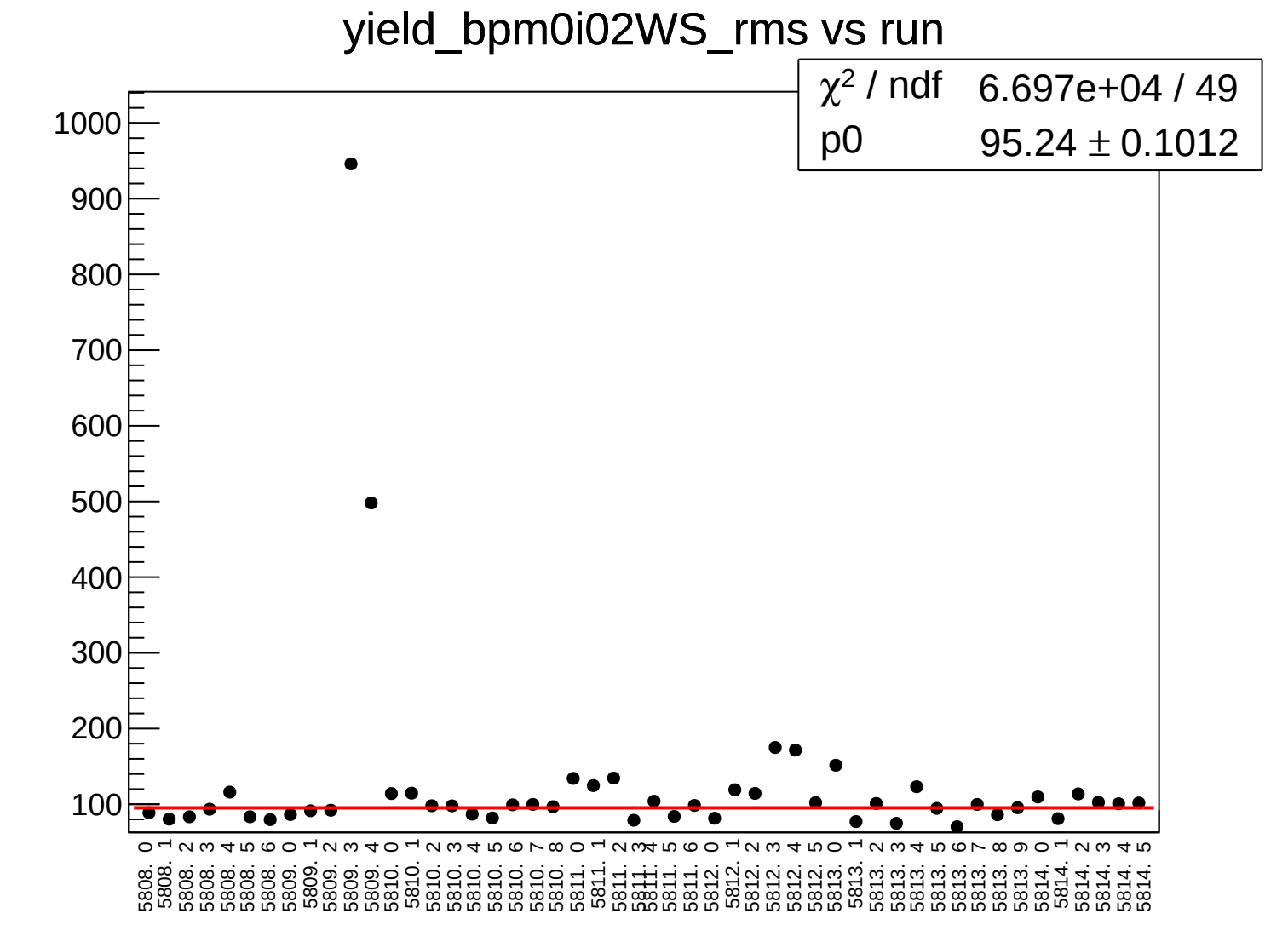

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 4.186e+05 / 49
p0 1.364e+05 ± 0.2831
136.8
136.6
136.4
136.2
136
135.8
135.6
135.4
pull
Entries 50
Mean 225.2
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200

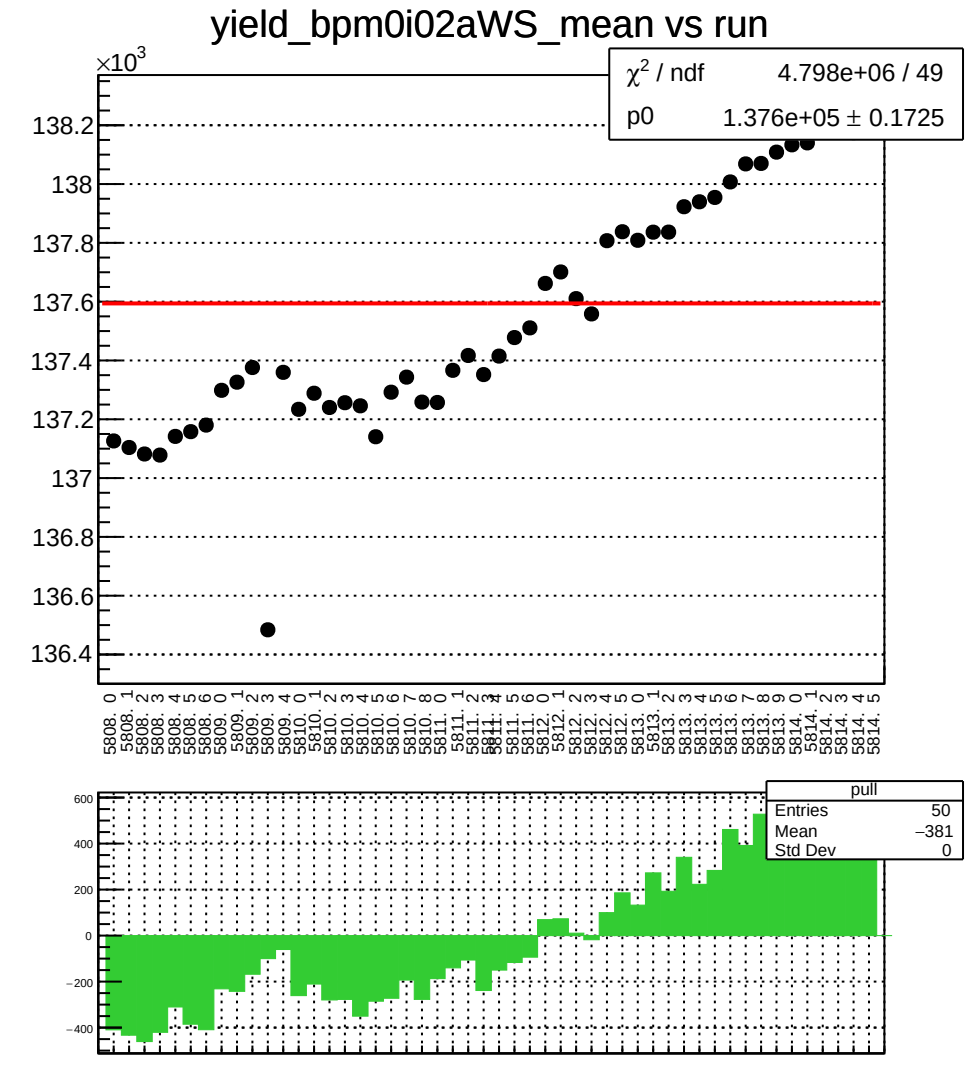

pull1D
Entries 50
Mean −0.7758
Std Dev 3.094
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

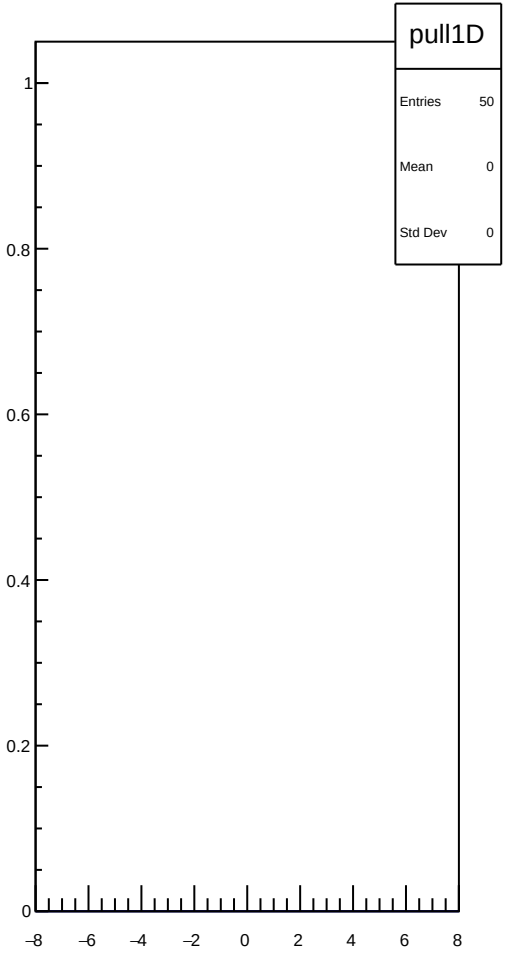

yield_bpm0r05WS_rms vs run
χ² / ndf 5.99e+04 / 49
p0 189.1 ± 0.2002
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

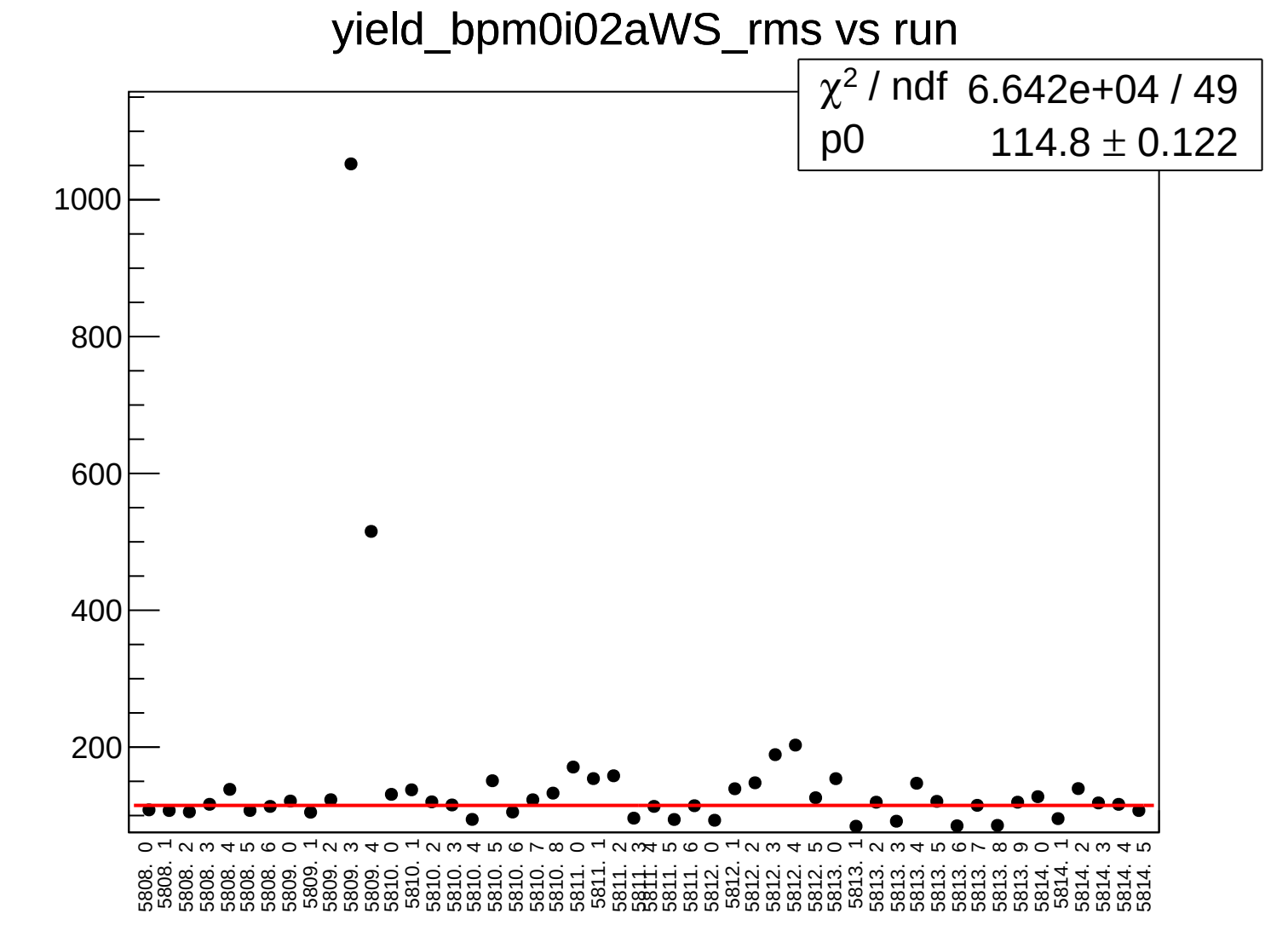

yield_bpm0i02WS_mean vs run
×10^3
χ² / ndf 5.47e+06 / 49
p0 1.352e+05 ± 0.1432
135.8
135.6
135.4
135.2
135
134.8
134.6
134.4
134.2
134
133.8
pull
Entries 50
Mean 889.4
Std Dev 0
400
200
0
−200
−400
−600

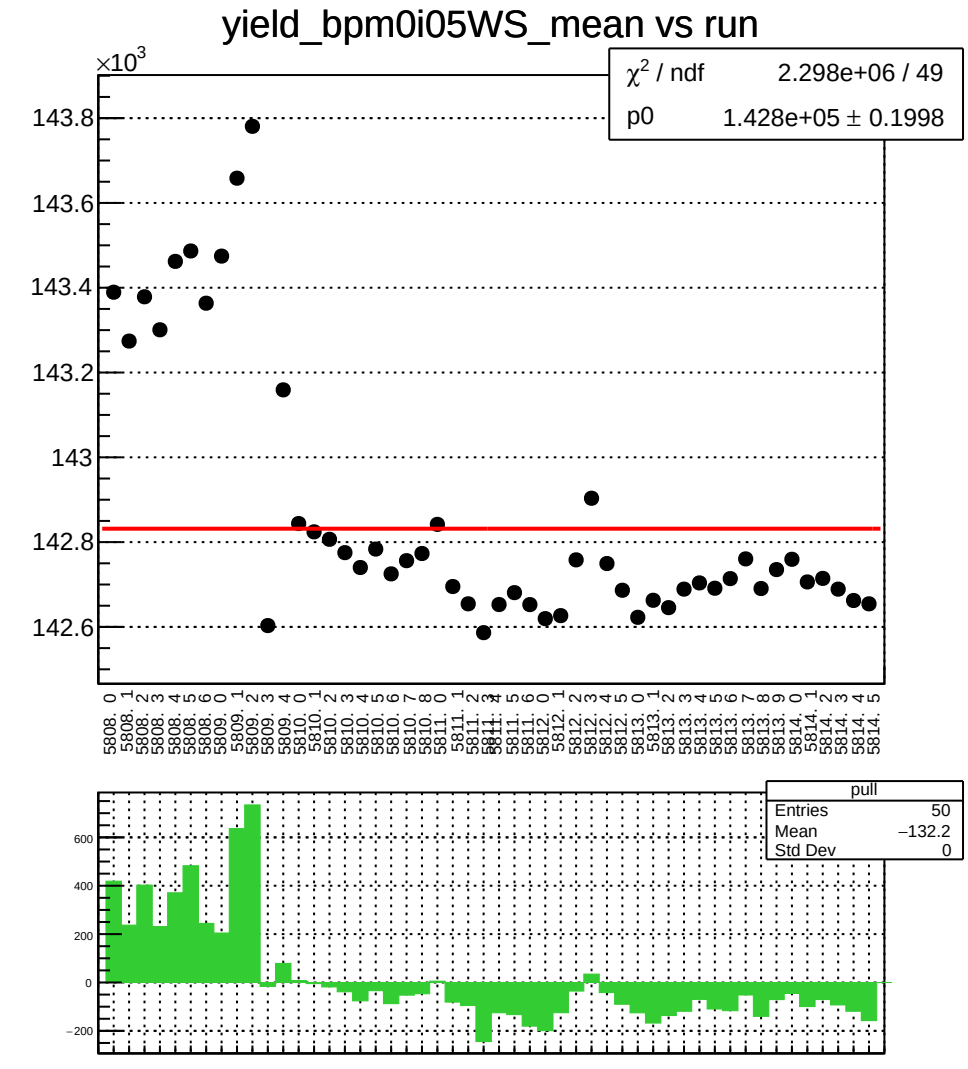

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

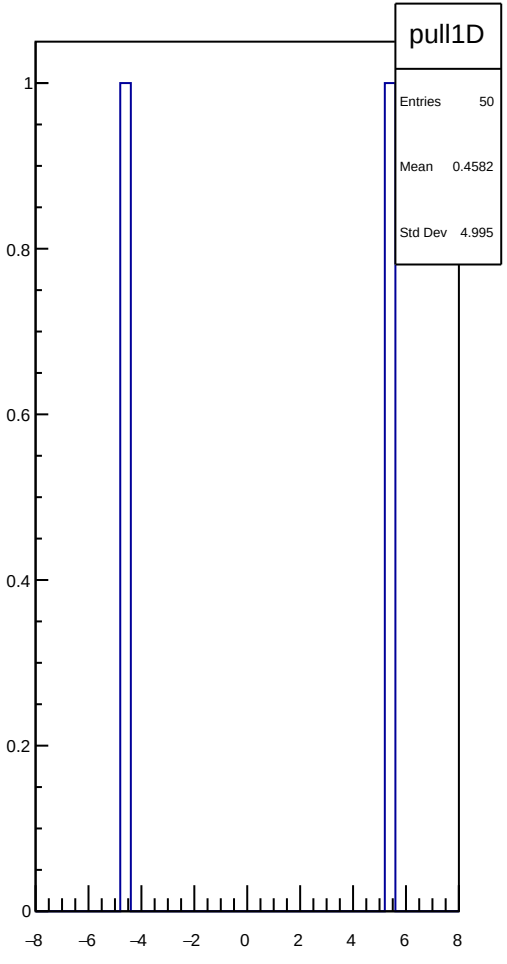

yield_bpm0i02WS_rms vs run
χ² / ndf 6.697e+04 / 49
p0 95.24 ± 0.1012
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

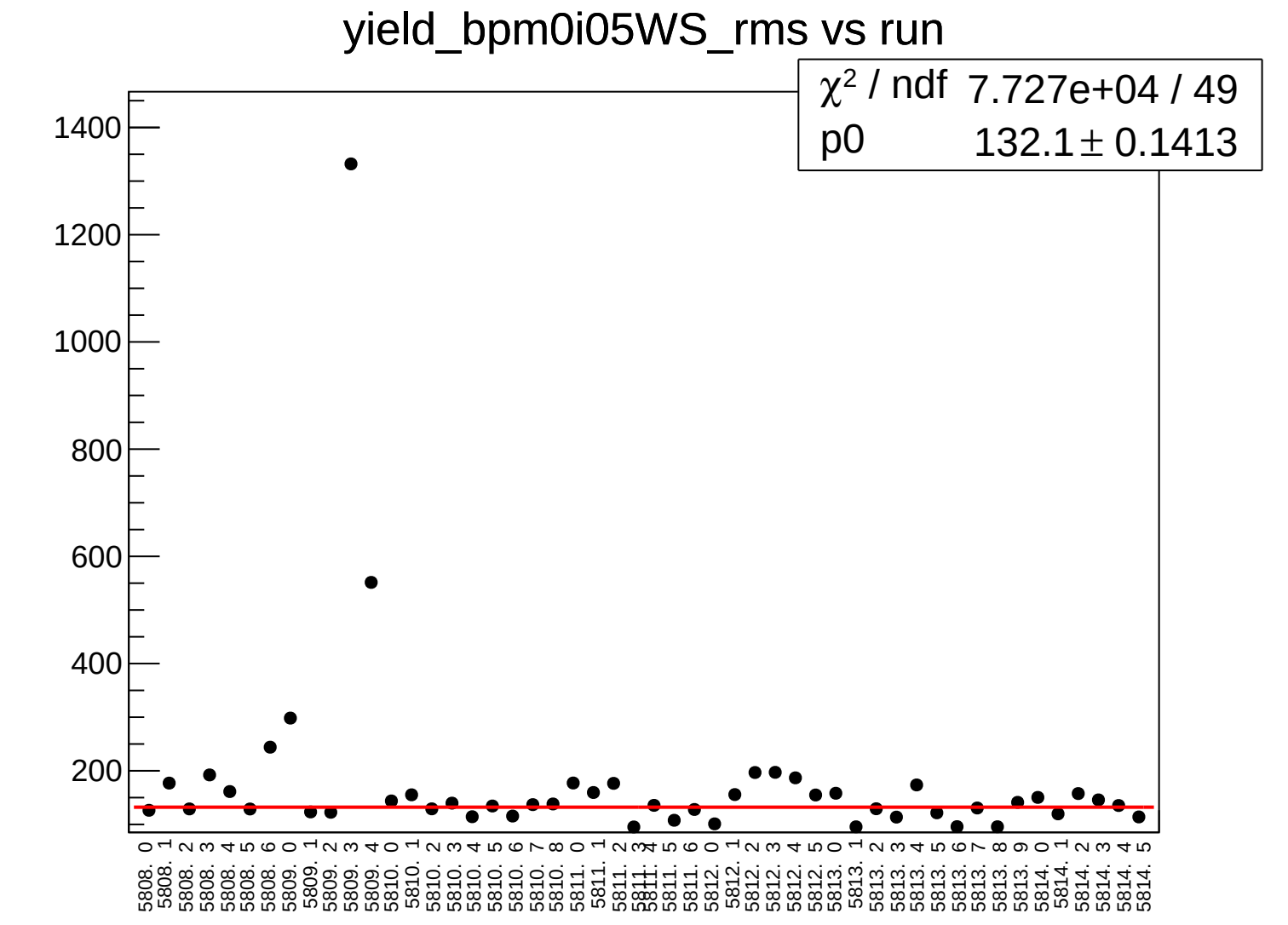

yield_bpm0i02aWS_mean vs run
×10^3
χ² / ndf 4.798e+06 / 49
p0 1.376e+05 ± 0.1725
138.2
138
137.8
137.6
137.4
137.2
137
136.8
136.6
136.4
pull
Entries 50
Mean −381
Std Dev 0
600
400
200
0
−200
−400

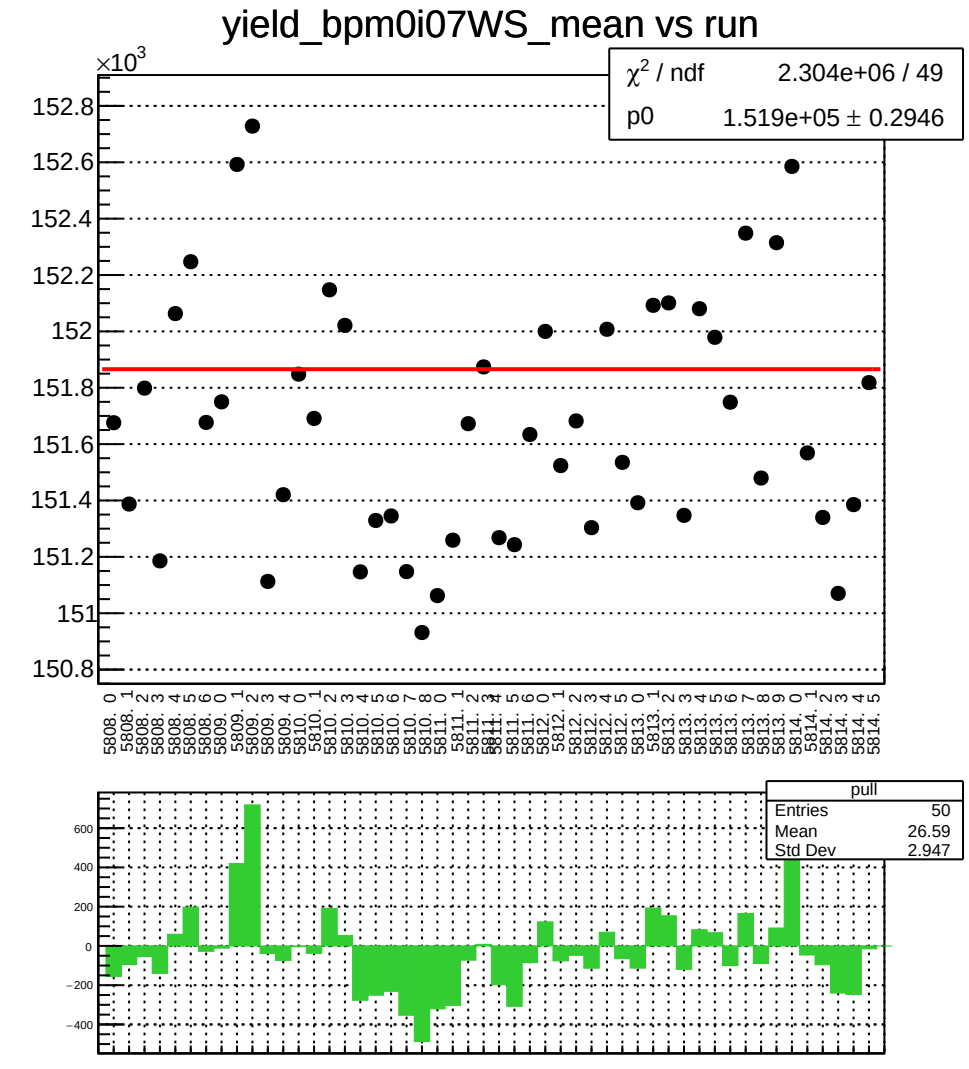

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

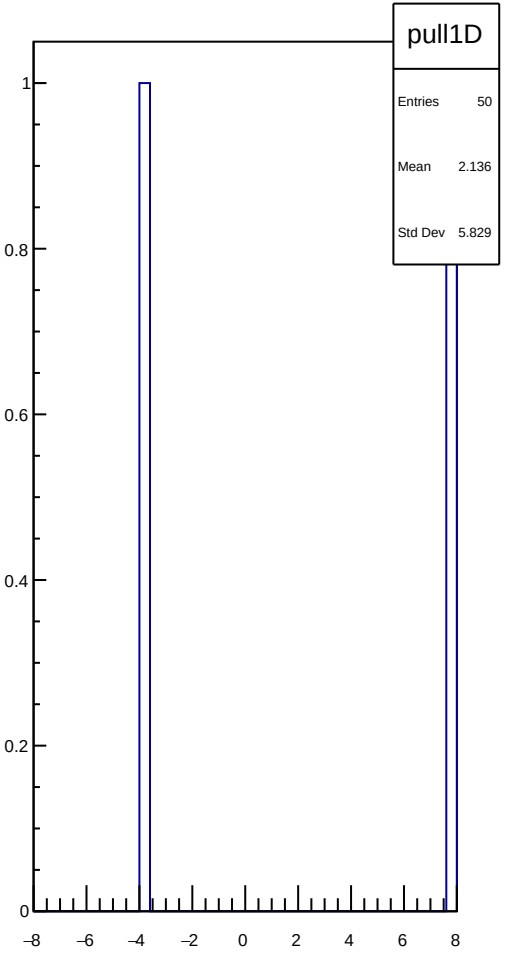

yield_bpm0i02aWS_rms vs run
χ² / ndf 6.642e+04 / 49
p0 114.8 ± 0.122
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

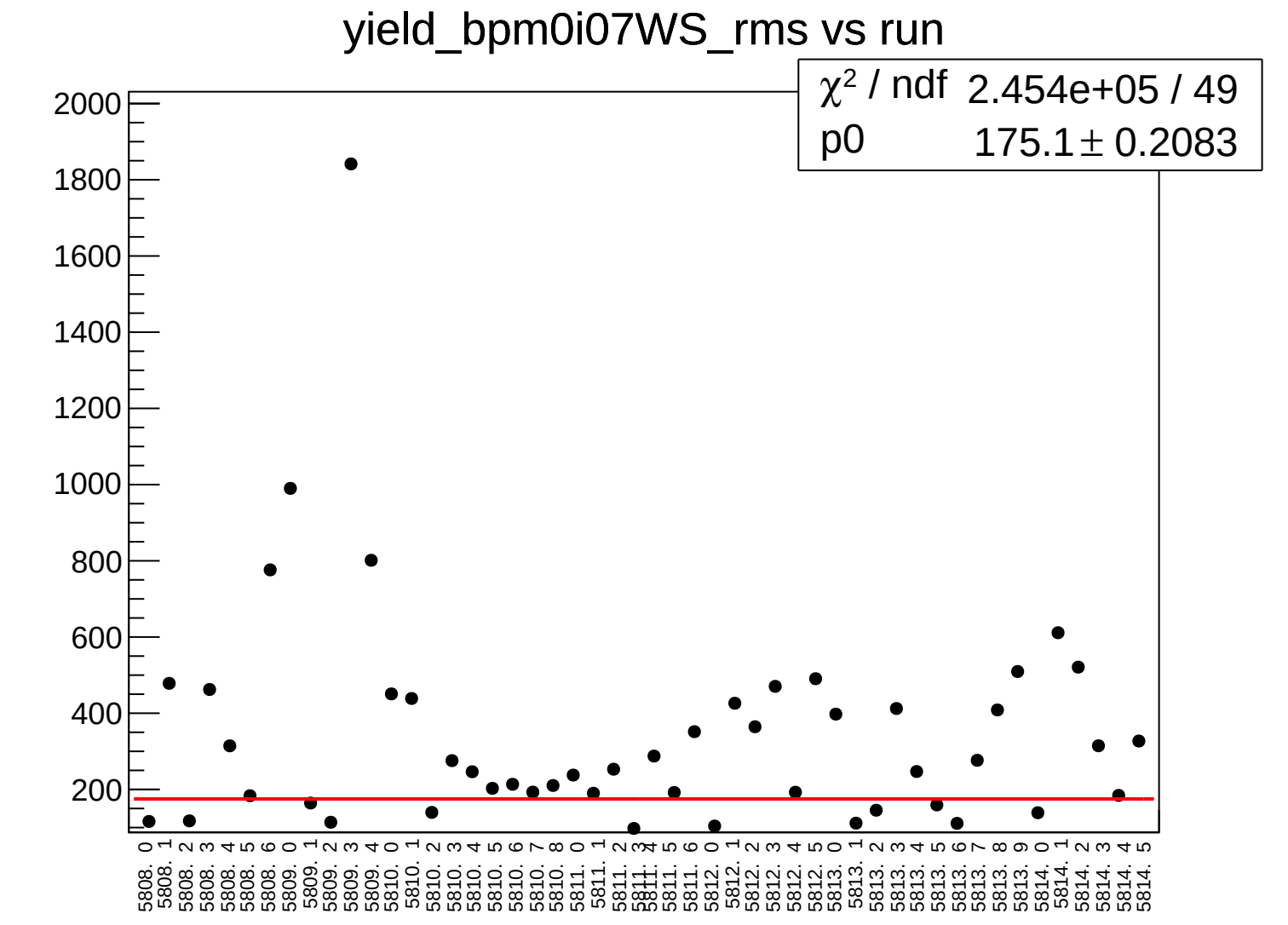

yield_bpm0i05WS_mean vs run
×10^3
χ^2 / ndf 2.298e+06 / 49
p0 1.428e+05 ± 0.1998
143.8
143.6
143.4
143.2
143
142.8
142.6
pull
Entries 50
Mean −132.2
Std Dev 0
600
400
200
0
−200

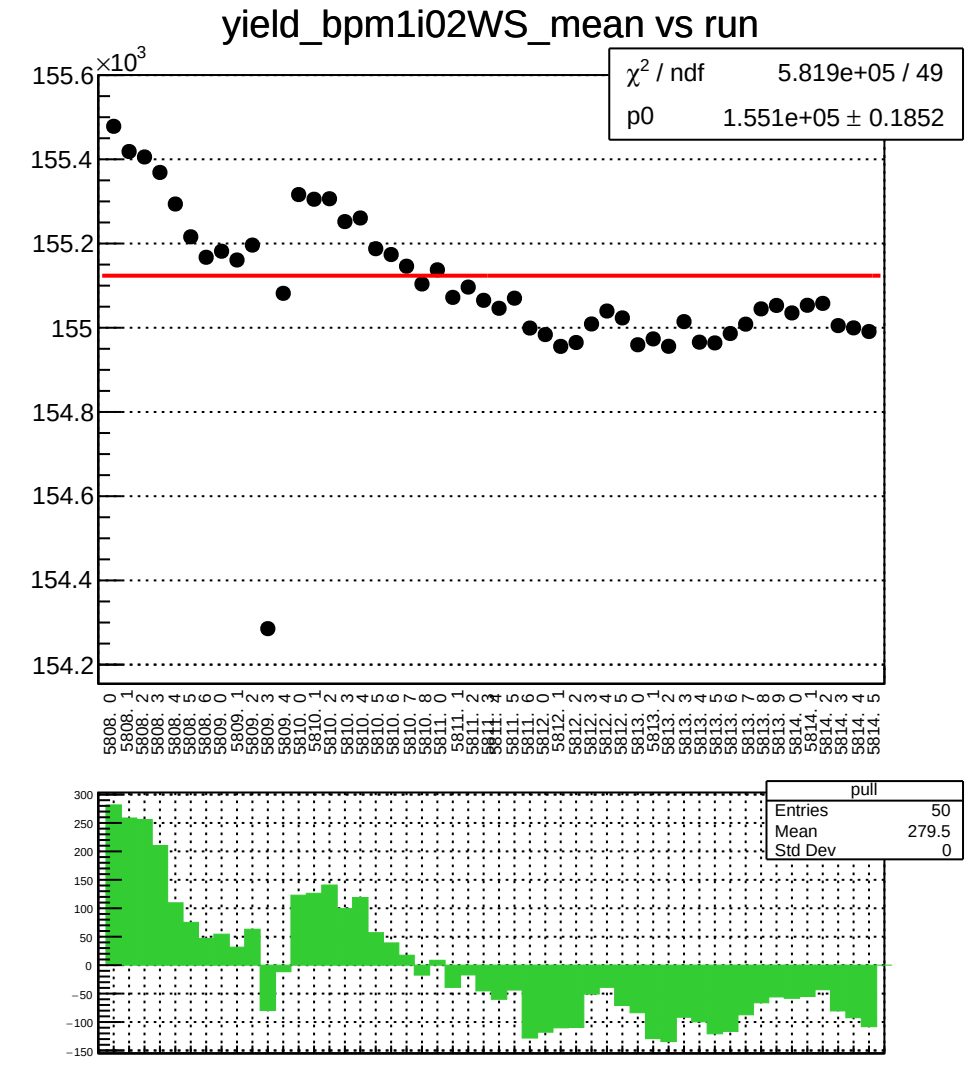

pull1D
Entries 50
Mean 0.4582
Std Dev 4.995
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

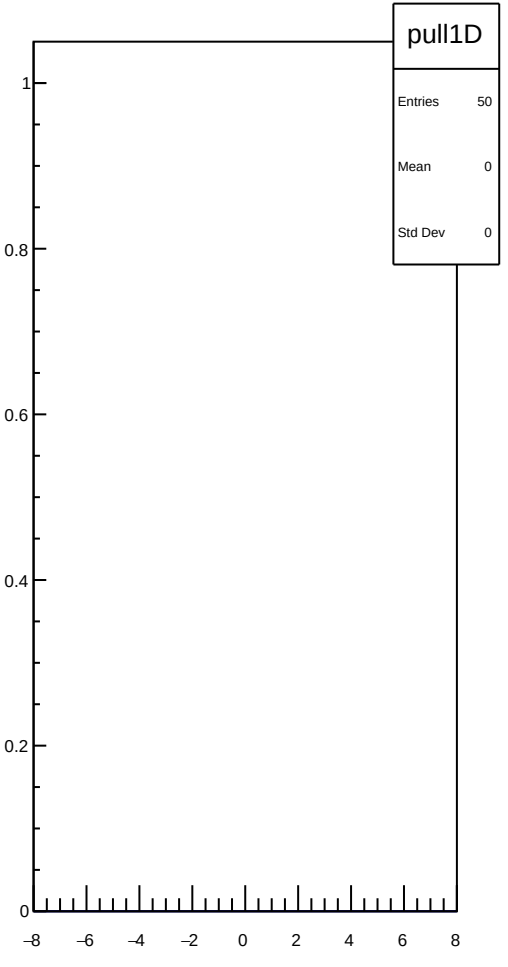

yield_bpm0i05WS_rms vs run
χ² / ndf 7.727e+04 / 49
p0 132.1 ± 0.1413
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

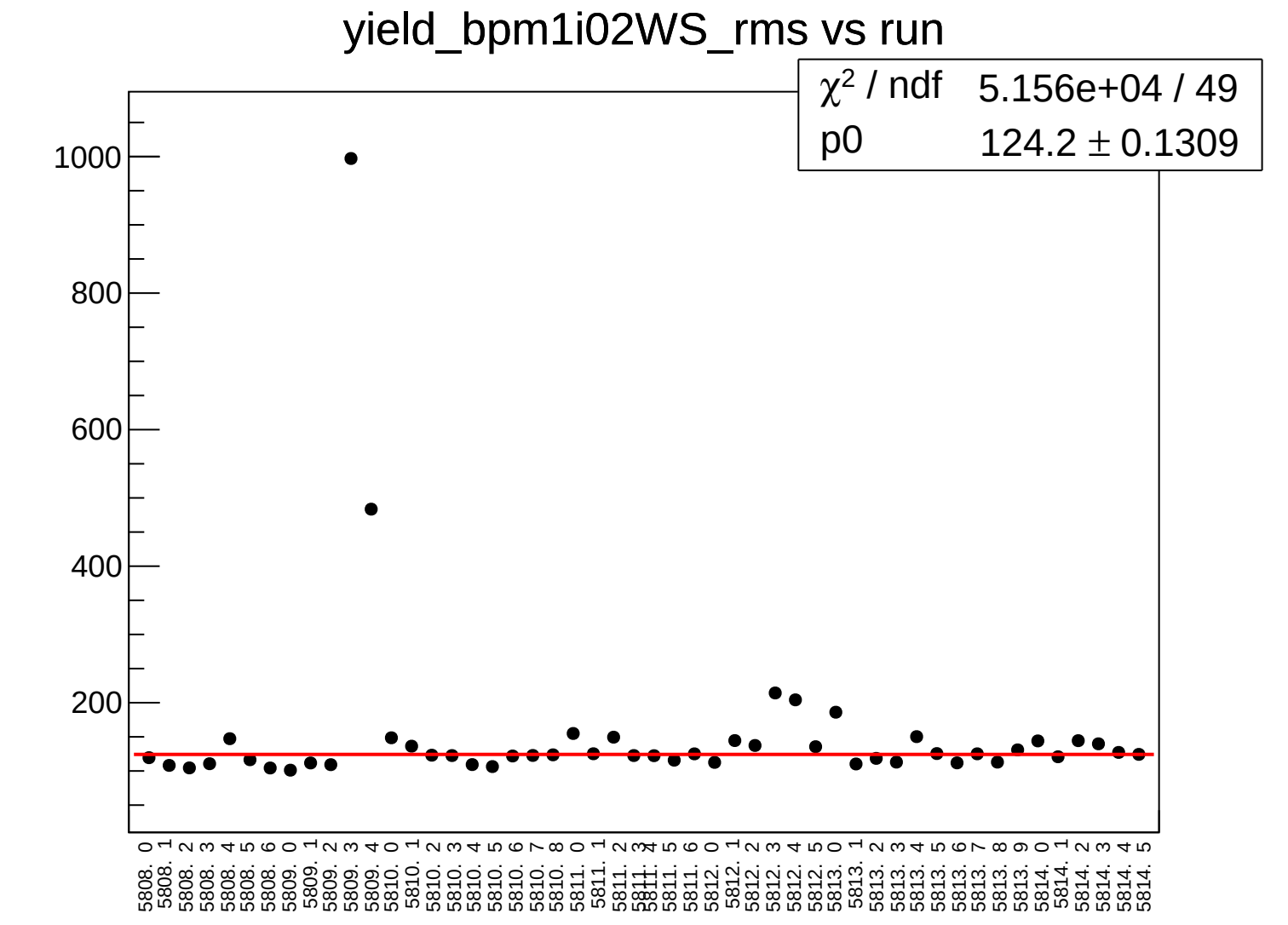

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 2.304e+06 / 49
p0 1.519e+05 ± 0.2946
152.8
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
151
150.8
pull
Entries 50
Mean 26.59
Std Dev 2.947
600
400
200
0
−200
−400

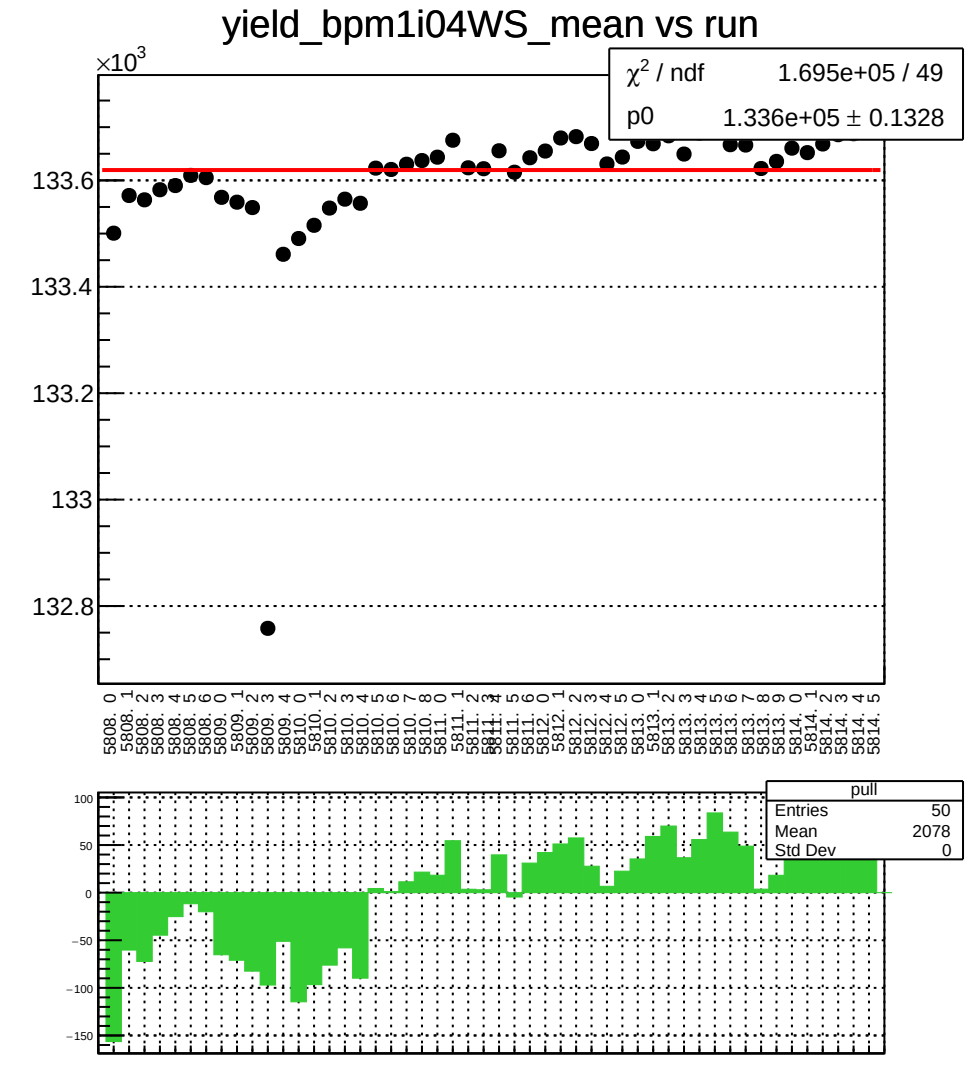

pull1D
Entries 50
Mean 2.136
Std Dev 5.829
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

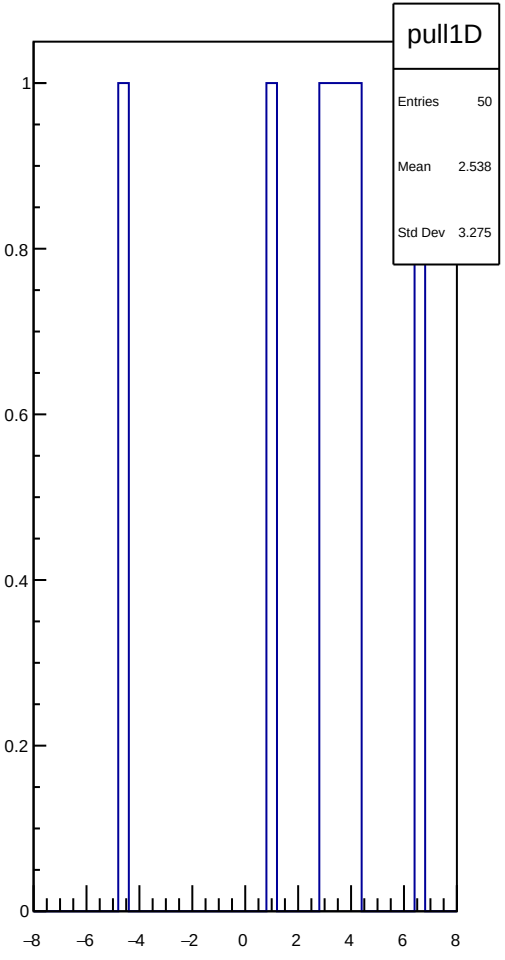

yield_bpm0i07WS_rms vs run
χ² / ndf 2.454e+05 / 49
p0 175.1 ± 0.2083
2000
1800
1600
1400
1200
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

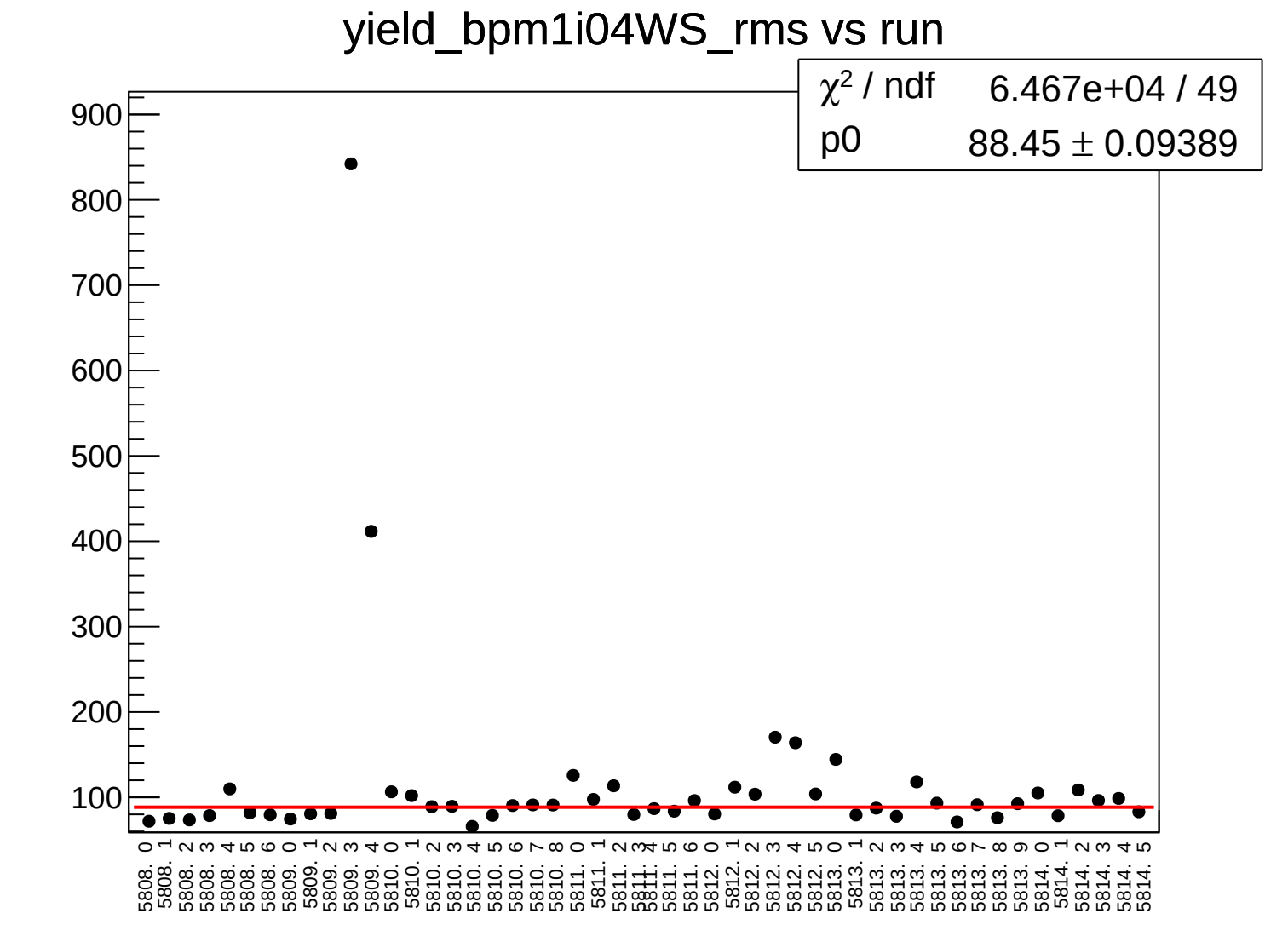

yield_bpm1i02WS_mean vs run
×10^3
155.6
155.4
155.2
155
154.8
154.6
154.4
154.2
χ² / ndf 5.819e+05 / 49
p0 1.551e+05 ± 0.1852
pull
Entries 50
Mean 279.5
Std Dev 0
300
250
200
150
100
50
0
−50
−100
−150

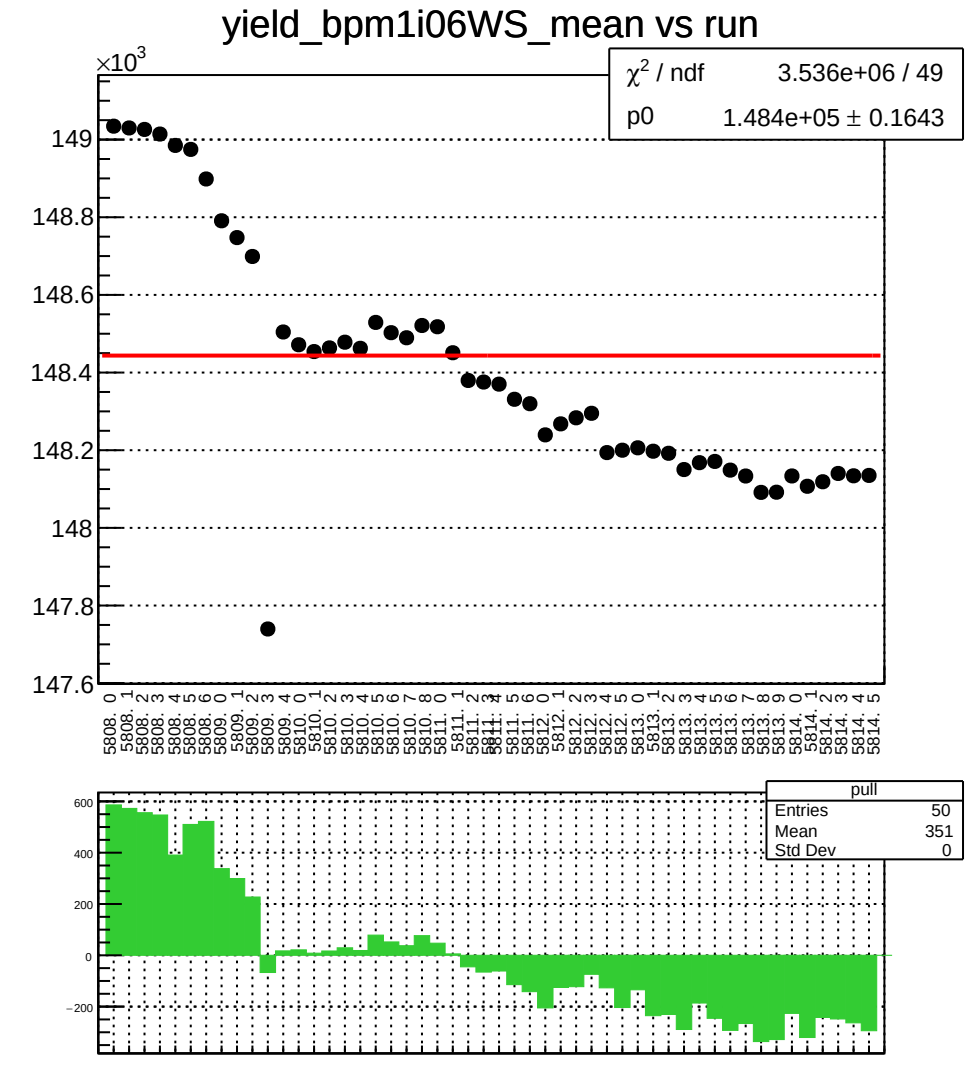

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

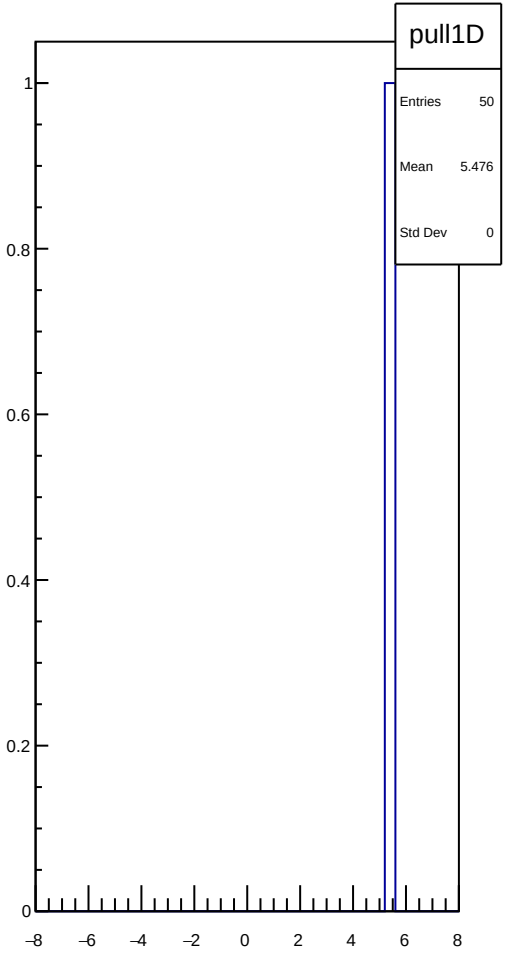

yield_bpm1i02WS_rms vs run
χ² / ndf 5.156e+04 / 49
p0 124.2 ± 0.1309
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

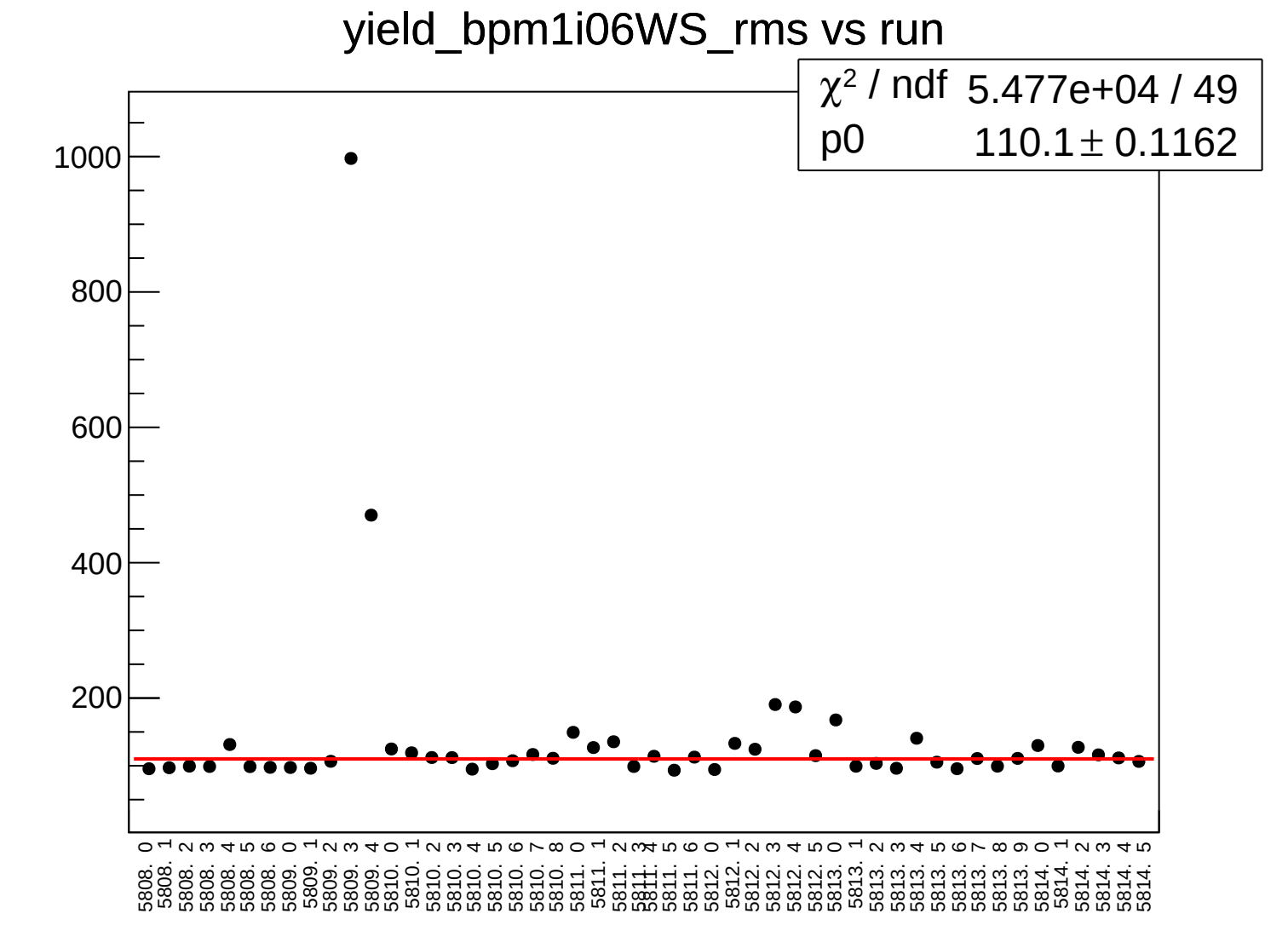

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 1.695e+05 / 49
p0 1.336e+05 ± 0.1328
133.6
133.4
133.2
133
132.8
pull
Entries 50
Mean 2078
Std Dev 0
100
50
0
−50
−100
−150

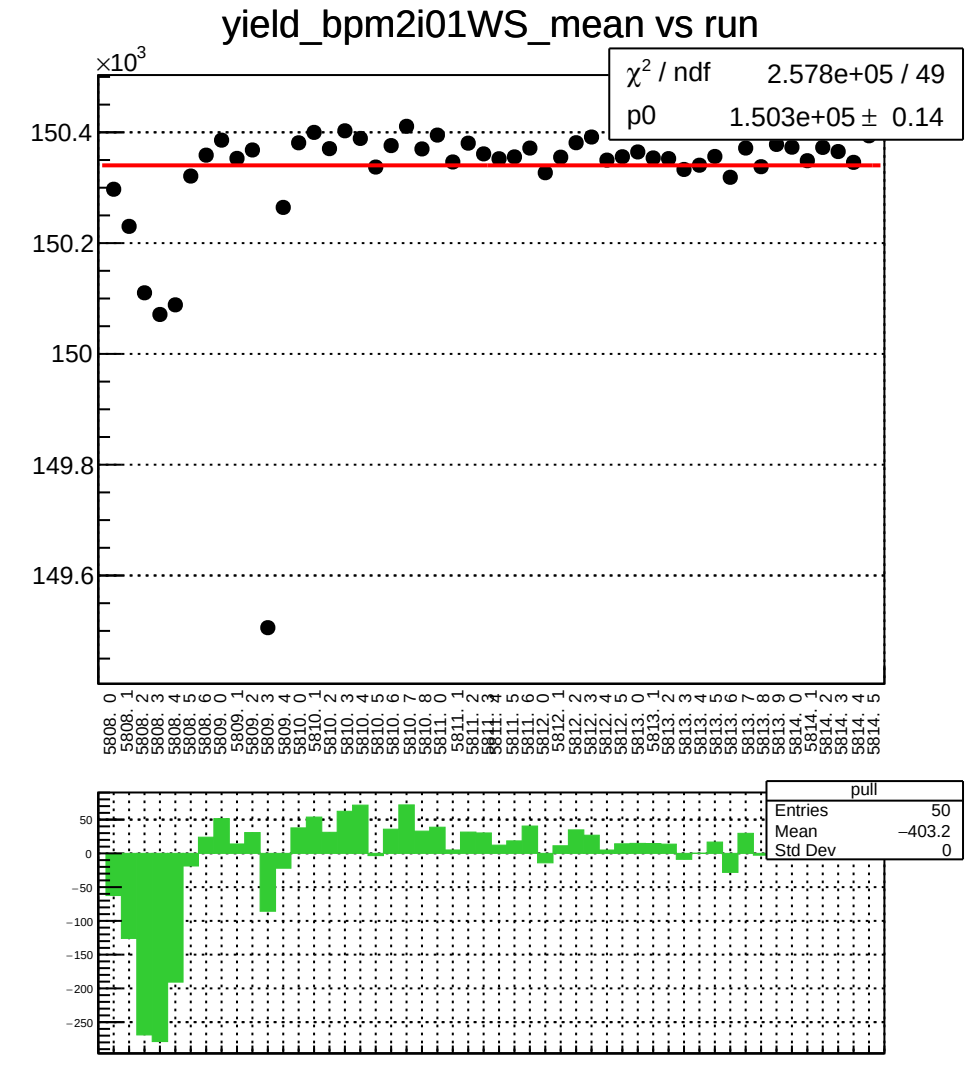

pull1D
Entries 50
Mean 2.538
Std Dev 3.275
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

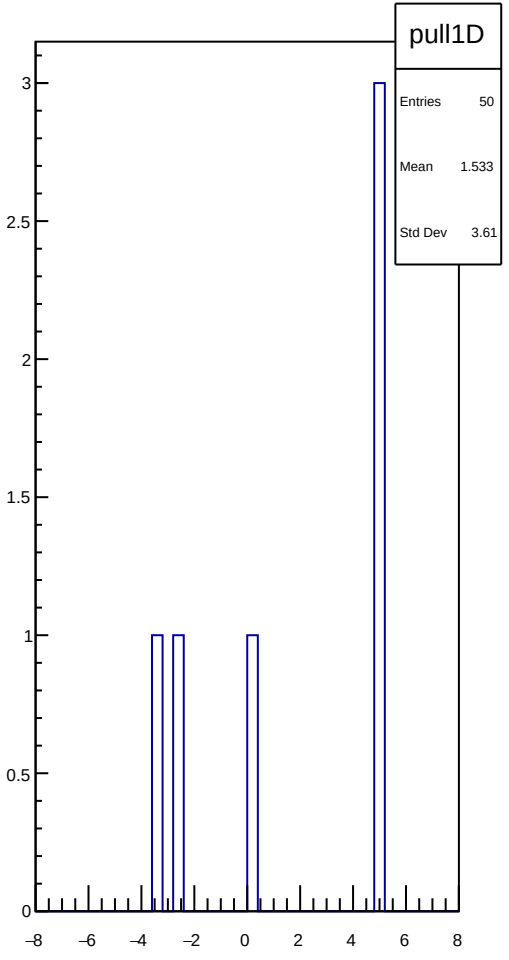

yield_bpm1i04WS_rms vs run
χ² / ndf 6.467e+04 / 49
p0 88.45 ± 0.09389
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

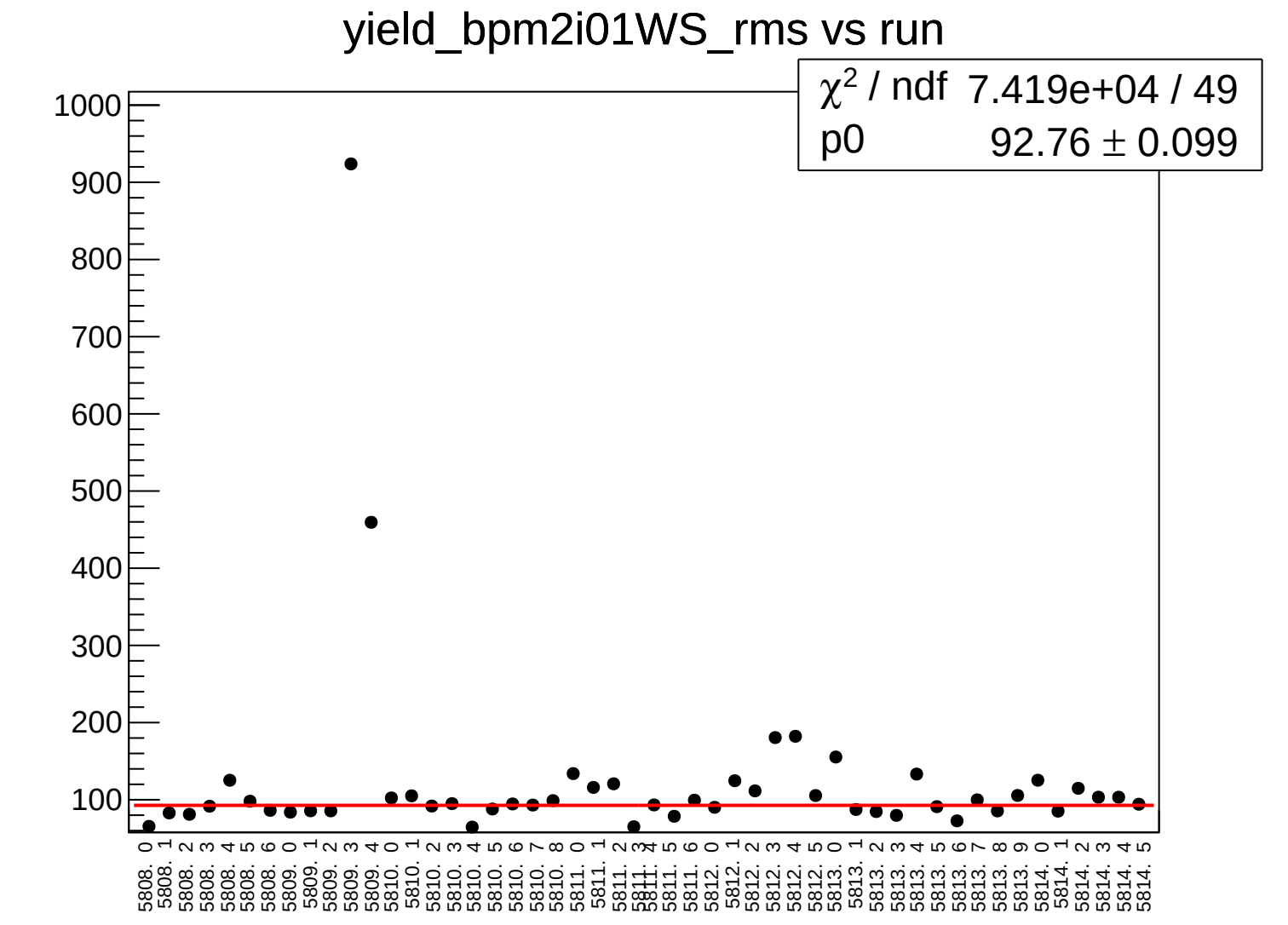

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 3.536e+06 / 49
p0 1.484e+05 ± 0.1643
149
148.8
148.6
148.4
148.2
148
147.8
147.6
pull
Entries 50
Mean 351
Std Dev 0
600
400
200
0
−200

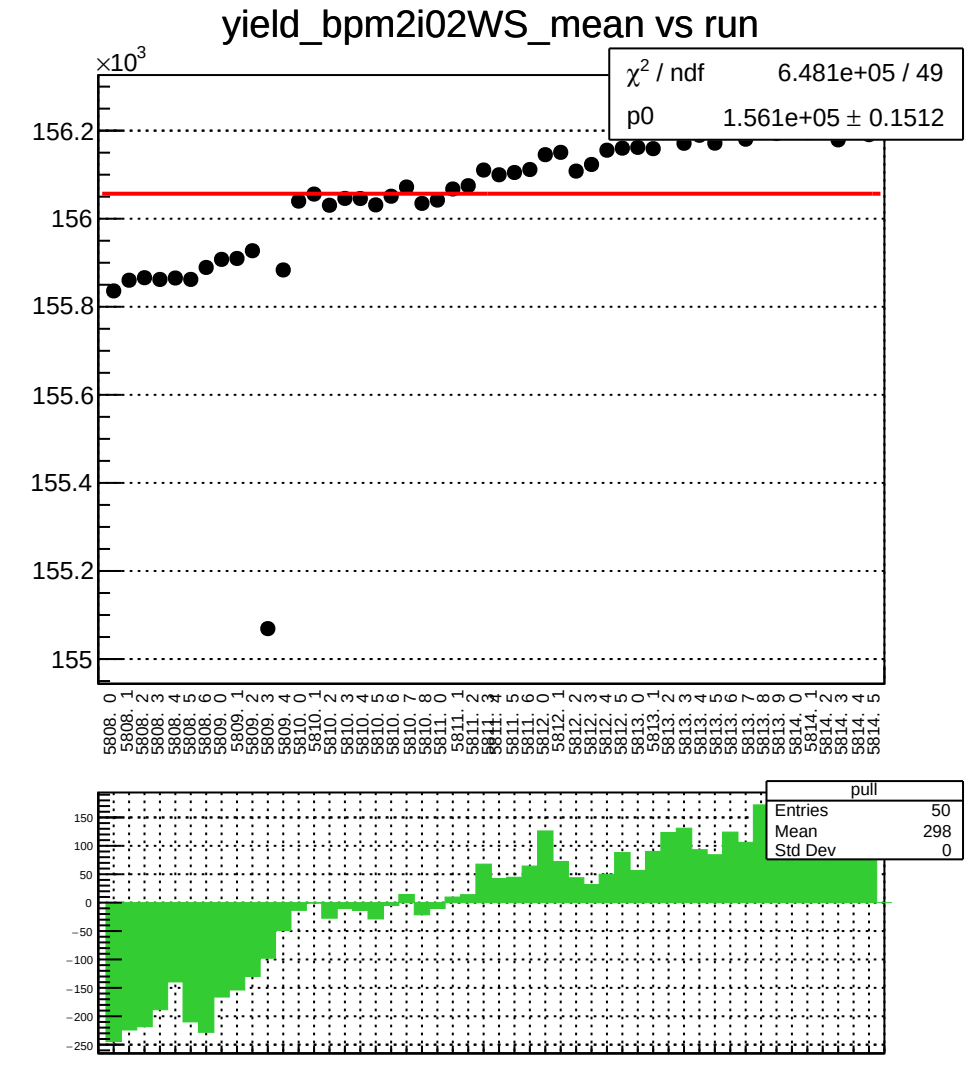

pull1D
Entries 50
Mean 5.476
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

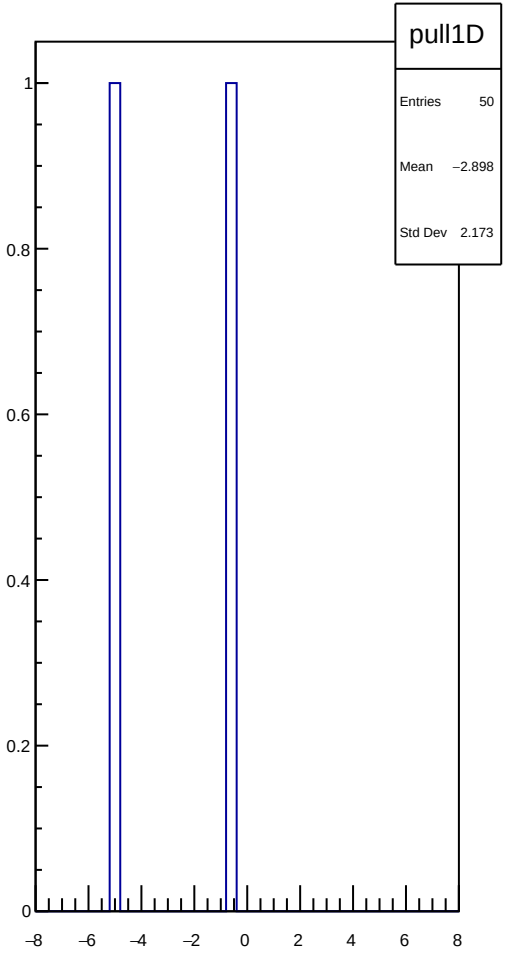

yield_bpm1i06WS_rms vs run
χ² / ndf 5.477e+04 / 49
p0 110.1 ± 0.1162
1000
800
600
400
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

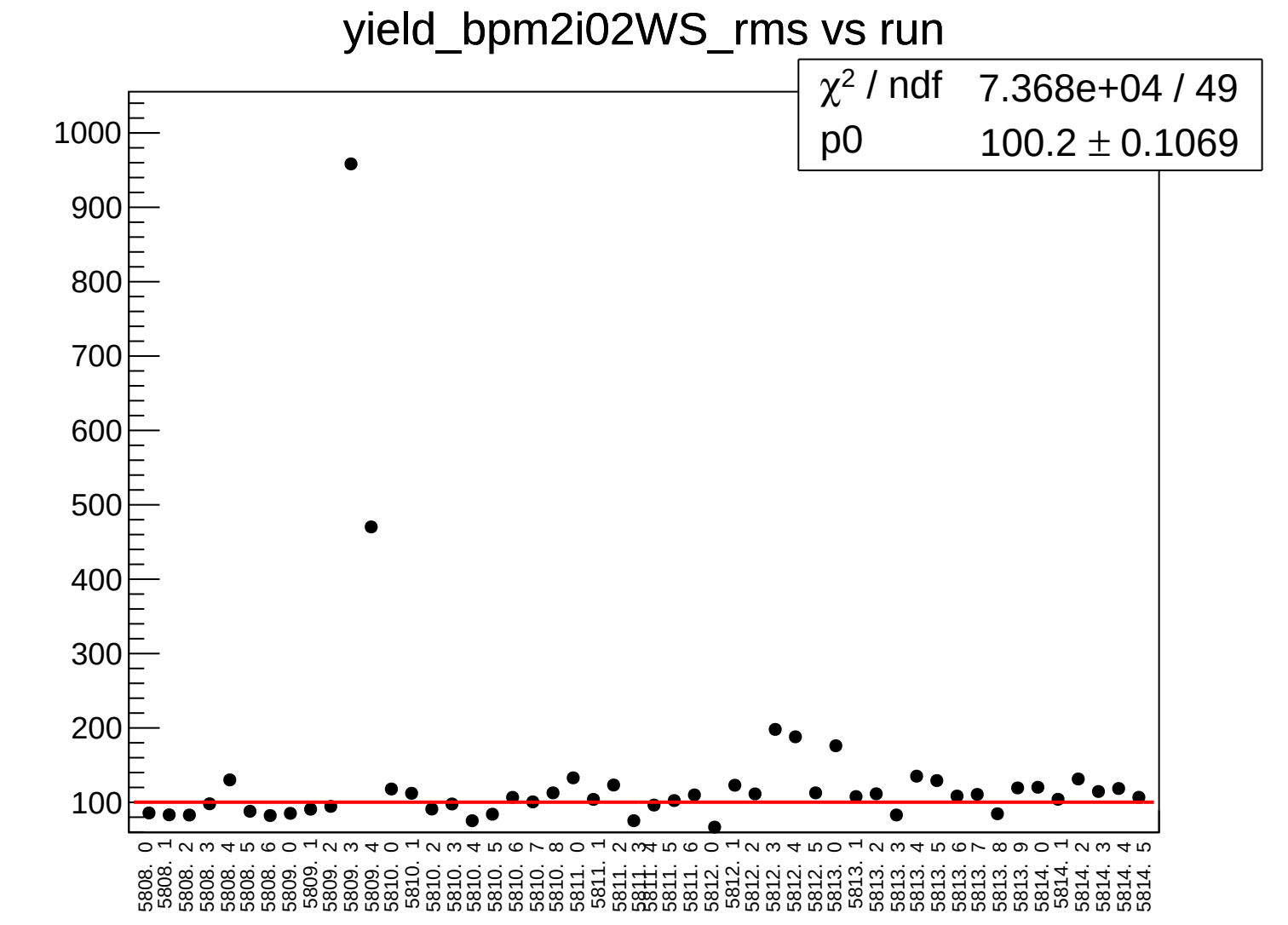

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 2.578e+05 / 49
p0 1.503e+05 ± 0.14
150.4
150.2
150
149.8
149.6
pull
Entries 50
Mean −403.2
Std Dev 0
50
0
−50
−100
−150
−200
−250

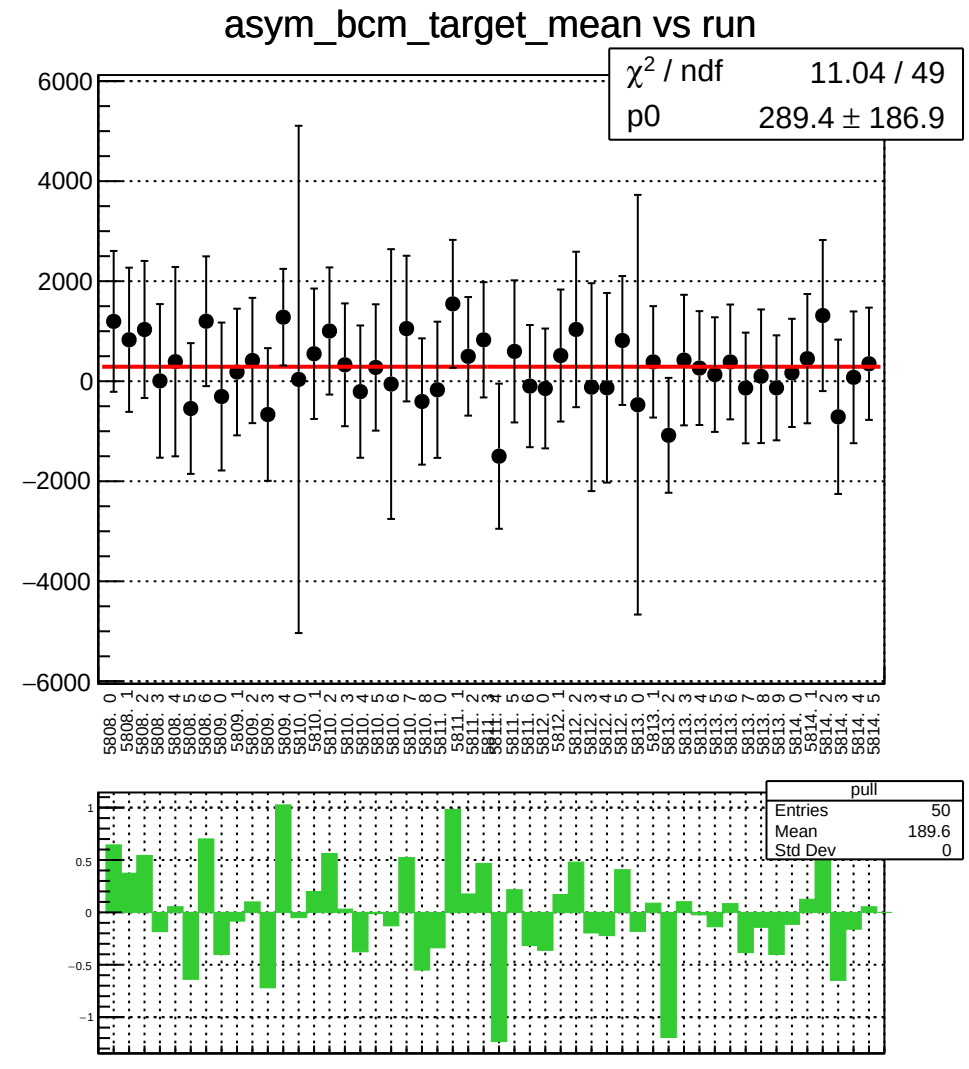

pull1D
Entries 50
Mean 1.533
Std Dev 3.61
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

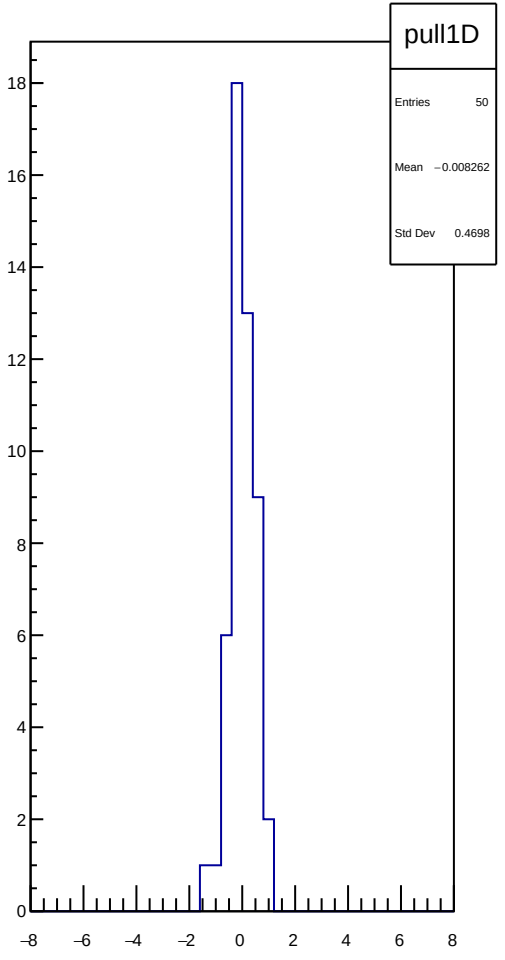

yield_bpm2i01WS_rms vs run
χ² / ndf 7.419e+04 / 49
p0 92.76 ± 0.099
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

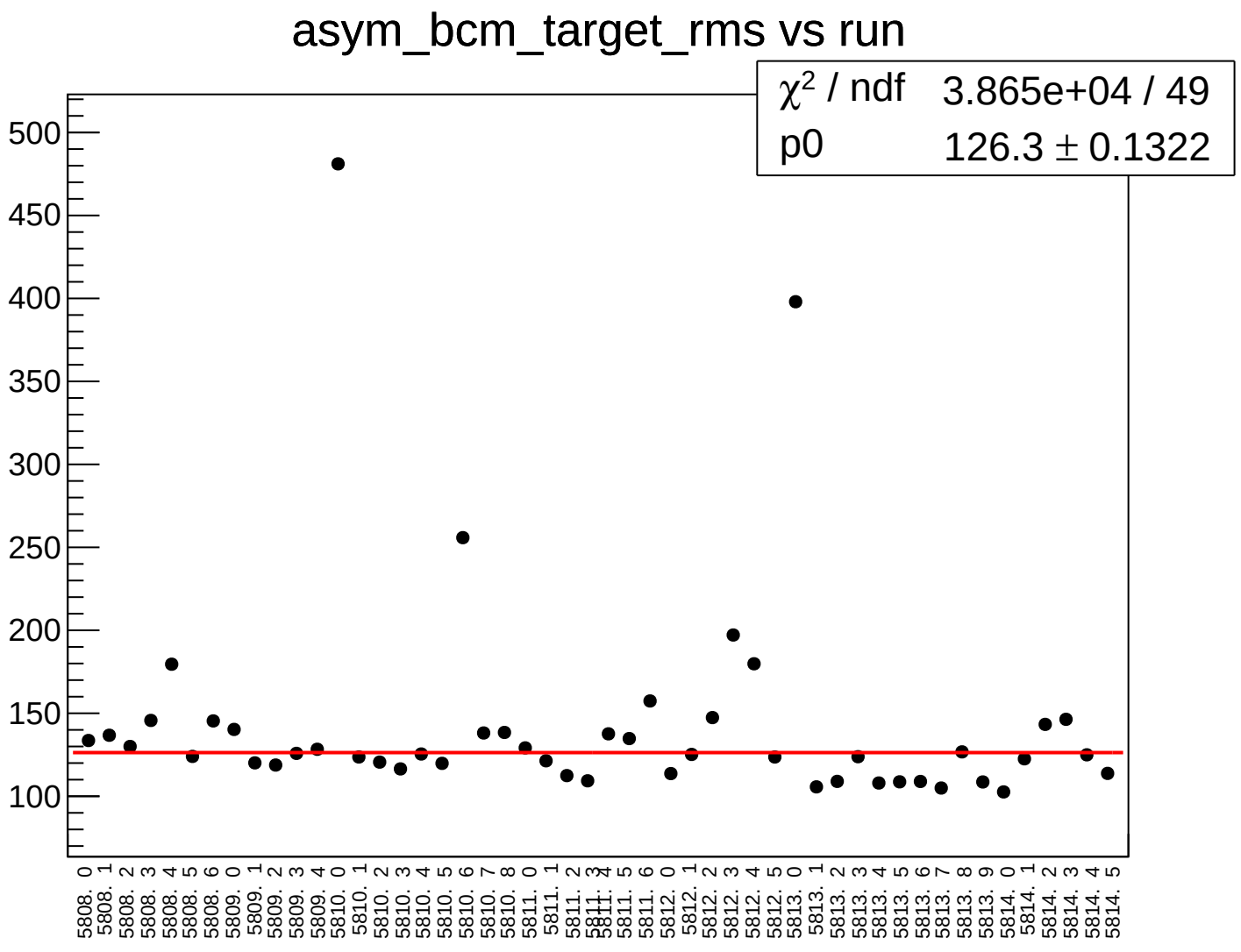

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 6.481e+05 / 49
p0 1.561e+05 ± 0.1512
156.2
156
155.8
155.6
155.4
155.2
155
pull
Entries 50
Mean 298
Std Dev 0
150
100
50
0
−50
−100
−150
−200
−250

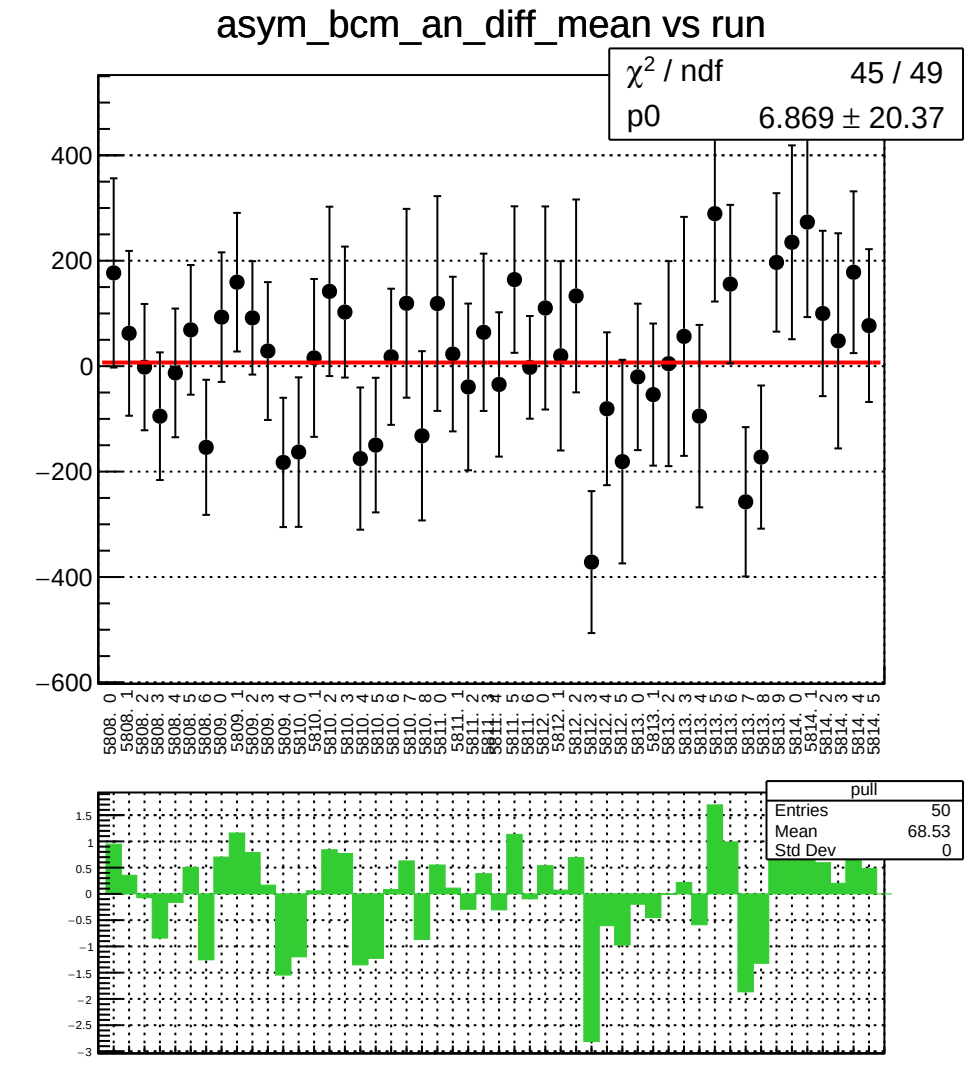

pull1D
Entries 50
Mean −2.898
Std Dev 2.173
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

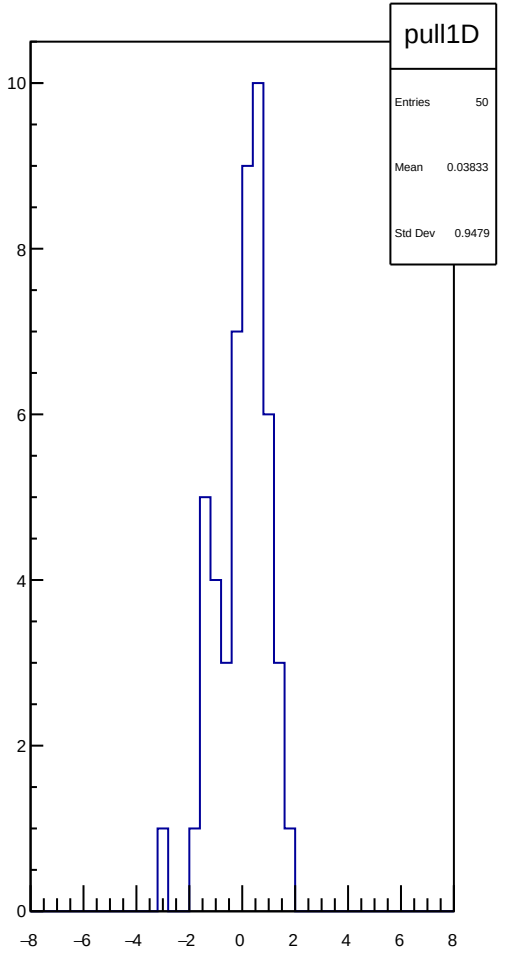

yield_bpm2i02WS_rms vs run
χ² / ndf 7.368e+04 / 49
p0 100.2 ± 0.1069
1000
900
800
700
600
500
400
300
200
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

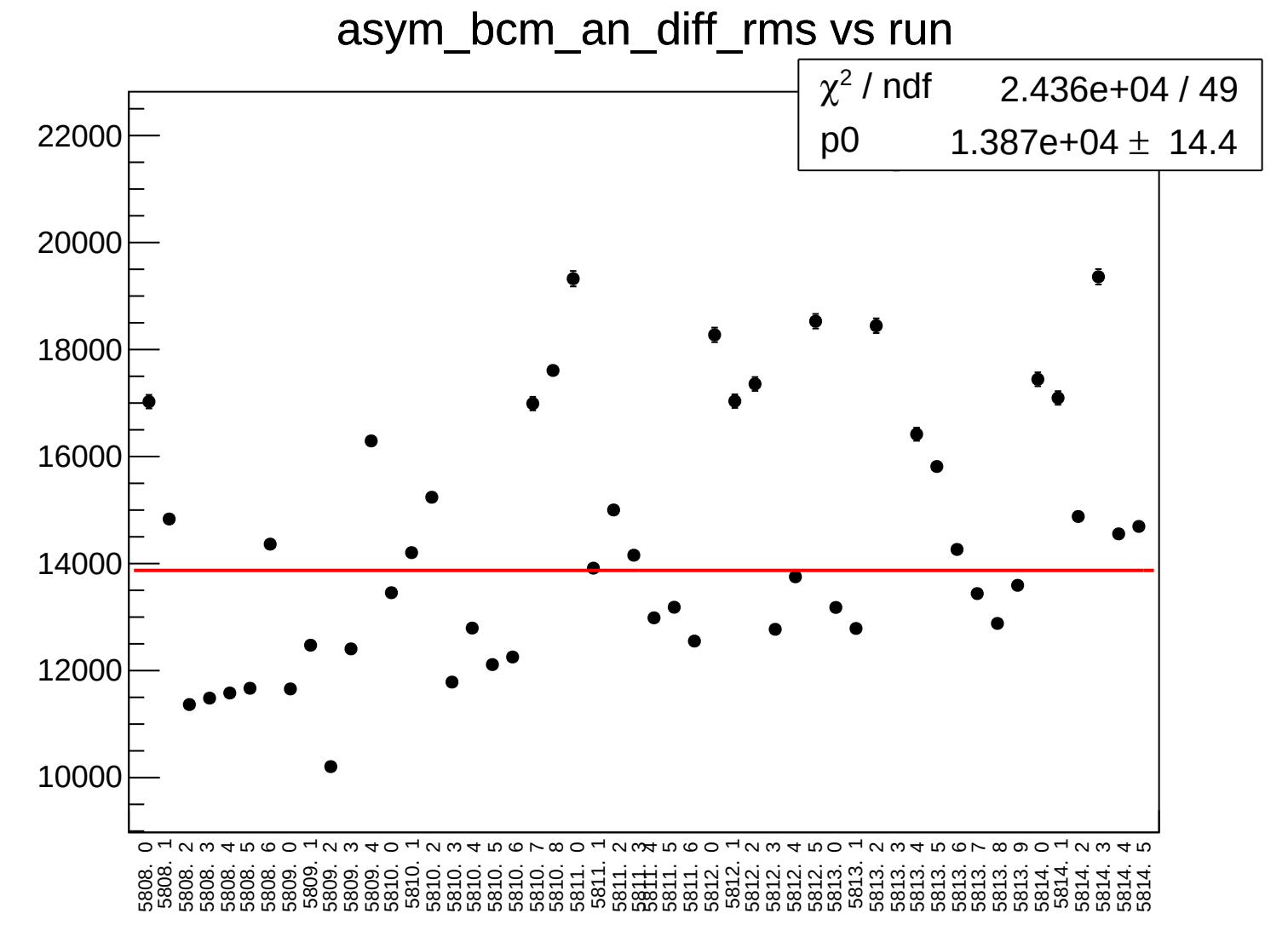

asym_bcm_target_mean vs run
χ² / ndf 11.04 / 49
p0 289.4 ± 186.9
pull
Entries 50
Mean 189.6
Std Dev 0

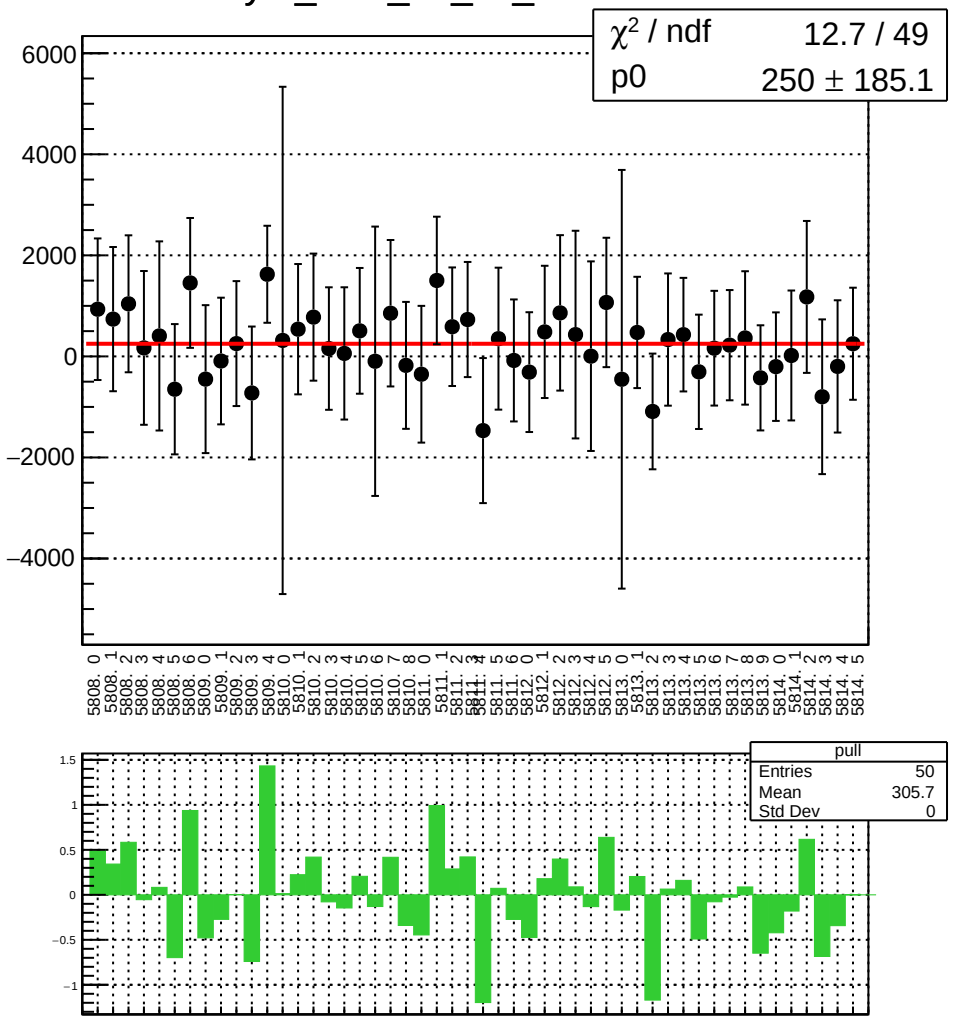

pull1D
Entries 50
Mean −0.008262
Std Dev 0.4698

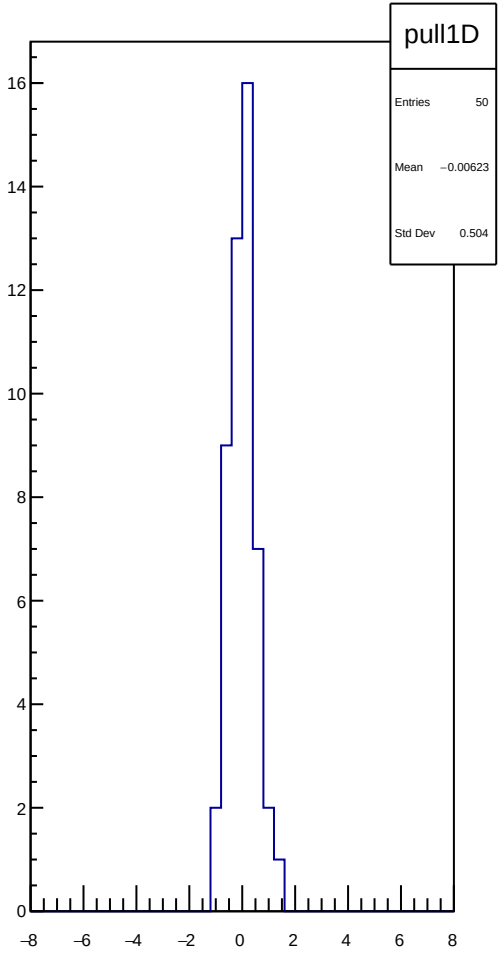

asym_bcm_target_rms vs run
χ² / ndf 3.865e+04 / 49
p0 126.3 ± 0.1322
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

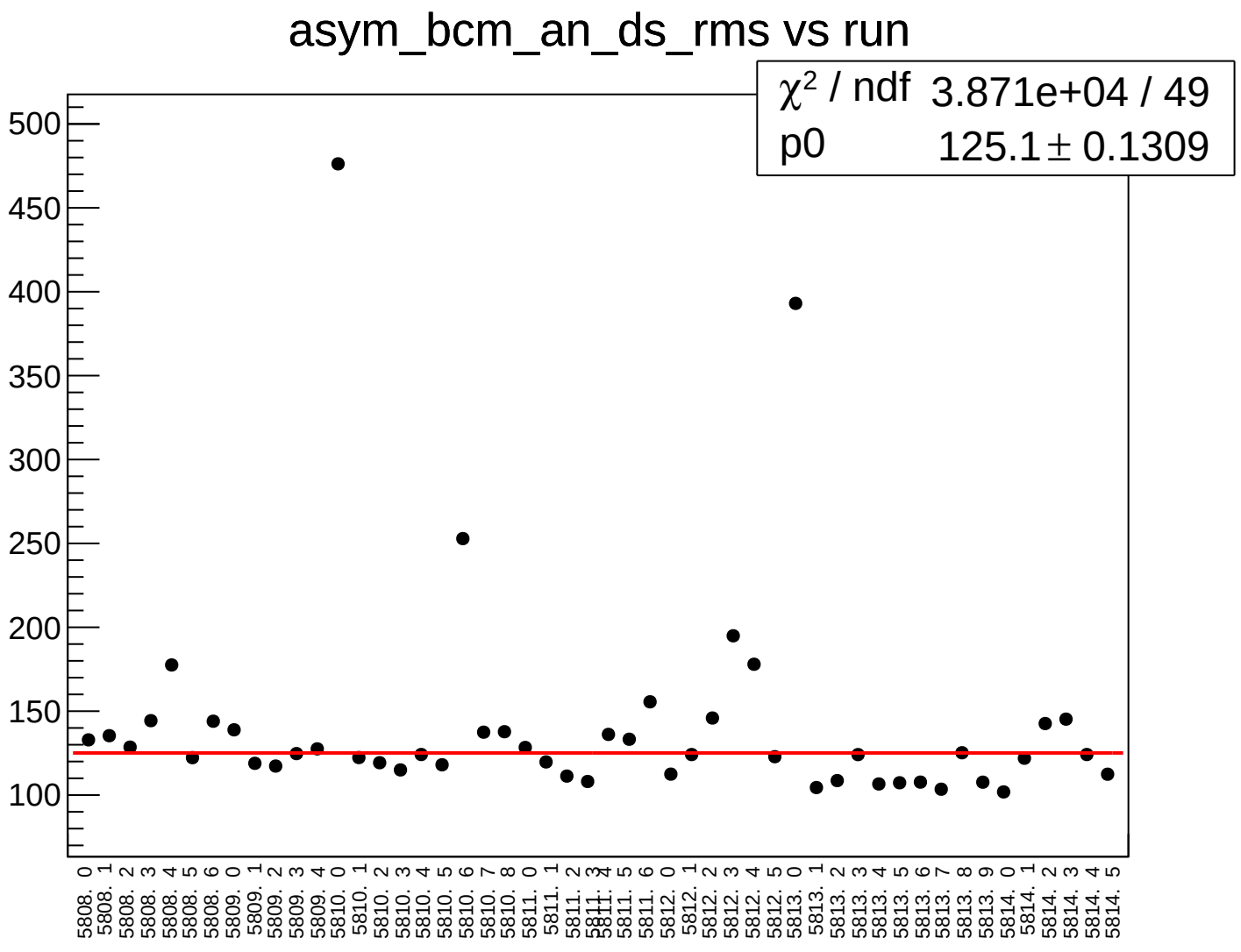

asym_bcm_an_diff_mean vs run
χ² / ndf 45 / 49
p0 6.869 ± 20.37
pull
Entries 50
Mean 68.53
Std Dev 0

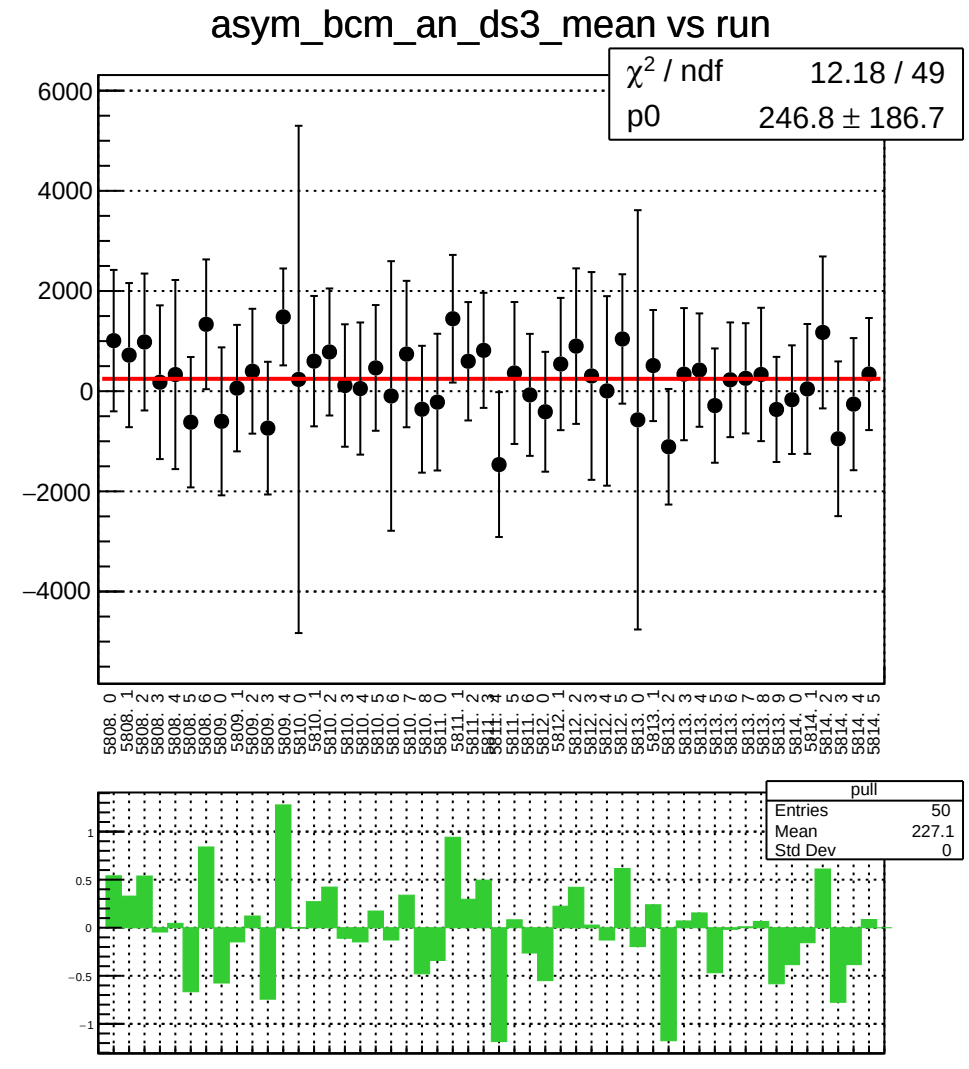

pull1D
Entries 50
Mean 0.03833
Std Dev 0.9479

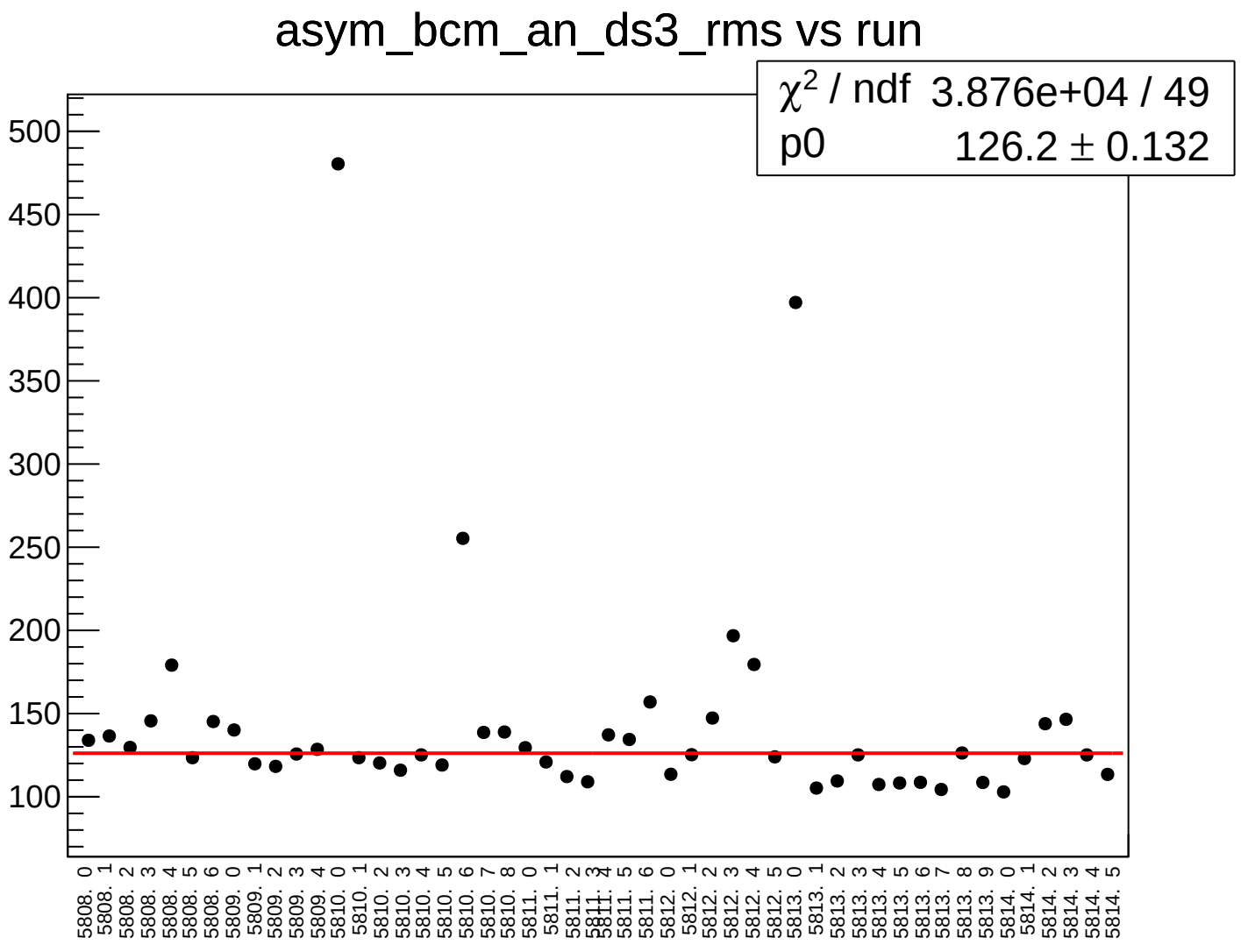

asym_bcm_an_diff_rms vs run
χ² / ndf 2.436e+04 / 49
p0 1.387e+04 ± 14.4
22000
20000
18000
16000
14000
12000
10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

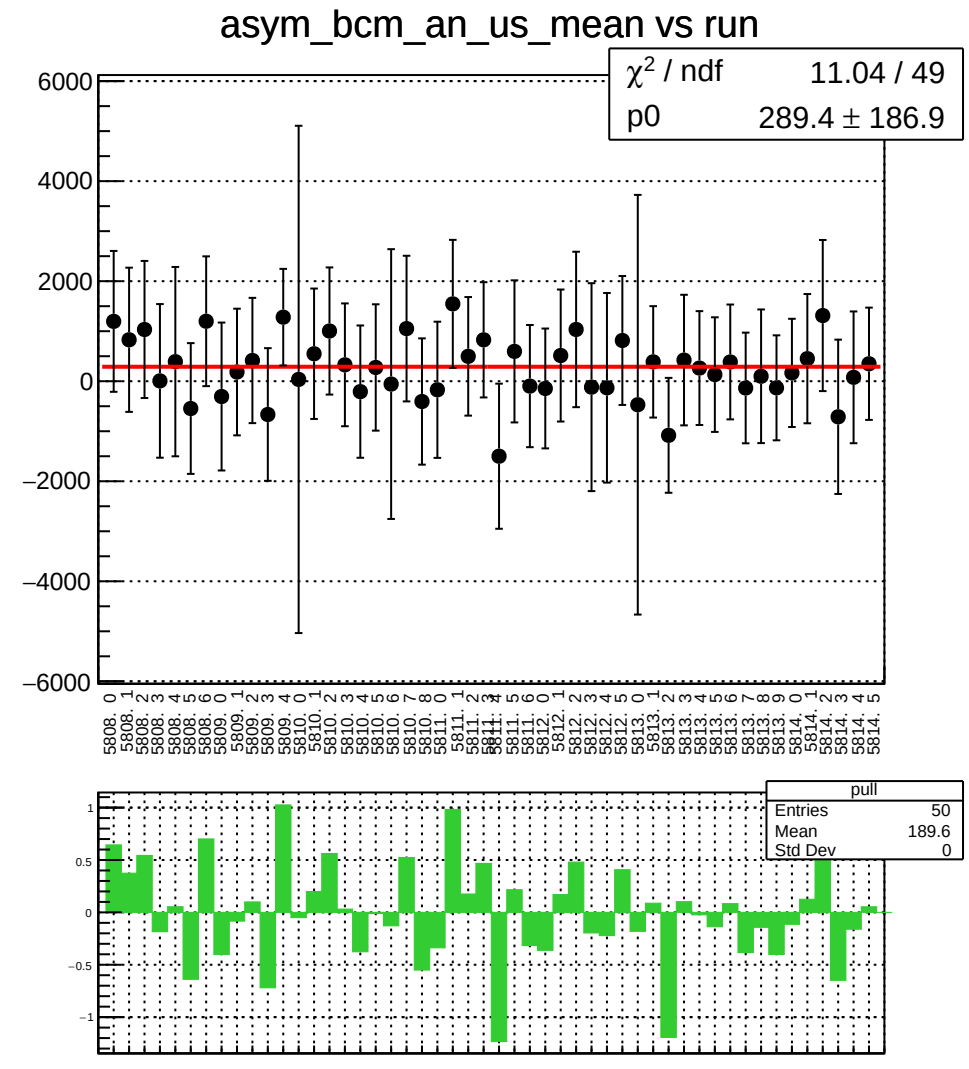

asym_bcm_an_ds_mean vs run
χ² / ndf 12.7 / 49
p0 250 ± 185.1
pull
Entries 50
Mean 305.7
Std Dev 0

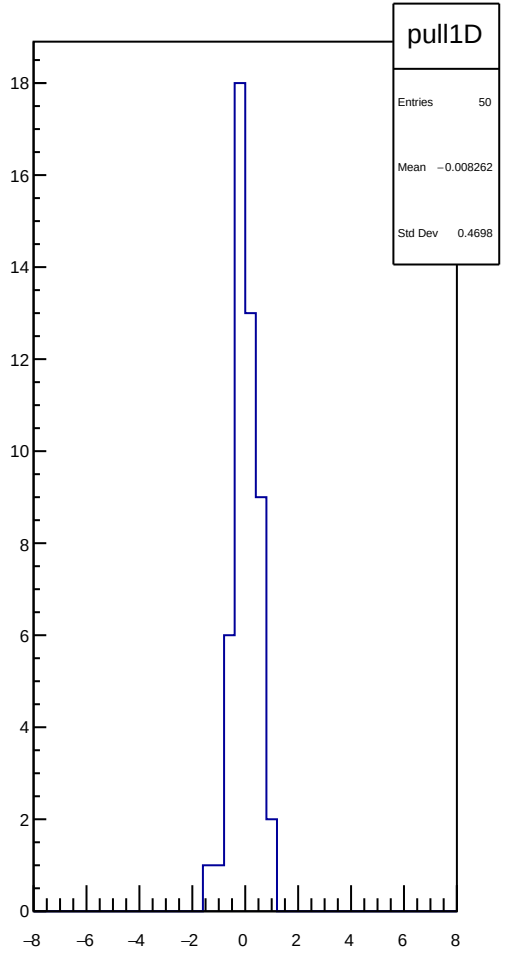

pull1D
Entries 50
Mean −0.00623
Std Dev 0.504

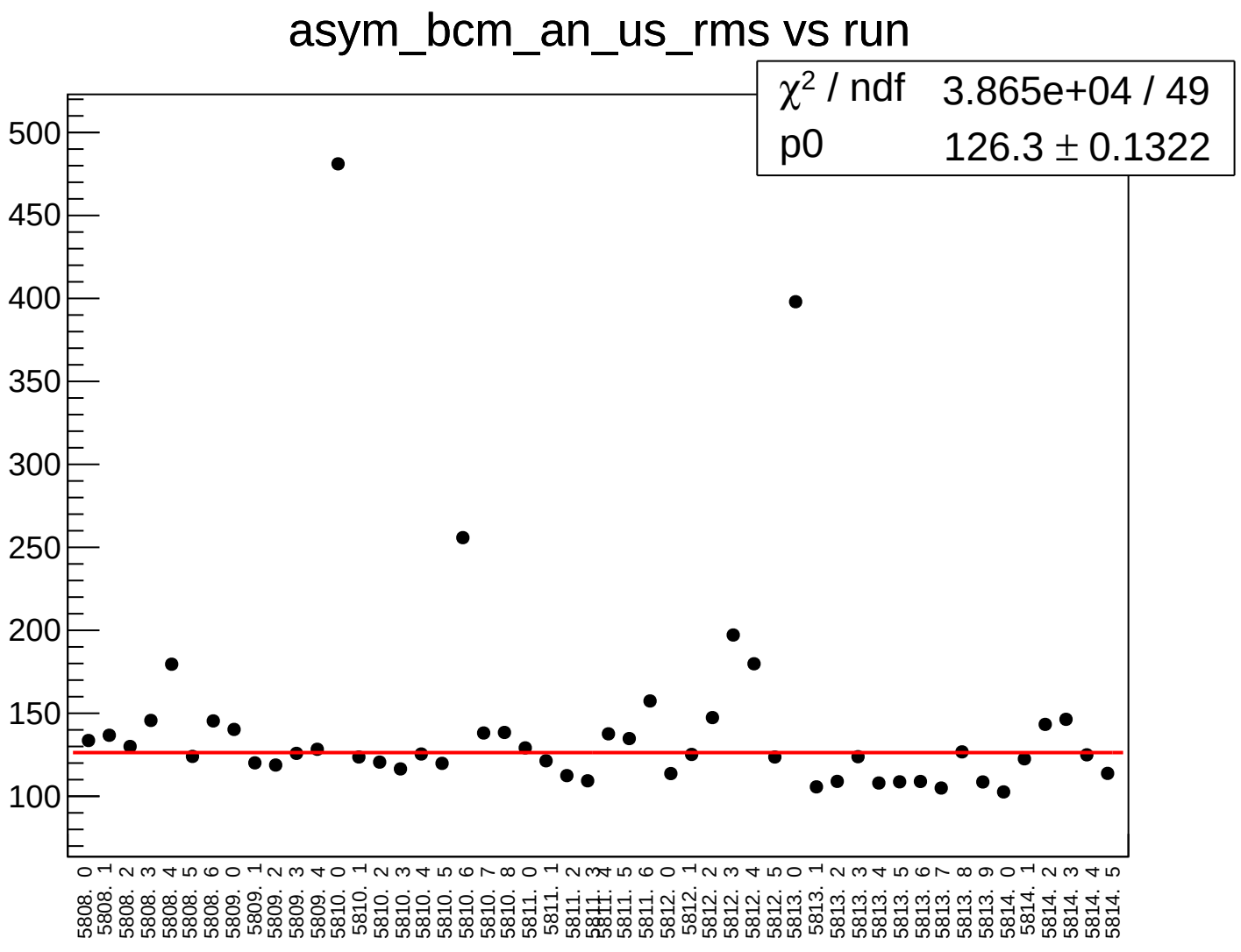

asym_bcm_an_ds_rms vs run
χ² / ndf 3.871e+04 / 49
p0 125.1 ± 0.1309
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

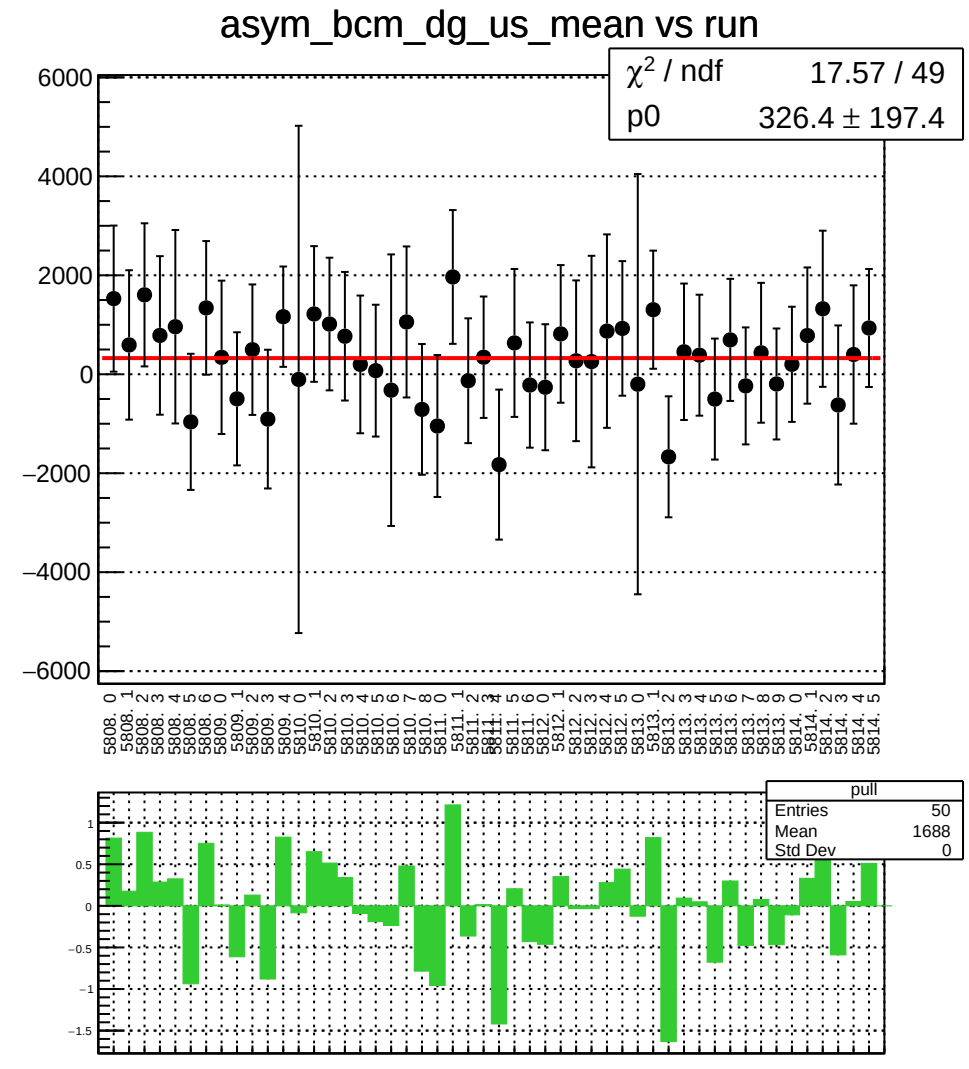

asym_bcm_an_ds3_mean vs run
χ² / ndf 12.18 / 49
p0 246.8 ± 186.7
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 227.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.008151
Std Dev 0.4934
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

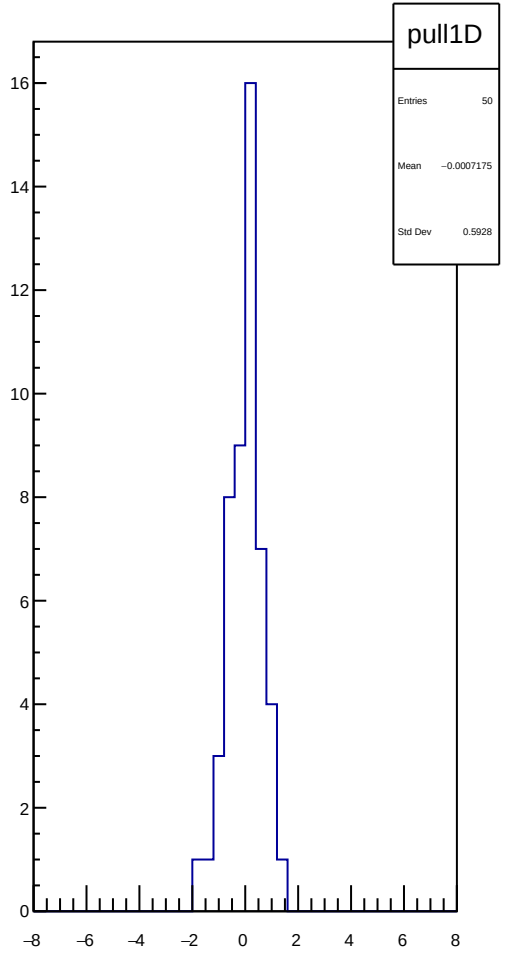

asym_bcm_an_ds3_rms vs run
χ² / ndf 3.876e+04 / 49
p0 126.2 ± 0.132
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

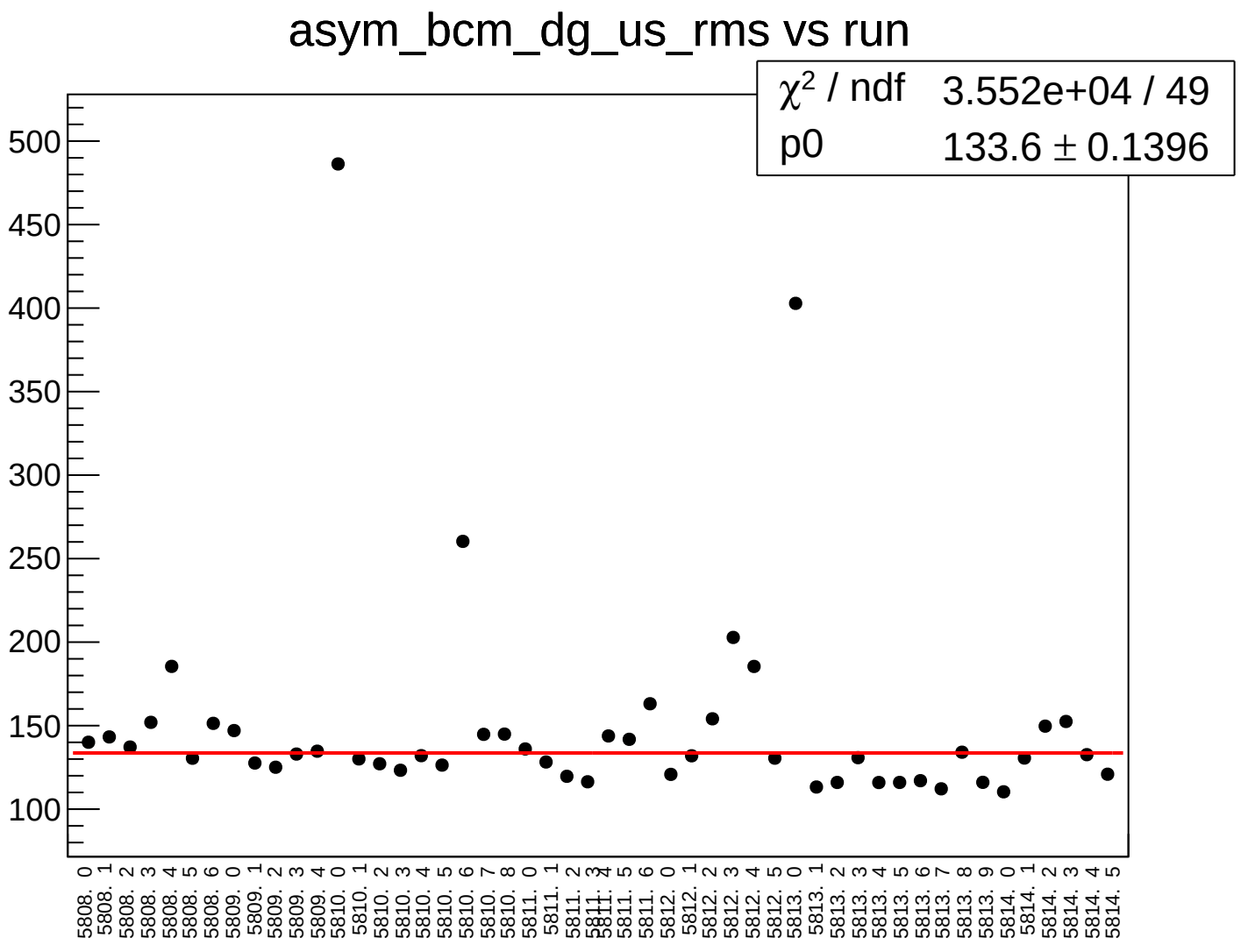

asym_bcm_an_us_mean vs run
χ² / ndf 11.04 / 49
p0 289.4 ± 186.9
pull
Entries 50
Mean 189.6
Std Dev 0

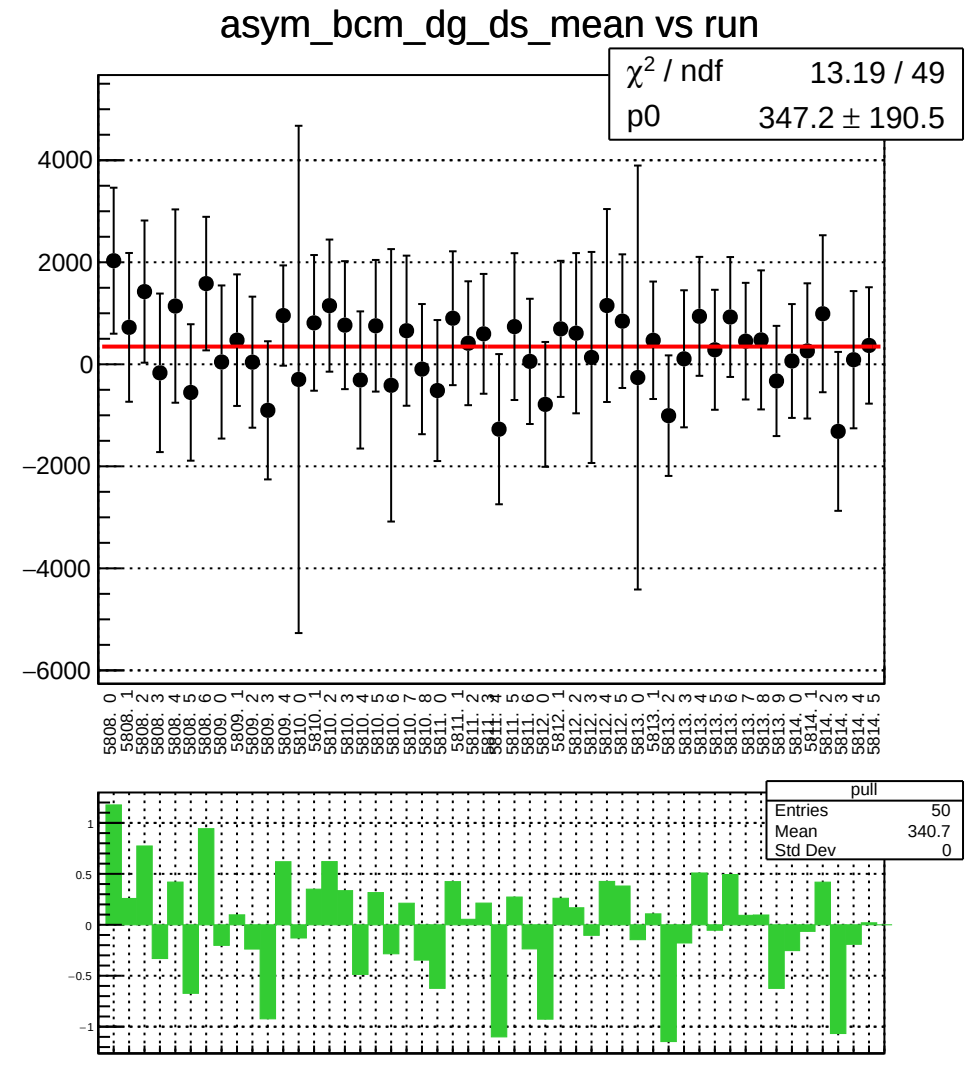

pull1D
Entries 50
Mean −0.008262
Std Dev 0.4698

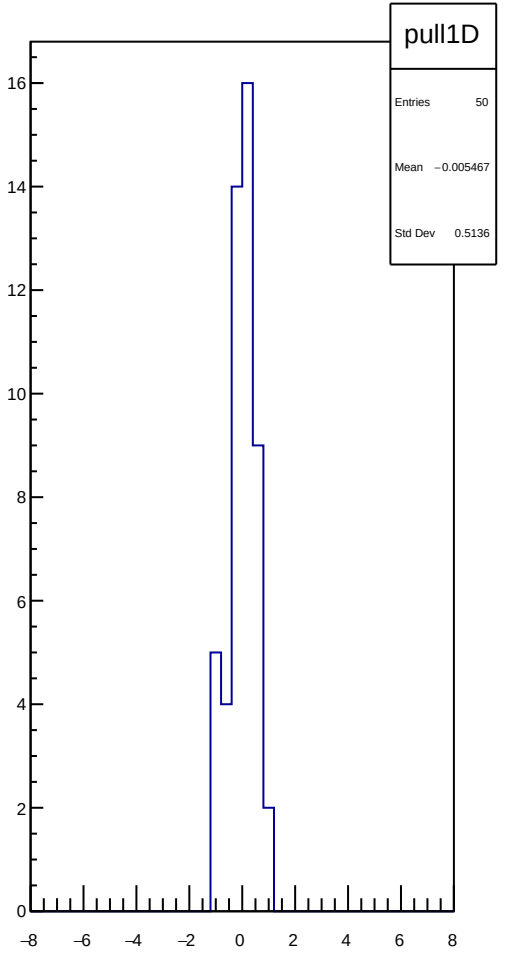

asym_bcm_an_us_rms vs run
χ² / ndf 3.865e+04 / 49
p0 126.3 ± 0.1322
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

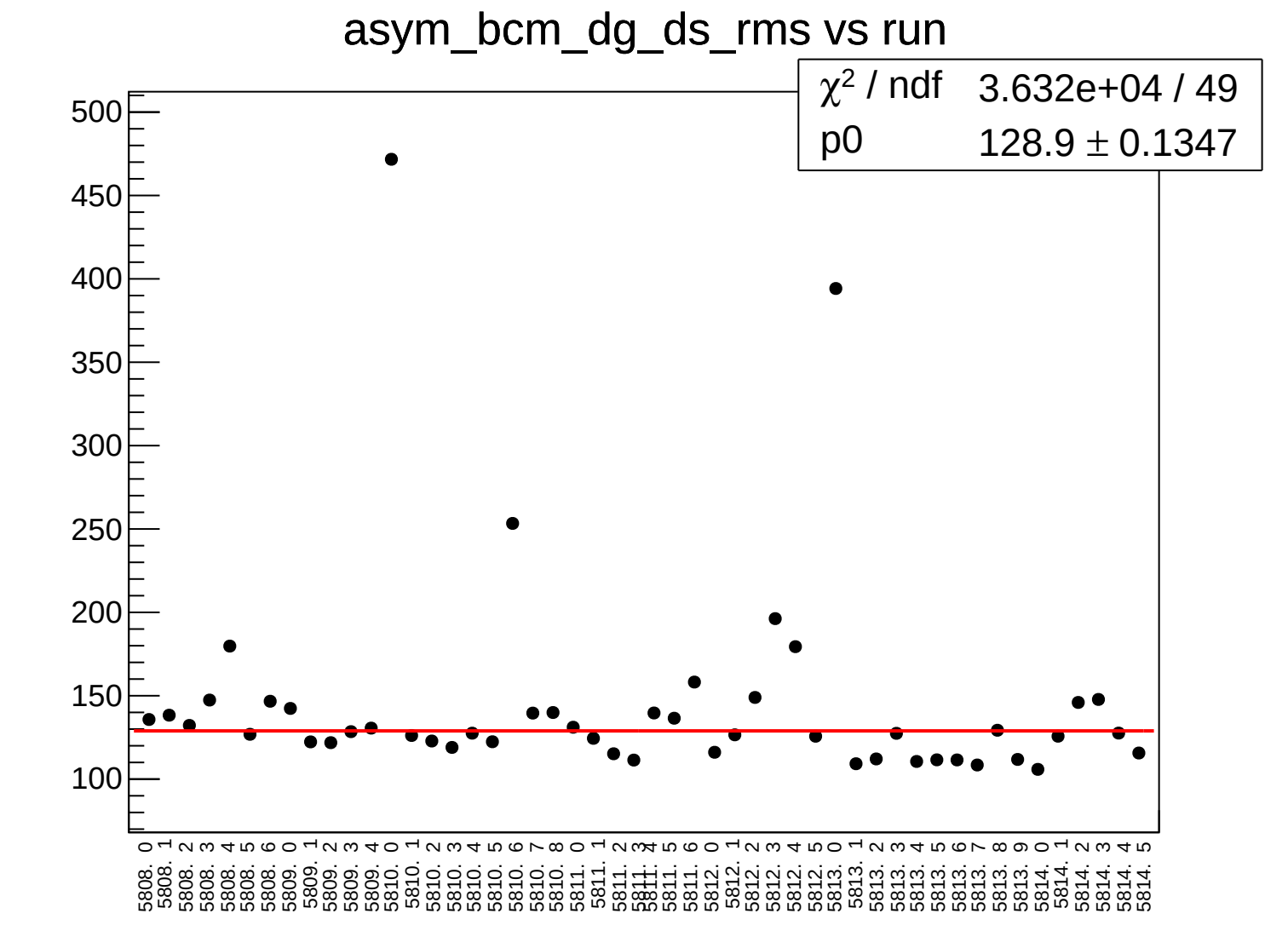

asym_bcm_dg_us_mean vs run
χ² / ndf 17.57 / 49
p0 326.4 ± 197.4
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 1688
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

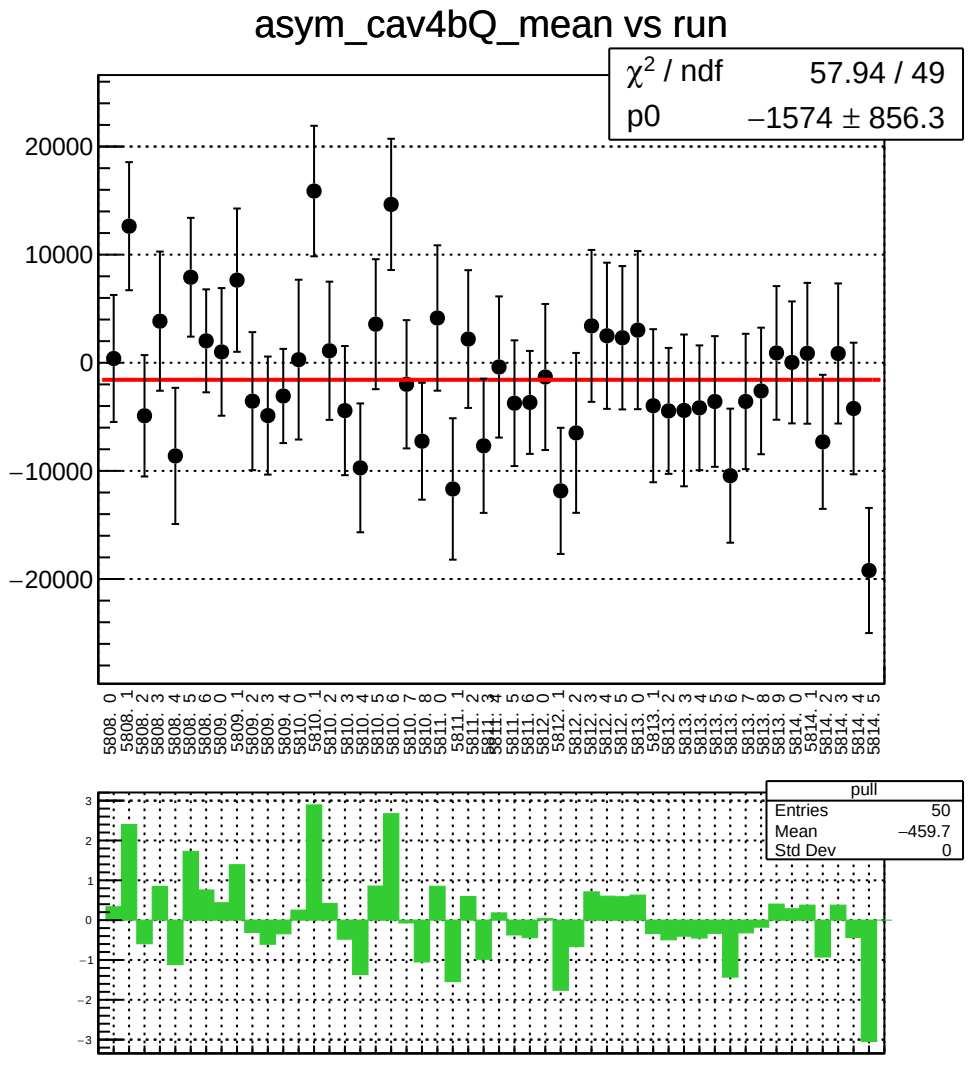

pull1D
Entries 50
Mean −0.0007175
Std Dev 0.5928
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

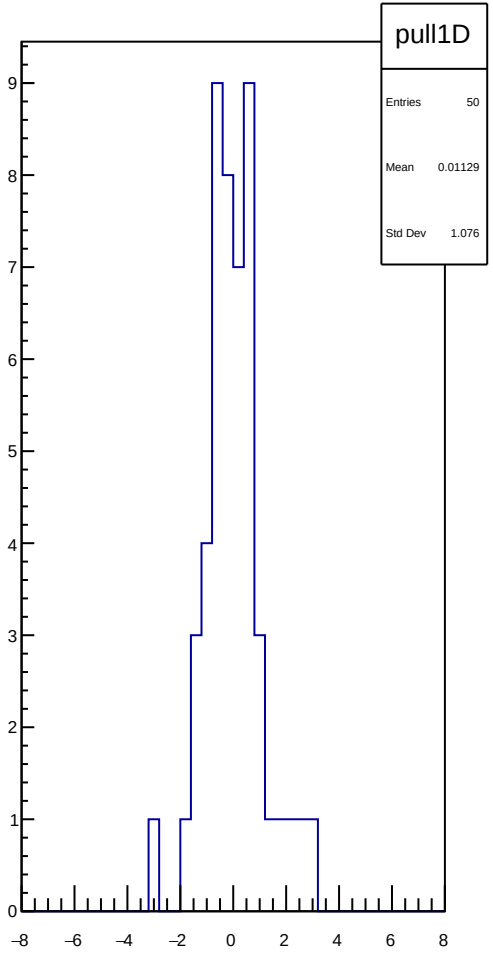

asym_bcm_dg_us_rms vs run
χ² / ndf 3.552e+04 / 49
p0 133.6 ± 0.1396
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

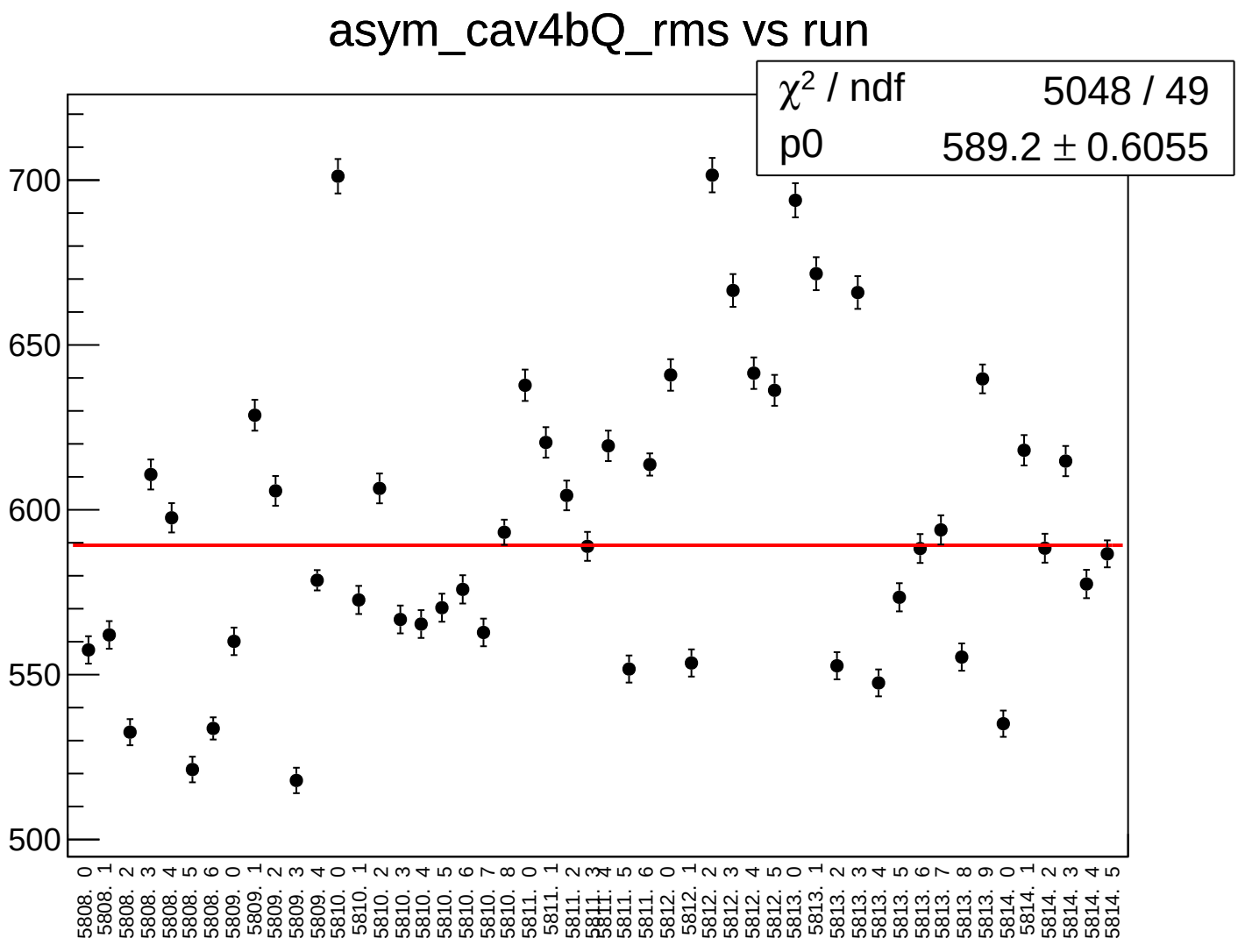

asym_bcm_dg_ds_mean vs run
χ² / ndf 13.19 / 49
p0 347.2 ± 190.5
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 340.7
Std Dev 0
1
0.5
0
−0.5
−1

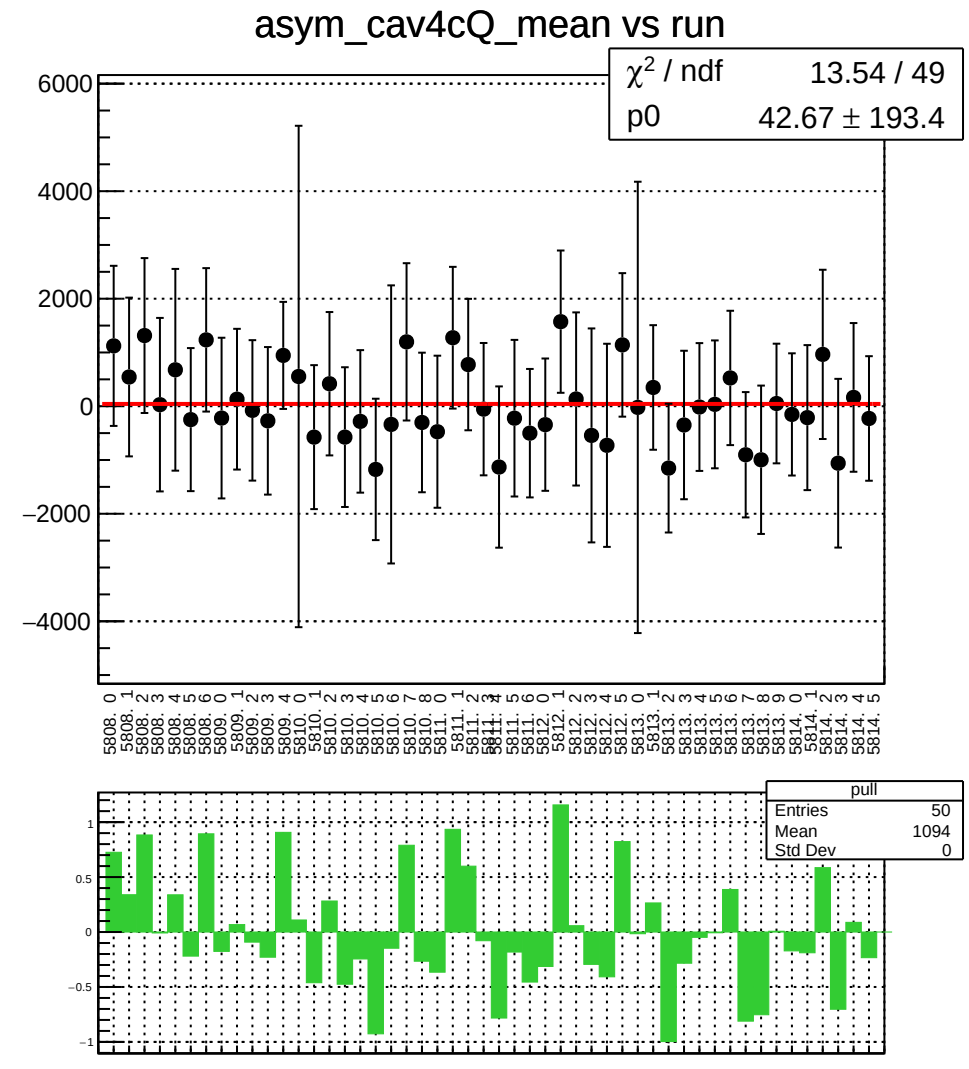

pull1D
Entries 50
Mean −0.005467
Std Dev 0.5136
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

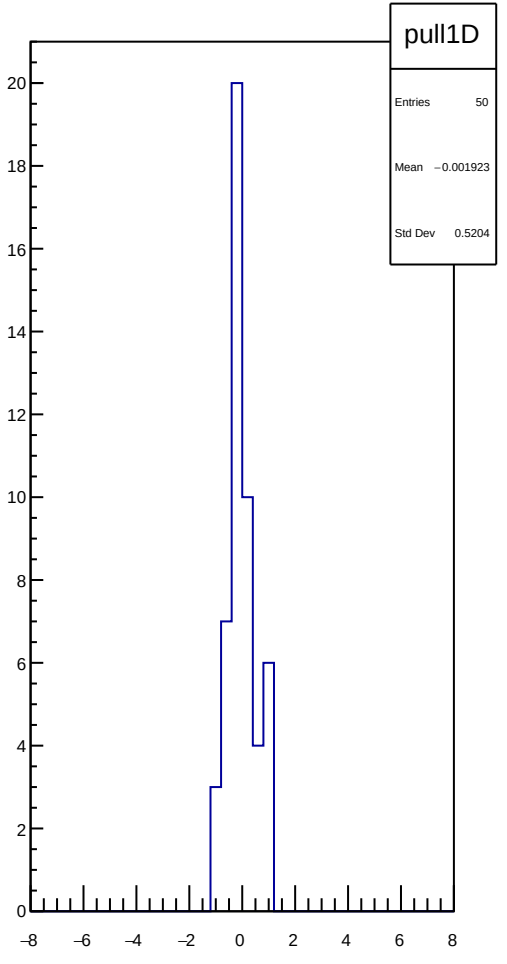

asym_bcm_dg_ds_rms vs run
χ² / ndf 3.632e+04 / 49
p0 128.9 ± 0.1347
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

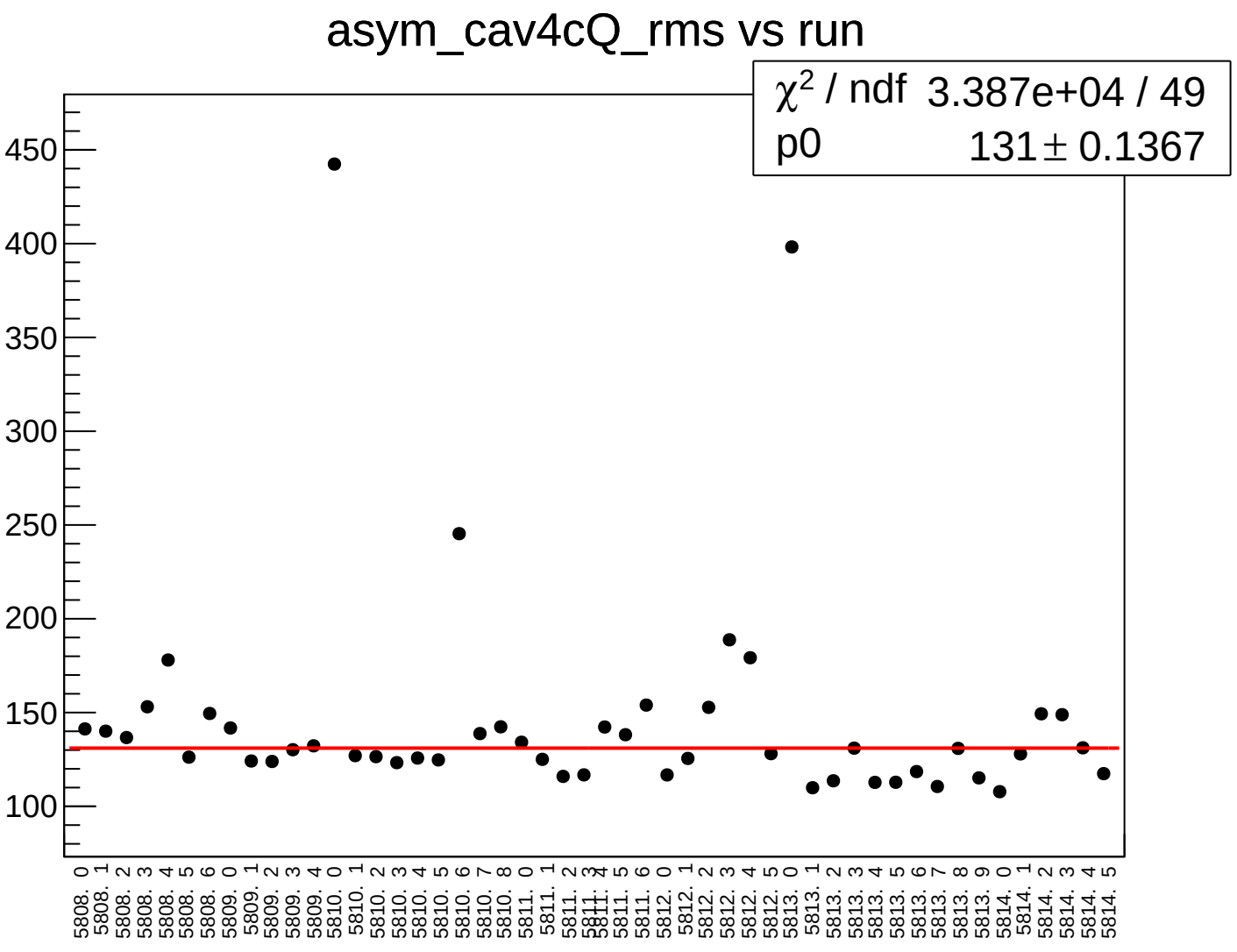

asym_cav4bQ_mean vs run
χ² / ndf 57.94 / 49
p0 −1574 ± 856.3
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −459.7
Std Dev 0
3
2
1
0
−1
−2
−3

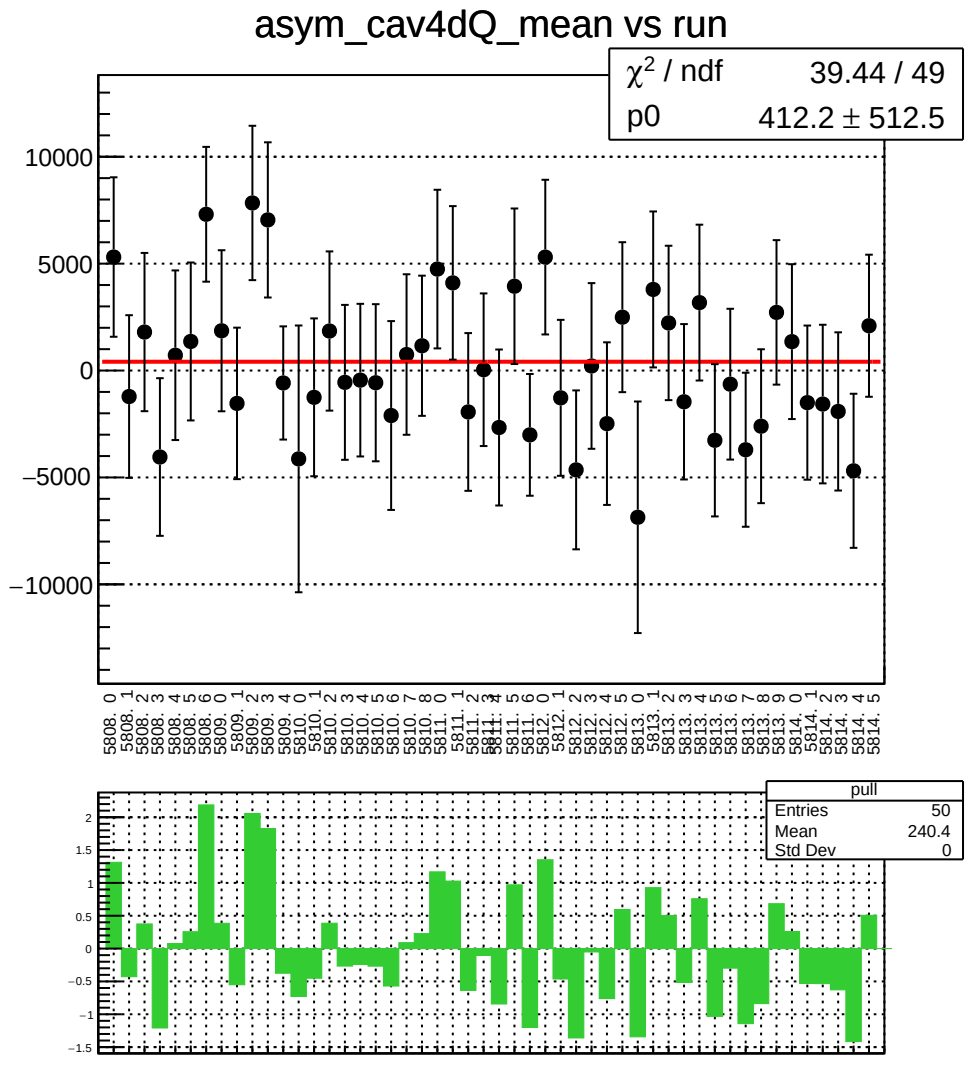

pull1D
Entries 50
Mean 0.01129
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

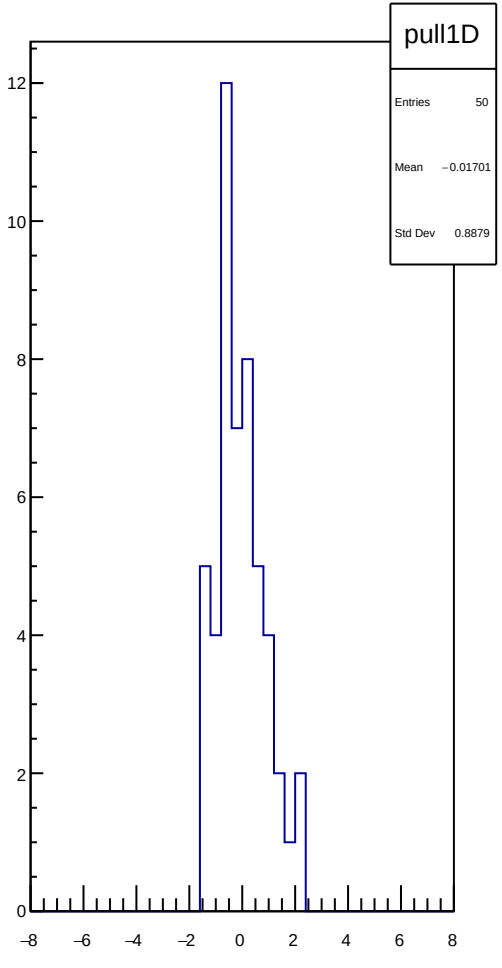

asym_cav4bQ_rms vs run
χ² / ndf 5048 / 49
p0 589.2 ± 0.6055
700
650
600
550
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

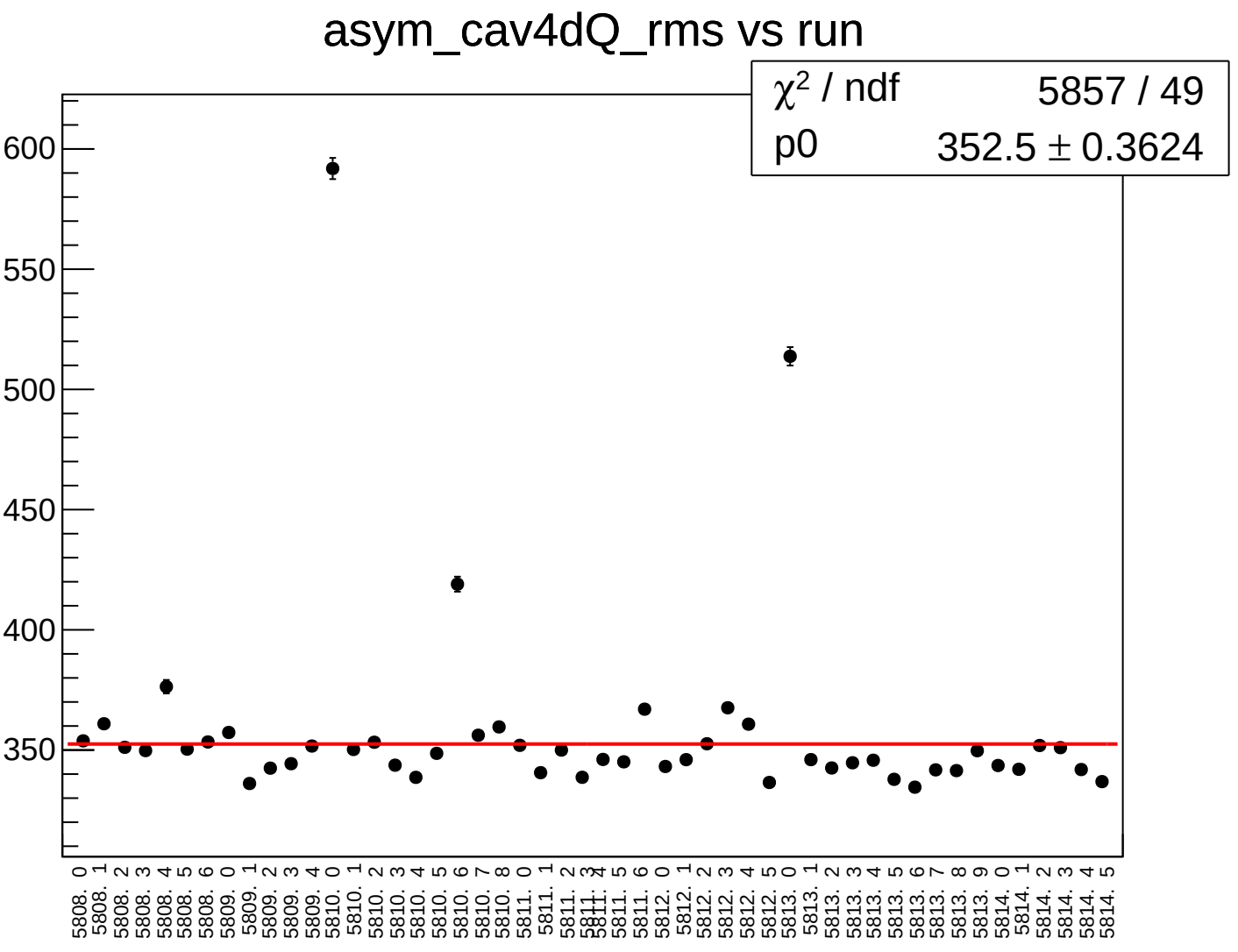

asym_cav4cQ_mean vs run
χ² / ndf 13.54 / 49
p0 42.67 ± 193.4
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1094
Std Dev 0
1
0.5
0
−0.5
−1

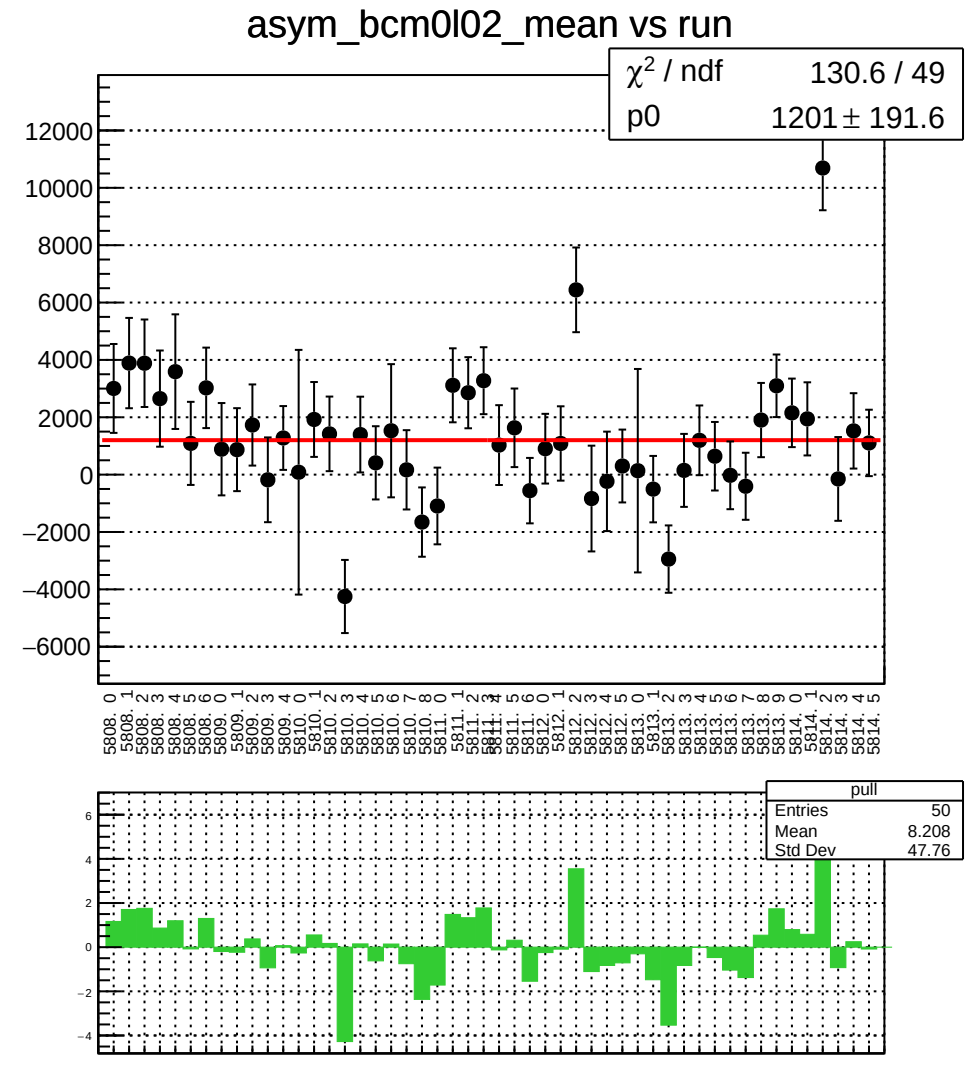

pull1D
Entries 50
Mean −0.001923
Std Dev 0.5204
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

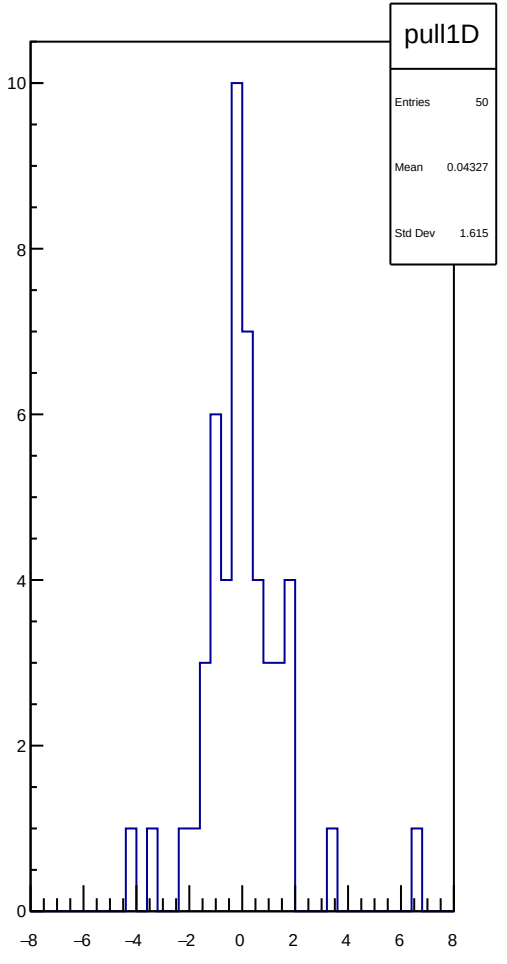

asym_cav4cQ_rms vs run
χ^2 / ndf 3.387e+04 / 49
p0 131 ± 0.1367
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

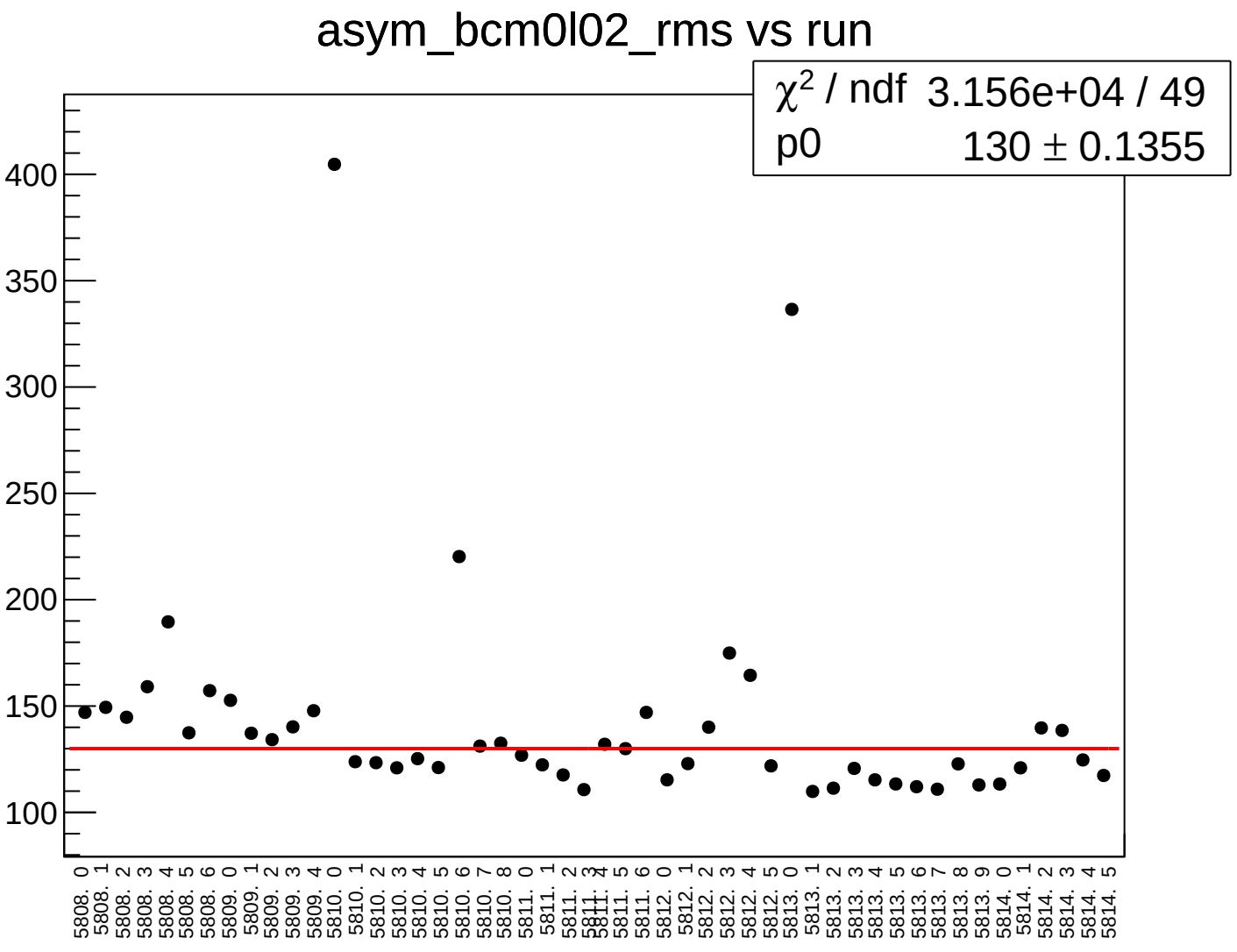

asym_cav4dQ_mean vs run
χ² / ndf 39.44 / 49
p0 412.2 ± 512.5
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 240.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.01701
Std Dev 0.8879
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_cav4dQ_rms vs run
χ² / ndf 5857 / 49
p0 352.5 ± 0.3624
600
550
500
450
400
350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm0l02_mean vs run
χ² / ndf 130.6 / 49
p0 1201 ± 191.6
pull
Entries 50
Mean 8.208
Std Dev 47.76


pull1D
Entries 50
Mean 0.04327
Std Dev 1.615


asym_bcm0l02_rms vs run
χ² / ndf 3.156e+04 / 49
p0 130 ± 0.1355
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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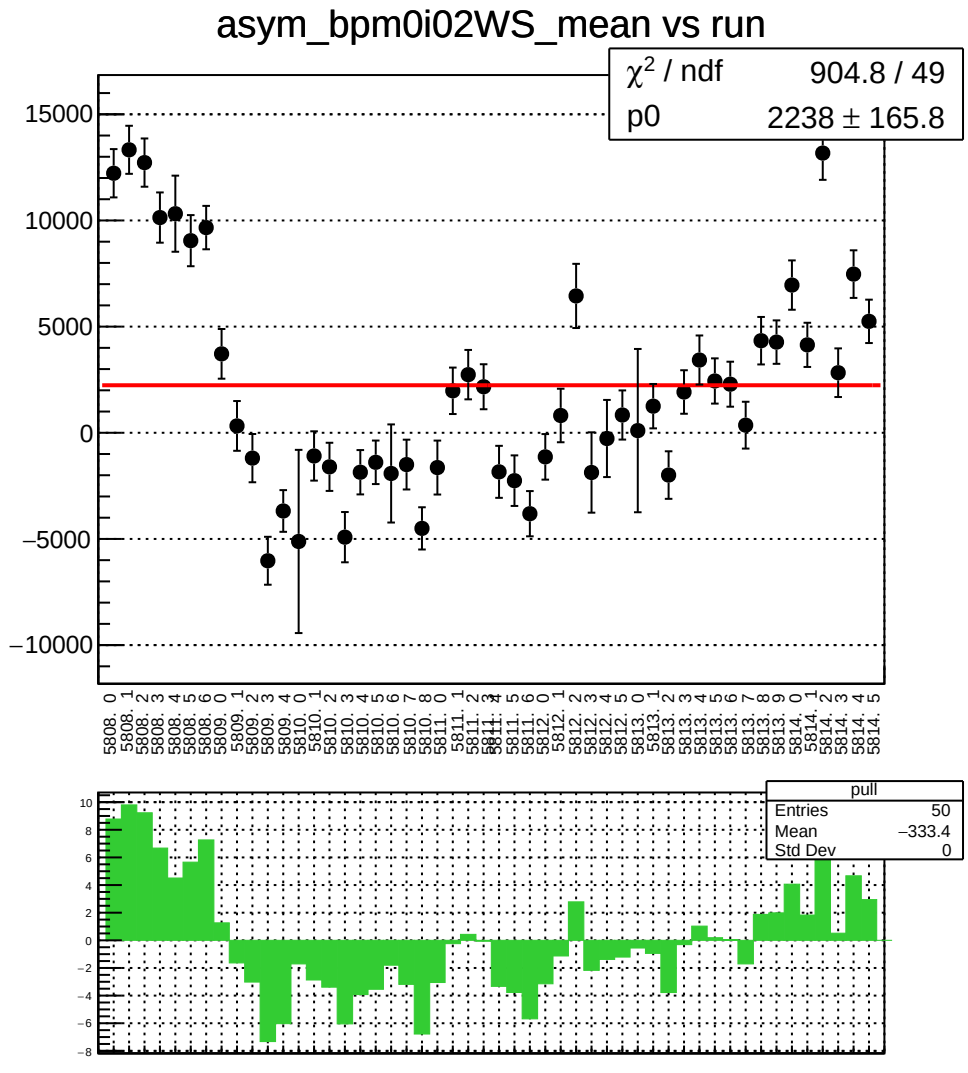
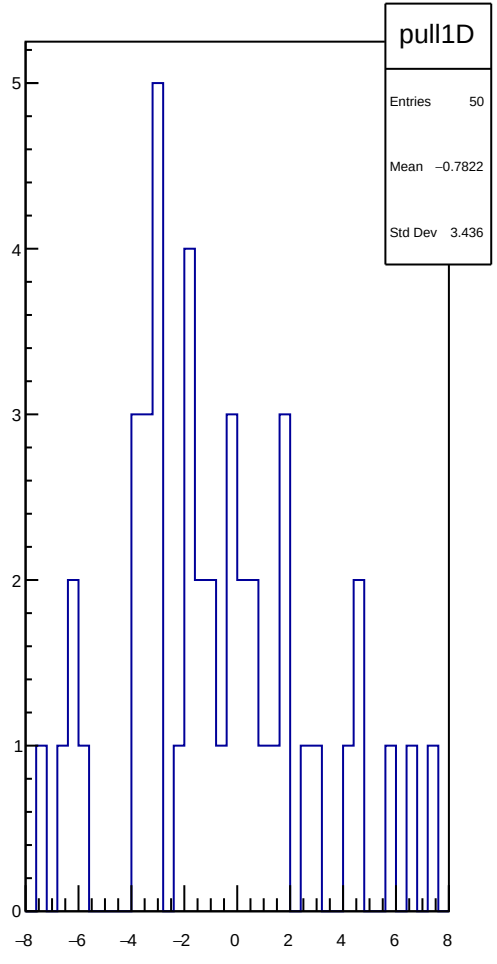
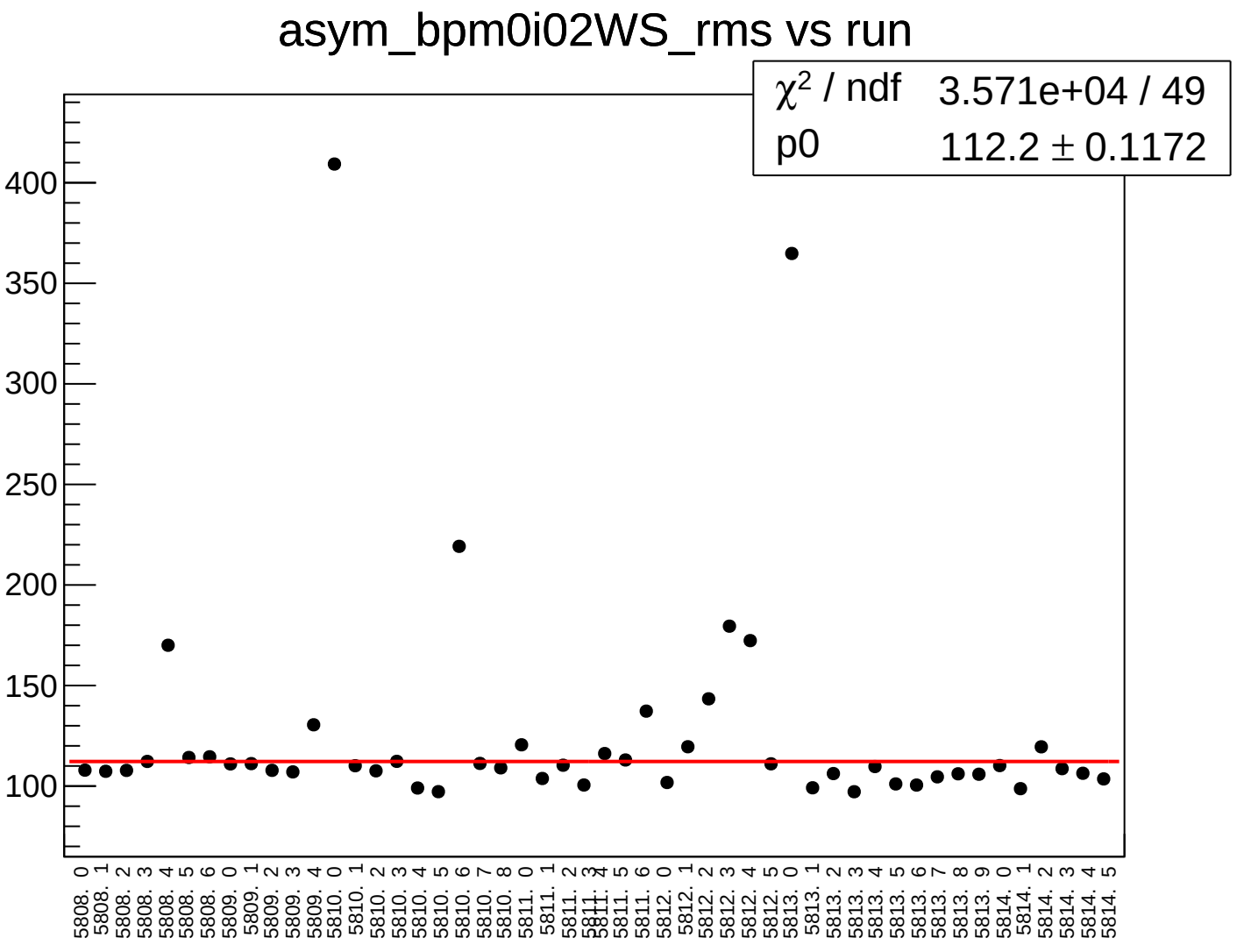
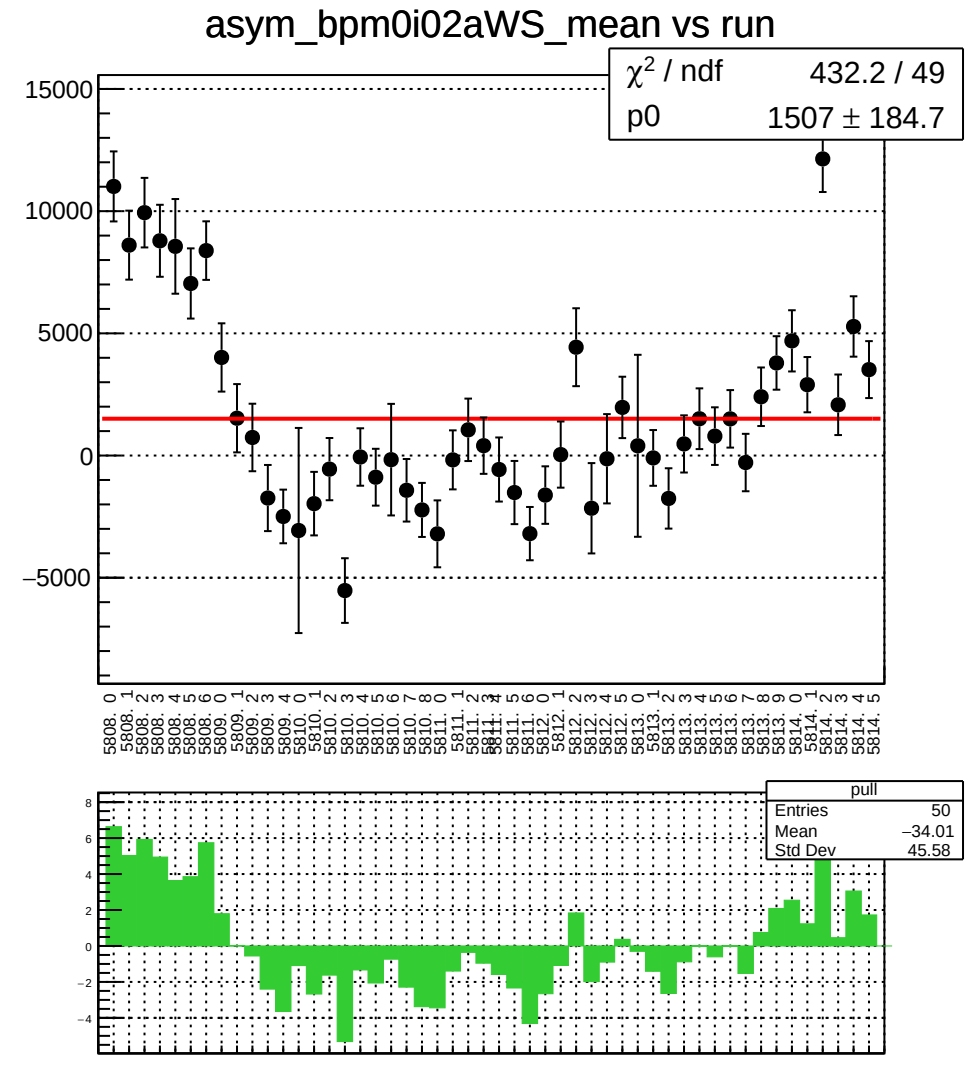
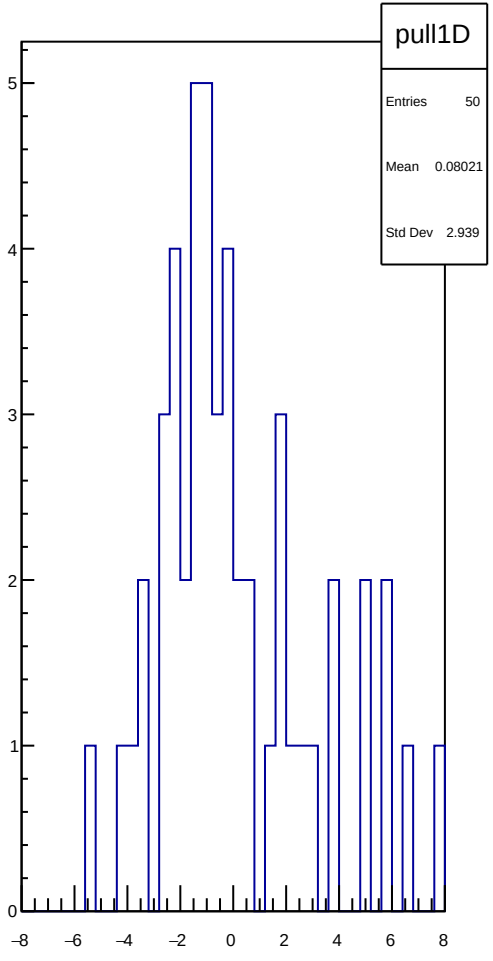
5814. 2
5814. 3
5814. 4
5814. 5

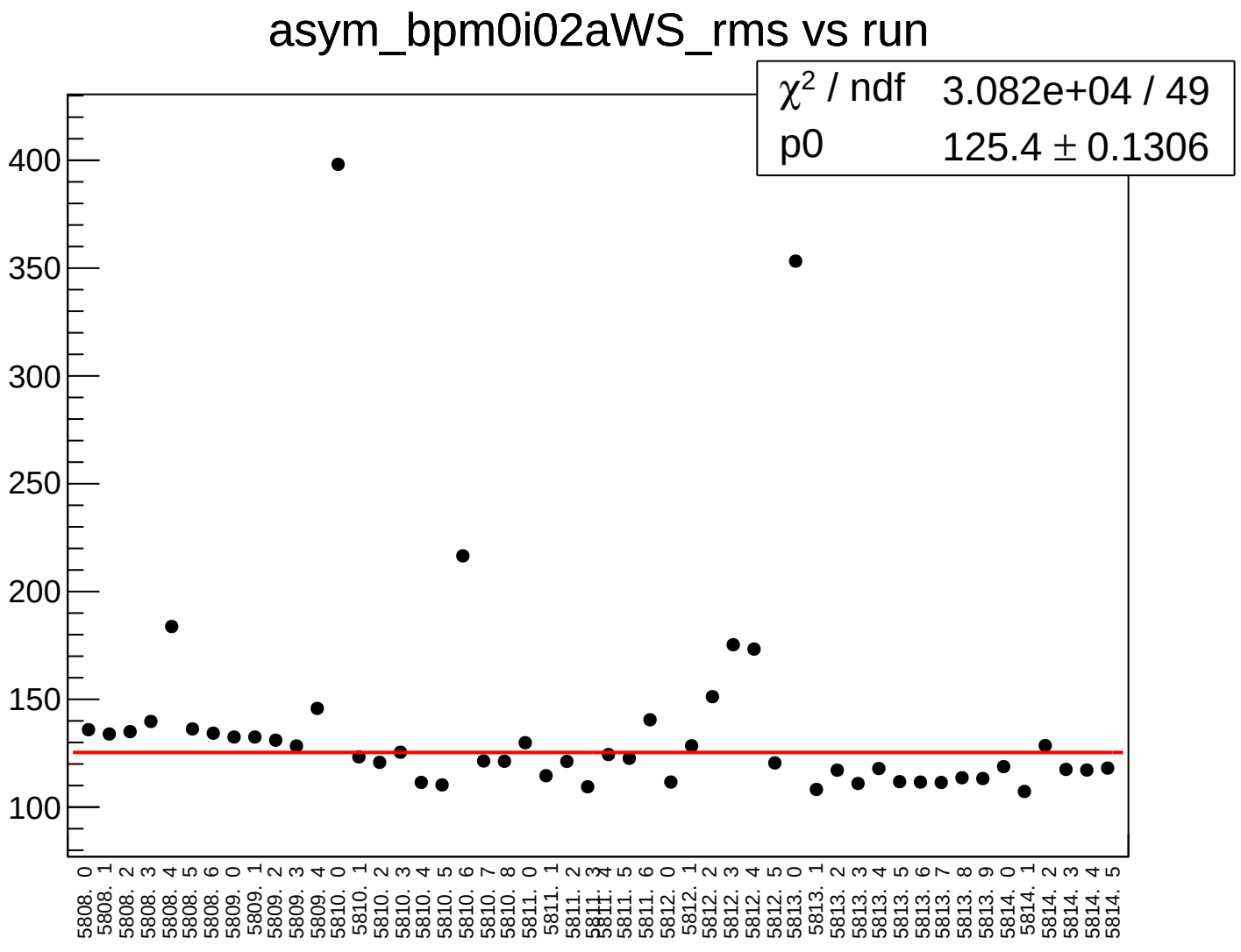

asym_bpm0i02WS_mean vs run
χ² / ndf 904.8 / 49
p0 2238 ± 165.8
15000
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −333.4
Std Dev 0
10
8
6
4
2
0
−2
−4
−6
−8

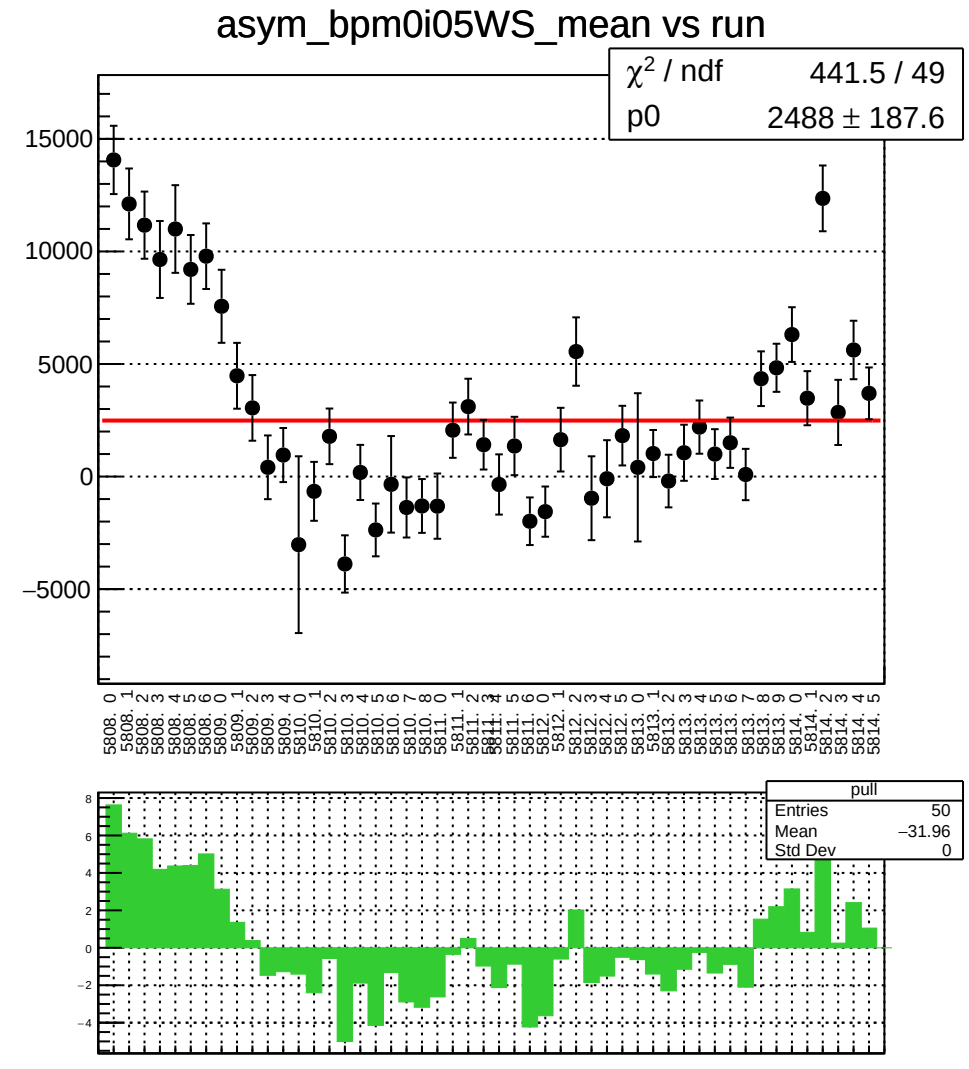

pull1D
Entries 50
Mean −0.7822
Std Dev 3.436
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

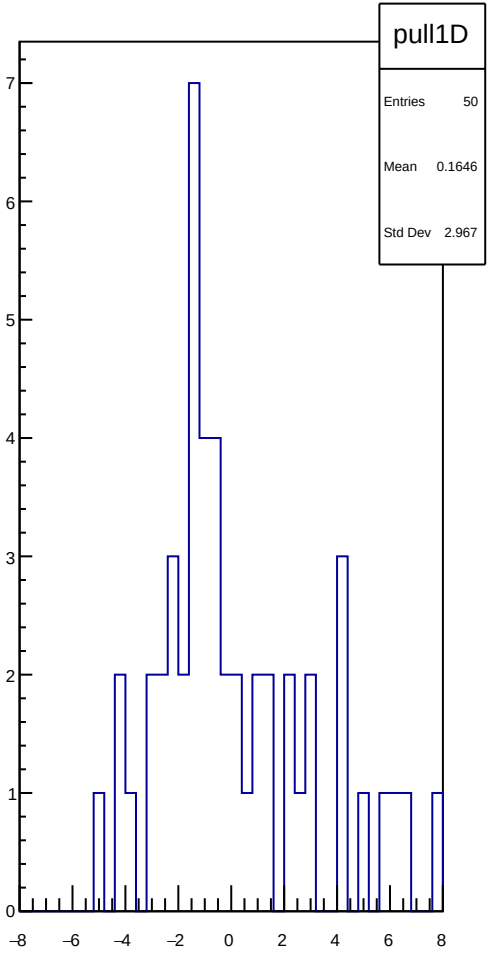

asym_bpm0i02WS_rms vs run
χ² / ndf 3.571e+04 / 49
p0 112.2 ± 0.1172
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

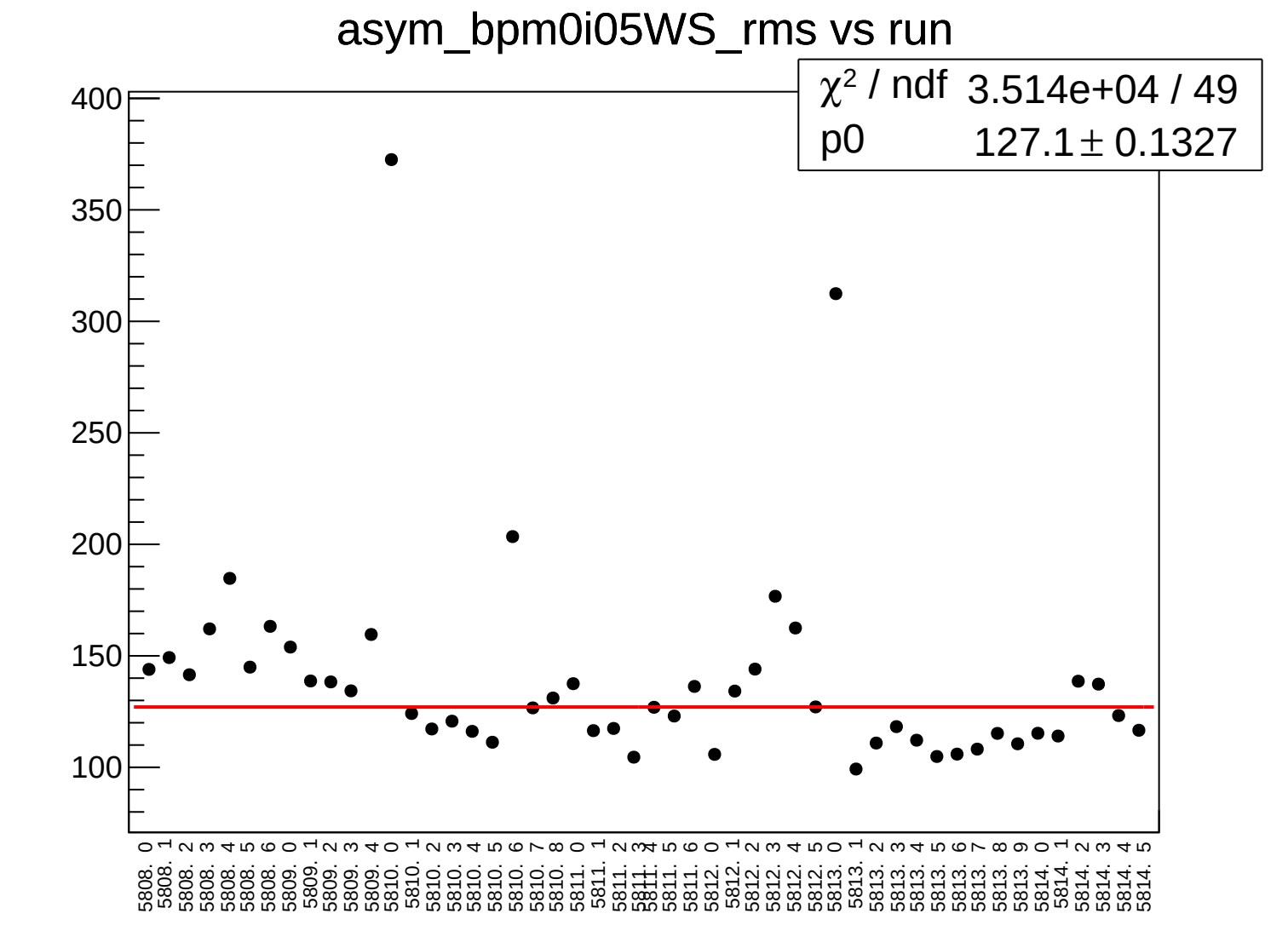

asym_bpm0i02aWS_mean vs run
χ² / ndf 432.2 / 49
p0 1507 ± 184.7
15000
10000
5000
0
−5000
pull
Entries 50
Mean −34.01
Std Dev 45.58

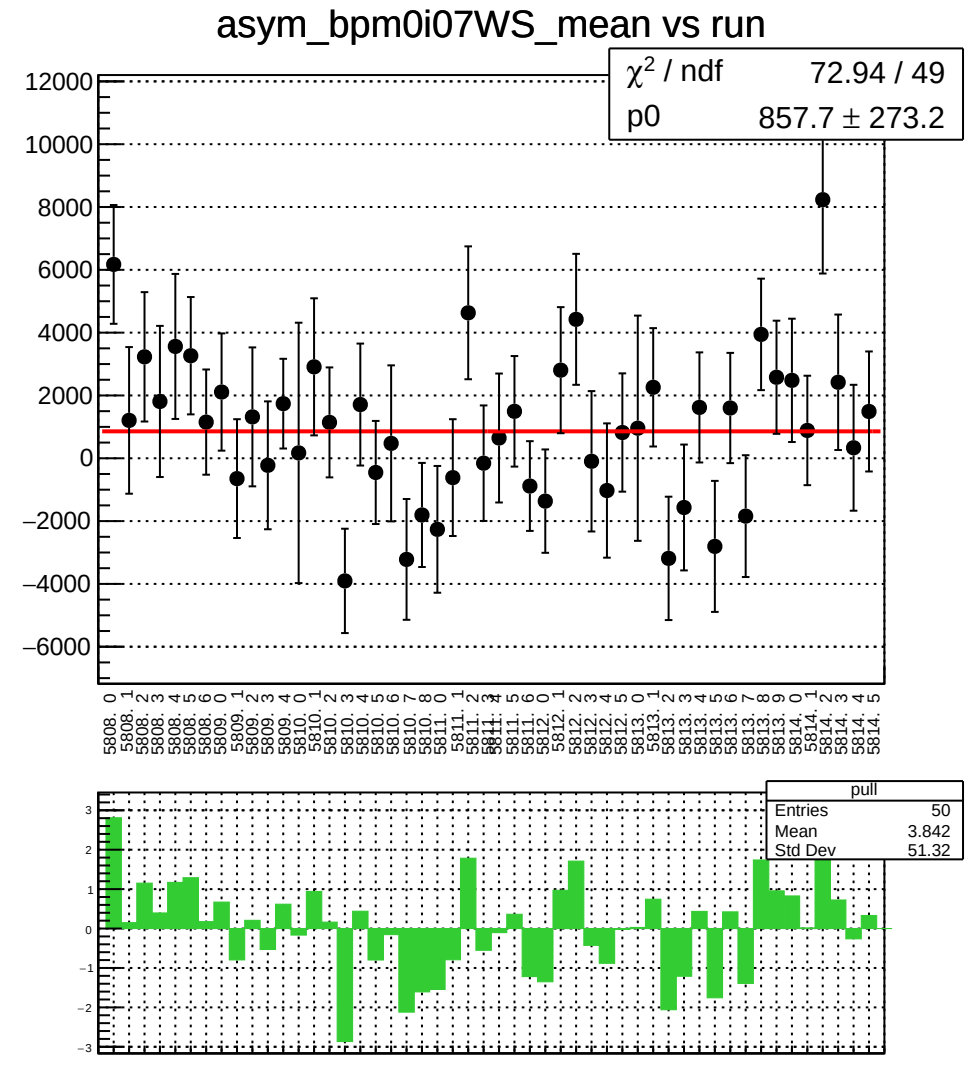

pull1D
Entries 50
Mean 0.08021
Std Dev 2.939

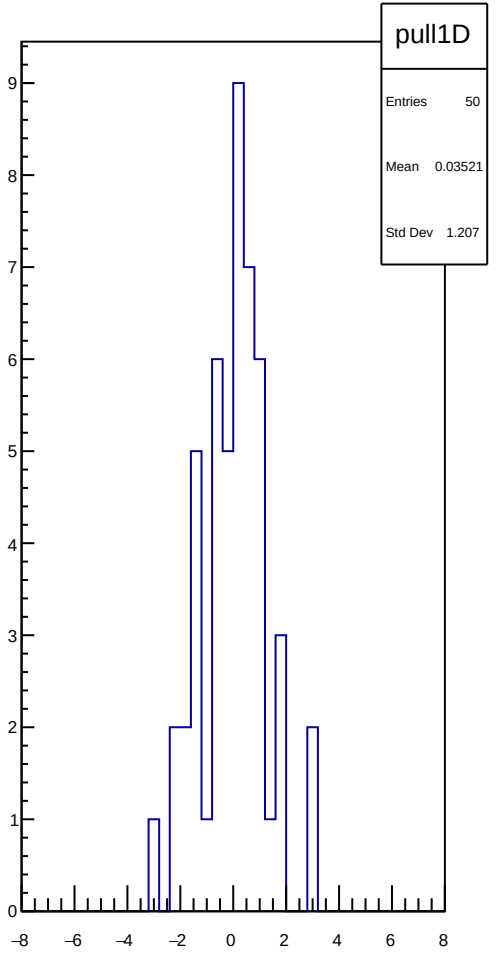

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.082e+04 / 49
p0 125.4 ± 0.1306
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

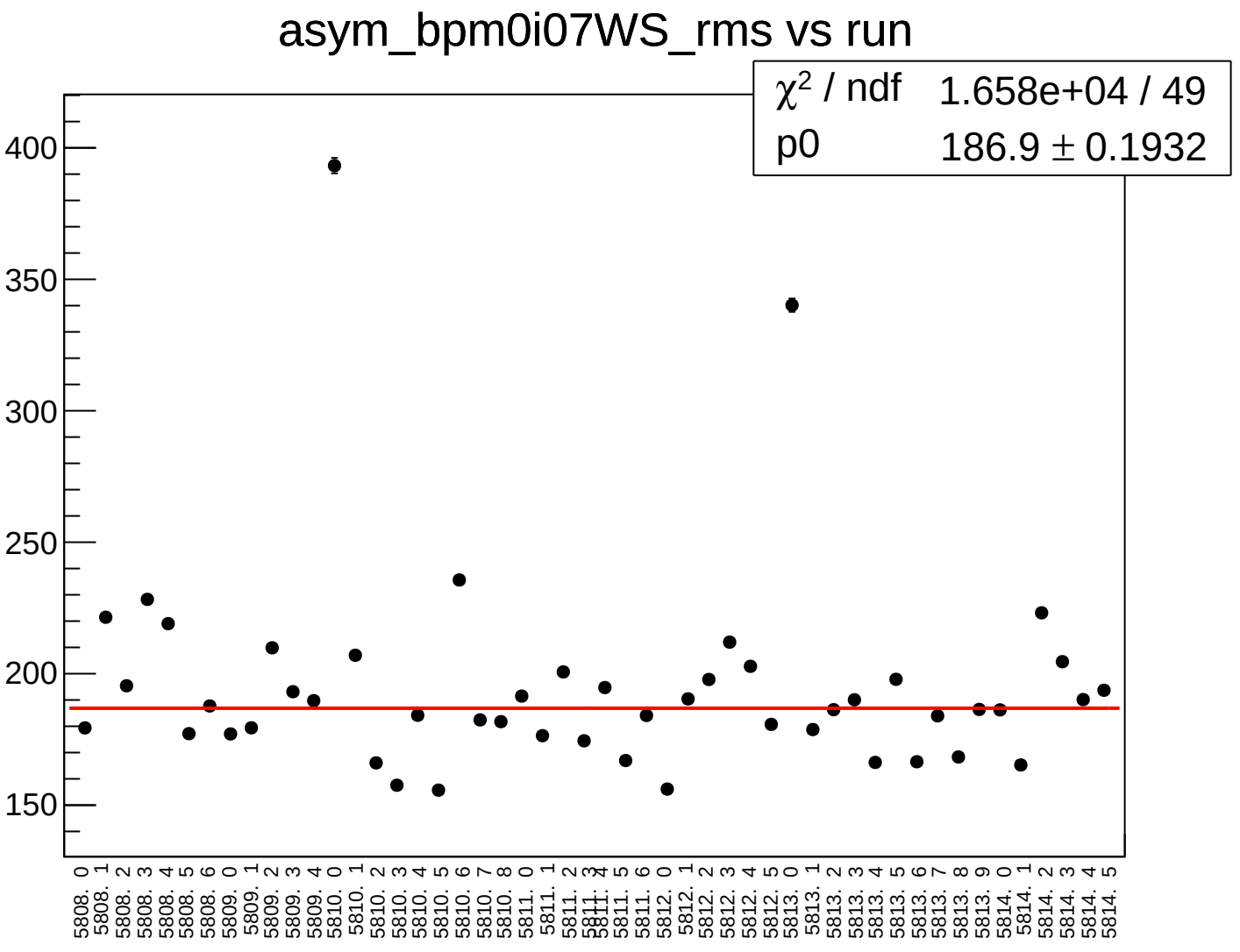

asym_bpm0i05WS_mean vs run
χ² / ndf 441.5 / 49
p0 2488 ± 187.6
15000
10000
5000
0
−5000
pull
Entries 50
Mean −31.96
Std Dev 0
8
6
4
2
0
−2
−4

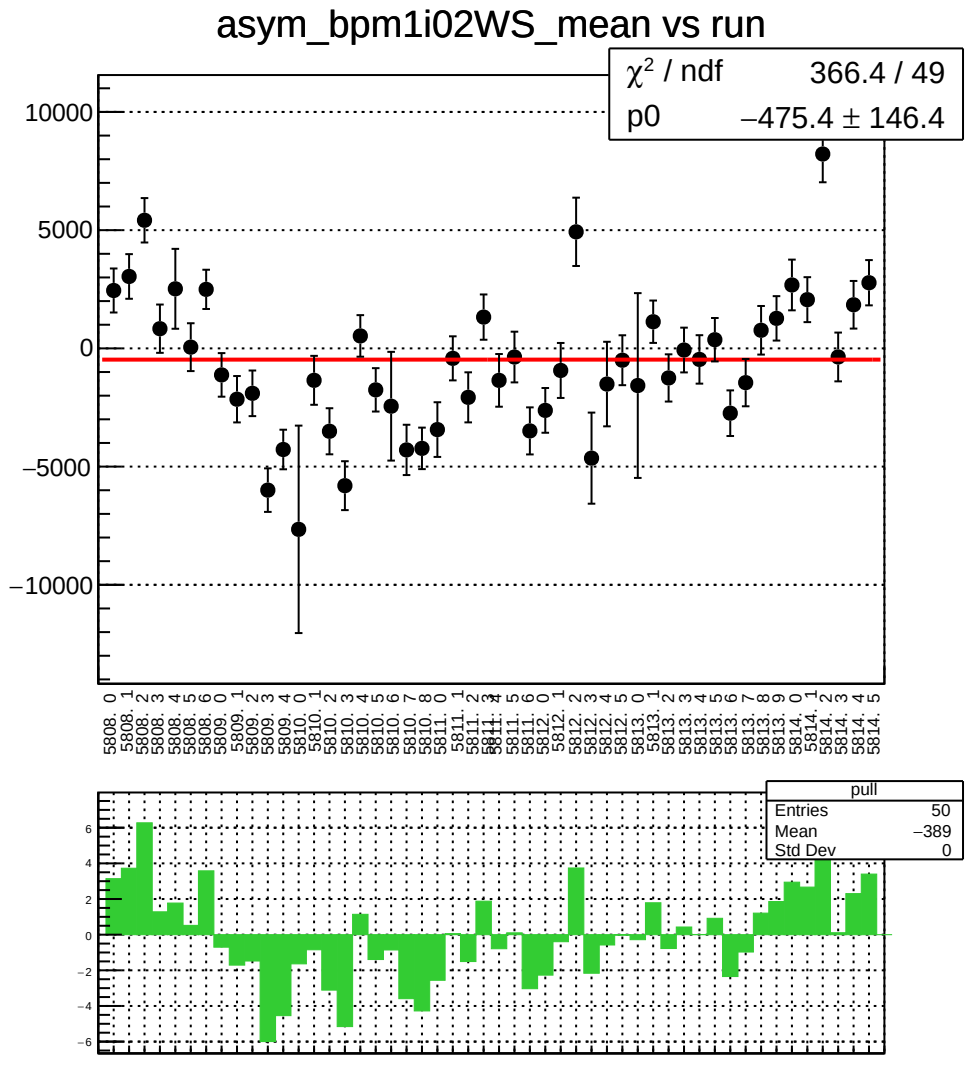

pull1D
Entries 50
Mean 0.1646
Std Dev 2.967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

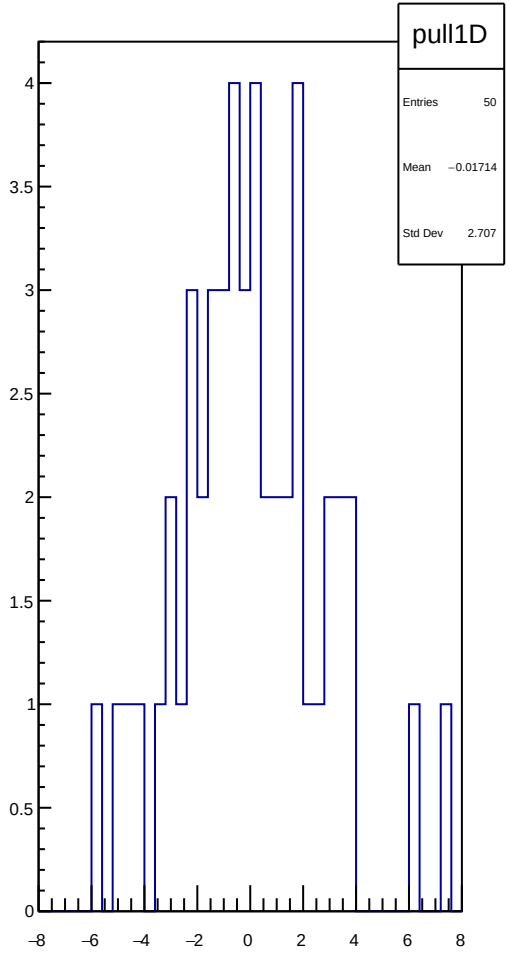

asym_bpm0i05WS_rms vs run
χ² / ndf 3.514e+04 / 49
p0 127.1 ± 0.1327
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

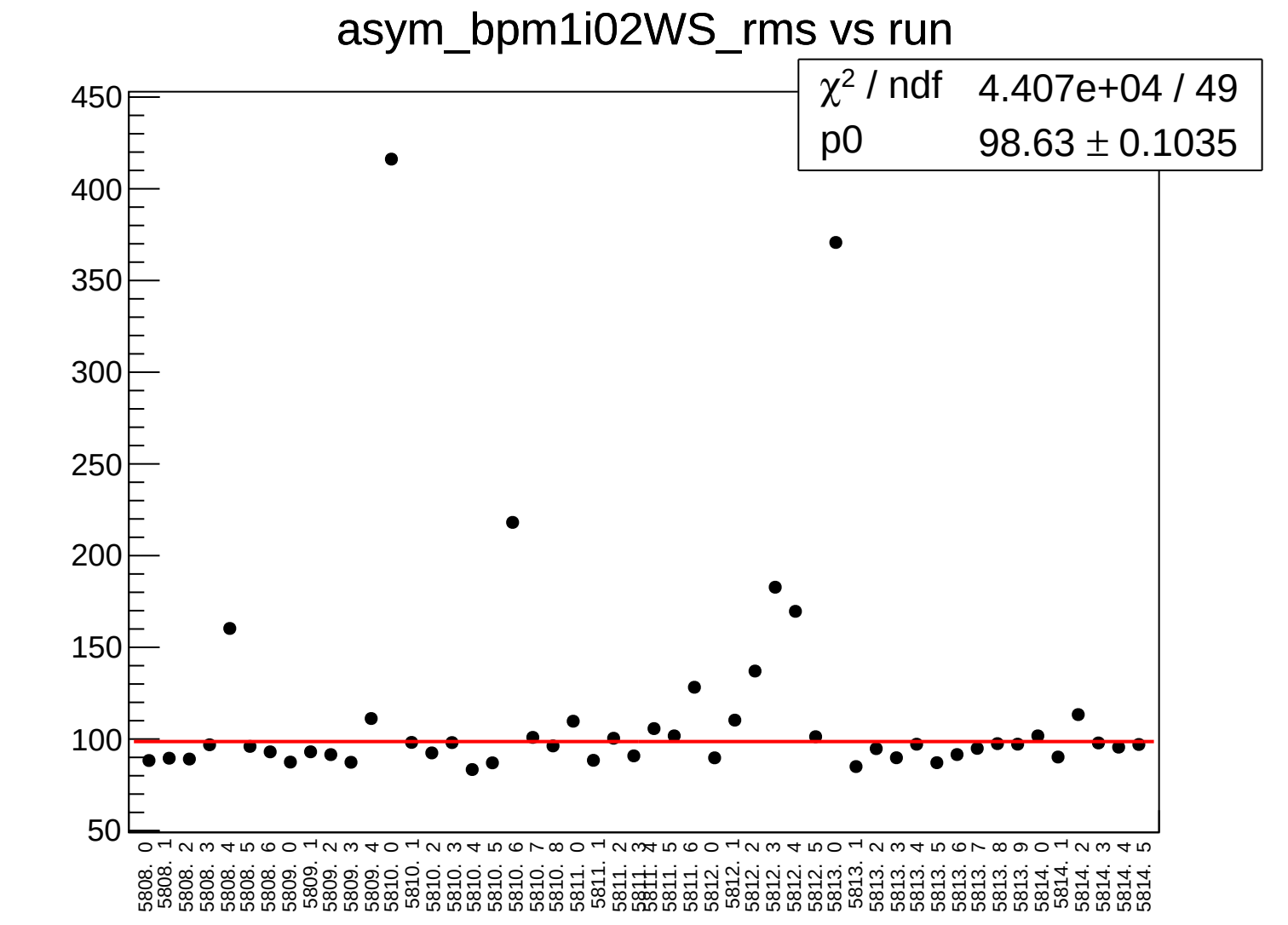

asym_bpm0i07WS_mean vs run
χ² / ndf 72.94 / 49
p0 857.7 ± 273.2
pull
Entries 50
Mean 3.842
Std Dev 51.32

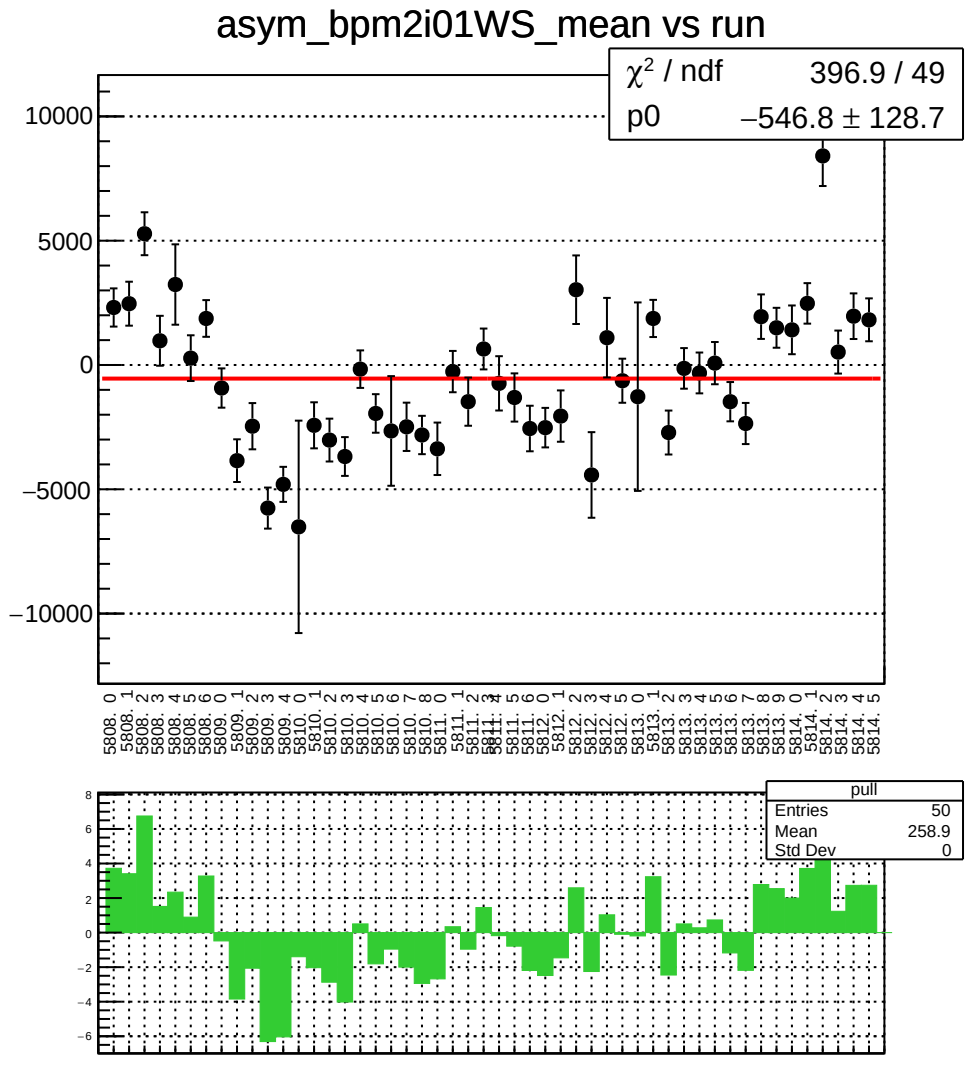

pull1D
Entries 50
Mean 0.03521
Std Dev 1.207

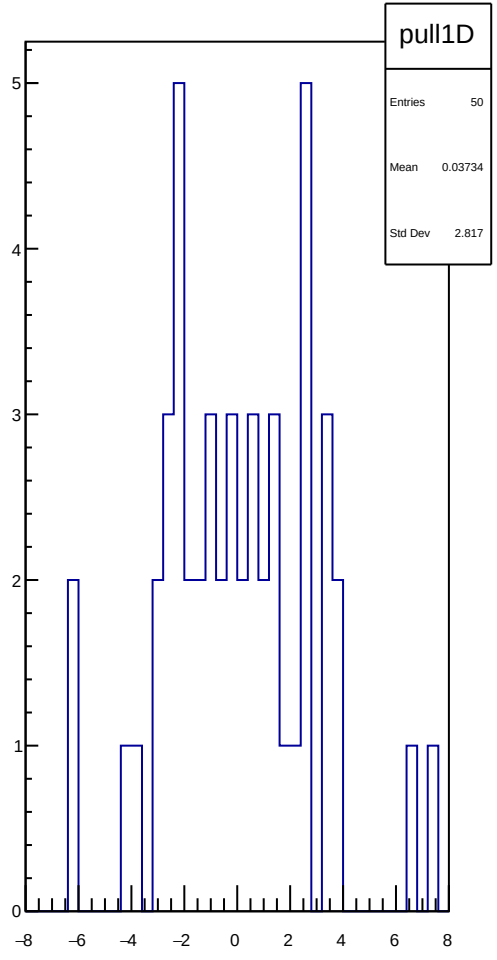

asym_bpm0i07WS_rms vs run
χ² / ndf 1.658e+04 / 49
p0 186.9 ± 0.1932
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

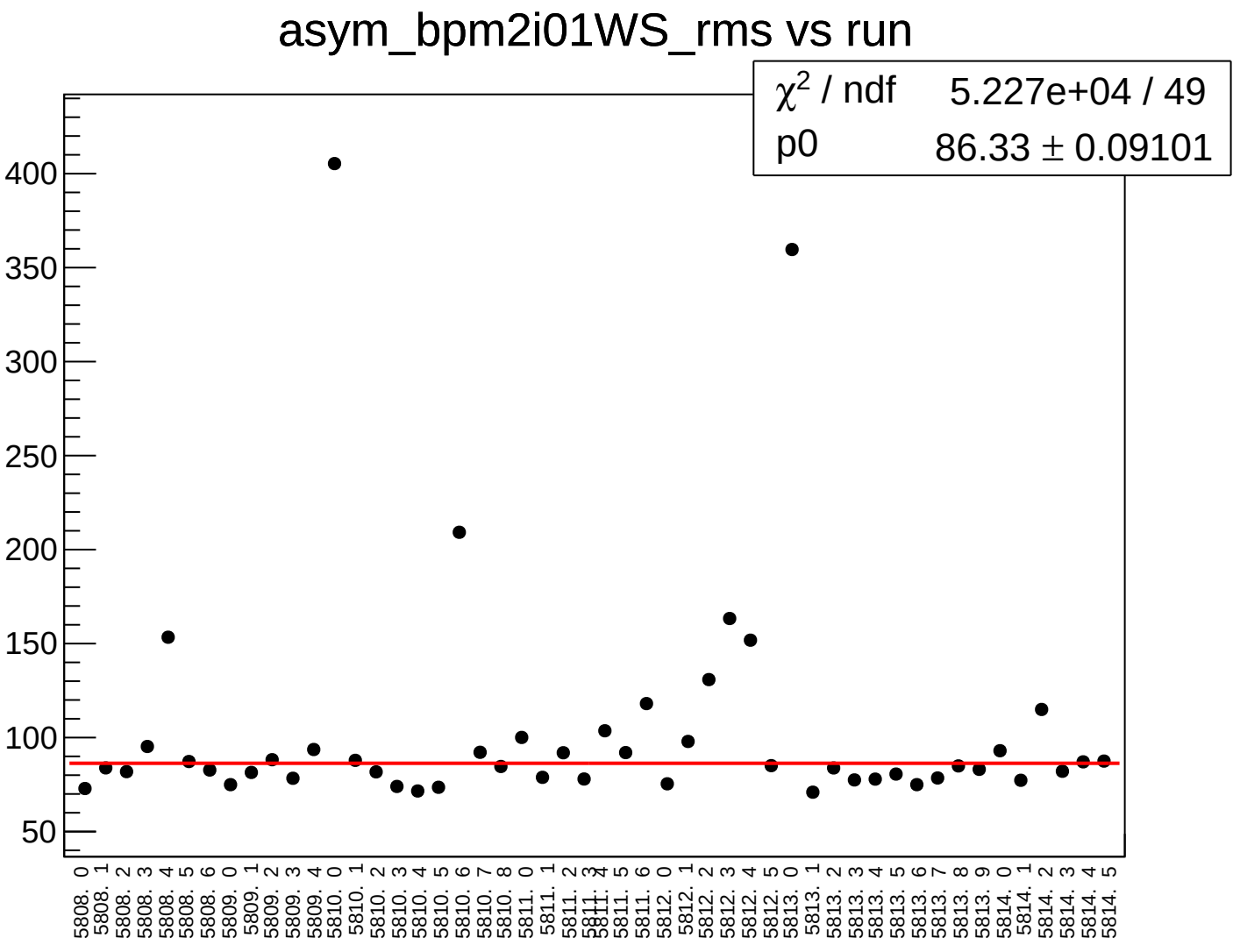

asym_bpm1i02WS_mean vs run
χ² / ndf 366.4 / 49
p0 −475.4 ± 146.4
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −389
Std Dev 0


pull1D
Entries 50
Mean −0.01714
Std Dev 2.707


asym_bpm1i02WS_rms vs run
χ² / ndf 4.407e+04 / 49
p0 98.63 ± 0.1035
450
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bpm2i01WS_mean vs run
χ² / ndf 396.9 / 49
p0 −546.8 ± 128.7
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 258.9
Std Dev 0
8
6
4
2
0
−2
−4
−6


pull1D
Entries 50
Mean 0.03734
Std Dev 2.817
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm2i01WS_rms vs run
χ² / ndf 5.227e+04 / 49
p0 86.33 ± 0.09101
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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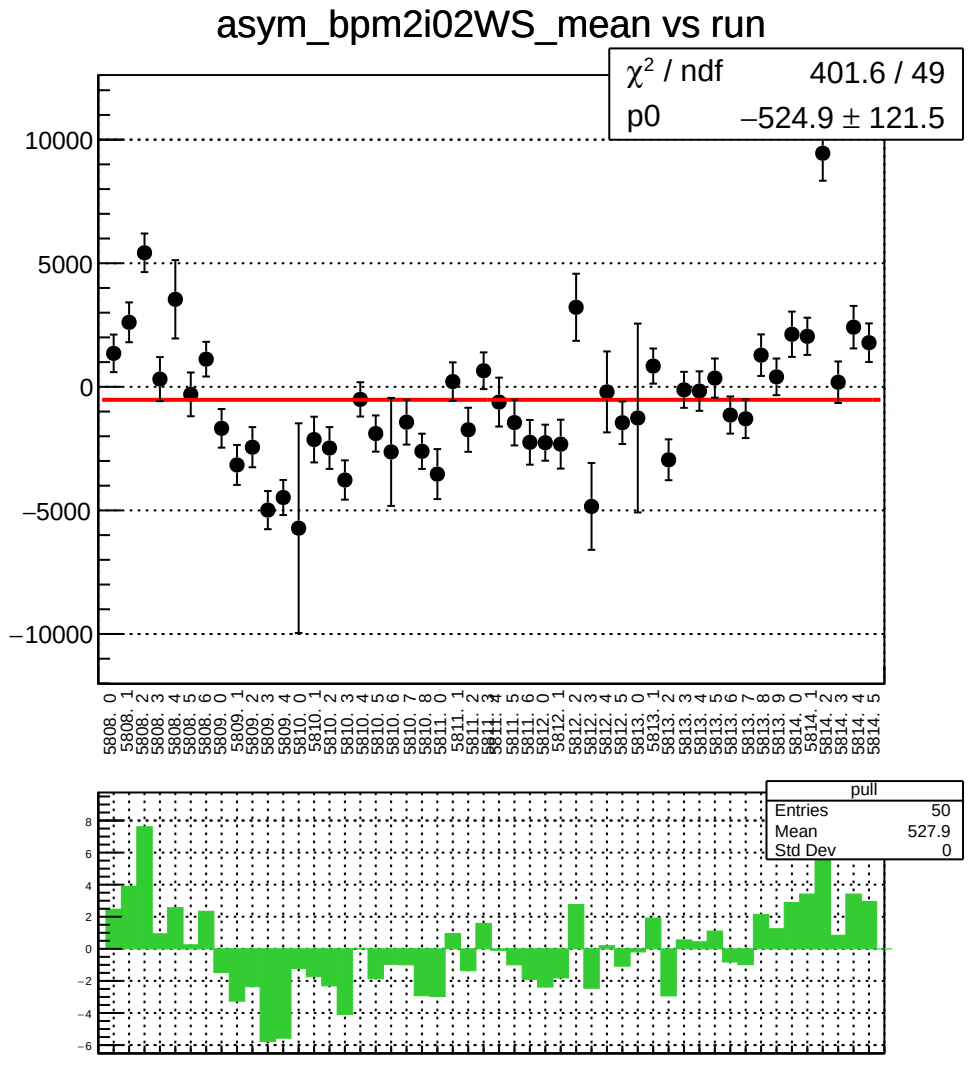
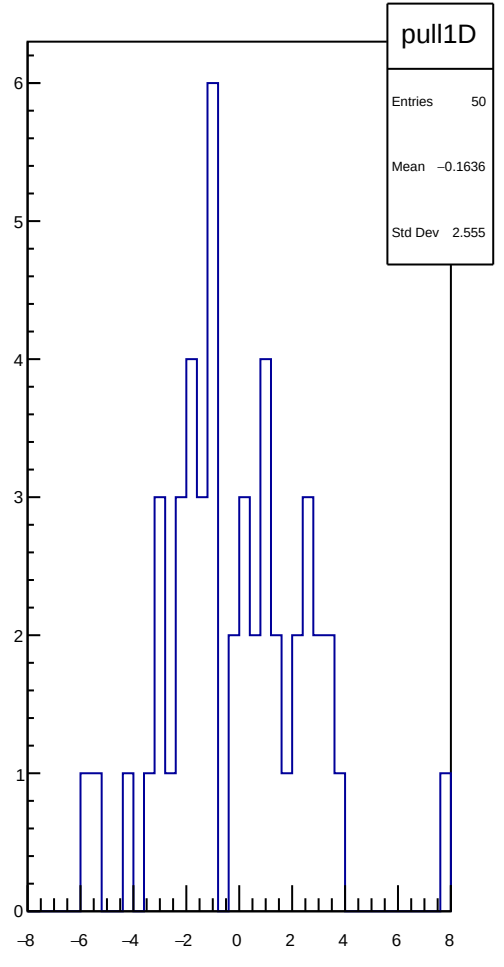
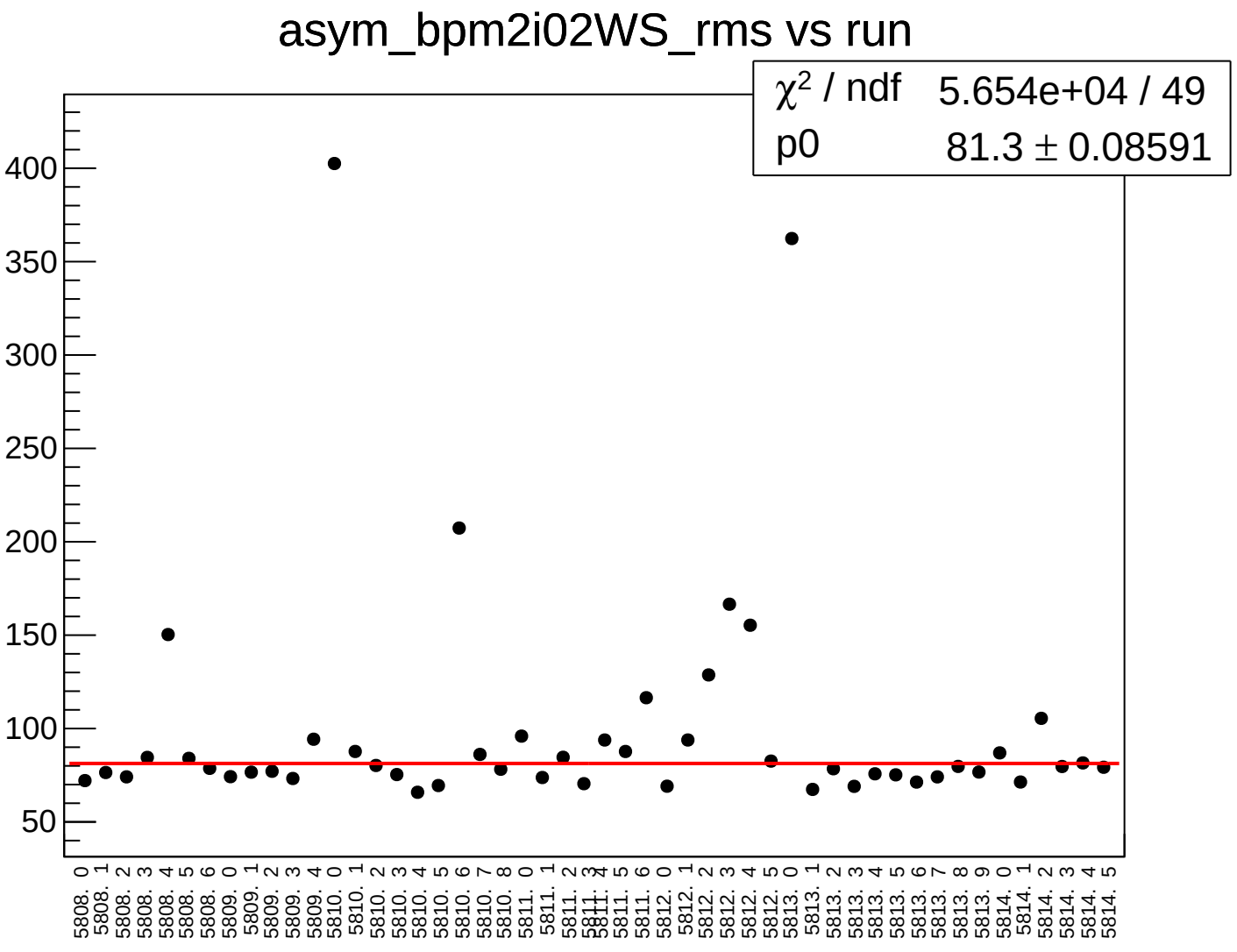
5814. 4
5814. 5


asym_bpm2i02WS_mean vs run
χ² / ndf 401.6 / 49
p0 −524.9 ± 121.5
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 527.9
Std Dev 0


pull1D
Entries 50
Mean −0.1636
Std Dev 2.555


asym_bpm2i02WS_rms vs run
χ² / ndf 5.654e+04 / 49
p0 81.3 ± 0.08591
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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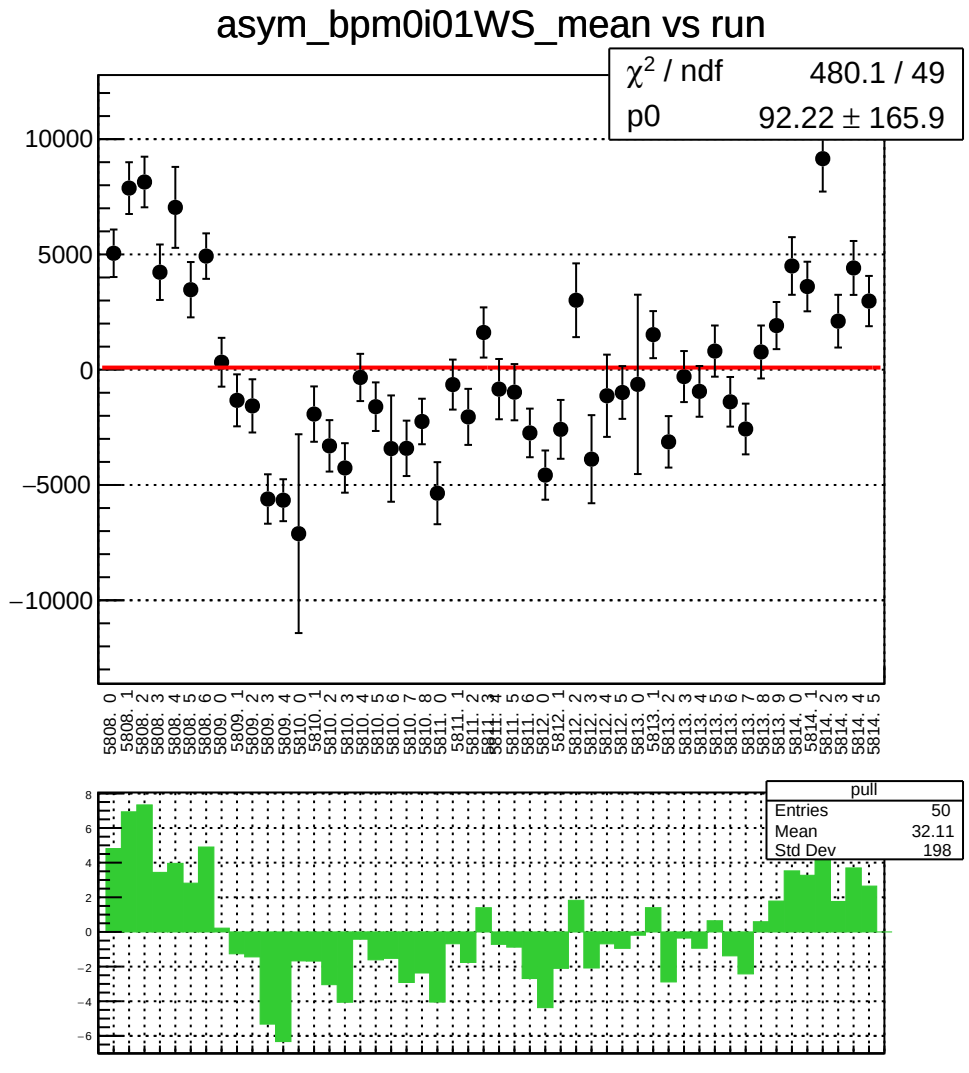
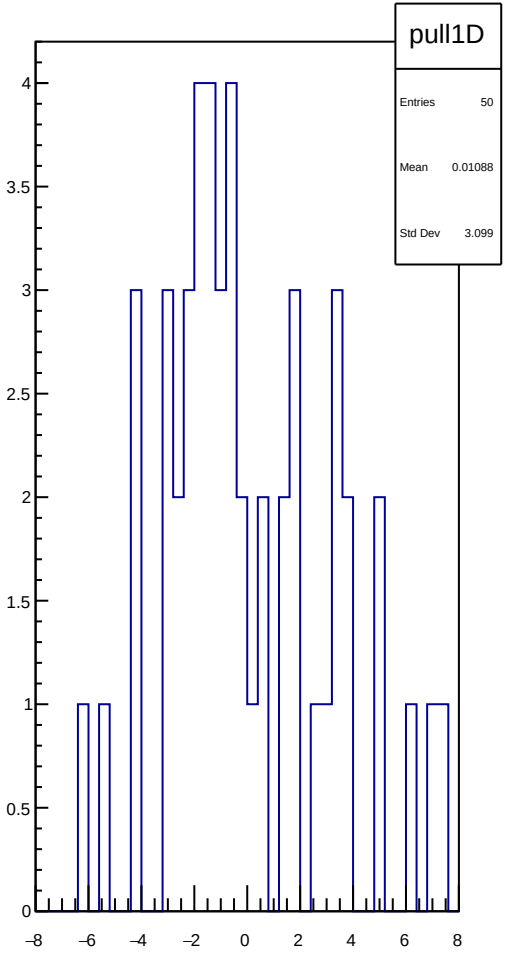
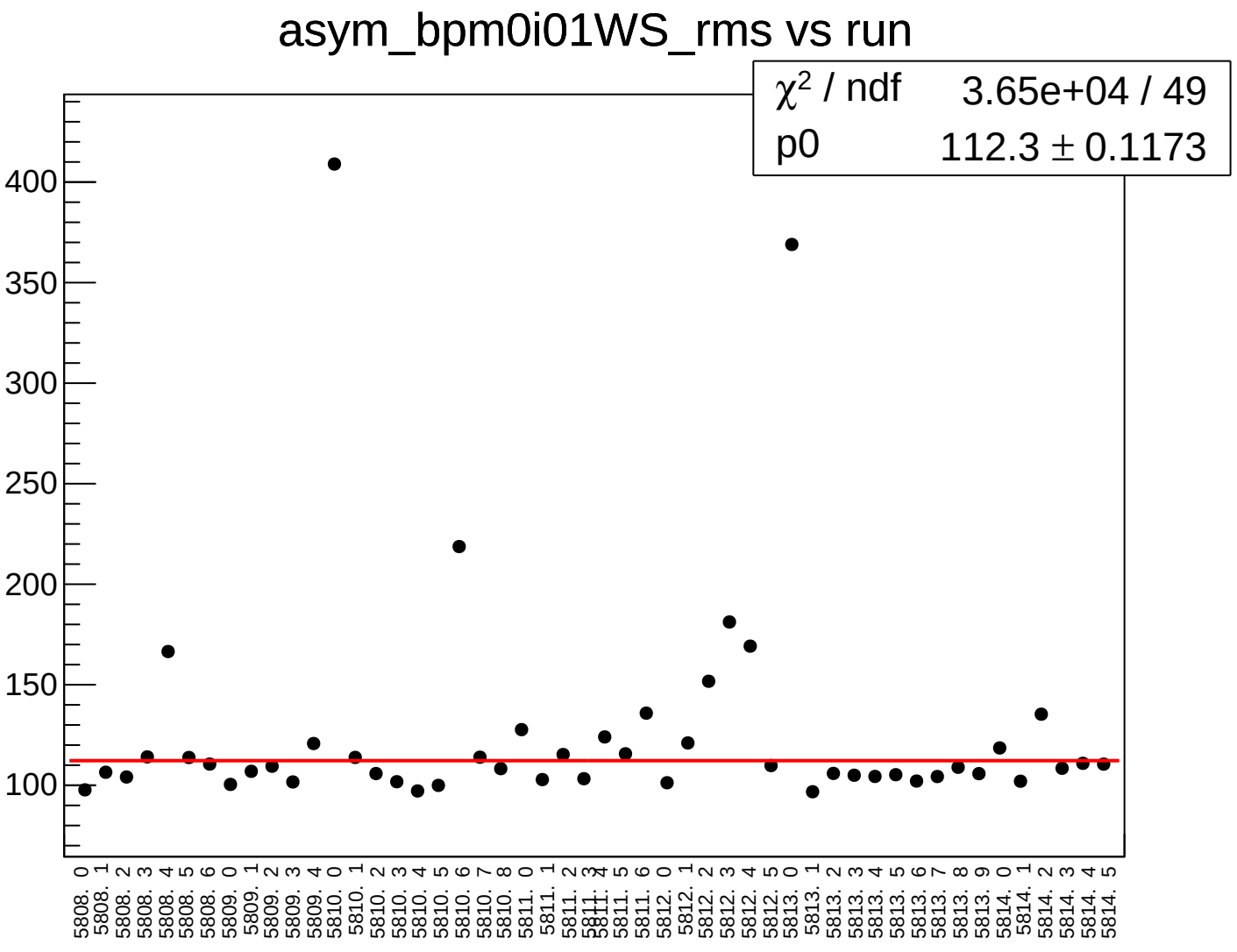
5814. 4
5814. 5


asym_bpm0i01WS_mean vs run
χ² / ndf 480.1 / 49
p0 92.22 ± 165.9
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 32.11
Std Dev 198
8
6
4
2
0
−2
−4
−6


pull1D
Entries 50
Mean 0.01088
Std Dev 3.099
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0i01WS_rms vs run
χ² / ndf 3.65e+04 / 49
p0 112.3 ± 0.1173
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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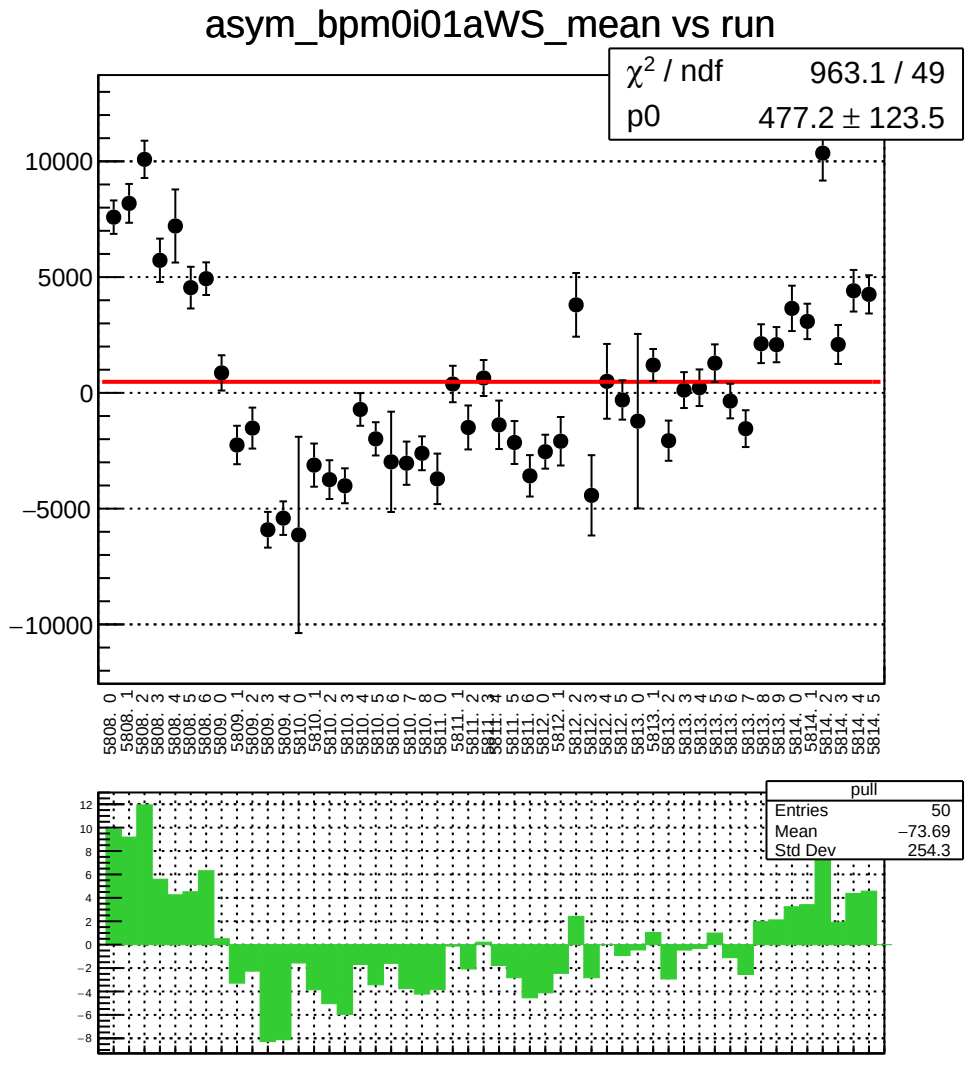
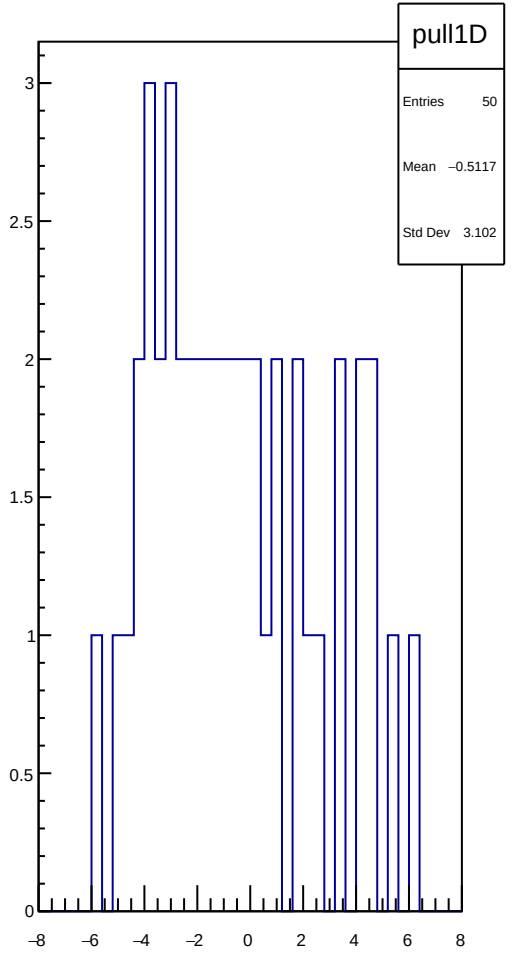
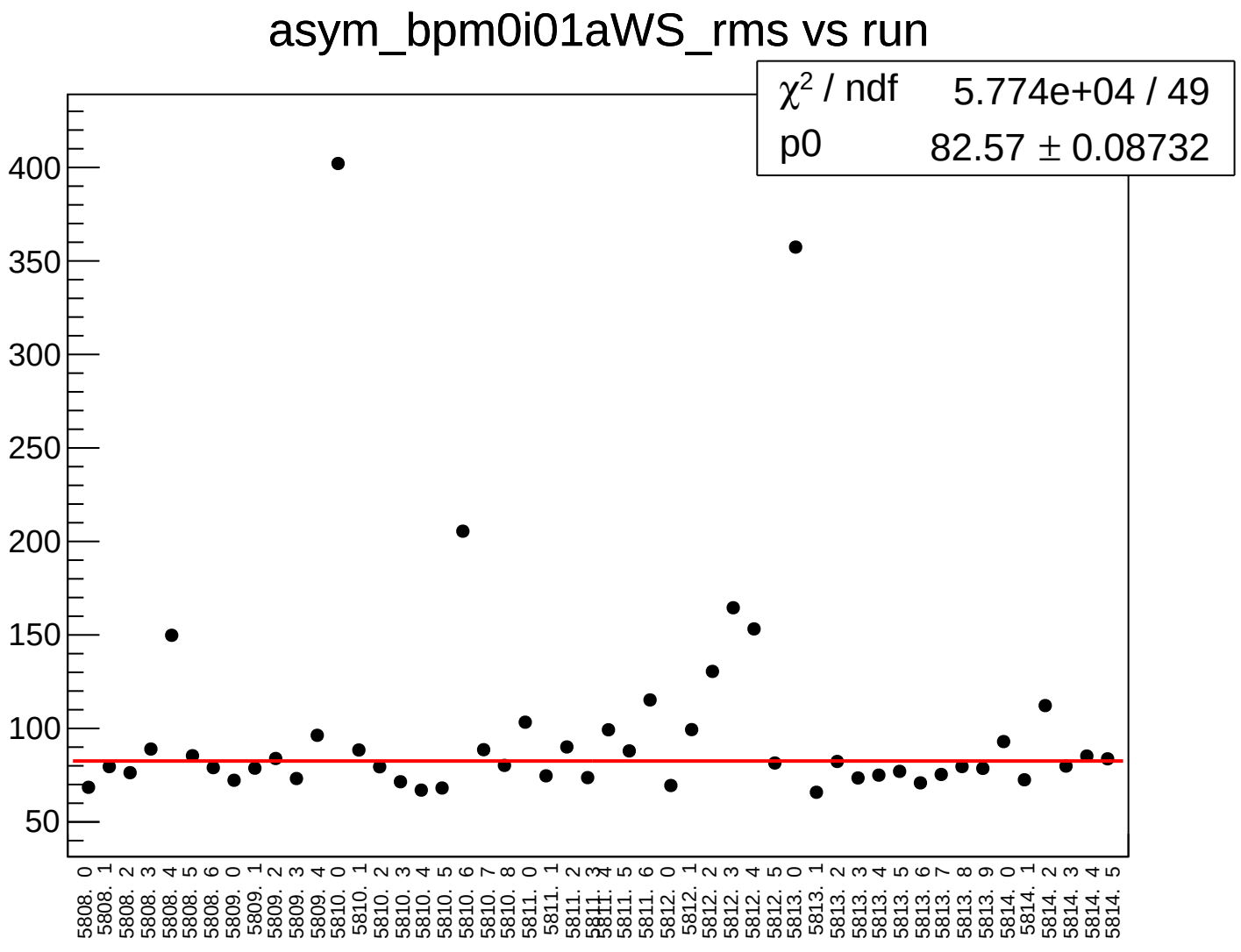
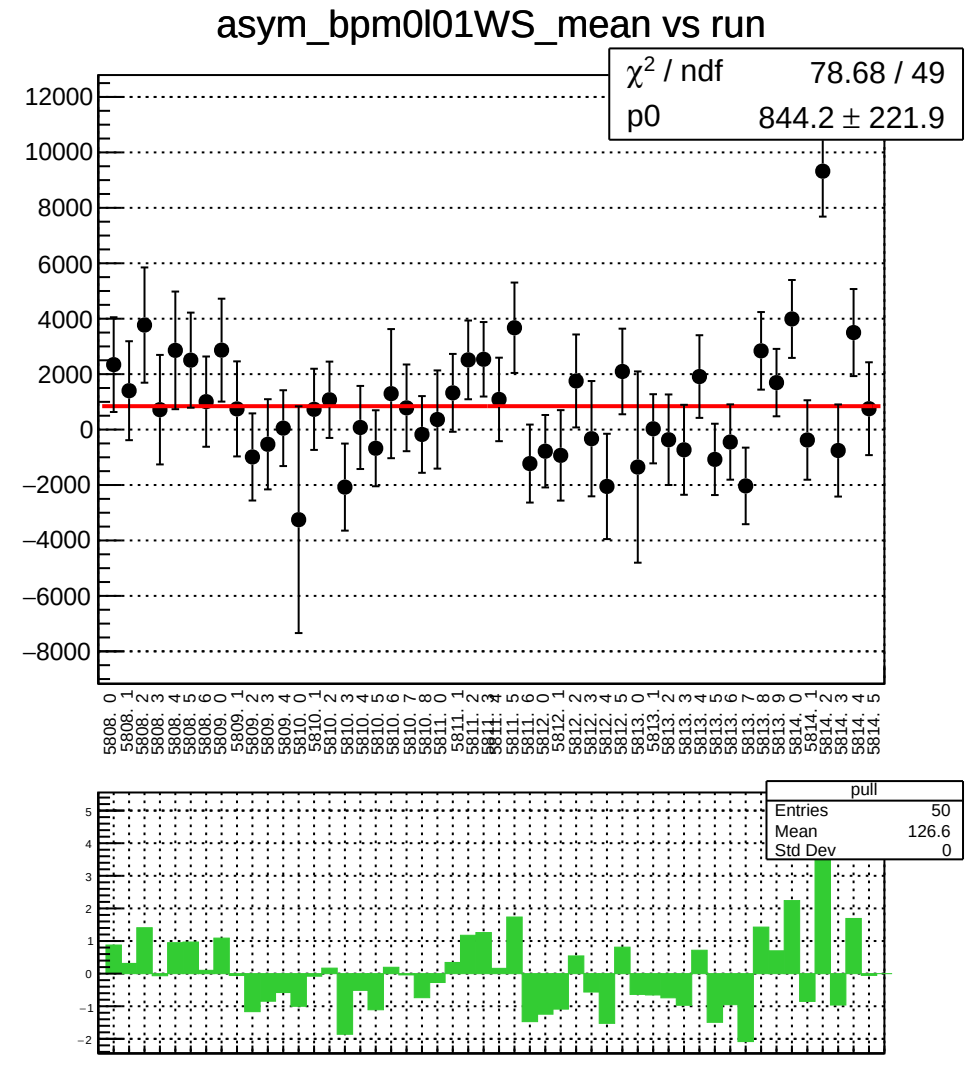
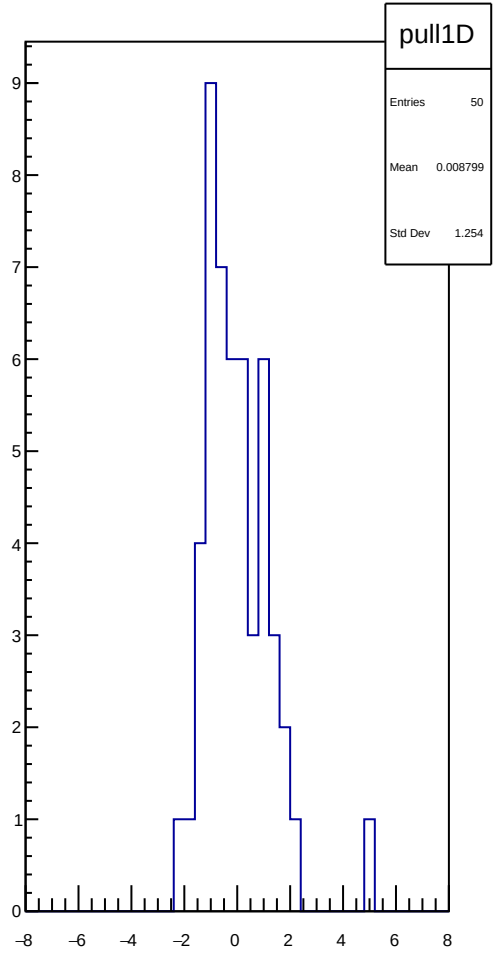
5814. 2
5814. 3
5814. 4
5814. 5

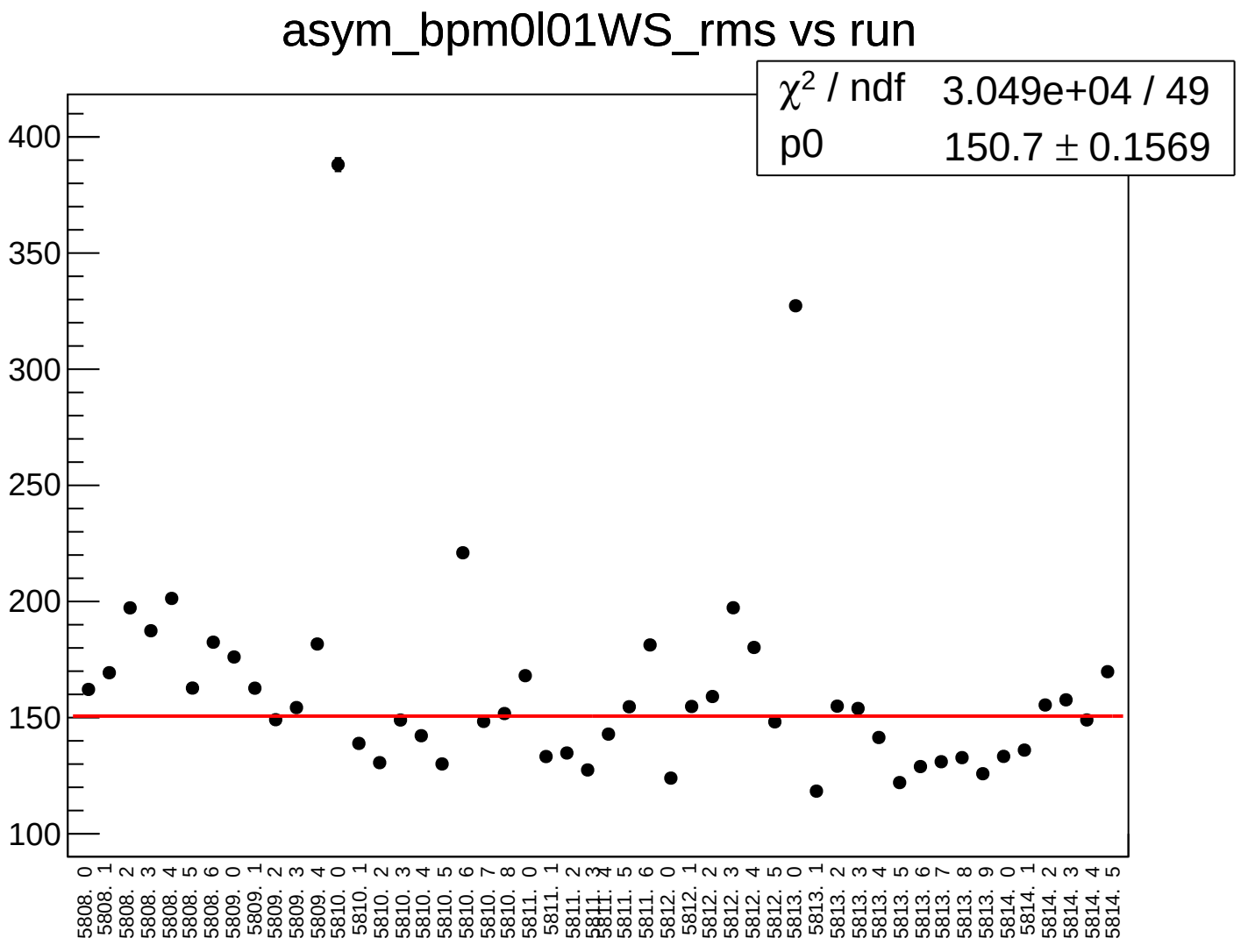

asym_bpm0i01aWS_mean vs run
χ² / ndf 963.1 / 49
p0 477.2 ± 123.5
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −73.69
Std Dev 254.3


pull1D
Entries 50
Mean −0.5117
Std Dev 3.102


asym_bpm0i01aWS_rms vs run
χ² / ndf 5.774e+04 / 49
p0 82.57 ± 0.08732
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bpm0l01WS_mean vs run
χ² / ndf 78.68 / 49
p0 844.2 ± 221.9
pull
Entries 50
Mean 126.6
Std Dev 0


pull1D
Entries 50
Mean 0.008799
Std Dev 1.254


asym_bpm0l01WS_rms vs run
χ² / ndf 3.049e+04 / 49
p0 150.7 ± 0.1569
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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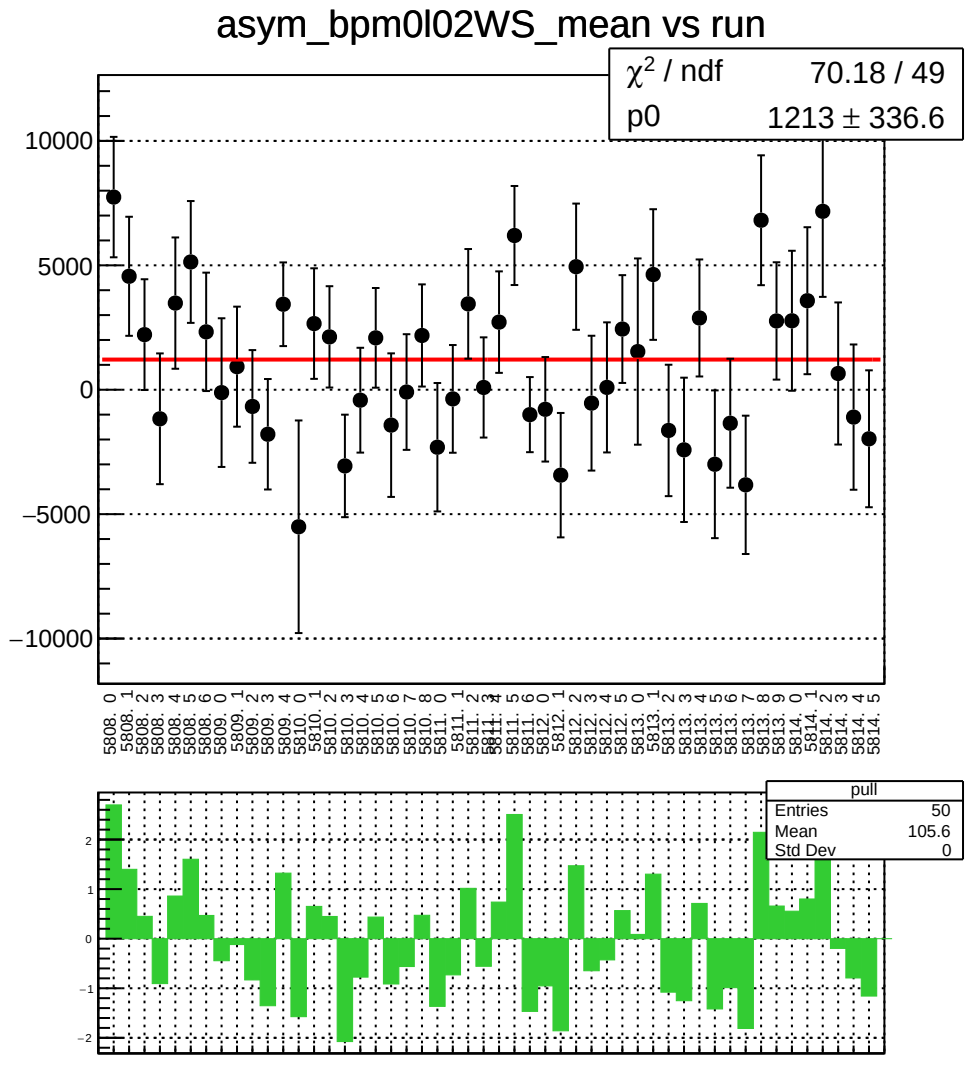
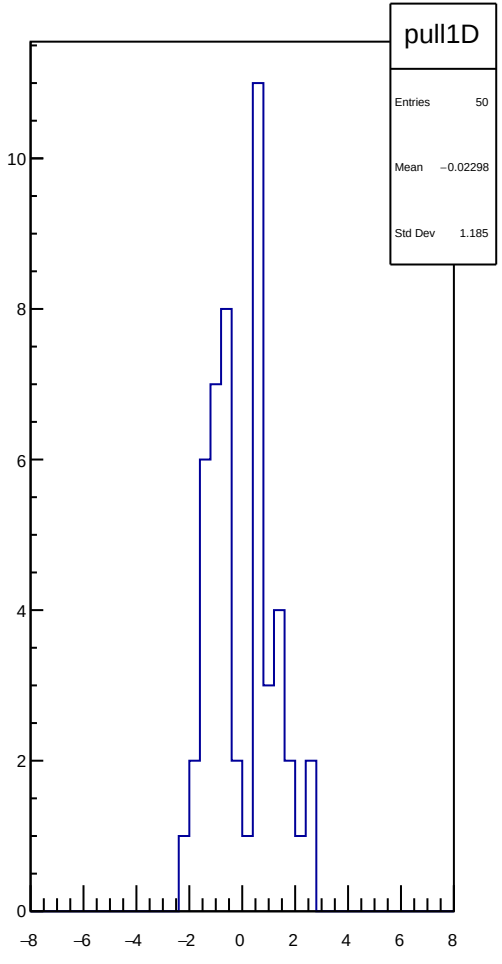
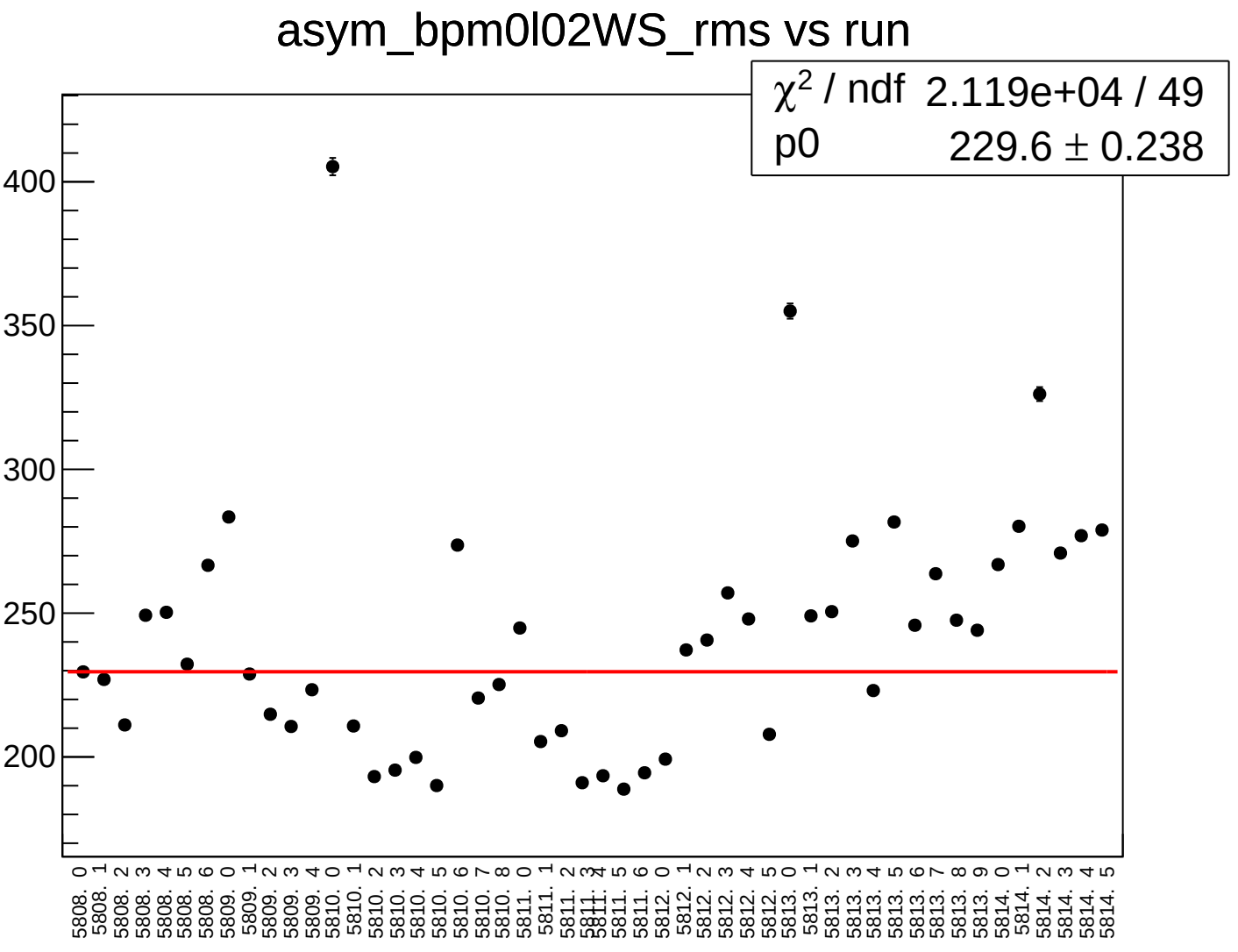
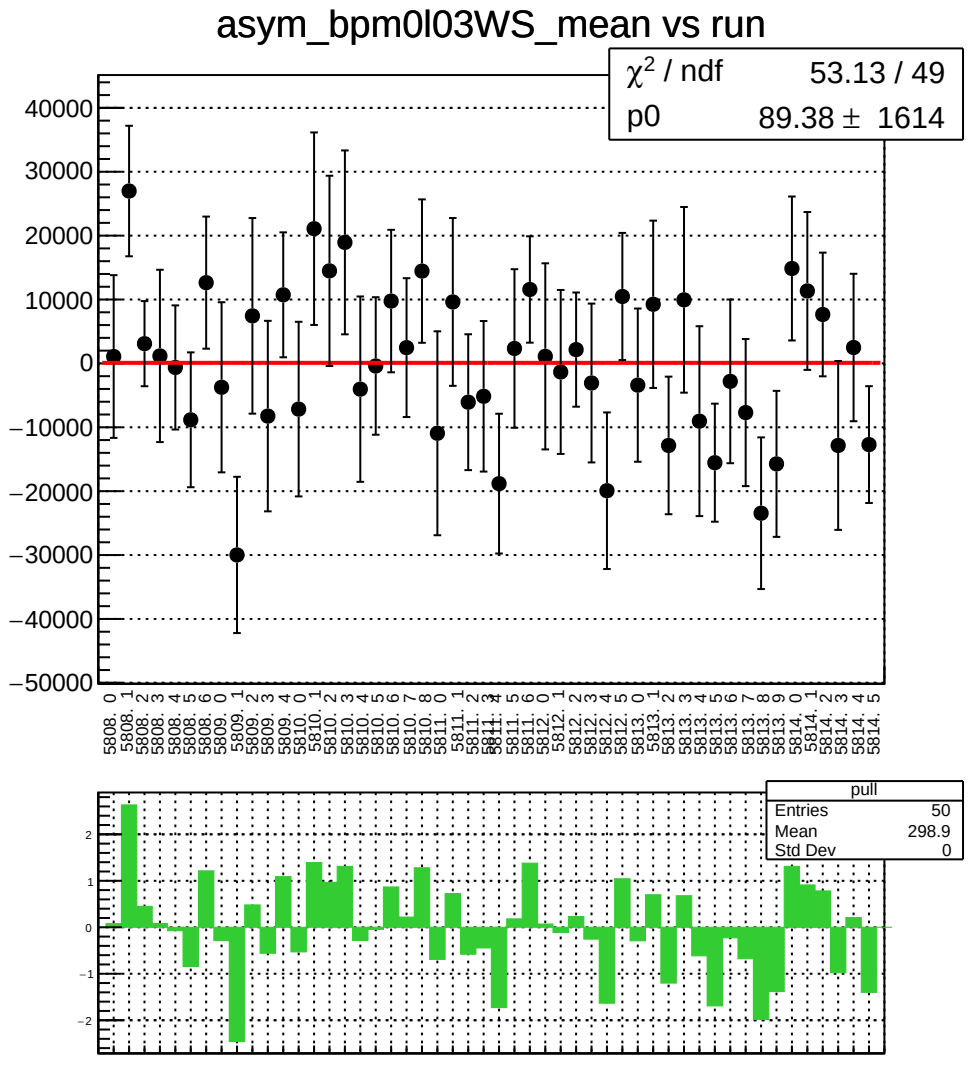
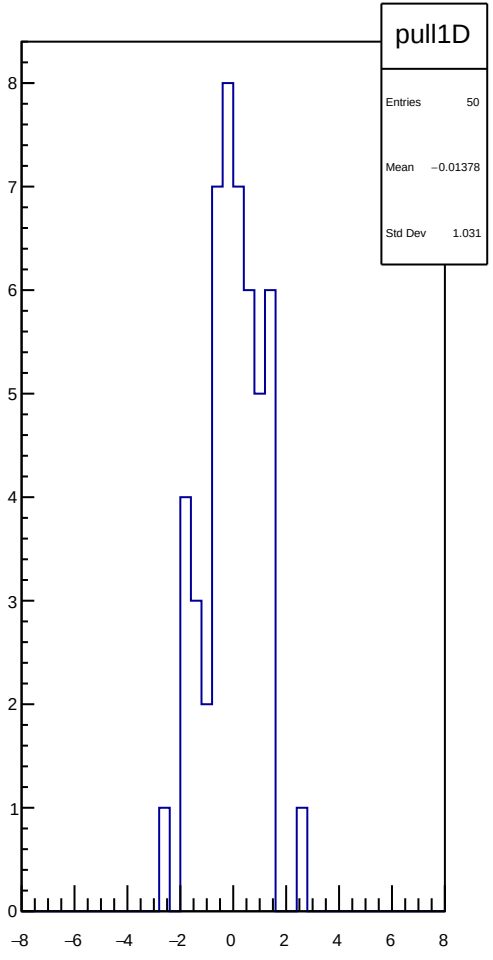
5814. 4
5814. 5

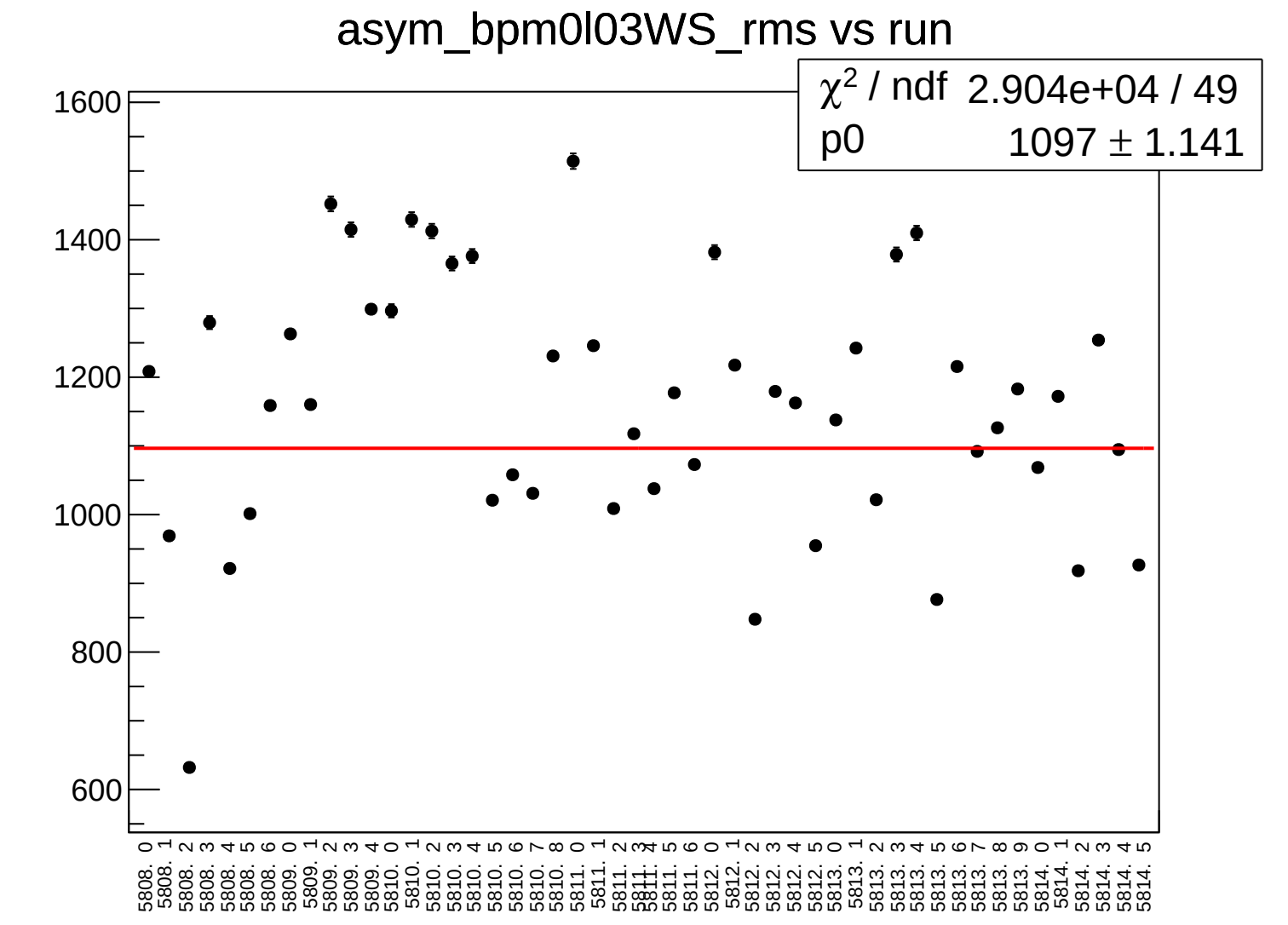

asym_bpm0l02WS_mean vs run
χ^2 / ndf 70.18 / 49
p0 1213 ± 336.6
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 105.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.02298
Std Dev 1.185
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l02WS_rms vs run
χ² / ndf 2.119e+04 / 49
p0 229.6 ± 0.238
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bpm0l03WS_mean vs run
χ² / ndf 53.13 / 49
p0 89.38 ± 1614
pull
Entries 50
Mean 298.9
Std Dev 0


pull1D
Entries 50
Mean −0.01378
Std Dev 1.031


asym_bpm0l03WS_rms vs run
χ² / ndf 2.904e+04 / 49
p0 1097 ± 1.141
1600
1400
1200
1000
800
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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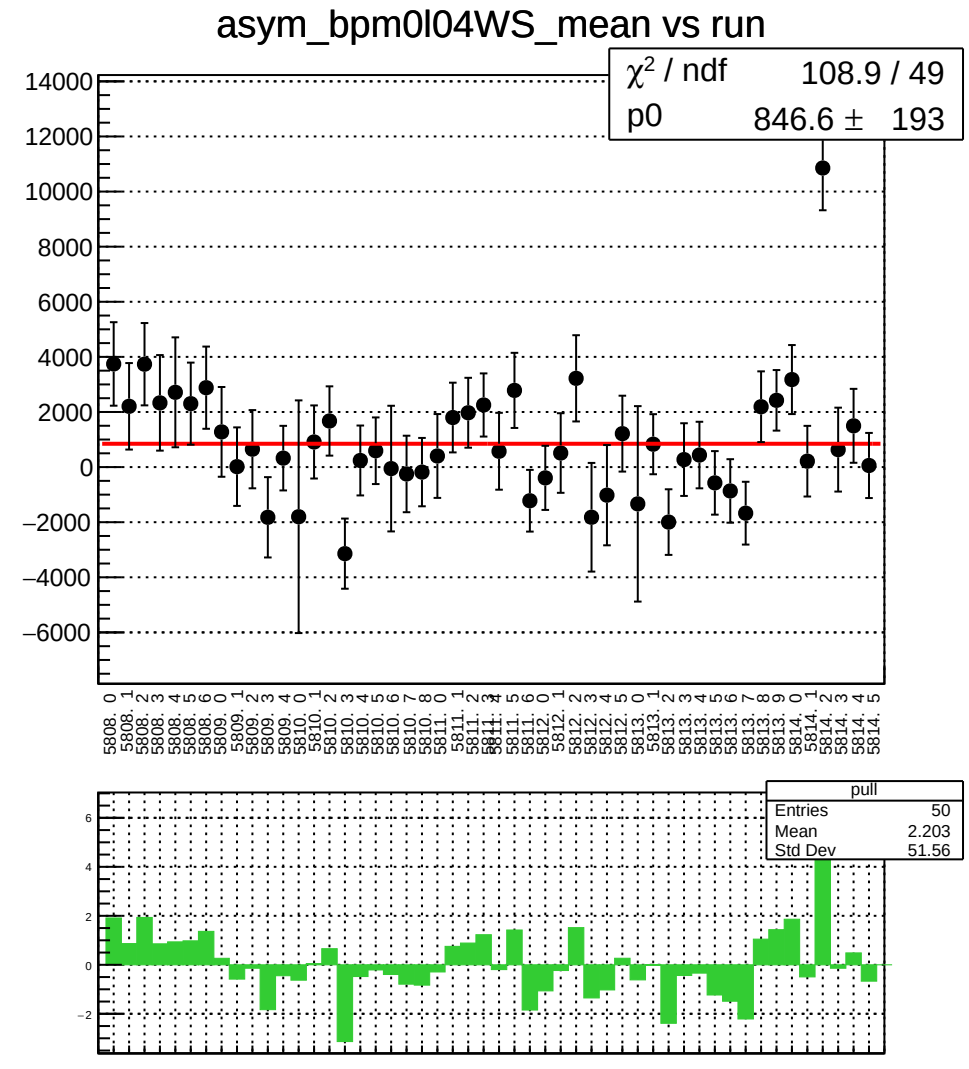
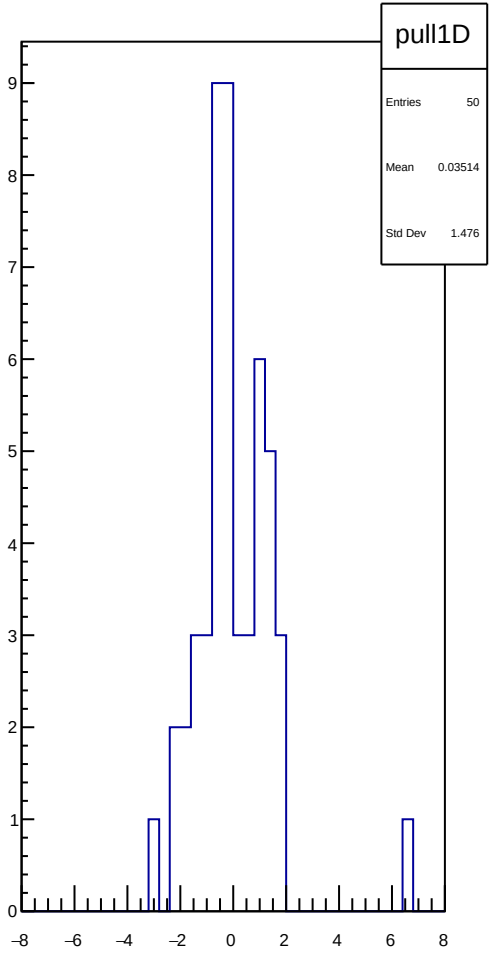
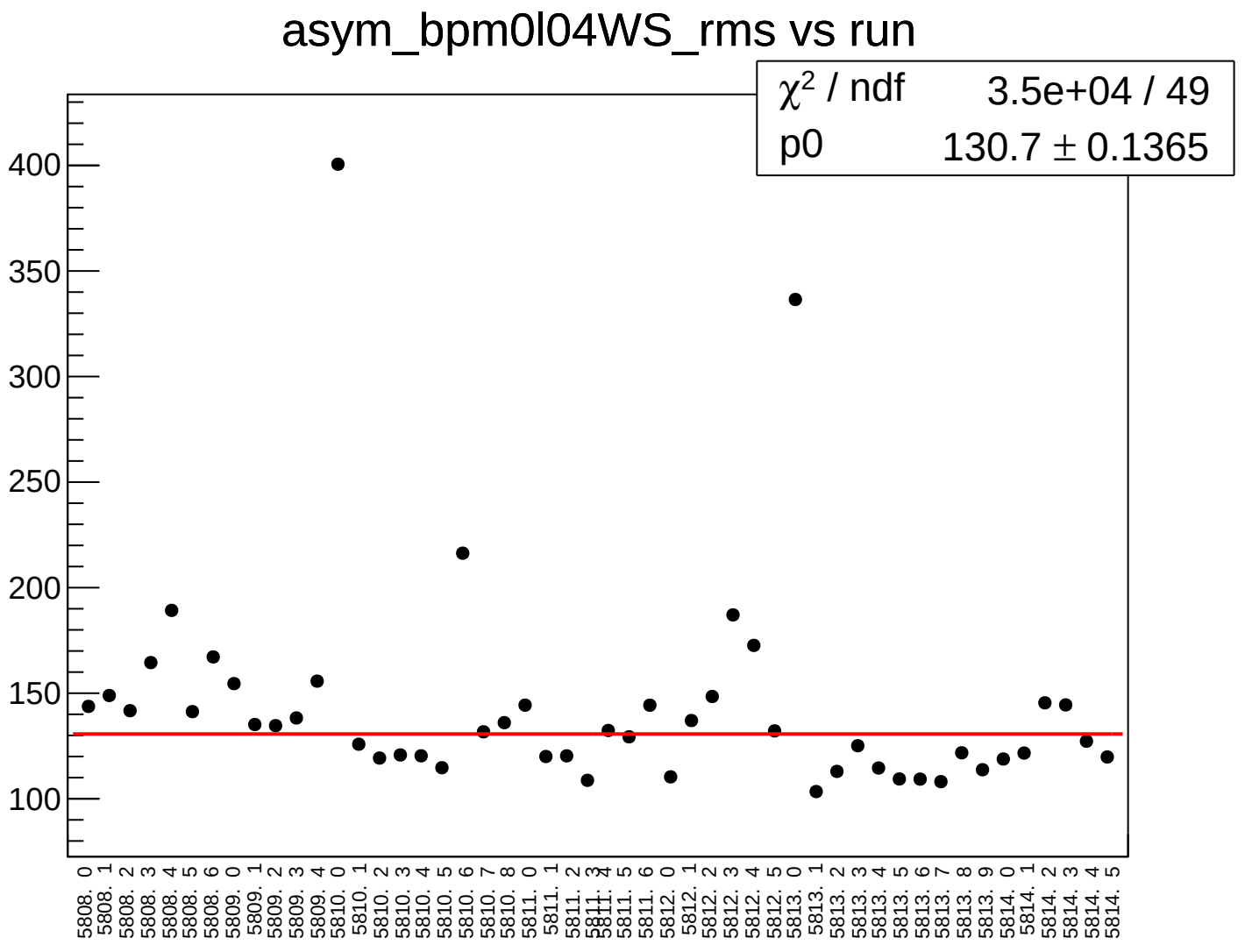
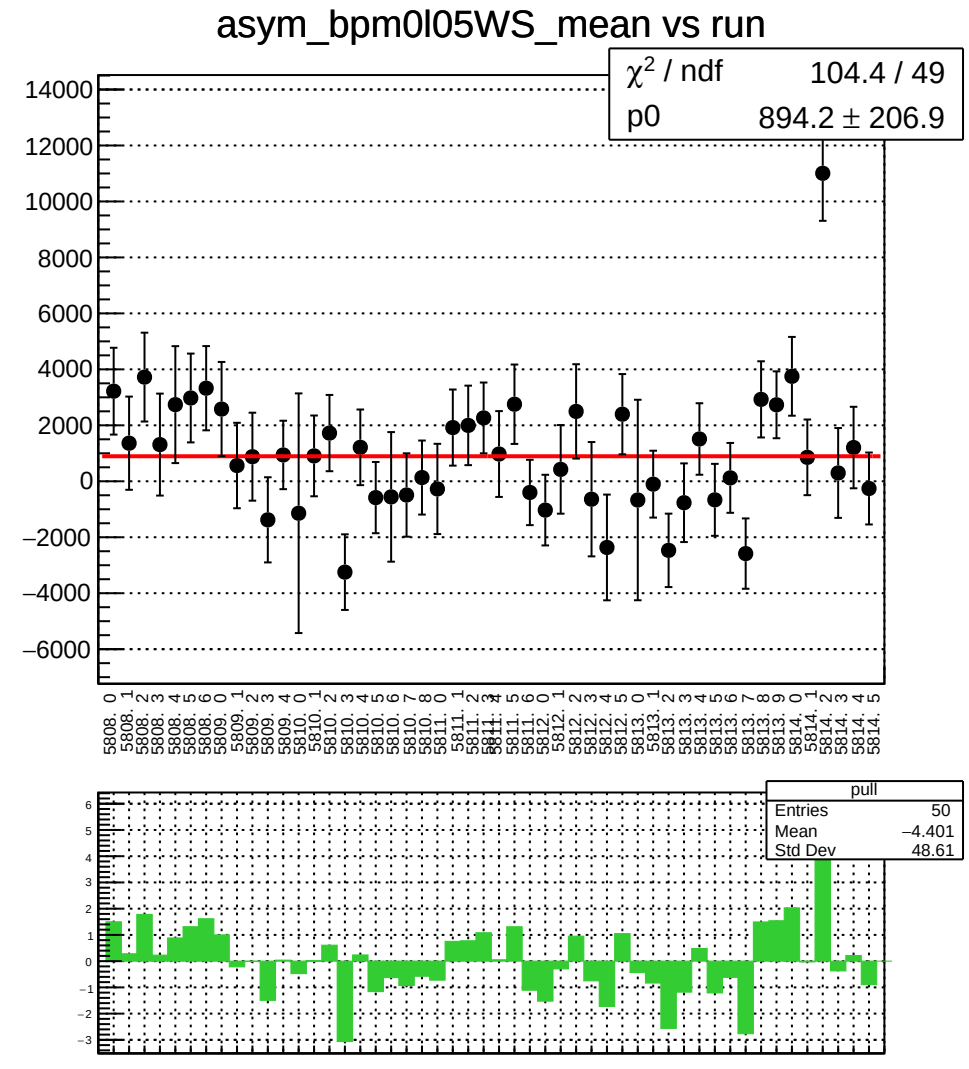
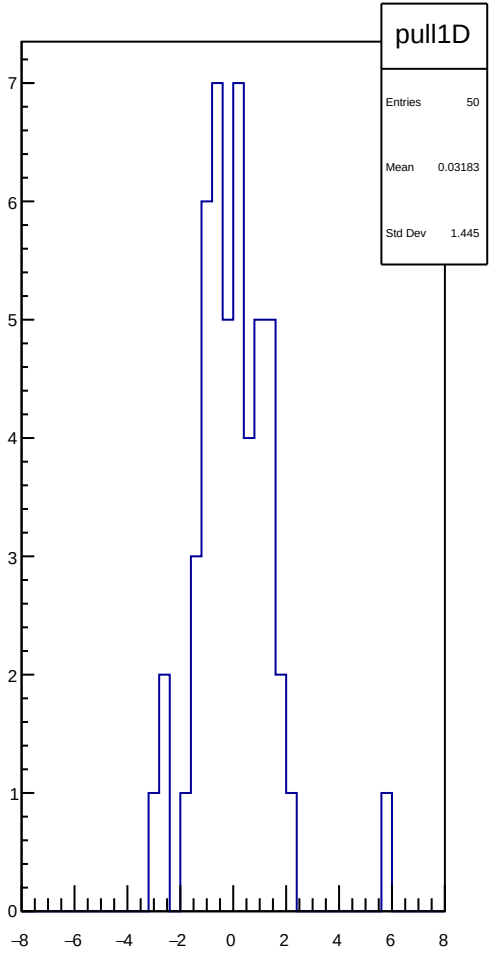
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

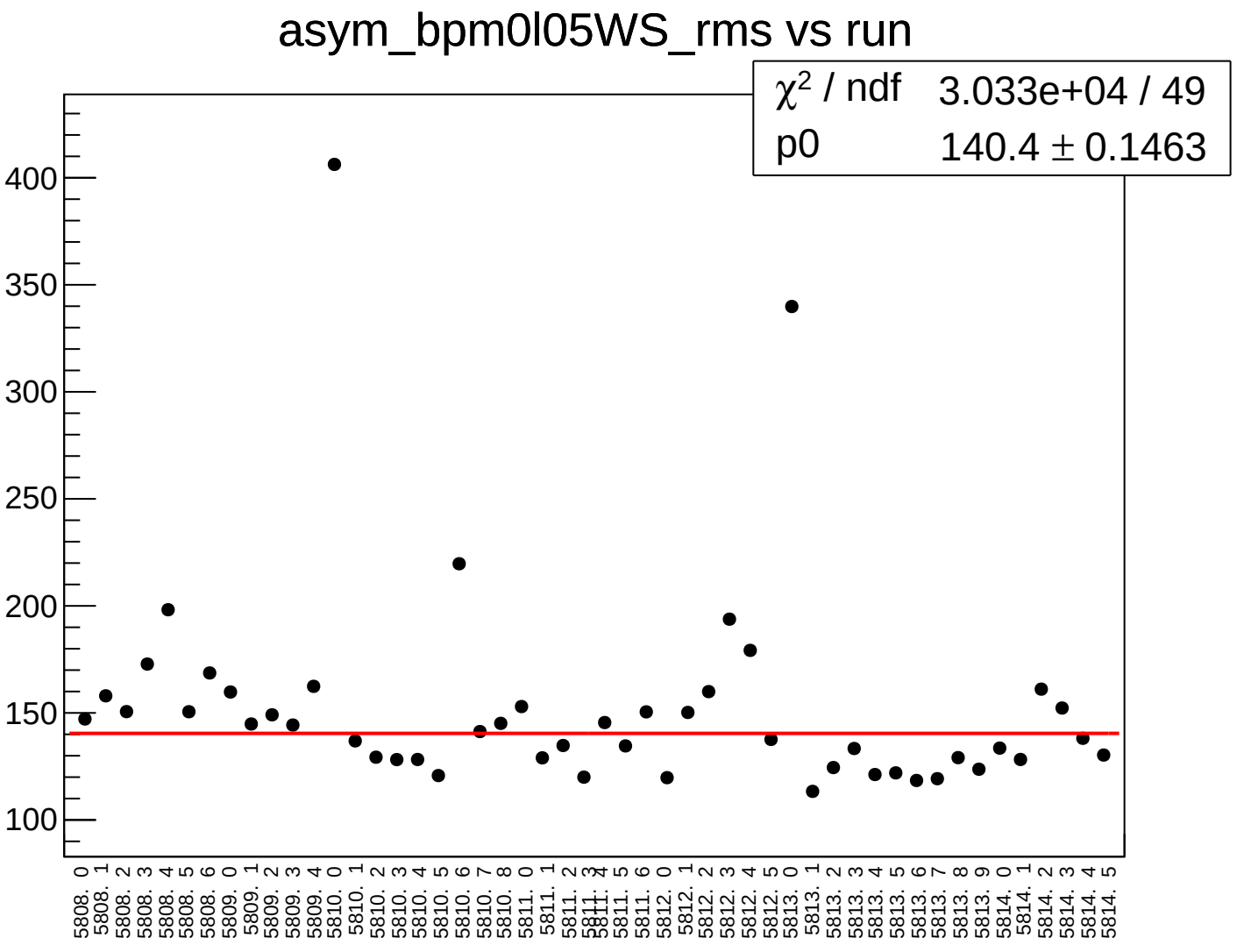

asym_bpm0l04WS_mean vs run
χ² / ndf 108.9 / 49
p0 846.6 ± 193
pull
Entries 50
Mean 2.203
Std Dev 51.56


pull1D
Entries 50
Mean 0.03514
Std Dev 1.476


asym_bpm0l04WS_rms vs run
χ² / ndf 3.5e+04 / 49
p0 130.7 ± 0.1365
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bpm0l05WS_mean vs run
χ² / ndf 104.4 / 49
p0 894.2 ± 206.9
pull
Entries 50
Mean −4.401
Std Dev 48.61


pull1D
Entries 50
Mean 0.03183
Std Dev 1.445


asym_bpm0l05WS_rms vs run
χ² / ndf 3.033e+04 / 49
p0 140.4 ± 0.1463
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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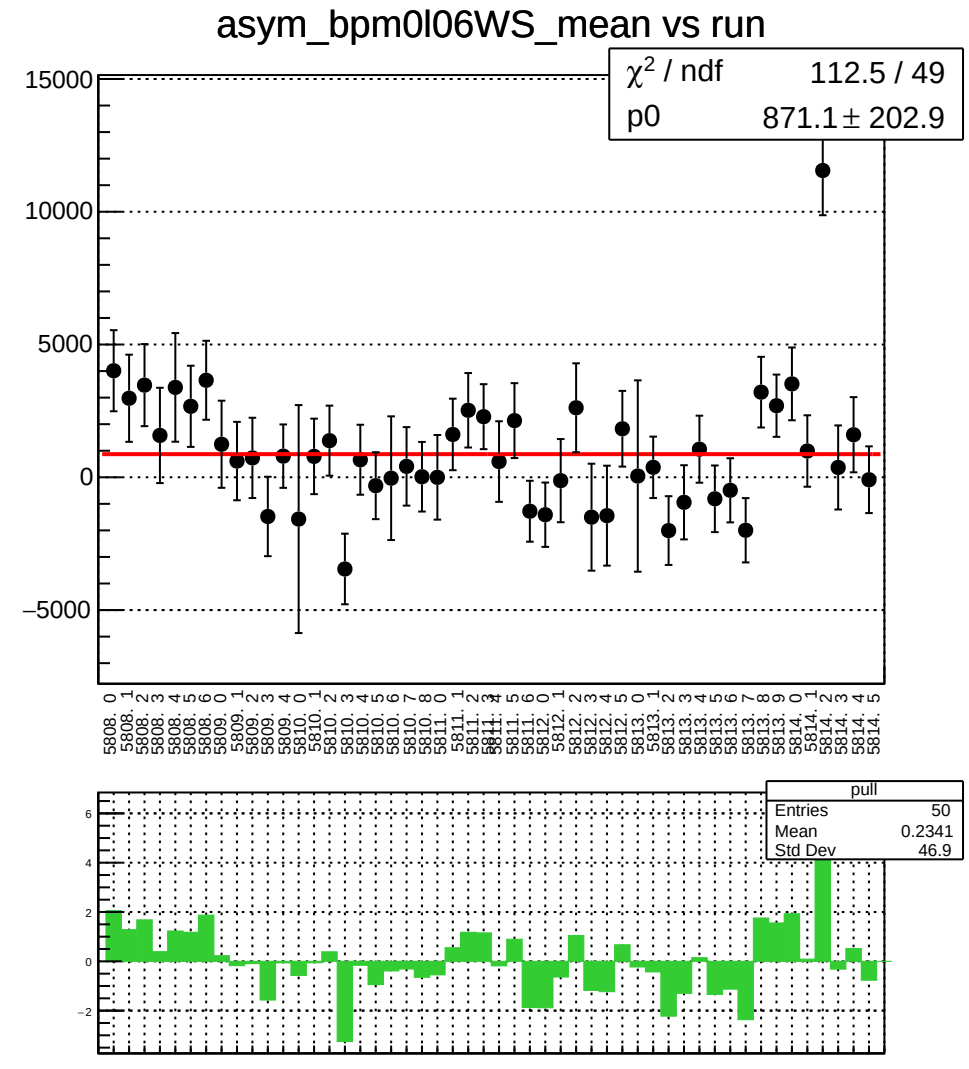
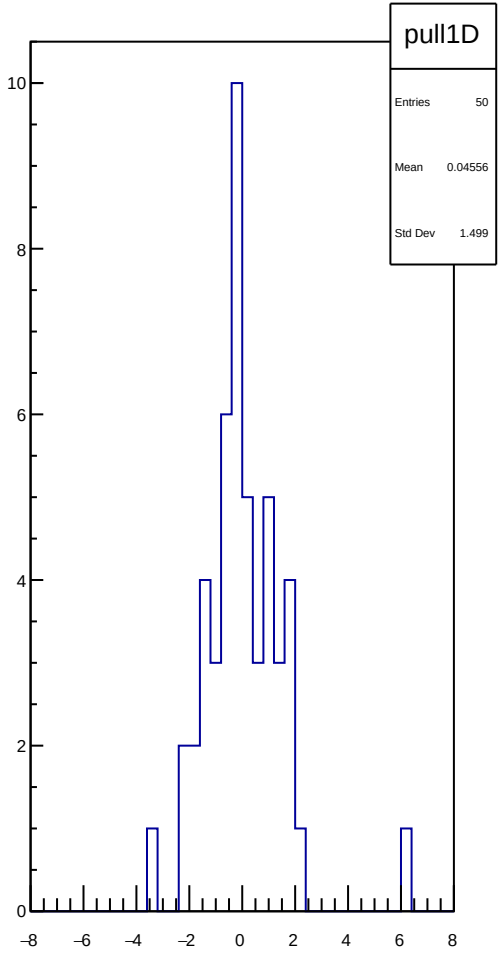
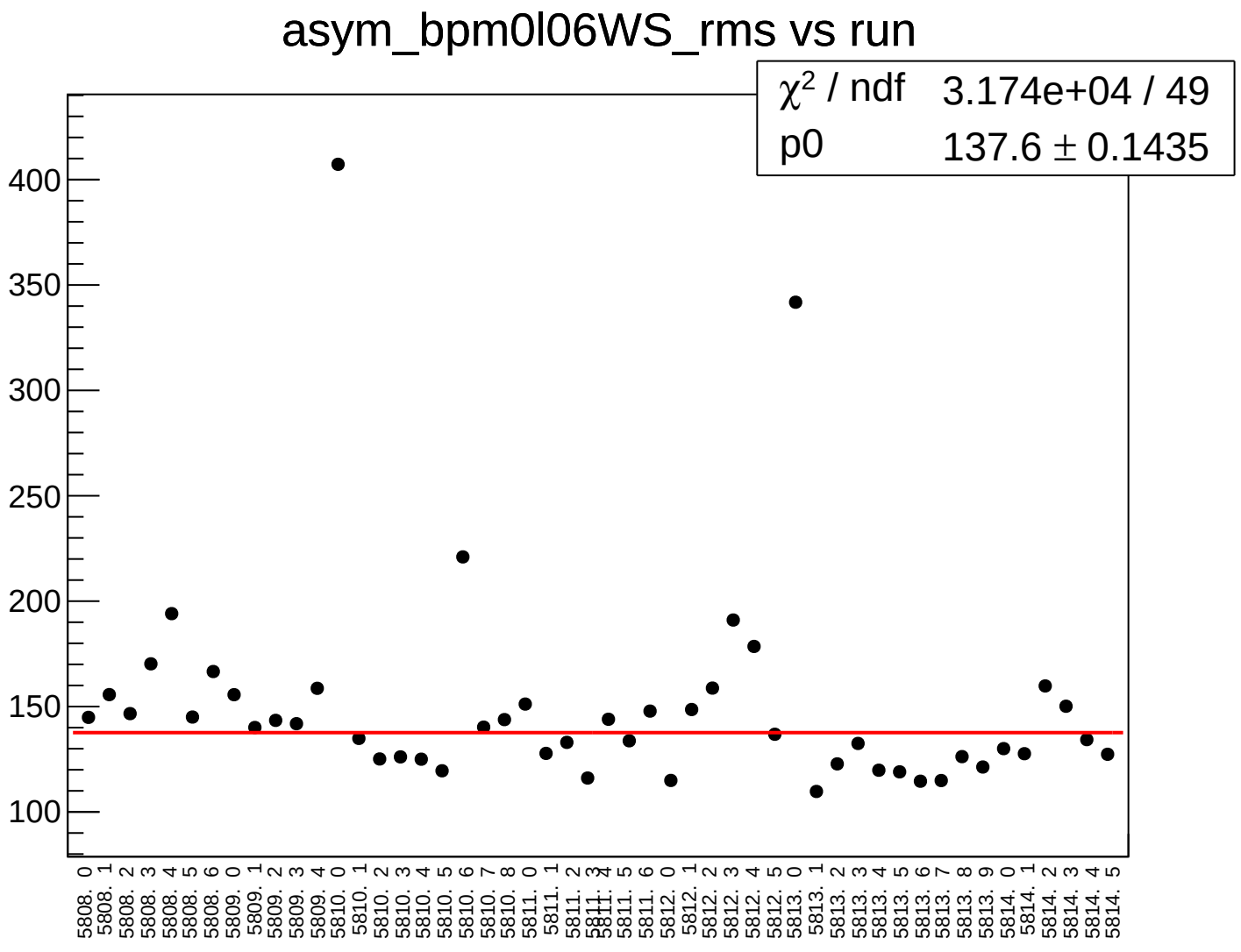
5814. 4
5814. 5


asym_bpm0l06WS_mean vs run
χ² / ndf 112.5 / 49
p0 871.1 ± 202.9
15000
10000
5000
0
−5000
pull
Entries 50
Mean 0.2341
Std Dev 46.9
6
4
2
0
−2


pull1D
Entries 50
Mean 0.04556
Std Dev 1.499
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bpm0l06WS_rms vs run
χ² / ndf 3.174e+04 / 49
p0 137.6 ± 0.1435
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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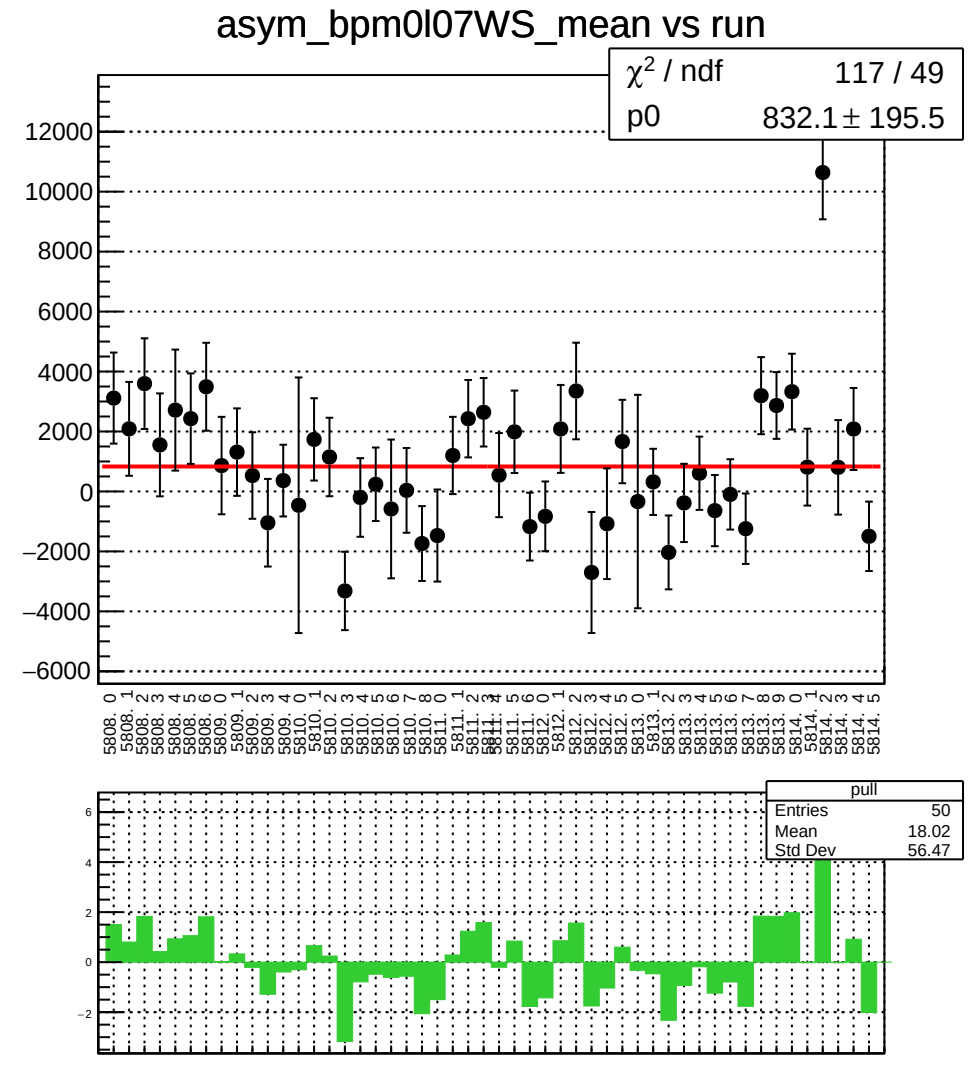
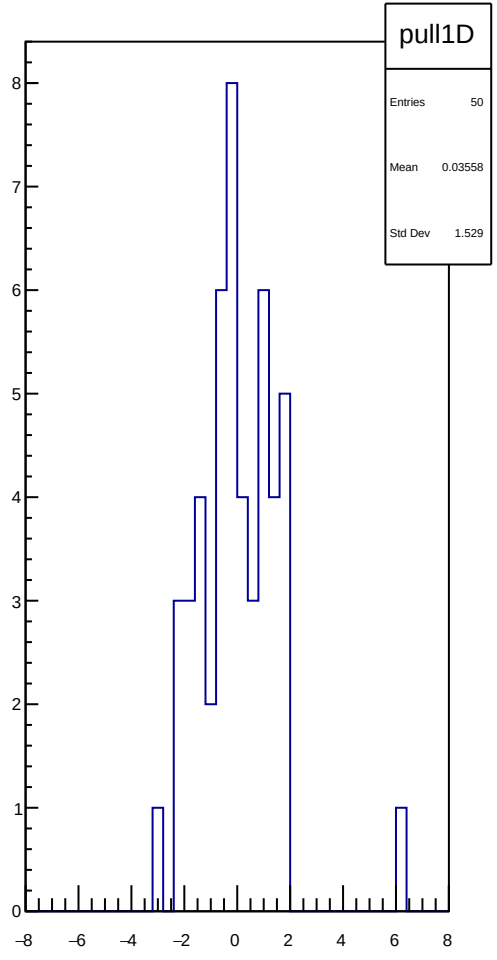
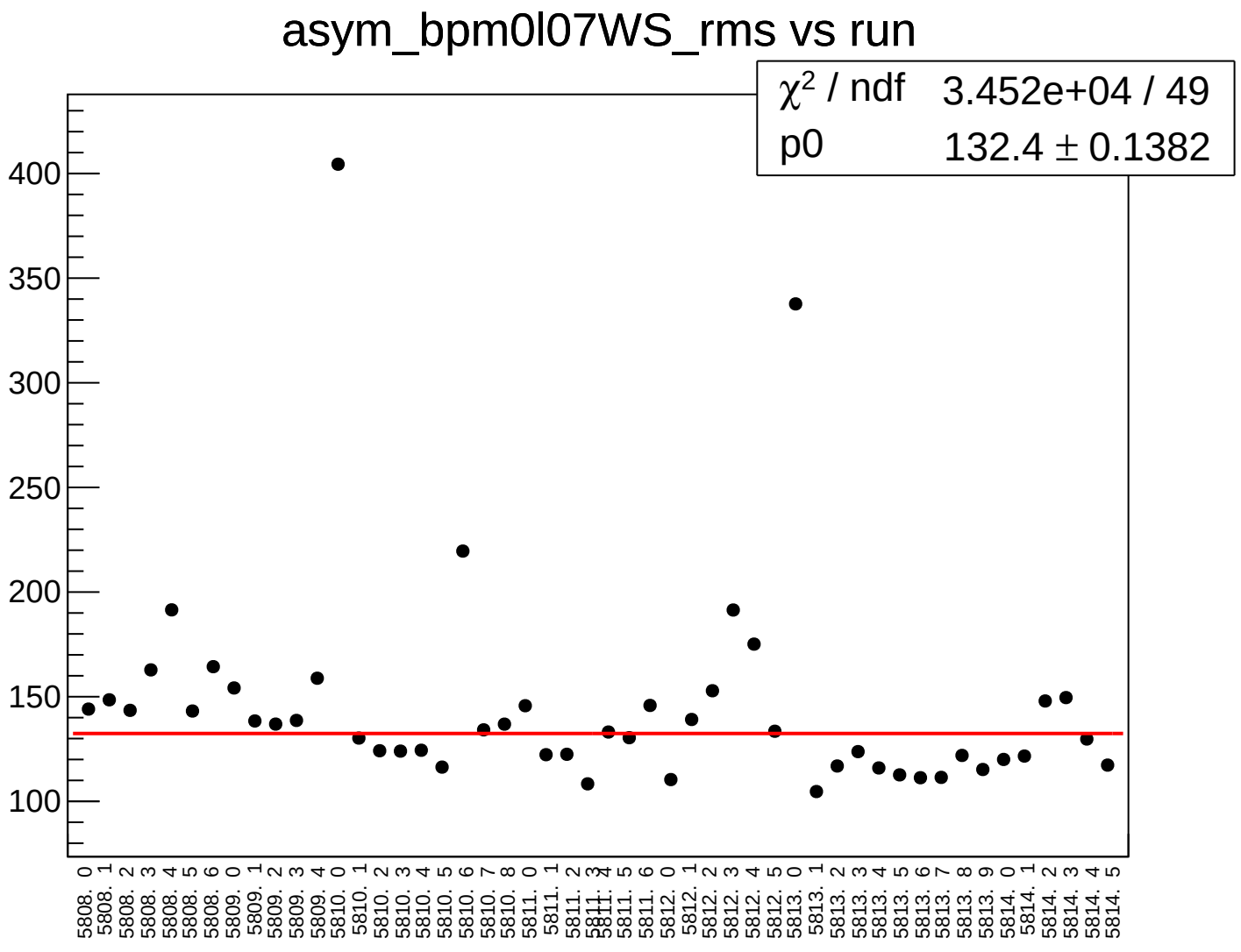
5814. 4
5814. 5


asym_bpm0l07WS_mean vs run
χ^2 / ndf 117 / 49
p0 832.1 ± 195.5
pull
Entries 50
Mean 18.02
Std Dev 56.47


pull1D
Entries 50
Mean 0.03558
Std Dev 1.529


asym_bpm0l07WS_rms vs run
χ² / ndf 3.452e+04 / 49
p0 132.4 ± 0.1382
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
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5812. 2
5812. 3
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5813. 5
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5813. 9
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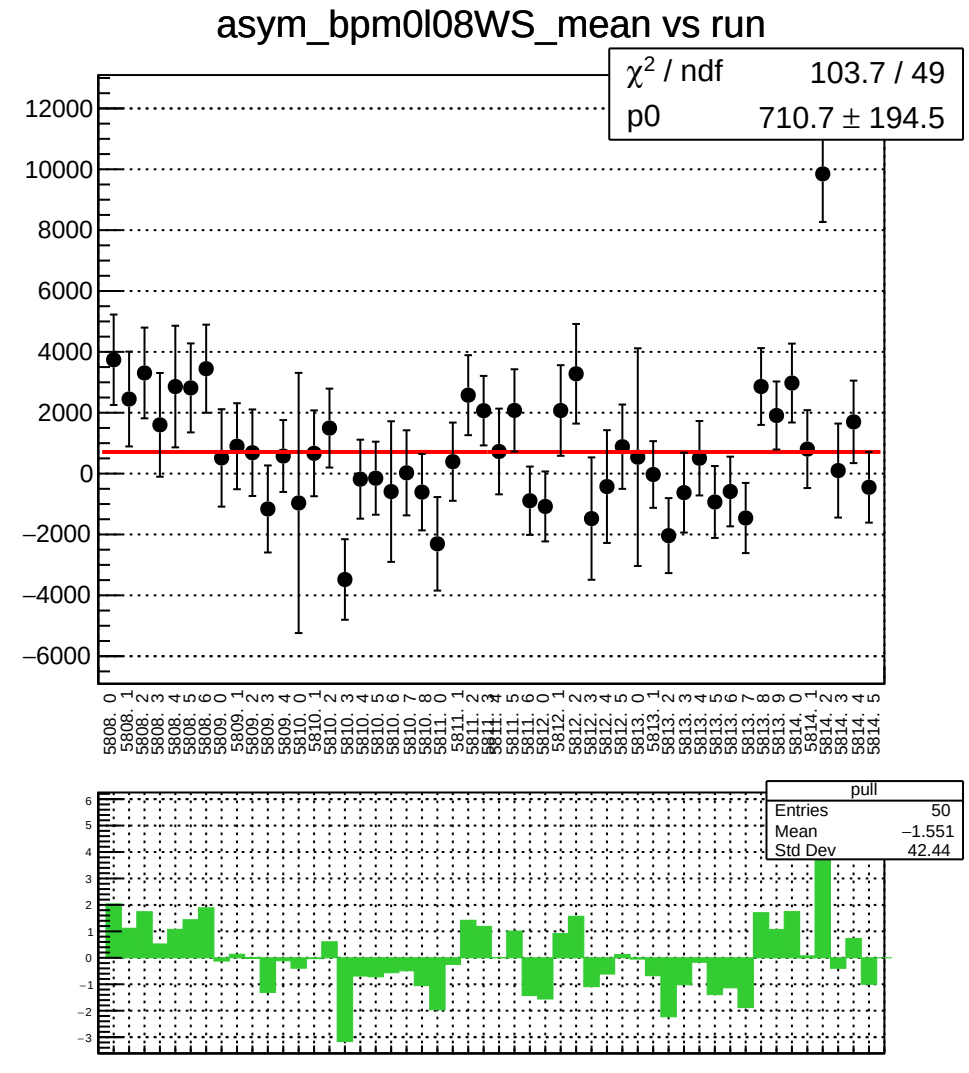
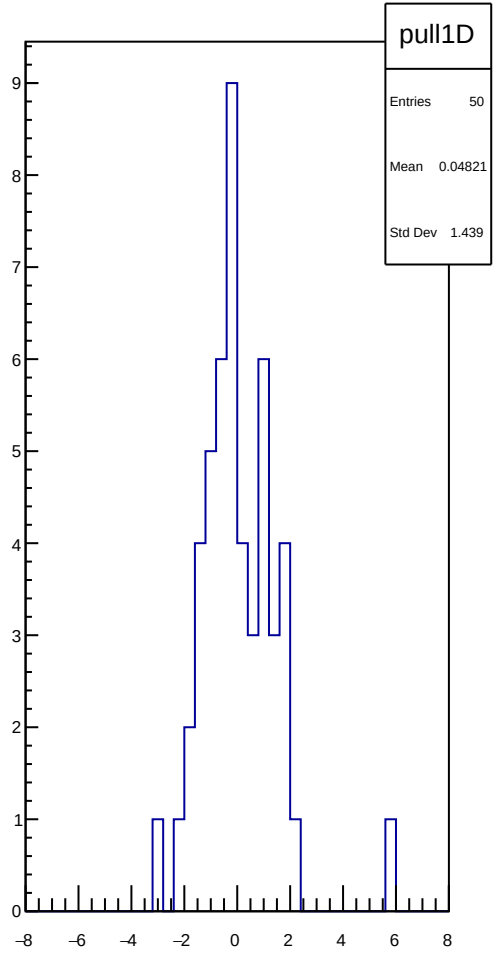
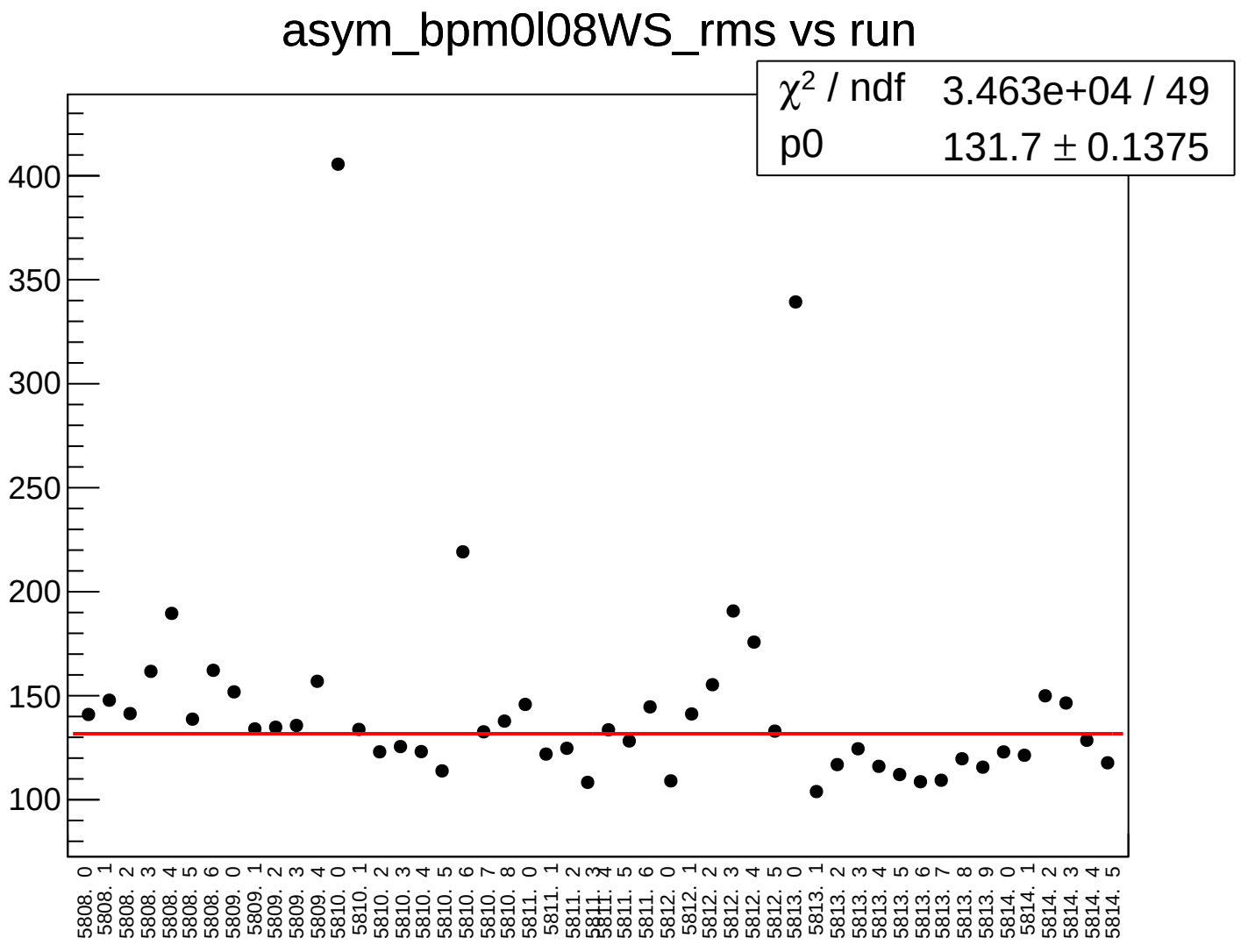
5814. 5


asym_bpm0l08WS_mean vs run
χ² / ndf 103.7 / 49
p0 710.7 ± 194.5
pull
Entries 50
Mean −1.551
Std Dev 42.44


pull1D
Entries 50
Mean 0.04821
Std Dev 1.439


asym_bpm0l08WS_rms vs run
χ² / ndf 3.463e+04 / 49
p0 131.7 ± 0.1375
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5812. 2
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5813. 9
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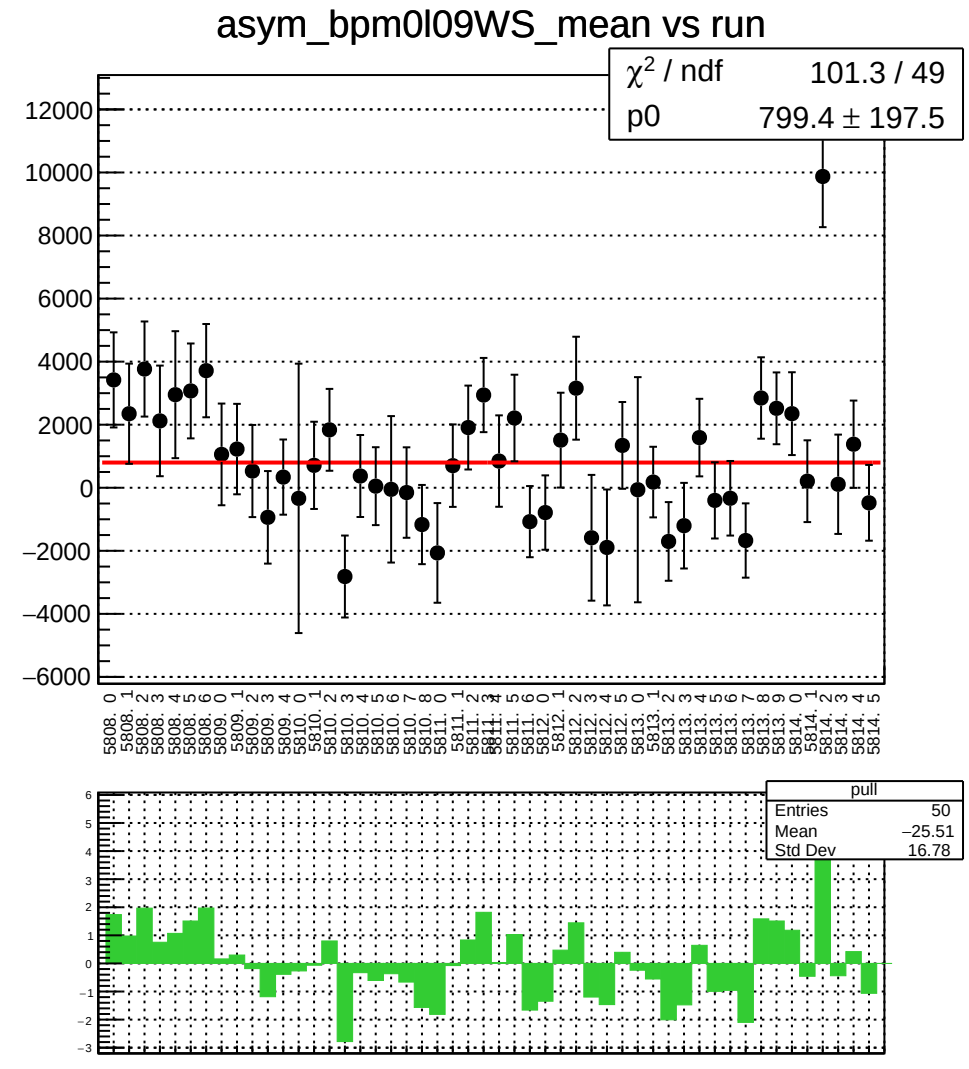
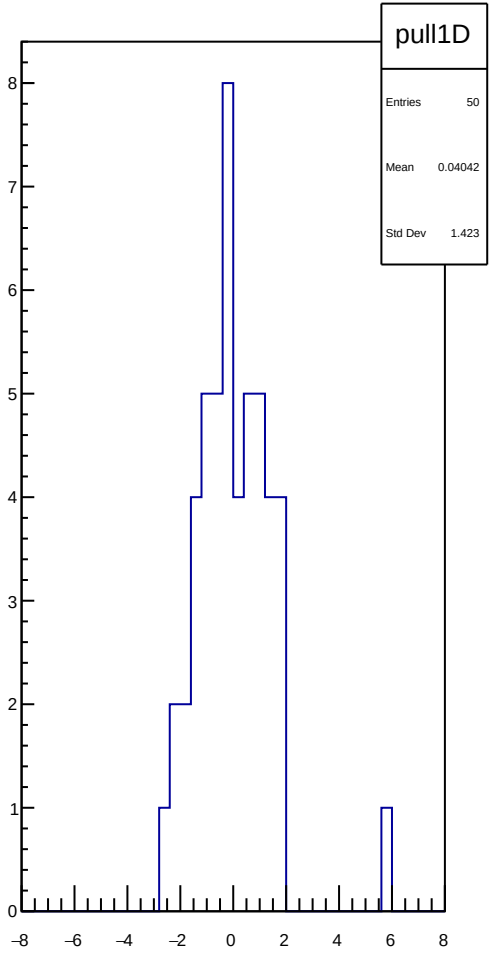
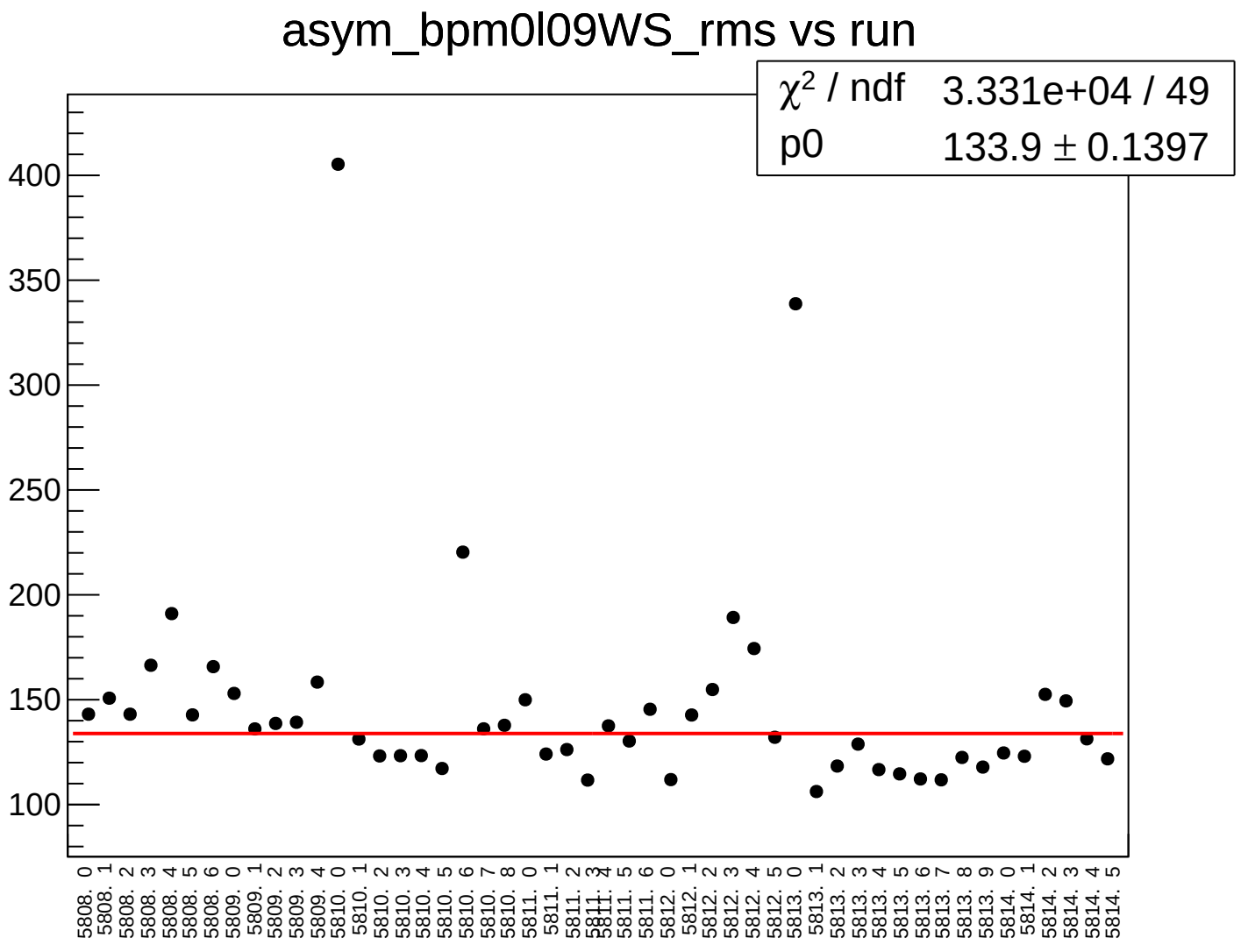
5814. 4
5814. 5


asym_bpm0l09WS_mean vs run
χ² / ndf 101.3 / 49
p0 799.4 ± 197.5
pull
Entries 50
Mean −25.51
Std Dev 16.78


pull1D
Entries 50
Mean 0.04042
Std Dev 1.423


asym_bpm0l09WS_rms vs run
χ² / ndf 3.331e+04 / 49
p0 133.9 ± 0.1397
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 9
5814. 0
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5814. 2
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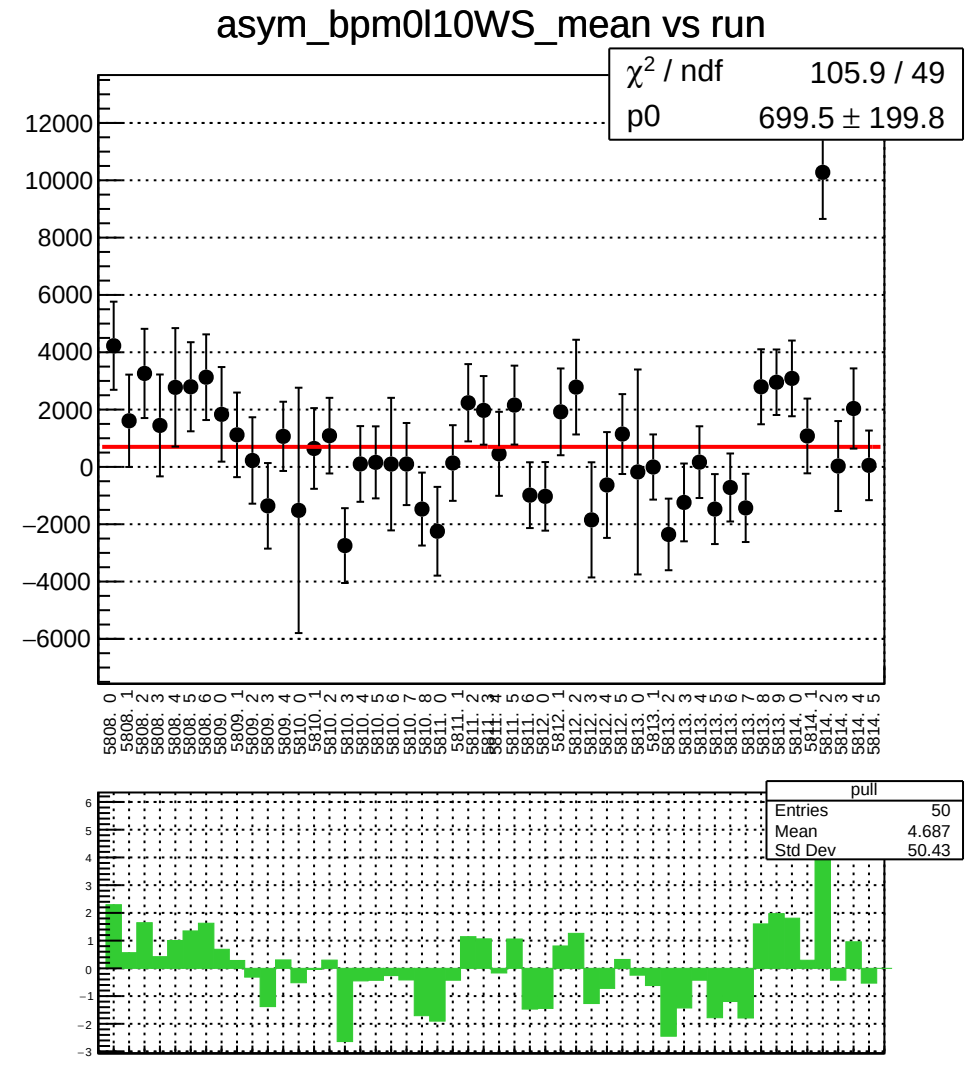
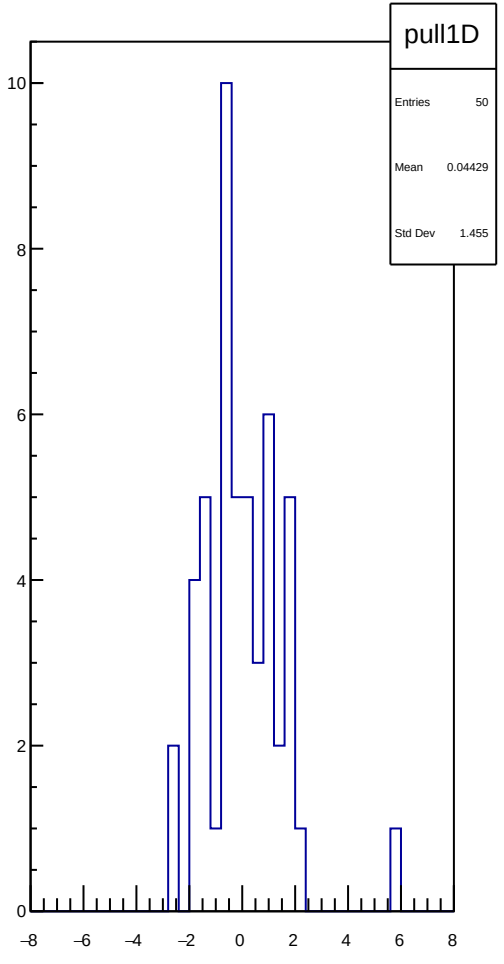
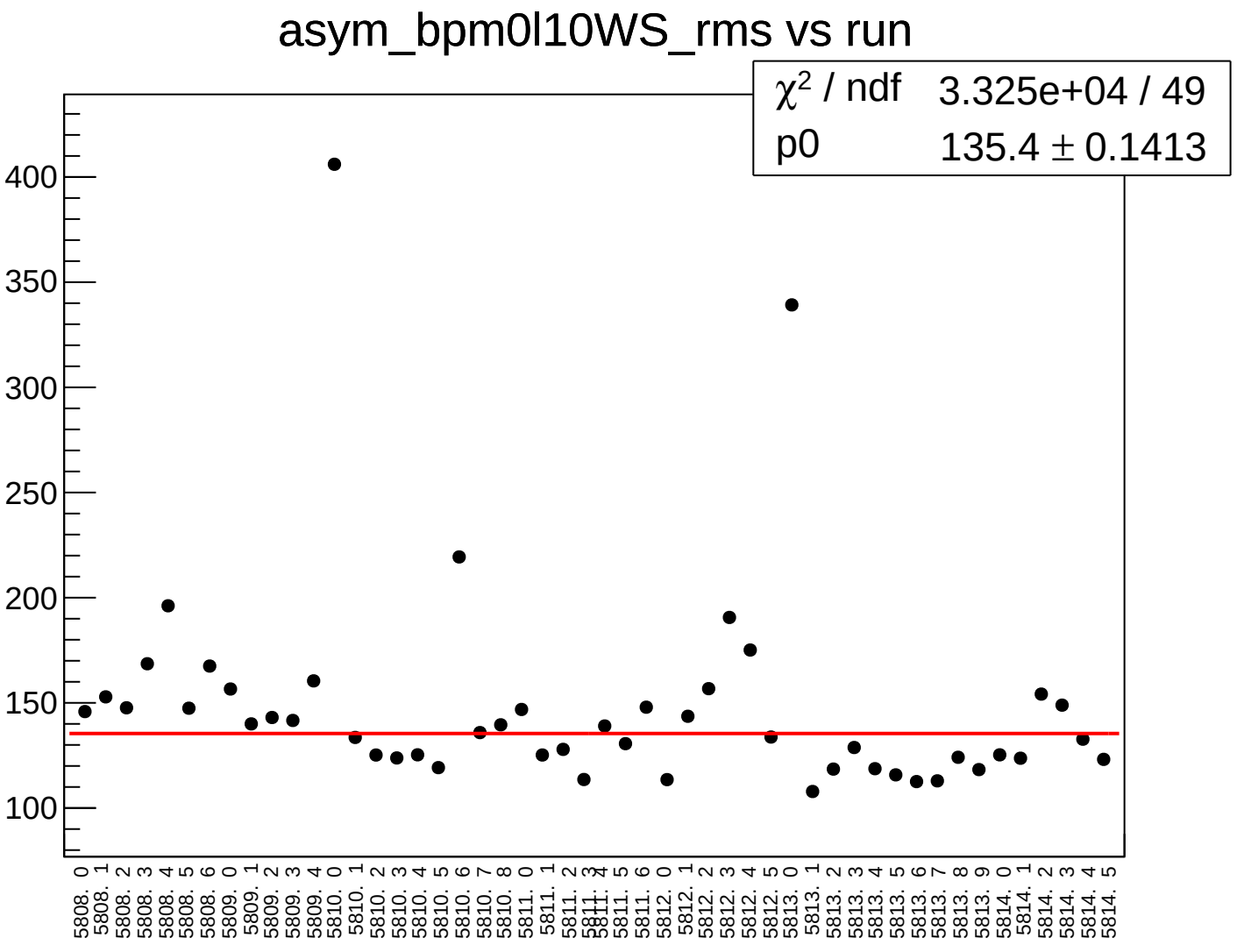
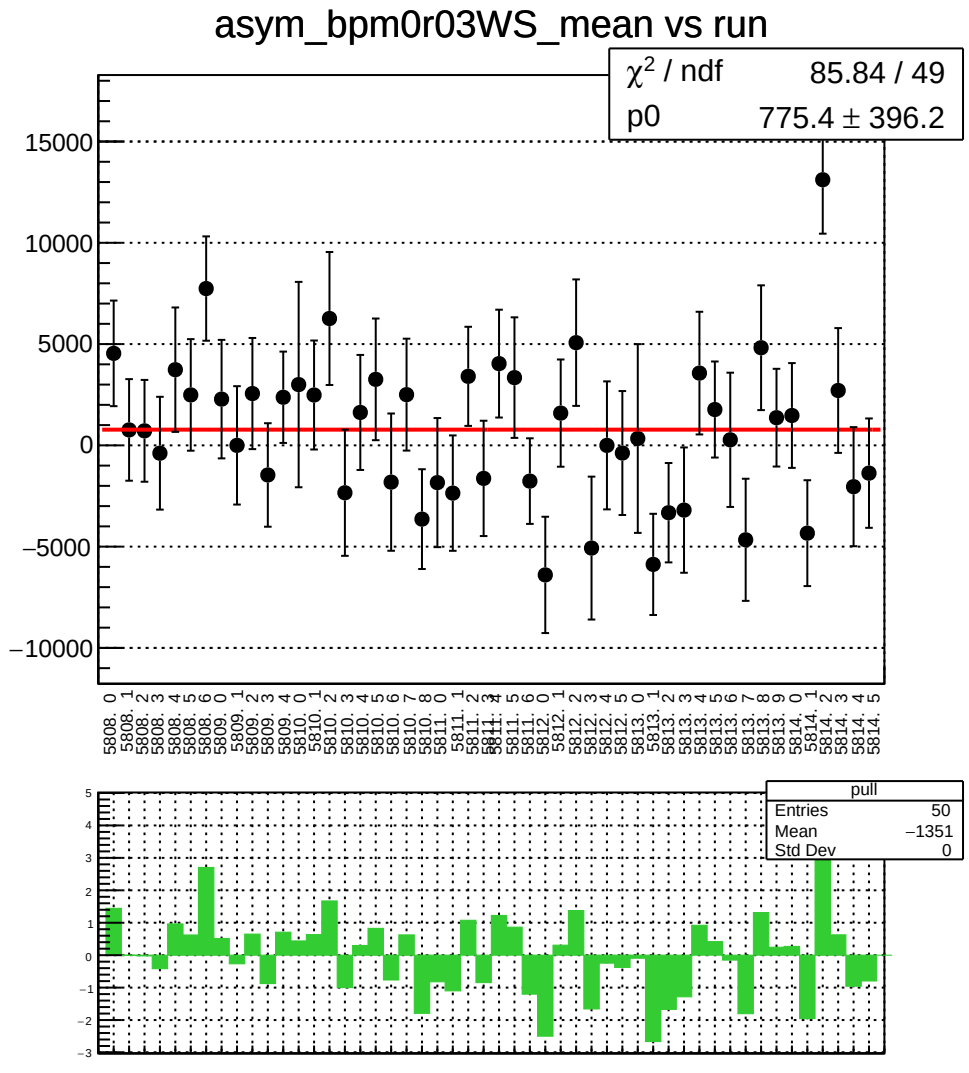
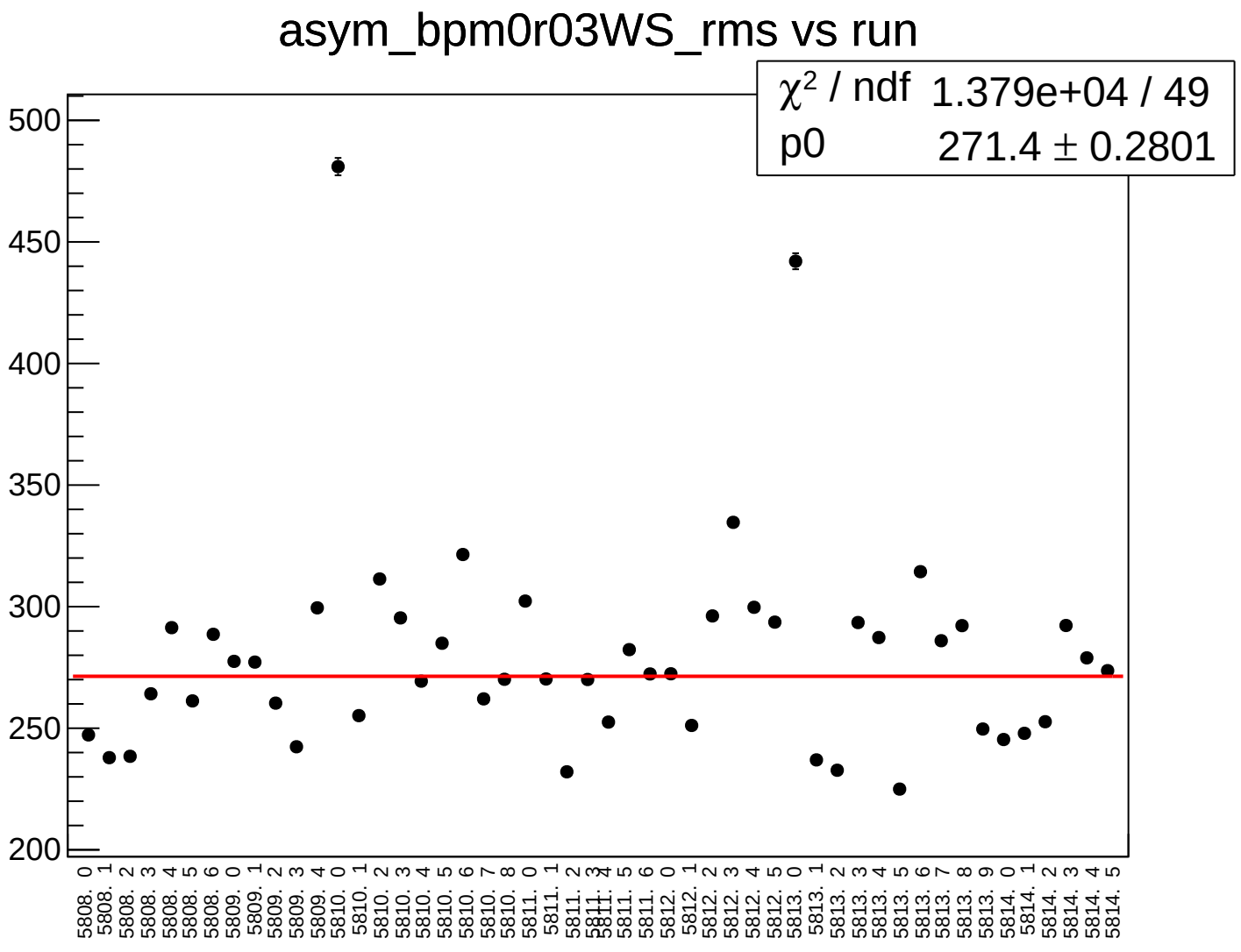
5814. 4
5814. 5

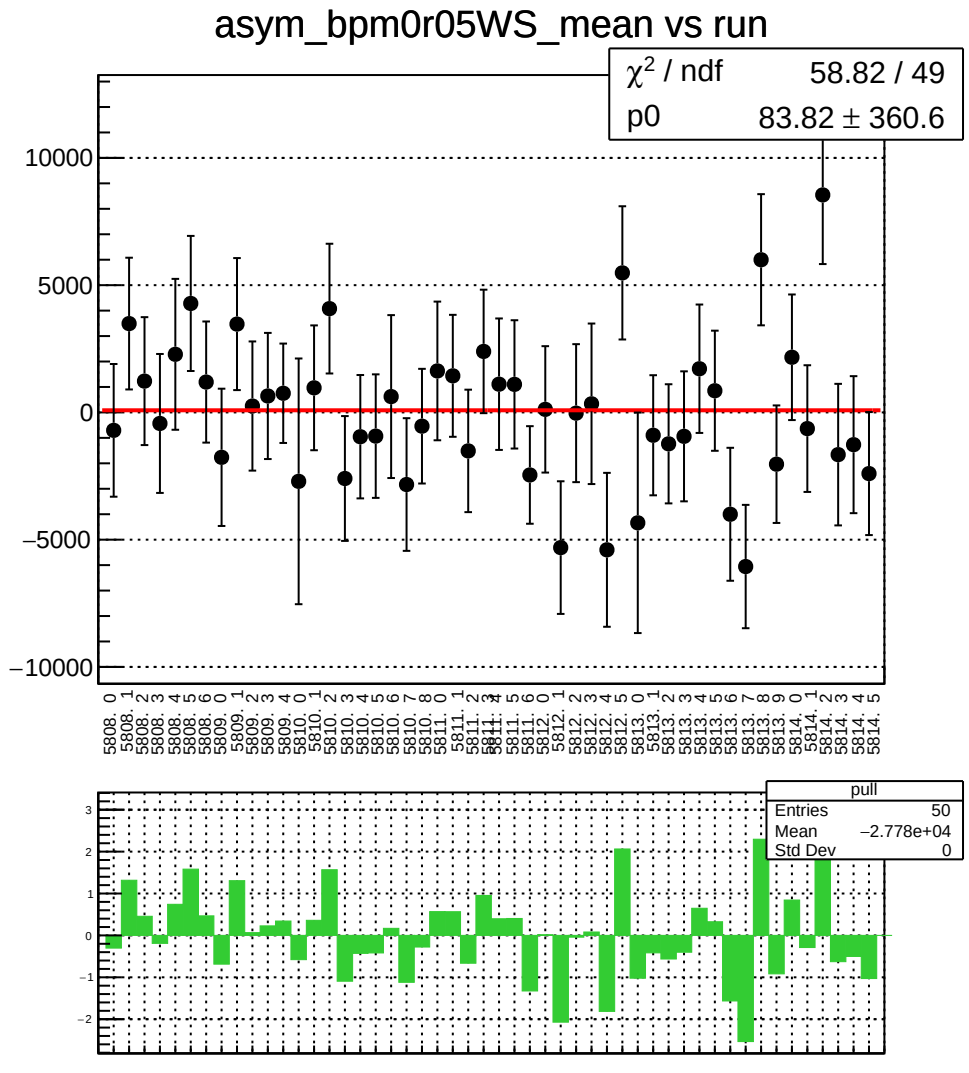

asym_bpm0l10WS_mean vs run
χ² / ndf 105.9 / 49
p0 699.5 ± 199.8
pull
Entries 50
Mean 4.687
Std Dev 50.43

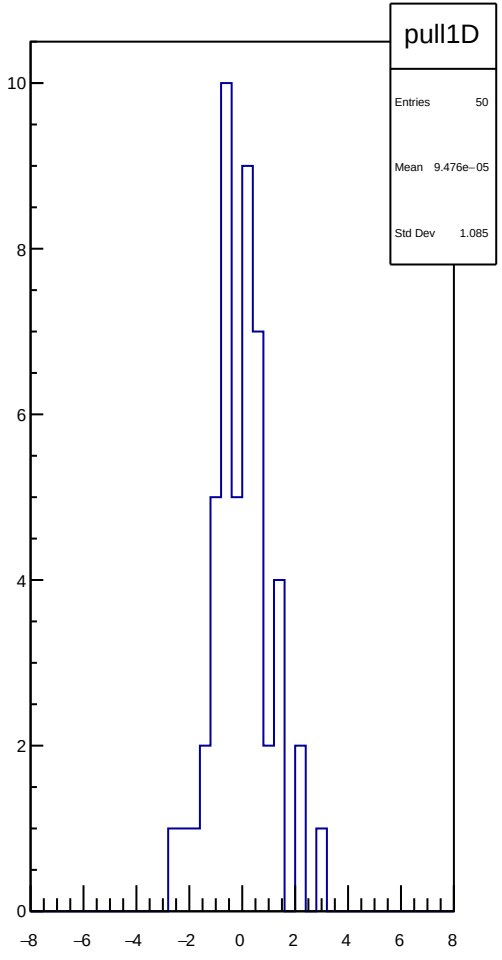

pull1D
Entries 50
Mean 0.04429
Std Dev 1.455

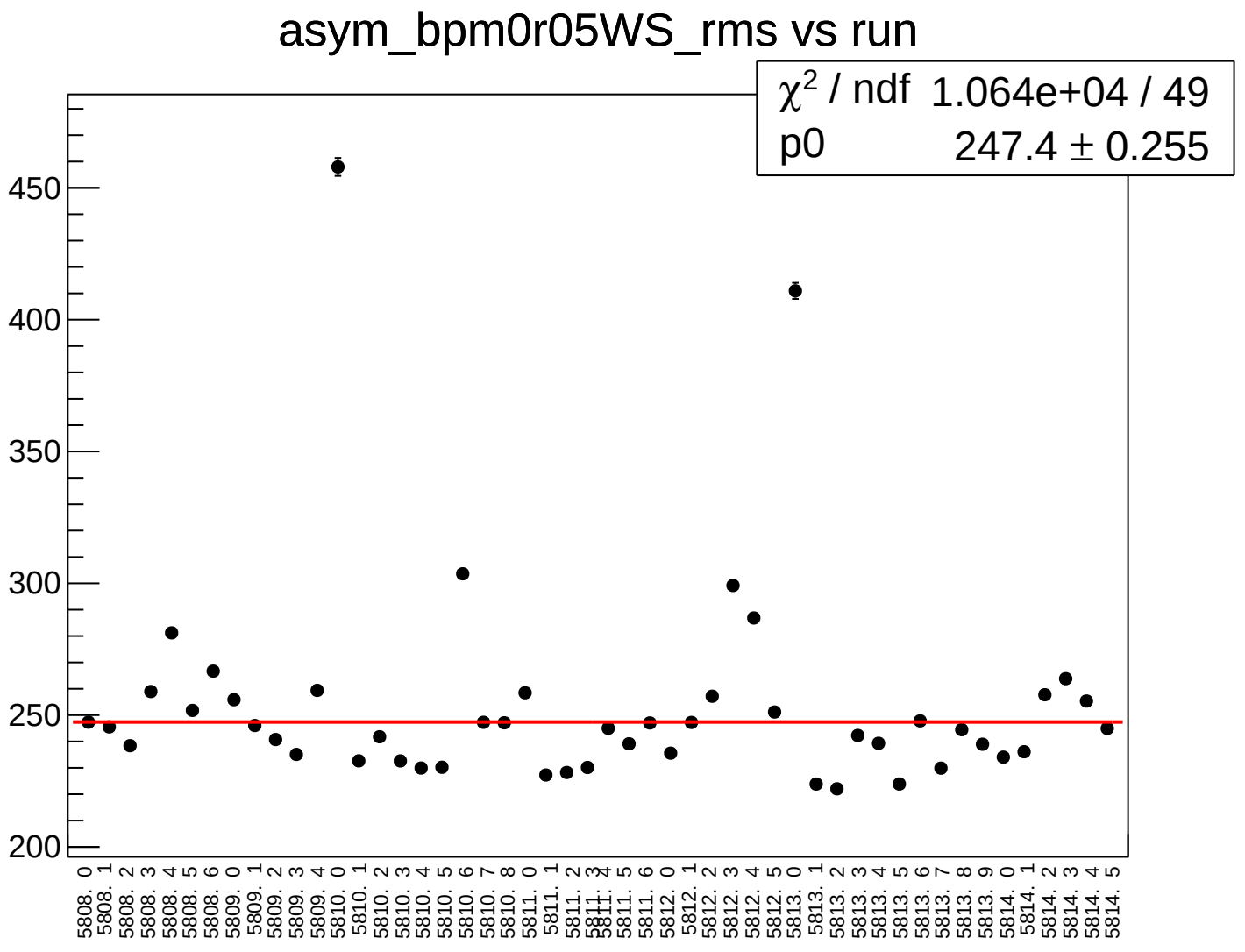

asym_bpm0l10WS_rms vs run
χ² / ndf 3.325e+04 / 49
p0 135.4 ± 0.1413
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

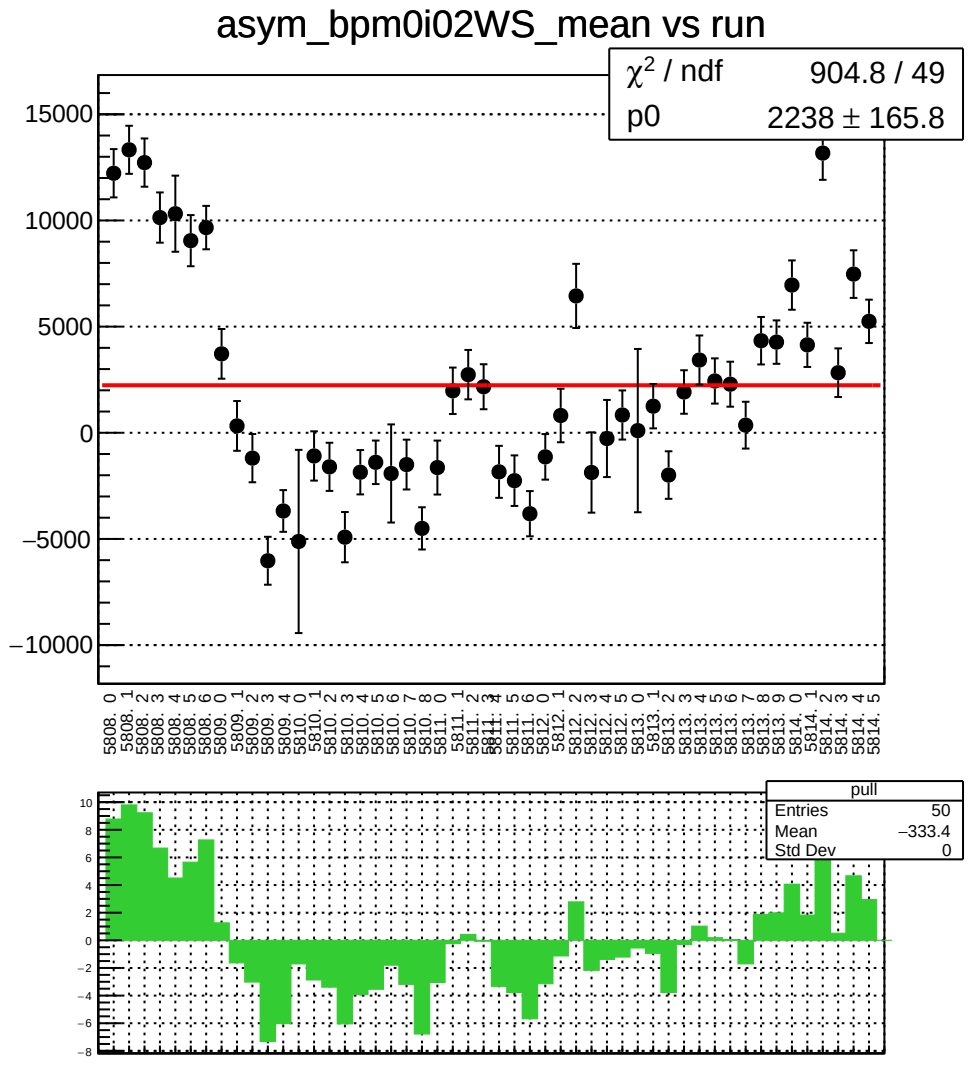

asym_bpm0r03WS_mean vs run
χ² / ndf 85.84 / 49
p0 775.4 ± 396.2
15000
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1351
Std Dev 0
5
4
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.002396
Std Dev 1.31
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

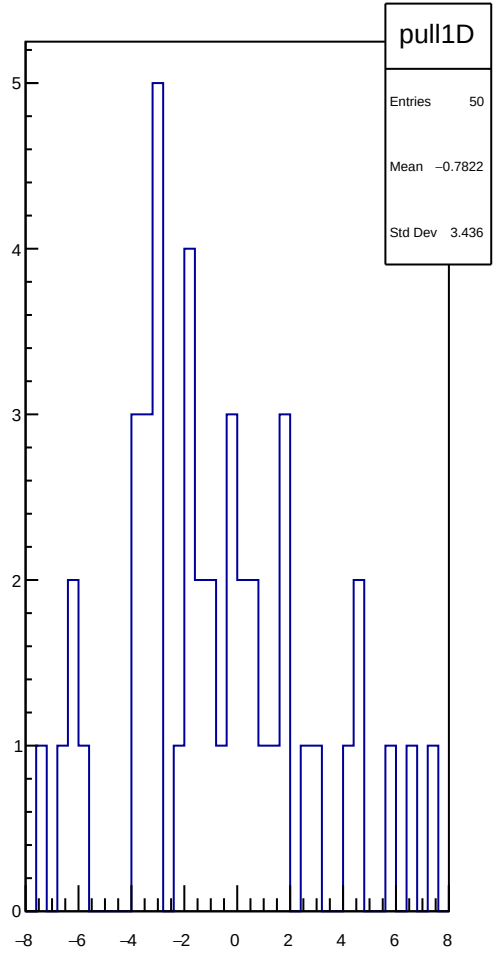

asym_bpm0r03WS_rms vs run
χ² / ndf 1.379e+04 / 49
p0 271.4 ± 0.2801
500
450
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

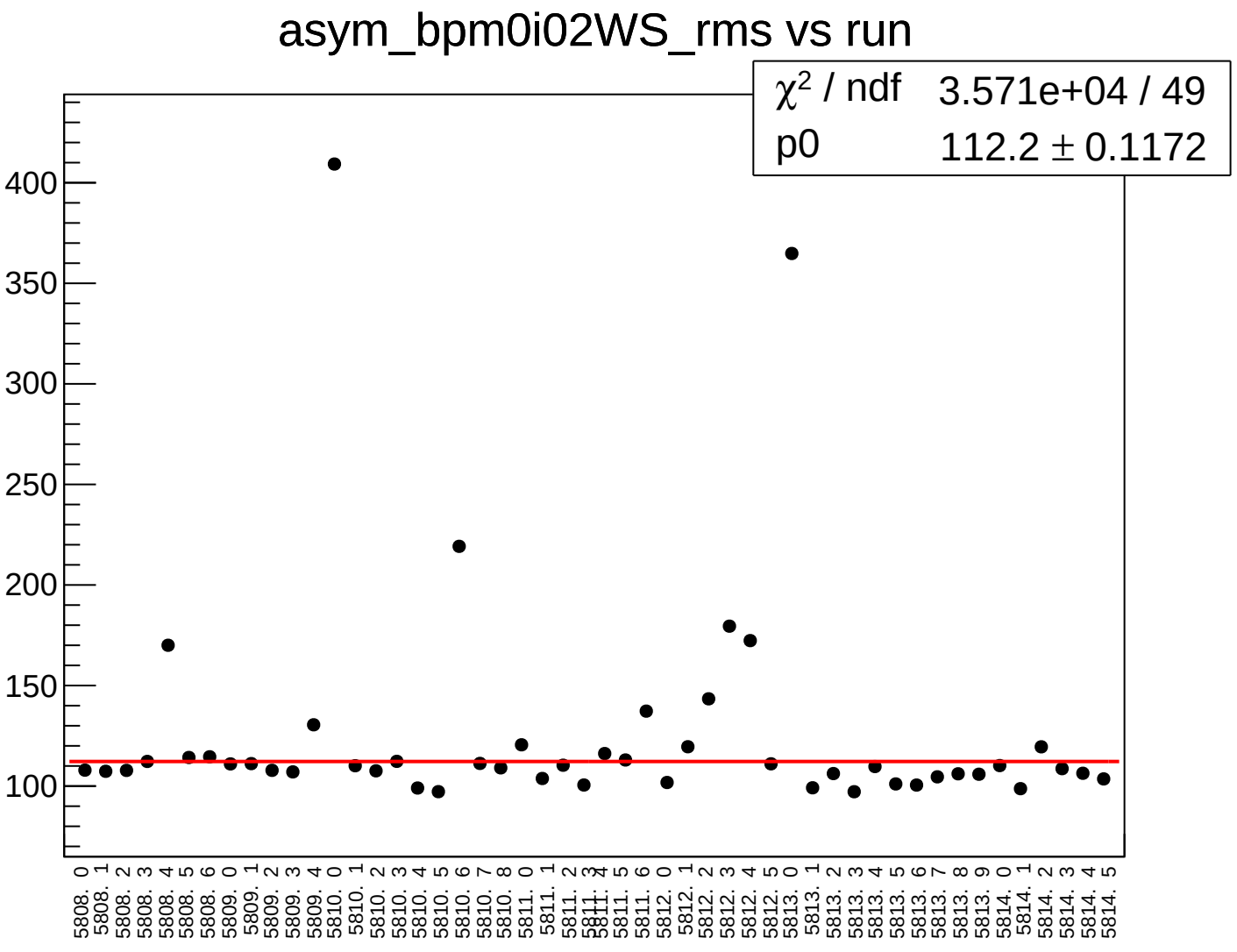

asym_bpm0r05WS_mean vs run
χ² / ndf 58.82 / 49
p0 83.82 ± 360.6
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −2.778e+04
Std Dev 0
3
2
1
0
−1
−2

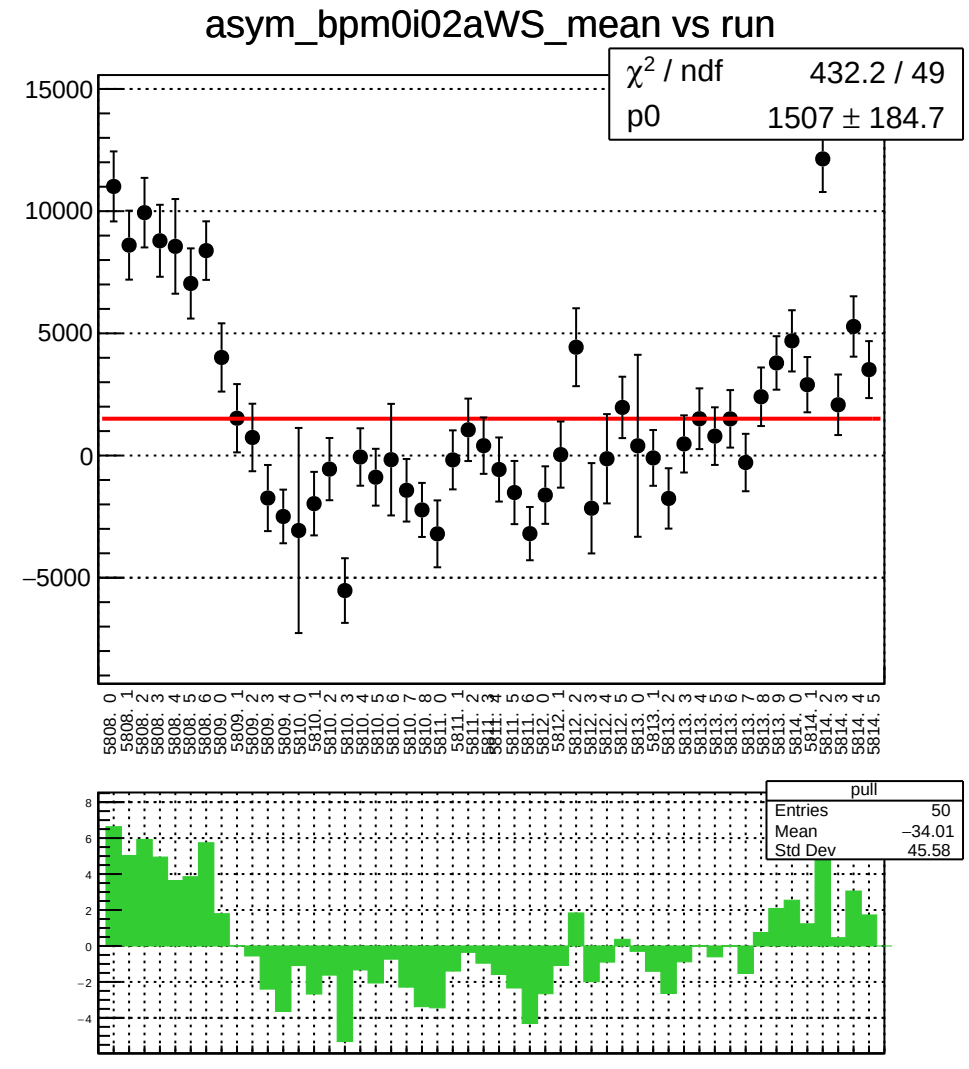

pull1D
Entries 50
Mean 9.476e−05
Std Dev 1.085
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

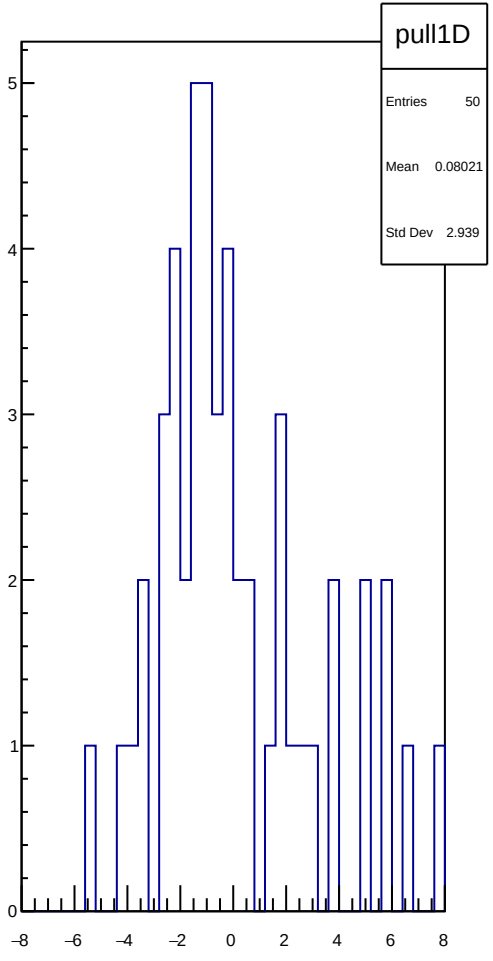

asym_bpm0r05WS_rms vs run
χ² / ndf 1.064e+04 / 49
p0 247.4 ± 0.255
450
400
350
300
250
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

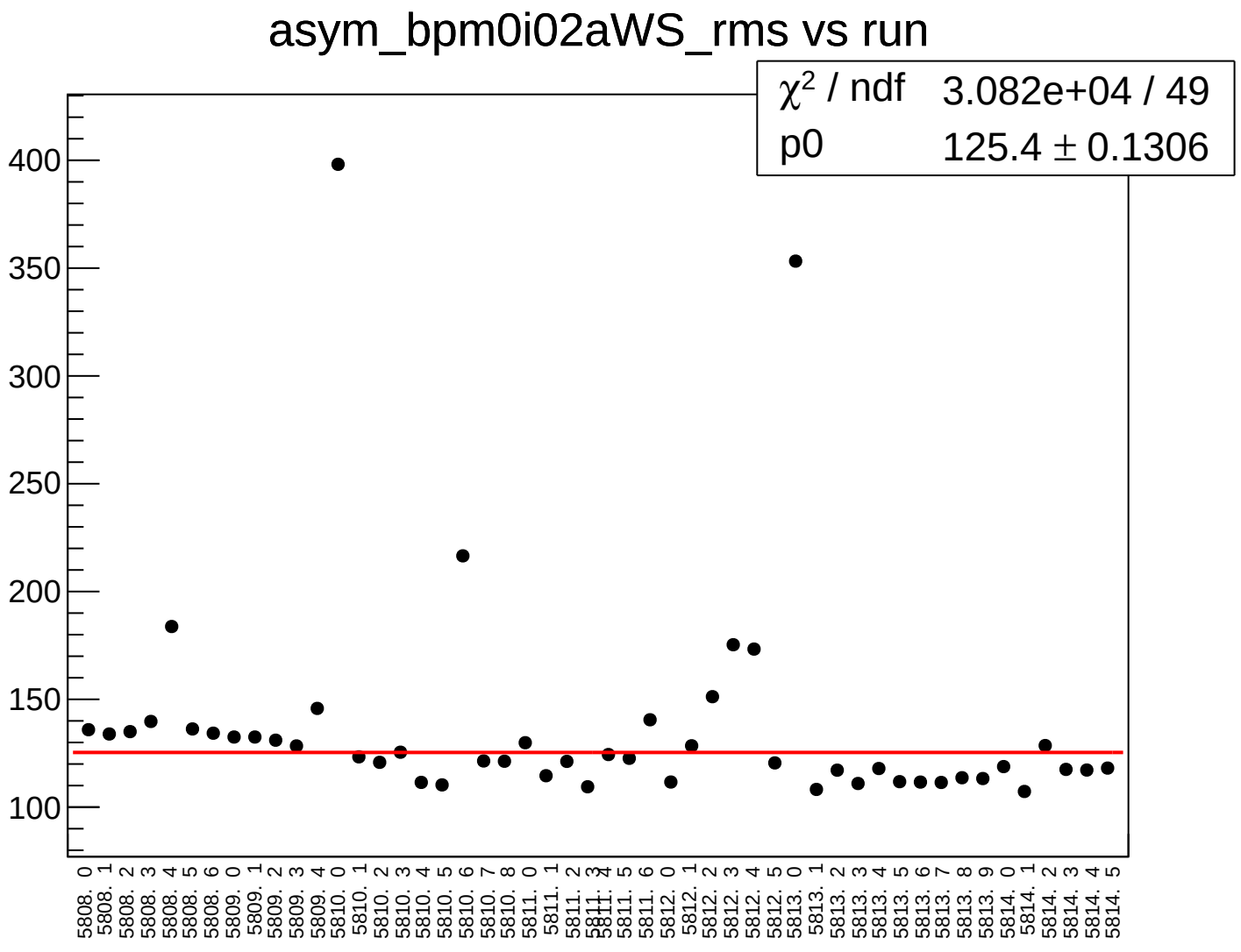

asym_bpm0i02WS_mean vs run
χ² / ndf 904.8 / 49
p0 2238 ± 165.8
15000
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −333.4
Std Dev 0
10
8
6
4
2
0
−2
−4
−6
−8

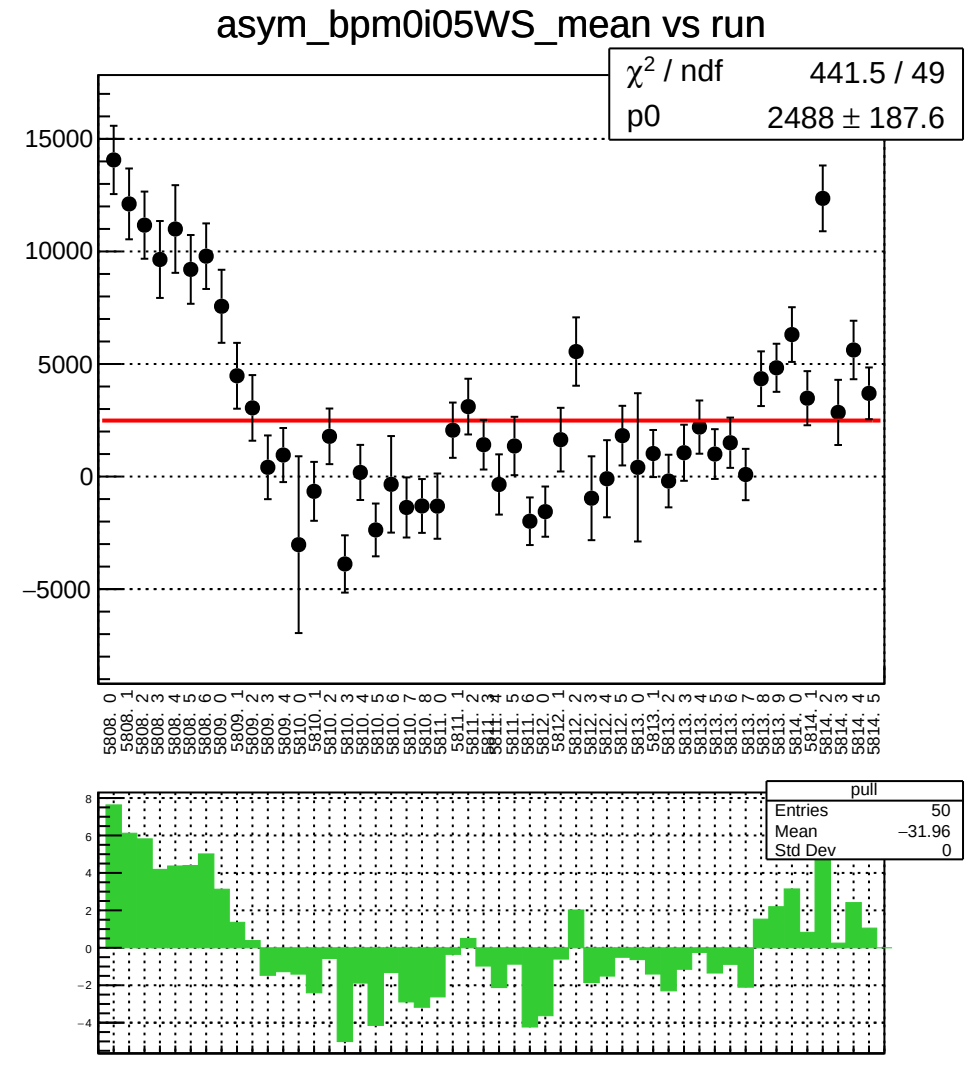

pull1D
Entries 50
Mean −0.7822
Std Dev 3.436
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

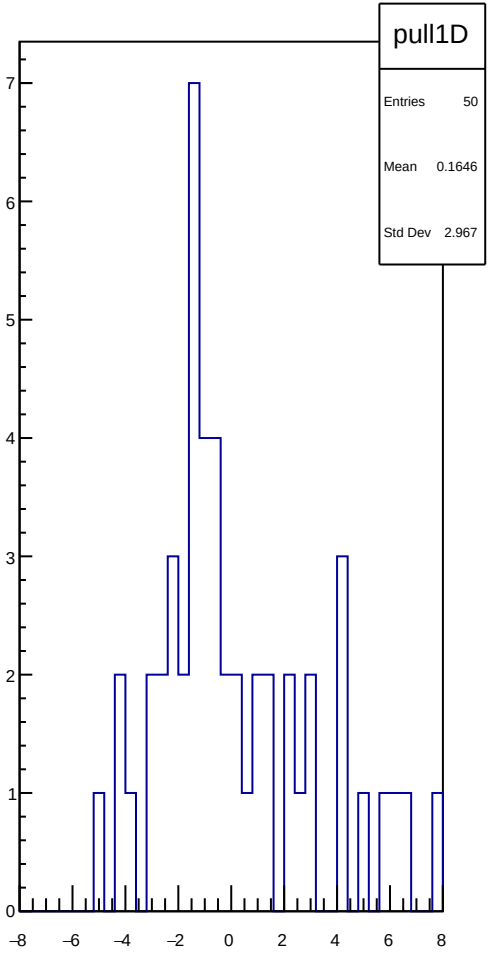

asym_bpm0i02WS_rms vs run
χ² / ndf 3.571e+04 / 49
p0 112.2 ± 0.1172
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

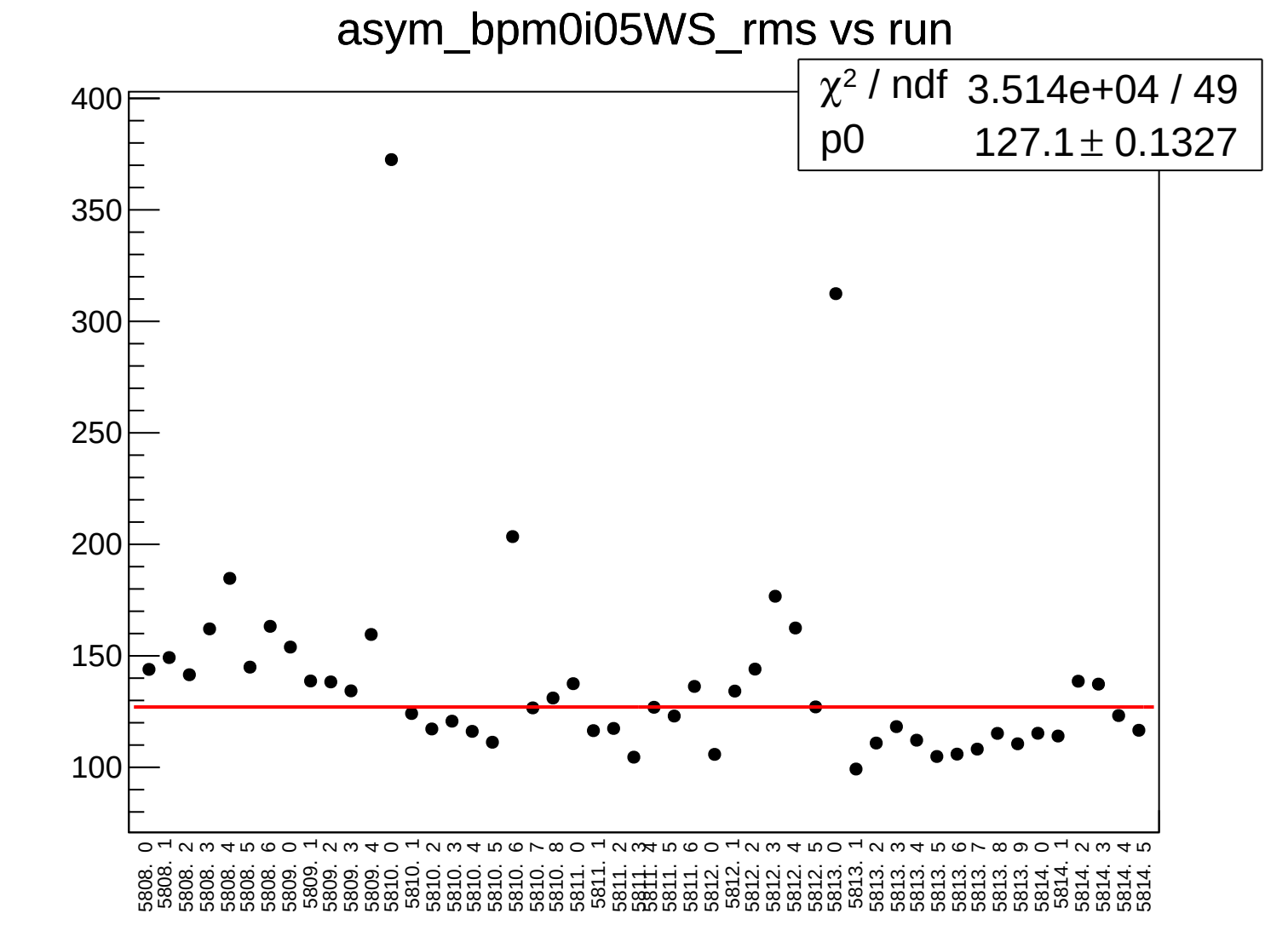

asym_bpm0i02aWS_mean vs run
χ² / ndf 432.2 / 49
p0 1507 ± 184.7
15000
10000
5000
0
−5000
pull
Entries 50
Mean −34.01
Std Dev 45.58

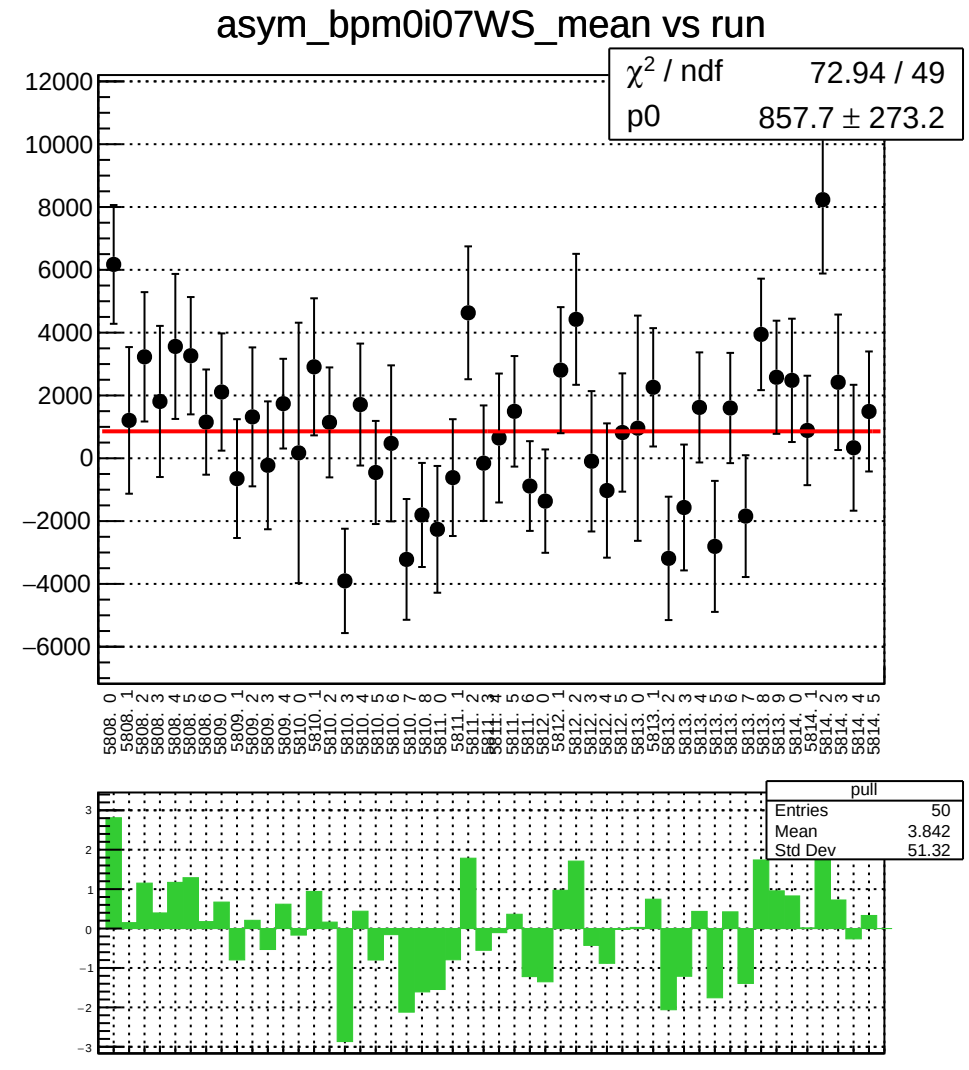

pull1D
Entries 50
Mean 0.08021
Std Dev 2.939

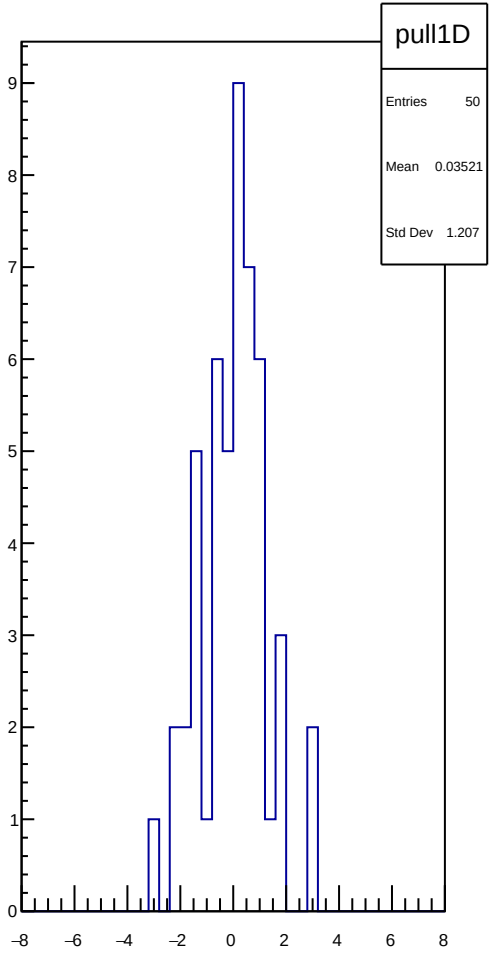

asym_bpm0i02aWS_rms vs run
χ² / ndf 3.082e+04 / 49
p0 125.4 ± 0.1306
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

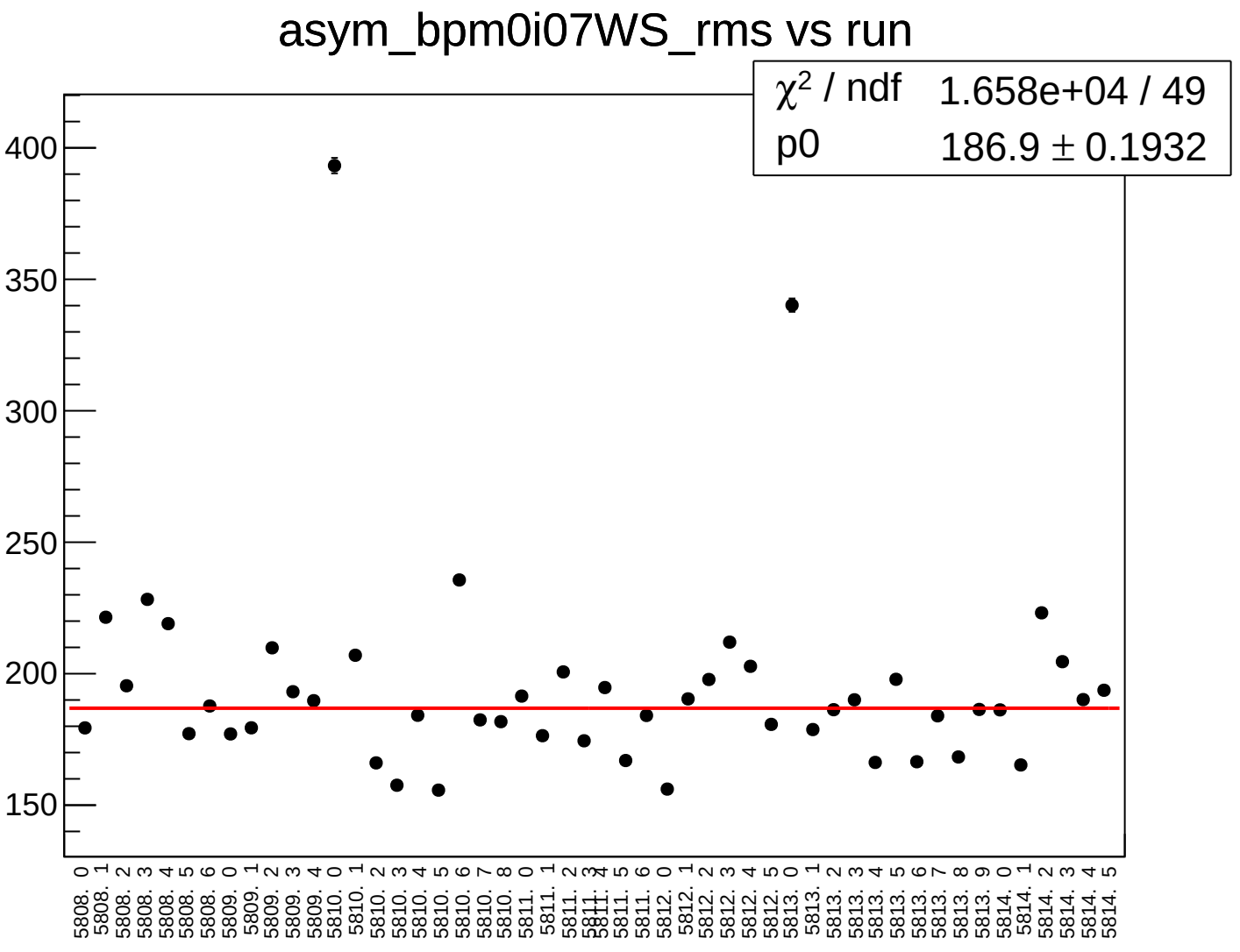

asym_bpm0i05WS_mean vs run
χ² / ndf 441.5 / 49
p0 2488 ± 187.6
15000
10000
5000
0
−5000
pull
Entries 50
Mean −31.96
Std Dev 0
8
6
4
2
0
−2
−4

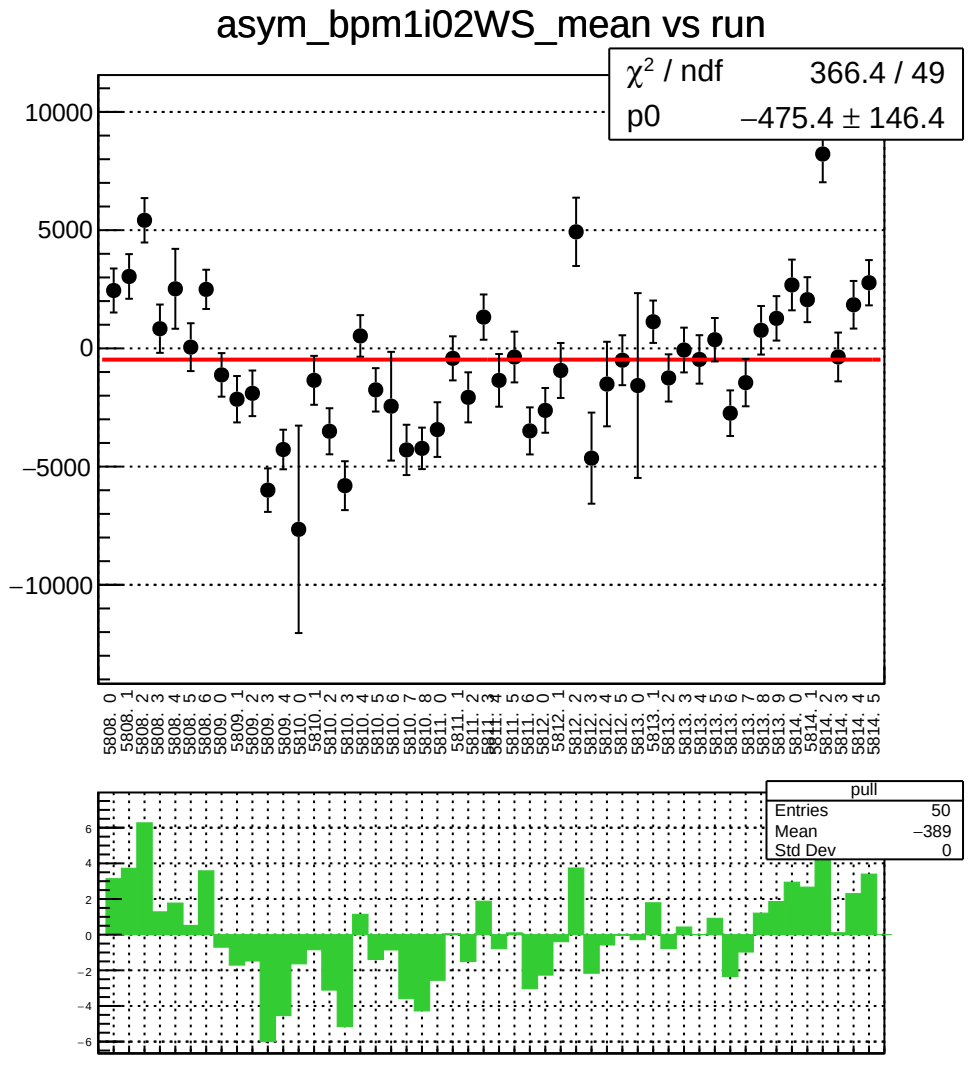

pull1D
Entries 50
Mean 0.1646
Std Dev 2.967
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

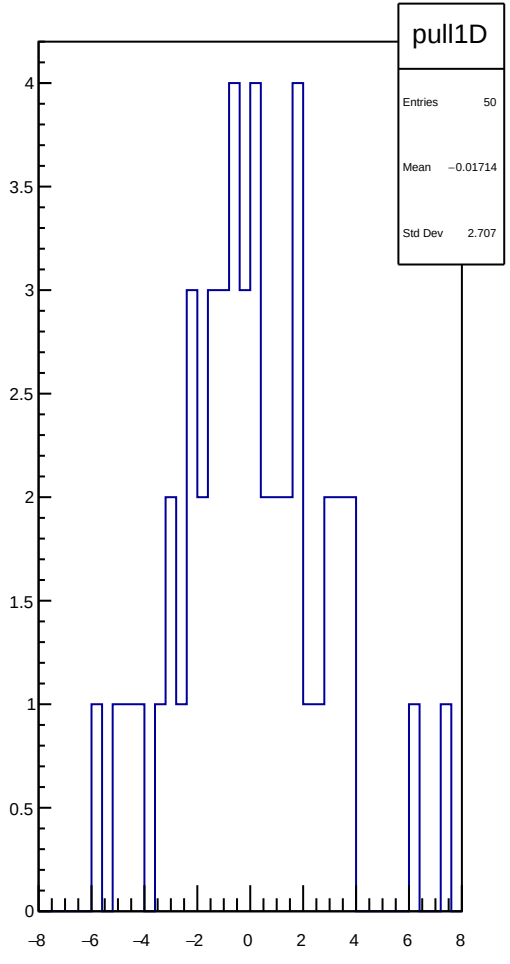

asym_bpm0i05WS_rms vs run
χ² / ndf 3.514e+04 / 49
p0 127.1 ± 0.1327
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

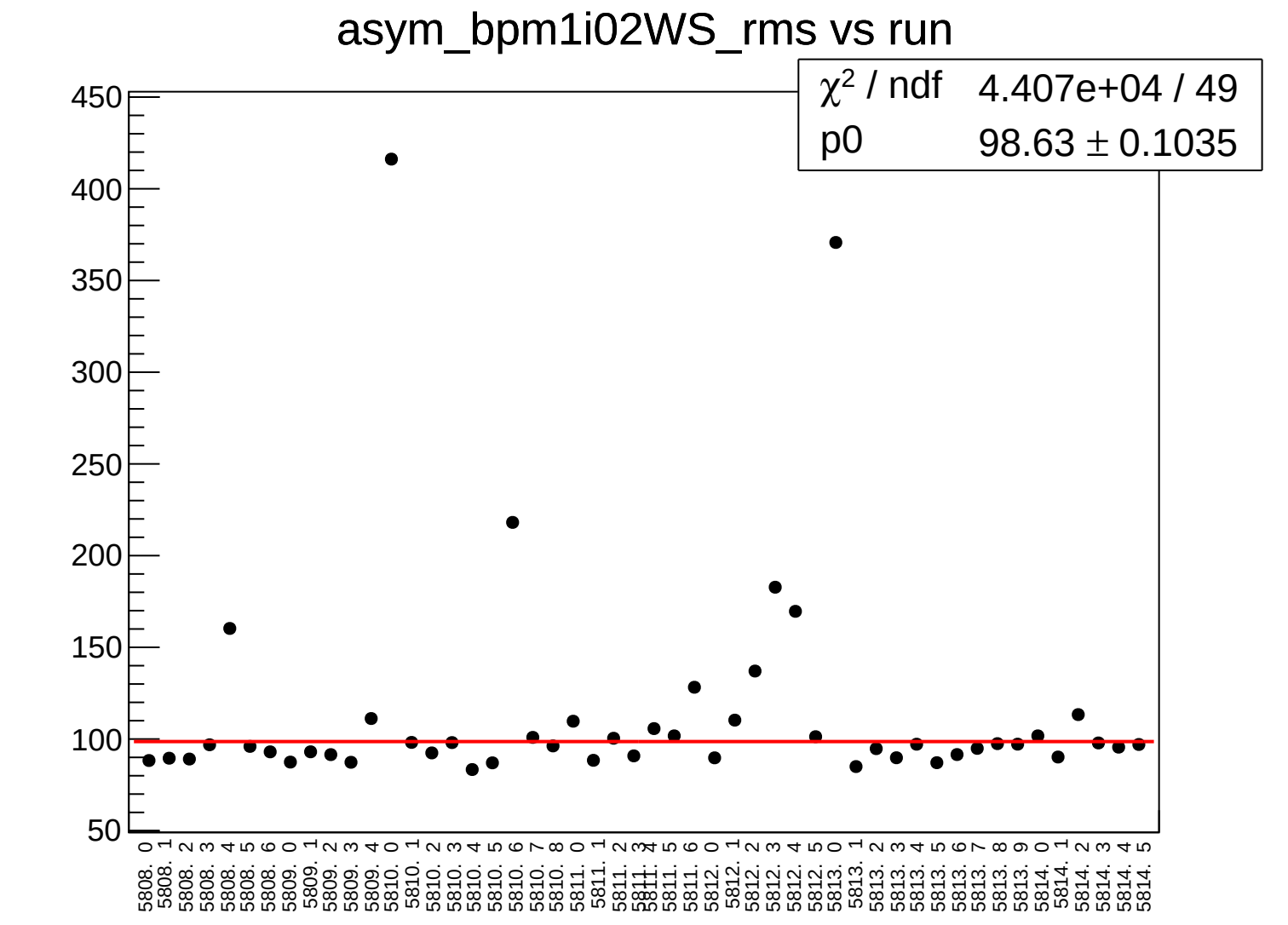

asym_bpm0i07WS_mean vs run
χ² / ndf 72.94 / 49
p0 857.7 ± 273.2
pull
Entries 50
Mean 3.842
Std Dev 51.32

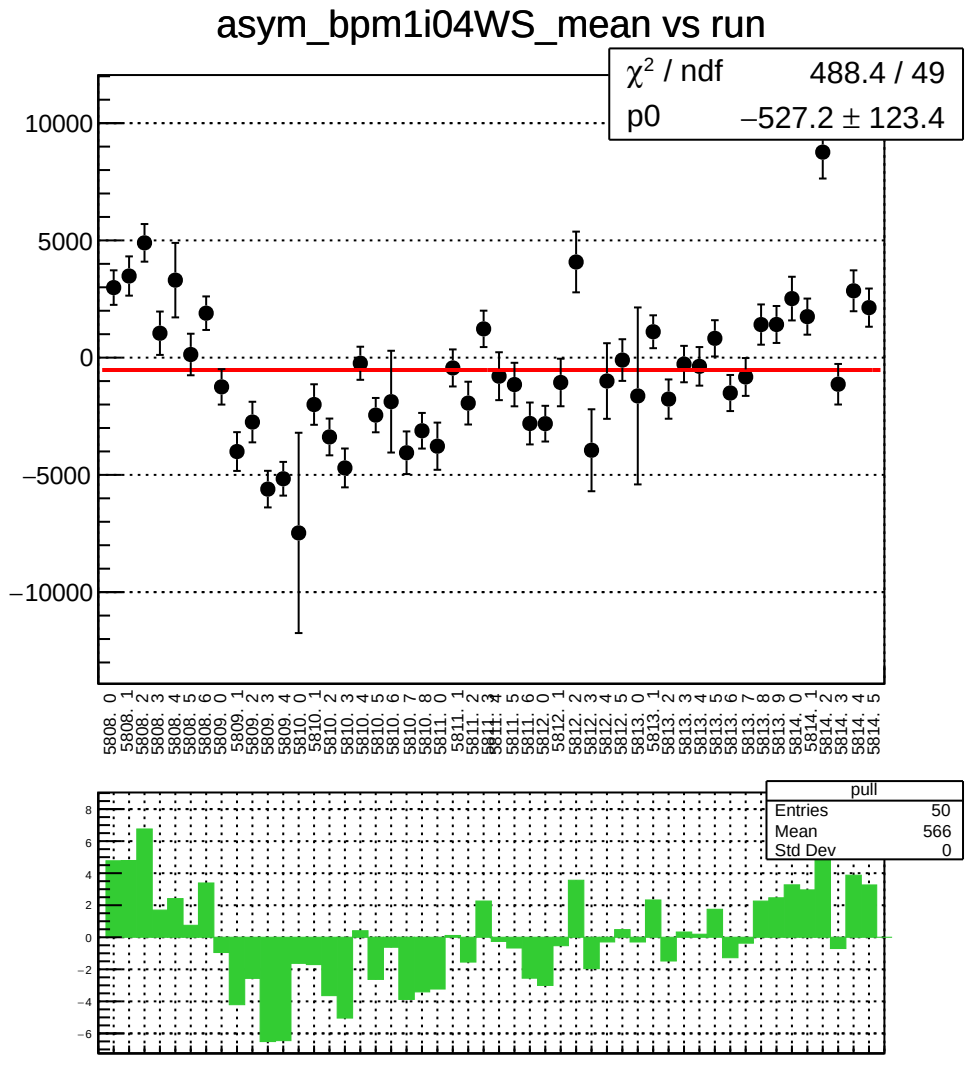

pull1D
Entries 50
Mean 0.03521
Std Dev 1.207

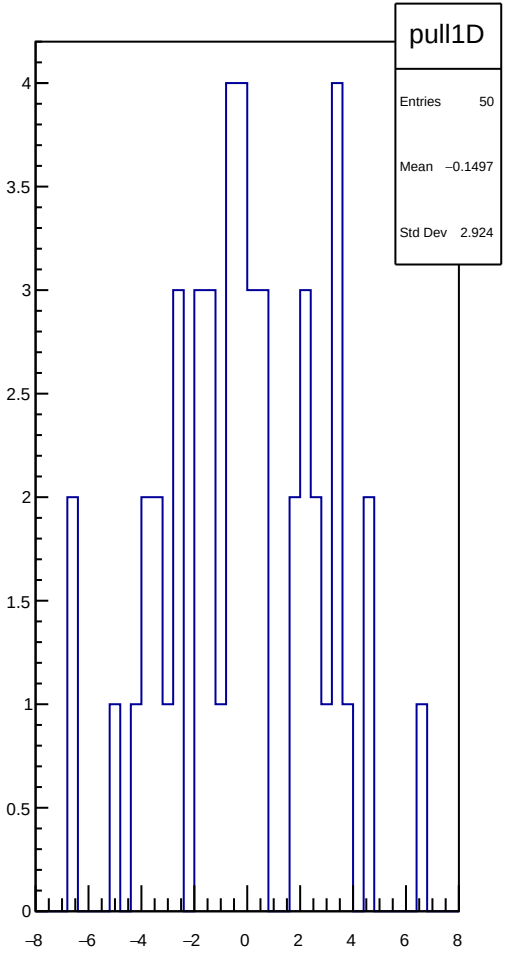

asym_bpm0i07WS_rms vs run
χ² / ndf 1.658e+04 / 49
p0 186.9 ± 0.1932
400
350
300
250
200
150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

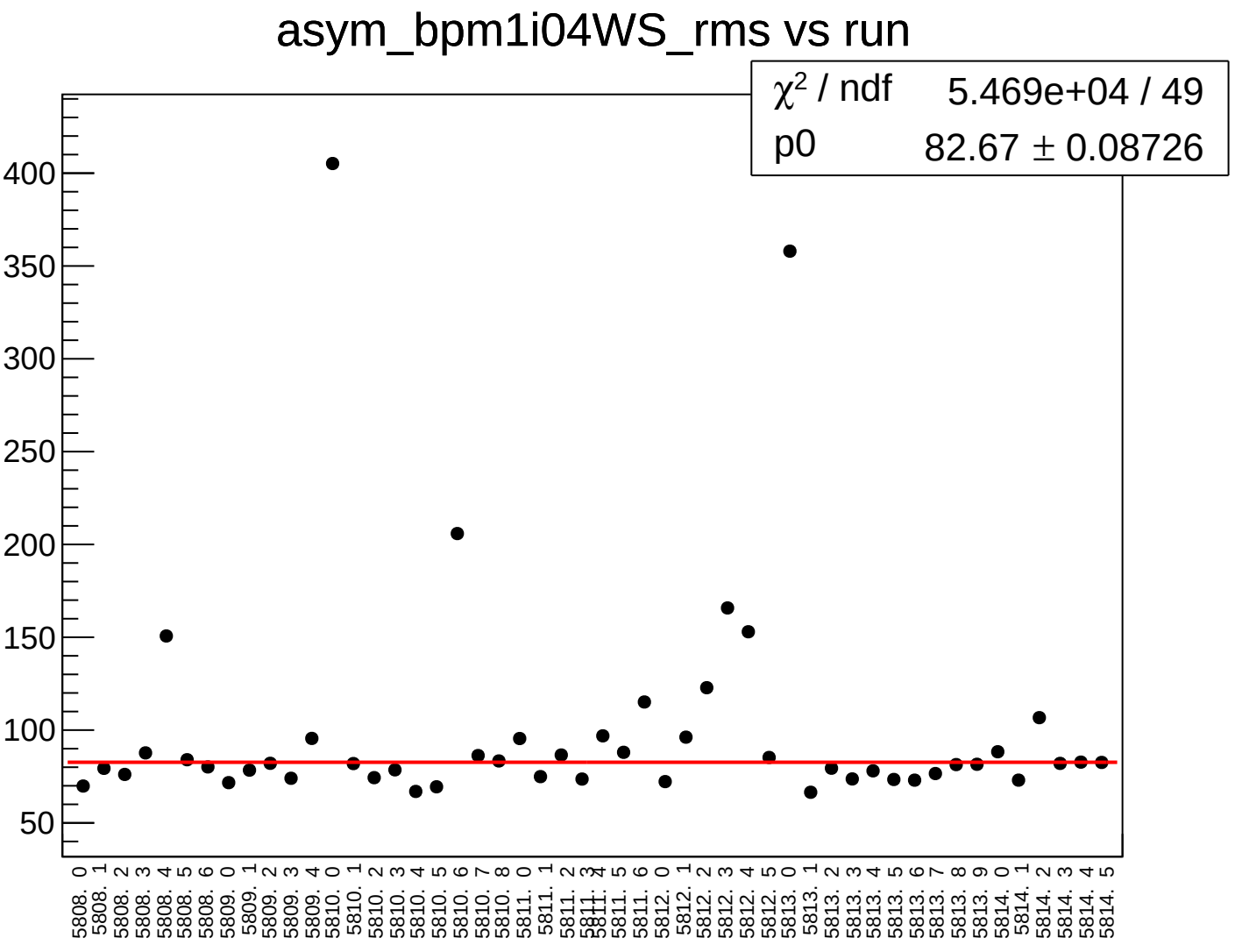

asym_bpm1i02WS_mean vs run
χ² / ndf 366.4 / 49
p0 −475.4 ± 146.4
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −389
Std Dev 0

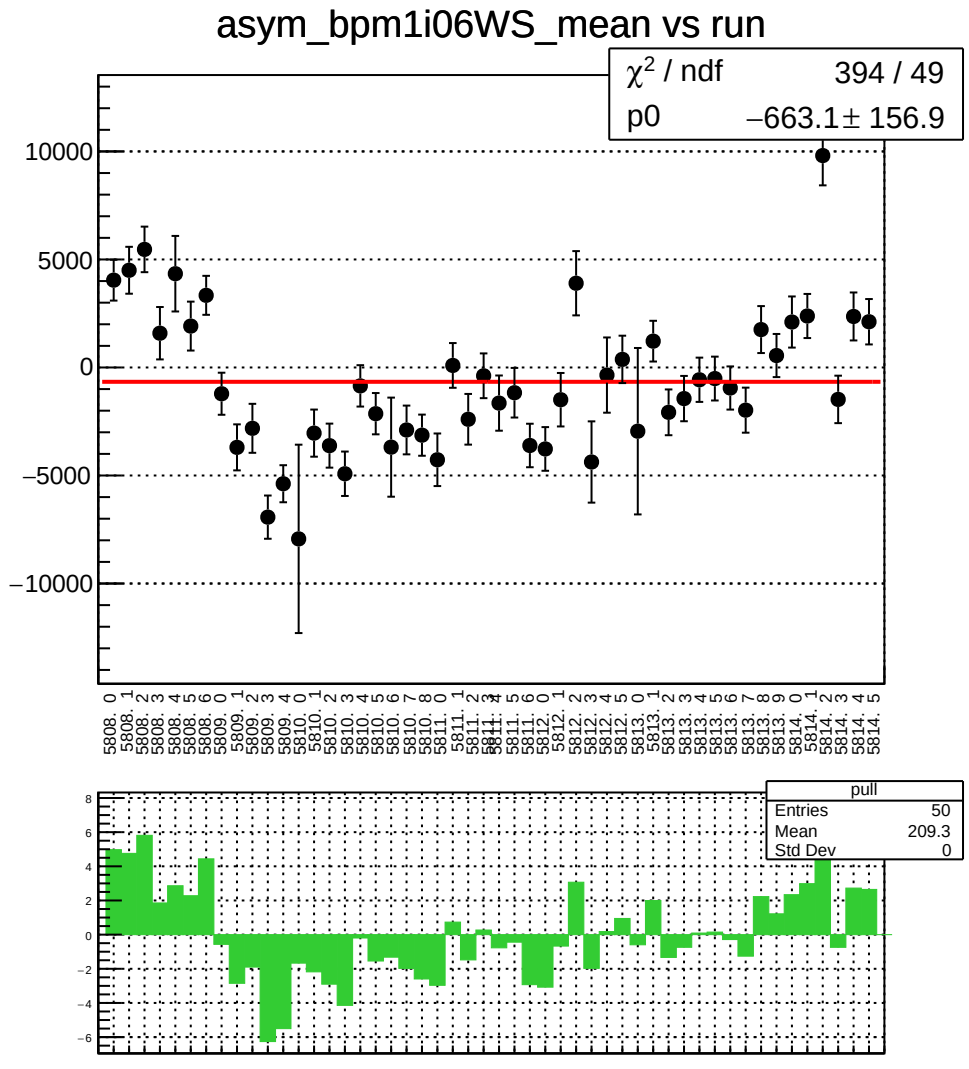

pull1D
Entries 50
Mean −0.01714
Std Dev 2.707

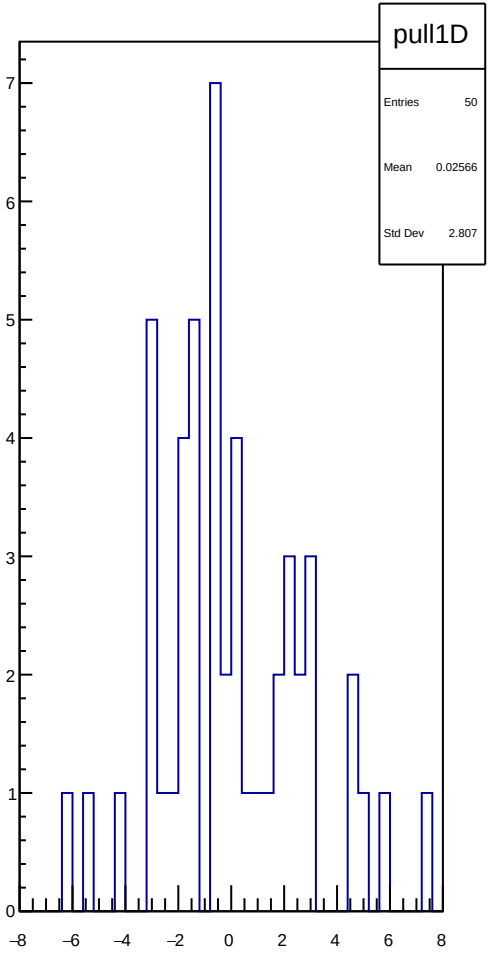

asym_bpm1i02WS_rms vs run
χ² / ndf 4.407e+04 / 49
p0 98.63 ± 0.1035
450
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

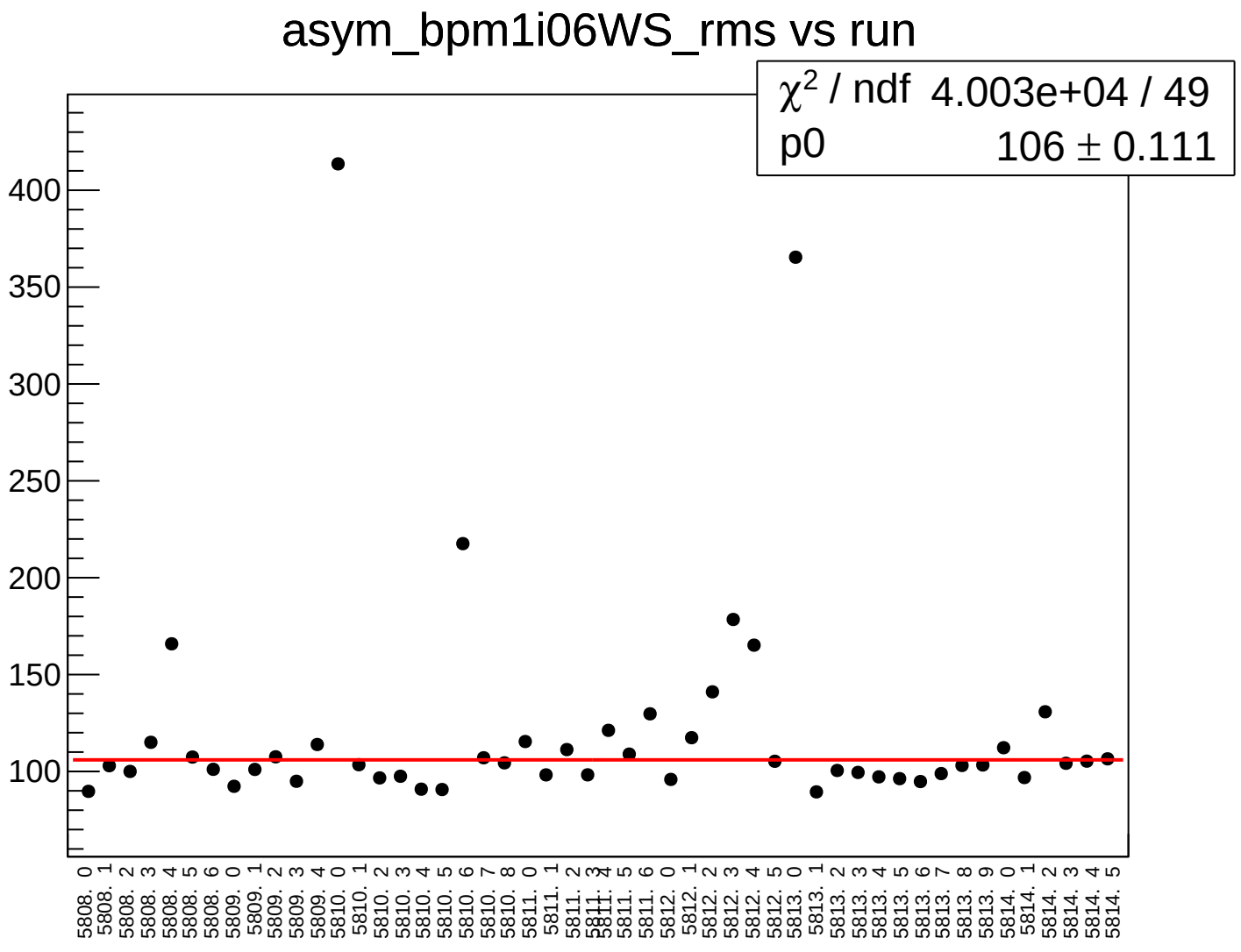

asym_bpm1i04WS_mean vs run
χ² / ndf 488.4 / 49
p0 −527.2 ± 123.4
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 566
Std Dev 0
8
6
4
2
0
−2
−4
−6

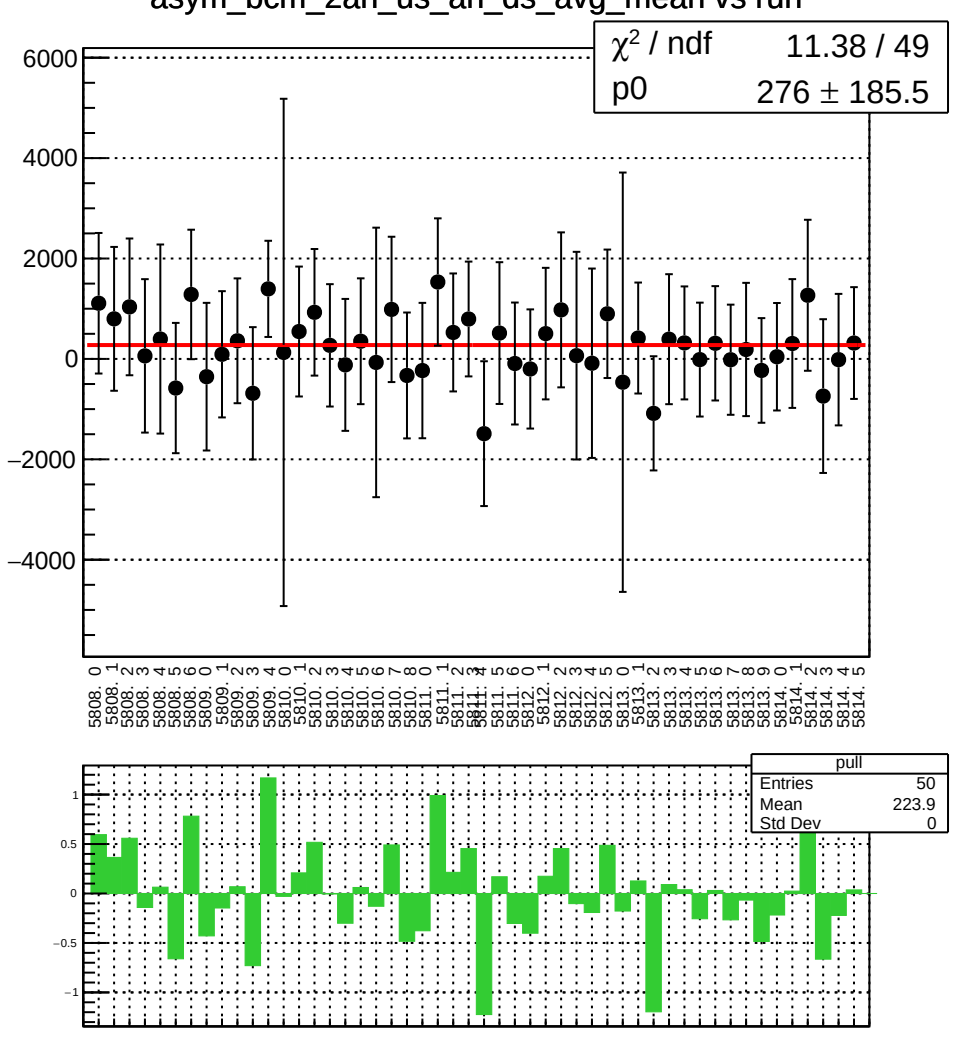

pull1D
Entries 50
Mean −0.1497
Std Dev 2.924
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

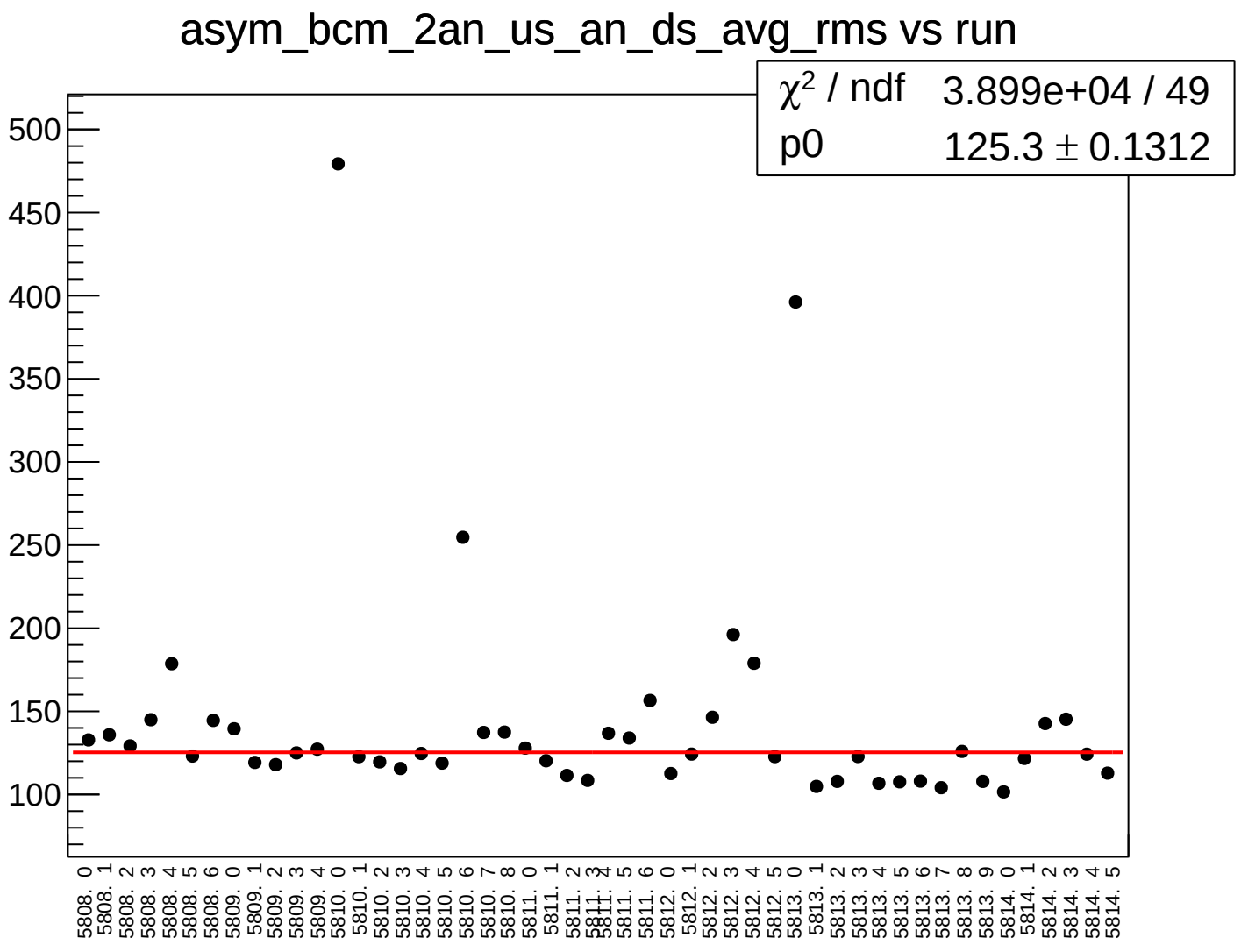

asym_bpm1i04WS_rms vs run
χ² / ndf 5.469e+04 / 49
p0 82.67 ± 0.08726
400
350
300
250
200
150
100
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

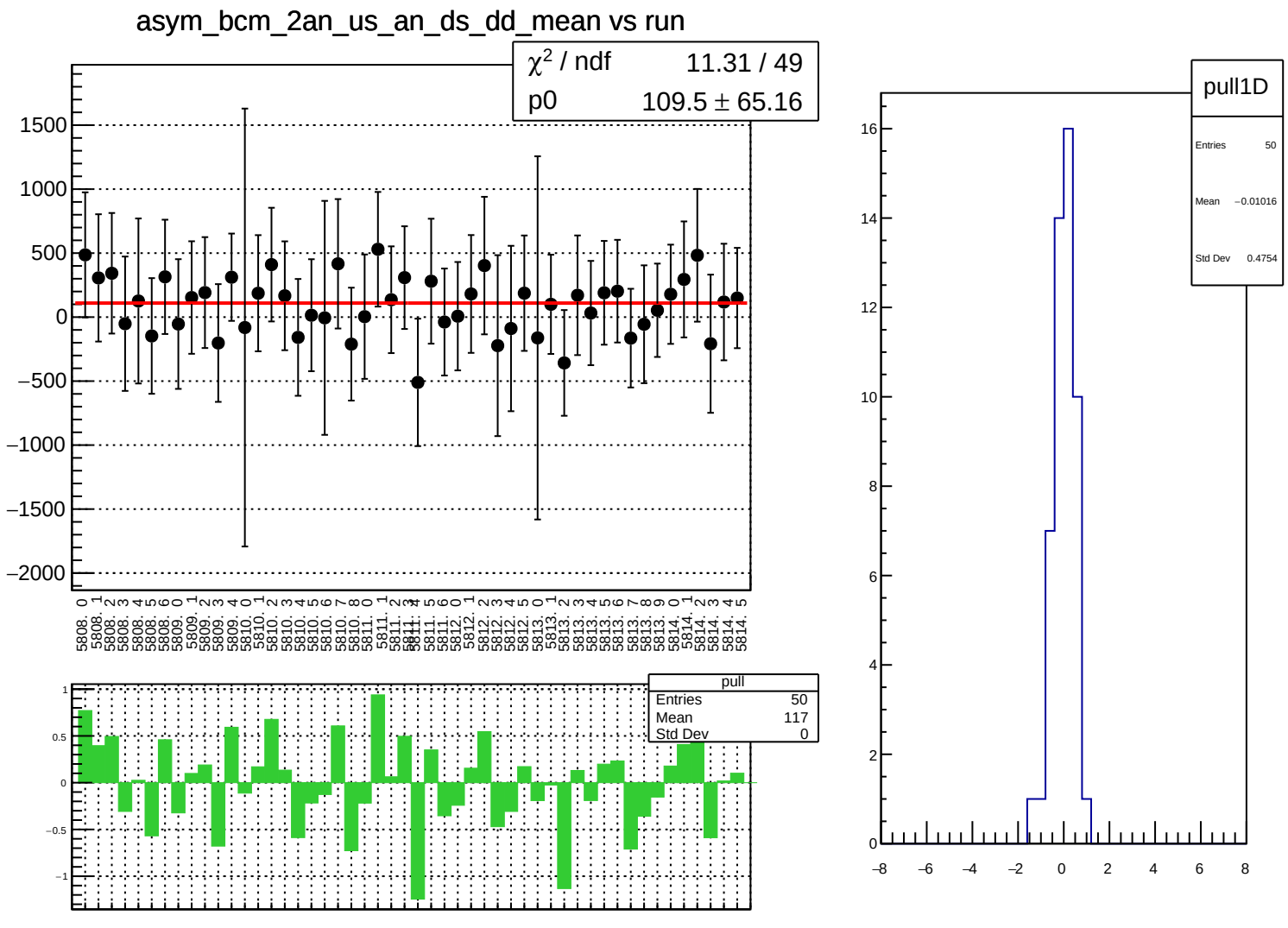

asym_bpm1i06WS_mean vs run
χ² / ndf 394 / 49
p0 −663.1± 156.9
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 209.3
Std Dev 0
8
6
4
2
0
−2
−4
−6

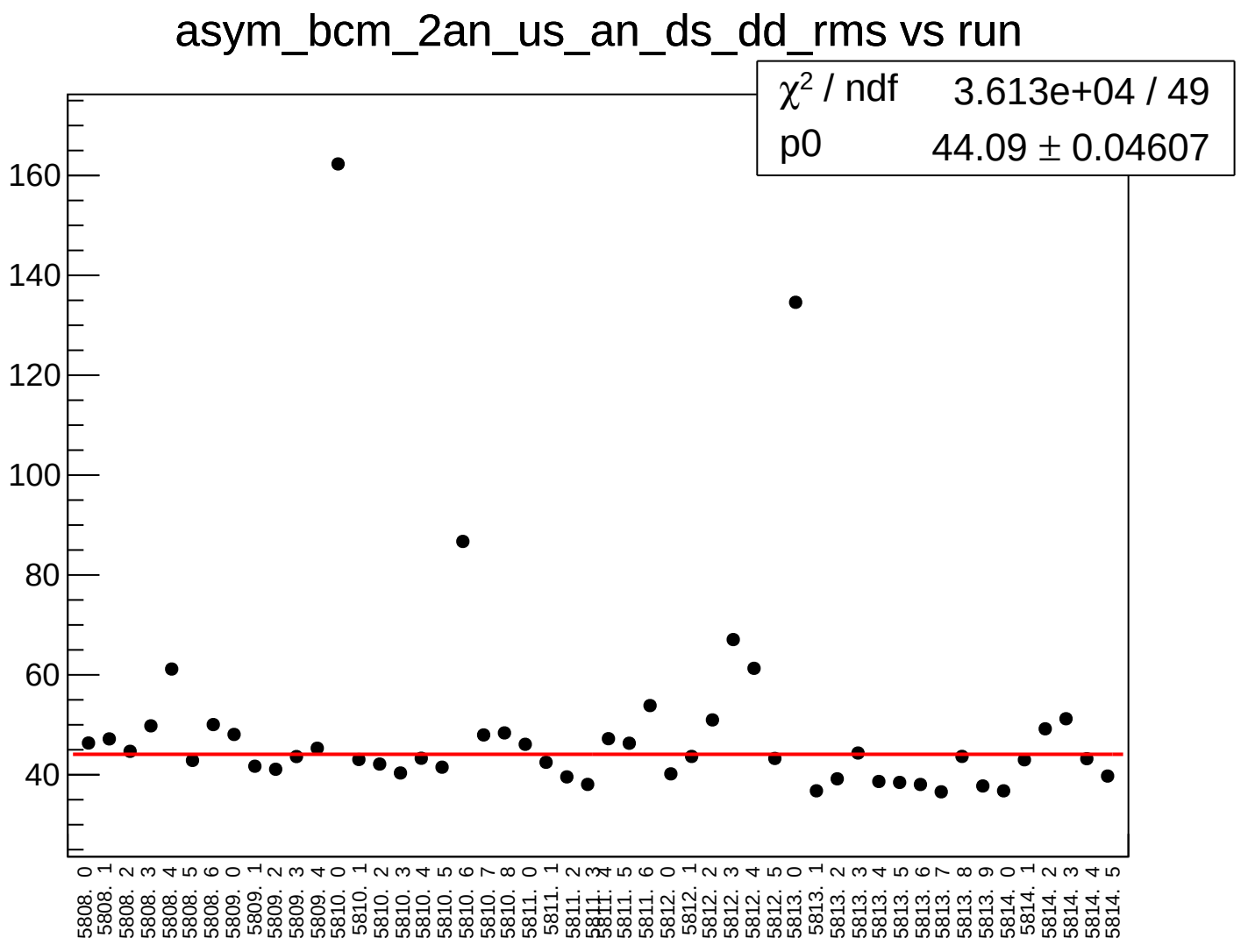

pull1D
Entries 50
Mean 0.02566
Std Dev 2.807
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

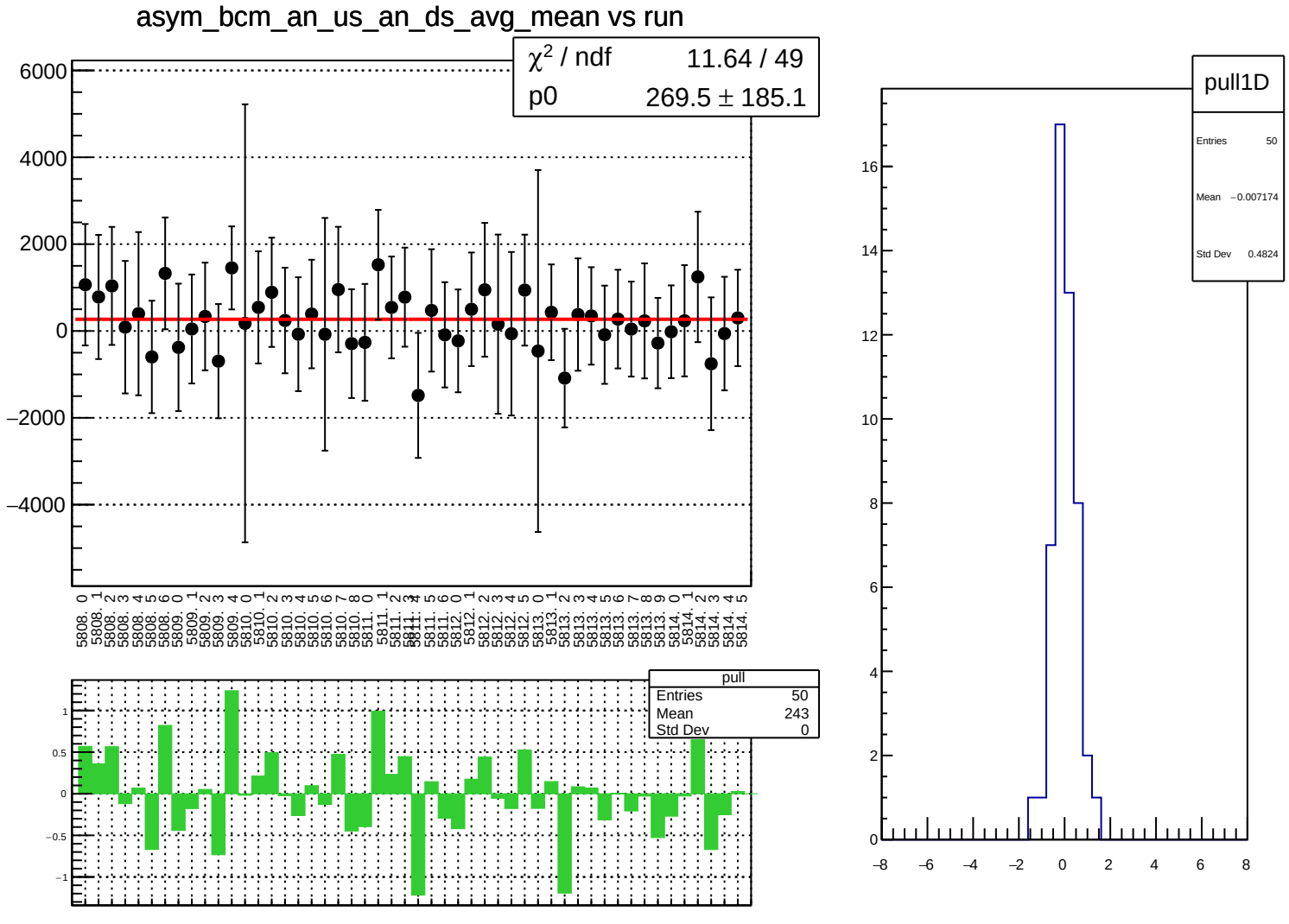

asym_bpm1i06WS_rms vs run
χ² / ndf 4.003e+04 / 49
p0 106 ± 0.111
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

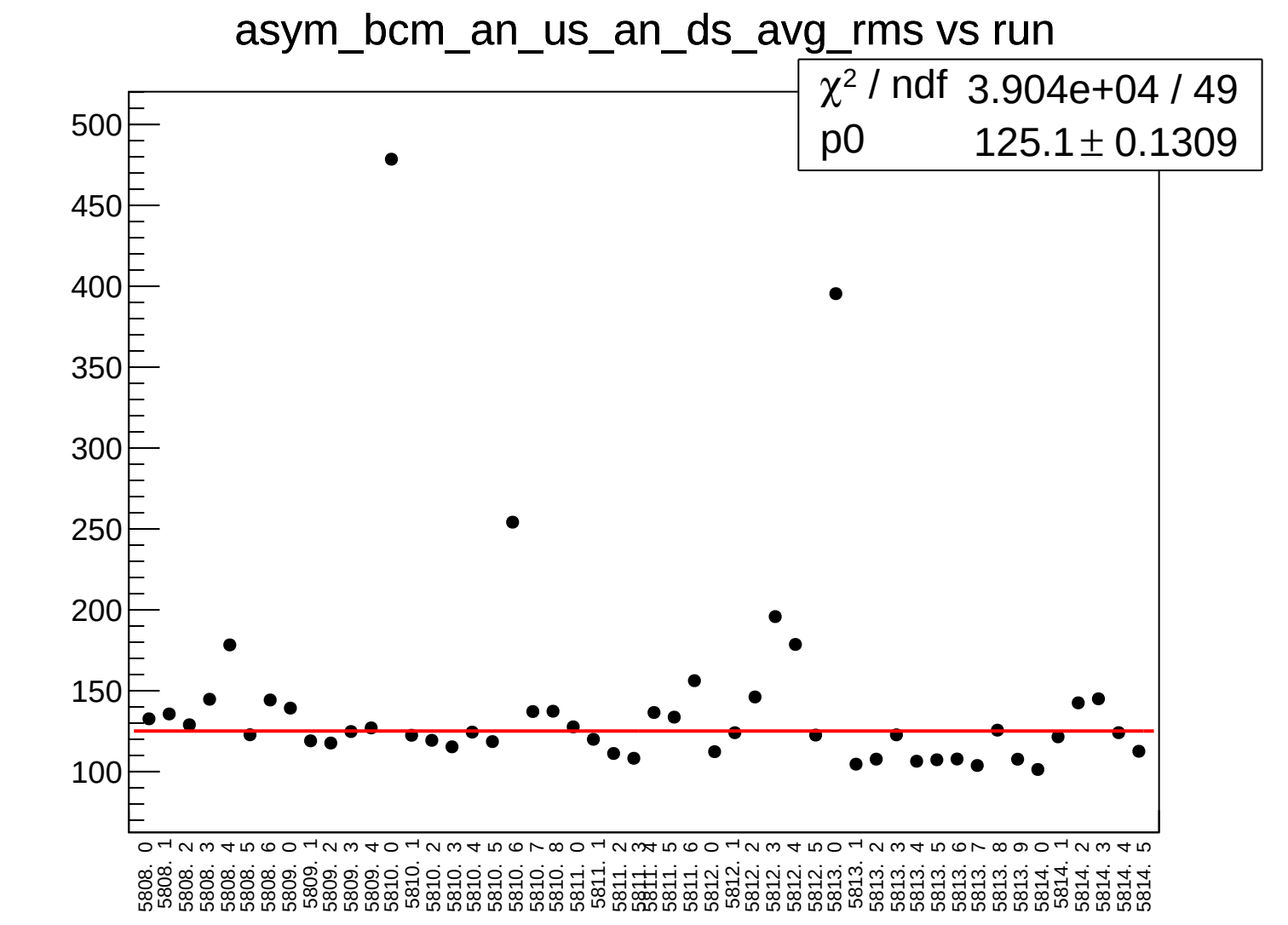

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 11.38 / 49
p0 276 ± 185.5
pull
Entries 50
Mean 223.9
Std Dev 0
pull1D
Entries 50
Mean −0.007528
Std Dev 0.4771


asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.899e+04 / 49
p0 125.3 ± 0.1312
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 11.31 / 49
p0 109.5 ± 65.16
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 117
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.01016
Std Dev 0.4754
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 3.613e+04 / 49
p0 44.09 ± 0.04607
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 11.64 / 49
p0 269.5 ± 185.1
pull
Entries 50
Mean 243
Std Dev 0
pull1D
Entries 50
Mean −0.007174
Std Dev 0.4824


asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.904e+04 / 49
p0 125.1 ± 0.1309
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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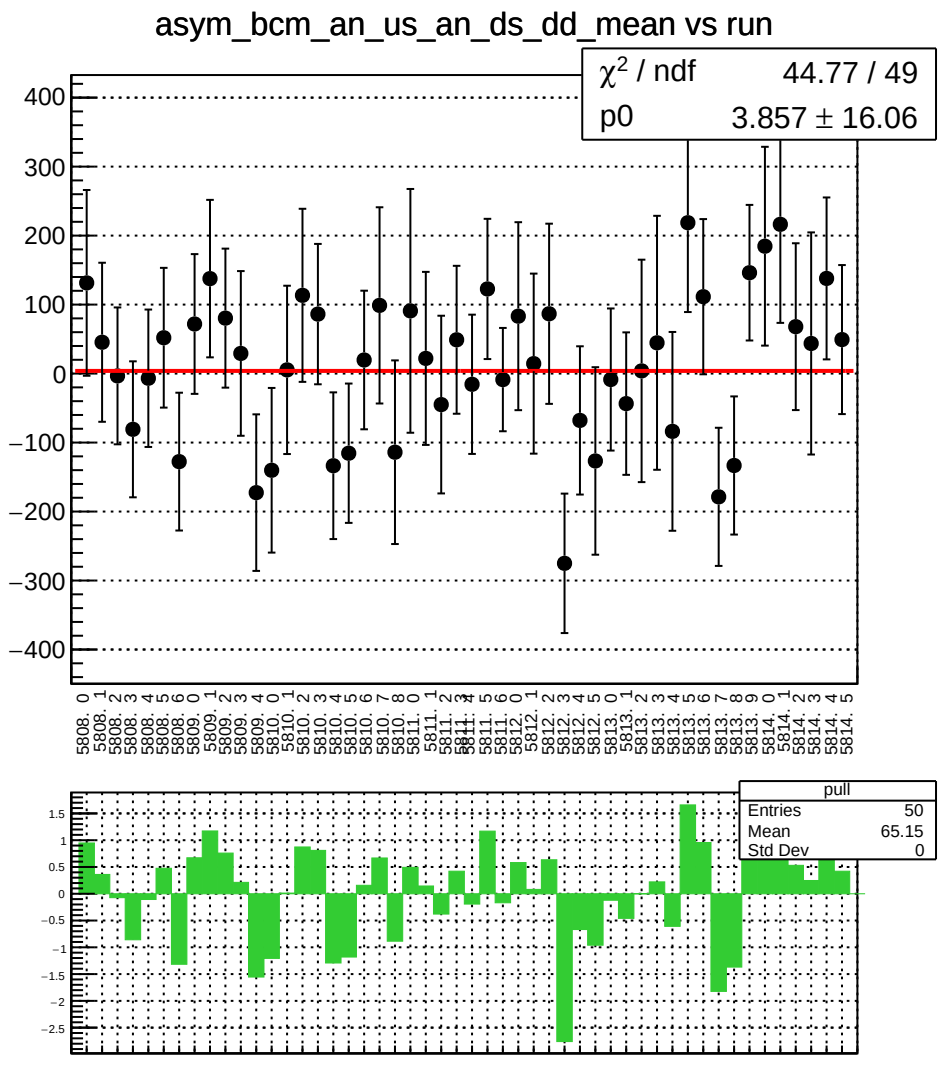
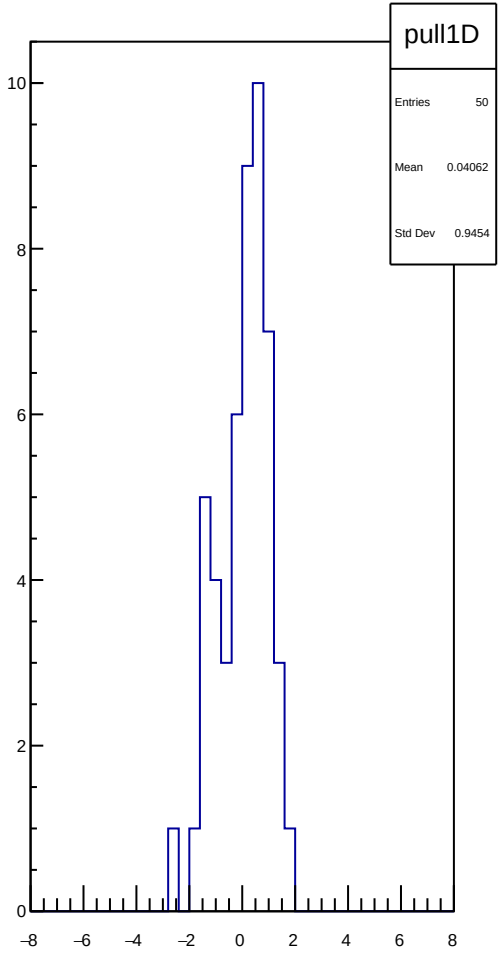
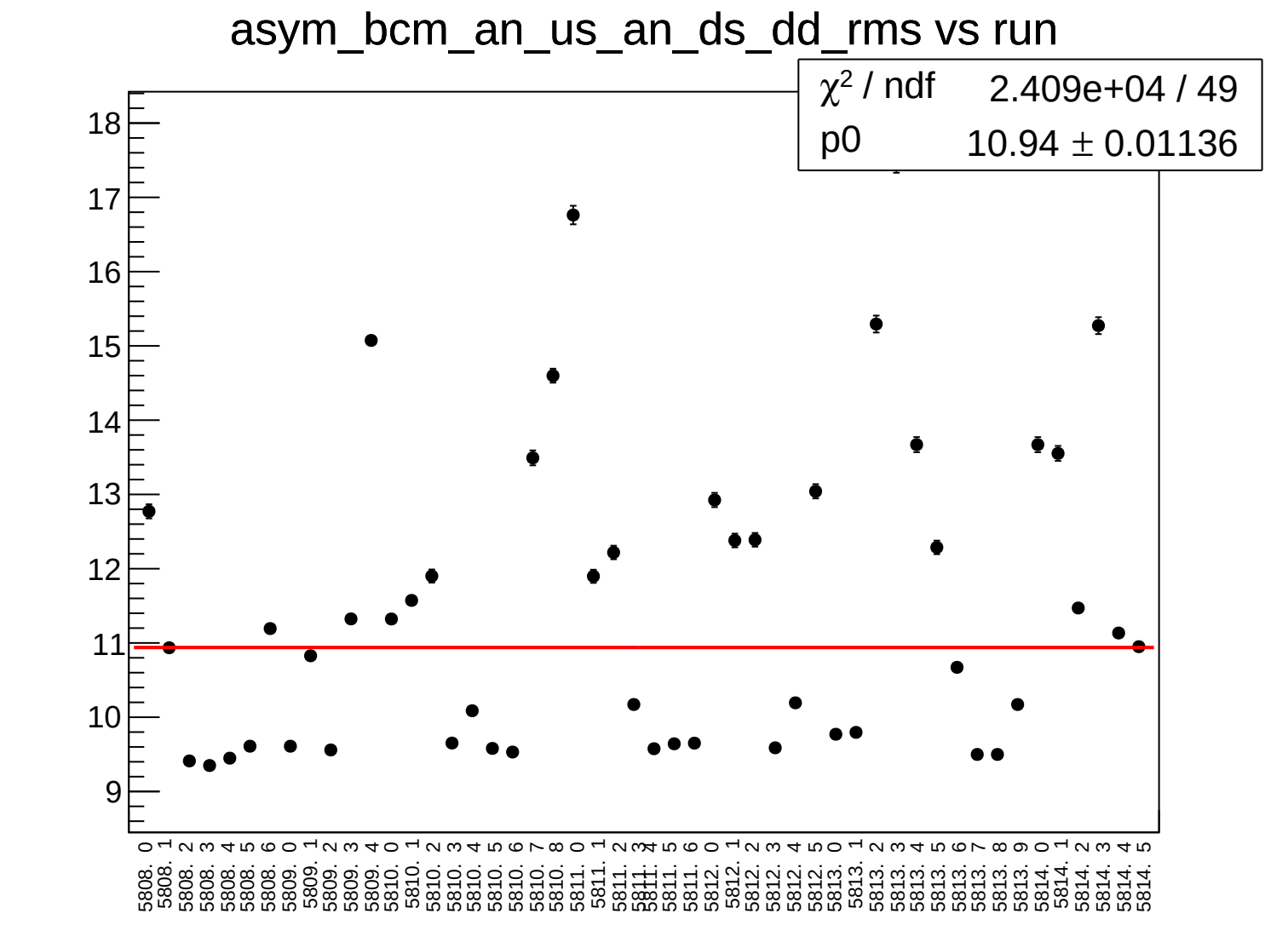
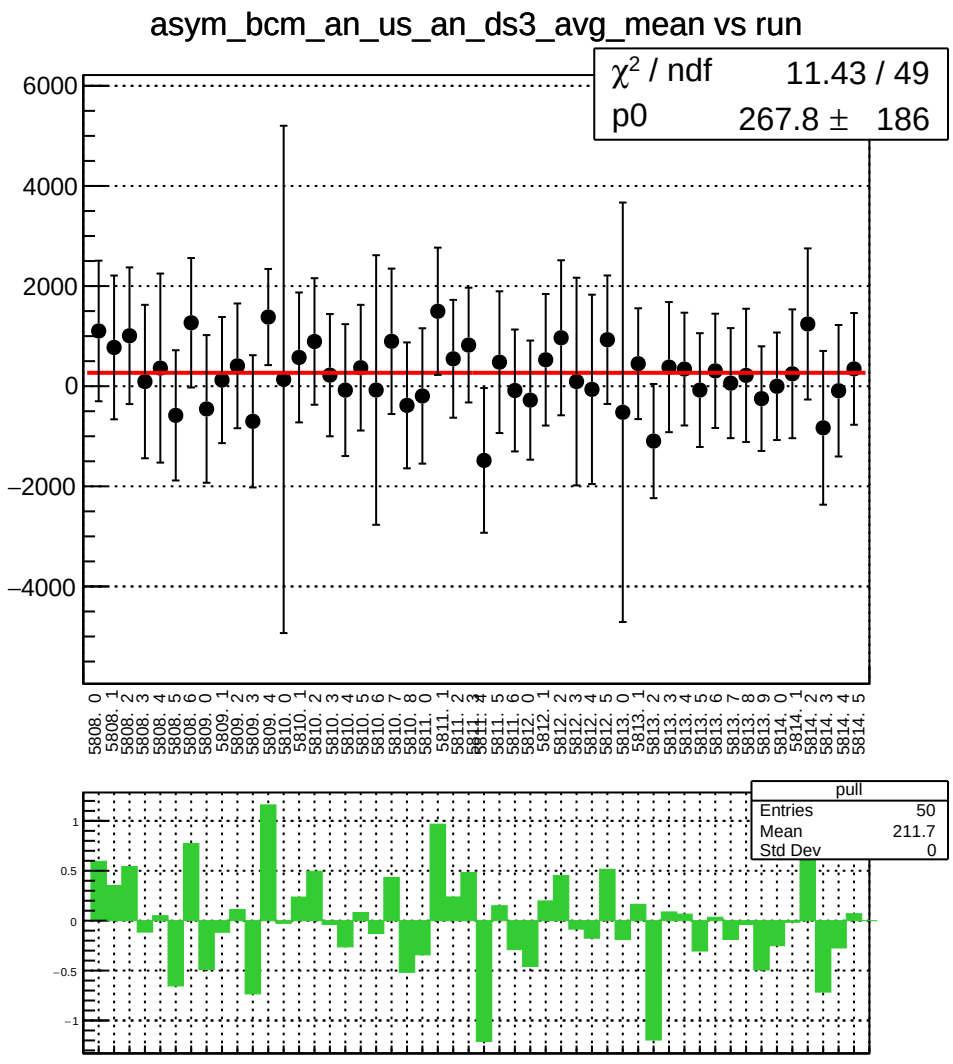
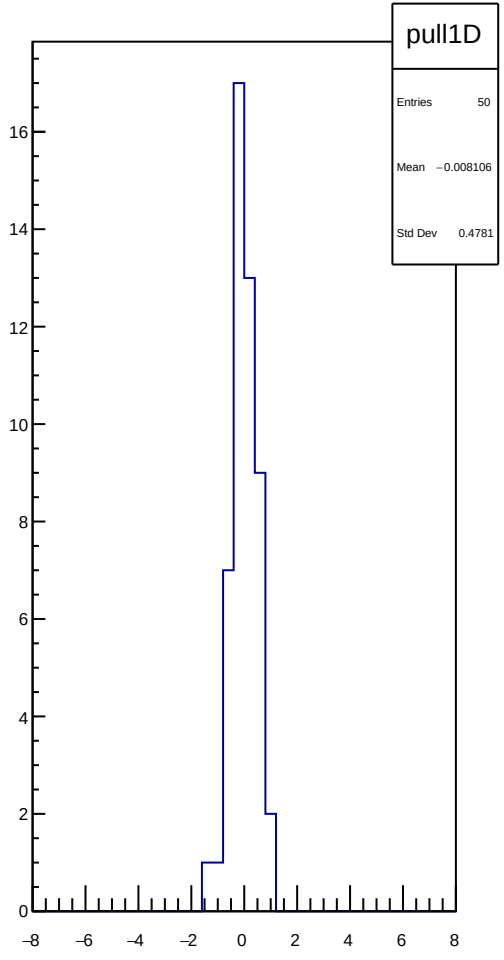
5814. 4
5814. 5

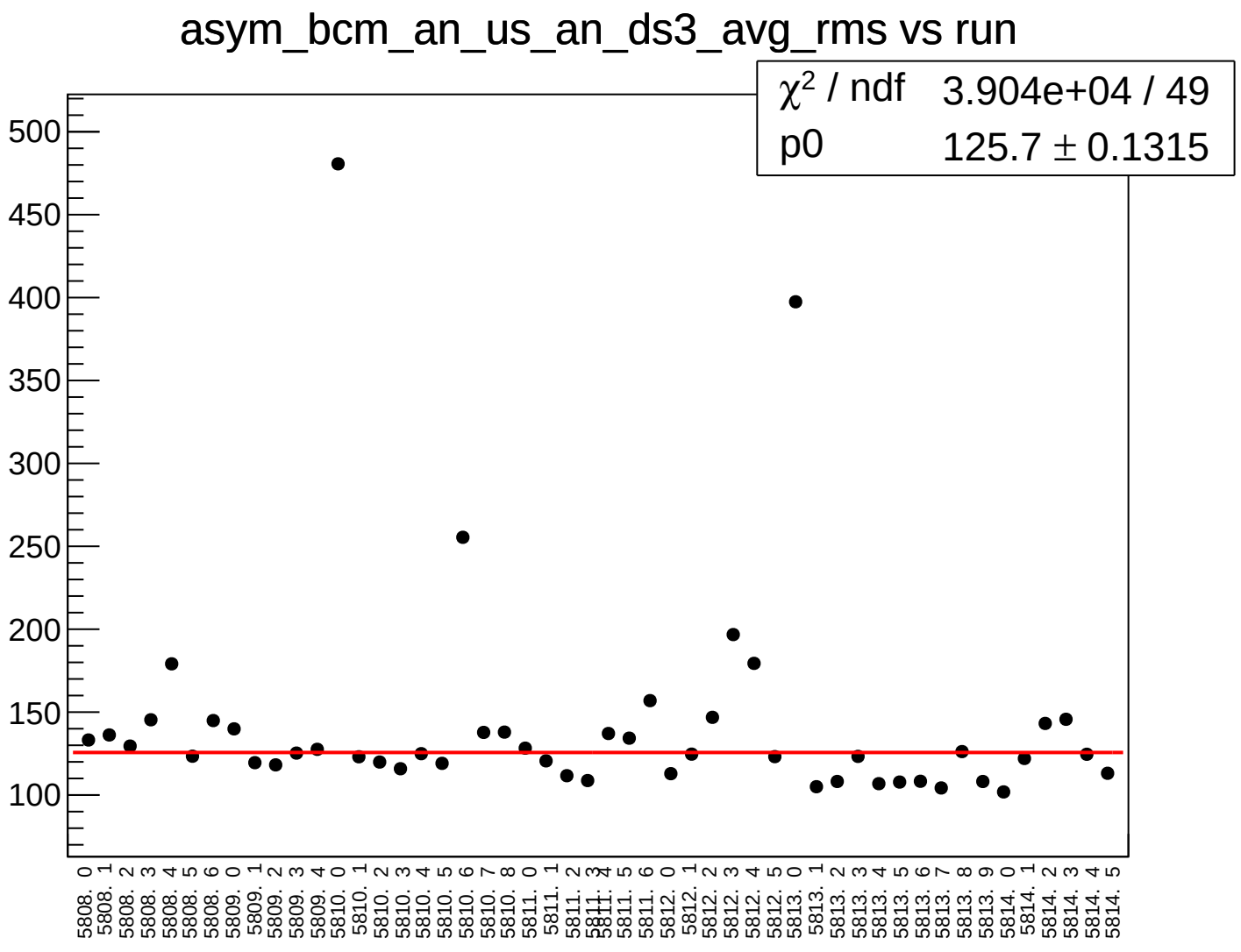

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 44.77 / 49
p0 3.857 ± 16.06
pull
Entries 50
Mean 65.15
Std Dev 0


pull1D
Entries 50
Mean 0.04062
Std Dev 0.9454


asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 2.409e+04 / 49
p0 10.94 ± 0.01136
18
17
16
15
14
13
12
11
10
9
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 11.43 / 49
p0 267.8 ± 186
6000
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 211.7
Std Dev 0
1
0.5
0
−0.5
−1


pull1D
Entries 50
Mean −0.008106
Std Dev 0.4781
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.904e+04 / 49
p0 125.7 ± 0.1315
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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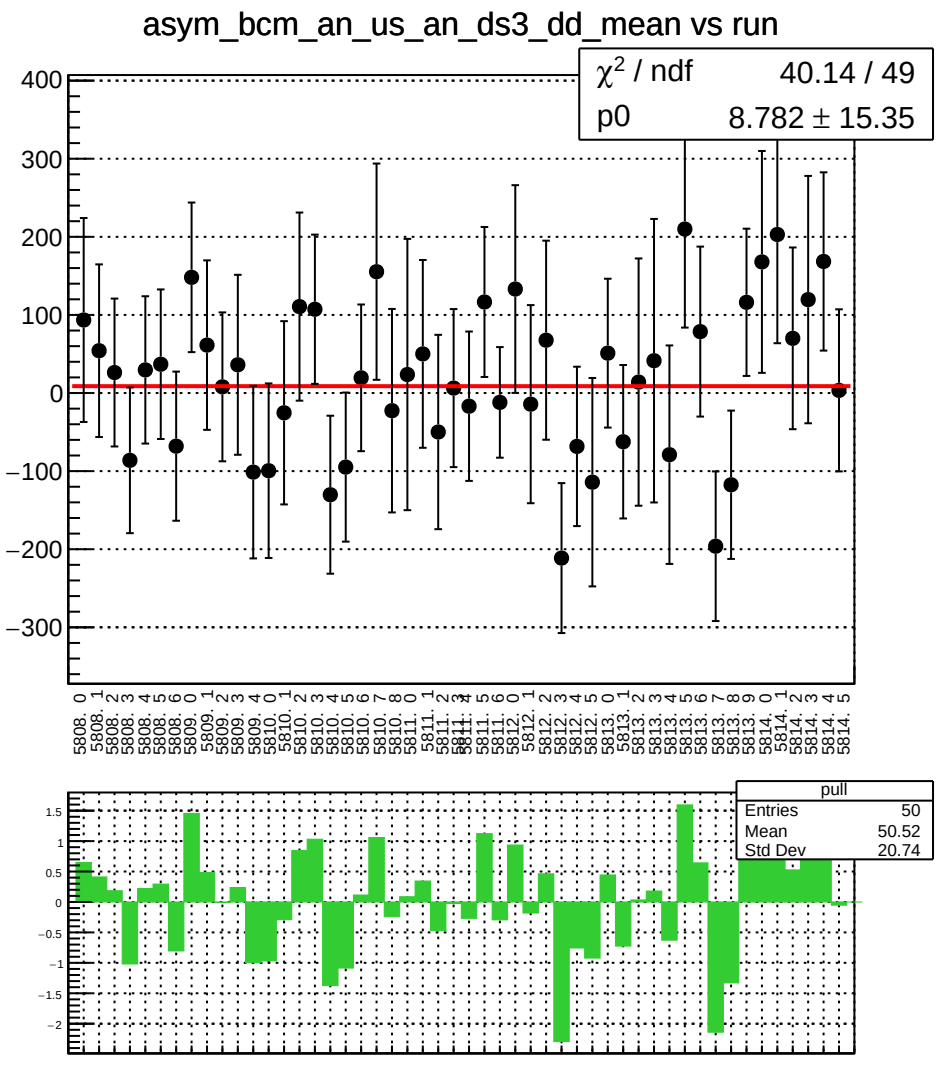
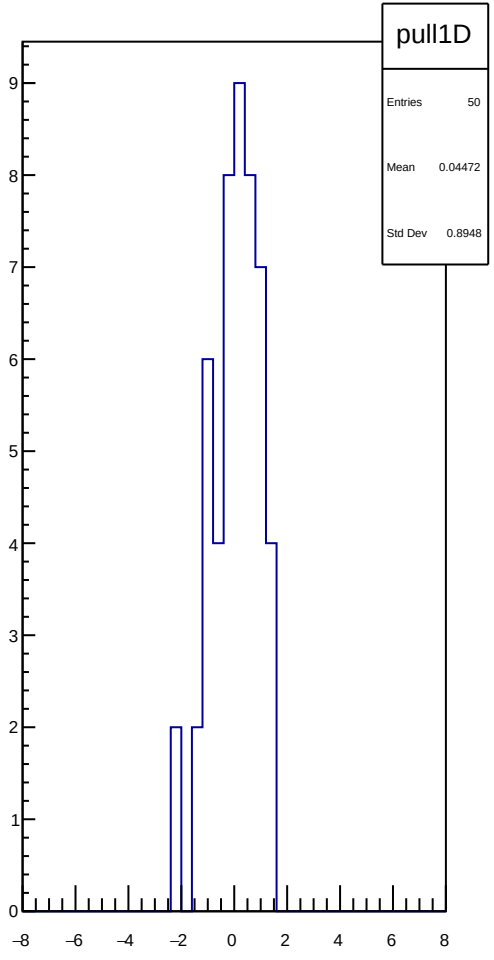
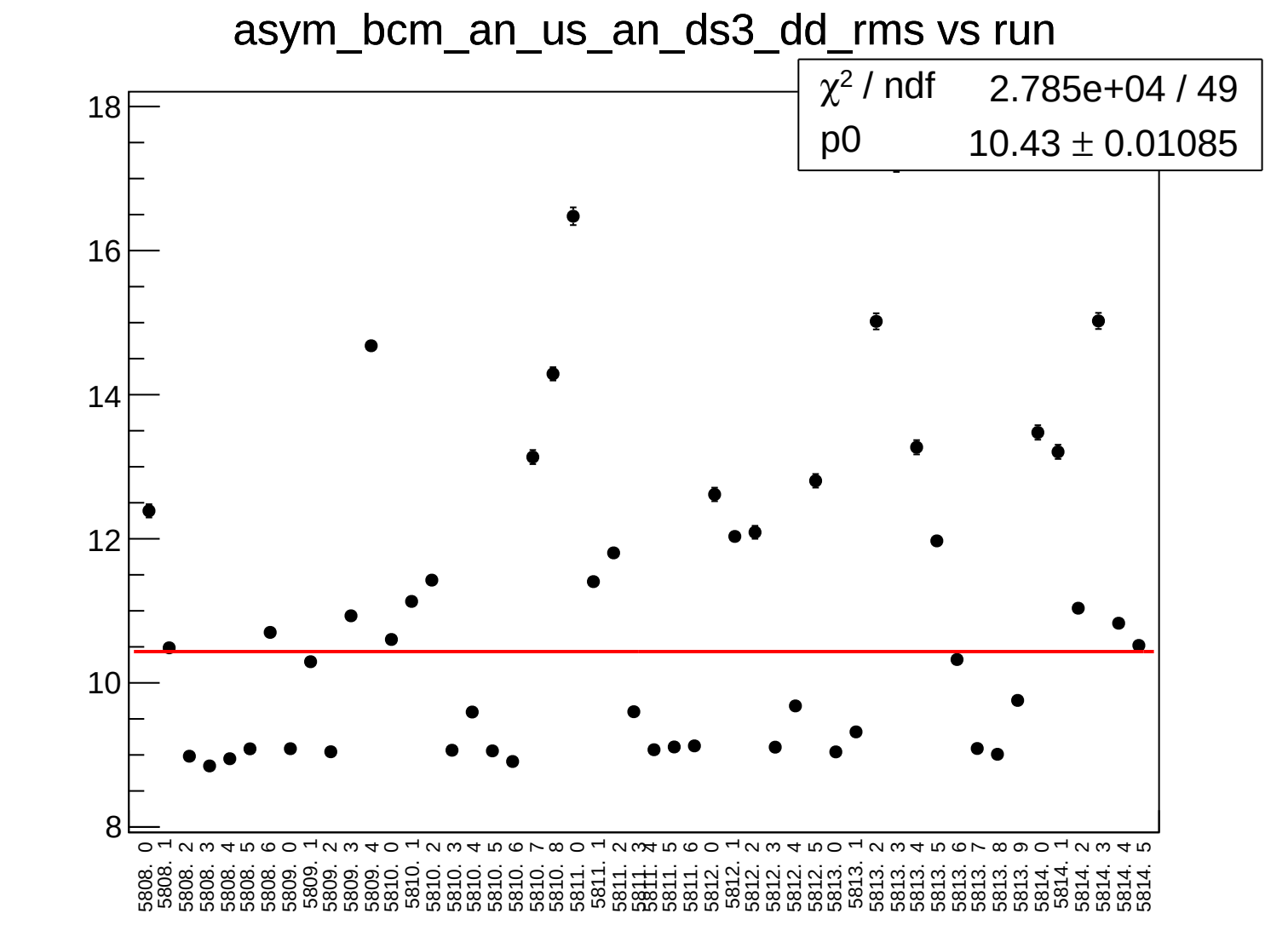
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 40.14 / 49
p0 8.782 ± 15.35
pull
Entries 50
Mean 50.52
Std Dev 20.74


pull1D
Entries 50
Mean 0.04472
Std Dev 0.8948


asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 2.785e+04 / 49
p0 10.43 ± 0.01085
18
16
14
12
10
8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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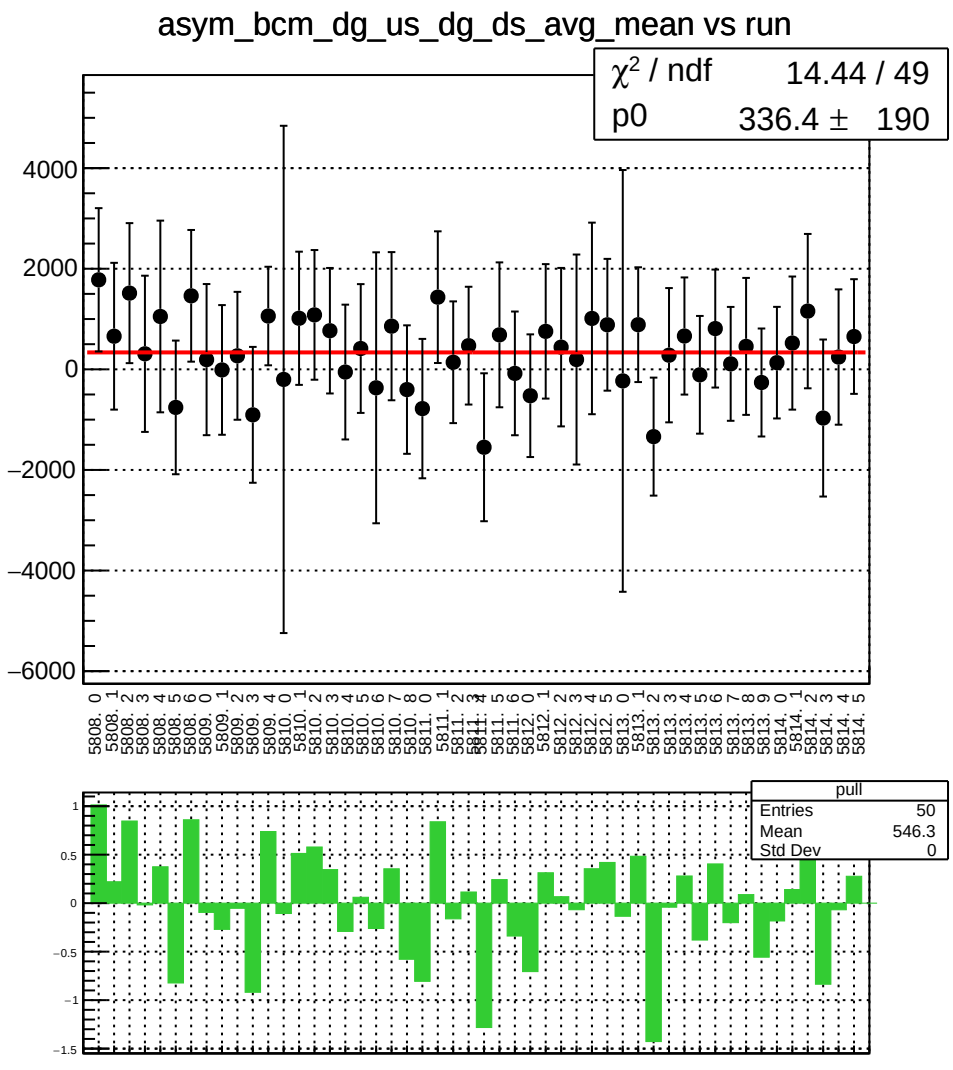
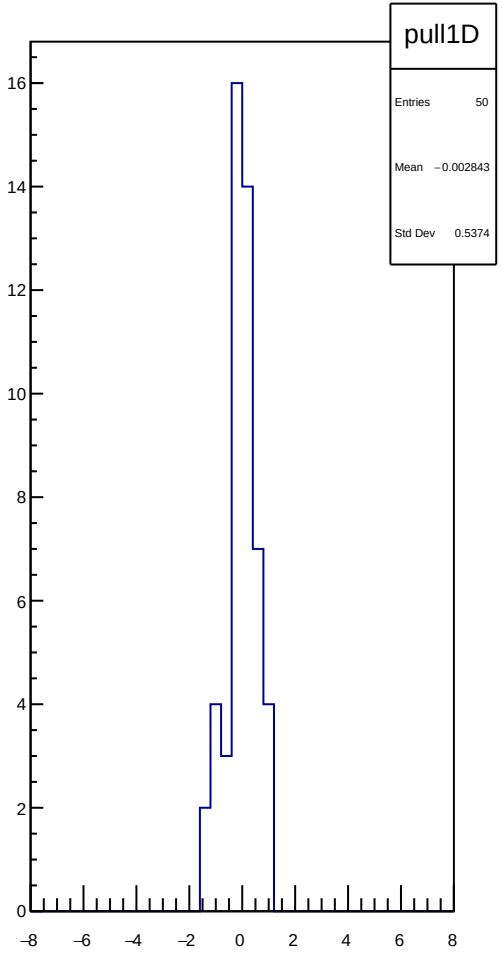
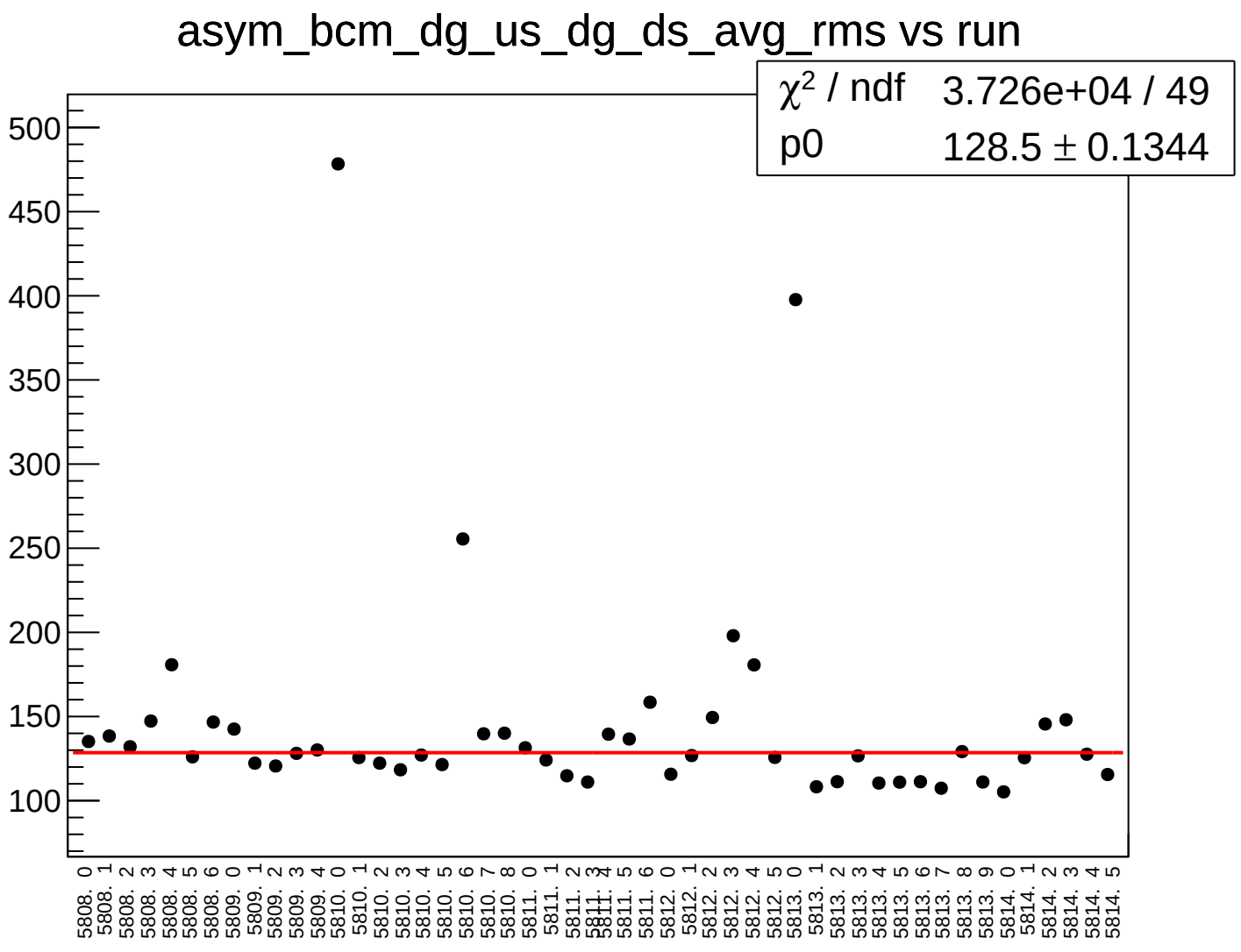
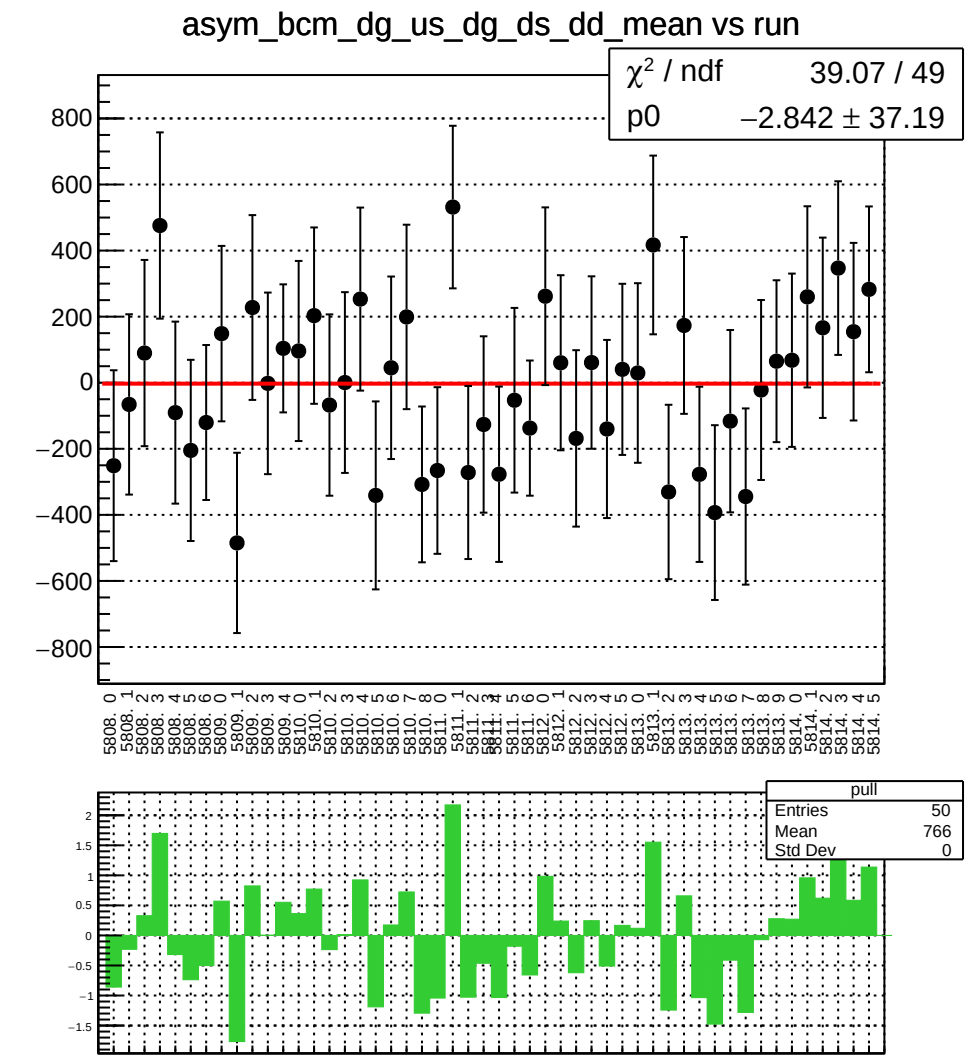
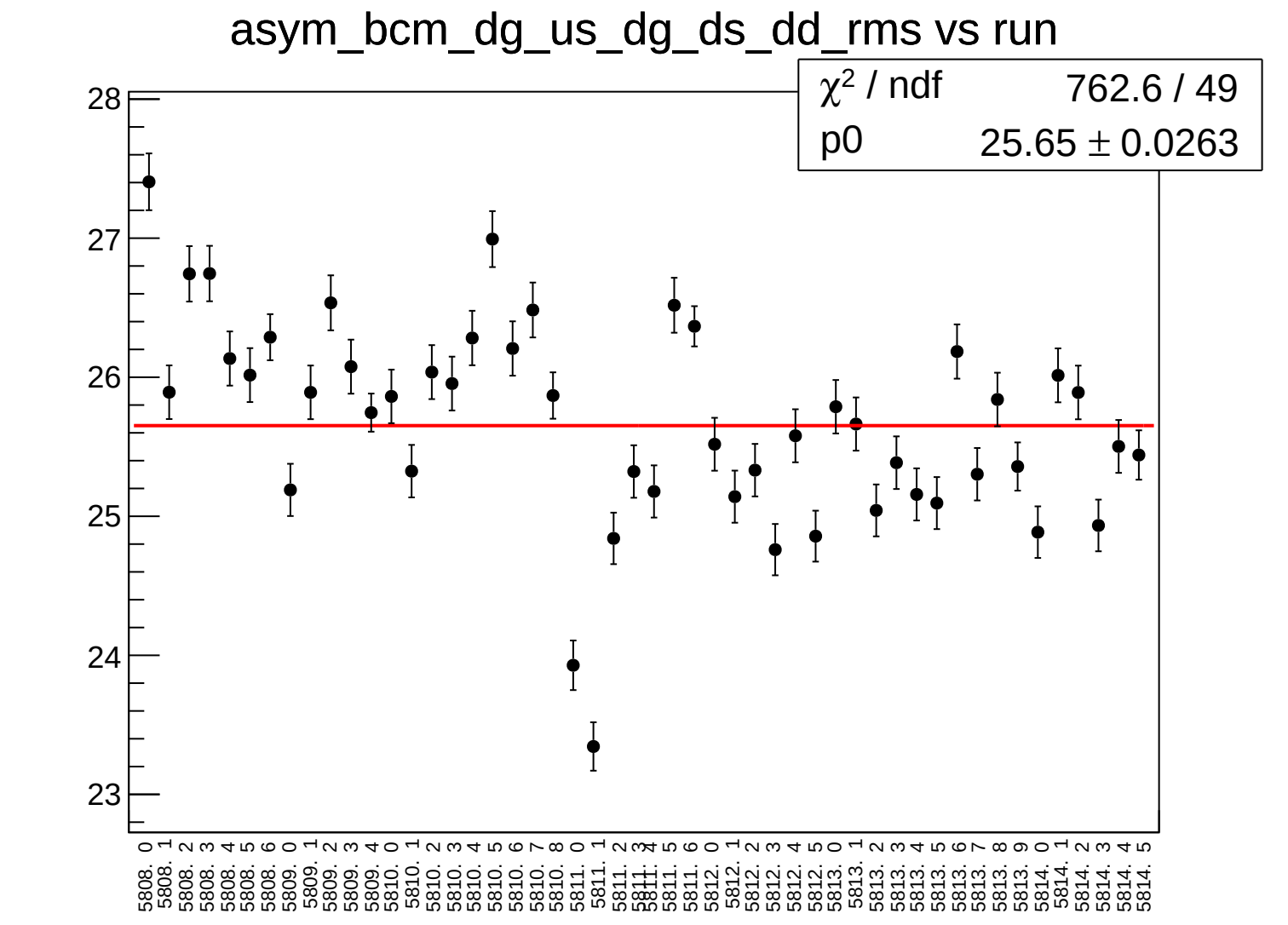
5814. 2
5814. 3
5814. 4
5814. 5

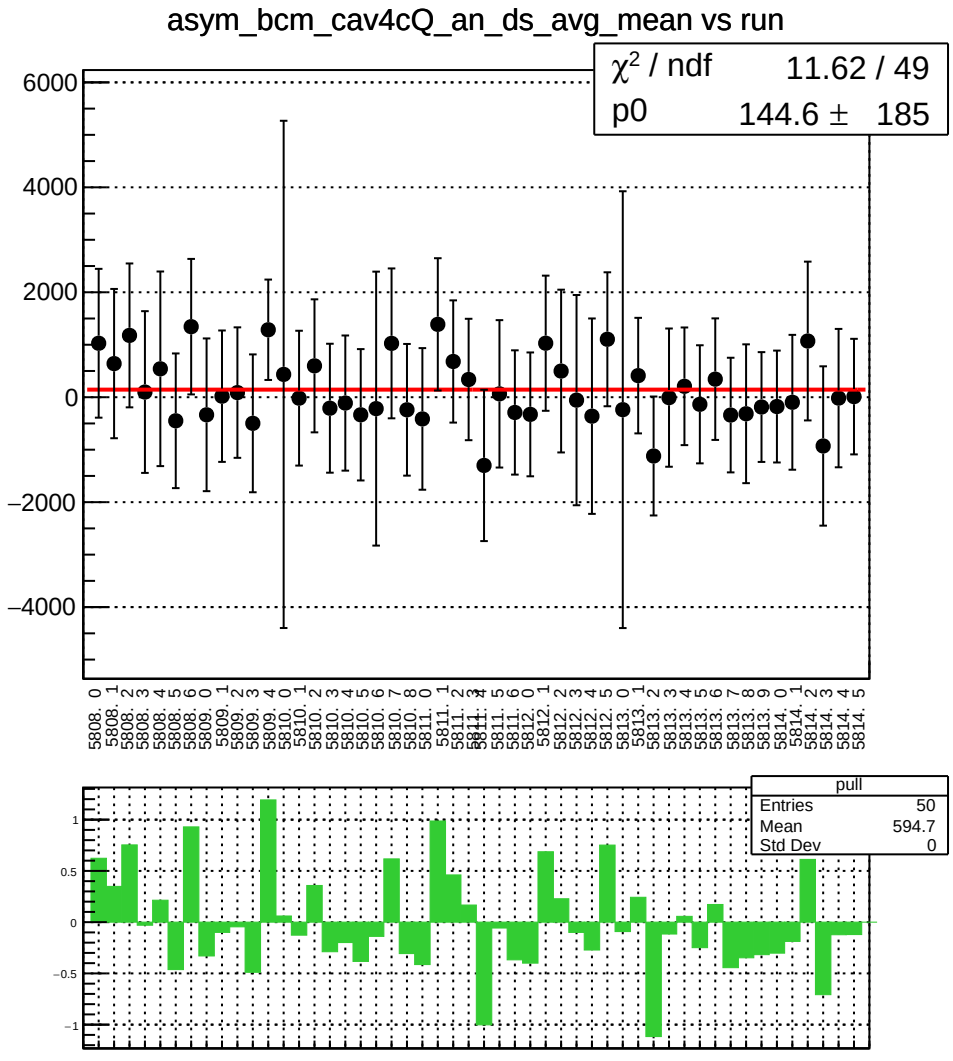

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 14.44 / 49
p0 336.4 ± 190
pull
Entries 50
Mean 546.3
Std Dev 0

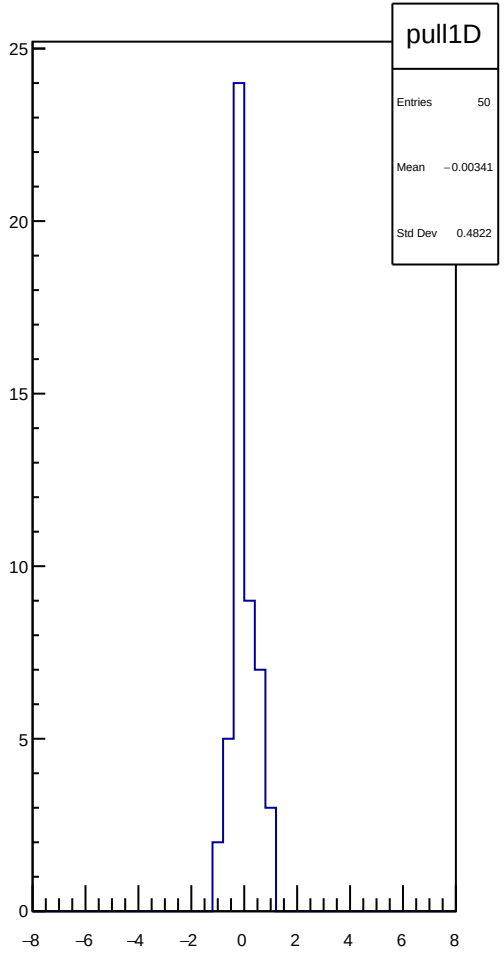

pull1D
Entries 50
Mean −0.002843
Std Dev 0.5374

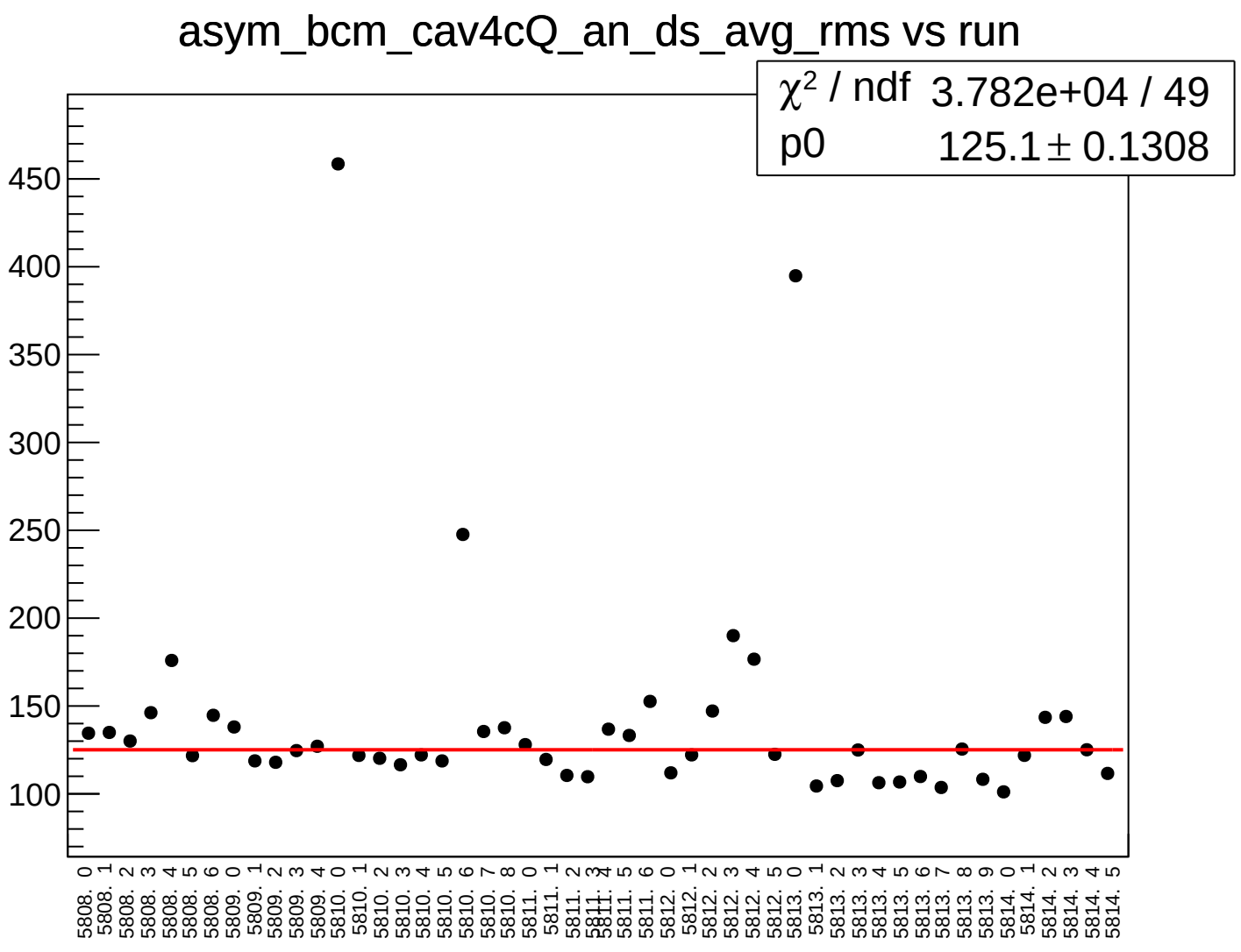

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 3.726e+04 / 49
p0 128.5 ± 0.1344
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

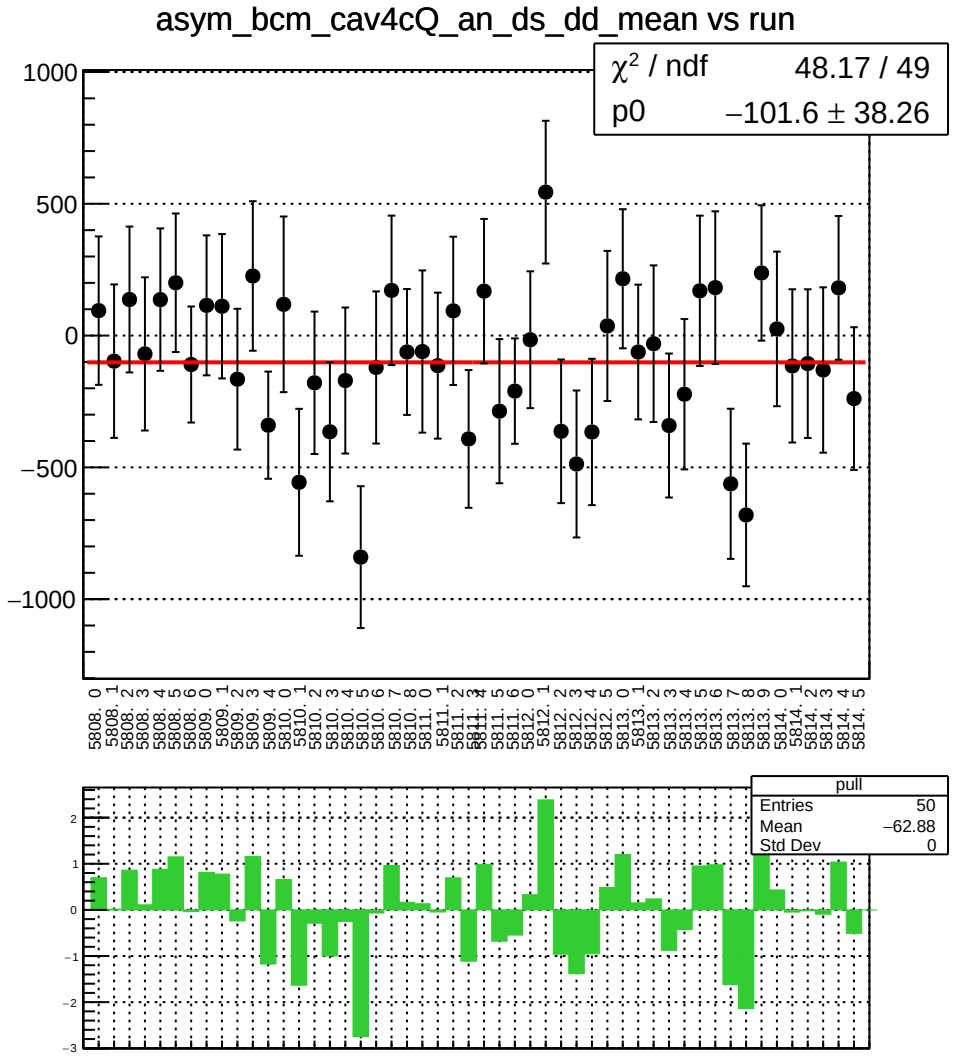

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 39.07 / 49
p0 −2.842 ± 37.19
800
600
400
200
0
−200
−400
−600
−800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 766
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.001685
Std Dev 0.884
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

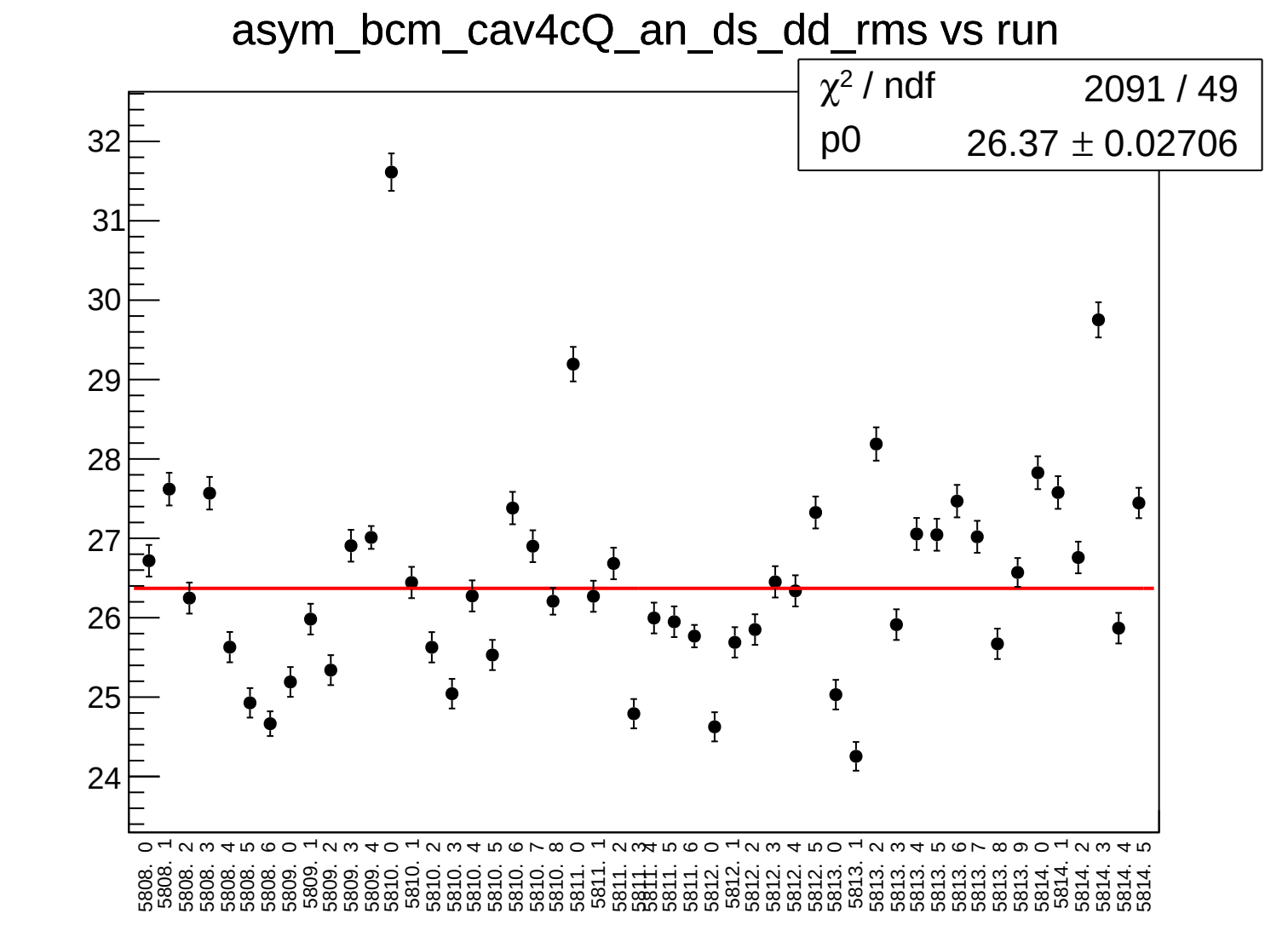

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 762.6 / 49
p0 25.65 ± 0.0263
28
27
26
25
24
23
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

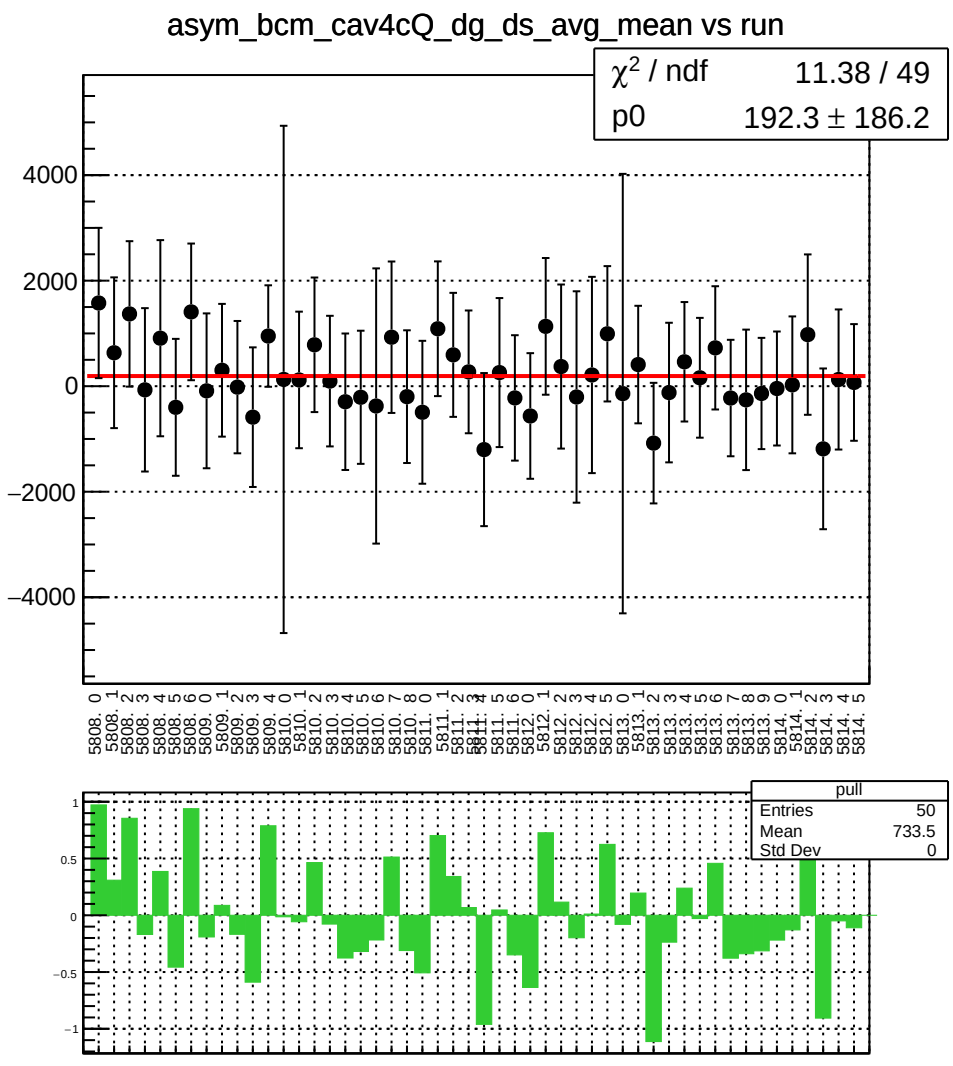

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 11.62 / 49
p0 144.6 ± 185
6000
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 594.7
Std Dev 0
1
0.5
0
−0.5
−1

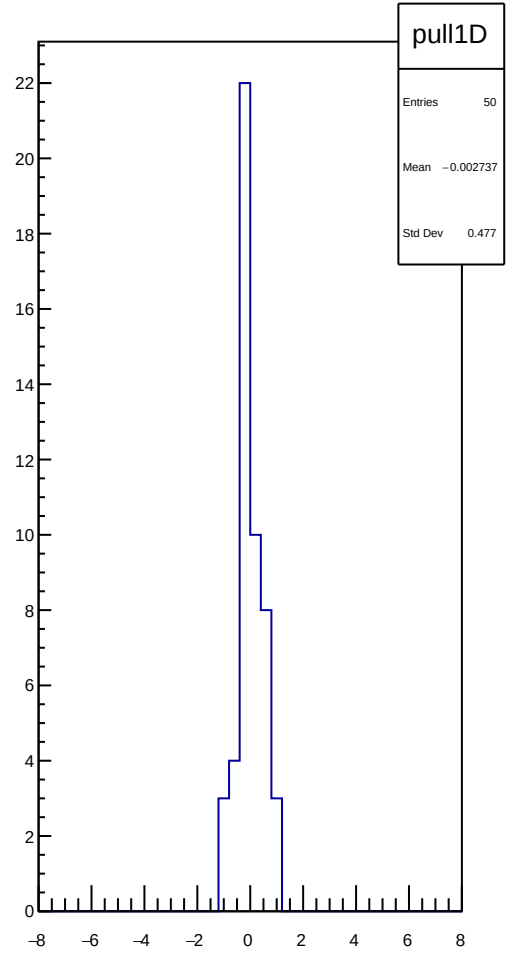

pull1D
Entries 50
Mean −0.00341
Std Dev 0.4822
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

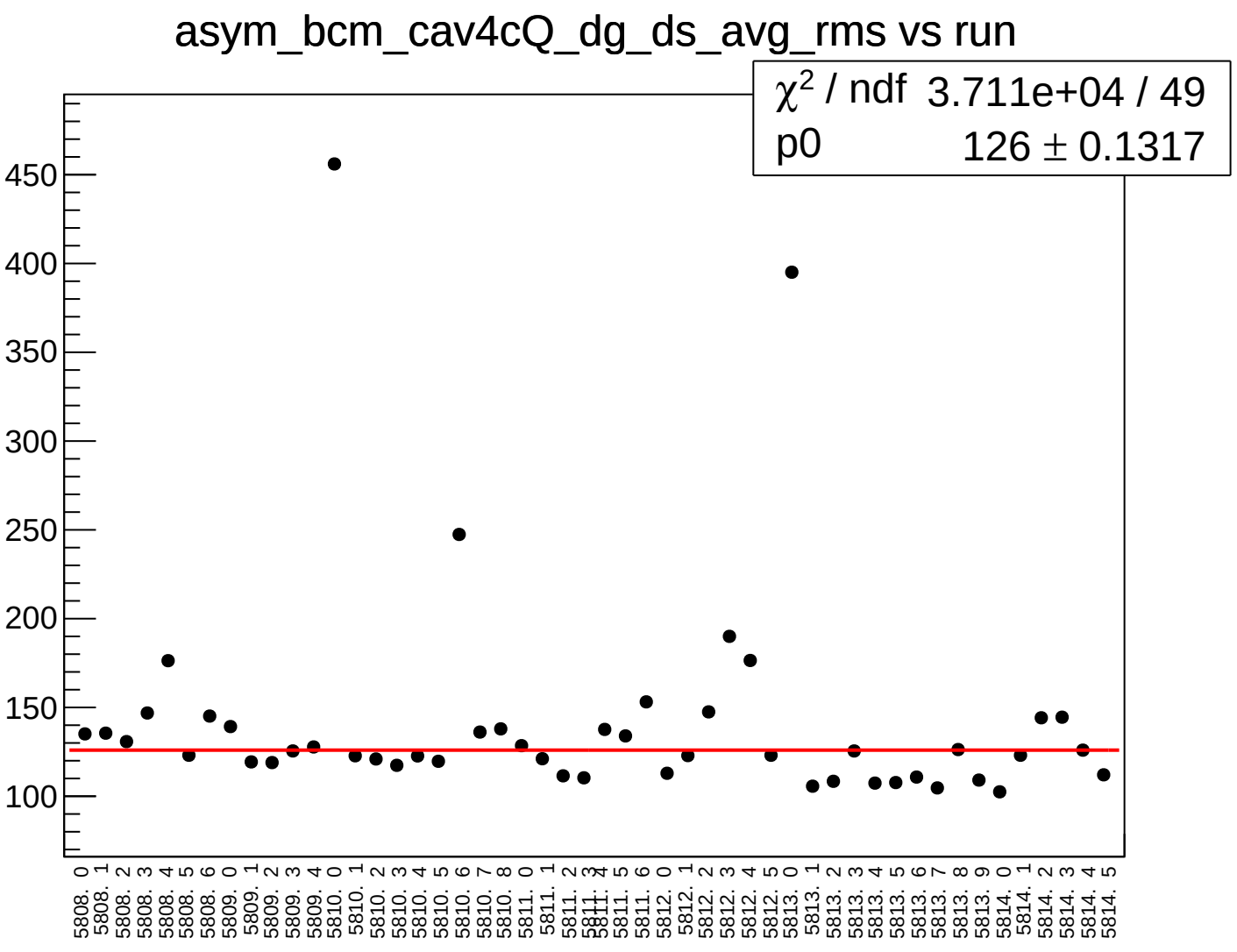

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 3.782e+04 / 49
p0 125.1 ± 0.1308
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

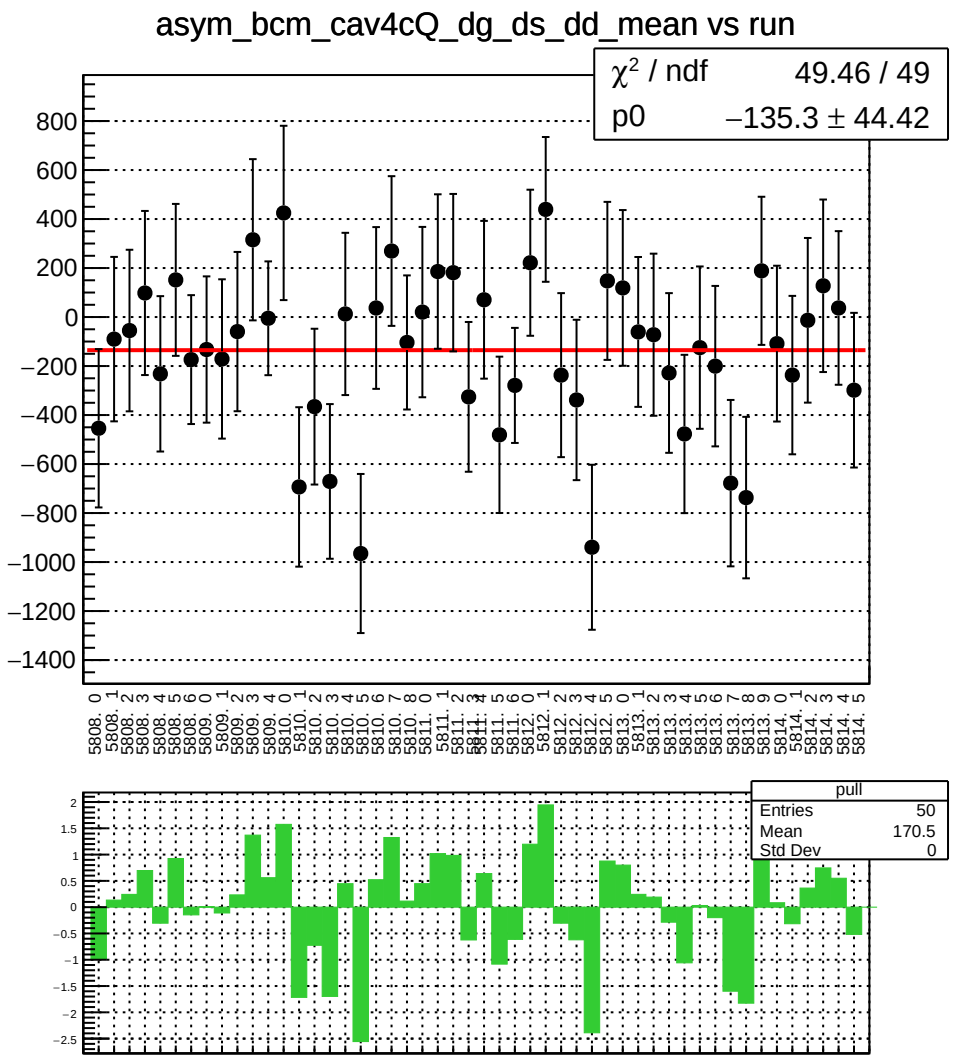

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 48.17 / 49
p0 −101.6 ± 38.26
1000
500
0
−500
−1000
pull
Entries 50
Mean −62.88
Std Dev 0
pull1D
Entries 50
Mean 0.01501
Std Dev 0.9814

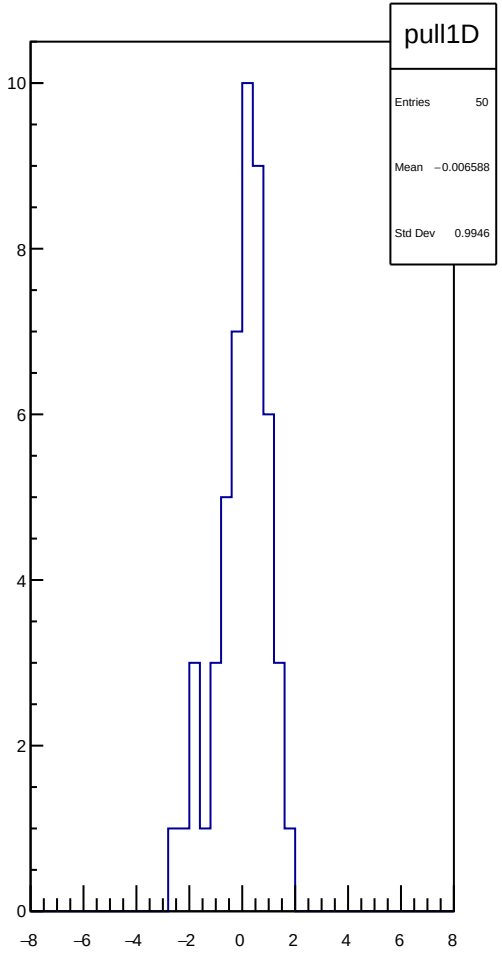

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 2091 / 49
p0 26.37 ± 0.02706
32
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

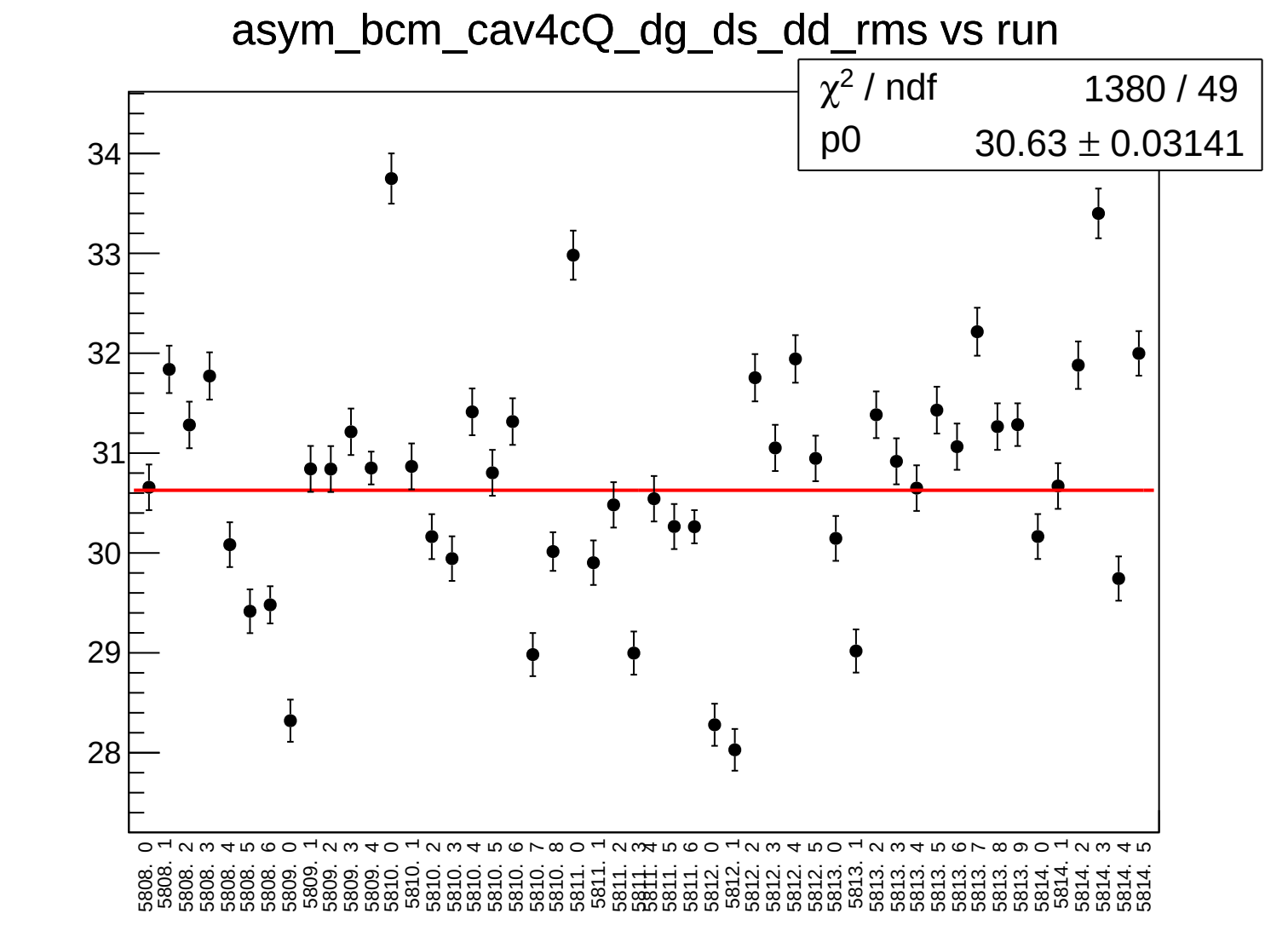

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 11.38 / 49
p0 192.3 ± 186.2
4000
2000
0
−2000
−4000
pull
Entries 50
Mean 733.5
Std Dev 0
1
0.5
0
−0.5
−1


pull1D
Entries 50
Mean −0.002737
Std Dev 0.477
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 3.711e+04 / 49
p0 126 ± 0.1317
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 49.46 / 49
p0 −135.3 ± 44.42
pull
Entries 50
Mean 170.5
Std Dev 0


pull1D
Entries 50
Mean −0.006588
Std Dev 0.9946


asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 1380 / 49
p0 30.63 ± 0.03141
34
33
32
31
30
29
28
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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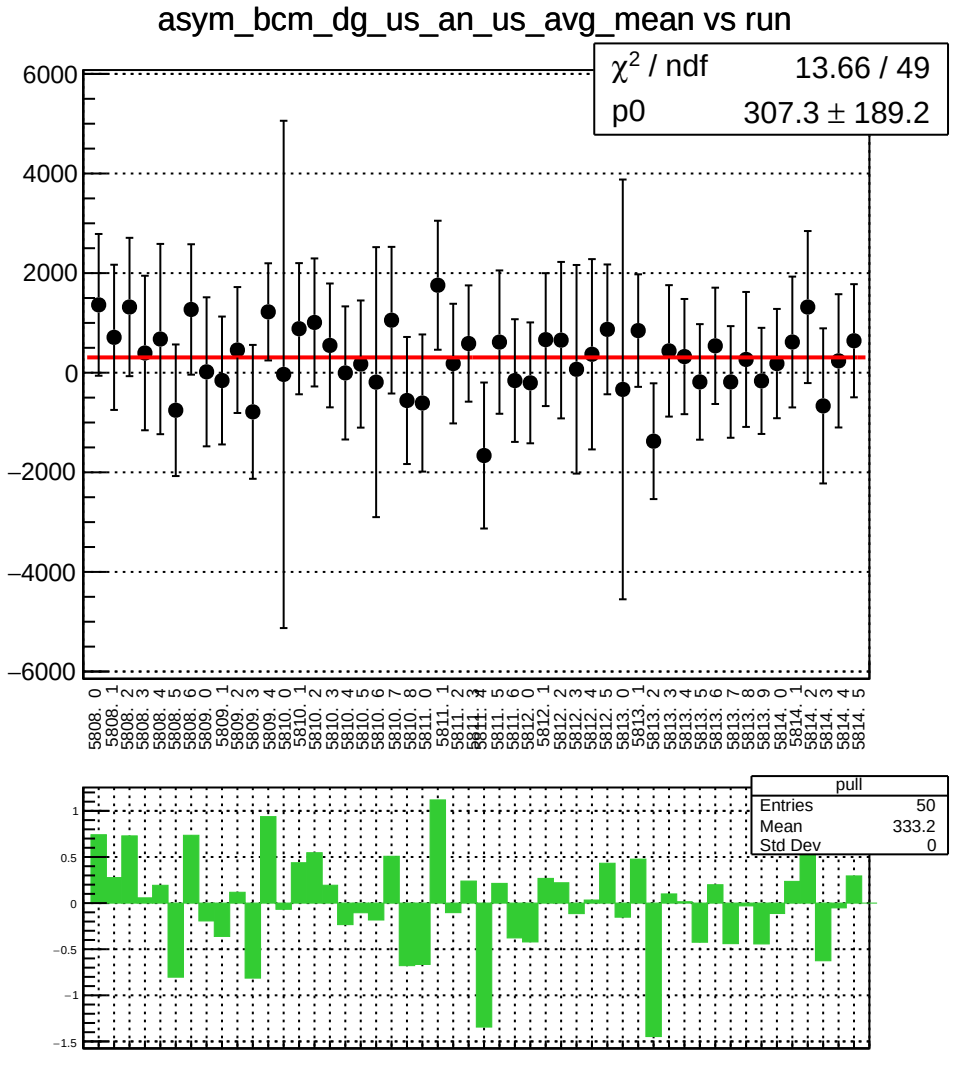
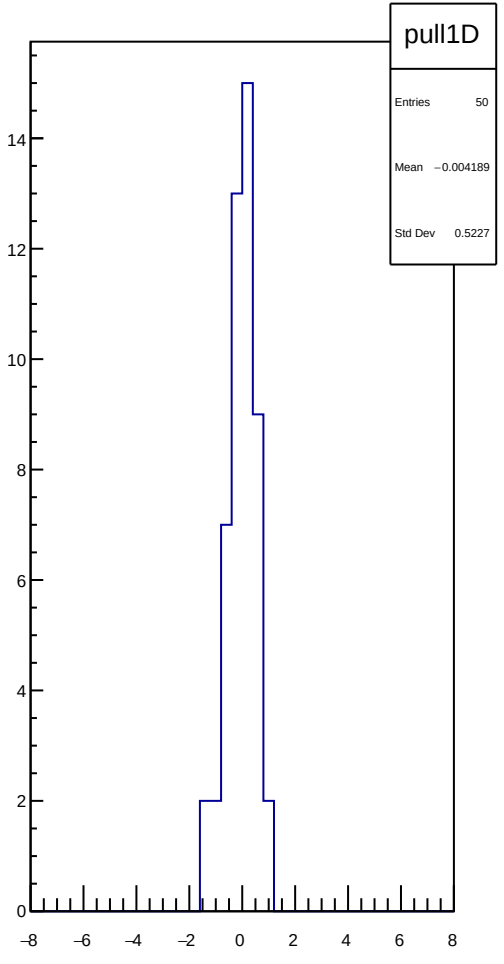
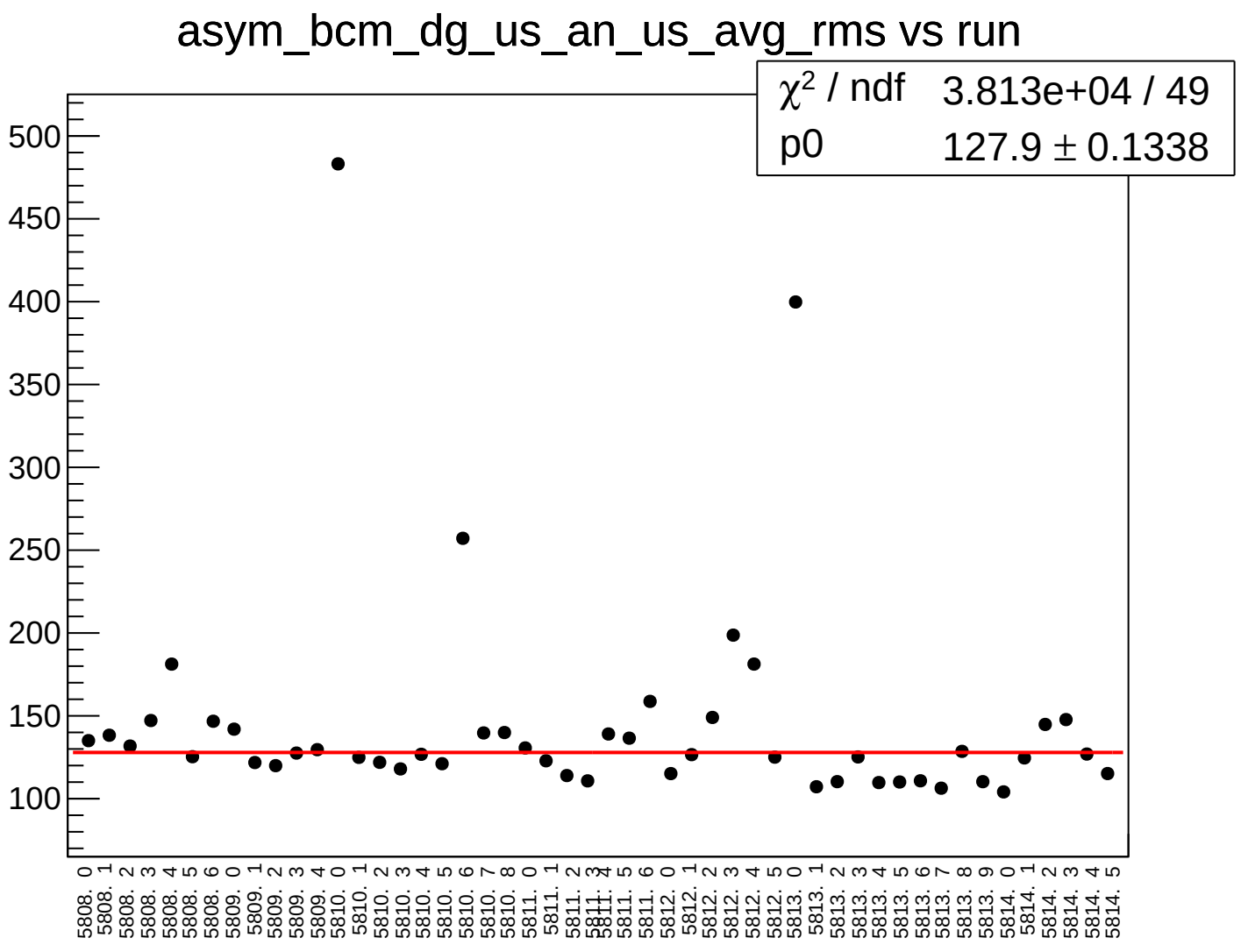
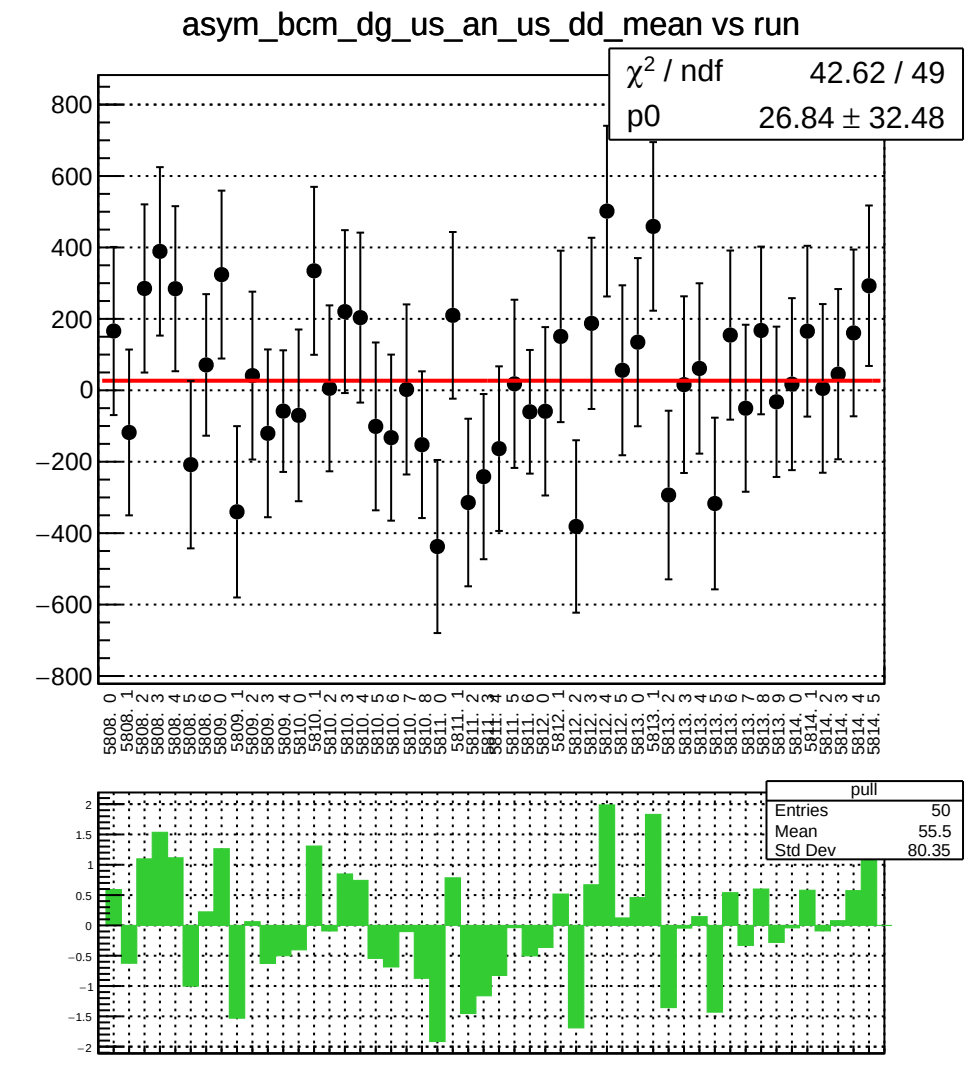
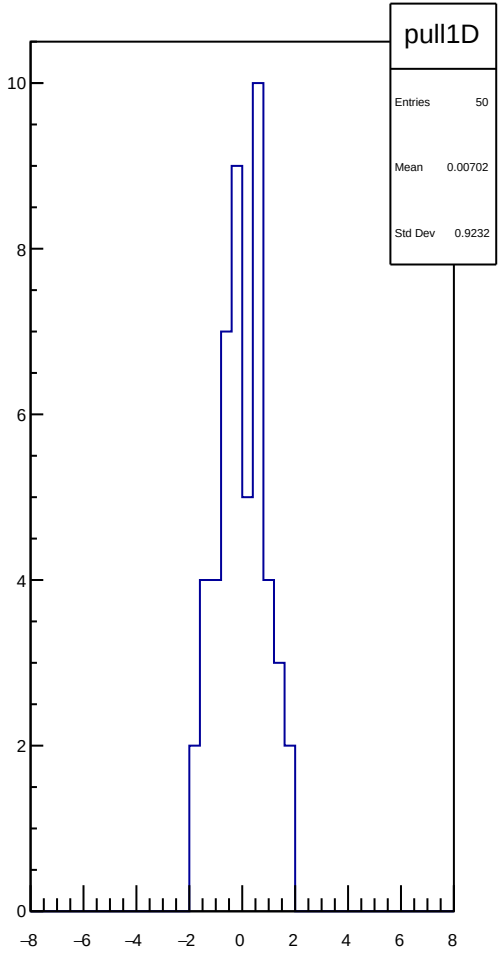
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

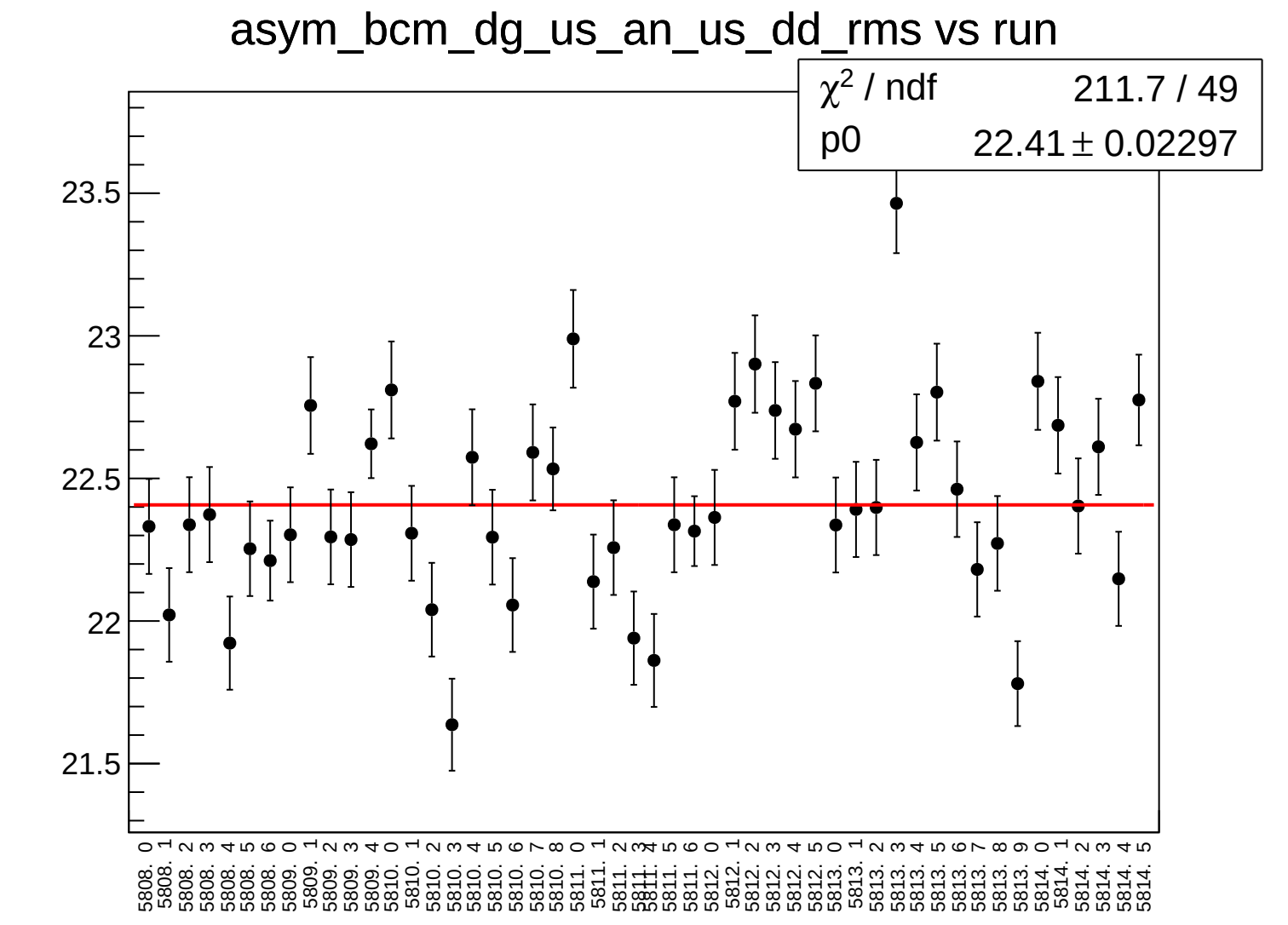

asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 13.66 / 49
p0 307.3 ± 189.2
pull
Entries 50
Mean 333.2
Std Dev 0


pull1D
Entries 50
Mean −0.004189
Std Dev 0.5227


asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.813e+04 / 49
p0 127.9 ± 0.1338
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 42.62 / 49
p0 26.84 ± 32.48
pull
Entries 50
Mean 55.5
Std Dev 80.35


pull1D
Entries 50
Mean 0.00702
Std Dev 0.9232


asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 211.7 / 49
p0 22.41 ± 0.02297
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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5813. 9
5814. 0
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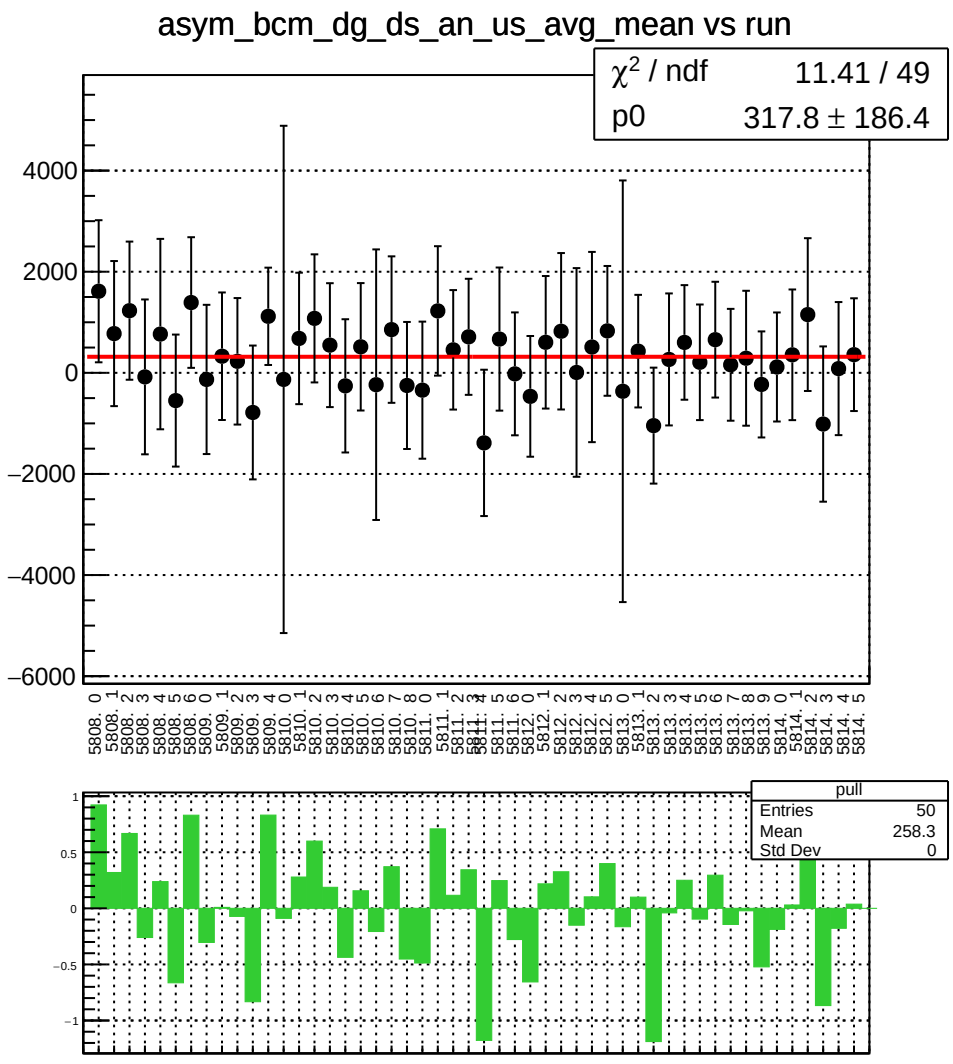
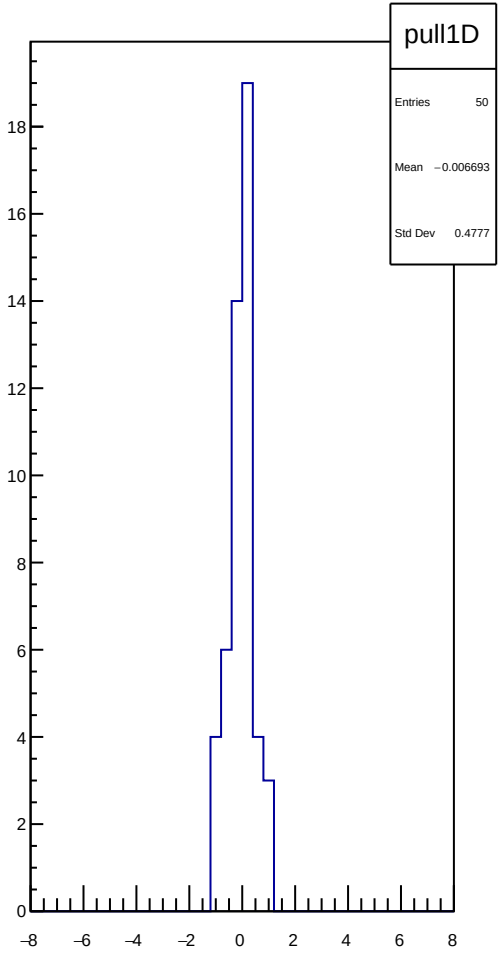

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 11.41 / 49
p0 317.8 ± 186.4
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 258.3
Std Dev 0
1
0.5
0
−0.5
−1


pull1D
Entries 50
Mean −0.006693
Std Dev 0.4777
18
16
14
12
10
8
6
4
2
0
−8
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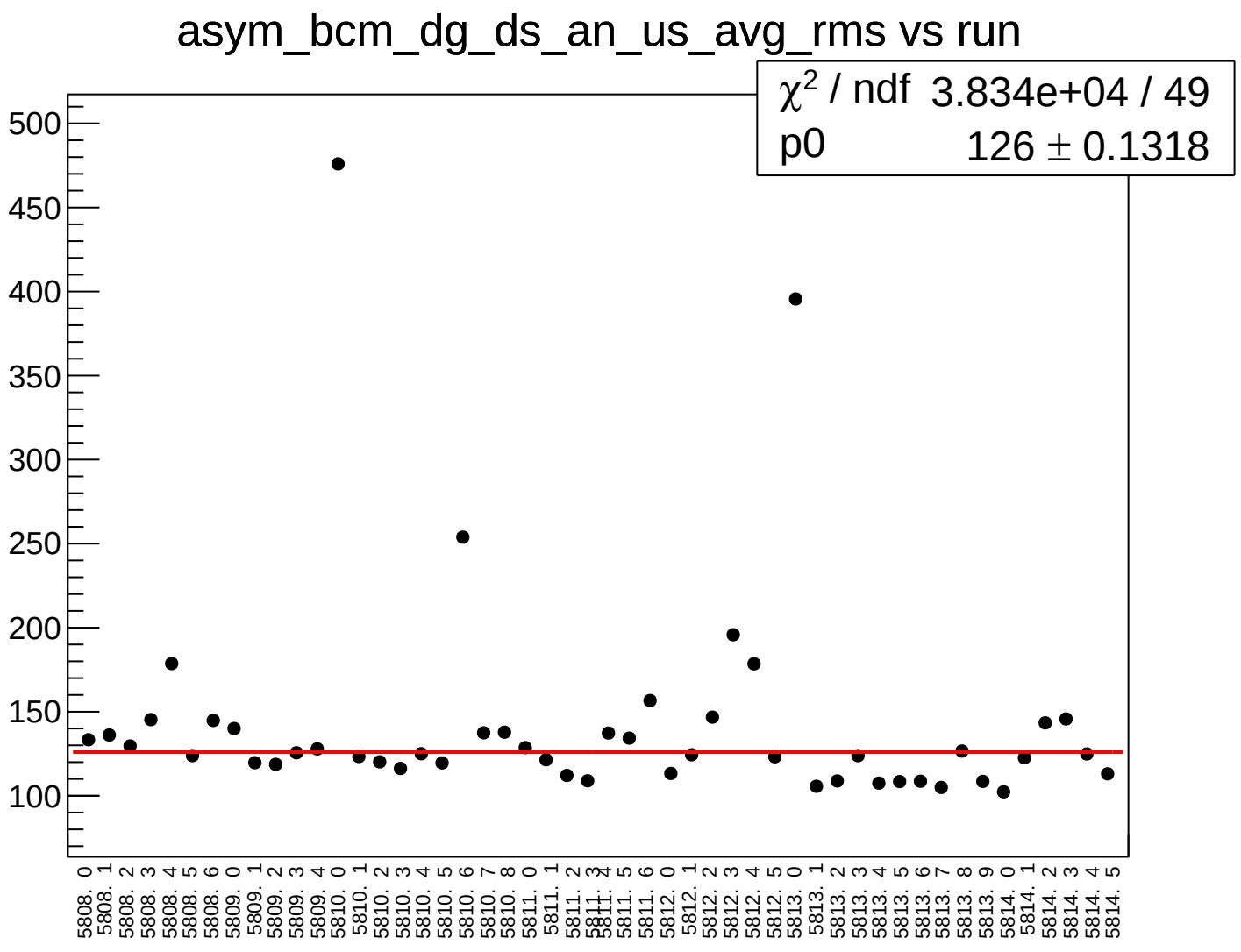
−4
−2
0
2
4
6
8


asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.834e+04 / 49
p0 126 ± 0.1318
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
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5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 5
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5814. 0
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5814. 2
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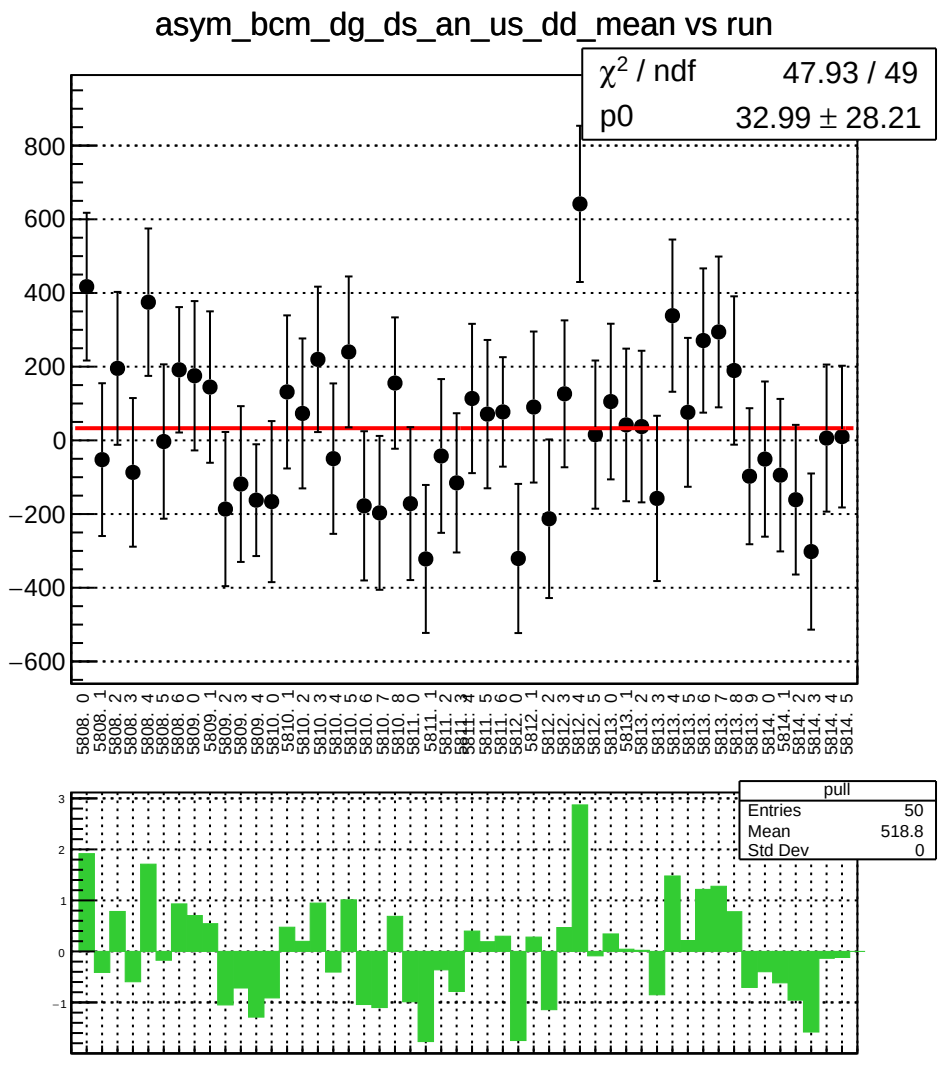
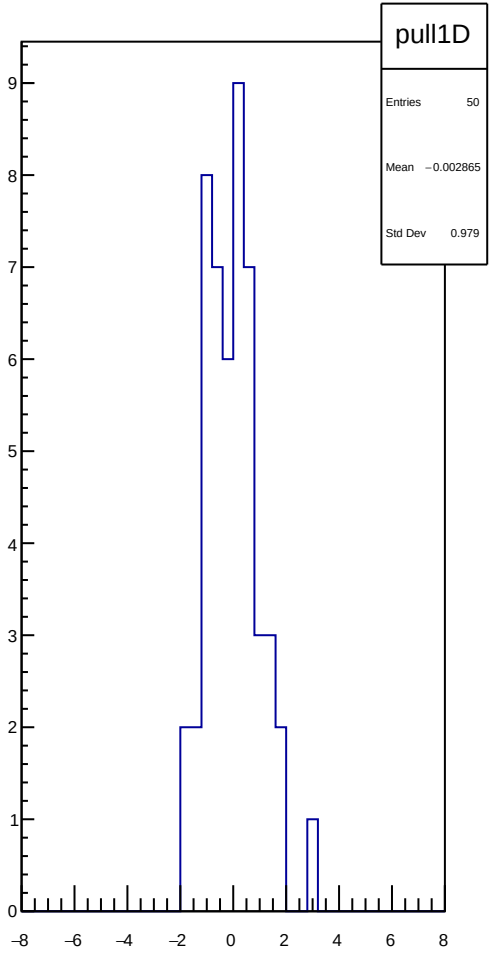
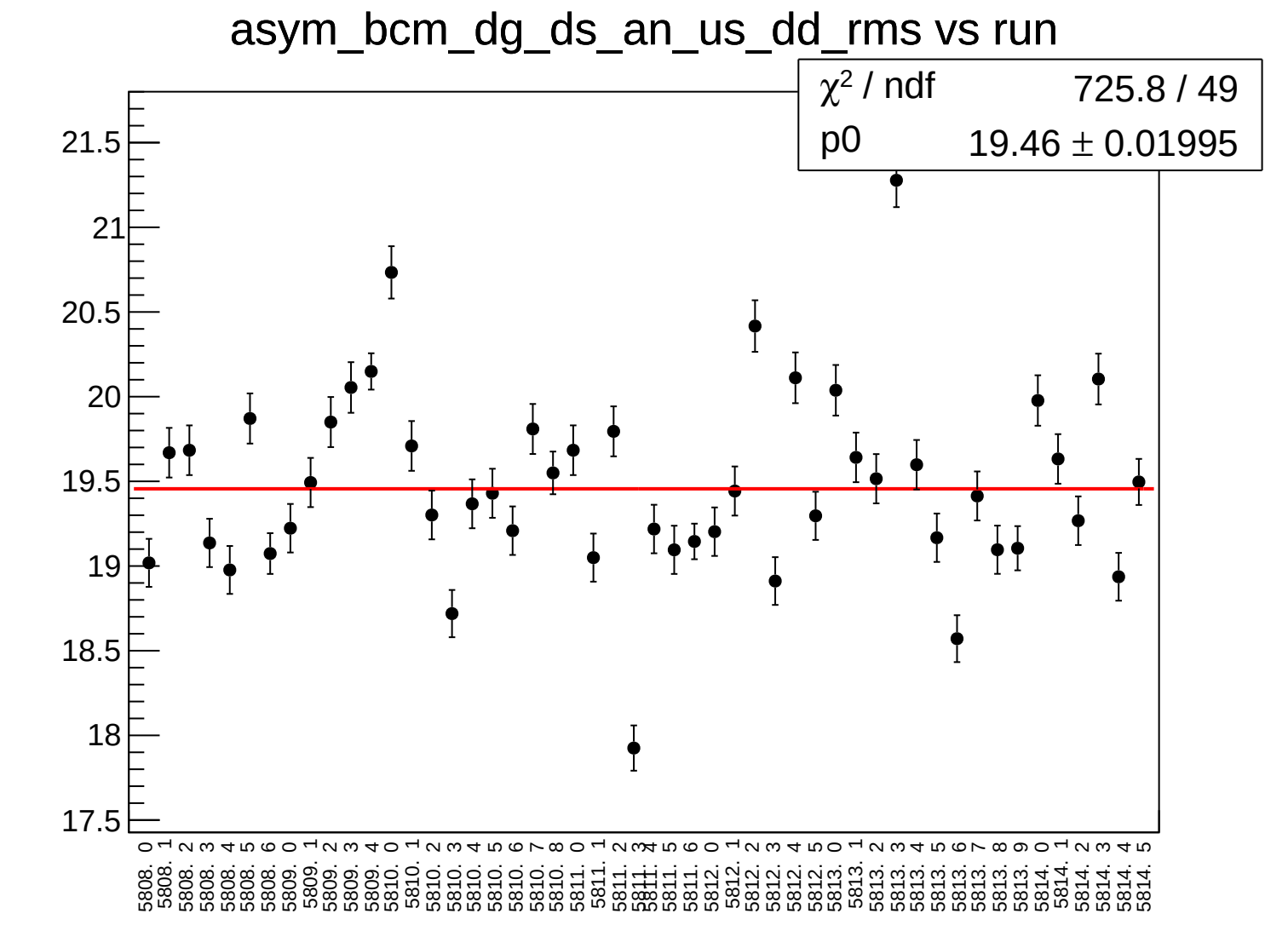
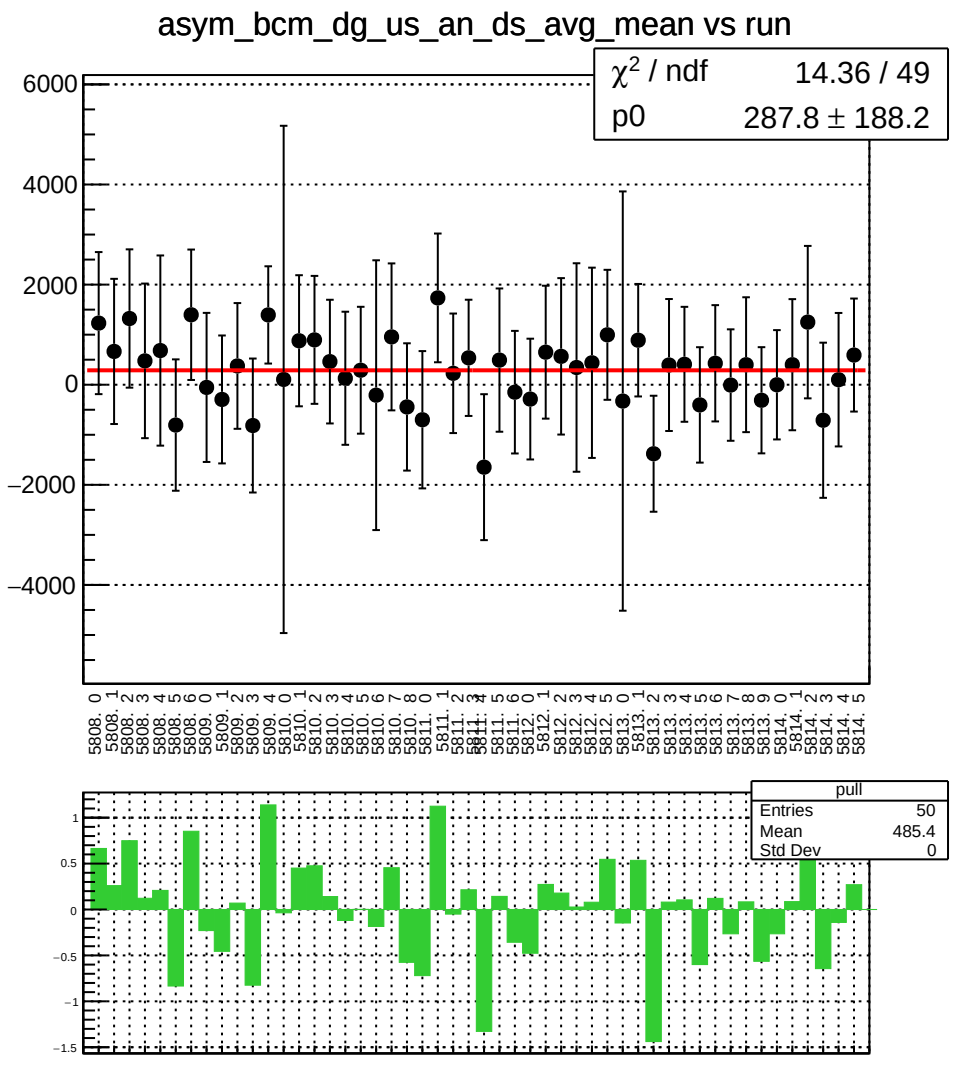
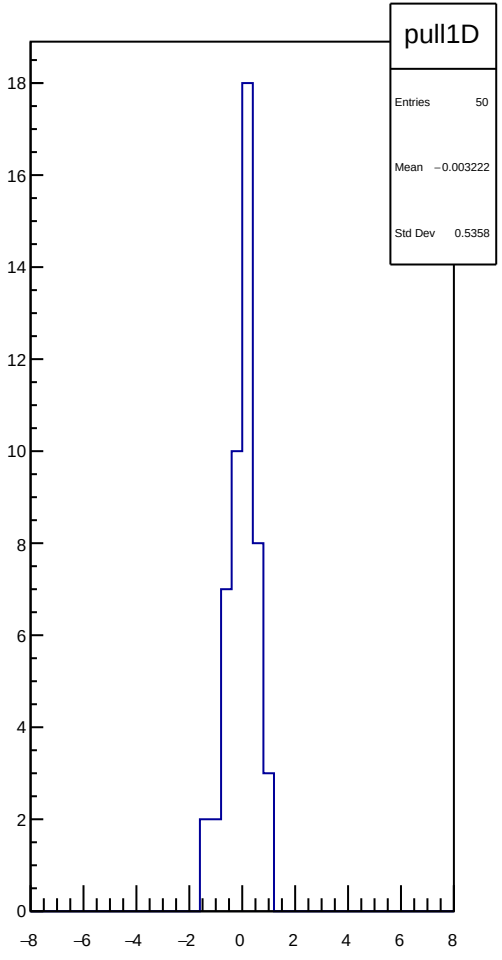
5814. 4
5814. 5

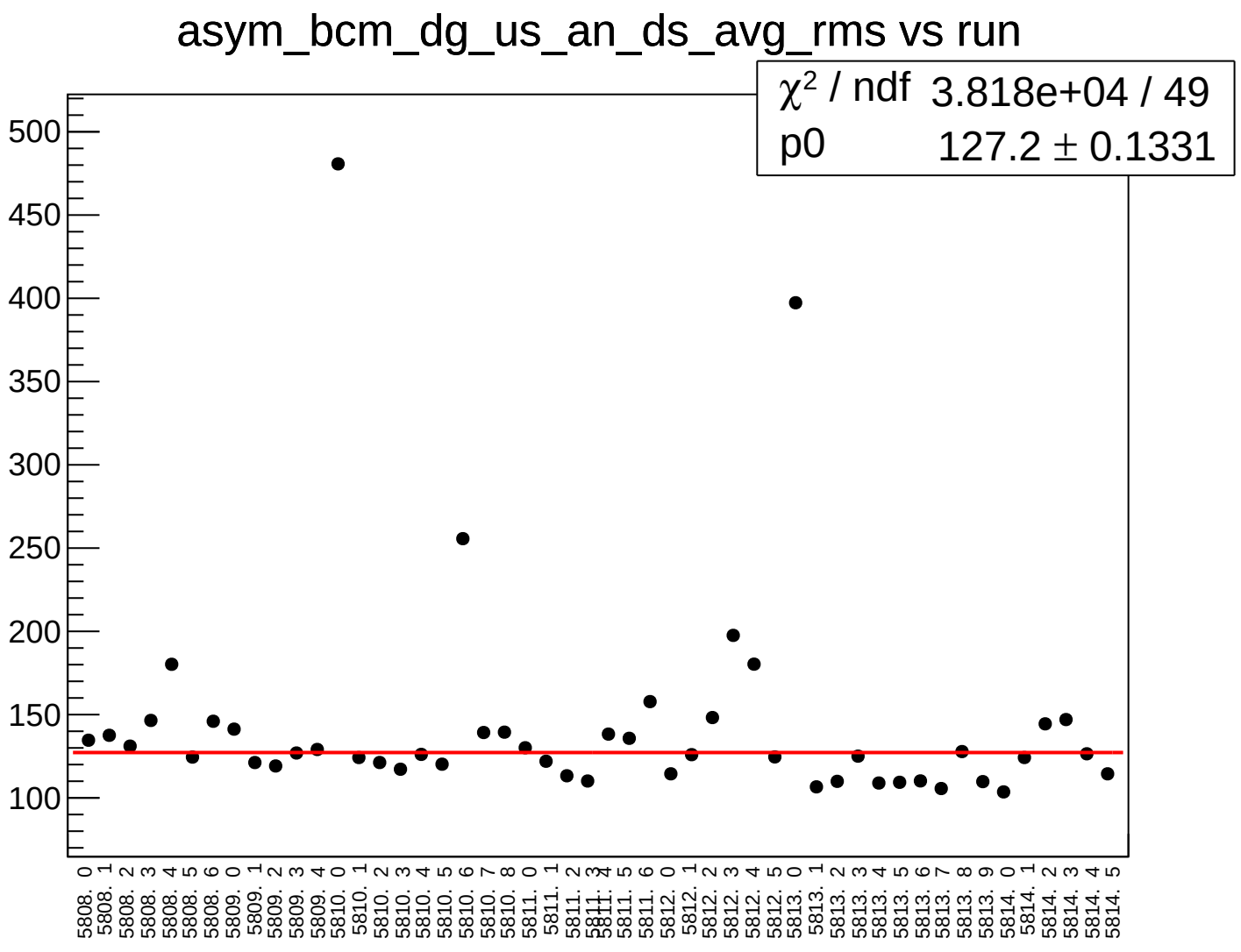

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 47.93 / 49
p0 32.99 ± 28.21
pull
Entries 50
Mean 518.8
Std Dev 0

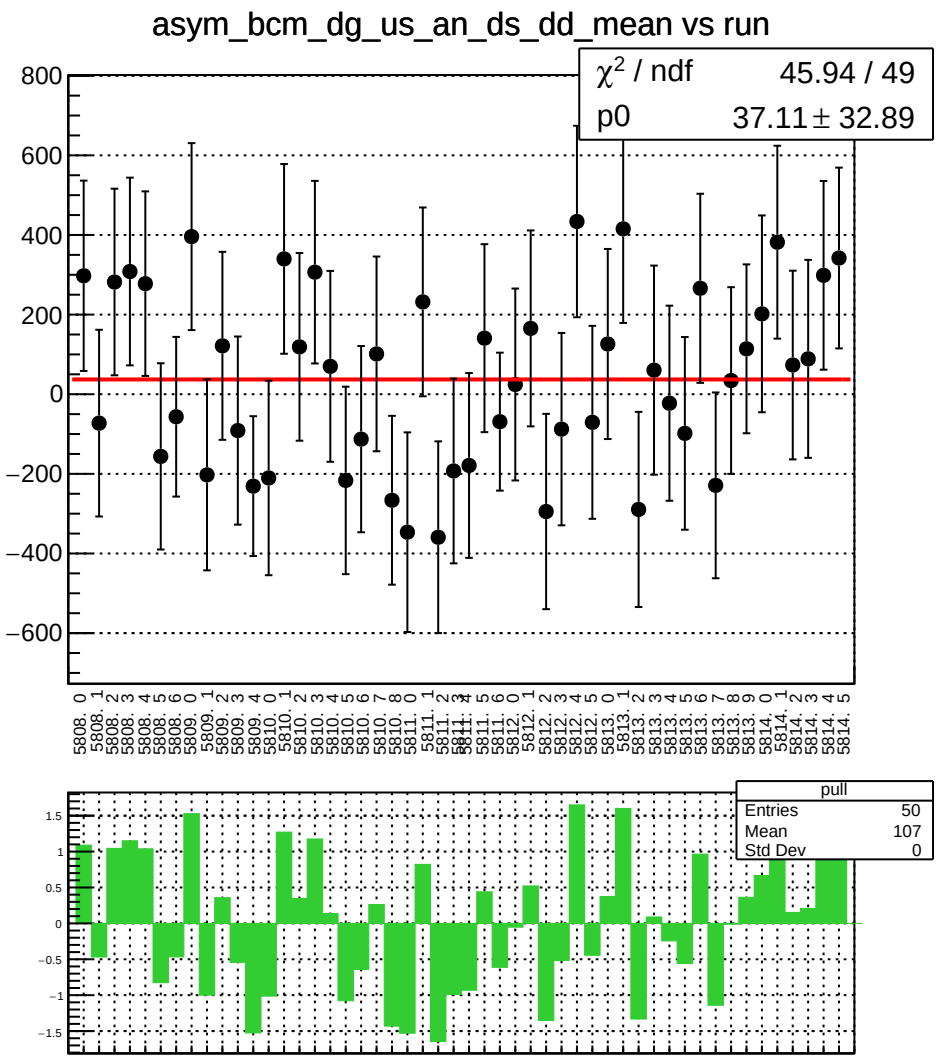

pull1D
Entries 50
Mean −0.002865
Std Dev 0.979

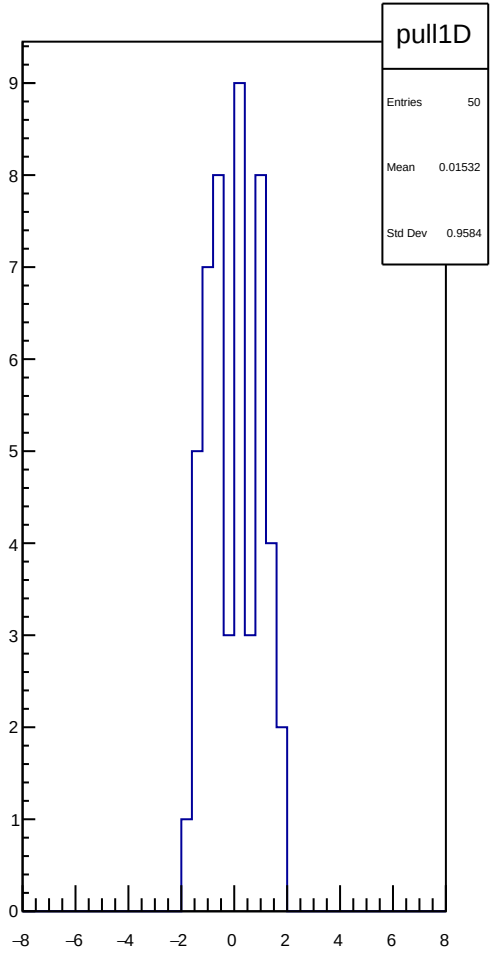

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 725.8 / 49
p0 19.46 ± 0.01995
21.5
21
20.5
20
19.5
19
18.5
18
17.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

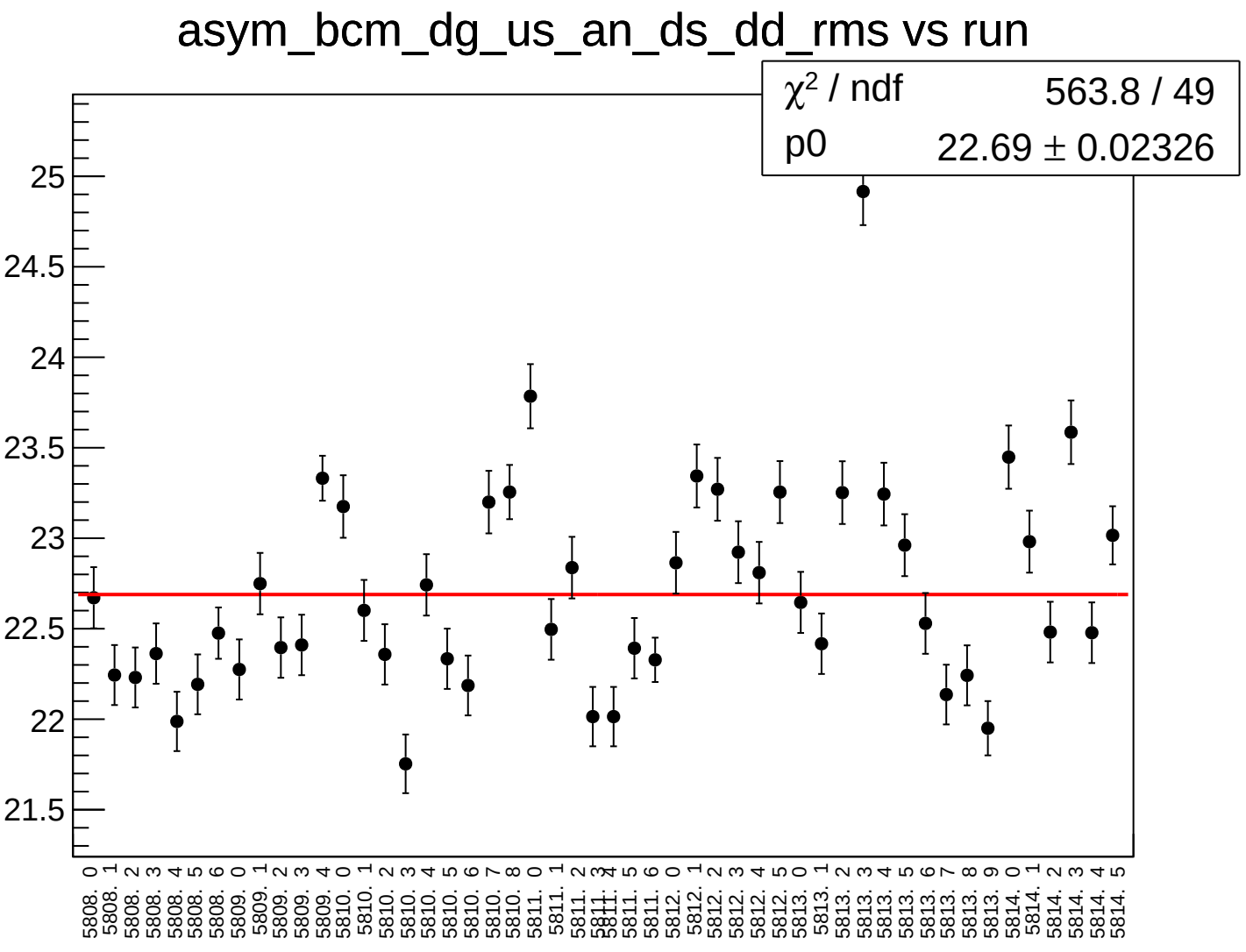

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 14.36 / 49
p0 287.8 ± 188.2
pull
Entries 50
Mean 485.4
Std Dev 0

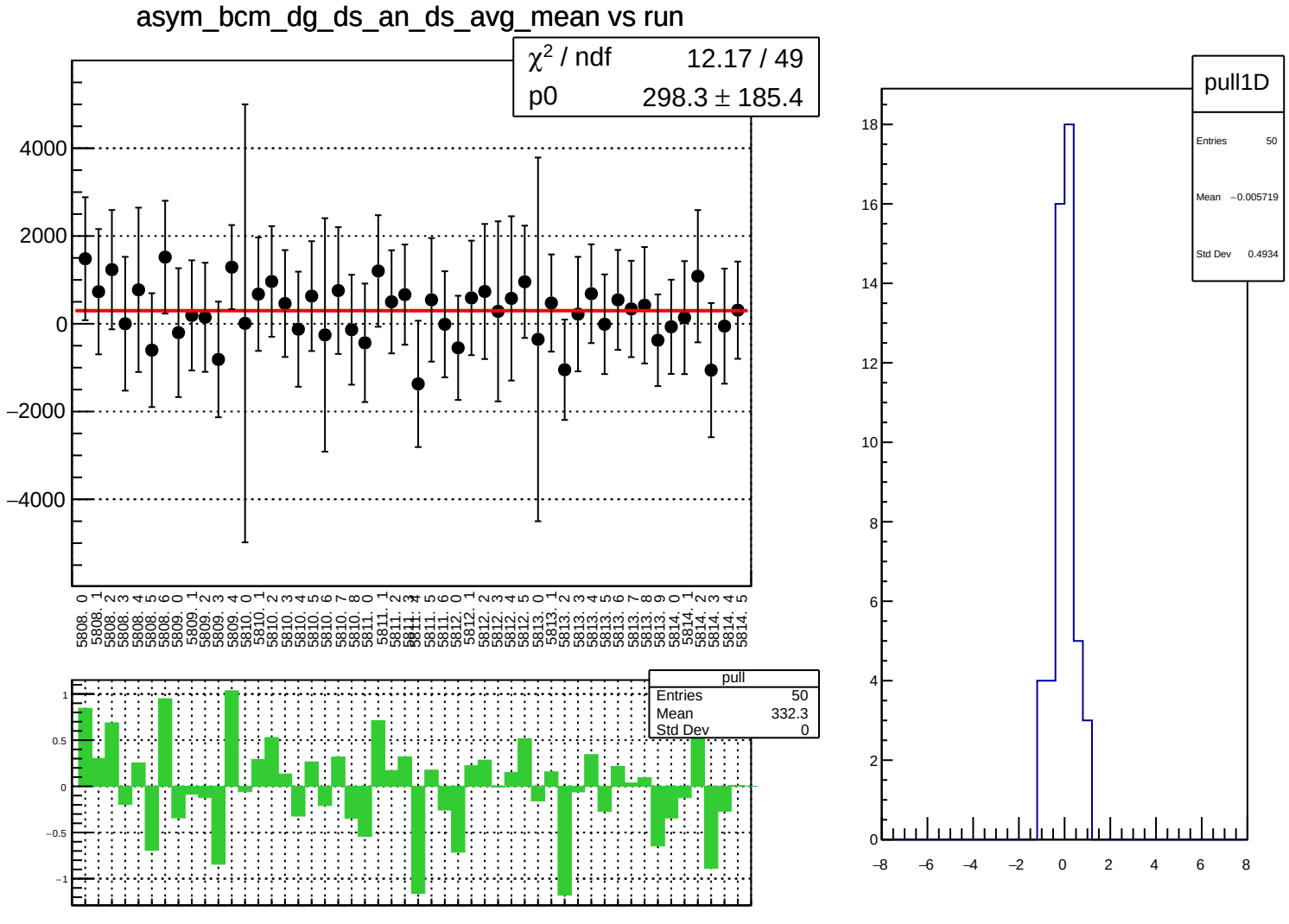

pull1D
Entries 50
Mean −0.003222
Std Dev 0.5358

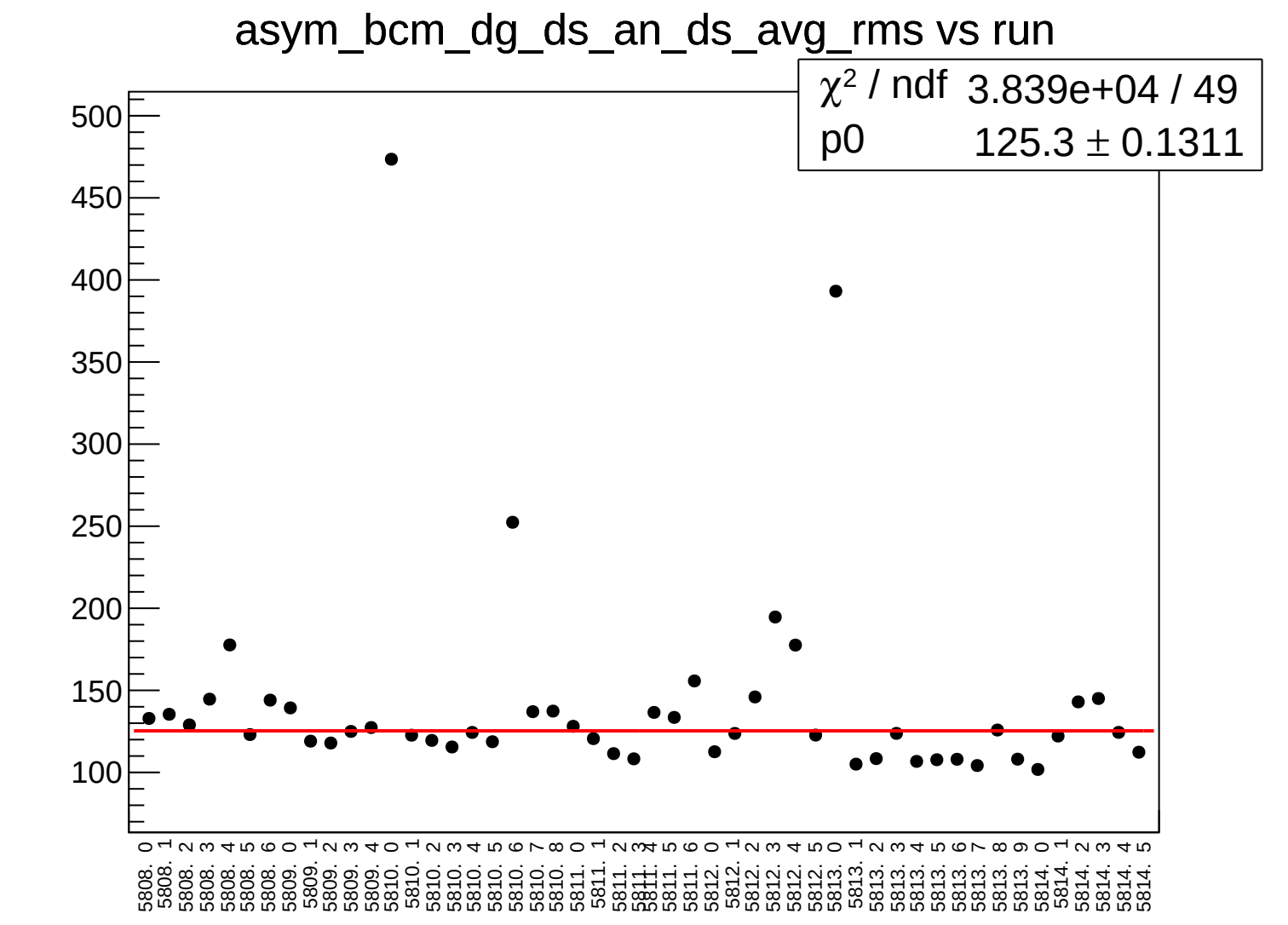

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.818e+04 / 49
p0 127.2 ± 0.1331
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

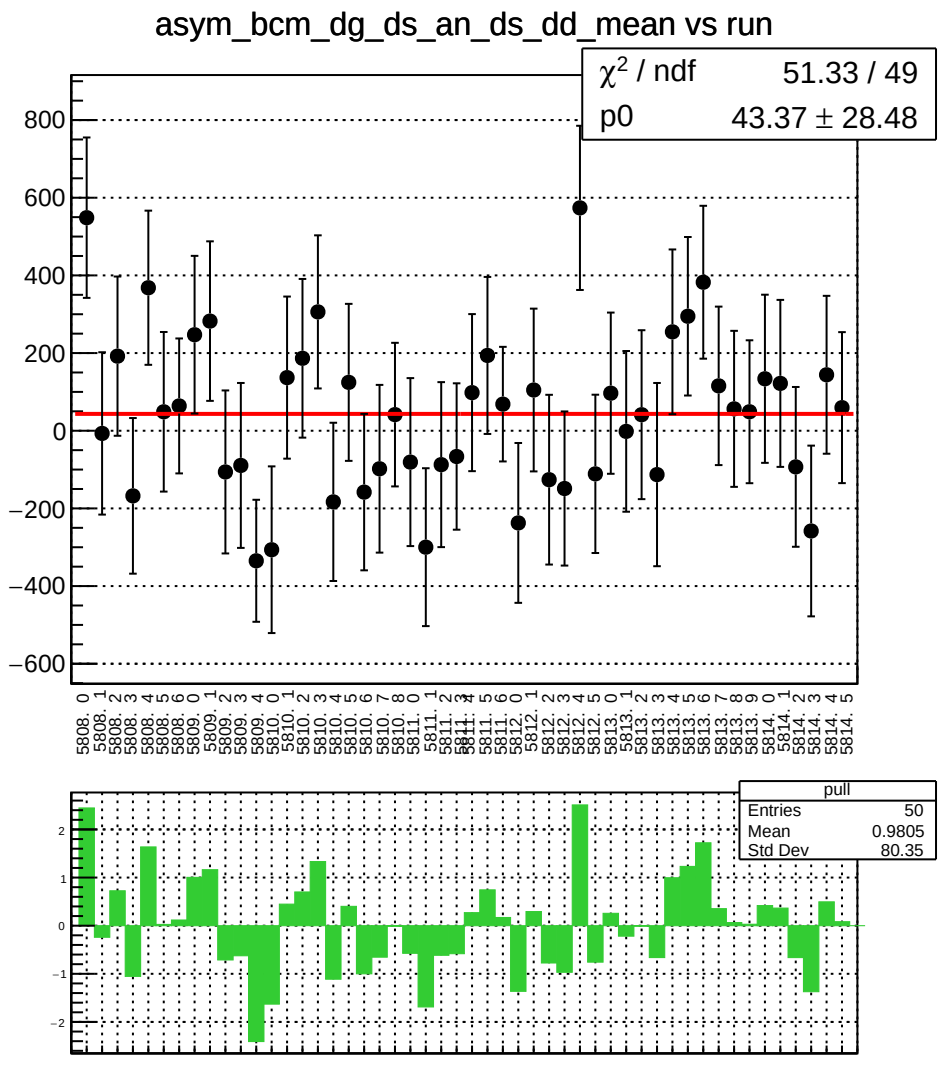

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 45.94 / 49
p0 37.11 ± 32.89
pull
Entries 50
Mean 107
Std Dev 0

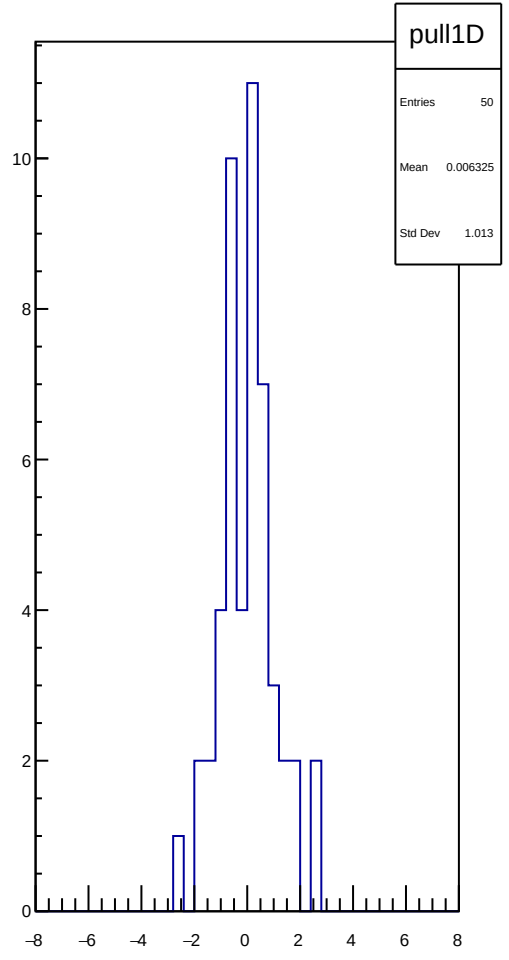

pull1D
Entries 50
Mean 0.01532
Std Dev 0.9584

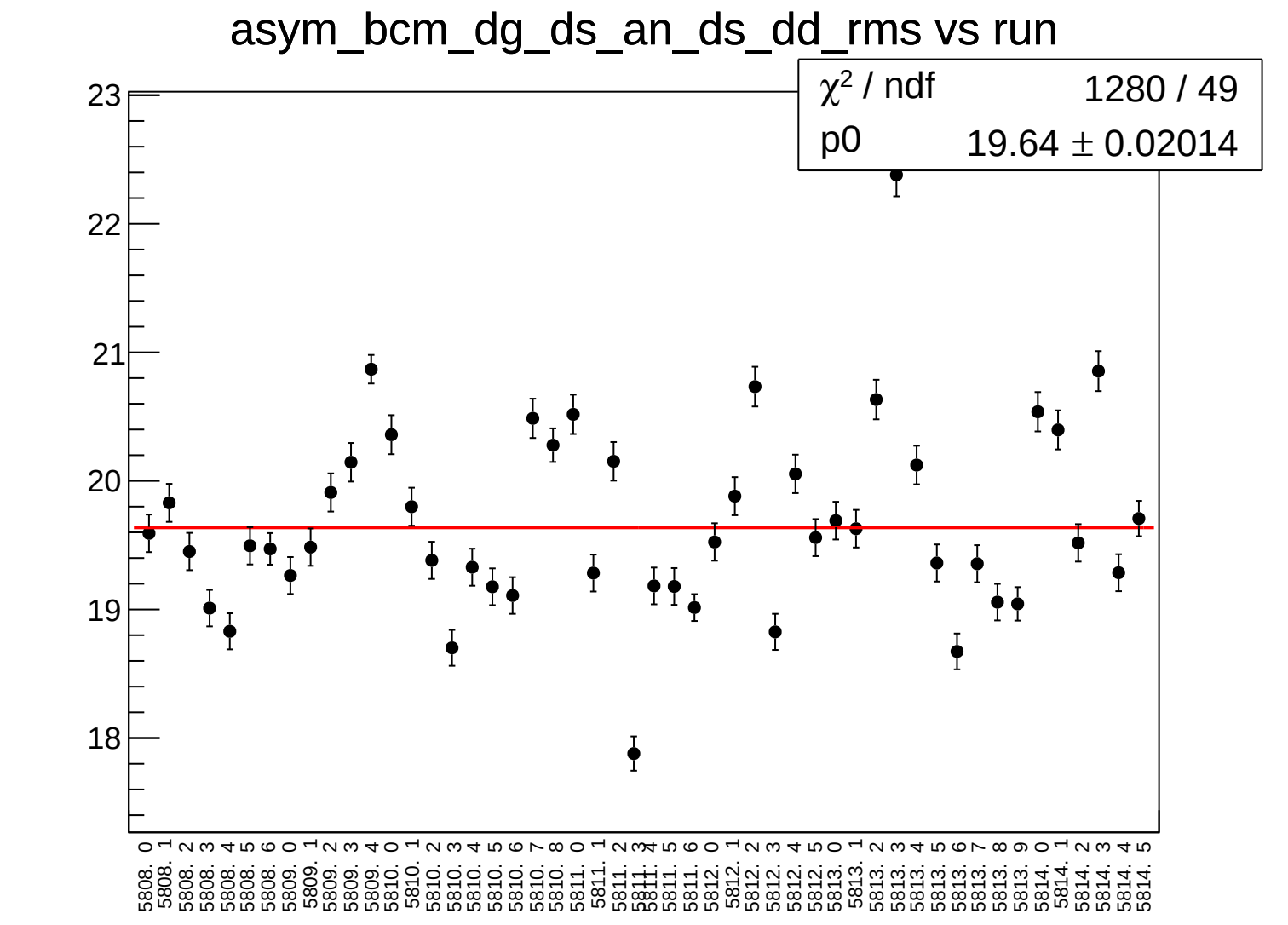

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 563.8 / 49
p0 22.69 ± 0.02326
25
24.5
24
23.5
23
22.5
22
21.5
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

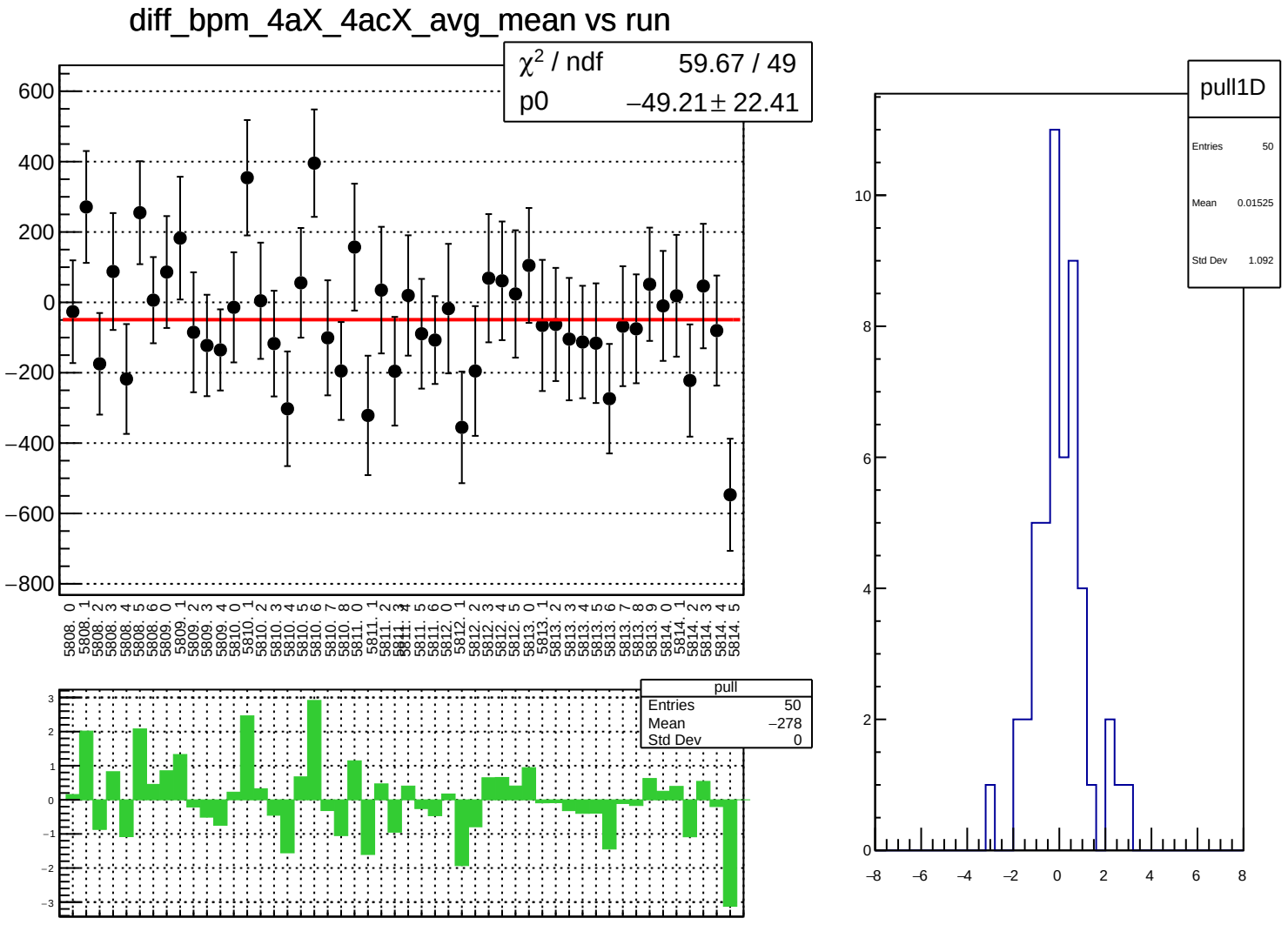

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 12.17 / 49
p0 298.3 ± 185.4
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 332.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.005719
Std Dev 0.4934
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

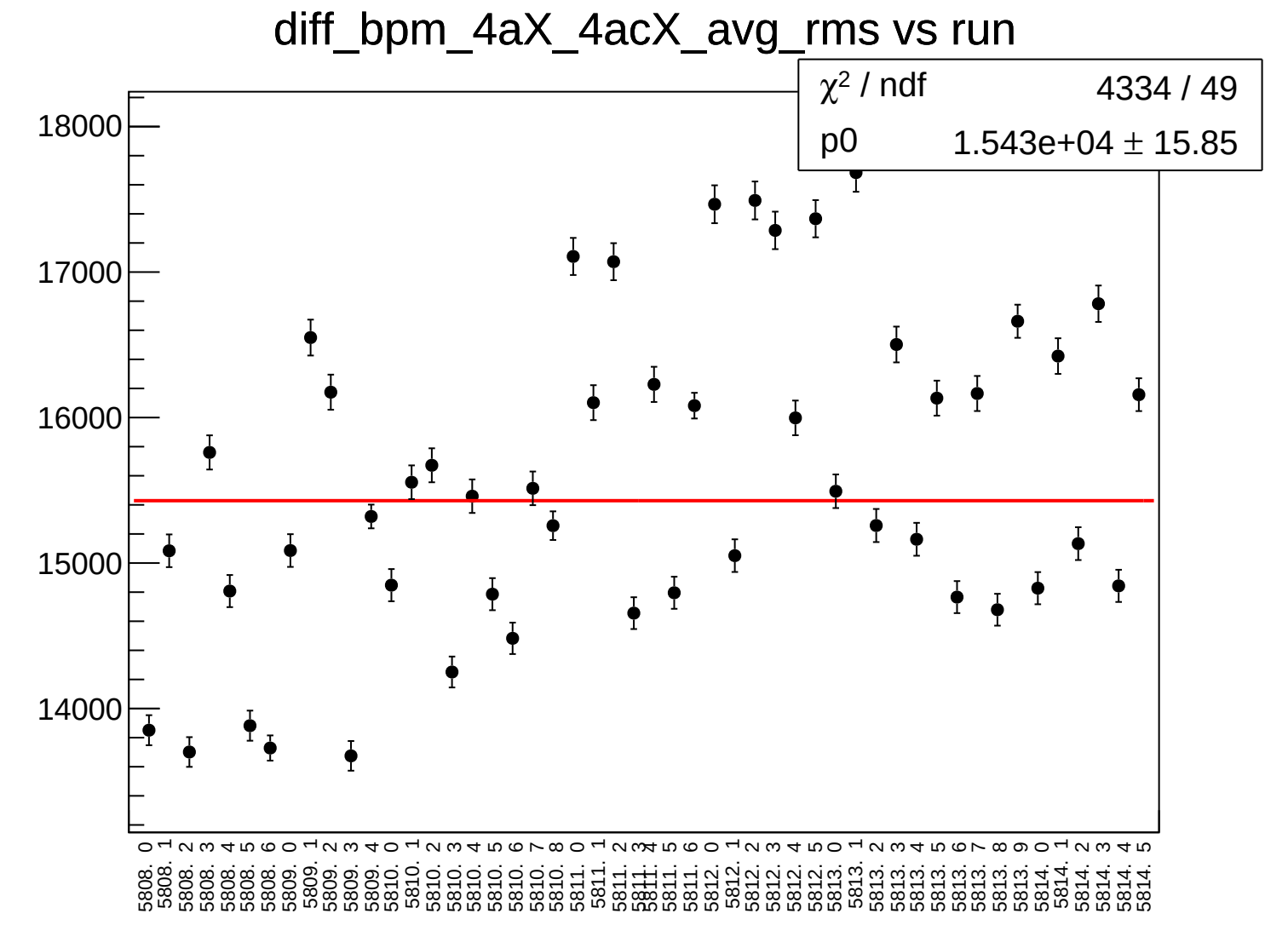

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.839e+04 / 49
p0 125.3 ± 0.1311
500
450
400
350
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

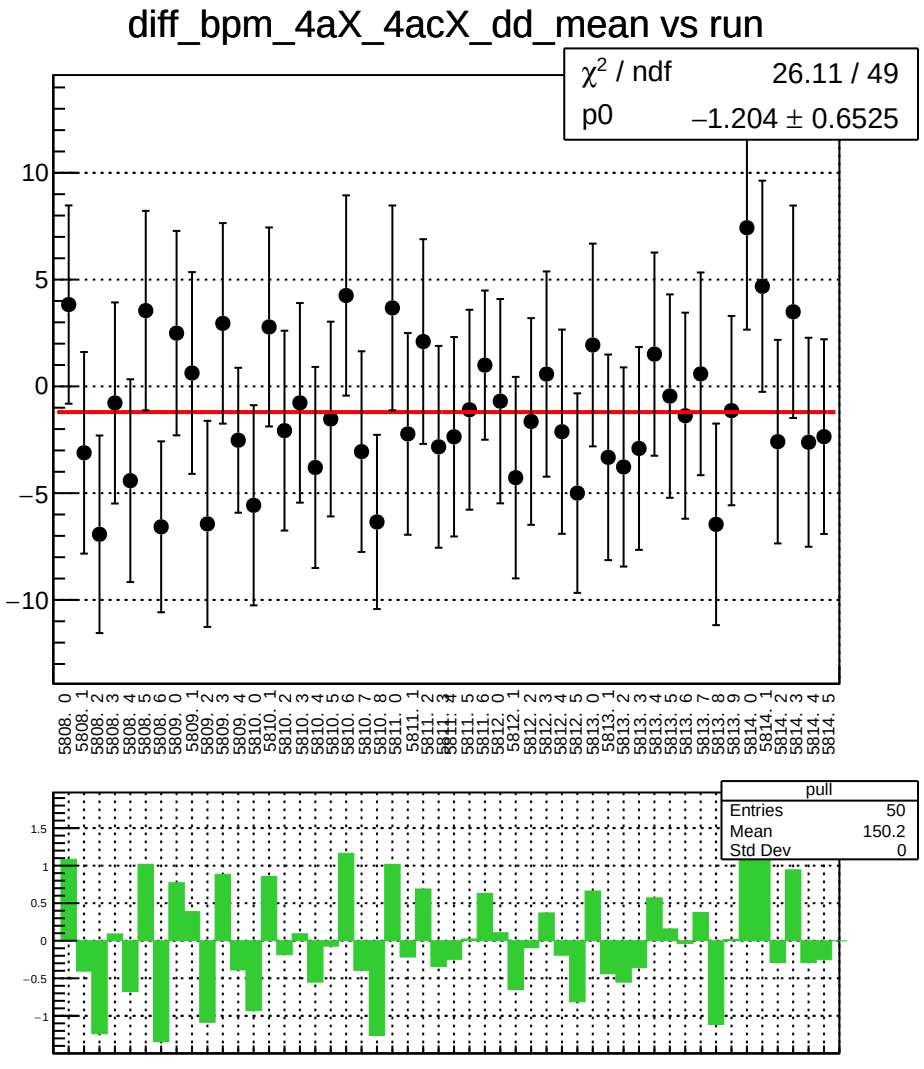

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 51.33 / 49
p0 43.37 ± 28.48
pull
Entries 50
Mean 0.9805
Std Dev 80.35

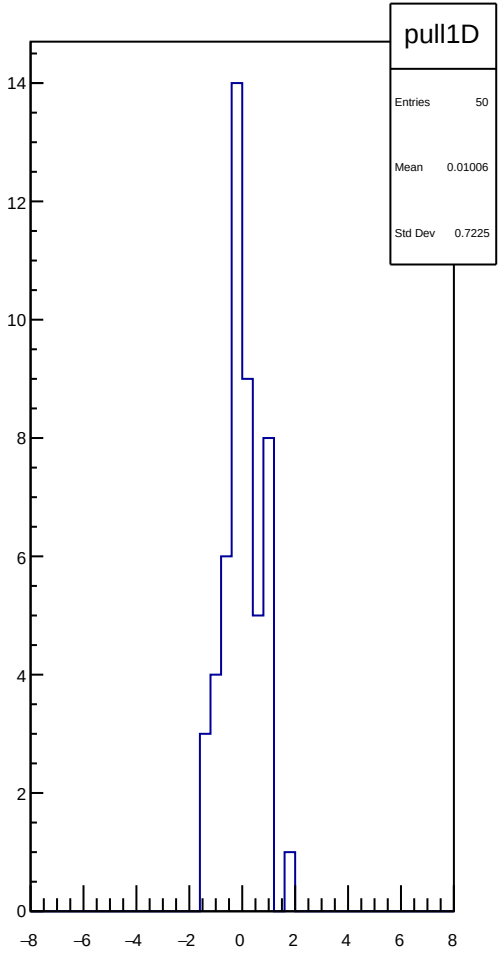

pull1D
Entries 50
Mean 0.006325
Std Dev 1.013

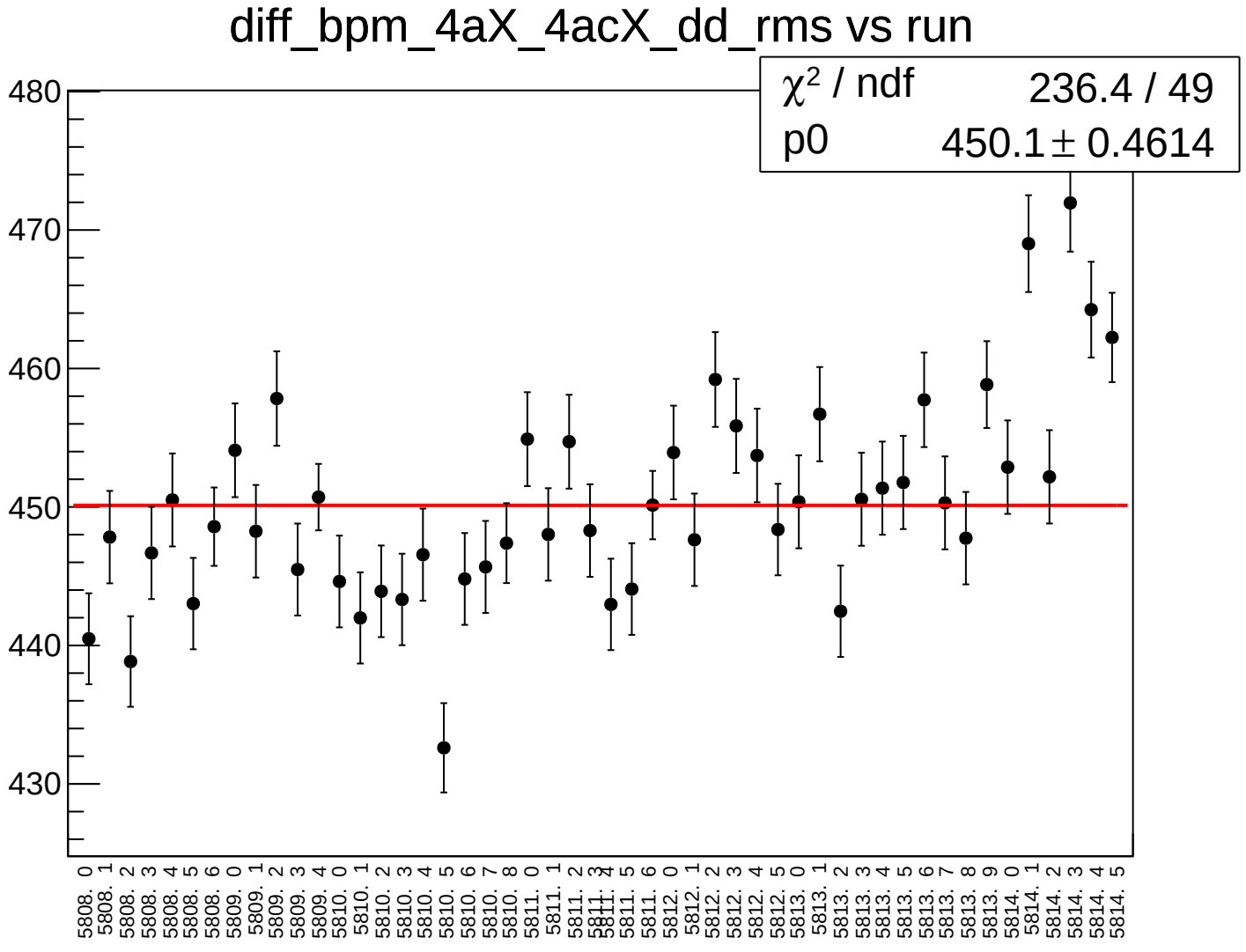

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 1280 / 49
p0 19.64 ± 0.02014
23
22
21
20
19
18
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

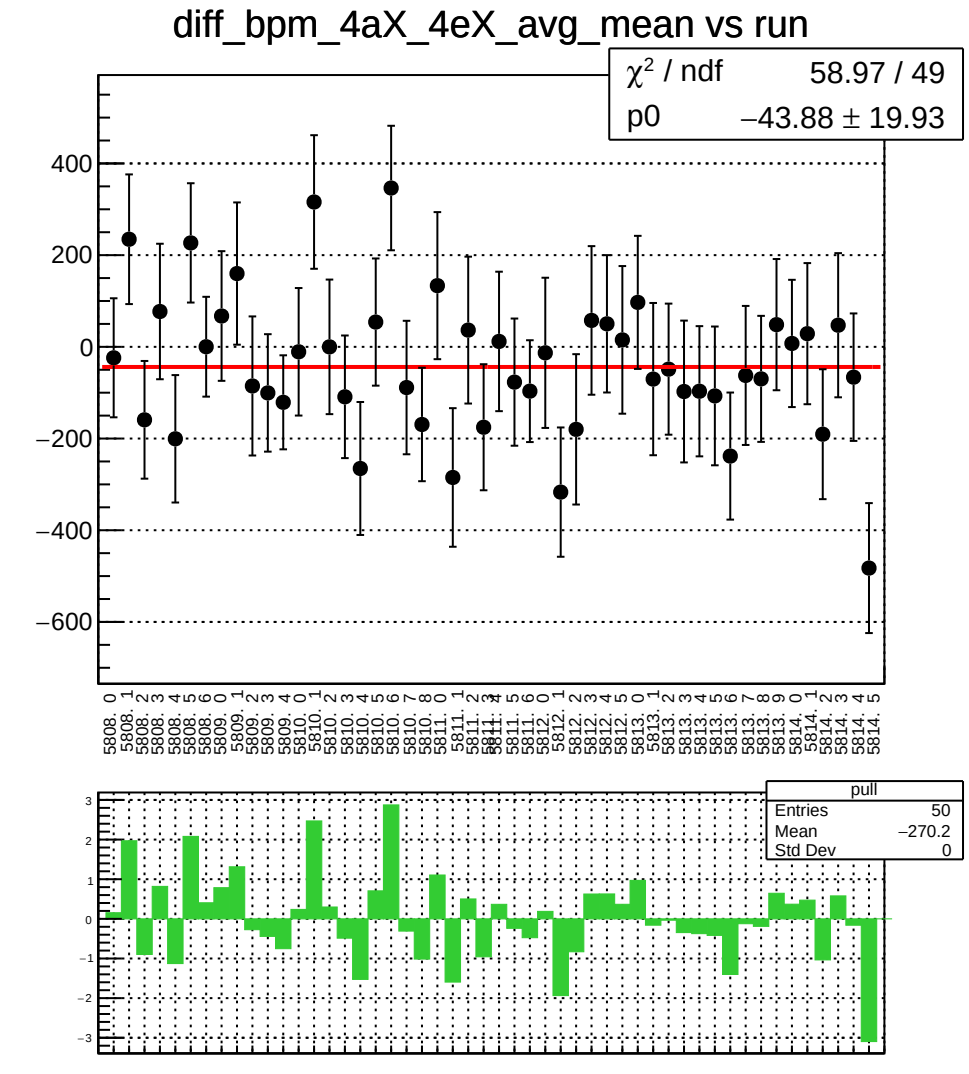

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 59.67 / 49
p0 −49.21 ± 22.41
pull
Entries 50
Mean −278
Std Dev 0
pull1D
Entries 50
Mean 0.01525
Std Dev 1.092

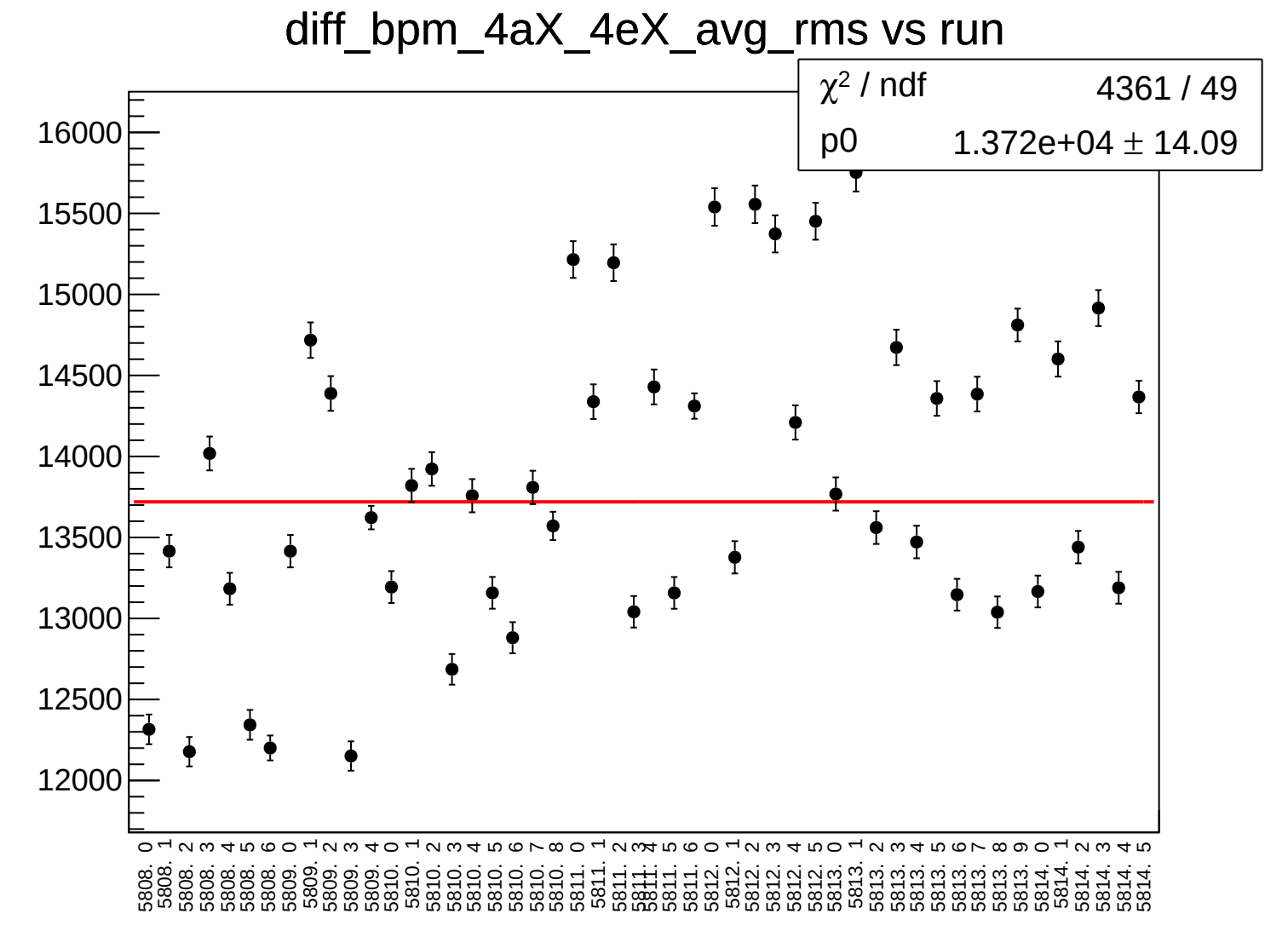

diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 4334 / 49
p0 1.543e+04 ± 15.85
18000
17000
16000
15000
14000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

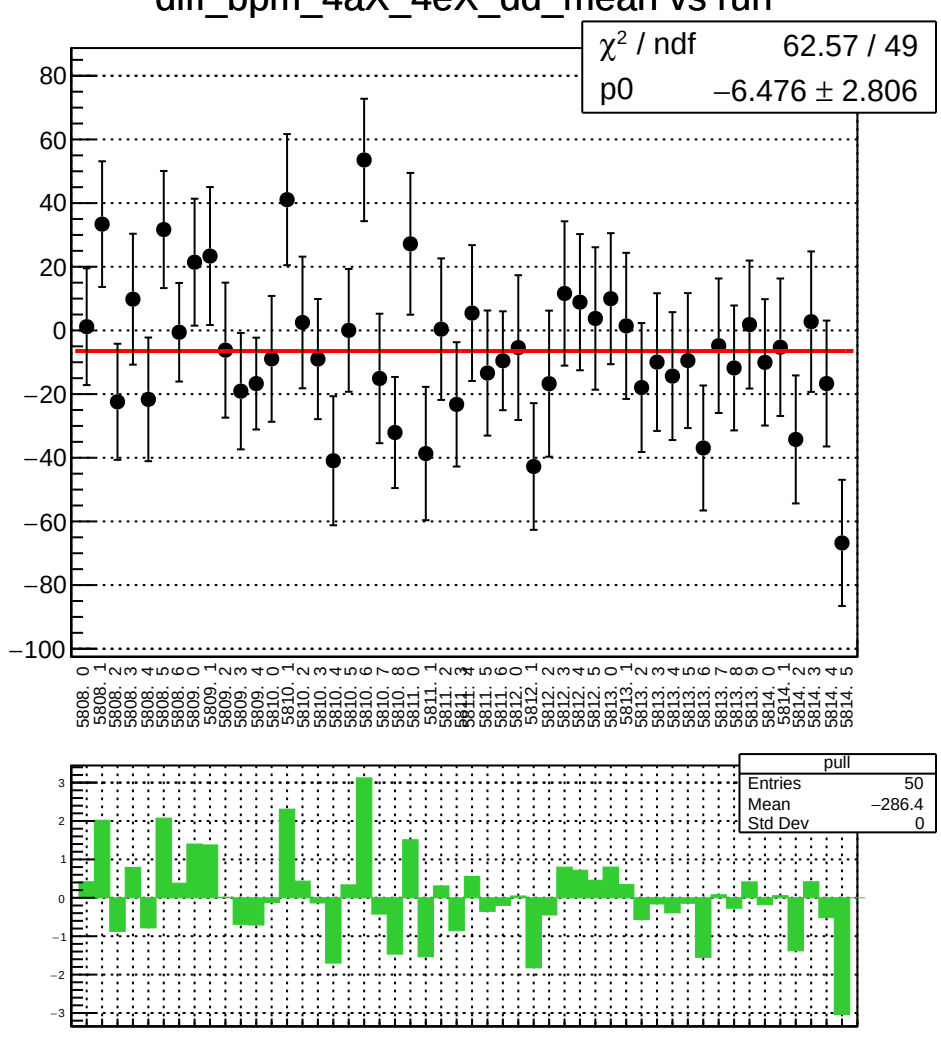

diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 26.11 / 49
p0 −1.204 ± 0.6525
pull
Entries 50
Mean 150.2
Std Dev 0

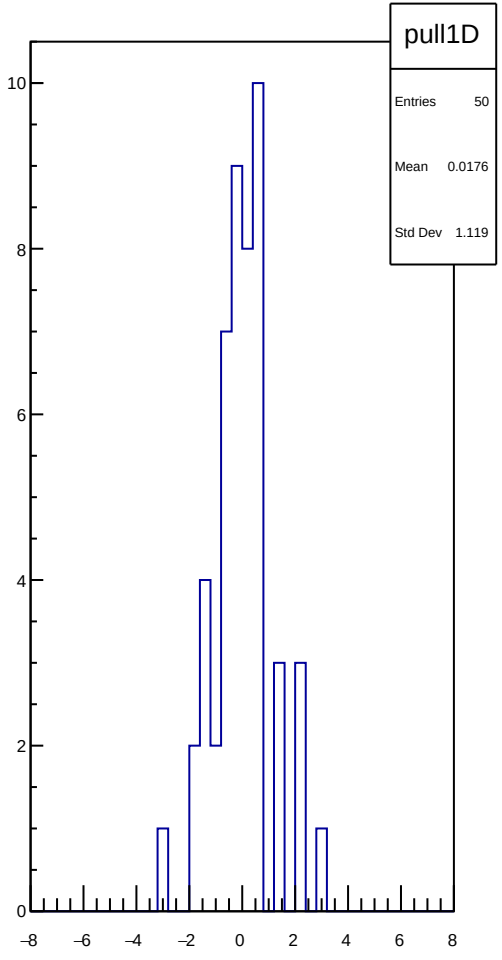

pull1D
Entries 50
Mean 0.01006
Std Dev 0.7225

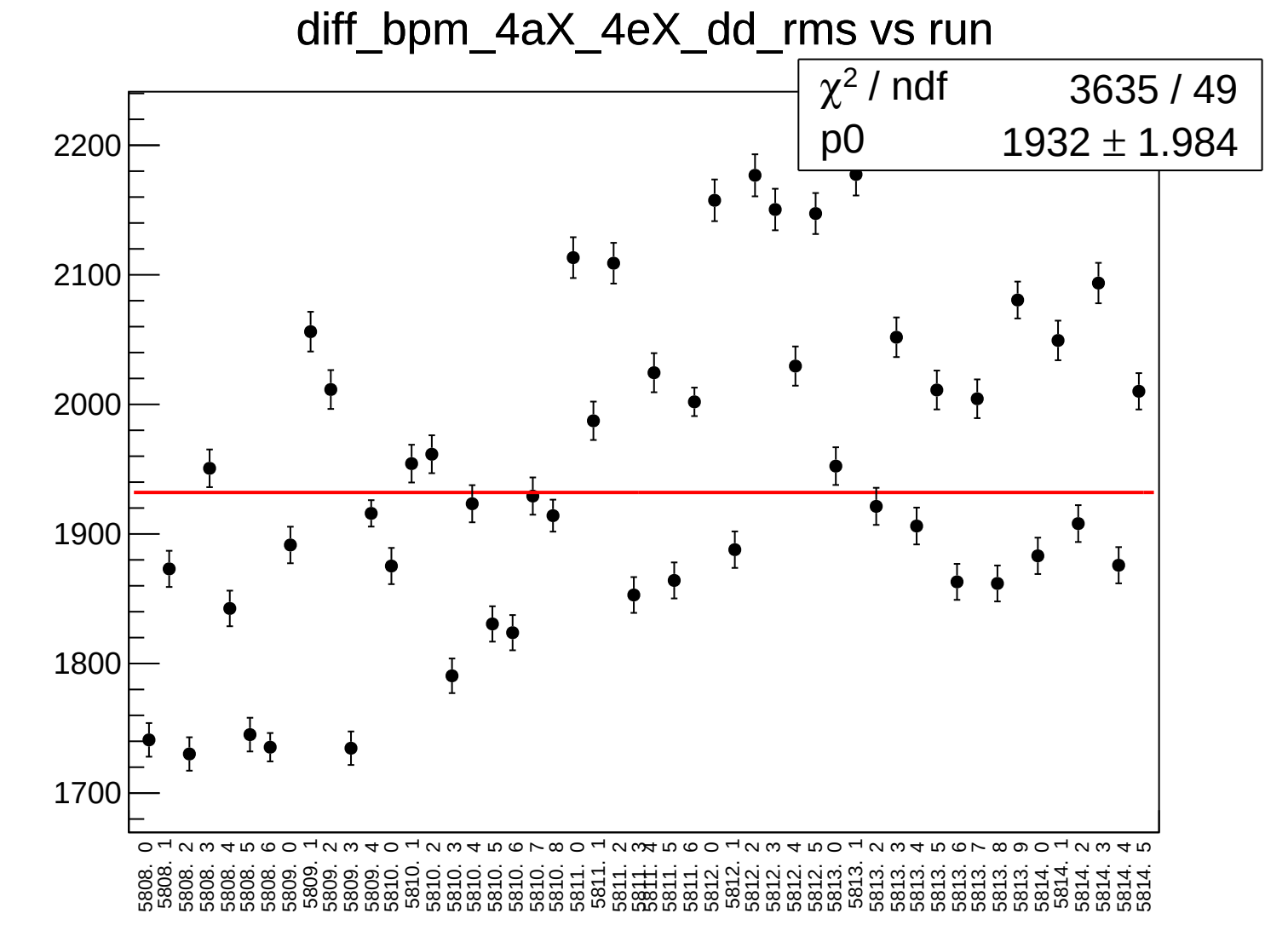

diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 236.4 / 49
p0 450.1 ± 0.4614
480
470
460
450
440
430
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 58.97 / 49
p0 −43.88 ± 19.93
400
200
0
−200
−400
−600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −270.2
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01485
Std Dev 1.086
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 4361 / 49
p0 1.372e+04 ± 14.09
16000
15500
15000
14500
14000
13500
13000
12500
12000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 62.57 / 49
p0 −6.476 ± 2.806
pull
Entries 50
Mean −286.4
Std Dev 0


pull1D
Entries 50
Mean 0.0176
Std Dev 1.119


diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 3635 / 49
p0 1932 ± 1.984
2200
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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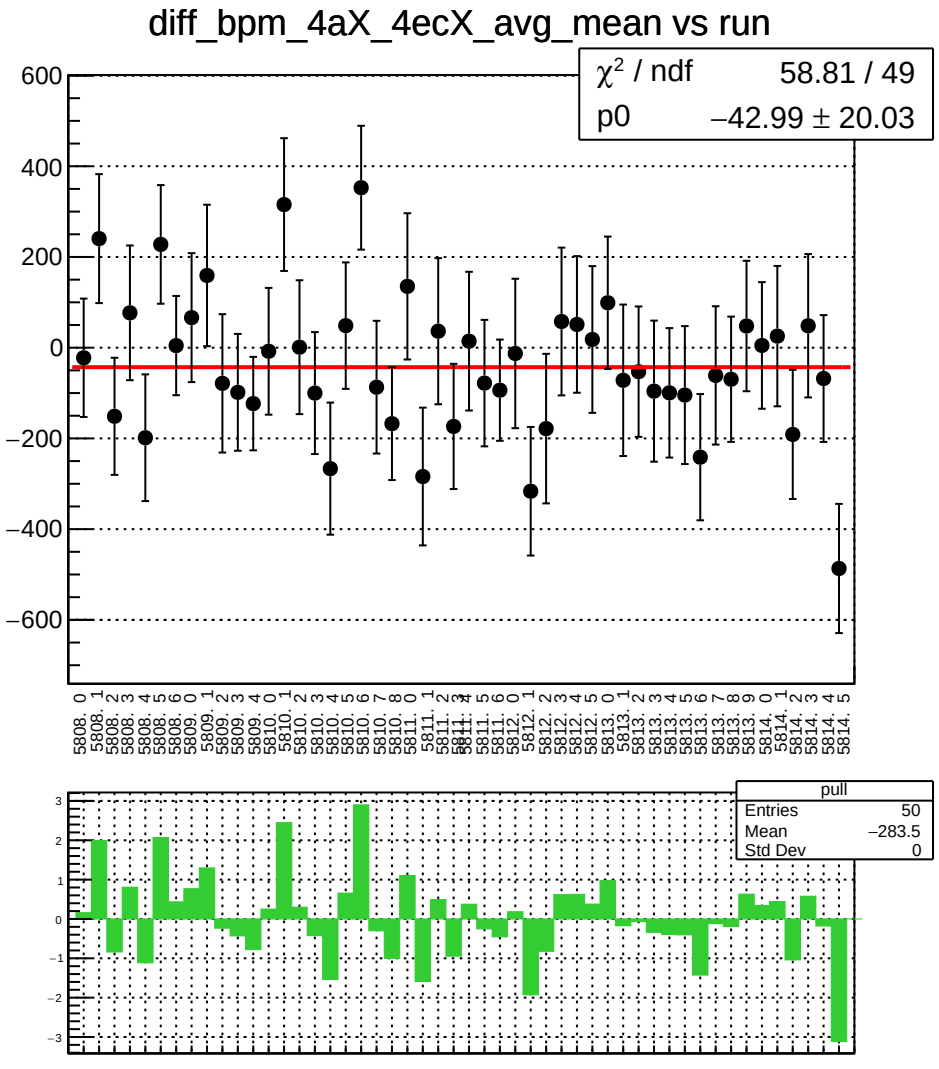
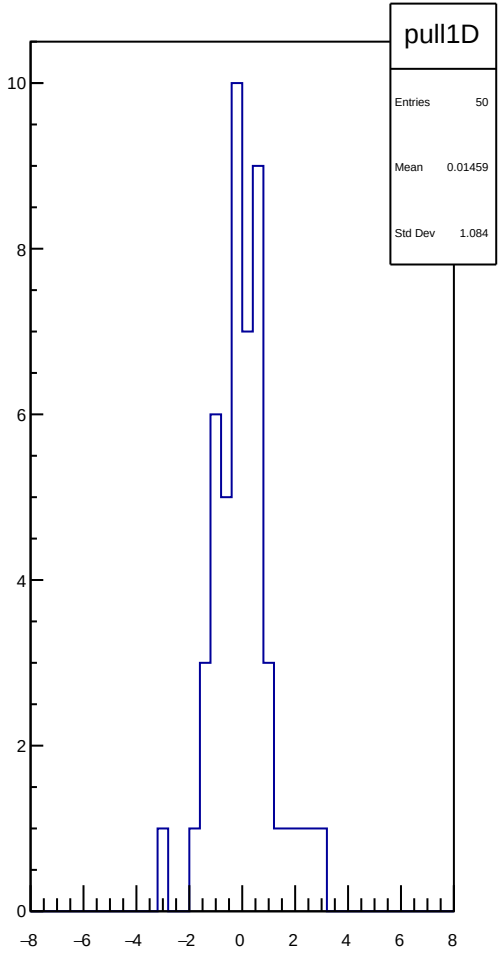
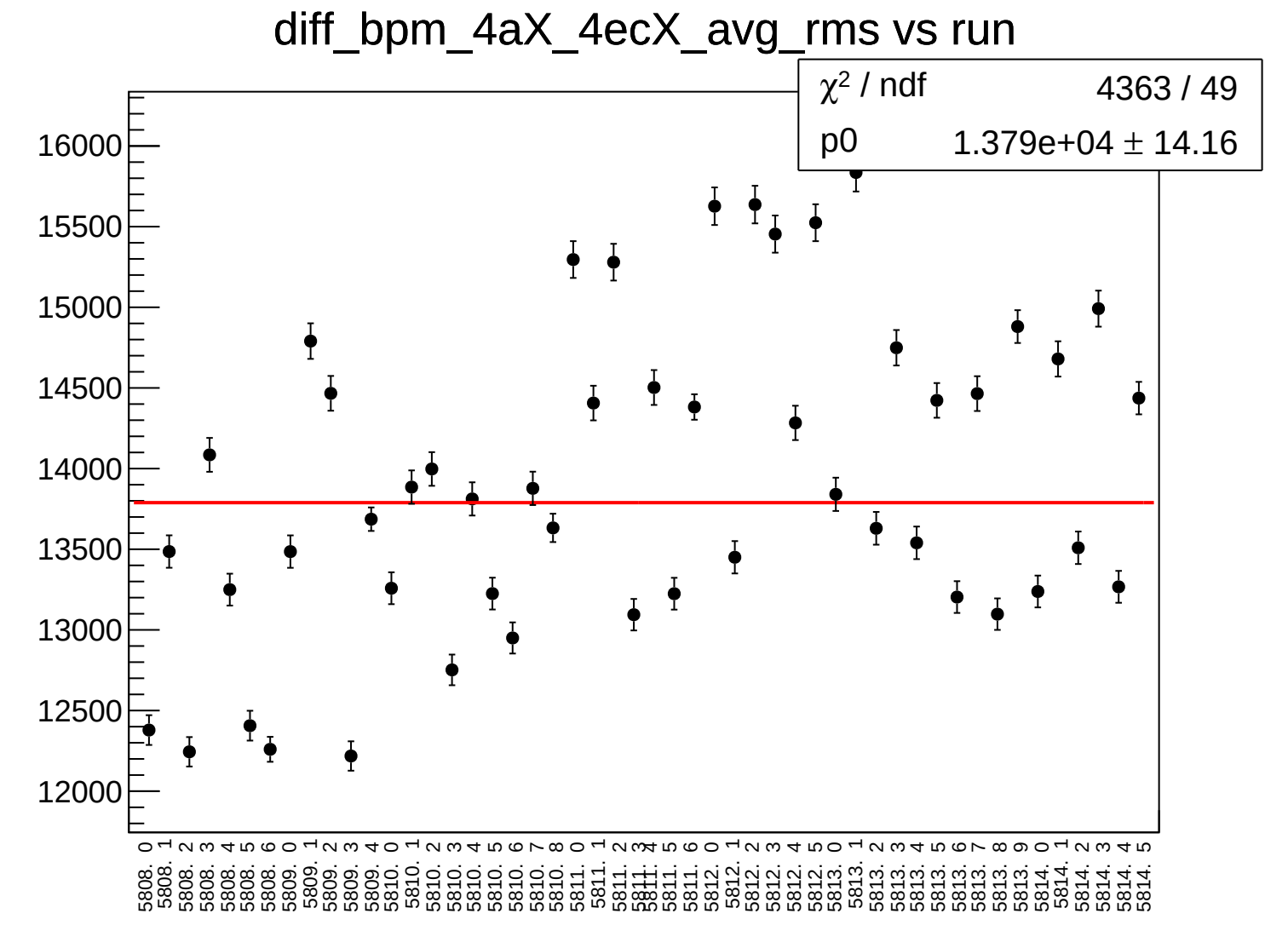
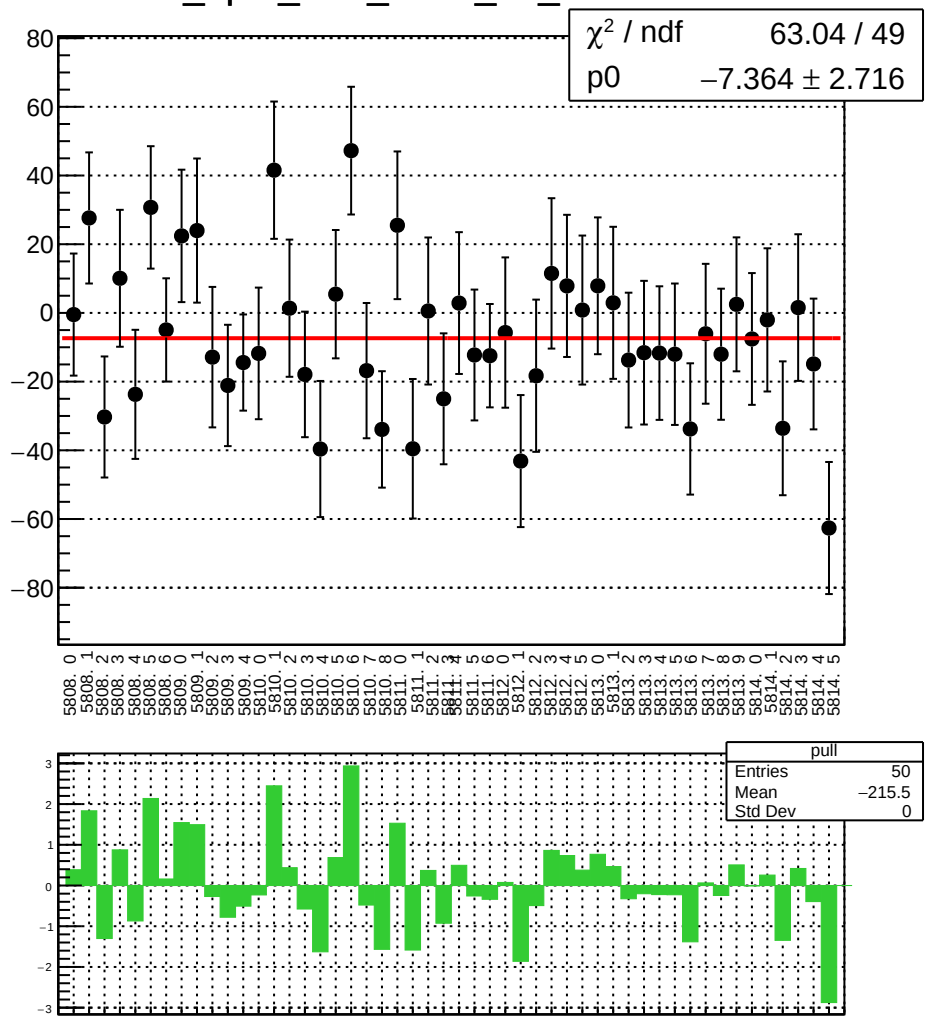
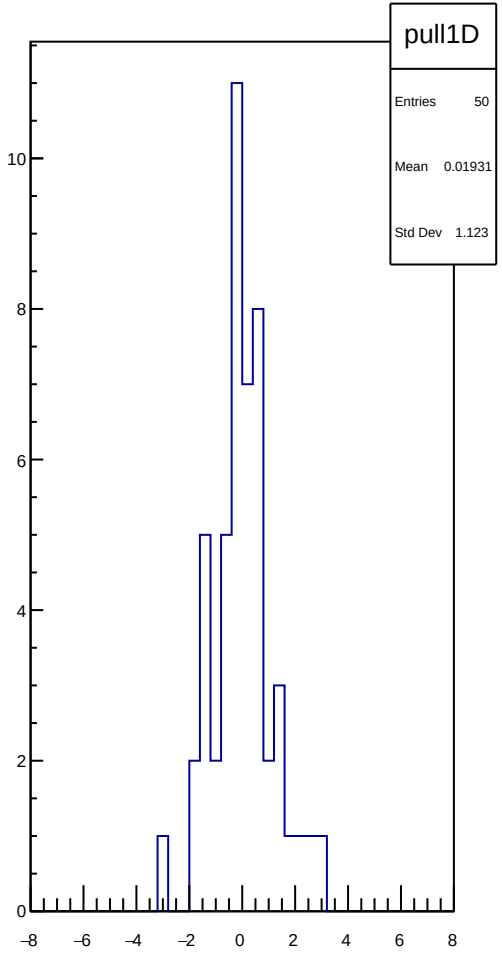
5814. 4
5814. 5

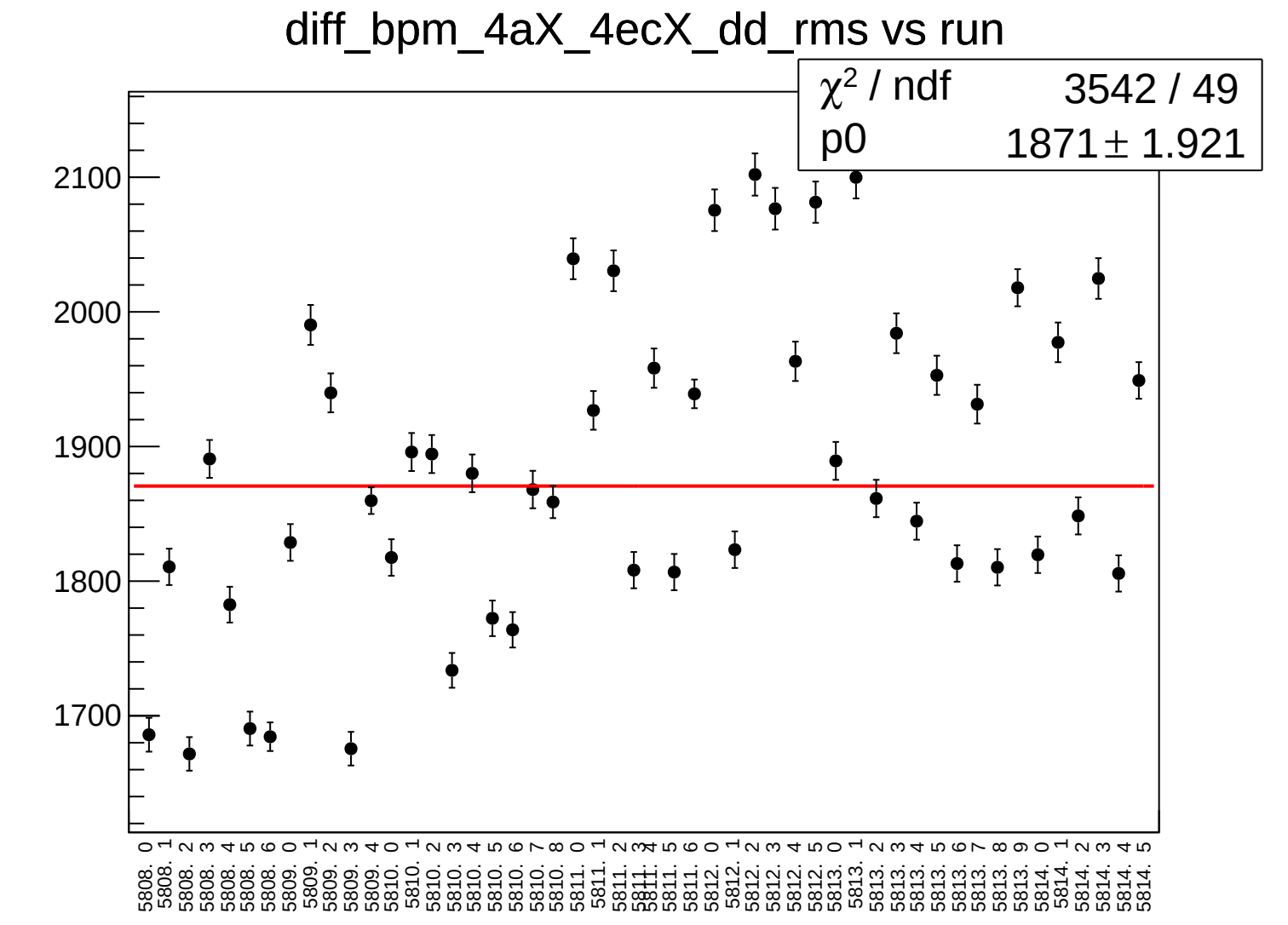

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 58.81 / 49
p0 −42.99 ± 20.03
pull
Entries 50
Mean −283.5
Std Dev 0

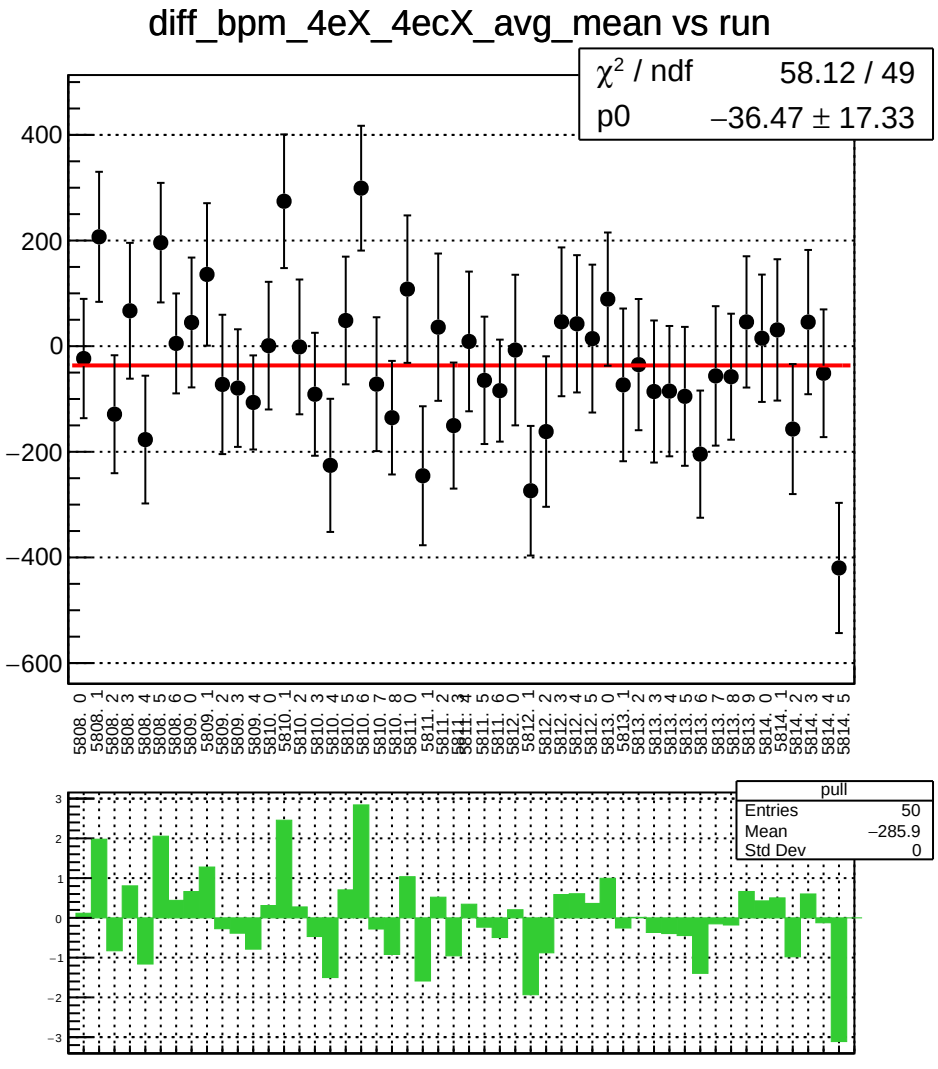

pull1D
Entries 50
Mean 0.01459
Std Dev 1.084

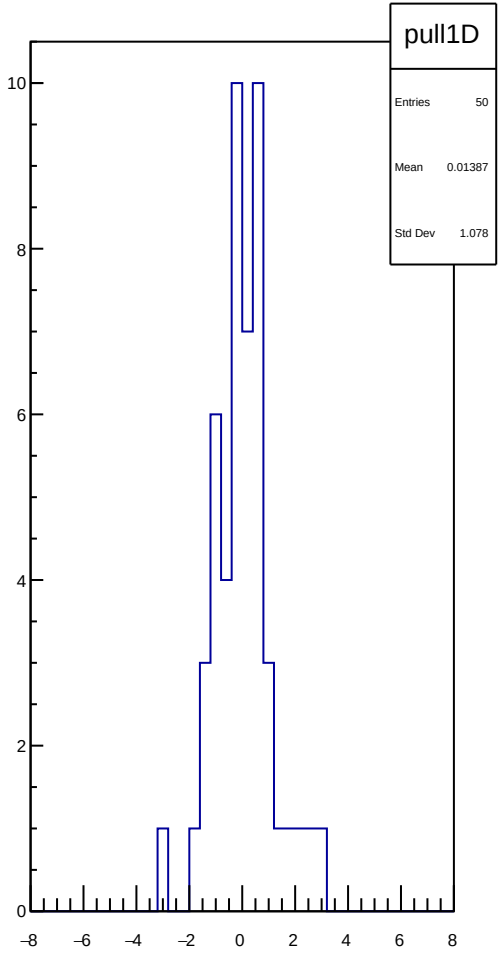

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 4363 / 49
p0 1.379e+04 ± 14.16
16000
15500
15000
14500
14000
13500
13000
12500
12000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

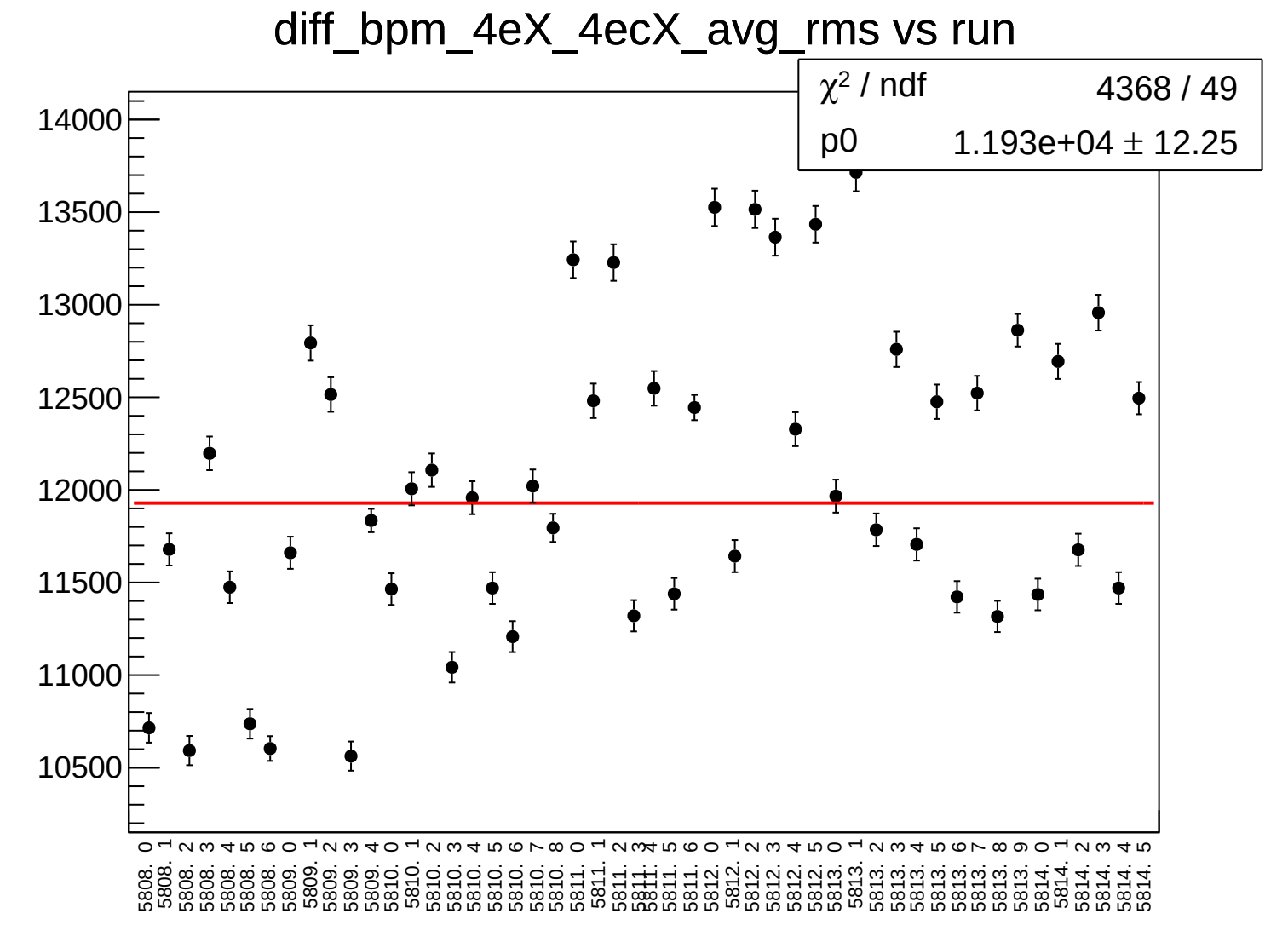

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 63.04 / 49
p0 −7.364 ± 2.716
pull
Entries 50
Mean −215.5
Std Dev 0

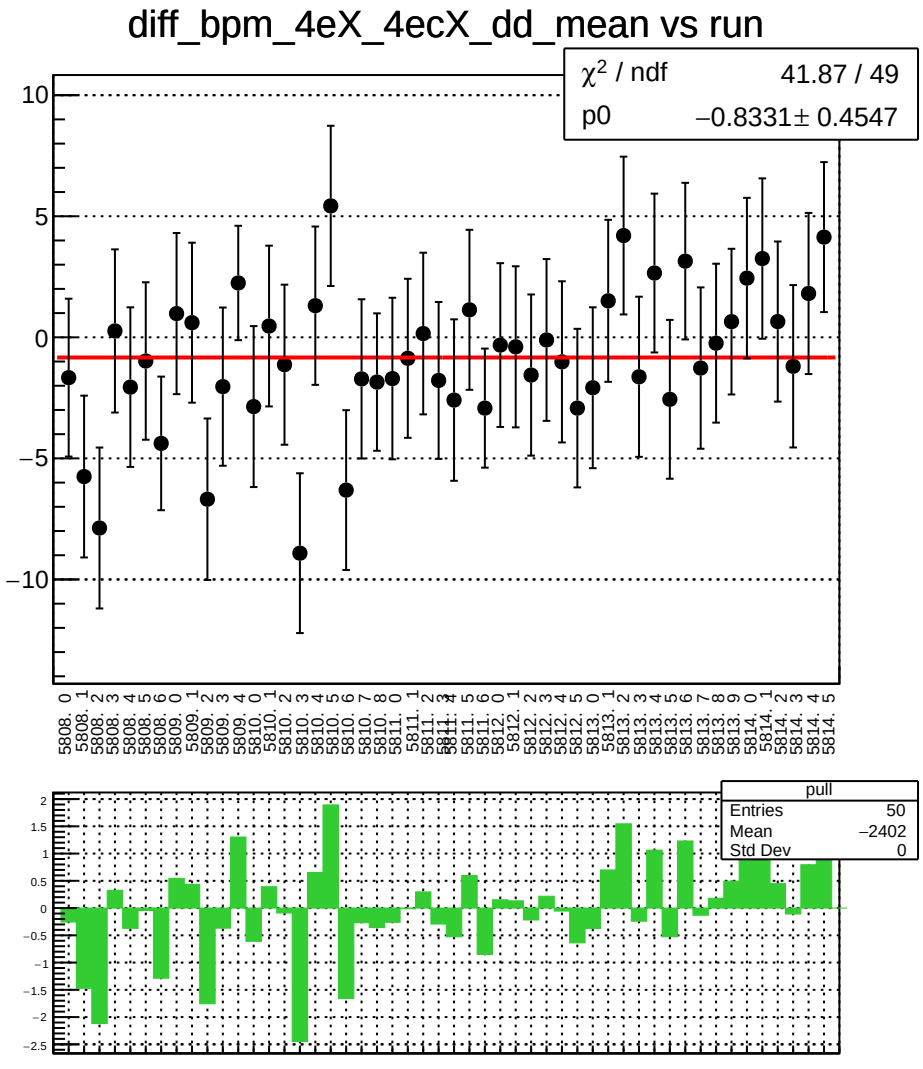

pull1D
Entries 50
Mean 0.01931
Std Dev 1.123

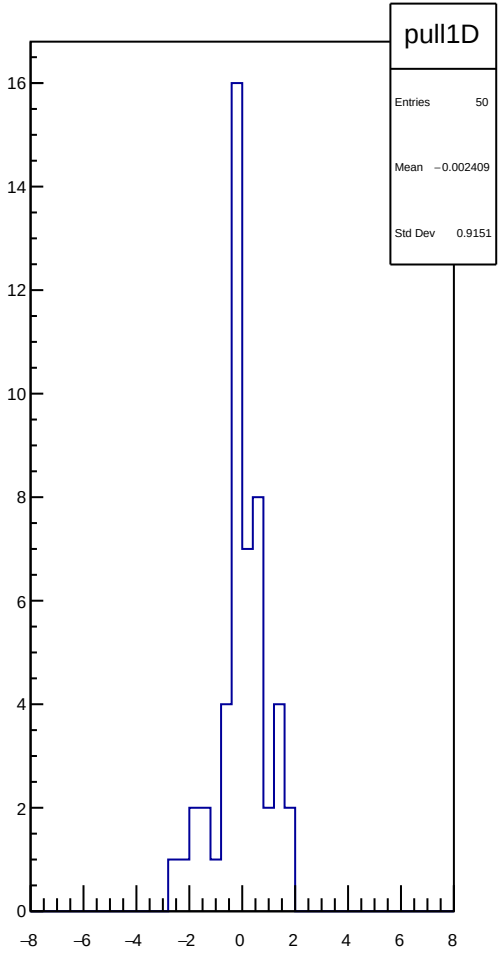

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 3542 / 49
p0 1871 ± 1.921
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

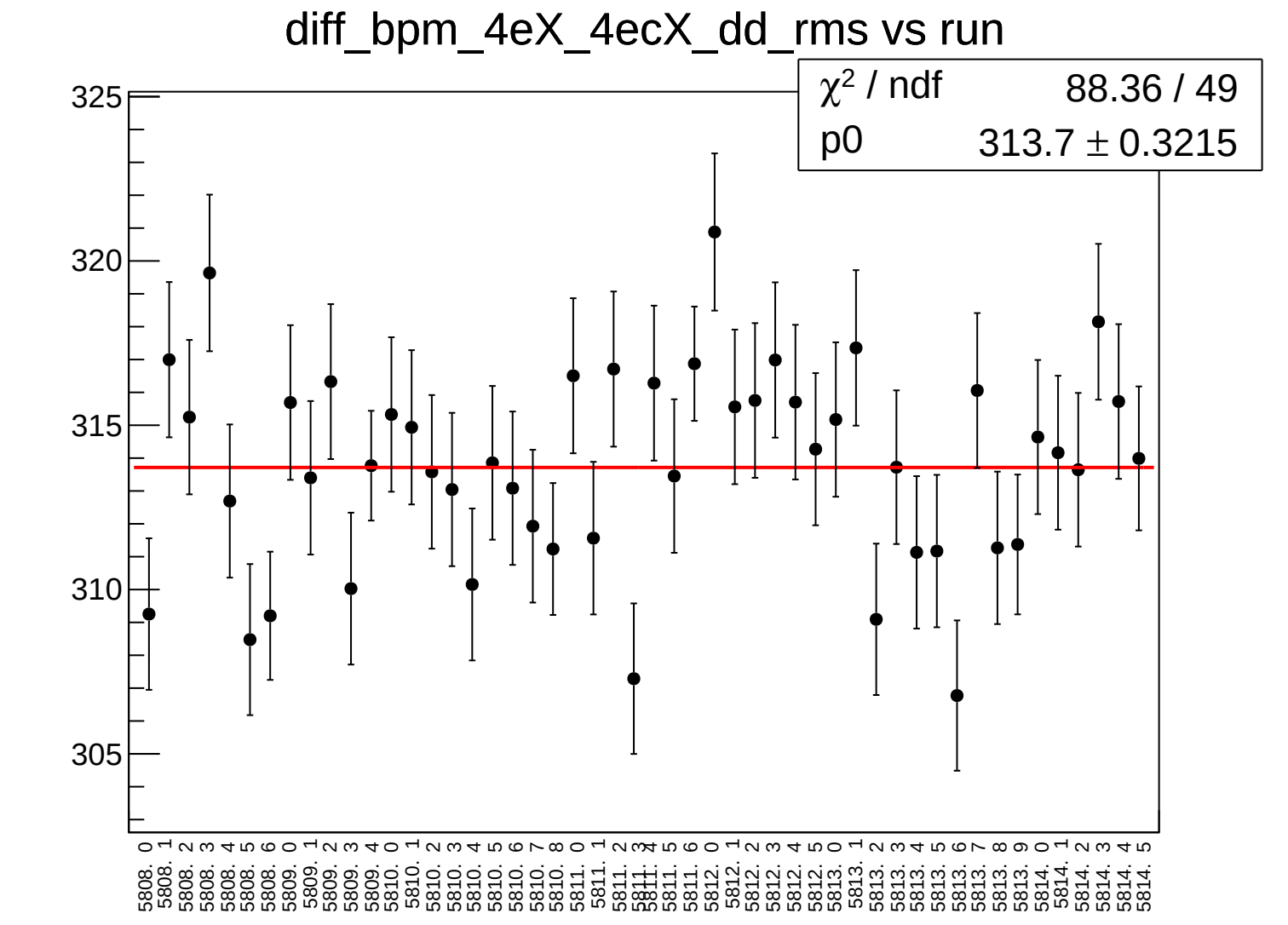

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 58.12 / 49
p0 −36.47 ± 17.33
pull
Entries 50
Mean −285.9
Std Dev 0

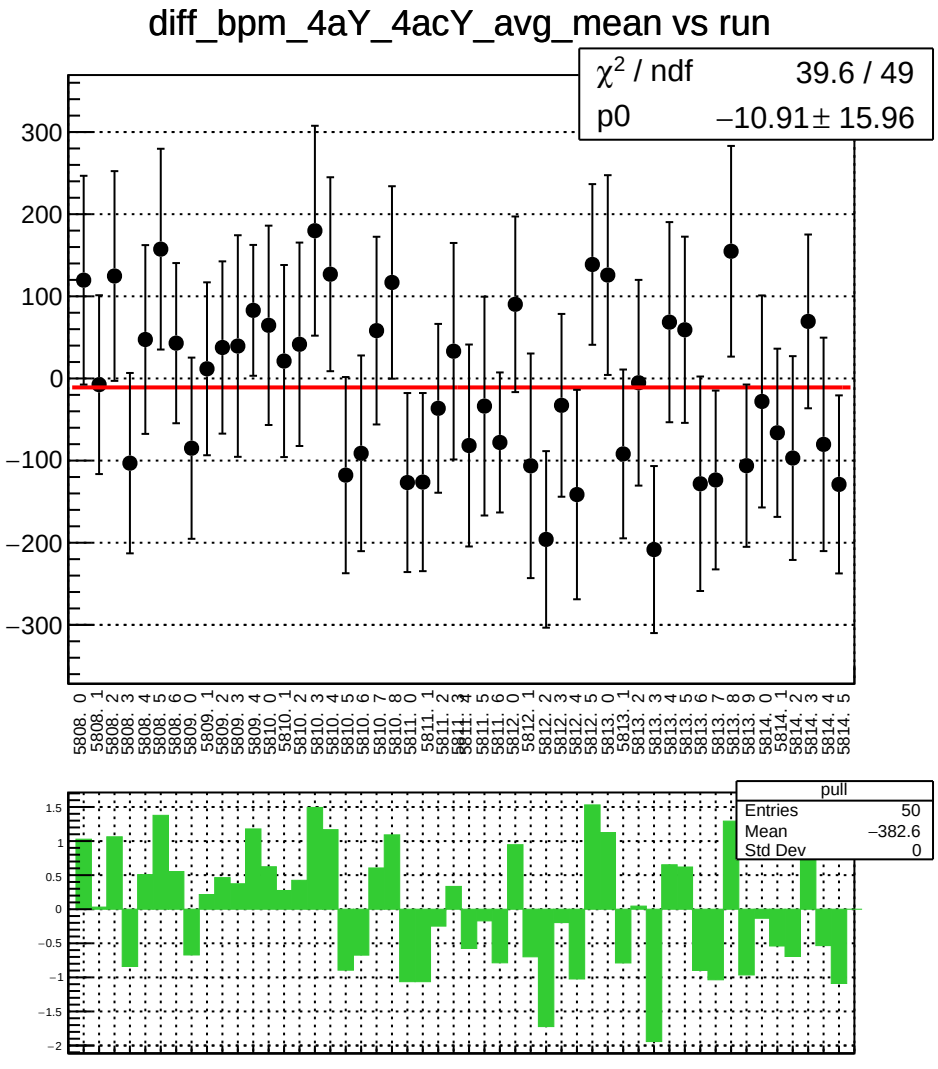

pull1D
Entries 50
Mean 0.01387
Std Dev 1.078

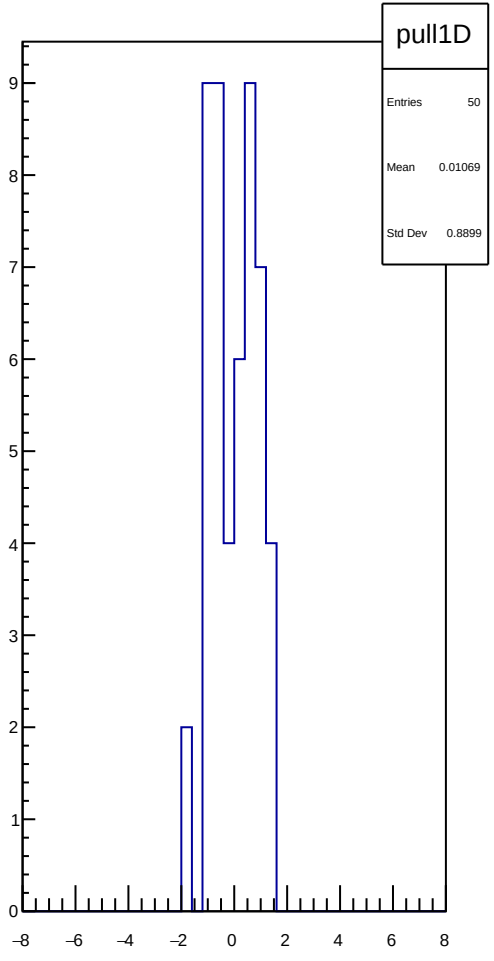

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4368 / 49
p0 1.193e+04 ± 12.25
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

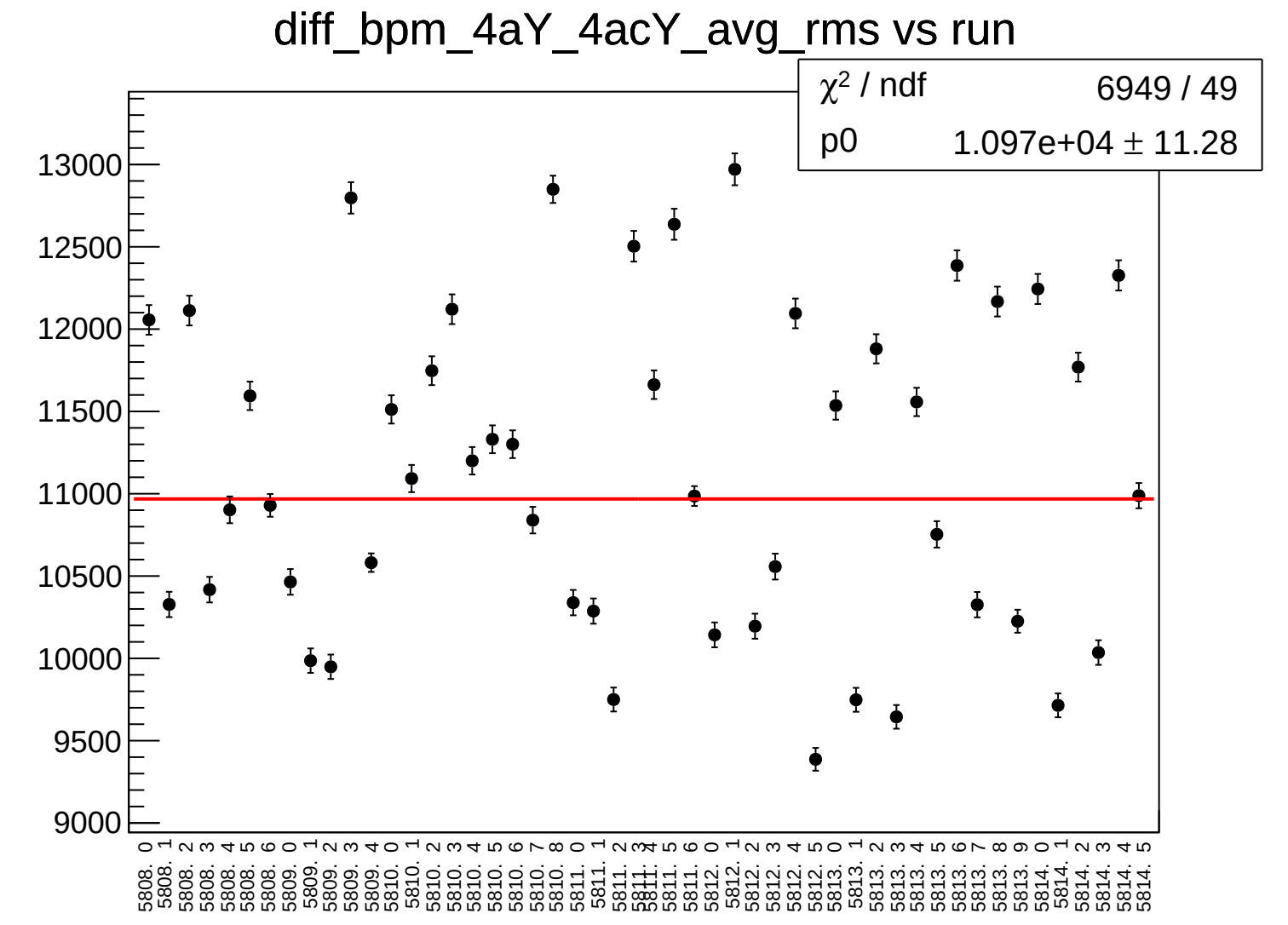

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 41.87 / 49
p0 −0.8331± 0.4547
pull
Entries 50
Mean −2402
Std Dev 0

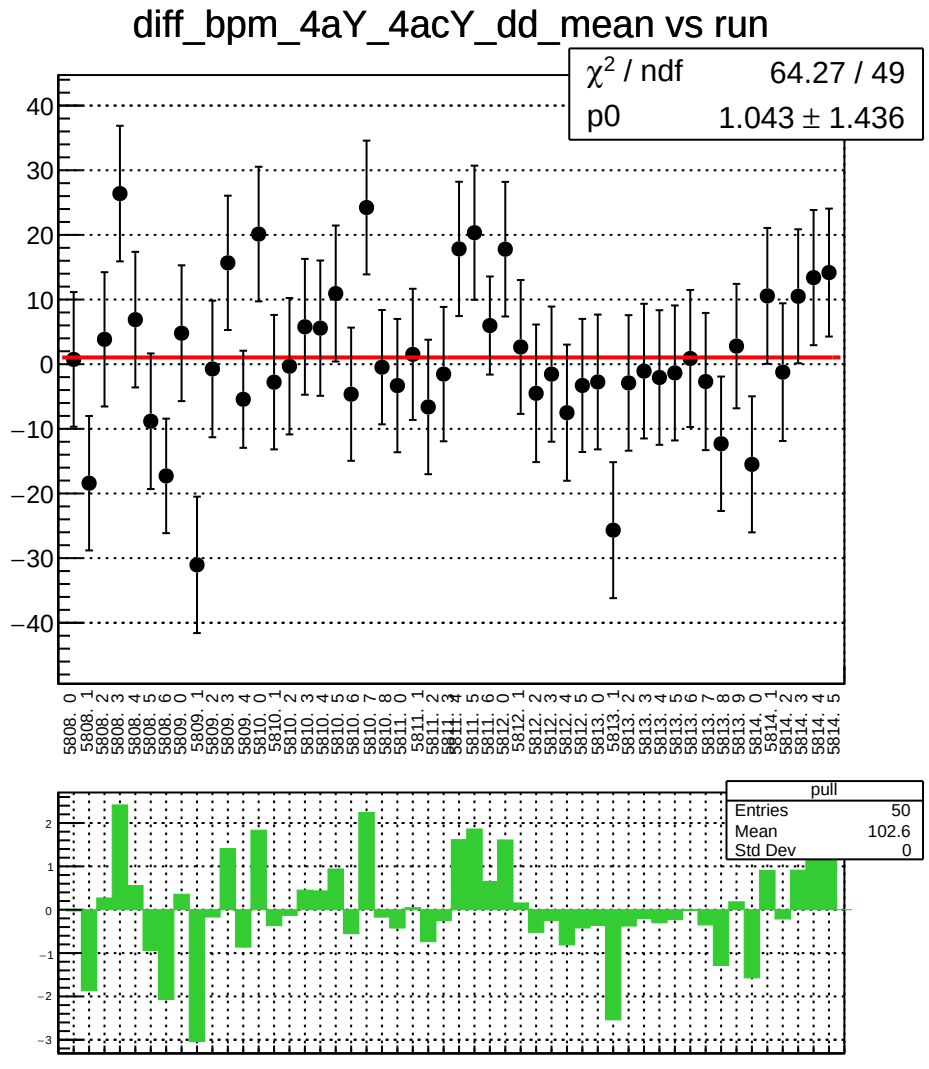

pull1D
Entries 50
Mean −0.002409
Std Dev 0.9151

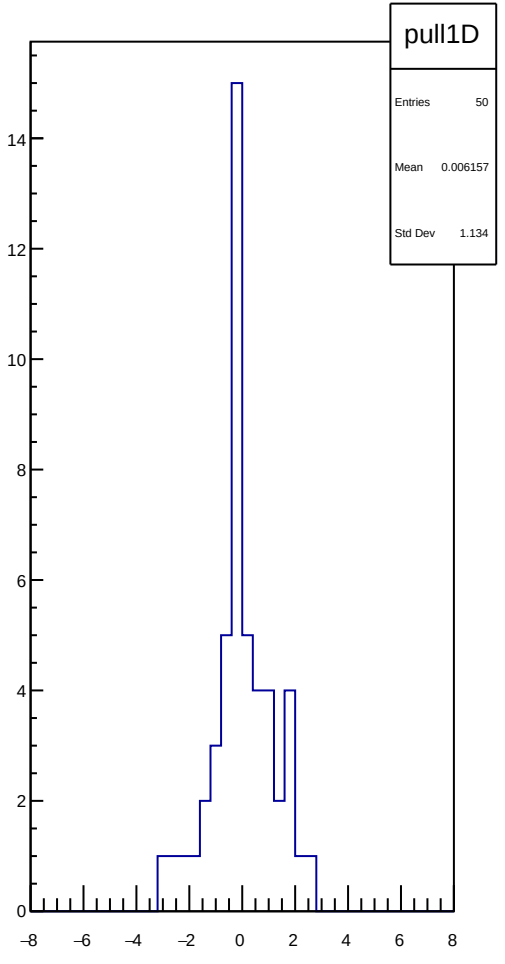

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 88.36 / 49
p0 313.7 ± 0.3215
325
320
315
310
305
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

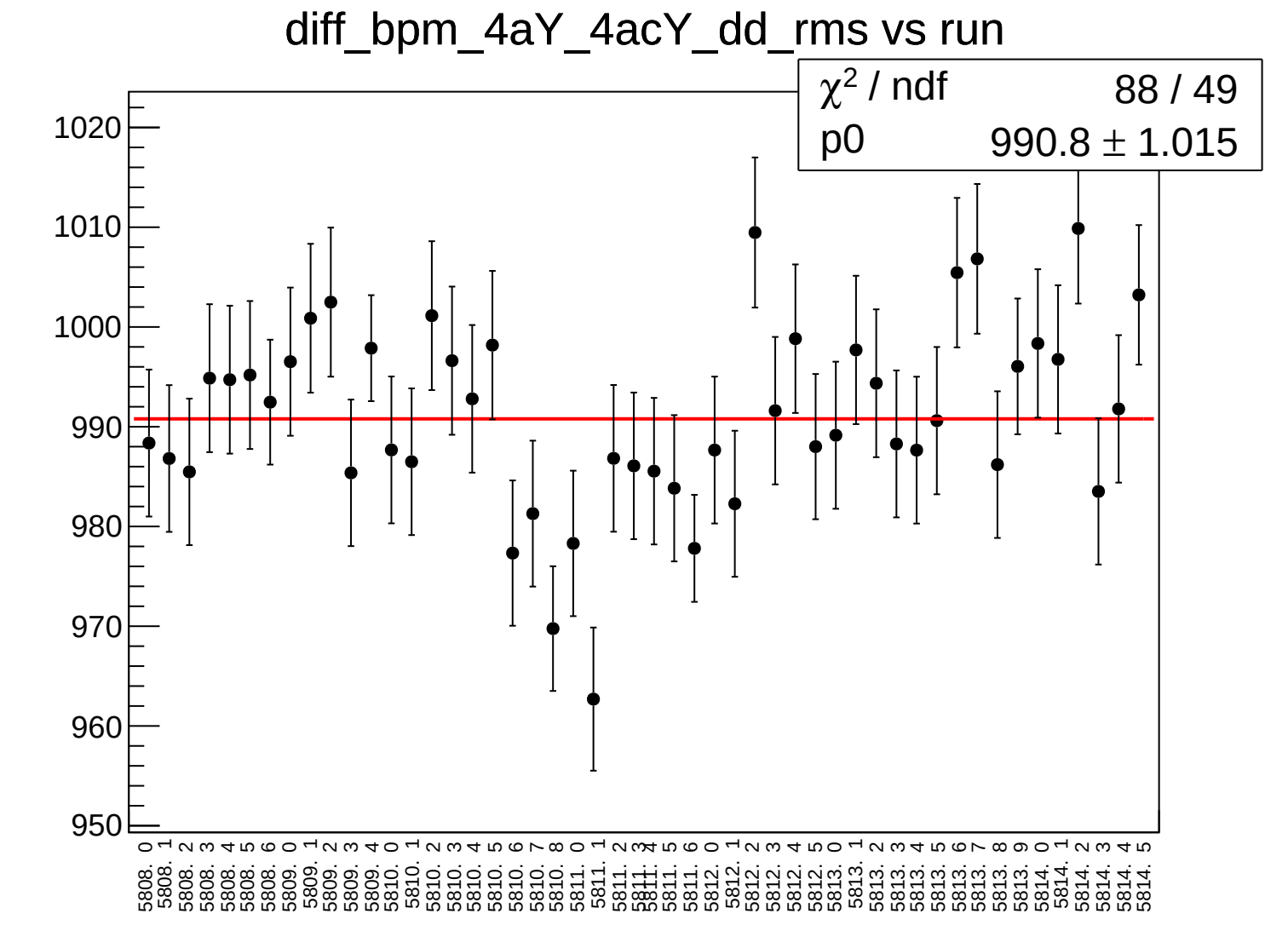

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 39.6 / 49
p0 −10.91± 15.96
pull
Entries 50
Mean −382.6
Std Dev 0

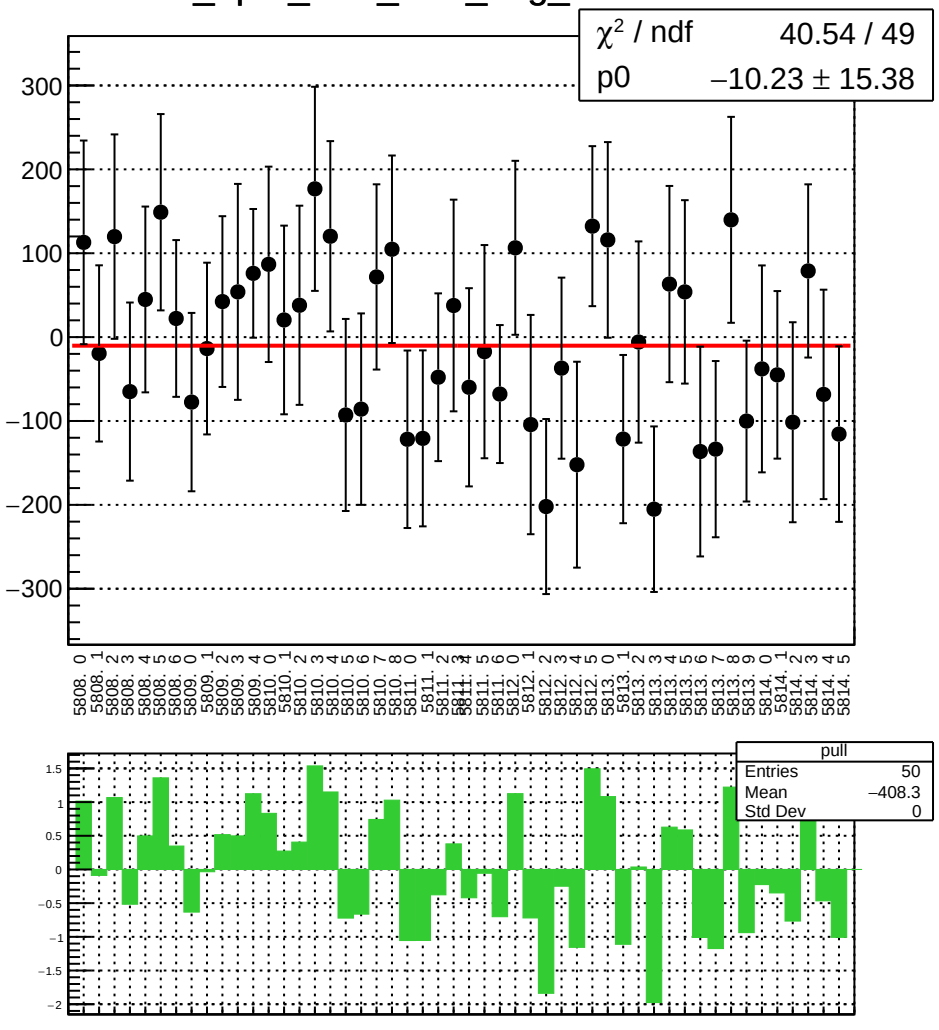

pull1D
Entries 50
Mean 0.01069
Std Dev 0.8899

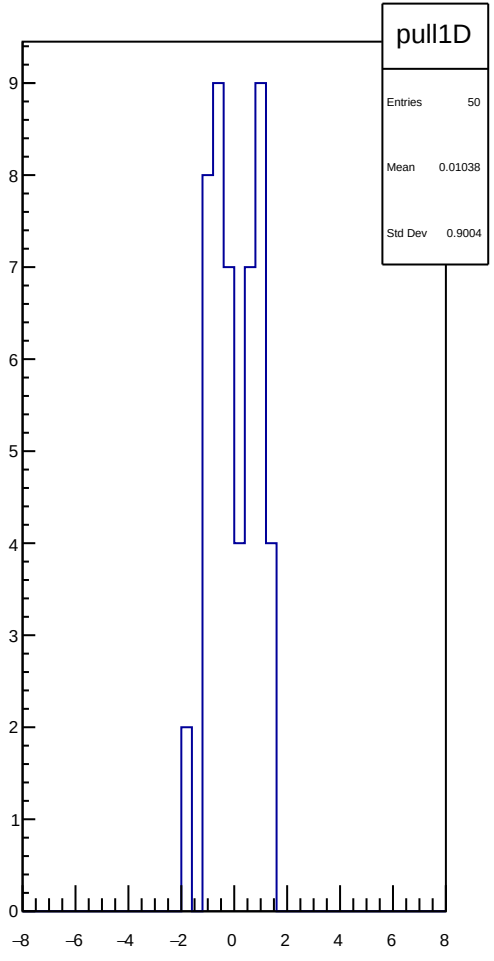

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 6949 / 49
p0 1.097e+04 ± 11.28
13000
12500
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

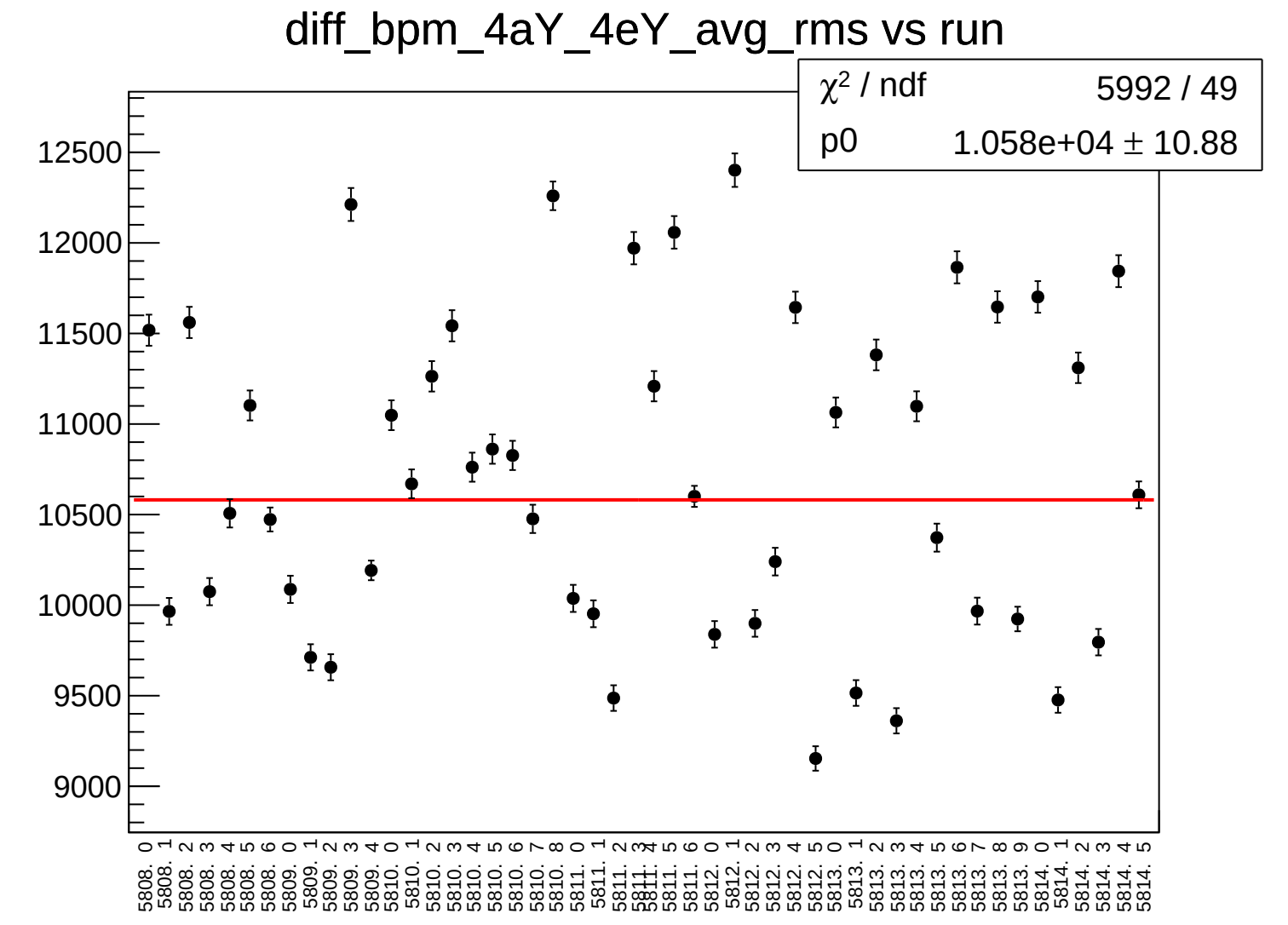

diff_bpm_4aY_4acY_dd_mean vs run
χ^2 / ndf 64.27 / 49
p0 1.043 ± 1.436
pull
Entries 50
Mean 102.6
Std Dev 0

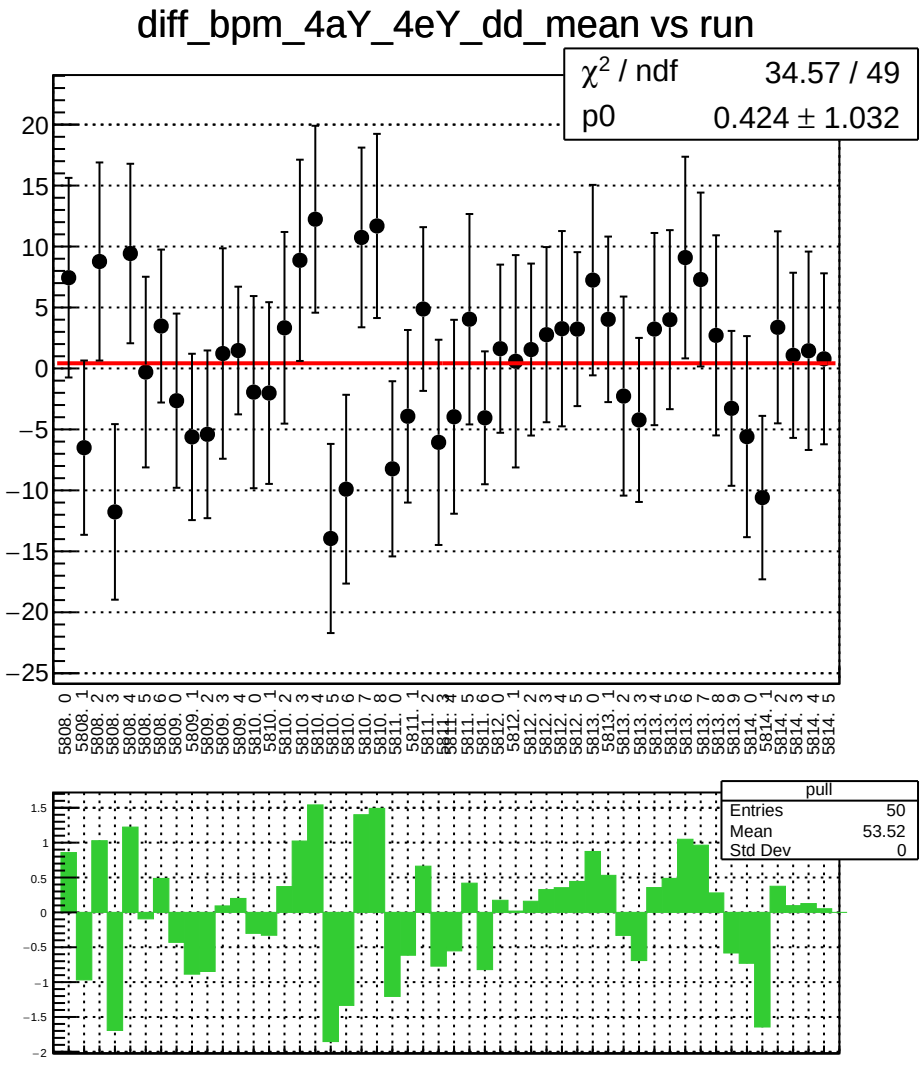

pull1D
Entries 50
Mean 0.006157
Std Dev 1.134

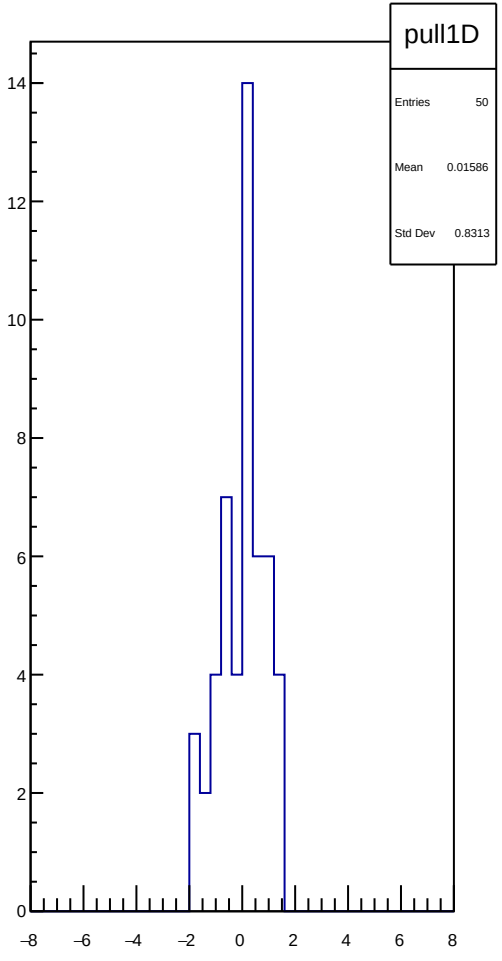

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 88 / 49
p0 990.8 ± 1.015
1020
1010
1000
990
980
970
960
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

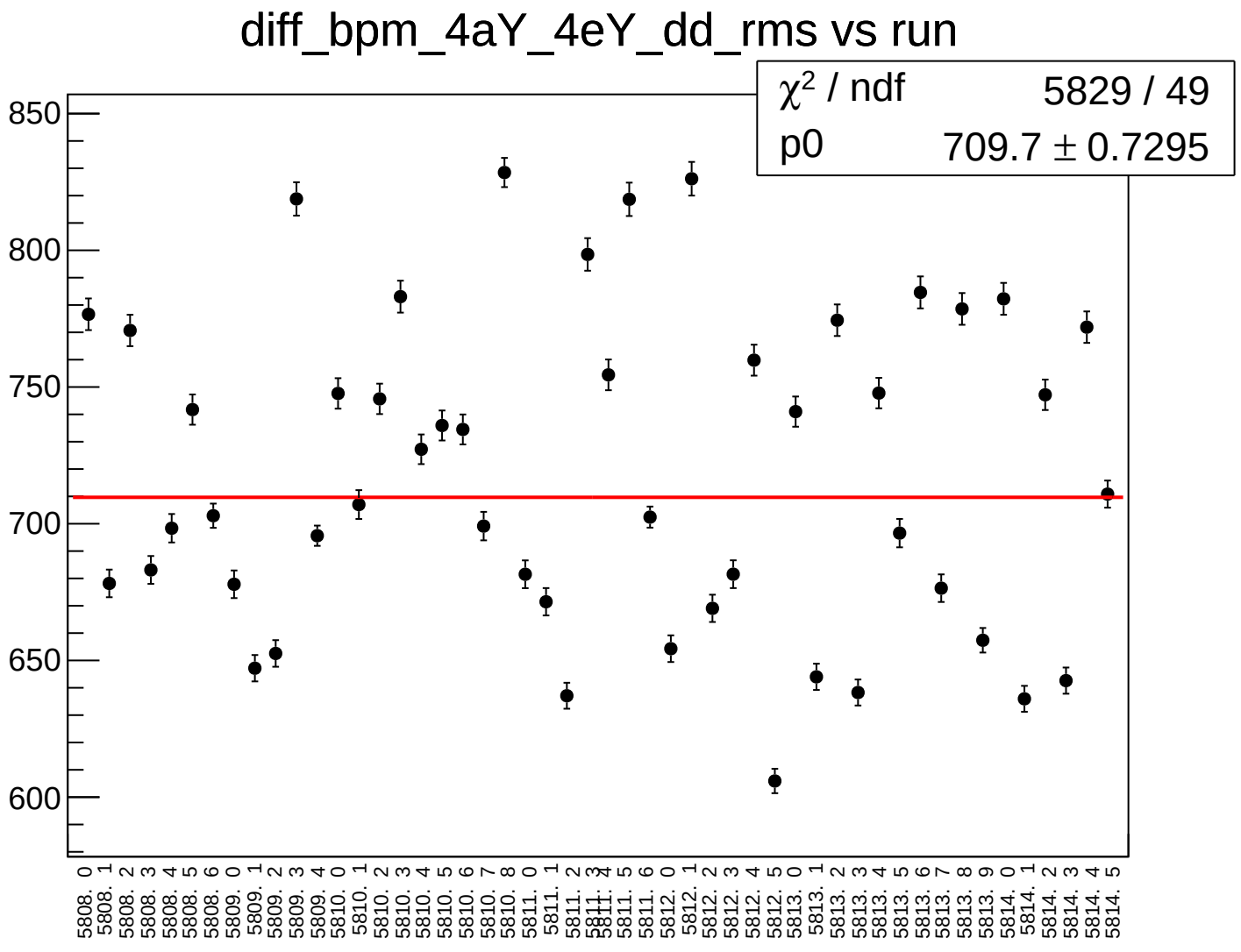

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 40.54 / 49
p0 −10.23 ± 15.38
pull
Entries 50
Mean −408.3
Std Dev 0

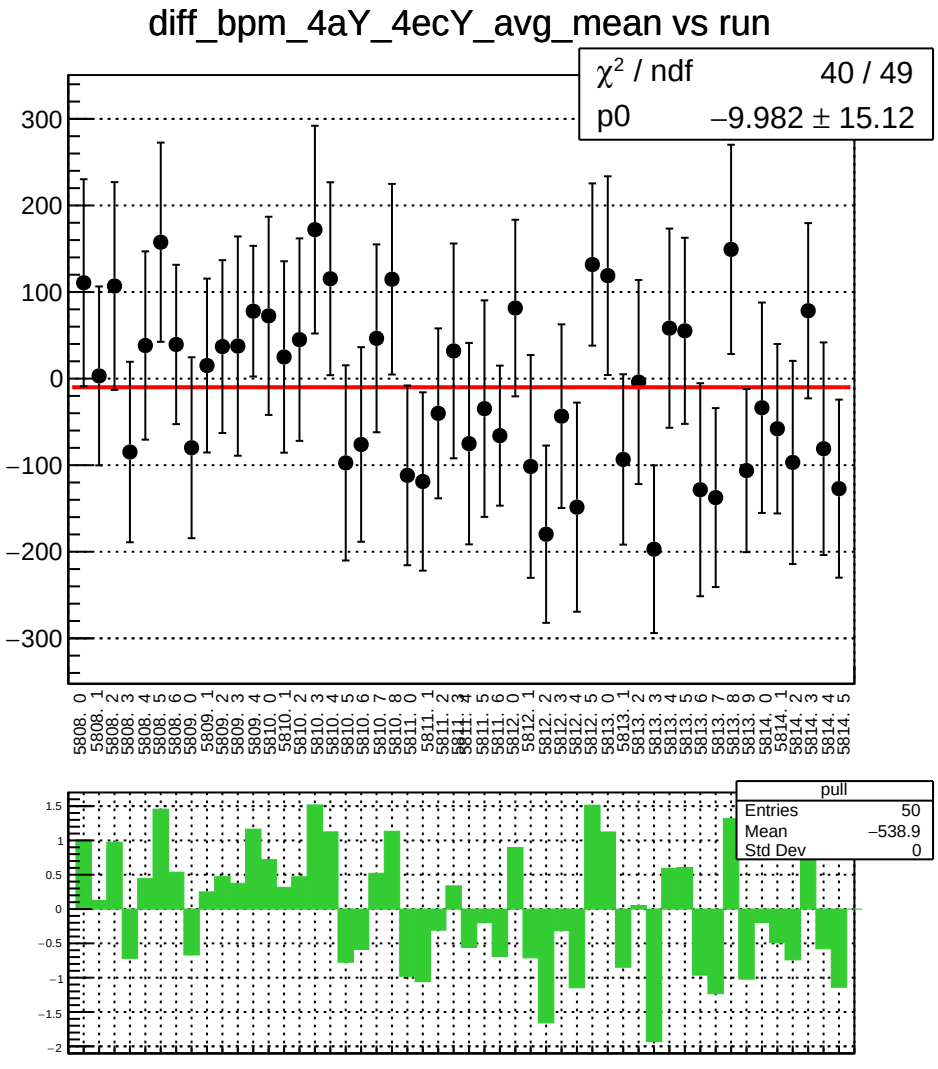

pull1D
Entries 50
Mean 0.01038
Std Dev 0.9004

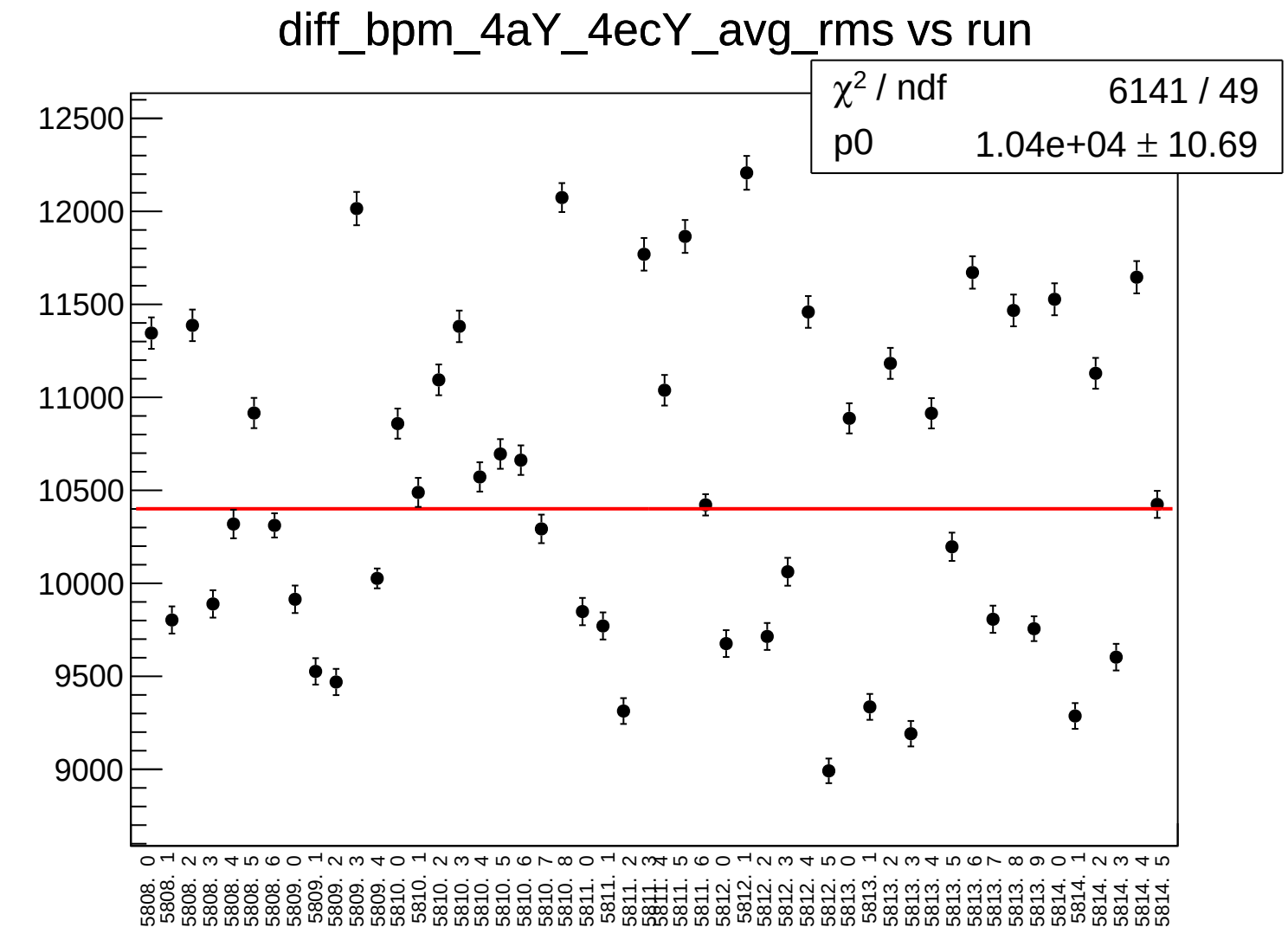

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 5992 / 49
p0 1.058e+04 ± 10.88
12500
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

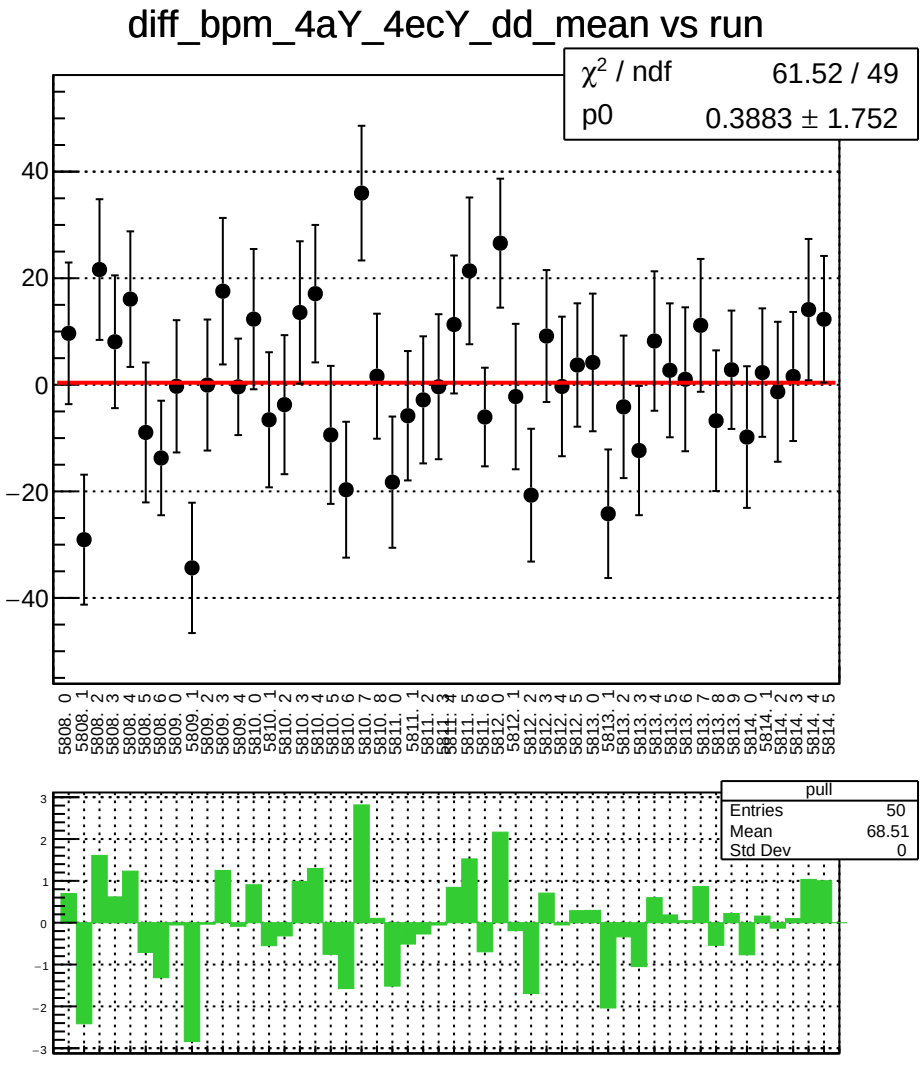

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 34.57 / 49
p0 0.424 ± 1.032
pull
Entries 50
Mean 53.52
Std Dev 0

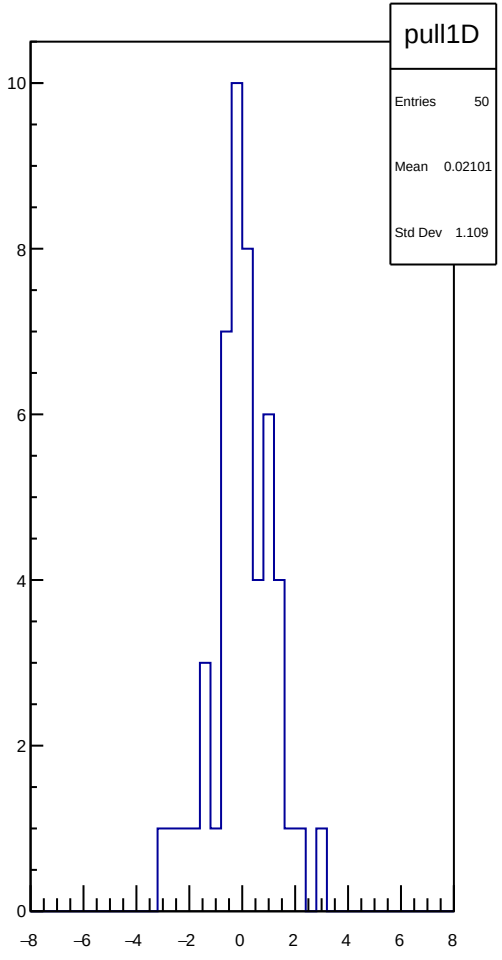

pull1D
Entries 50
Mean 0.01586
Std Dev 0.8313

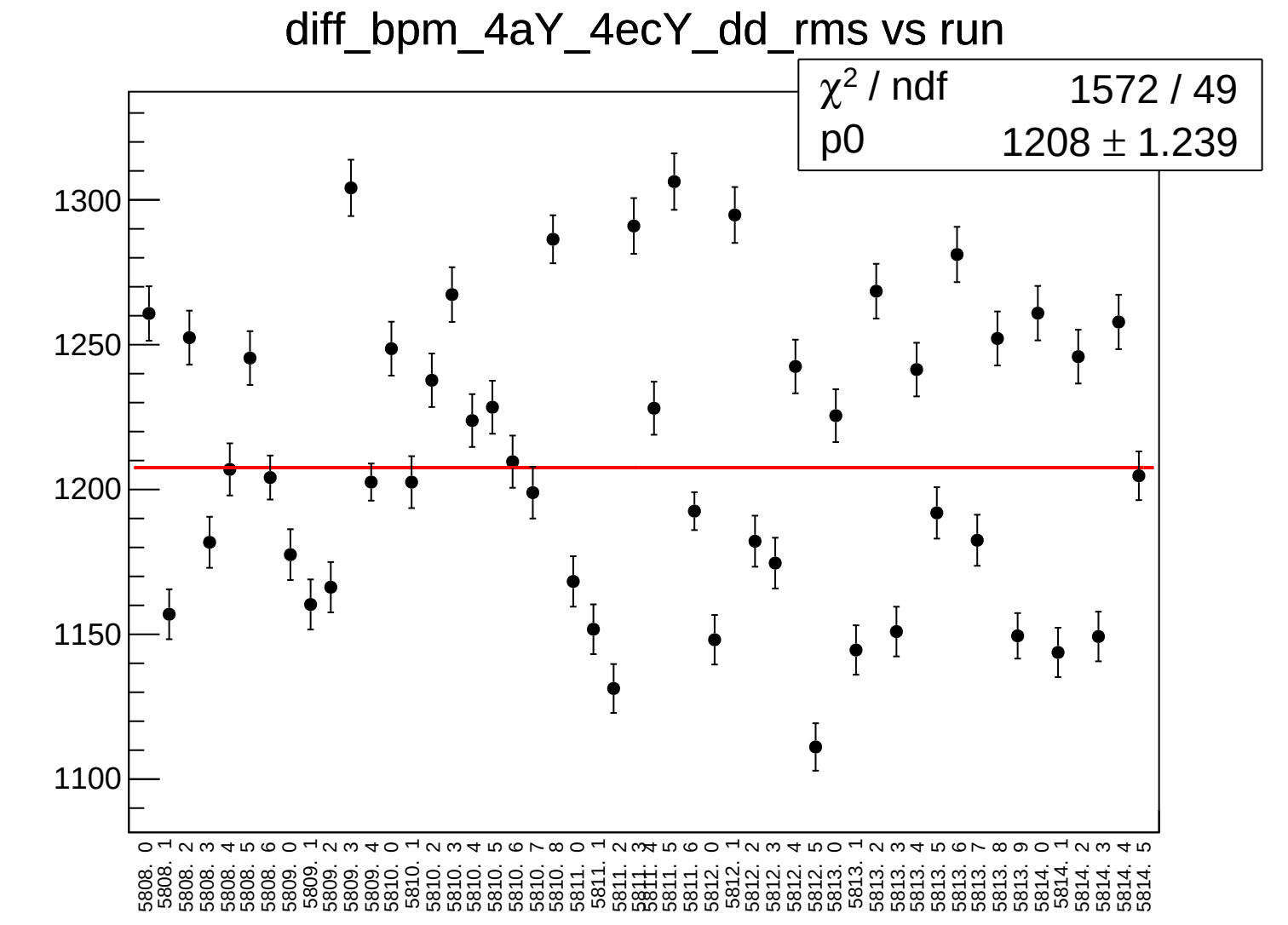

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 5829 / 49
p0 709.7 ± 0.7295
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

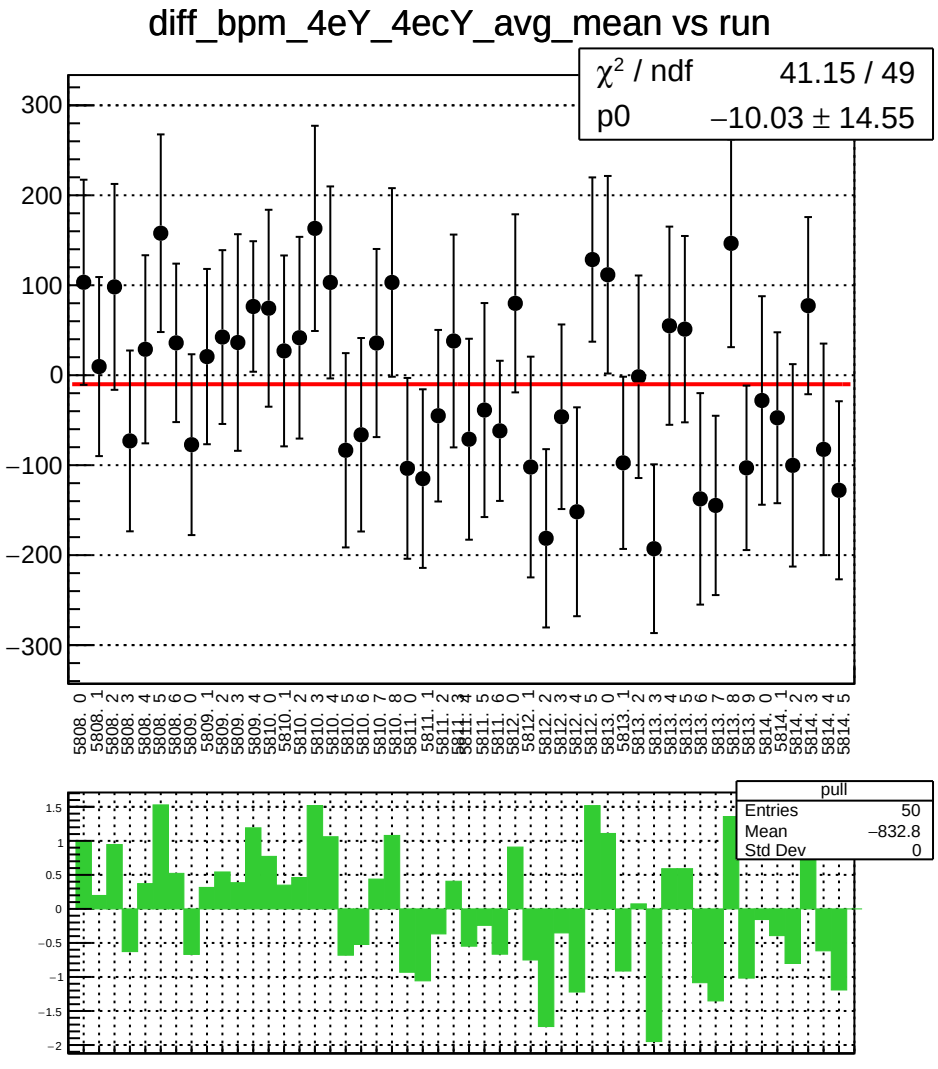

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 40 / 49
p0 −9.982 ± 15.12
pull
Entries 50
Mean −538.9
Std Dev 0
pull1D
Entries 50
Mean 0.008261
Std Dev 0.8944

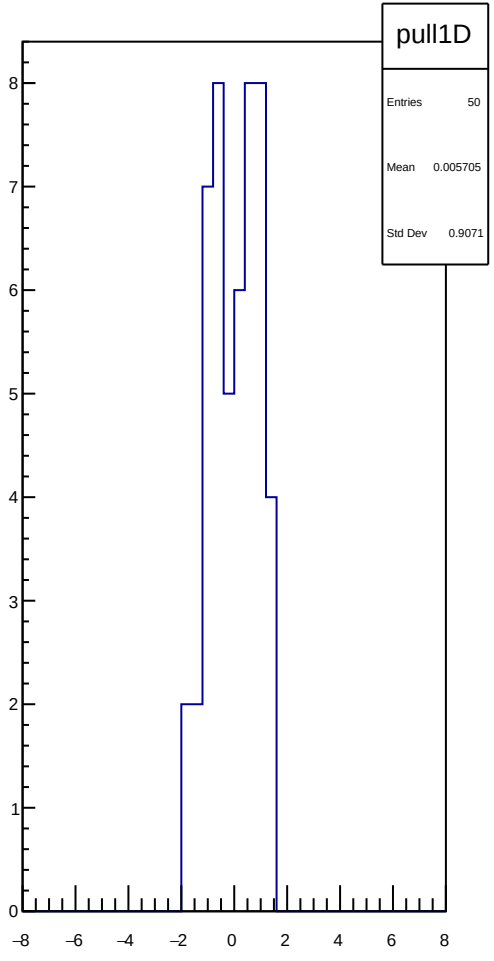

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 6141 / 49
p0 1.04e+04 ± 10.69
12500
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

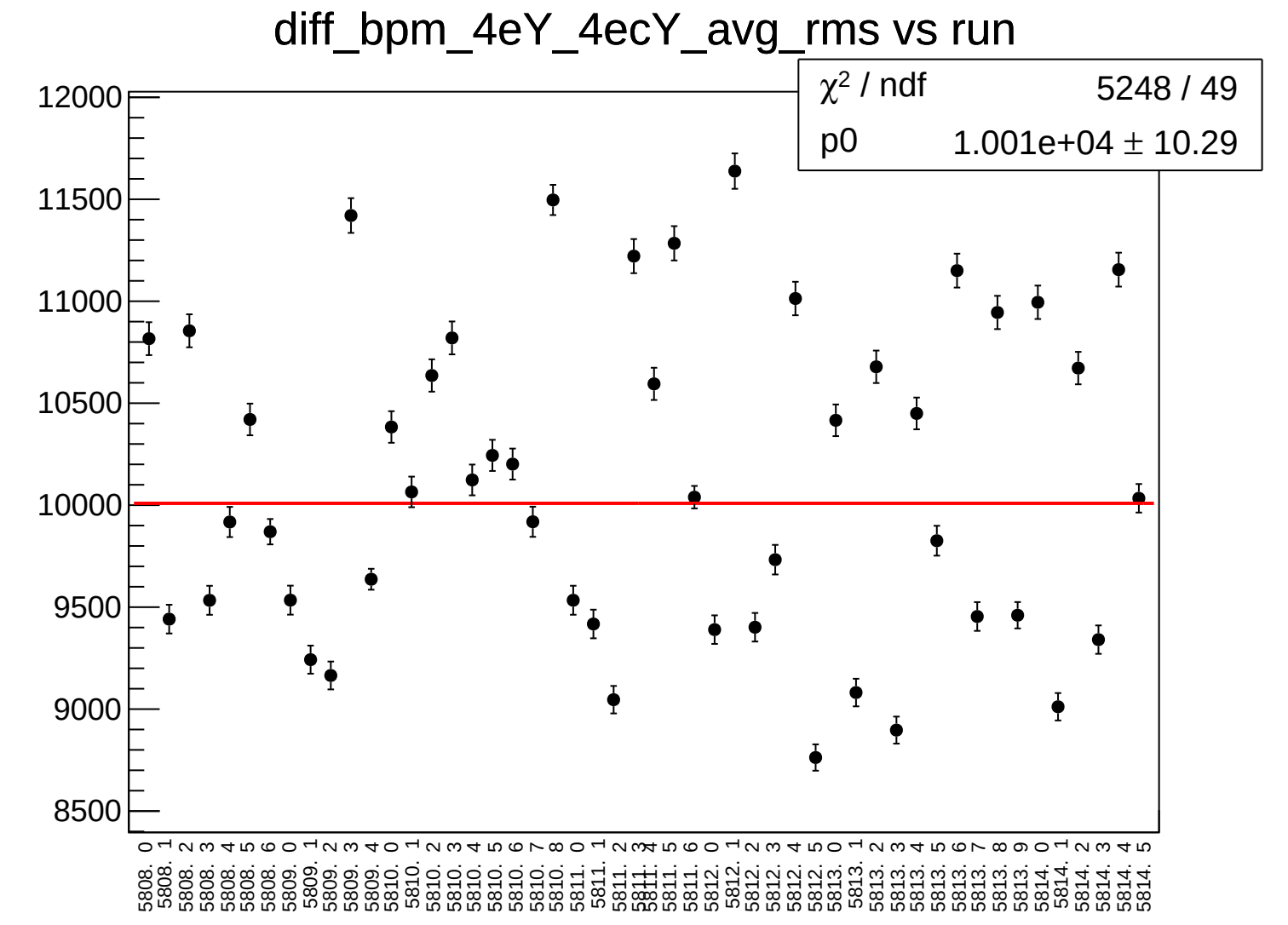

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 61.52 / 49
p0 0.3883 ± 1.752
40
20
0
−20
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 68.51
Std Dev 0
3
2
1
0
−1
−2
−3

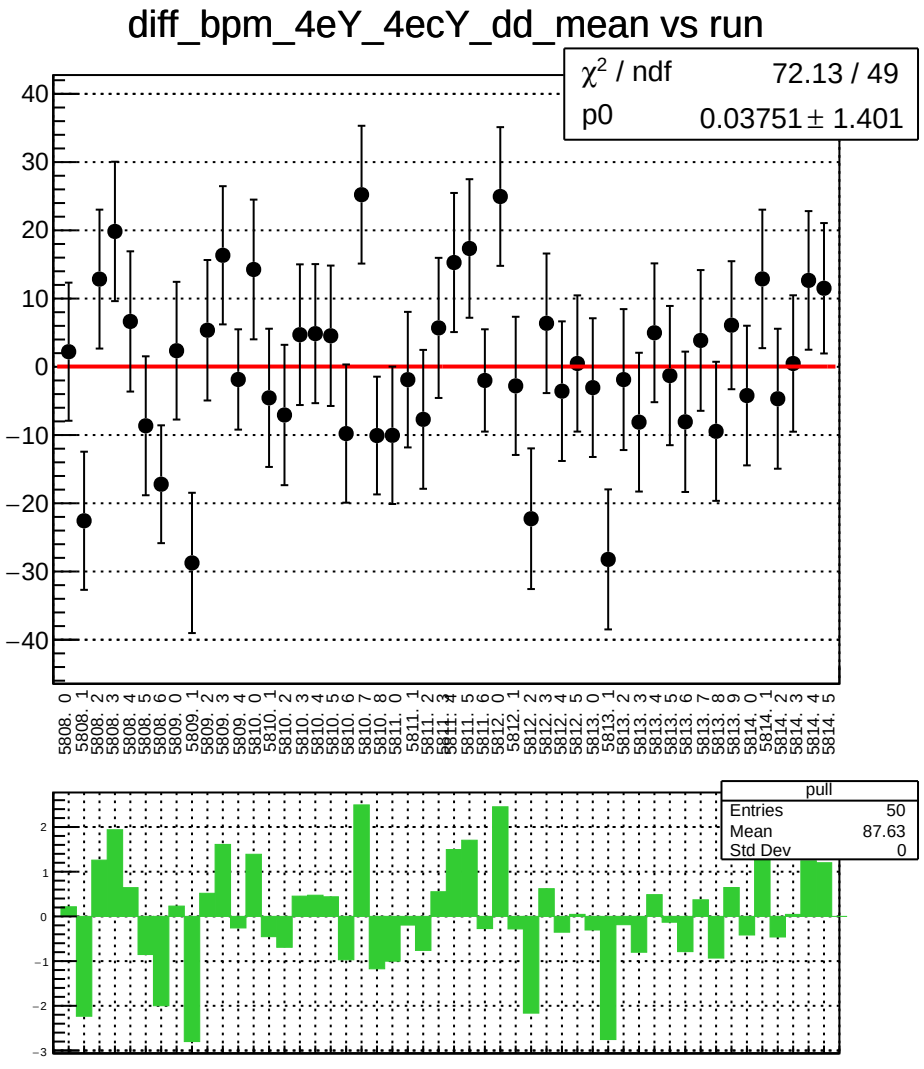

pull1D
Entries 50
Mean 0.02101
Std Dev 1.109
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

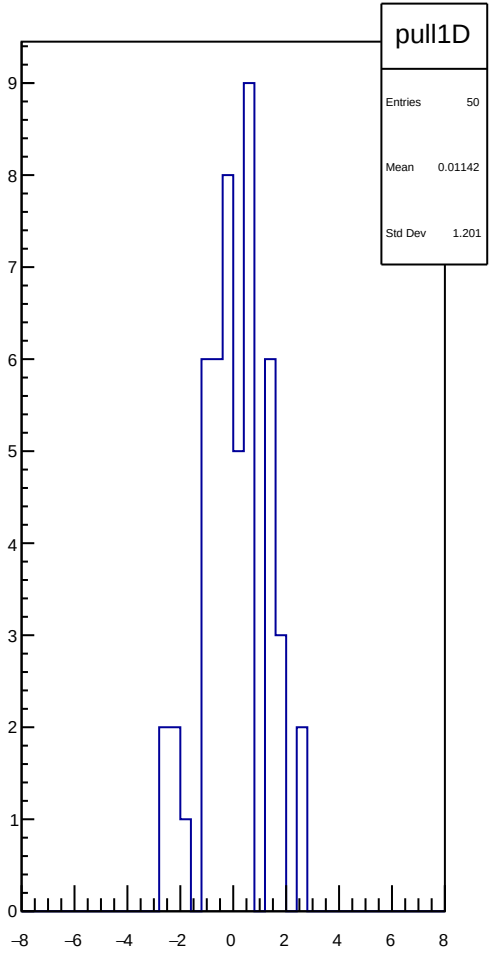

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1572 / 49
p0 1208 ± 1.239
1300
1250
1200
1150
1100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

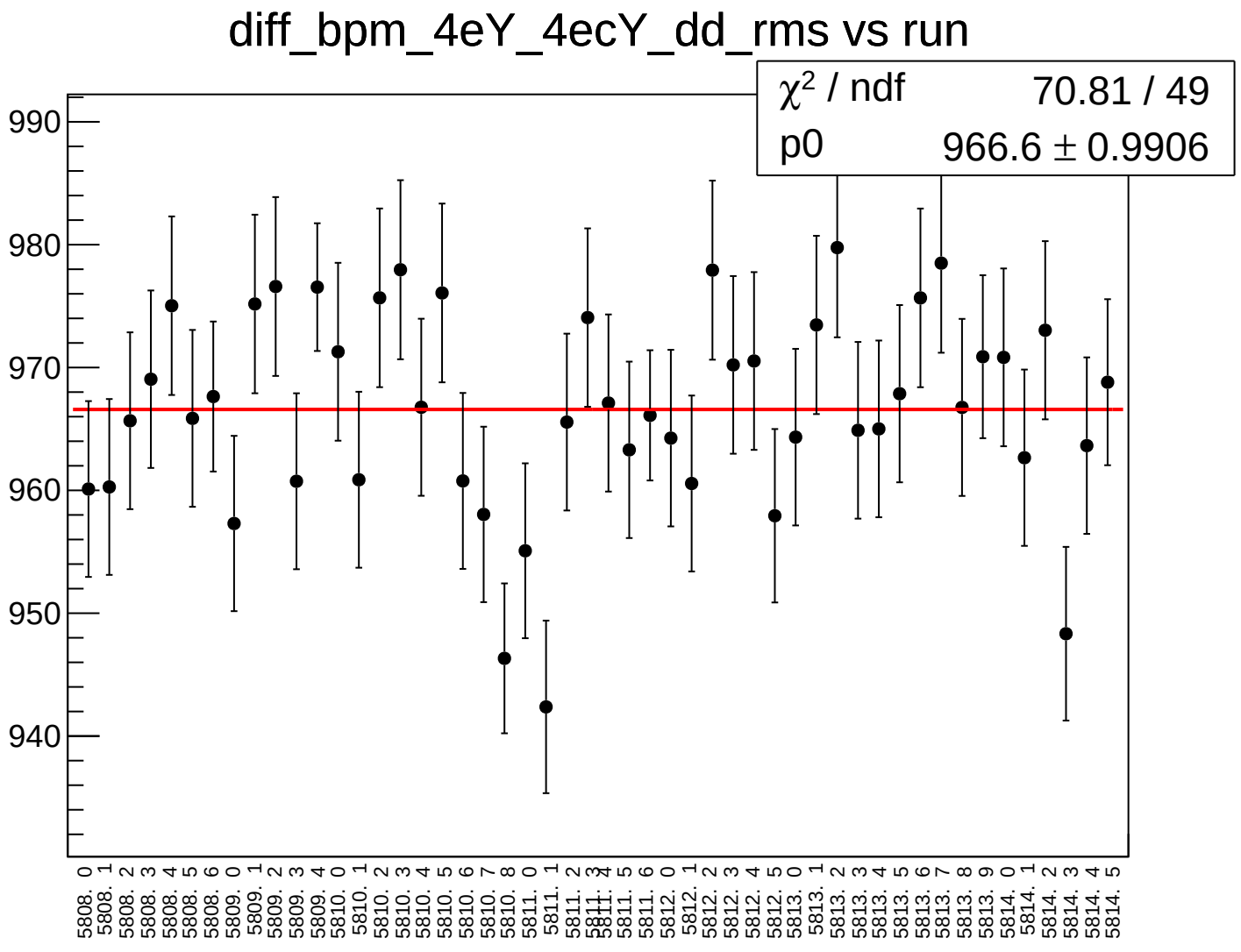

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 41.15 / 49
p0 −10.03 ± 14.55
pull
Entries 50
Mean −832.8
Std Dev 0

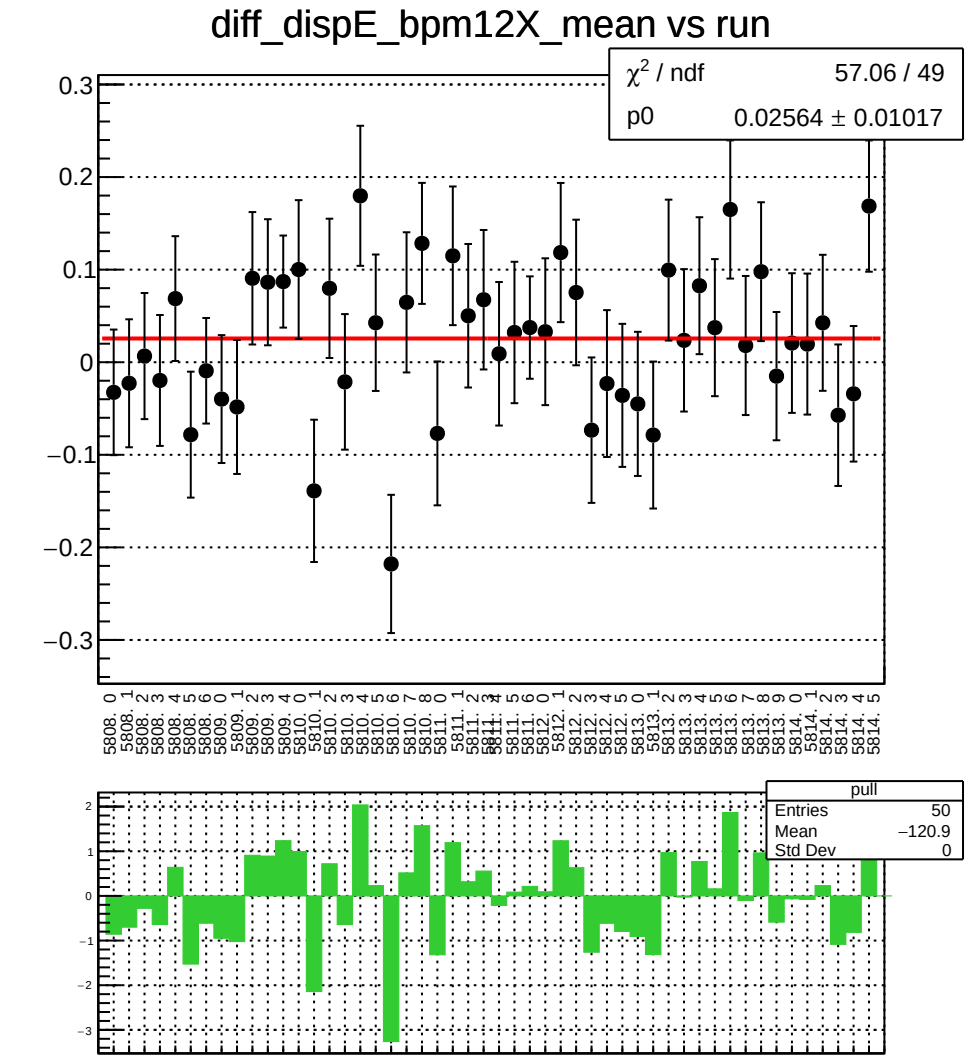

pull1D
Entries 50
Mean 0.005705
Std Dev 0.9071

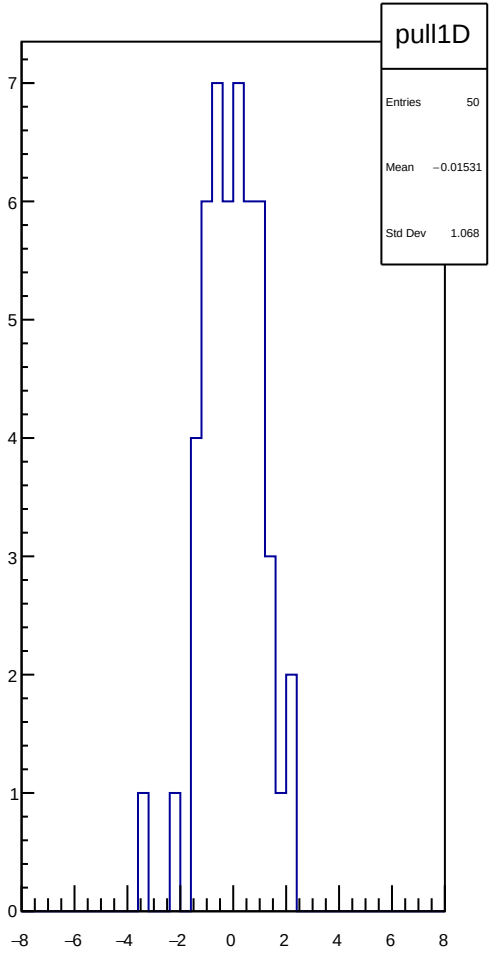

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 5248 / 49
p0 1.001e+04 ± 10.29
12000
11500
11000
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

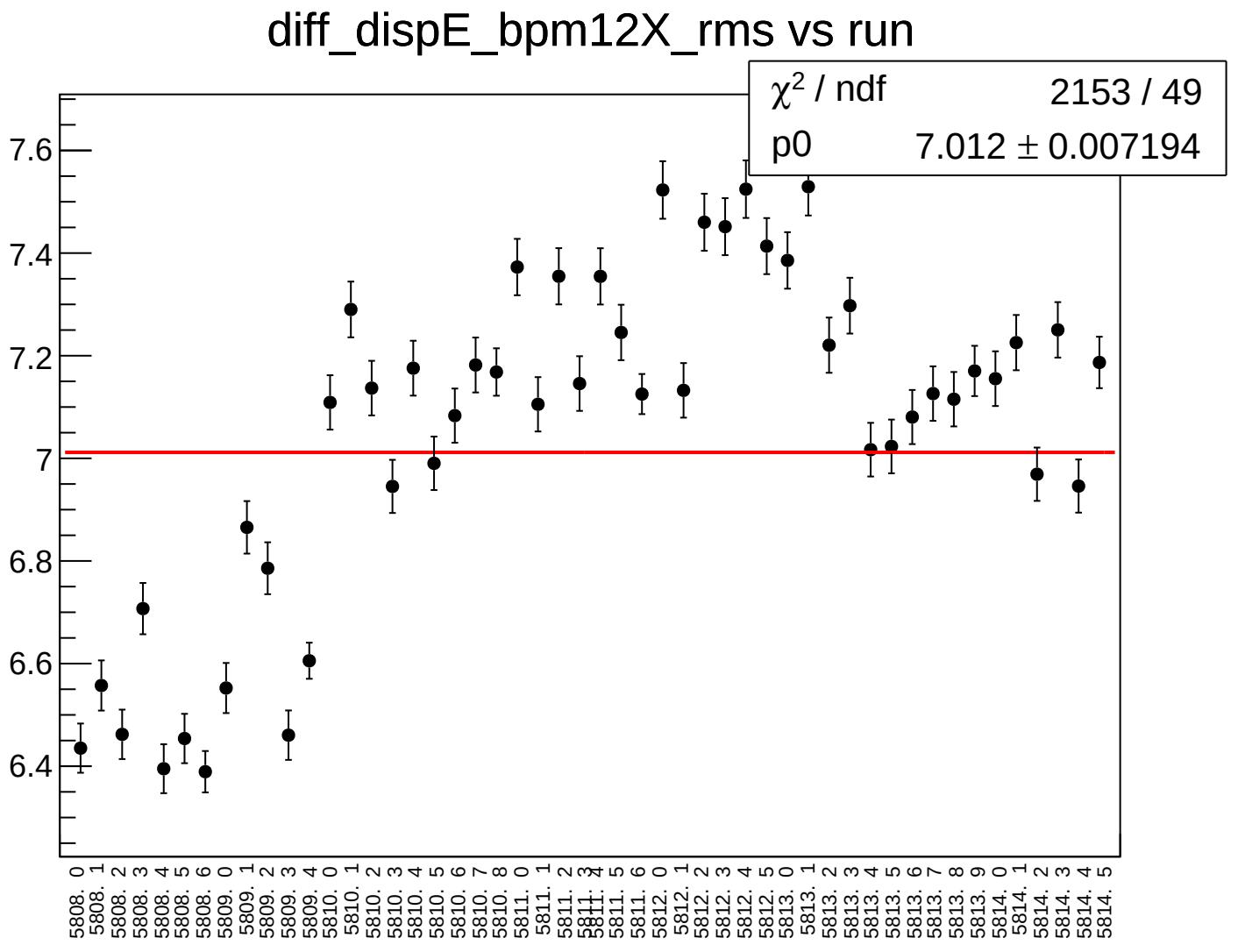

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 72.13 / 49
p0 0.03751 ± 1.401
pull
Entries 50
Mean 87.63
Std Dev 0

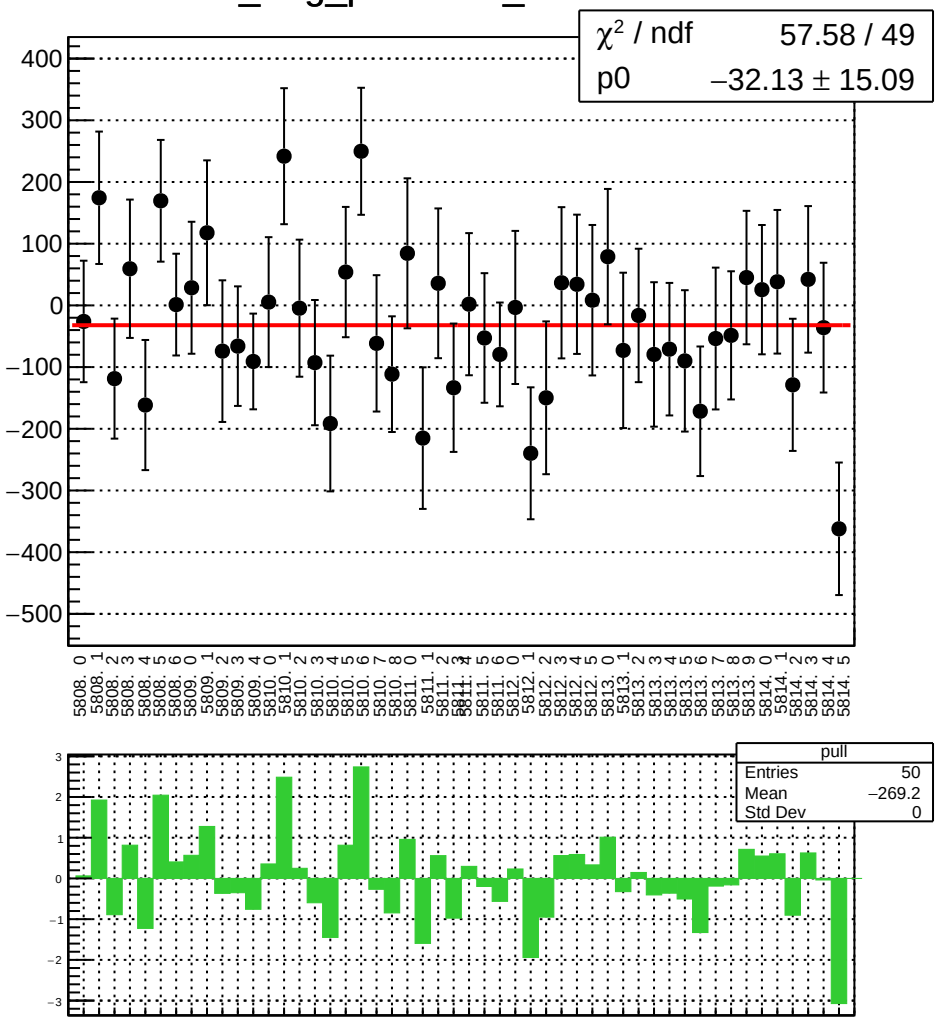

pull1D
Entries 50
Mean 0.01142
Std Dev 1.201

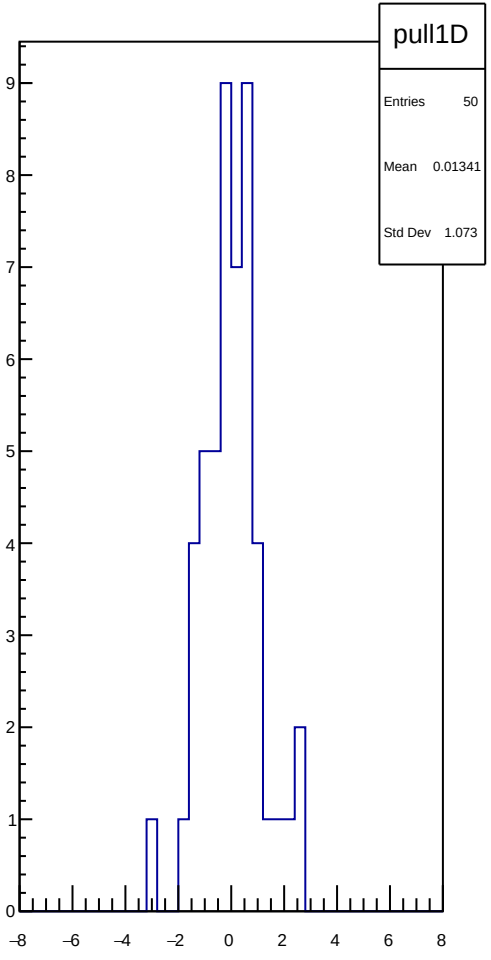

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 70.81 / 49
p0 966.6 ± 0.9906
990
980
970
960
950
940
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

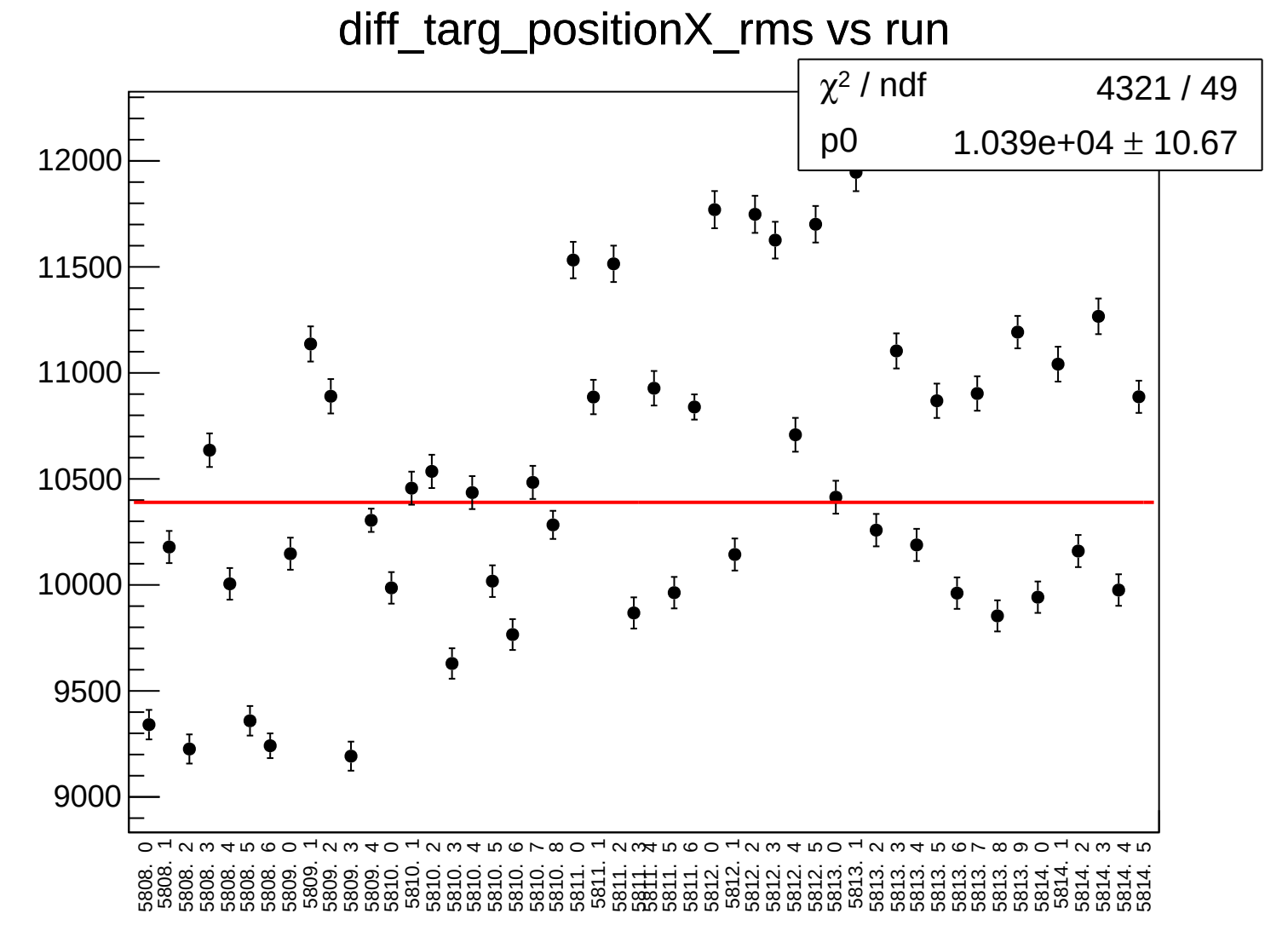

diff_dispE_bpm12X_mean vs run
χ² / ndf 57.06 / 49
p0 0.02564 ± 0.01017
pull
Entries 50
Mean −120.9
Std Dev 0

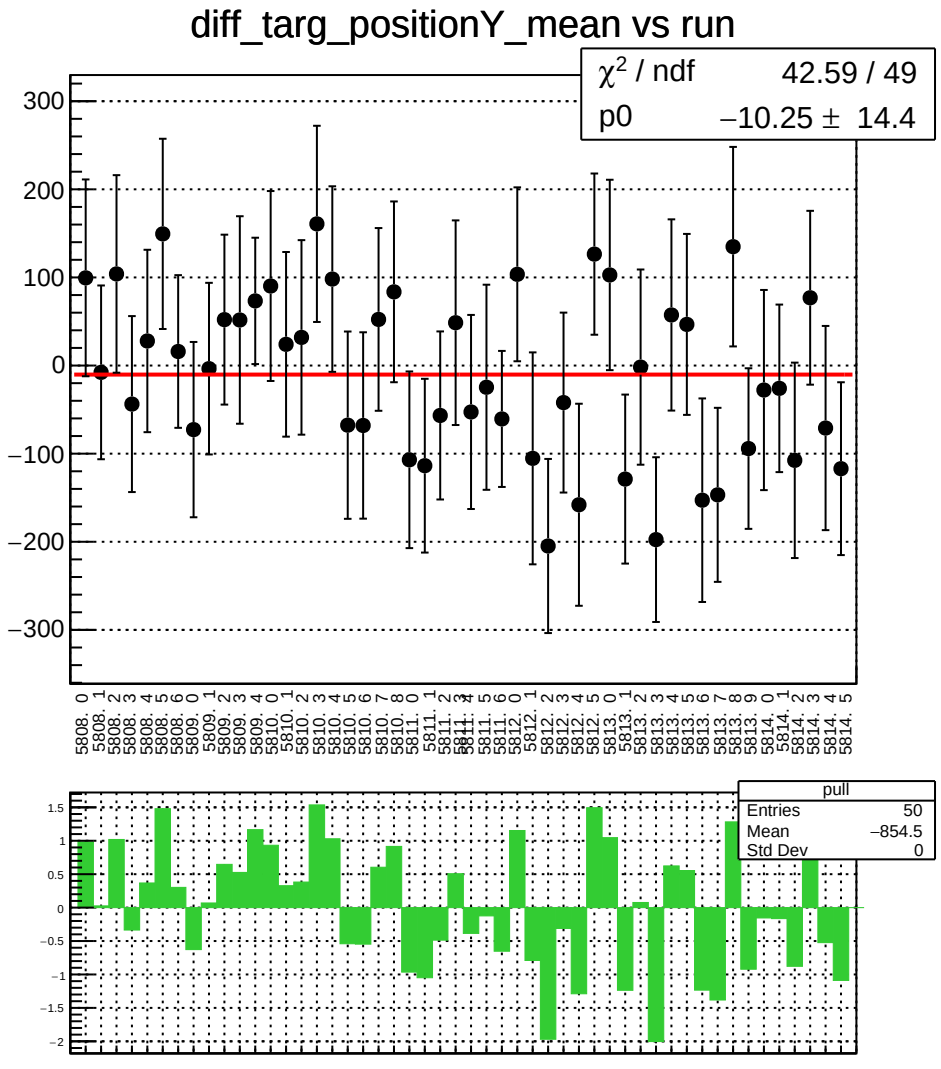

pull1D
Entries 50
Mean −0.01531
Std Dev 1.068

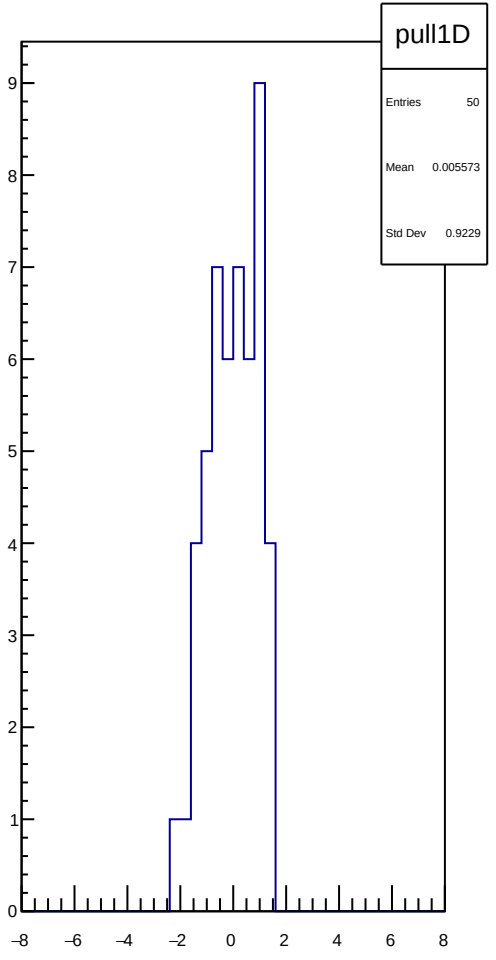

diff_dispE_bpm12X_rms vs run
χ² / ndf 2153 / 49
p0 7.012 ± 0.007194
7.6
7.4
7.2
7
6.8
6.6
6.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

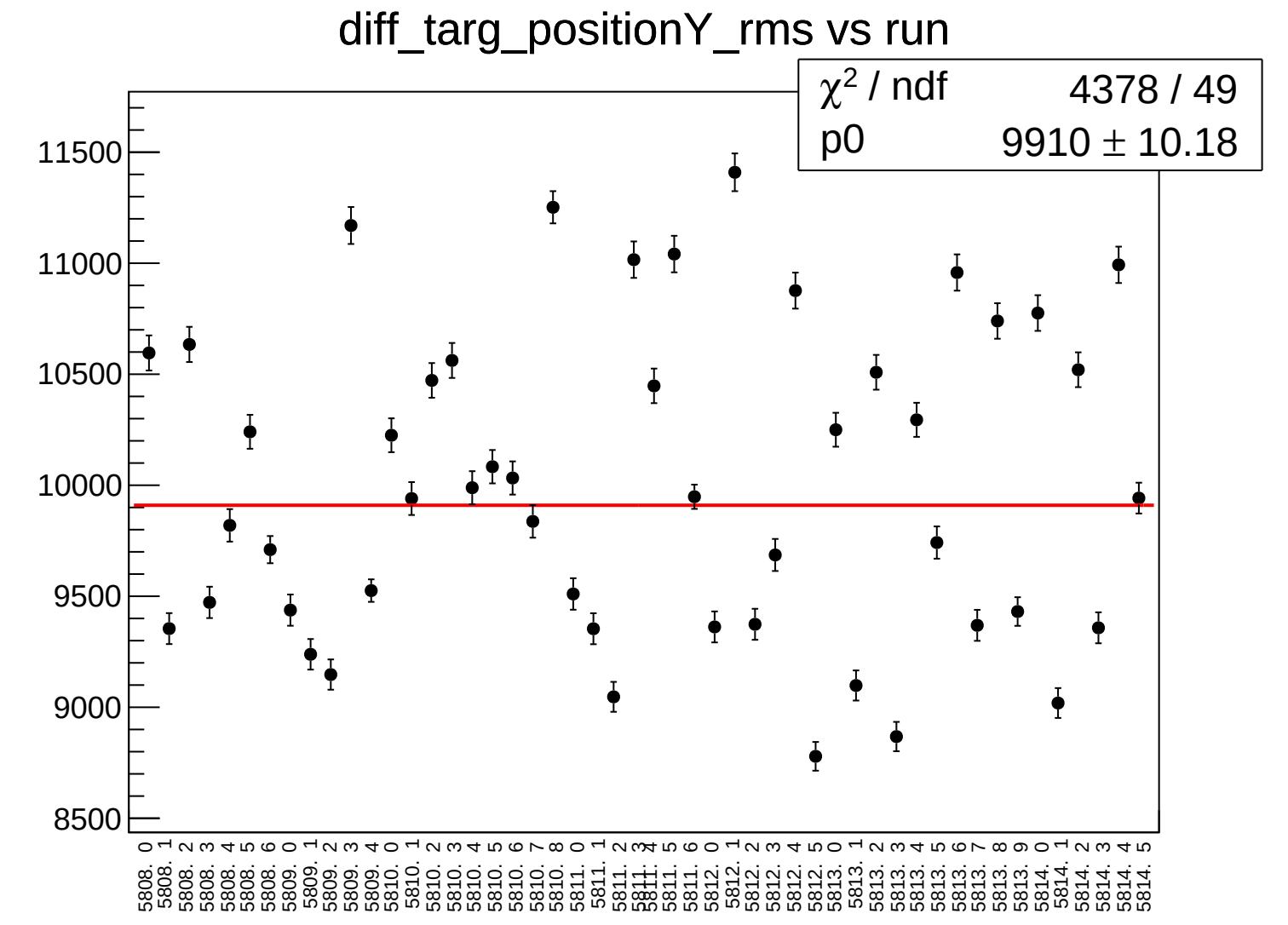

diff_targ_positionX_mean vs run
χ² / ndf 57.58 / 49
p0 −32.13 ± 15.09
pull
Entries 50
Mean −269.2
Std Dev 0

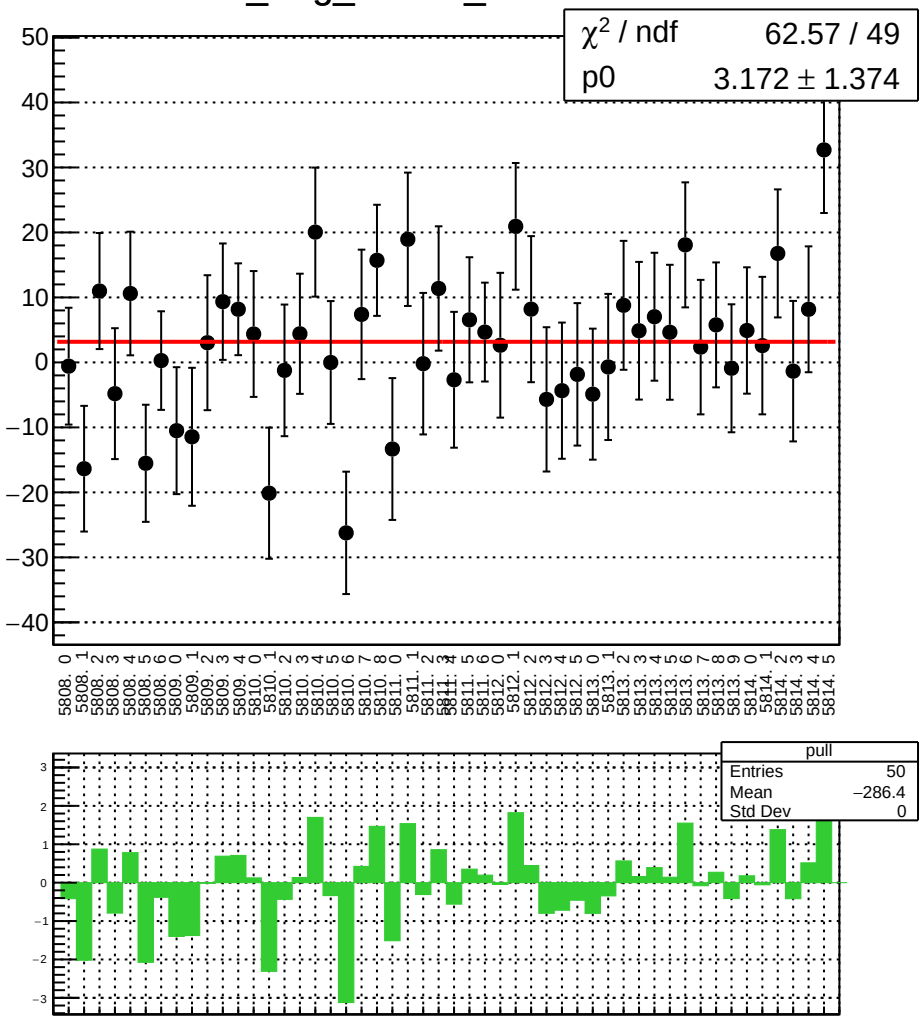

pull1D
Entries 50
Mean 0.01341
Std Dev 1.073

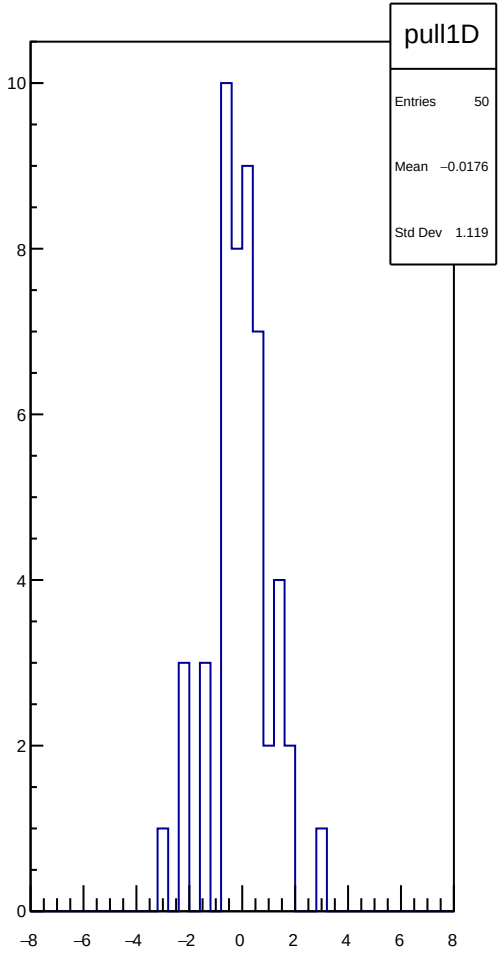

diff_targ_positionX_rms vs run
χ² / ndf 4321 / 49
p0 1.039e+04 ± 10.67
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

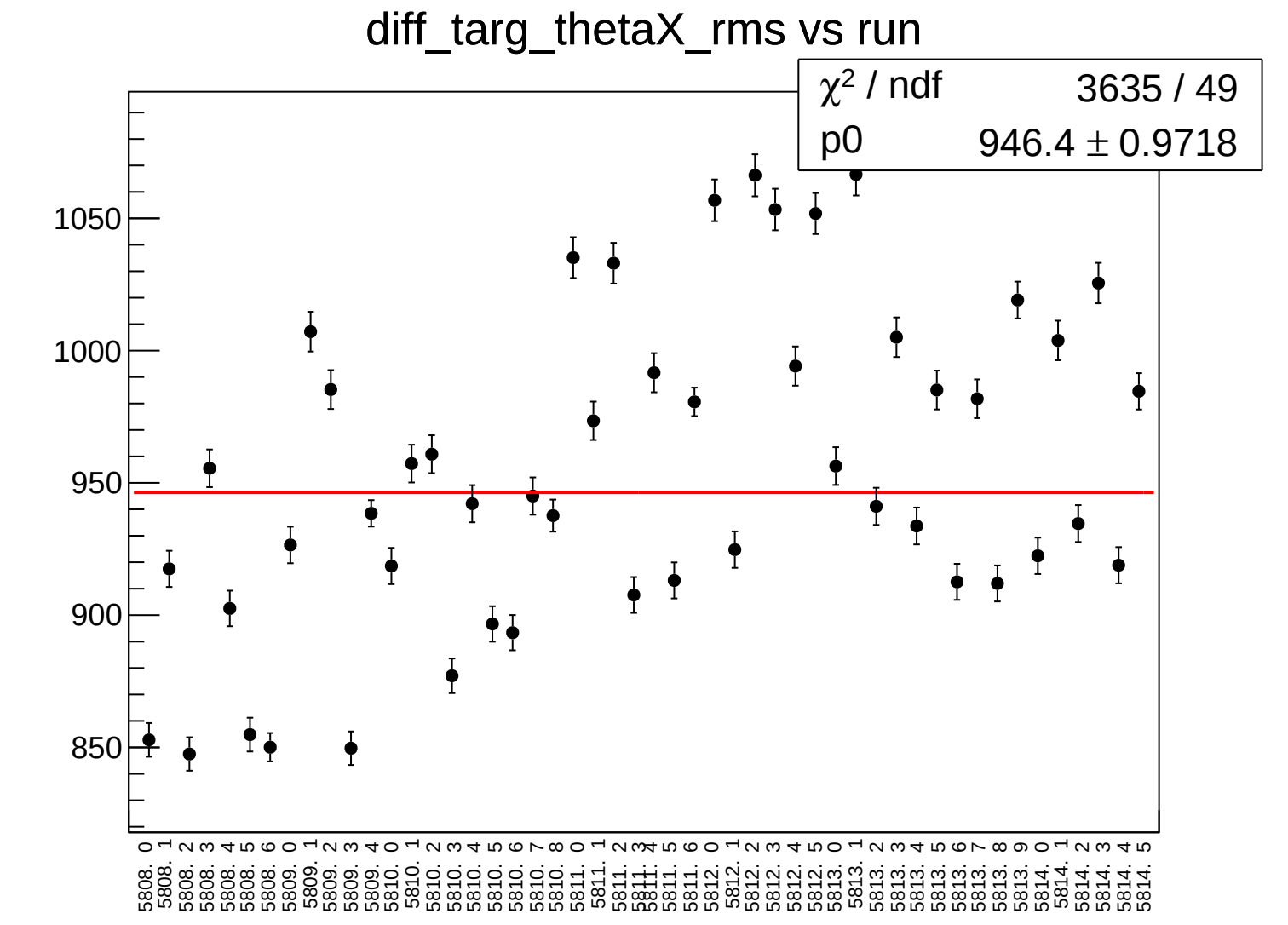

diff_targ_positionY_mean vs run
χ² / ndf 42.59 / 49
p0 −10.25 ± 14.4
pull
Entries 50
Mean −854.5
Std Dev 0

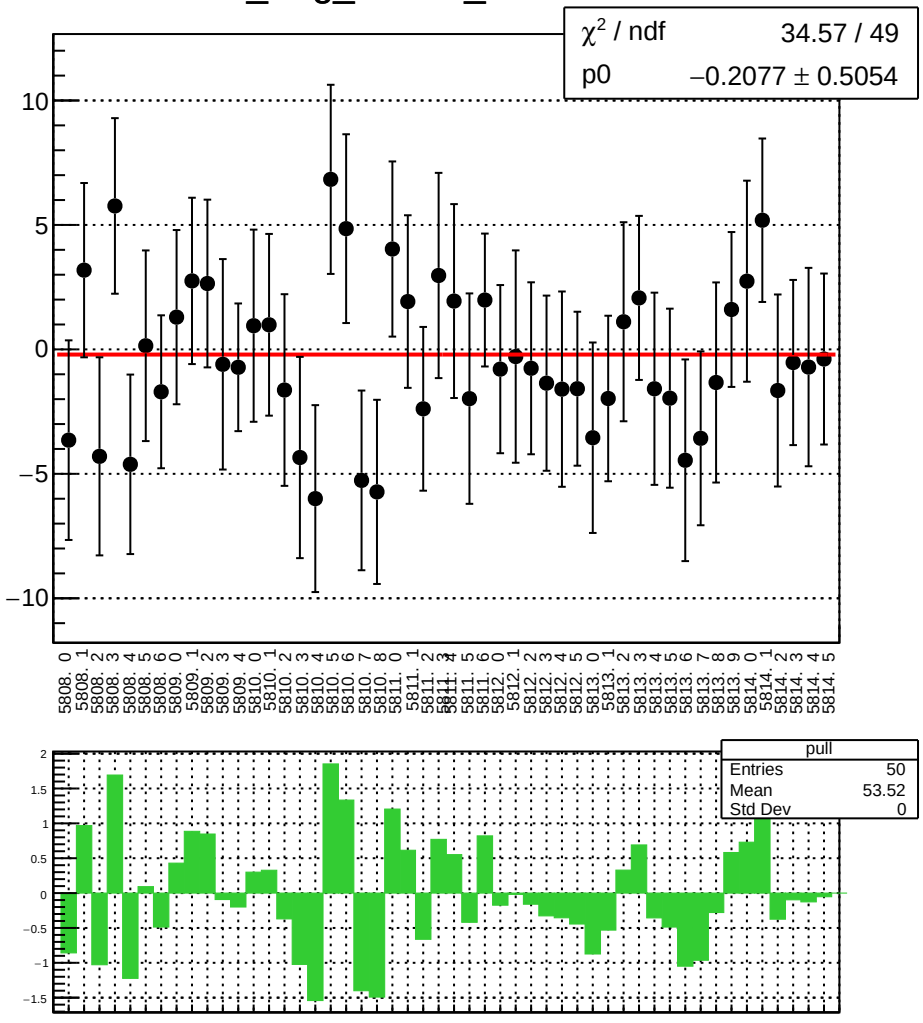

pull1D
Entries 50
Mean 0.005573
Std Dev 0.9229

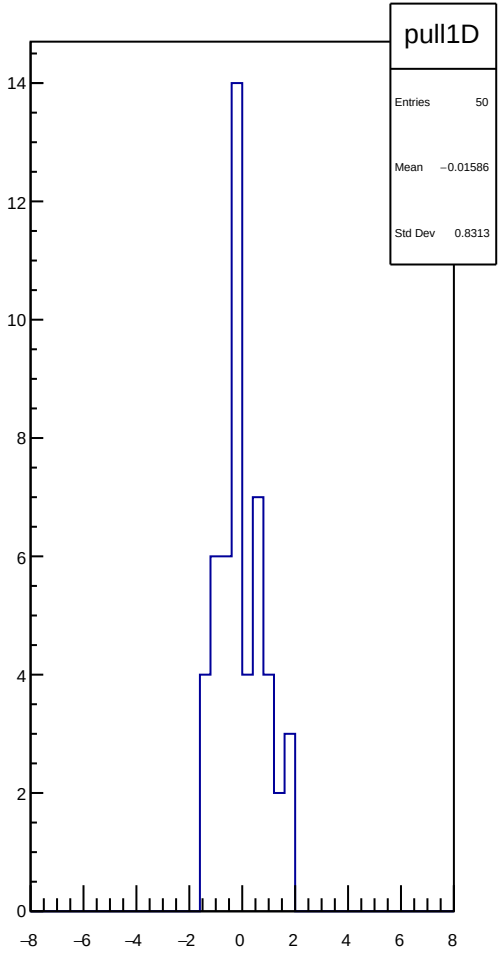

diff_targ_positionY_rms vs run
χ² / ndf 4378 / 49
p0 9910 ± 10.18
11500
11000
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

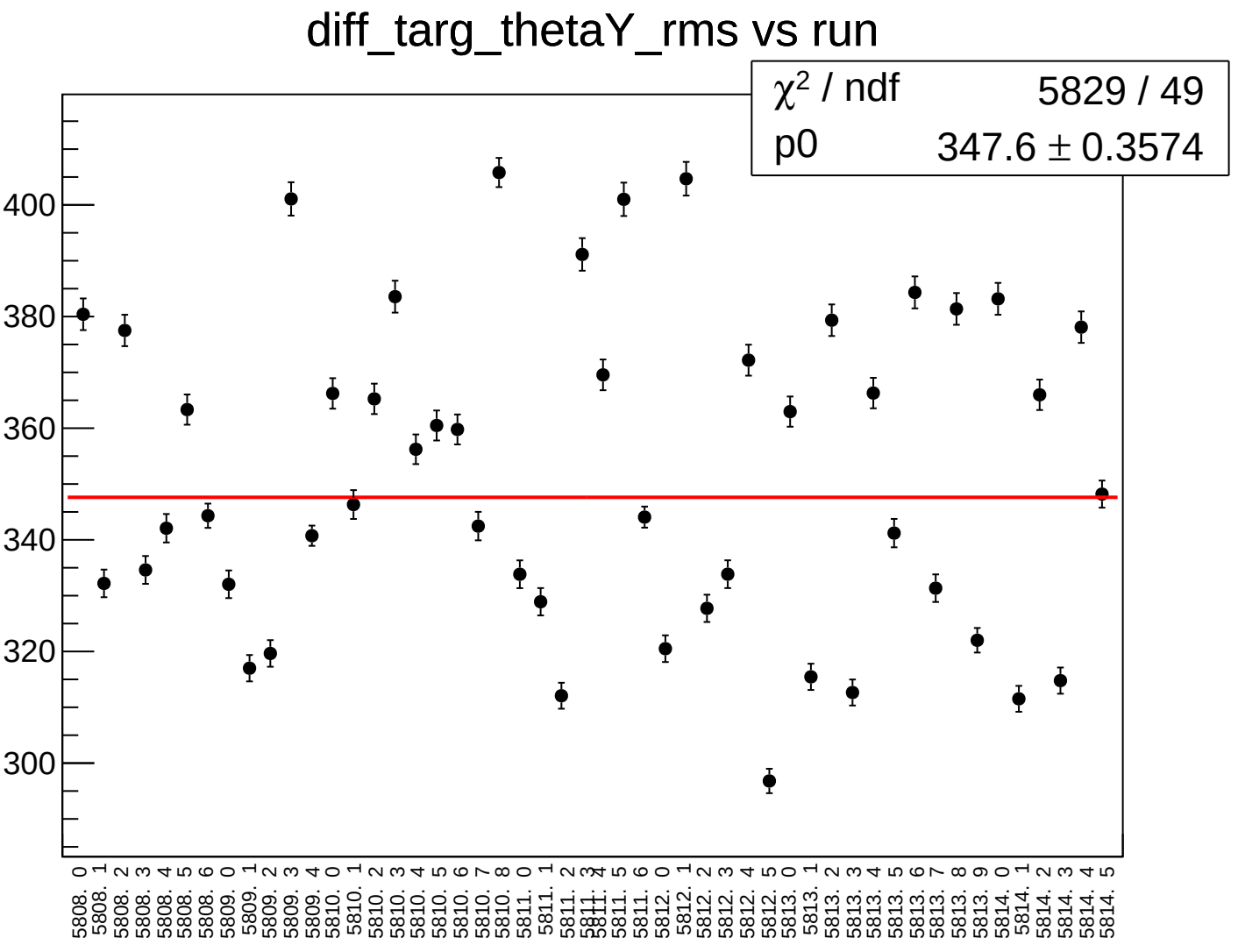

diff_targ_thetaX_mean vs run
χ² / ndf 62.57 / 49
p0 3.172 ± 1.374
pull
Entries 50
Mean −286.4
Std Dev 0


pull1D
Entries 50
Mean −0.0176
Std Dev 1.119


diff_targ_thetaX_rms vs run
χ² / ndf 3635 / 49
p0 946.4 ± 0.9718
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_targ_thetaY_mean vs run
χ² / ndf 34.57 / 49
p0 −0.2077 ± 0.5054
pull
Entries 50
Mean 53.52
Std Dev 0


pull1D
Entries 50
Mean −0.01586
Std Dev 0.8313


diff_targ_thetaY_rms vs run
χ² / ndf 5829 / 49
p0 347.6 ± 0.3574
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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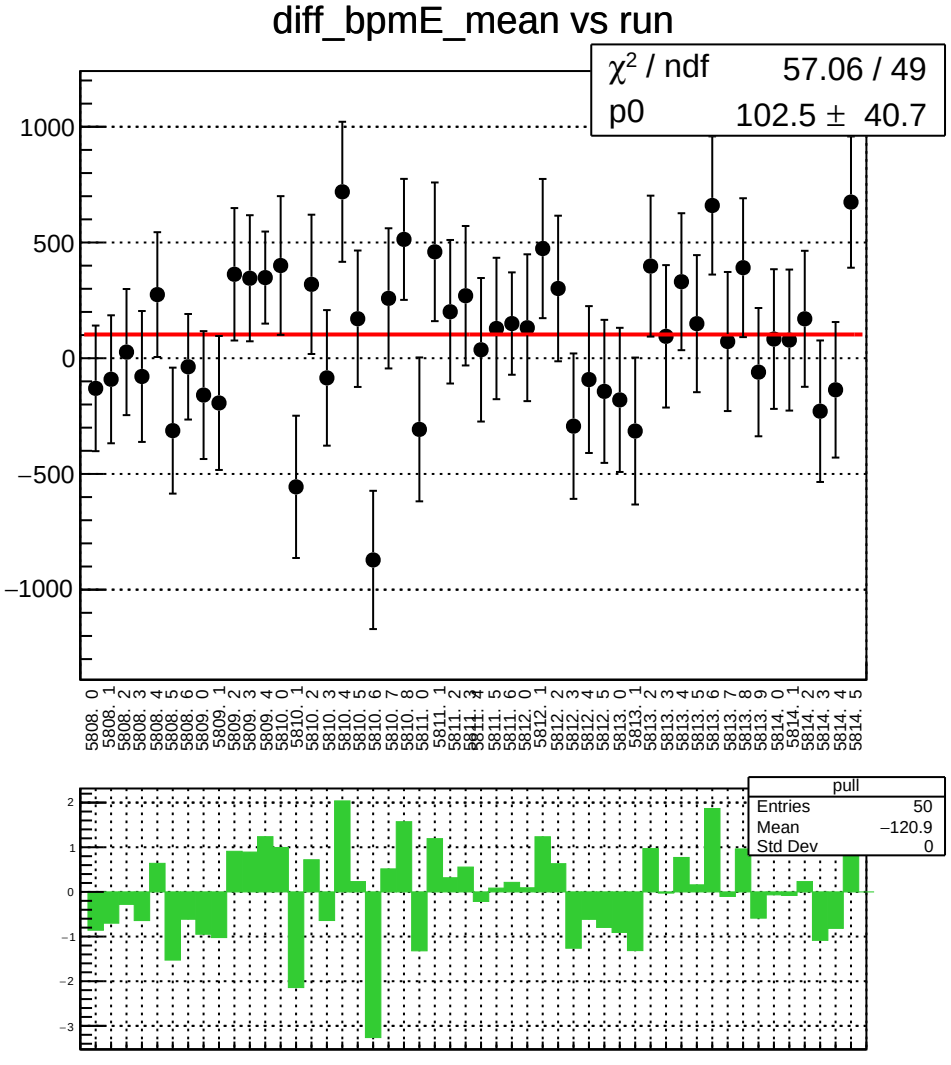
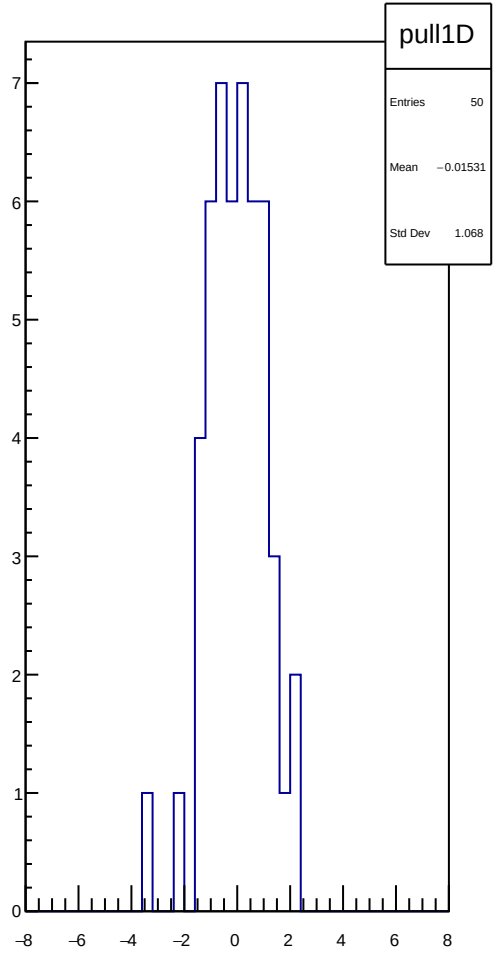
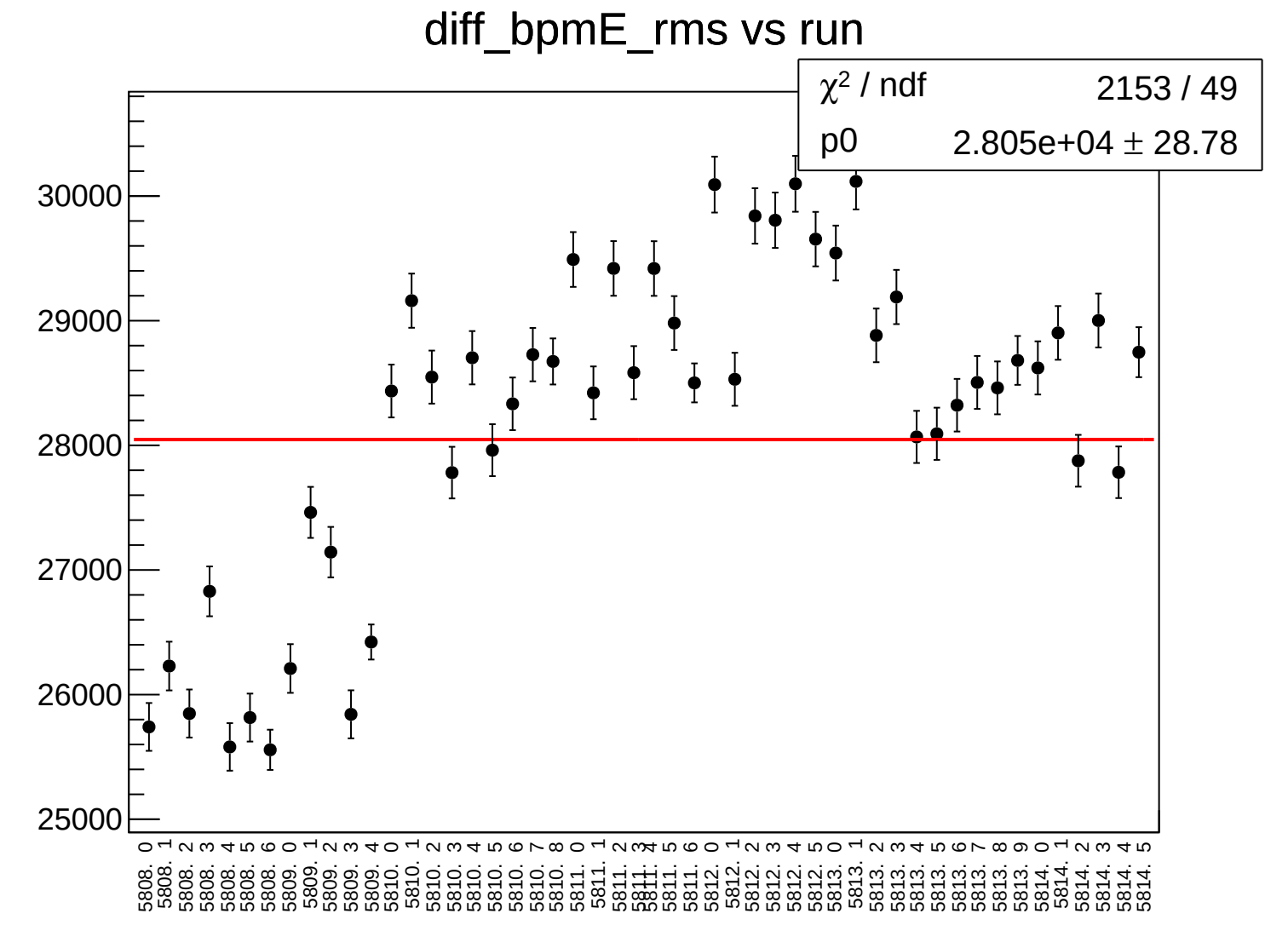
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpmE_mean vs run
χ² / ndf 57.06 / 49
p0 102.5 ± 40.7
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −120.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01531
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpmE_rms vs run
χ² / ndf 2153 / 49
p0 2.805e+04 ± 28.78
30000
29000
28000
27000
26000
25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 5
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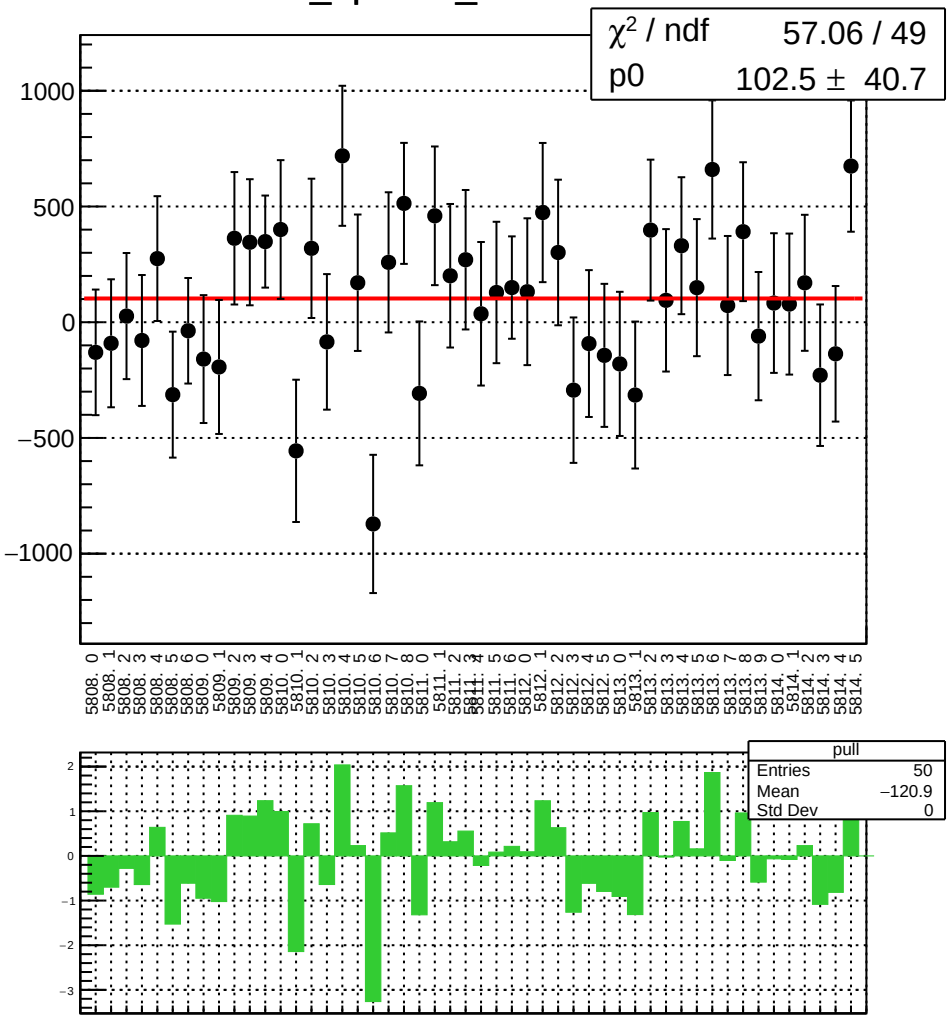
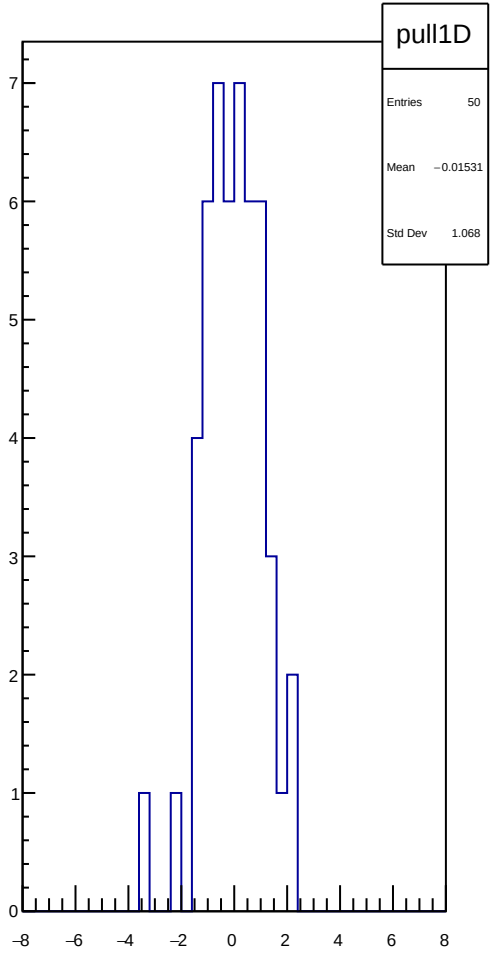
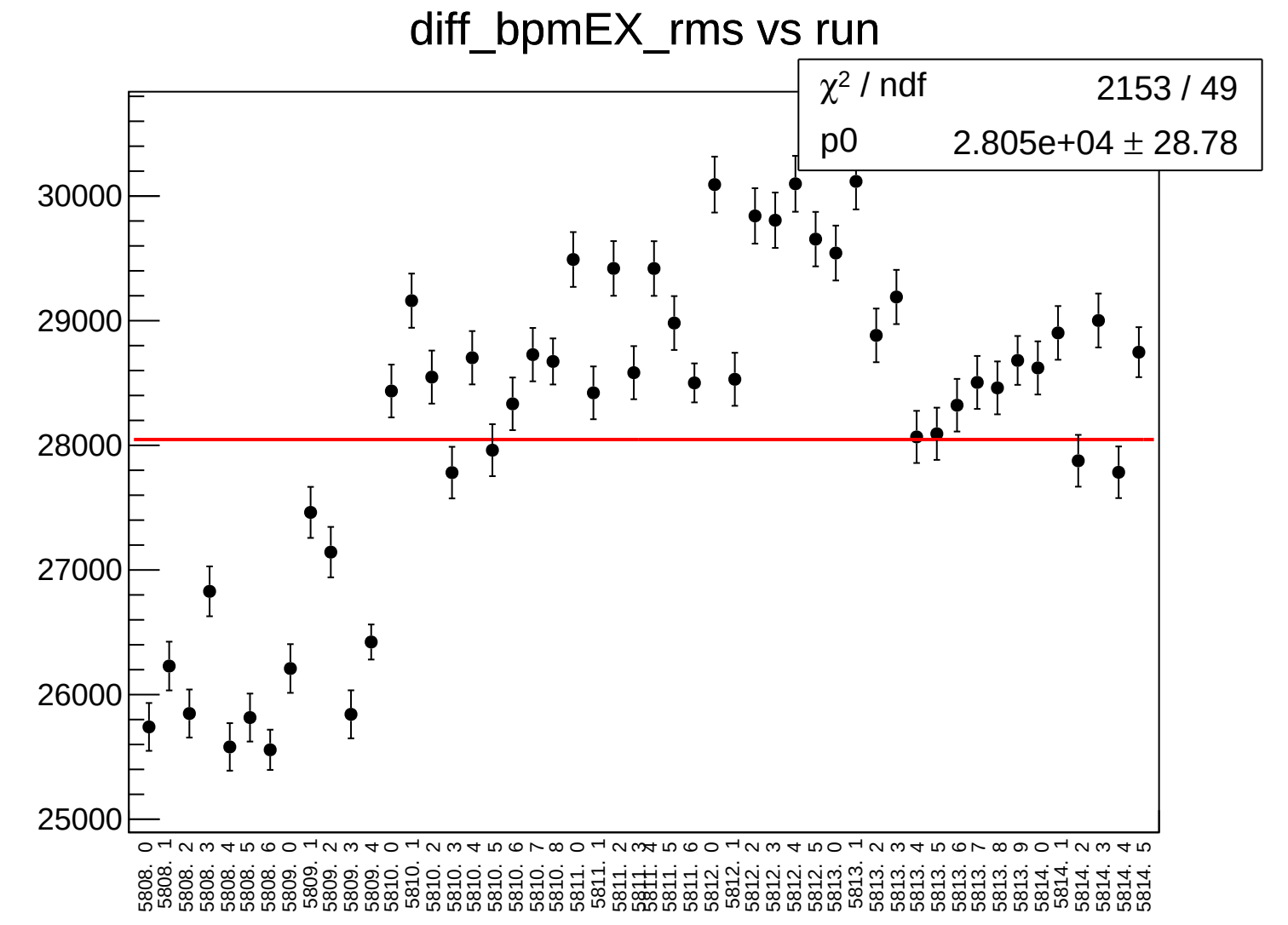
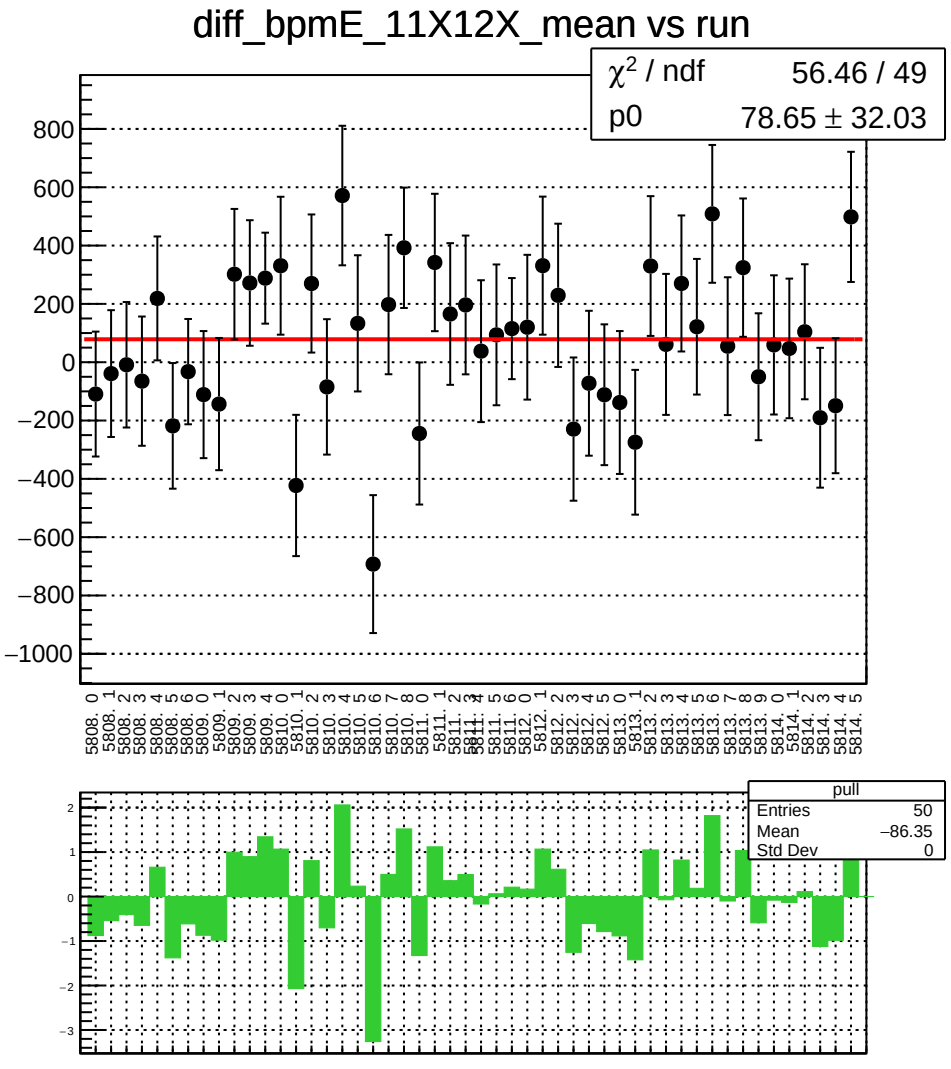
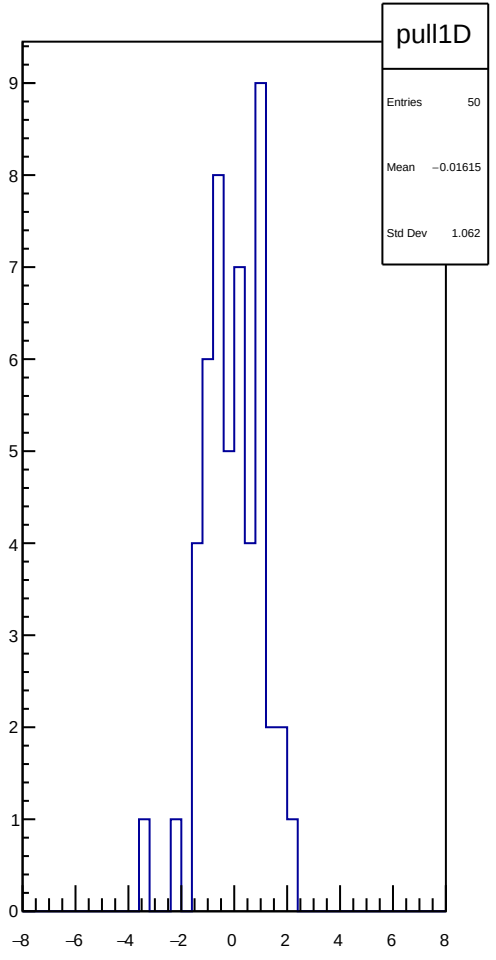
5814. 5

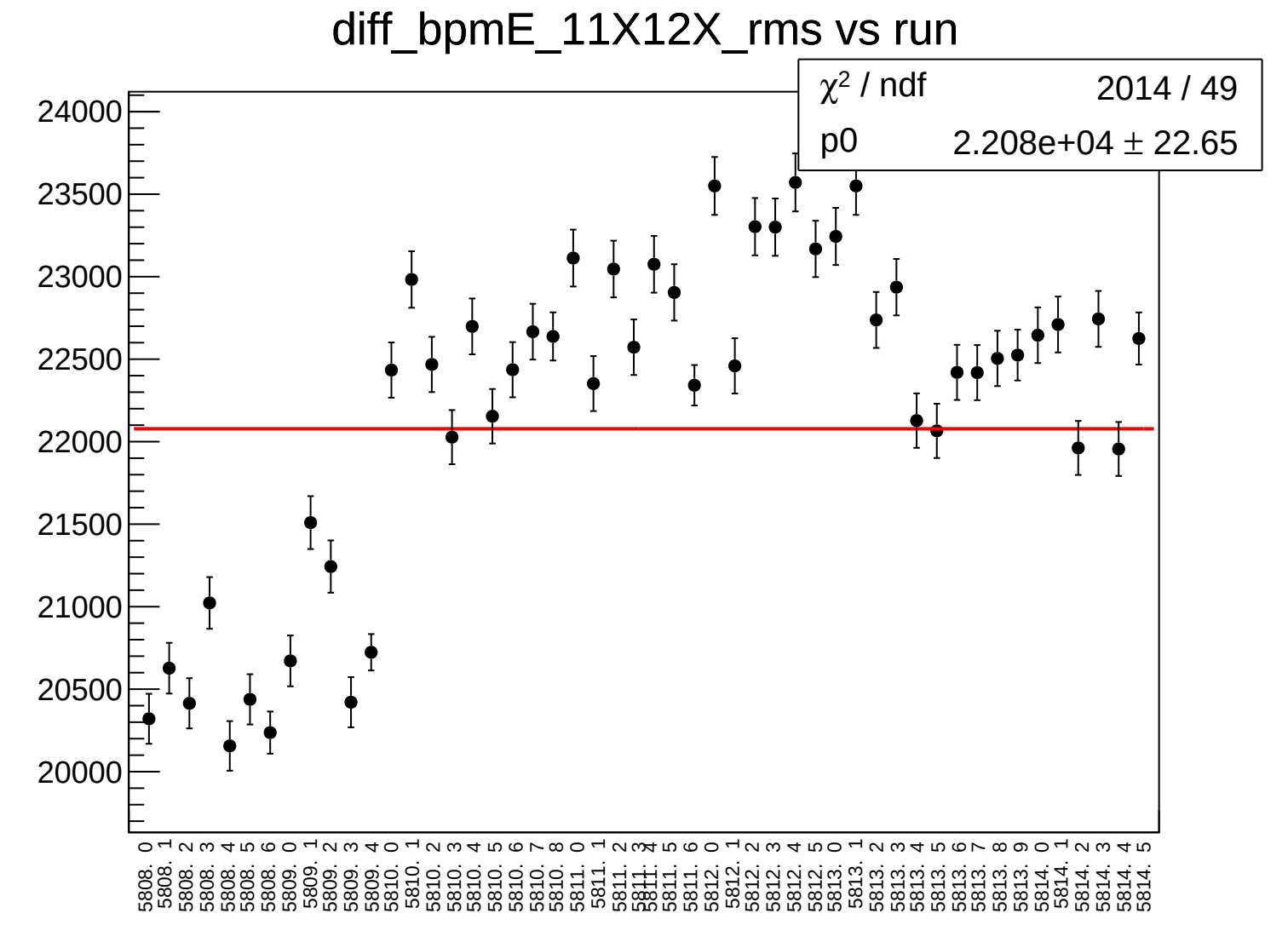

diff_bpmEX_mean vs run
χ² / ndf 57.06 / 49
p0 102.5 ± 40.7
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −120.9
Std Dev 0
2
1
0
−1
−2
−3

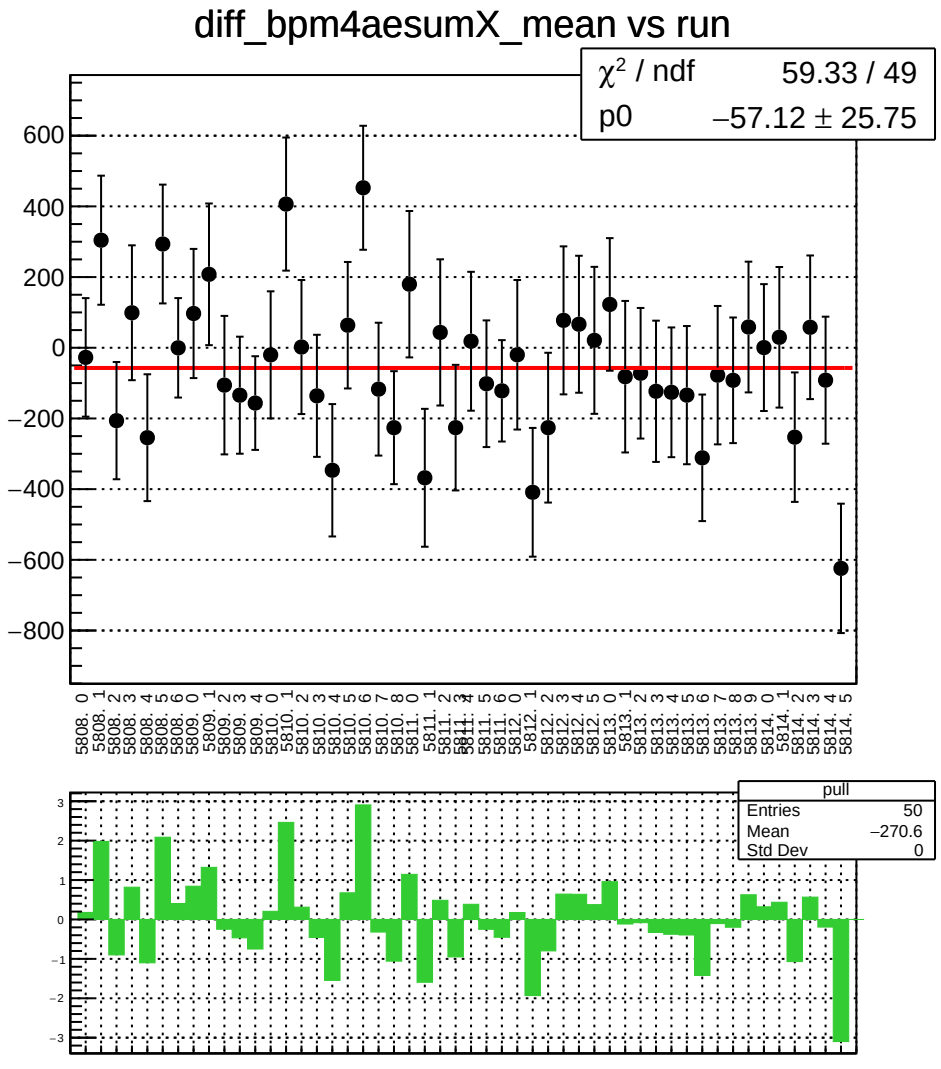

pull1D
Entries 50
Mean −0.01531
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

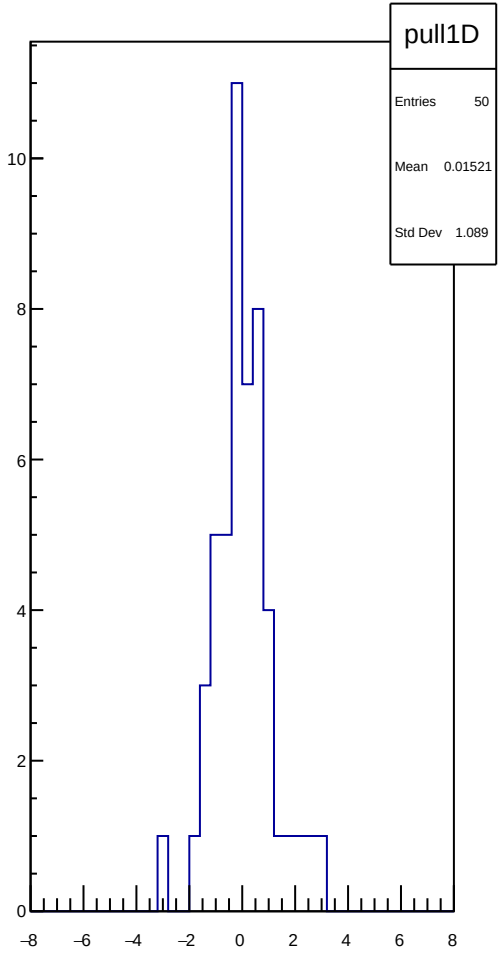

diff_bpmEX_rms vs run
χ² / ndf 2153 / 49
p0 2.805e+04 ± 28.78
30000
29000
28000
27000
26000
25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

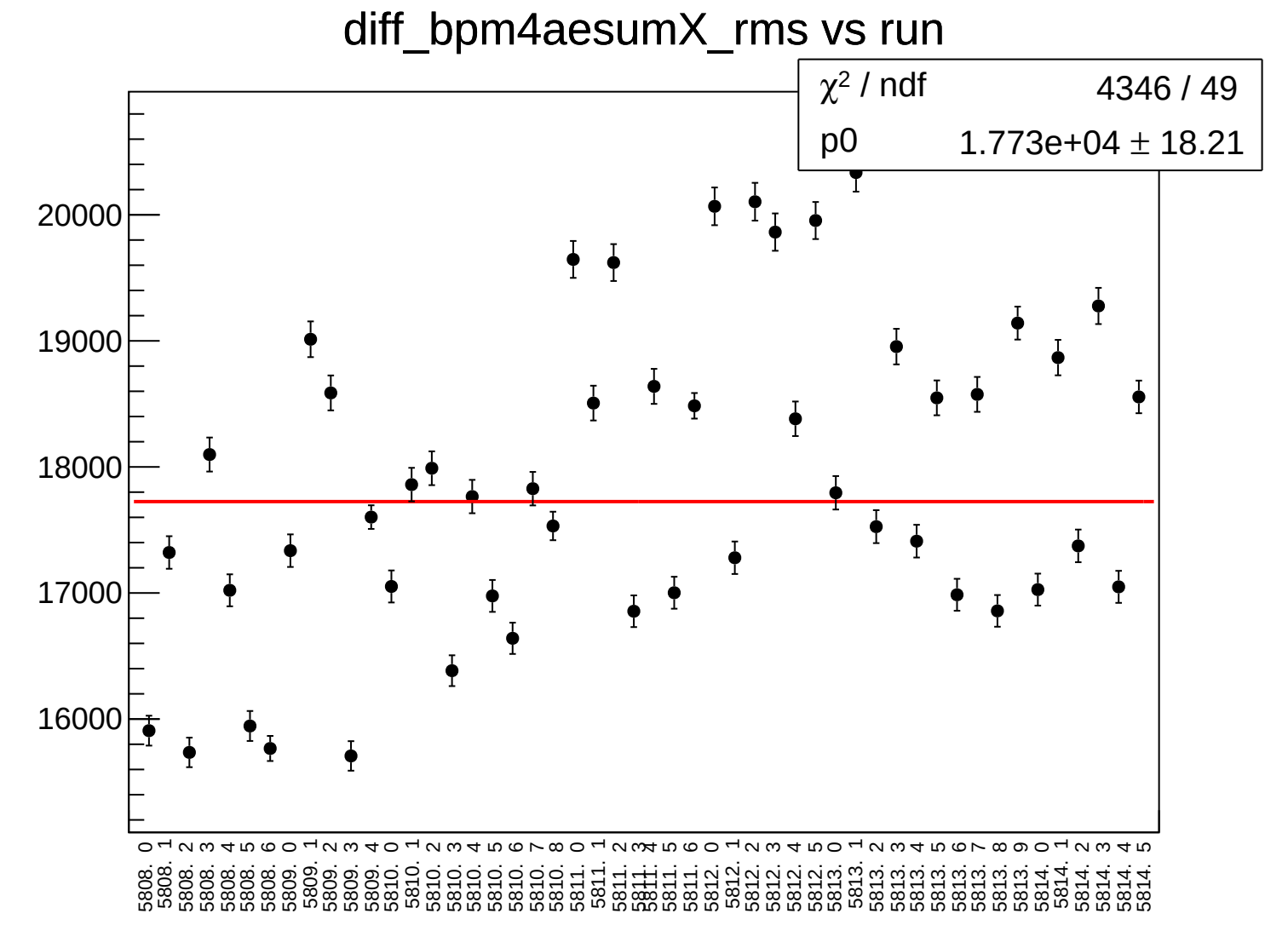

diff_bpmE_11X12X_mean vs run
χ² / ndf 56.46 / 49
p0 78.65 ± 32.03
pull
Entries 50
Mean −86.35
Std Dev 0

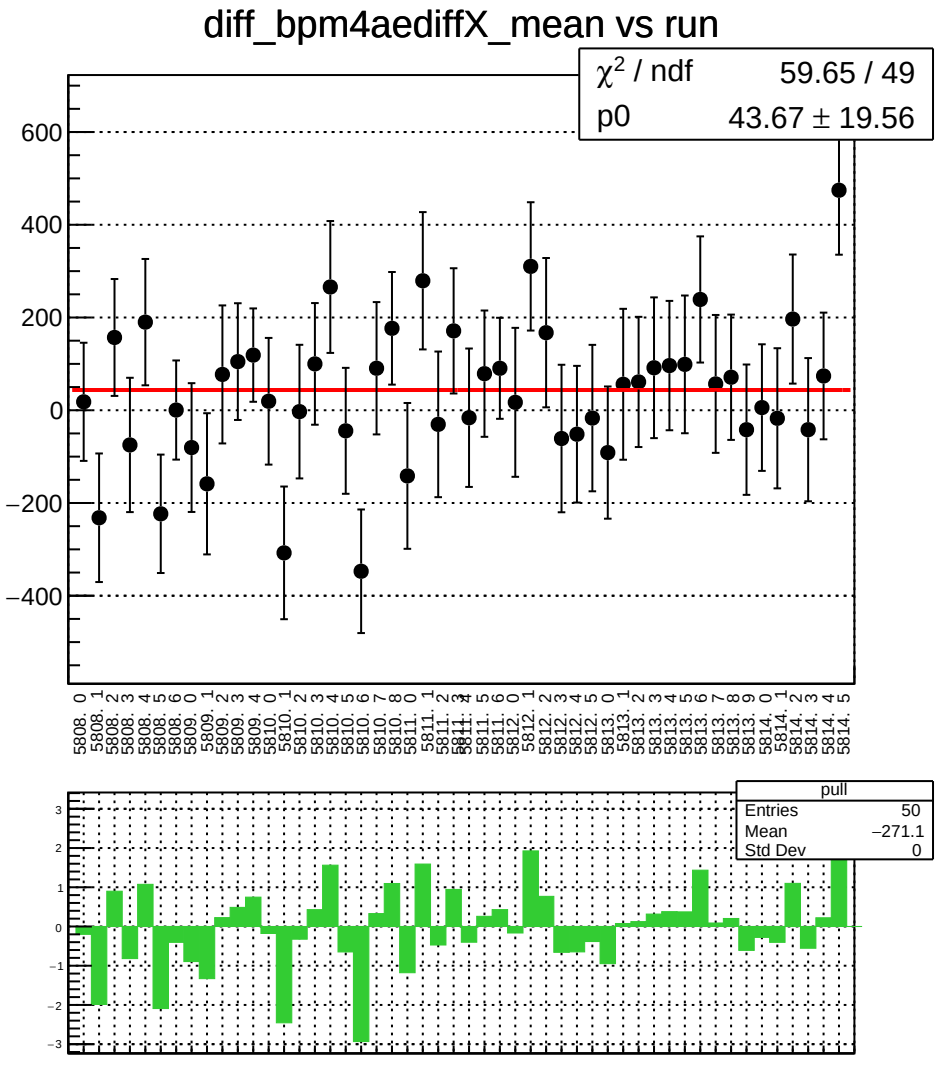

pull1D
Entries 50
Mean −0.01615
Std Dev 1.062

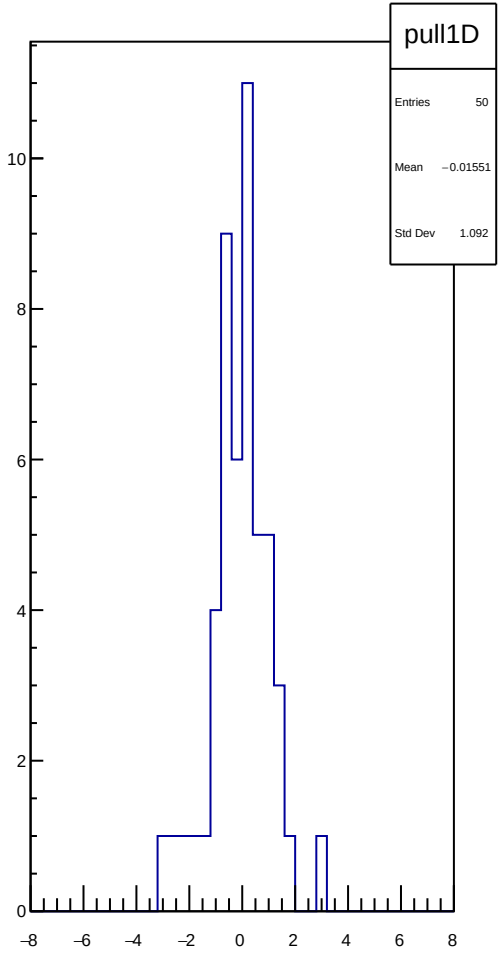

diff_bpmE_11X12X_rms vs run
χ² / ndf 2014 / 49
p0 2.208e+04 ± 22.65
24000
23500
23000
22500
22000
21500
21000
20500
20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

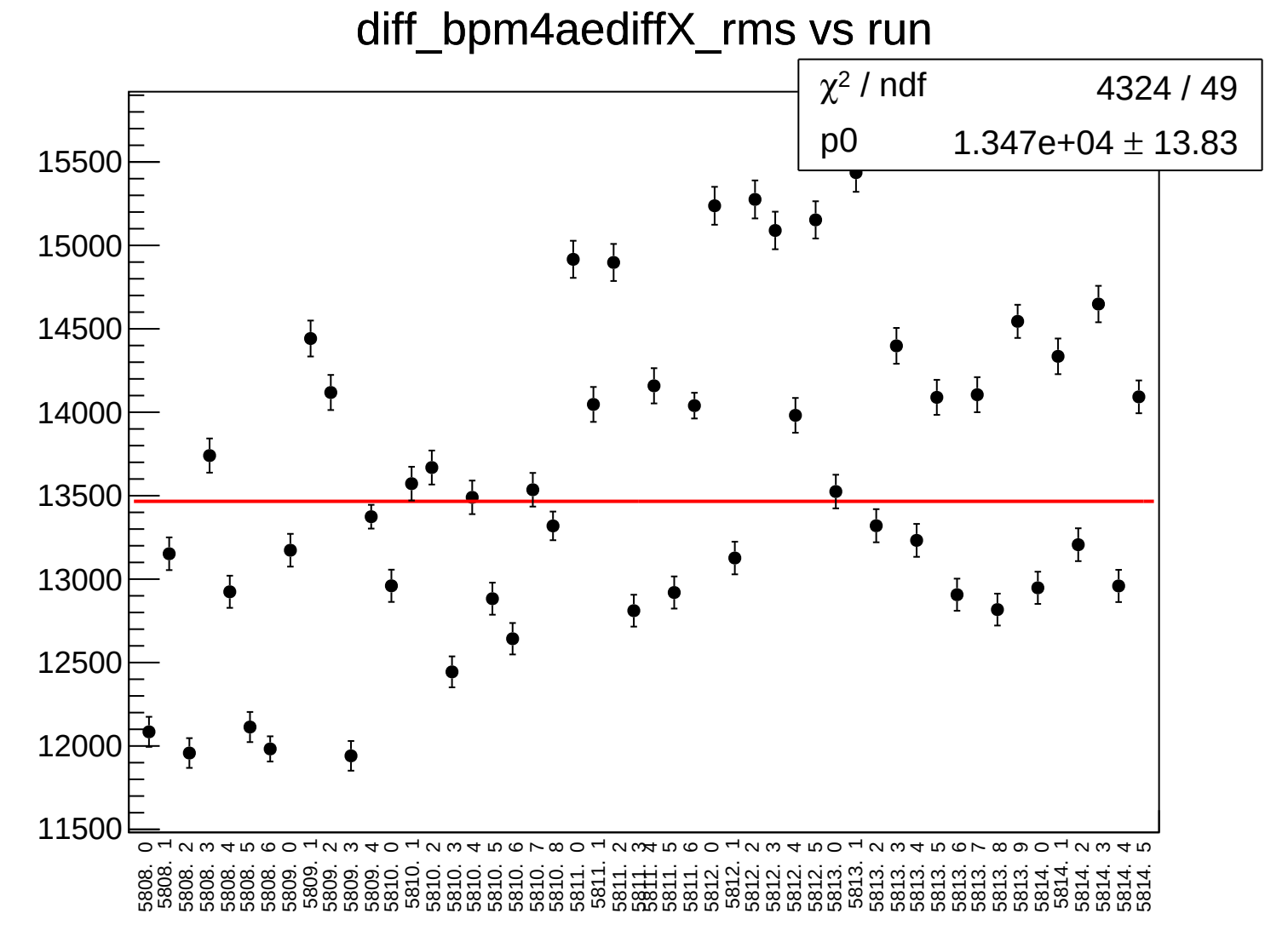

diff_bpm4aesumX_mean vs run
χ² / ndf 59.33 / 49
p0 −57.12 ± 25.75
600
400
200
0
−200
−400
−600
−800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −270.6
Std Dev 0
3
2
1
0
−1
−2
−3

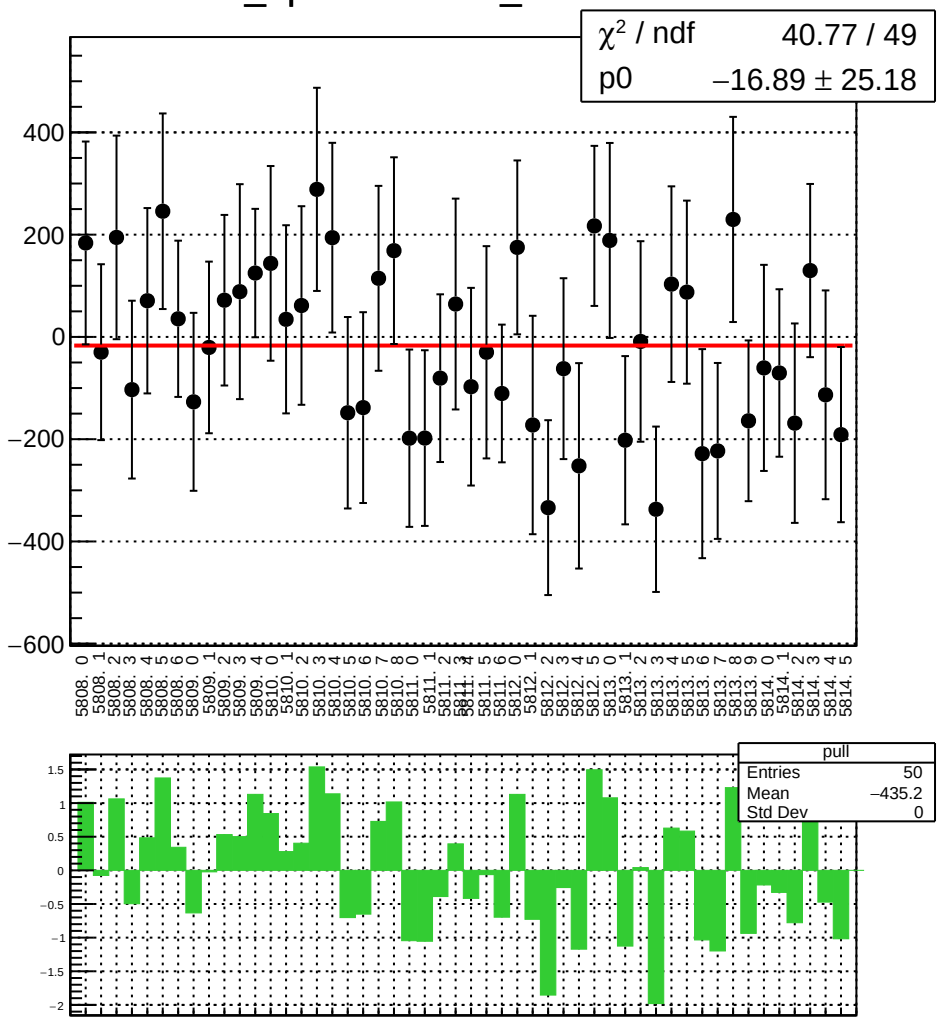

pull1D
Entries 50
Mean 0.01521
Std Dev 1.089
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

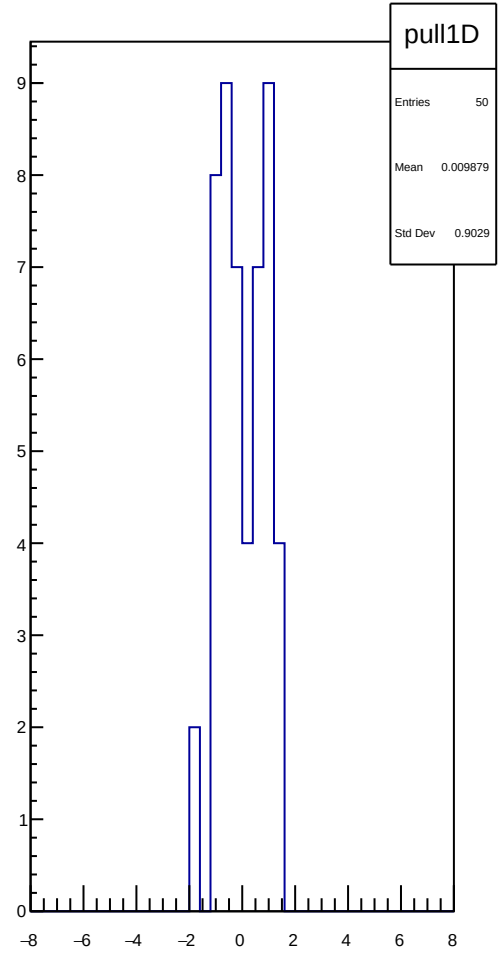

diff_bpm4aesumX_rms vs run
χ² / ndf 4346 / 49
p0 1.773e+04 ± 18.21
20000
19000
18000
17000
16000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

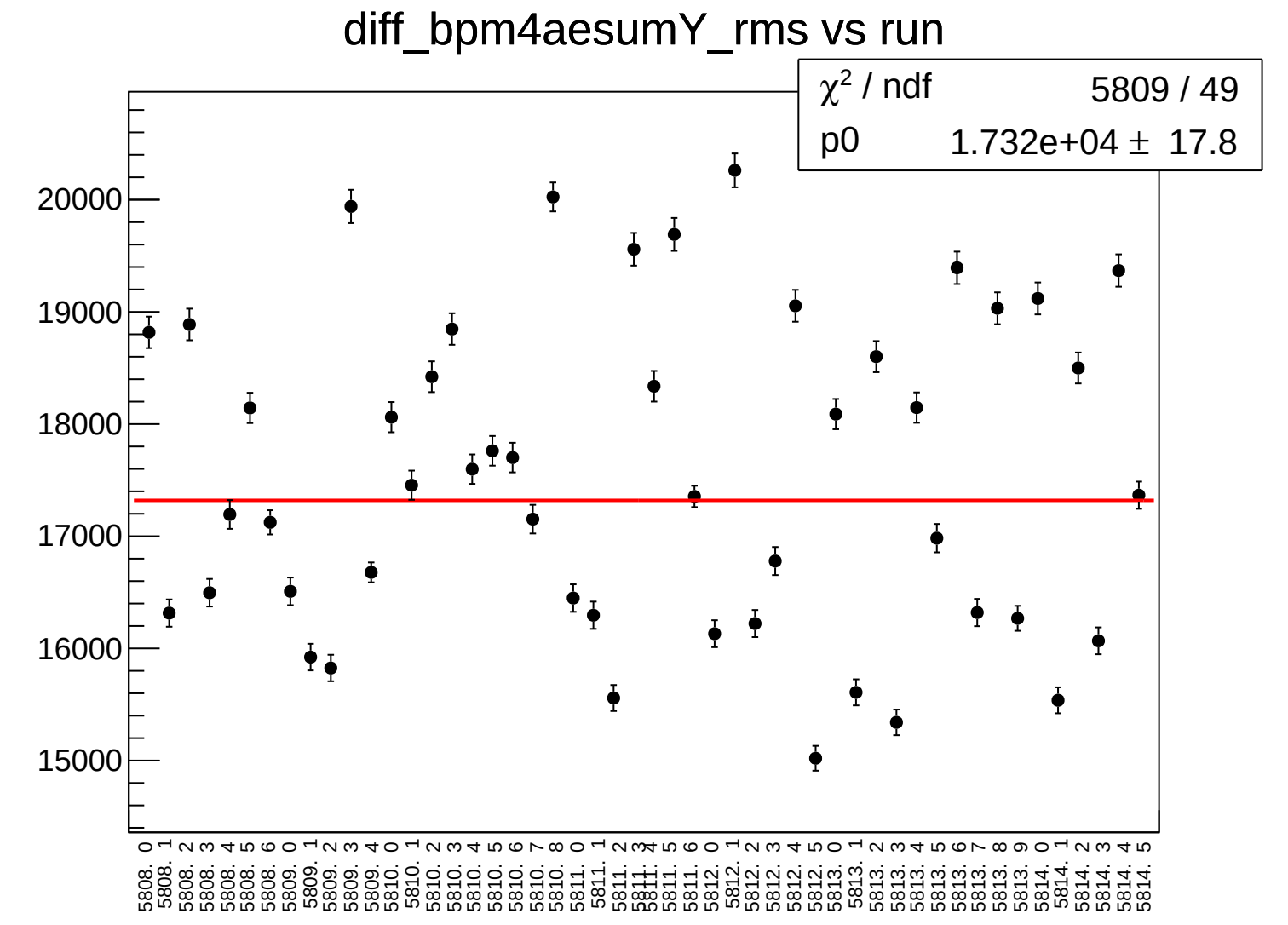

diff_bpm4aediffX_mean vs run
χ² / ndf 59.65 / 49
p0 43.67 ± 19.56
pull
Entries 50
Mean −271.1
Std Dev 0

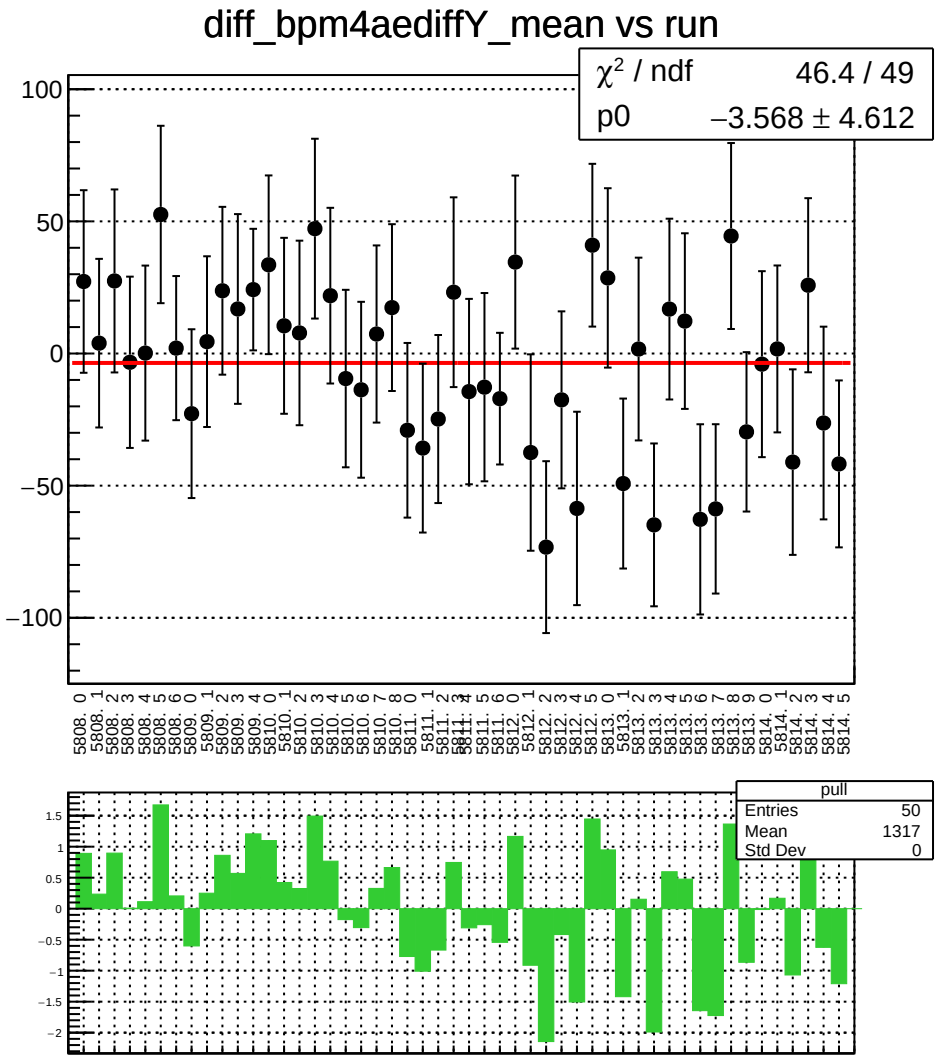

pull1D
Entries 50
Mean −0.01551
Std Dev 1.092

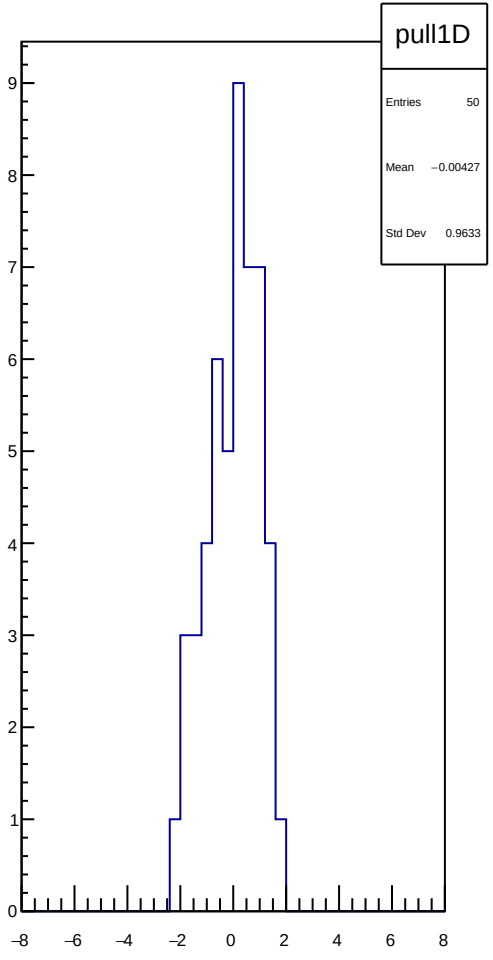

diff_bpm4aediffX_rms vs run
χ² / ndf 4324 / 49
p0 1.347e+04 ± 13.83
15500
15000
14500
14000
13500
13000
12500
12000
11500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

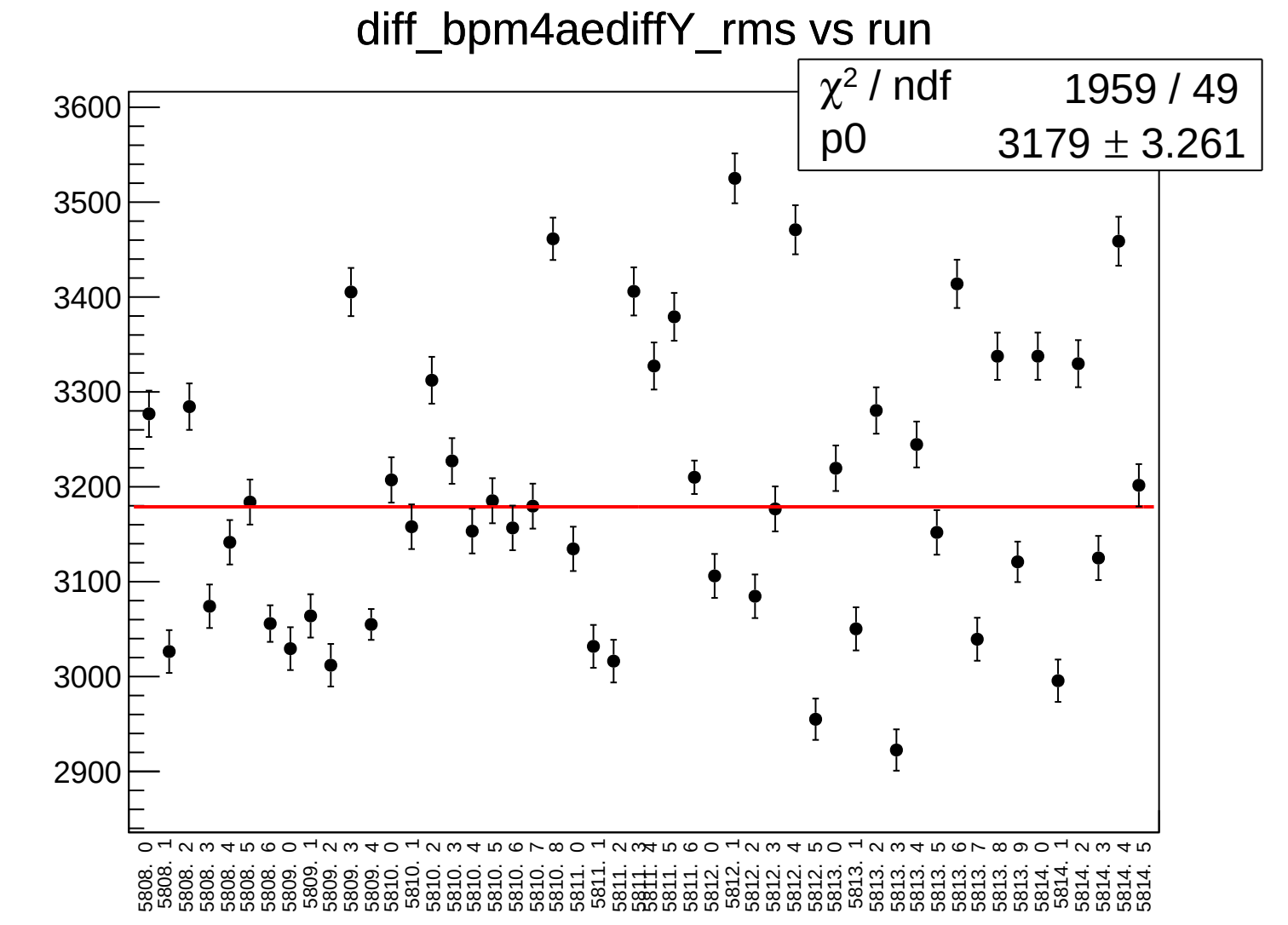

diff_bpm4aesumY_mean vs run
χ² / ndf 40.77 / 49
p0 −16.89 ± 25.18
pull
Entries 50
Mean −435.2
Std Dev 0

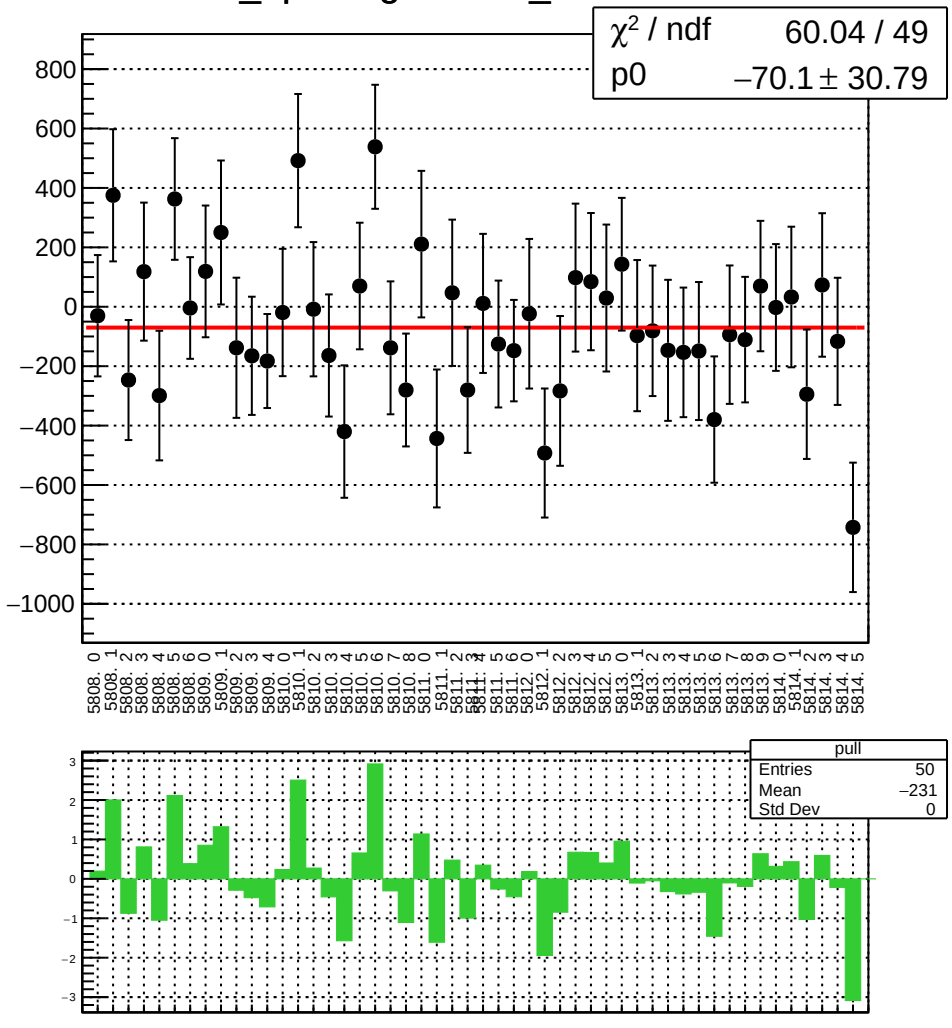

pull1D
Entries 50
Mean 0.009879
Std Dev 0.9029

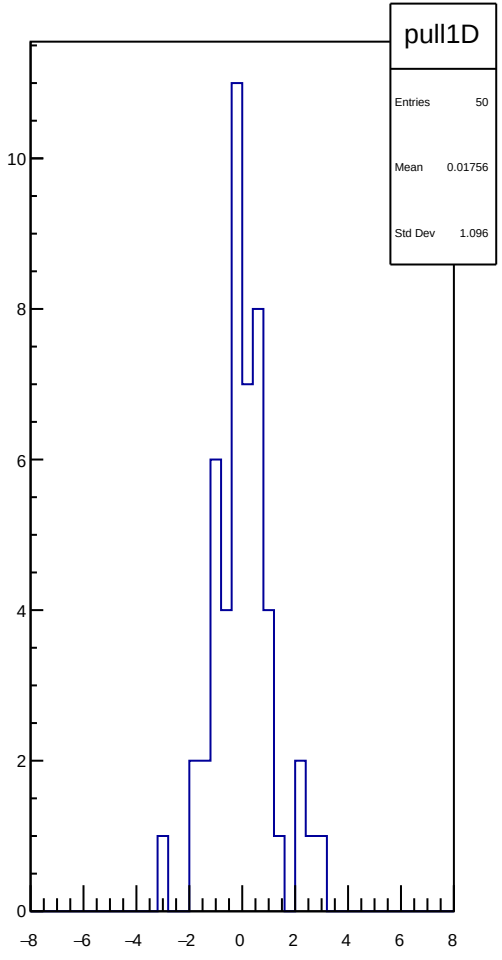

diff_bpm4aesumY_rms vs run
χ² / ndf 5809 / 49
p0 1.732e+04 ± 17.8
20000
19000
18000
17000
16000
15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

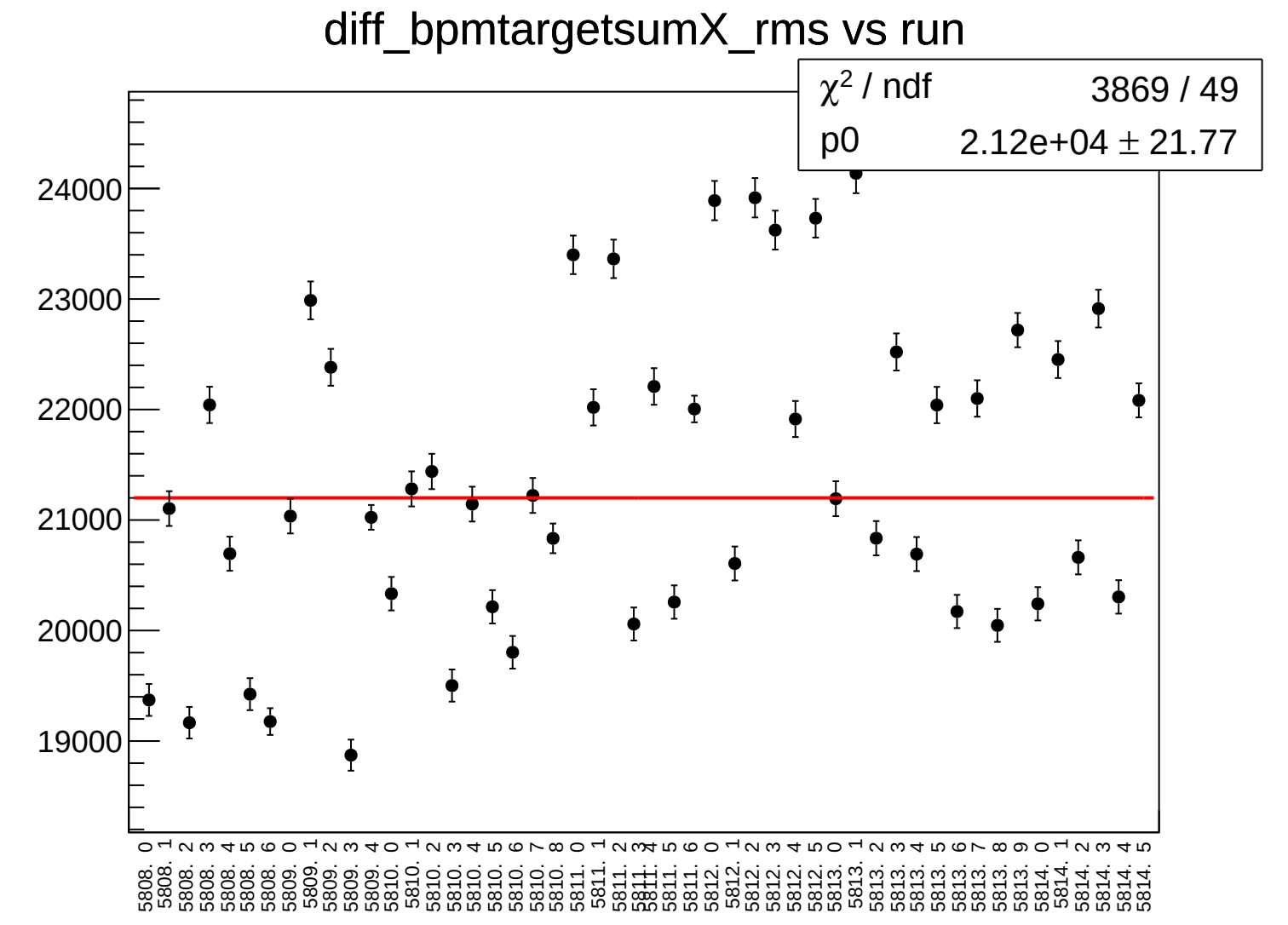

diff_bpm4aediffY_mean vs run
χ² / ndf 46.4 / 49
p0 −3.568 ± 4.612
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1317
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

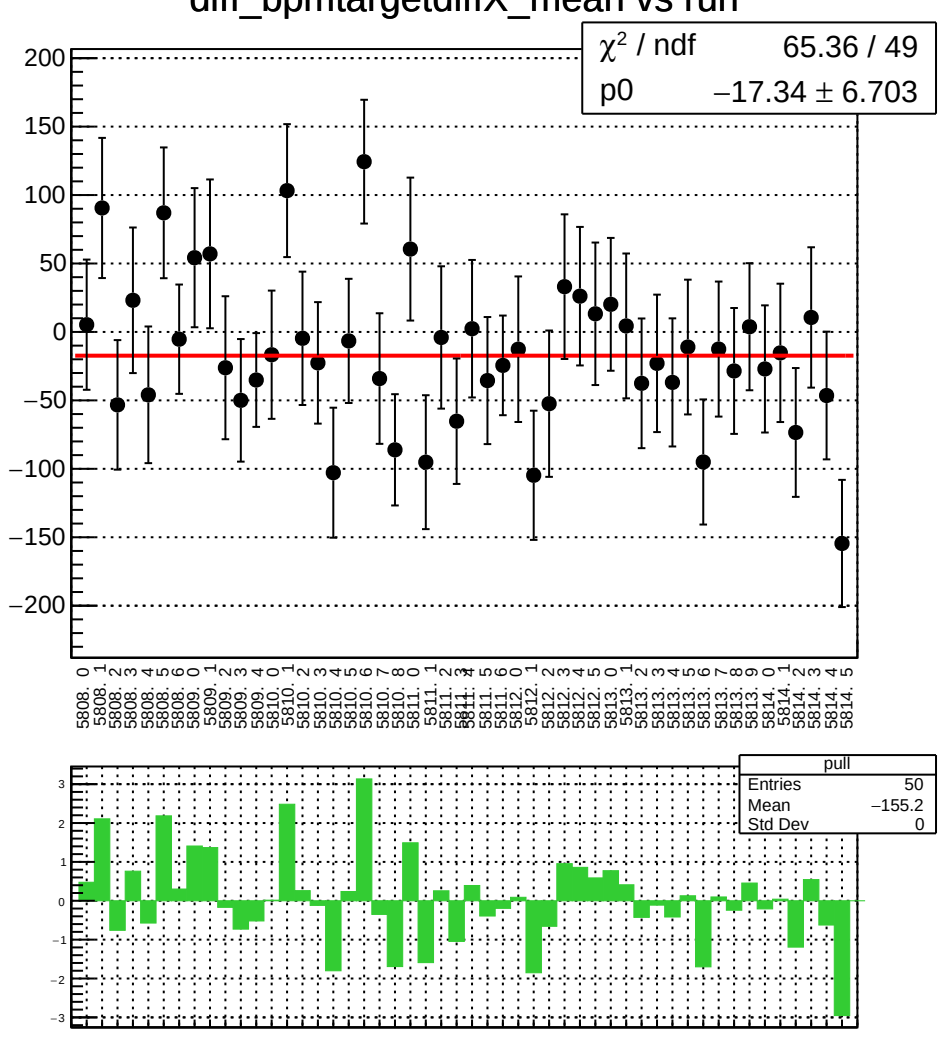

pull1D
Entries 50
Mean −0.00427
Std Dev 0.9633
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

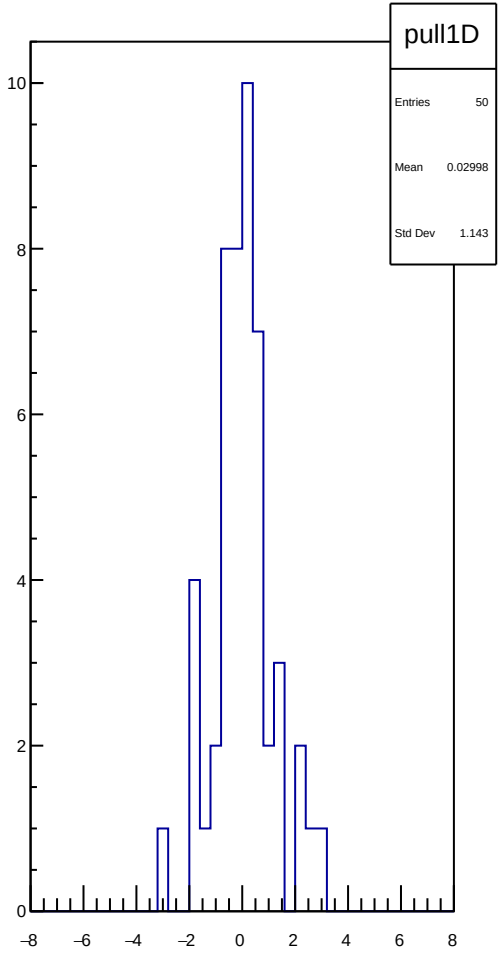

diff_bpm4aediffY_rms vs run
χ² / ndf 1959 / 49
p0 3179 ± 3.261
3600
3500
3400
3300
3200
3100
3000
2900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

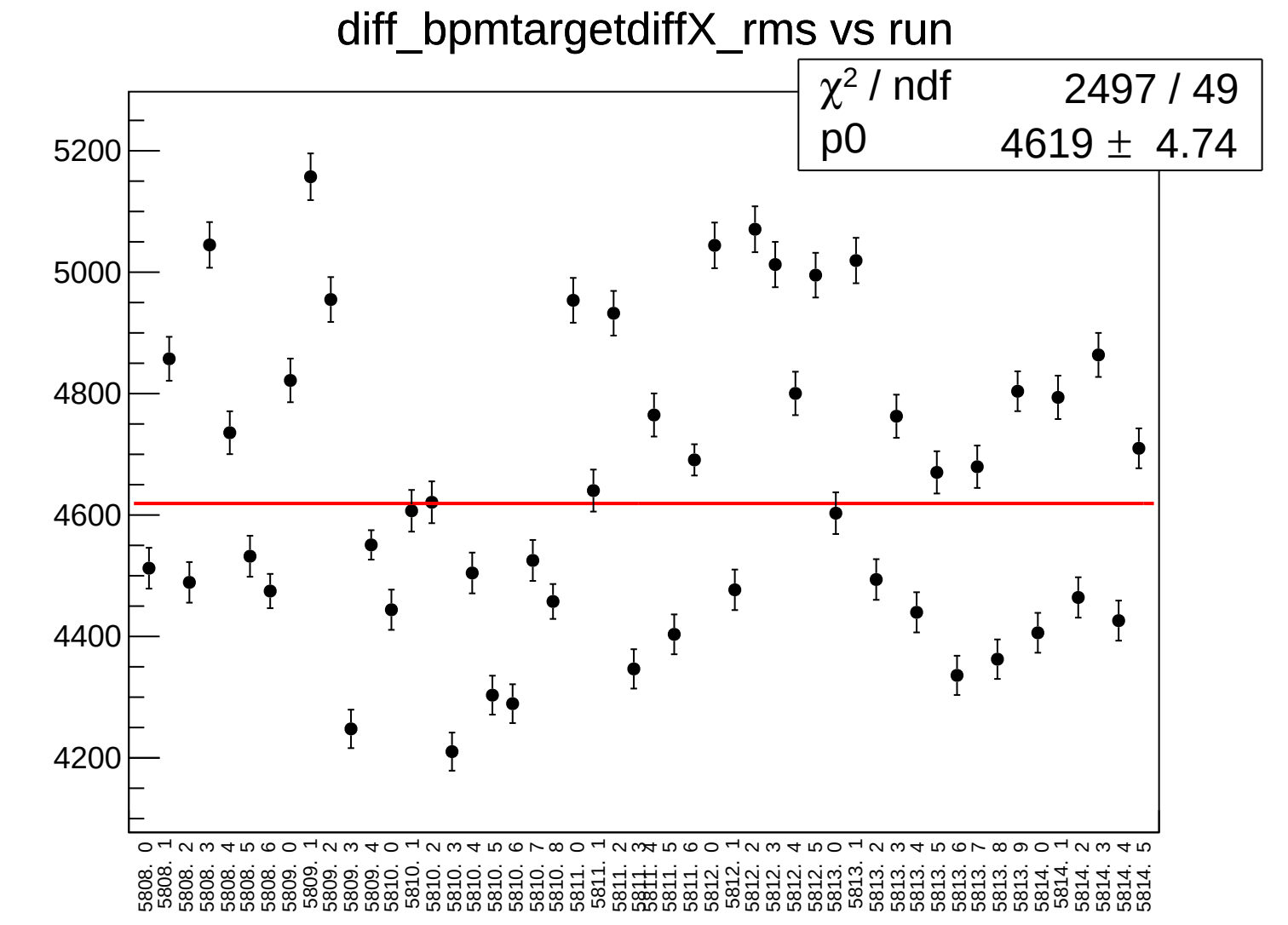

diff_bpmtargetsumX_mean vs run
χ² / ndf 60.04 / 49
p0 −70.1 ± 30.79
pull
Entries 50
Mean −231
Std Dev 0

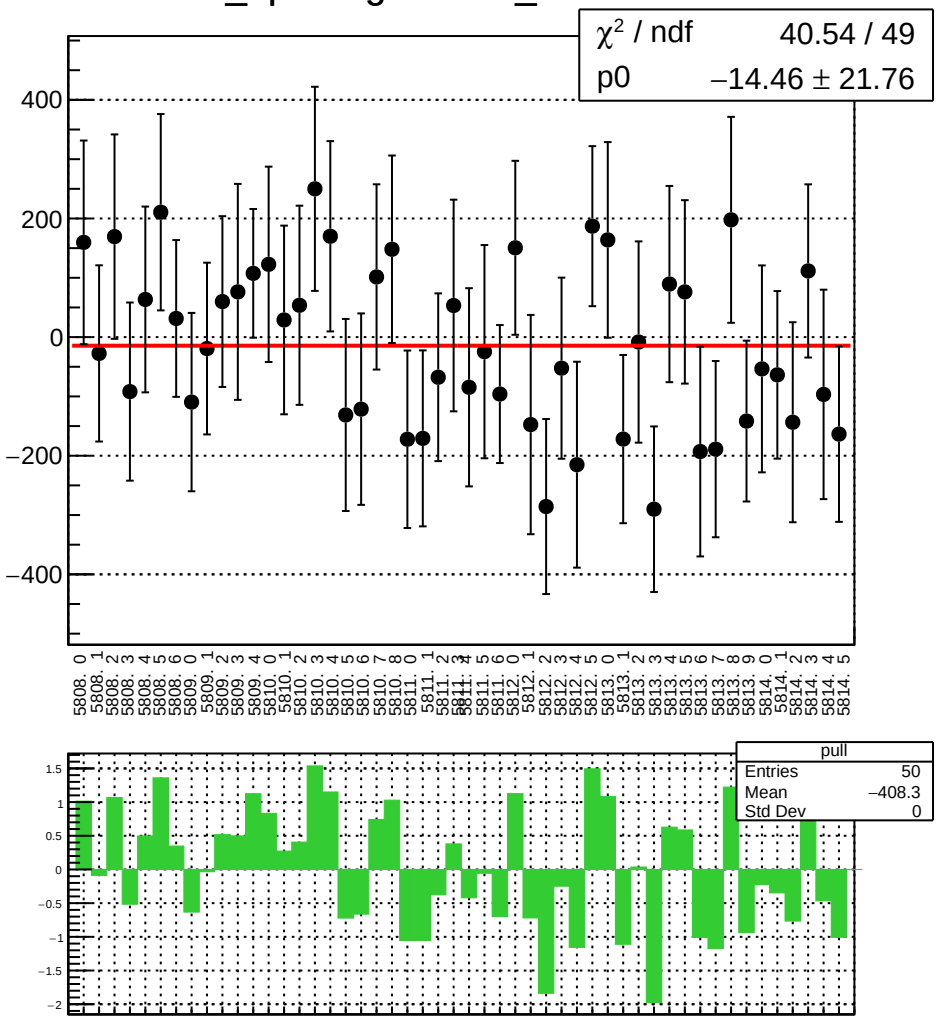

pull1D
Entries 50
Mean 0.01756
Std Dev 1.096

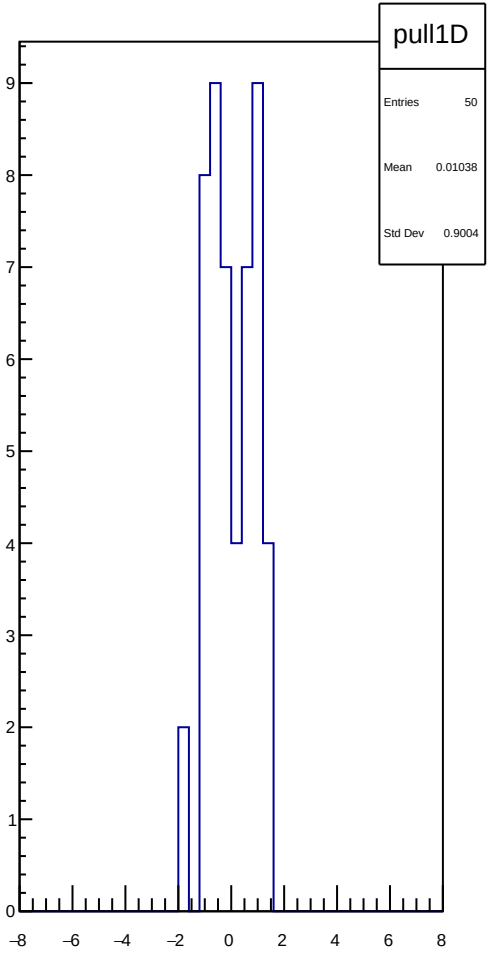

diff_bpmtargetsumX_rms vs run
χ² / ndf 3869 / 49
p0 2.12e+04 ± 21.77
24000
23000
22000
21000
20000
19000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

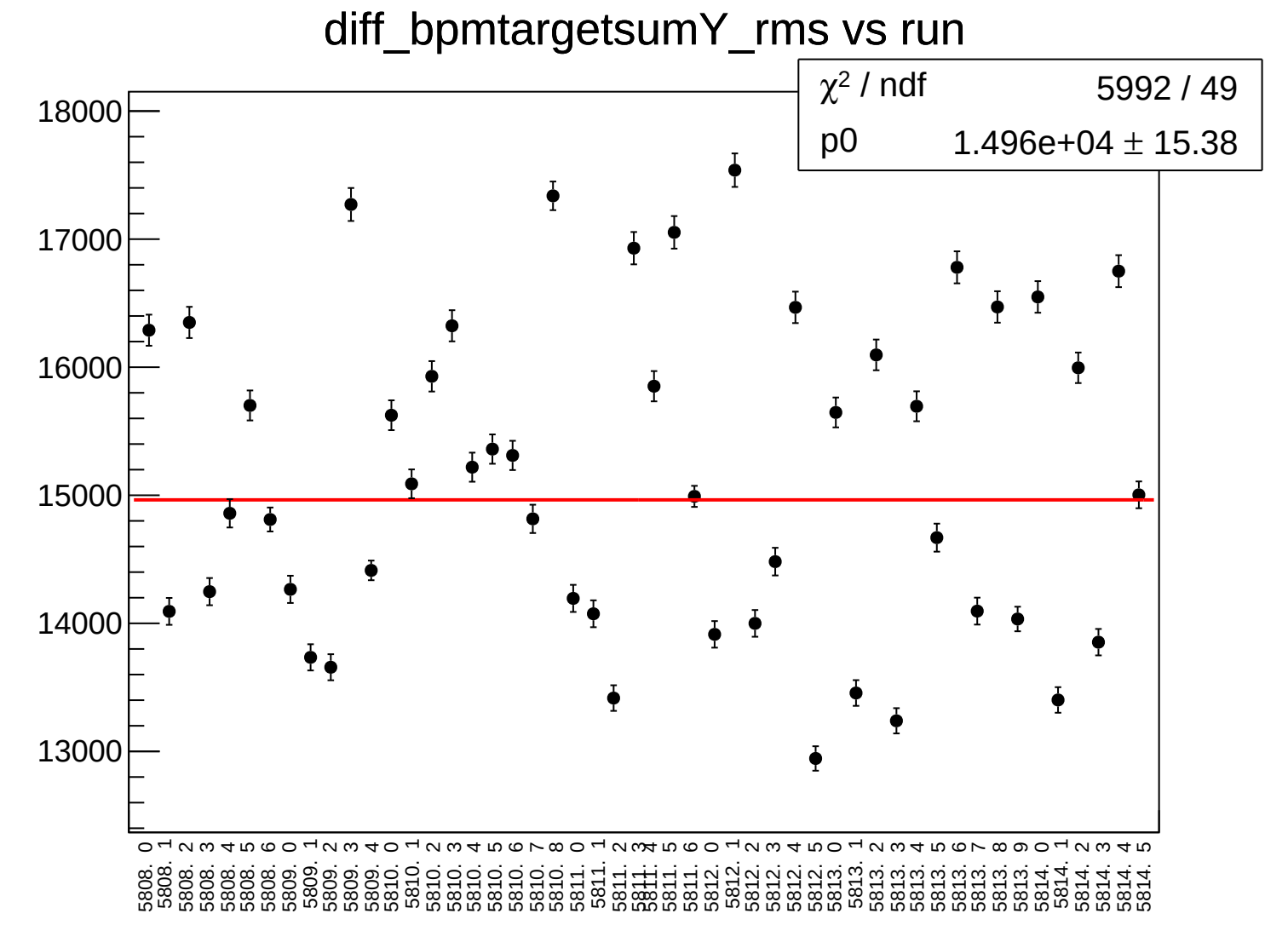

diff_bpmtargetdiffX_mean vs run
χ² / ndf 65.36 / 49
p0 −17.34 ± 6.703
pull
Entries 50
Mean −155.2
Std Dev 0

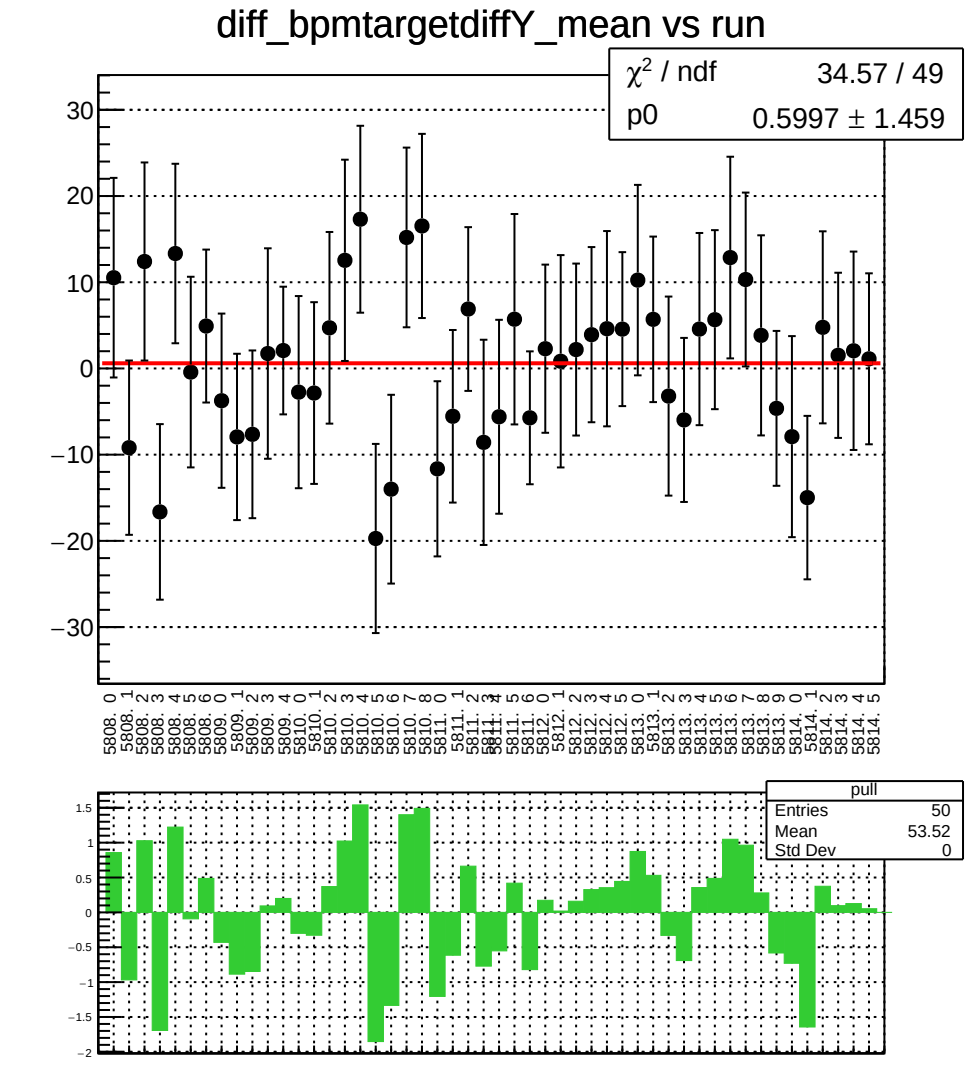

pull1D
Entries 50
Mean 0.02998
Std Dev 1.143

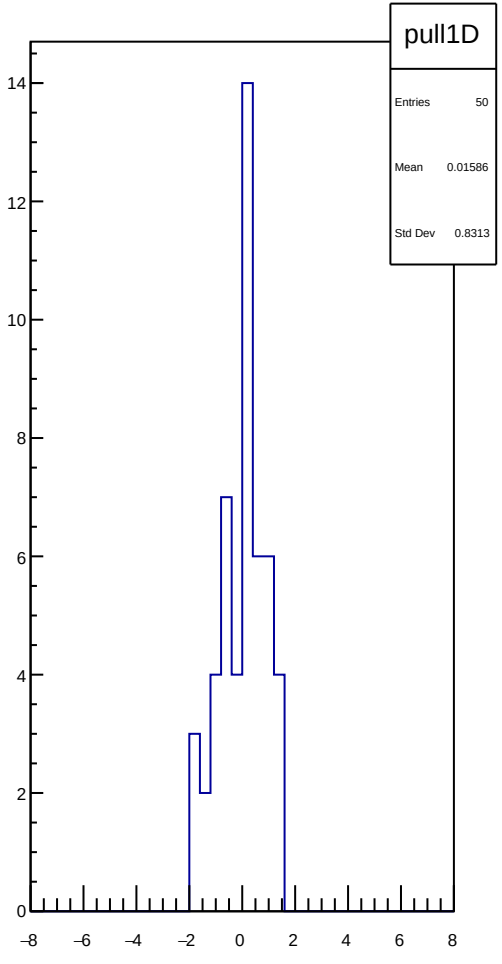

diff_bpmtargetdiffX_rms vs run
χ² / ndf 2497 / 49
p0 4619 ± 4.74
5200
5000
4800
4600
4400
4200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

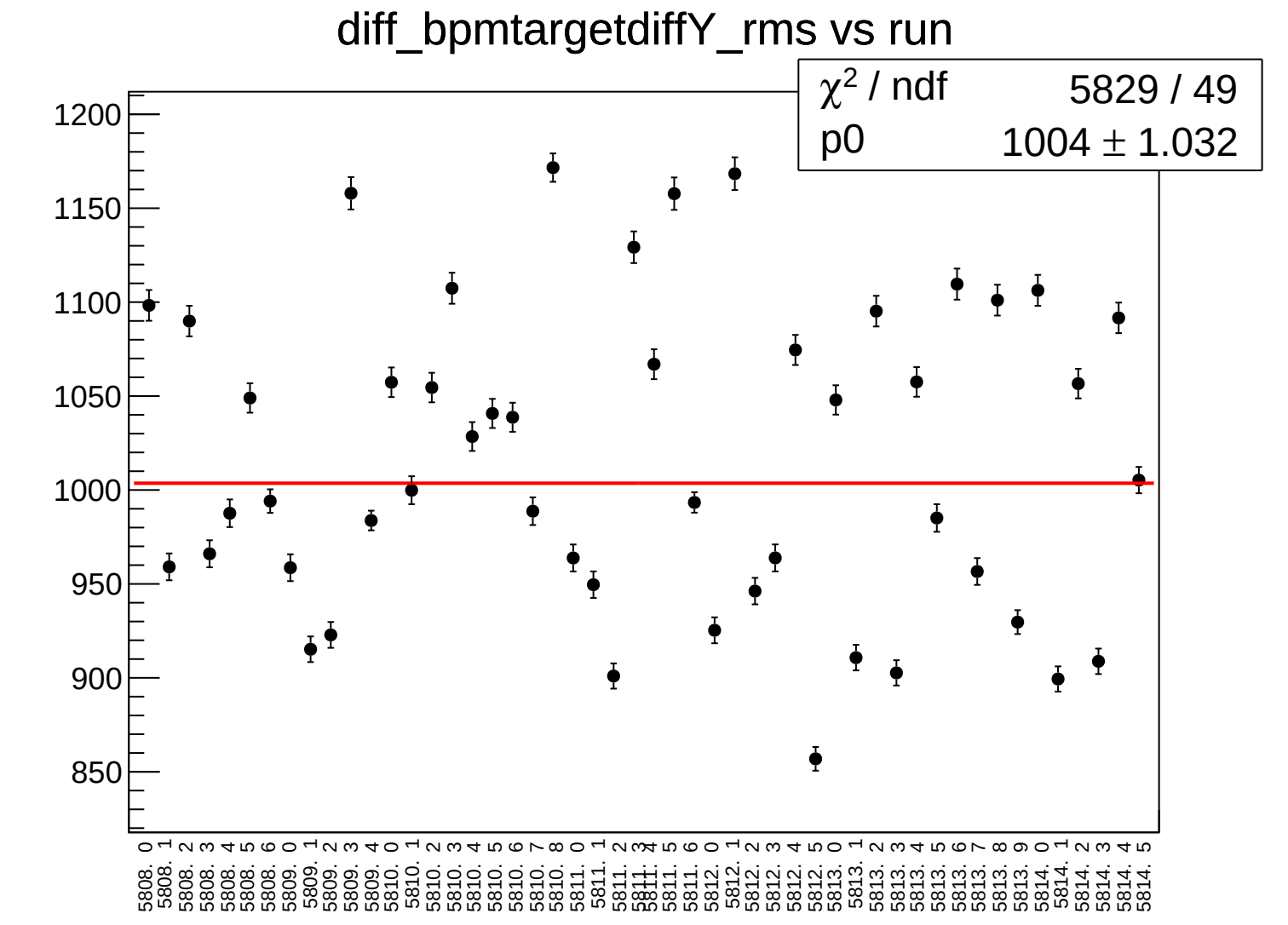

diff_bpmtargetsumY_mean vs run
χ² / ndf 40.54 / 49
p0 −14.46 ± 21.76
400
200
0
−200
−400
pull
Entries 50
Mean −408.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

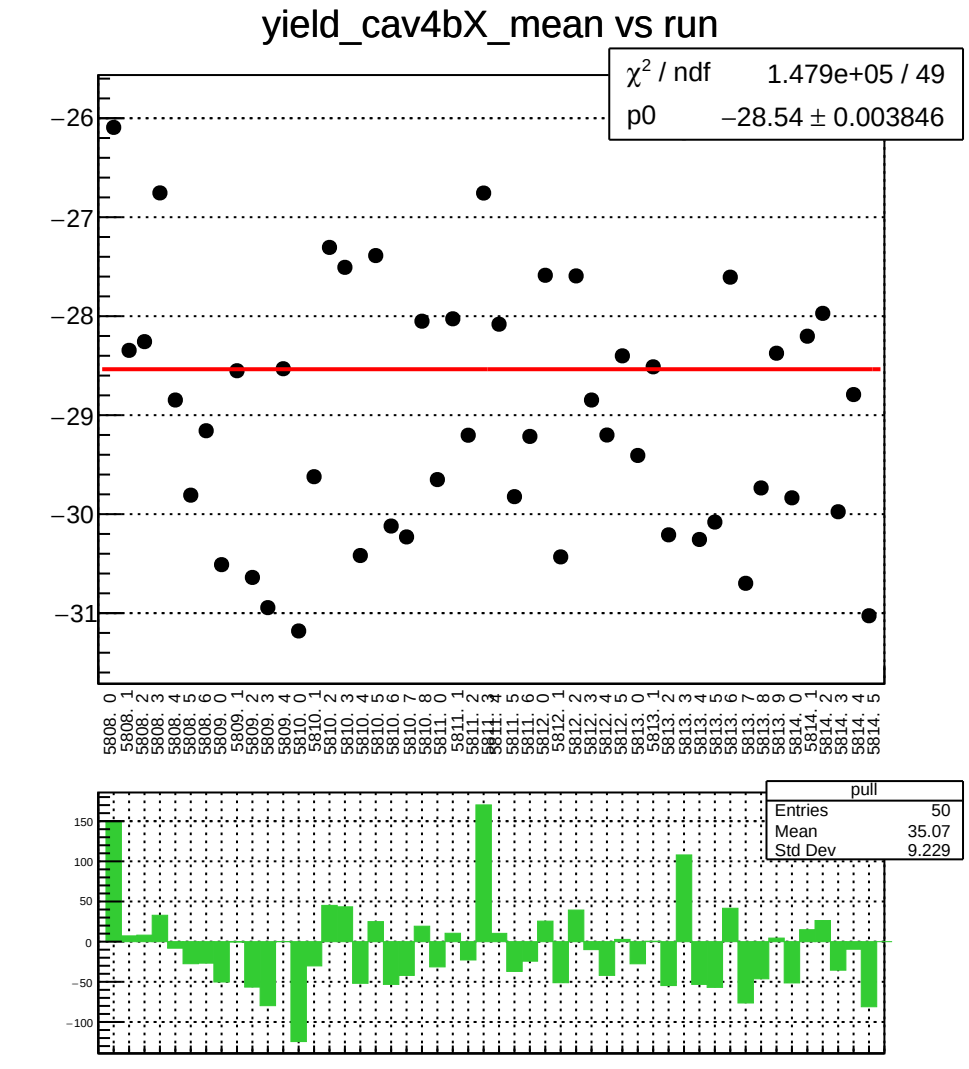

pull1D
Entries 50
Mean 0.01038
Std Dev 0.9004
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

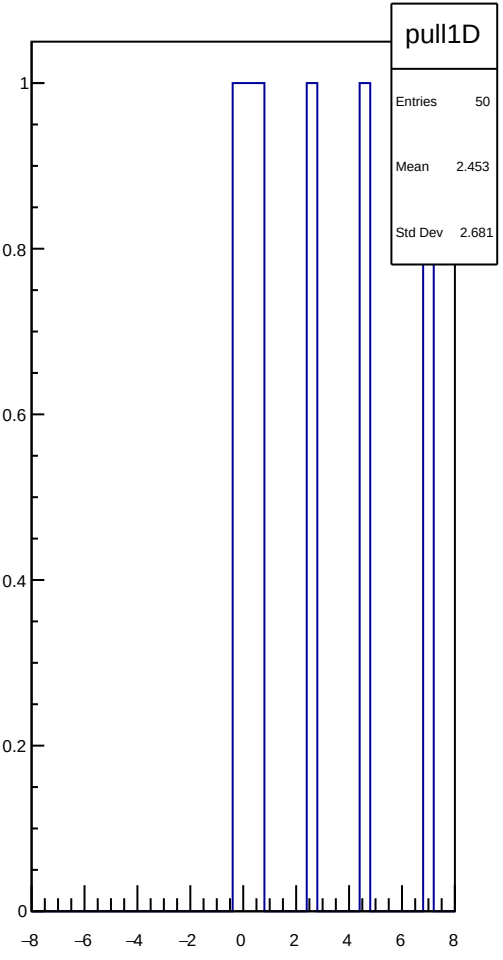

diff_bpmtargetsumY_rms vs run
χ² / ndf 5992 / 49
p0 1.496e+04 ± 15.38
18000
17000
16000
15000
14000
13000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

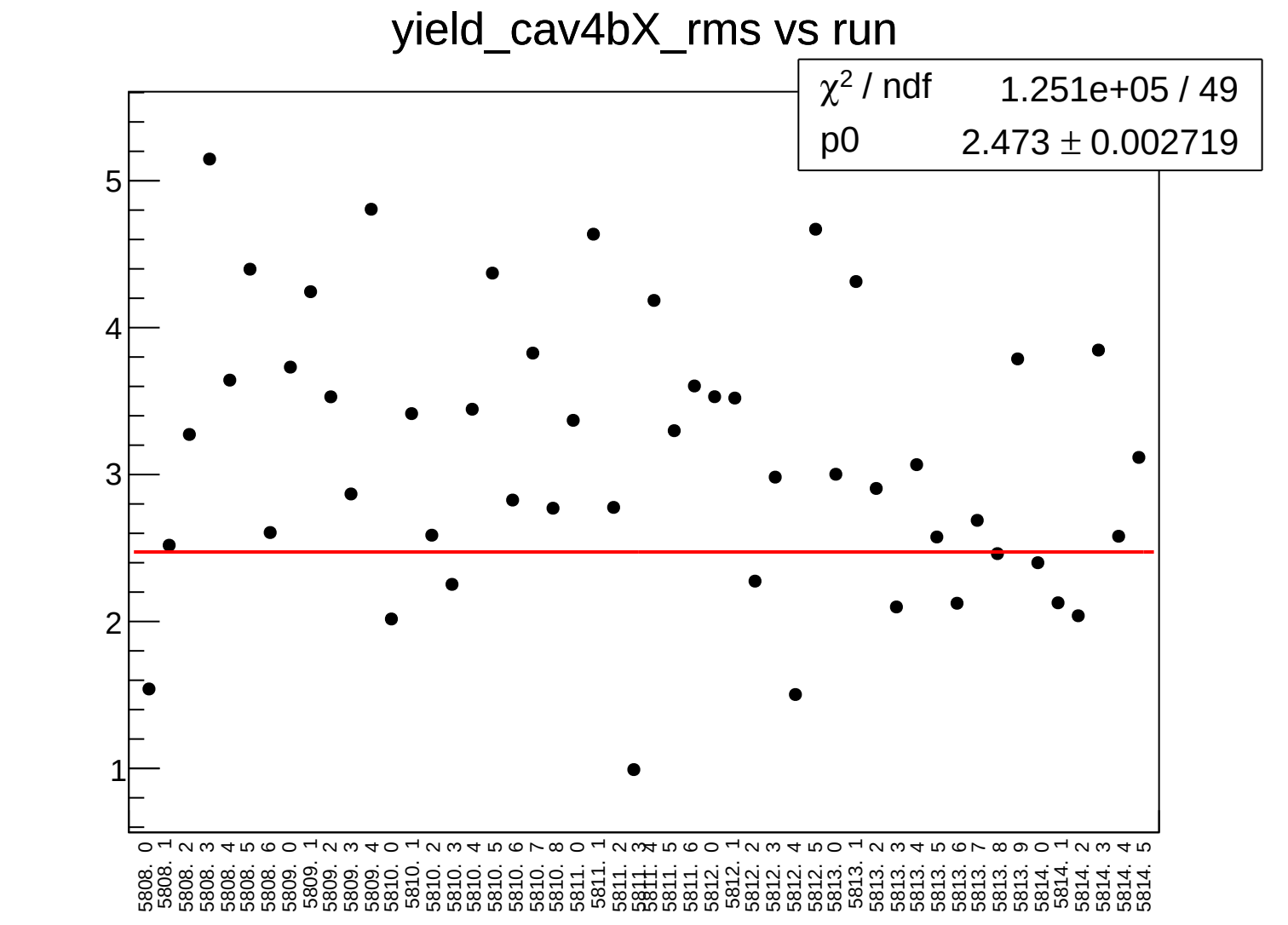

diff_bpmtargetdiffY_mean vs run
χ² / ndf 34.57 / 49
p0 0.5997 ± 1.459
pull
Entries 50
Mean 53.52
Std Dev 0

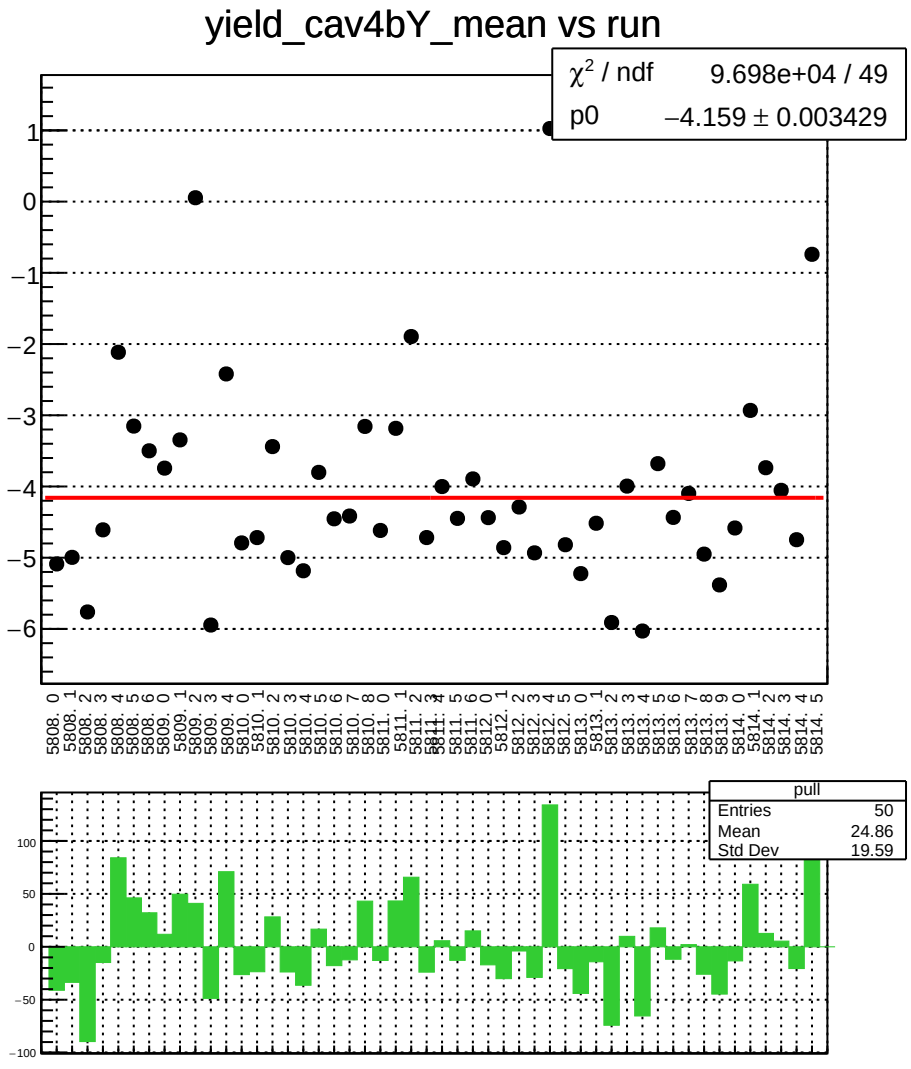

pull1D
Entries 50
Mean 0.01586
Std Dev 0.8313

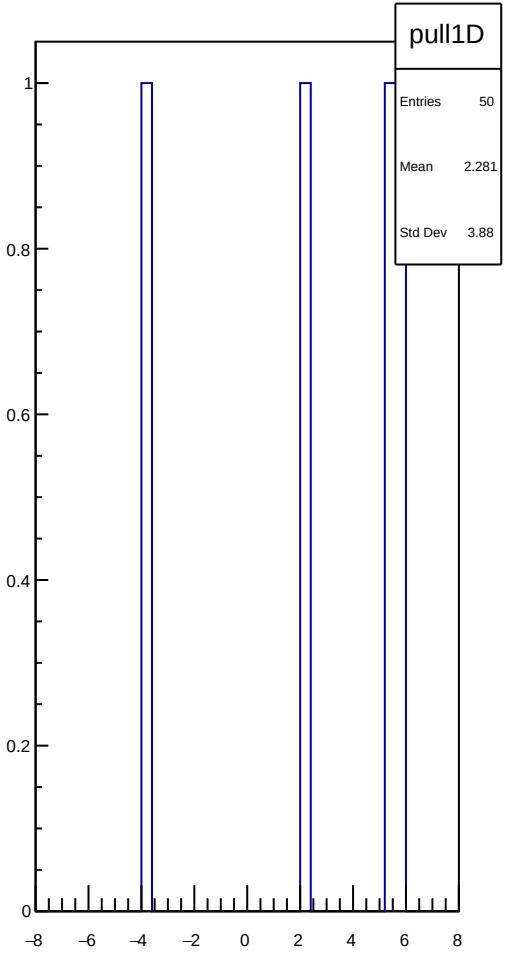

diff_bpmtargetdiffY_rms vs run
χ² / ndf 5829 / 49
p0 1004 ± 1.032
1200
1150
1100
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

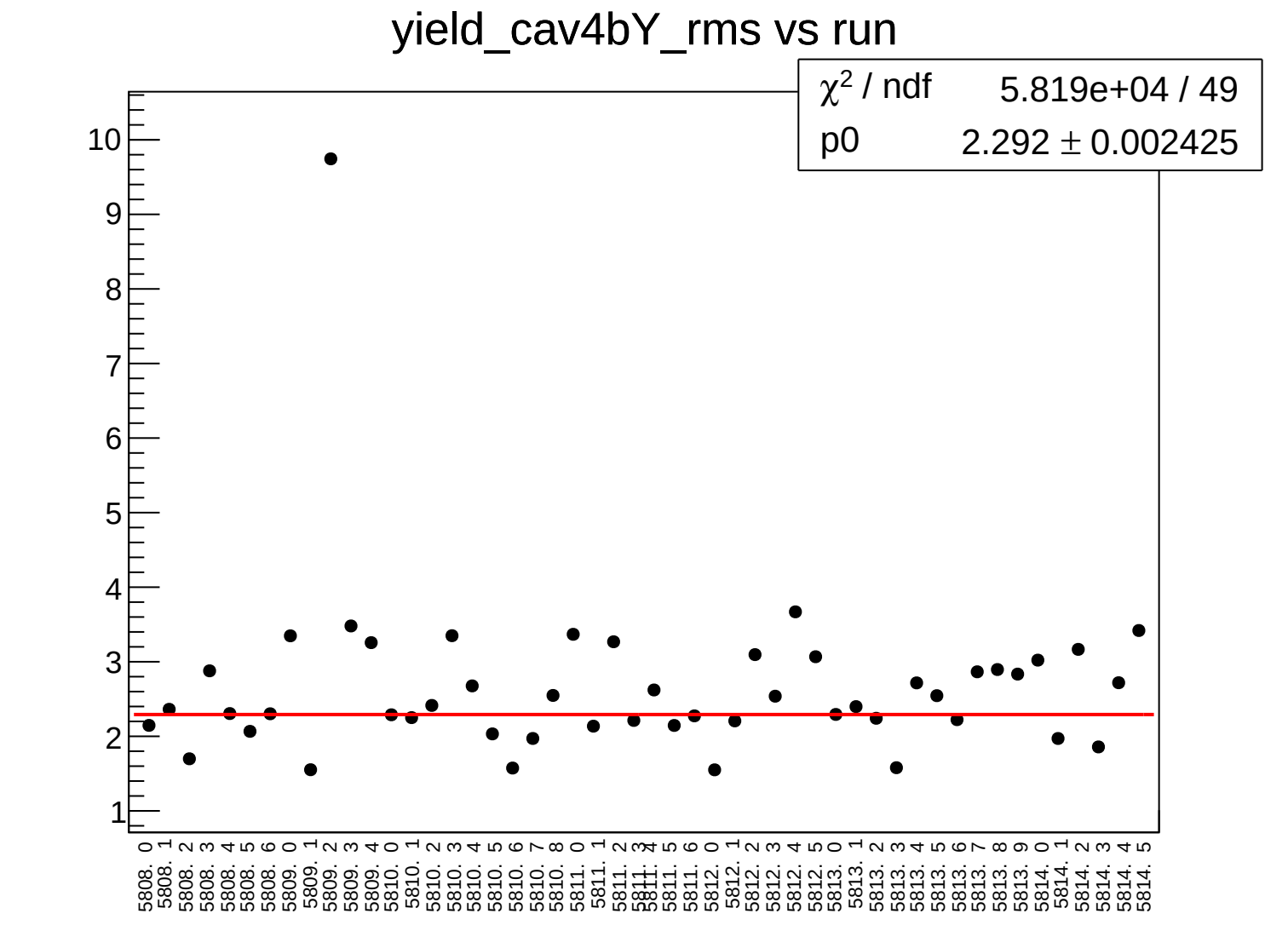

yield_cav4bX_mean vs run
χ² / ndf 1.479e+05 / 49
p0 −28.54 ± 0.003846
−26
−27
−28
−29
−30
−31
pull
Entries 50
Mean 35.07
Std Dev 9.229
150
100
50
0
−50
−100

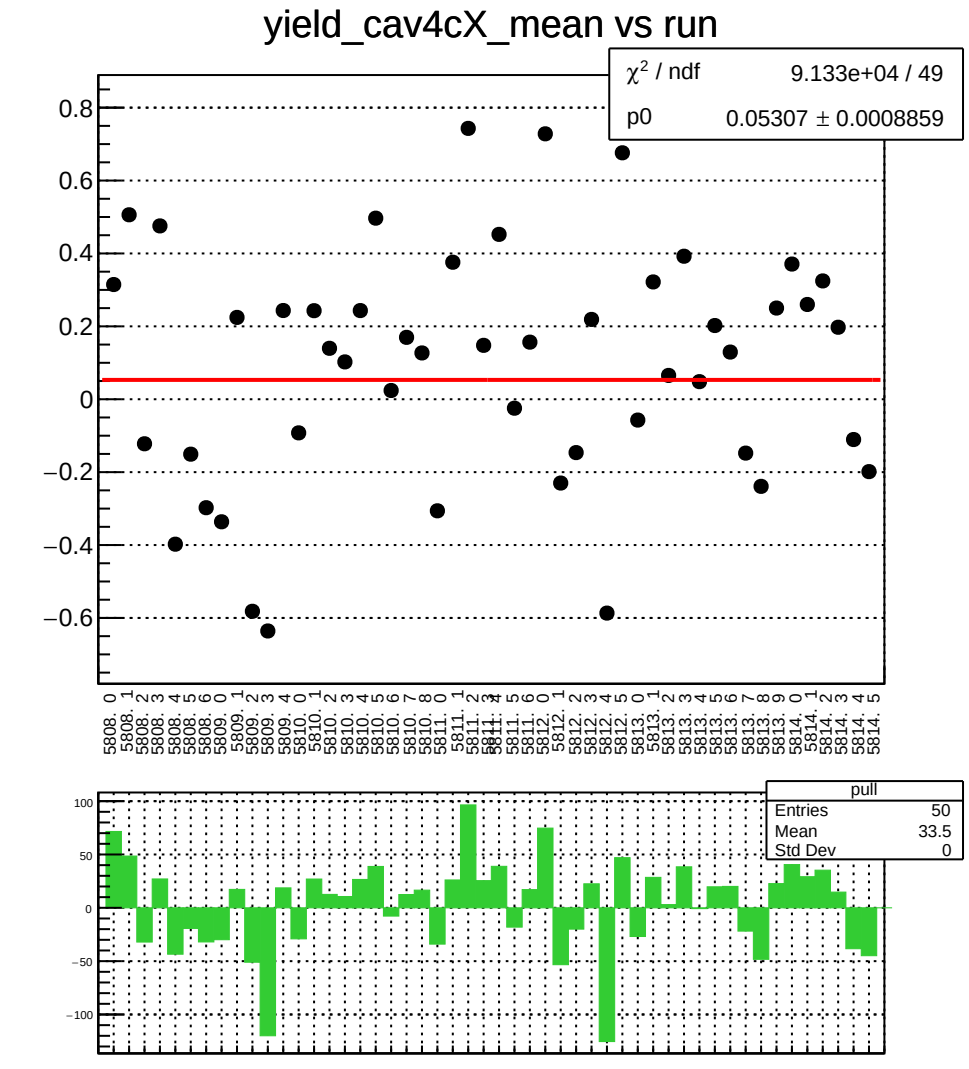

pull1D
Entries 50
Mean 2.453
Std Dev 2.681
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

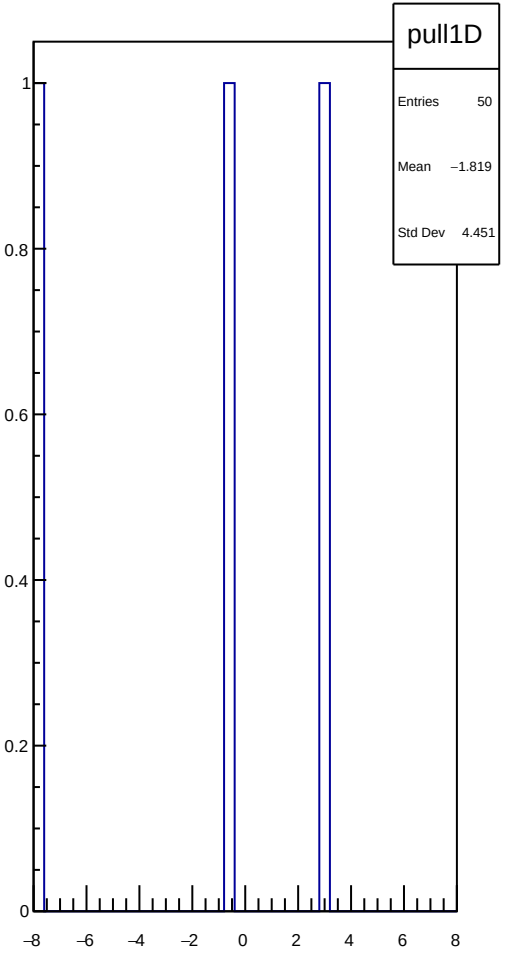

yield_cav4bX_rms vs run
χ^2 / ndf 1.251e+05 / 49
p0 2.473 ± 0.002719
5
4
3
2
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

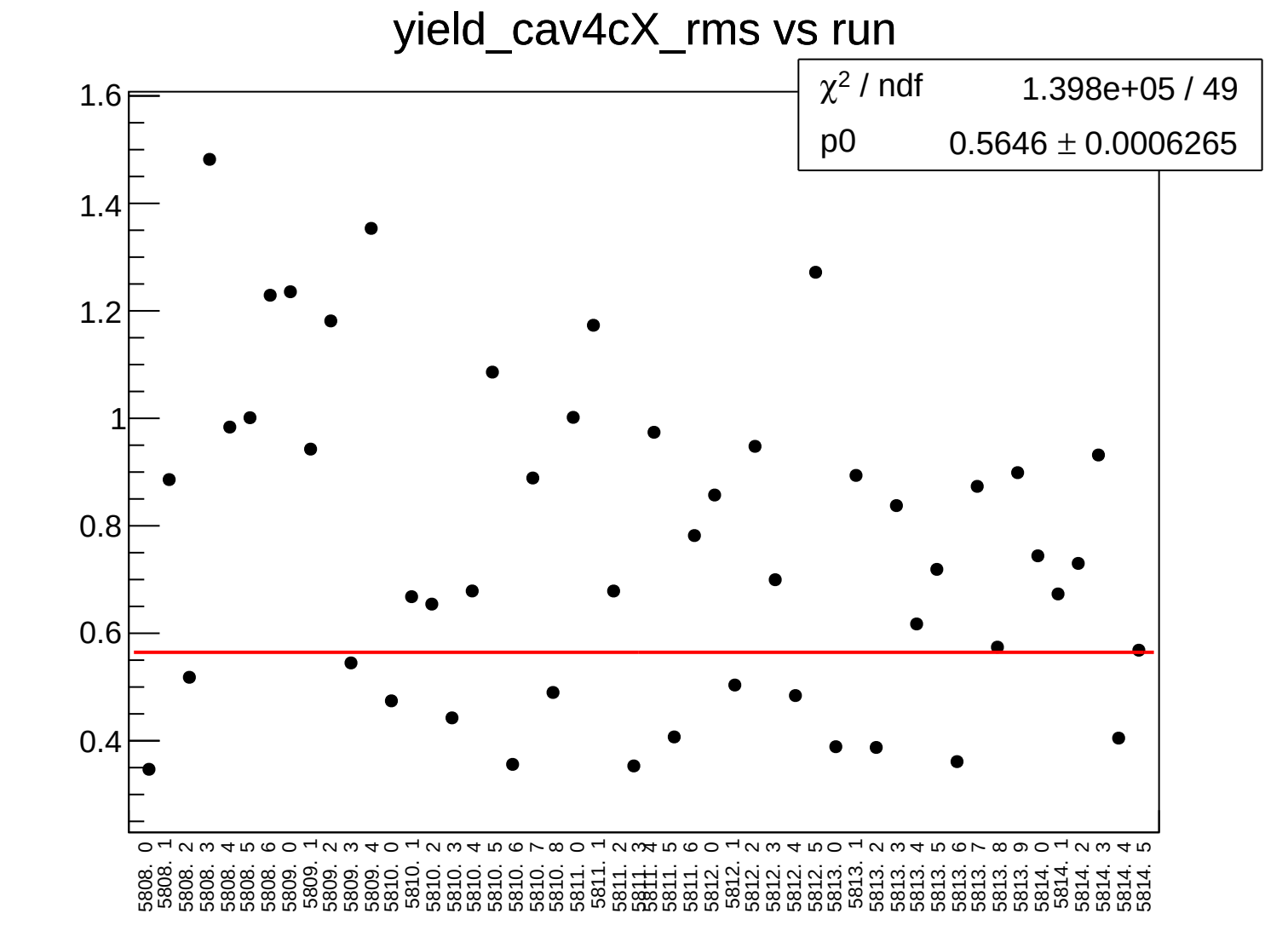

yield_cav4bY_mean vs run
χ² / ndf 9.698e+04 / 49
p0 −4.159 ± 0.003429
pull
Entries 50
Mean 24.86
Std Dev 19.59

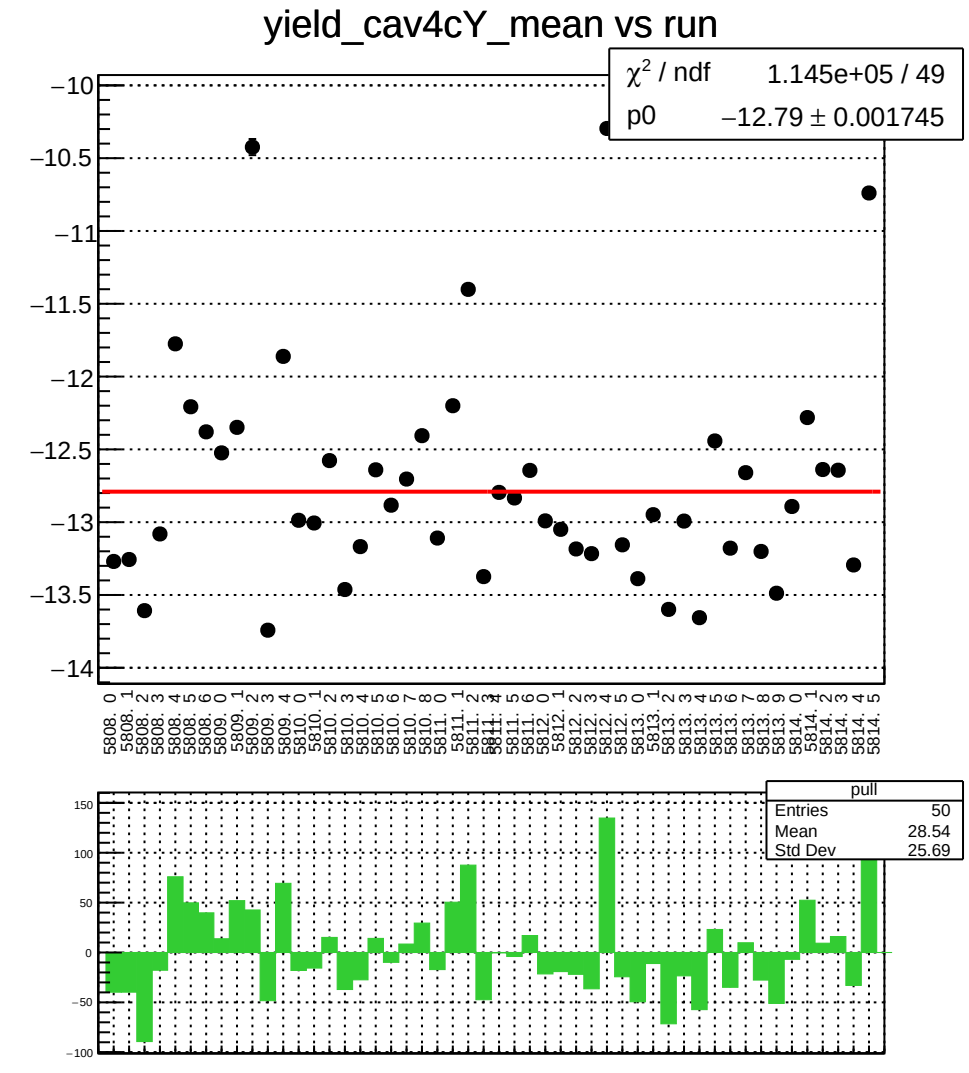

pull1D
Entries 50
Mean 2.281
Std Dev 3.88

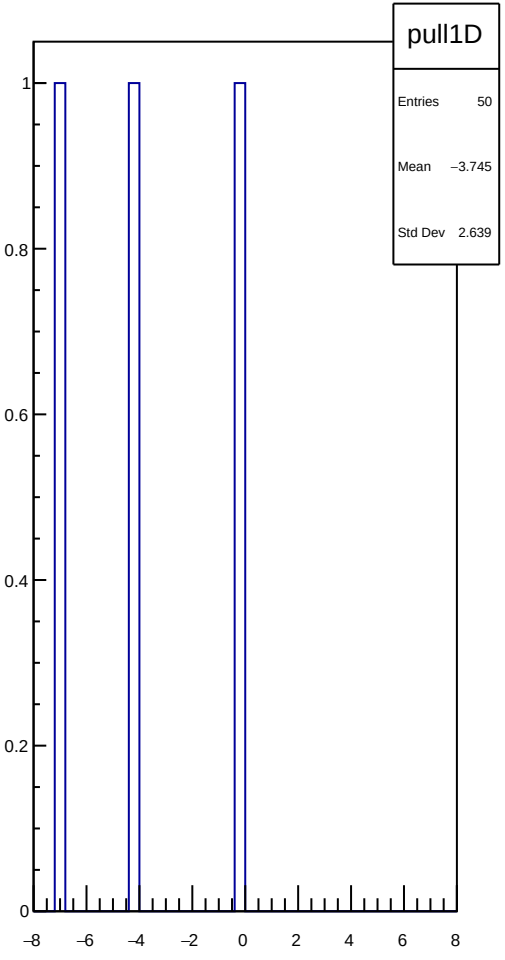

yield_cav4bY_rms vs run
χ^2 / ndf 5.819e+04 / 49
p0 2.292 ± 0.002425
10
9
8
7
6
5
4
3
2
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

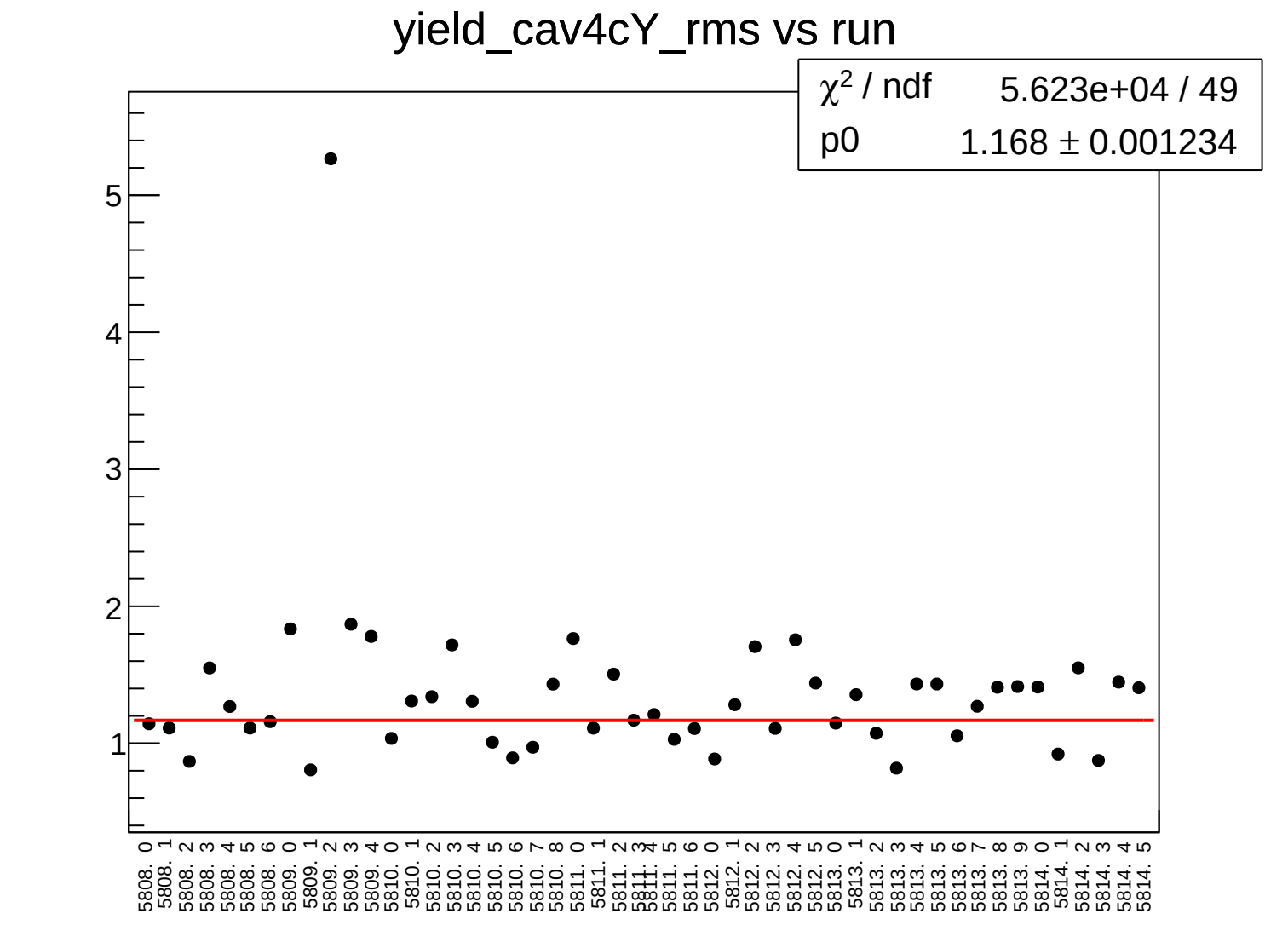

yield_cav4cX_mean vs run
χ² / ndf 9.133e+04 / 49
p0 0.05307 ± 0.0008859
pull
Entries 50
Mean 33.5
Std Dev 0

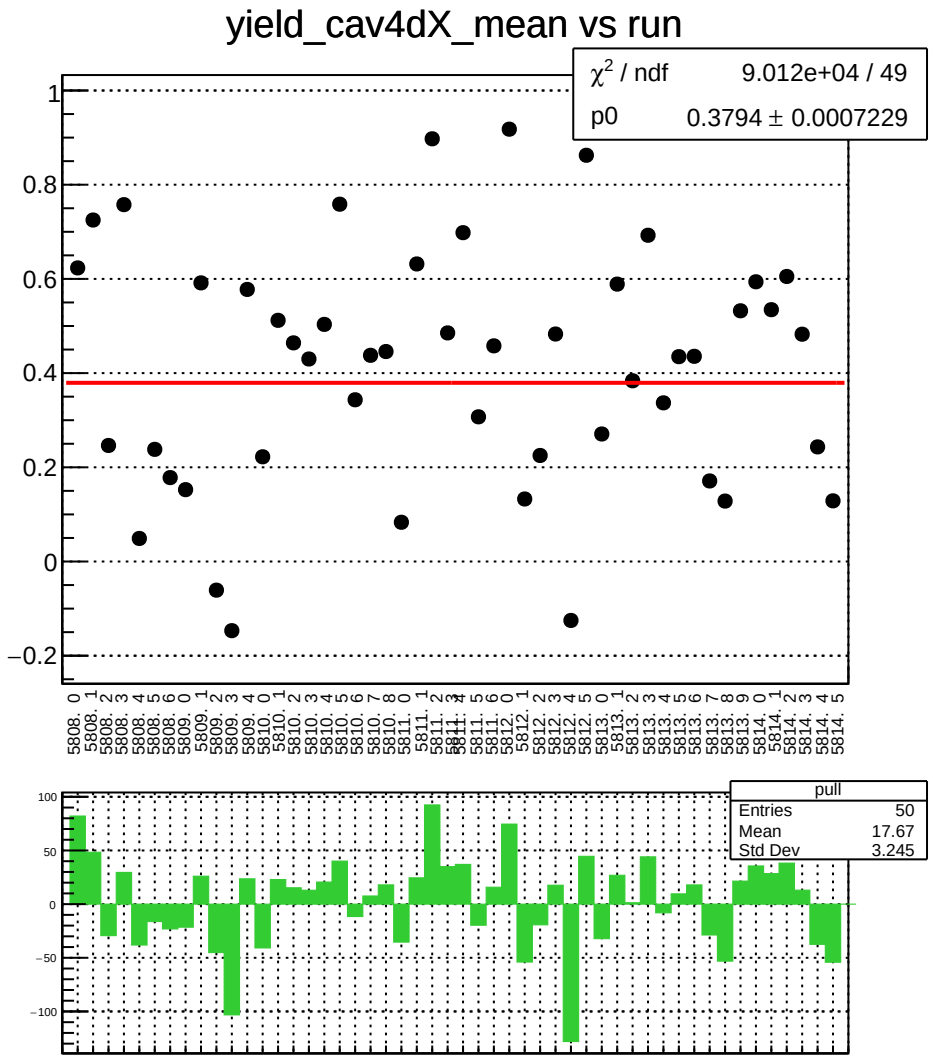

pull1D
Entries 50
Mean −1.819
Std Dev 4.451

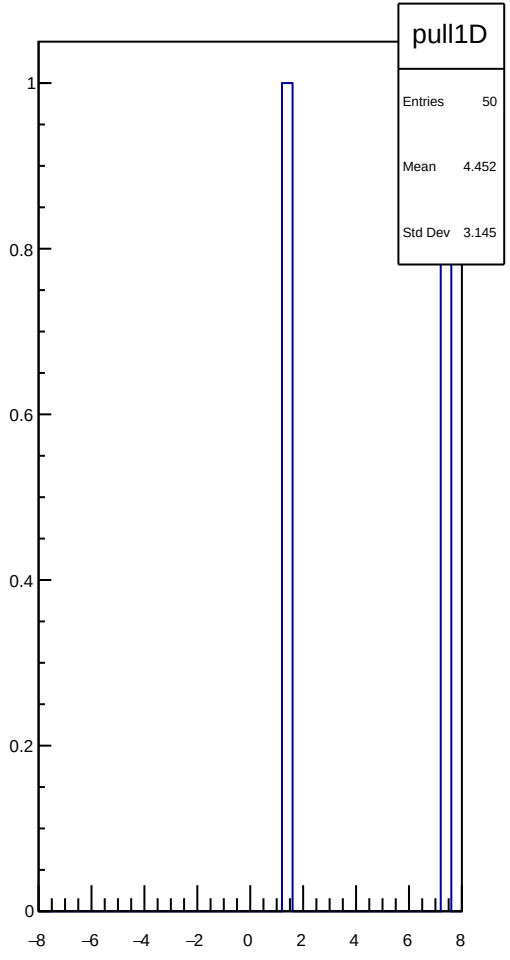

yield_cav4cX_rms vs run
χ² / ndf 1.398e+05 / 49
p0 0.5646 ± 0.0006265
1.6
1.4
1.2
1
0.8
0.6
0.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

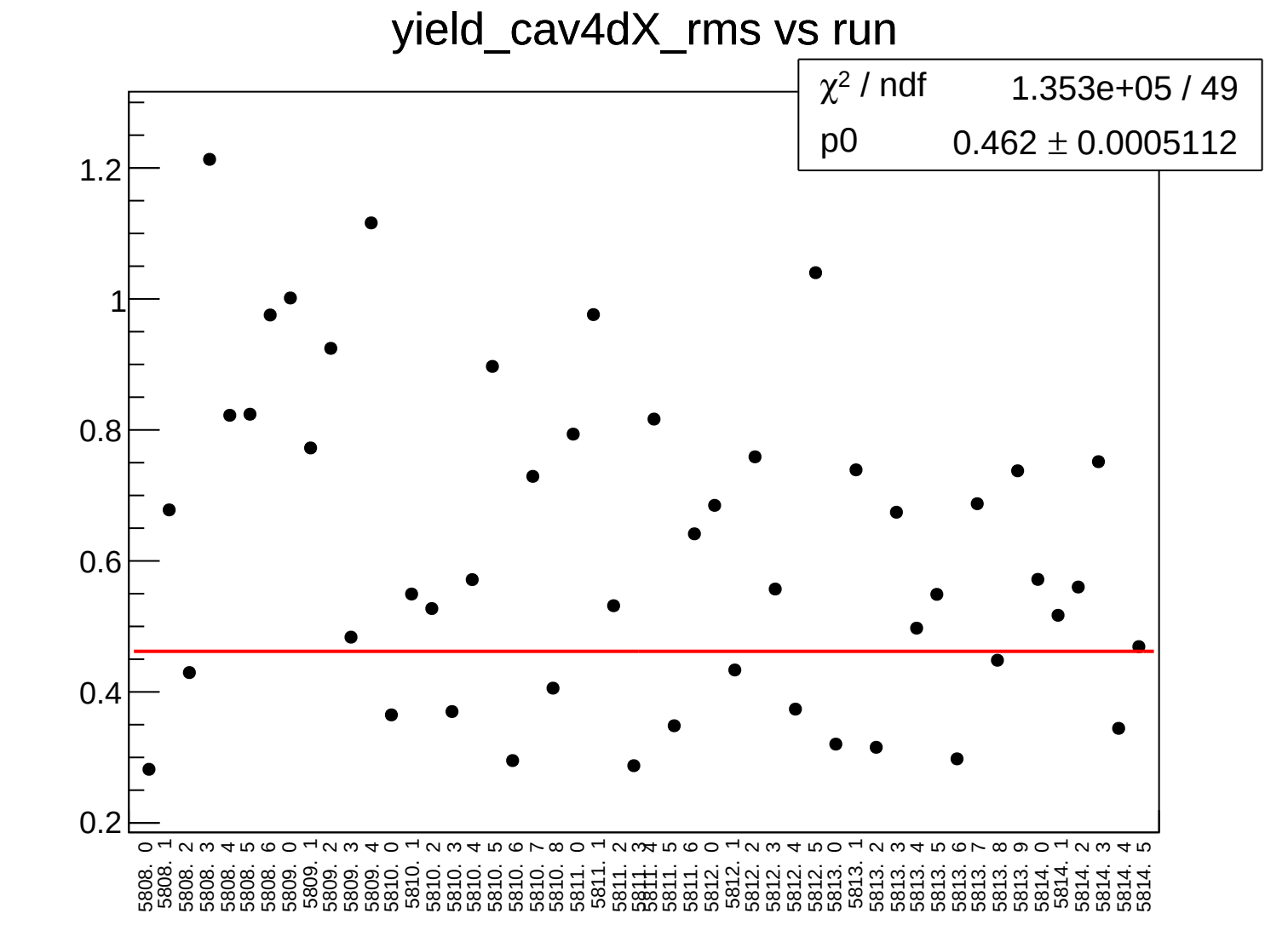

yield_cav4cY_mean vs run
χ² / ndf 1.145e+05 / 49
p0 −12.79 ± 0.001745
pull
Entries 50
Mean 28.54
Std Dev 25.69

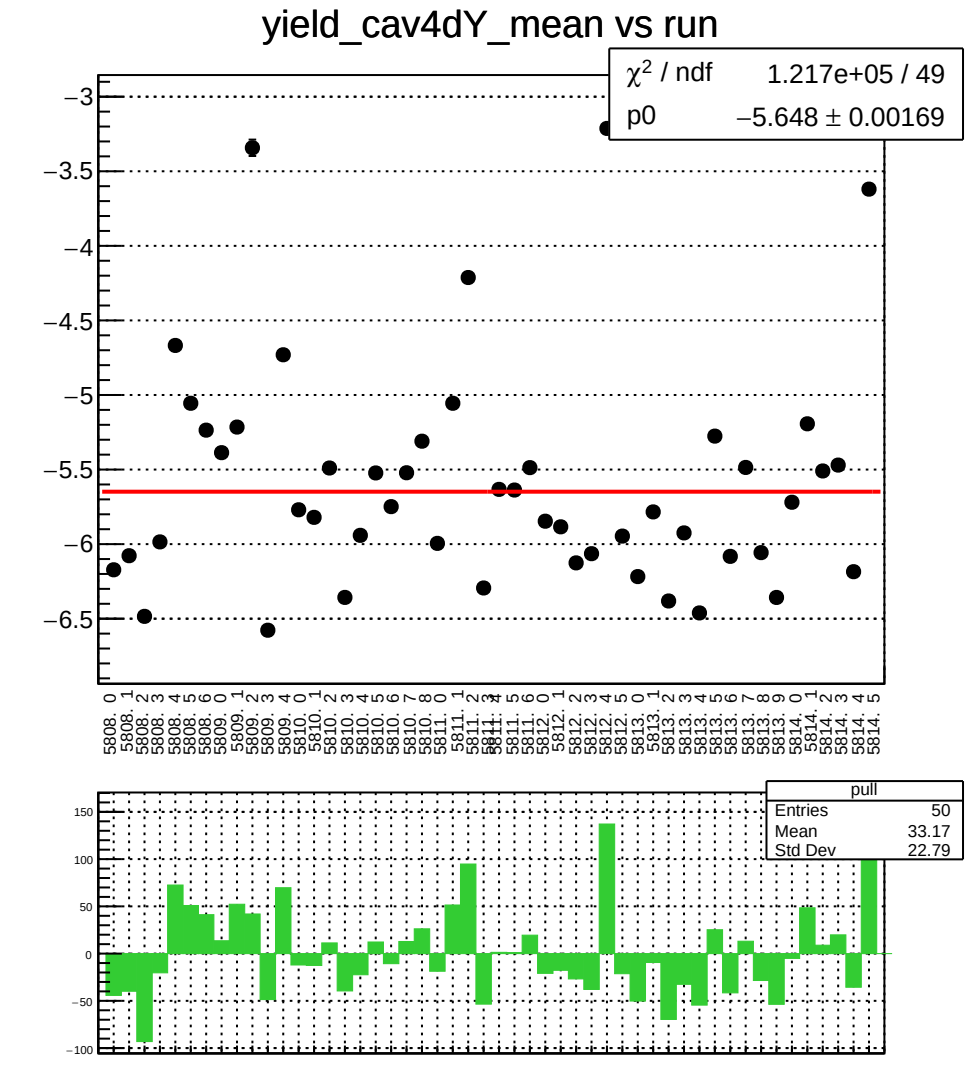

pull1D
Entries 50
Mean −3.745
Std Dev 2.639

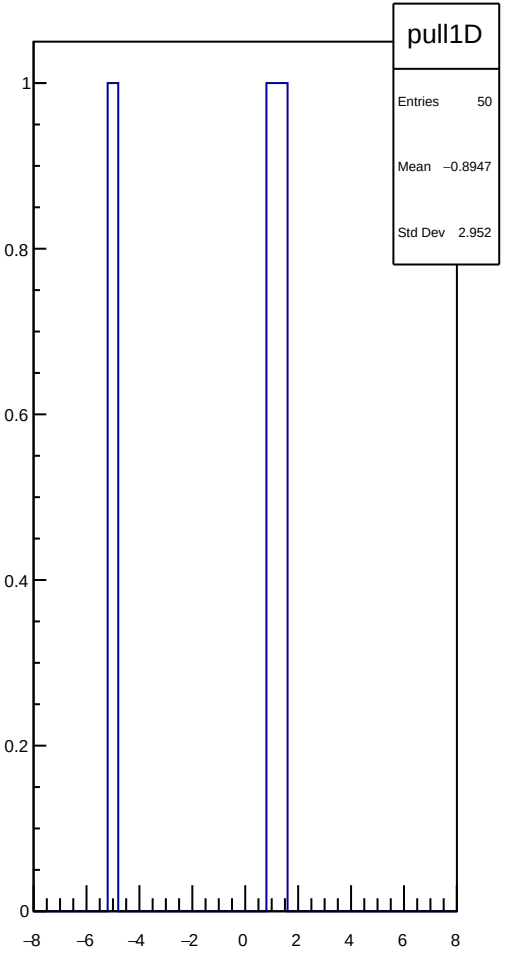

yield_cav4cY_rms vs run
χ^2 / ndf 5.623e+04 / 49
p0 1.168 ± 0.001234
5
4
3
2
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

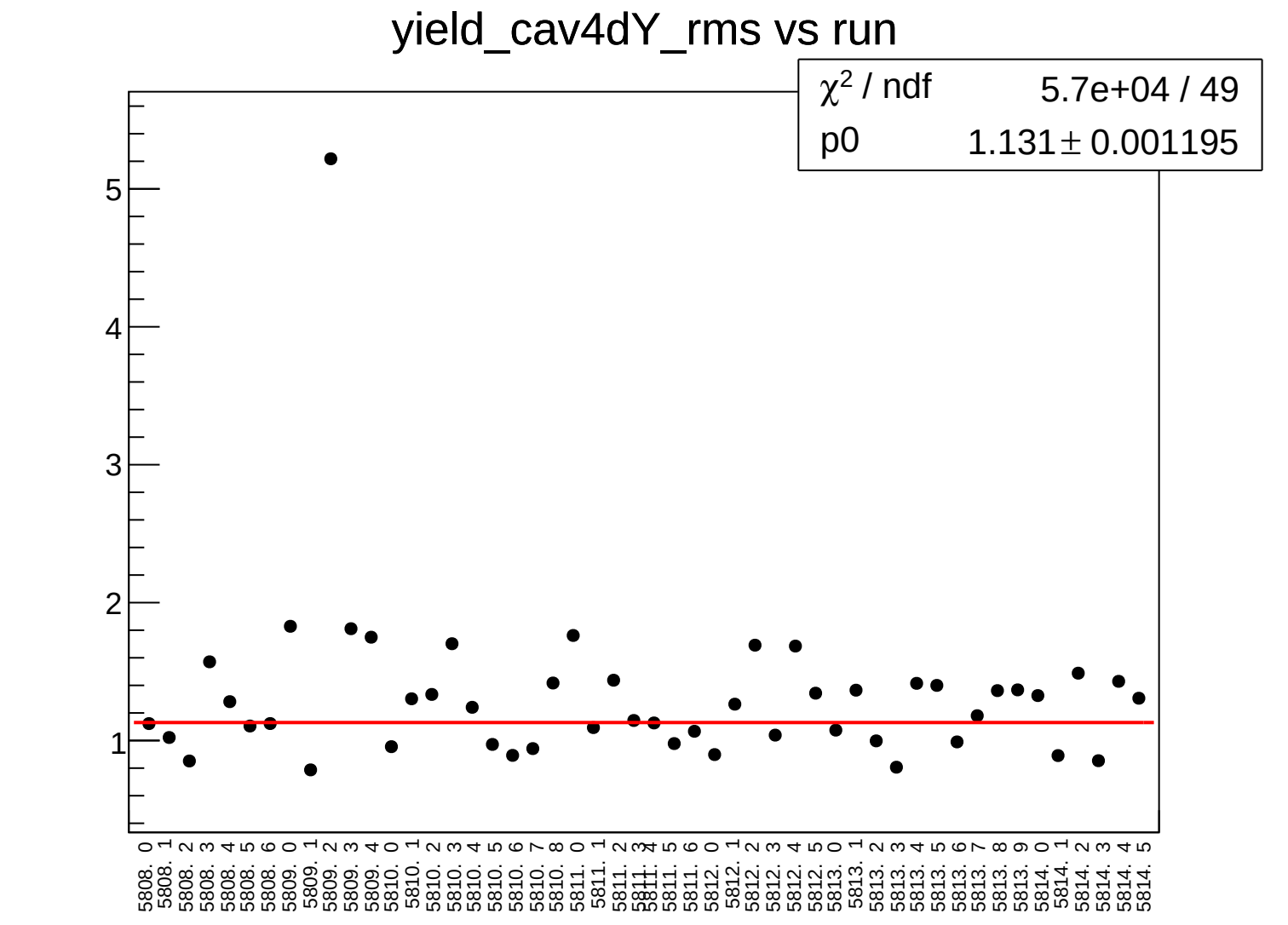

yield_cav4dX_mean vs run
χ² / ndf 9.012e+04 / 49
p0 0.3794 ± 0.0007229
pull
Entries 50
Mean 17.67
Std Dev 3.245

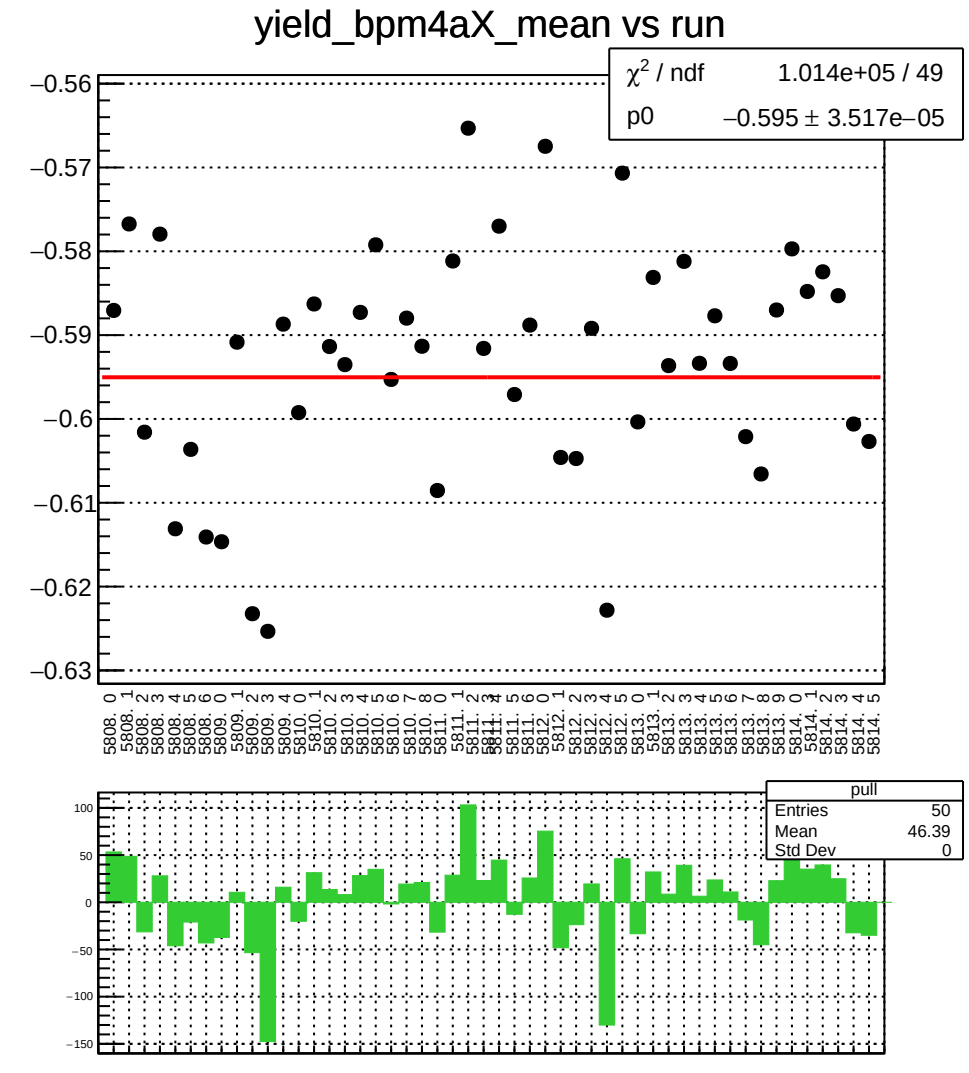

pull1D
Entries 50
Mean 4.452
Std Dev 3.145

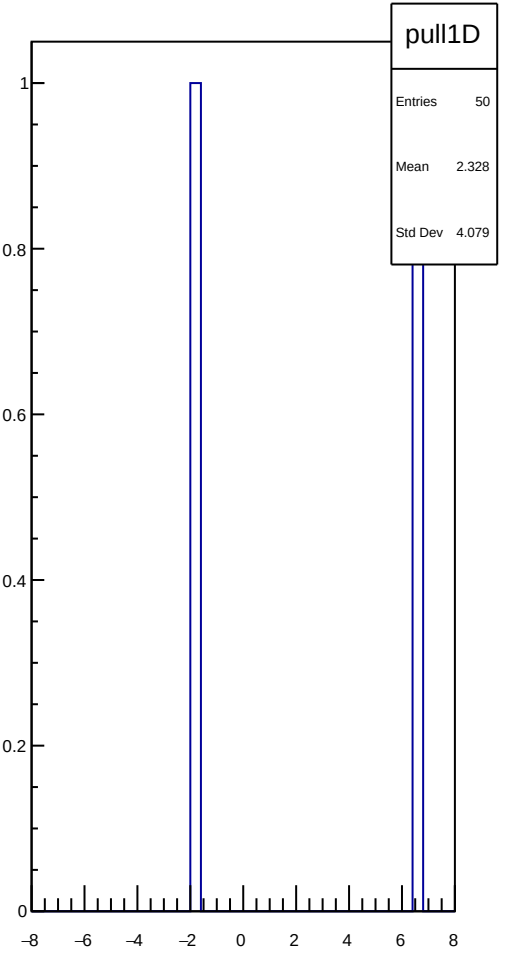

yield_cav4dX_rms vs run
χ² / ndf 1.353e+05 / 49
p0 0.462 ± 0.0005112
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

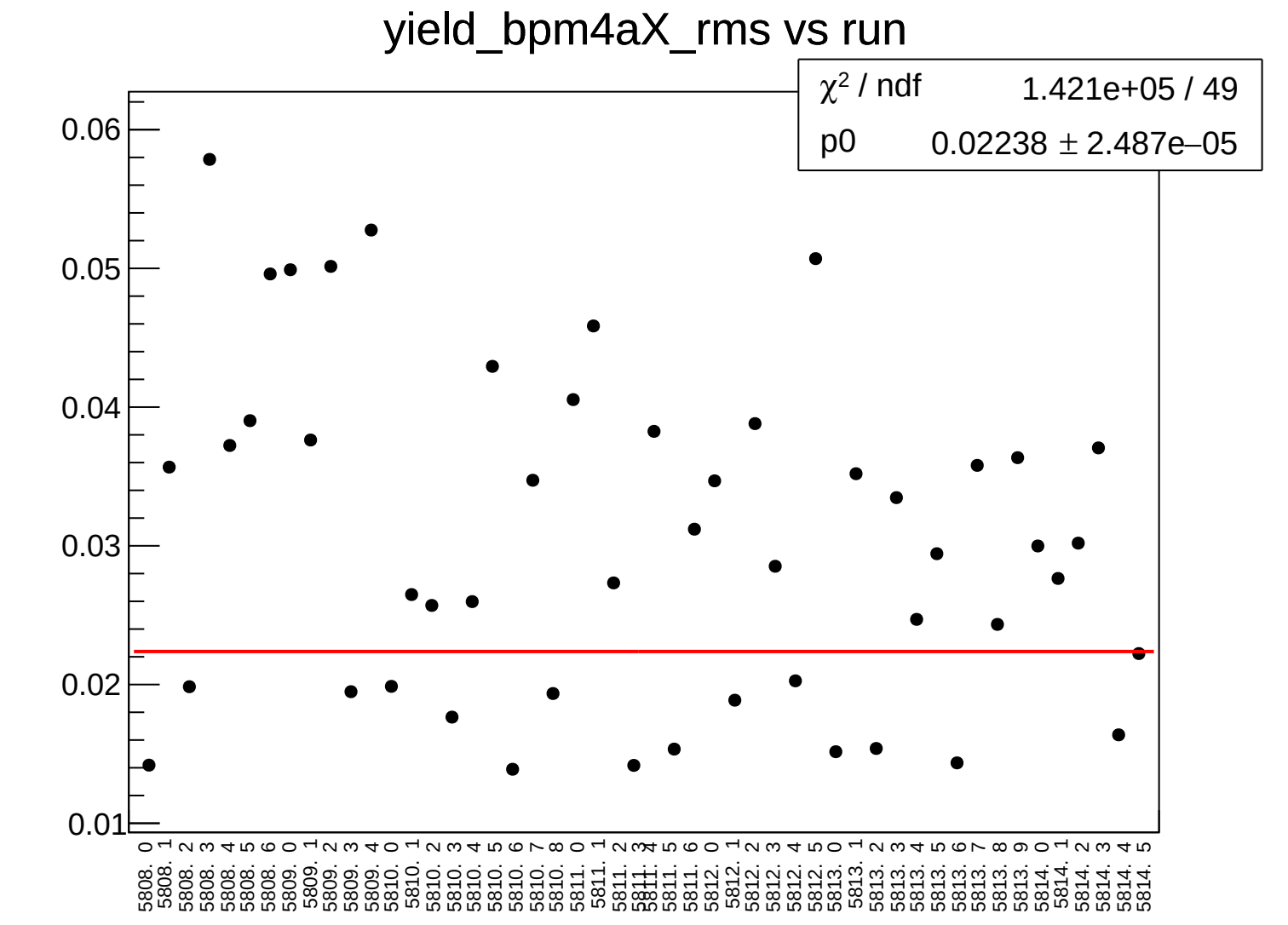

yield_cav4dY_mean vs run
χ² / ndf 1.217e+05 / 49
p0 −5.648 ± 0.00169
pull
Entries 50
Mean 33.17
Std Dev 22.79

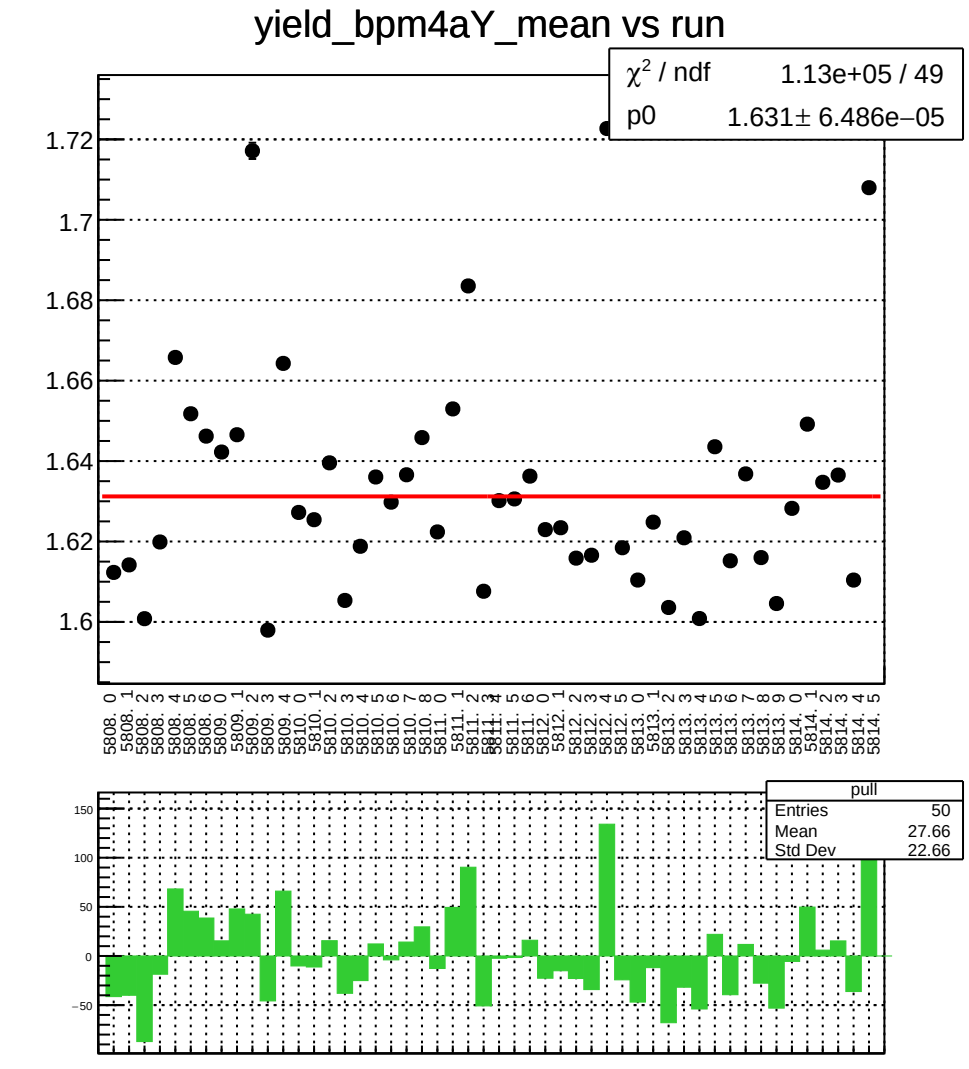

pull1D
Entries 50
Mean −0.8947
Std Dev 2.952

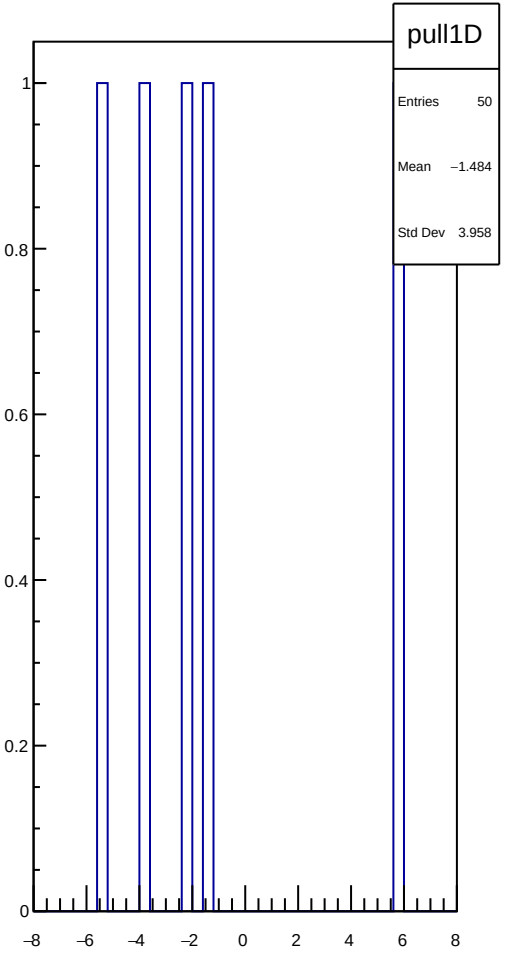

yield_cav4dY_rms vs run
χ^2 / ndf 5.7e+04 / 49
p0 1.131 ± 0.001195
5
4
3
2
1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

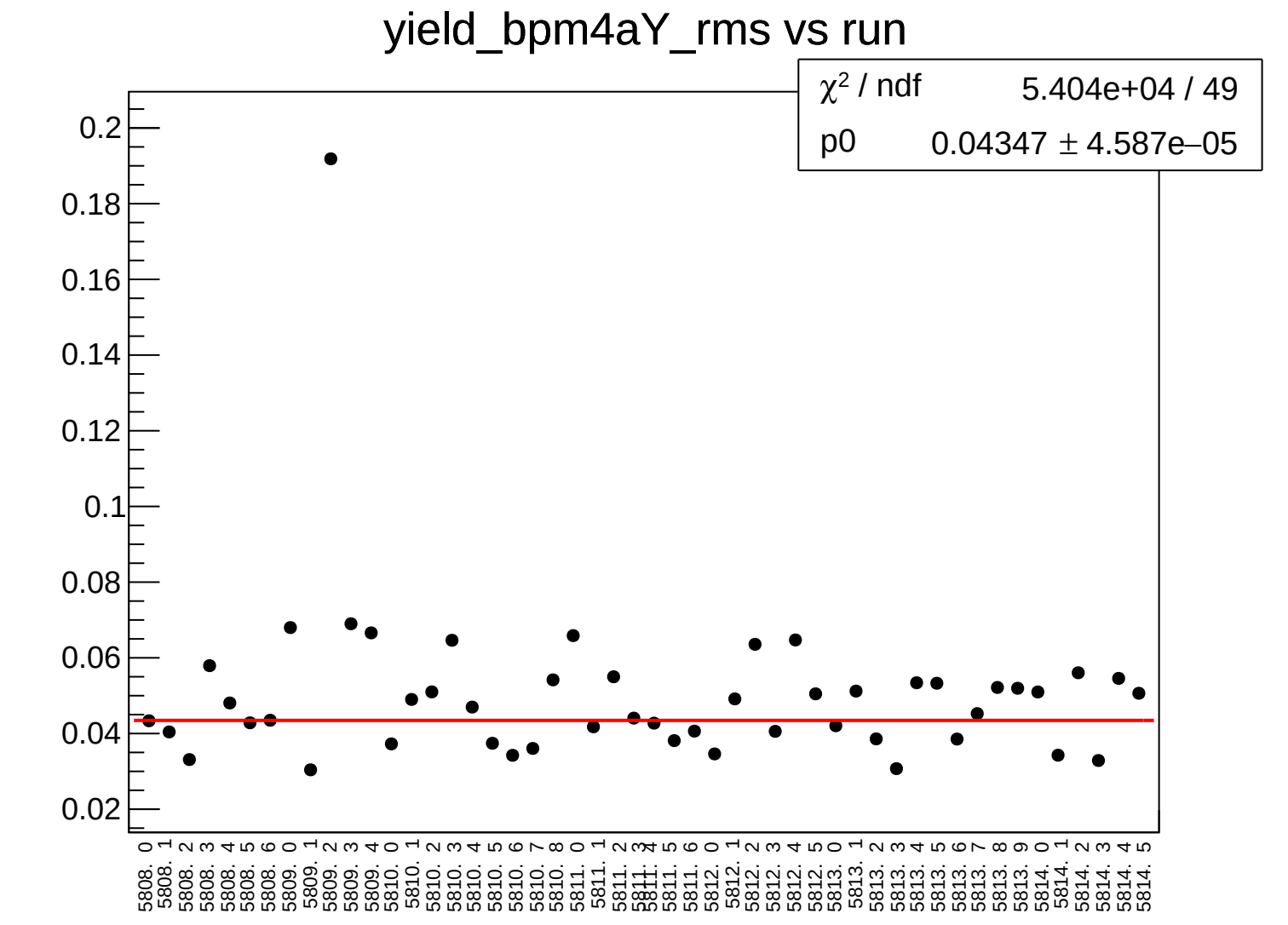

yield_bpm4aX_mean vs run
χ² / ndf 1.014e+05 / 49
p0 −0.595 ± 3.517e−05
−0.56
−0.57
−0.58
−0.59
−0.6
−0.61
−0.62
−0.63
pull
Entries 50
Mean 46.39
Std Dev 0
100
50
0
−50
−100
−150

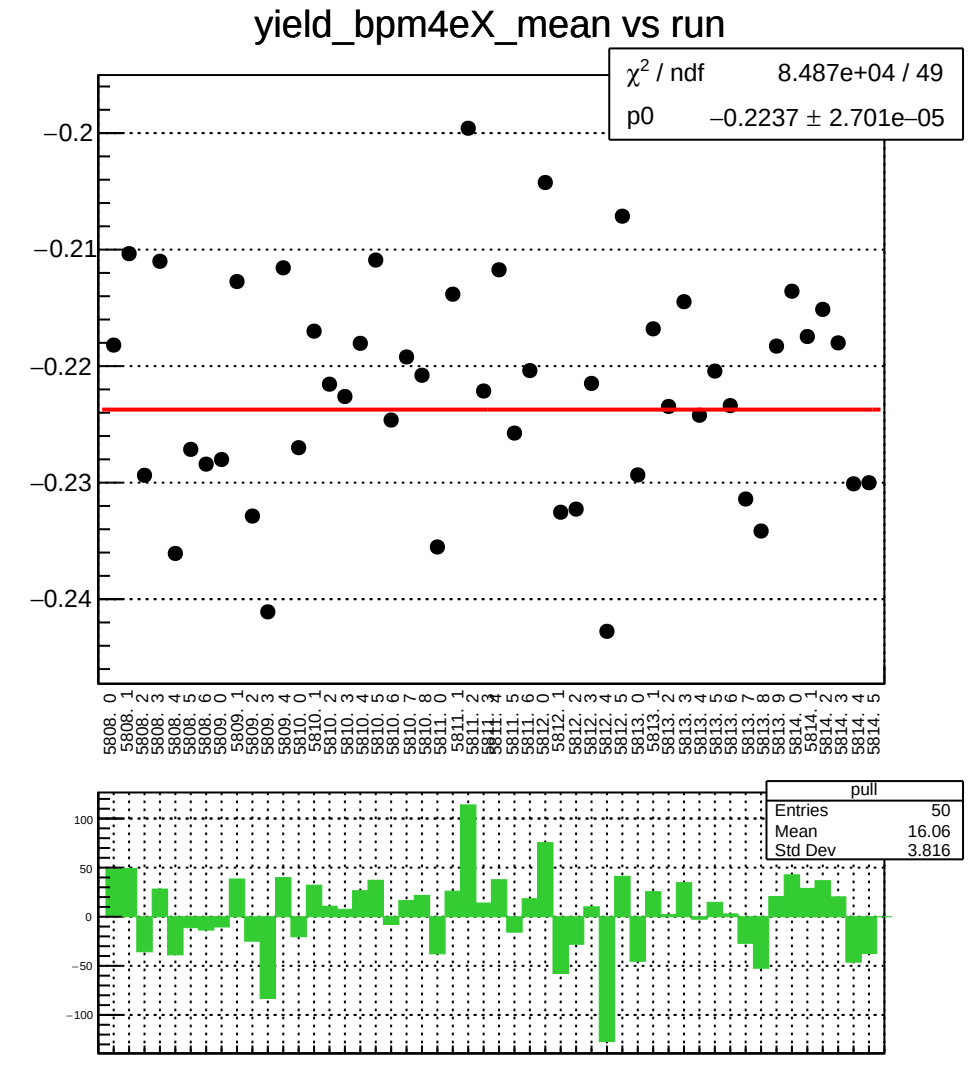

pull1D
Entries 50
Mean 2.328
Std Dev 4.079
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

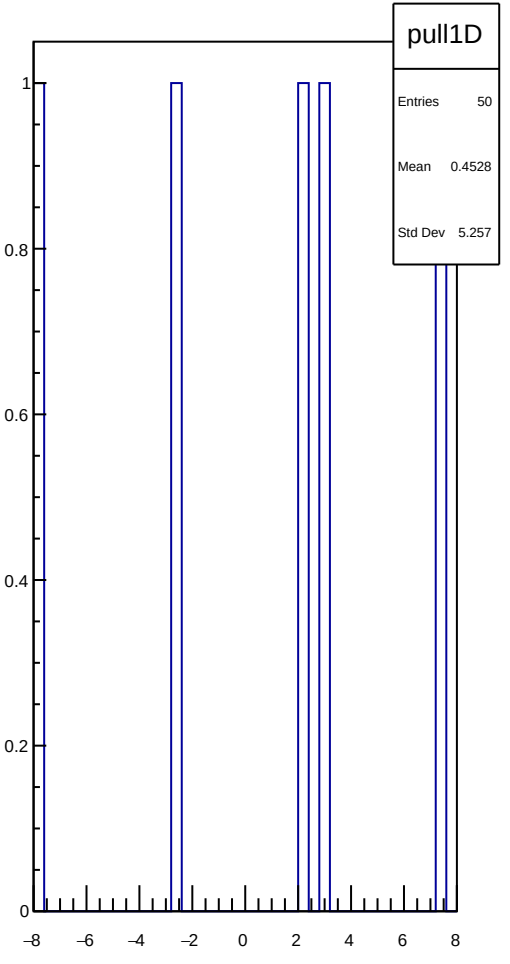

yield_bpm4aX_rms vs run
χ² / ndf 1.421e+05 / 49
p0 0.02238 ± 2.487e–05
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

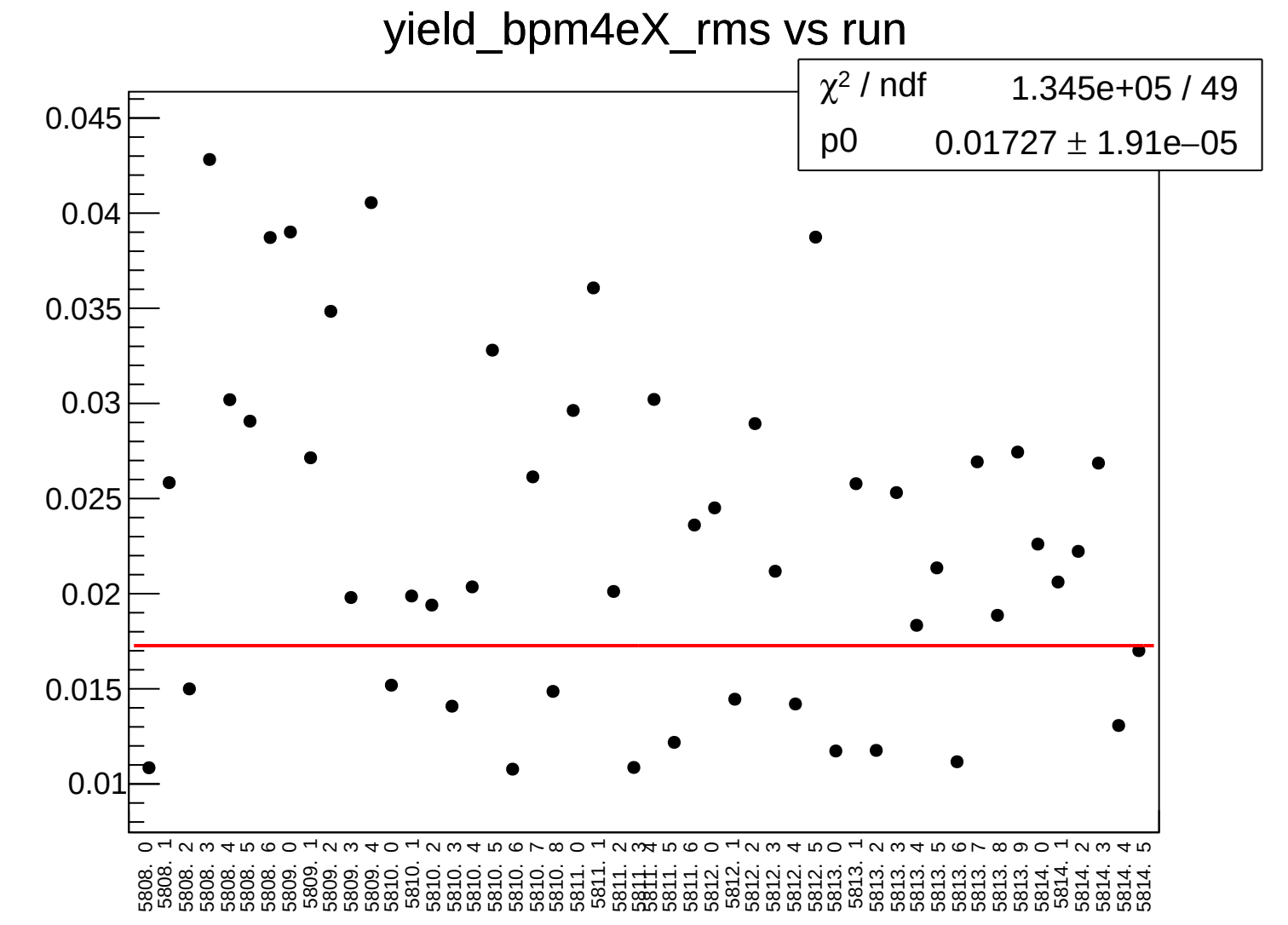

yield_bpm4aY_mean vs run
χ² / ndf 1.13e+05 / 49
p0 1.631± 6.486e−05
1.72
1.7
1.68
1.66
1.64
1.62
1.6
pull
Entries 50
Mean 27.66
Std Dev 22.66
150
100
50
0
−50


pull1D
Entries 50
Mean −1.484
Std Dev 3.958
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4aY_rms vs run
χ² / ndf 5.404e+04 / 49
p0 0.04347 ± 4.587e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


yield_bpm4eX_mean vs run
χ² / ndf 8.487e+04 / 49
p0 −0.2237 ± 2.701e−05
−0.2
−0.21
−0.22
−0.23
−0.24
pull
Entries 50
Mean 16.06
Std Dev 3.816
100
50
0
−50
−100


pull1D
Entries 50
Mean 0.4528
Std Dev 5.257
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4eX_rms vs run
χ² / ndf 1.345e+05 / 49
p0 0.01727 ± 1.91e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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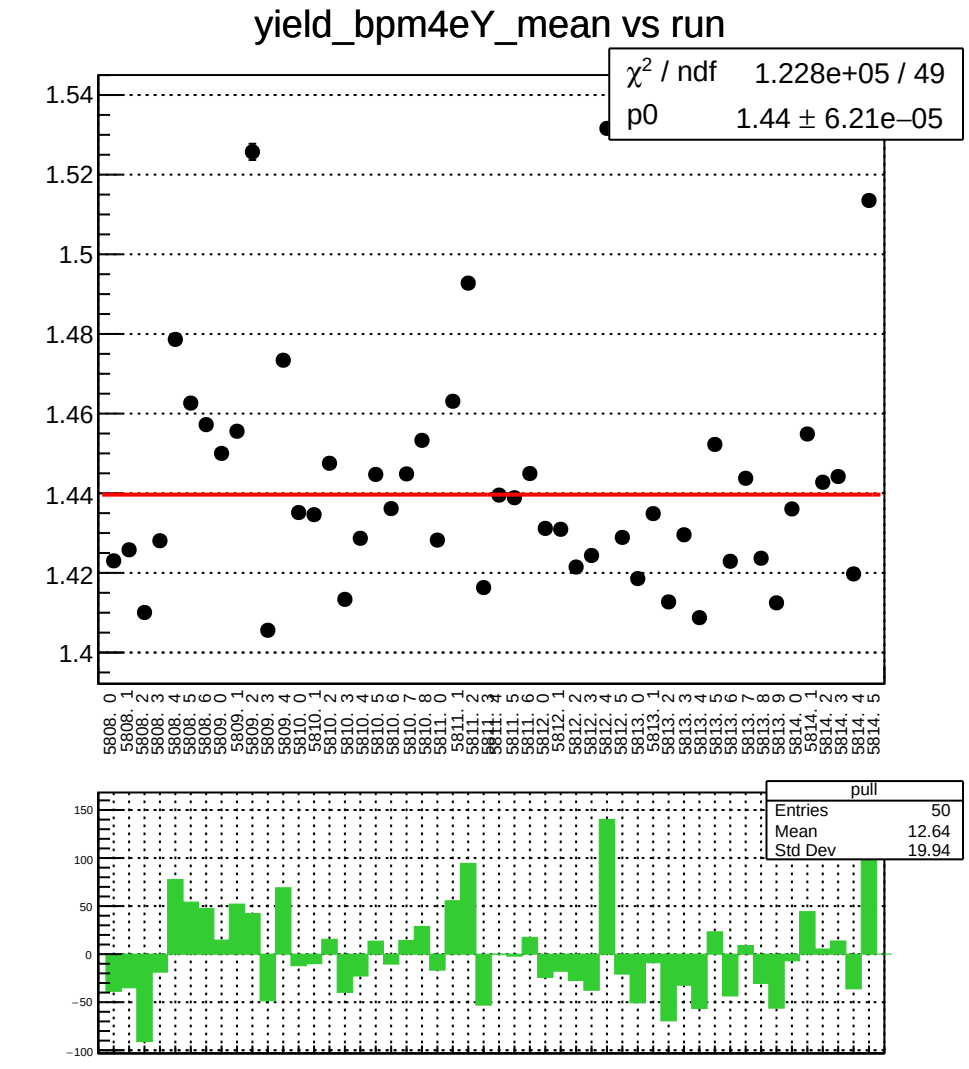
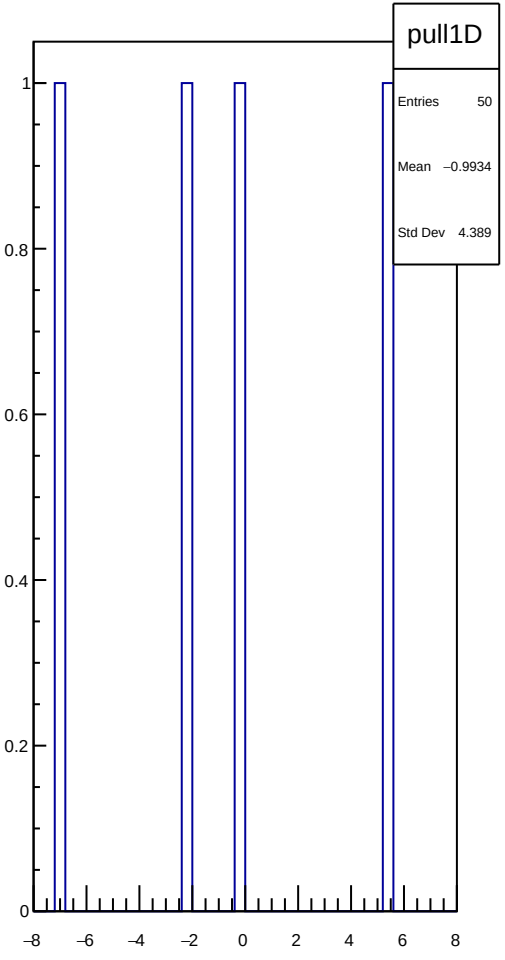
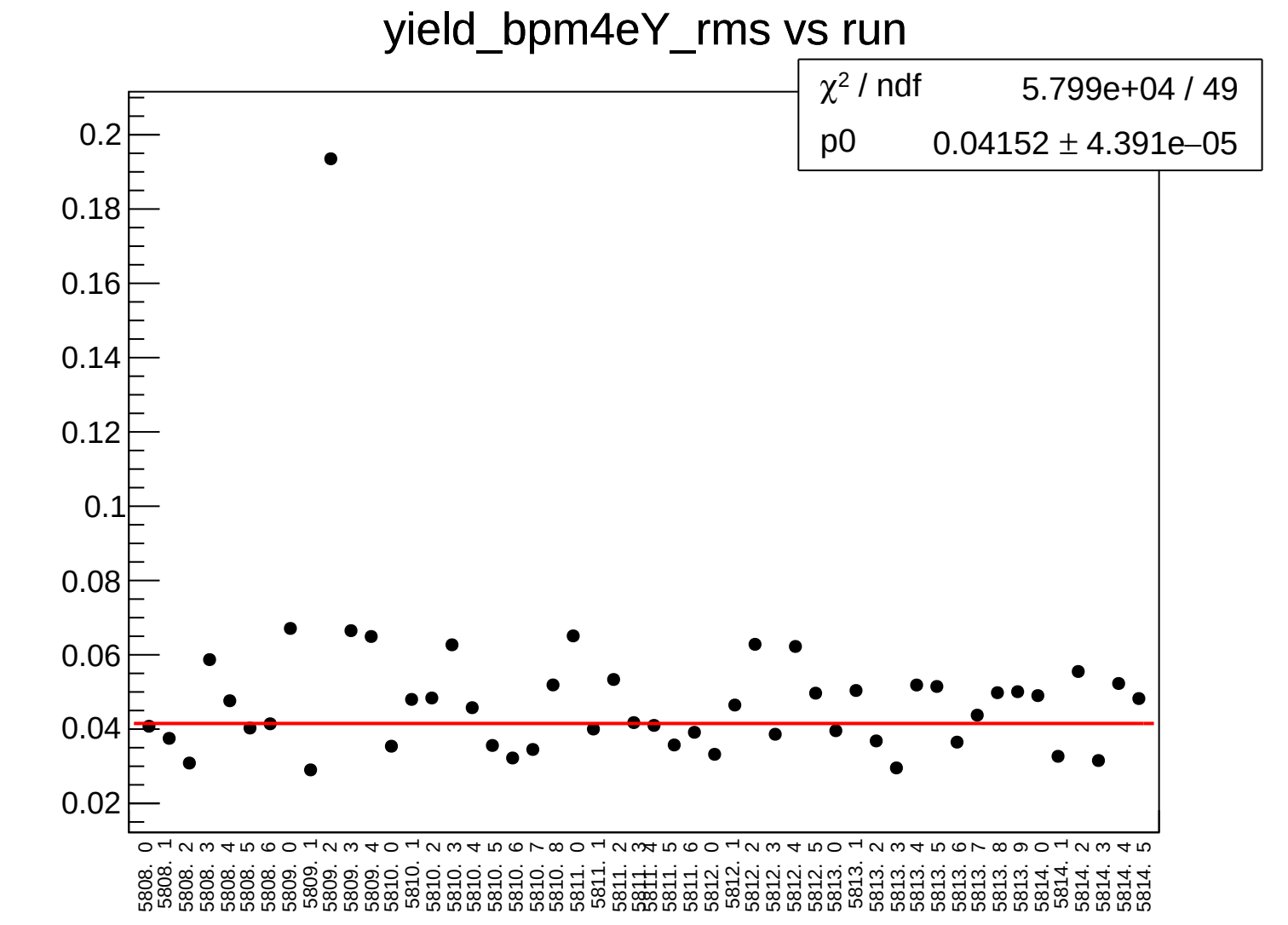
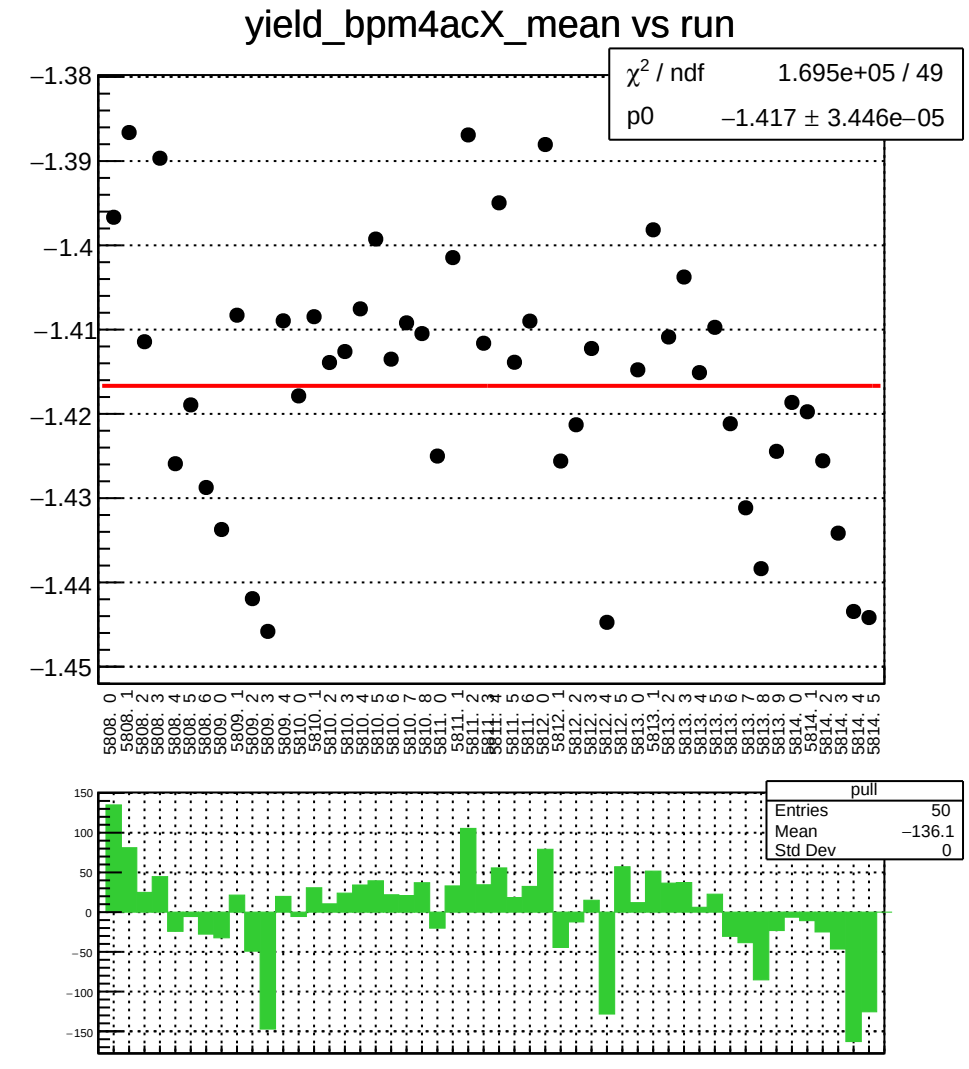
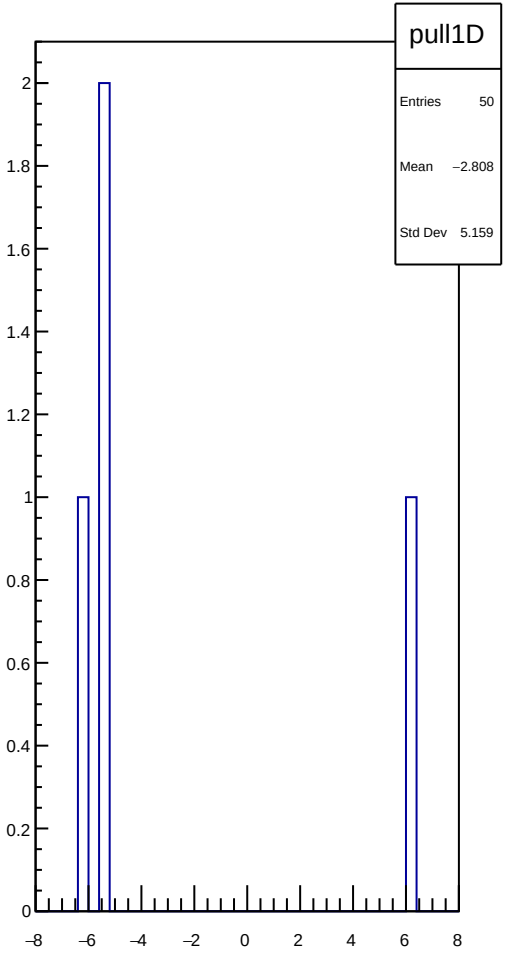
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

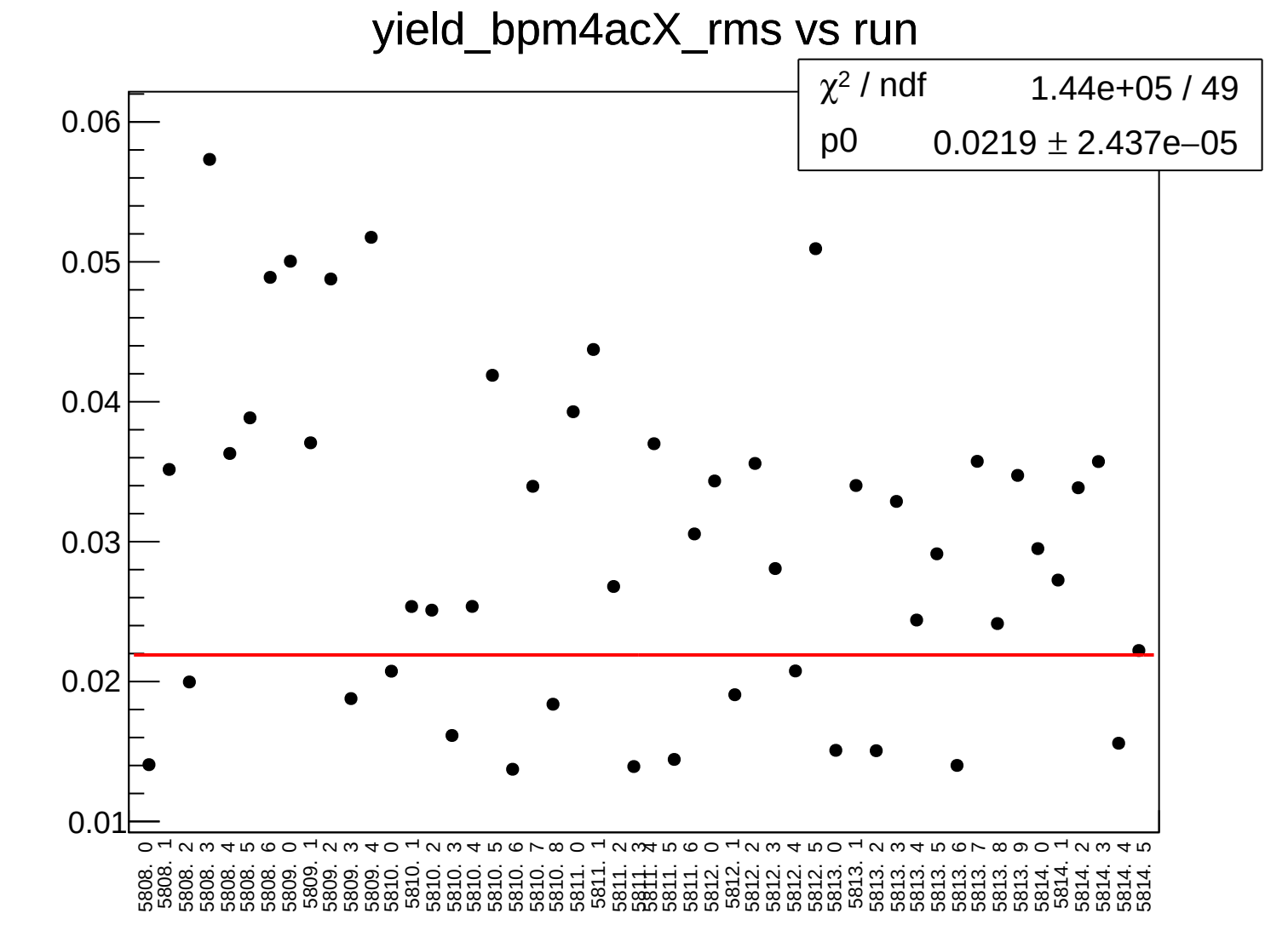

yield_bpm4eY_mean vs run
χ² / ndf 1.228e+05 / 49
p0 1.44 ± 6.21e−05
1.54
1.52
1.5
1.48
1.46
1.44
1.42
1.4
pull
Entries 50
Mean 12.64
Std Dev 19.94
150
100
50
0
−50
−100

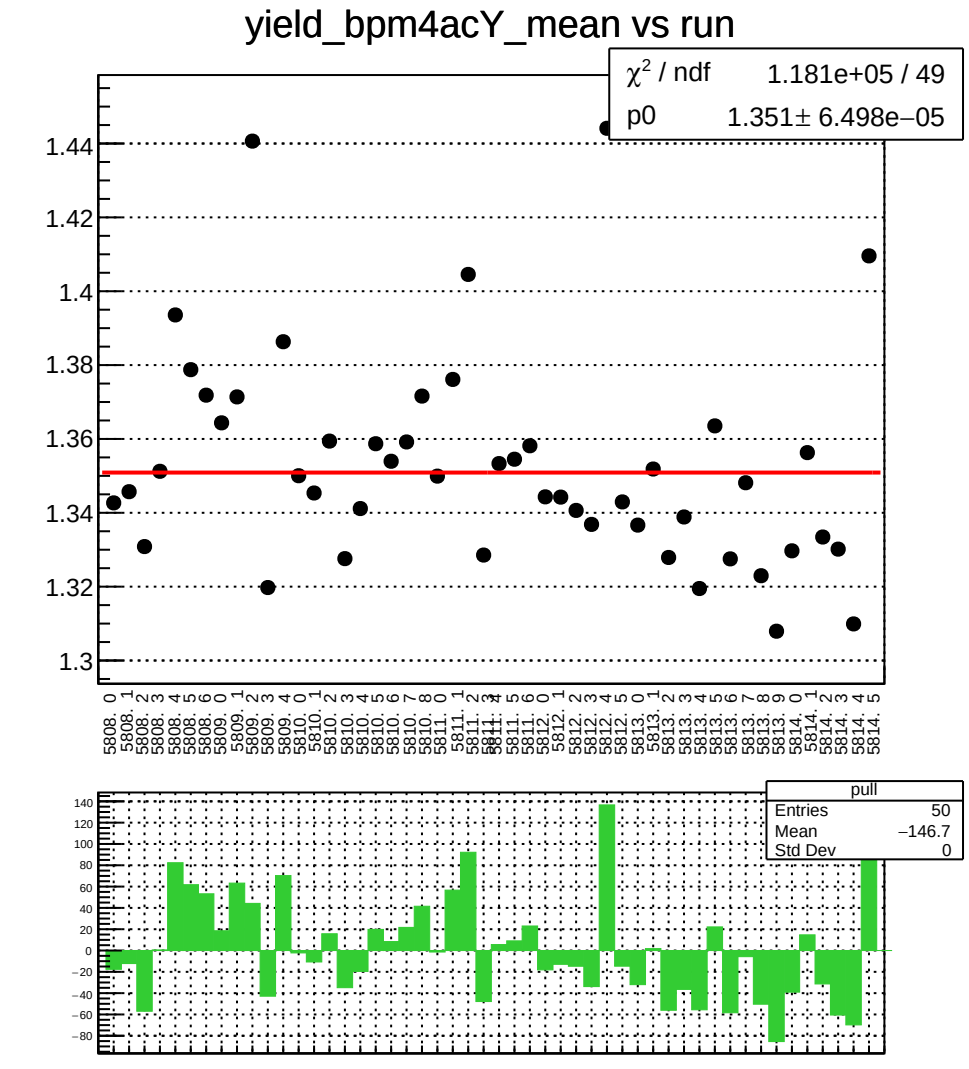

pull1D
Entries 50
Mean −0.9934
Std Dev 4.389
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

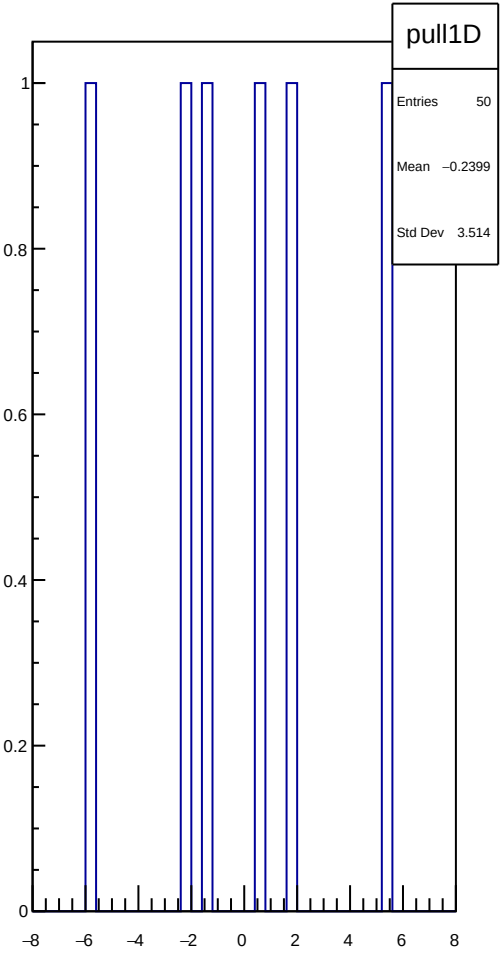

yield_bpm4eY_rms vs run
χ² / ndf 5.799e+04 / 49
p0 0.04152 ± 4.391e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

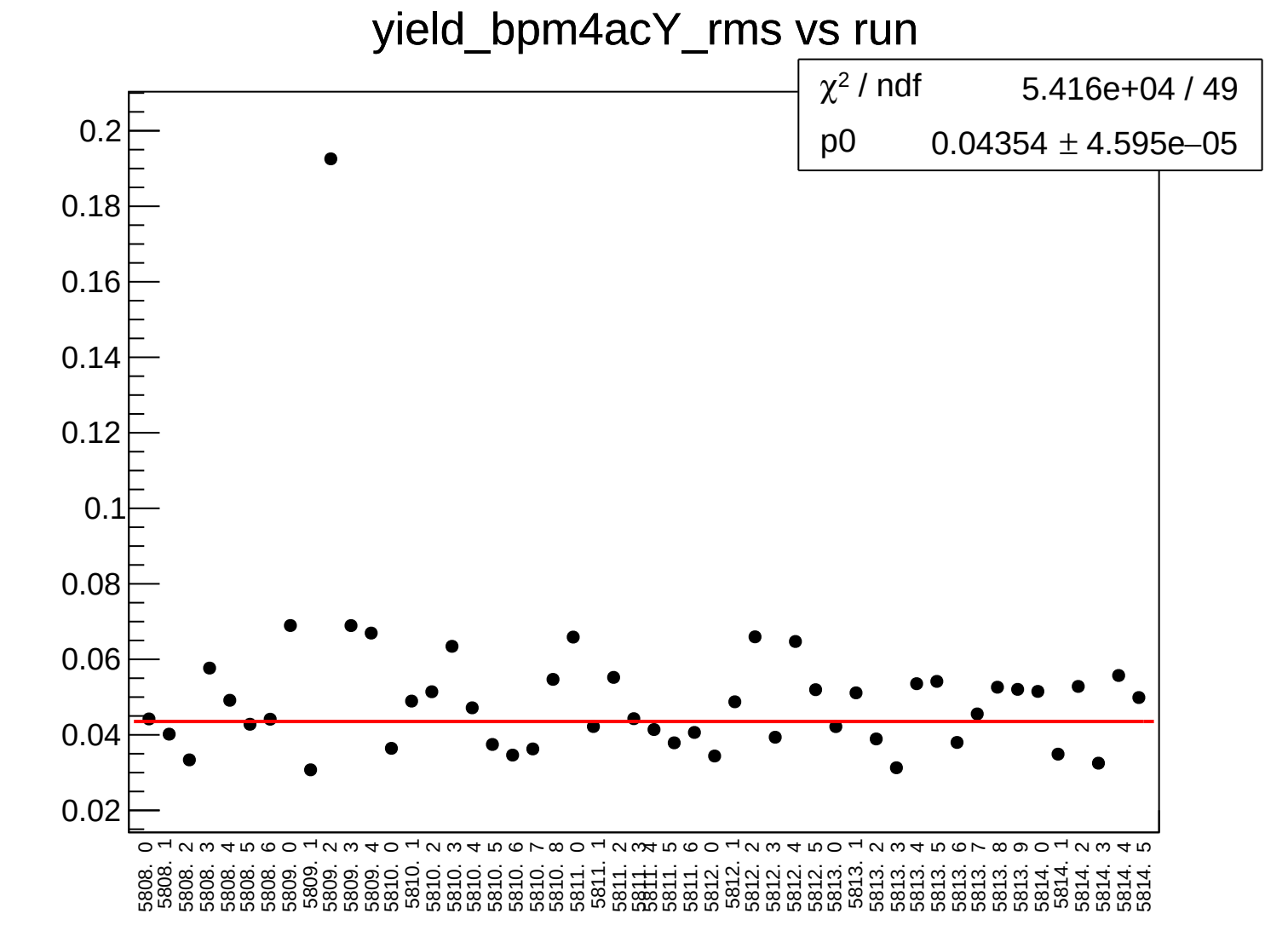

yield_bpm4acX_mean vs run
χ² / ndf 1.695e+05 / 49
p0 −1.417 ± 3.446e−05
−1.38
−1.39
−1.4
−1.41
−1.42
−1.43
−1.44
−1.45
pull
Entries 50
Mean −136.1
Std Dev 0
150
100
50
0
−50
−100
−150

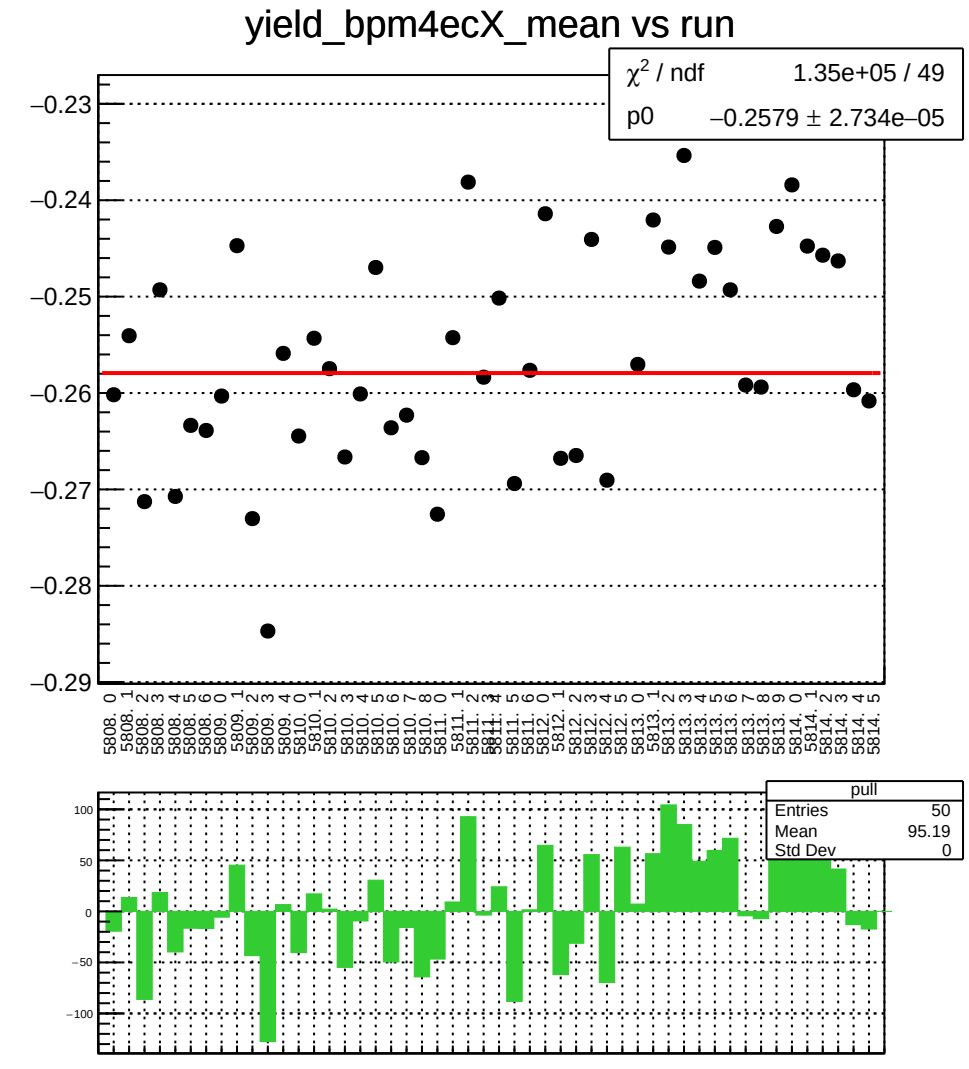

pull1D
Entries 50
Mean −2.808
Std Dev 5.159
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

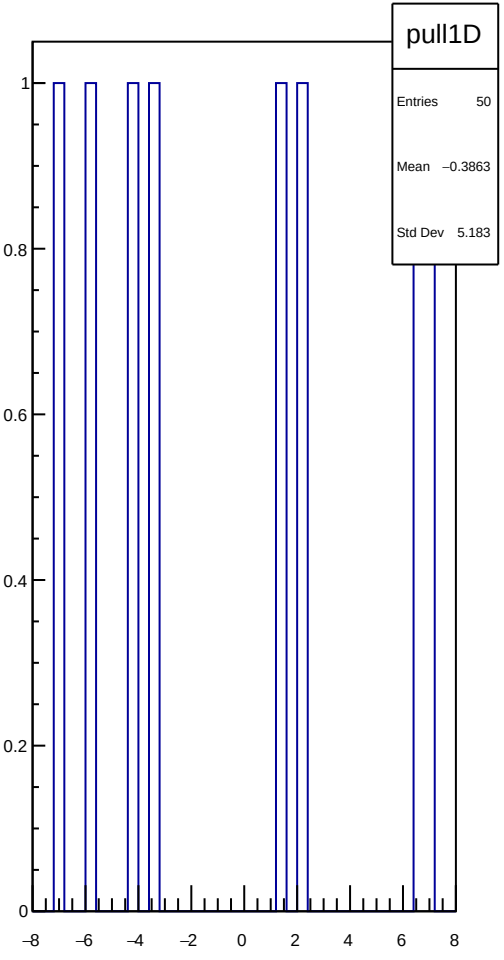

yield_bpm4acX_rms vs run
χ² / ndf 1.44e+05 / 49
p0 0.0219 ± 2.437e−05
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

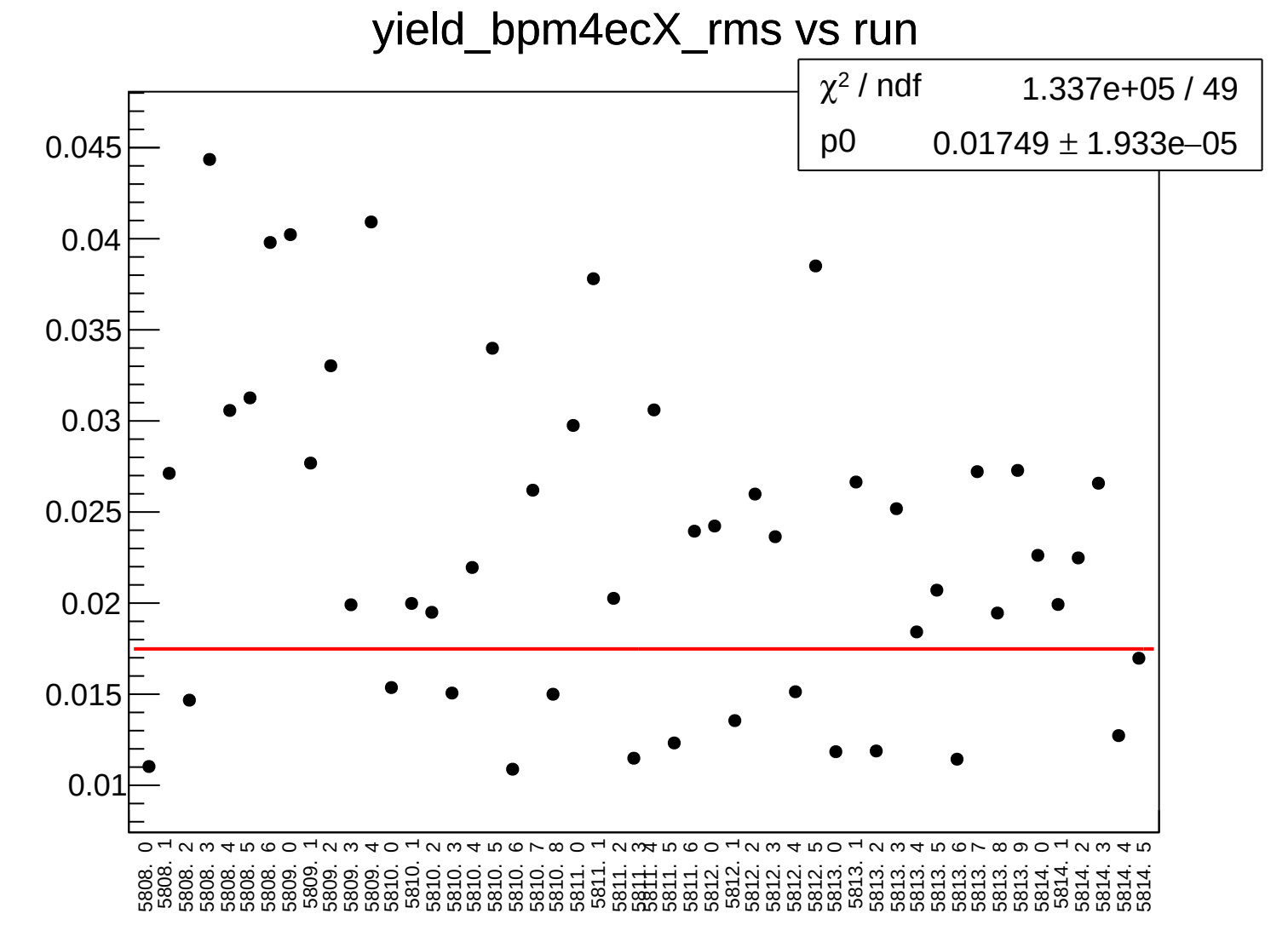

yield_bpm4acY_mean vs run
χ² / ndf 1.181e+05 / 49
p0 1.351± 6.498e−05
pull
Entries 50
Mean −146.7
Std Dev 0

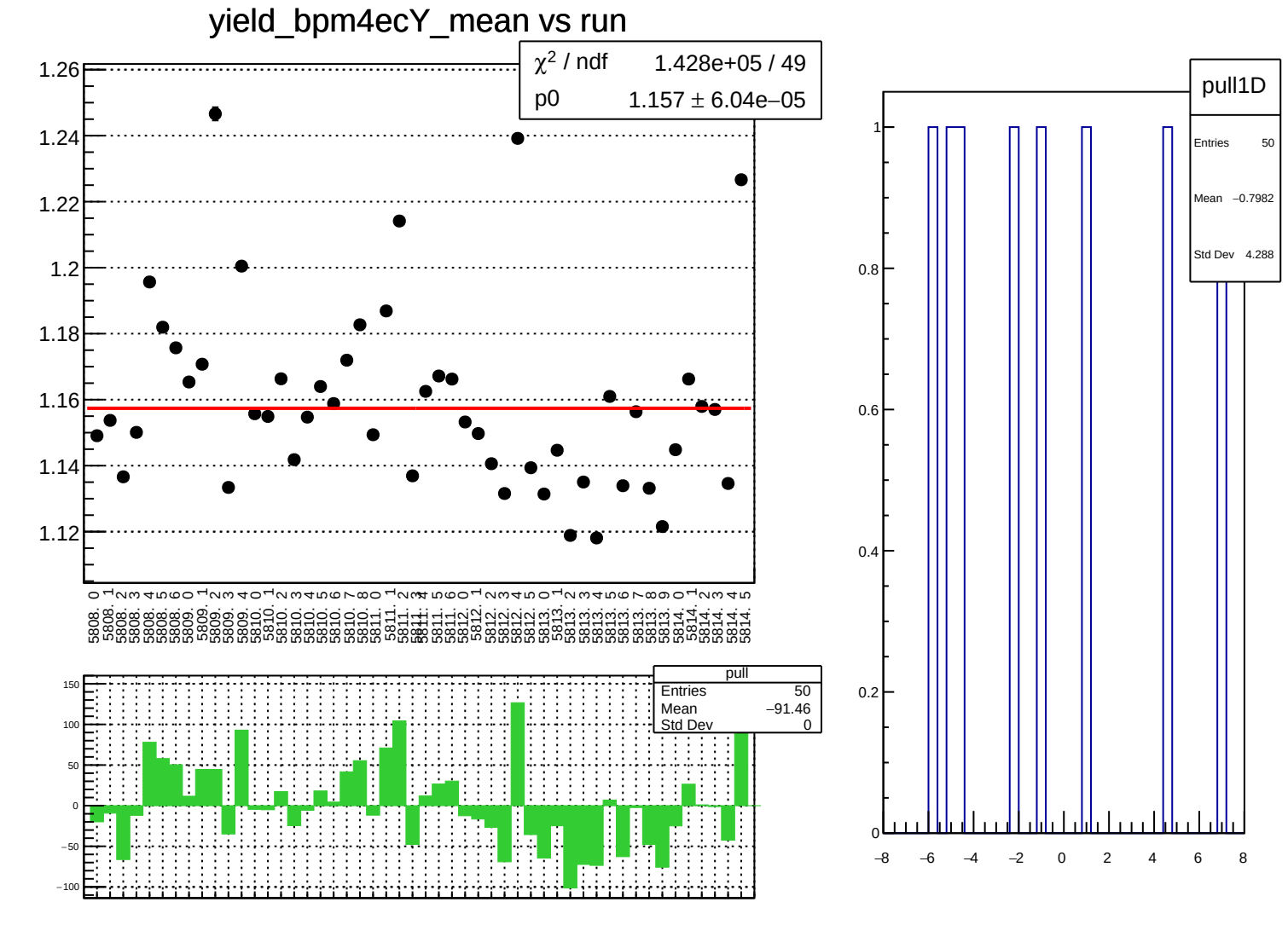

pull1D
Entries 50
Mean −0.2399
Std Dev 3.514

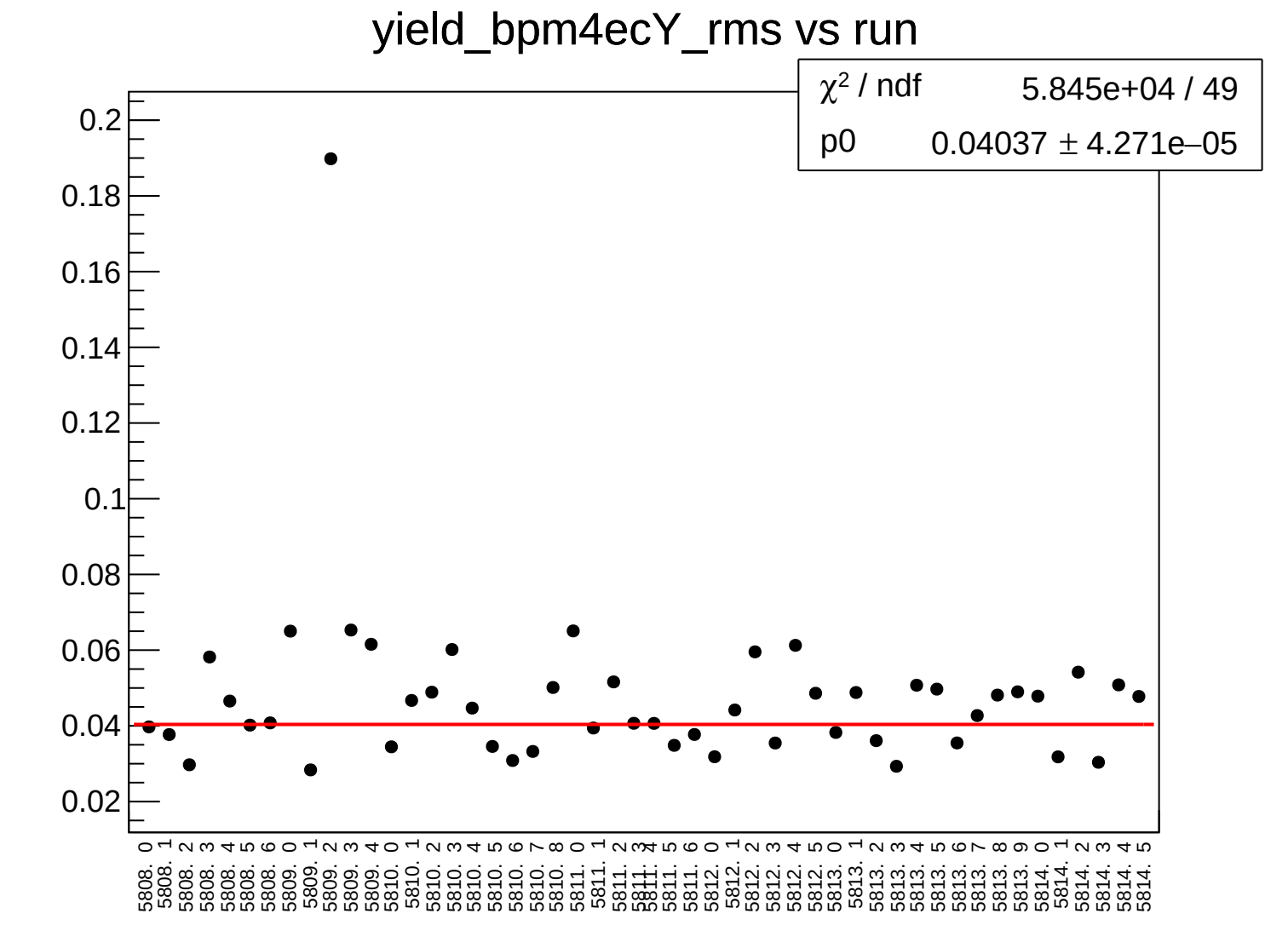

yield_bpm4acY_rms vs run
χ² / ndf 5.416e+04 / 49
p0 0.04354 ± 4.595e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

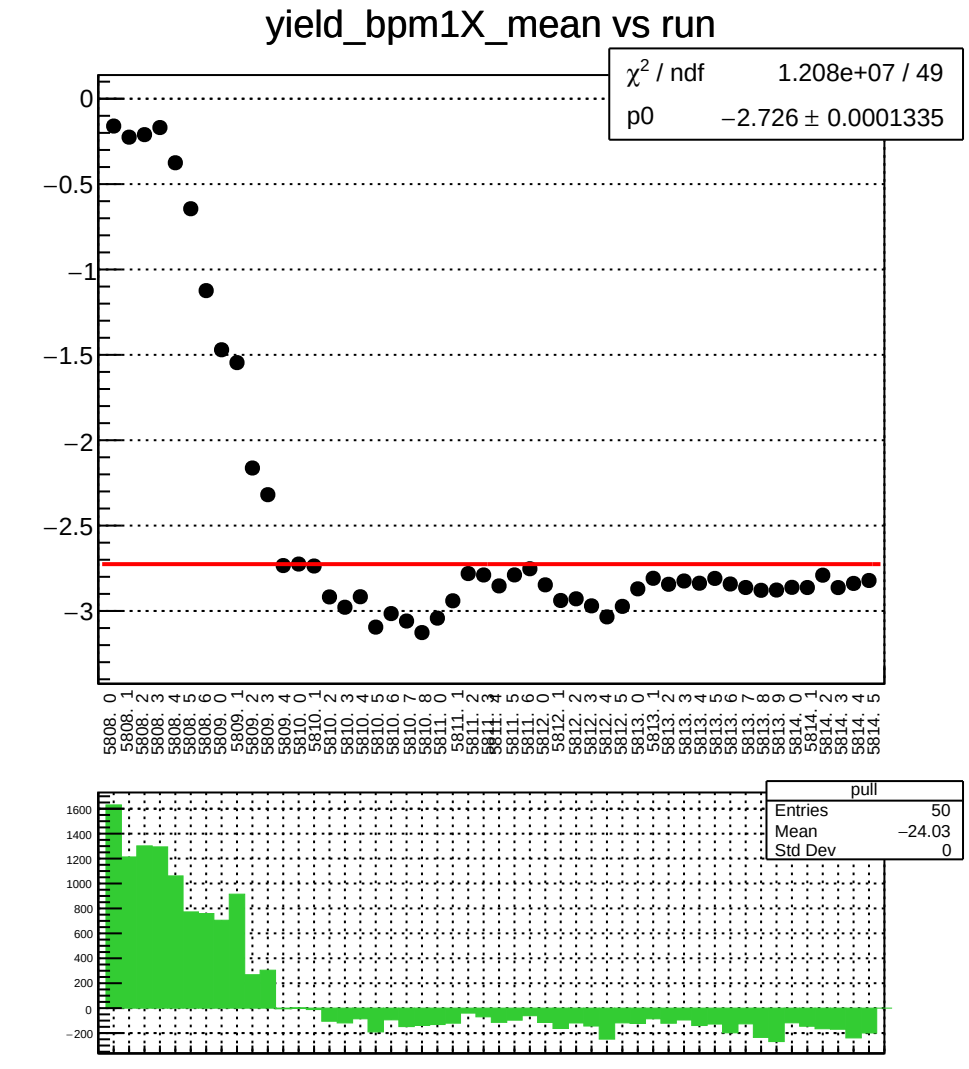

yield_bpm4ecX_mean vs run
χ² / ndf 1.35e+05 / 49
p0 −0.2579 ± 2.734e−05
pull
Entries 50
Mean 95.19
Std Dev 0

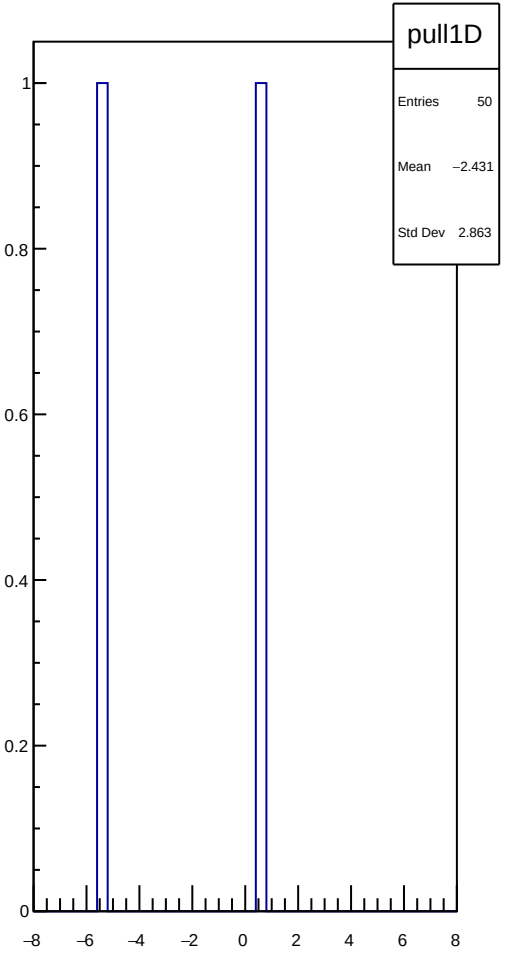

pull1D
Entries 50
Mean −0.3863
Std Dev 5.183

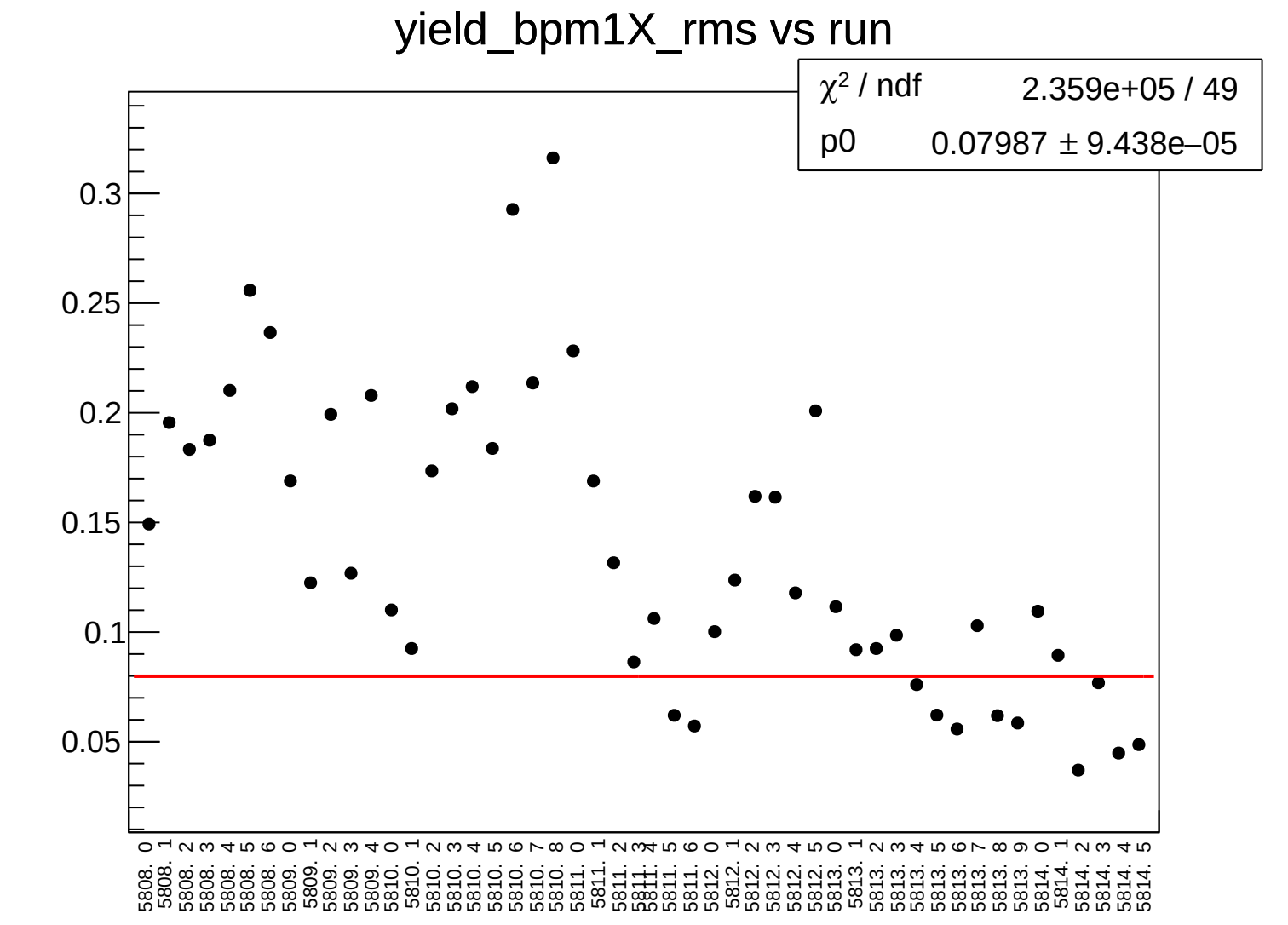

yield_bpm4ecX_rms vs run
χ² / ndf 1.337e+05 / 49
p0 0.01749 ± 1.933e–05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

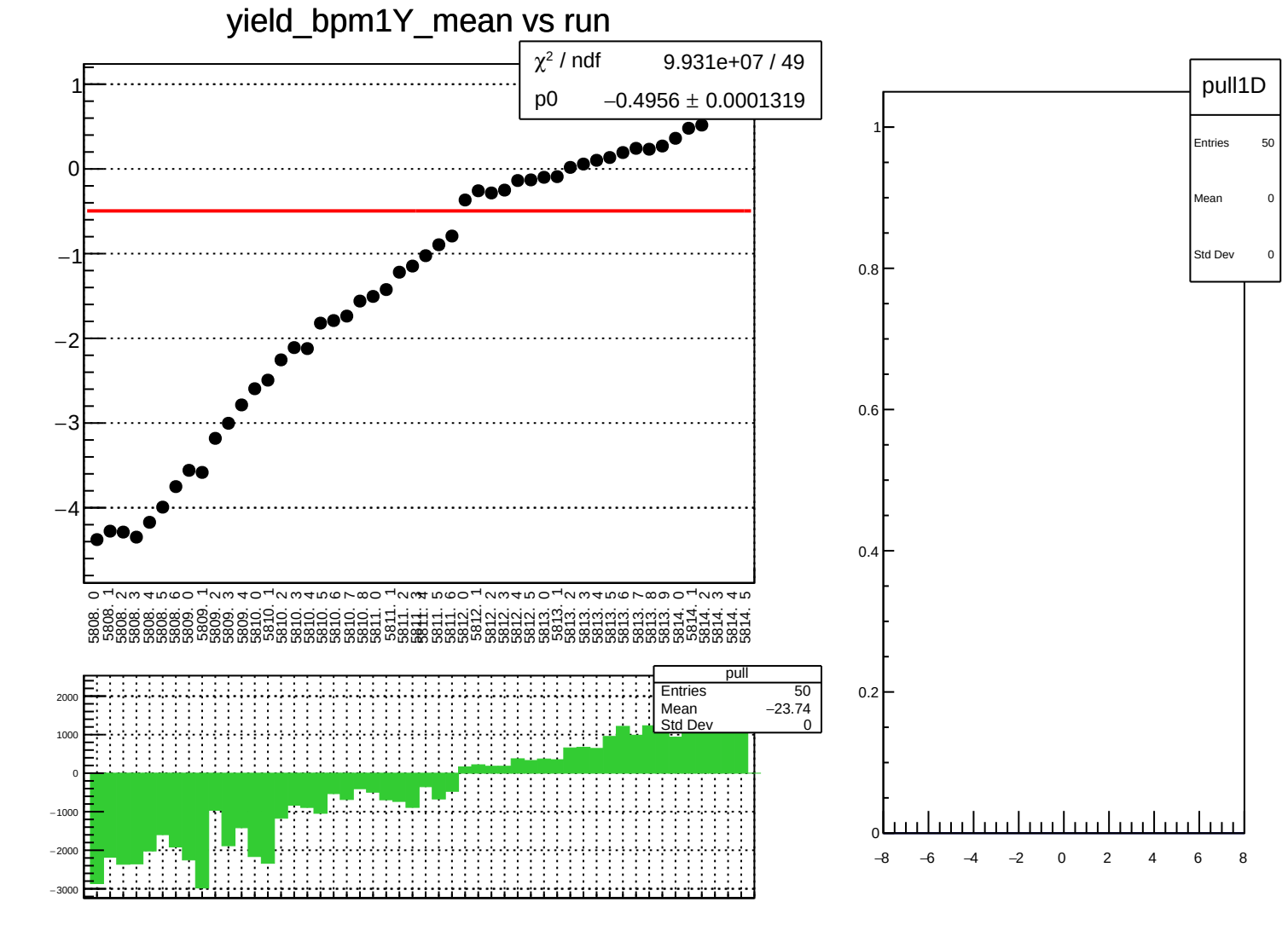

yield_bpm4ecY_mean vs run
χ² / ndf 1.428e+05 / 49
p0 1.157 ± 6.04e−05
1.26
1.24
1.22
1.2
1.18
1.16
1.14
1.12
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −91.46
Std Dev 0
150
100
50
0
−50
−100
pull1D
Entries 50
Mean −0.7982
Std Dev 4.288
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

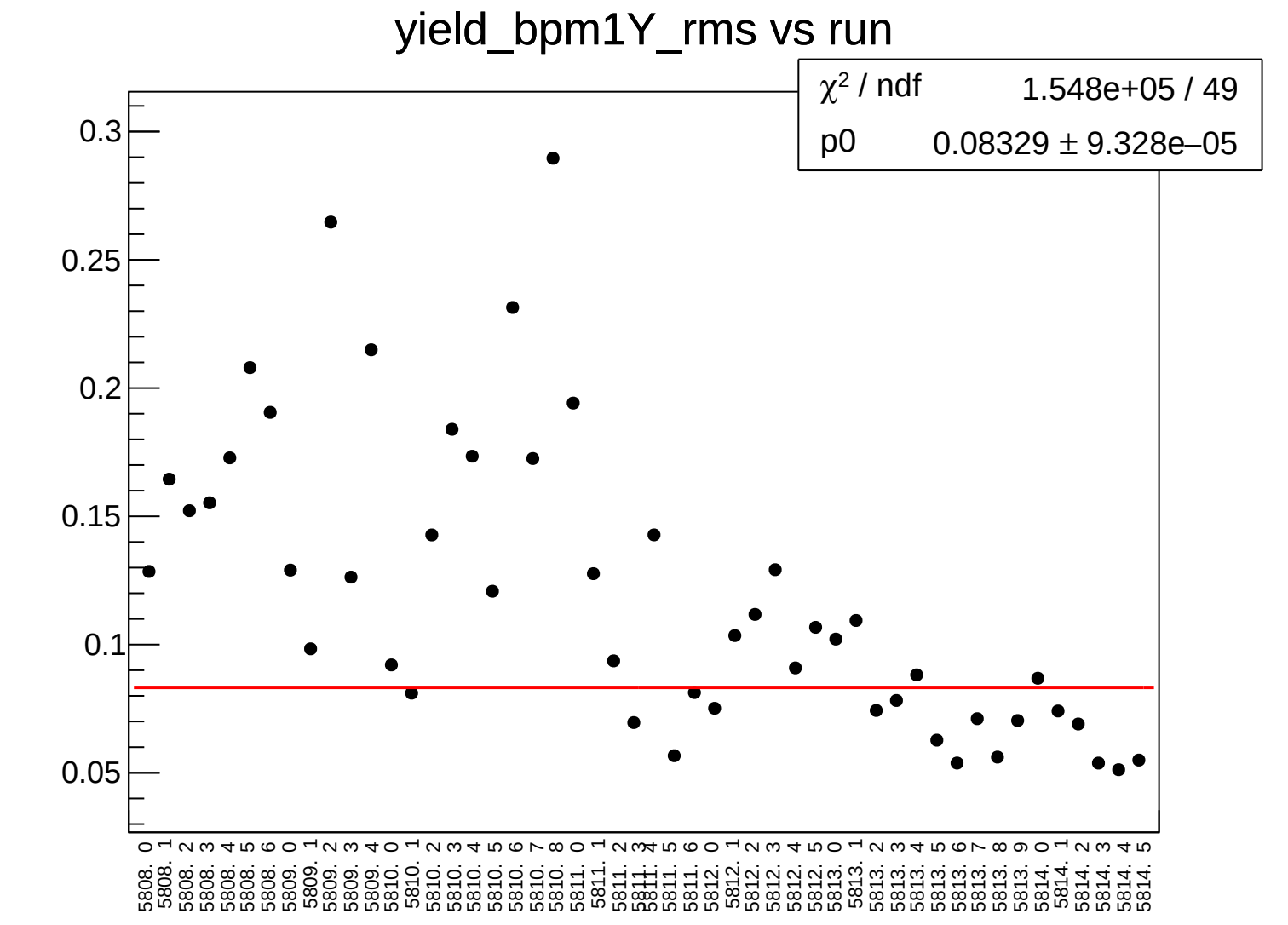

yield_bpm4ecY_rms vs run
χ² / ndf 5.845e+04 / 49
p0 0.04037 ± 4.271e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

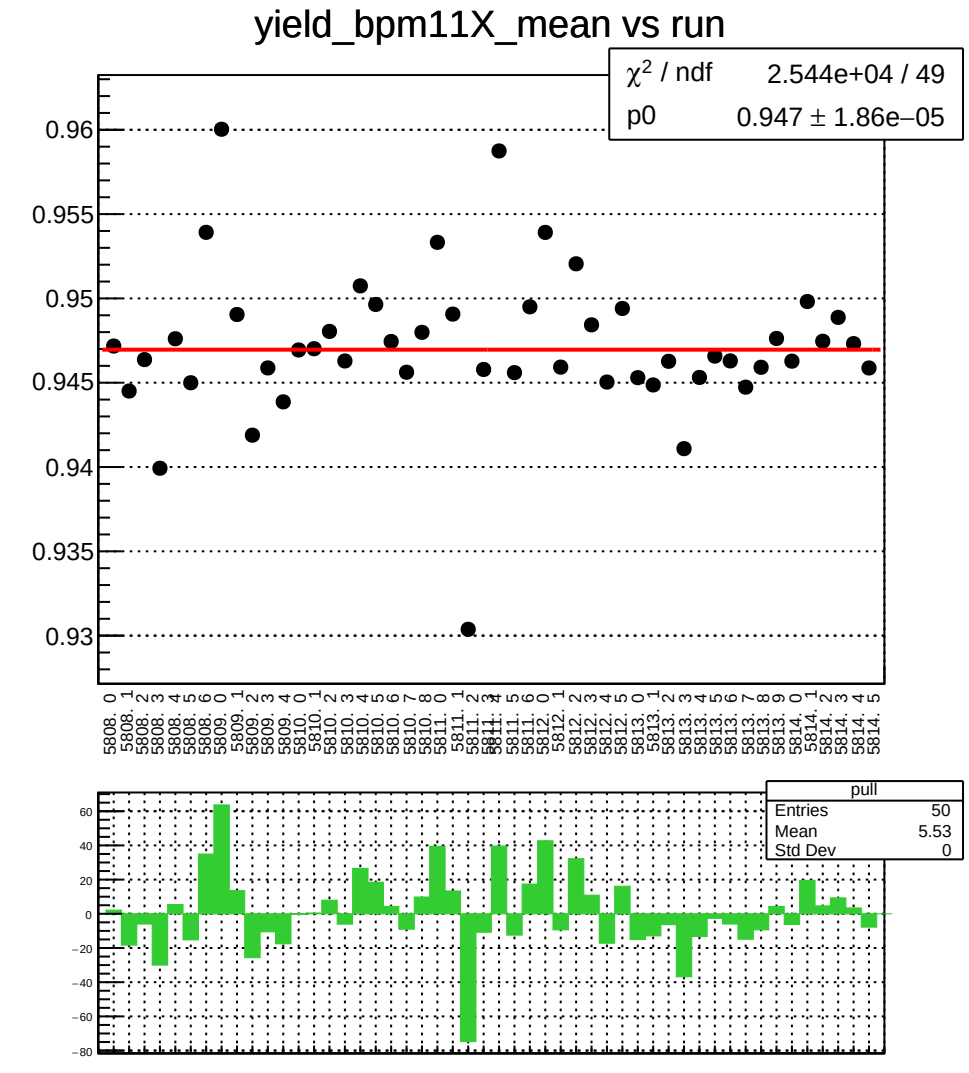

yield_bpm1X_mean vs run
χ² / ndf 1.208e+07 / 49
p0 −2.726 ± 0.0001335
pull
Entries 50
Mean −24.03
Std Dev 0

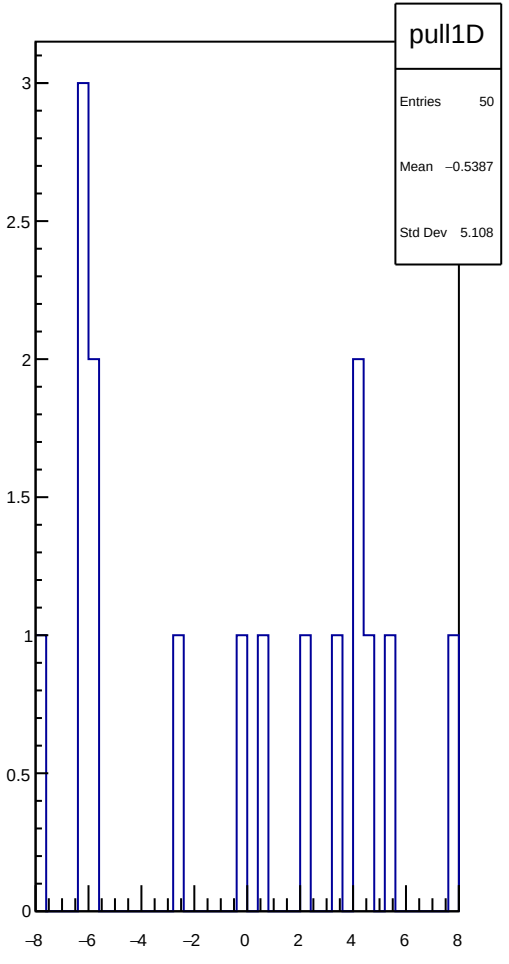

pull1D
Entries 50
Mean −2.431
Std Dev 2.863

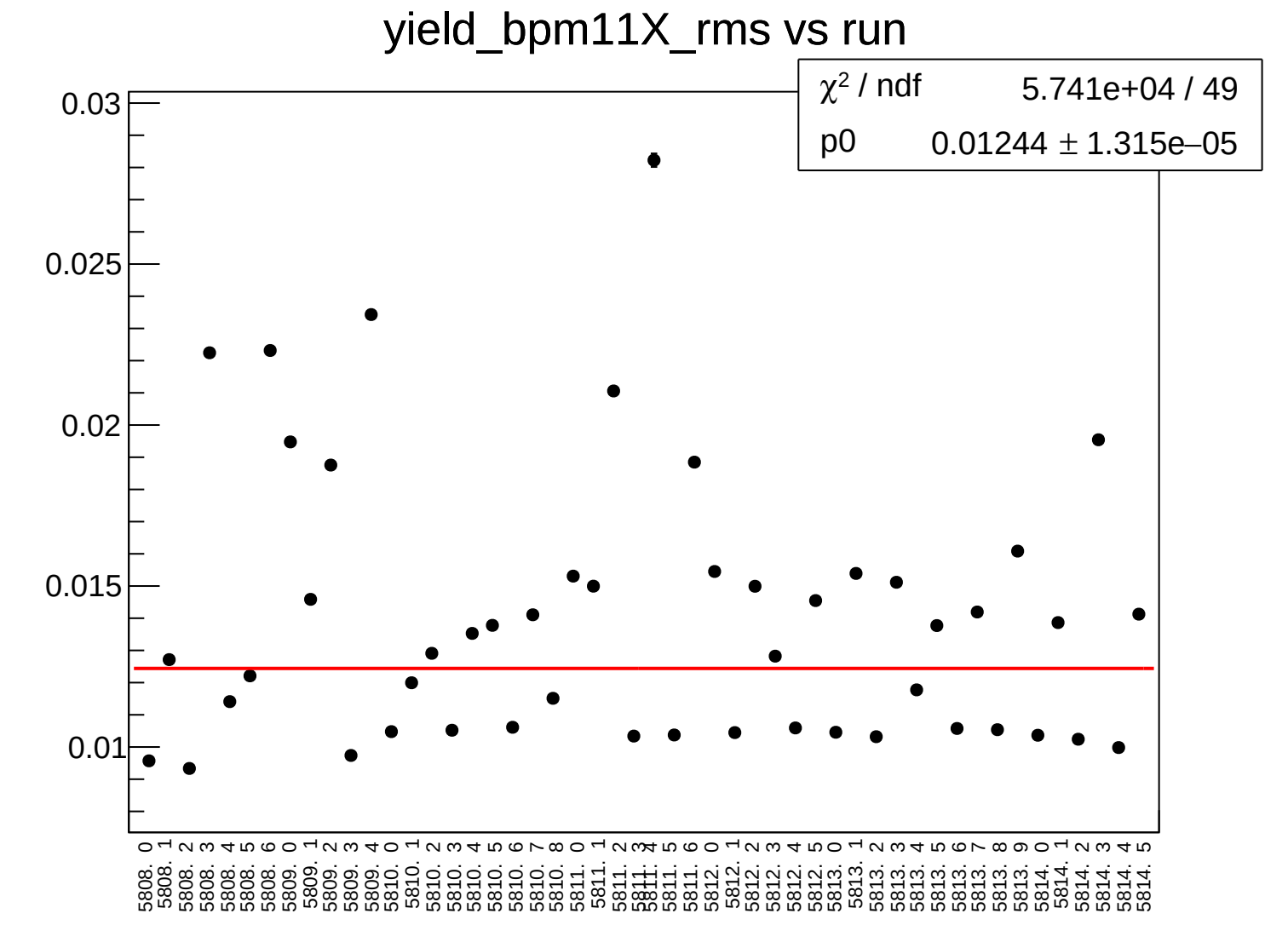

yield_bpm1X_rms vs run
χ² / ndf 2.359e+05 / 49
p0 0.07987 ± 9.438e–05
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

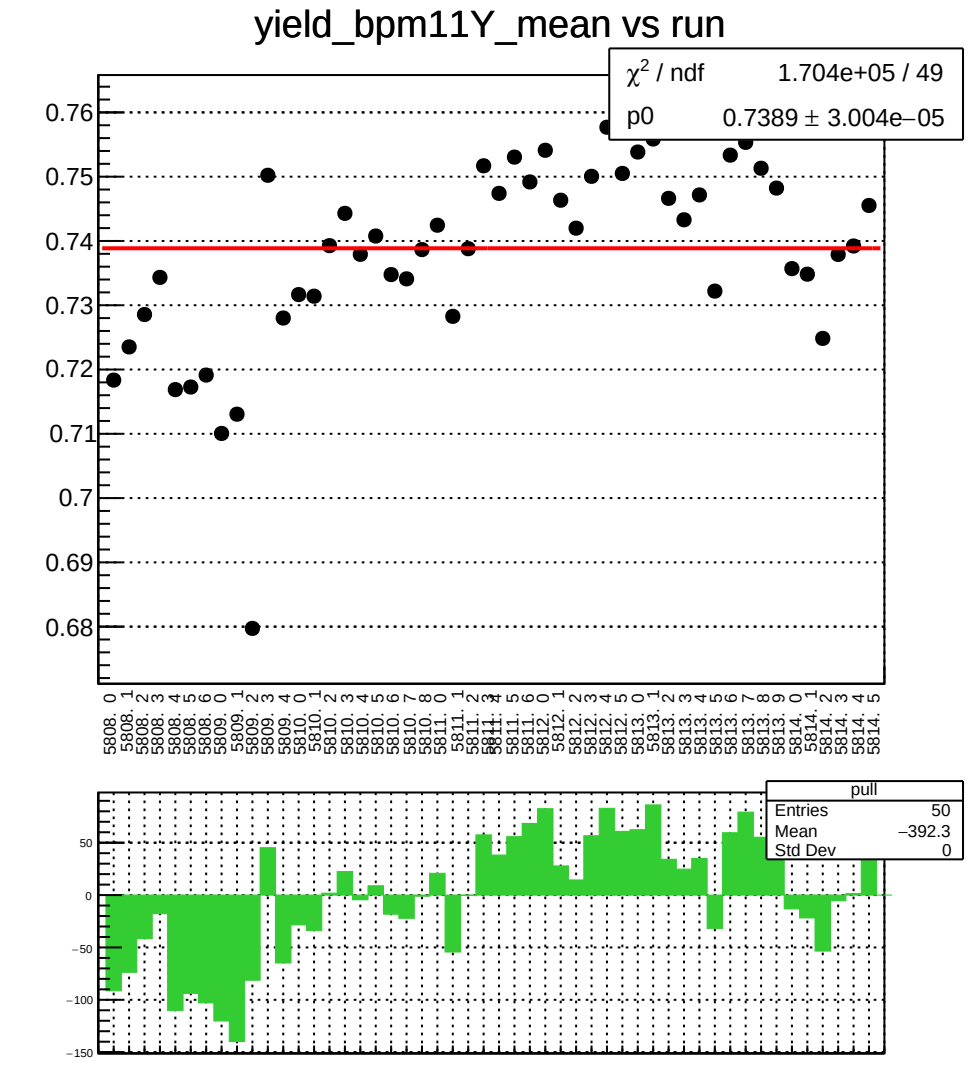

yield_bpm1Y_mean vs run
χ² / ndf 9.931e+07 / 49
p0 −0.4956 ± 0.0001319
pull
Entries 50
Mean −23.74
Std Dev 0
pull1D
Entries 50
Mean 0
Std Dev 0

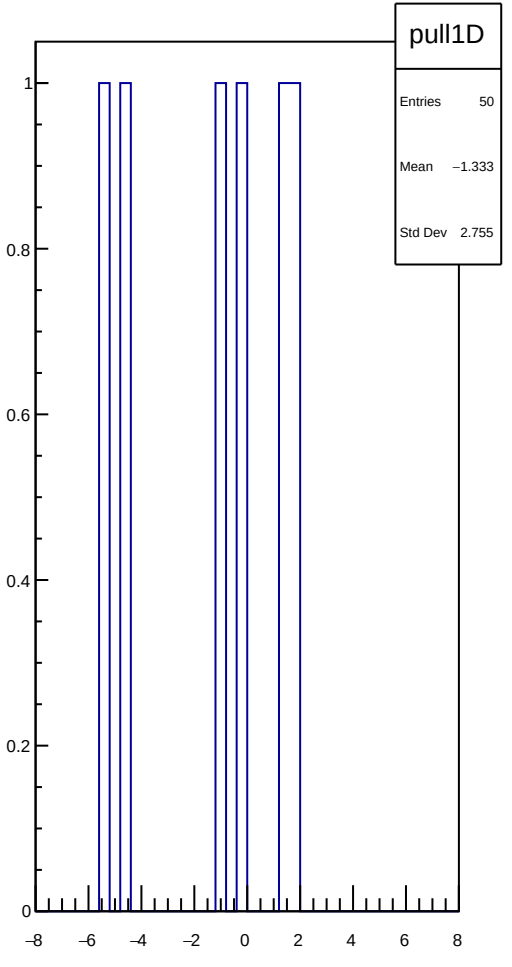

yield_bpm1Y_rms vs run
χ² / ndf 1.548e+05 / 49
p0 0.08329 ± 9.328e–05
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

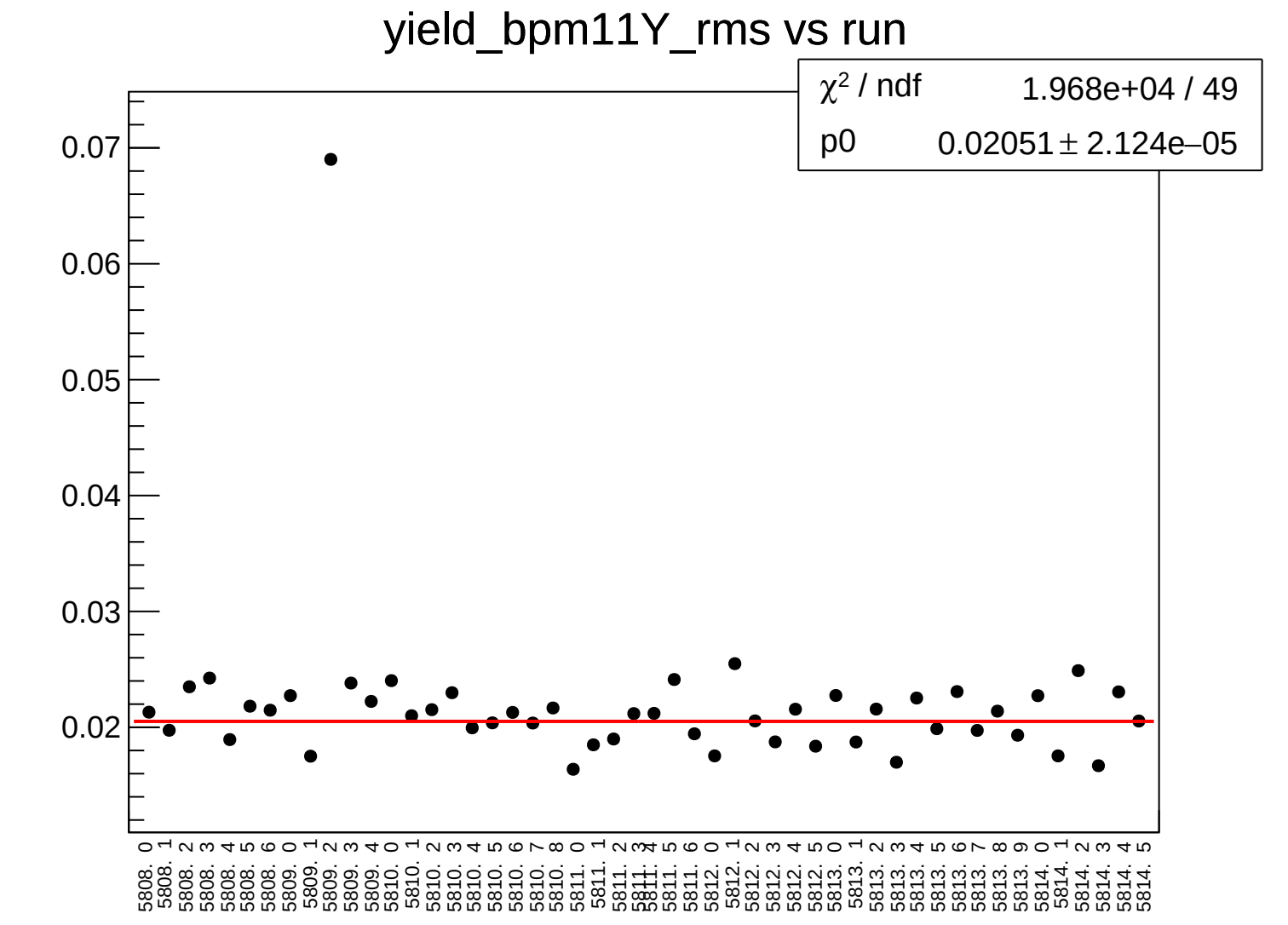

yield_bpm11X_mean vs run
χ² / ndf 2.544e+04 / 49
p0 0.947 ± 1.86e−05
0.96
0.955
0.95
0.945
0.94
0.935
0.93
pull
Entries 50
Mean 5.53
Std Dev 0
60
40
20
0
−20
−40
−60
−80

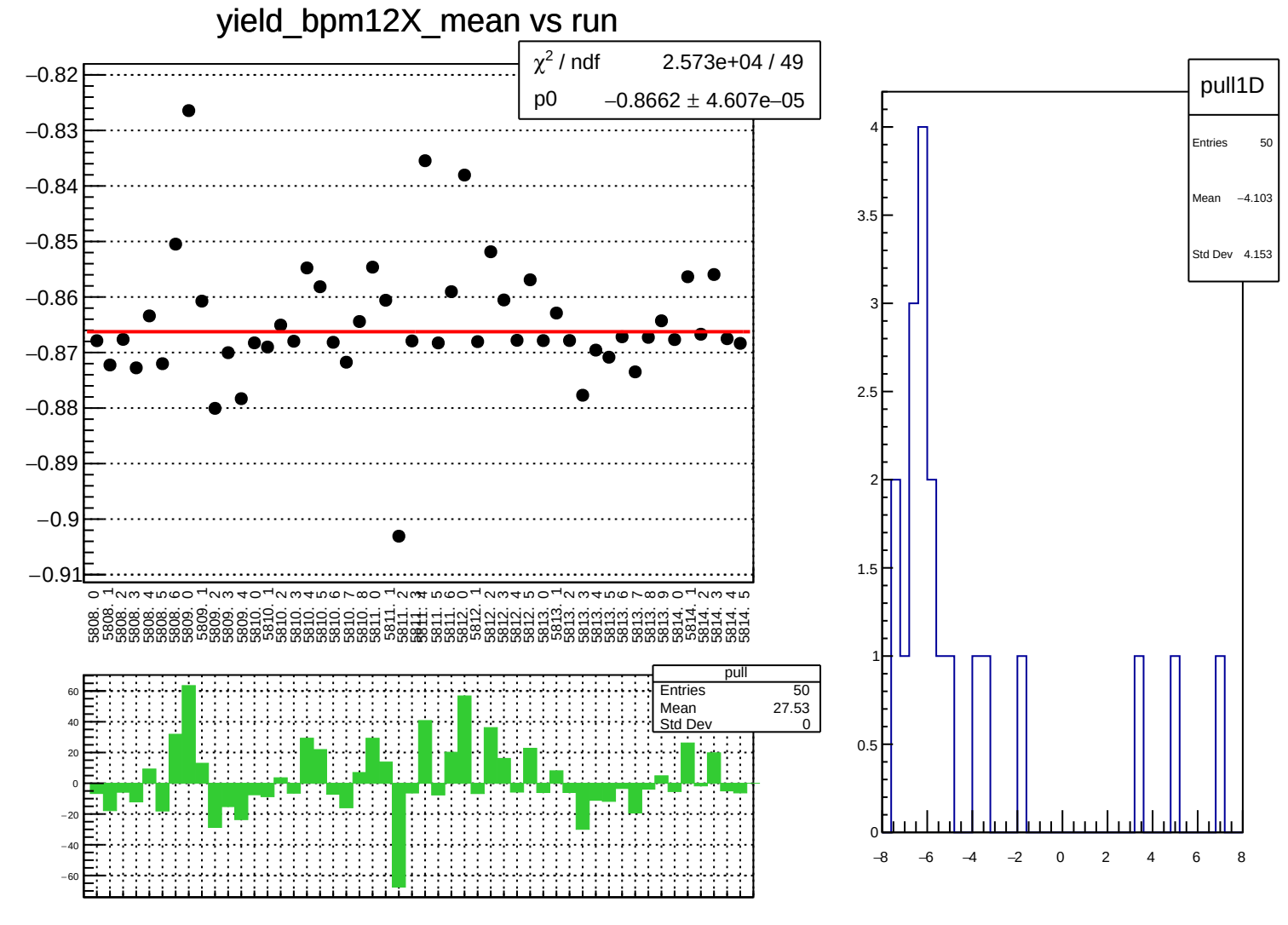

pull1D
Entries 50
Mean −0.5387
Std Dev 5.108
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

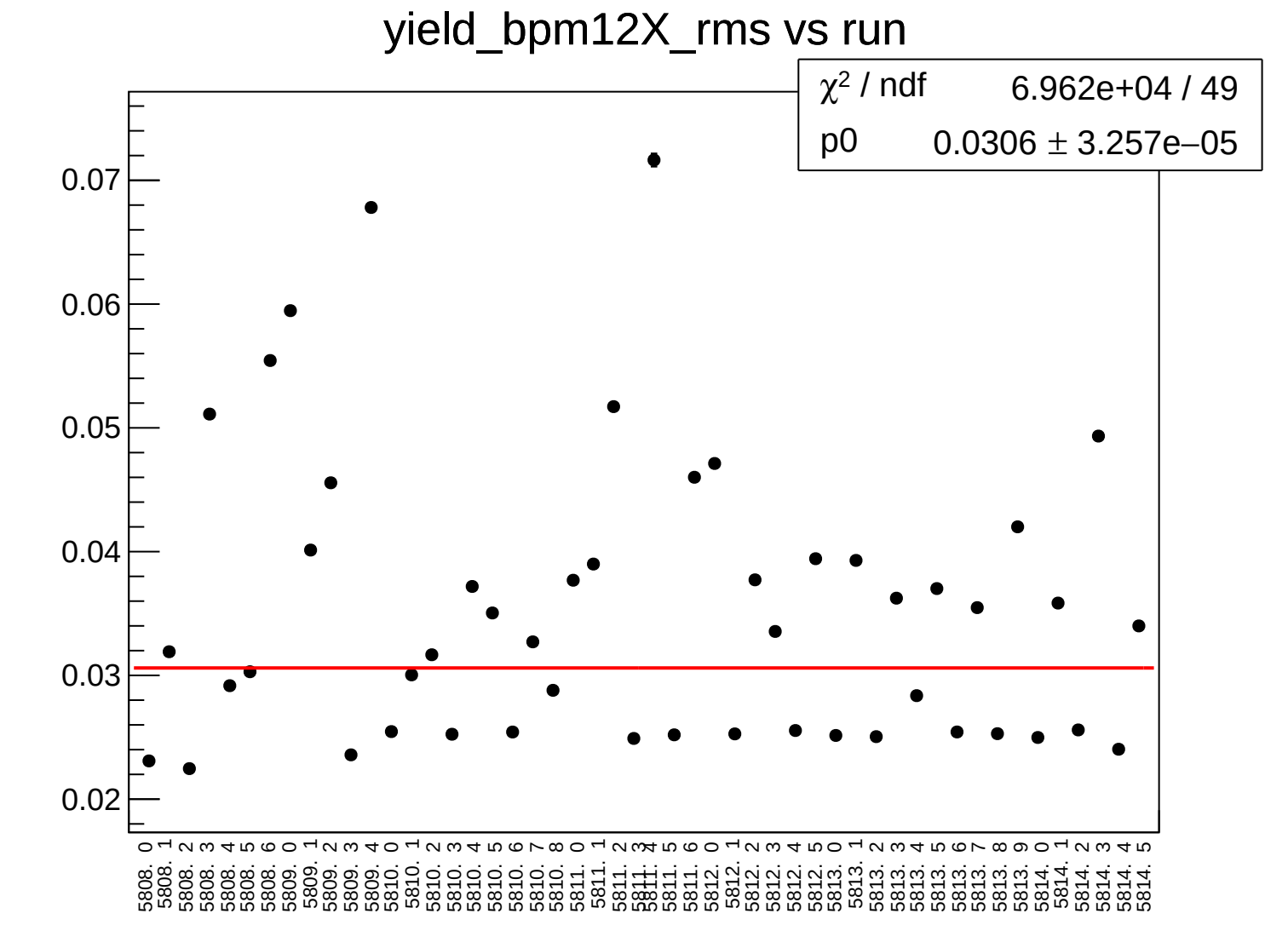

yield_bpm11X_rms vs run
χ² / ndf 5.741e+04 / 49
p0 0.01244 ± 1.315e−05
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

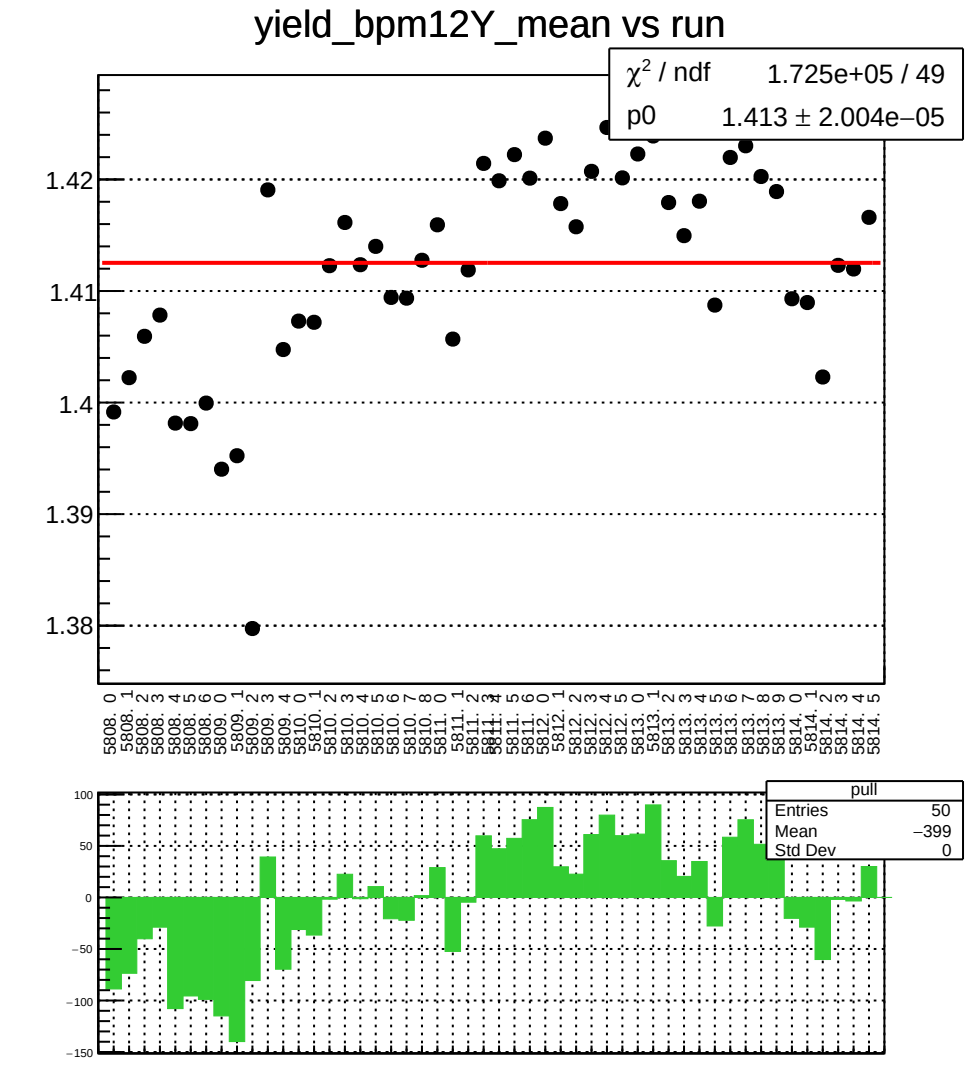

yield_bpm11Y_mean vs run
χ² / ndf 1.704e+05 / 49
p0 0.7389 ± 3.004e−05
0.76
0.75
0.74
0.73
0.72
0.71
0.7
0.69
0.68
pull
Entries 50
Mean −392.3
Std Dev 0
50
0
−50
−100
−150

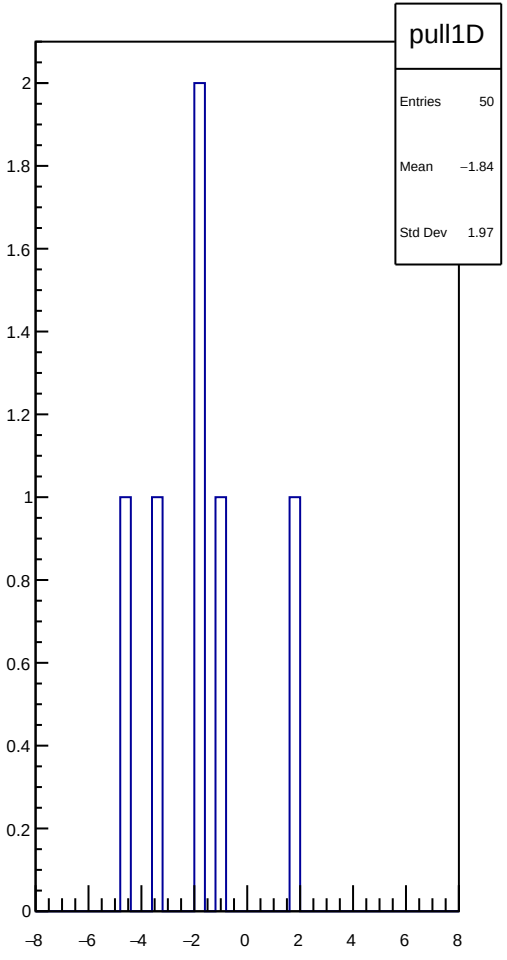

pull1D
Entries 50
Mean −1.333
Std Dev 2.755
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

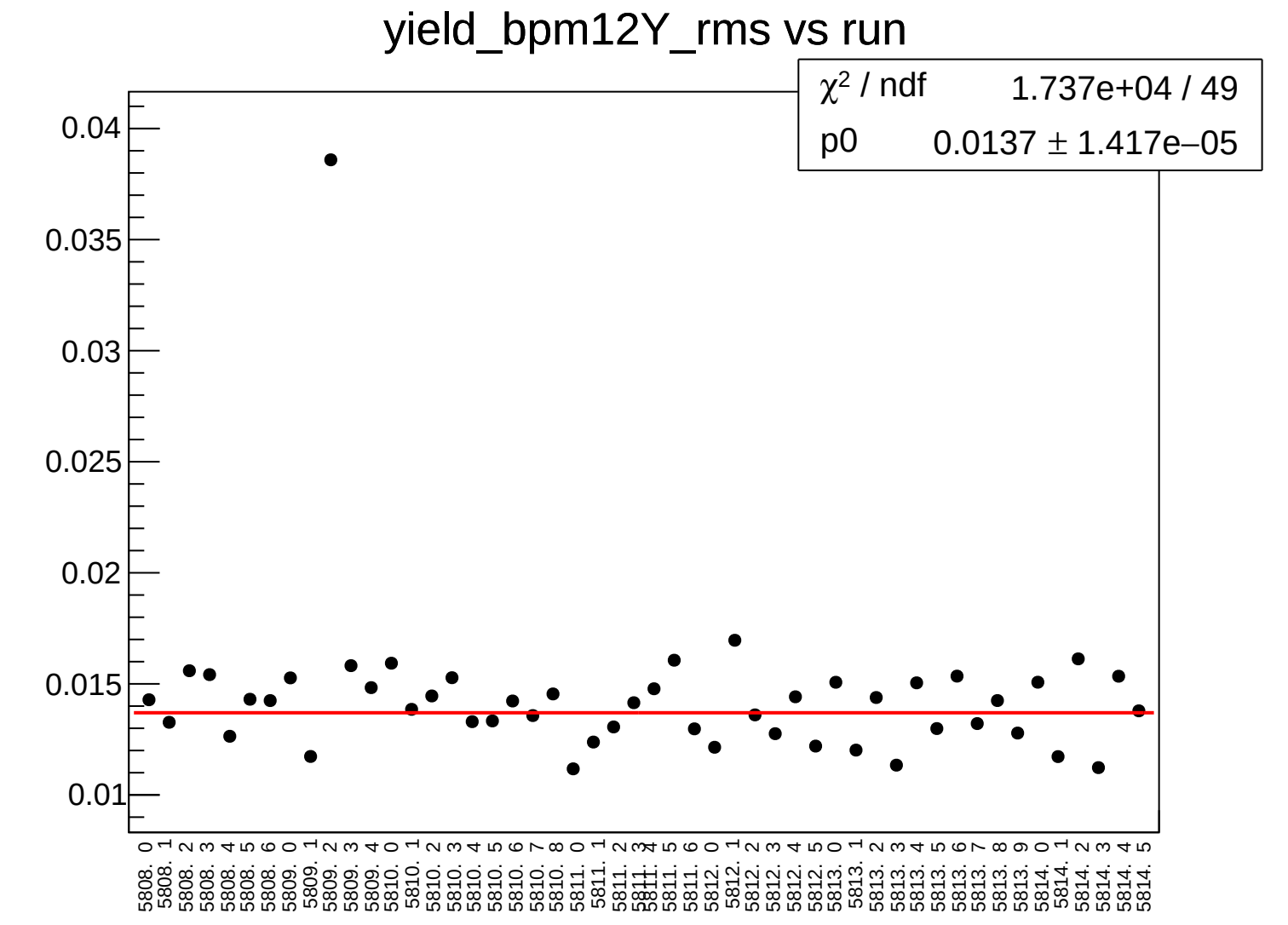

yield_bpm11Y_rms vs run
χ² / ndf 1.968e+04 / 49
p0 0.02051 ± 2.124e–05
0.07
0.06
0.05
0.04
0.03
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

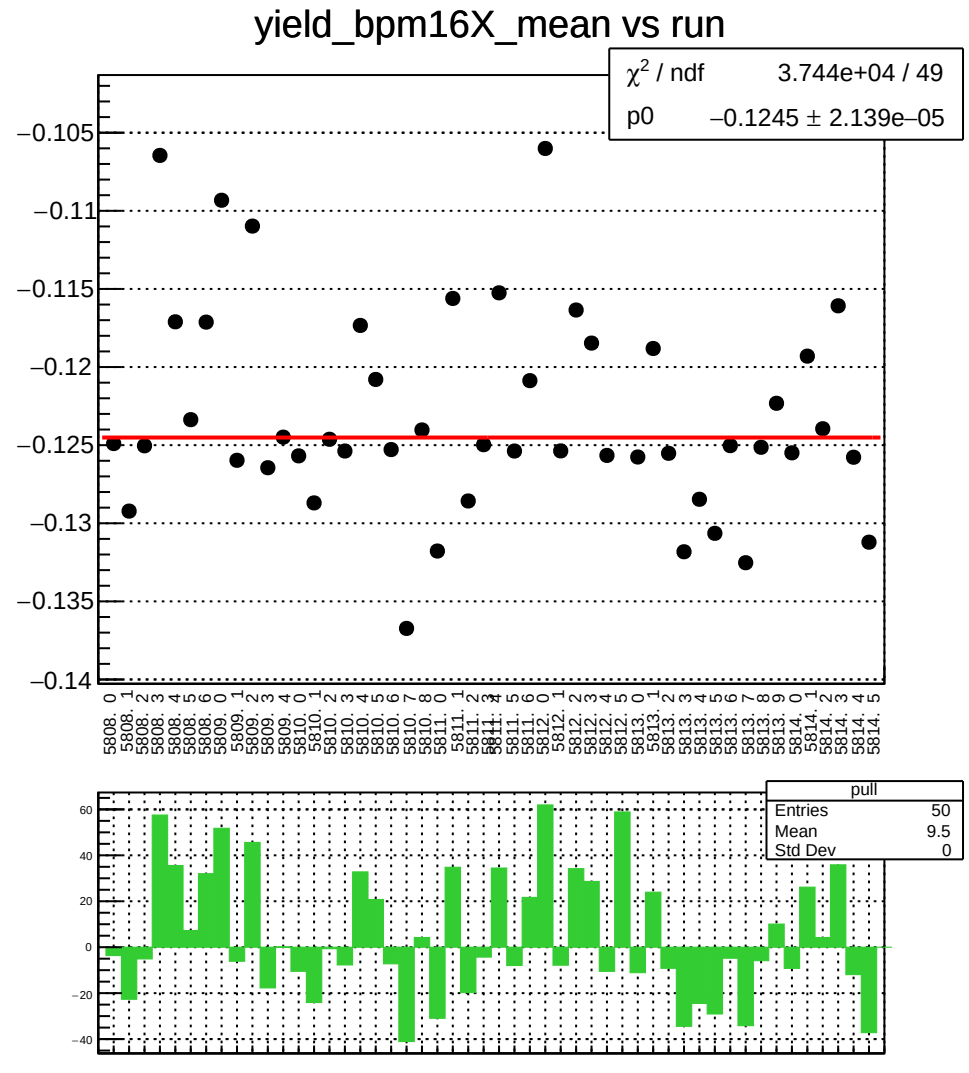

yield_bpm12X_mean vs run
χ² / ndf 2.573e+04 / 49
p0 −0.8662 ± 4.607e−05
pull
Entries 50
Mean 27.53
Std Dev 0
pull1D
Entries 50
Mean −4.103
Std Dev 4.153

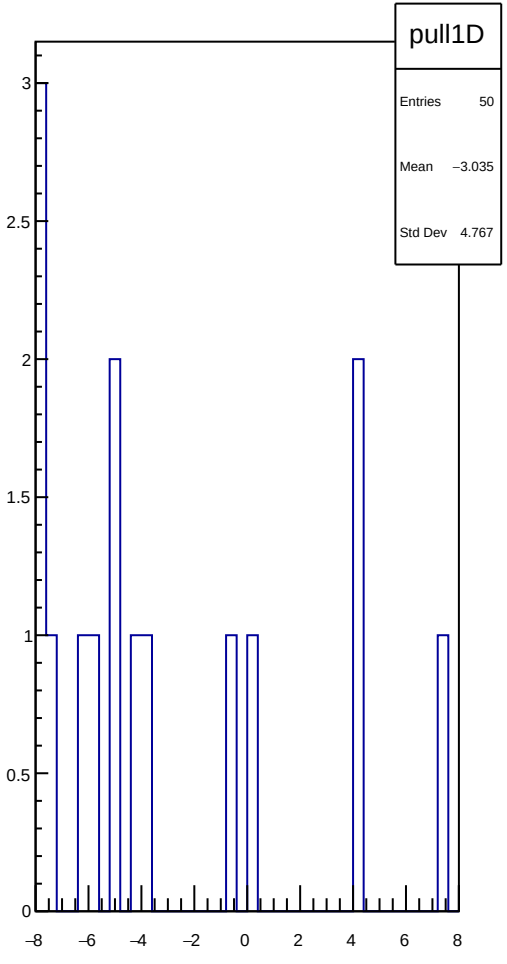

yield_bpm12X_rms vs run
χ² / ndf 6.962e+04 / 49
p0 0.0306 ± 3.257e−05
0.07
0.06
0.05
0.04
0.03
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

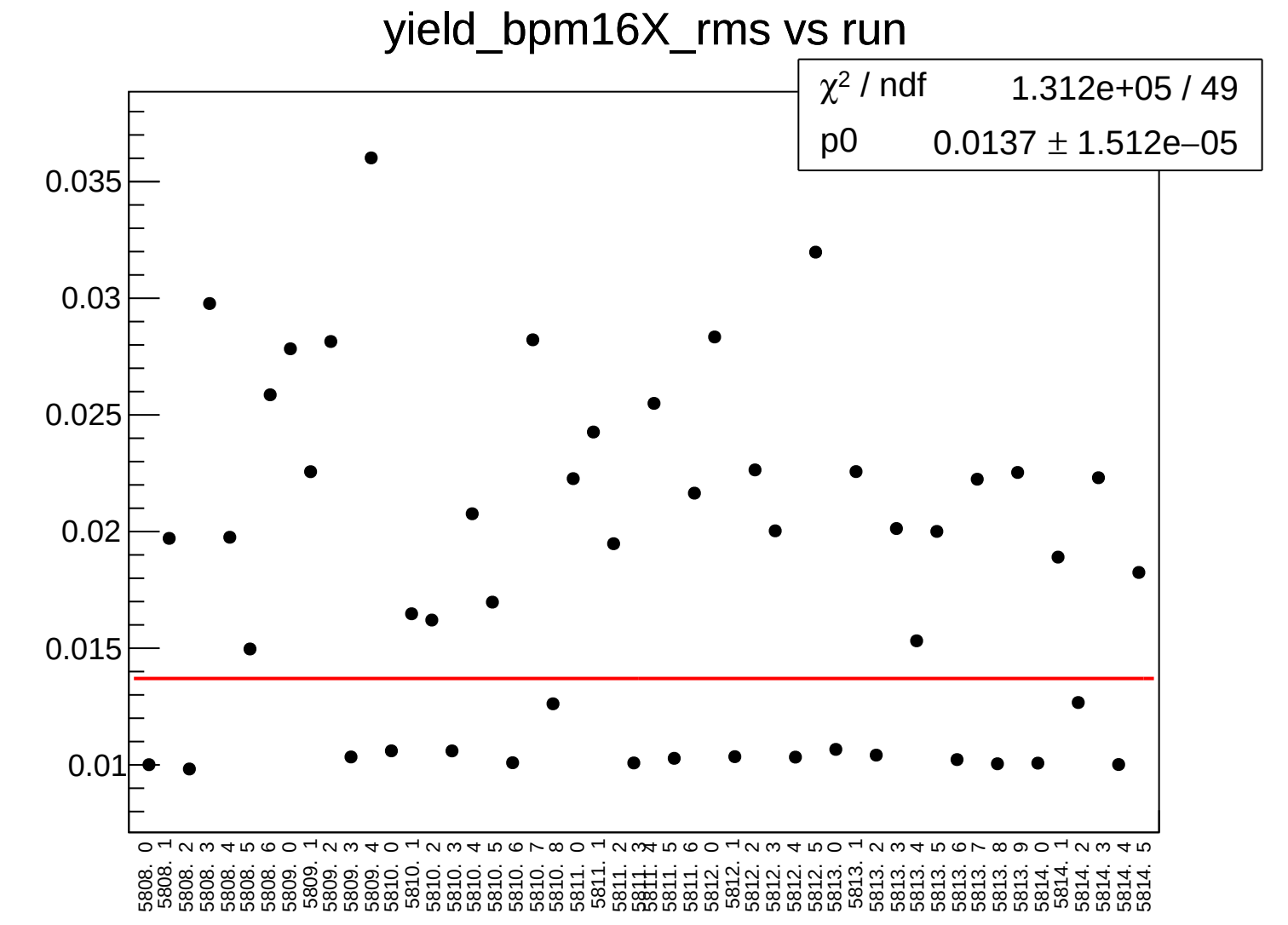

yield_bpm12Y_mean vs run
χ² / ndf 1.725e+05 / 49
p0 1.413 ± 2.004e−05
1.42
1.41
1.4
1.39
1.38
pull
Entries 50
Mean −399
Std Dev 0
100
50
0
−50
−100
−150

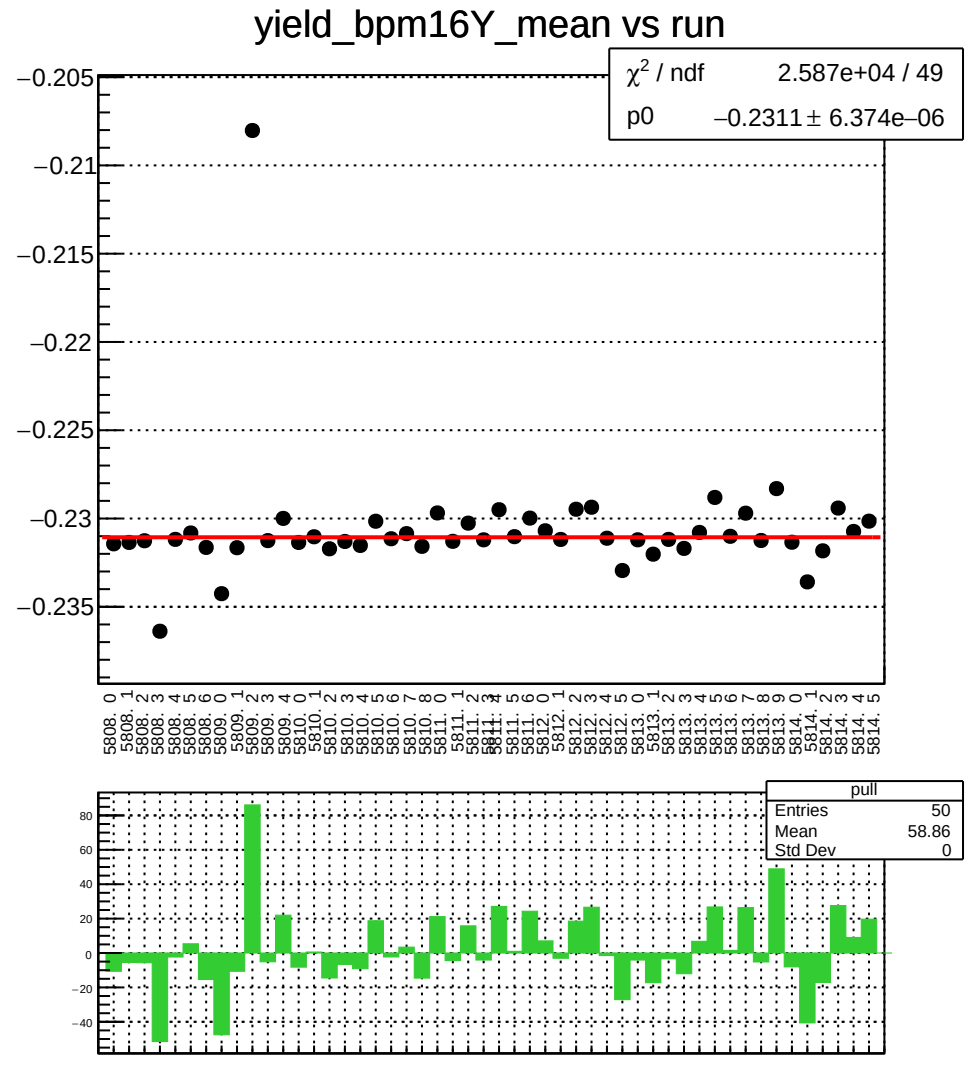

pull1D
Entries 50
Mean −1.84
Std Dev 1.97
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

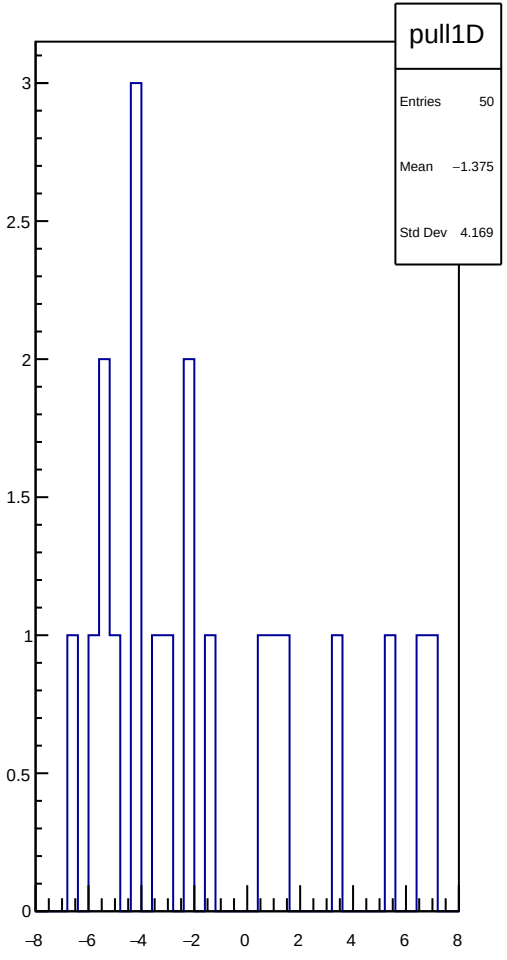

yield_bpm12Y_rms vs run
χ² / ndf 1.737e+04 / 49
p0 0.0137 ± 1.417e−05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

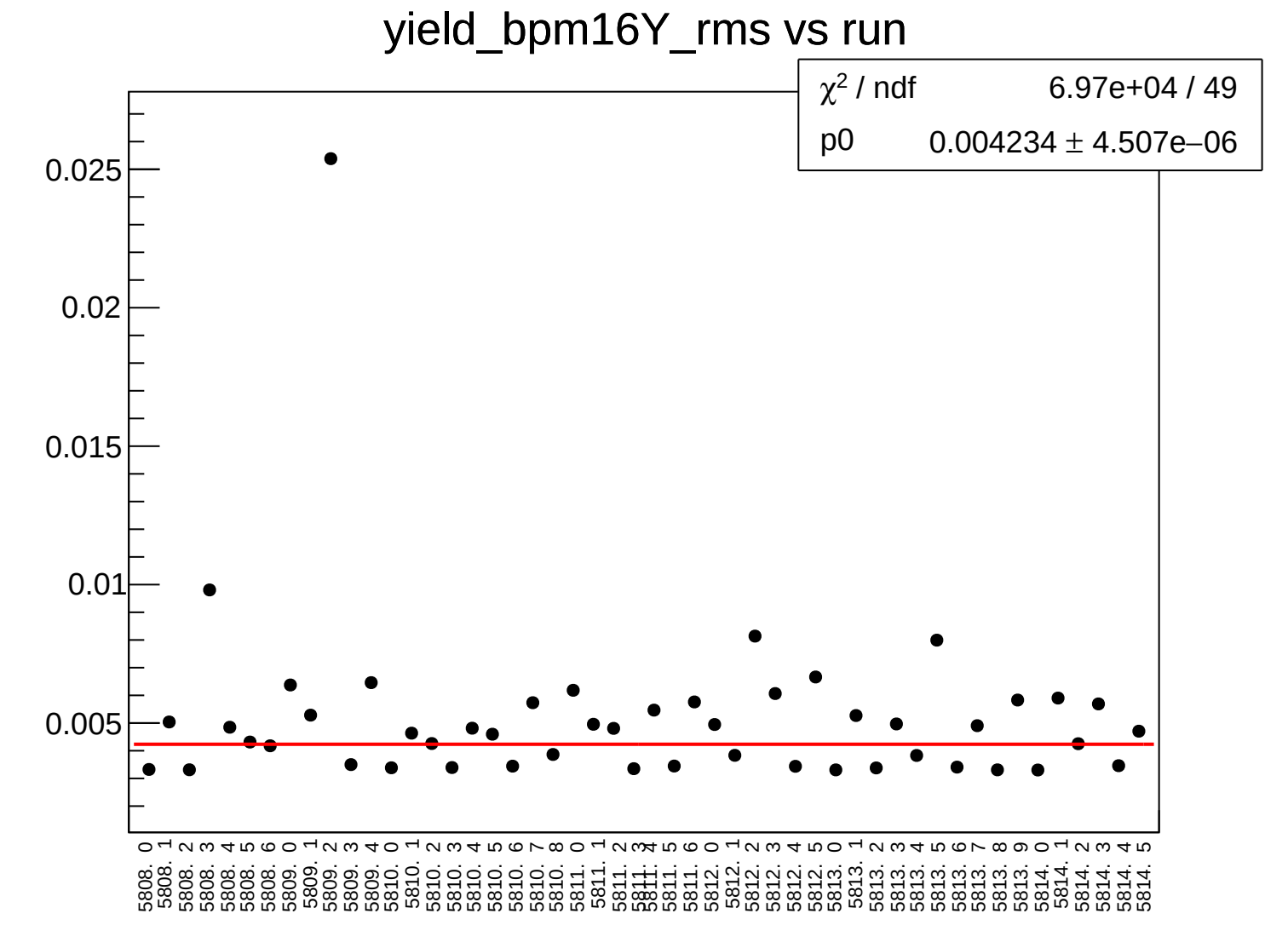

yield_bpm16X_mean vs run
χ² / ndf 3.744e+04 / 49
p0 −0.1245 ± 2.139e−05
−0.105
−0.11
−0.115
−0.12
−0.125
−0.13
−0.135
−0.14
pull
Entries 50
Mean 9.5
Std Dev 0
60
40
20
0
−20
−40

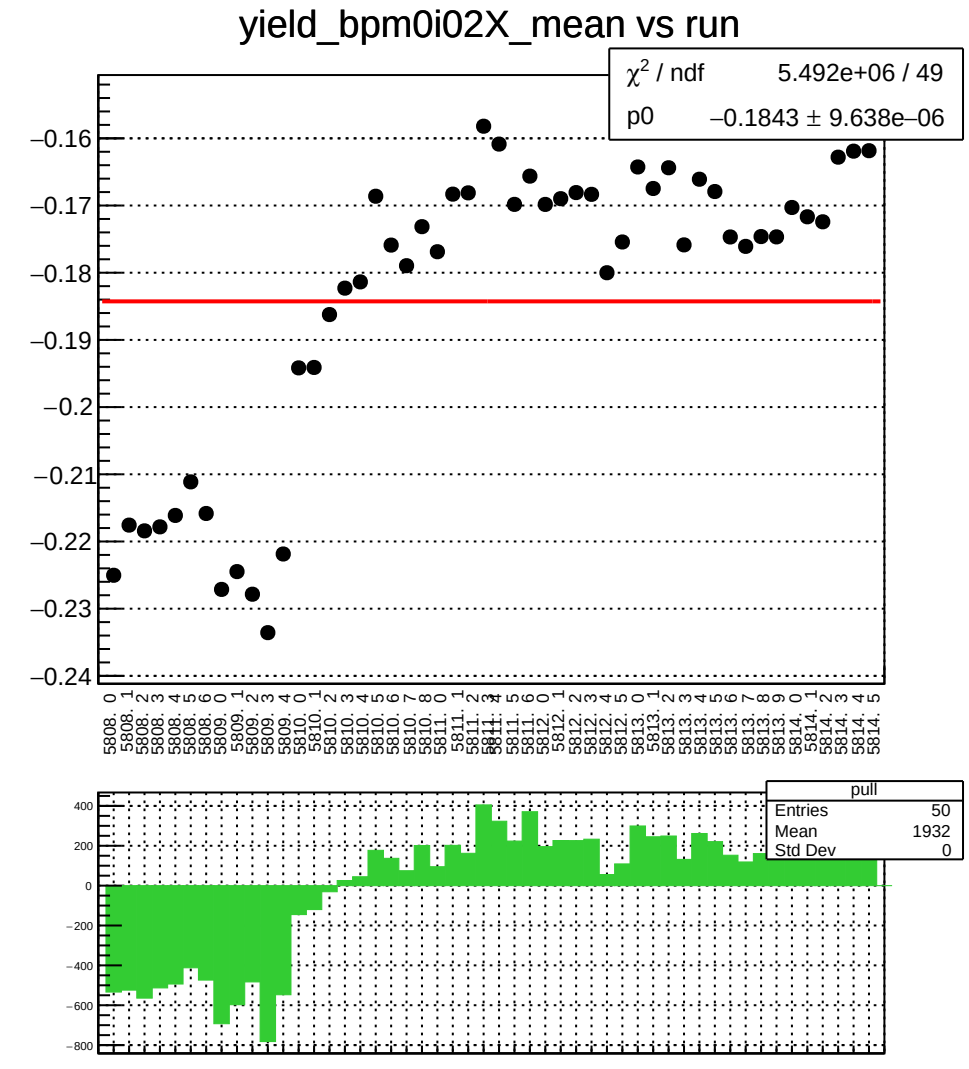

pull1D
Entries 50
Mean −3.035
Std Dev 4.767
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

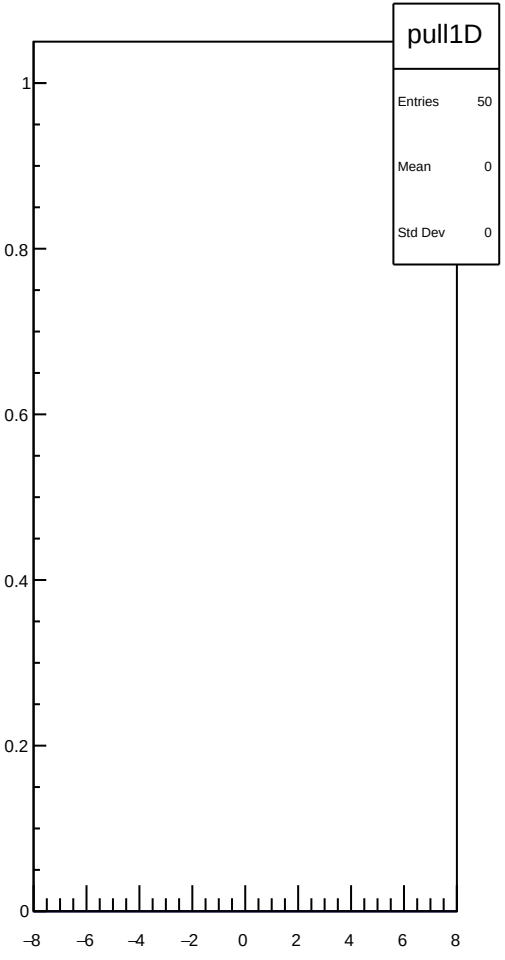

yield_bpm16X_rms vs run
χ² / ndf 1.312e+05 / 49
p0 0.0137 ± 1.512e−05
0.035
0.03
0.025
0.02
0.015
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

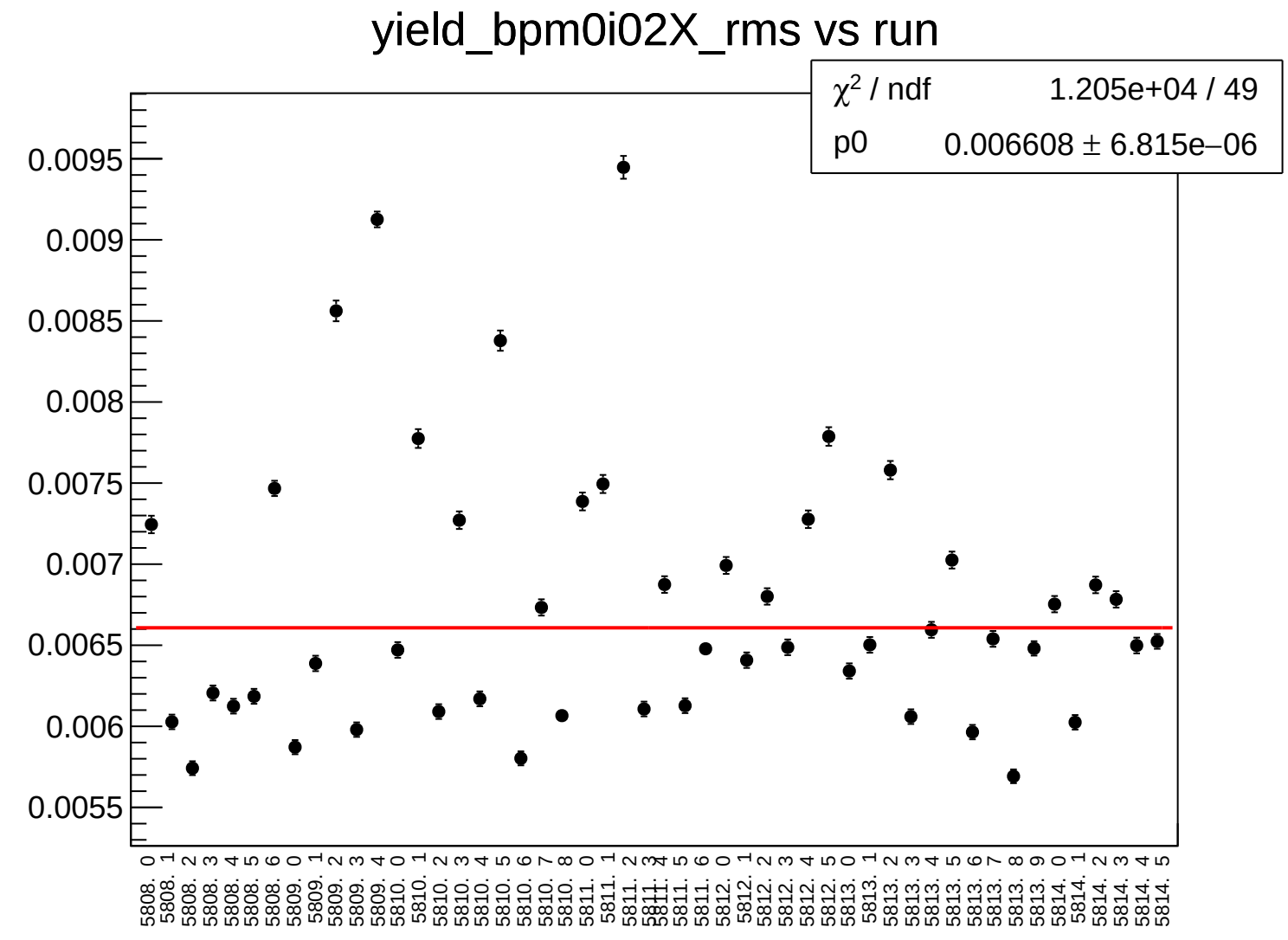

yield_bpm16Y_mean vs run
χ² / ndf 2.587e+04 / 49
p0 −0.2311 ± 6.374e−06
−0.205
−0.21
−0.215
−0.22
−0.225
−0.23
−0.235
pull
Entries 50
Mean 58.86
Std Dev 0
80
60
40
20
0
−20
−40

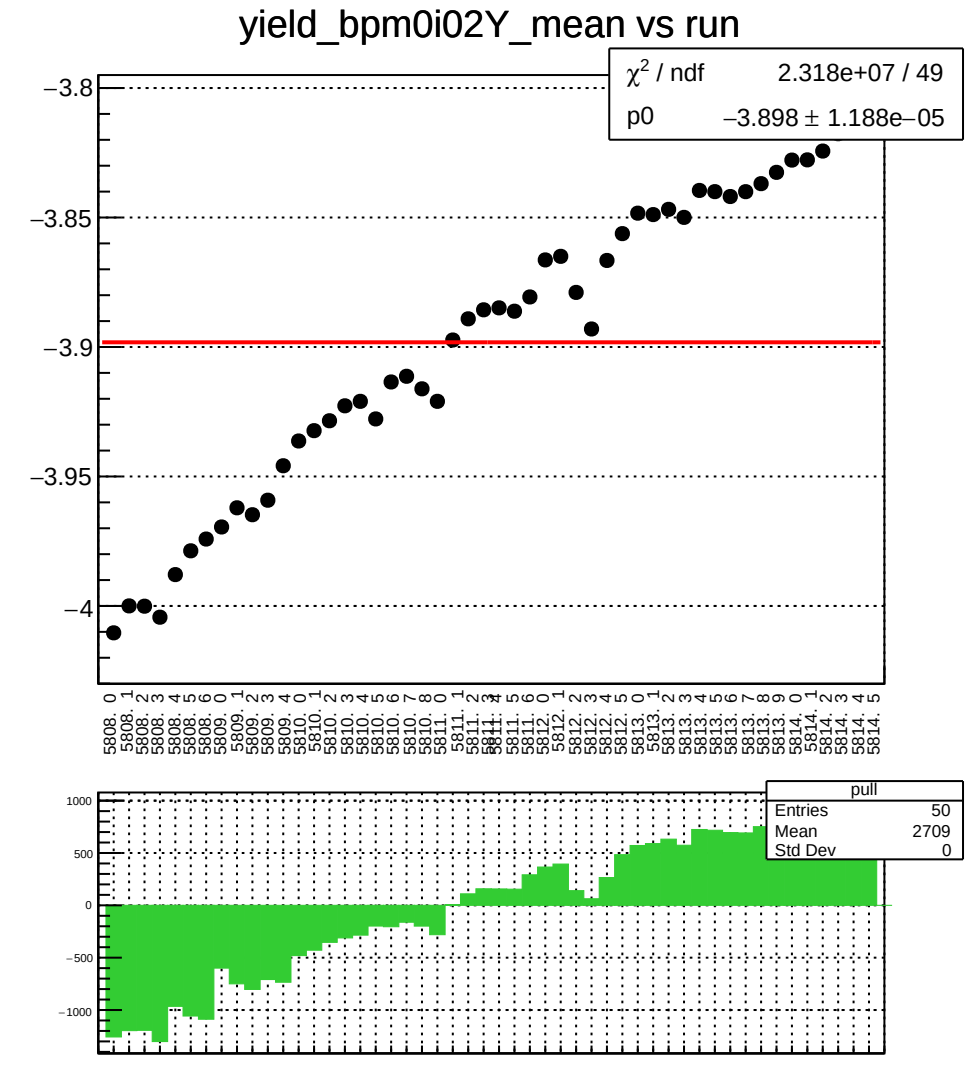

pull1D
Entries 50
Mean −1.375
Std Dev 4.169
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

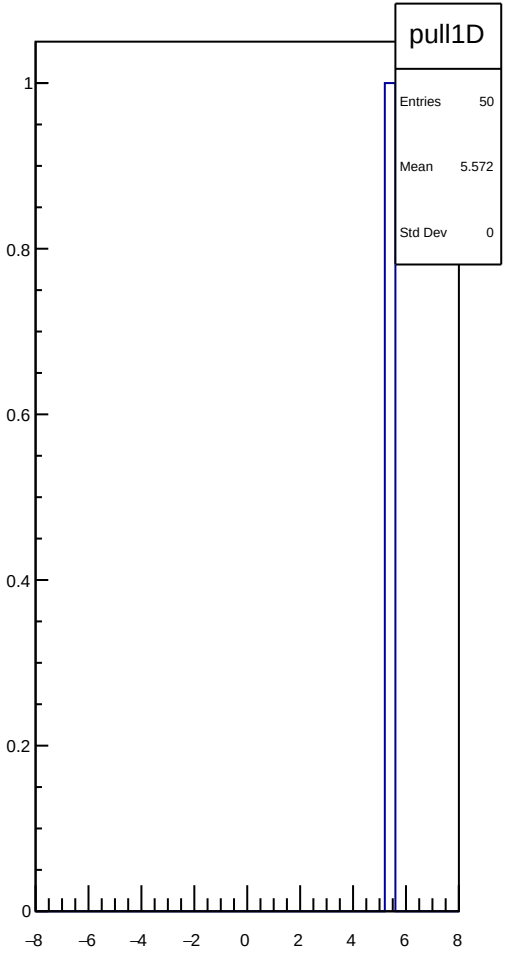

yield_bpm16Y_rms vs run
χ² / ndf 6.97e+04 / 49
p0 0.004234 ± 4.507e−06
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

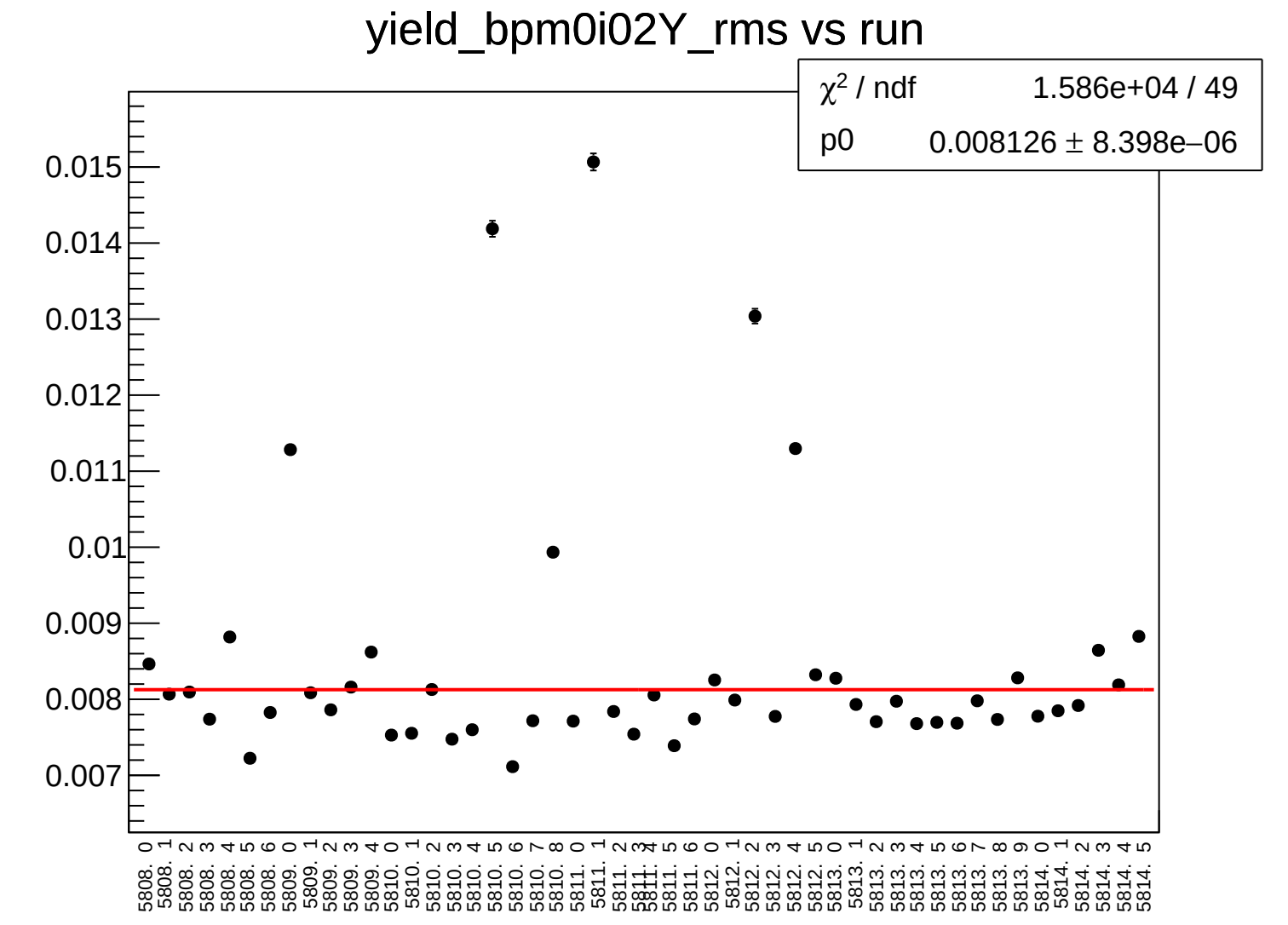

yield_bpm0i02X_mean vs run
χ² / ndf 5.492e+06 / 49
p0 −0.1843 ± 9.638e−06
pull
Entries 50
Mean 1932
Std Dev 0

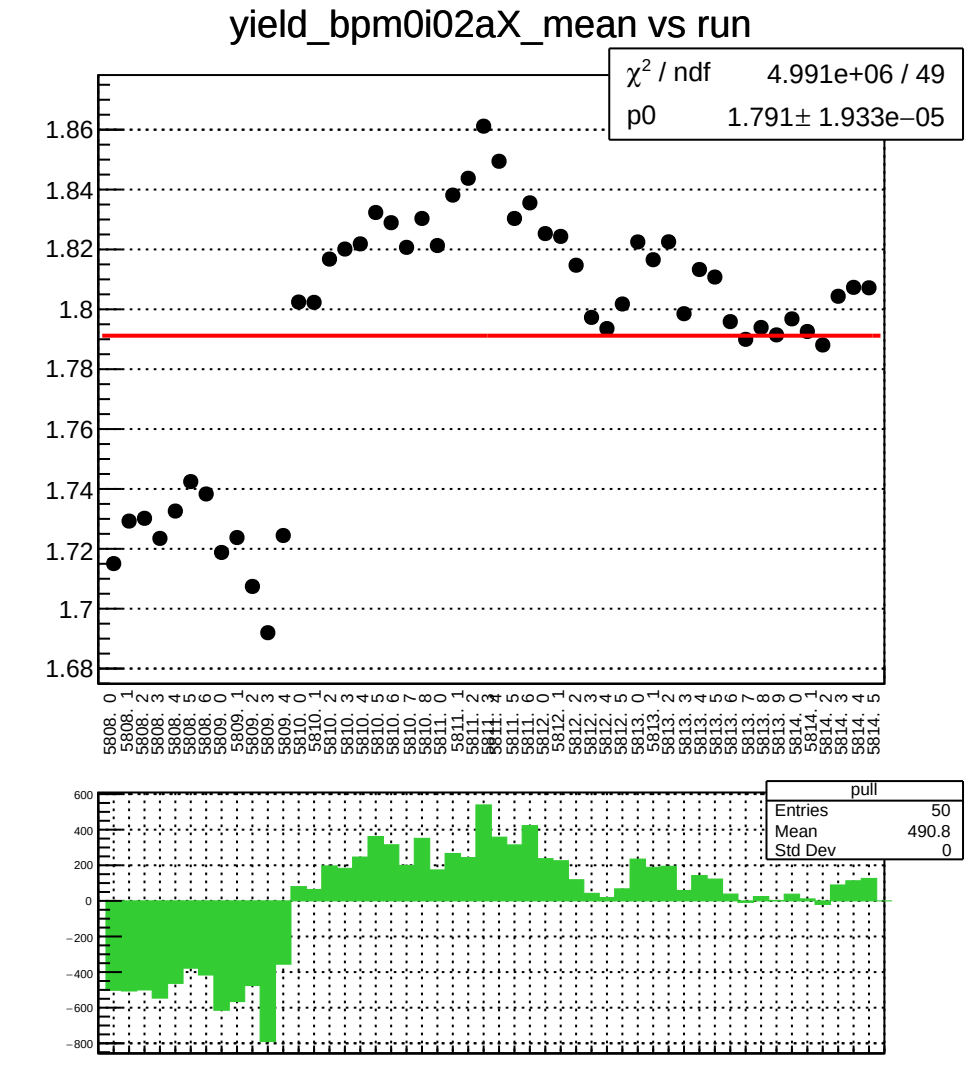

pull1D
Entries 50
Mean 0
Std Dev 0

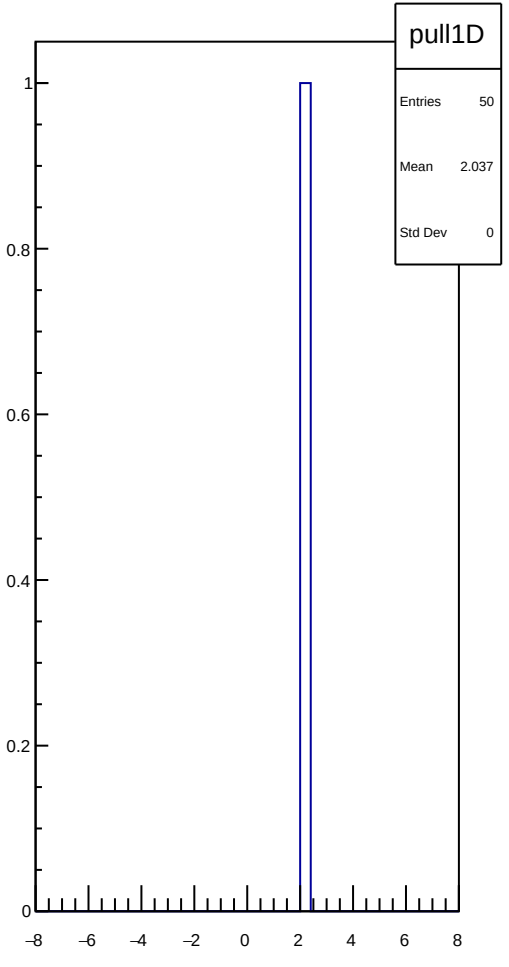

yield_bpm0i02X_rms vs run
χ² / ndf 1.205e+04 / 49
p0 0.006608 ± 6.815e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

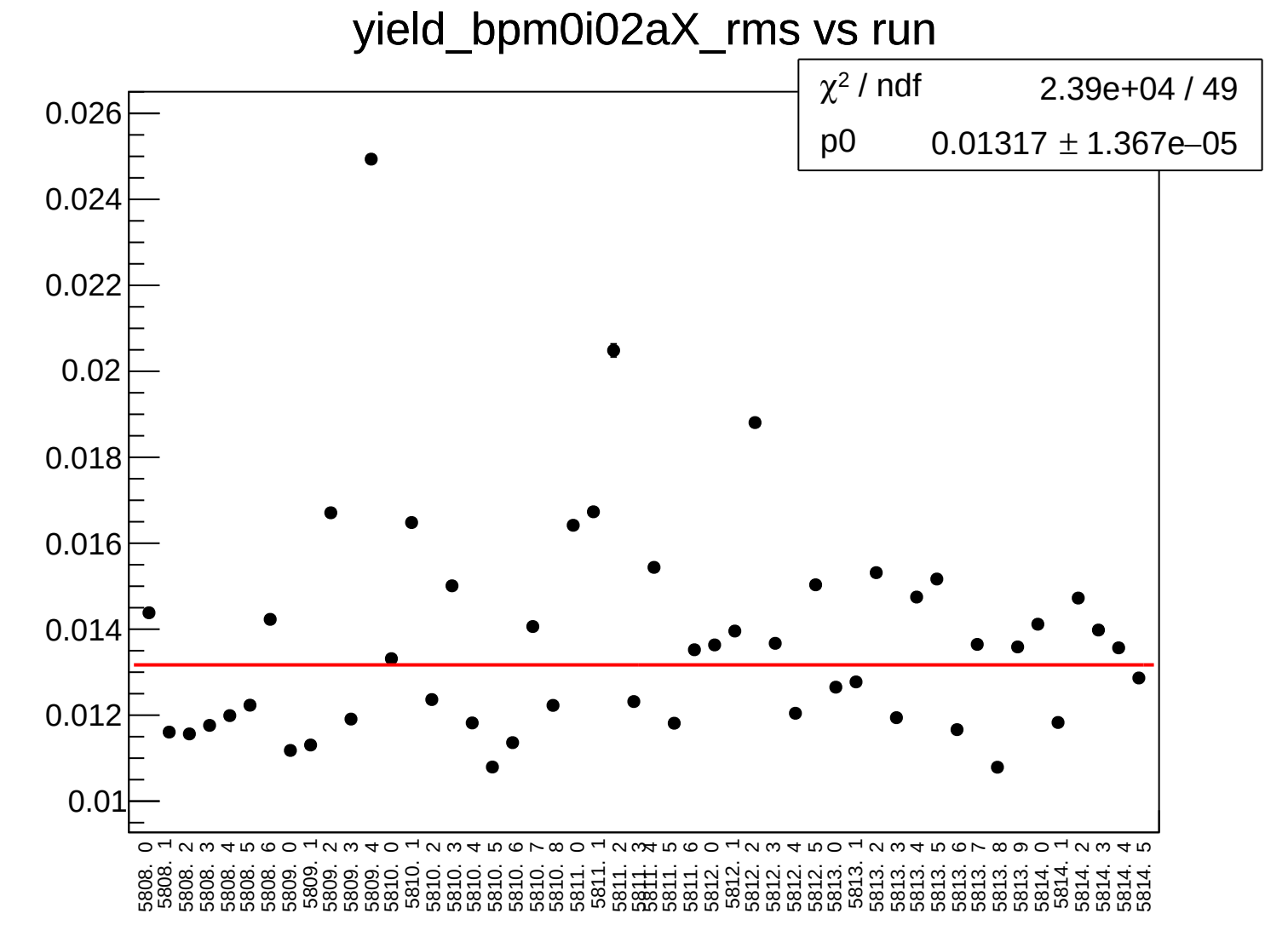

yield_bpm0i02Y_mean vs run
χ² / ndf 2.318e+07 / 49
p0 −3.898 ± 1.188e−05
−3.8
−3.85
−3.9
−3.95
−4
pull
Entries 50
Mean 2709
Std Dev 0
1000
500
0
−500
−1000

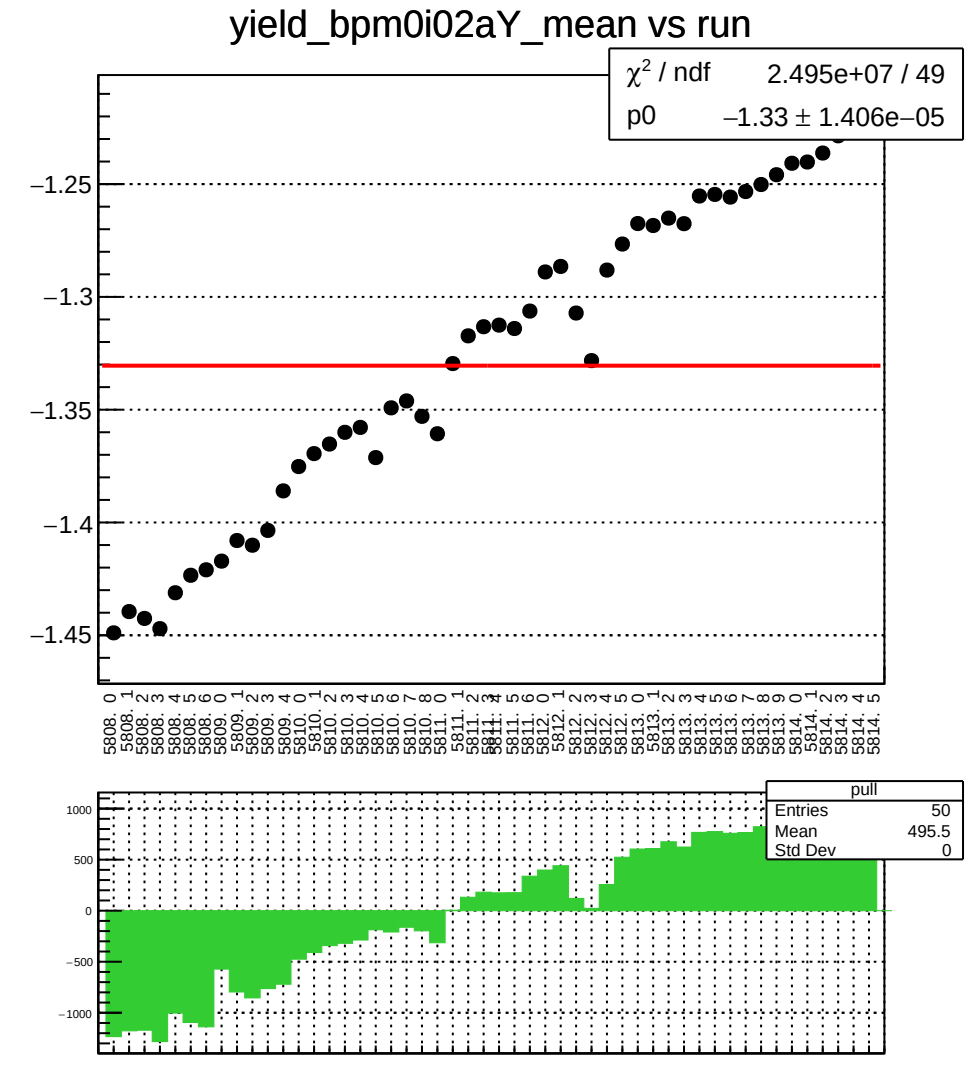

pull1D
Entries 50
Mean 5.572
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

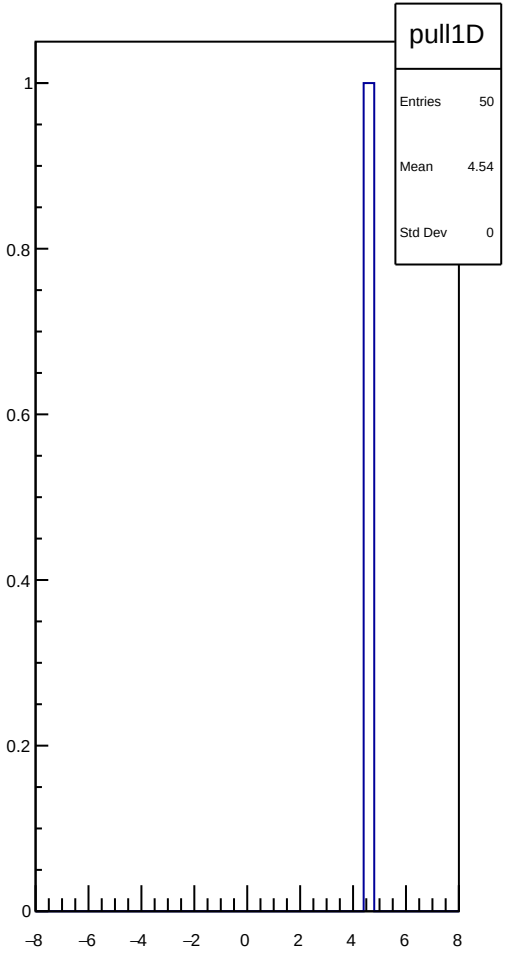

yield_bpm0i02Y_rms vs run
χ² / ndf 1.586e+04 / 49
p0 0.008126 ± 8.398e−06
0.015
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

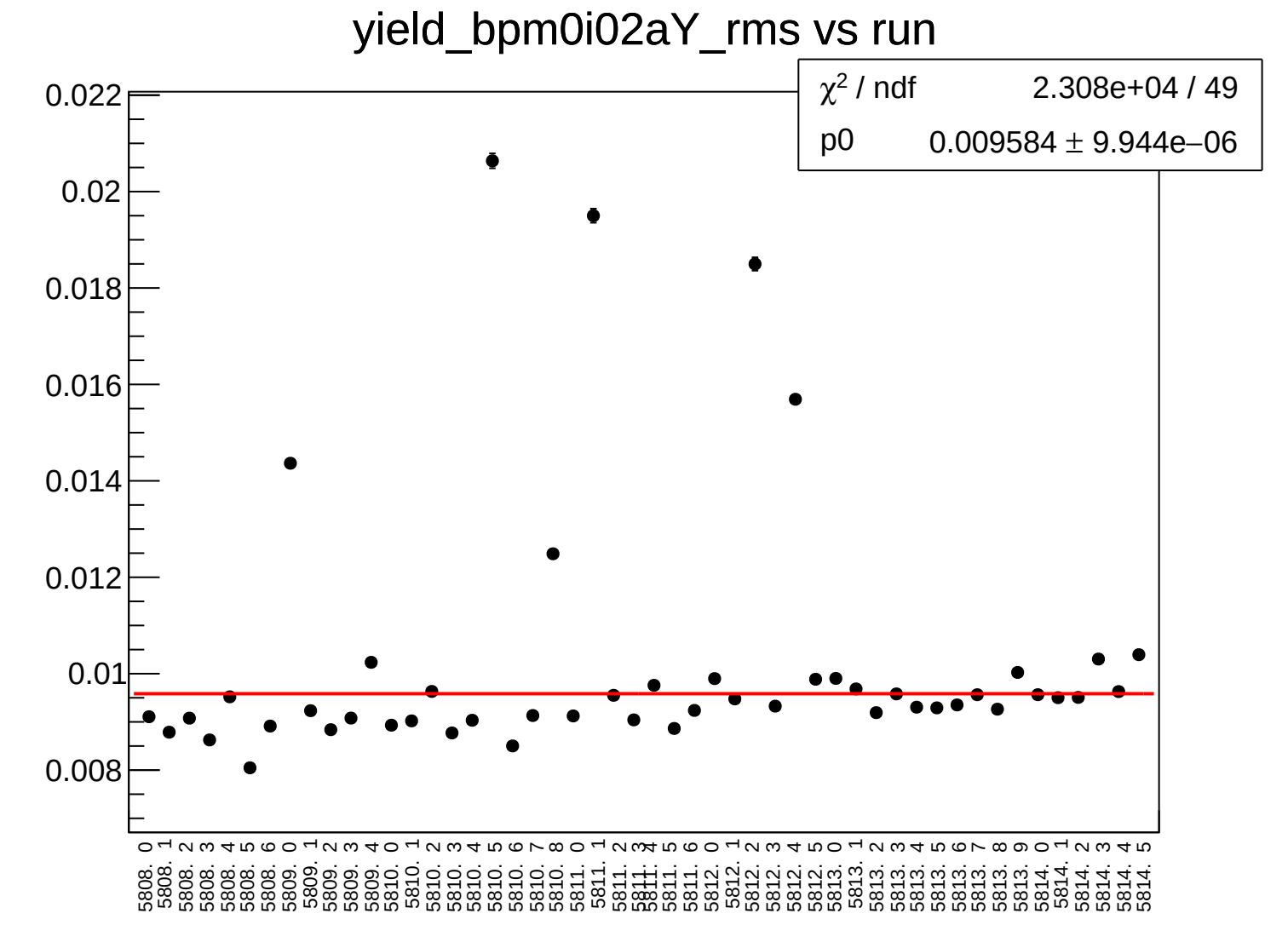

yield_bpm0i02aX_mean vs run
χ² / ndf 4.991e+06 / 49
p0 1.791± 1.933e−05
1.86
1.84
1.82
1.8
1.78
1.76
1.74
1.72
1.7
1.68
pull
Entries 50
Mean 490.8
Std Dev 0
600
400
200
0
−200
−400
−600
−800

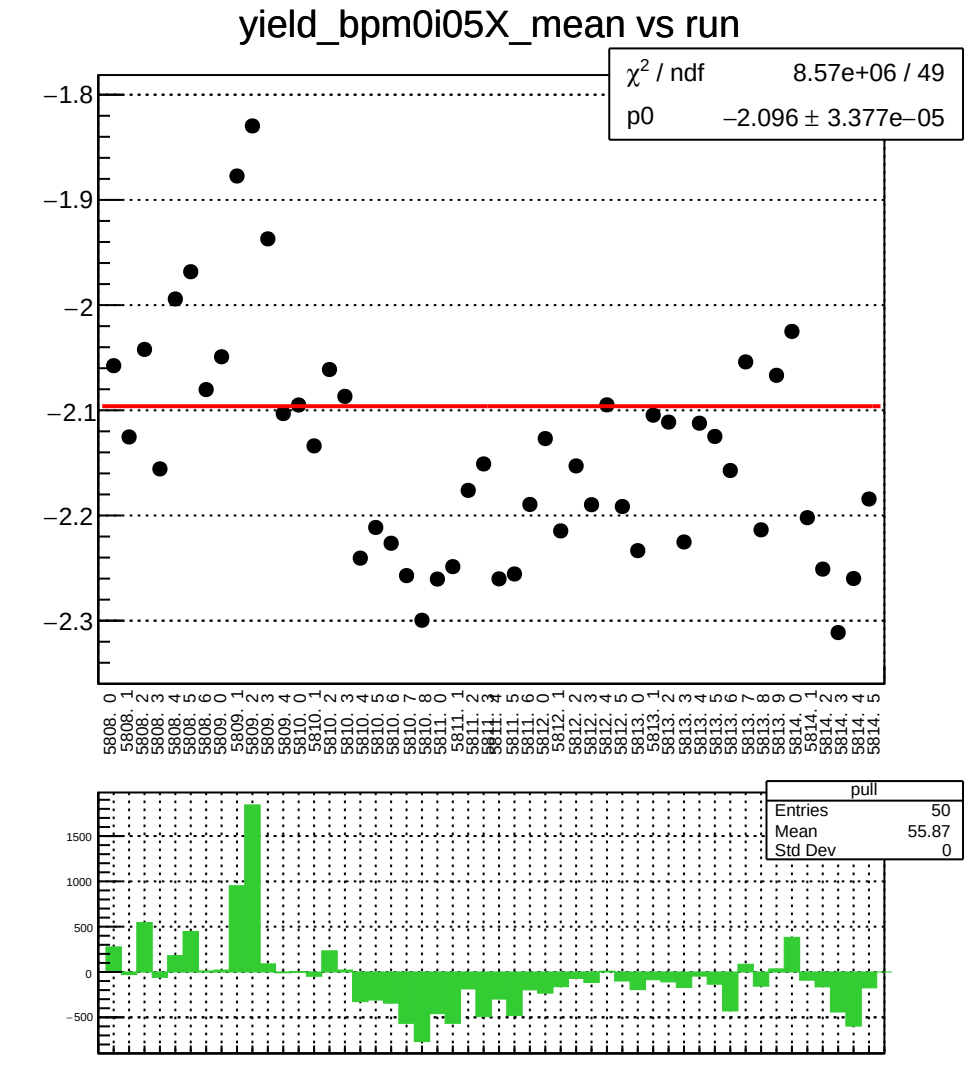

pull1D
Entries 50
Mean 2.037
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

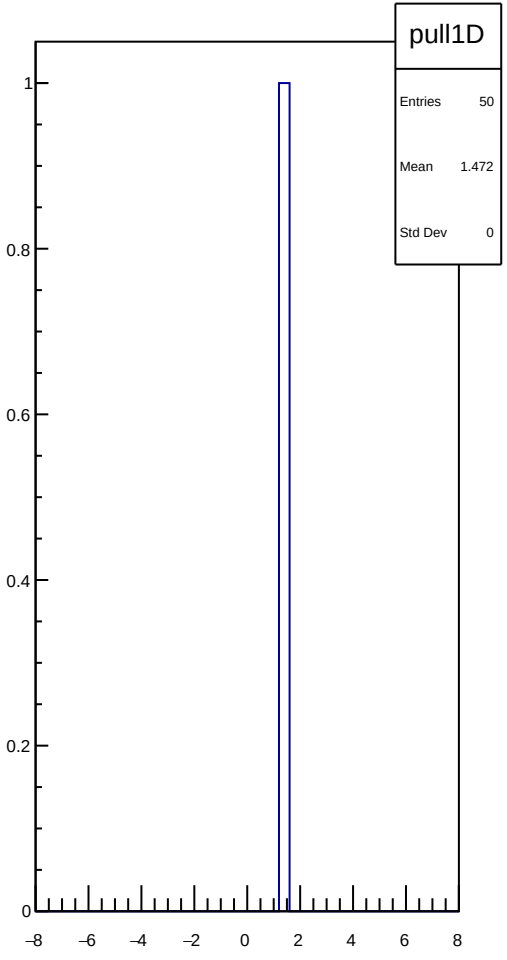

yield_bpm0i02aX_rms vs run
χ² / ndf 2.39e+04 / 49
p0 0.01317 ± 1.367e–05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

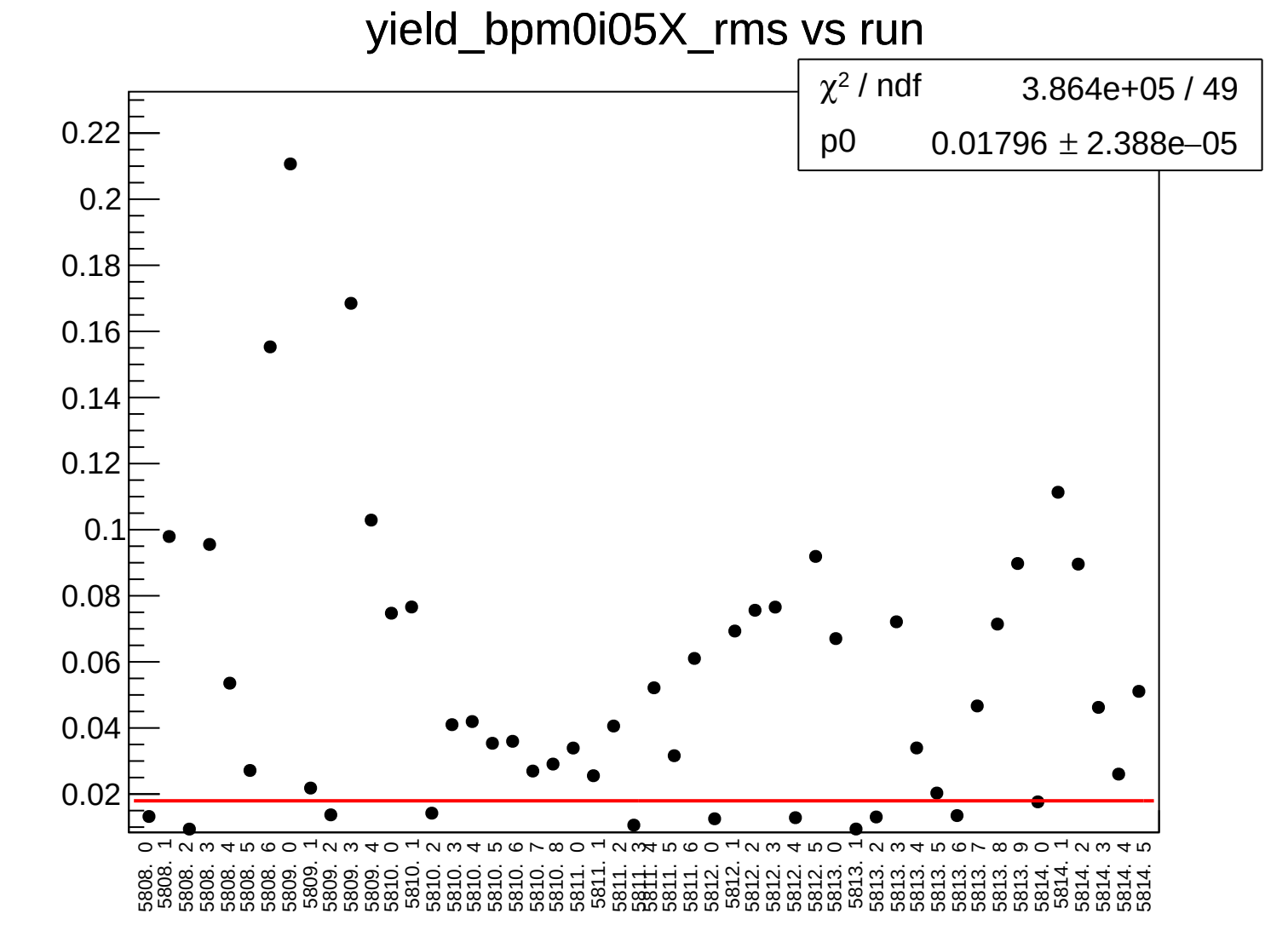

yield_bpm0i02aY_mean vs run
χ² / ndf 2.495e+07 / 49
p0 −1.33 ± 1.406e−05
−1.25
−1.3
−1.35
−1.4
−1.45
pull
Entries 50
Mean 495.5
Std Dev 0
1000
500
0
−500
−1000

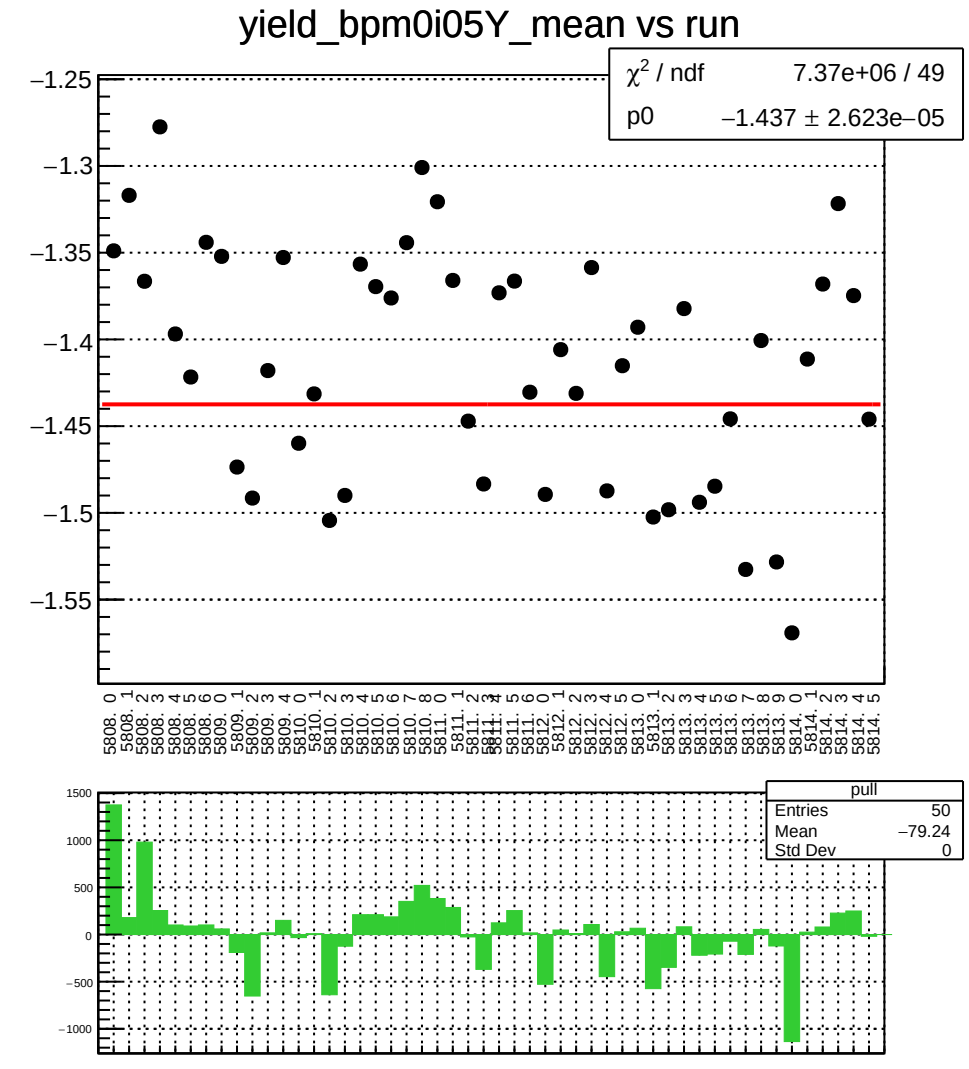

pull1D
Entries 50
Mean 4.54
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

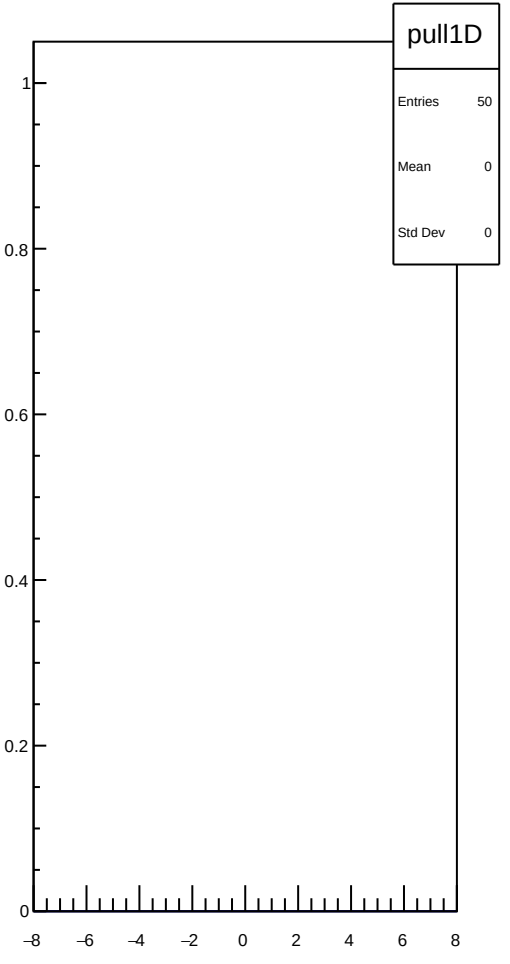

yield_bpm0i02aY_rms vs run
χ² / ndf 2.308e+04 / 49
p0 0.009584 ± 9.944e−06
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

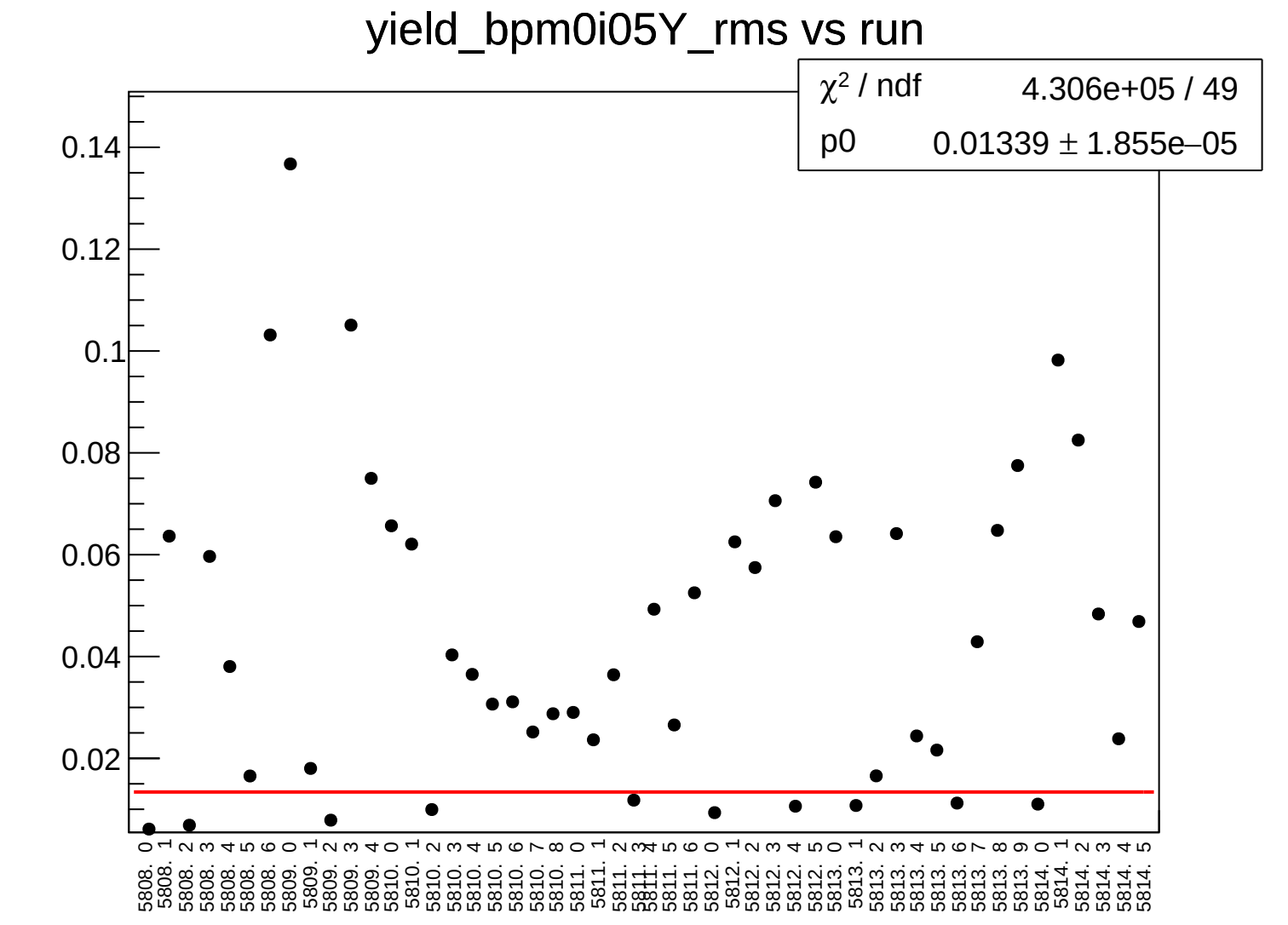

yield_bpm0i05X_mean vs run
χ² / ndf 8.57e+06 / 49
p0 −2.096 ± 3.377e−05
−1.8
−1.9
−2
−2.1
−2.2
−2.3
pull
Entries 50
Mean 55.87
Std Dev 0
1500
1000
500
0
−500

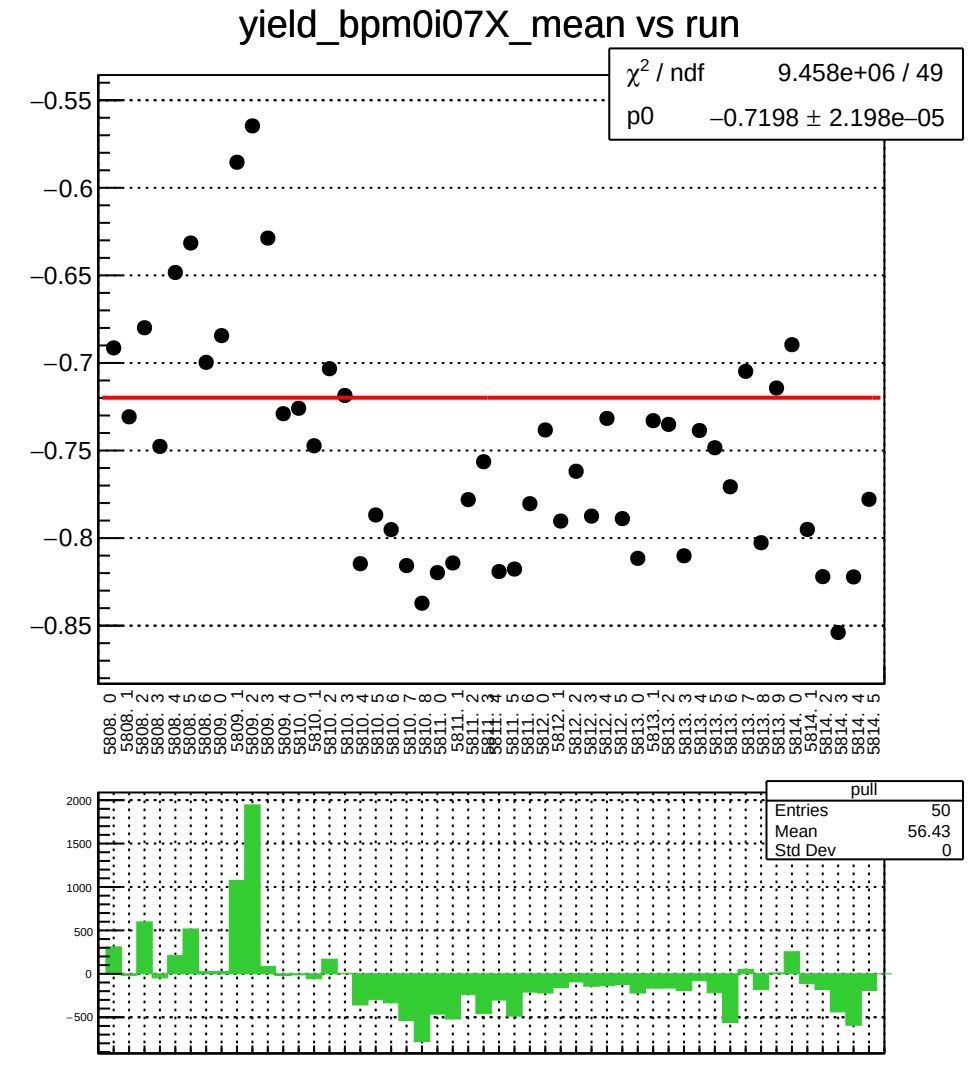

pull1D
Entries 50
Mean 1.472
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

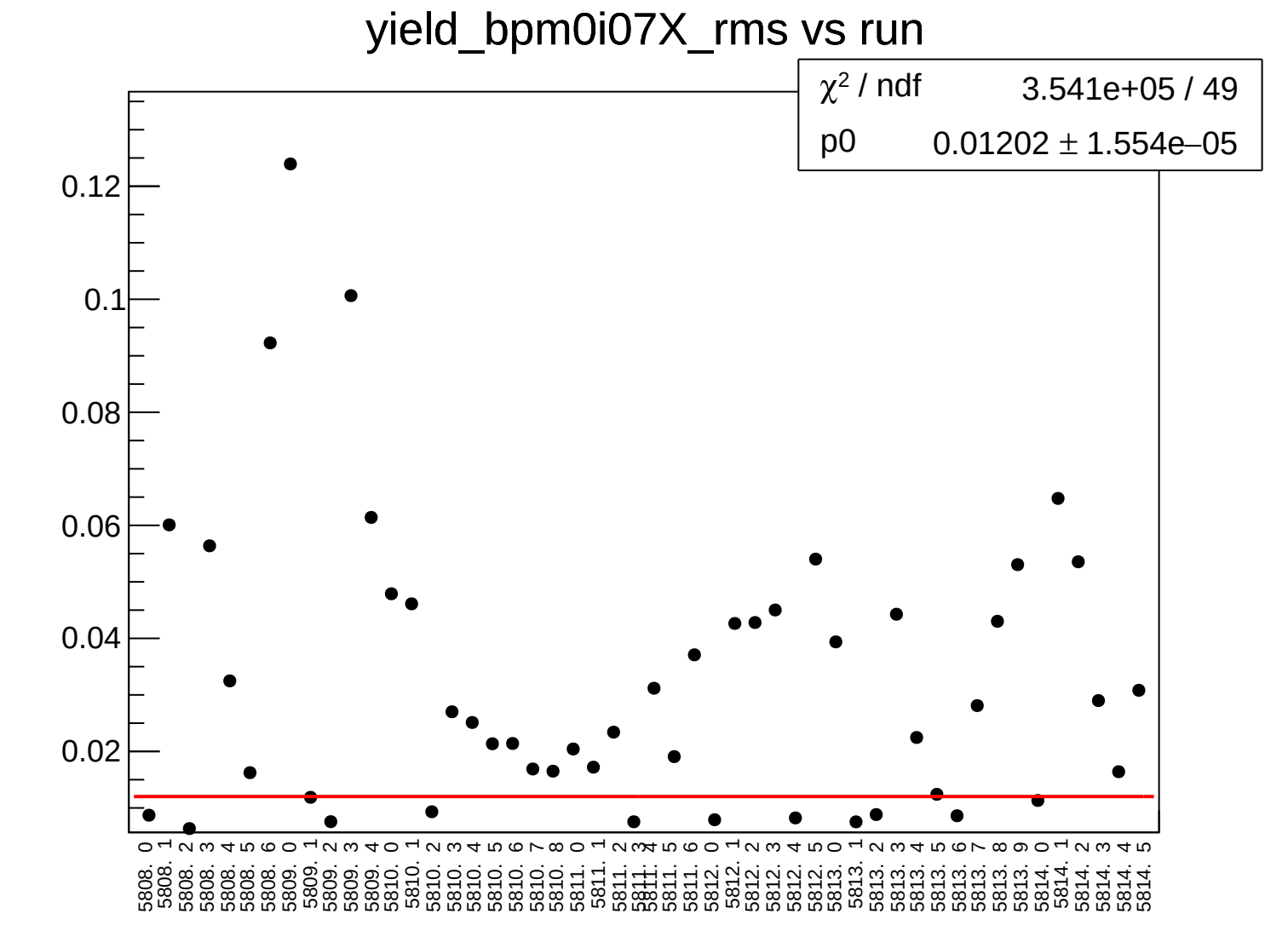

yield_bpm0i05X_rms vs run
χ² / ndf 3.864e+05 / 49
p0 0.01796 ± 2.388e–05
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

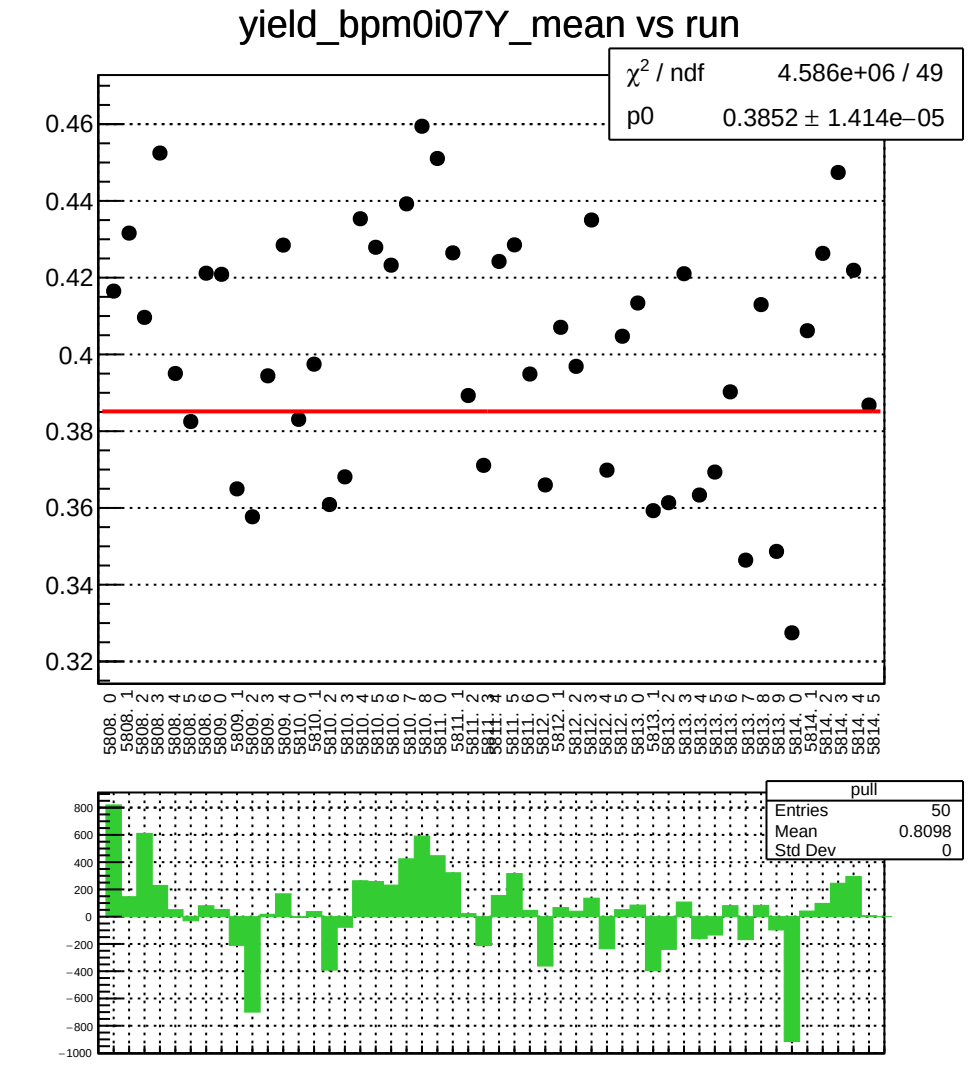

yield_bpm0i05Y_mean vs run
χ² / ndf 7.37e+06 / 49
p0 −1.437 ± 2.623e−05
−1.25
−1.3
−1.35
−1.4
−1.45
−1.5
−1.55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −79.24
Std Dev 0
1500
1000
500
0
−500
−1000

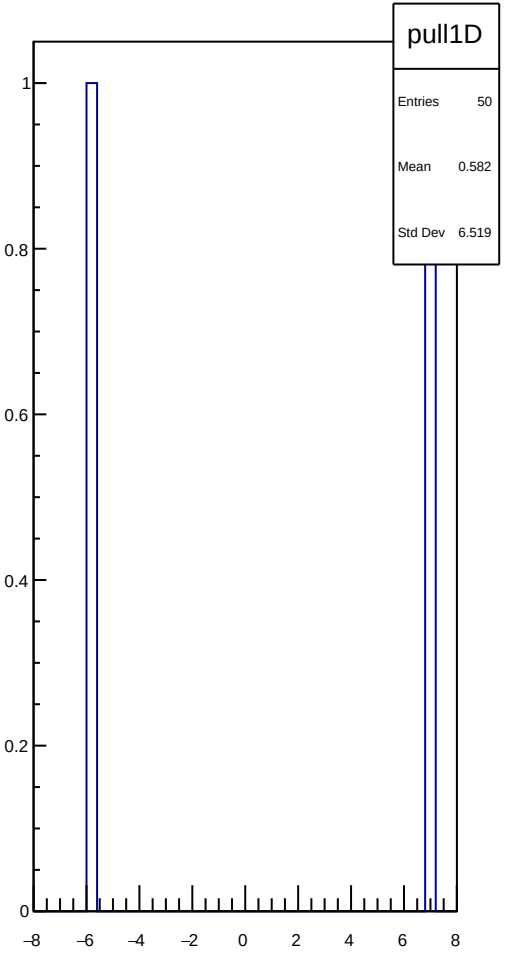

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

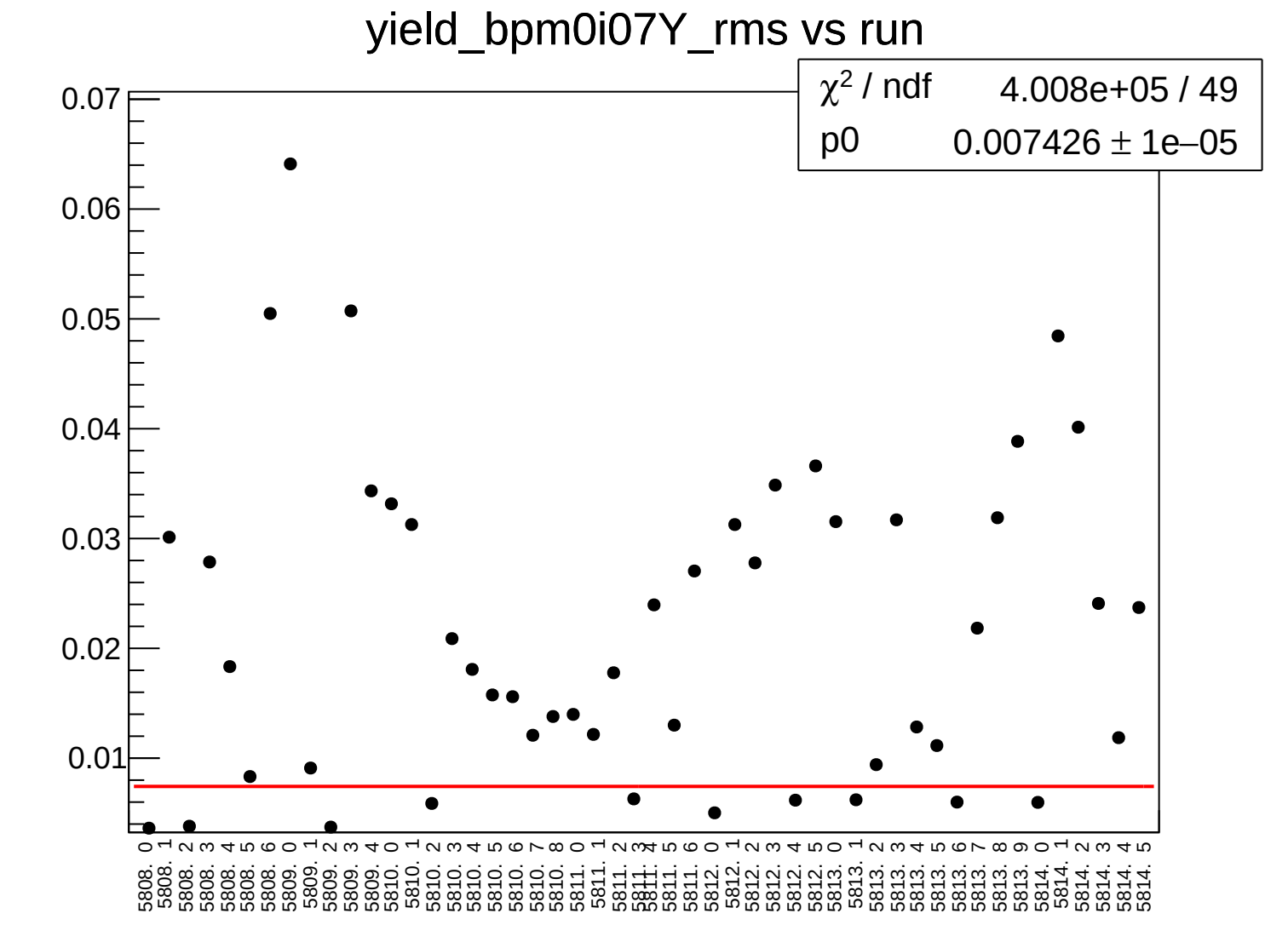

yield_bpm0i05Y_rms vs run
χ² / ndf 4.306e+05 / 49
p0 0.01339 ± 1.855e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

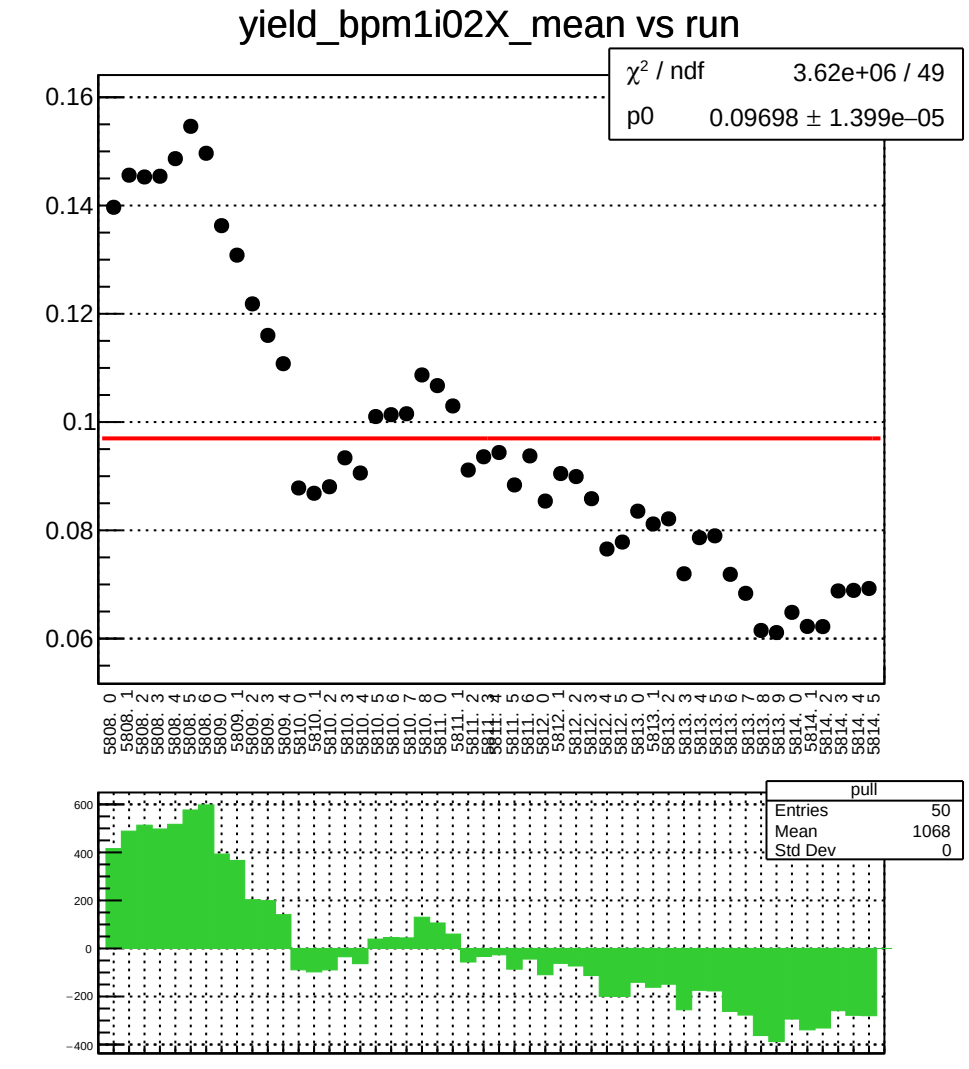

yield_bpm0i07X_mean vs run
χ² / ndf 9.458e+06 / 49
p0 −0.7198 ± 2.198e−05
−0.55
−0.6
−0.65
−0.7
−0.75
−0.8
−0.85
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 56.43
Std Dev 0
2000
1500
1000
500
0
−500
pull1D
Entries 50
Mean 4.438
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

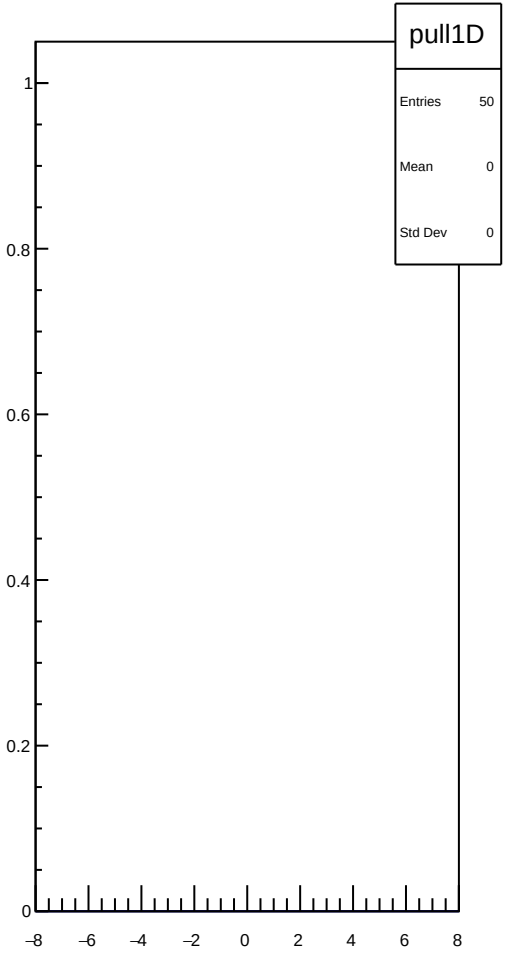

yield_bpm0i07X_rms vs run
χ² / ndf 3.541e+05 / 49
p0 0.01202 ± 1.554e−05
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

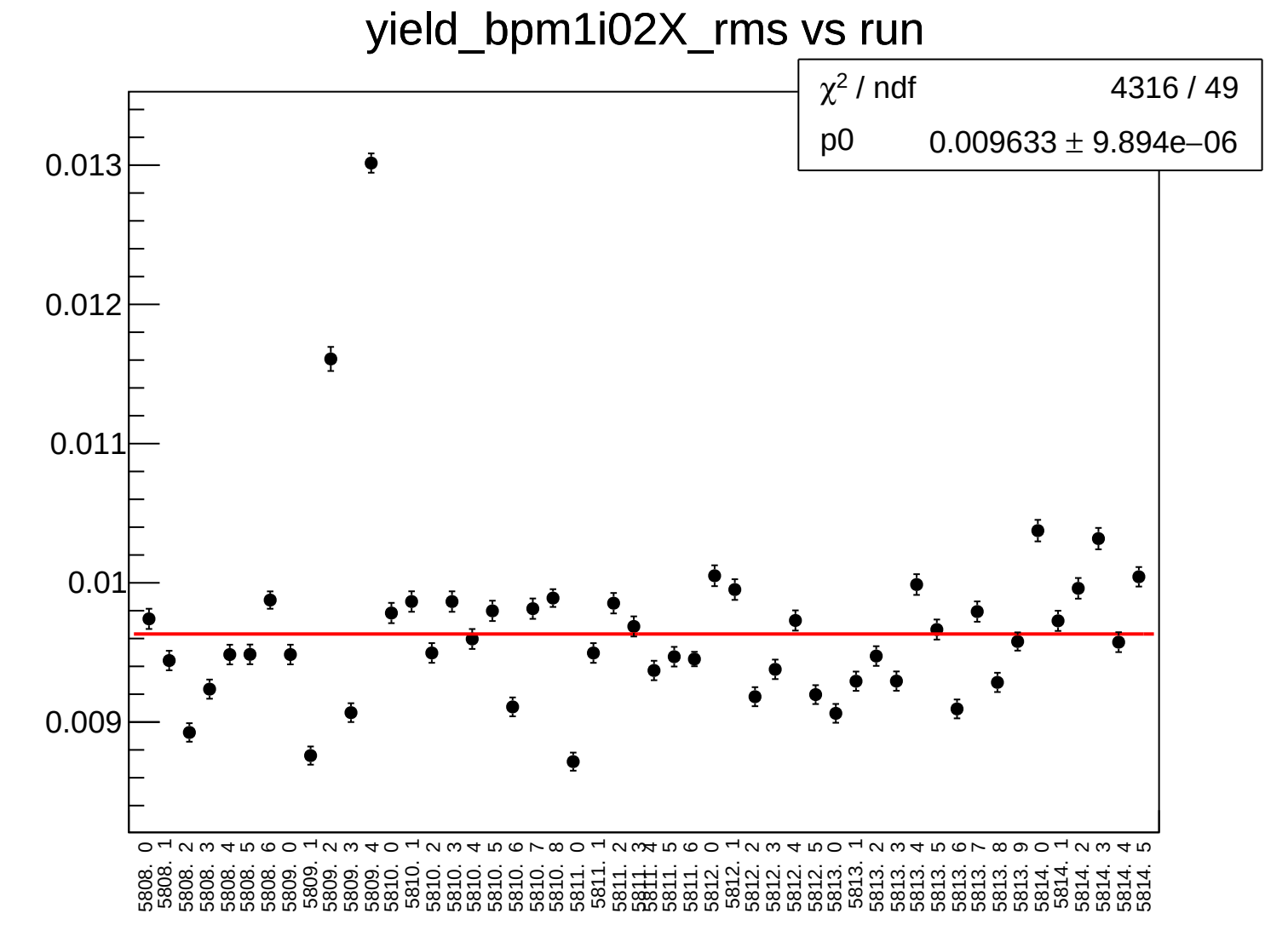

yield_bpm0i07Y_mean vs run
χ² / ndf 4.586e+06 / 49
p0 0.3852 ± 1.414e−05
pull
Entries 50
Mean 0.8098
Std Dev 0

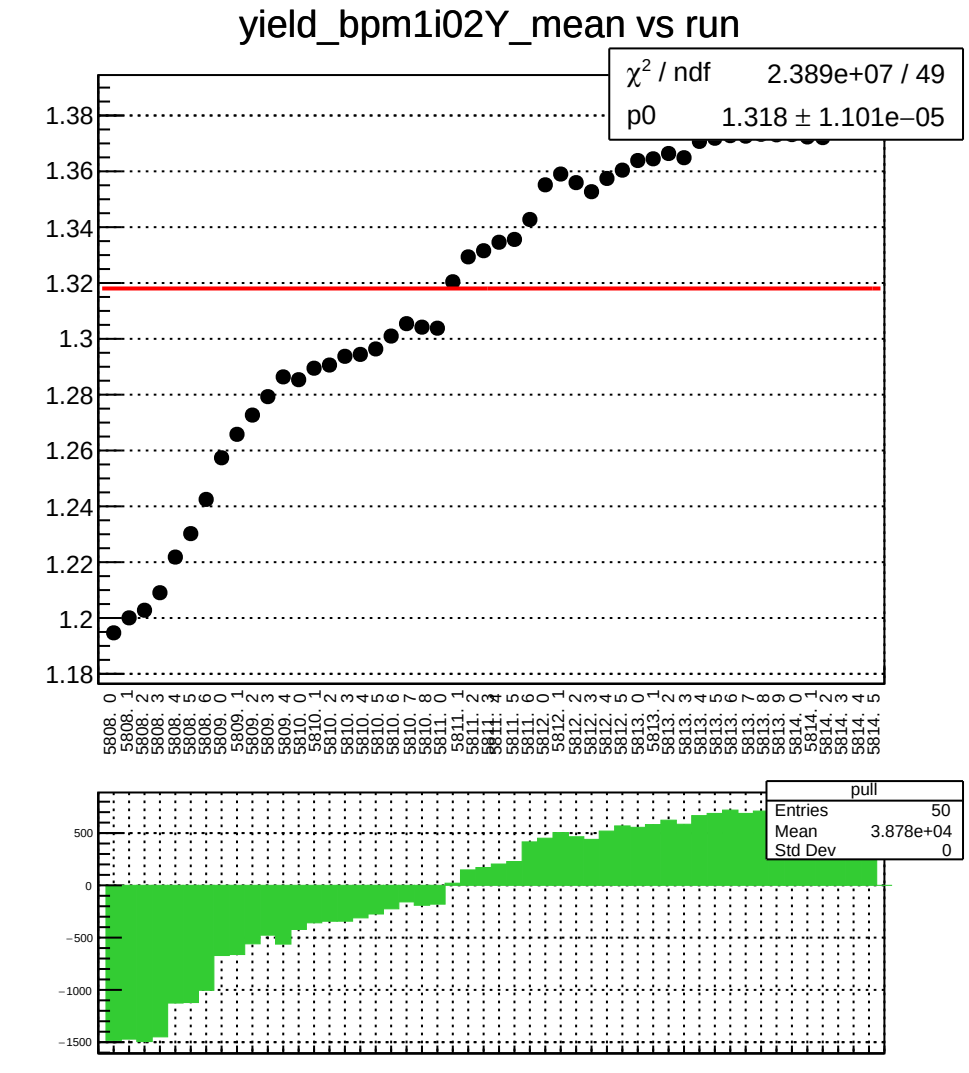

pull1D
Entries 50
Mean 0.582
Std Dev 6.519

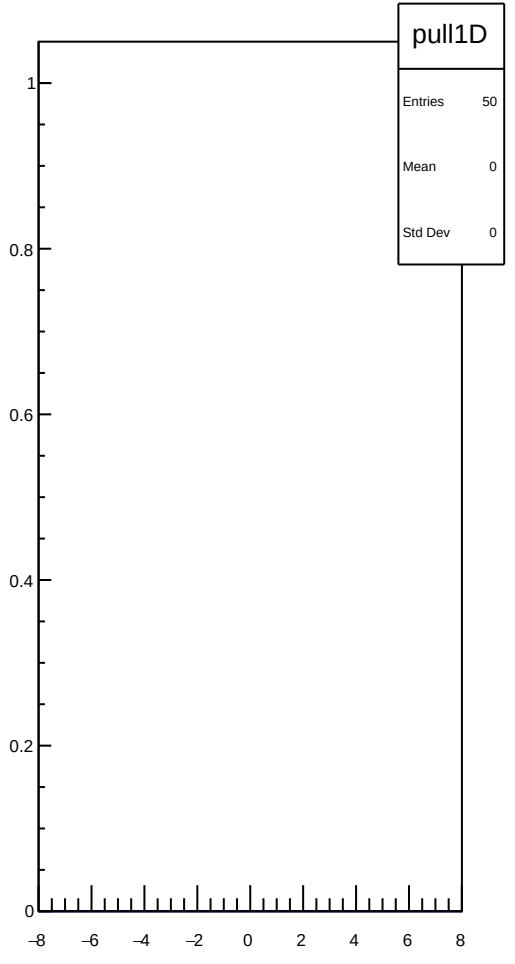

yield_bpm0i07Y_rms vs run
χ² / ndf 4.008e+05 / 49
p0 0.007426 ± 1e−05
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

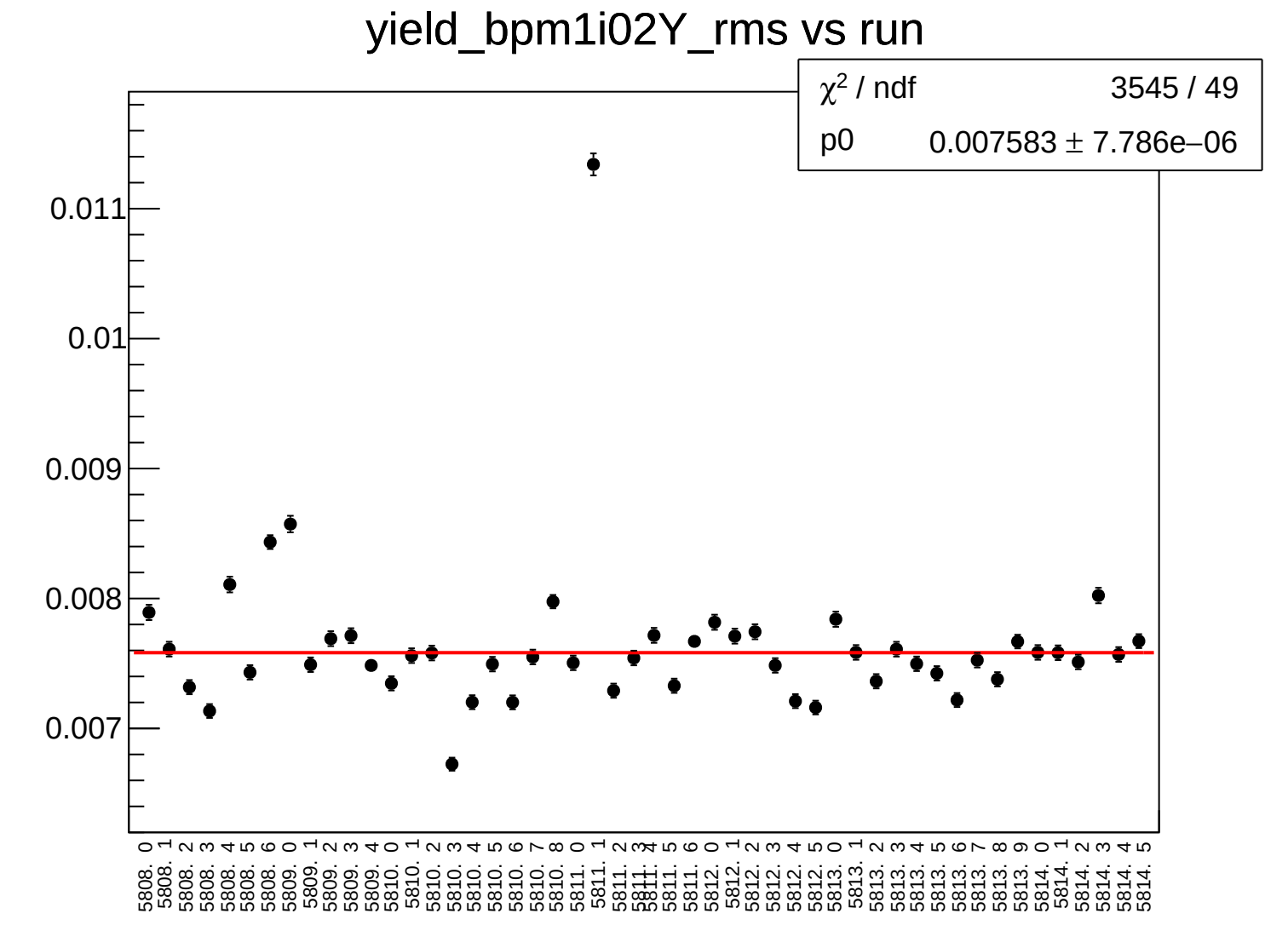

yield_bpm1i02X_mean vs run
χ² / ndf 3.62e+06 / 49
p0 0.09698 ± 1.399e−05
0.16
0.14
0.12
0.1
0.08
0.06
pull
Entries 50
Mean 1068
Std Dev 0
600
400
200
0
−200
−400

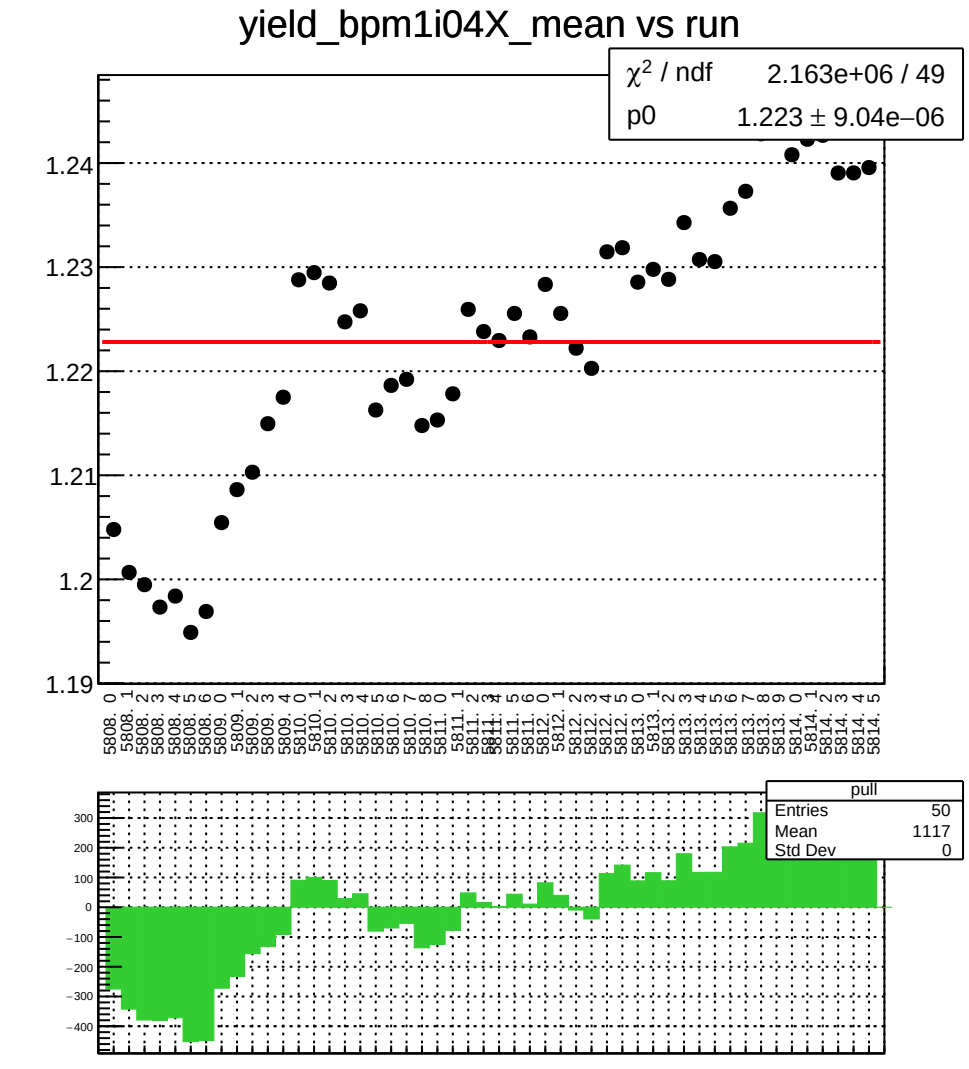

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

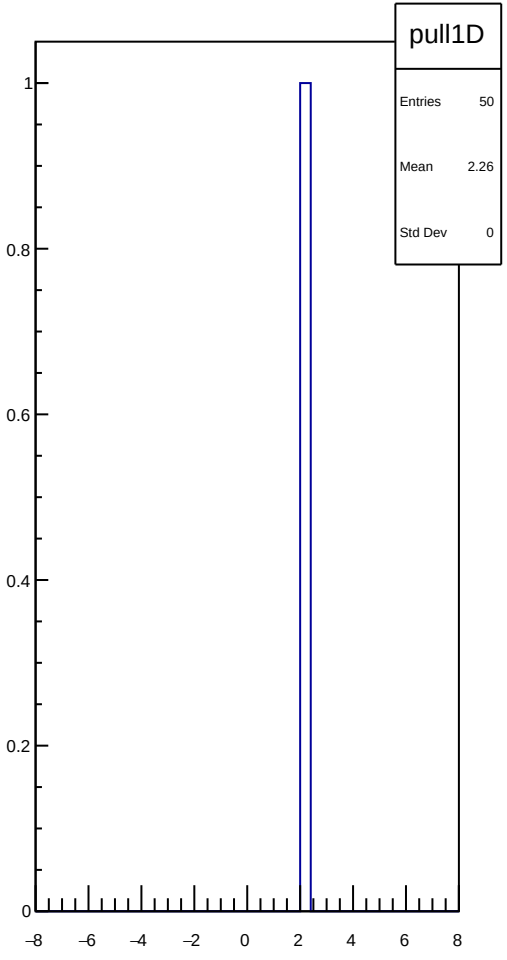

yield_bpm1i02X_rms vs run
χ² / ndf 4316 / 49
p0 0.009633 ± 9.894e−06
0.013
0.012
0.011
0.01
0.009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

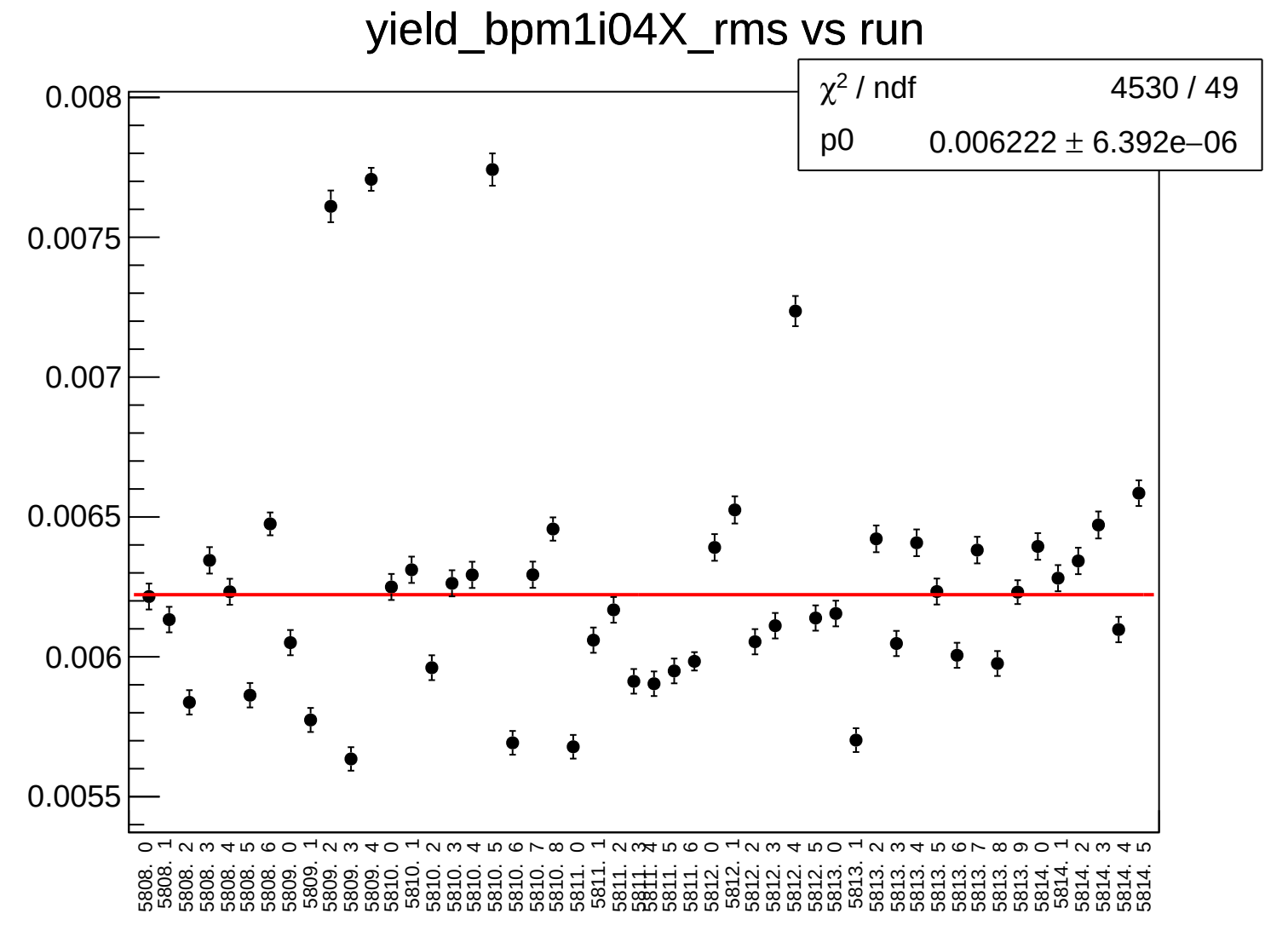

yield_bpm1i02Y_mean vs run
χ² / ndf 2.389e+07 / 49
p0 1.318 ± 1.101e−05
pull
Entries 50
Mean 3.878e+04
Std Dev 0

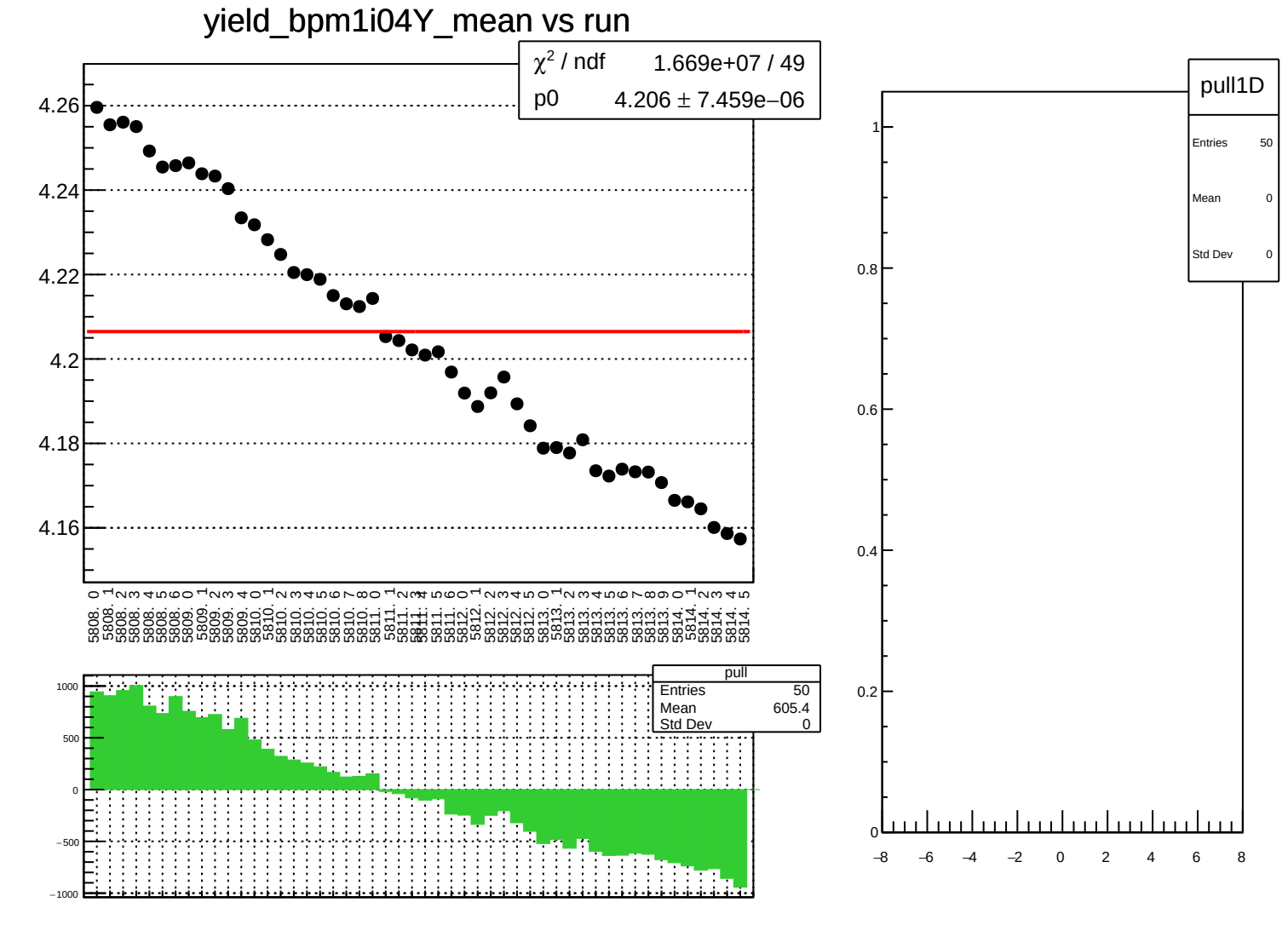

pull1D
Entries 50
Mean 0
Std Dev 0

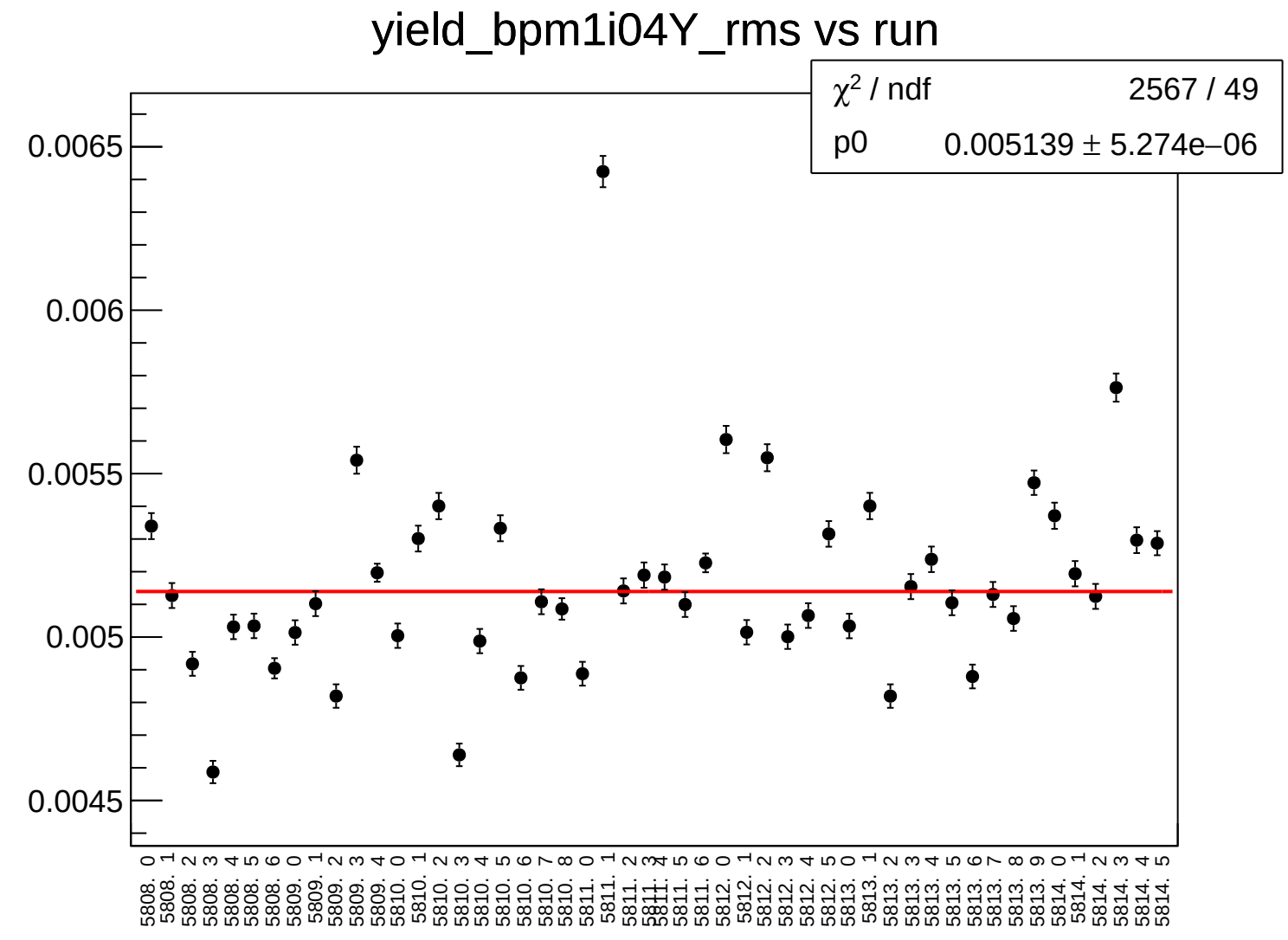

yield_bpm1i02Y_rms vs run
χ² / ndf 3545 / 49
p0 0.007583 ± 7.786e−06
0.011
0.01
0.009
0.008
0.007
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

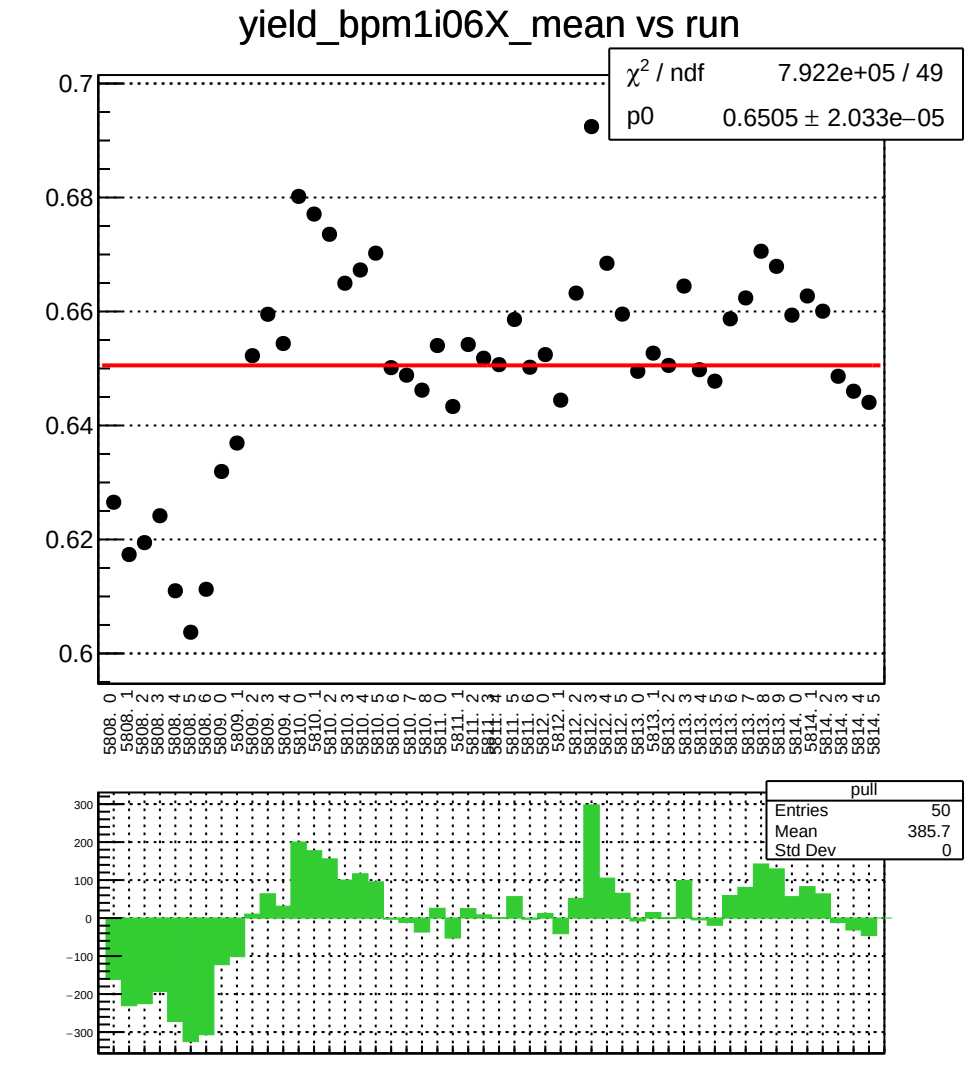

yield_bpm1i04X_mean vs run
χ² / ndf 2.163e+06 / 49
p0 1.223 ± 9.04e−06
1.24
1.23
1.22
1.21
1.2
1.19
pull
Entries 50
Mean 1117
Std Dev 0
300
200
100
0
−100
−200
−300
−400

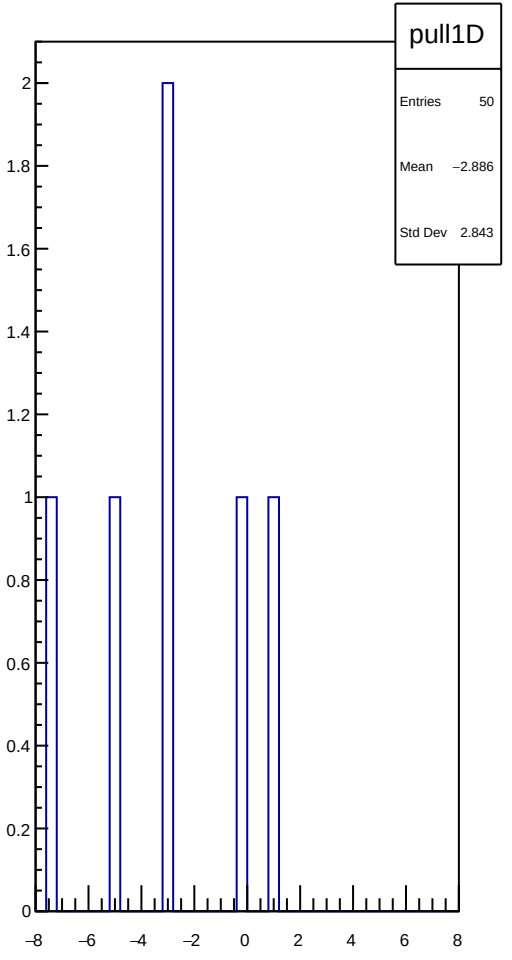

pull1D
Entries 50
Mean 2.26
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

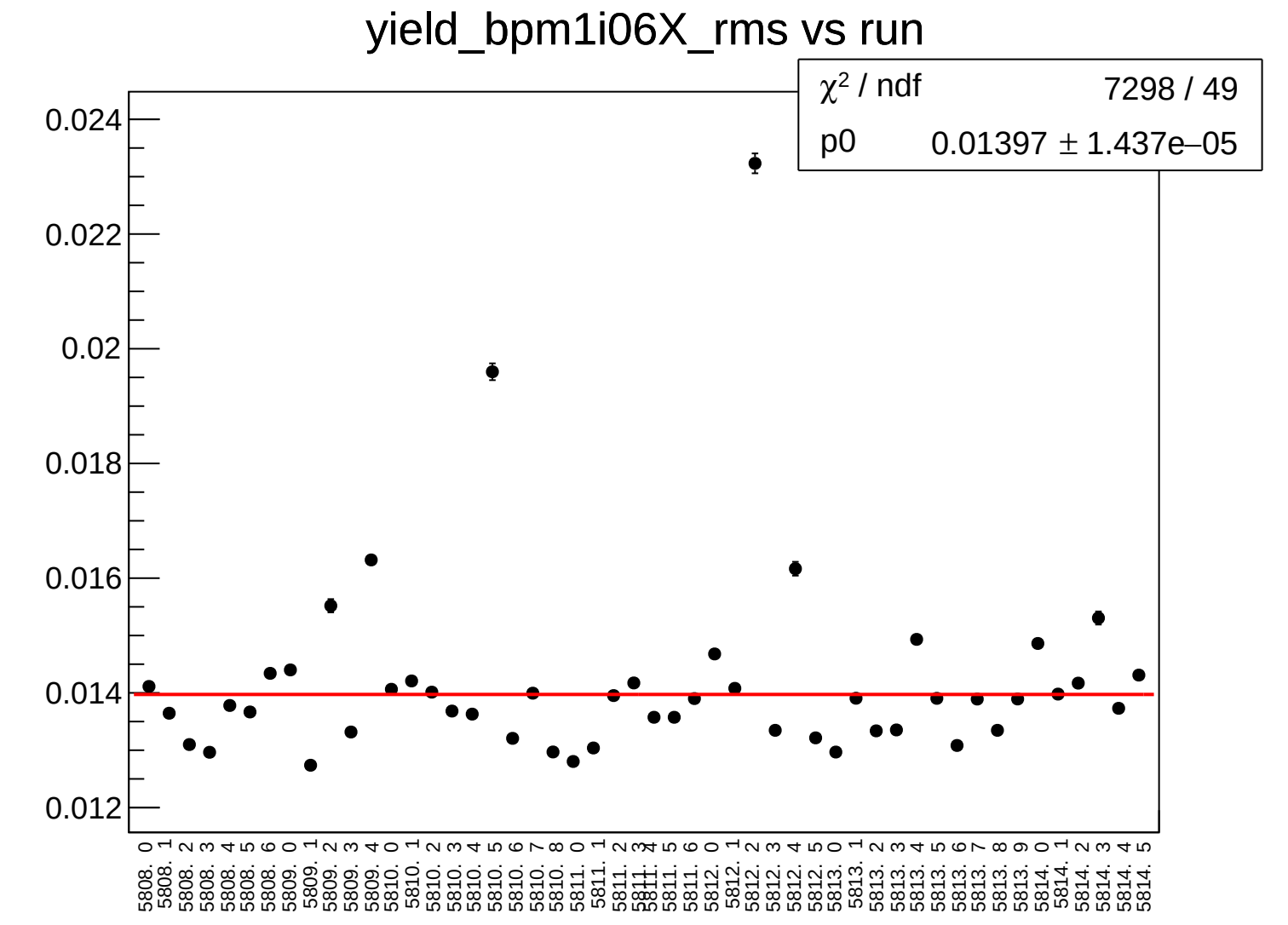

yield_bpm1i04X_rms vs run
χ² / ndf 4530 / 49
p0 0.006222 ± 6.392e−06
0.008
0.0075
0.007
0.0065
0.006
0.0055
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

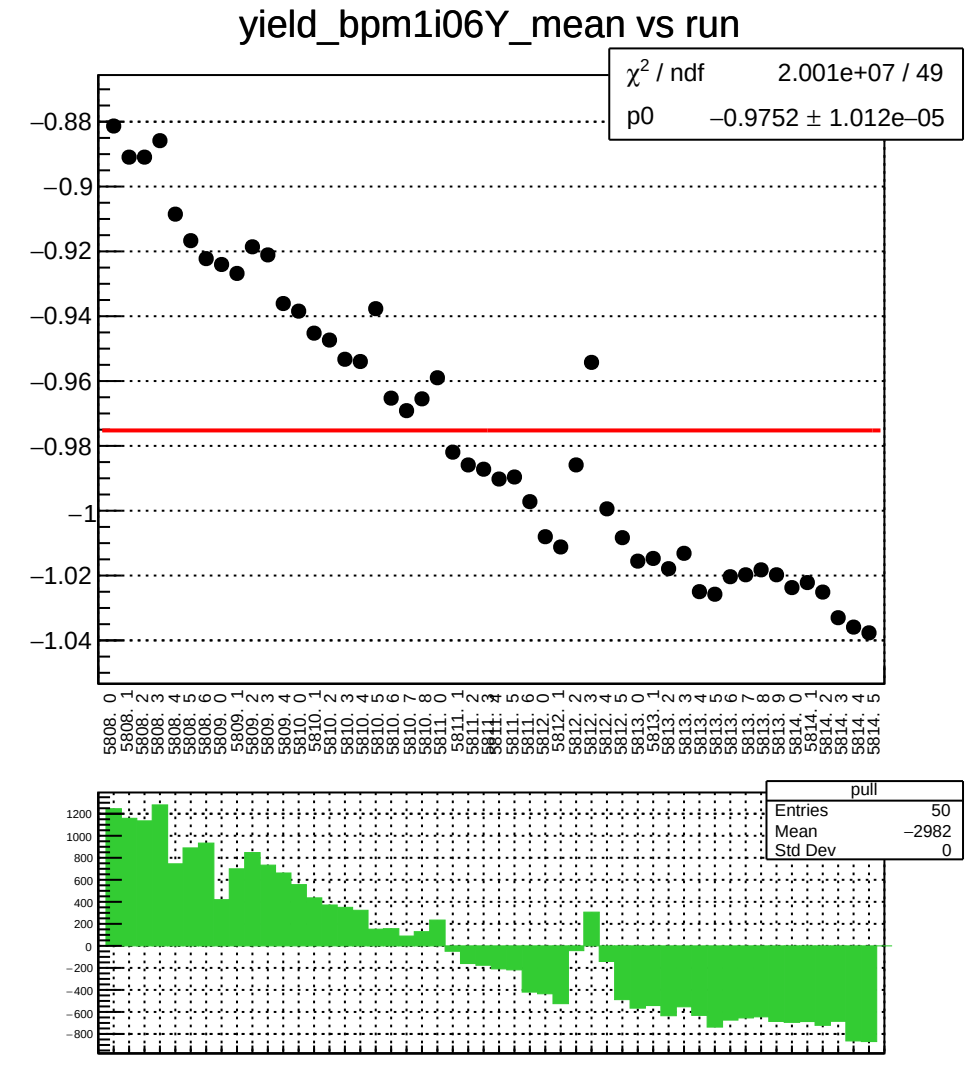

yield_bpm1i04Y_mean vs run
χ² / ndf 1.669e+07 / 49
p0 4.206 ± 7.459e−06
4.26
4.24
4.22
4.2
4.18
4.16
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 605.4
Std Dev 0
1000
500
0
−500
−1000
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

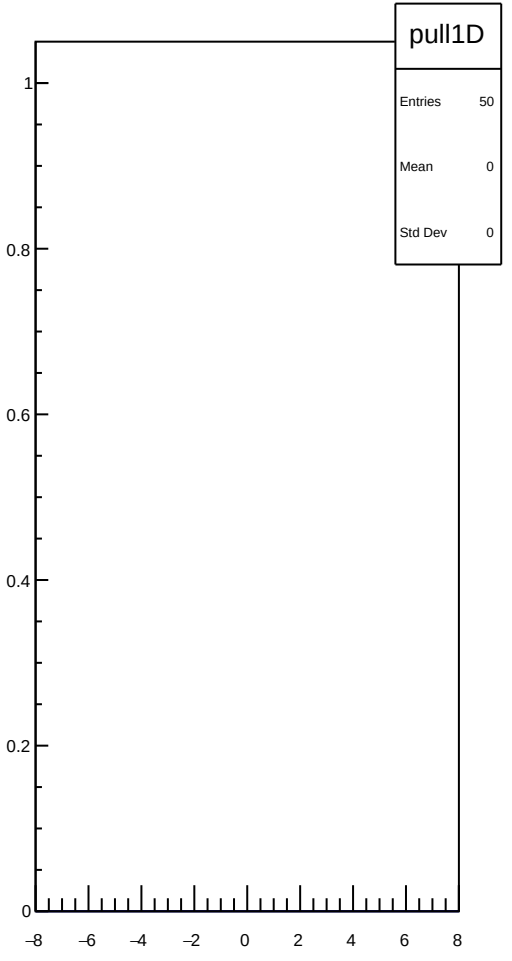

yield_bpm1i04Y_rms vs run
χ² / ndf 2567 / 49
p0 0.005139 ± 5.274e−06
0.0065
0.006
0.0055
0.005
0.0045
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

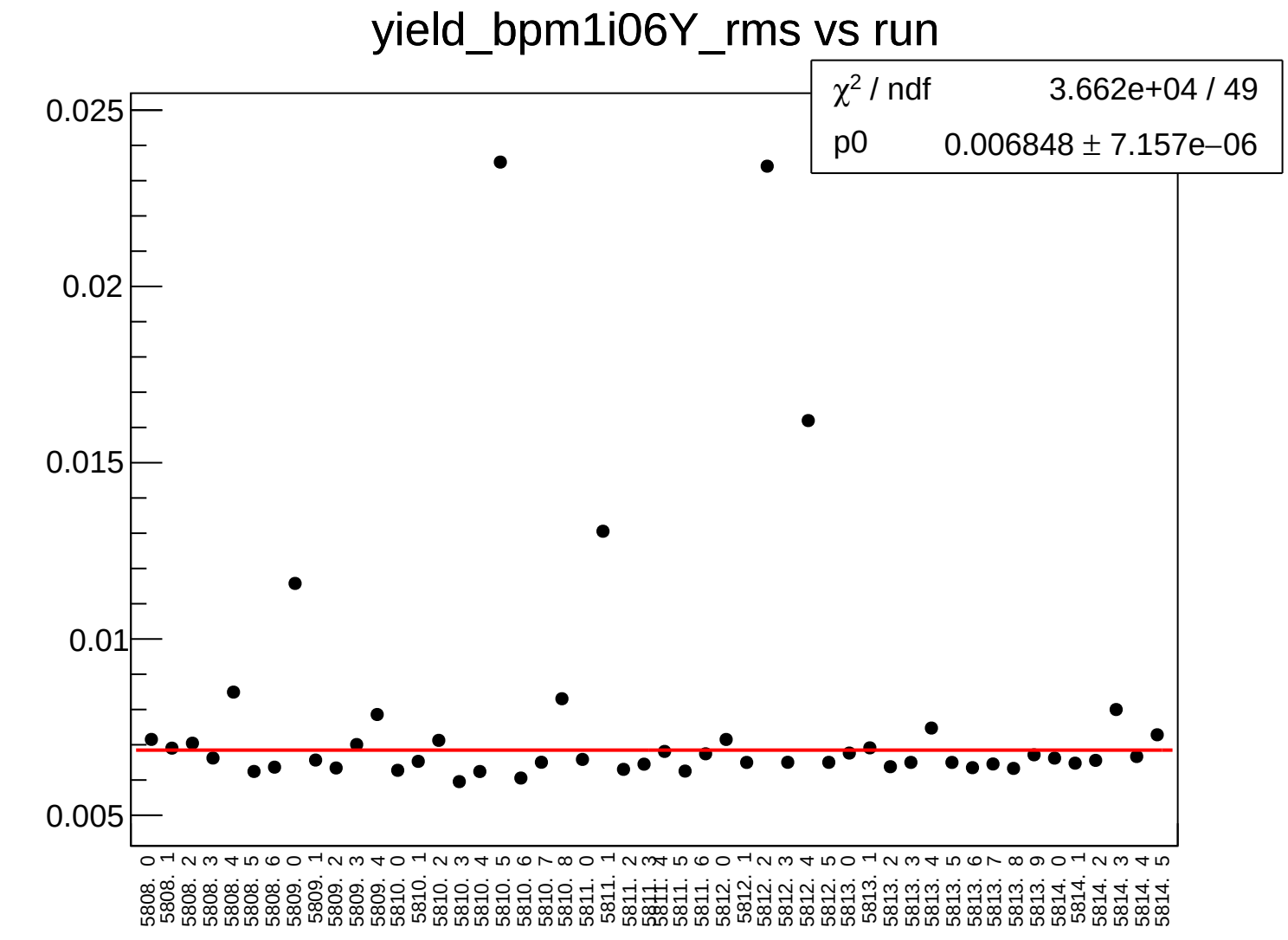

yield_bpm1i06X_mean vs run
χ² / ndf 7.922e+05 / 49
p0 0.6505 ± 2.033e−05
0.7
0.68
0.66
0.64
0.62
0.6
pull
Entries 50
Mean 385.7
Std Dev 0
300
200
100
0
−100
−200
−300

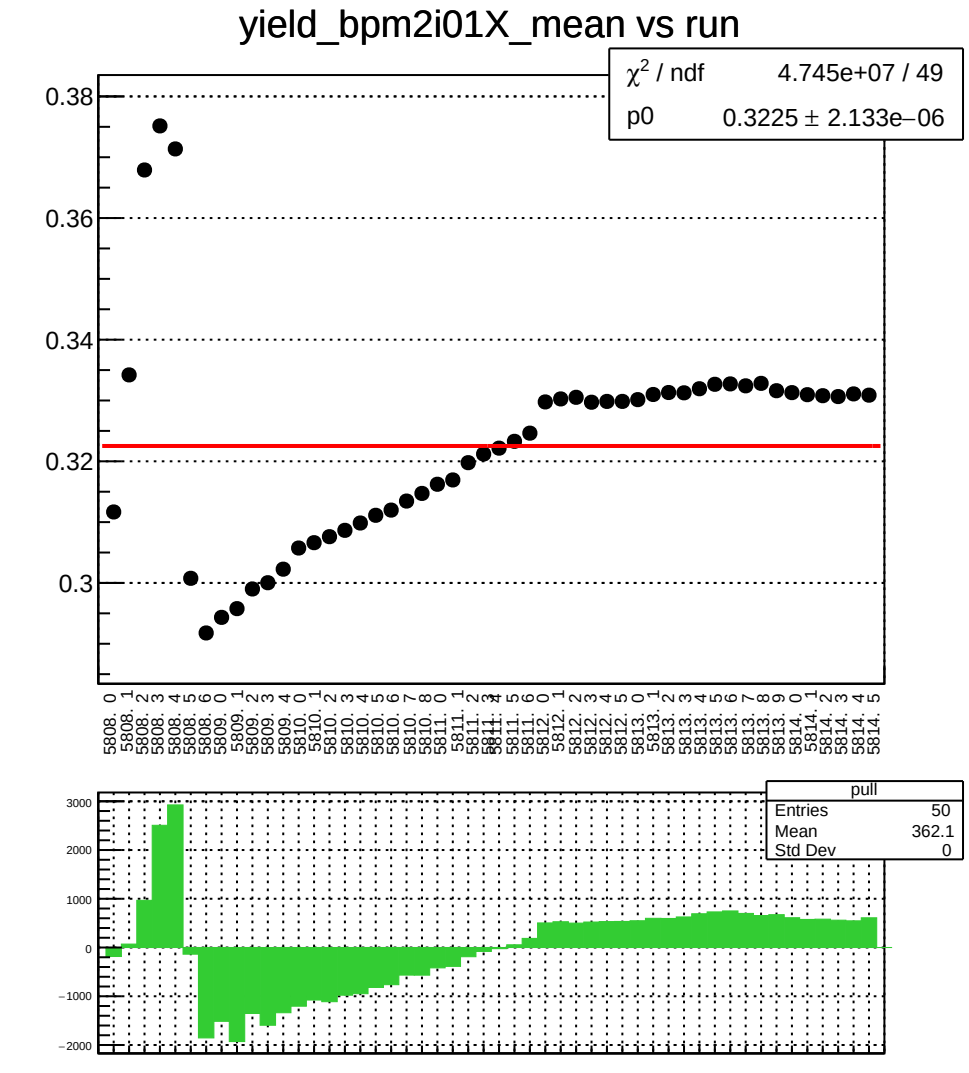

pull1D
Entries 50
Mean −2.886
Std Dev 2.843
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

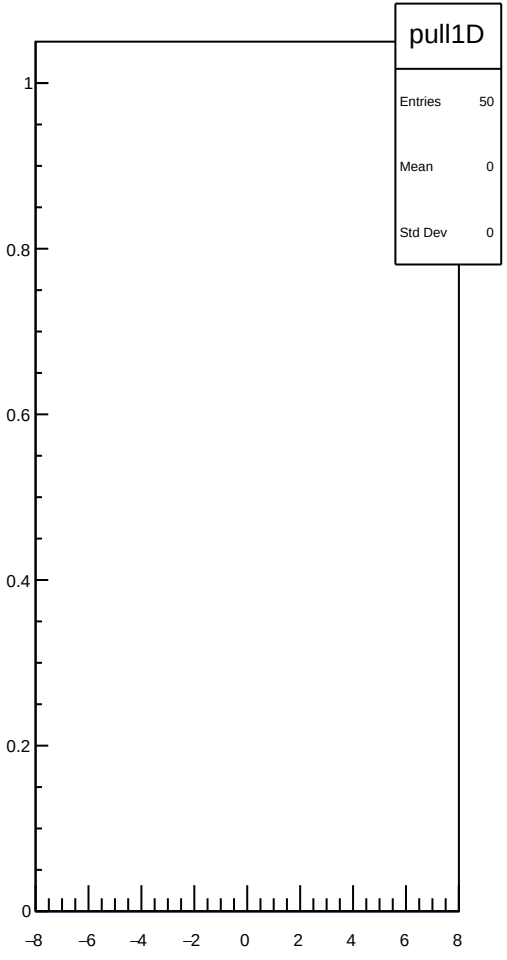

yield_bpm1i06X_rms vs run
χ² / ndf 7298 / 49
p0 0.01397 ± 1.437e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

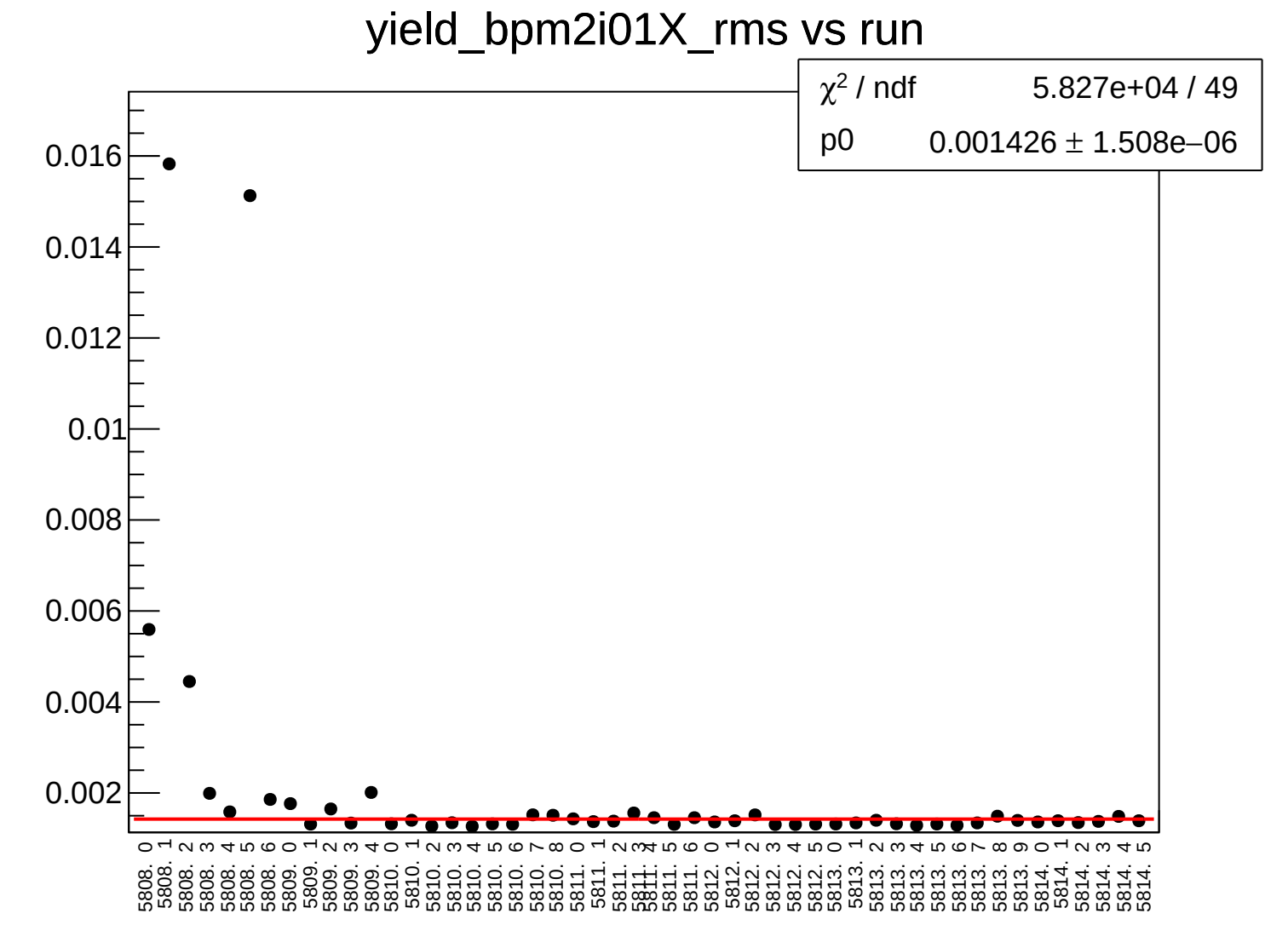

yield_bpm1i06Y_mean vs run
χ² / ndf 2.001e+07 / 49
p0 −0.9752 ± 1.012e−05
−0.88
−0.9
−0.92
−0.94
−0.96
−0.98
−1
−1.02
−1.04
pull
Entries 50
Mean −2982
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
−600
−800

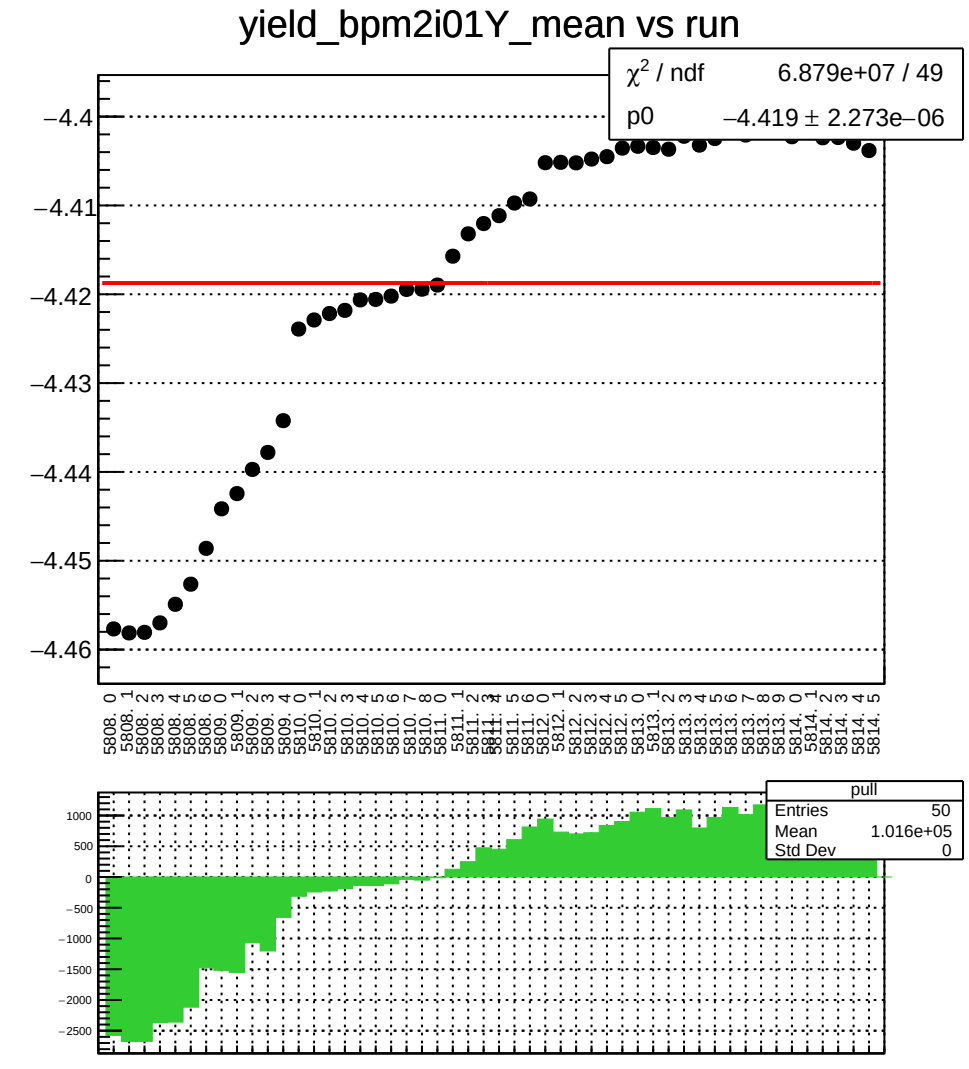

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

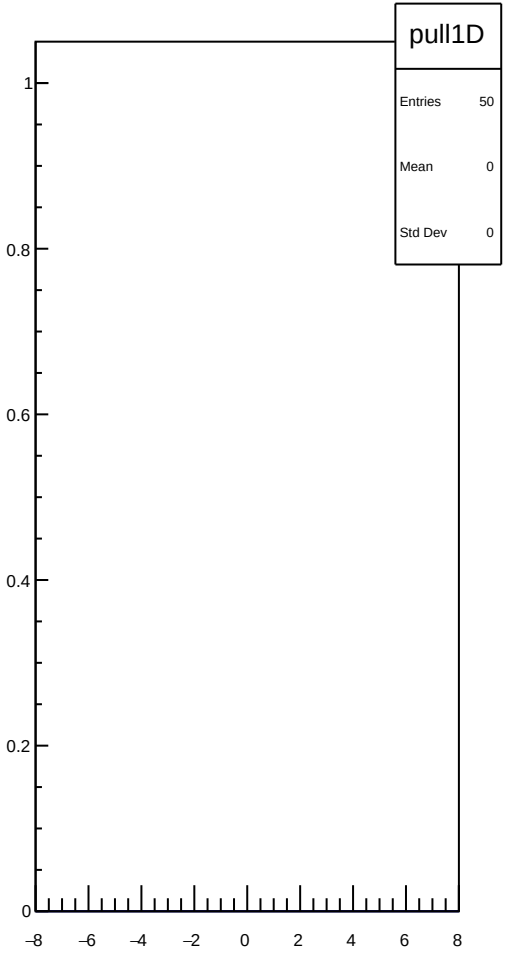

yield_bpm1i06Y_rms vs run
χ² / ndf 3.662e+04 / 49
p0 0.006848 ± 7.157e−06
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

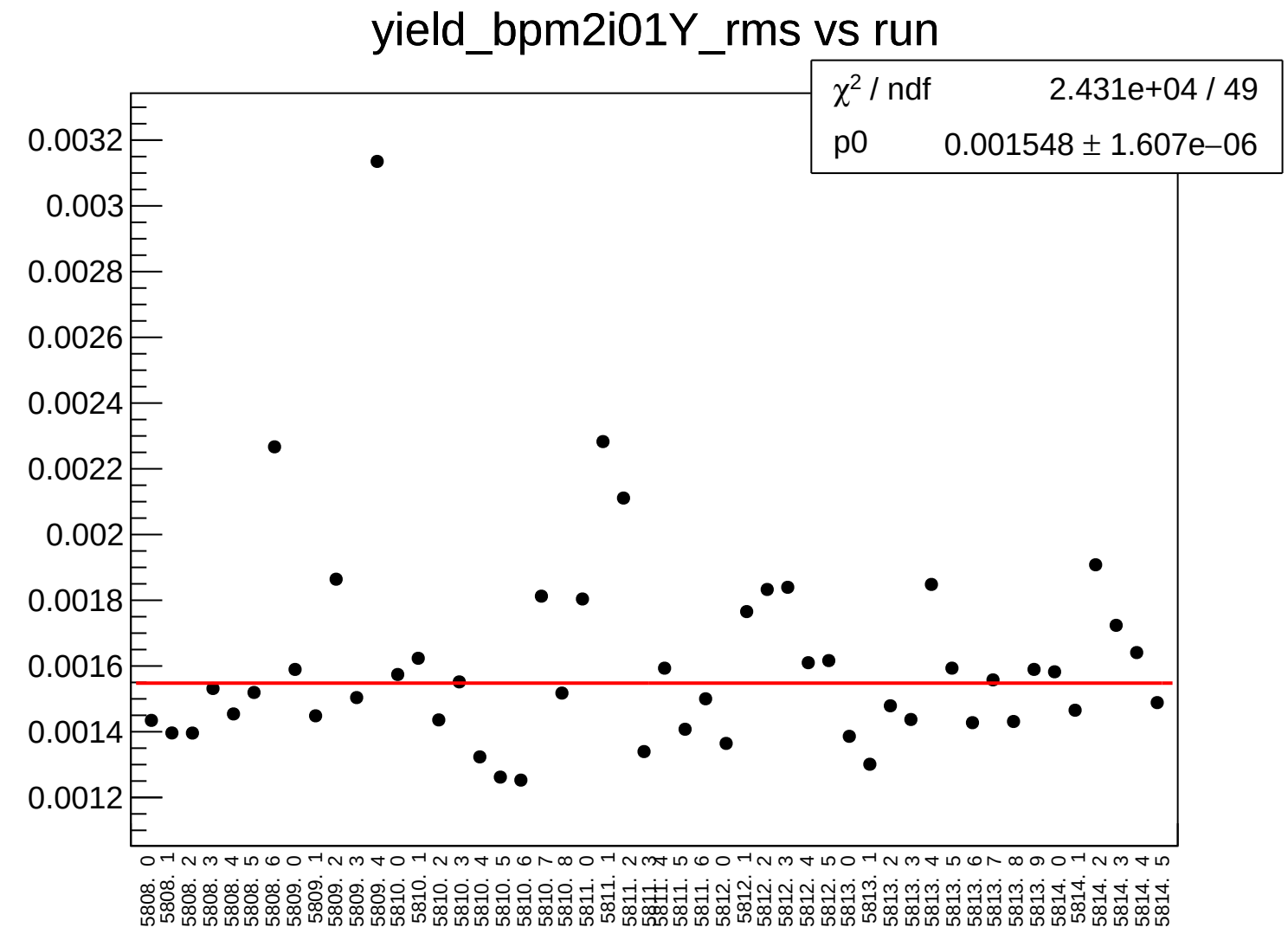

yield_bpm2i01X_mean vs run
χ² / ndf 4.745e+07 / 49
p0 0.3225 ± 2.133e−06
0.38
0.36
0.34
0.32
0.3
pull
Entries 50
Mean 362.1
Std Dev 0
3000
2000
1000
0
−1000
−2000

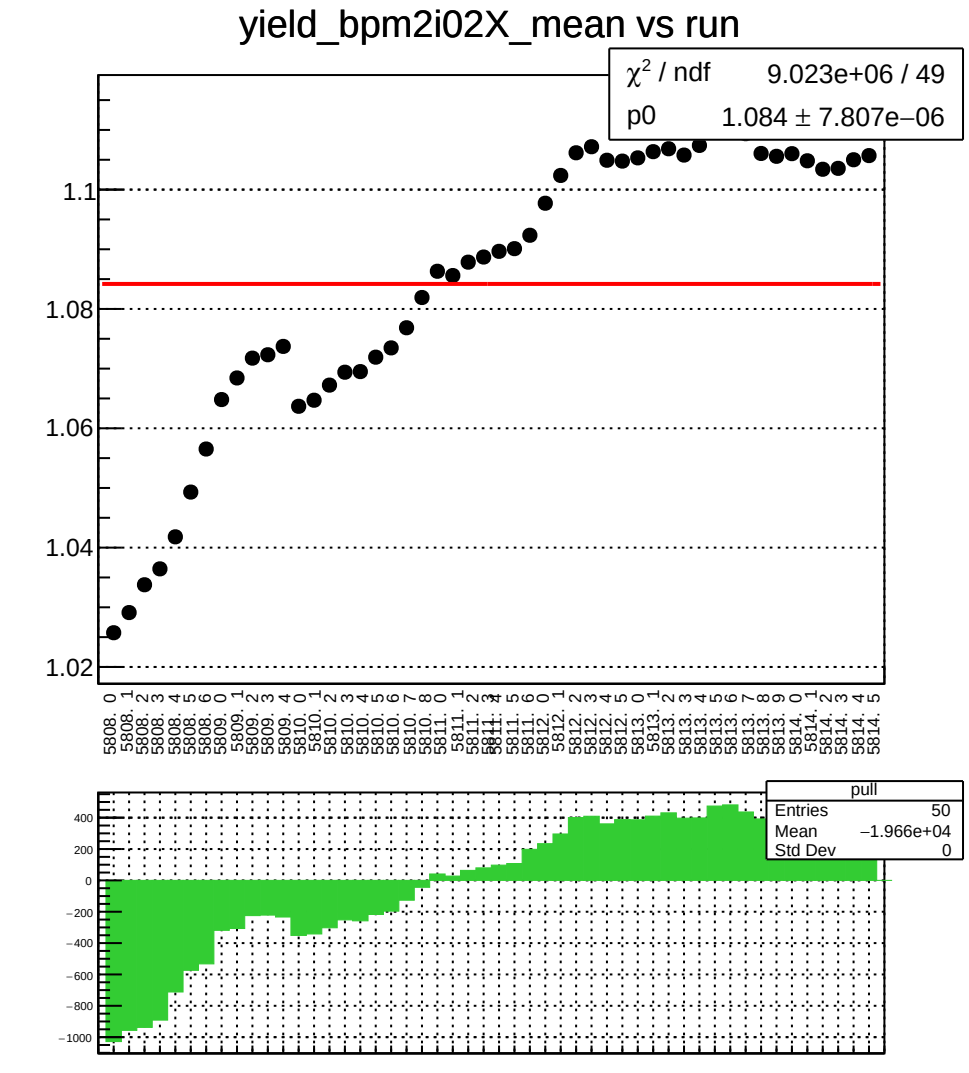

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

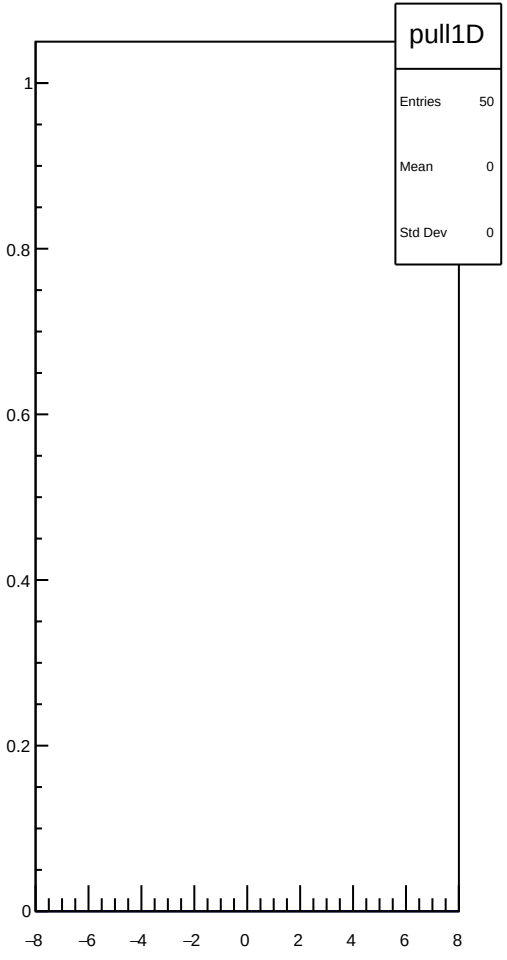

yield_bpm2i01X_rms vs run
χ² / ndf 5.827e+04 / 49
p0 0.001426 ± 1.508e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

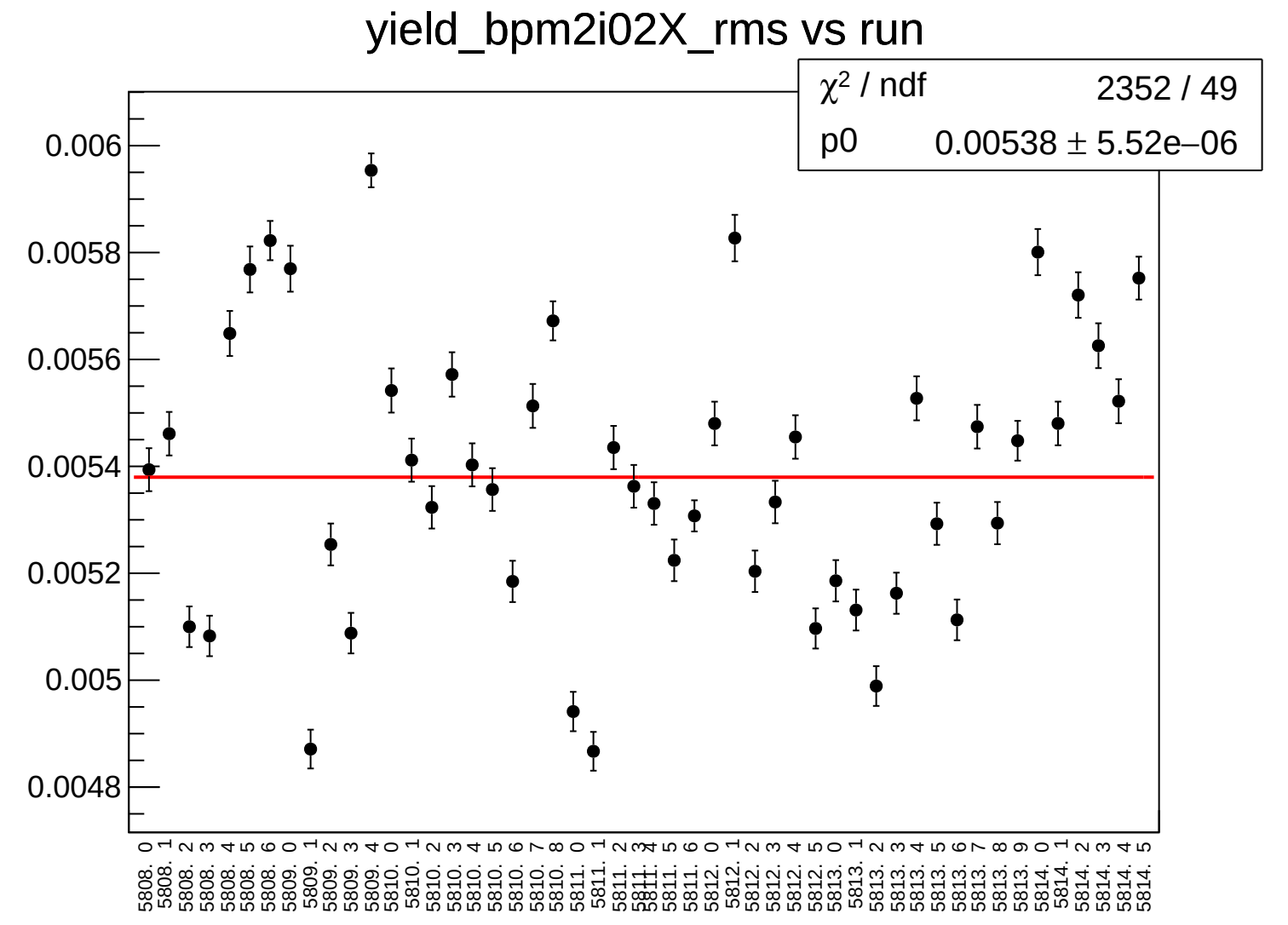

yield_bpm2i01Y_mean vs run
χ² / ndf 6.879e+07 / 49
p0 −4.419 ± 2.273e−06
−4.4
−4.41
−4.42
−4.43
−4.44
−4.45
−4.46
pull
Entries 50
Mean 1.016e+05
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
−2500

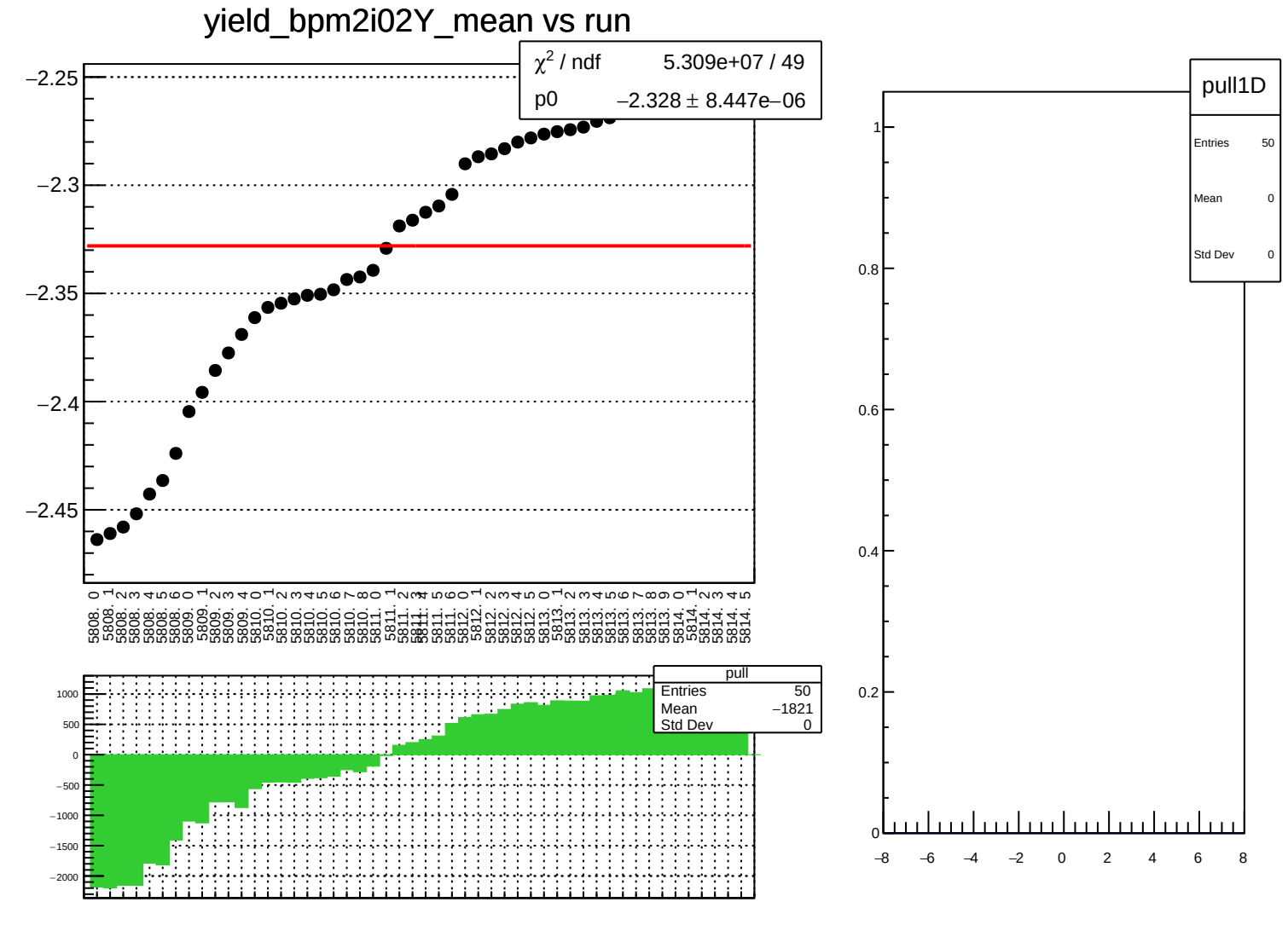

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

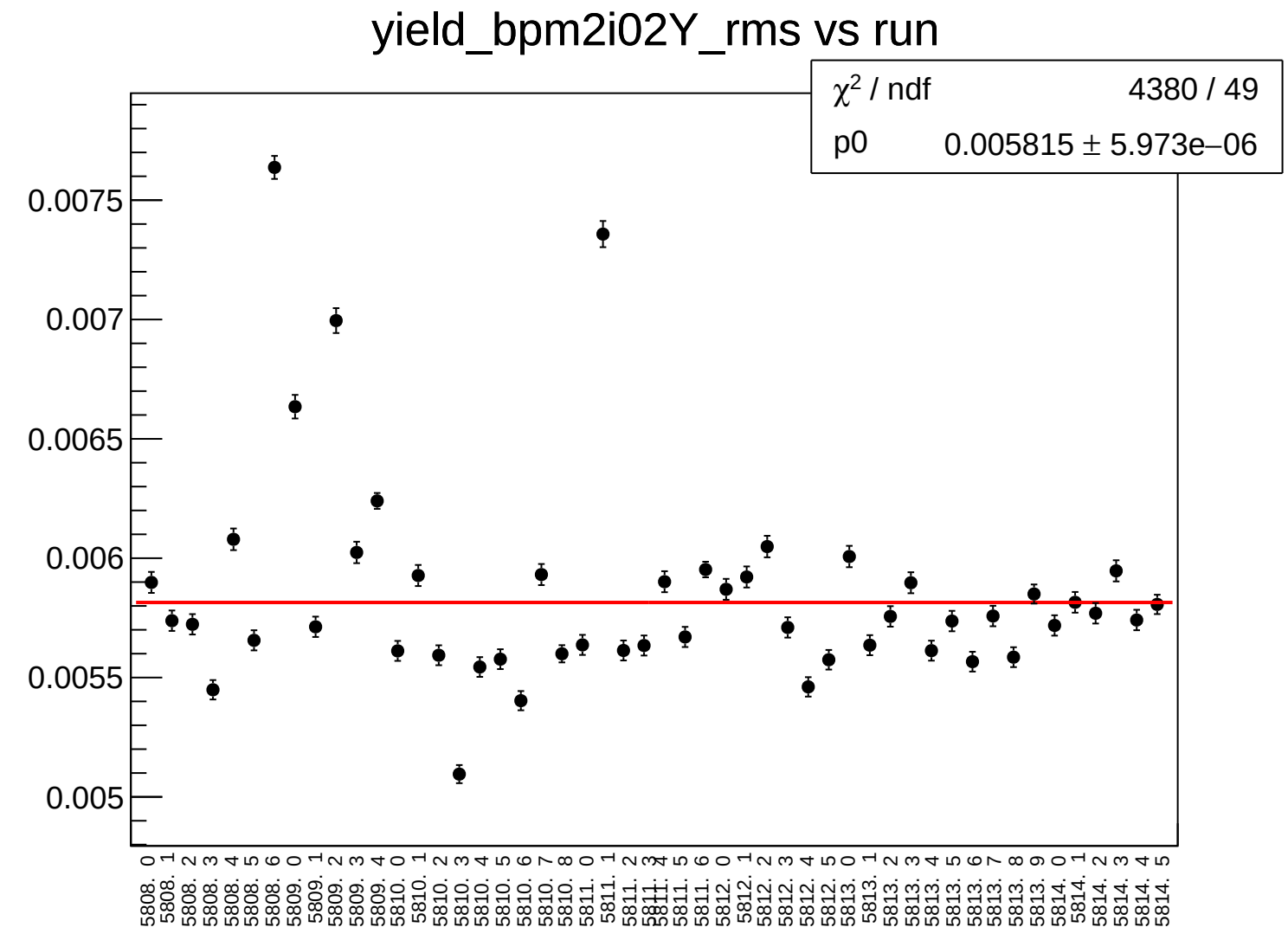

yield_bpm2i01Y_rms vs run
χ² / ndf 2.431e+04 / 49
p0 0.001548 ± 1.607e−06
0.0032
0.003
0.0028
0.0026
0.0024
0.0022
0.002
0.0018
0.0016
0.0014
0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

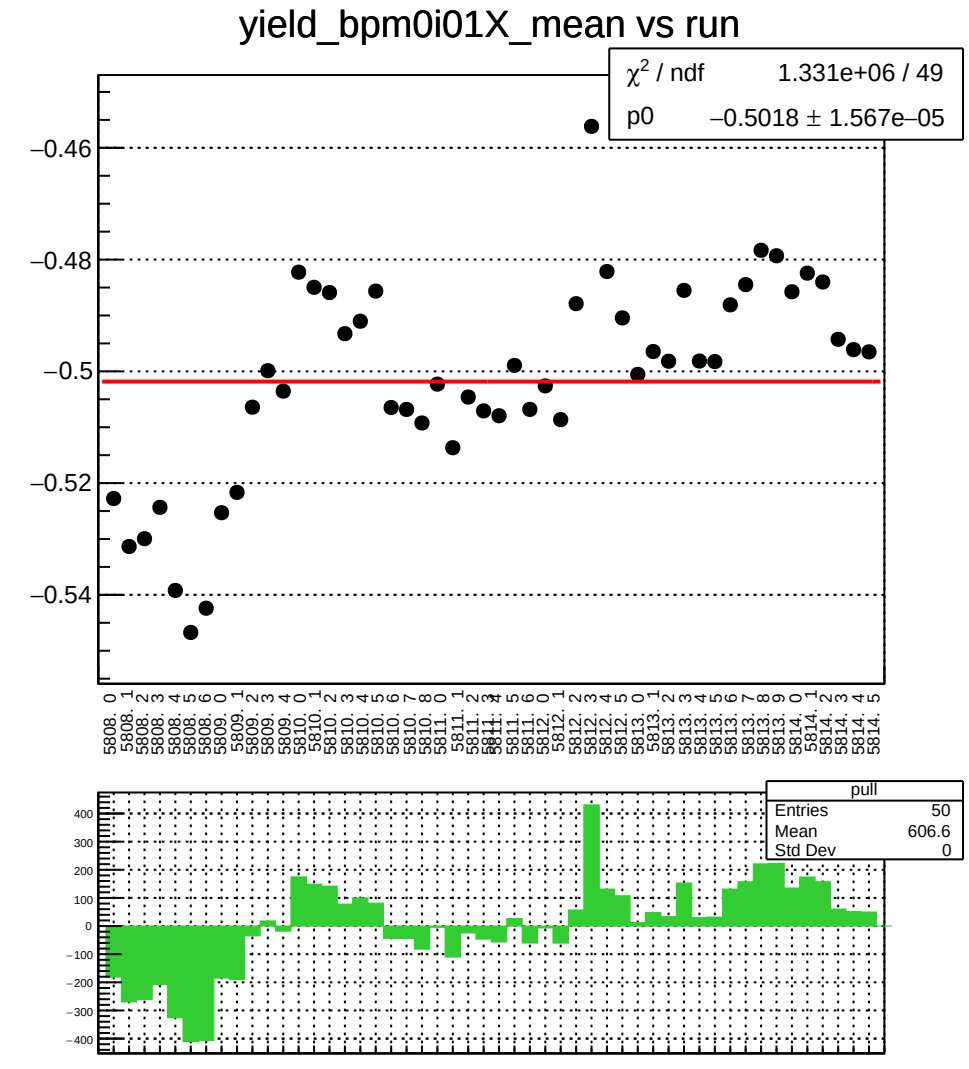

yield_bpm2i02X_mean vs run
χ² / ndf 9.023e+06 / 49
p0 1.084 ± 7.807e−06
1.1
1.08
1.06
1.04
1.02
pull
Entries 50
Mean −1.966e+04
Std Dev 0
400
200
0
−200
−400
−600
−800
−1000

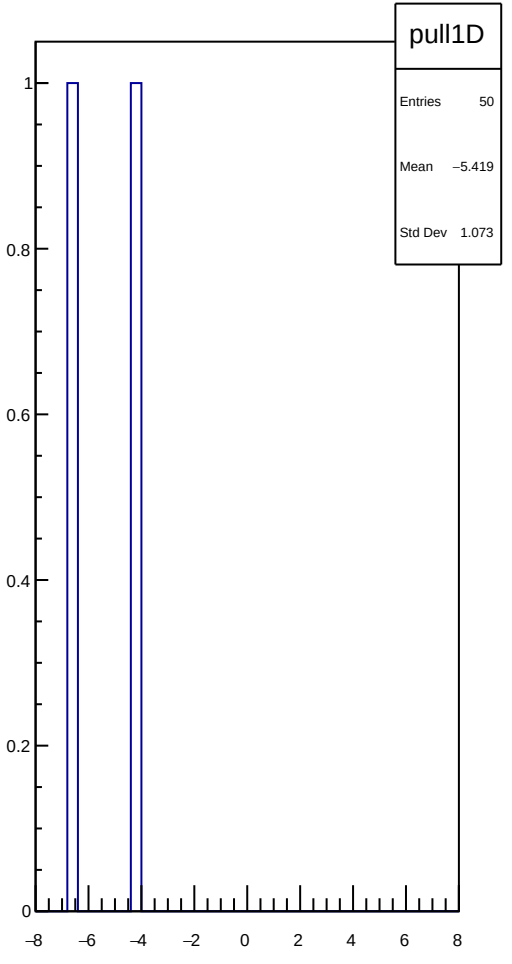

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm2i02X_rms vs run
χ² / ndf 2352 / 49
p0 0.00538 ± 5.52e−06
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


yield_bpm2i02Y_mean vs run
χ² / ndf 5.309e+07 / 49
p0 −2.328 ± 8.447e−06
−2.25
−2.3
−2.35
−2.4
−2.45
pull
Entries 50
Mean −1821
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm2i02Y_rms vs run
χ² / ndf 4380 / 49
p0 0.005815 ± 5.973e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


yield_bpm0i01X_mean vs run
χ² / ndf 1.331e+06 / 49
p0 −0.5018 ± 1.567e−05
−0.46
−0.48
−0.5
−0.52
−0.54
pull
Entries 50
Mean 606.6
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400


pull1D
Entries 50
Mean −5.419
Std Dev 1.073
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
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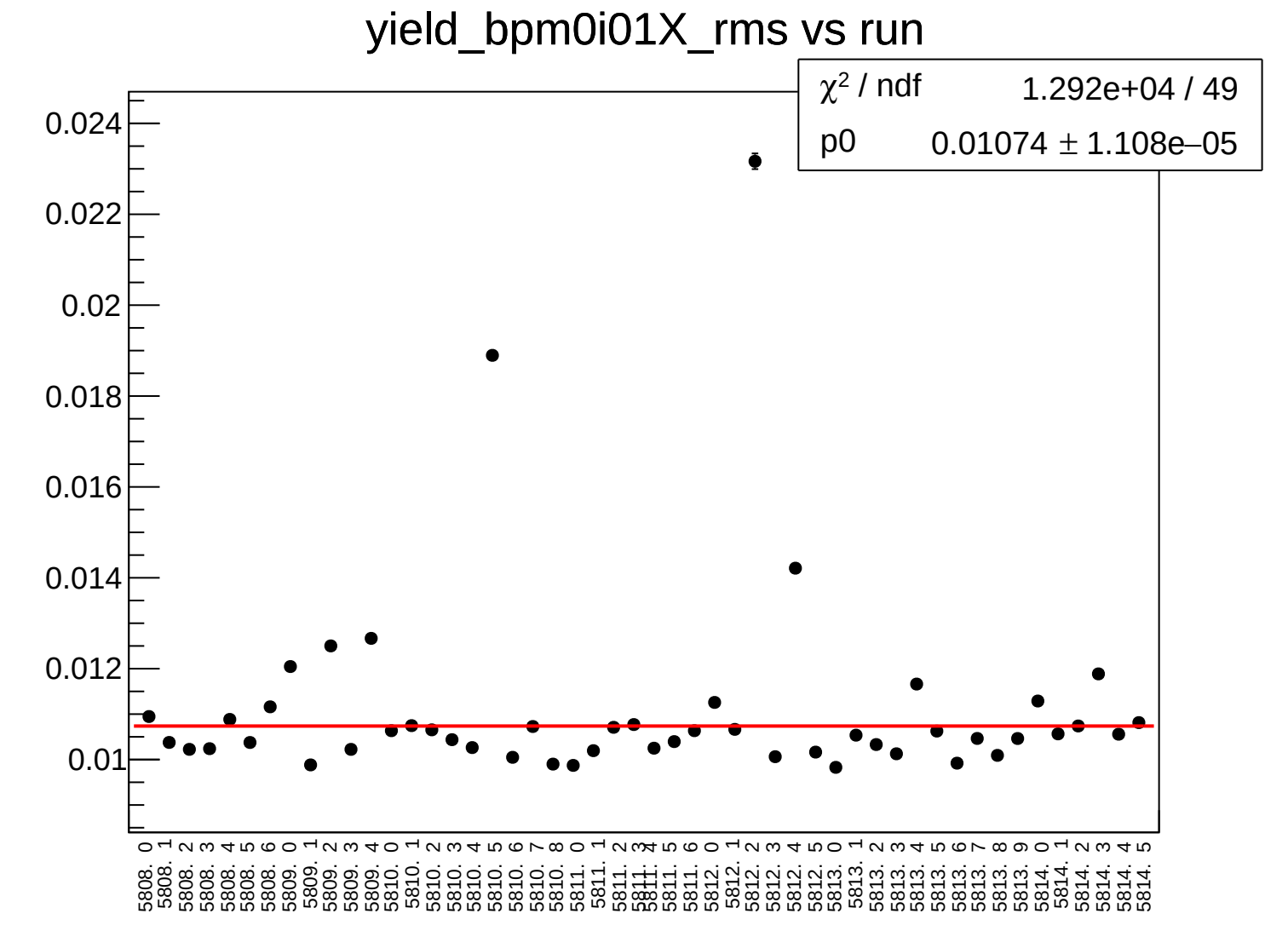
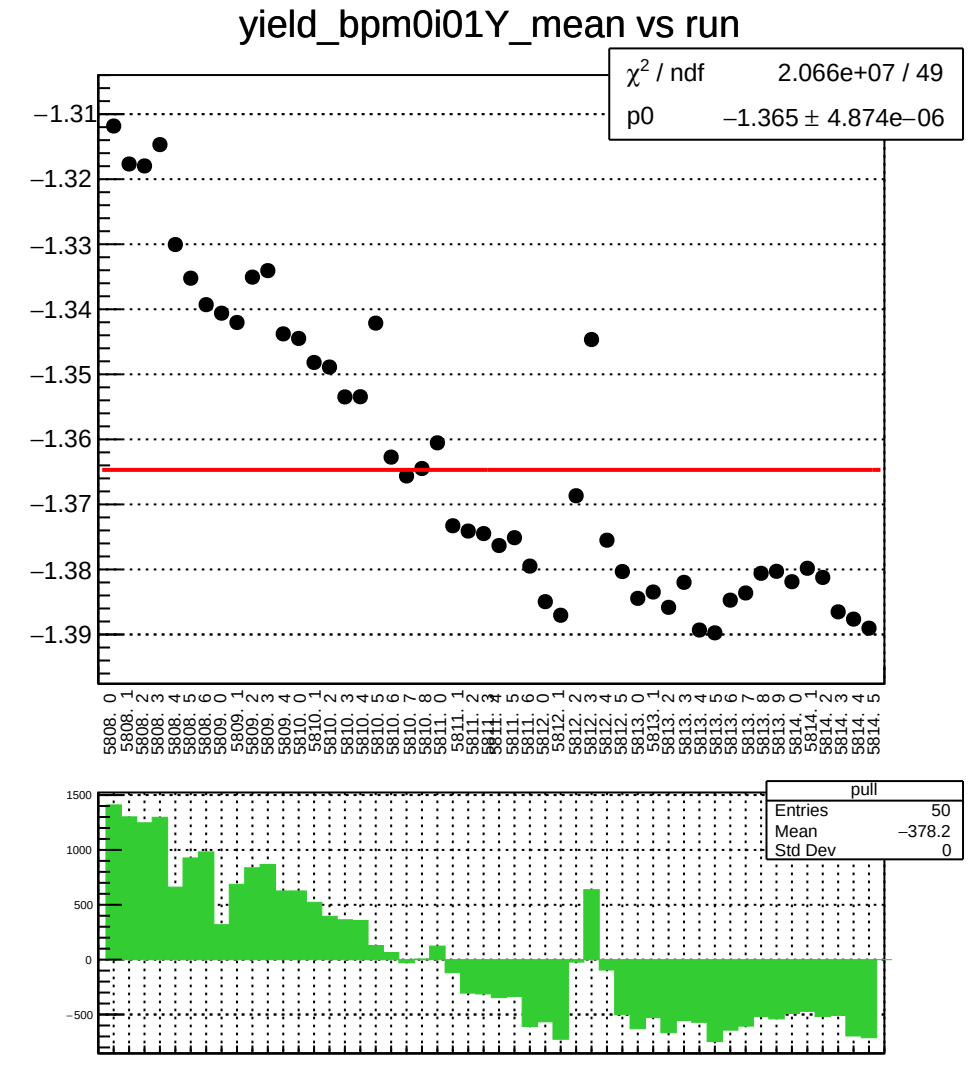
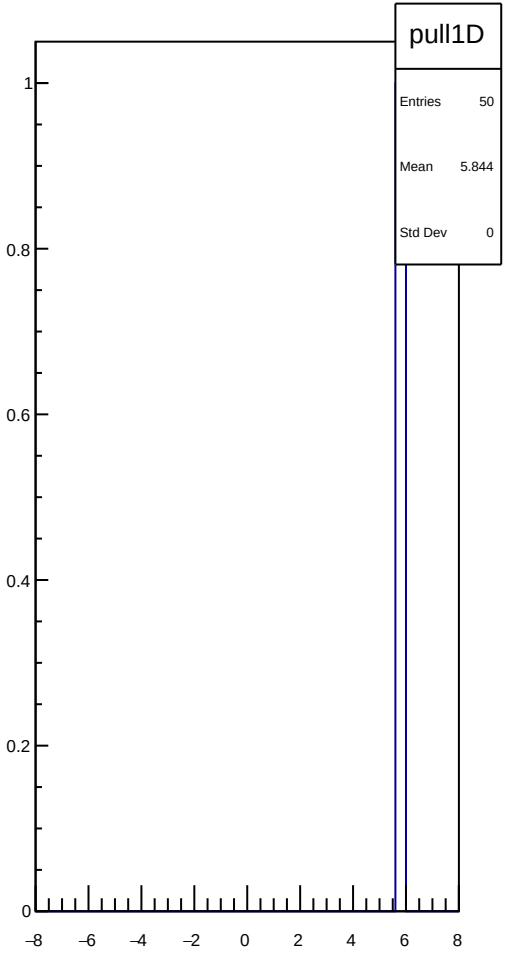
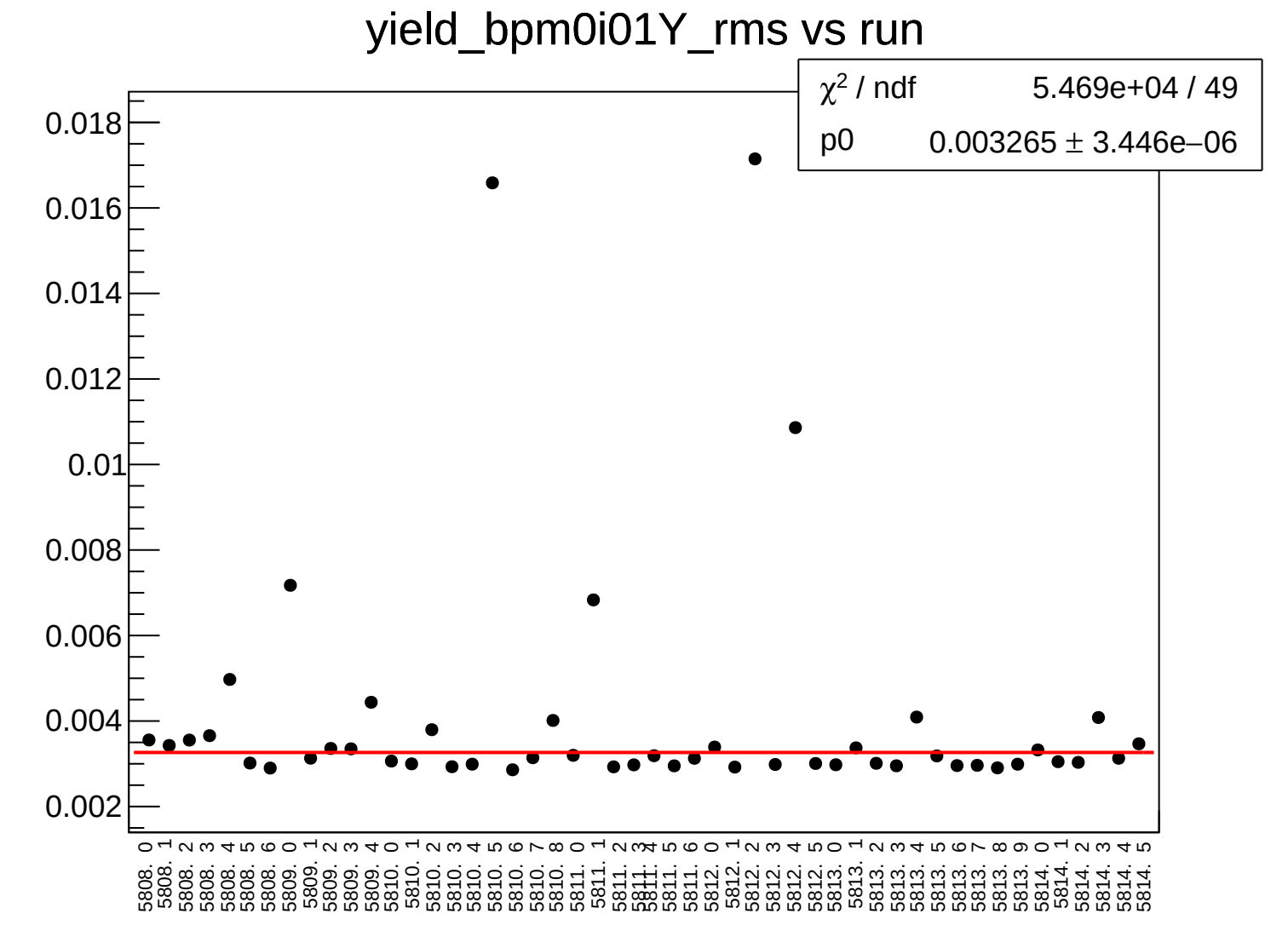
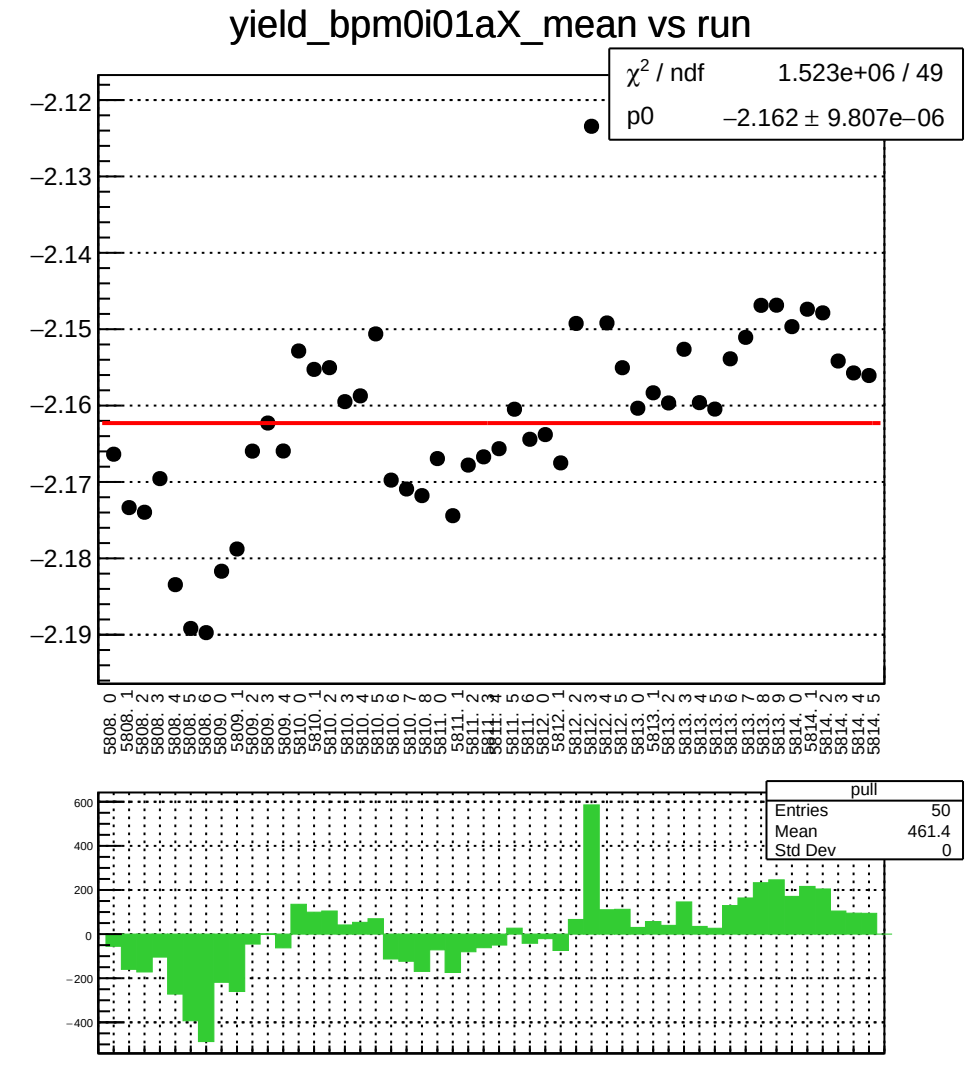
0
2
4
6
8

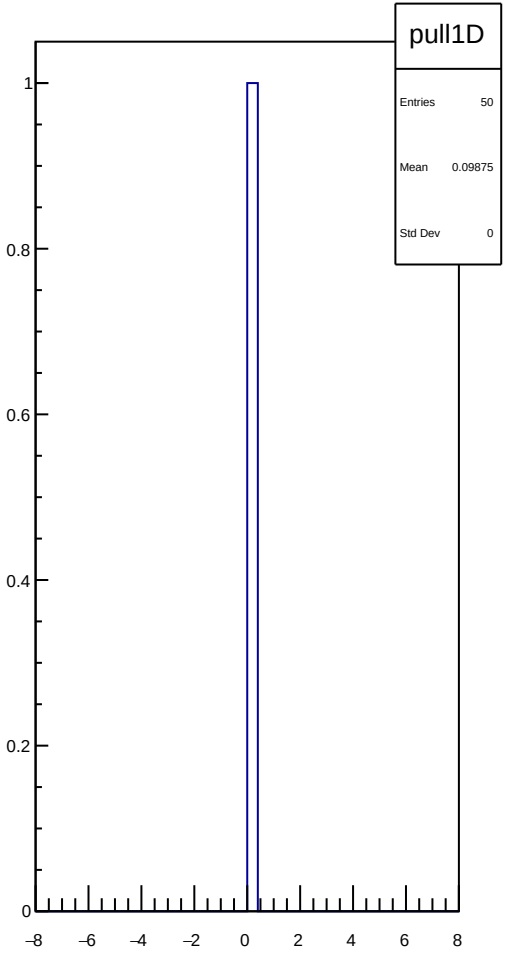

yield_bpm0i01X_rms vs run
χ² / ndf 1.292e+04 / 49
p0 0.01074 ± 1.108e–05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

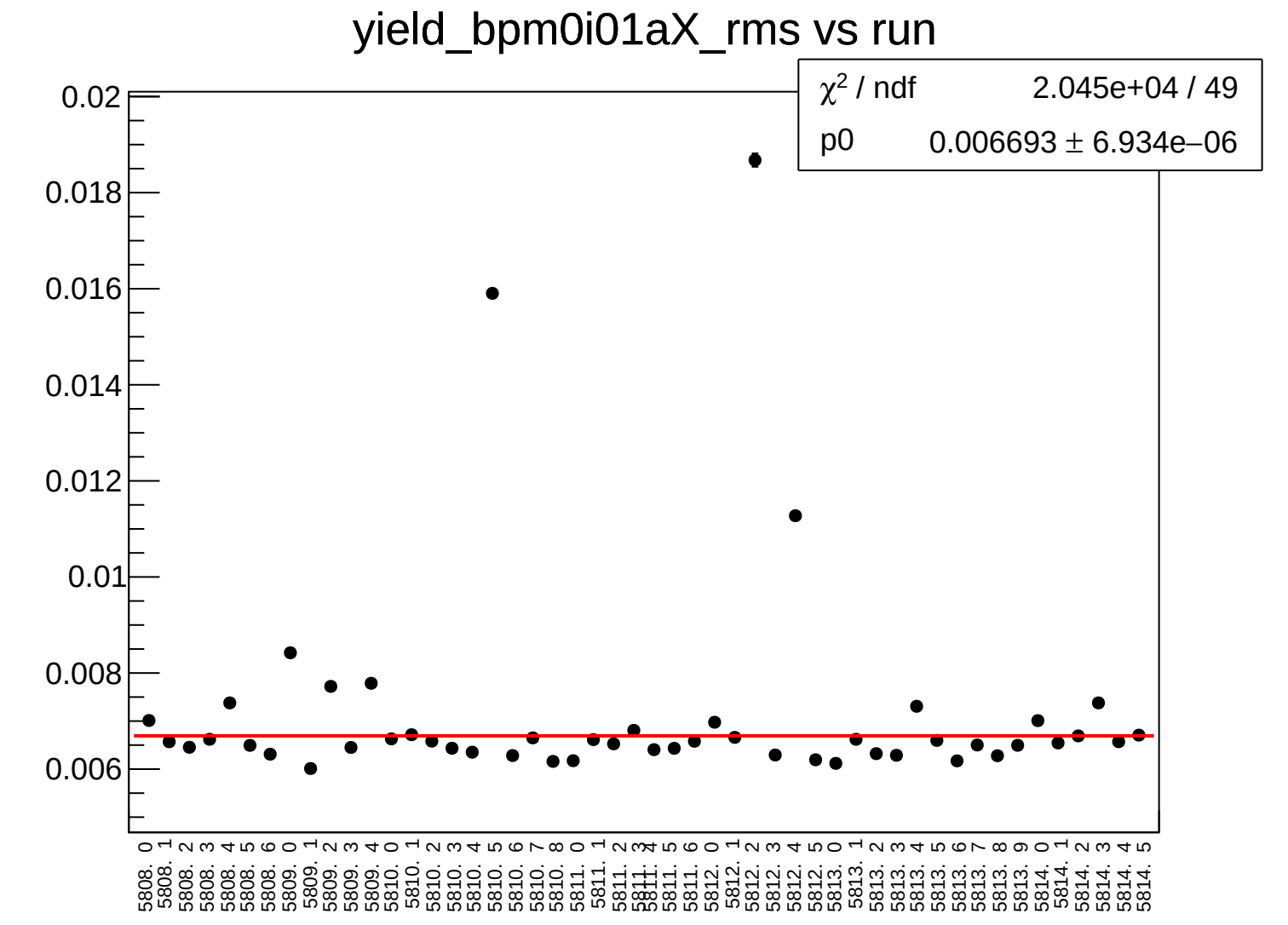

yield_bpm0i01Y_mean vs run
χ² / ndf 2.066e+07 / 49
p0 −1.365 ± 4.874e−06
−1.31
−1.32
−1.33
−1.34
−1.35
−1.36
−1.37
−1.38
−1.39
pull
Entries 50
Mean −378.2
Std Dev 0
1500
1000
500
0
−500

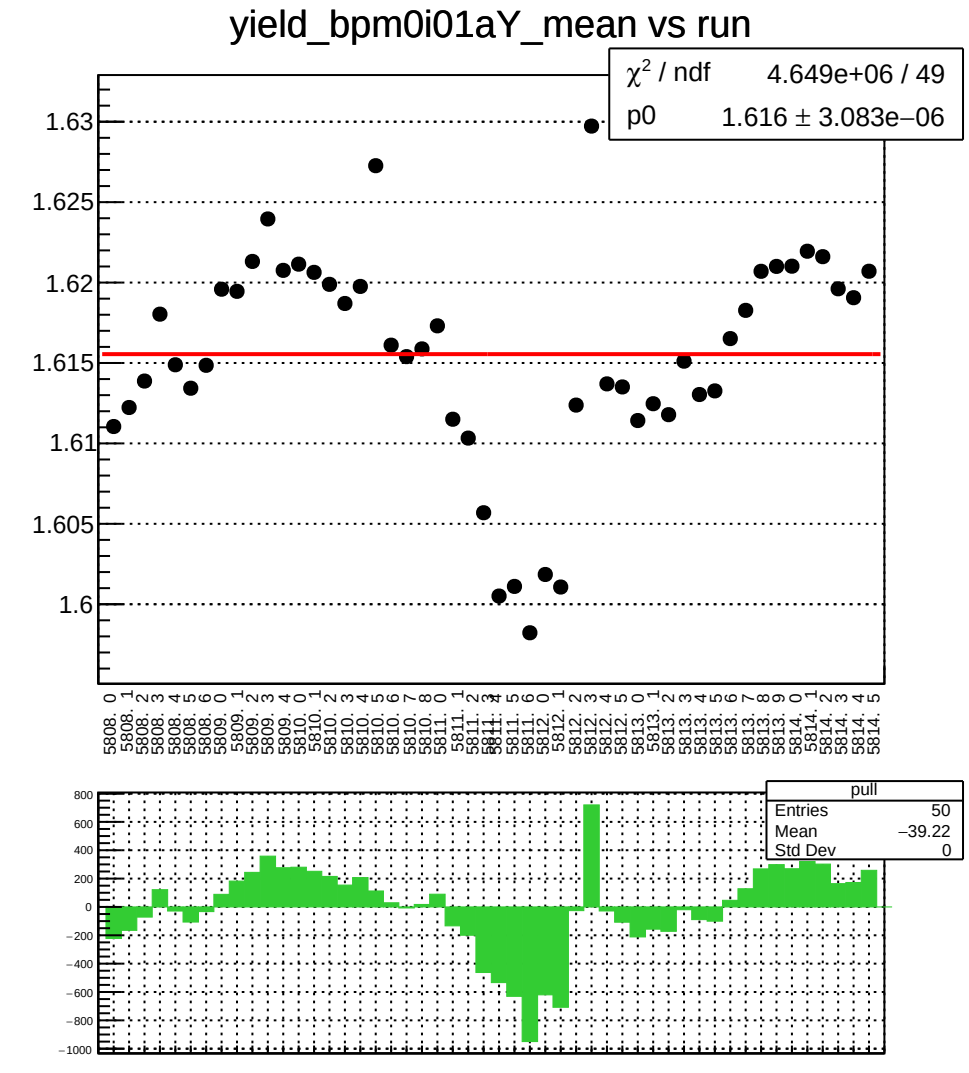

pull1D
Entries 50
Mean 5.844
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

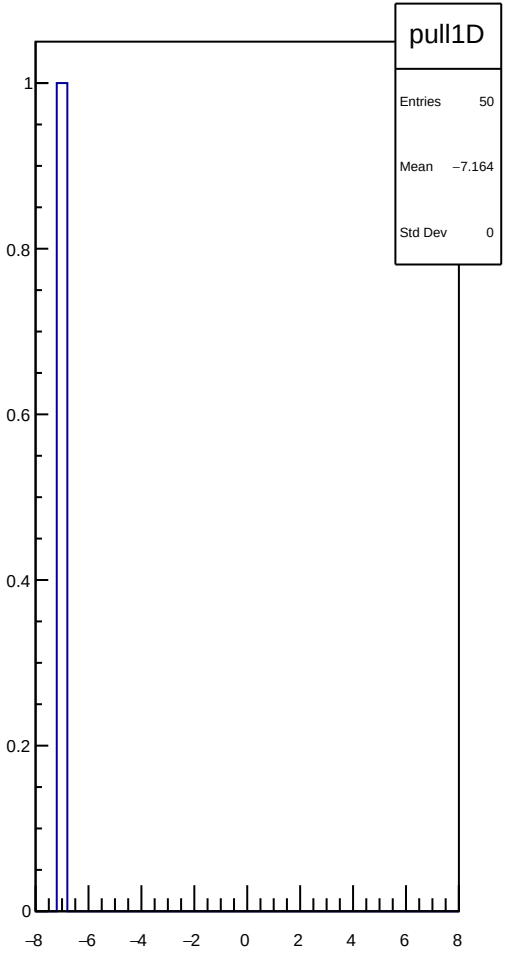

yield_bpm0i01Y_rms vs run
χ² / ndf 5.469e+04 / 49
p0 0.003265 ± 3.446e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

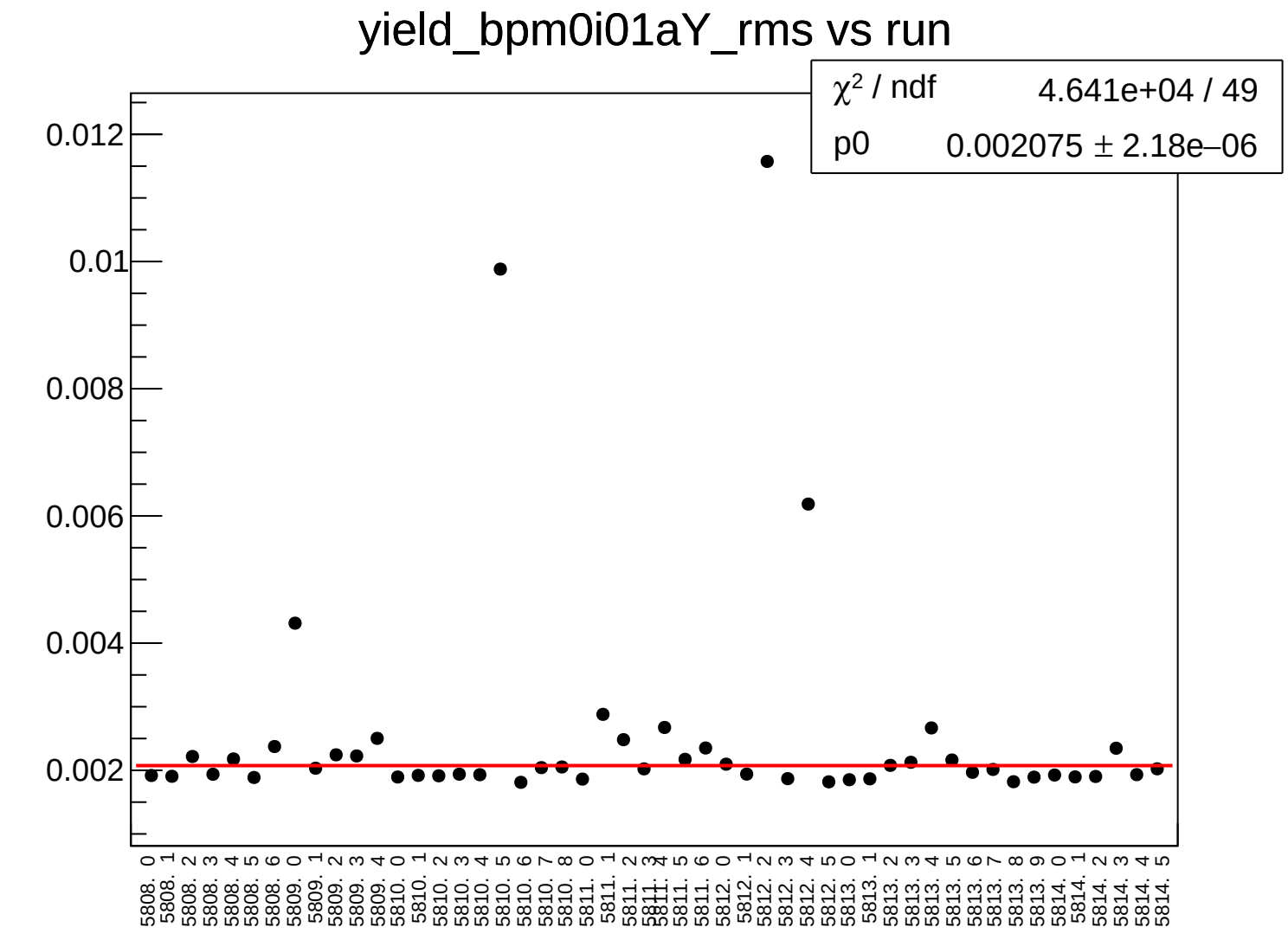

yield_bpm0i01aX_mean vs run
χ² / ndf 1.523e+06 / 49
p0 −2.162 ± 9.807e−06
−2.12
−2.13
−2.14
−2.15
−2.16
−2.17
−2.18
−2.19
pull
Entries 50
Mean 461.4
Std Dev 0
600
400
200
0
−200
−400

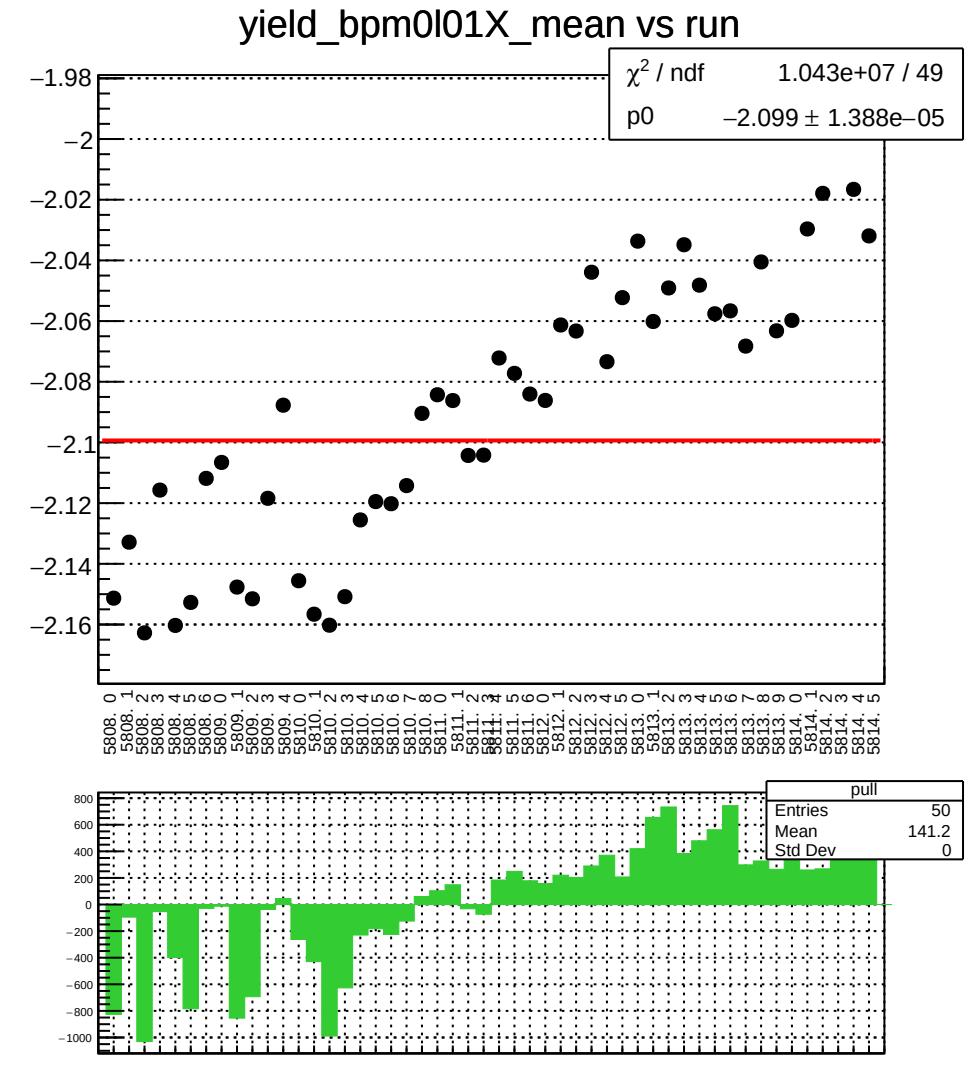

pull1D
Entries 50
Mean 0.09875
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

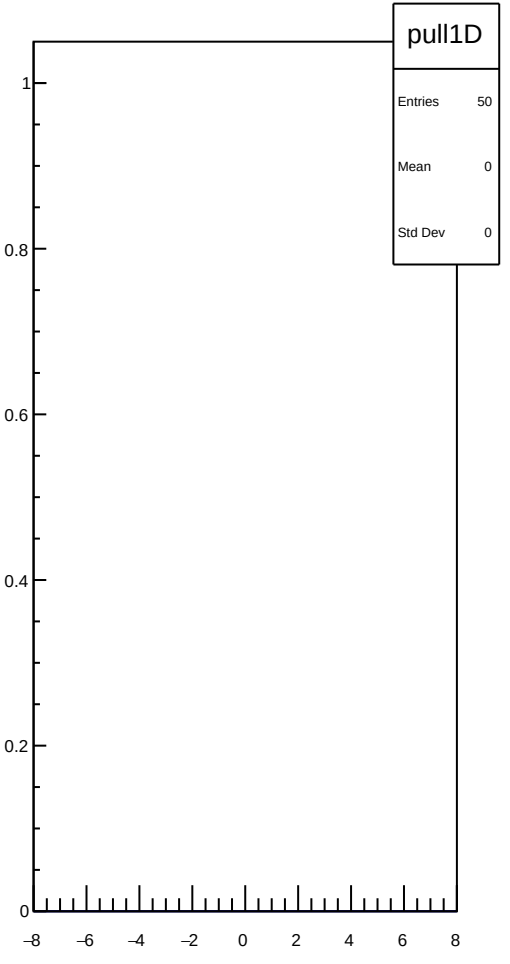

yield_bpm0i01aX_rms vs run
χ² / ndf 2.045e+04 / 49
p0 0.006693 ± 6.934e−06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

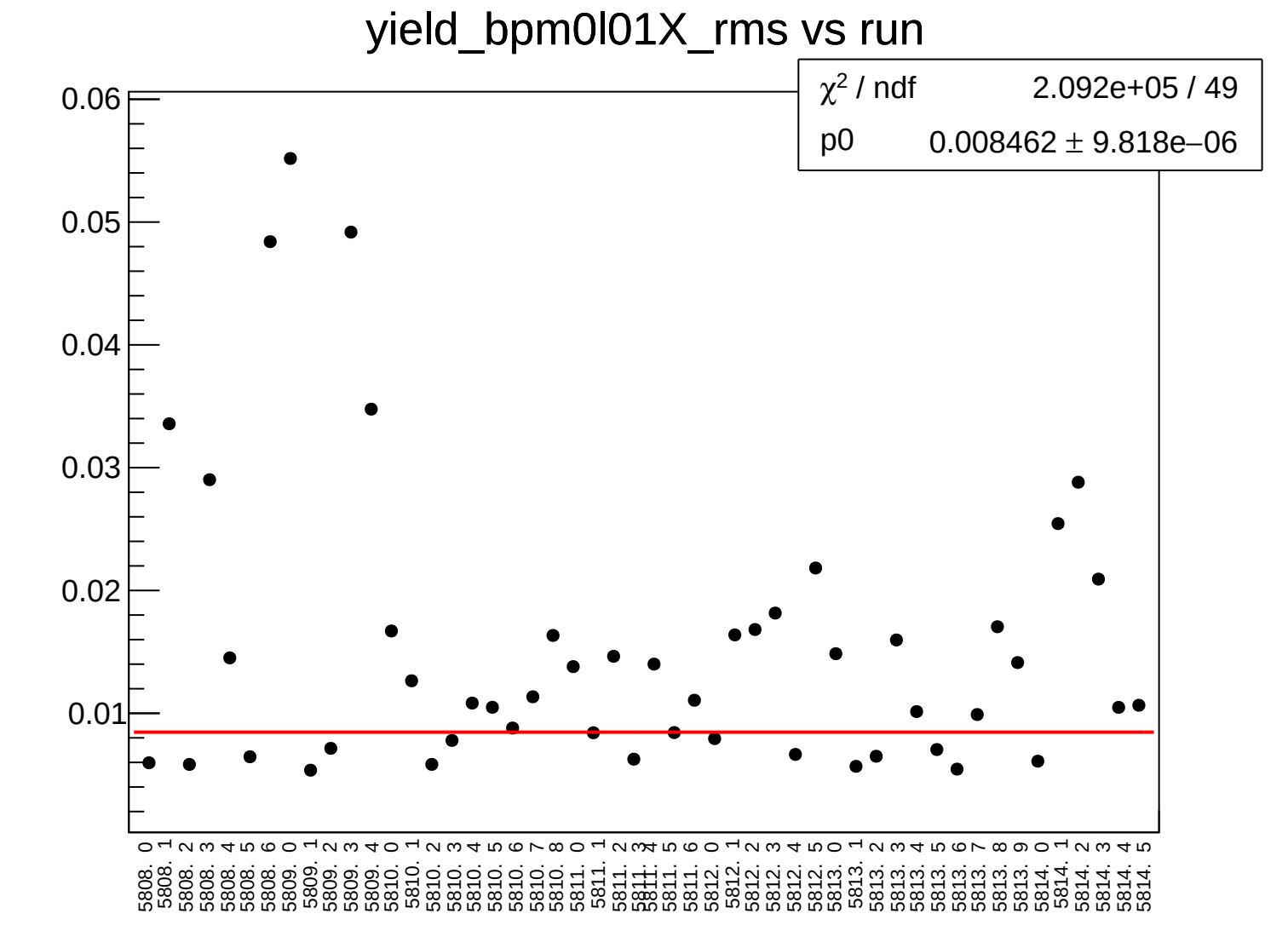

yield_bpm0i01aY_mean vs run
χ² / ndf 4.649e+06 / 49
p0 1.616 ± 3.083e−06
1.63
1.625
1.62
1.615
1.61
1.605
1.6
pull
Entries 50
Mean −39.22
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

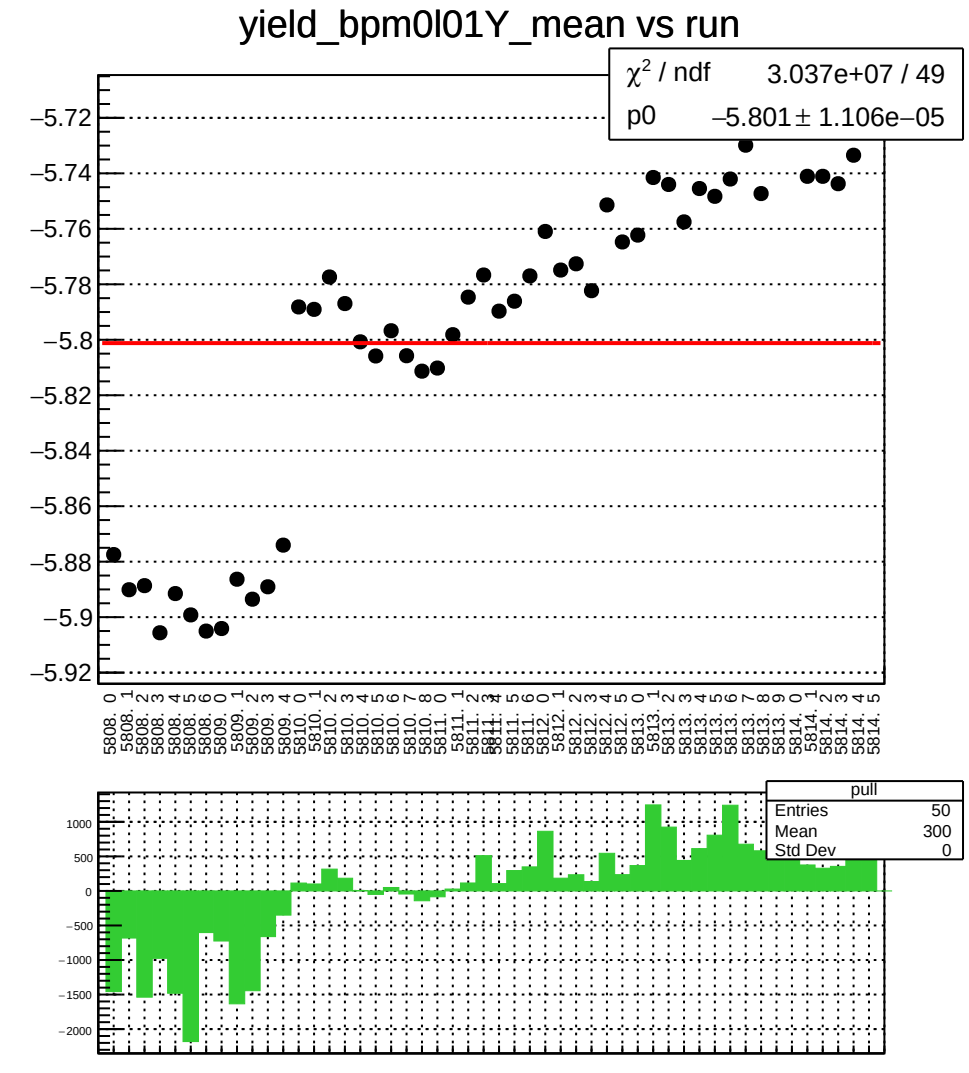

pull1D
Entries 50
Mean −7.164
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

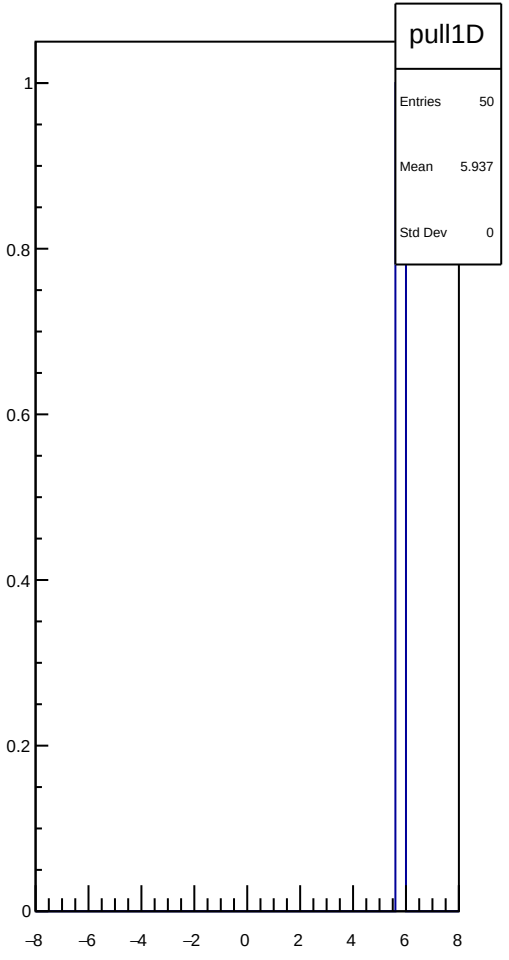

yield_bpm0i01aY_rms vs run
χ² / ndf 4.641e+04 / 49
p0 0.002075 ± 2.18e–06
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

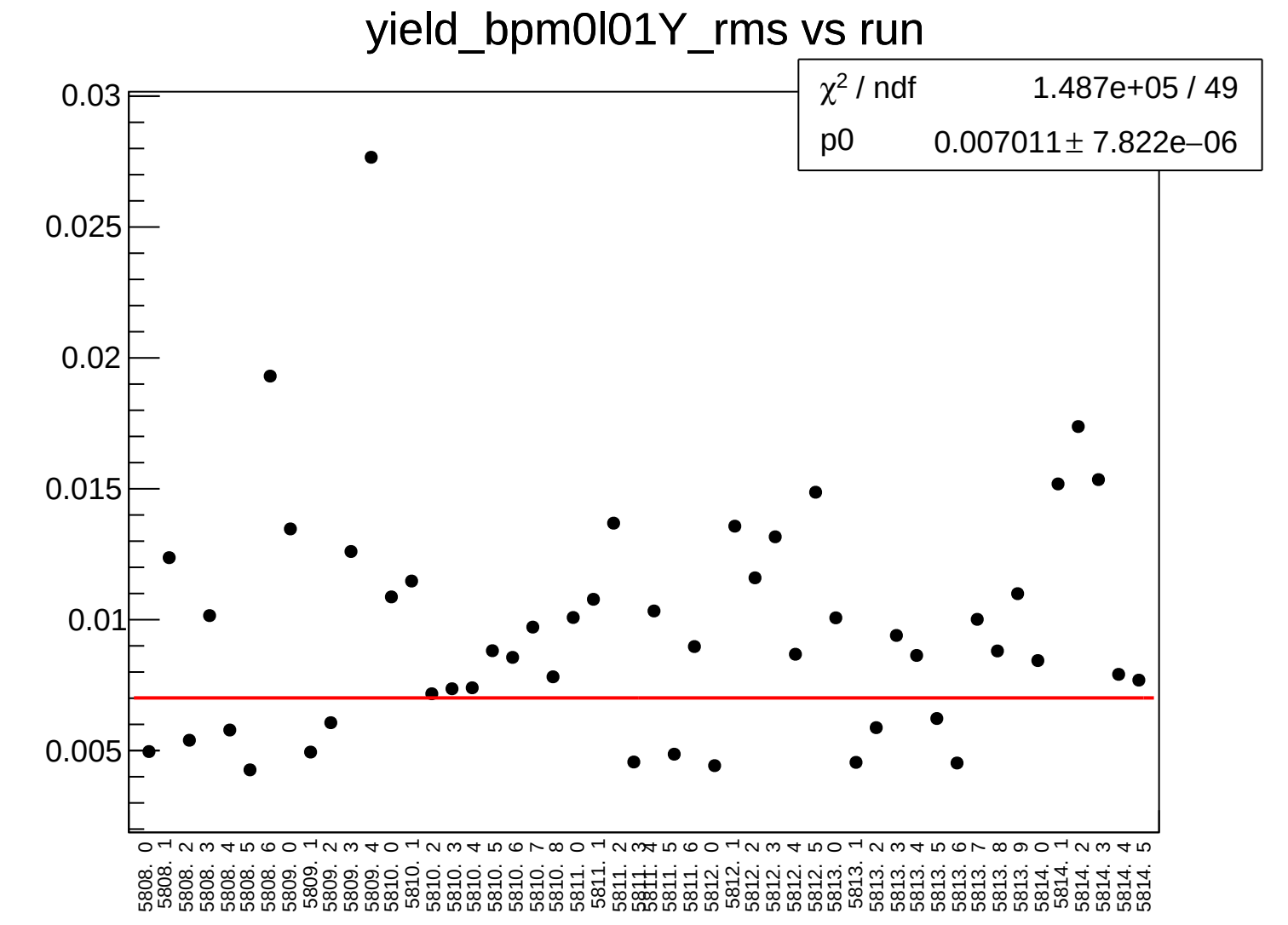

yield_bpm0l01X_mean vs run
χ² / ndf 1.043e+07 / 49
p0 −2.099 ± 1.388e−05
−1.98
−2
−2.02
−2.04
−2.06
−2.08
−2.1
−2.12
−2.14
−2.16
pull
Entries 50
Mean 141.2
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000

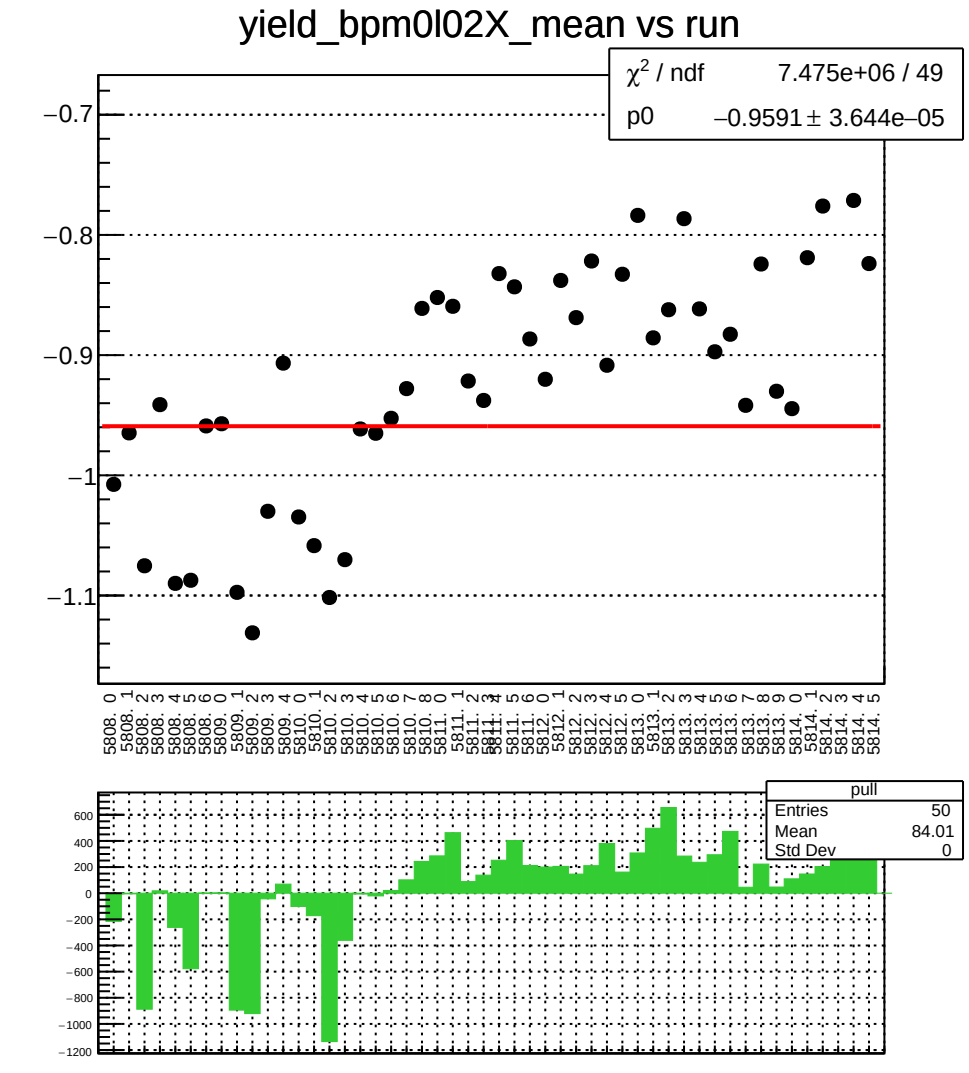

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

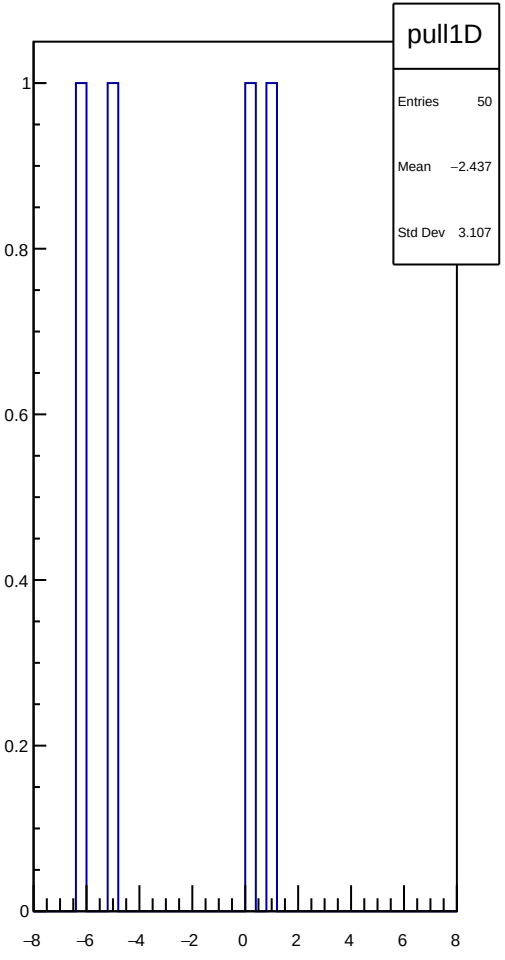

yield_bpm0l01X_rms vs run
χ² / ndf 2.092e+05 / 49
p0 0.008462 ± 9.818e−06
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

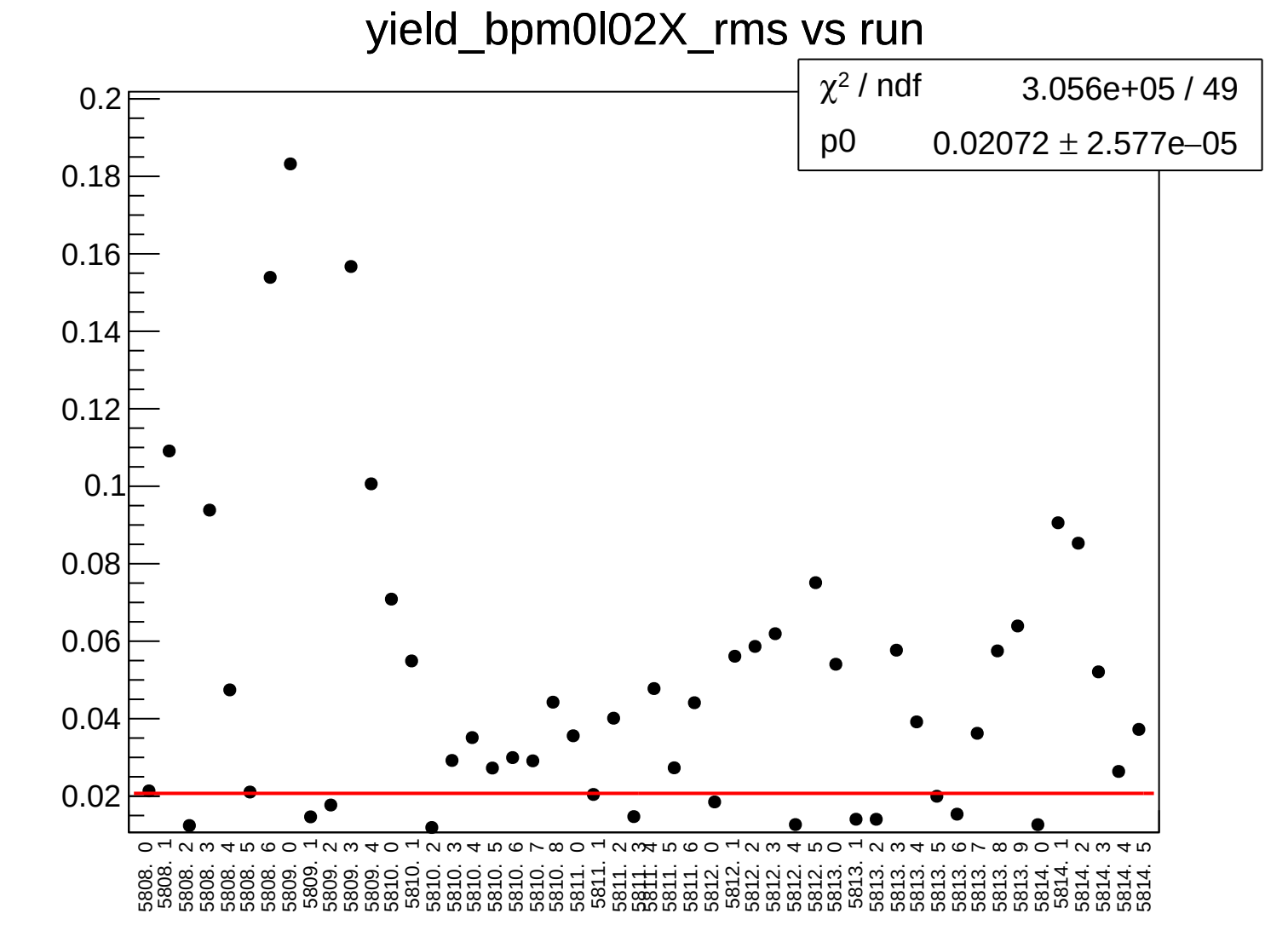

yield_bpm0l01Y_mean vs run
χ² / ndf 3.037e+07 / 49
p0 −5.801 ± 1.106e−05
−5.72
−5.74
−5.76
−5.78
−5.8
−5.82
−5.84
−5.86
−5.88
−5.9
−5.92
pull
Entries 50
Mean 300
Std Dev 0
1000
500
0
−500
−1000
−1500
−2000

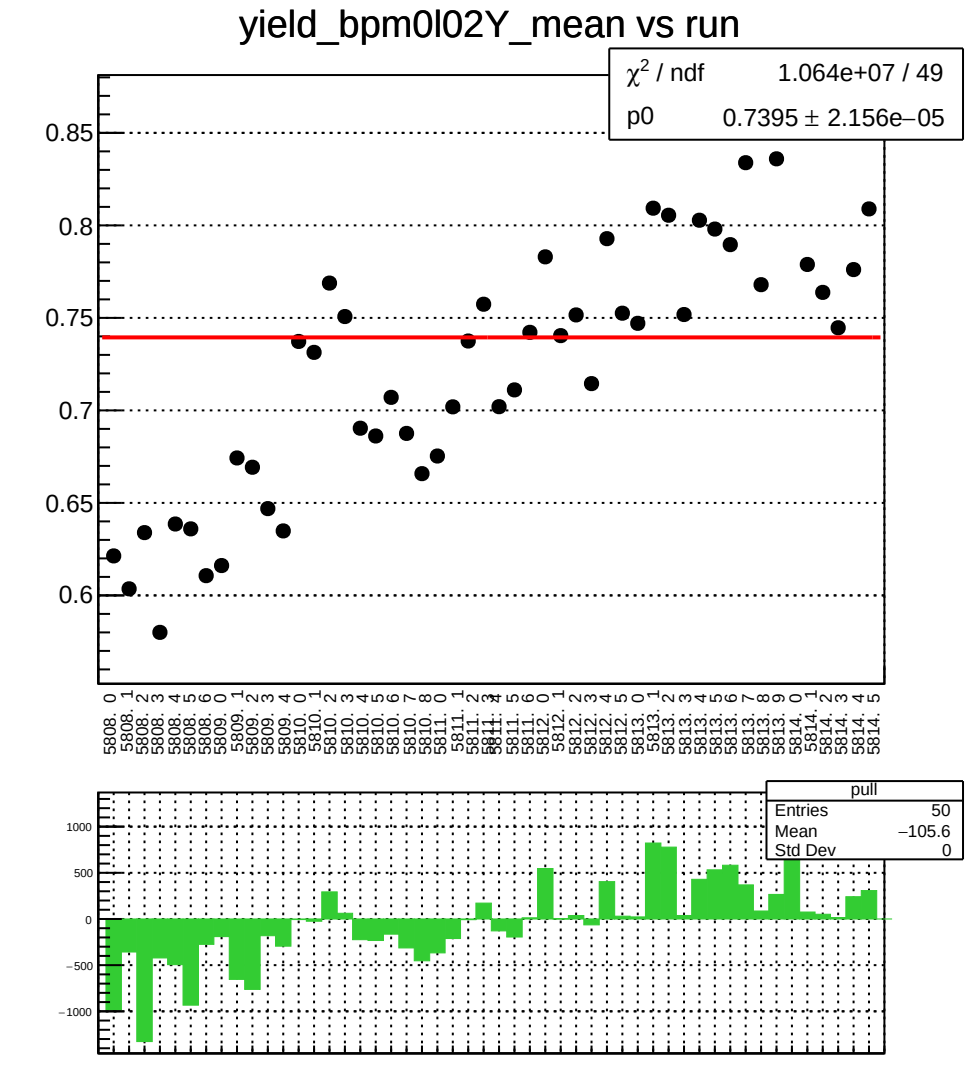

pull1D
Entries 50
Mean 5.937
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

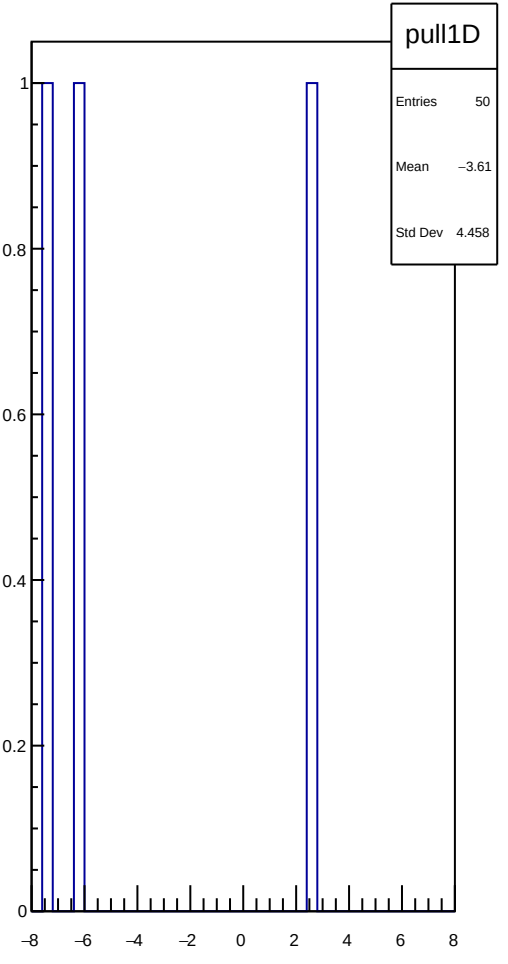

yield_bpm0l01Y_rms vs run
χ² / ndf 1.487e+05 / 49
p0 0.007011 ± 7.822e−06
0.03
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

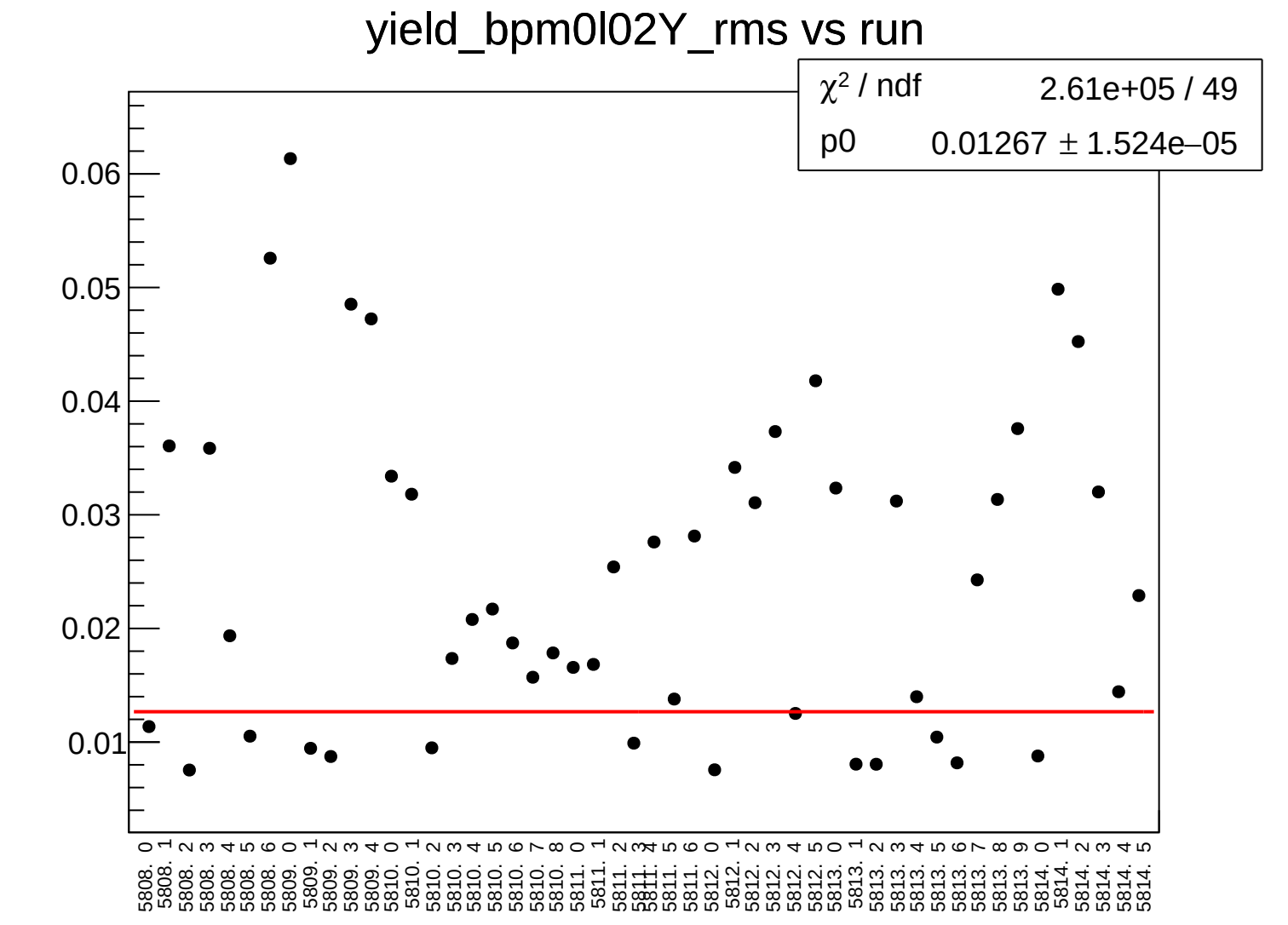

yield_bpm0l02X_mean vs run
χ² / ndf 7.475e+06 / 49
p0 −0.9591 ± 3.644e−05
pull
Entries 50
Mean 84.01
Std Dev 0

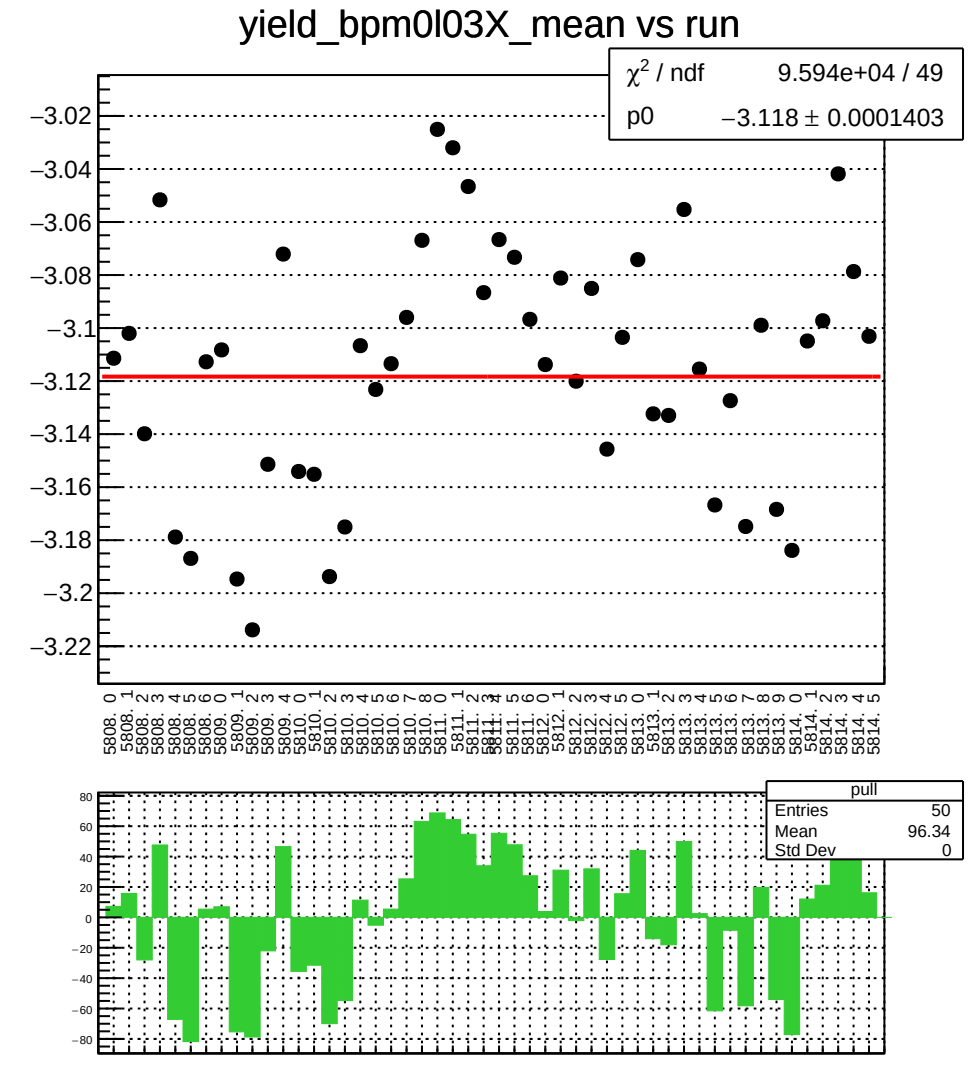

pull1D
Entries 50
Mean −2.437
Std Dev 3.107

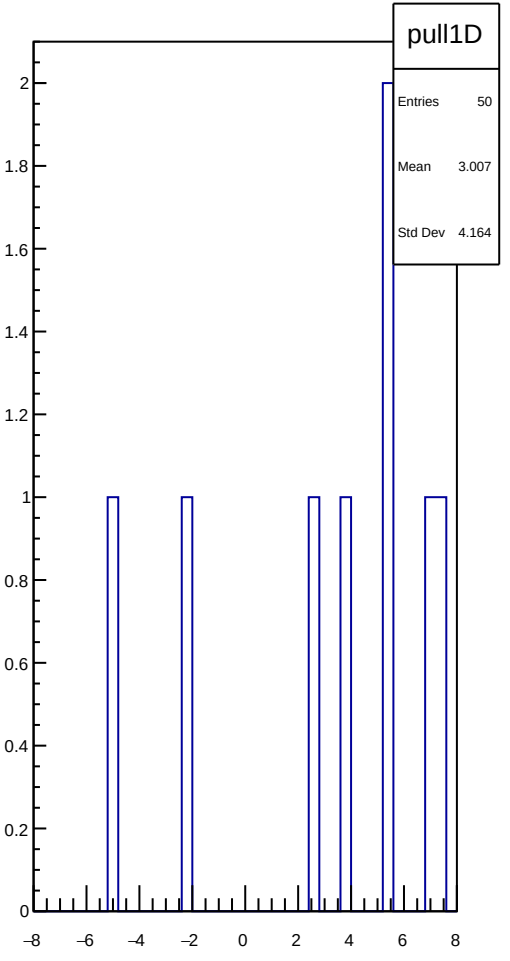

yield_bpm0l02X_rms vs run
χ² / ndf 3.056e+05 / 49
p0 0.02072 ± 2.577e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

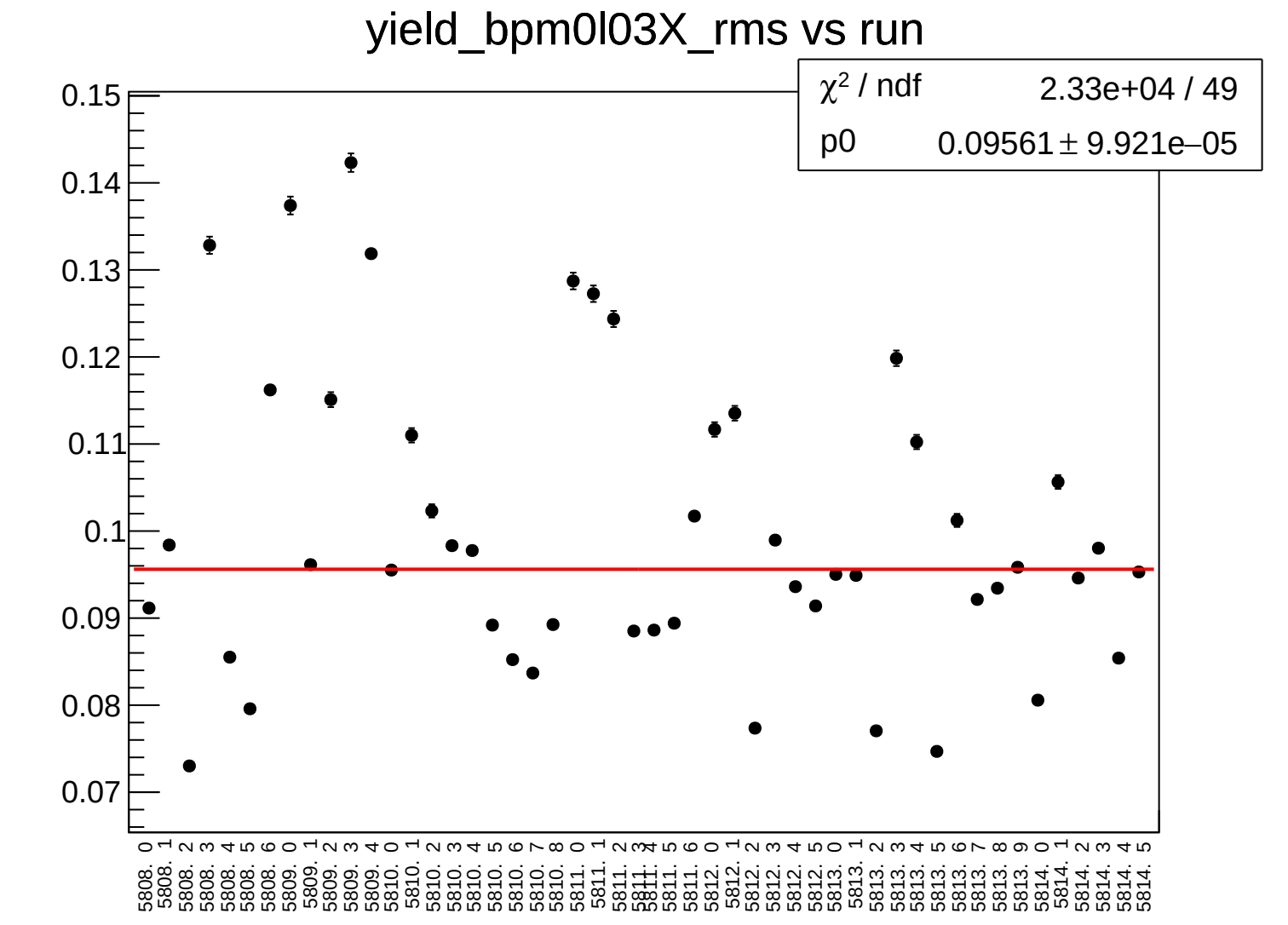

yield_bpm0l02Y_mean vs run
χ² / ndf 1.064e+07 / 49
p0 0.7395 ± 2.156e−05
0.85
0.8
0.75
0.7
0.65
0.6
pull
Entries 50
Mean −105.6
Std Dev 0
1000
500
0
−500
−1000

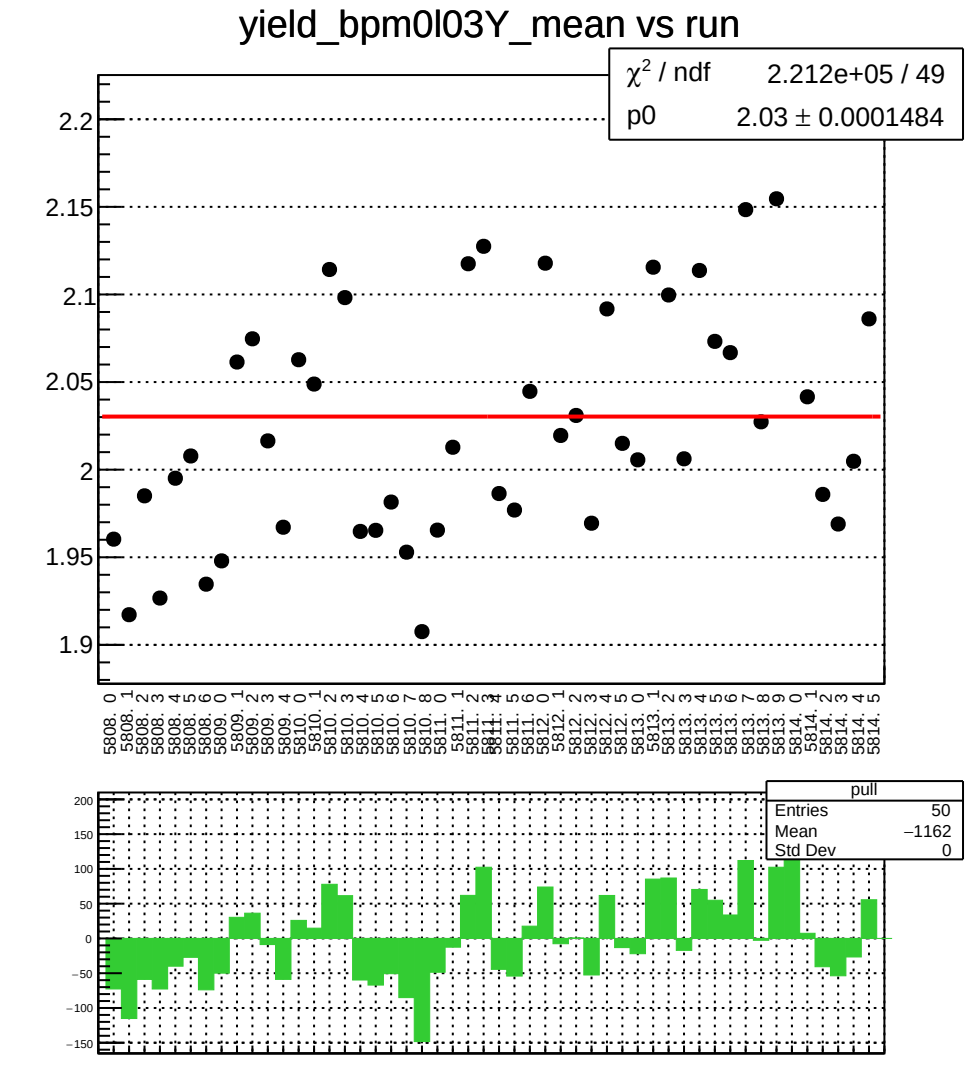

pull1D
Entries 50
Mean −3.61
Std Dev 4.458
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

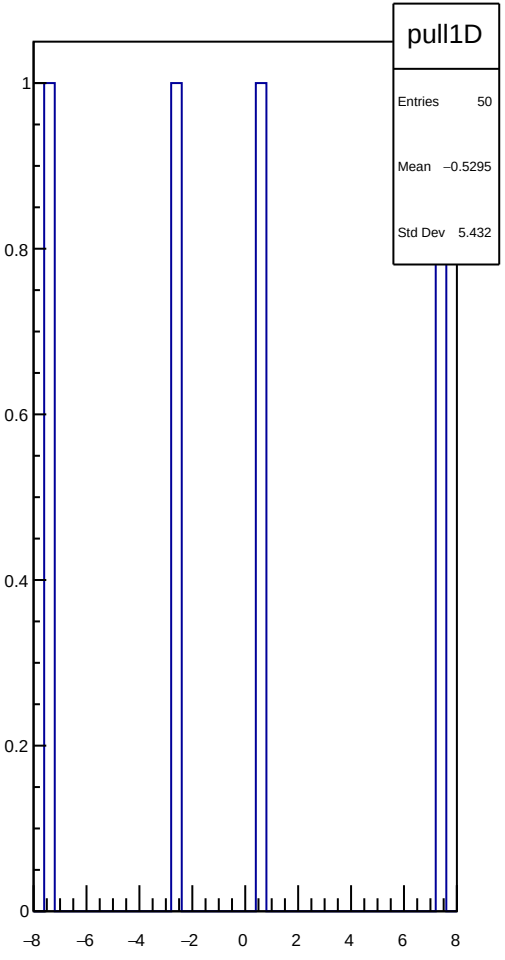

yield_bpm0l02Y_rms vs run
χ² / ndf 2.61e+05 / 49
p0 0.01267 ± 1.524e−05
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

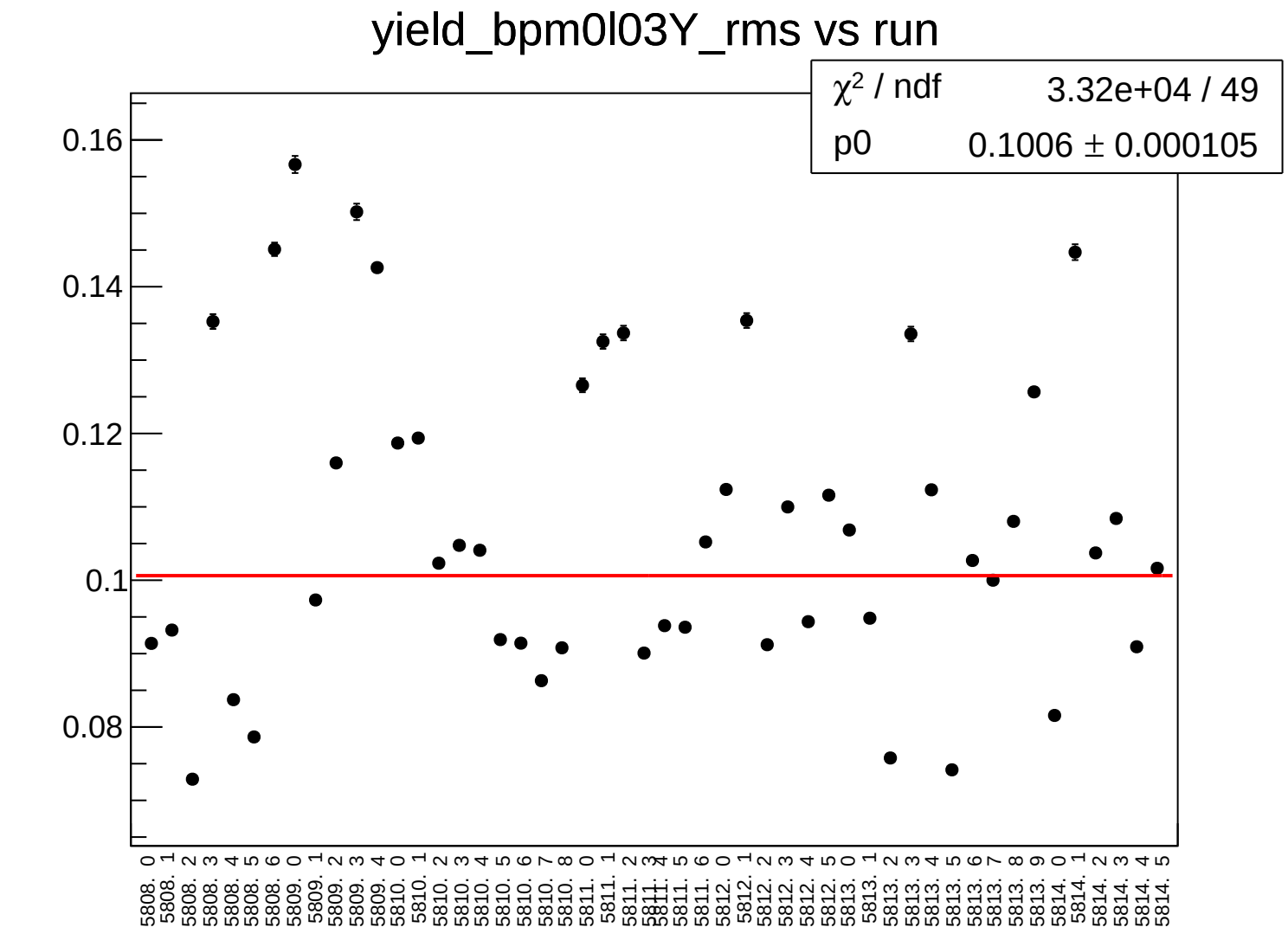

yield_bpm0l03X_mean vs run
χ² / ndf 9.594e+04 / 49
p0 −3.118 ± 0.0001403
−3.02
−3.04
−3.06
−3.08
−3.1
−3.12
−3.14
−3.16
−3.18
−3.2
−3.22
pull
Entries 50
Mean 96.34
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80

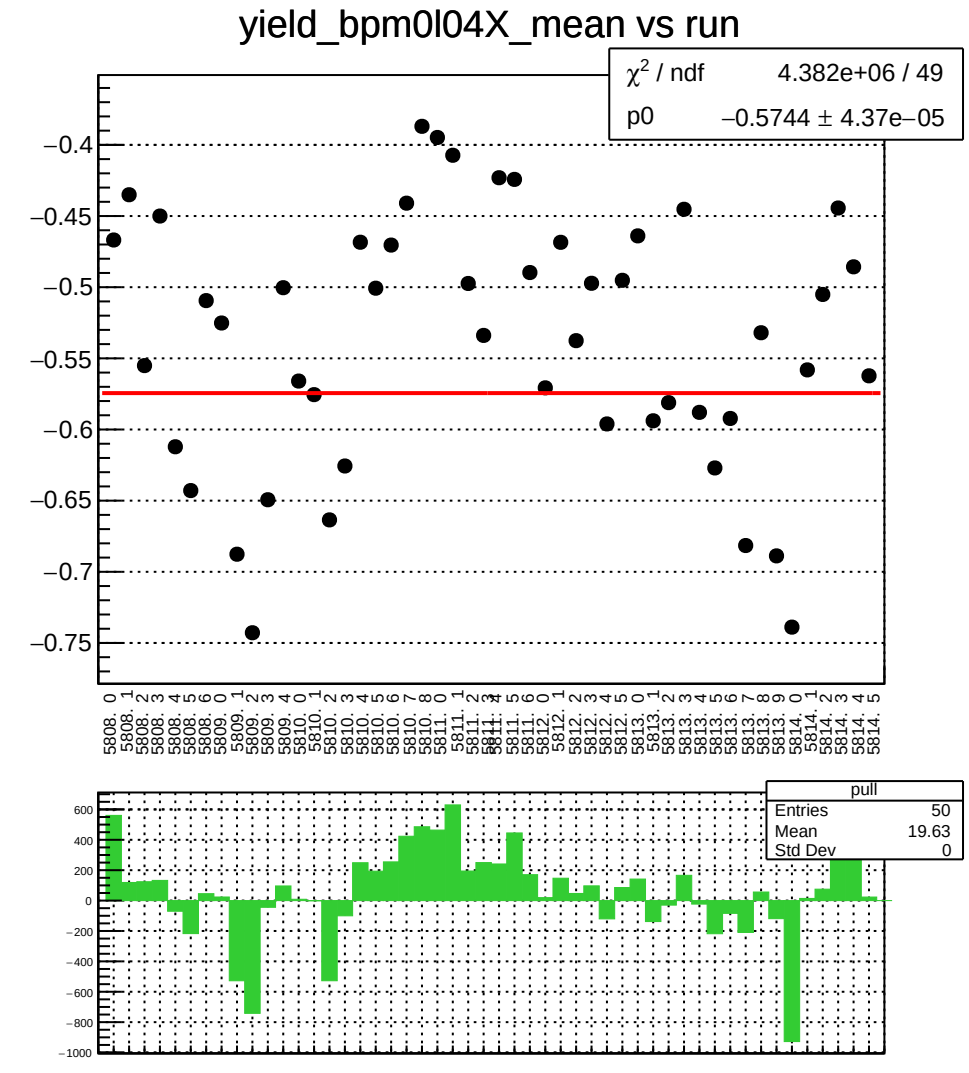

pull1D
Entries 50
Mean 3.007
Std Dev 4.164
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

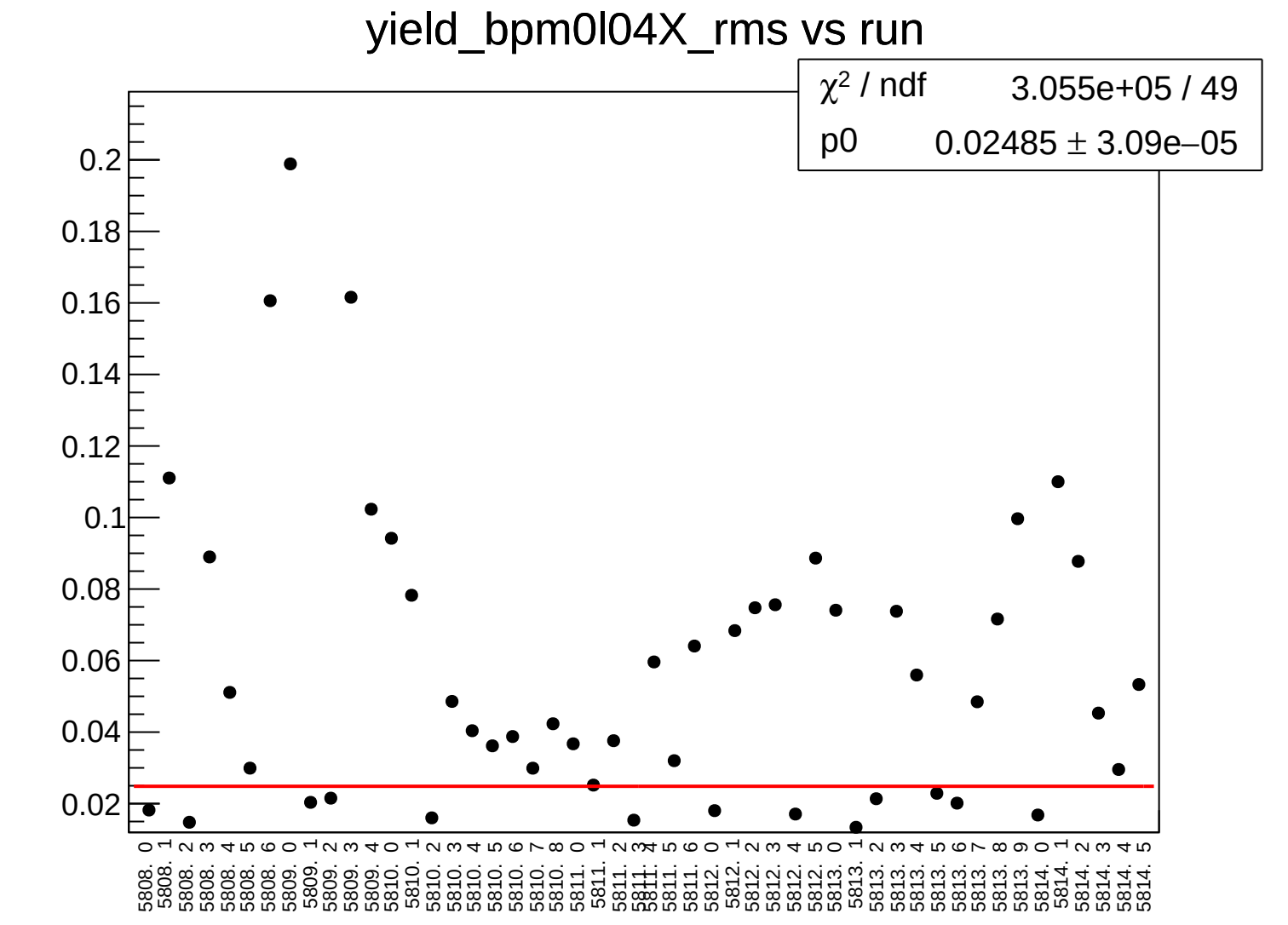

yield_bpm0l03X_rms vs run
χ² / ndf 2.33e+04 / 49
p0 0.09561 ± 9.921e–05
0.15
0.14
0.13
0.12
0.11
0.1
0.09
0.08
0.07
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

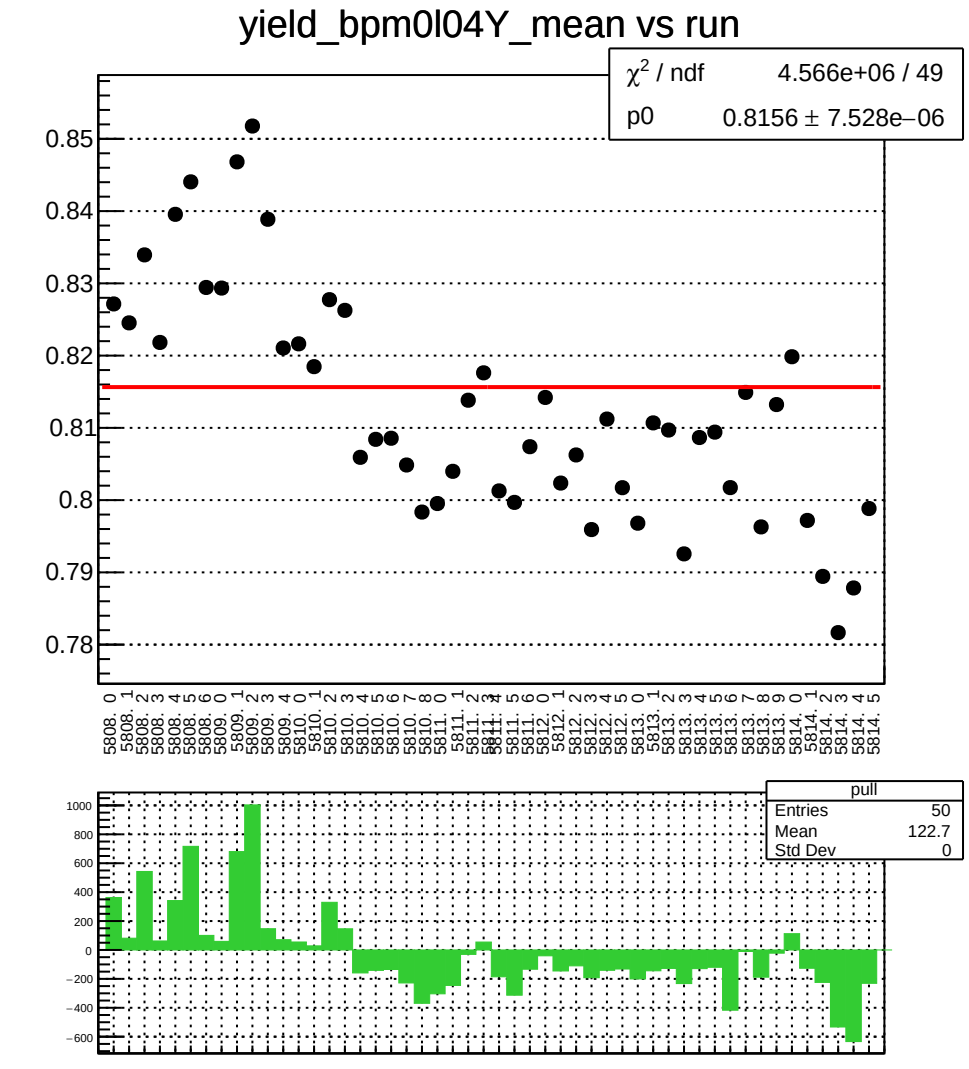

yield_bpm0l03Y_mean vs run
χ² / ndf 2.212e+05 / 49
p0 2.03 ± 0.0001484
pull
Entries 50
Mean −1162
Std Dev 0

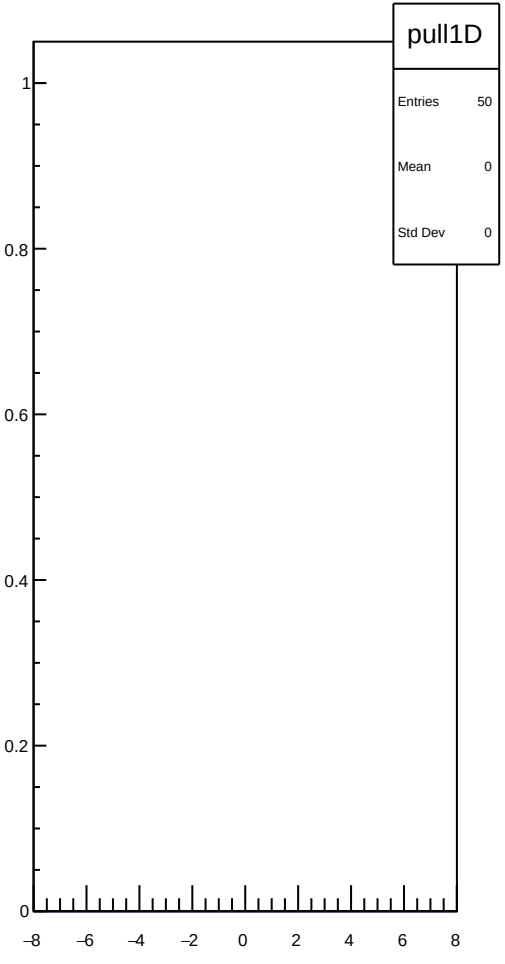

pull1D
Entries 50
Mean −0.5295
Std Dev 5.432

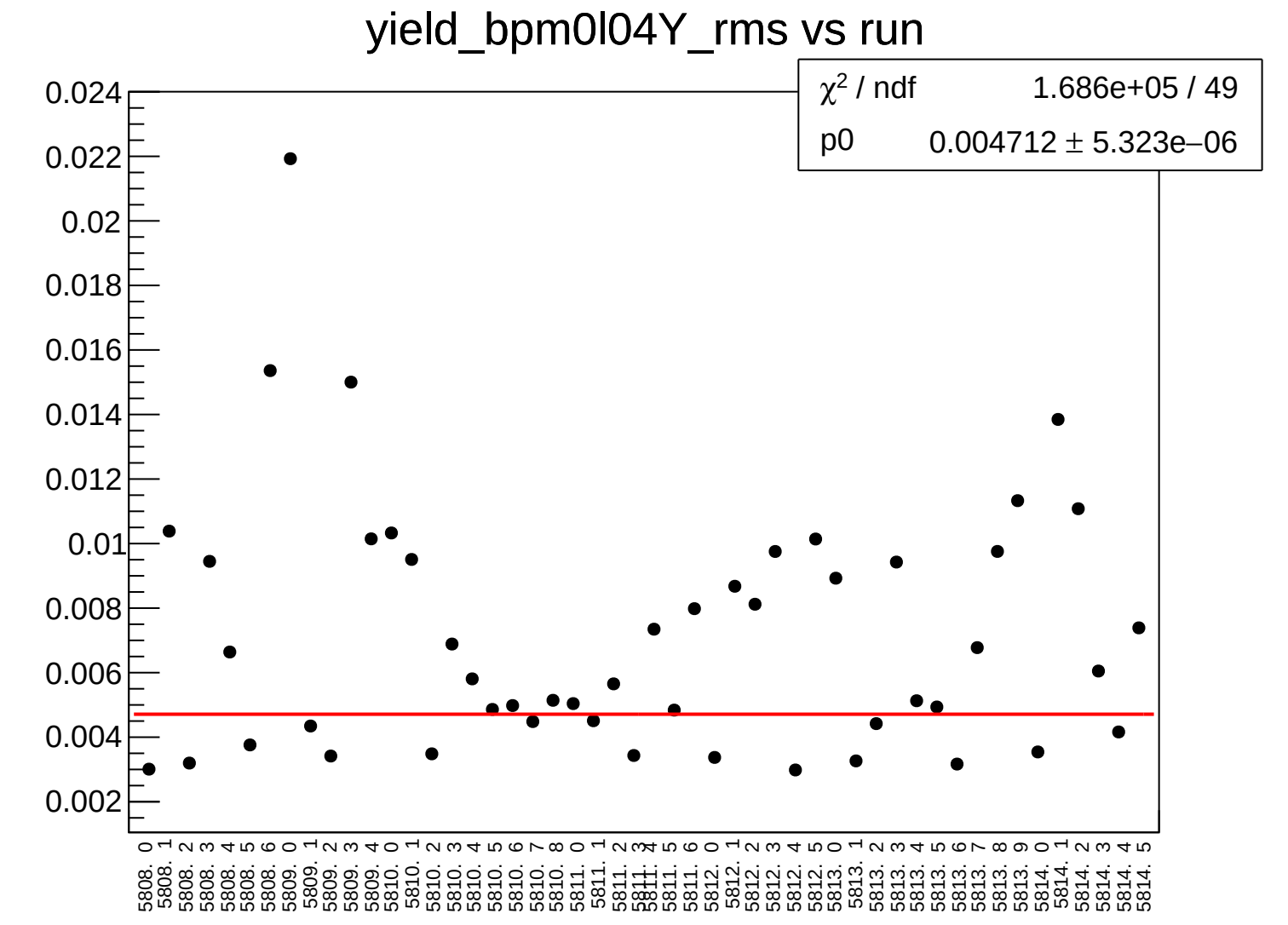

yield_bpm0l03Y_rms vs run
χ² / ndf 3.32e+04 / 49
p0 0.1006 ± 0.000105
0.16
0.14
0.12
0.1
0.08
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

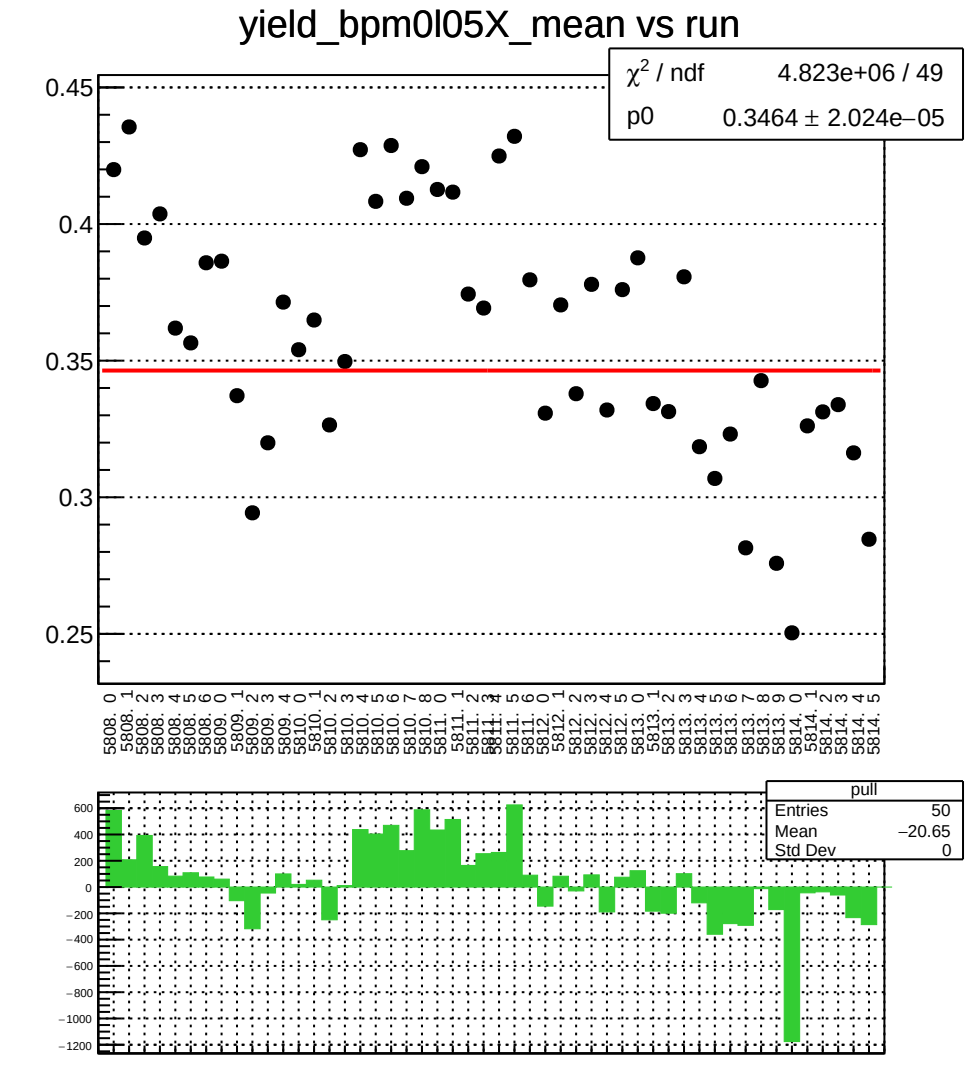

yield_bpm0l04X_mean vs run
χ² / ndf 4.382e+06 / 49
p0 −0.5744 ± 4.37e−05
−0.4
−0.45
−0.5
−0.55
−0.6
−0.65
−0.7
−0.75
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 19.63
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
pull1D
Entries 50
Mean −1.295
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

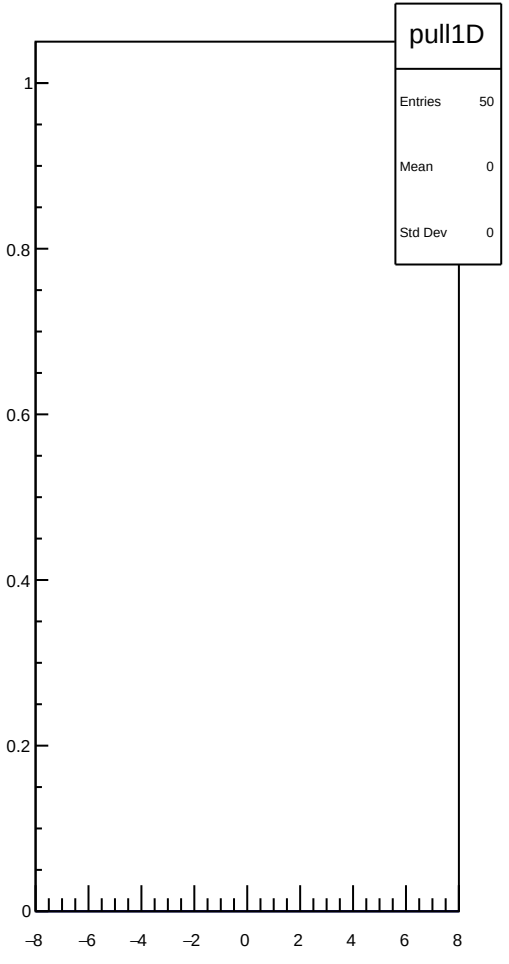

yield_bpm0l04X_rms vs run
χ² / ndf 3.055e+05 / 49
p0 0.02485 ± 3.09e−05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

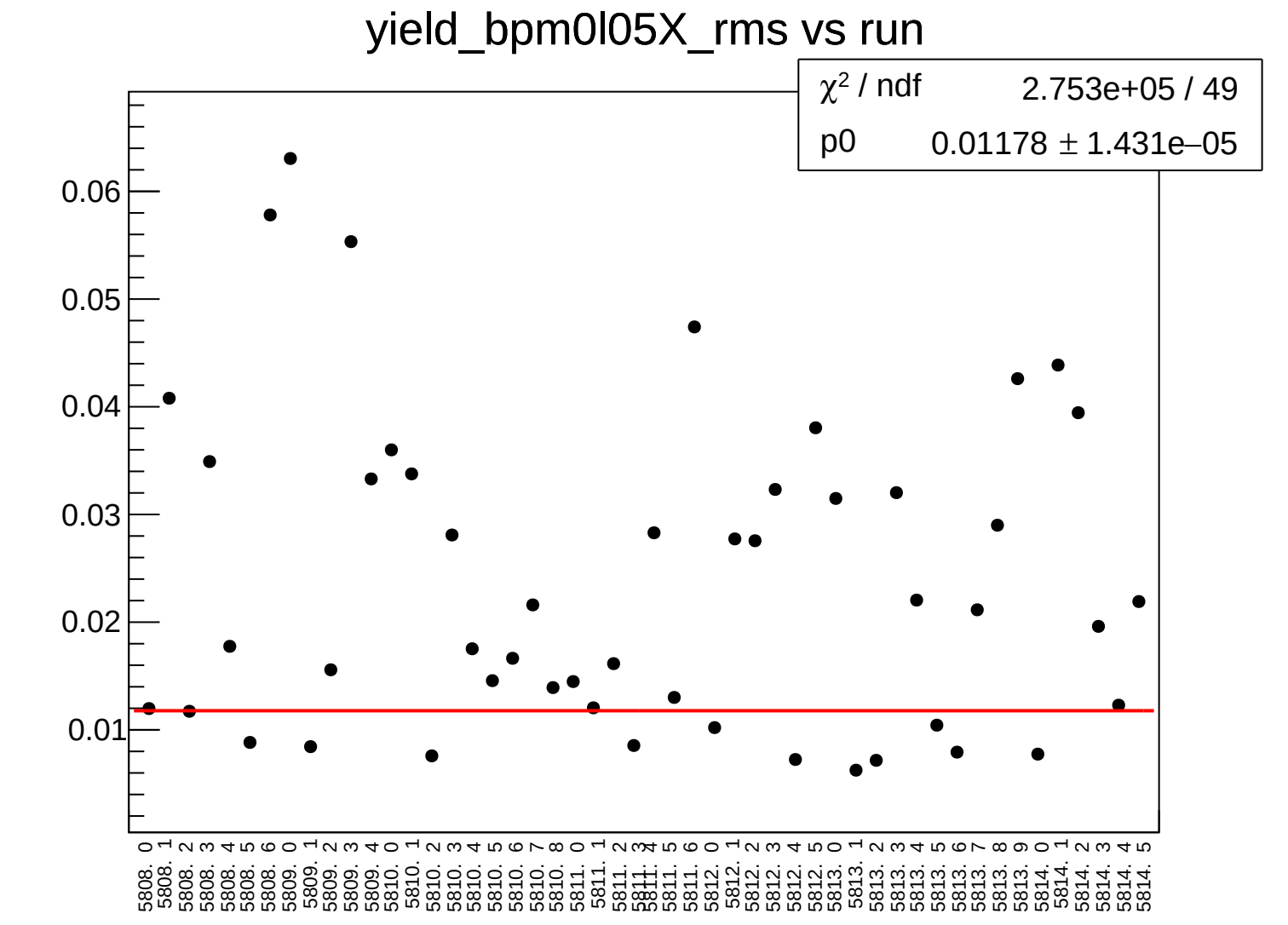

yield_bpm0l04Y_mean vs run
χ² / ndf 4.566e+06 / 49
p0 0.8156 ± 7.528e−06
0.85
0.84
0.83
0.82
0.81
0.8
0.79
0.78
pull
Entries 50
Mean 122.7
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600

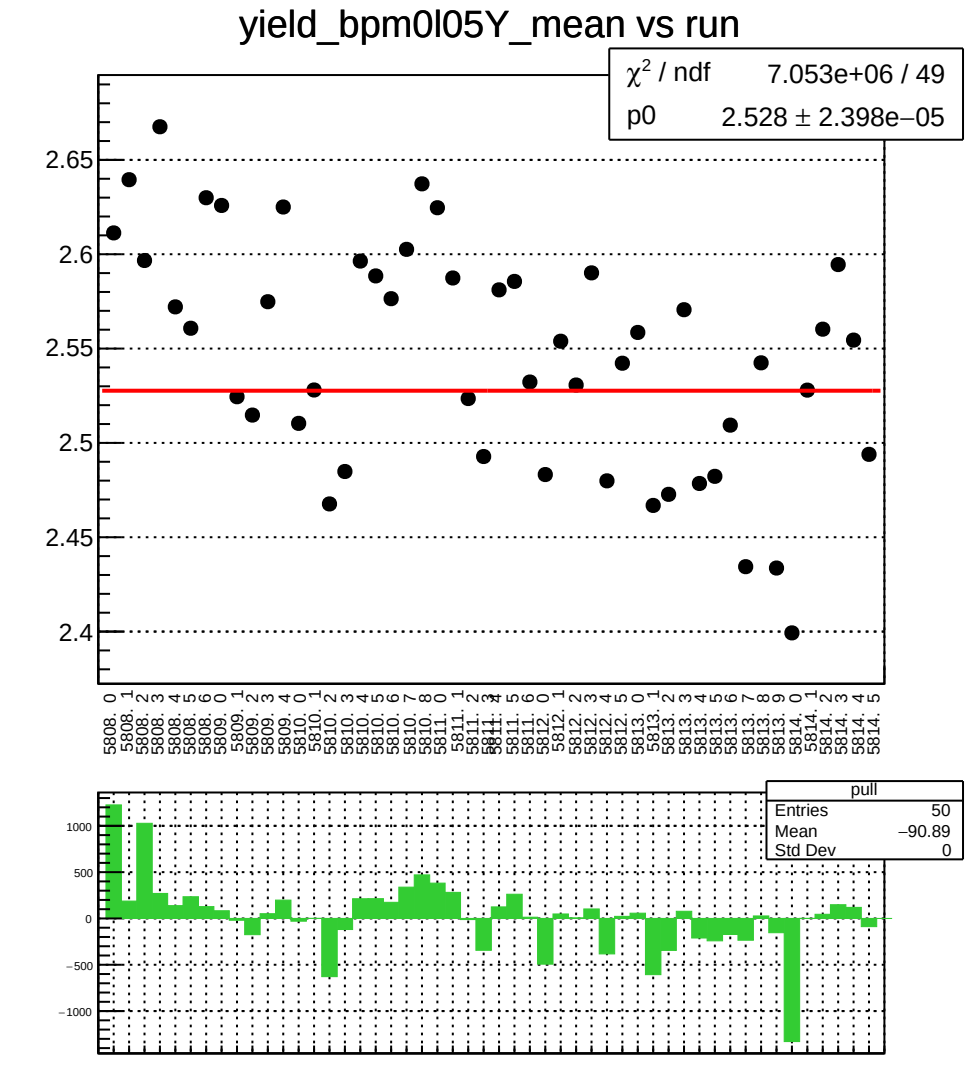

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

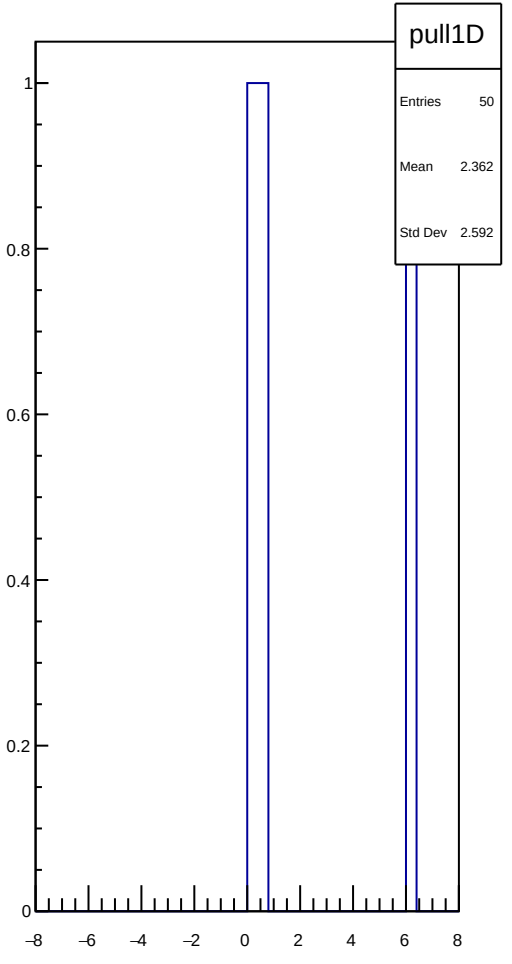

yield_bpm0l04Y_rms vs run
χ² / ndf 1.686e+05 / 49
p0 0.004712 ± 5.323e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

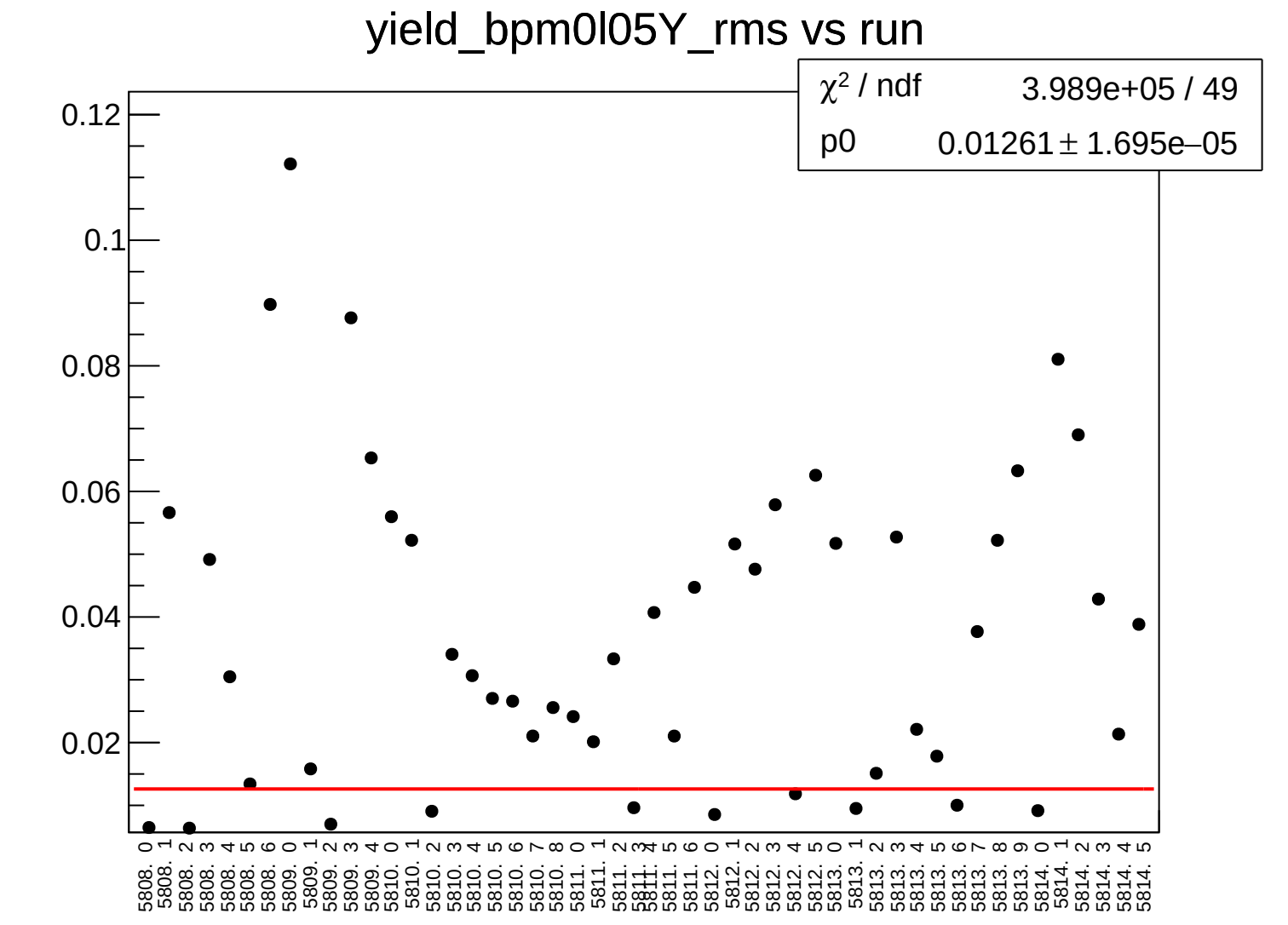

yield_bpm0l05X_mean vs run
χ² / ndf 4.823e+06 / 49
p0 0.3464 ± 2.024e−05
0.45
0.4
0.35
0.3
0.25
pull
Entries 50
Mean −20.65
Std Dev 0
600
400
200
0
−200
−400
−600
−800
−1000
−1200

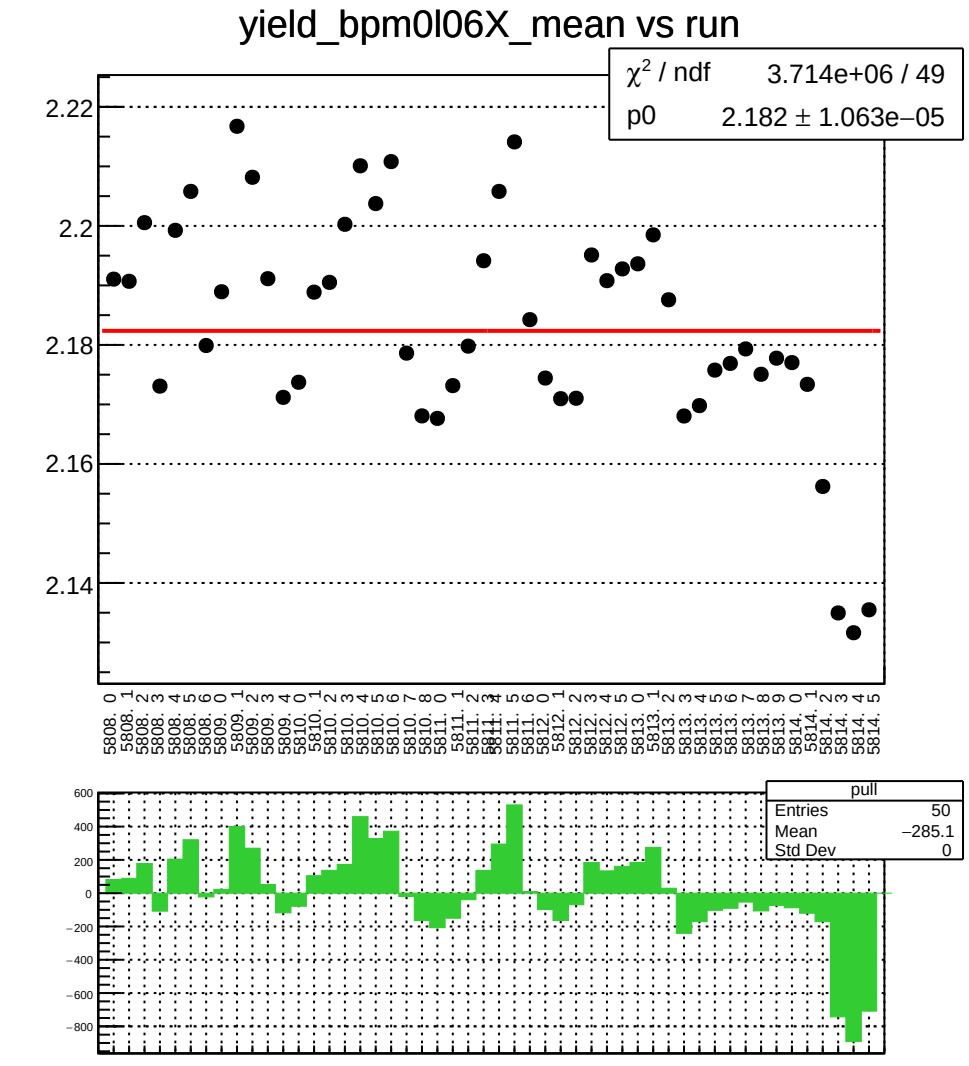

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

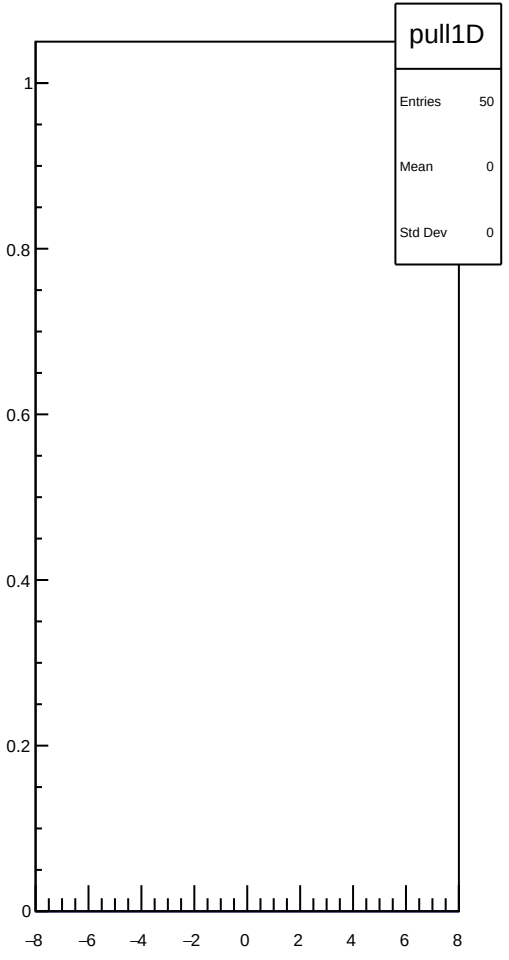

yield_bpm0l05X_rms vs run
χ² / ndf 2.753e+05 / 49
p0 0.01178 ± 1.431e–05
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

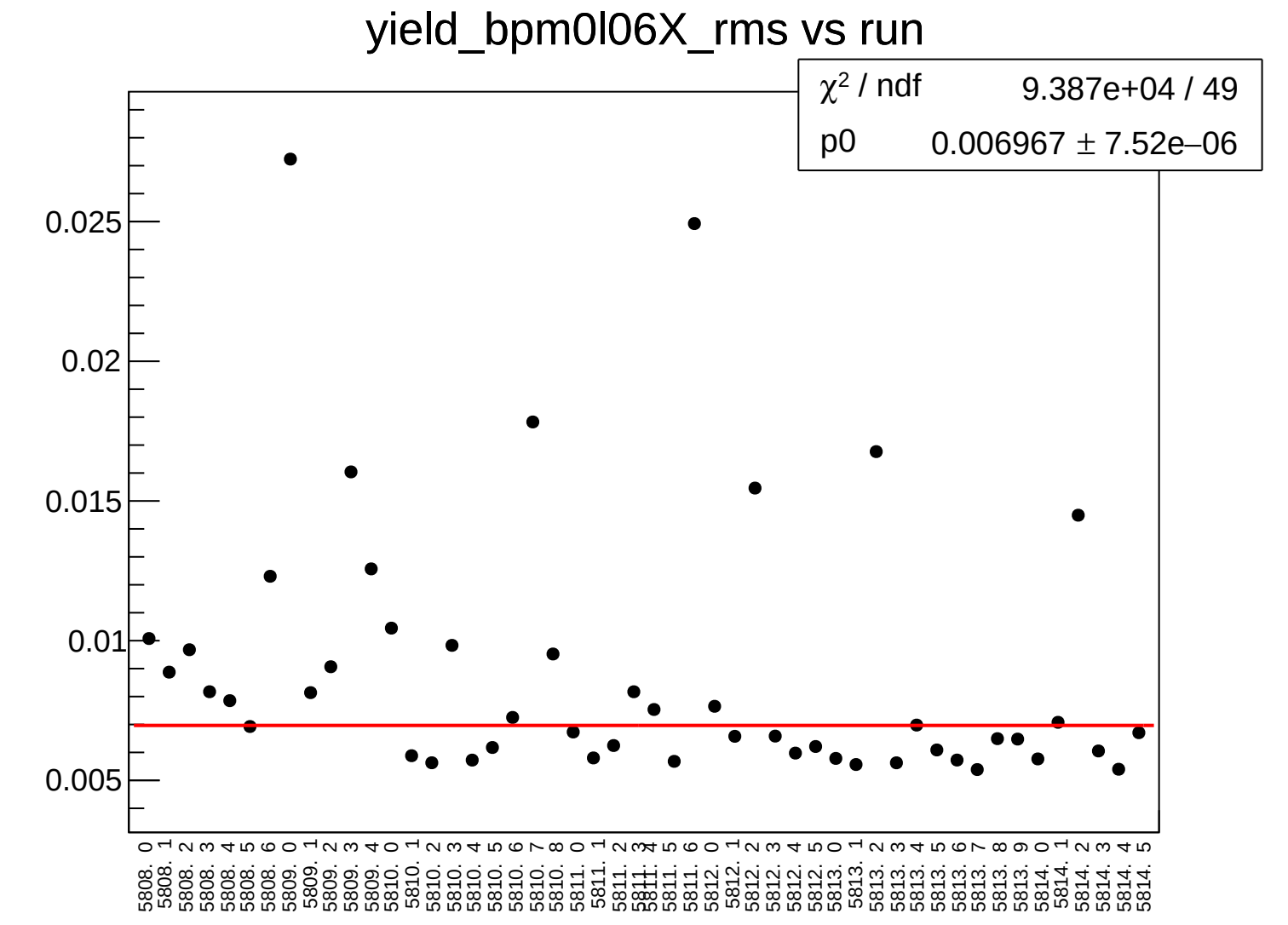

yield_bpm0l05Y_mean vs run
χ² / ndf 7.053e+06 / 49
p0 2.528 ± 2.398e−05
2.65
2.6
2.55
2.5
2.45
2.4
pull
Entries 50
Mean −90.89
Std Dev 0
1000
500
0
−500
−1000

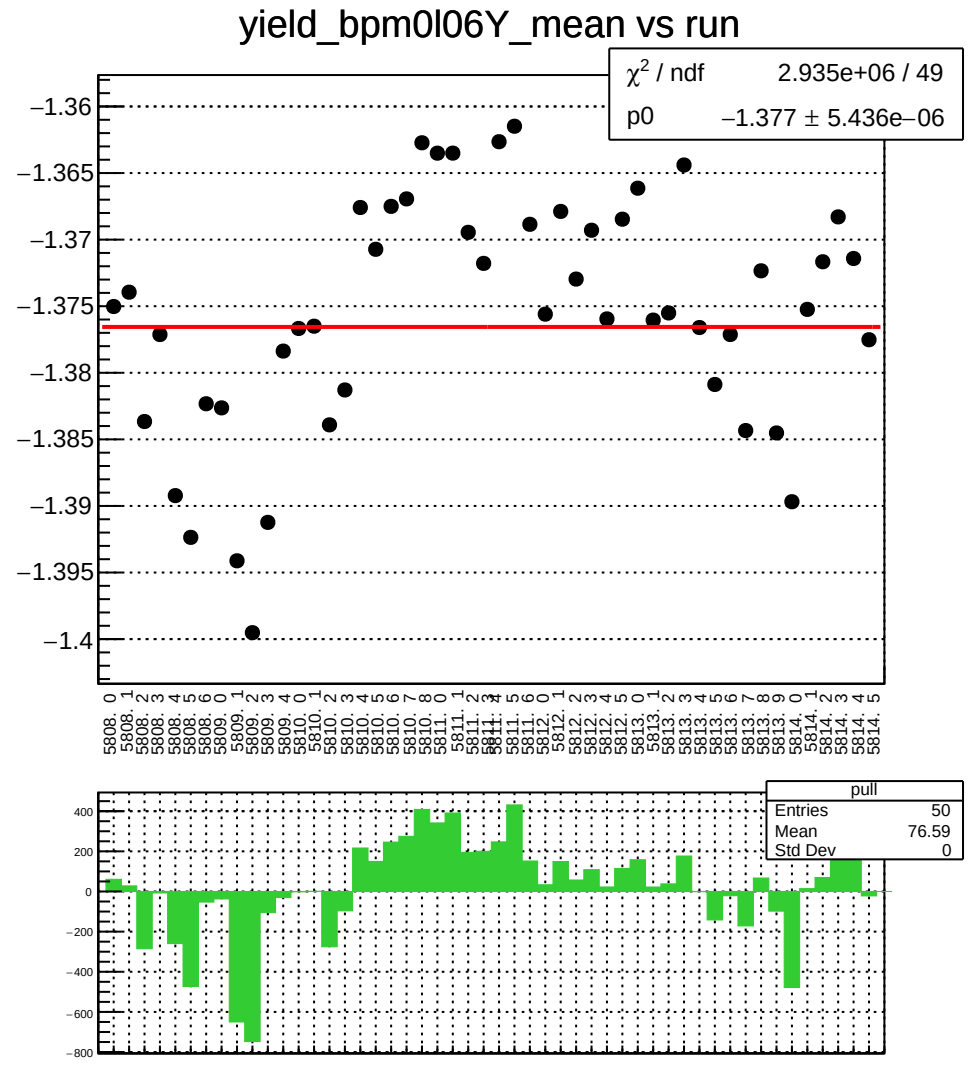

pull1D
Entries 50
Mean 2.362
Std Dev 2.592
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

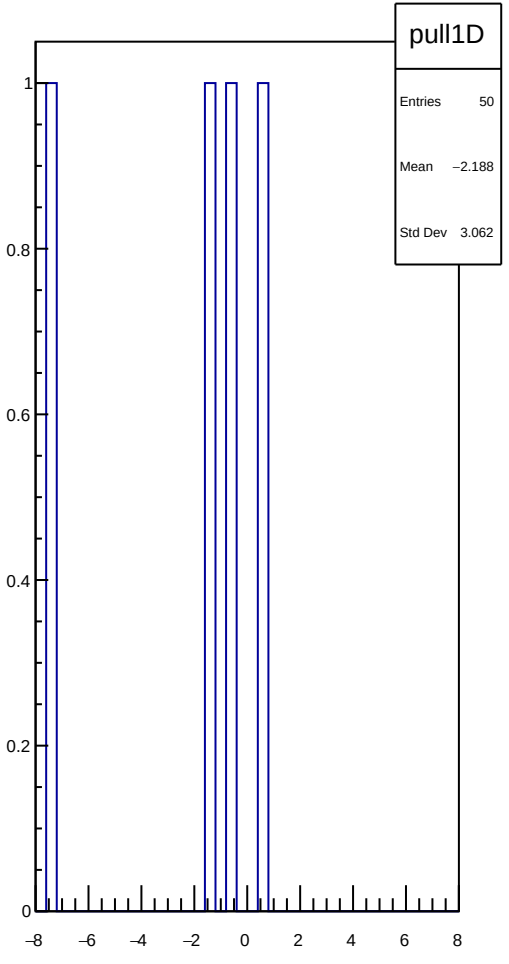

yield_bpm0l05Y_rms vs run
χ² / ndf 3.989e+05 / 49
p0 0.01261 ± 1.695e–05
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

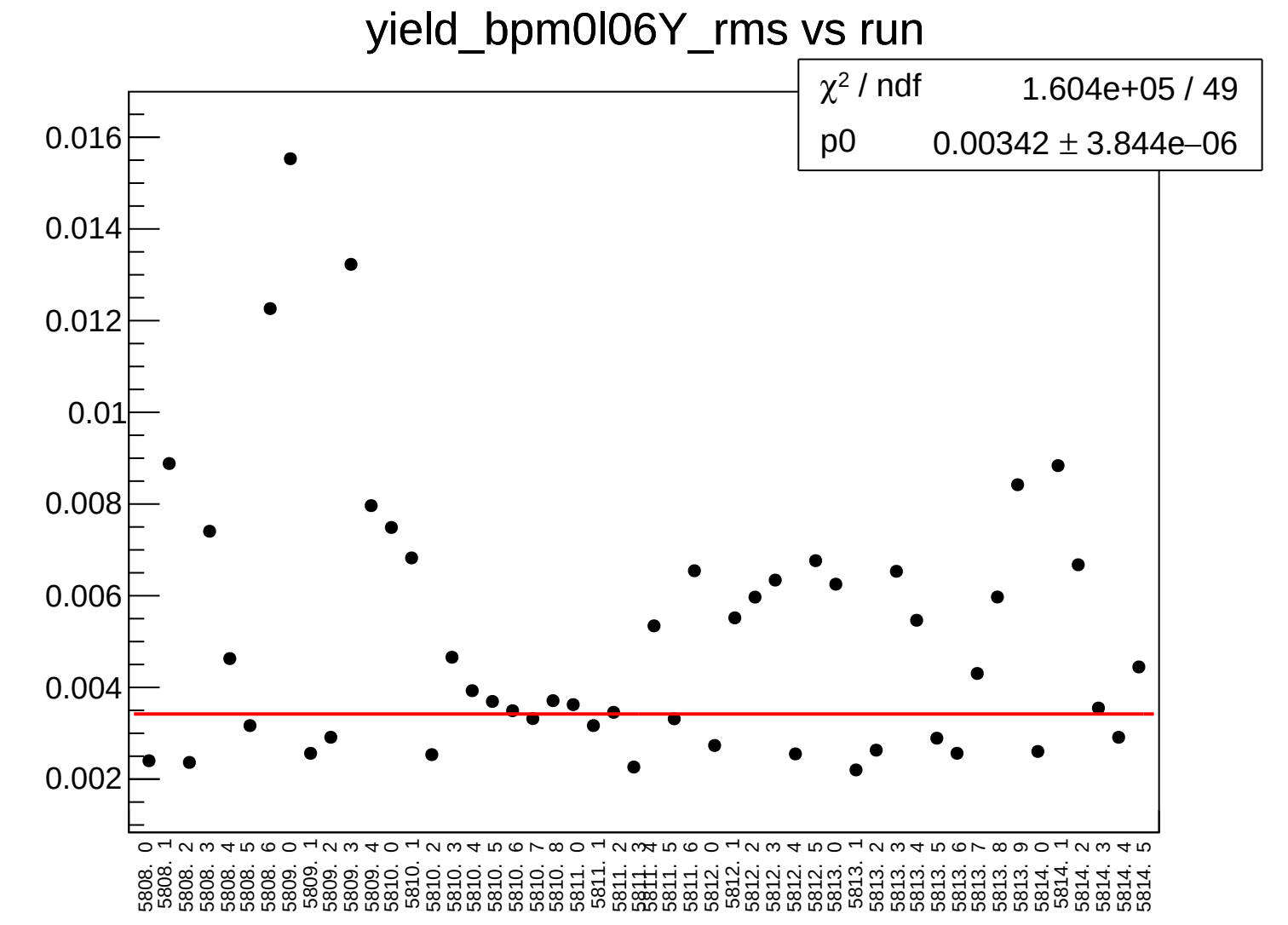

yield_bpm0l06X_mean vs run
χ² / ndf 3.714e+06 / 49
p0 2.182 ± 1.063e−05
2.22
2.2
2.18
2.16
2.14
pull
Entries 50
Mean −285.1
Std Dev 0
600
400
200
0
−200
−400
−600
−800

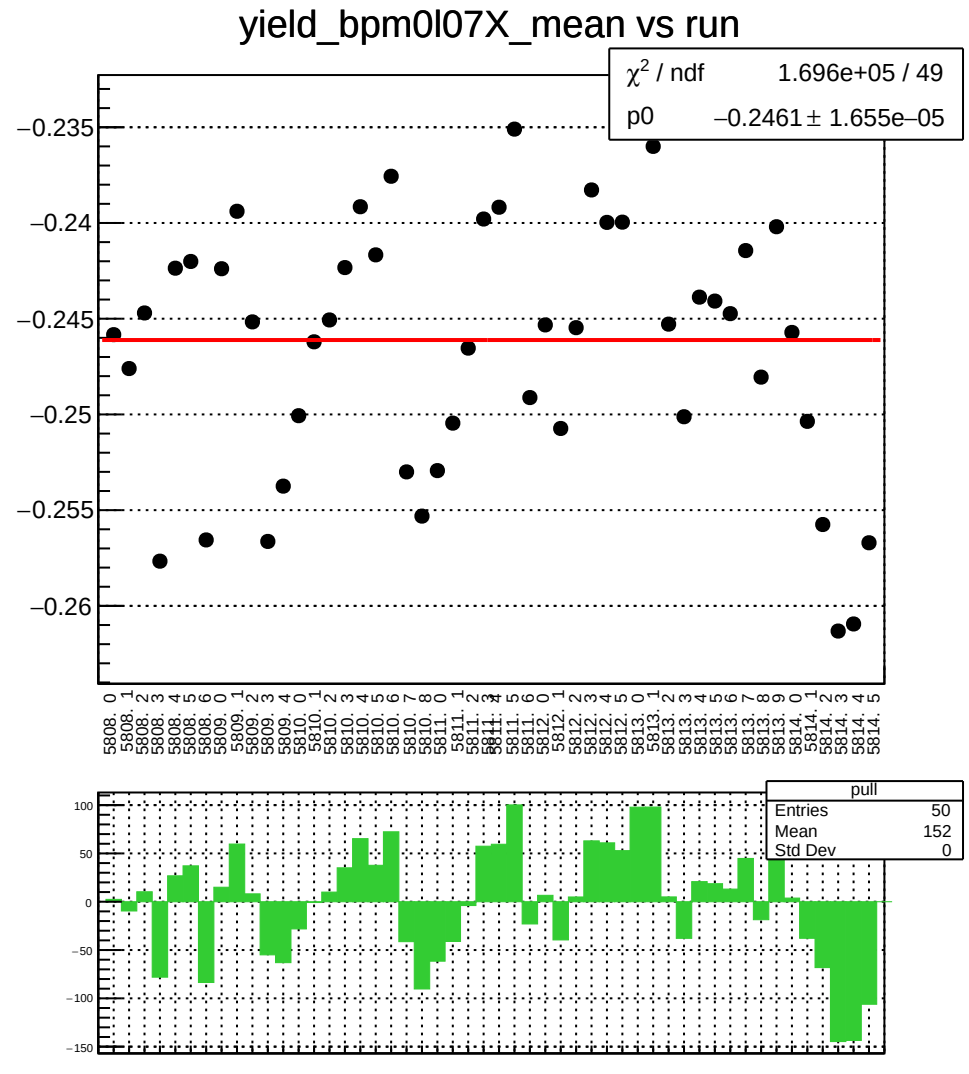

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

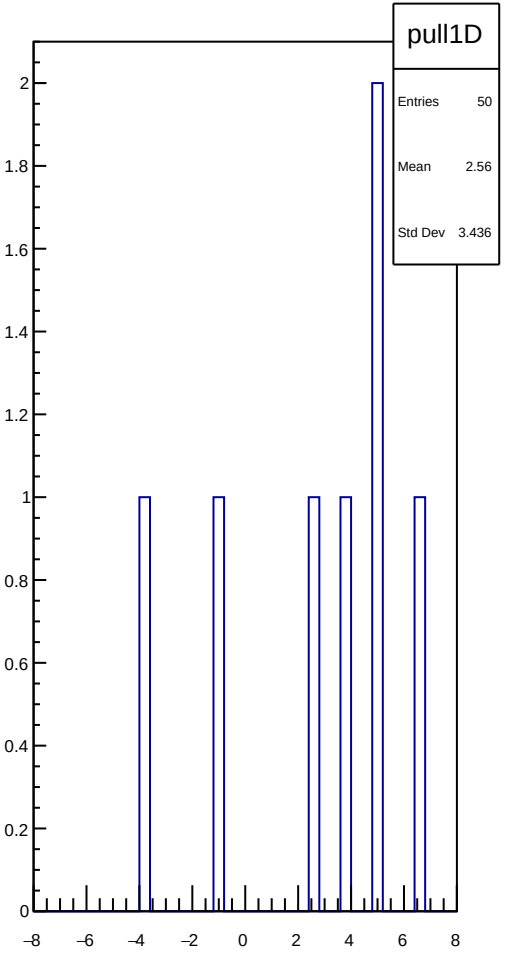

yield_bpm0l06X_rms vs run
χ² / ndf 9.387e+04 / 49
p0 0.006967 ± 7.52e–06
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

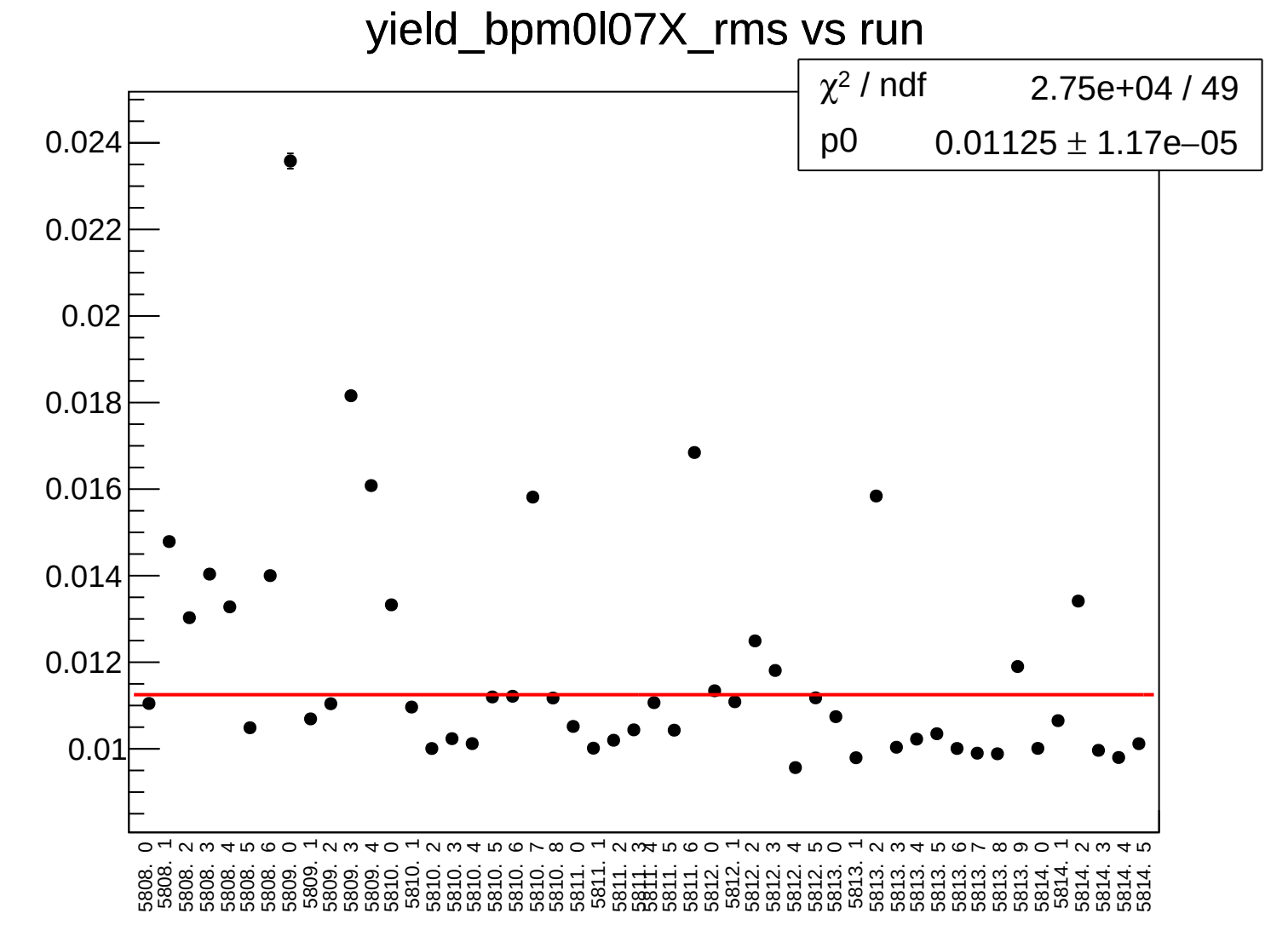

yield_bpm0l06Y_mean vs run
χ² / ndf 2.935e+06 / 49
p0 −1.377 ± 5.436e−06
−1.36
−1.365
−1.37
−1.375
−1.38
−1.385
−1.39
−1.395
−1.4
pull
Entries 50
Mean 76.59
Std Dev 0
400
200
0
−200
−400
−600
−800

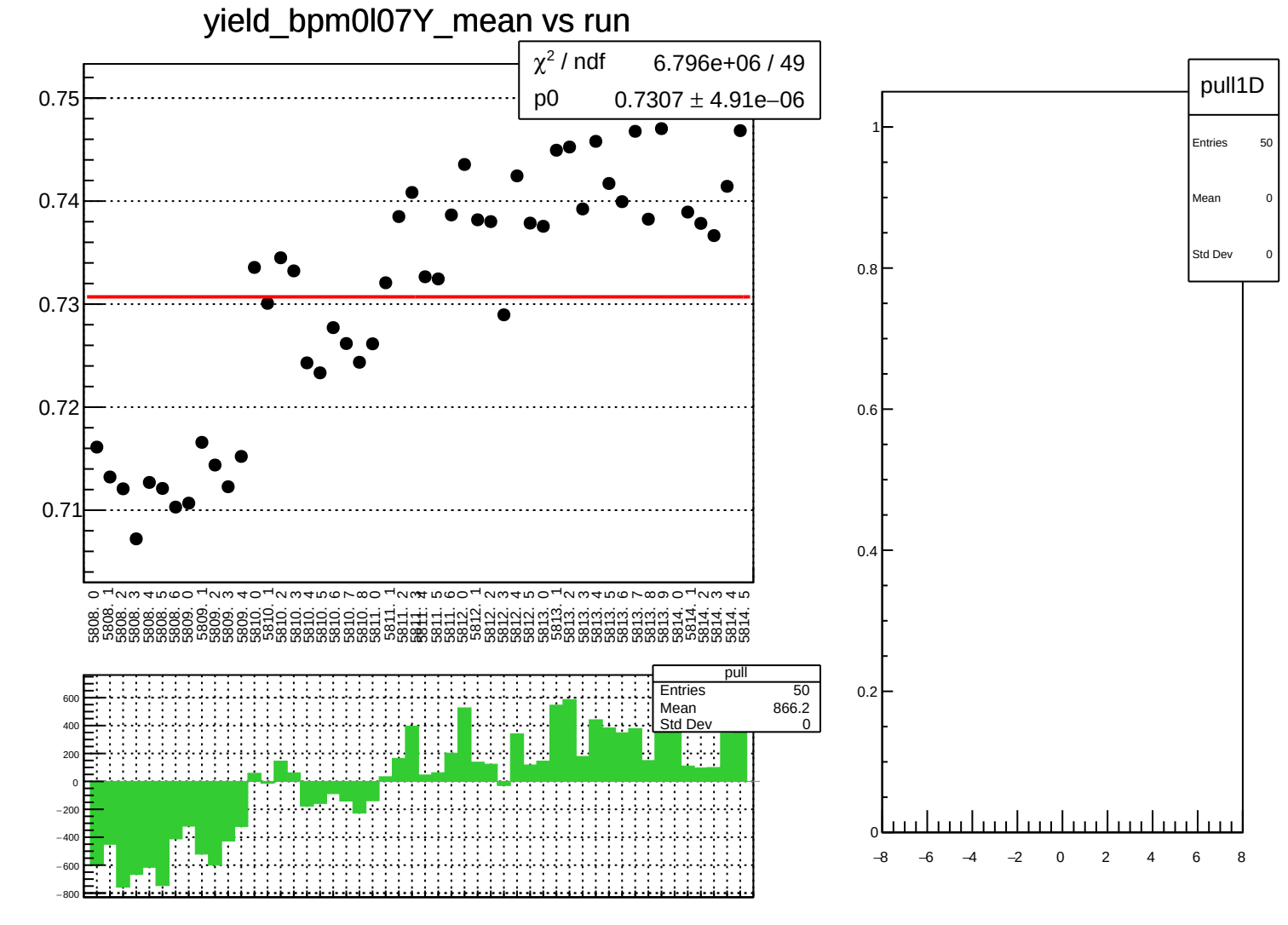

pull1D
Entries 50
Mean −2.188
Std Dev 3.062
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

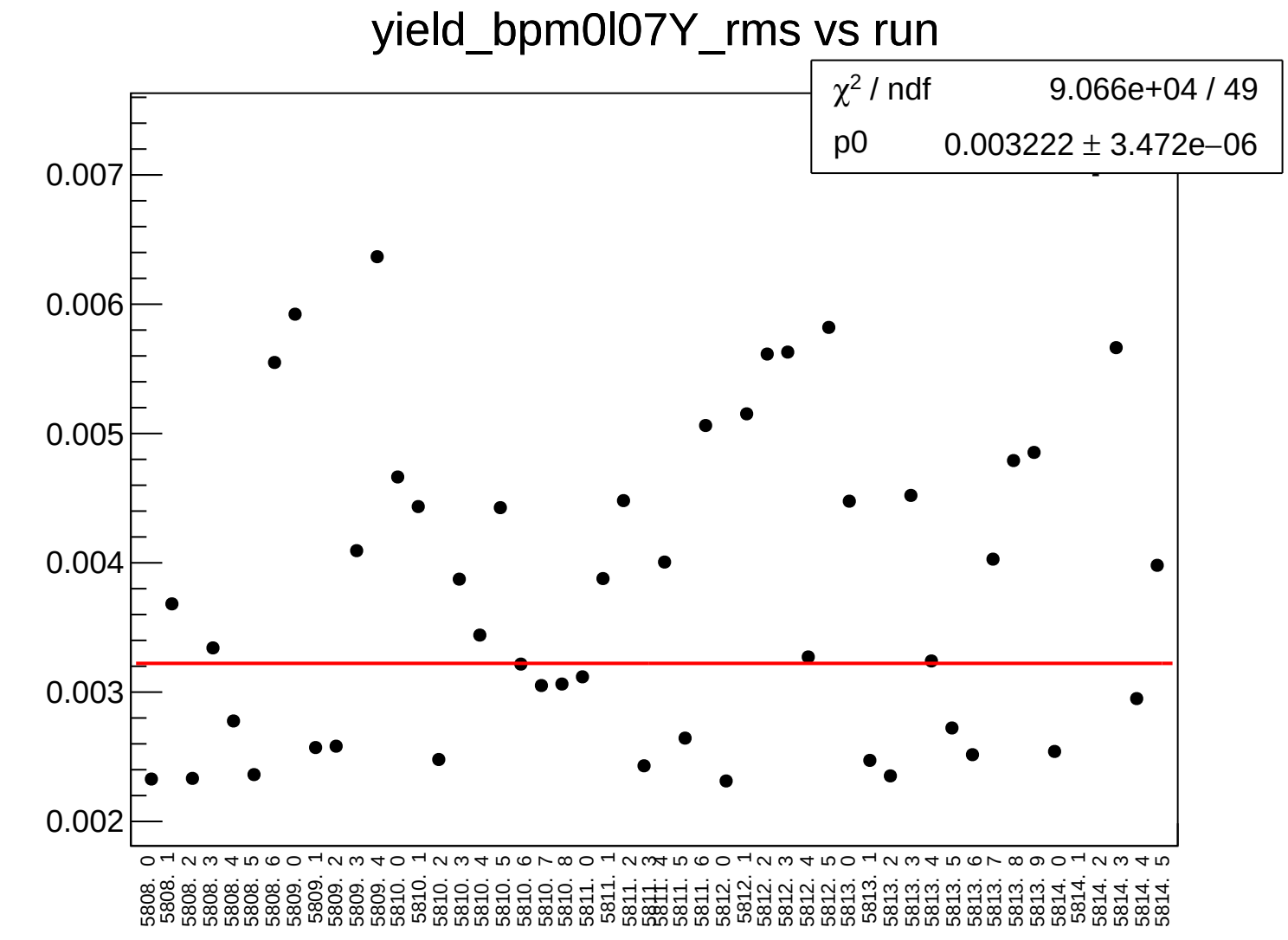

yield_bpm0l06Y_rms vs run
χ² / ndf 1.604e+05 / 49
p0 0.00342 ± 3.844e–06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

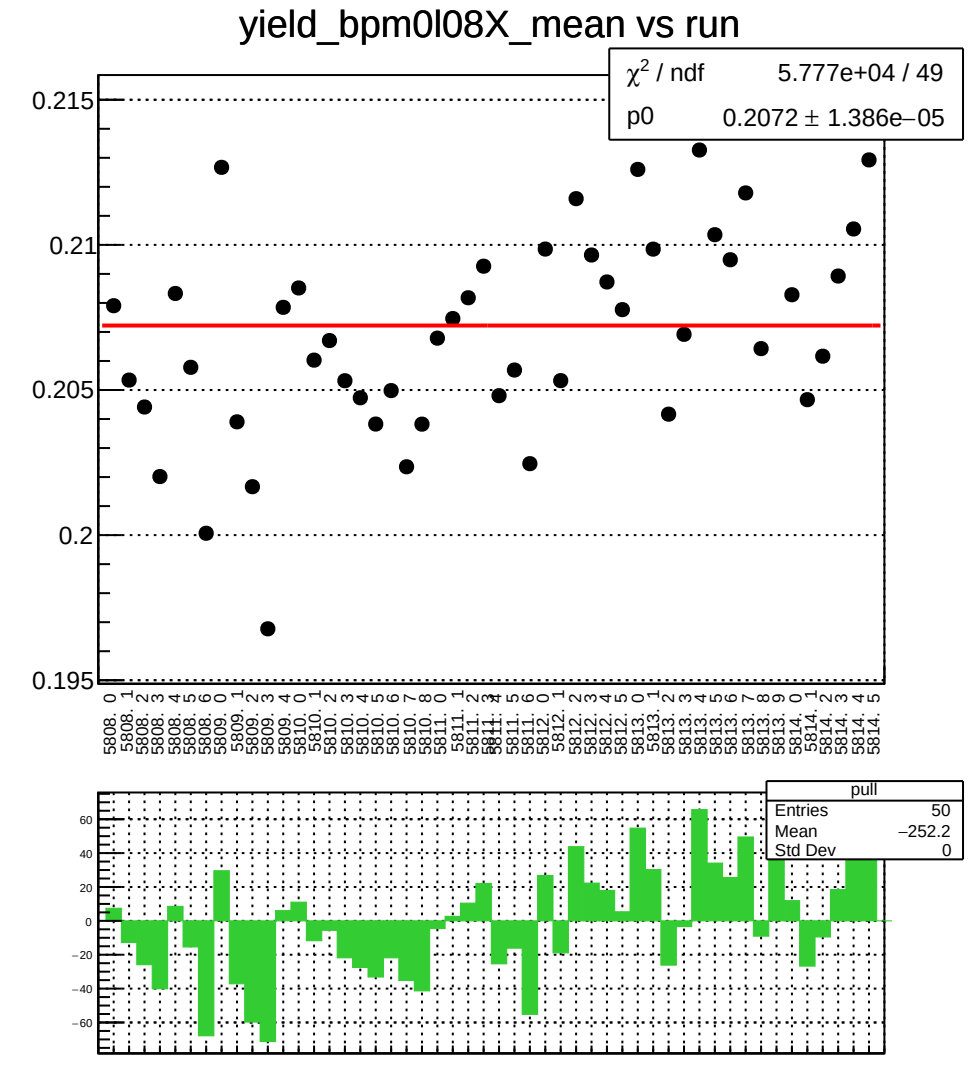

yield_bpm0l07X_mean vs run
χ² / ndf 1.696e+05 / 49
p0 −0.2461 ± 1.655e−05
−0.235
−0.24
−0.245
−0.25
−0.255
−0.26
pull
Entries 50
Mean 152
Std Dev 0
100
50
0
−50
−100
−150

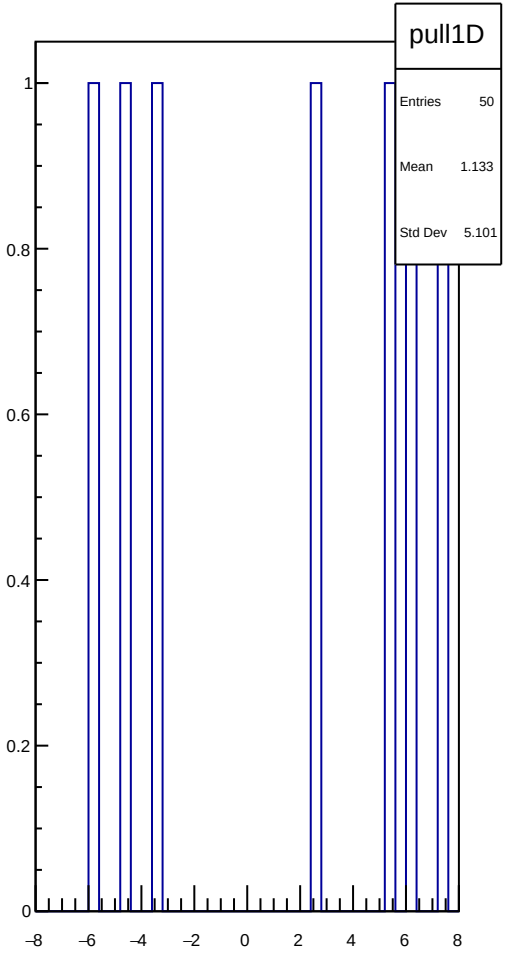

pull1D
Entries 50
Mean 2.56
Std Dev 3.436
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

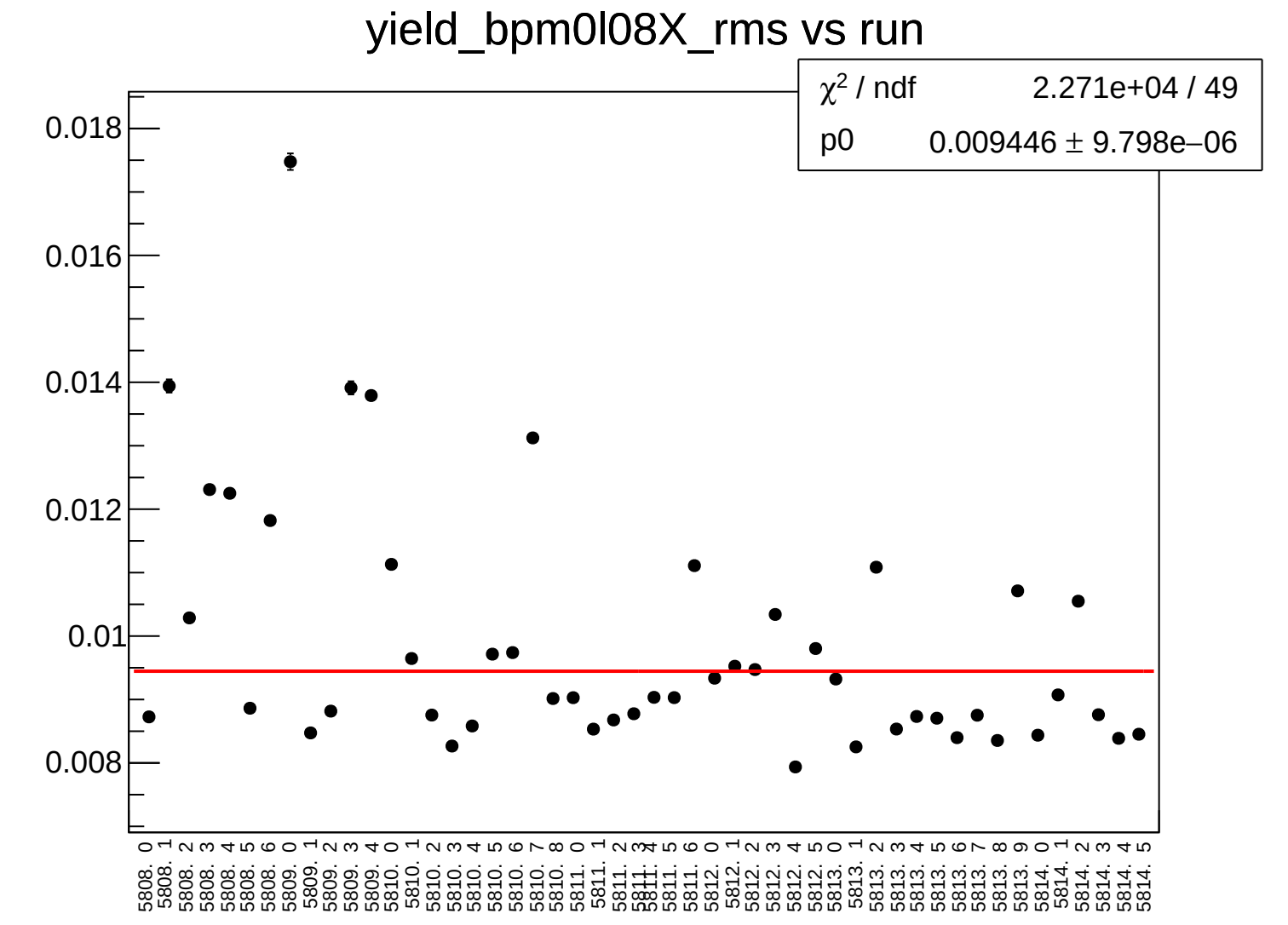

yield_bpm0l07X_rms vs run
χ² / ndf 2.75e+04 / 49
p0 0.01125 ± 1.17e−05
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

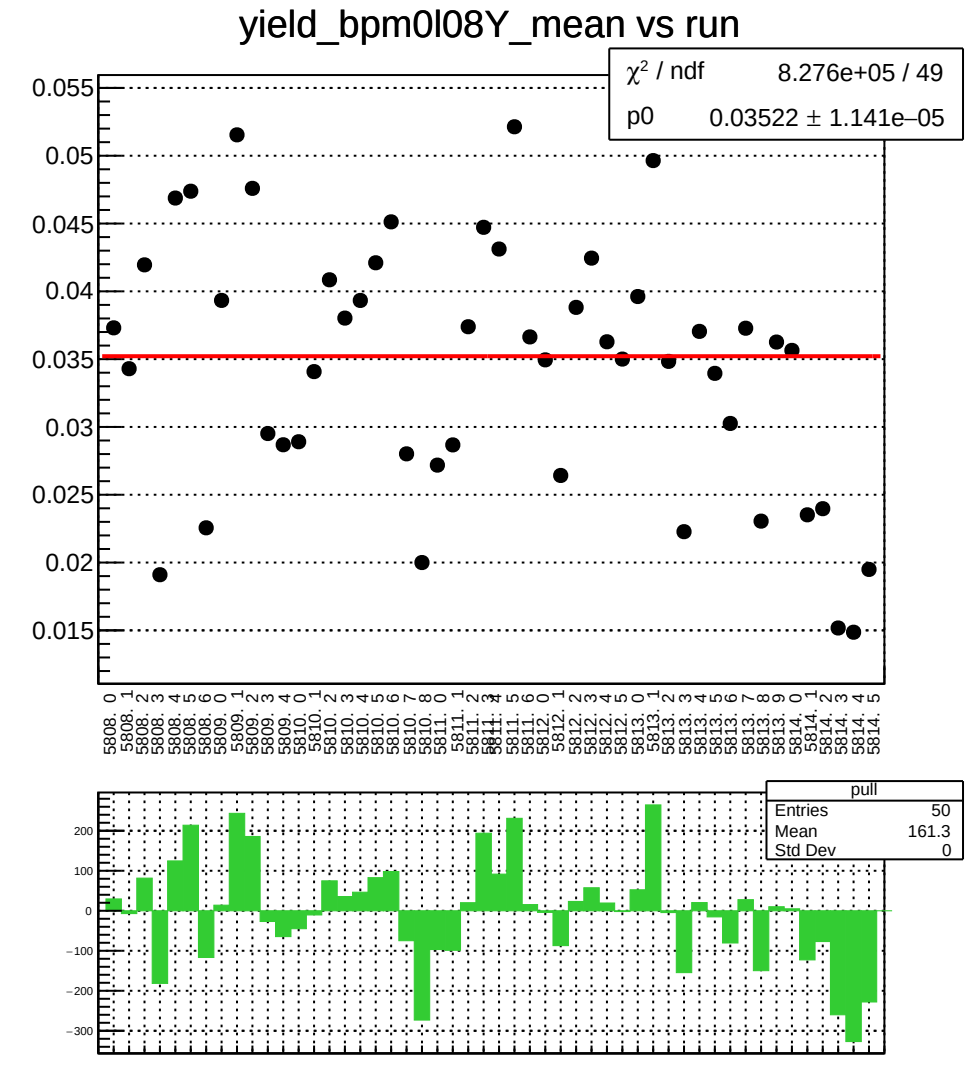

yield_bpm0l07Y_mean vs run
χ² / ndf 6.796e+06 / 49
p0 0.7307 ± 4.91e−06
0.75
0.74
0.73
0.72
0.71
pull
Entries 50
Mean 866.2
Std Dev 0
600
400
200
0
−200
−400
−600
−800
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

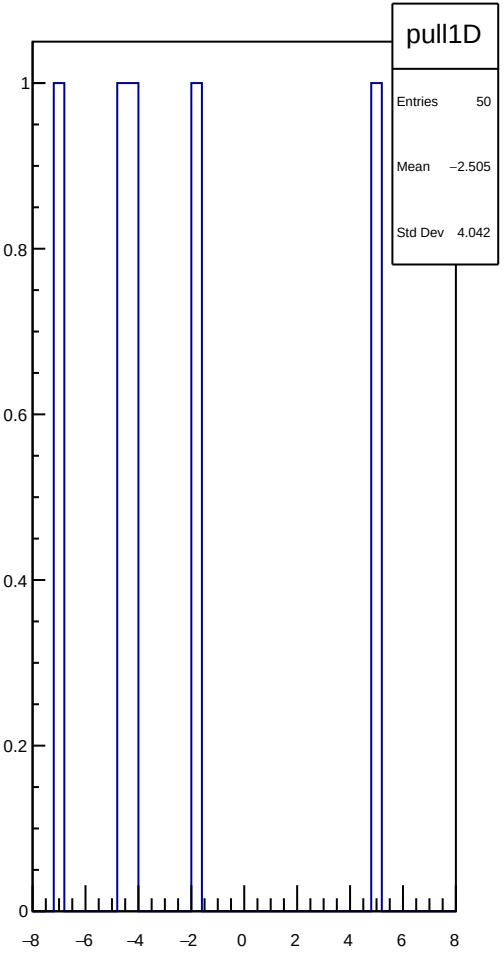

yield_bpm0l07Y_rms vs run
χ² / ndf 9.066e+04 / 49
p0 0.003222 ± 3.472e−06
0.007
0.006
0.005
0.004
0.003
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

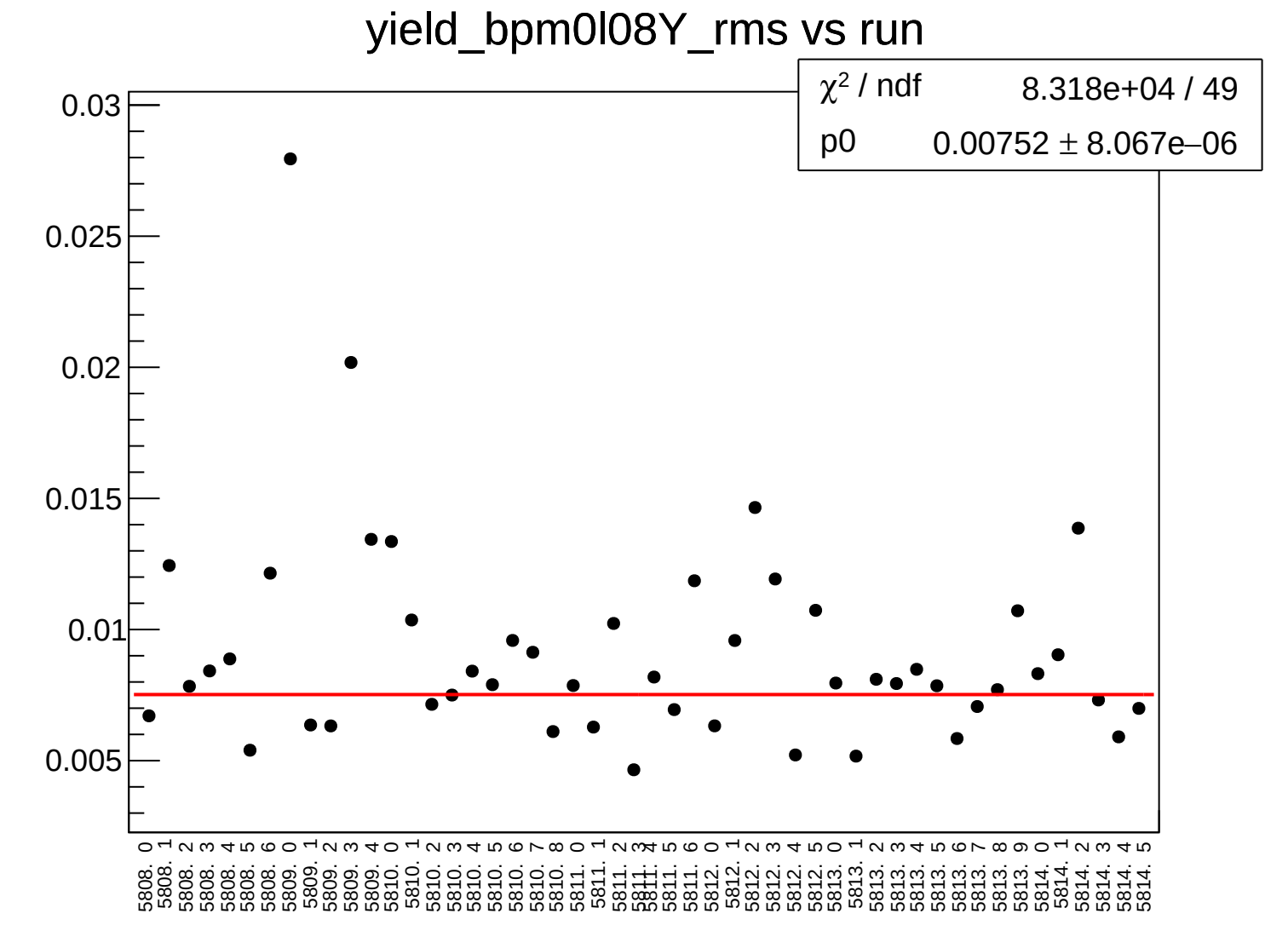

yield_bpm0l08X_mean vs run
χ² / ndf 5.777e+04 / 49
p0 0.2072 ± 1.386e−05
0.215
0.21
0.205
0.2
0.195
pull
Entries 50
Mean −252.2
Std Dev 0
60
40
20
0
−20
−40
−60

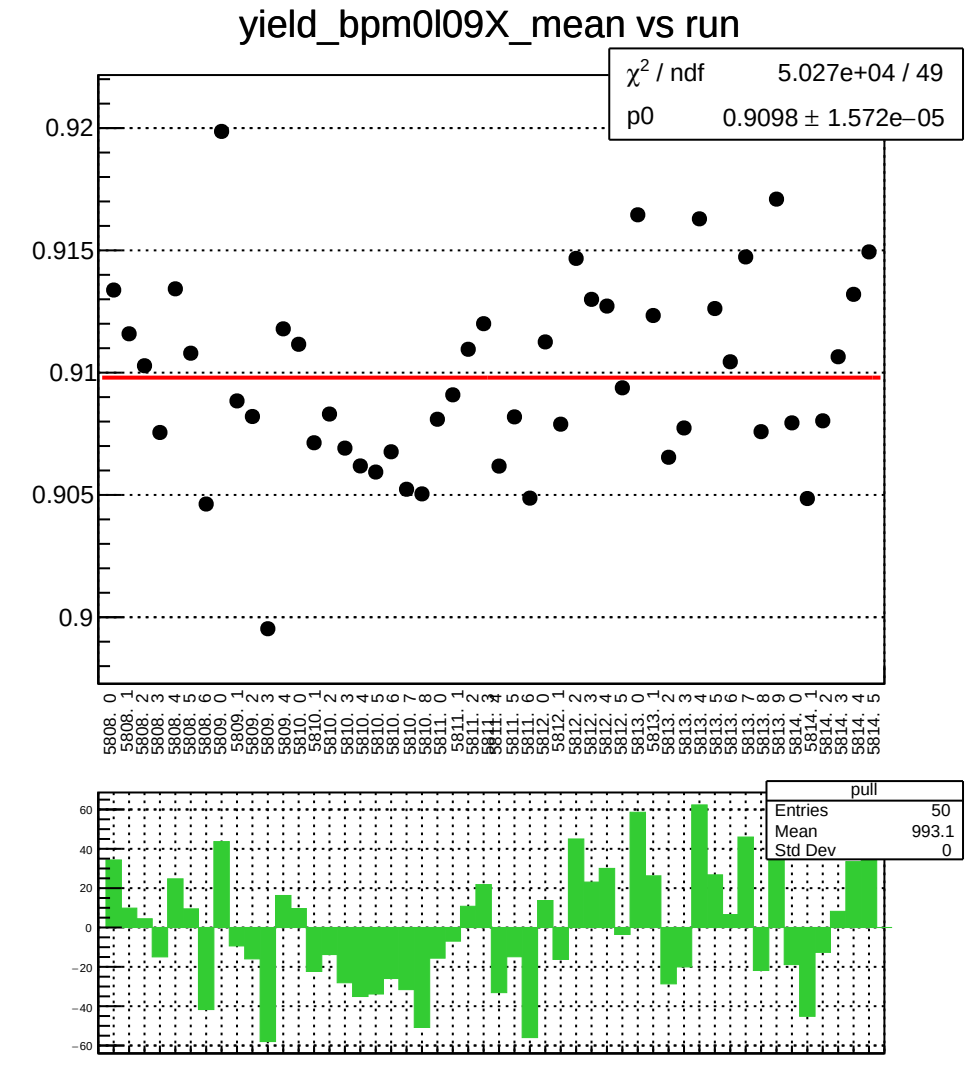

pull1D
Entries 50
Mean 1.133
Std Dev 5.101
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

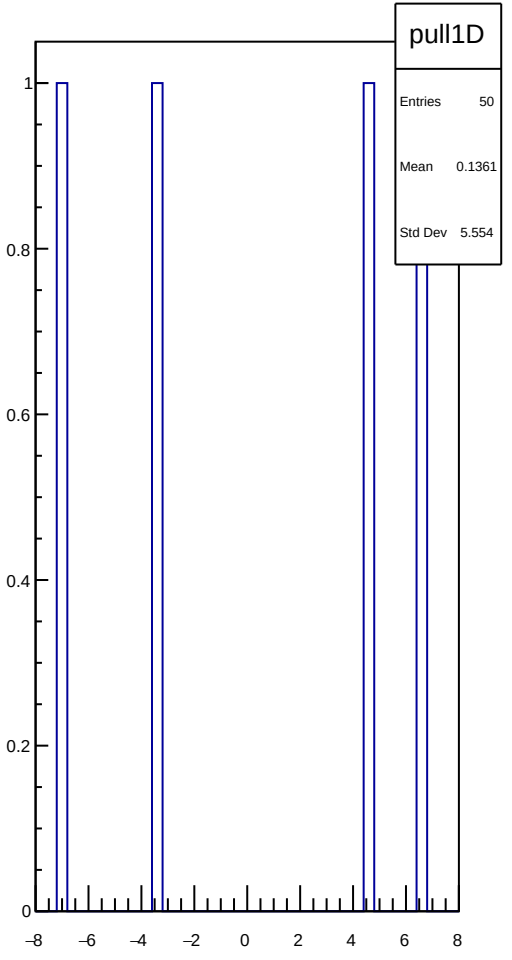

yield_bpm0l08X_rms vs run
χ² / ndf 2.271e+04 / 49
p0 0.009446 ± 9.798e−06
0.018
0.016
0.014
0.012
0.01
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

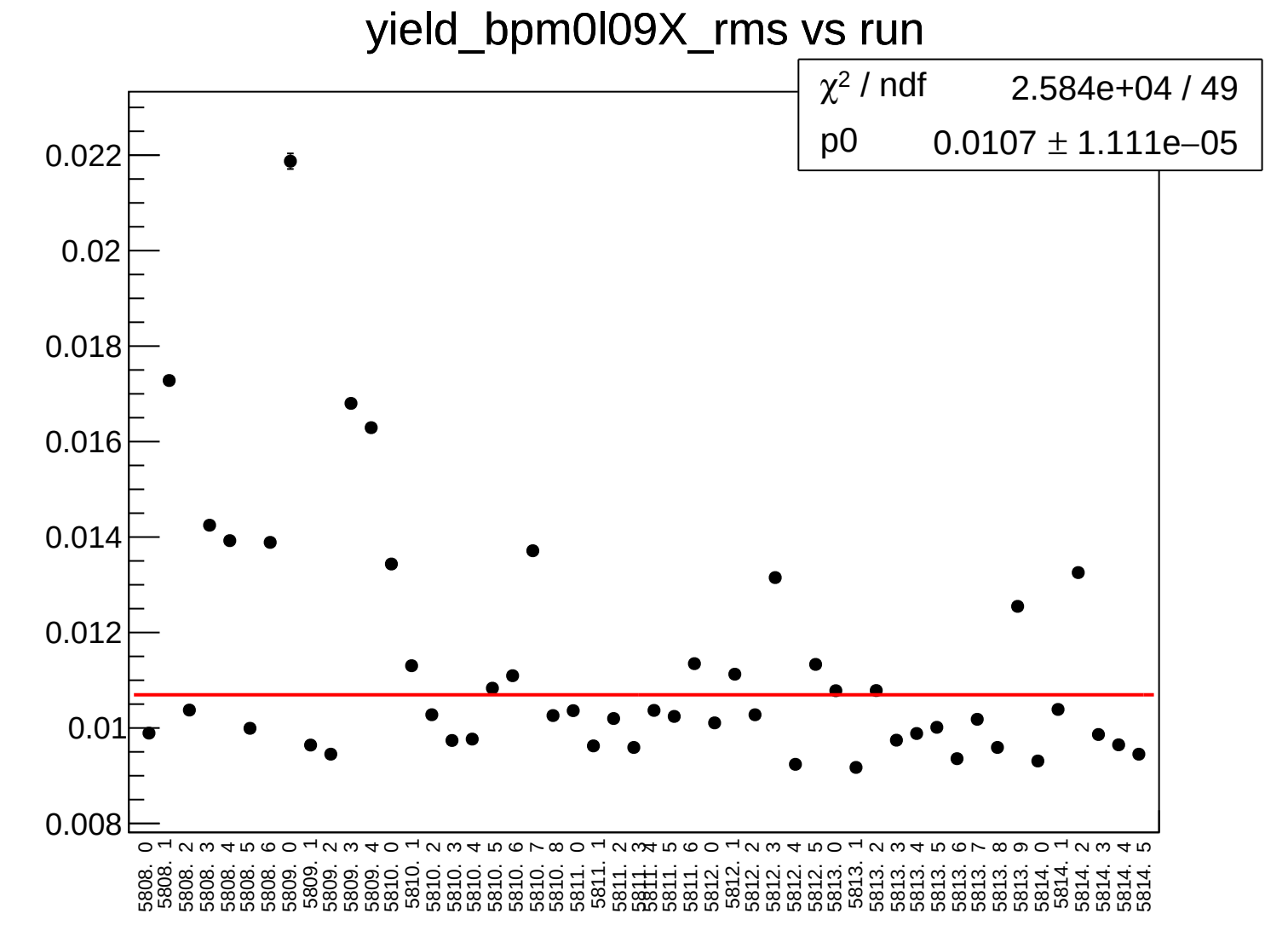

yield_bpm0l08Y_mean vs run
χ² / ndf 8.276e+05 / 49
p0 0.03522 ± 1.141e−05
0.055
0.05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
pull
Entries 50
Mean 161.3
Std Dev 0
200
100
0
−100
−200
−300

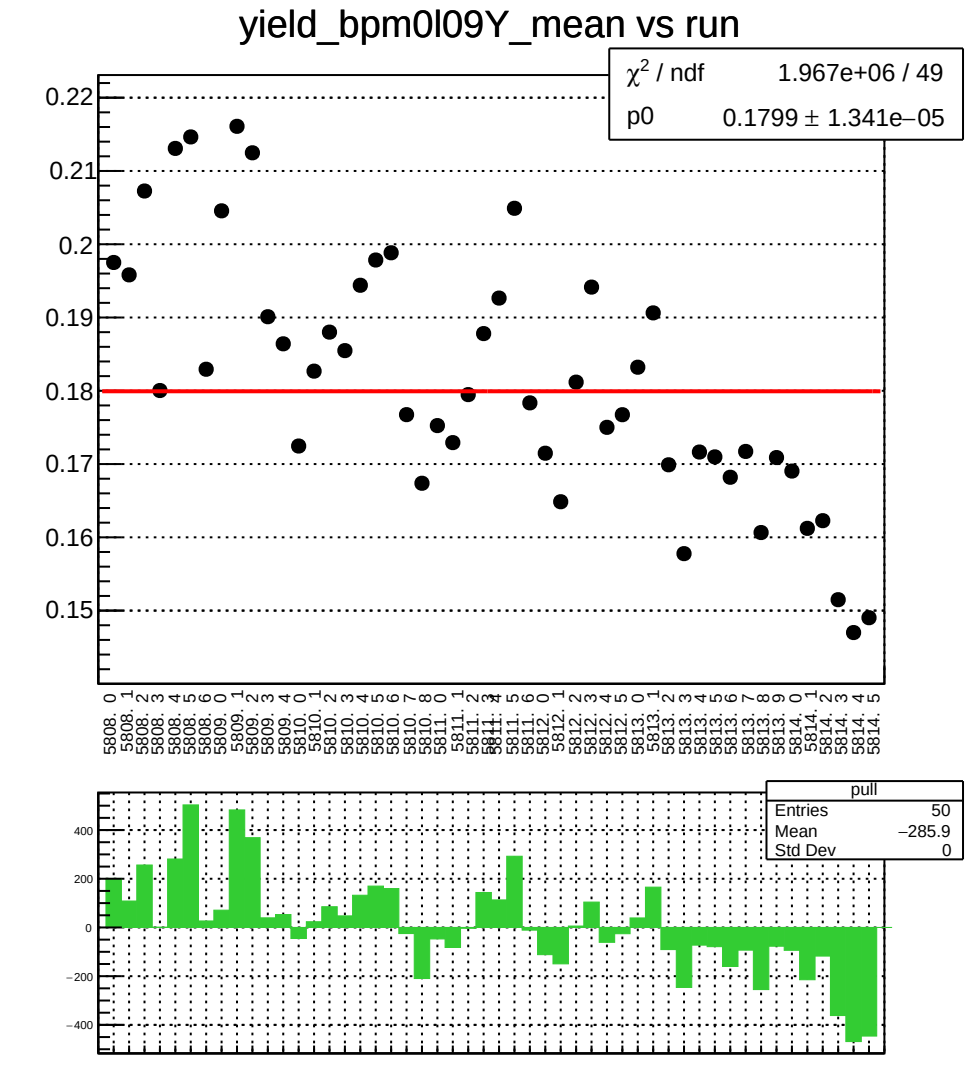

pull1D
Entries 50
Mean −2.505
Std Dev 4.042
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

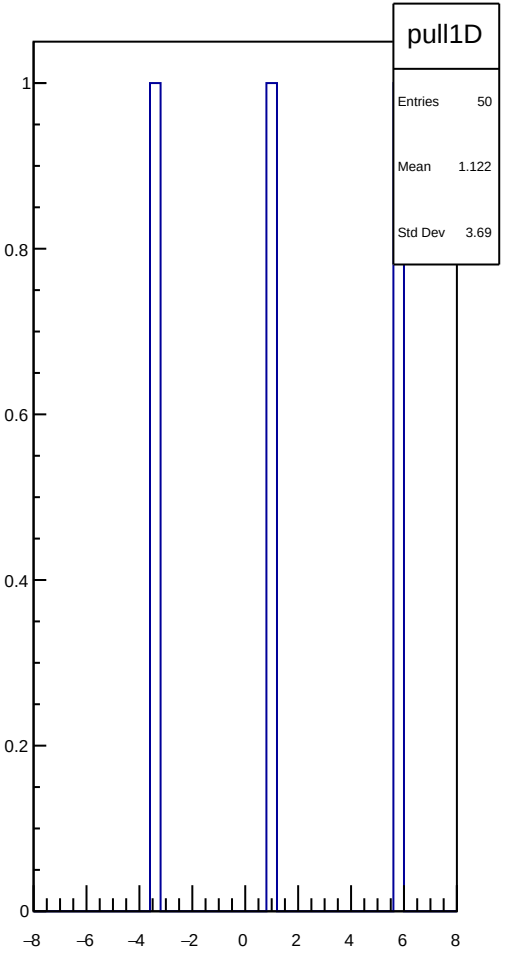

yield_bpm0l08Y_rms vs run
χ² / ndf 8.318e+04 / 49
p0 0.00752 ± 8.067e–06
0.03
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

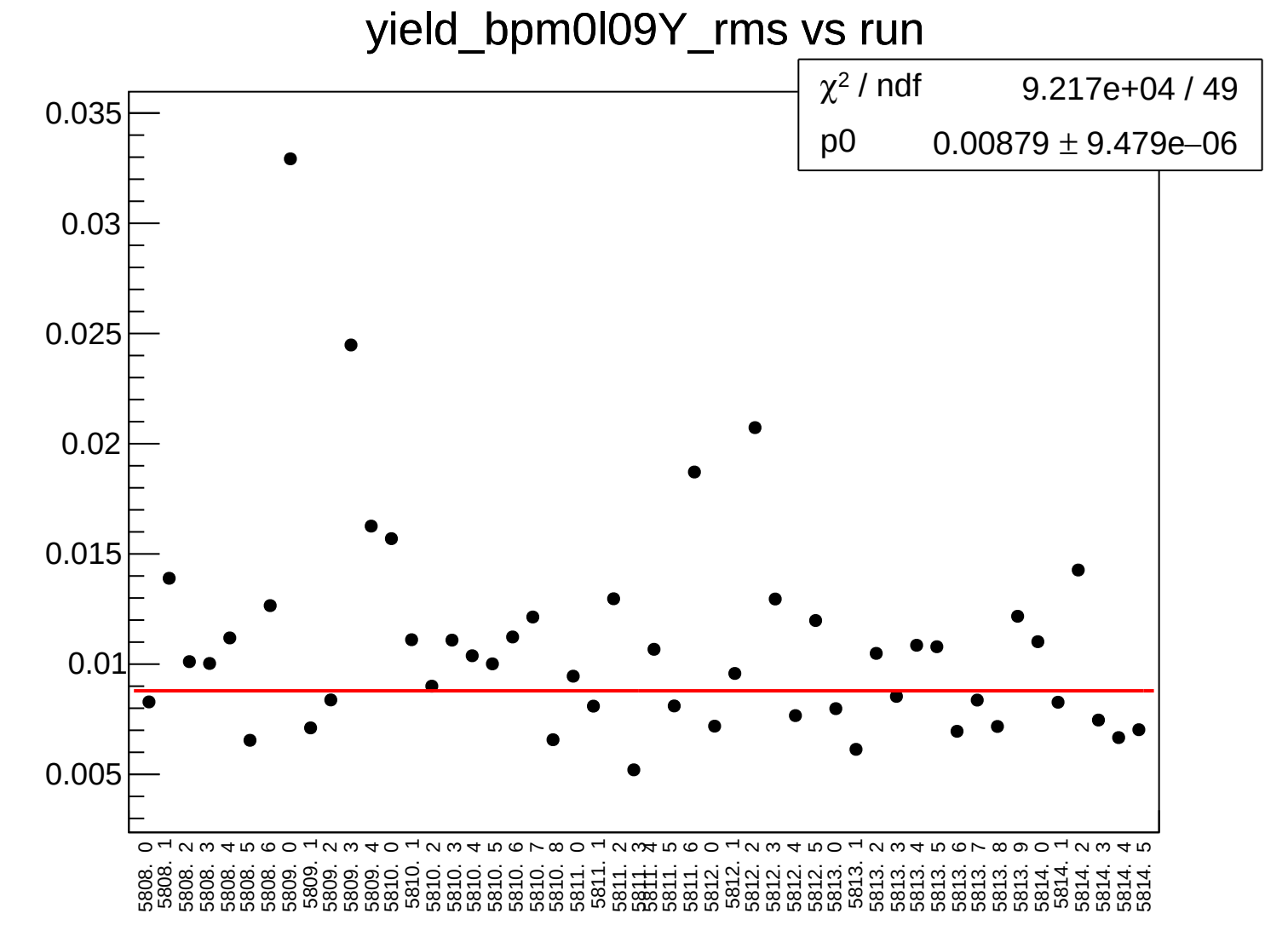

yield_bpm0l09X_mean vs run
χ² / ndf 5.027e+04 / 49
p0 0.9098 ± 1.572e−05
0.92
0.915
0.91
0.905
0.9
pull
Entries 50
Mean 993.1
Std Dev 0
60
40
20
0
−20
−40
−60

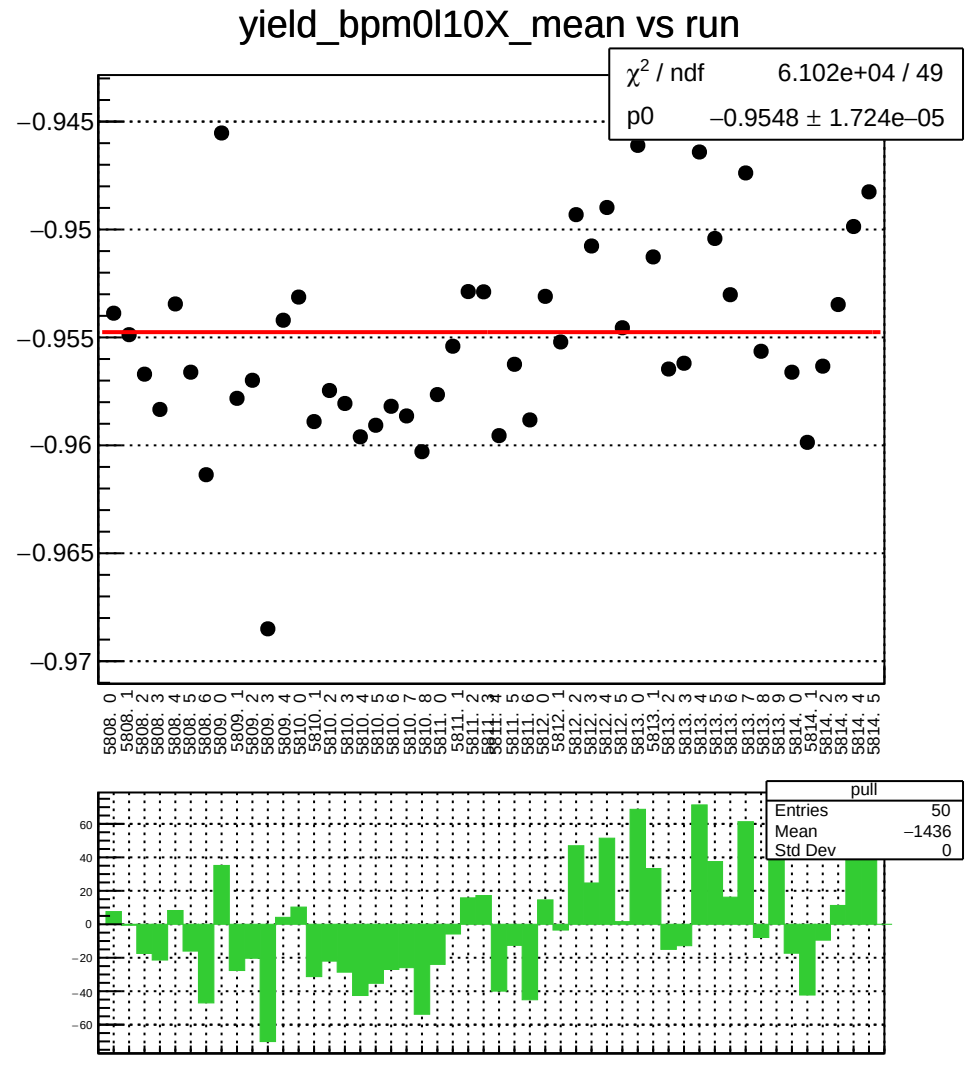

pull1D
Entries 50
Mean 0.1361
Std Dev 5.554
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

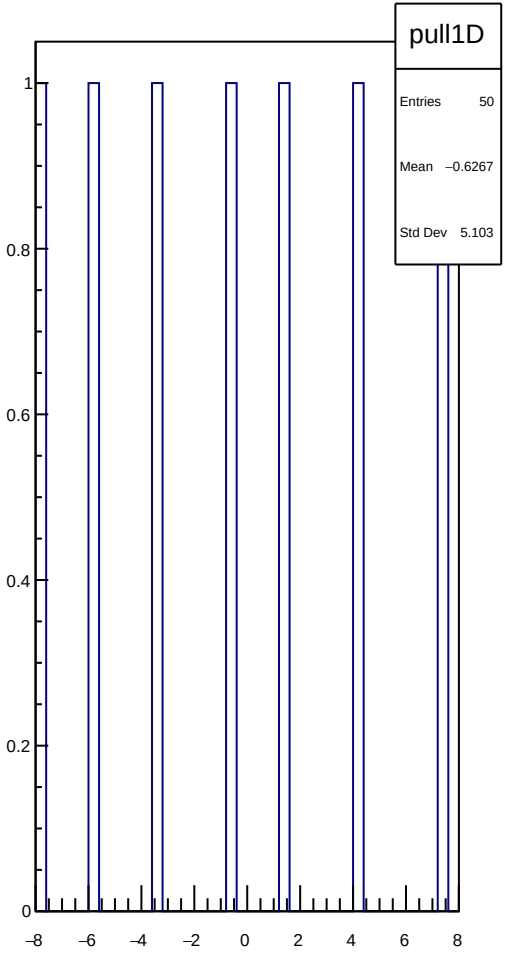

yield_bpm0l09X_rms vs run
χ² / ndf 2.584e+04 / 49
p0 0.0107 ± 1.111e−05
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

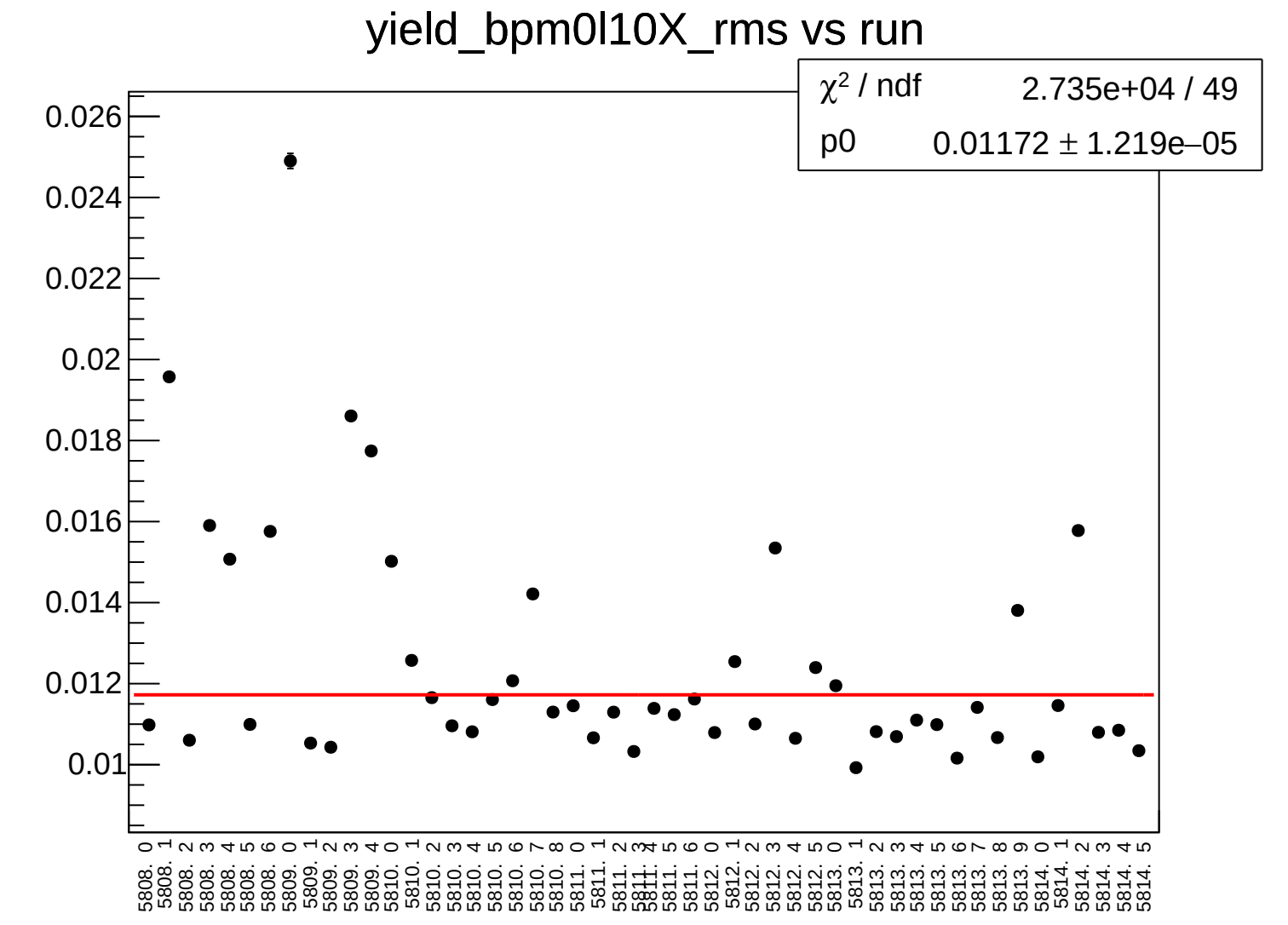

yield_bpm0l09Y_mean vs run
χ² / ndf 1.967e+06 / 49
p0 0.1799 ± 1.341e−05
0.22
0.21
0.2
0.19
0.18
0.17
0.16
0.15
pull
Entries 50
Mean −285.9
Std Dev 0
400
200
0
−200
−400

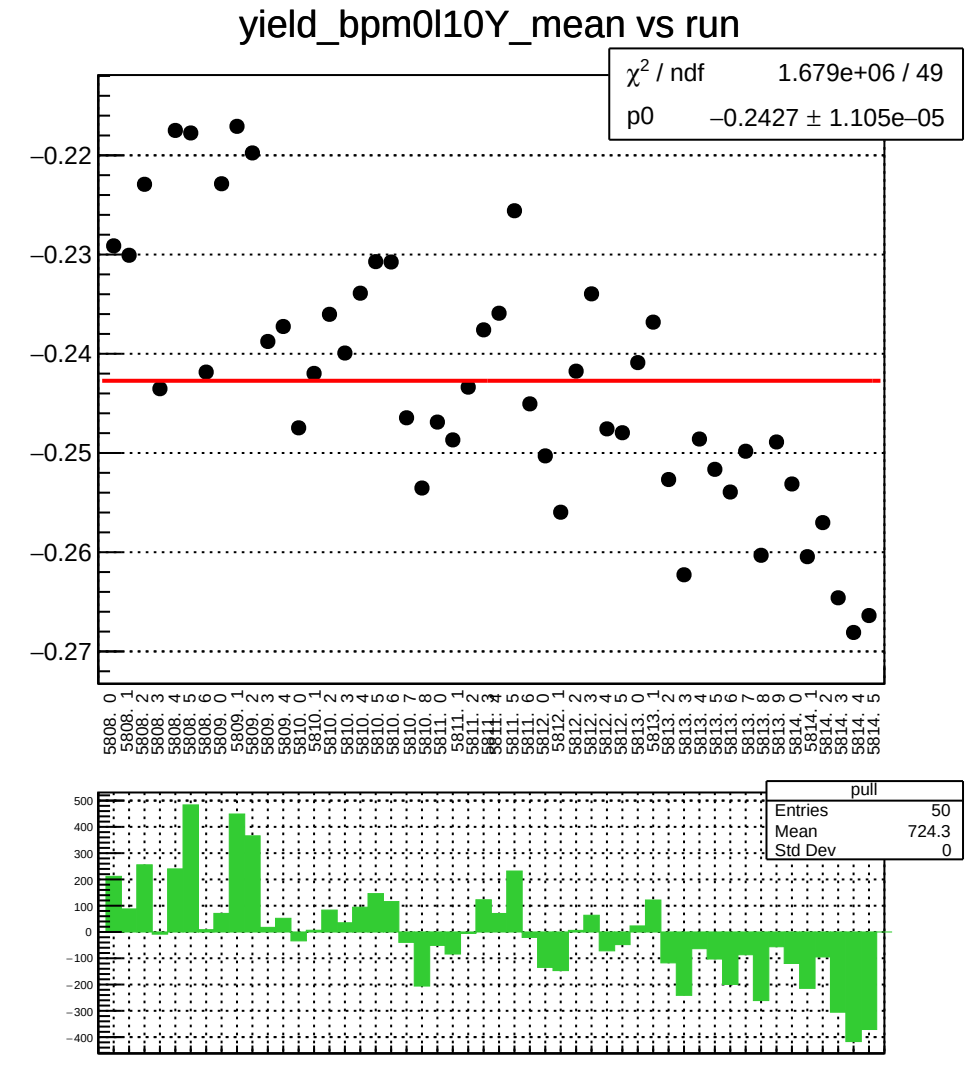

pull1D
Entries 50
Mean 1.122
Std Dev 3.69
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

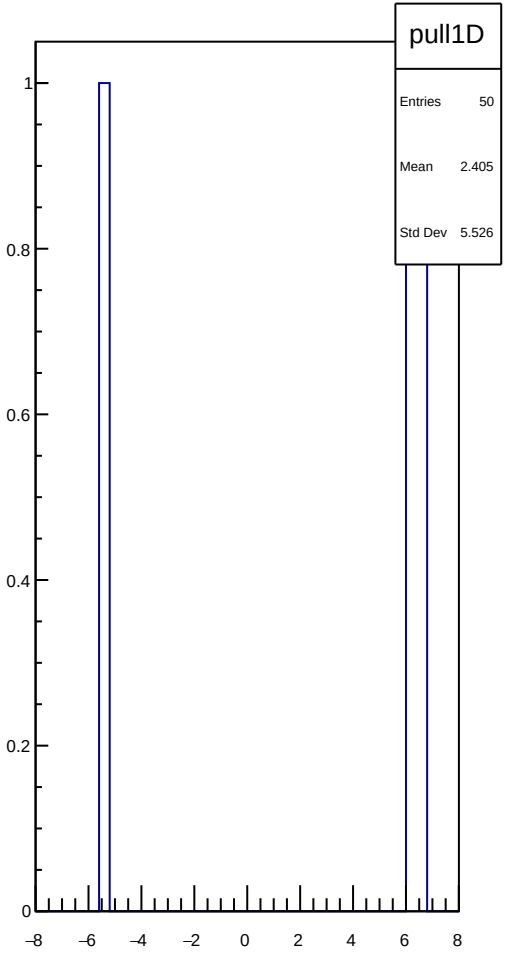

yield_bpm0l09Y_rms vs run
χ² / ndf 9.217e+04 / 49
p0 0.00879 ± 9.479e–06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

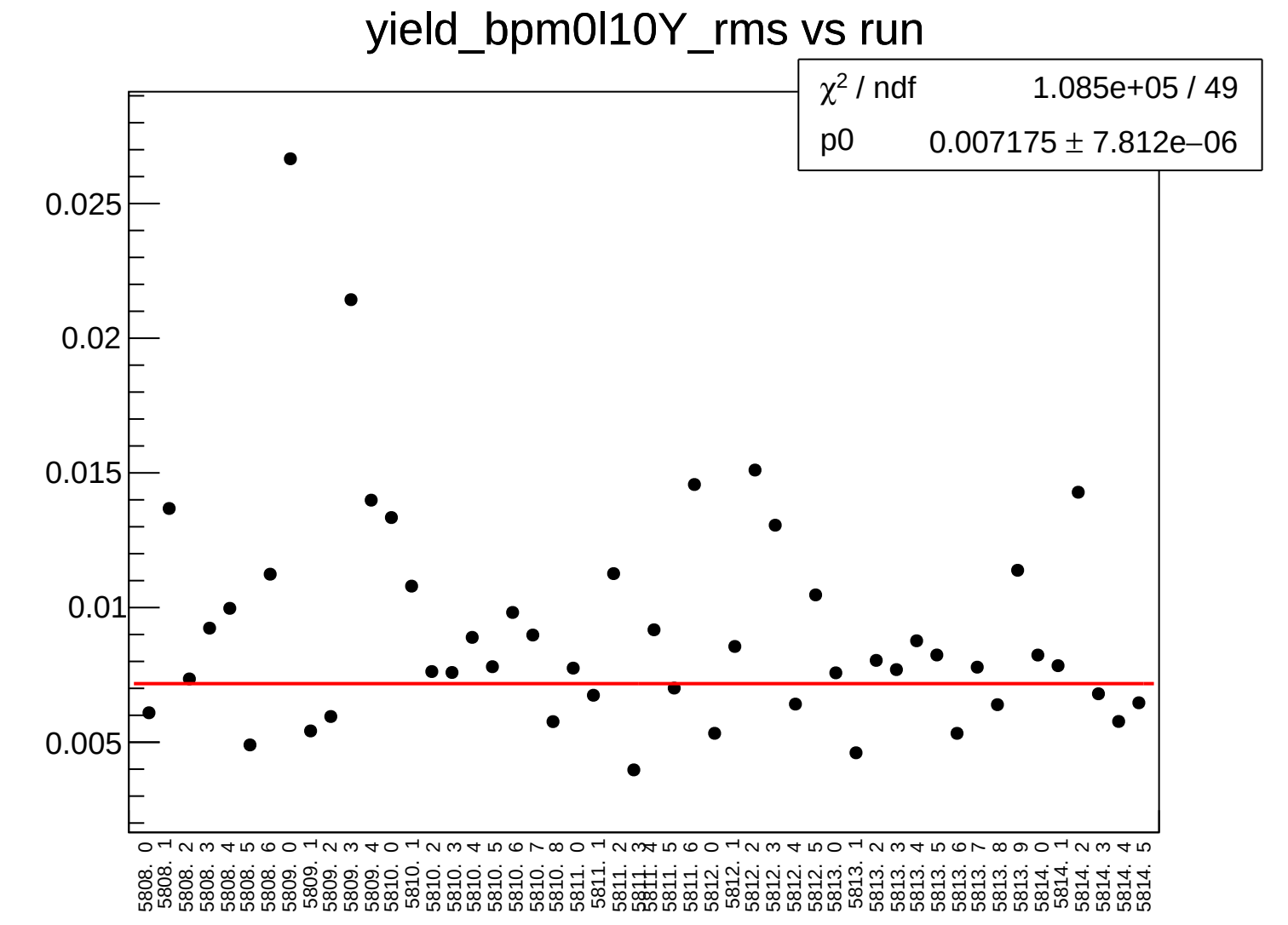

yield_bpm0l10X_mean vs run
χ² / ndf 6.102e+04 / 49
p0 −0.9548 ± 1.724e−05
−0.945
−0.95
−0.955
−0.96
−0.965
−0.97
pull
Entries 50
Mean −1436
Std Dev 0
60
40
20
0
−20
−40
−60

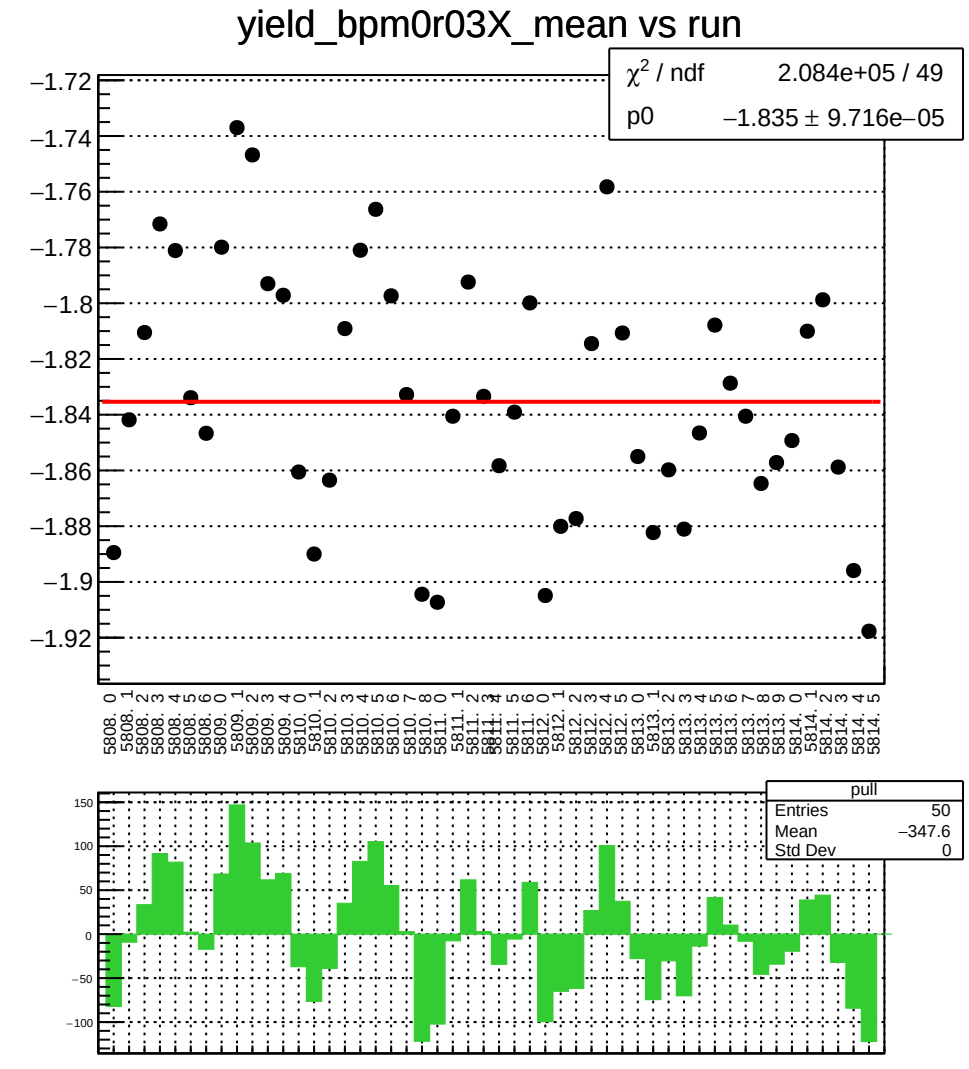

pull1D
Entries 50
Mean −0.6267
Std Dev 5.103
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

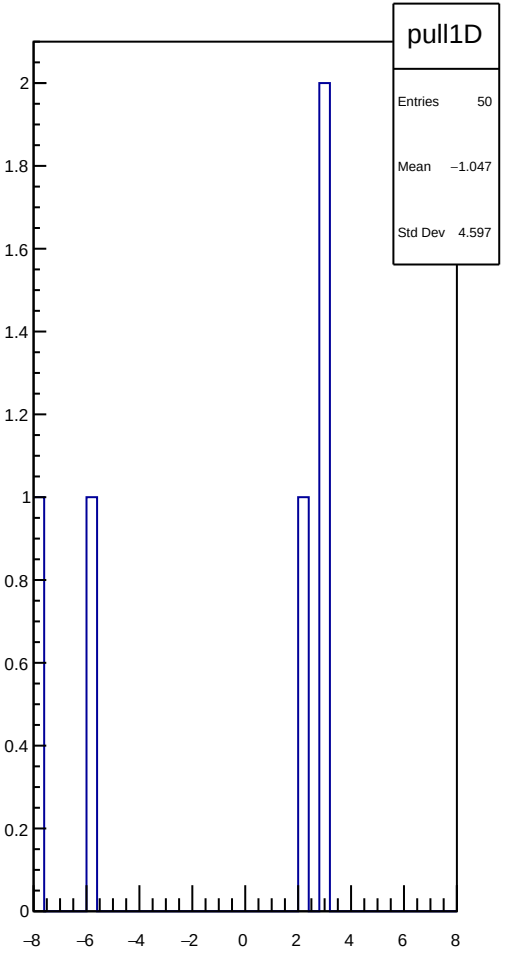

yield_bpm0l10X_rms vs run
χ² / ndf 2.735e+04 / 49
p0 0.01172 ± 1.219e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

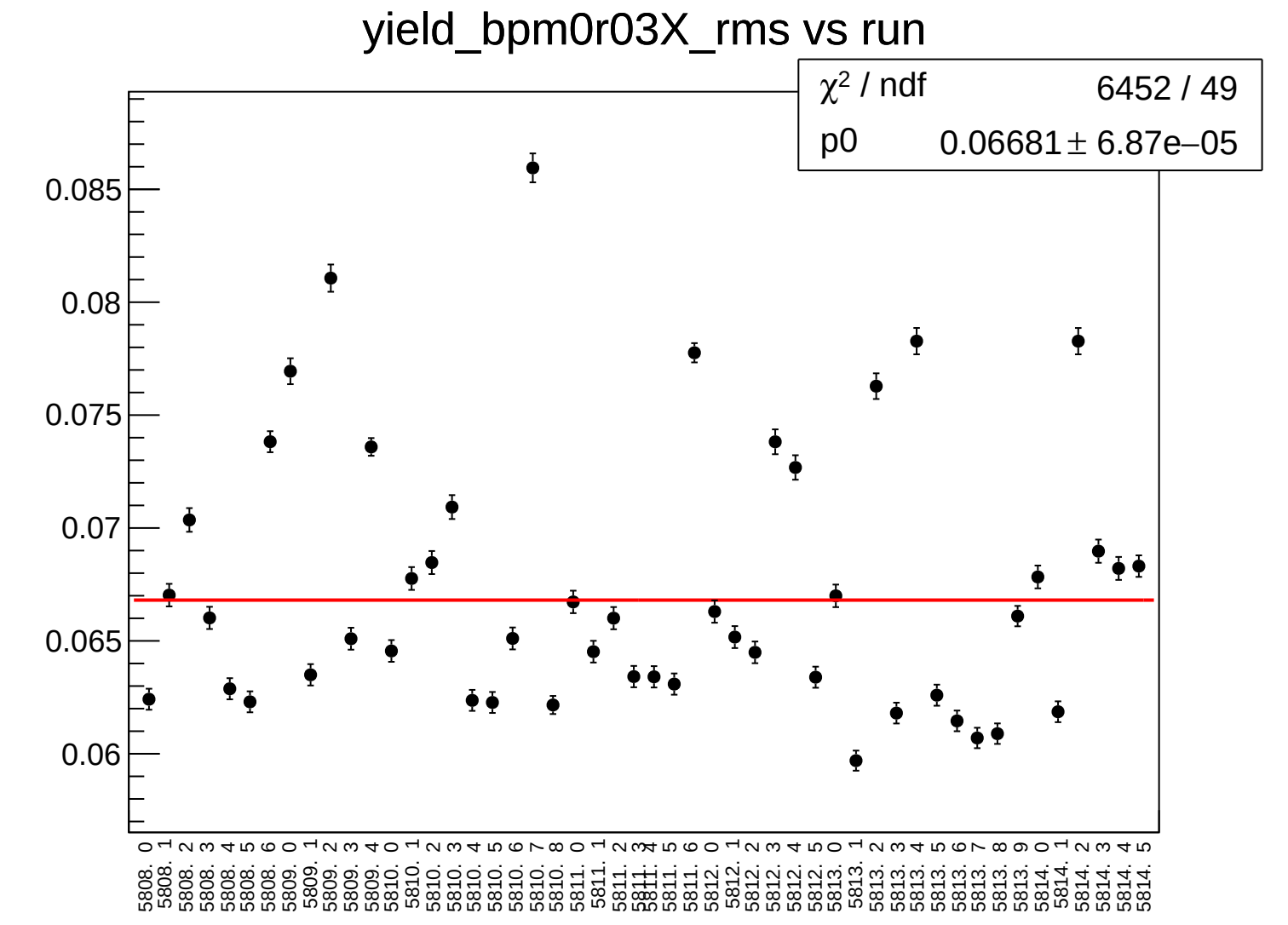

yield_bpm0l10Y_mean vs run
χ² / ndf 1.679e+06 / 49
p0 −0.2427 ± 1.105e−05
−0.22
−0.23
−0.24
−0.25
−0.26
−0.27
pull
Entries 50
Mean 724.3
Std Dev 0
500
400
300
200
100
0
−100
−200
−300
−400

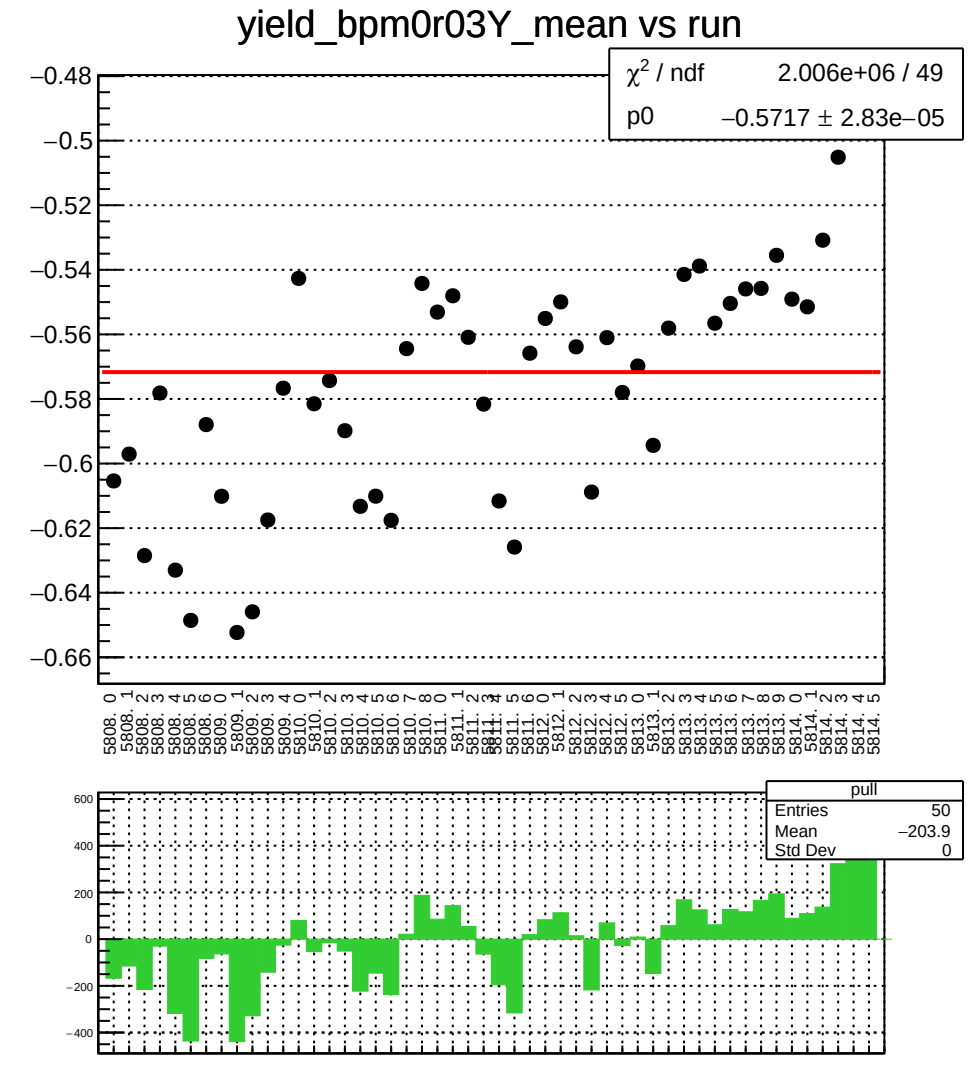

pull1D
Entries 50
Mean 2.405
Std Dev 5.526
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

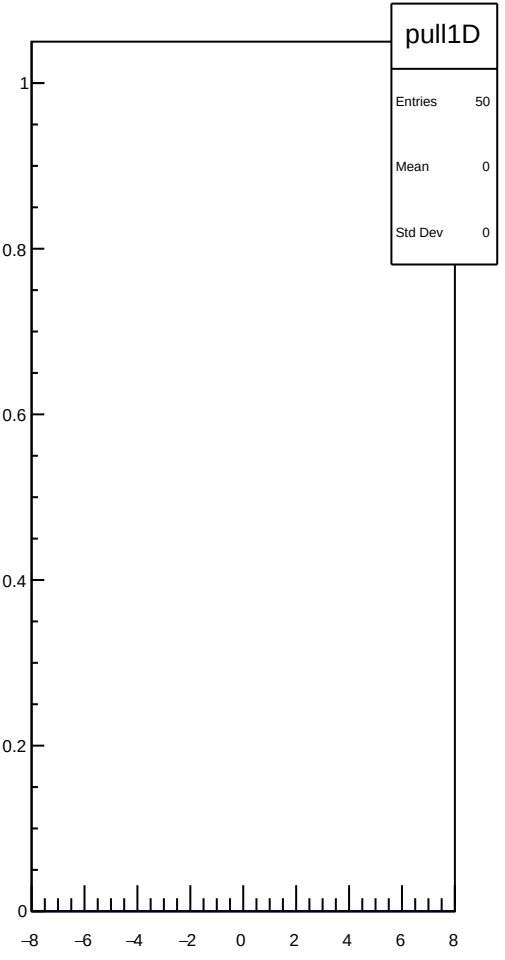

yield_bpm0l10Y_rms vs run
χ² / ndf 1.085e+05 / 49
p0 0.007175 ± 7.812e−06
0.025
0.02
0.015
0.01
0.005
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

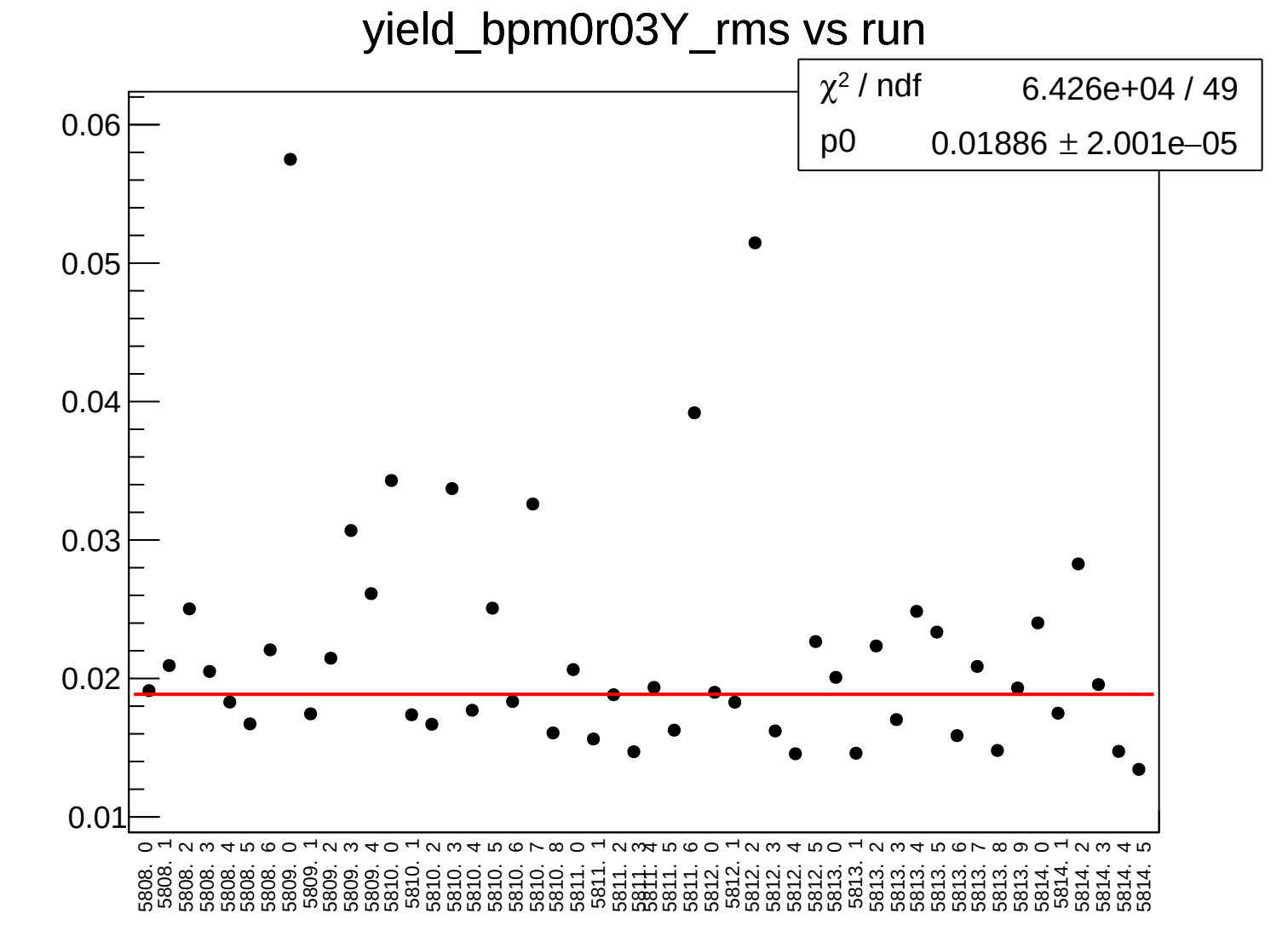

yield_bpm0r03X_mean vs run
χ² / ndf 2.084e+05 / 49
p0 −1.835 ± 9.716e−05
pull
Entries 50
Mean −347.6
Std Dev 0

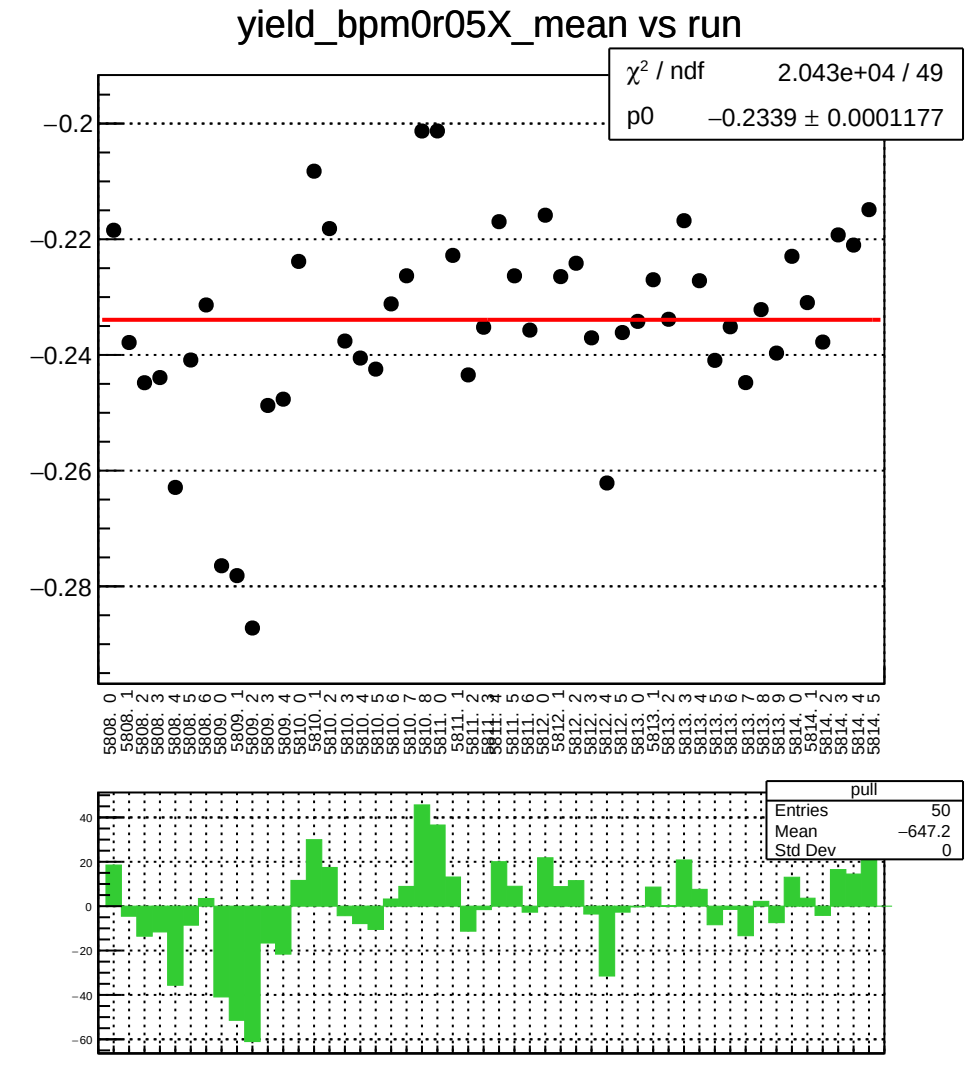

pull1D
Entries 50
Mean −1.047
Std Dev 4.597

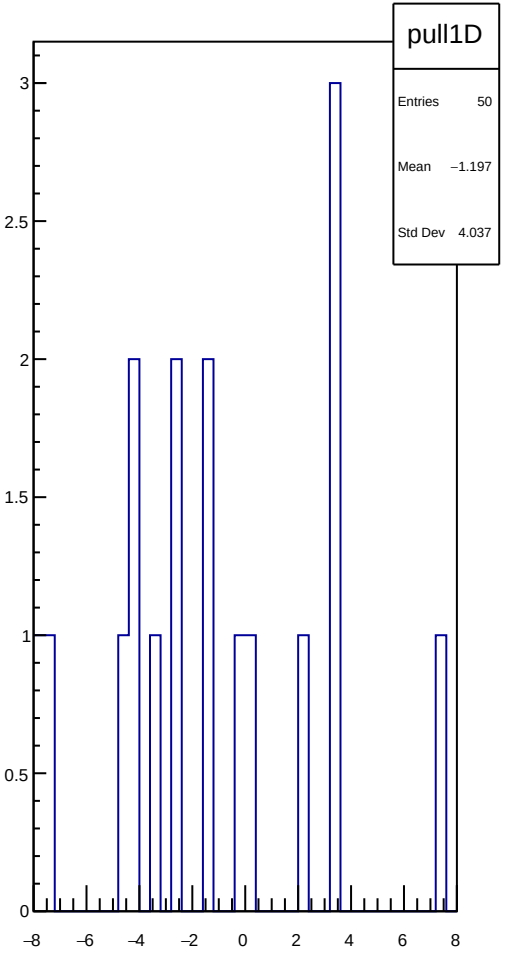

yield_bpm0r03X_rms vs run
χ² / ndf 6452 / 49
p0 0.06681 ± 6.87e–05
0.085
0.08
0.075
0.07
0.065
0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

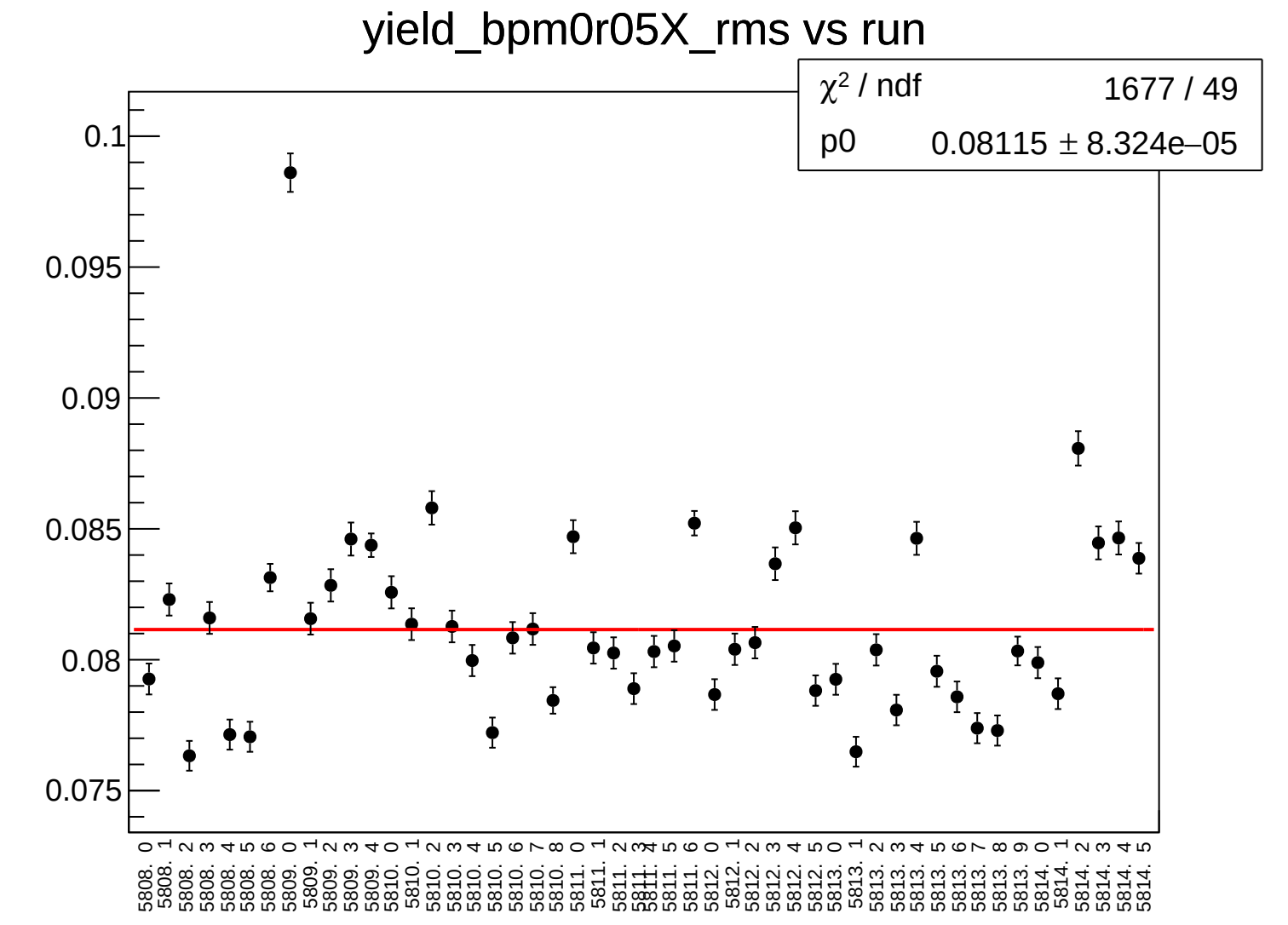

yield_bpm0r03Y_mean vs run
χ² / ndf 2.006e+06 / 49
p0 −0.5717 ± 2.83e−05
pull
Entries 50
Mean −203.9
Std Dev 0

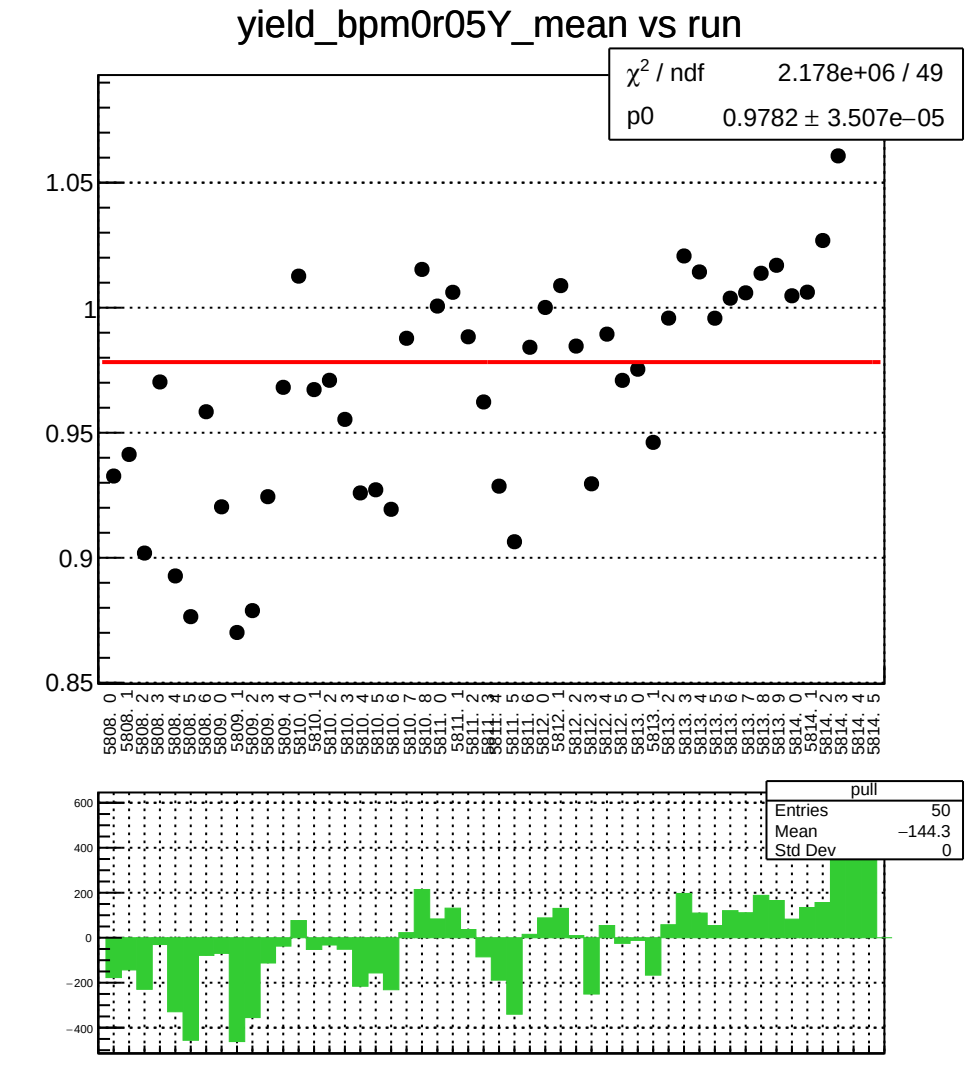

pull1D
Entries 50
Mean 0
Std Dev 0

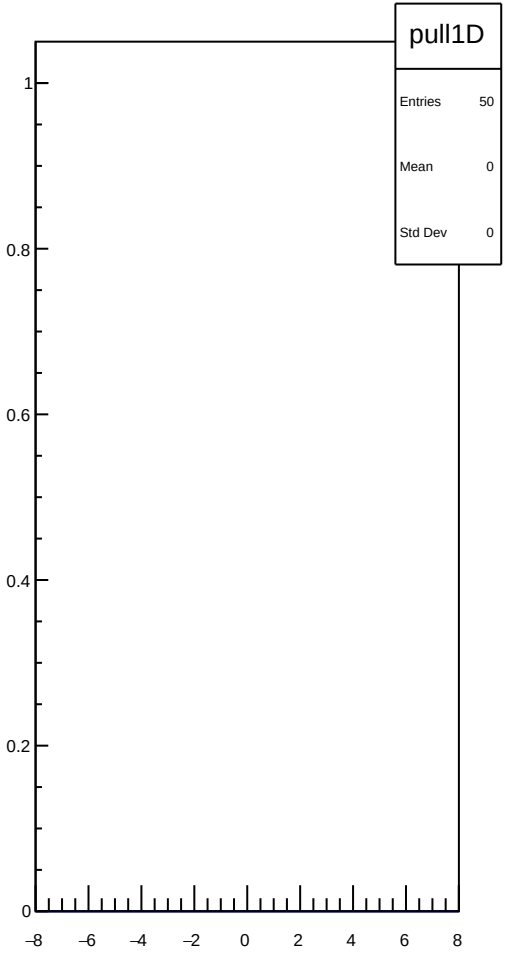

yield_bpm0r03Y_rms vs run
χ² / ndf 6.426e+04 / 49
p0 0.01886 ± 2.001e–05
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

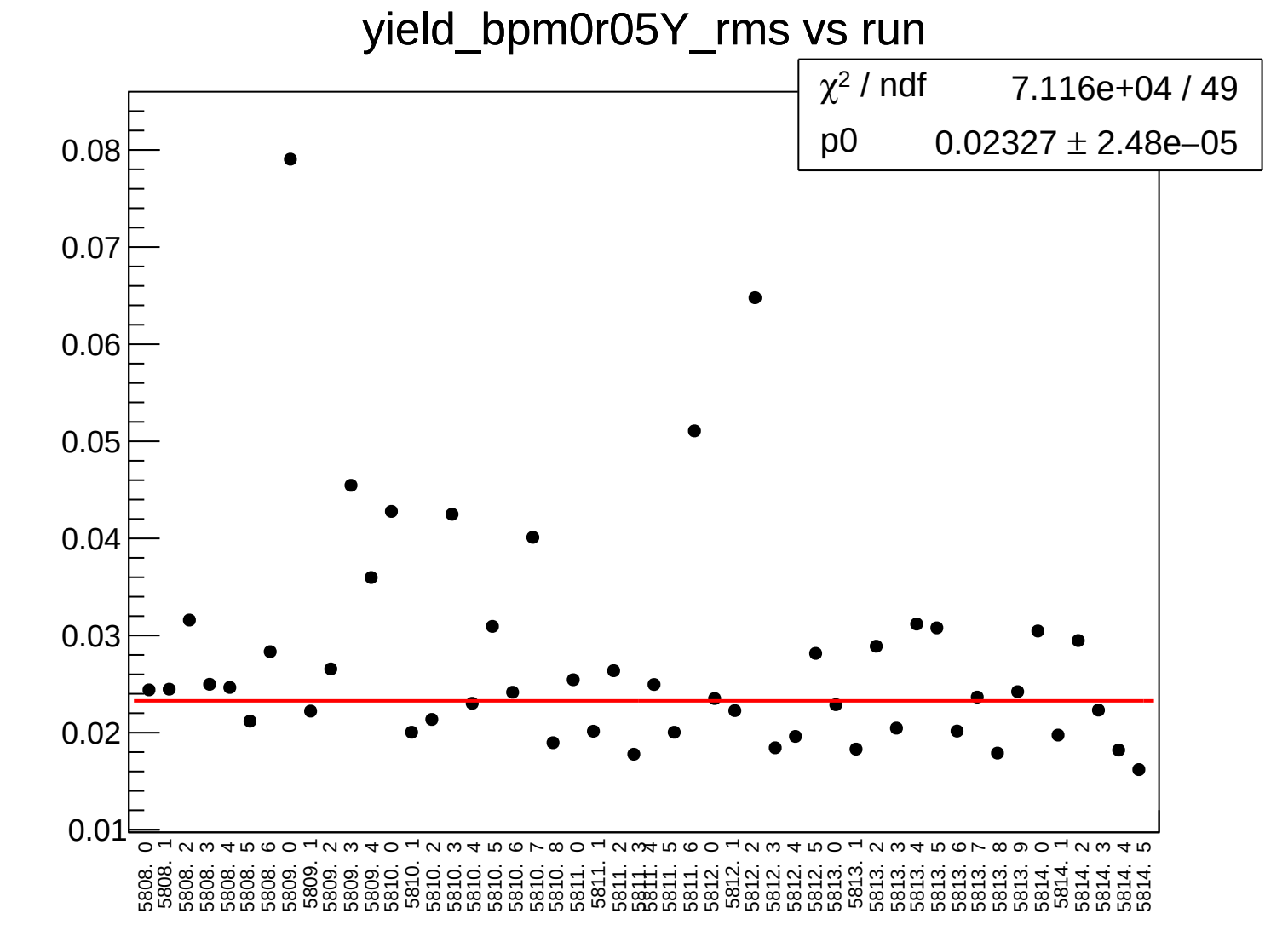

yield_bpm0r05X_mean vs run
χ² / ndf 2.043e+04 / 49
p0 −0.2339 ± 0.0001177
−0.2
−0.22
−0.24
−0.26
−0.28
pull
Entries 50
Mean −647.2
Std Dev 0
40
20
0
−20
−40
−60

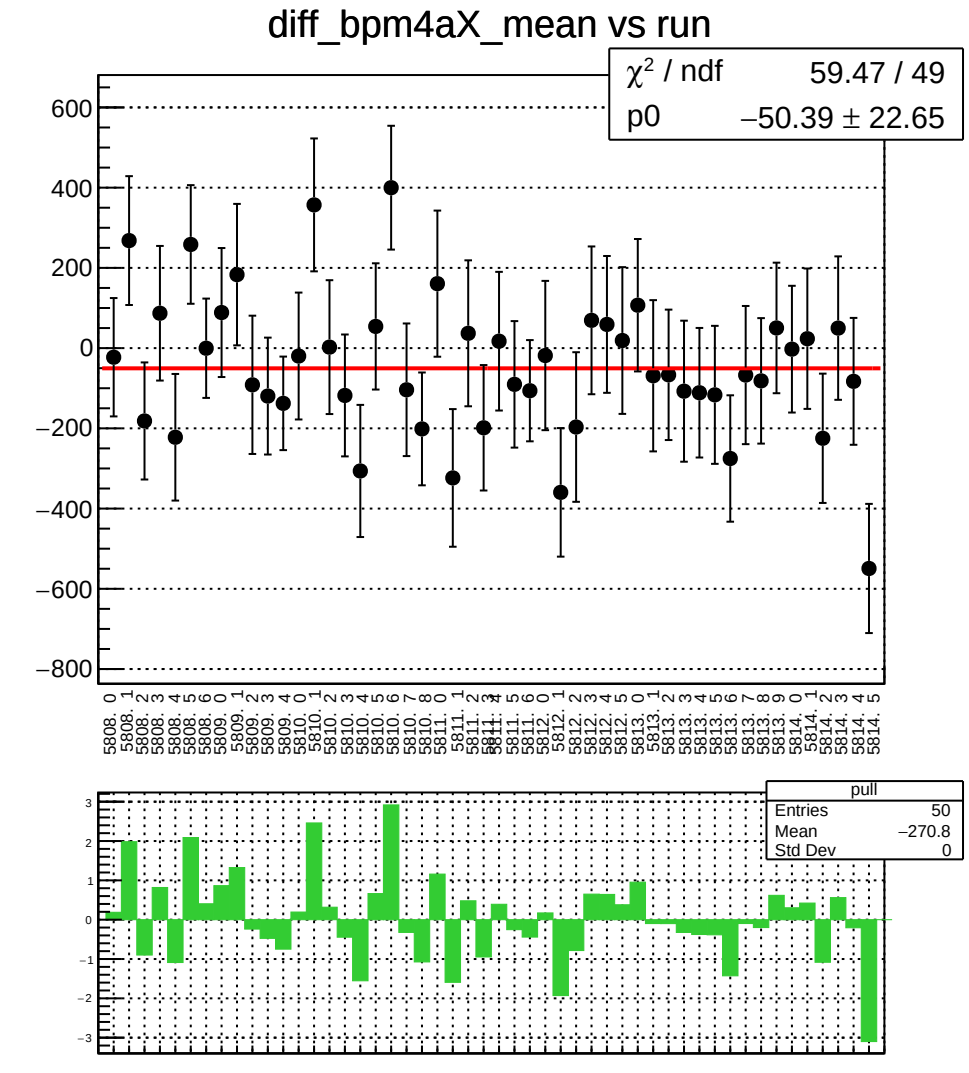

pull1D
Entries 50
Mean −1.197
Std Dev 4.037
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

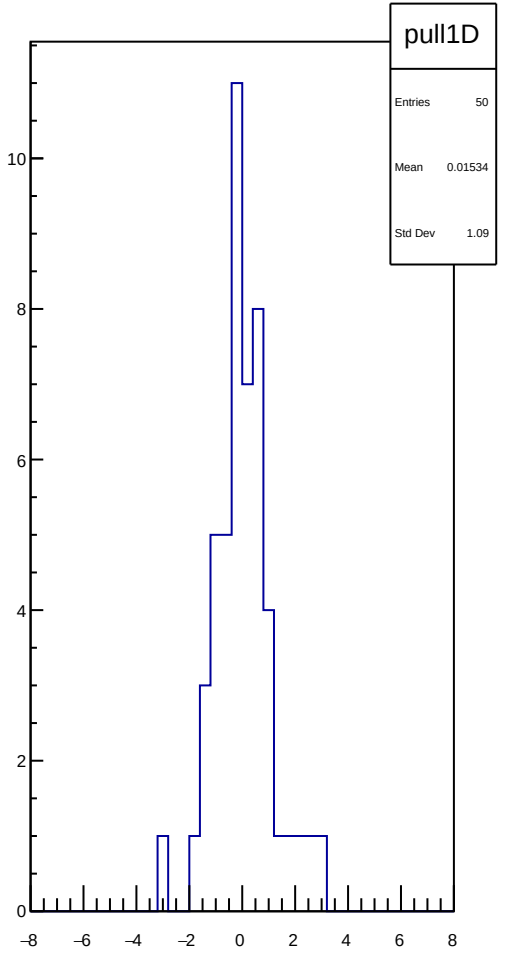

yield_bpm0r05X_rms vs run
χ² / ndf 1677 / 49
p0 0.08115 ± 8.324e–05
0.1
0.095
0.09
0.085
0.08
0.075
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

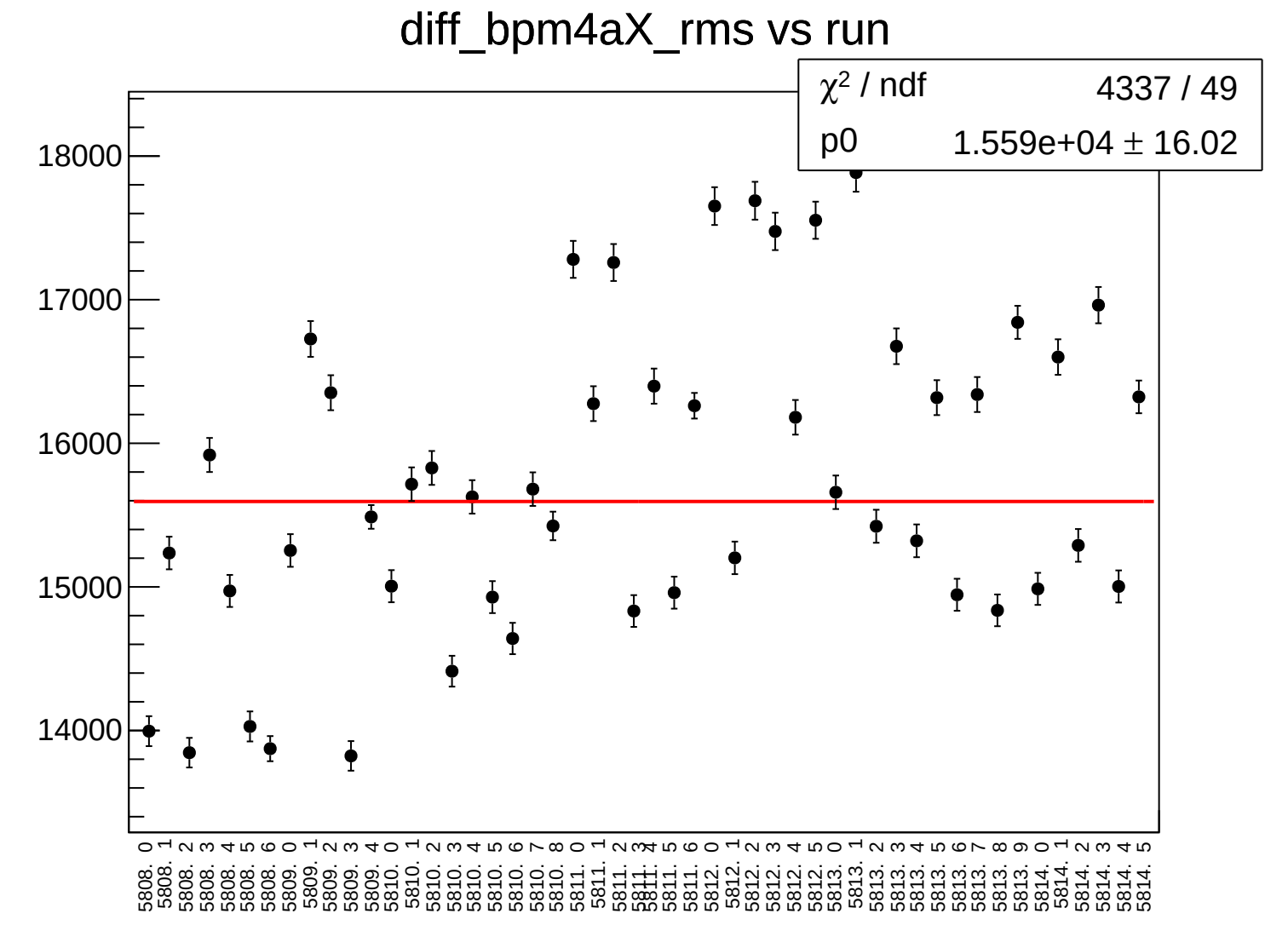

yield_bpm0r05Y_mean vs run
χ² / ndf 2.178e+06 / 49
p0 0.9782 ± 3.507e−05
1.05
1
0.95
0.9
0.85
pull
Entries 50
Mean −144.3
Std Dev 0
600
400
200
0
−200
−400

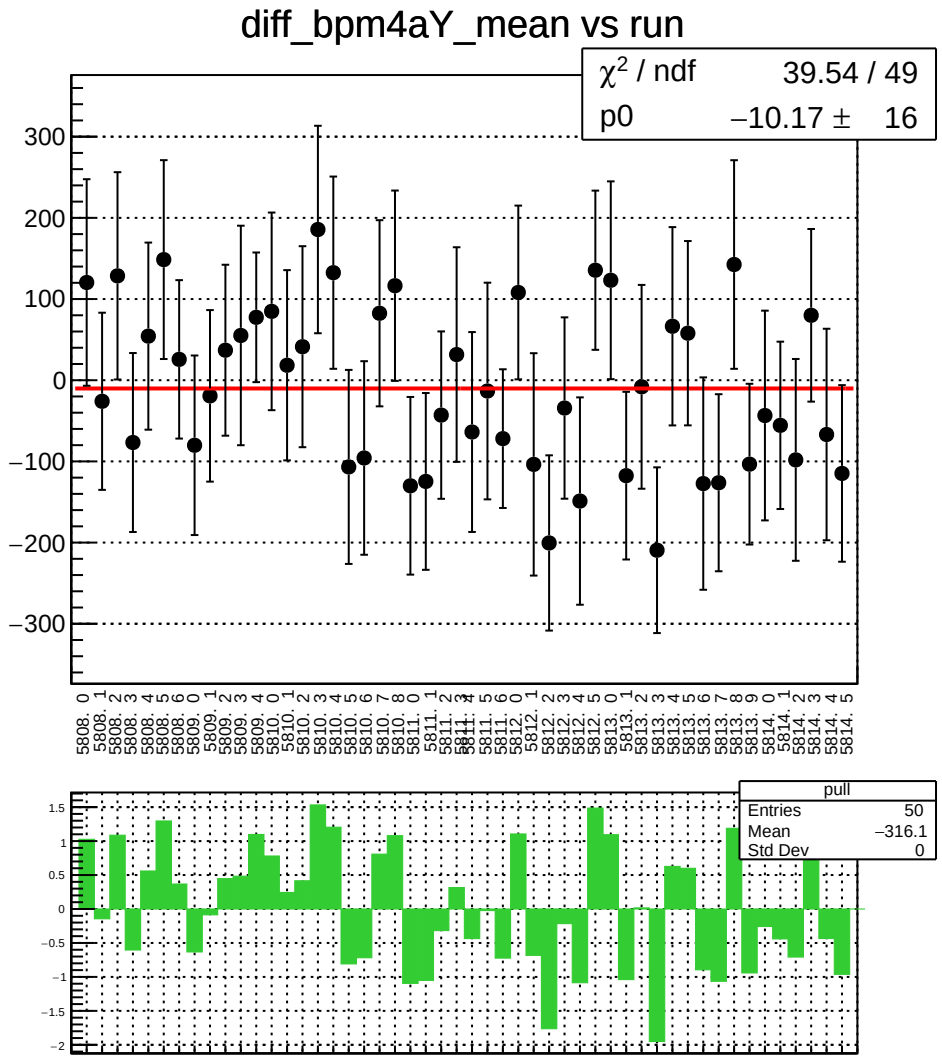

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

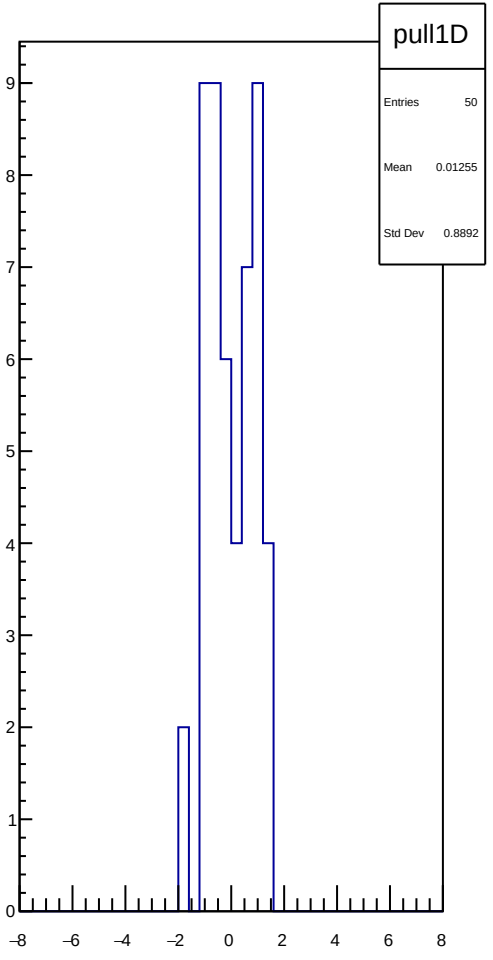

yield_bpm0r05Y_rms vs run
χ² / ndf 7.116e+04 / 49
p0 0.02327 ± 2.48e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

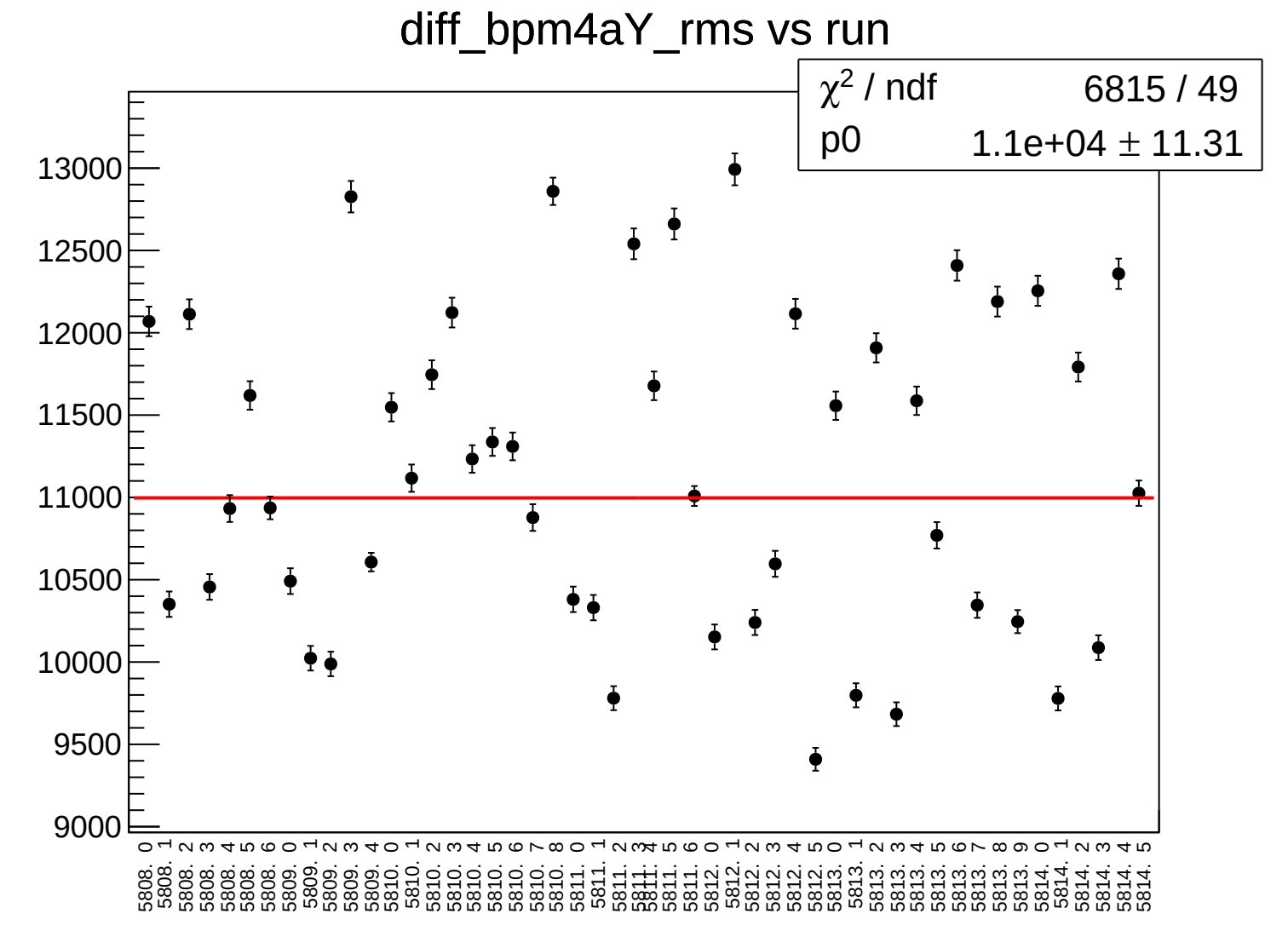

diff_bpm4aX_mean vs run
χ² / ndf 59.47 / 49
p0 −50.39 ± 22.65
pull
Entries 50
Mean −270.8
Std Dev 0

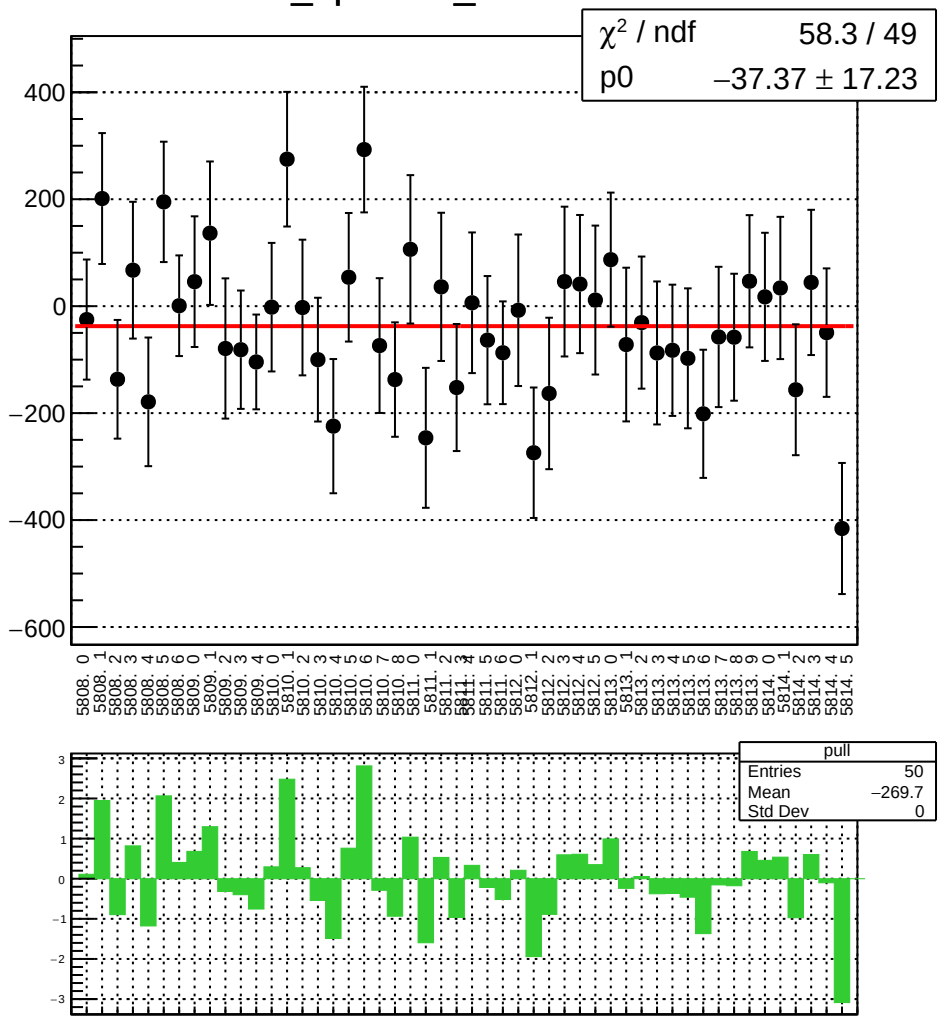

pull1D
Entries 50
Mean 0.01534
Std Dev 1.09

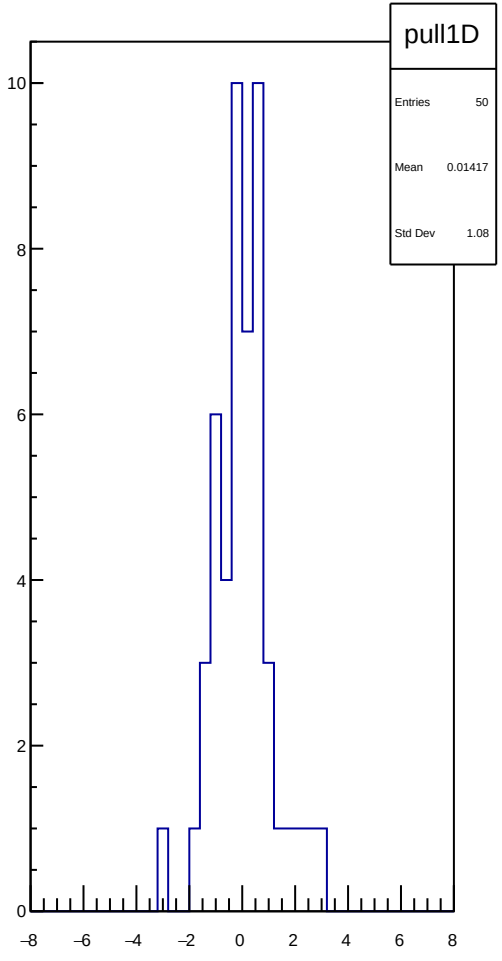

diff_bpm4aX_rms vs run
χ² / ndf 4337 / 49
p0 1.559e+04 ± 16.02
18000
17000
16000
15000
14000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

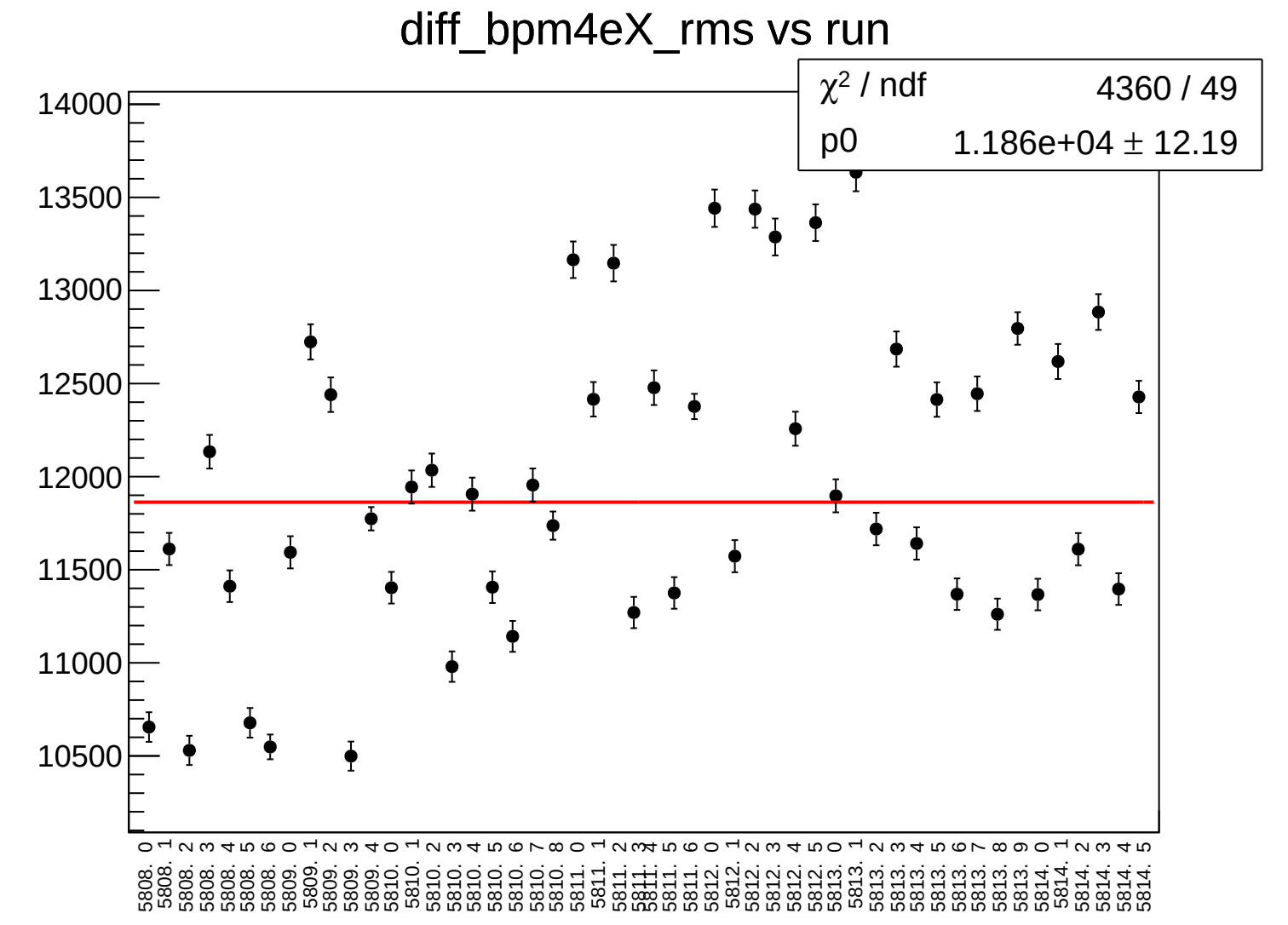

diff_bpm4aY_mean vs run
χ² / ndf 39.54 / 49
p0 −10.17 ± 16
pull
Entries 50
Mean −316.1
Std Dev 0

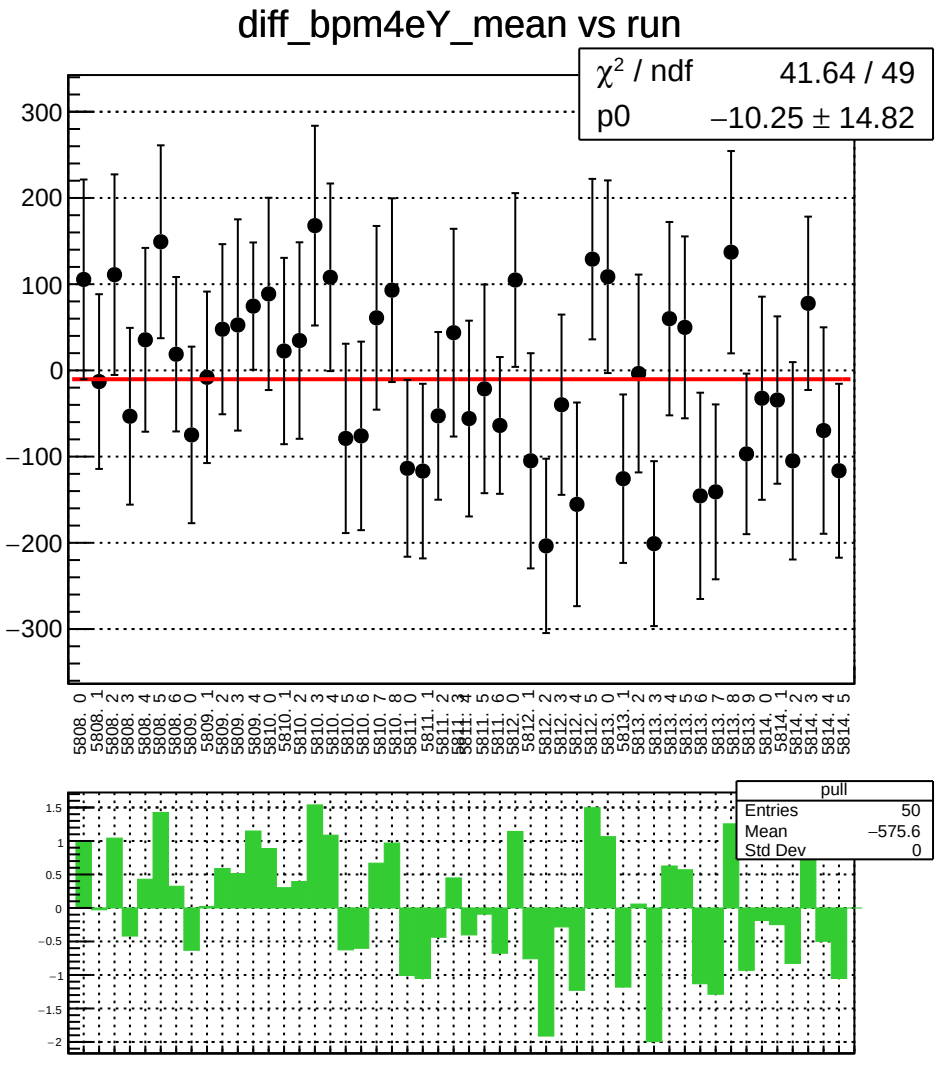

pull1D
Entries 50
Mean 0.01255
Std Dev 0.8892

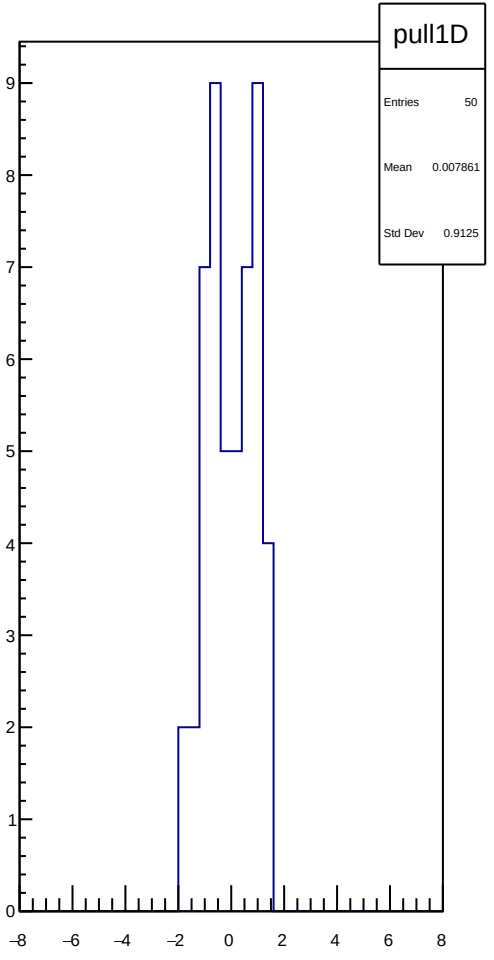

diff_bpm4aY_rms vs run
χ² / ndf 6815 / 49
p0 1.1e+04 ± 11.31
13000
12500
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

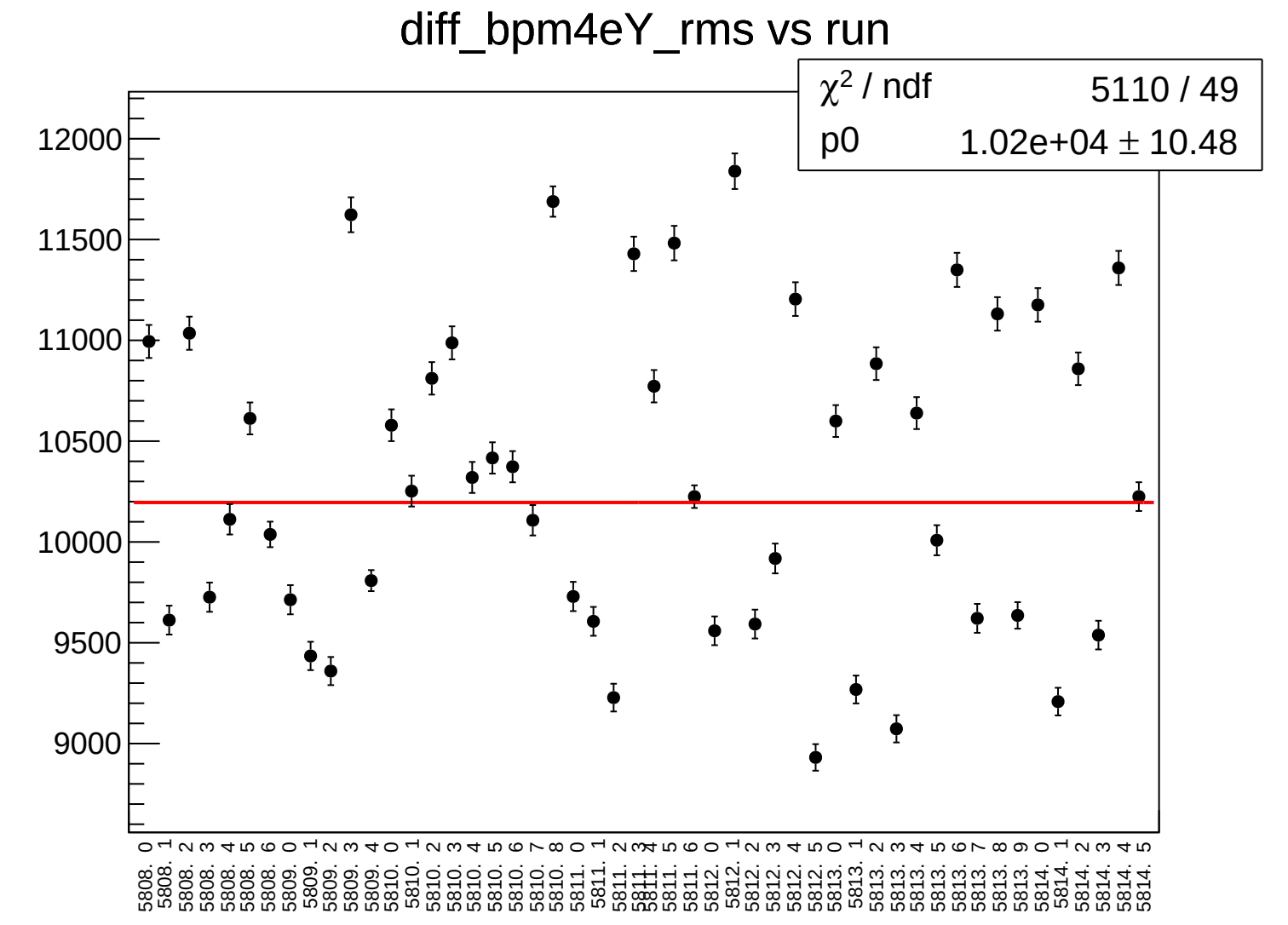

diff_bpm4eX_mean vs run
χ² / ndf 58.3 / 49
p0 −37.37 ± 17.23
400
200
0
−200
−400
−600
pull
Entries 50
Mean −269.7
Std Dev 0
3
2
1
0
−1
−2
−3

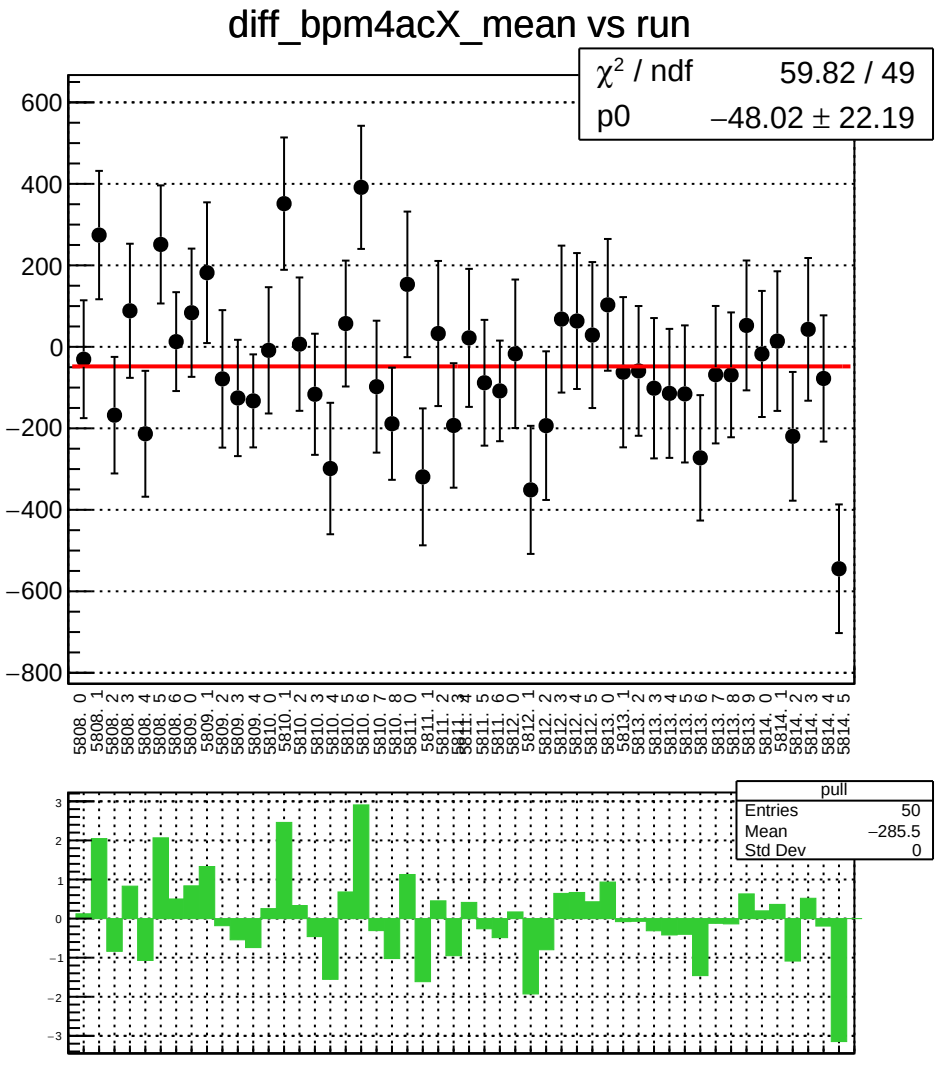

pull1D
Entries 50
Mean 0.01417
Std Dev 1.08
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

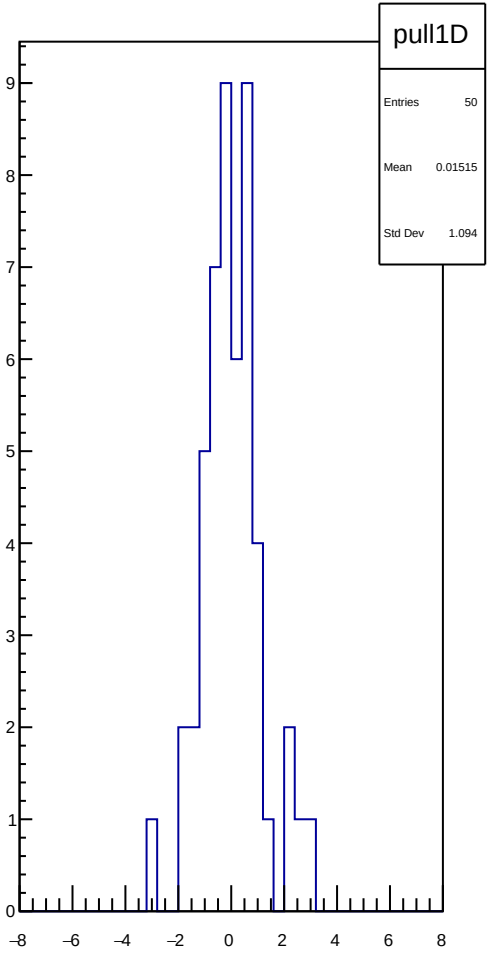

diff_bpm4eX_rms vs run
χ² / ndf 4360 / 49
p0 1.186e+04 ± 12.19
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

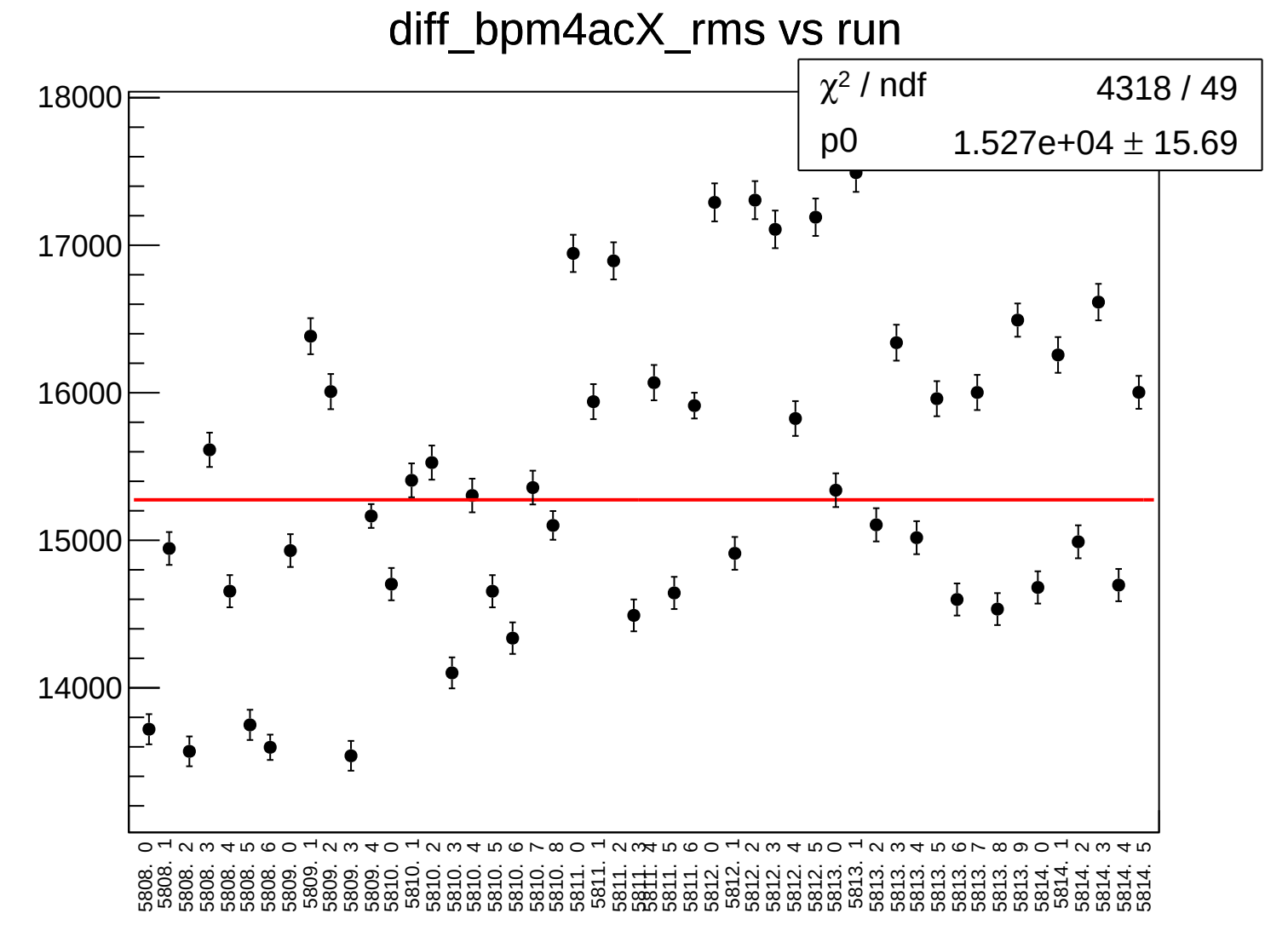

diff_bpm4eY_mean vs run
χ² / ndf 41.64 / 49
p0 −10.25 ± 14.82
pull
Entries 50
Mean −575.6
Std Dev 0


pull1D
Entries 50
Mean 0.007861
Std Dev 0.9125


diff_bpm4eY_rms vs run
χ² / ndf 5110 / 49
p0 1.02e+04 ± 10.48
12000
11500
11000
10500
10000
9500
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm4acX_mean vs run
χ² / ndf 59.82 / 49
p0 −48.02 ± 22.19
pull
Entries 50
Mean −285.5
Std Dev 0


pull1D
Entries 50
Mean 0.01515
Std Dev 1.094


diff_bpm4acX_rms vs run
χ² / ndf 4318 / 49
p0 1.527e+04 ± 15.69
18000
17000
16000
15000
14000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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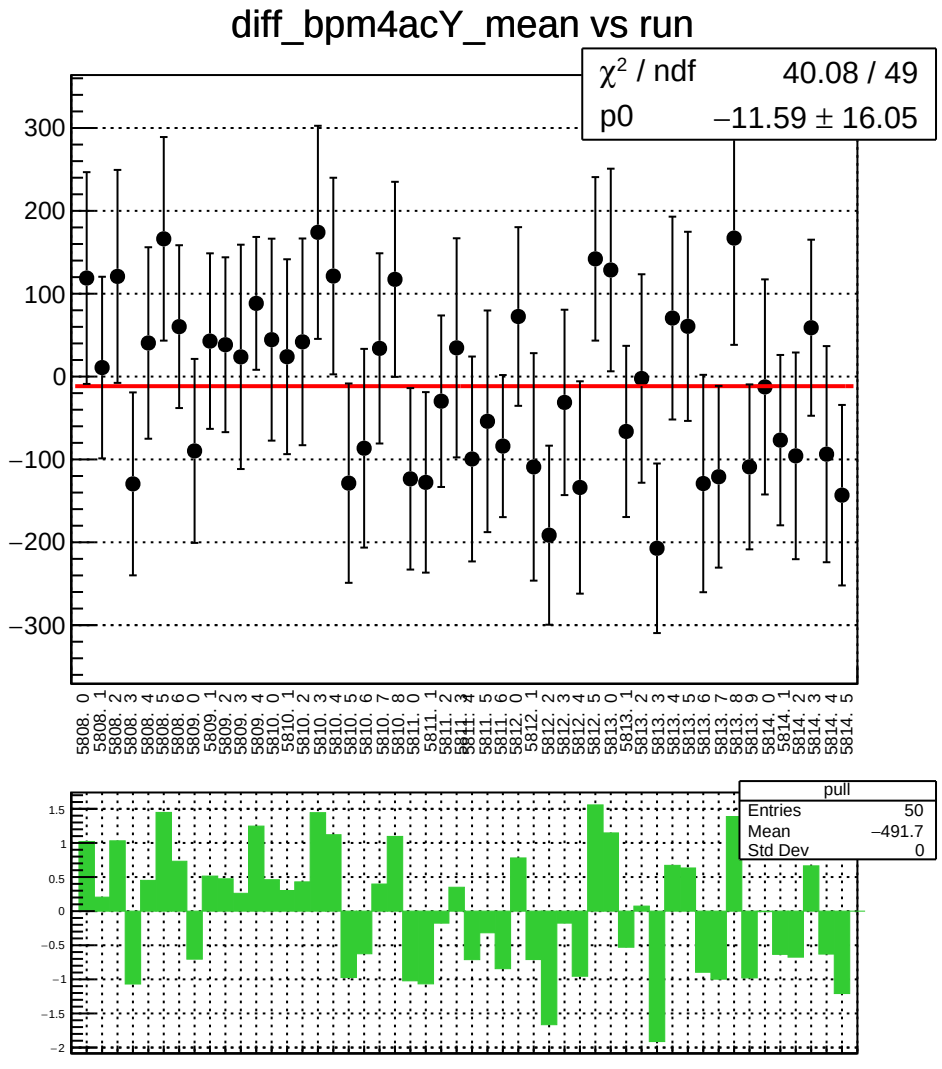
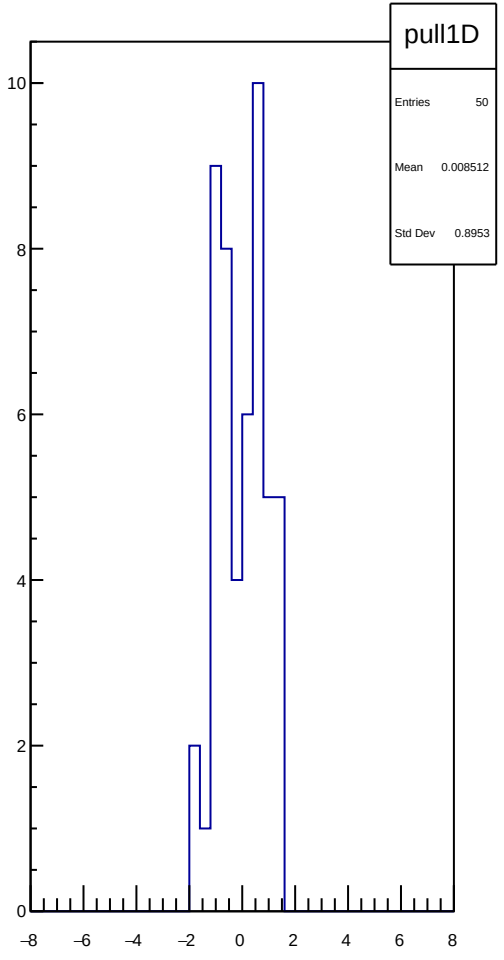
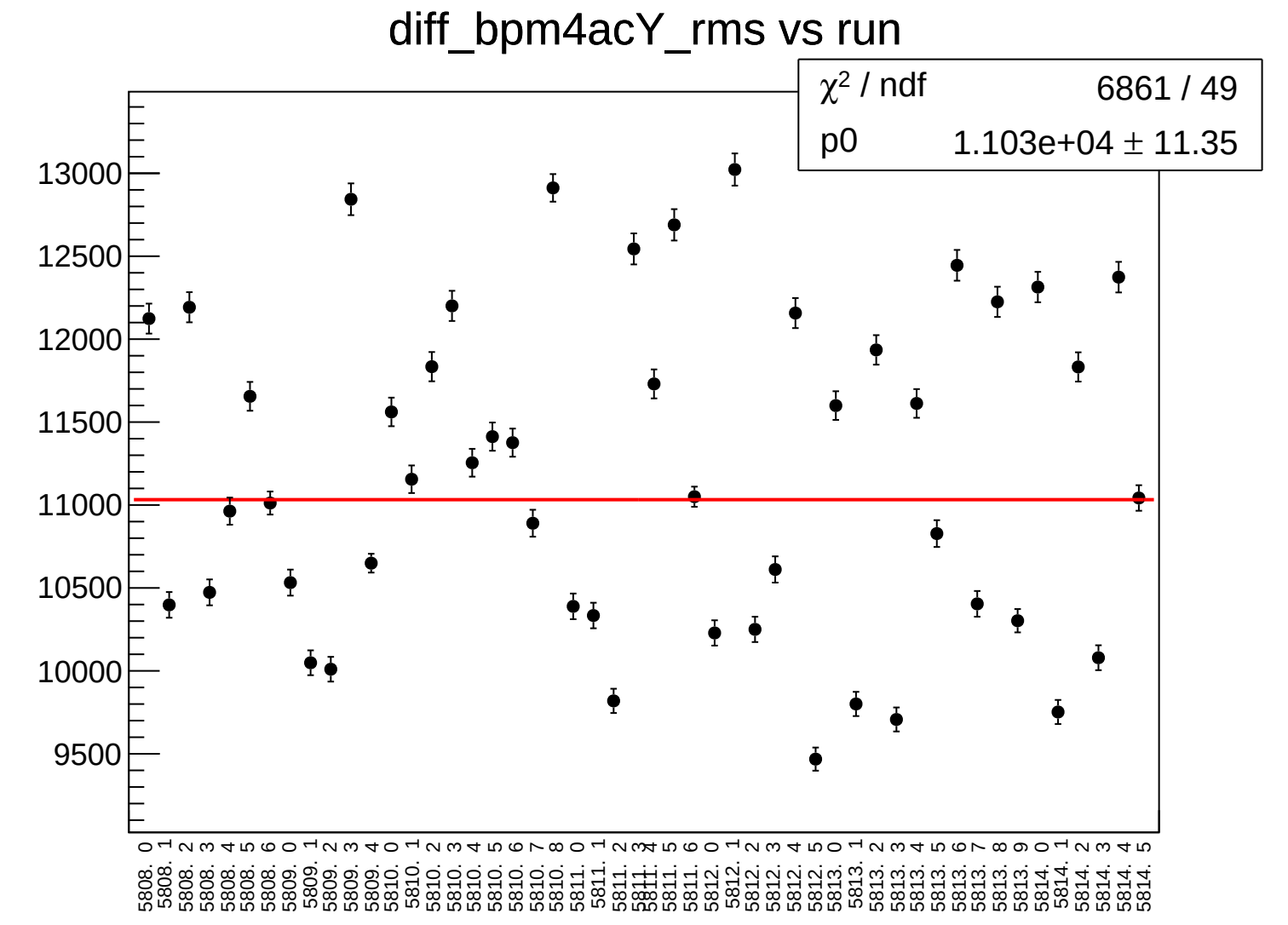
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm4acY_mean vs run
χ² / ndf 40.08 / 49
p0 −11.59 ± 16.05
300
200
100
0
−100
−200
−300
pull
Entries 50
Mean −491.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.008512
Std Dev 0.8953
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm4acY_rms vs run
χ² / ndf 6861 / 49
p0 1.103e+04 ± 11.35
13000
12500
12000
11500
11000
10500
10000
9500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
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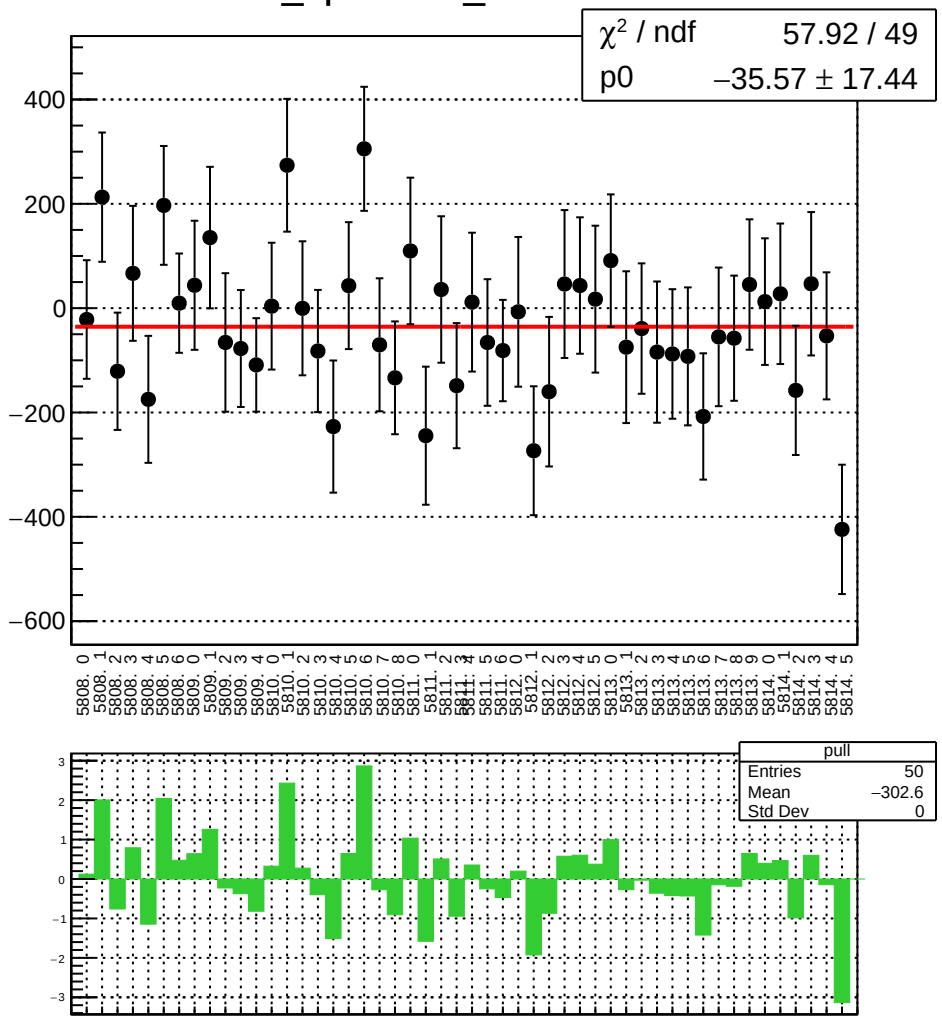
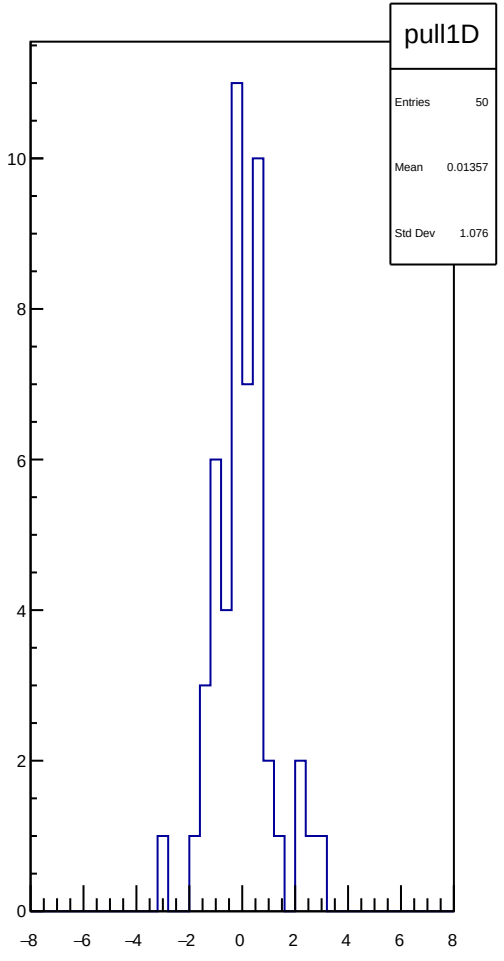
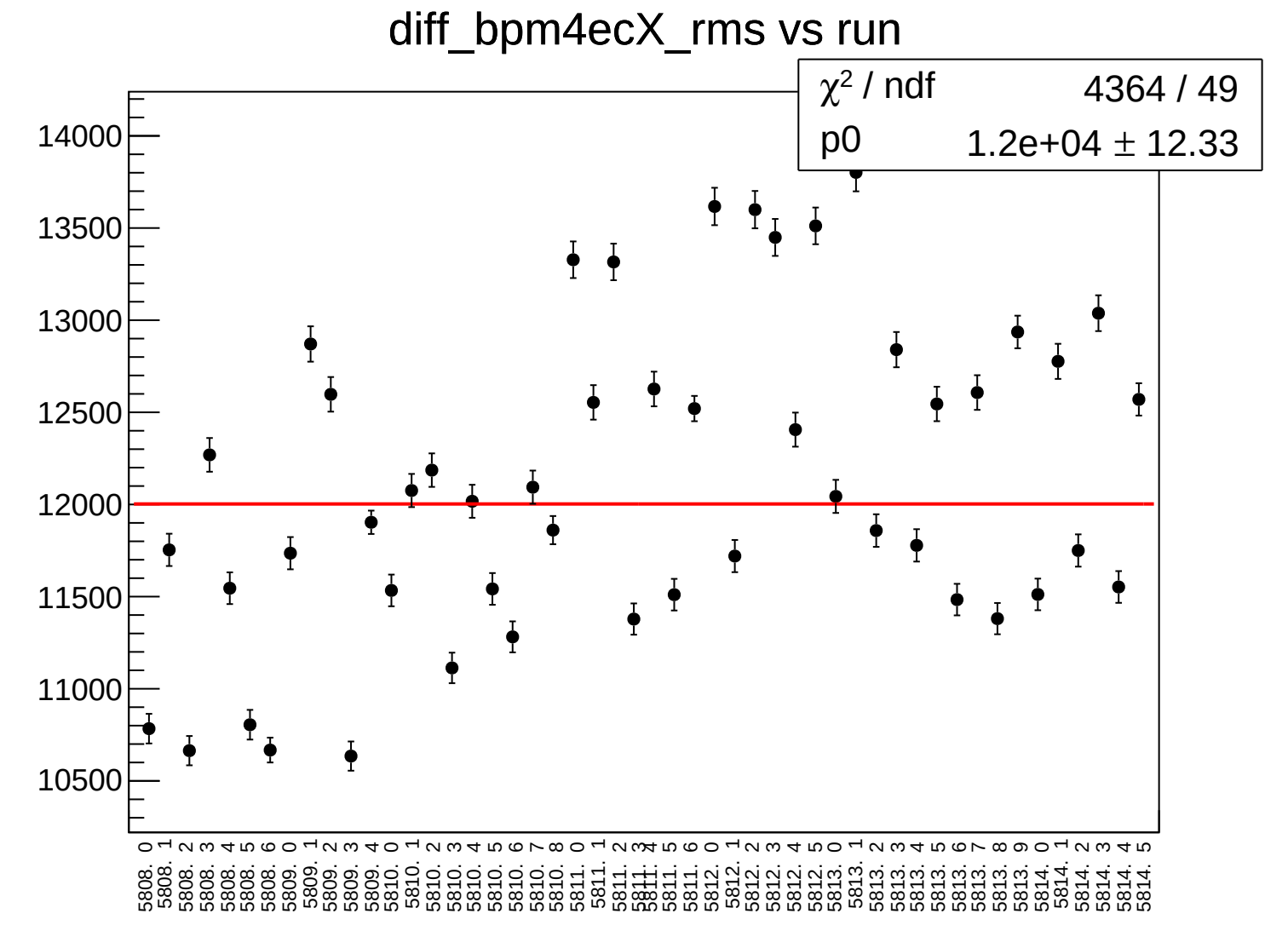
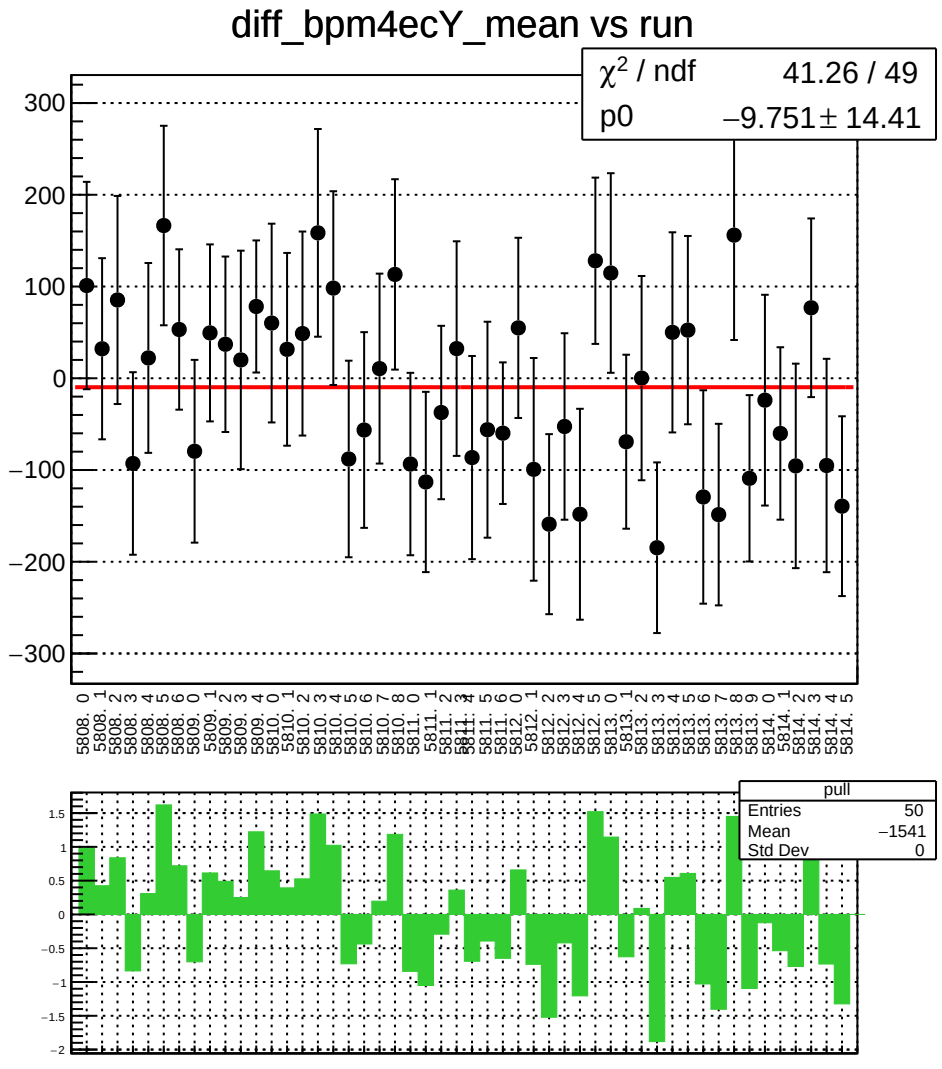
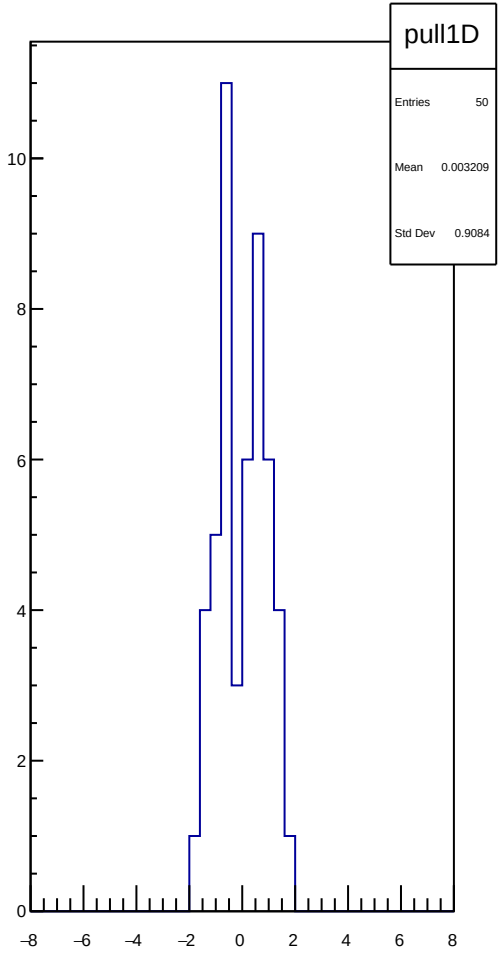
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

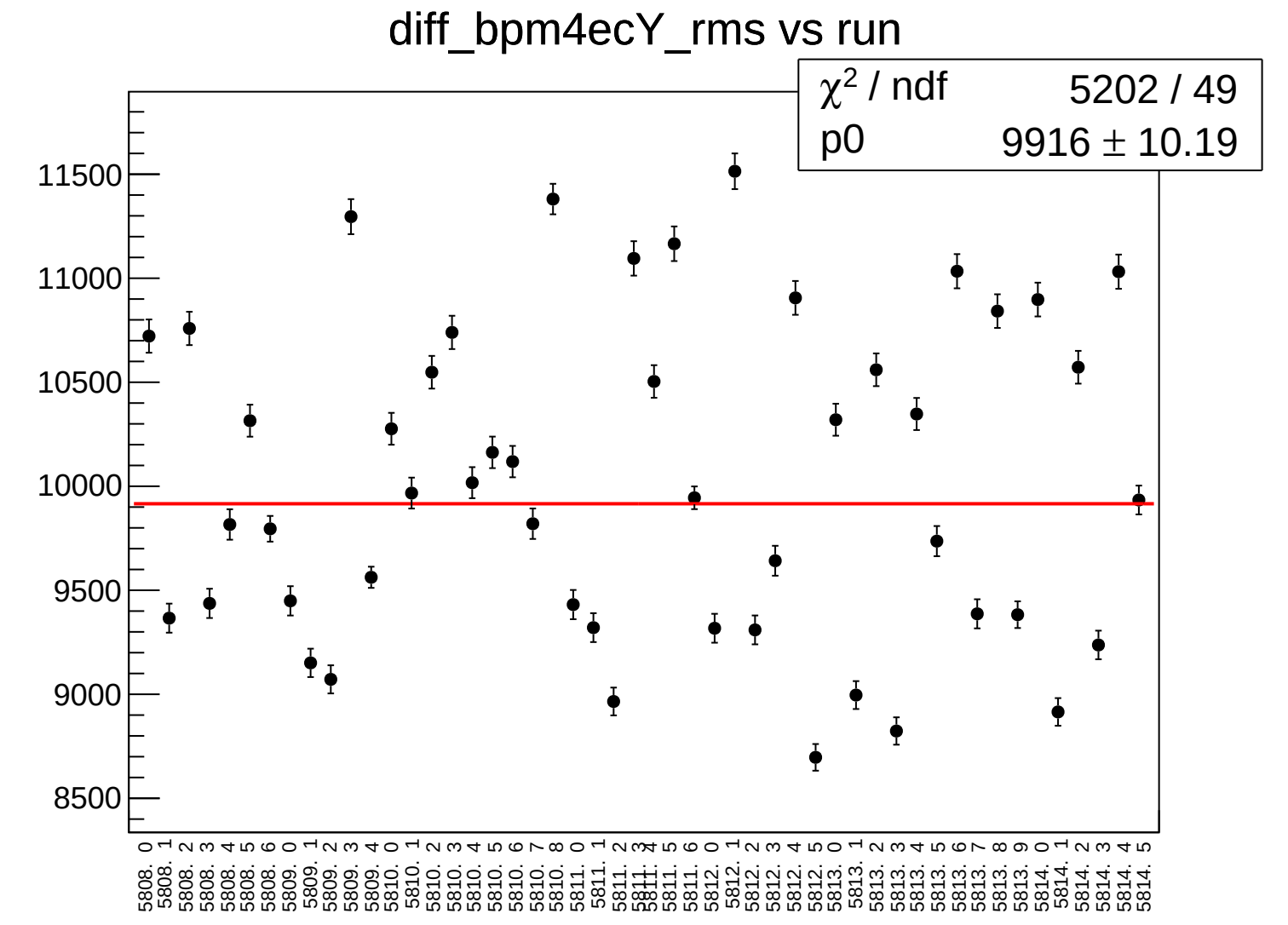

diff_bpm4ecX_mean vs run
χ² / ndf 57.92 / 49
p0 −35.57 ± 17.44
400
200
0
−200
−400
−600
pull
Entries 50
Mean −302.6
Std Dev 0
3
2
1
0
−1
−2
−3

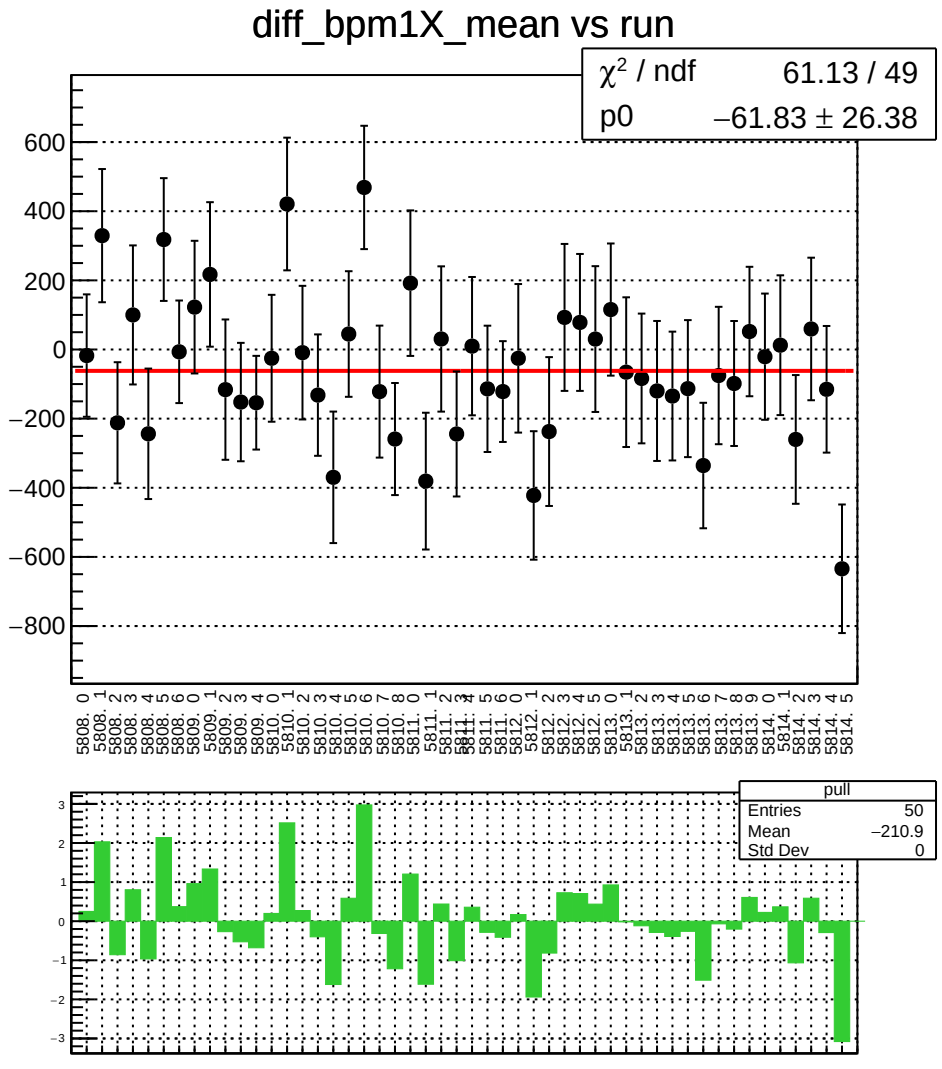

pull1D
Entries 50
Mean 0.01357
Std Dev 1.076
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

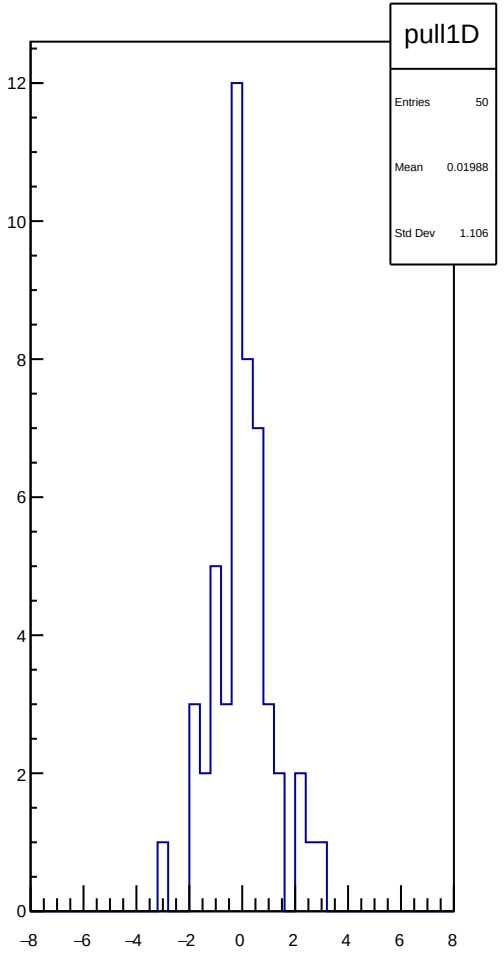

diff_bpm4ecX_rms vs run
χ² / ndf 4364 / 49
p0 1.2e+04 ± 12.33
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

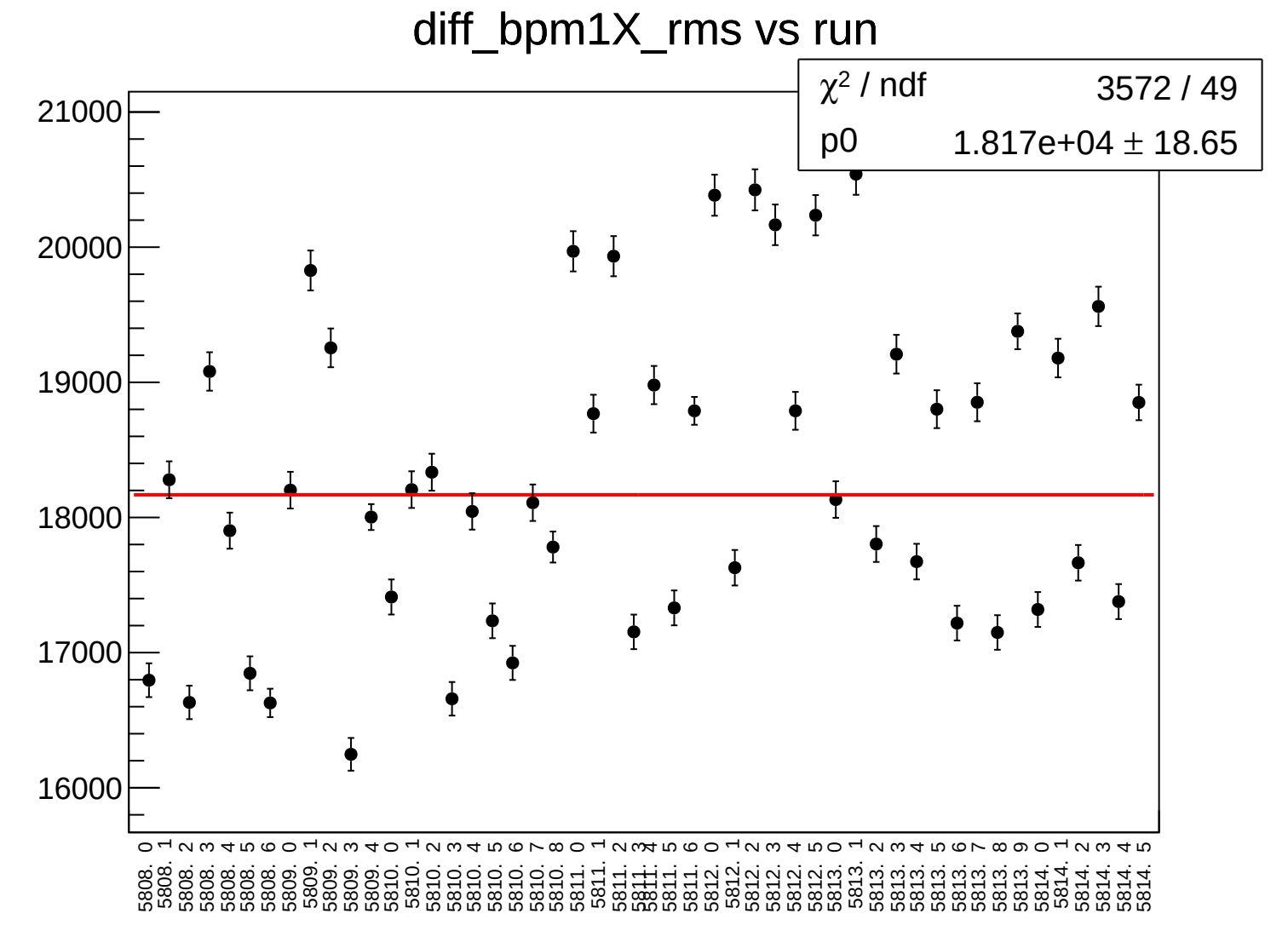

diff_bpm4ecY_mean vs run
χ² / ndf 41.26 / 49
p0 −9.751 ± 14.41
pull
Entries 50
Mean −1541
Std Dev 0

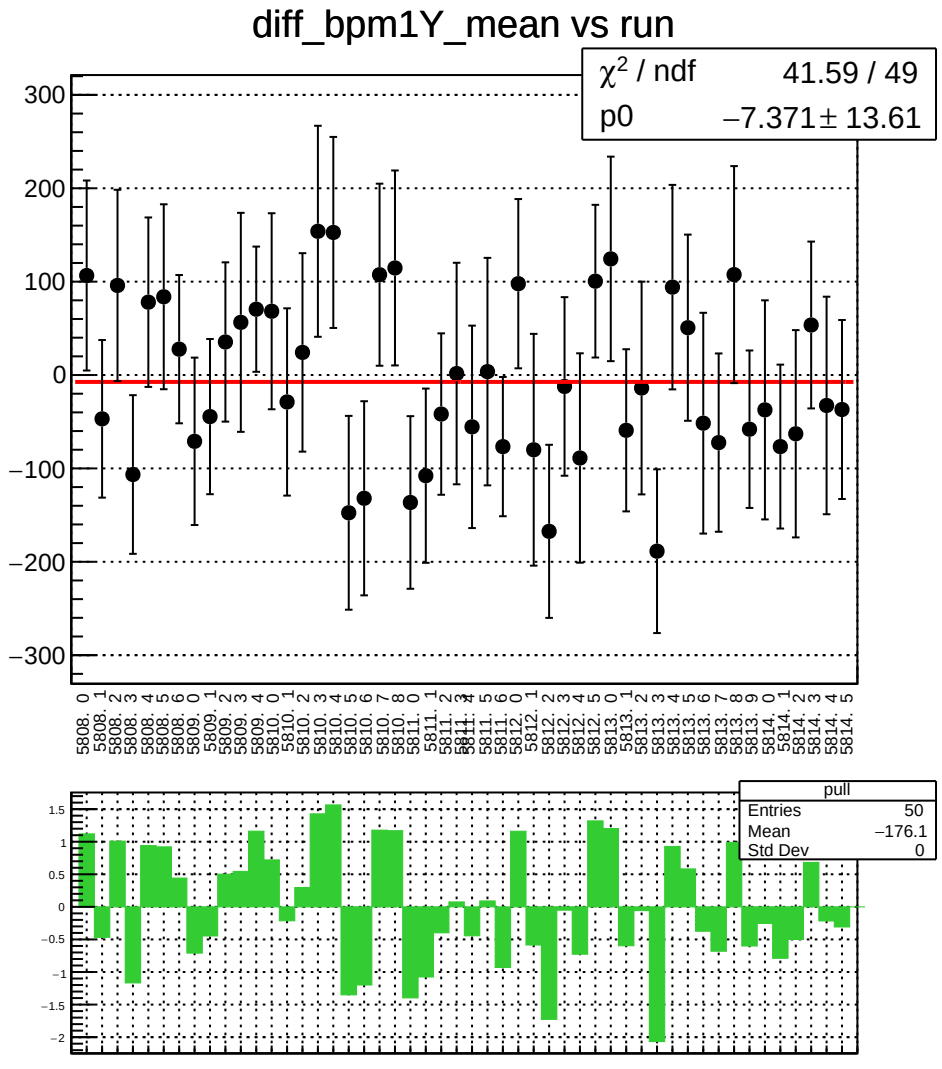

pull1D
Entries 50
Mean 0.003209
Std Dev 0.9084

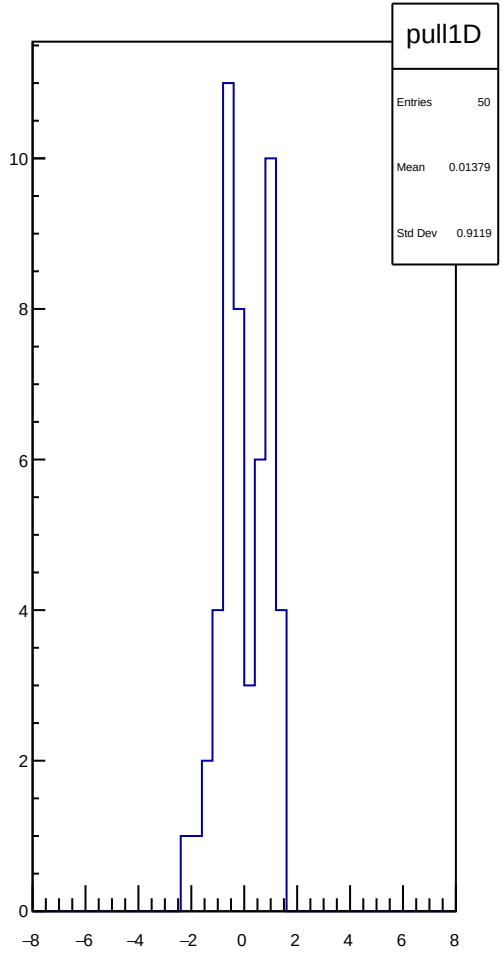

diff_bpm4ecY_rms vs run
χ² / ndf 5202 / 49
p0 9916 ± 10.19
11500
11000
10500
10000
9500
9000
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

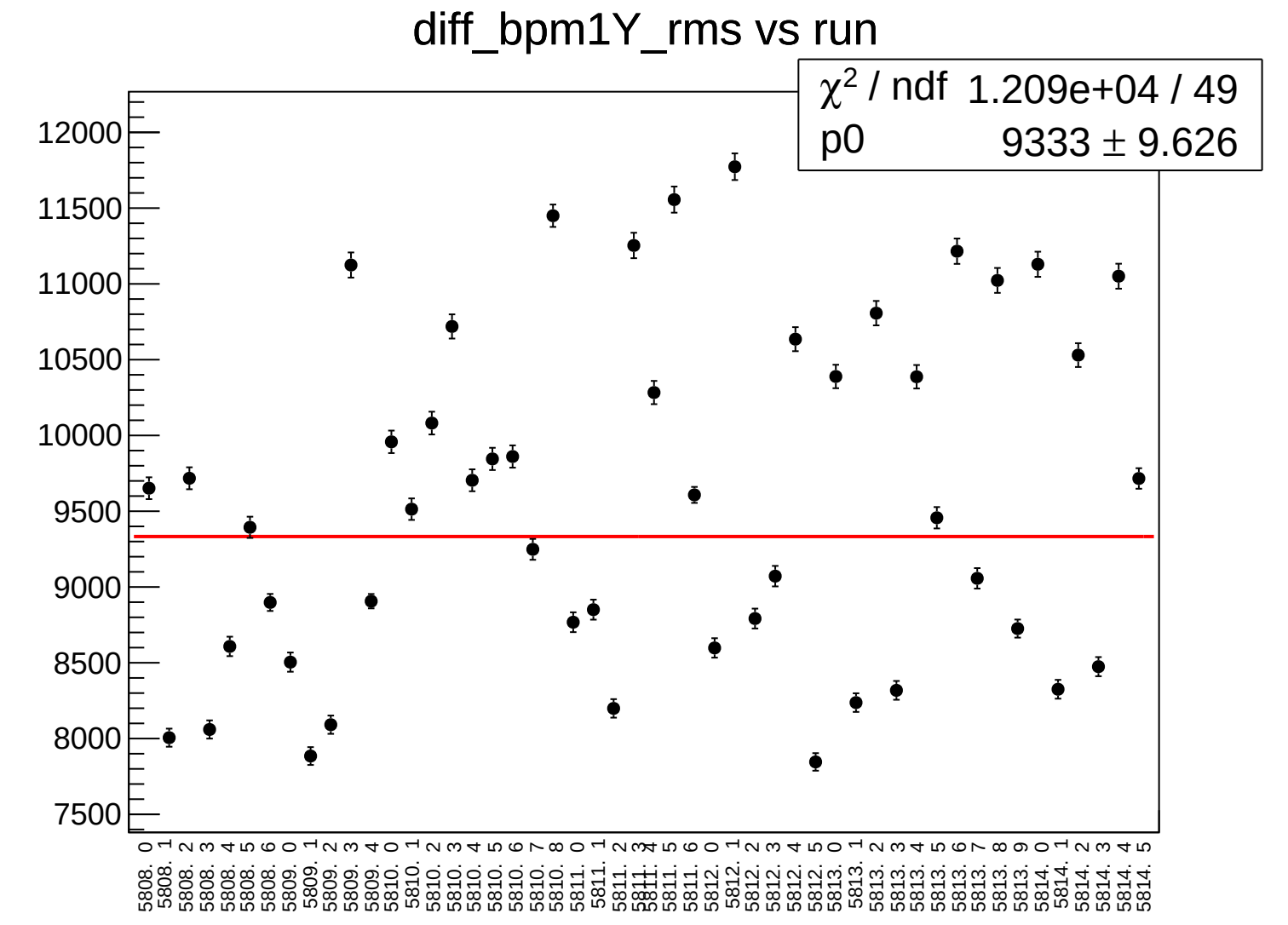

diff_bpm1X_mean vs run
χ² / ndf 61.13 / 49
p0 −61.83 ± 26.38
pull
Entries 50
Mean −210.9
Std Dev 0

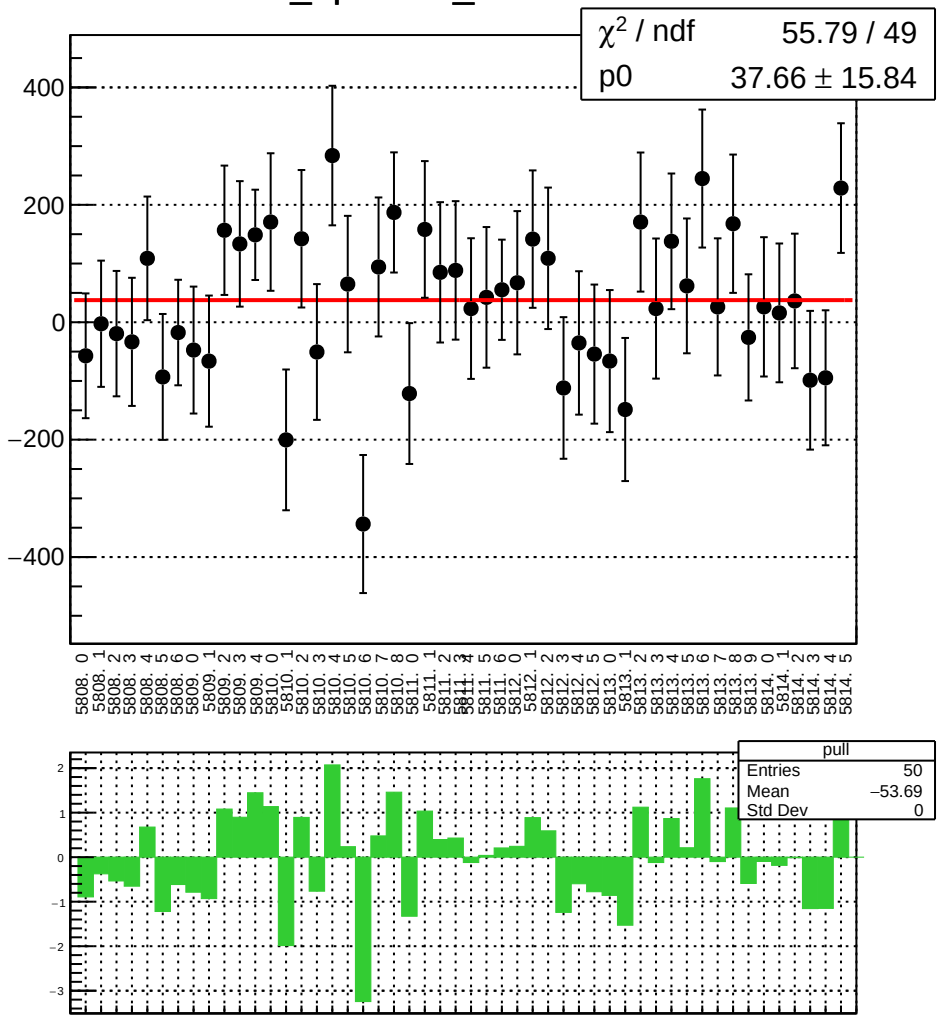

pull1D
Entries 50
Mean 0.01988
Std Dev 1.106

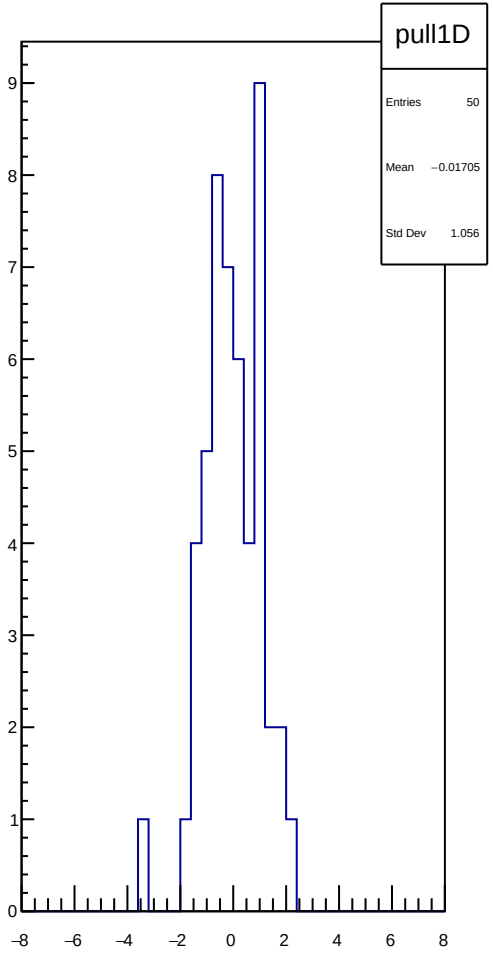

diff_bpm1X_rms vs run
χ² / ndf 3572 / 49
p0 1.817e+04 ± 18.65
21000
20000
19000
18000
17000
16000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

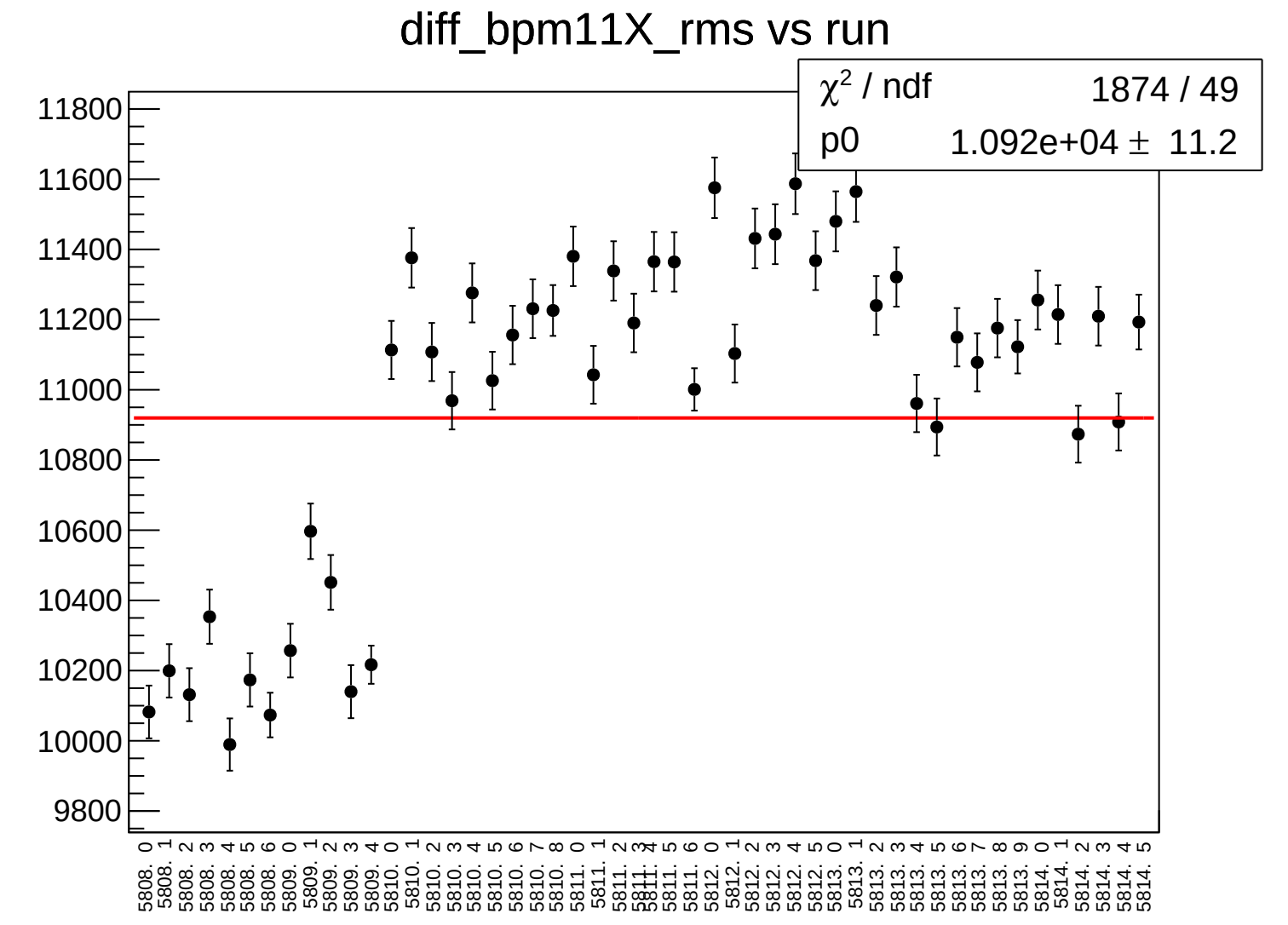

diff_bpm1Y_mean vs run
χ² / ndf 41.59 / 49
p0 −7.371 ± 13.61
300
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −176.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

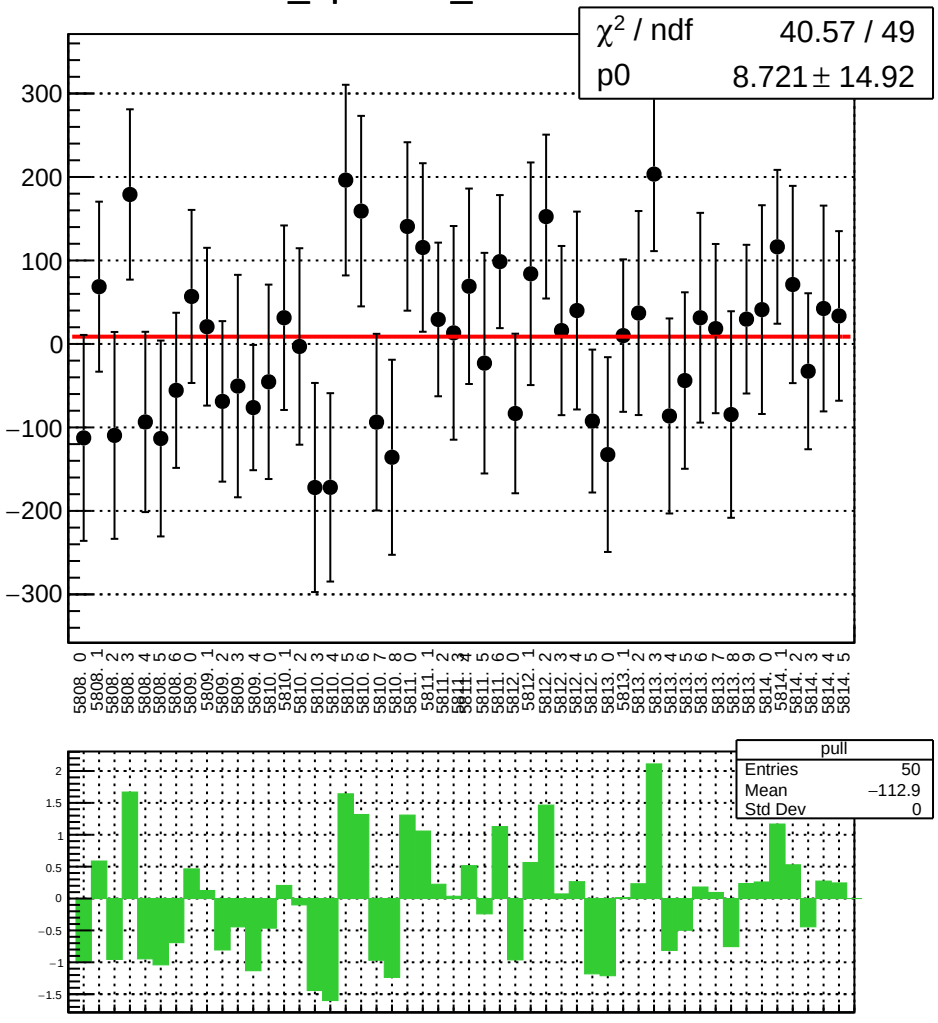

pull1D
Entries 50
Mean 0.01379
Std Dev 0.9119
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

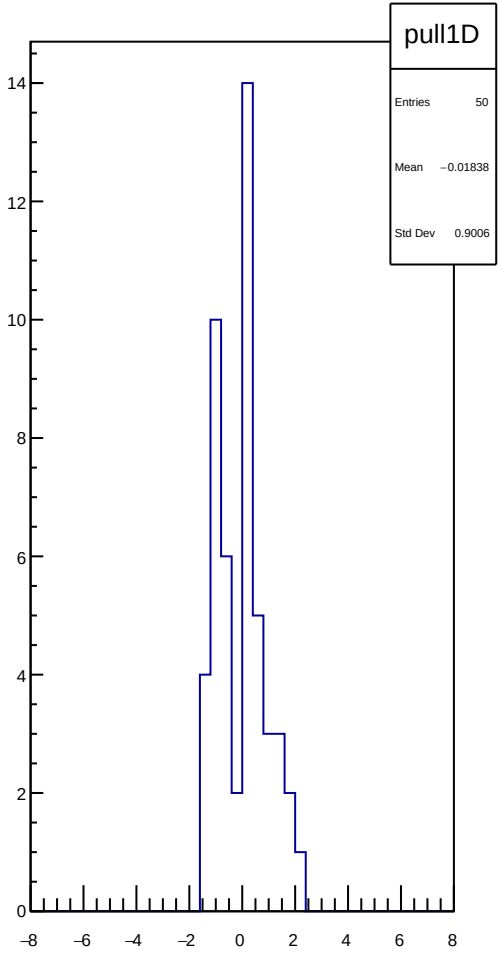

diff_bpm1Y_rms vs run
χ² / ndf 1.209e+04 / 49
p0 9333 ± 9.626
12000
11500
11000
10500
10000
9500
9000
8500
8000
7500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

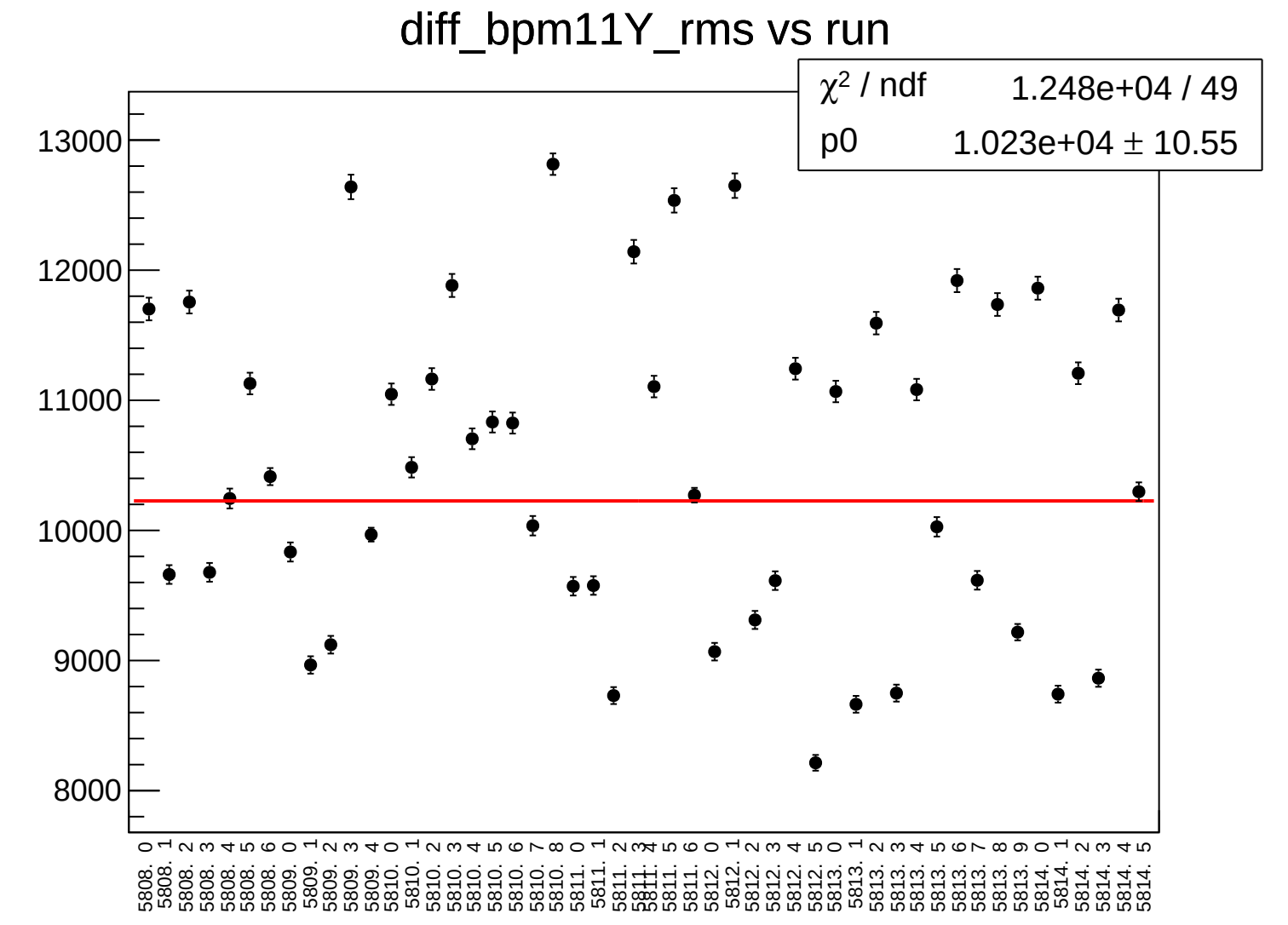

diff_bpm11X_mean vs run
χ² / ndf 55.79 / 49
p0 37.66 ± 15.84
400
200
0
−200
−400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −53.69
Std Dev 0
2
1
0
−1
−2
−3

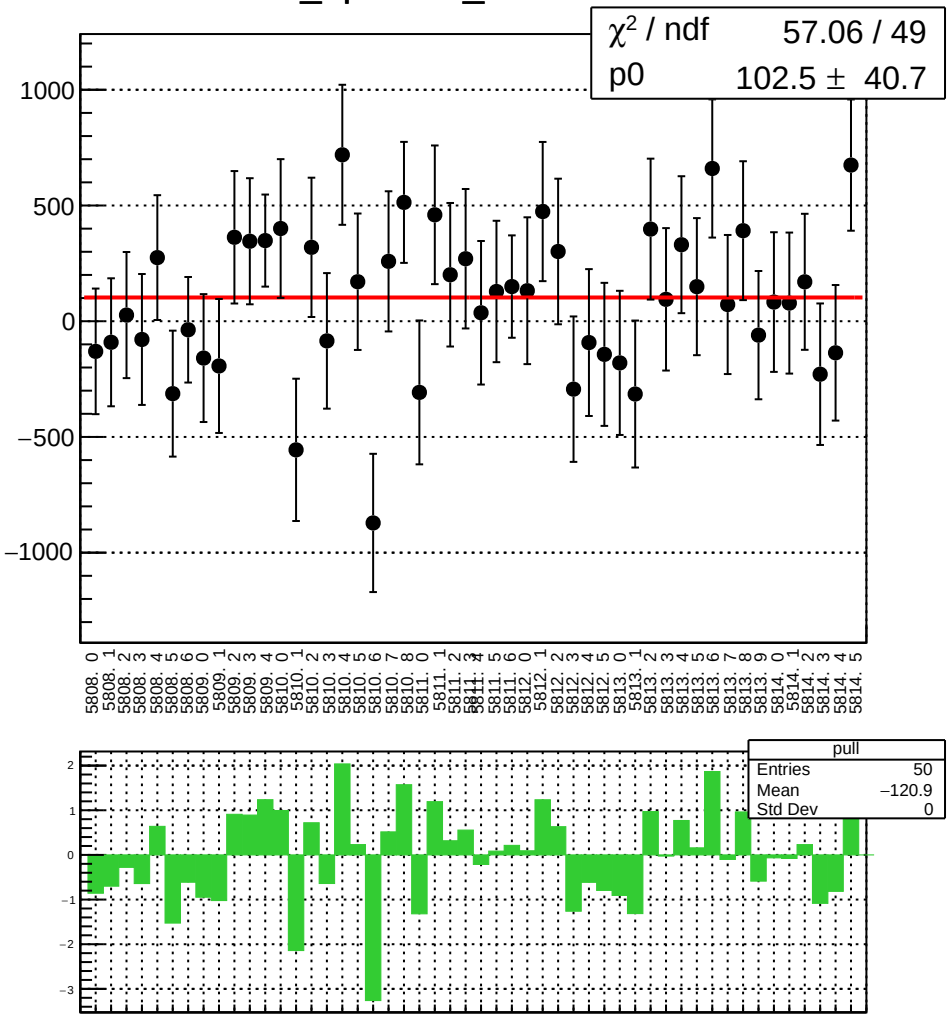

pull1D
Entries 50
Mean −0.01705
Std Dev 1.056
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

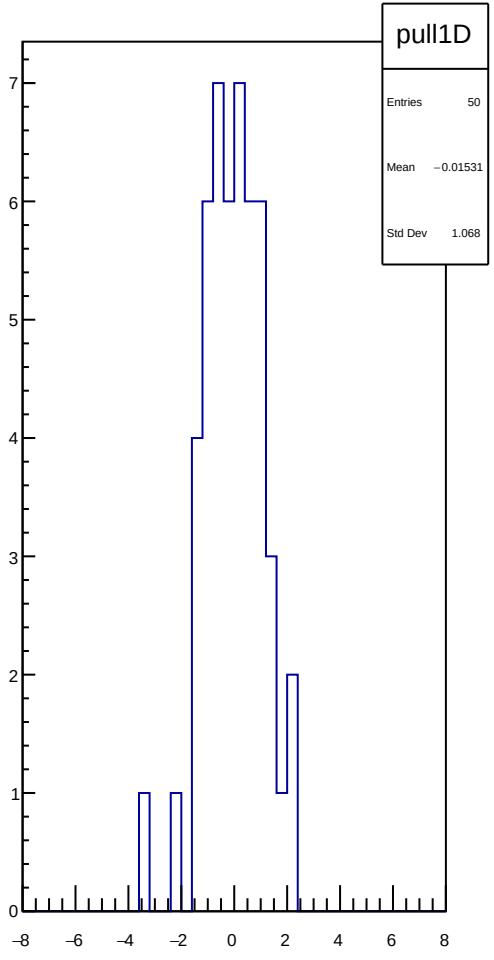

diff_bpm11X_rms vs run
χ² / ndf 1874 / 49
p0 1.092e+04 ± 11.2
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

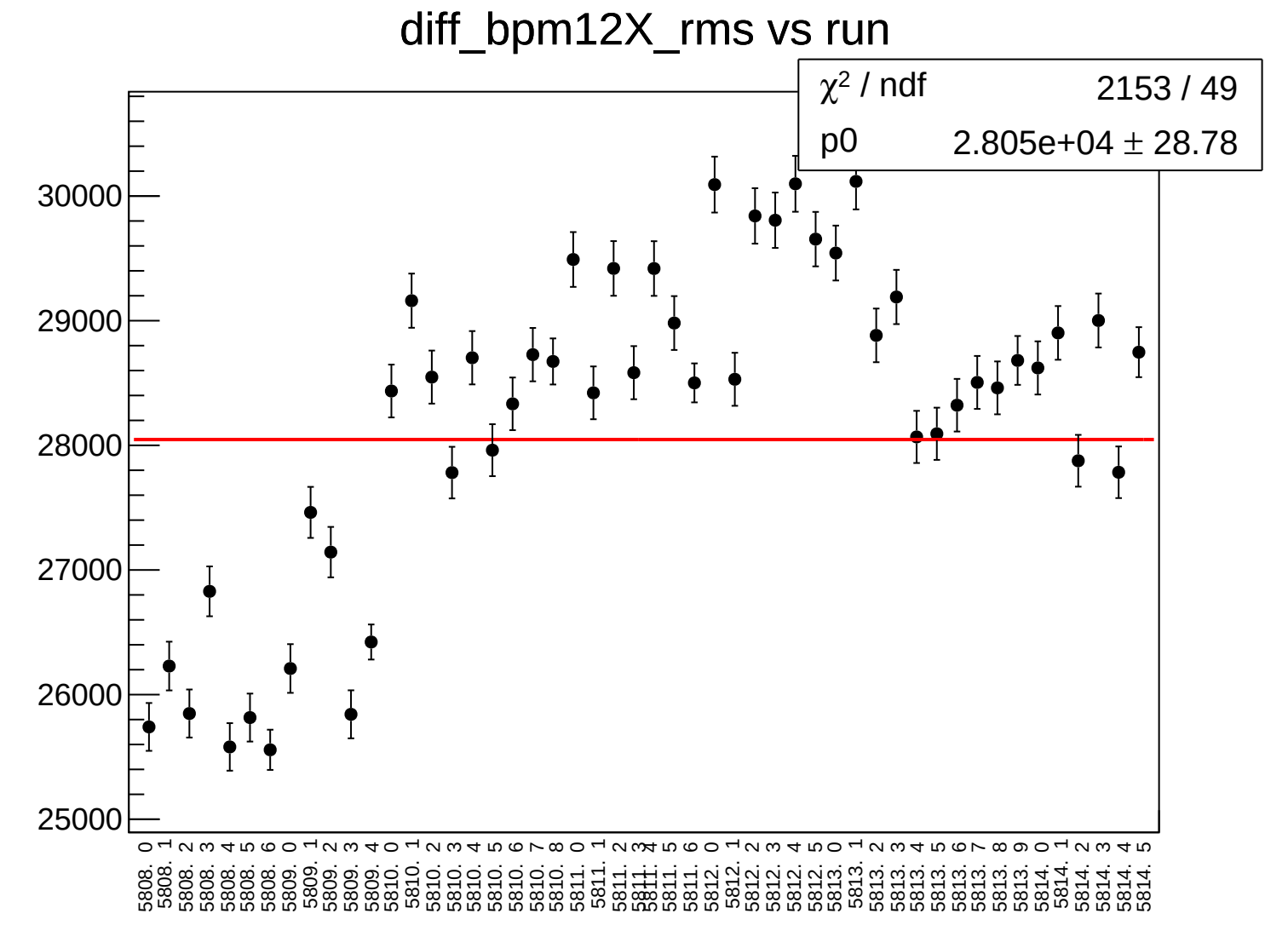

diff_bpm11Y_mean vs run
χ² / ndf 40.57 / 49
p0 8.721 ± 14.92
pull
Entries 50
Mean −112.9
Std Dev 0

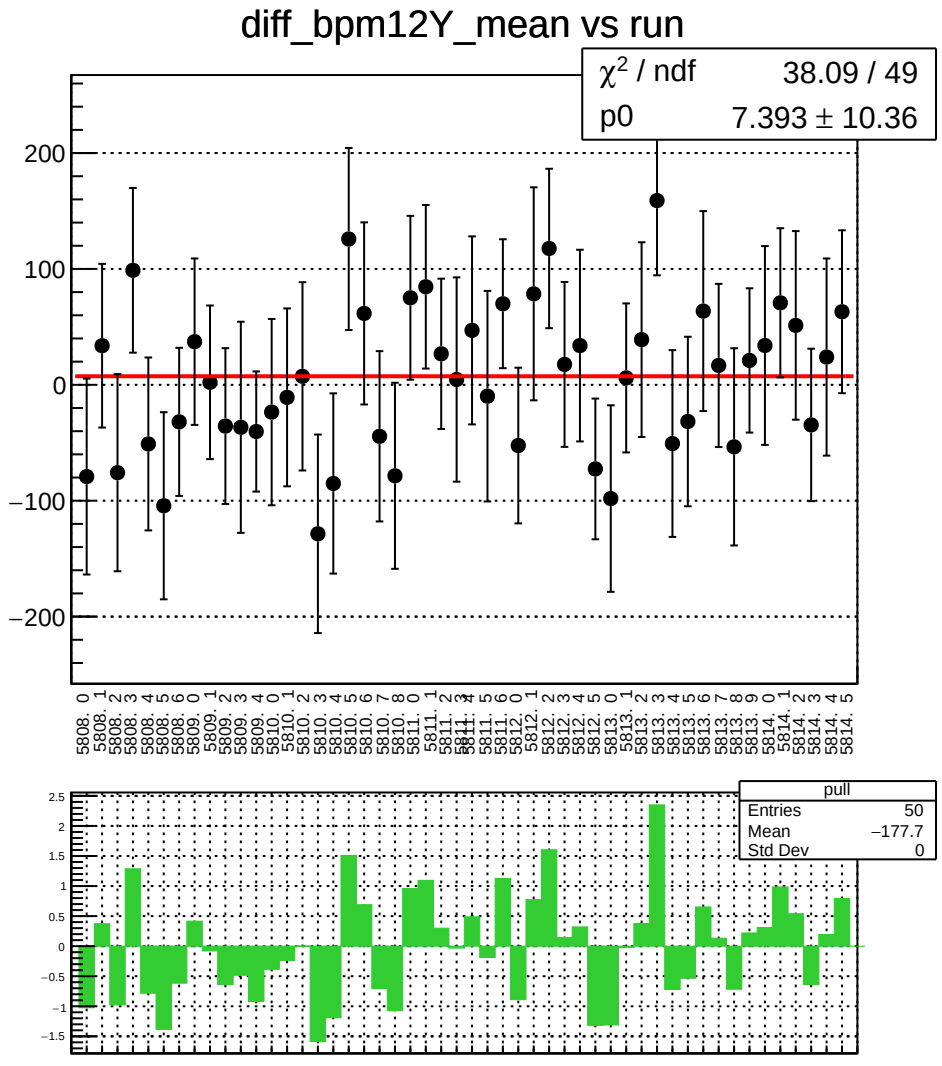

pull1D
Entries 50
Mean −0.01838
Std Dev 0.9006

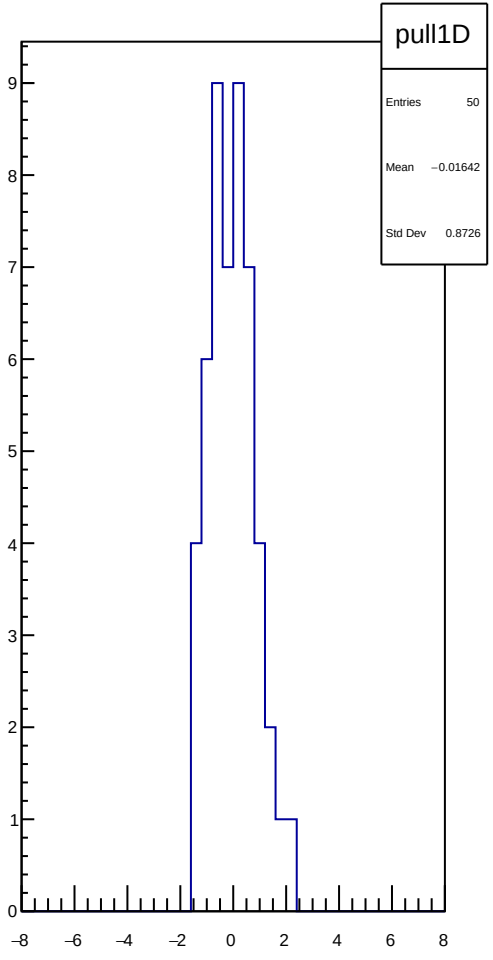

diff_bpm11Y_rms vs run
χ² / ndf 1.248e+04 / 49
p0 1.023e+04 ± 10.55
13000
12000
11000
10000
9000
8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm12X_mean vs run
χ² / ndf 57.06 / 49
p0 102.5 ± 40.7
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −120.9
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.01531
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm12X_rms vs run
χ² / ndf 2153 / 49
p0 2.805e+04 ± 28.78
30000
29000
28000
27000
26000
25000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm12Y_mean vs run
χ² / ndf 38.09 / 49
p0 7.393 ± 10.36
200
100
0
−100
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −177.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.01642
Std Dev 0.8726
9
8
7
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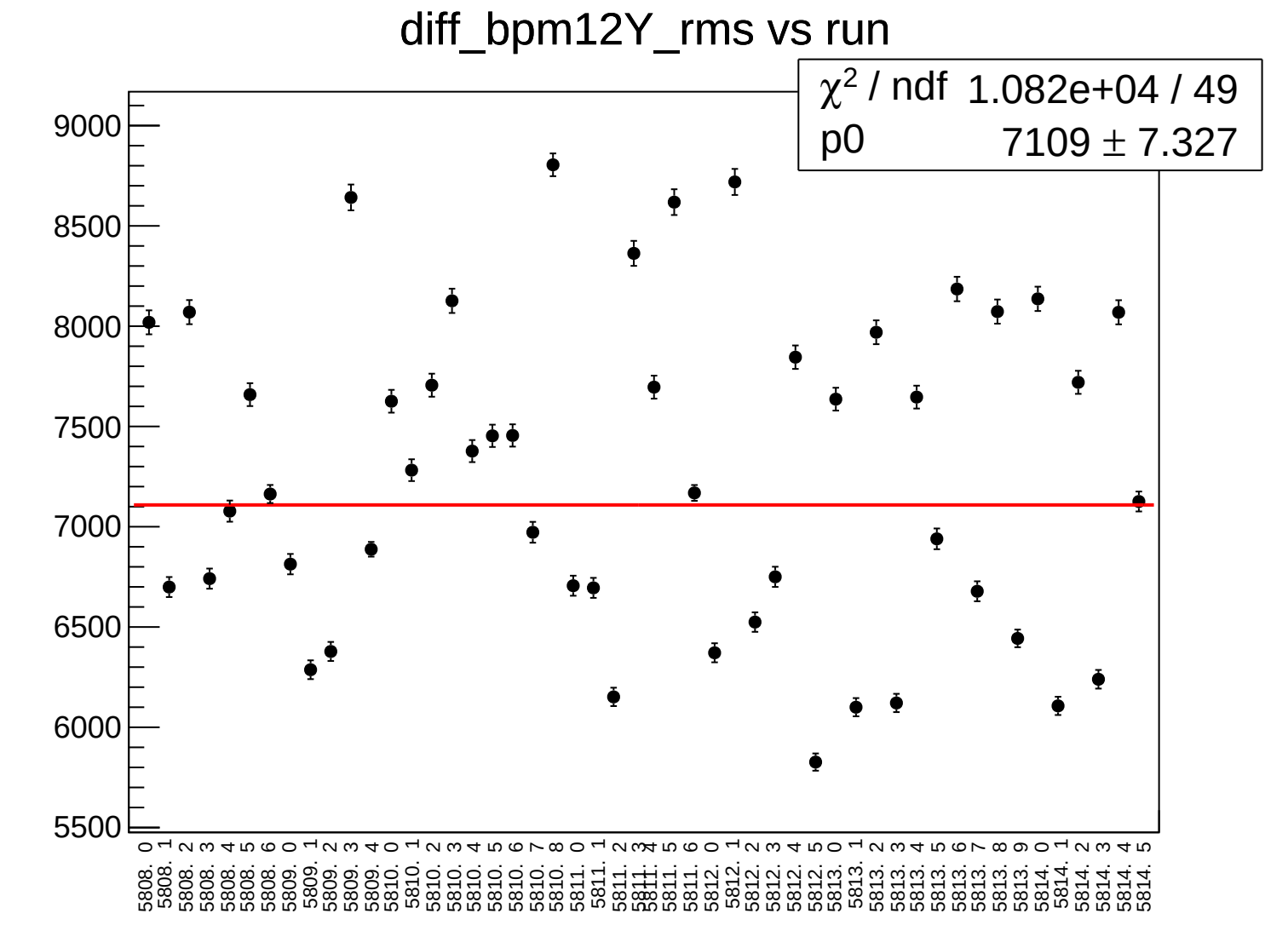
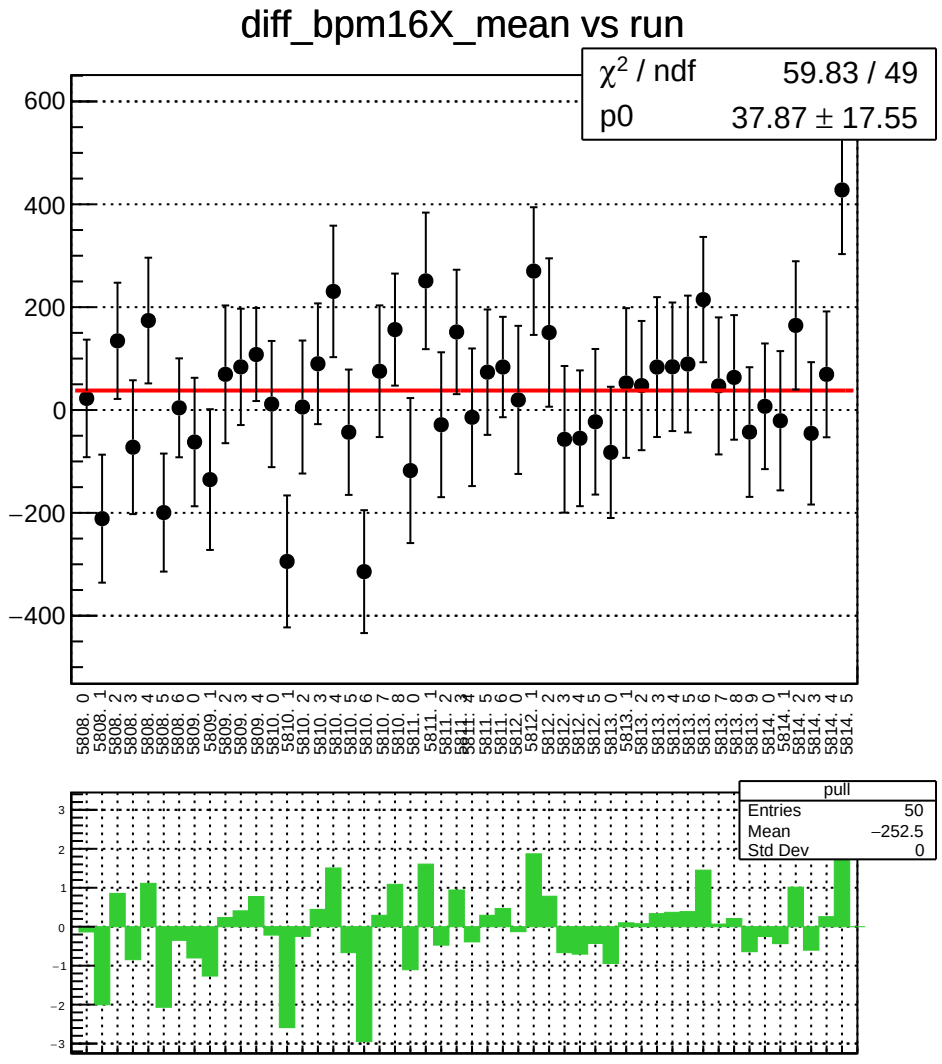
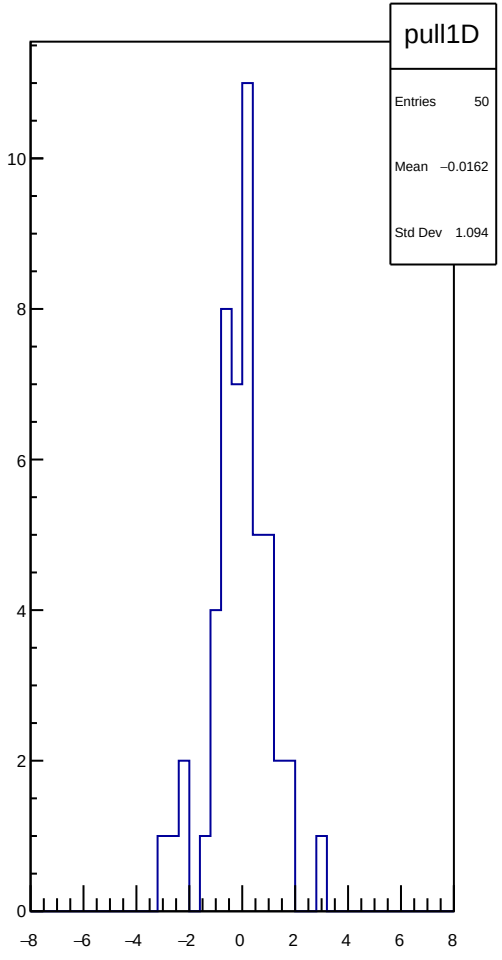
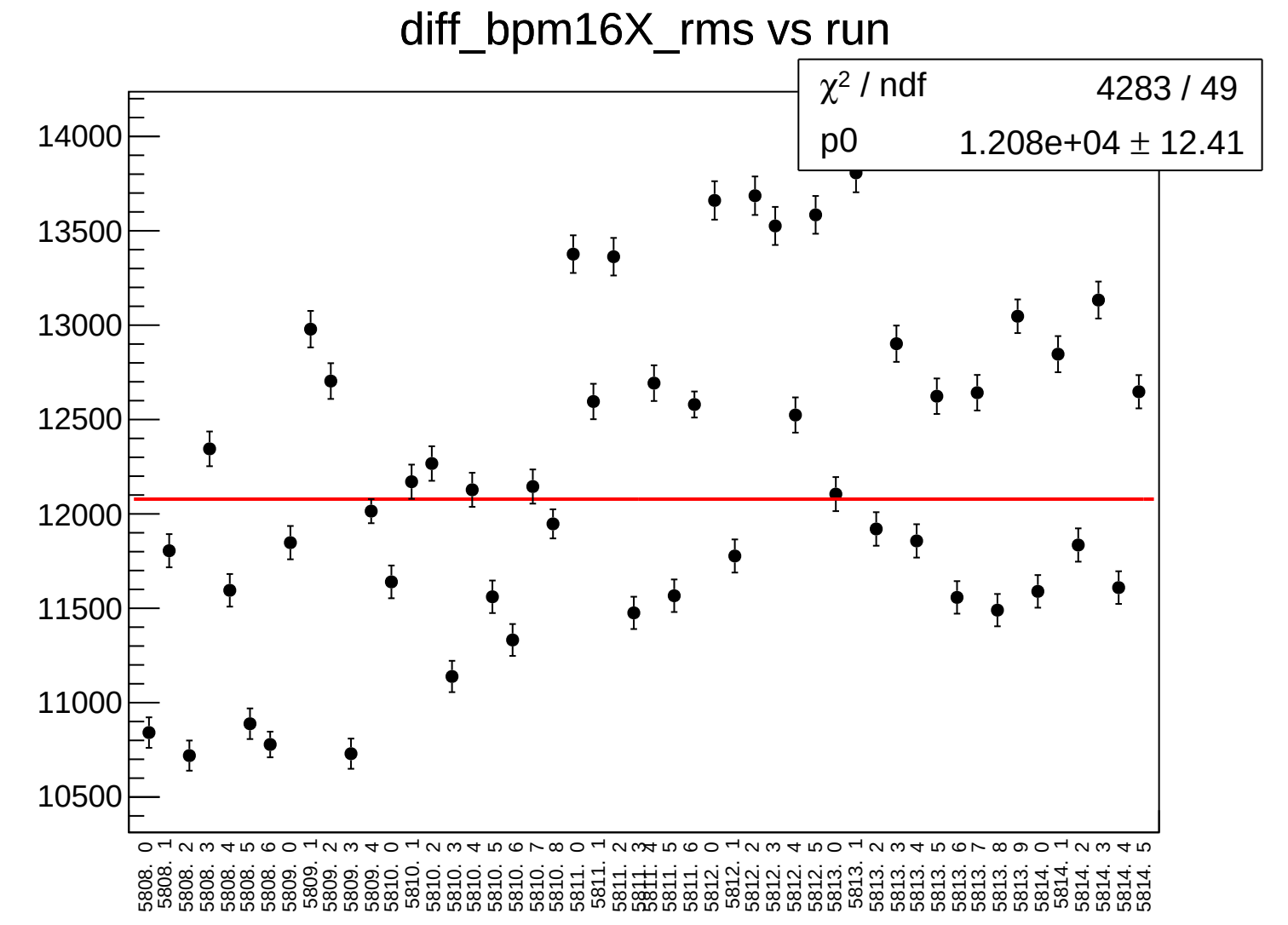
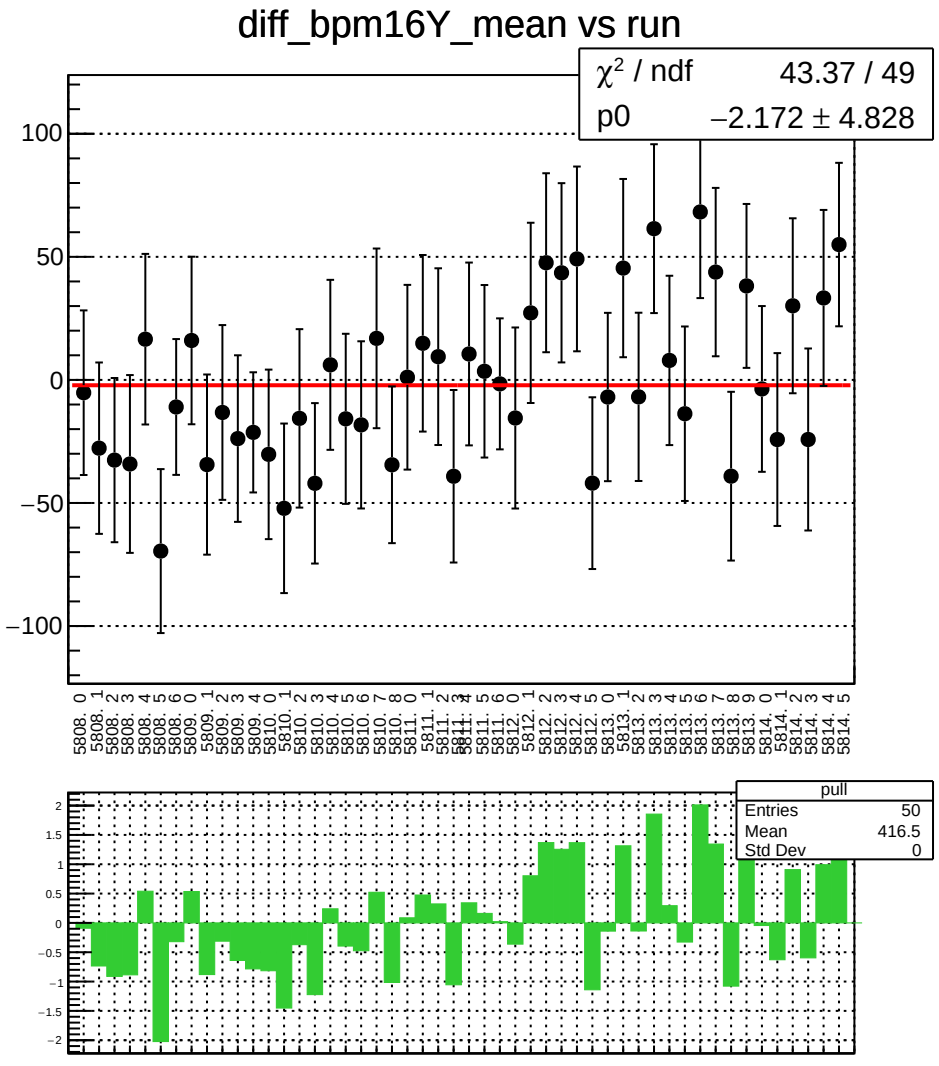
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

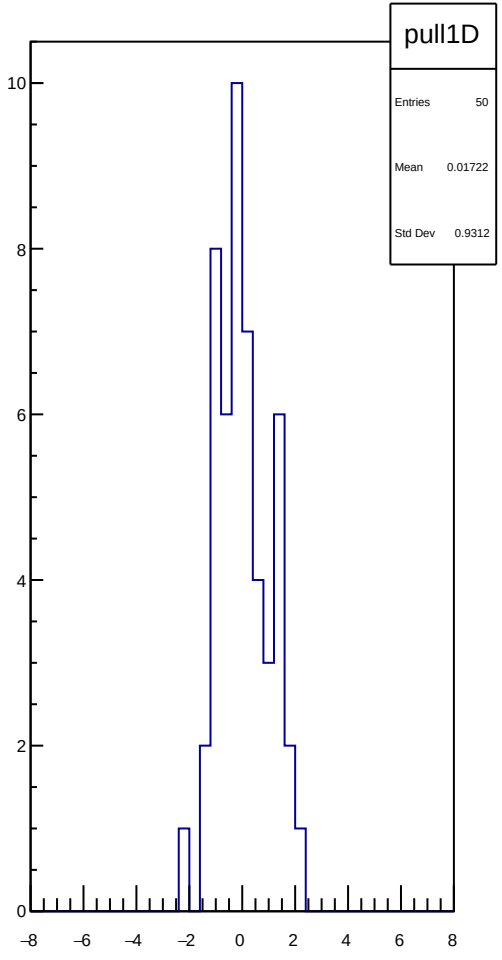

diff_bpm12Y_rms vs run
χ² / ndf 1.082e+04 / 49
p0 7109 ± 7.327
9000
8500
8000
7500
7000
6500
6000
5500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

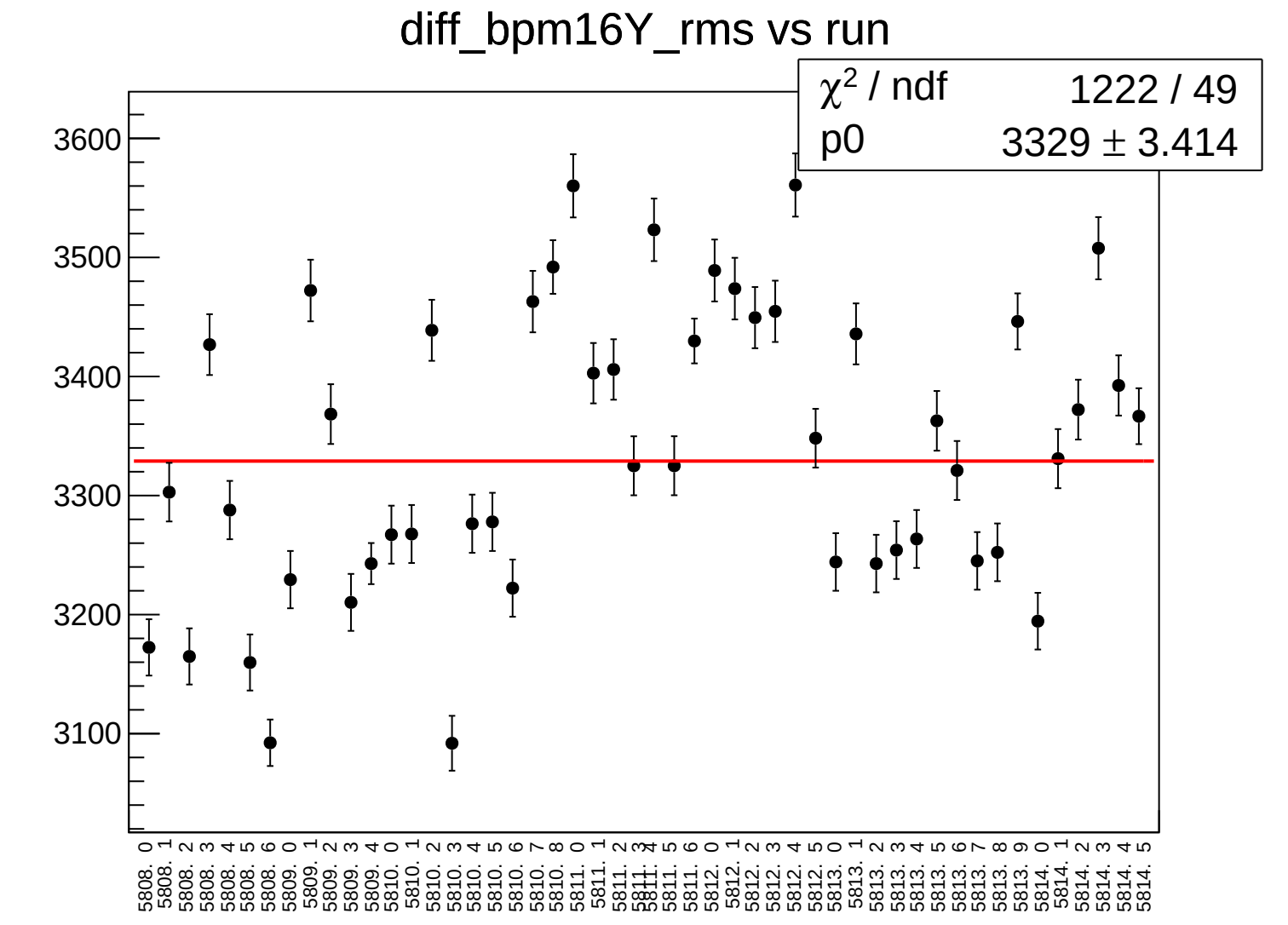

diff_bpm16X_mean vs run
χ² / ndf 59.83 / 49
p0 37.87 ± 17.55
600
400
200
0
−200
−400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −252.5
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.0162
Std Dev 1.094
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm16X_rms vs run
χ² / ndf 4283 / 49
p0 1.208e+04 ± 12.41
14000
13500
13000
12500
12000
11500
11000
10500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm16Y_mean vs run
χ² / ndf 43.37 / 49
p0 −2.172 ± 4.828
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 416.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.01722
Std Dev 0.9312
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm16Y_rms vs run
χ² / ndf 1222 / 49
p0 3329 ± 3.414
3600
3500
3400
3300
3200
3100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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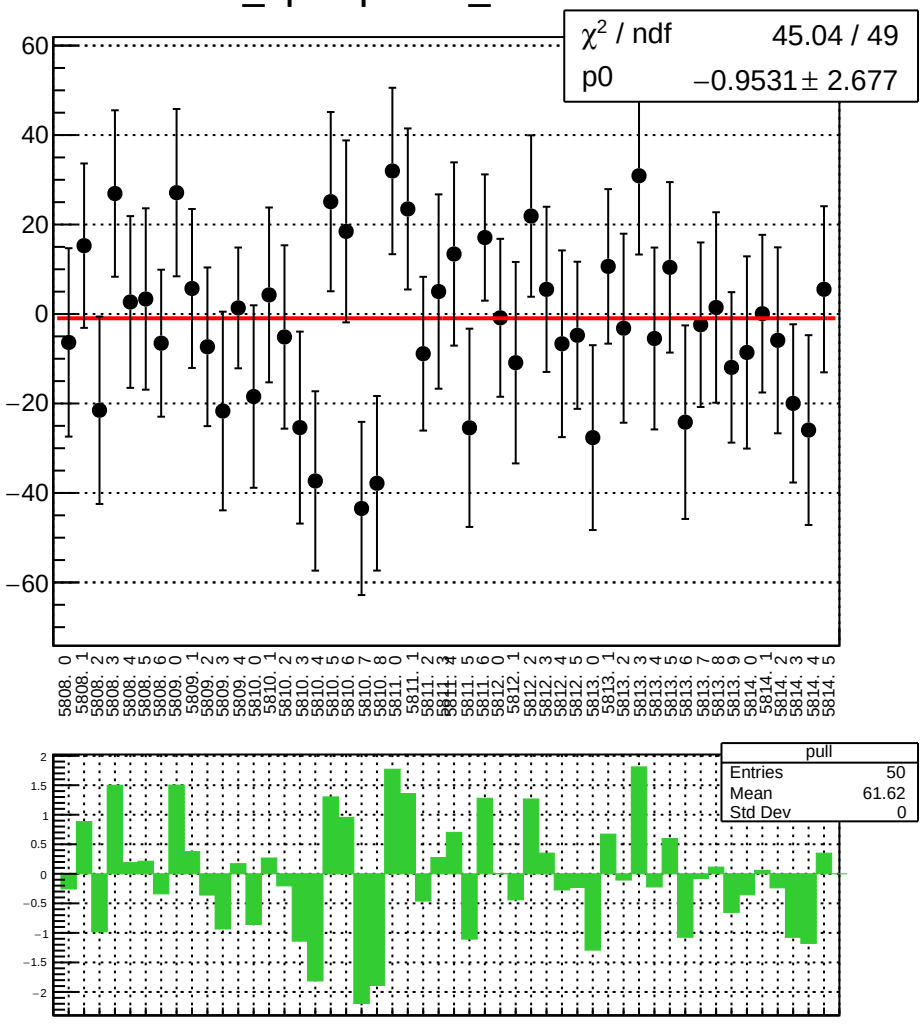
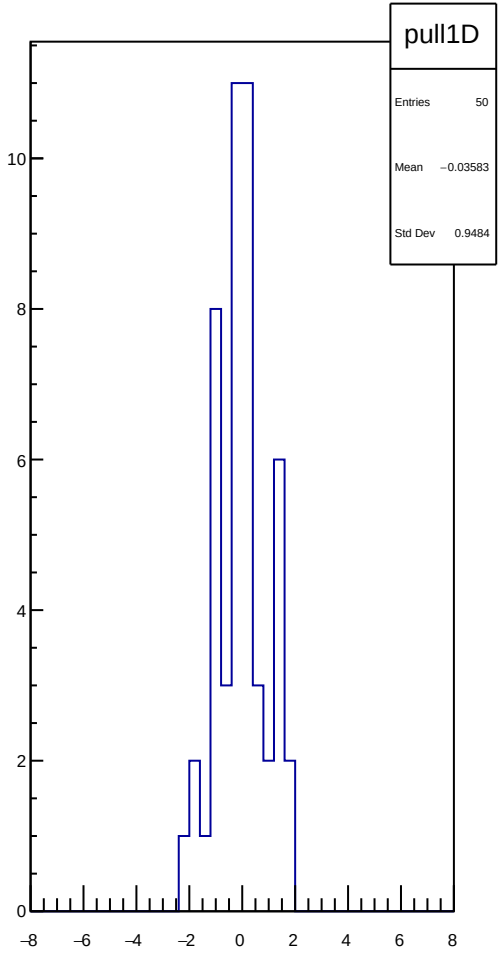
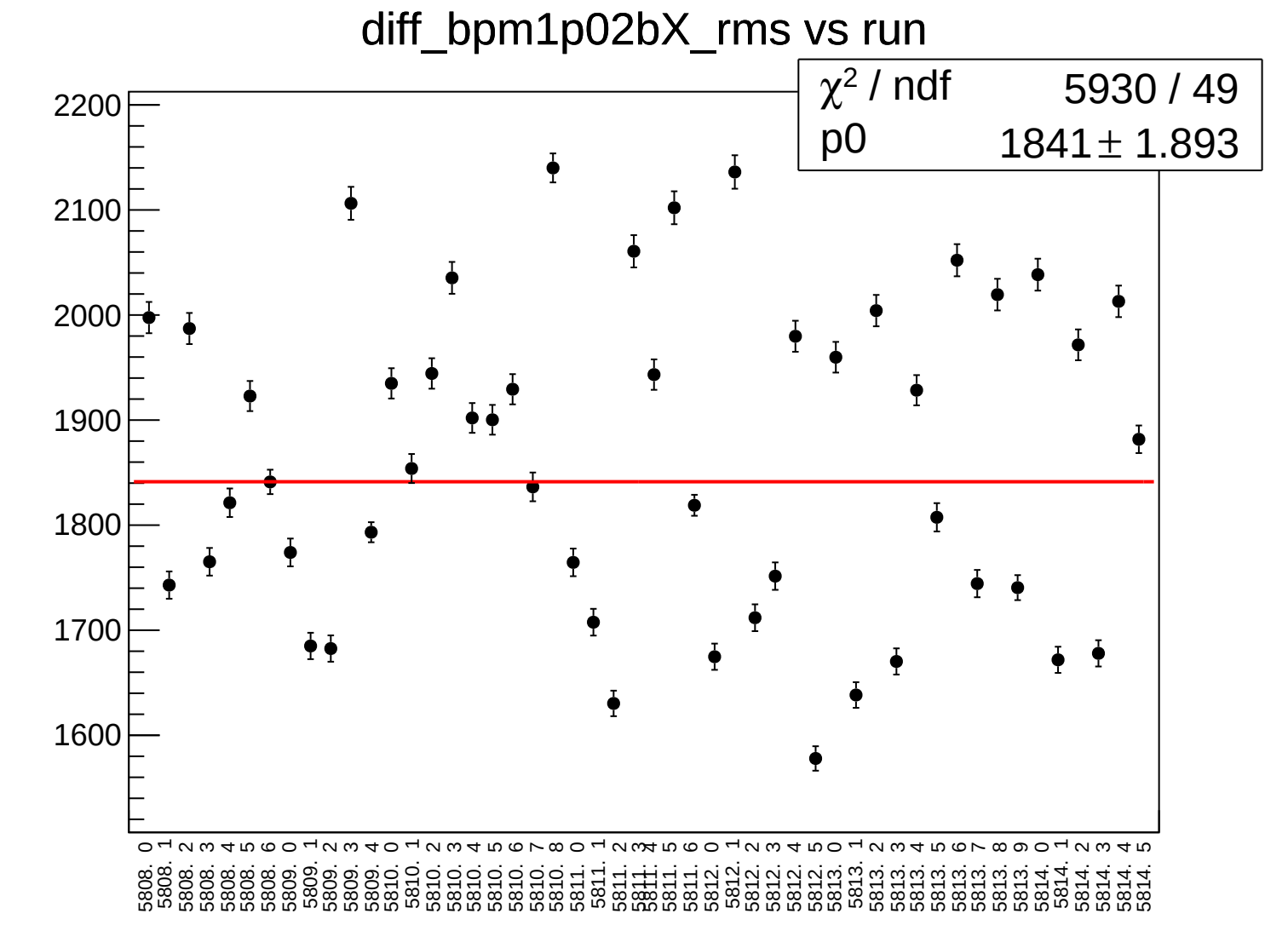
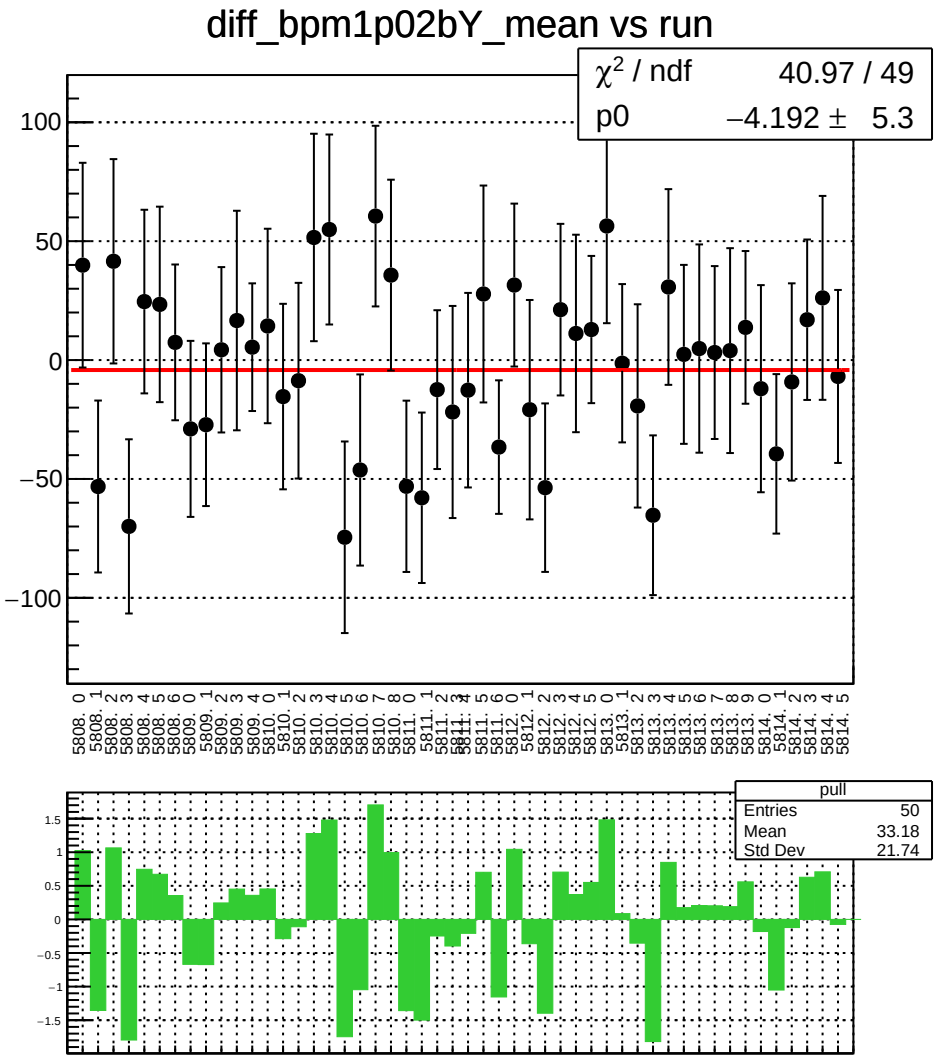
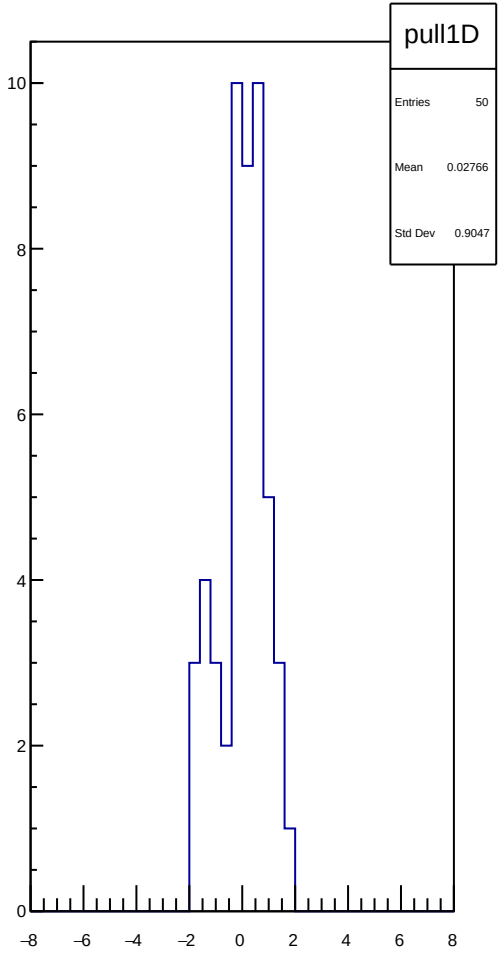
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

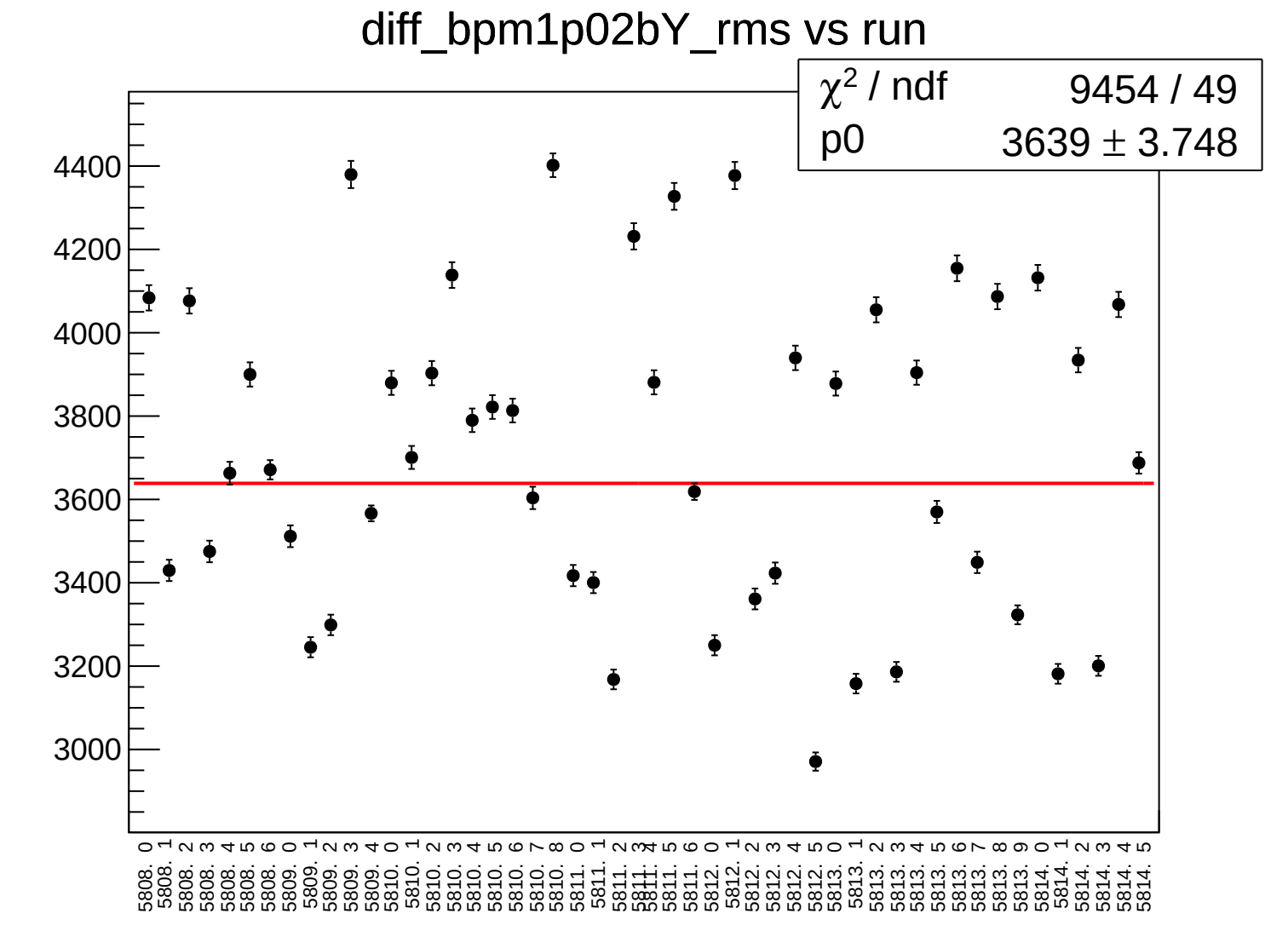

diff_bpm1p02bX_mean vs run
χ² / ndf 45.04 / 49
p0 −0.9531 ± 2.677
pull
Entries 50
Mean 61.62
Std Dev 0

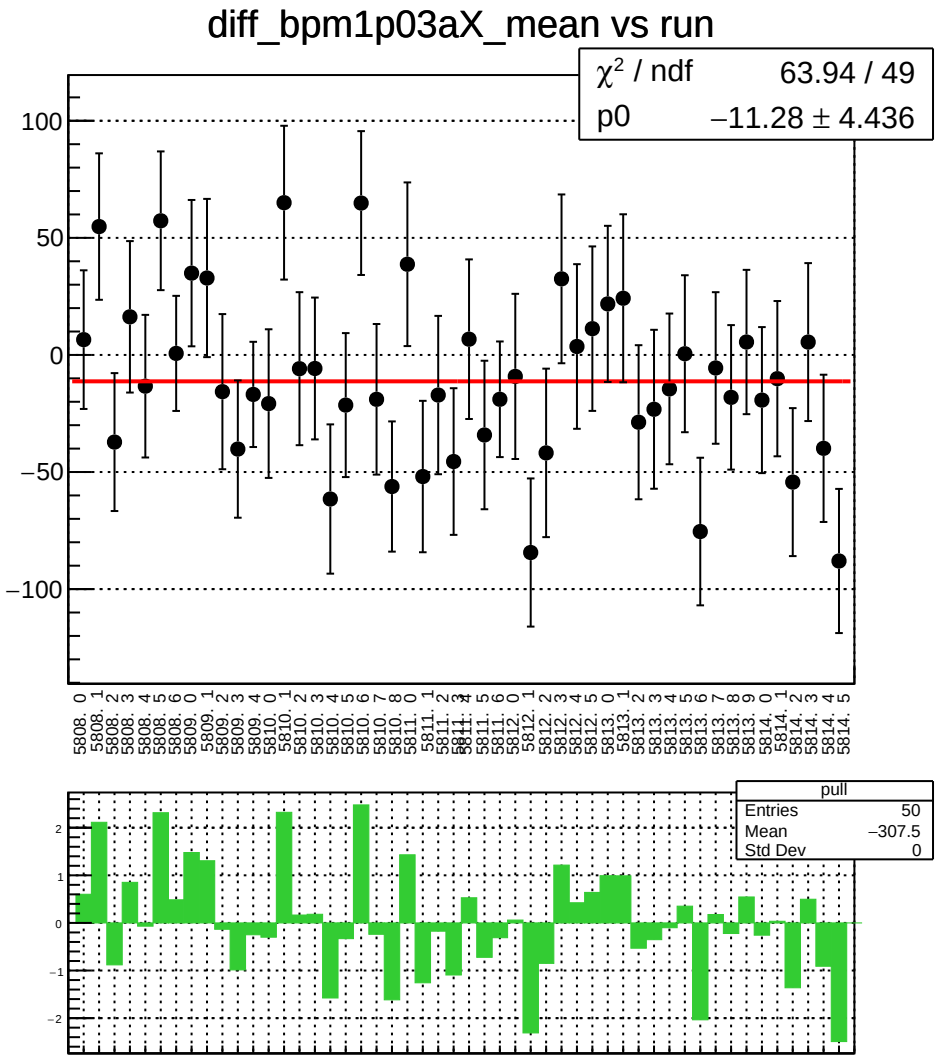

pull1D
Entries 50
Mean −0.03583
Std Dev 0.9484

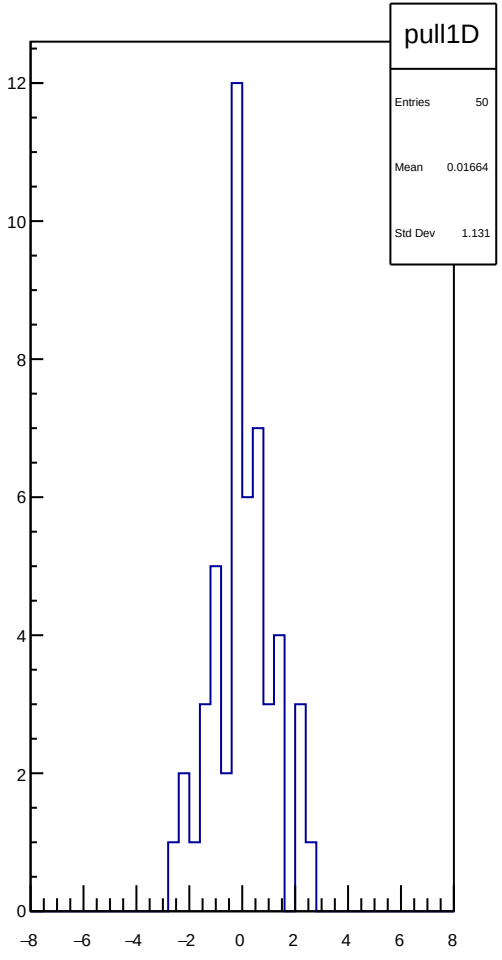

diff_bpm1p02bX_rms vs run
χ² / ndf 5930 / 49
p0 1841 ± 1.893
2200
2100
2000
1900
1800
1700
1600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

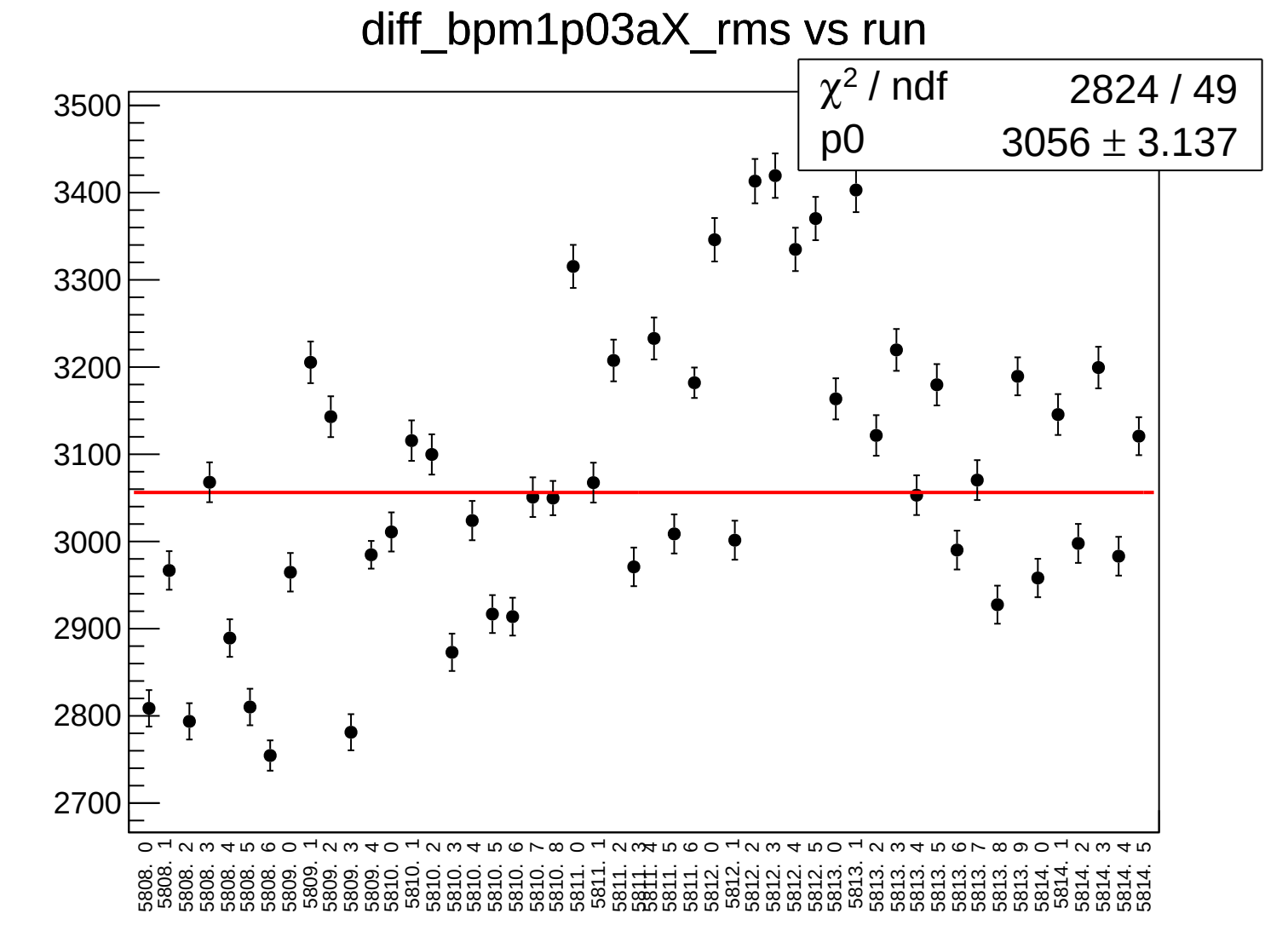

diff_bpm1p02bY_mean vs run
χ² / ndf 40.97 / 49
p0 −4.192 ± 5.3
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 33.18
Std Dev 21.74
1.5
1
0.5
0
−0.5
−1
−1.5

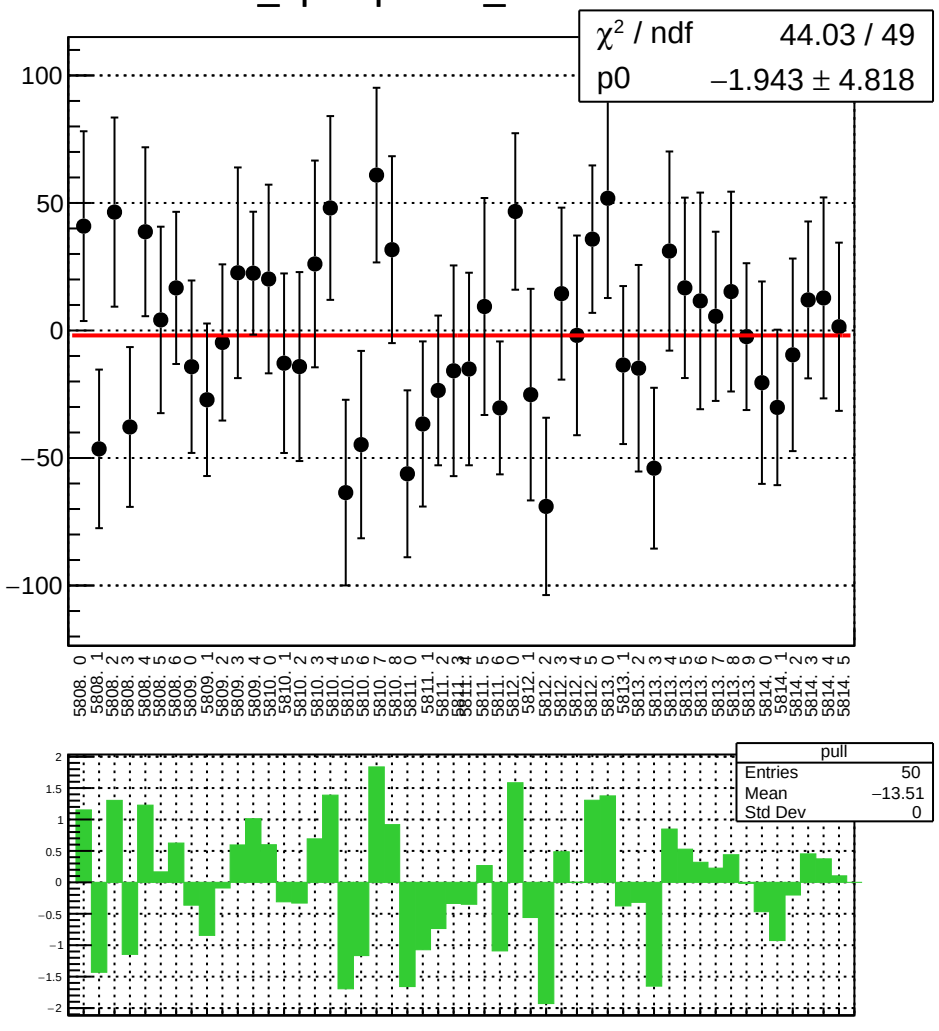

pull1D
Entries 50
Mean 0.02766
Std Dev 0.9047
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

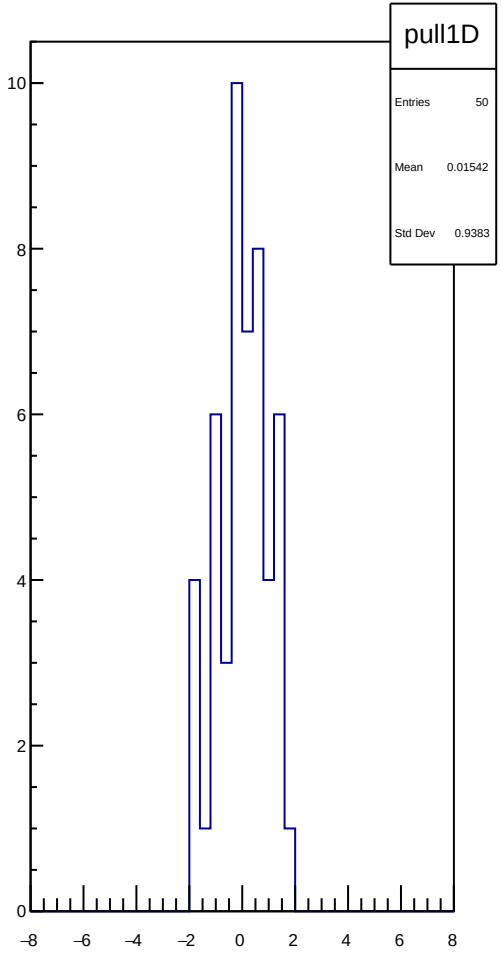

diff_bpm1p02bY_rms vs run
χ² / ndf 9454 / 49
p0 3639 ± 3.748
4400
4200
4000
3800
3600
3400
3200
3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

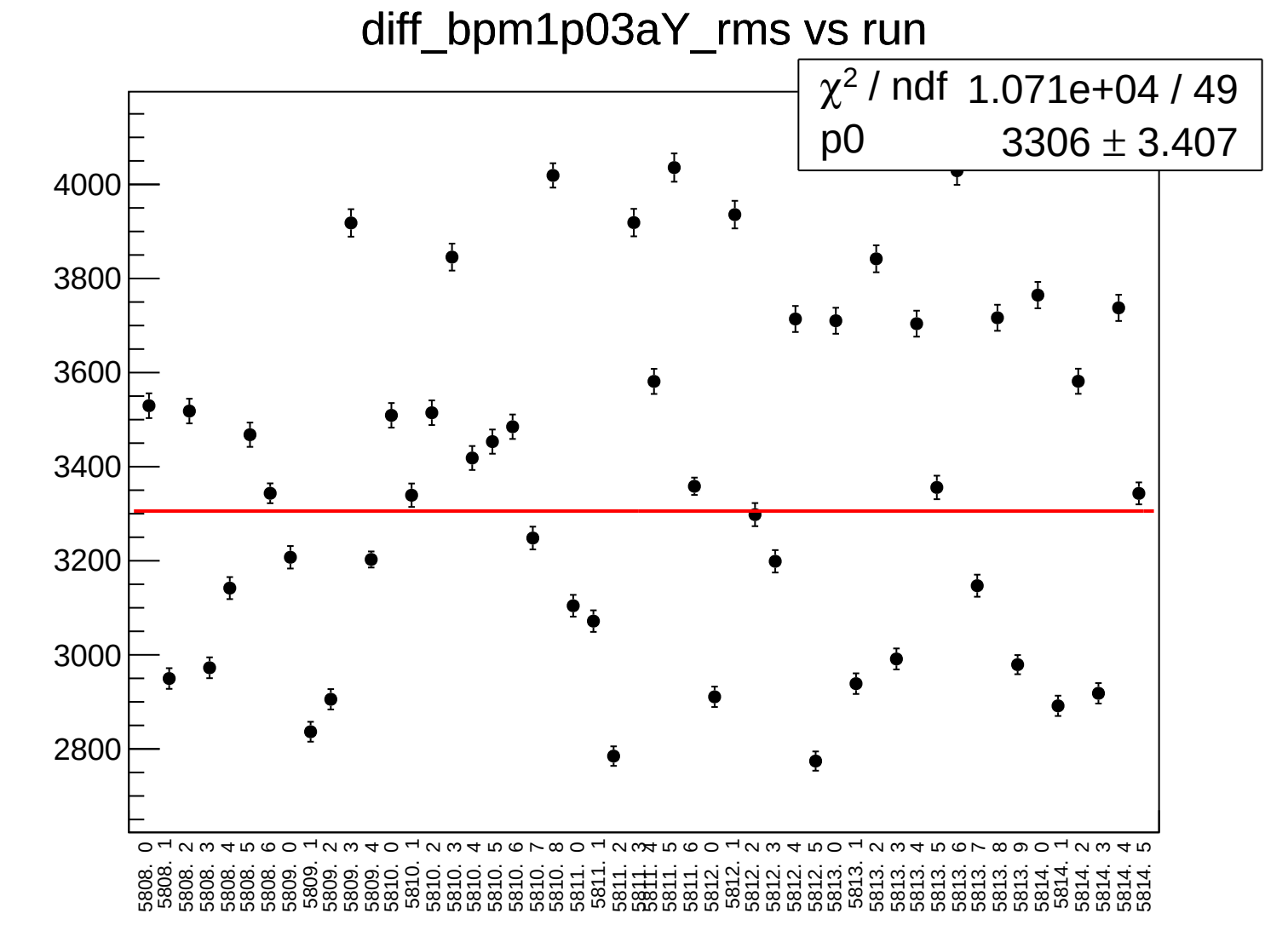

diff_bpm1p03aX_mean vs run
χ² / ndf 63.94 / 49
p0 −11.28 ± 4.436
100
50
0
−50
−100
pull
Entries 50
Mean −307.5
Std Dev 0
2
1
0
−1
−2

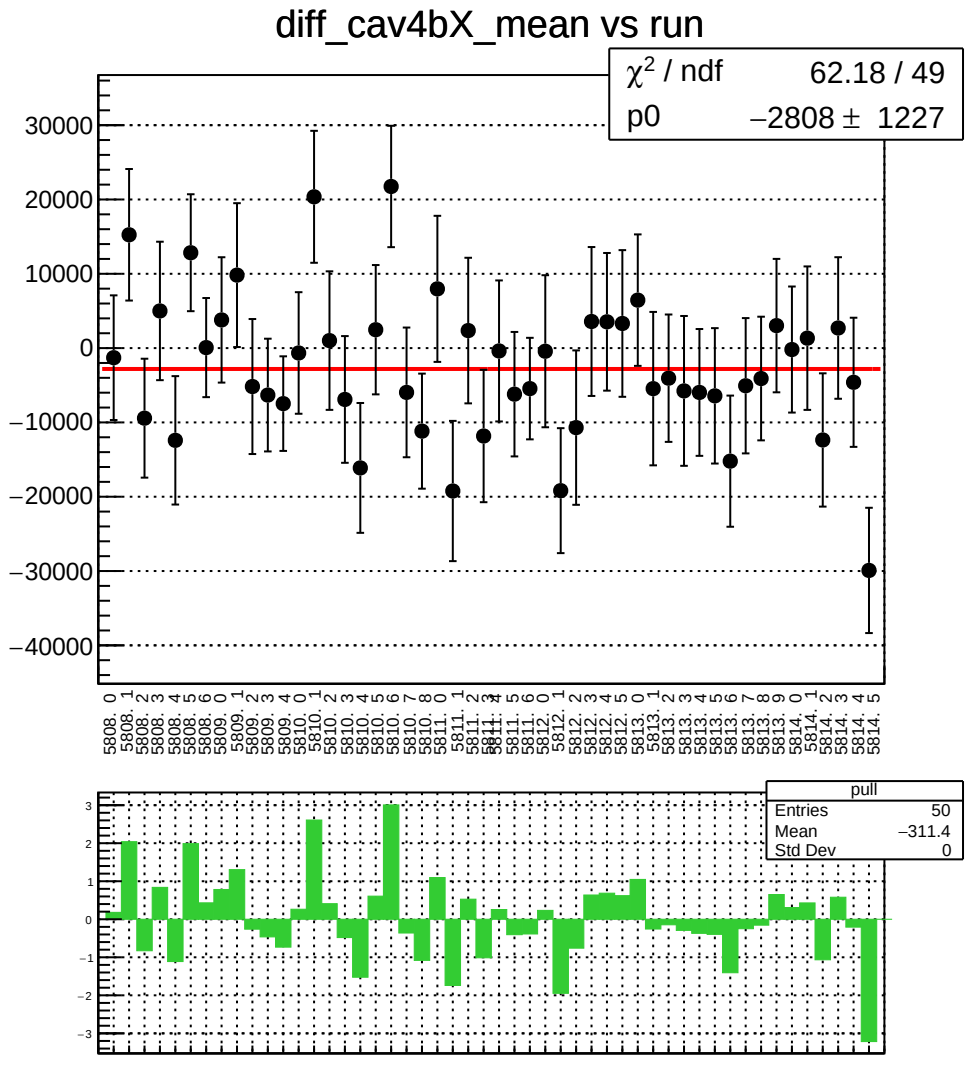

pull1D
Entries 50
Mean 0.01664
Std Dev 1.131
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

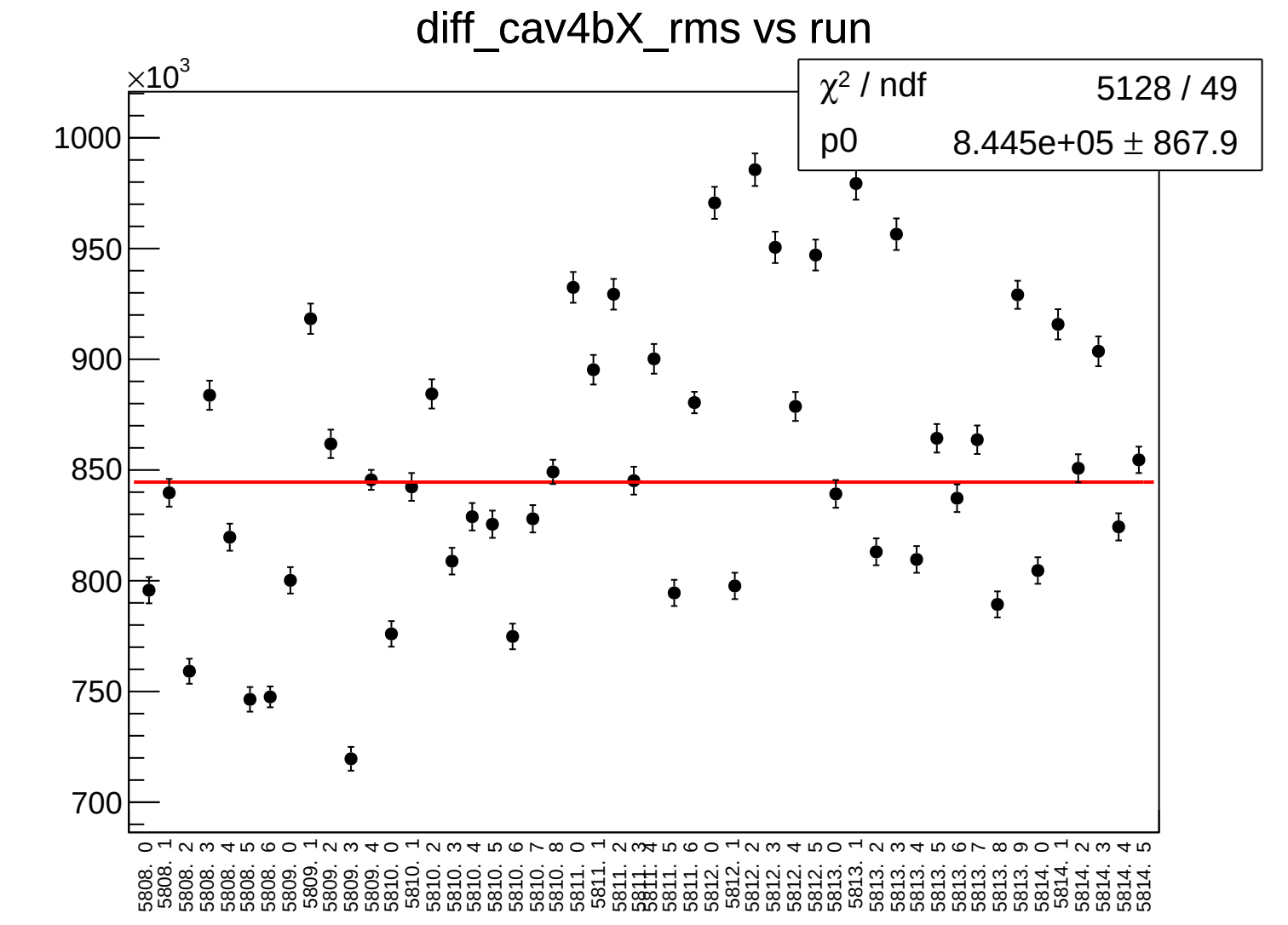

diff_bpm1p03aX_rms vs run
χ² / ndf 2824 / 49
p0 3056 ± 3.137
3500
3400
3300
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

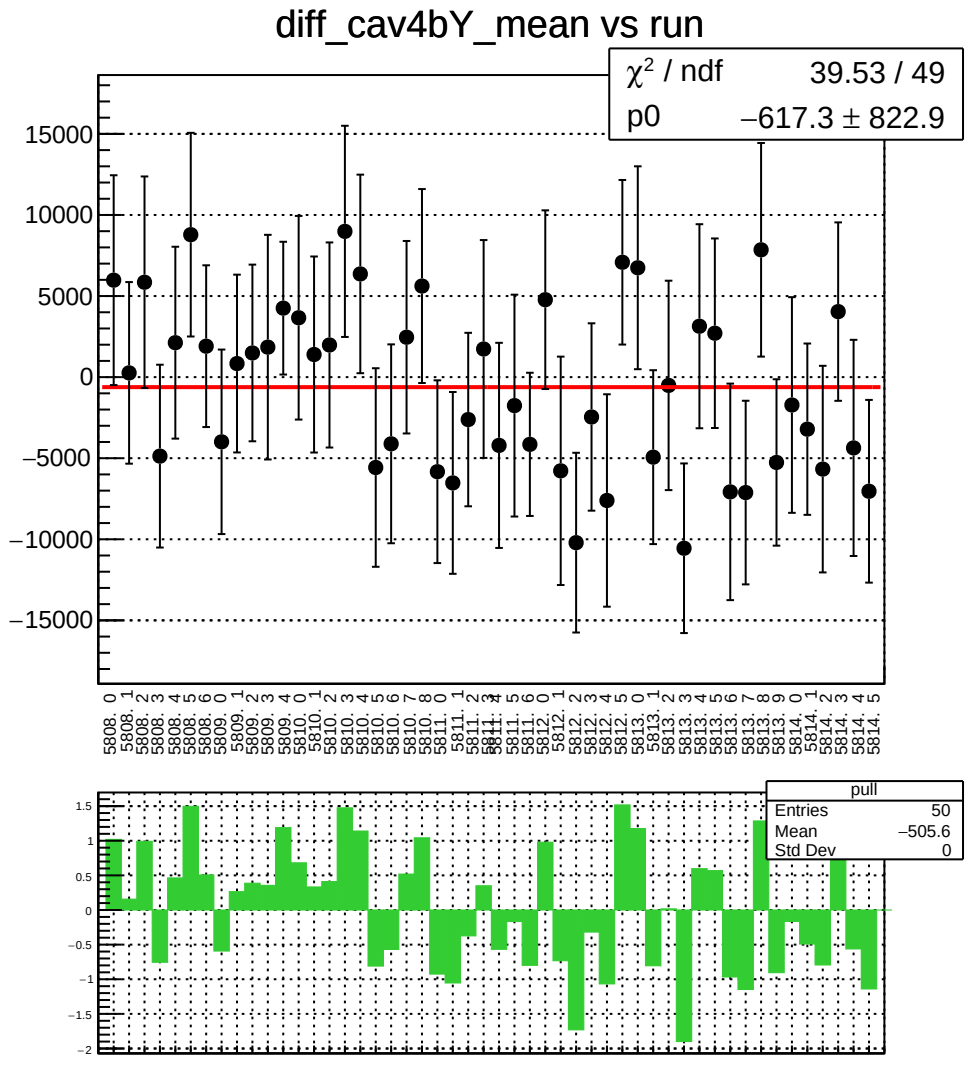

diff_bpm1p03aY_mean vs run
χ^2 / ndf 44.03 / 49
p0 −1.943 ± 4.818
100
50
0
−50
−100
pull
Entries 50
Mean −13.51
Std Dev 0

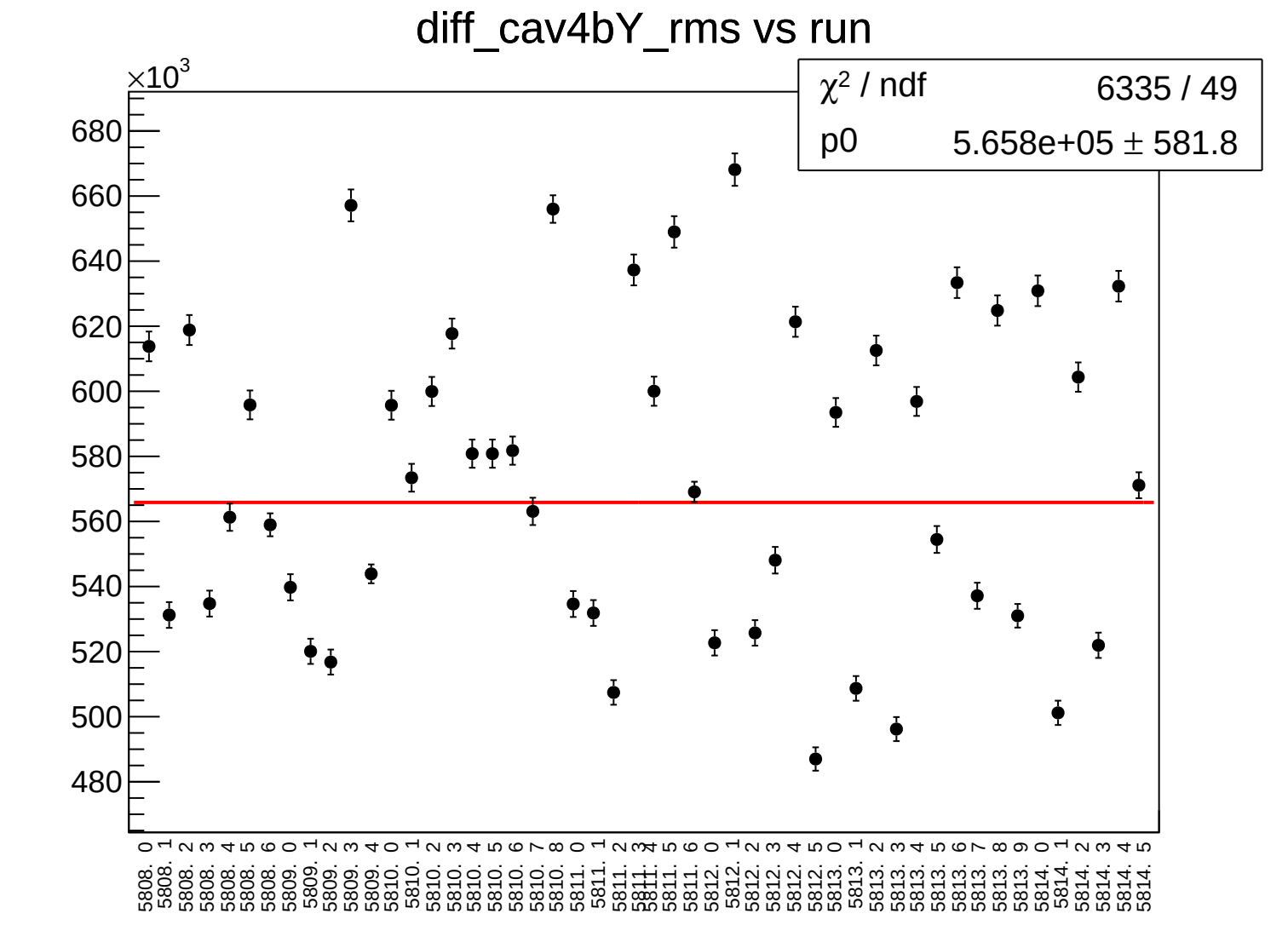

pull1D
Entries 50
Mean 0.01542
Std Dev 0.9383

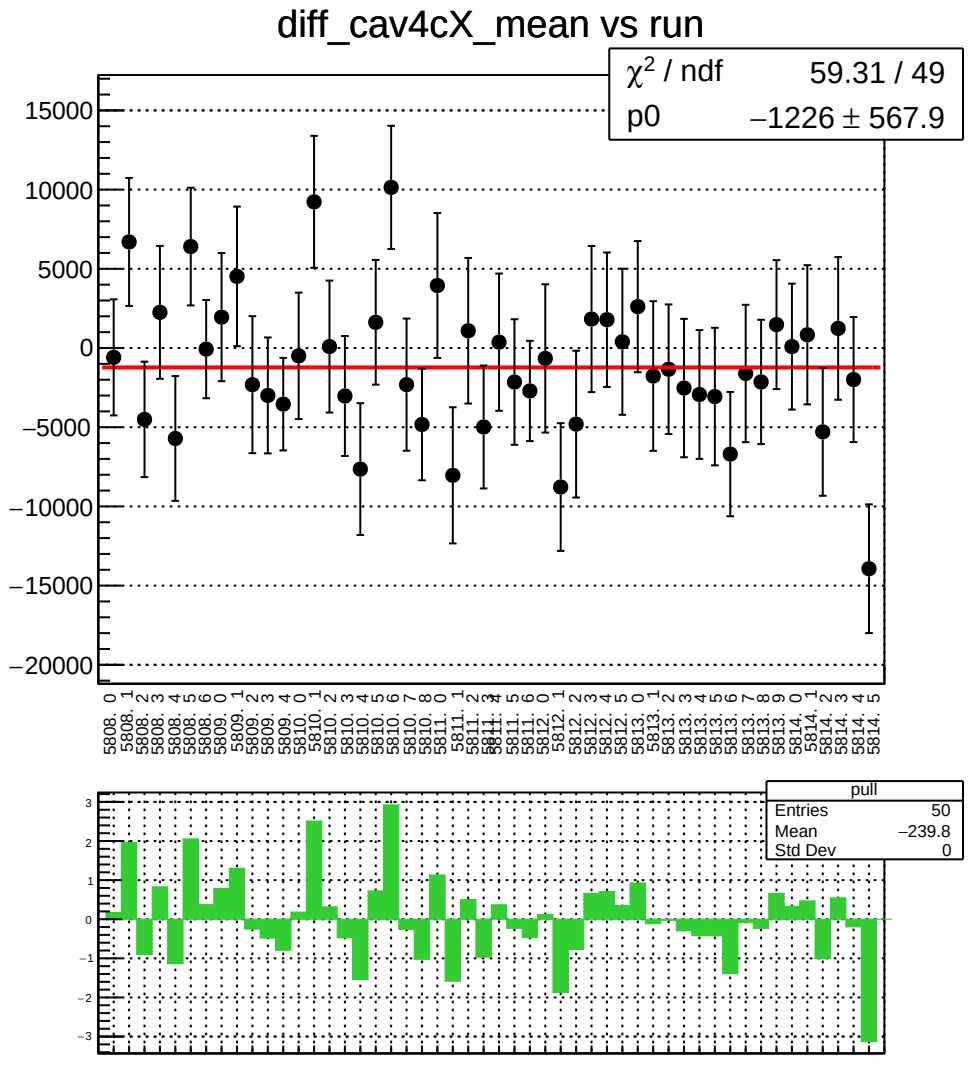

diff_bpm1p03aY_rms vs run
χ² / ndf 1.071e+04 / 49
p0 3306 ± 3.407
4000
3800
3600
3400
3200
3000
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

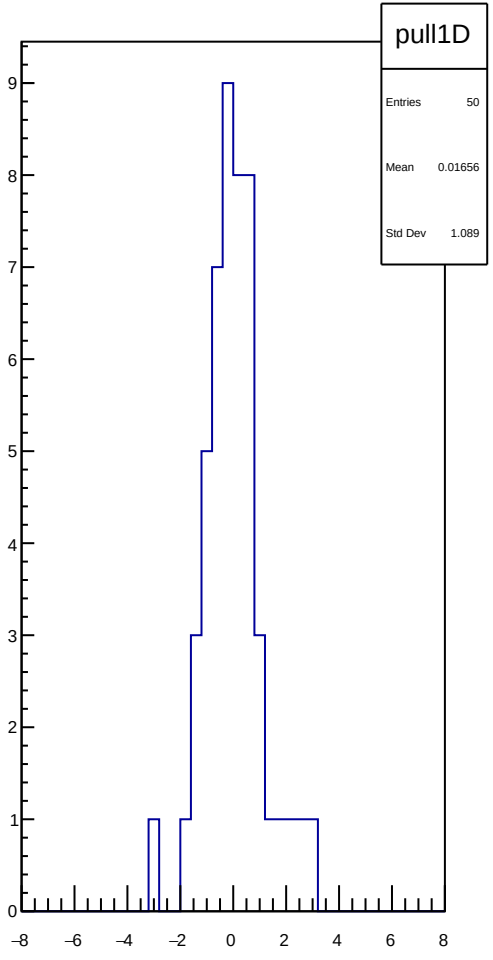

diff_cav4bX_mean vs run
χ² / ndf 62.18 / 49
p0 −2808 ± 1227
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −311.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.0137
Std Dev 1.115
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

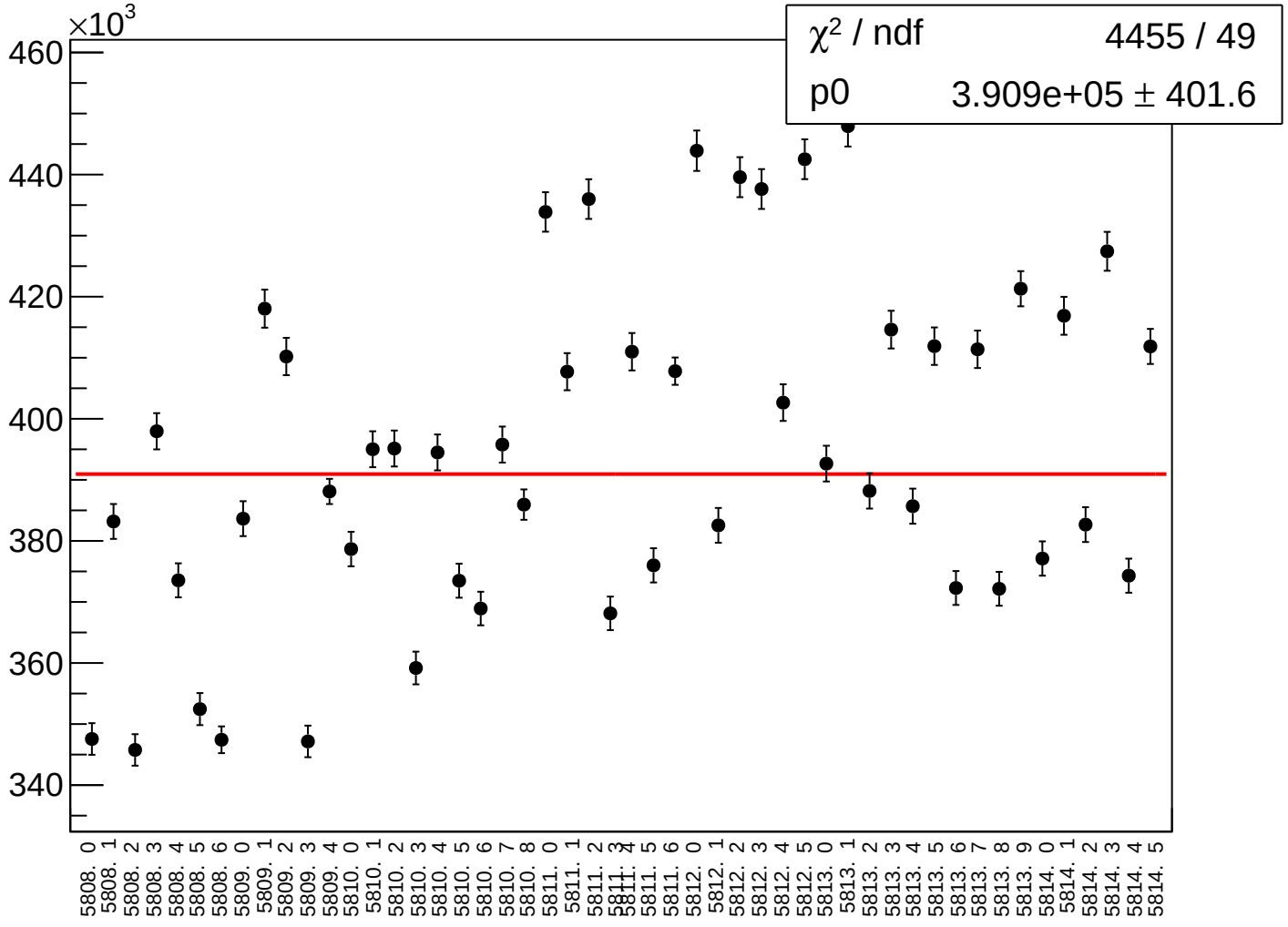

diff_cav4bX_rms vs run
×10^3
χ² / ndf 5128 / 49
p0 8.445e+05 ± 867.9
1000
950
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

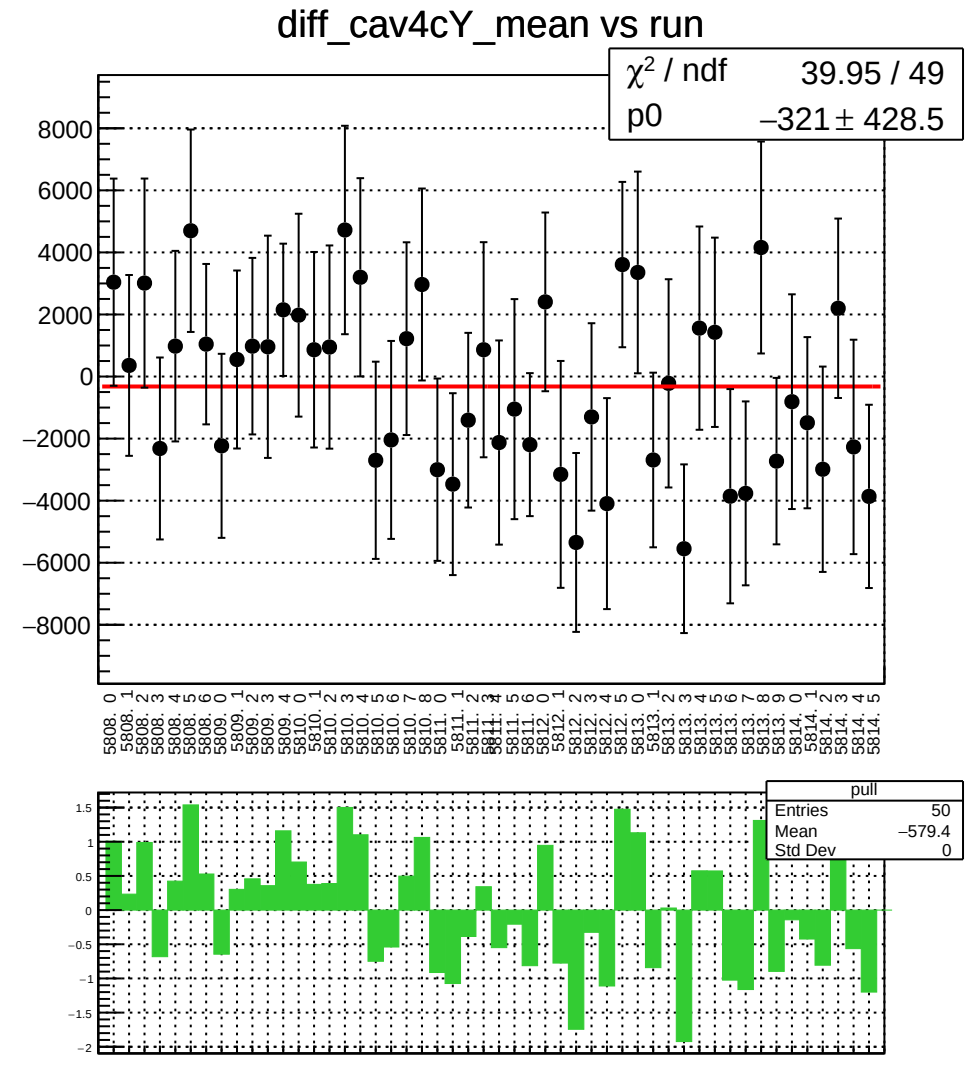

diff_cav4bY_mean vs run
χ² / ndf 39.53 / 49
p0 −617.3 ± 822.9
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −505.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008677
Std Dev 0.8891
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

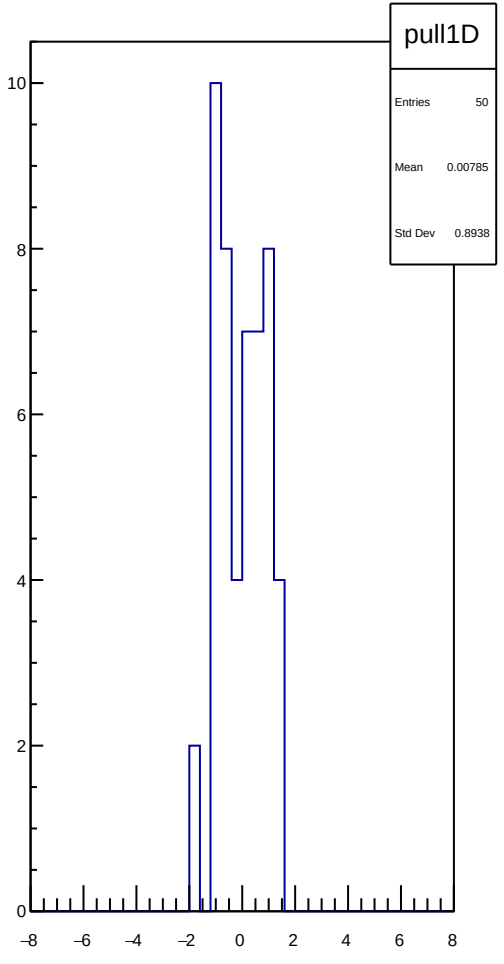

diff_cav4bY_rms vs run
×10^3
680
660
640
620
600
580
560
540
520
500
480
χ² / ndf 6335 / 49
p0 5.658e+05 ± 581.8
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

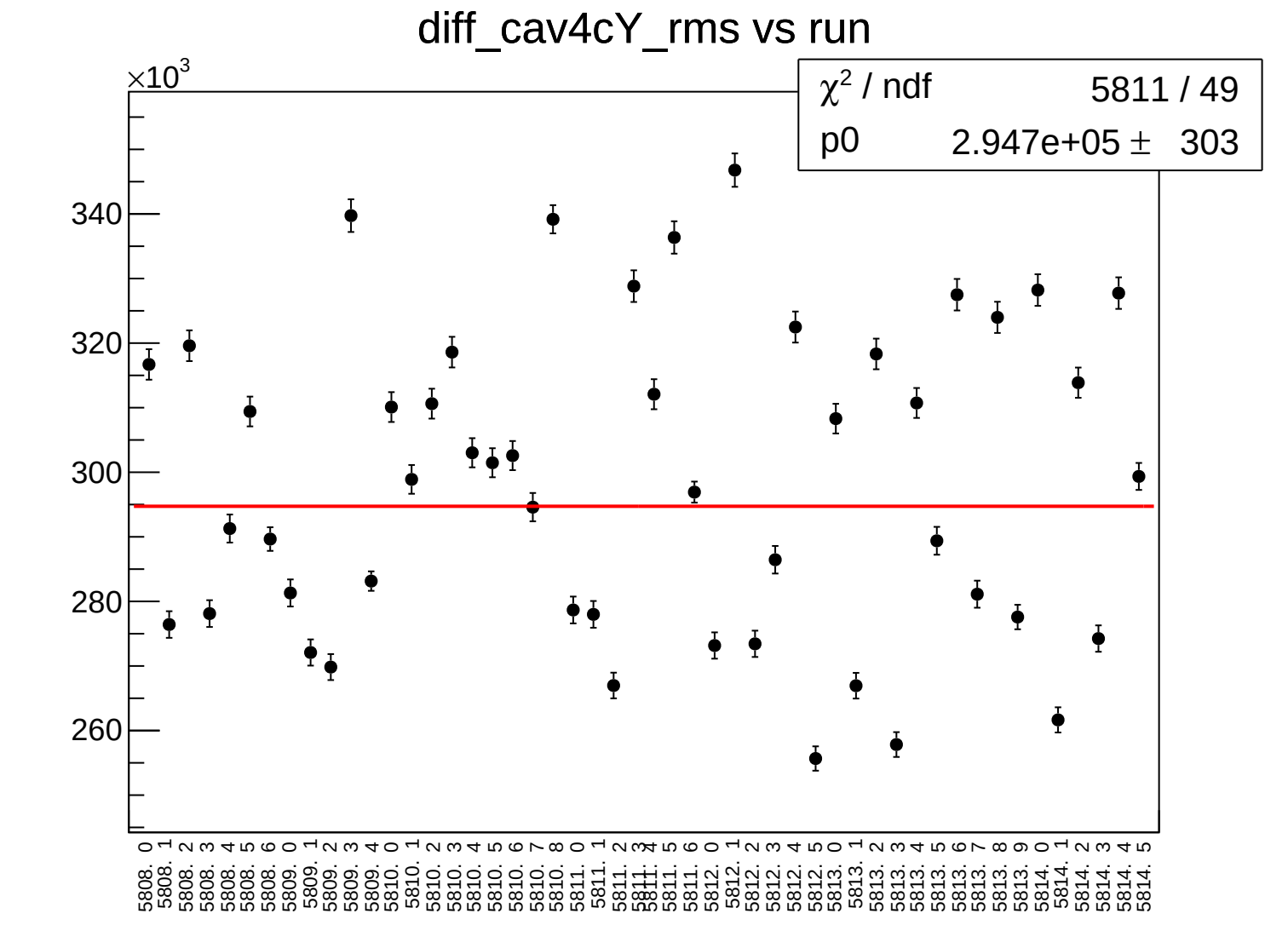

diff_cav4cX_mean vs run
χ² / ndf 59.31 / 49
p0 −1226 ± 567.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −239.8
Std Dev 0
3
2
1
0
−1
−2
−3

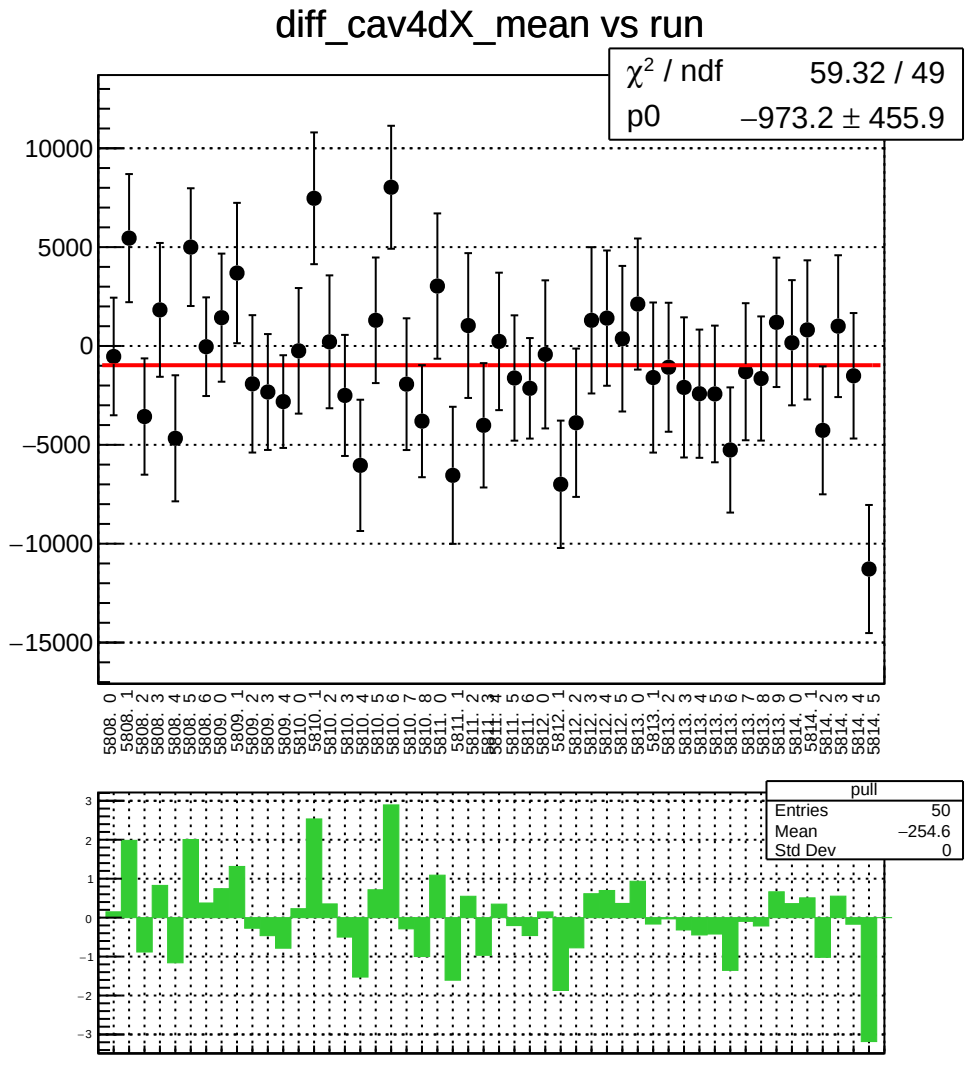

pull1D
Entries 50
Mean 0.01656
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

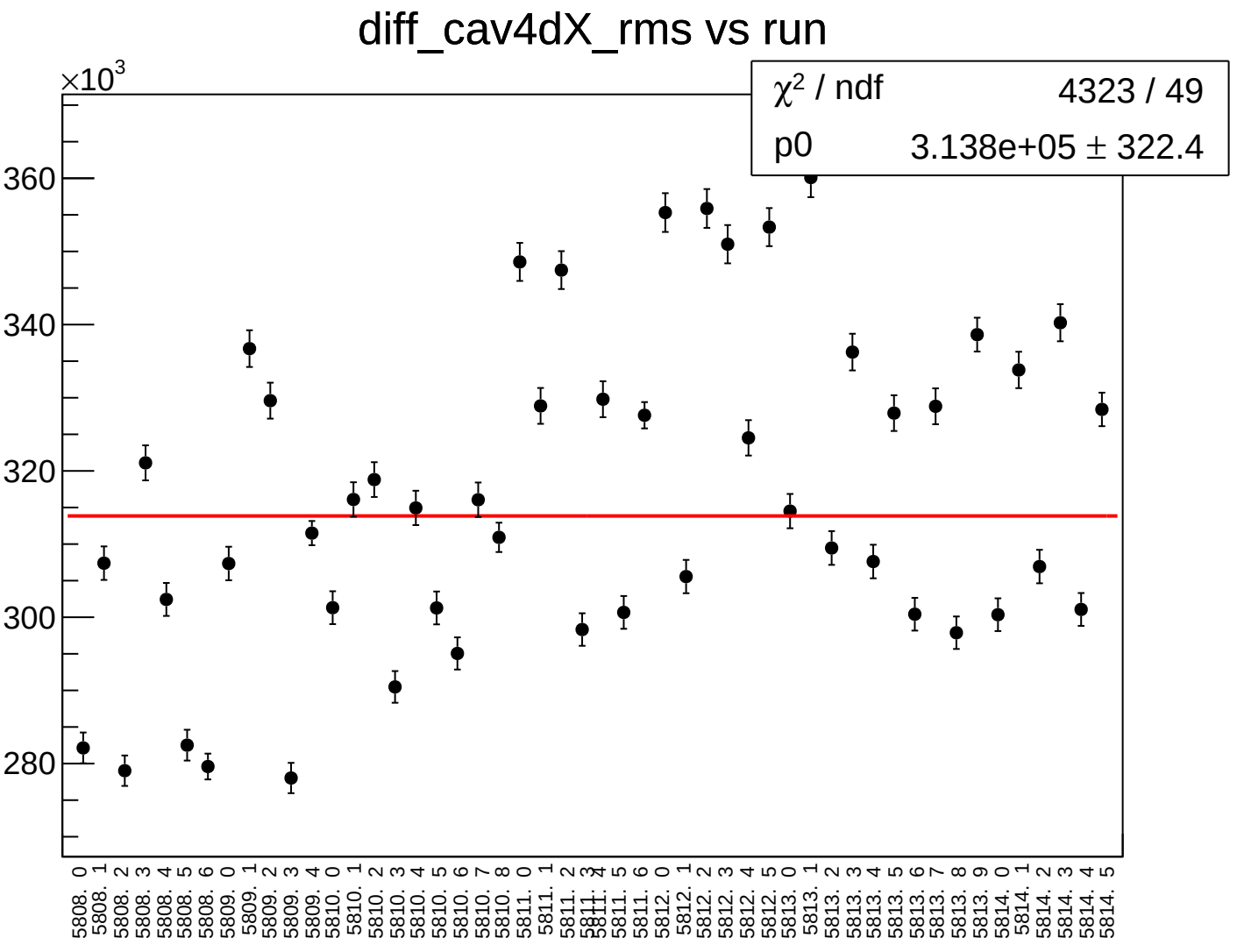

diff_cav4cX_rms vs run
×10^3
460
440
420
400
380
360
340
χ² / ndf 4455 / 49
p0 3.909e+05 ± 401.6
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

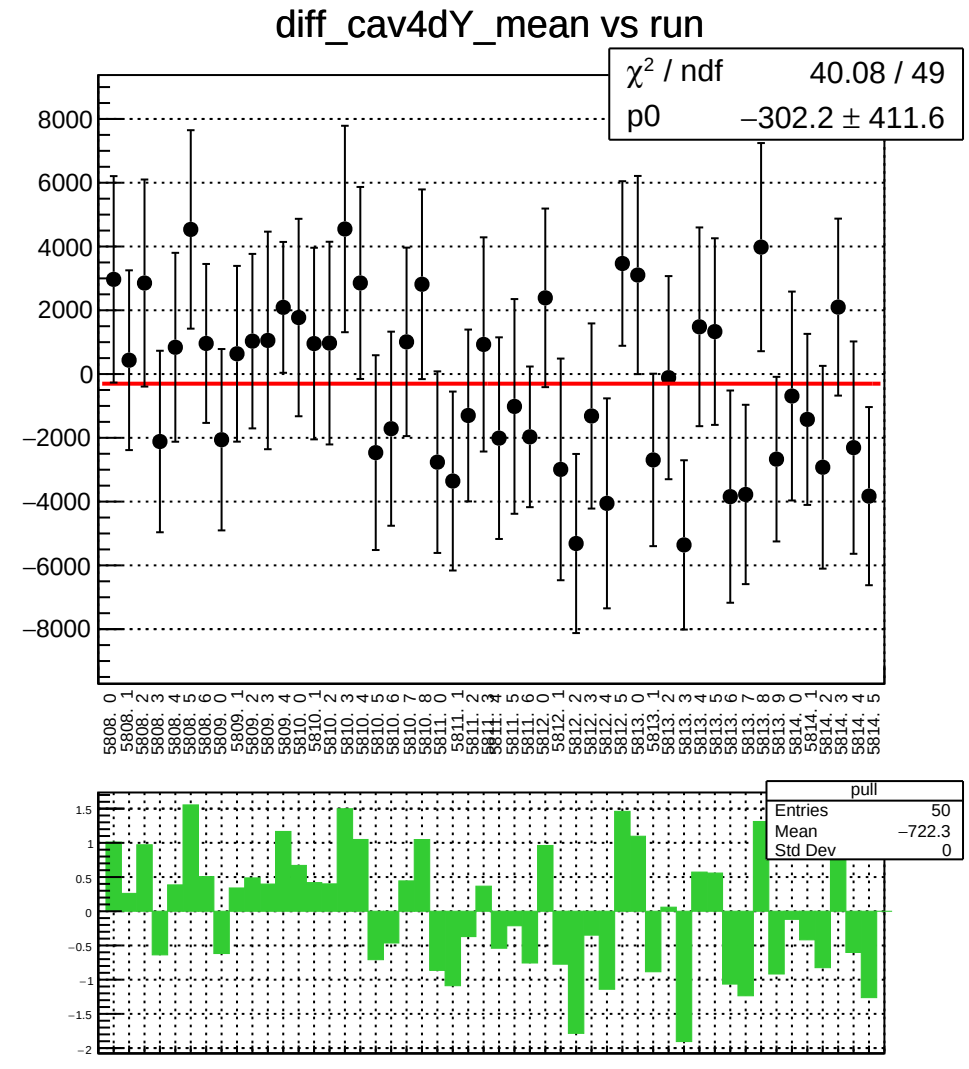

diff_cav4cY_mean vs run
χ² / ndf 39.95 / 49
p0 −321 ± 428.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
pull
Entries 50
Mean −579.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

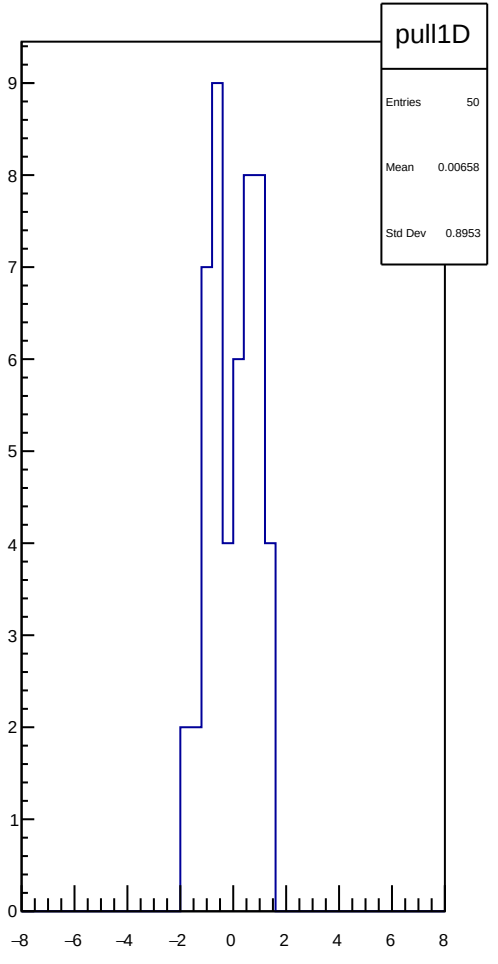

pull1D
Entries 50
Mean 0.00785
Std Dev 0.8938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

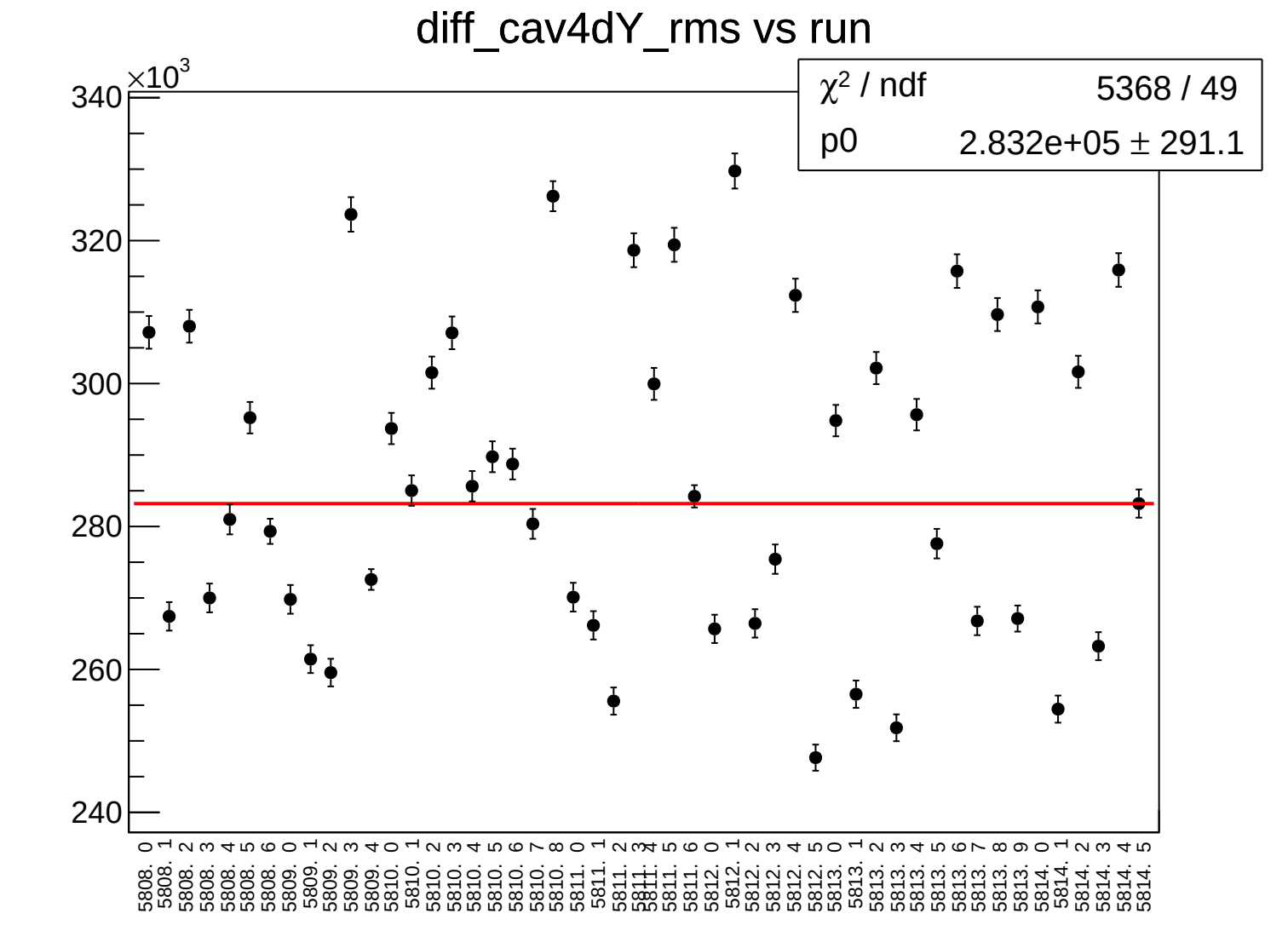

diff_cav4cY_rms vs run
×10^3
χ^2 / ndf 5811 / 49
p0 2.947e+05 ± 303
340
320
300
280
260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

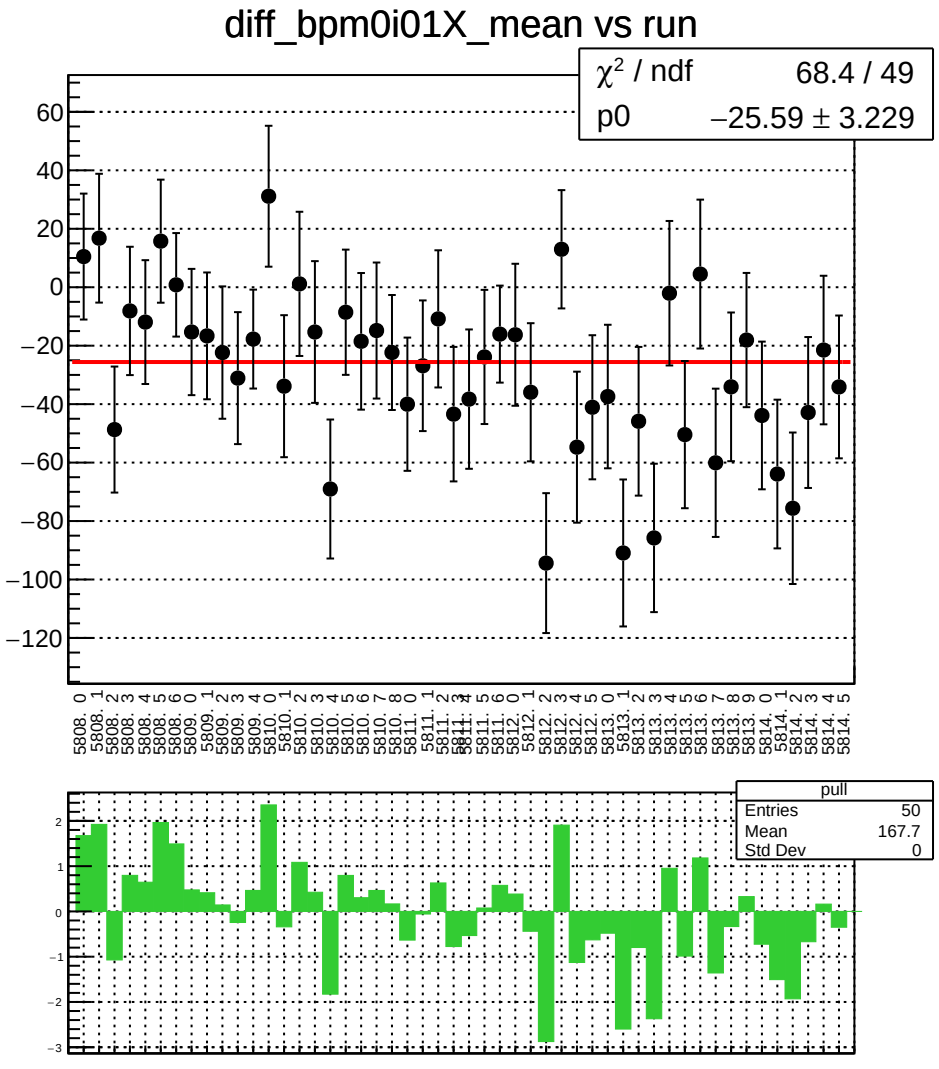

diff_cav4dX_mean vs run
χ² / ndf 59.32 / 49
p0 −973.2 ± 455.9
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −254.6
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01562
Std Dev 1.089
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

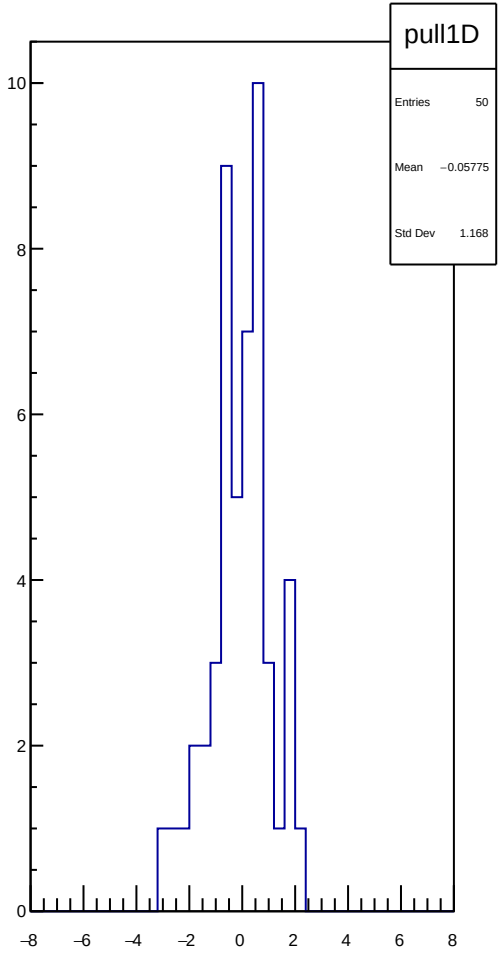

diff_cav4dX_rms vs run
×10^3
χ² / ndf 4323 / 49
p0 3.138e+05 ± 322.4
360
340
320
300
280
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

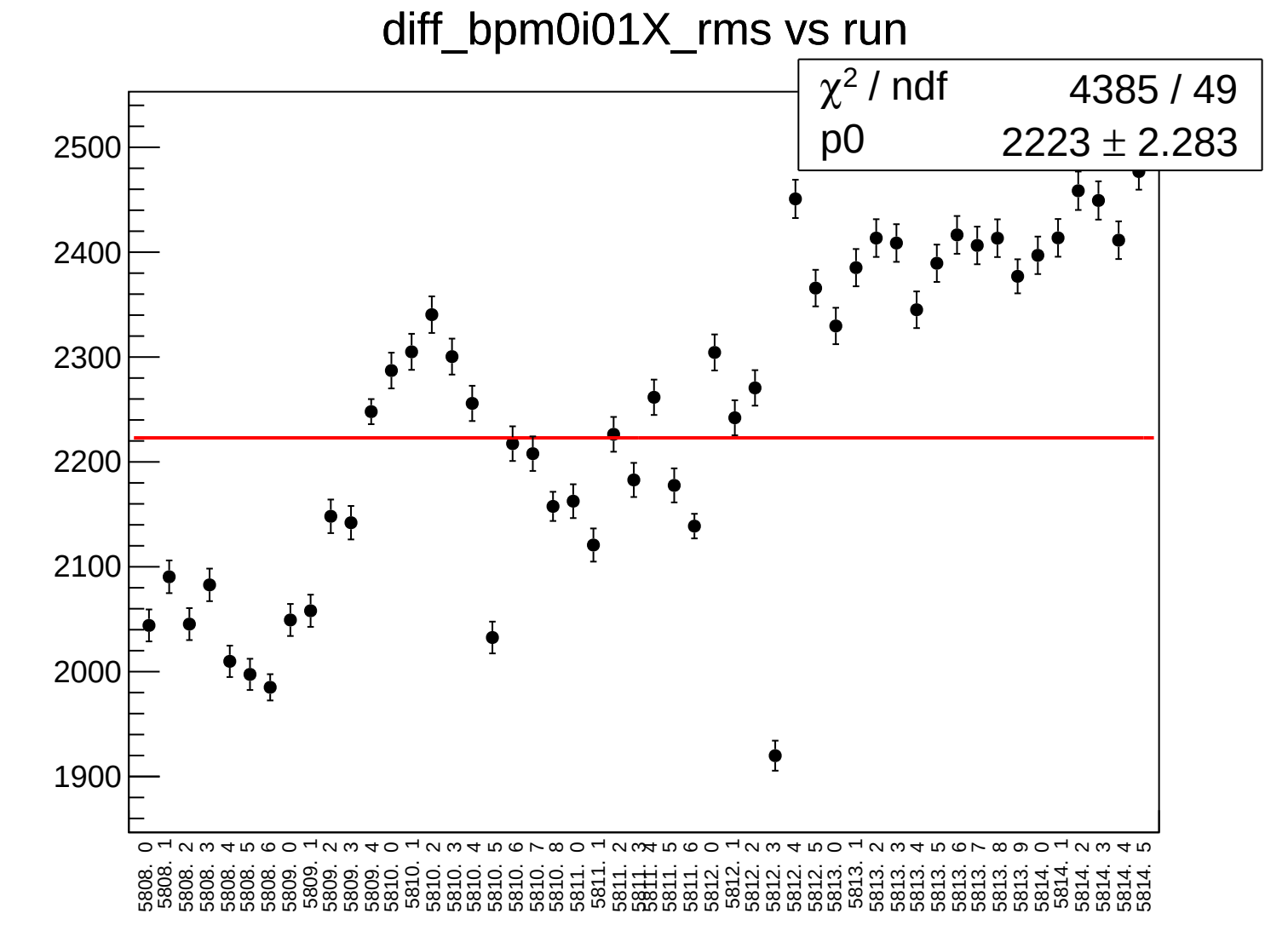

diff_cav4dY_mean vs run
χ² / ndf 40.08 / 49
p0 −302.2 ± 411.6
pull
Entries 50
Mean −722.3
Std Dev 0

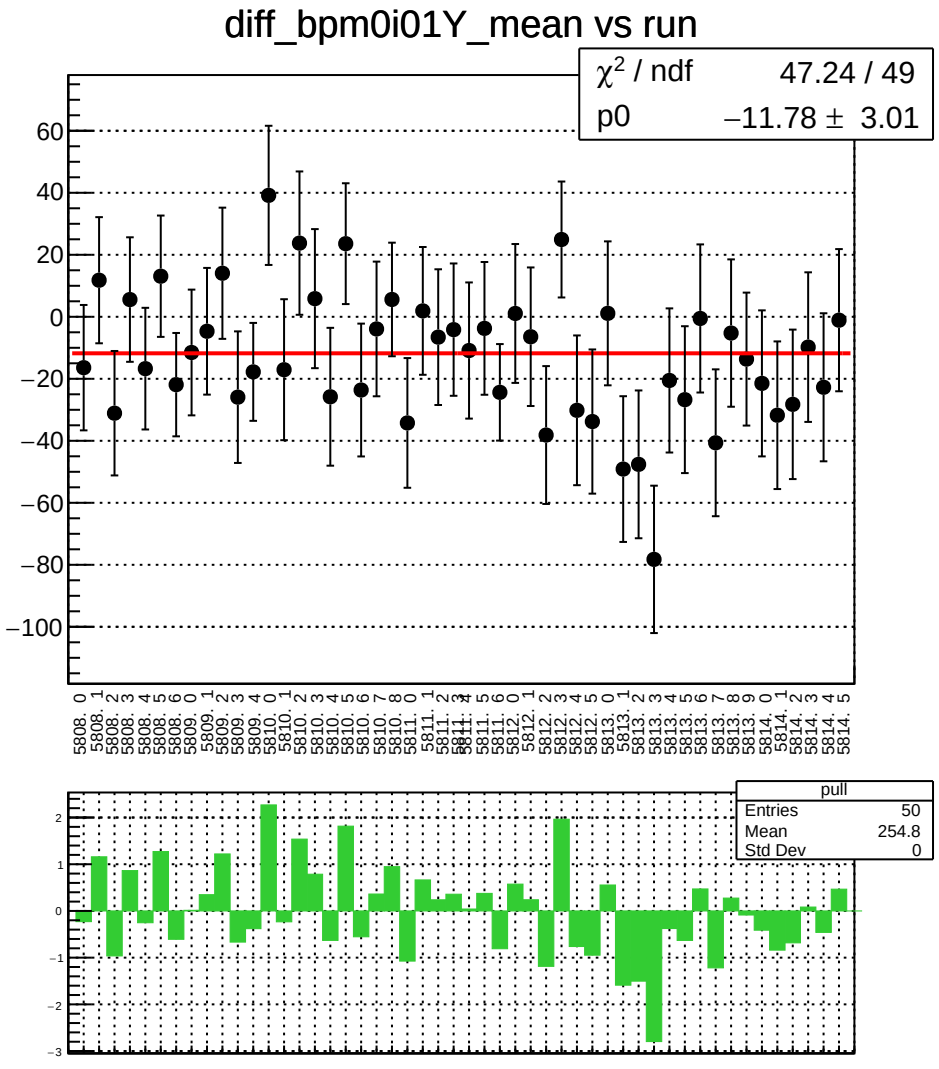

pull1D
Entries 50
Mean 0.00658
Std Dev 0.8953

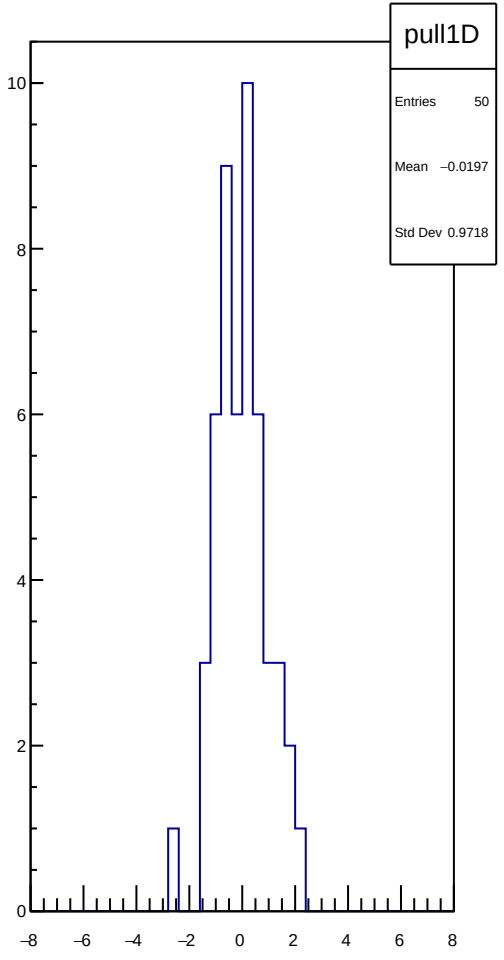

diff_cav4dY_rms vs run
×10^3
340
320
300
280
260
240
χ² / ndf 5368 / 49
p0 2.832e+05 ± 291.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

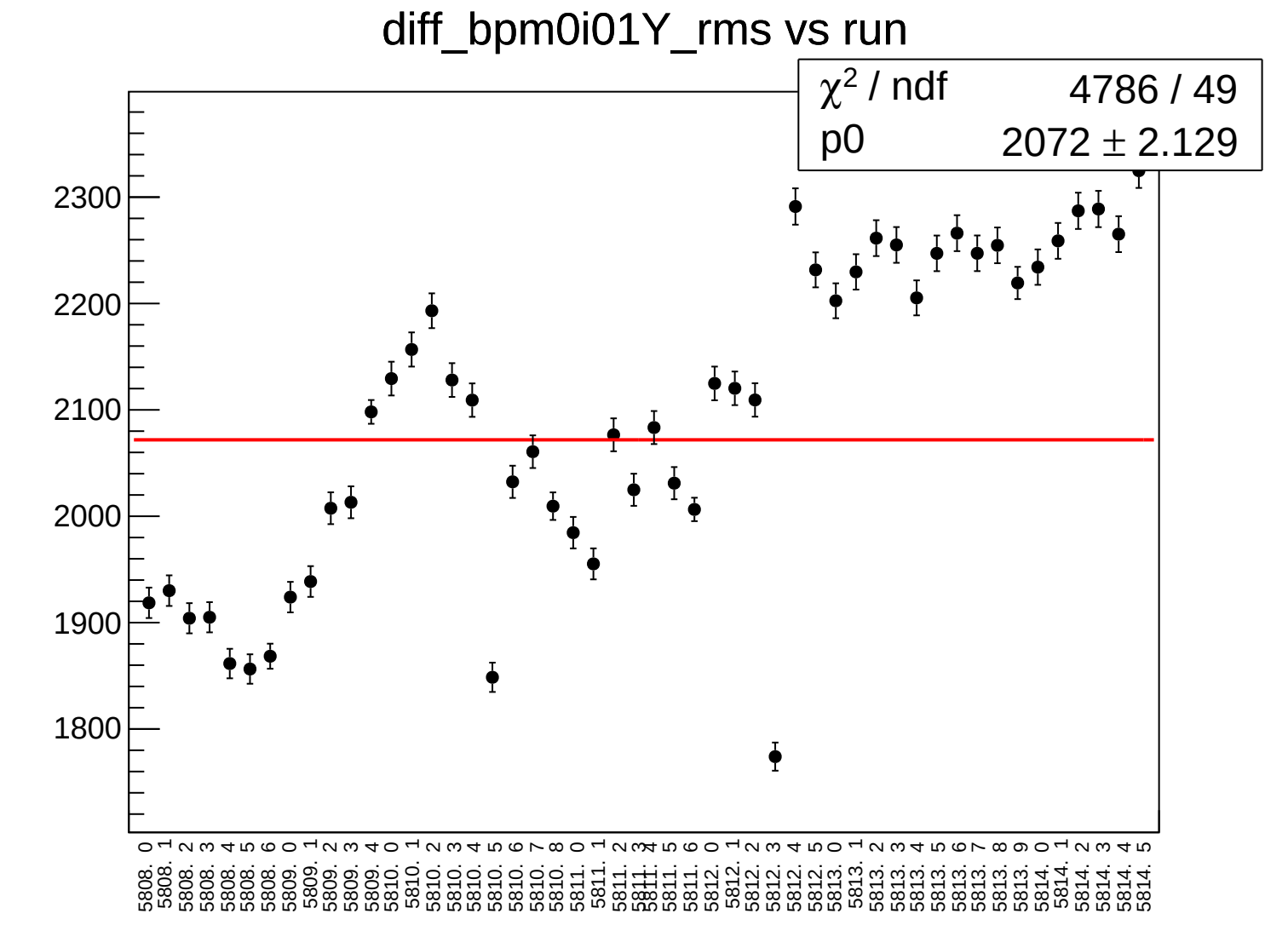

diff_bpm0i01X_mean vs run
χ² / ndf 68.4 / 49
p0 −25.59 ± 3.229
pull
Entries 50
Mean 167.7
Std Dev 0

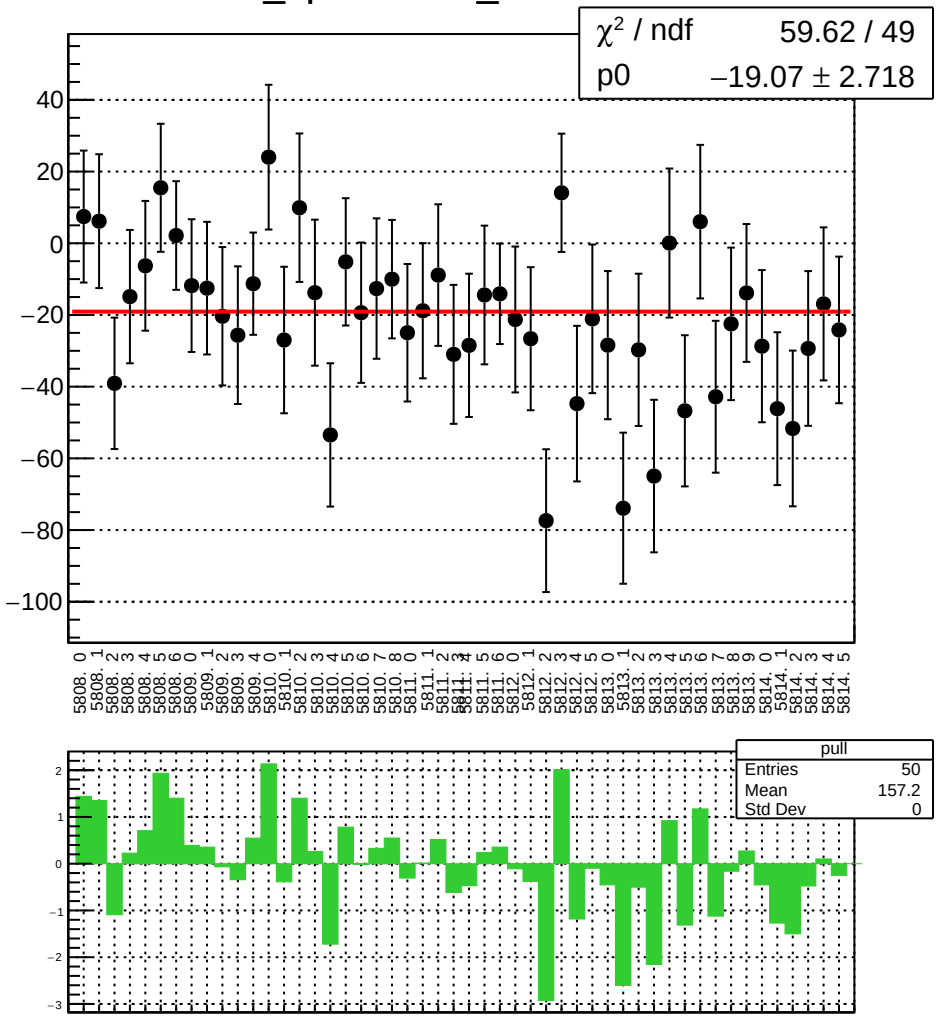

pull1D
Entries 50
Mean −0.05775
Std Dev 1.168

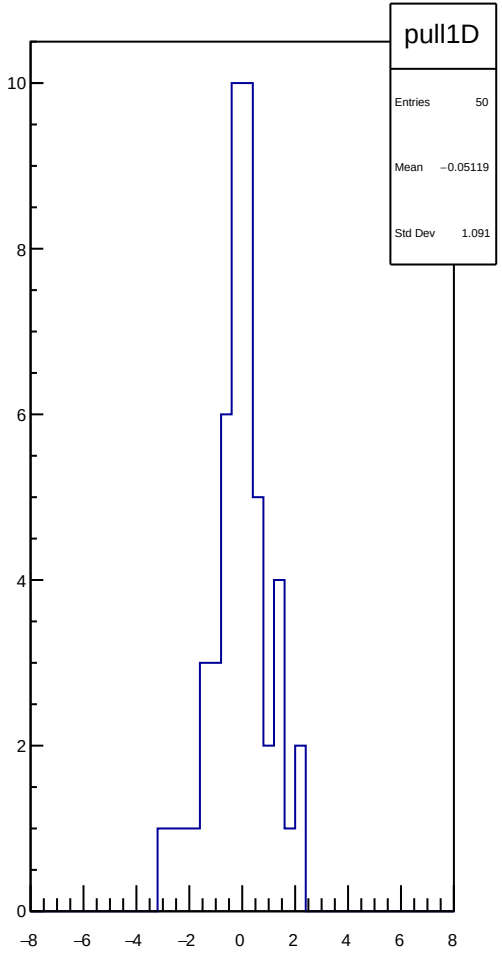

diff_bpm0i01X_rms vs run
χ² / ndf 4385 / 49
p0 2223 ± 2.283
2500
2400
2300
2200
2100
2000
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

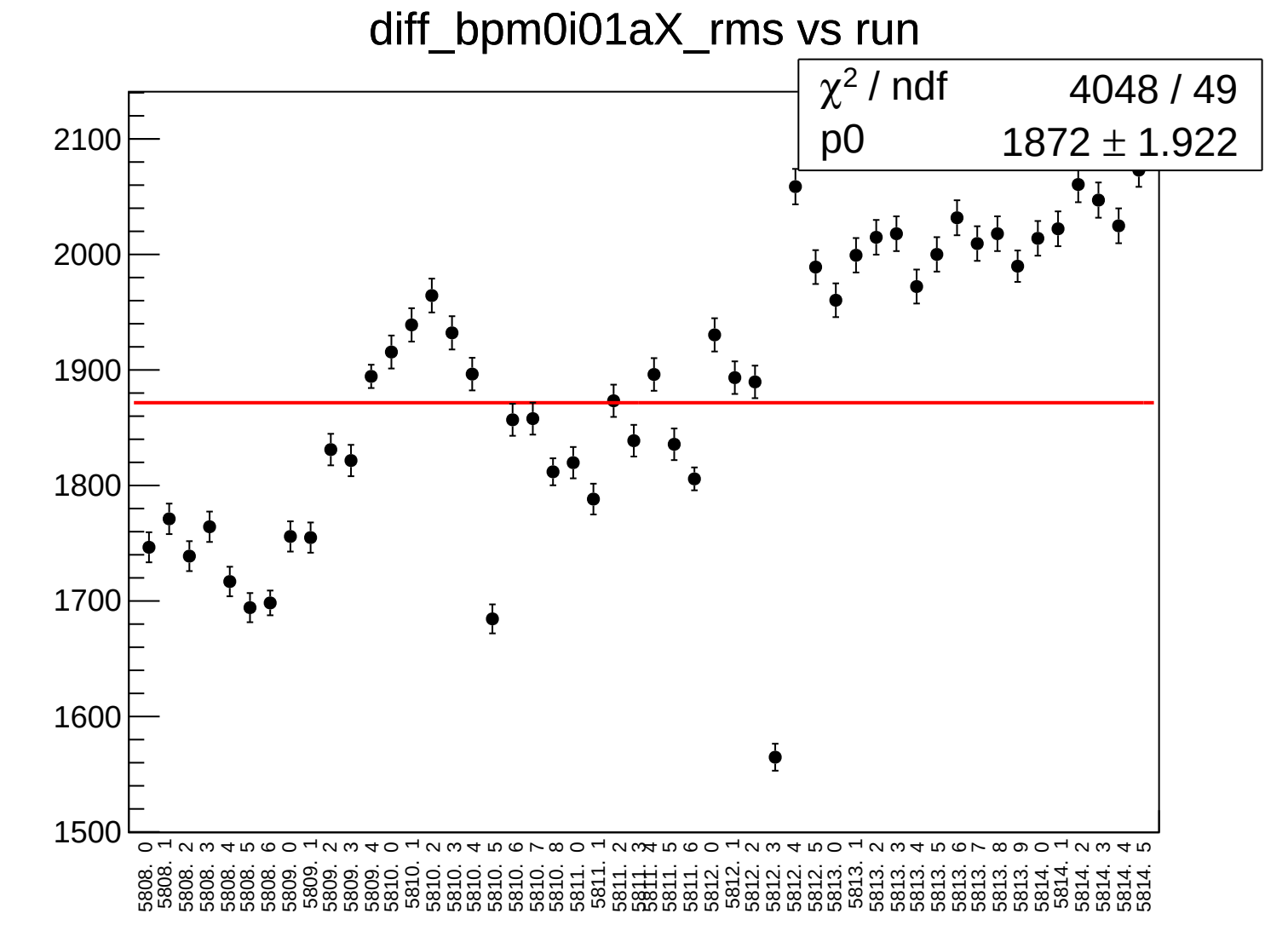

diff_bpm0i01Y_mean vs run
χ² / ndf 47.24 / 49
p0 −11.78 ± 3.01
pull
Entries 50
Mean 254.8
Std Dev 0

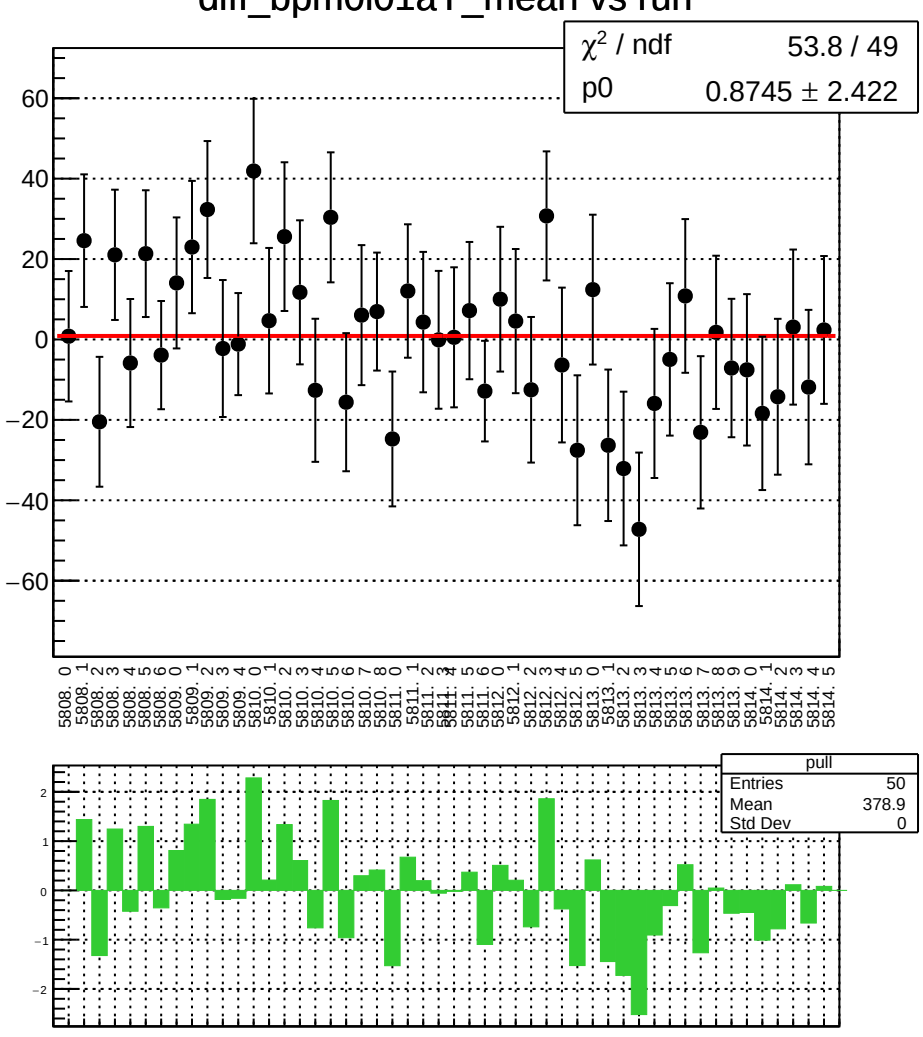

pull1D
Entries 50
Mean −0.0197
Std Dev 0.9718

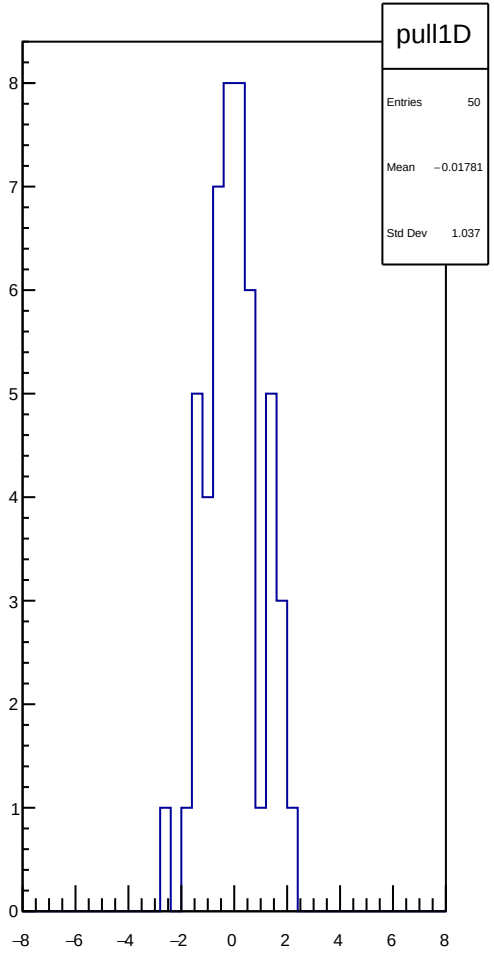

diff_bpm0i01Y_rms vs run
χ² / ndf 4786 / 49
p0 2072 ± 2.129
2300
2200
2100
2000
1900
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

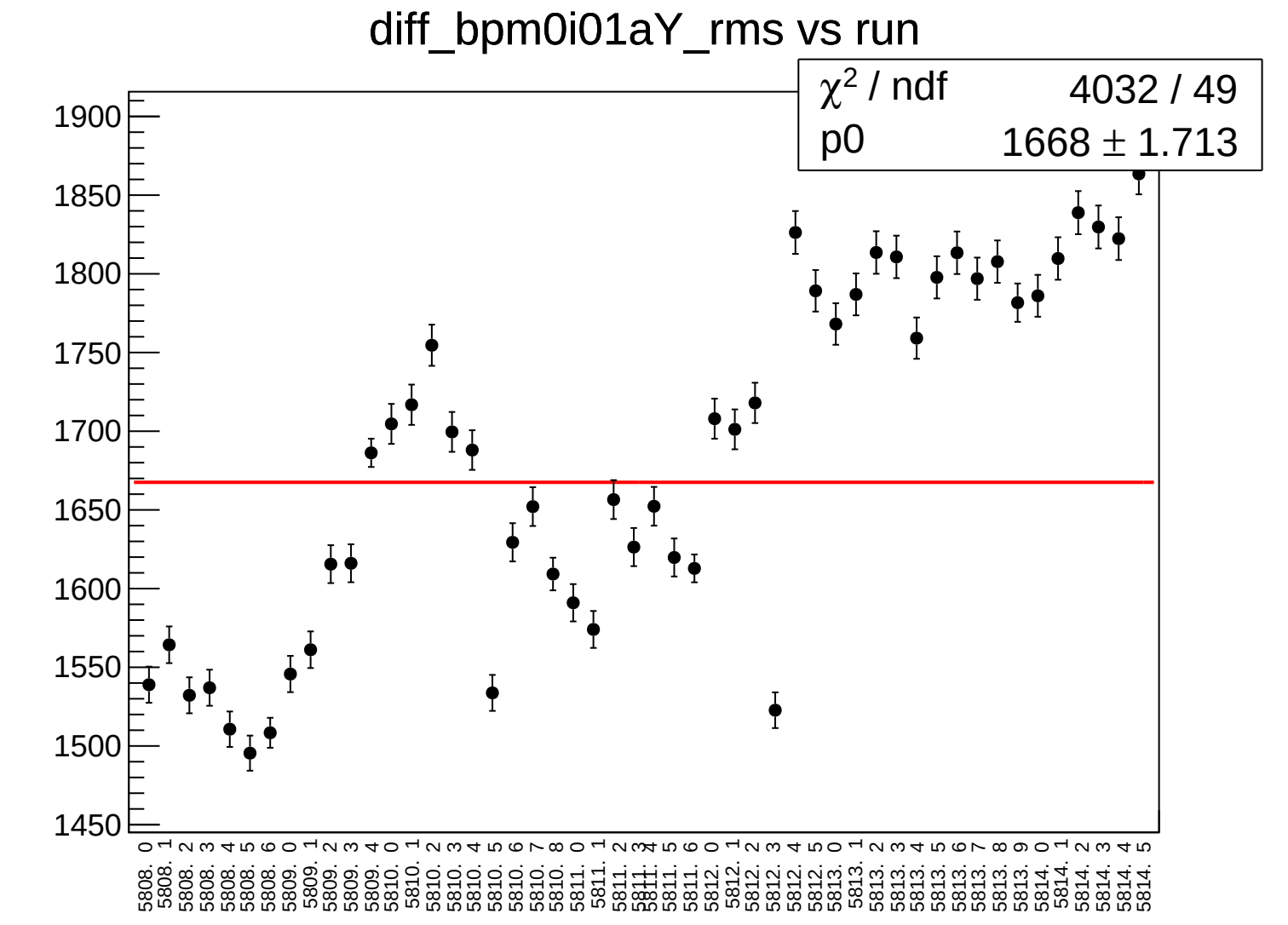

diff_bpm0i01aX_mean vs run
χ² / ndf 59.62 / 49
p0 −19.07 ± 2.718
pull
Entries 50
Mean 157.2
Std Dev 0

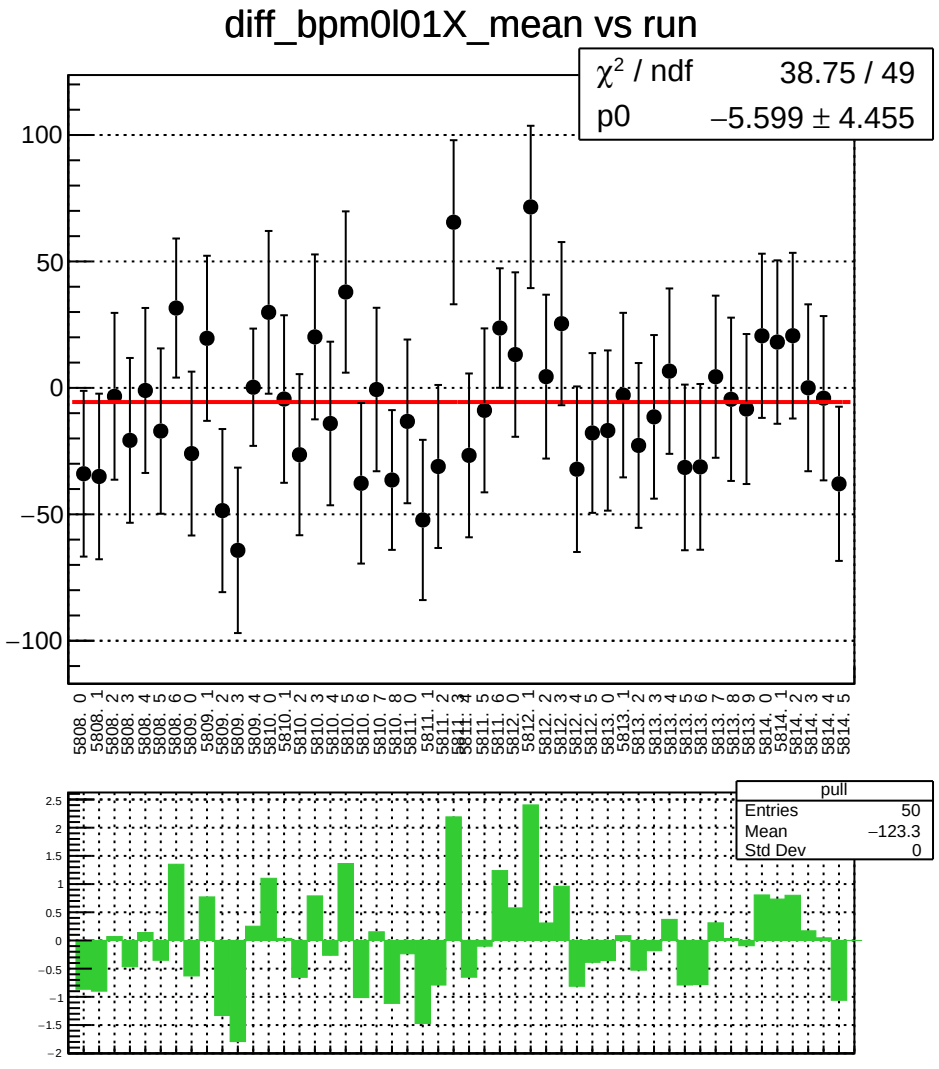

pull1D
Entries 50
Mean −0.05119
Std Dev 1.091

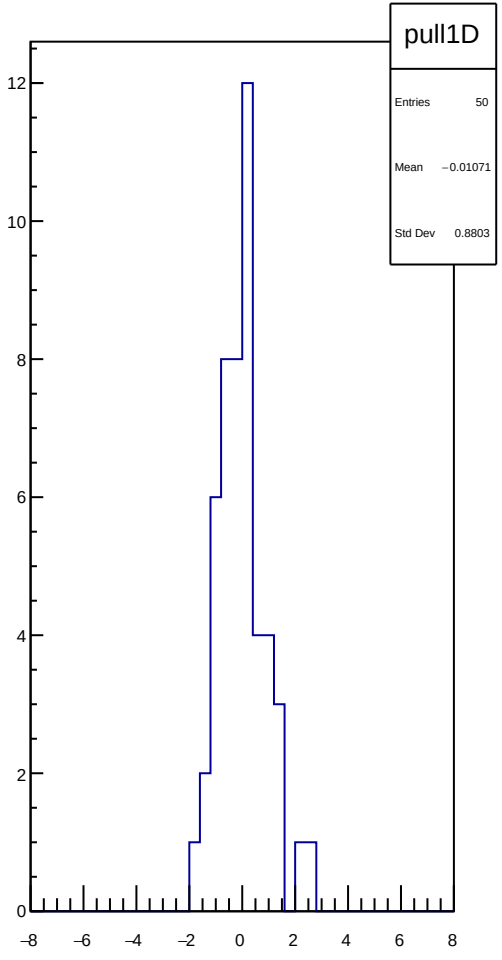

diff_bpm0i01aX_rms vs run
χ² / ndf 4048 / 49
p0 1872 ± 1.922
2100
2000
1900
1800
1700
1600
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

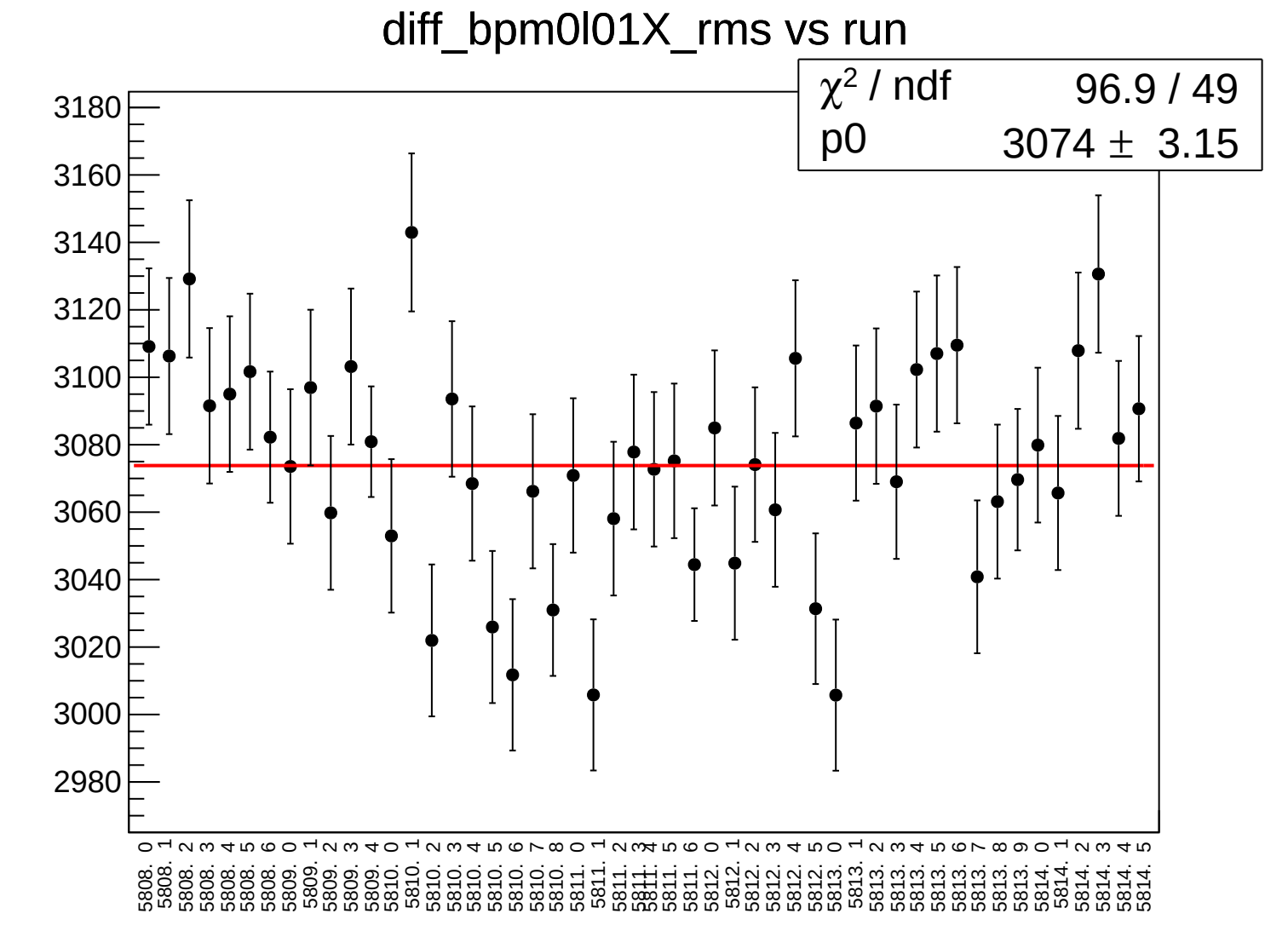

diff_bpm0i01aY_mean vs run
χ² / ndf 53.8 / 49
p0 0.8745 ± 2.422
pull
Entries 50
Mean 378.9
Std Dev 0

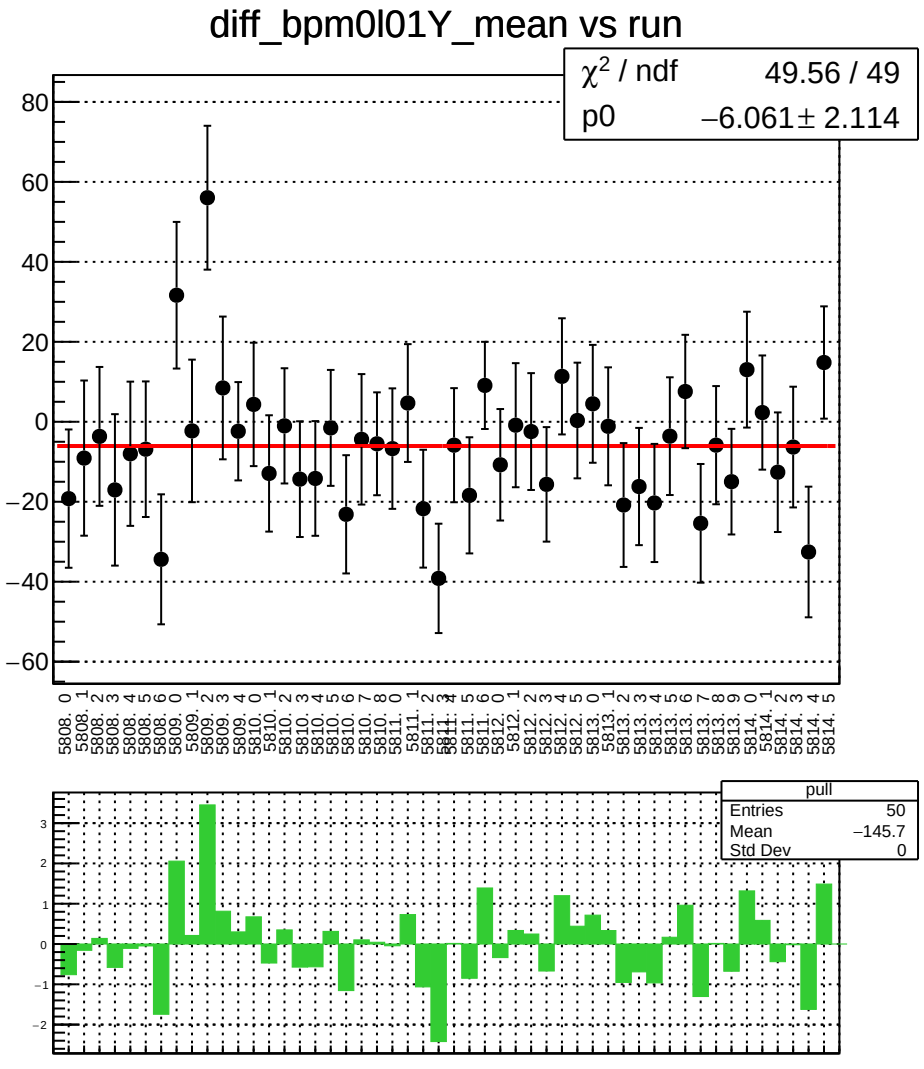

pull1D
Entries 50
Mean −0.01781
Std Dev 1.037

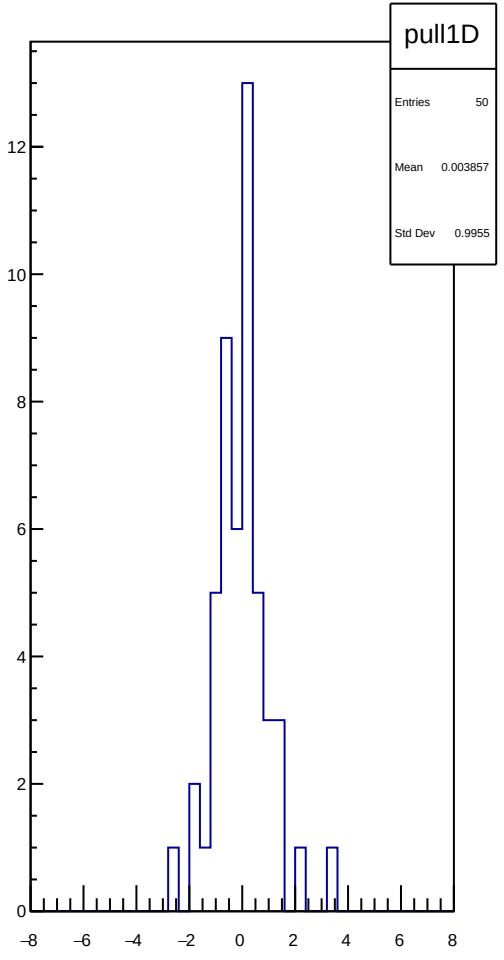

diff_bpm0i01aY_rms vs run
χ² / ndf 4032 / 49
p0 1668 ± 1.713
1900
1850
1800
1750
1700
1650
1600
1550
1500
1450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

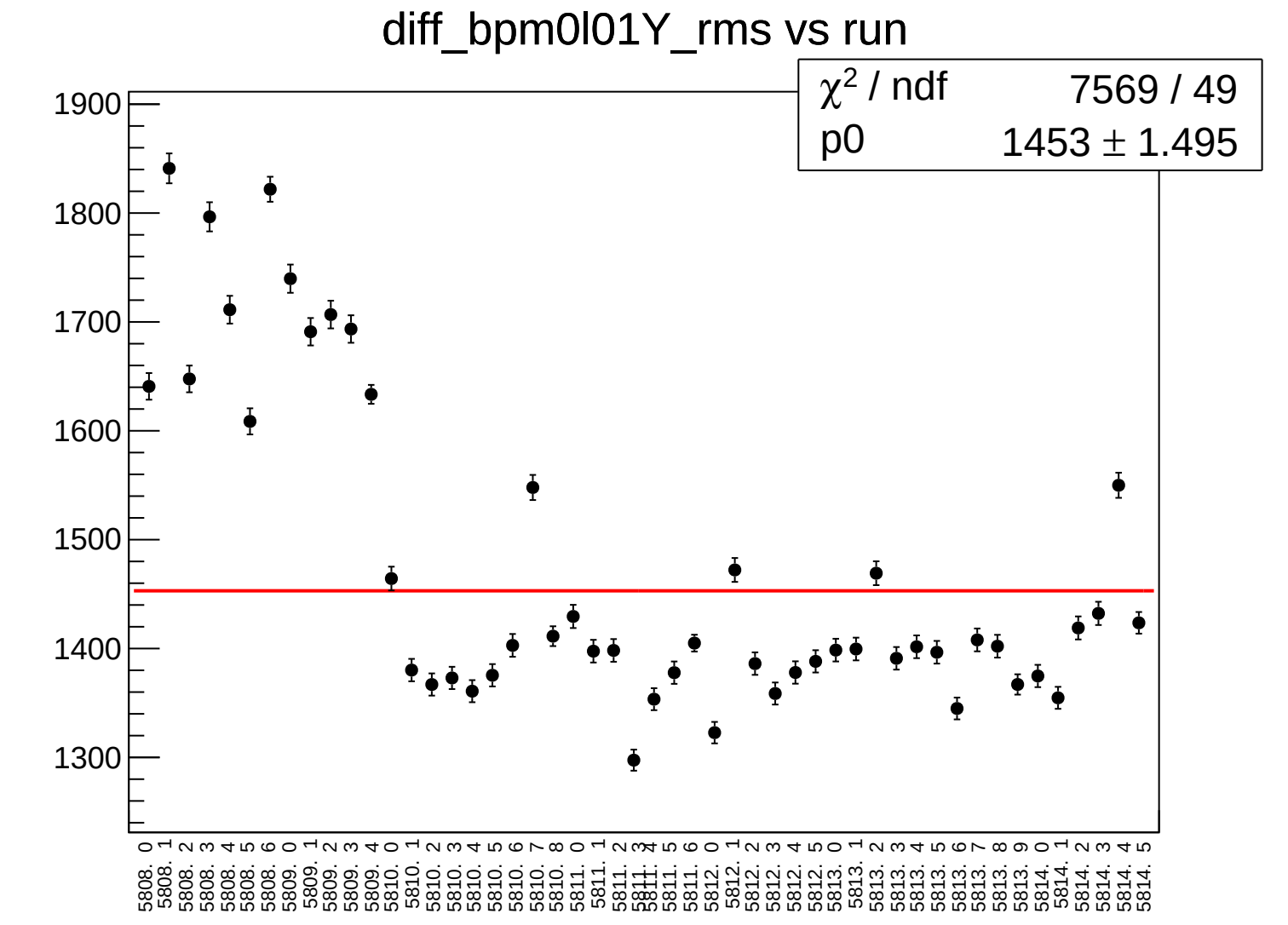

diff_bpm0l01X_mean vs run
χ² / ndf 38.75 / 49
p0 −5.599 ± 4.455
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

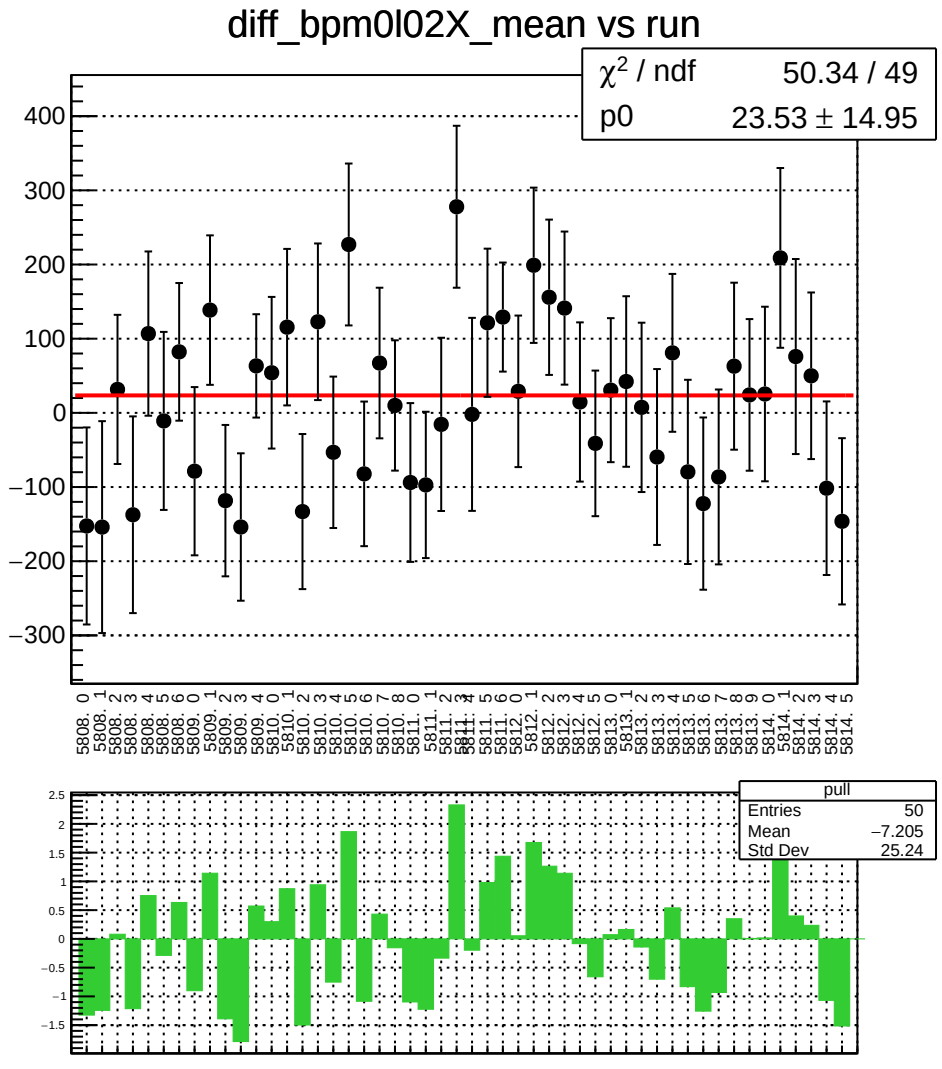

pull1D
Entries 50
Mean −0.01071
Std Dev 0.8803
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

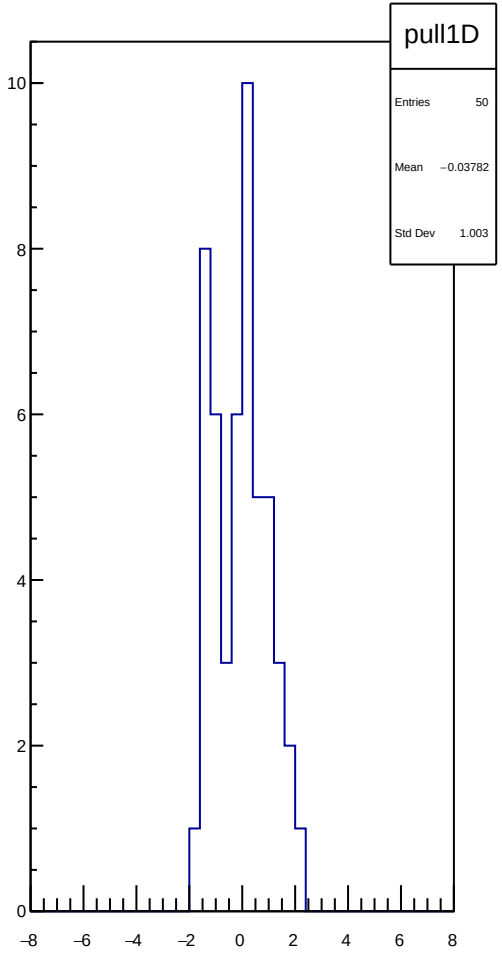

diff_bpm0l01X_rms vs run
χ² / ndf 96.9 / 49
p0 3074 ± 3.15
3180
3160
3140
3120
3100
3080
3060
3040
3020
3000
2980
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

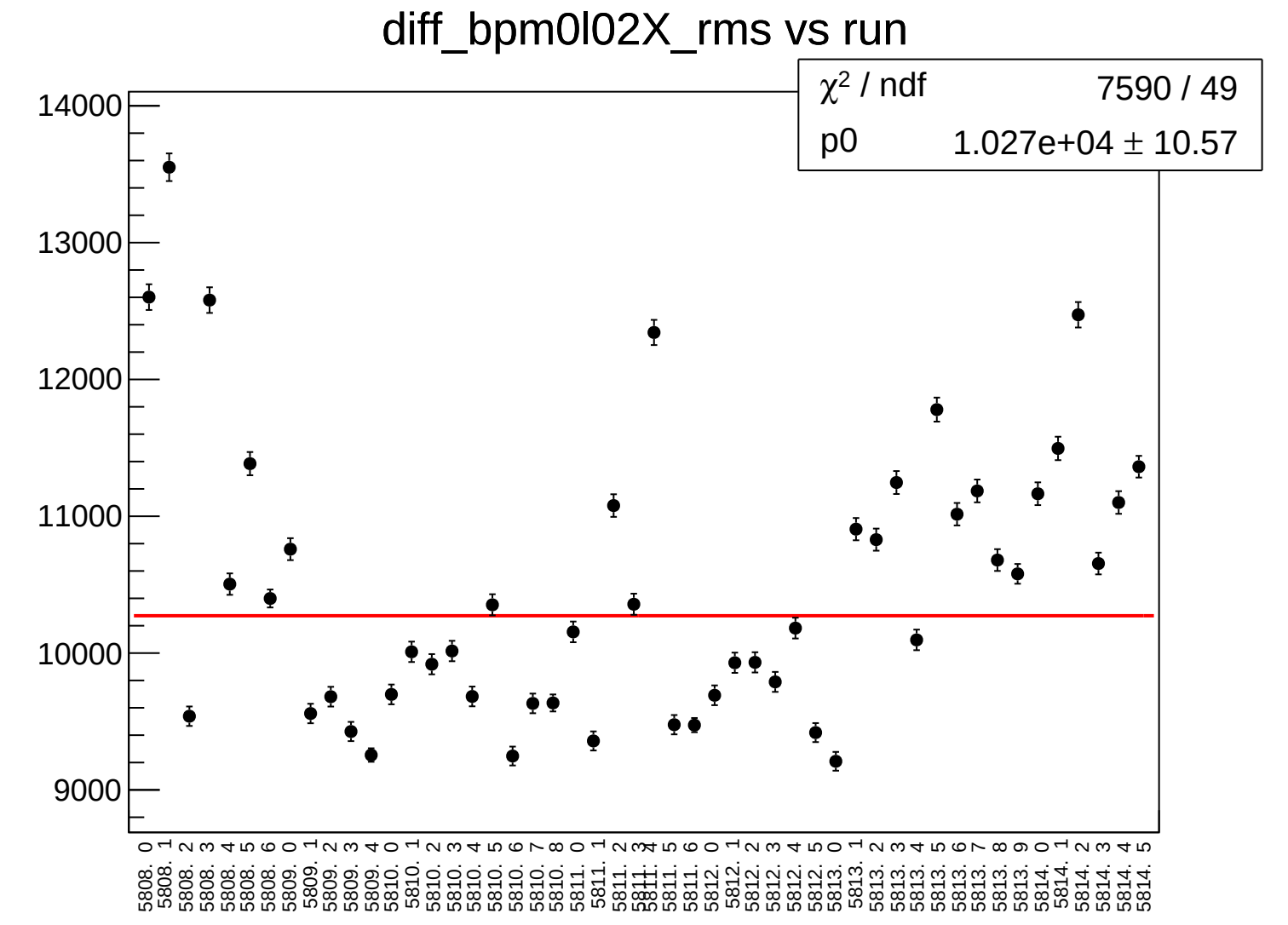

diff_bpm0l01Y_mean vs run
χ² / ndf 49.56 / 49
p0 −6.061 ± 2.114
pull
Entries 50
Mean −145.7
Std Dev 0

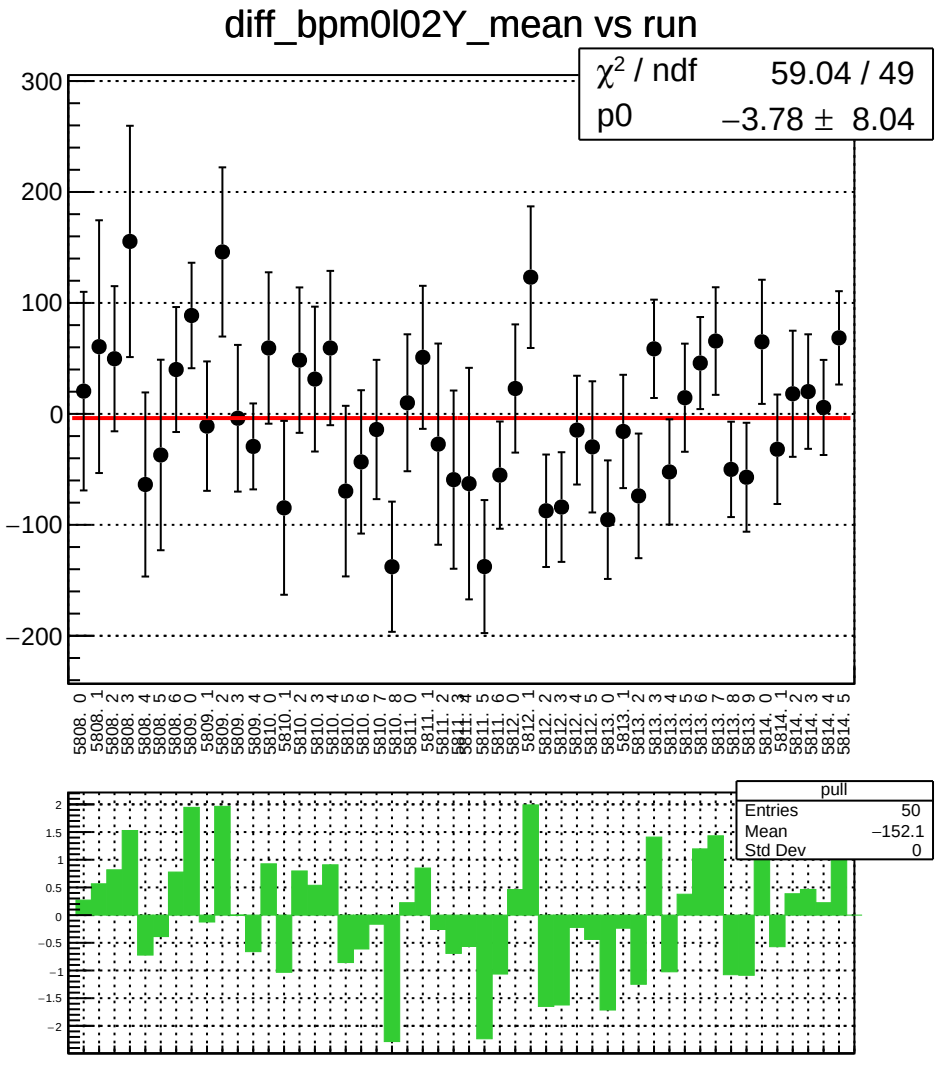

pull1D
Entries 50
Mean 0.003857
Std Dev 0.9955

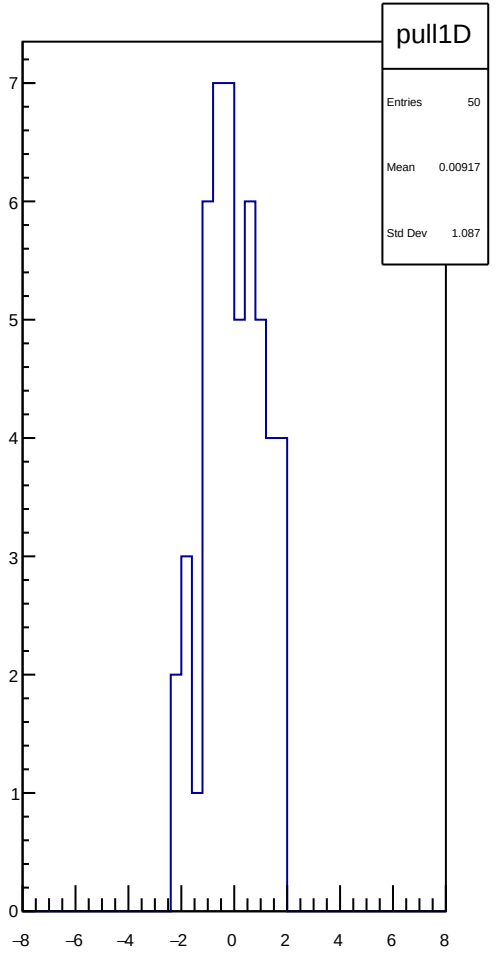

diff_bpm0l01Y_rms vs run
χ² / ndf 7569 / 49
p0 1453 ± 1.495
1900
1800
1700
1600
1500
1400
1300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

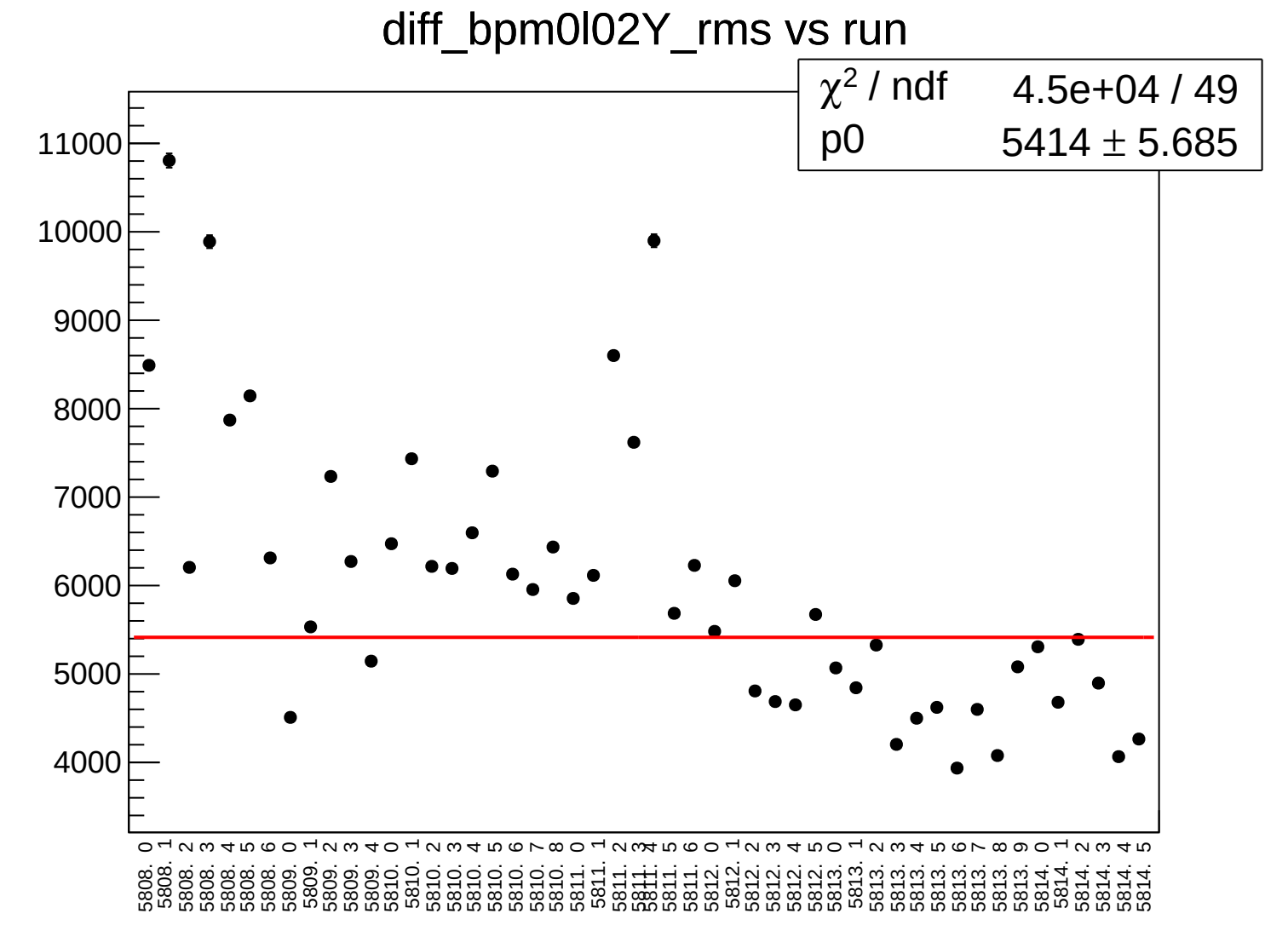

diff_bpm0l02X_mean vs run
χ^2 / ndf 50.34 / 49
p0 23.53 ± 14.95
pull
Entries 50
Mean −7.205
Std Dev 25.24

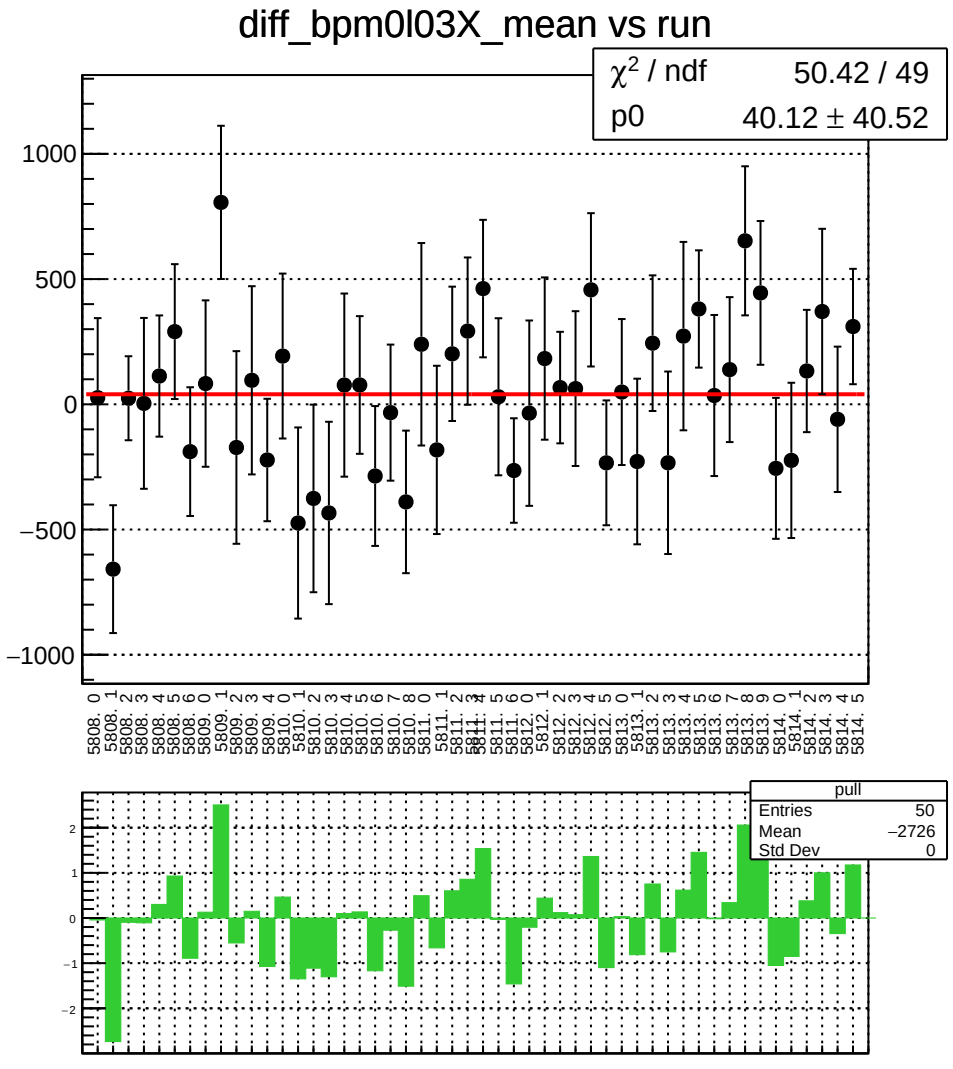

pull1D
Entries 50
Mean −0.03782
Std Dev 1.003

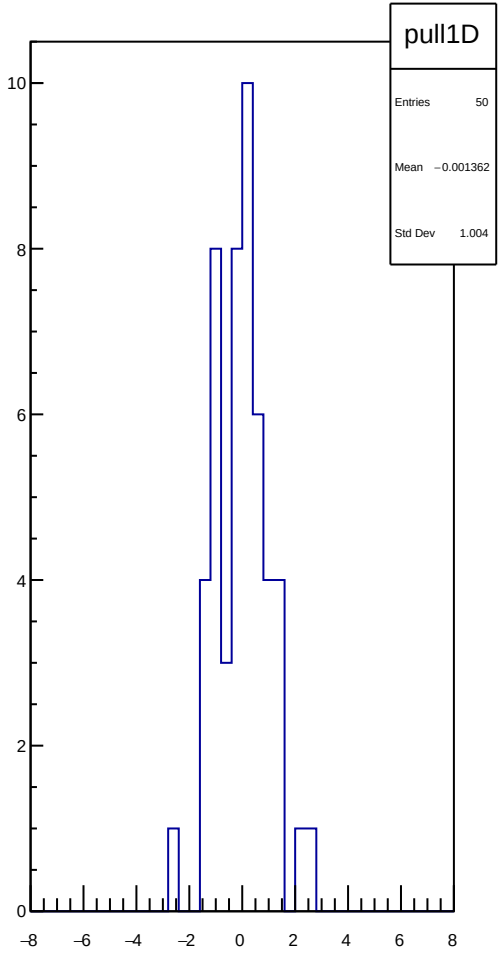

diff_bpm0l02X_rms vs run
χ² / ndf 7590 / 49
p0 1.027e+04 ± 10.57
14000
13000
12000
11000
10000
9000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

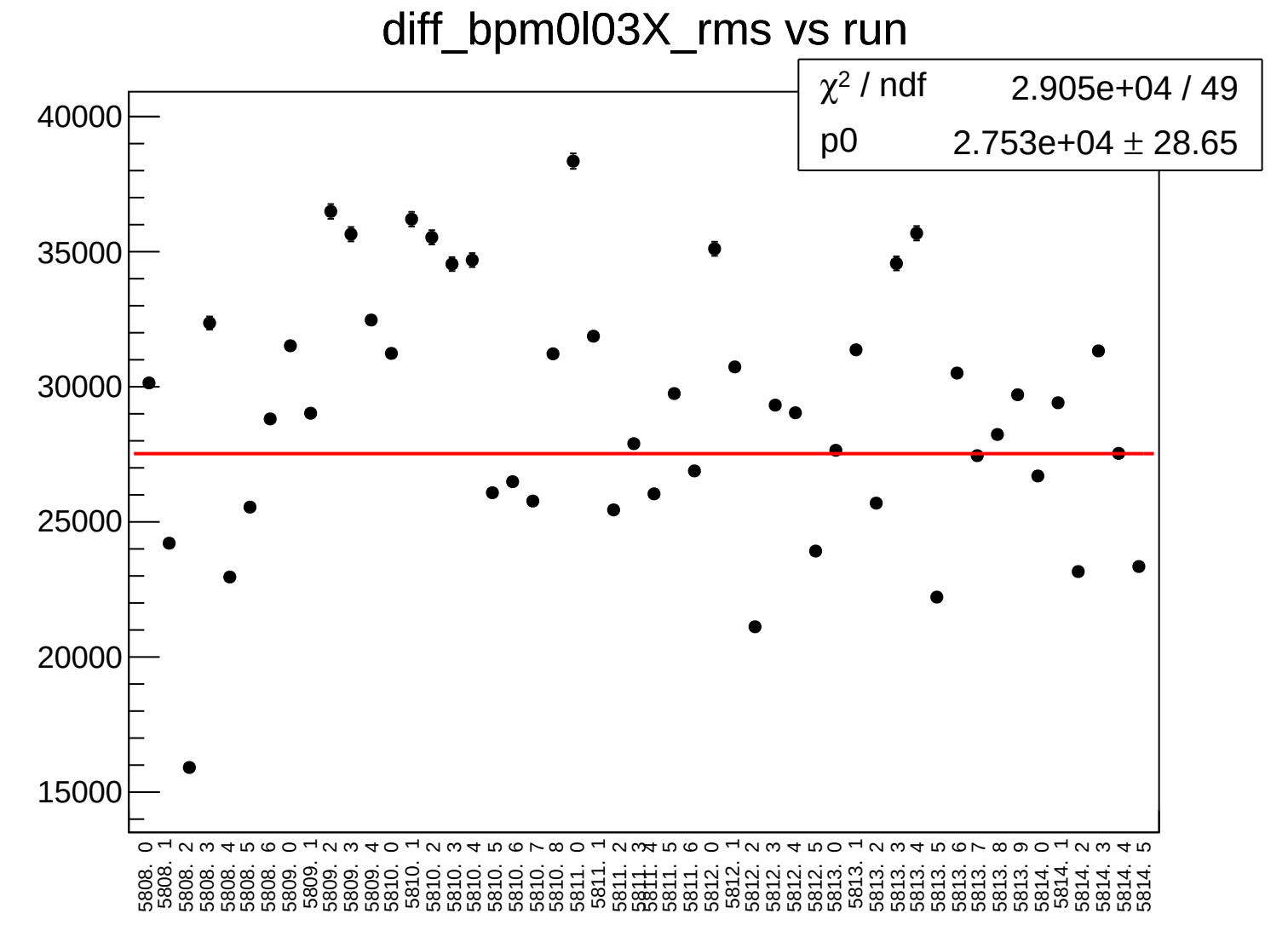

diff_bpm0l02Y_mean vs run
χ² / ndf 59.04 / 49
p0 −3.78 ± 8.04
pull
Entries 50
Mean −152.1
Std Dev 0

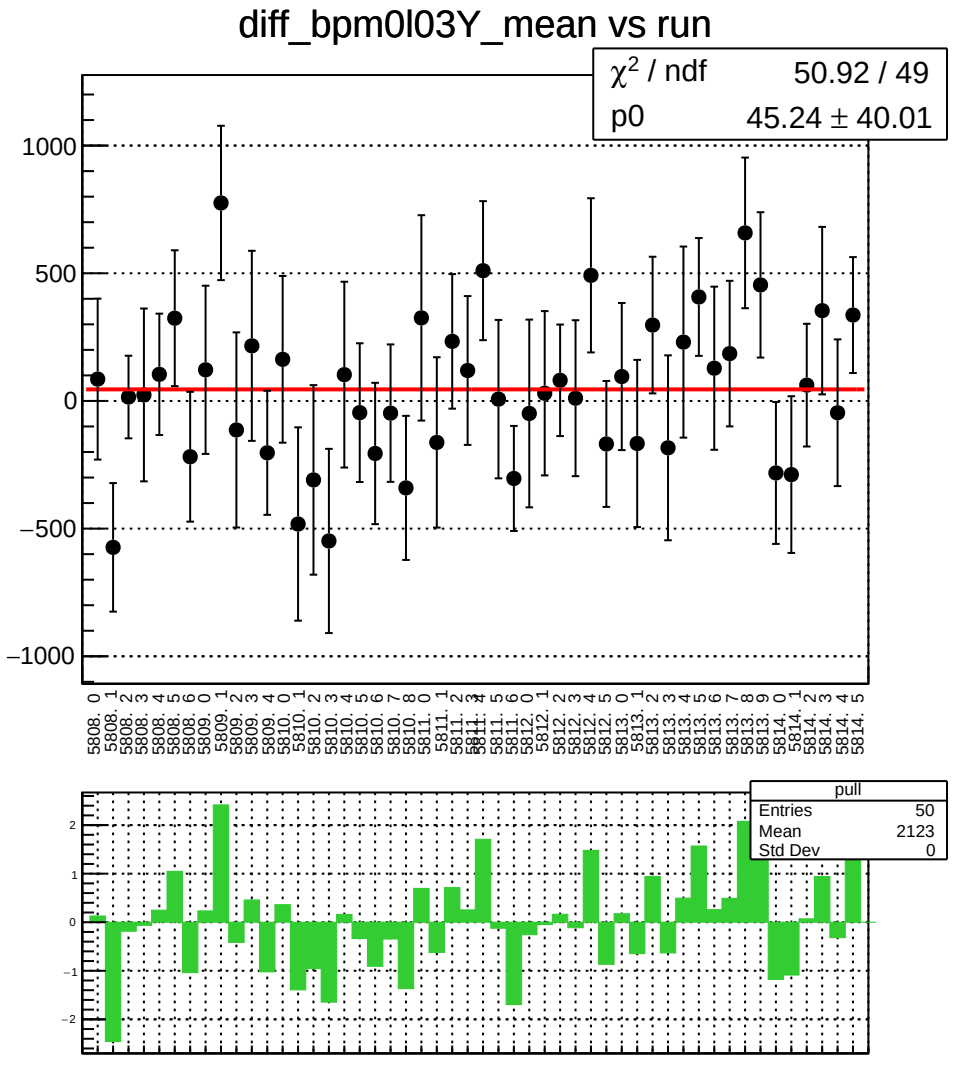

pull1D
Entries 50
Mean 0.00917
Std Dev 1.087

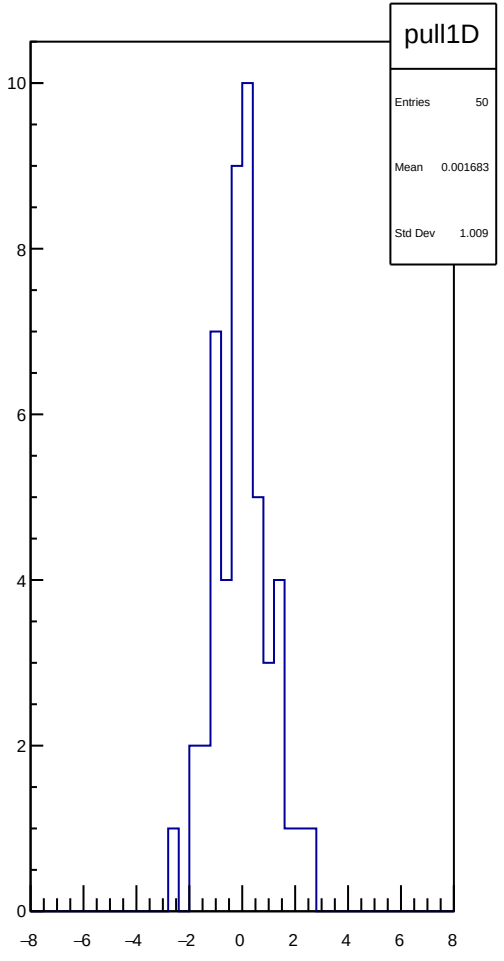

diff_bpm0l02Y_rms vs run
χ² / ndf 4.5e+04 / 49
p0 5414 ± 5.685
11000
10000
9000
8000
7000
6000
5000
4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

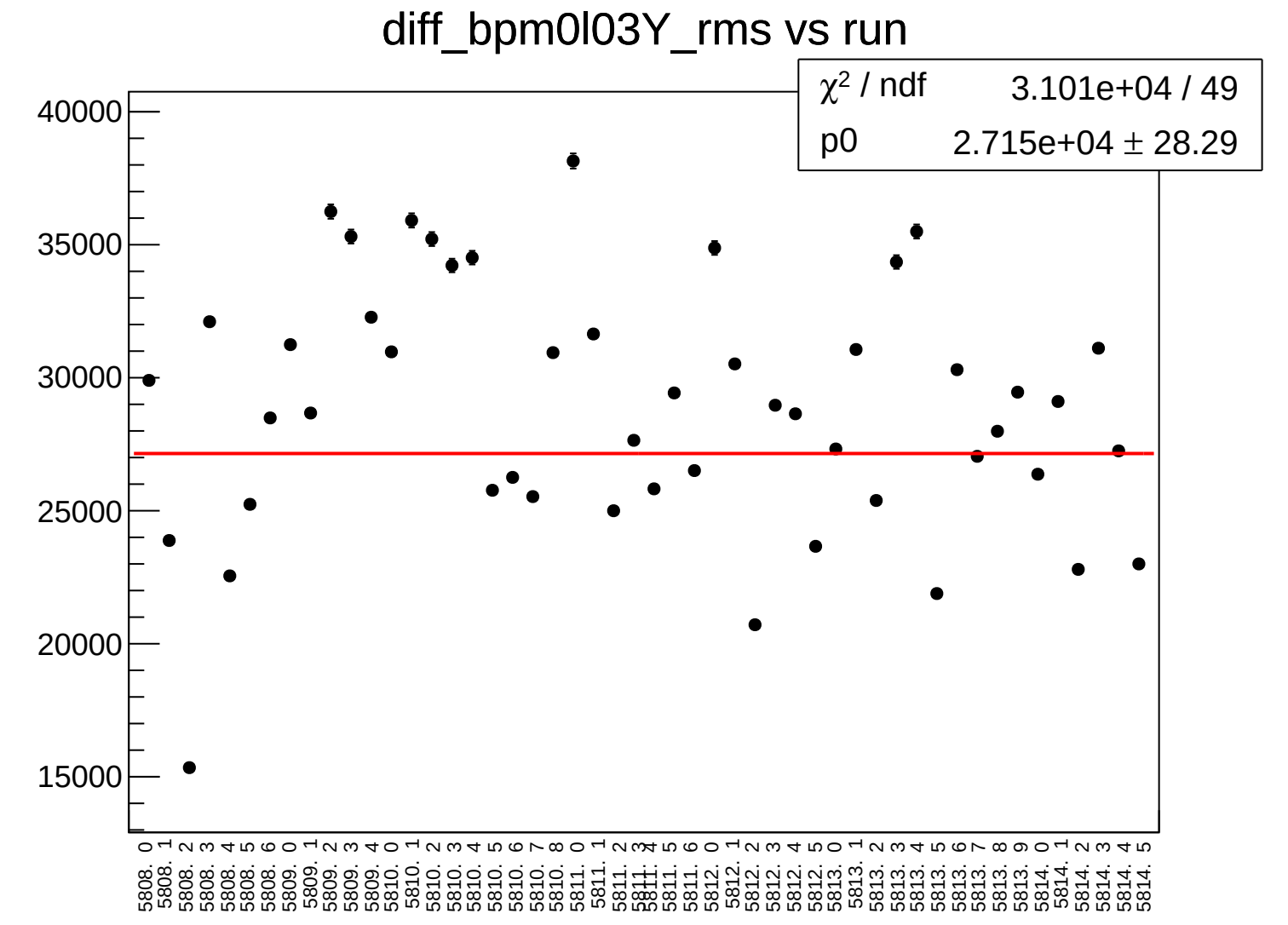

diff_bpm0l03X_mean vs run
χ² / ndf 50.42 / 49
p0 40.12 ± 40.52
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2726
Std Dev 0
2
1
0
−1
−2

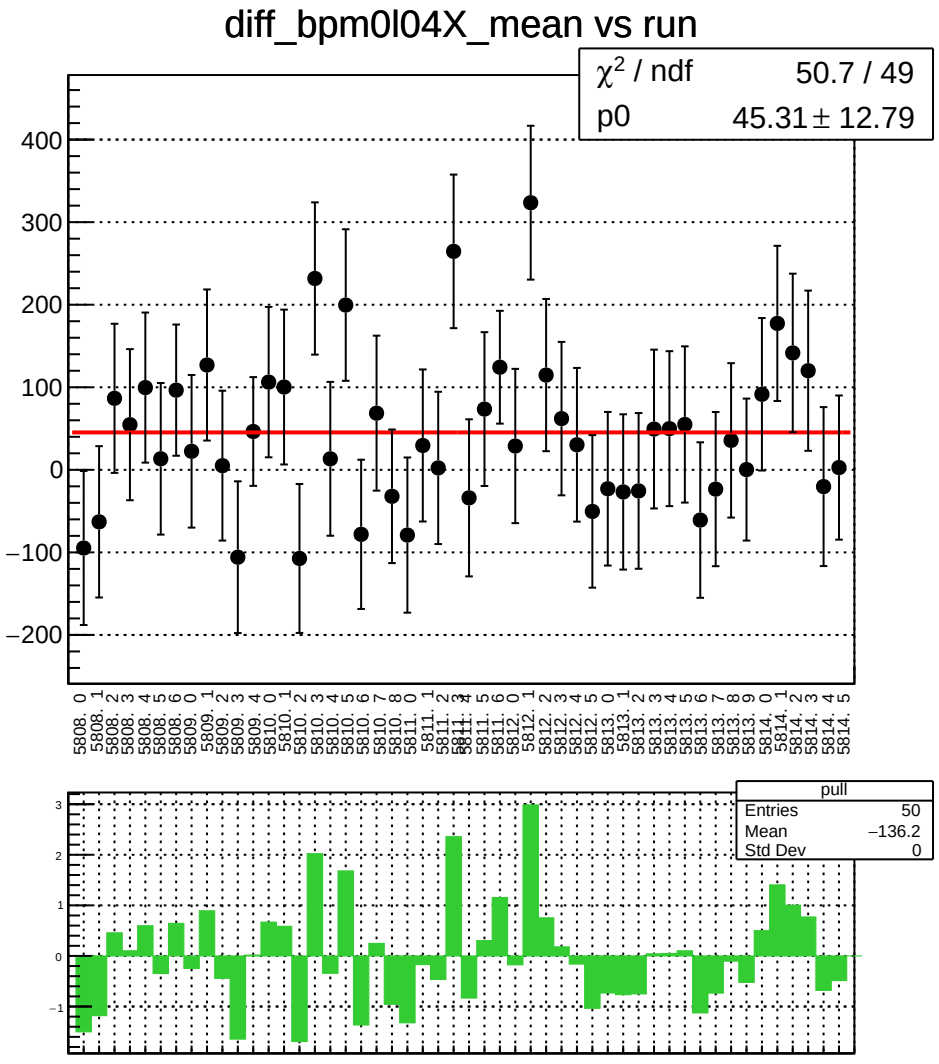

pull1D
Entries 50
Mean −0.001362
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

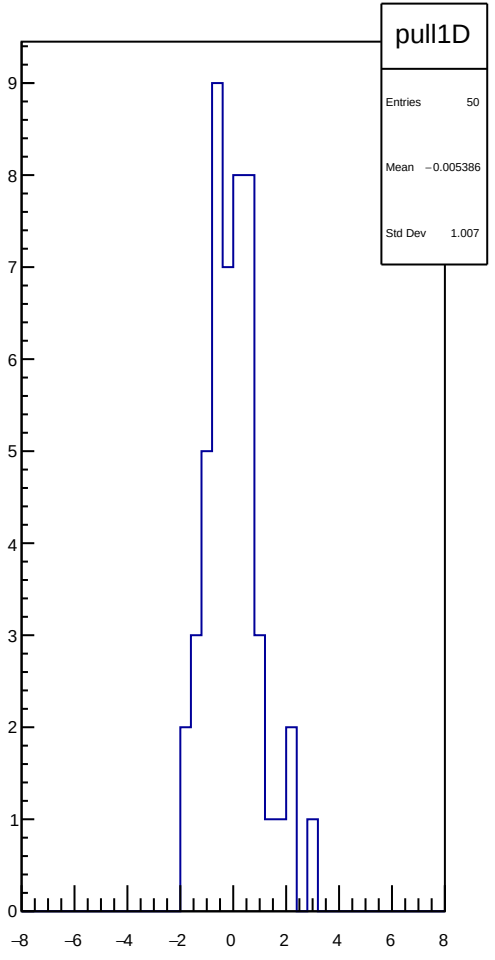

diff_bpm0l03X_rms vs run
χ² / ndf 2.905e+04 / 49
p0 2.753e+04 ± 28.65
40000
35000
30000
25000
20000
15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

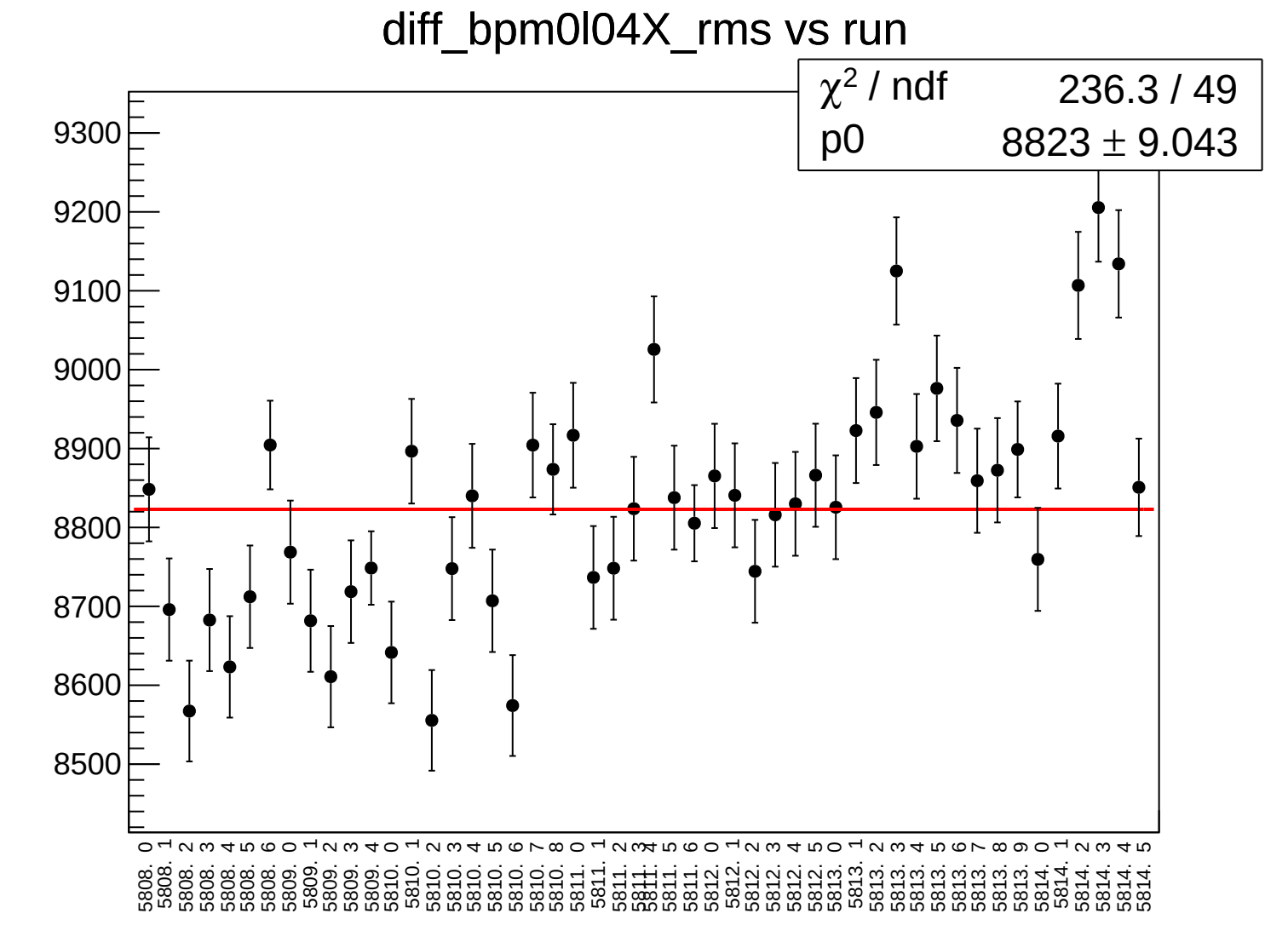

diff_bpm0l03Y_mean vs run
χ² / ndf 50.92 / 49
p0 45.24 ± 40.01
1000
500
0
−500
−1000
pull
Entries 50
Mean 2123
Std Dev 0
2
1
0
−1
−2

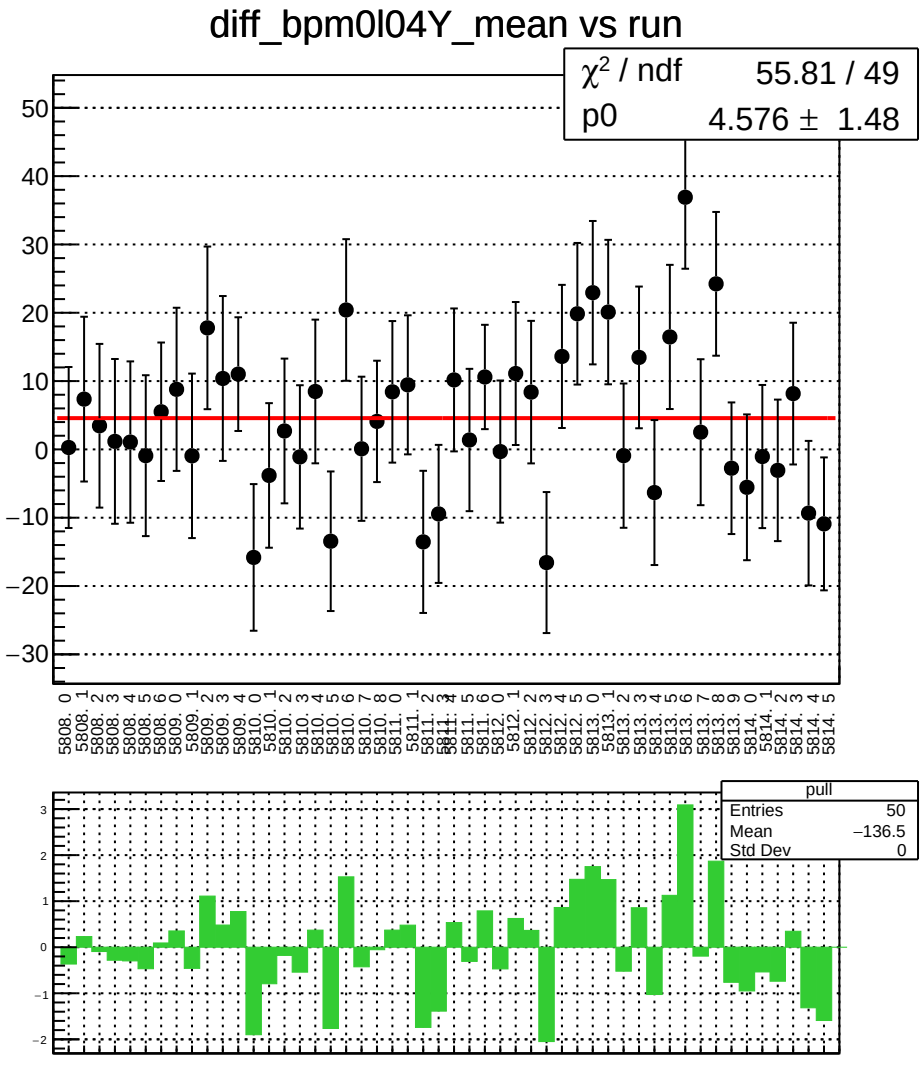

pull1D
Entries 50
Mean 0.001683
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

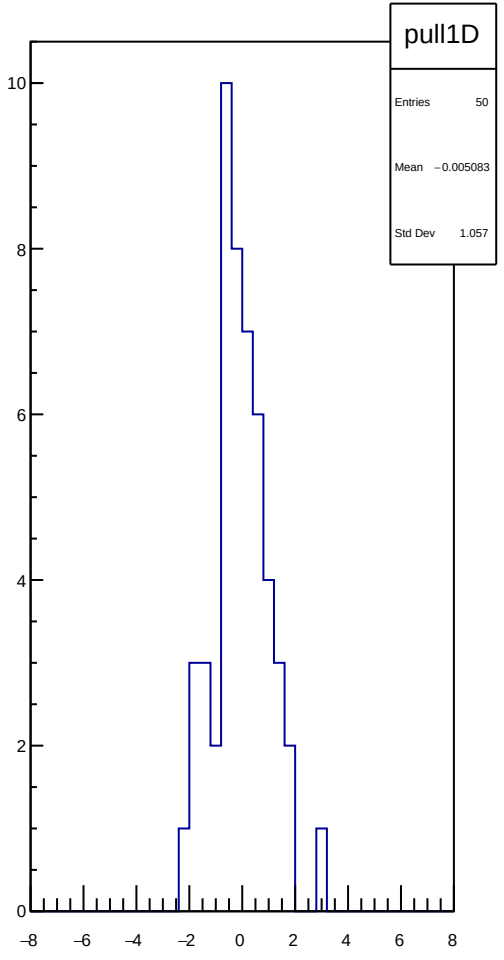

diff_bpm0l03Y_rms vs run
χ² / ndf 3.101e+04 / 49
p0 2.715e+04 ± 28.29
40000
35000
30000
25000
20000
15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

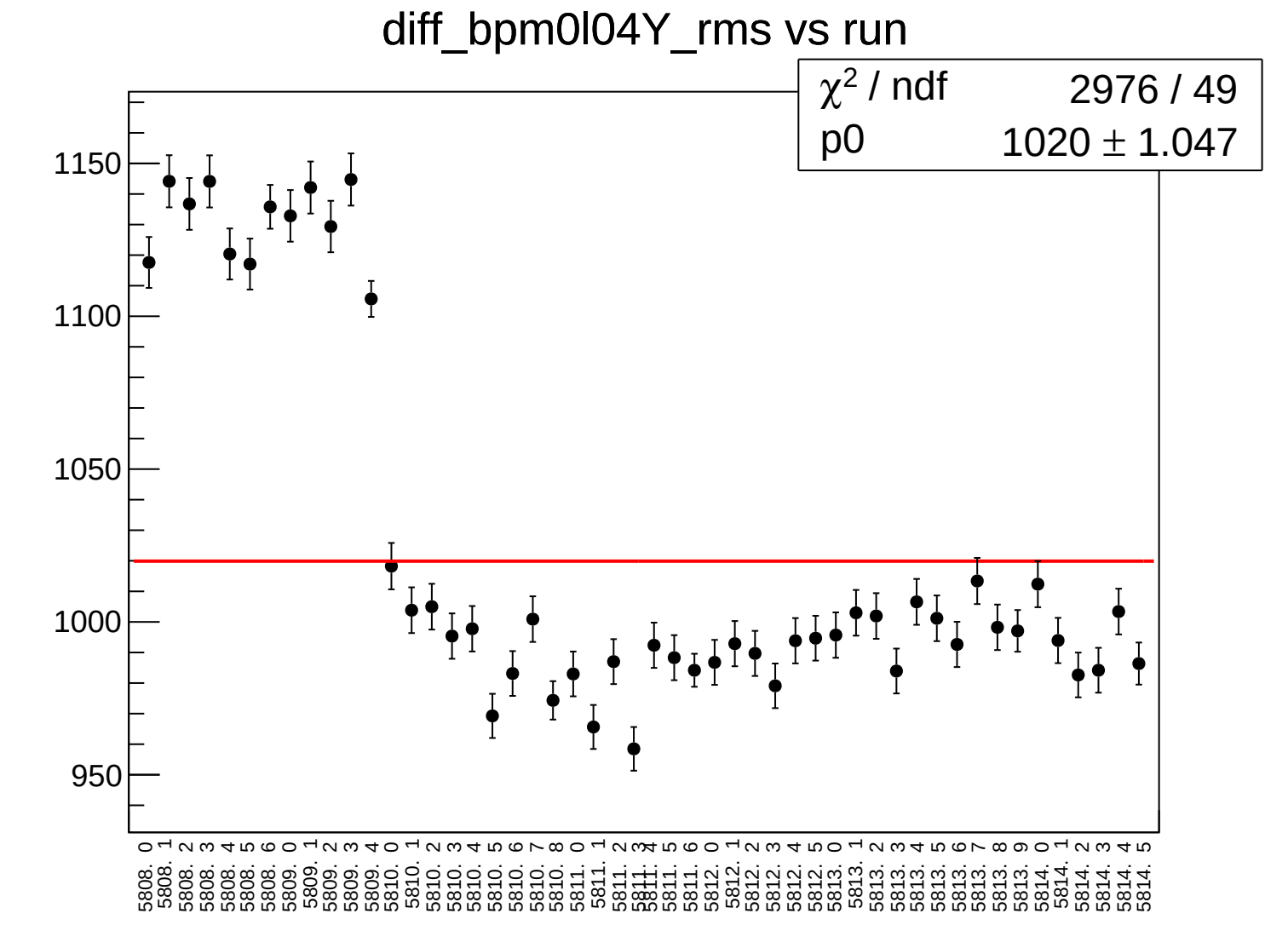

diff_bpm0l04X_mean vs run
χ² / ndf 50.7 / 49
p0 45.31 ± 12.79
pull
Entries 50
Mean −136.2
Std Dev 0

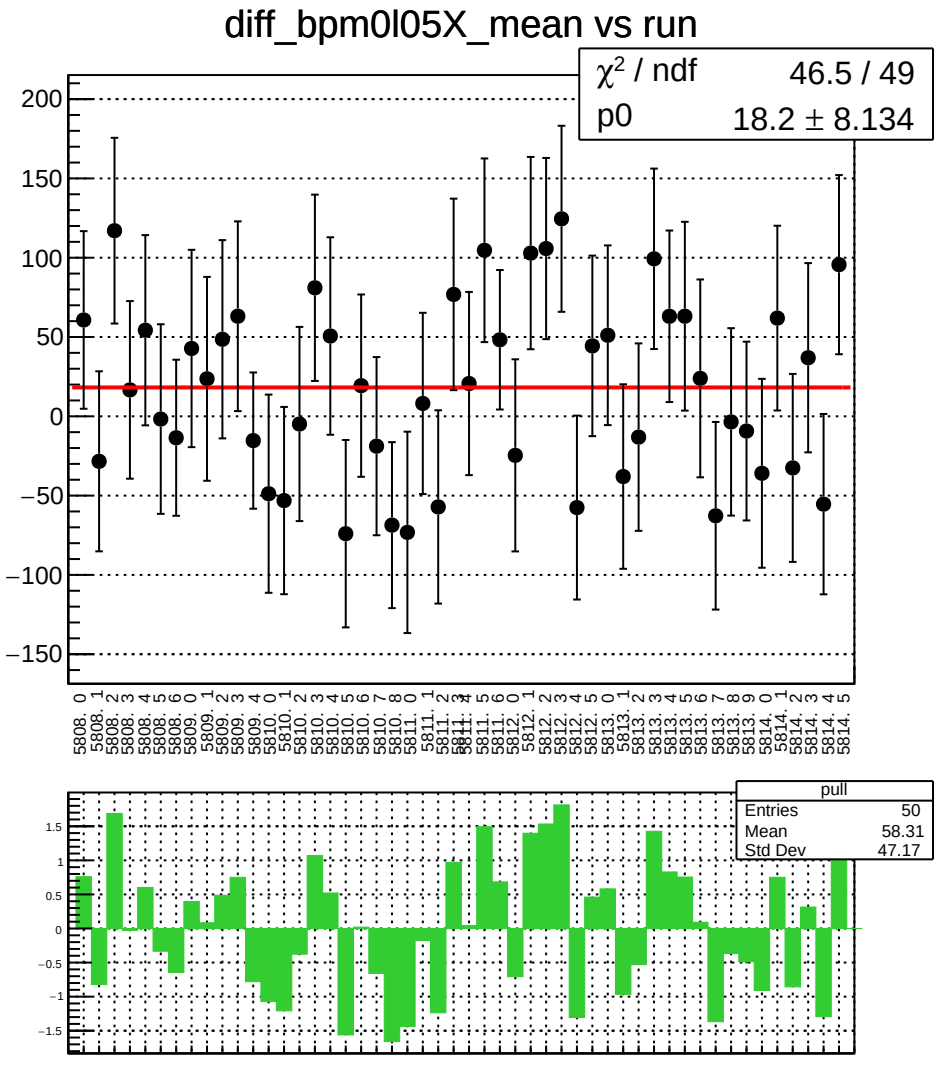

pull1D
Entries 50
Mean −0.005386
Std Dev 1.007

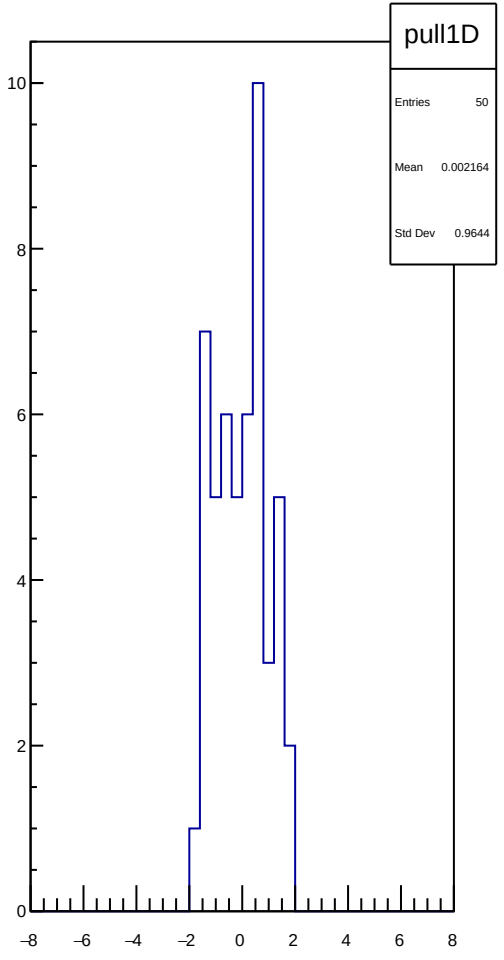

diff_bpm0l04X_rms vs run
χ² / ndf 236.3 / 49
p0 8823 ± 9.043
9300
9200
9100
9000
8900
8800
8700
8600
8500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

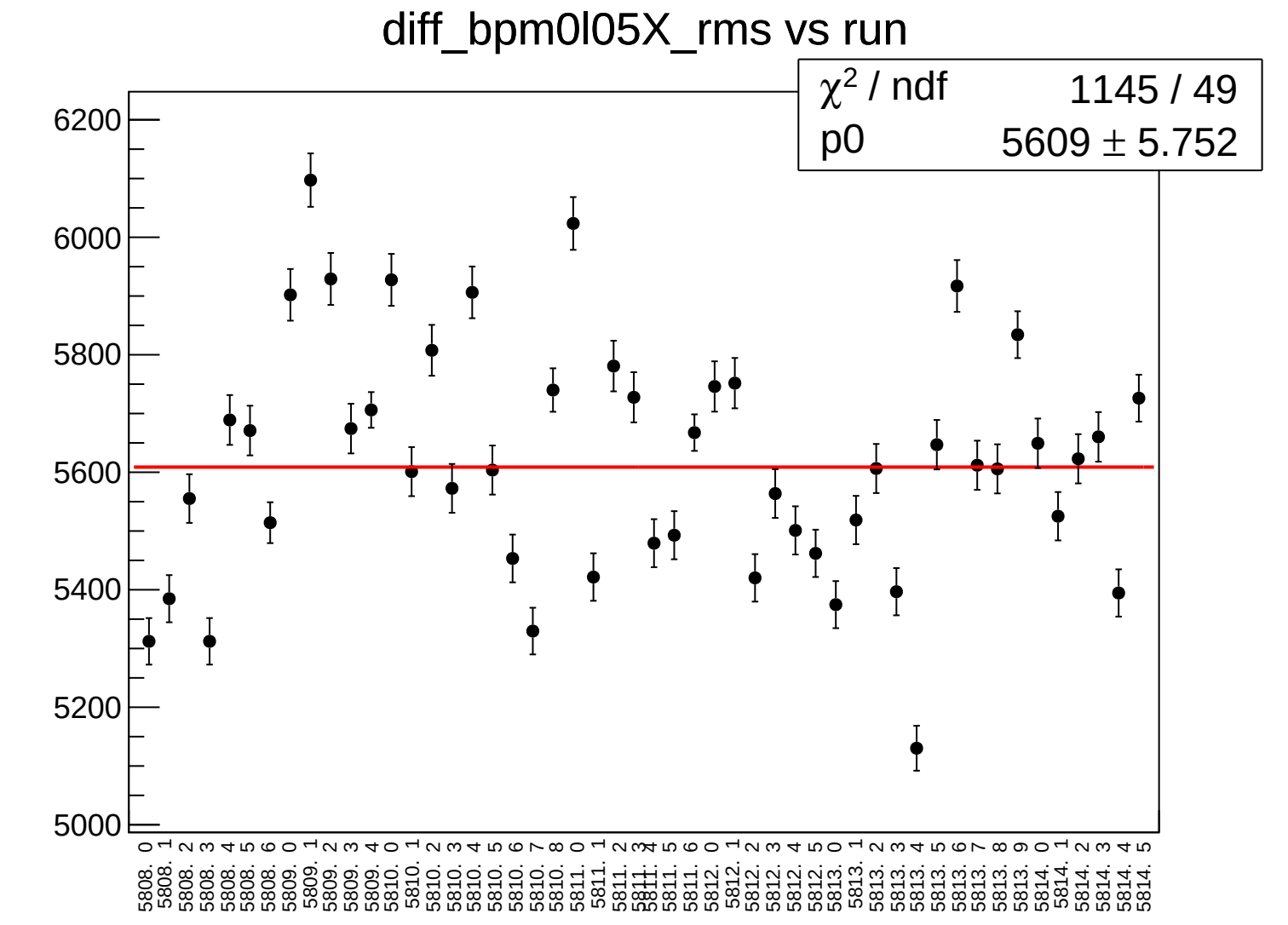

diff_bpm0l04Y_mean vs run
χ² / ndf 55.81 / 49
p0 4.576 ± 1.48
pull
Entries 50
Mean −136.5
Std Dev 0

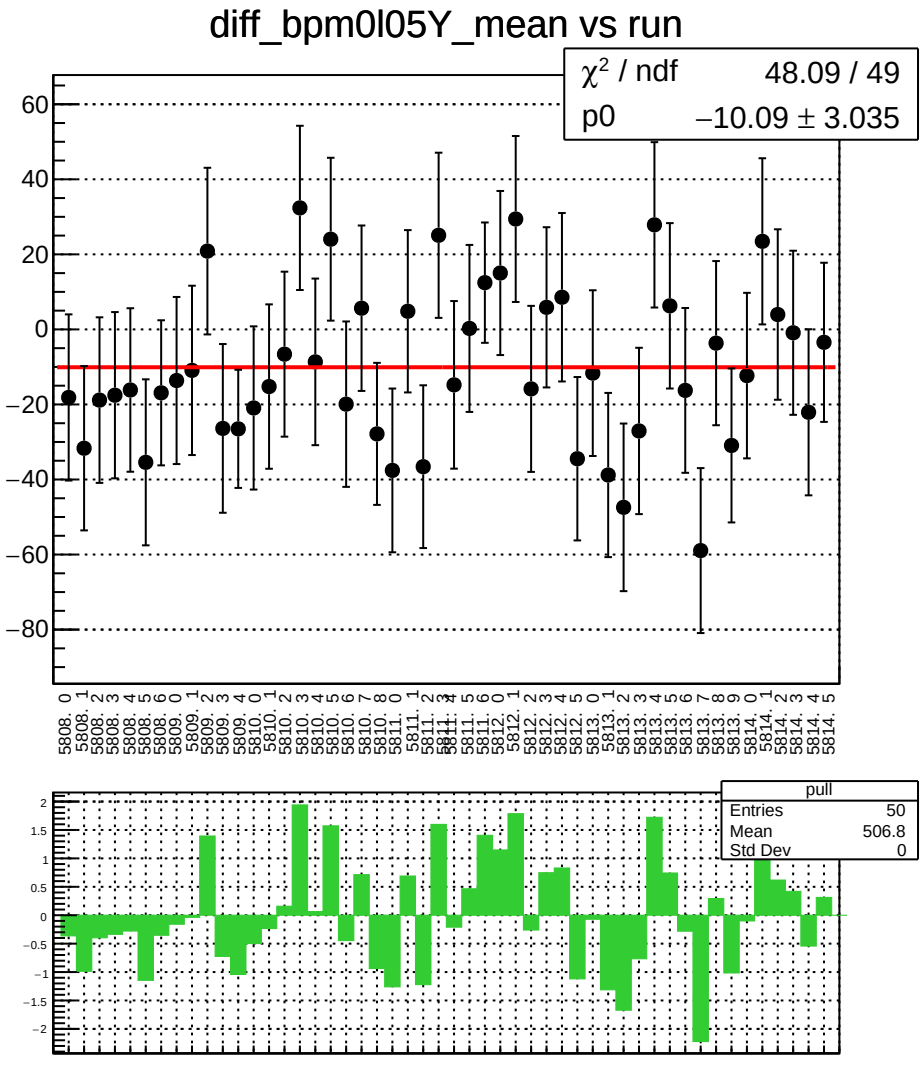

pull1D
Entries 50
Mean −0.005083
Std Dev 1.057

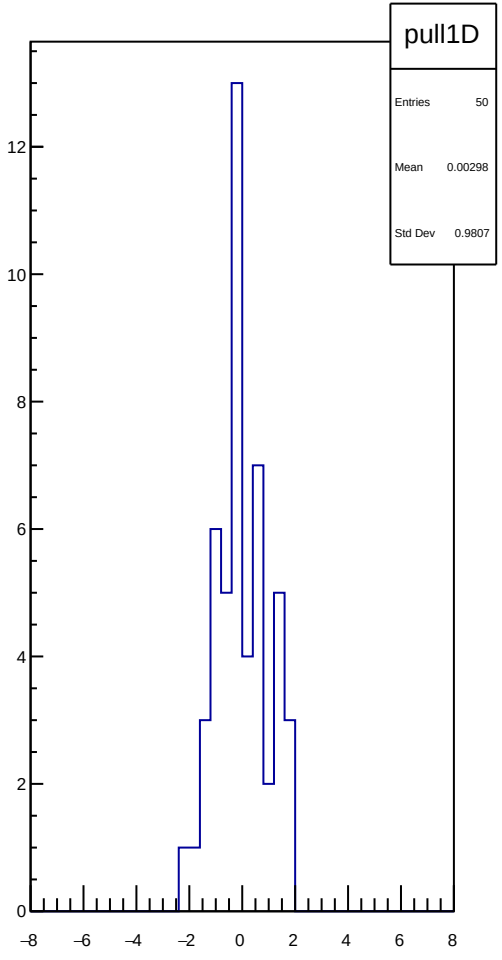

diff_bpm0l04Y_rms vs run
χ² / ndf 2976 / 49
p0 1020 ± 1.047
1150
1100
1050
1000
950
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

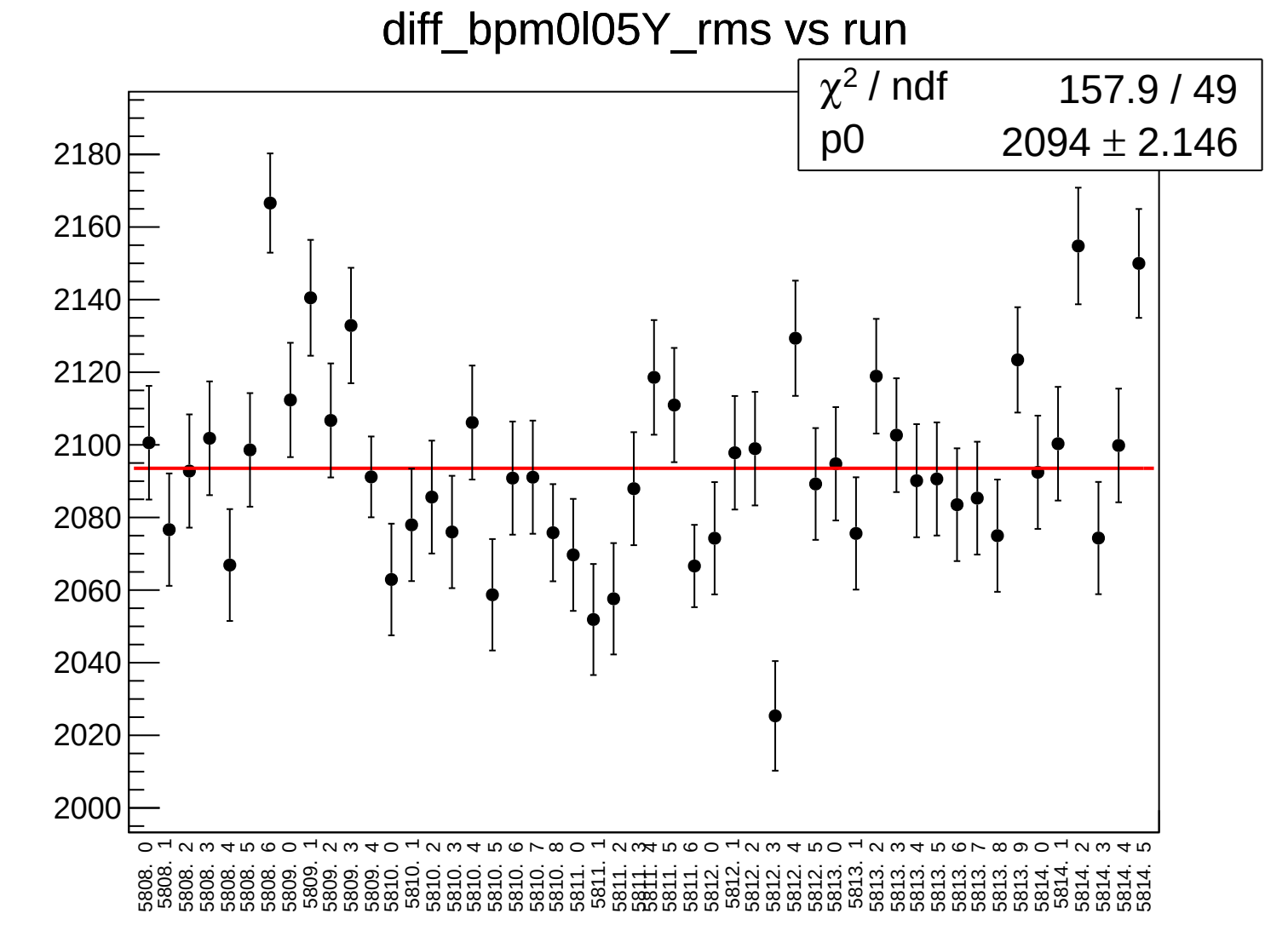

diff_bpm0l05X_mean vs run
χ^2 / ndf 46.5 / 49
p0 18.2 ± 8.134
pull
Entries 50
Mean 58.31
Std Dev 47.17

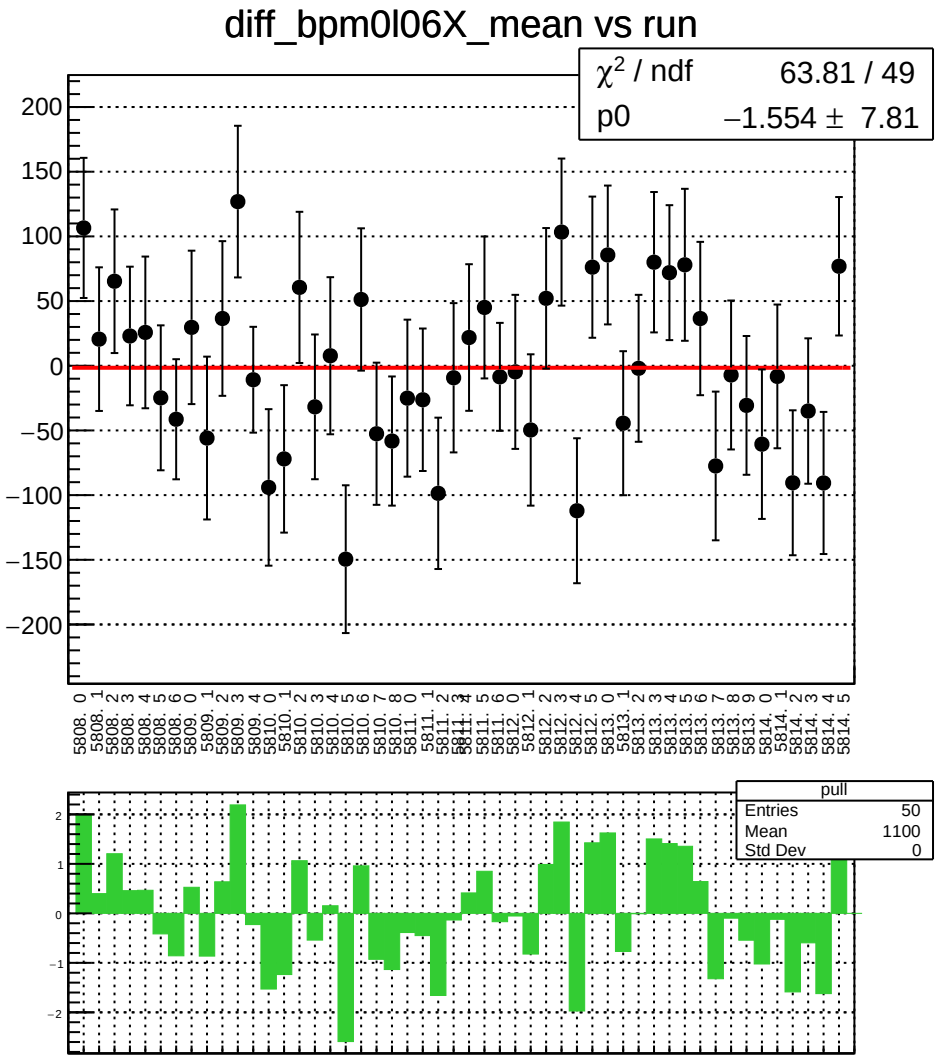

pull1D
Entries 50
Mean 0.002164
Std Dev 0.9644

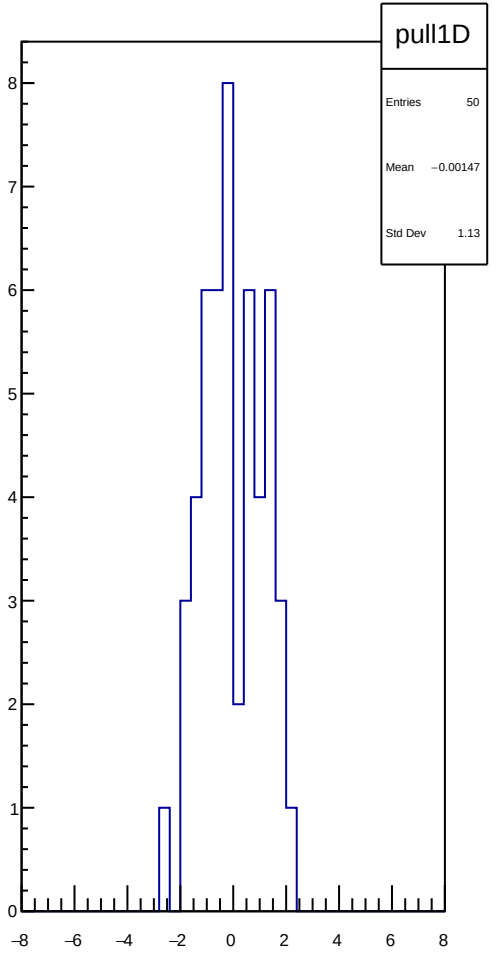

diff_bpm0l05X_rms vs run
χ² / ndf 1145 / 49
p0 5609 ± 5.752
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

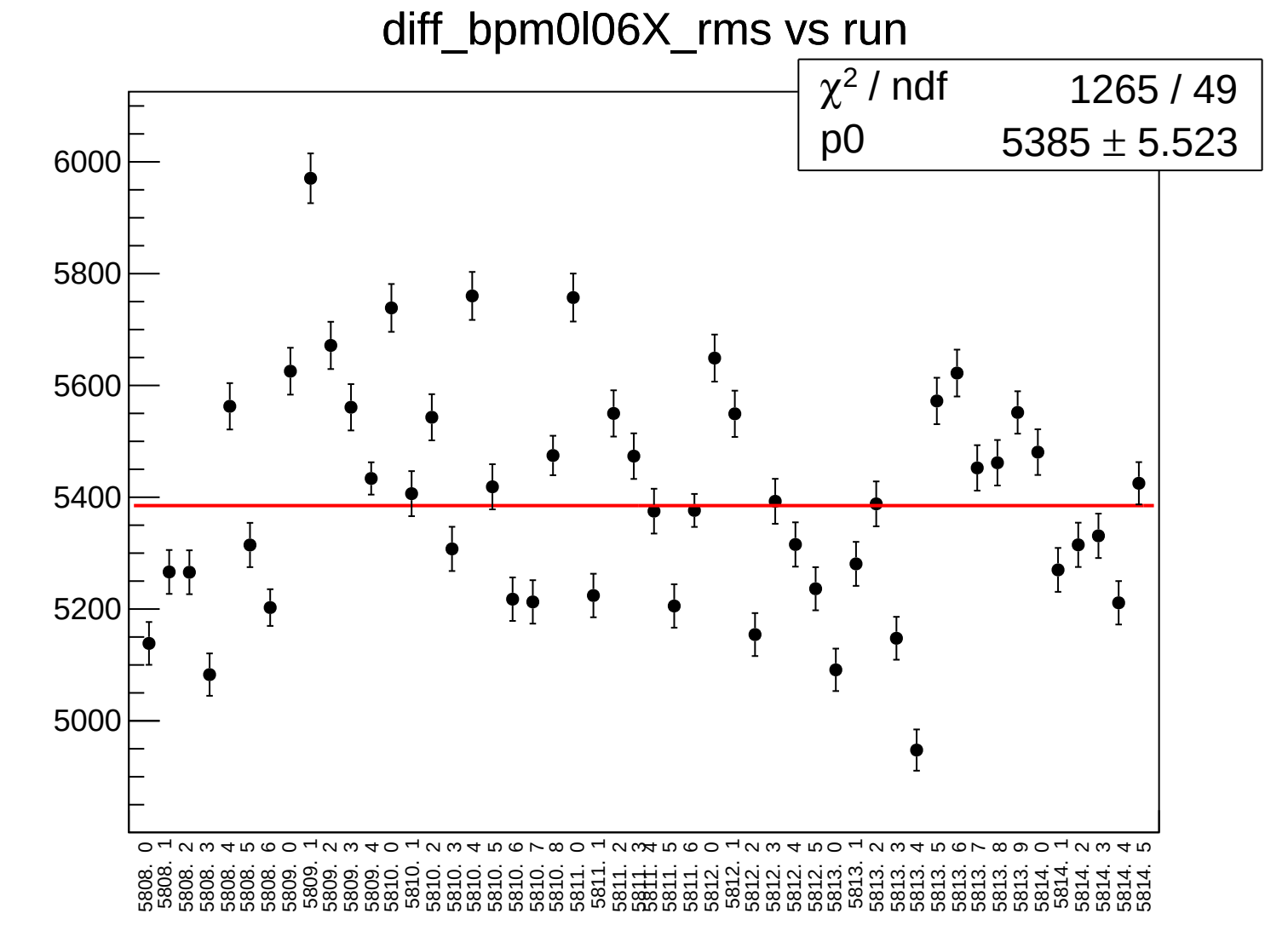

diff_bpm0l05Y_mean vs run
χ^2 / ndf 48.09 / 49
p0 −10.09 ± 3.035
pull
Entries 50
Mean 506.8
Std Dev 0

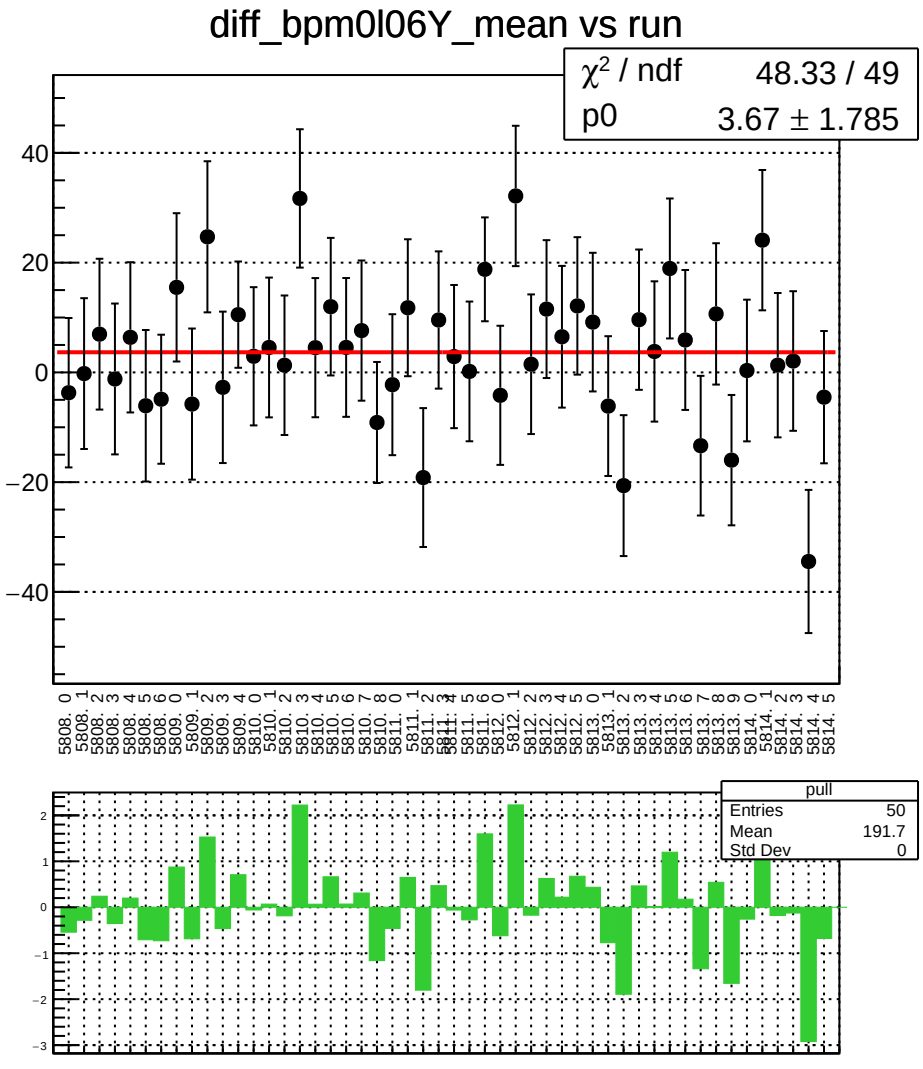

pull1D
Entries 50
Mean 0.00298
Std Dev 0.9807

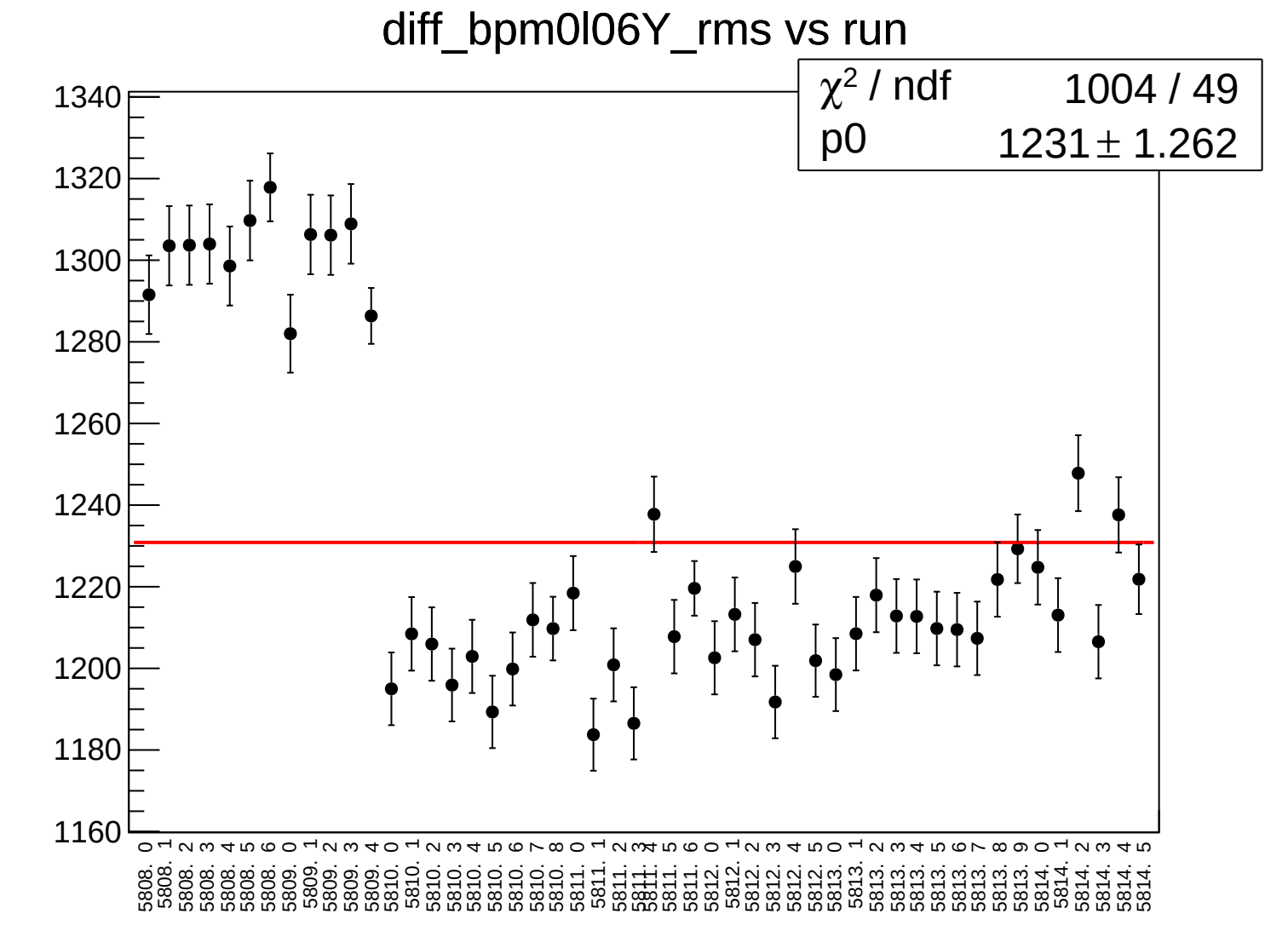

diff_bpm0l05Y_rms vs run
χ² / ndf 157.9 / 49
p0 2094 ± 2.146
2180
2160
2140
2120
2100
2080
2060
2040
2020
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

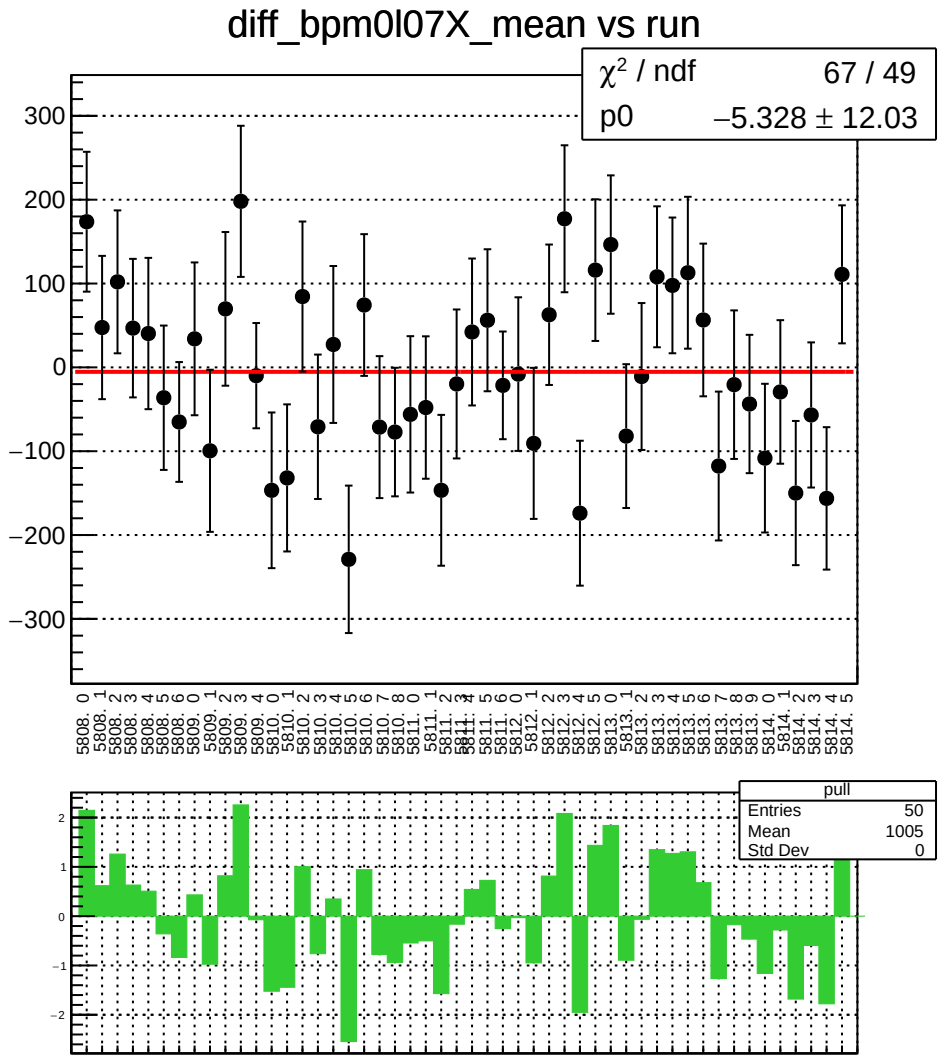

diff_bpm0l06X_mean vs run
χ² / ndf 63.81 / 49
p0 −1.554 ± 7.81
pull
Entries 50
Mean 1100
Std Dev 0

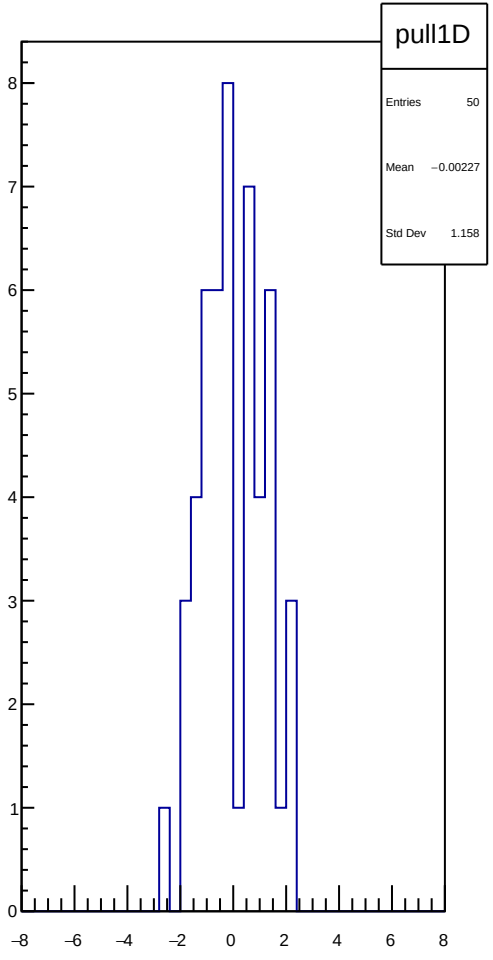

pull1D
Entries 50
Mean −0.00147
Std Dev 1.13

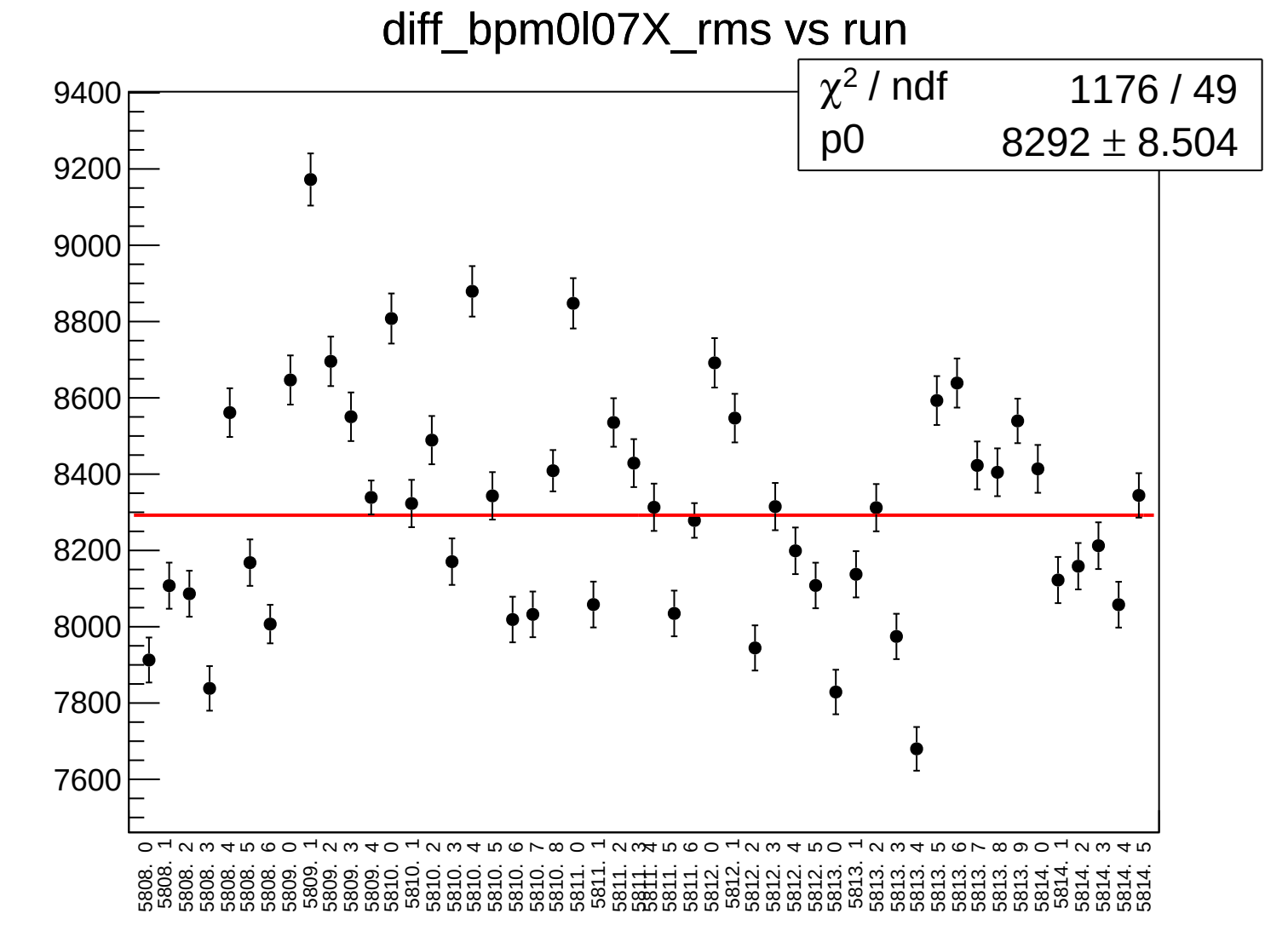

diff_bpm0l06X_rms vs run
χ² / ndf 1265 / 49
p0 5385 ± 5.523
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

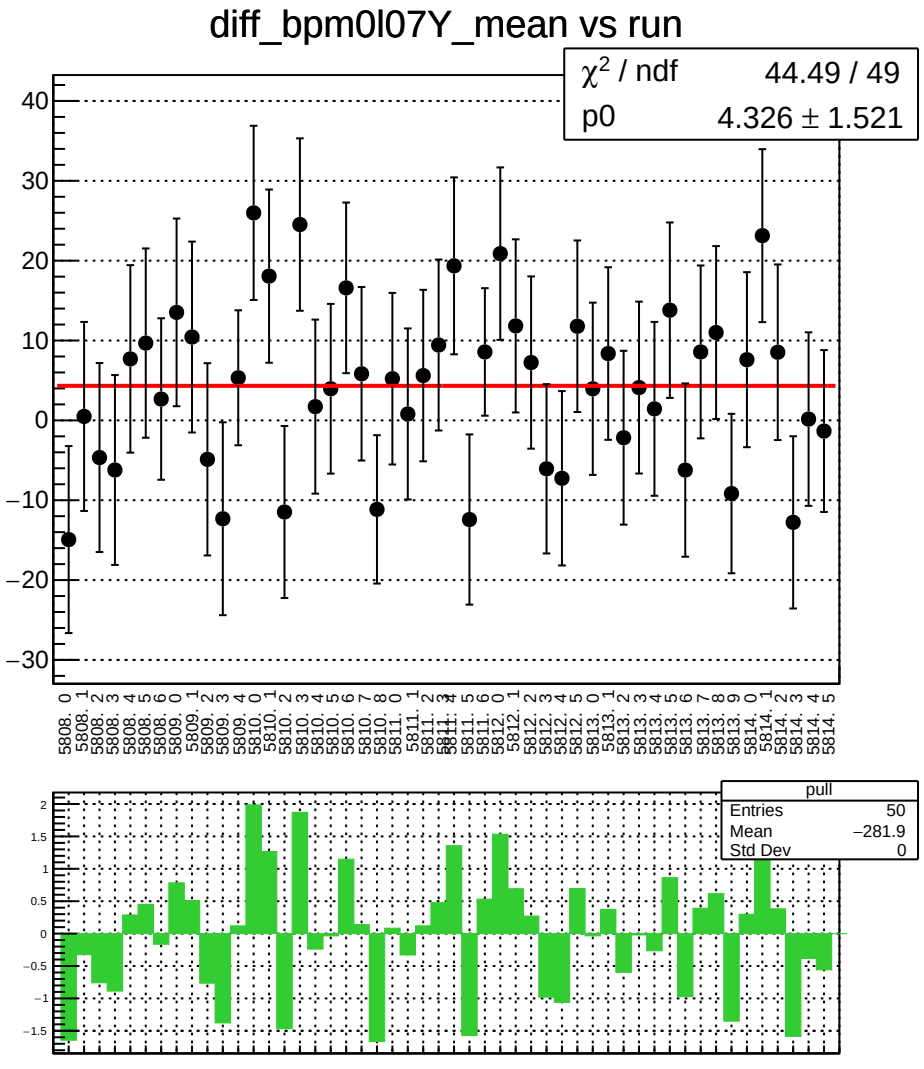

diff_bpm0l06Y_mean vs run
χ² / ndf 48.33 / 49
p0 3.67 ± 1.785
pull
Entries 50
Mean 191.7
Std Dev 0
pull1D
Entries 50
Mean −0.01076
Std Dev 0.9831

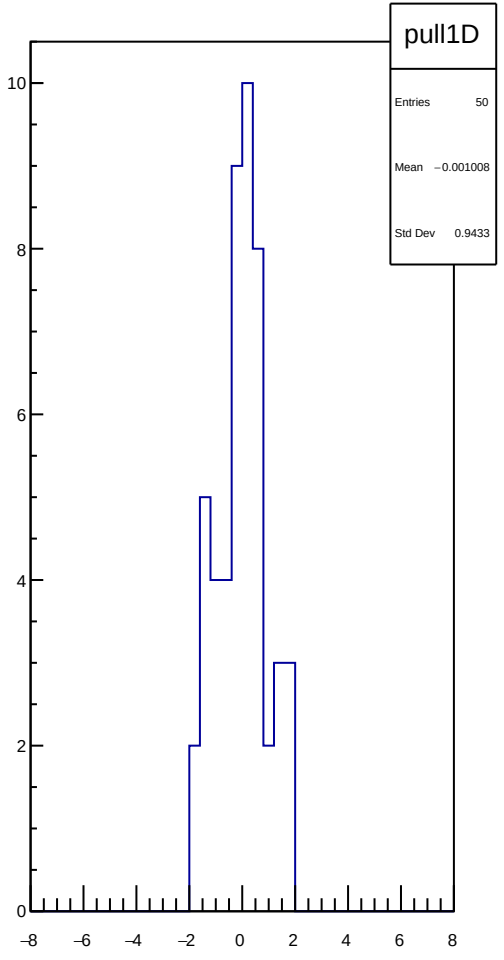

diff_bpm0l06Y_rms vs run
χ² / ndf 1004 / 49
p0 1231 ± 1.262
1340
1320
1300
1280
1260
1240
1220
1200
1180
1160
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

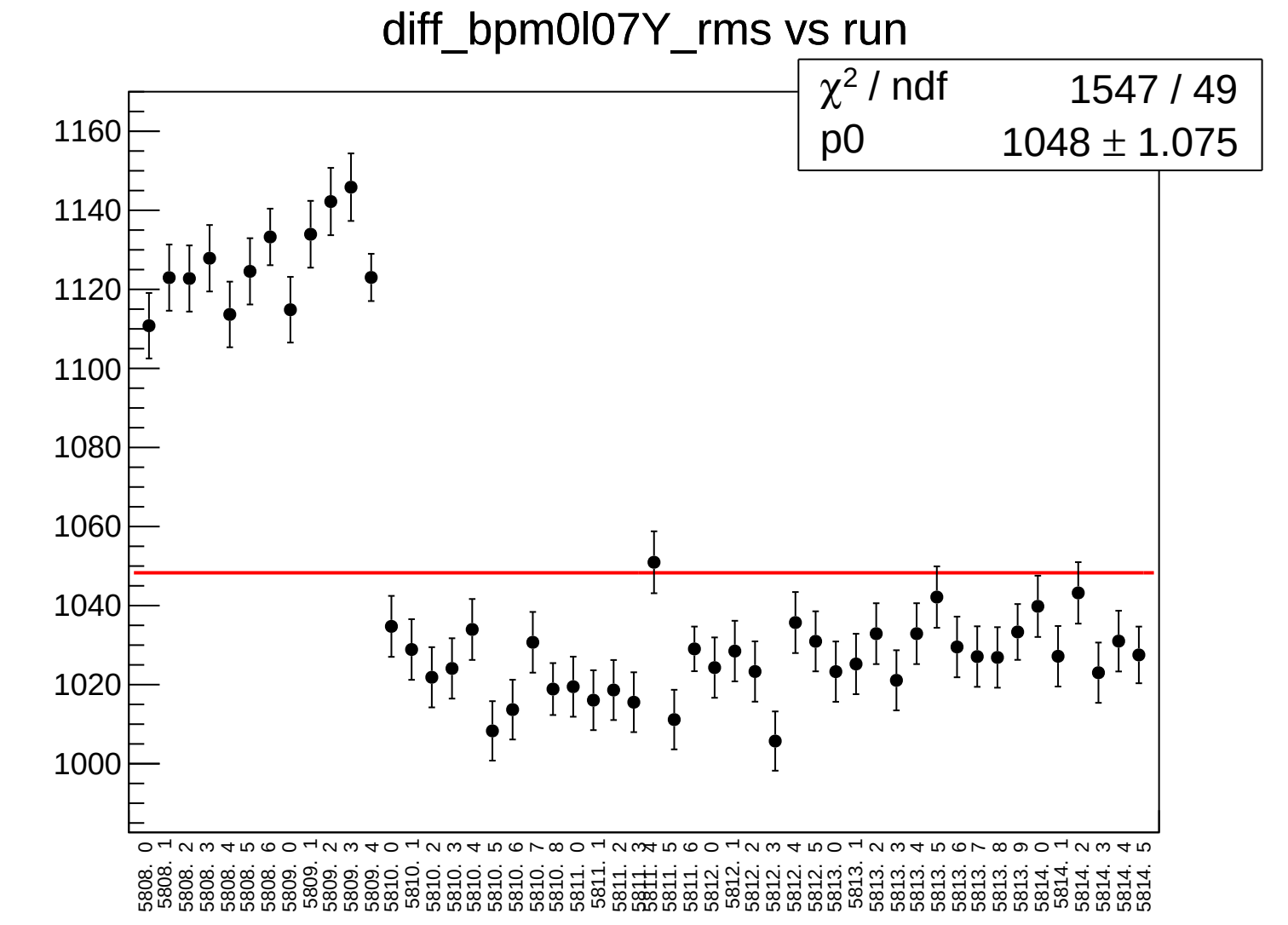

diff_bpm0l07X_mean vs run
χ² / ndf 67 / 49
p0 −5.328 ± 12.03
pull
Entries 50
Mean 1005
Std Dev 0

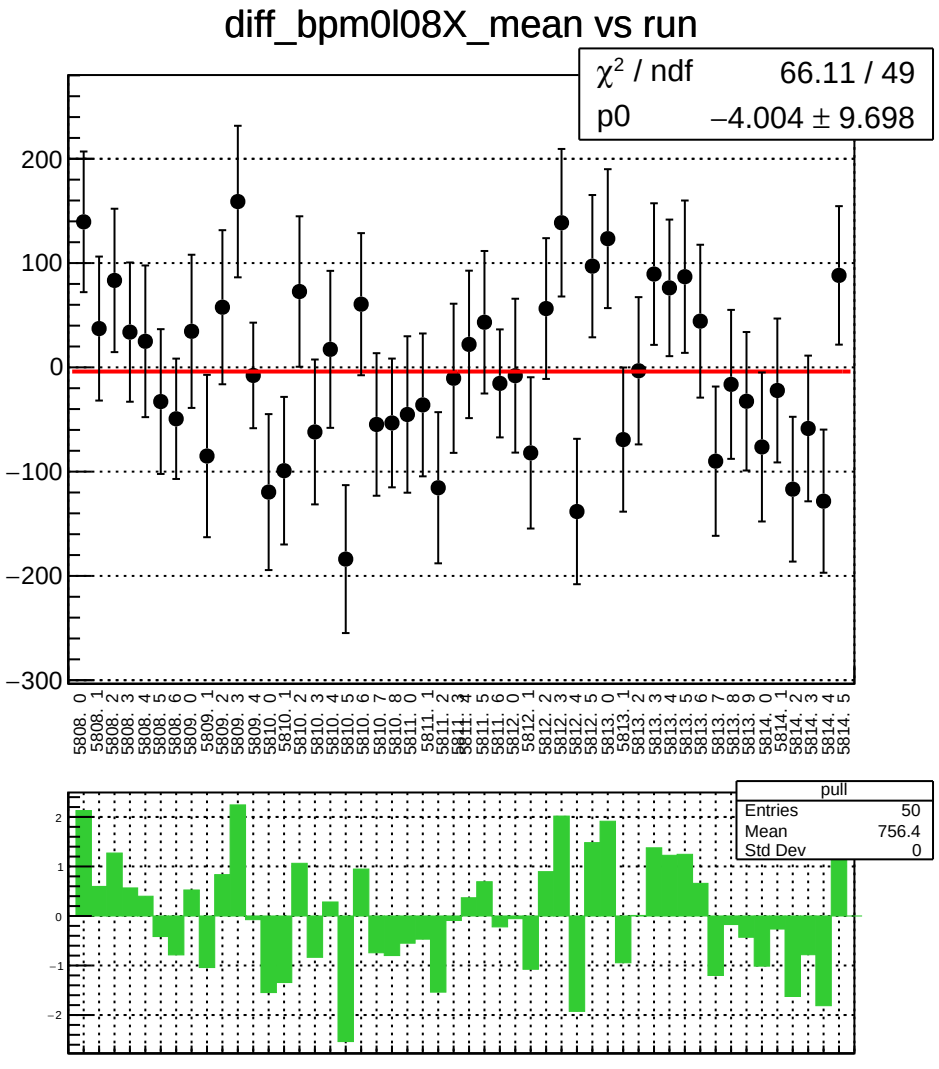

pull1D
Entries 50
Mean −0.00227
Std Dev 1.158

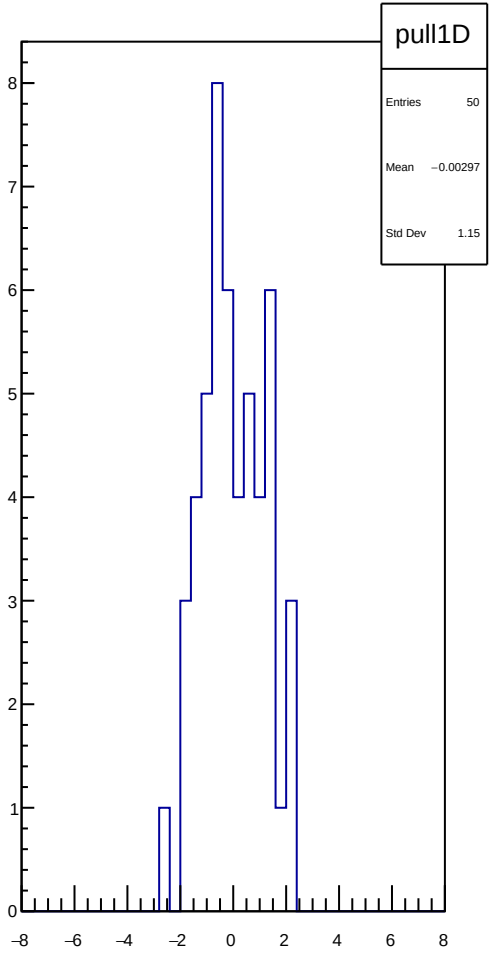

diff_bpm0l07X_rms vs run
χ² / ndf 1176 / 49
p0 8292 ± 8.504
9400
9200
9000
8800
8600
8400
8200
8000
7800
7600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

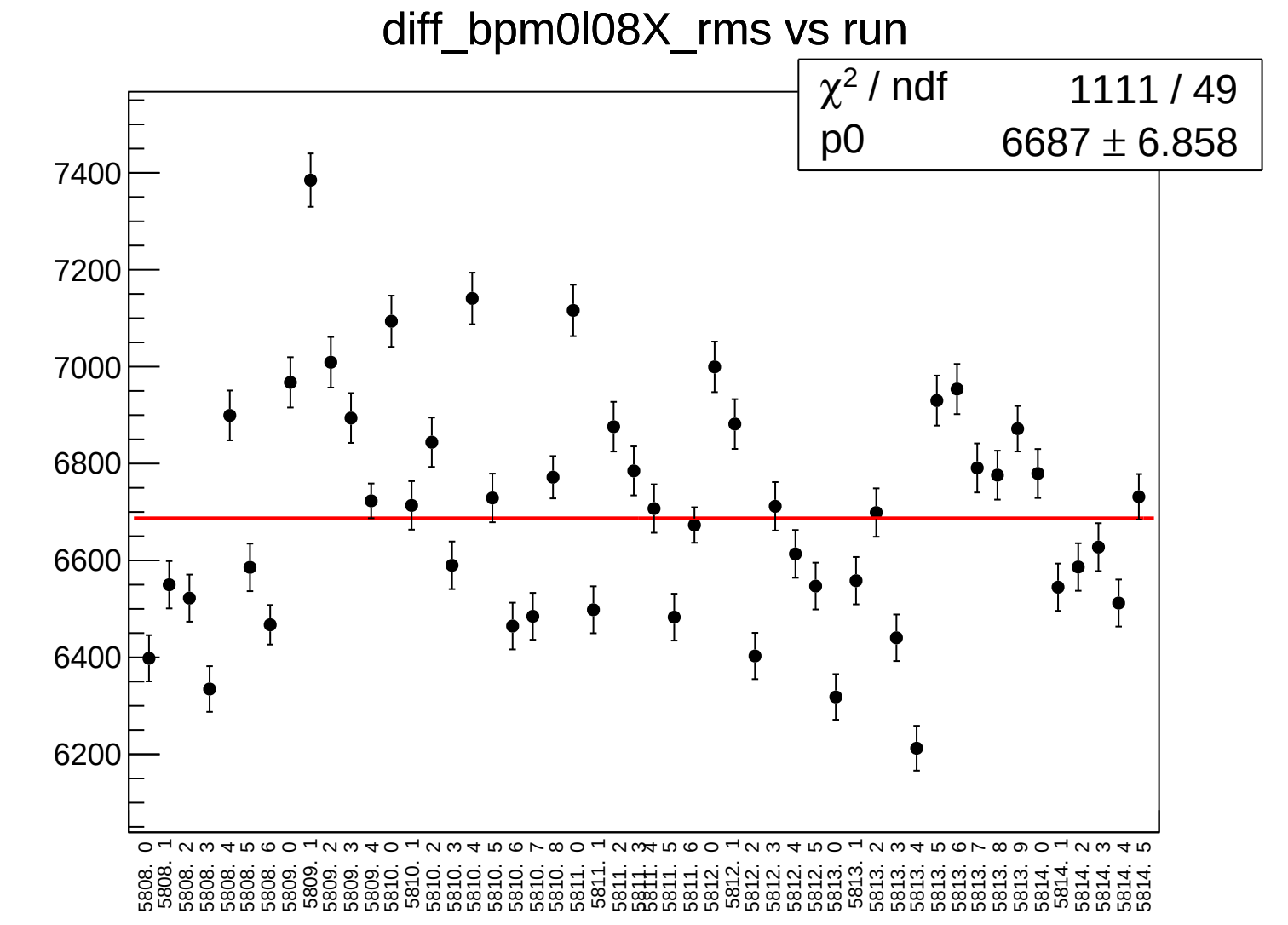

diff_bpm0l07Y_mean vs run
χ² / ndf 44.49 / 49
p0 4.326 ± 1.521
pull
Entries 50
Mean −281.9
Std Dev 0

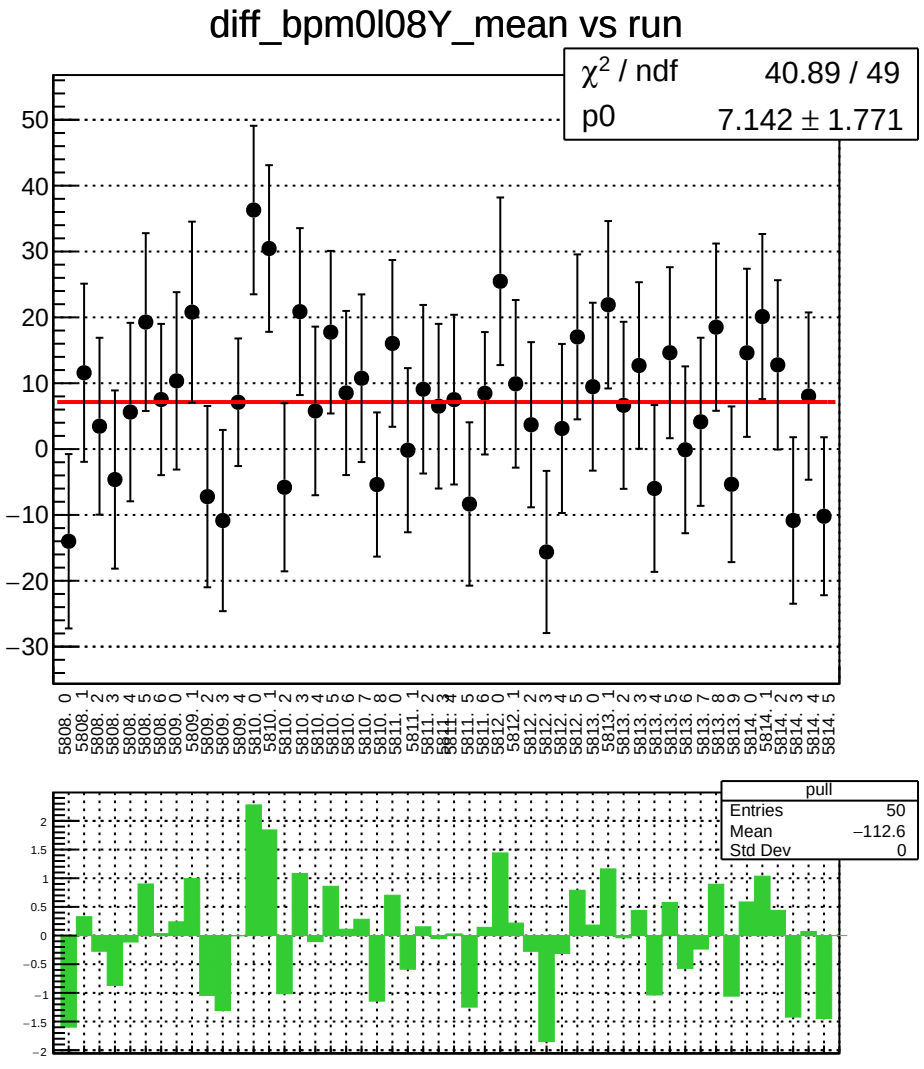

pull1D
Entries 50
Mean −0.001008
Std Dev 0.9433

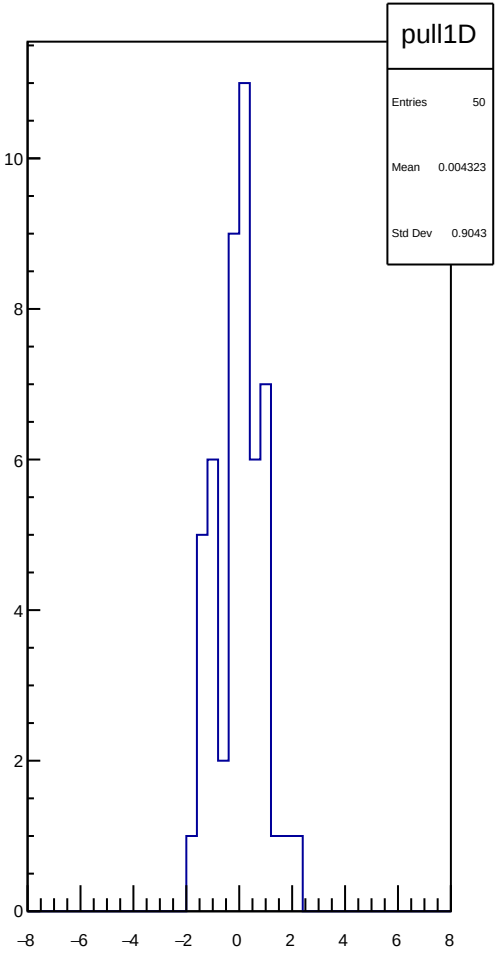

diff_bpm0l07Y_rms vs run
χ² / ndf 1547 / 49
p0 1048 ± 1.075
1160
1140
1120
1100
1080
1060
1040
1020
1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

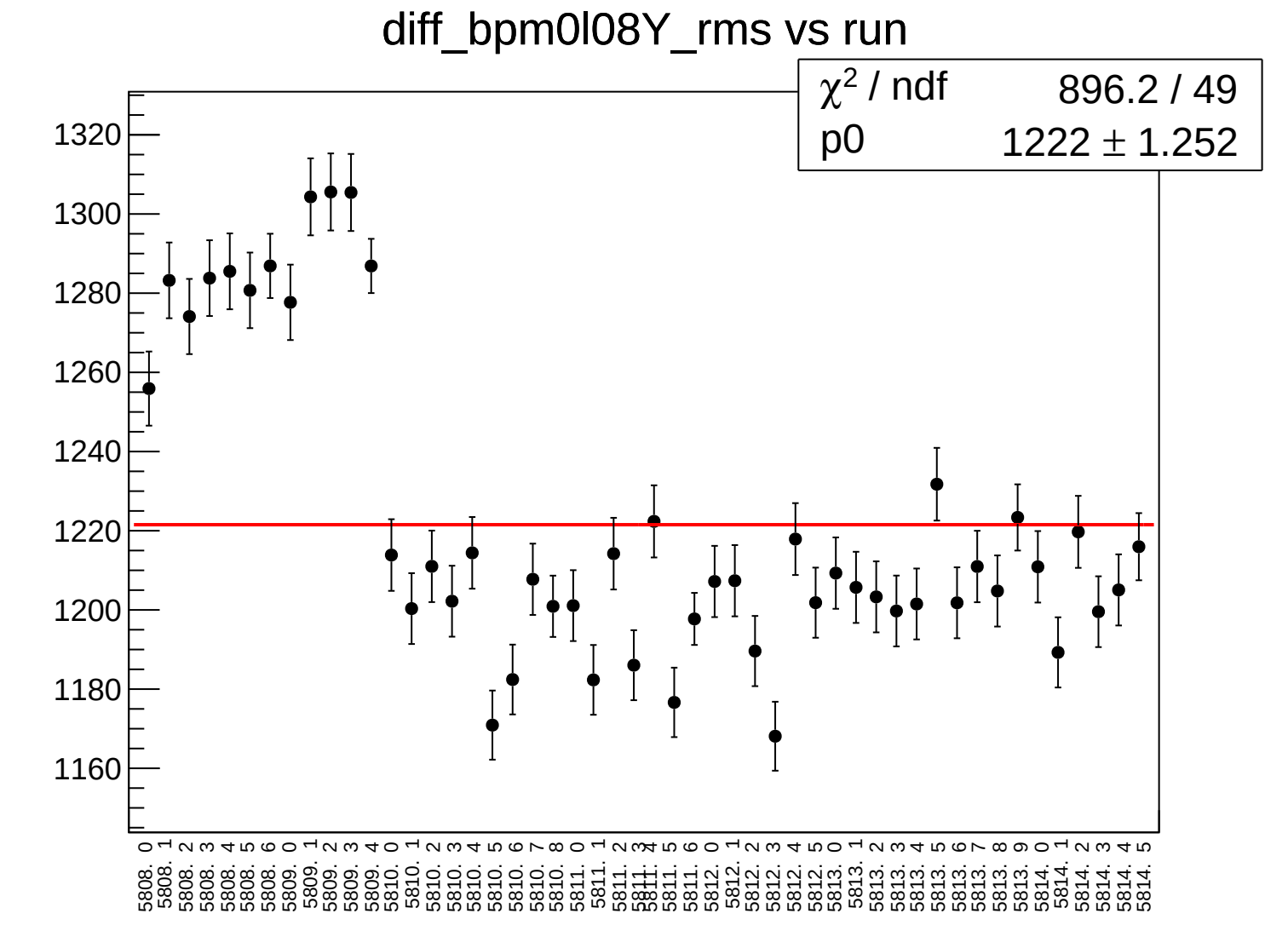

diff_bpm0l08X_mean vs run
χ² / ndf 66.11 / 49
p0 −4.004 ± 9.698
pull
Entries 50
Mean 756.4
Std Dev 0

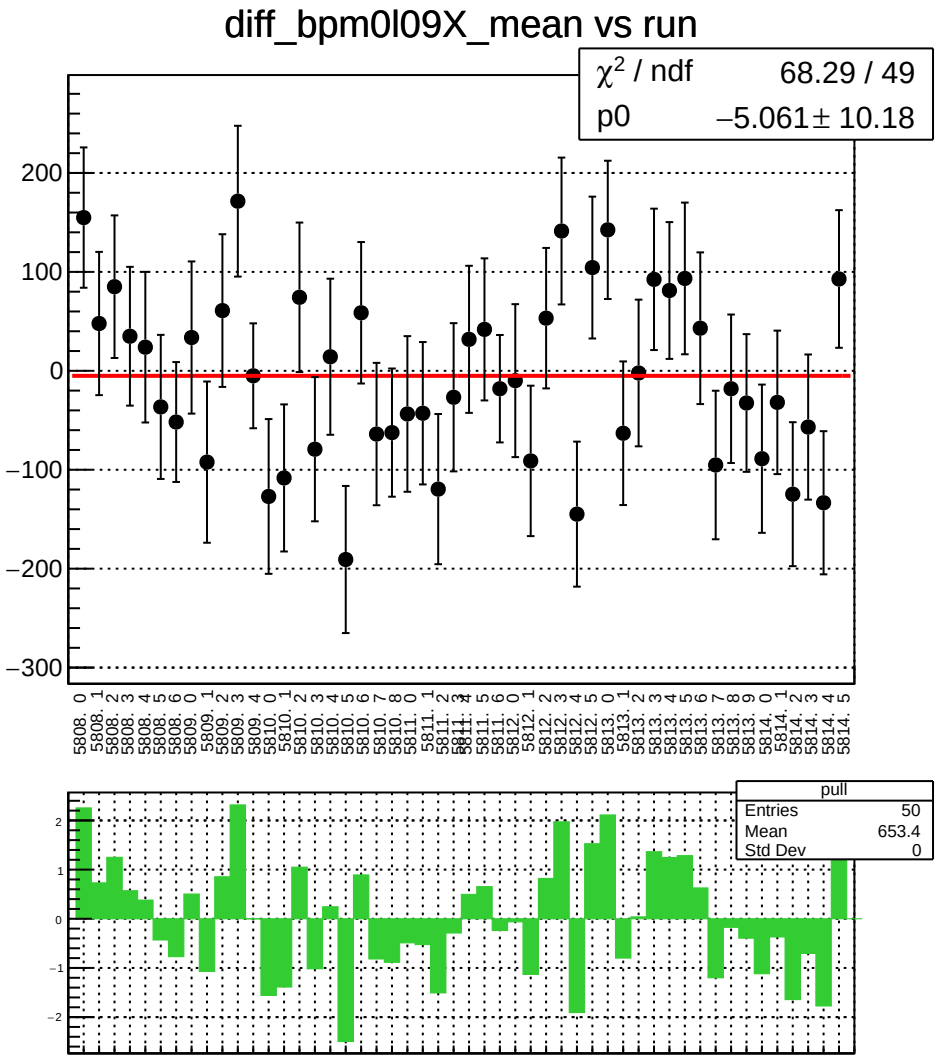

pull1D
Entries 50
Mean −0.00297
Std Dev 1.15

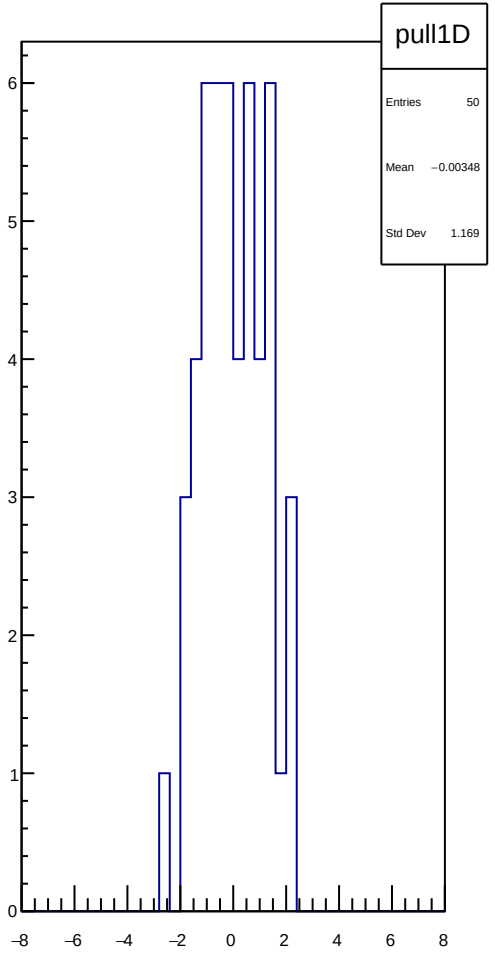

diff_bpm0l08X_rms vs run
χ² / ndf 1111 / 49
p0 6687 ± 6.858
7400
7200
7000
6800
6600
6400
6200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

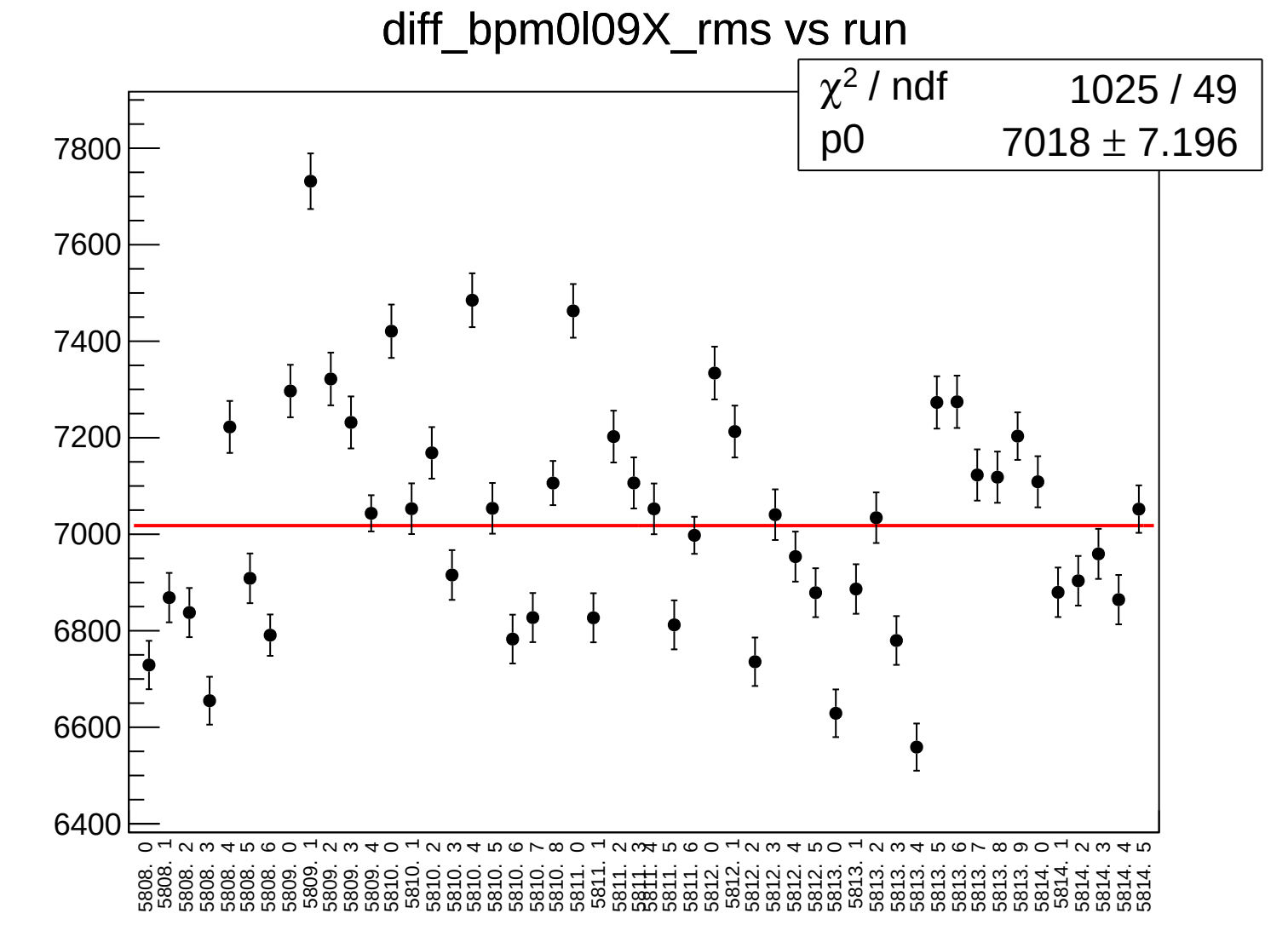

diff_bpm0l08Y_mean vs run
χ^2 / ndf 40.89 / 49
p0 7.142 ± 1.771
pull
Entries 50
Mean −112.6
Std Dev 0

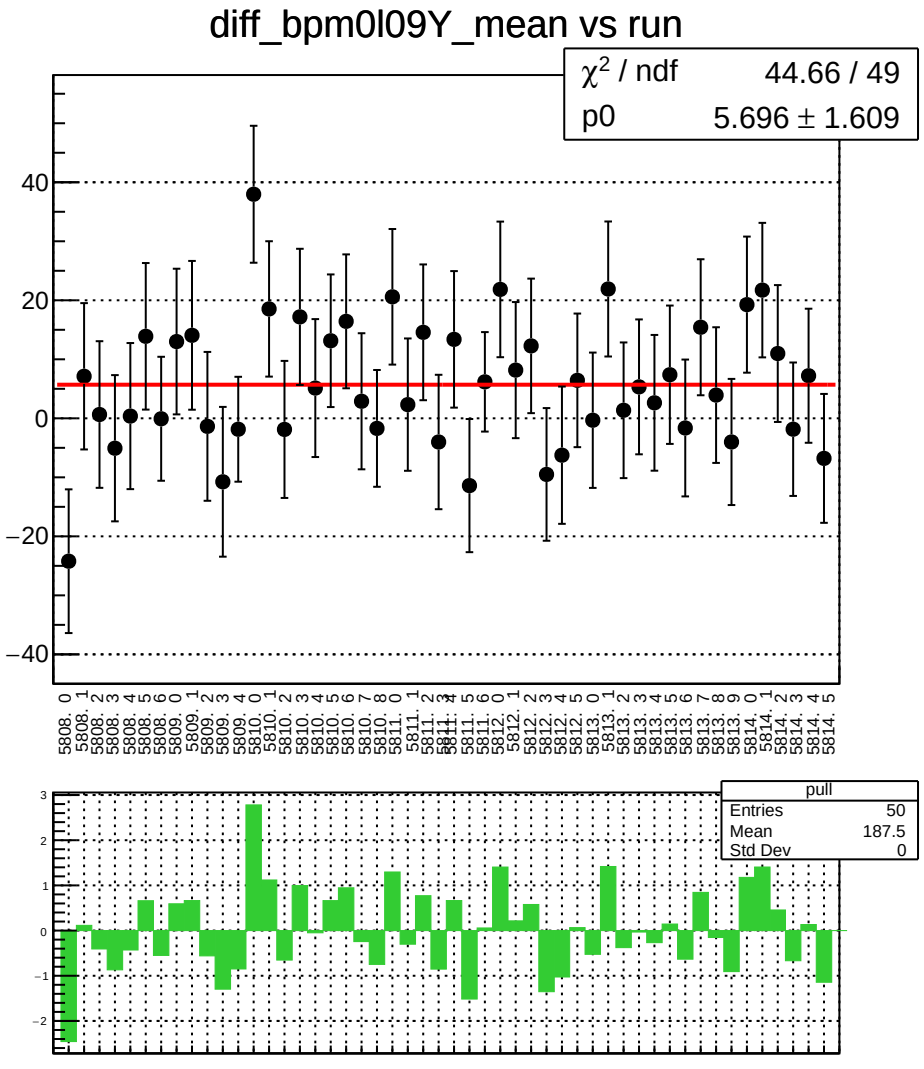

pull1D
Entries 50
Mean 0.004323
Std Dev 0.9043

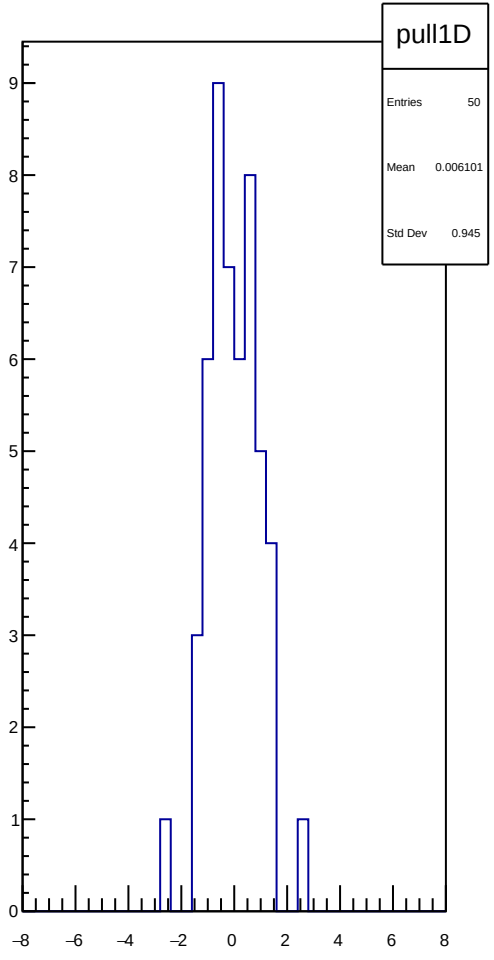

diff_bpm0l08Y_rms vs run
χ² / ndf 896.2 / 49
p0 1222 ± 1.252
1320
1300
1280
1260
1240
1220
1200
1180
1160
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

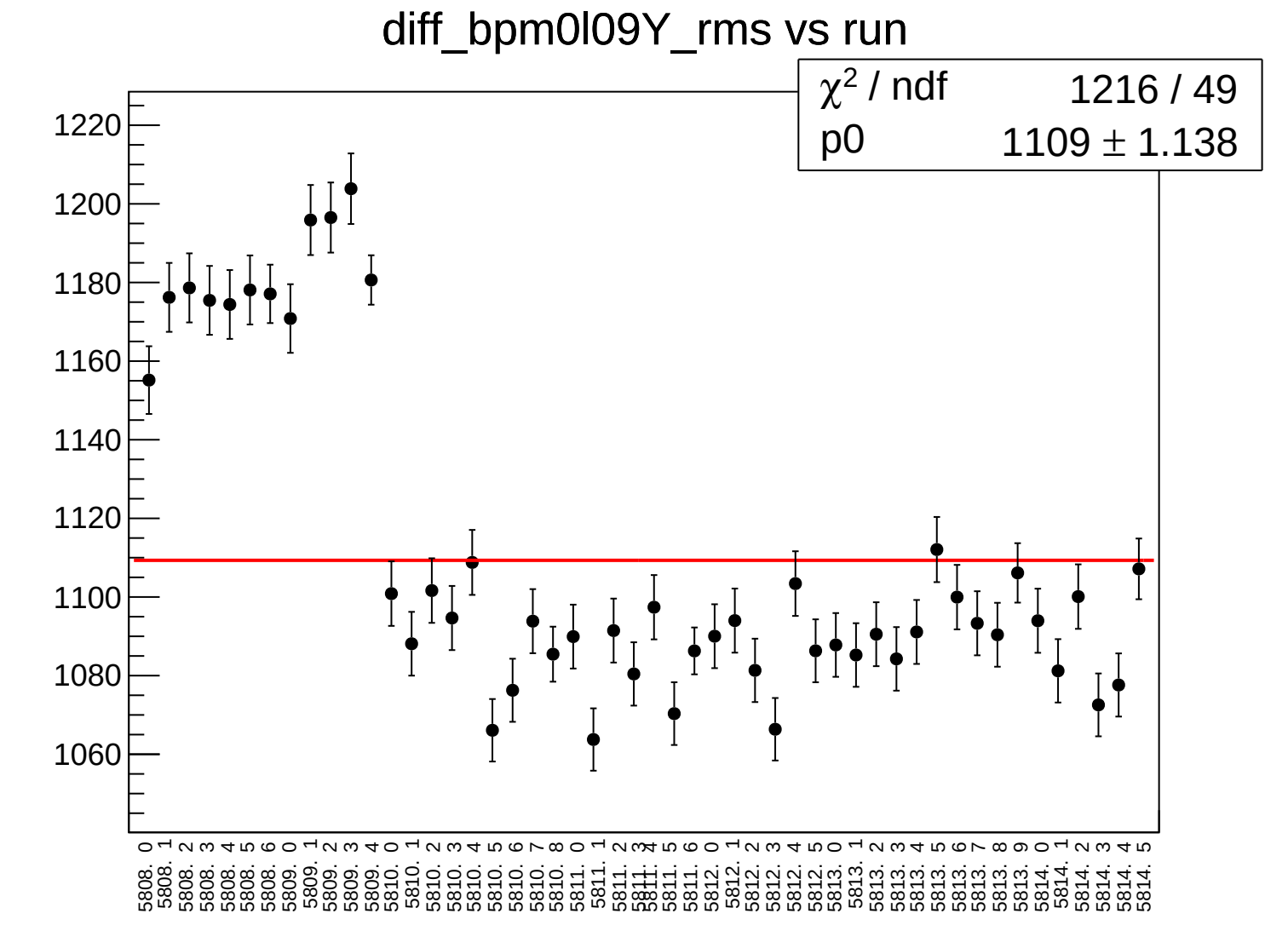

diff_bpm0l09X_mean vs run
χ² / ndf 68.29 / 49
p0 −5.061± 10.18
200
100
0
−100
−200
−300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 653.4
Std Dev 0
2
1
0
−1
−2

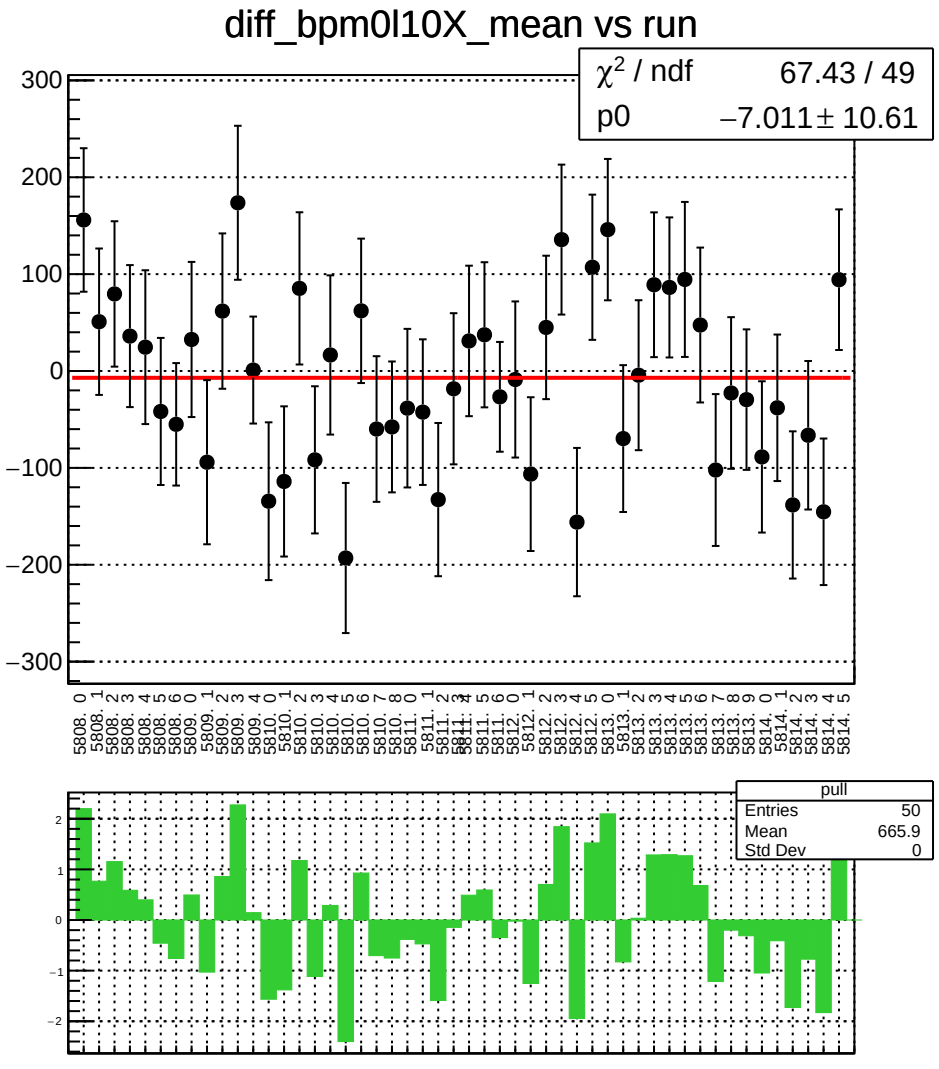

pull1D
Entries 50
Mean −0.00348
Std Dev 1.169
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

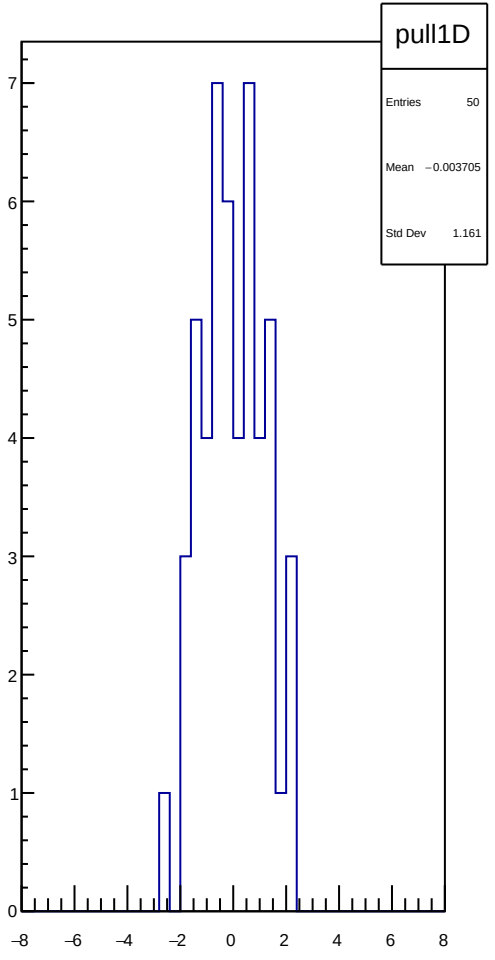

diff_bpm0l09X_rms vs run
χ² / ndf 1025 / 49
p0 7018 ± 7.196
7800
7600
7400
7200
7000
6800
6600
6400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

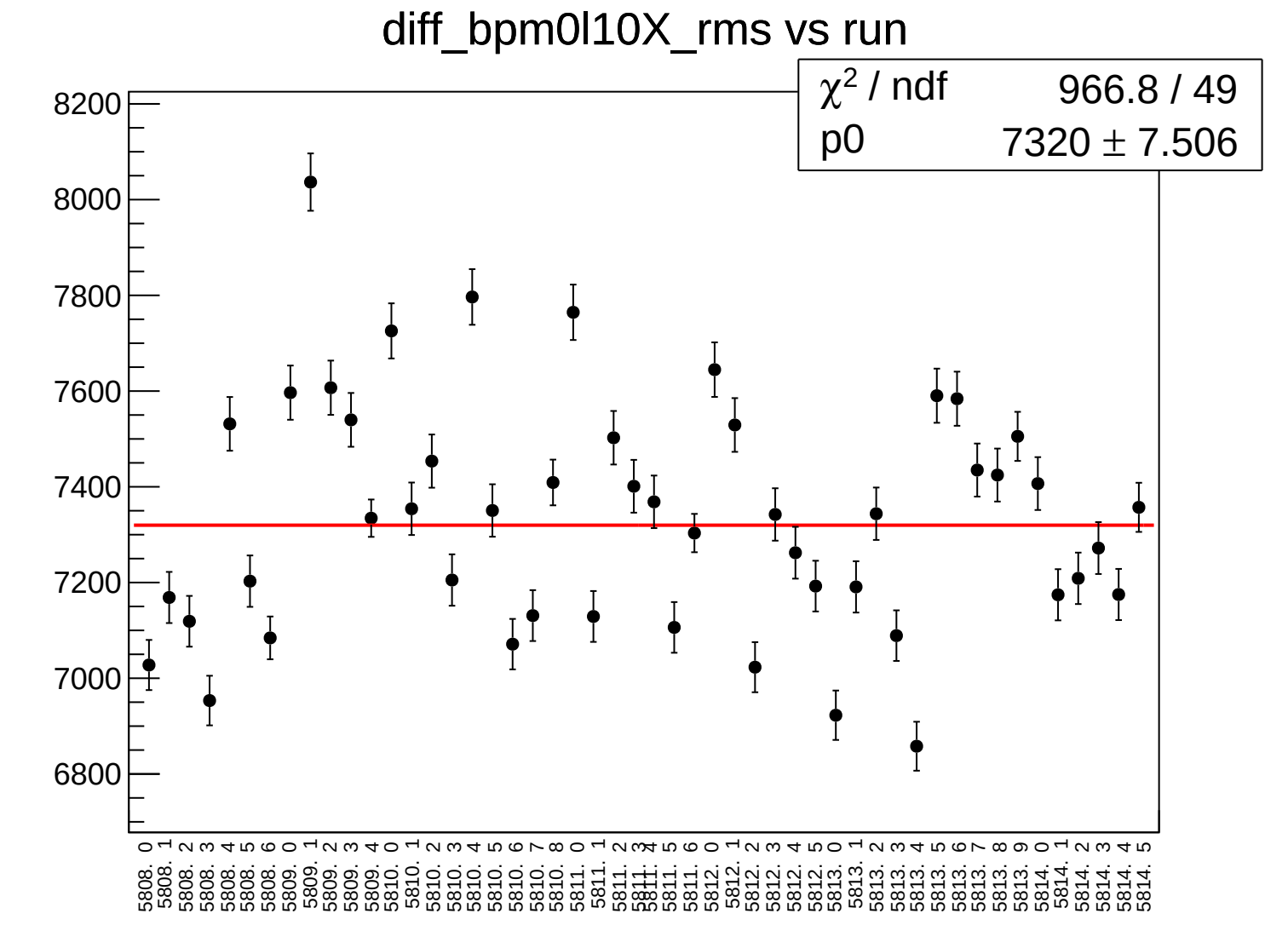

diff_bpm0l09Y_mean vs run
χ² / ndf 44.66 / 49
p0 5.696 ± 1.609
pull
Entries 50
Mean 187.5
Std Dev 0

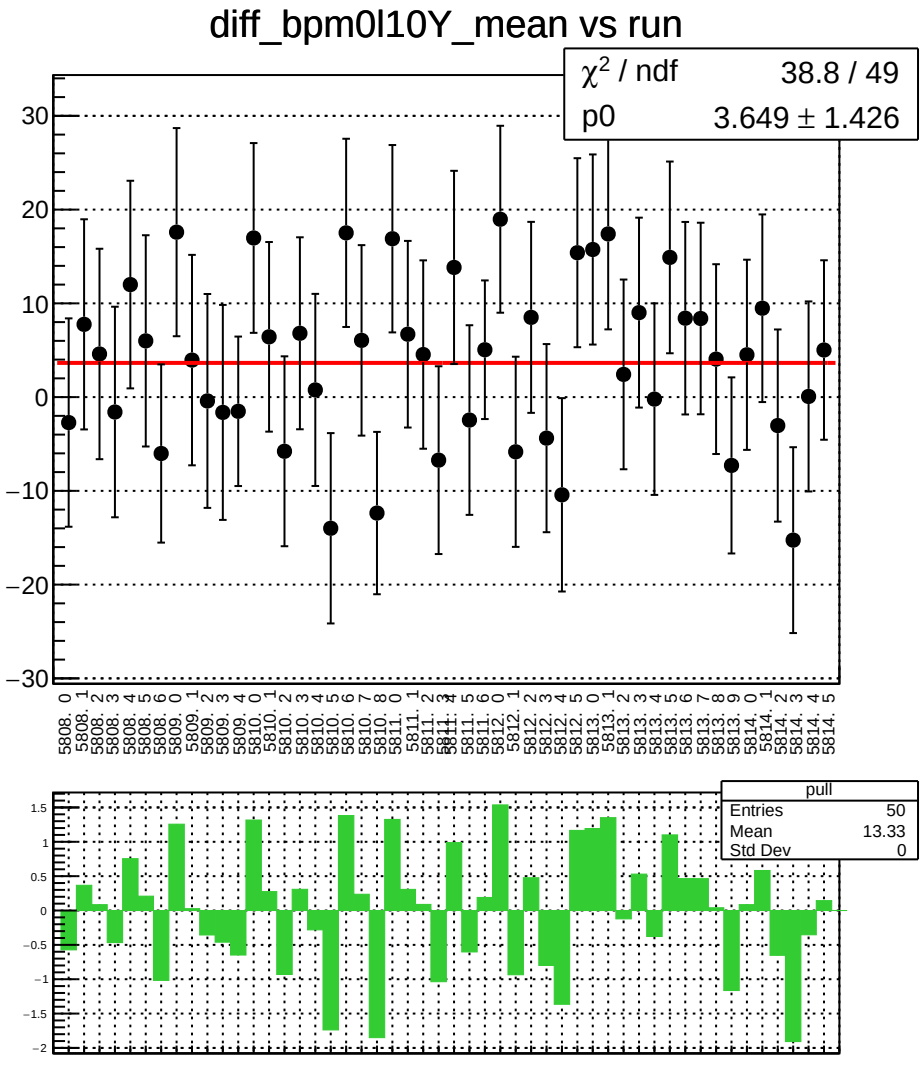

pull1D
Entries 50
Mean 0.006101
Std Dev 0.945

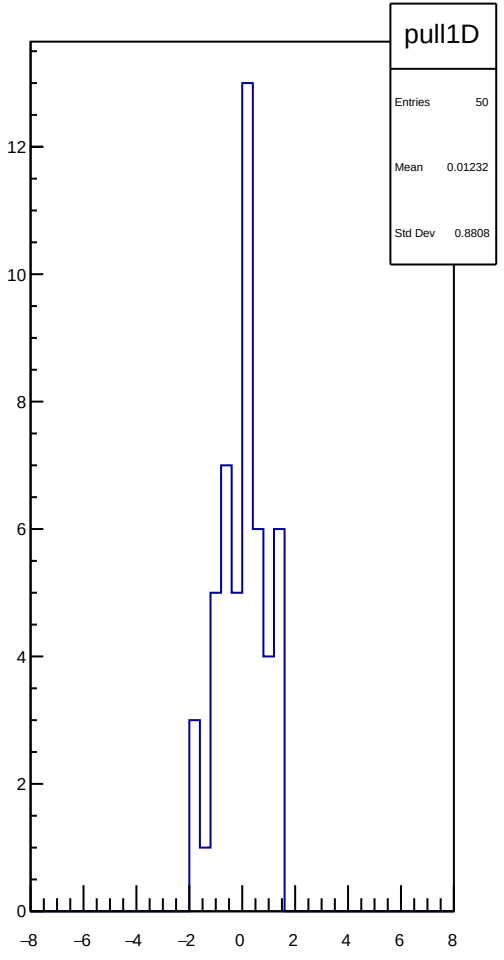

diff_bpm0l09Y_rms vs run
χ² / ndf 1216 / 49
p0 1109 ± 1.138
1220
1200
1180
1160
1140
1120
1100
1080
1060
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

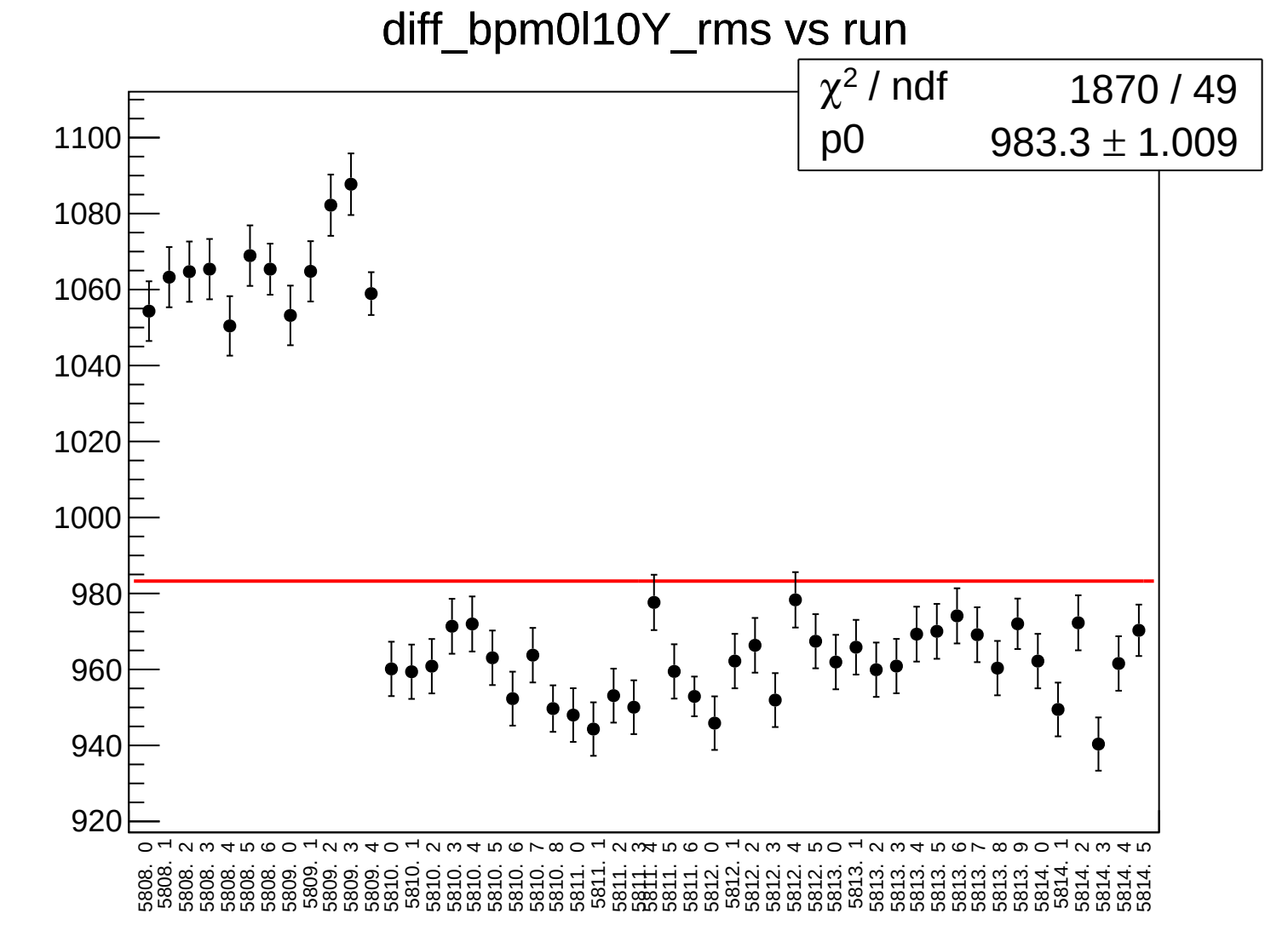

diff_bpm0l10X_mean vs run
χ² / ndf 67.43 / 49
p0 −7.011 ± 10.61
pull
Entries 50
Mean 665.9
Std Dev 0

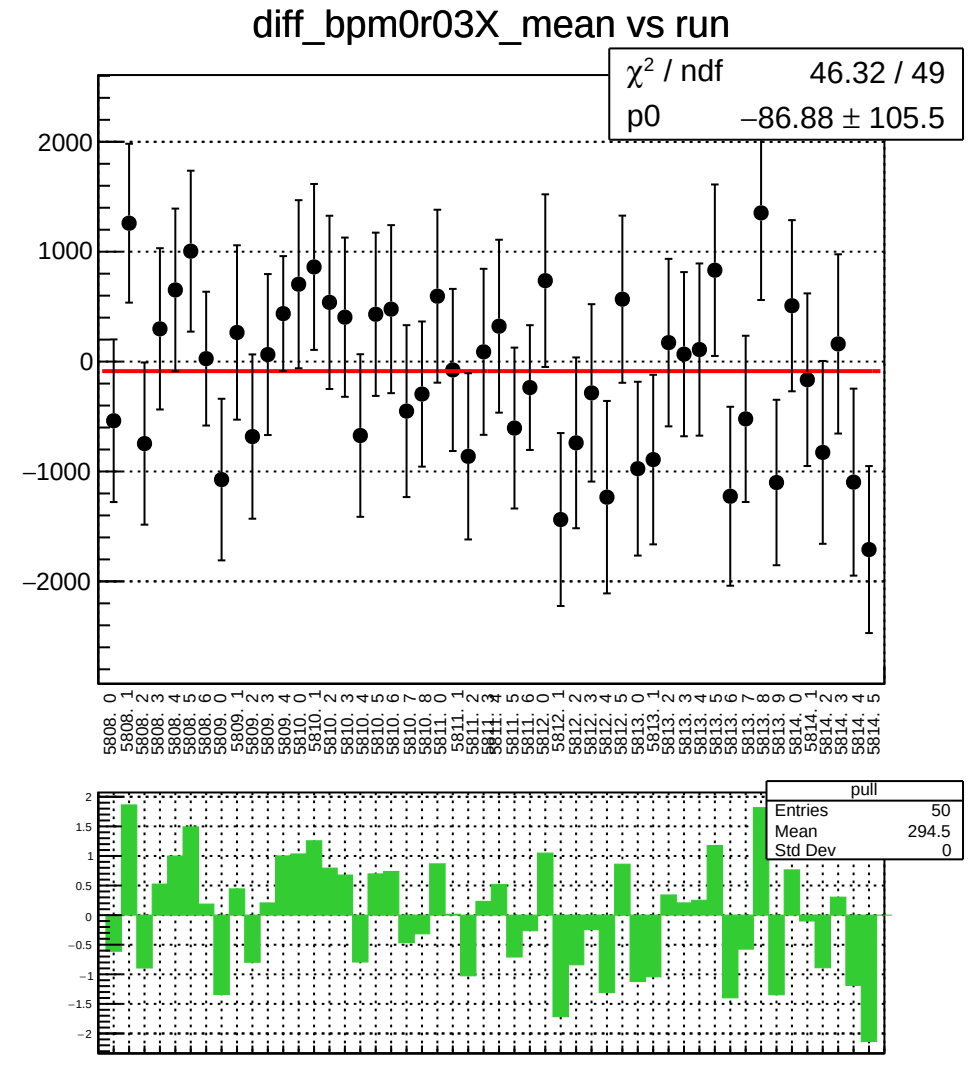

pull1D
Entries 50
Mean −0.003705
Std Dev 1.161

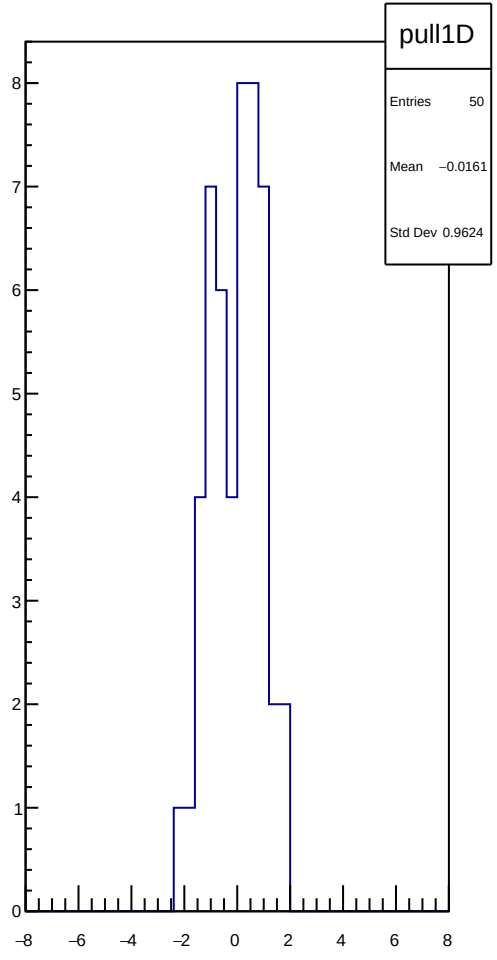

diff_bpm0l10X_rms vs run
χ² / ndf 966.8 / 49
p0 7320 ± 7.506
8200
8000
7800
7600
7400
7200
7000
6800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

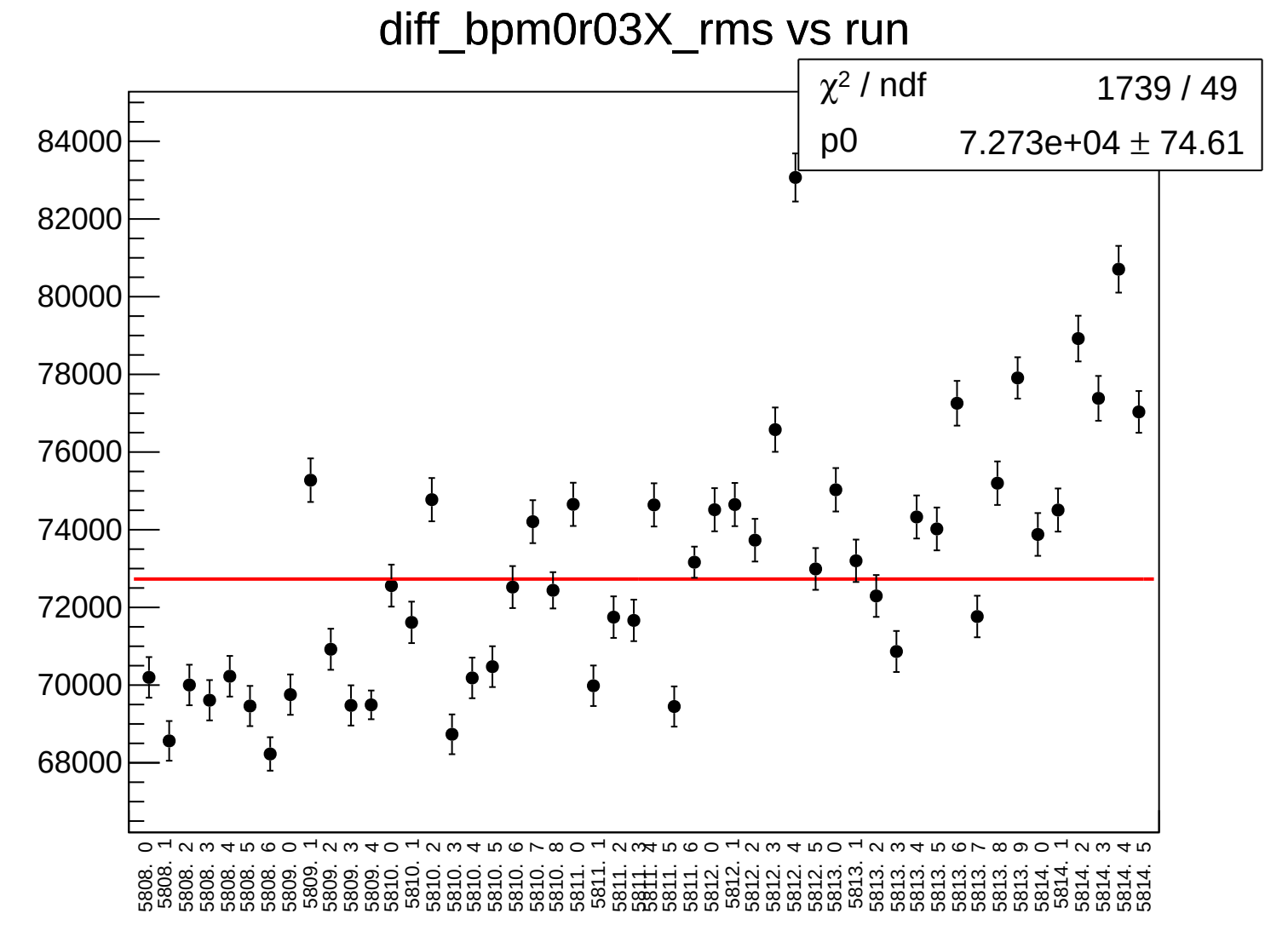

diff_bpm0l10Y_mean vs run
χ^2 / ndf 38.8 / 49
p0 3.649 ± 1.426
pull
Entries 50
Mean 13.33
Std Dev 0

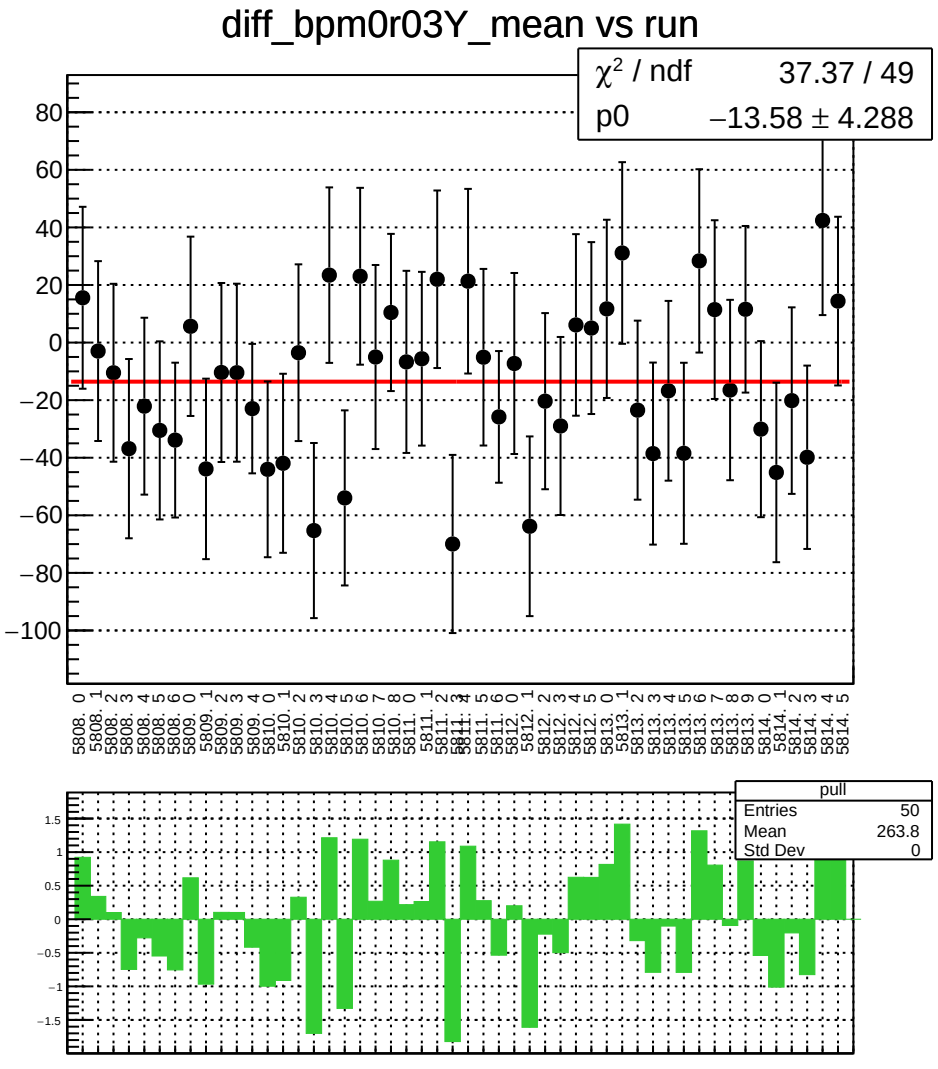

pull1D
Entries 50
Mean 0.01232
Std Dev 0.8808

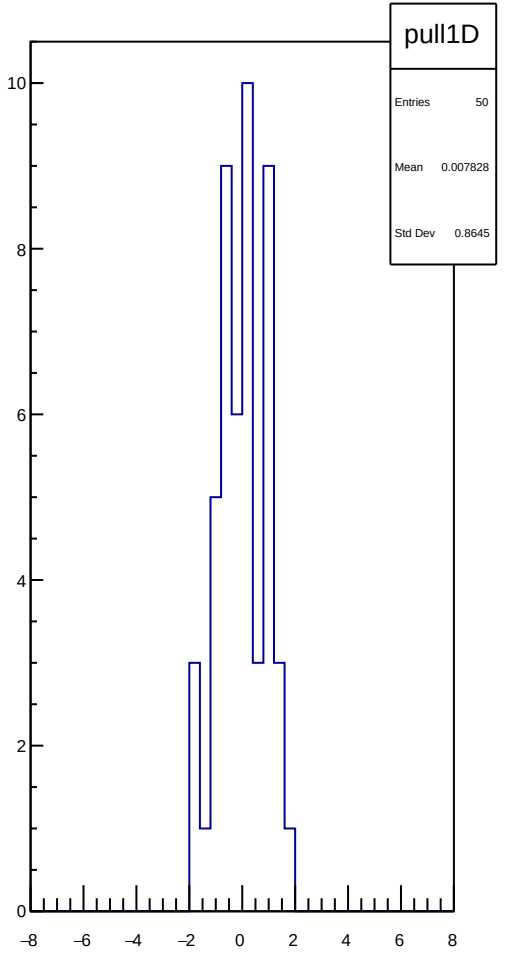

diff_bpm0l10Y_rms vs run
χ² / ndf 1870 / 49
p0 983.3 ± 1.009
1100
1080
1060
1040
1020
1000
980
960
940
920
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

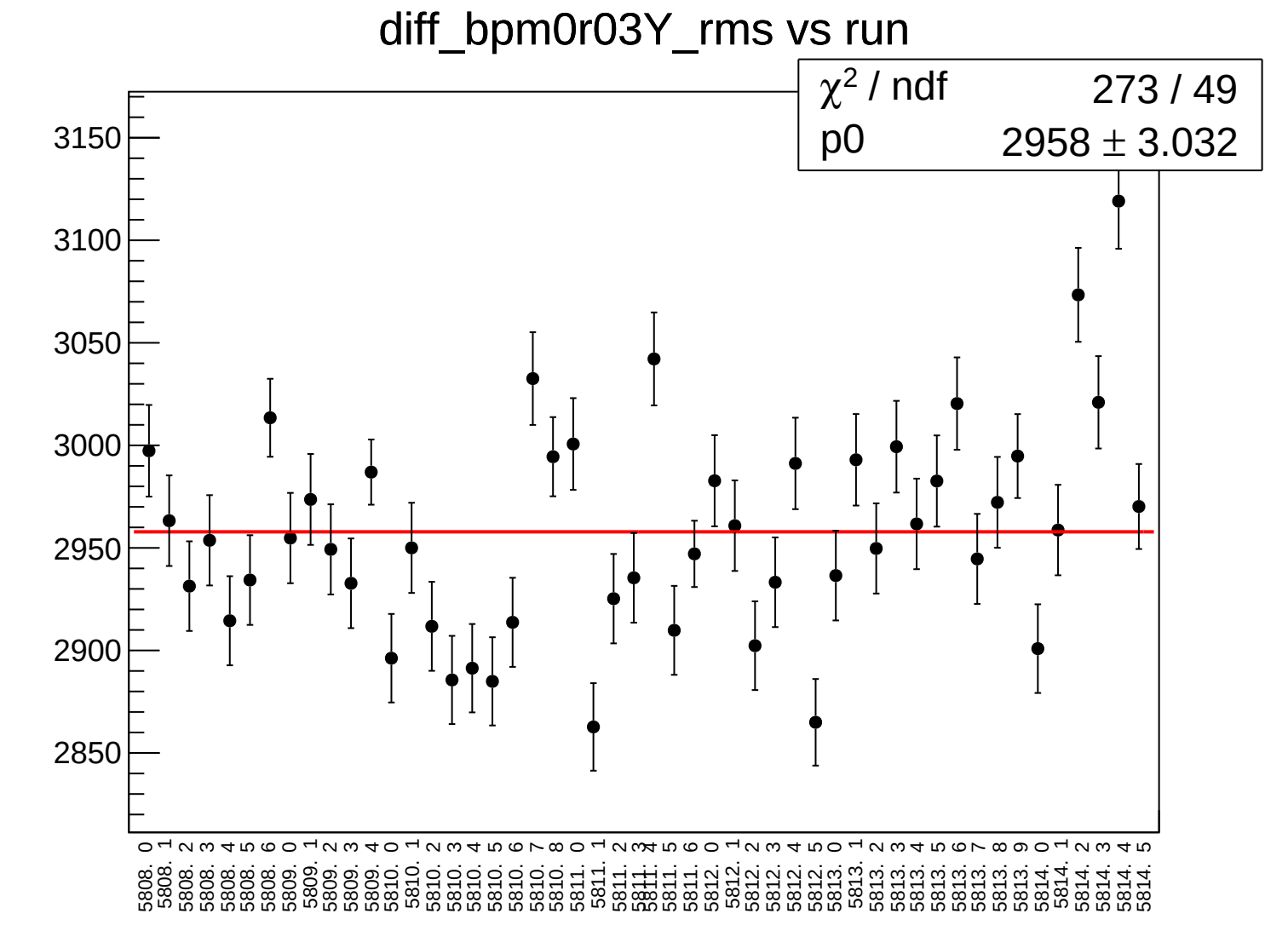

diff_bpm0r03X_mean vs run
χ² / ndf 46.32 / 49
p0 −86.88 ± 105.5
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 294.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

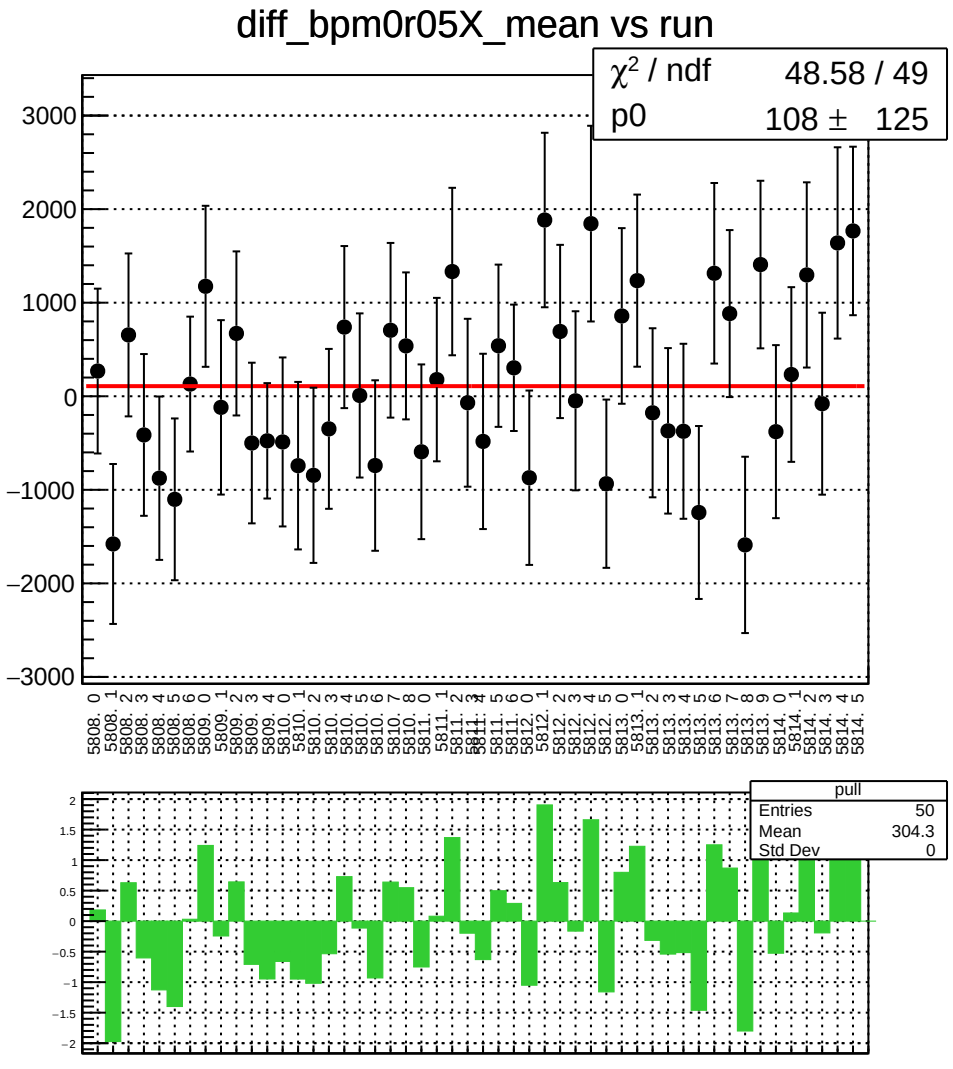

pull1D
Entries 50
Mean −0.0161
Std Dev 0.9624
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

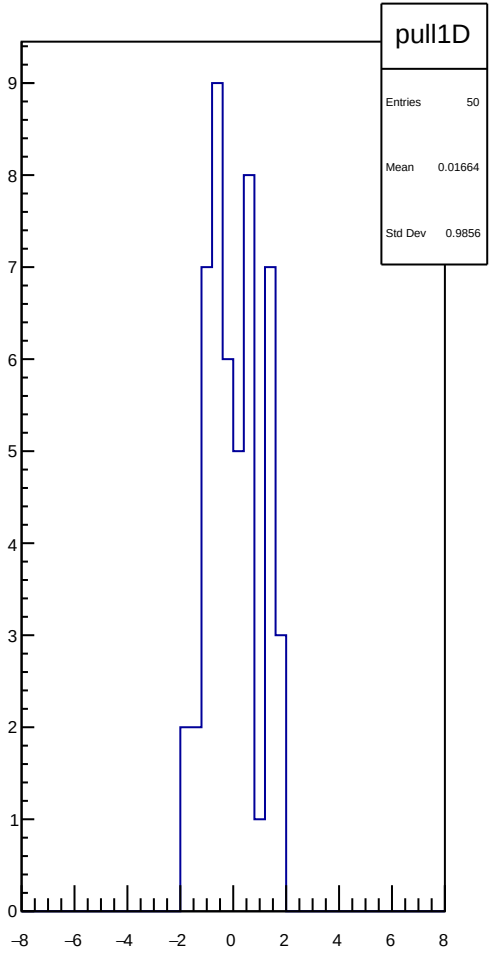

diff_bpm0r03X_rms vs run
χ² / ndf 1739 / 49
p0 7.273e+04 ± 74.61
84000
82000
80000
78000
76000
74000
72000
70000
68000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

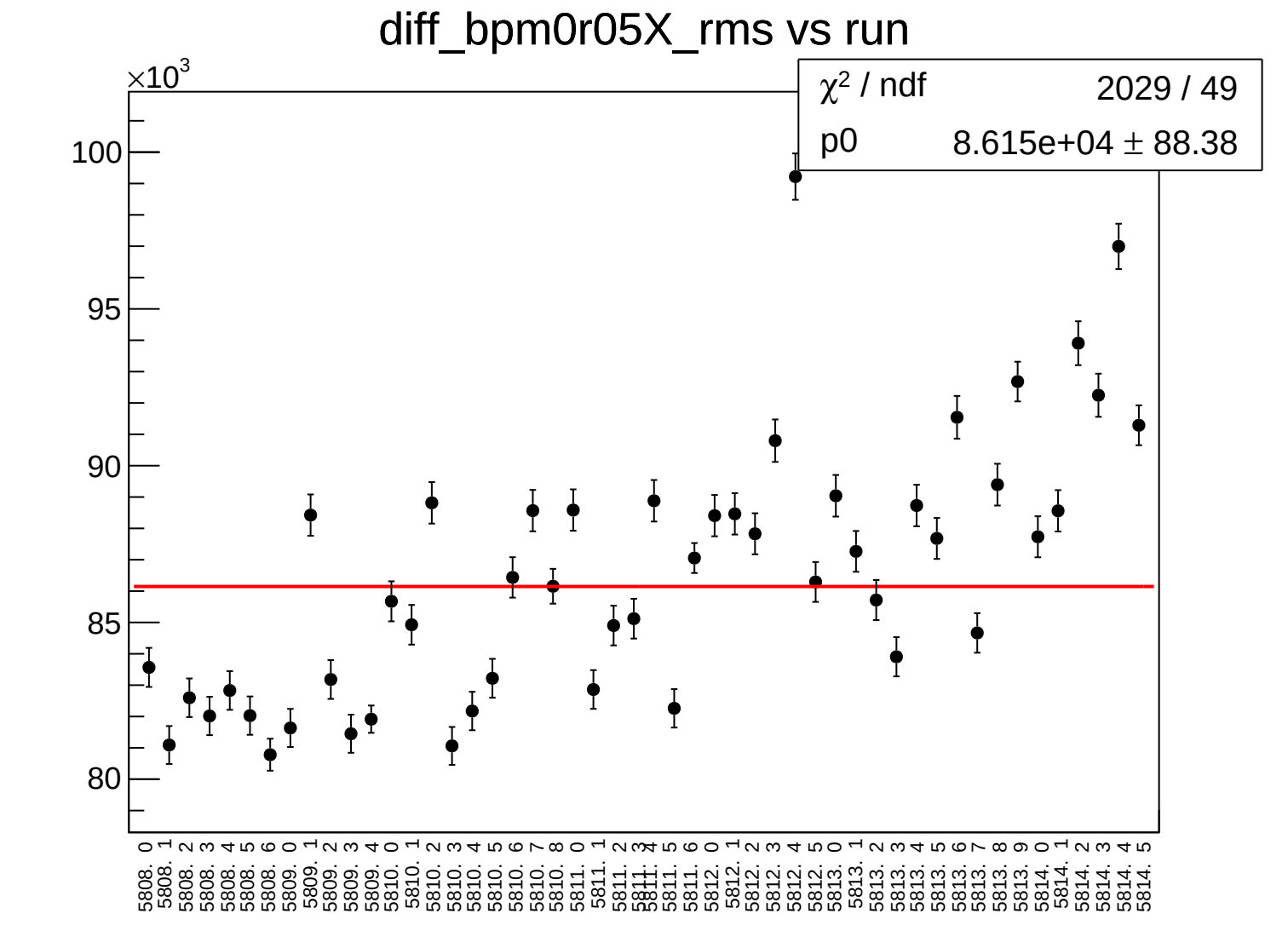

diff_bpm0r03Y_mean vs run
χ² / ndf 37.37 / 49
p0 −13.58 ± 4.288
pull
Entries 50
Mean 263.8
Std Dev 0

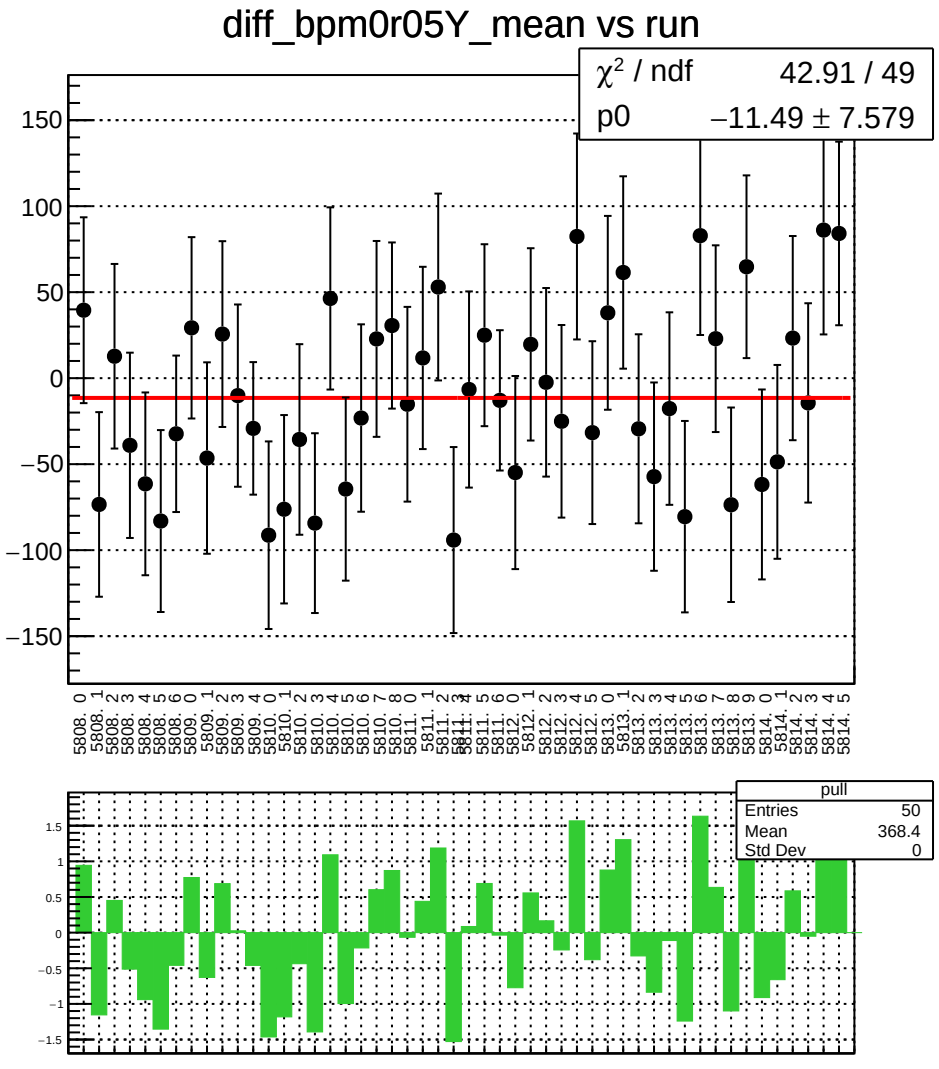

pull1D
Entries 50
Mean 0.007828
Std Dev 0.8645

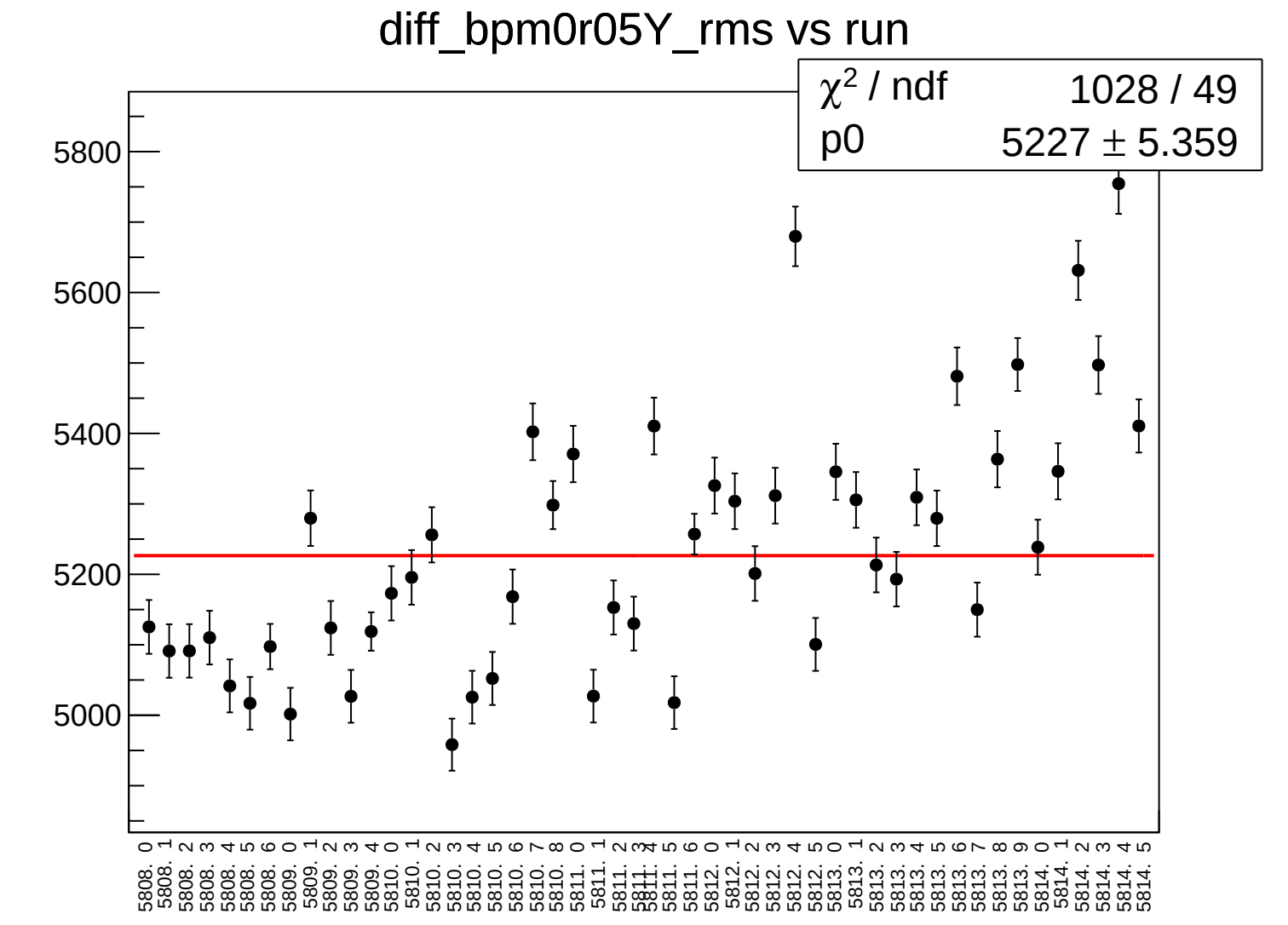

diff_bpm0r03Y_rms vs run
χ² / ndf 273 / 49
p0 2958 ± 3.032
3150
3100
3050
3000
2950
2900
2850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

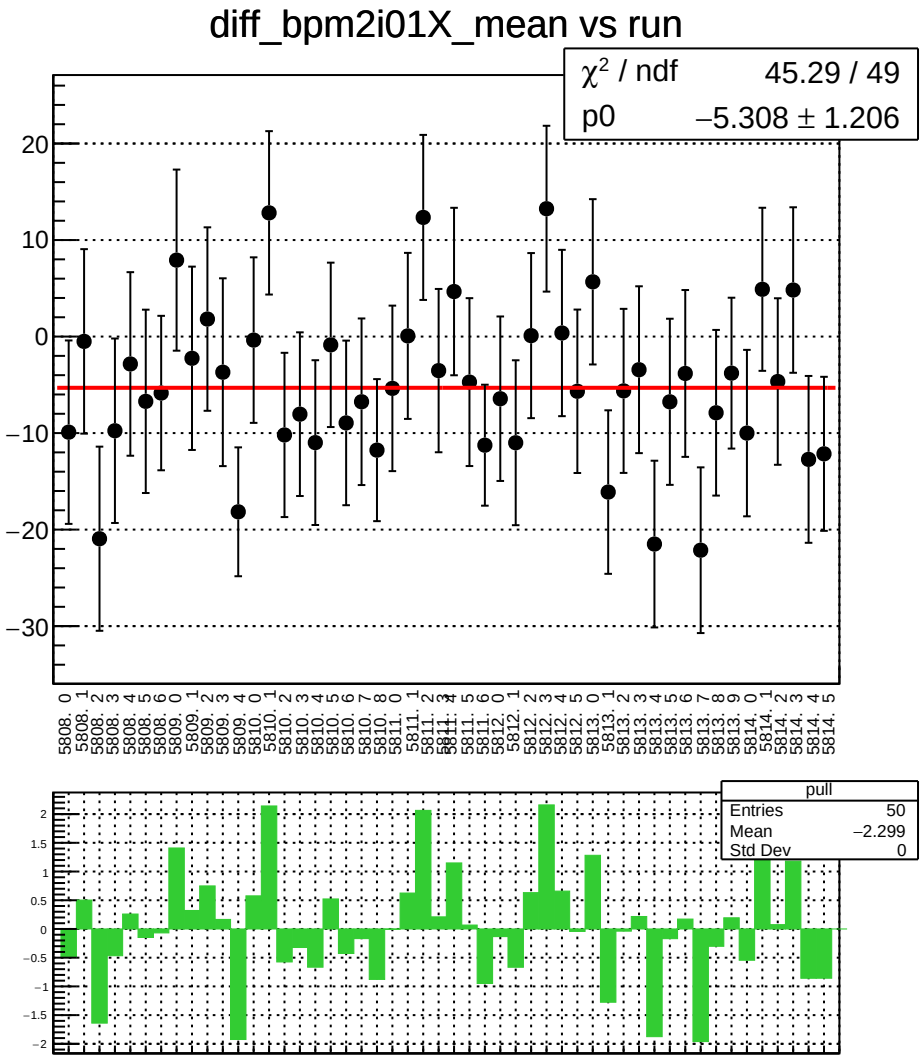

diff_bpm0r05X_mean vs run
χ^2 / ndf 48.58 / 49
p0 108 ± 125
pull
Entries 50
Mean 304.3
Std Dev 0

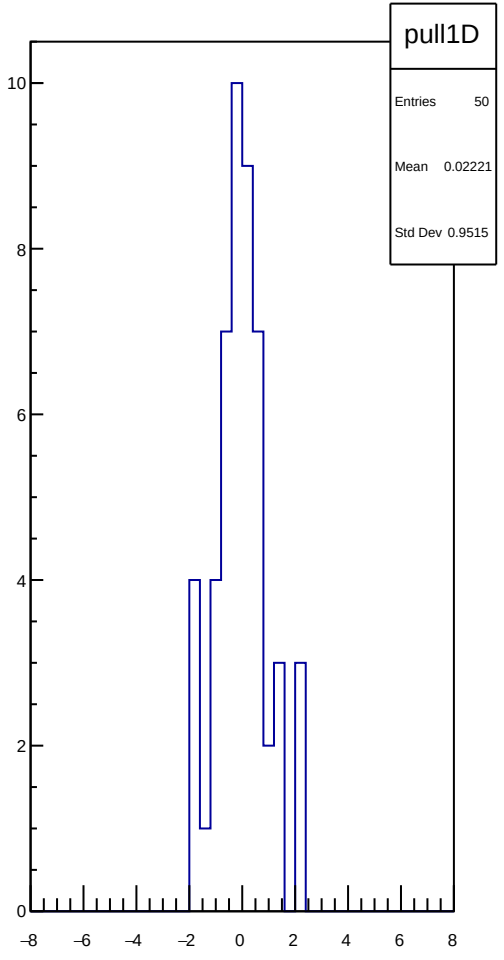

pull1D
Entries 50
Mean 0.01664
Std Dev 0.9856

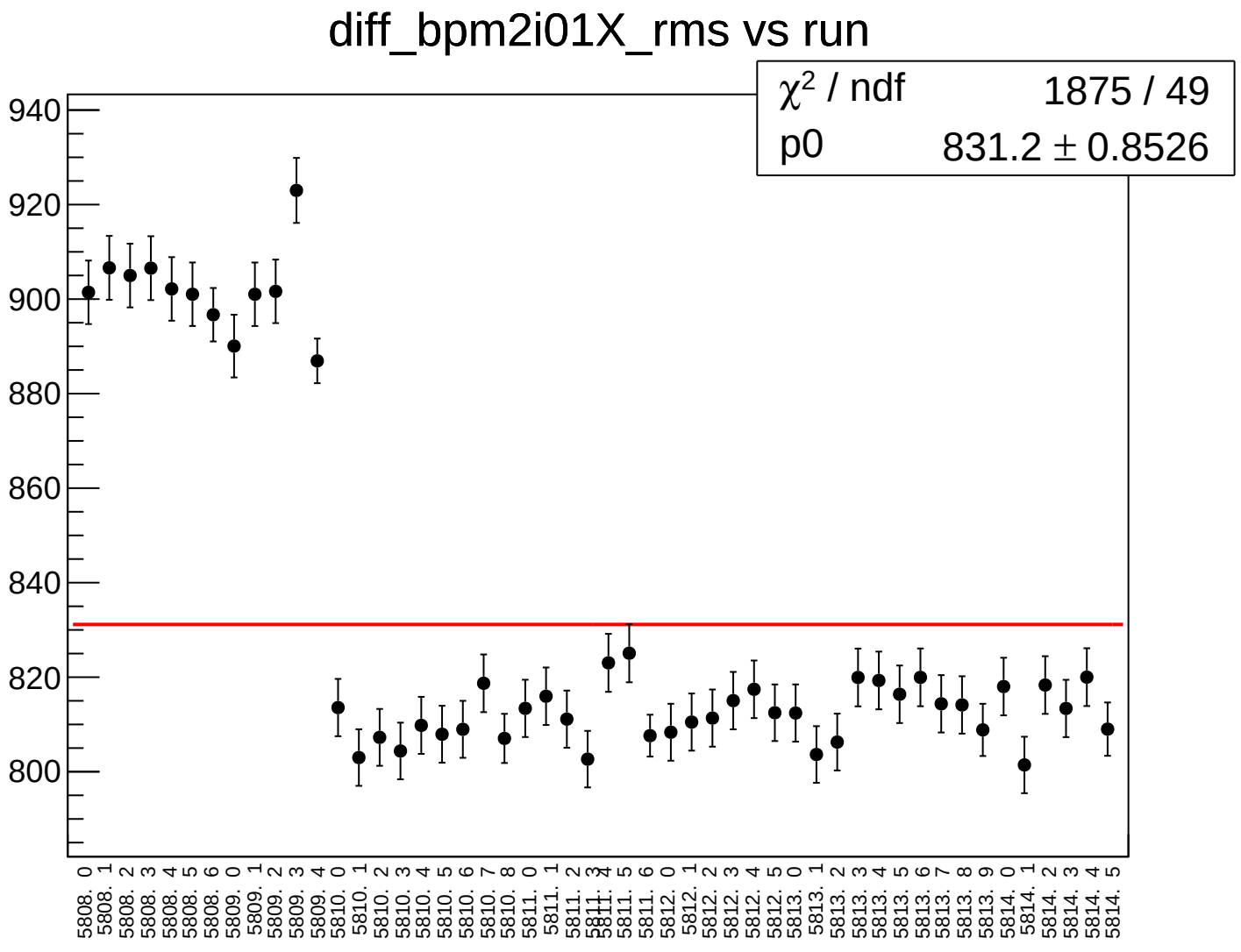

diff_bpm0r05X_rms vs run
×10^3
χ² / ndf 2029 / 49
p0 8.615e+04 ± 88.38
100
95
90
85
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

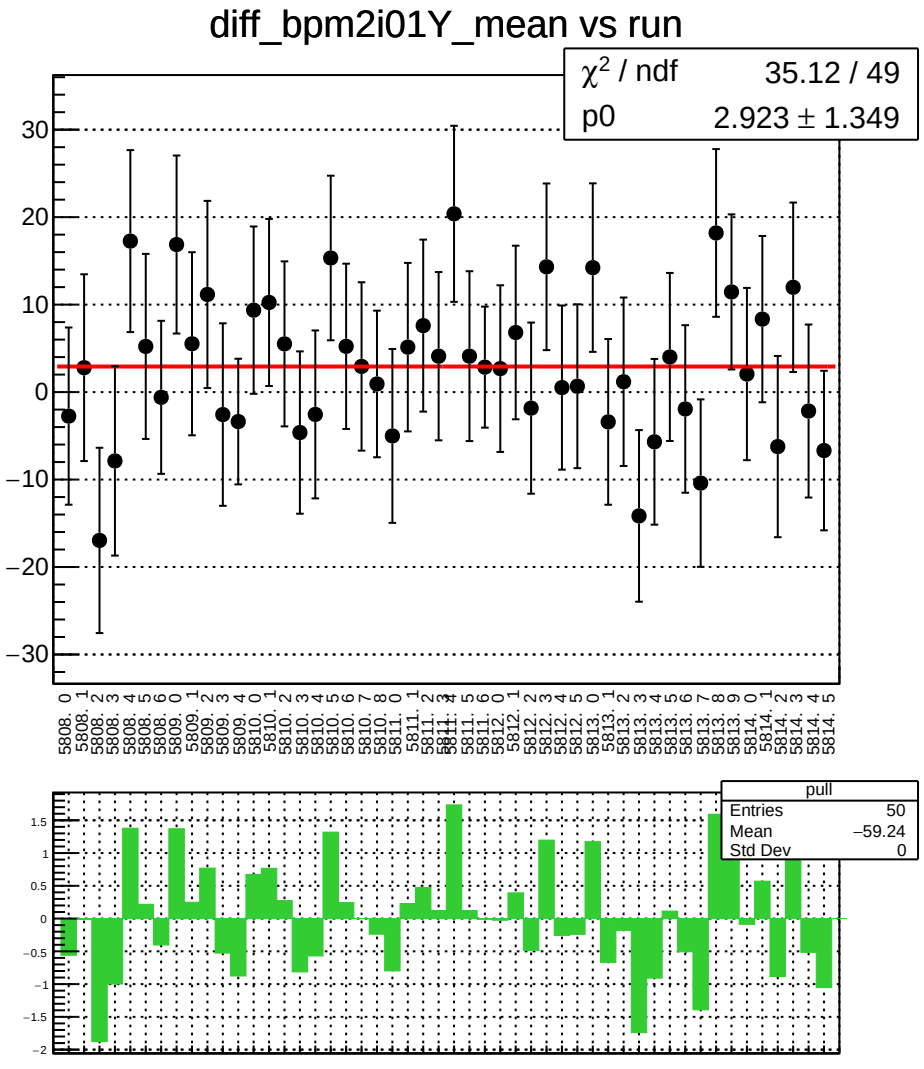

diff_bpm0r05Y_mean vs run
χ² / ndf 42.91 / 49
p0 −11.49 ± 7.579
150
100
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 368.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.01125
Std Dev 0.9263
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

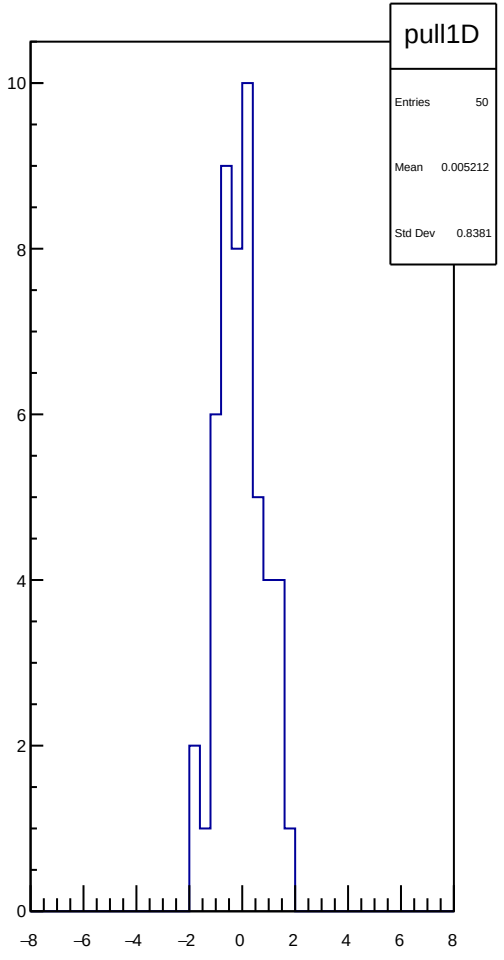

diff_bpm0r05Y_rms vs run
χ² / ndf 1028 / 49
p0 5227 ± 5.359
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

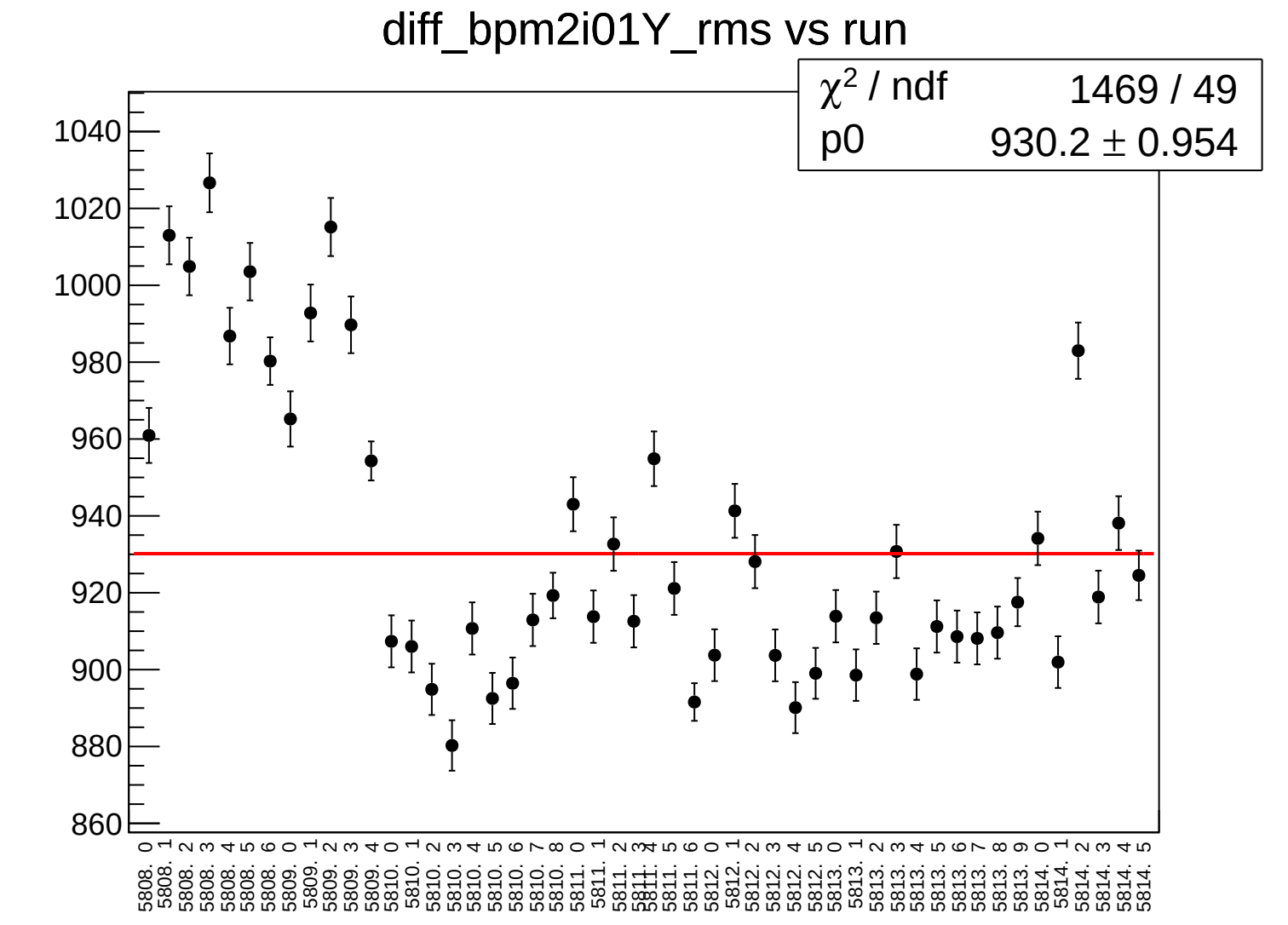

diff_bpm2i01X_mean vs run
χ² / ndf 45.29 / 49
p0 −5.308 ± 1.206
pull
Entries 50
Mean −2.299
Std Dev 0


pull1D
Entries 50
Mean 0.02221
Std Dev 0.9515


diff_bpm2i01X_rms vs run
χ² / ndf 1875 / 49
p0 831.2 ± 0.8526
940
920
900
880
860
840
820
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm2i01Y_mean vs run
χ^2 / ndf 35.12 / 49
p0 2.923 ± 1.349
pull
Entries 50
Mean −59.24
Std Dev 0


pull1D
Entries 50
Mean 0.005212
Std Dev 0.8381


diff_bpm2i01Y_rms vs run
χ² / ndf 1469 / 49
p0 930.2 ± 0.954
1040
1020
1000
980
960
940
920
900
880
860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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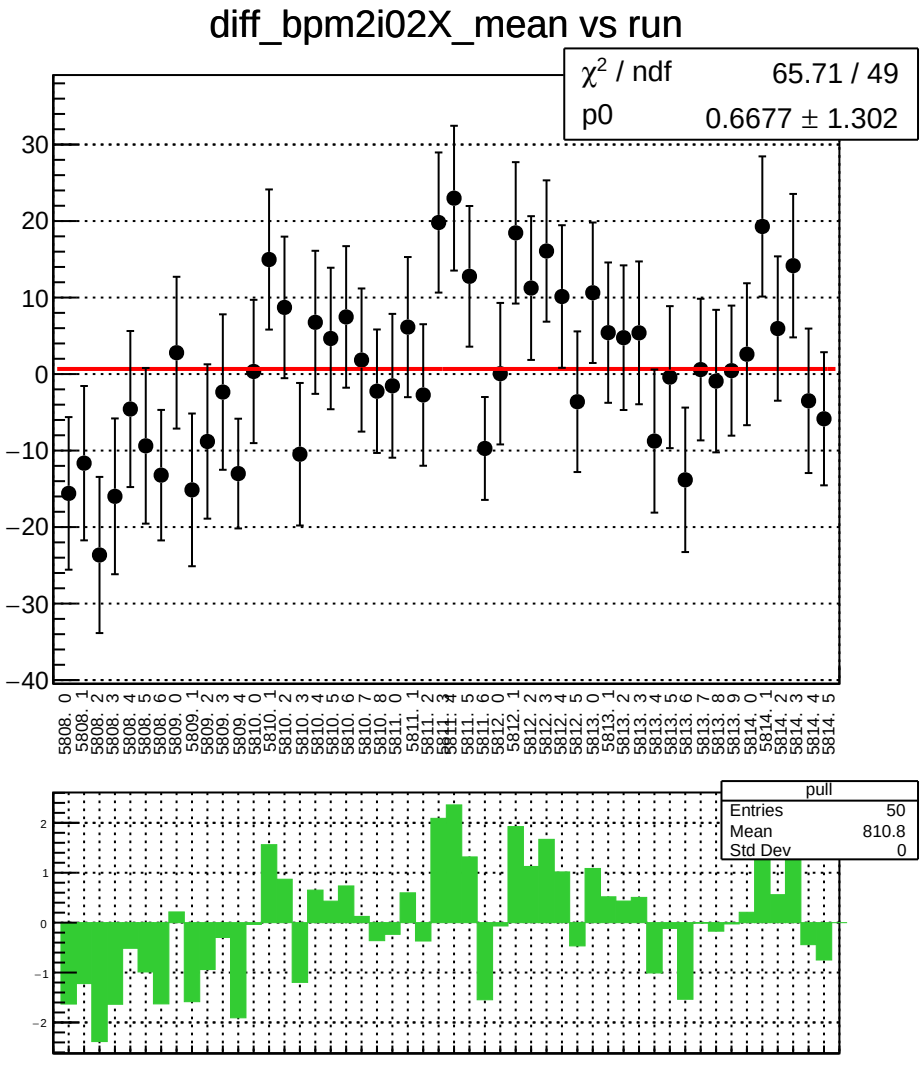
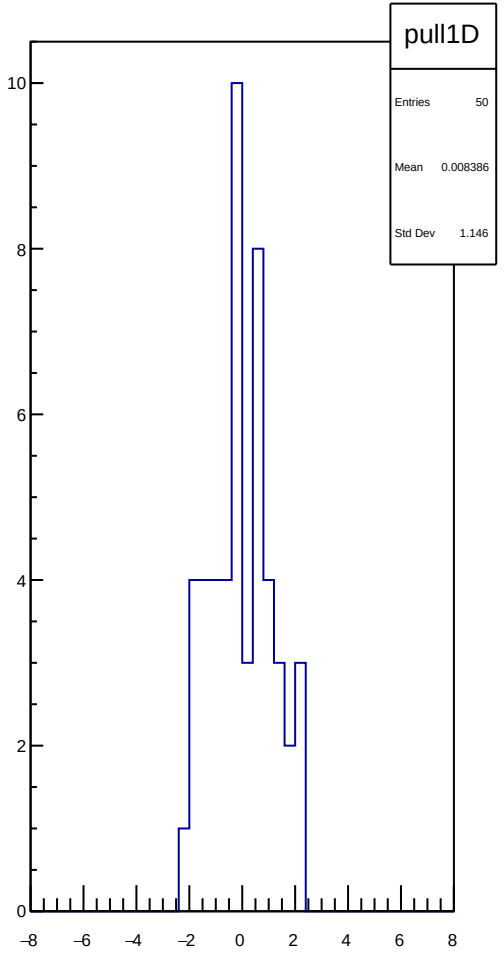
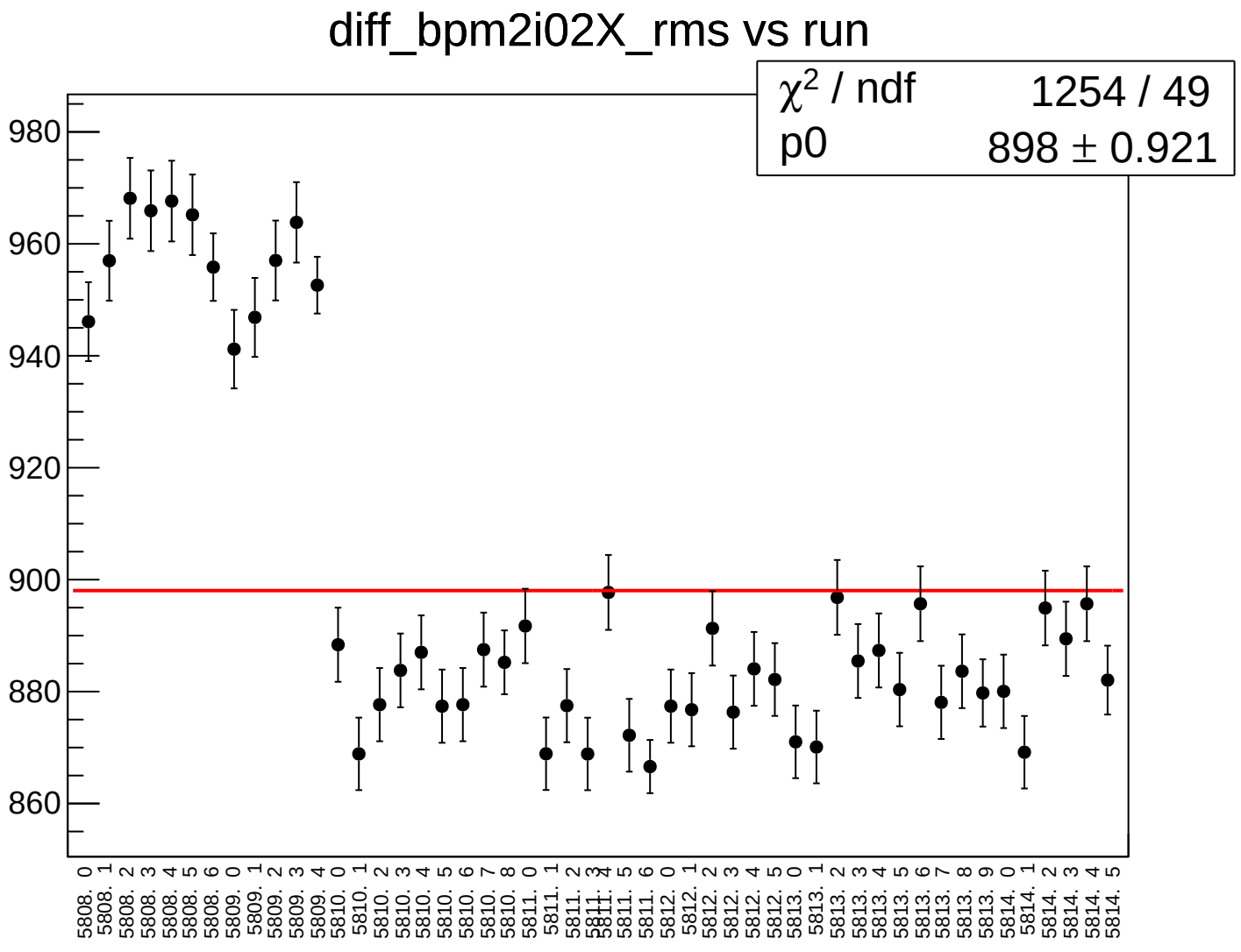
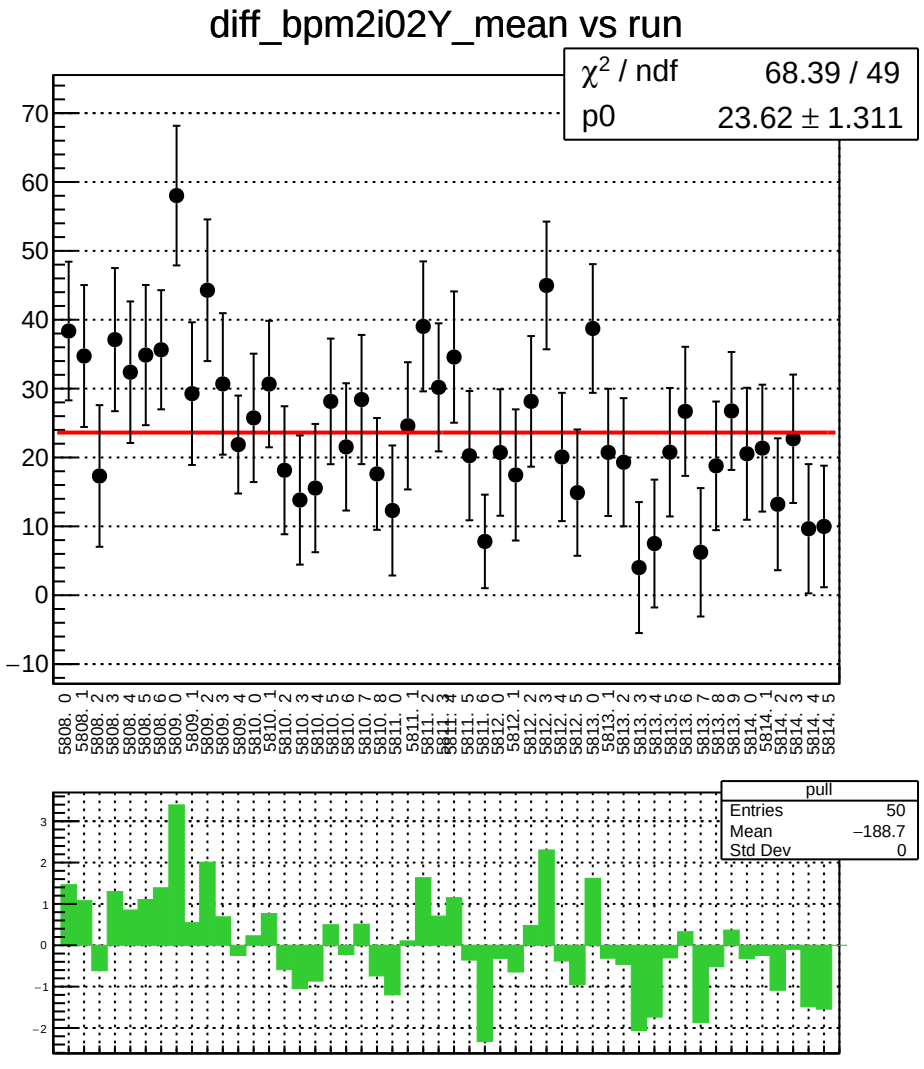
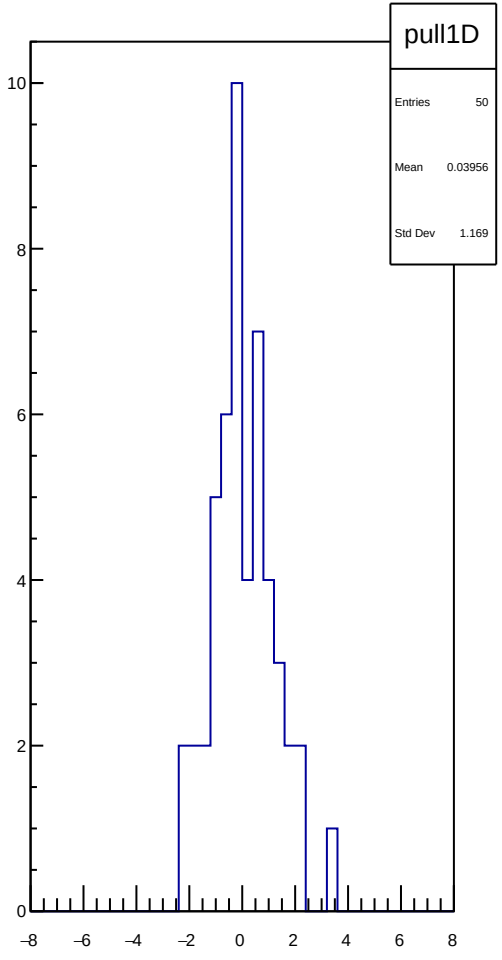
5814. 4
5814. 5

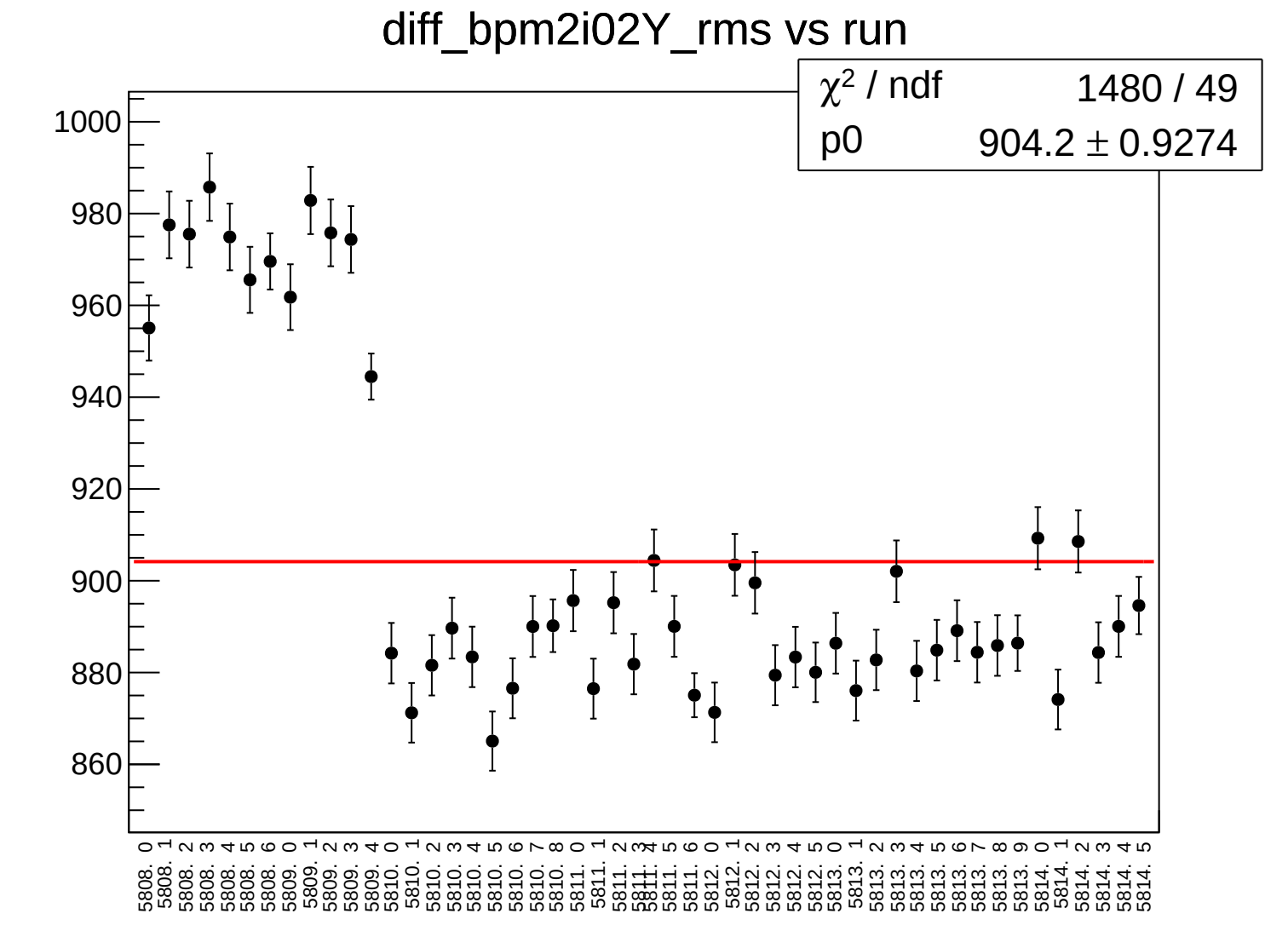

diff_bpm2i02X_mean vs run
χ² / ndf 65.71 / 49
p0 0.6677 ± 1.302
pull
Entries 50
Mean 810.8
Std Dev 0

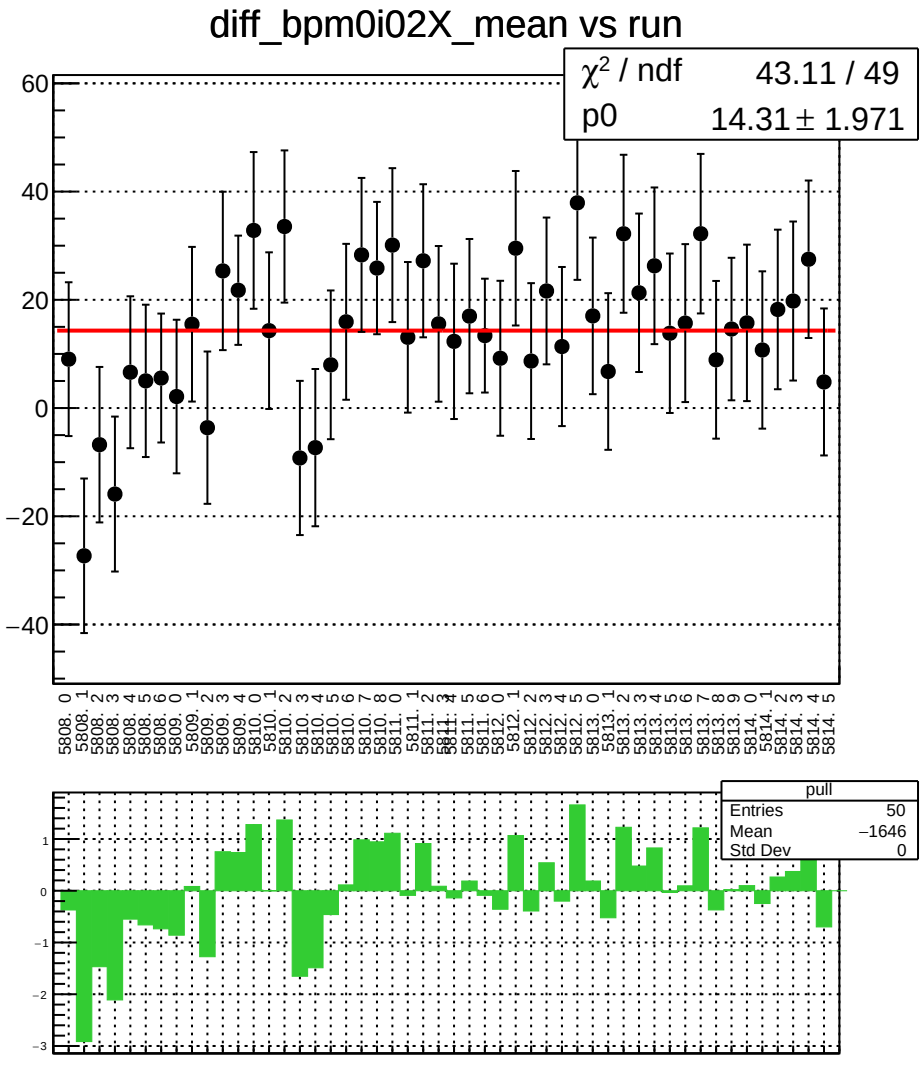

pull1D
Entries 50
Mean 0.008386
Std Dev 1.146

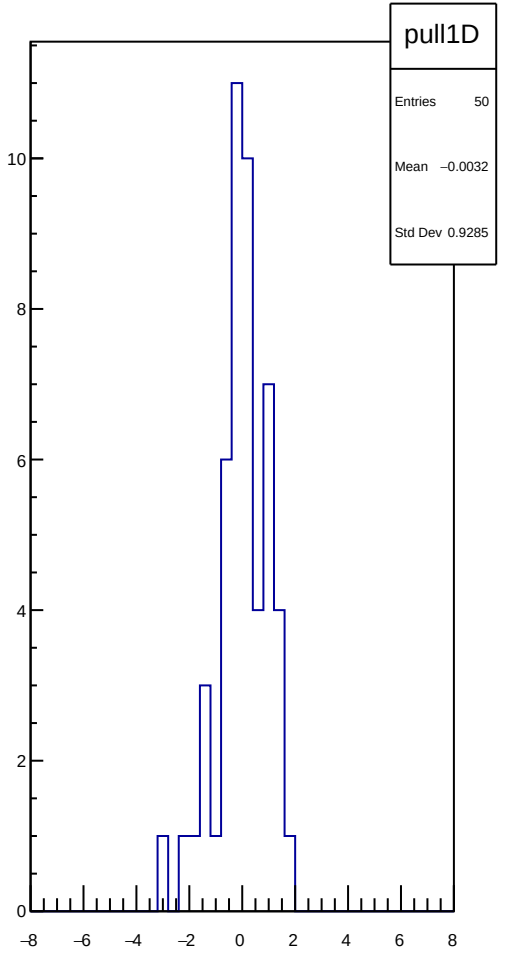

diff_bpm2i02X_rms vs run
χ² / ndf 1254 / 49
p0 898 ± 0.921
980
960
940
920
900
880
860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

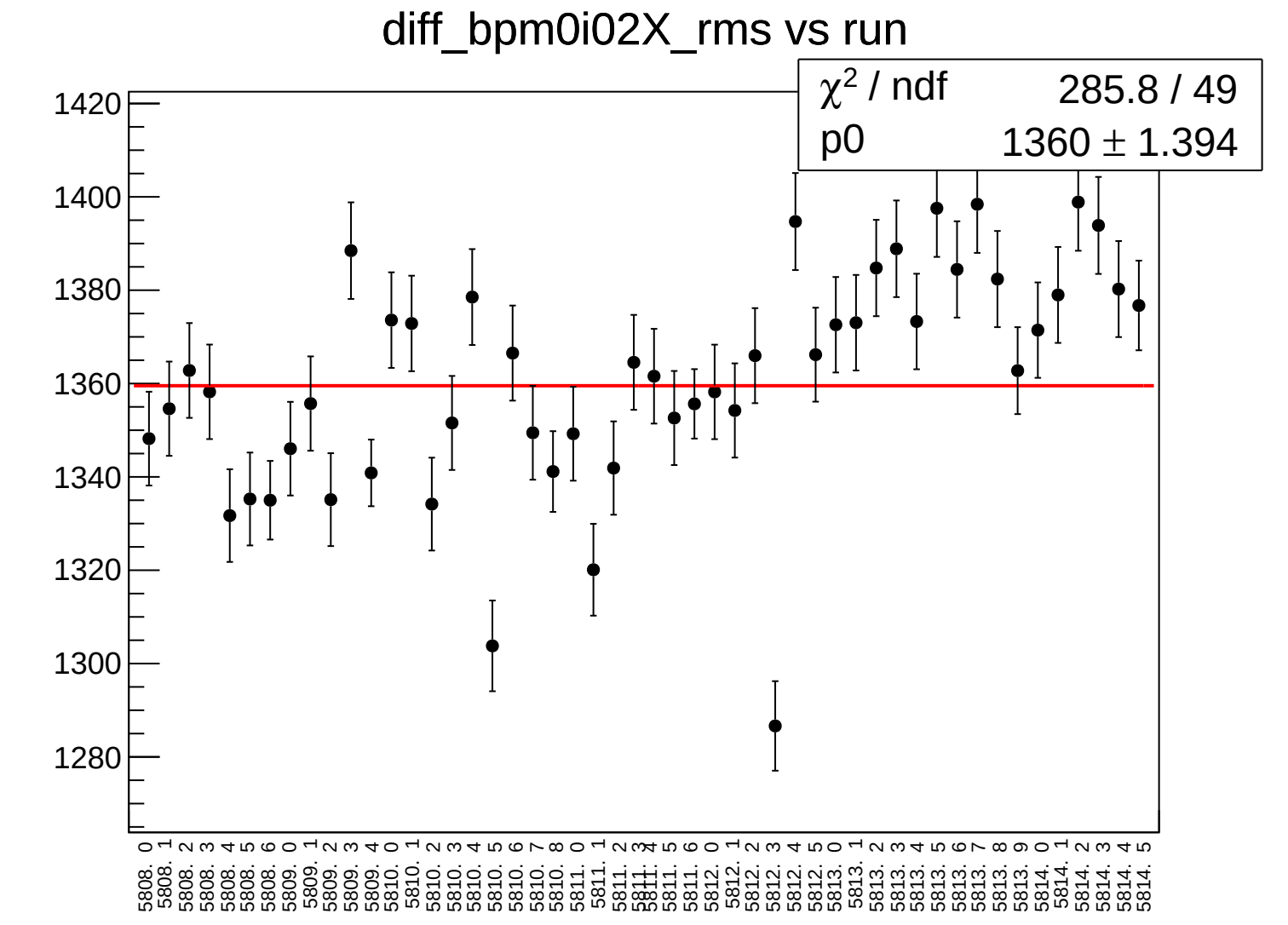

diff_bpm2i02Y_mean vs run
χ^2 / ndf 68.39 / 49
p0 23.62 ± 1.311
pull
Entries 50
Mean −188.7
Std Dev 0

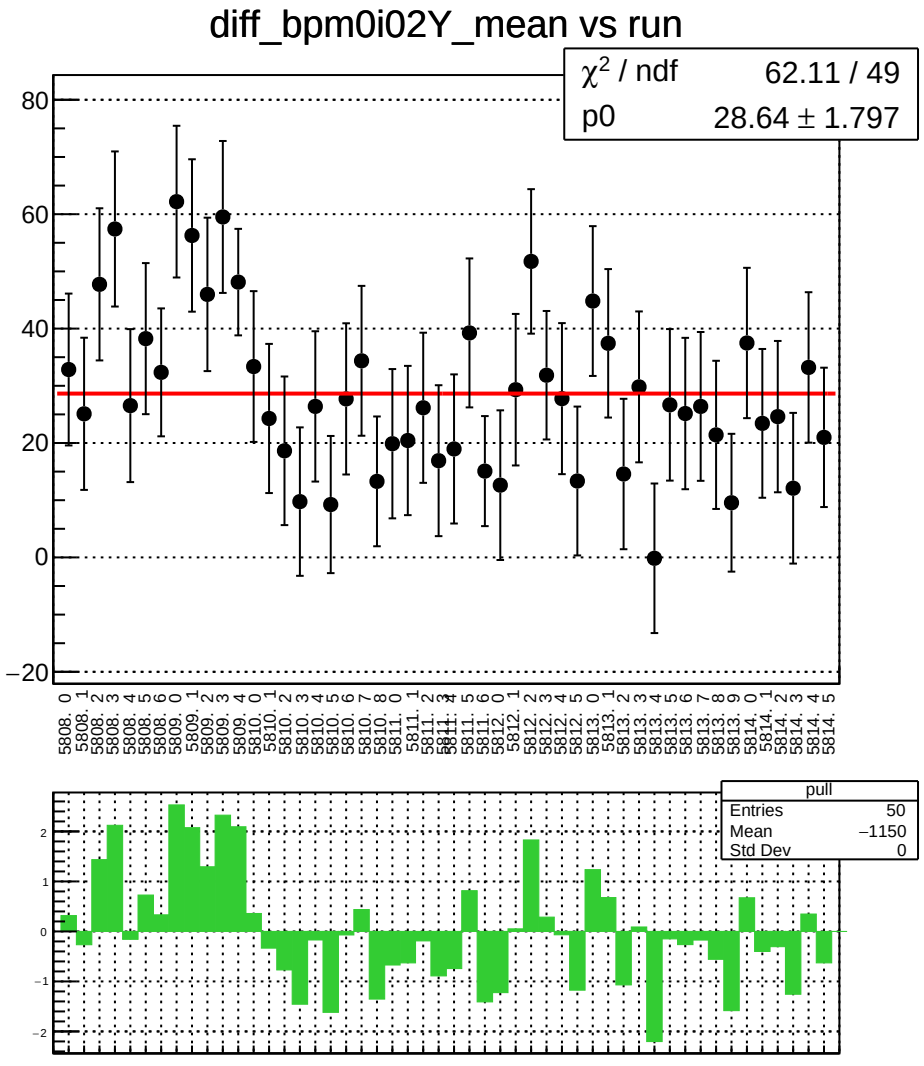

pull1D
Entries 50
Mean 0.03956
Std Dev 1.169

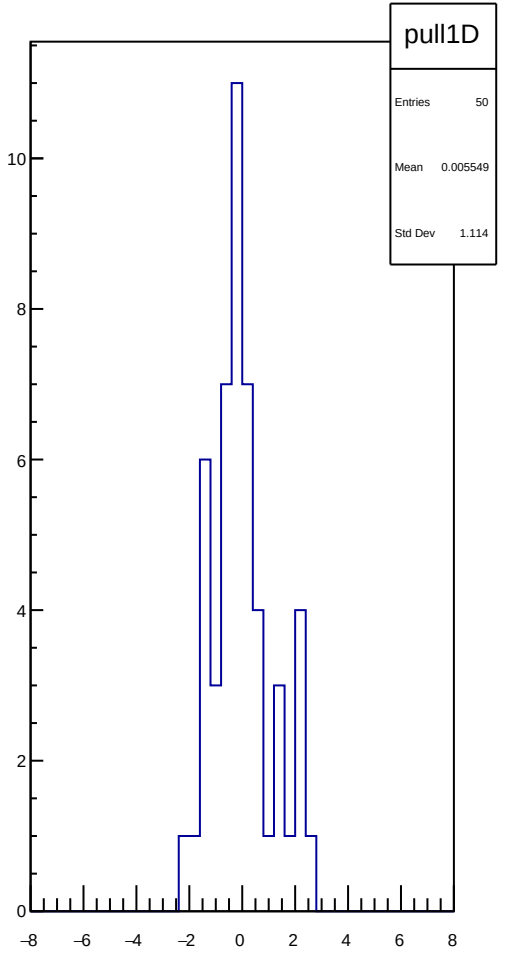

diff_bpm2i02Y_rms vs run
χ² / ndf 1480 / 49
p0 904.2 ± 0.9274
1000
980
960
940
920
900
880
860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

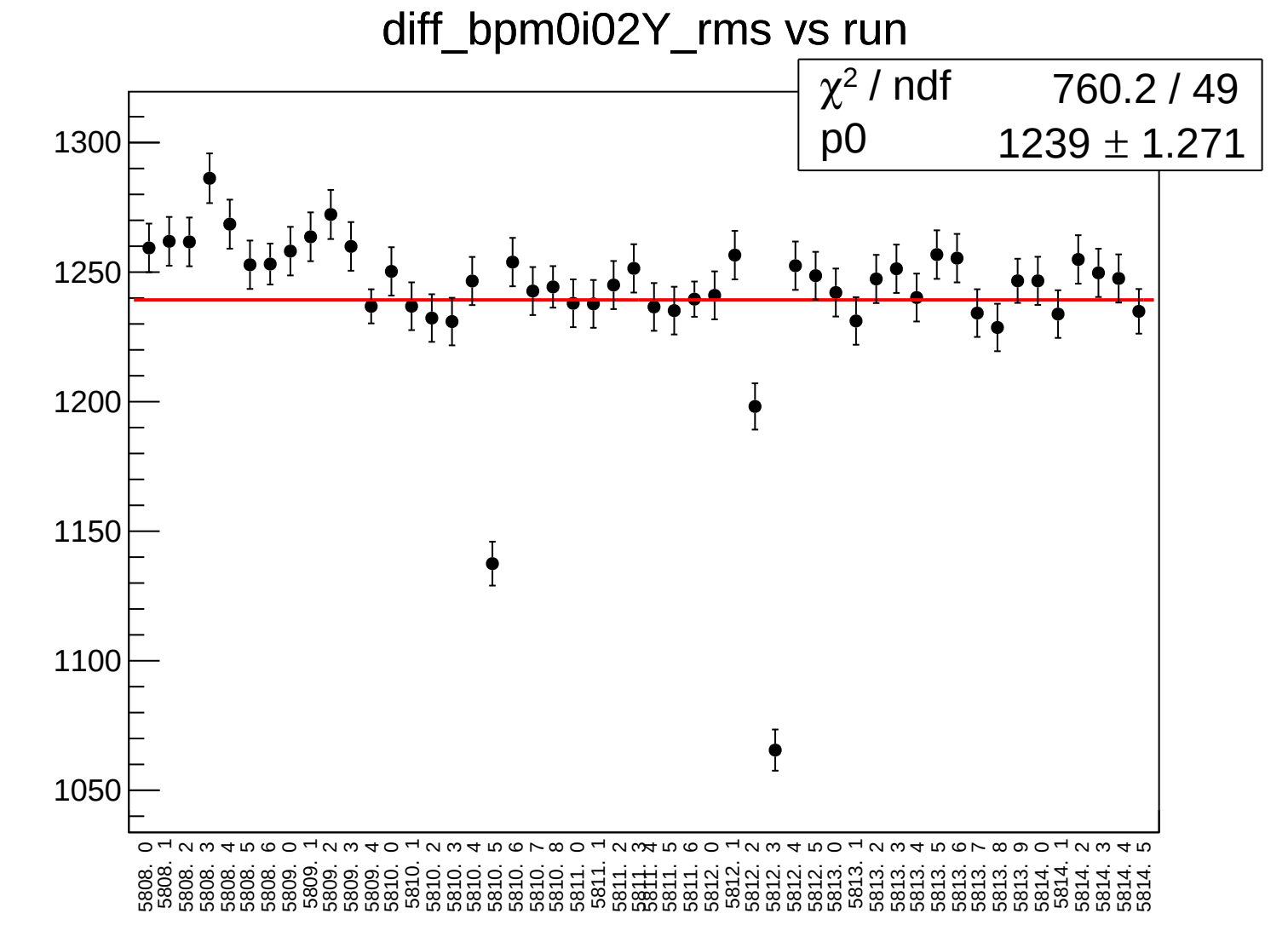

diff_bpm0i02X_mean vs run
χ² / ndf 43.11 / 49
p0 14.31 ± 1.971
pull
Entries 50
Mean −1646
Std Dev 0


pull1D
Entries 50
Mean −0.0032
Std Dev 0.9285


diff_bpm0i02X_rms vs run
χ² / ndf 285.8 / 49
p0 1360 ± 1.394
1420
1400
1380
1360
1340
1320
1300
1280
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm0i02Y_mean vs run
χ² / ndf 62.11 / 49
p0 28.64 ± 1.797
pull
Entries 50
Mean −1150
Std Dev 0


pull1D
Entries 50
Mean 0.005549
Std Dev 1.114


diff_bpm0i02Y_rms vs run
χ² / ndf 760.2 / 49
p0 1239 ± 1.271
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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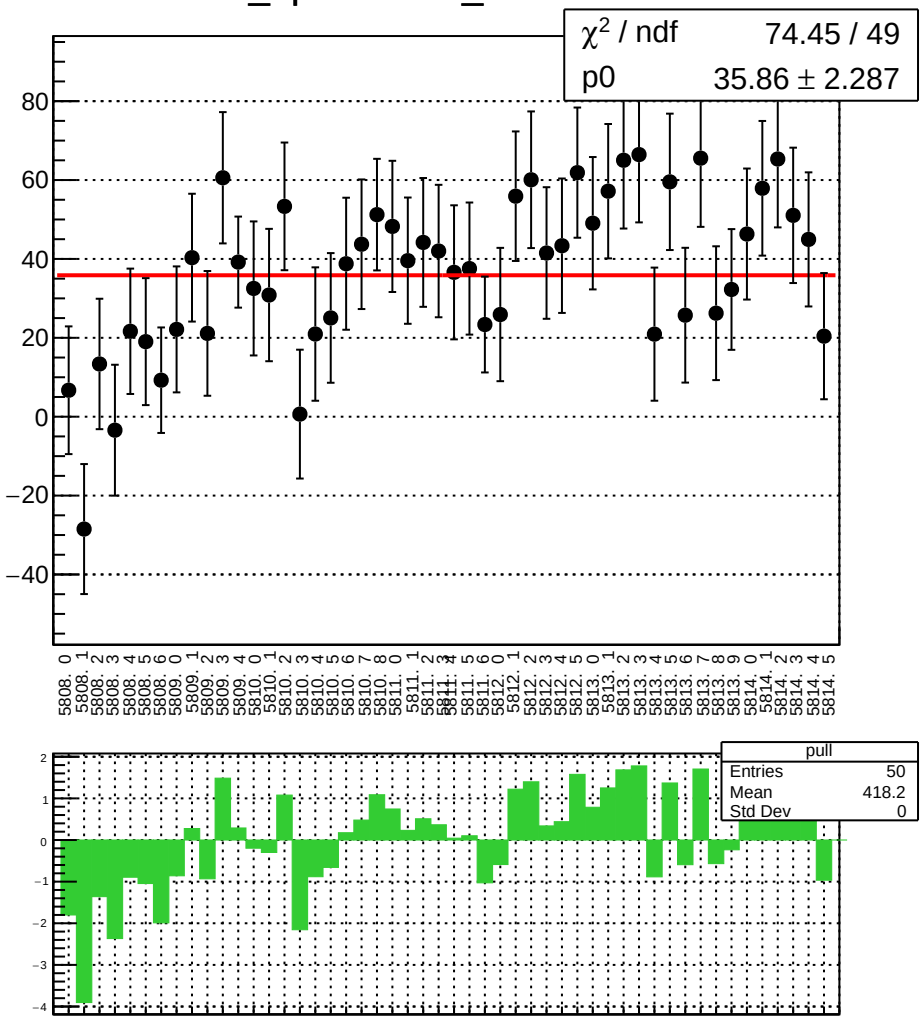
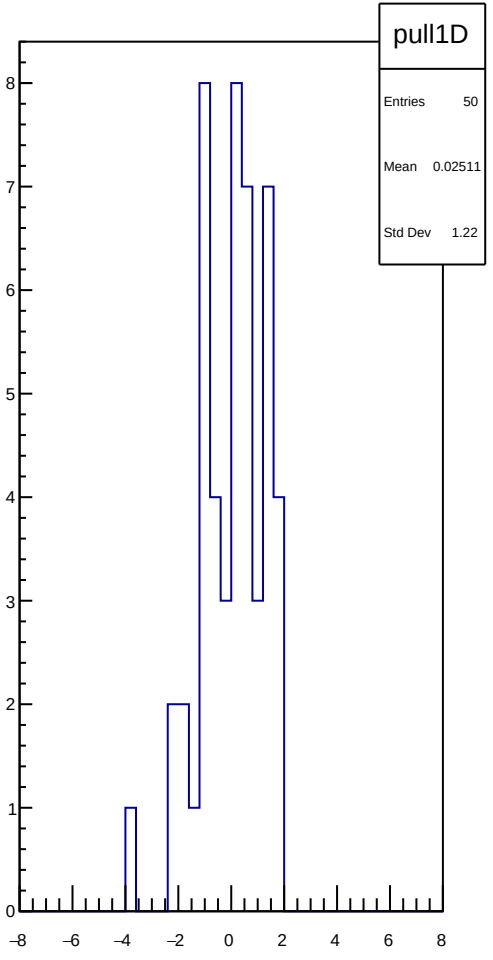
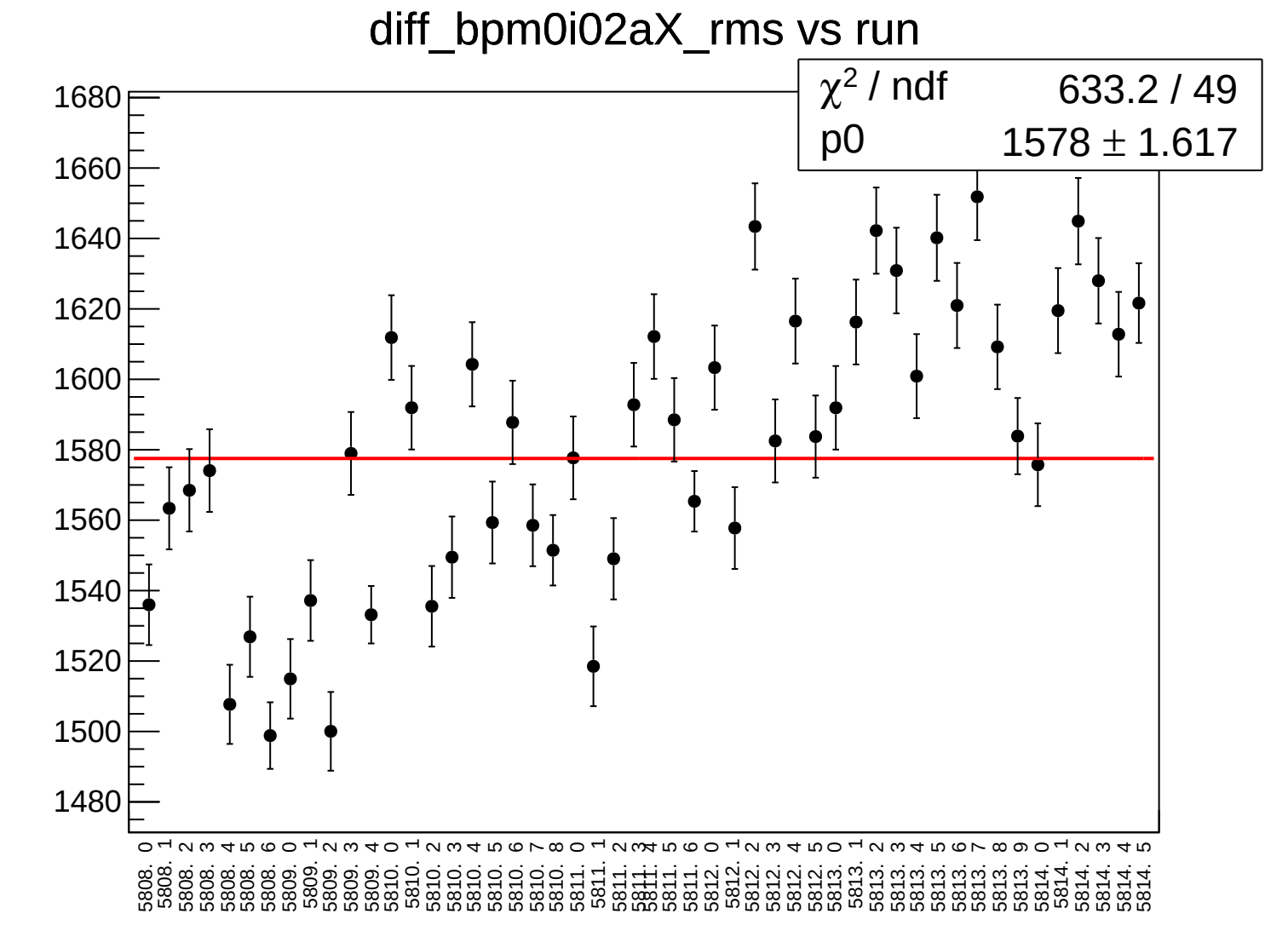
5814. 5


diff_bpm0i02aX_mean vs run
χ² / ndf 74.45 / 49
p0 35.86 ± 2.287
pull
Entries 50
Mean 418.2
Std Dev 0


pull1D
Entries 50
Mean 0.02511
Std Dev 1.22


diff_bpm0i02aX_rms vs run
χ² / ndf 633.2 / 49
p0 1578 ± 1.617
1680
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 1
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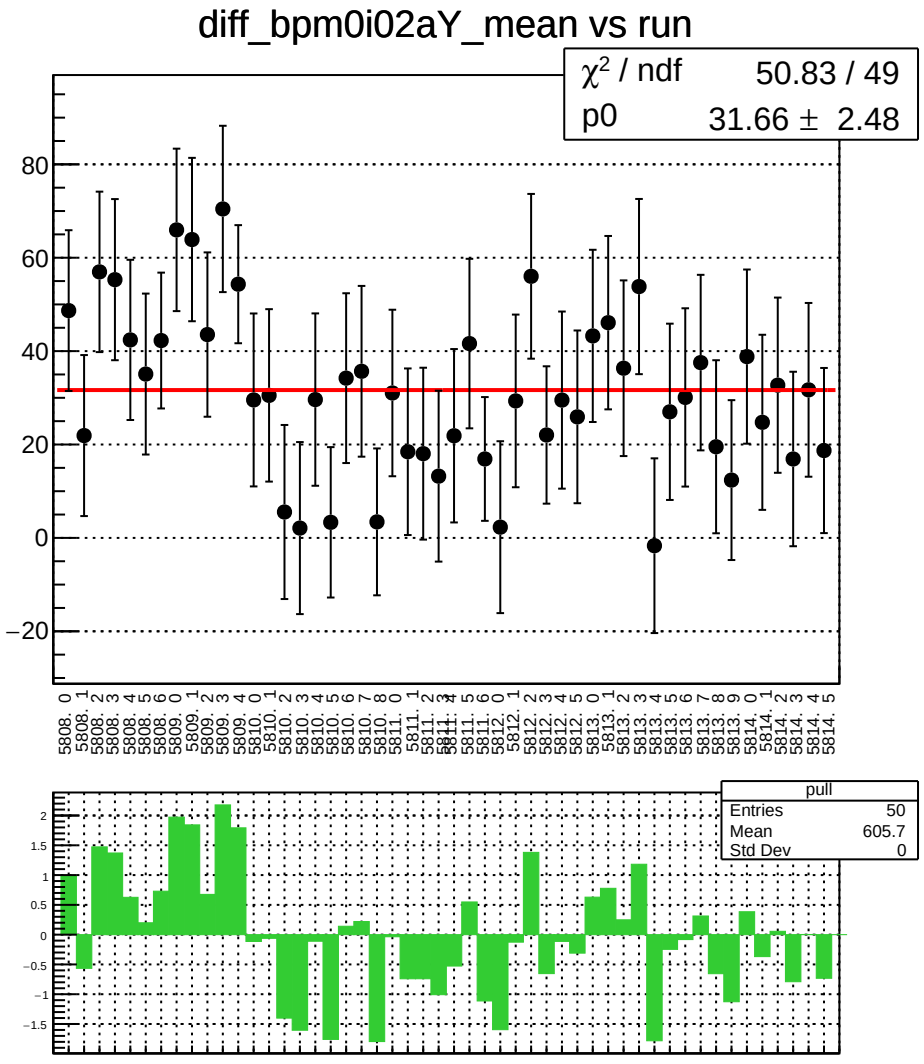
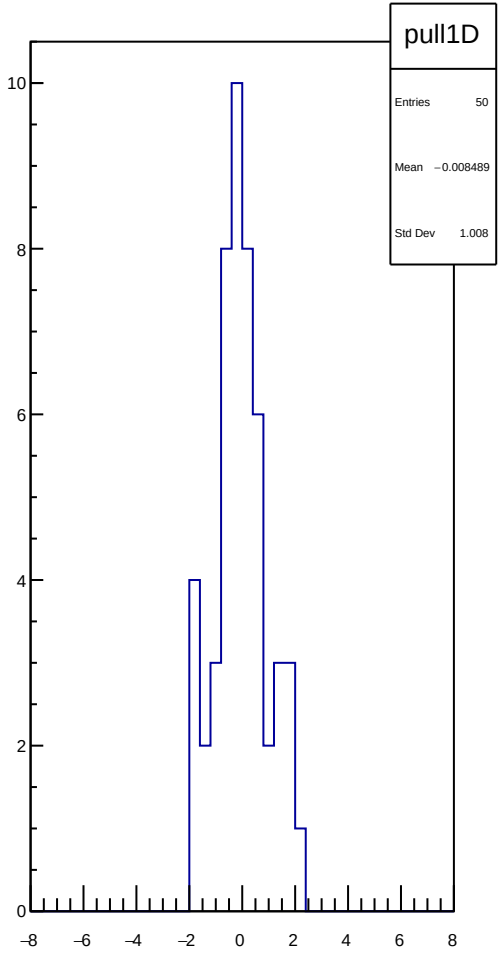
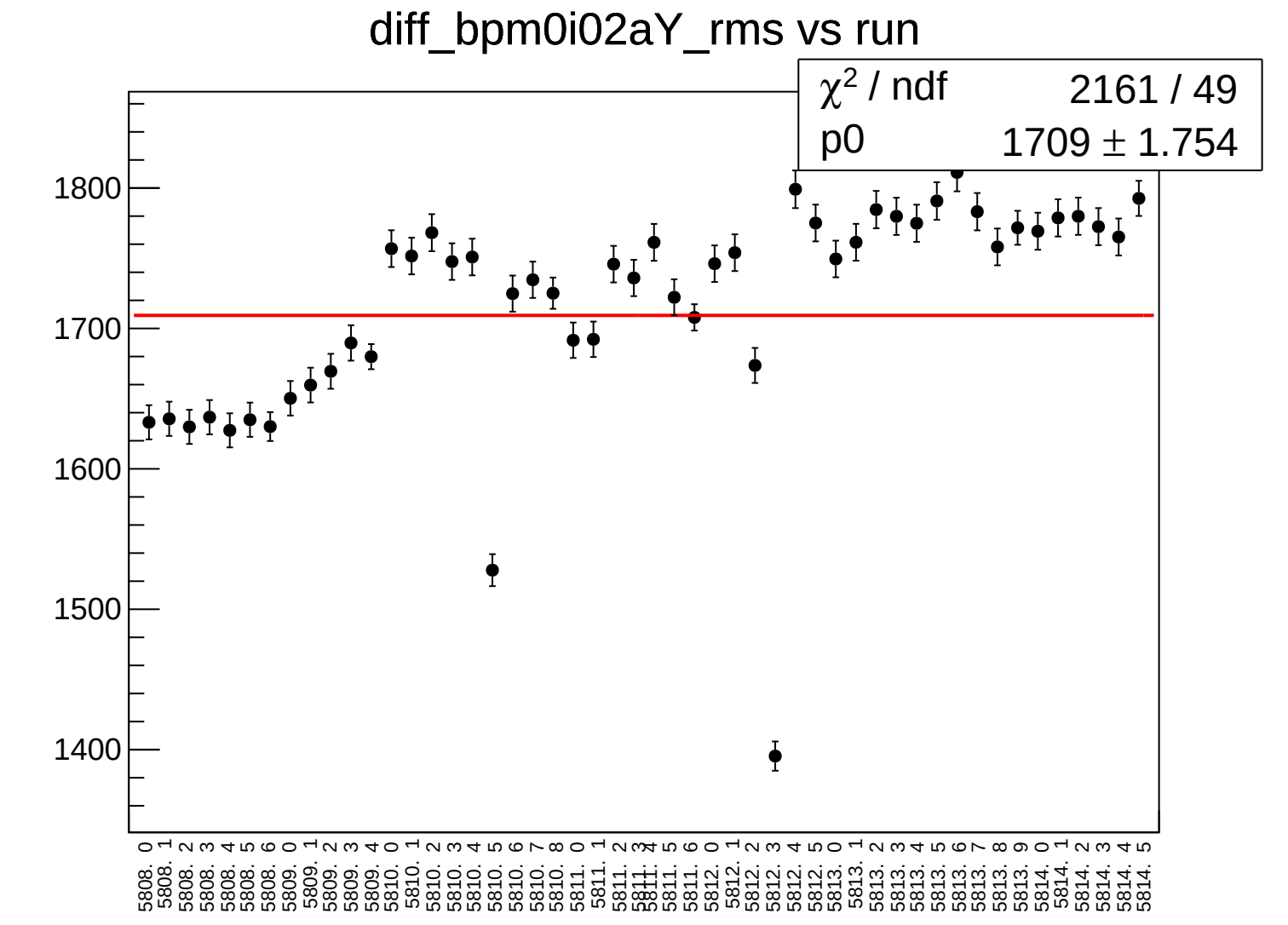
5814. 5


diff_bpm0i02aY_mean vs run
χ² / ndf 50.83 / 49
p0 31.66 ± 2.48
pull
Entries 50
Mean 605.7
Std Dev 0


pull1D
Entries 50
Mean −0.008489
Std Dev 1.008


diff_bpm0i02aY_rms vs run
χ² / ndf 2161 / 49
p0 1709 ± 1.754
1800
1700
1600
1500
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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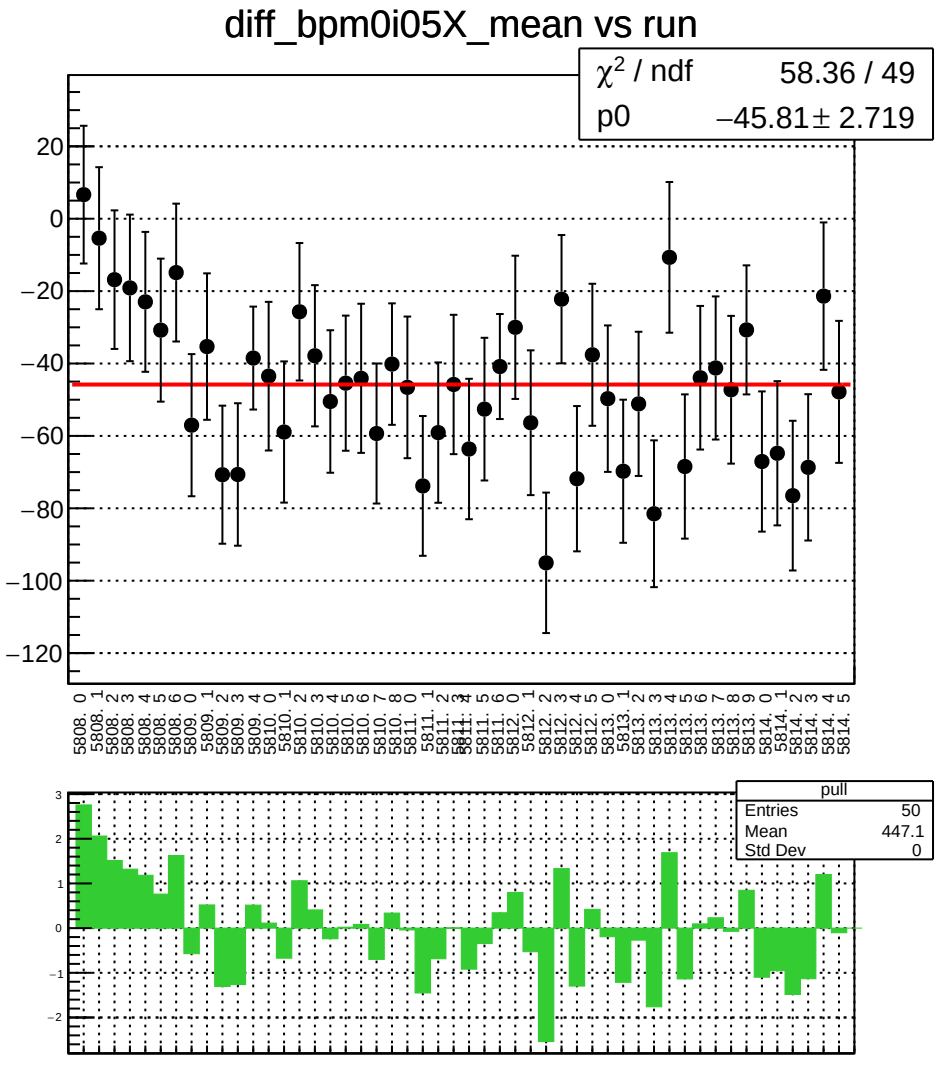
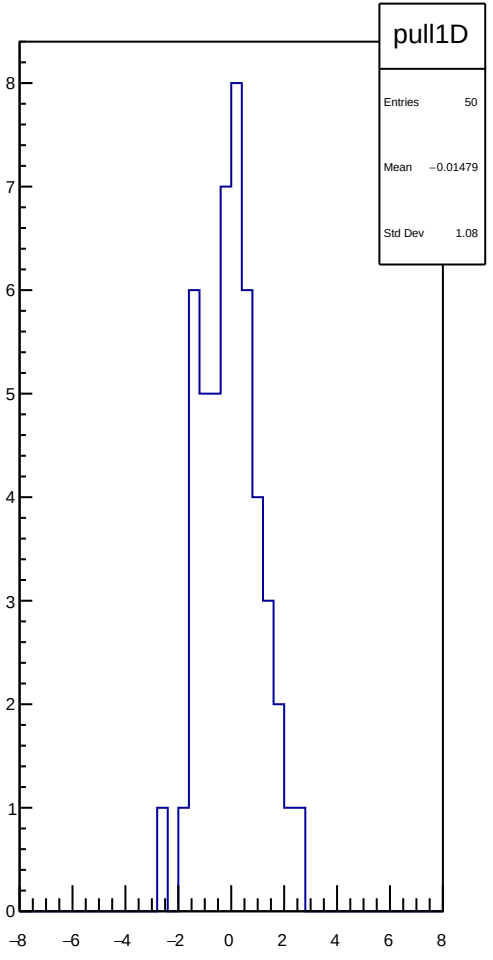
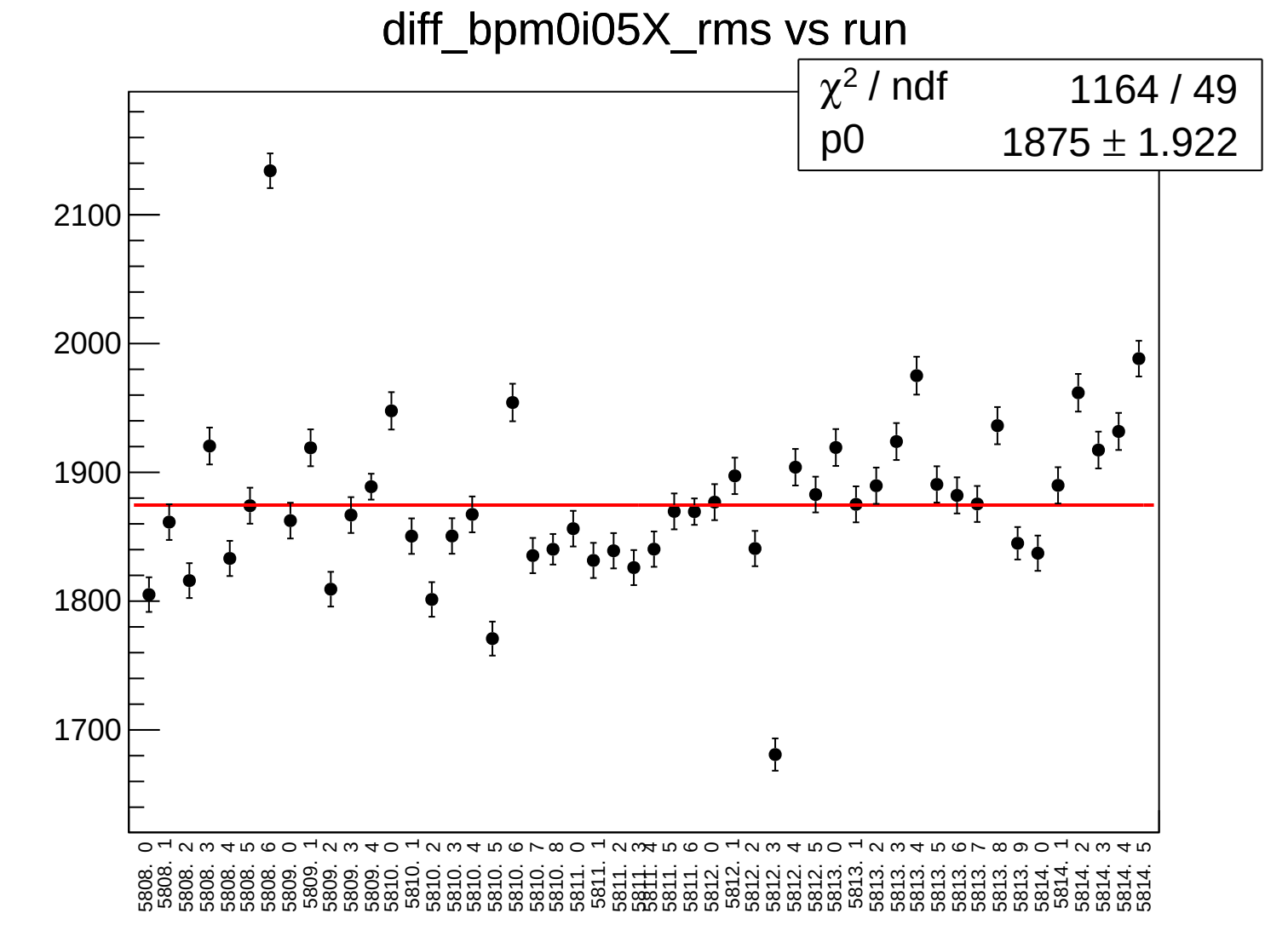
5814. 4
5814. 5


diff_bpm0i05X_mean vs run
χ² / ndf 58.36 / 49
p0 −45.81 ± 2.719
pull
Entries 50
Mean 447.1
Std Dev 0


pull1D
Entries 50
Mean −0.01479
Std Dev 1.08


diff_bpm0i05X_rms vs run
χ² / ndf 1164 / 49
p0 1875 ± 1.922
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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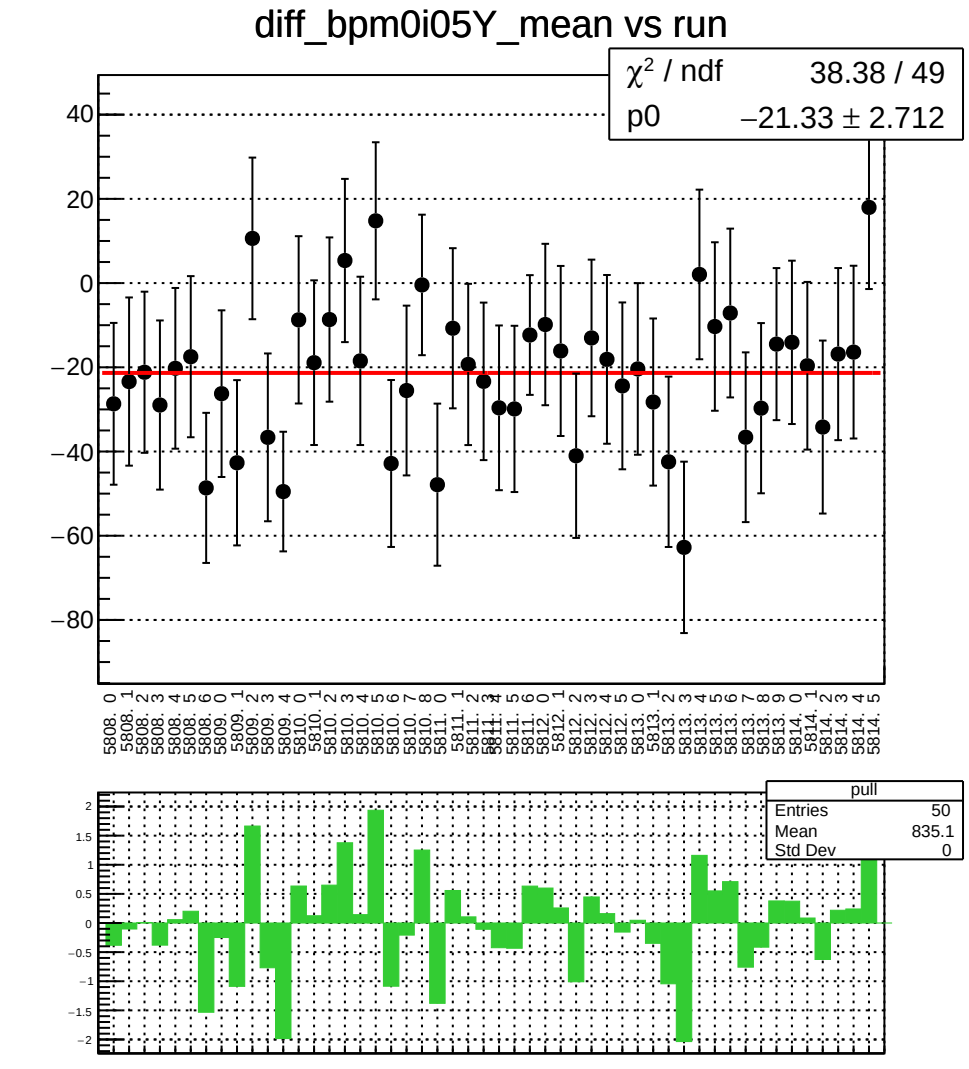
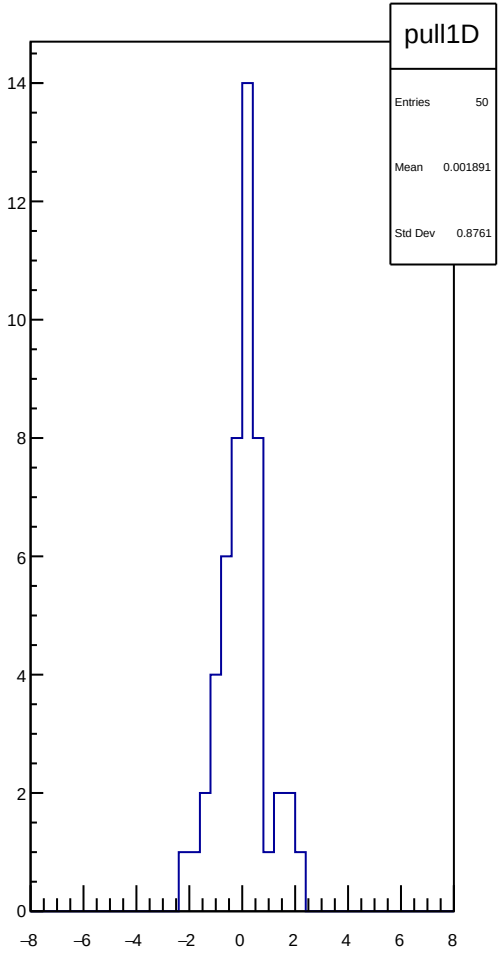
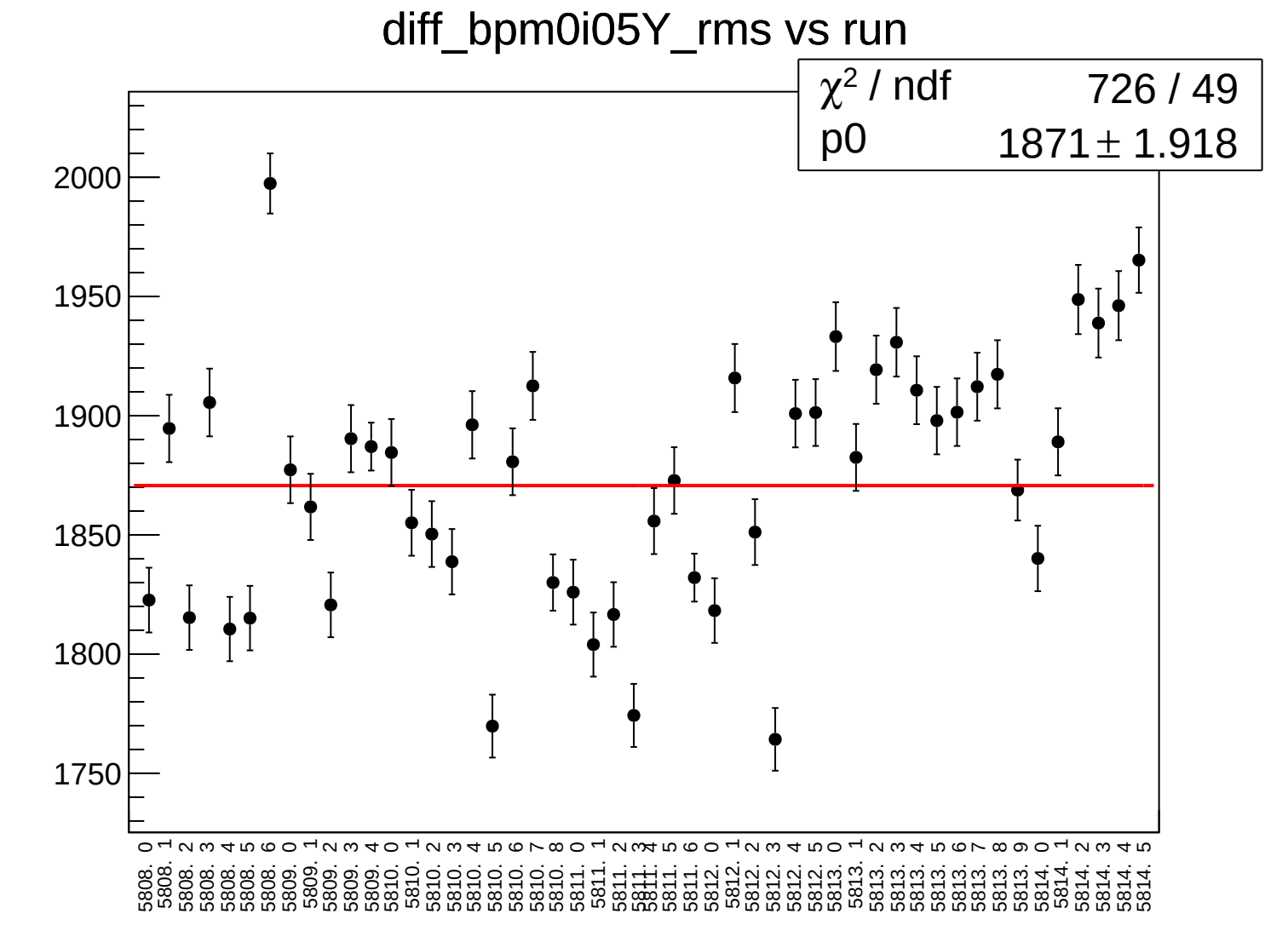
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm0i05Y_mean vs run
χ² / ndf 38.38 / 49
p0 −21.33 ± 2.712
pull
Entries 50
Mean 835.1
Std Dev 0


pull1D
Entries 50
Mean 0.001891
Std Dev 0.8761


diff_bpm0i05Y_rms vs run
χ² / ndf 726 / 49
p0 1871 ± 1.918
2000
1950
1900
1850
1800
1750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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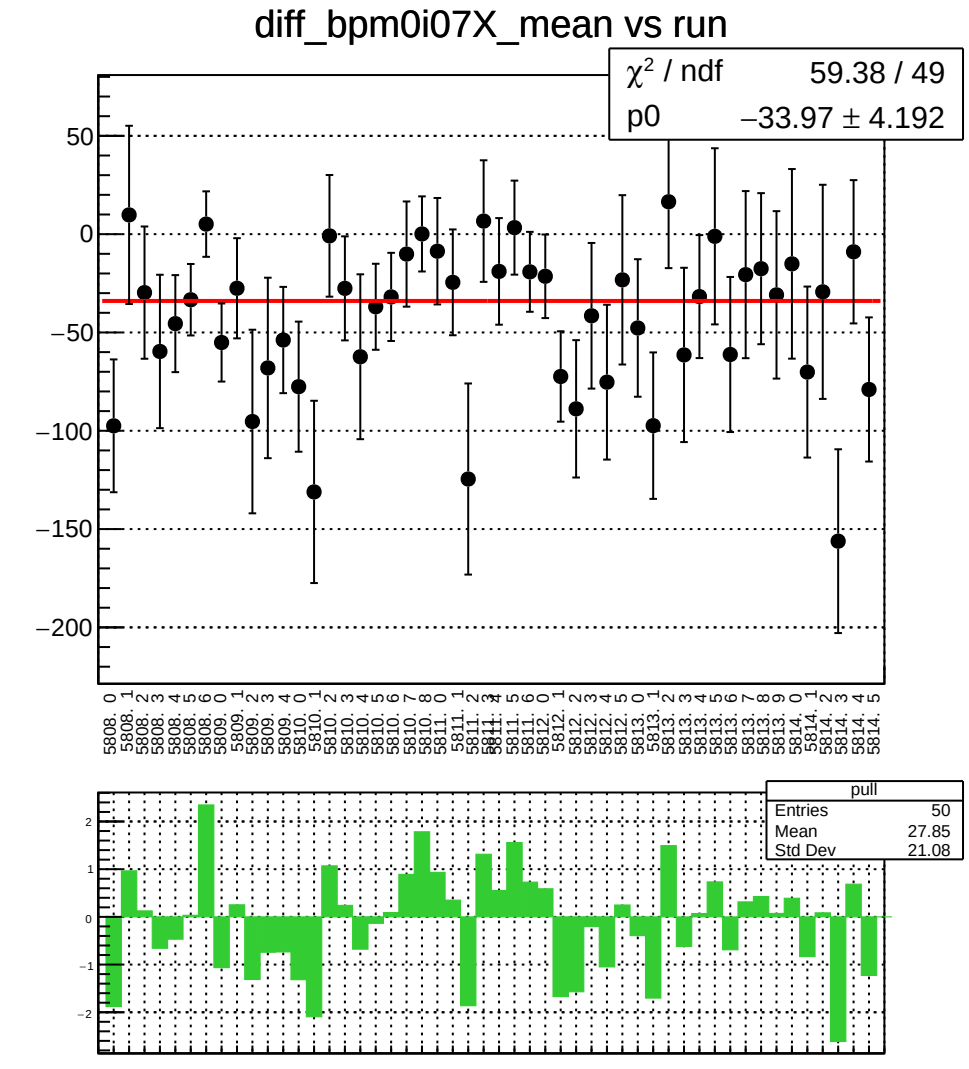
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm0i07X_mean vs run
χ² / ndf 59.38 / 49
p0 −33.97 ± 4.192
50
0
−50
−100
−150
−200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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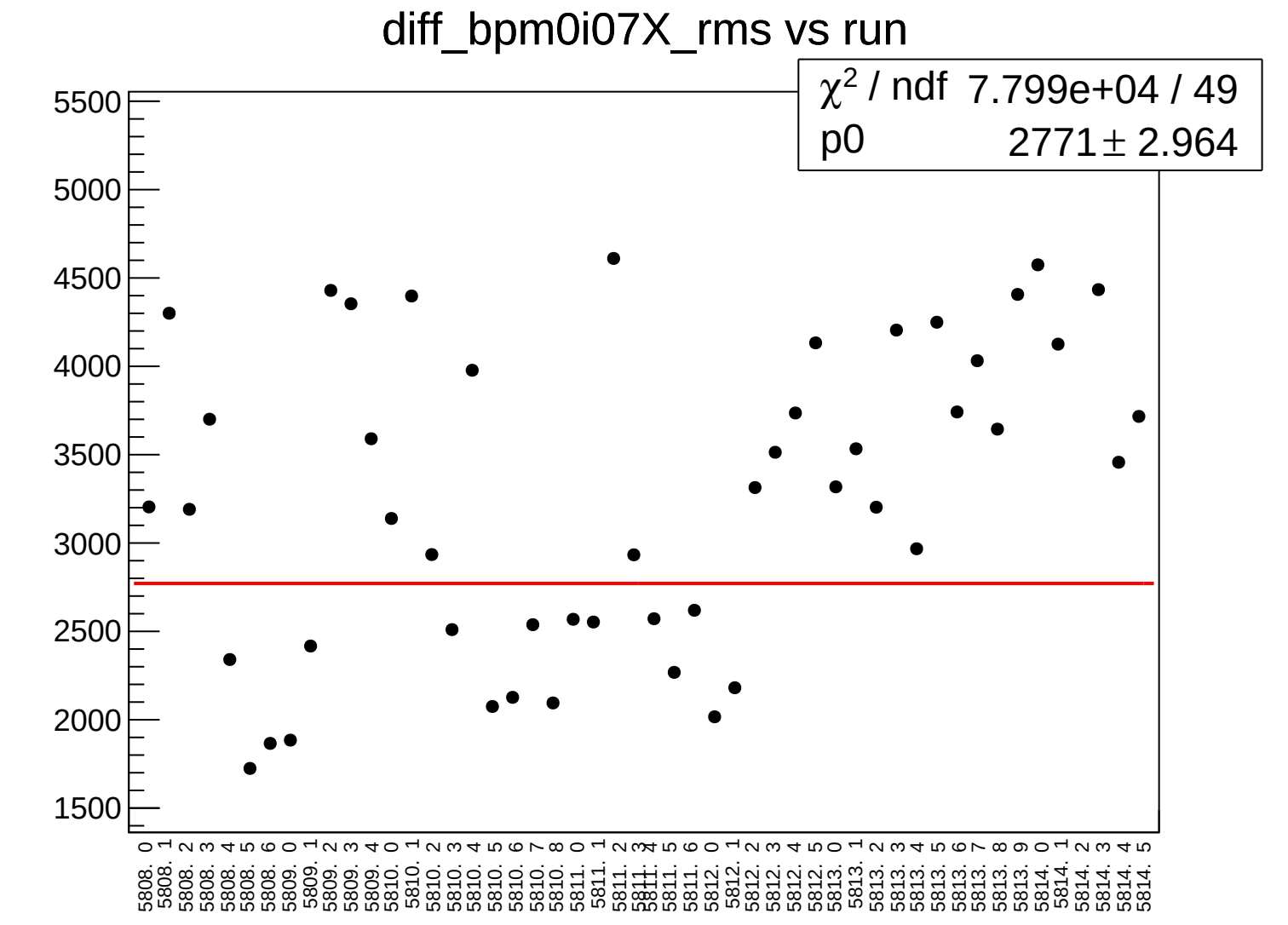
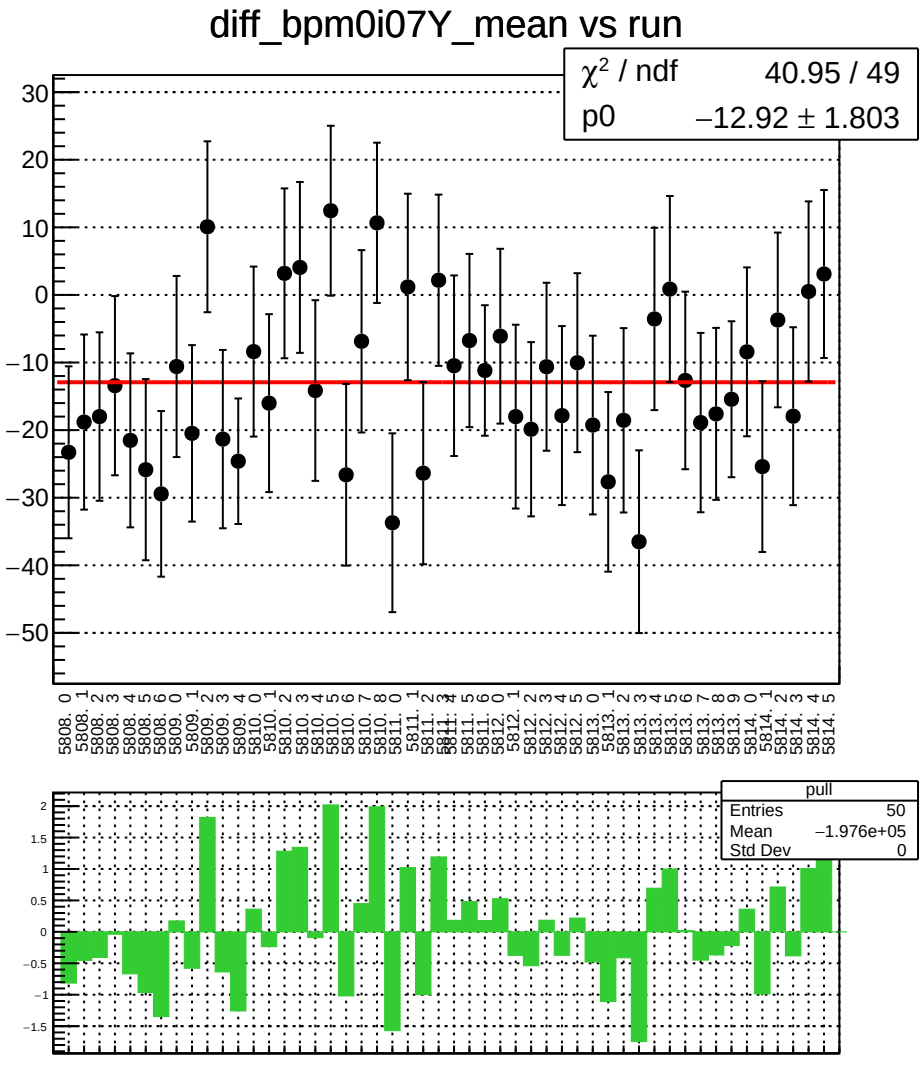
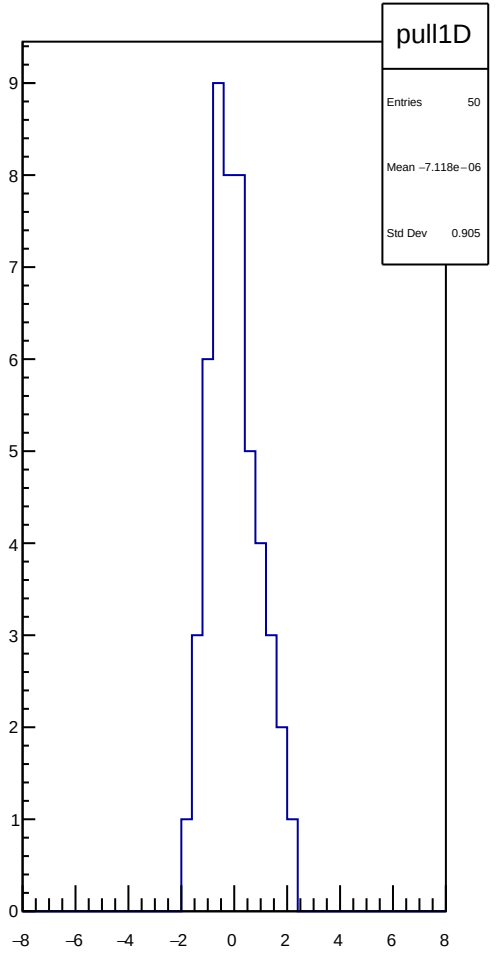
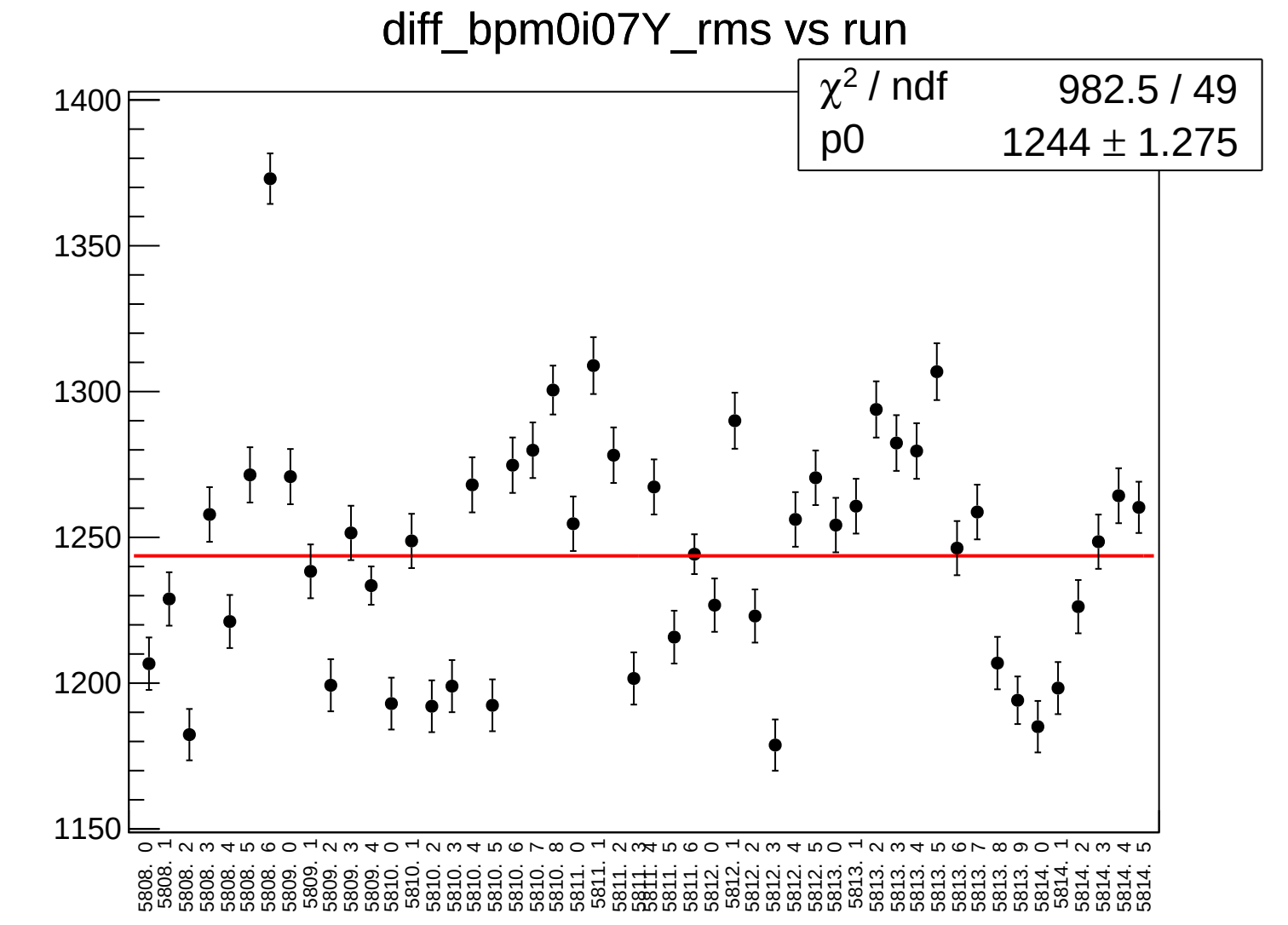
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 27.85
Std Dev 21.08
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.1433
Std Dev 1.08
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


diff_bpm0i07X_rms vs run
χ² / ndf 7.799e+04 / 49
p0 2771 ± 2.964
5500
5000
4500
4000
3500
3000
2500
2000
1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


diff_bpm0i07Y_mean vs run
χ² / ndf 40.95 / 49
p0 −12.92 ± 1.803
pull
Entries 50
Mean −1.976e+05
Std Dev 0


pull1D
Entries 50
Mean −7.118e−06
Std Dev 0.905


diff_bpm0i07Y_rms vs run
χ² / ndf 982.5 / 49
p0 1244 ± 1.275
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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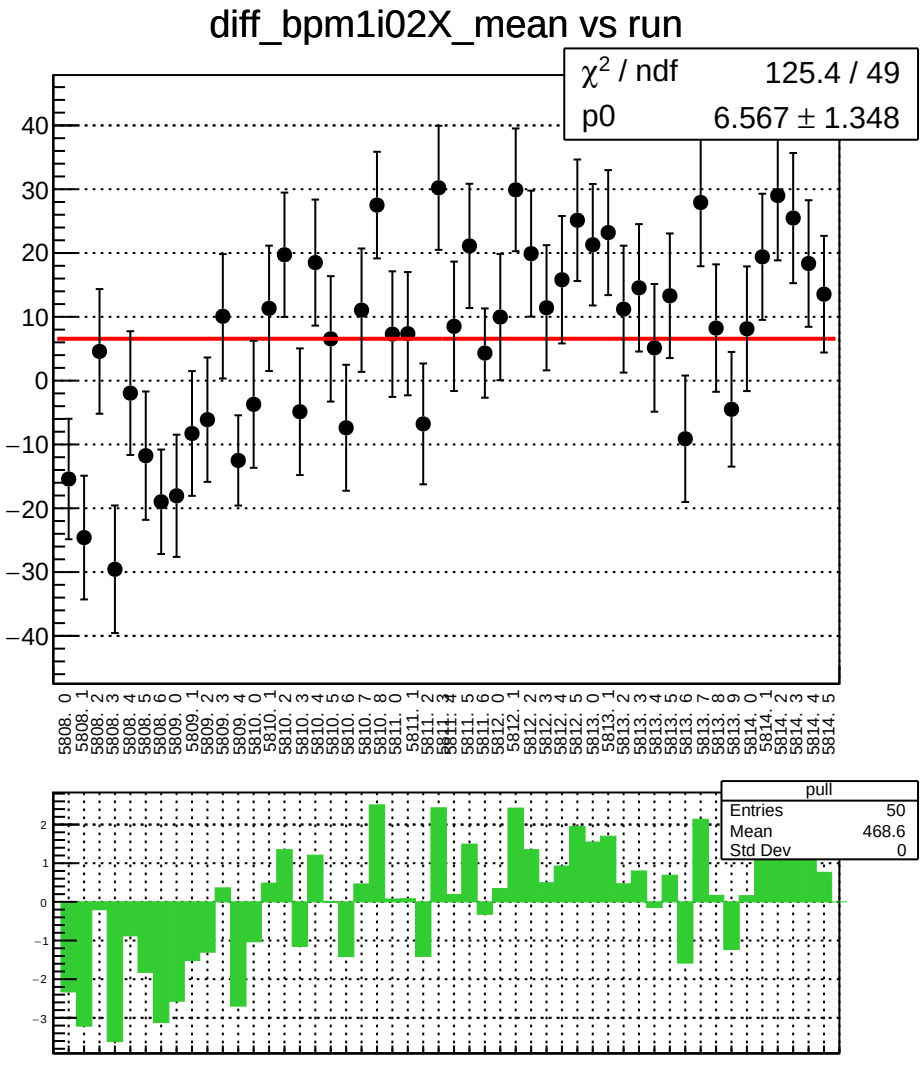
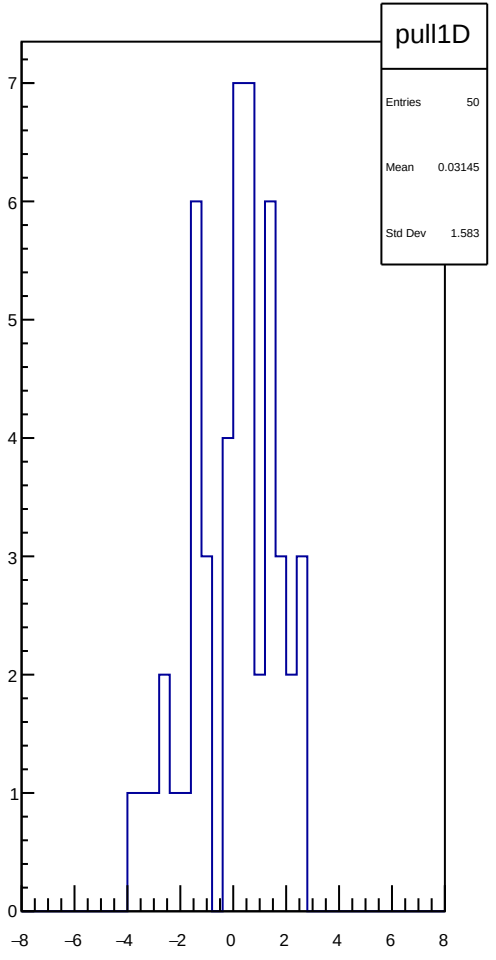
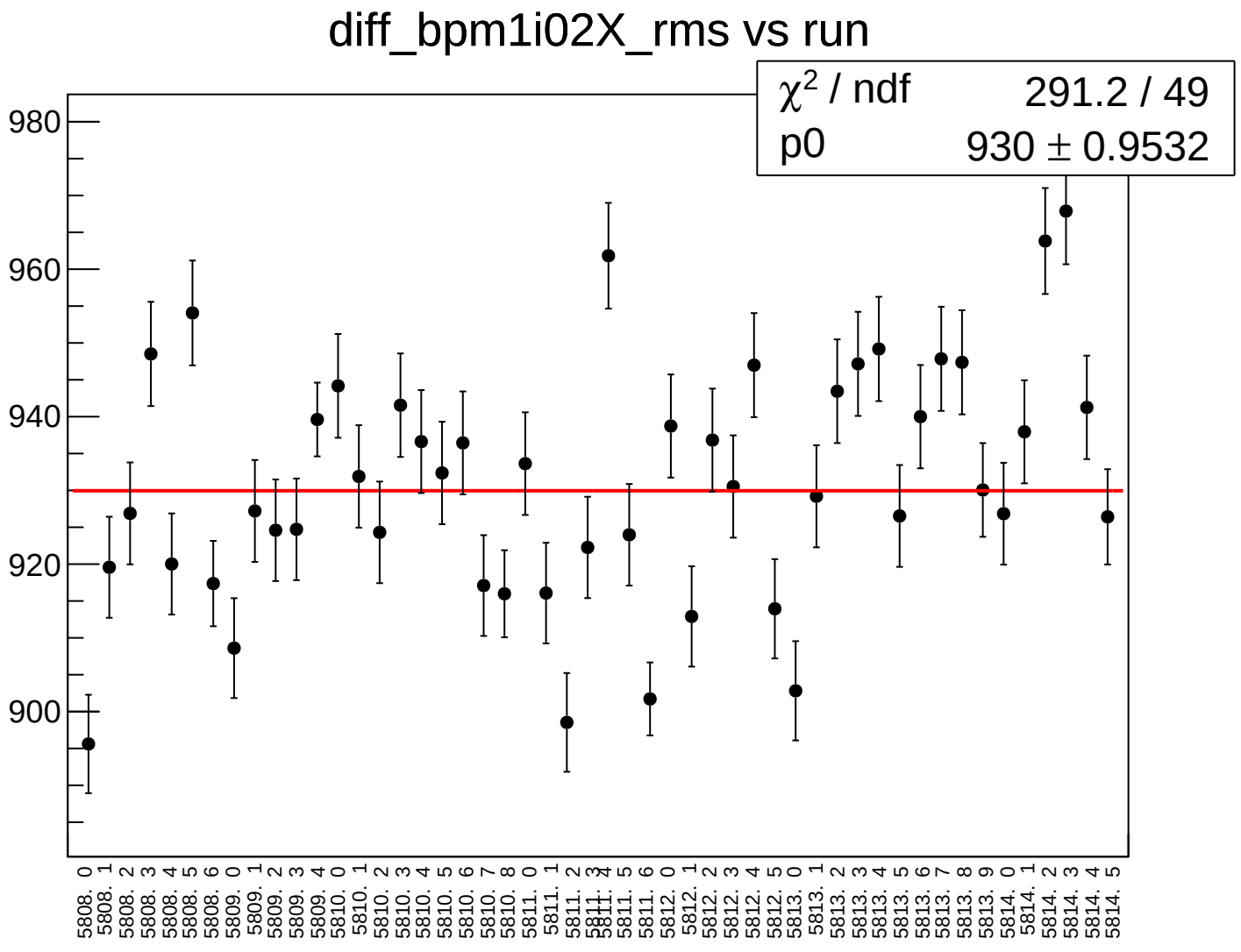
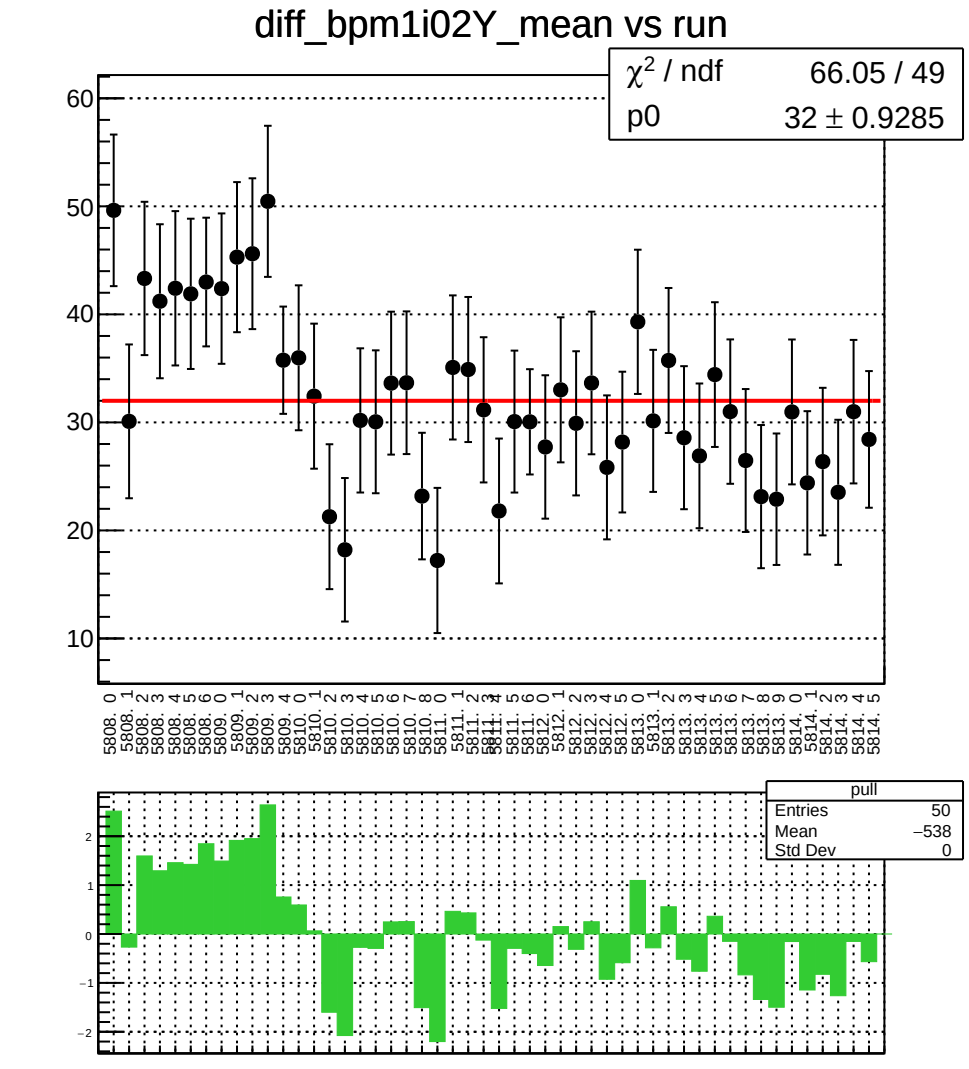
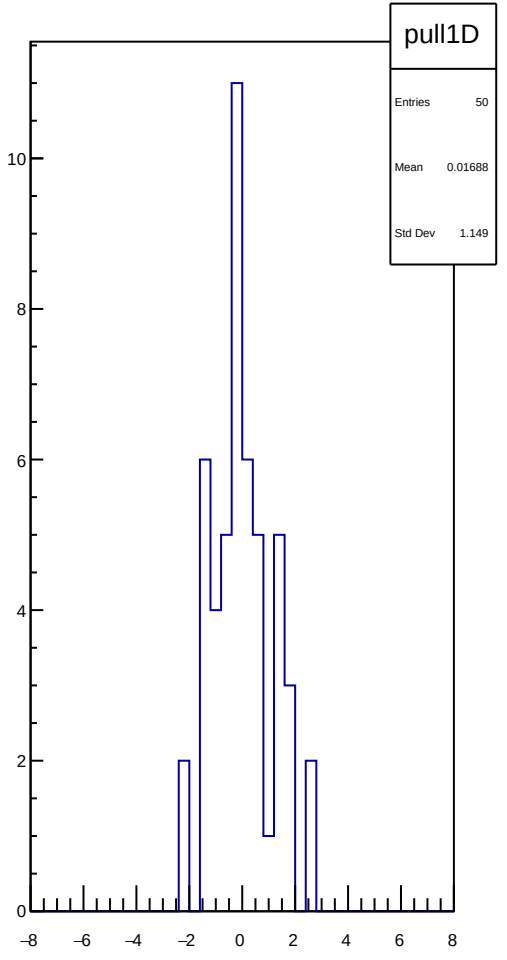
5814. 4
5814. 5

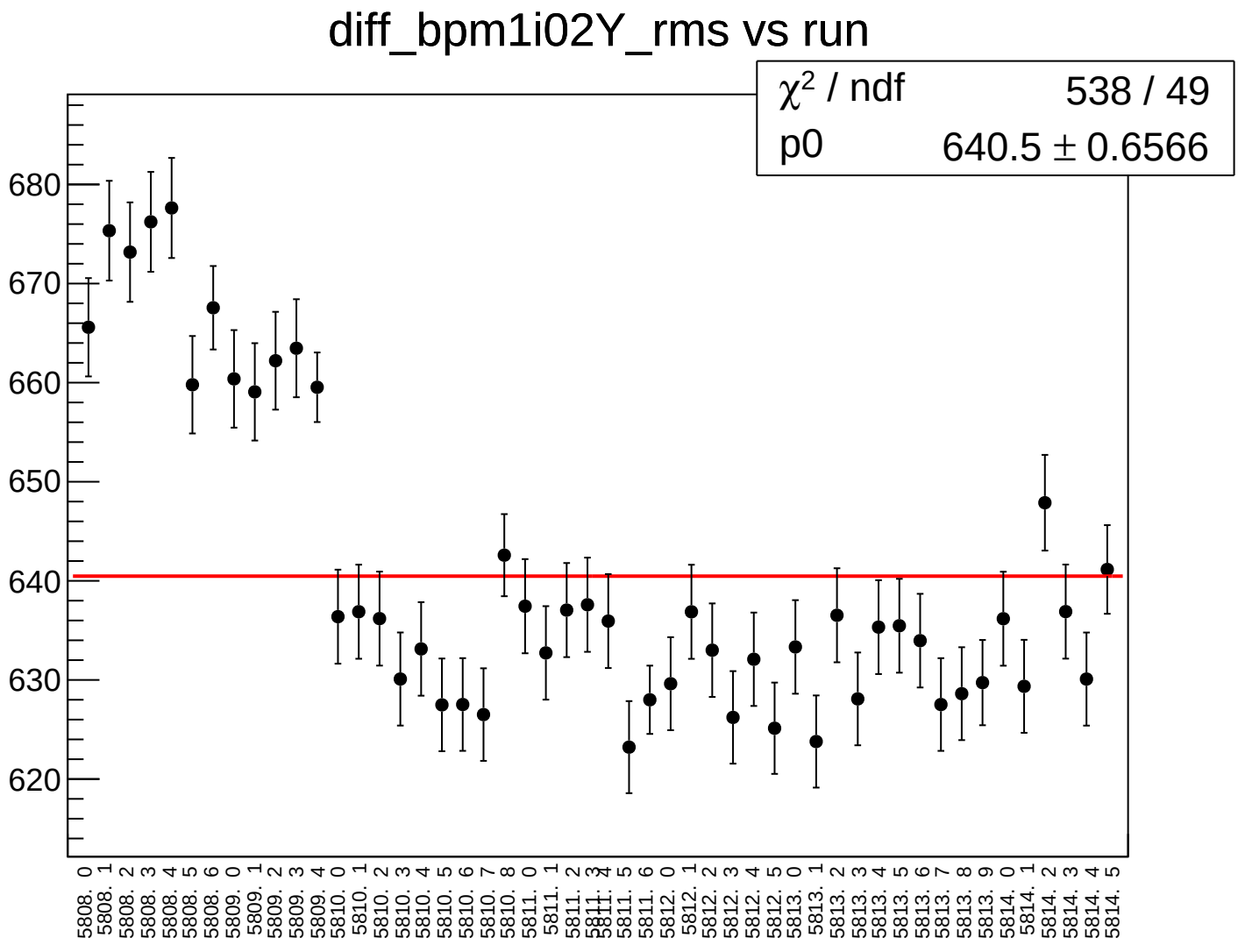

diff_bpm1i02X_mean vs run
χ² / ndf 125.4 / 49
p0 6.567 ± 1.348
pull
Entries 50
Mean 468.6
Std Dev 0

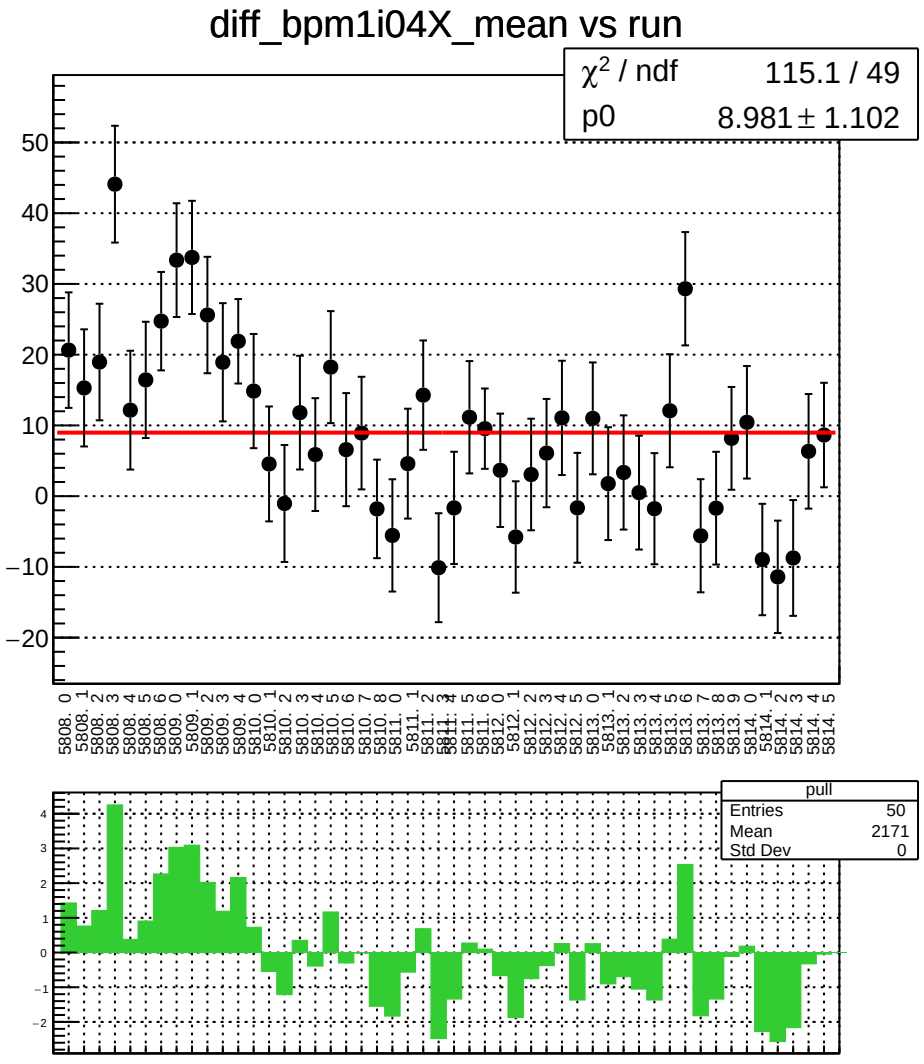

pull1D
Entries 50
Mean 0.03145
Std Dev 1.583

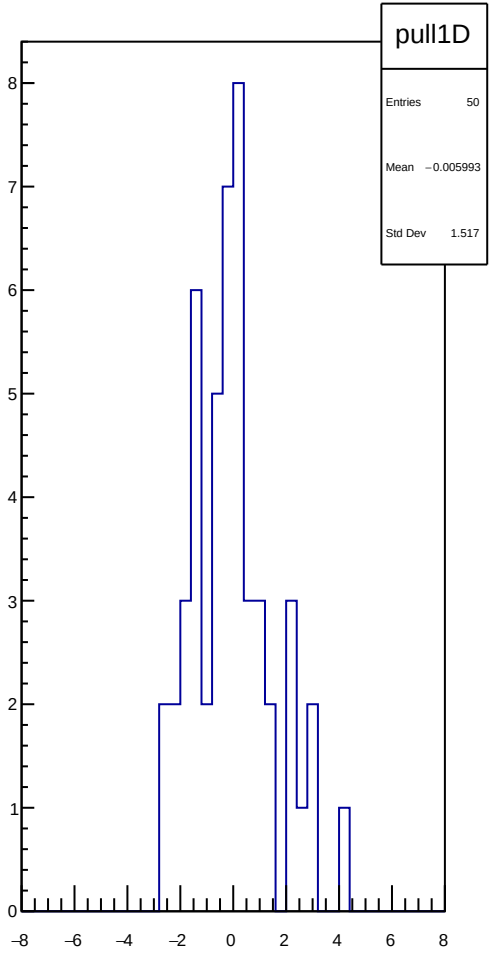

diff_bpm1i02X_rms vs run
χ^2 / ndf 291.2 / 49
p0 930 ± 0.9532
980
960
940
920
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

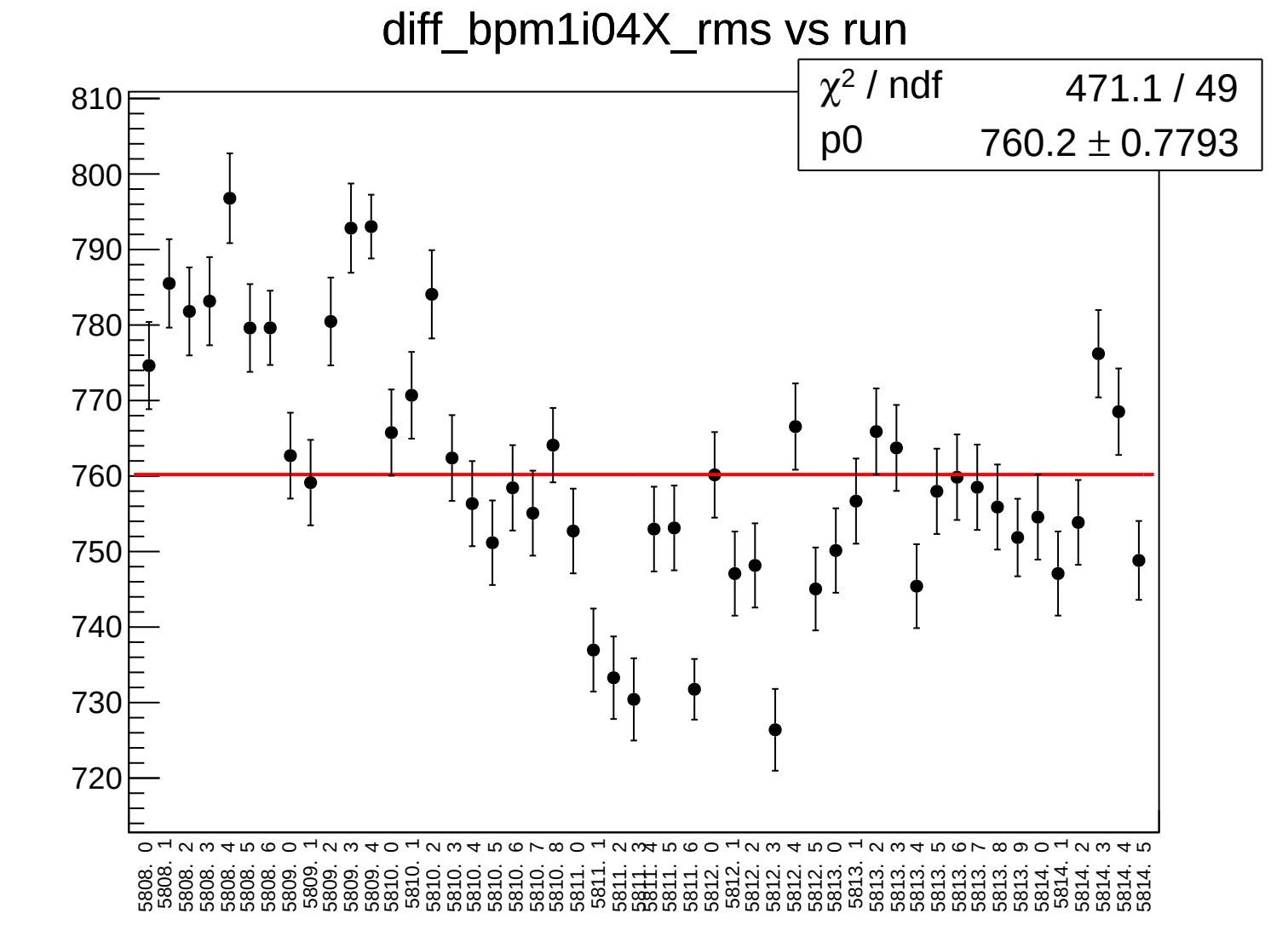

diff_bpm1i02Y_mean vs run
χ² / ndf 66.05 / 49
p0 32 ± 0.9285
pull
Entries 50
Mean −538
Std Dev 0

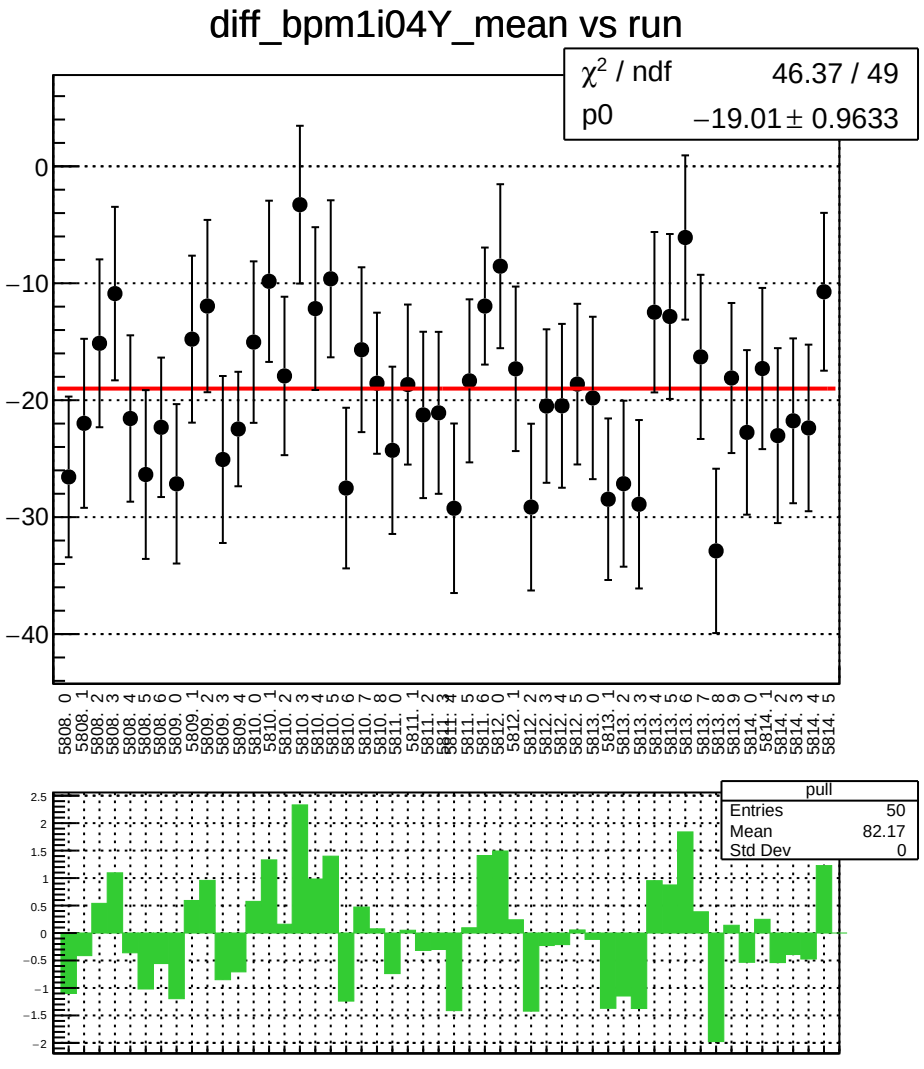

pull1D
Entries 50
Mean 0.01688
Std Dev 1.149

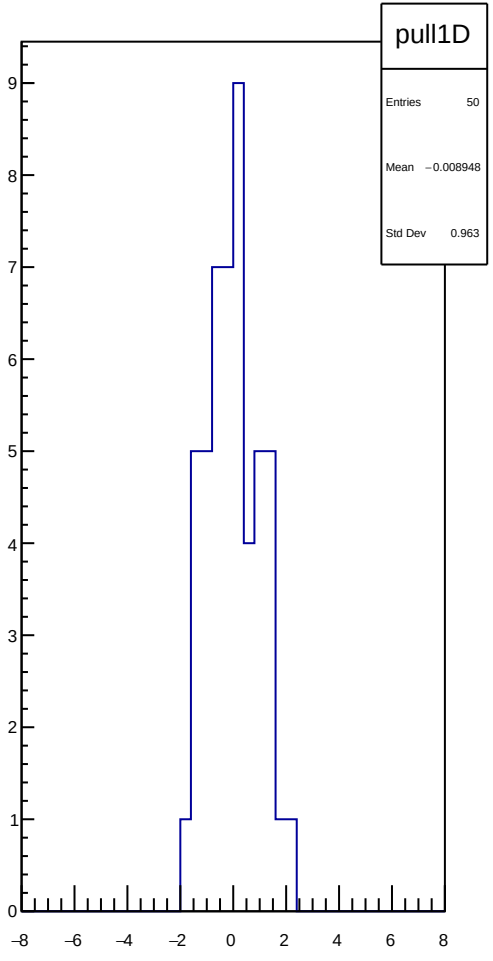

diff_bpm1i02Y_rms vs run
χ² / ndf 538 / 49
p0 640.5 ± 0.6566
680
670
660
650
640
630
620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

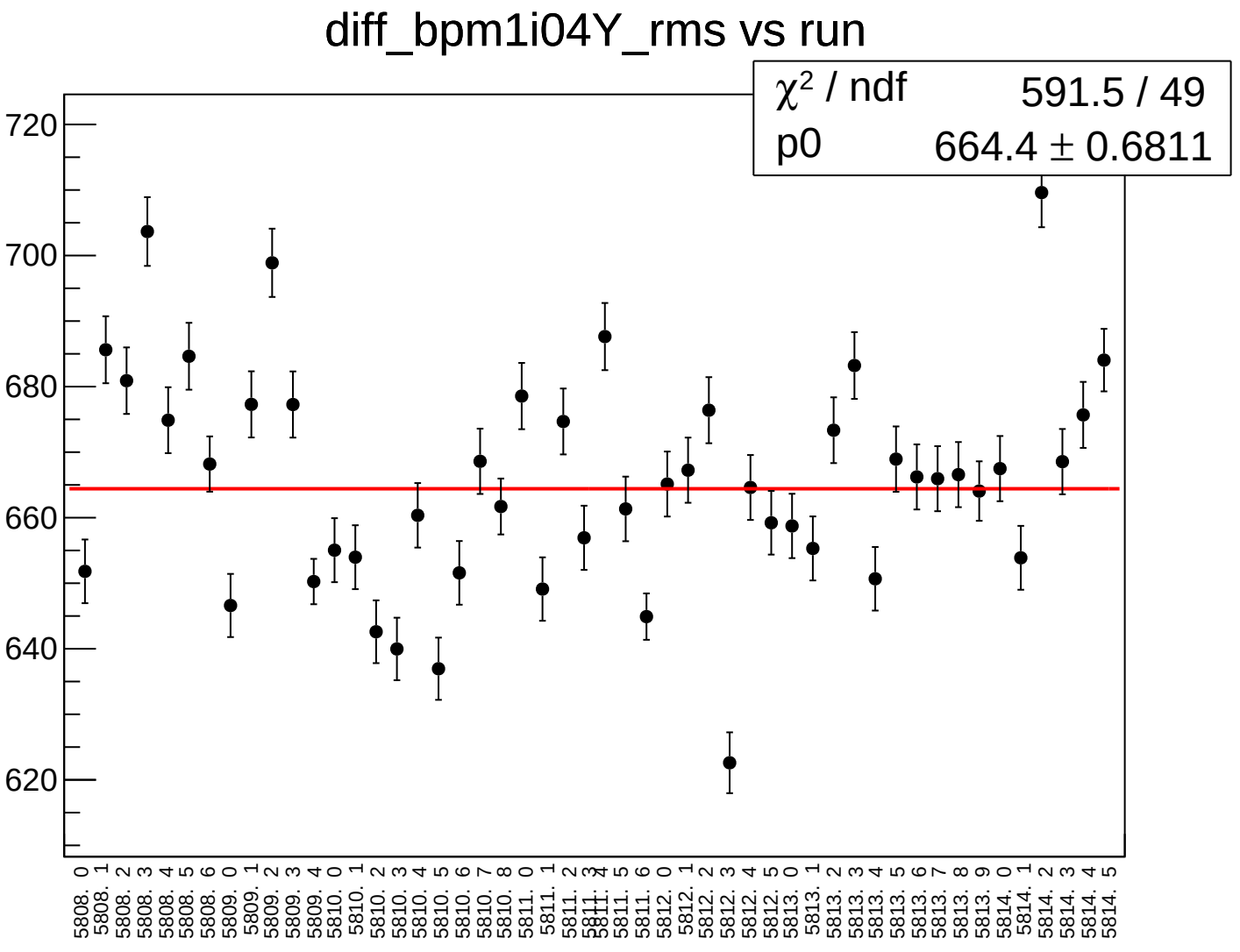

diff_bpm1i04X_mean vs run
χ^2 / ndf 115.1 / 49
p0 8.981 ± 1.102
pull
Entries 50
Mean 2171
Std Dev 0

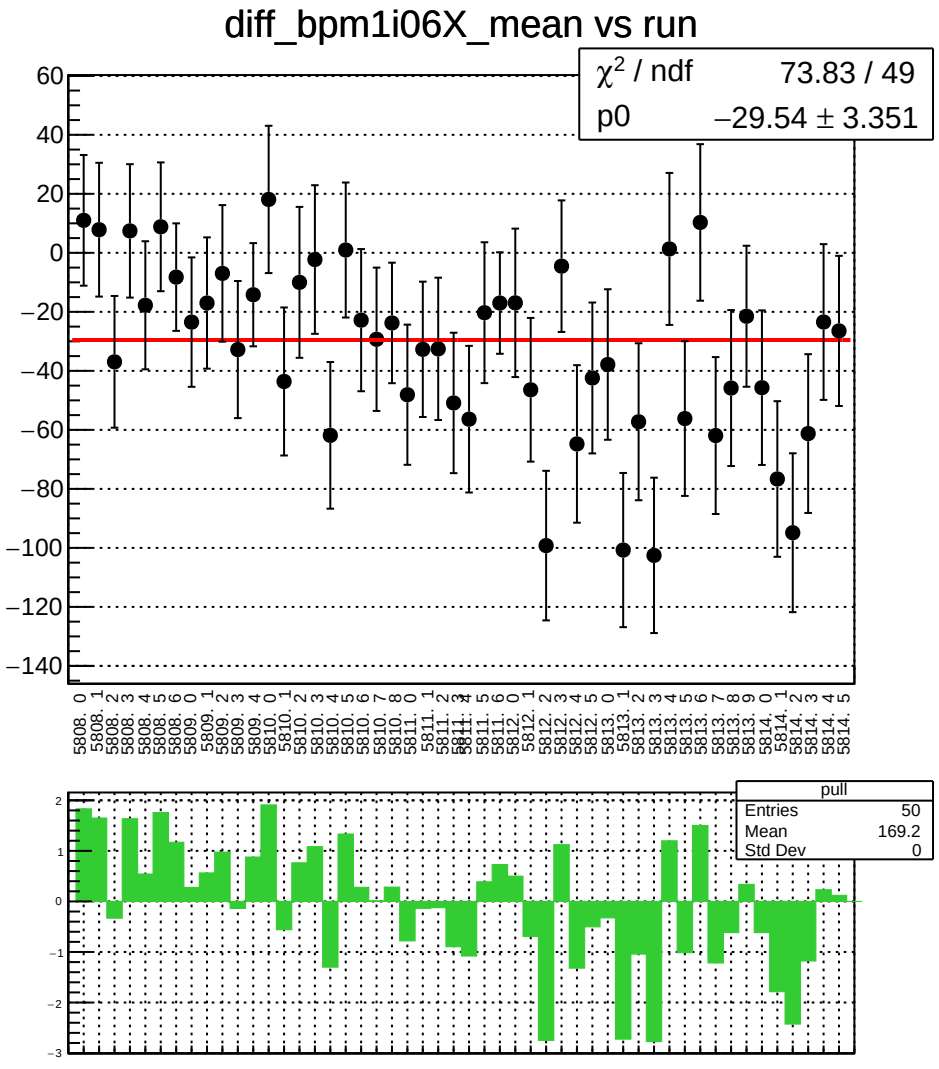

pull1D
Entries 50
Mean −0.005993
Std Dev 1.517

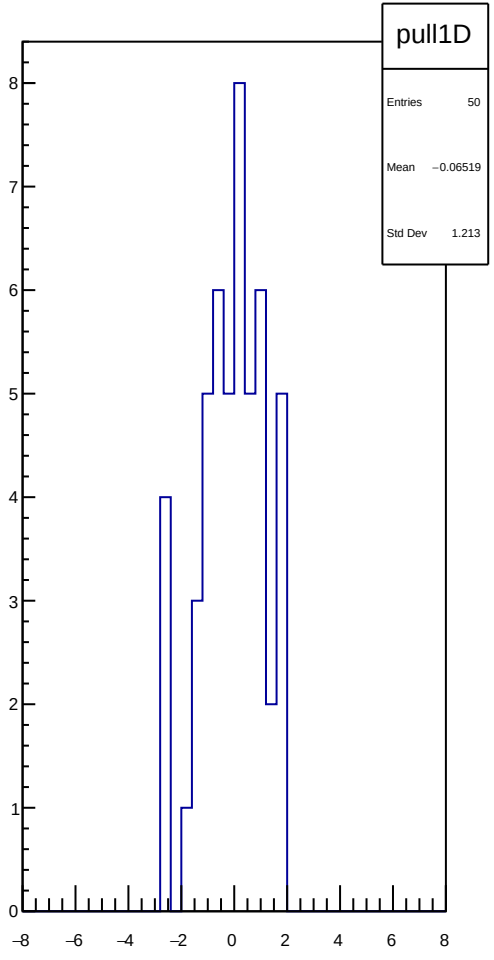

diff_bpm1i04X_rms vs run
χ² / ndf 471.1 / 49
p0 760.2 ± 0.7793
810
800
790
780
770
760
750
740
730
720
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

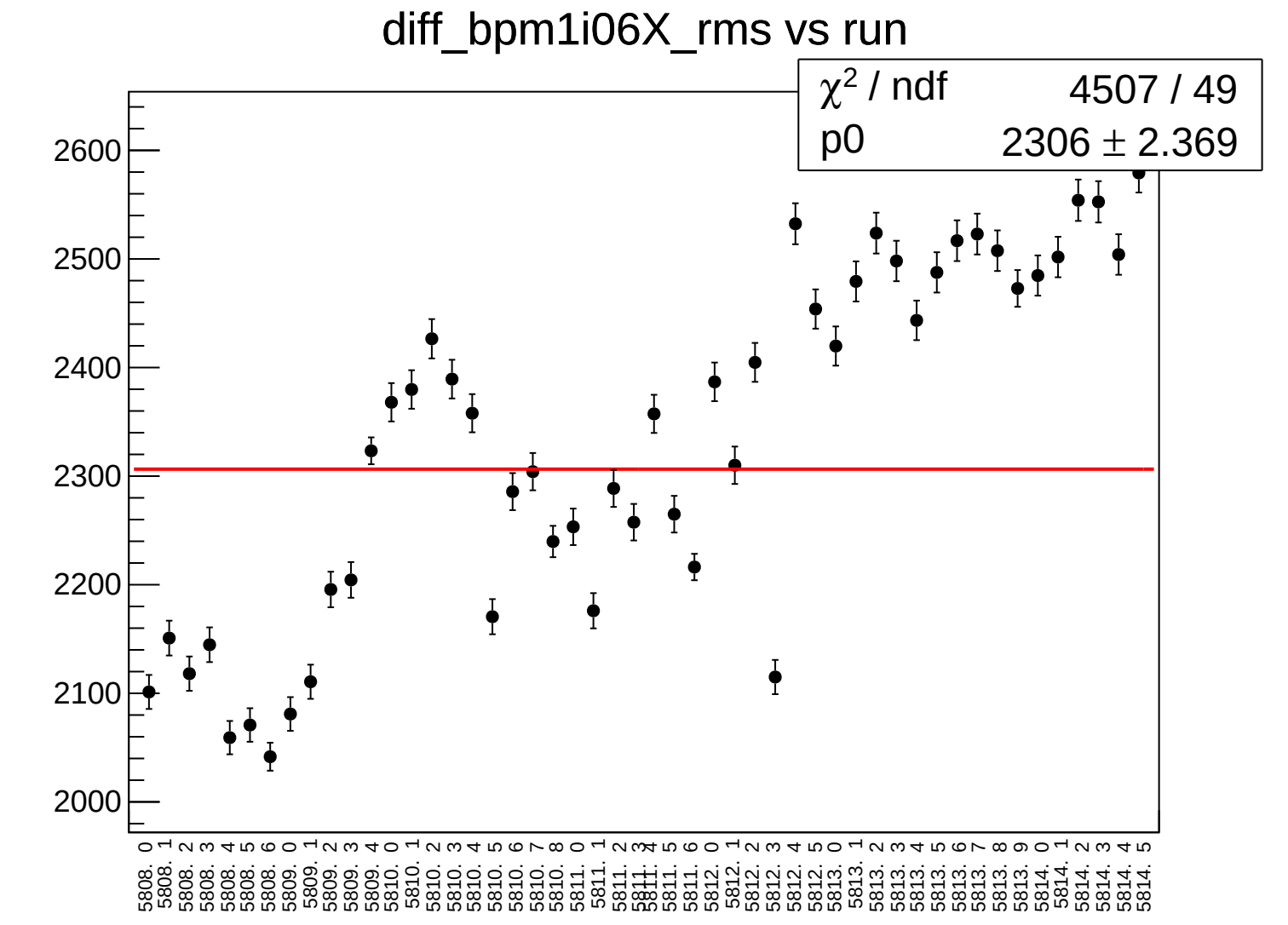

diff_bpm1i04Y_mean vs run
χ² / ndf 46.37 / 49
p0 −19.01 ± 0.9633
pull
Entries 50
Mean 82.17
Std Dev 0

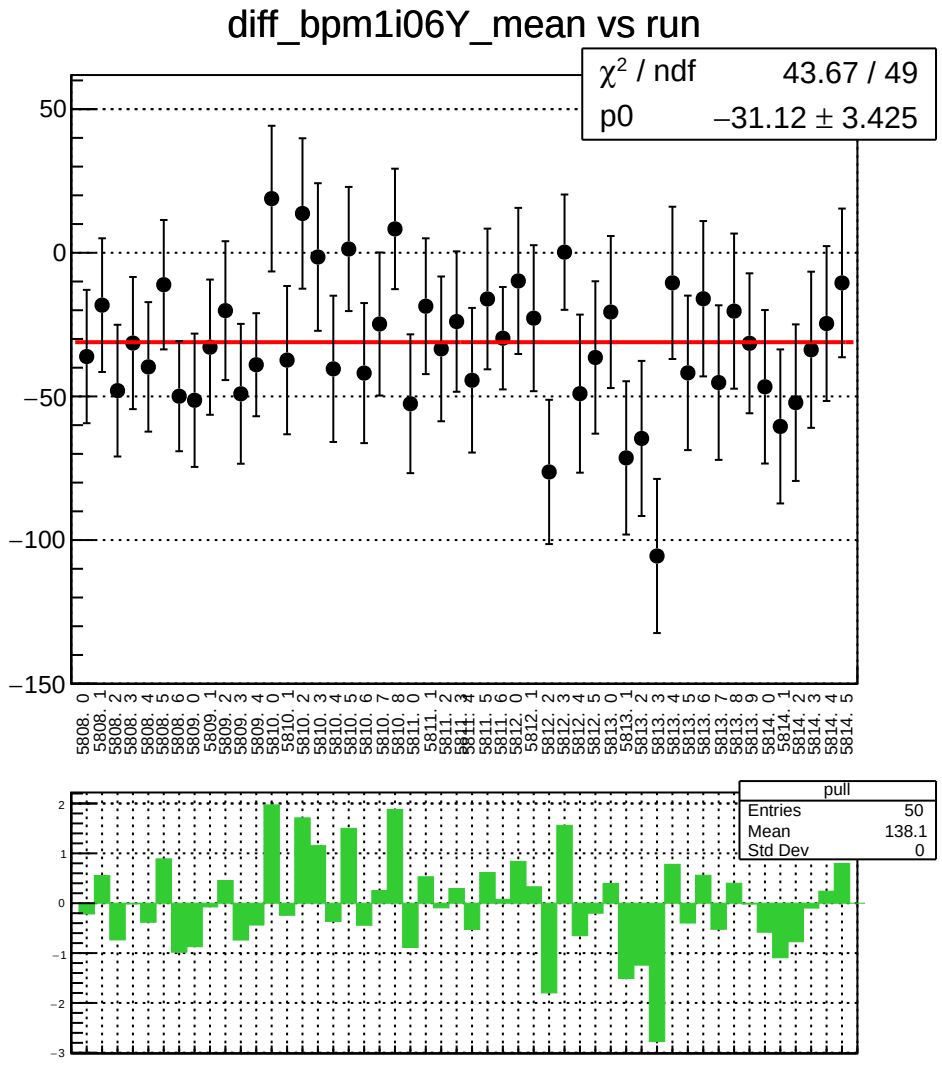

pull1D
Entries 50
Mean −0.008948
Std Dev 0.963

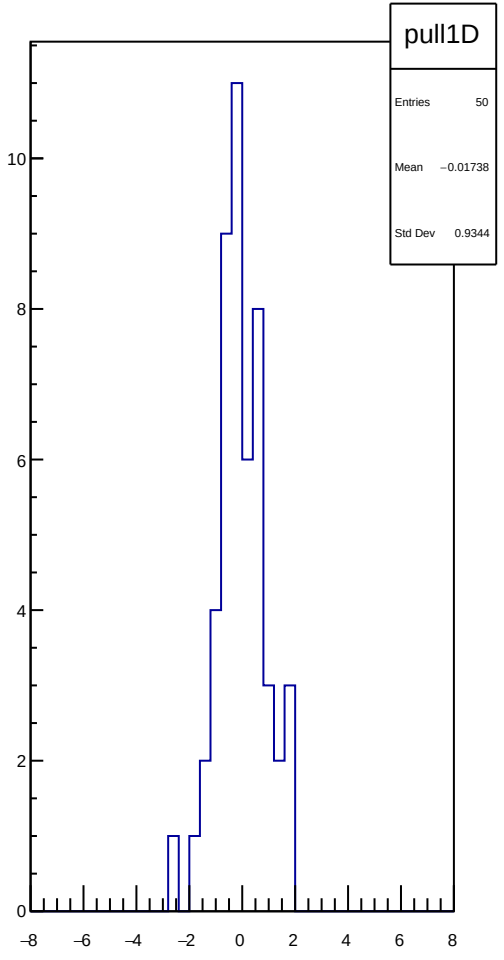

diff_bpm1i04Y_rms vs run
χ² / ndf 591.5 / 49
p0 664.4 ± 0.6811
720
700
680
660
640
620
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

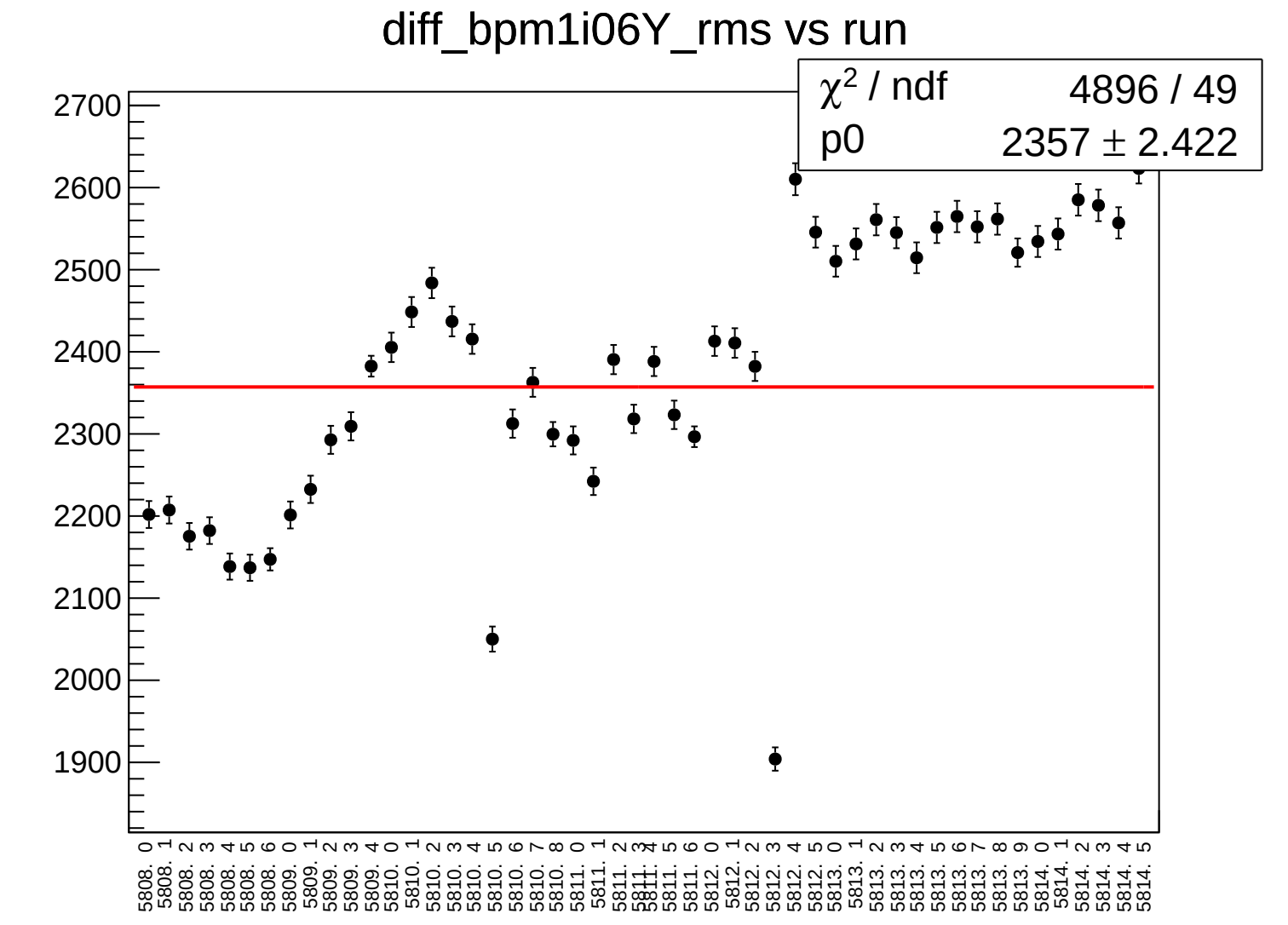

diff_bpm1i06X_mean vs run
χ² / ndf 73.83 / 49
p0 −29.54 ± 3.351
pull
Entries 50
Mean 169.2
Std Dev 0

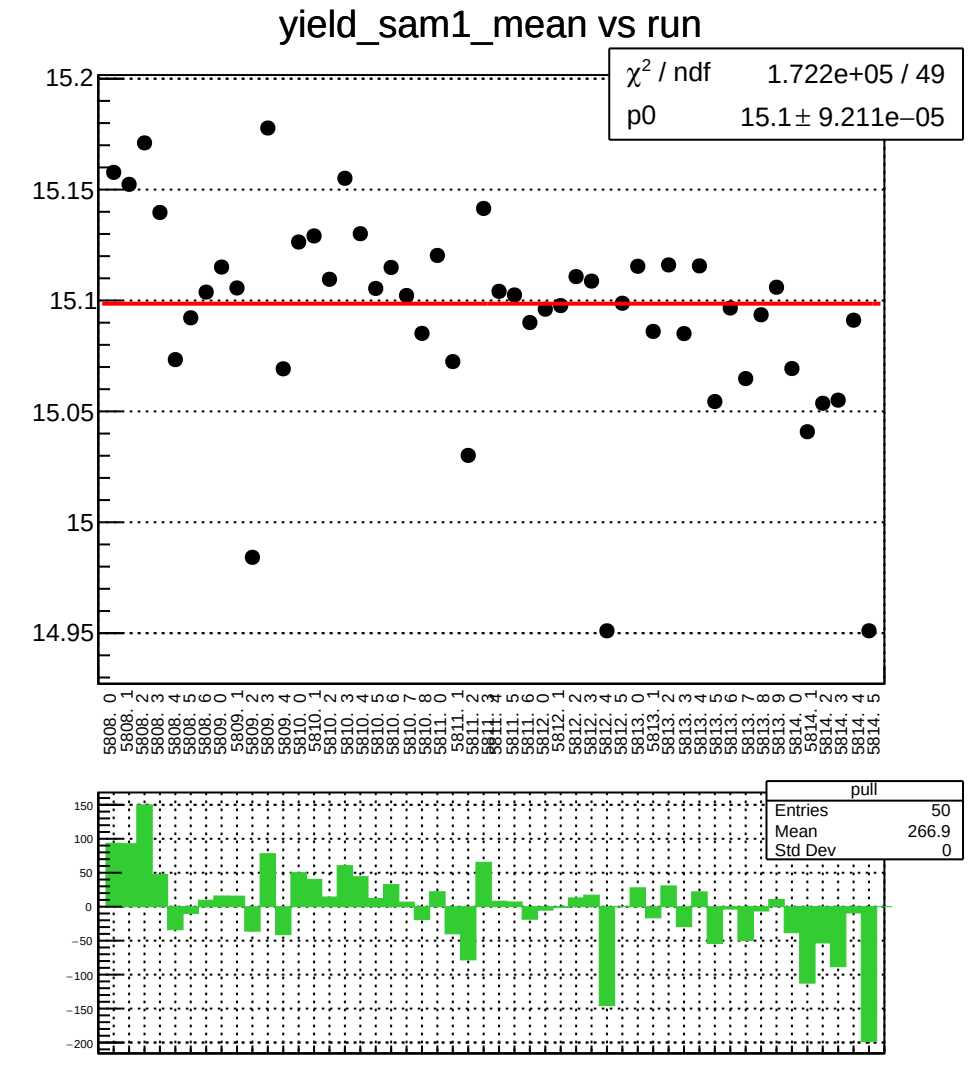

pull1D
Entries 50
Mean −0.06519
Std Dev 1.213

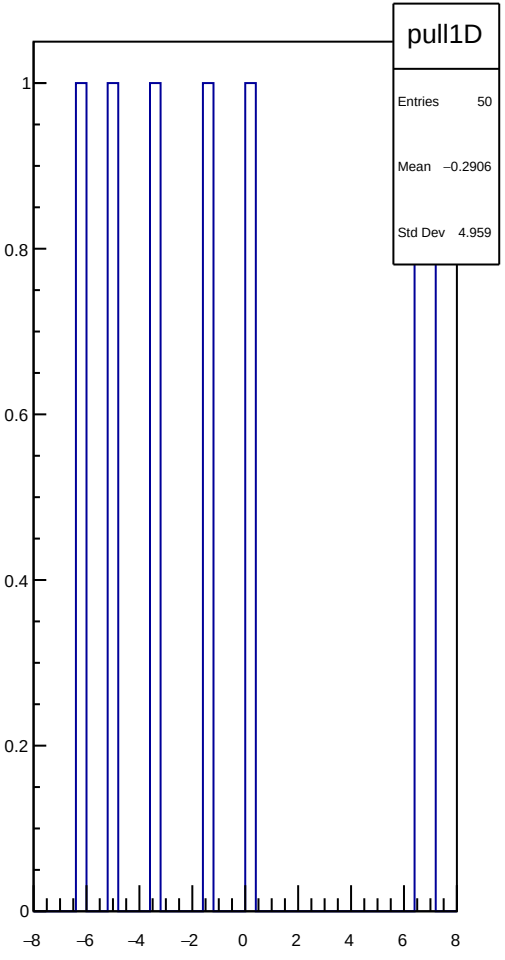

diff_bpm1i06X_rms vs run
χ² / ndf 4507 / 49
p0 2306 ± 2.369
2600
2500
2400
2300
2200
2100
2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

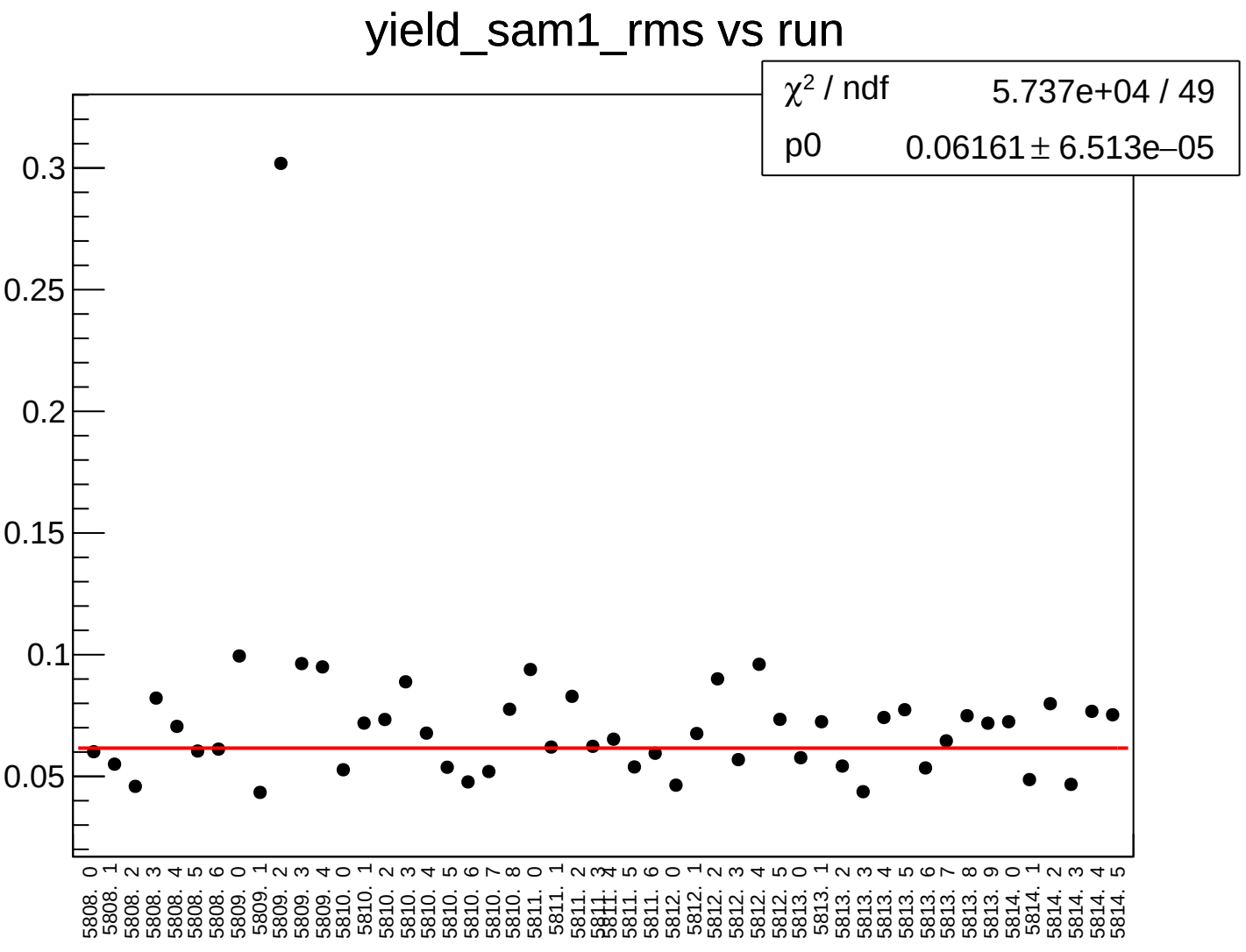

diff_bpm1i06Y_mean vs run
χ² / ndf 43.67 / 49
p0 −31.12 ± 3.425
50
0
−50
−100
−150
pull
Entries 50
Mean 138.1
Std Dev 0
2
1
0
−1
−2
−3

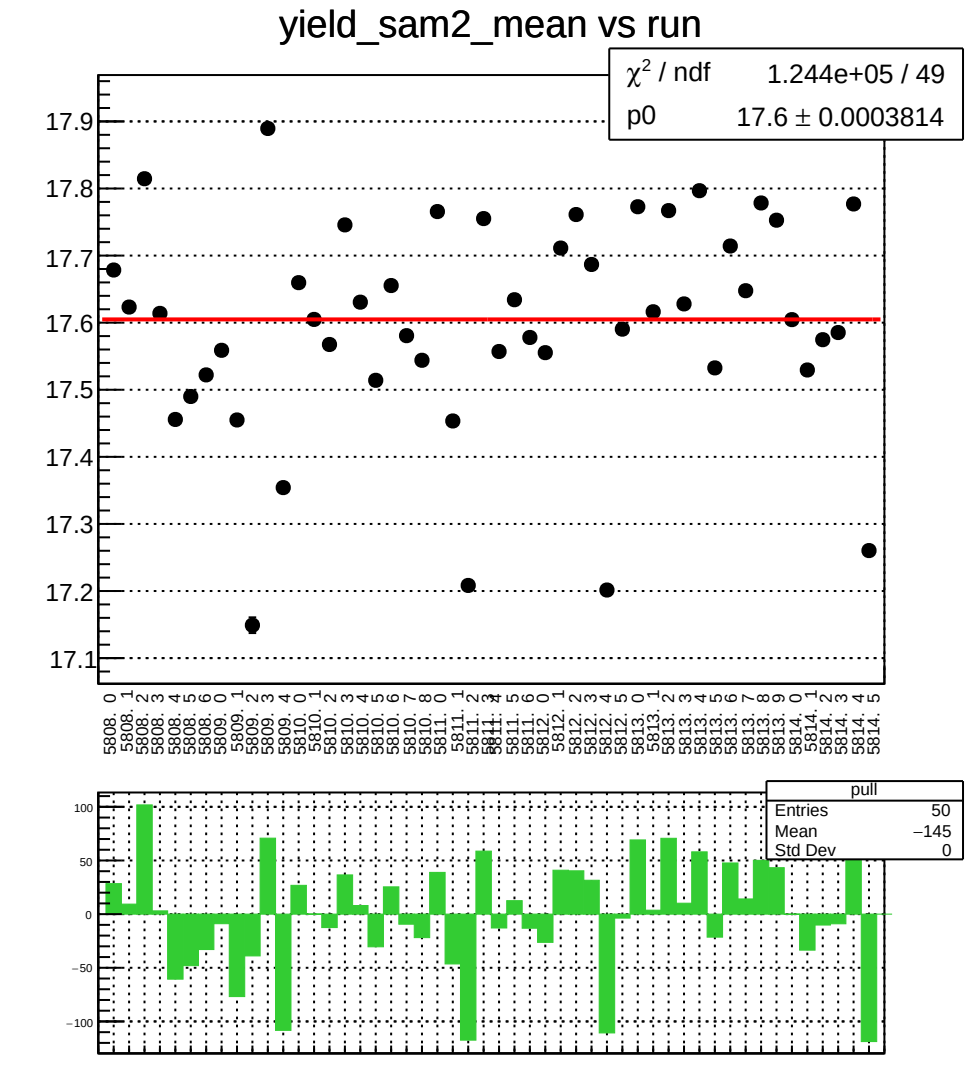

pull1D
Entries 50
Mean −0.01738
Std Dev 0.9344
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

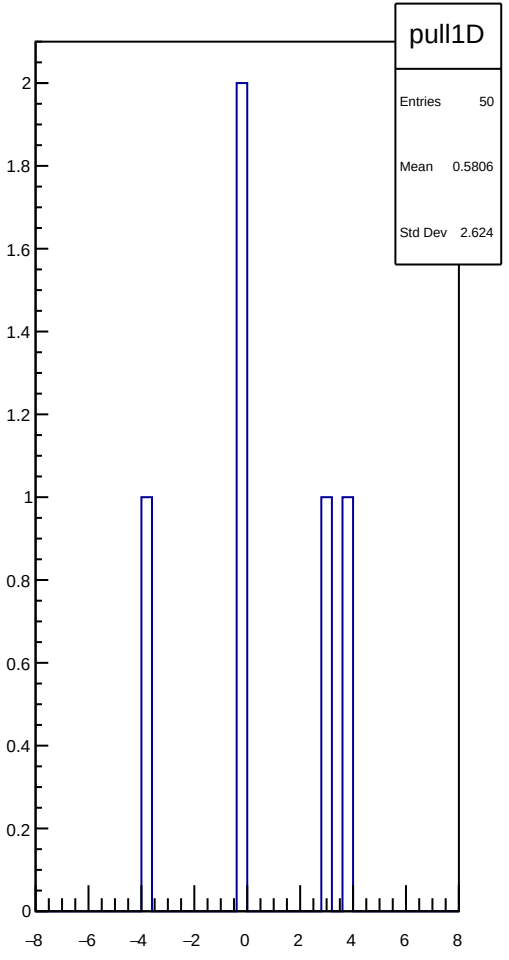

diff_bpm1i06Y_rms vs run
χ² / ndf 4896 / 49
p0 2357 ± 2.422
2700
2600
2500
2400
2300
2200
2100
2000
1900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

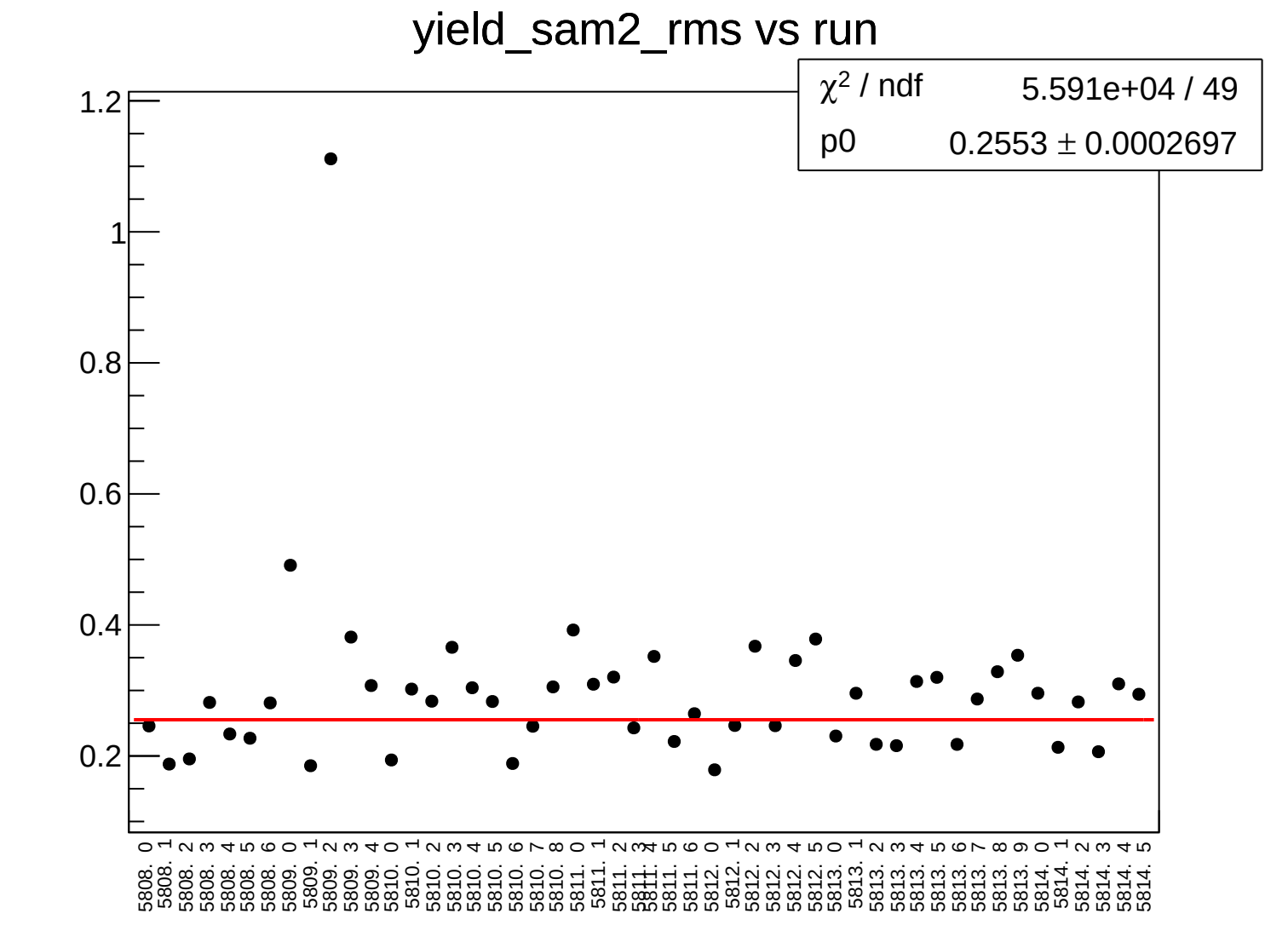

yield_sam1_mean vs run
χ² / ndf 1.722e+05 / 49
p0 15.1 ± 9.211e−05
15.2
15.15
15.1
15.05
15
14.95
pull
Entries 50
Mean 266.9
Std Dev 0
150
100
50
0
−50
−100
−150
−200

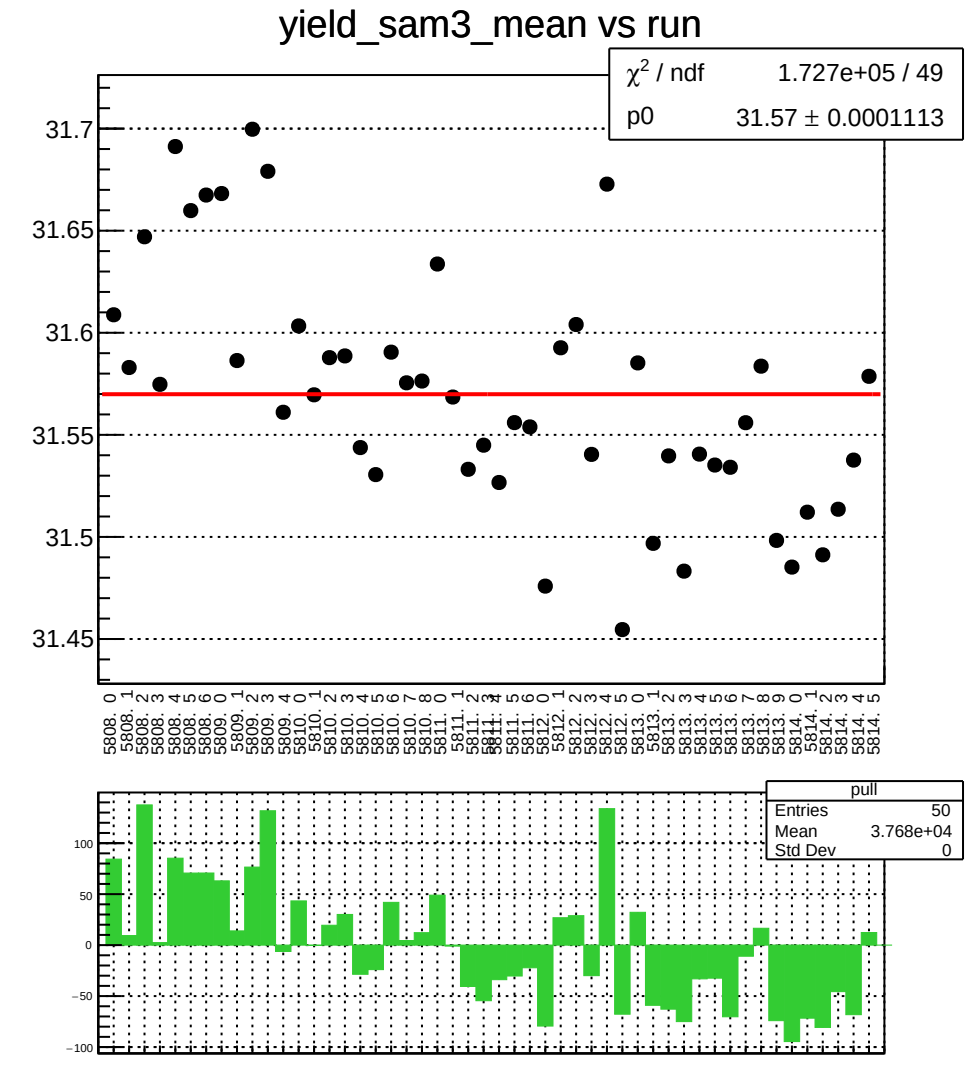

pull1D
Entries 50
Mean −0.2906
Std Dev 4.959
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

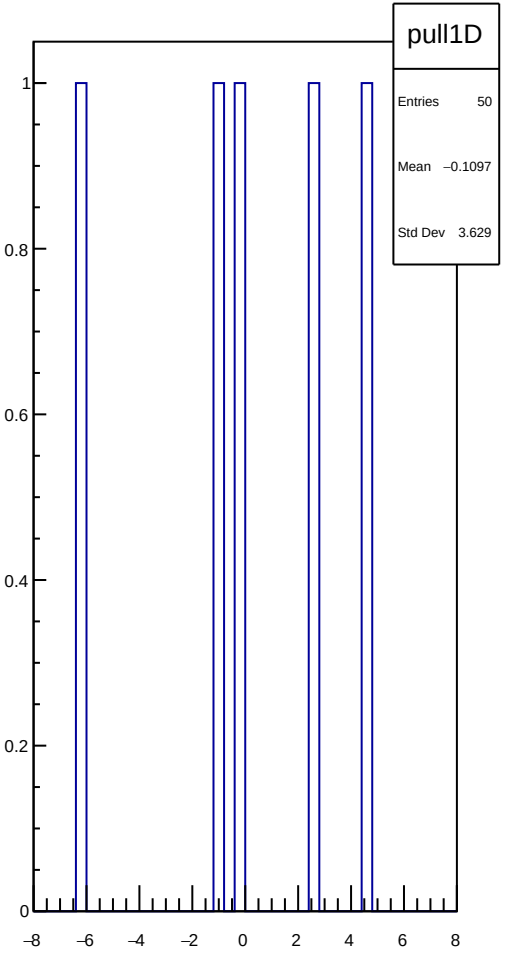

yield_sam1_rms vs run
χ² / ndf 5.737e+04 / 49
p0 0.06161 ± 6.513e–05
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

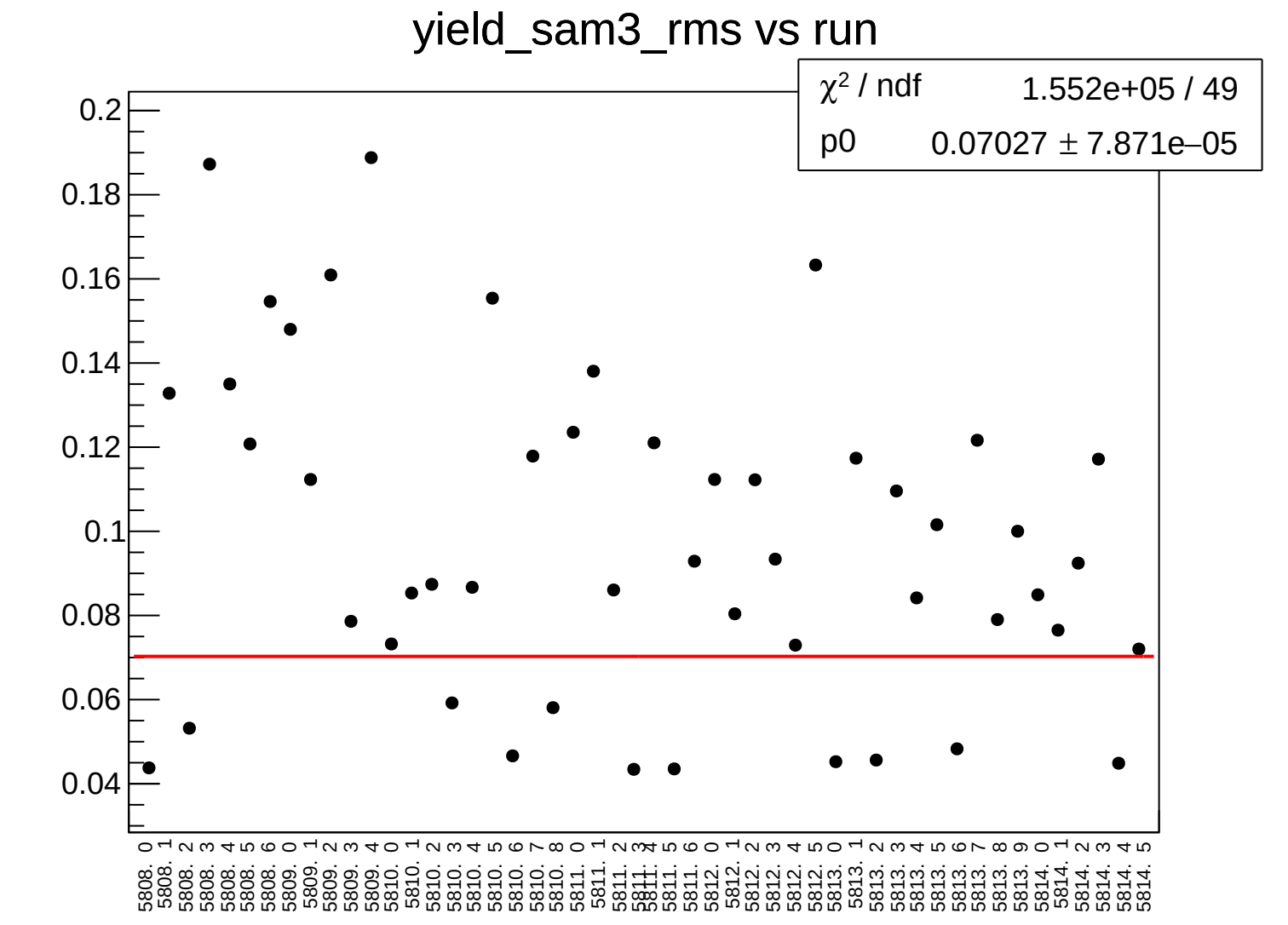

yield_sam2_mean vs run
χ² / ndf 1.244e+05 / 49
p0 17.6 ± 0.0003814
17.9
17.8
17.7
17.6
17.5
17.4
17.3
17.2
17.1
pull
Entries 50
Mean −145
Std Dev 0
100
50
0
−50
−100

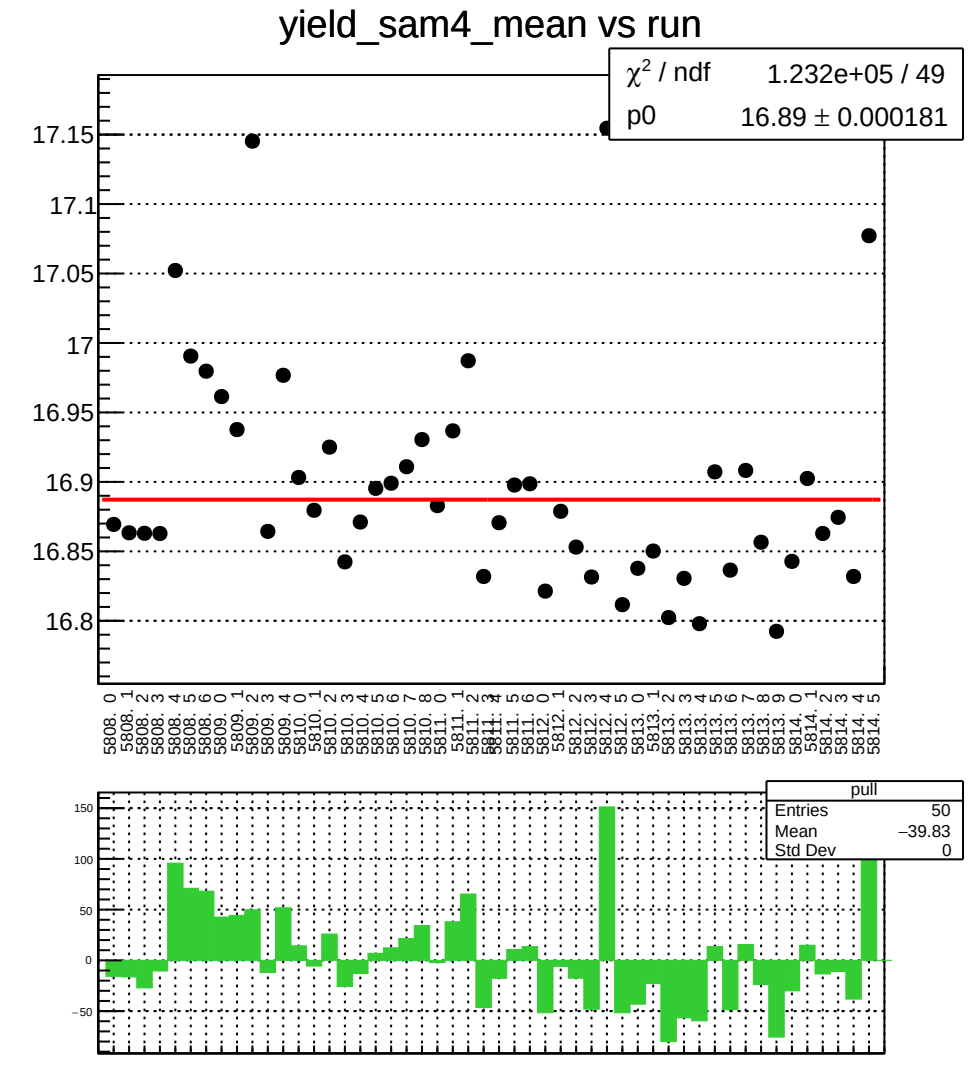

pull1D
Entries 50
Mean 0.5806
Std Dev 2.624
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

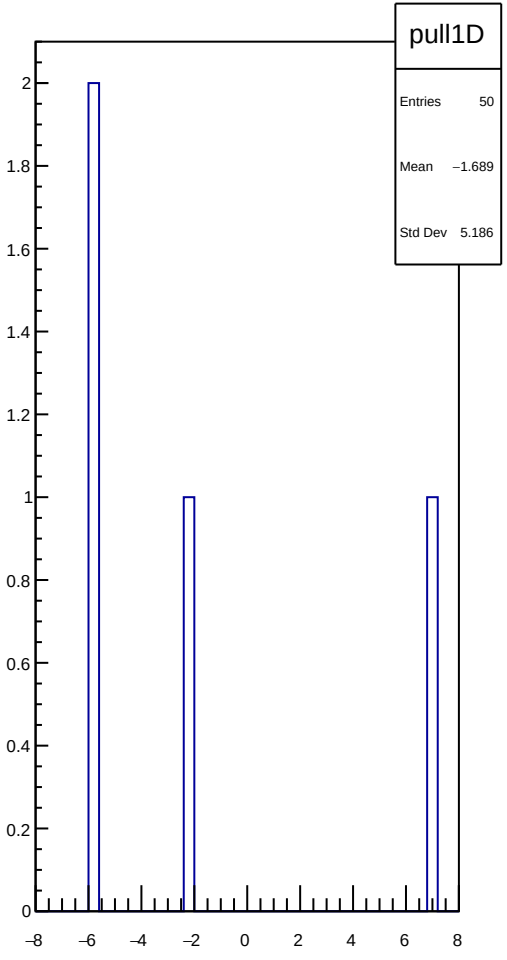

yield_sam2_rms vs run
χ² / ndf 5.591e+04 / 49
p0 0.2553 ± 0.0002697
1.2
1
0.8
0.6
0.4
0.2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

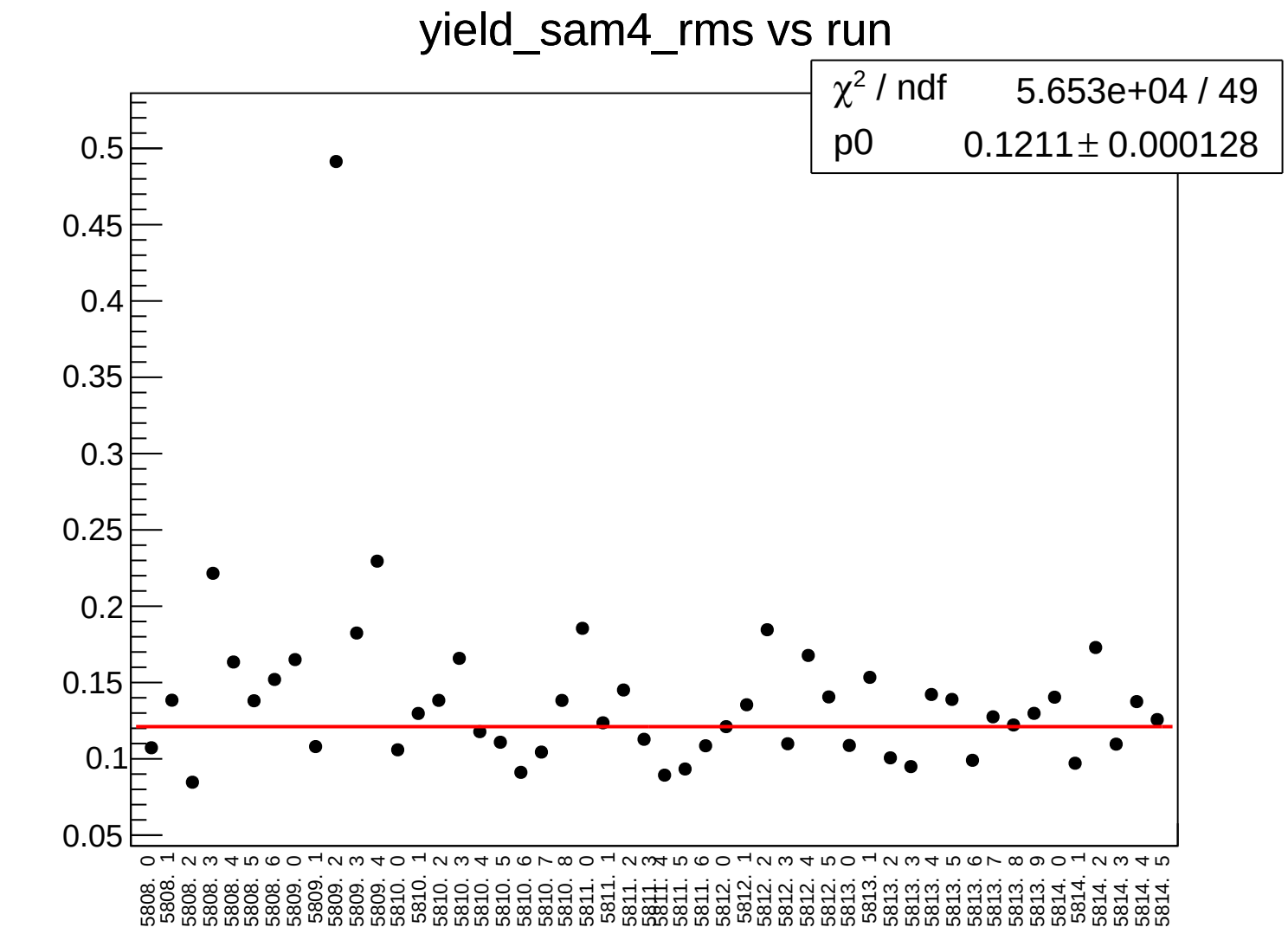

yield_sam3_mean vs run
χ² / ndf 1.727e+05 / 49
p0 31.57 ± 0.0001113
31.7
31.65
31.6
31.55
31.5
31.45
pull
Entries 50
Mean 3.768e+04
Std Dev 0
100
50
0
−50
−100

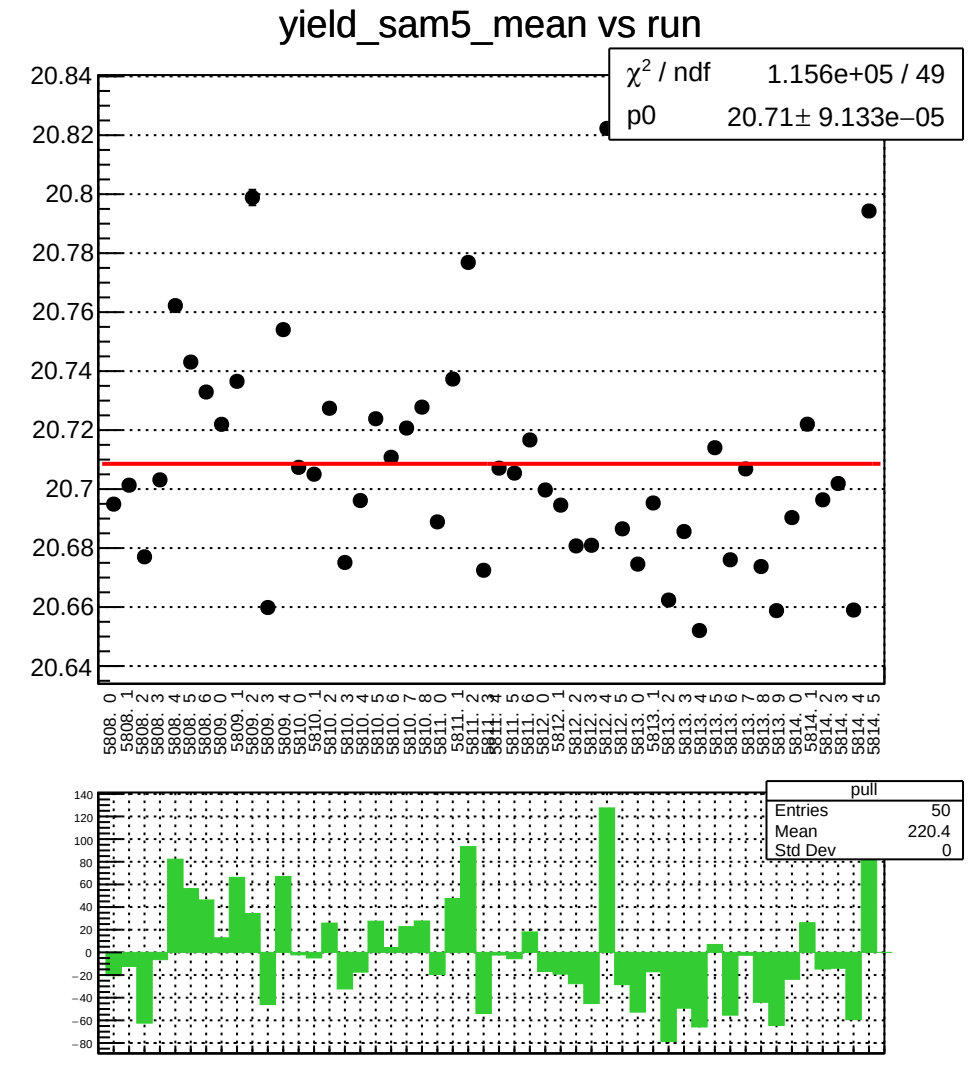

pull1D
Entries 50
Mean −0.1097
Std Dev 3.629
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

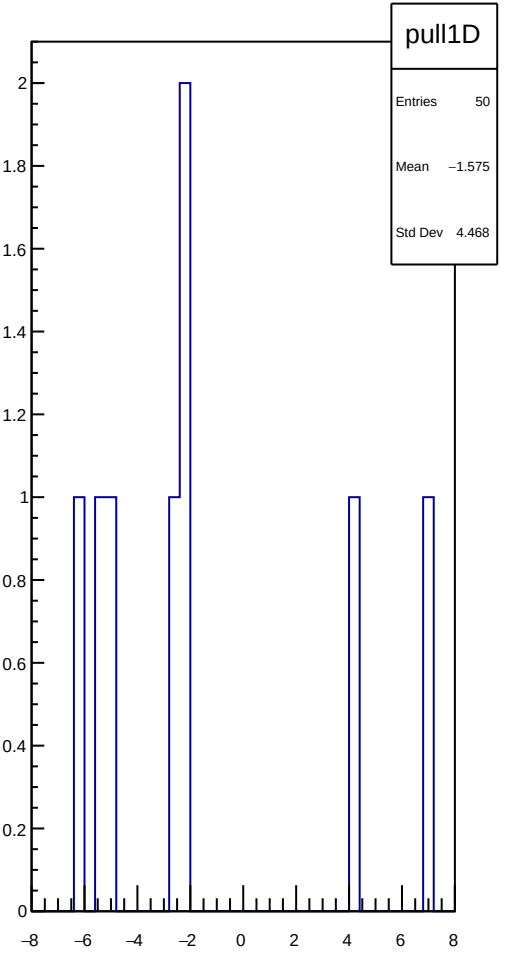

yield_sam3_rms vs run
χ² / ndf 1.552e+05 / 49
p0 0.07027 ± 7.871e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

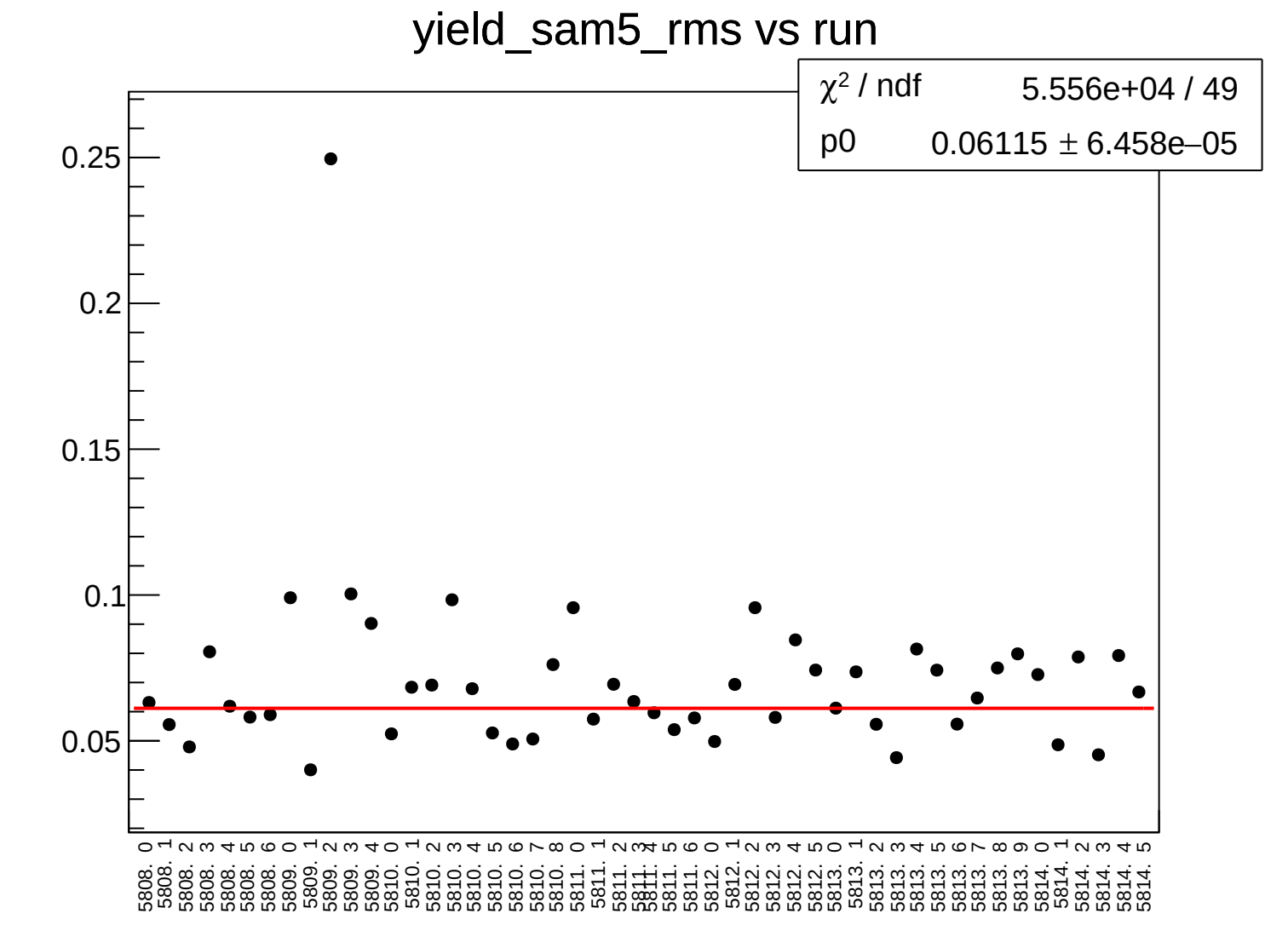

yield_sam4_mean vs run
χ² / ndf 1.232e+05 / 49
p0 16.89 ± 0.000181
17.15
17.1
17.05
17
16.95
16.9
16.85
16.8
pull
Entries 50
Mean −39.83
Std Dev 0
150
100
50
0
−50

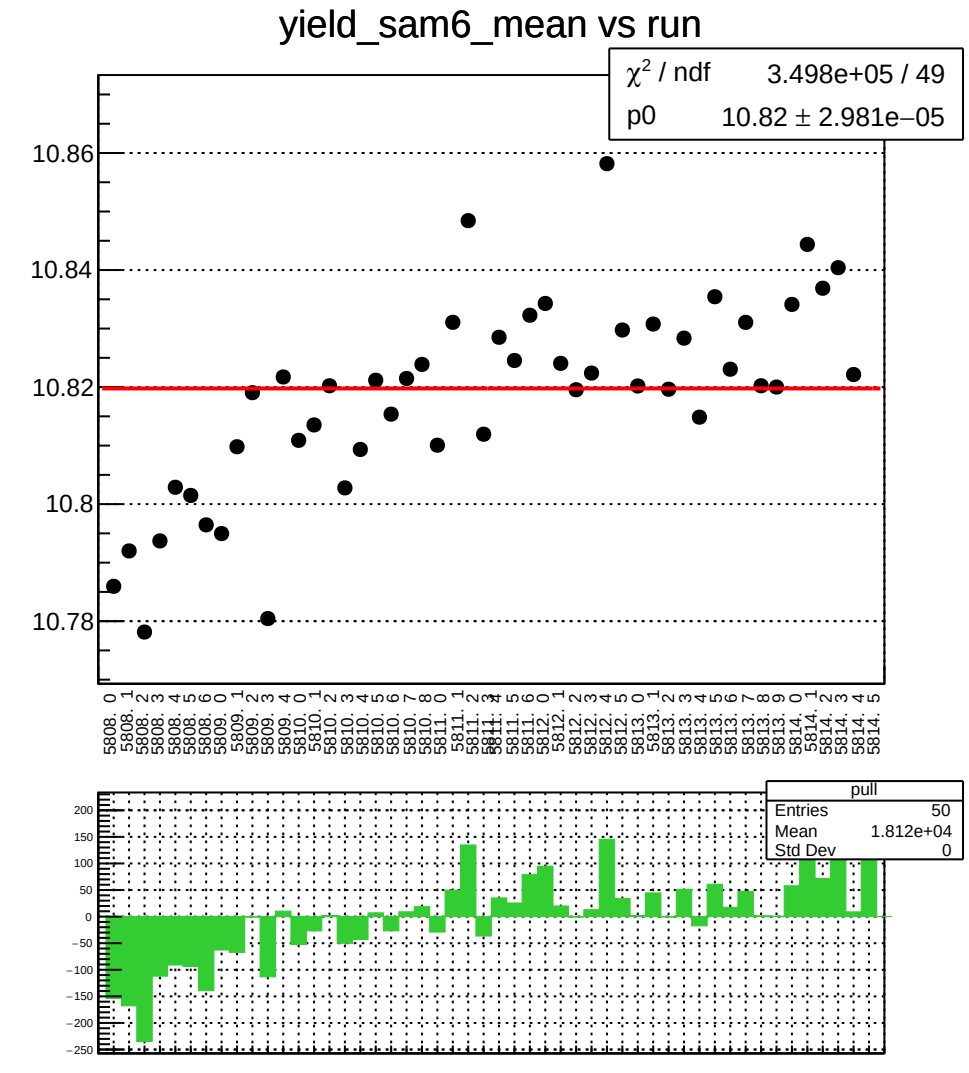

pull1D
Entries 50
Mean −1.689
Std Dev 5.186
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

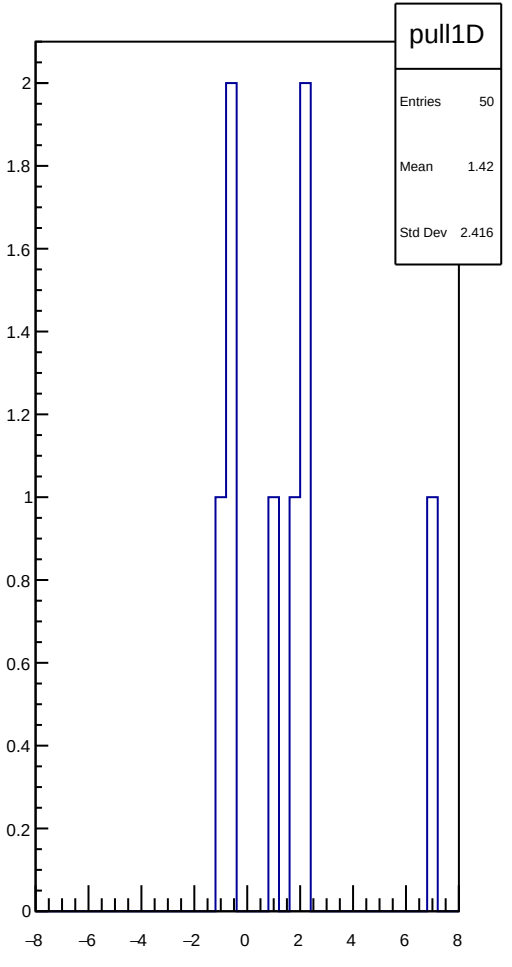

yield_sam4_rms vs run
χ^2 / ndf 5.653e+04 / 49
p0 0.1211 ± 0.000128
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

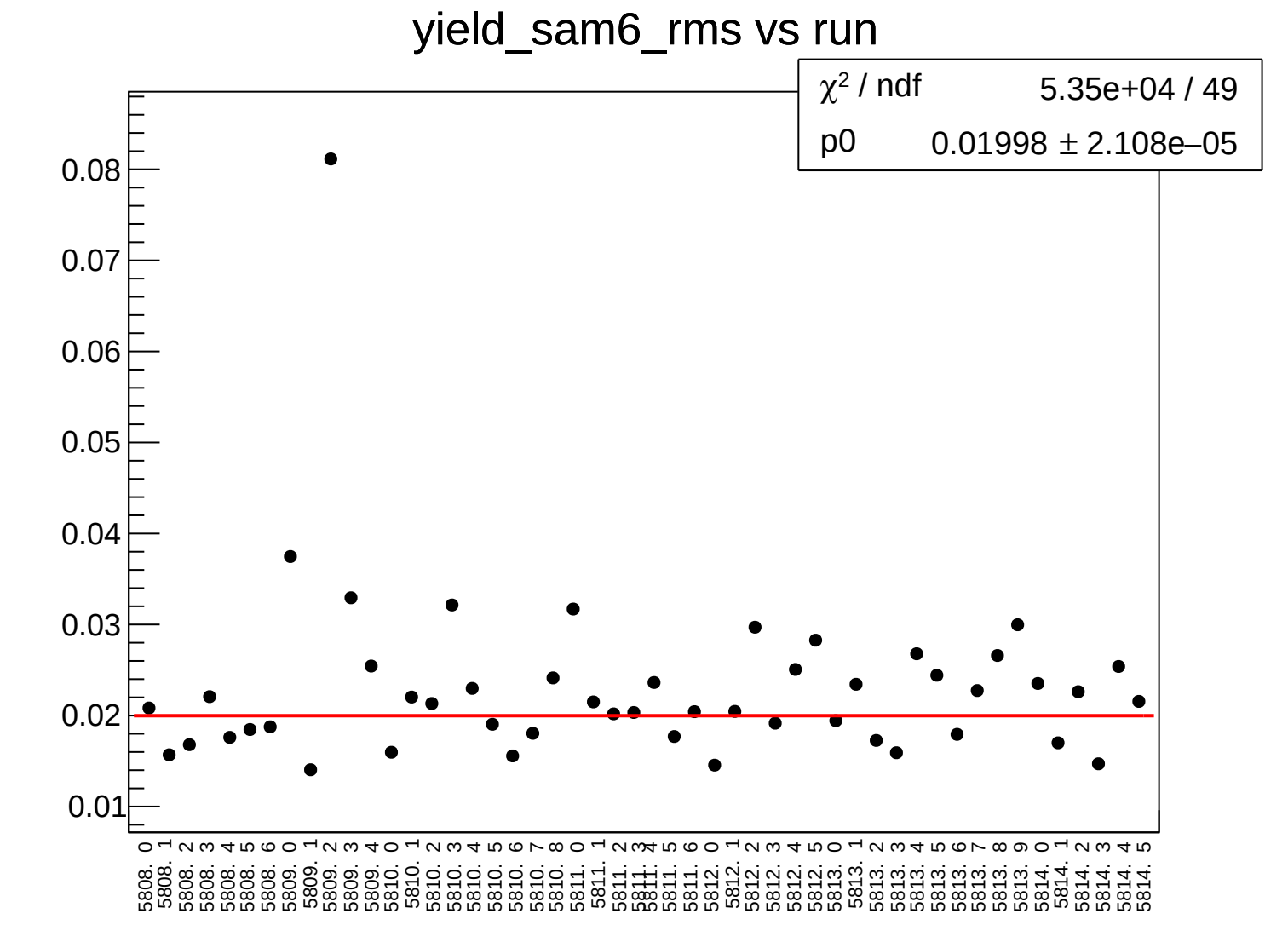

yield_sam5_mean vs run
χ² / ndf 1.156e+05 / 49
p0 20.71± 9.133e−05
20.84
20.82
20.8
20.78
20.76
20.74
20.72
20.7
20.68
20.66
20.64
pull
Entries 50
Mean 220.4
Std Dev 0
140
120
100
80
60
40
20
0
−20
−40
−60
−80

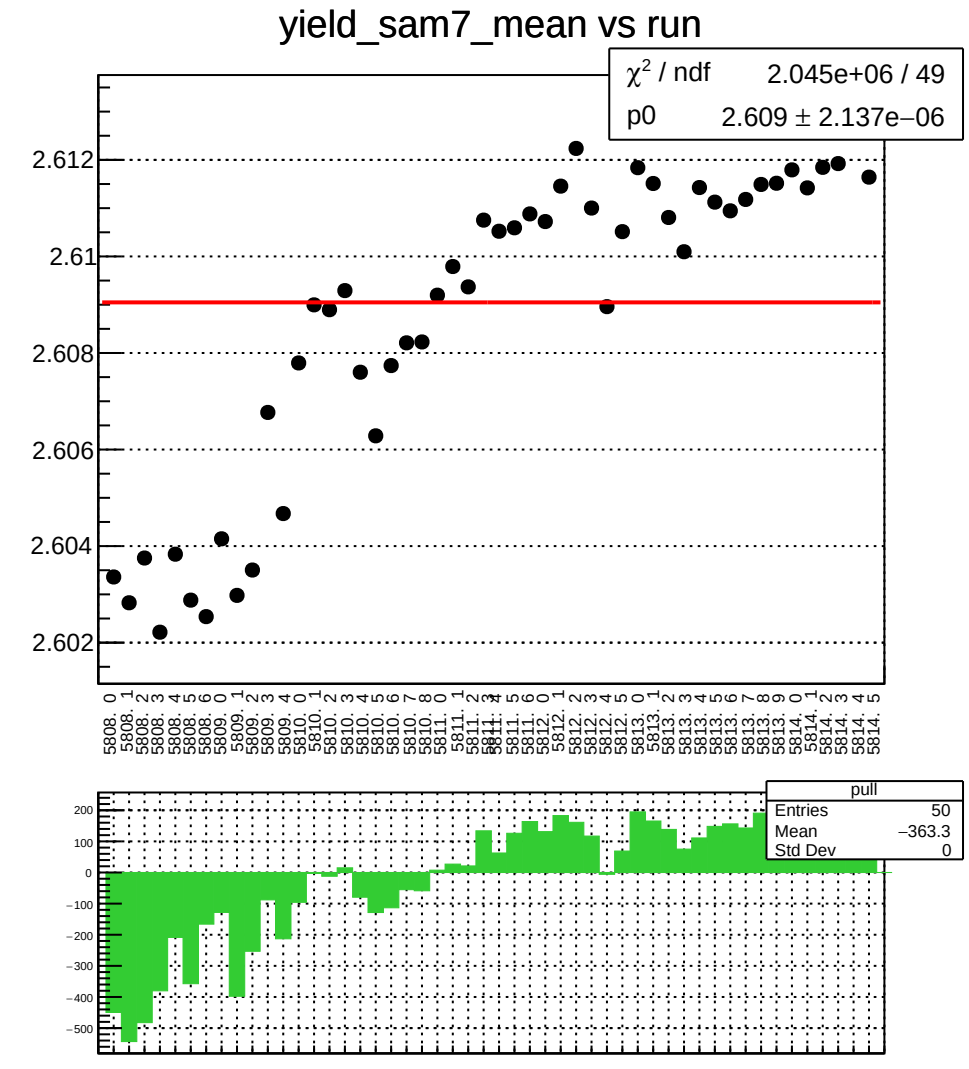

pull1D
Entries 50
Mean −1.575
Std Dev 4.468
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

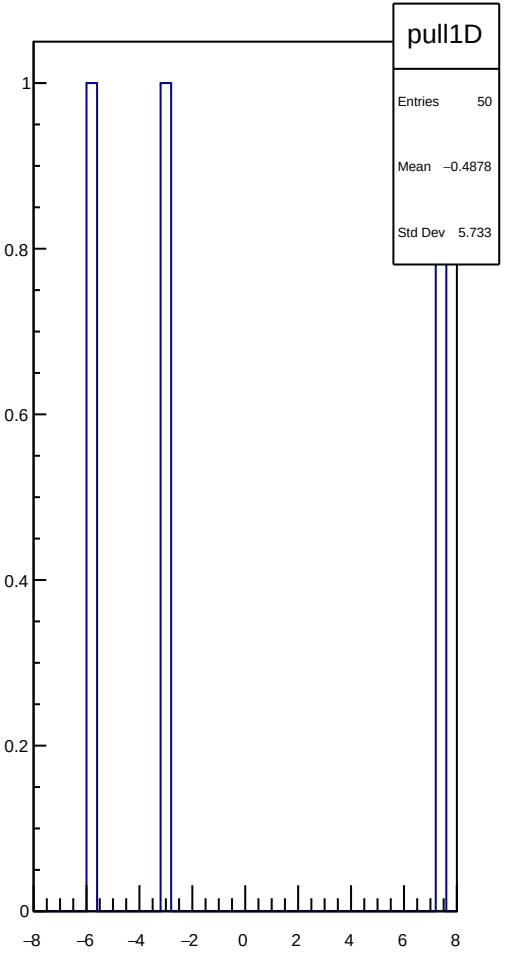

yield_sam5_rms vs run
χ² / ndf 5.556e+04 / 49
p0 0.06115 ± 6.458e–05
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

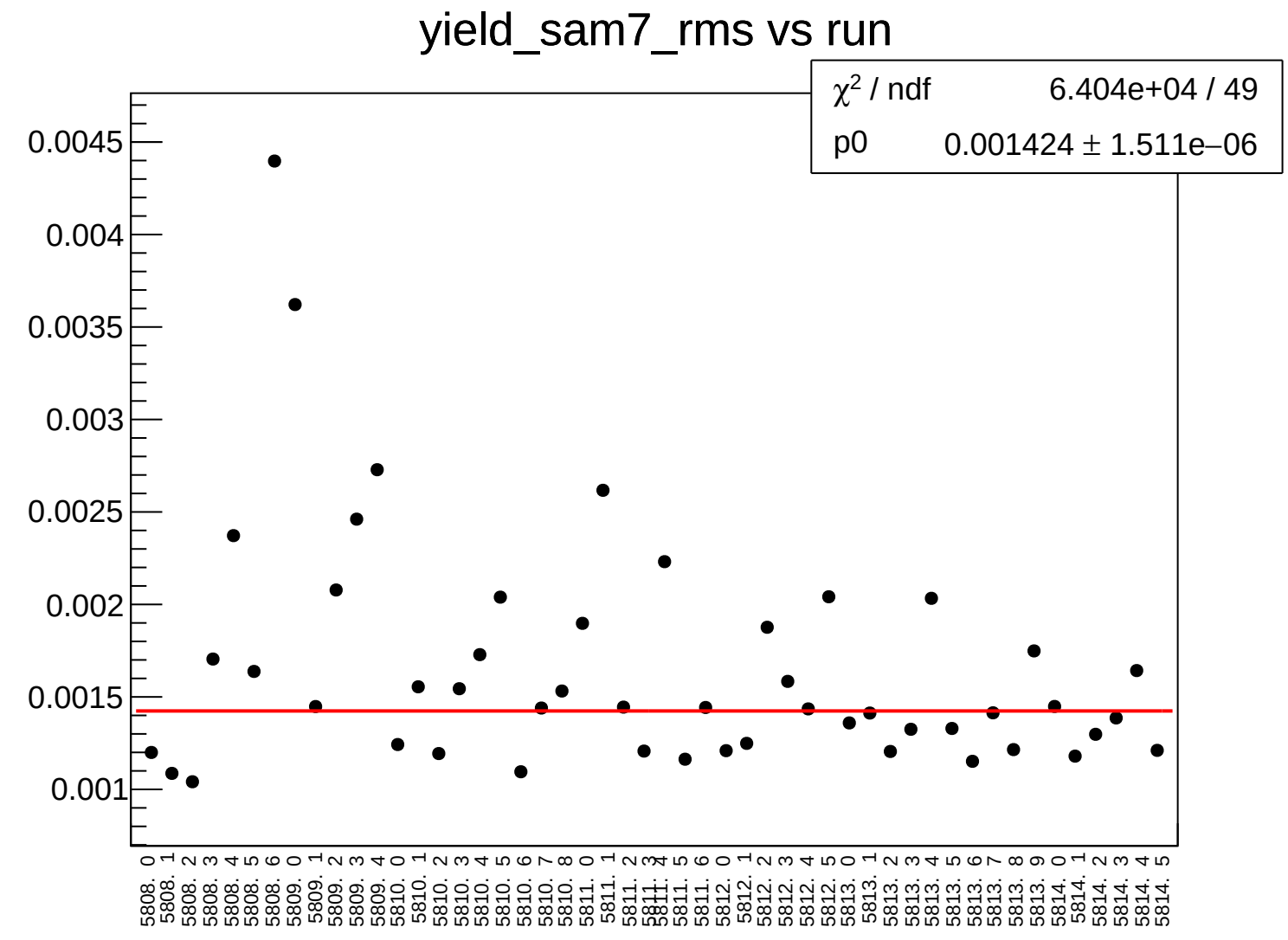

yield_sam6_mean vs run
χ² / ndf 3.498e+05 / 49
p0 10.82 ± 2.981e−05
10.86
10.84
10.82
10.8
10.78
pull
Entries 50
Mean 1.812e+04
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
−250

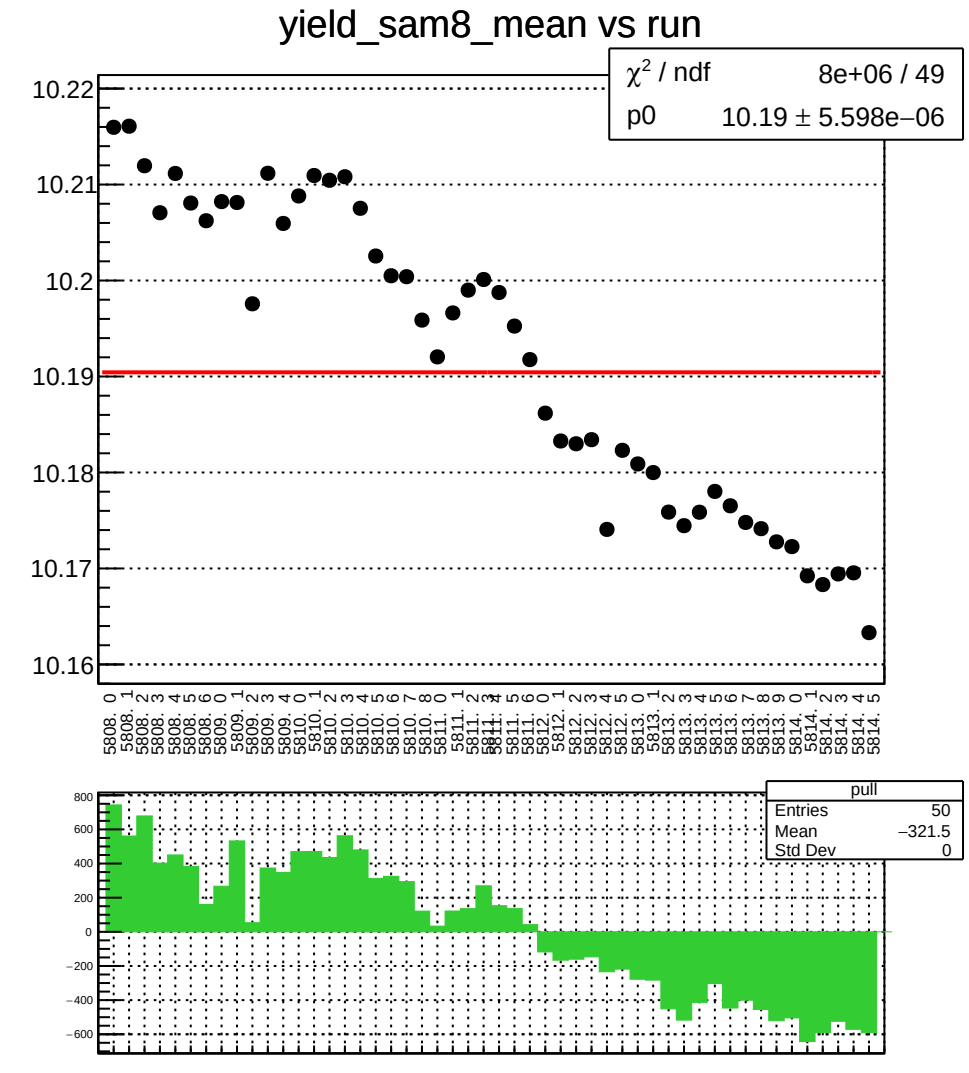

pull1D
Entries 50
Mean 1.42
Std Dev 2.416
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

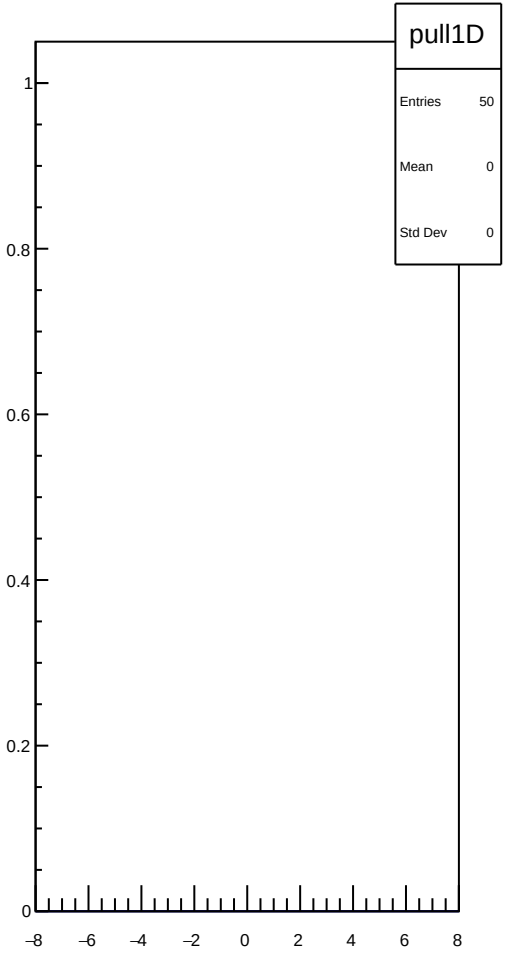

yield_sam6_rms vs run
χ² / ndf 5.35e+04 / 49
p0 0.01998 ± 2.108e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

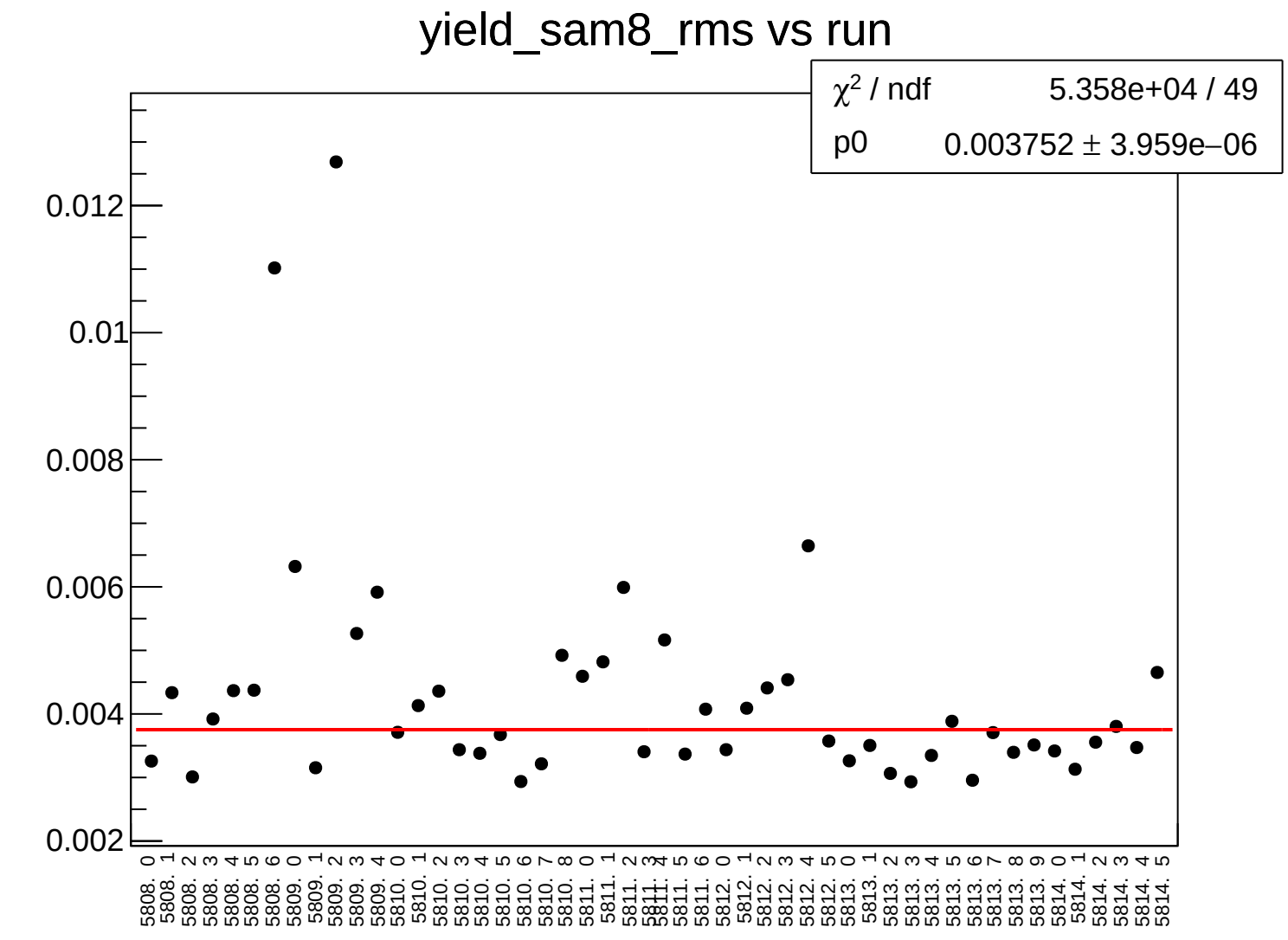

yield_sam7_mean vs run
χ² / ndf 2.045e+06 / 49
p0 2.609 ± 2.137e−06
2.612
2.61
2.608
2.606
2.604
2.602
pull
Entries 50
Mean −363.3
Std Dev 0
200
100
0
−100
−200
−300
−400
−500

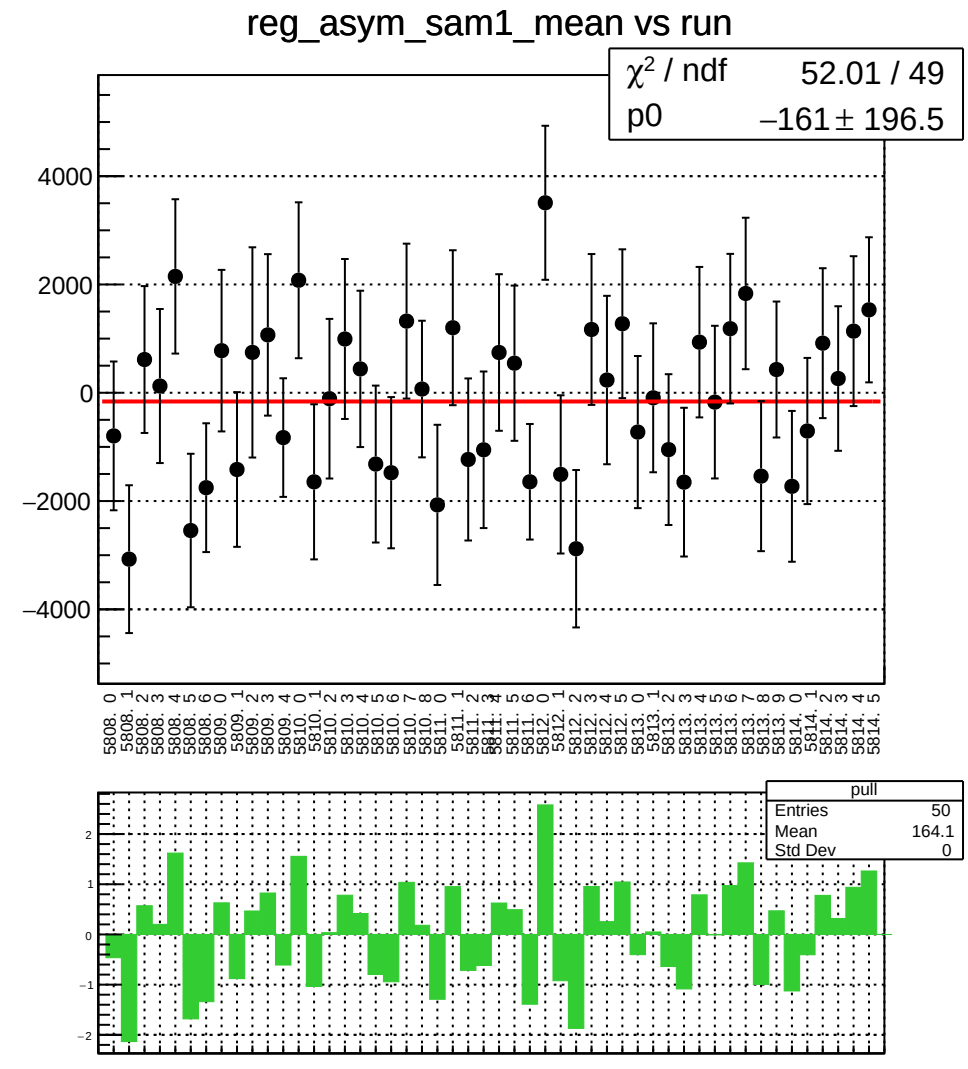

pull1D
Entries 50
Mean −0.4878
Std Dev 5.733
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

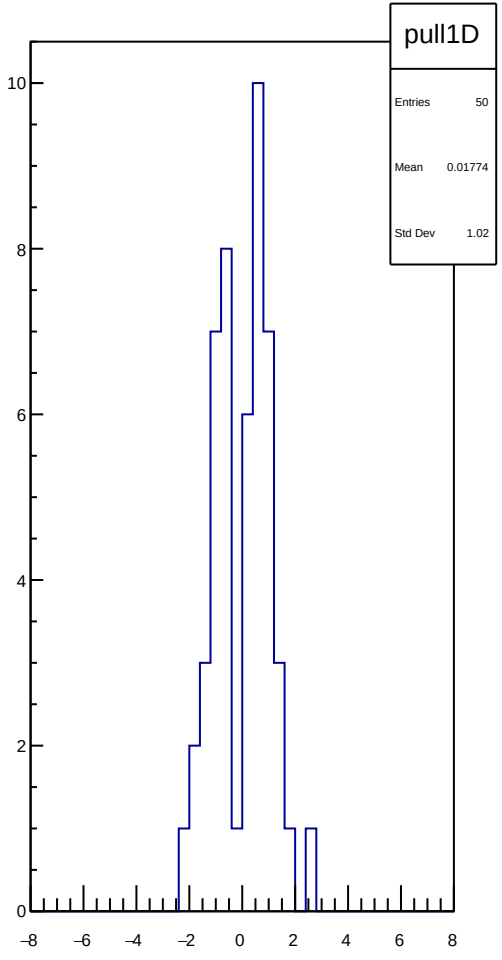

yield_sam7_rms vs run
χ² / ndf 6.404e+04 / 49
p0 0.001424 ± 1.511e−06
0.0045
0.004
0.0035
0.003
0.0025
0.002
0.0015
0.001
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

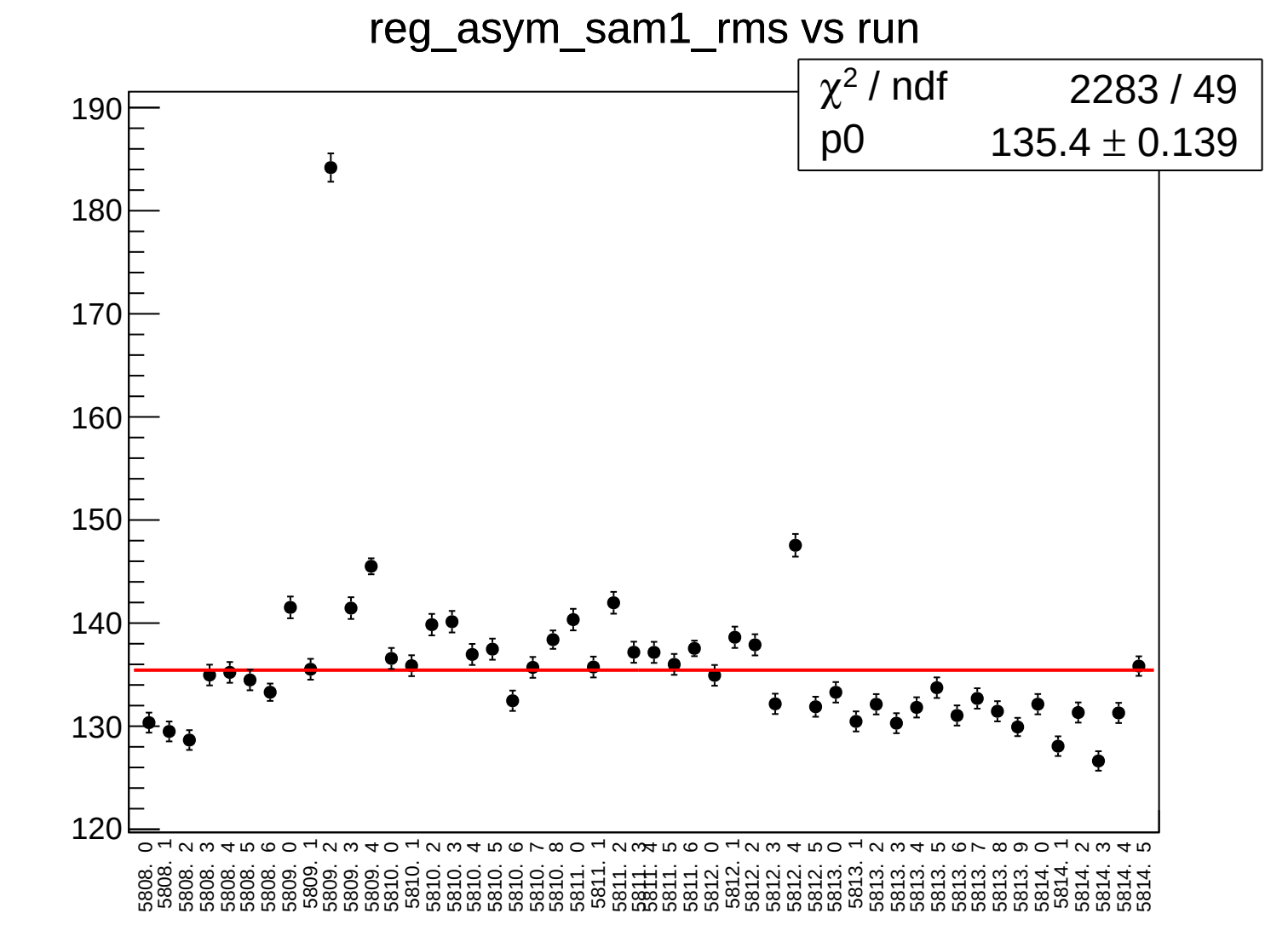

yield_sam8_mean vs run
χ² / ndf 8e+06 / 49
p0 10.19 ± 5.598e−06
10.22
10.21
10.2
10.19
10.18
10.17
10.16
pull
Entries 50
Mean −321.5
Std Dev 0
800
600
400
200
0
−200
−400
−600

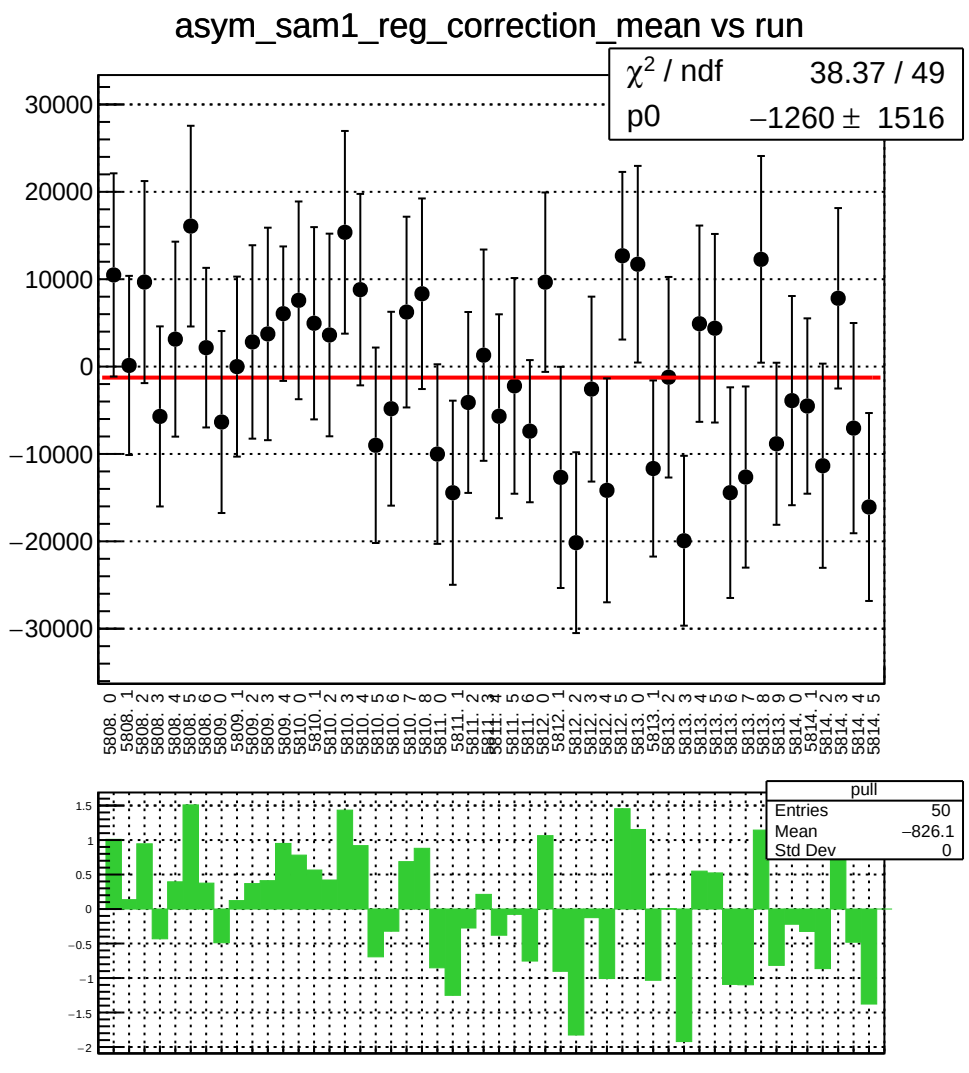

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

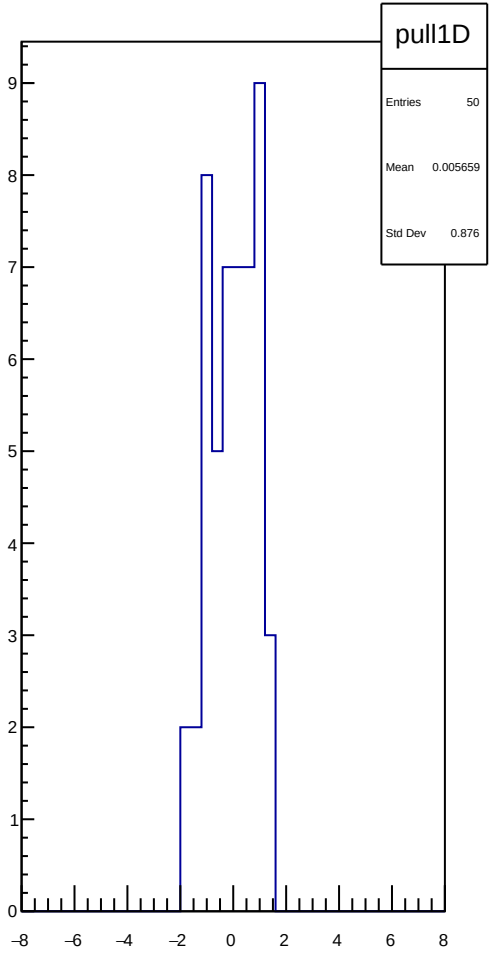

yield_sam8_rms vs run
χ² / ndf 5.358e+04 / 49
p0 0.003752 ± 3.959e−06
0.012
0.01
0.008
0.006
0.004
0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

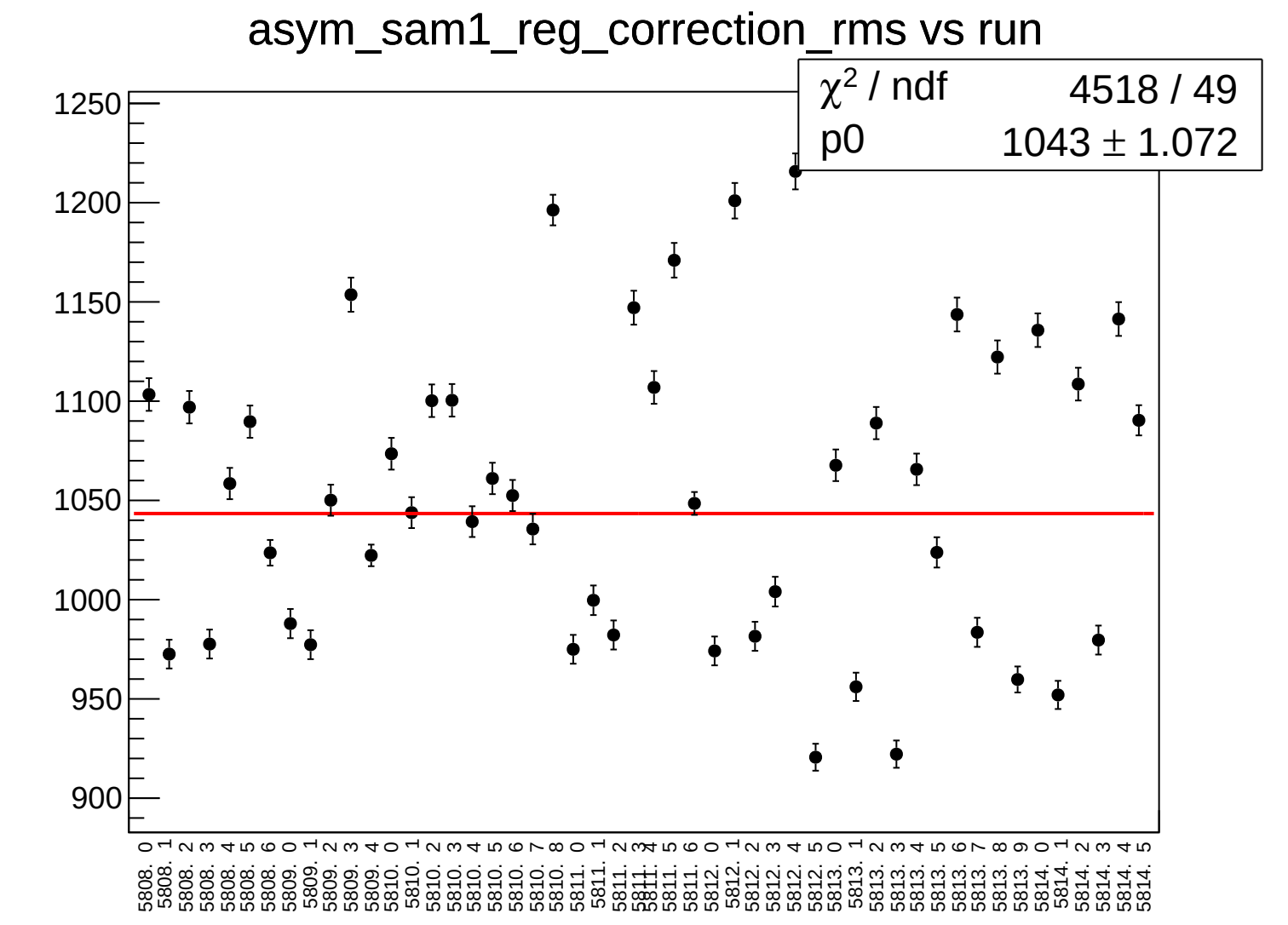

reg_asym_sam1_mean vs run
χ² / ndf 52.01 / 49
p0 −161 ± 196.5
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 164.1
Std Dev 0
2
1
0
−1
−2

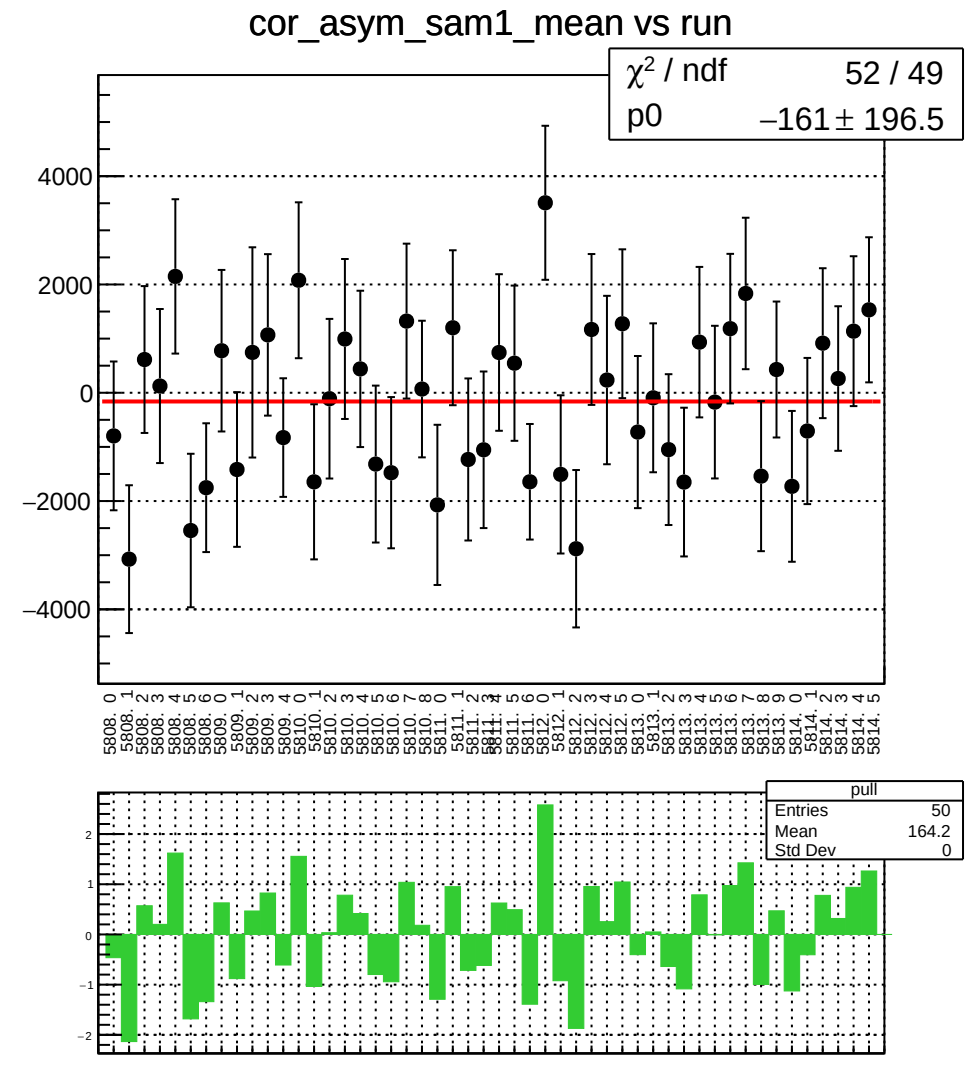

pull1D
Entries 50
Mean 0.01774
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

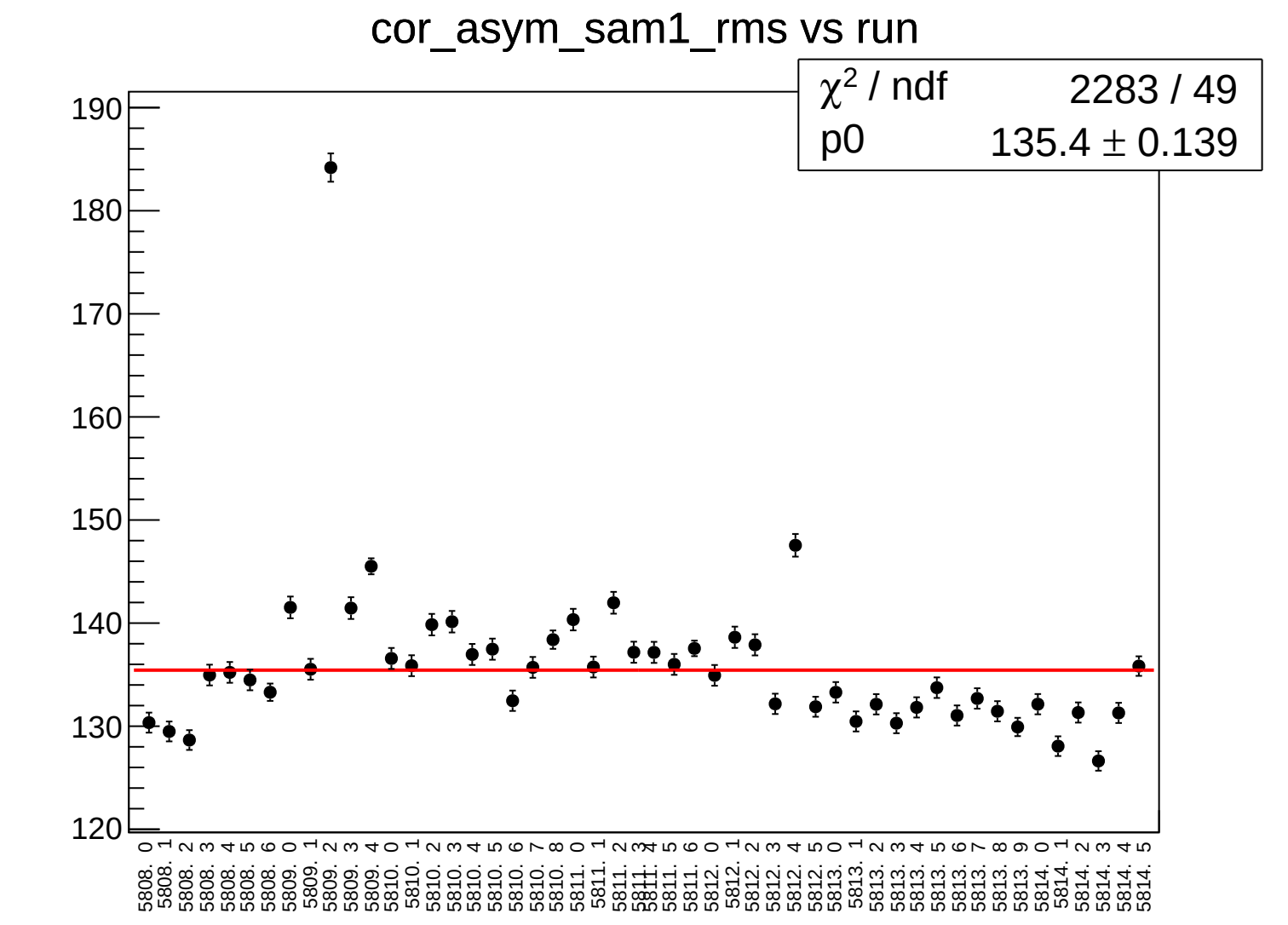

reg_asym_sam1_rms vs run
χ² / ndf 2283 / 49
p0 135.4 ± 0.139
190
180
170
160
150
140
130
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam1_reg_correction_mean vs run
χ² / ndf 38.37 / 49
p0 −1260 ± 1516
pull
Entries 50
Mean −826.1
Std Dev 0


pull1D
Entries 50
Mean 0.005659
Std Dev 0.876


asym_sam1_reg_correction_rms vs run
χ² / ndf 4518 / 49
p0 1043 ± 1.072
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam1_mean vs run
χ² / ndf 52 / 49
p0 −161 ± 196.5
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 164.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01774
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam1_rms vs run
χ^2 / ndf 2283 / 49
p0 135.4 ± 0.139
190
180
170
160
150
140
130
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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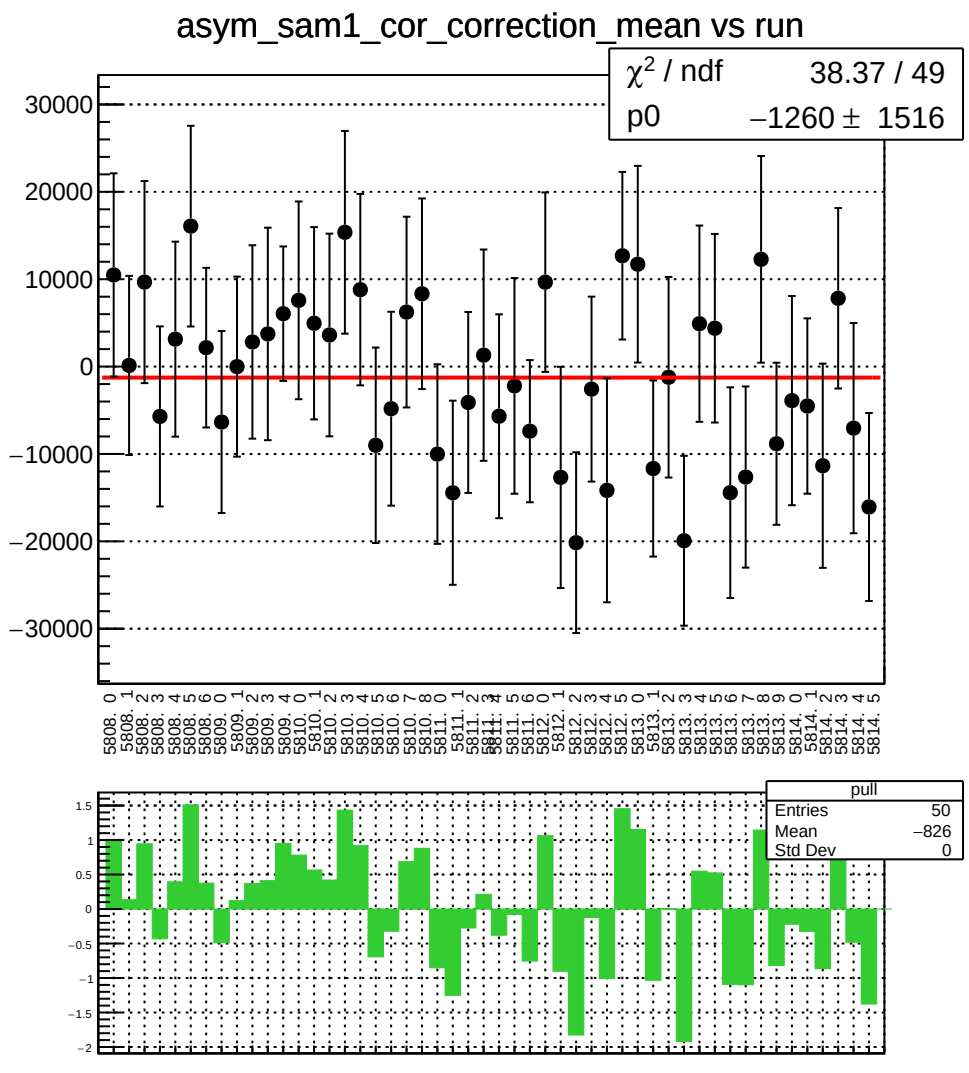
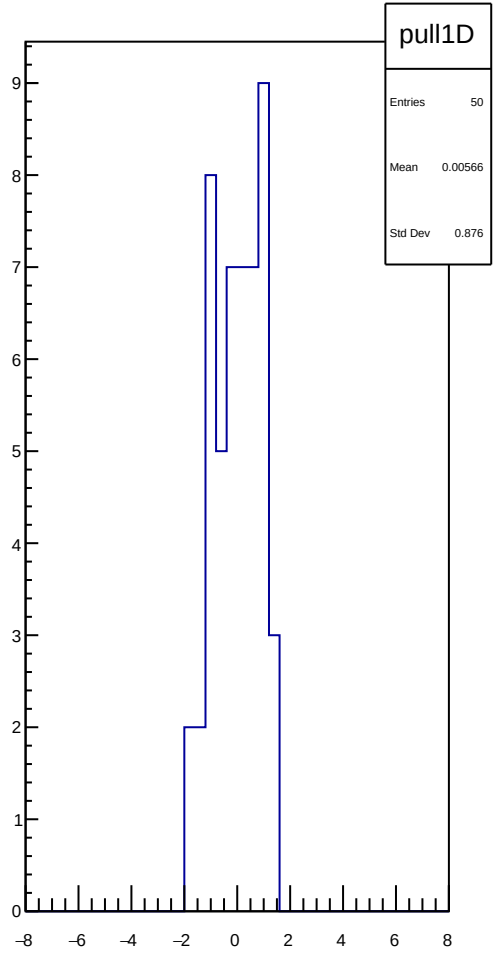
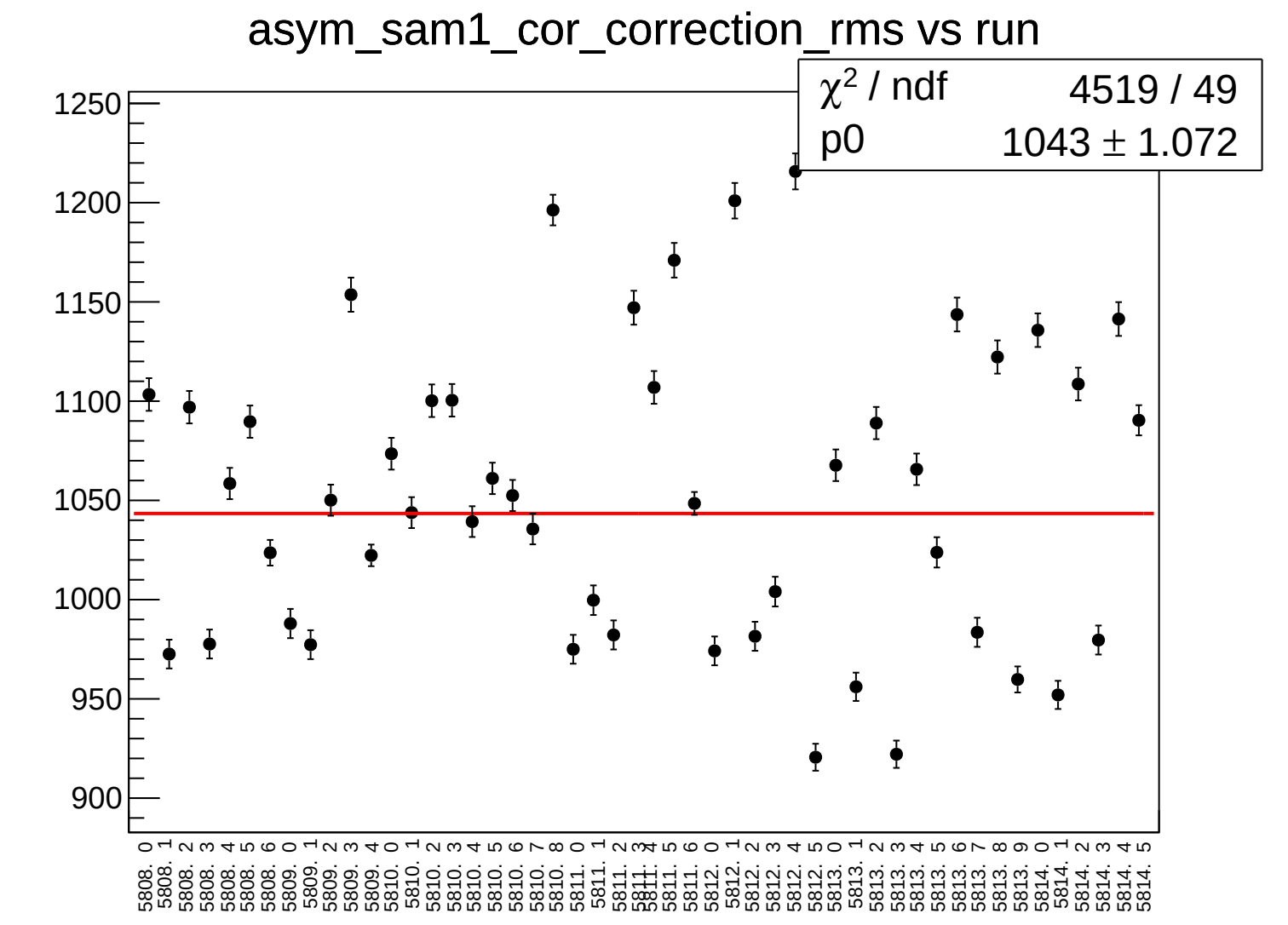
5814. 4
5814. 5


asym_sam1_cor_correction_mean vs run
χ² / ndf 38.37 / 49
p0 −1260 ± 1516
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −826
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.00566
Std Dev 0.876
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_cor_correction_rms vs run
χ² / ndf 4519 / 49
p0 1043 ± 1.072
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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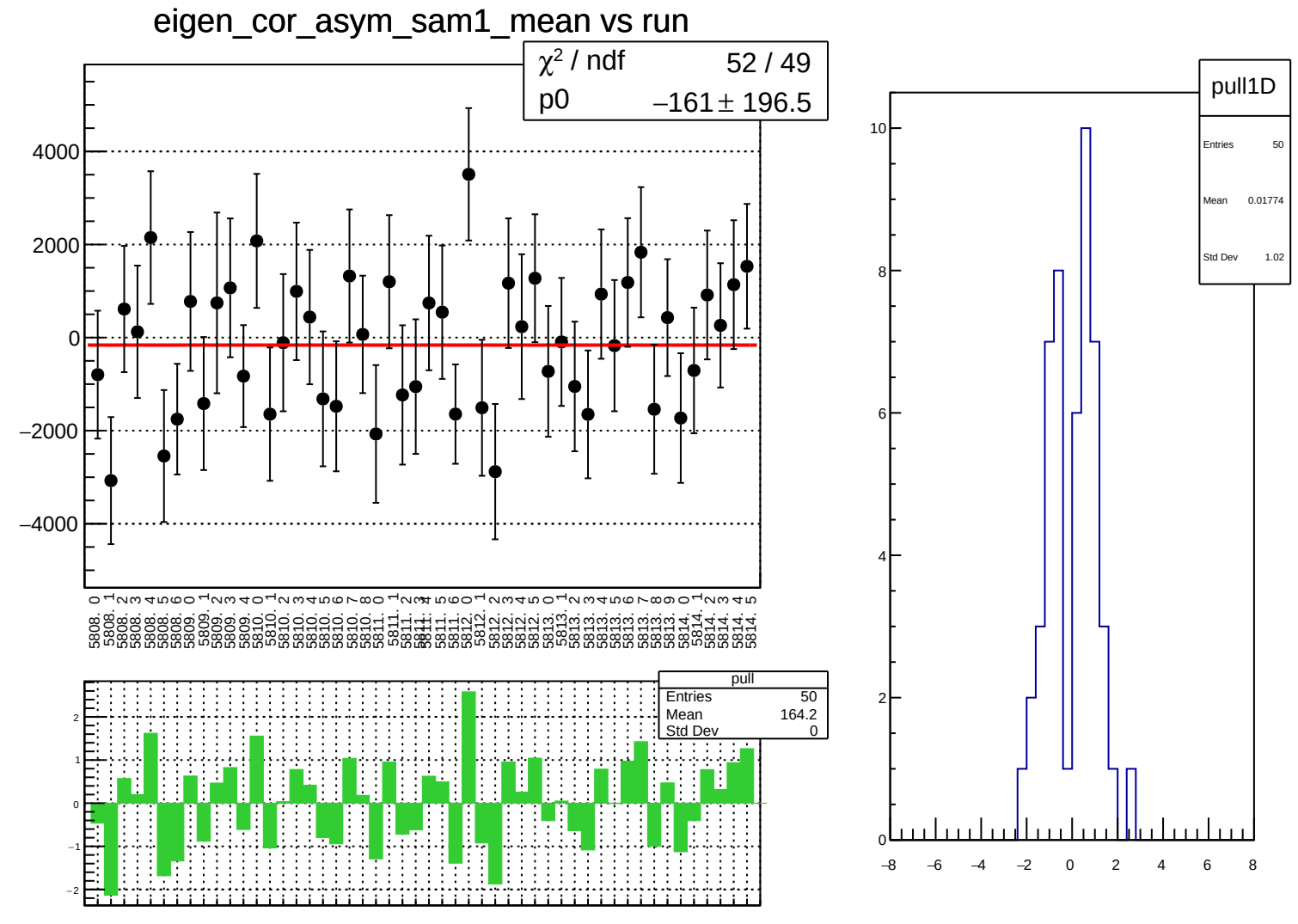
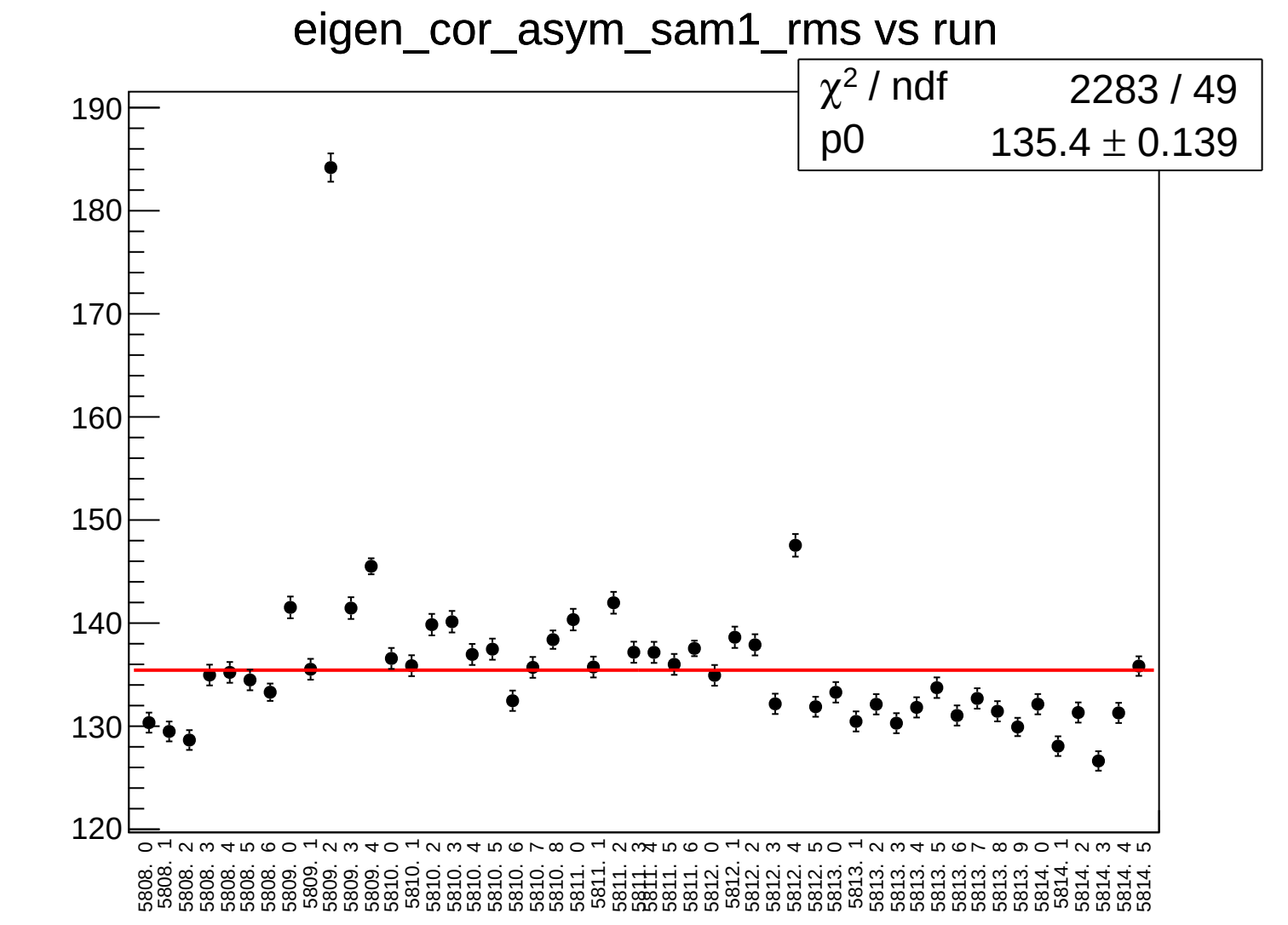
5814. 4
5814. 5


eigen_cor_asym_sam1_mean vs run
χ² / ndf 52 / 49
p0 −161 ± 196.5
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 164.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01774
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam1_rms vs run
χ² / ndf 2283 / 49
p0 135.4 ± 0.139
190
180
170
160
150
140
130
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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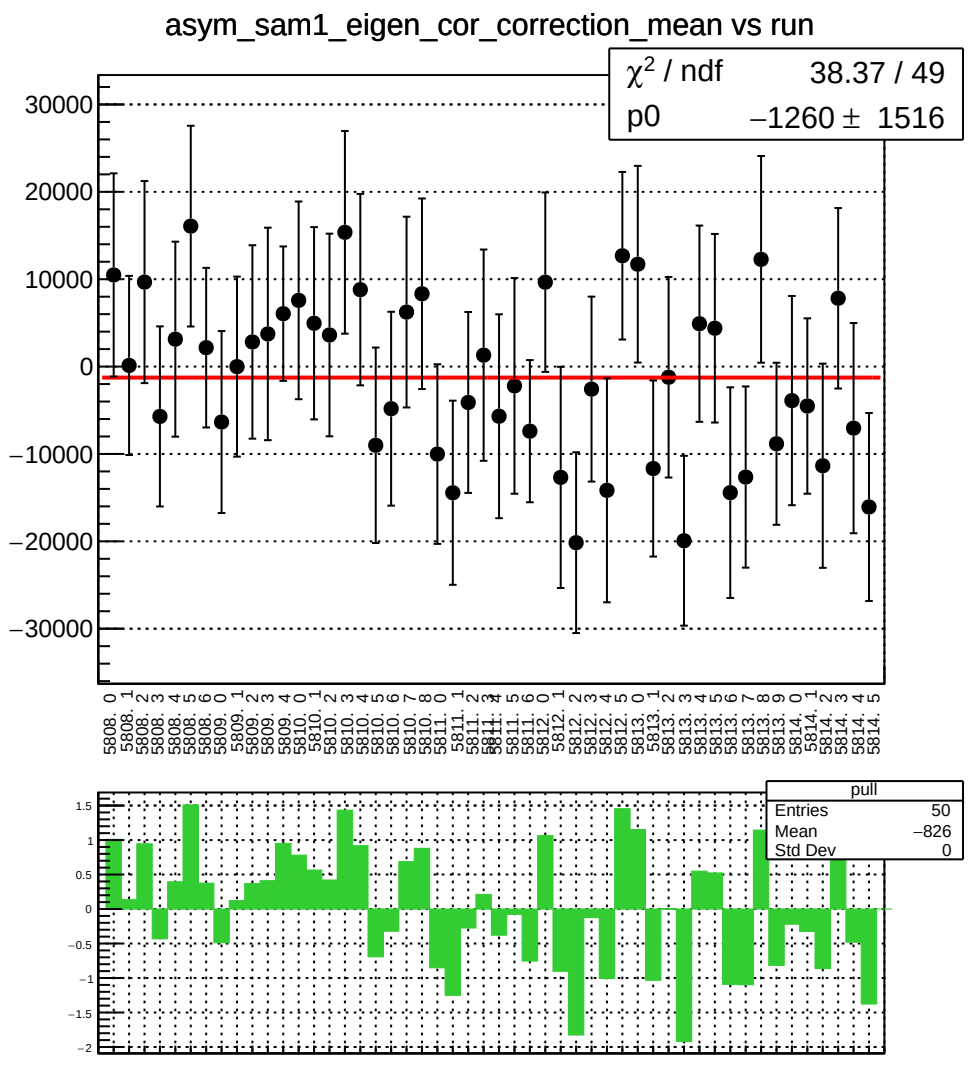
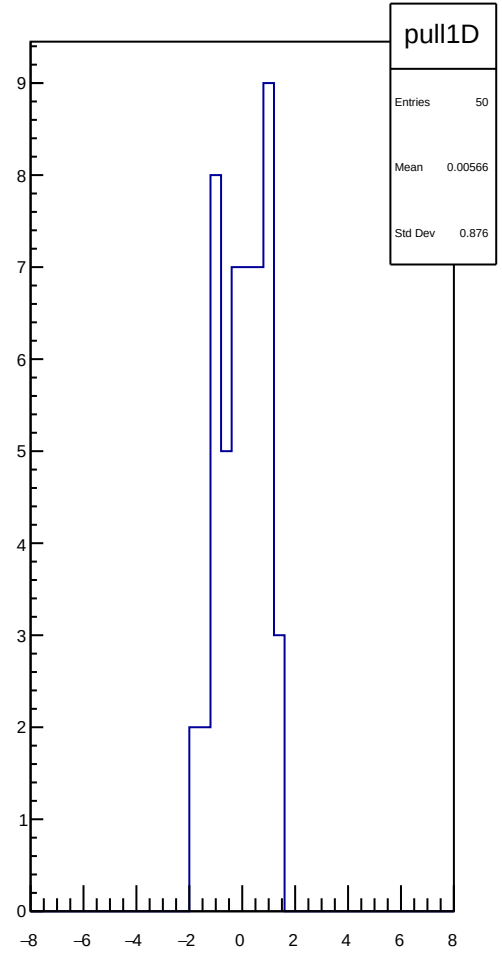
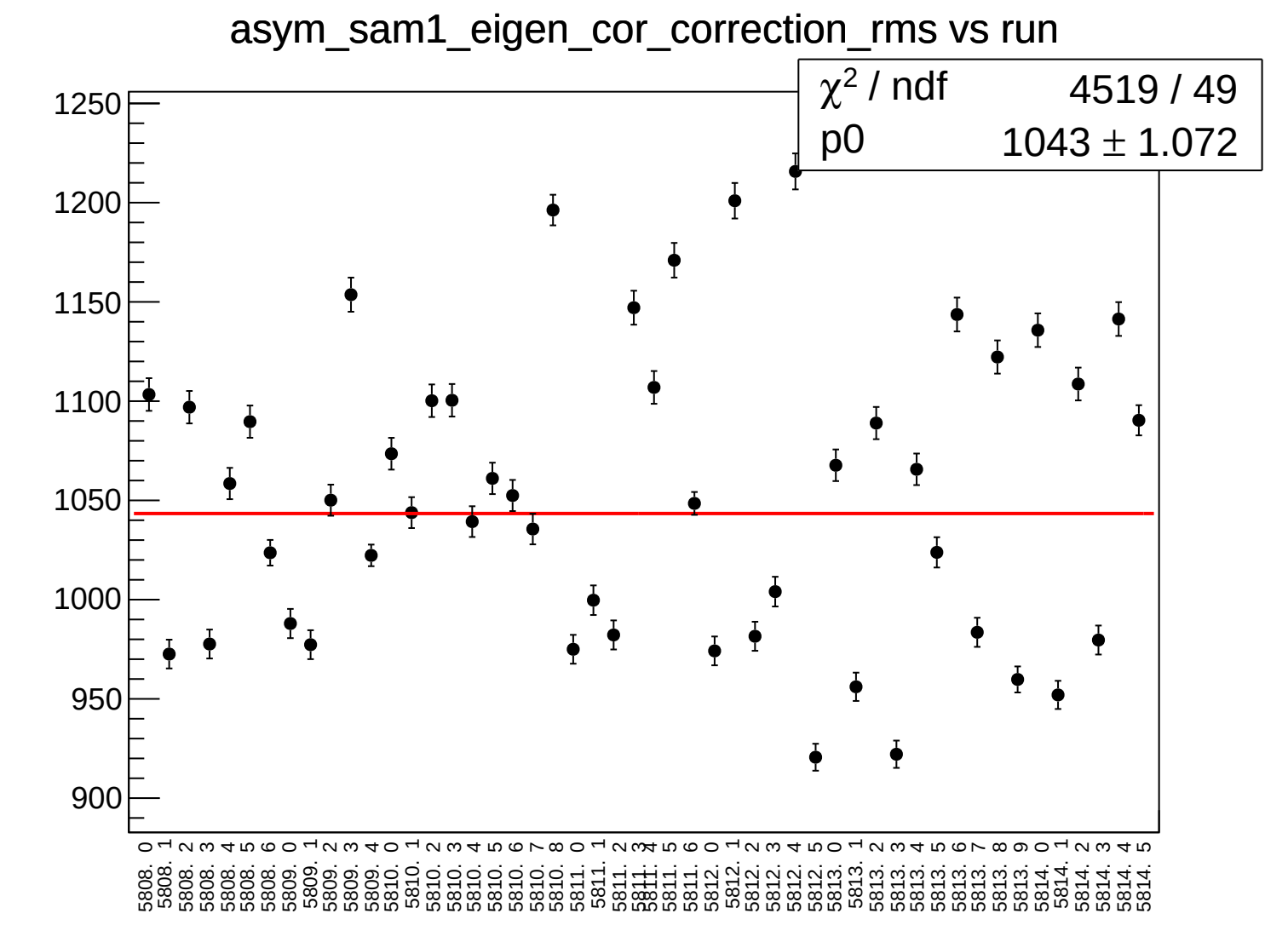
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 38.37 / 49
p0 −1260 ± 1516
pull
Entries 50
Mean −826
Std Dev 0


pull1D
Entries 50
Mean 0.00566
Std Dev 0.876


asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 4519 / 49
p0 1043 ± 1.072
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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5813. 8
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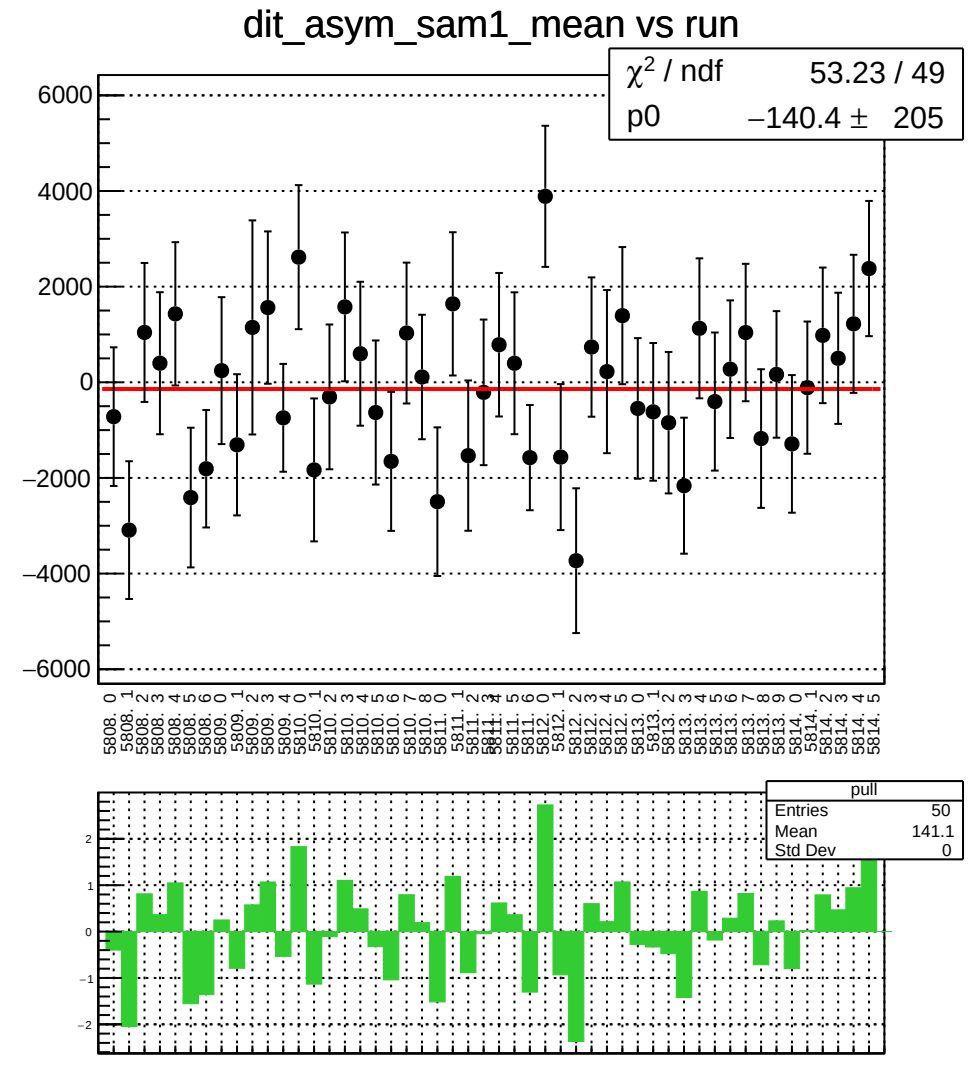
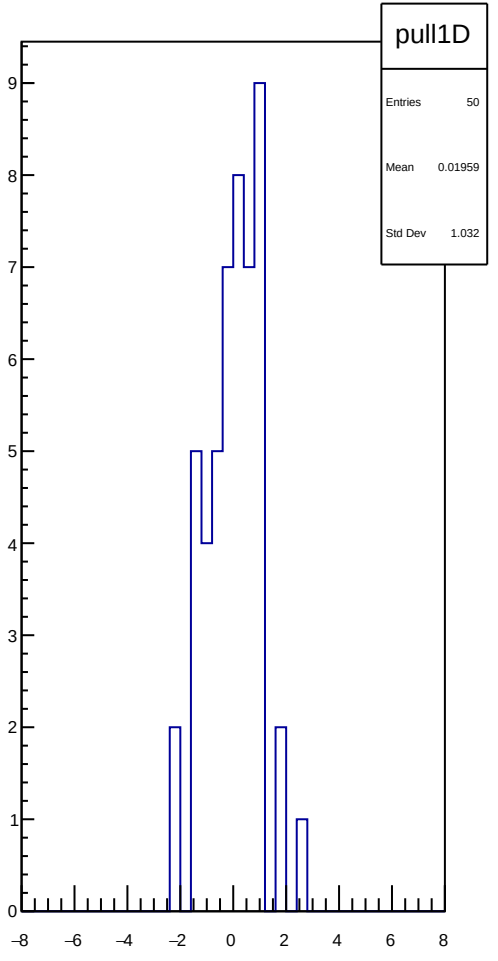
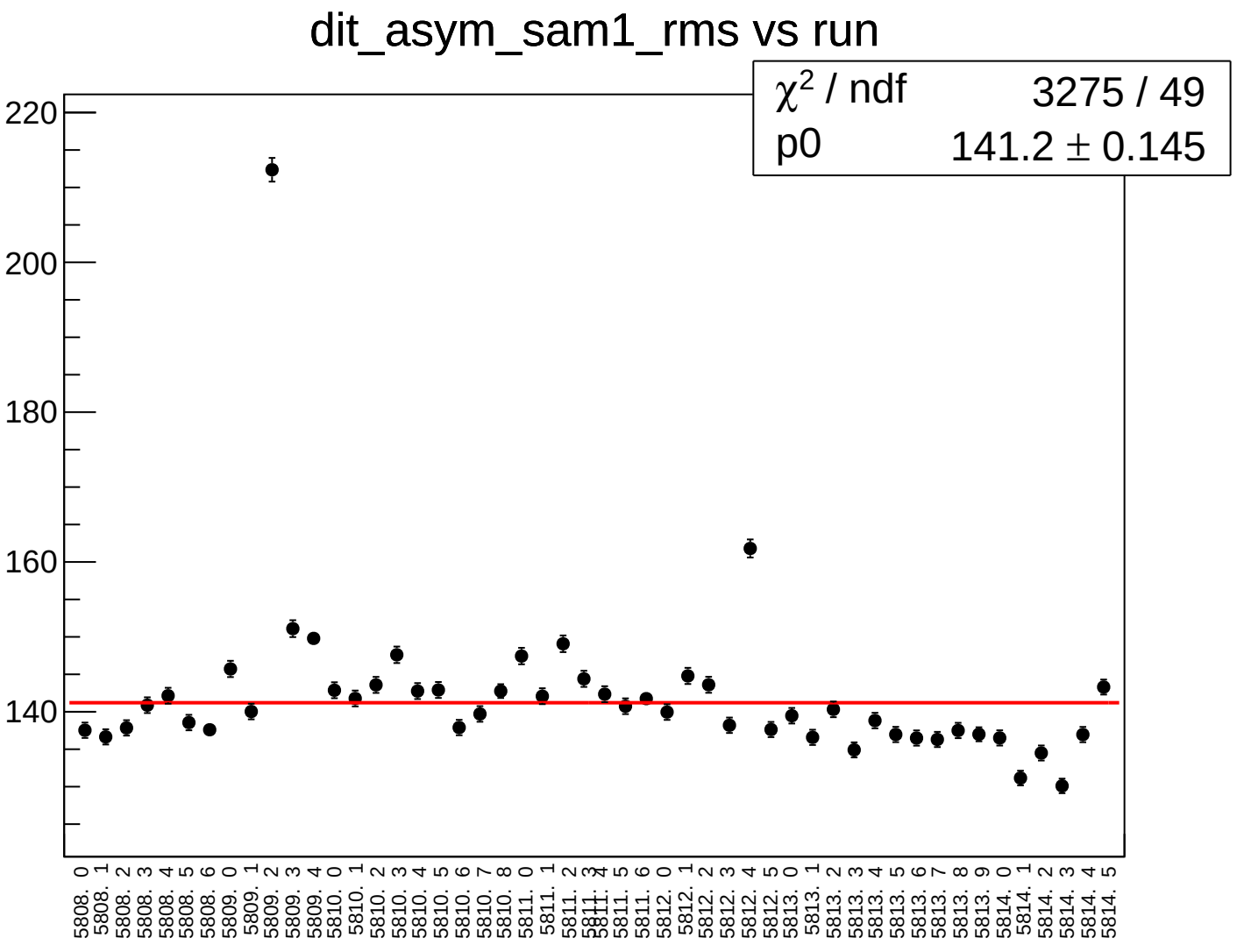
5814. 5


dit_asym_sam1_mean vs run
χ² / ndf 53.23 / 49
p0 −140.4 ± 205
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 141.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.01959
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam1_rms vs run
χ² / ndf 3275 / 49
p0 141.2 ± 0.145
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
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5812. 5
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5813. 1
5813. 2
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5814. 2
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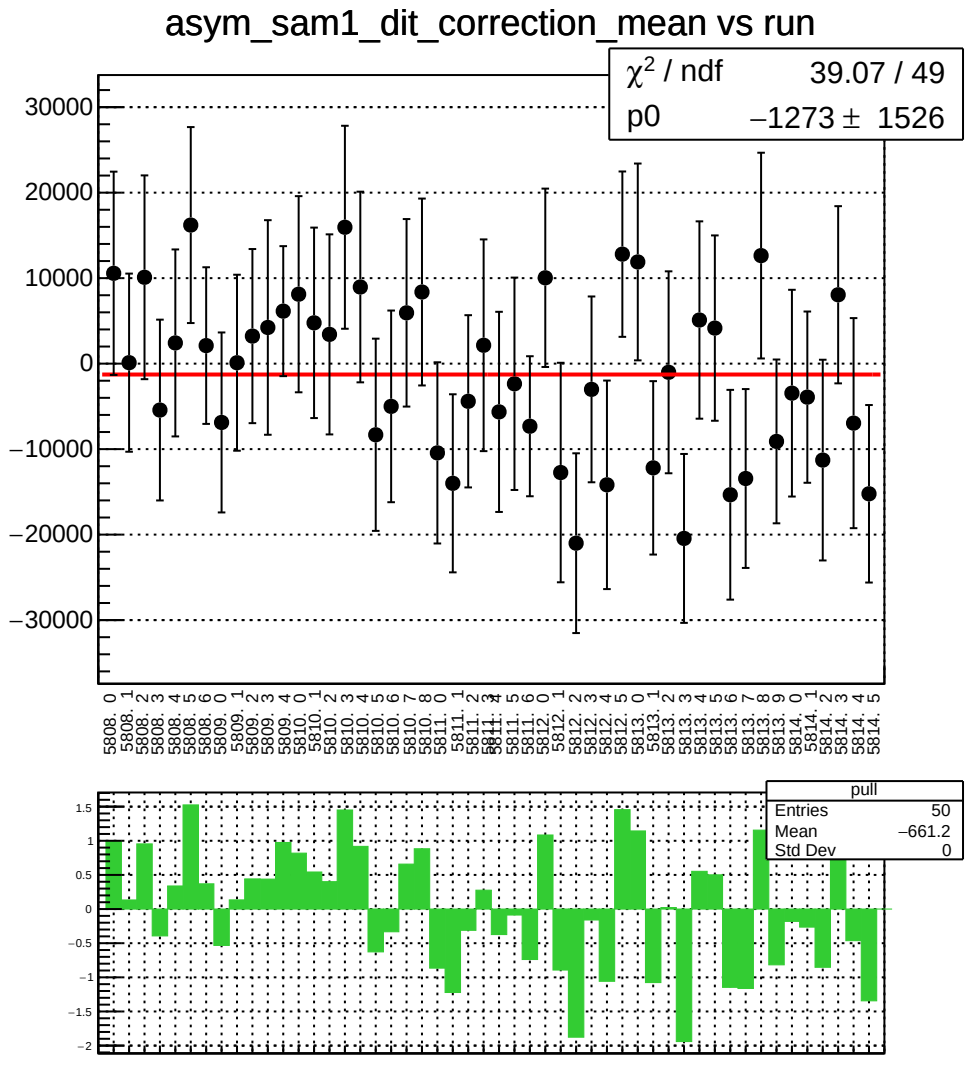
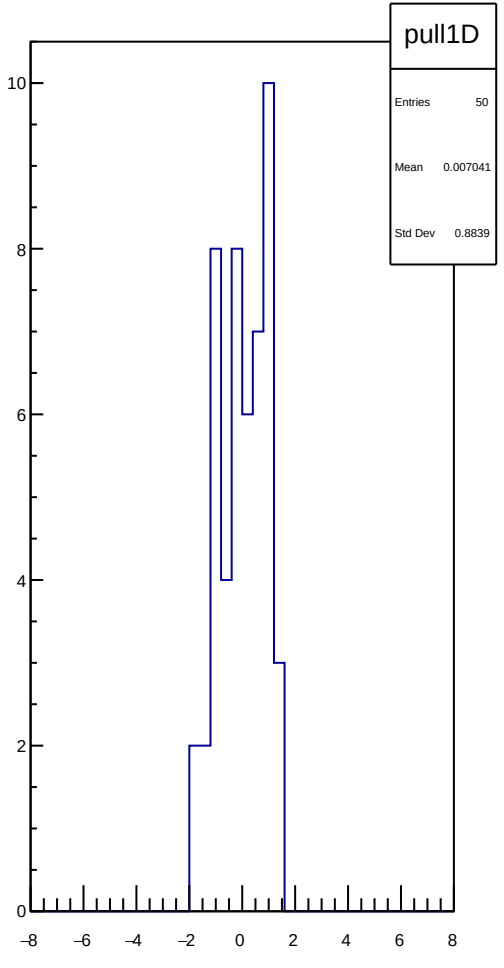
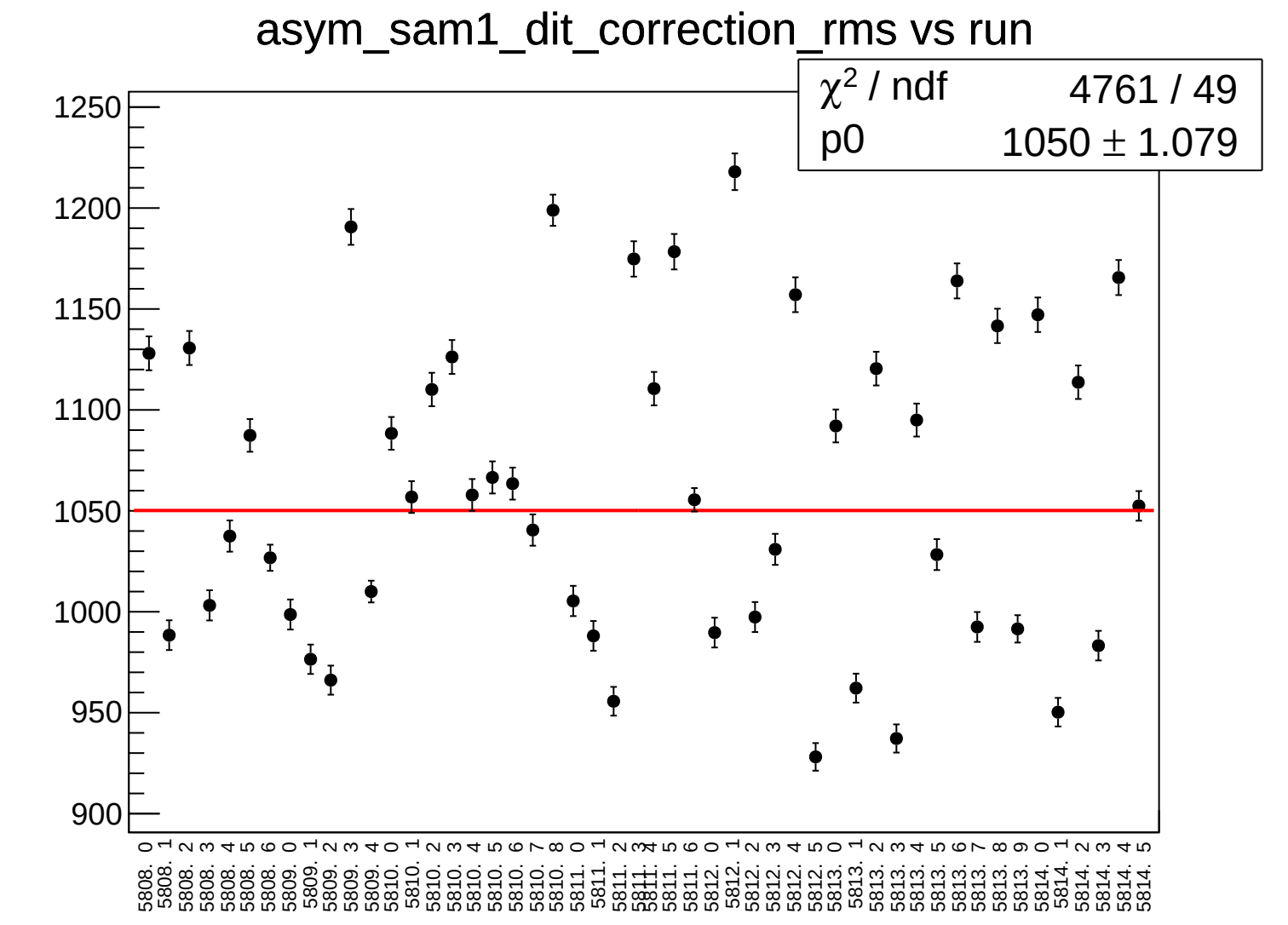
5814. 4
5814. 5


asym_sam1_dit_correction_mean vs run
χ² / ndf 39.07 / 49
p0 −1273 ± 1526
pull
Entries 50
Mean −661.2
Std Dev 0


pull1D
Entries 50
Mean 0.007041
Std Dev 0.8839


asym_sam1_dit_correction_rms vs run
χ² / ndf 4761 / 49
p0 1050 ± 1.079
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5813. 1
5813. 2
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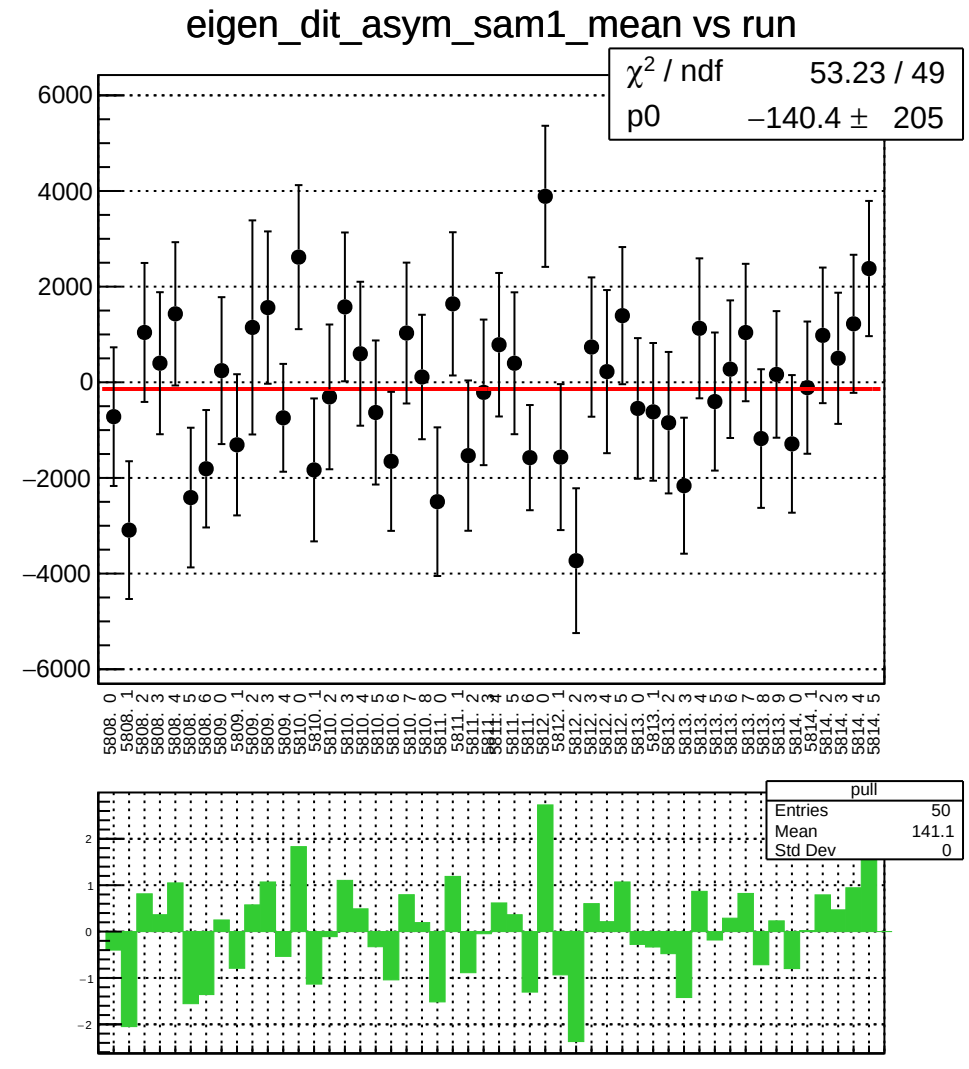
5814. 5


eigen_dit_asym_sam1_mean vs run
χ² / ndf 53.23 / 49
p0 −140.4 ± 205
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
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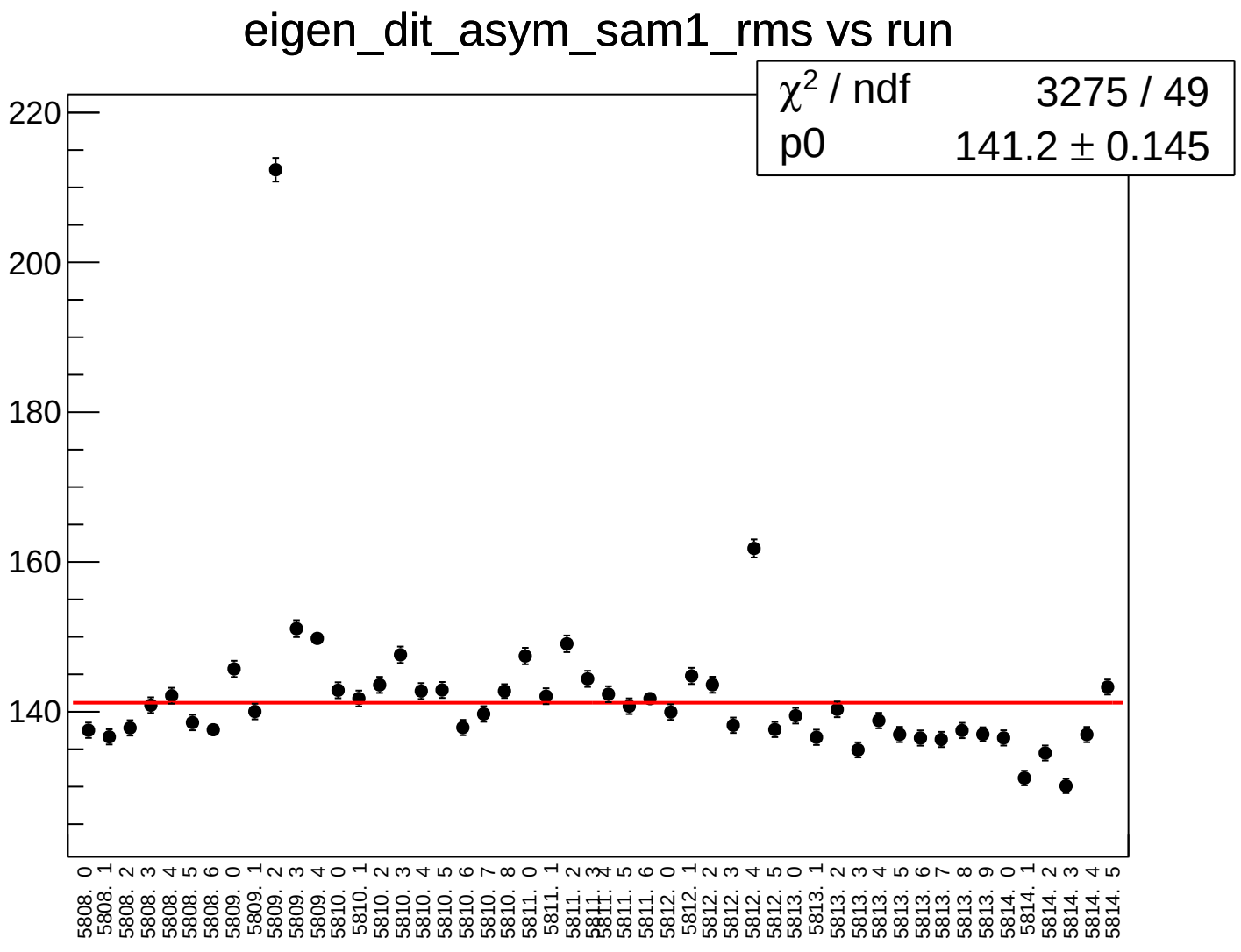
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 141.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01959
Std Dev 1.032
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam1_rms vs run
χ² / ndf 3275 / 49
p0 141.2 ± 0.145
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 2
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5813. 4
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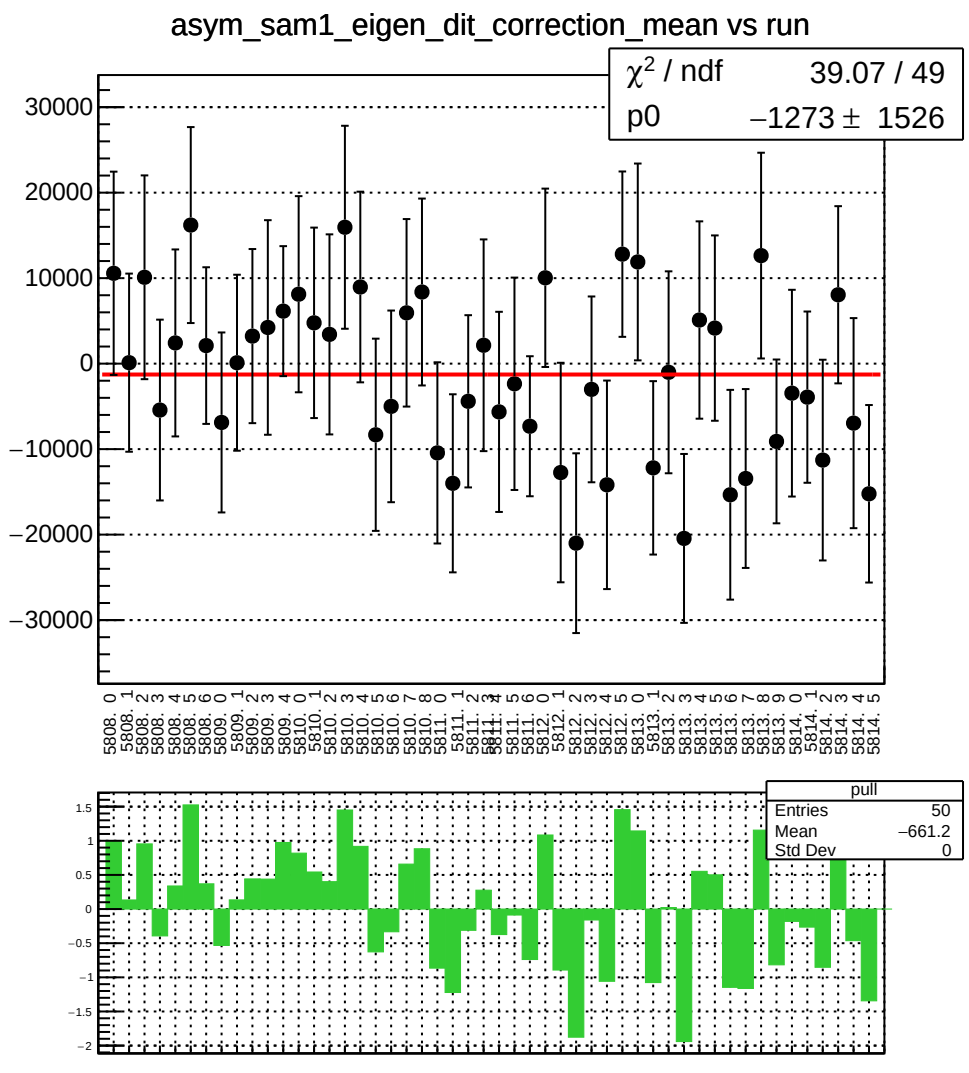
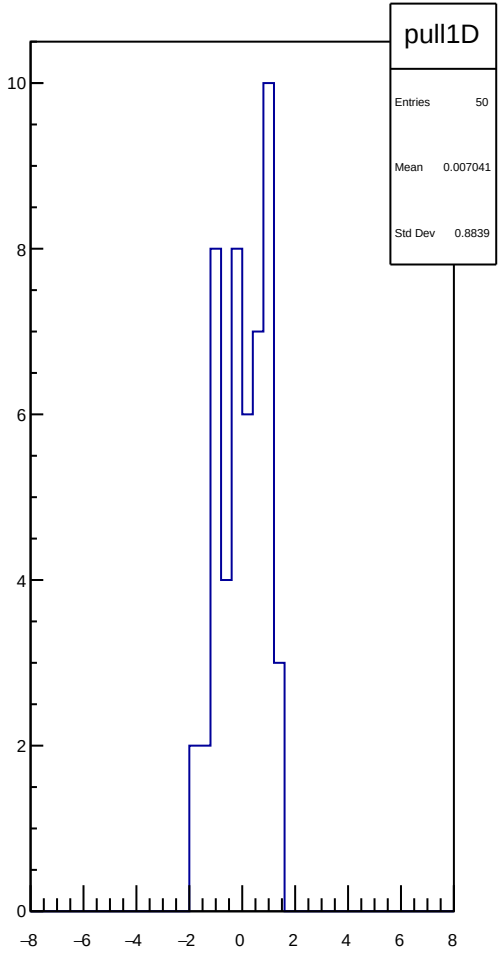
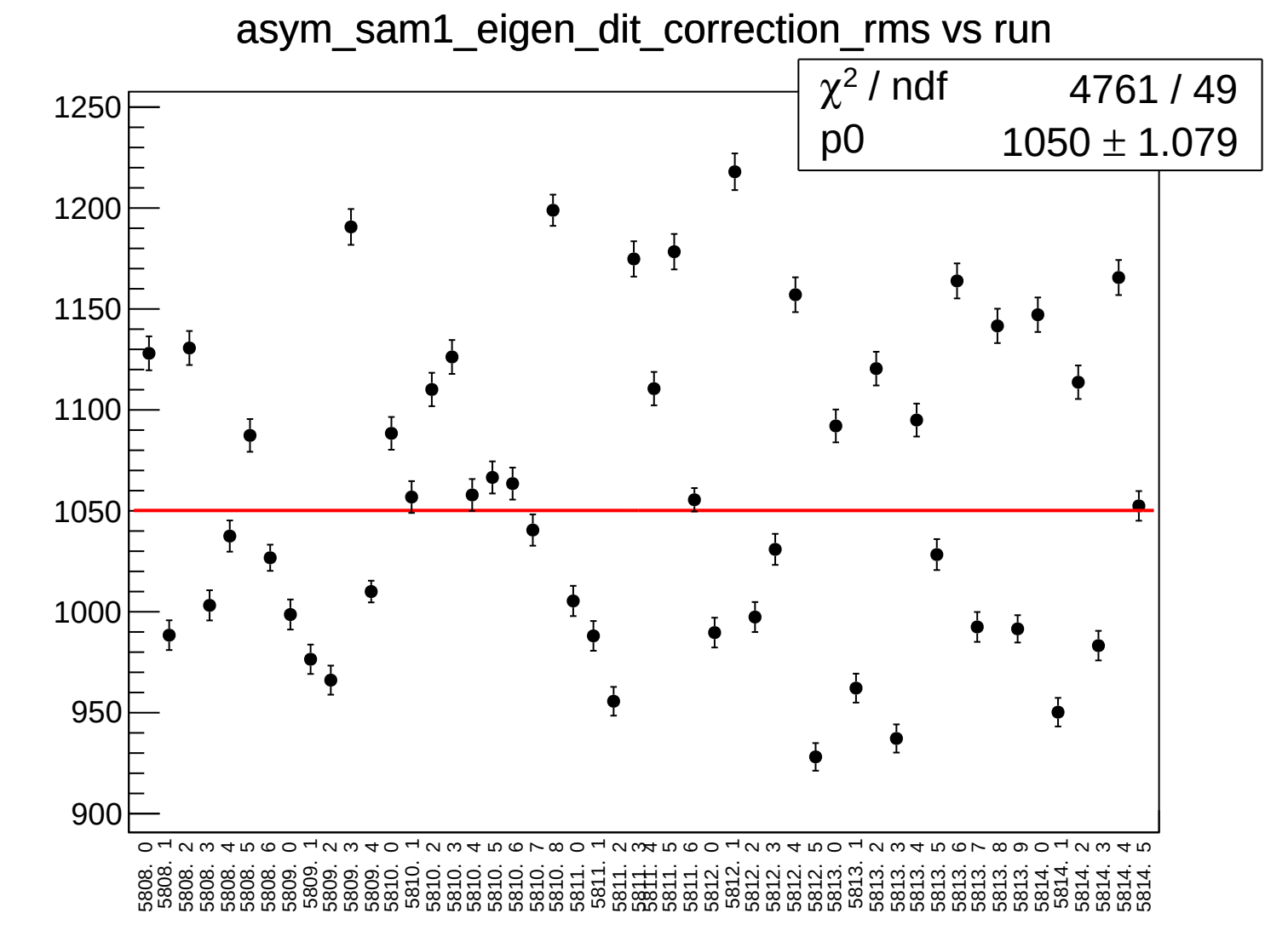
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 39.07 / 49
p0 −1273 ± 1526
pull
Entries 50
Mean −661.2
Std Dev 0


pull1D
Entries 50
Mean 0.007041
Std Dev 0.8839


asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 4761 / 49
p0 1050 ± 1.079
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
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5810. 4
5810. 5
5810. 6
5810. 7
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5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
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5812. 2
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5813. 8
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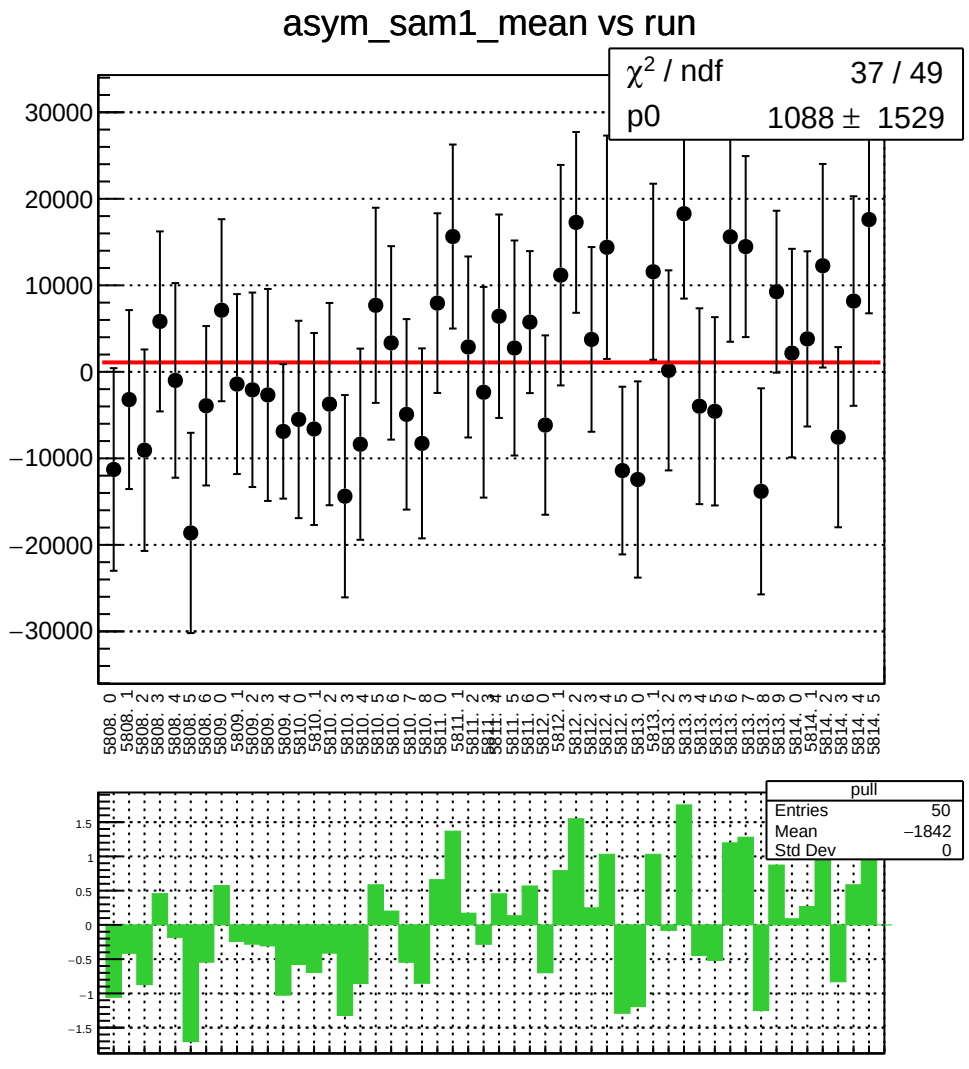
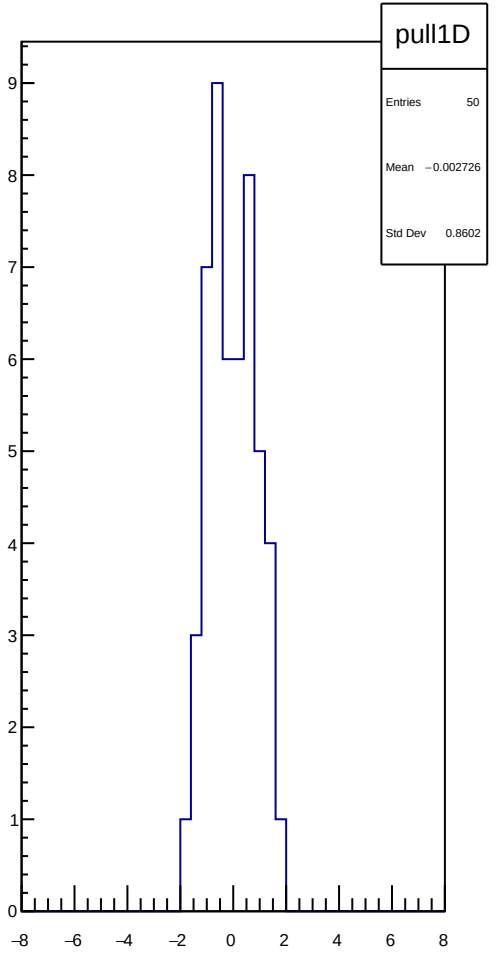
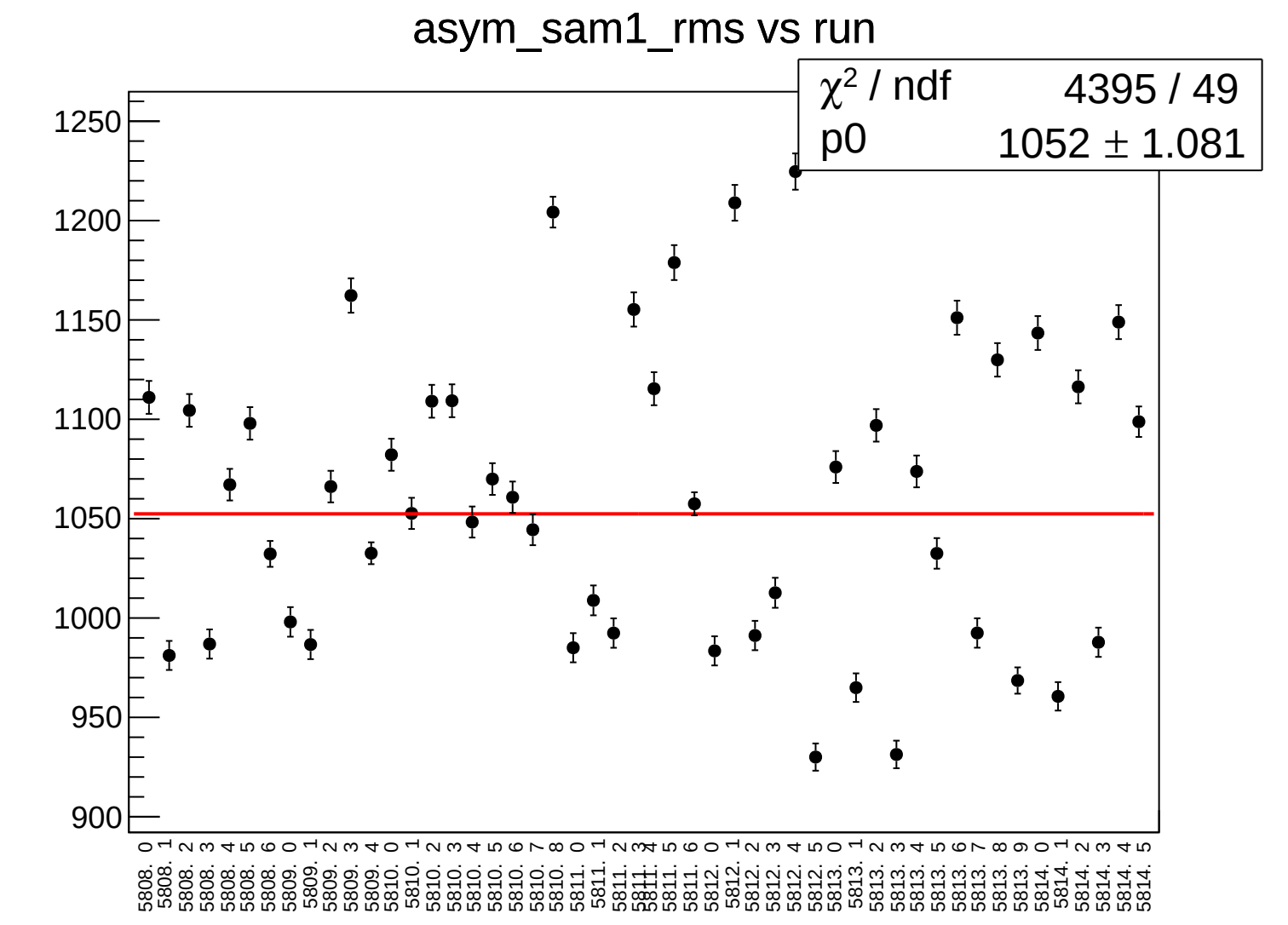
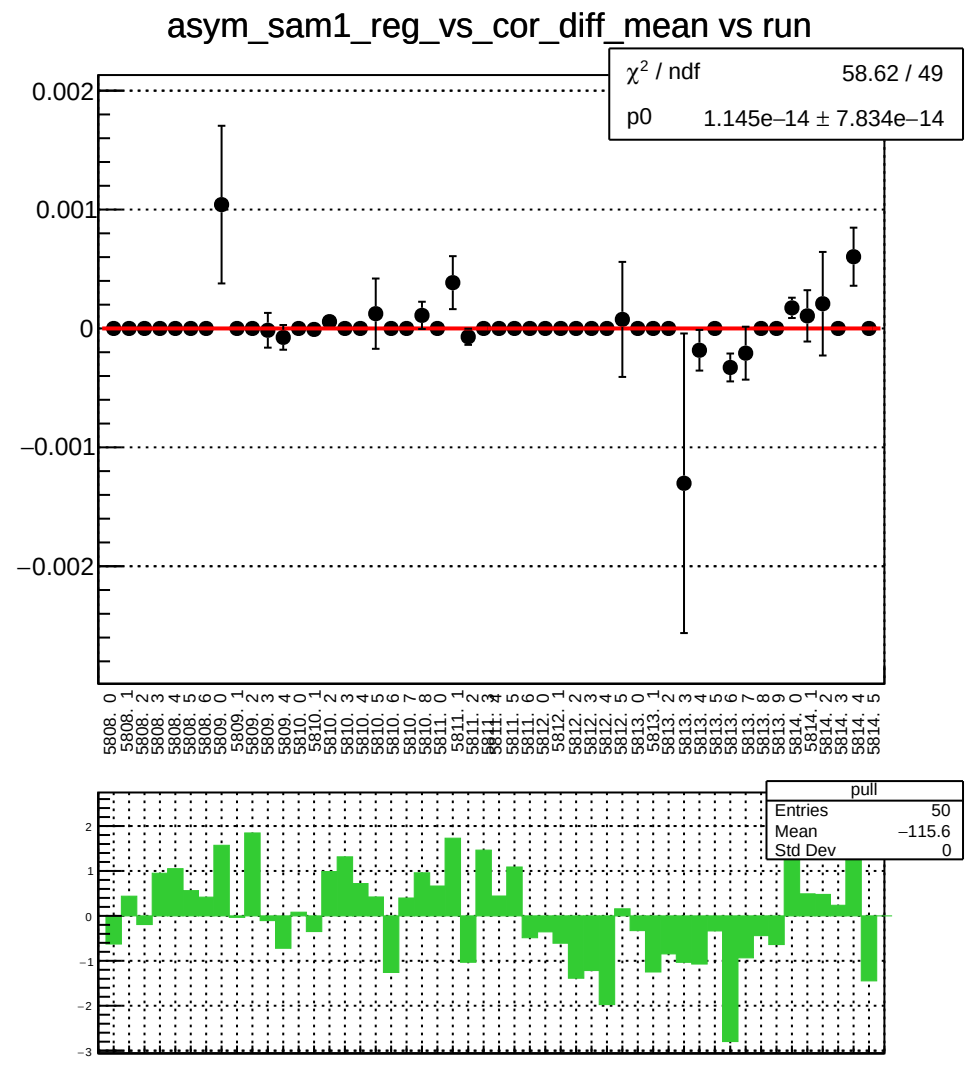
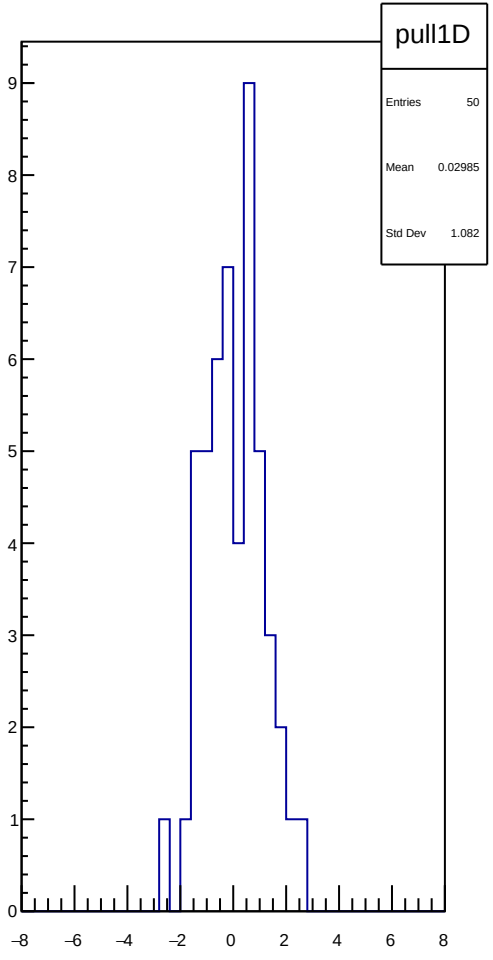
5814. 4
5814. 5

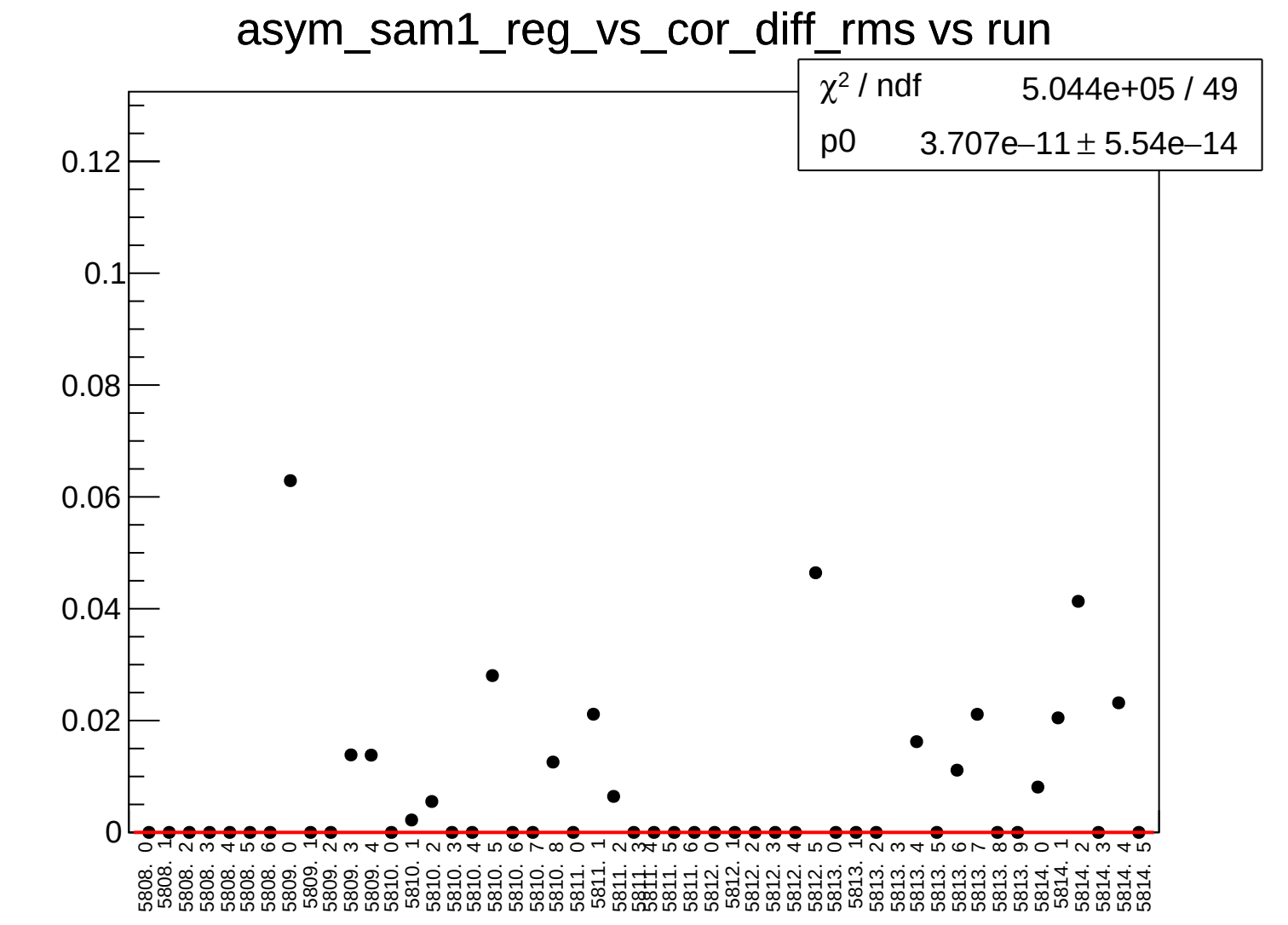

asym_sam1_mean vs run
χ² / ndf 37 / 49
p0 1088 ± 1529
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1842
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

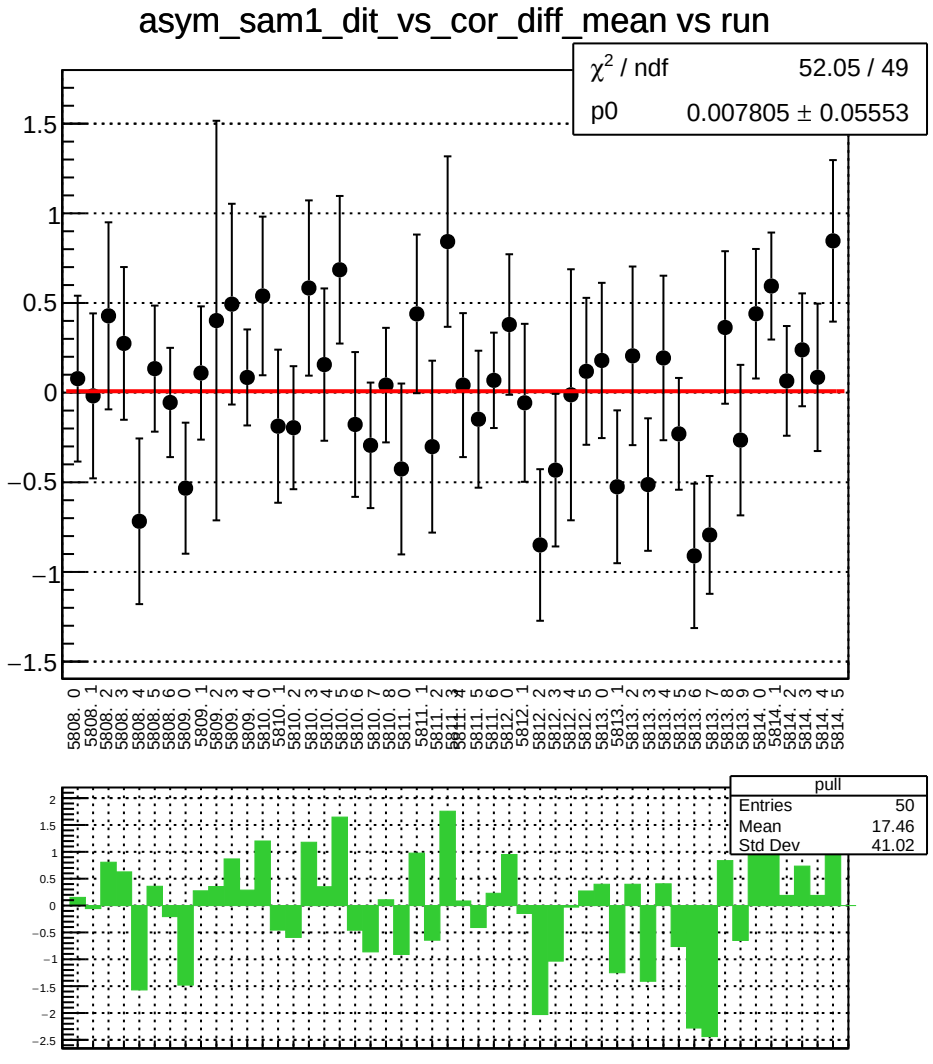

pull1D
Entries 50
Mean −0.002726
Std Dev 0.8602
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

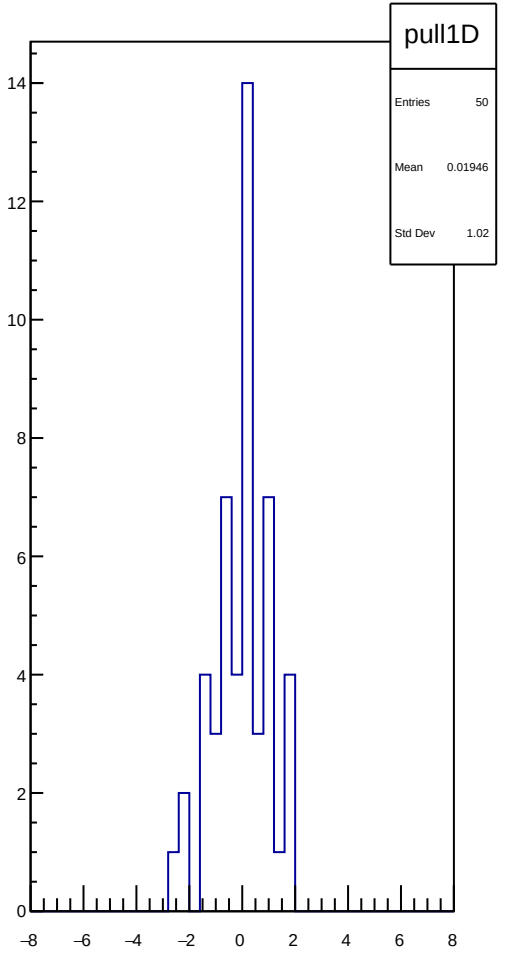

asym_sam1_rms vs run
χ² / ndf 4395 / 49
p0 1052 ± 1.081
1250
1200
1150
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

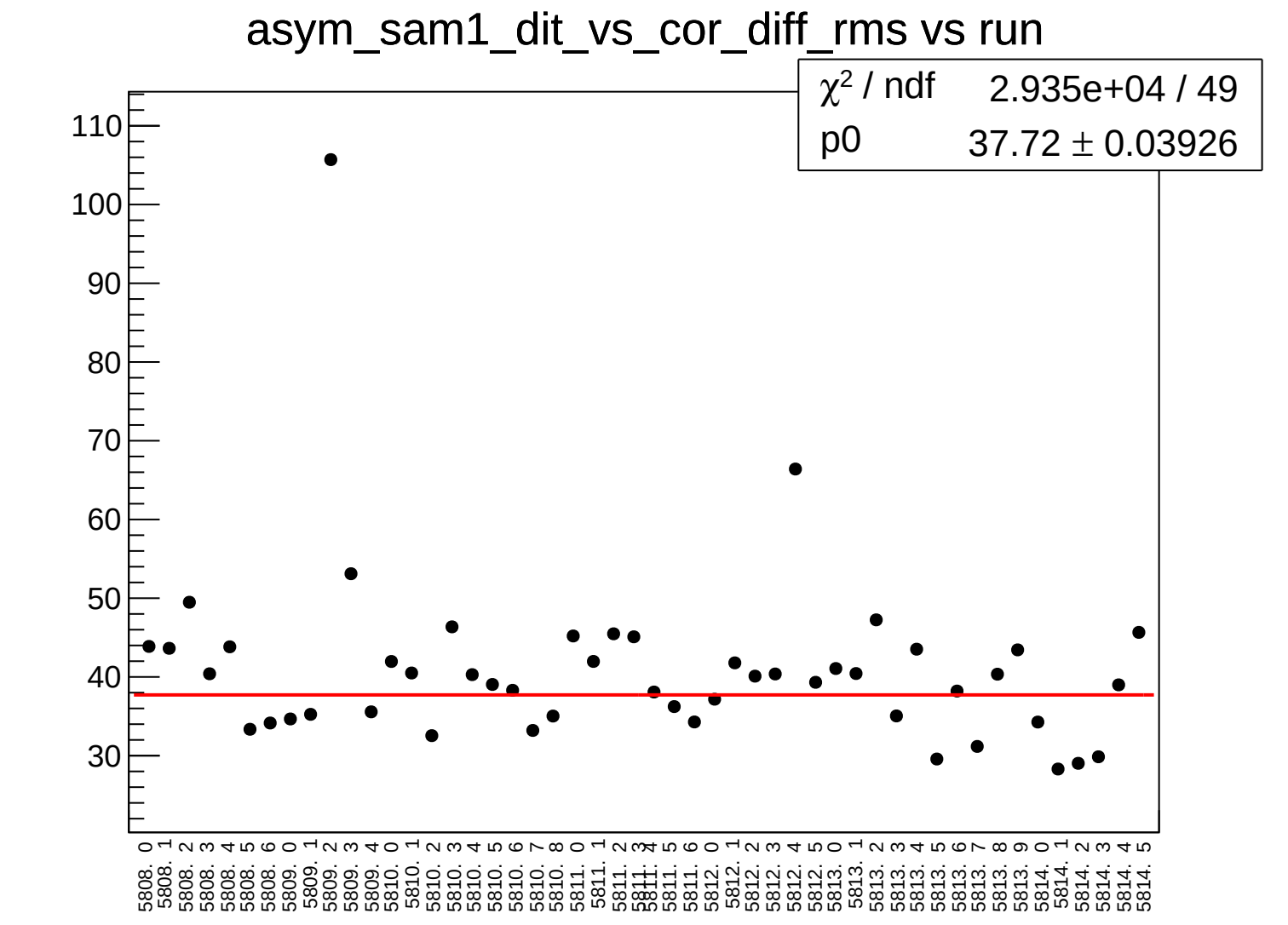

asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 58.62 / 49
p0 1.145e−14 ± 7.834e−14
0.002
0.001
0
−0.001
−0.002
pull
Entries 50
Mean −115.6
Std Dev 0

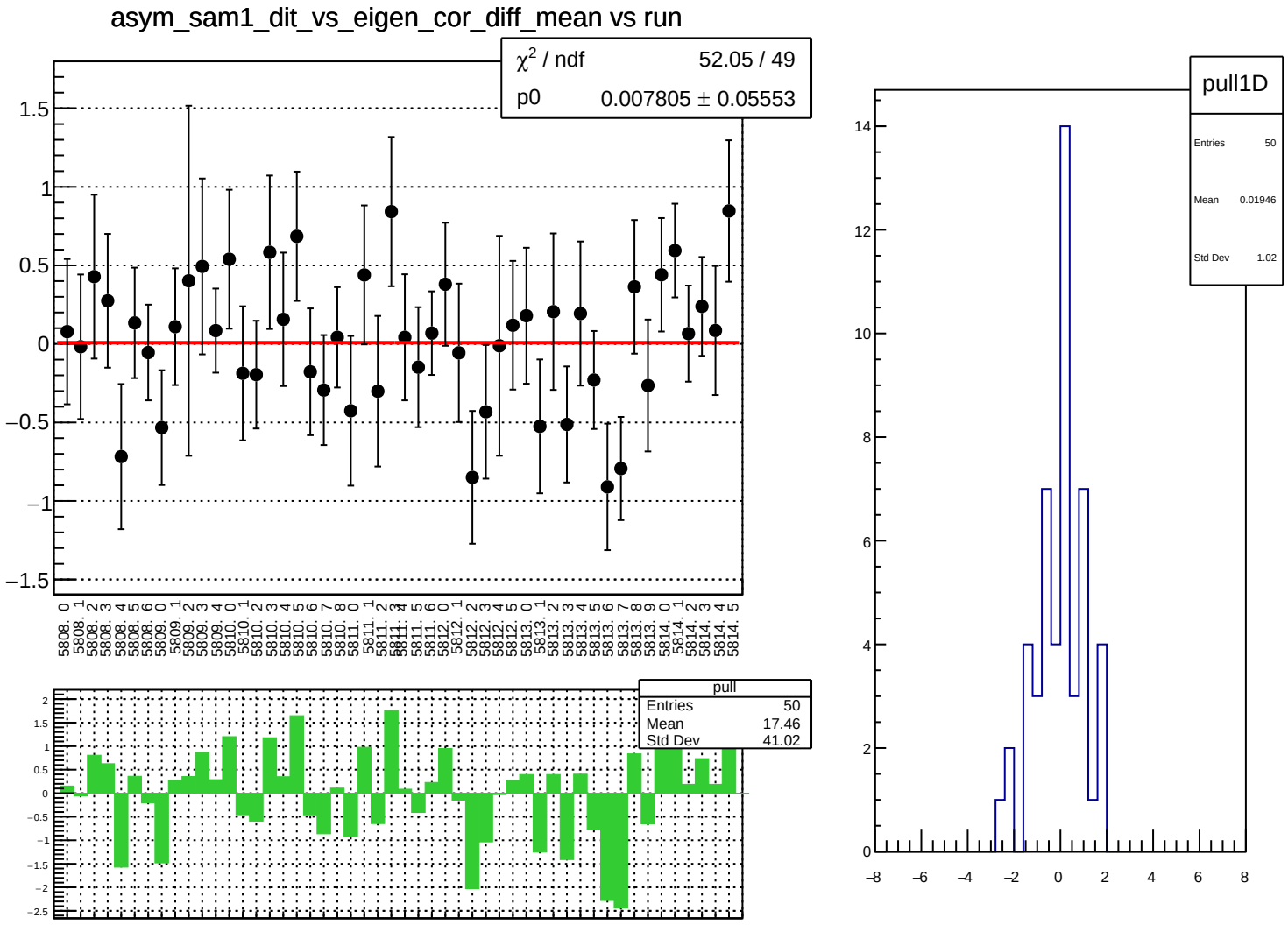

pull1D
Entries 50
Mean 0.02985
Std Dev 1.082

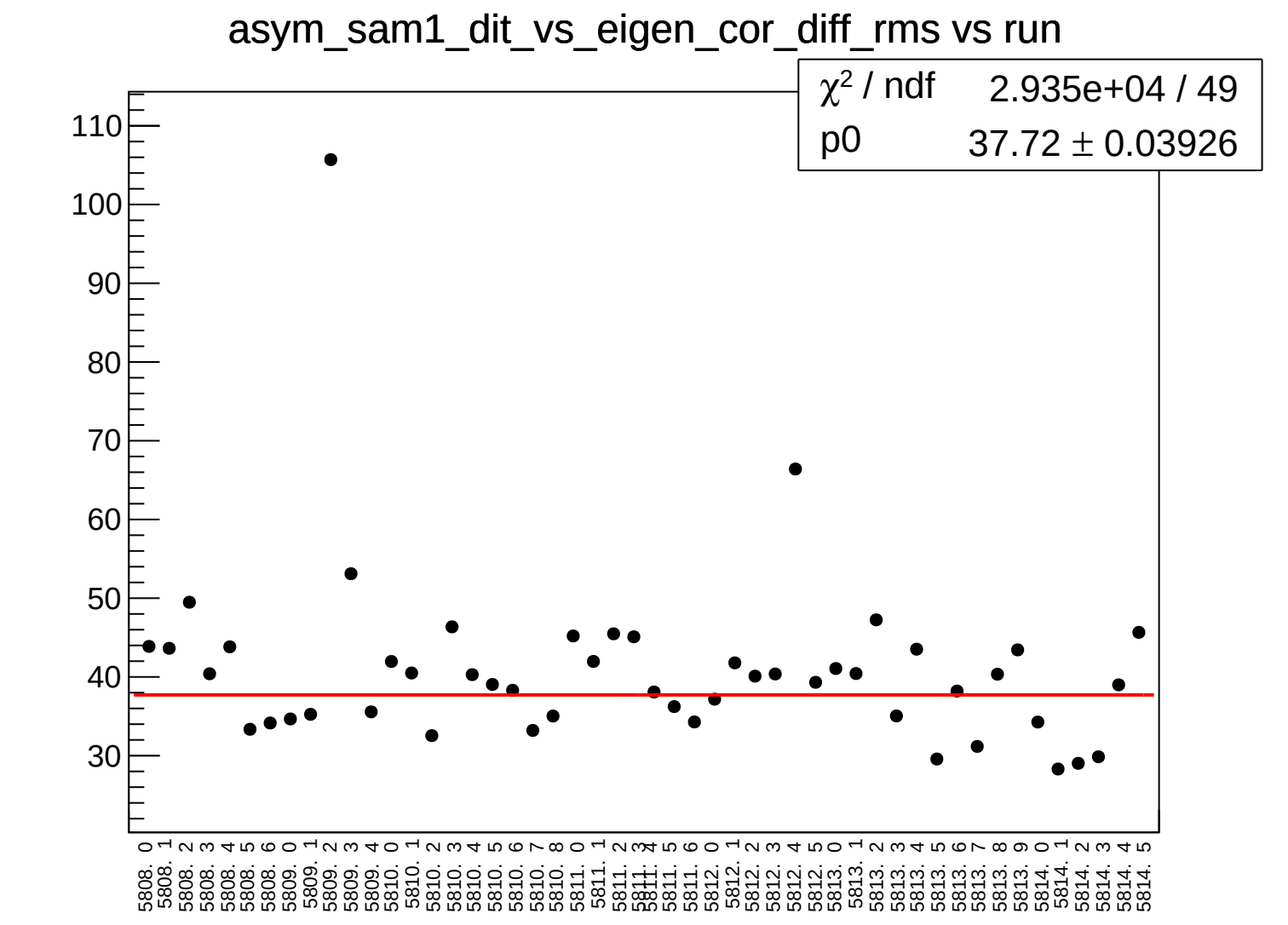

asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 5.044e+05 / 49
p0 3.707e−11 ± 5.54e−14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

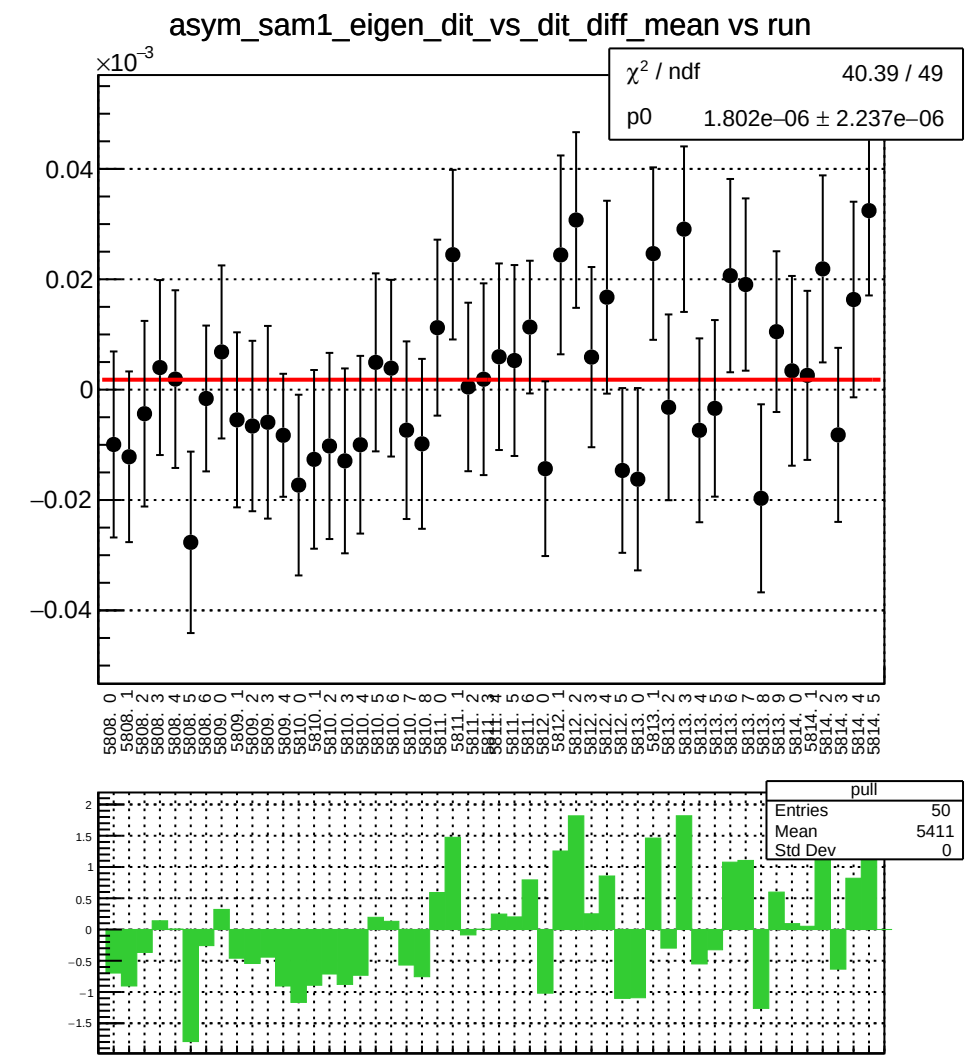

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 49
p0 0.007805 ± 0.05553
pull
Entries 50
Mean 17.46
Std Dev 41.02

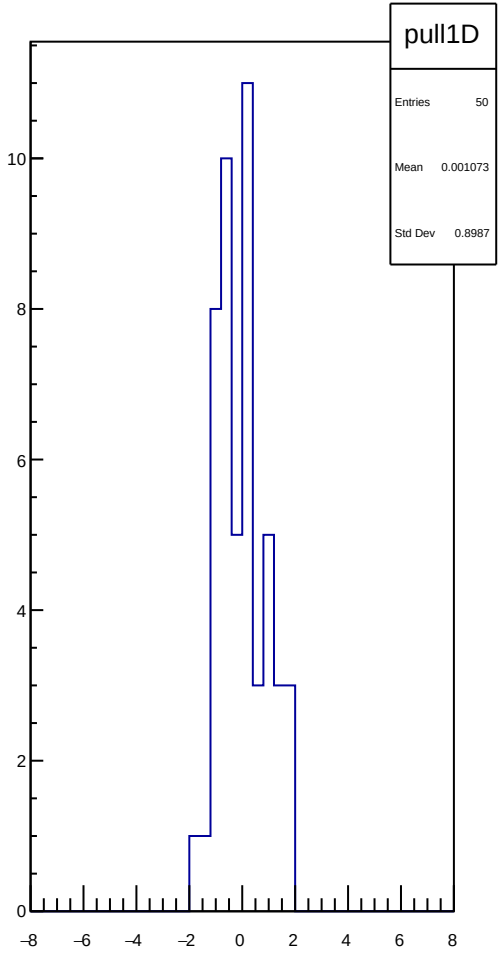

pull1D
Entries 50
Mean 0.01946
Std Dev 1.02

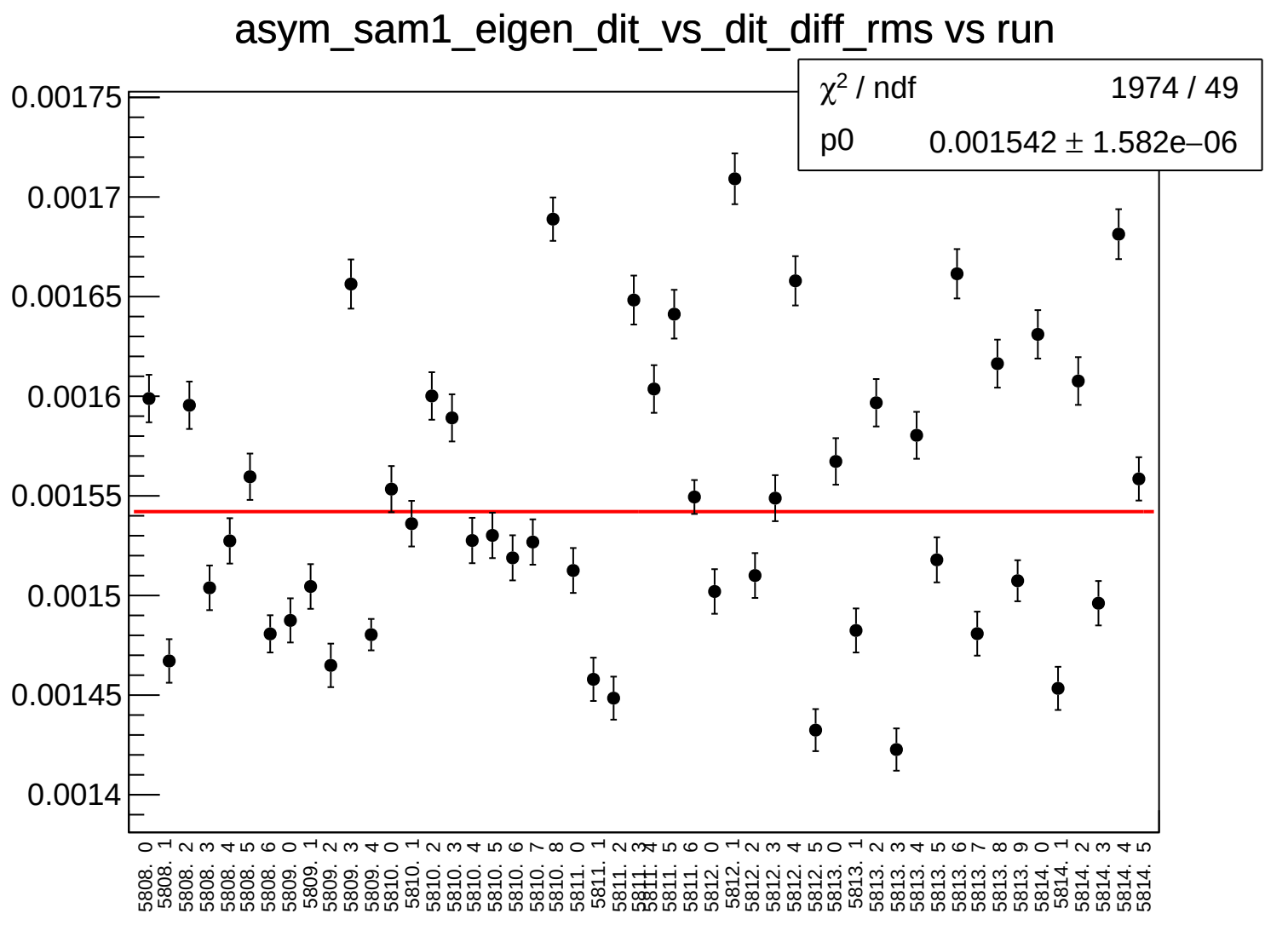

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 2.935e+04 / 49
p0 37.72 ± 0.03926
110
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

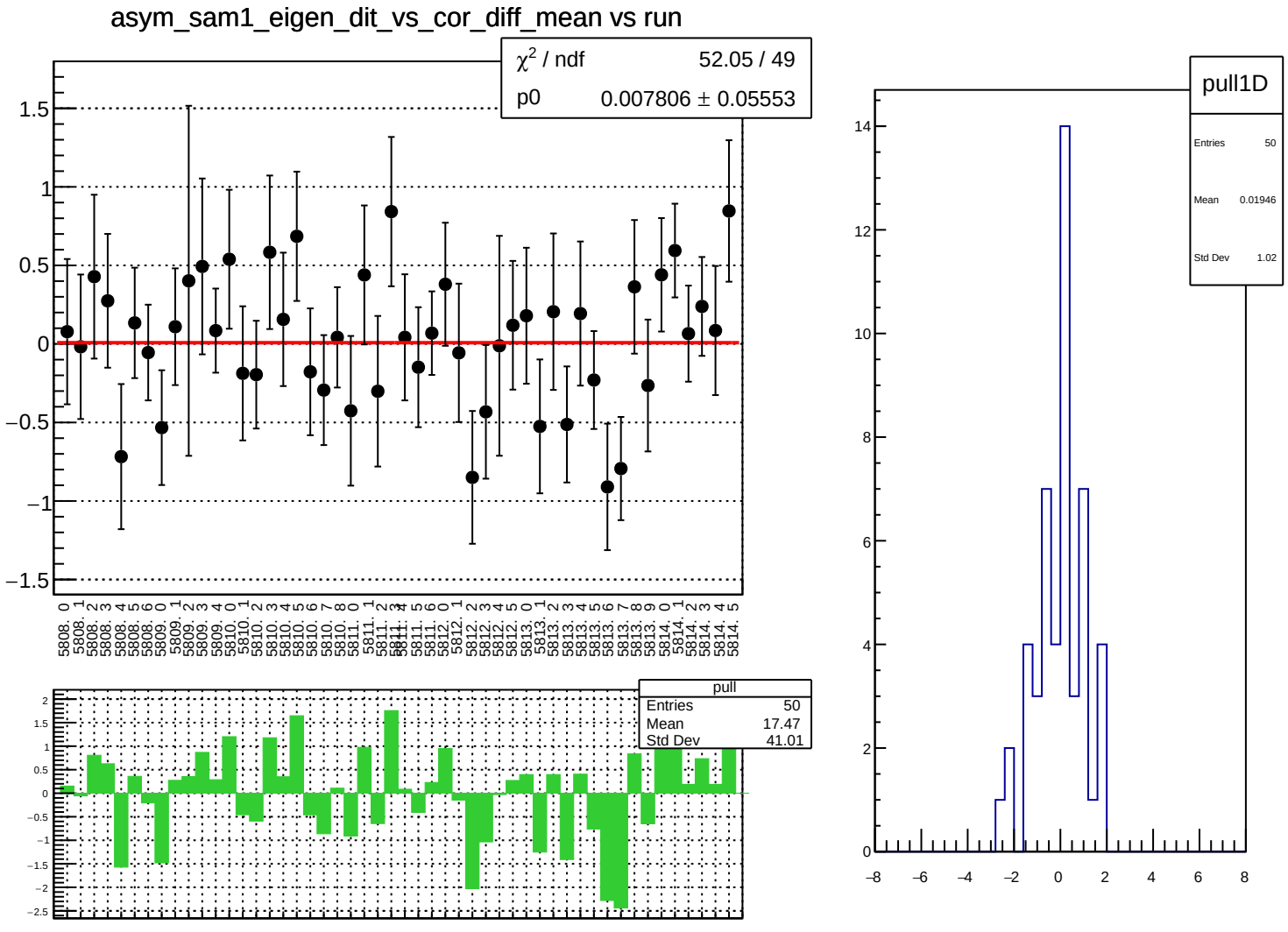

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 49
p0 0.007805 ± 0.05553
pull
Entries 50
Mean 17.46
Std Dev 41.02
pull1D
Entries 50
Mean 0.01946
Std Dev 1.02

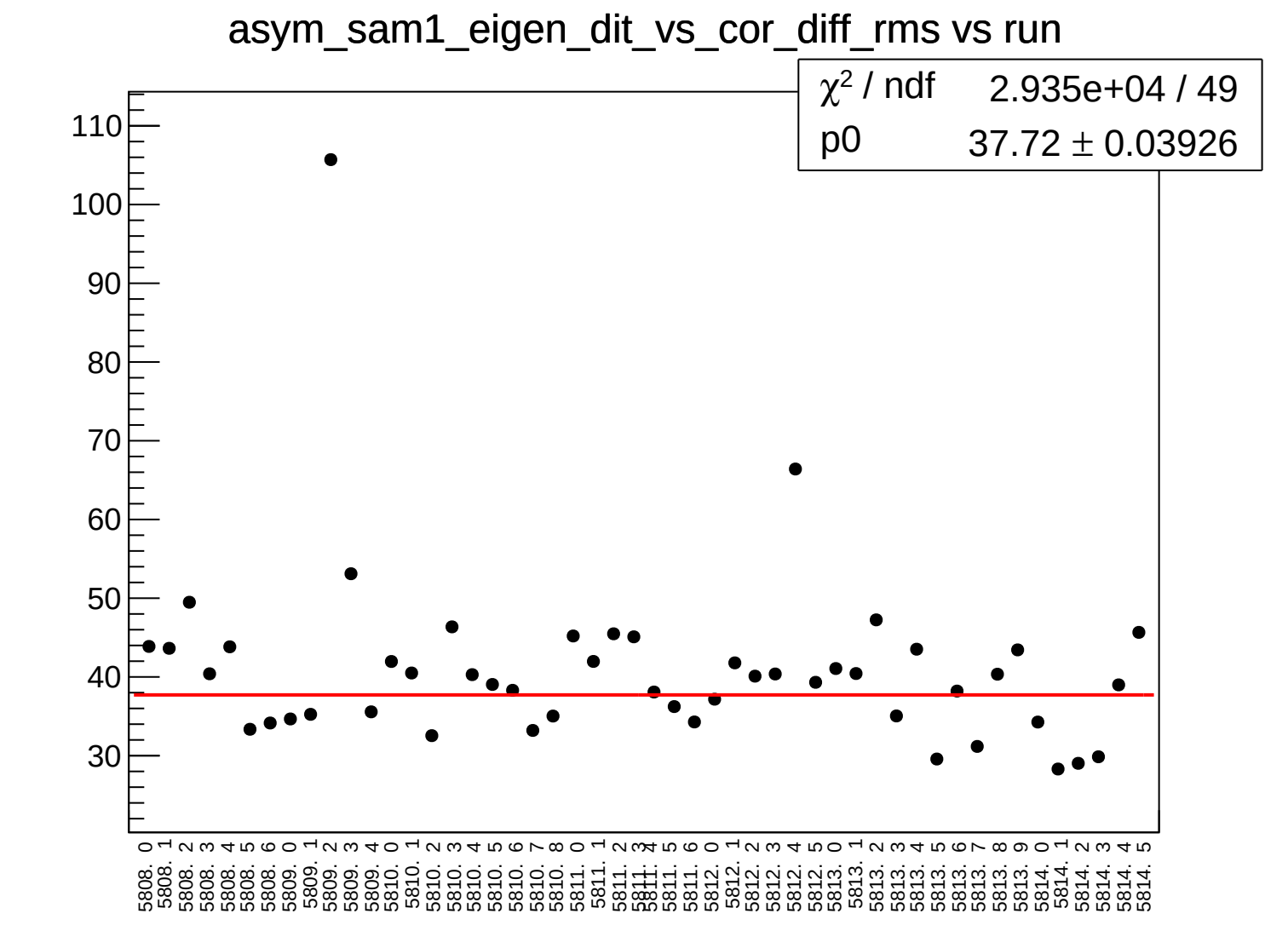

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.935e+04 / 49
p0 37.72 ± 0.03926
110
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

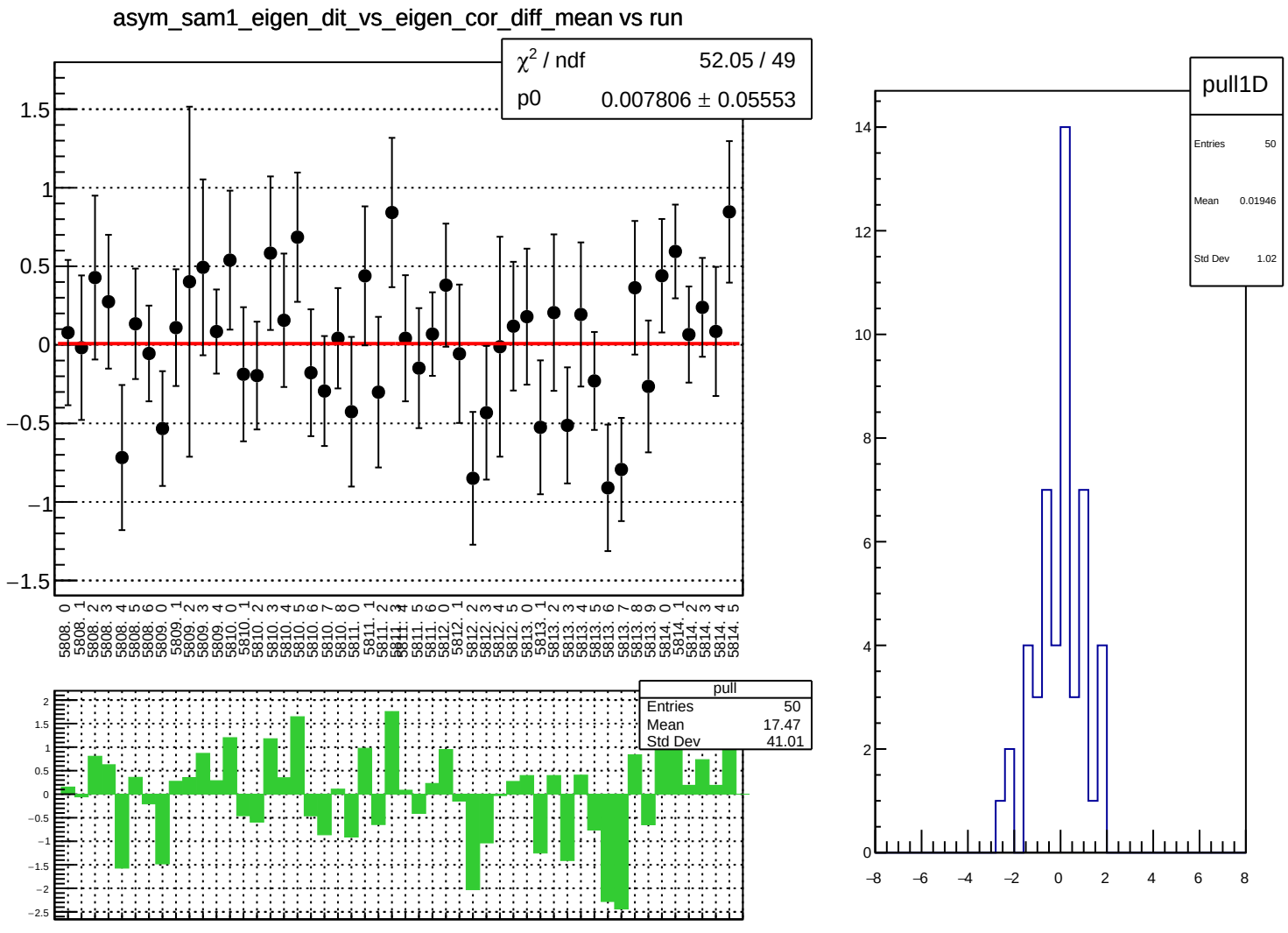

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.39 / 49
p0 1.802e−06 ± 2.237e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 50
Mean 5411
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

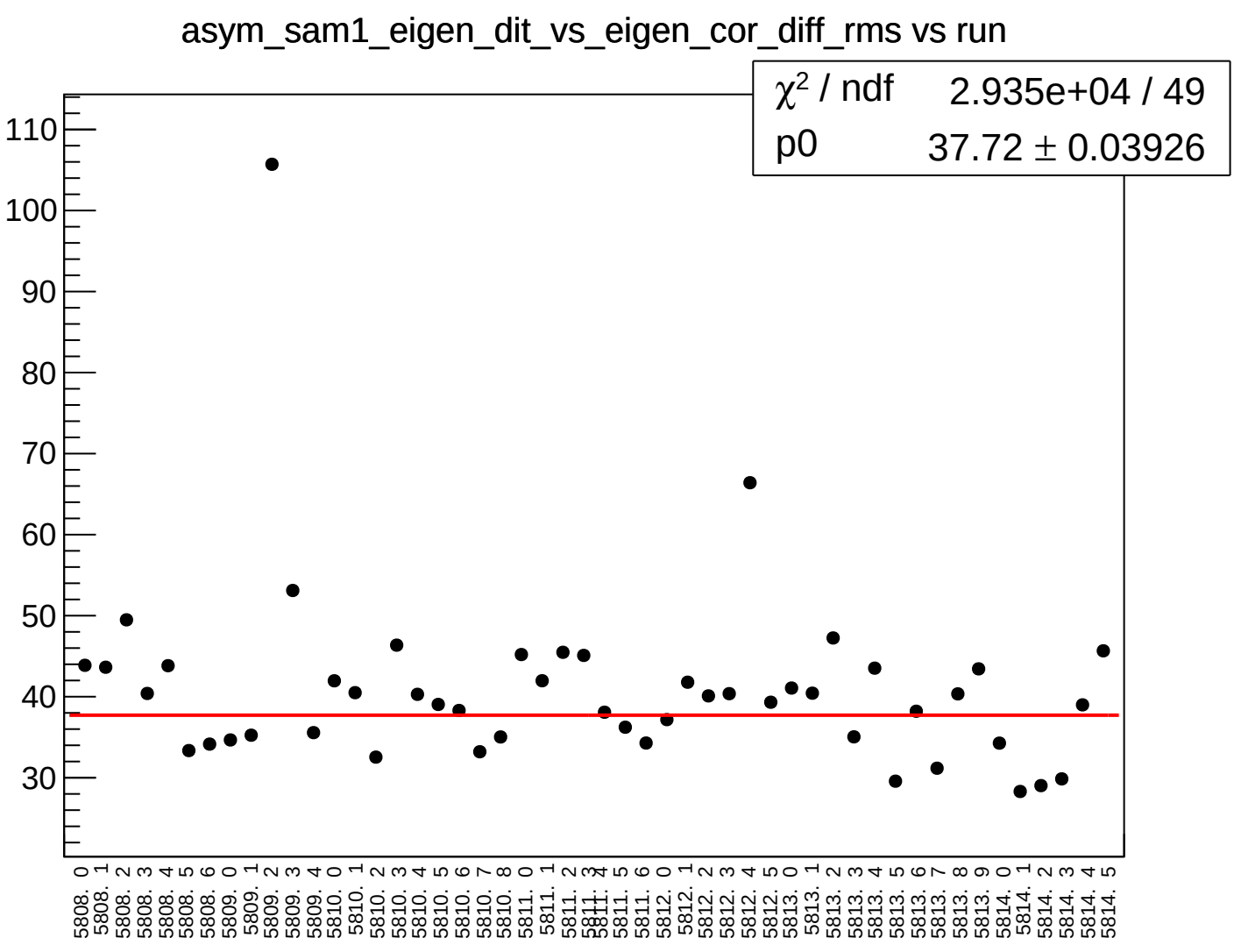

pull1D
Entries 50
Mean 0.001073
Std Dev 0.8987
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

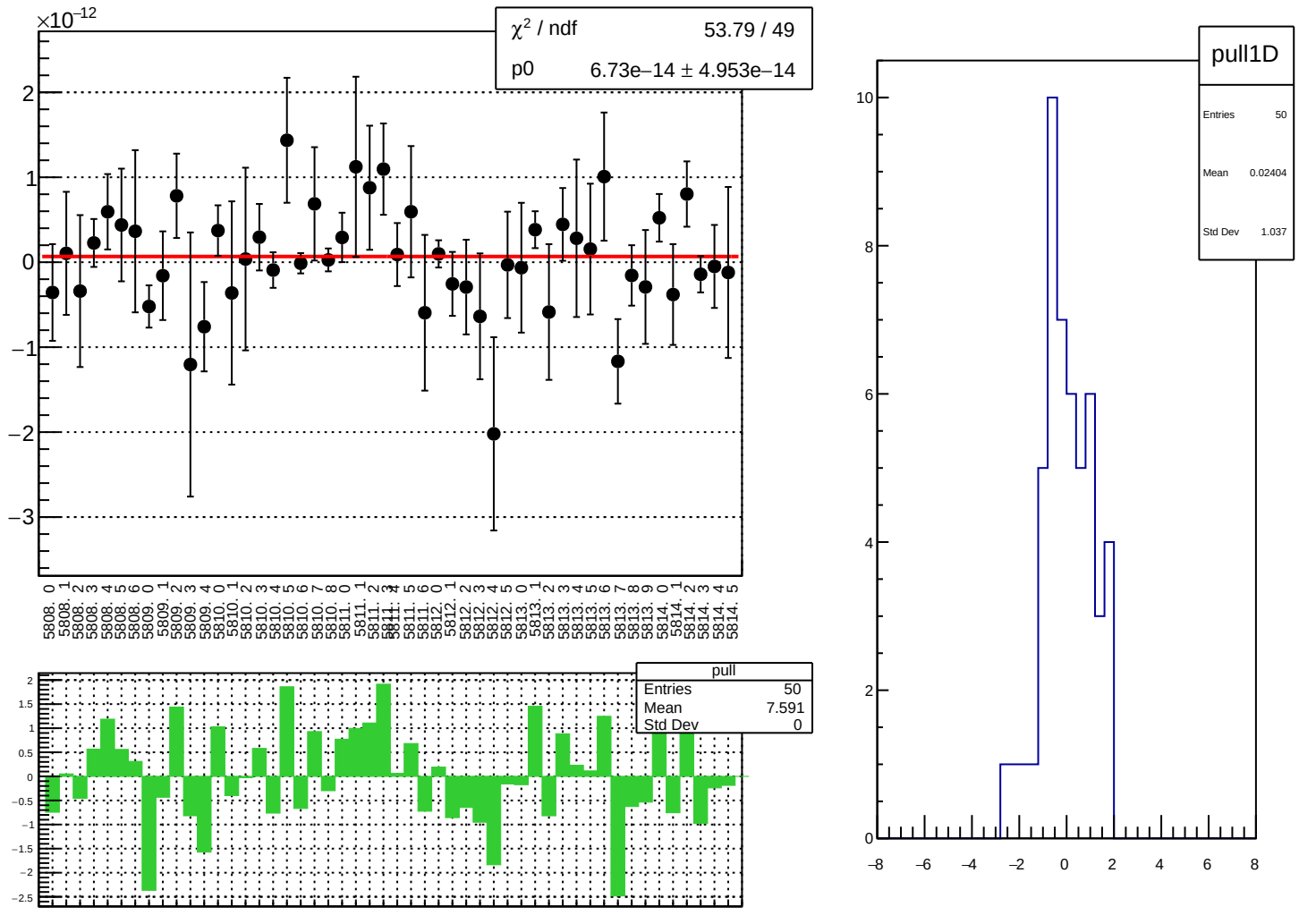

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1974 / 49
p0 0.001542 ± 1.582e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

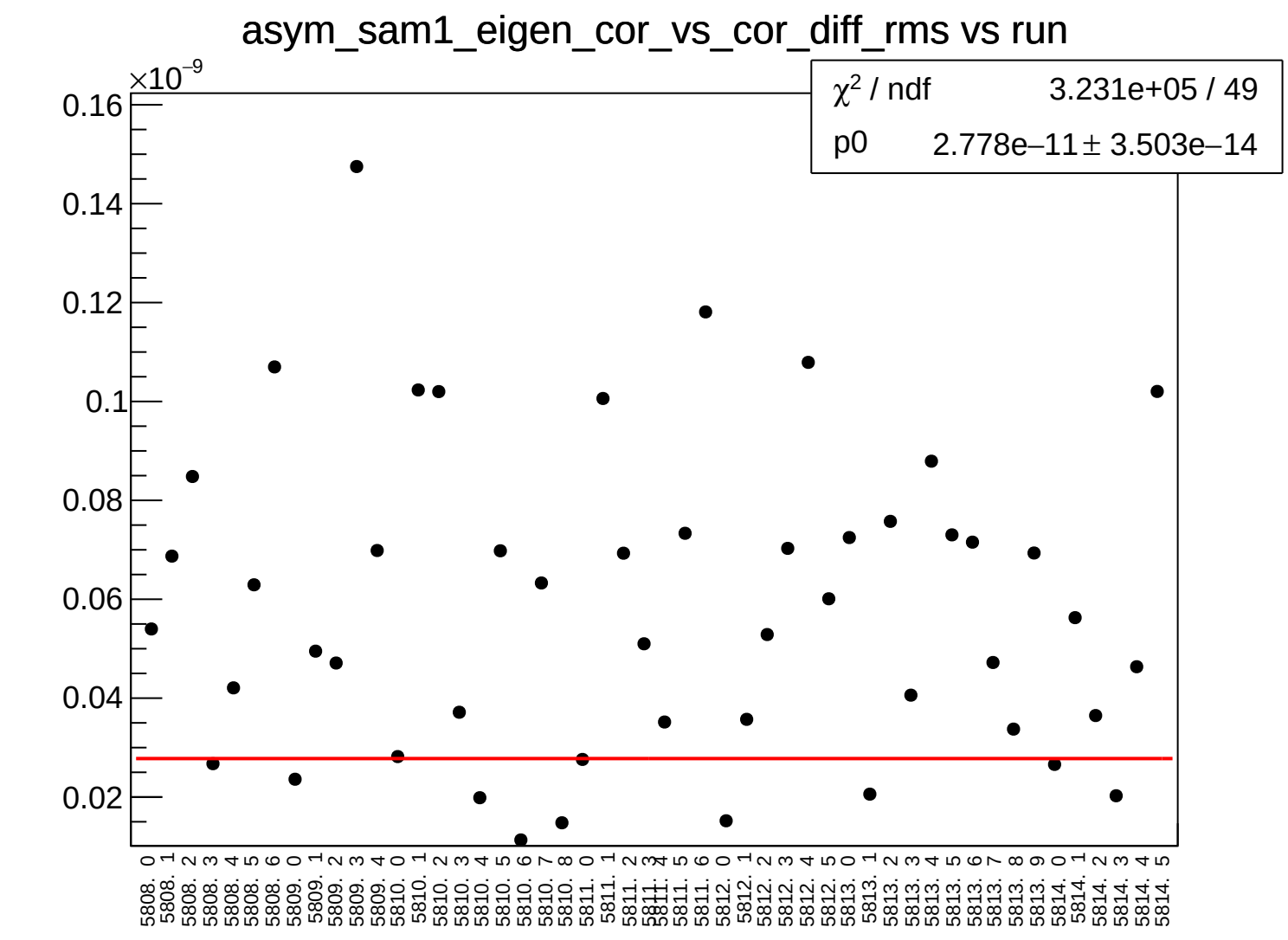

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.05 / 49
p0 0.007806 ± 0.05553
pull
Entries 50
Mean 17.47
Std Dev 41.01
pull1D
Entries 50
Mean 0.01946
Std Dev 1.02

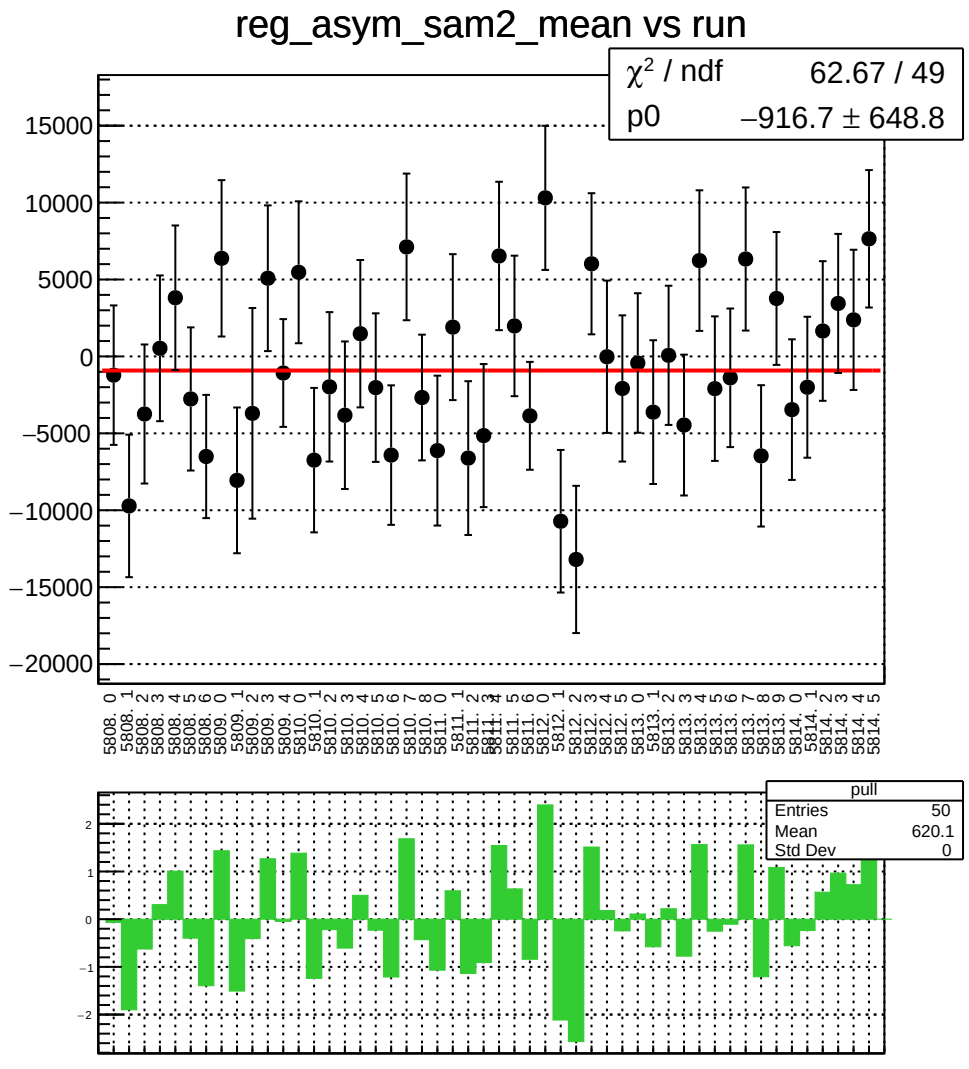

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.935e+04 / 49
p0 37.72 ± 0.03926
110
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

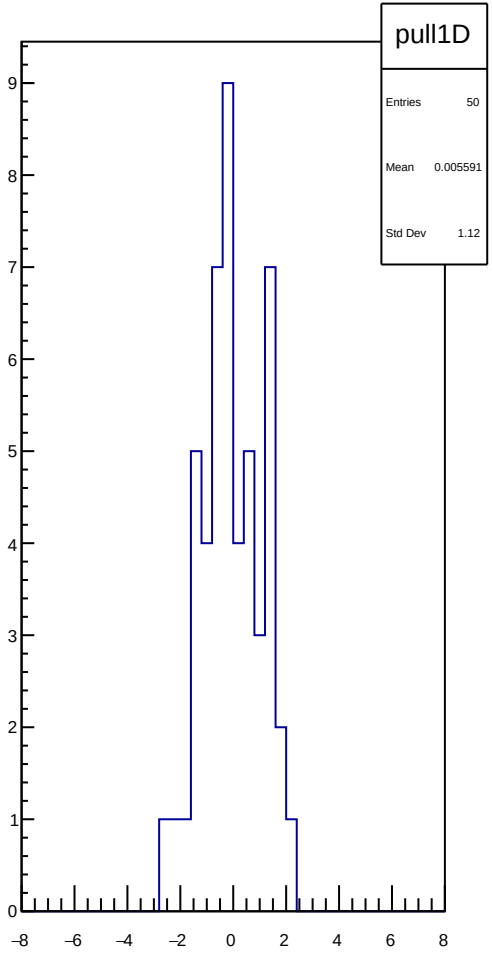

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.05 / 49
p0 0.007806 ± 0.05553
pull
Entries 50
Mean 17.47
Std Dev 41.01
pull1D
Entries 50
Mean 0.01946
Std Dev 1.02

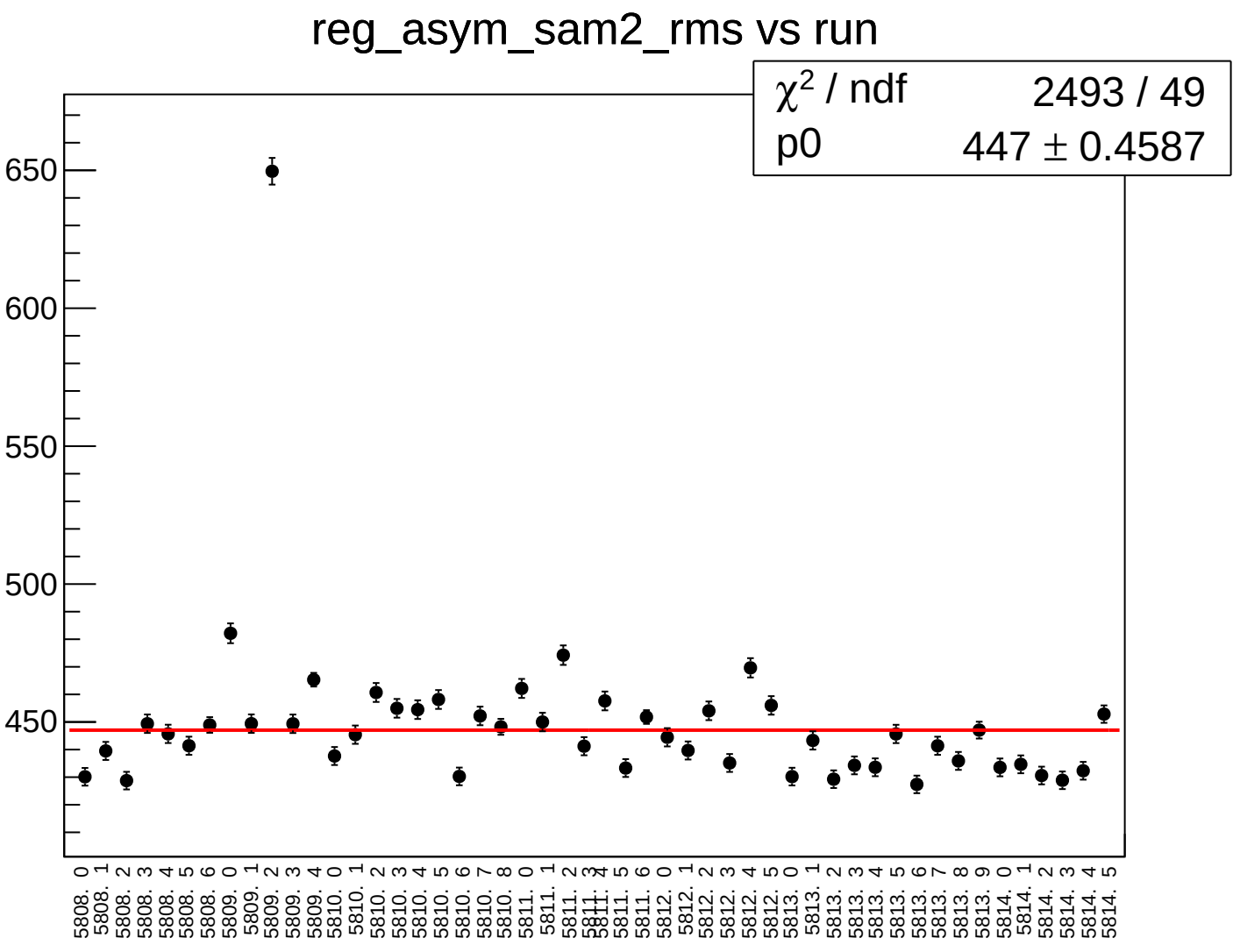

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.935e+04 / 49
p0 37.72 ± 0.03926
110
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 53.79 / 49
p0 6.73e−14 ± 4.953e−14
pull
Entries 50
Mean 7.591
Std Dev 0
pull1D
Entries 50
Mean 0.02404
Std Dev 1.037


asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.231e+05 / 49
p0 2.778e−11 ± 3.503e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam2_mean vs run
χ² / ndf 62.67 / 49
p0 −916.7 ± 648.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 620.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.005591
Std Dev 1.12
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam2_rms vs run
χ² / ndf 2493 / 49
p0 447 ± 0.4587
650
600
550
500
450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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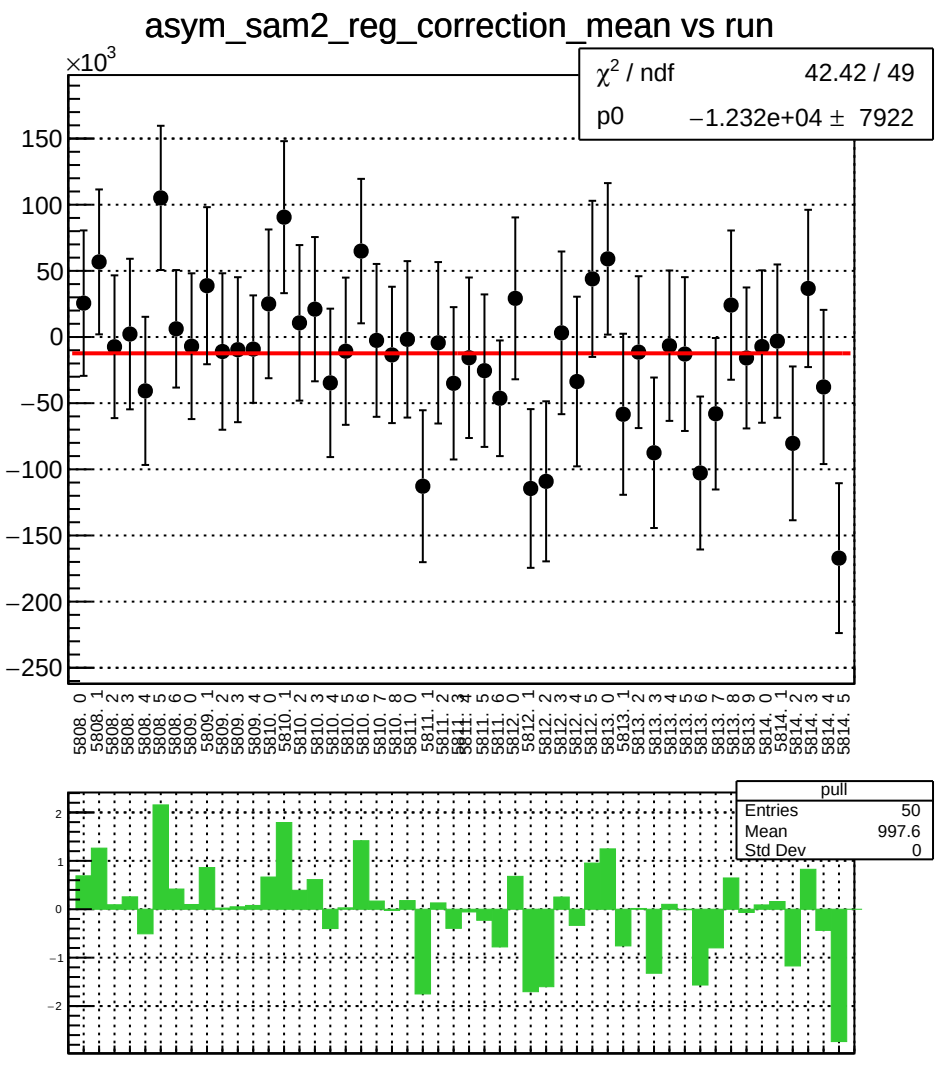
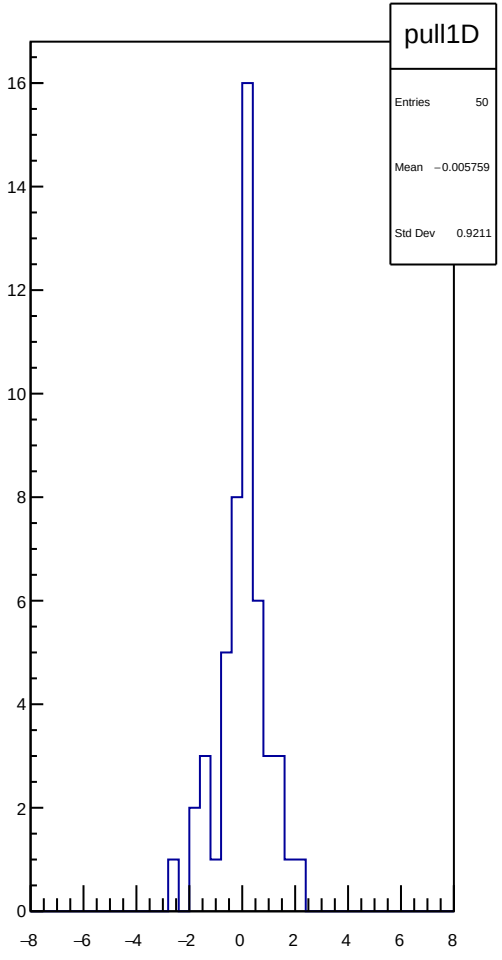
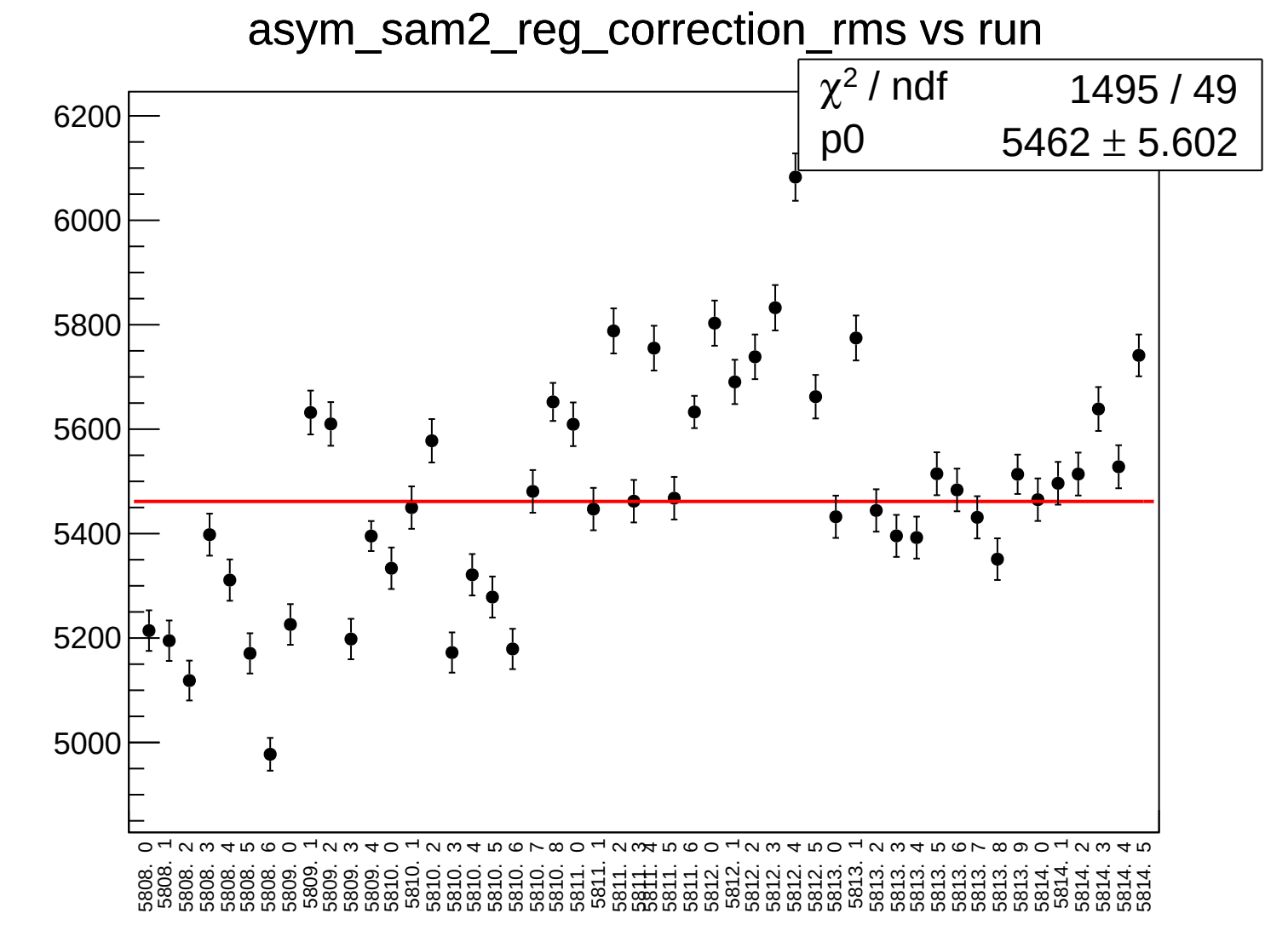
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 42.42 / 49
p0 −1.232e+04 ± 7922
150
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 997.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.005759
Std Dev 0.9211
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_reg_correction_rms vs run
χ² / ndf 1495 / 49
p0 5462 ± 5.602
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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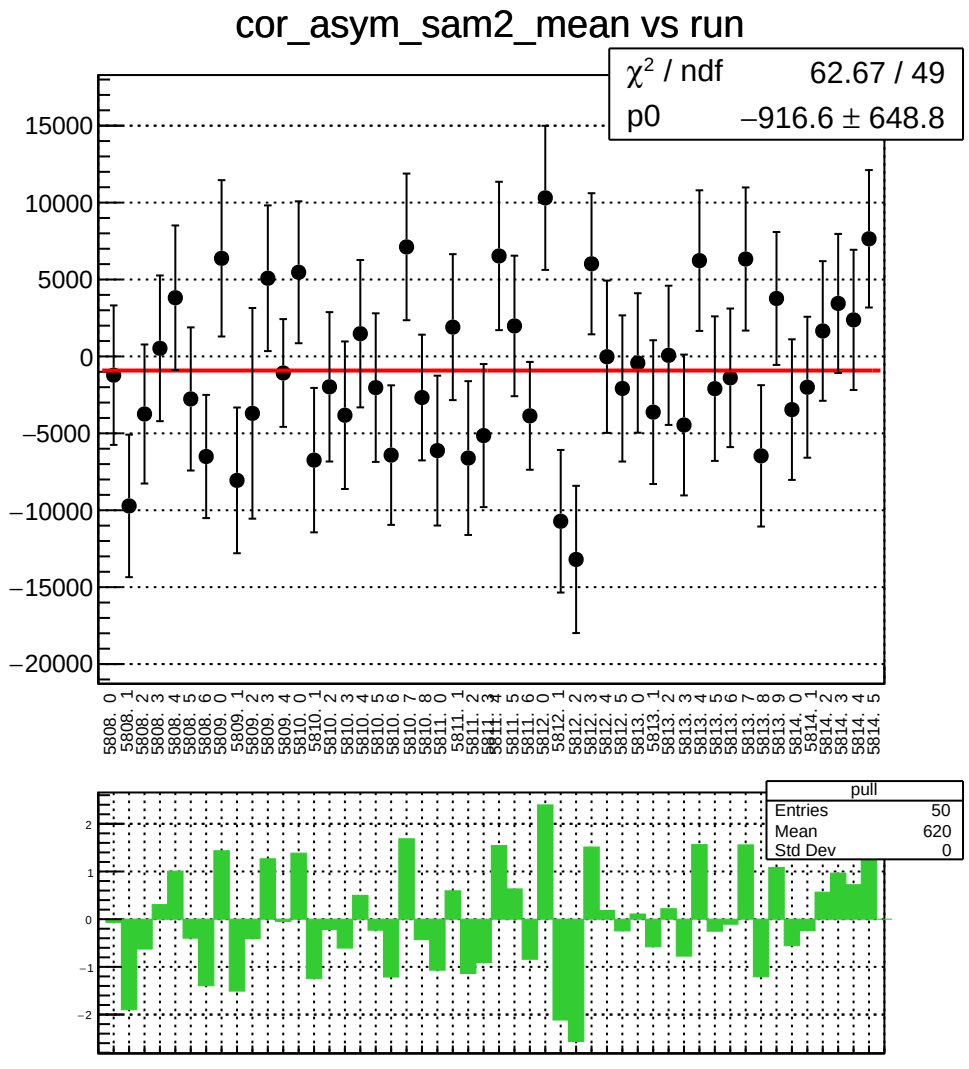
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam2_mean vs run
χ² / ndf 62.67 / 49
p0 −916.6 ± 648.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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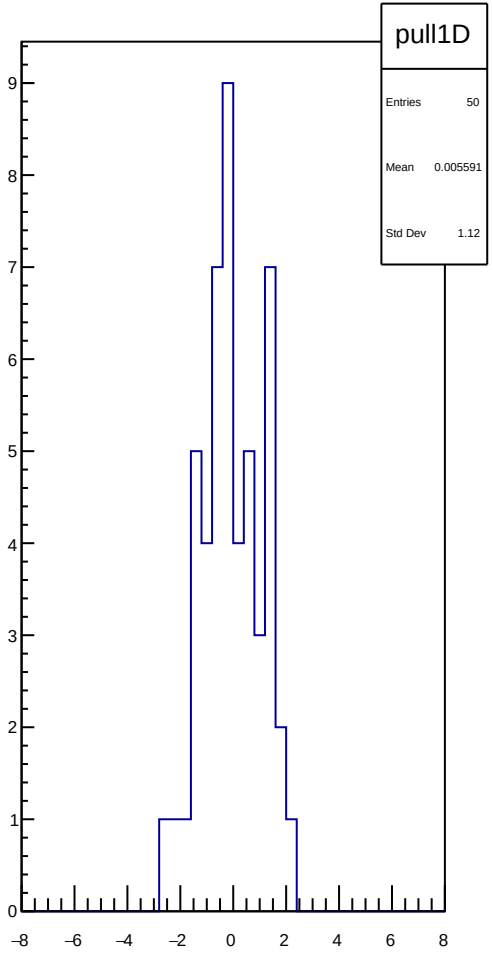
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 620
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.005591
Std Dev 1.12
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8
7
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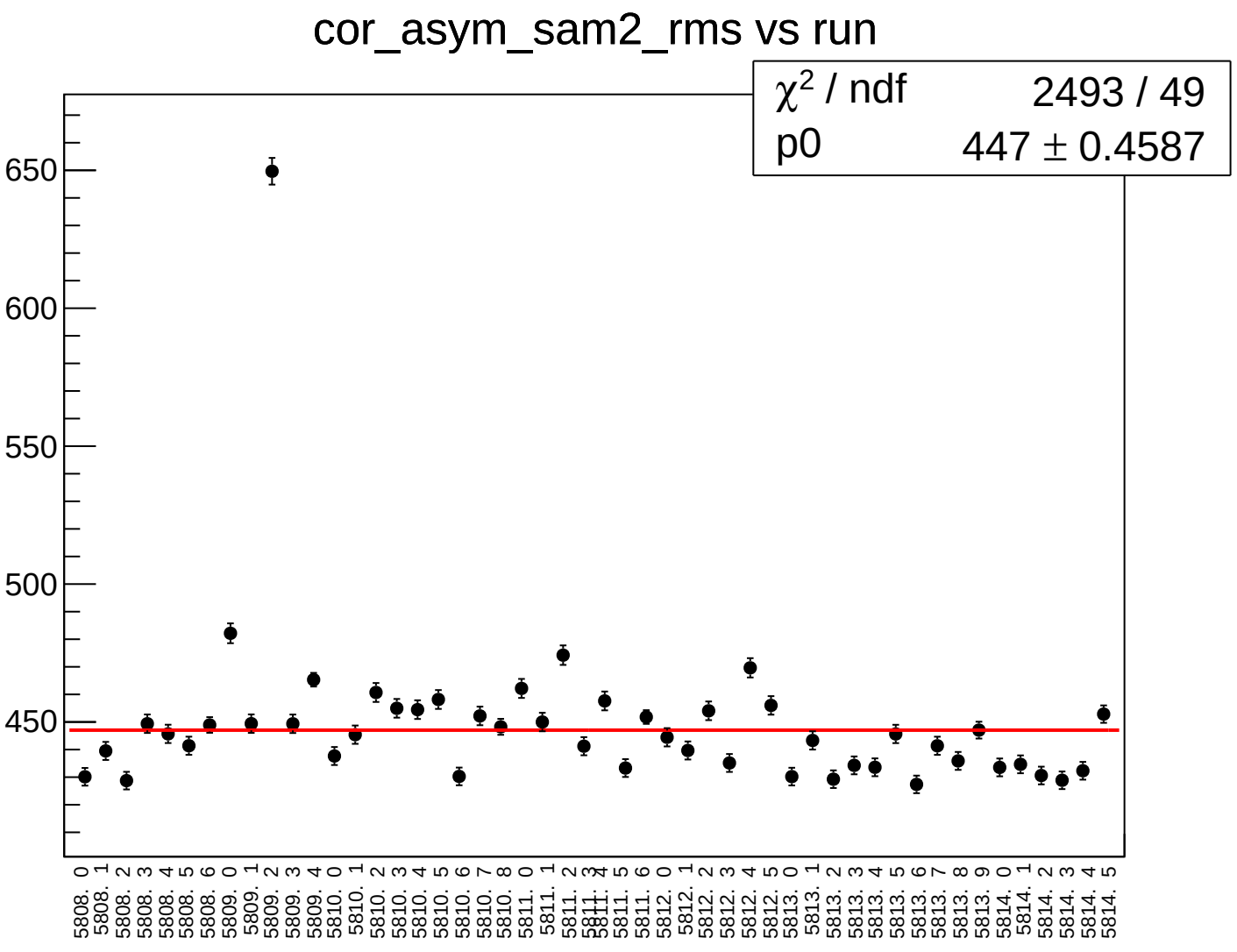
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam2_rms vs run
χ² / ndf 2493 / 49
p0 447 ± 0.4587
650
600
550
500
450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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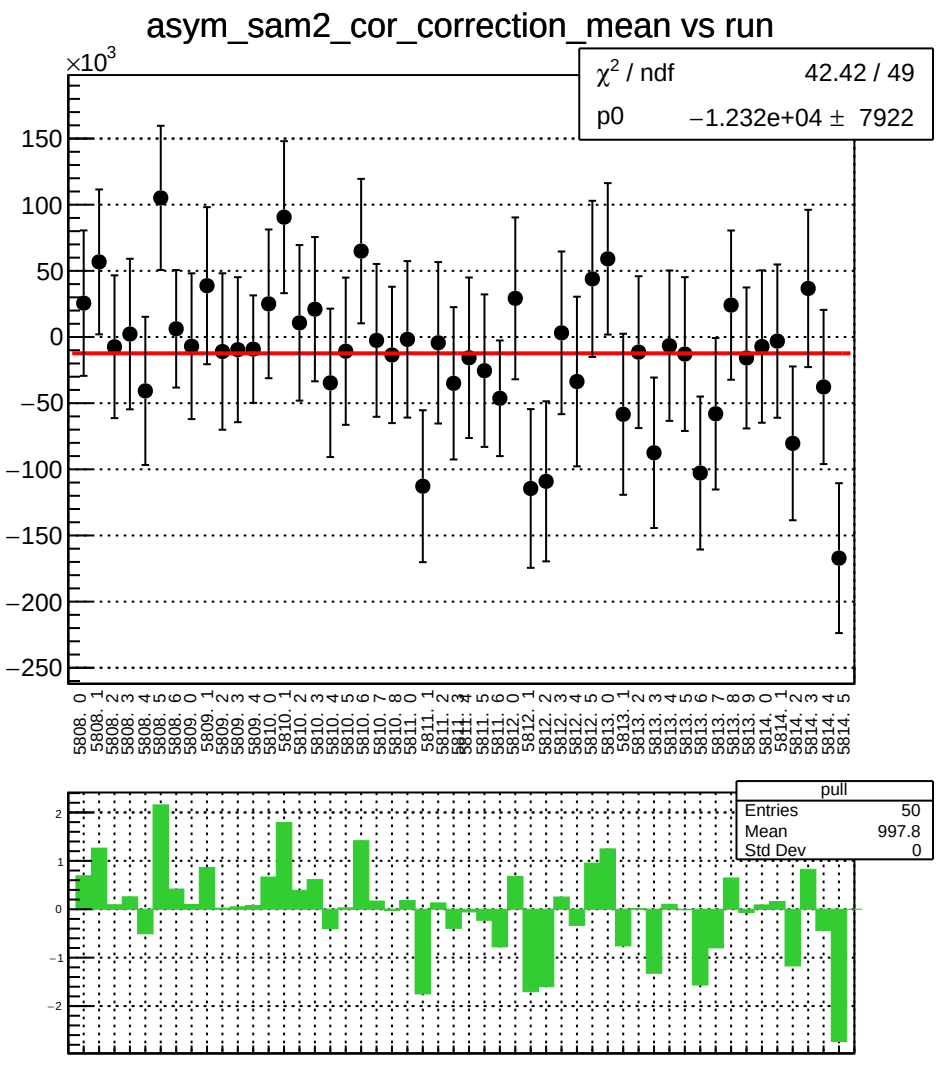
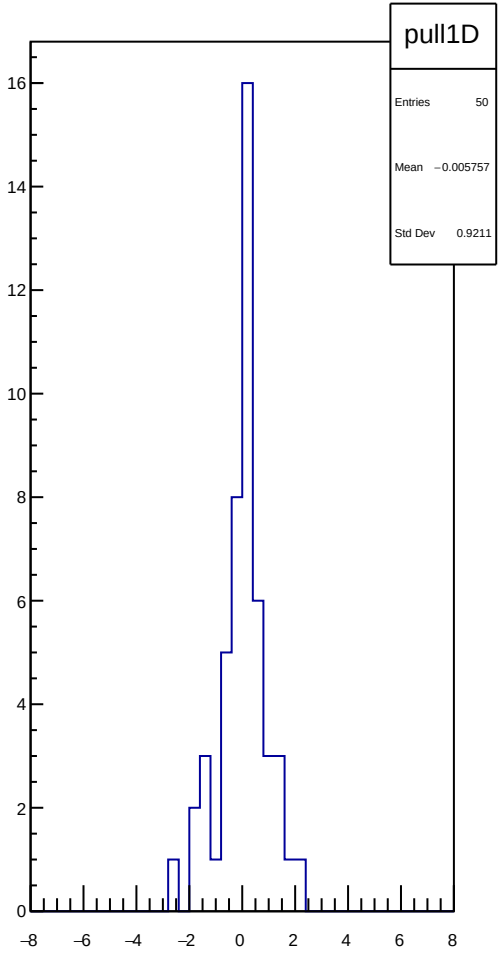
5814. 4
5814. 5


asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 42.42 / 49
p0 −1.232e+04 ± 7922
150
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 997.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.005757
Std Dev 0.9211
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14
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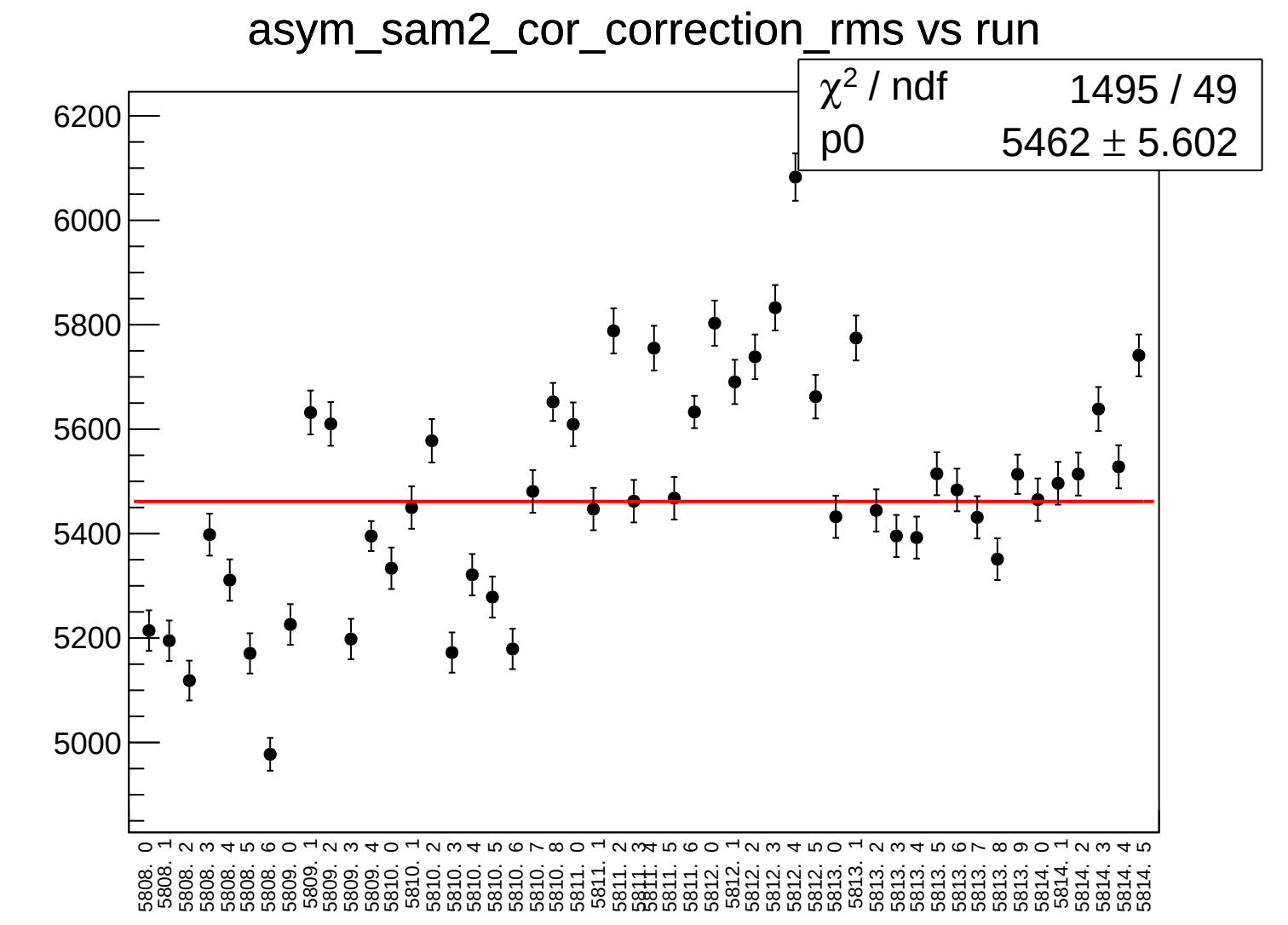
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam2_cor_correction_rms vs run
χ² / ndf 1495 / 49
p0 5462 ± 5.602
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
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5814. 2
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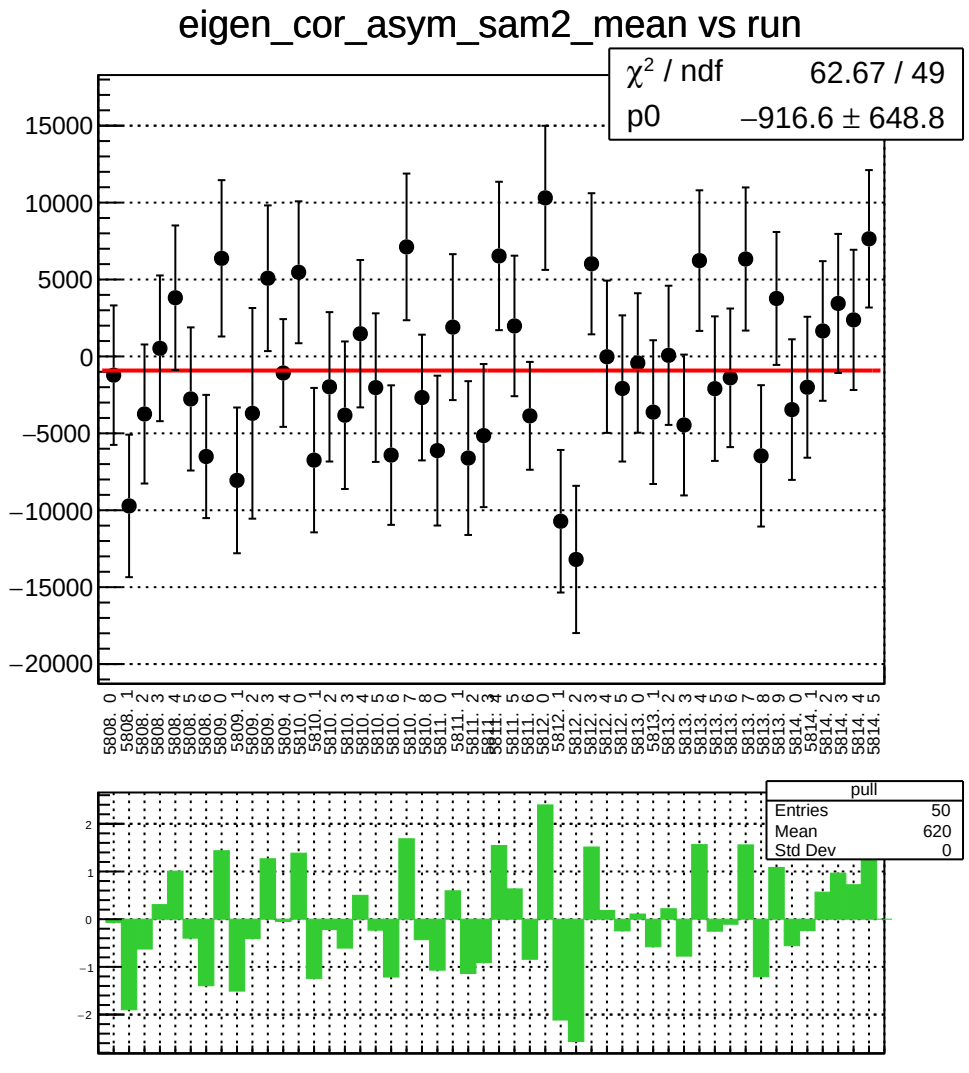
5814. 4
5814. 5


eigen_cor_asym_sam2_mean vs run
χ² / ndf 62.67 / 49
p0 −916.6 ± 648.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 620
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.005591
Std Dev 1.12
9
8
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5
4
3
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−4
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6
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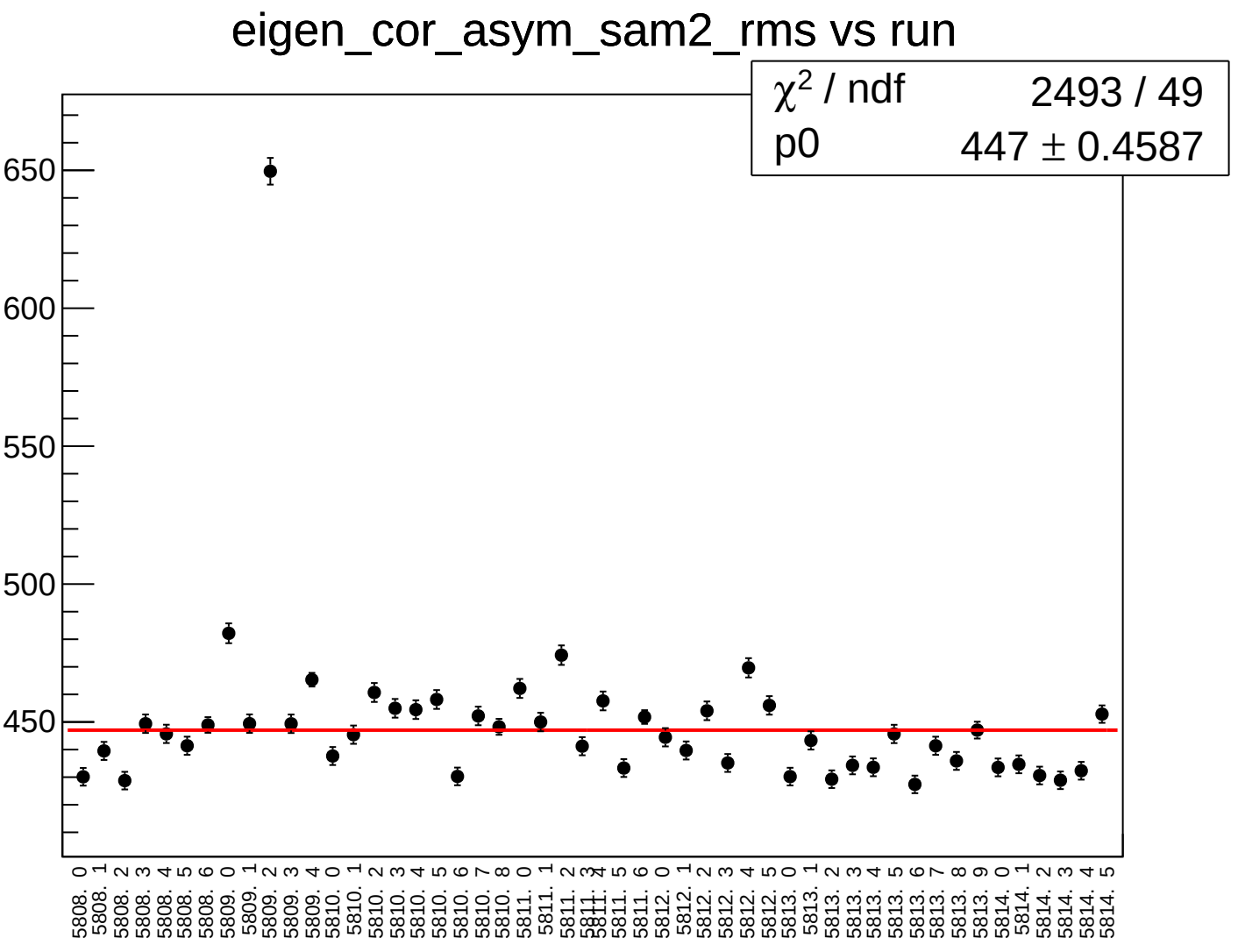
eigen_cor_asym_sam2_rms vs run
χ² / ndf 2493 / 49
p0 447 ± 0.4587
650
600
550
500
450
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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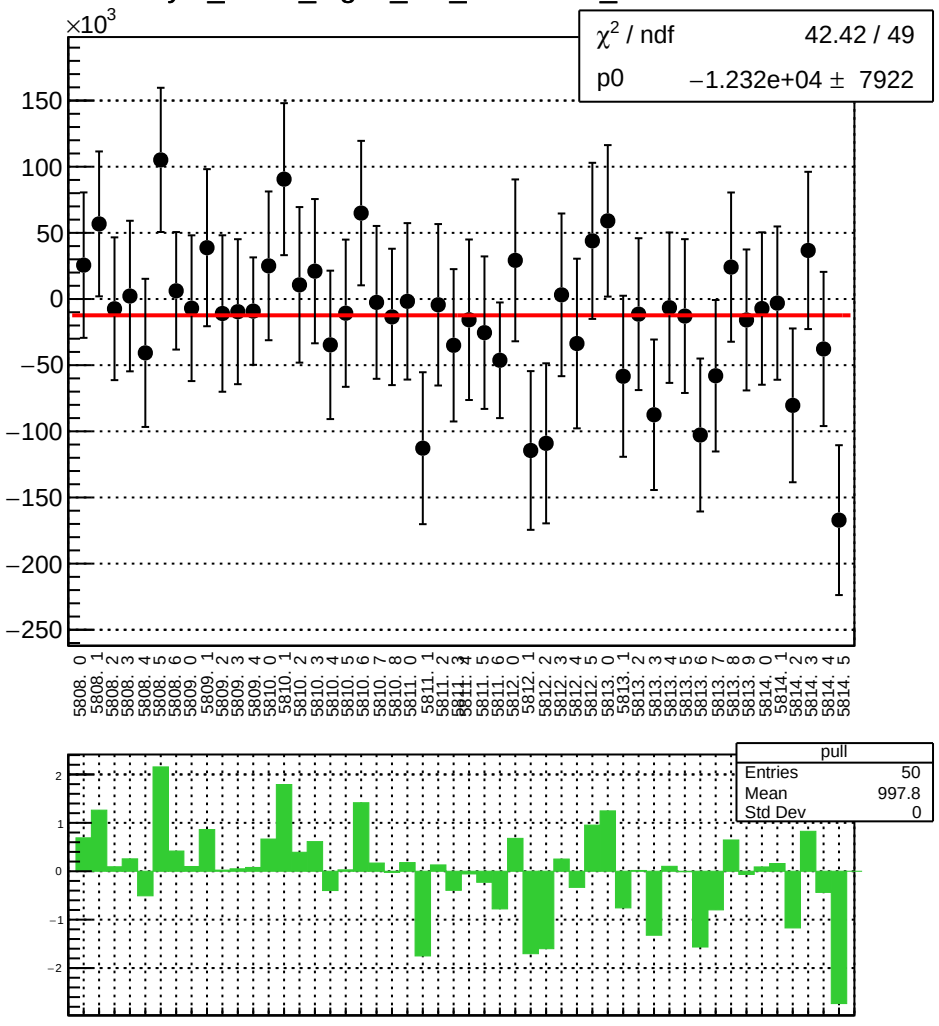
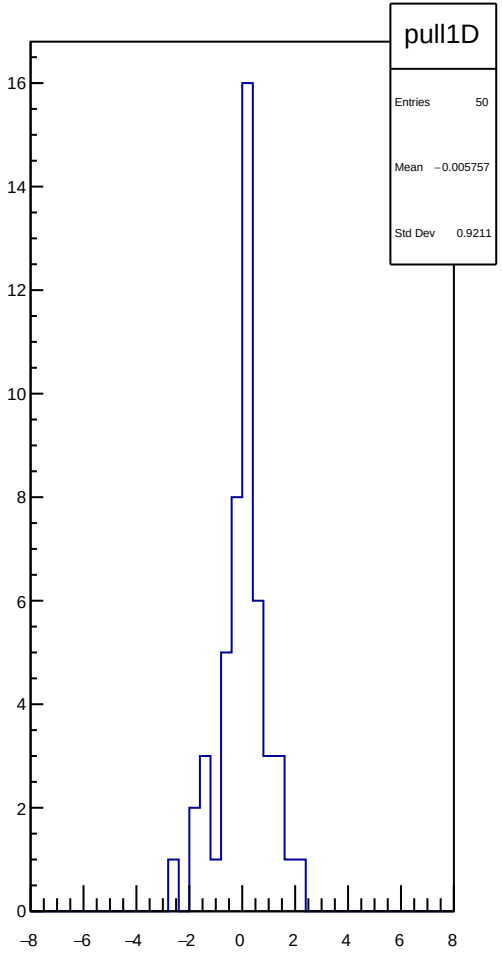
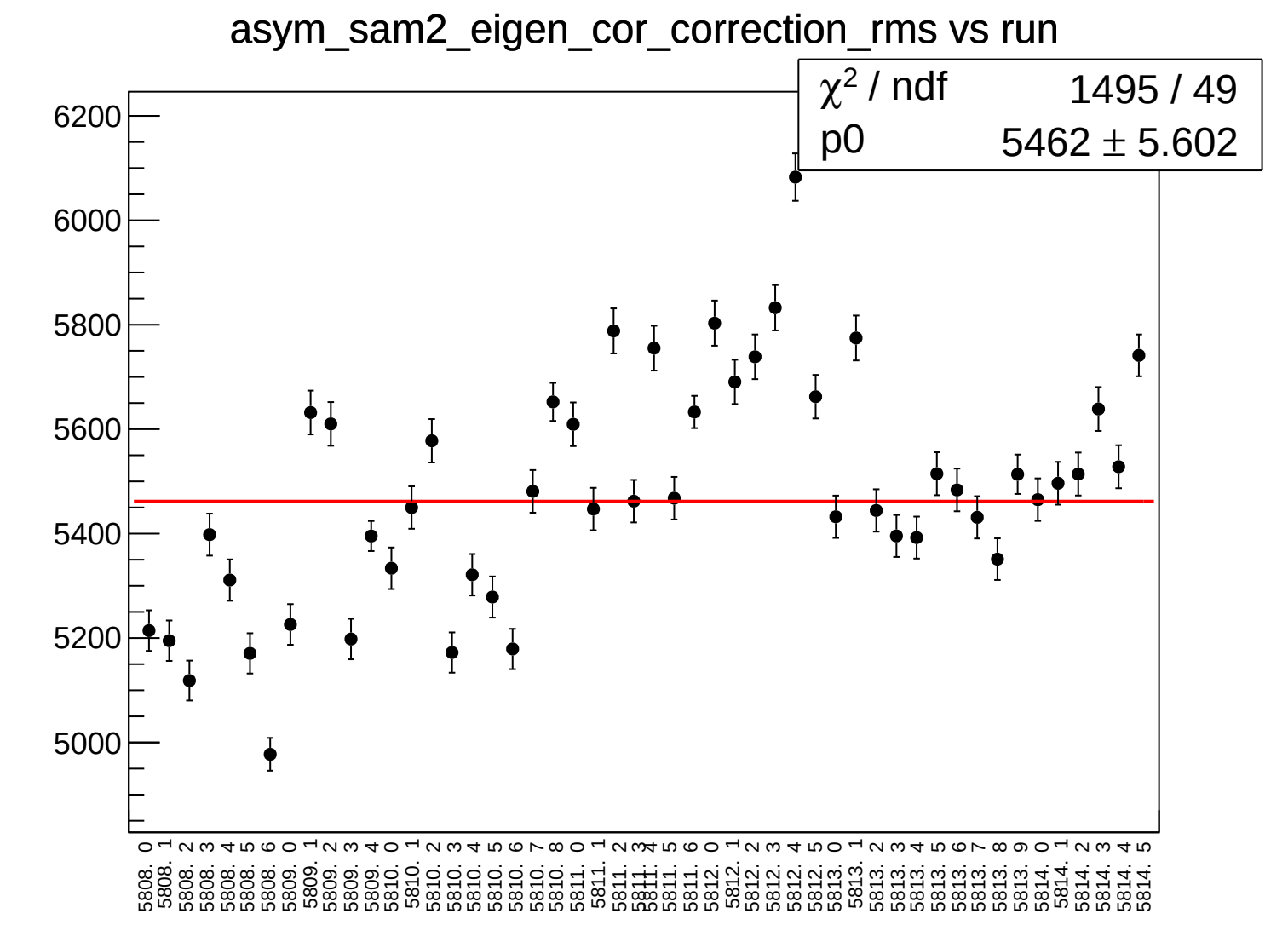
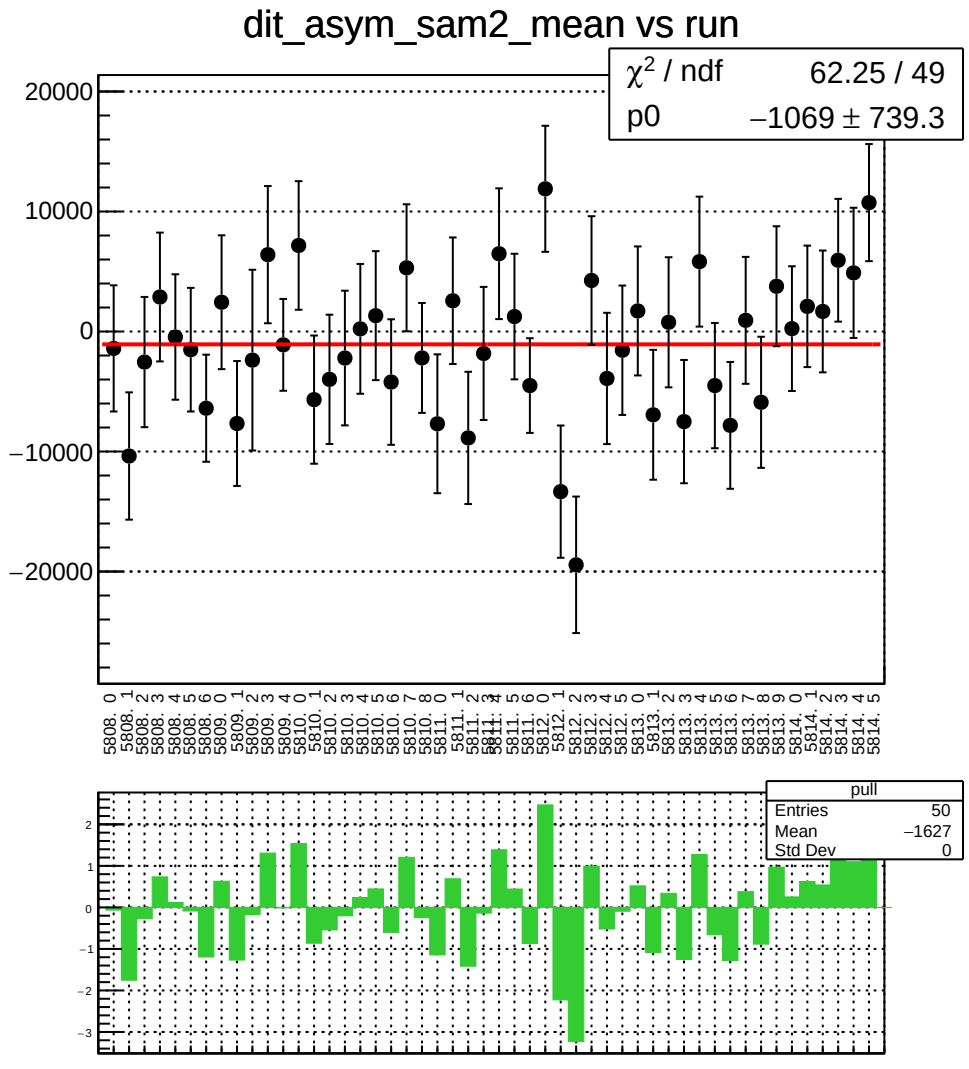
5814. 4
5814. 5


asym_sam2_eigen_cor_correction_mean vs run
χ² / ndf 42.42 / 49
p0 −1.232e+04 ± 7922
pull
Entries 50
Mean 997.8
Std Dev 0


pull1D
Entries 50
Mean −0.005757
Std Dev 0.9211


asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 1495 / 49
p0 5462 ± 5.602
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam2_mean vs run
χ² / ndf 62.25 / 49
p0 −1069 ± 739.3
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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5814. 3
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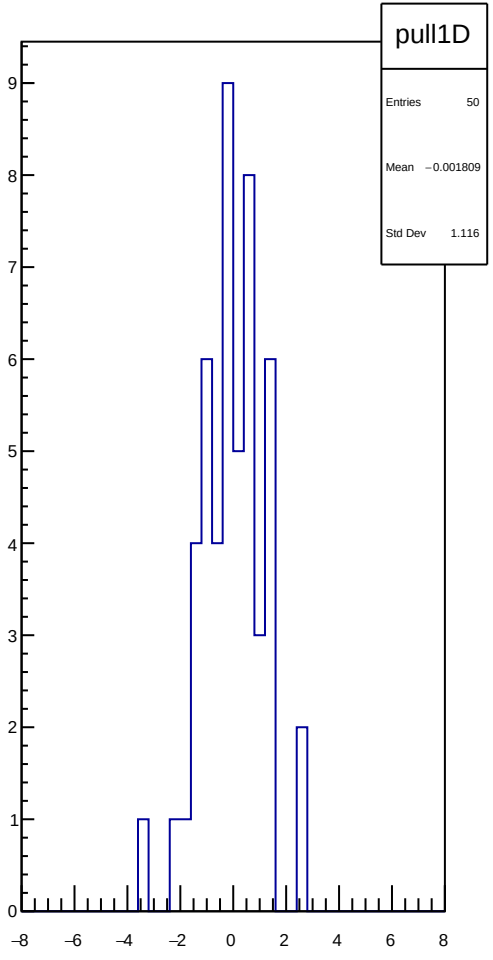
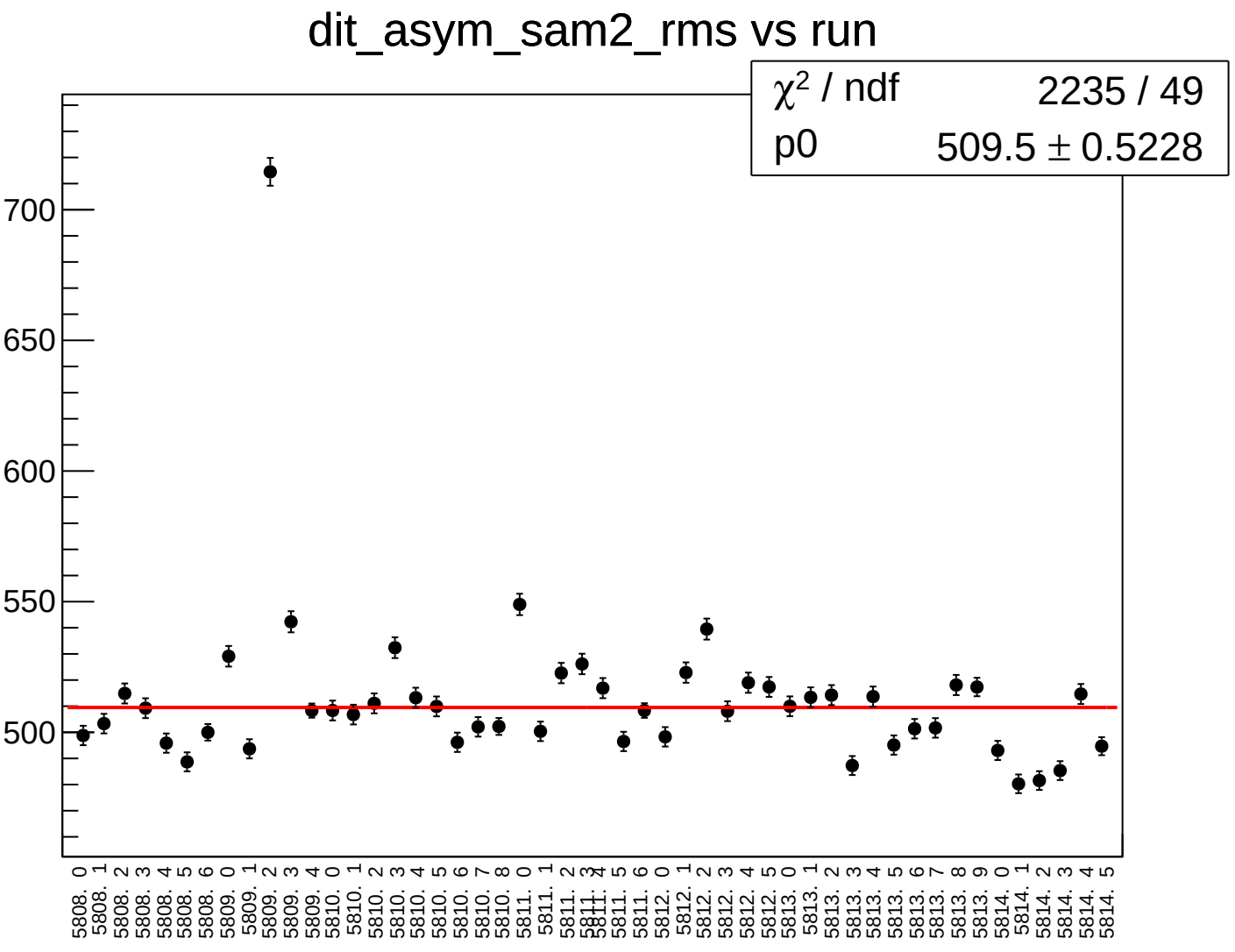
5814. 5
pull
Entries 50
Mean −1627
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.001809
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam2_rms vs run
χ² / ndf 2235 / 49
p0 509.5 ± 0.5228
700
650
600
550
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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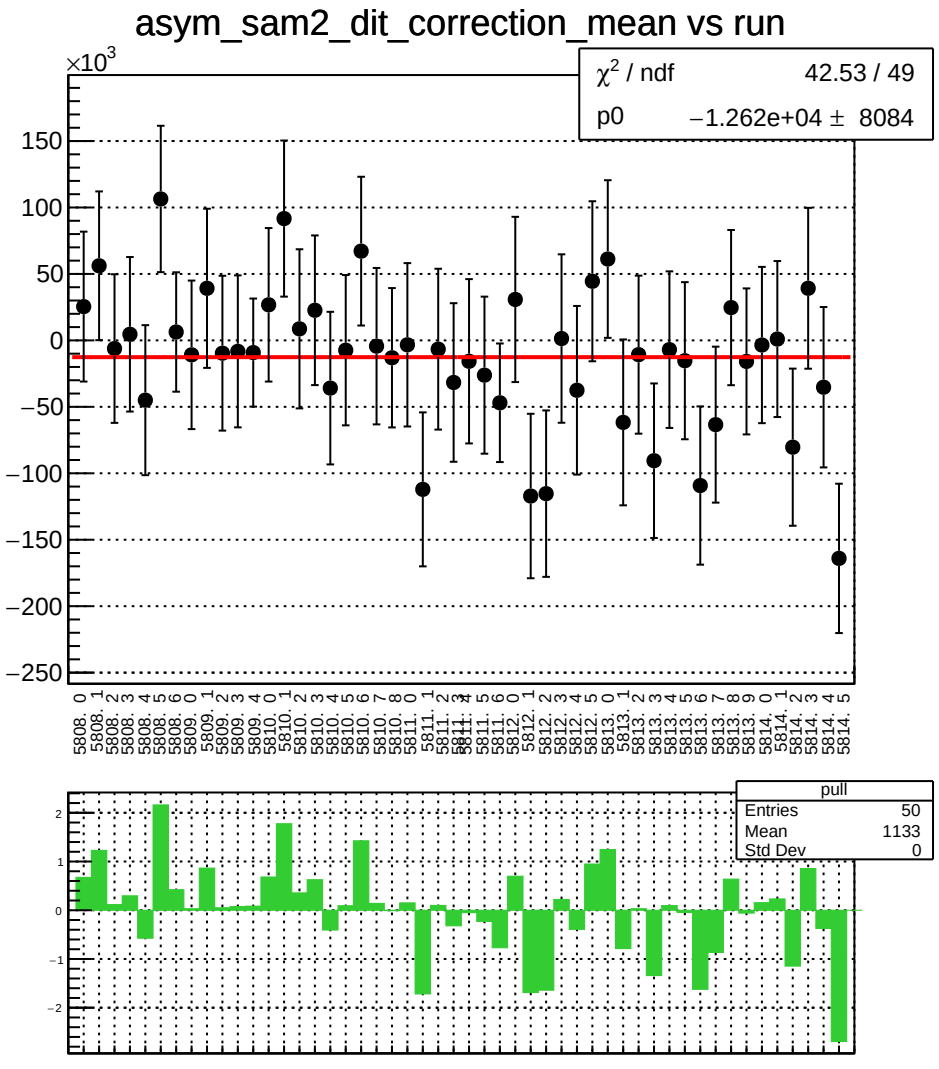
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam2_dit_correction_mean vs run
×10^3
χ² / ndf 42.53 / 49
p0 −1.262e+04 ± 8084
150
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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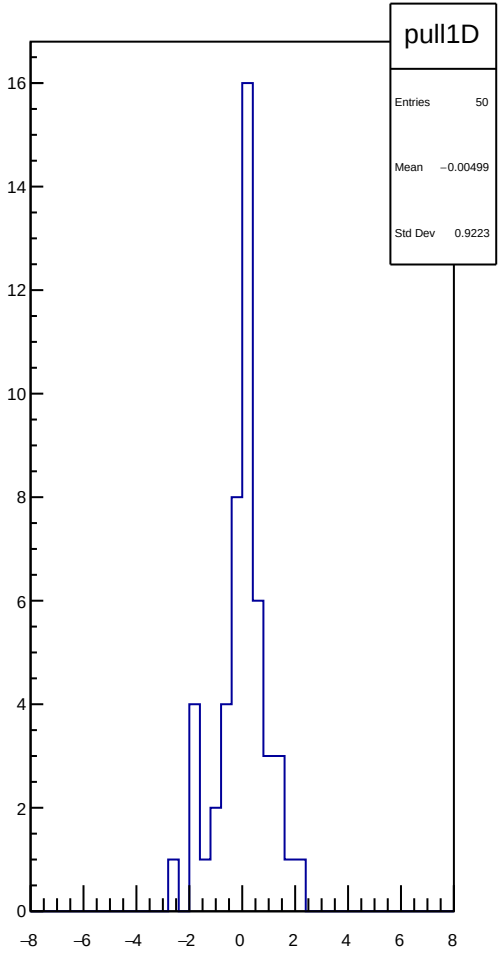
5814. 4
5814. 5
pull
Entries 50
Mean 1133
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.00499
Std Dev 0.9223
16
14
12
10
8
6
4
2
0
−8
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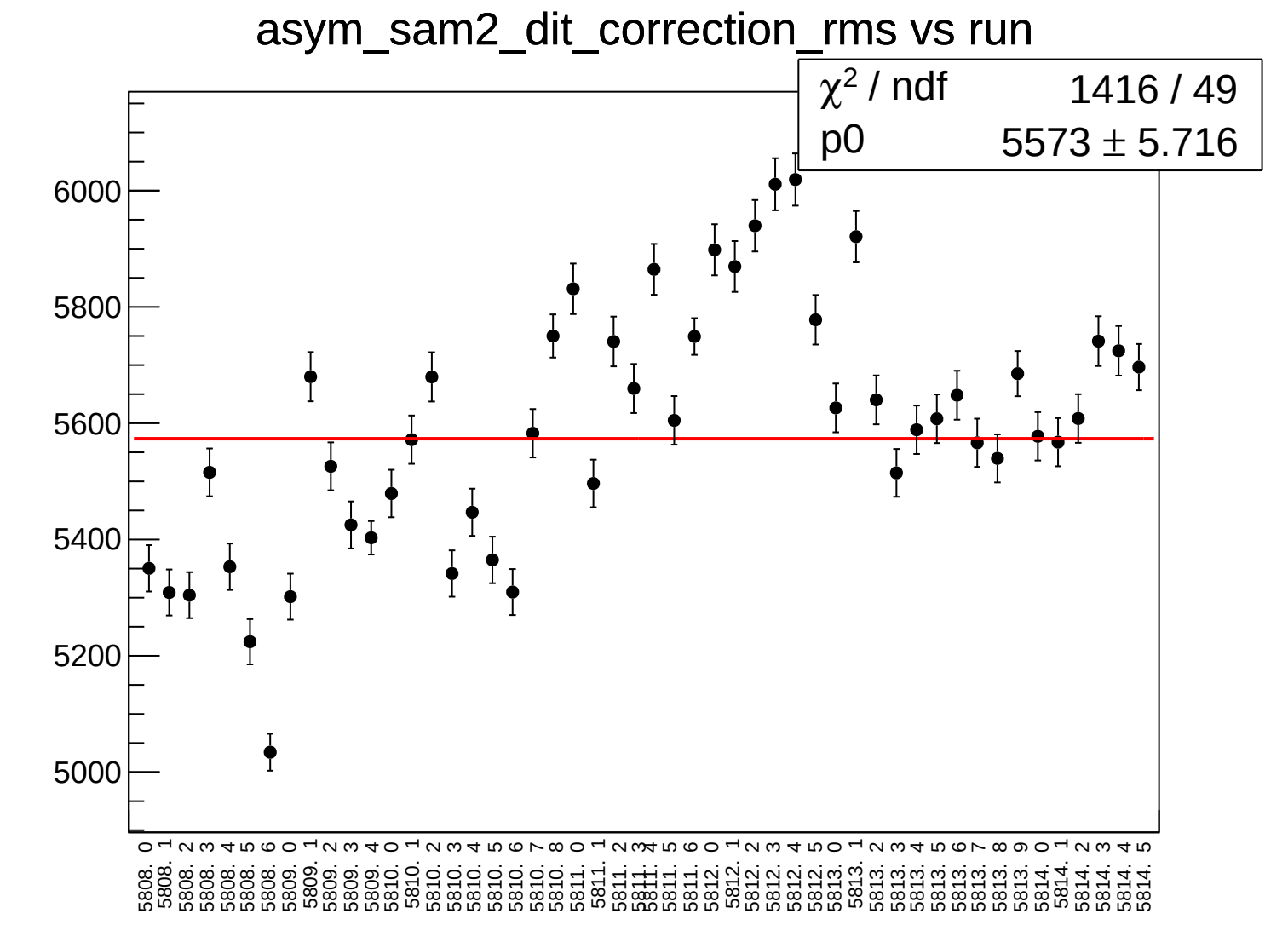
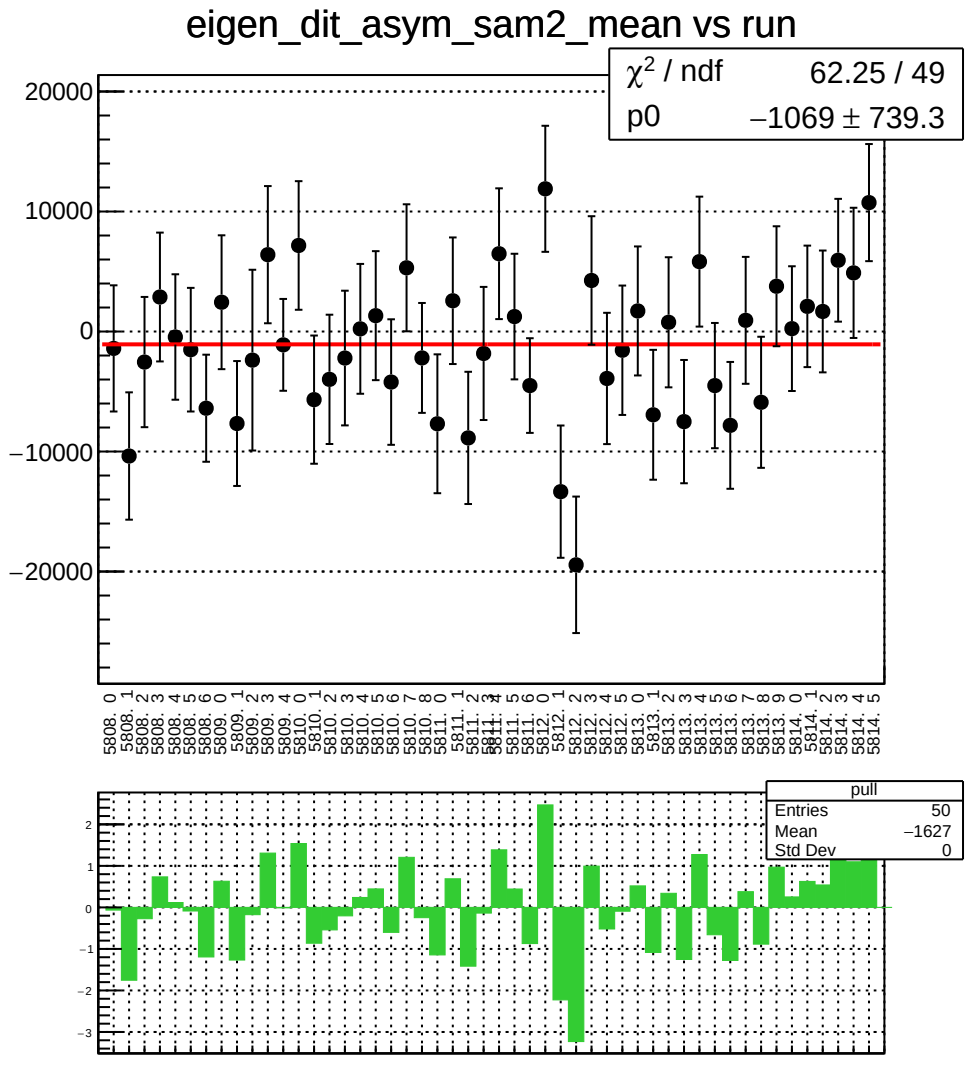
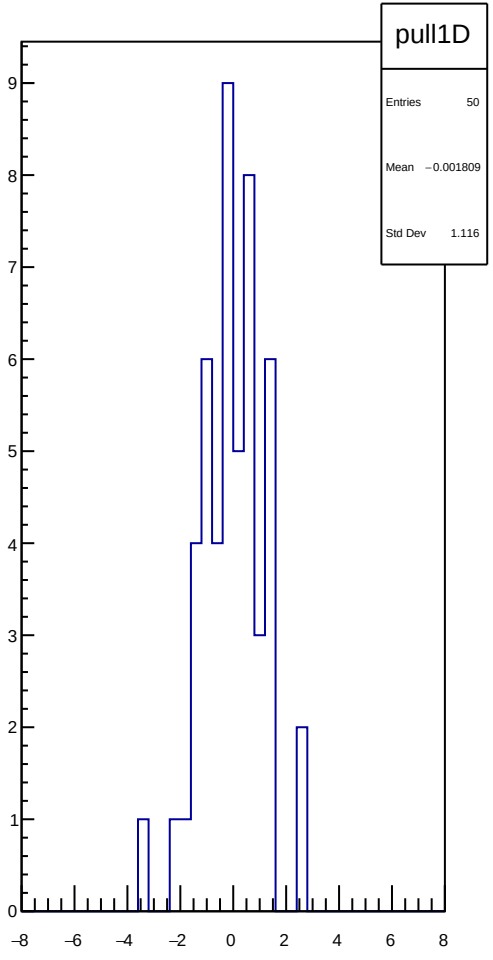
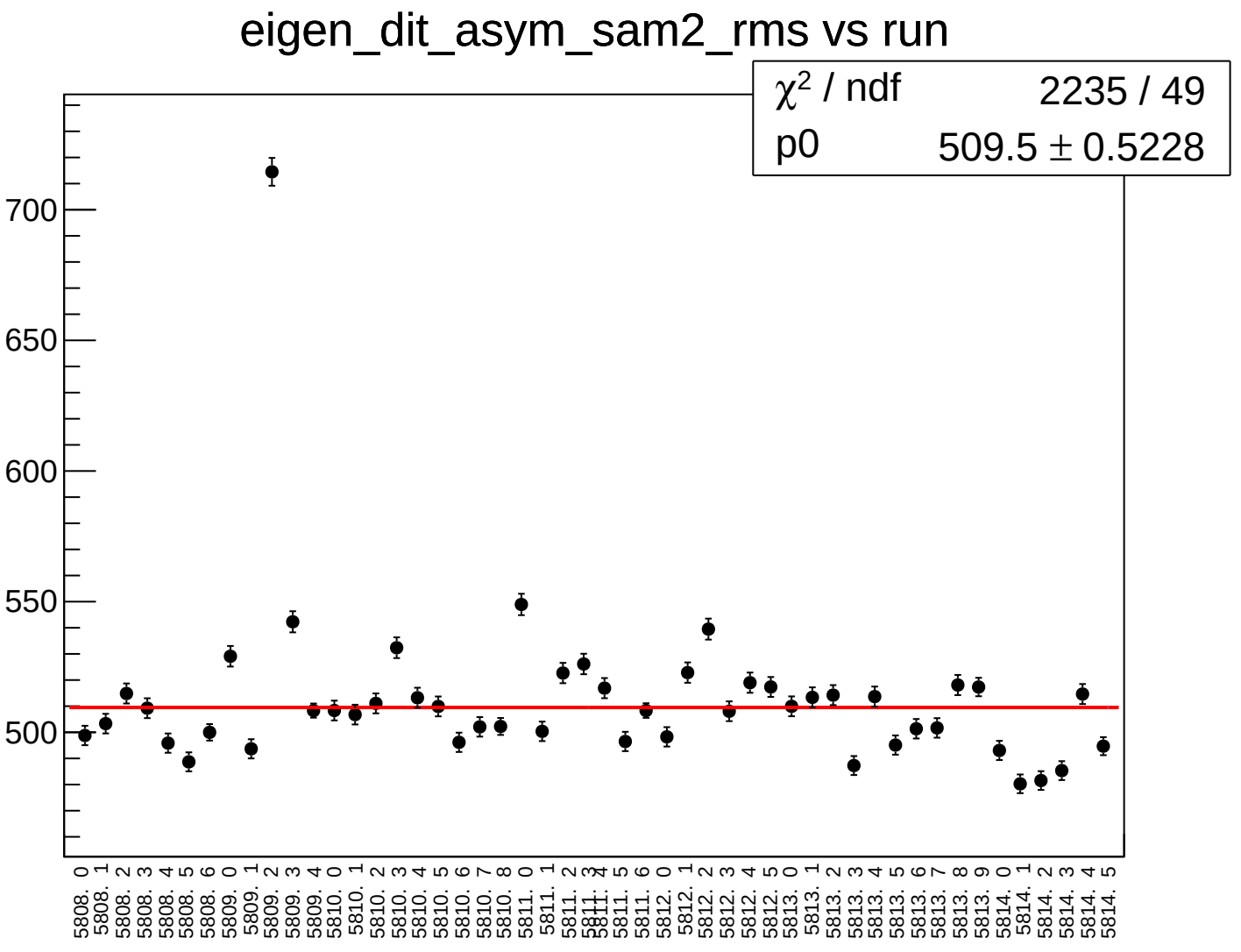
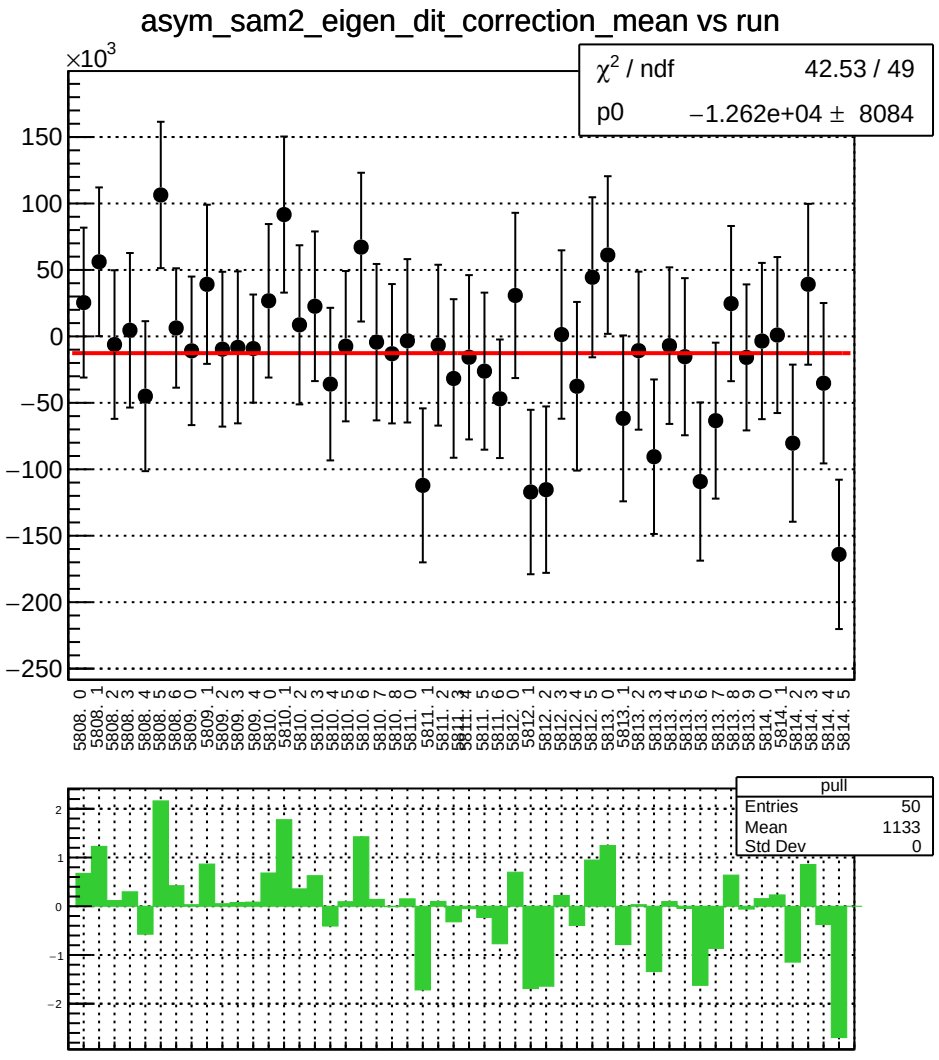
2
4
6
8

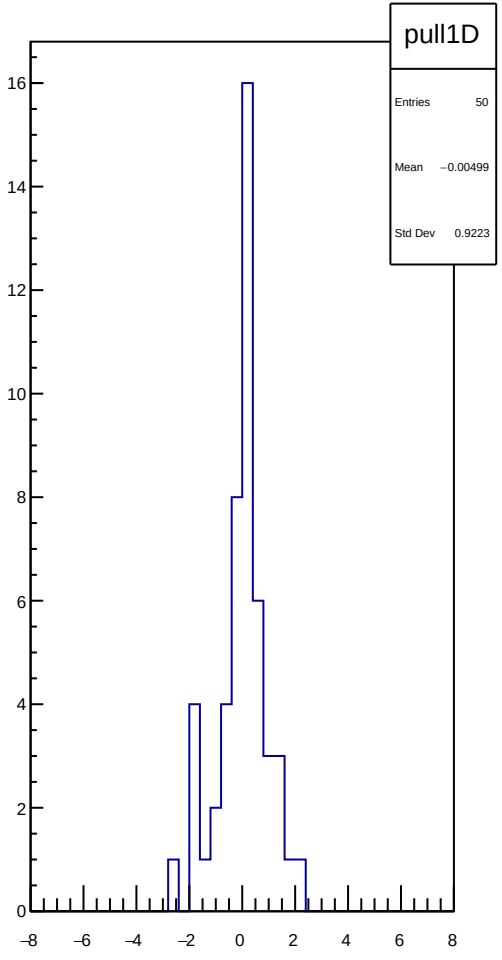

asym_sam2_dit_correction_rms vs run
χ² / ndf 1416 / 49
p0 5573 ± 5.716
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

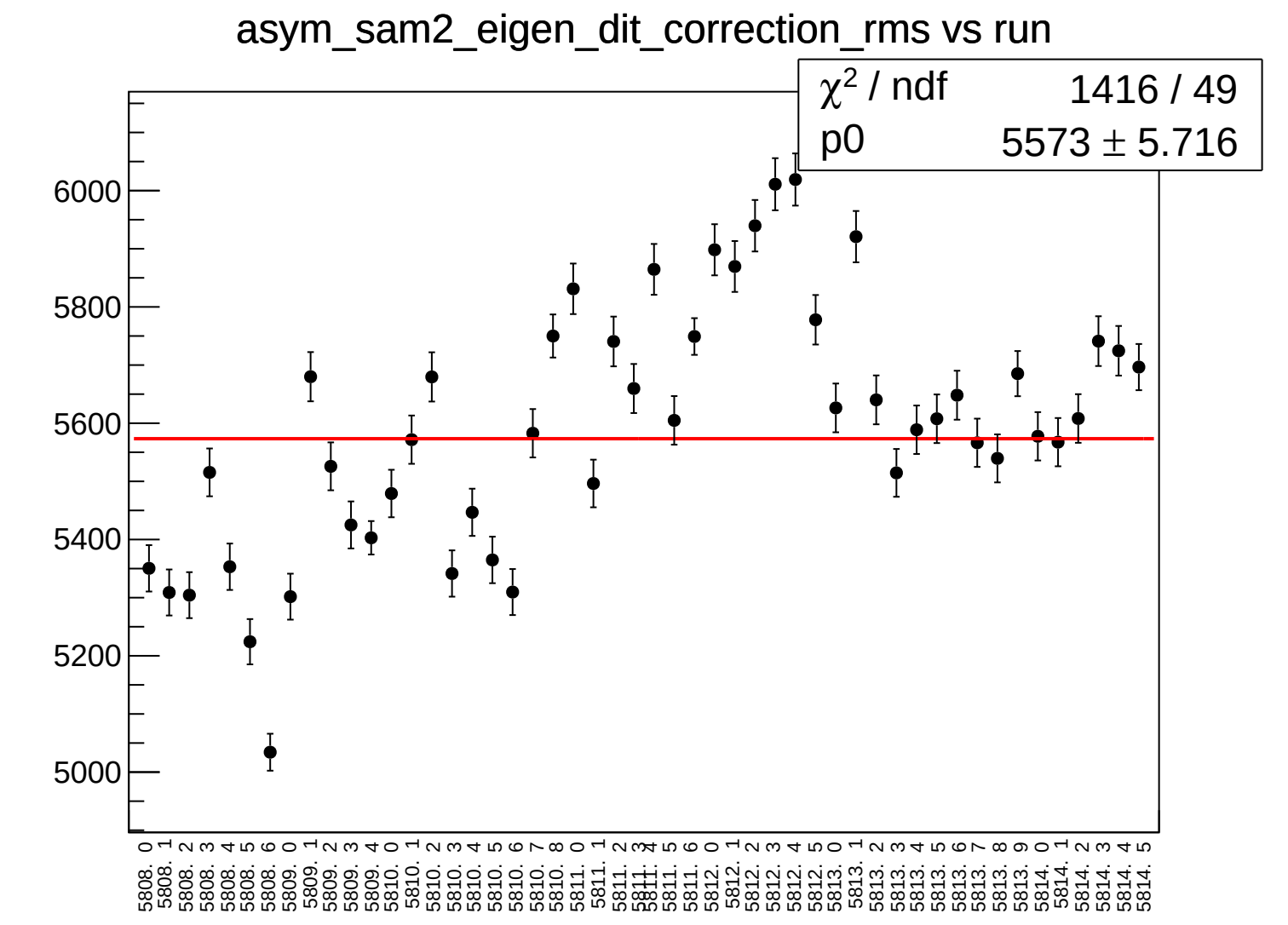

eigen_dit_asym_sam2_mean vs run
χ² / ndf 62.25 / 49
p0 −1069 ± 739.3
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −1627
Std Dev 0
2
1
0
−1
−2
−3

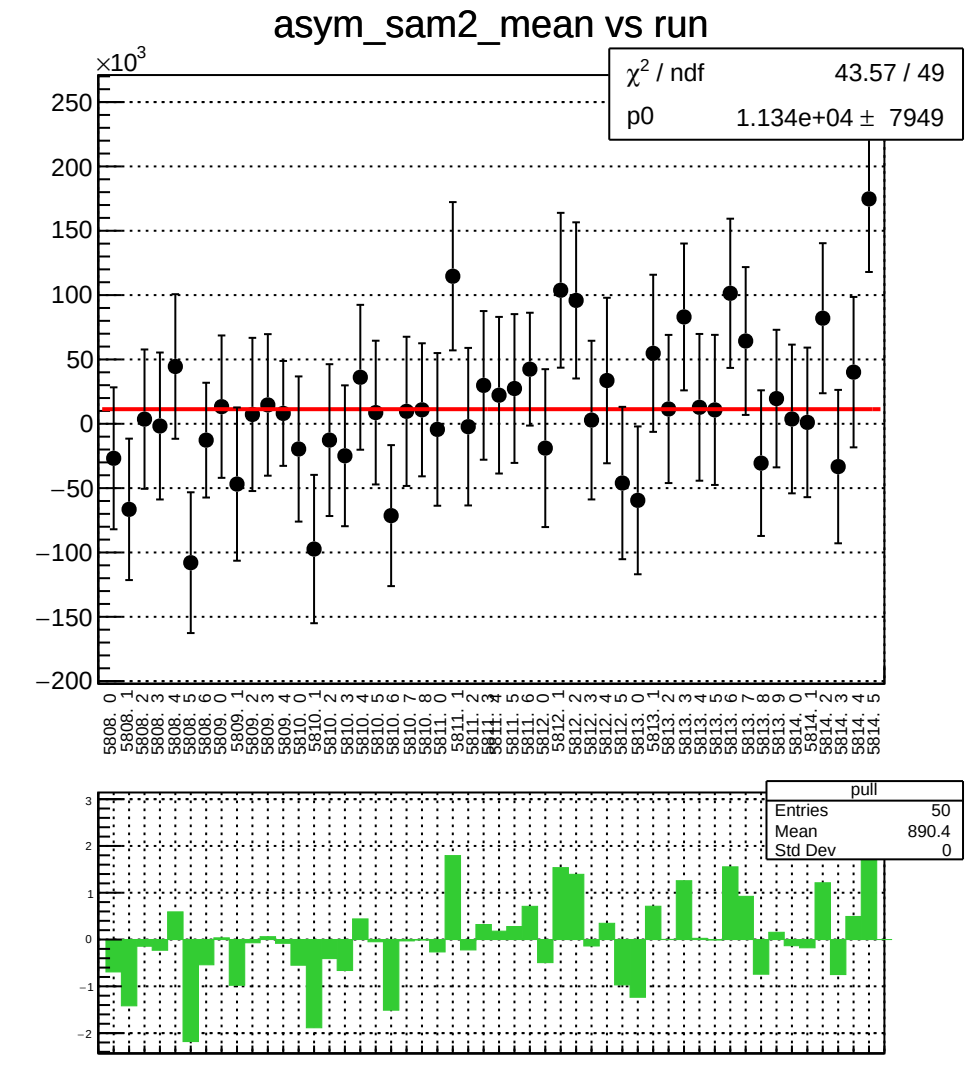

pull1D
Entries 50
Mean −0.001809
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

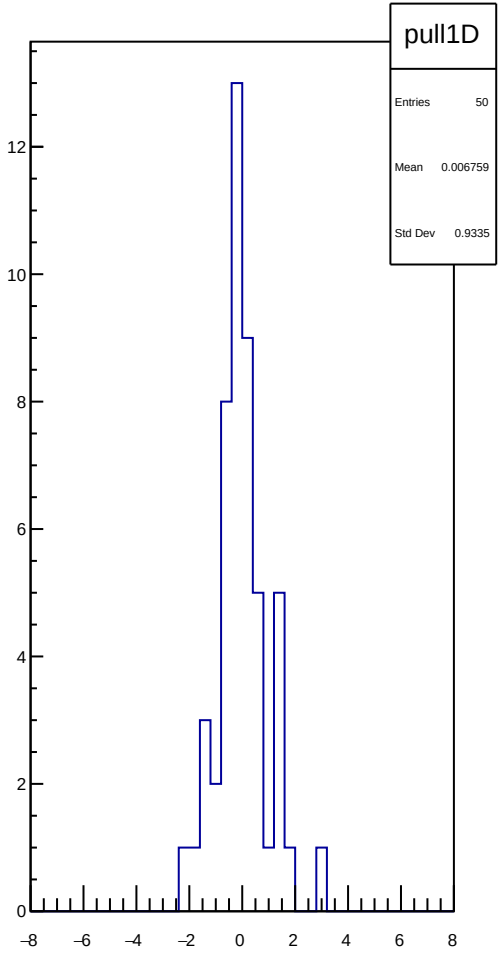

eigen_dit_asym_sam2_rms vs run
χ² / ndf 2235 / 49
p0 509.5 ± 0.5228
700
650
600
550
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

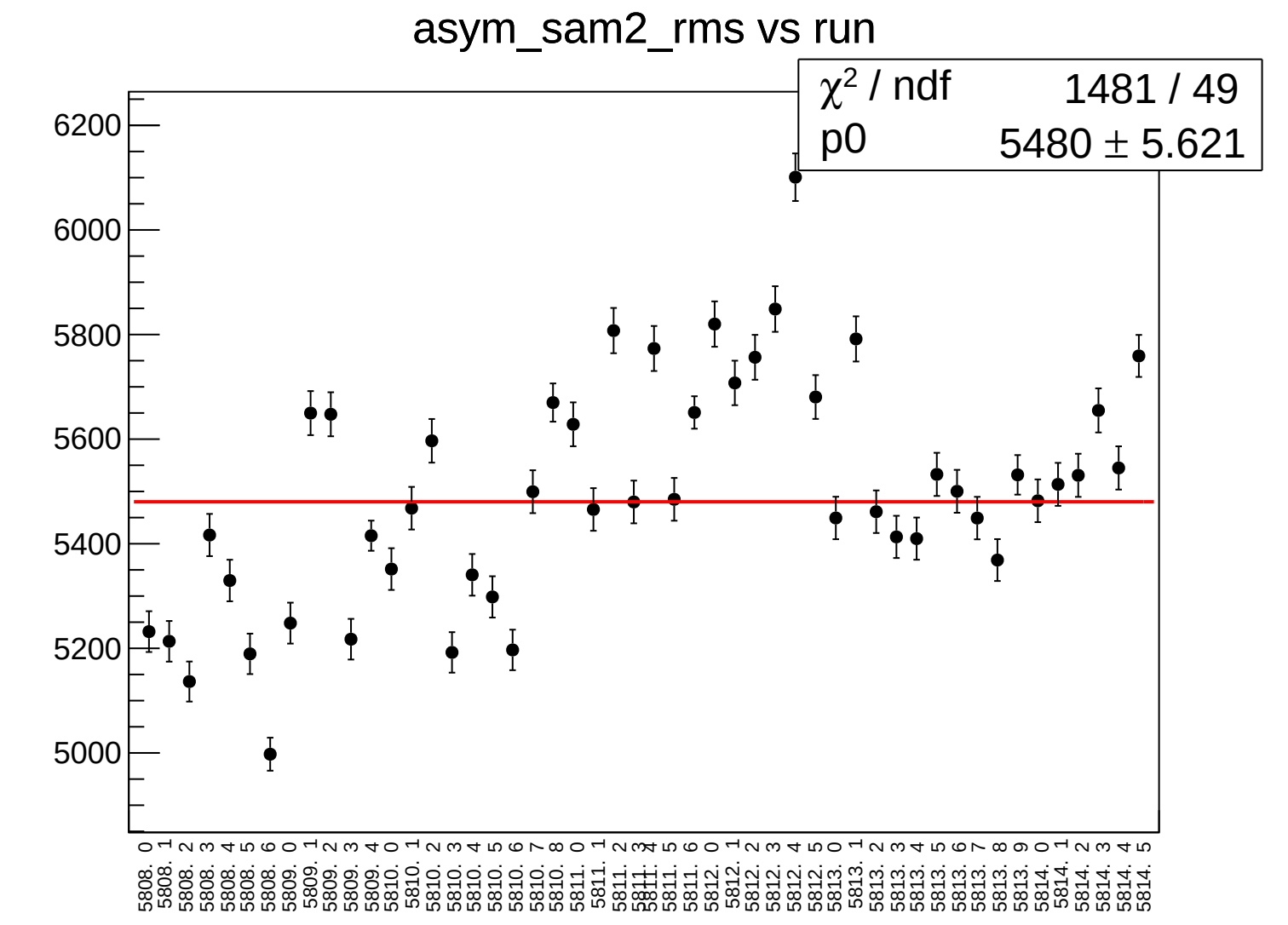

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.53 / 49
p0 −1.262e+04 ± 8084
150
100
50
0
−50
−100
−150
−200
−250
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1133
Std Dev 0
2
1
0
−1
−2

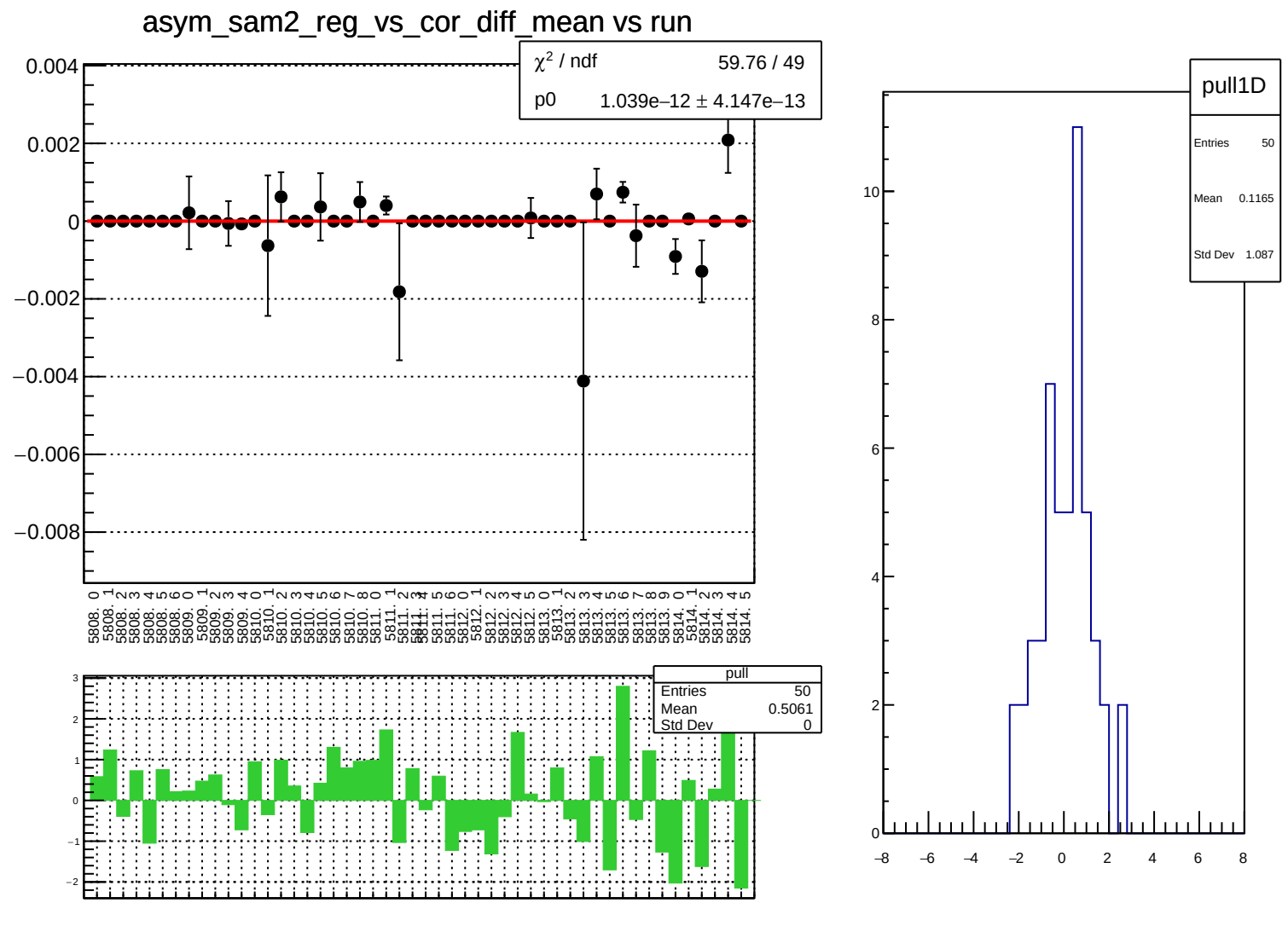

pull1D
Entries 50
Mean −0.00499
Std Dev 0.9223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

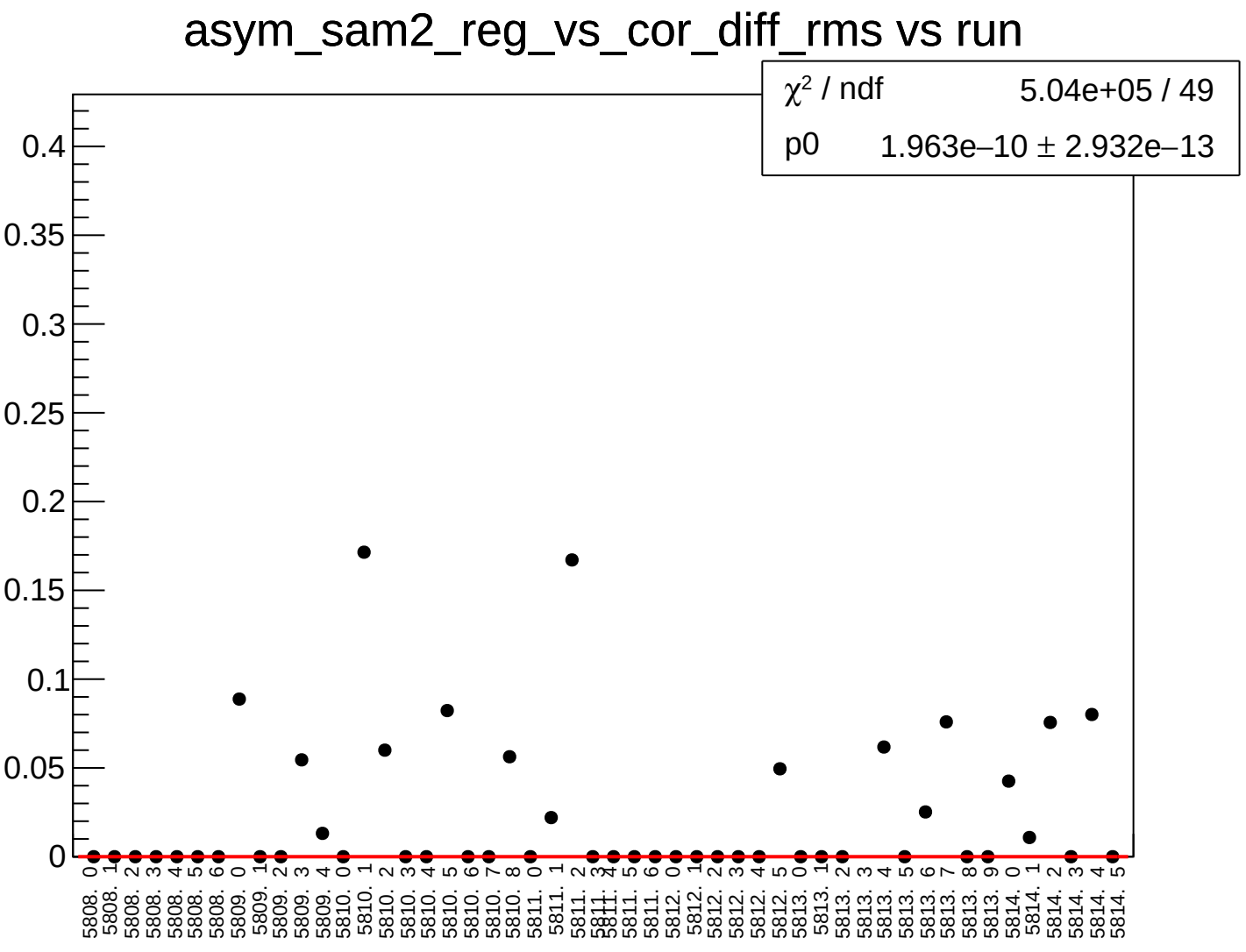

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 1416 / 49
p0 5573 ± 5.716
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

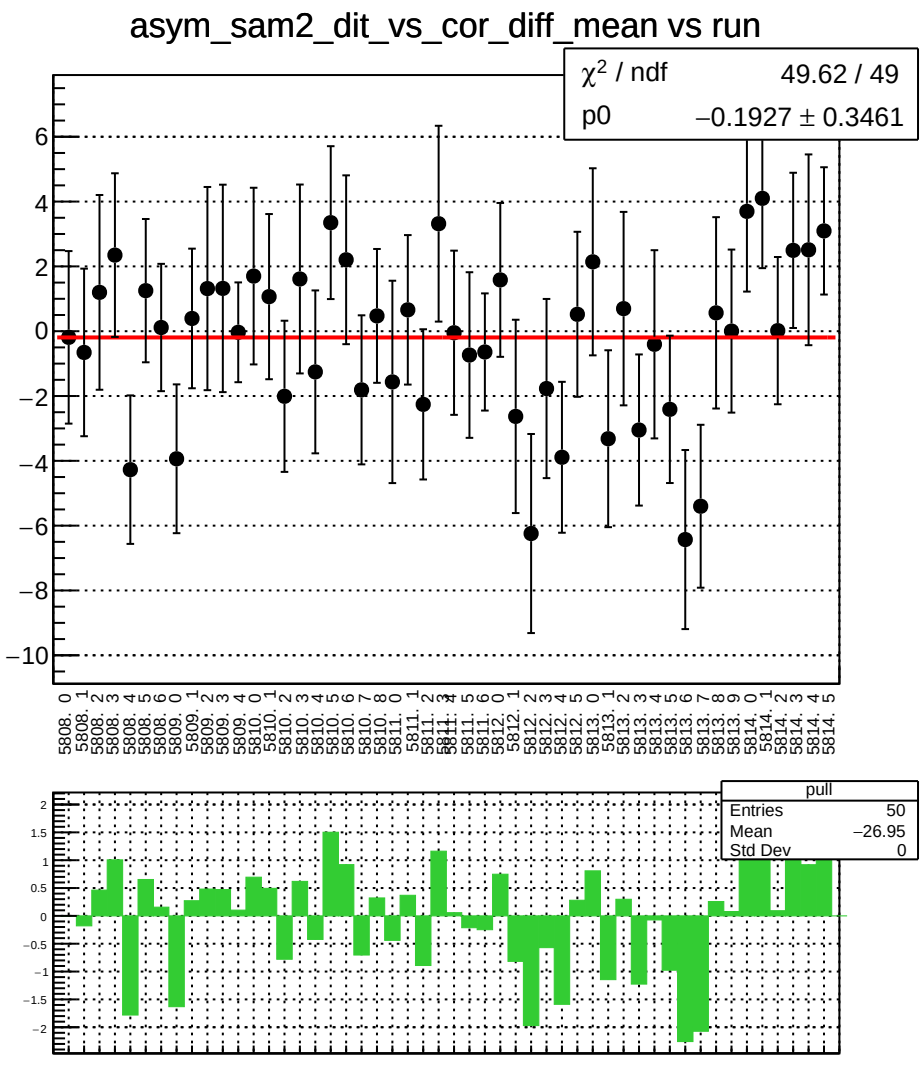

asym_sam2_mean vs run
×10^3
χ² / ndf 43.57 / 49
p0 1.134e+04 ± 7949
pull
Entries 50
Mean 890.4
Std Dev 0

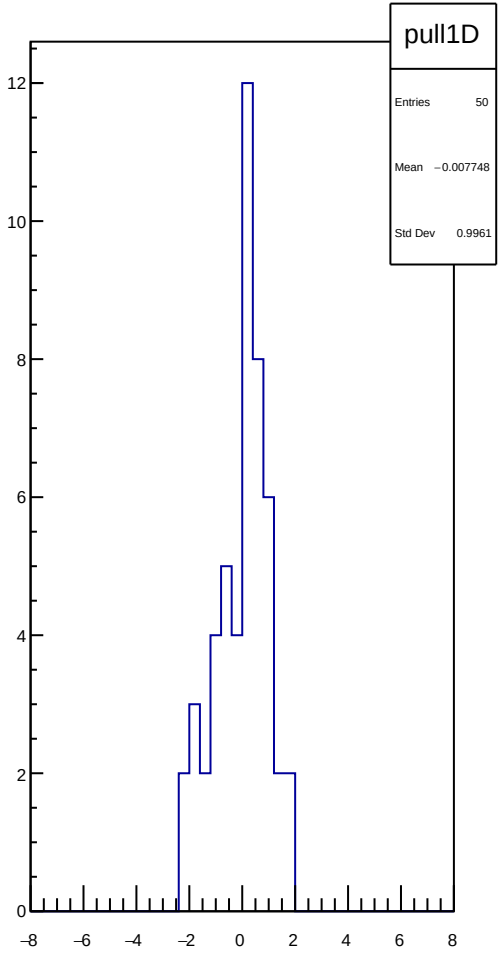

pull1D
Entries 50
Mean 0.006759
Std Dev 0.9335

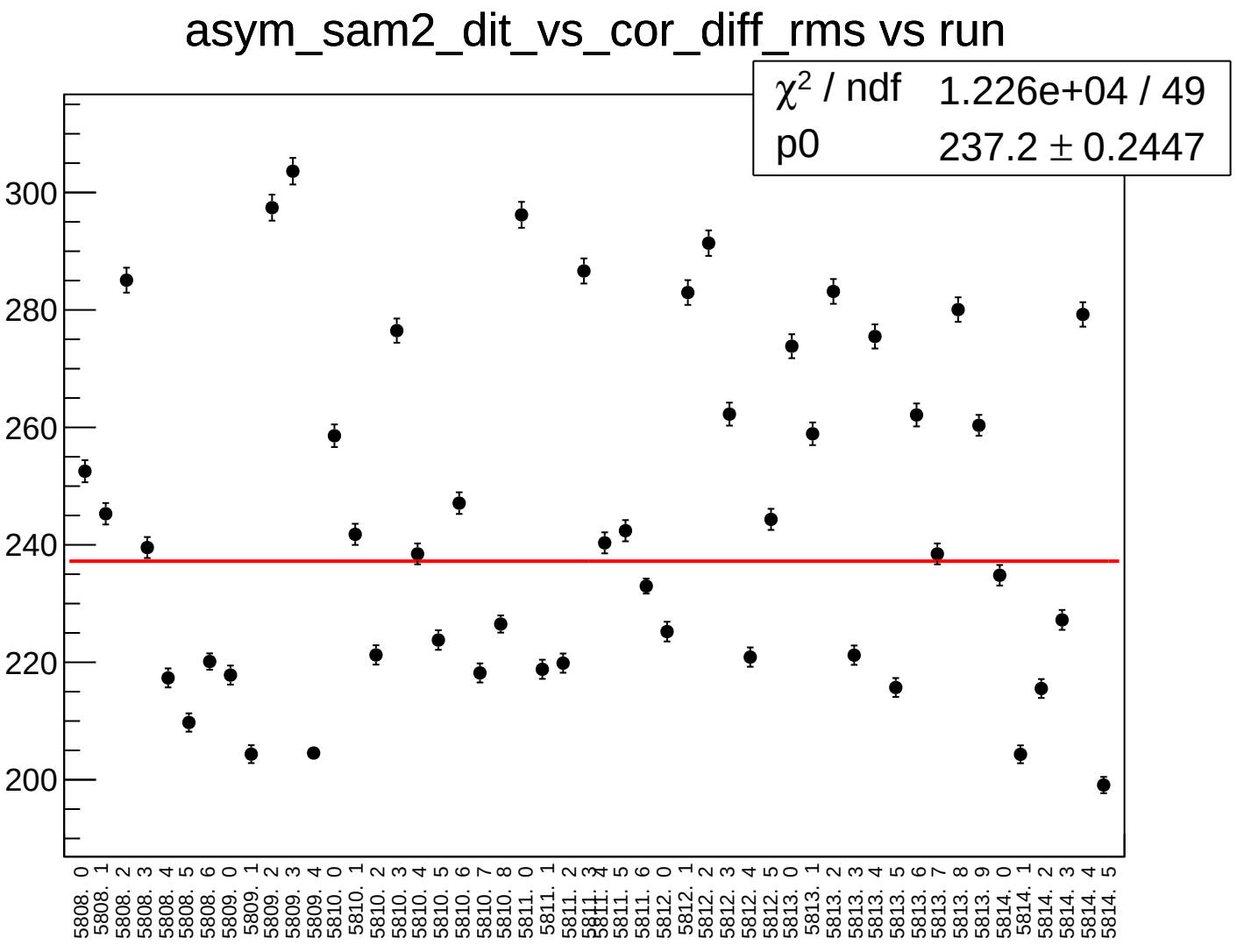

asym_sam2_rms vs run
χ² / ndf 1481 / 49
p0 5480 ± 5.621
6200
6000
5800
5600
5400
5200
5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

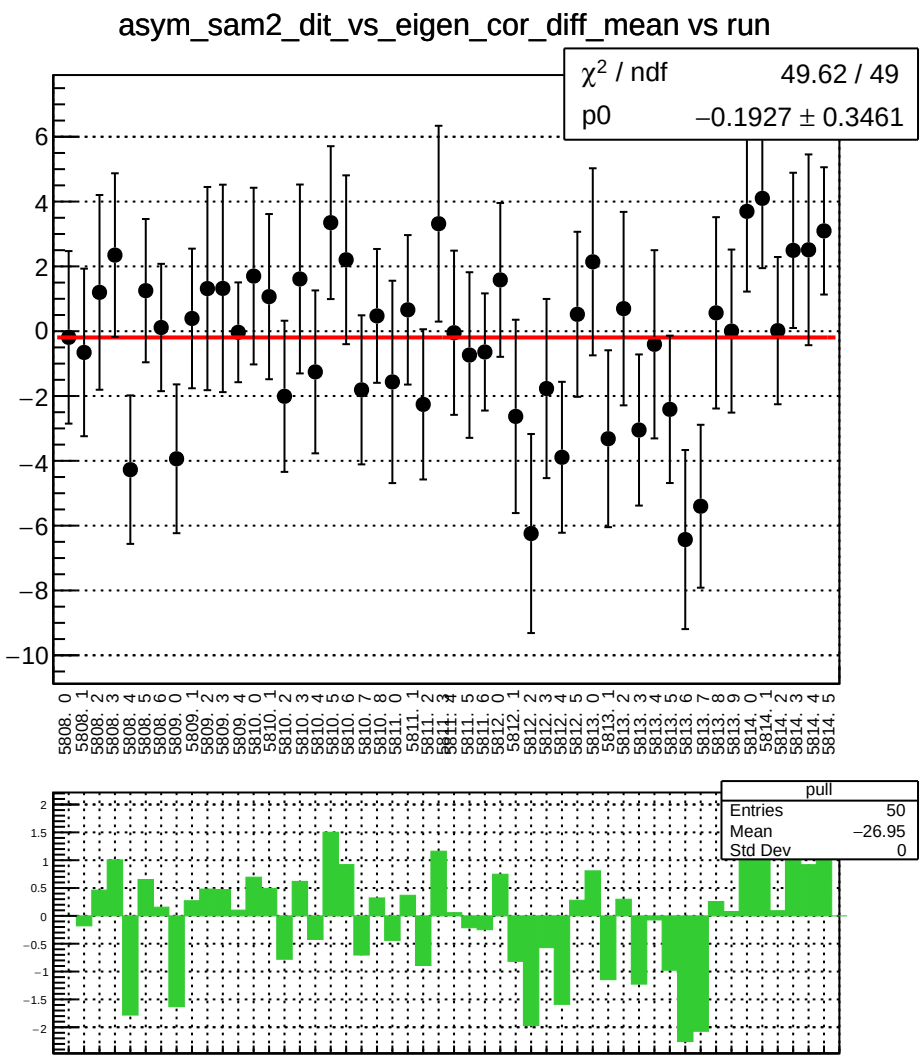

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 59.76 / 49
p0 1.039e−12 ± 4.147e−13
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
pull
Entries 50
Mean 0.5061
Std Dev 0
pull1D
Entries 50
Mean 0.1165
Std Dev 1.087

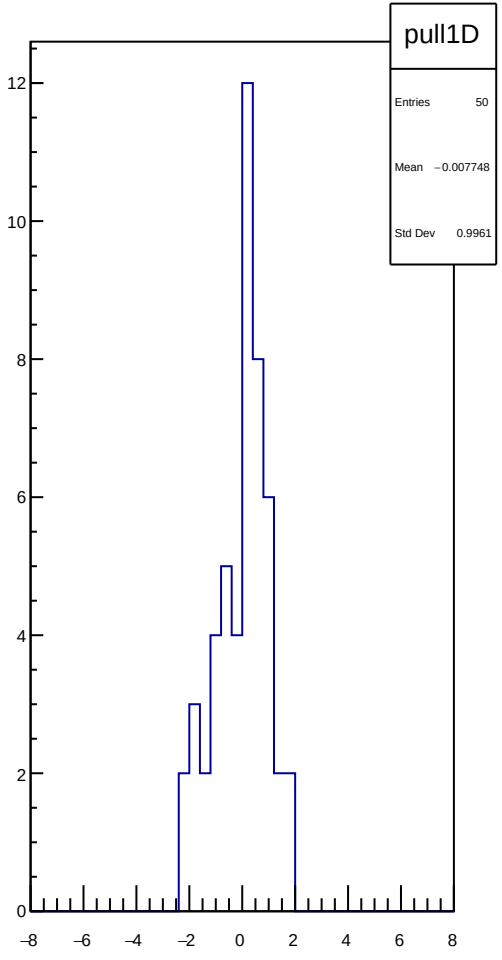

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 5.04e+05 / 49
p0 1.963e−10 ± 2.932e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

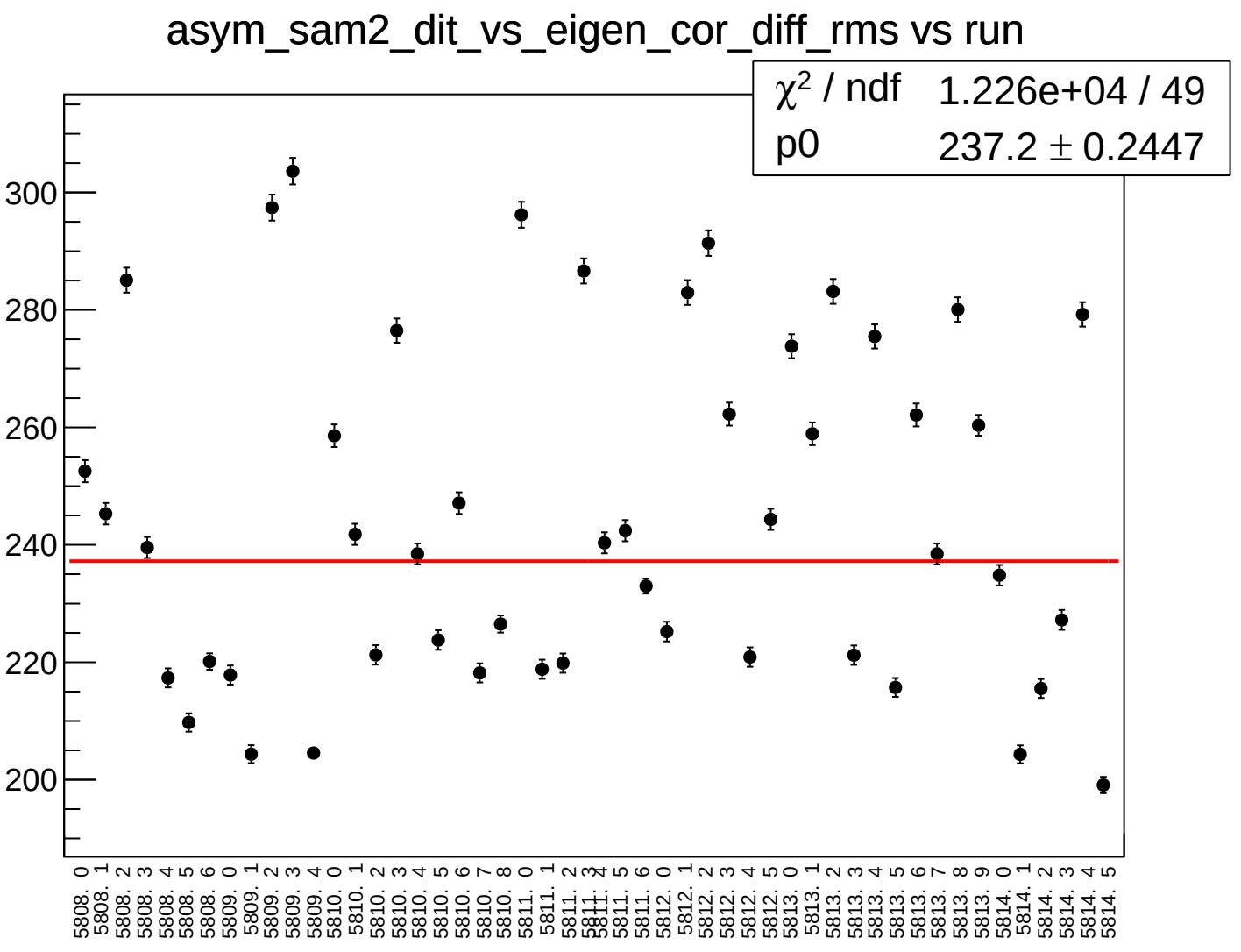

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 49.62 / 49
p0 −0.1927 ± 0.3461
pull
Entries 50
Mean −26.95
Std Dev 0

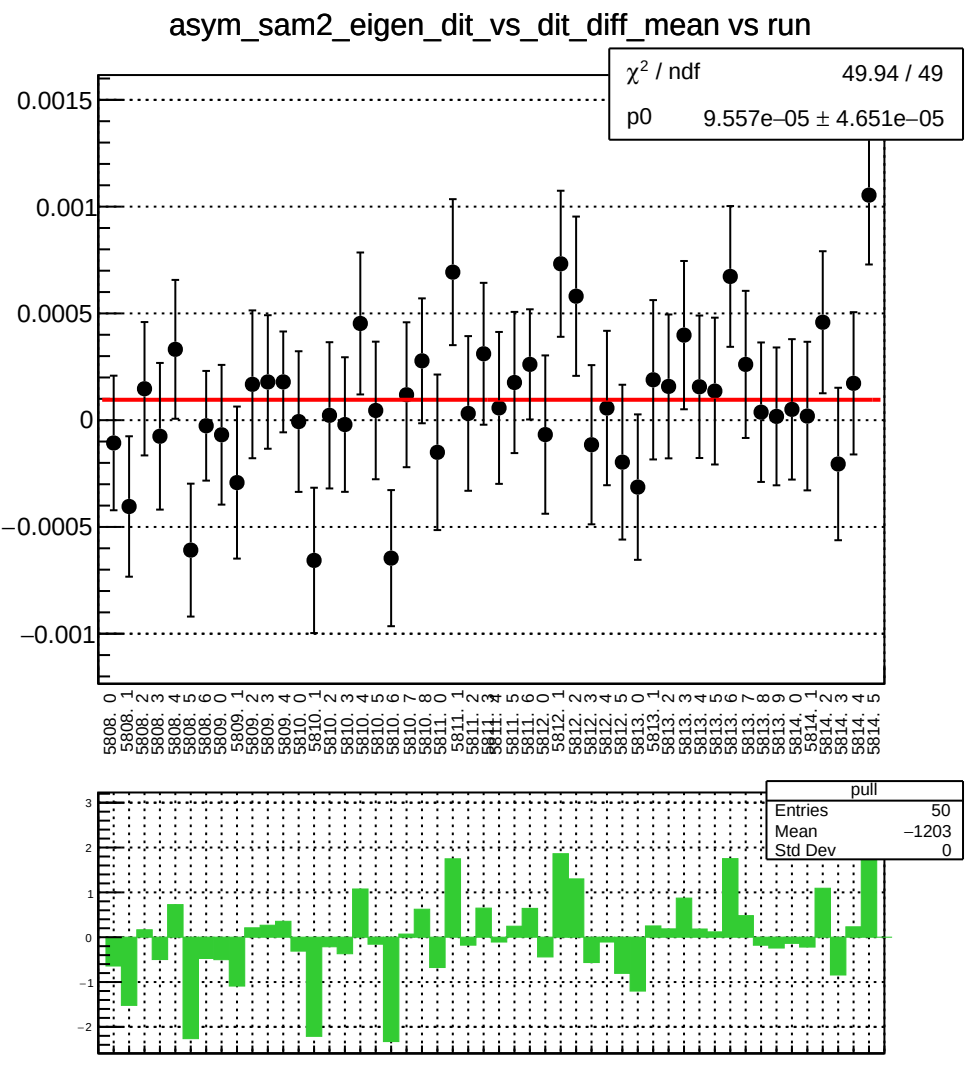

pull1D
Entries 50
Mean −0.007748
Std Dev 0.9961

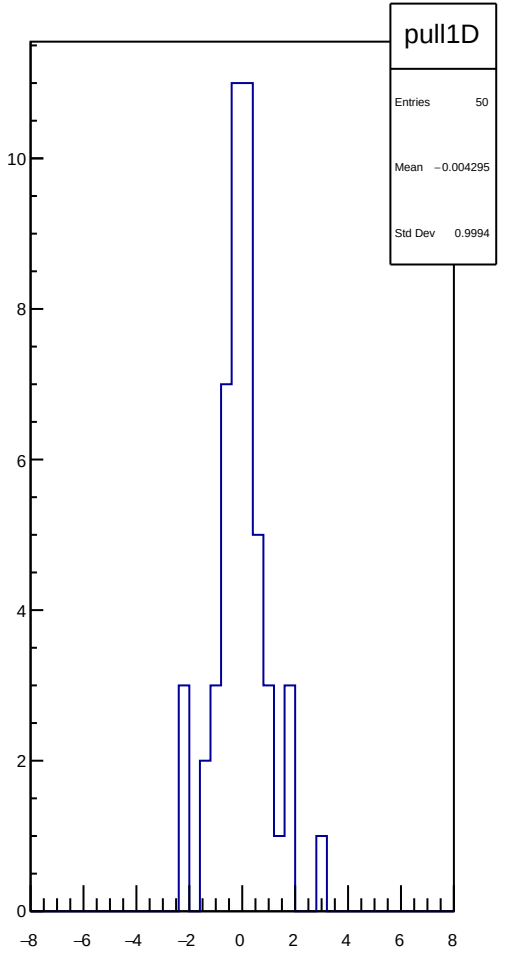

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 1.226e+04 / 49
p0 237.2 ± 0.2447
300
280
260
240
220
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

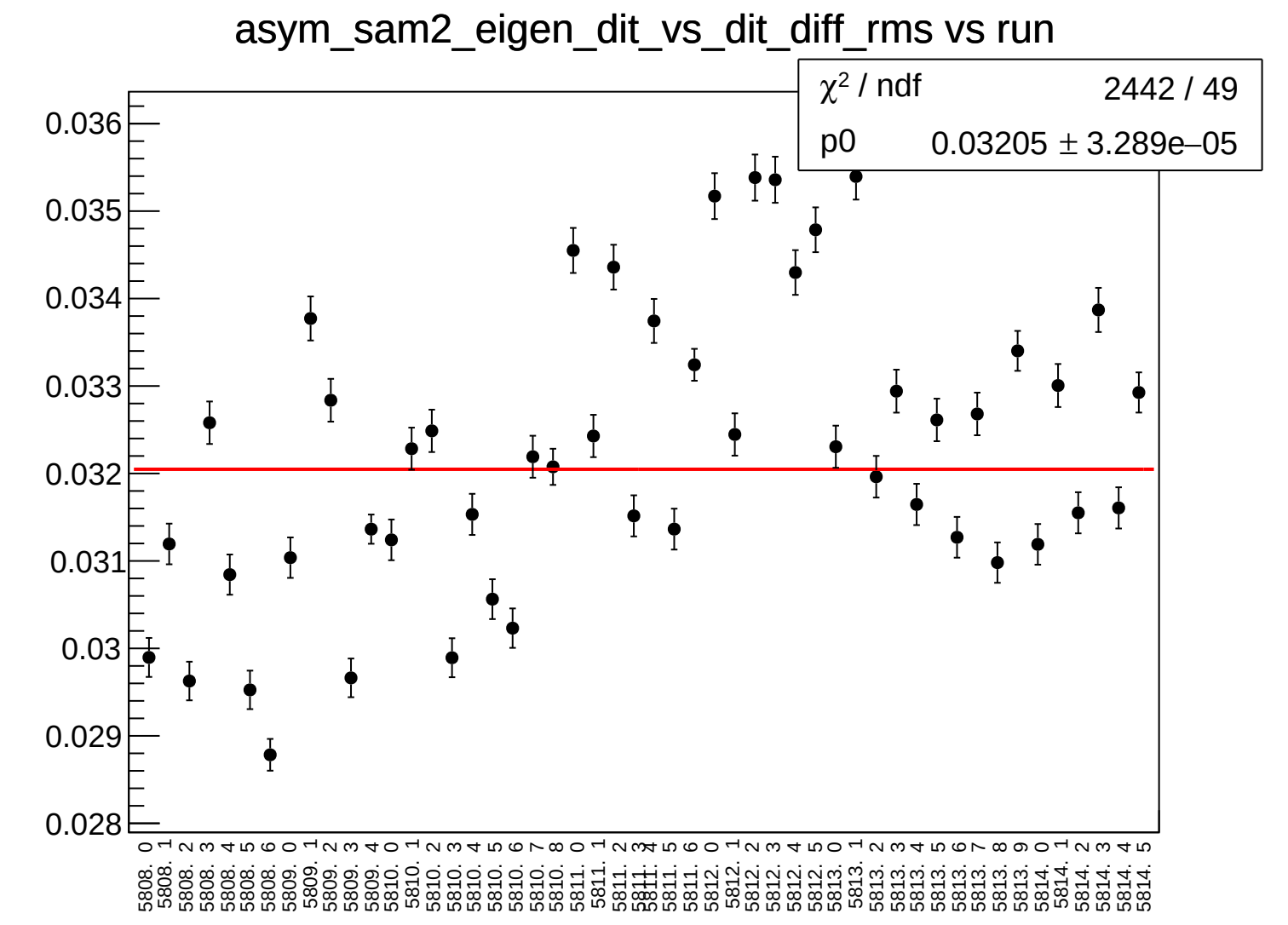

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.62 / 49
p0 −0.1927 ± 0.3461
pull
Entries 50
Mean −26.95
Std Dev 0

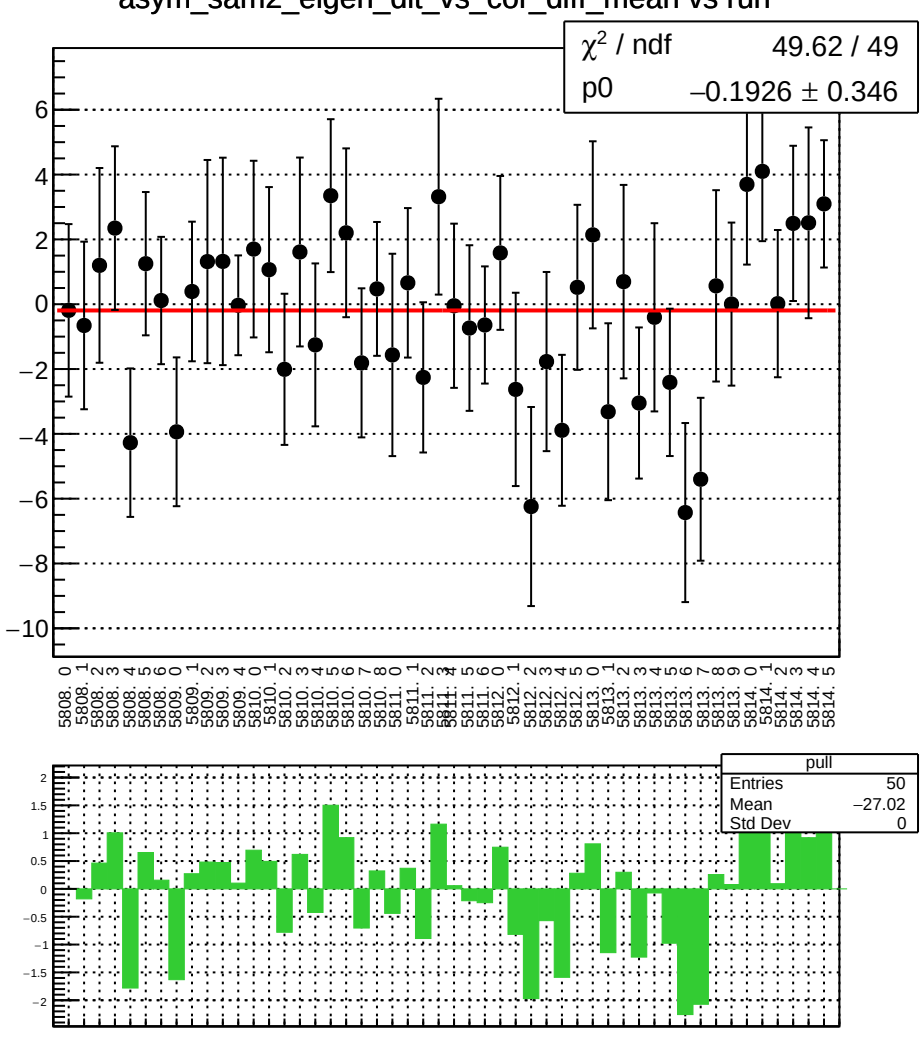

pull1D
Entries 50
Mean −0.007748
Std Dev 0.9961

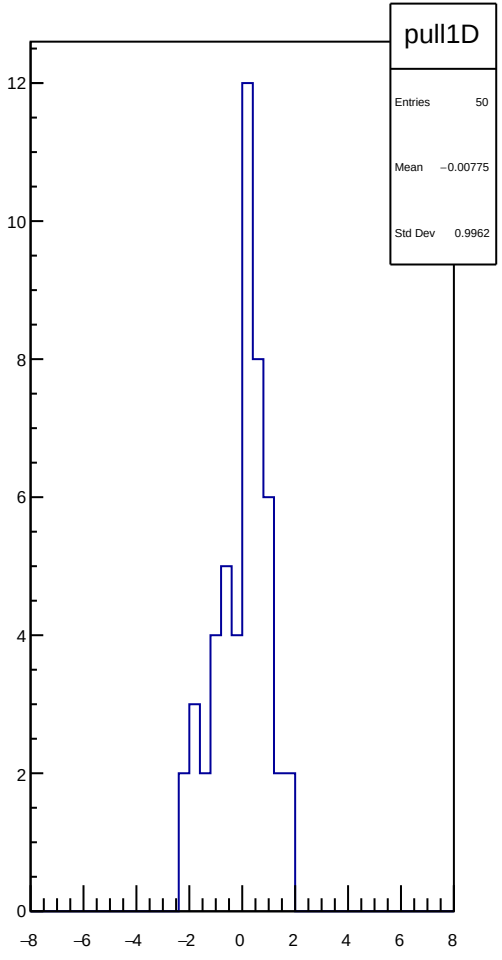

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.226e+04 / 49
p0 237.2 ± 0.2447
300
280
260
240
220
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

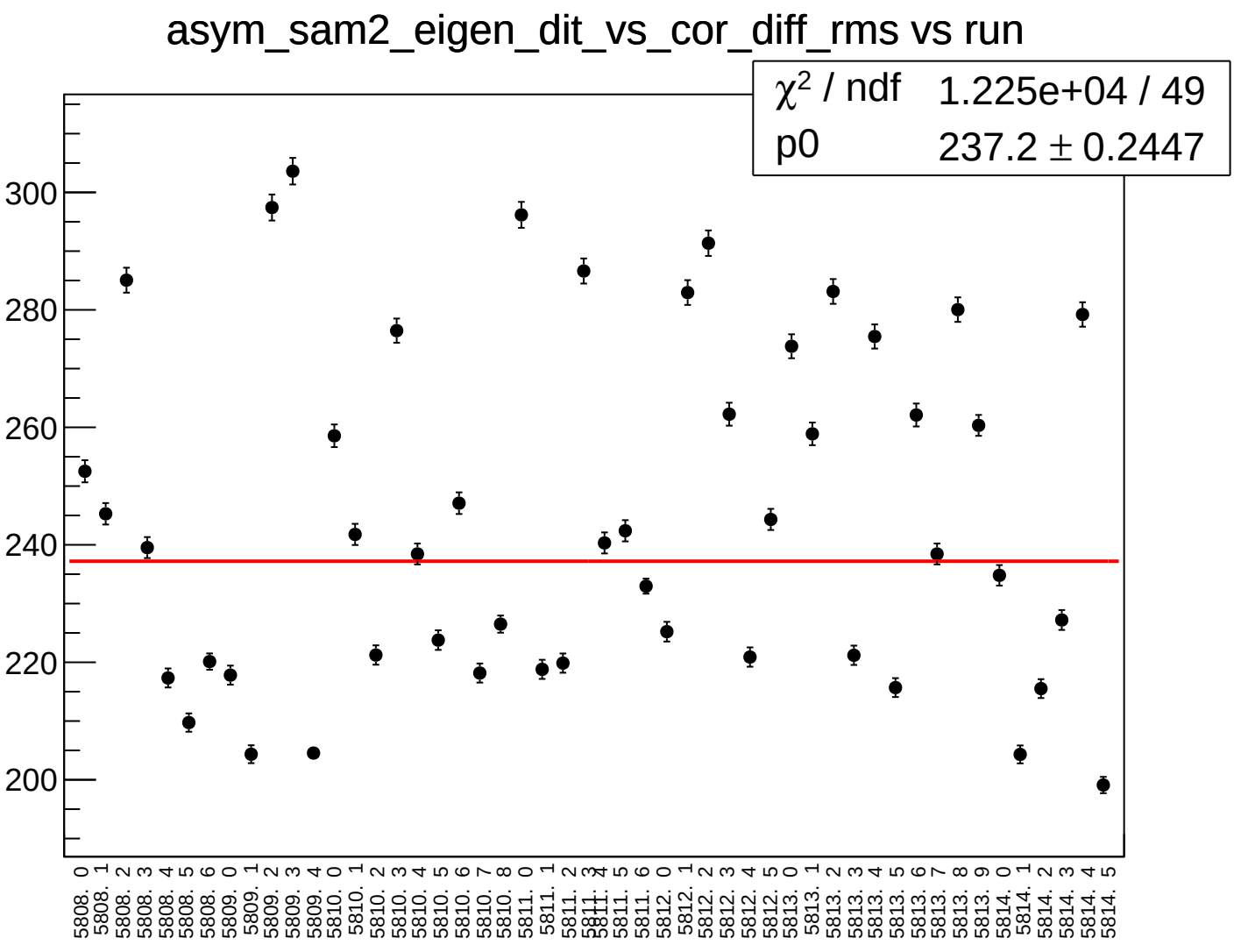

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 49.94 / 49
p0 9.557e−05 ± 4.651e−05
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 50
Mean −1203
Std Dev 0


pull1D
Entries 50
Mean −0.004295
Std Dev 0.9994


asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2442 / 49
p0 0.03205 ± 3.289e−05
0.036
0.035
0.034
0.033
0.032
0.031
0.03
0.029
0.028
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.62 / 49
p0 −0.1926 ± 0.346
pull
Entries 50
Mean −27.02
Std Dev 0


pull1D
Entries 50
Mean −0.00775
Std Dev 0.9962


asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.225e+04 / 49
p0 237.2 ± 0.2447
300
280
260
240
220
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 8
5813. 9
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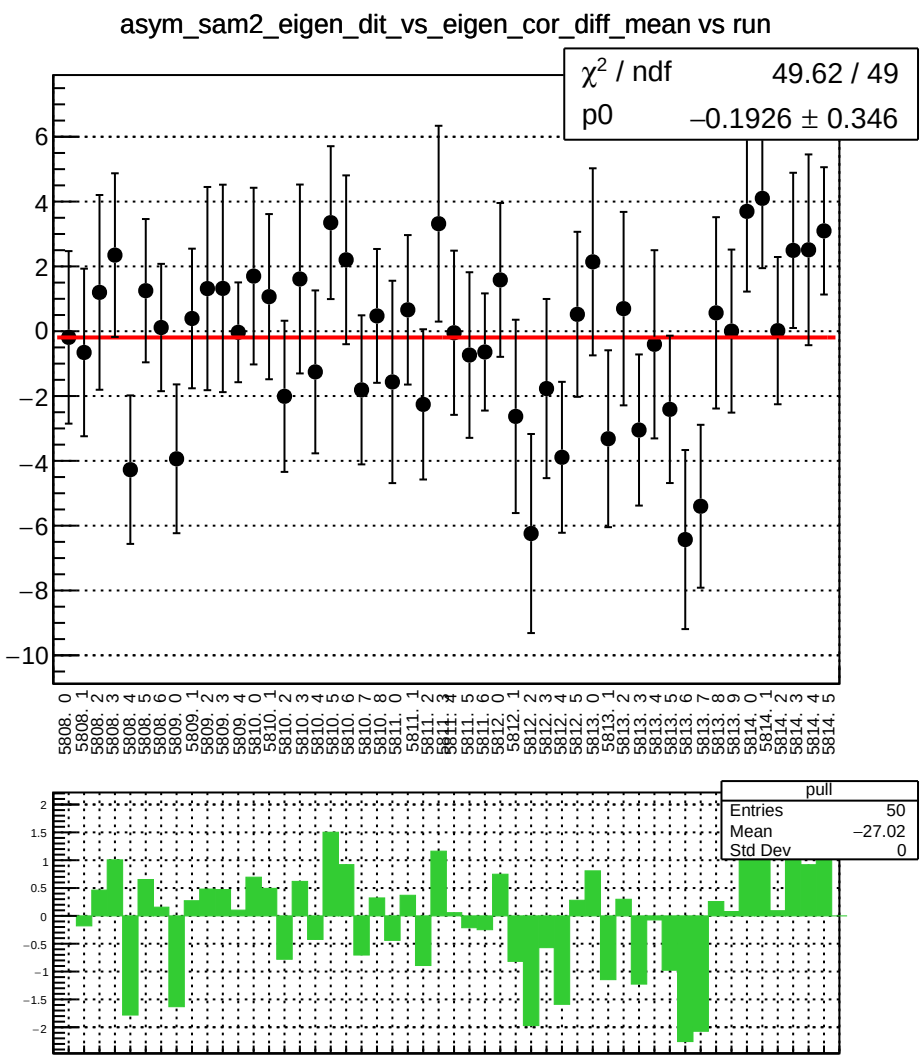
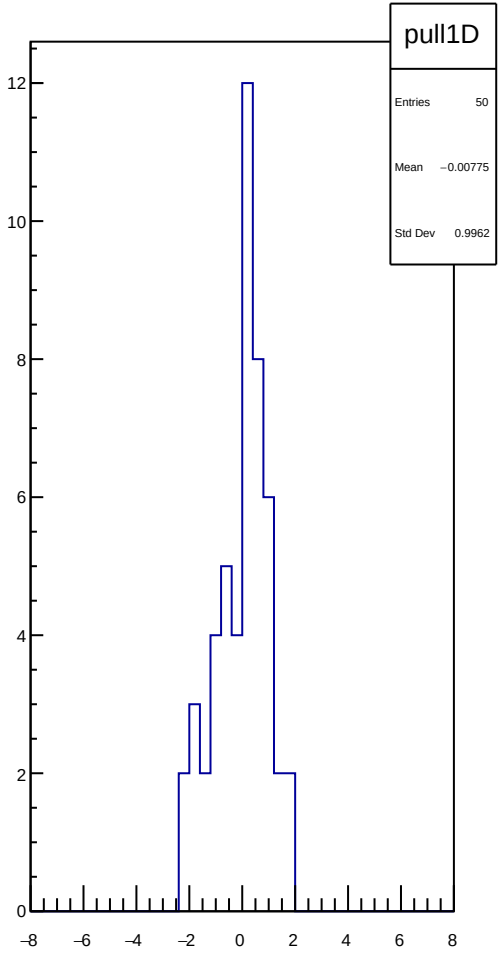
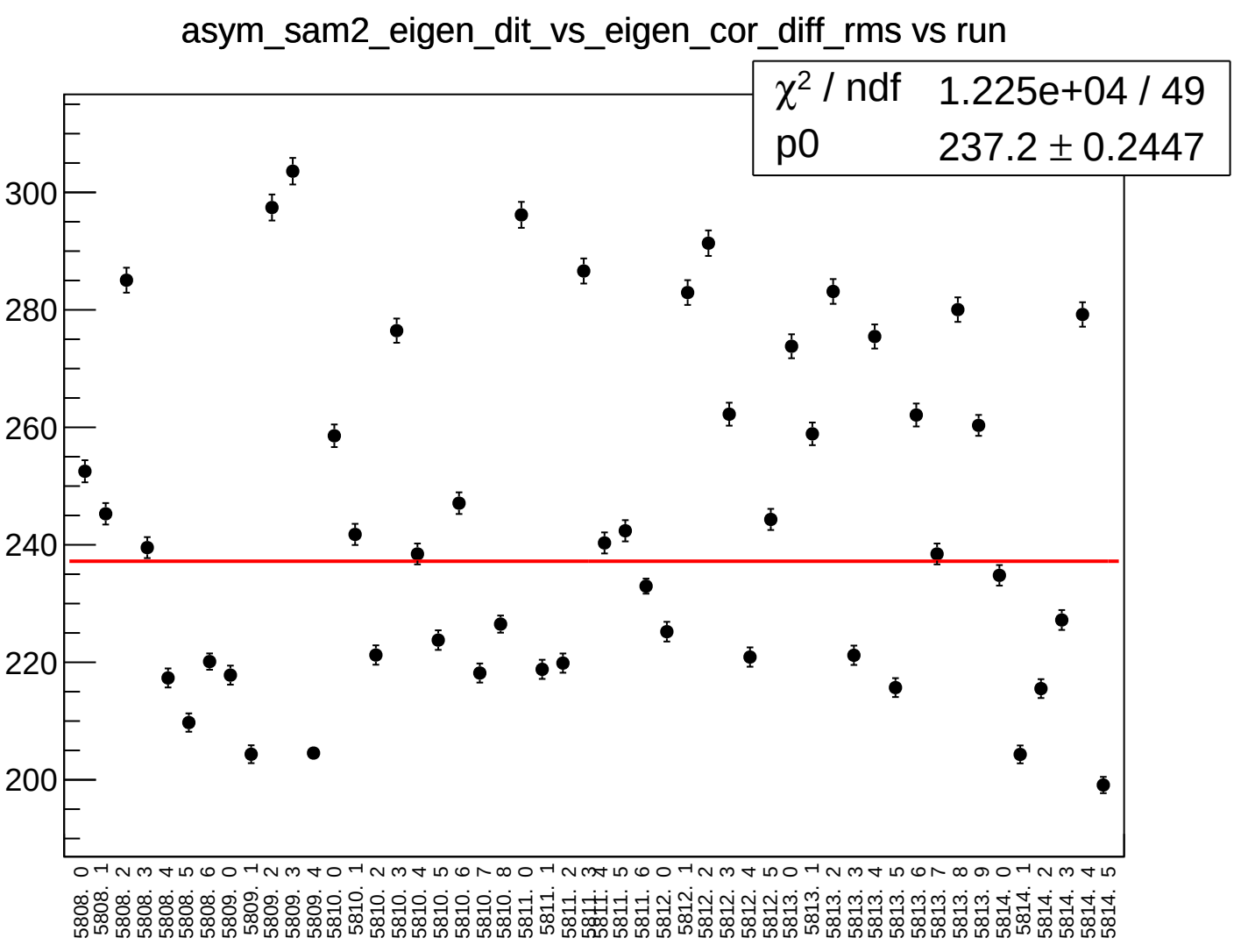
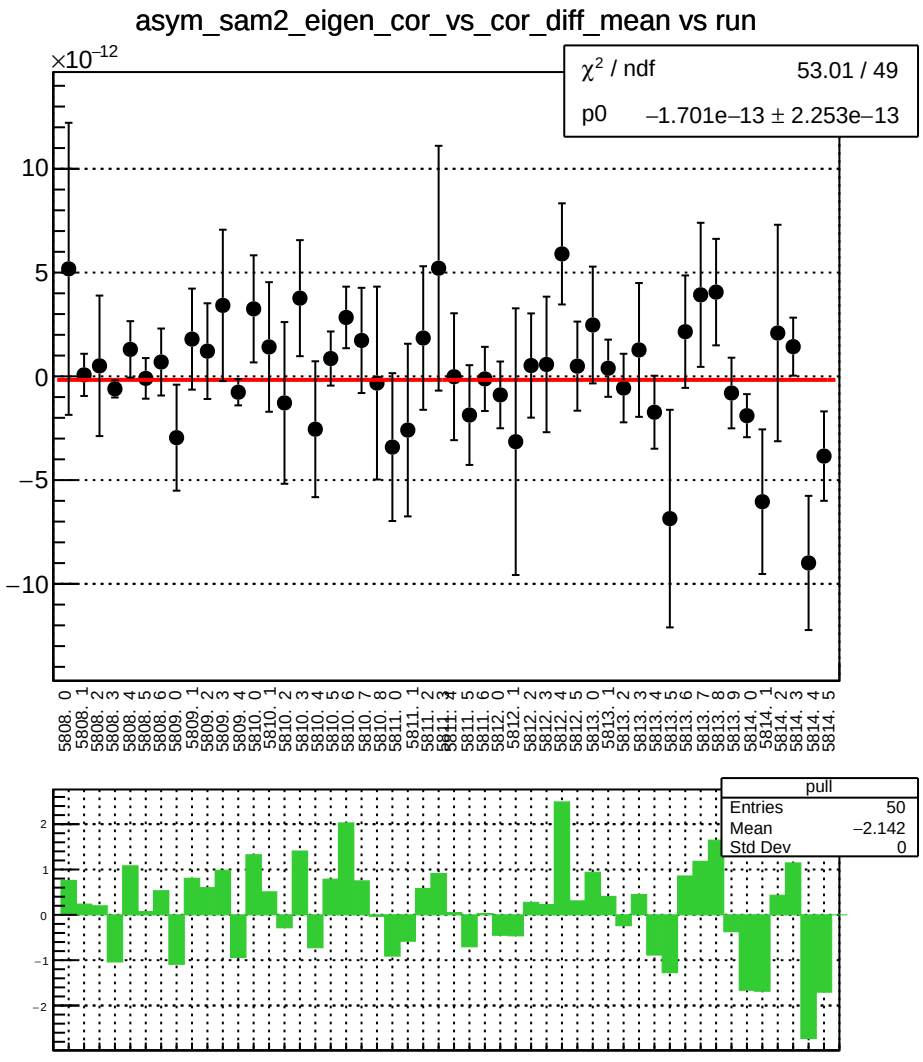
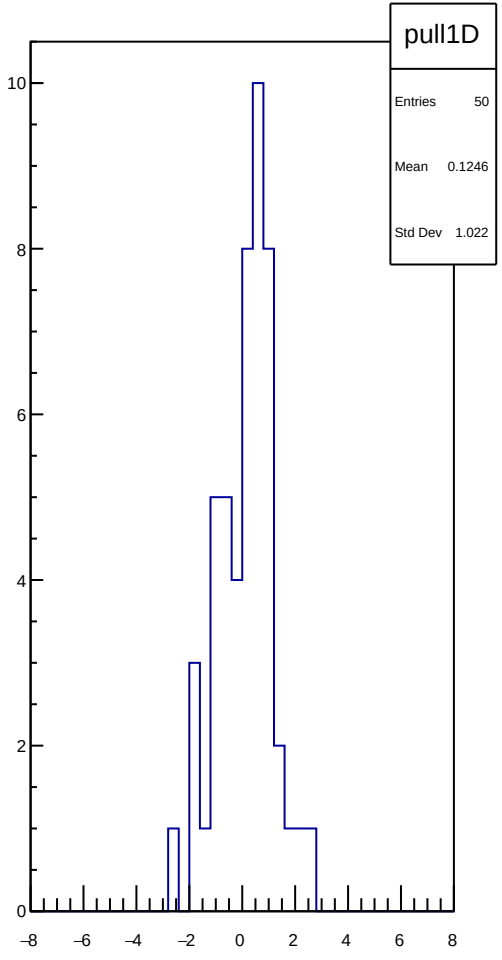
5814. 4
5814. 5

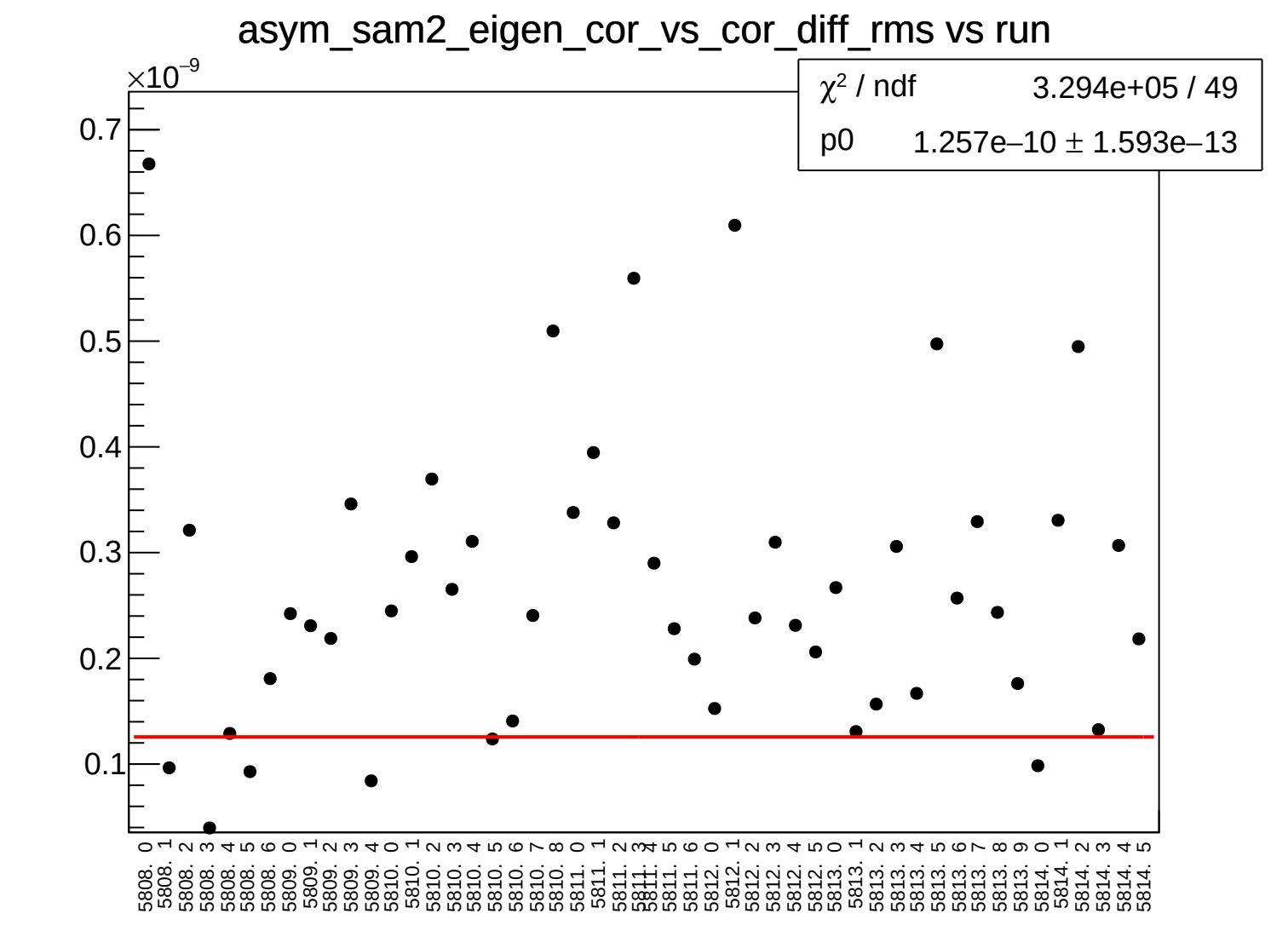

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.62 / 49
p0 −0.1926 ± 0.346
pull
Entries 50
Mean −27.02
Std Dev 0

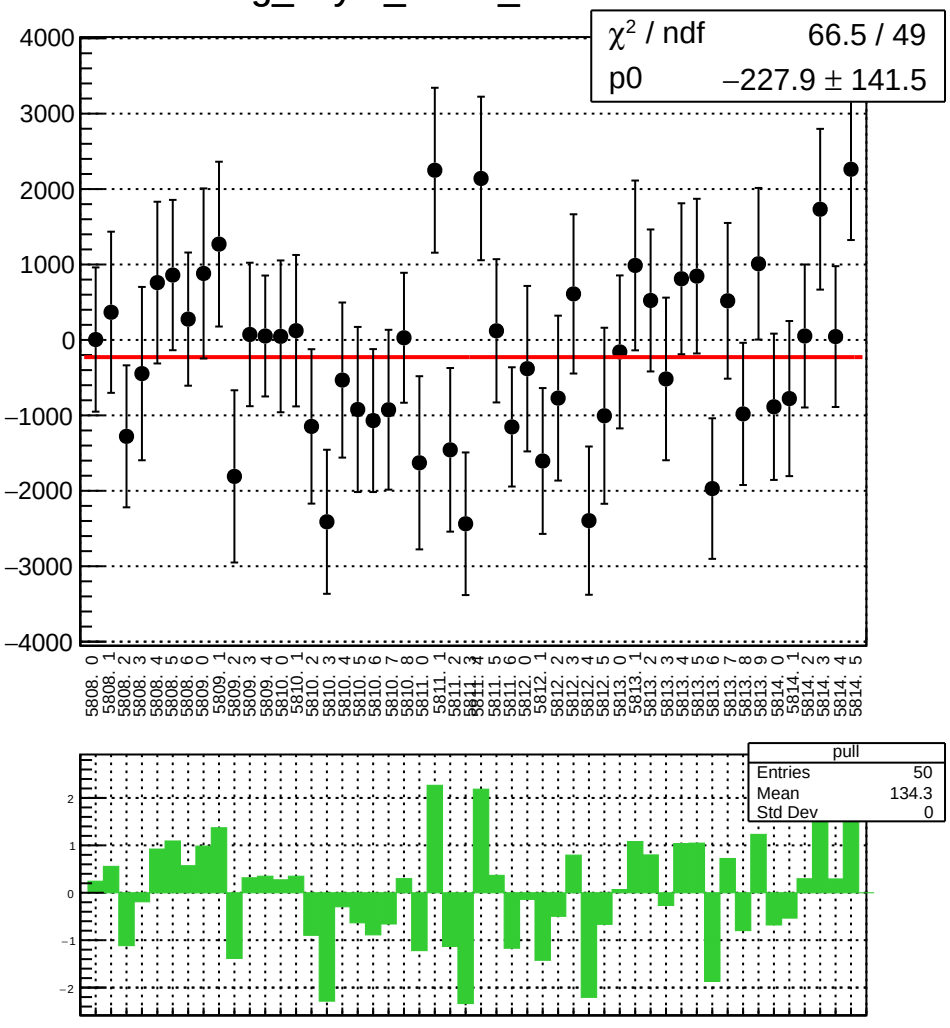

pull1D
Entries 50
Mean −0.00775
Std Dev 0.9962

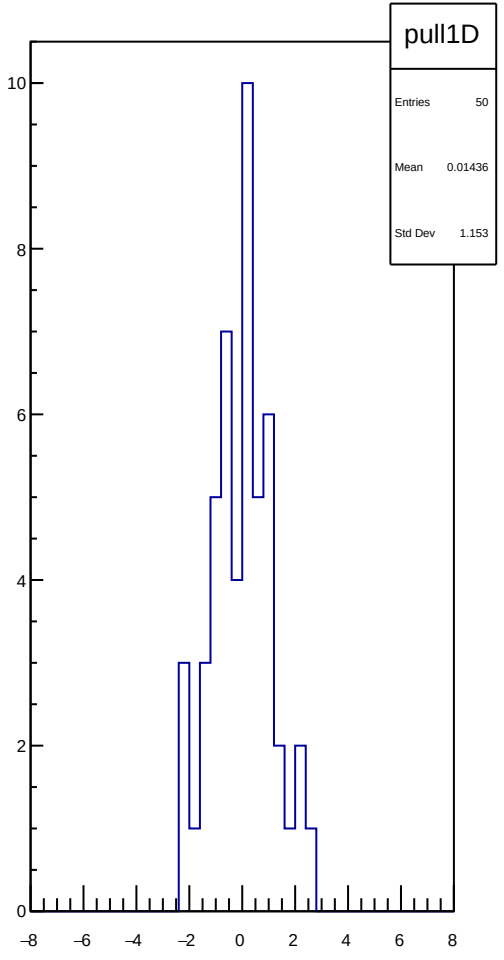

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.225e+04 / 49
p0 237.2 ± 0.2447
300
280
260
240
220
200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

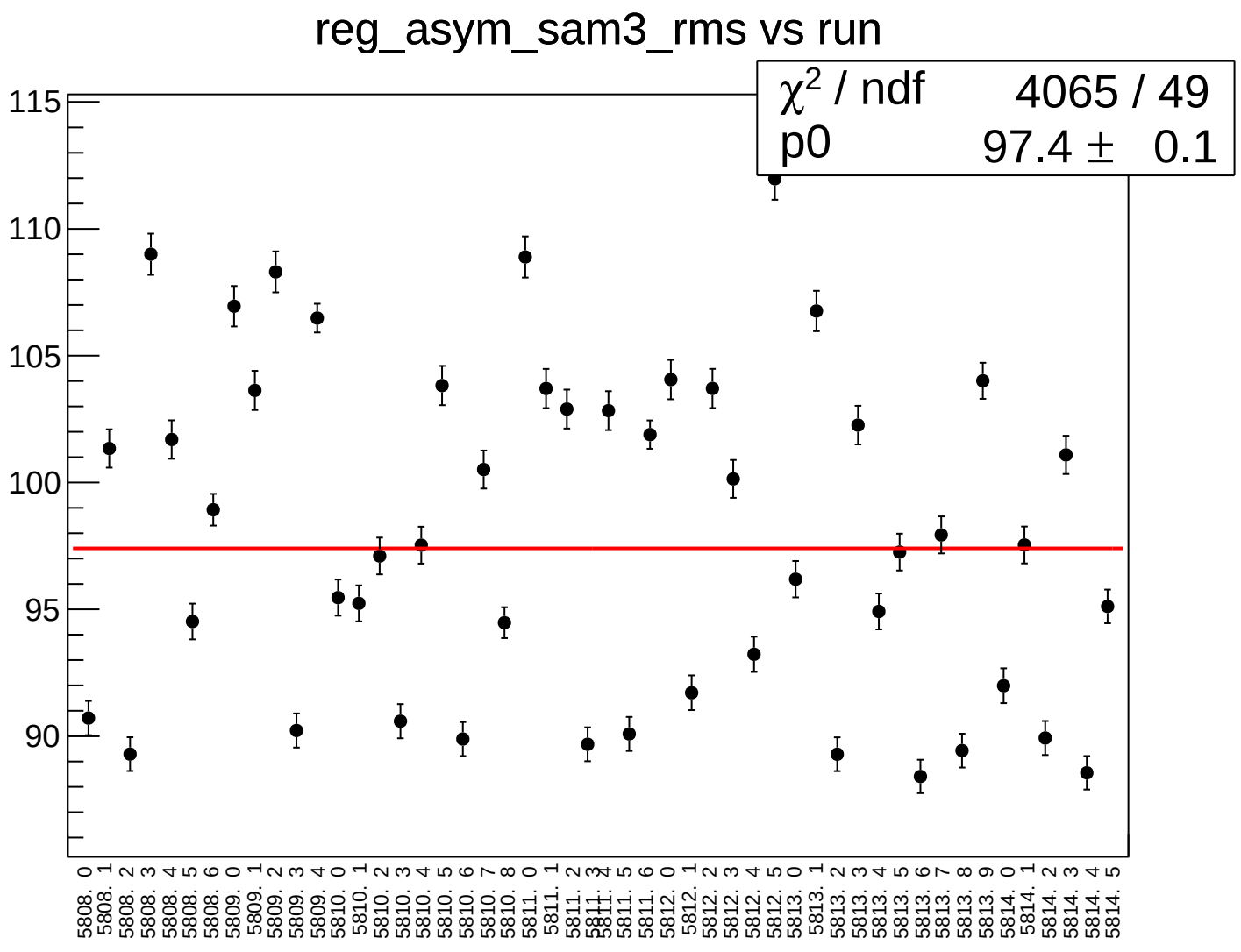

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.01 / 49
p0 −1.701e−13 ± 2.253e−13
10
5
0
−5
−10
pull
Entries 50
Mean −2.142
Std Dev 0
2
1
0
−1
−2

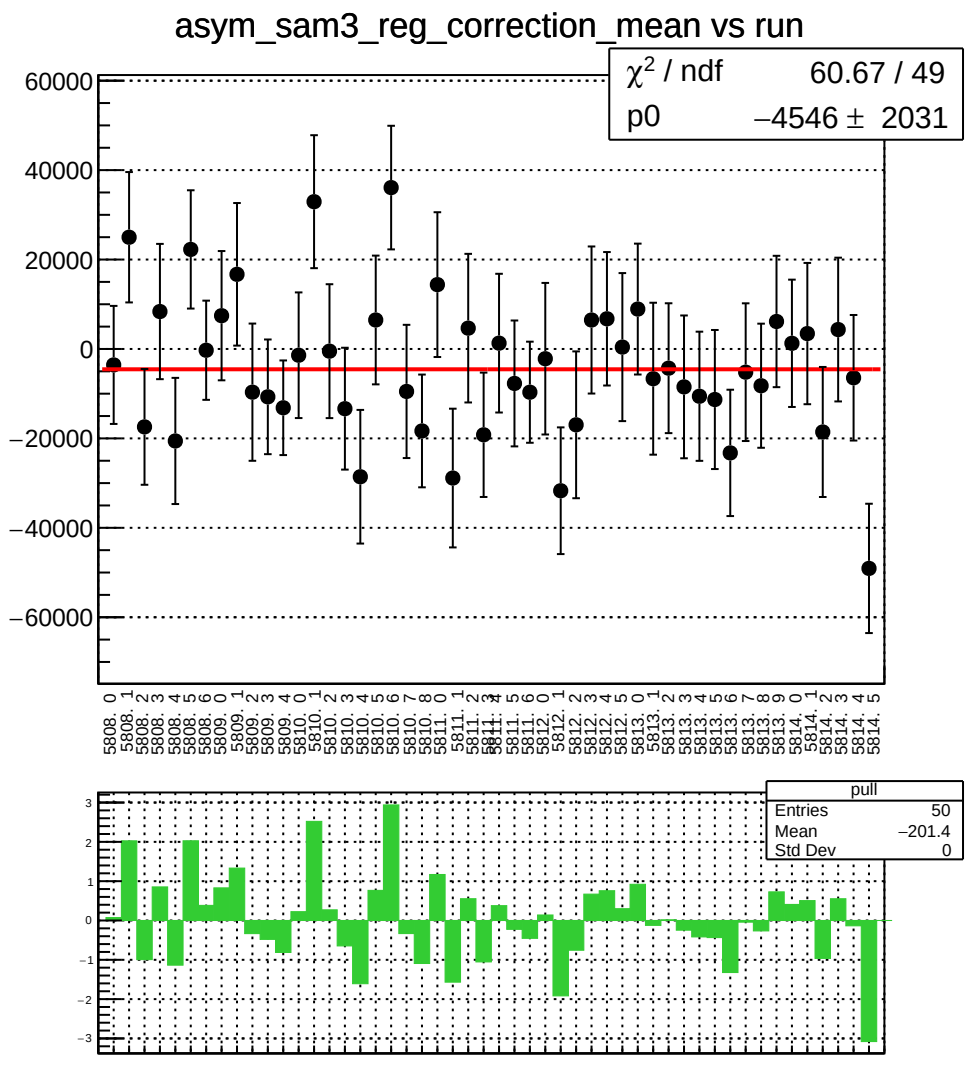

pull1D
Entries 50
Mean 0.1246
Std Dev 1.022
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

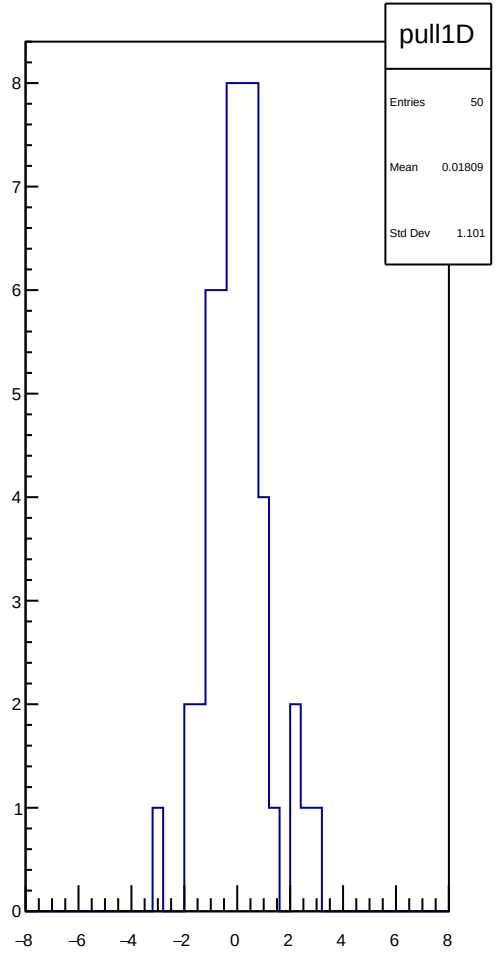

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.294e+05 / 49
p0 1.257e−10 ± 1.593e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

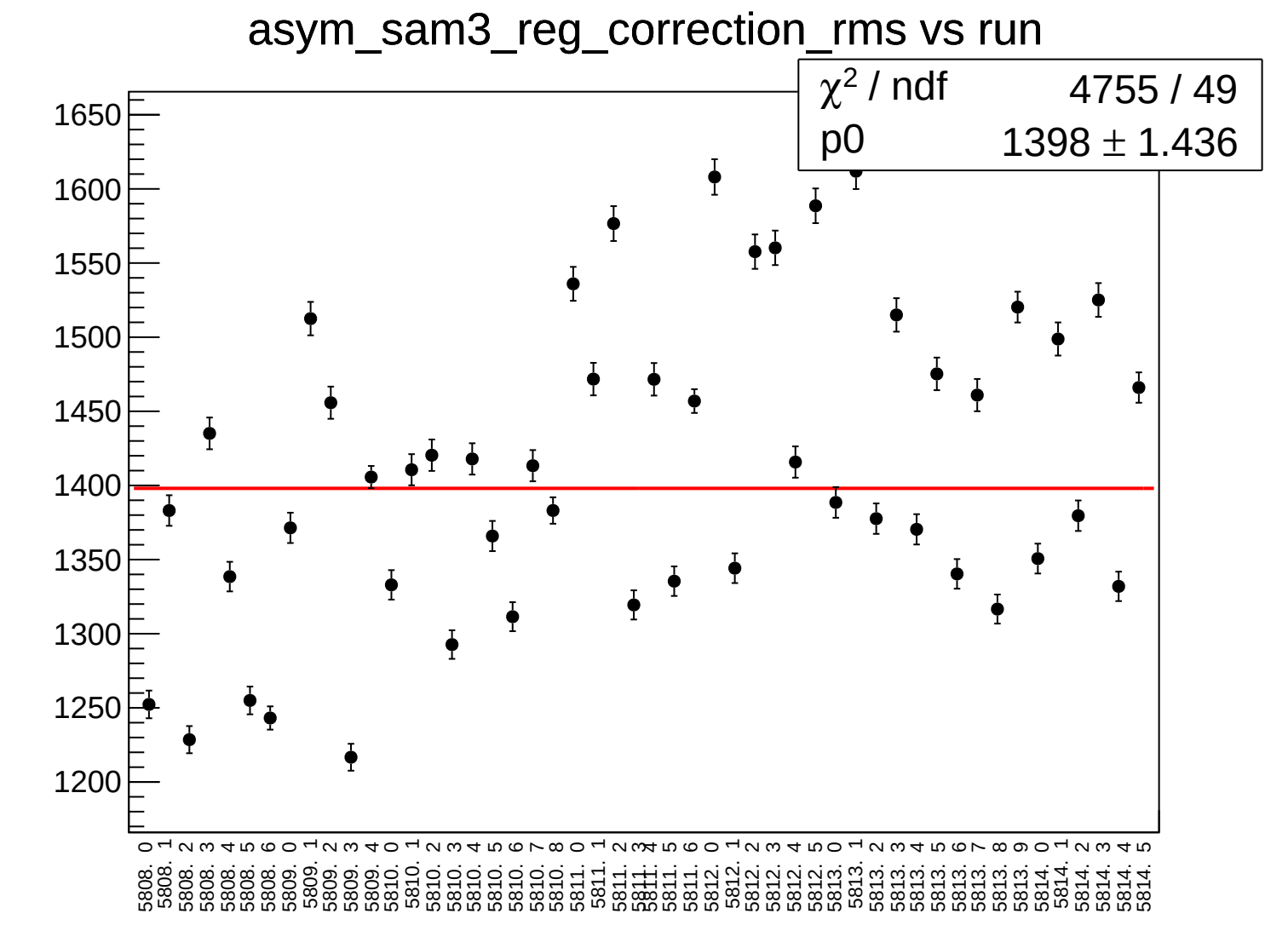

reg_asym_sam3_mean vs run
χ² / ndf 66.5 / 49
p0 −227.9 ± 141.5
pull
Entries 50
Mean 134.3
Std Dev 0

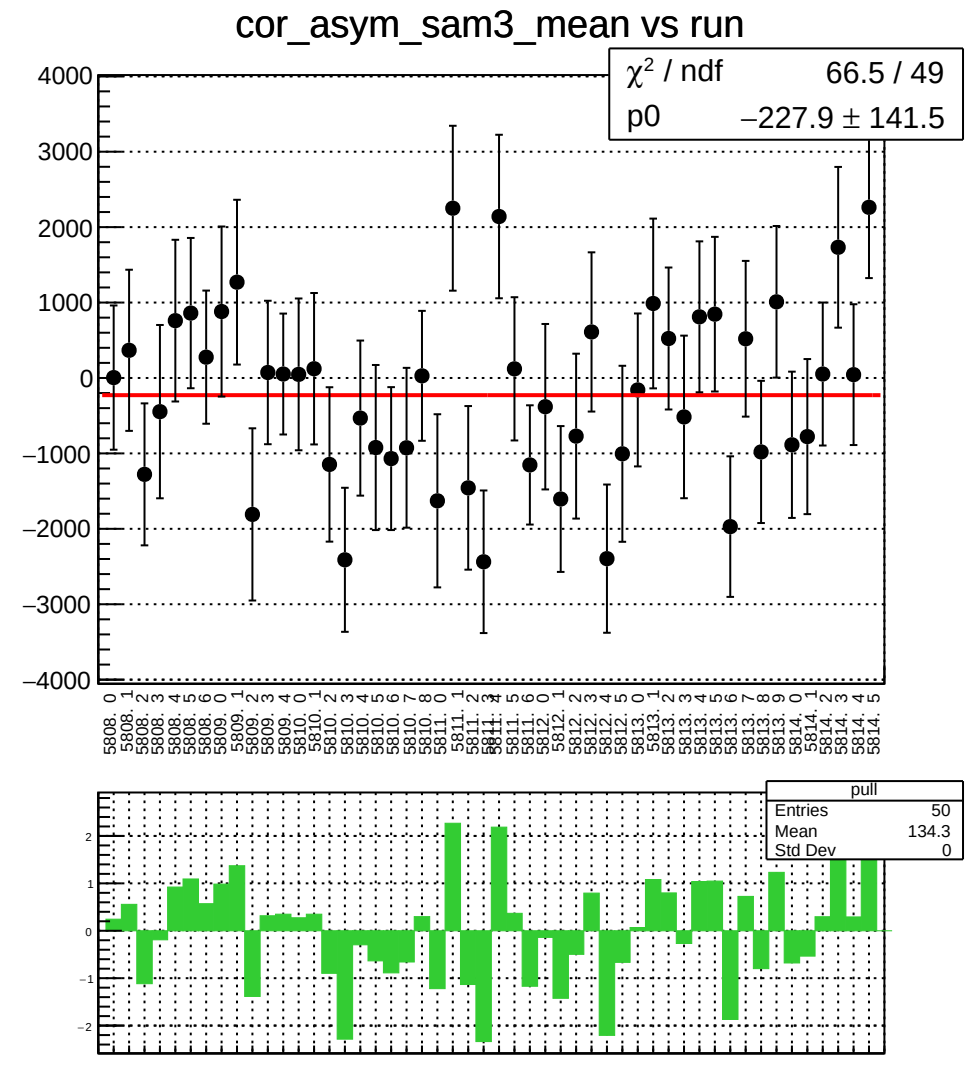

pull1D
Entries 50
Mean 0.01436
Std Dev 1.153

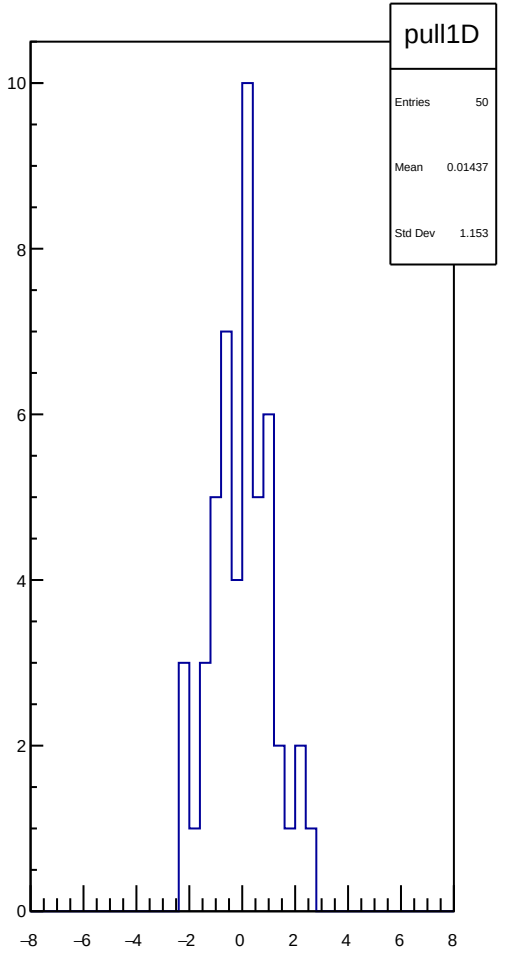

reg_asym_sam3_rms vs run
χ² / ndf 4065 / 49
p0 97.4 ± 0.1
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

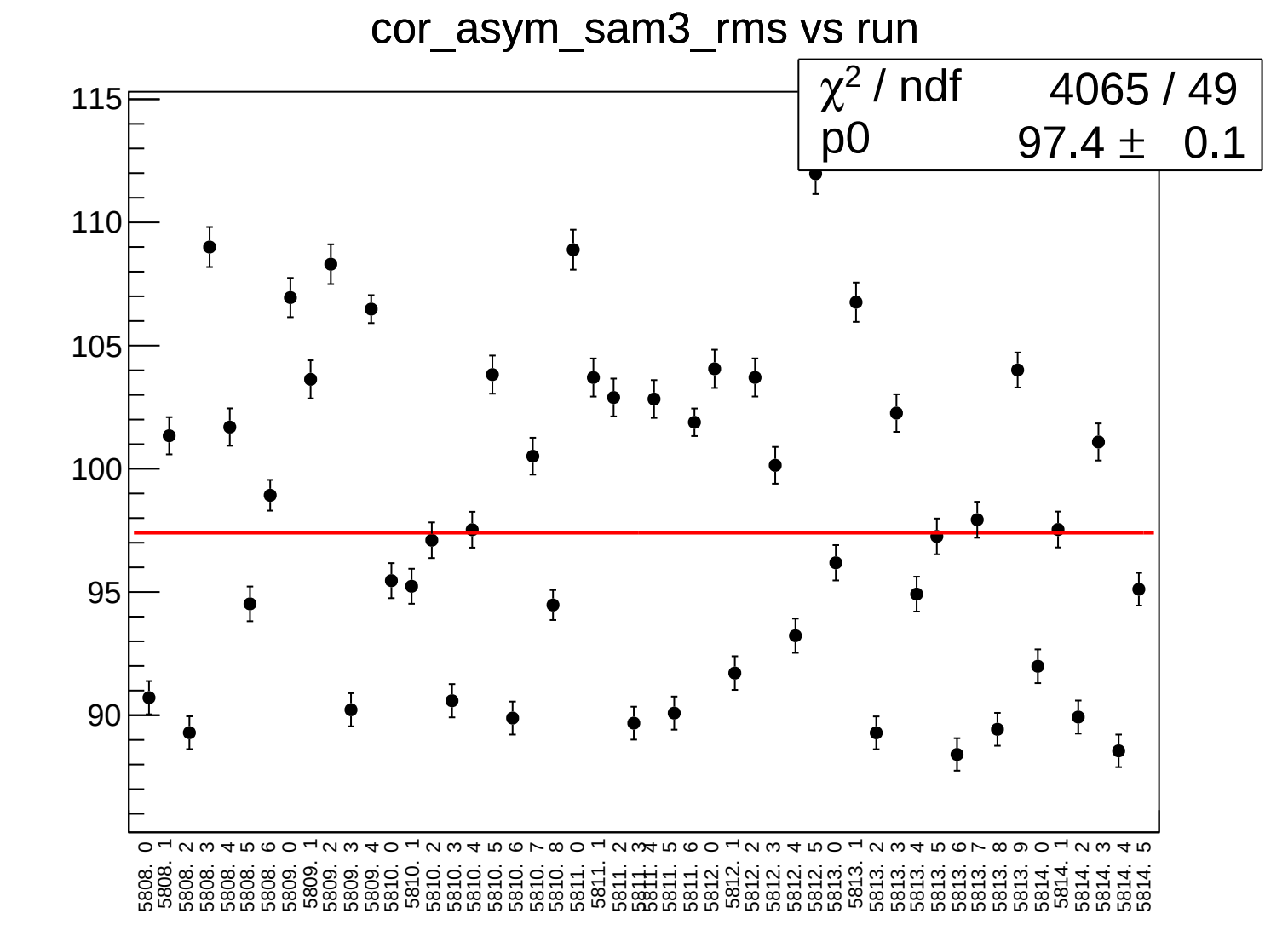

asym_sam3_reg_correction_mean vs run
χ² / ndf 60.67 / 49
p0 −4546 ± 2031
pull
Entries 50
Mean −201.4
Std Dev 0

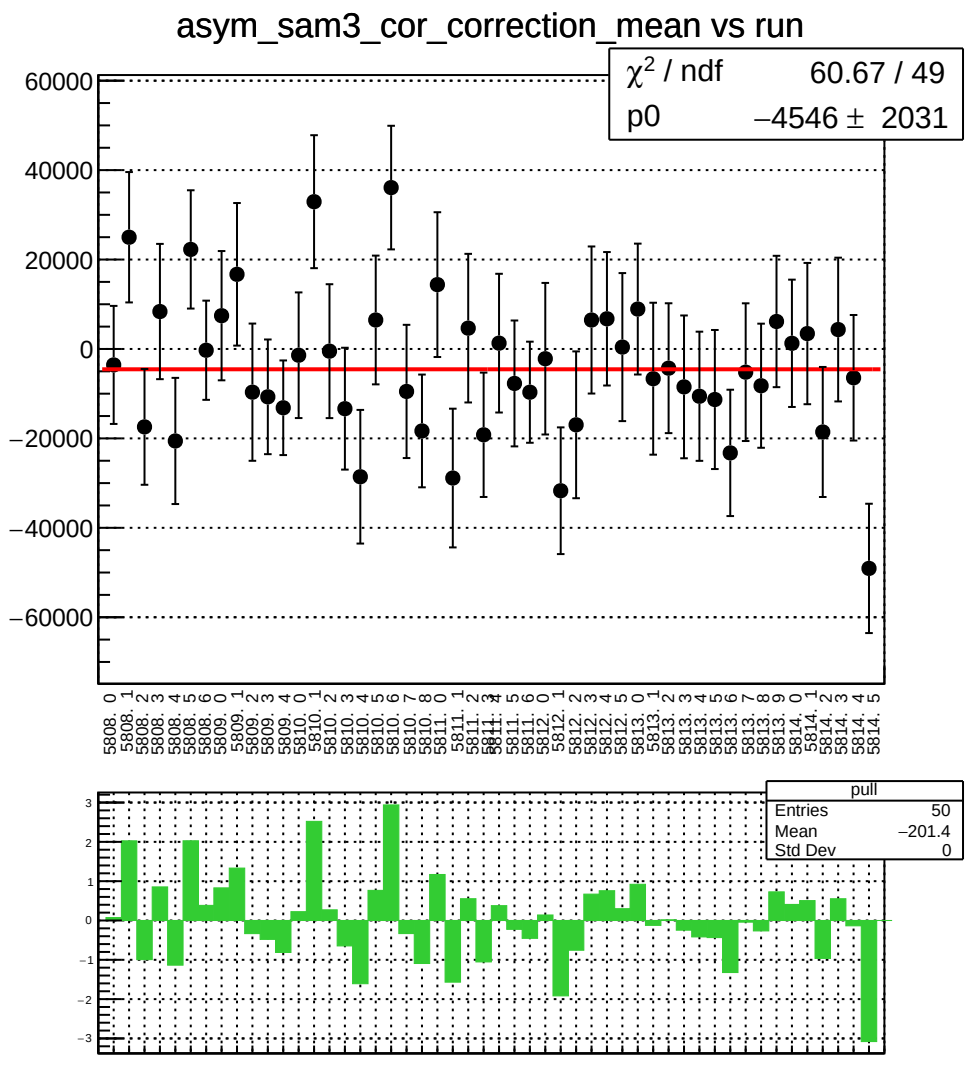

pull1D
Entries 50
Mean 0.01809
Std Dev 1.101

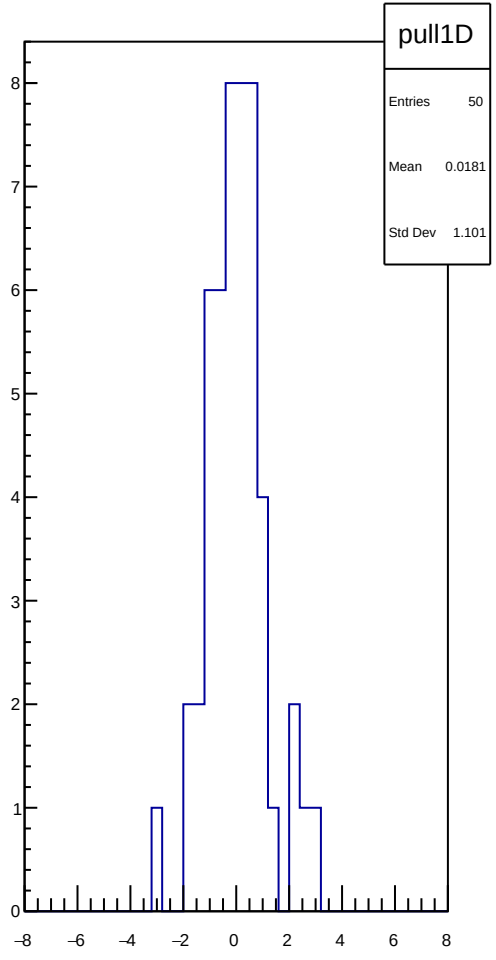

asym_sam3_reg_correction_rms vs run
χ² / ndf 4755 / 49
p0 1398 ± 1.436
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

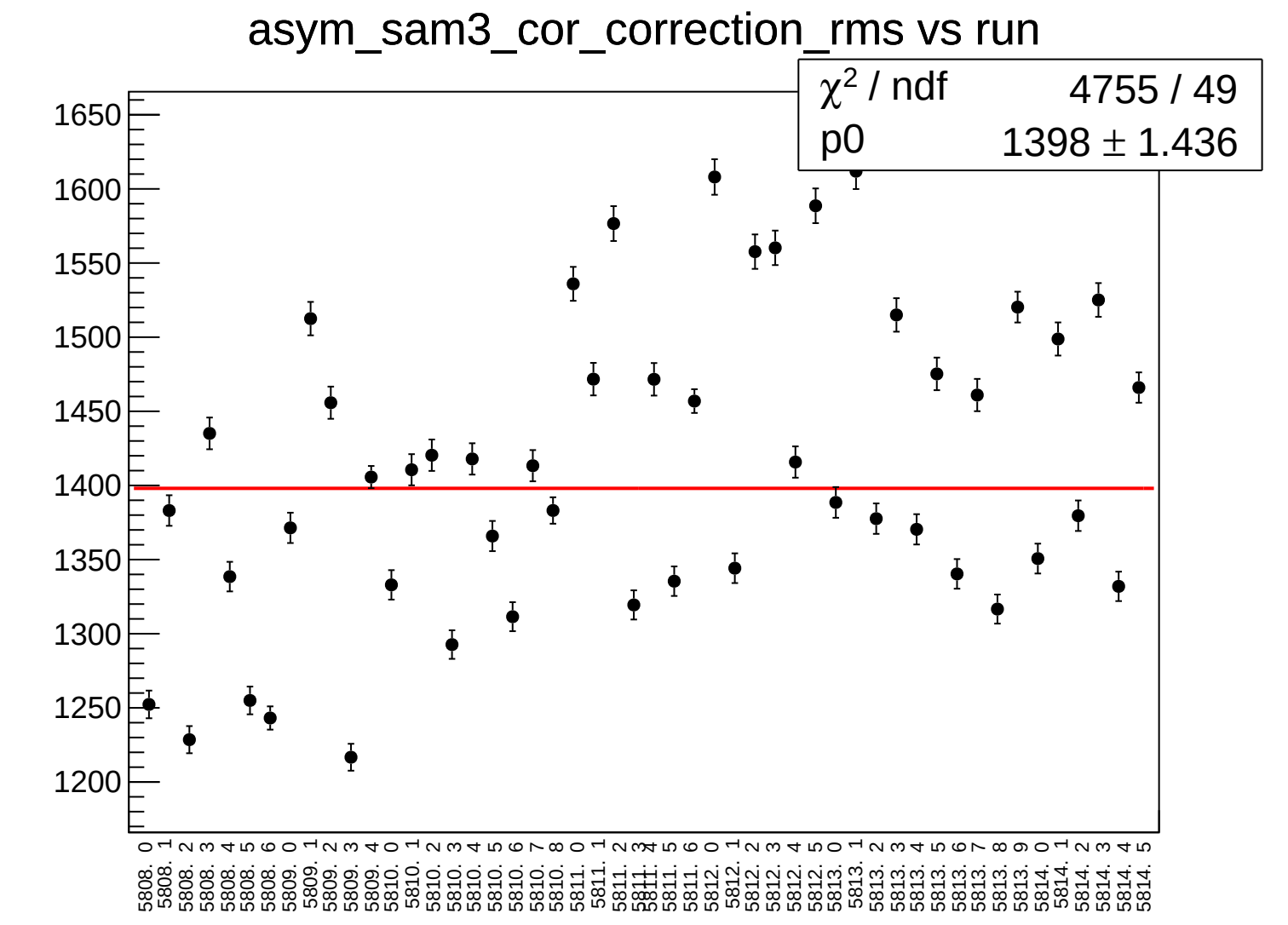

cor_asym_sam3_mean vs run
χ² / ndf 66.5 / 49
p0 −227.9 ± 141.5
pull
Entries 50
Mean 134.3
Std Dev 0

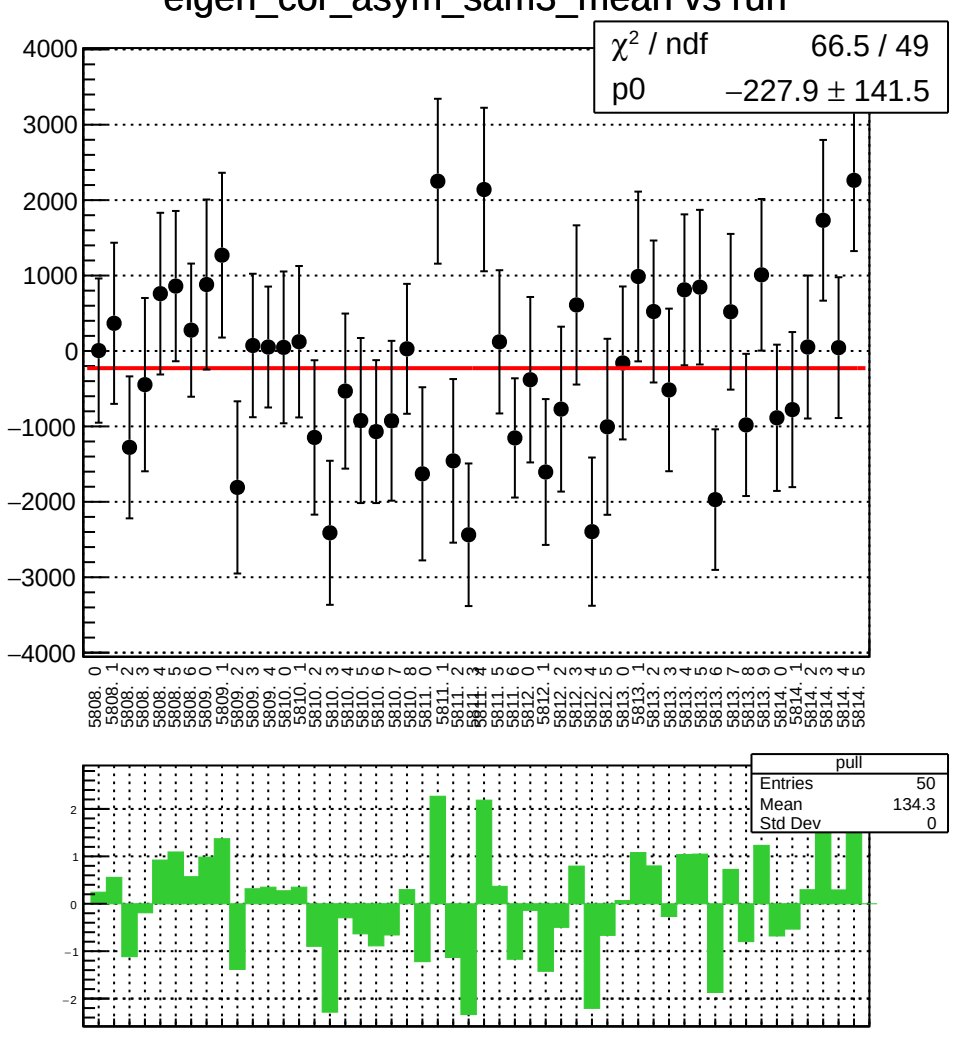

pull1D
Entries 50
Mean 0.01437
Std Dev 1.153

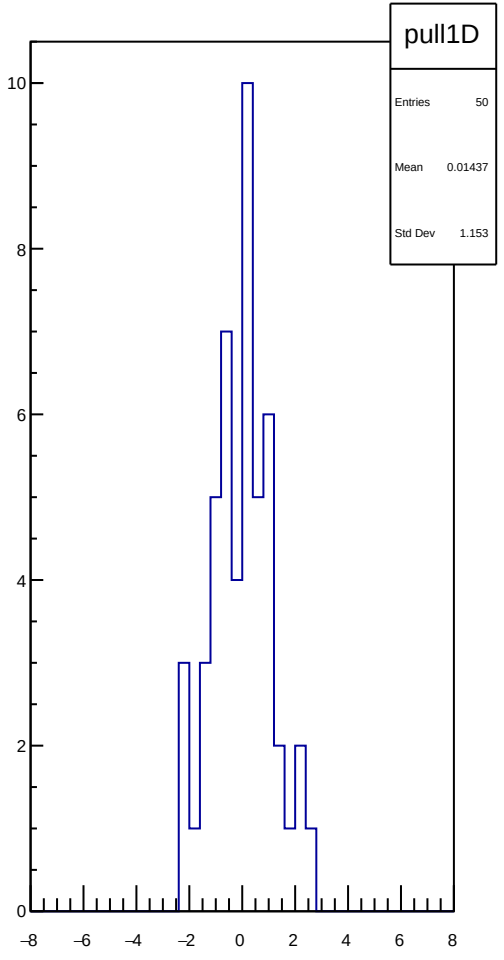

cor_asym_sam3_rms vs run
χ² / ndf 4065 / 49
p0 97.4 ± 0.1
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

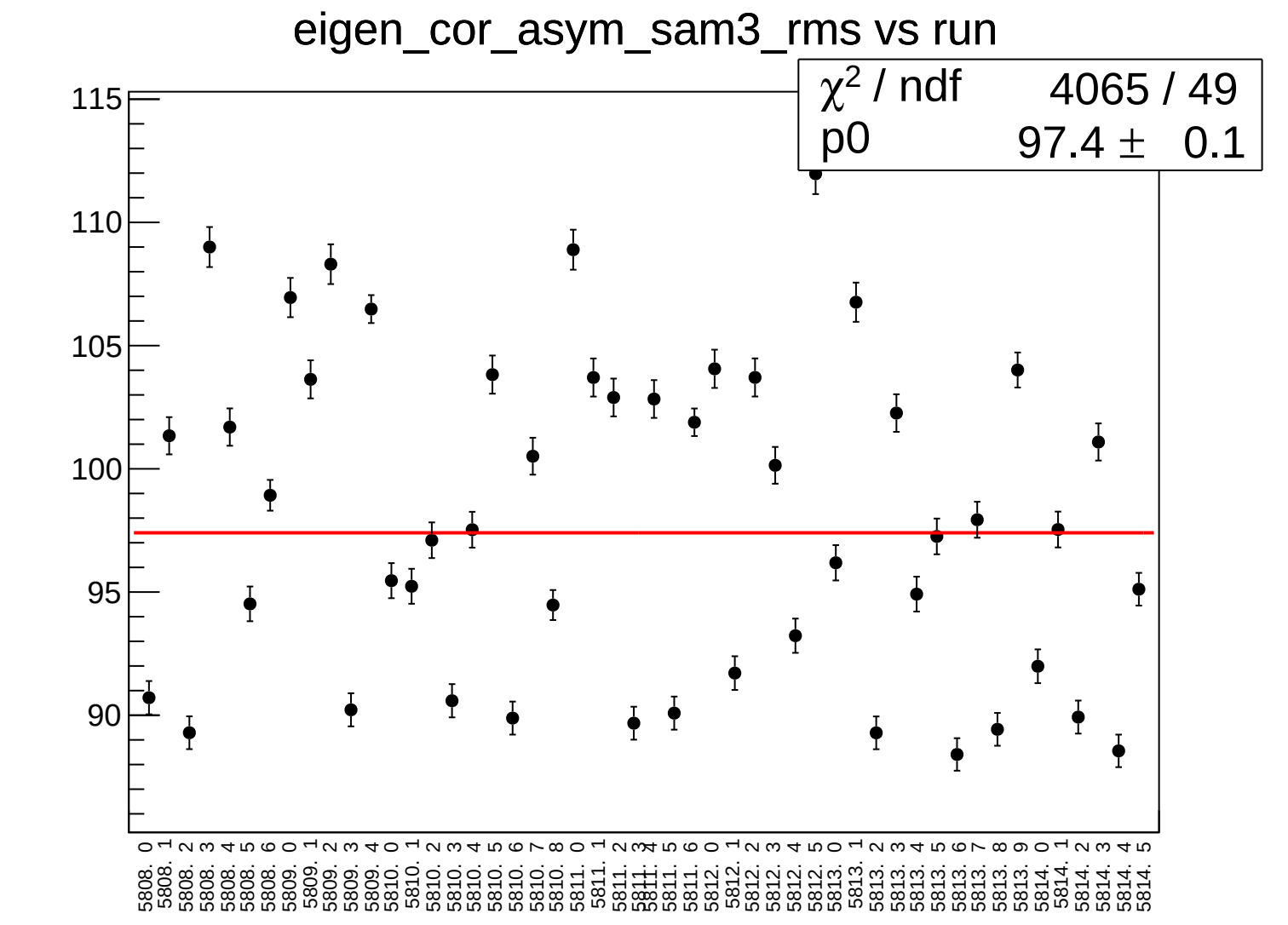

asym_sam3_cor_correction_mean vs run
χ² / ndf 60.67 / 49
p0 −4546 ± 2031
pull
Entries 50
Mean −201.4
Std Dev 0

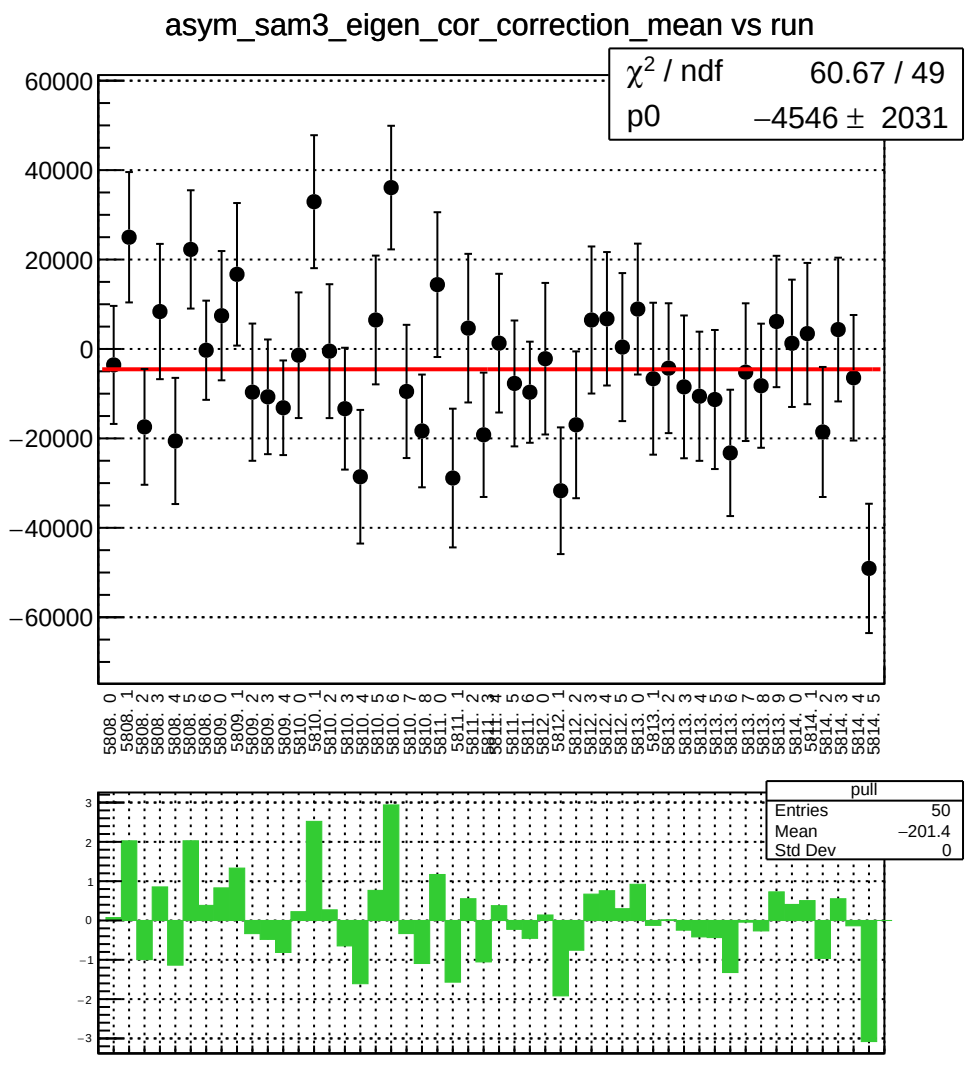

pull1D
Entries 50
Mean 0.0181
Std Dev 1.101

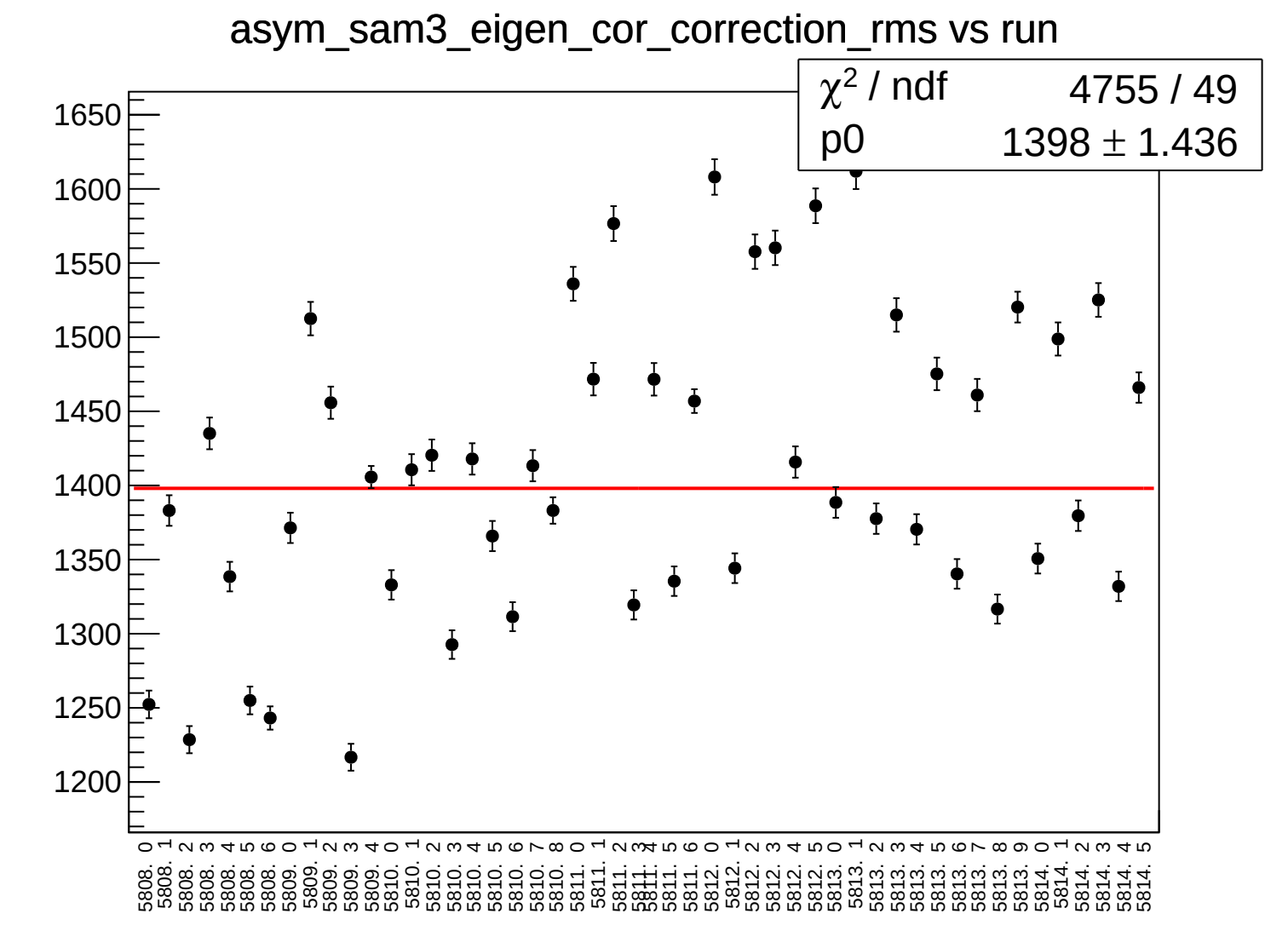

asym_sam3_cor_correction_rms vs run
χ² / ndf 4755 / 49
p0 1398 ± 1.436
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

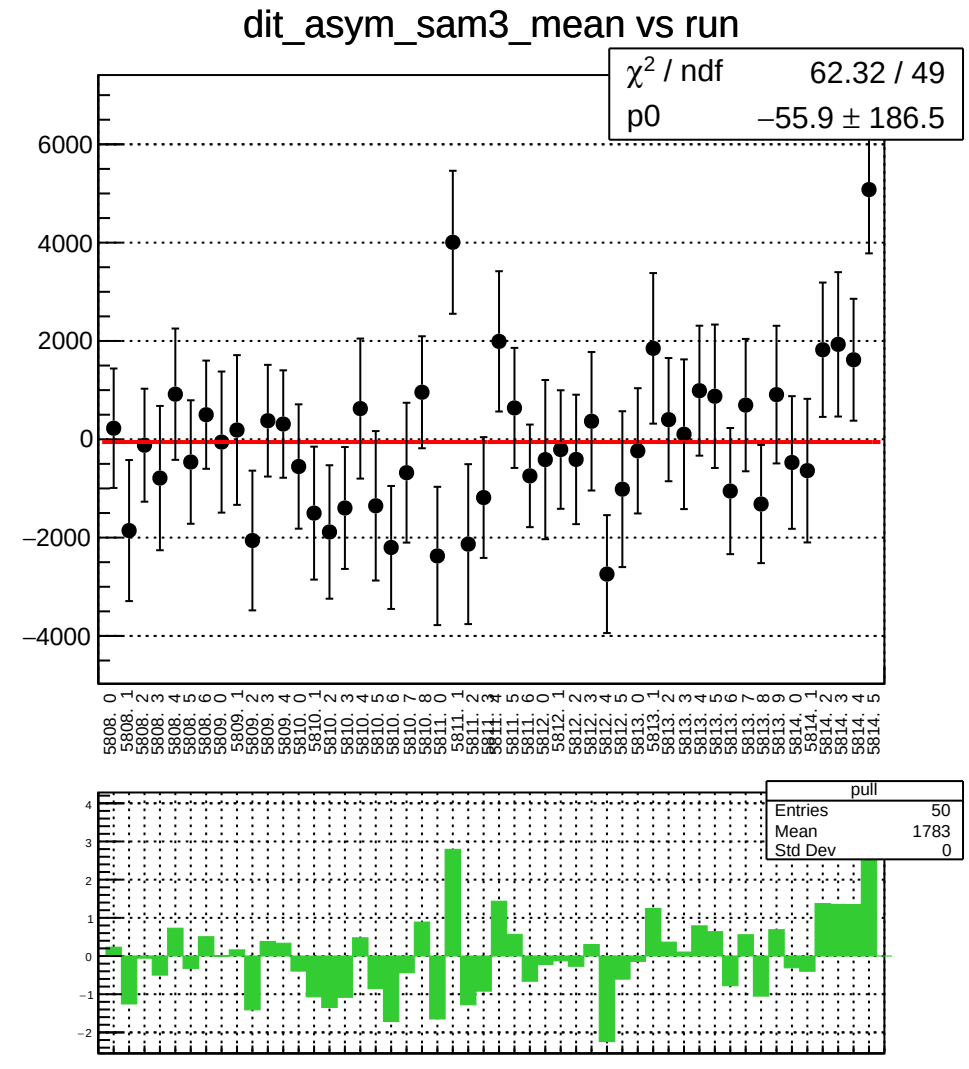

eigen_cor_asym_sam3_mean vs run
χ² / ndf 66.5 / 49
p0 −227.9 ± 141.5
pull
Entries 50
Mean 134.3
Std Dev 0

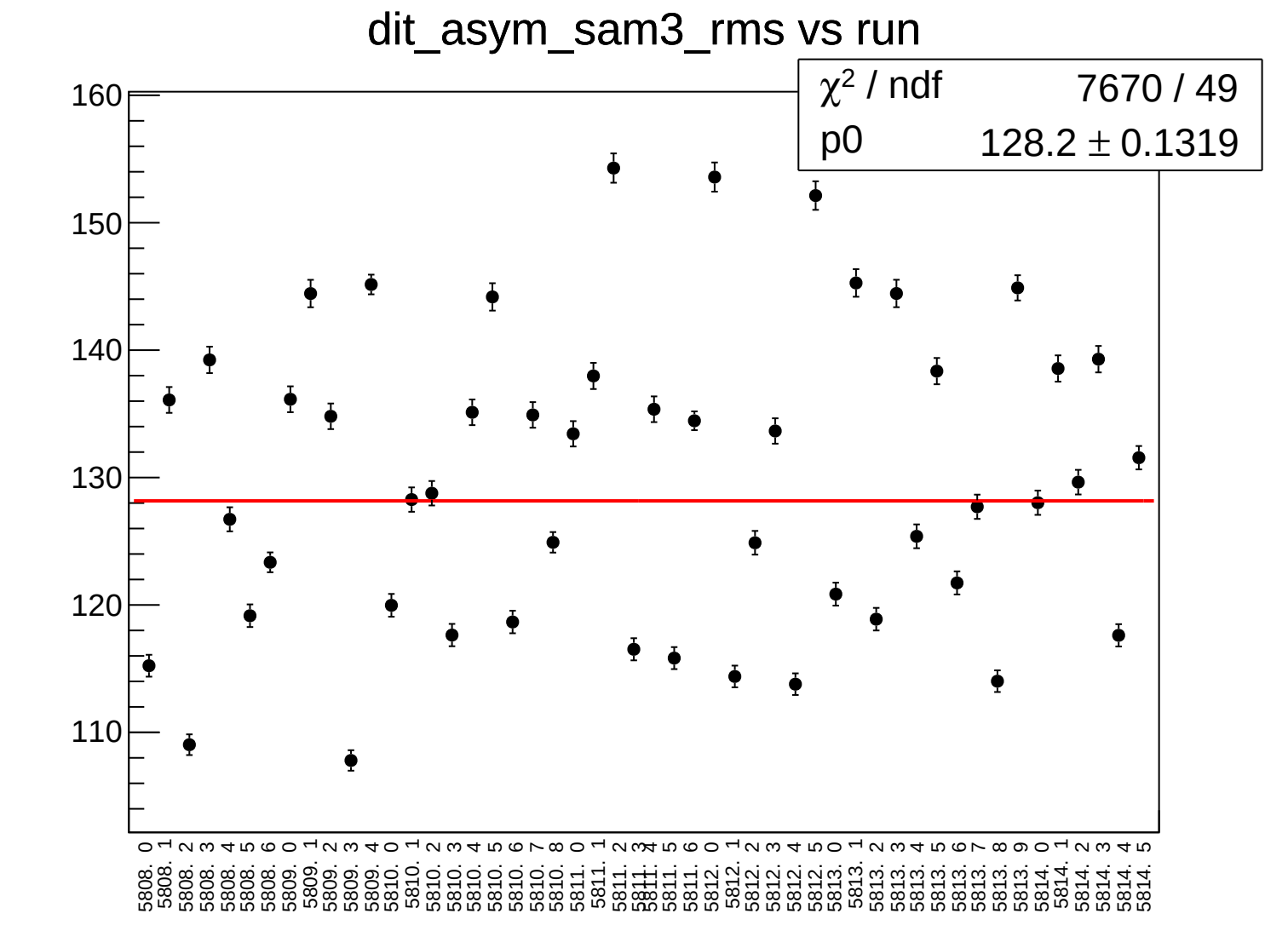

pull1D
Entries 50
Mean 0.01437
Std Dev 1.153


eigen_cor_asym_sam3_rms vs run
χ² / ndf 4065 / 49
p0 97.4 ± 0.1
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 60.67 / 49
p0 −4546 ± 2031
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −201.4
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.0181
Std Dev 1.101
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 4755 / 49
p0 1398 ± 1.436
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam3_mean vs run
χ² / ndf 62.32 / 49
p0 −55.9 ± 186.5
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1783
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.002981
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam3_rms vs run
χ² / ndf 7670 / 49
p0 128.2 ± 0.1319
160
150
140
130
120
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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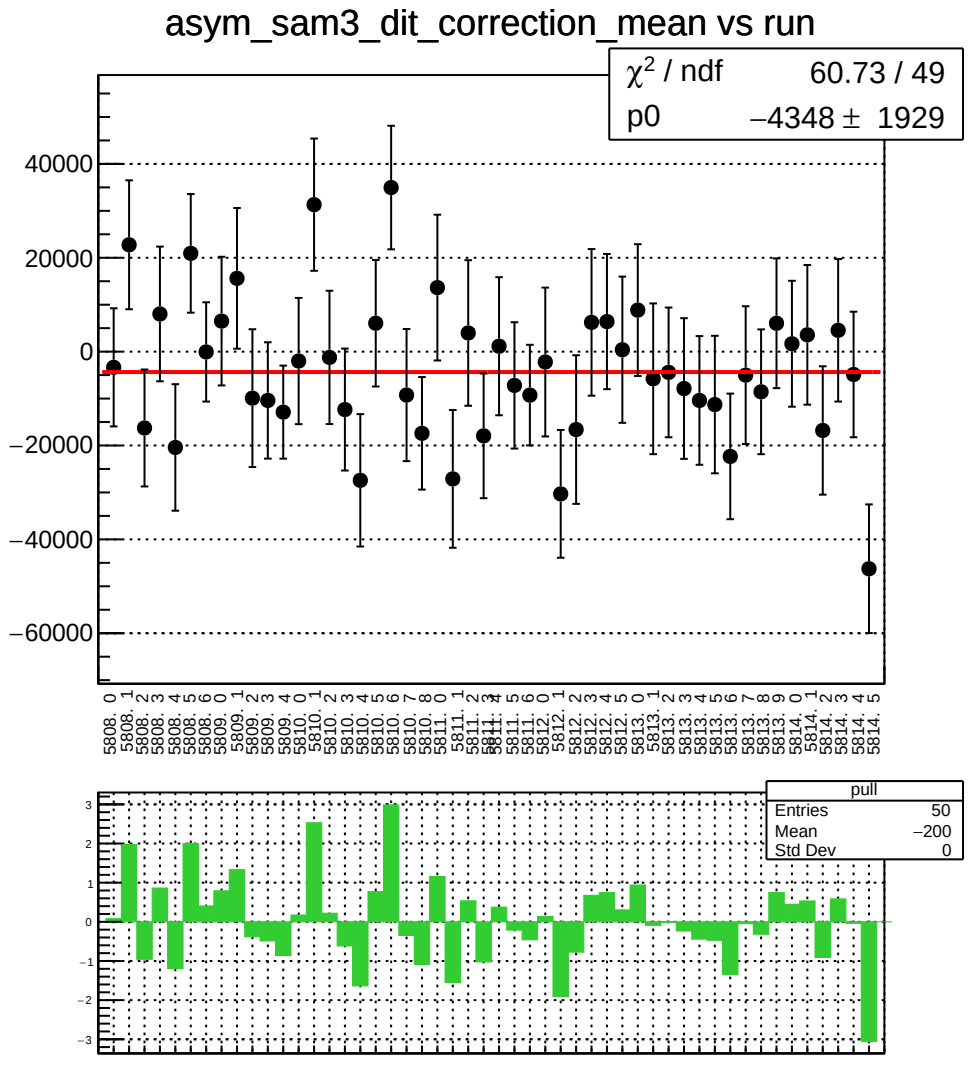
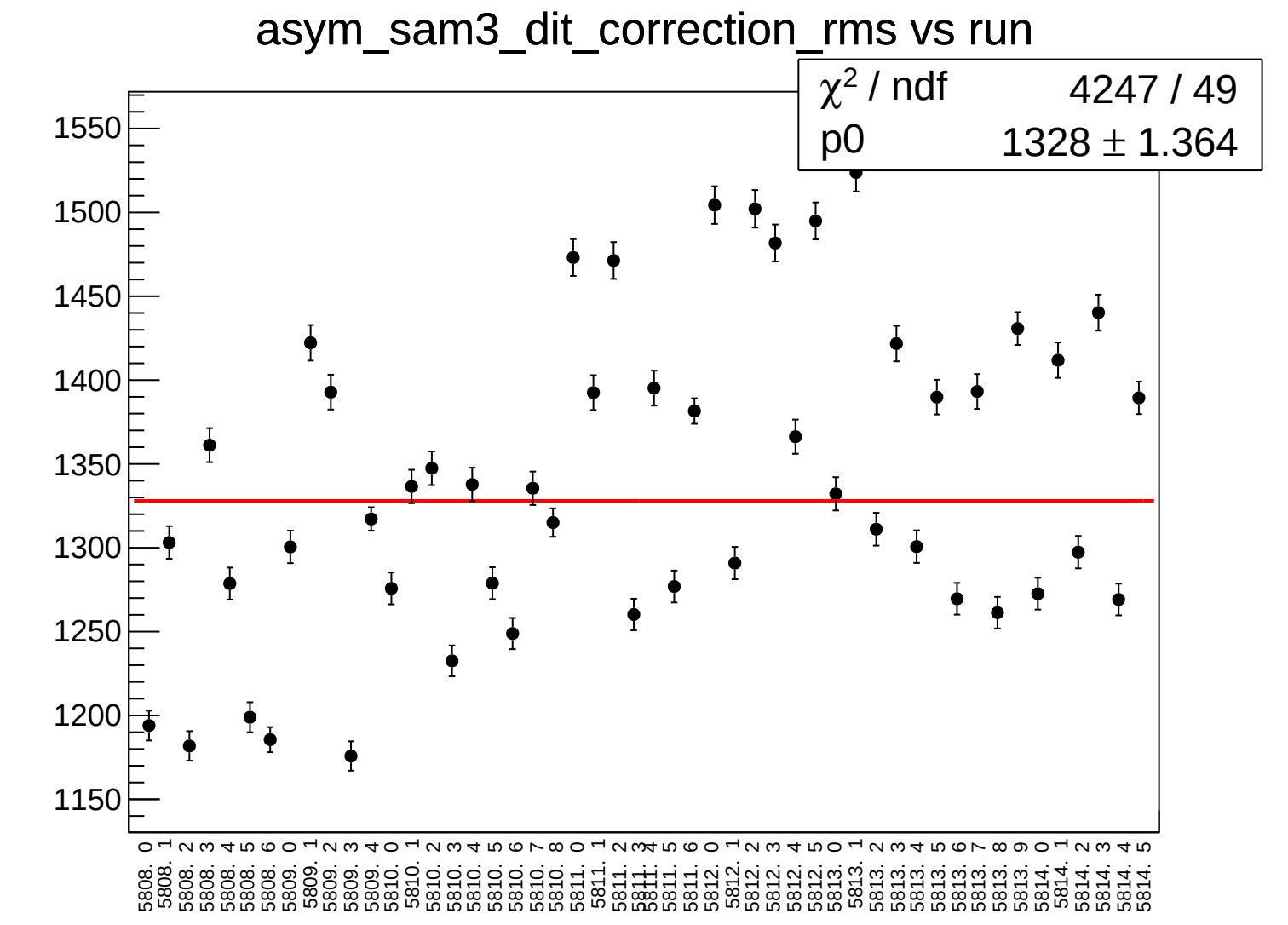
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_dit_correction_mean vs run
χ² / ndf 60.73 / 49
p0 −4348 ± 1929
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −200
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01742
Std Dev 1.102
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_dit_correction_rms vs run
χ² / ndf 4247 / 49
p0 1328 ± 1.364
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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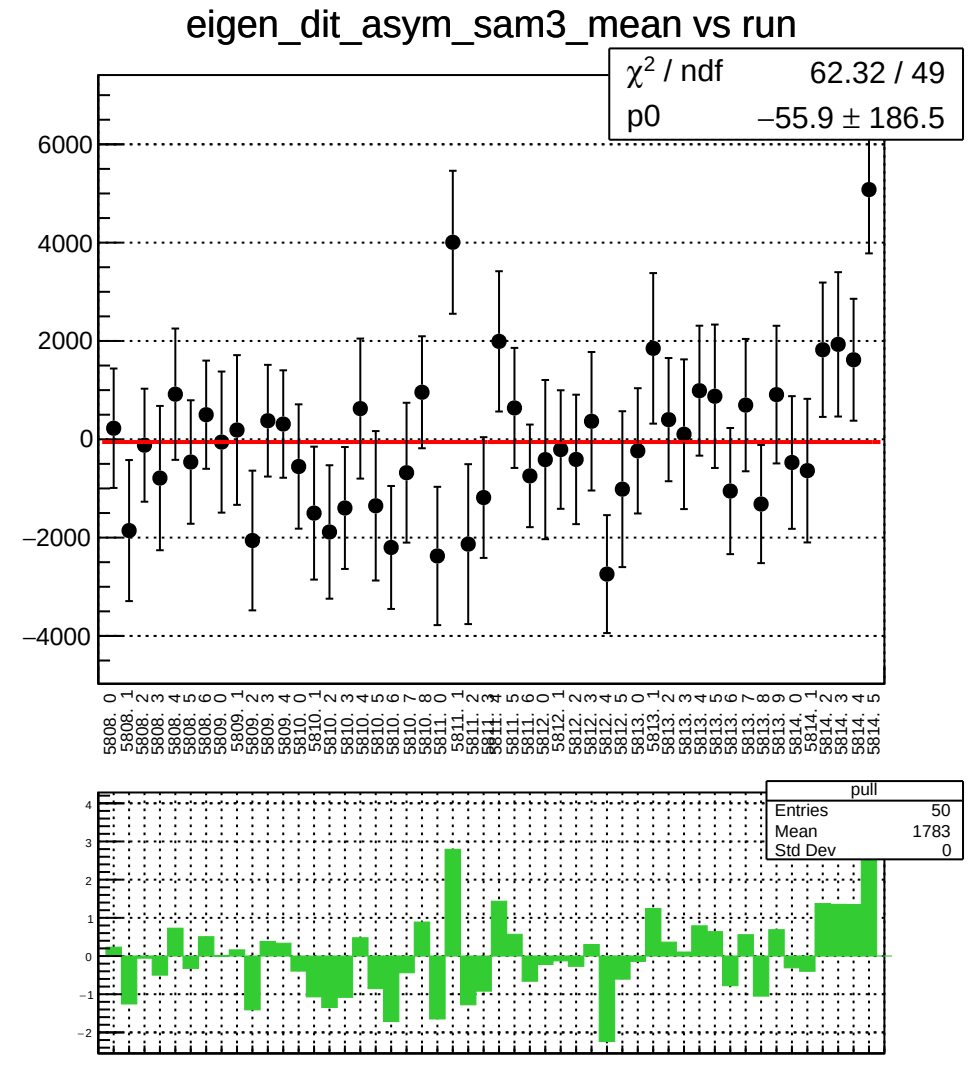
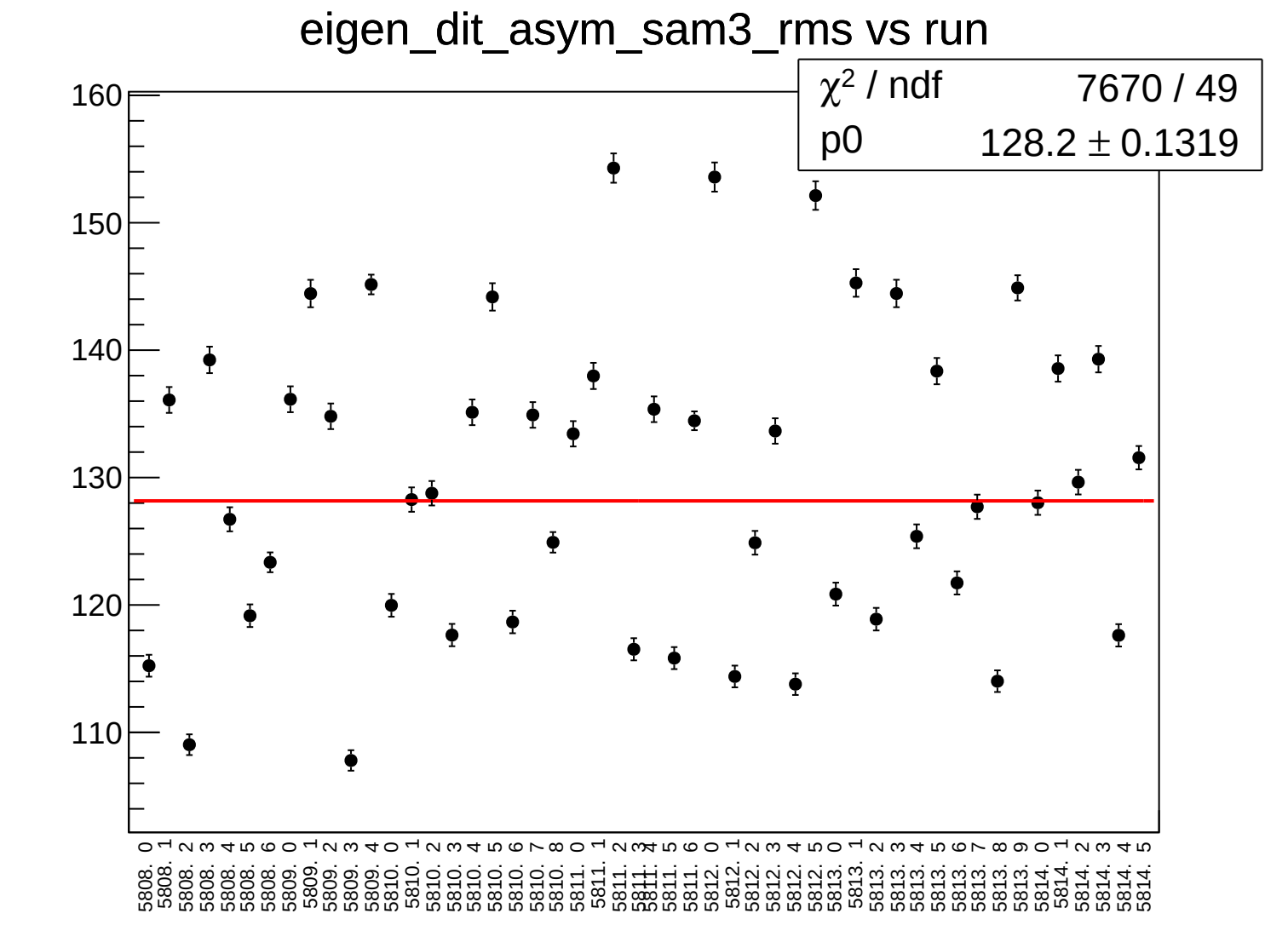
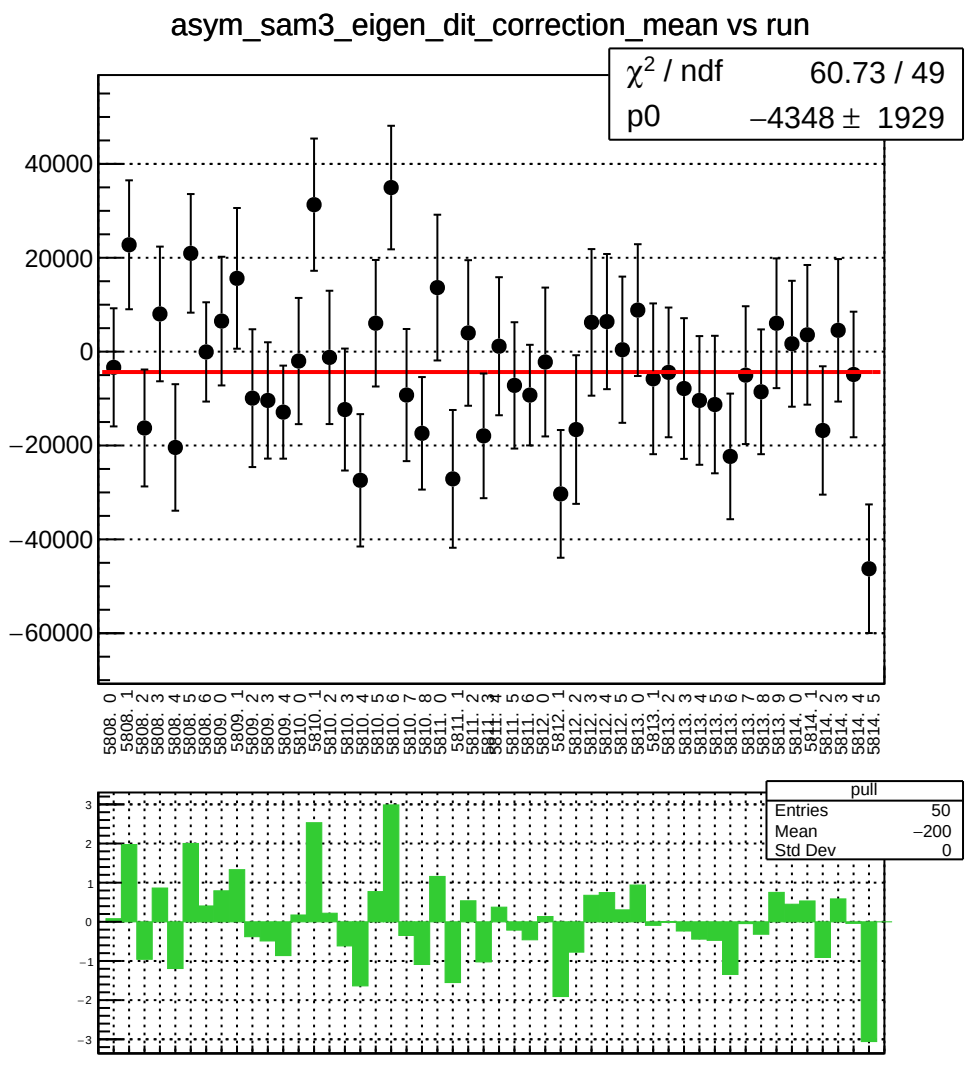
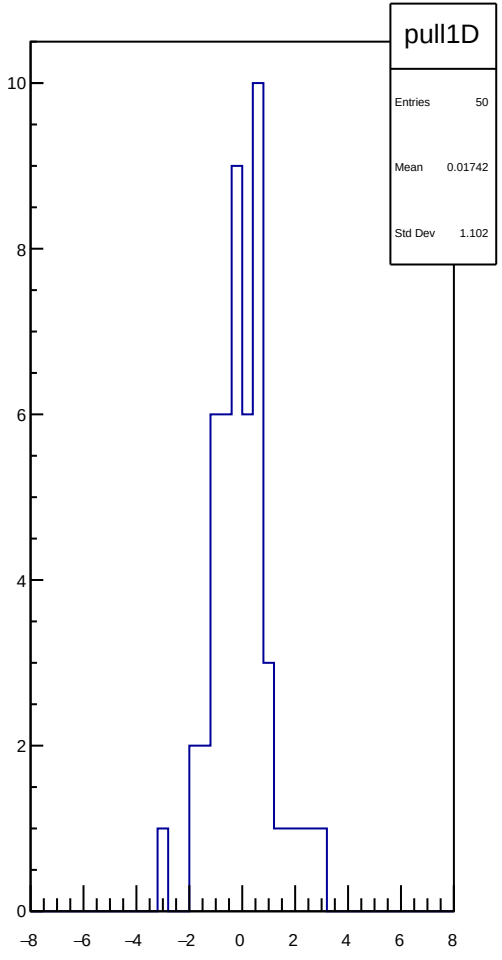
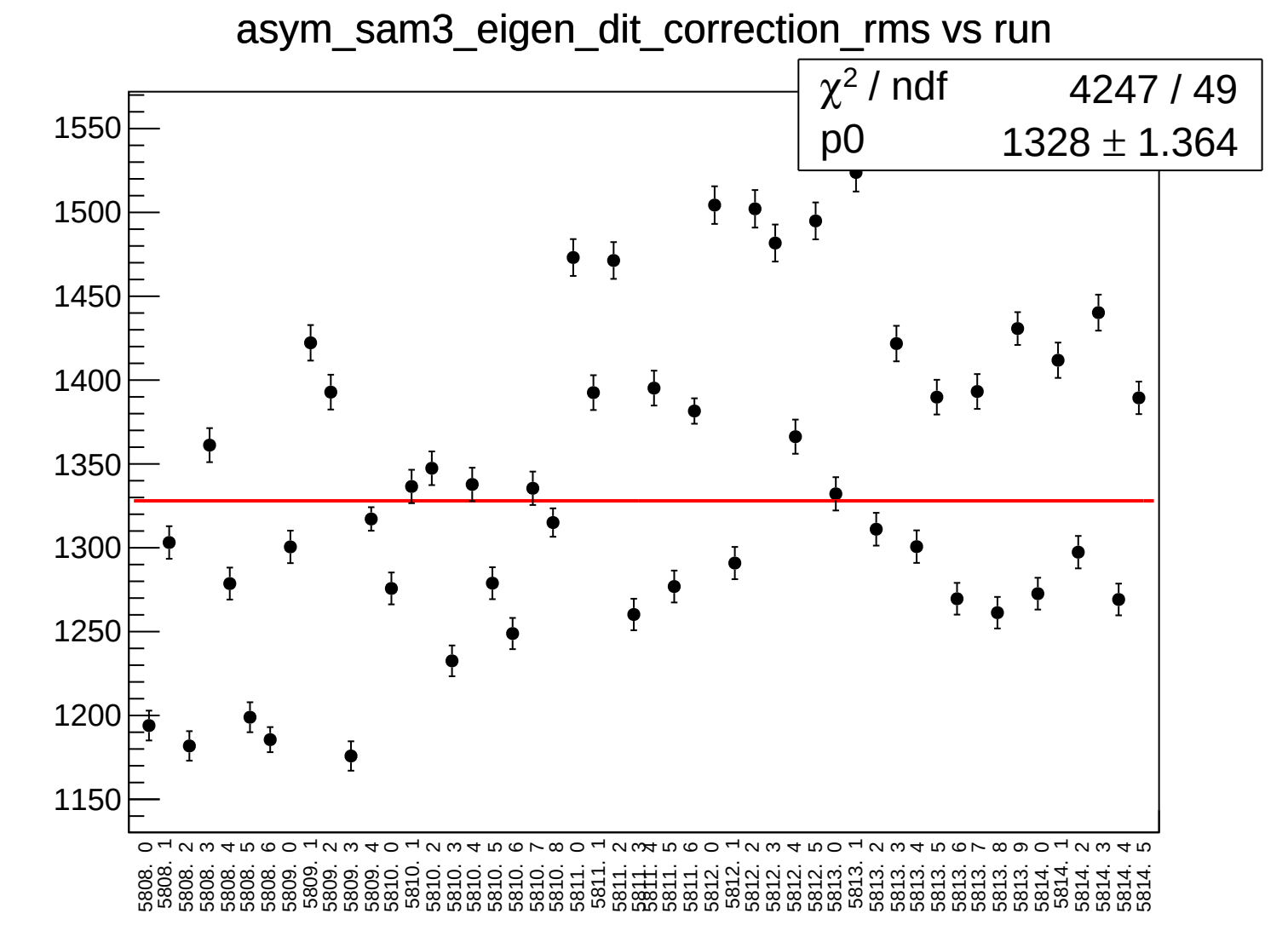
5814. 4
5814. 5


eigen_dit_asym_sam3_mean vs run
χ² / ndf 62.32 / 49
p0 −55.9 ± 186.5
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1783
Std Dev 0
4
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.002981
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam3_rms vs run
χ² / ndf 7670 / 49
p0 128.2 ± 0.1319
160
150
140
130
120
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 60.73 / 49
p0 −4348 ± 1929
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −200
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01742
Std Dev 1.102
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 4247 / 49
p0 1328 ± 1.364
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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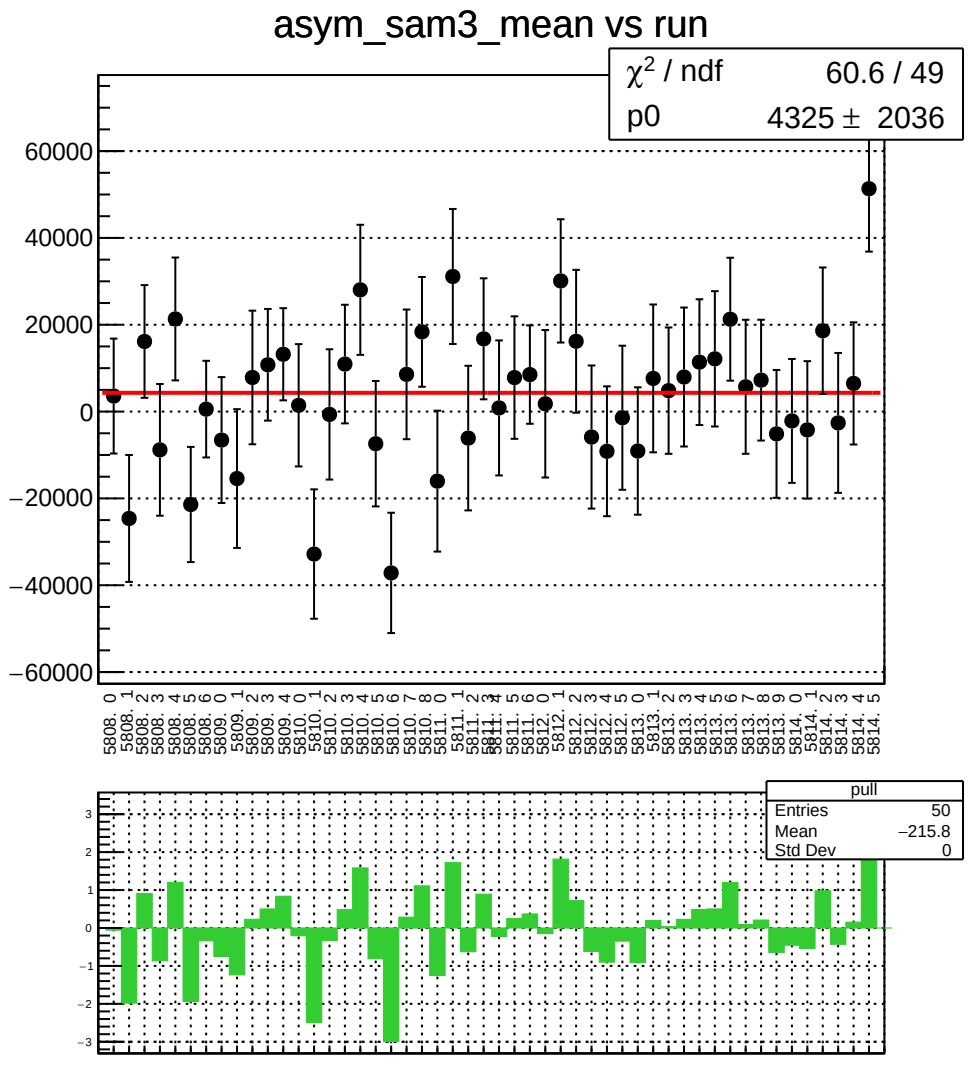
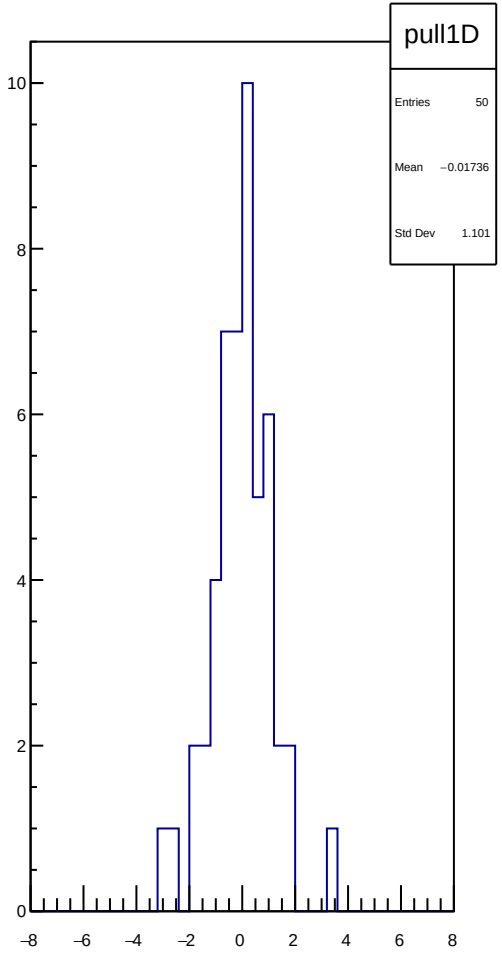
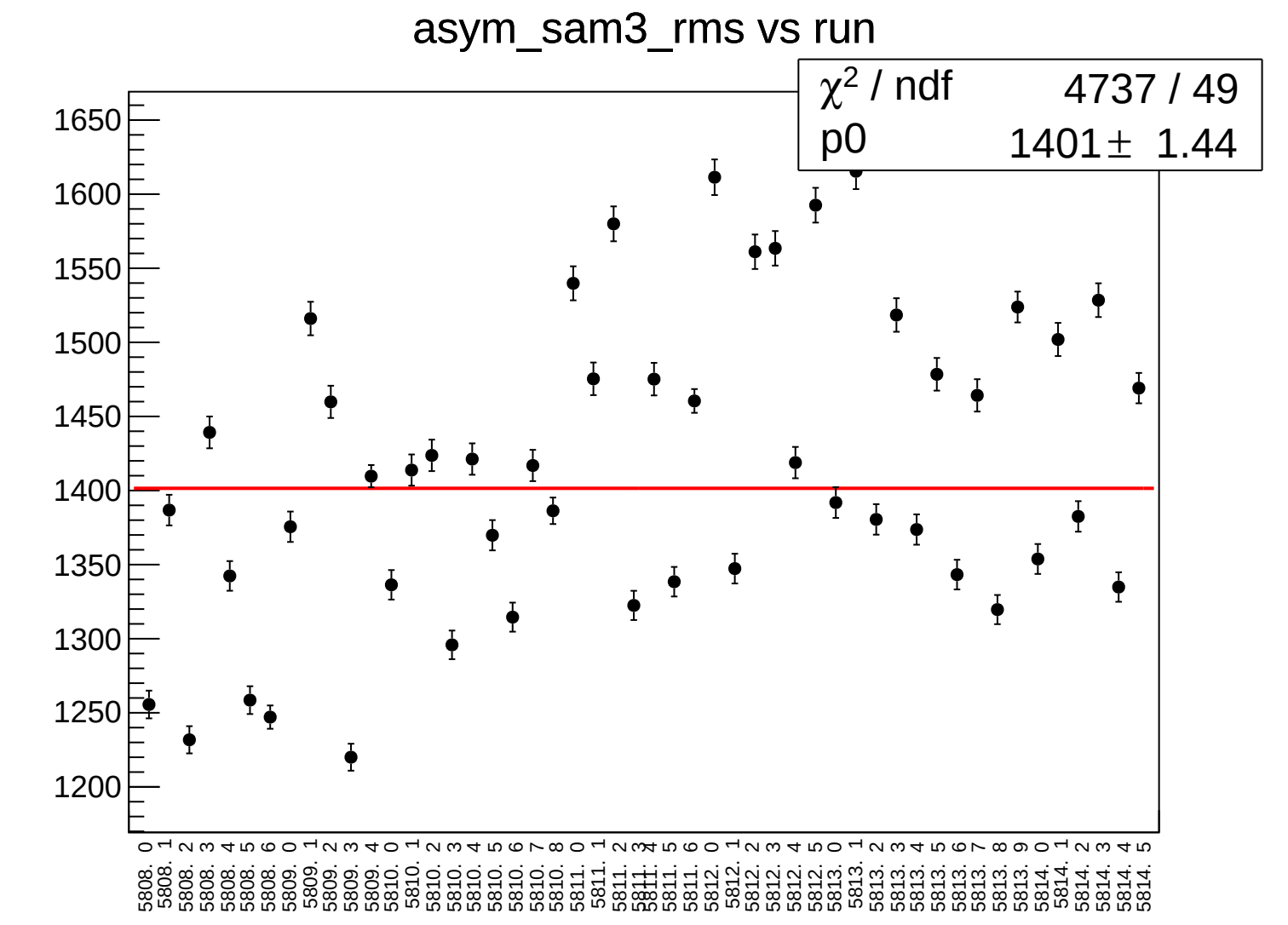
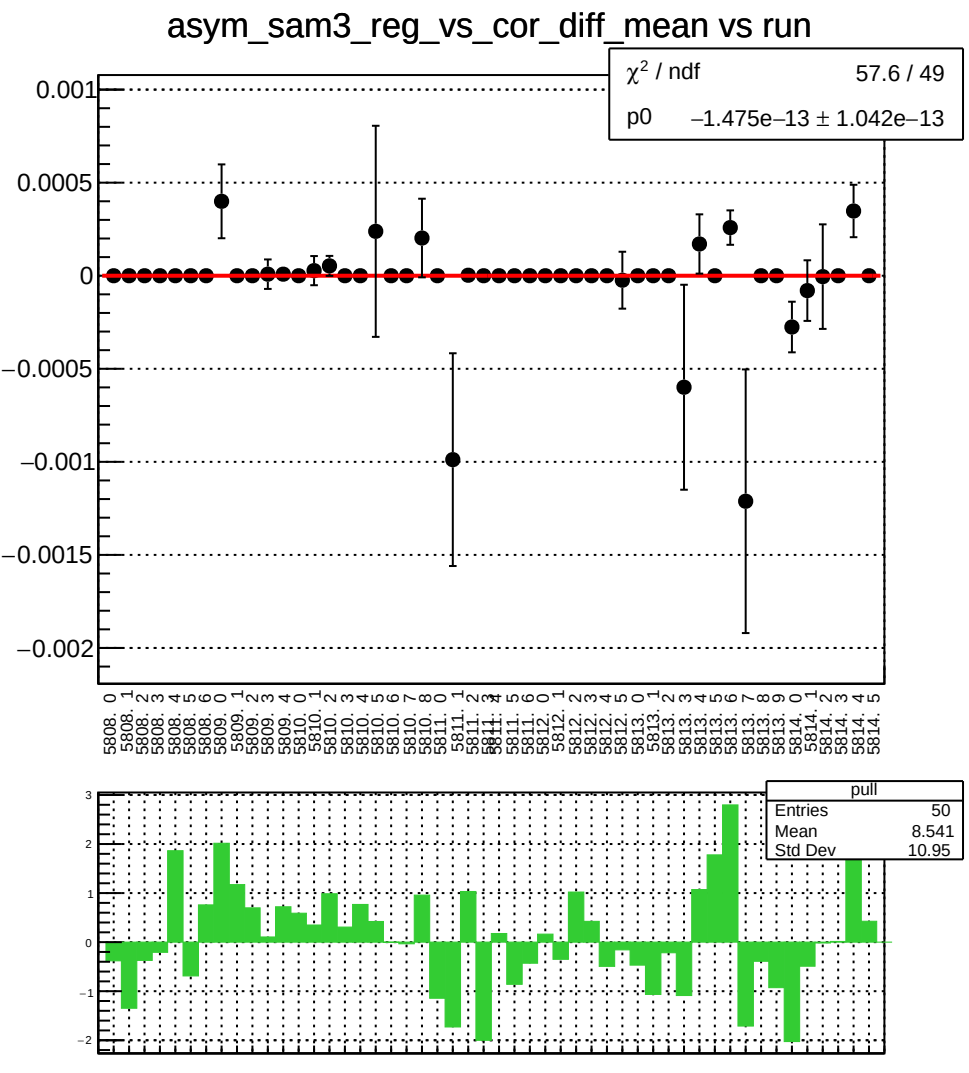
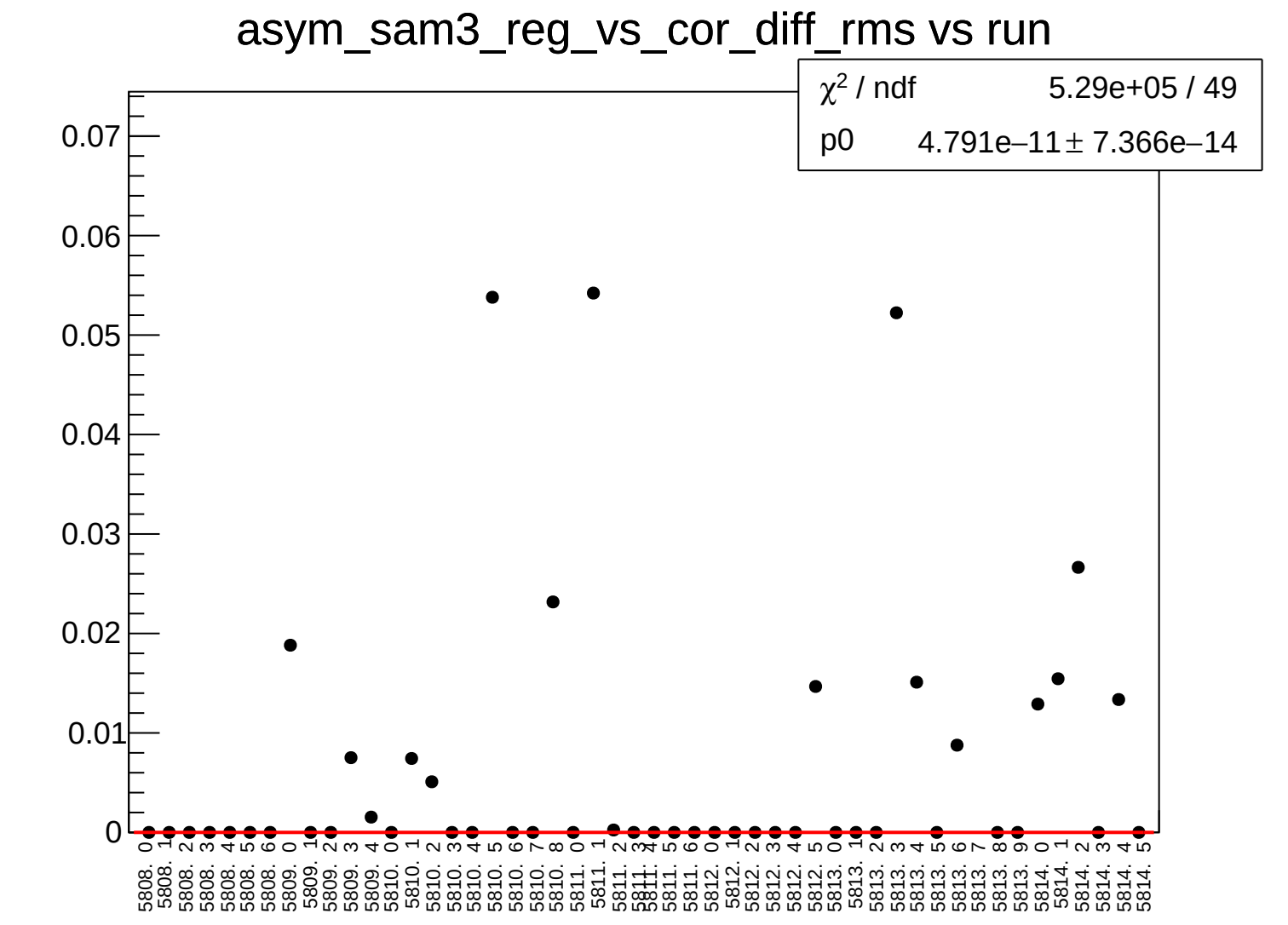
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

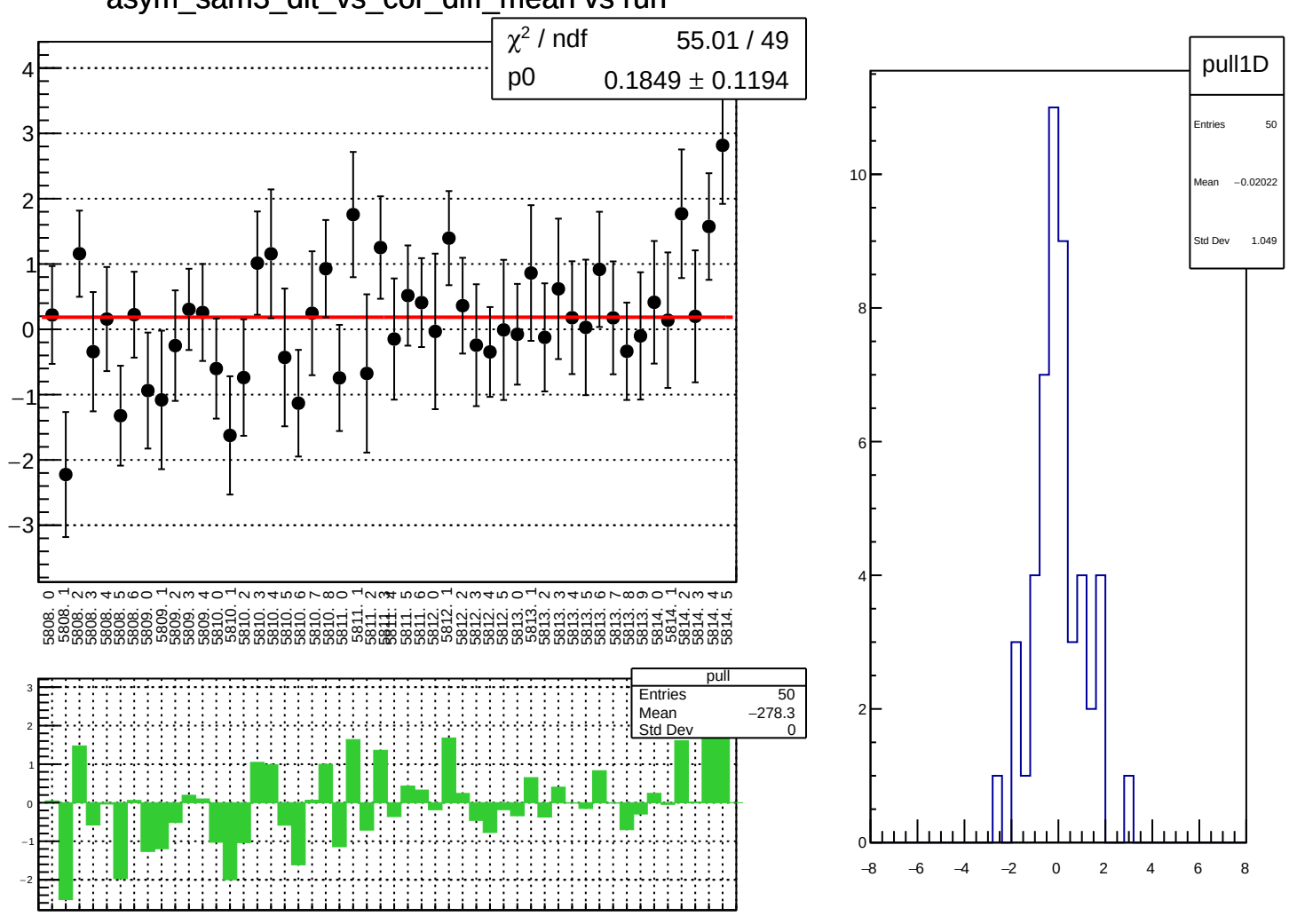

asym_sam3_mean vs run
χ² / ndf 60.6 / 49
p0 4325 ± 2036
pull
Entries 50
Mean −215.8
Std Dev 0

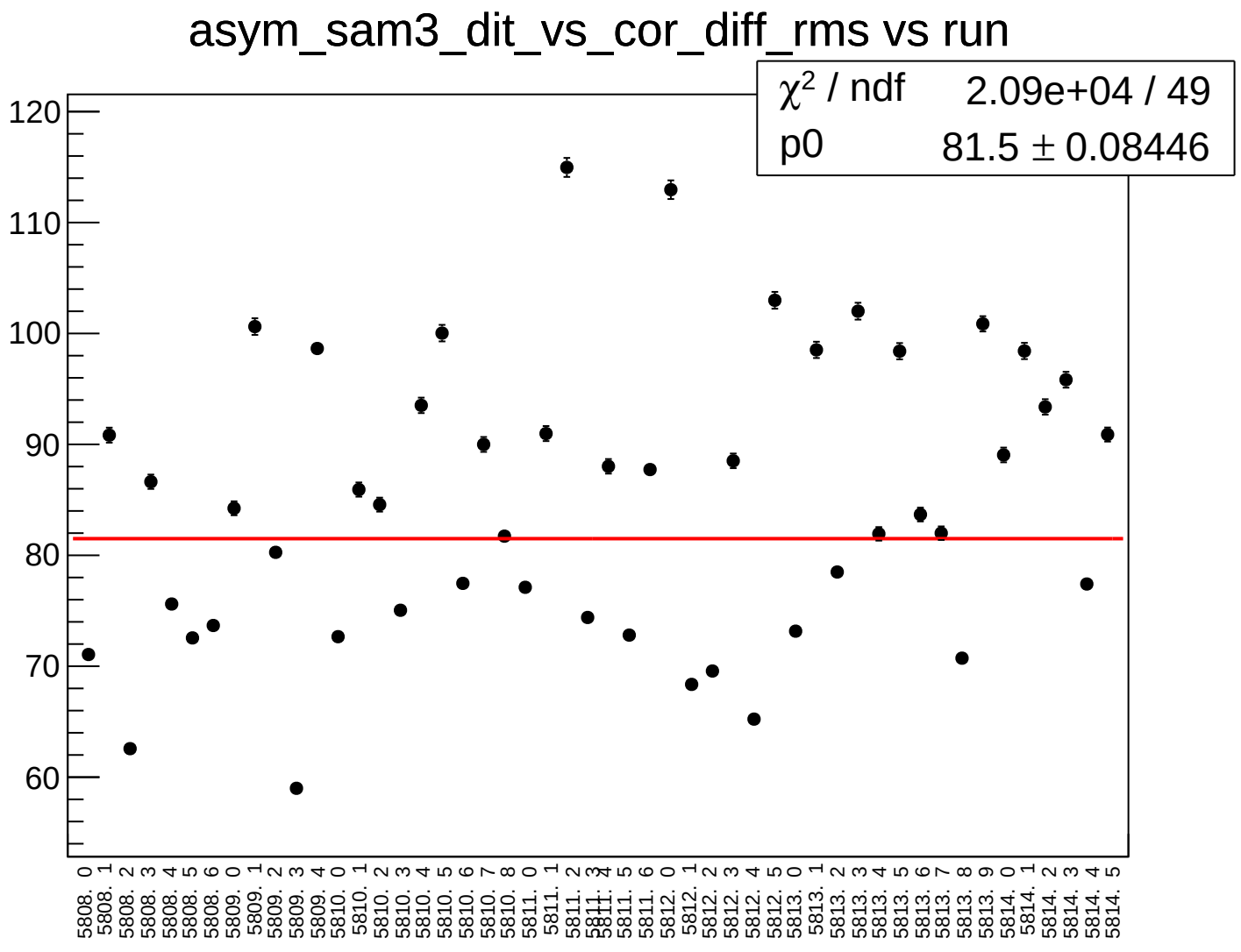

pull1D
Entries 50
Mean −0.01736
Std Dev 1.101

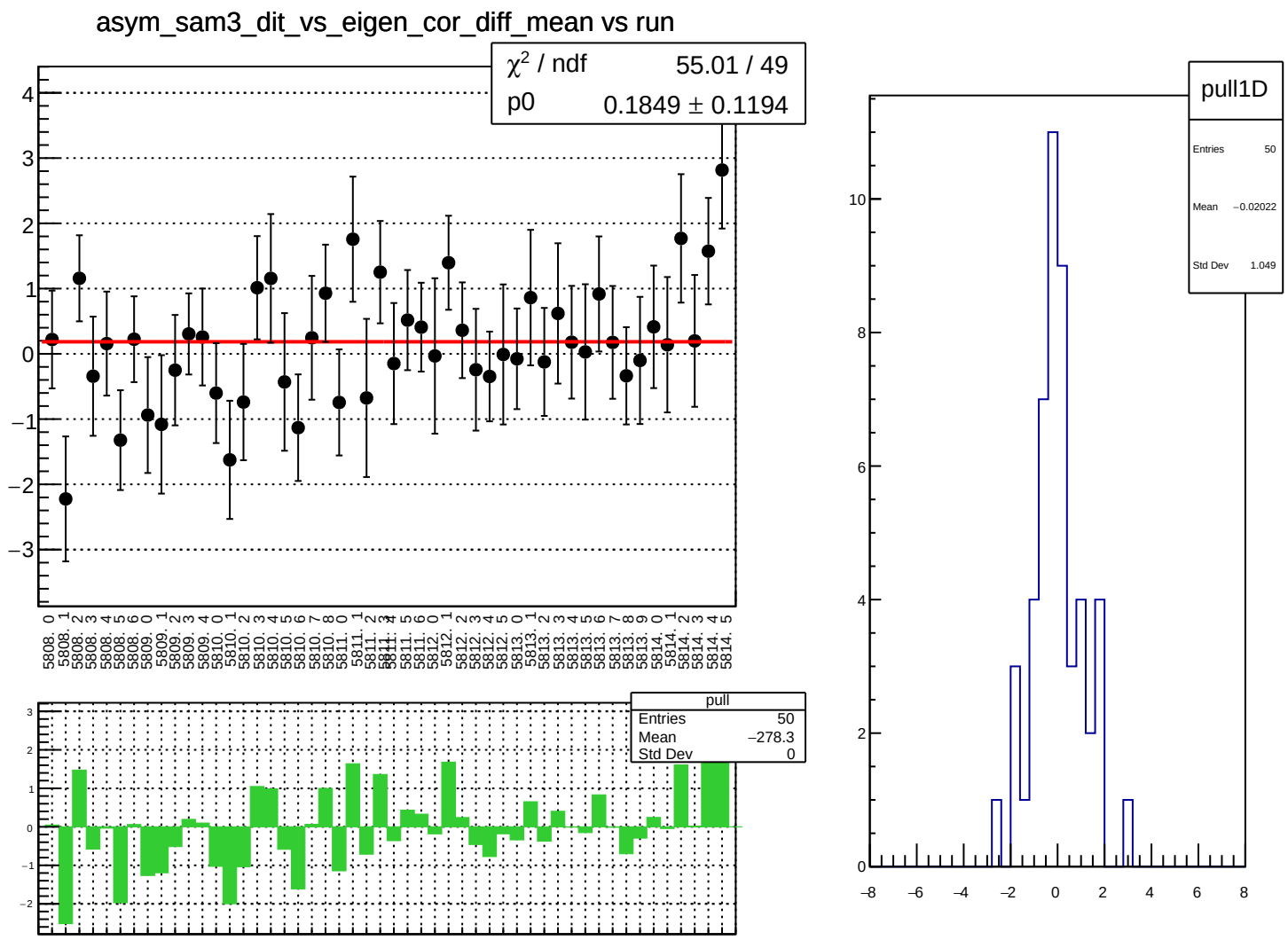

asym_sam3_rms vs run
χ² / ndf 4737 / 49
p0 1401 ± 1.44
1650
1600
1550
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

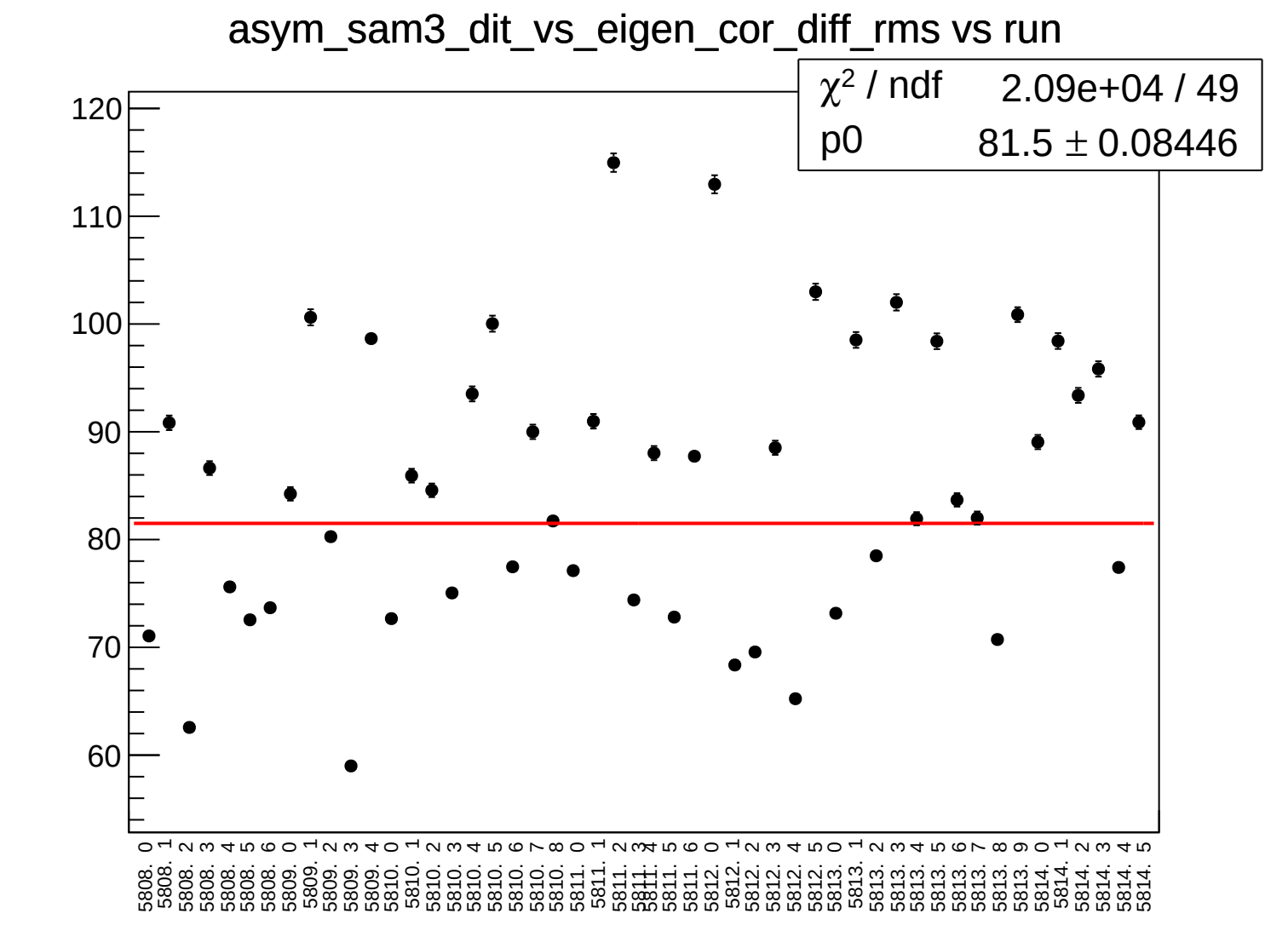

asym_sam3_reg_vs_cor_diff_mean vs run
χ² / ndf 57.6 / 49
p0 −1.475e−13 ± 1.042e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 8.541
Std Dev 10.95
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.08969
Std Dev 1.07
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

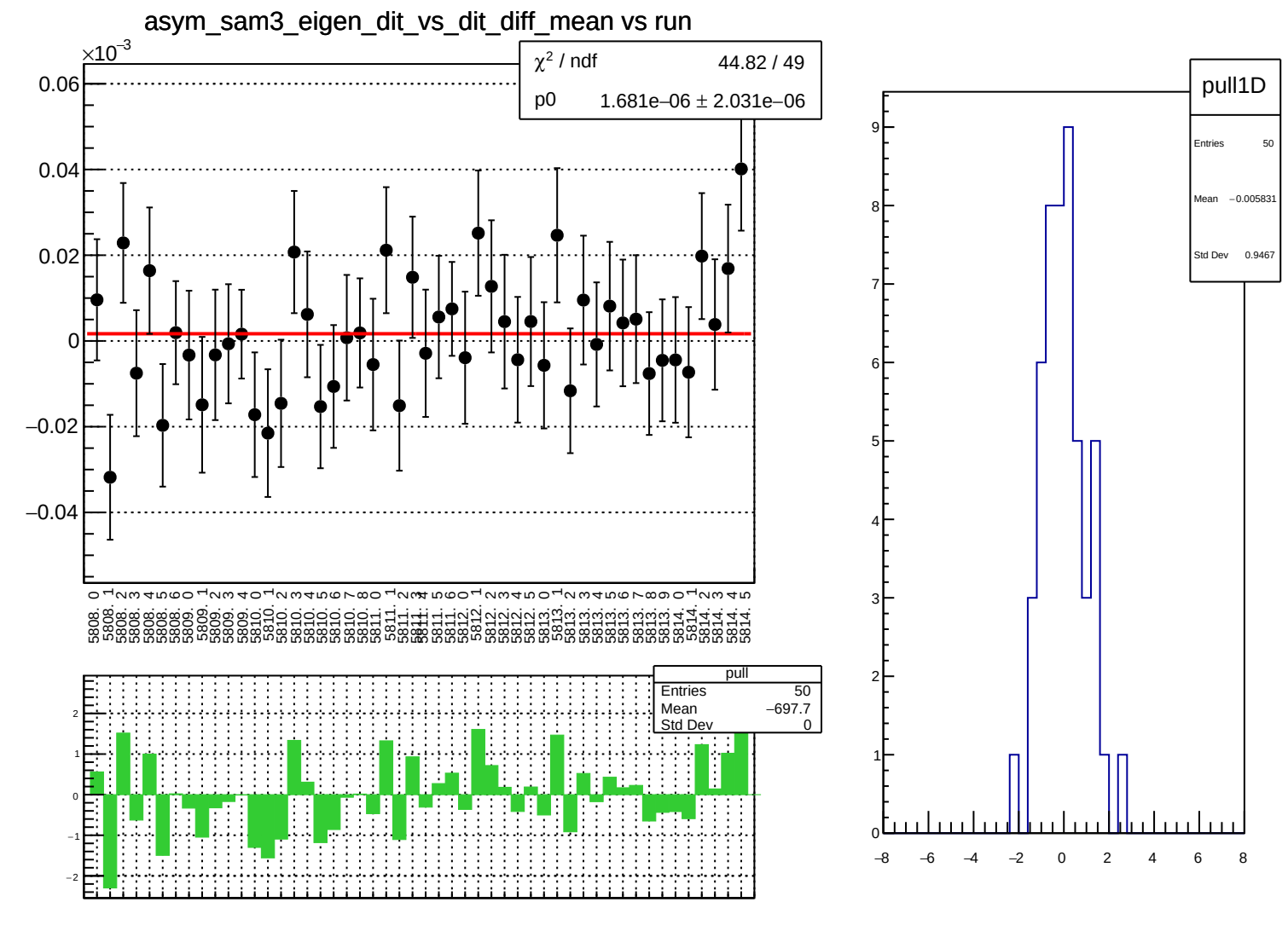

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 5.29e+05 / 49
p0 4.791e−11 ± 7.366e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 55.01 / 49
p0 0.1849 ± 0.1194
pull
Entries 50
Mean −278.3
Std Dev 0
pull1D
Entries 50
Mean −0.02022
Std Dev 1.049


asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 2.09e+04 / 49
p0 81.5 ± 0.08446
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.01 / 49
p0 0.1849 ± 0.1194
pull
Entries 50
Mean −278.3
Std Dev 0
pull1D
Entries 50
Mean −0.02022
Std Dev 1.049


asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.09e+04 / 49
p0 81.5 ± 0.08446
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.82 / 49
p0 1.681e−06 ± 2.031e−06
0.06
0.04
0.02
0
−0.02
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 4
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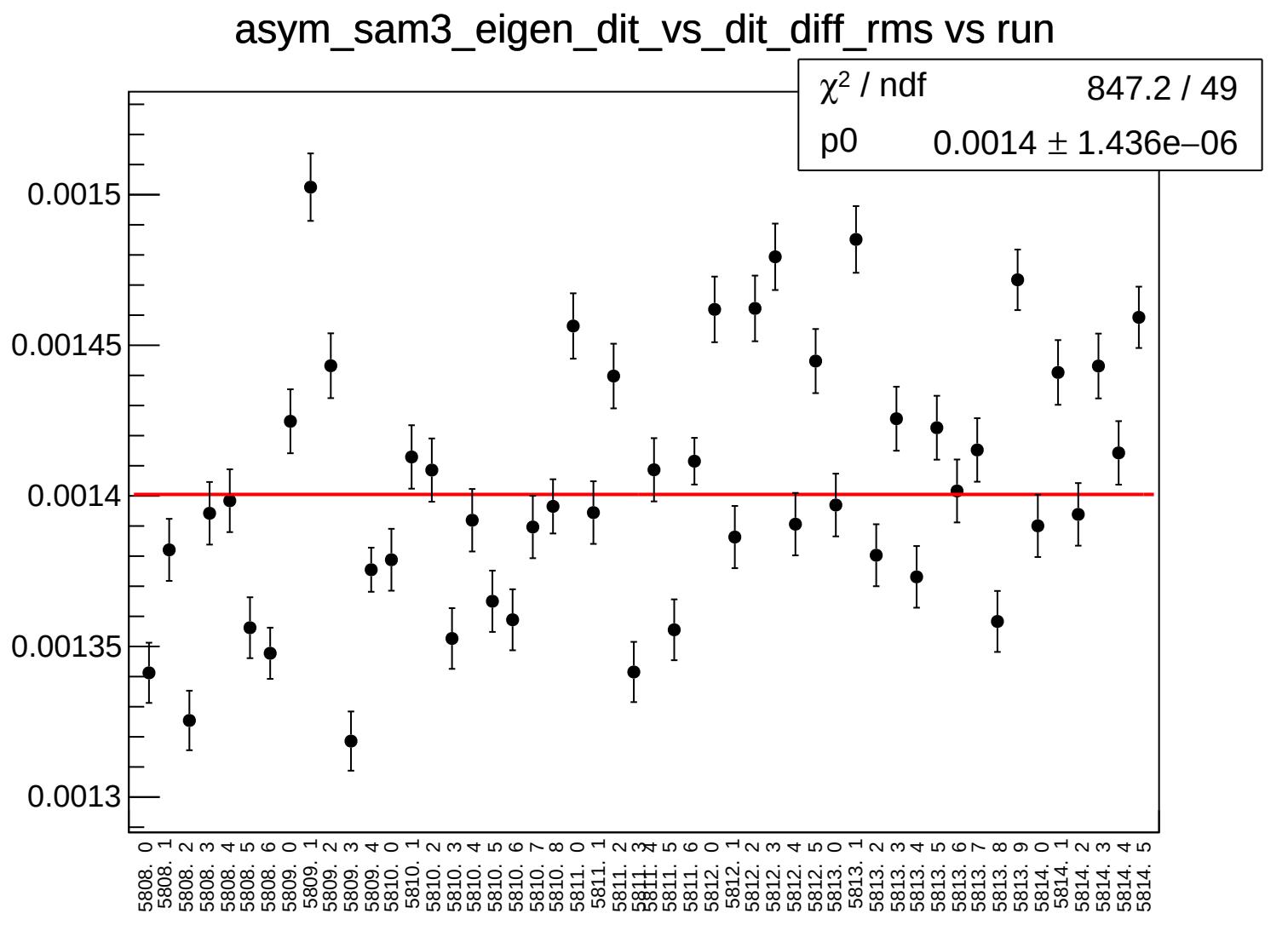
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −697.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.005831
Std Dev 0.9467
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 847.2 / 49
p0 0.0014 ± 1.436e−06
0.0015
0.00145
0.0014
0.00135
0.0013
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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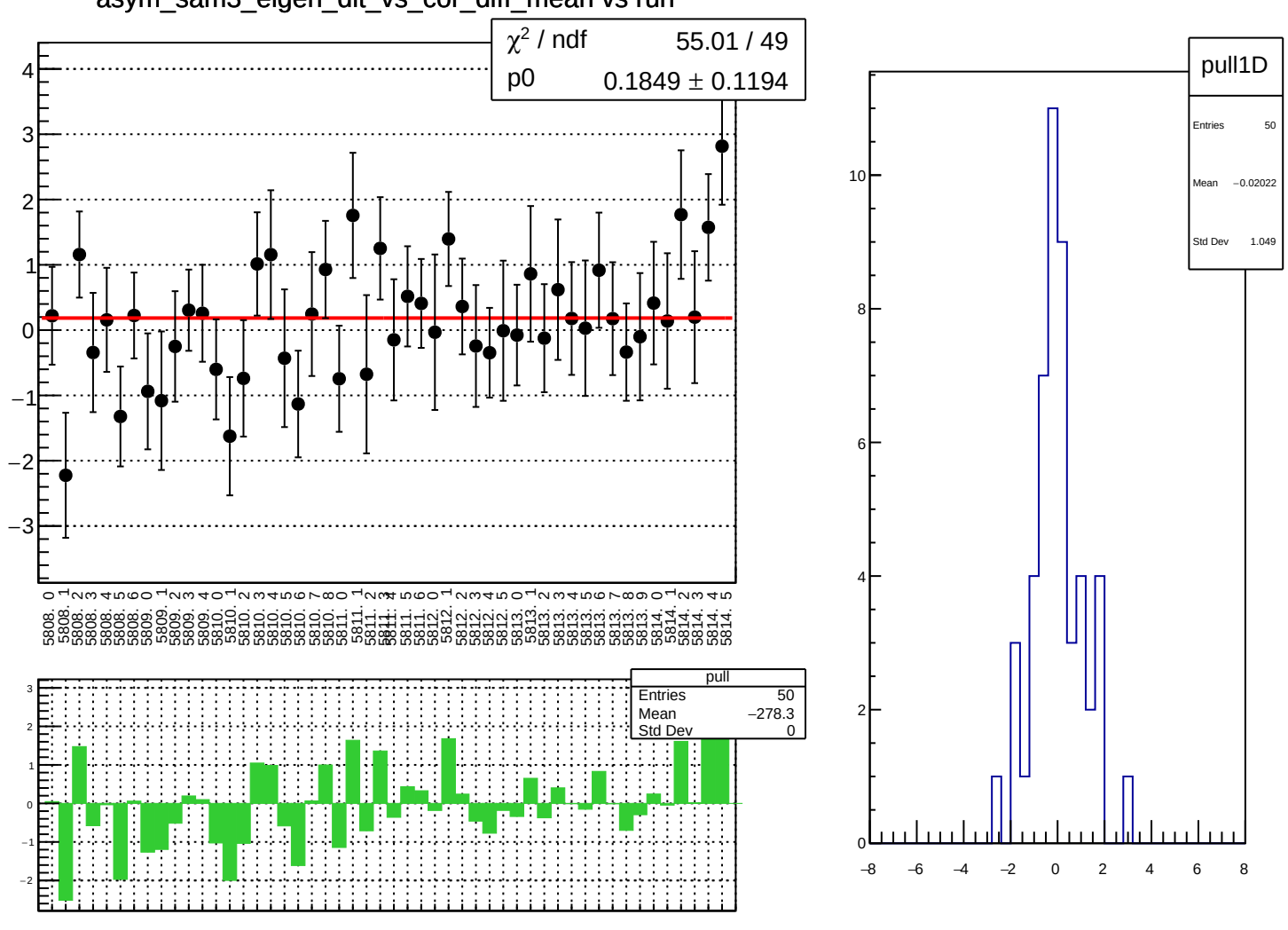
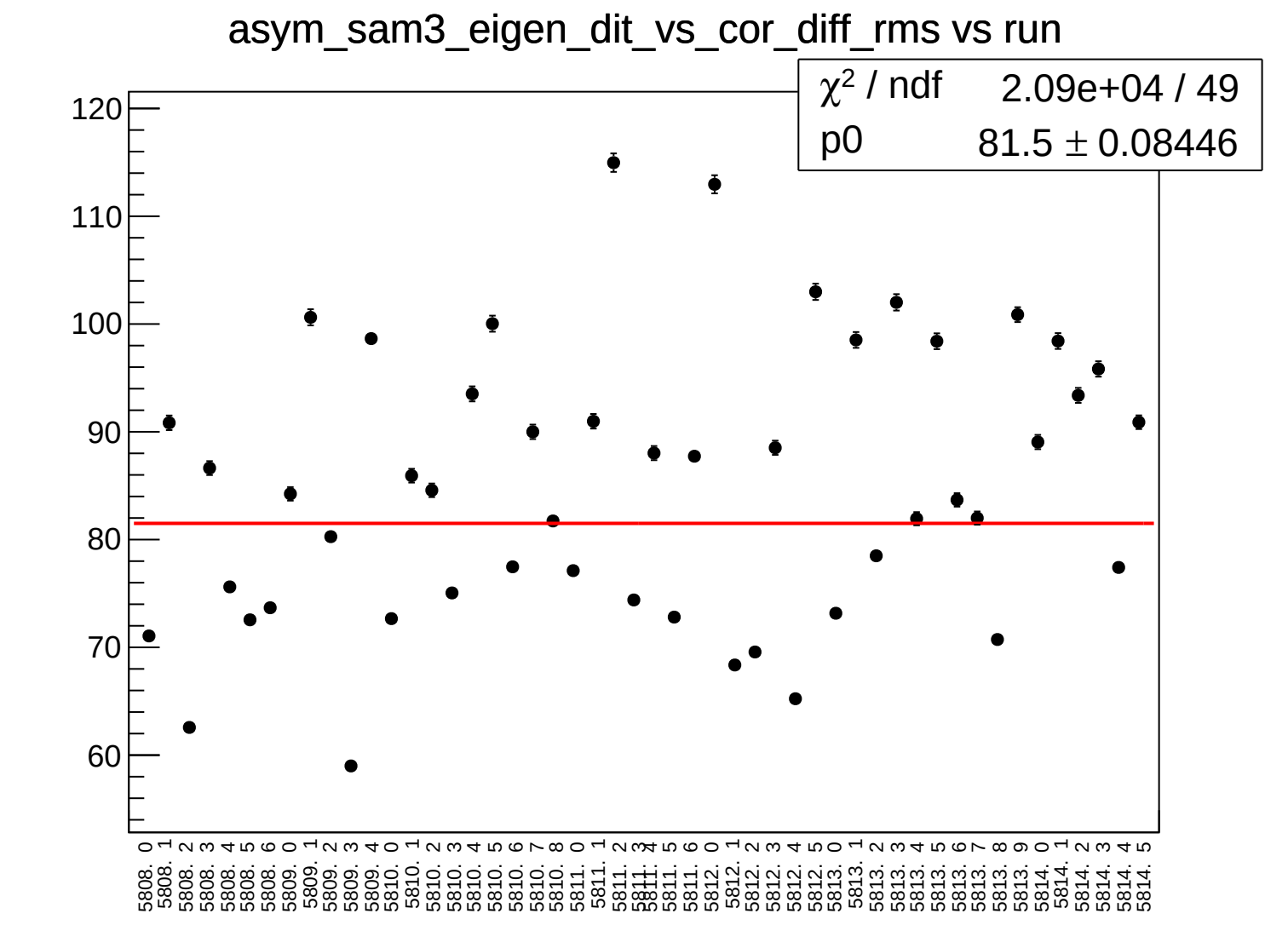
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 55.01 / 49
p0 0.1849 ± 0.1194
pull
Entries 50
Mean −278.3
Std Dev 0
pull1D
Entries 50
Mean −0.02022
Std Dev 1.049


asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.09e+04 / 49
p0 81.5 ± 0.08446
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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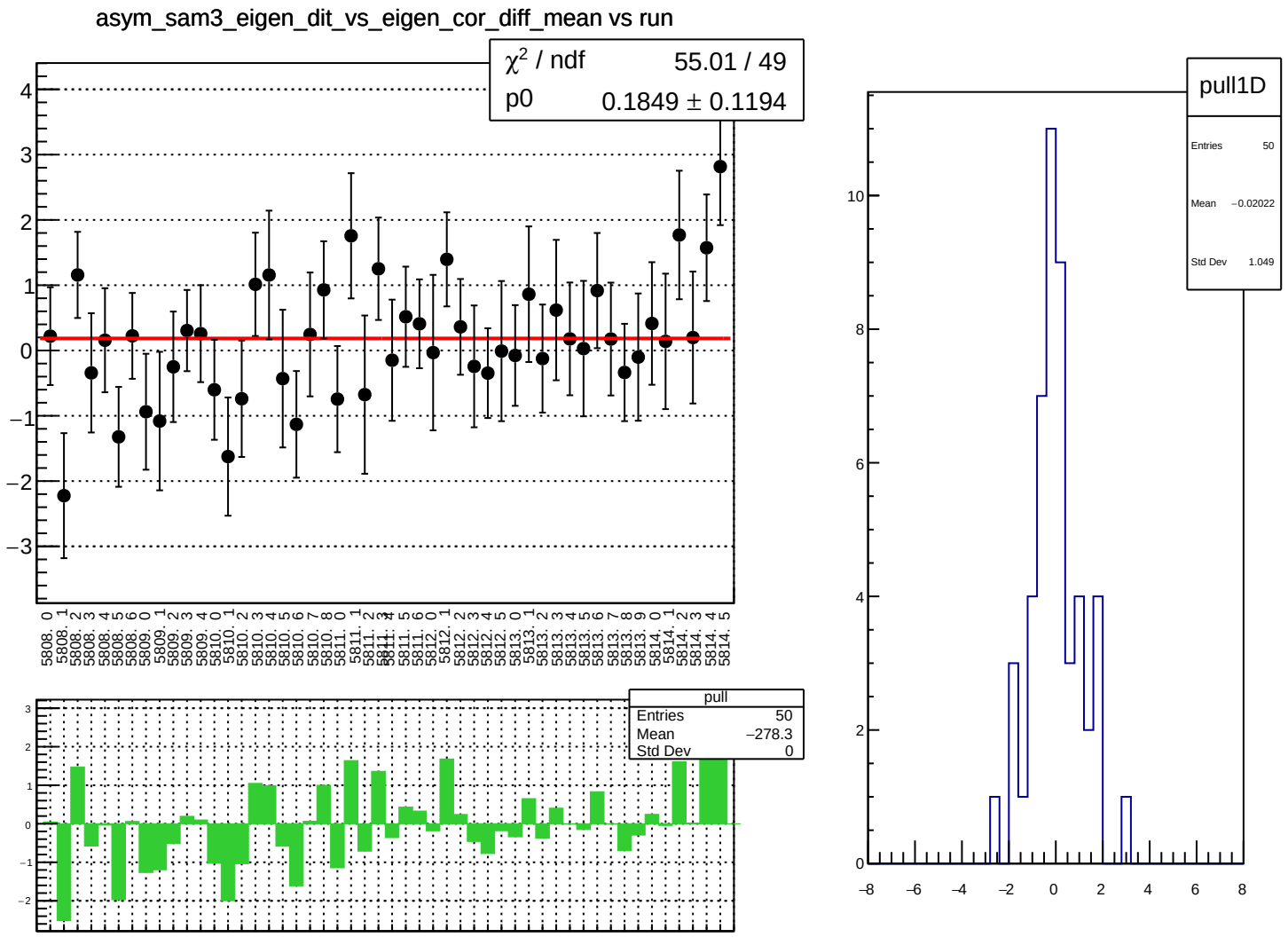
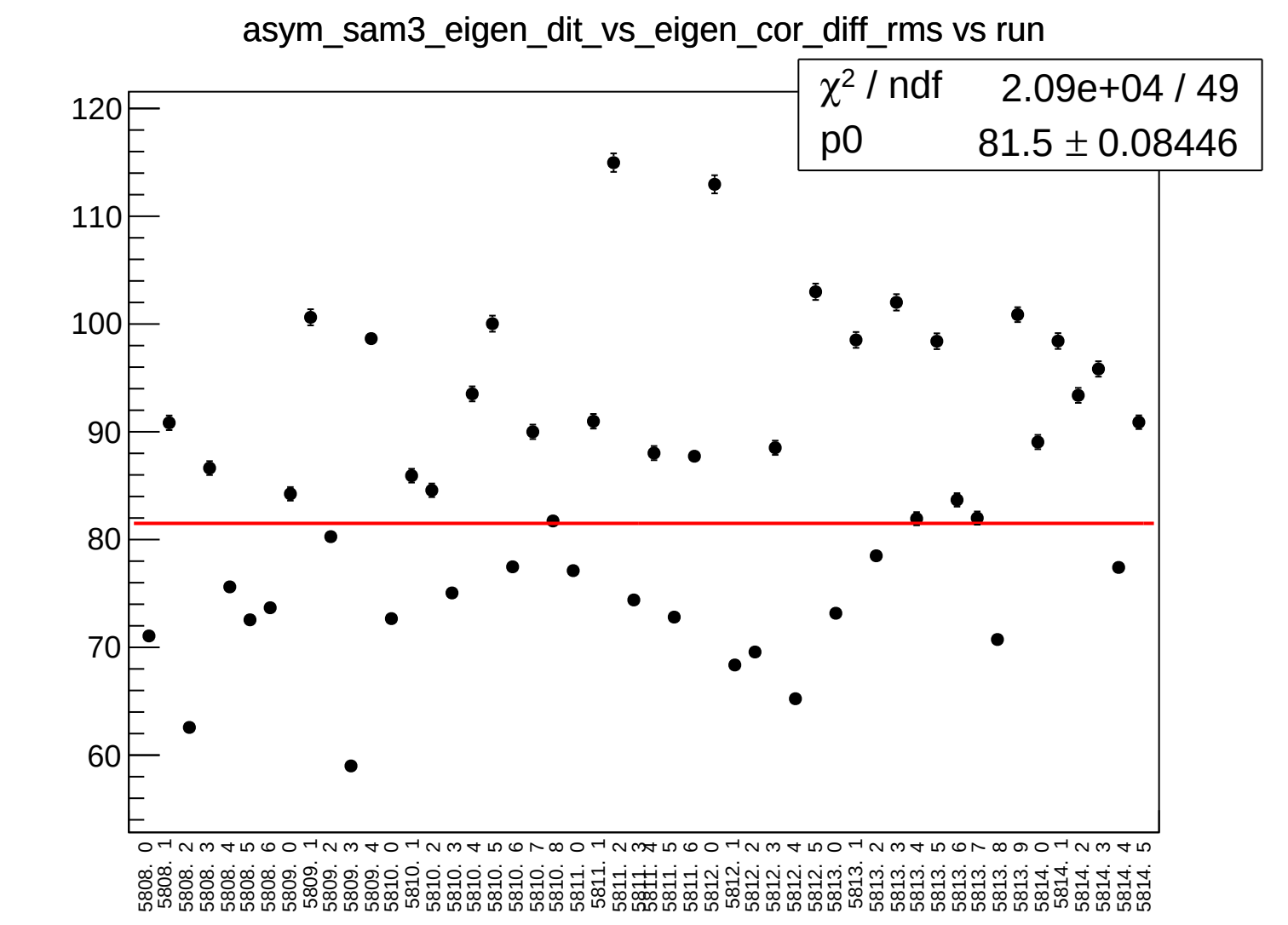
5814. 4
5814. 5


asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 55.01 / 49
p0 0.1849 ± 0.1194
pull
Entries 50
Mean −278.3
Std Dev 0
pull1D
Entries 50
Mean −0.02022
Std Dev 1.049


asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.09e+04 / 49
p0 81.5 ± 0.08446
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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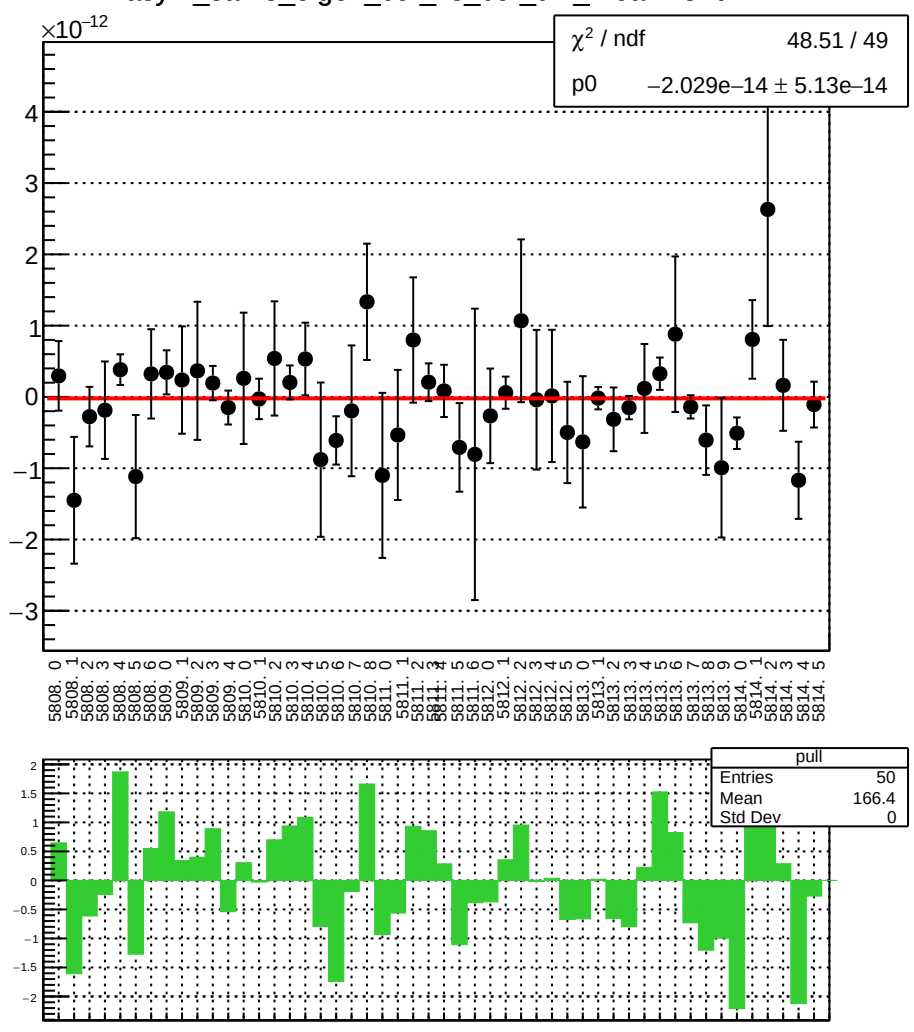
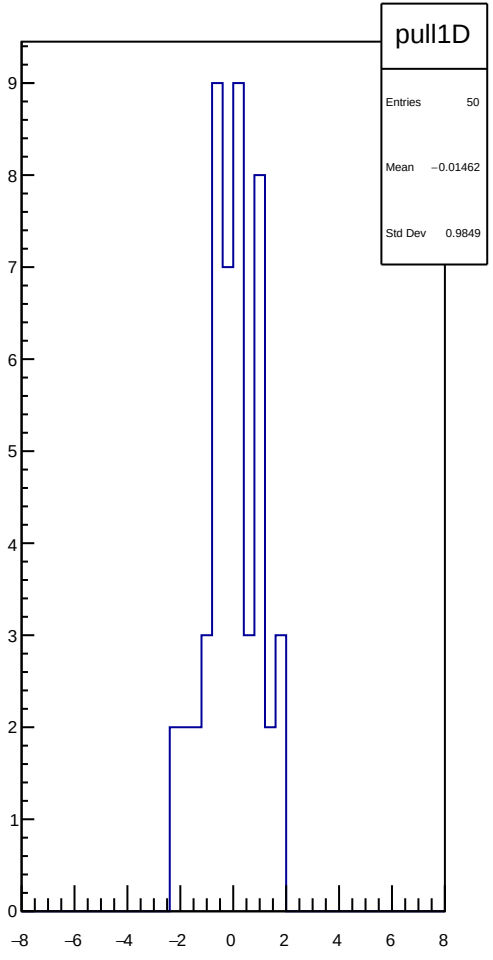
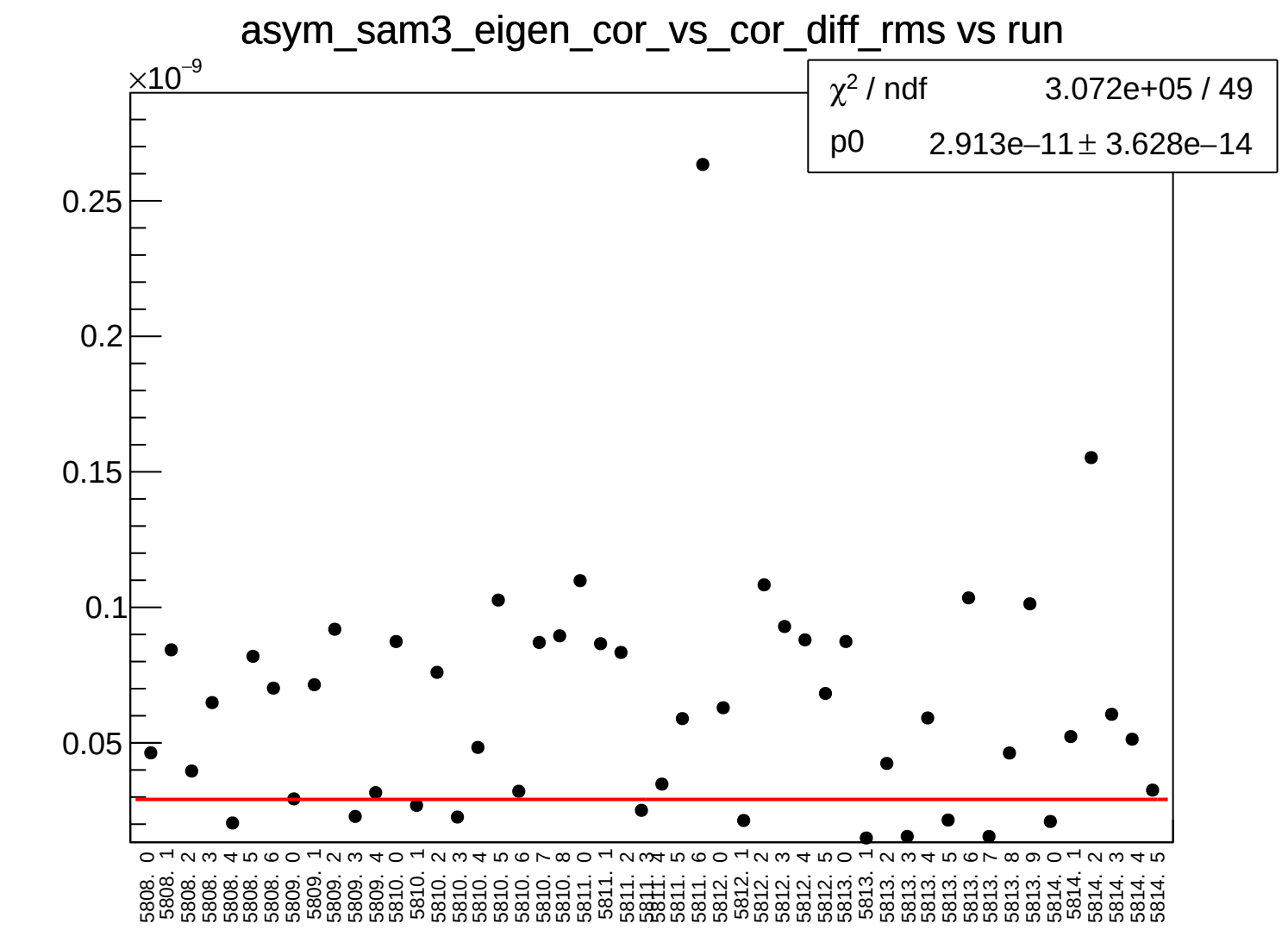
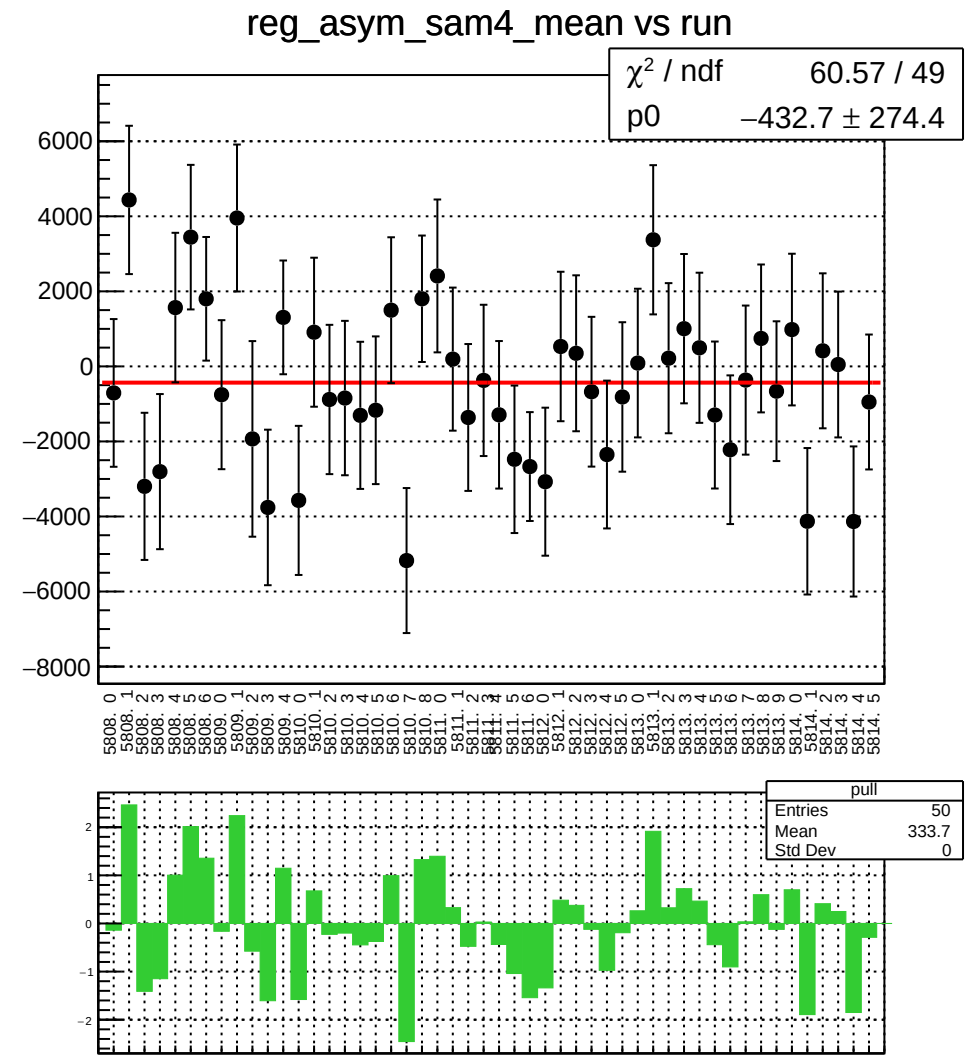
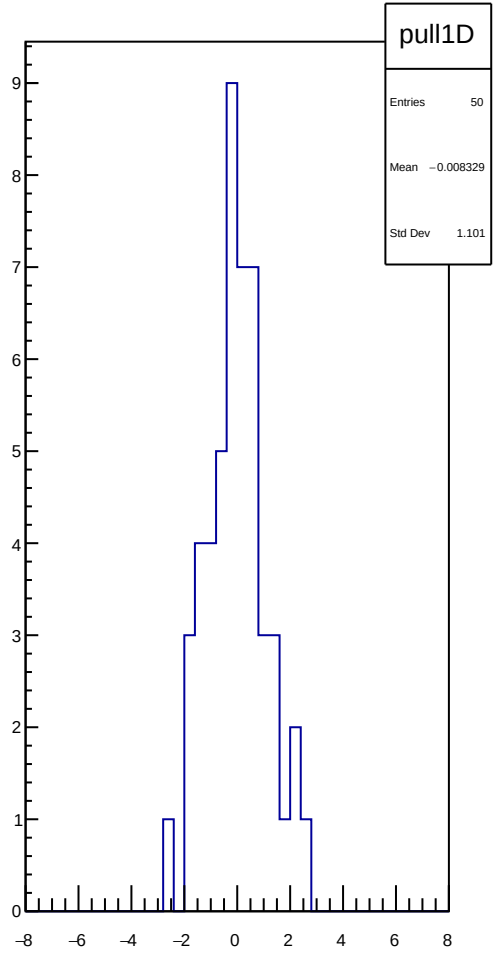
5814. 4
5814. 5

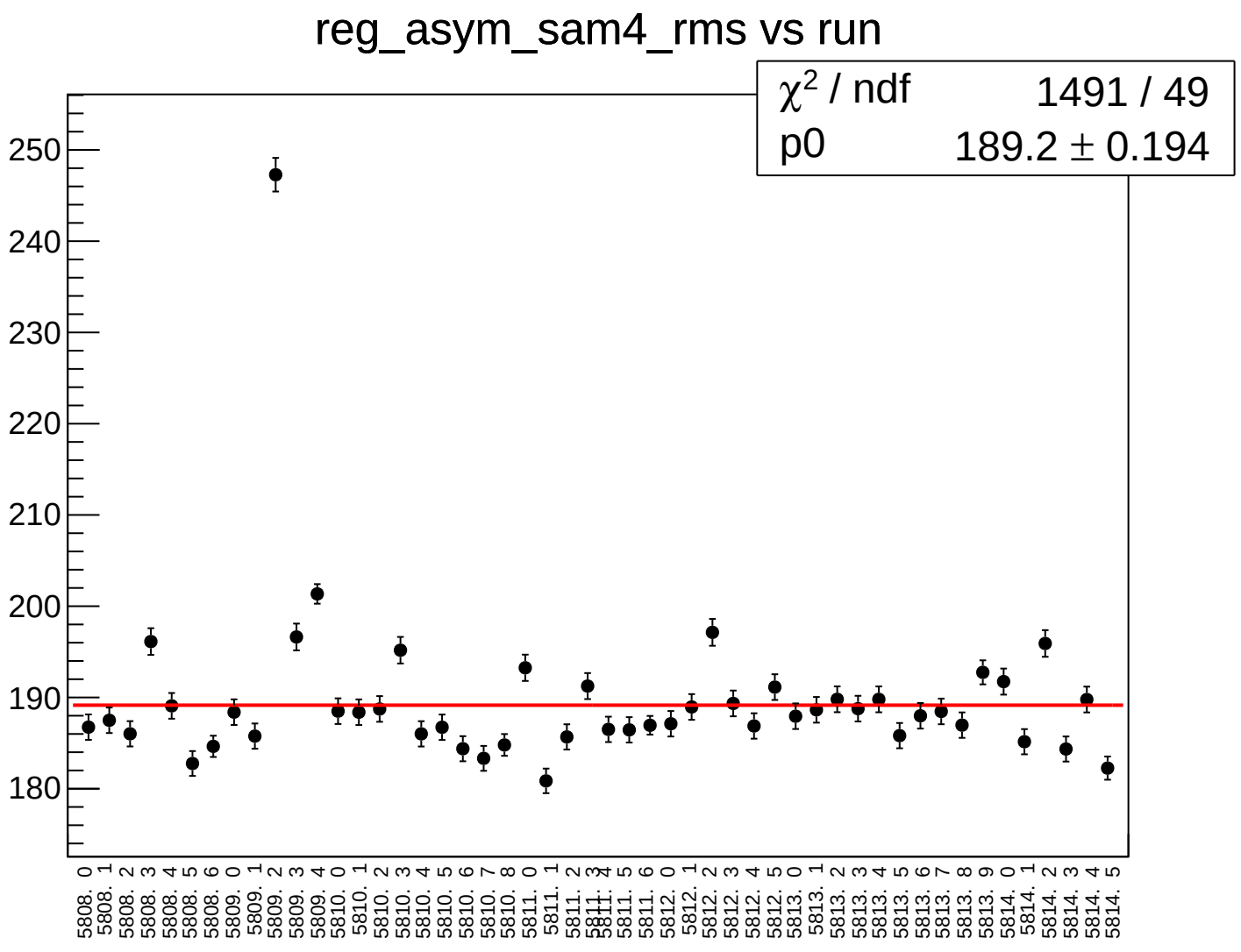

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.51 / 49
p0 −2.029e−14 ± 5.13e−14
pull
Entries 50
Mean 166.4
Std Dev 0

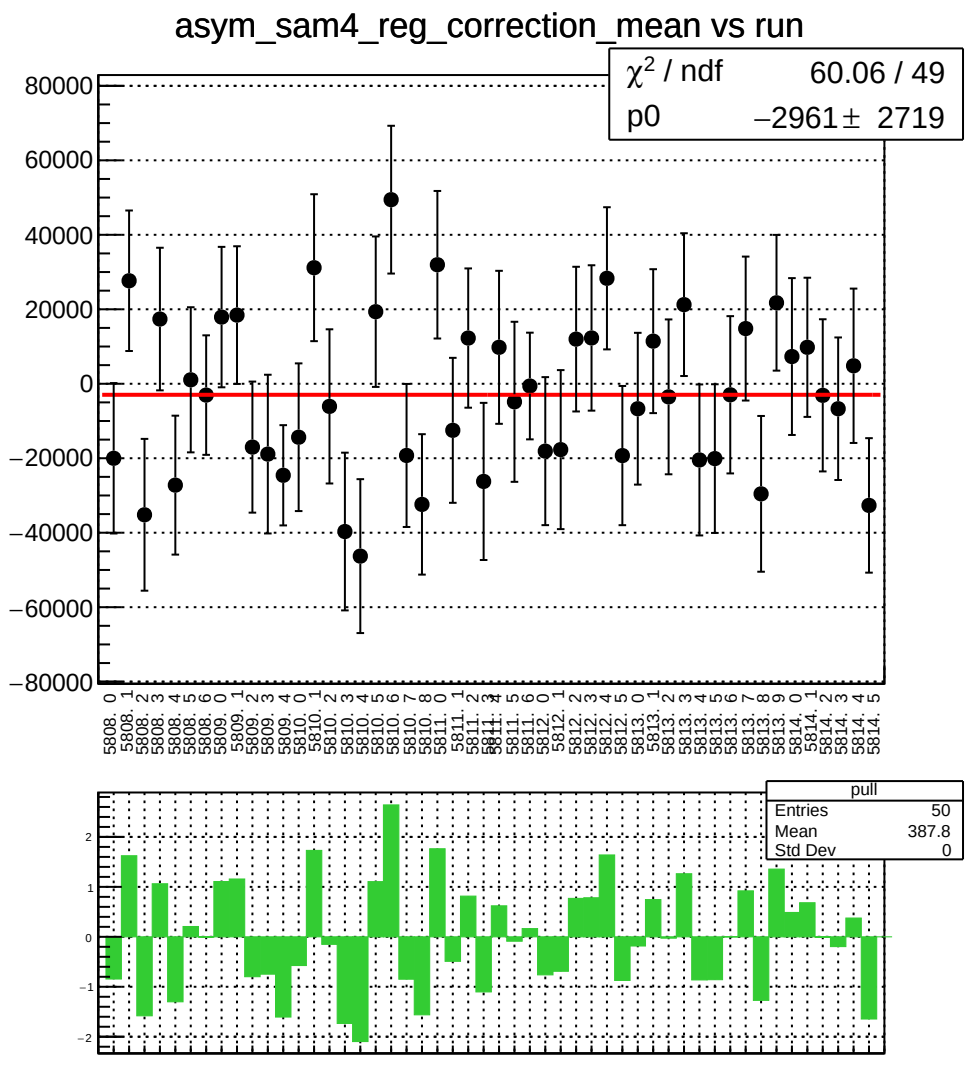

pull1D
Entries 50
Mean −0.01462
Std Dev 0.9849

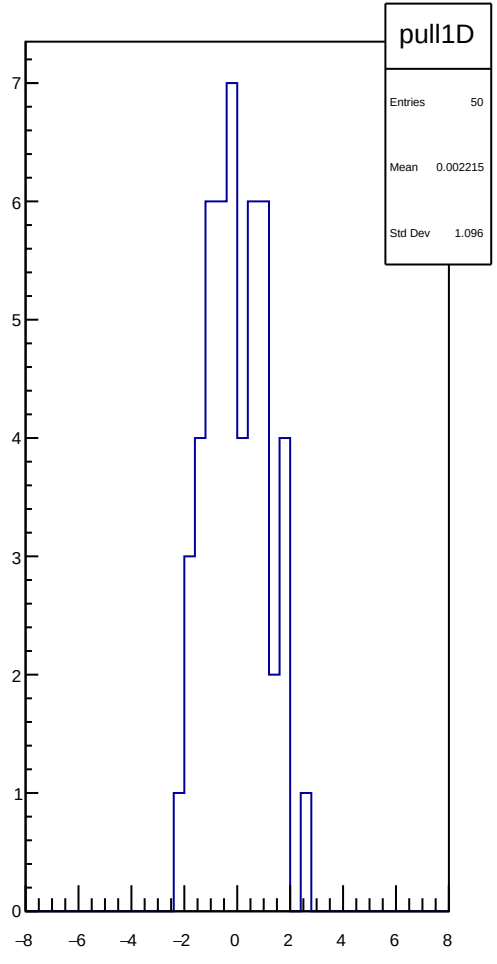

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.072e+05 / 49
p0 2.913e−11 ± 3.628e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

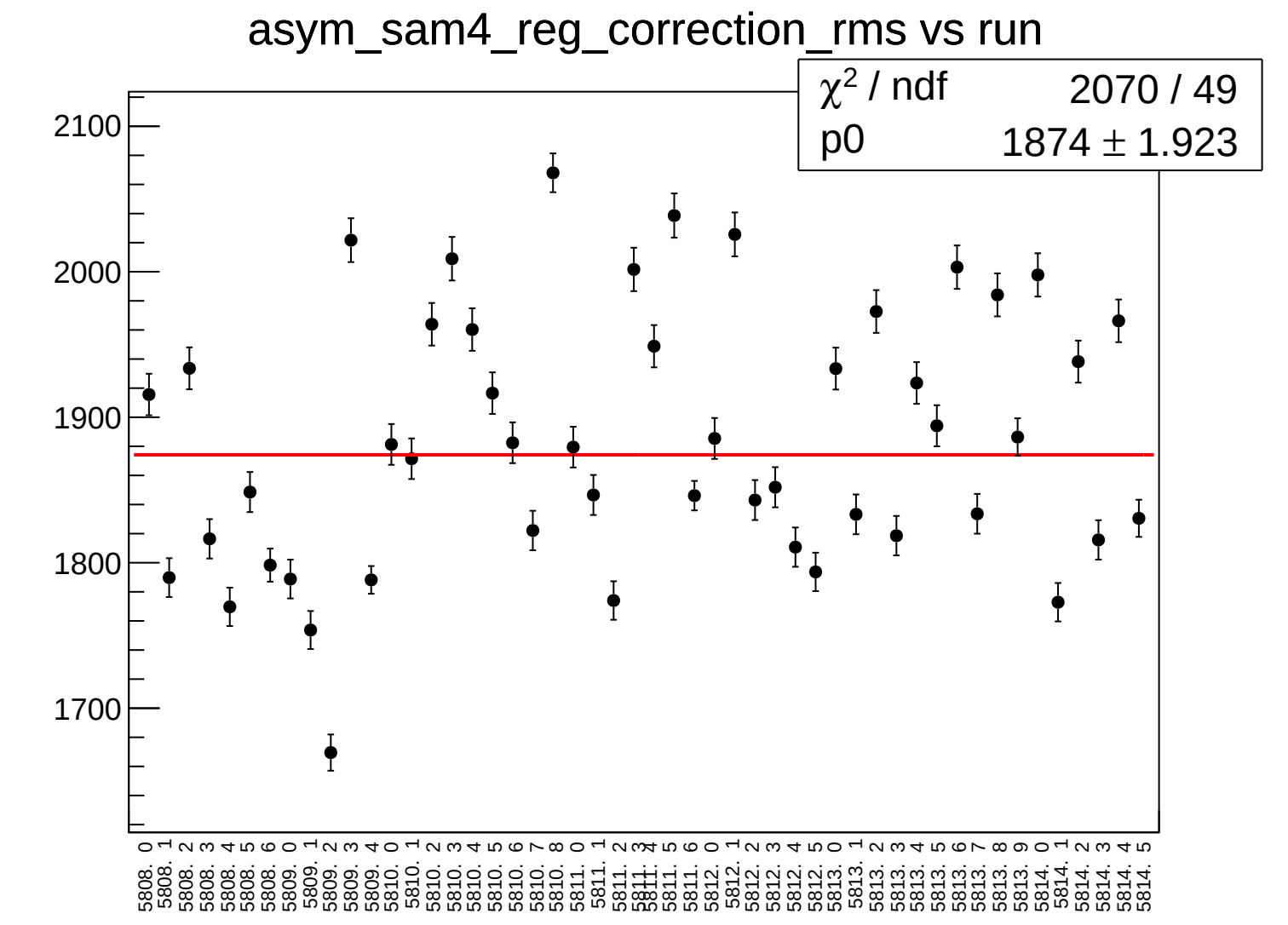

reg_asym_sam4_mean vs run
χ² / ndf 60.57 / 49
p0 −432.7 ± 274.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 333.7
Std Dev 0
2
1
0
−1
−2

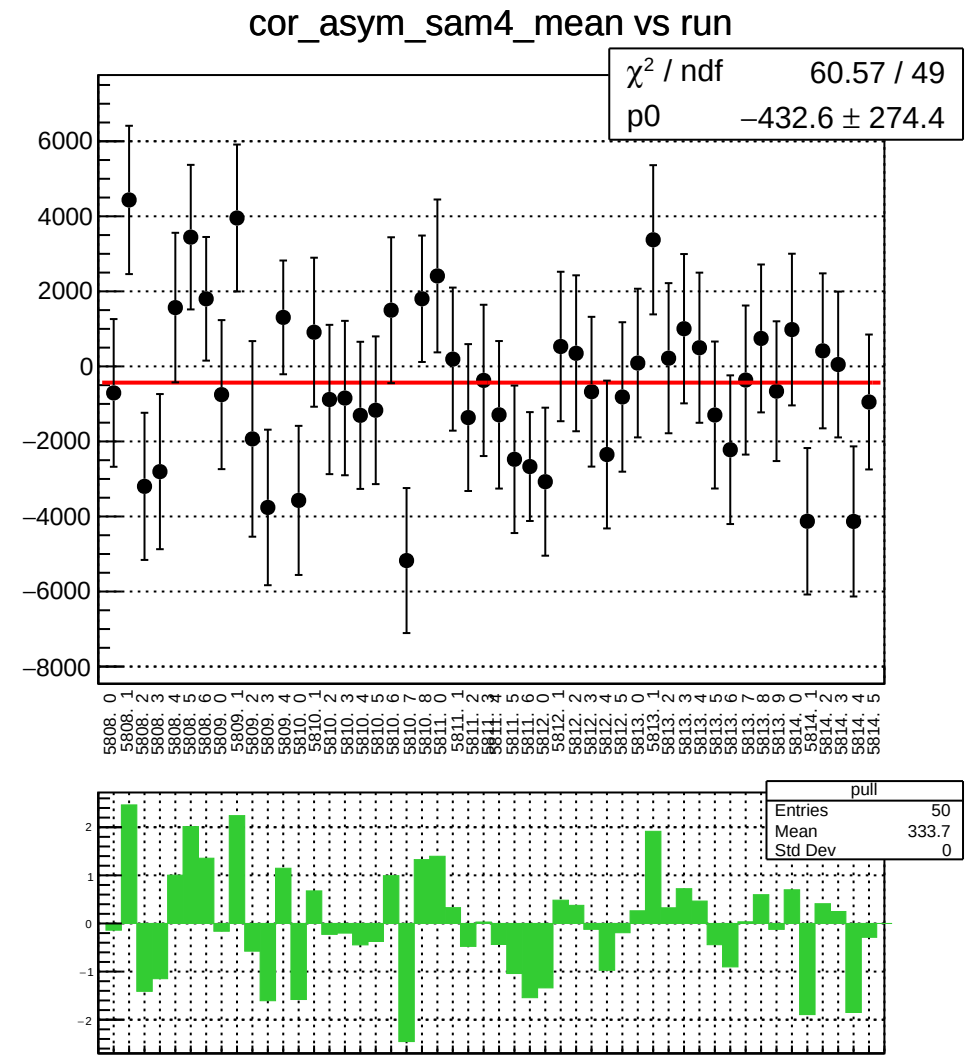

pull1D
Entries 50
Mean −0.008329
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam4_rms vs run
χ² / ndf 1491 / 49
p0 189.2 ± 0.194
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam4_reg_correction_mean vs run
χ² / ndf 60.06 / 49
p0 −2961 ± 2719
pull
Entries 50
Mean 387.8
Std Dev 0


pull1D
Entries 50
Mean 0.002215
Std Dev 1.096


asym_sam4_reg_correction_rms vs run
χ² / ndf 2070 / 49
p0 1874 ± 1.923
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam4_mean vs run
χ² / ndf 60.57 / 49
p0 −432.6 ± 274.4
6000
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
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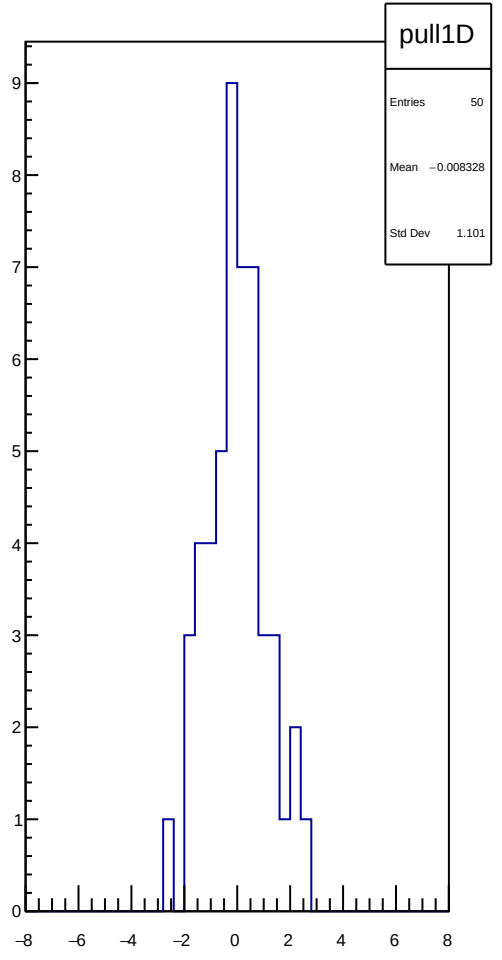
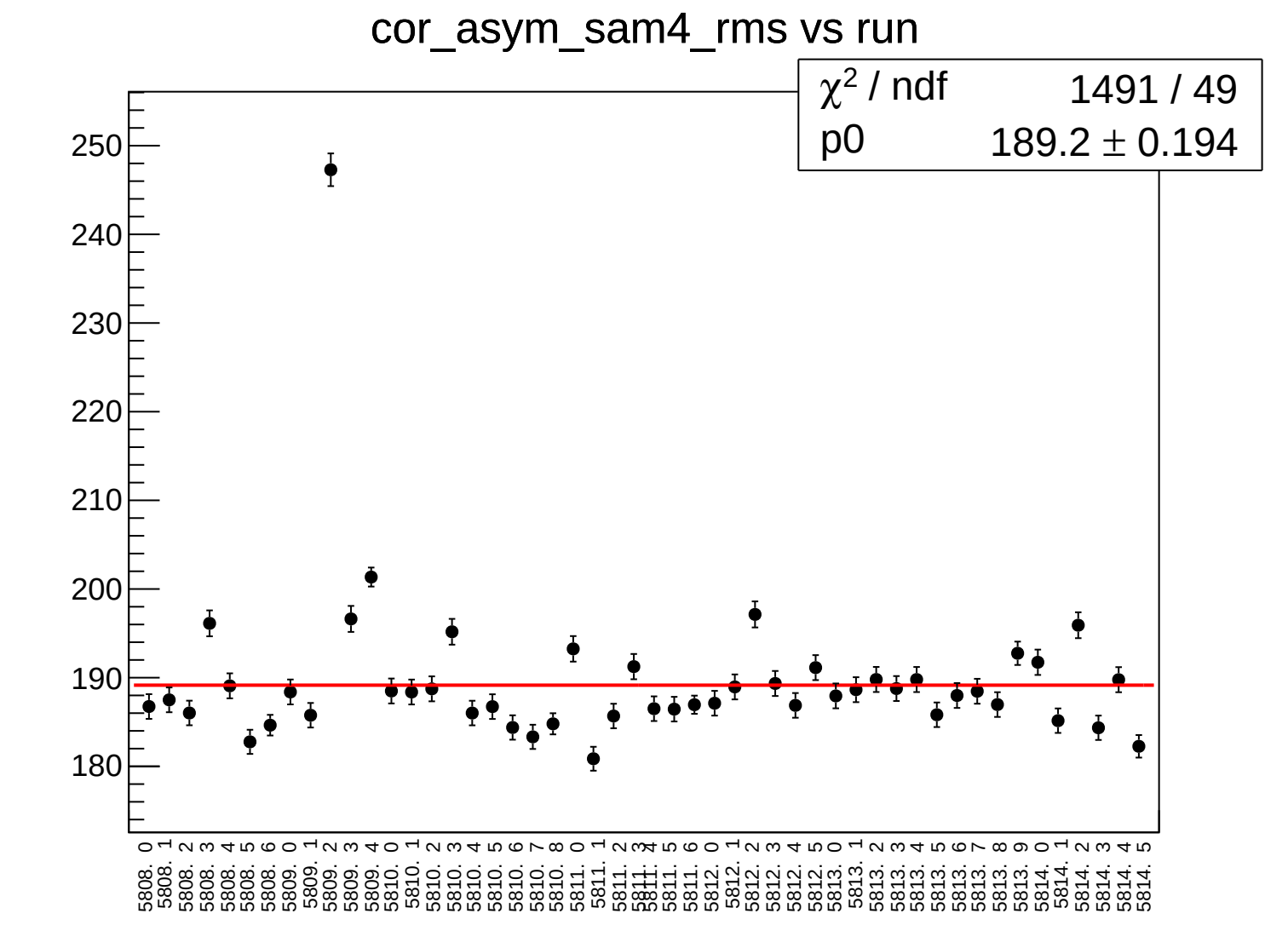
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 333.7
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.008328
Std Dev 1.101
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam4_rms vs run
χ² / ndf 1491 / 49
p0 189.2 ± 0.194
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
5812. 5
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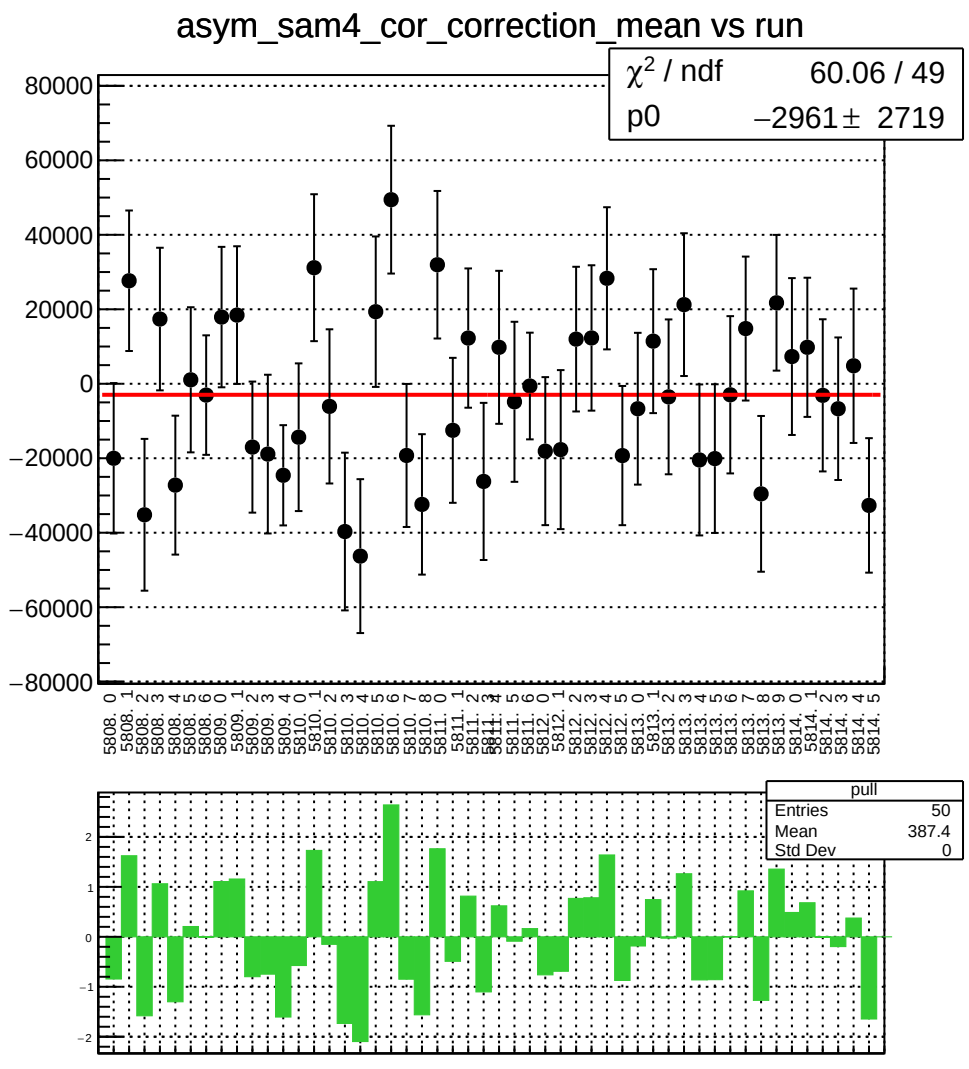
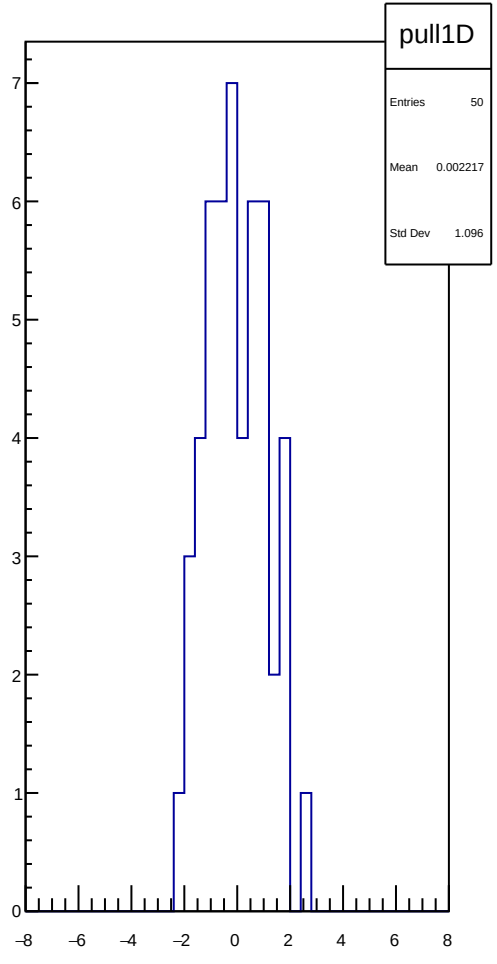
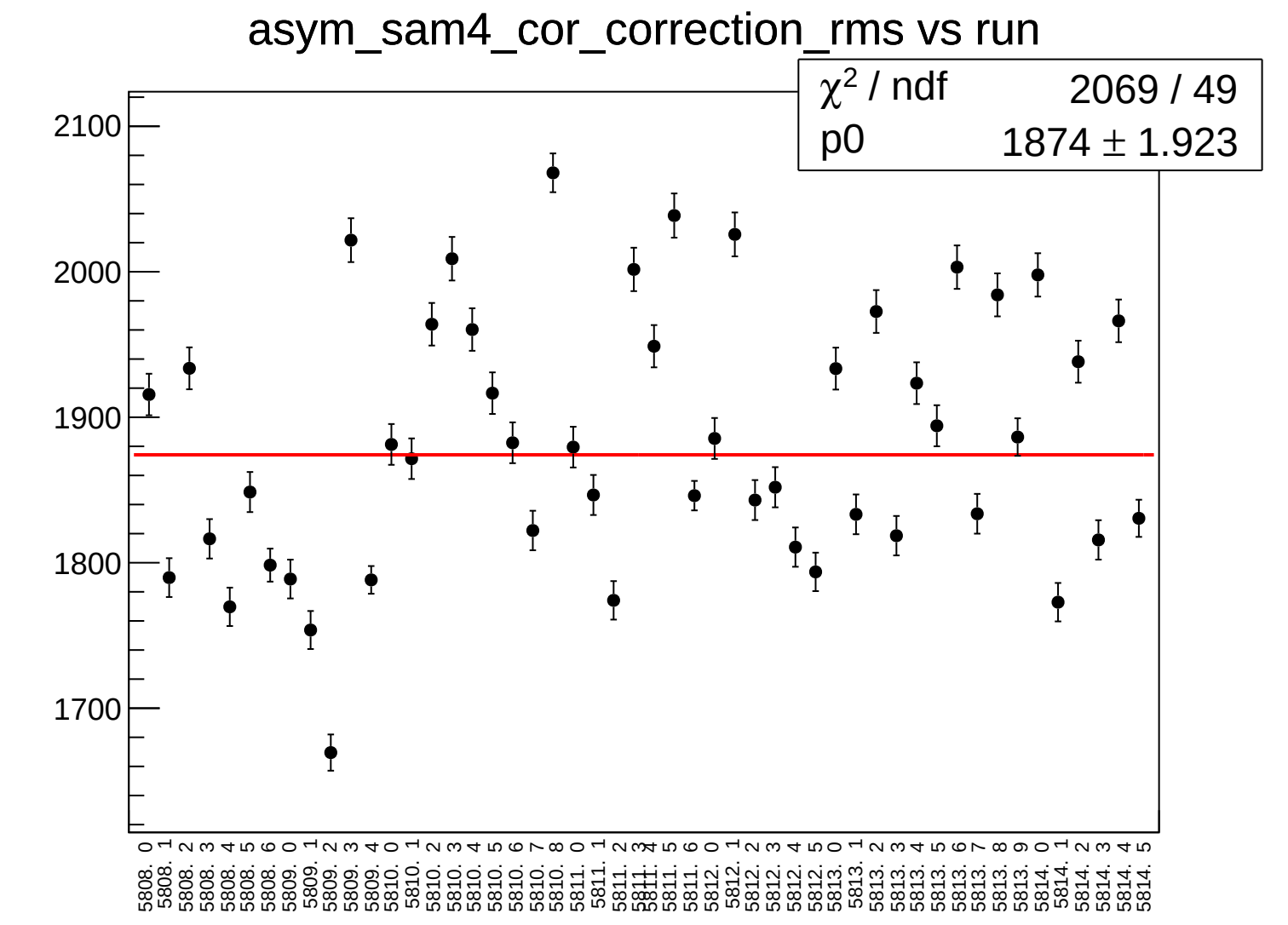
5814. 5


asym_sam4_cor_correction_mean vs run
χ² / ndf 60.06 / 49
p0 −2961 ± 2719
pull
Entries 50
Mean 387.4
Std Dev 0


pull1D
Entries 50
Mean 0.002217
Std Dev 1.096


asym_sam4_cor_correction_rms vs run
χ² / ndf 2069 / 49
p0 1874 ± 1.923
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5812. 0
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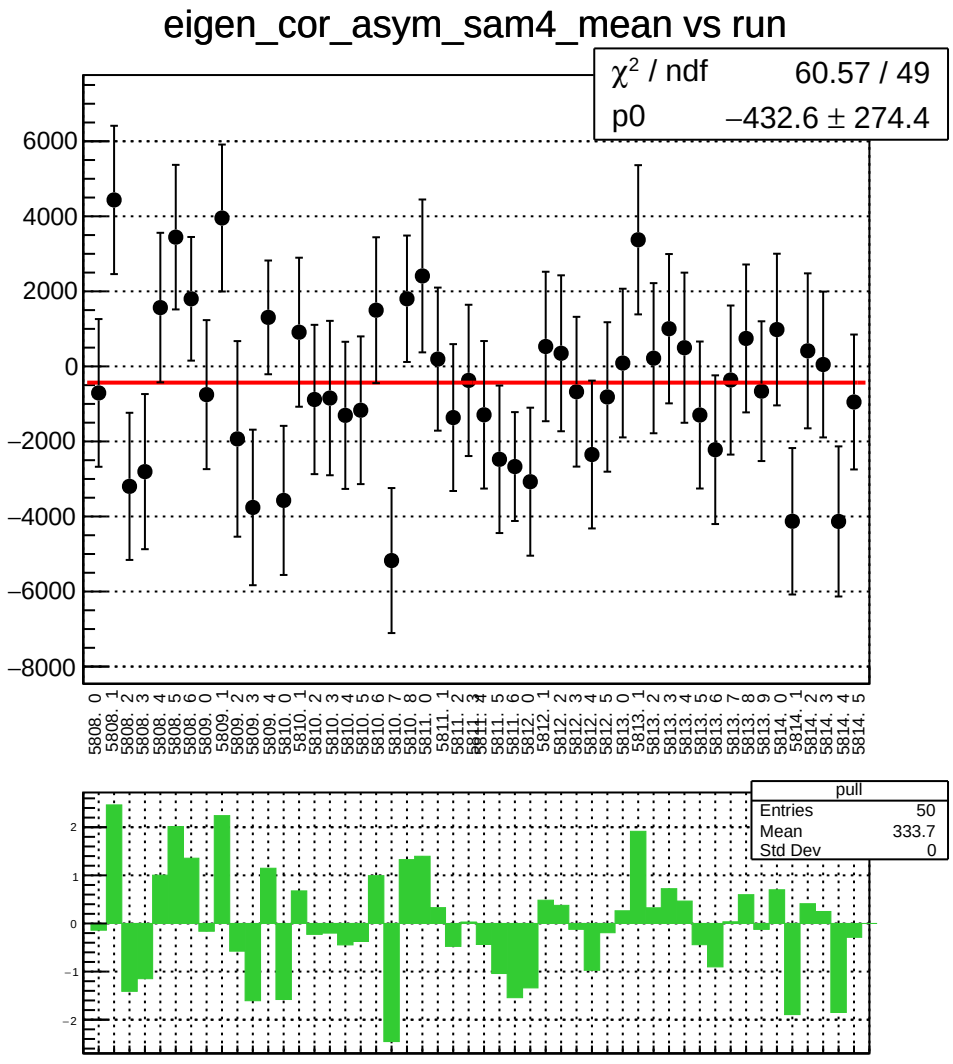
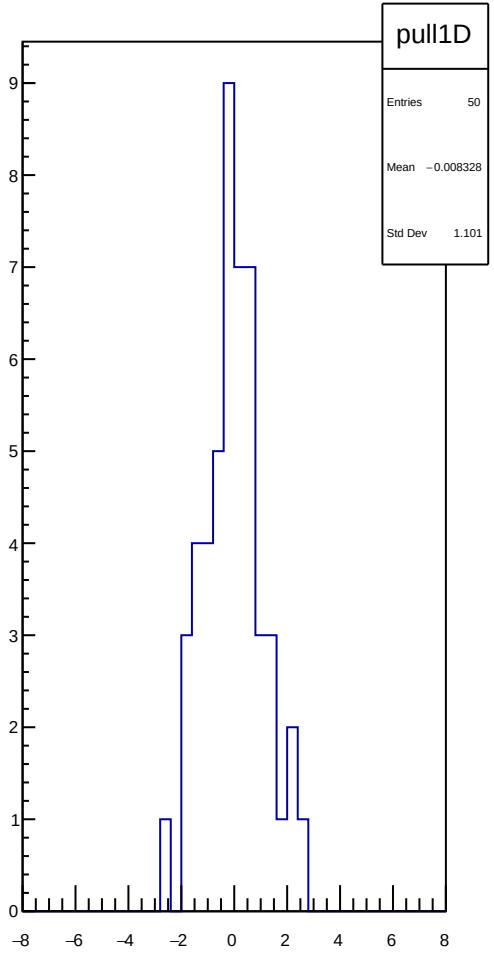
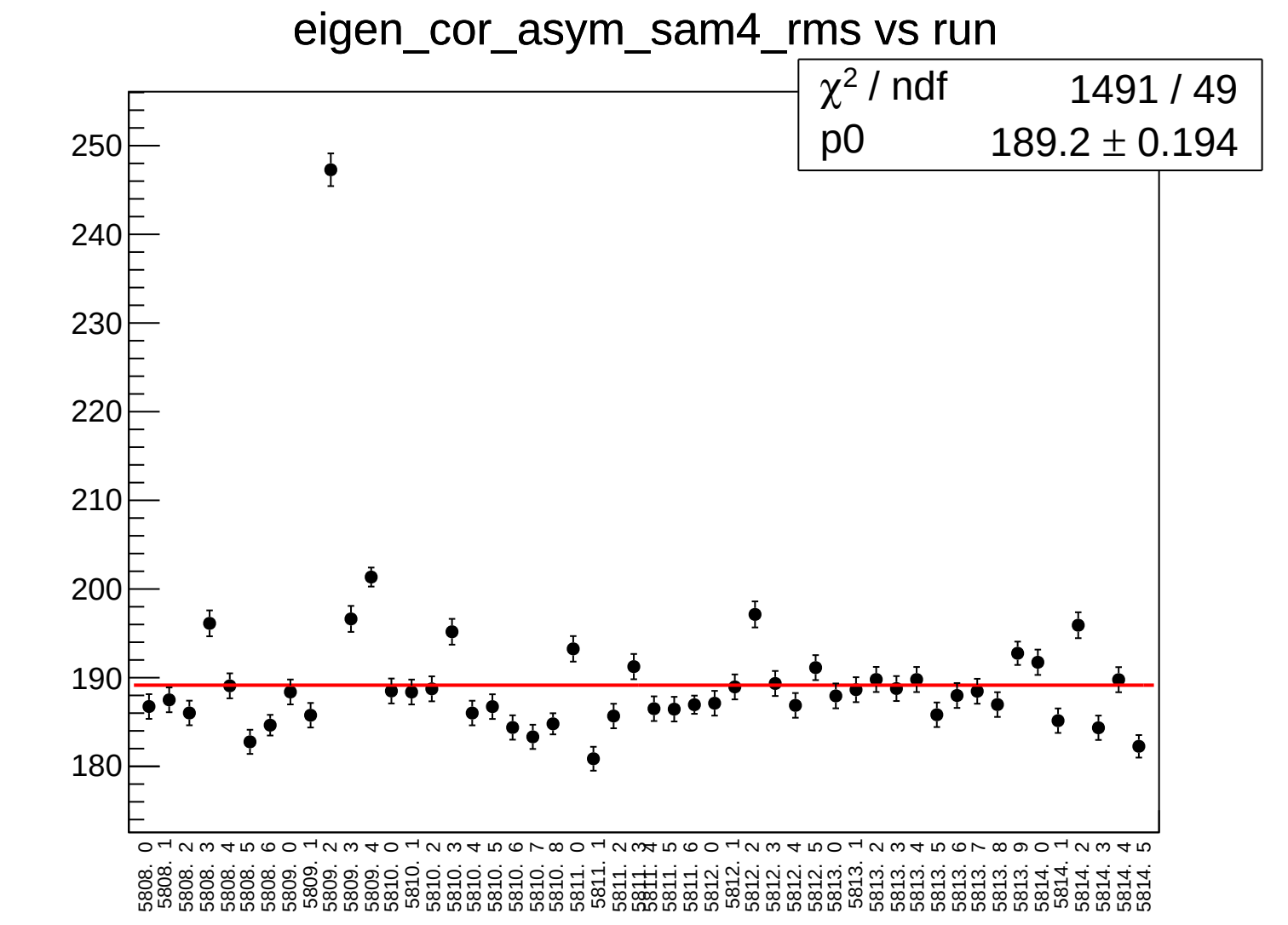
5814. 4
5814. 5


eigen_cor_asym_sam4_mean vs run
χ² / ndf 60.57 / 49
p0 −432.6 ± 274.4
pull
Entries 50
Mean 333.7
Std Dev 0


pull1D
Entries 50
Mean −0.008328
Std Dev 1.101


eigen_cor_asym_sam4_rms vs run
χ² / ndf 1491 / 49
p0 189.2 ± 0.194
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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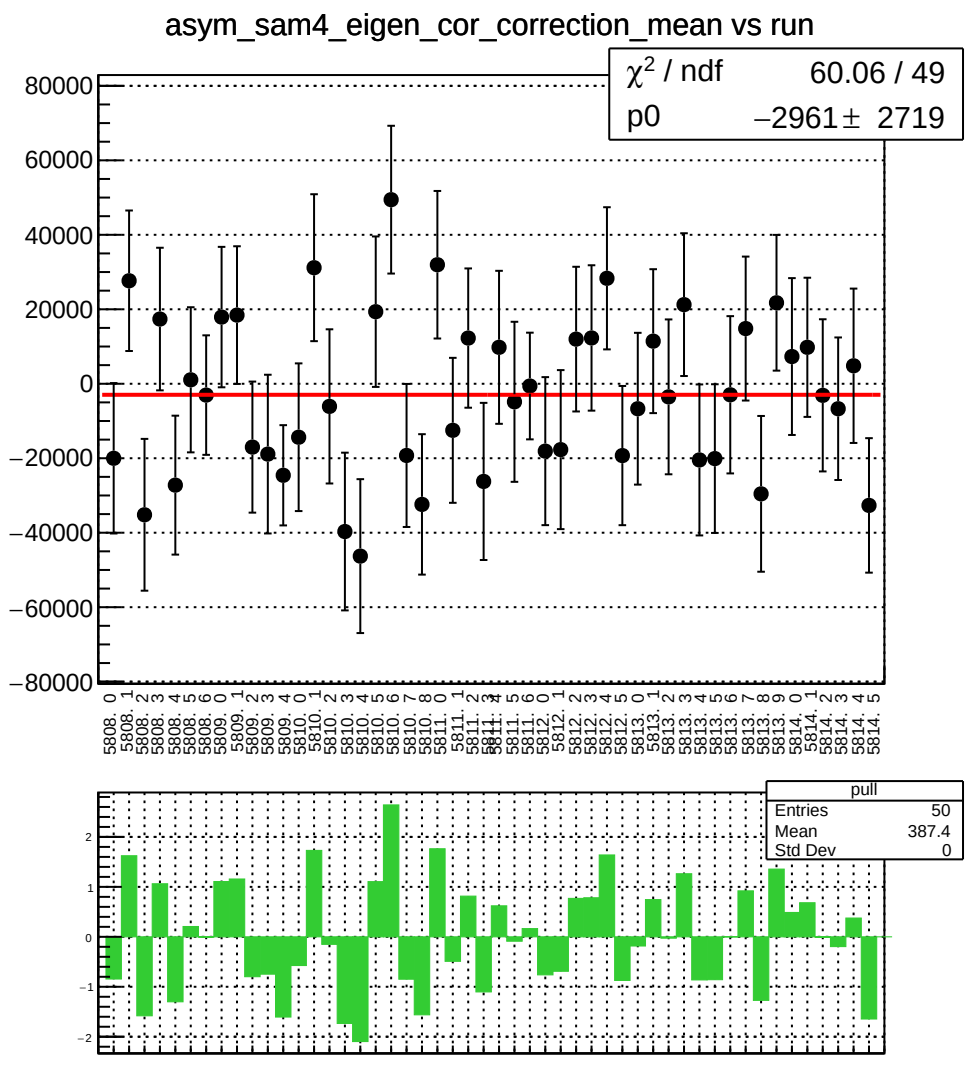
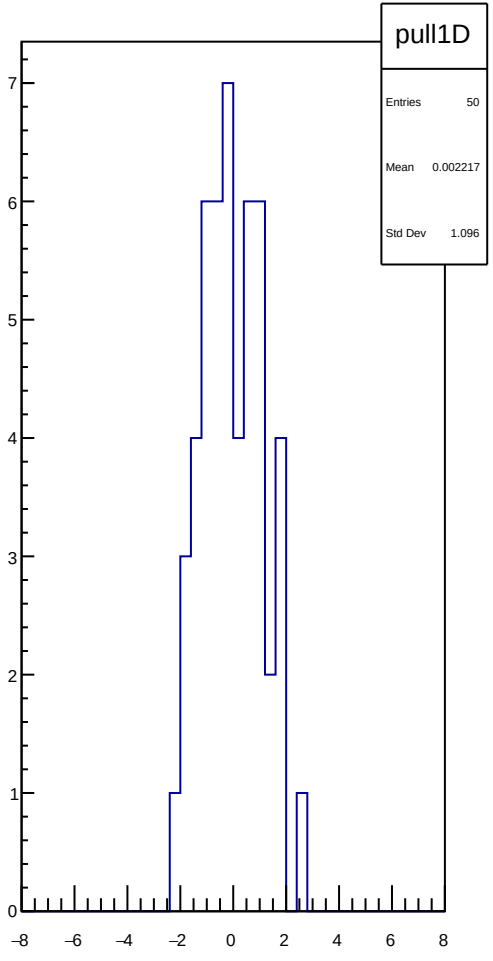
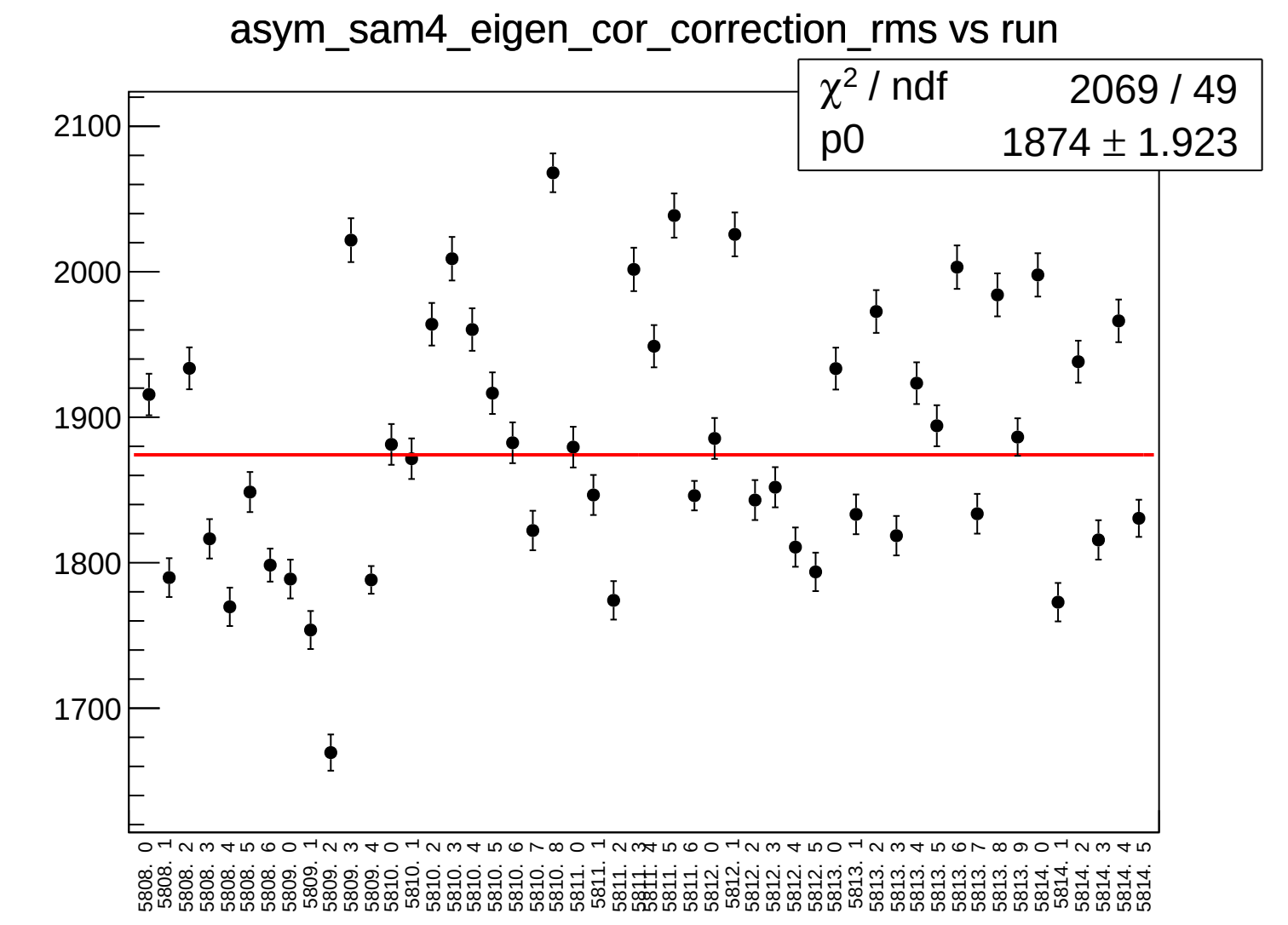
5814. 5


asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 60.06 / 49
p0 −2961 ± 2719
pull
Entries 50
Mean 387.4
Std Dev 0


pull1D
Entries 50
Mean 0.002217
Std Dev 1.096


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 2069 / 49
p0 1874 ± 1.923
2100
2000
1900
1800
1700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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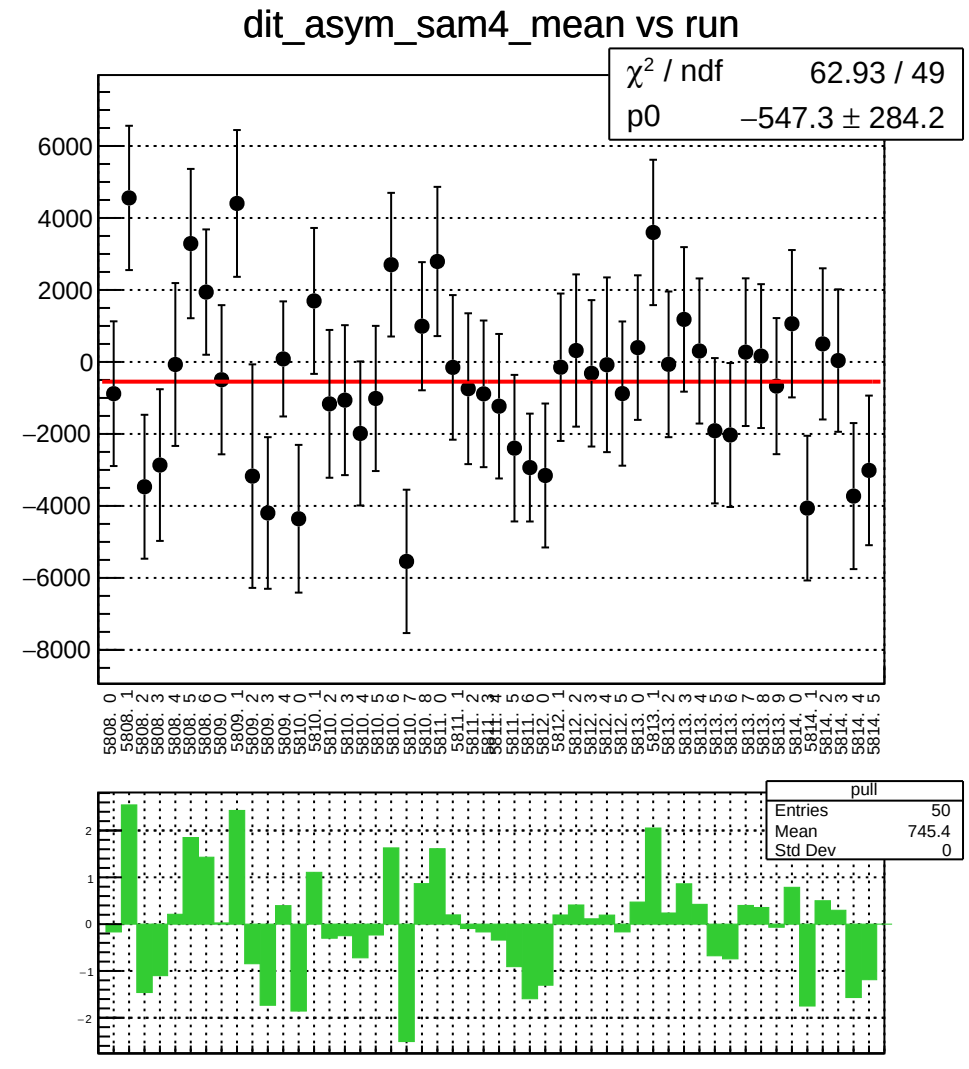
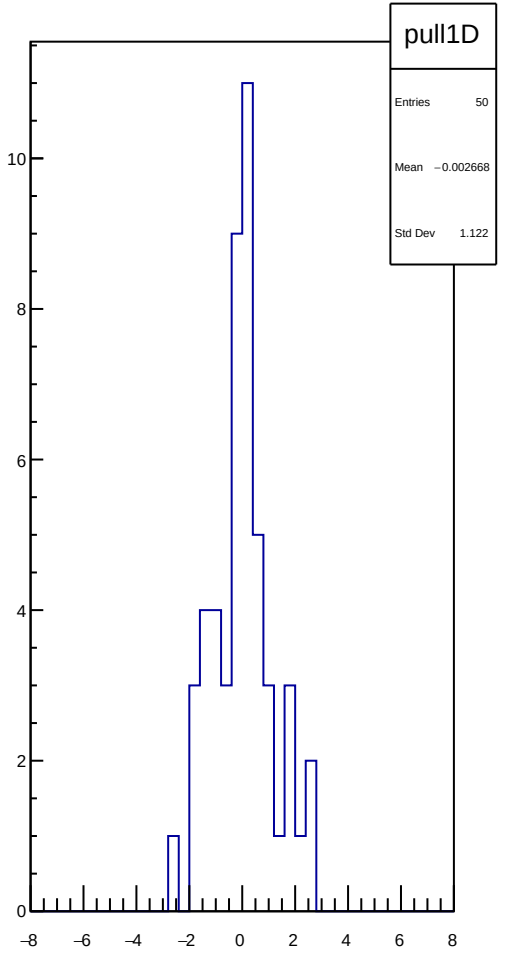
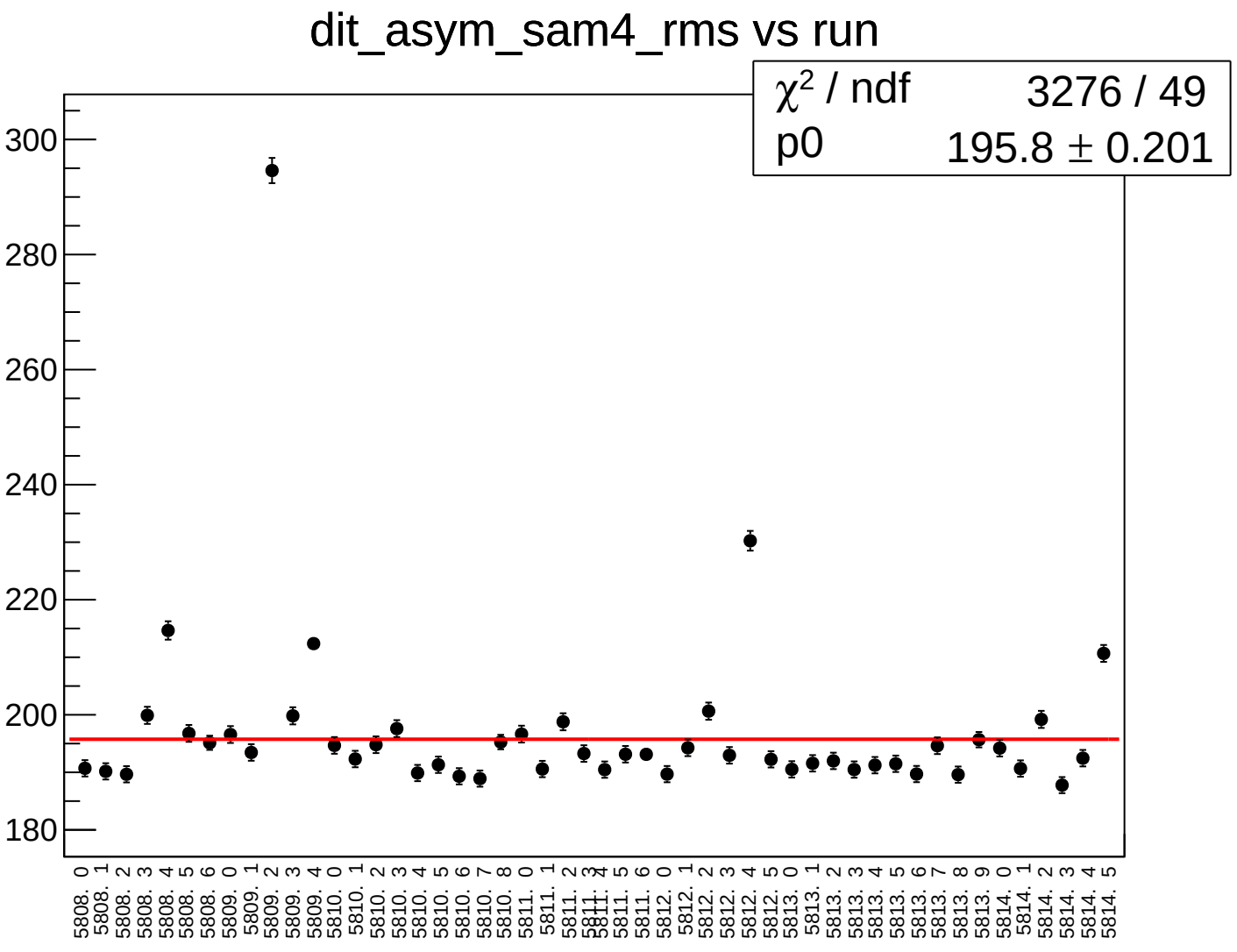
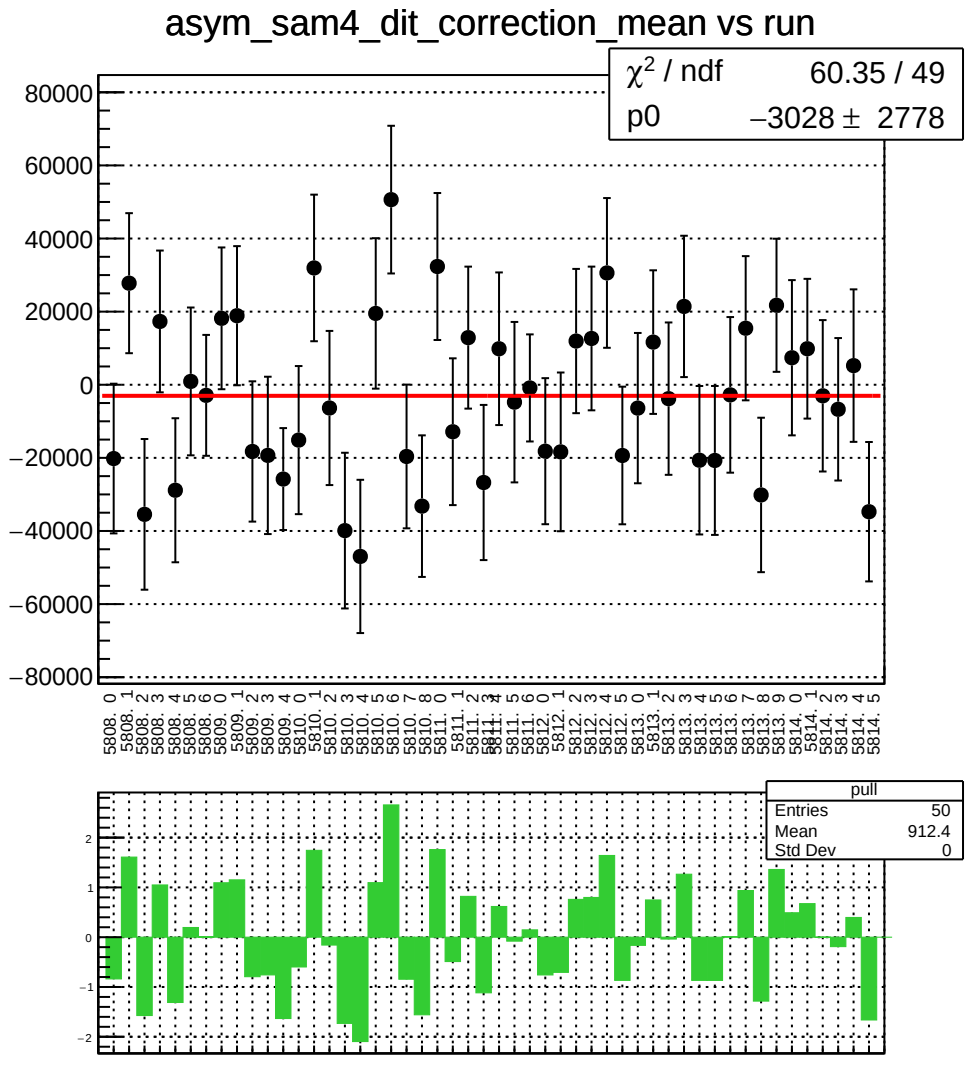
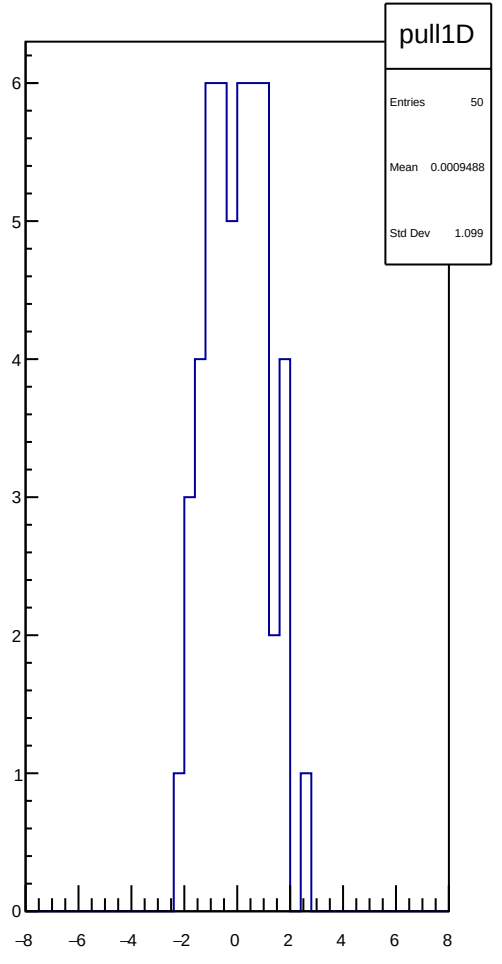
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

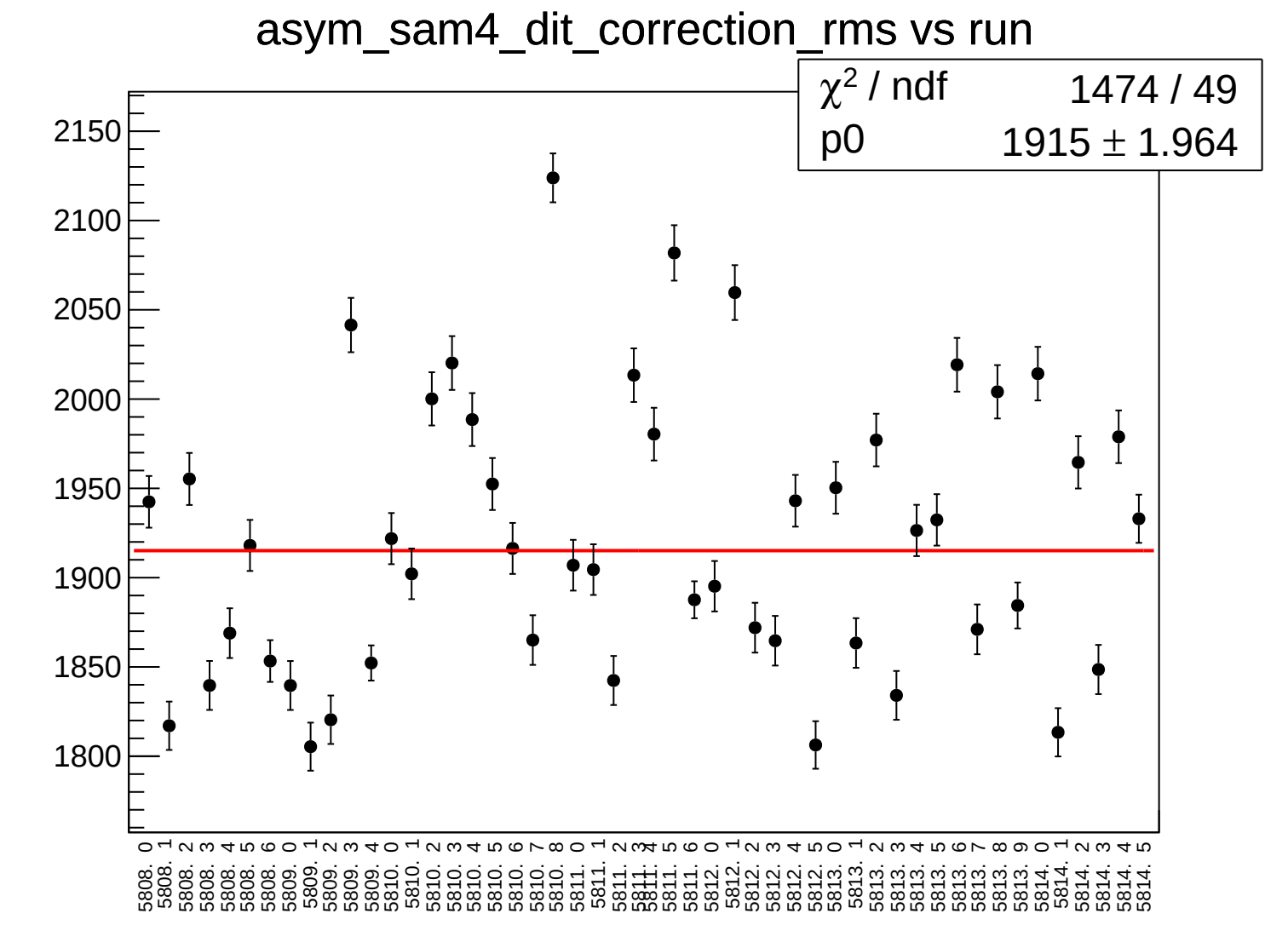

dit_asym_sam4_mean vs run
χ² / ndf 62.93 / 49
p0 −547.3 ± 284.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 745.4
Std Dev 0
2
1
0
−1
−2

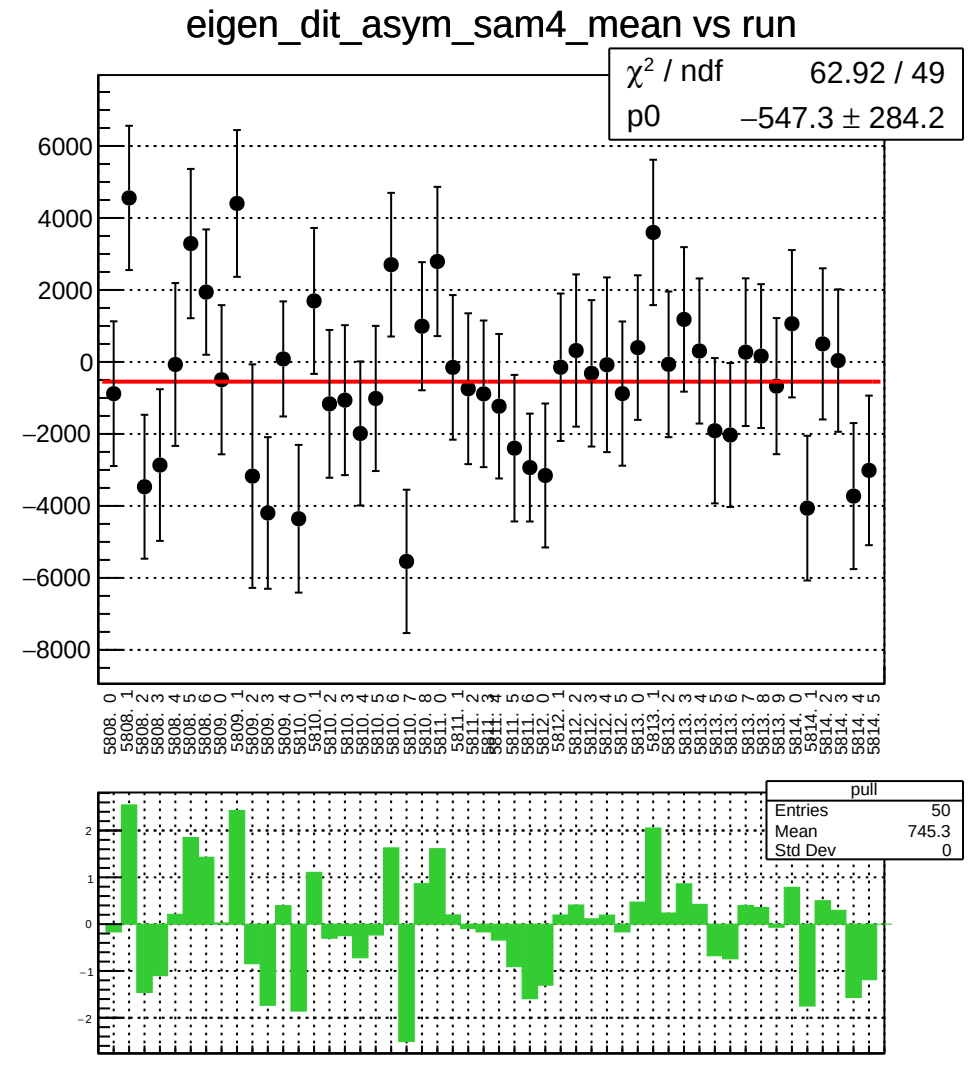

pull1D
Entries 50
Mean −0.002668
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

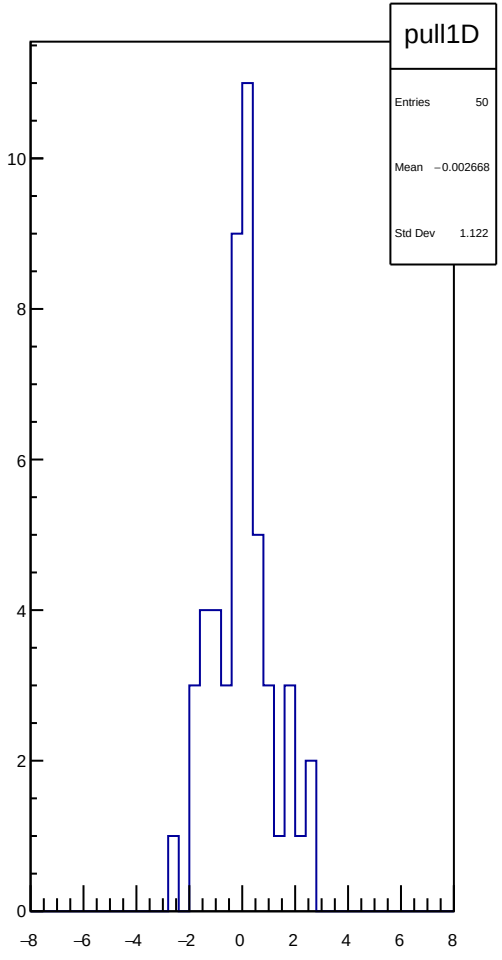

dit_asym_sam4_rms vs run
χ² / ndf 3276 / 49
p0 195.8 ± 0.201
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

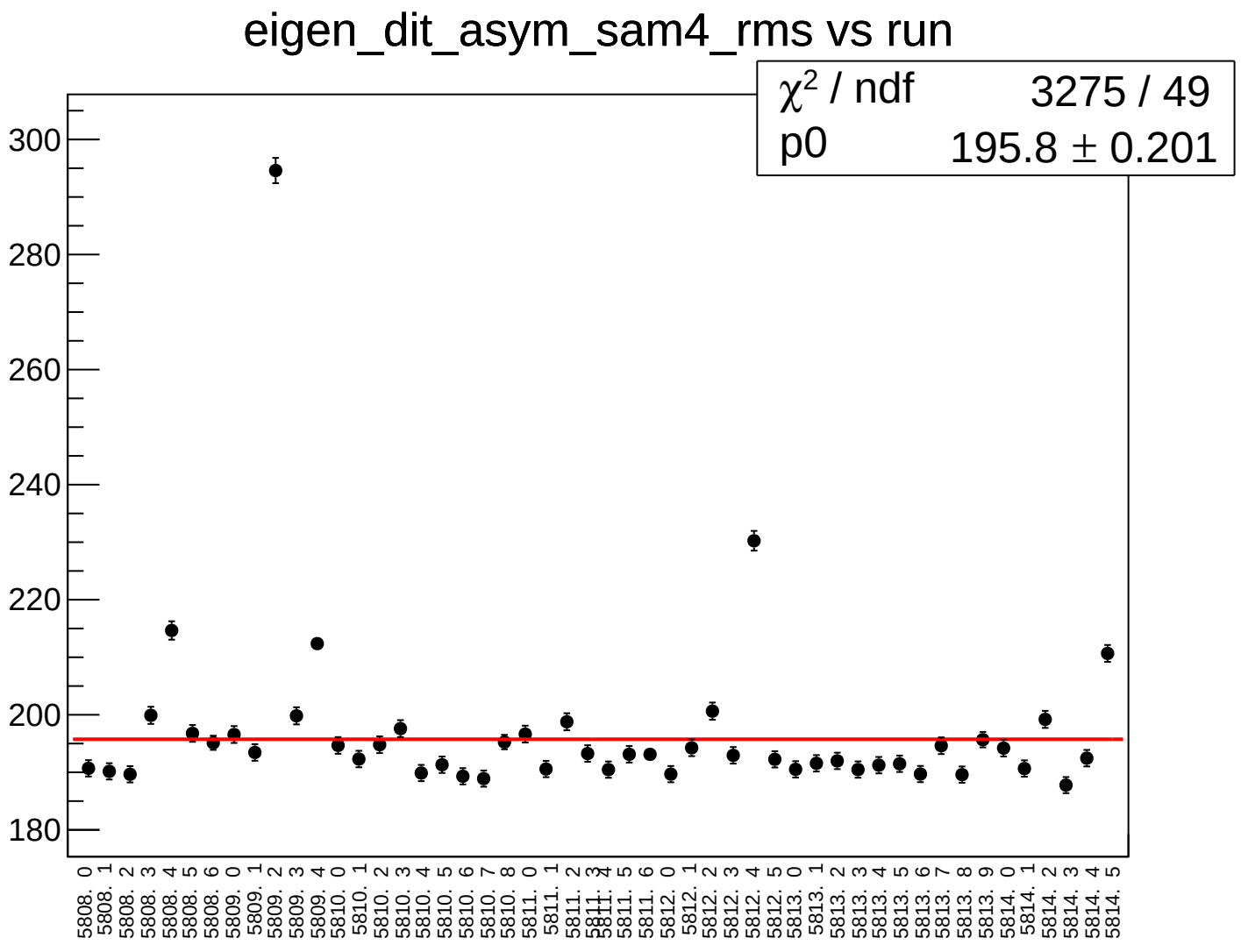

asym_sam4_dit_correction_mean vs run
χ² / ndf 60.35 / 49
p0 −3028 ± 2778
pull
Entries 50
Mean 912.4
Std Dev 0

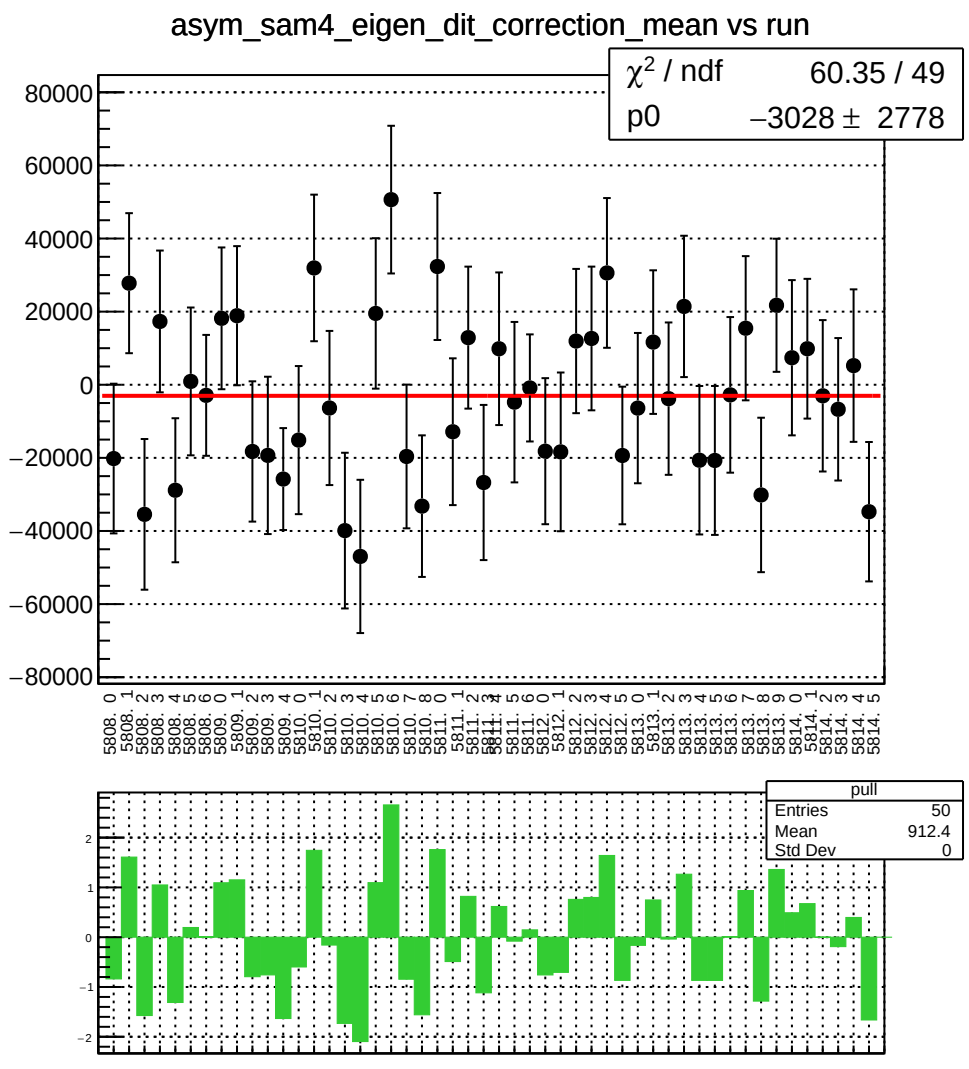

pull1D
Entries 50
Mean 0.0009488
Std Dev 1.099

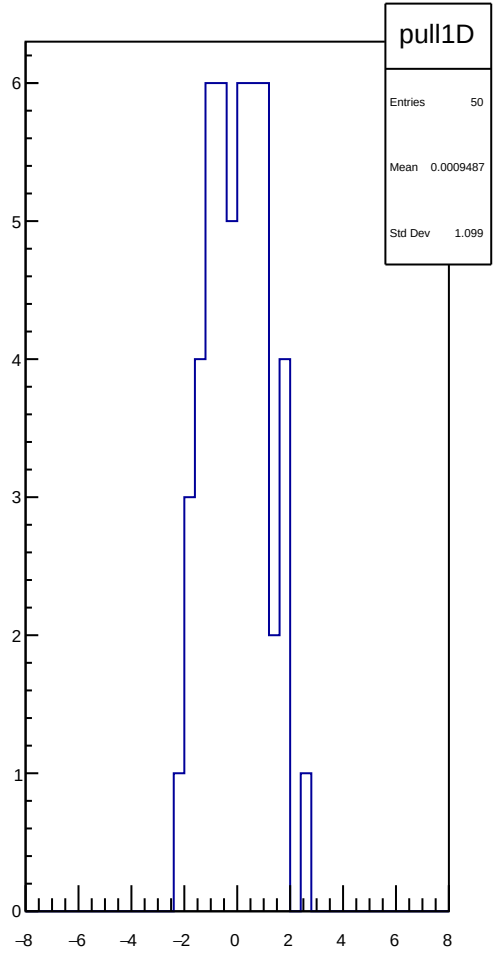

asym_sam4_dit_correction_rms vs run
χ² / ndf 1474 / 49
p0 1915 ± 1.964
2150
2100
2050
2000
1950
1900
1850
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

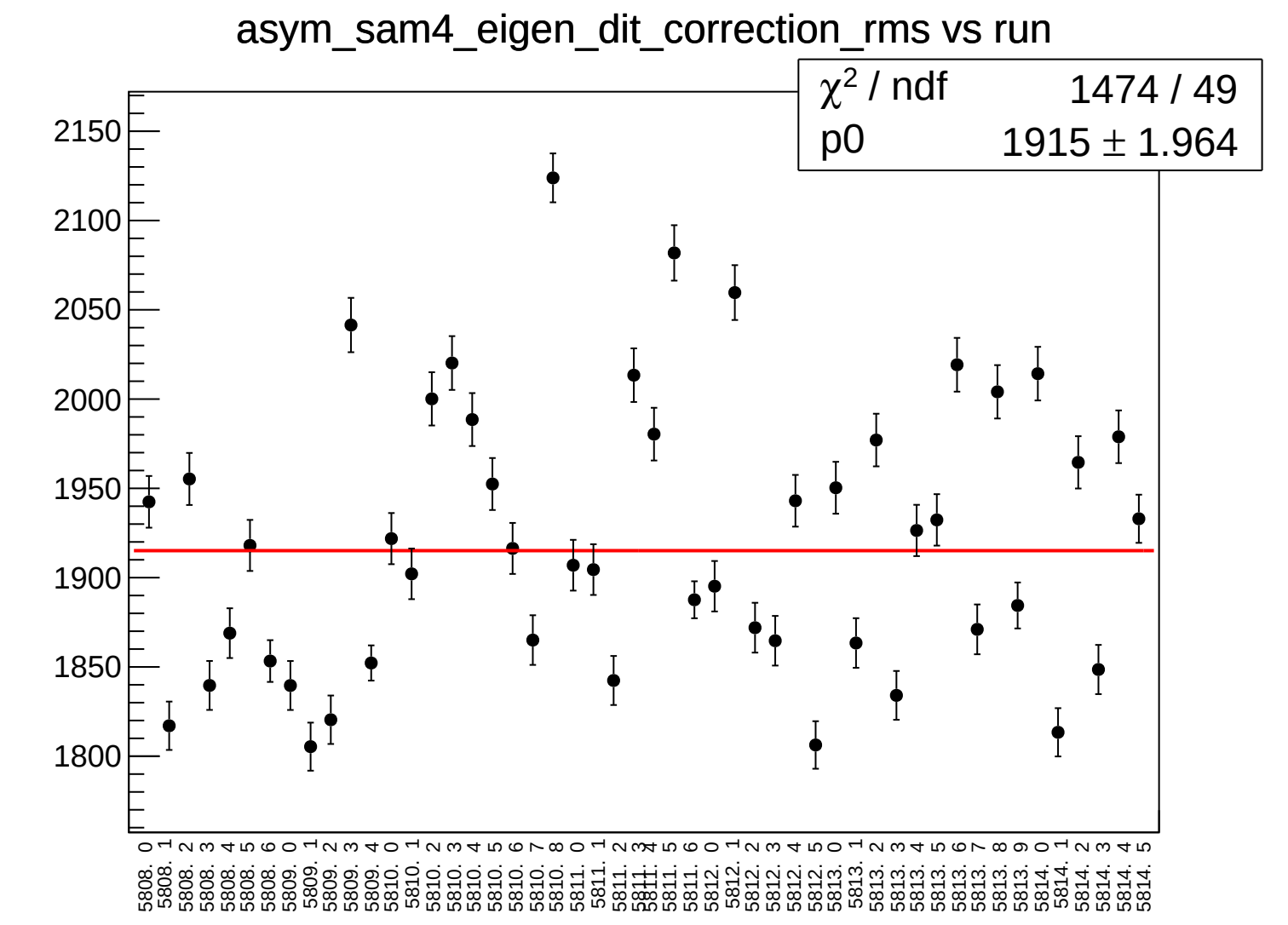

eigen_dit_asym_sam4_mean vs run
χ² / ndf 62.92 / 49
p0 −547.3 ± 284.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 745.3
Std Dev 0
2
1
0
−1
−2

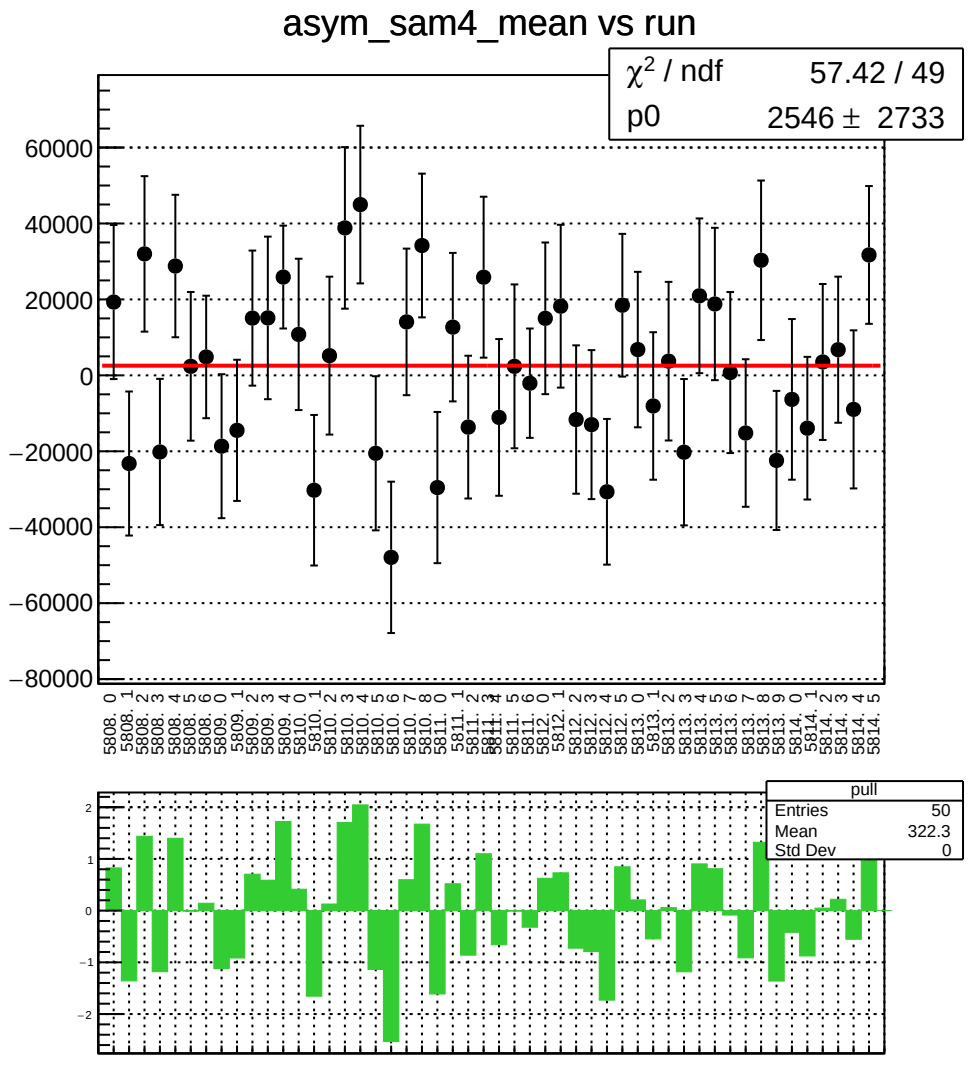

pull1D
Entries 50
Mean −0.002668
Std Dev 1.122
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

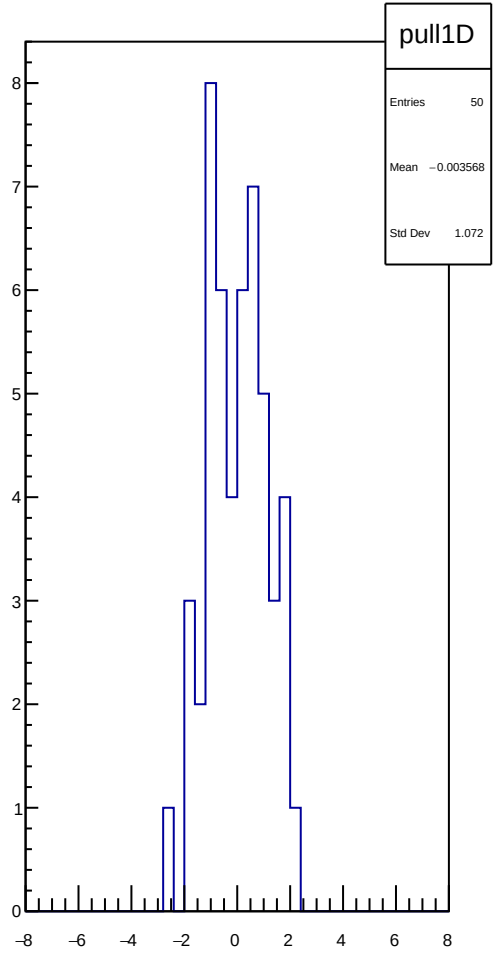

eigen_dit_asym_sam4_rms vs run
χ² / ndf 3275 / 49
p0 195.8 ± 0.201
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

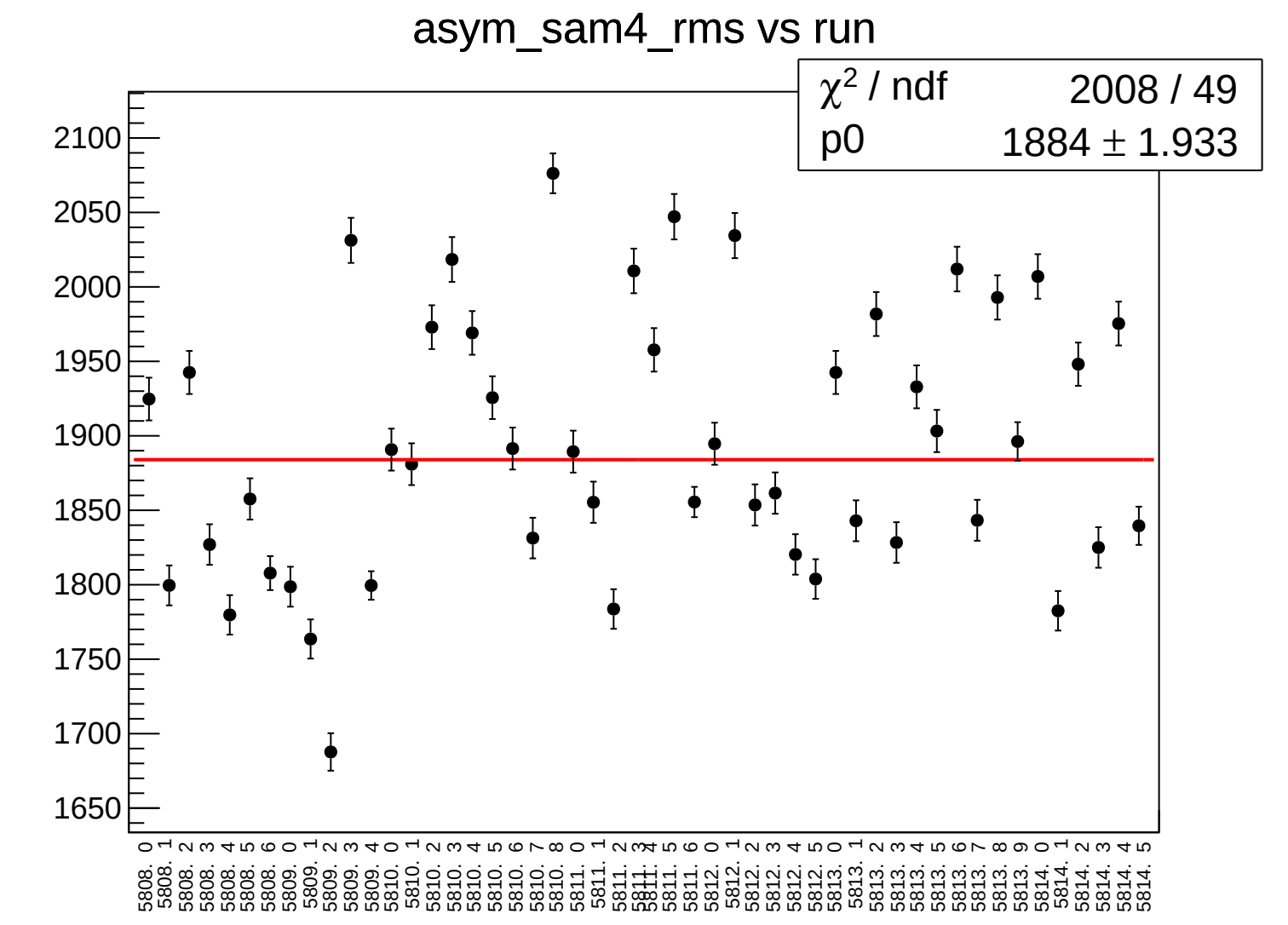

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 60.35 / 49
p0 −3028 ± 2778
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
pull
Entries 50
Mean 912.4
Std Dev 0

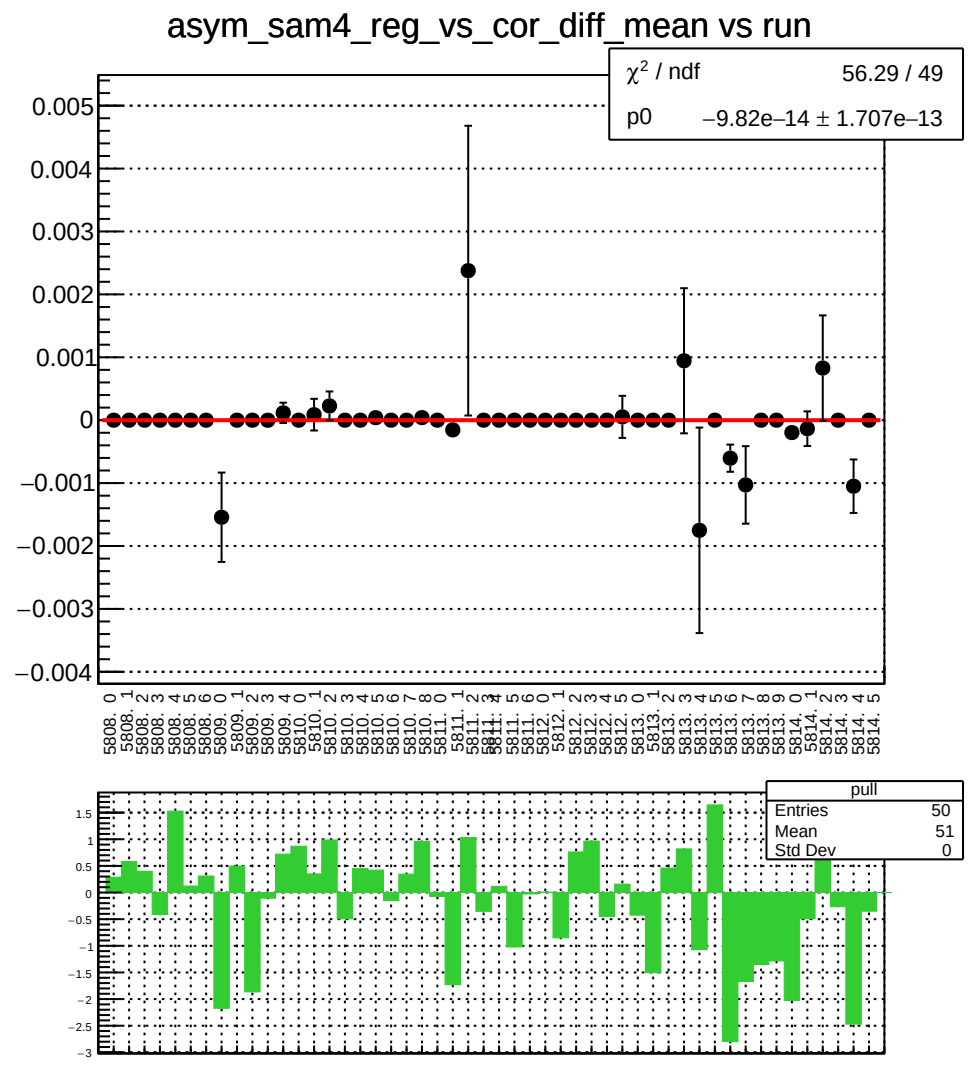

pull1D
Entries 50
Mean 0.0009487
Std Dev 1.099

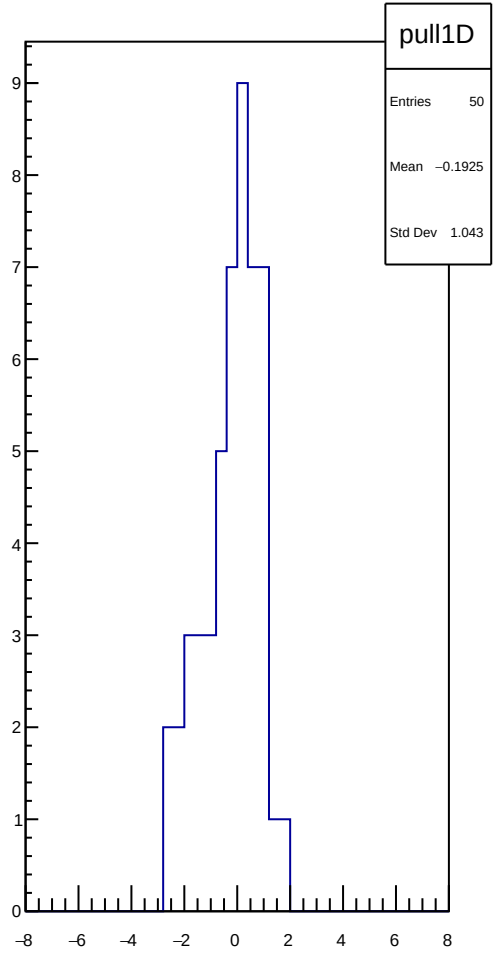

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1474 / 49
p0 1915 ± 1.964
2150
2100
2050
2000
1950
1900
1850
1800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

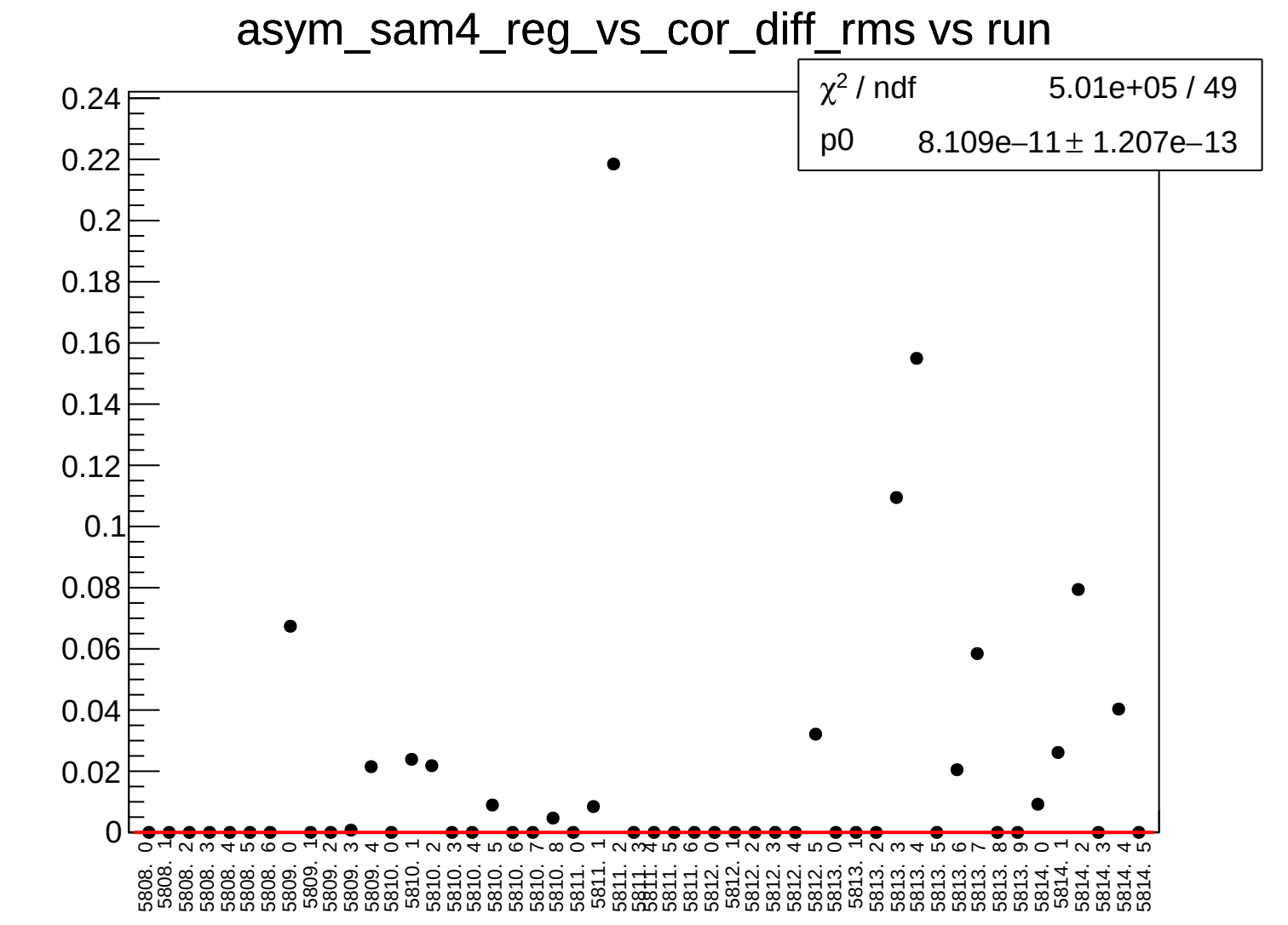

asym_sam4_mean vs run
χ² / ndf 57.42 / 49
p0 2546 ± 2733
60000
40000
20000
0
−20000
−40000
−60000
−80000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 322.3
Std Dev 0
2
1
0
−1
−2

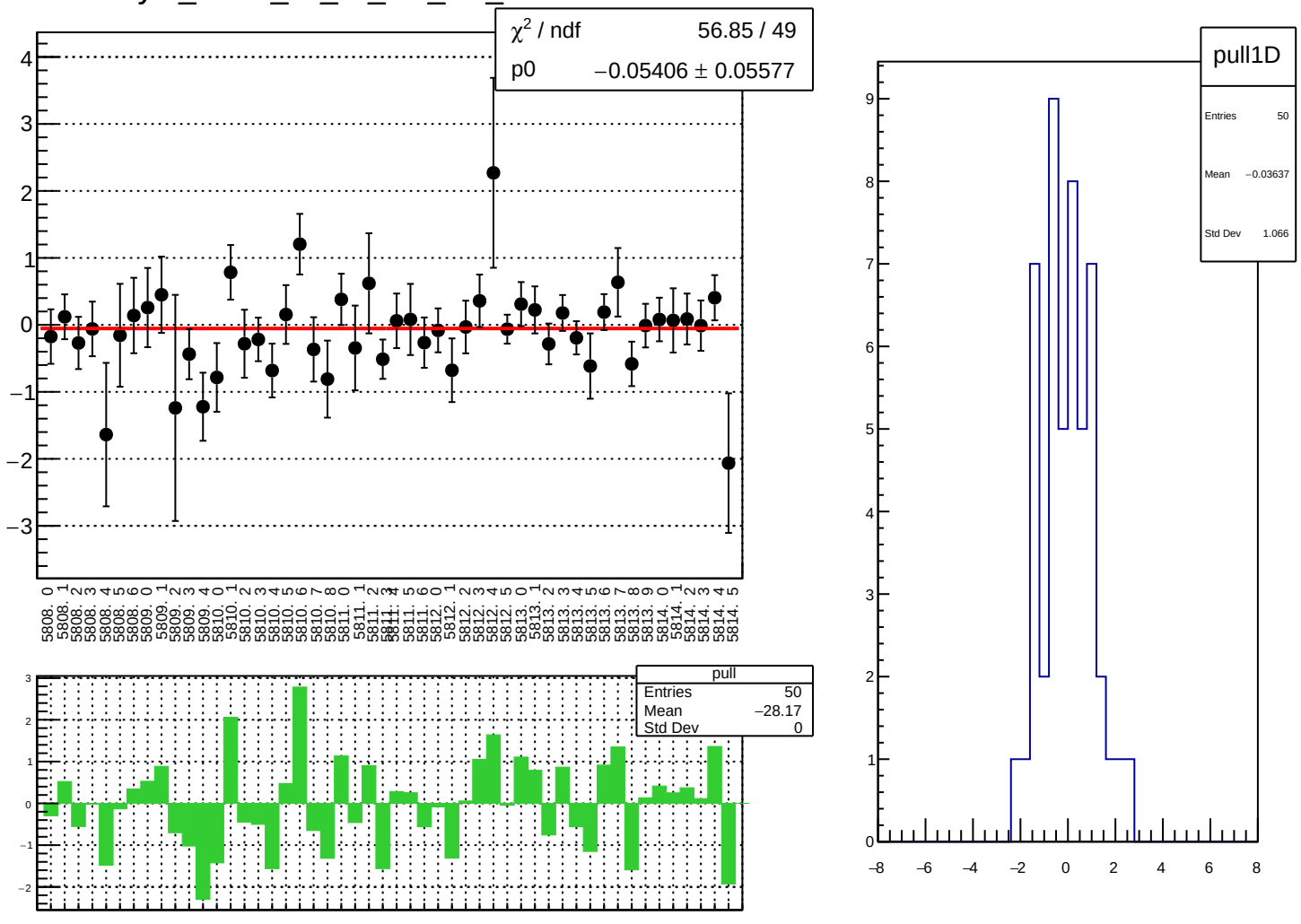

pull1D
Entries 50
Mean −0.003568
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

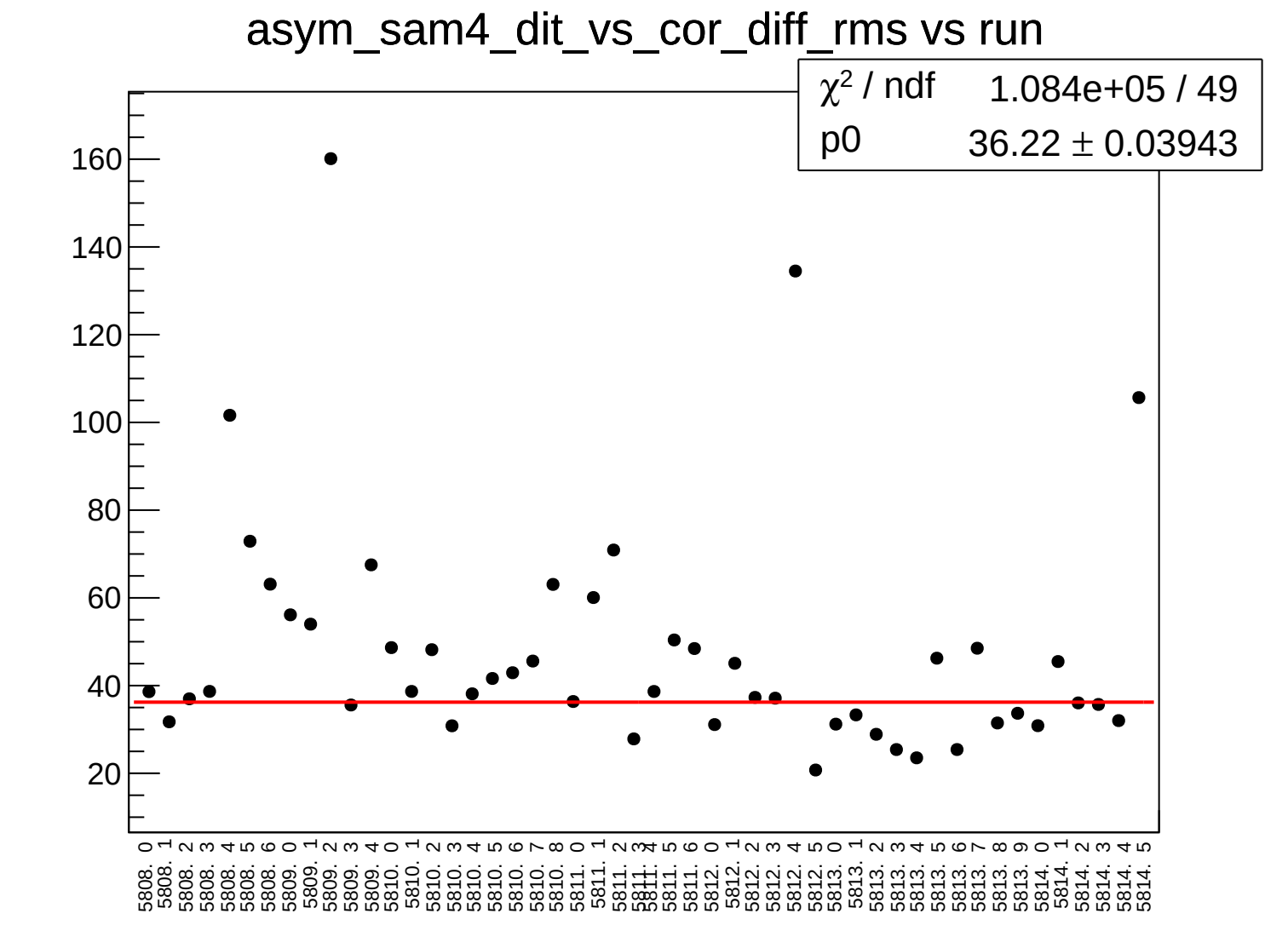

asym_sam4_rms vs run
χ² / ndf 2008 / 49
p0 1884 ± 1.933
2100
2050
2000
1950
1900
1850
1800
1750
1700
1650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

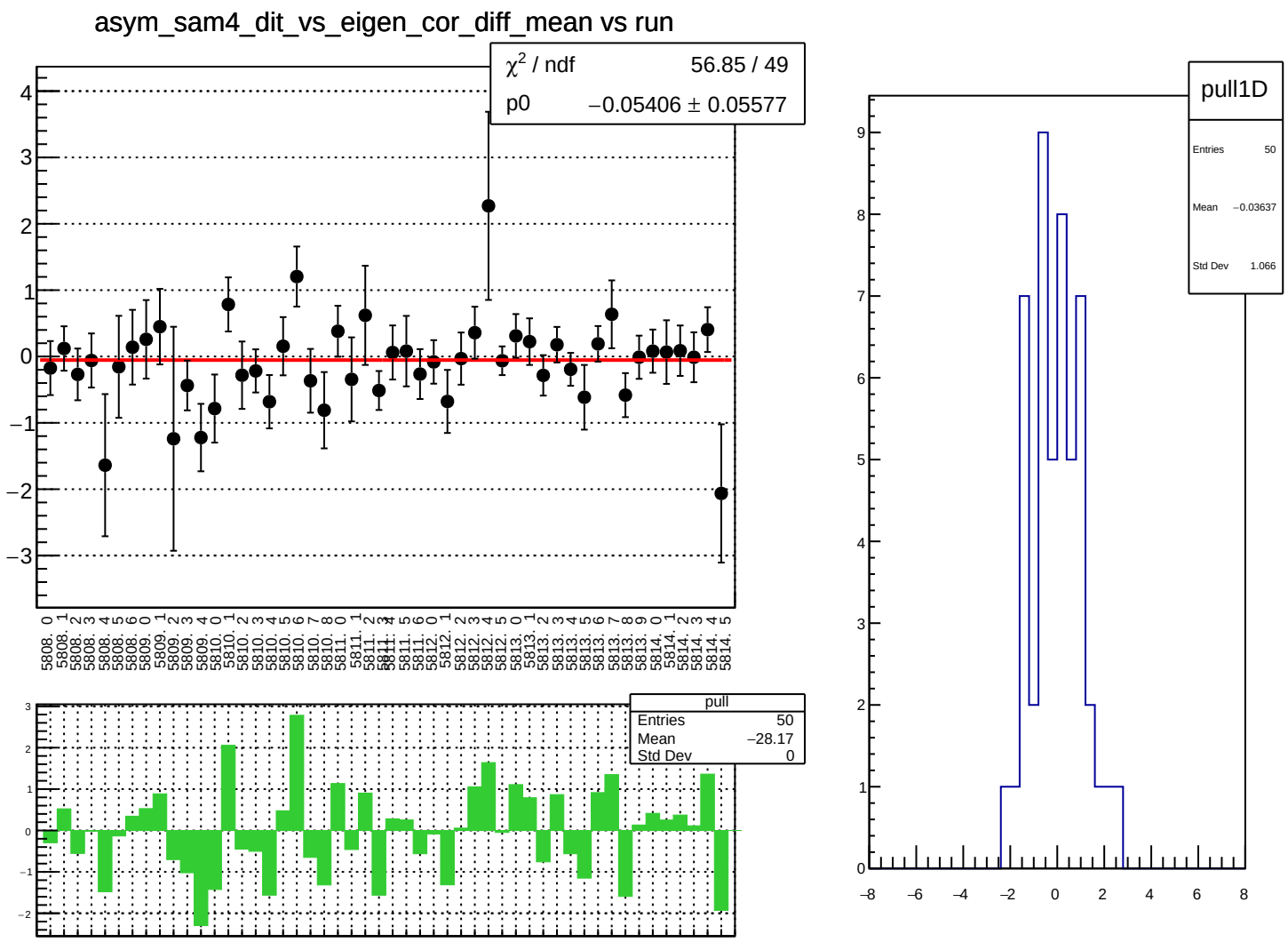

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 56.29 / 49
p0 −9.82e−14 ± 1.707e−13
pull
Entries 50
Mean 51
Std Dev 0

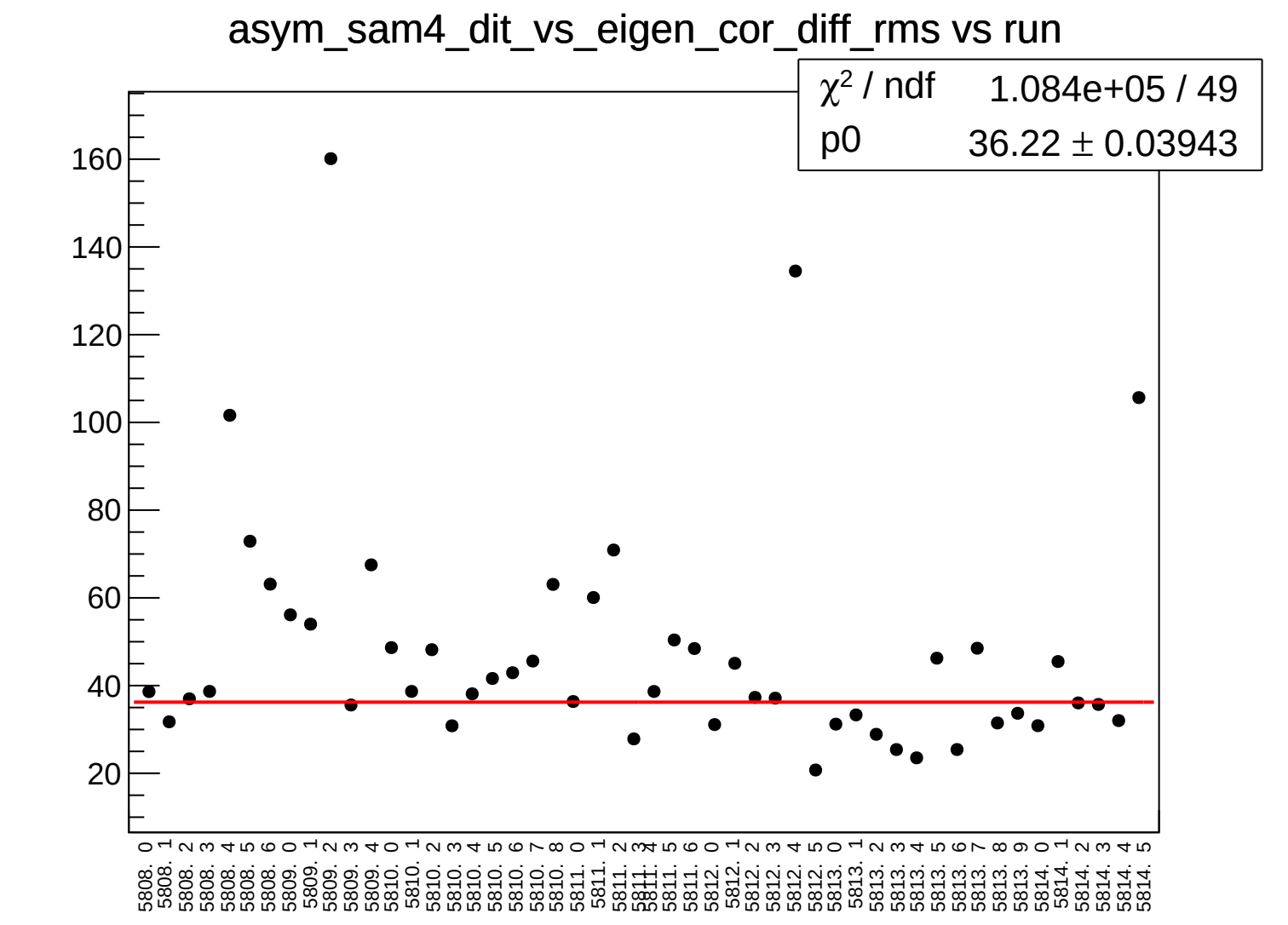

pull1D
Entries 50
Mean −0.1925
Std Dev 1.043

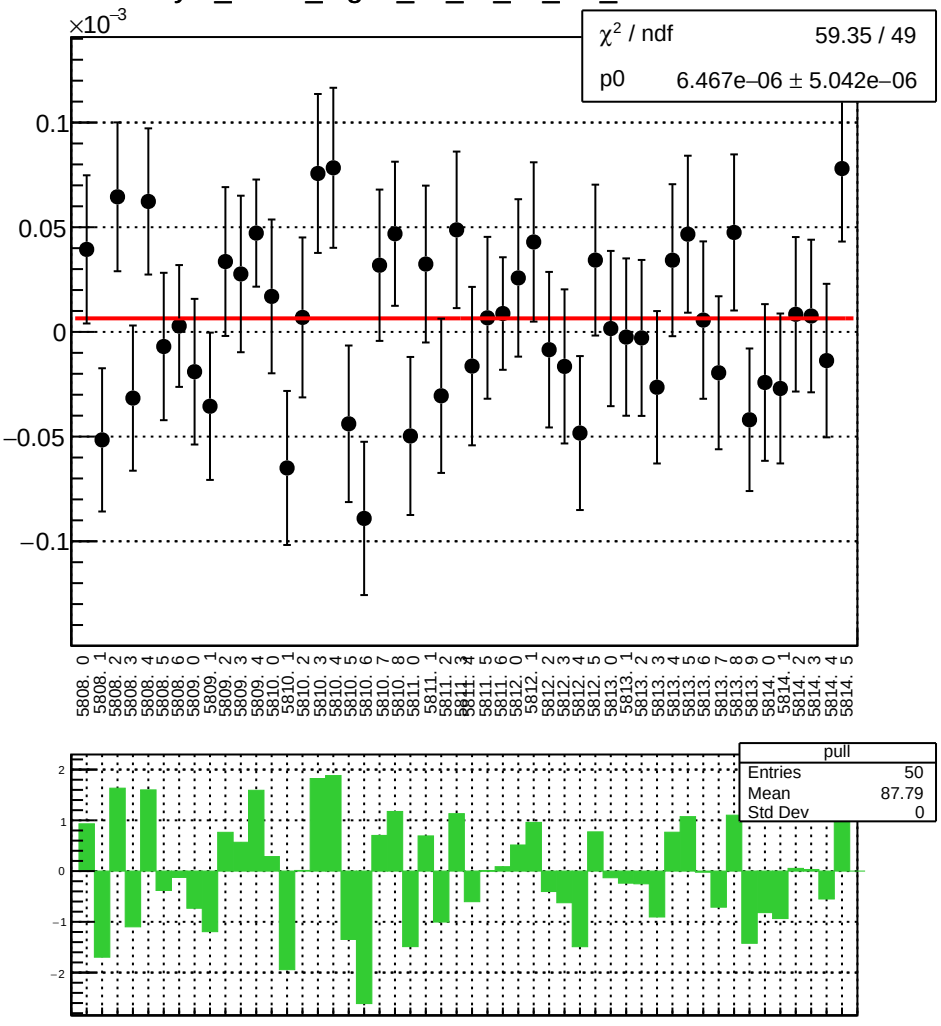

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 5.01e+05 / 49
p0 8.109e−11 ± 1.207e−13
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

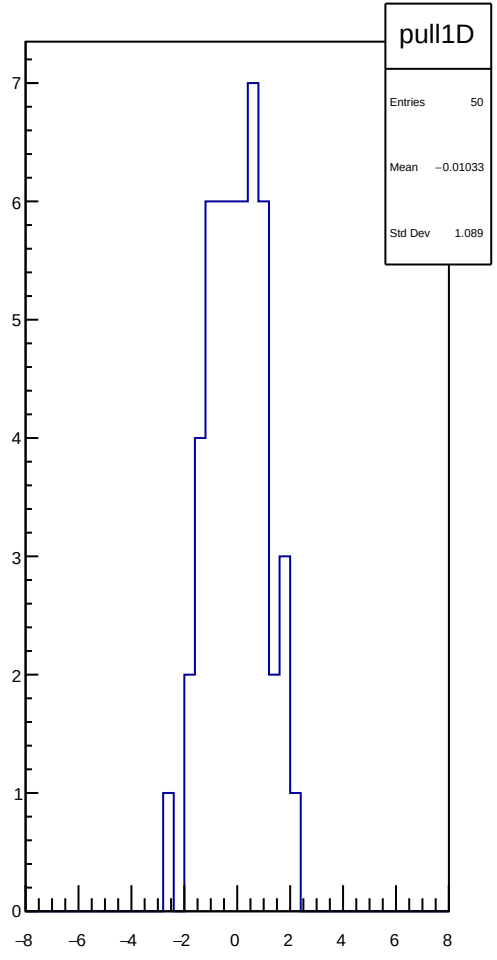

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 56.85 / 49
p0 −0.05406 ± 0.05577
pull
Entries 50
Mean −28.17
Std Dev 0
pull1D
Entries 50
Mean −0.03637
Std Dev 1.066

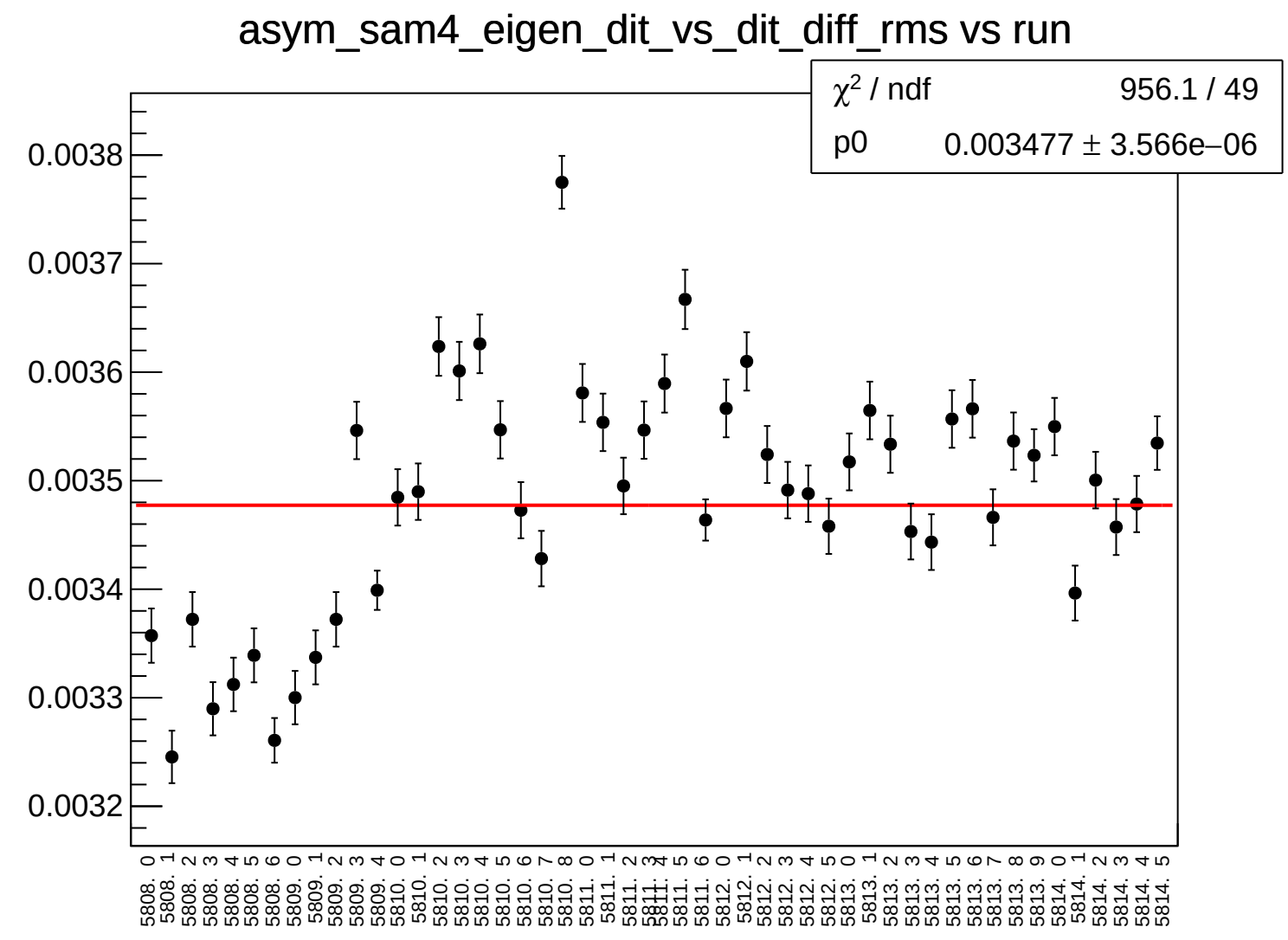

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 49
p0 36.22 ± 0.03943
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

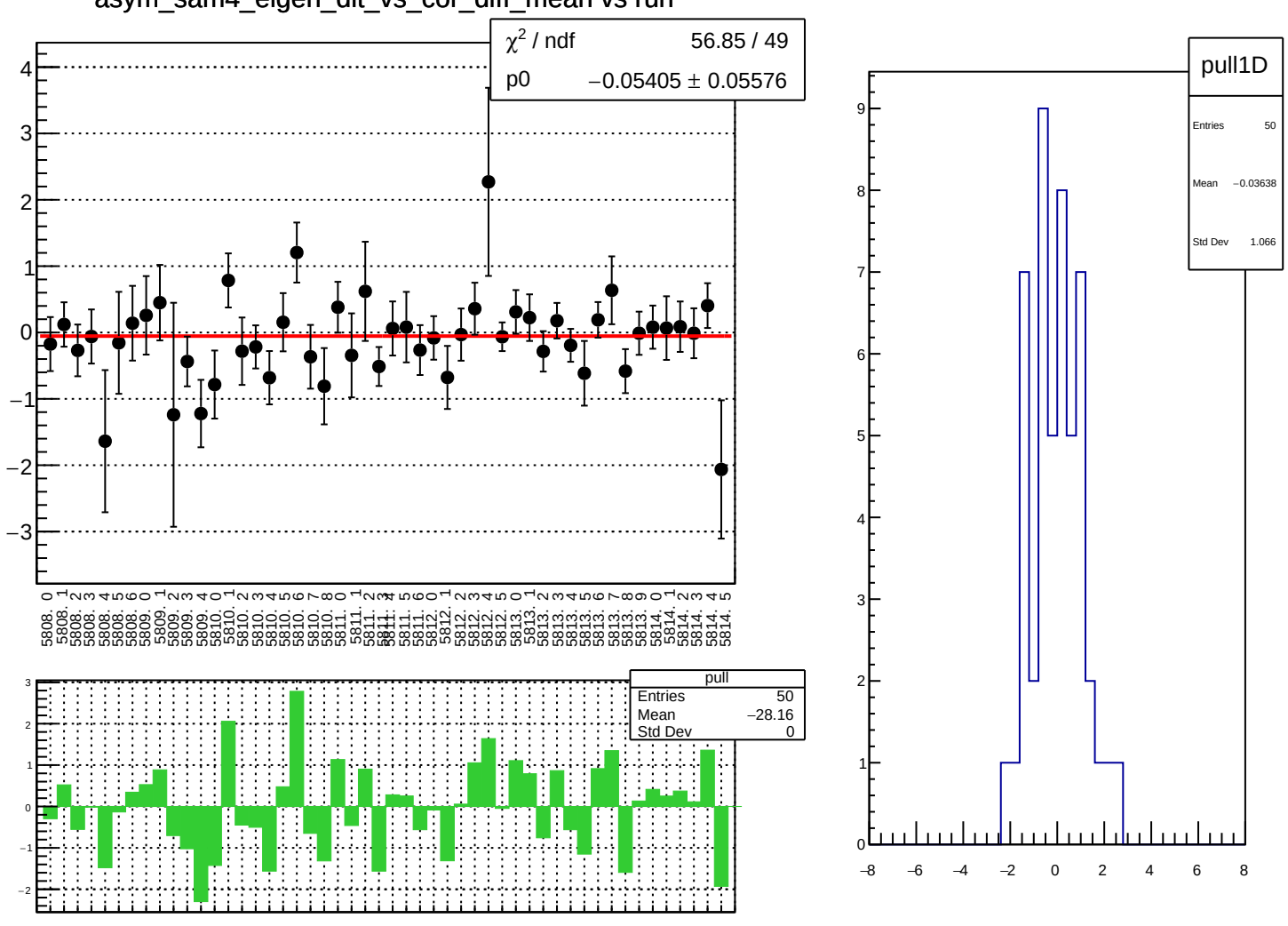

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.85 / 49
p0 −0.05406 ± 0.05577
pull
Entries 50
Mean −28.17
Std Dev 0
pull1D
Entries 50
Mean −0.03637
Std Dev 1.066

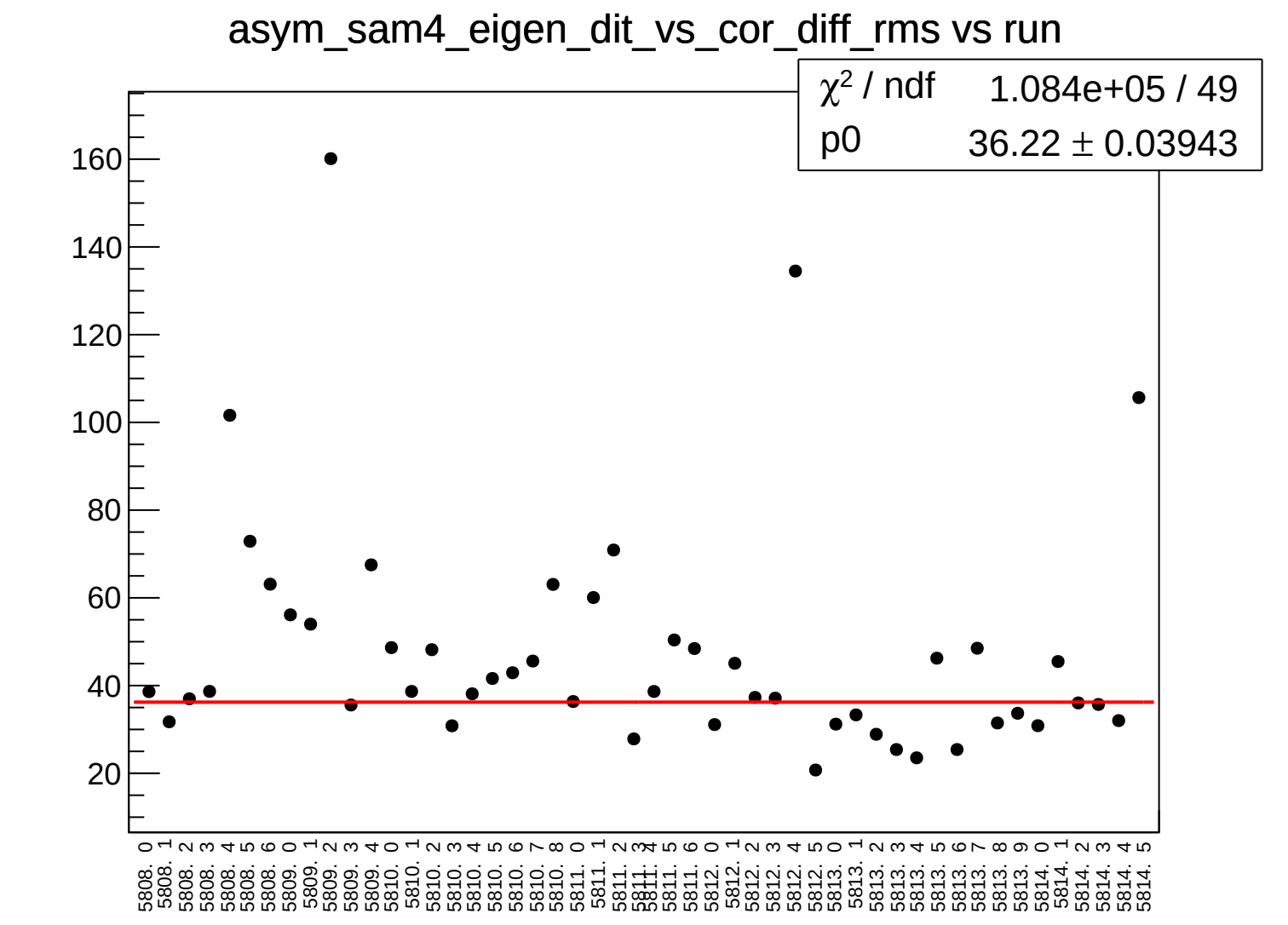

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 49
p0 36.22 ± 0.03943
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

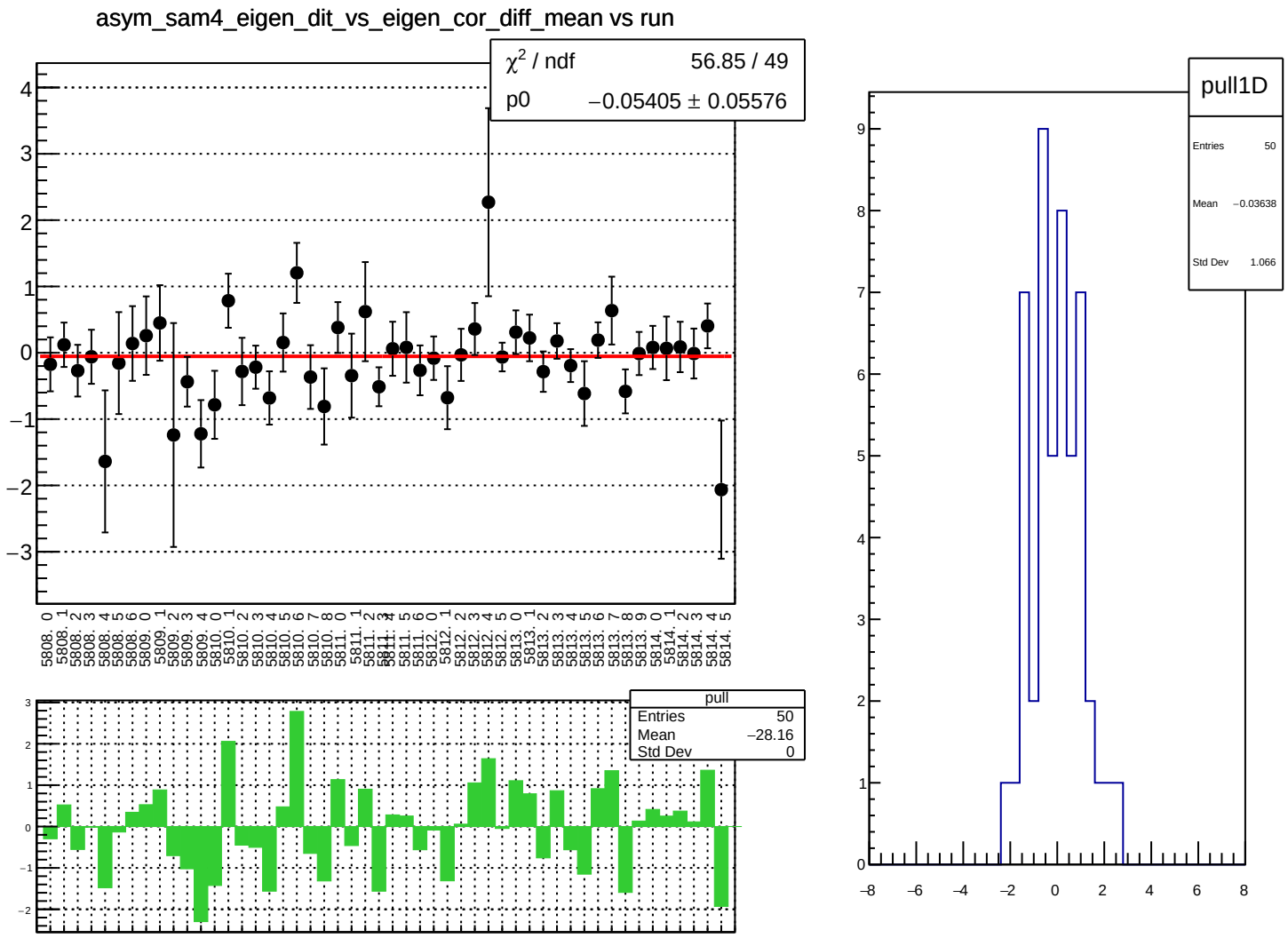

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.35 / 49
p0 6.467e−06 ± 5.042e−06
0.1
0.05
0
−0.05
−0.1
pull
Entries 50
Mean 87.79
Std Dev 0
2
1
0
−1
−2

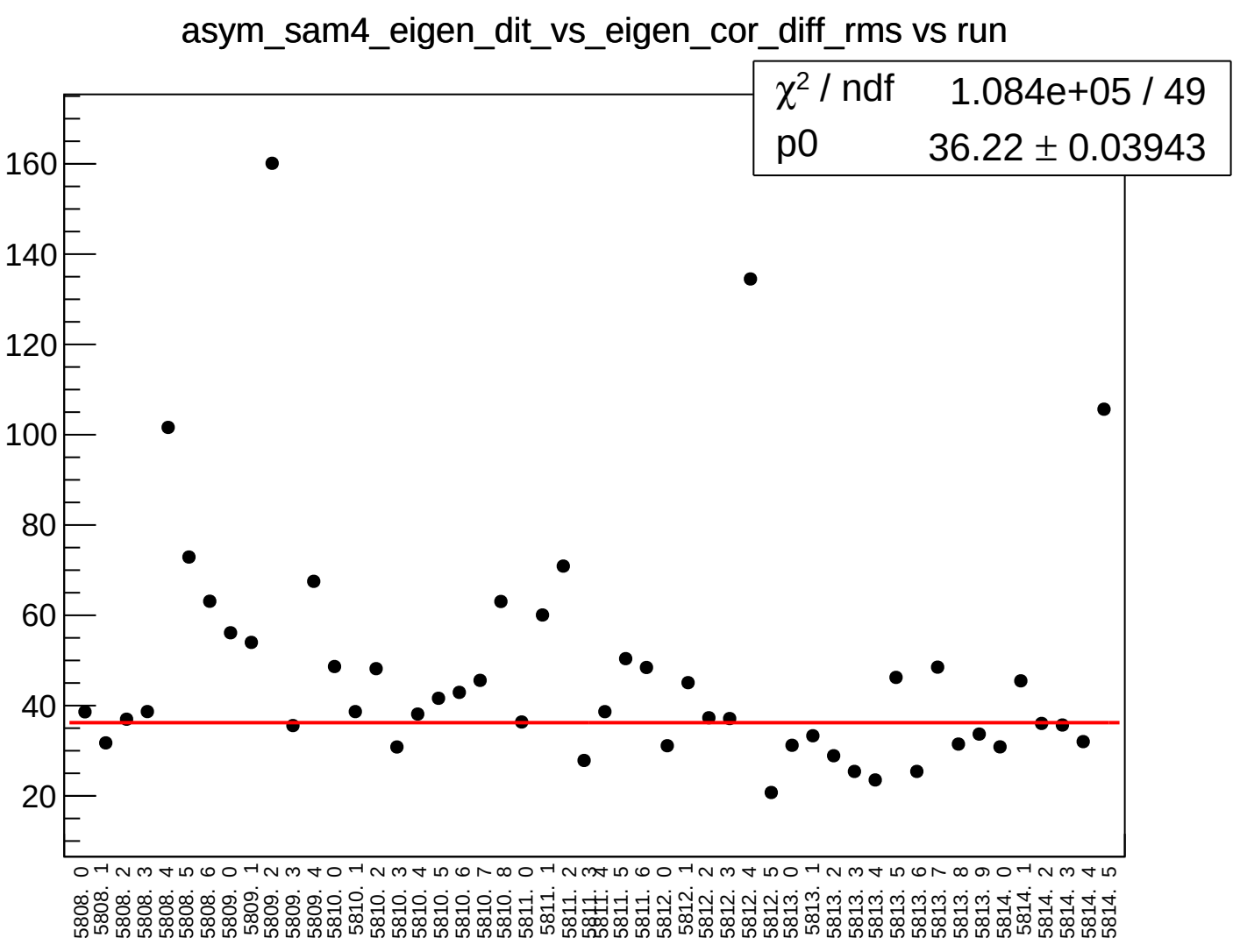

pull1D
Entries 50
Mean −0.01033
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

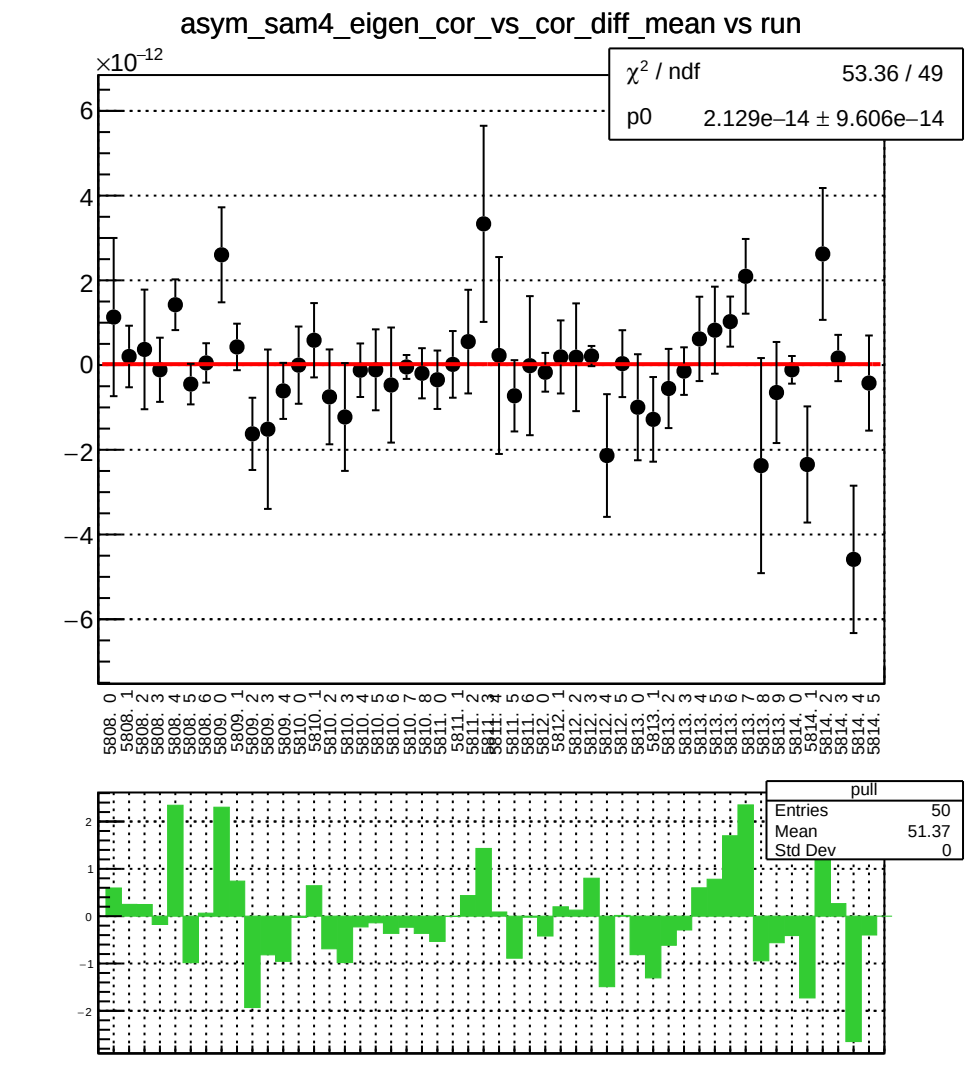

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 956.1 / 49
p0 0.003477 ± 3.566e−06
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

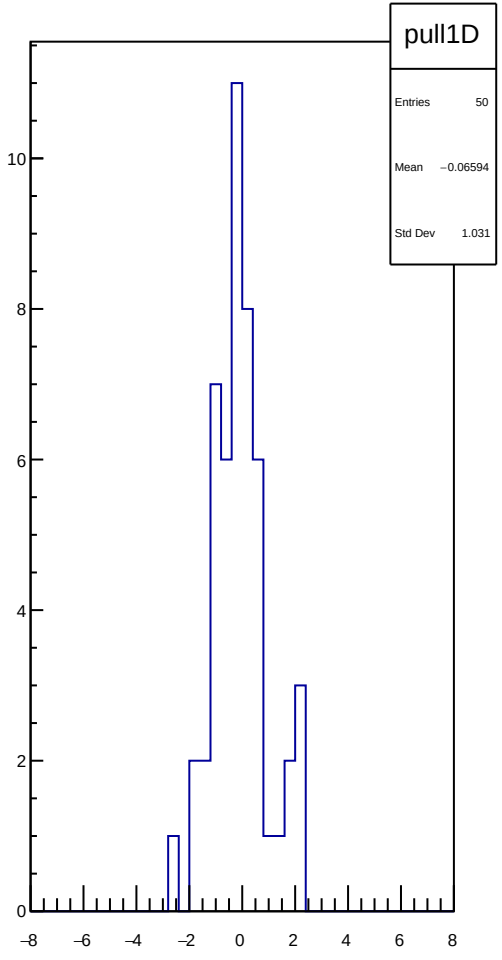

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.85 / 49
p0 −0.05405 ± 0.05576
pull
Entries 50
Mean −28.16
Std Dev 0
pull1D
Entries 50
Mean −0.03638
Std Dev 1.066

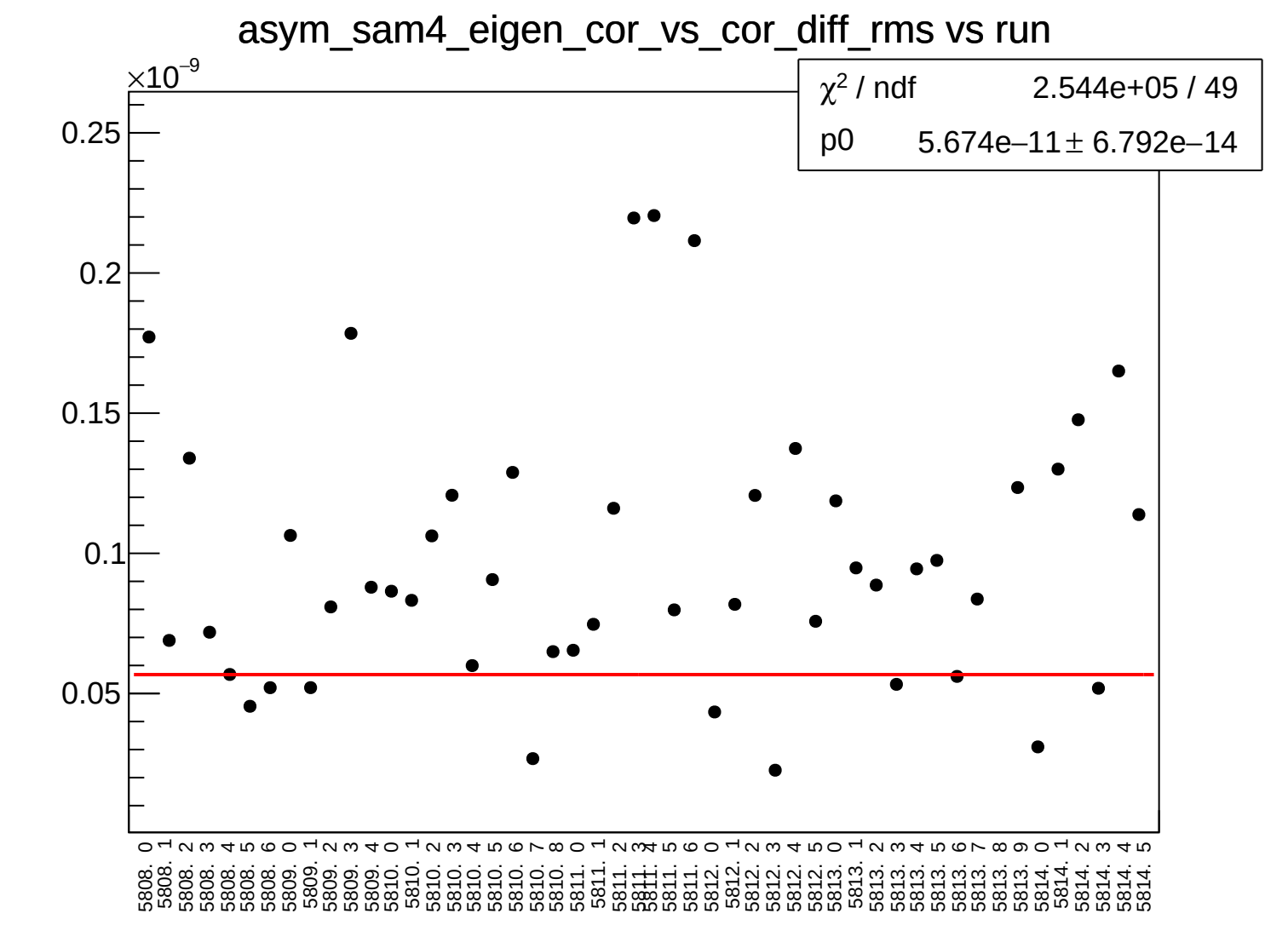

asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 49
p0 36.22 ± 0.03943
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

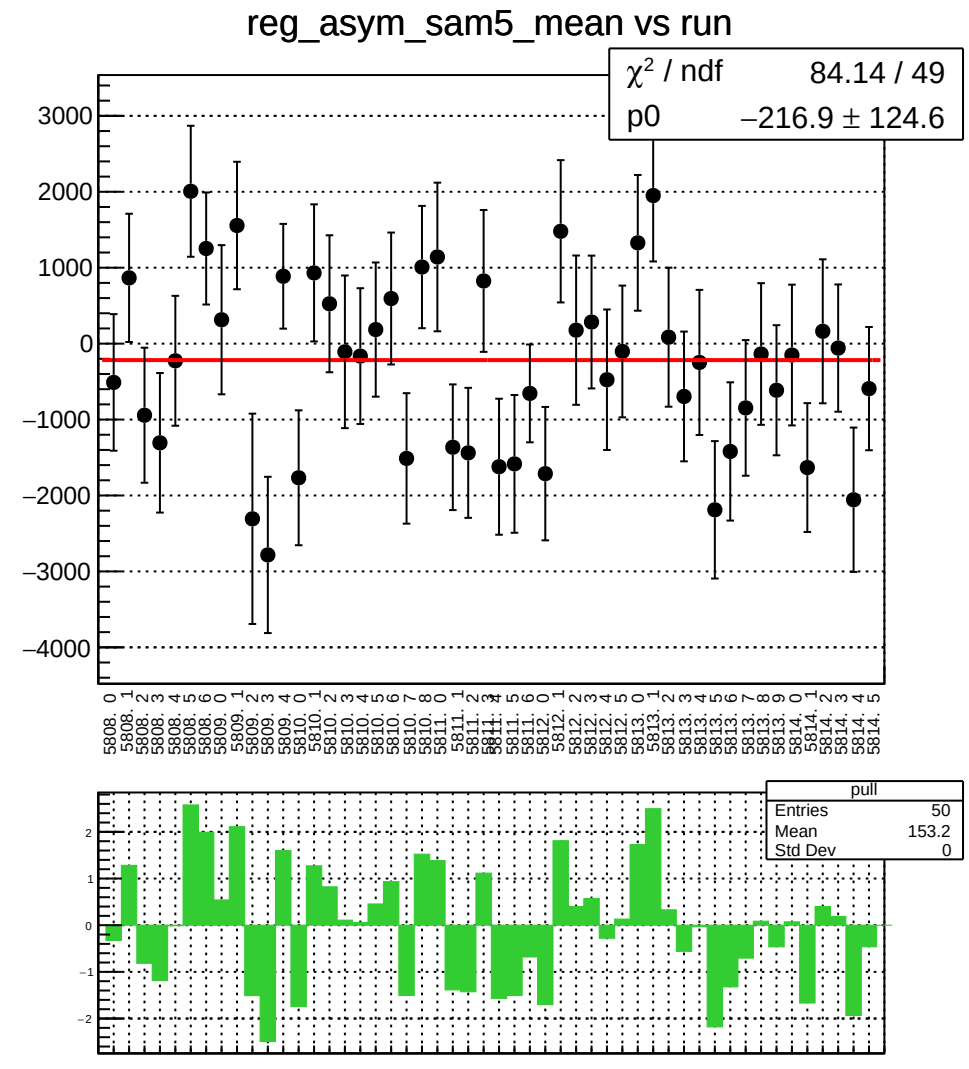

asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.85 / 49
p0 −0.05405 ± 0.05576
pull
Entries 50
Mean −28.16
Std Dev 0
pull1D
Entries 50
Mean −0.03638
Std Dev 1.066

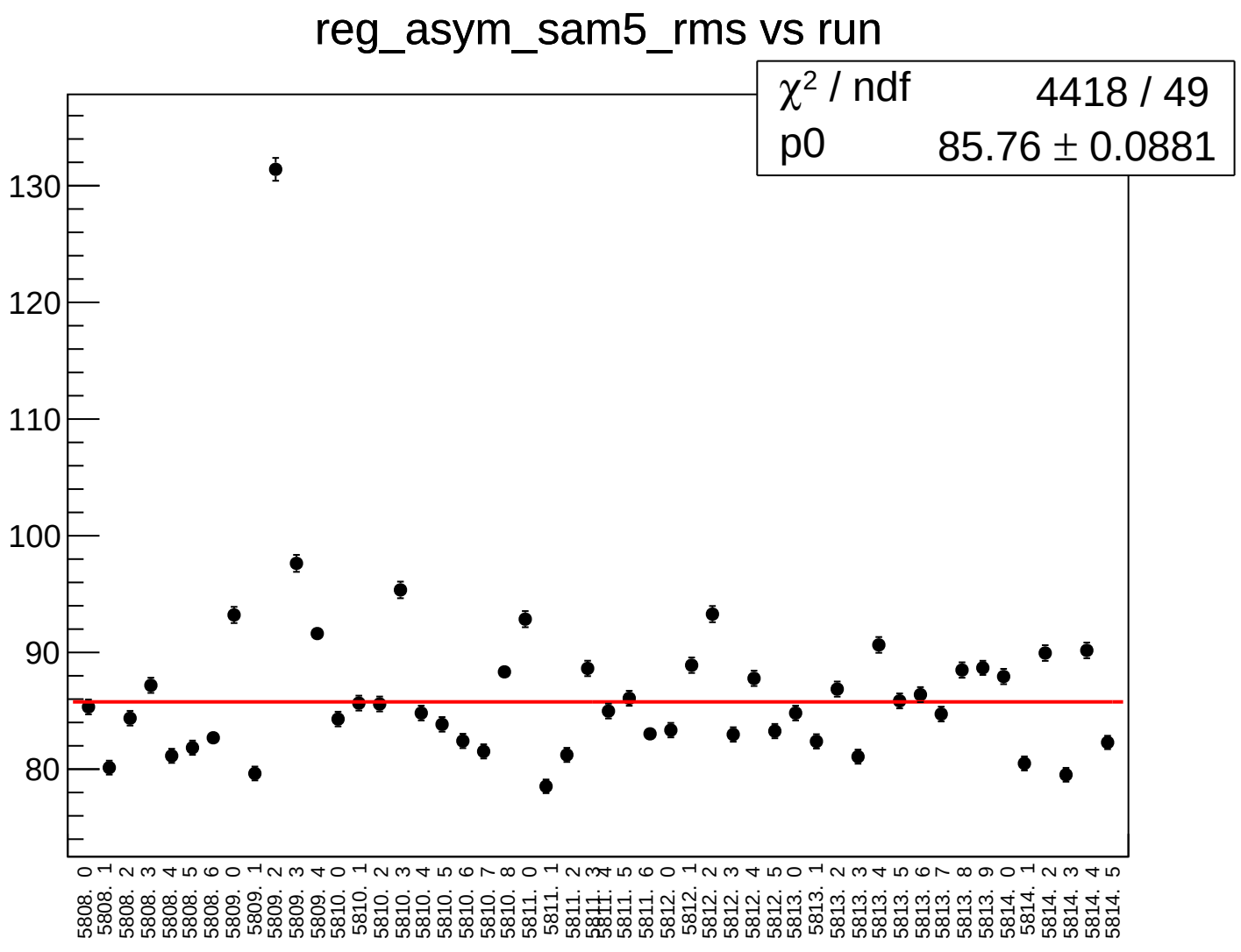

asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.084e+05 / 49
p0 36.22 ± 0.03943
160
140
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

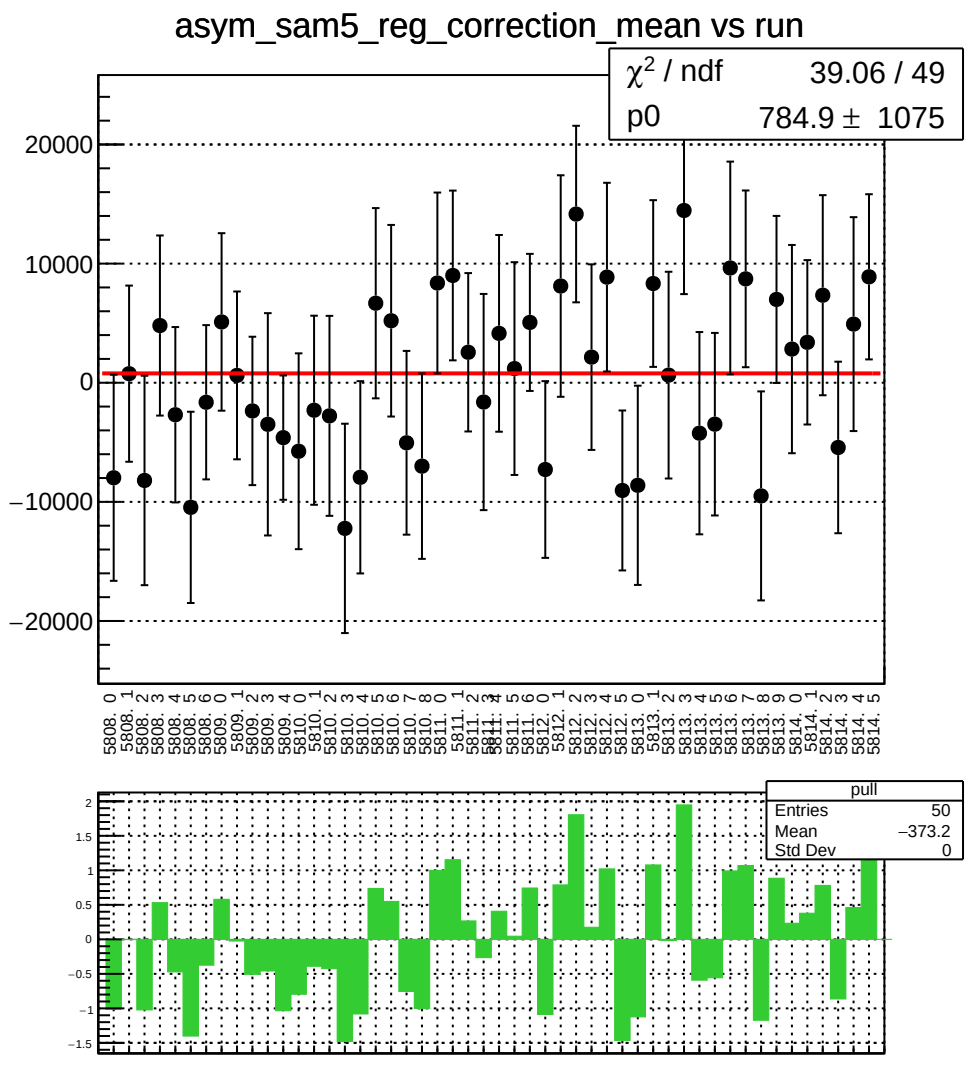

asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.36 / 49
p0 2.129e−14 ± 9.606e−14
pull
Entries 50
Mean 51.37
Std Dev 0

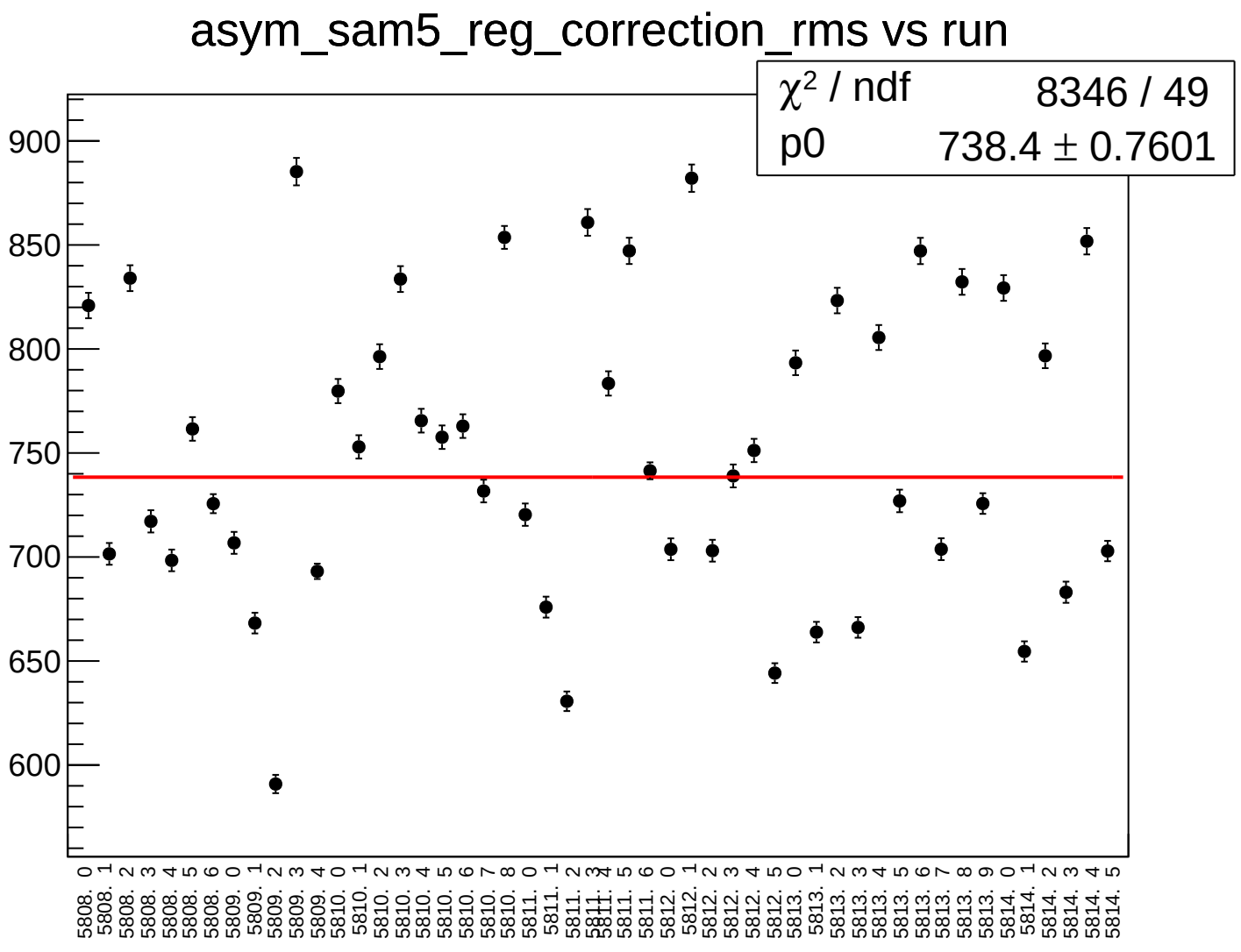

pull1D
Entries 50
Mean −0.06594
Std Dev 1.031

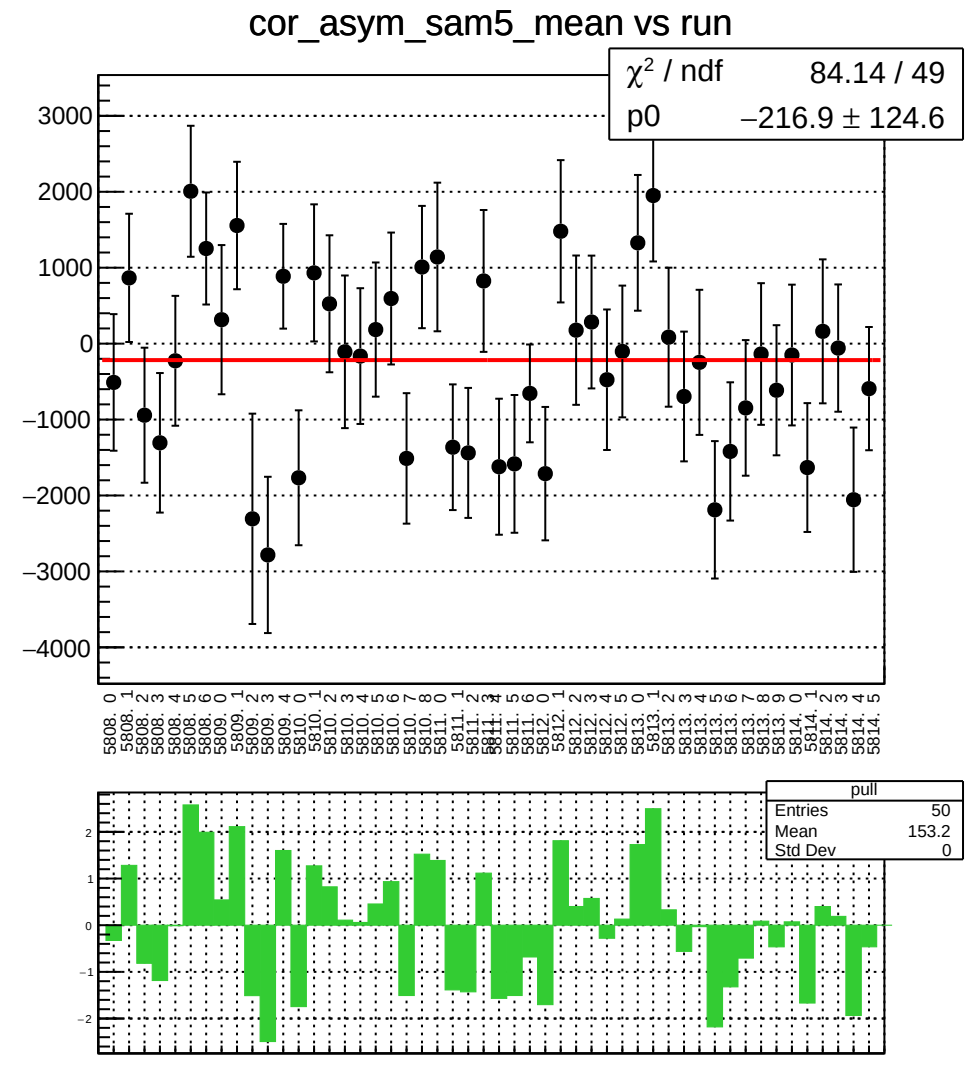

asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.544e+05 / 49
p0 5.674e−11 ± 6.792e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

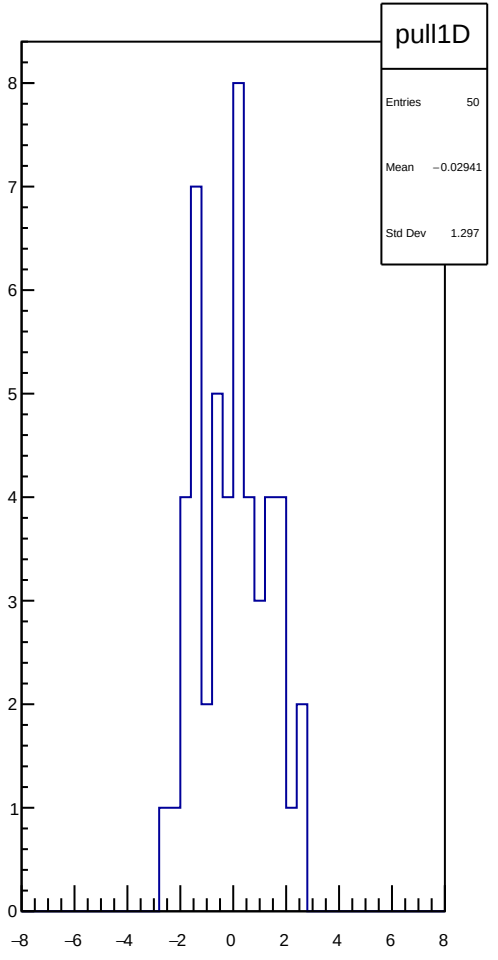

reg_asym_sam5_mean vs run
χ² / ndf 84.14 / 49
p0 −216.9 ± 124.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 153.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.02942
Std Dev 1.297
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

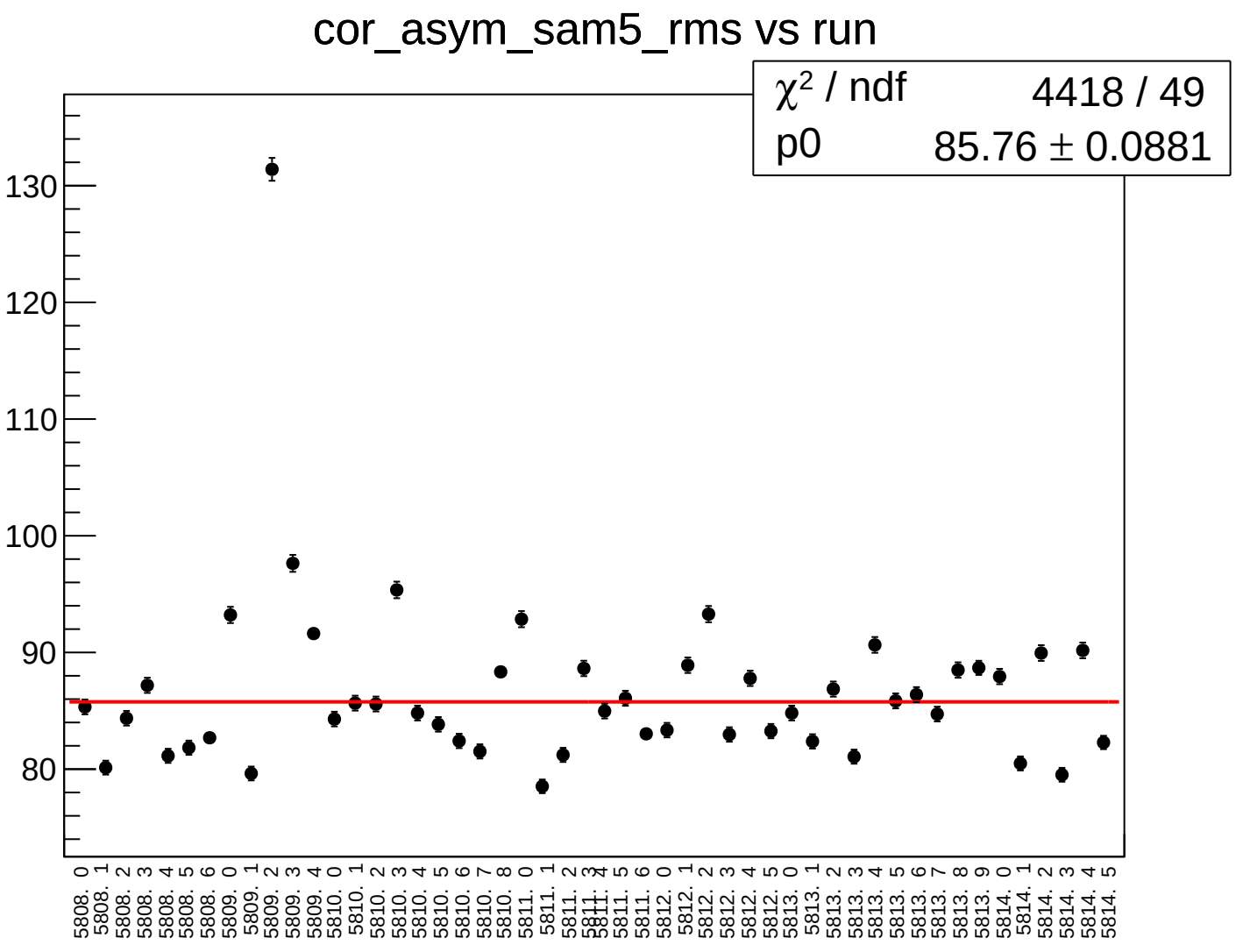

reg_asym_sam5_rms vs run
χ² / ndf 4418 / 49
p0 85.76 ± 0.0881
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam5_reg_correction_mean vs run
χ² / ndf 39.06 / 49
p0 784.9 ± 1075
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −373.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0115
Std Dev 0.8838
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_reg_correction_rms vs run
χ² / ndf 8346 / 49
p0 738.4 ± 0.7601
900
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam5_mean vs run
χ² / ndf 84.14 / 49
p0 −216.9 ± 124.6
pull
Entries 50
Mean 153.2
Std Dev 0


pull1D
Entries 50
Mean −0.02941
Std Dev 1.297


cor_asym_sam5_rms vs run
χ² / ndf 4418 / 49
p0 85.76 ± 0.0881
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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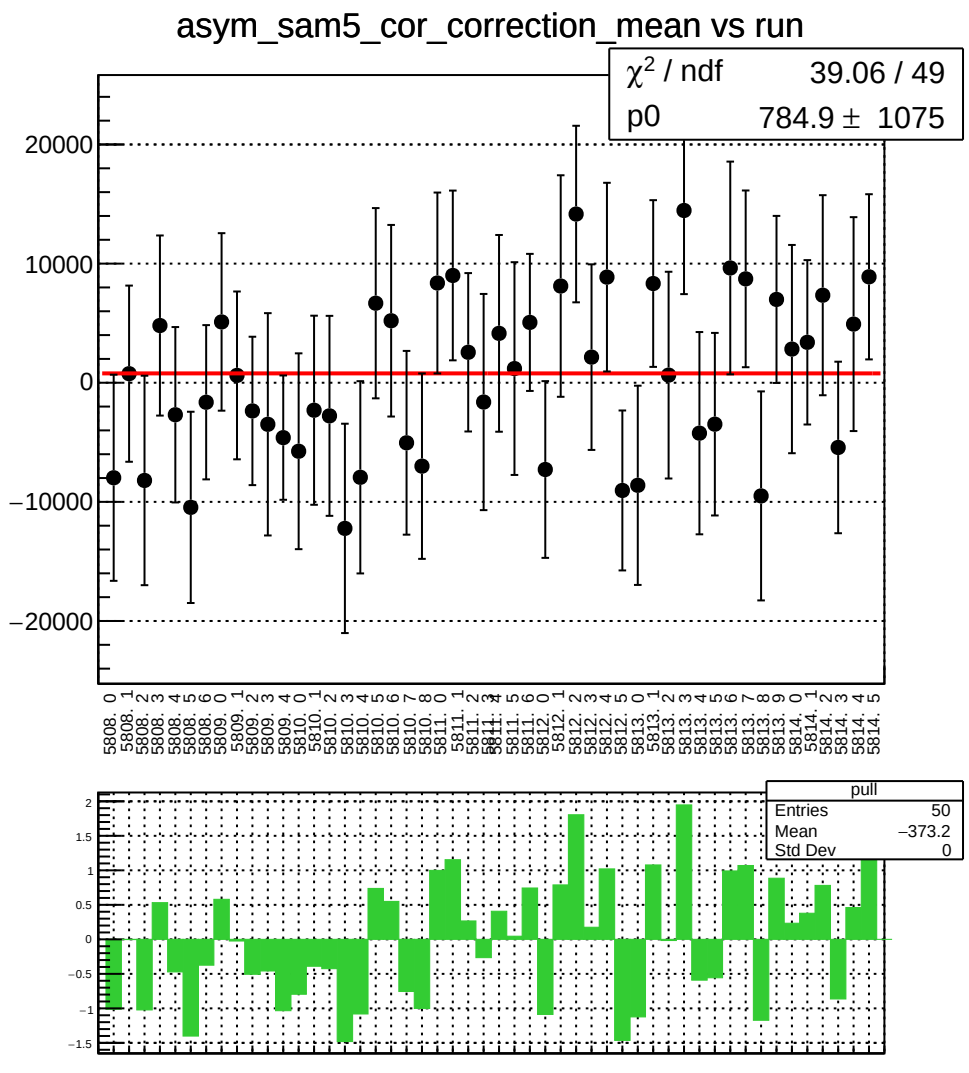
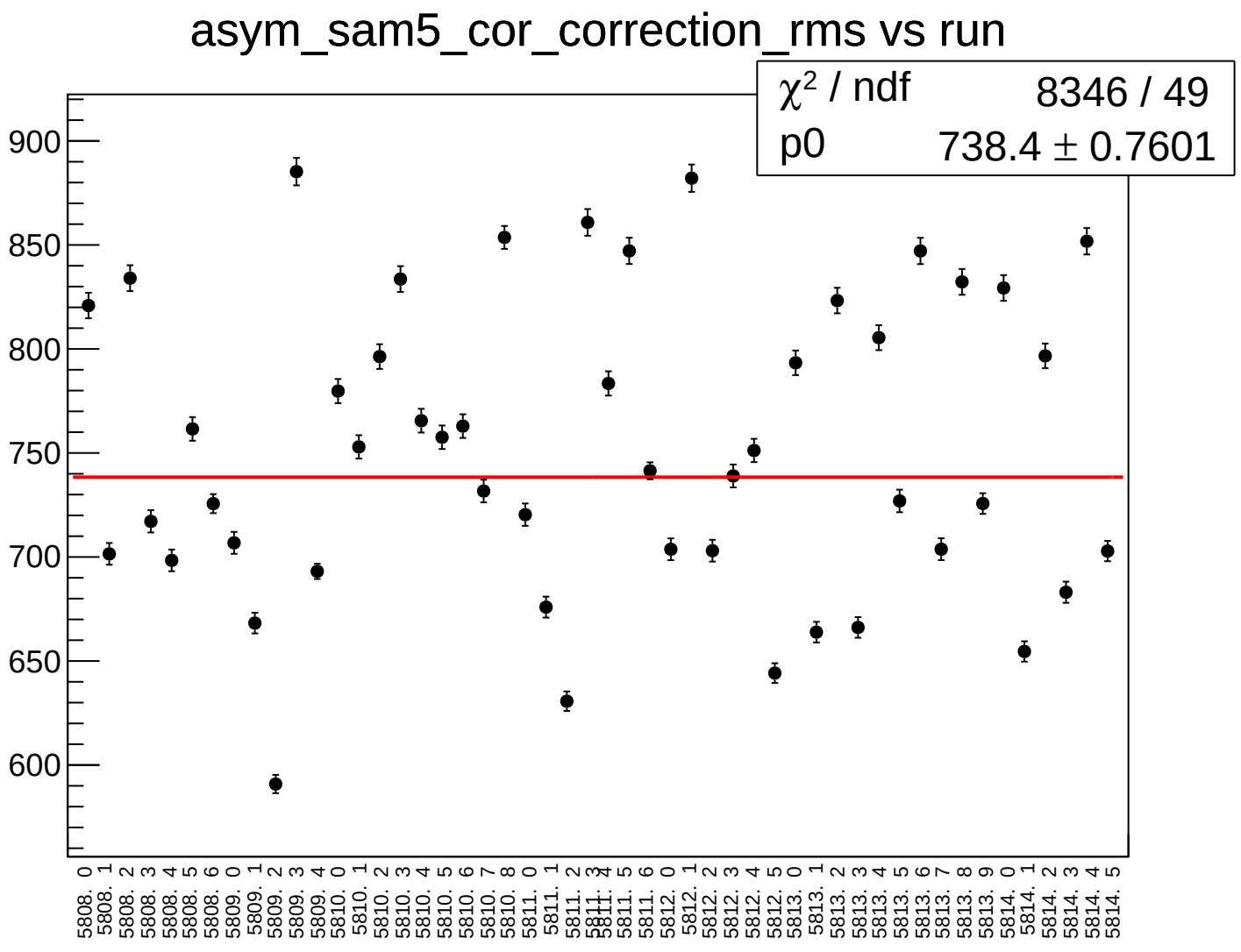
5814. 4
5814. 5


asym_sam5_cor_correction_mean vs run
χ² / ndf 39.06 / 49
p0 784.9 ± 1075
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −373.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0115
Std Dev 0.8838
9
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 8346 / 49
p0 738.4 ± 0.7601
900
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
5814. 0
5814. 1
5814. 2
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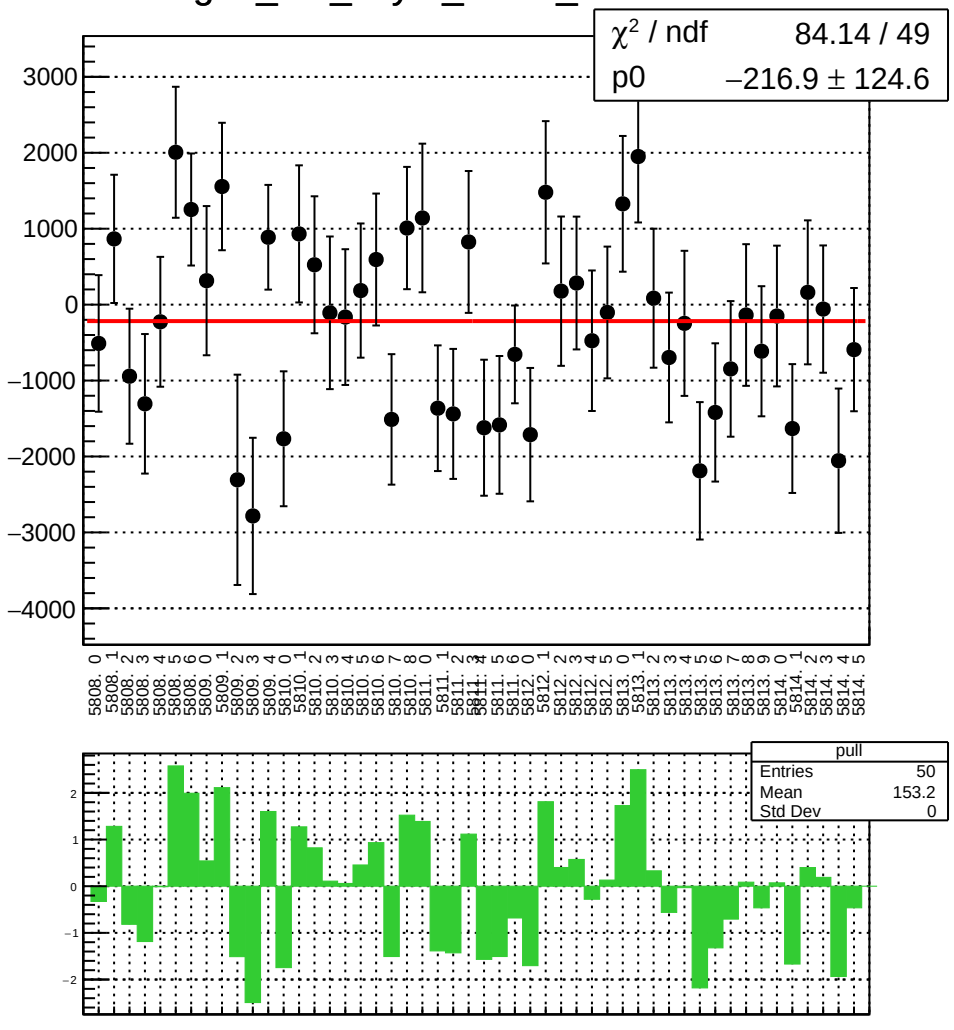
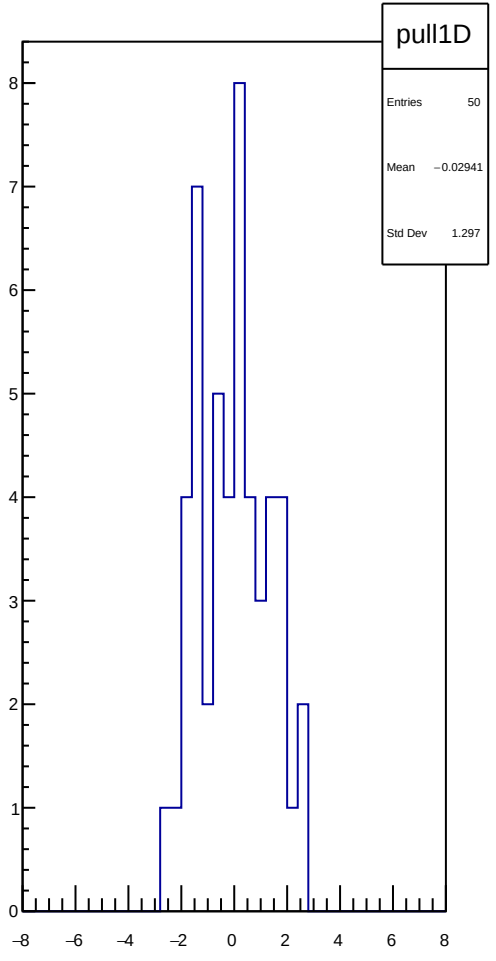
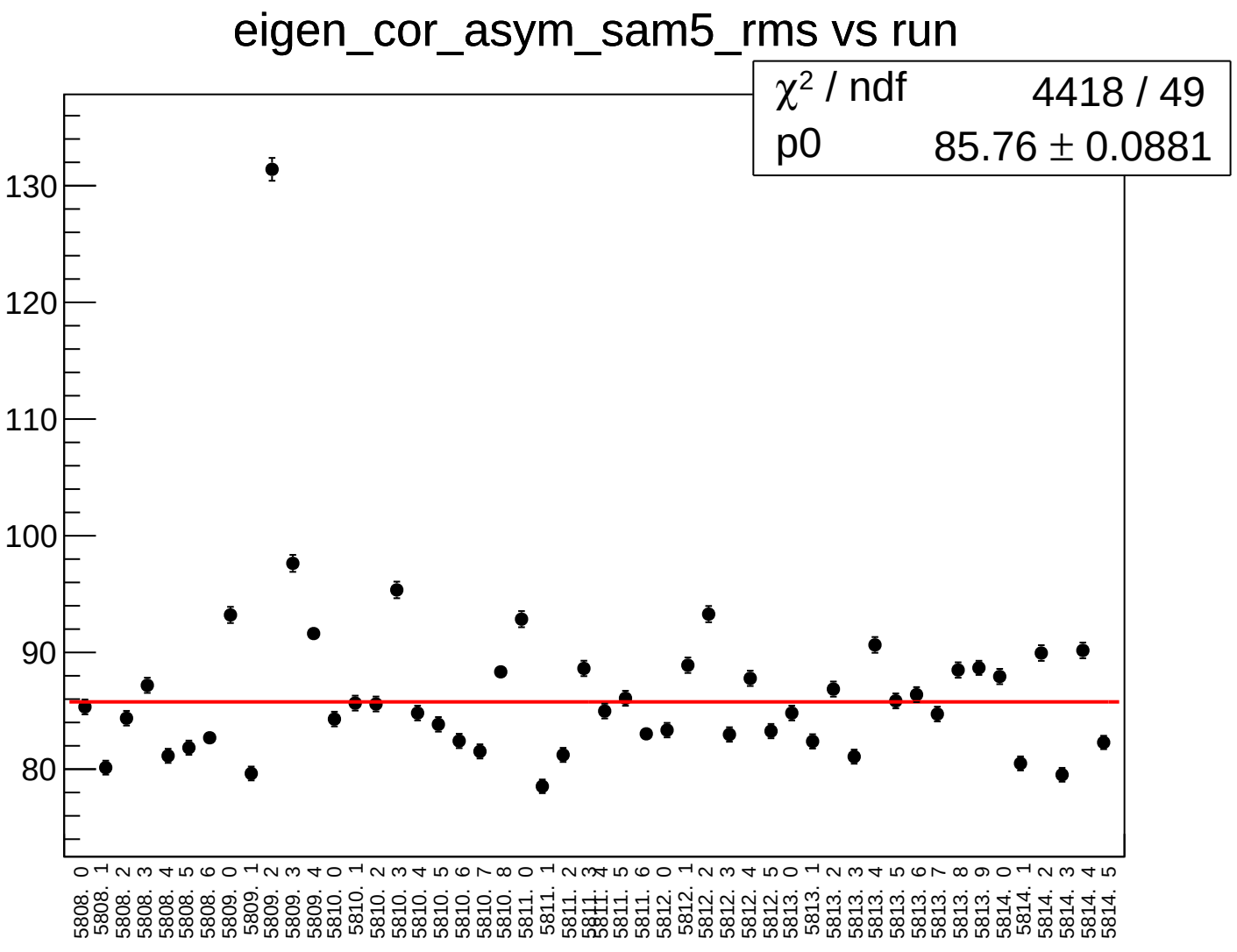
5814. 4
5814. 5


eigen_cor_asym_sam5_mean vs run
χ² / ndf 84.14 / 49
p0 −216.9 ± 124.6
3000
2000
1000
0
−1000
−2000
−3000
−4000
pull
Entries 50
Mean 153.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.02941
Std Dev 1.297
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam5_rms vs run
χ² / ndf 4418 / 49
p0 85.76 ± 0.0881
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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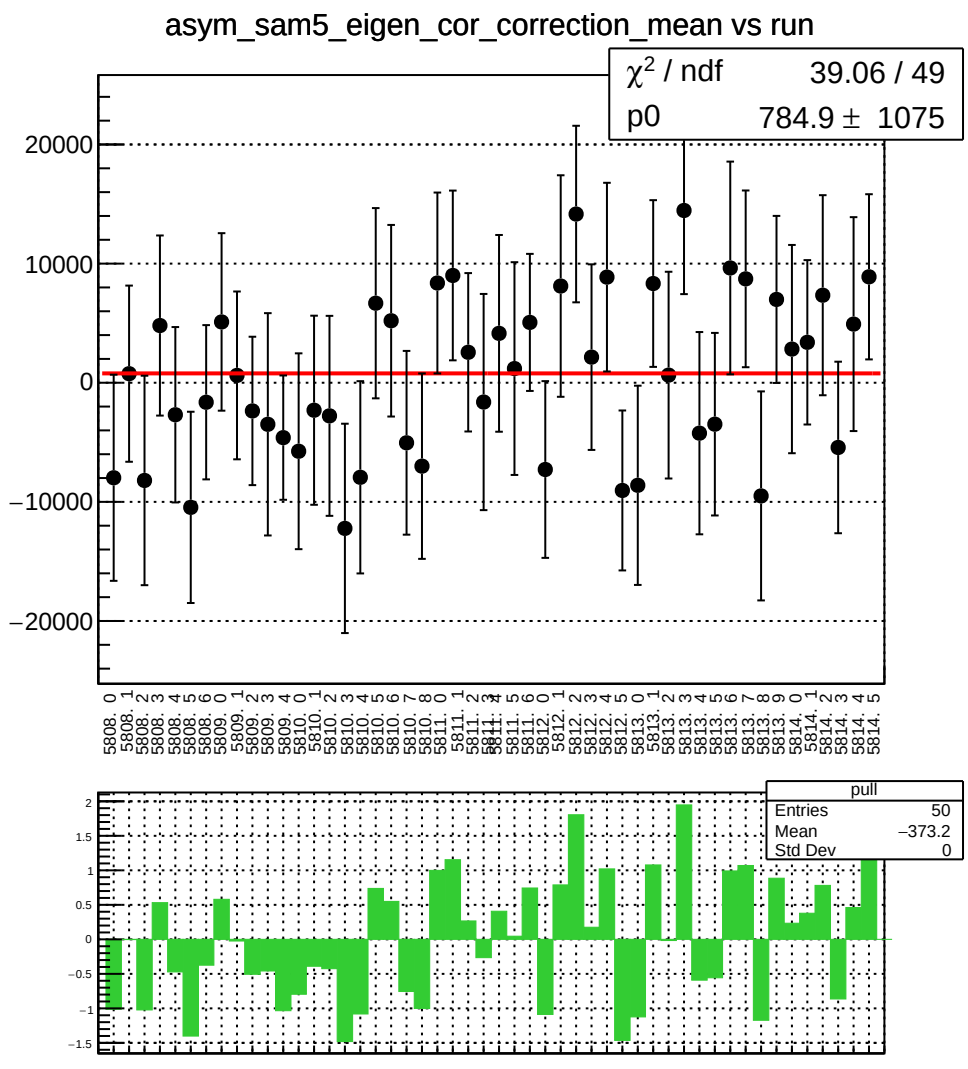
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 39.06 / 49
p0 784.9 ± 1075
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −373.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.0115
Std Dev 0.8838
9
8
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6
5
4
3
2
1
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−4
−2
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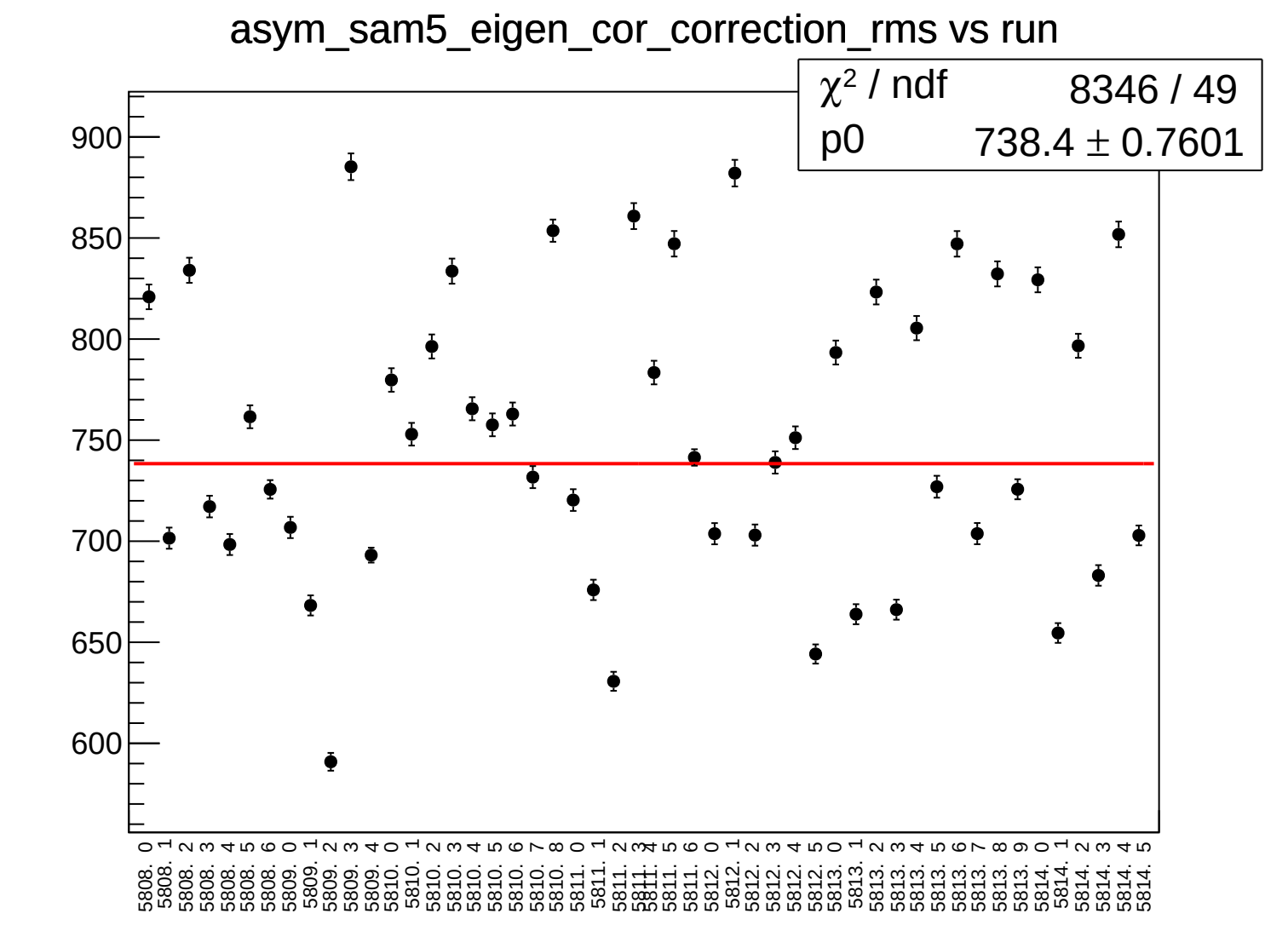
2
4
6
8


asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 8346 / 49
p0 738.4 ± 0.7601
900
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
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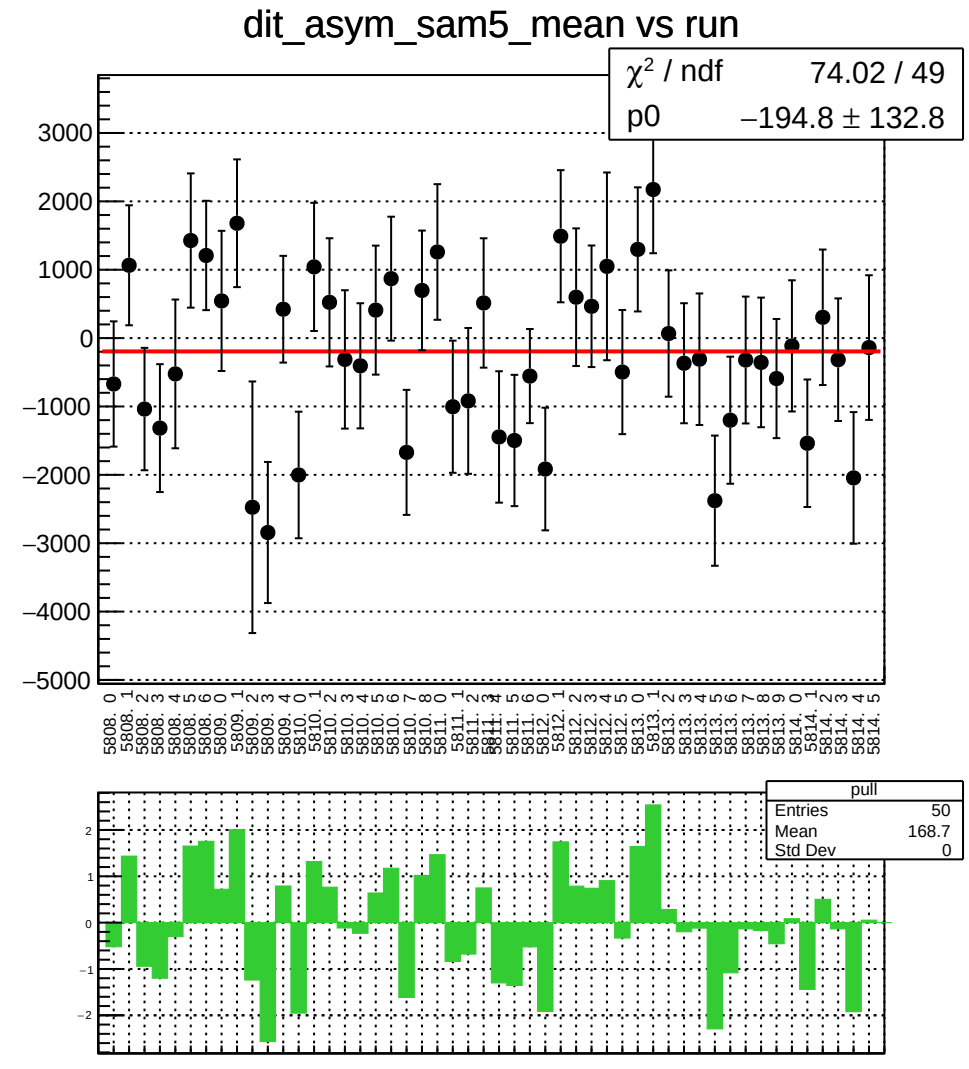
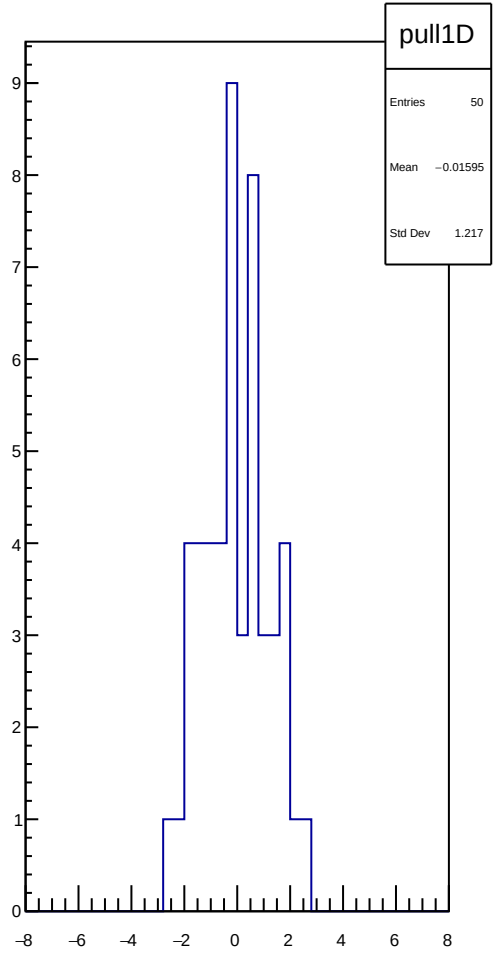
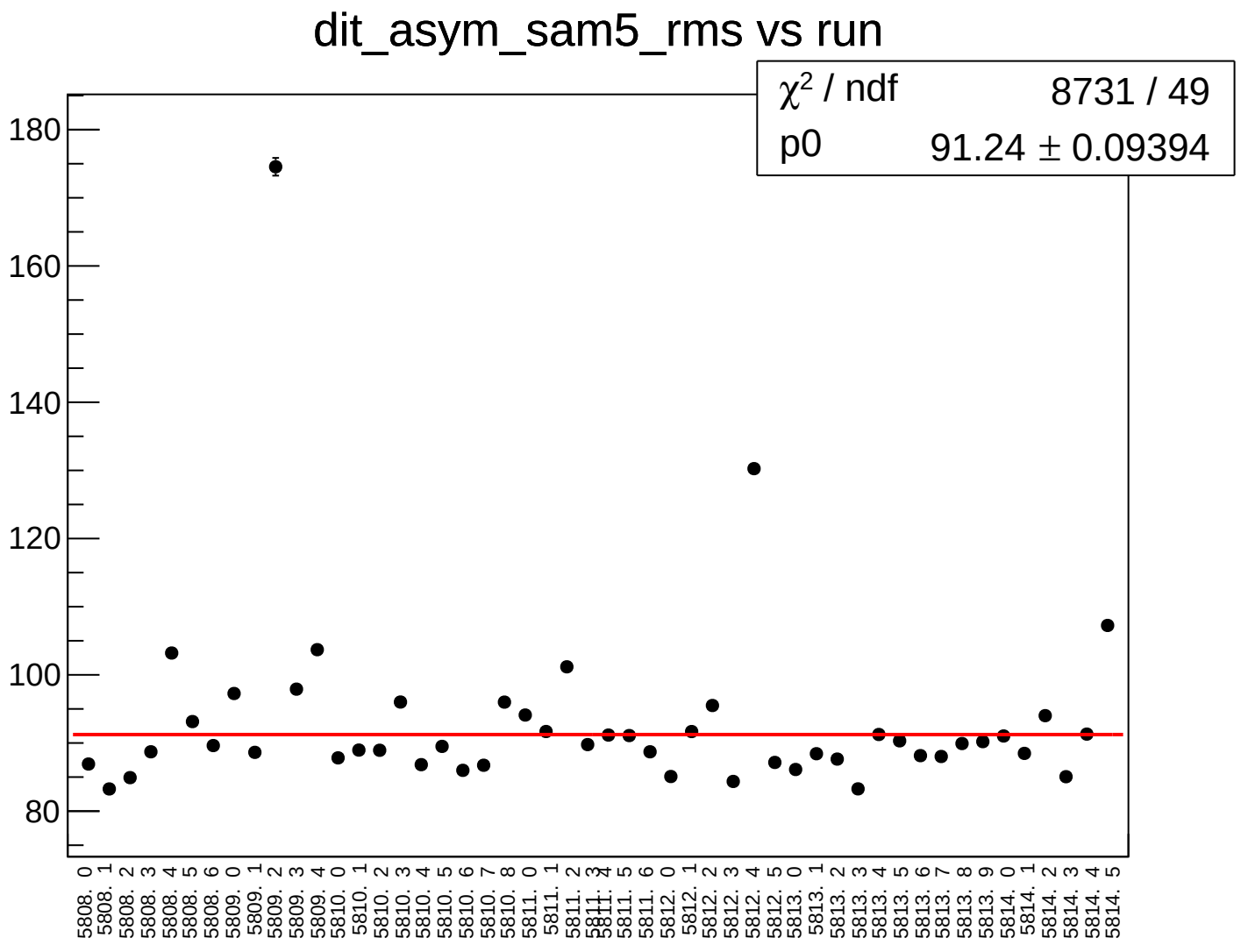
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam5_mean vs run
χ² / ndf 74.02 / 49
p0 −194.8 ± 132.8
pull
Entries 50
Mean 168.7
Std Dev 0


pull1D
Entries 50
Mean −0.01595
Std Dev 1.217


dit_asym_sam5_rms vs run
χ² / ndf 8731 / 49
p0 91.24 ± 0.09394
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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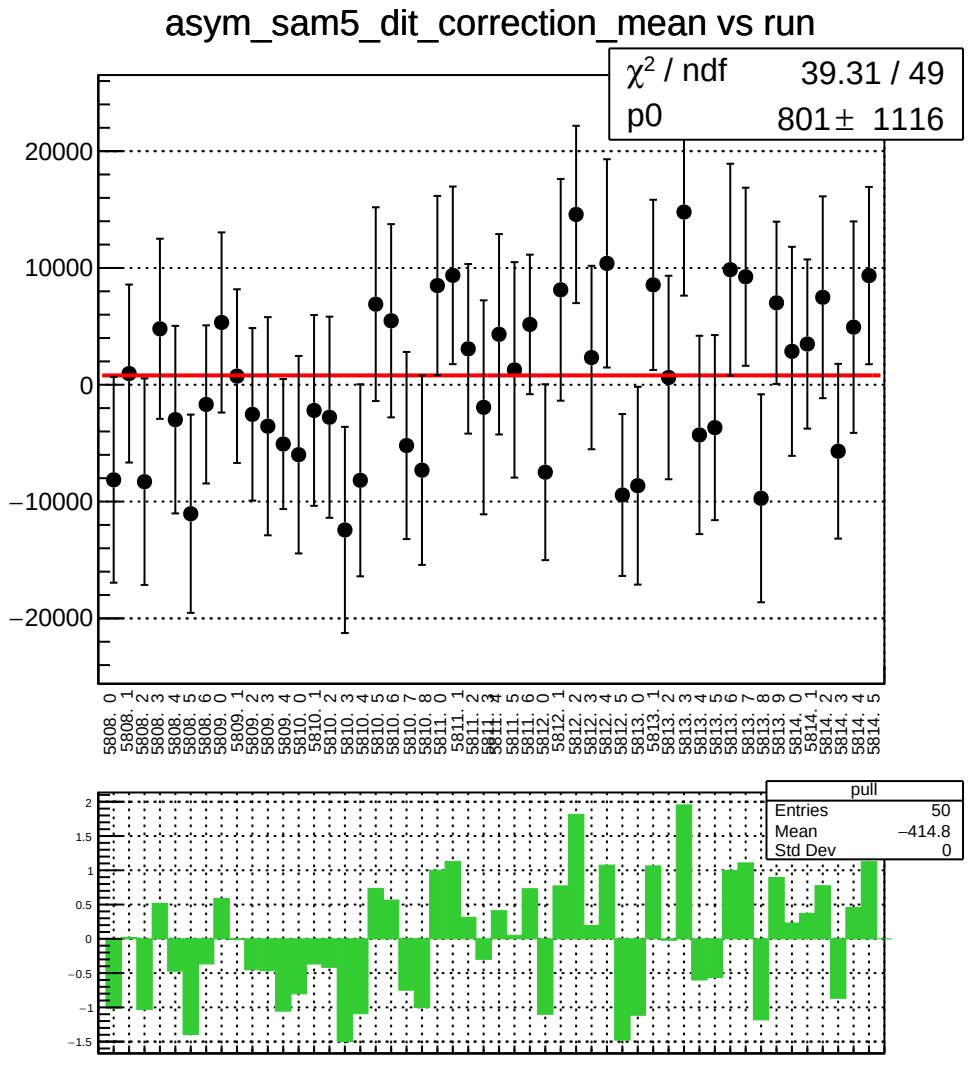
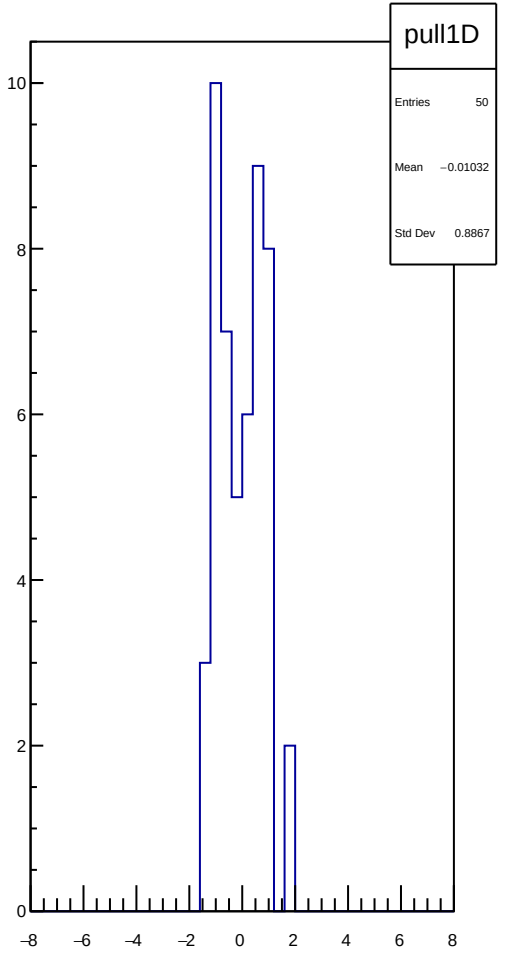
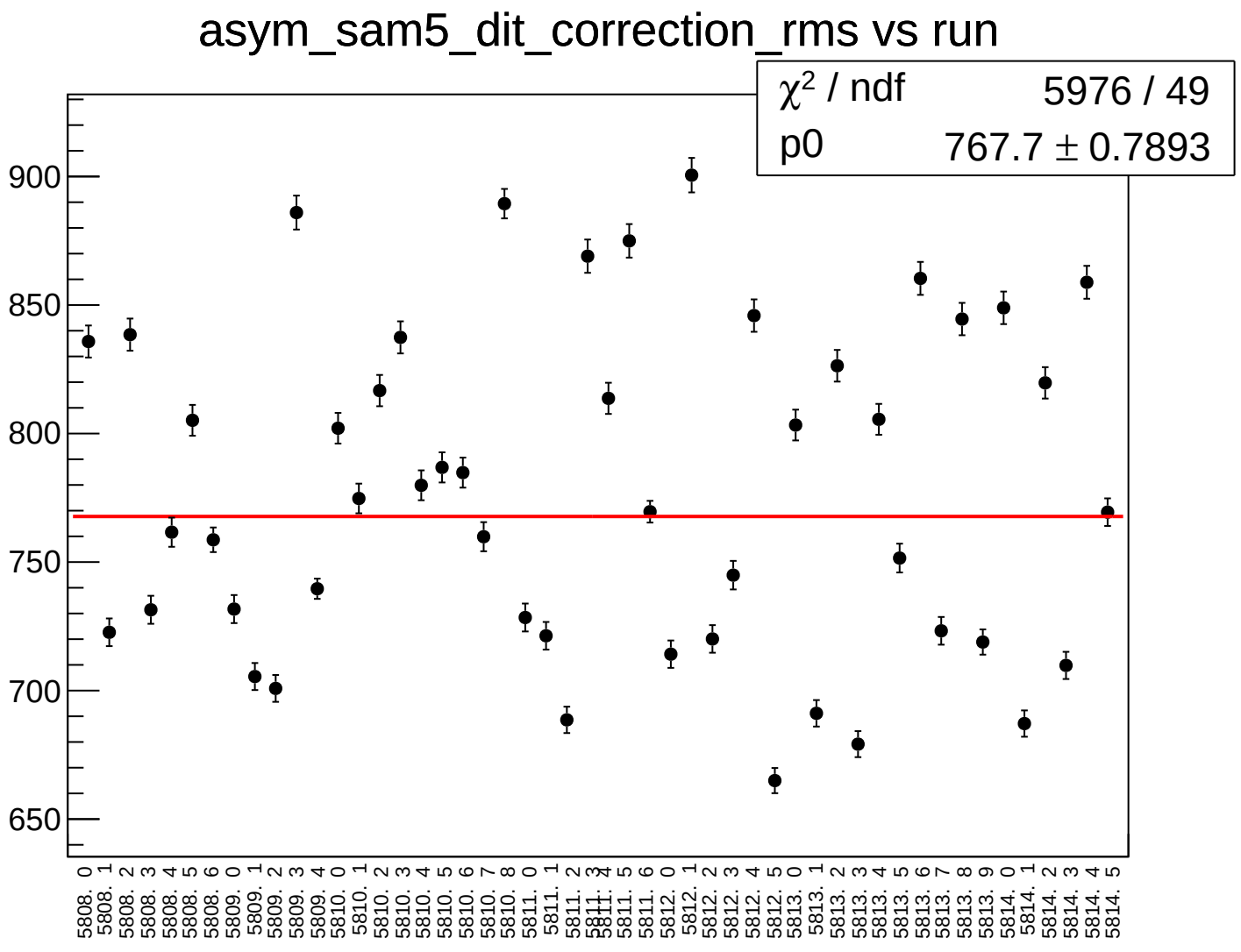
5814. 4
5814. 5


asym_sam5_dit_correction_mean vs run
χ² / ndf 39.31 / 49
p0 801 ± 1116
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −414.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 50
Mean −0.01032
Std Dev 0.8867
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_dit_correction_rms vs run
χ² / ndf 5976 / 49
p0 767.7 ± 0.7893
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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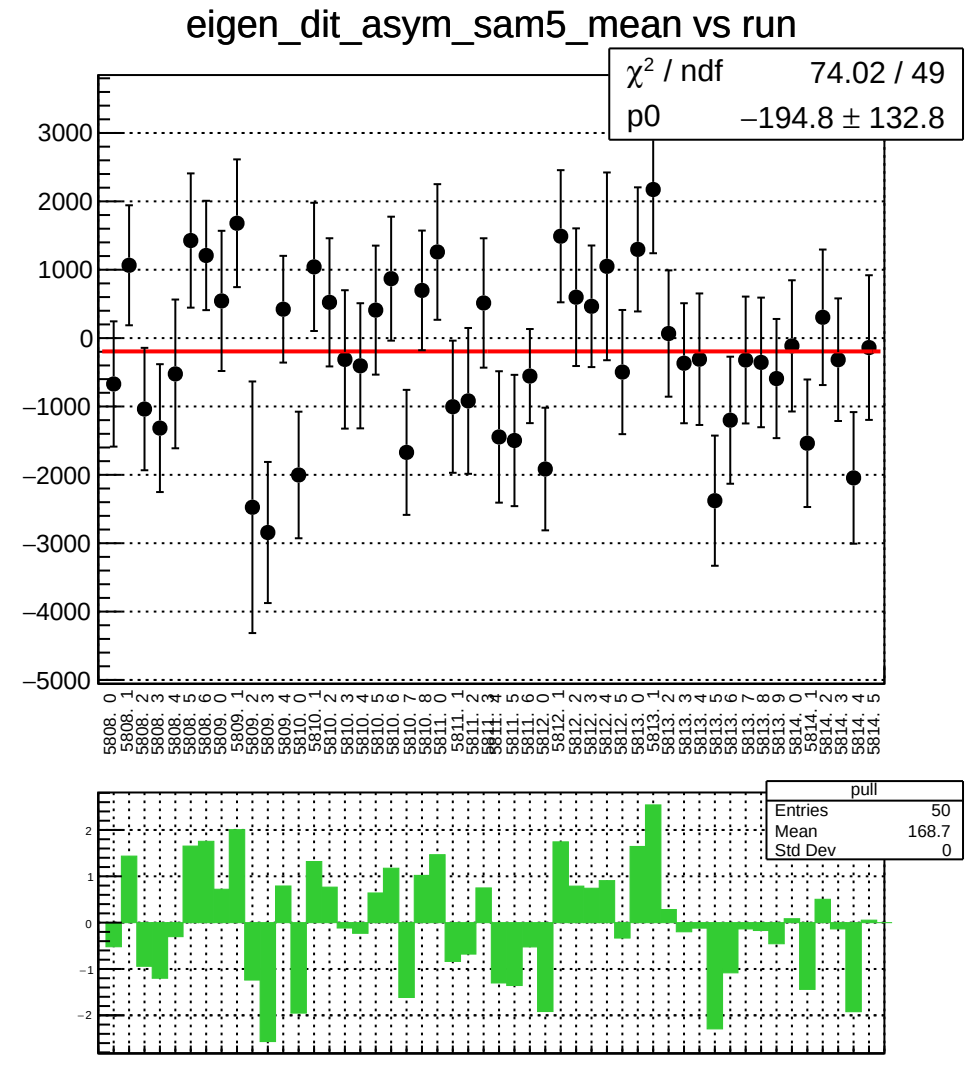
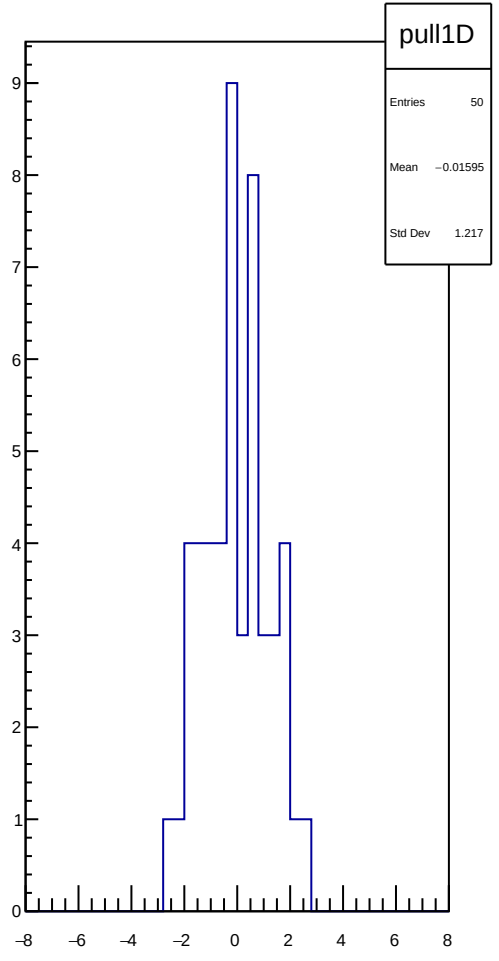
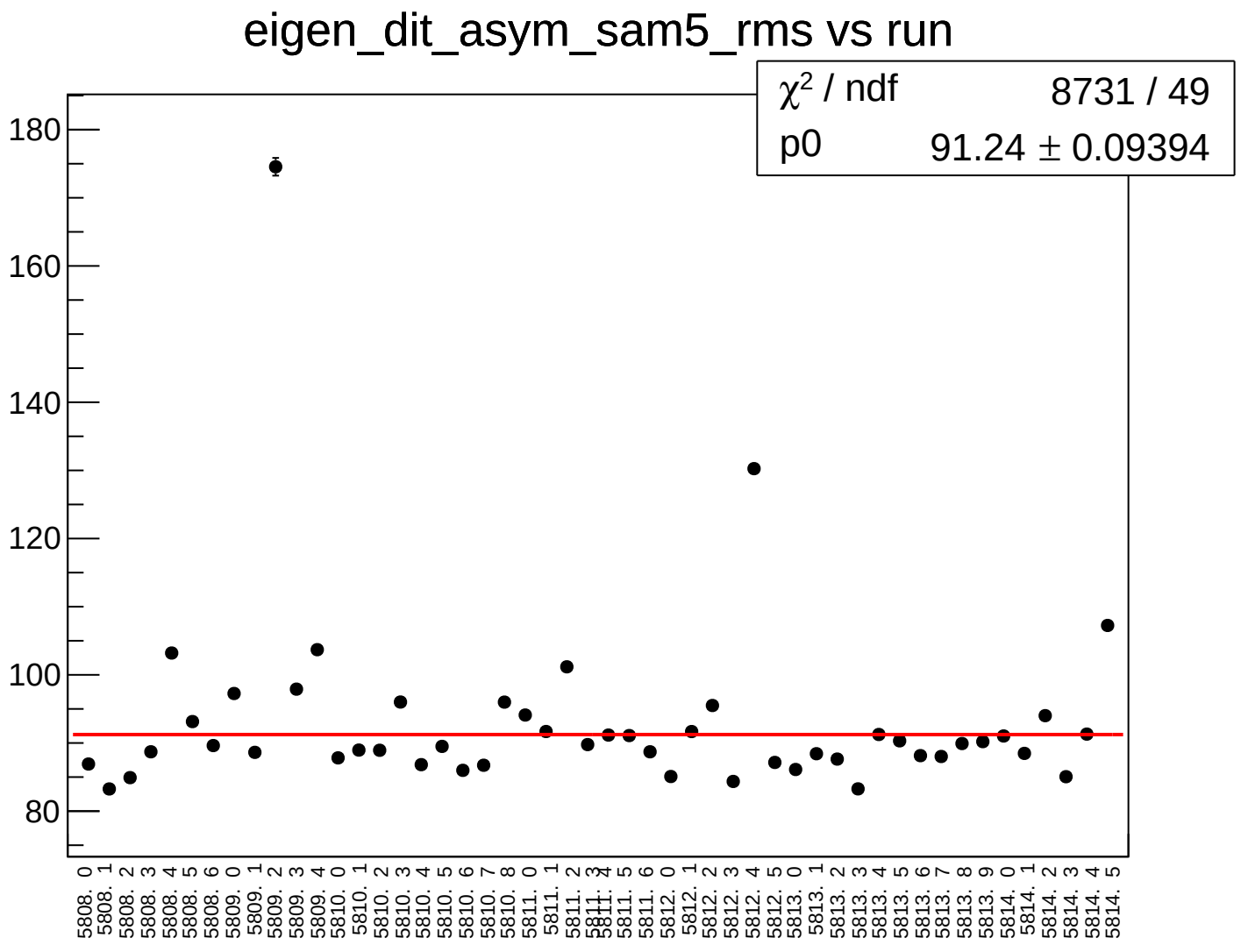
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam5_mean vs run
χ² / ndf 74.02 / 49
p0 −194.8 ± 132.8
pull
Entries 50
Mean 168.7
Std Dev 0


pull1D
Entries 50
Mean −0.01595
Std Dev 1.217


eigen_dit_asym_sam5_rms vs run
χ² / ndf 8731 / 49
p0 91.24 ± 0.09394
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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5814. 2
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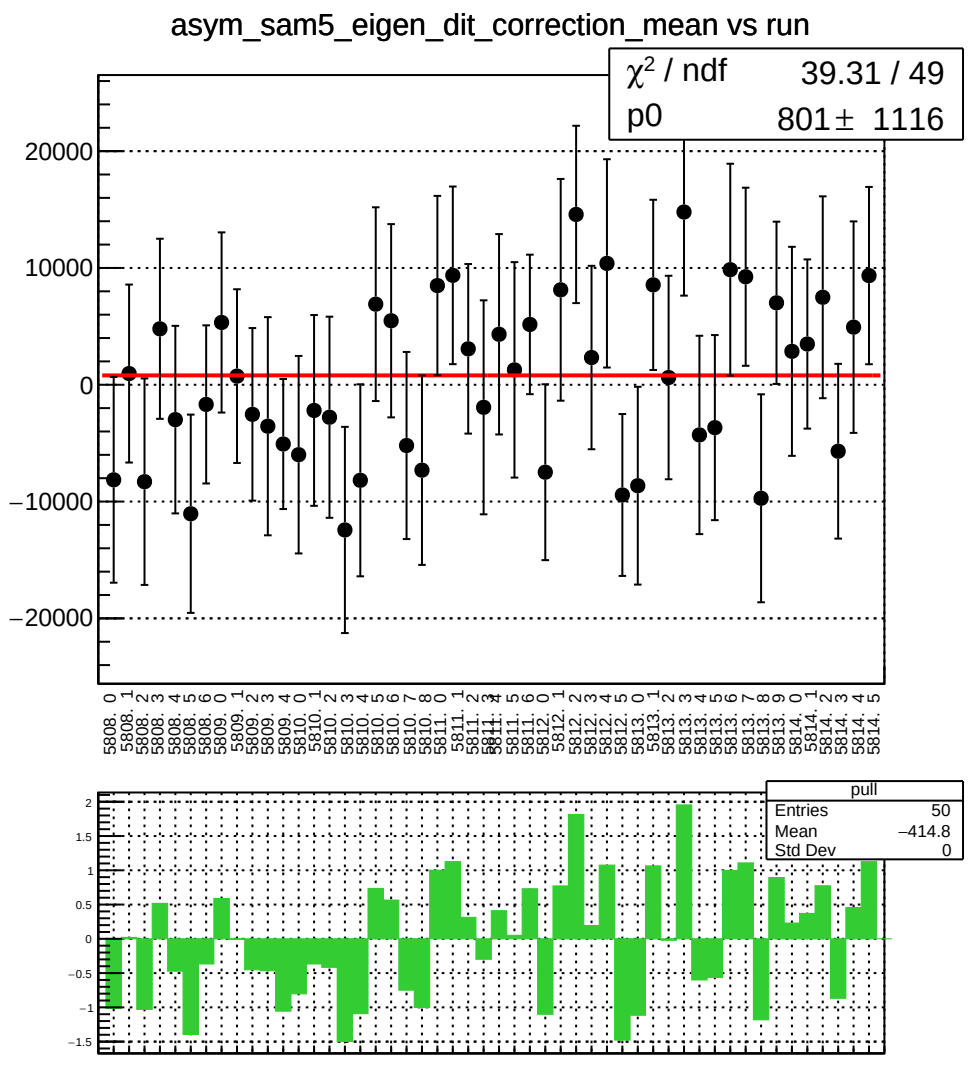
5814. 4
5814. 5


asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 39.31 / 49
p0 801 ± 1116
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −414.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01032
Std Dev 0.8866
10
8
6
4
2
0
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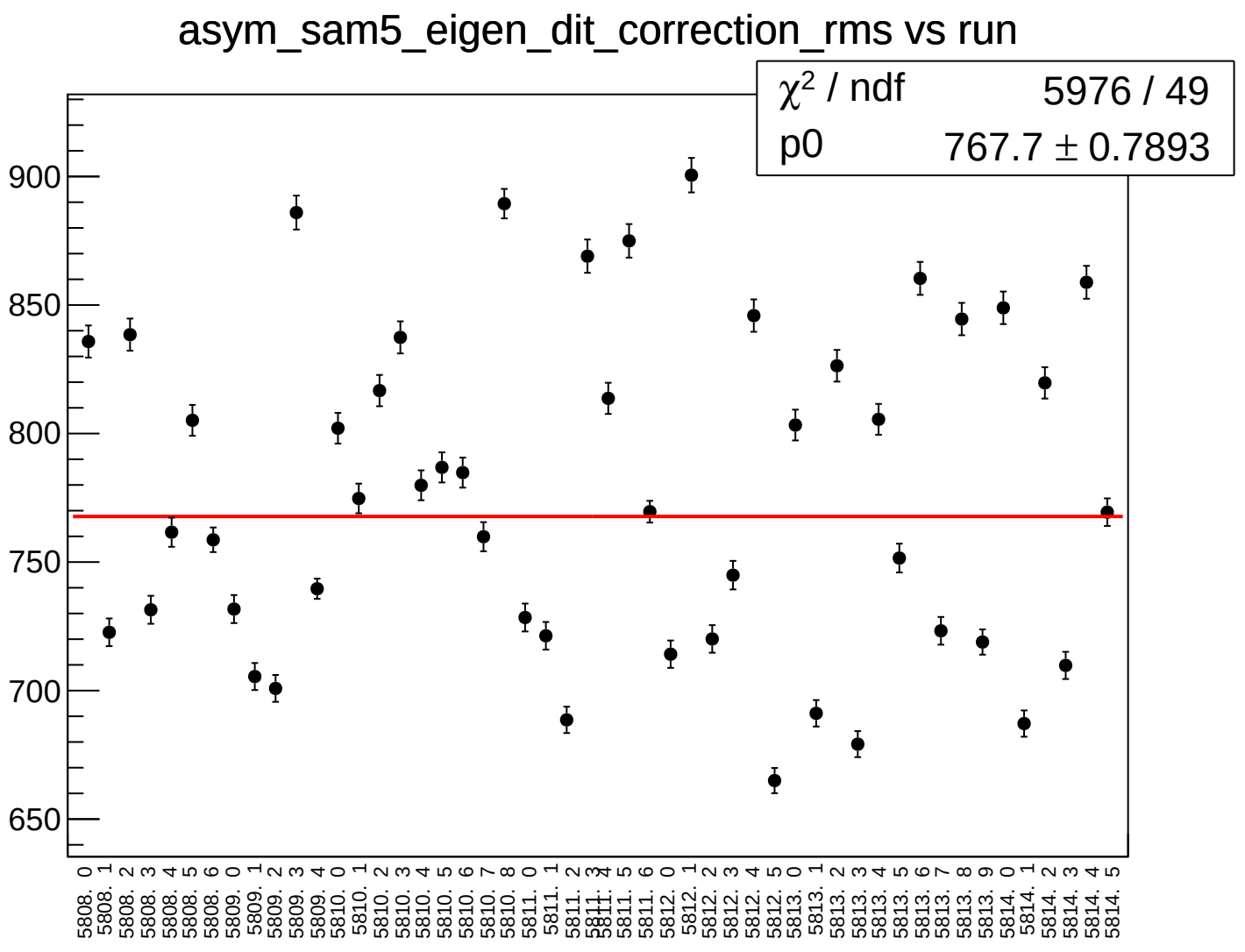
−6
−4
−2
0
2
4
6
8


asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 5976 / 49
p0 767.7 ± 0.7893
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
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5812. 2
5812. 3
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5812. 5
5813. 0
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5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
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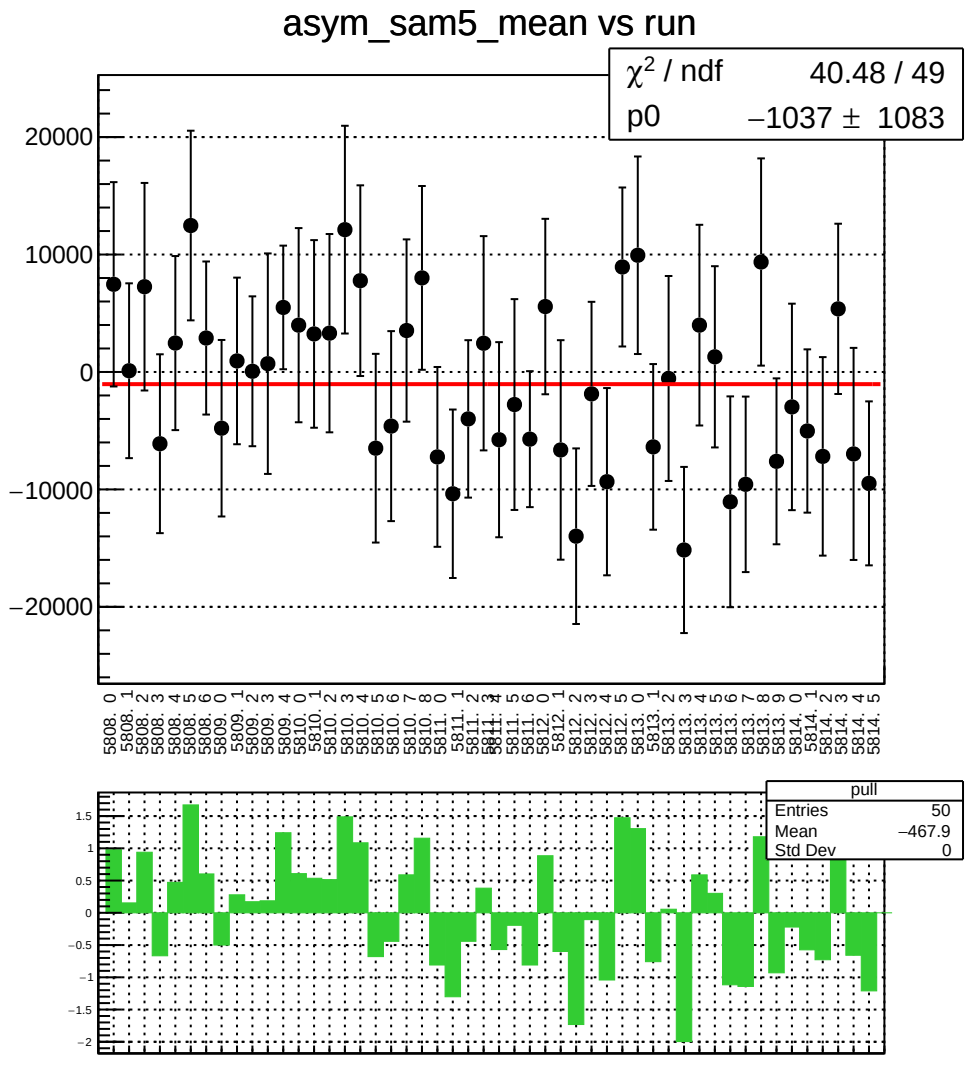
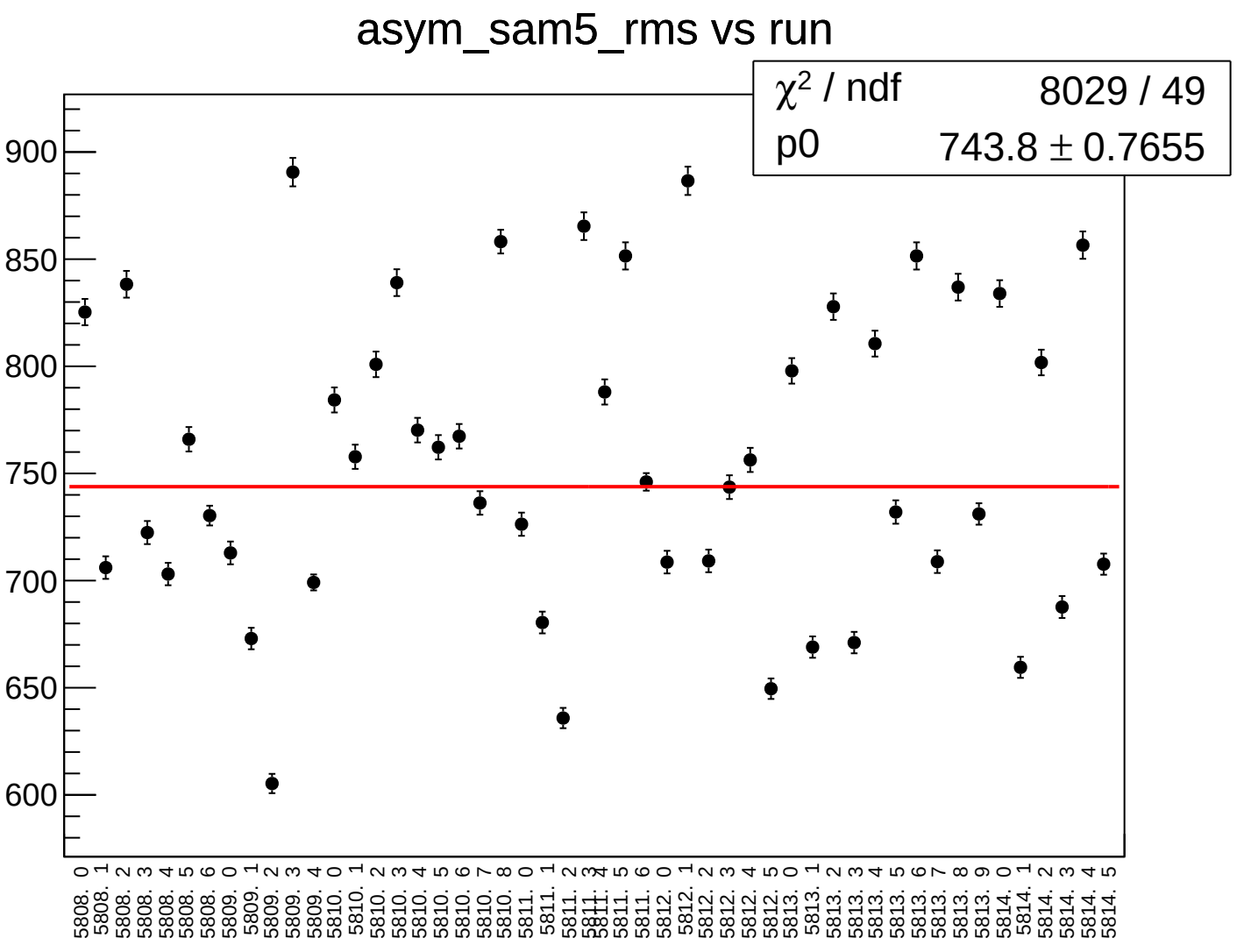
5814. 5


asym_sam5_mean vs run
χ² / ndf 40.48 / 49
p0 −1037 ± 1083
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −467.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.01003
Std Dev 0.8997
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_rms vs run
χ² / ndf 8029 / 49
p0 743.8 ± 0.7655
900
850
800
750
700
650
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 5
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5812. 5
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5813. 1
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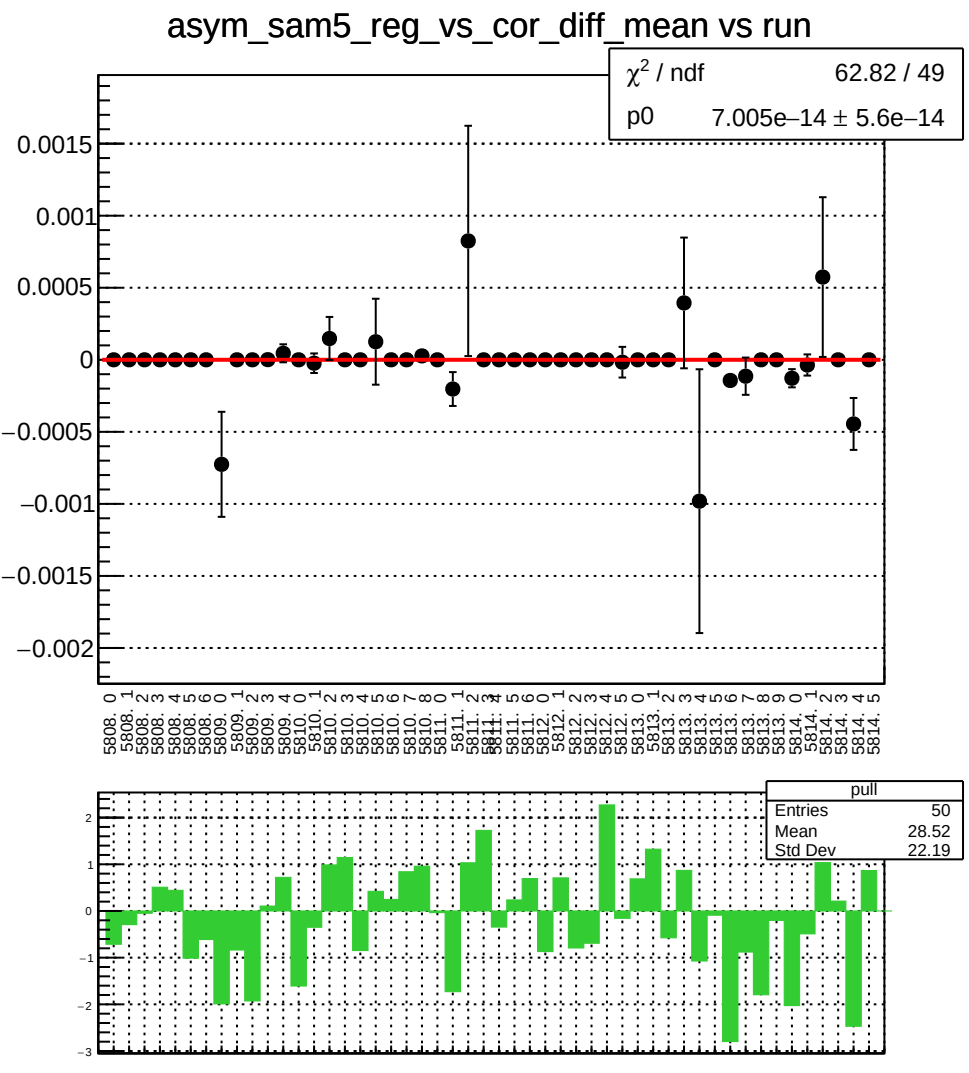
5814. 5


asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 62.82 / 49
p0 7.005e−14 ± 5.6e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 4
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5813. 6
5813. 7
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5813. 9
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5814. 2
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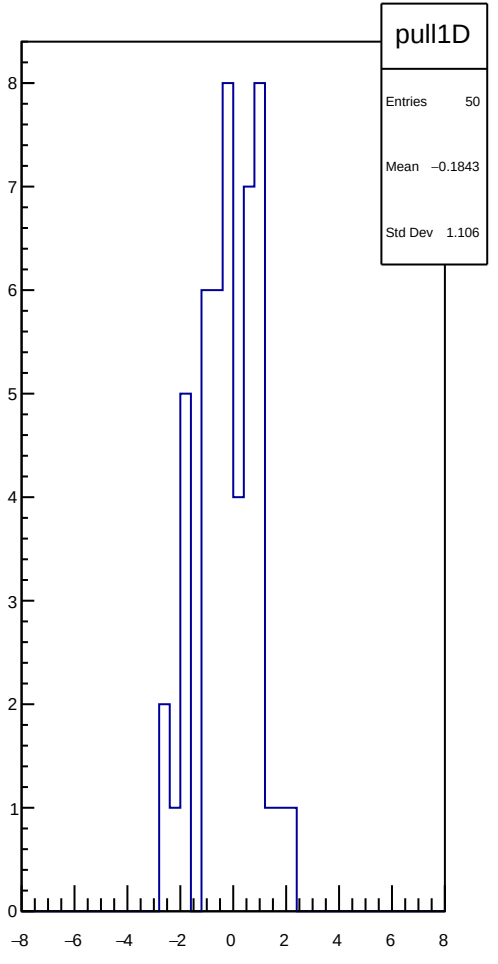
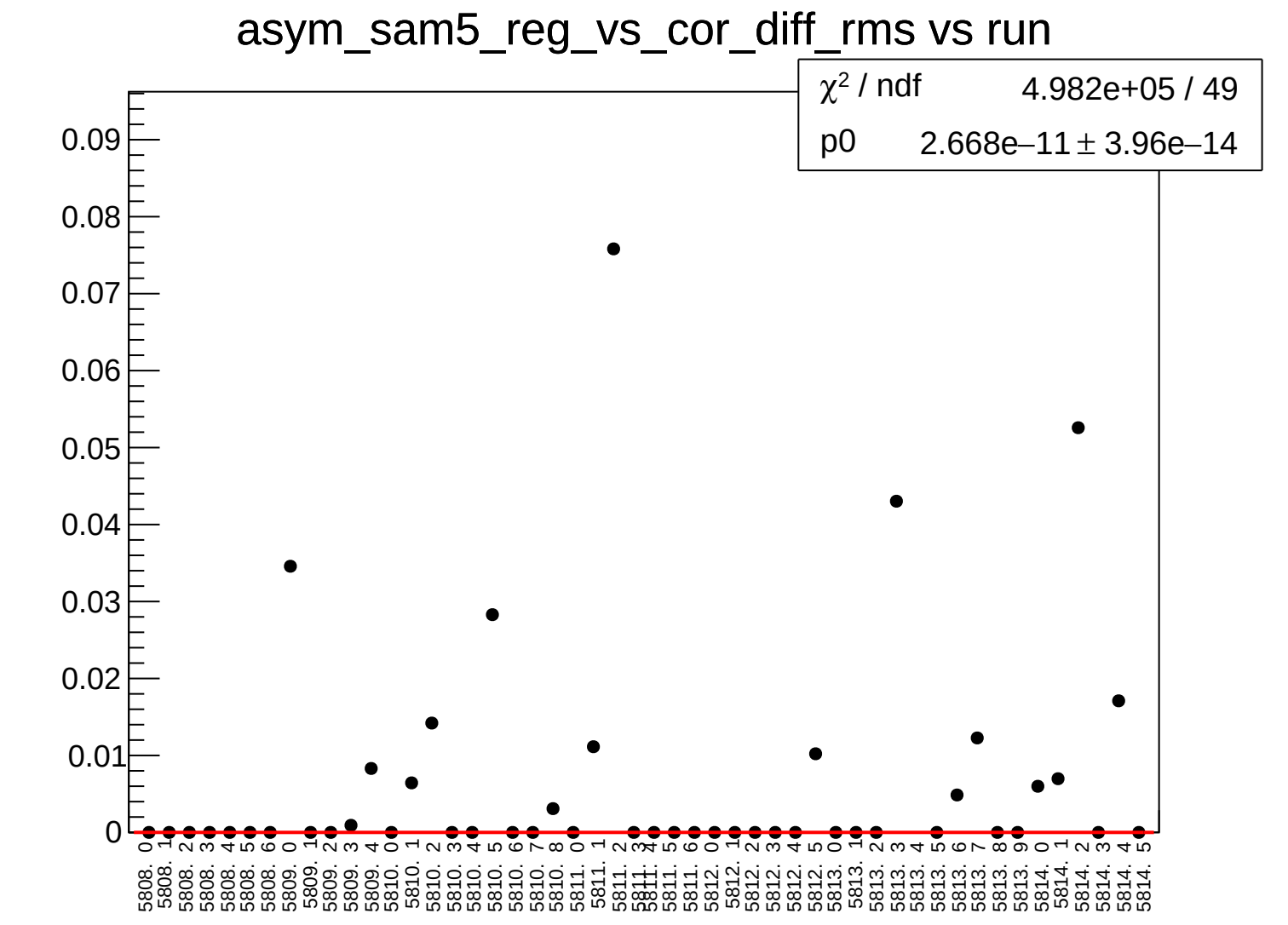
5814. 5
pull
Entries 50
Mean 28.52
Std Dev 22.19
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.1843
Std Dev 1.106
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 4.982e+05 / 49
p0 2.668e−11 ± 3.96e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5813. 7
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5813. 9
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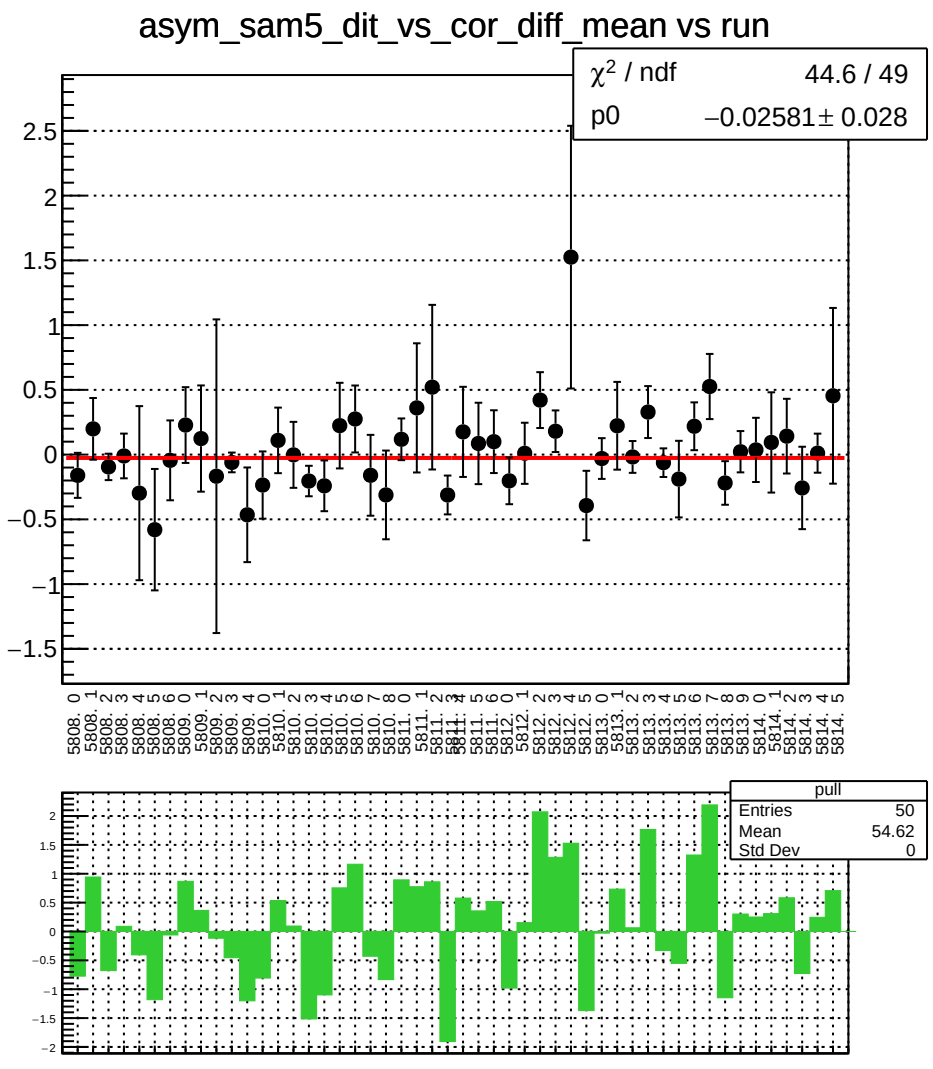
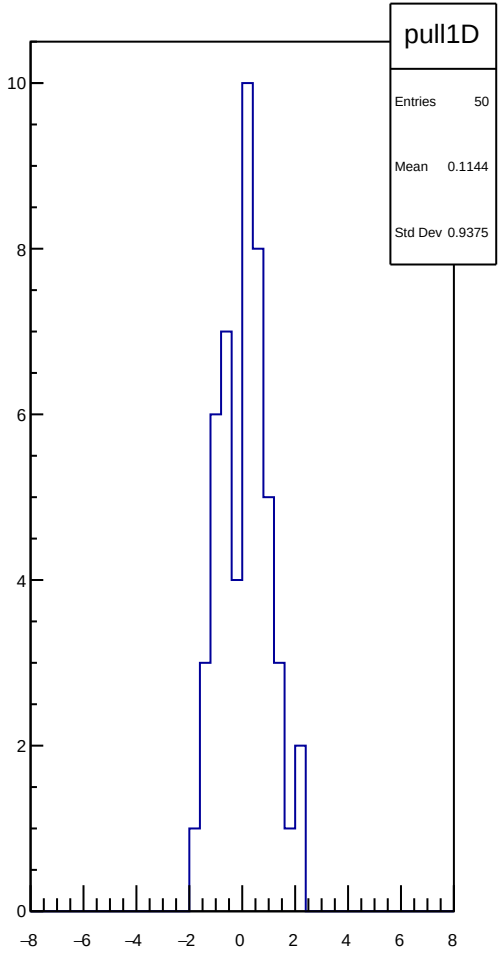
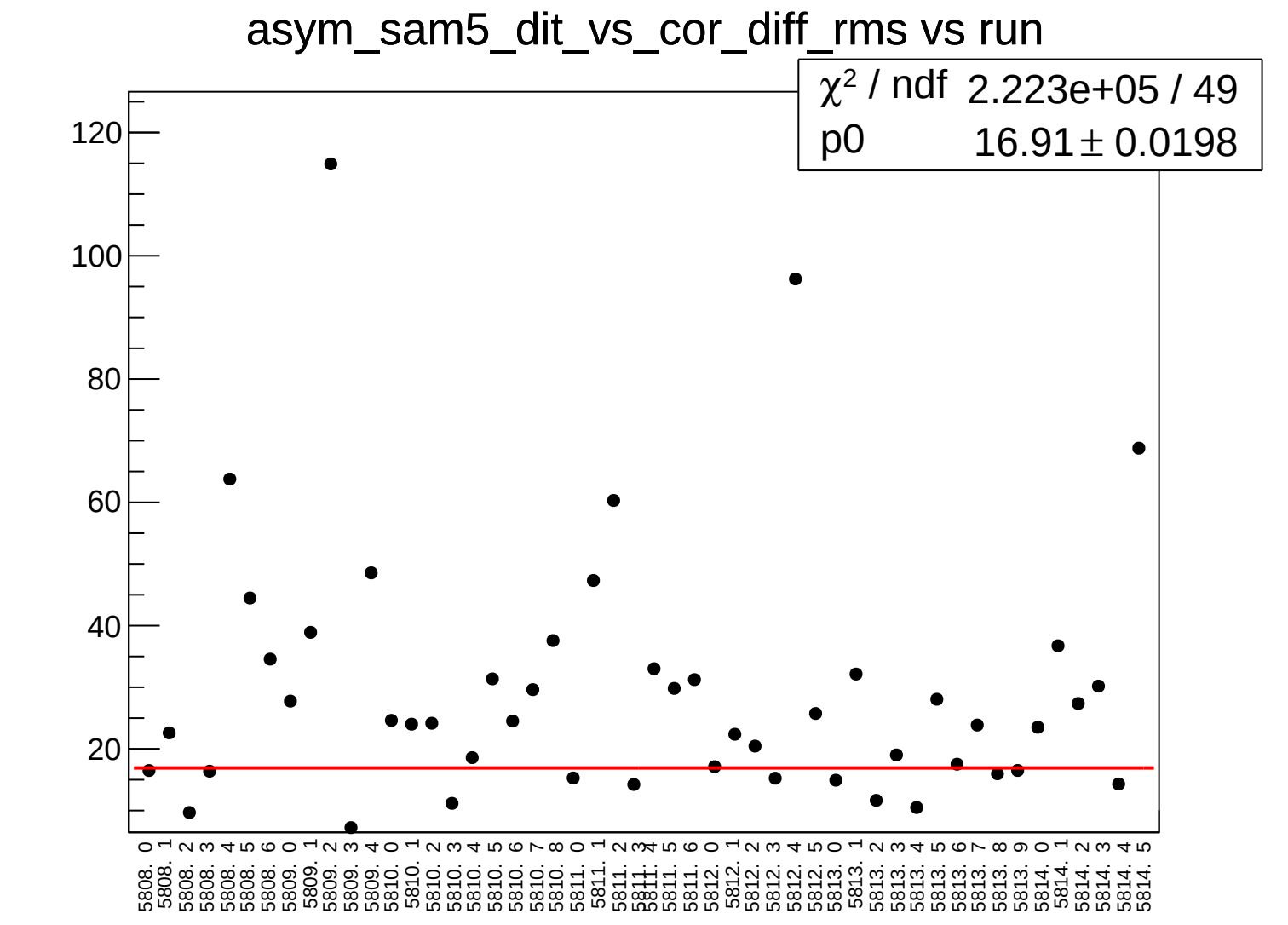
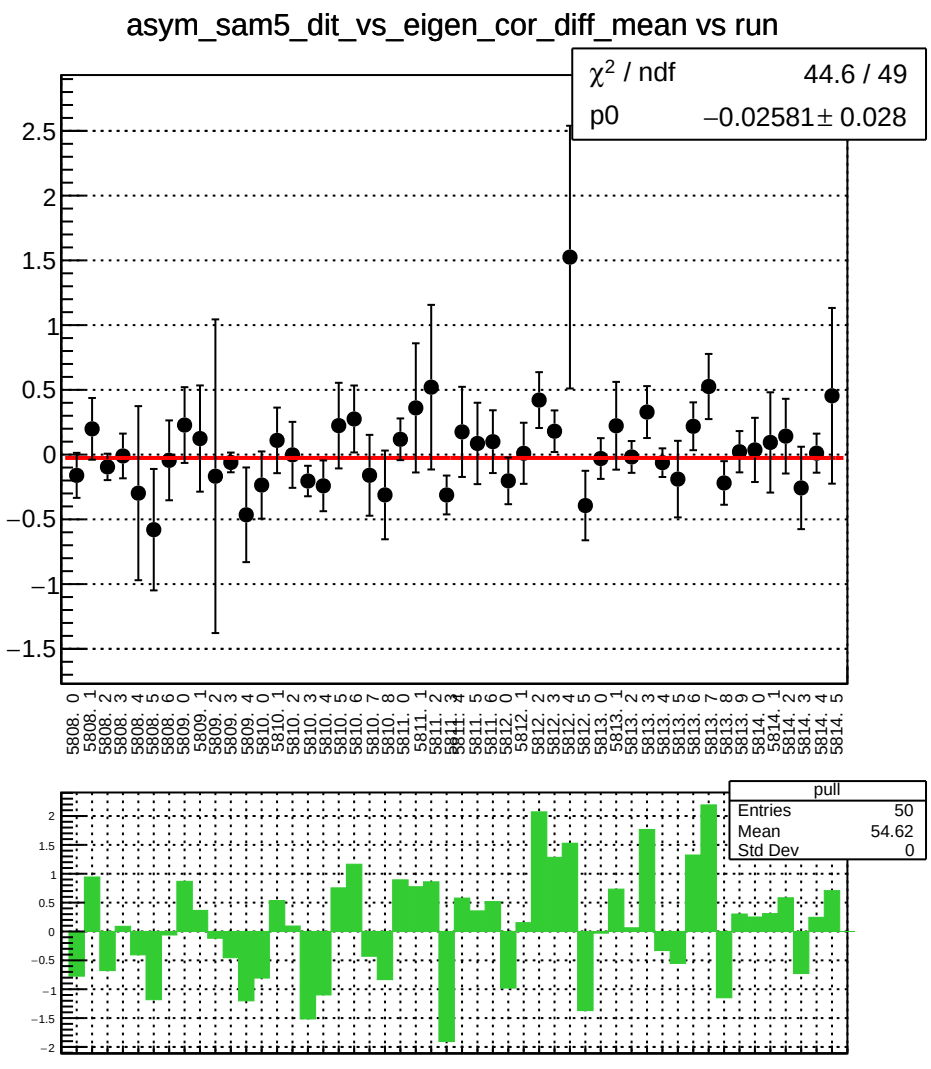
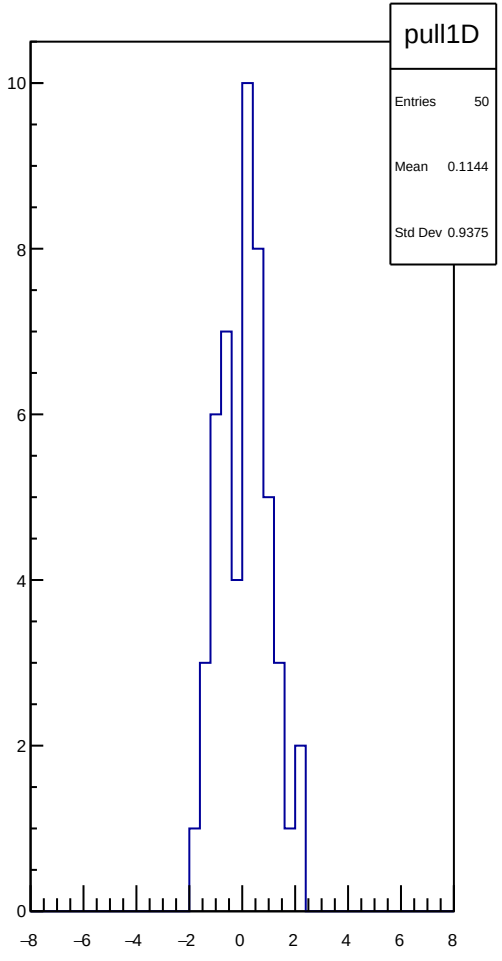
5814. 4
5814. 5

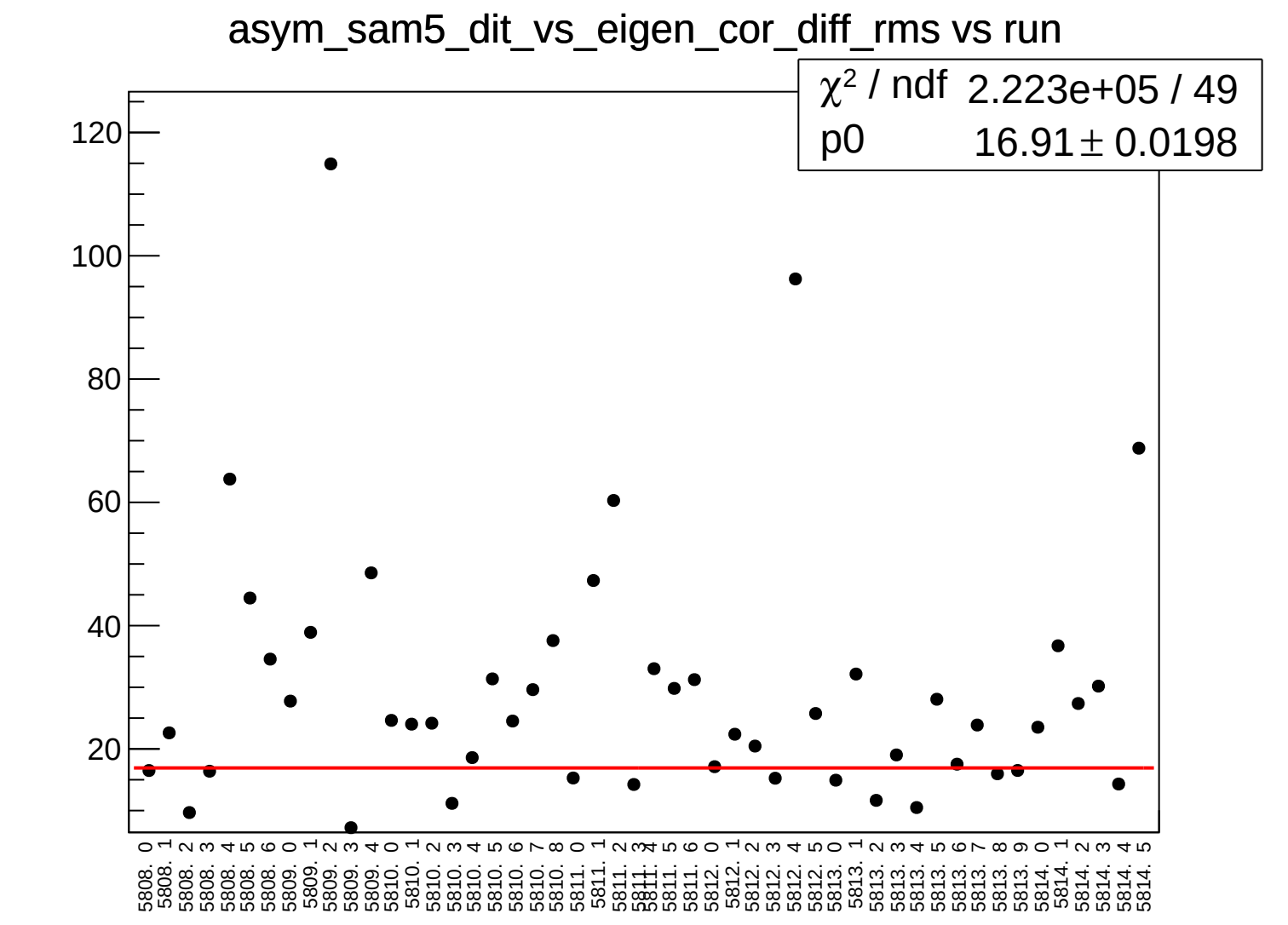

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 44.6 / 49
p0 −0.02581 ± 0.028
pull
Entries 50
Mean 54.62
Std Dev 0

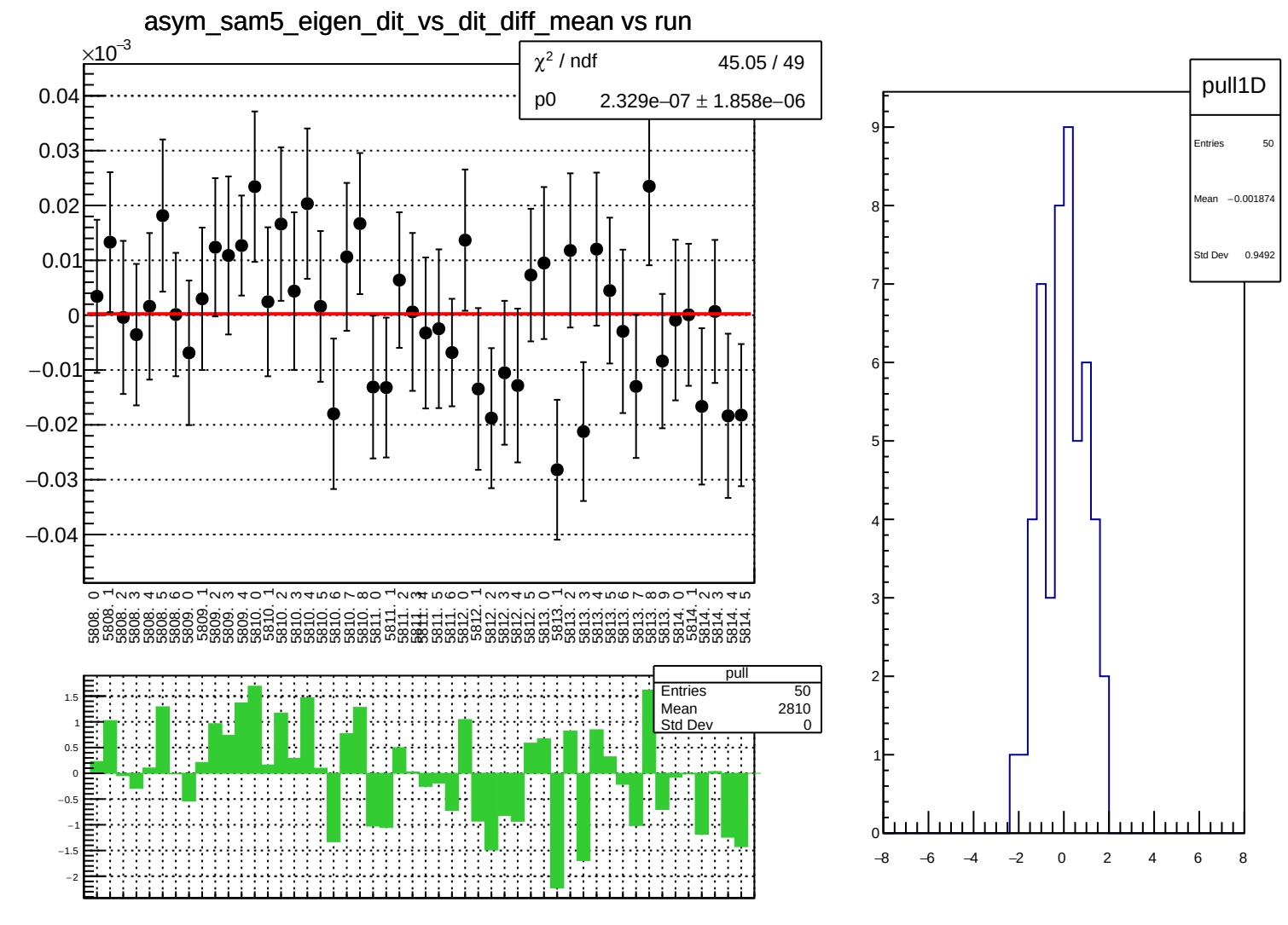

pull1D
Entries 50
Mean 0.1144
Std Dev 0.9375

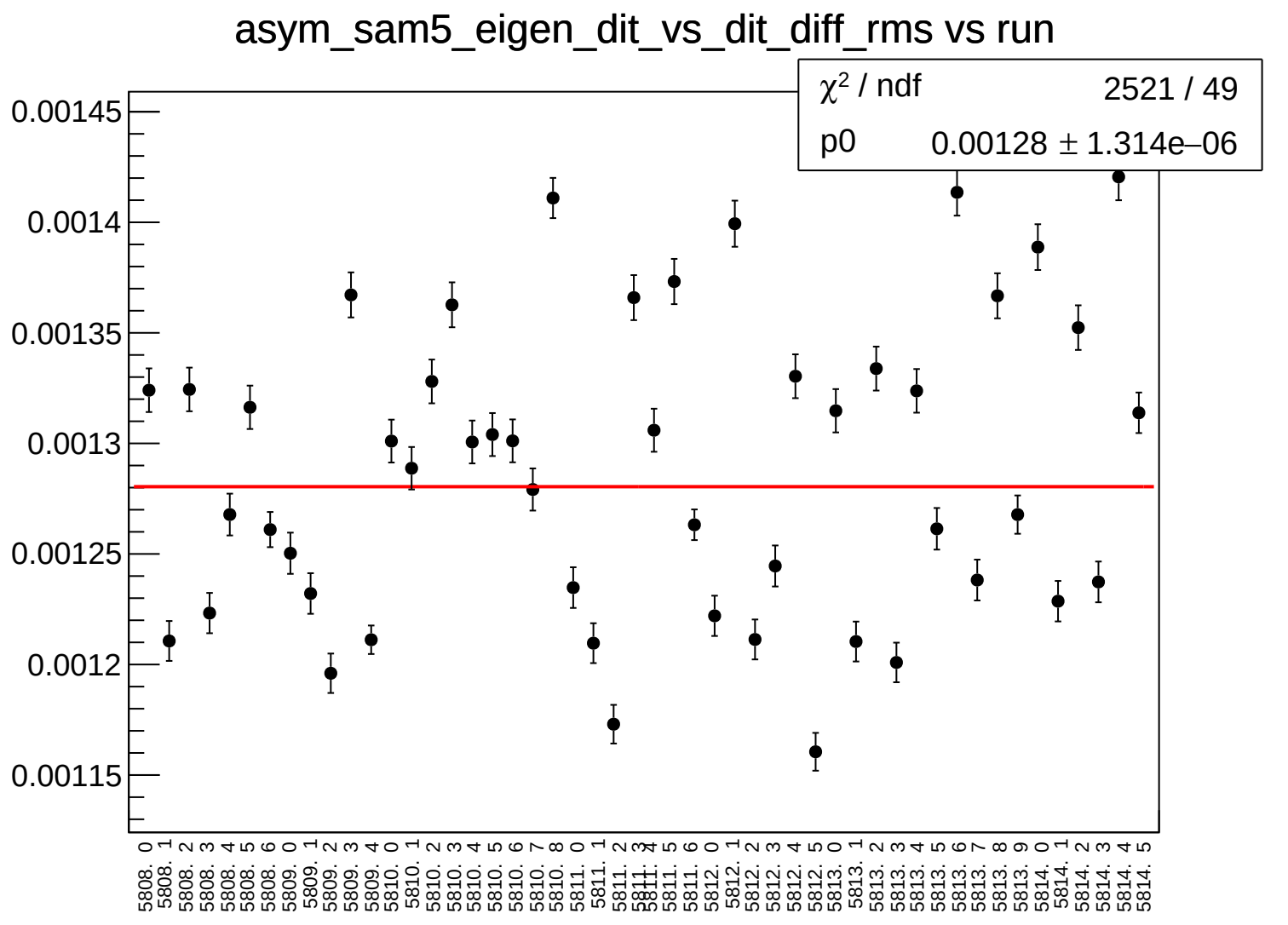

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 2.223e+05 / 49
p0 16.91 ± 0.0198
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

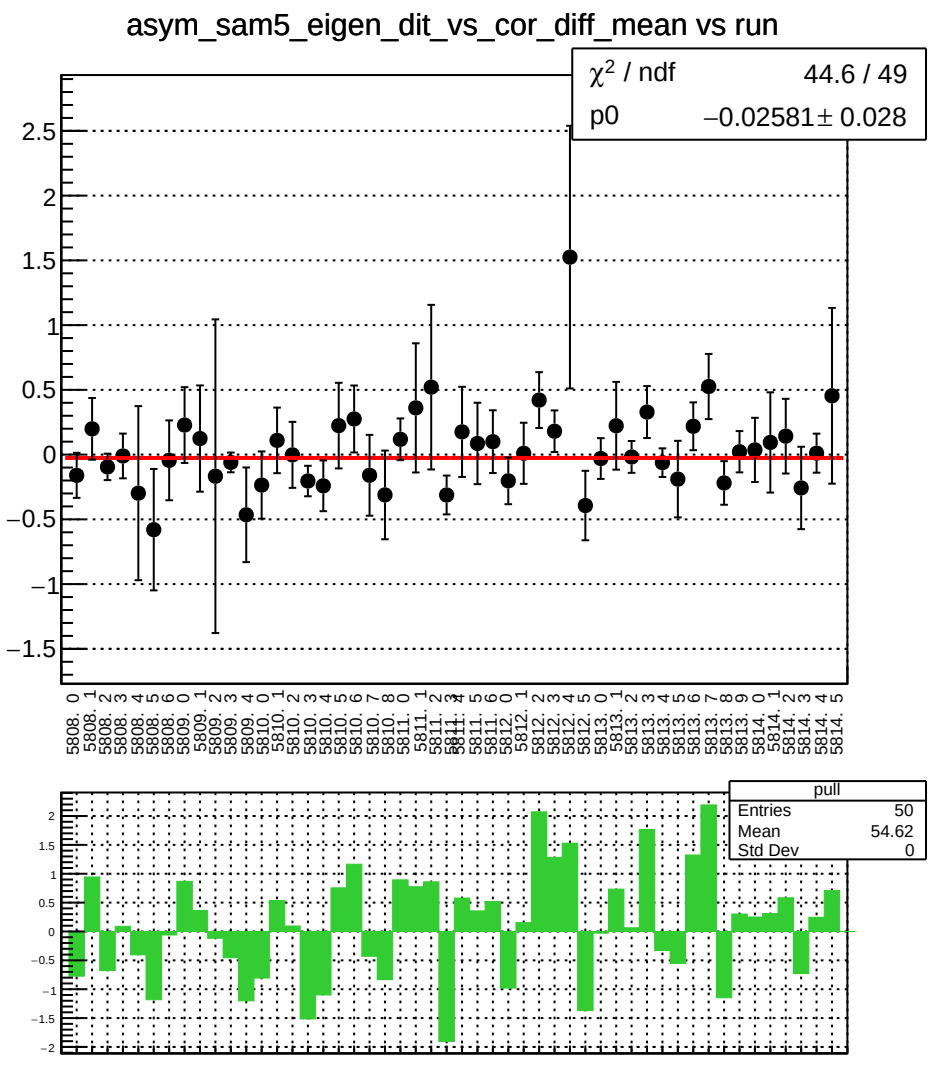

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.6 / 49
p0 −0.02581 ± 0.028
pull
Entries 50
Mean 54.62
Std Dev 0

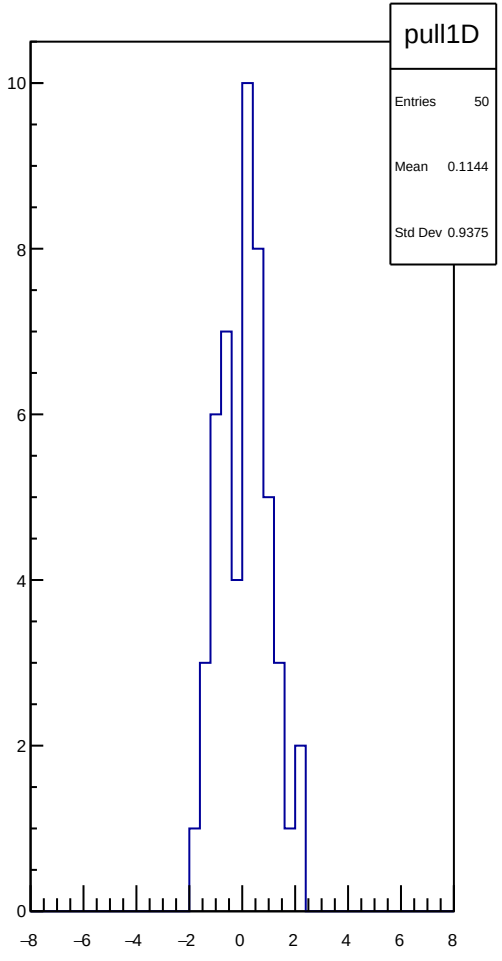

pull1D
Entries 50
Mean 0.1144
Std Dev 0.9375

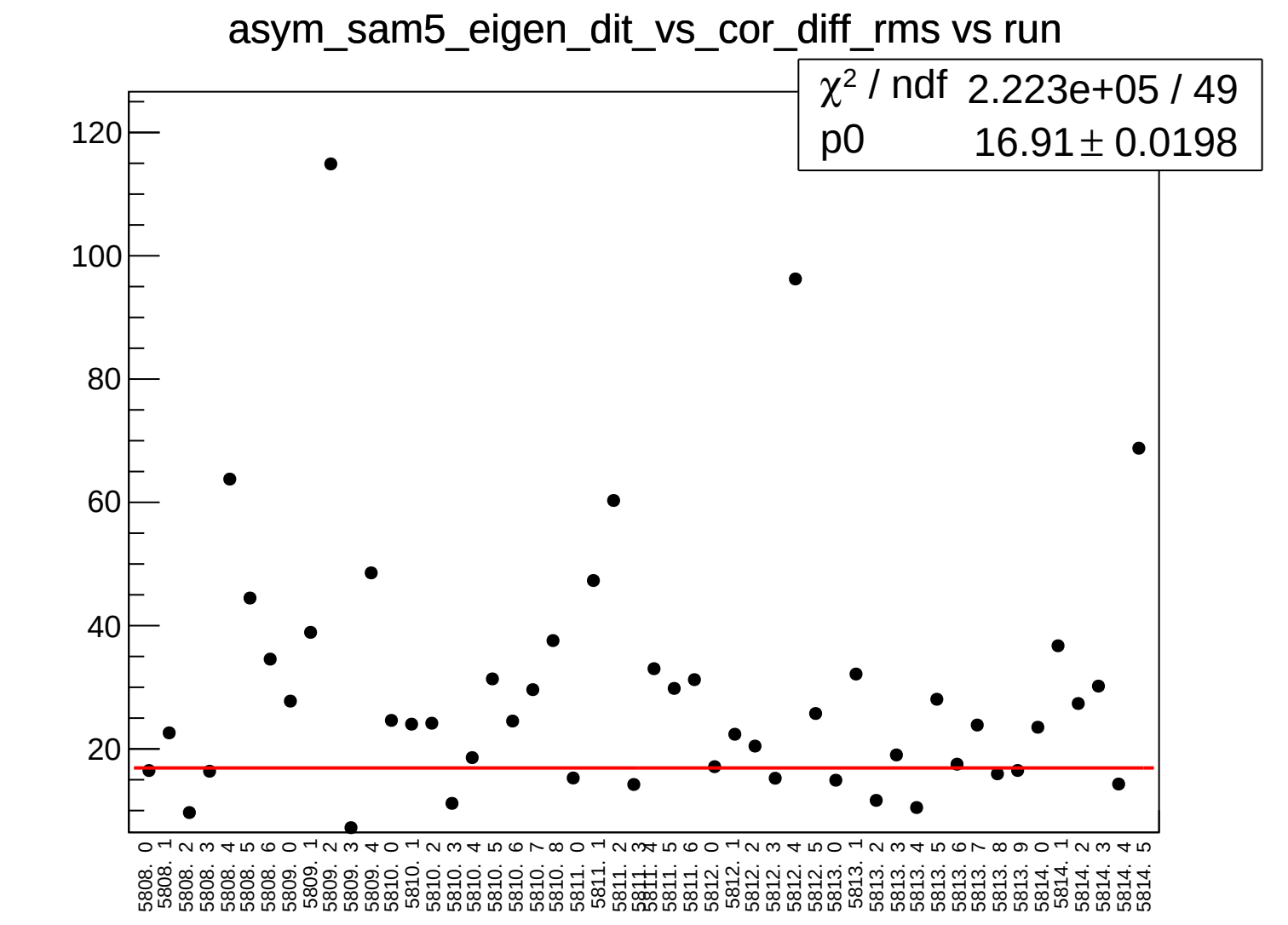

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.223e+05 / 49
p0 16.91 ± 0.0198
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

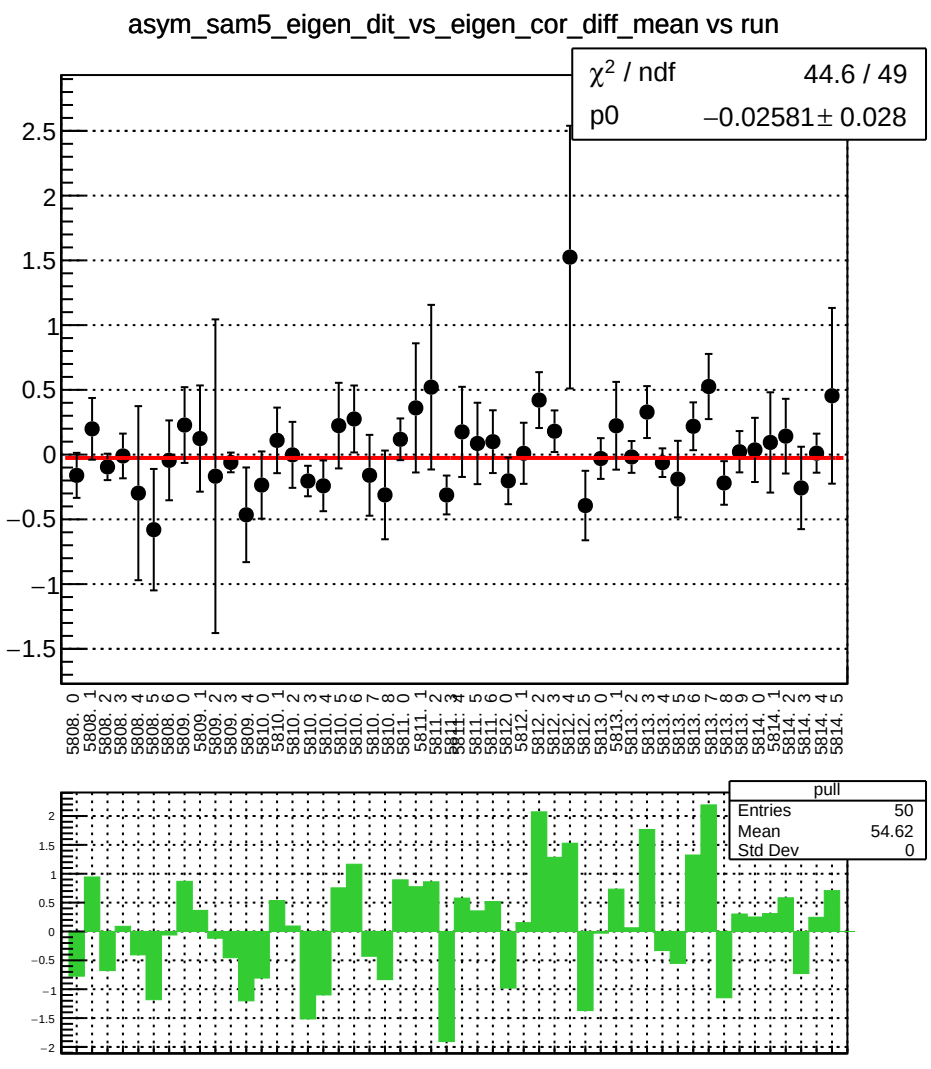

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.05 / 49
p0 2.329e−07 ± 1.858e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 2810
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.001874
Std Dev 0.9492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

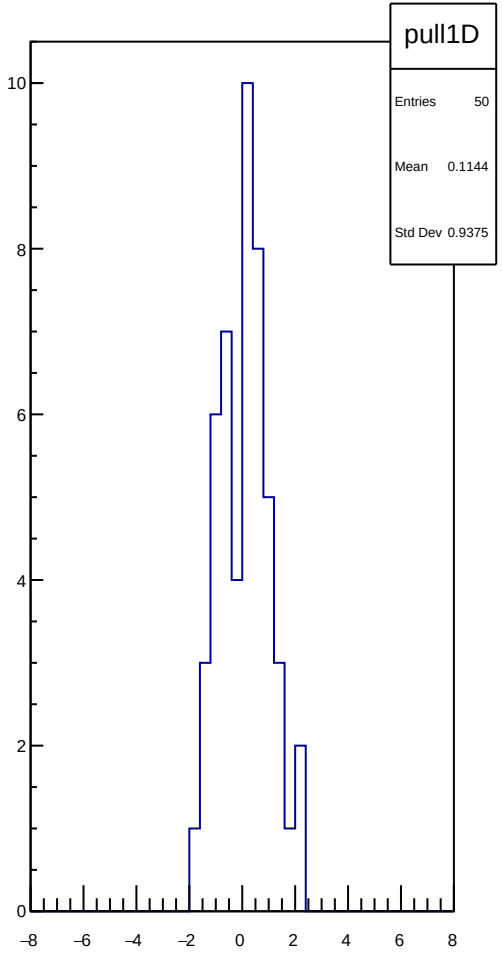

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2521 / 49
p0 0.00128 ± 1.314e−06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

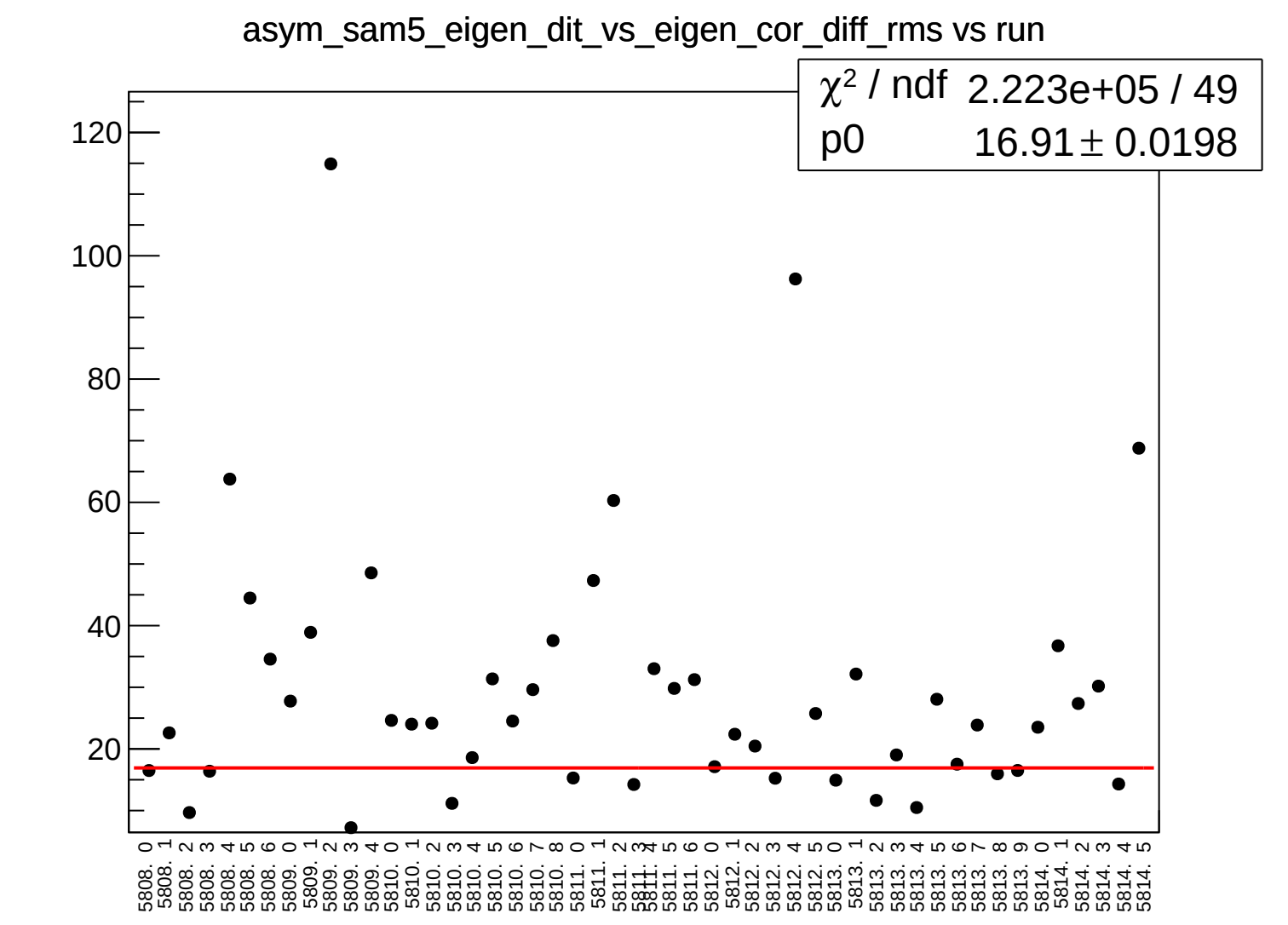

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.6 / 49
p0 −0.02581 ± 0.028
pull
Entries 50
Mean 54.62
Std Dev 0

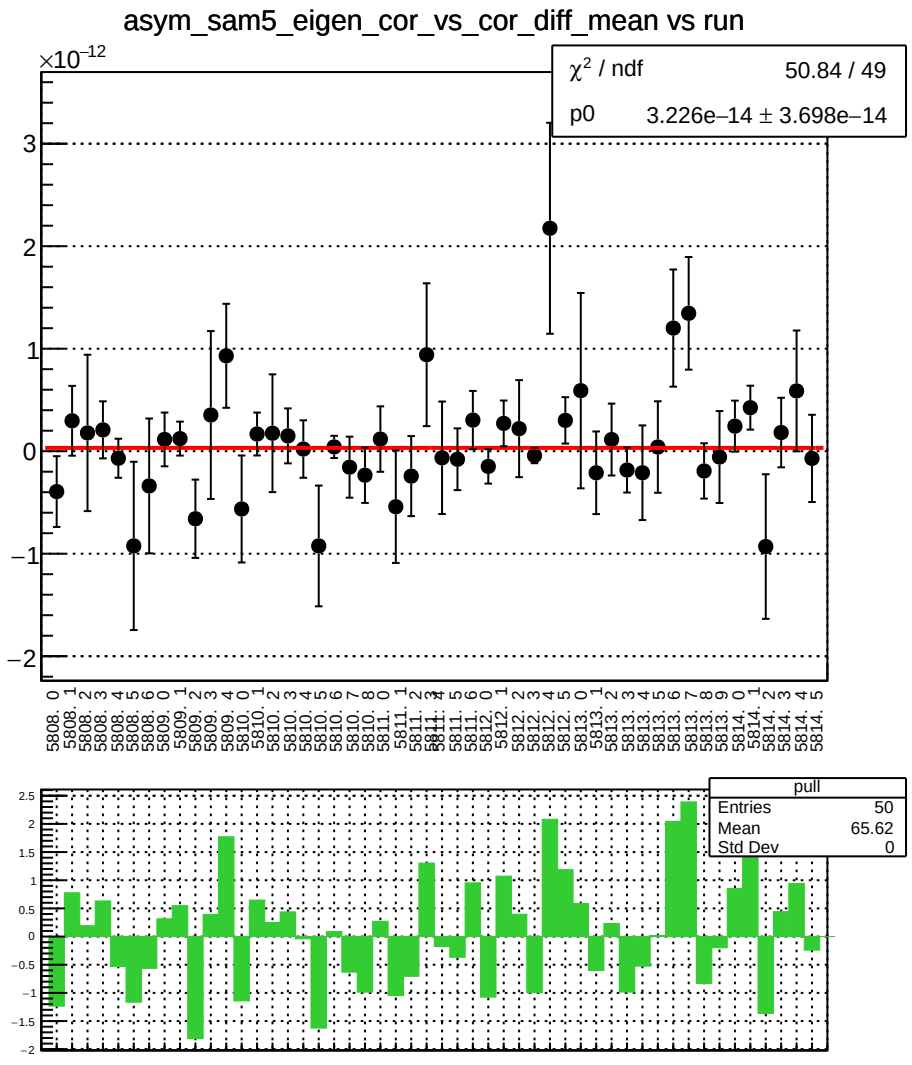

pull1D
Entries 50
Mean 0.1144
Std Dev 0.9375

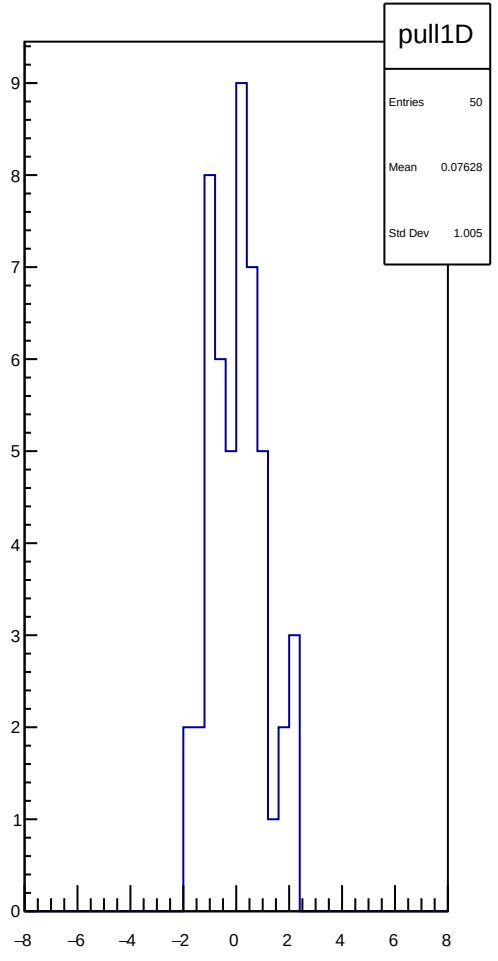

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.223e+05 / 49
p0 16.91 ± 0.0198
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

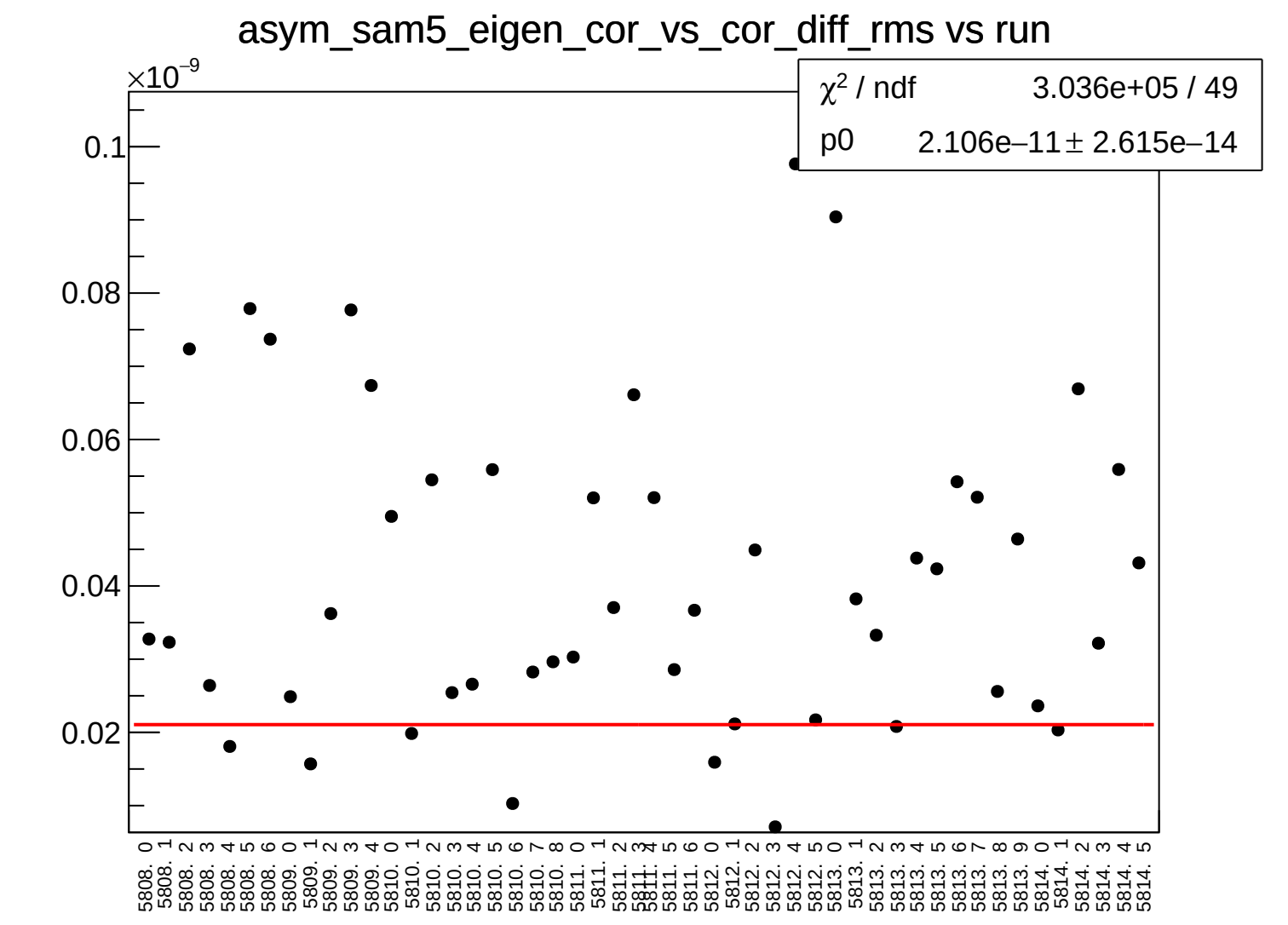

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.6 / 49
p0 −0.02581 ± 0.028
pull
Entries 50
Mean 54.62
Std Dev 0

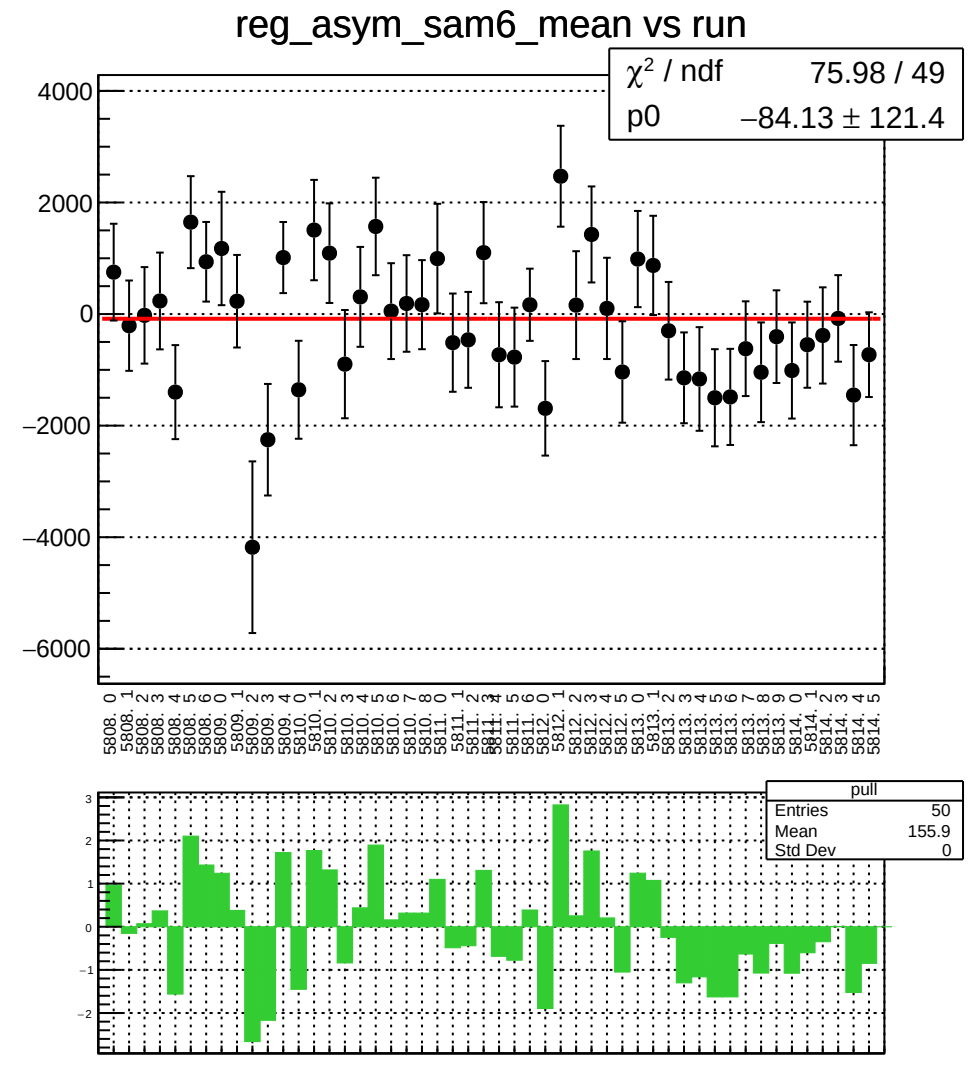

pull1D
Entries 50
Mean 0.1144
Std Dev 0.9375

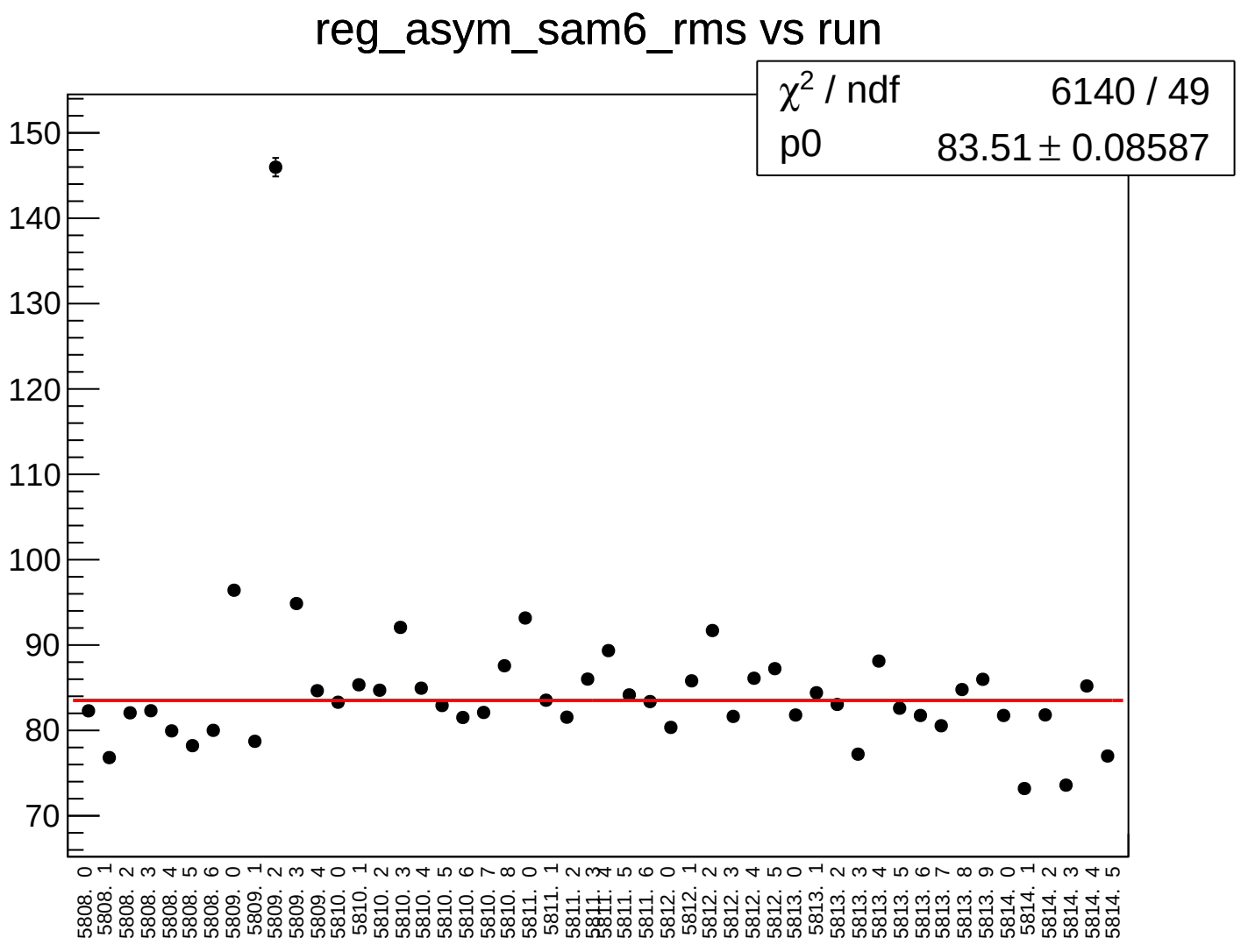

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.223e+05 / 49
p0 16.91 ± 0.0198
120
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

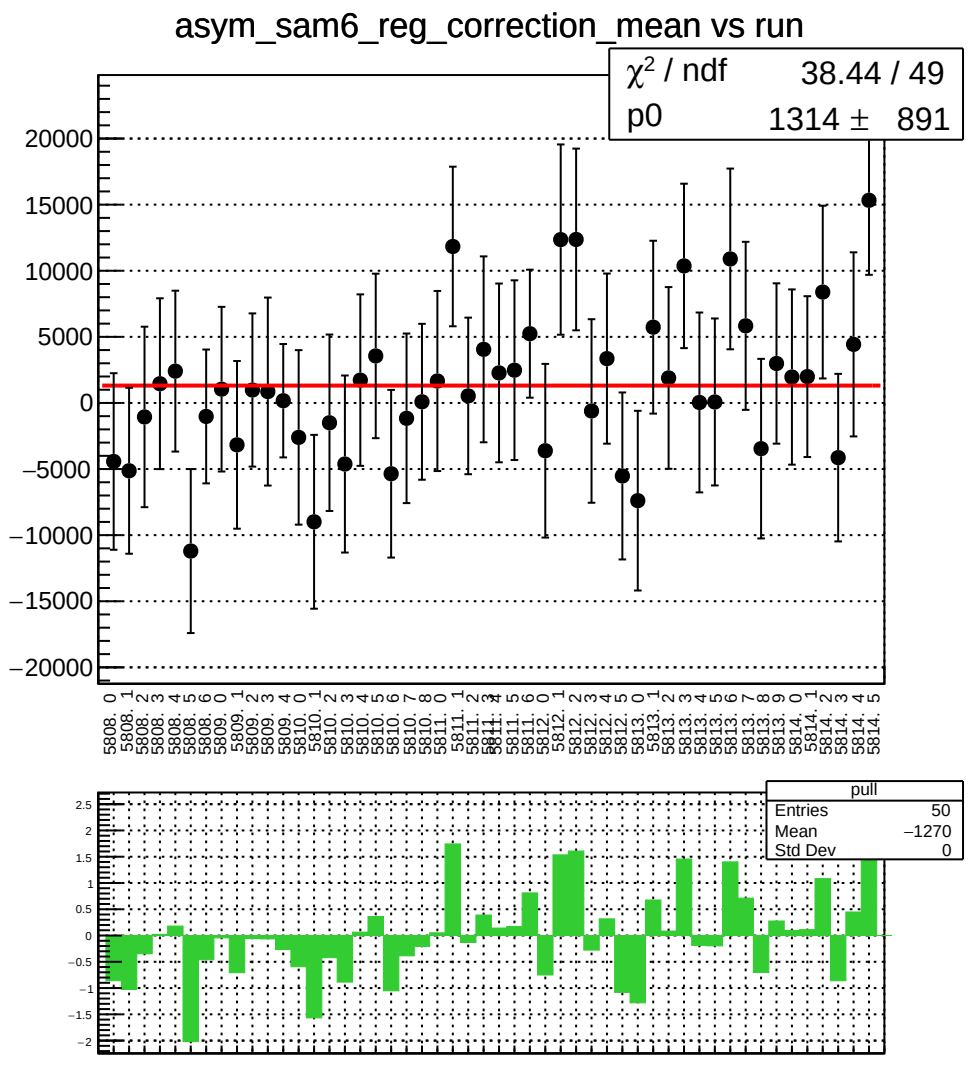

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.84 / 49
p0 3.226e−14 ± 3.698e−14
pull
Entries 50
Mean 65.62
Std Dev 0

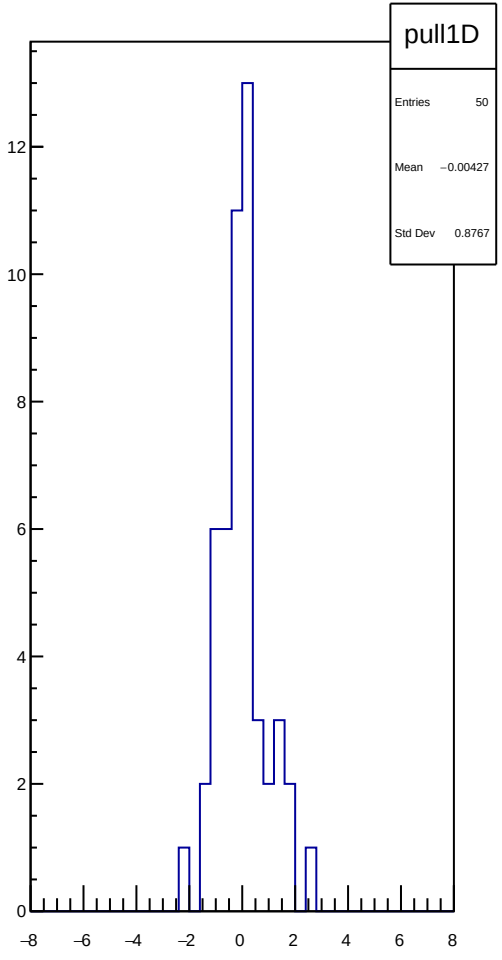

pull1D
Entries 50
Mean 0.07628
Std Dev 1.005

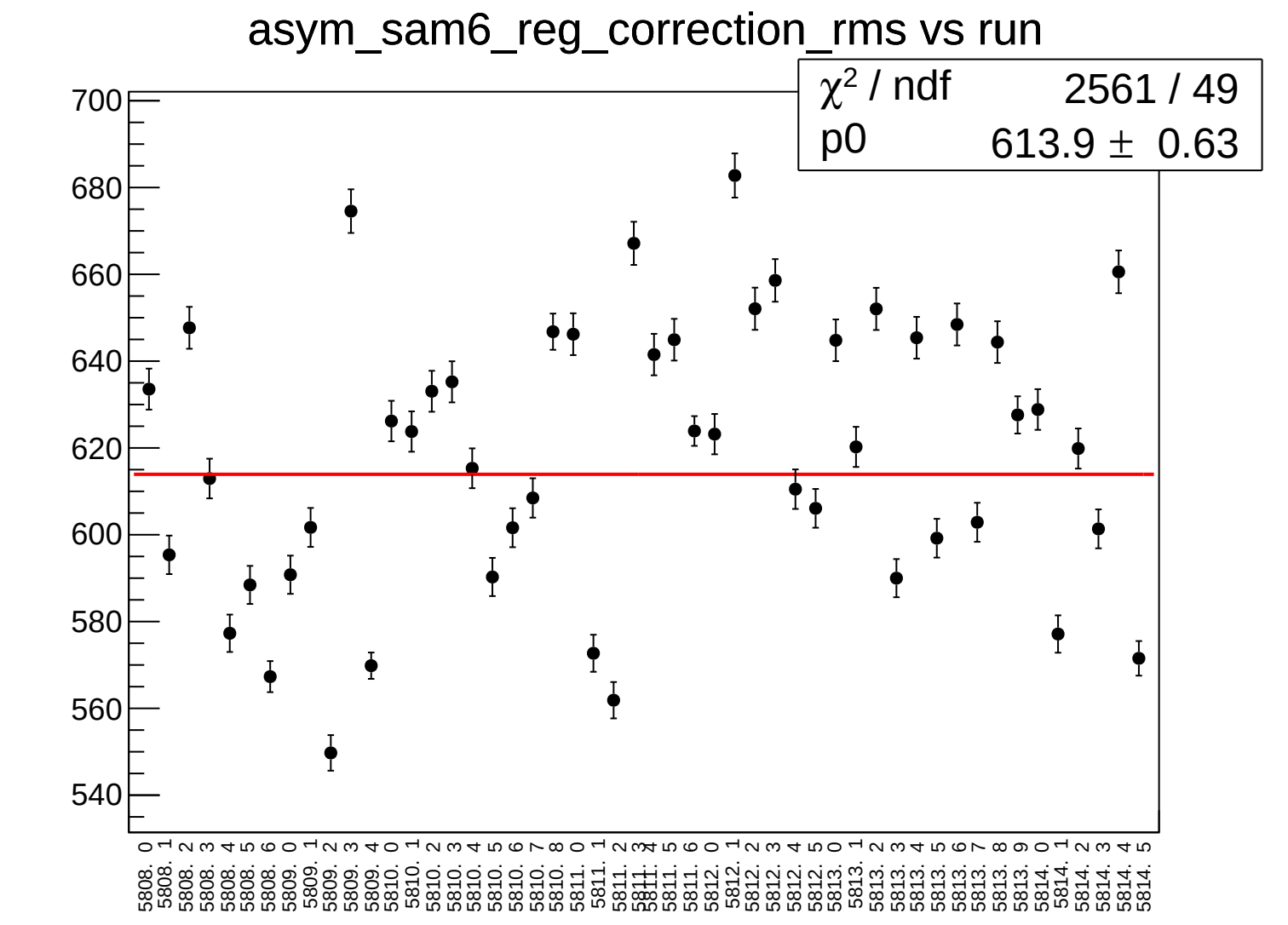

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.036e+05 / 49
p0 2.106e−11 ± 2.615e−14
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

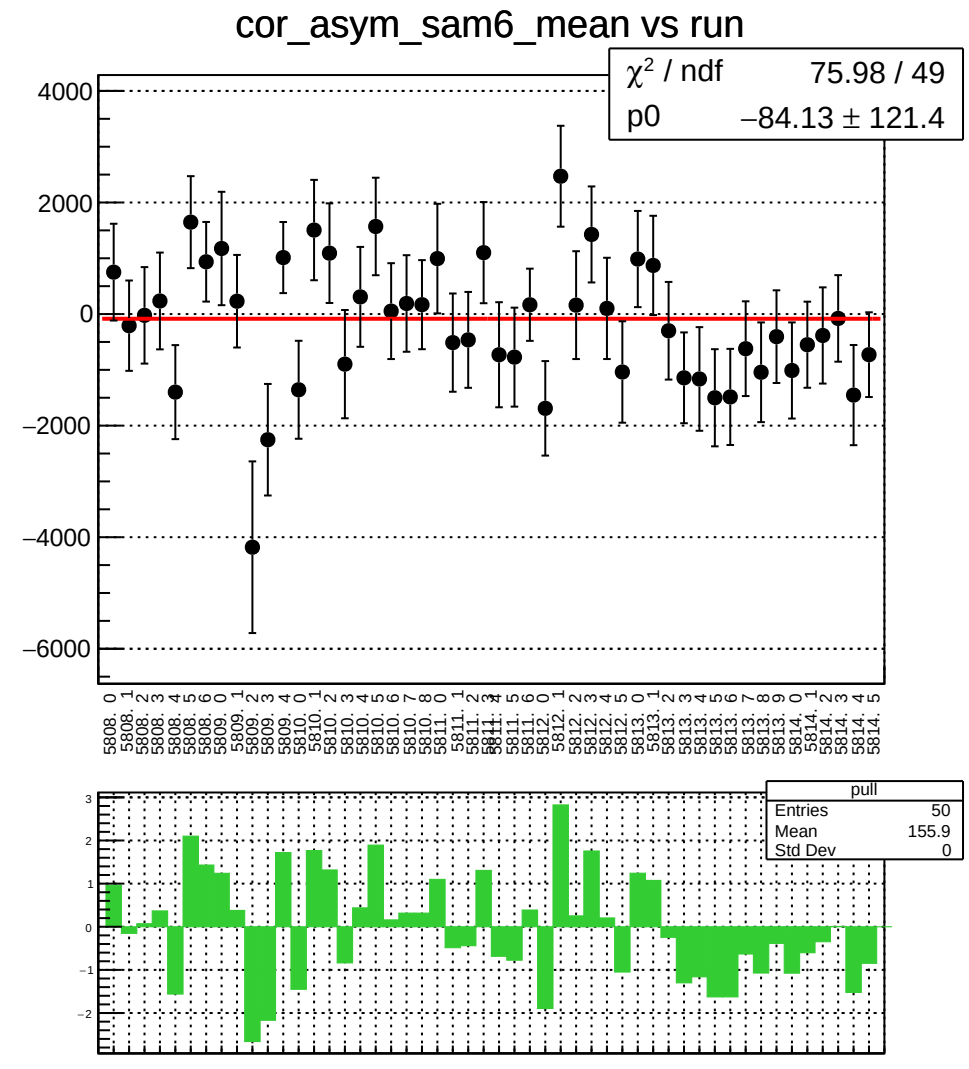

reg_asym_sam6_mean vs run
χ² / ndf 75.98 / 49
p0 −84.13 ± 121.4
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.03961
Std Dev 1.232
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam6_rms vs run
χ² / ndf 6140 / 49
p0 83.51 ± 0.08587
150
140
130
120
110
100
90
80
70
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam6_reg_correction_mean vs run
χ² / ndf 38.44 / 49
p0 1314 ± 891
pull
Entries 50
Mean −1270
Std Dev 0


pull1D
Entries 50
Mean −0.00427
Std Dev 0.8767


asym_sam6_reg_correction_rms vs run
χ² / ndf 2561 / 49
p0 613.9 ± 0.63
700
680
660
640
620
600
580
560
540
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam6_mean vs run
χ² / ndf 75.98 / 49
p0 −84.13 ± 121.4
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.03961
Std Dev 1.232
10
8
6
4
2
0
−8
−6
−4
−2
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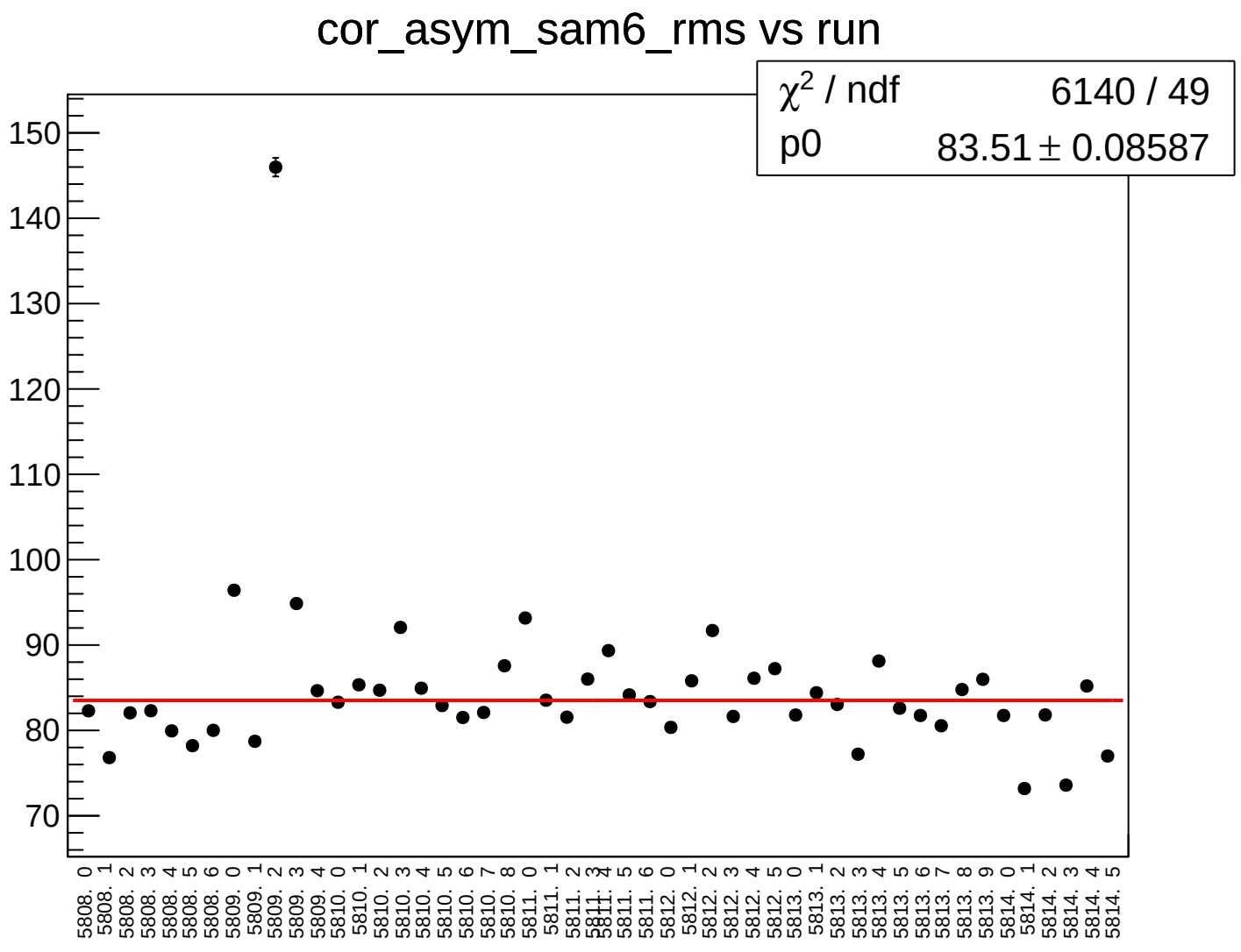
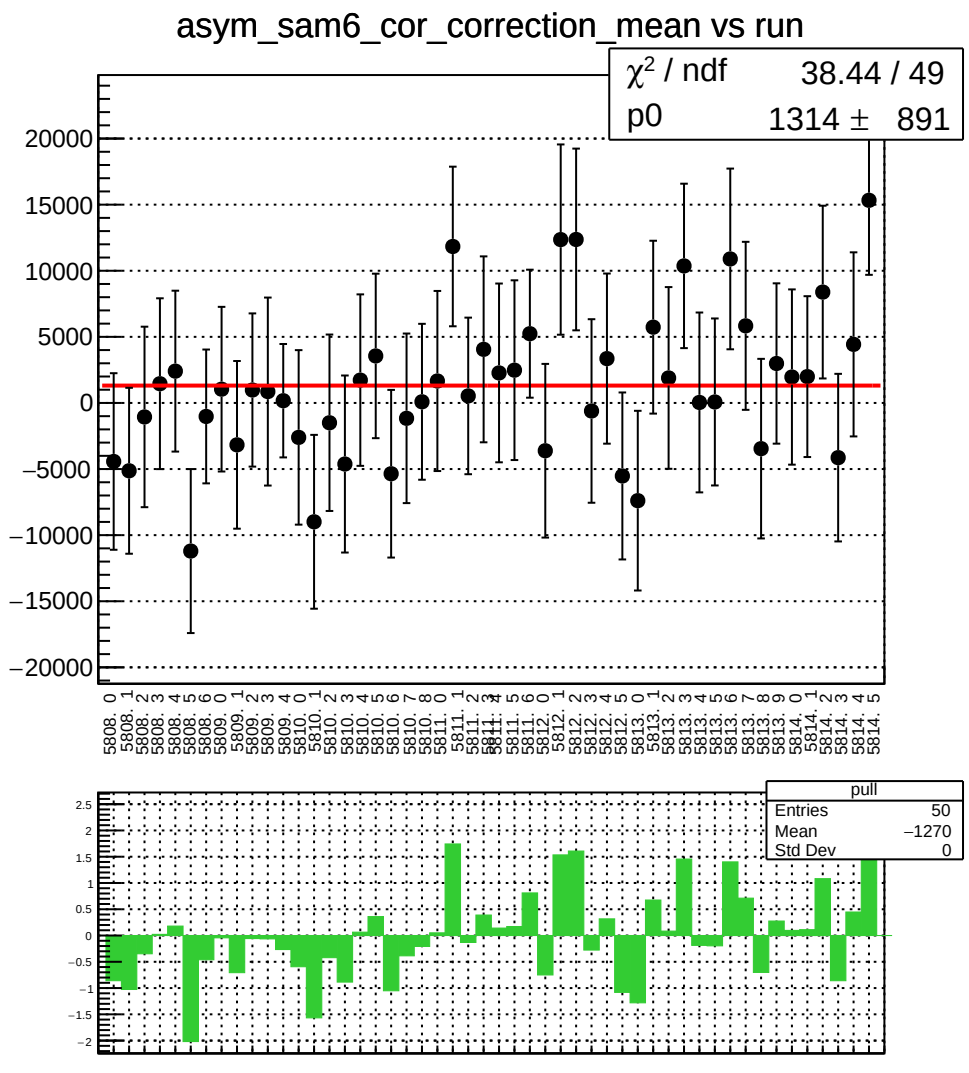
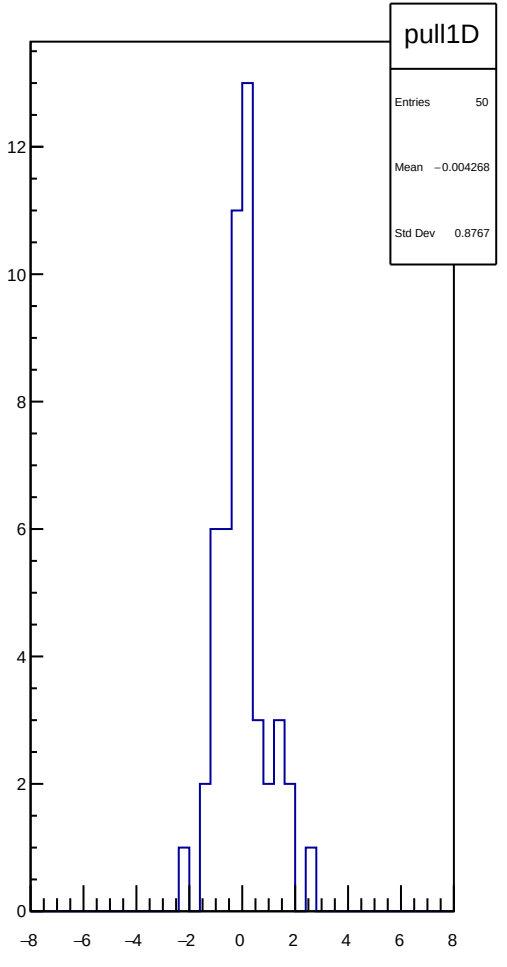
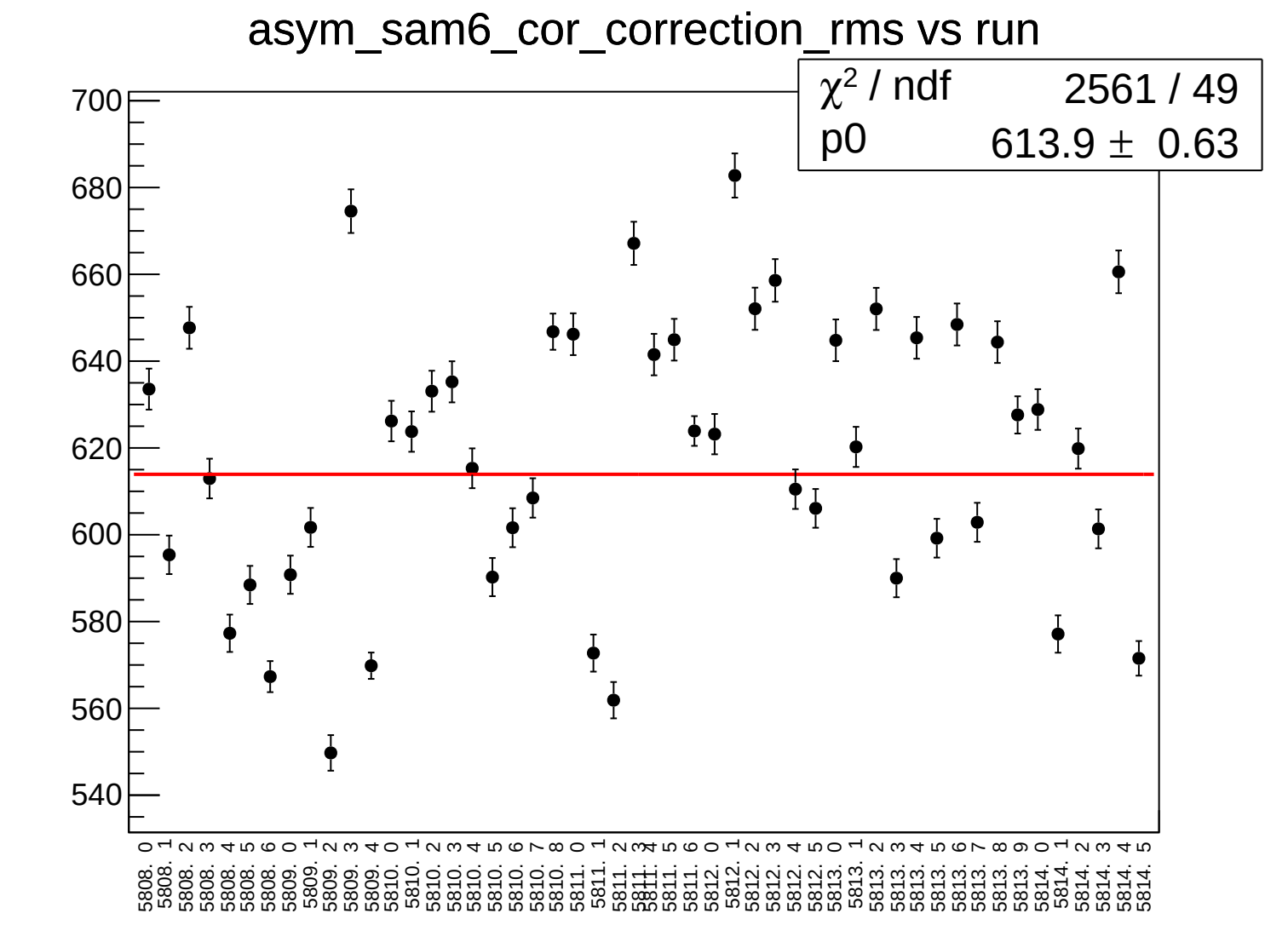
2
4
6
8


cor_asym_sam6_rms vs run
χ² / ndf 6140 / 49
p0 83.51 ± 0.08587
150
140
130
120
110
100
90
80
70
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam6_cor_correction_mean vs run
χ² / ndf 38.44 / 49
p0 1314 ± 891
pull
Entries 50
Mean −1270
Std Dev 0


pull1D
Entries 50
Mean −0.004268
Std Dev 0.8767


asym_sam6_cor_correction_rms vs run
χ² / ndf 2561 / 49
p0 613.9 ± 0.63
700
680
660
640
620
600
580
560
540
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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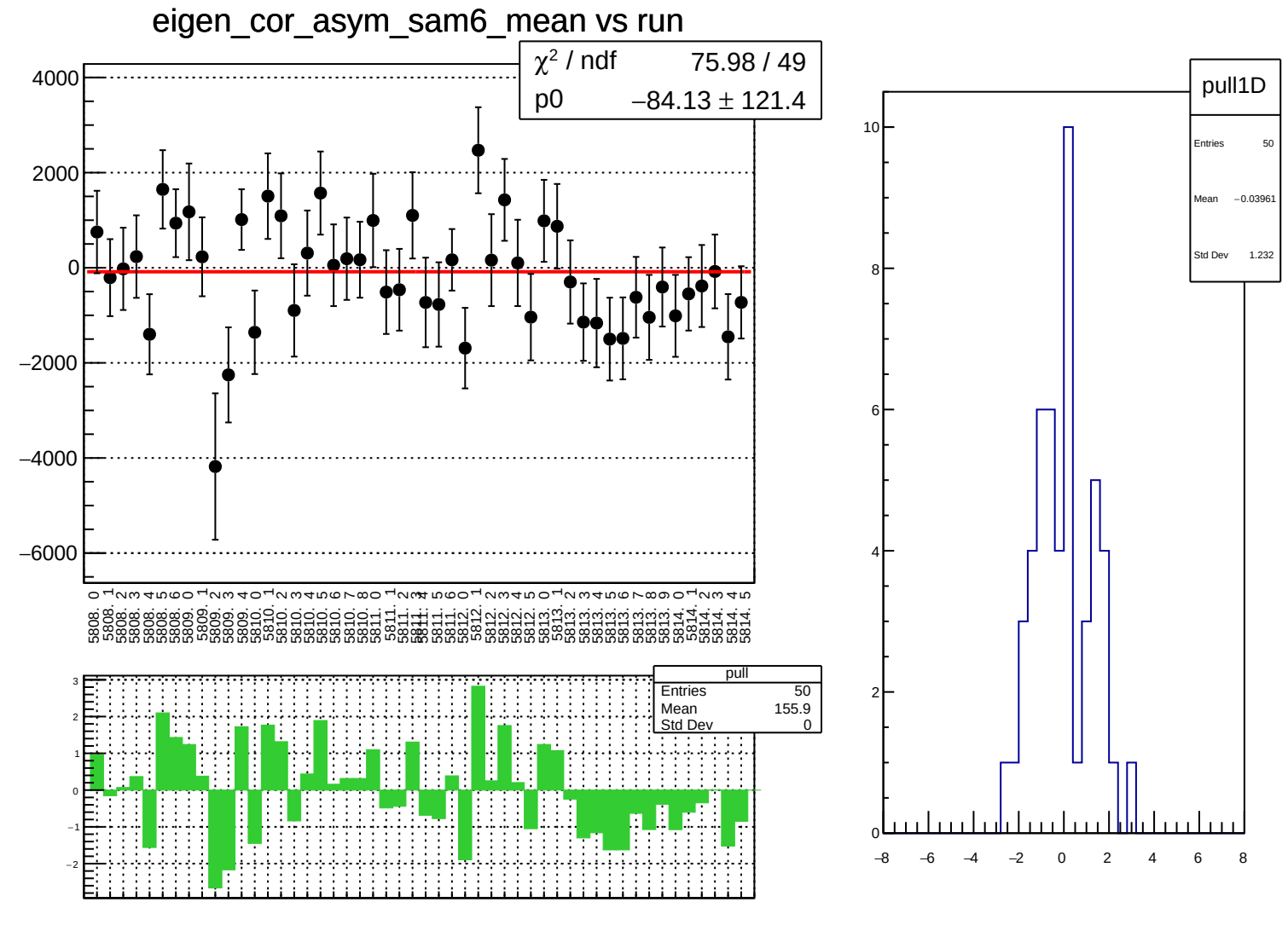
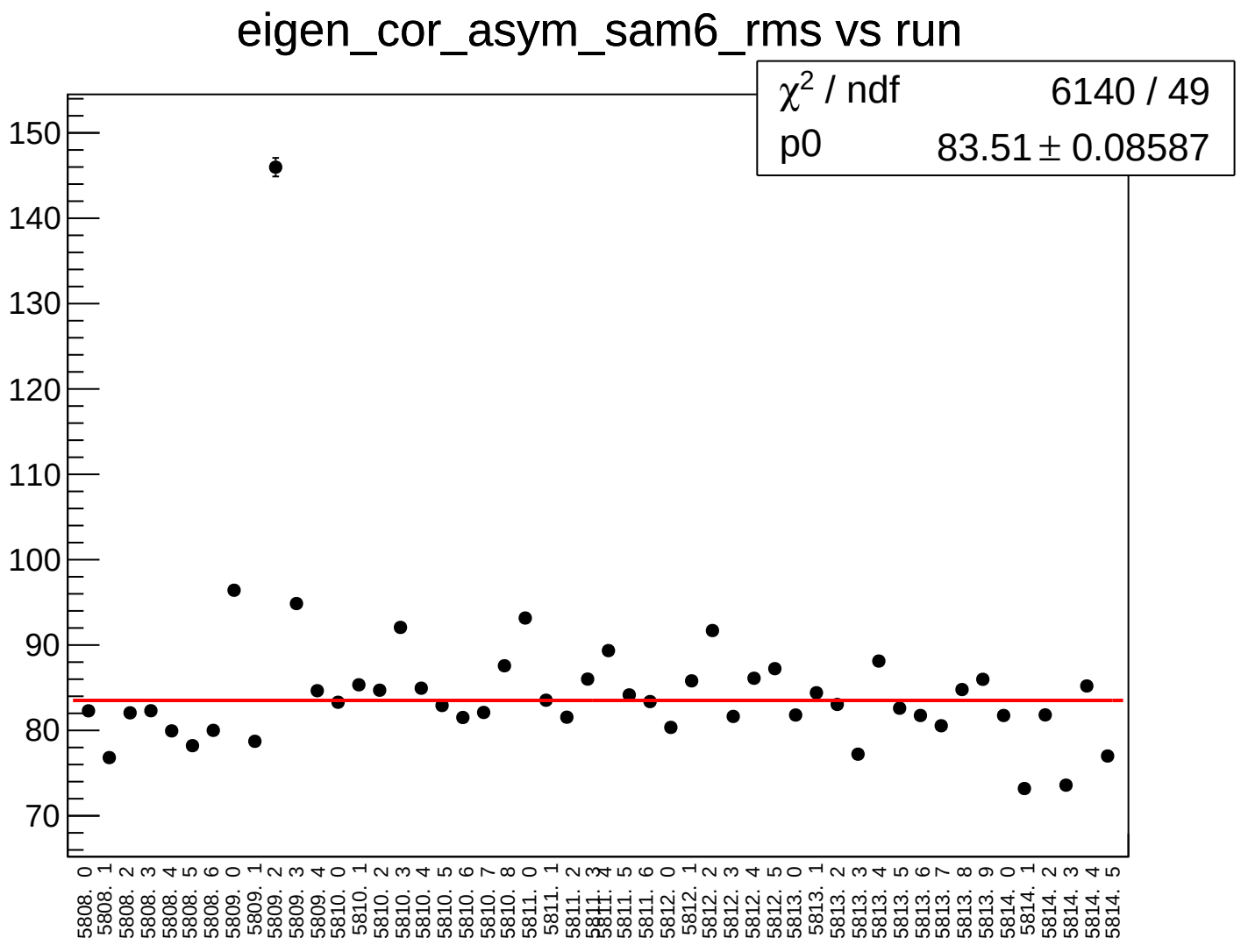
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam6_mean vs run
χ² / ndf 75.98 / 49
p0 −84.13 ± 121.4
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 155.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.03961
Std Dev 1.232
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam6_rms vs run
χ^2 / ndf 6140 / 49
p0 83.51 ± 0.08587
150
140
130
120
110
100
90
80
70
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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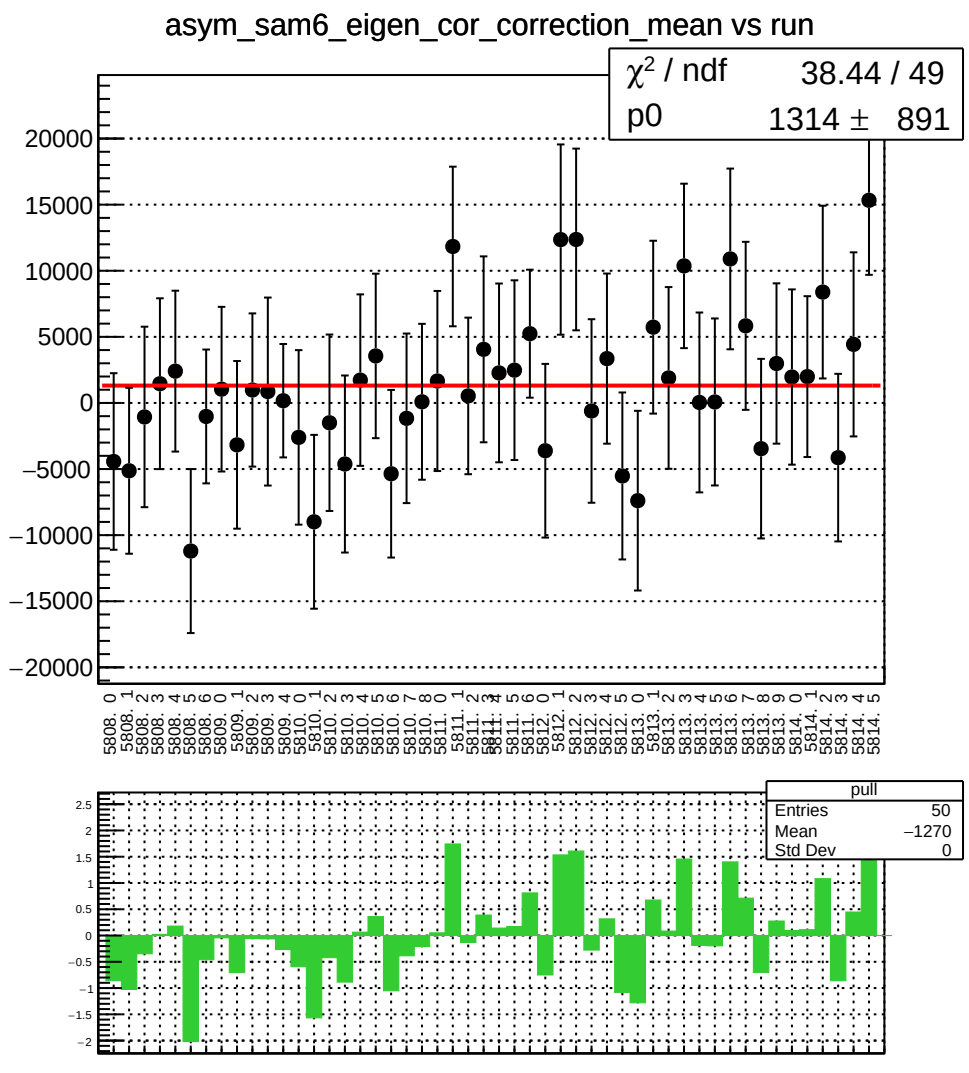
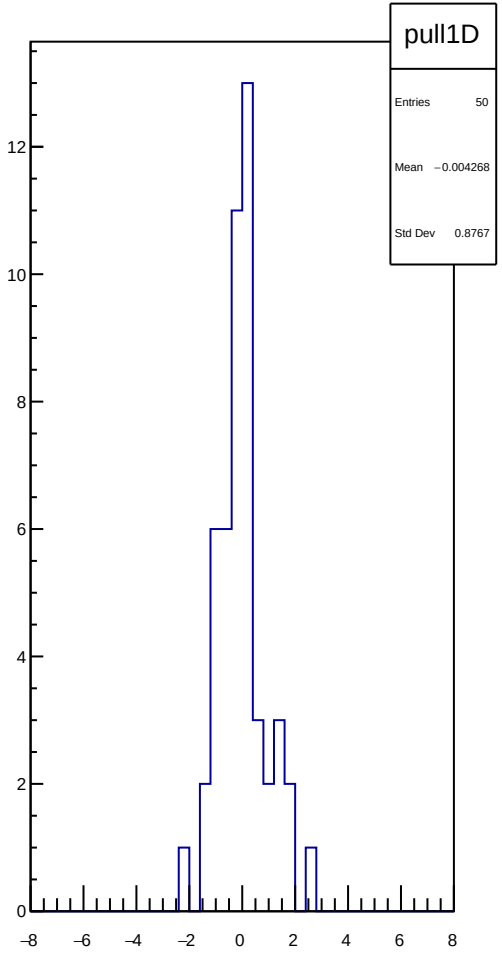
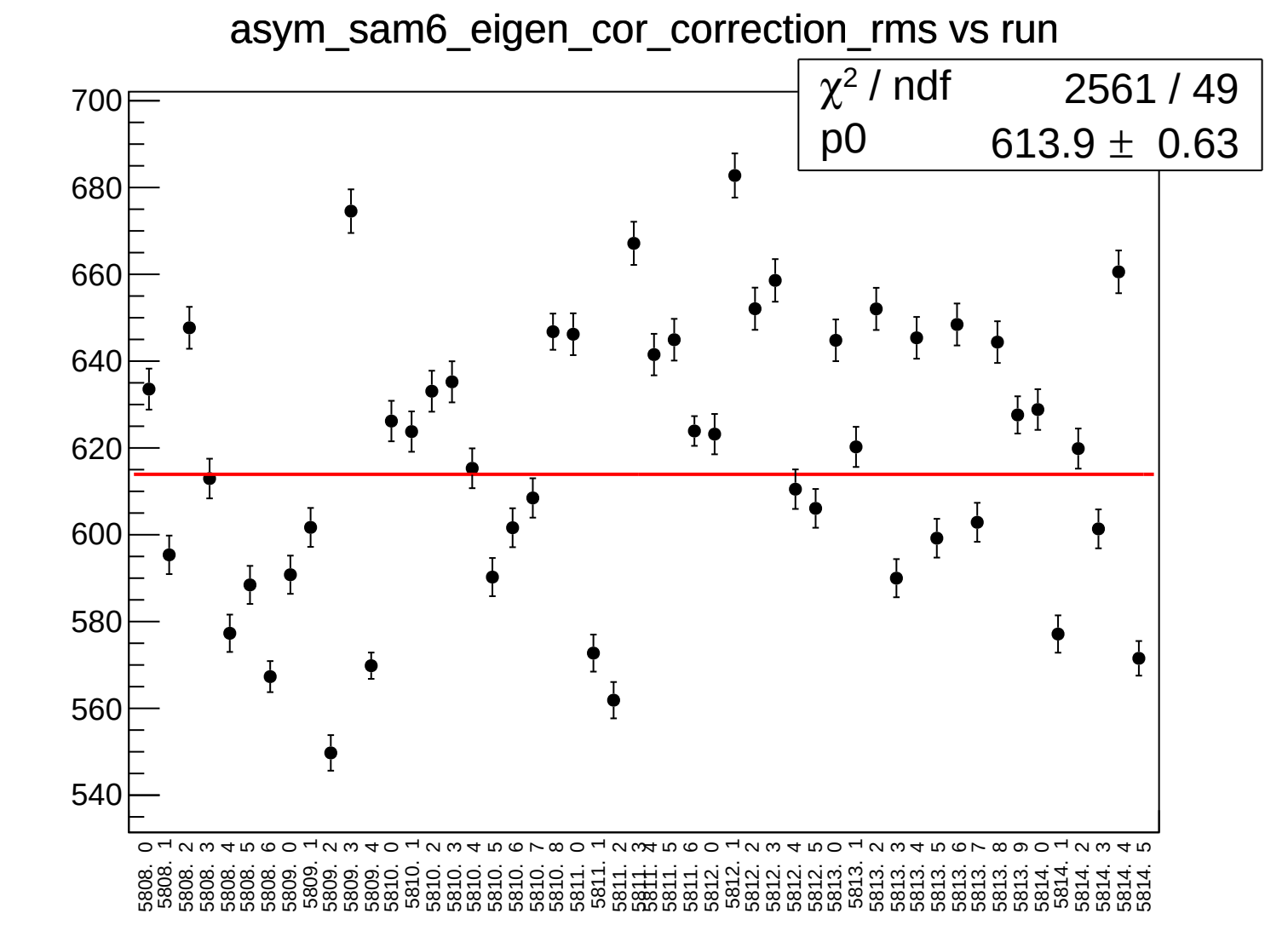
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 38.44 / 49
p0 1314 ± 891
pull
Entries 50
Mean −1270
Std Dev 0


pull1D
Entries 50
Mean −0.004268
Std Dev 0.8767


asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 2561 / 49
p0 613.9 ± 0.63
700
680
660
640
620
600
580
560
540
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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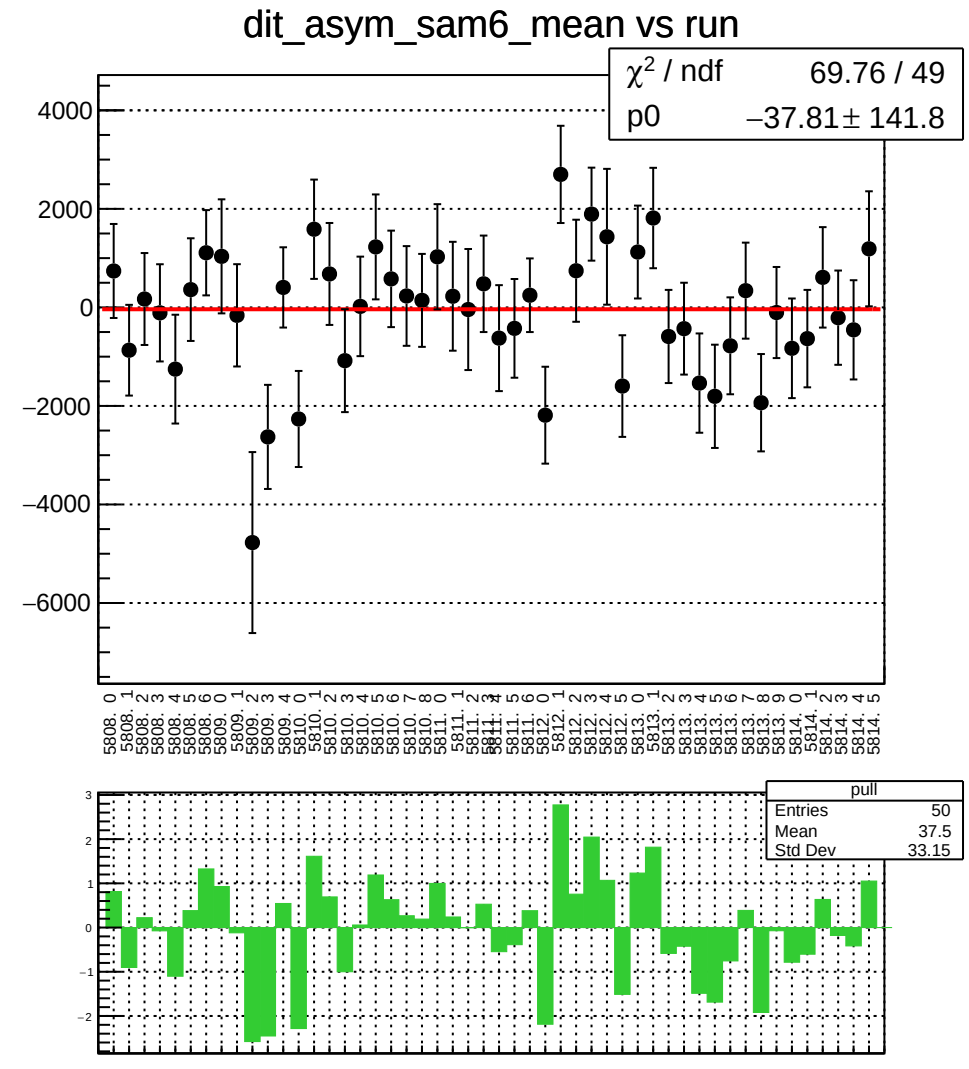
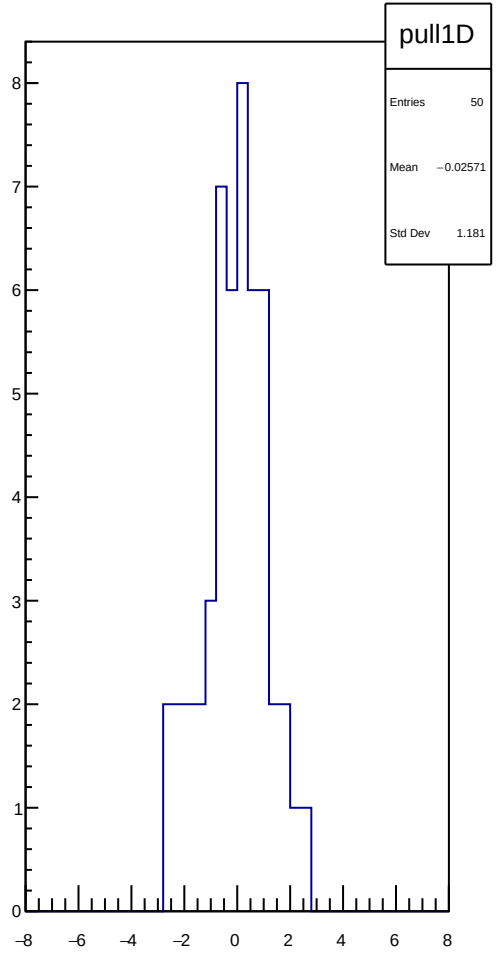
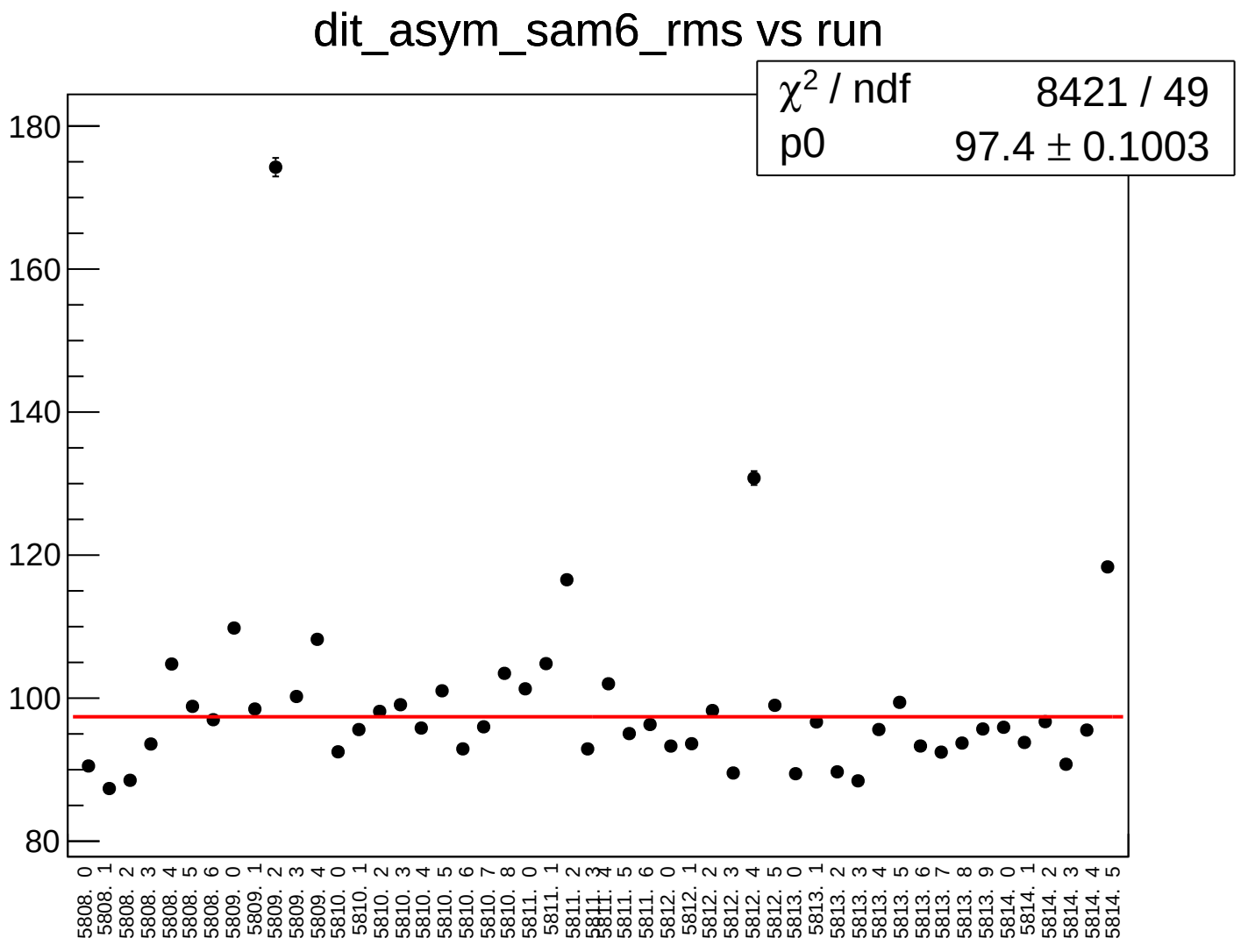
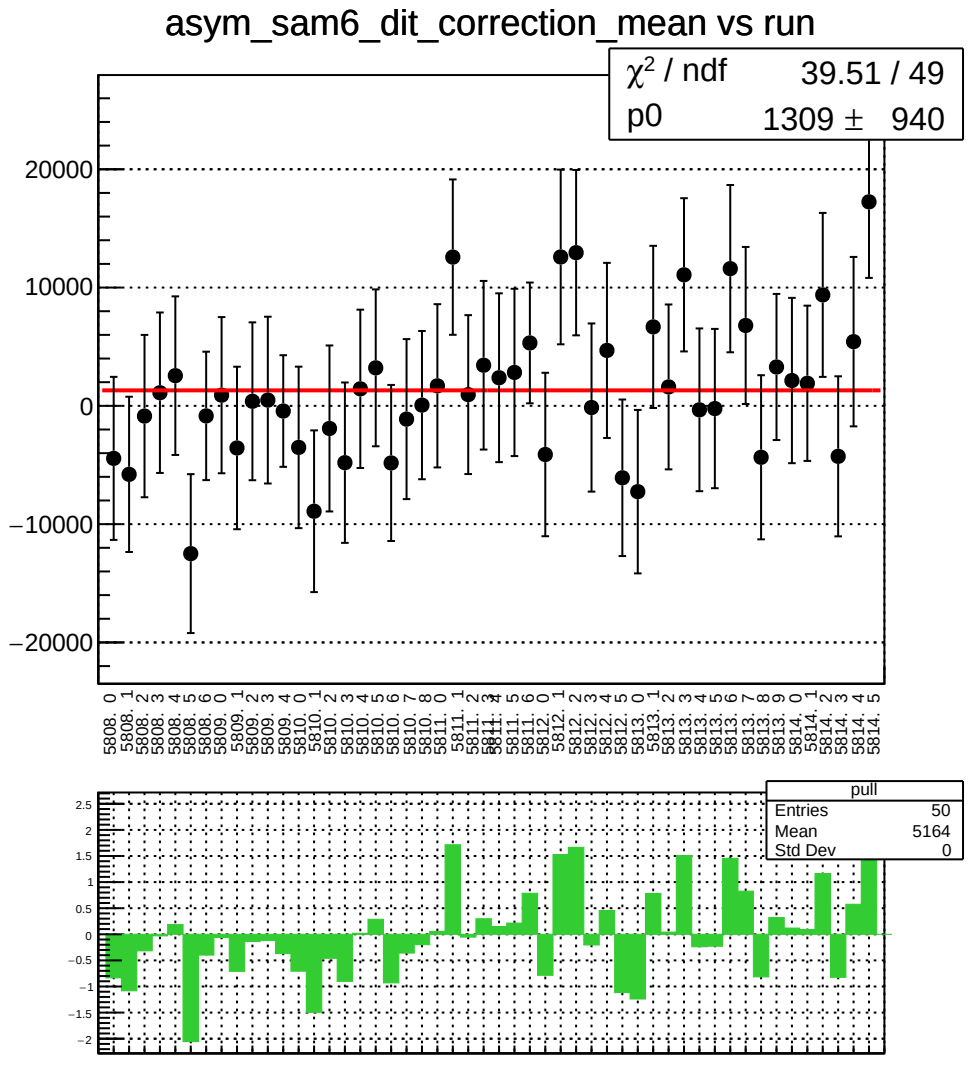
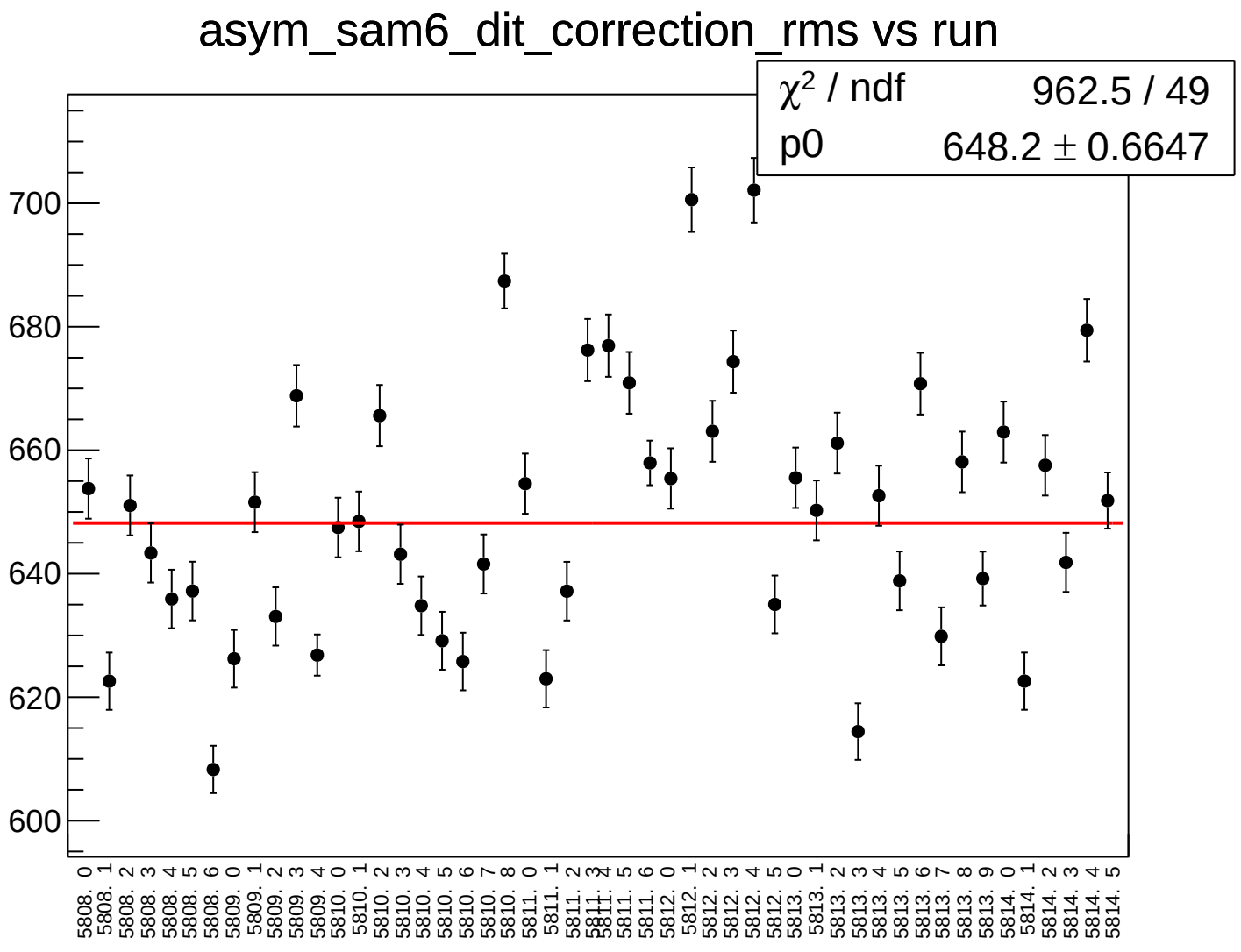
5814. 4
5814. 5

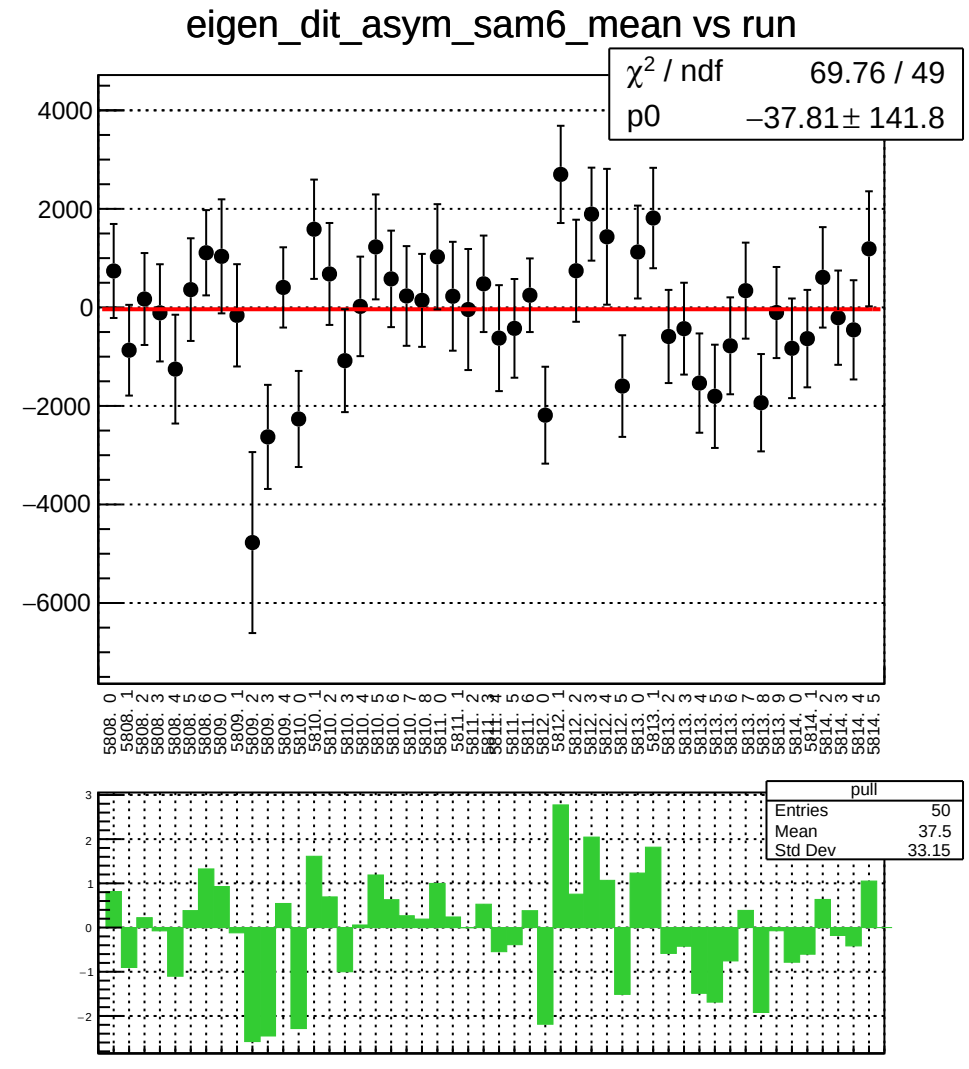

dit_asym_sam6_mean vs run
χ² / ndf 69.76 / 49
p0 −37.81 ± 141.8
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 37.5
Std Dev 33.15
3
2
1
0
−1
−2

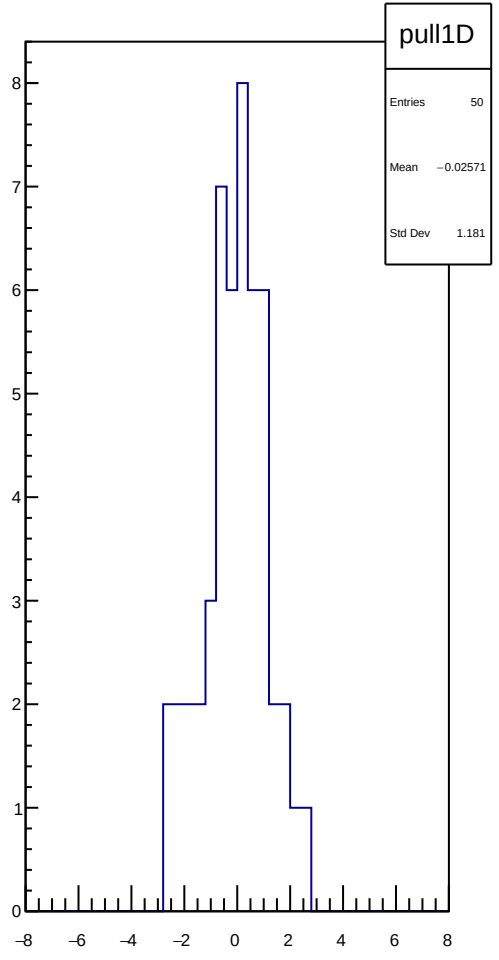

pull1D
Entries 50
Mean −0.02571
Std Dev 1.181
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

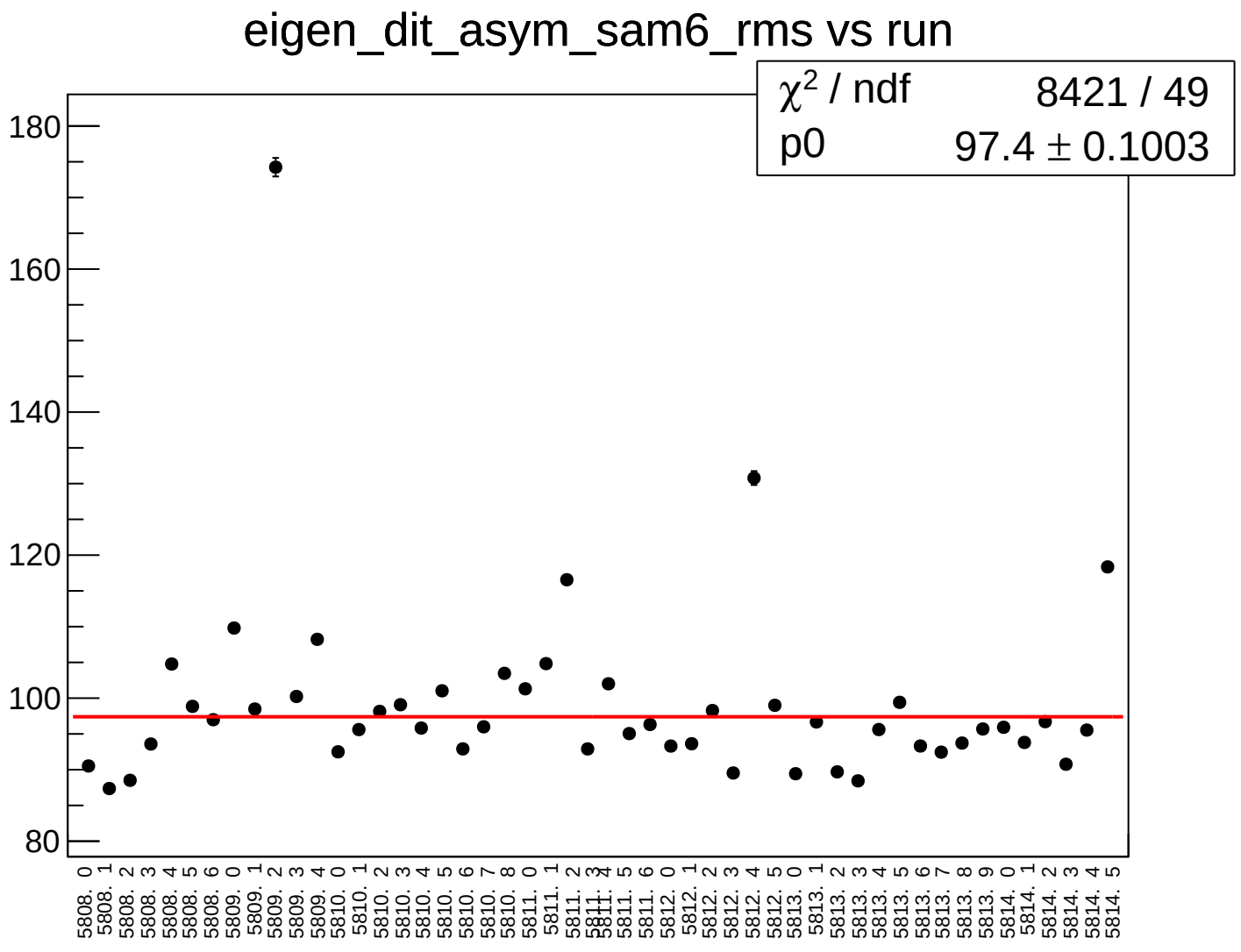

dit_asym_sam6_rms vs run
χ² / ndf 8421 / 49
p0 97.4 ± 0.1003
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam6_dit_correction_mean vs run
χ² / ndf 39.51 / 49
p0 1309 ± 940
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5164
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.001131
Std Dev 0.8889
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_dit_correction_rms vs run
χ² / ndf 962.5 / 49
p0 648.2 ± 0.6647
700
680
660
640
620
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam6_mean vs run
χ² / ndf 69.76 / 49
p0 −37.81 ± 141.8
pull
Entries 50
Mean 37.5
Std Dev 33.15


pull1D
Entries 50
Mean −0.02571
Std Dev 1.181


eigen_dit_asym_sam6_rms vs run
χ² / ndf 8421 / 49
p0 97.4 ± 0.1003
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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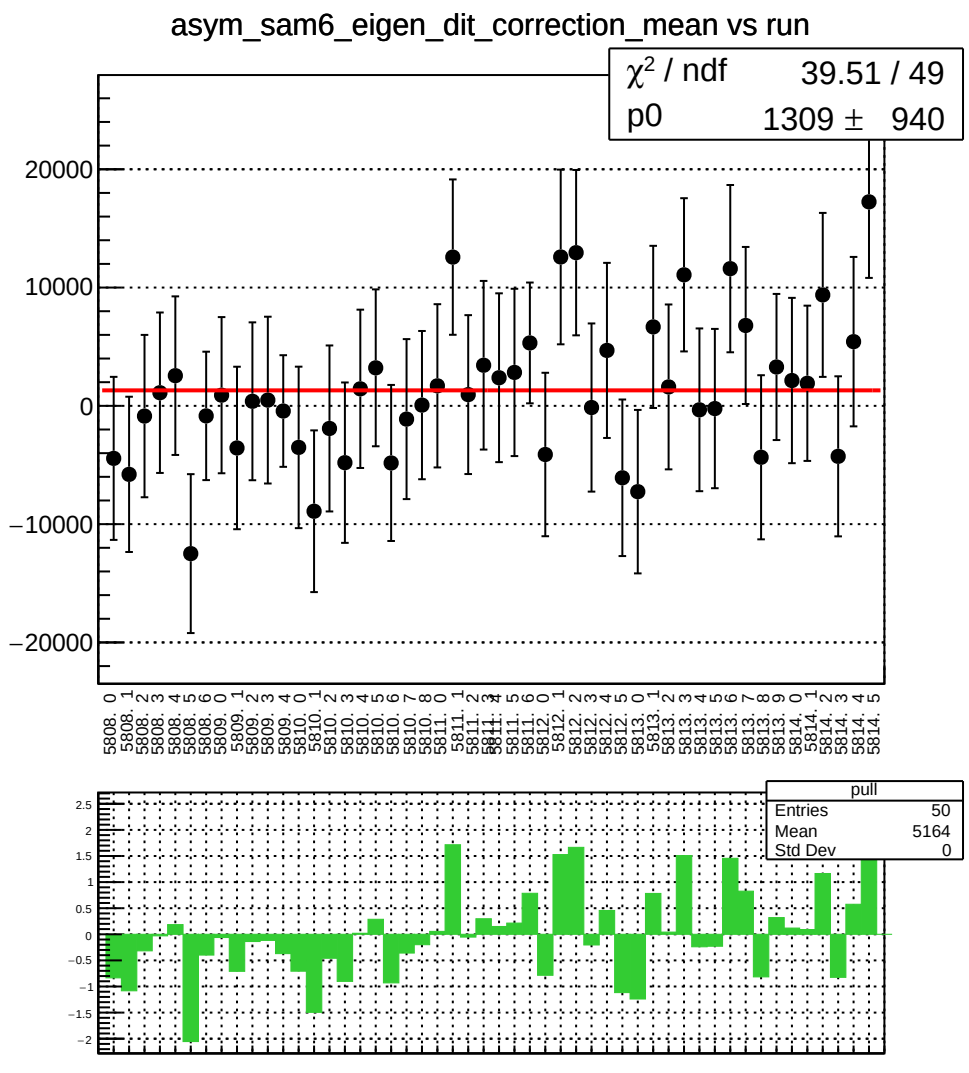
5814. 4
5814. 5


asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 39.51 / 49
p0 1309 ± 940
20000
10000
0
−10000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
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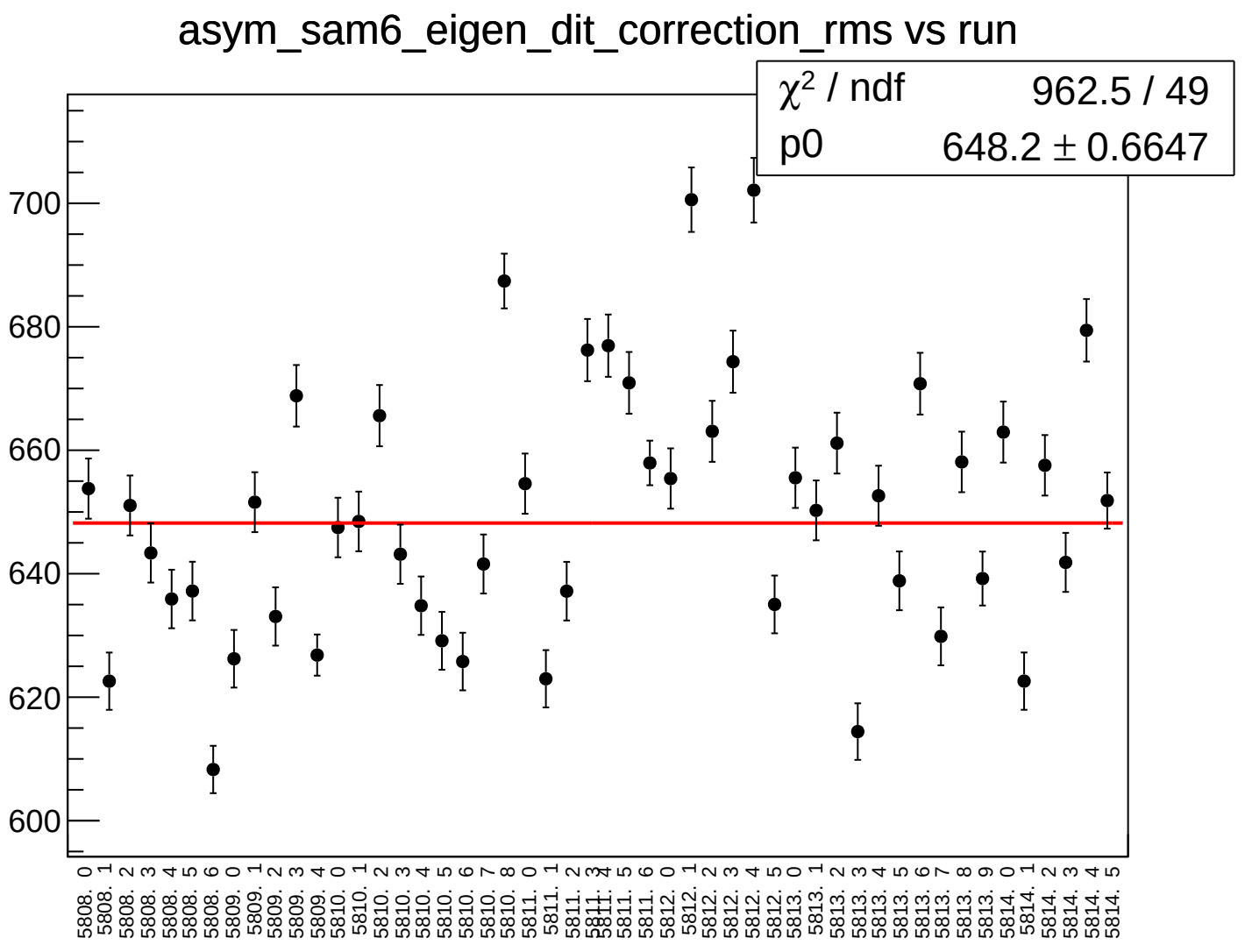
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5164
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.001131
Std Dev 0.8889
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 962.5 / 49
p0 648.2 ± 0.6647
700
680
660
640
620
600
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
5814. 0
5814. 1
5814. 2
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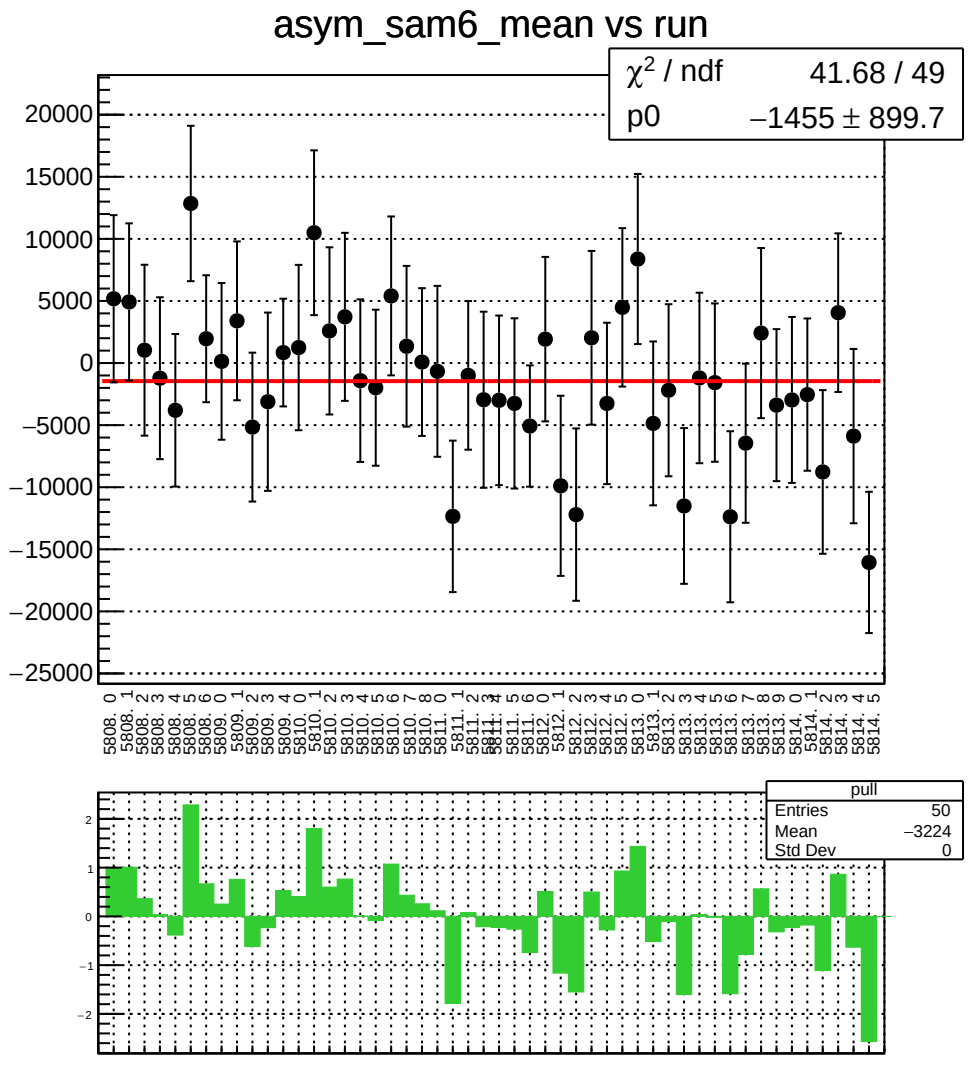
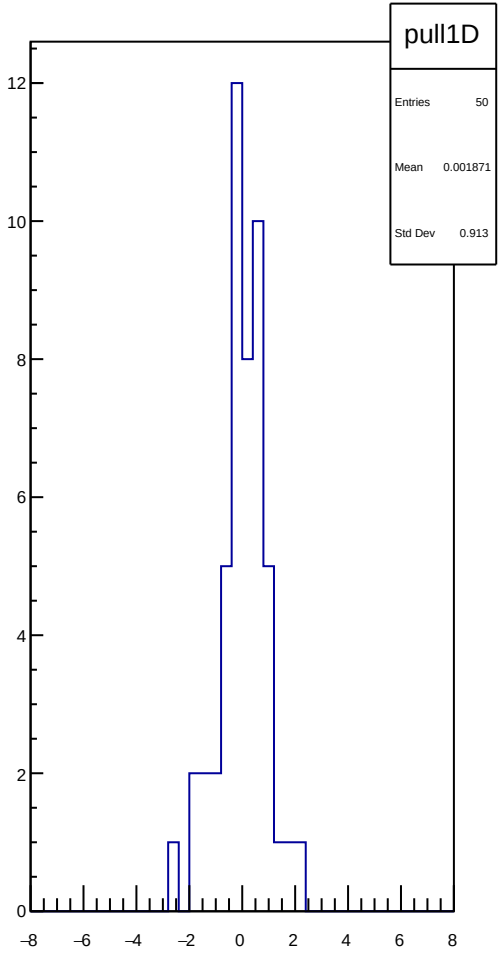
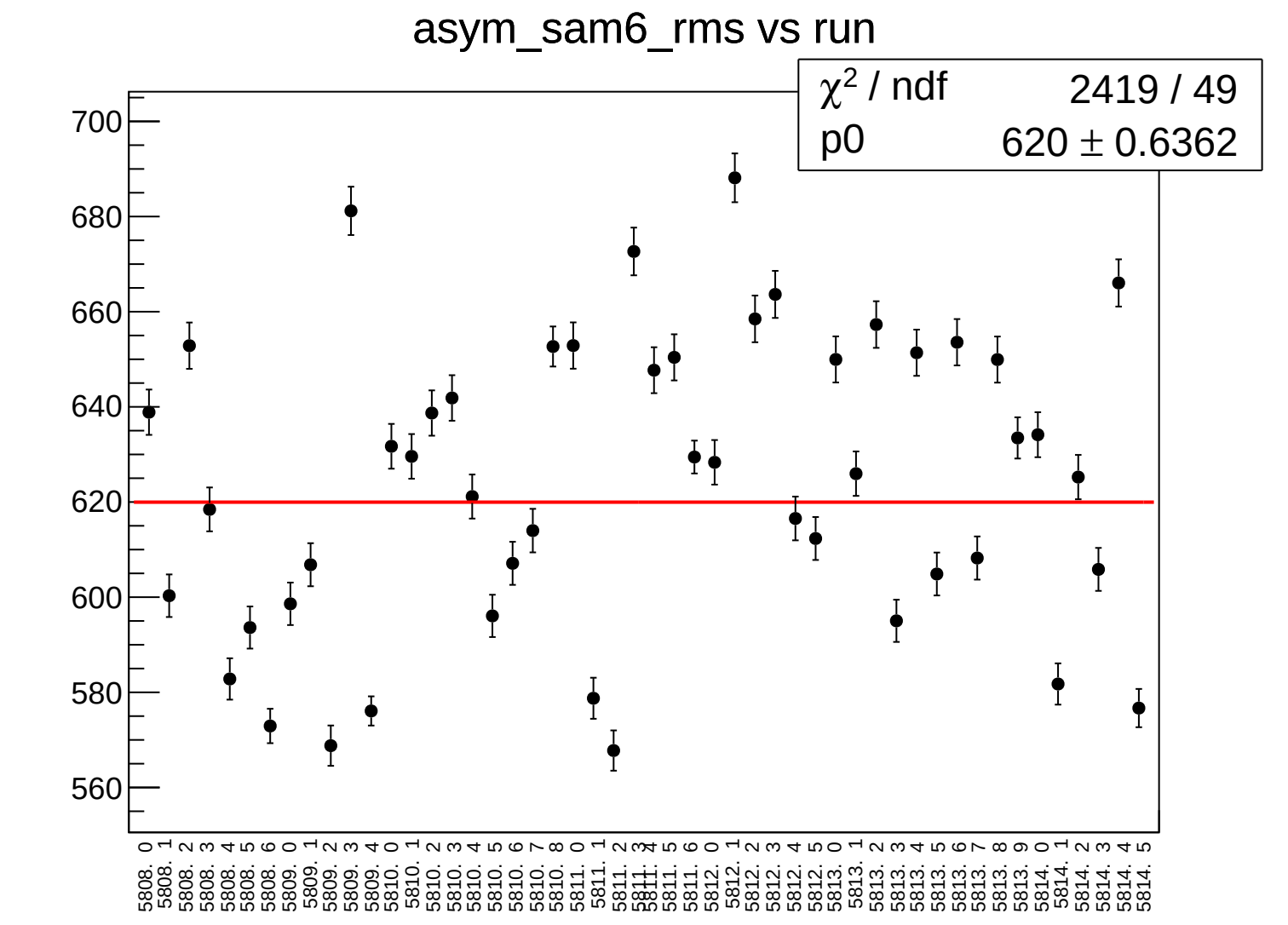
5814. 5


asym_sam6_mean vs run
χ² / ndf 41.68 / 49
p0 −1455 ± 899.7
pull
Entries 50
Mean −3224
Std Dev 0


pull1D
Entries 50
Mean 0.001871
Std Dev 0.913


asym_sam6_rms vs run
χ² / ndf 2419 / 49
p0 620 ± 0.6362
700
680
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
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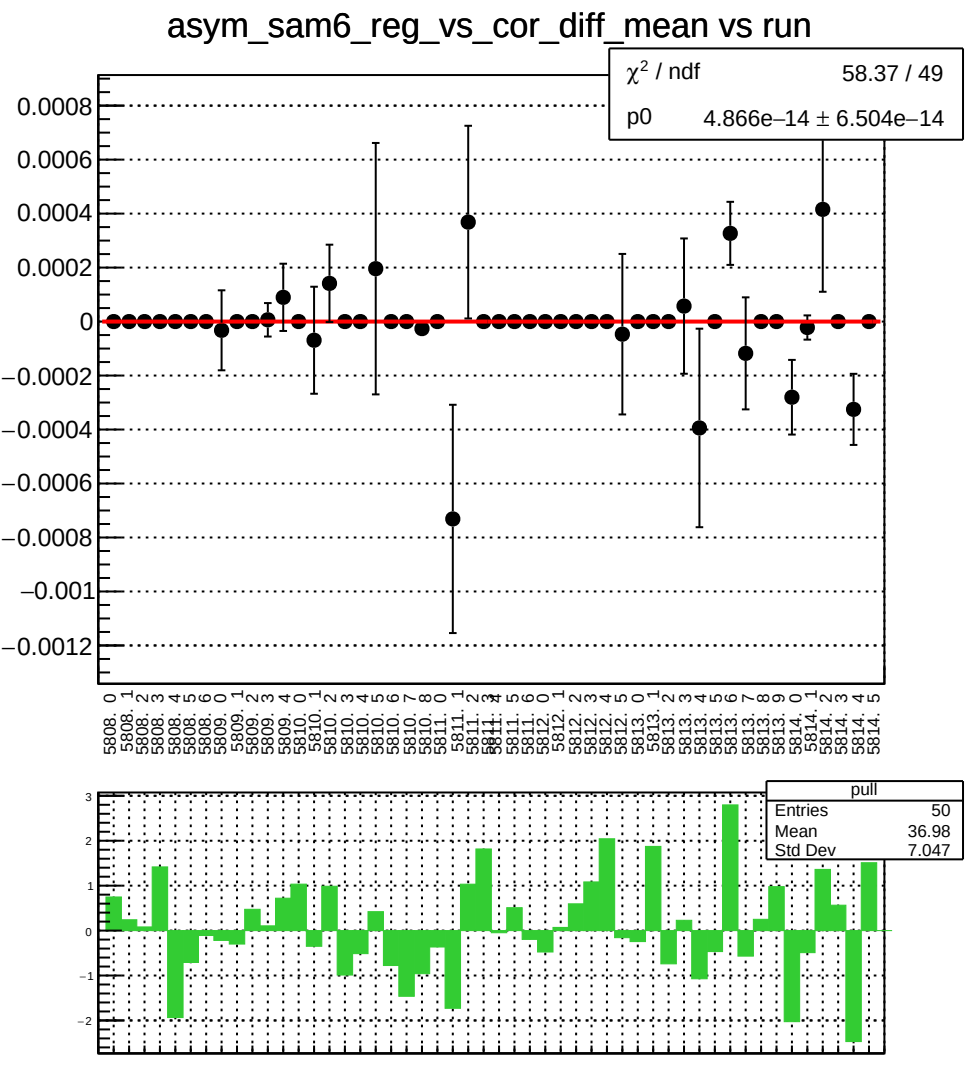
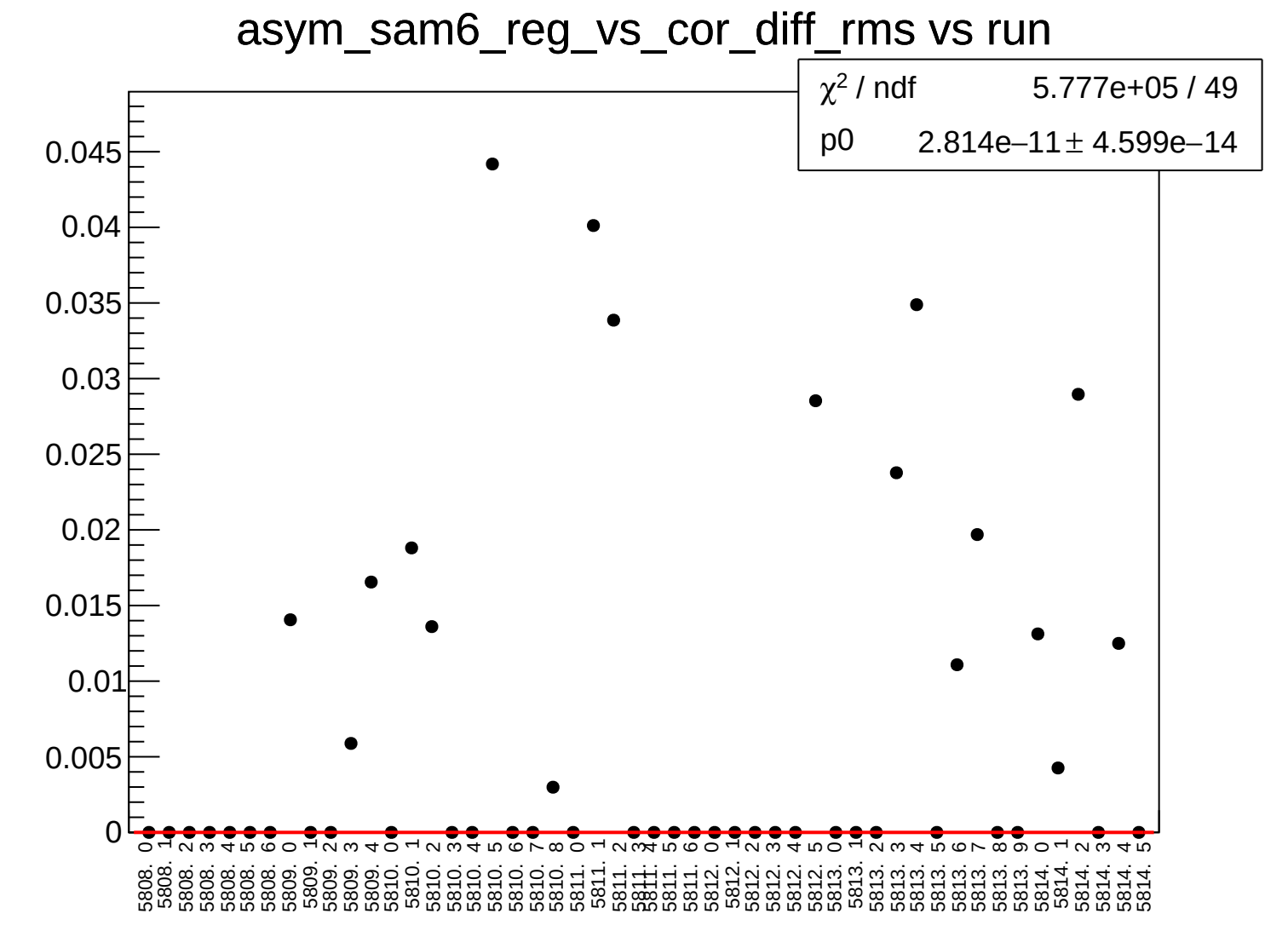
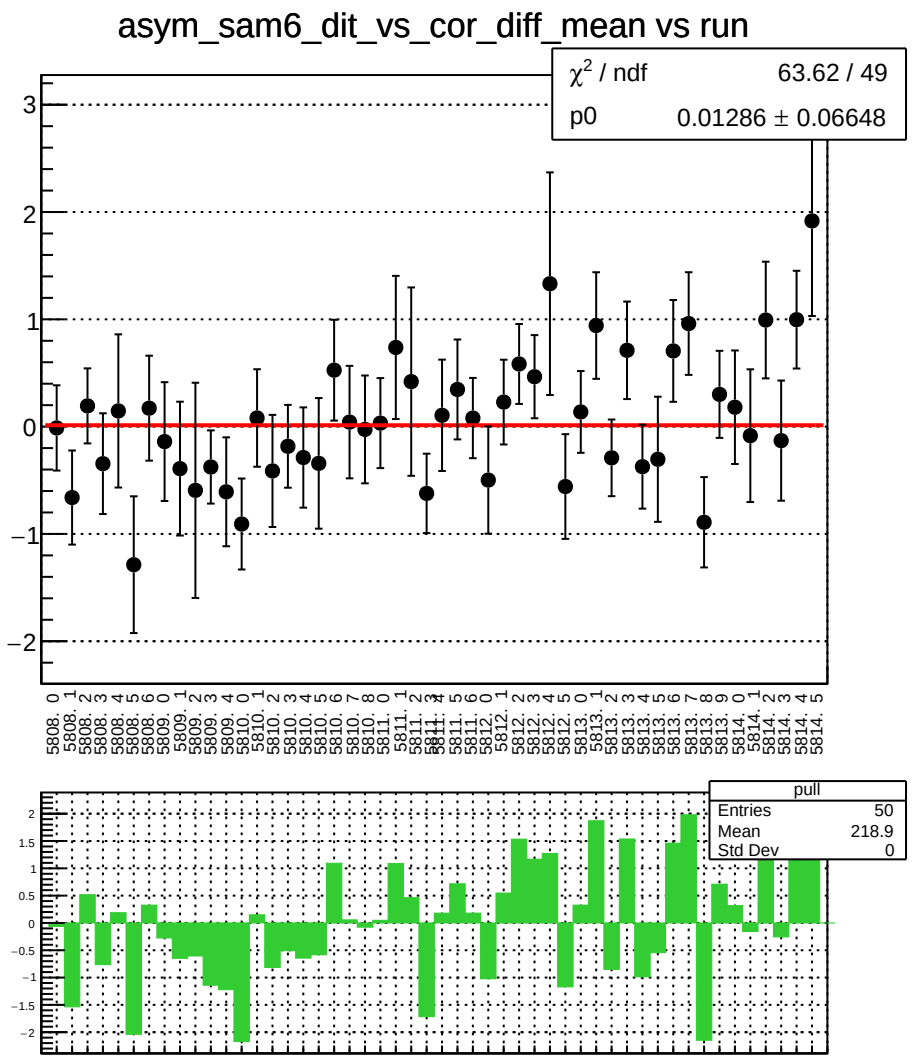
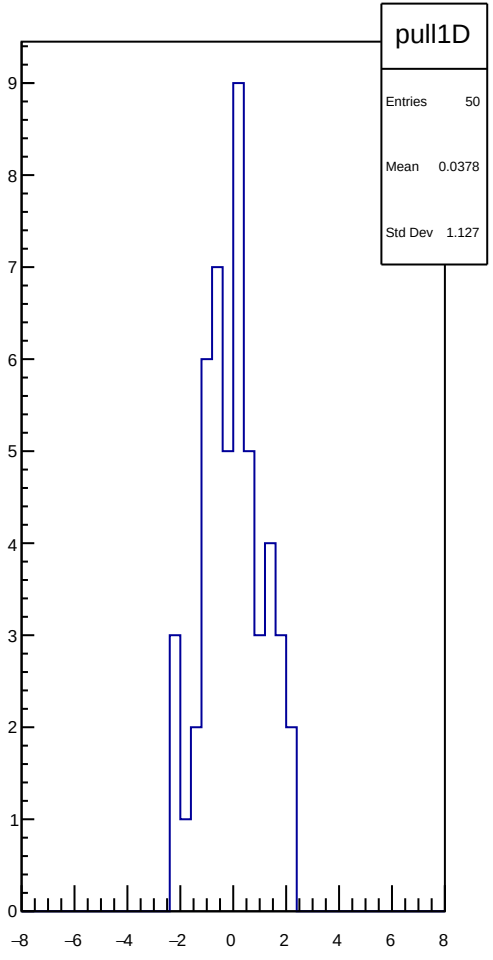
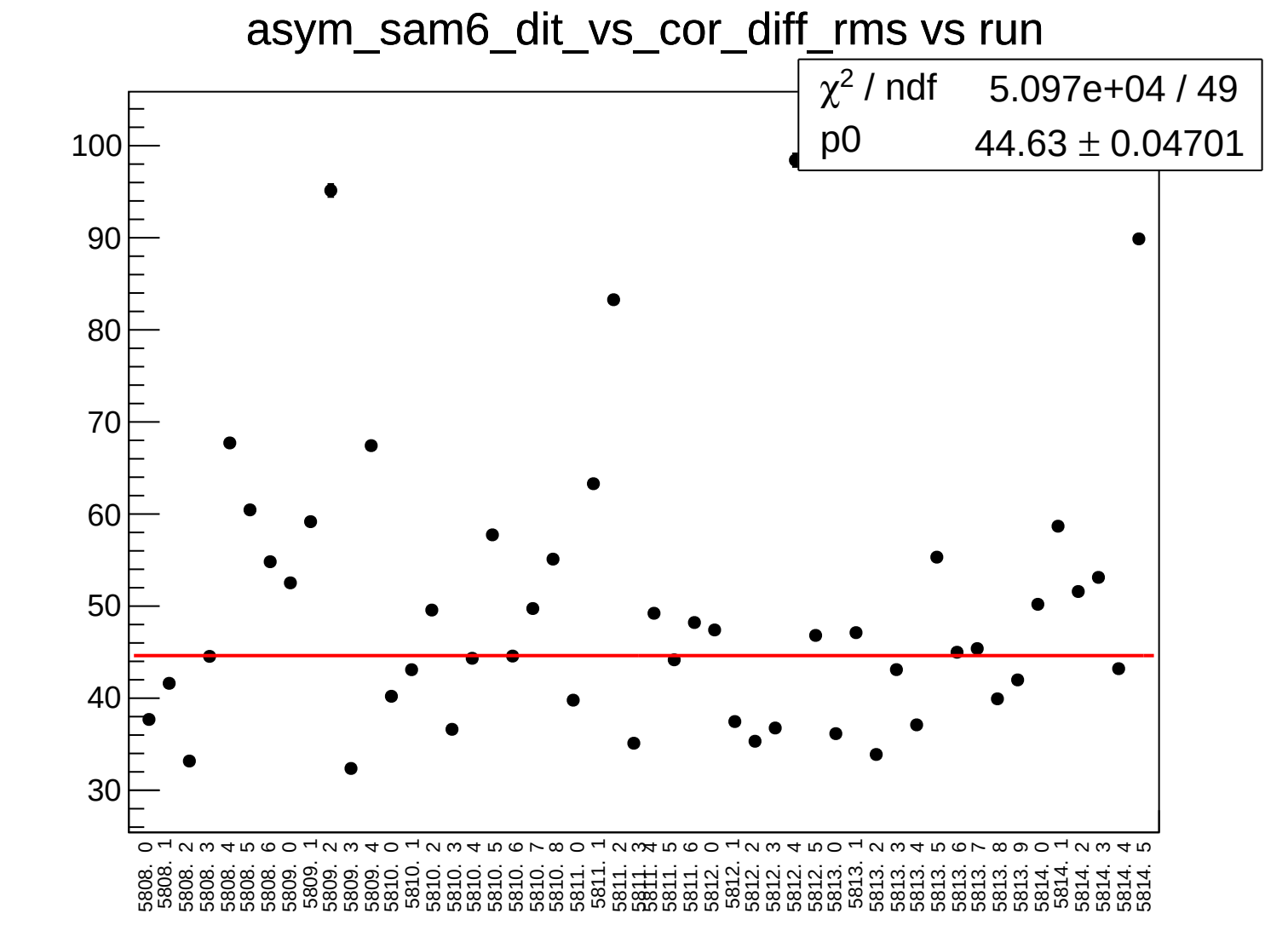
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

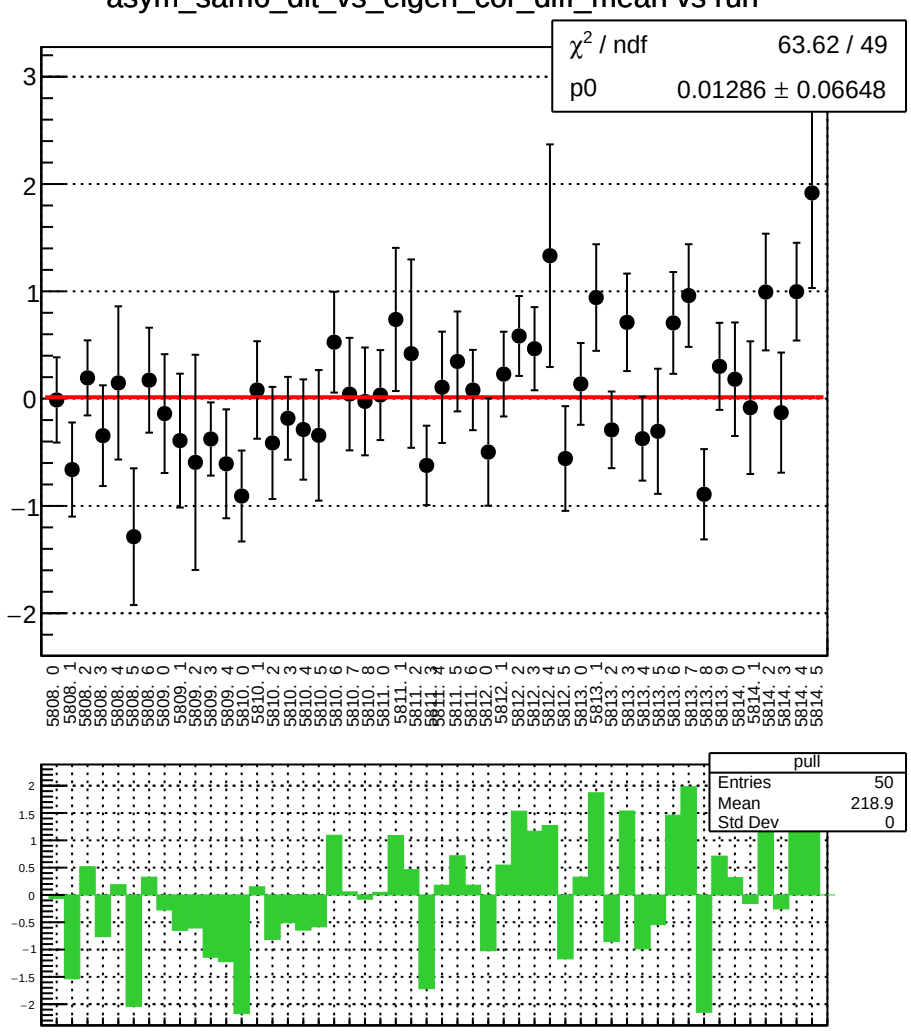

asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 58.37 / 49
p0 4.866e−14 ± 6.504e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 36.98
Std Dev 7.047
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.07146
Std Dev 1.078
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

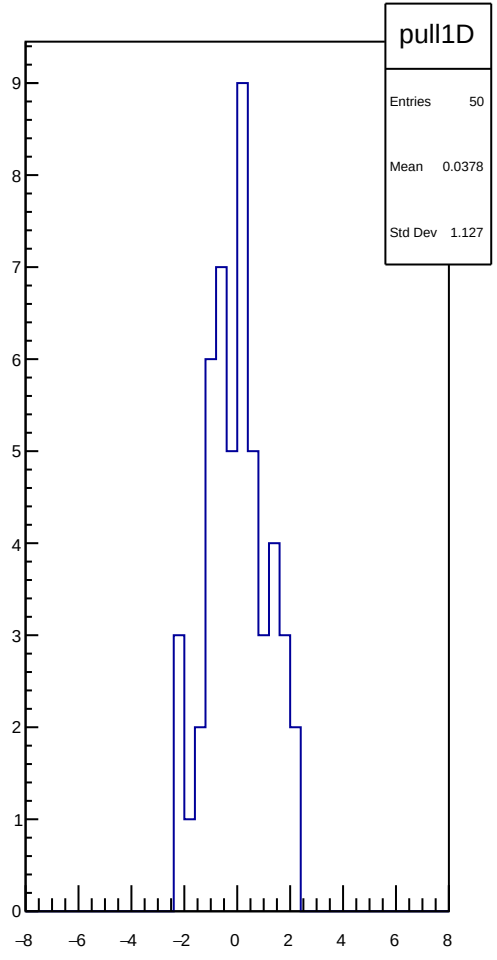

asym_sam6_reg_vs_cor_diff_rms vs run
χ² / ndf 5.777e+05 / 49
p0 2.814e−11 ± 4.599e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

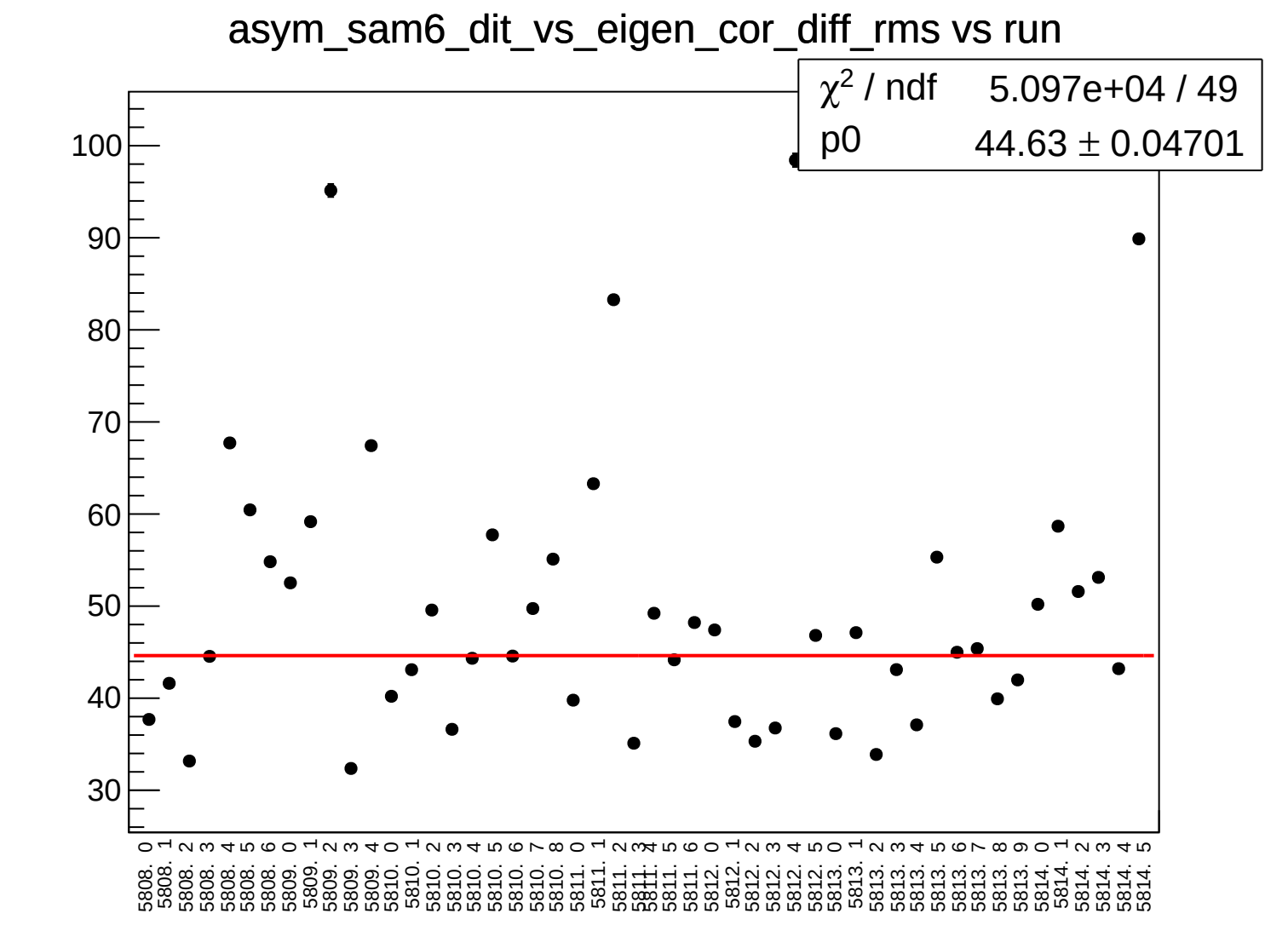

asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 63.62 / 49
p0 0.01286 ± 0.06648
pull
Entries 50
Mean 218.9
Std Dev 0

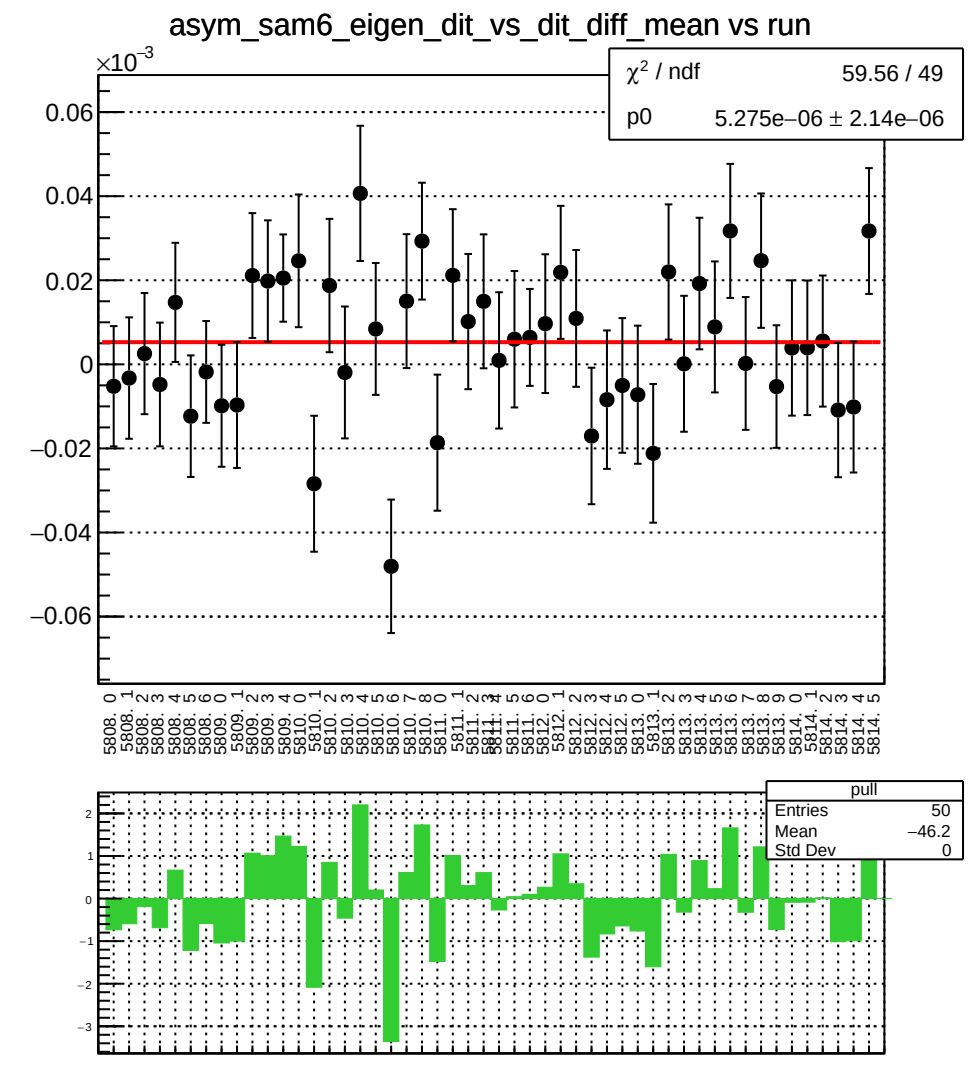

pull1D
Entries 50
Mean 0.0378
Std Dev 1.127

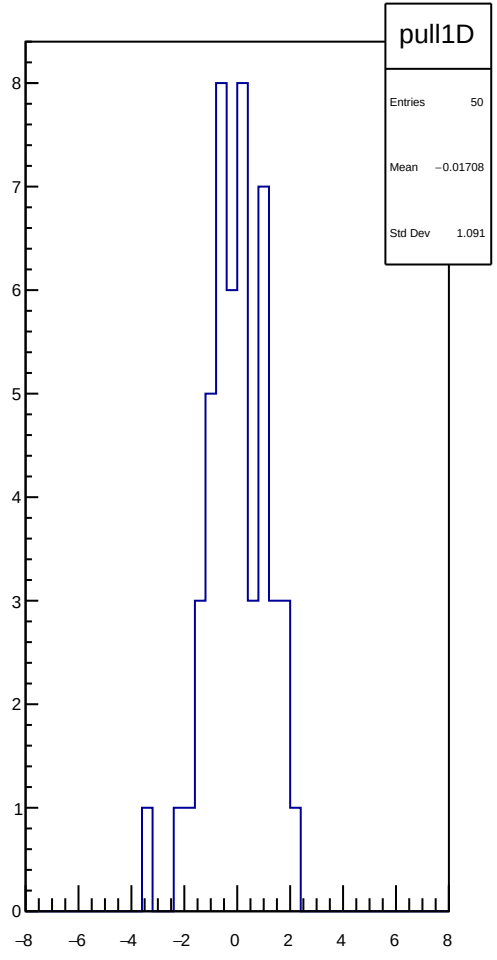

asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 5.097e+04 / 49
p0 44.63 ± 0.04701
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

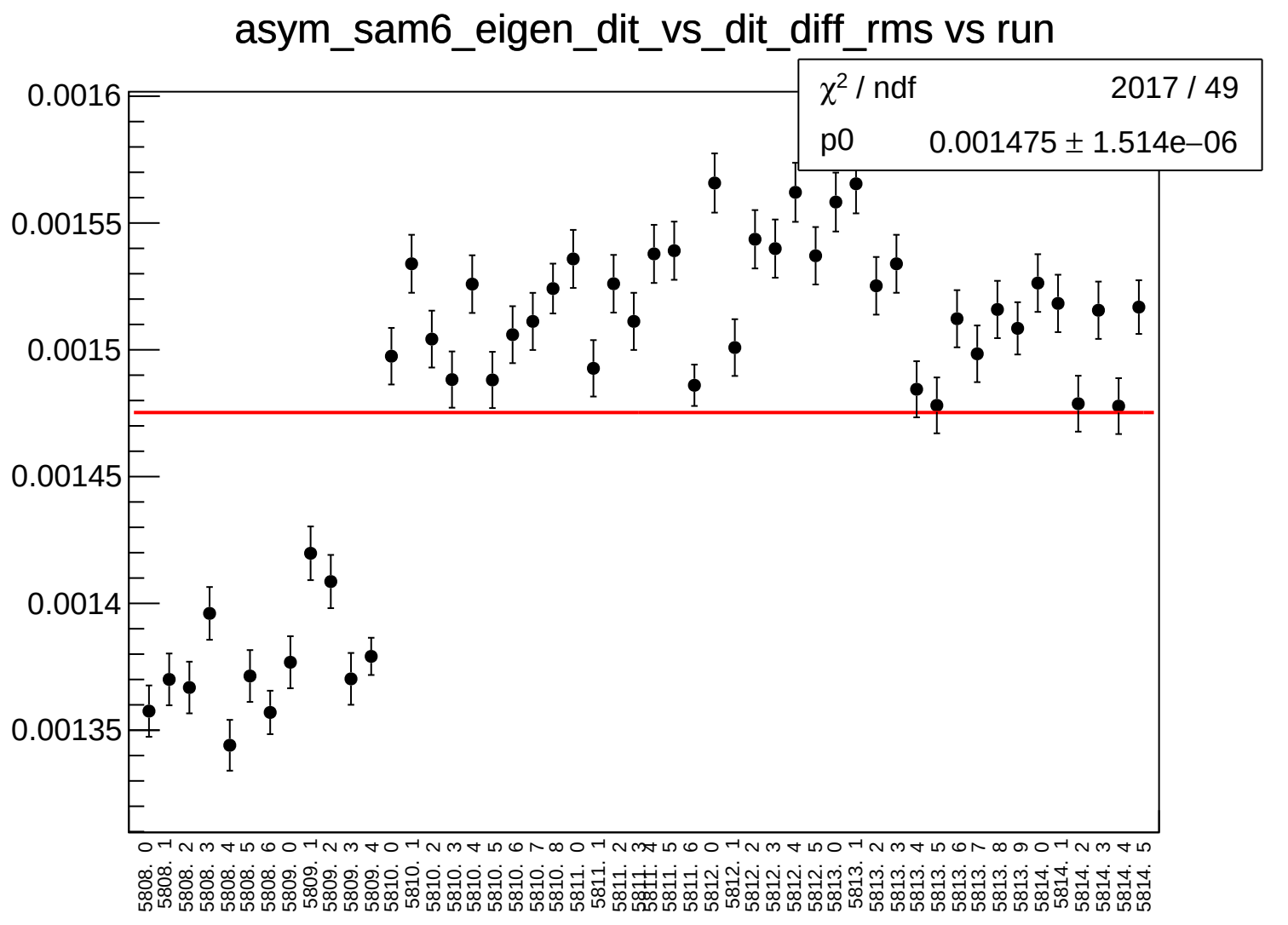

asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.62 / 49
p0 0.01286 ± 0.06648
pull
Entries 50
Mean 218.9
Std Dev 0

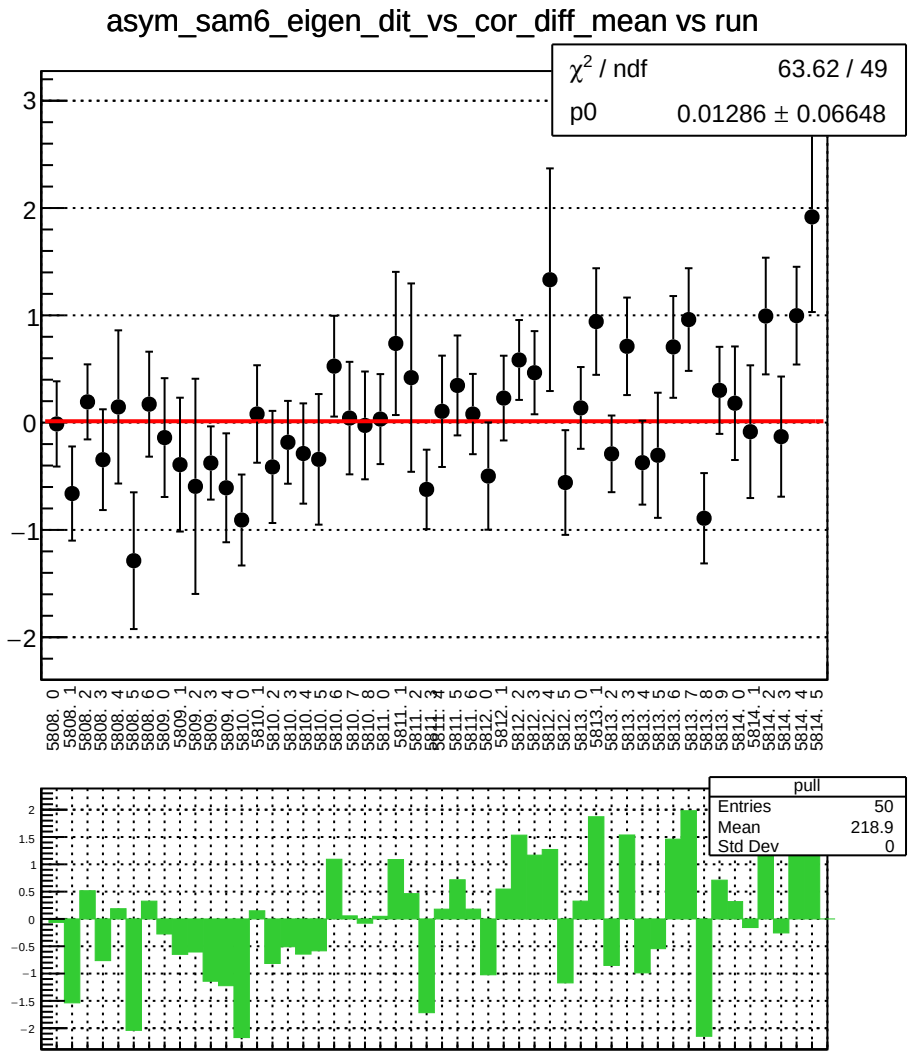

pull1D
Entries 50
Mean 0.0378
Std Dev 1.127

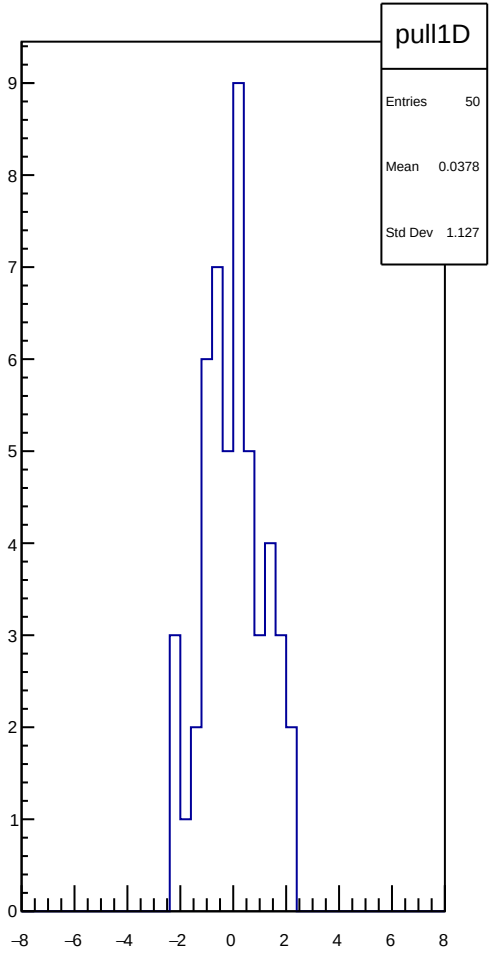

asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.097e+04 / 49
p0 44.63 ± 0.04701
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

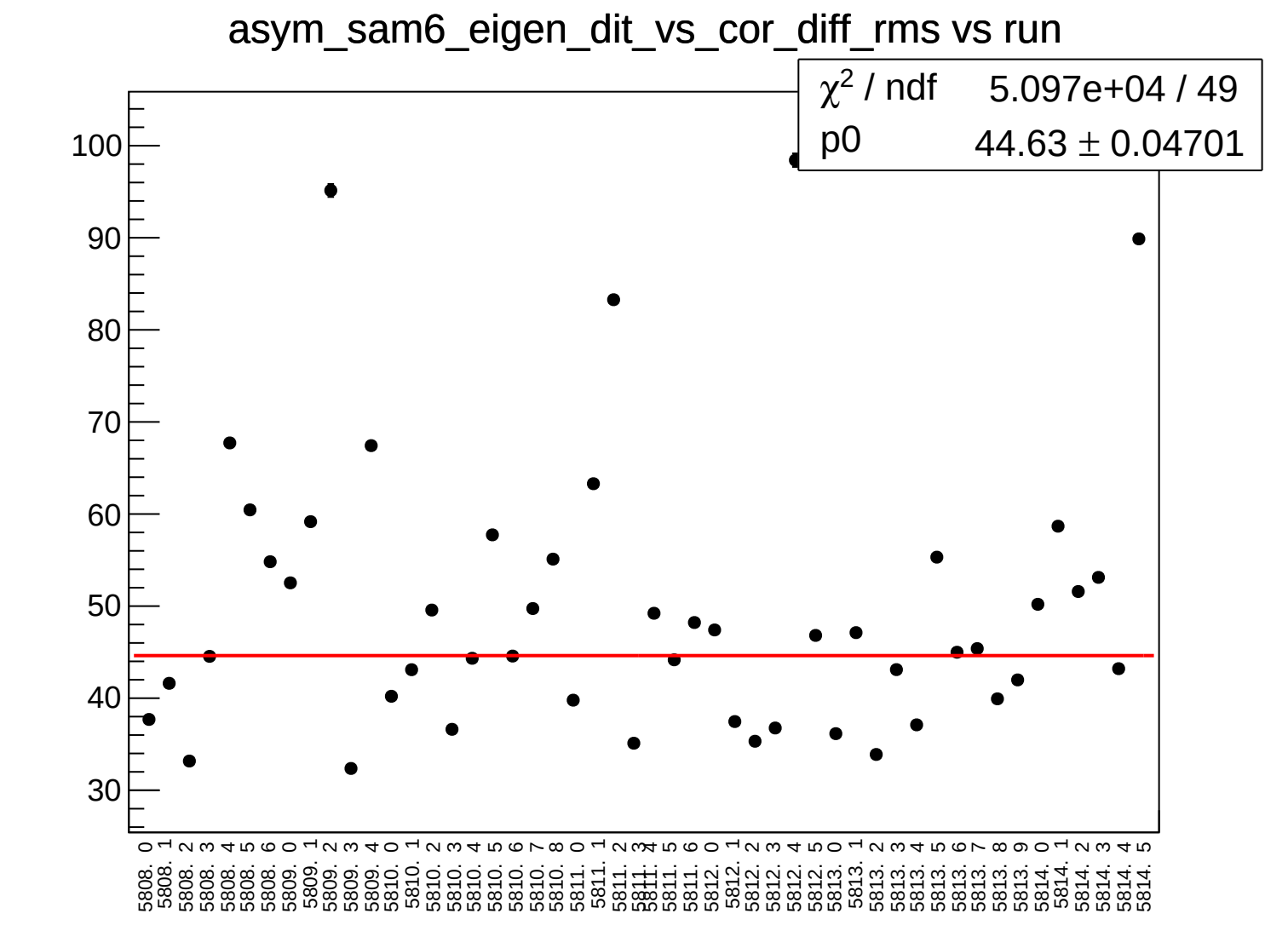

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.56 / 49
p0 5.275e−06 ± 2.14e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −46.2
Std Dev 0
2
1
0
−1
−2
−3

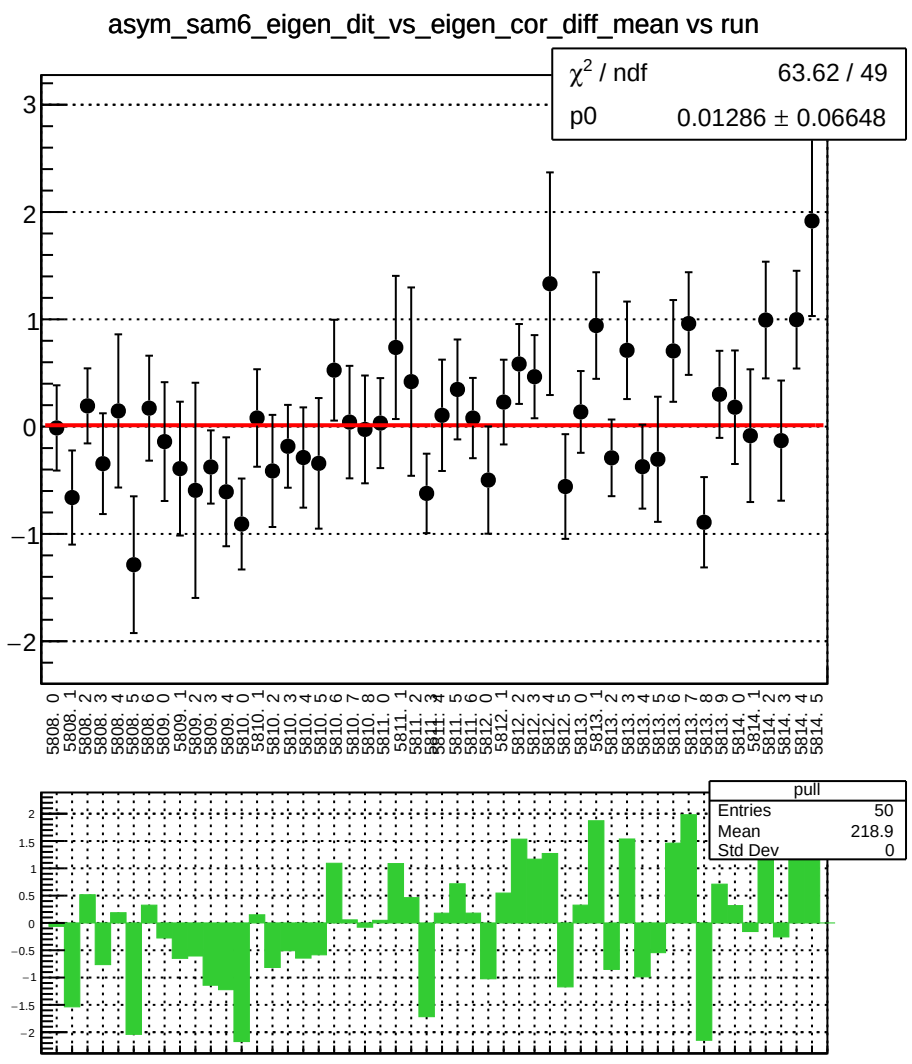

pull1D
Entries 50
Mean −0.01708
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

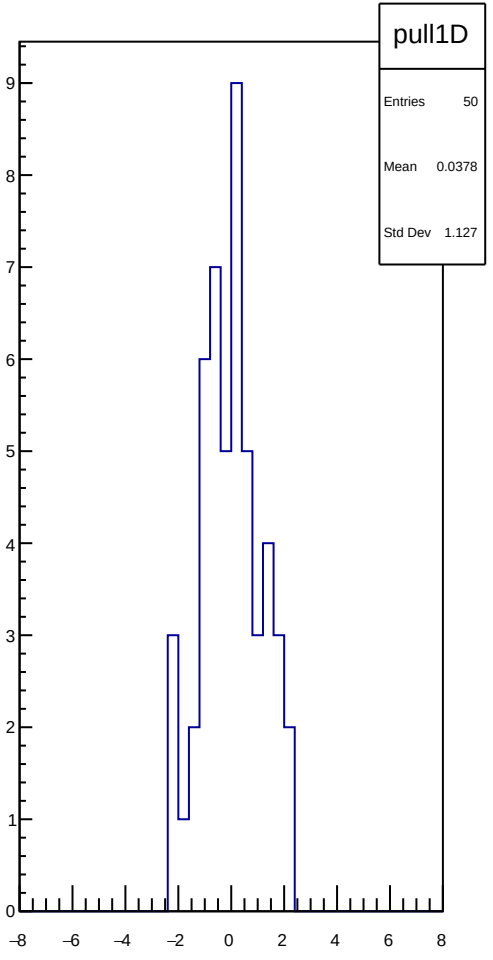

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2017 / 49
p0 0.001475 ± 1.514e−06
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

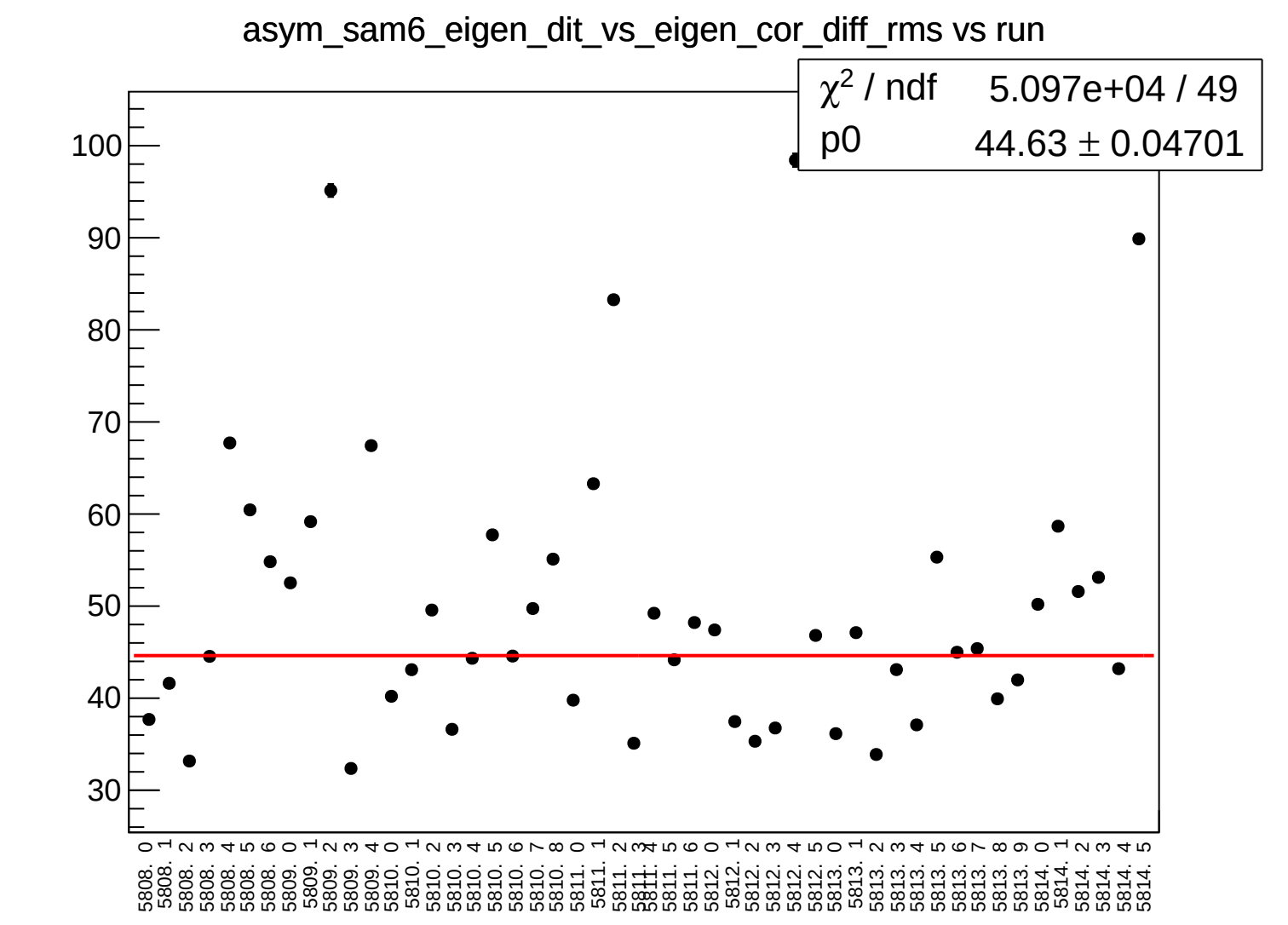

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 63.62 / 49
p0 0.01286 ± 0.06648
pull
Entries 50
Mean 218.9
Std Dev 0

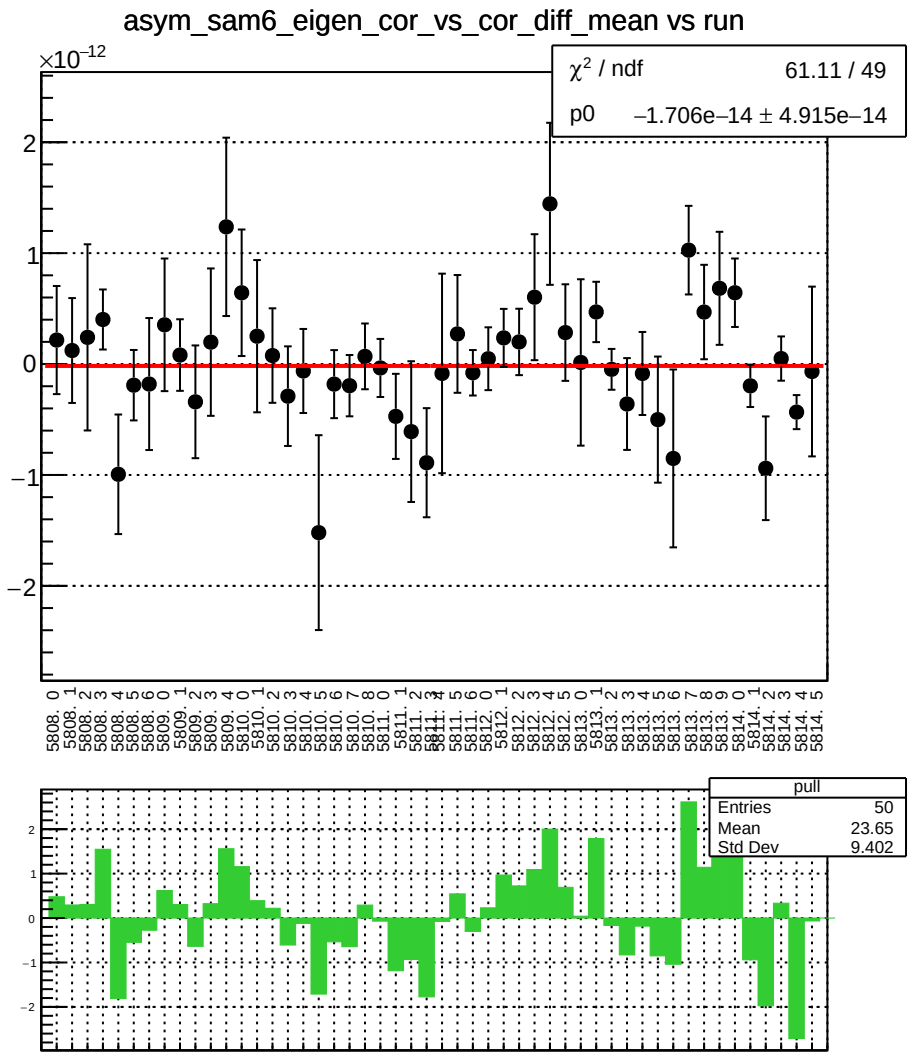

pull1D
Entries 50
Mean 0.0378
Std Dev 1.127

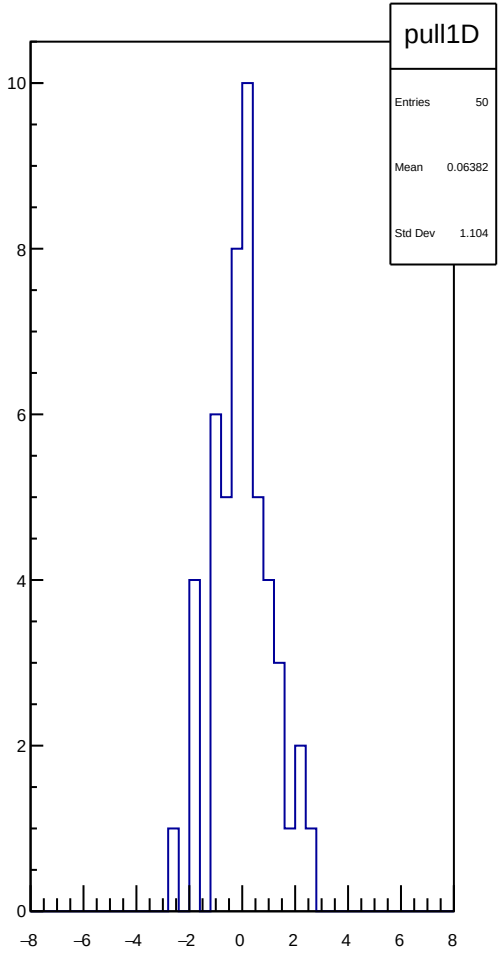

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.097e+04 / 49
p0 44.63 ± 0.04701
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

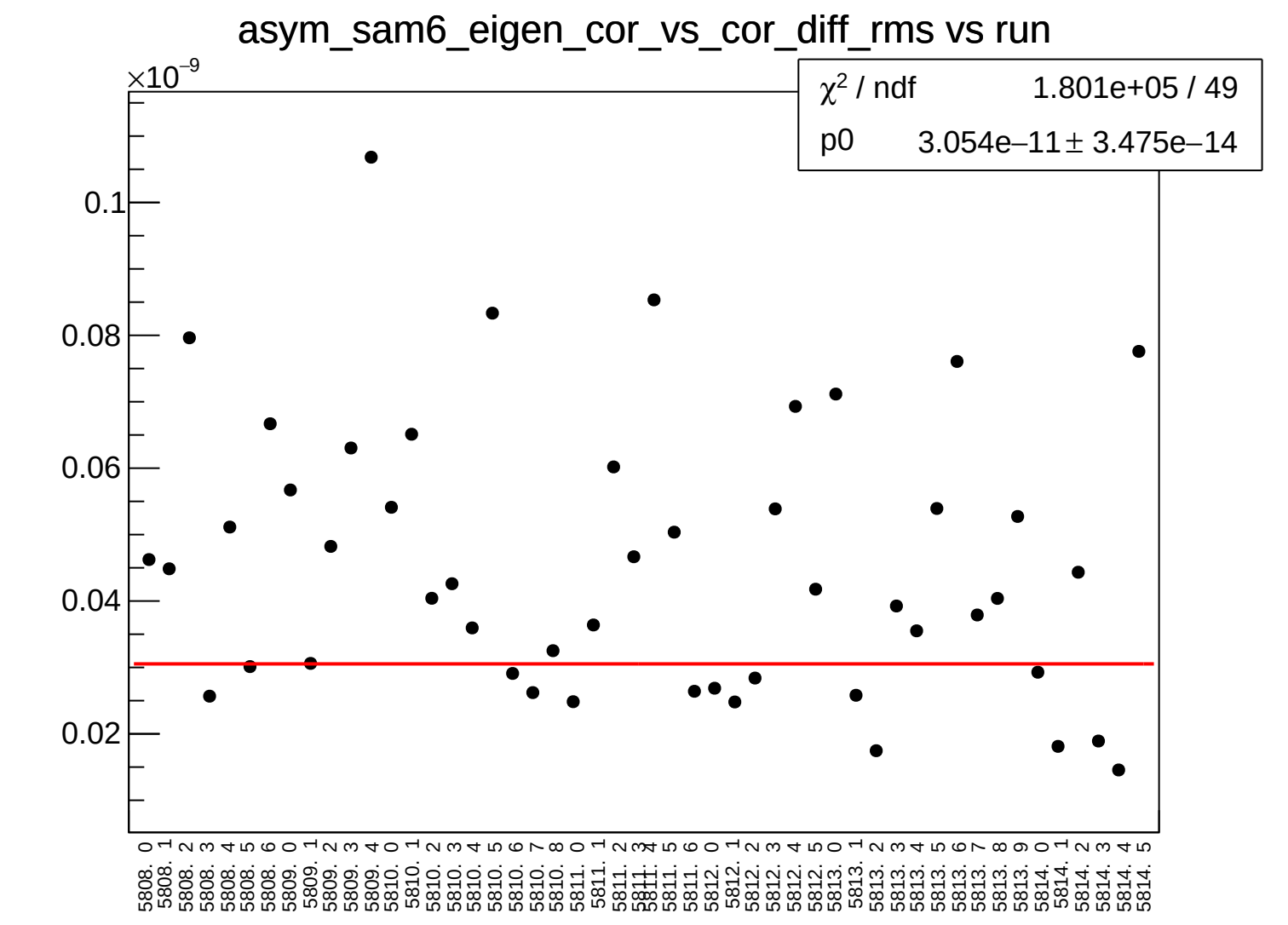

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 63.62 / 49
p0 0.01286 ± 0.06648
pull
Entries 50
Mean 218.9
Std Dev 0

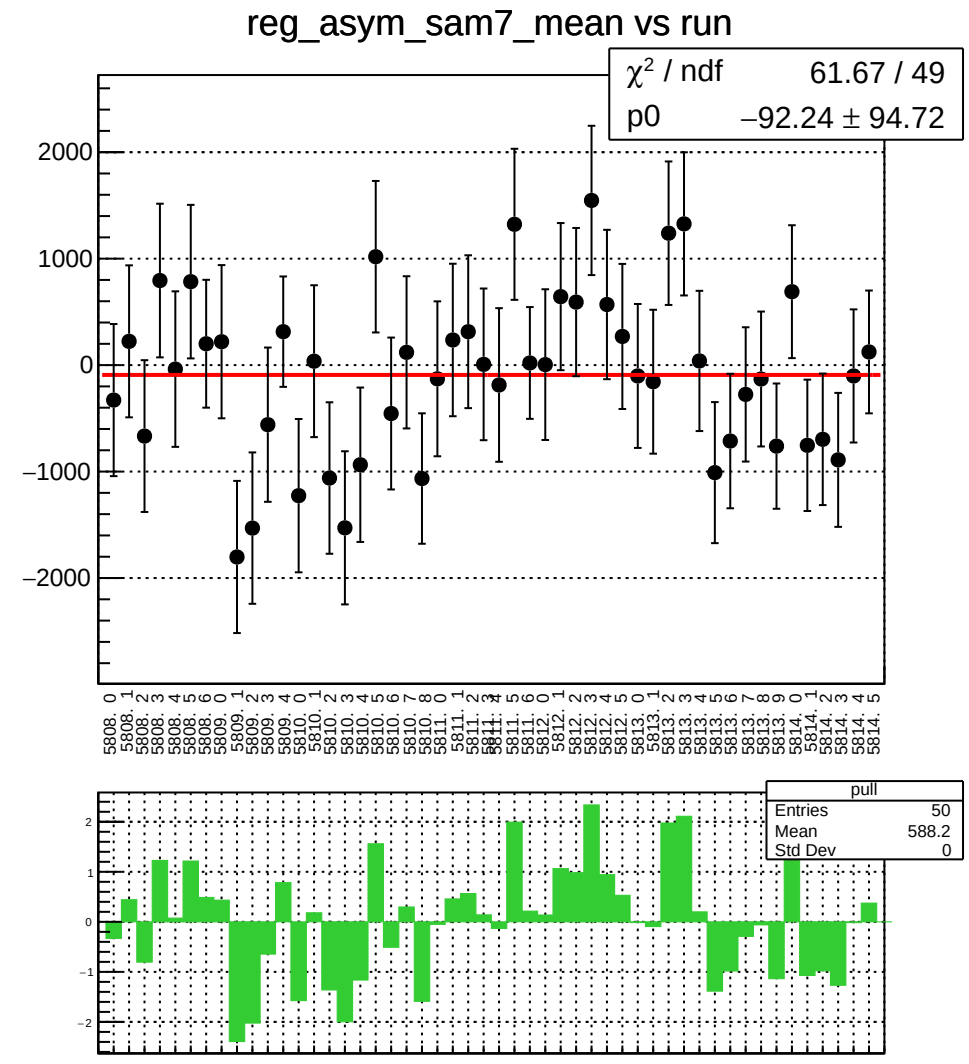

pull1D
Entries 50
Mean 0.0378
Std Dev 1.127

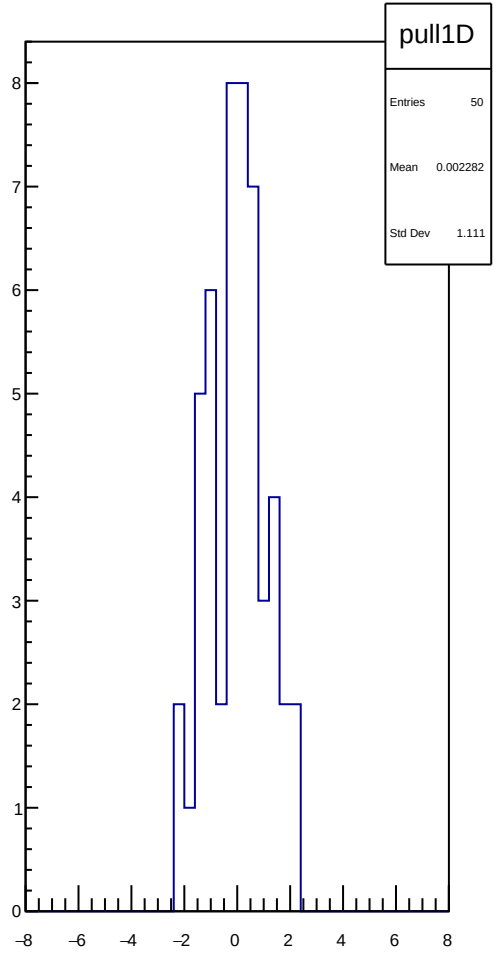

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.097e+04 / 49
p0 44.63 ± 0.04701
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

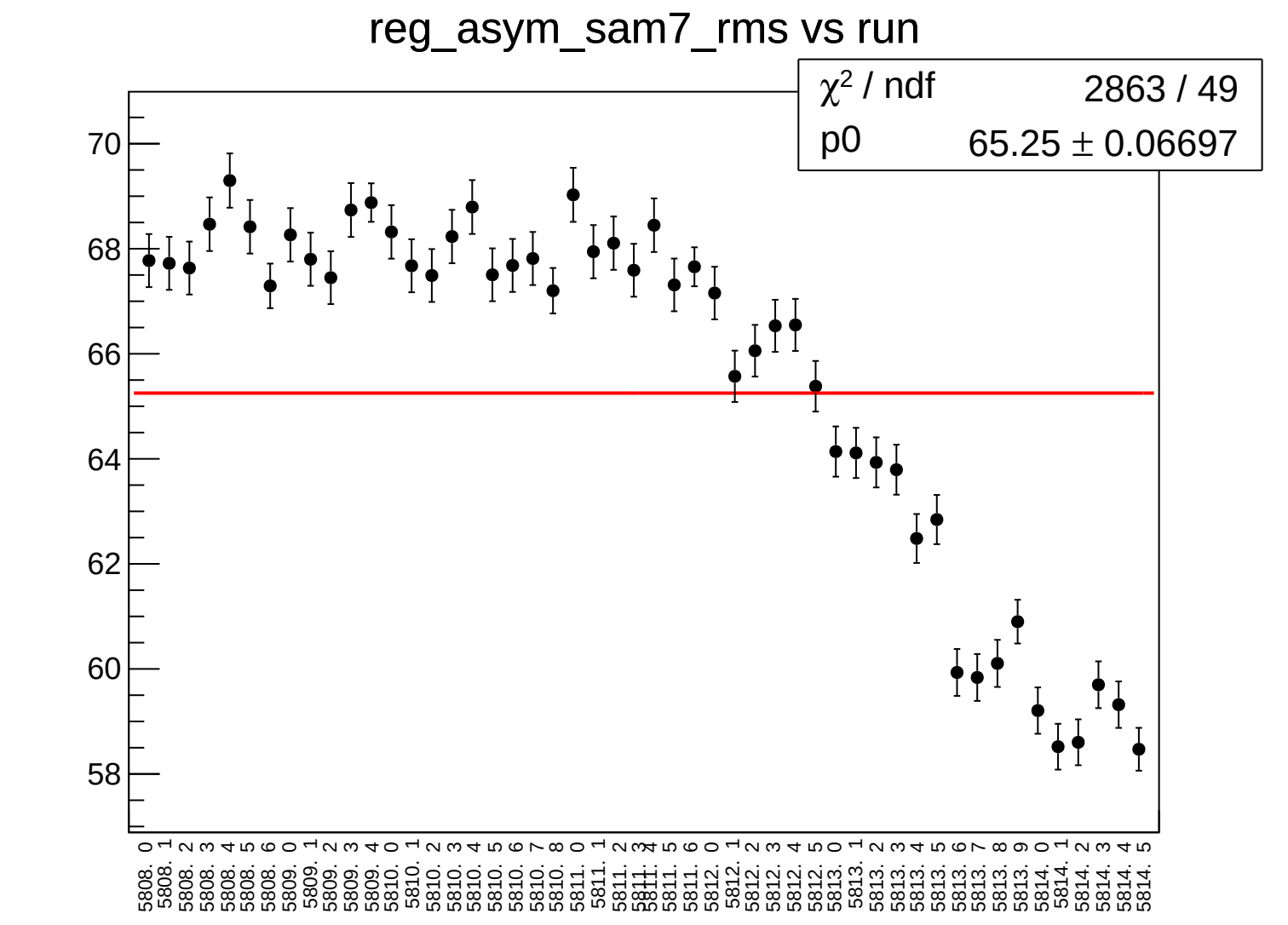

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 61.11 / 49
p0 −1.706e−14 ± 4.915e−14
pull
Entries 50
Mean 23.65
Std Dev 9.402


pull1D
Entries 50
Mean 0.06382
Std Dev 1.104


asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.801e+05 / 49
p0 3.054e−11 ± 3.475e−14
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam7_mean vs run
χ² / ndf 61.67 / 49
p0 −92.24 ± 94.72
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 588.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.002282
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam7_rms vs run
χ² / ndf 2863 / 49
p0 65.25 ± 0.06697
70
68
66
64
62
60
58
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5812. 2
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5812. 5
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5813. 2
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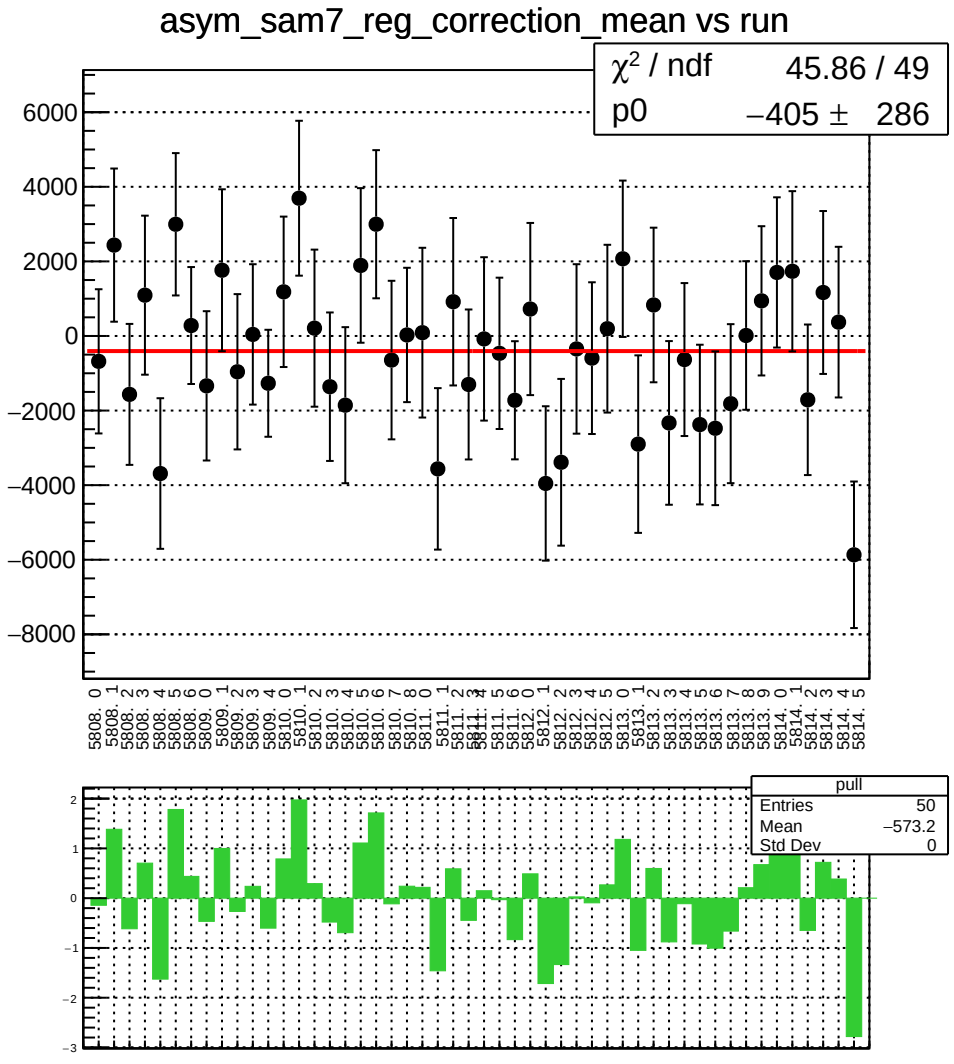
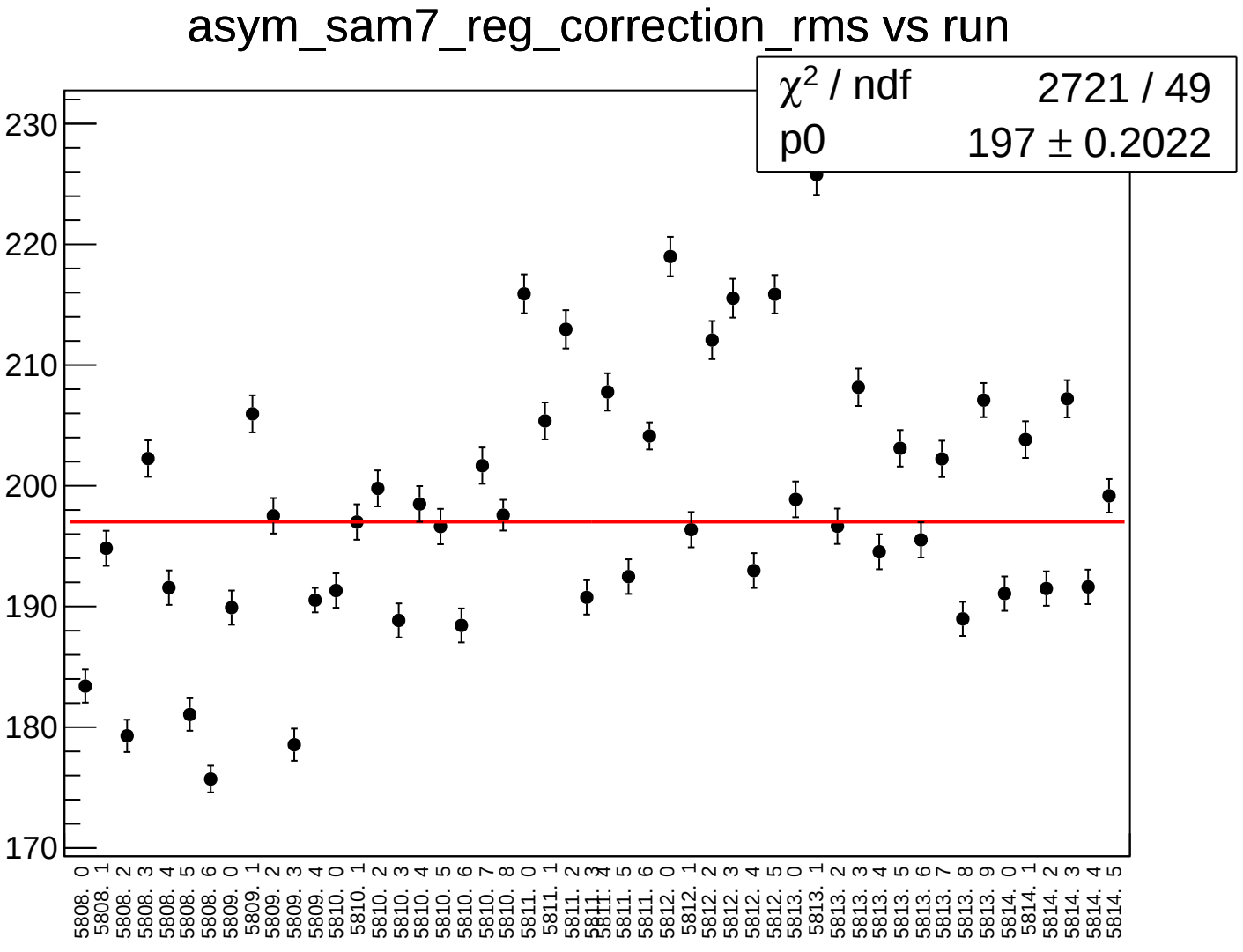
5814. 5


asym_sam7_reg_correction_mean vs run
χ² / ndf 45.86 / 49
p0 −405 ± 286
pull
Entries 50
Mean −573.2
Std Dev 0
pull1D
Entries 50
Mean 0.004711
Std Dev 0.9577


asym_sam7_reg_correction_rms vs run
χ² / ndf 2721 / 49
p0 197 ± 0.2022
230
220
210
200
190
180
170
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
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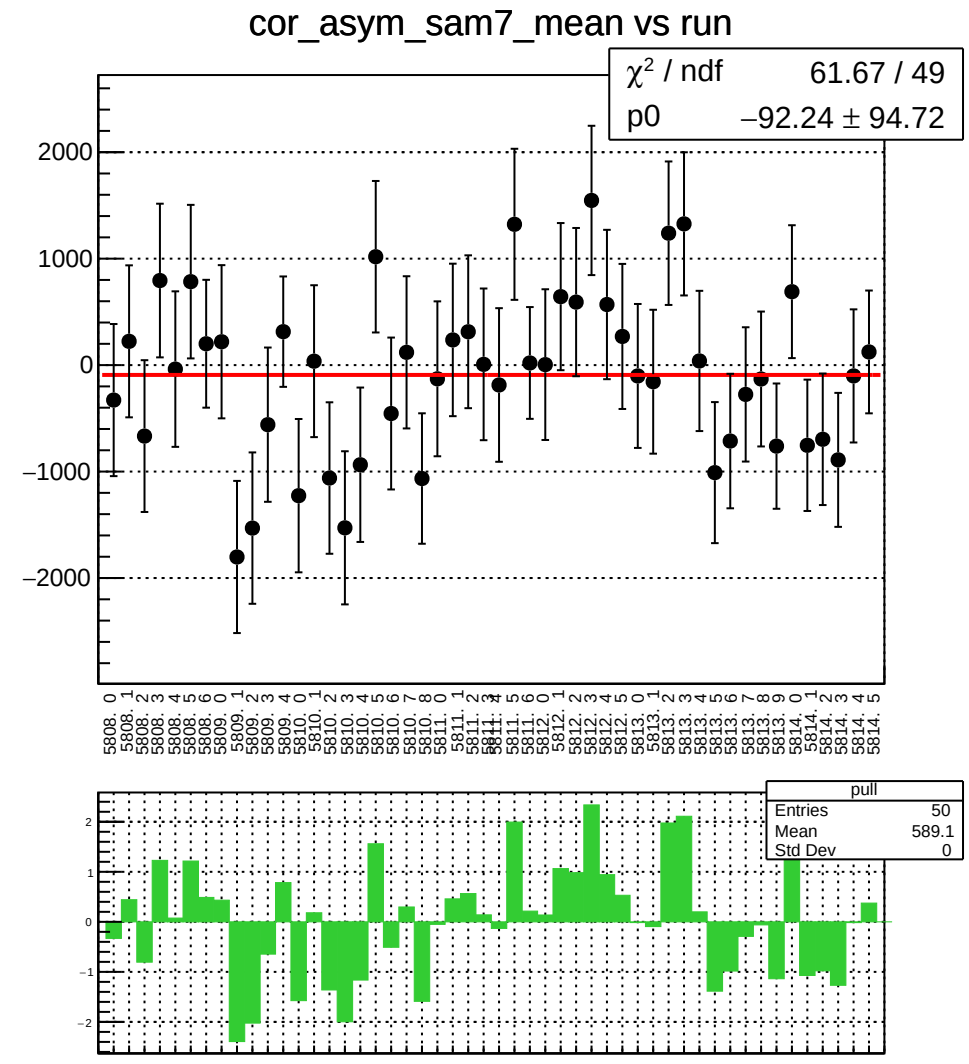
5814. 4
5814. 5


cor_asym_sam7_mean vs run
χ² / ndf 61.67 / 49
p0 −92.24 ± 94.72
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
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5813. 2
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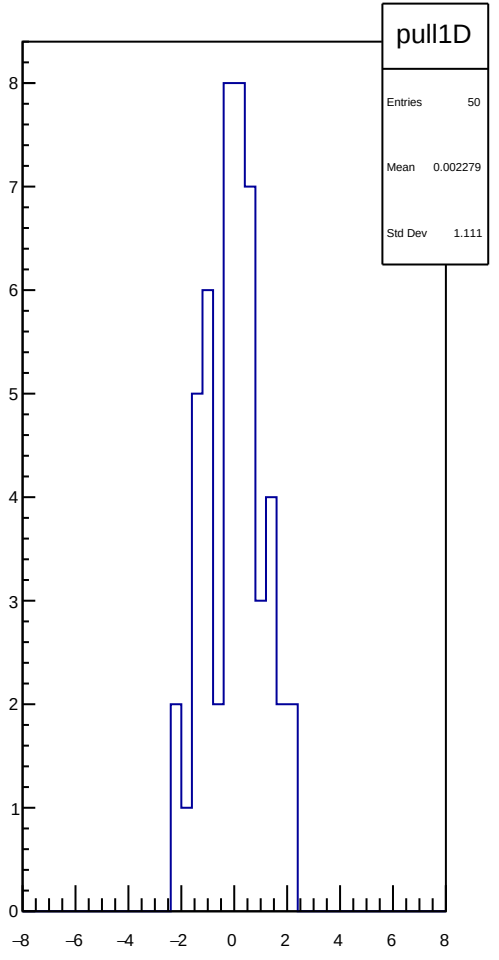
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 589.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.002279
Std Dev 1.111
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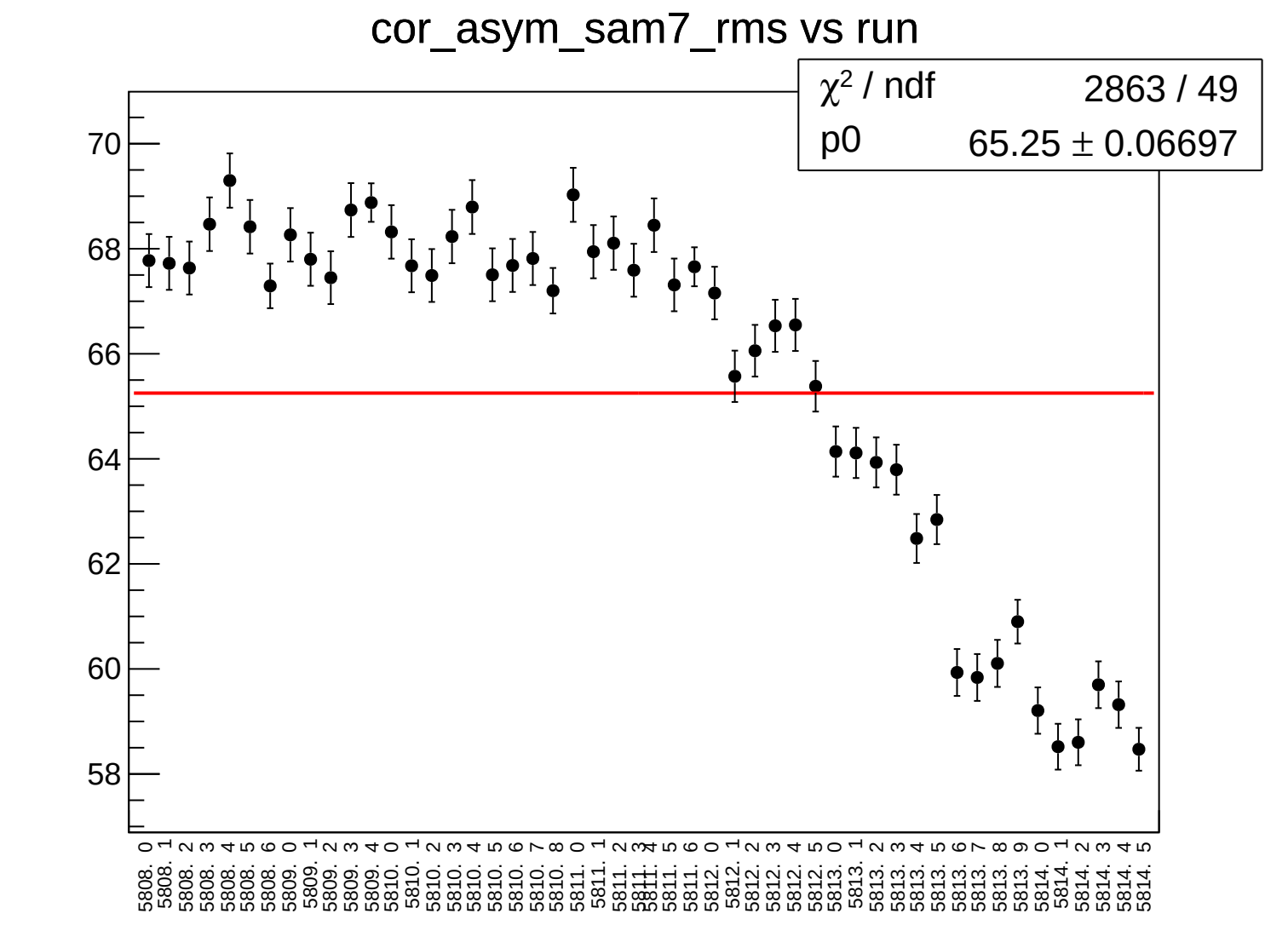
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam7_rms vs run
χ² / ndf 2863 / 49
p0 65.25 ± 0.06697
70
68
66
64
62
60
58
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
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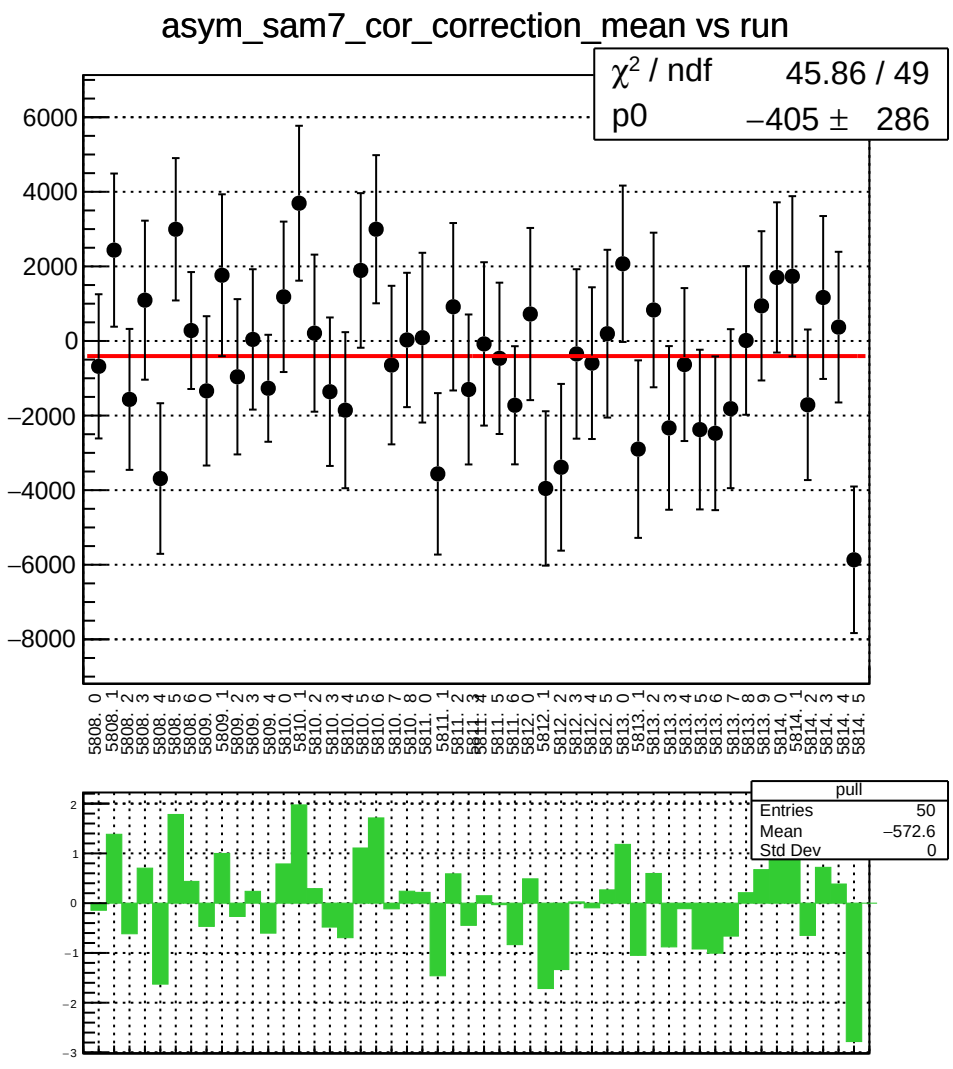
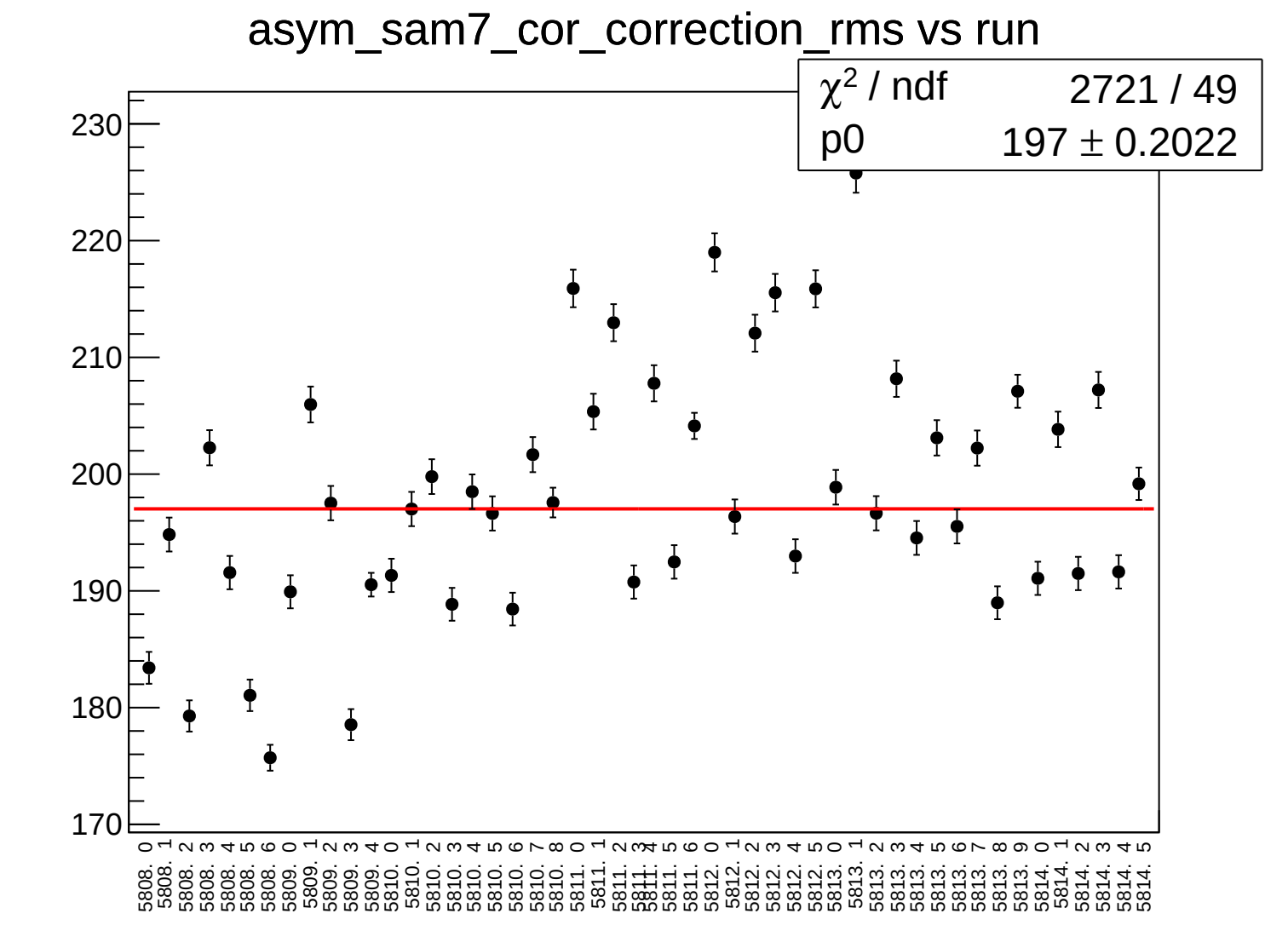

asym_sam7_cor_correction_mean vs run
χ² / ndf 45.86 / 49
p0 −405 ± 286
pull
Entries 50
Mean −572.6
Std Dev 0
pull1D
Entries 50
Mean 0.004715
Std Dev 0.9577


asym_sam7_cor_correction_rms vs run
χ² / ndf 2721 / 49
p0 197 ± 0.2022
230
220
210
200
190
180
170
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
5813. 3
5813. 4
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5814. 2
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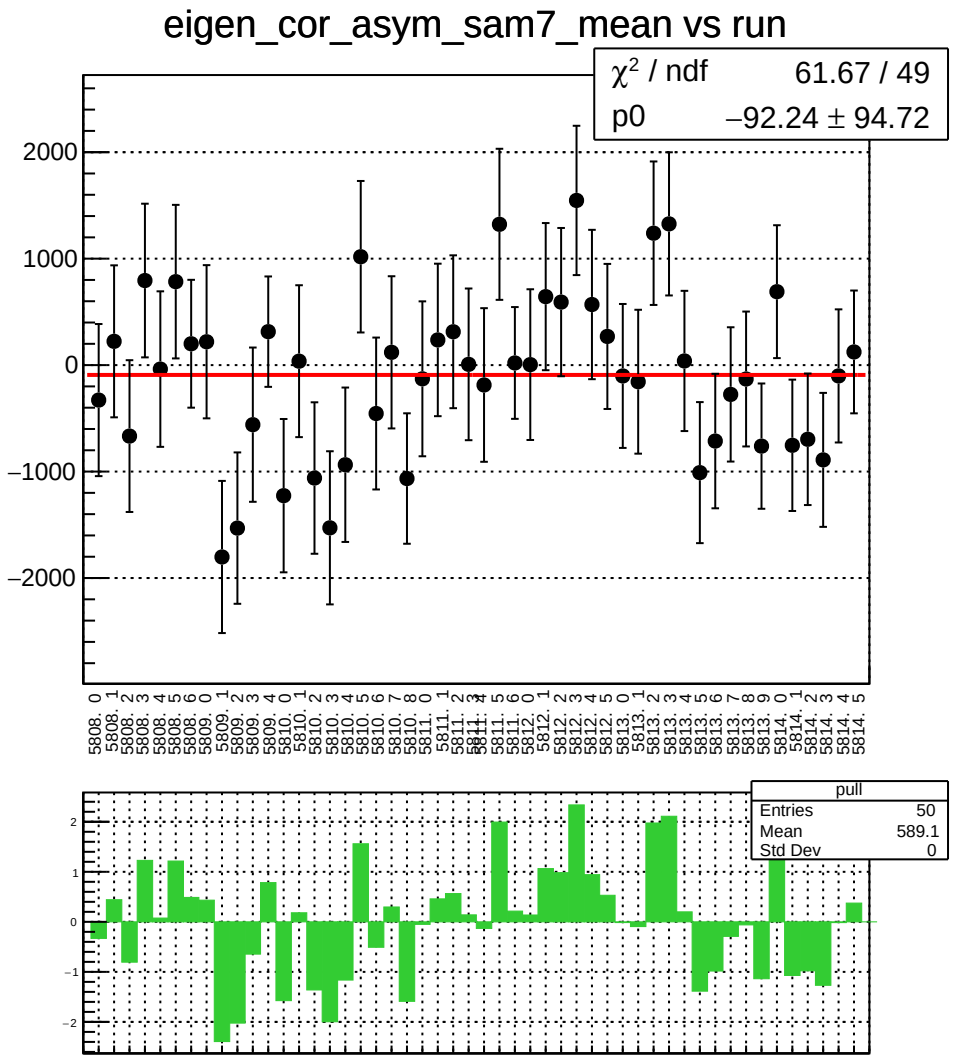
5814. 5


eigen_cor_asym_sam7_mean vs run
χ² / ndf 61.67 / 49
p0 −92.24 ± 94.72
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 589.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.002279
Std Dev 1.111
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7
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1
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−4
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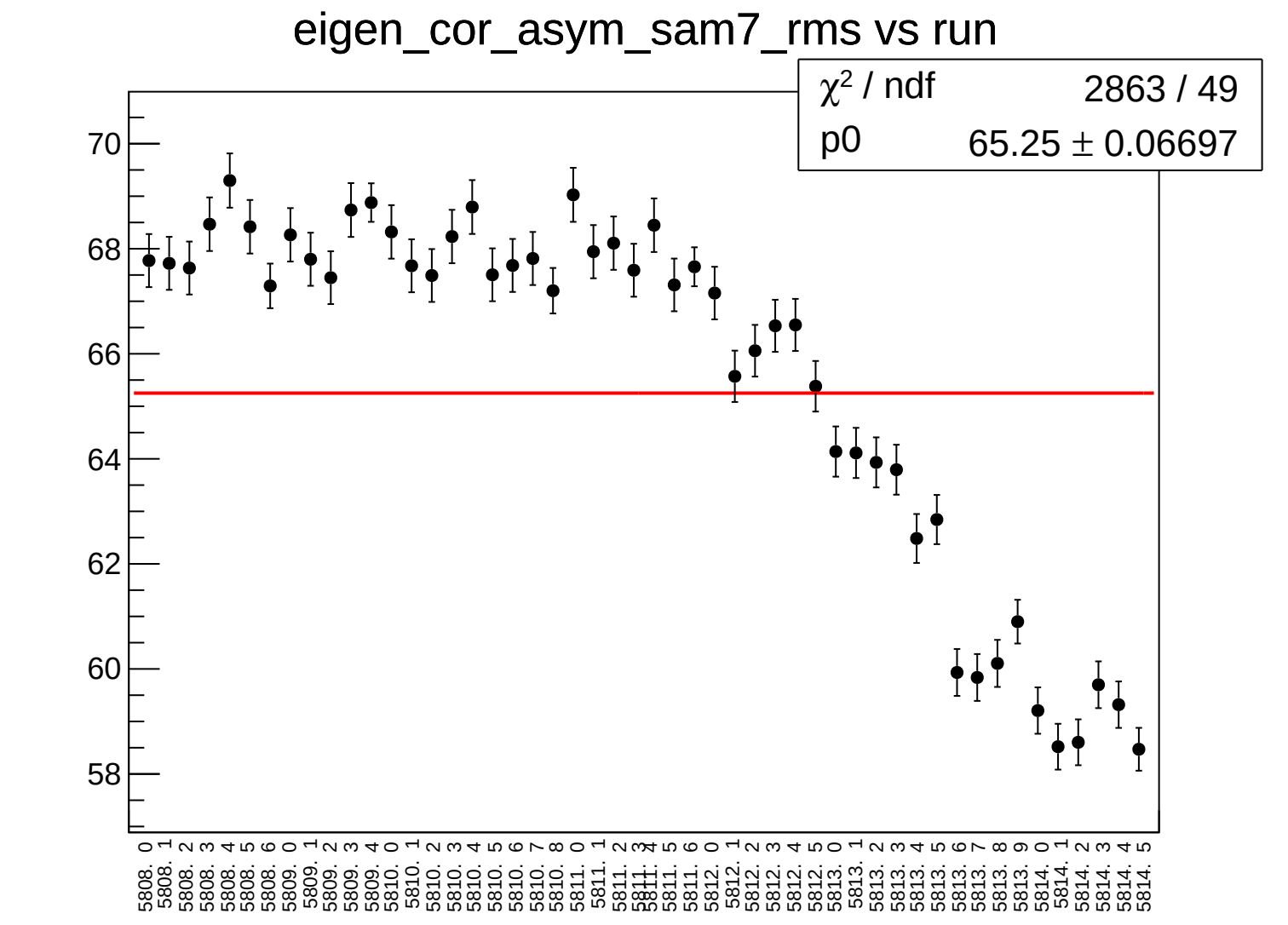
2
4
6
8


eigen_cor_asym_sam7_rms vs run
χ² / ndf 2863 / 49
p0 65.25 ± 0.06697
70
68
66
64
62
60
58
5808. 0
5808. 1
5808. 2
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5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
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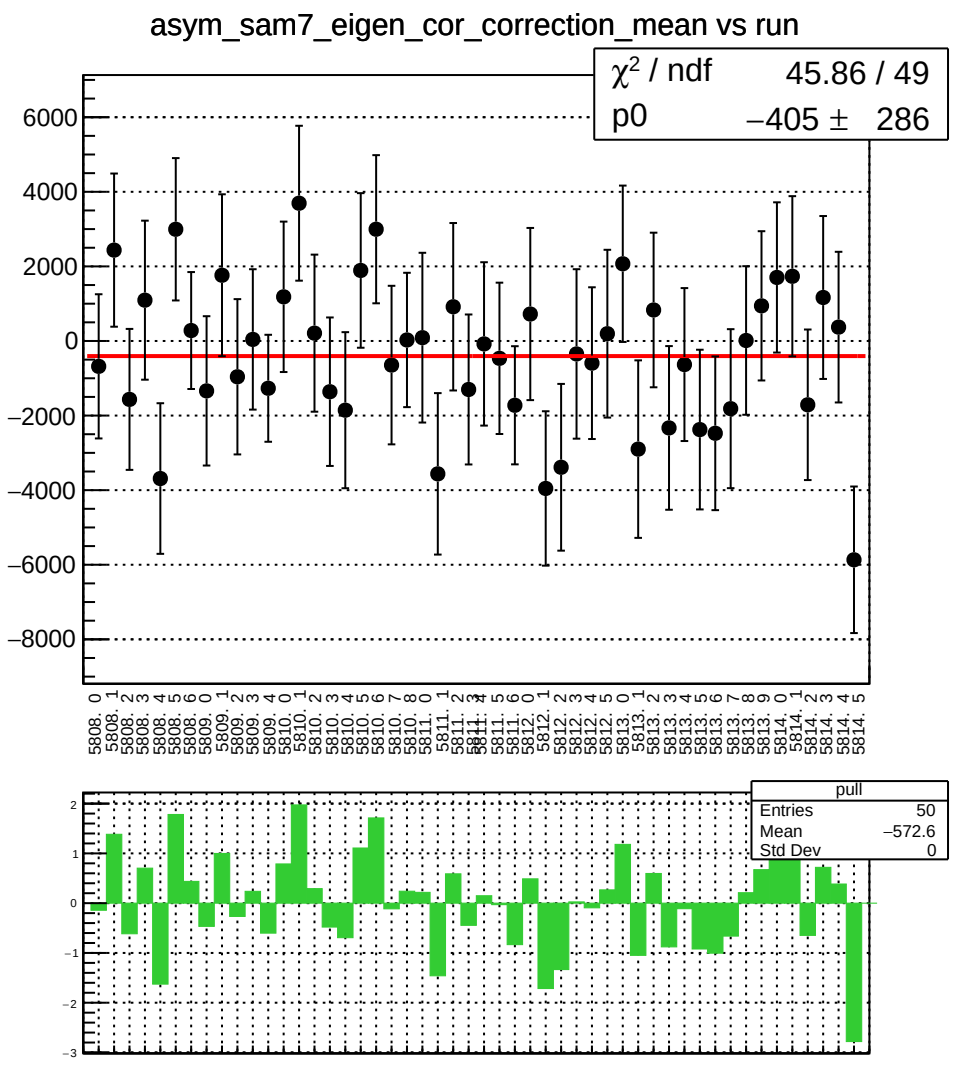
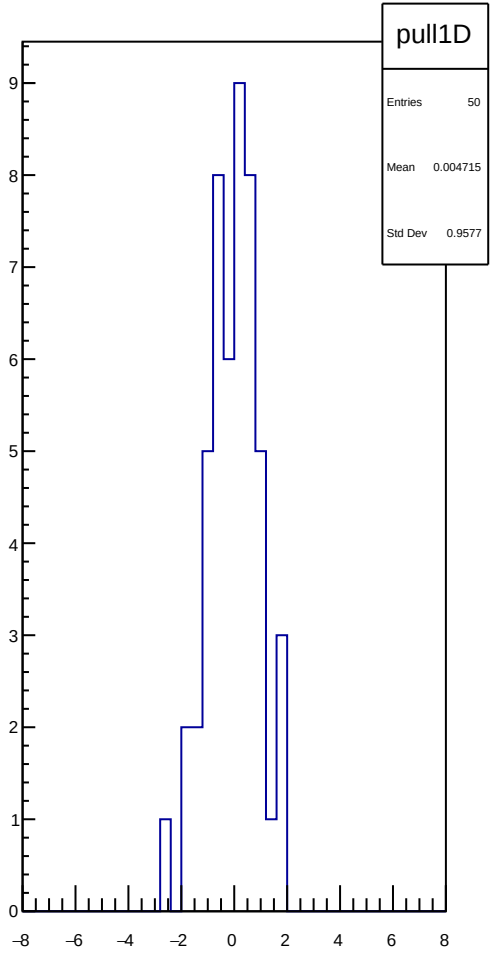
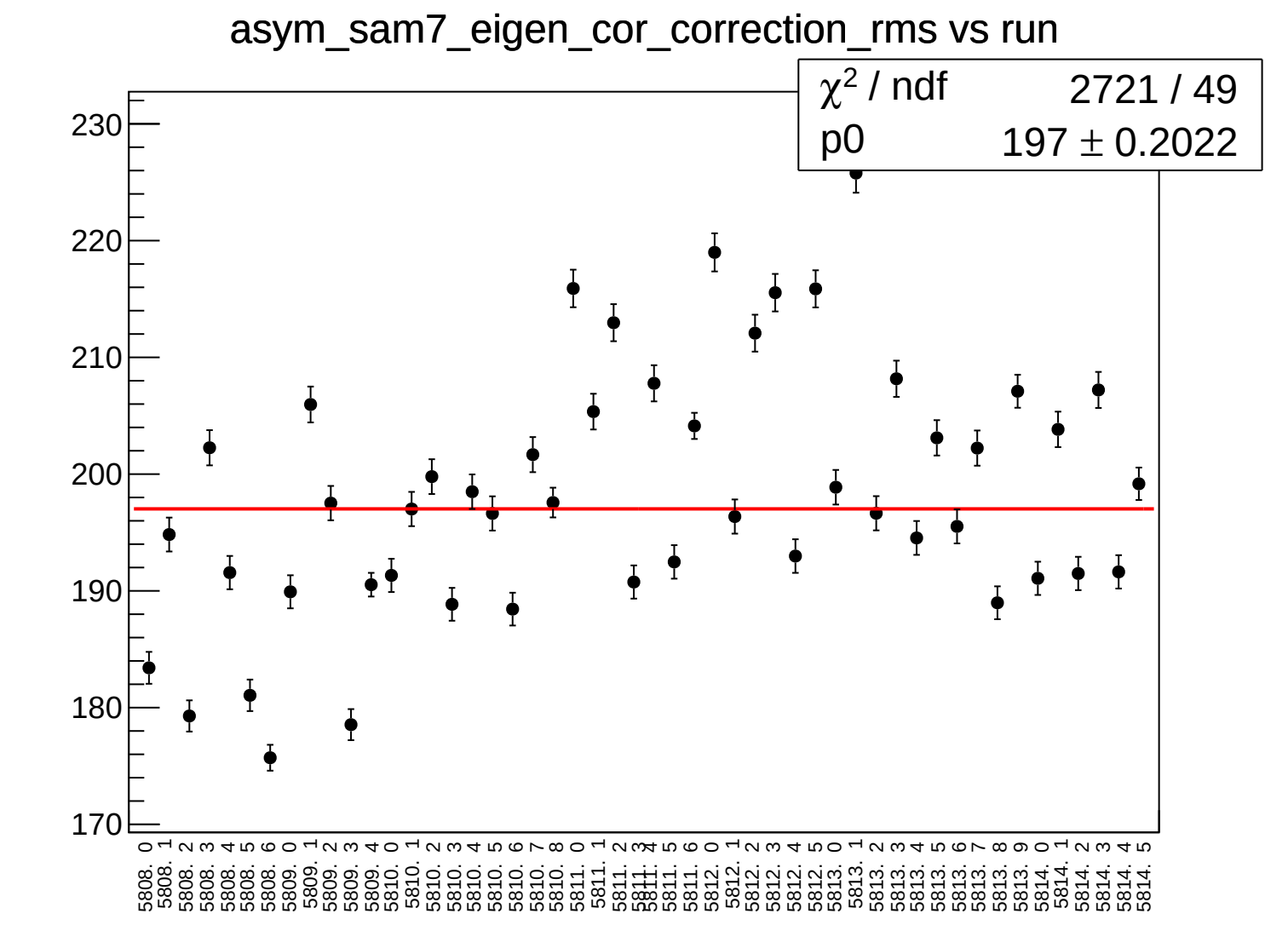

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 45.86 / 49
p0 −405 ± 286
pull
Entries 50
Mean −572.6
Std Dev 0


pull1D
Entries 50
Mean 0.004715
Std Dev 0.9577


asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 2721 / 49
p0 197 ± 0.2022
230
220
210
200
190
180
170
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 5
5808. 6
5809. 0
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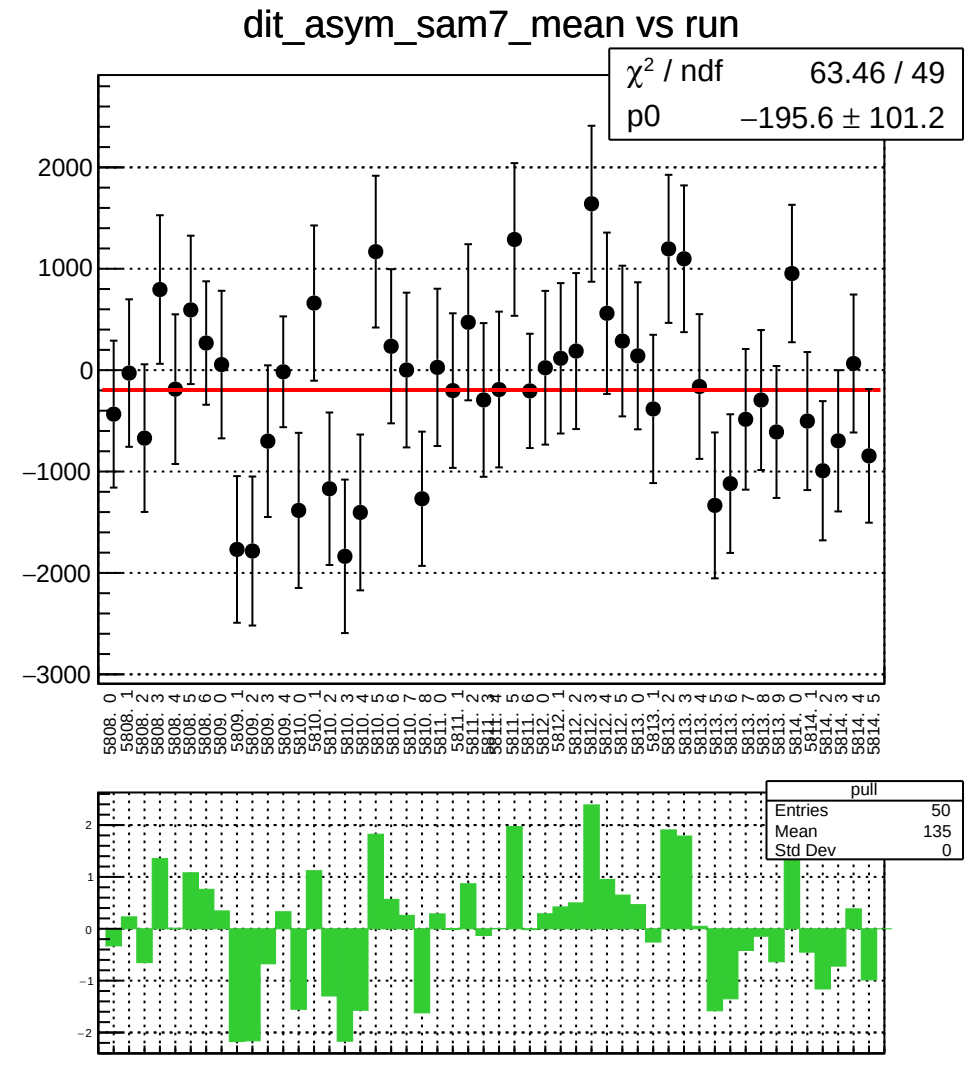
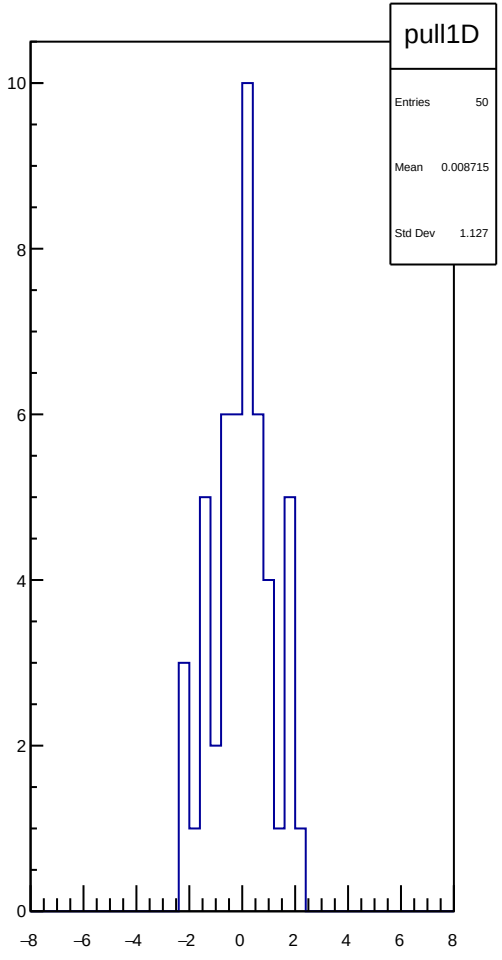
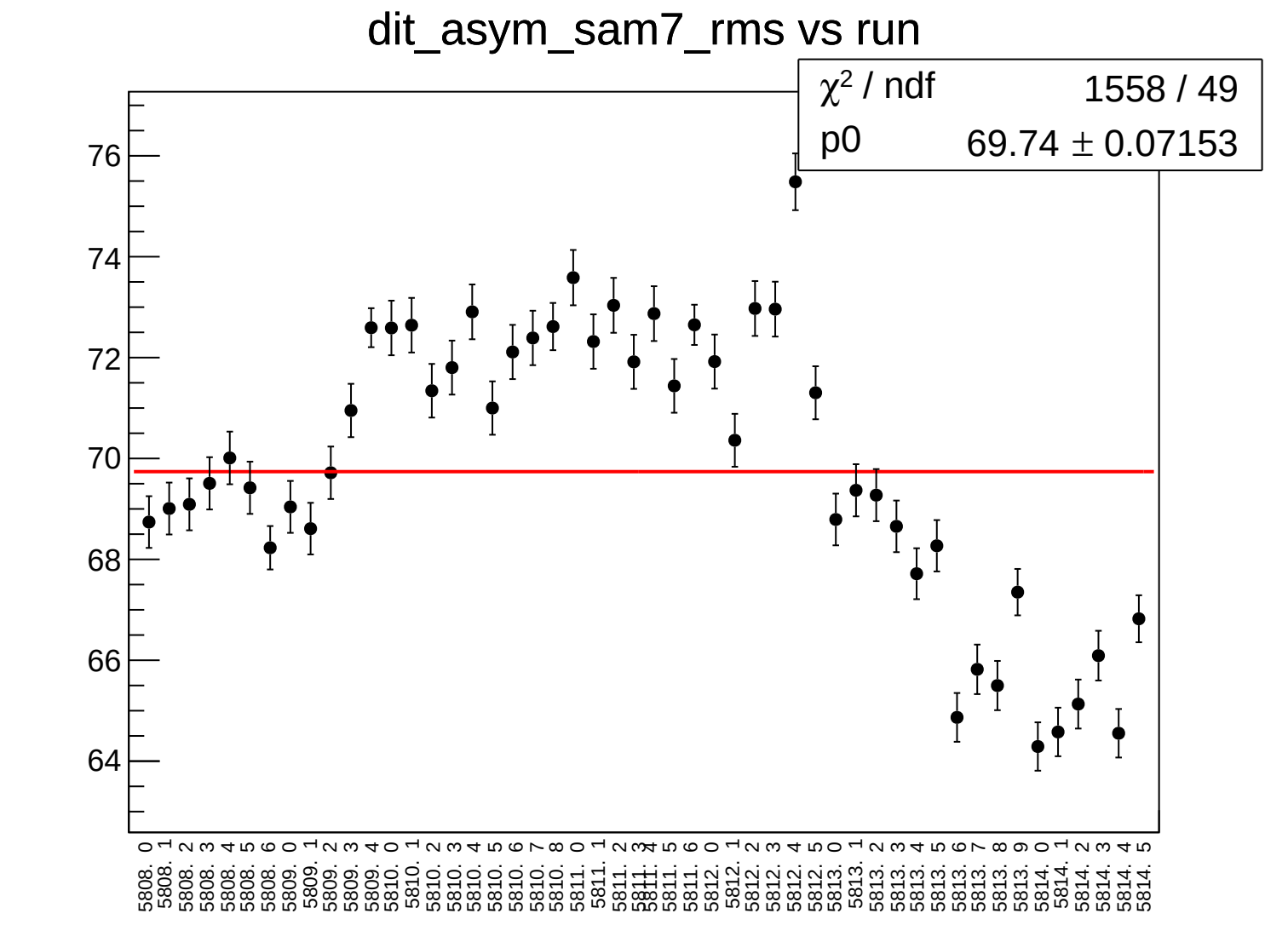

dit_asym_sam7_mean vs run
χ² / ndf 63.46 / 49
p0 −195.6 ± 101.2
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean 135
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.008715
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam7_rms vs run
χ² / ndf 1558 / 49
p0 69.74 ± 0.07153
76
74
72
70
68
66
64
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
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5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
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5812. 2
5812. 3
5812. 4
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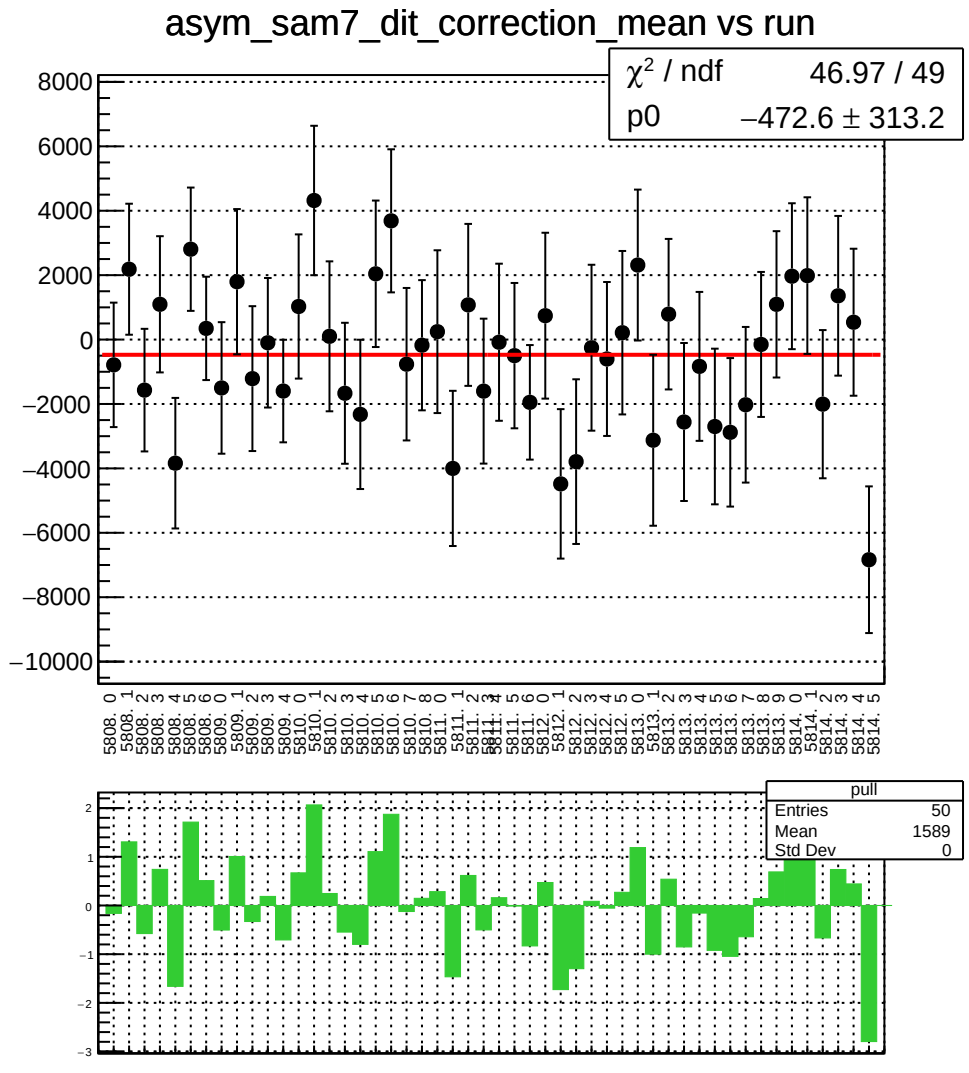
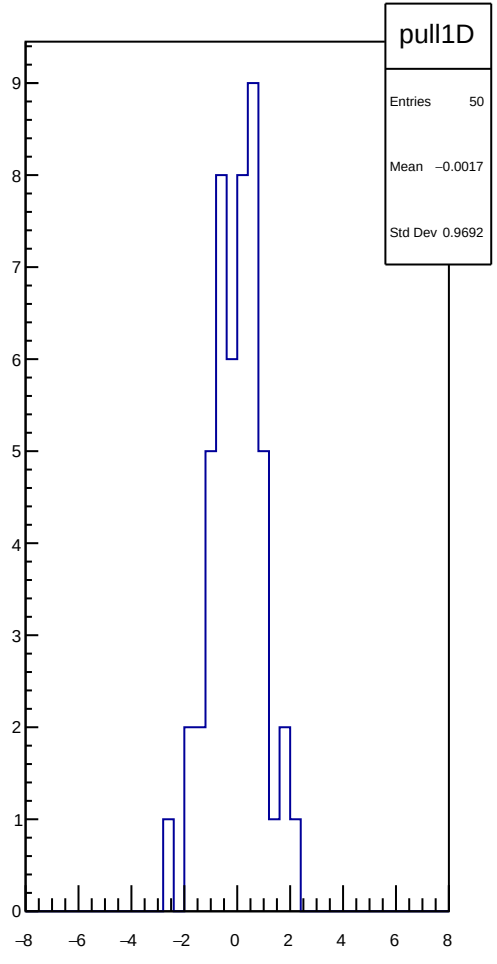
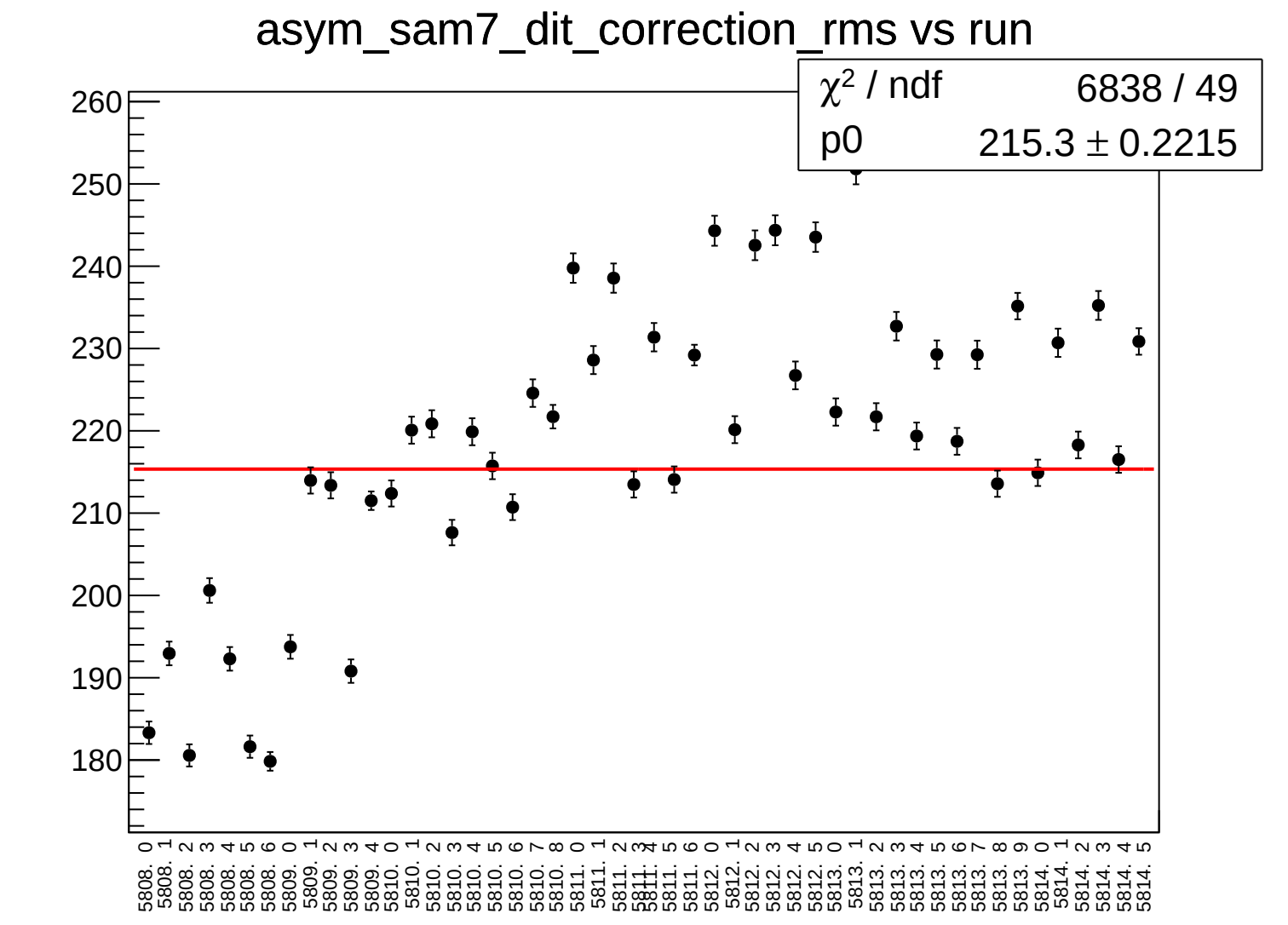
5814. 4
5814. 5


asym_sam7_dit_correction_mean vs run
χ² / ndf 46.97 / 49
p0 −472.6 ± 313.2
pull
Entries 50
Mean 1589
Std Dev 0


pull1D
Entries 50
Mean −0.0017
Std Dev 0.9692


asym_sam7_dit_correction_rms vs run
χ² / ndf 6838 / 49
p0 215.3 ± 0.2215
260
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
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5808. 6
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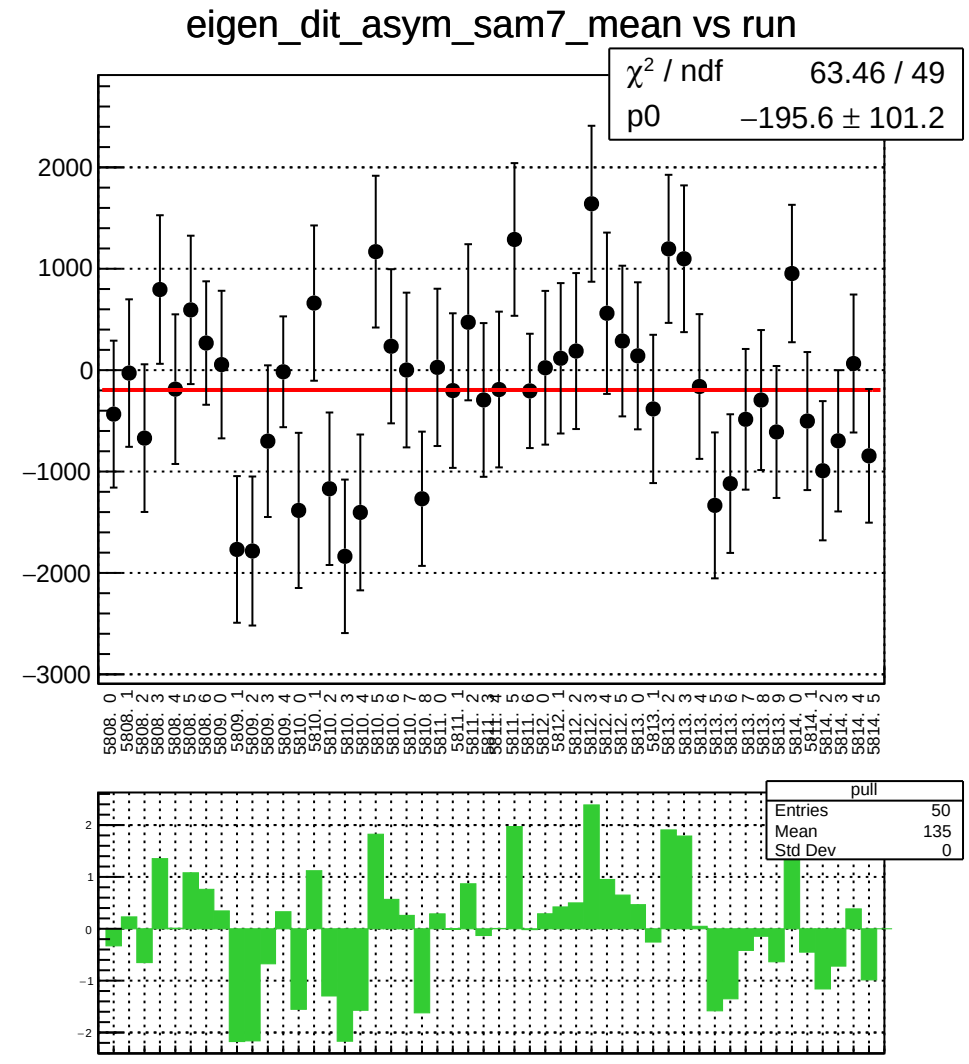
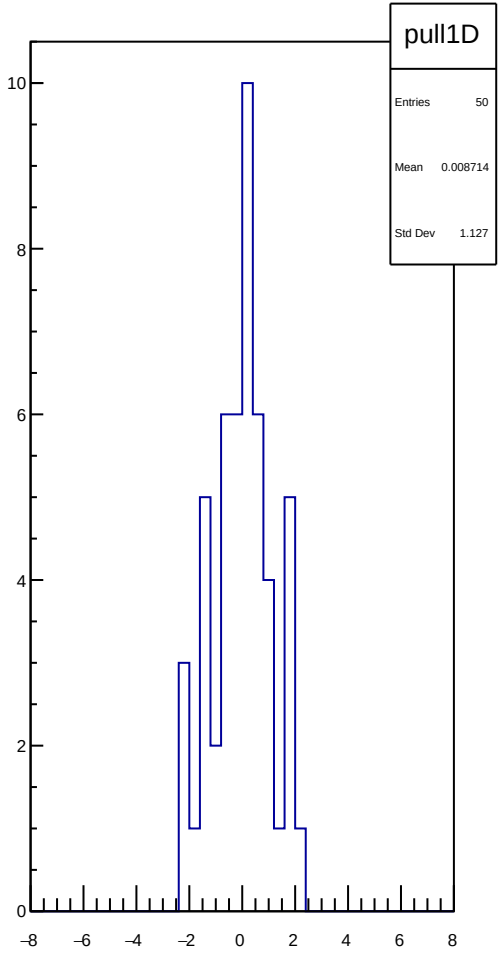
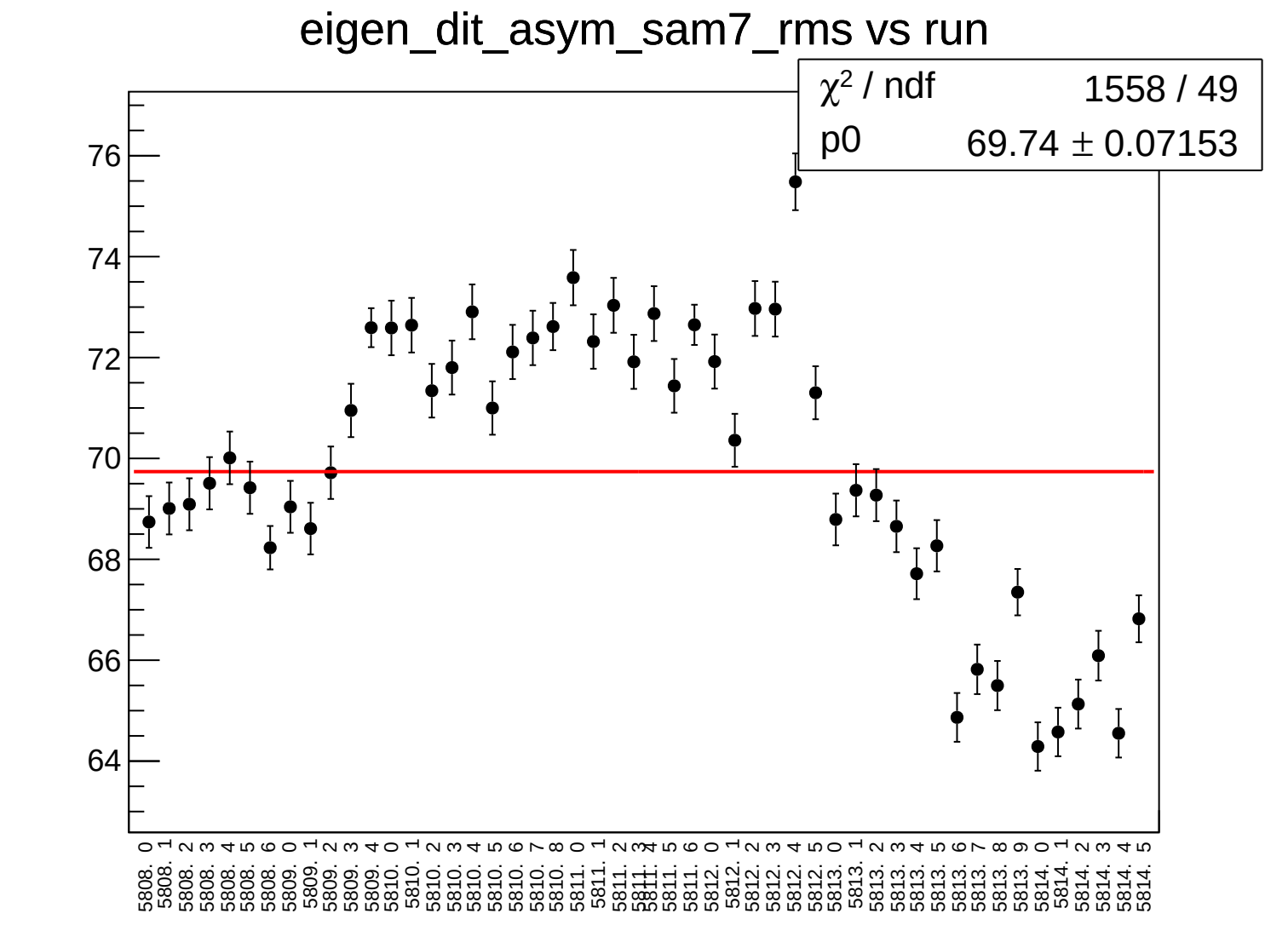

eigen_dit_asym_sam7_mean vs run
χ² / ndf 63.46 / 49
p0 −195.6 ± 101.2
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean 135
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.008714
Std Dev 1.127
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam7_rms vs run
χ² / ndf 1558 / 49
p0 69.74 ± 0.07153
76
74
72
70
68
66
64
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 4
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5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 6
5812. 0
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5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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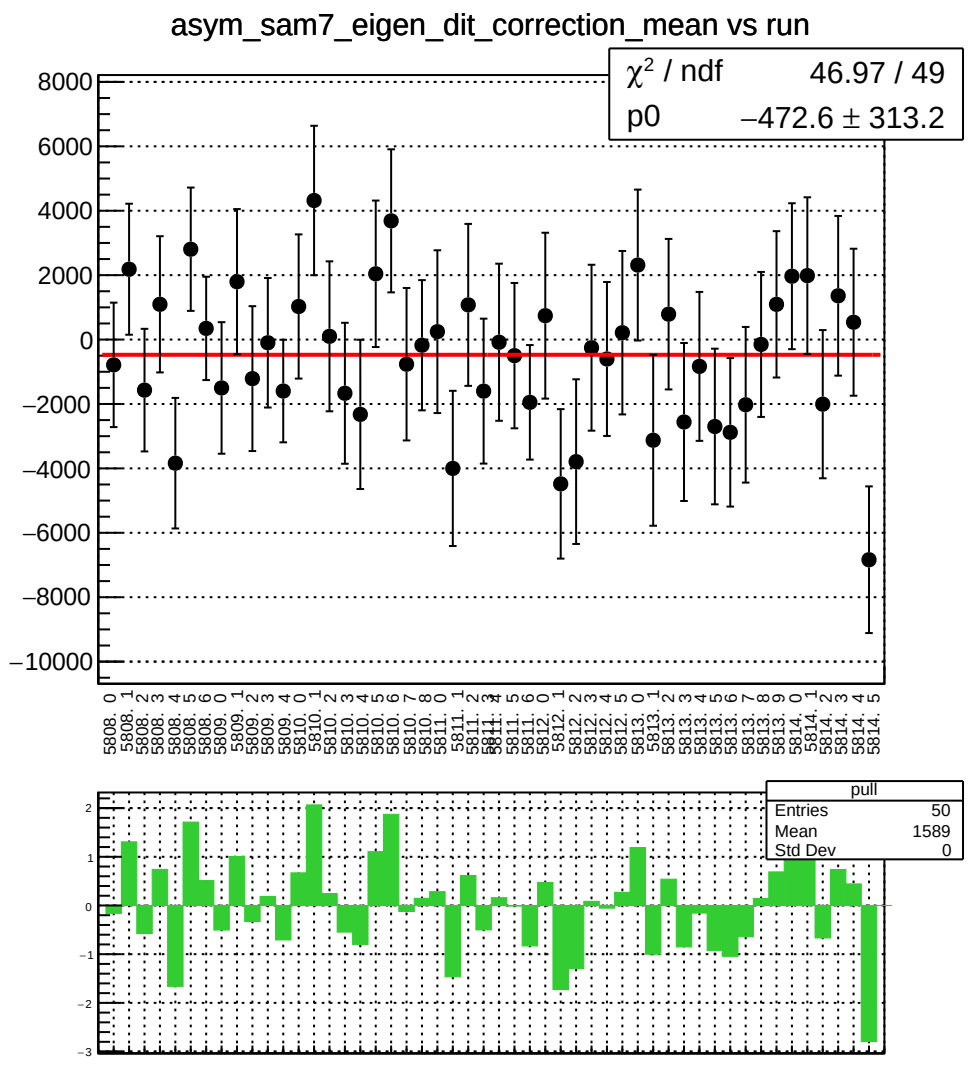
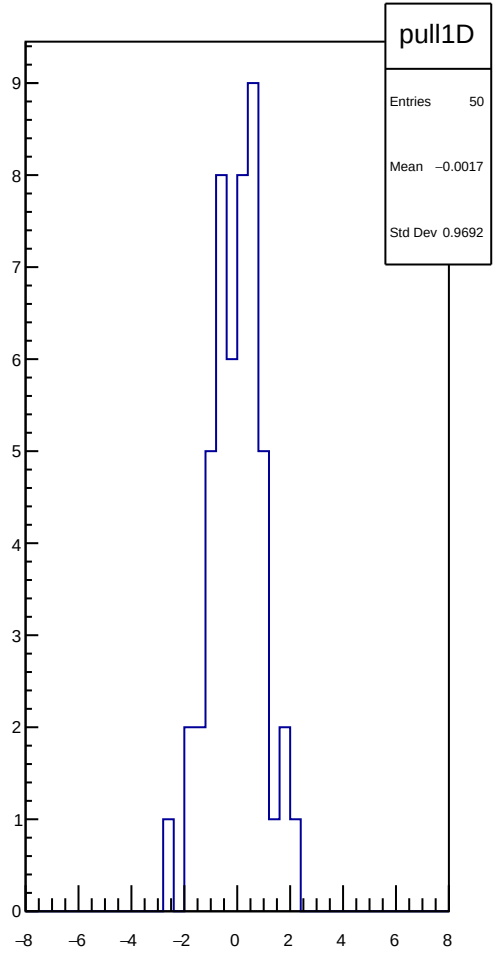
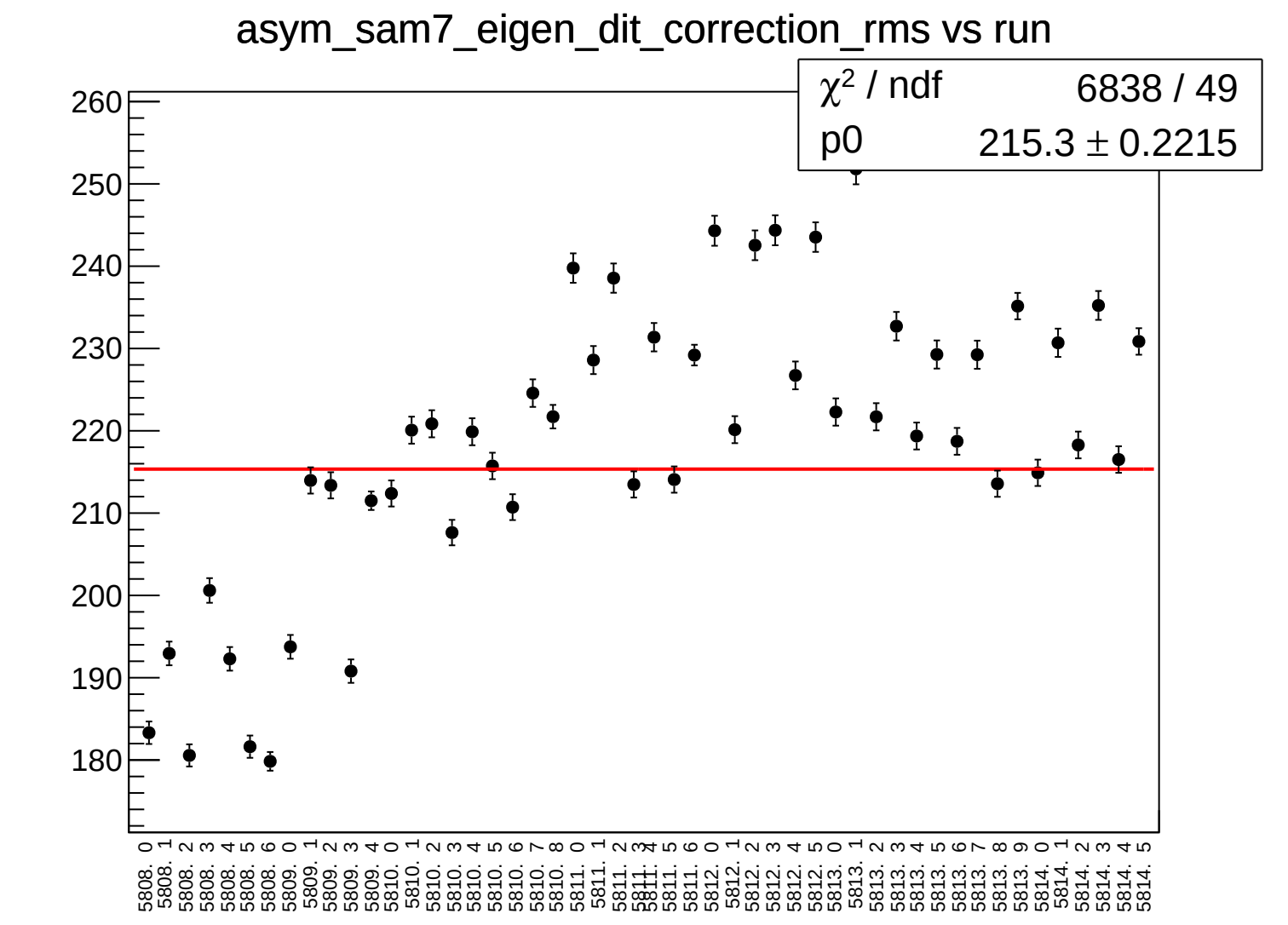
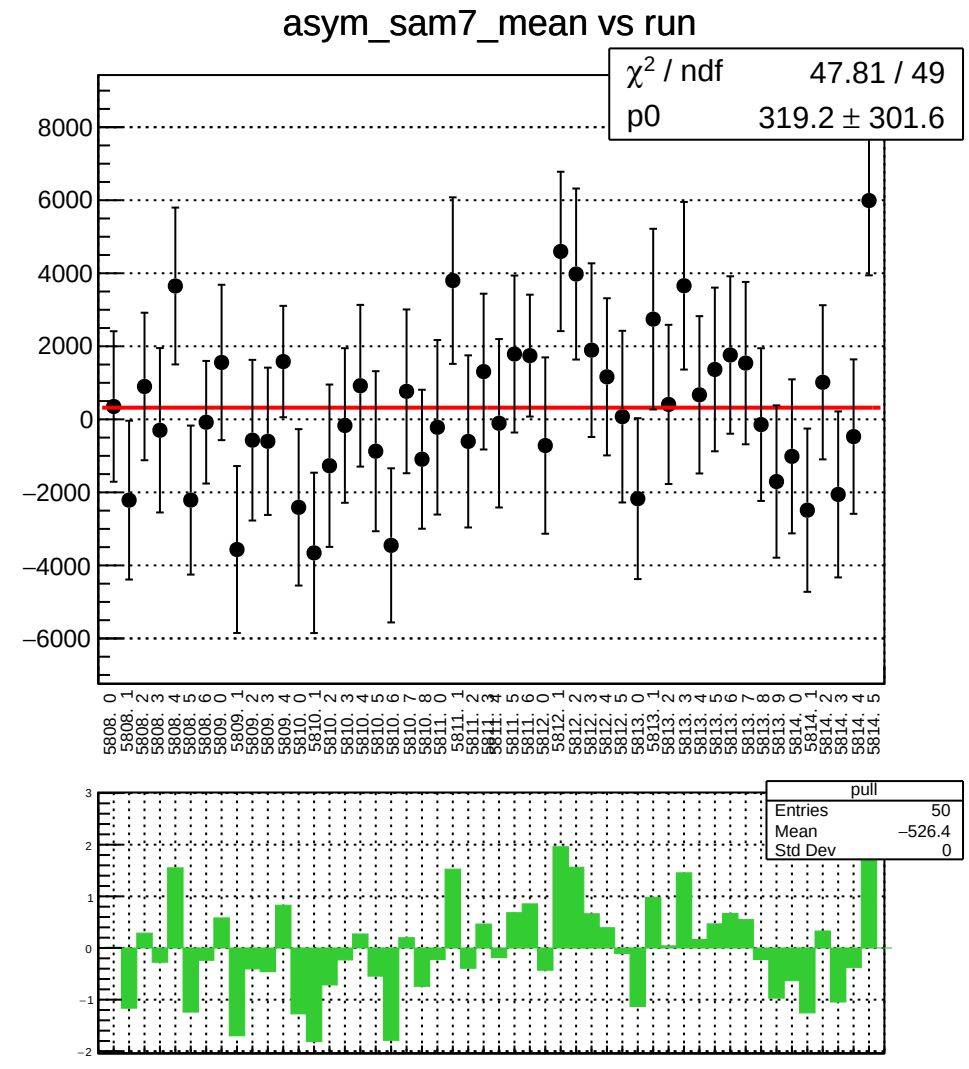
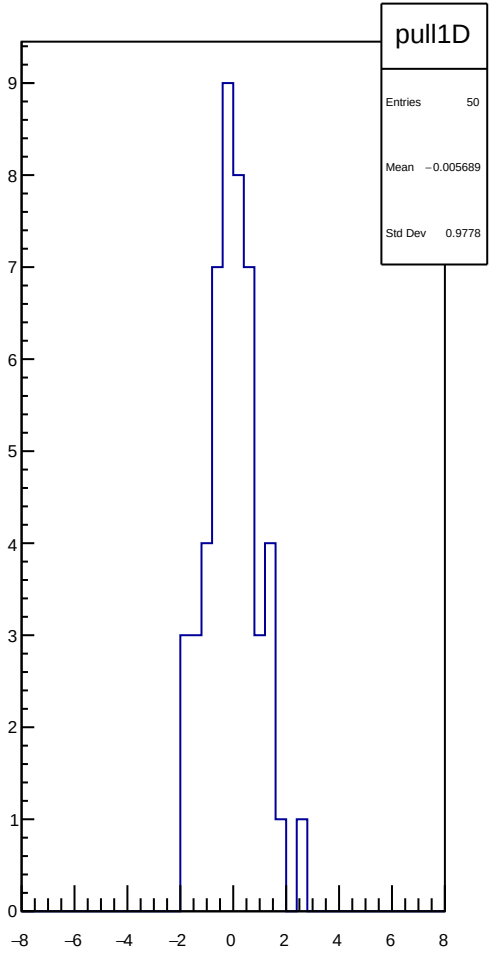
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

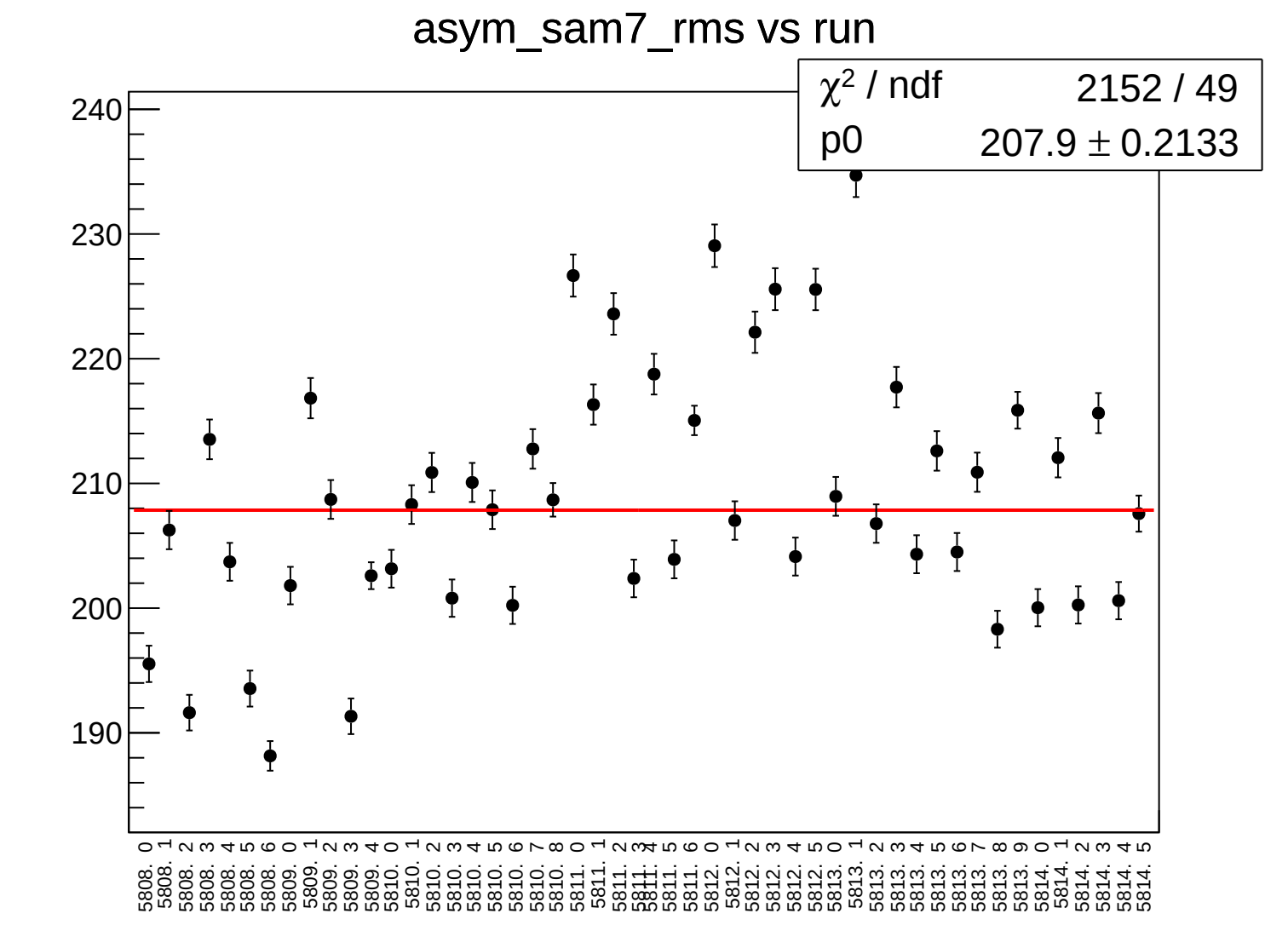

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 46.97 / 49
p0 −472.6 ± 313.2
pull
Entries 50
Mean 1589
Std Dev 0

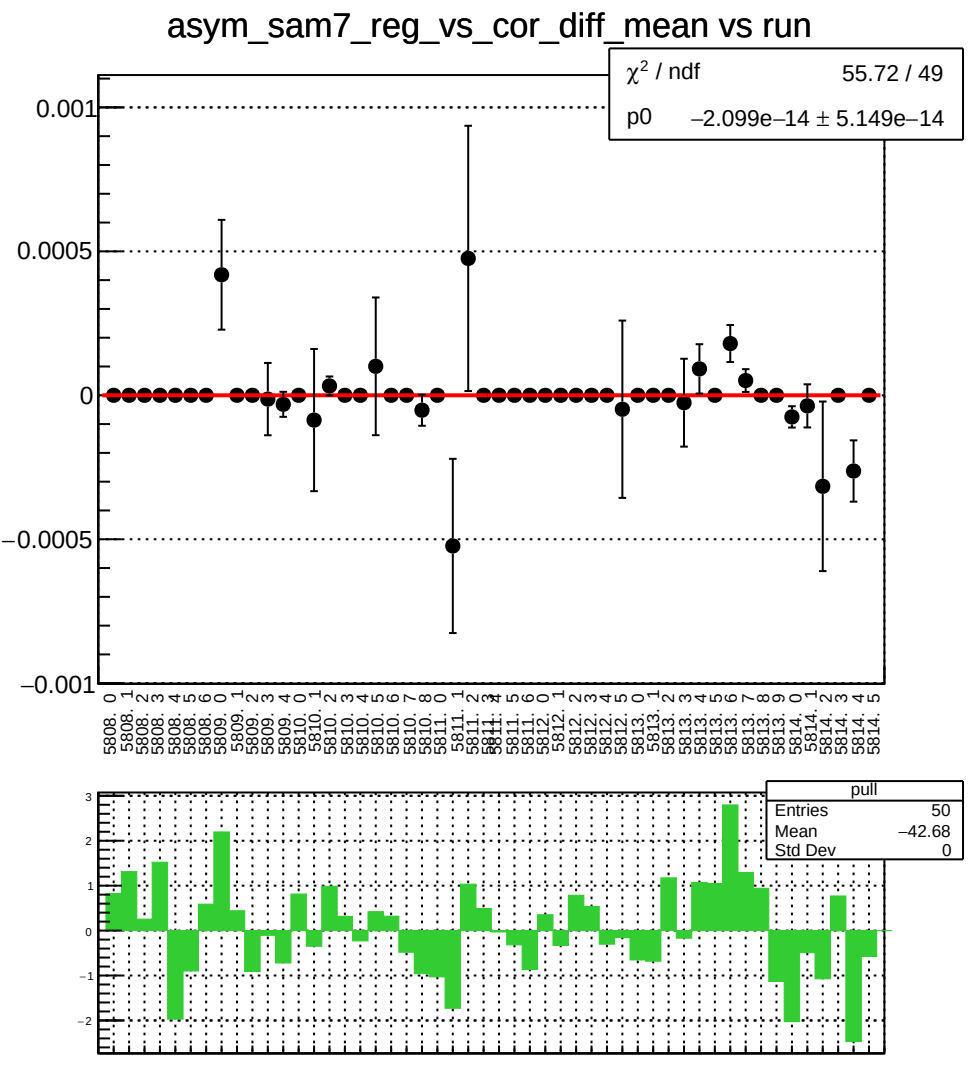

pull1D
Entries 50
Mean −0.0017
Std Dev 0.9692

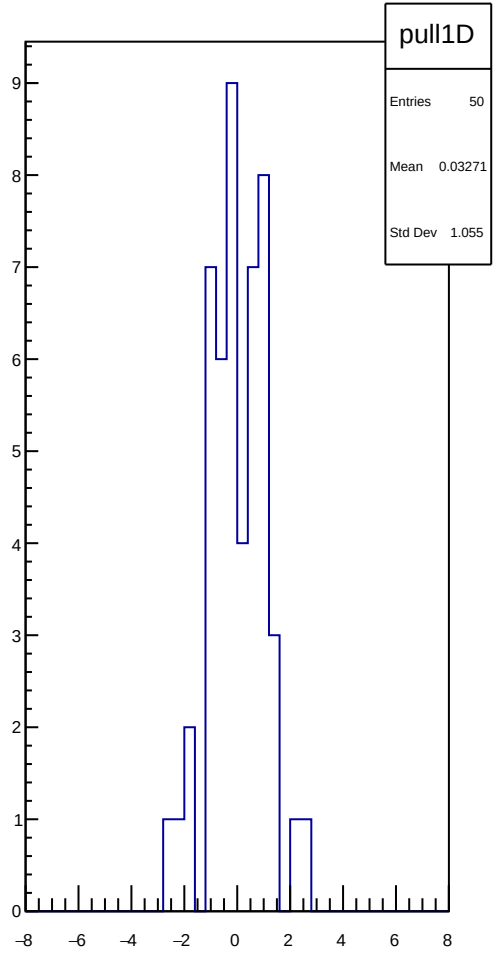

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 6838 / 49
p0 215.3 ± 0.2215
260
250
240
230
220
210
200
190
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

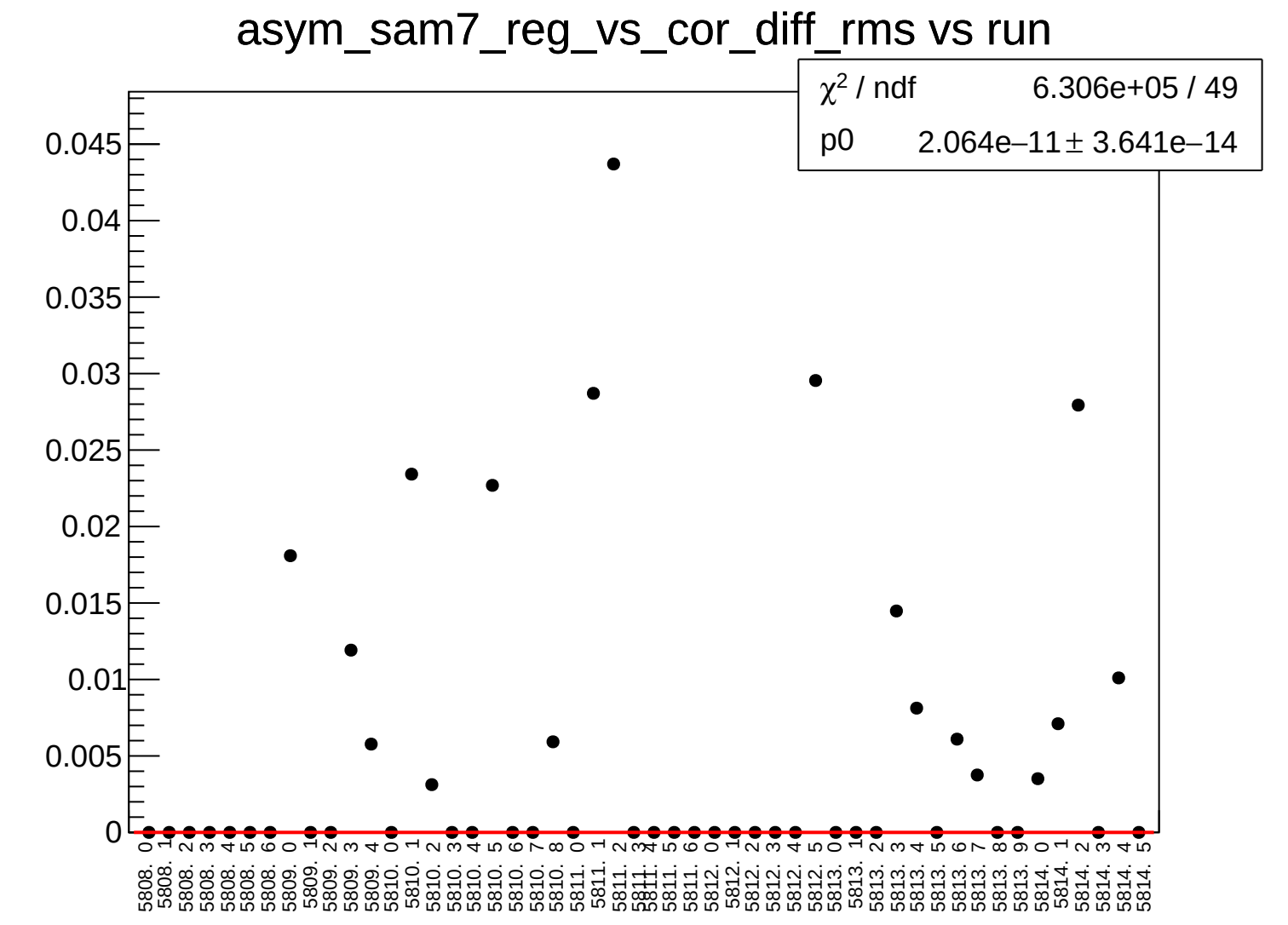

asym_sam7_mean vs run
χ² / ndf 47.81 / 49
p0 319.2 ± 301.6
8000
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −526.4
Std Dev 0
3
2
1
0
−1
−2

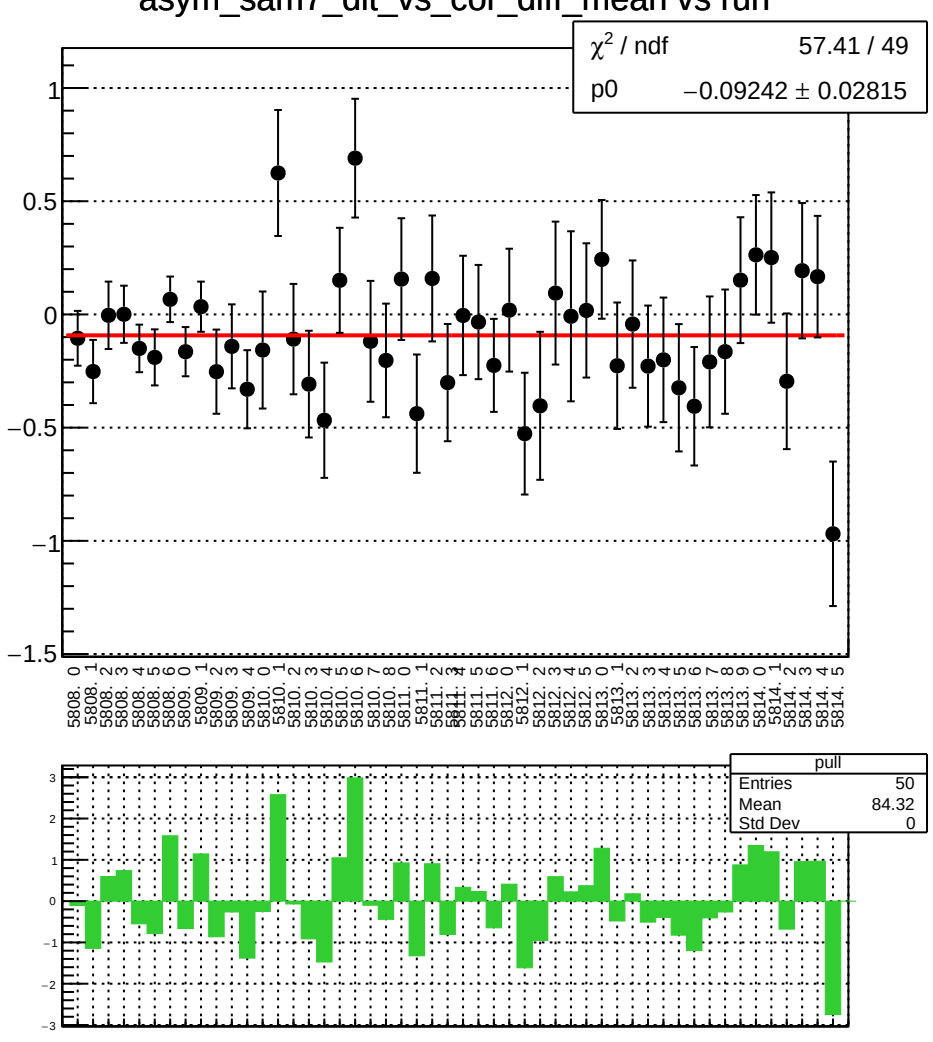

pull1D
Entries 50
Mean −0.005689
Std Dev 0.9778
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

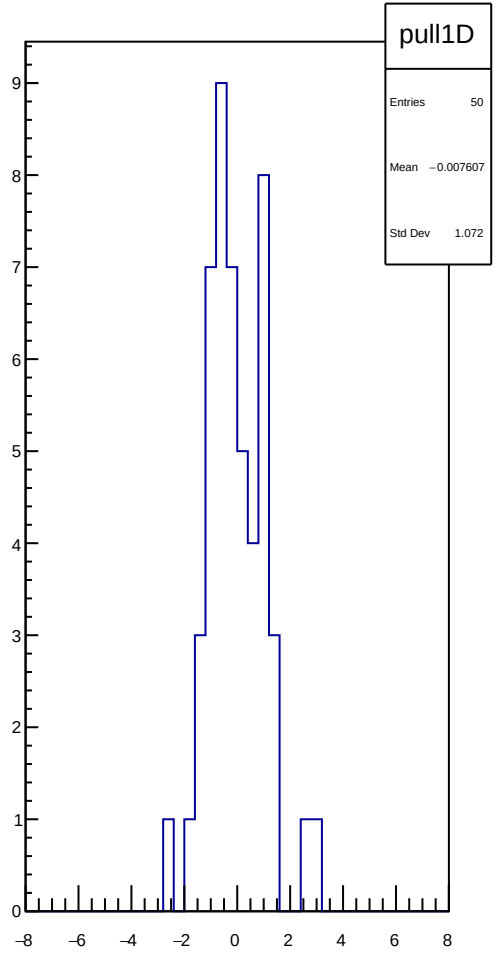

asym_sam7_rms vs run
χ² / ndf 2152 / 49
p0 207.9 ± 0.2133
240
230
220
210
200
190
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

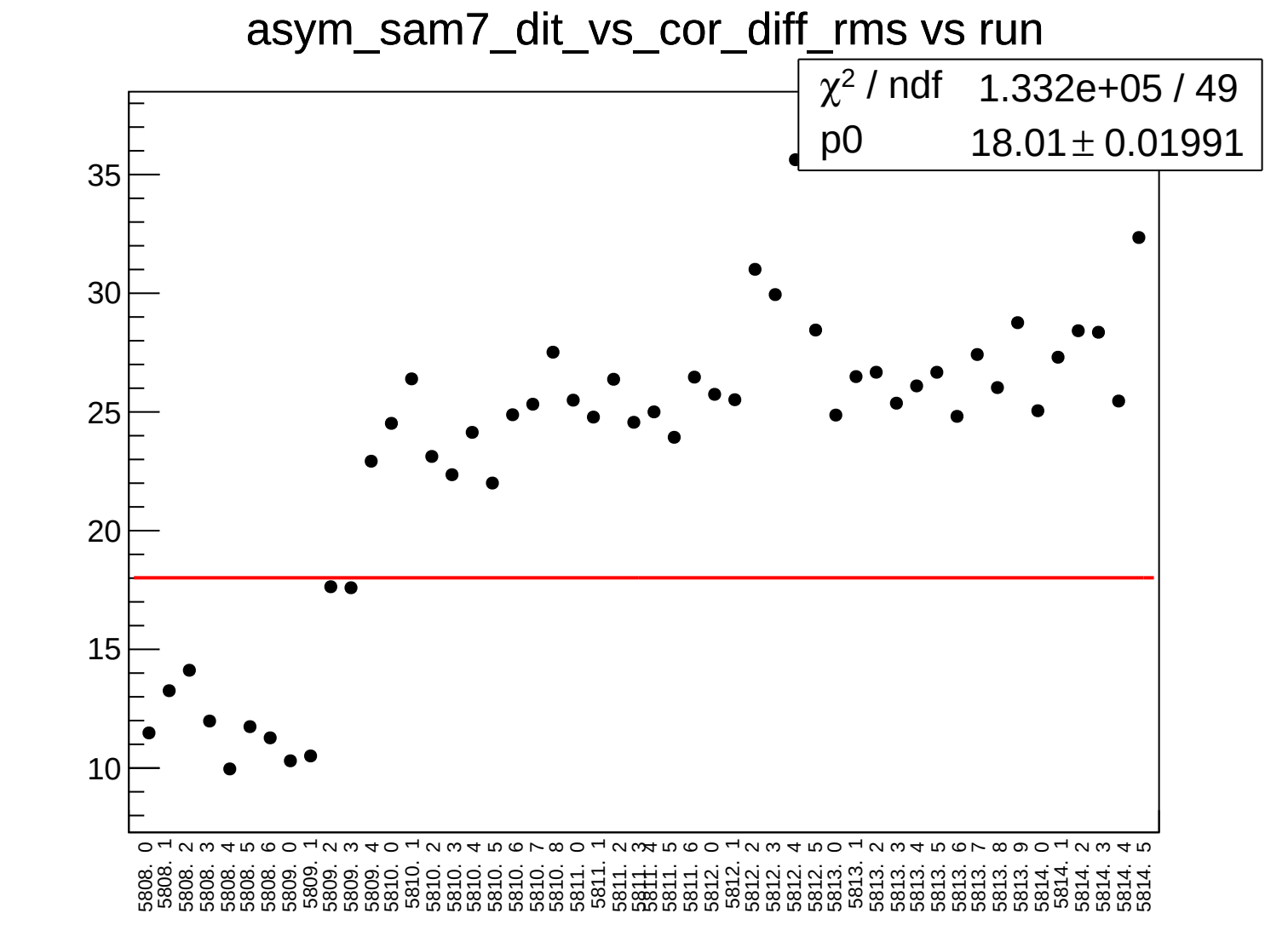

asym_sam7_reg_vs_cor_diff_mean vs run
χ² / ndf 55.72 / 49
p0 −2.099e−14 ± 5.149e−14
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 50
Mean −42.68
Std Dev 0

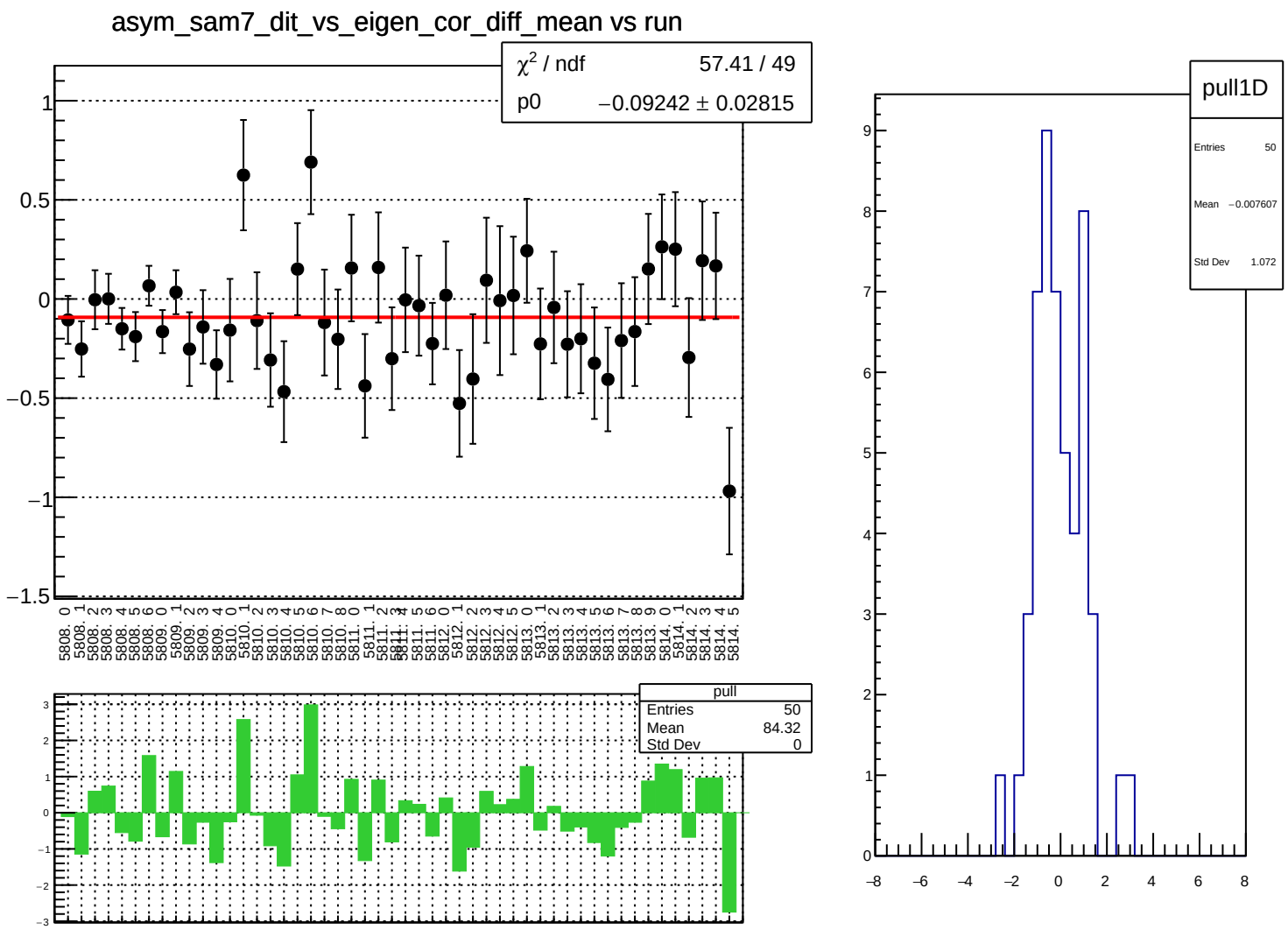

pull1D
Entries 50
Mean 0.03271
Std Dev 1.055

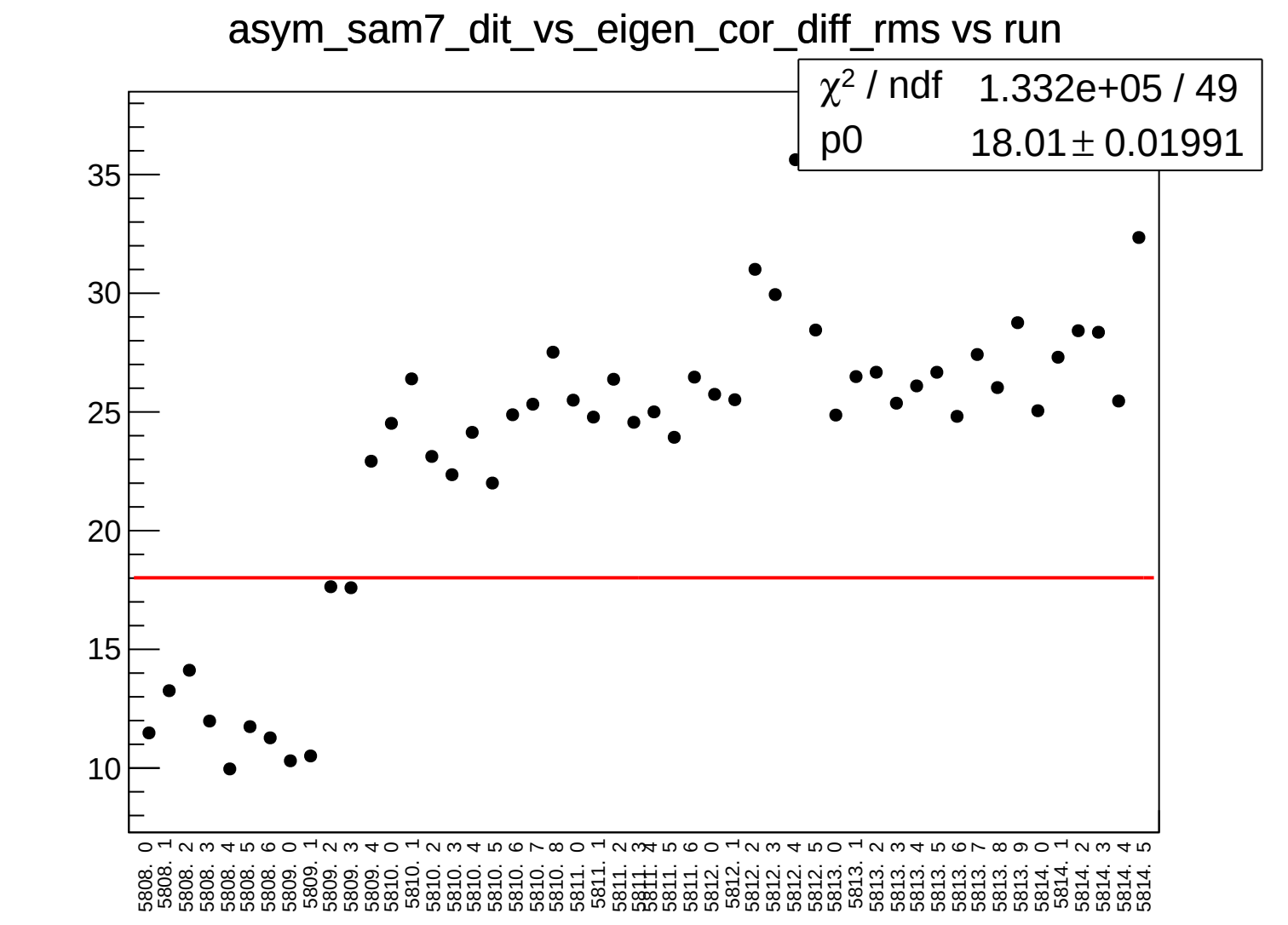

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 6.306e+05 / 49
p0 2.064e−11 ± 3.641e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

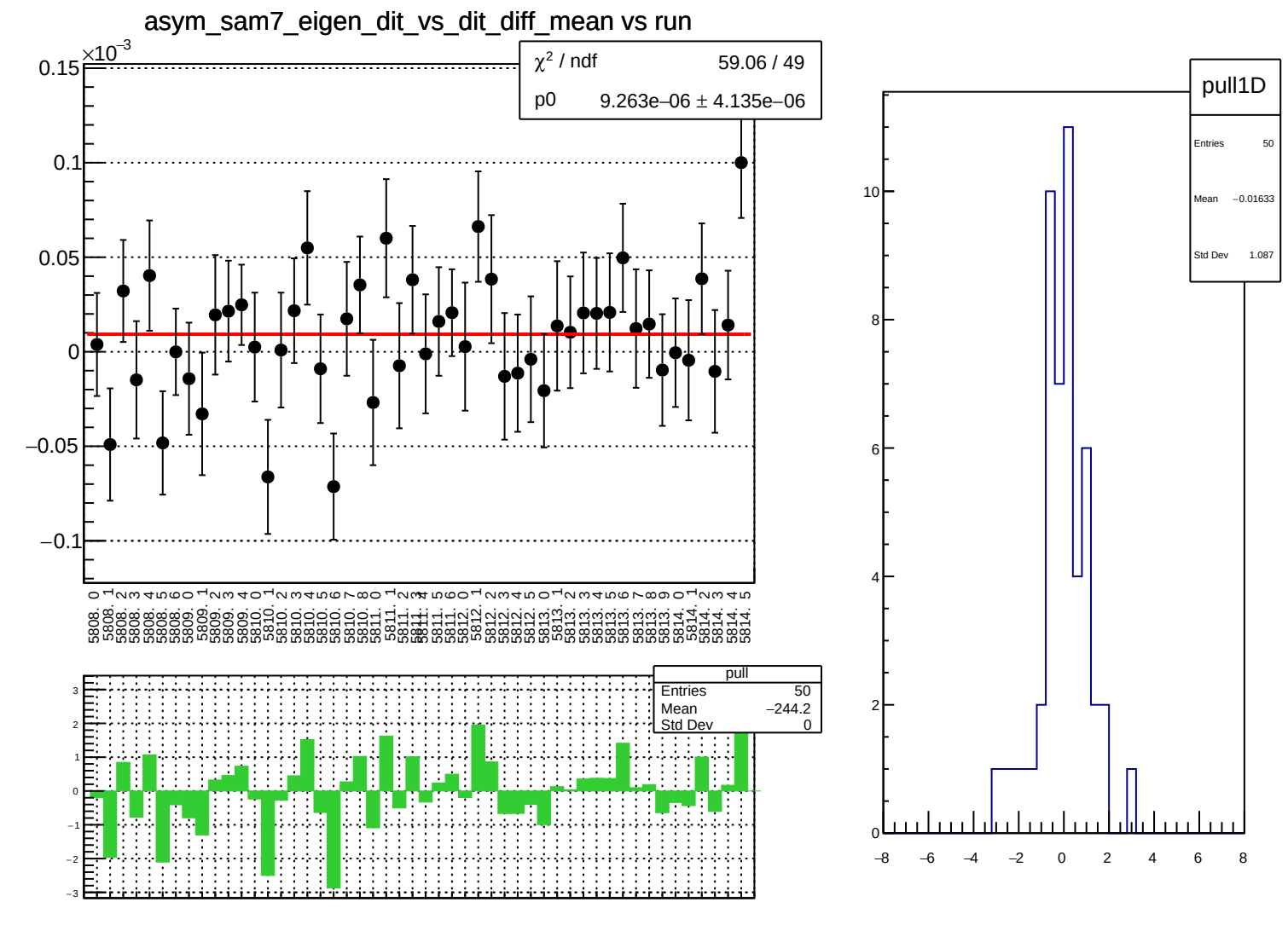

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 57.41 / 49
p0 −0.09242 ± 0.02815
pull
Entries 50
Mean 84.32
Std Dev 0

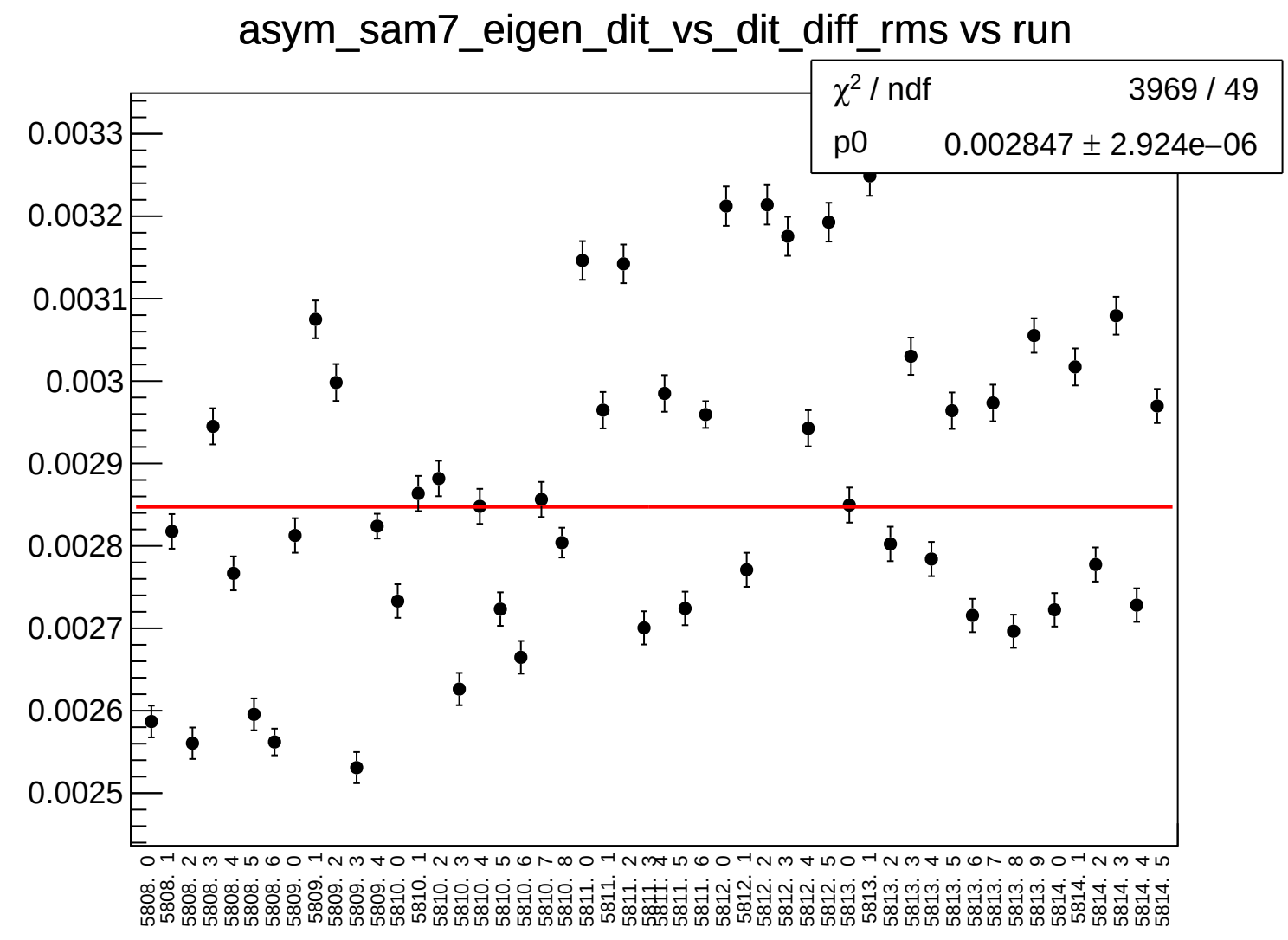

pull1D
Entries 50
Mean −0.007607
Std Dev 1.072

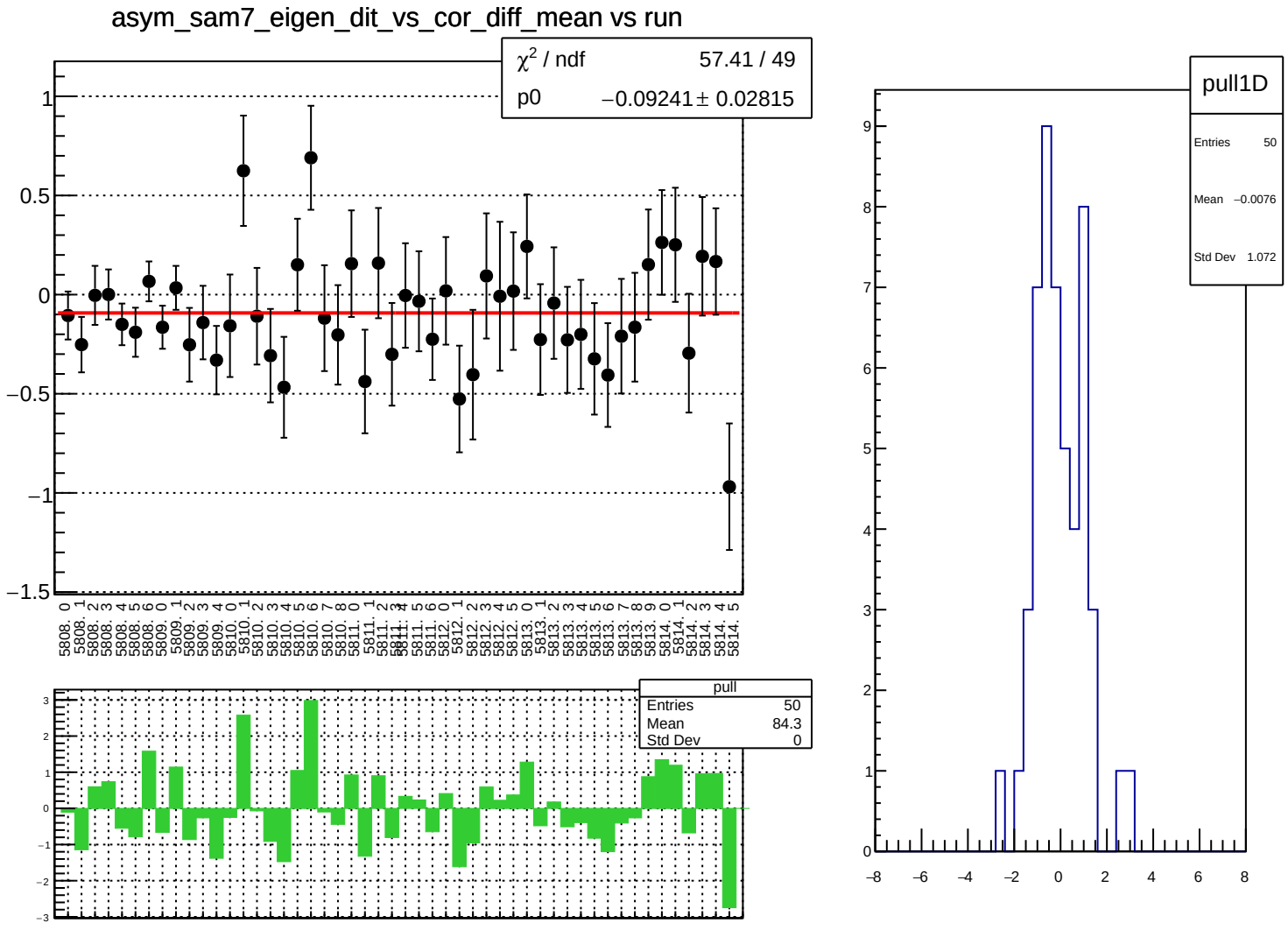

asym_sam7_dit_vs_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 18.01 ± 0.01991
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

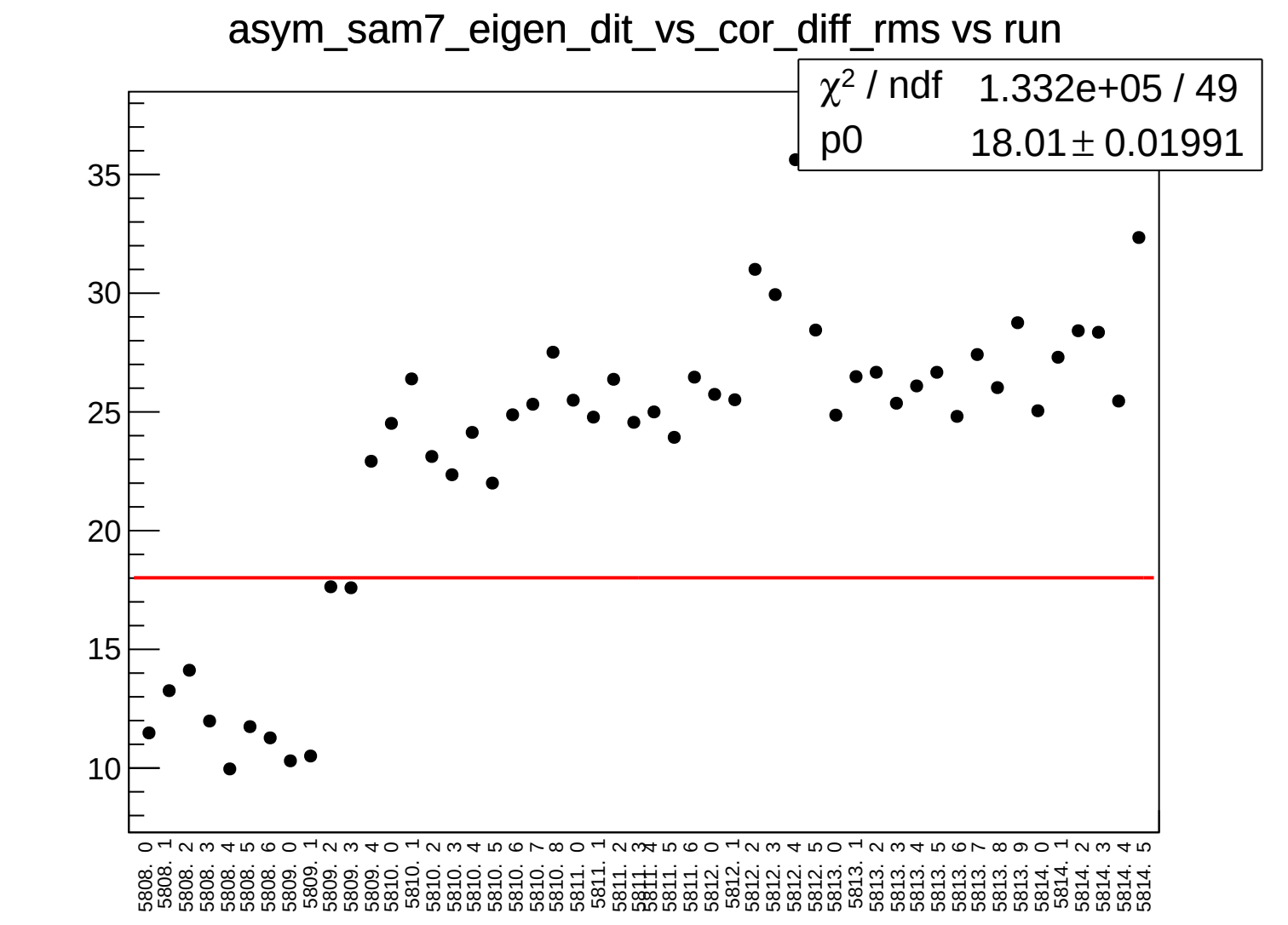

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.41 / 49
p0 −0.09242 ± 0.02815
pull
Entries 50
Mean 84.32
Std Dev 0
pull1D
Entries 50
Mean −0.007607
Std Dev 1.072

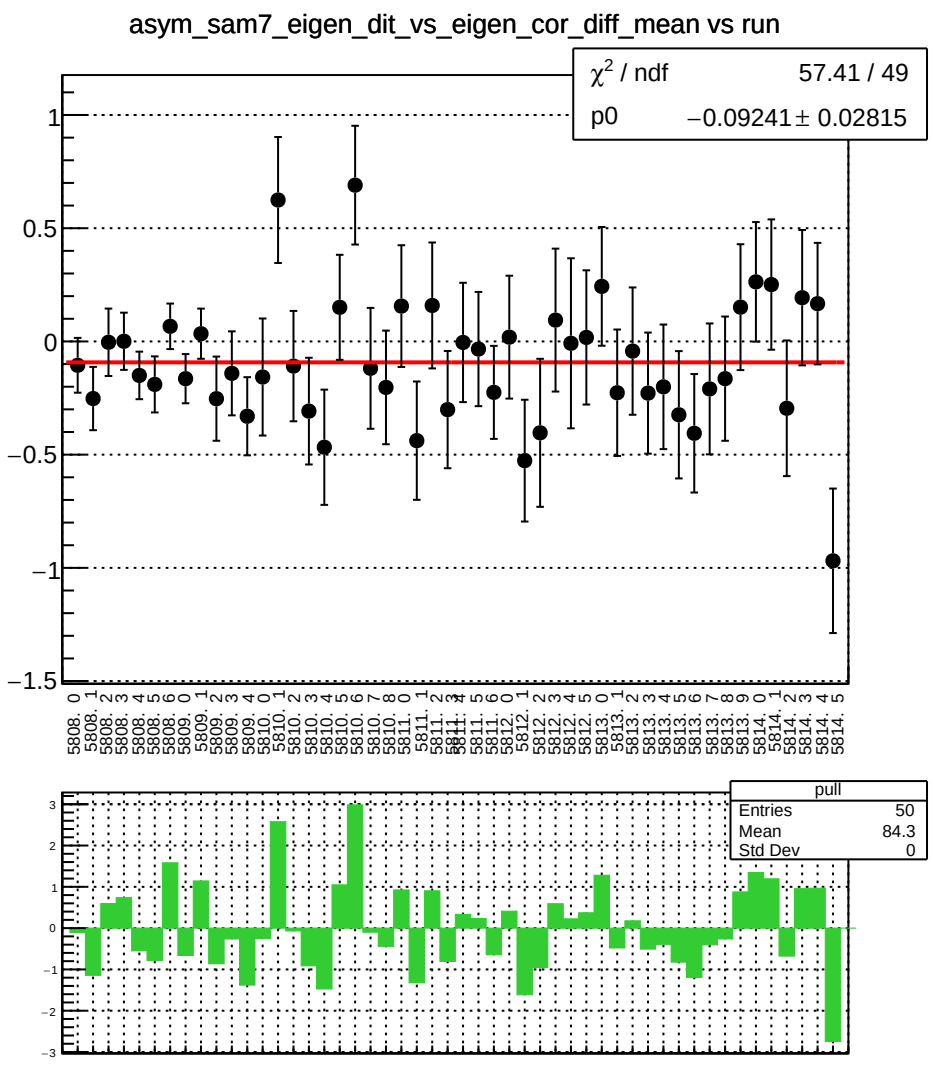

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 18.01 ± 0.01991
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

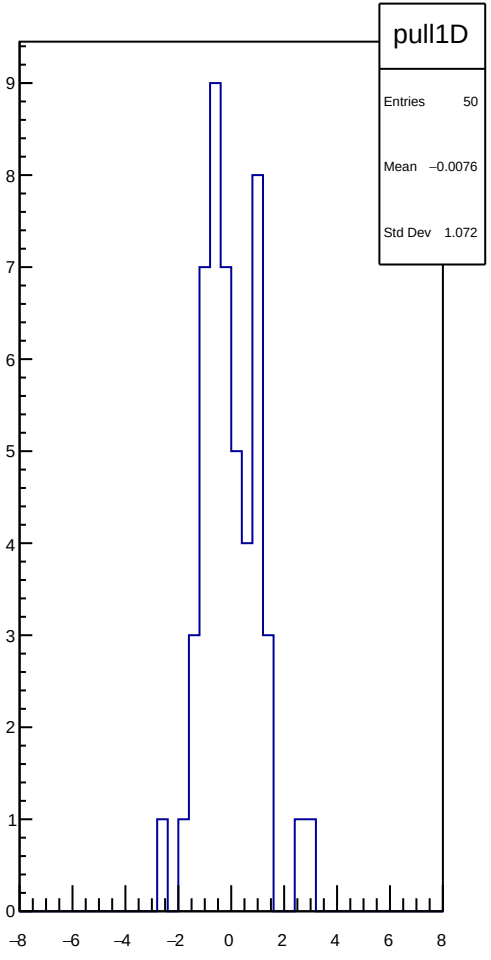

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.06 / 49
p0 9.263e−06 ± 4.135e−06
0.15
0.1
0.05
0
−0.05
−0.1
pull
Entries 50
Mean −244.2
Std Dev 0
pull1D
Entries 50
Mean −0.01633
Std Dev 1.087

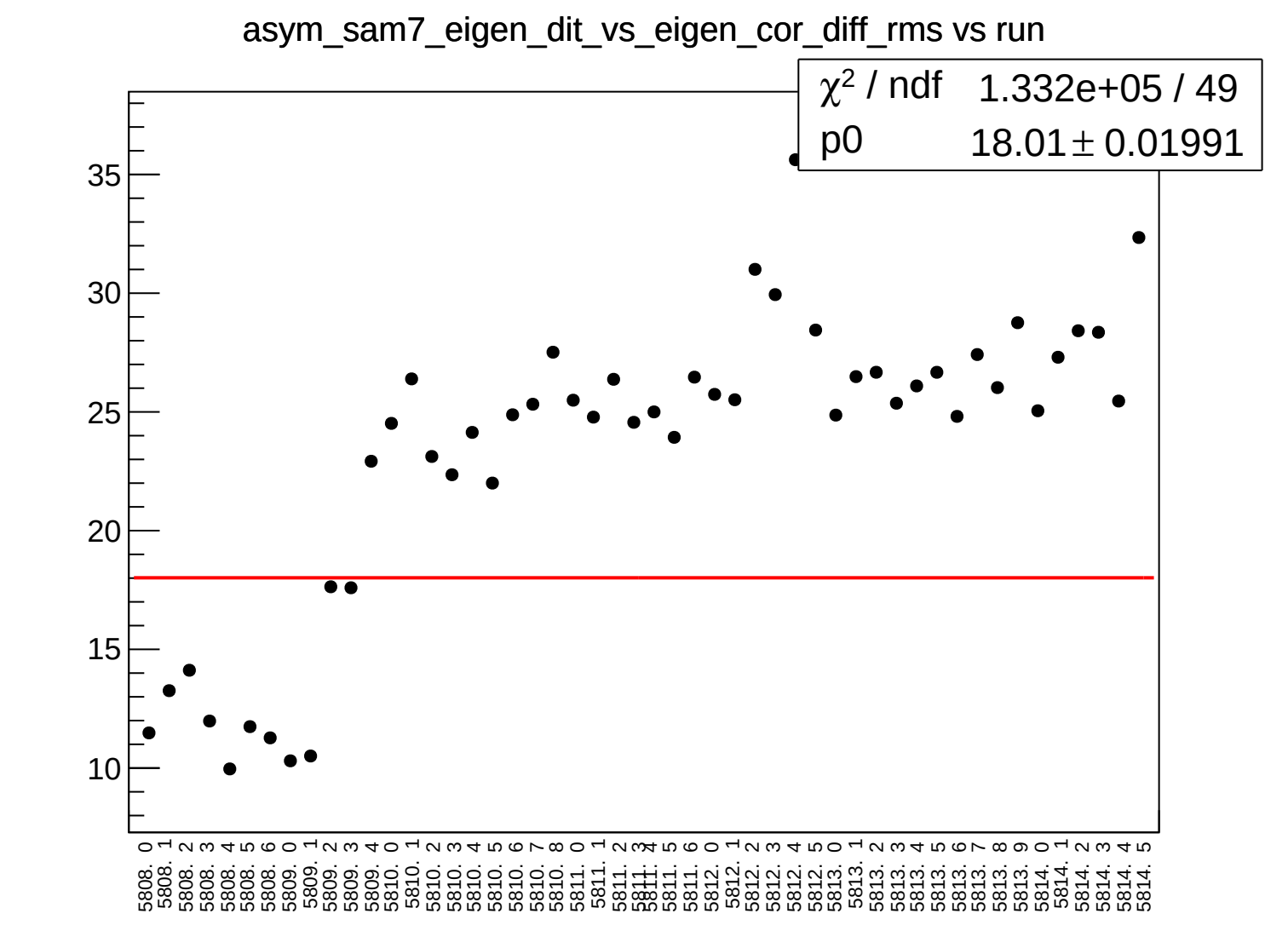

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3969 / 49
p0 0.002847 ± 2.924e−06
0.0033
0.0032
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

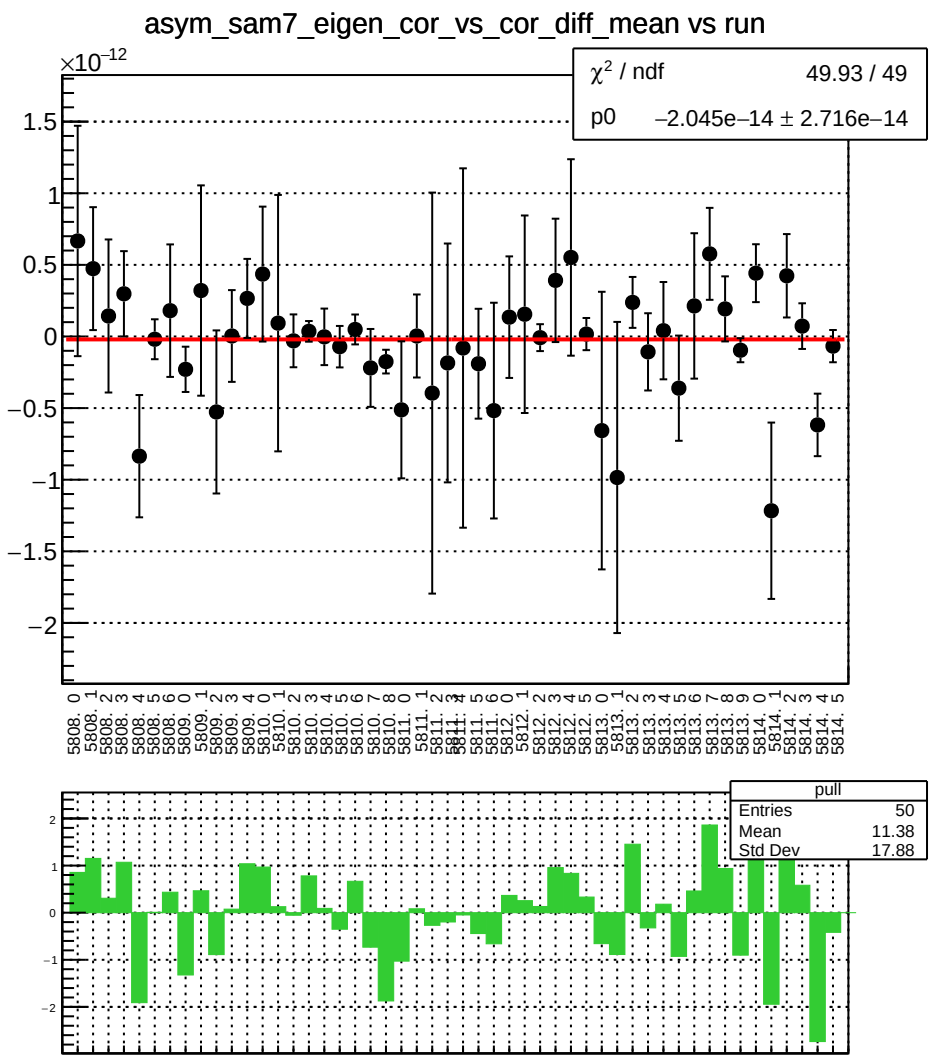

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.41 / 49
p0 −0.09241 ± 0.02815
pull
Entries 50
Mean 84.3
Std Dev 0
pull1D
Entries 50
Mean −0.0076
Std Dev 1.072

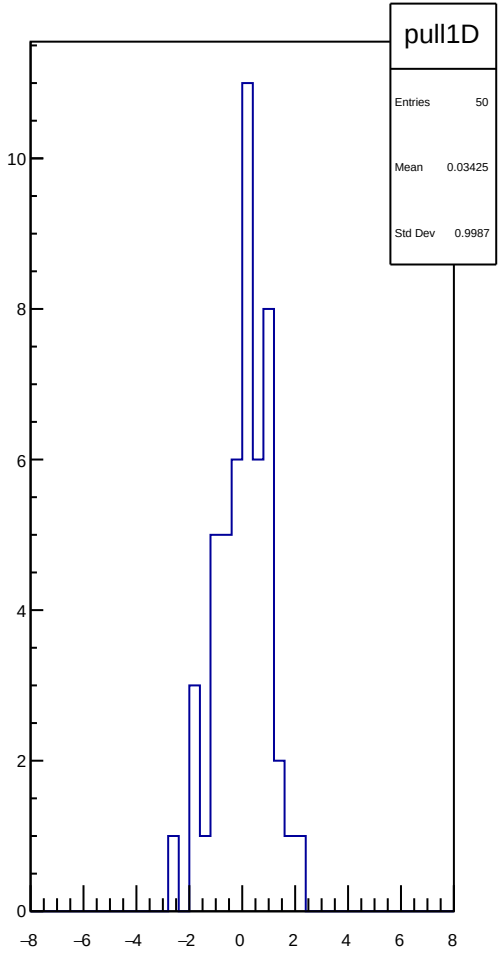

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 18.01 ± 0.01991
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

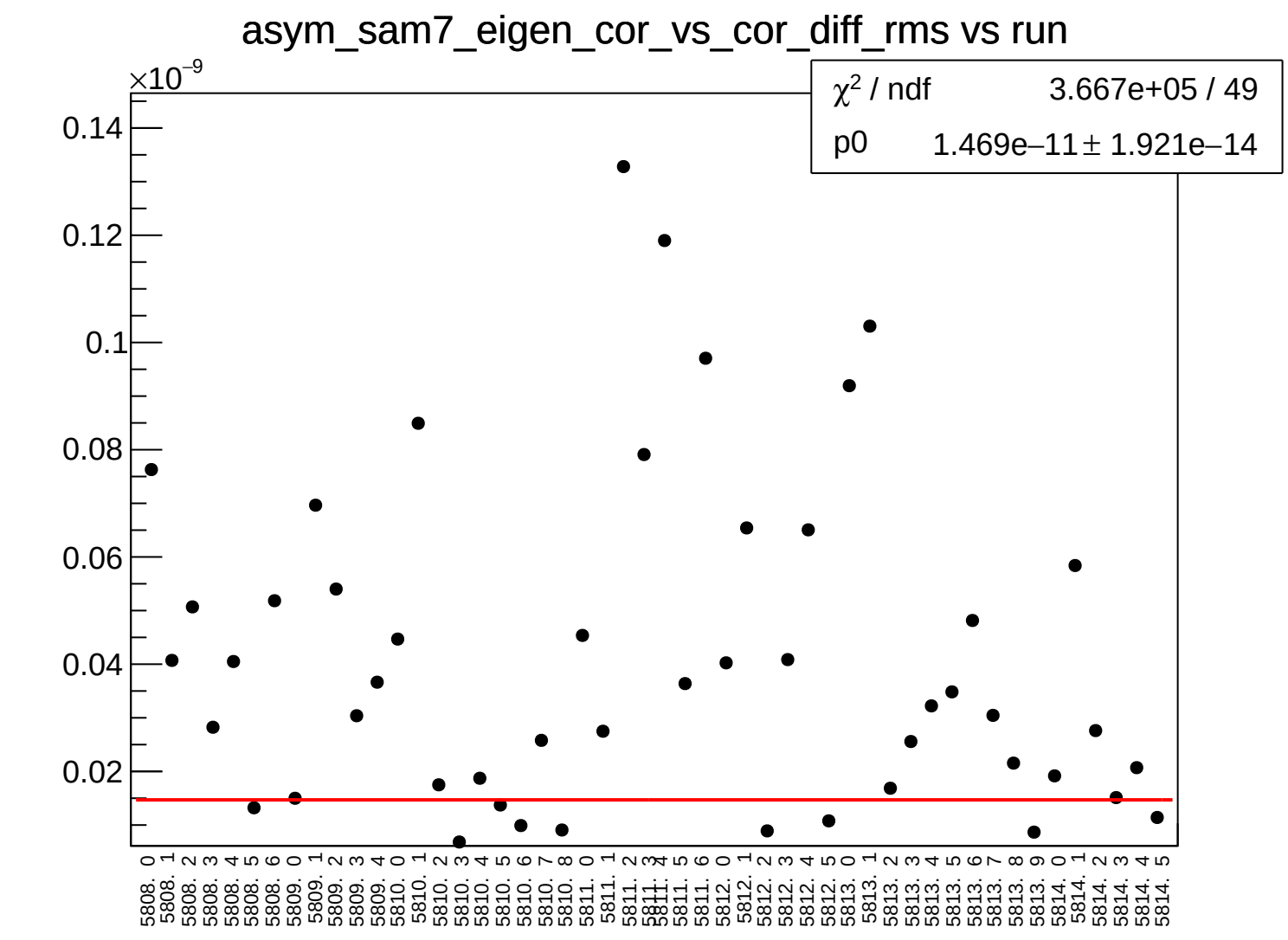

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.41 / 49
p0 −0.09241 ± 0.02815
pull
Entries 50
Mean 84.3
Std Dev 0

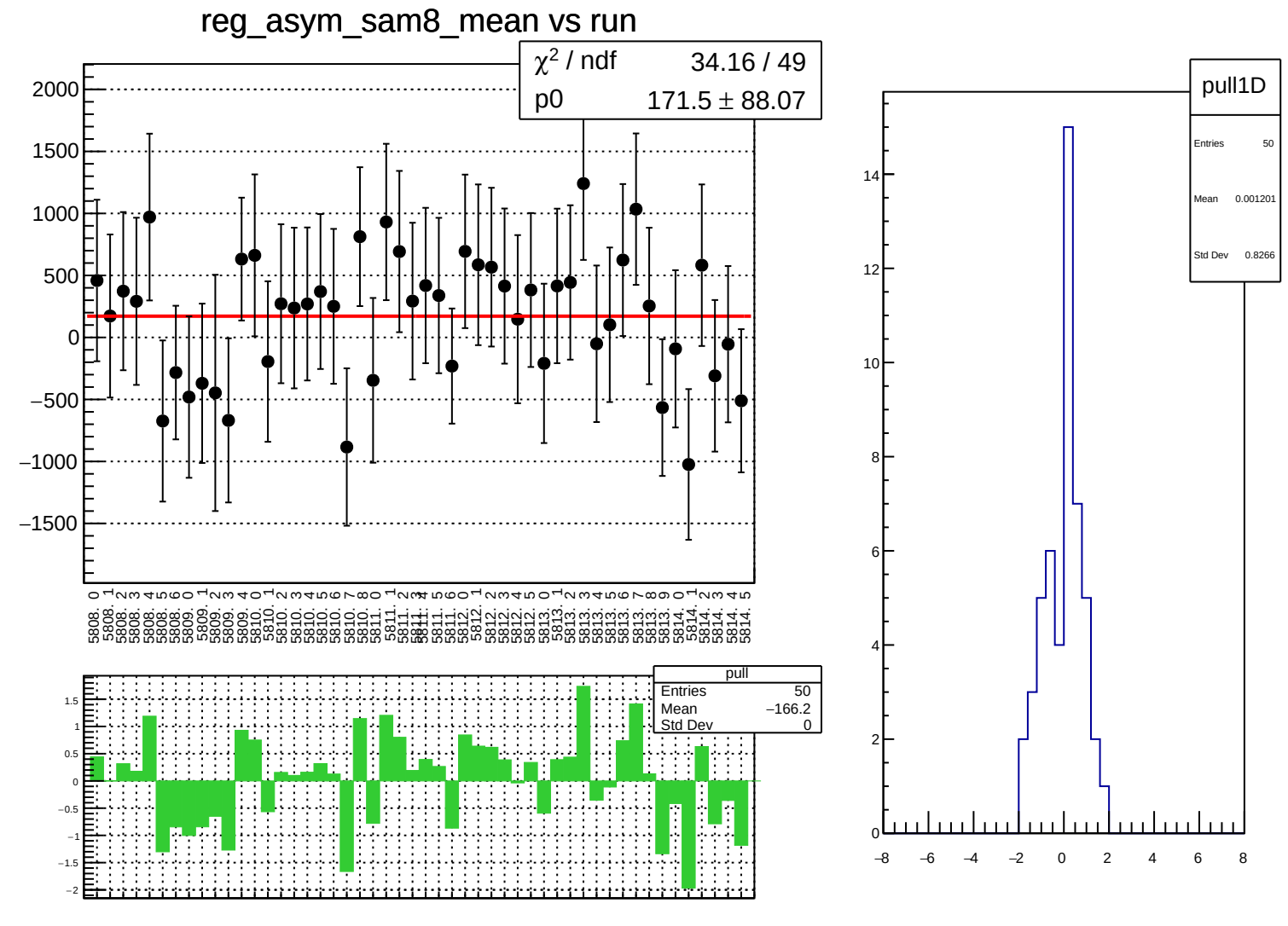

pull1D
Entries 50
Mean −0.0076
Std Dev 1.072

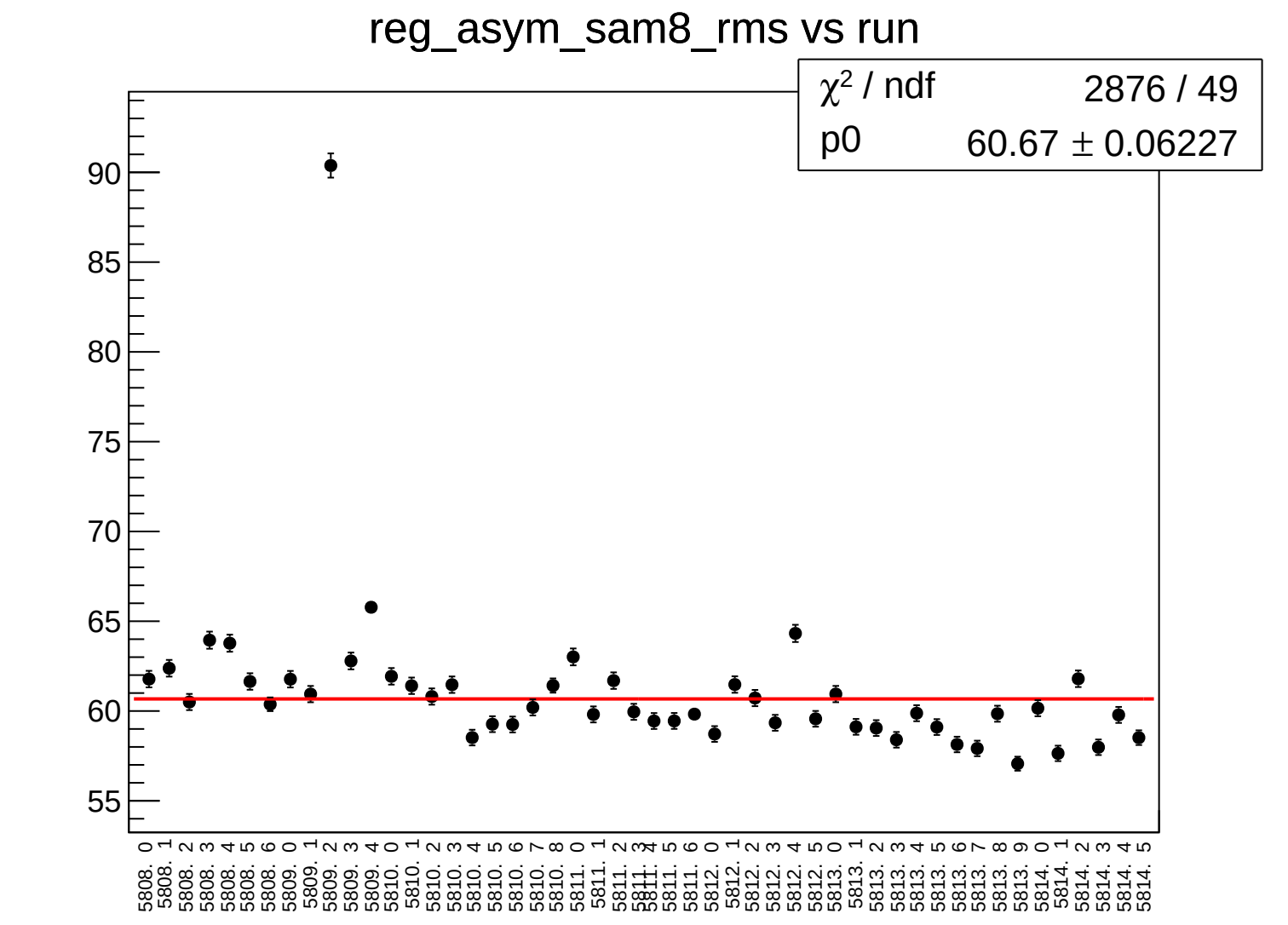

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.332e+05 / 49
p0 18.01 ± 0.01991
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

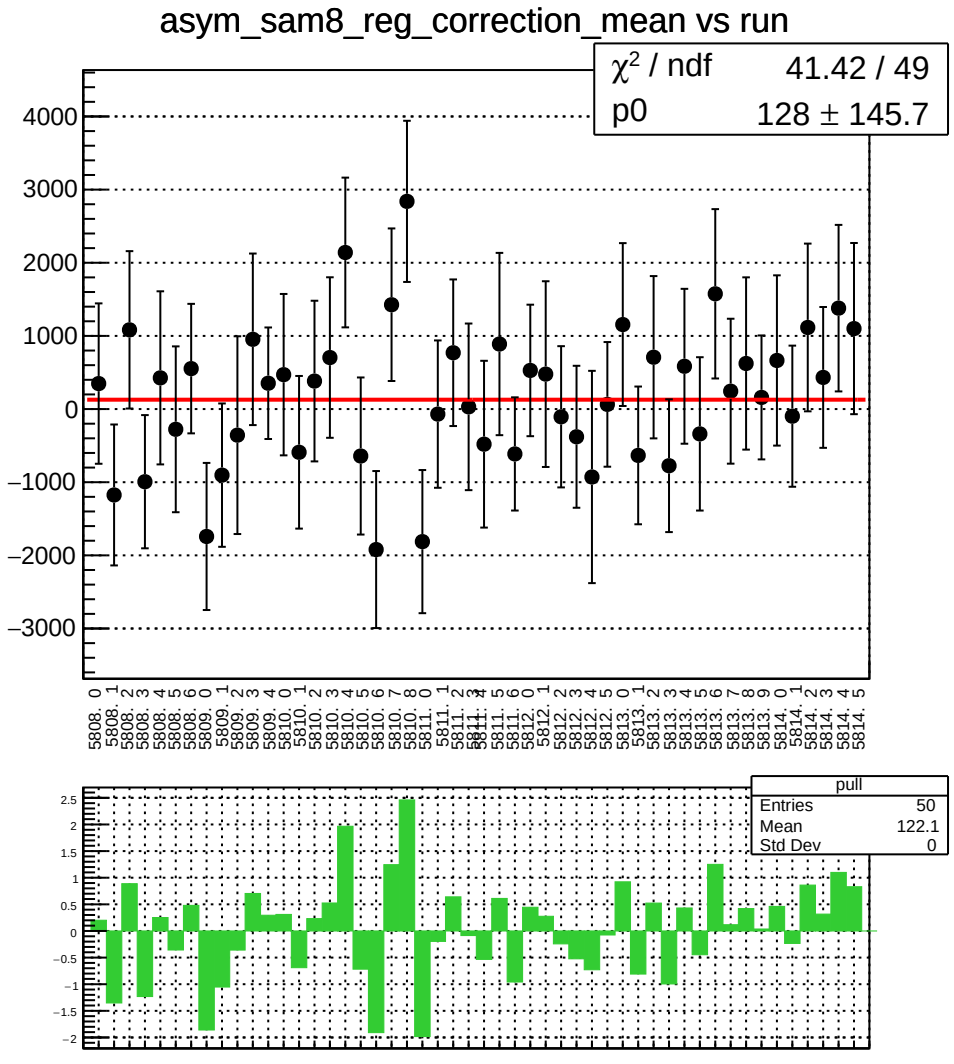

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.93 / 49
p0 −2.045e−14 ± 2.716e−14
pull
Entries 50
Mean 11.38
Std Dev 17.88

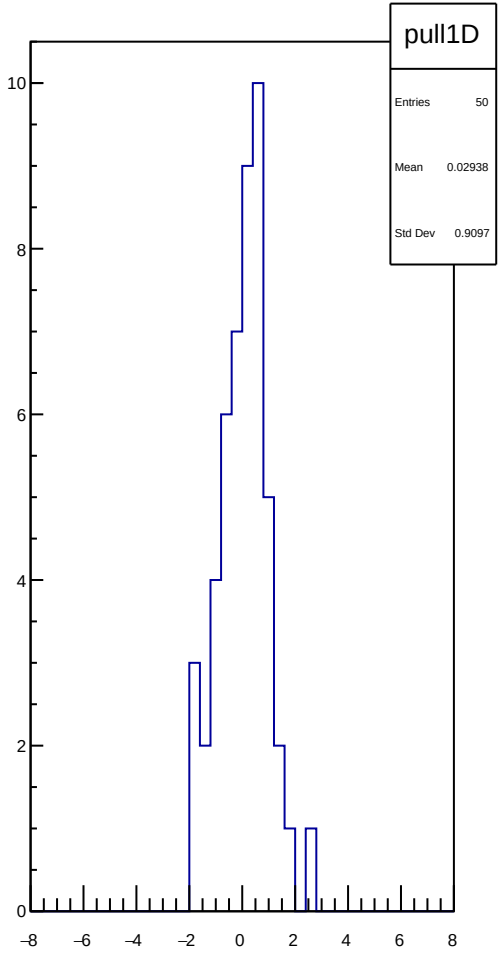

pull1D
Entries 50
Mean 0.03425
Std Dev 0.9987

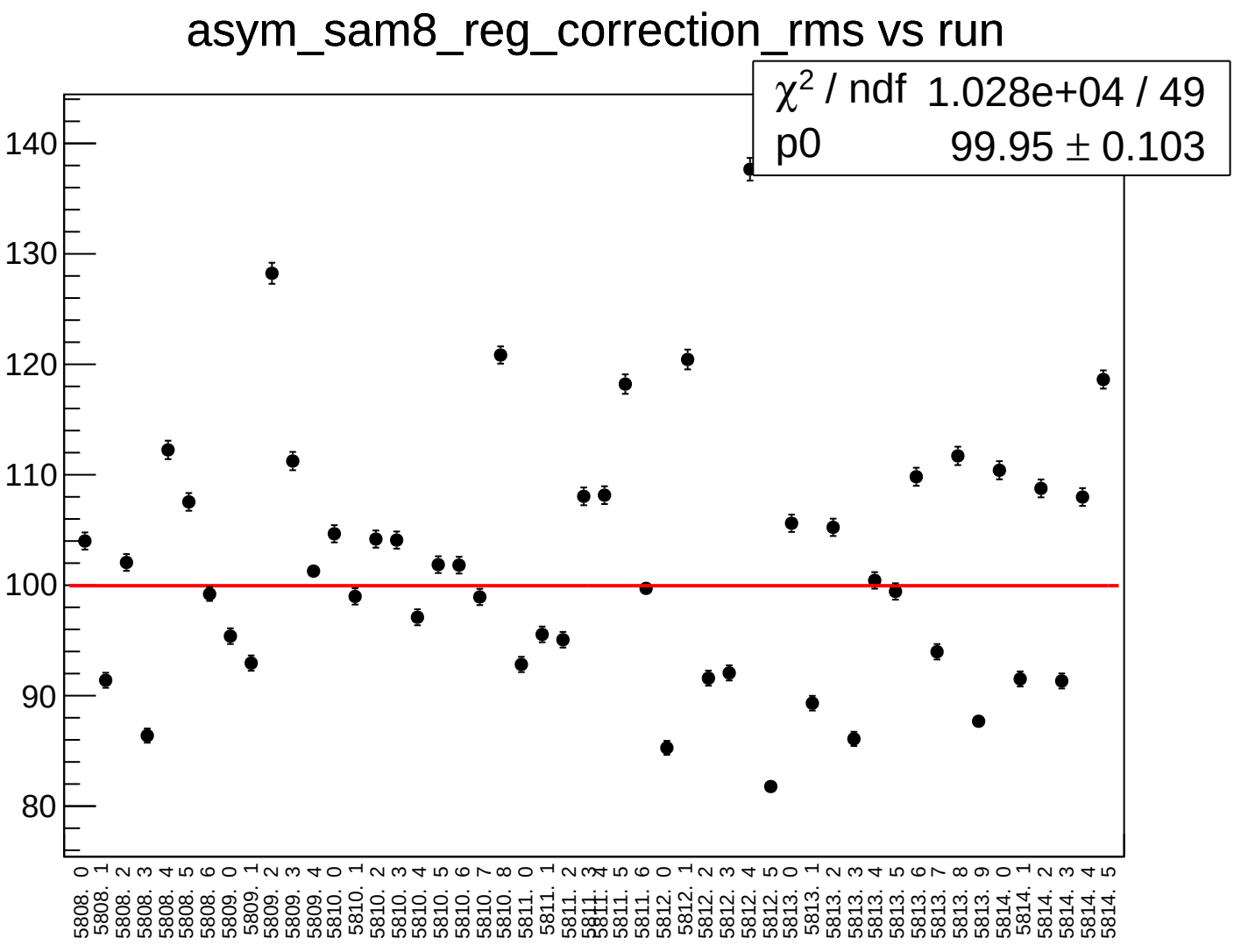

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.667e+05 / 49
p0 1.469e−11 ± 1.921e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam8_mean vs run
χ² / ndf 34.16 / 49
p0 171.5 ± 88.07
pull
Entries 50
Mean −166.2
Std Dev 0
pull1D
Entries 50
Mean 0.001201
Std Dev 0.8266


reg_asym_sam8_rms vs run
χ² / ndf 2876 / 49
p0 60.67 ± 0.06227
90
85
80
75
70
65
60
55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam8_reg_correction_mean vs run
χ² / ndf 41.42 / 49
p0 128 ± 145.7
pull
Entries 50
Mean 122.1
Std Dev 0


pull1D
Entries 50
Mean 0.02938
Std Dev 0.9097


asym_sam8_reg_correction_rms vs run
χ² / ndf 1.028e+04 / 49
p0 99.95 ± 0.103
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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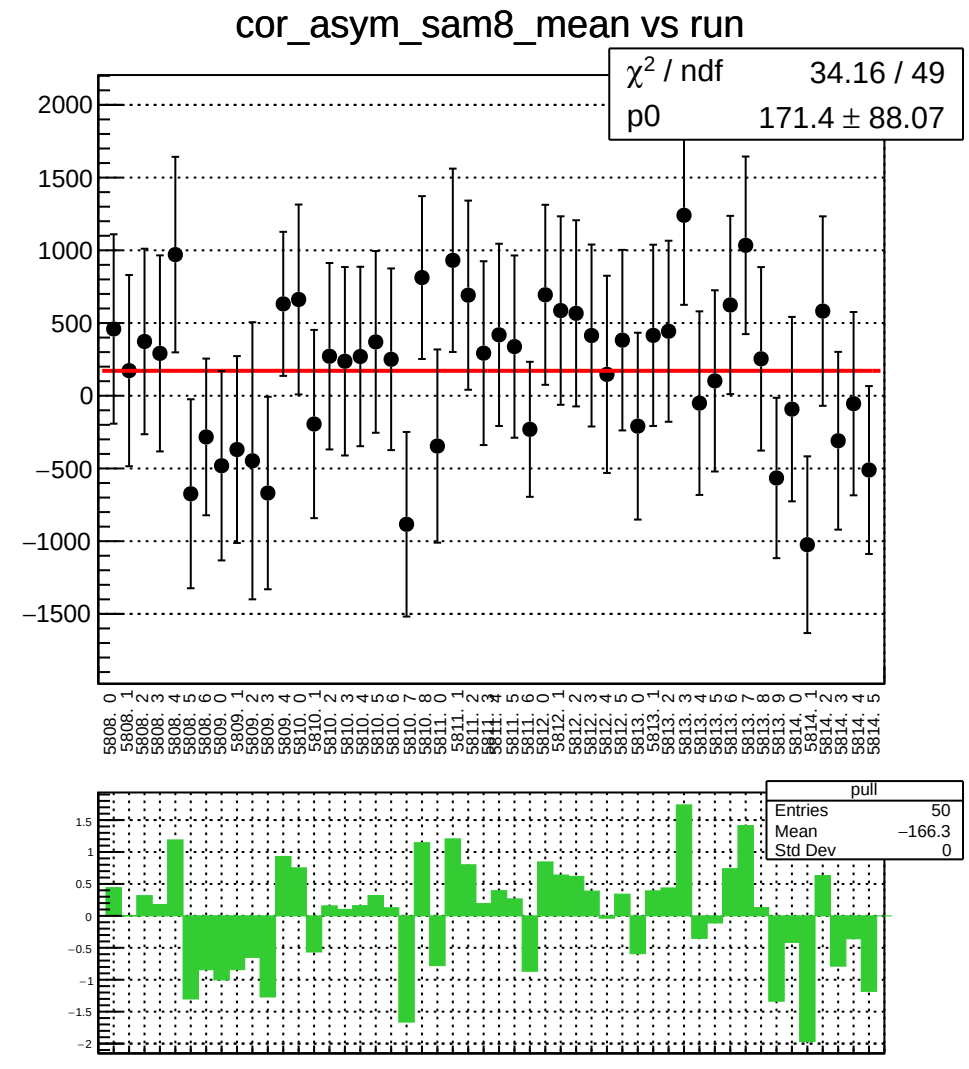
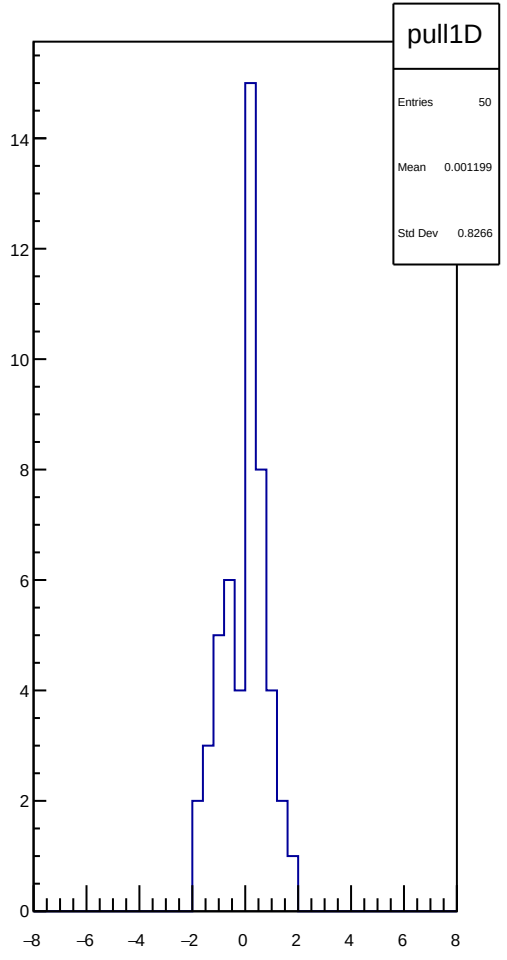
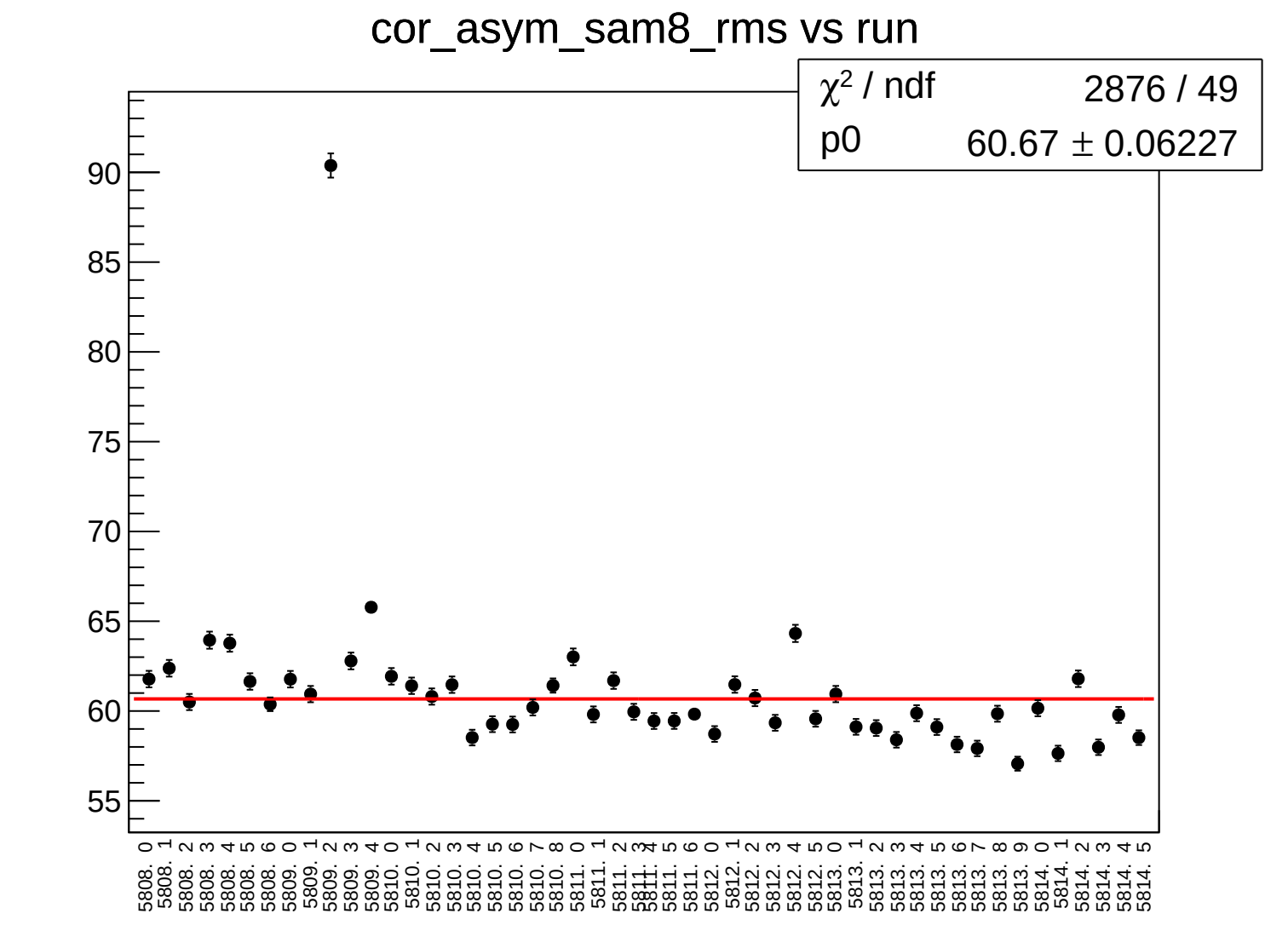
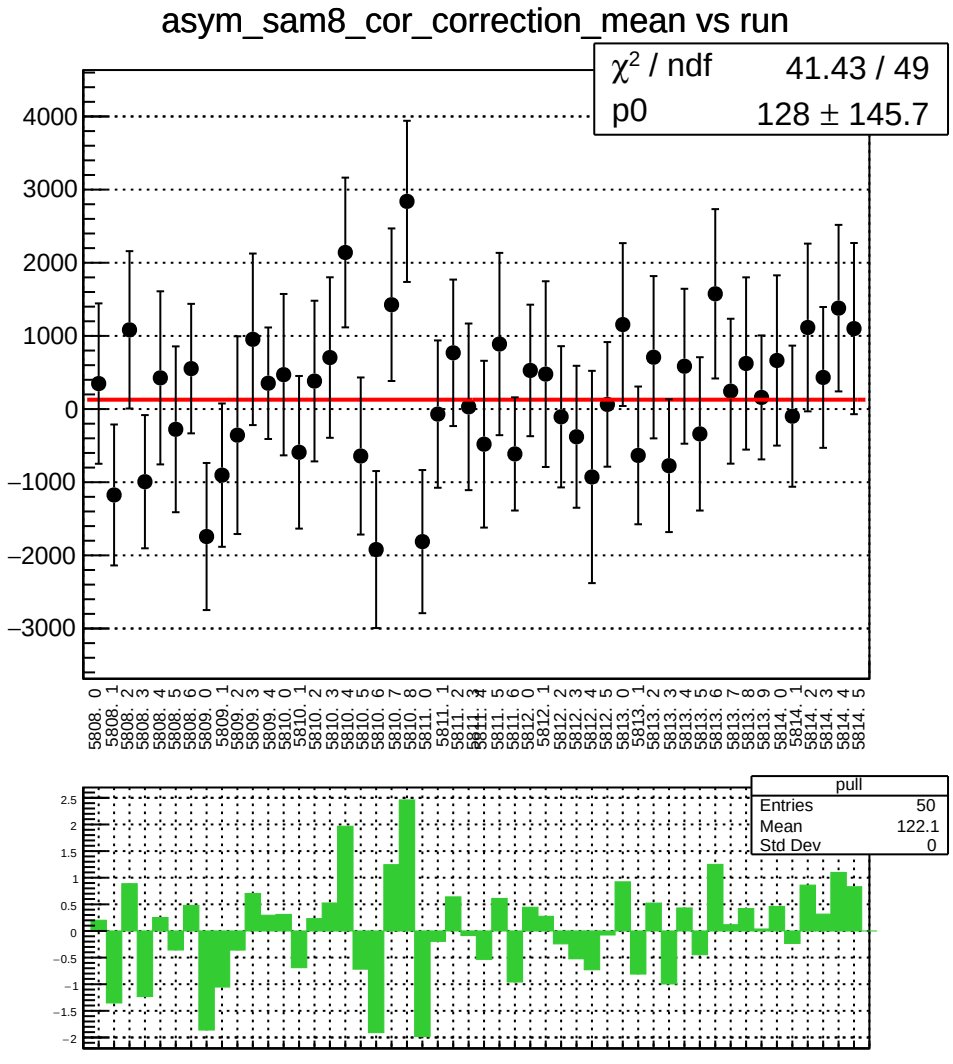
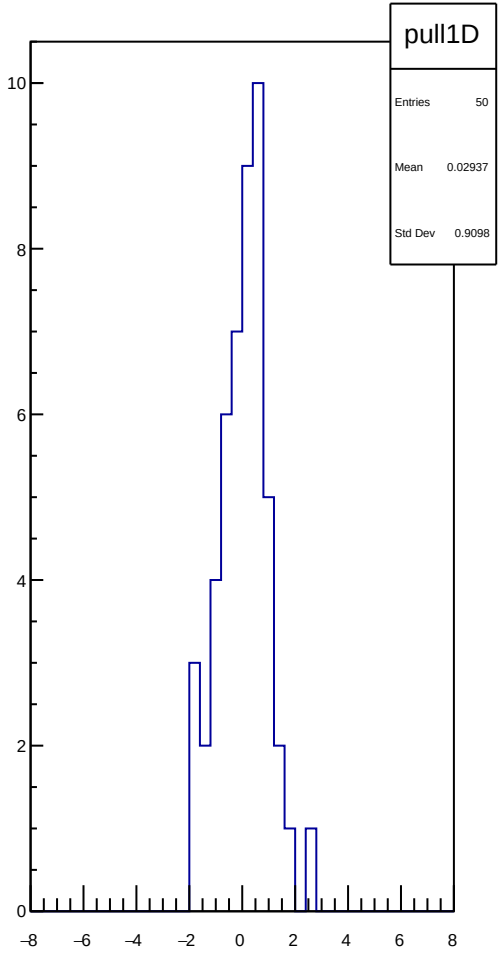
5814. 4
5814. 5

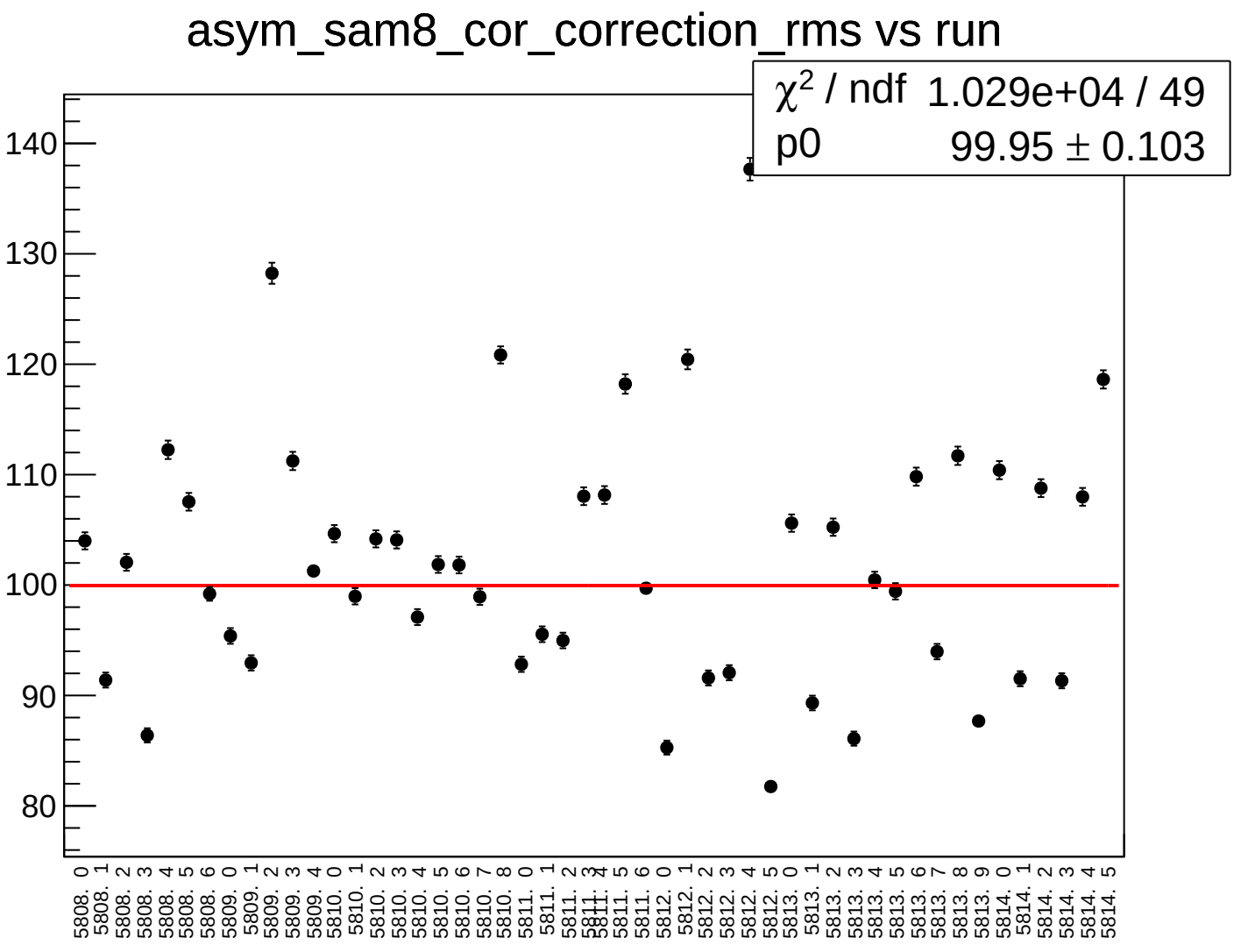

cor_asym_sam8_mean vs run
χ² / ndf 34.16 / 49
p0 171.4 ± 88.07
pull
Entries 50
Mean −166.3
Std Dev 0

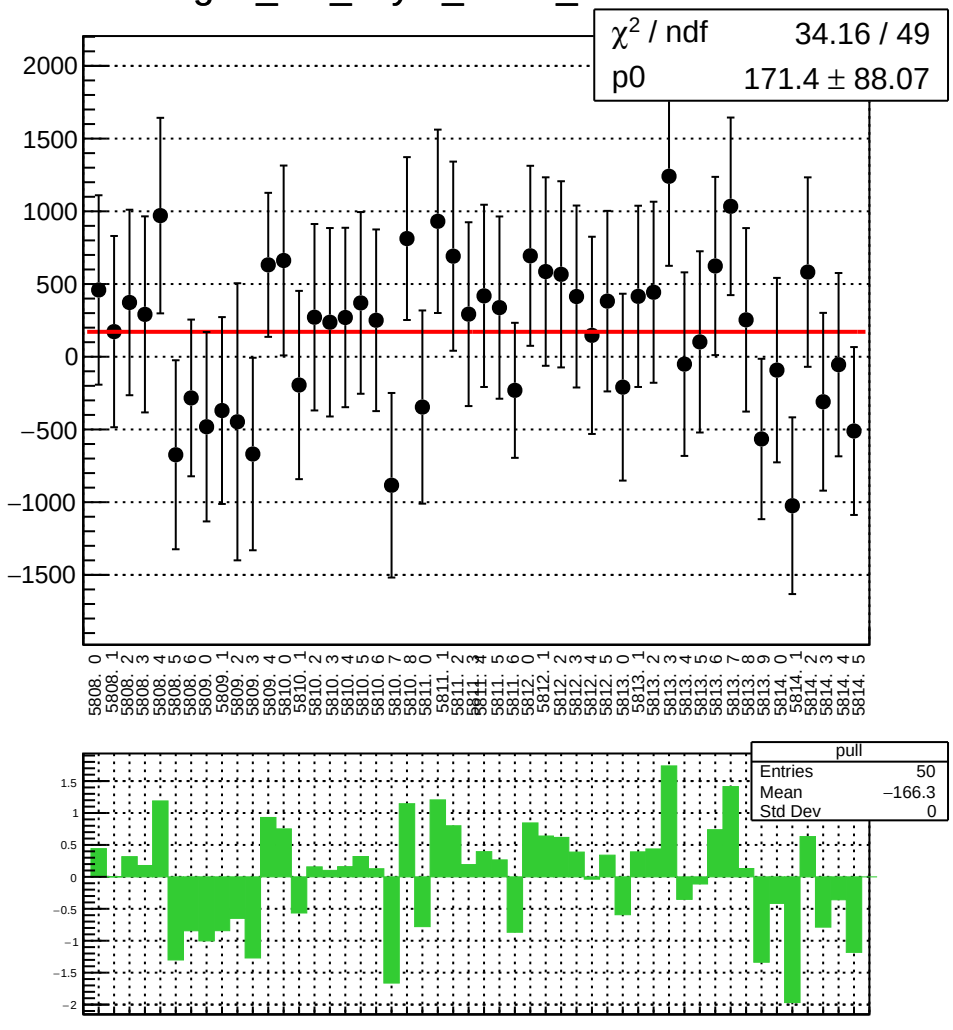

pull1D
Entries 50
Mean 0.001199
Std Dev 0.8266

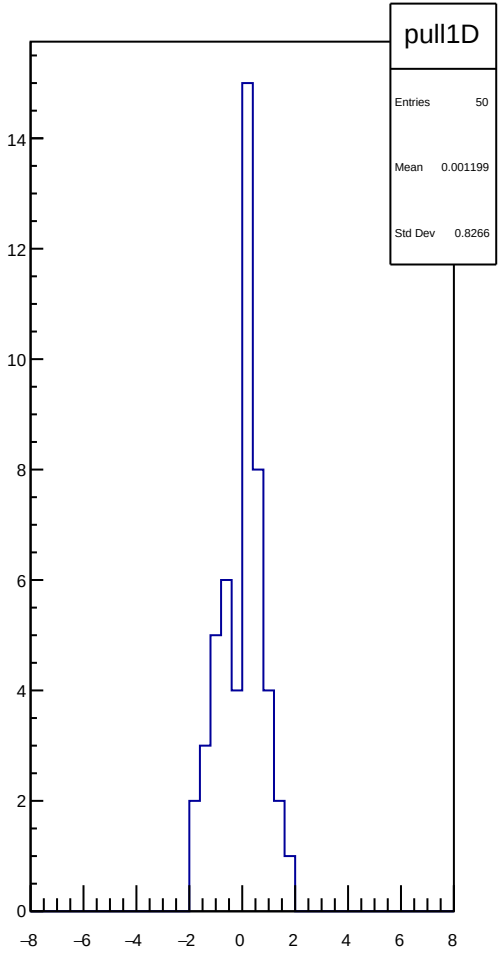

cor_asym_sam8_rms vs run
χ² / ndf 2876 / 49
p0 60.67 ± 0.06227
90
85
80
75
70
65
60
55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

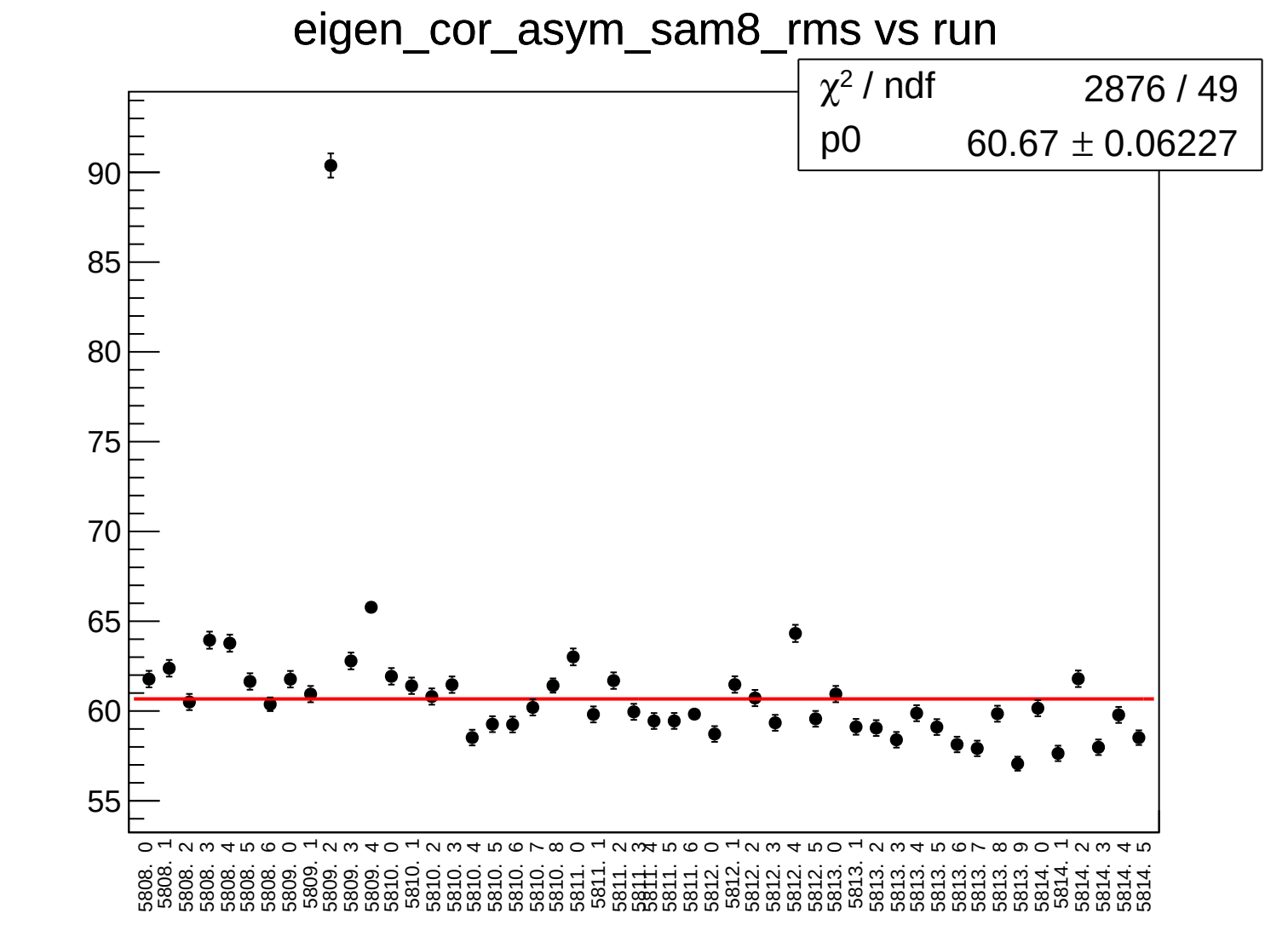

asym_sam8_cor_correction_mean vs run
χ² / ndf 41.43 / 49
p0 128 ± 145.7
pull
Entries 50
Mean 122.1
Std Dev 0


pull1D
Entries 50
Mean 0.02937
Std Dev 0.9098


asym_sam8_cor_correction_rms vs run
χ² / ndf 1.029e+04 / 49
p0 99.95 ± 0.103
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam8_mean vs run
χ² / ndf 34.16 / 49
p0 171.4 ± 88.07
pull
Entries 50
Mean −166.3
Std Dev 0


pull1D
Entries 50
Mean 0.001199
Std Dev 0.8266


eigen_cor_asym_sam8_rms vs run
χ^2 / ndf 2876 / 49
p0 60.67 ± 0.06227
90
85
80
75
70
65
60
55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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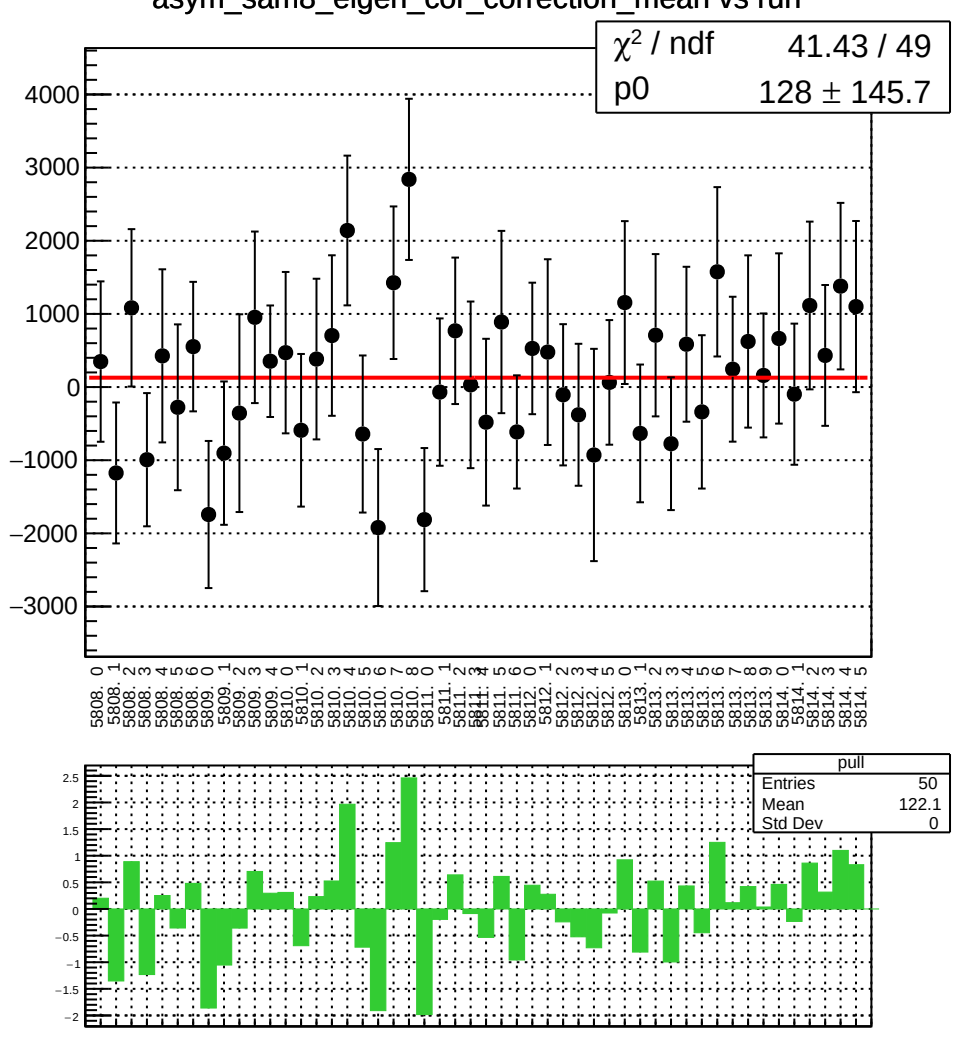
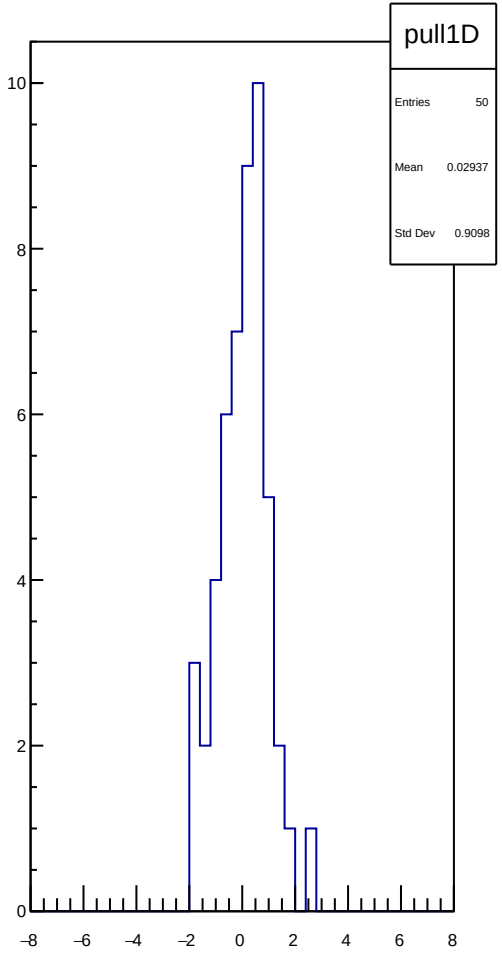
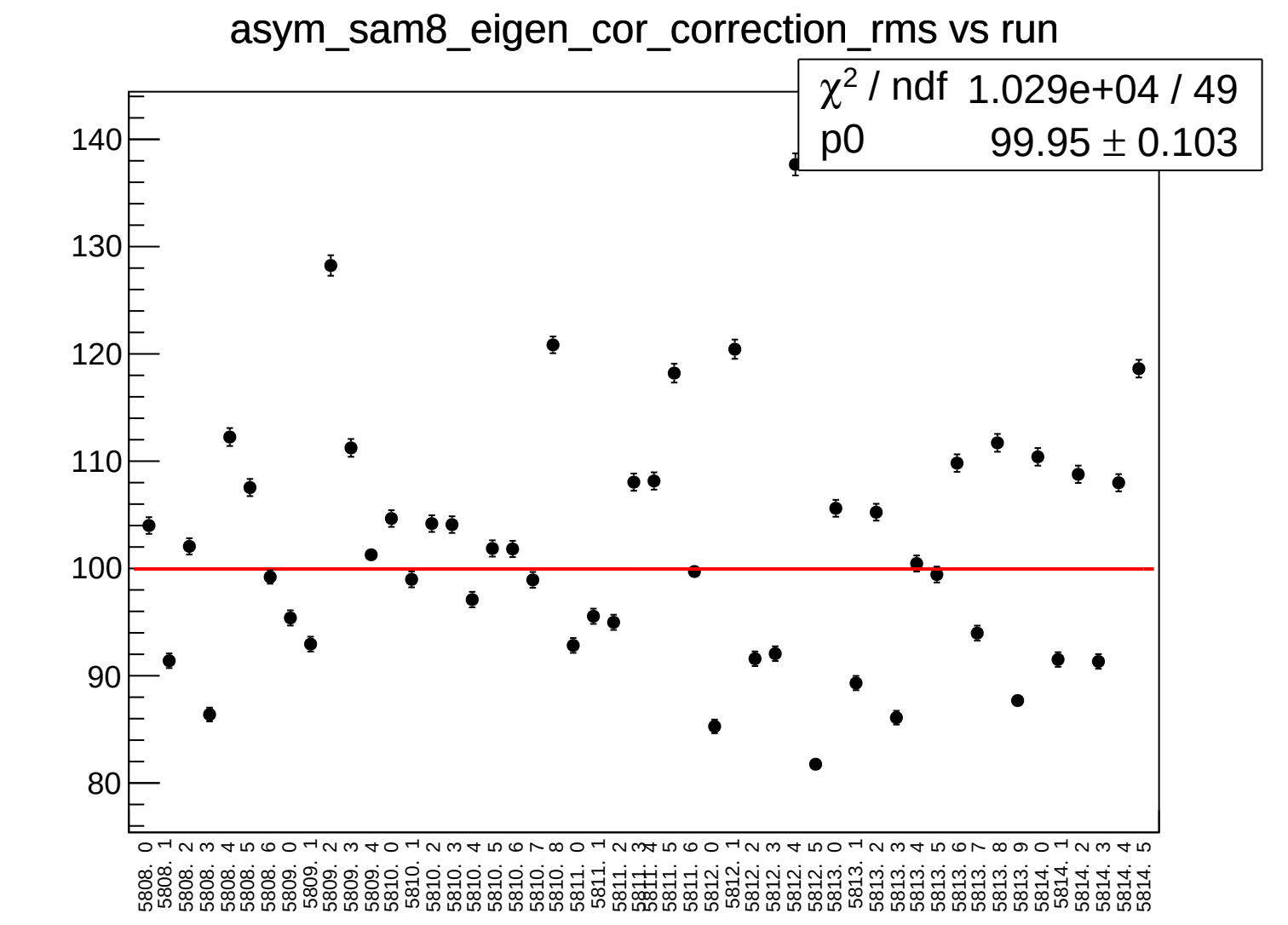
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 41.43 / 49
p0 128 ± 145.7
pull
Entries 50
Mean 122.1
Std Dev 0


pull1D
Entries 50
Mean 0.02937
Std Dev 0.9098


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 1.029e+04 / 49
p0 99.95 ± 0.103
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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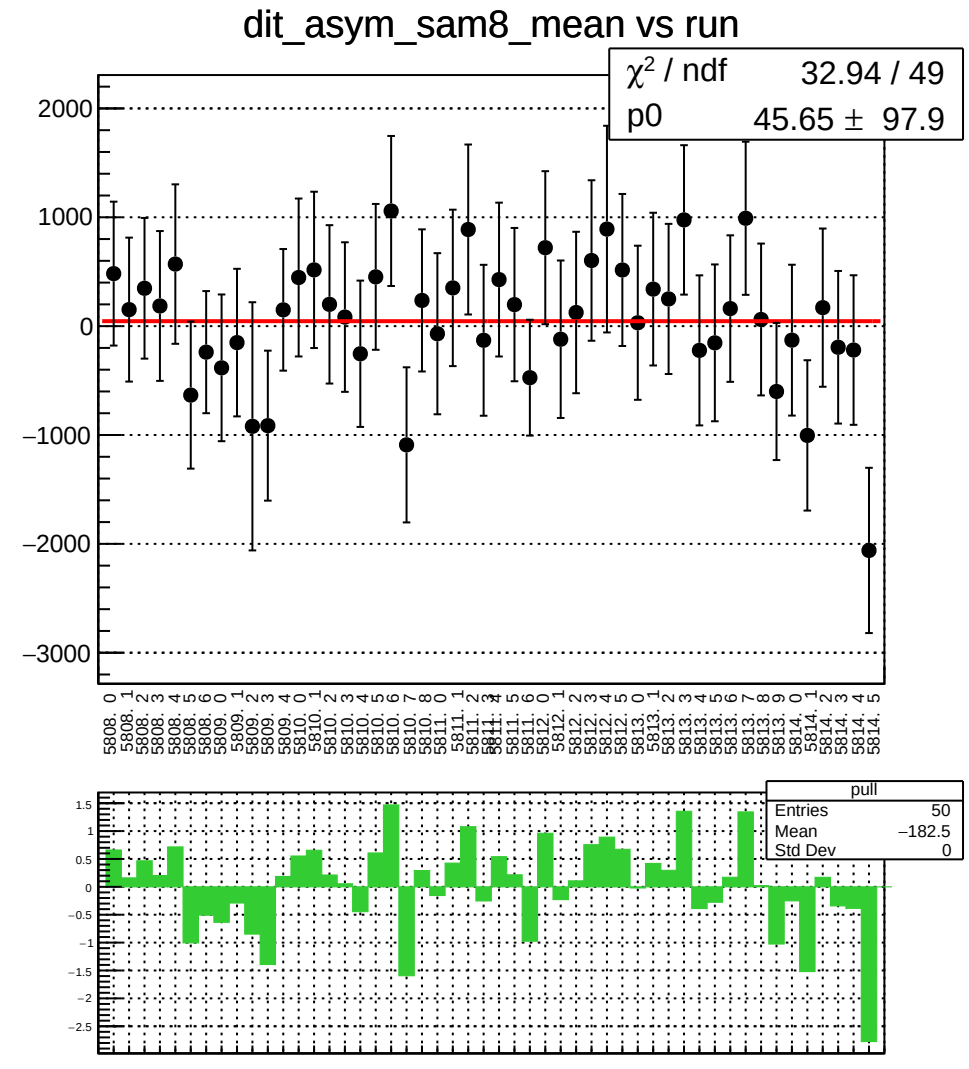
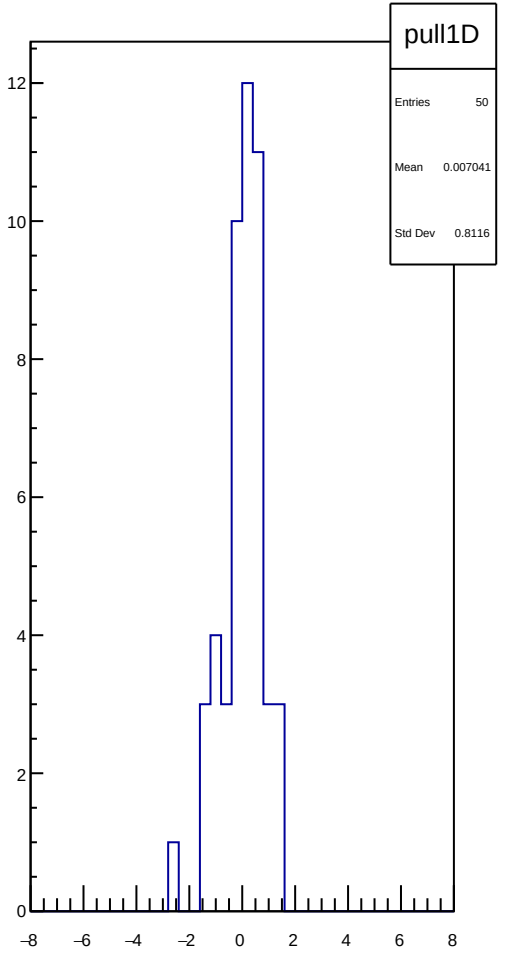
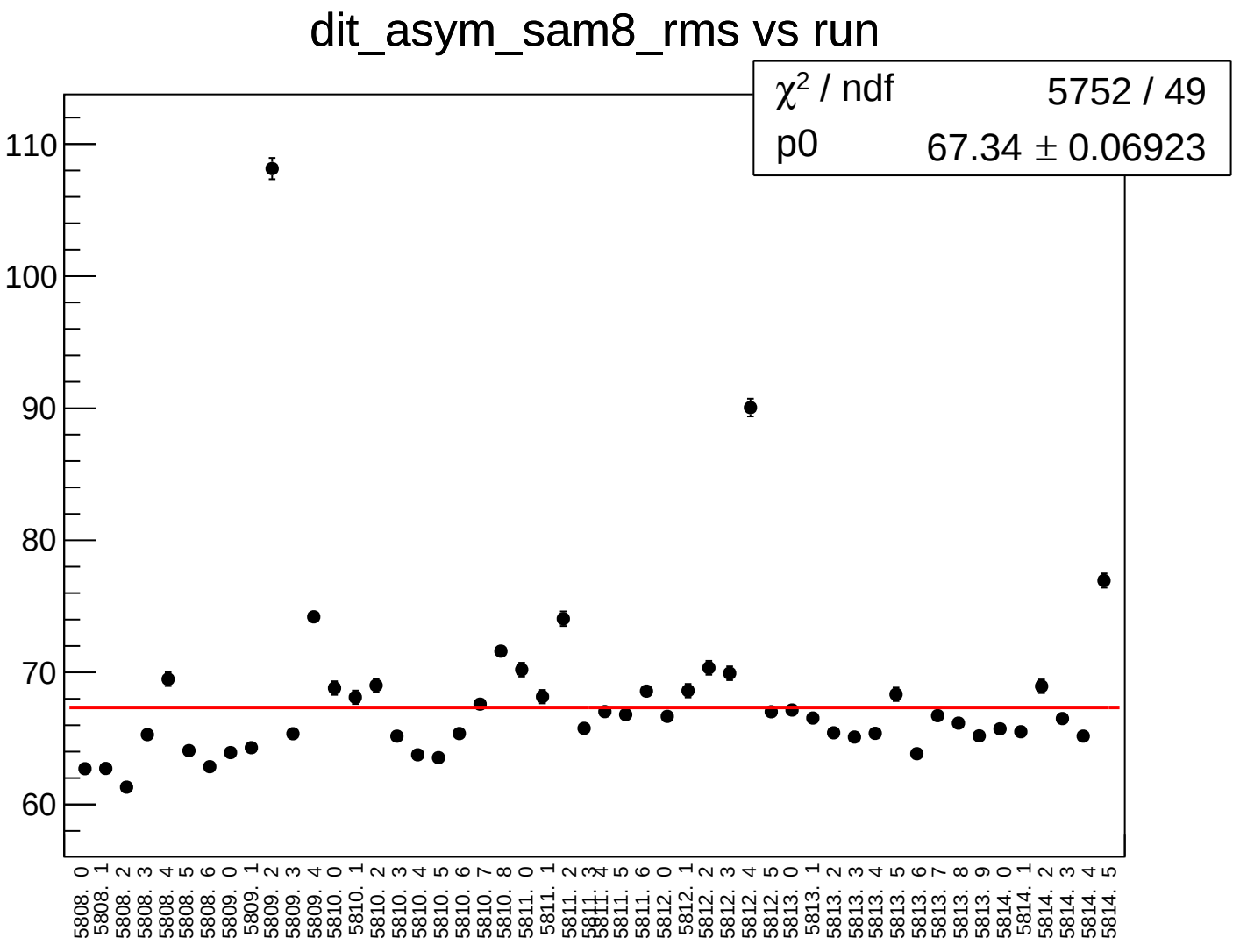
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam8_mean vs run
χ² / ndf 32.94 / 49
p0 45.65 ± 97.9
pull
Entries 50
Mean −182.5
Std Dev 0


pull1D
Entries 50
Mean 0.007041
Std Dev 0.8116


dit_asym_sam8_rms vs run
χ² / ndf 5752 / 49
p0 67.34 ± 0.06923
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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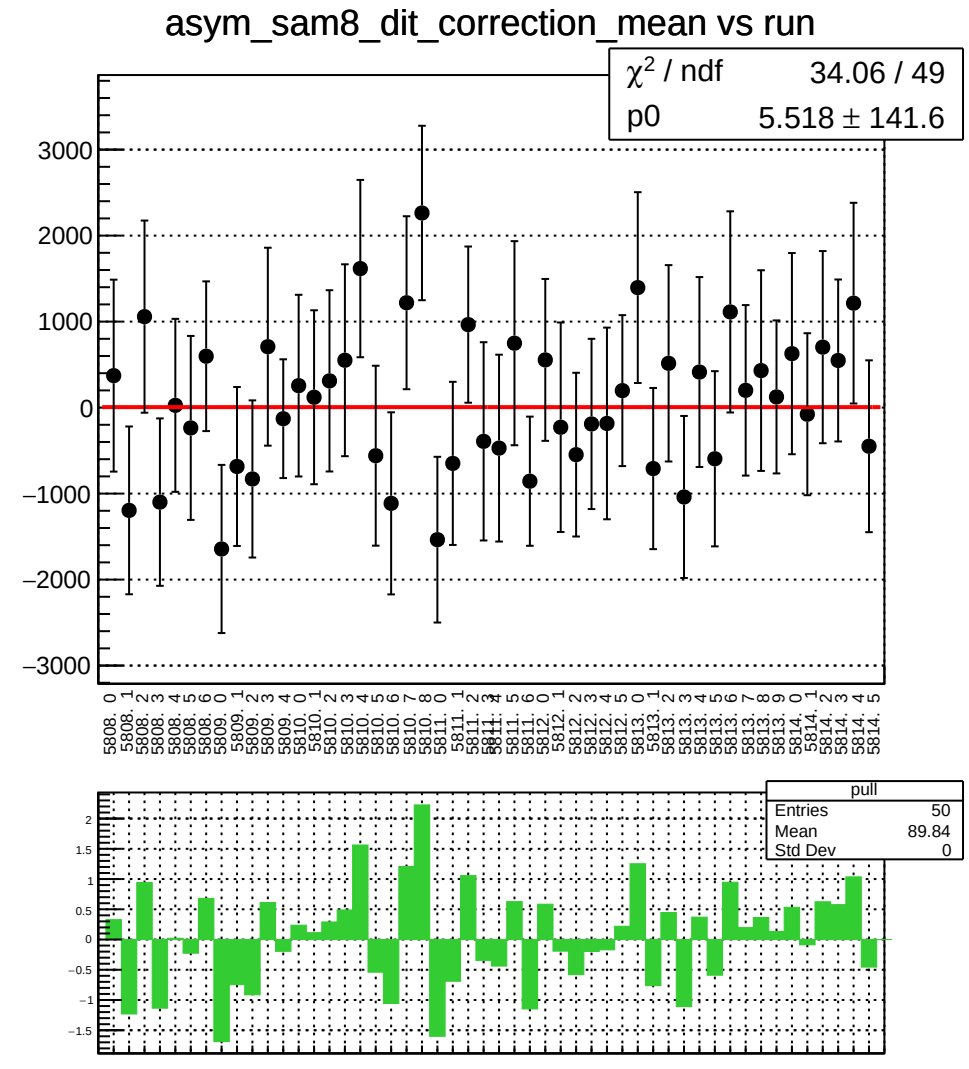
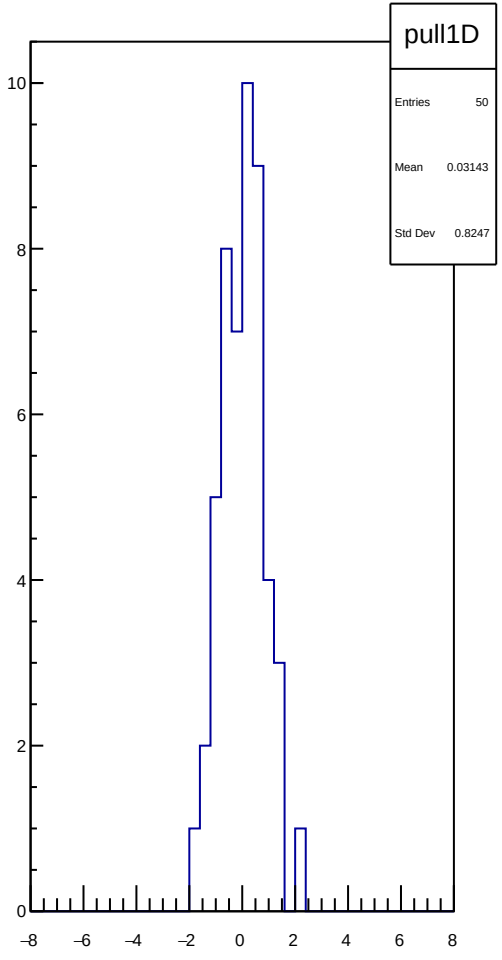
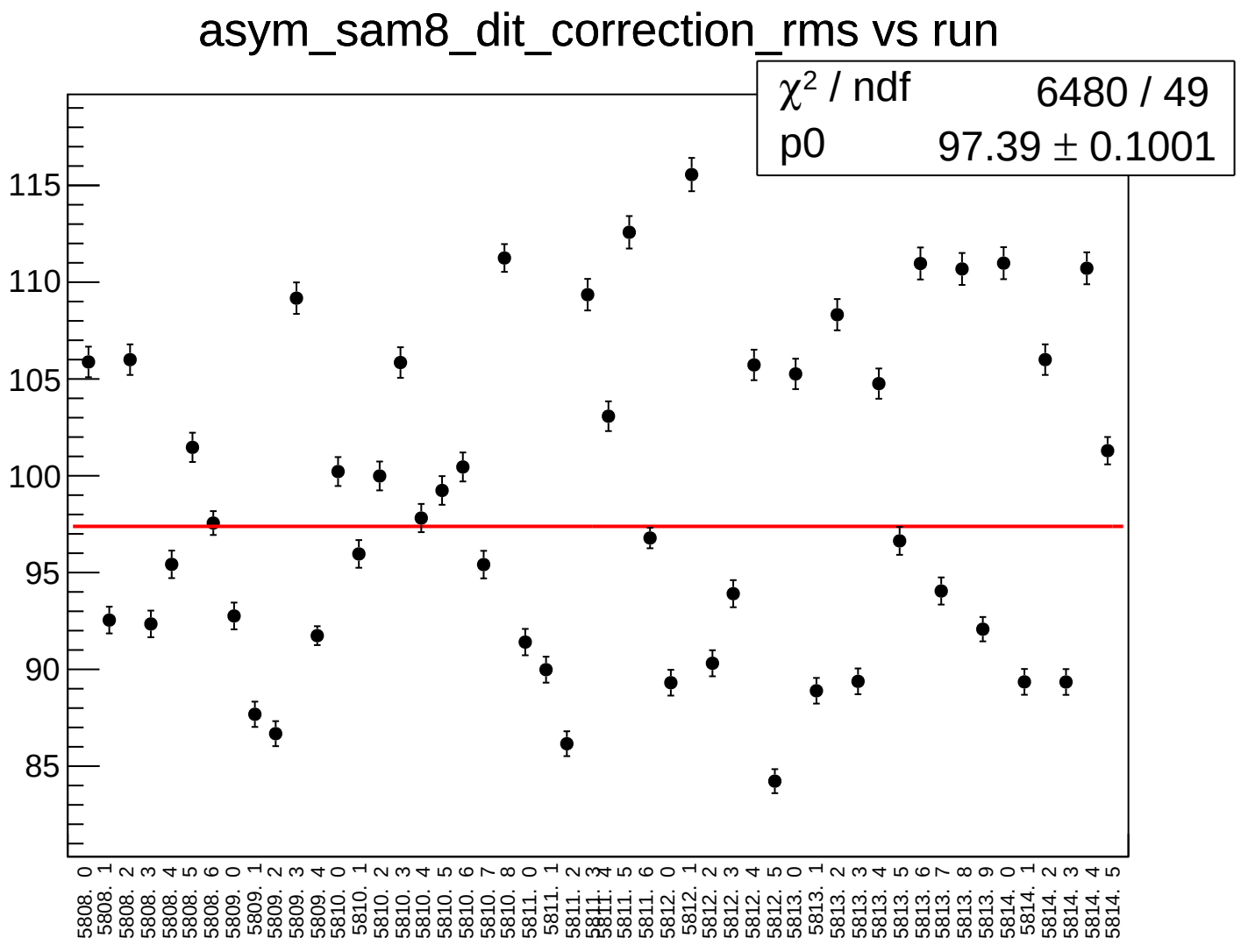
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam8_dit_correction_mean vs run
χ² / ndf 34.06 / 49
p0 5.518 ± 141.6
pull
Entries 50
Mean 89.84
Std Dev 0


pull1D
Entries 50
Mean 0.03143
Std Dev 0.8247


asym_sam8_dit_correction_rms vs run
χ² / ndf 6480 / 49
p0 97.39 ± 0.1001
115
110
105
100
95
90
85
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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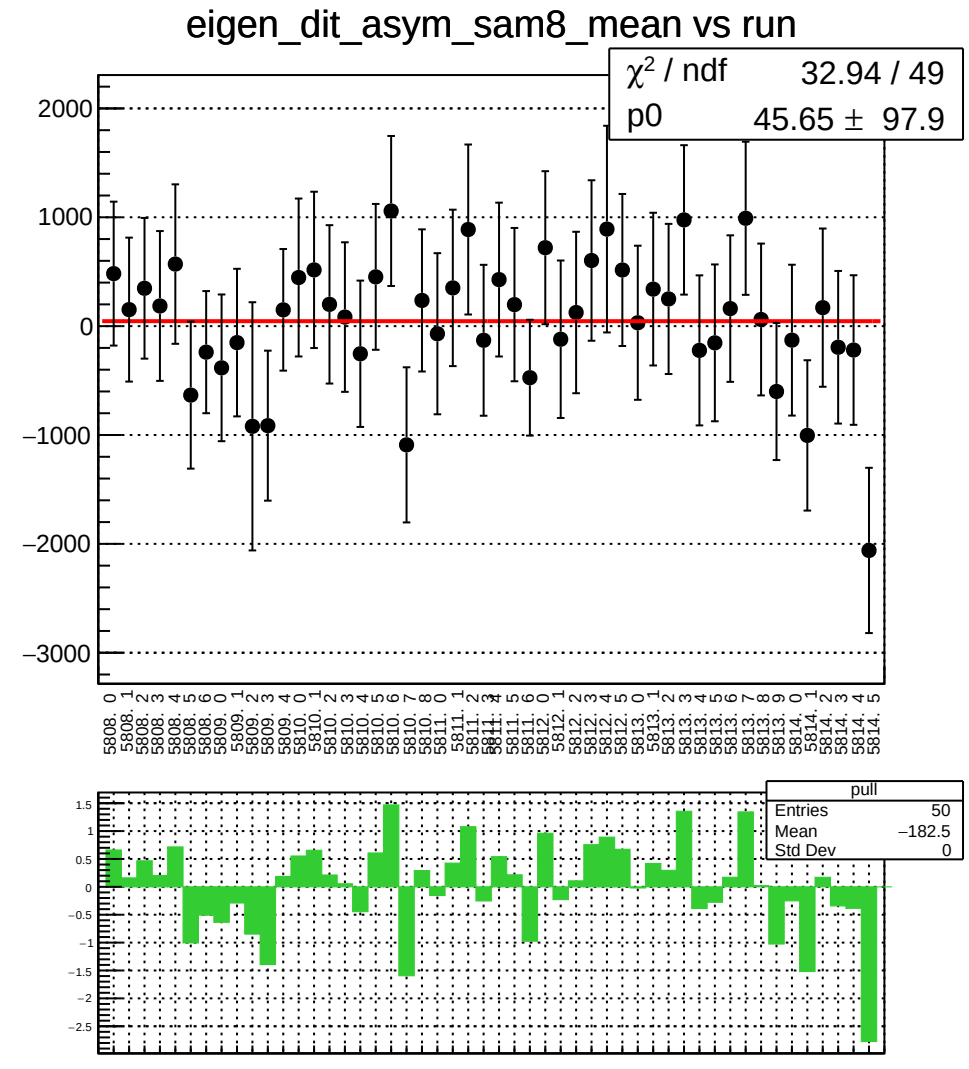
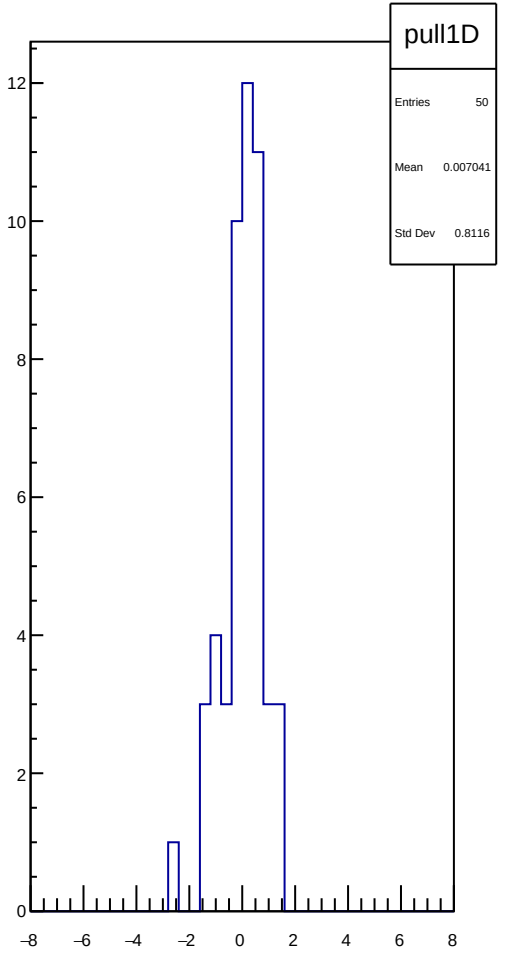
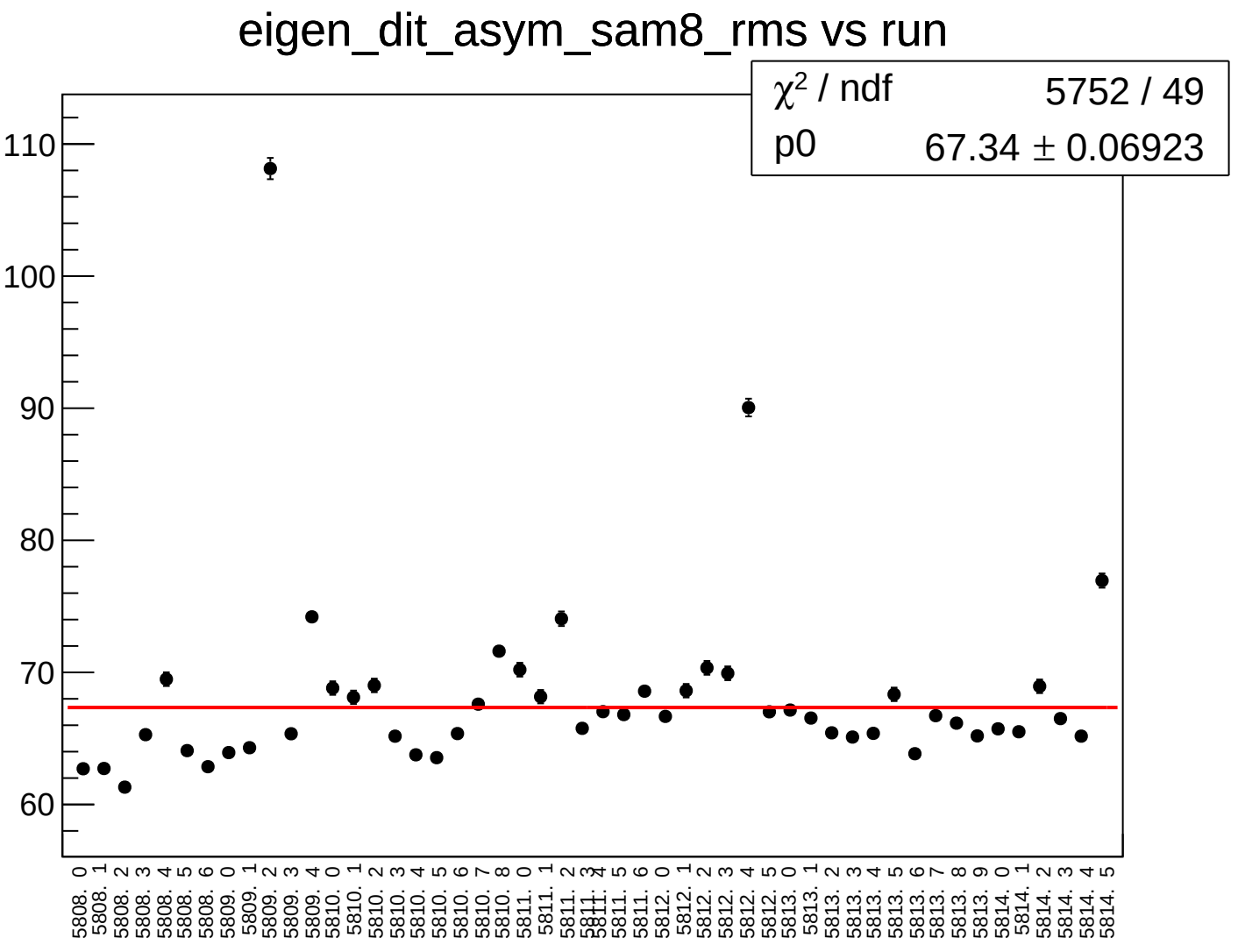
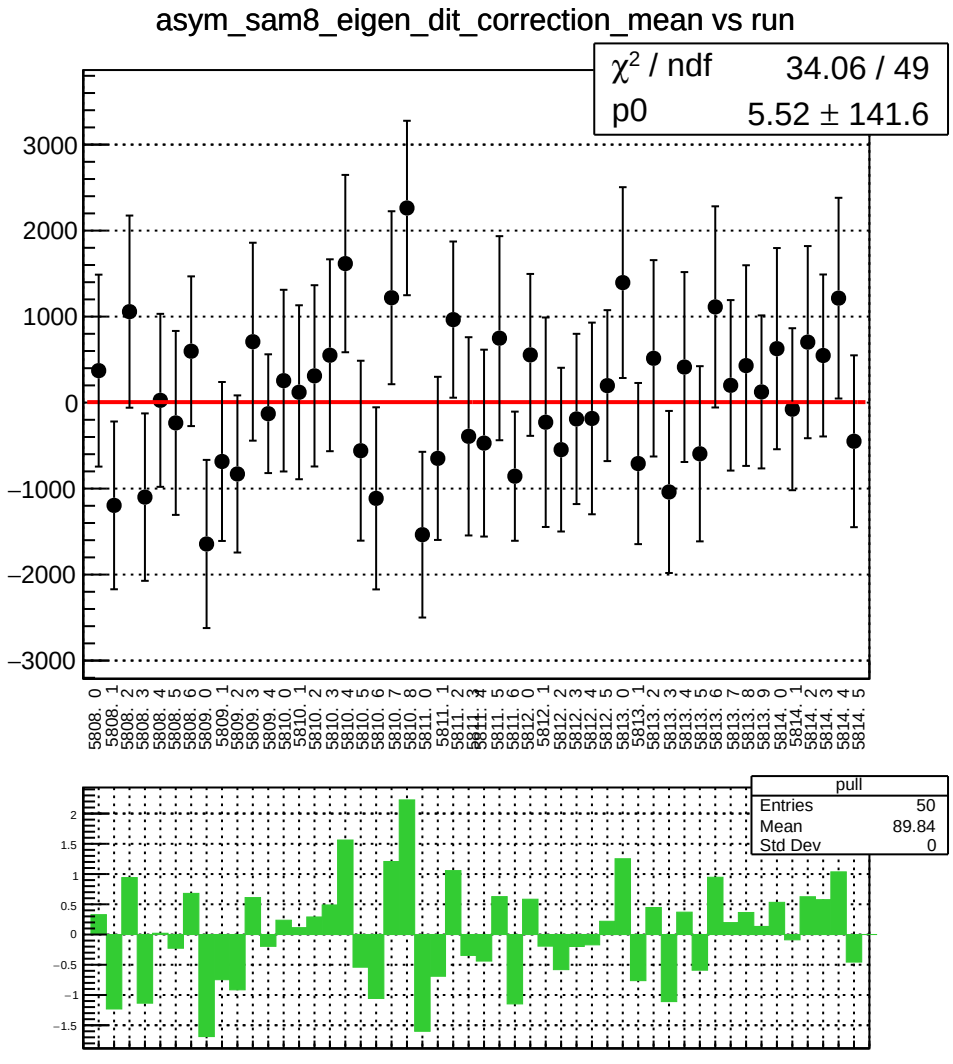
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam8_mean vs run
χ² / ndf 32.94 / 49
p0 45.65 ± 97.9
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean −182.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 50
Mean 0.007041
Std Dev 0.8116
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam8_rms vs run
χ² / ndf 5752 / 49
p0 67.34 ± 0.06923
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 34.06 / 49
p0 5.52 ± 141.6
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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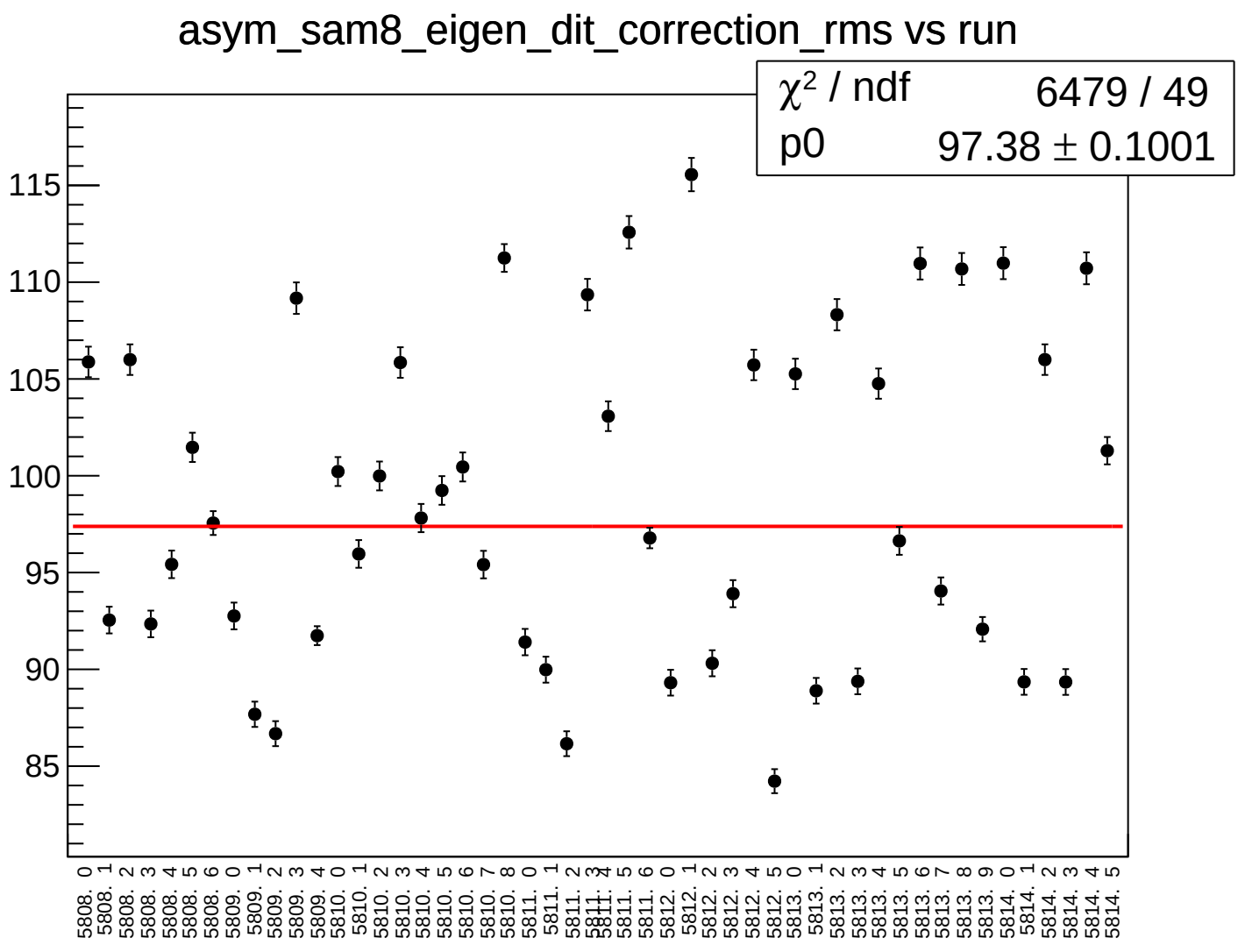
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 89.84
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.03143
Std Dev 0.8247
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 6479 / 49
p0 97.38 ± 0.1001
115
110
105
100
95
90
85
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
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5811. 2
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5811. 6
5812. 0
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5812. 2
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5813. 2
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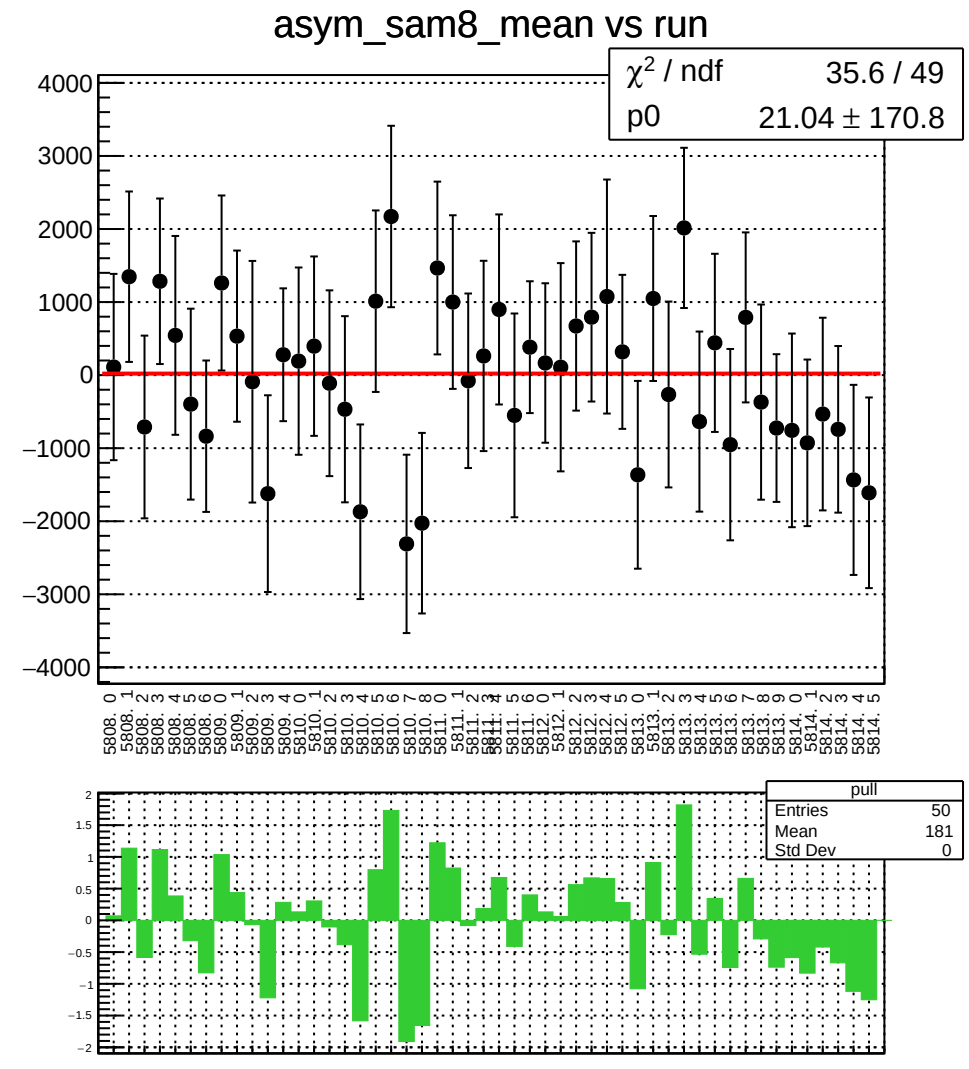
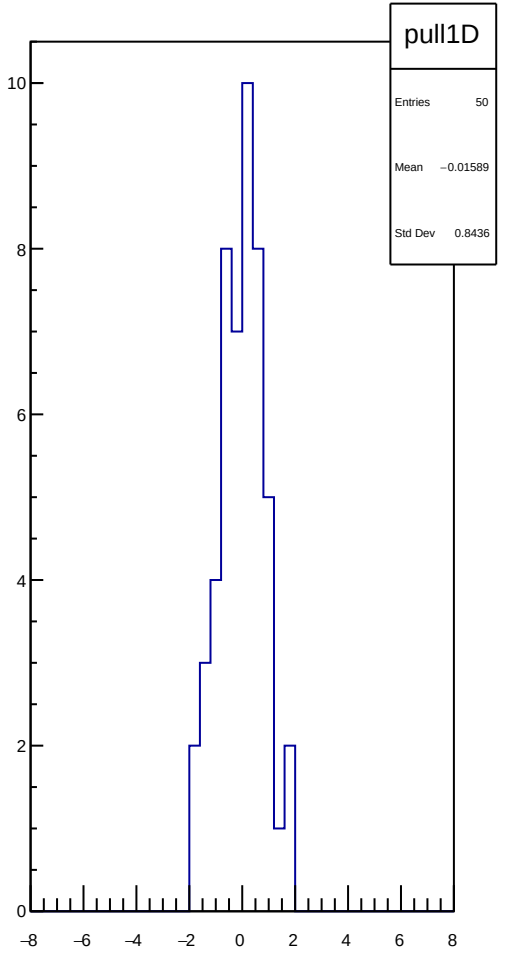
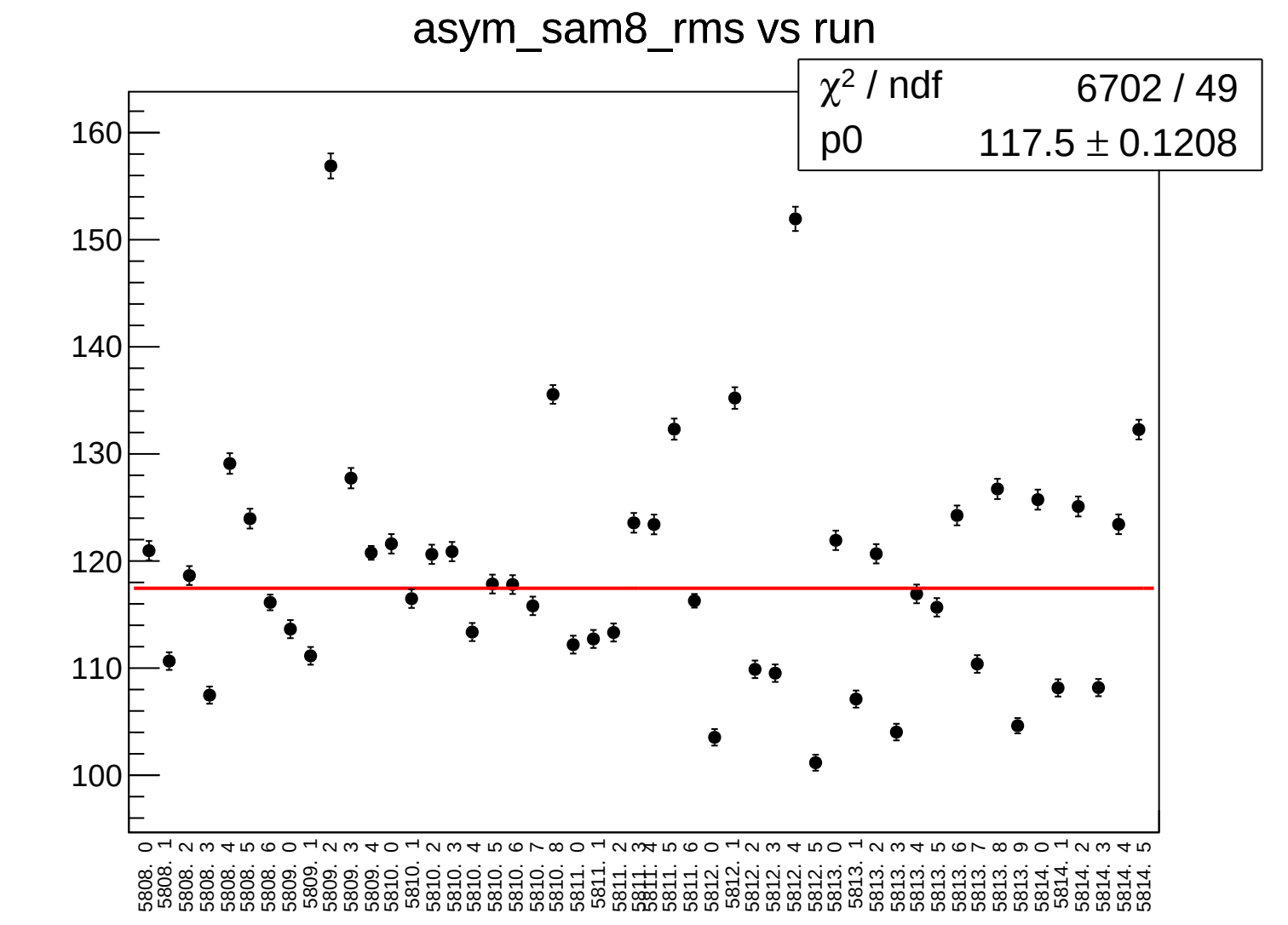
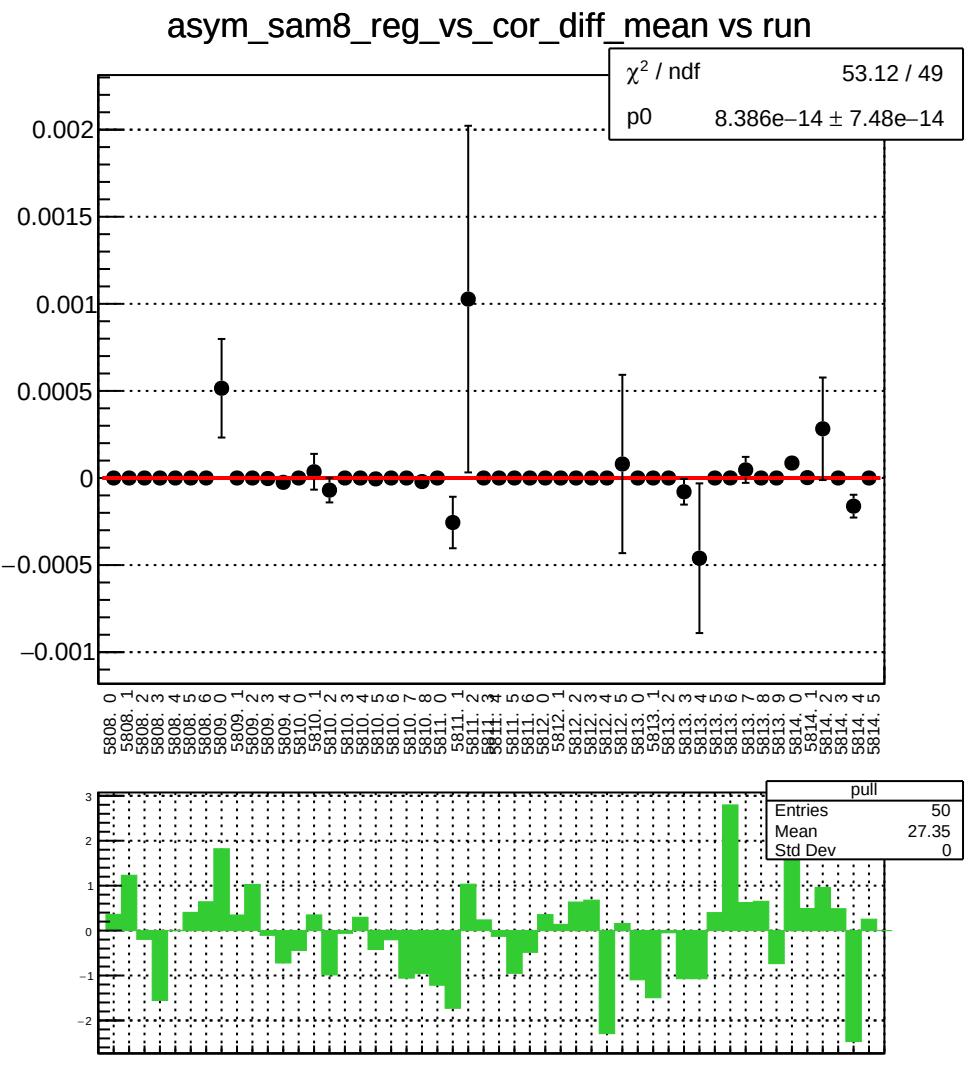
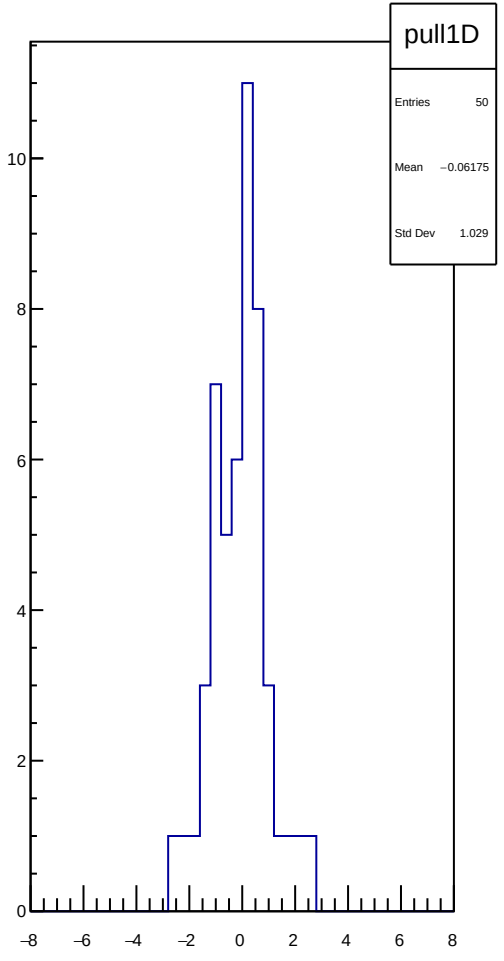
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

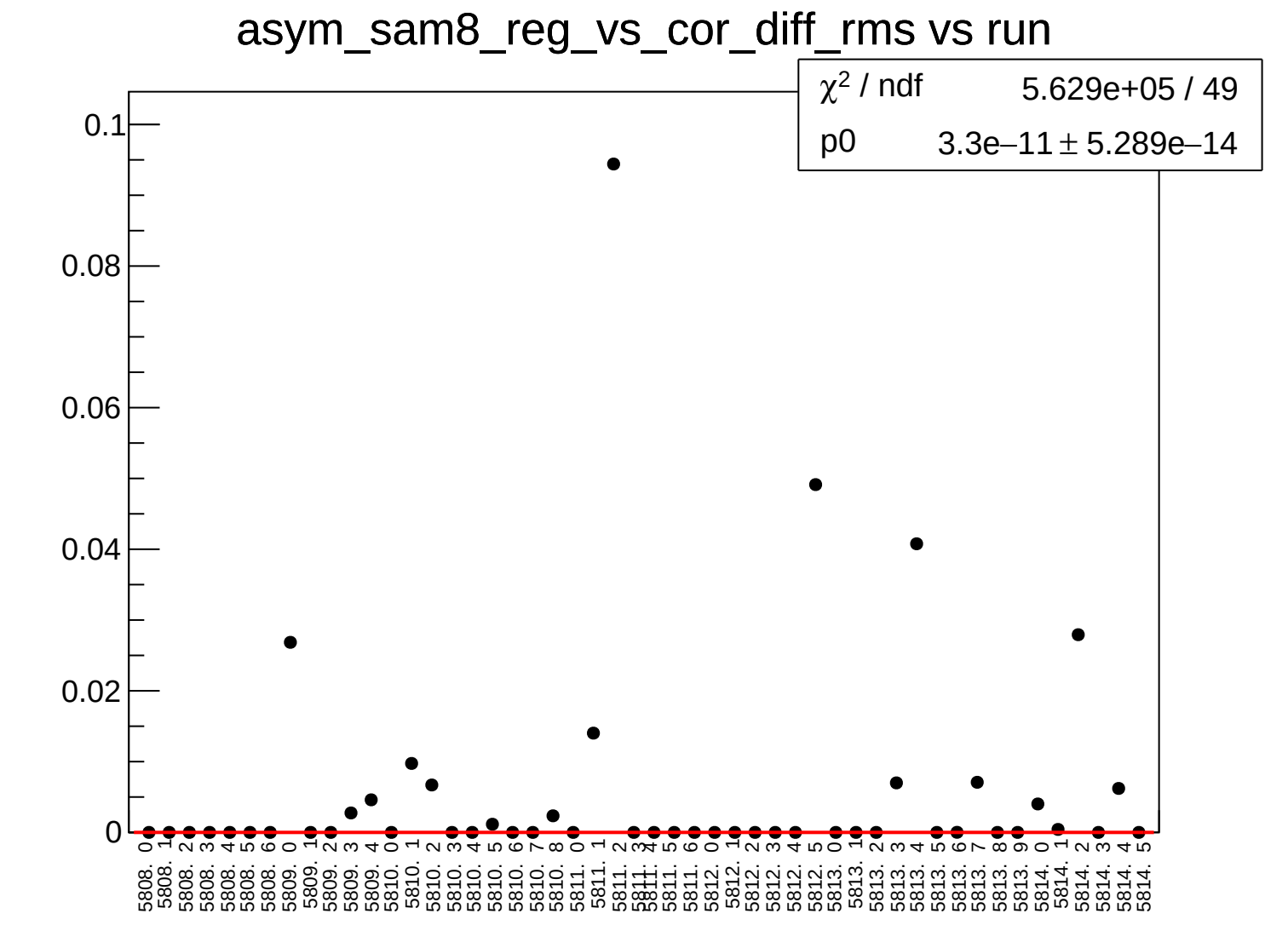

asym_sam8_mean vs run
χ² / ndf 35.6 / 49
p0 21.04 ± 170.8
pull
Entries 50
Mean 181
Std Dev 0

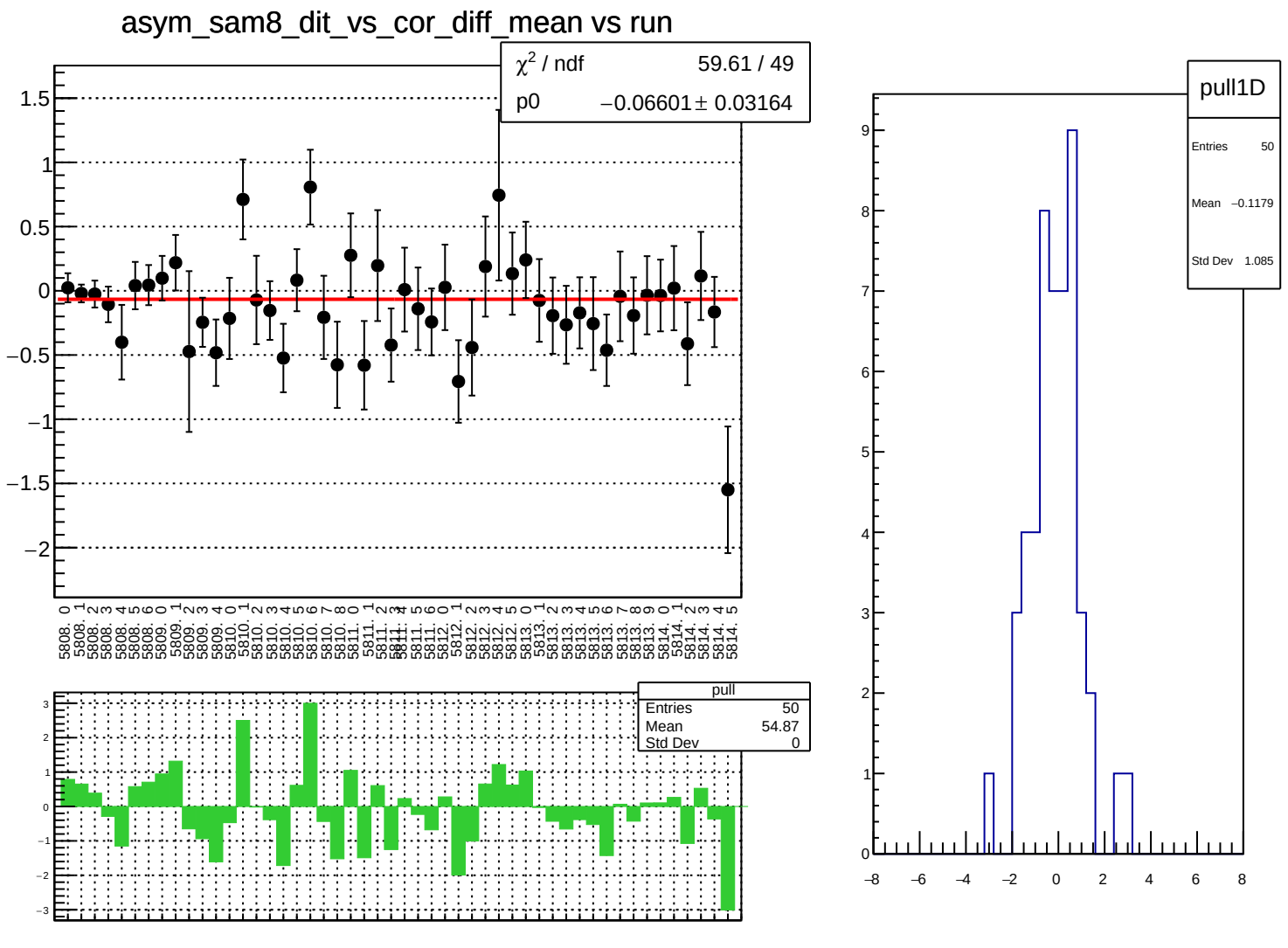

pull1D
Entries 50
Mean −0.01589
Std Dev 0.8436

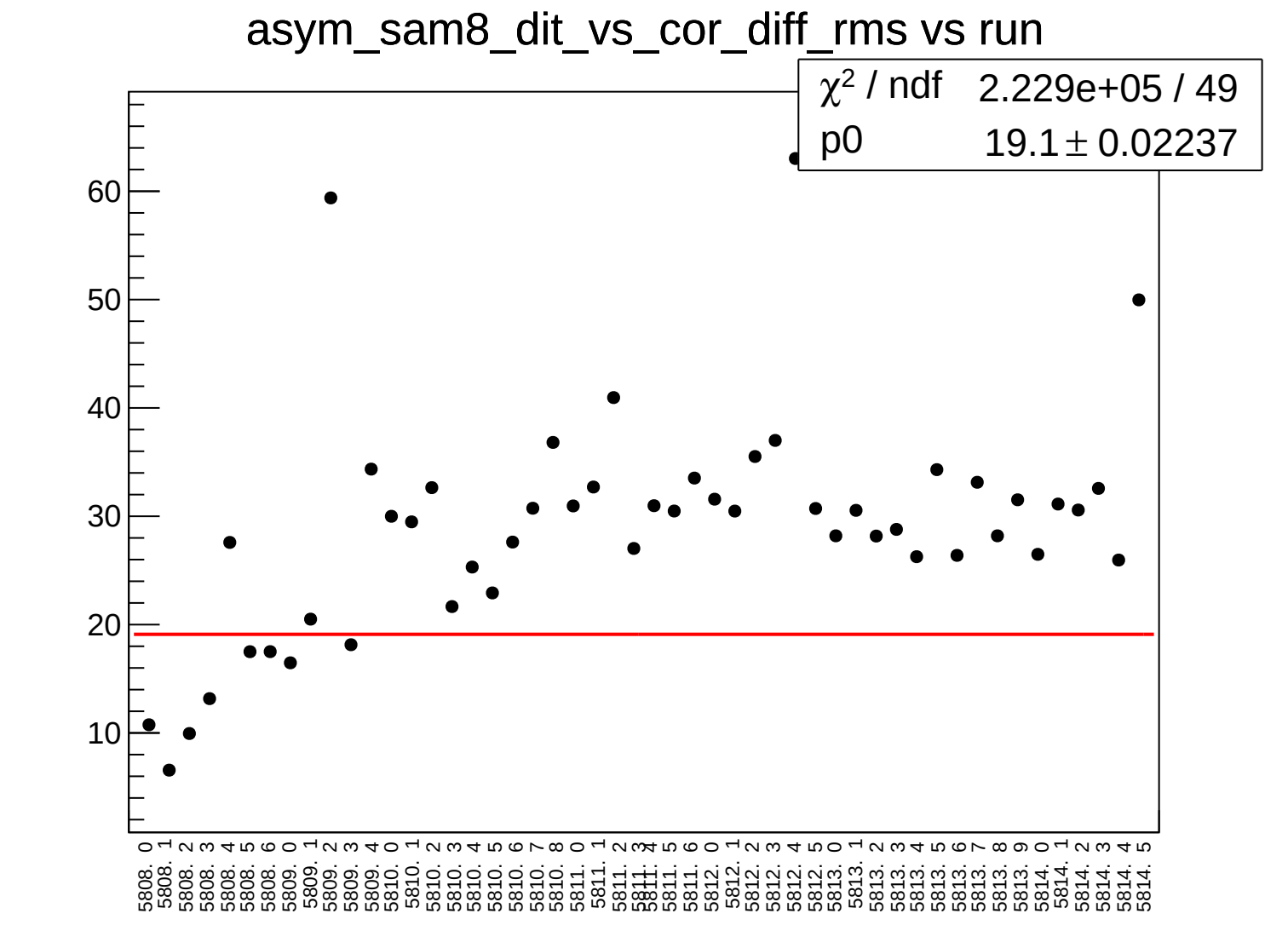

asym_sam8_rms vs run
χ² / ndf 6702 / 49
p0 117.5 ± 0.1208
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

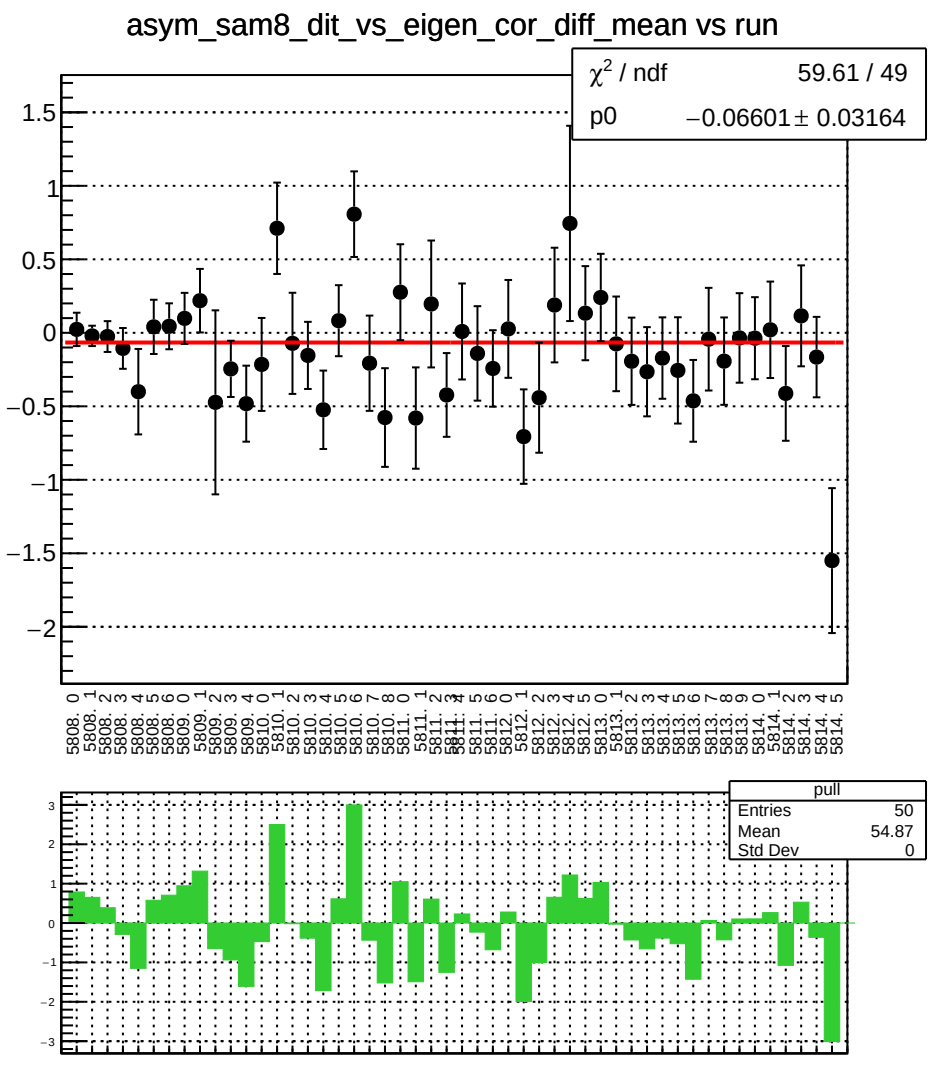

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 53.12 / 49
p0 8.386e−14 ± 7.48e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 50
Mean 27.35
Std Dev 0

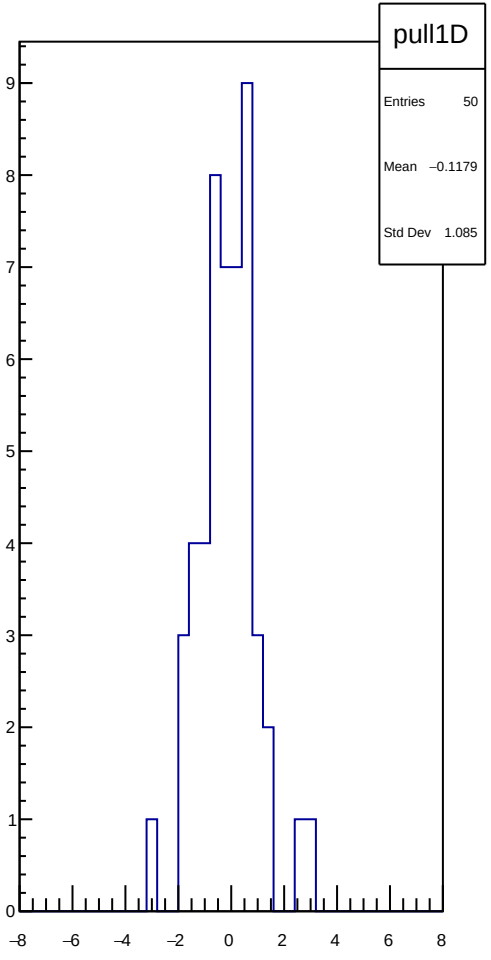

pull1D
Entries 50
Mean −0.06175
Std Dev 1.029

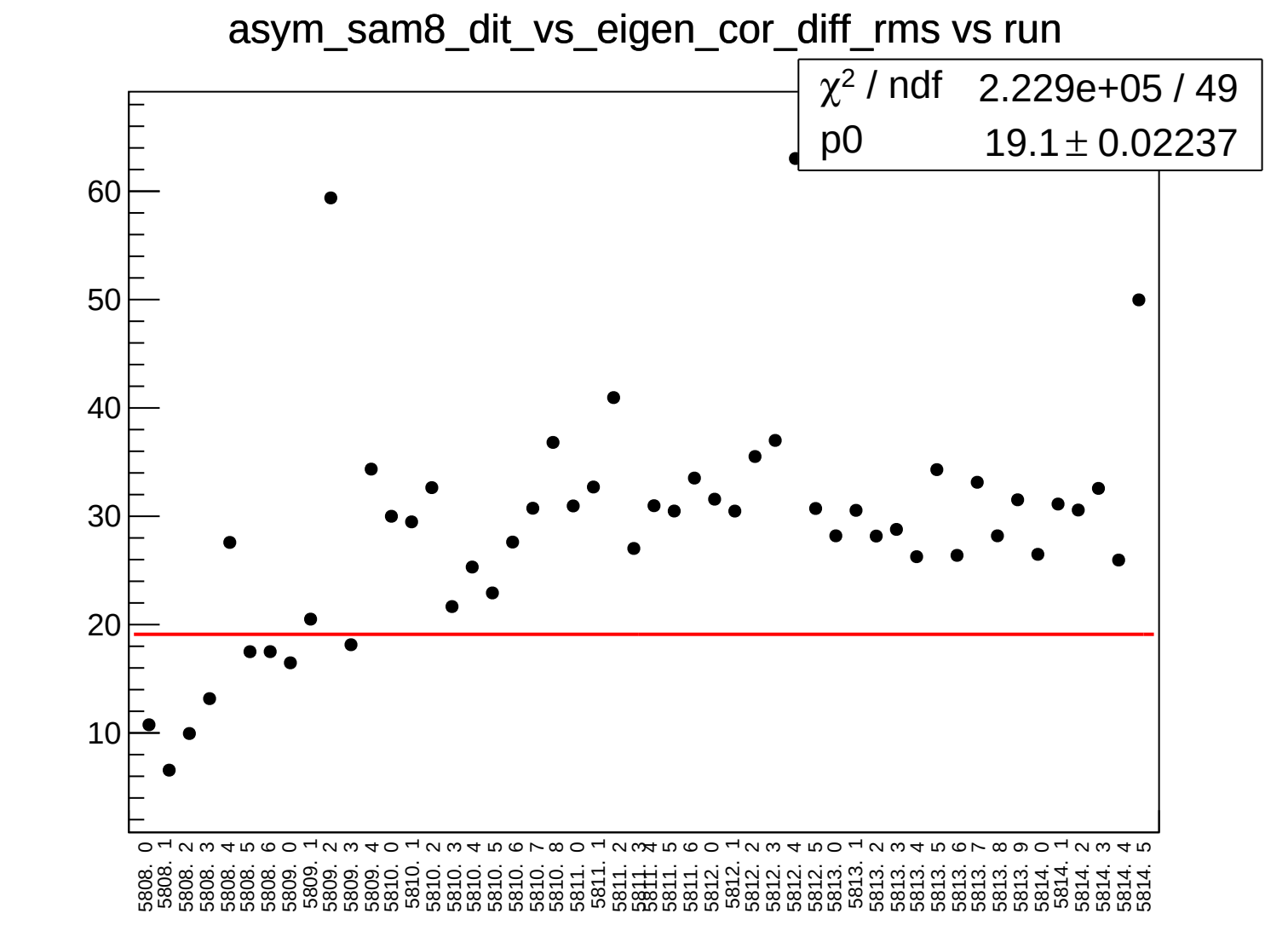

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.629e+05 / 49
p0 3.3e−11 ± 5.289e−14
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

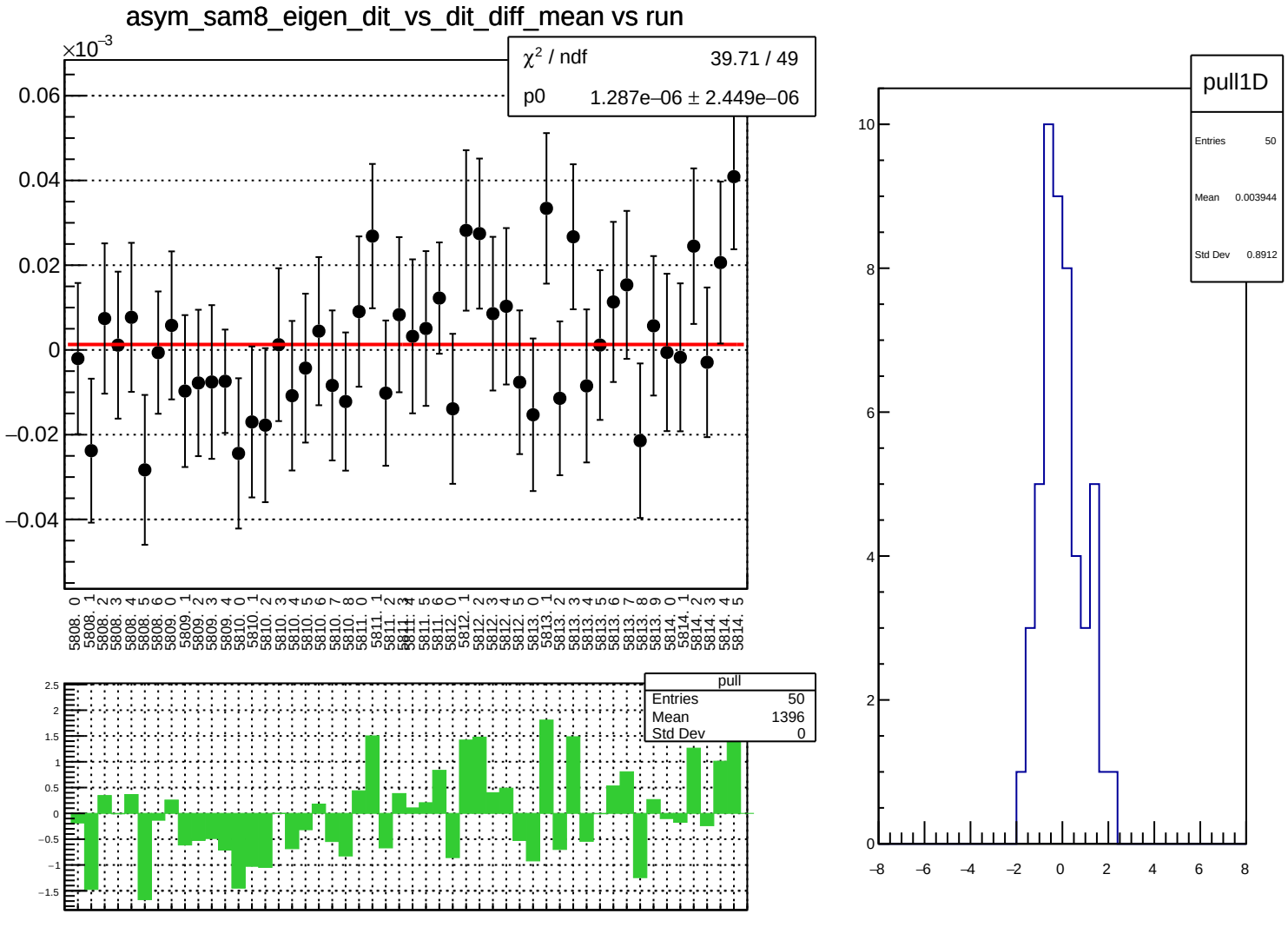

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 59.61 / 49
p0 −0.06601 ± 0.03164
pull
Entries 50
Mean 54.87
Std Dev 0
pull1D
Entries 50
Mean −0.1179
Std Dev 1.085

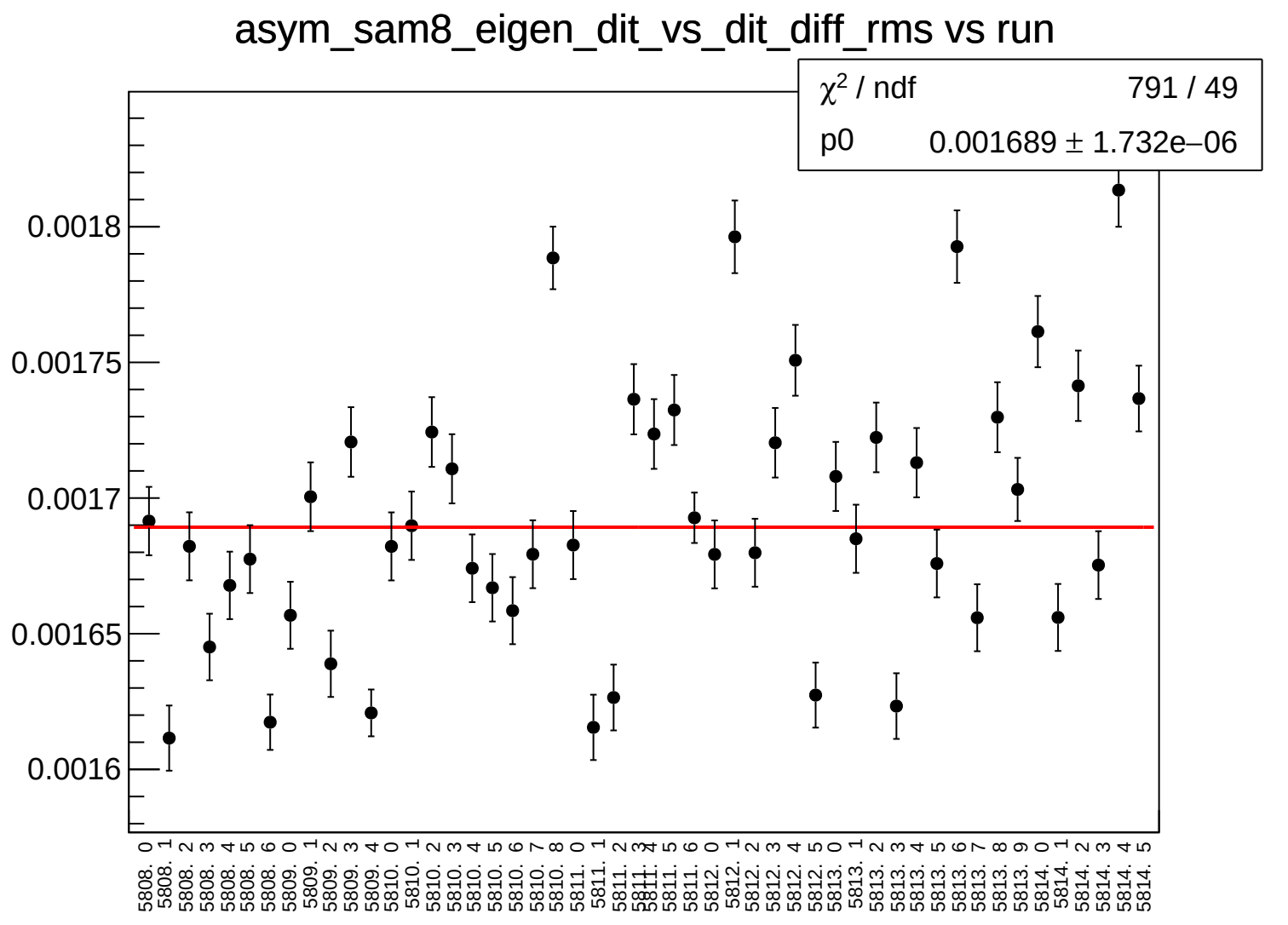

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 49
p0 19.1 ± 0.02237
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

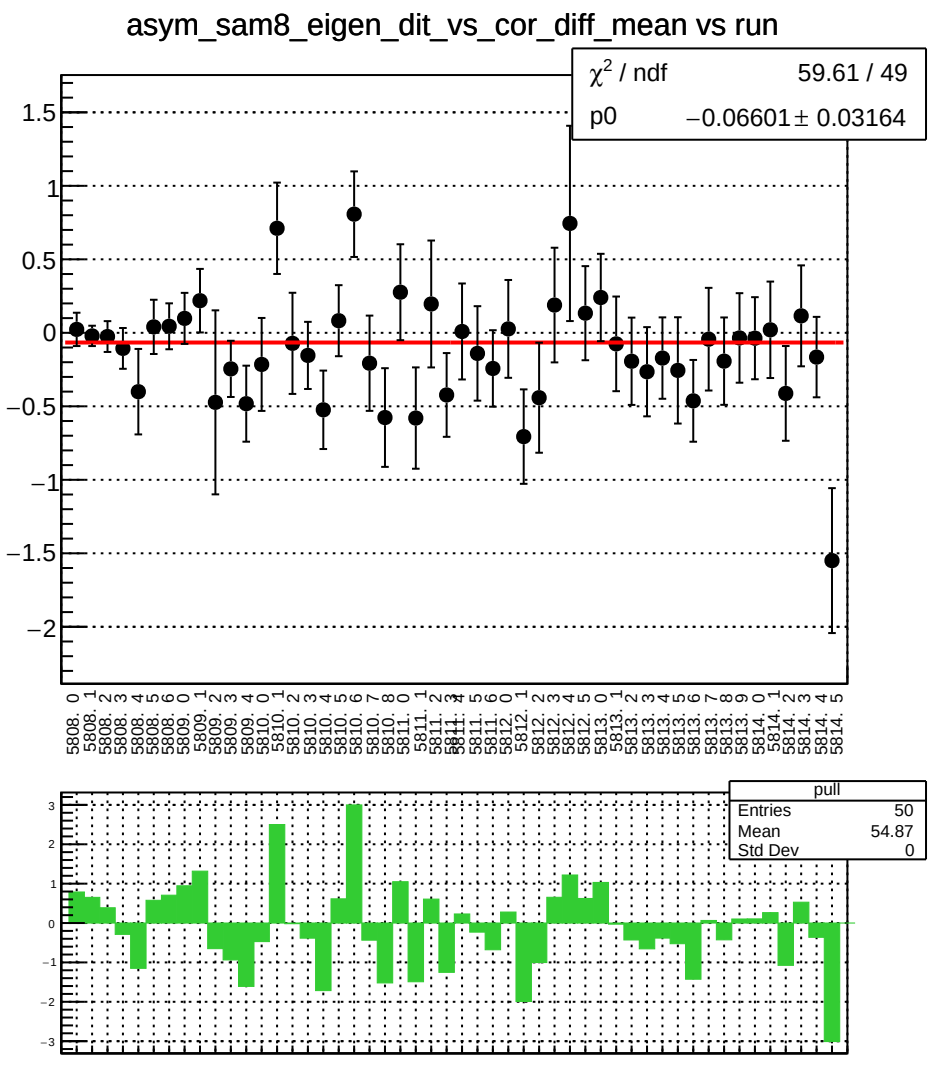

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.61 / 49
p0 −0.06601 ± 0.03164
pull
Entries 50
Mean 54.87
Std Dev 0

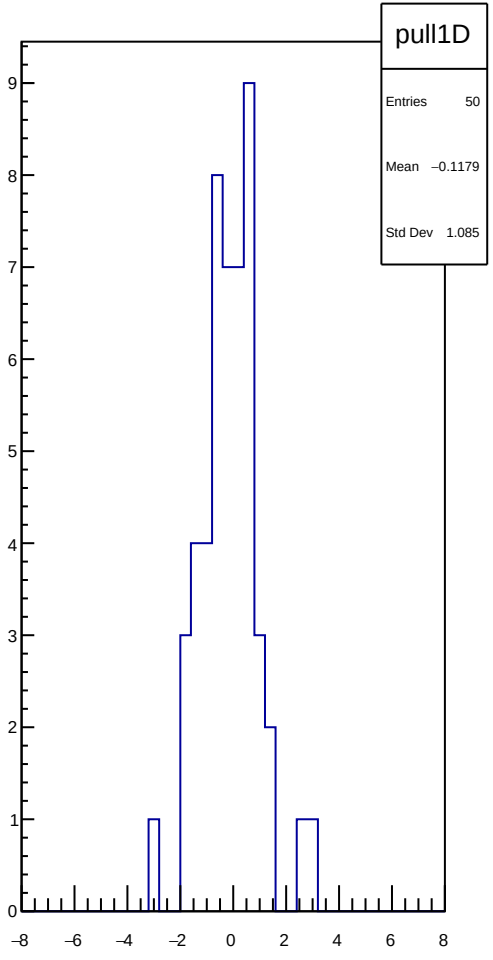

pull1D
Entries 50
Mean −0.1179
Std Dev 1.085

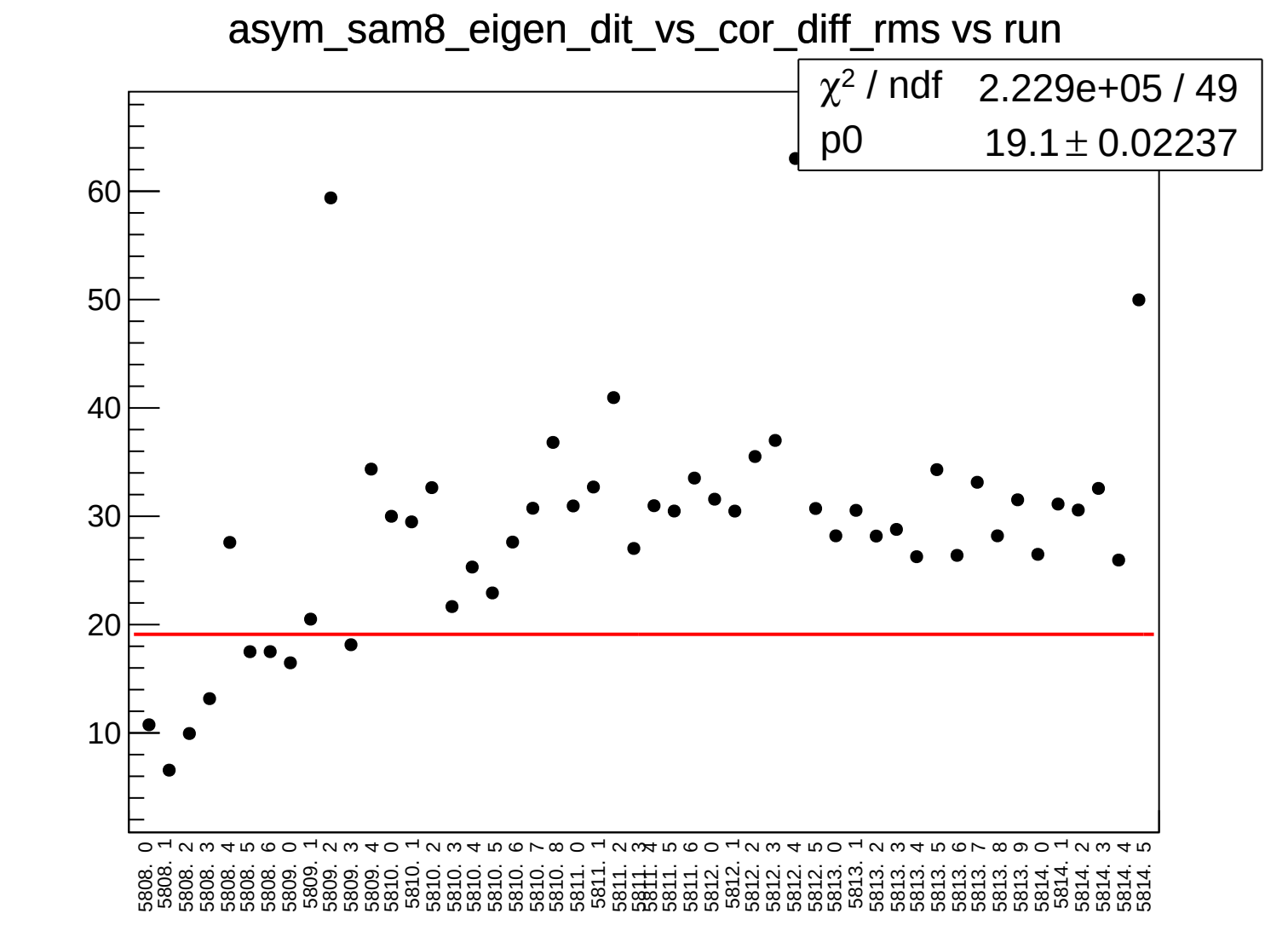

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 49
p0 19.1 ± 0.02237
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

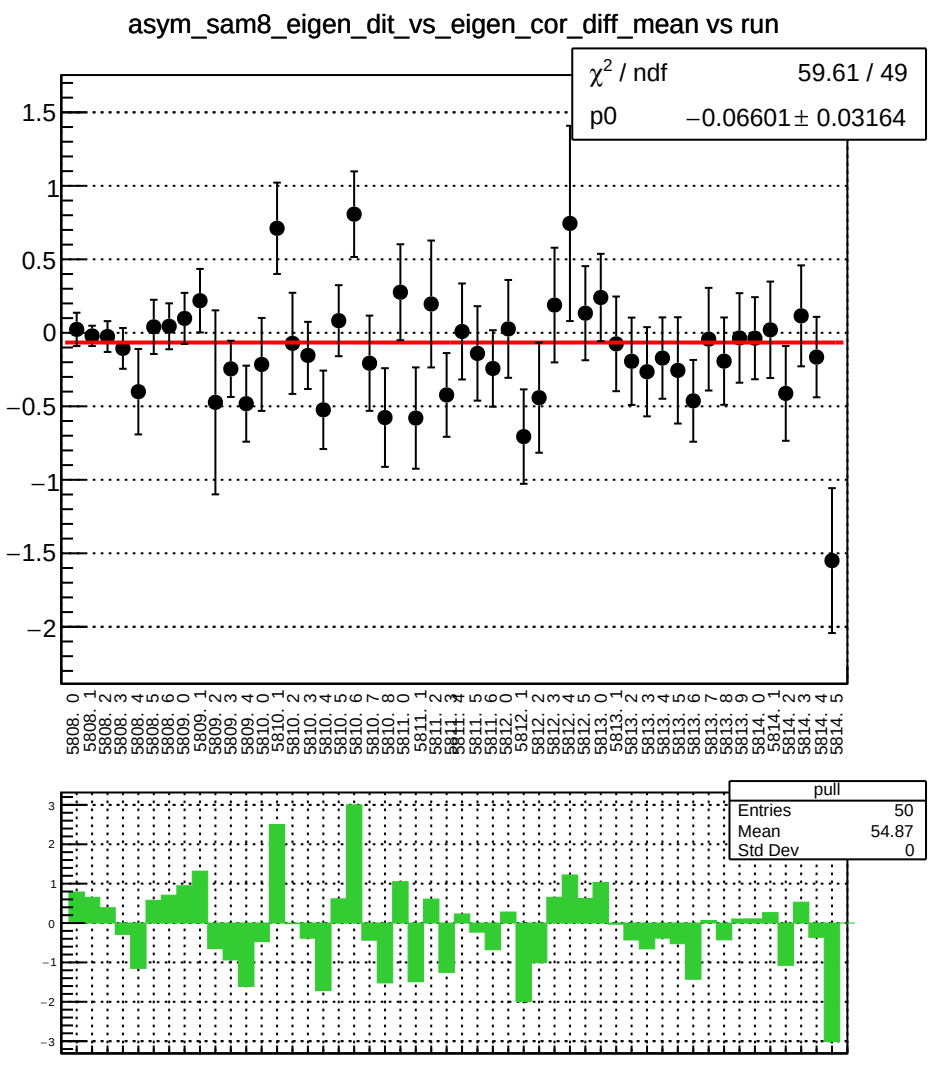

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.71 / 49
p0 1.287e−06 ± 2.449e−06
0.06
0.04
0.02
0
−0.02
−0.04
pull
Entries 50
Mean 1396
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.003944
Std Dev 0.8912
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

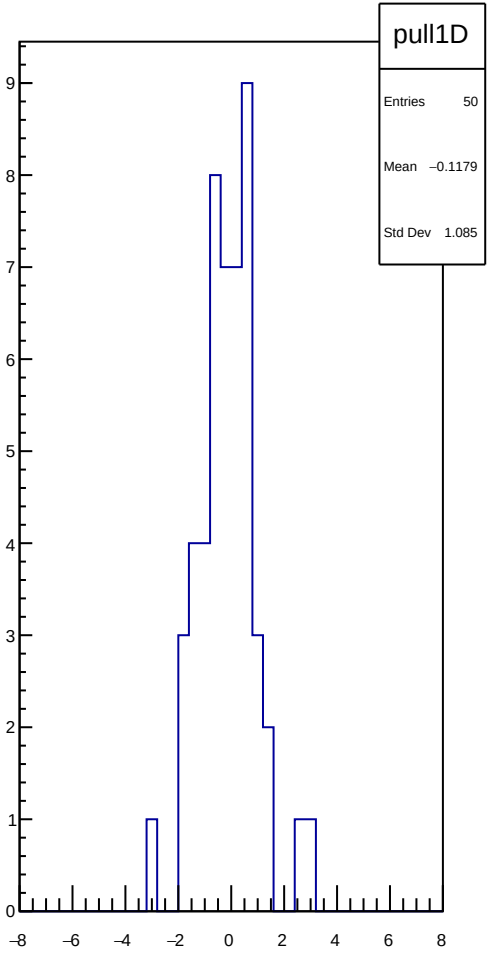

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 791 / 49
p0 0.001689 ± 1.732e−06
0.0018
0.00175
0.0017
0.00165
0.0016
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

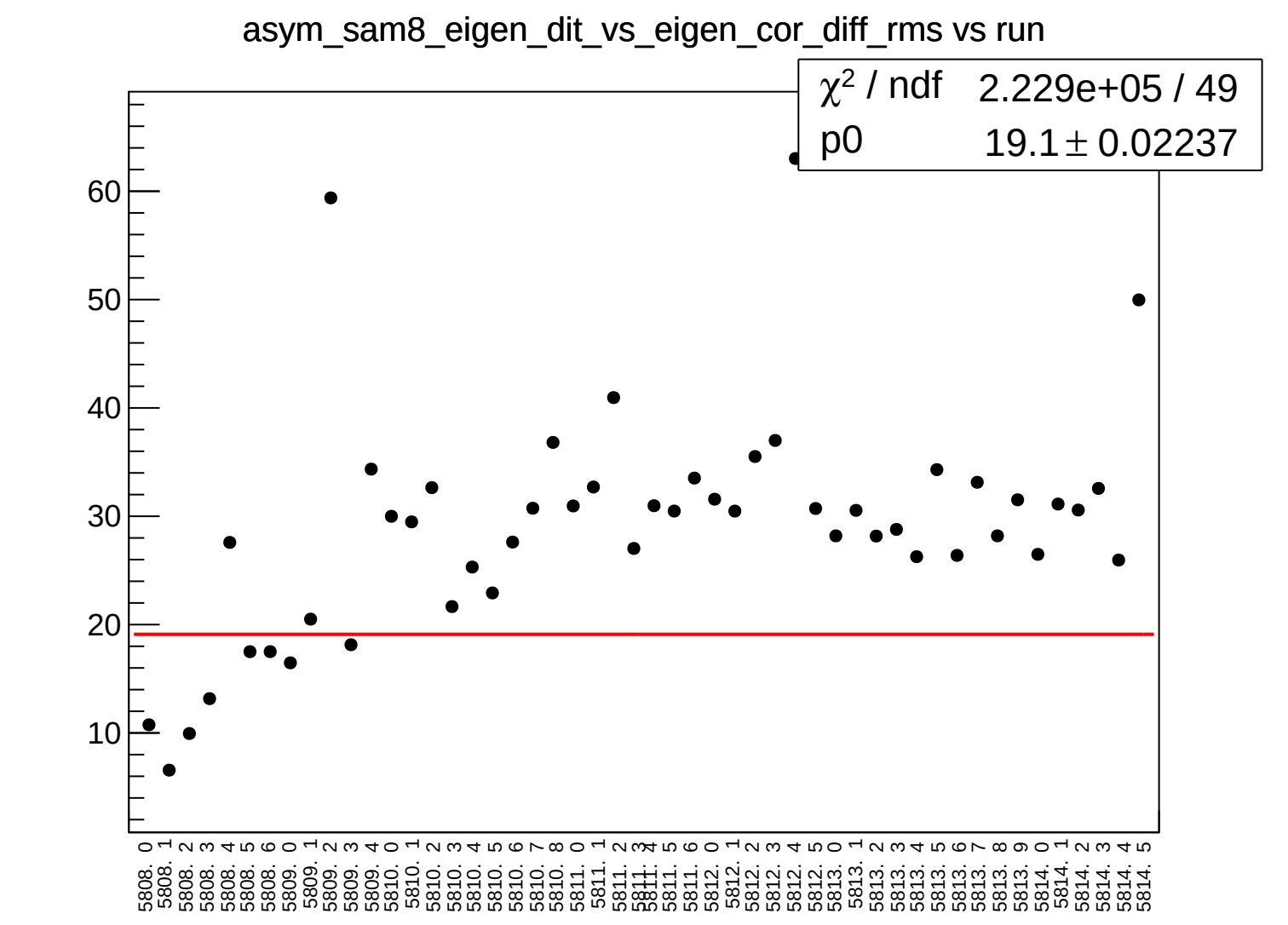

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.61 / 49
p0 −0.06601 ± 0.03164
pull
Entries 50
Mean 54.87
Std Dev 0

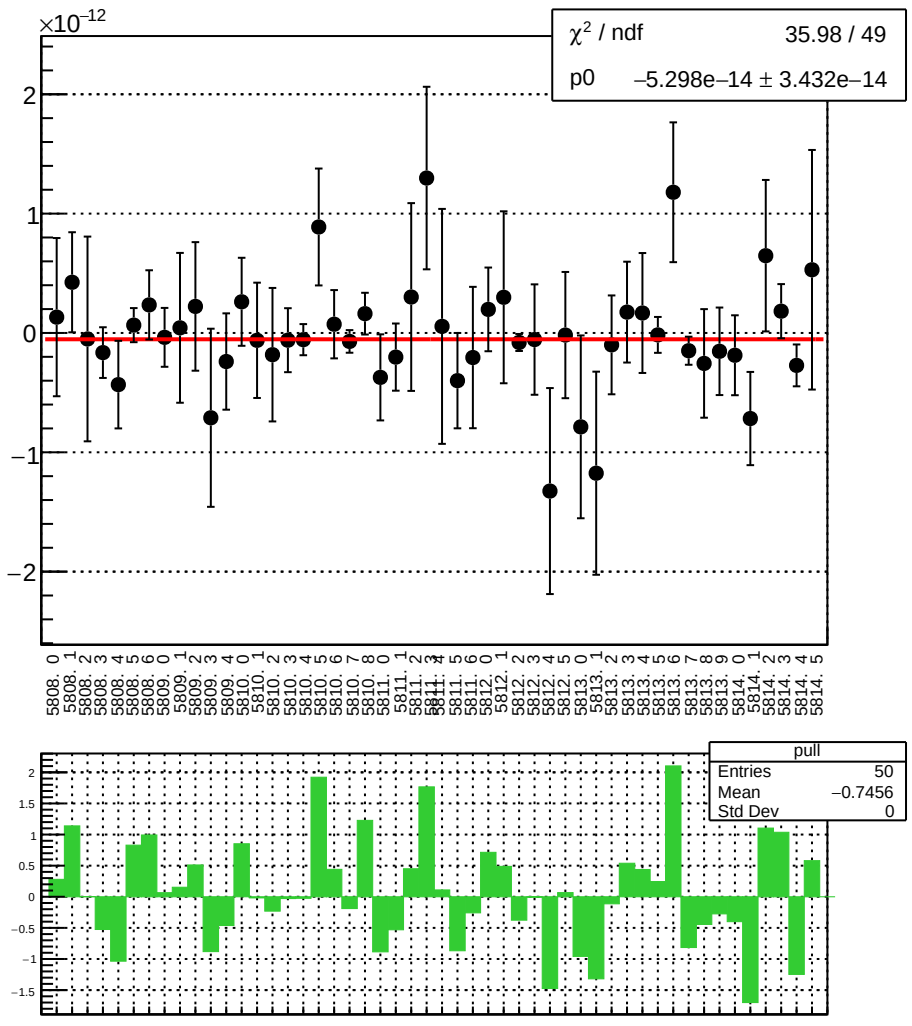

pull1D
Entries 50
Mean −0.1179
Std Dev 1.085

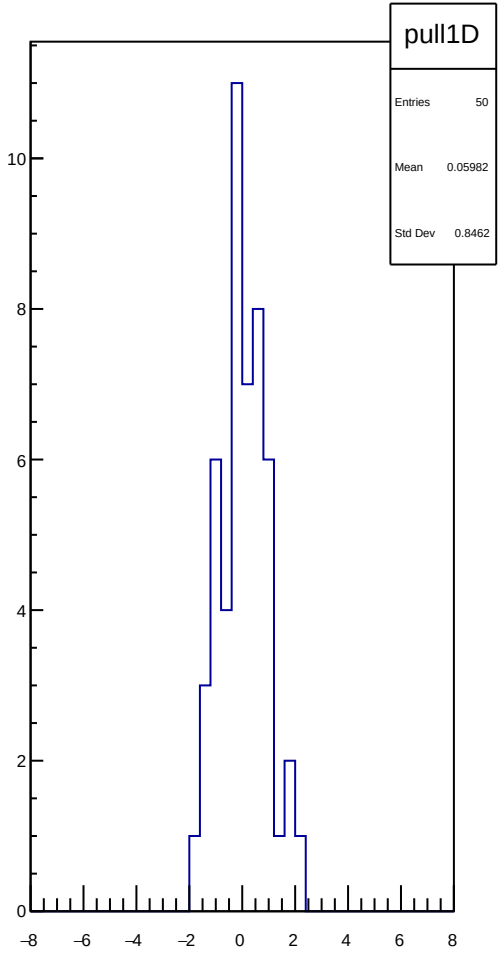

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 49
p0 19.1 ± 0.02237
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

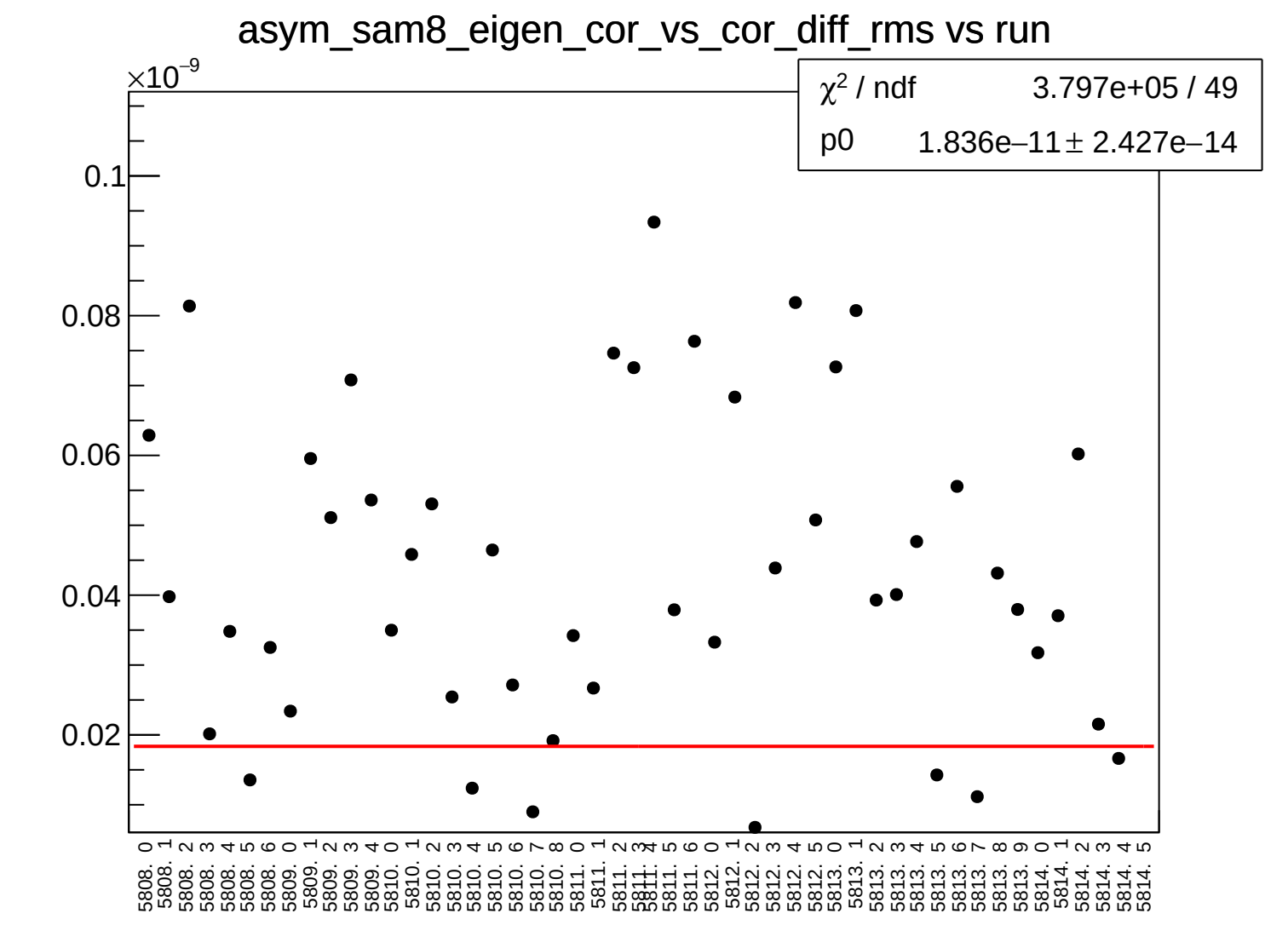

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.61 / 49
p0 −0.06601 ± 0.03164
pull
Entries 50
Mean 54.87
Std Dev 0

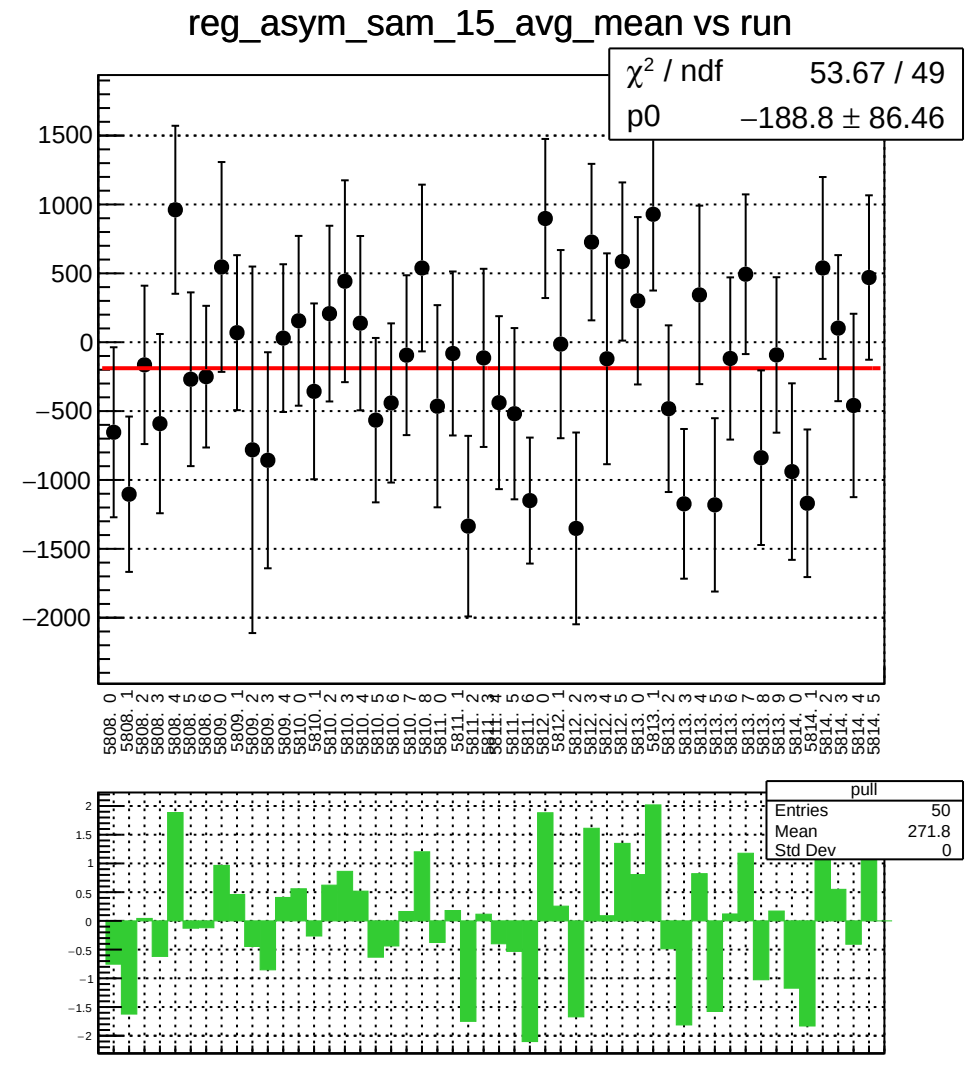

pull1D
Entries 50
Mean −0.1179
Std Dev 1.085

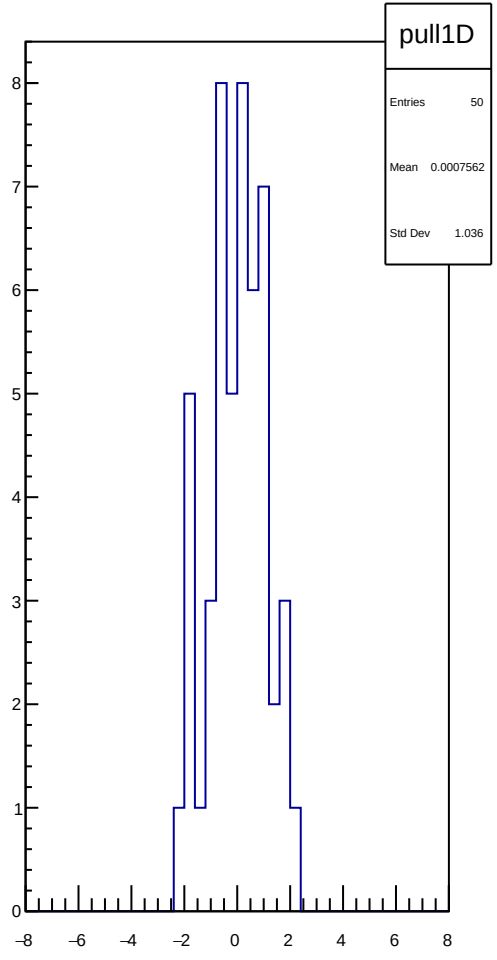

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.229e+05 / 49
p0 19.1 ± 0.02237
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

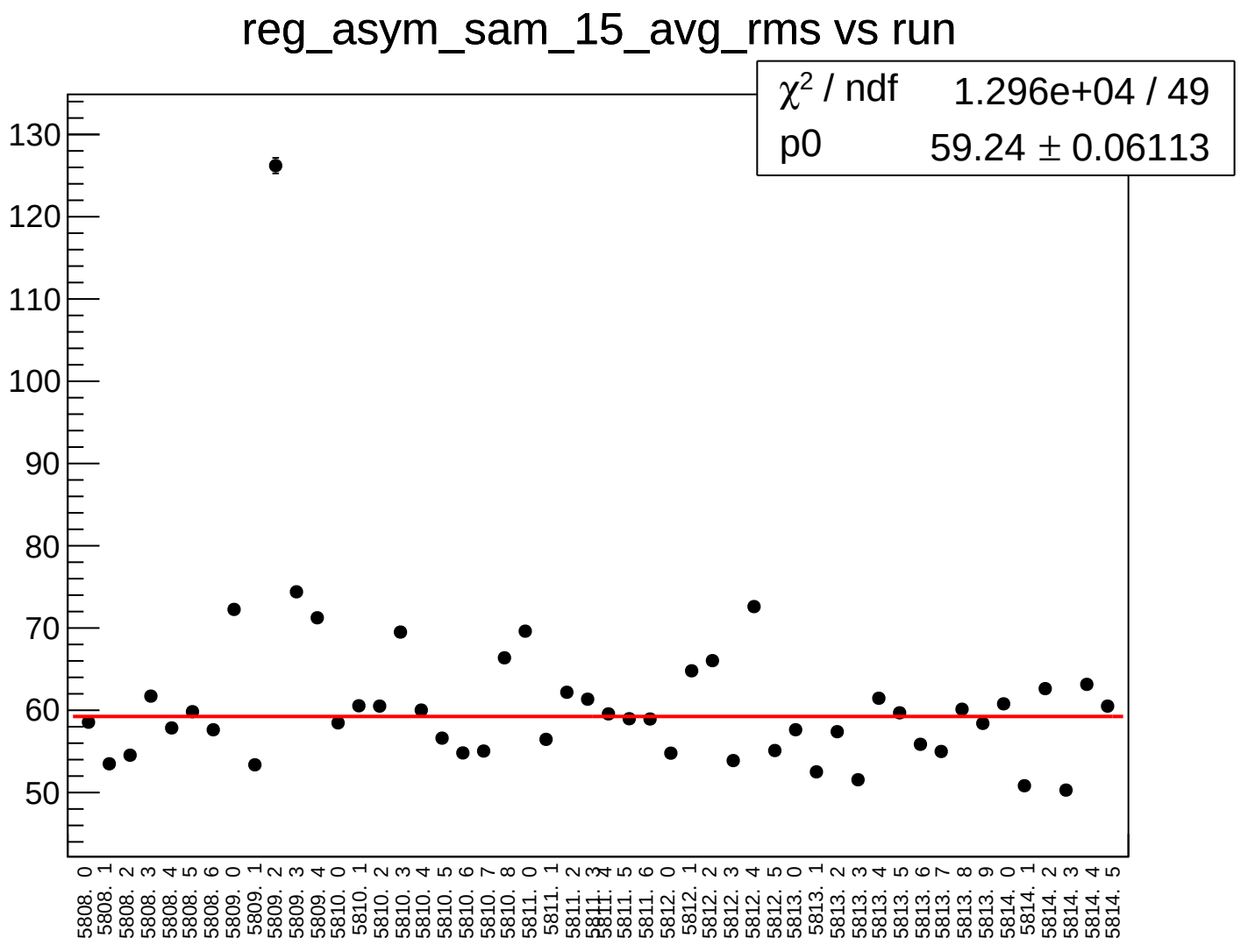

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 35.98 / 49
p0 −5.298e−14 ± 3.432e−14
pull
Entries 50
Mean −0.7456
Std Dev 0

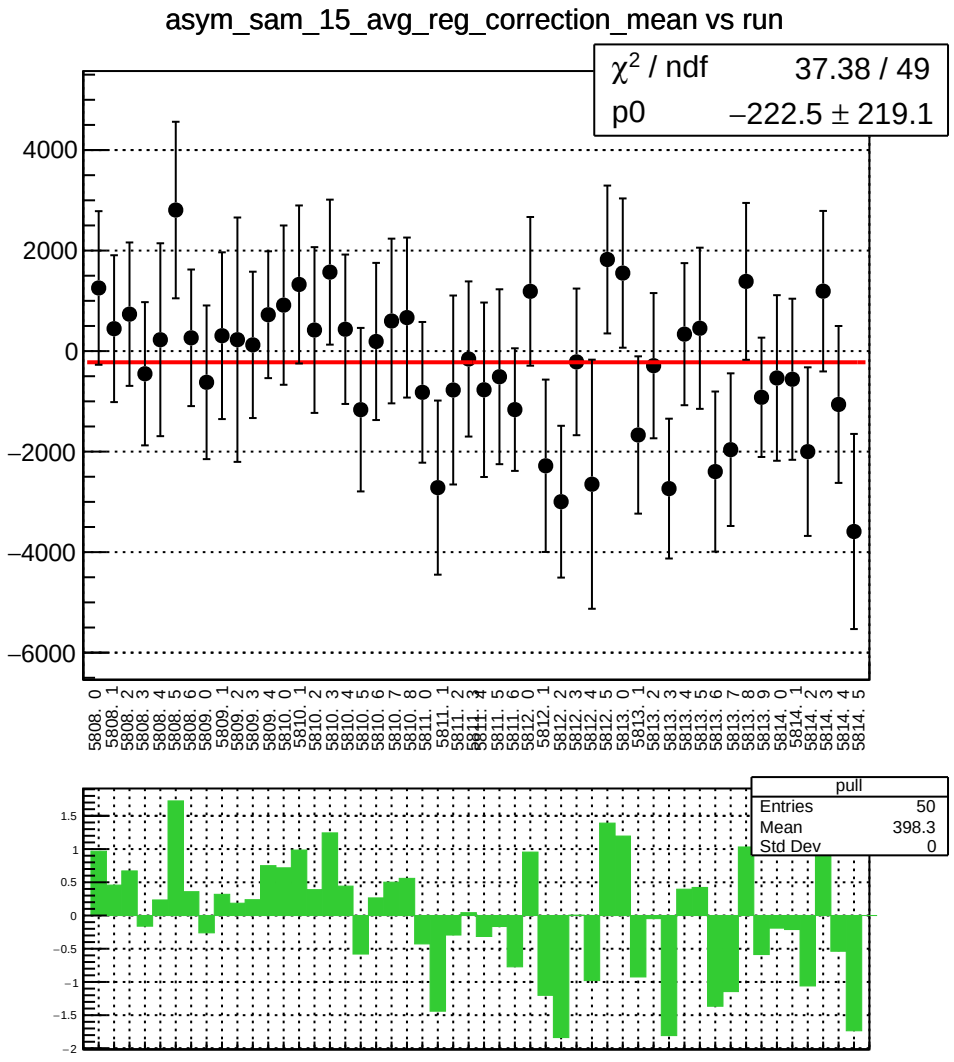

pull1D
Entries 50
Mean 0.05982
Std Dev 0.8462


asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.797e+05 / 49
p0 1.836e−11 ± 2.427e−14
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_15_avg_mean vs run
χ² / ndf 53.67 / 49
p0 −188.8 ± 86.46
pull
Entries 50
Mean 271.8
Std Dev 0


pull1D
Entries 50
Mean 0.0007562
Std Dev 1.036


reg_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.296e+04 / 49
p0 59.24 ± 0.06113
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 37.38 / 49
p0 −222.5 ± 219.1
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 7
5813. 8
5813. 9
5814. 0
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5814. 4
5814. 5
pull
Entries 50
Mean 398.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01416
Std Dev 0.8646
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2
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−8
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−2
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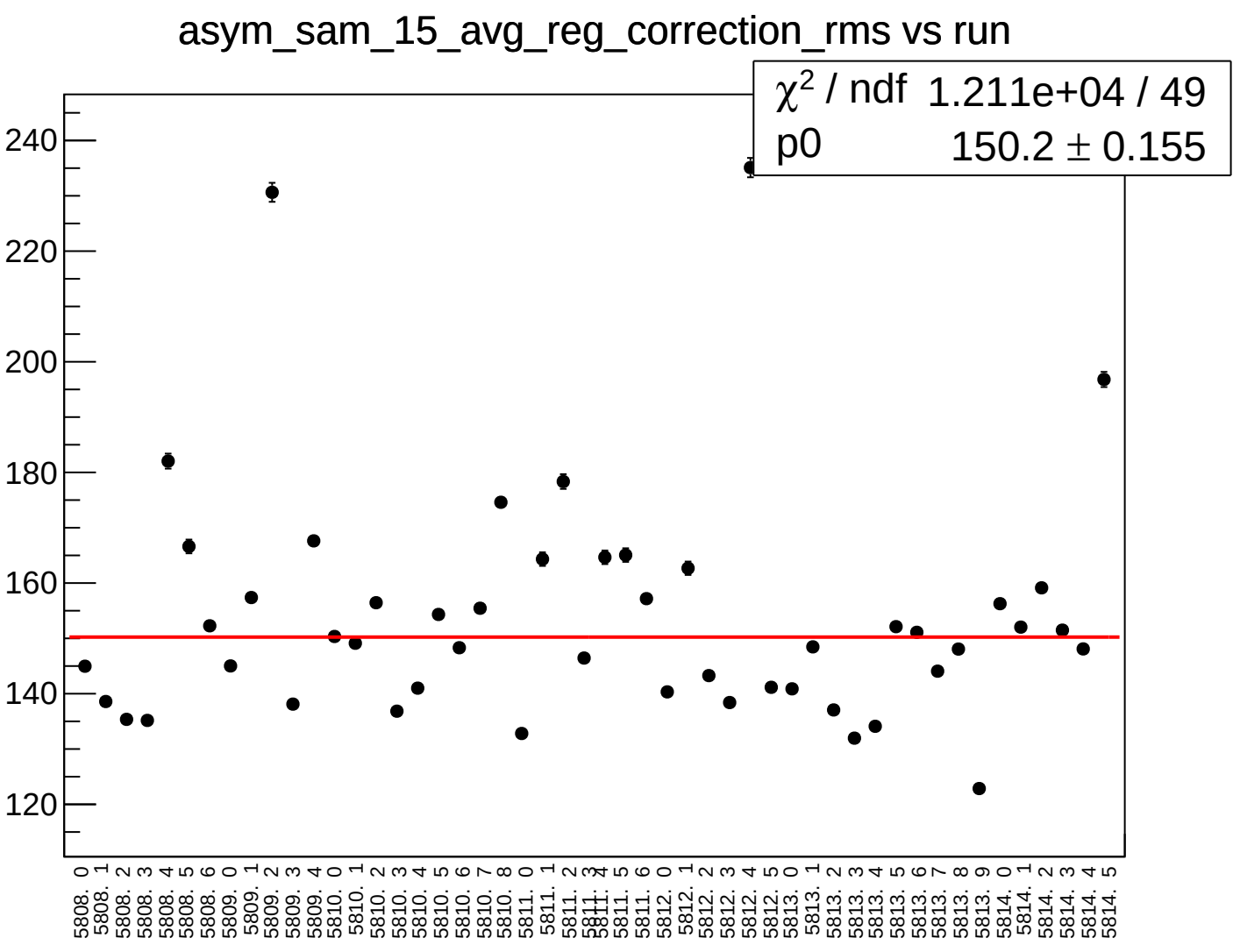
2
4
6
8


asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 1.211e+04 / 49
p0 150.2 ± 0.155
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 5
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5813. 2
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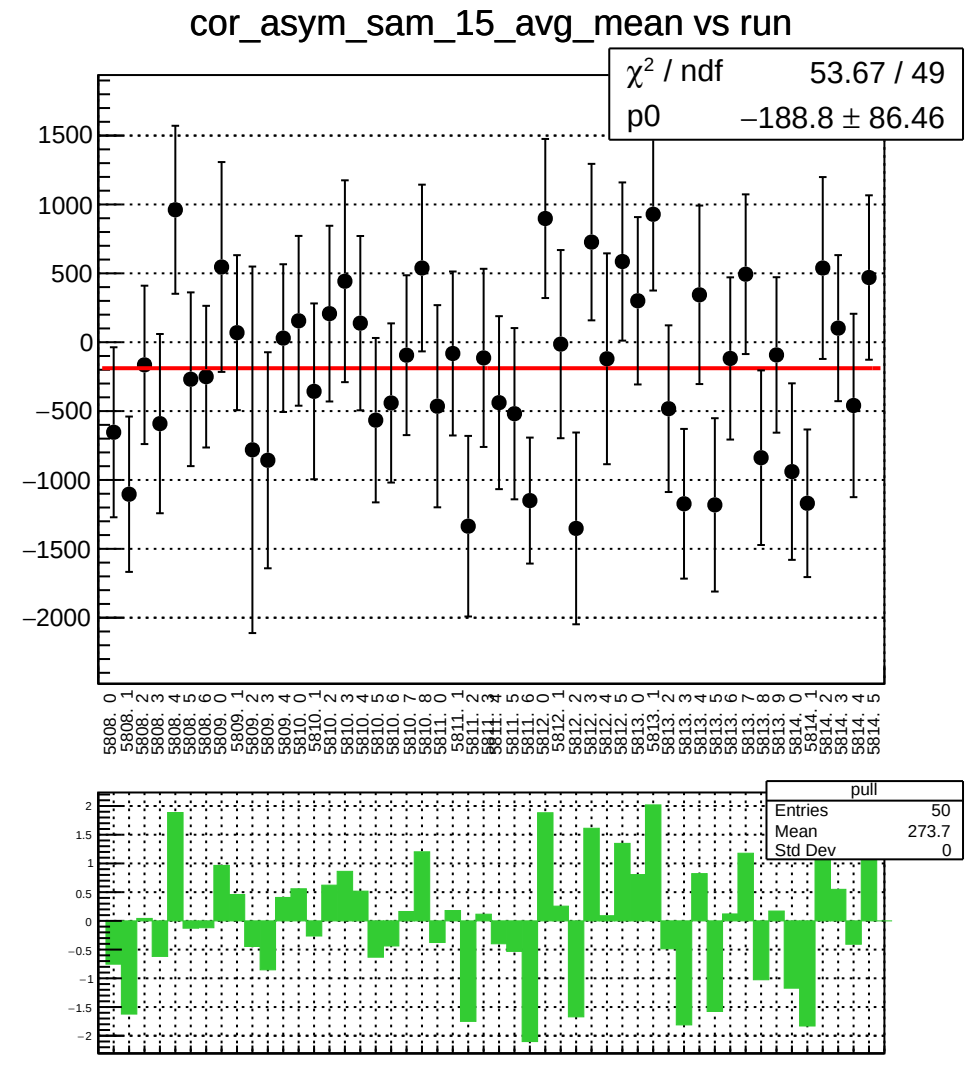
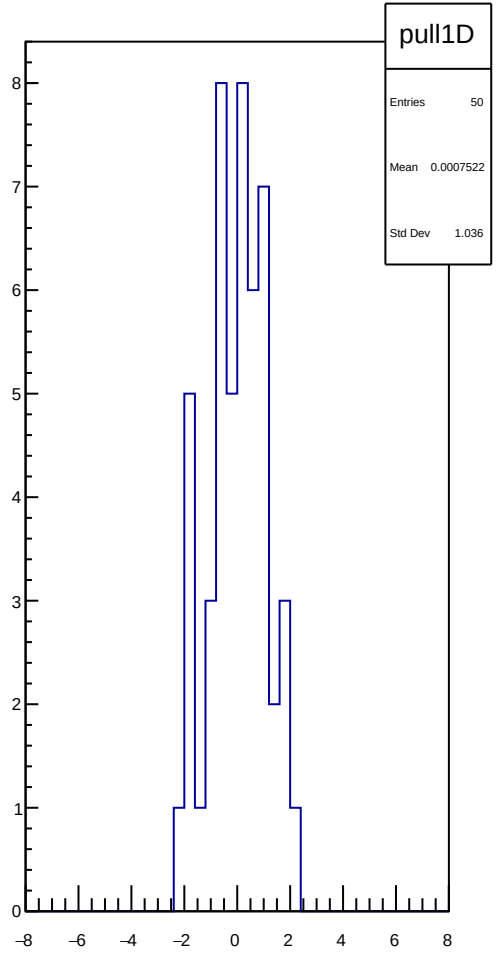
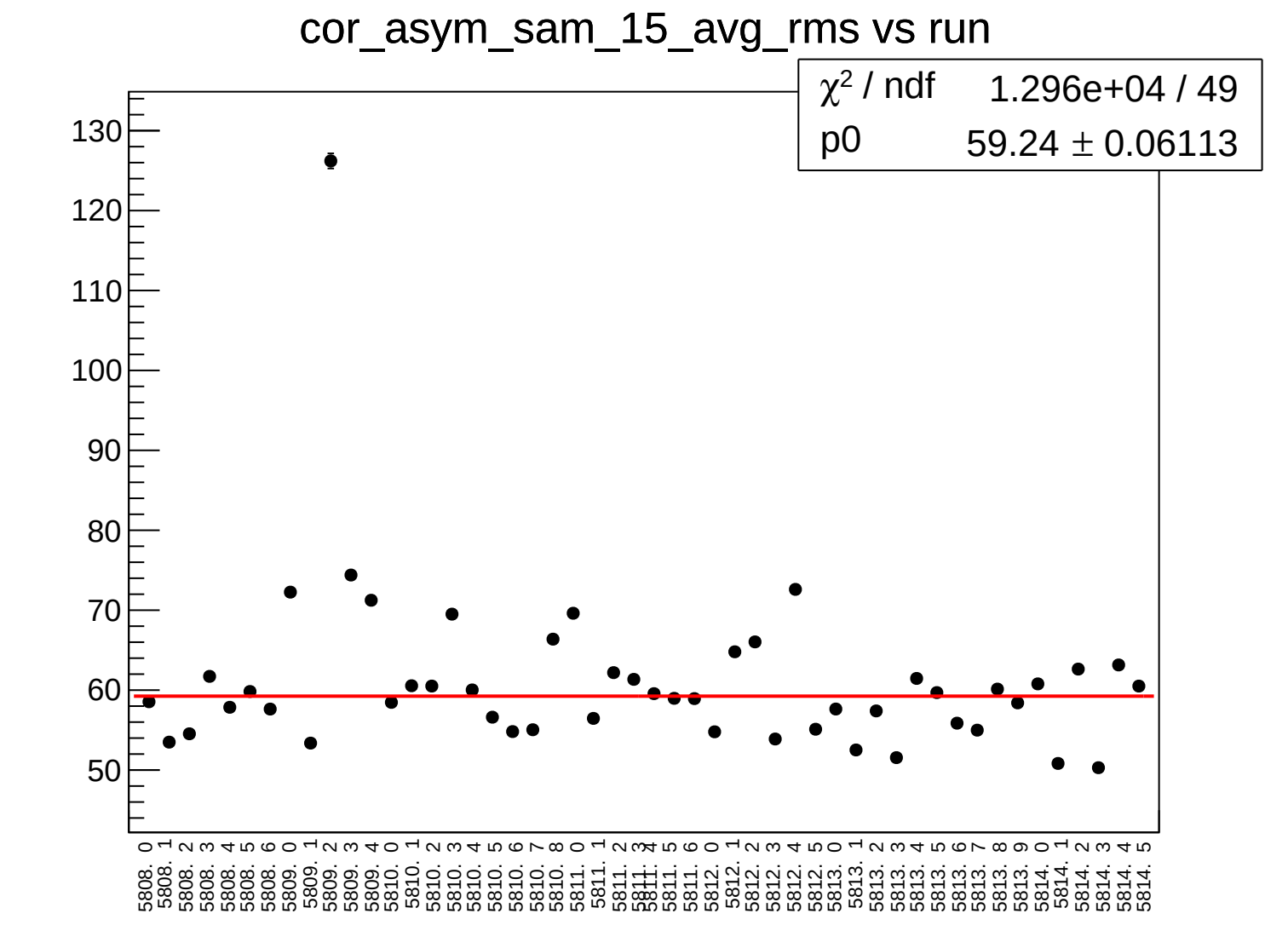
5814. 5


cor_asym_sam_15_avg_mean vs run
χ² / ndf 53.67 / 49
p0 −188.8 ± 86.46
pull
Entries 50
Mean 273.7
Std Dev 0


pull1D
Entries 50
Mean 0.0007522
Std Dev 1.036


cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.296e+04 / 49
p0 59.24 ± 0.06113
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
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5810. 7
5810. 8
5811. 0
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5811. 5
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5812. 2
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5812. 4
5812. 5
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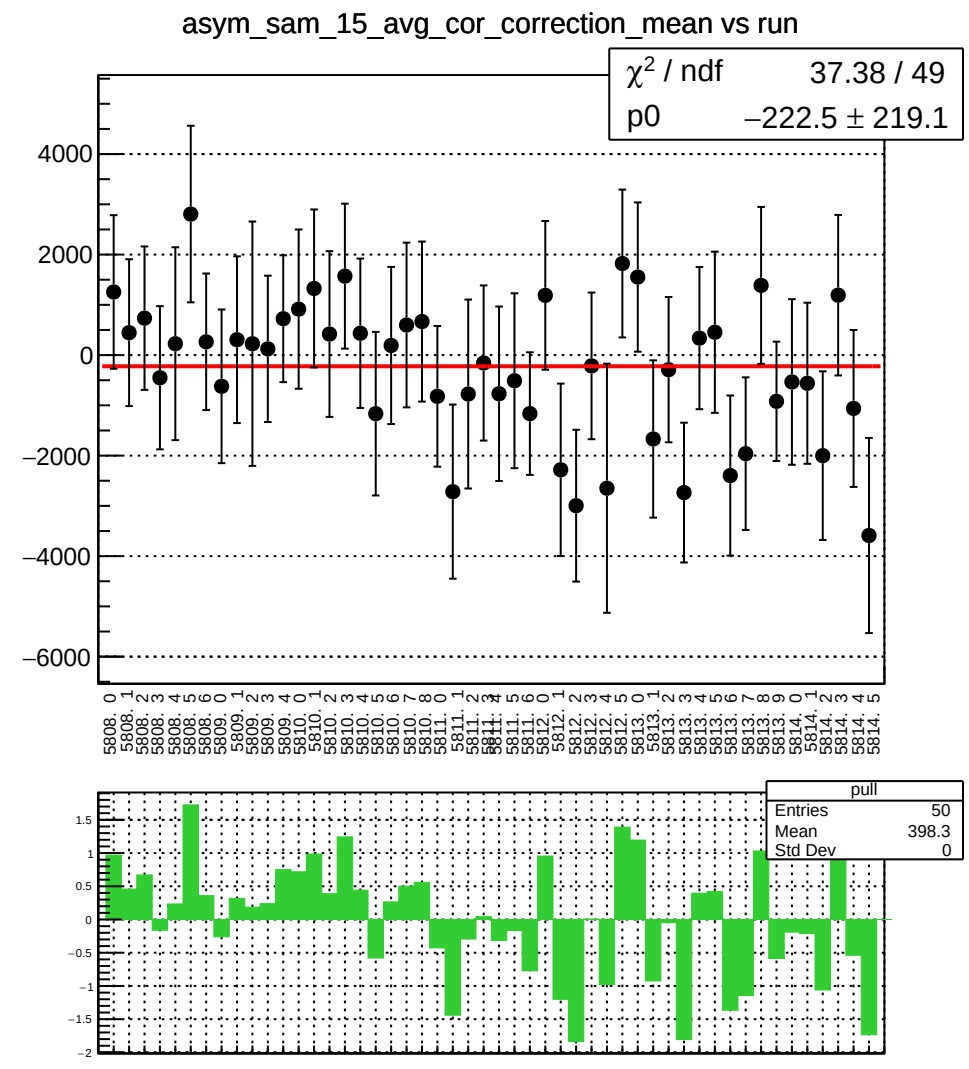
5814. 5


asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 37.38 / 49
p0 −222.5 ± 219.1
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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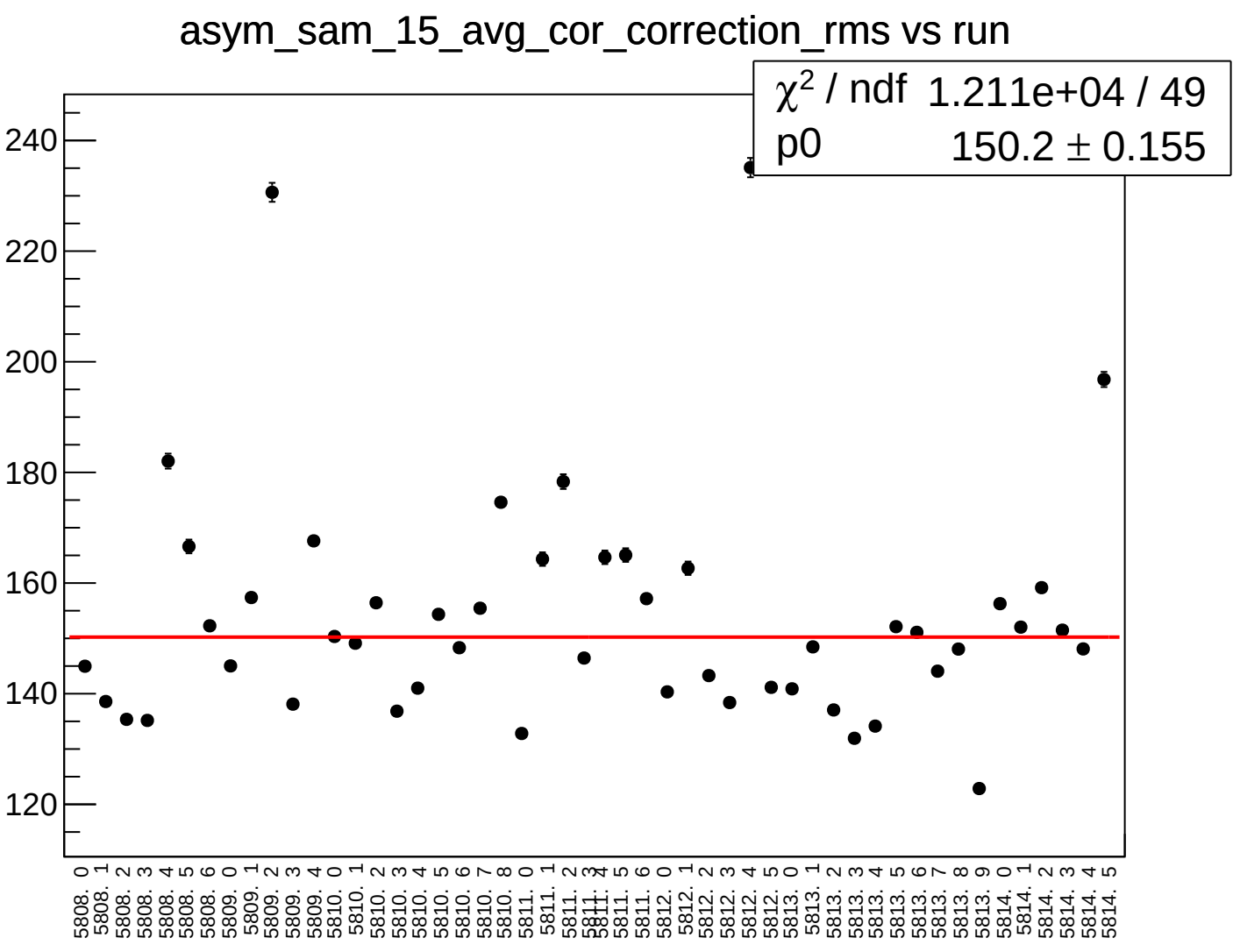
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 398.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01416
Std Dev 0.8646
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_cor_correction_rms vs run
χ^2 / ndf 1.211e+04 / 49
p0 150.2 ± 0.155
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
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5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 0
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5814. 2
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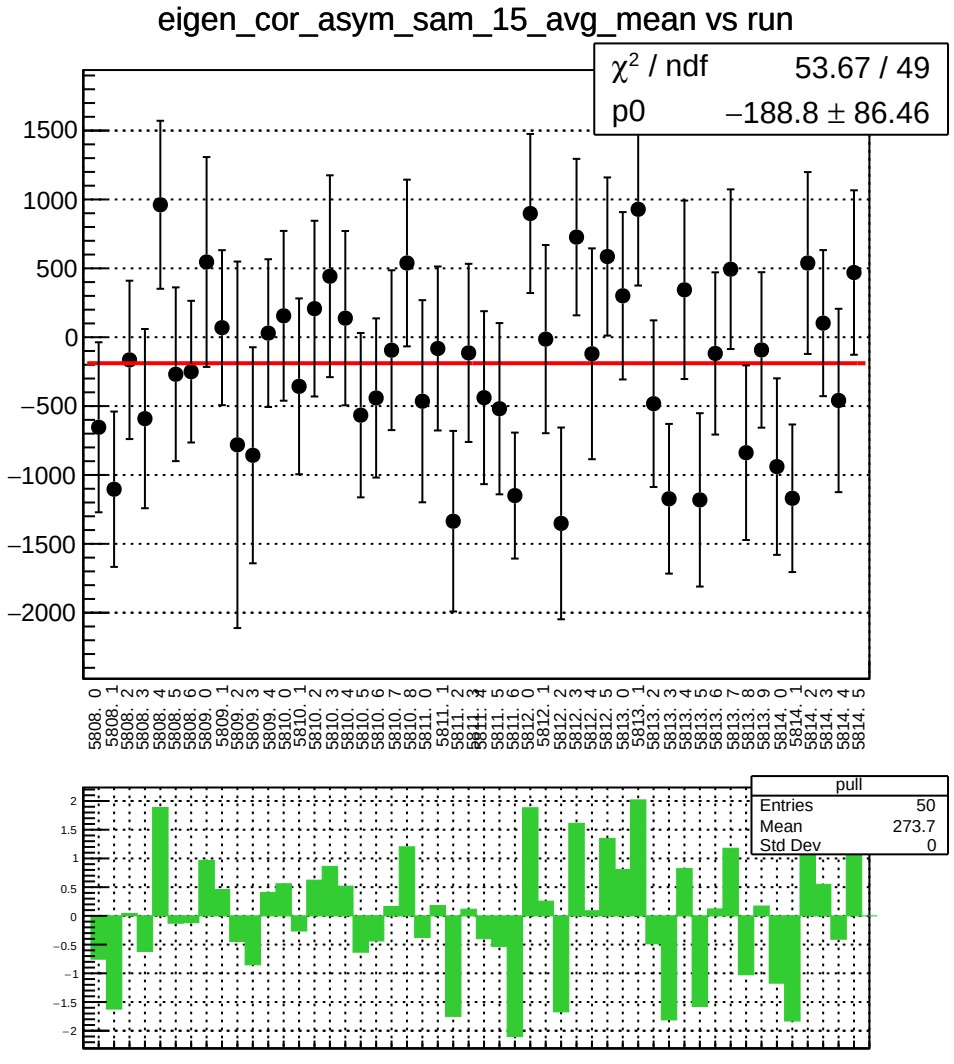
5814. 4
5814. 5


eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 53.67 / 49
p0 −188.8 ± 86.46
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 5
5811. 6
5812. 0
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5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 273.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0007522
Std Dev 1.036
8
7
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5
4
3
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1
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−4
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0
2
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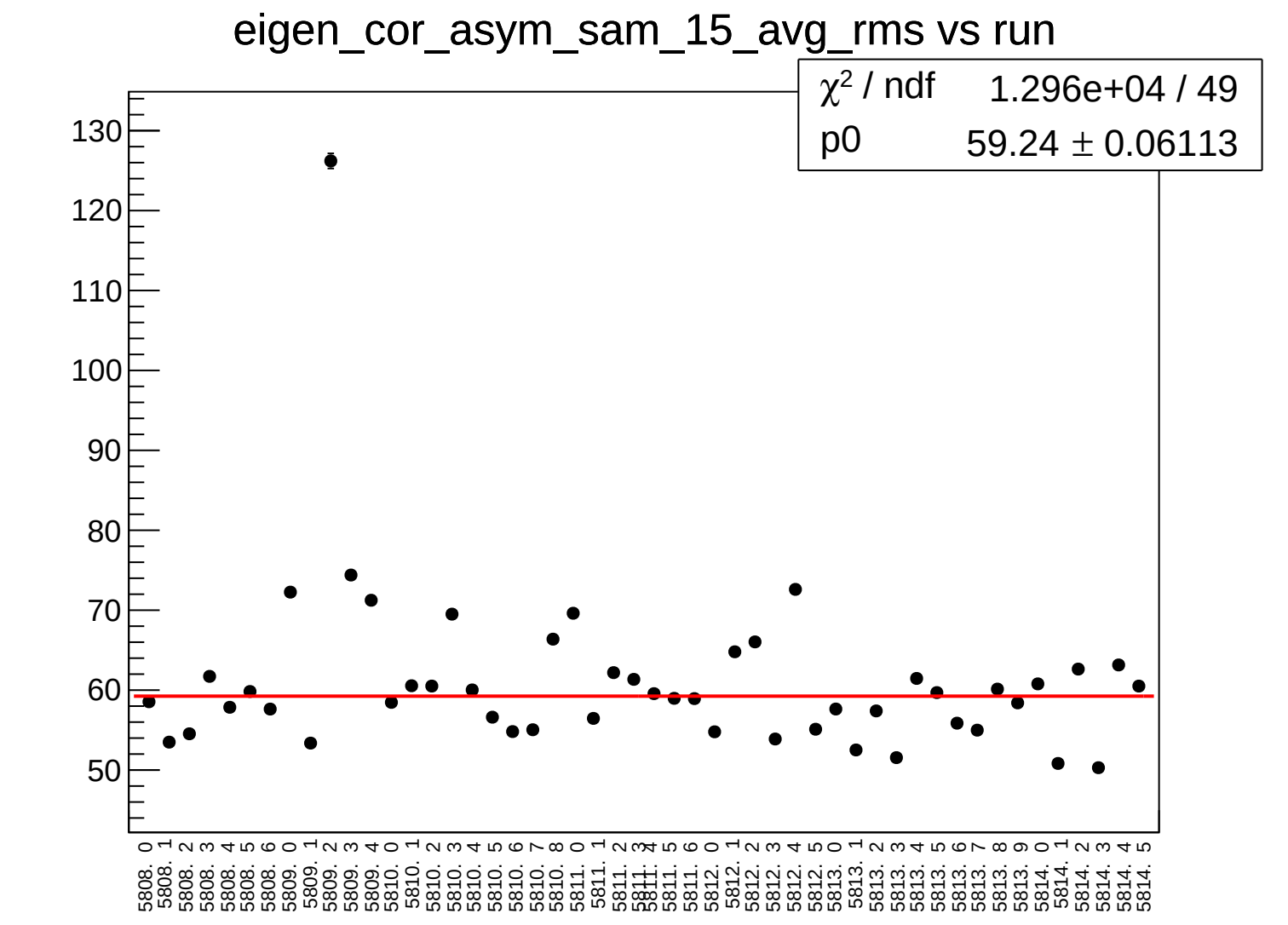
6
8


eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 1.296e+04 / 49
p0 59.24 ± 0.06113
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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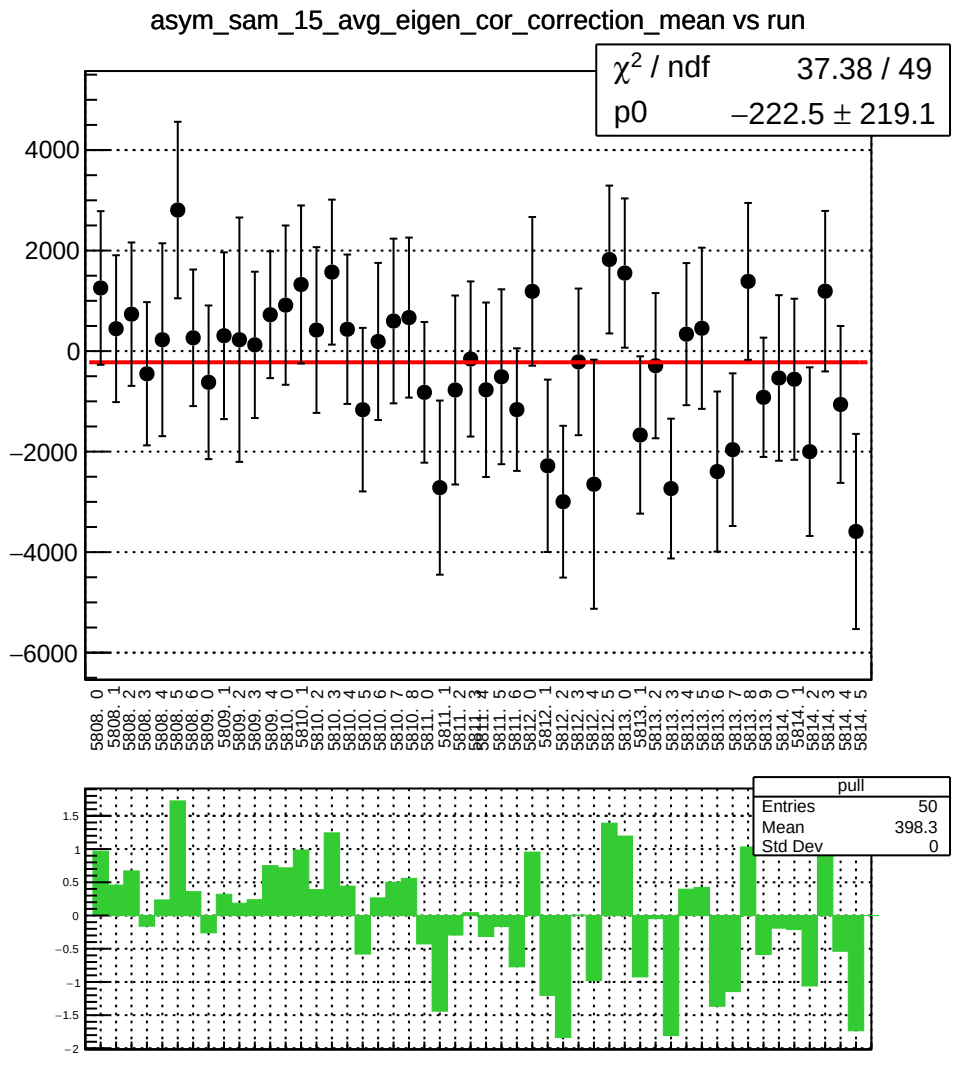
asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.38 / 49
p0 −222.5 ± 219.1
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
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5811. 0
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5811. 2
5811. 3
5811. 4
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5812. 0
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5813. 2
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5813. 7
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 398.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.01416
Std Dev 0.8646
10
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4
2
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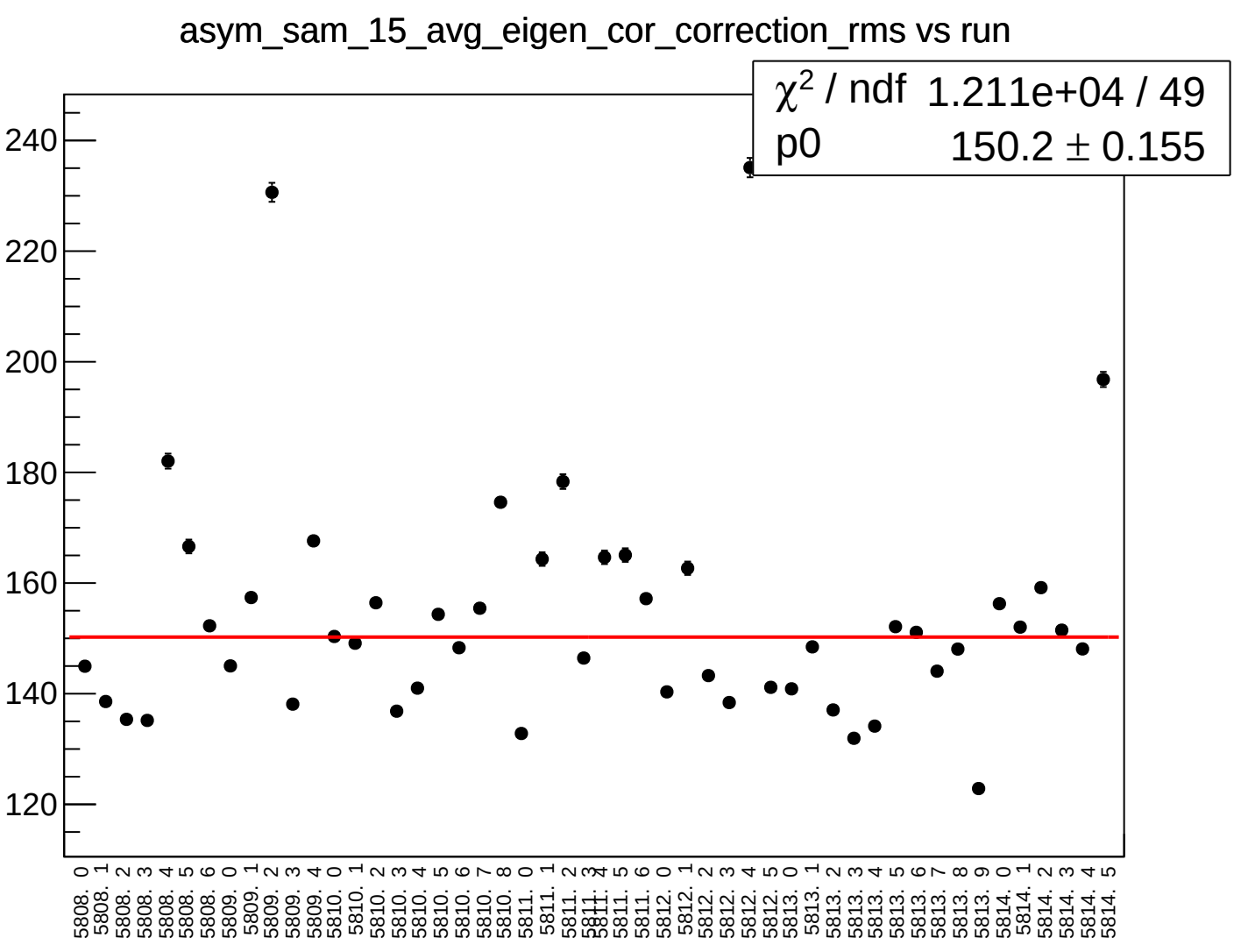
asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 1.211e+04 / 49
p0 150.2 ± 0.155
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
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5809. 4
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5813. 0
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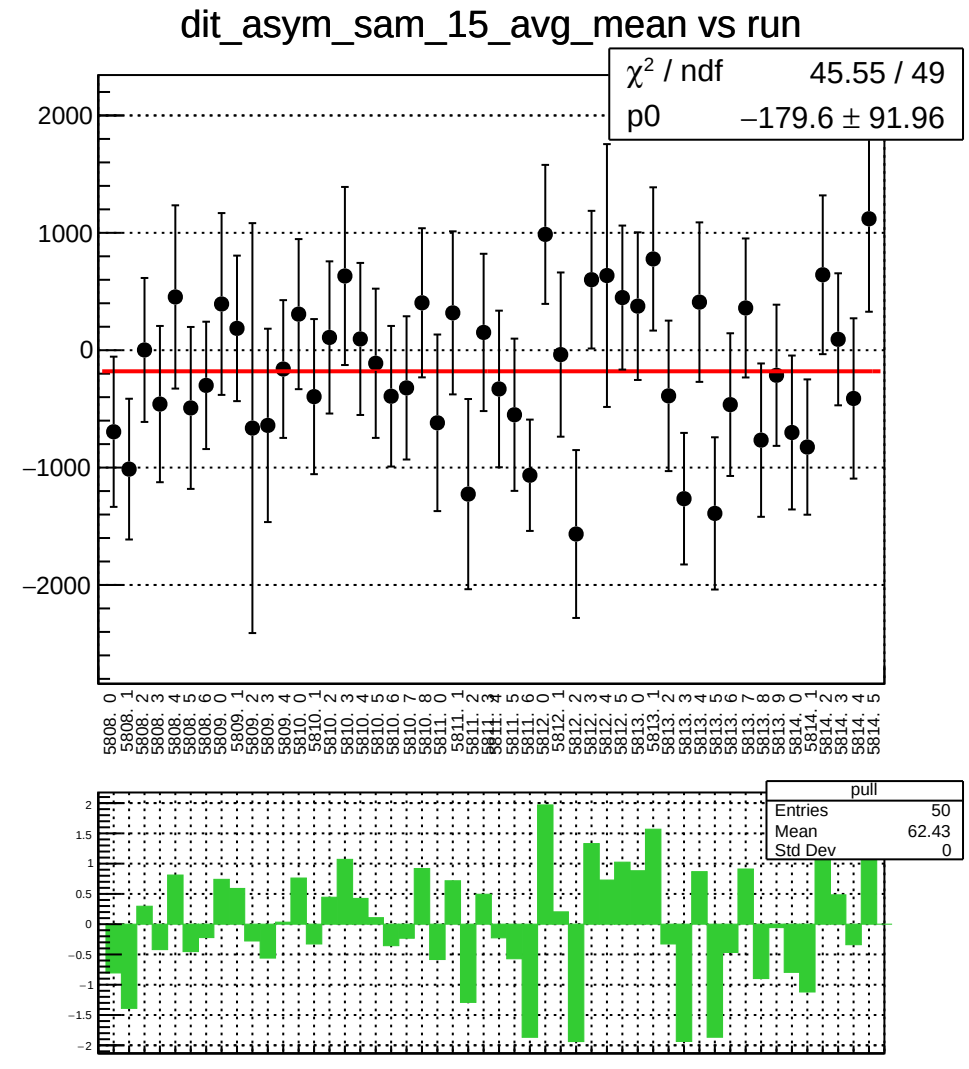
dit_asym_sam_15_avg_mean vs run
χ² / ndf 45.55 / 49
p0 −179.6 ± 91.96
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
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5811. 6
5812. 0
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5812. 3
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5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
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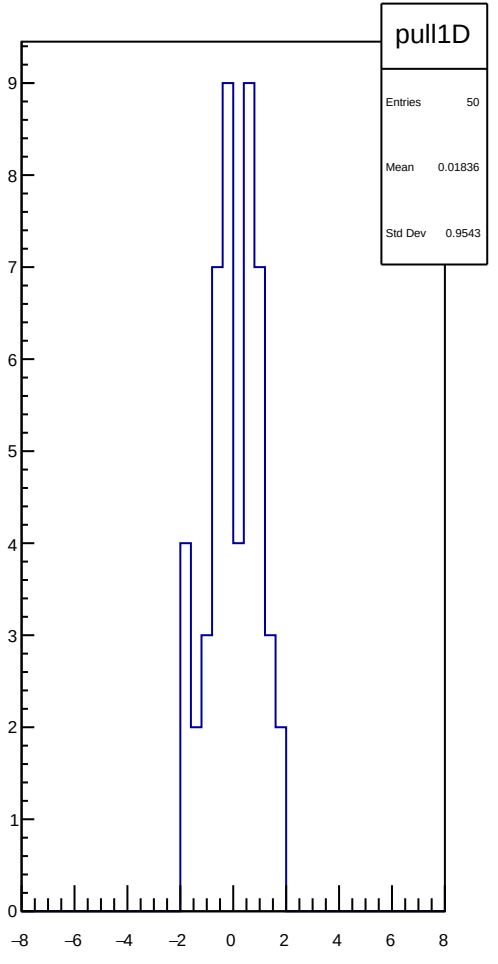
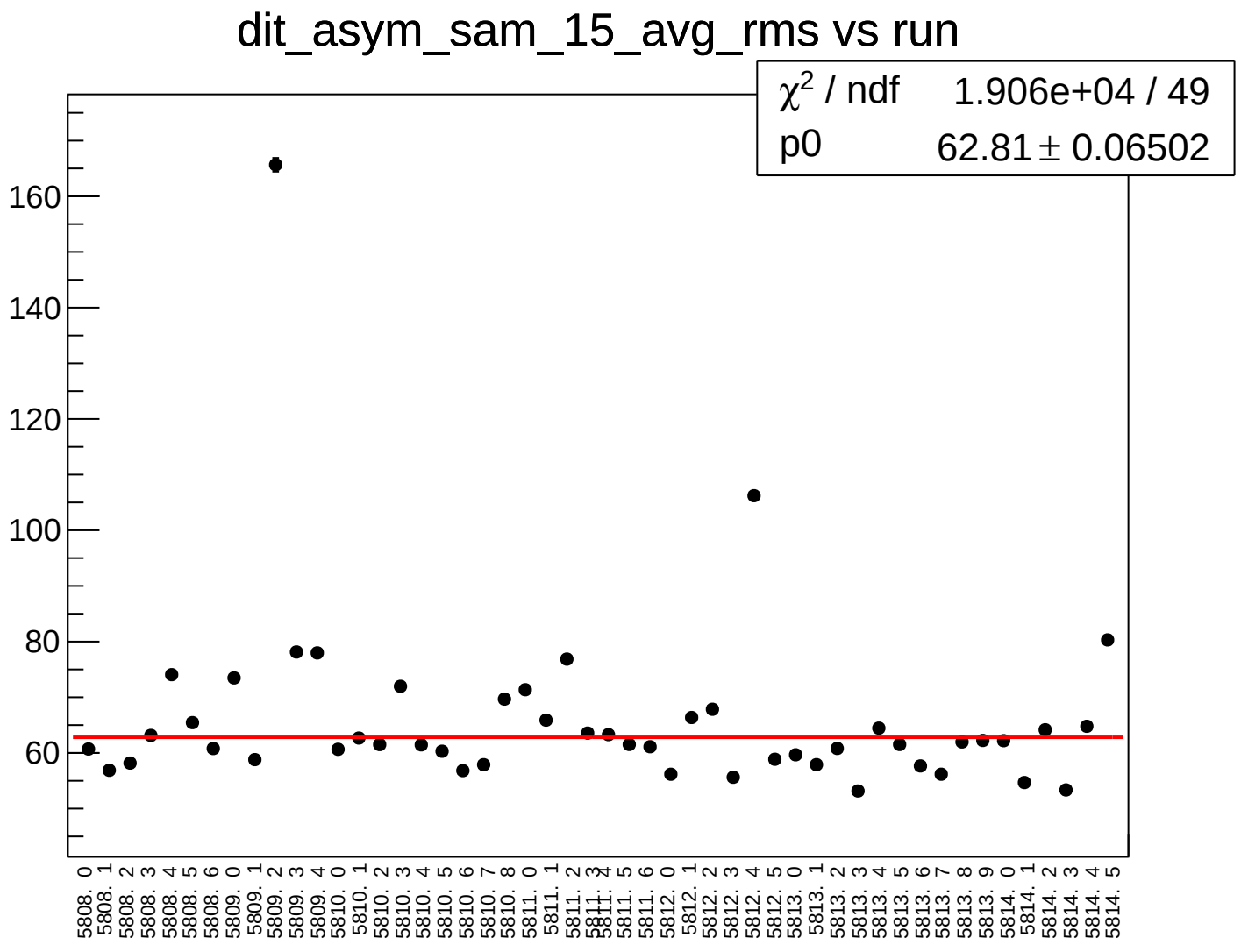
pull
Entries 50
Mean 62.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.01836
Std Dev 0.9543
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.906e+04 / 49
p0 62.81 ± 0.06502
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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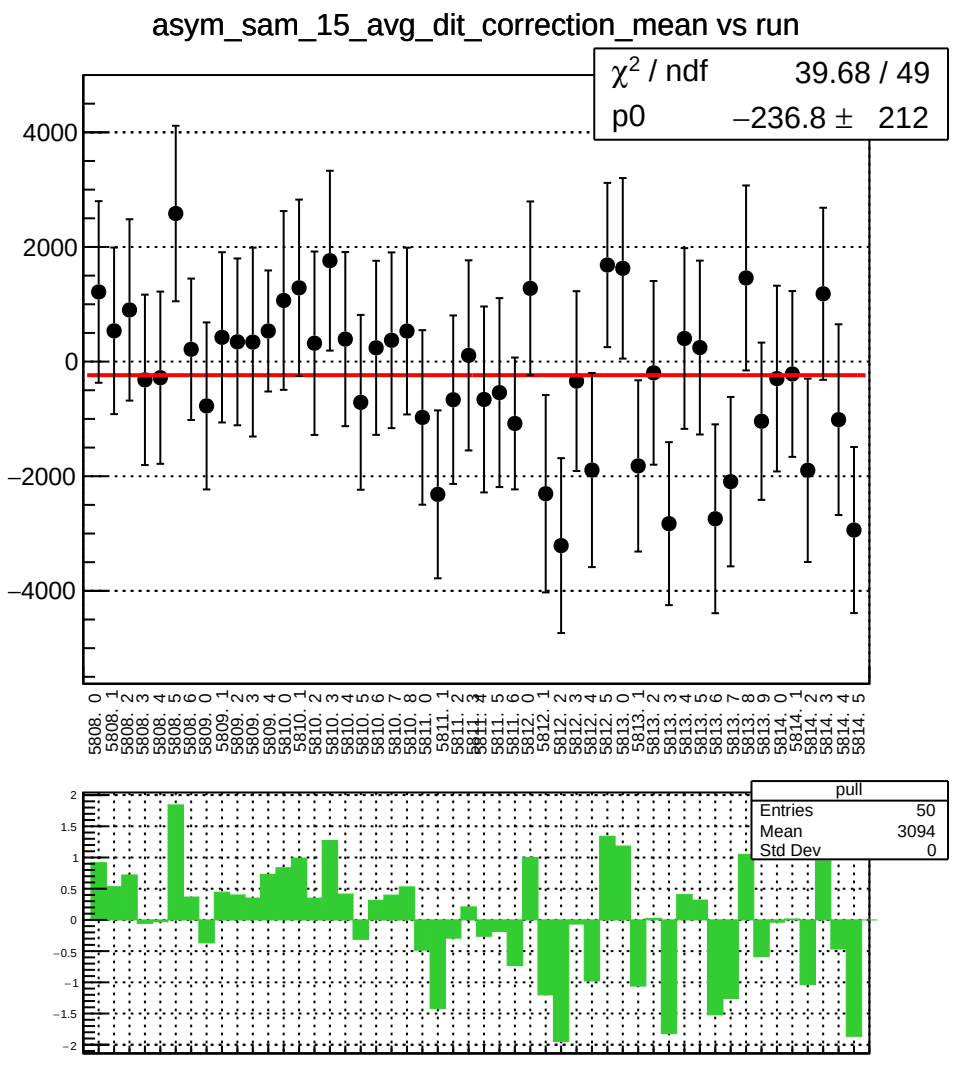
5814. 4
5814. 5


asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 39.68 / 49
p0 −236.8 ± 212
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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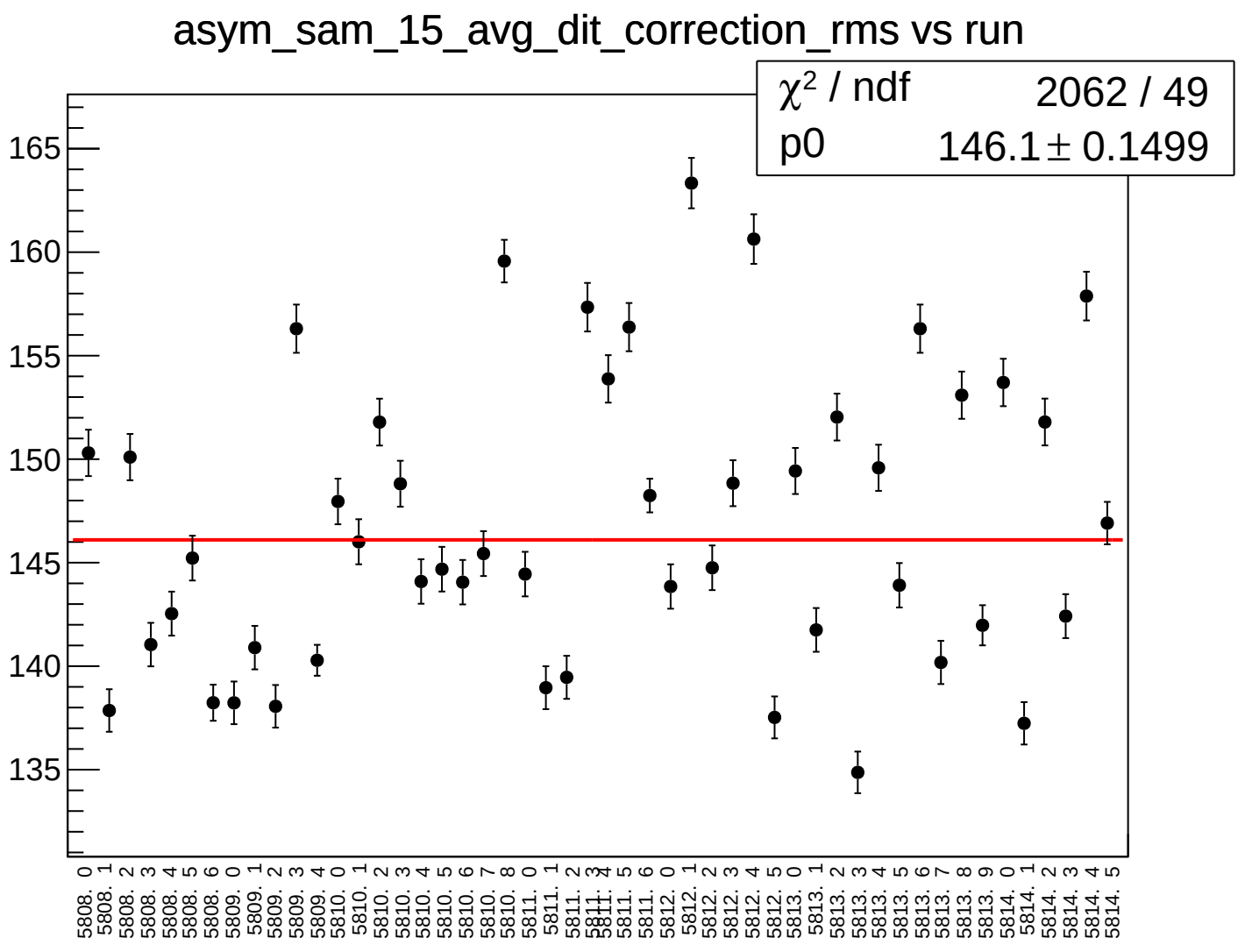
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3094
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.001774
Std Dev 0.8908
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 2062 / 49
p0 146.1 ± 0.1499
165
160
155
150
145
140
135
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
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5809. 4
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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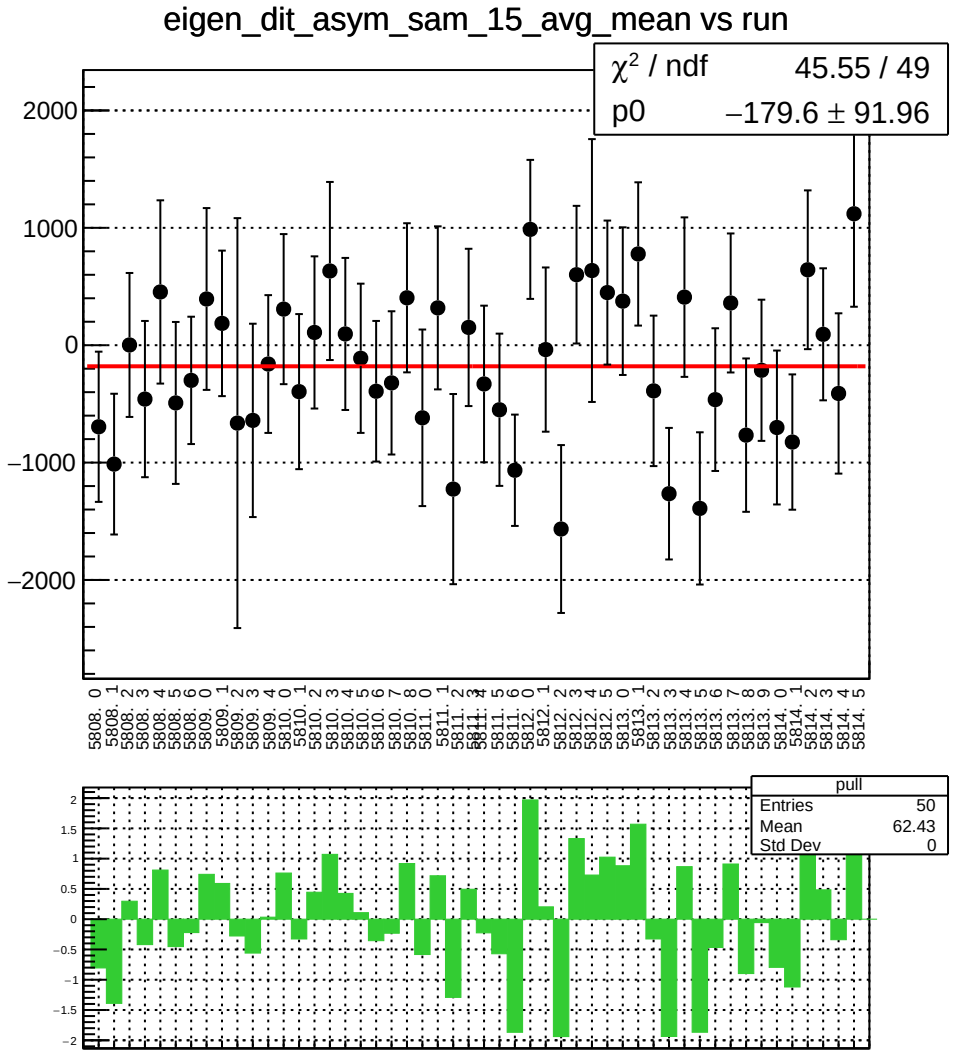
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 45.55 / 49
p0 −179.6 ± 91.96
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
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5811. 0
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
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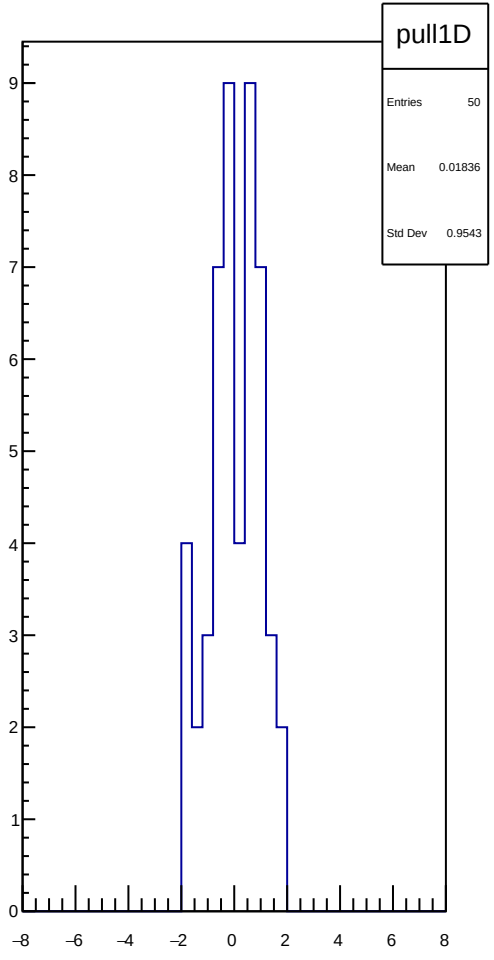
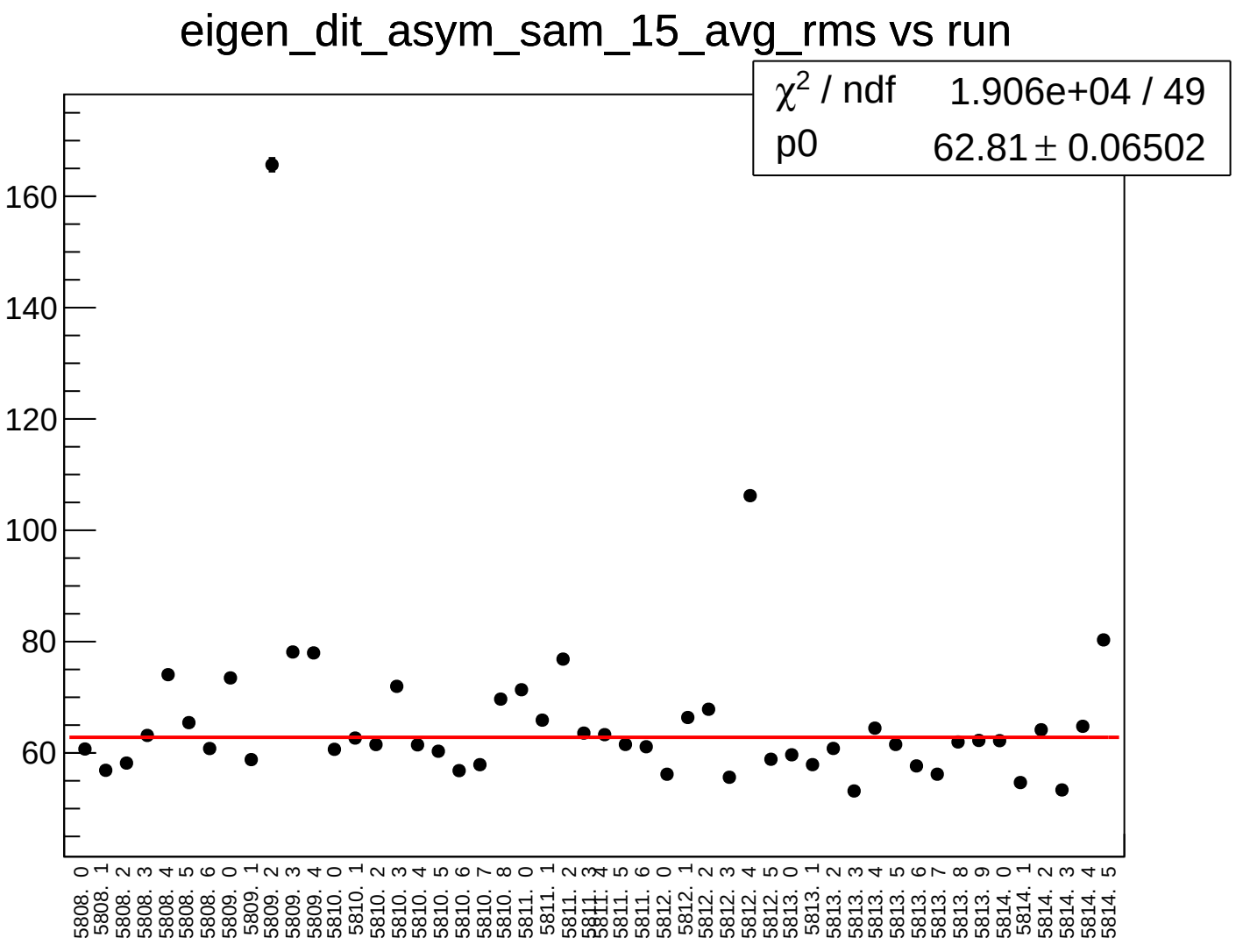
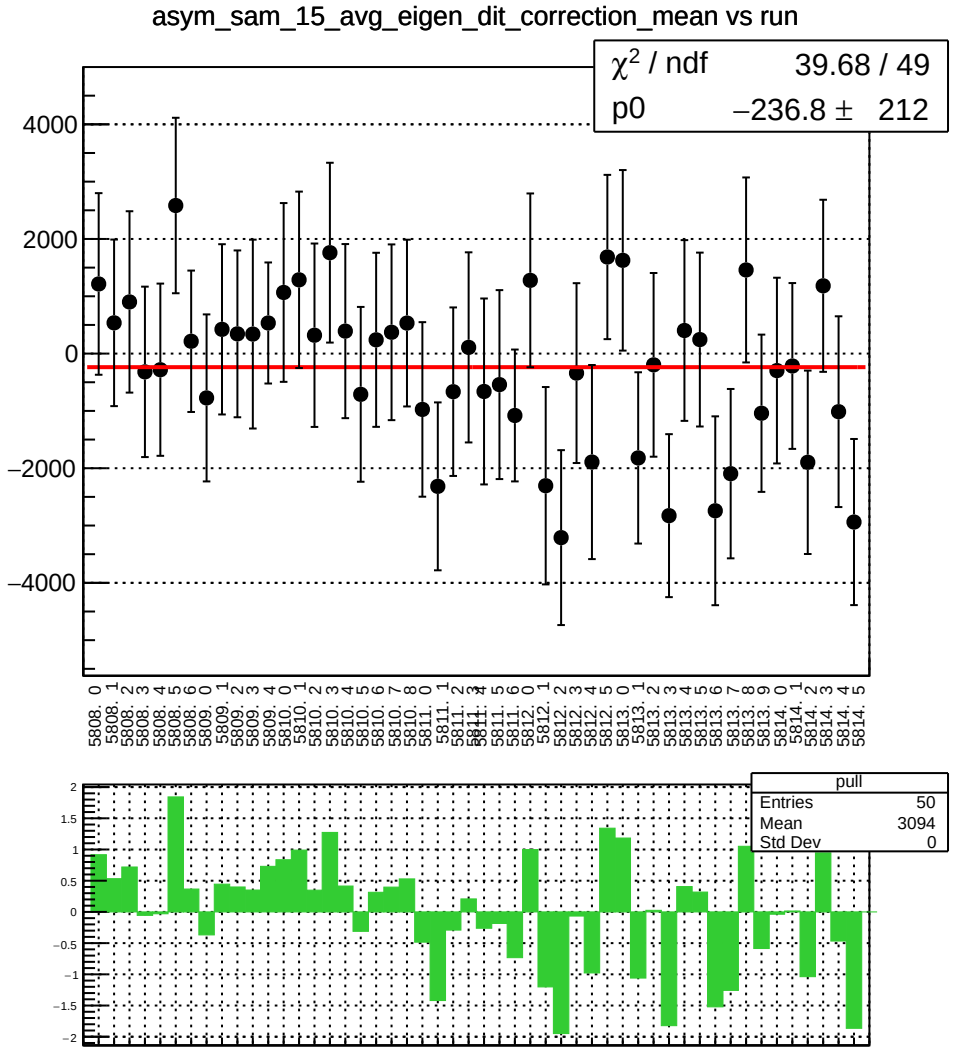
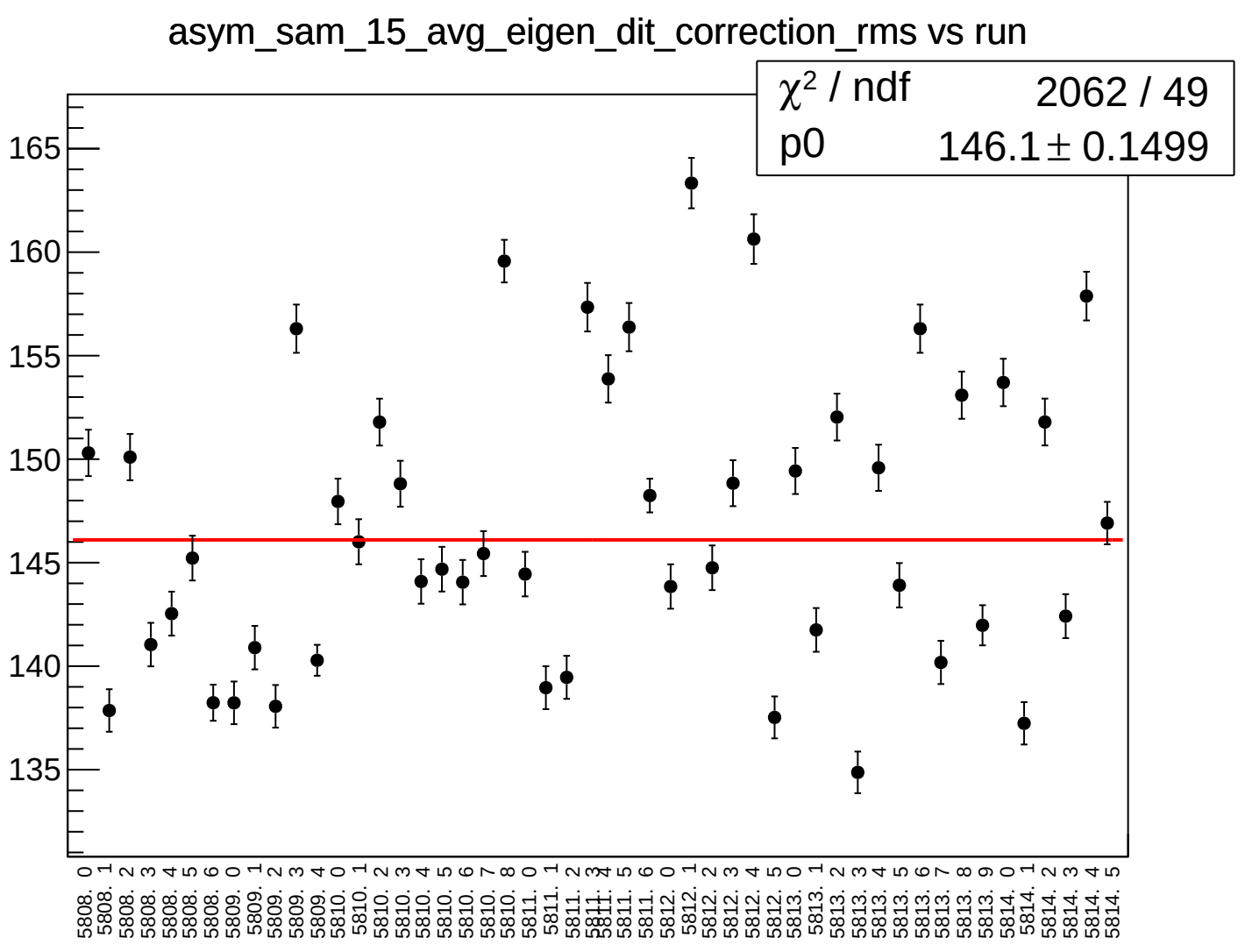
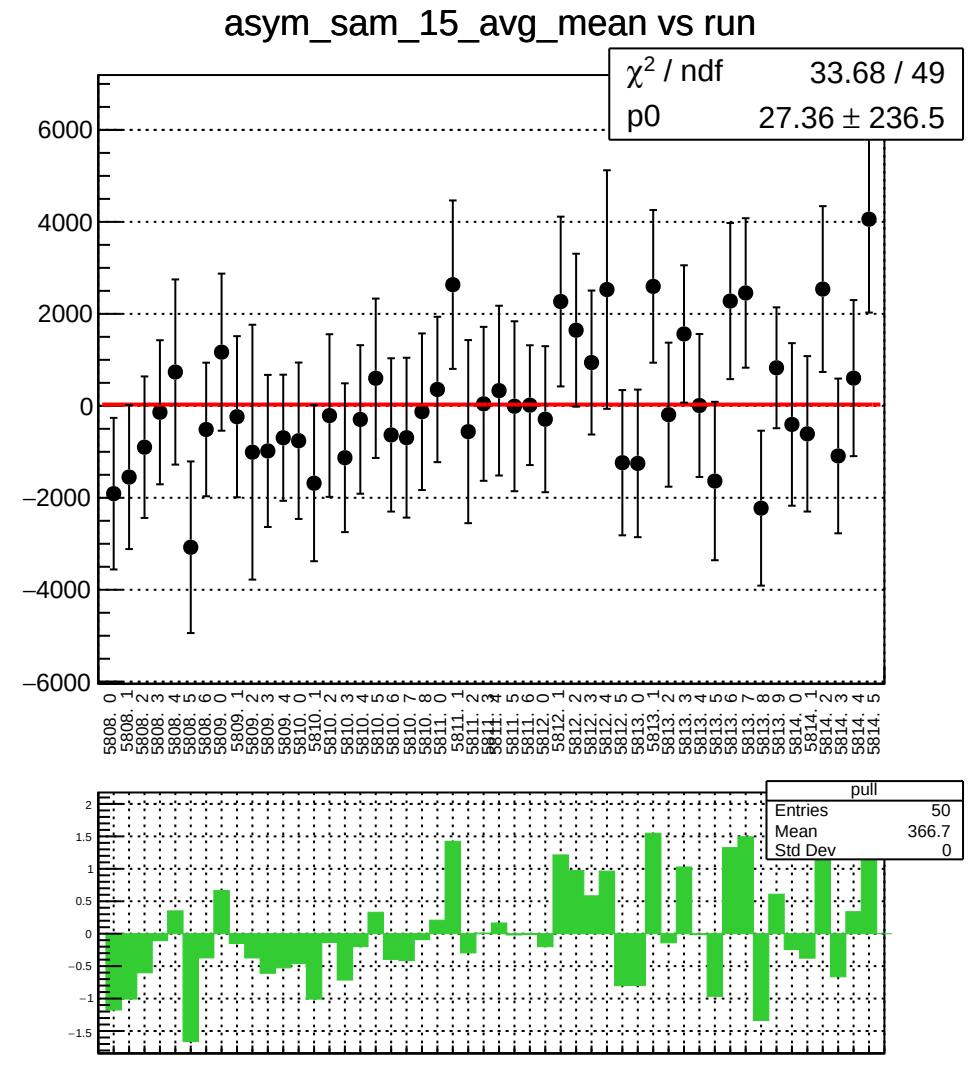
pull
Entries 50
Mean 62.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

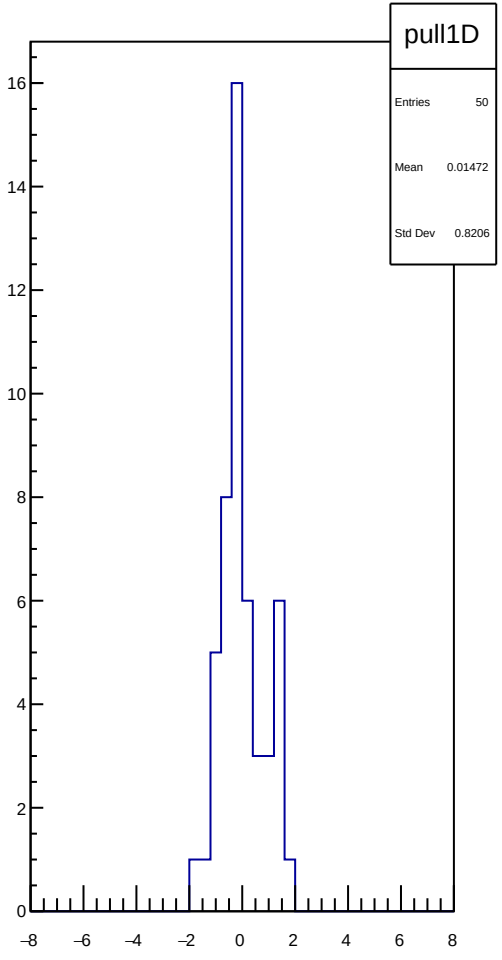

pull1D
Entries 50
Mean 0.01836
Std Dev 0.9543
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

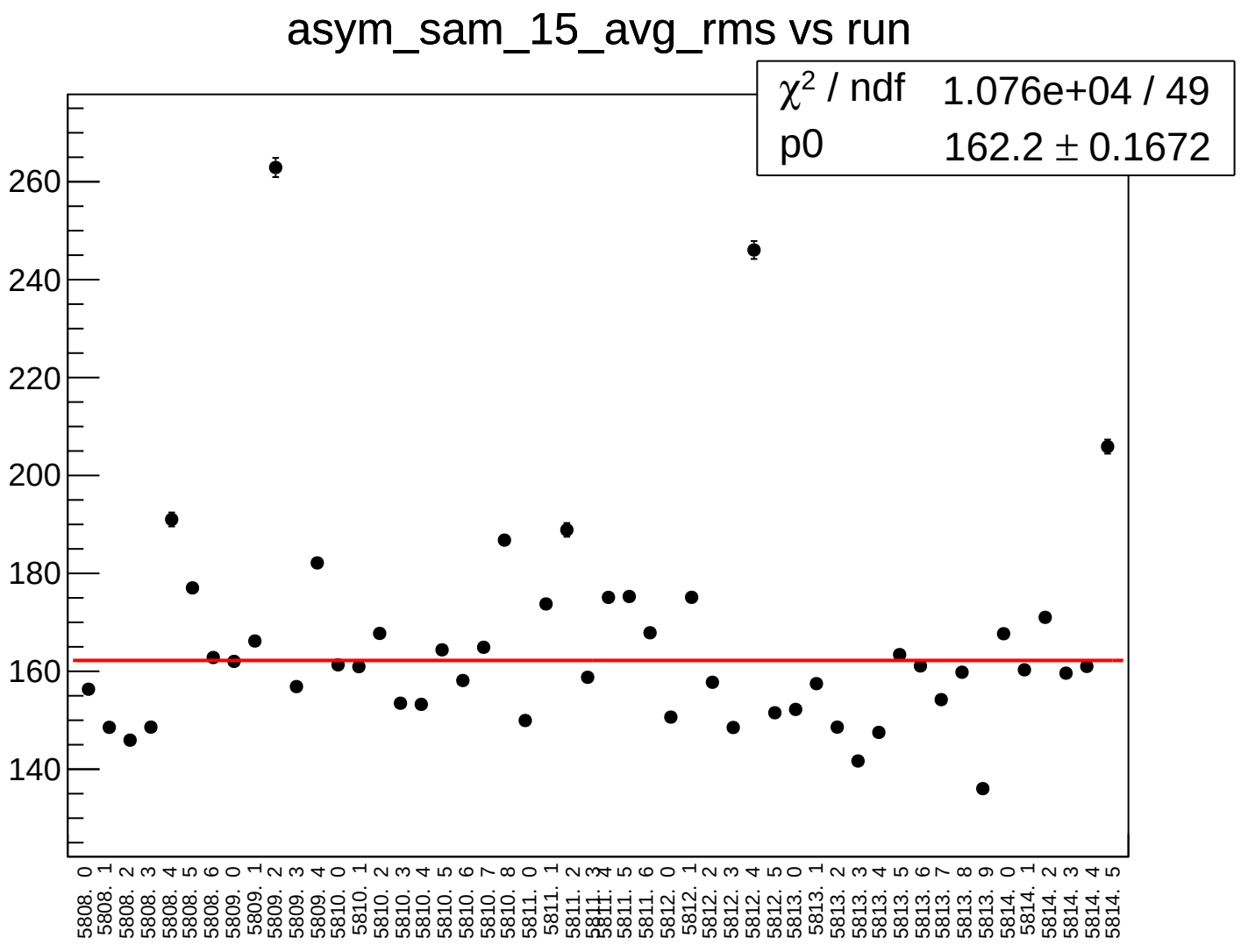

eigen_dit_asym_sam_15_avg_rms vs run
χ^2 / ndf 1.906e+04 / 49
p0 62.81 ± 0.06502
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

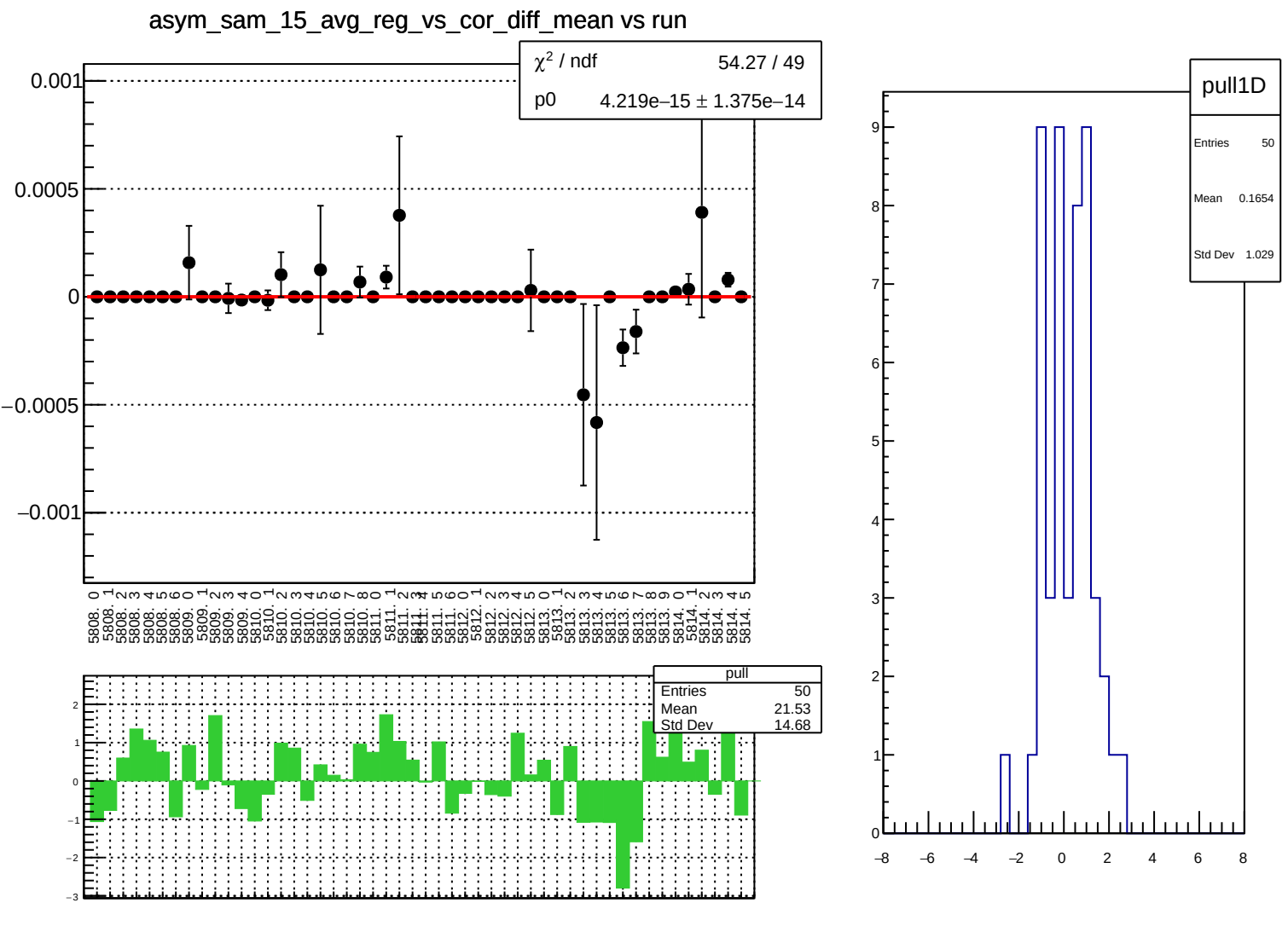

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 39.68 / 49
p0 −236.8 ± 212
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3094
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.001774
Std Dev 0.8908
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

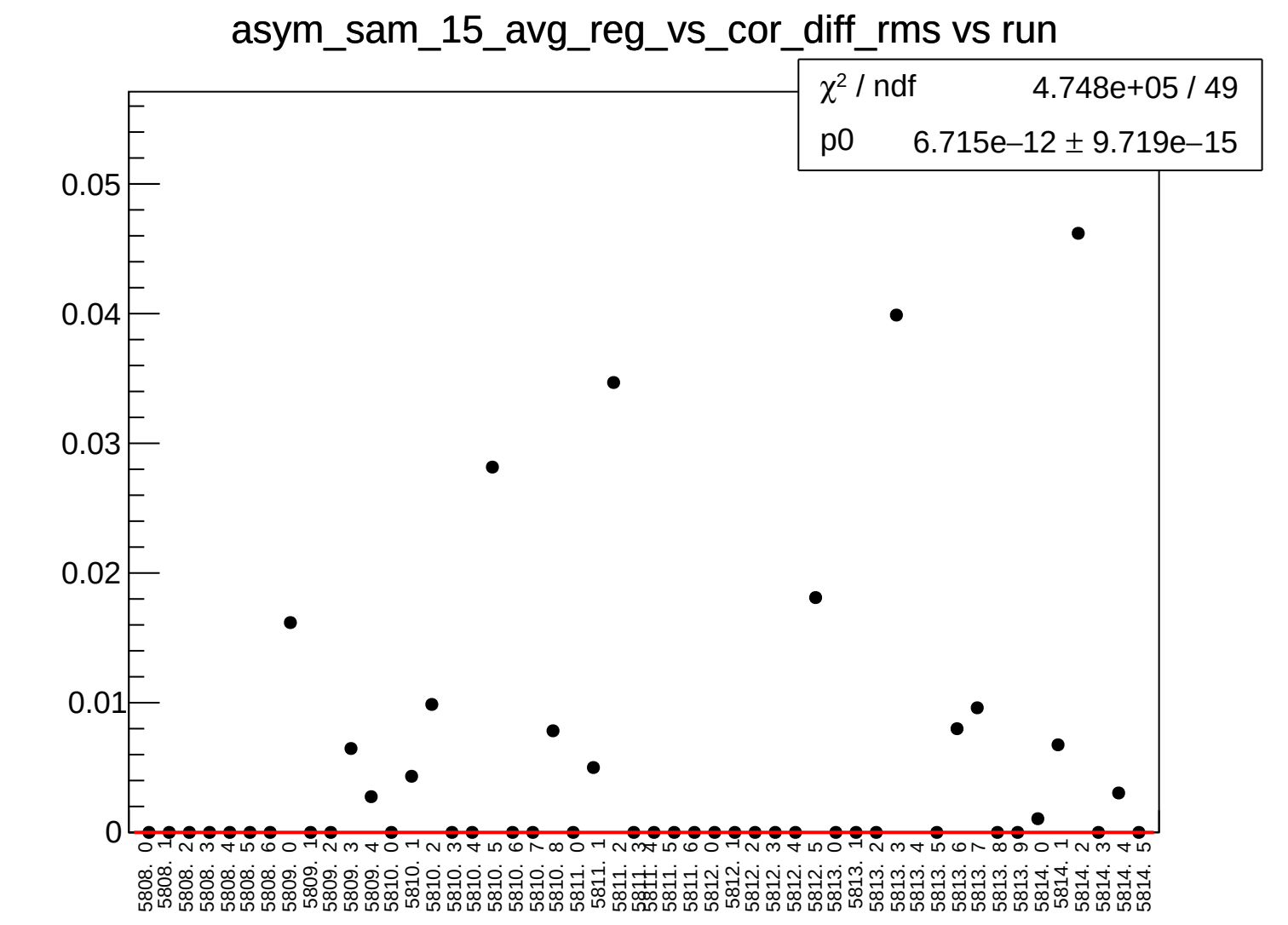

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 2062 / 49
p0 146.1 ± 0.1499
165
160
155
150
145
140
135
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

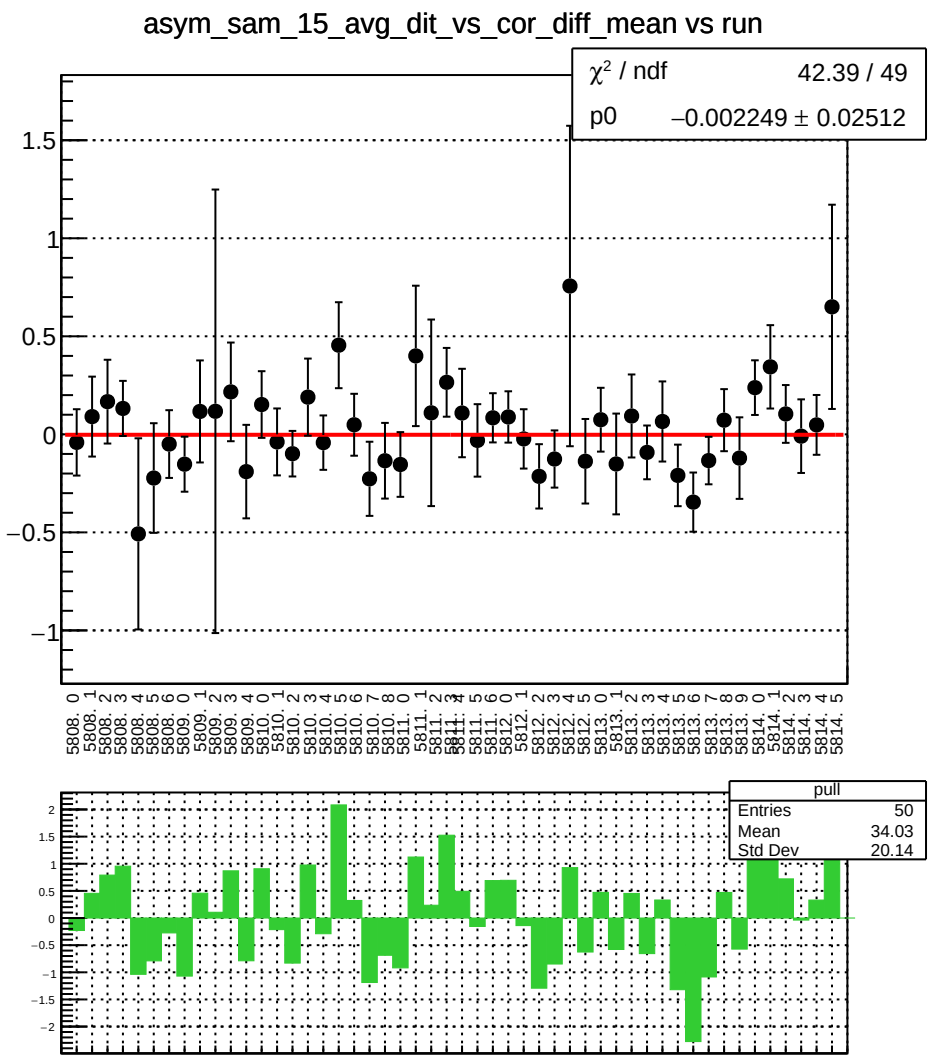

asym_sam_15_avg_mean vs run
χ² / ndf 33.68 / 49
p0 27.36 ± 236.5
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 366.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

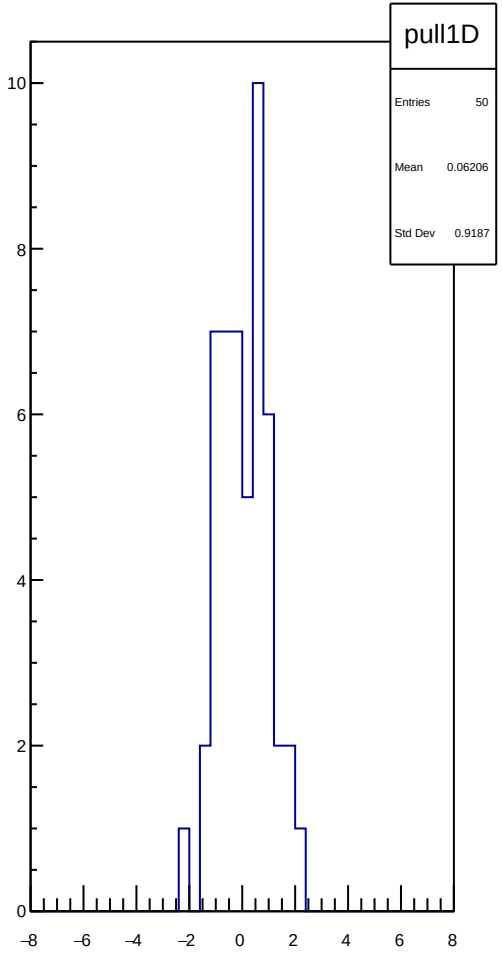

pull1D
Entries 50
Mean 0.01472
Std Dev 0.8206
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

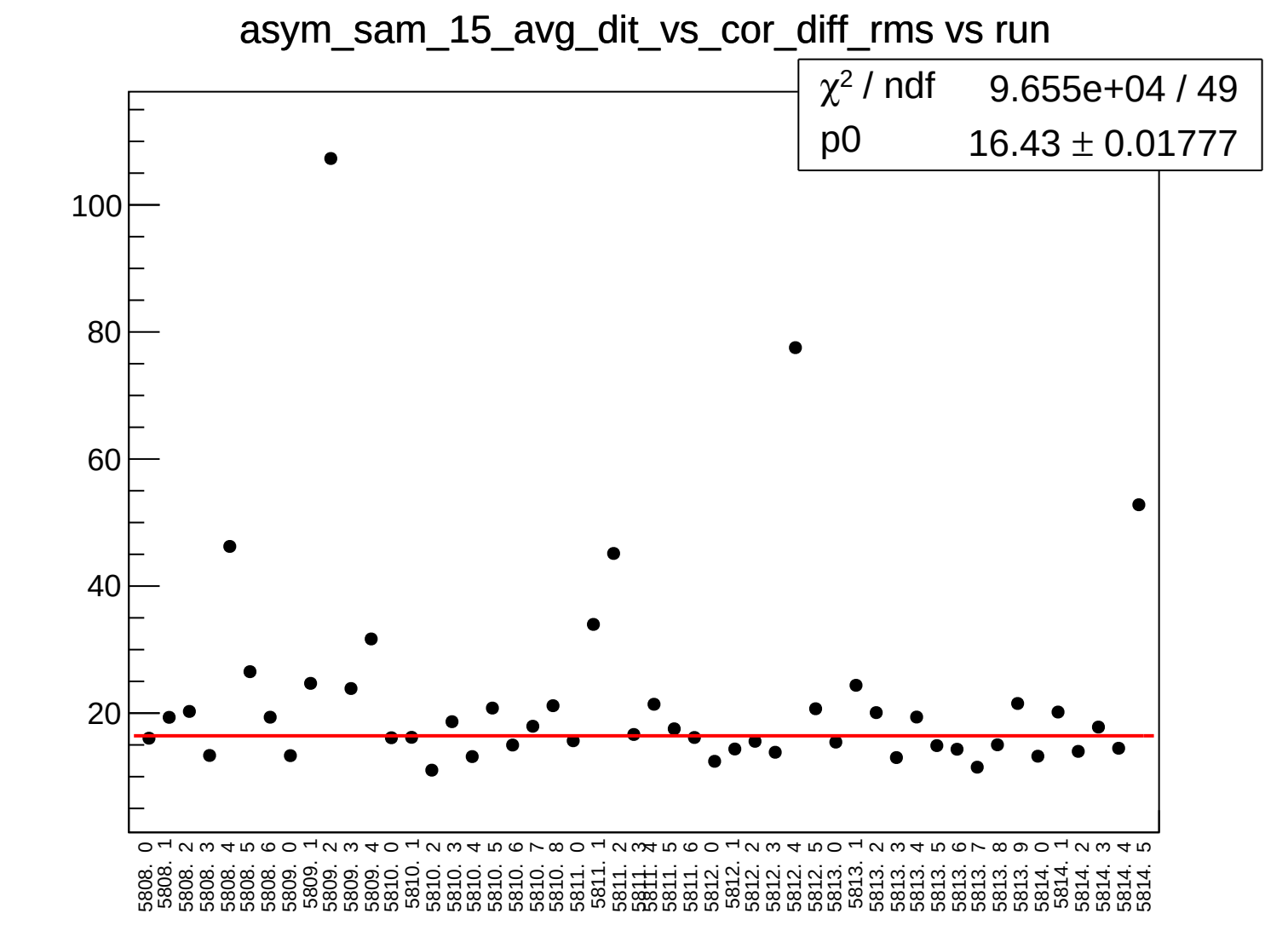

asym_sam_15_avg_rms vs run
χ² / ndf 1.076e+04 / 49
p0 162.2 ± 0.1672
260
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

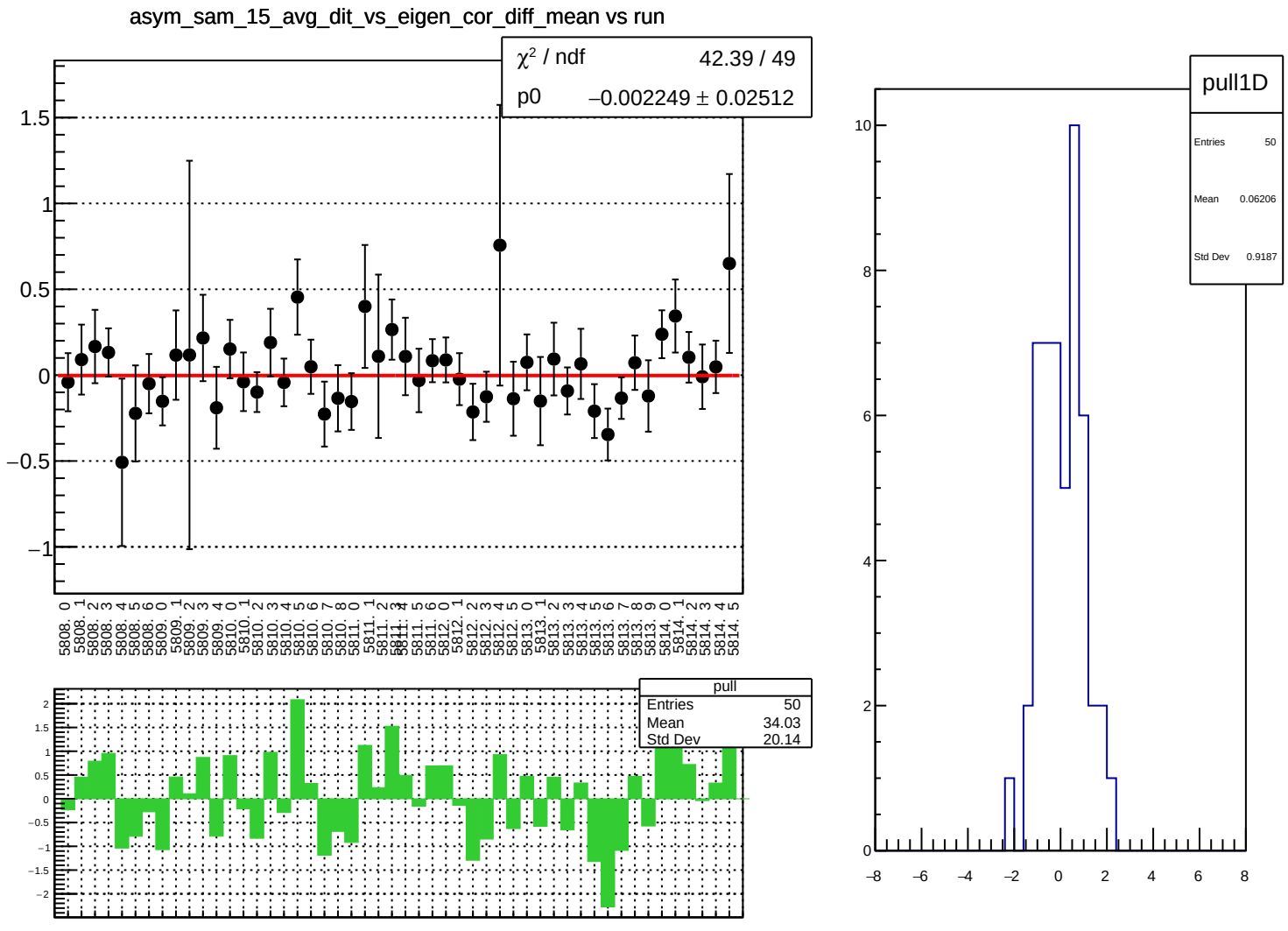

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.27 / 49
p0 4.219e−15 ± 1.375e−14
0.001
0.0005
0
−0.0005
−0.001
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 21.53
Std Dev 14.68
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.1654
Std Dev 1.029
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

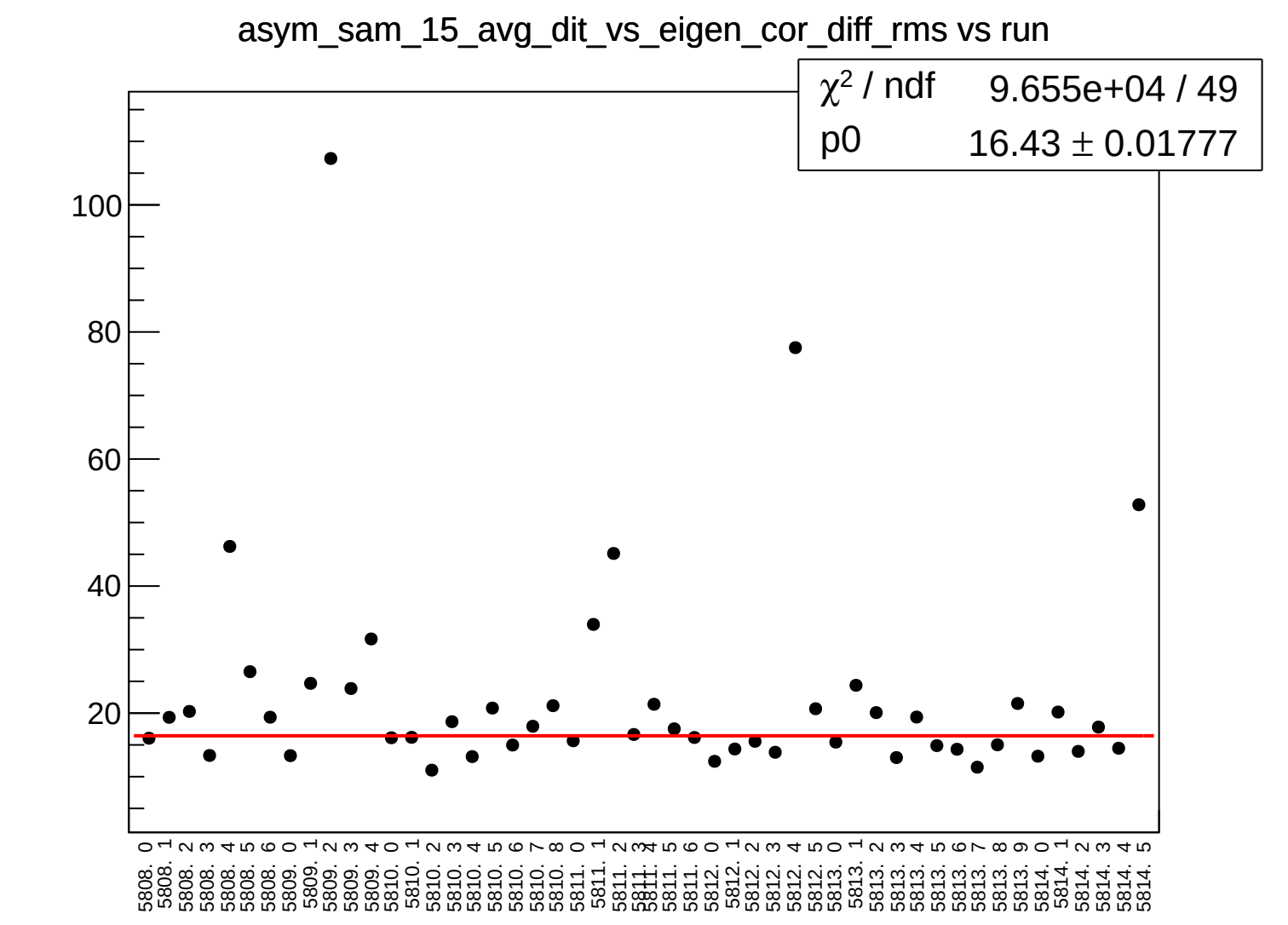

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.748e+05 / 49
p0 6.715e−12 ± 9.719e−15
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.39 / 49
p0 −0.002249 ± 0.02512
pull
Entries 50
Mean 34.03
Std Dev 20.14


pull1D
Entries 50
Mean 0.06206
Std Dev 0.9187


asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.655e+04 / 49
p0 16.43 ± 0.01777
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.39 / 49
p0 −0.002249 ± 0.02512
pull
Entries 50
Mean 34.03
Std Dev 20.14
pull1D
Entries 50
Mean 0.06206
Std Dev 0.9187


asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.655e+04 / 49
p0 16.43 ± 0.01777
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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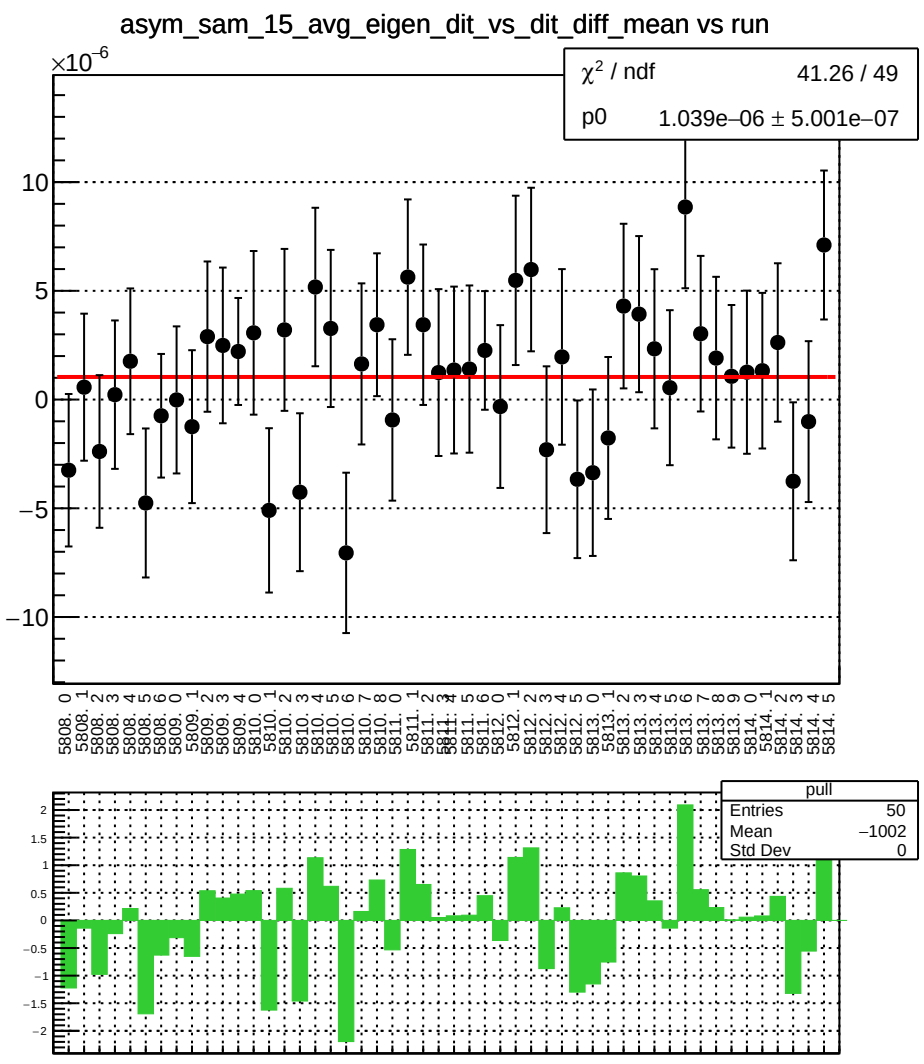
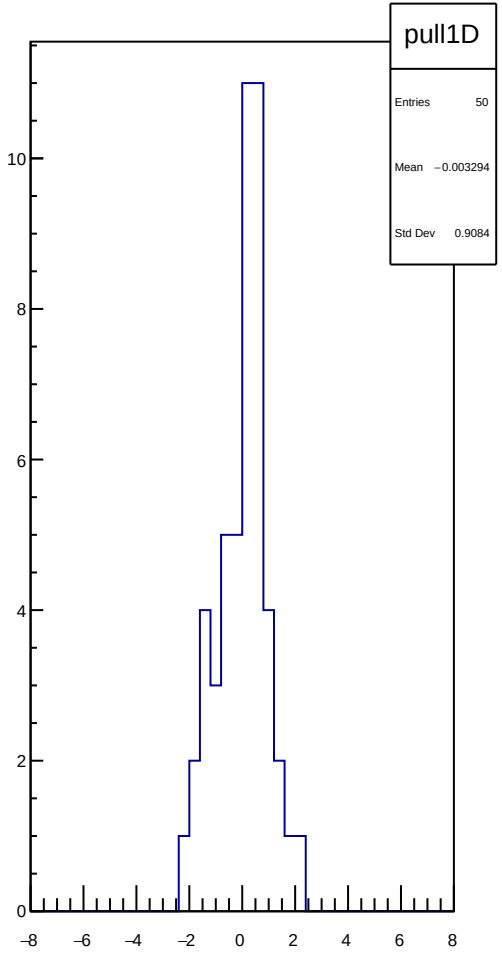
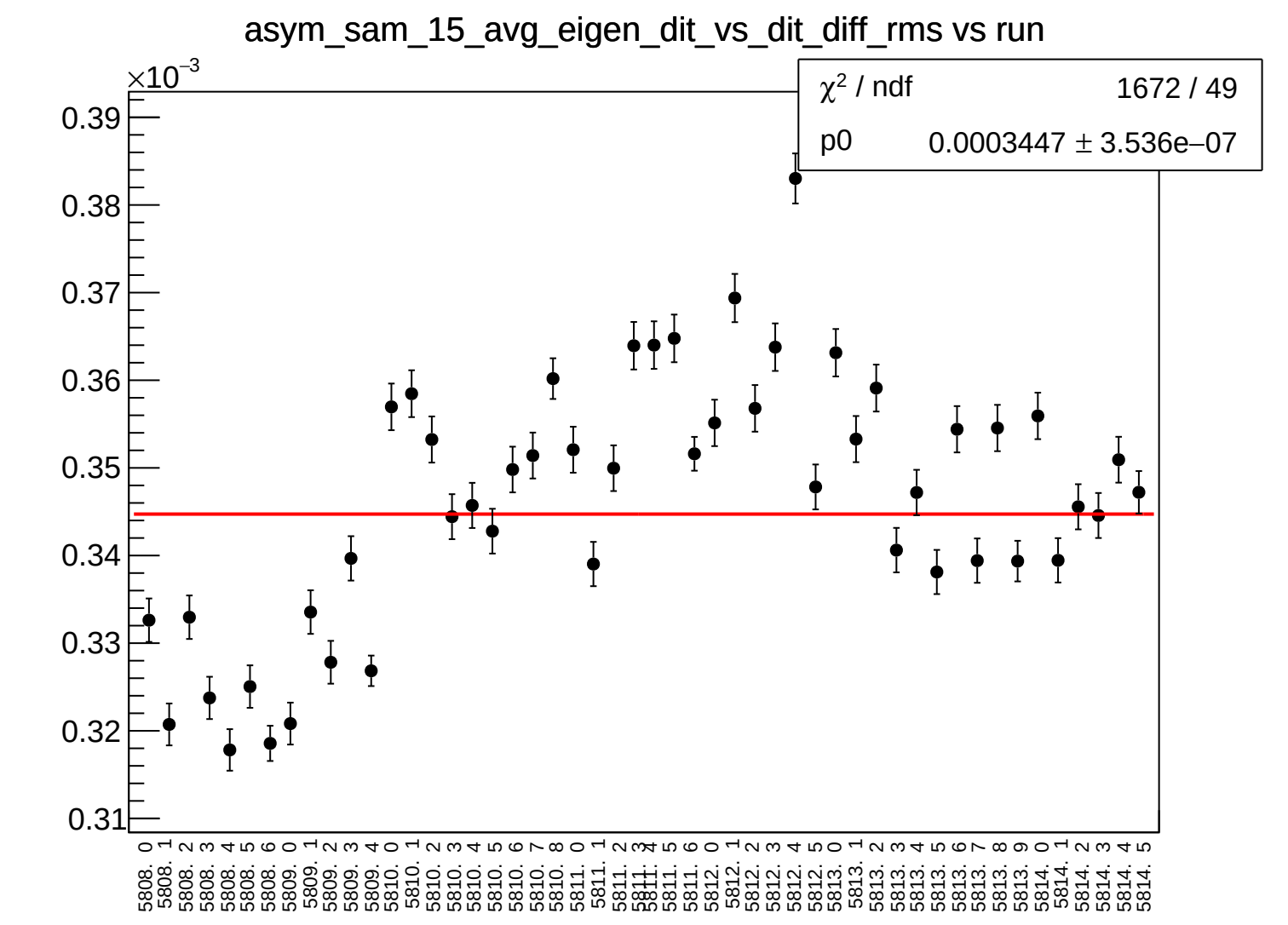
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 41.26 / 49
p0 1.039e−06 ± 5.001e−07
10
5
0
−5
−10
pull
Entries 50
Mean −1002
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean −0.003294
Std Dev 0.9084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 1672 / 49
p0 0.0003447 ± 3.536e−07
0.39
0.38
0.37
0.36
0.35
0.34
0.33
0.32
0.31
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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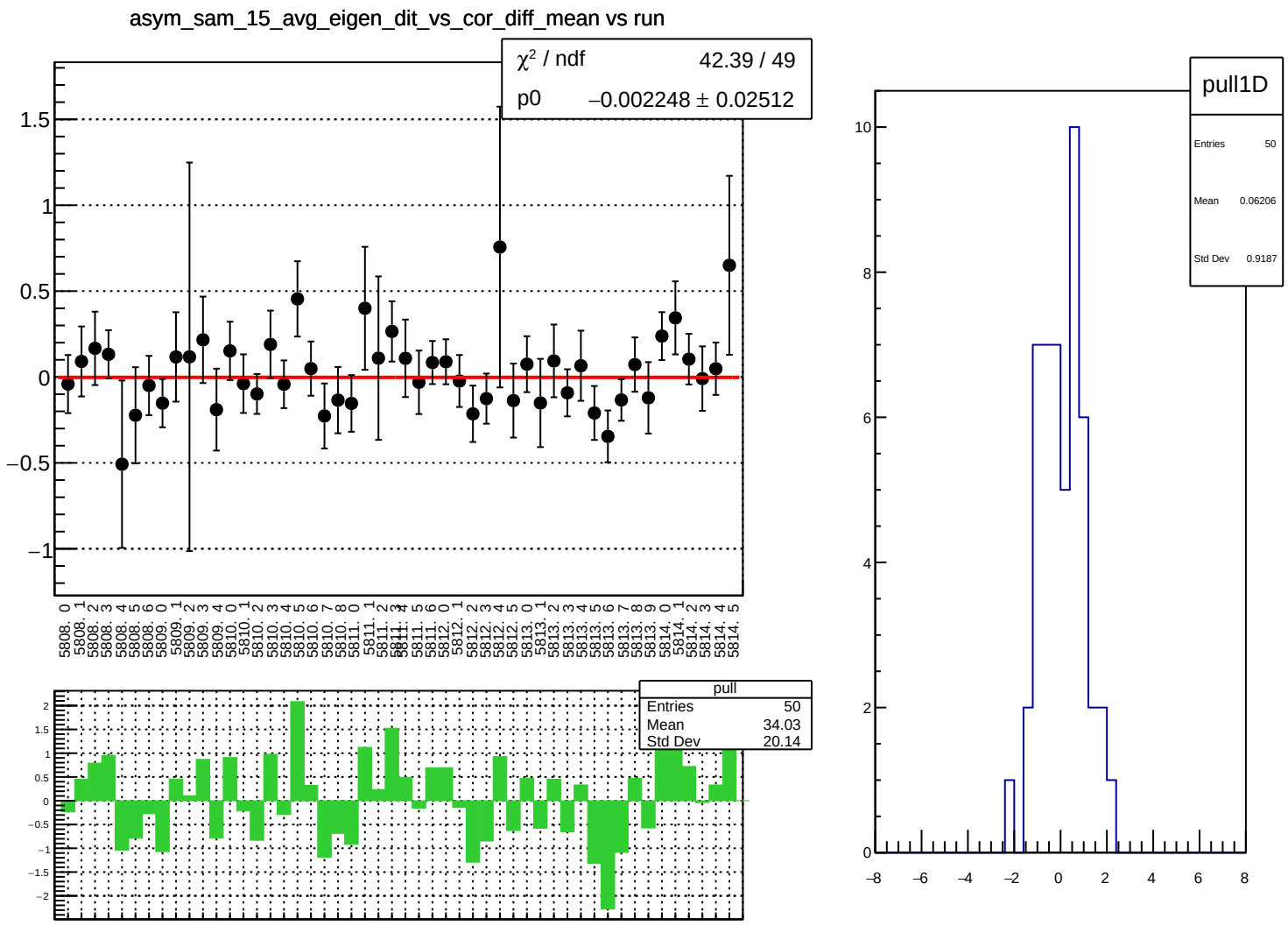
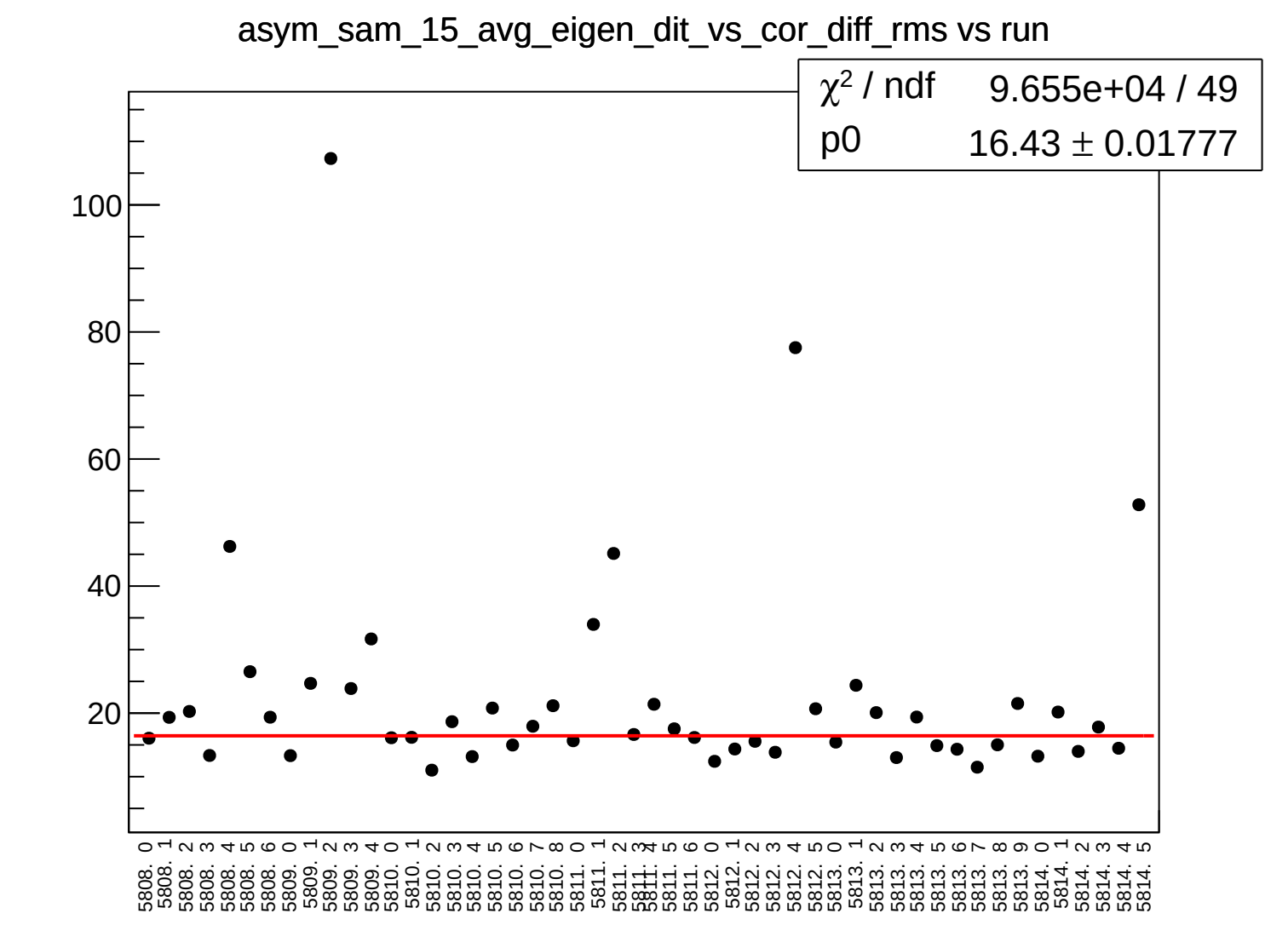
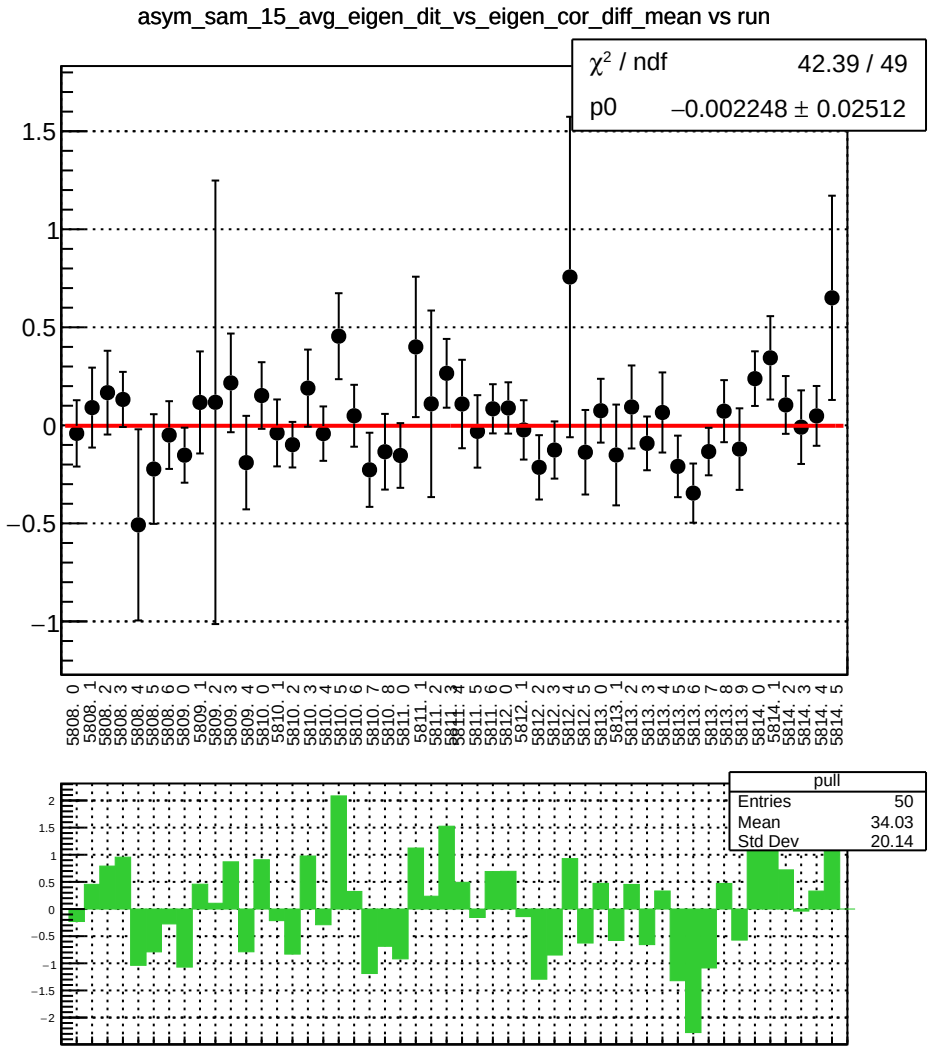
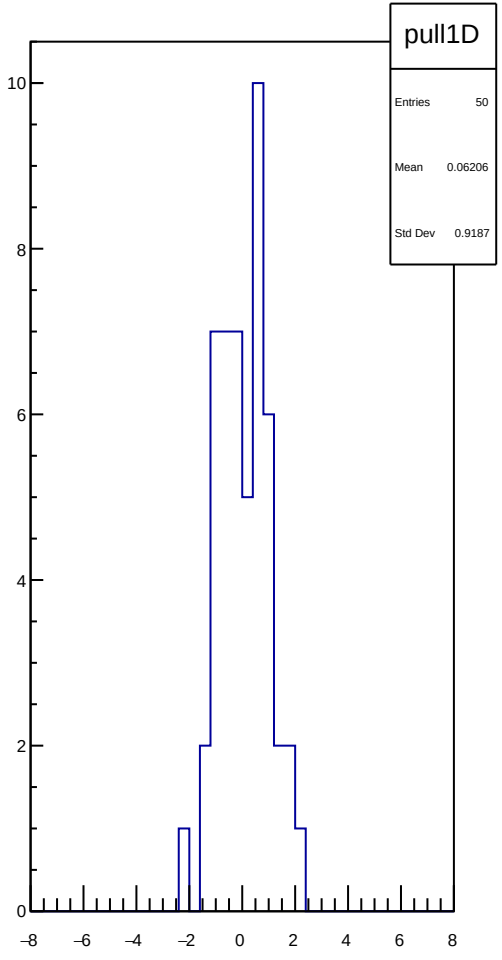
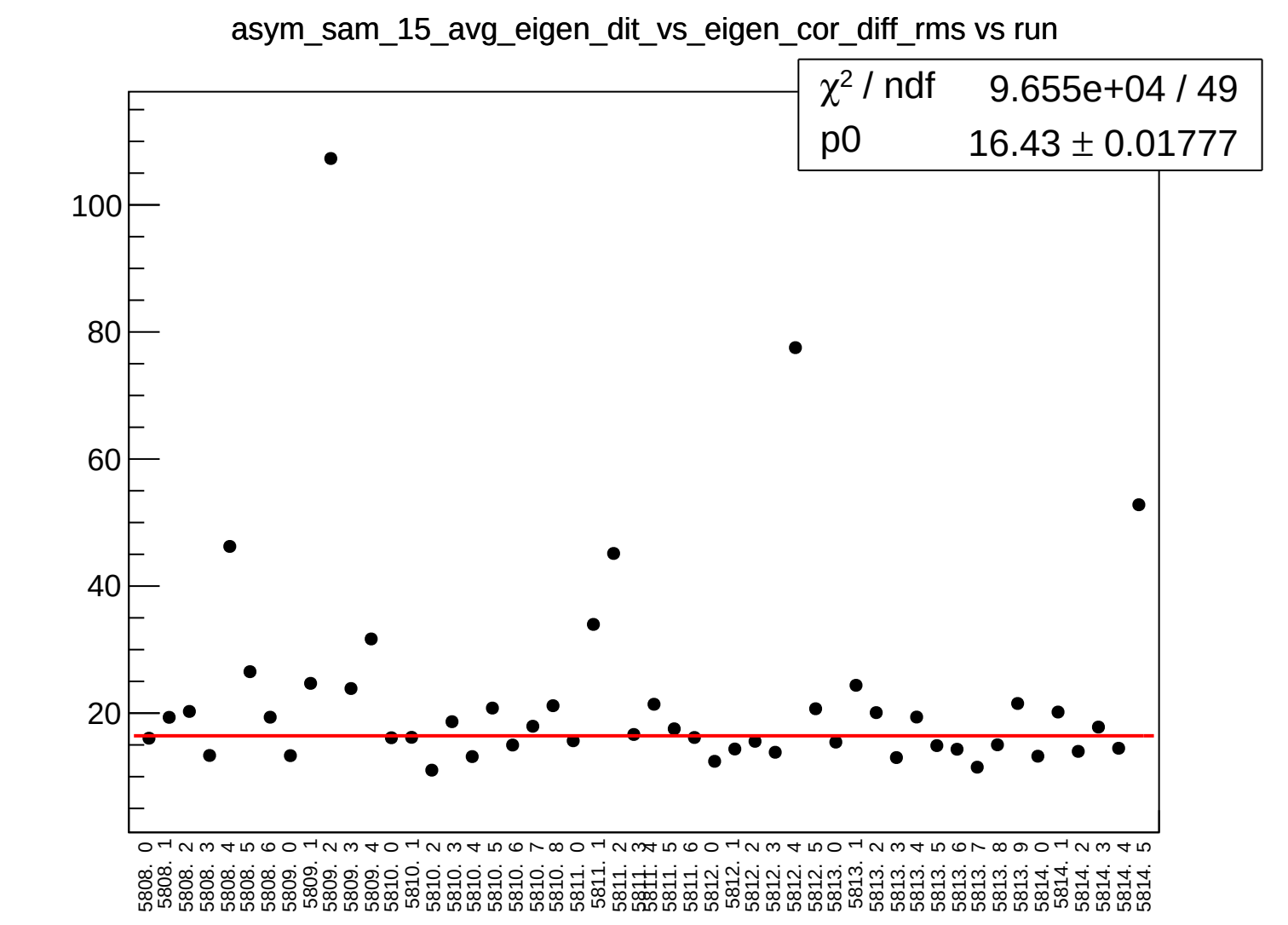
5814. 5


asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.39 / 49
p0 −0.002248 ± 0.02512
pull
Entries 50
Mean 34.03
Std Dev 20.14
pull1D
Entries 50
Mean 0.06206
Std Dev 0.9187


asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.655e+04 / 49
p0 16.43 ± 0.01777
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.39 / 49
p0 −0.002248 ± 0.02512
pull
Entries 50
Mean 34.03
Std Dev 20.14


pull1D
Entries 50
Mean 0.06206
Std Dev 0.9187


asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.655e+04 / 49
p0 16.43 ± 0.01777
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
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5813. 7
5813. 8
5813. 9
5814. 0
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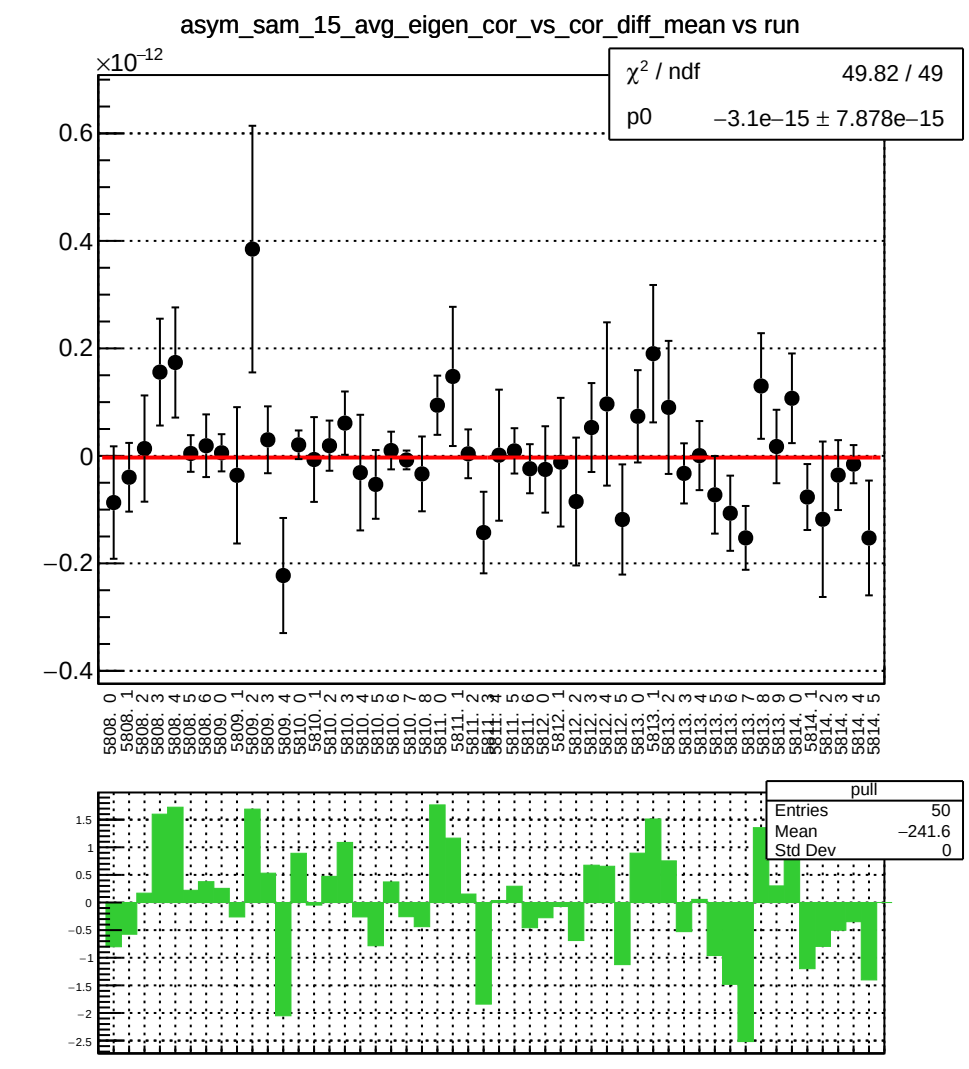
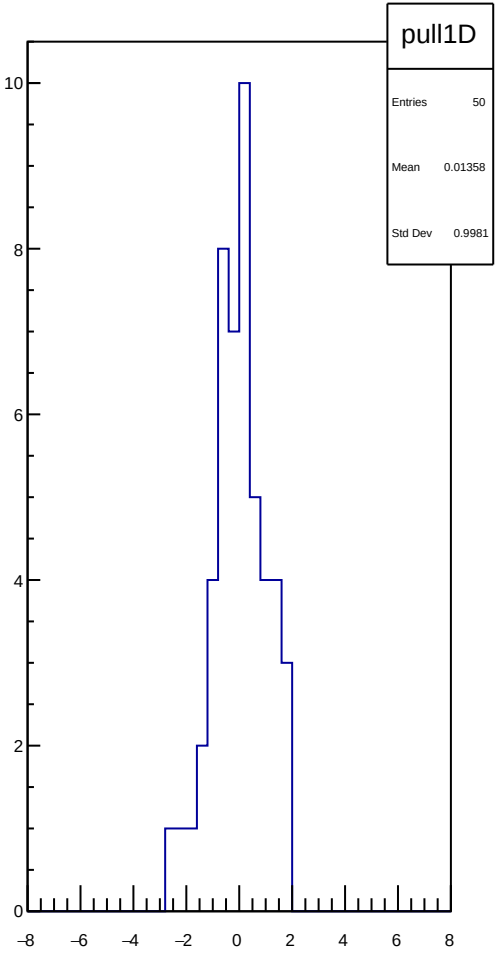
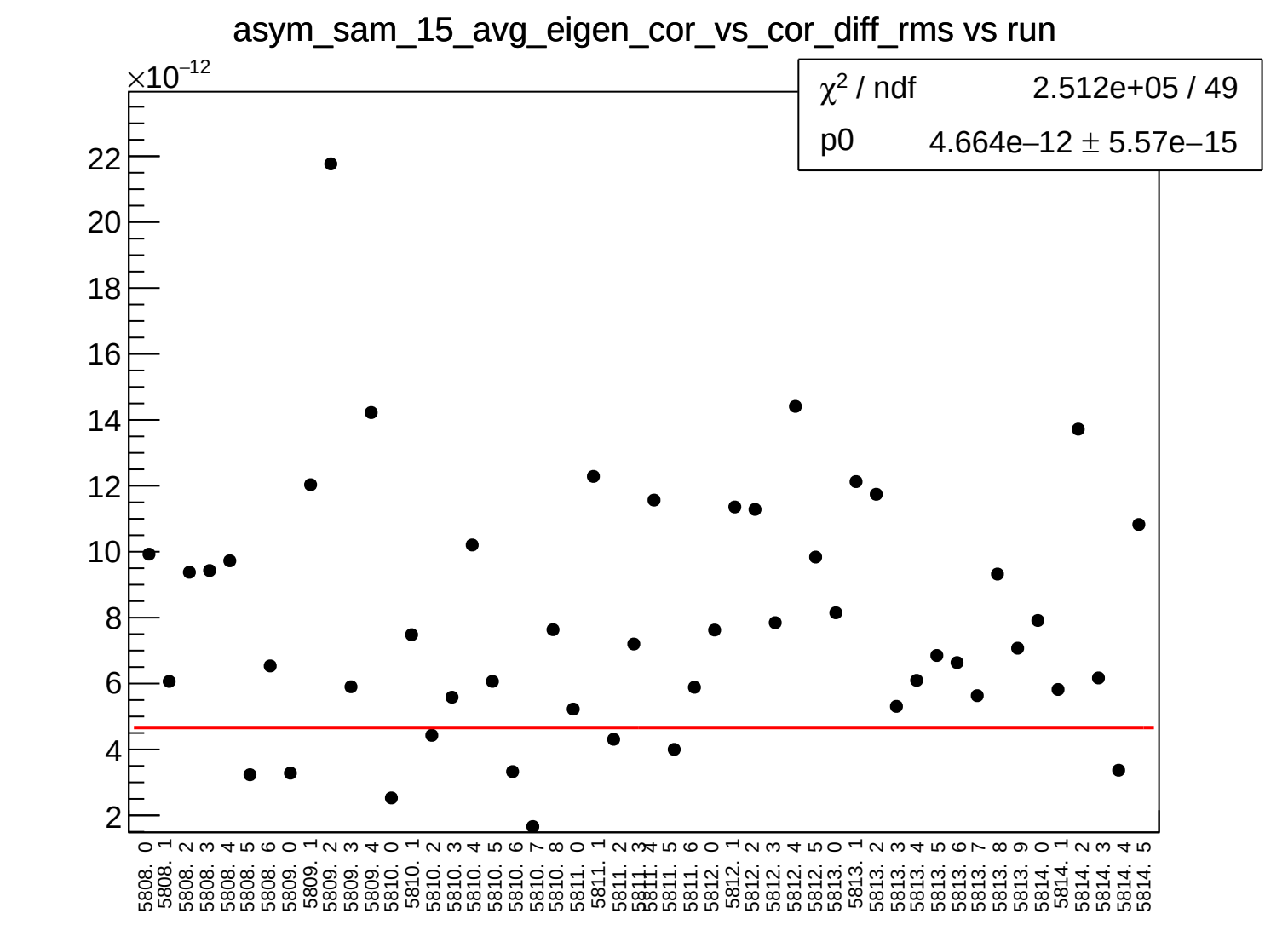
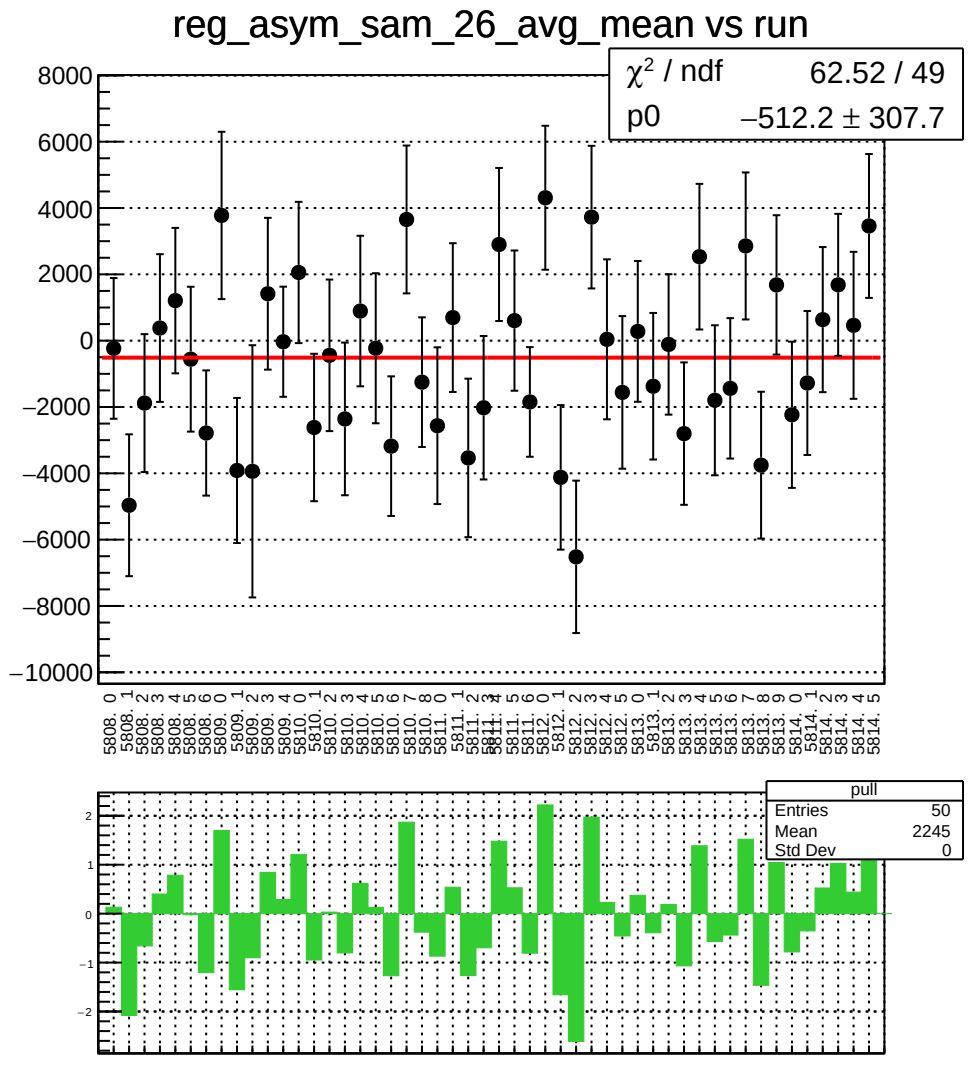
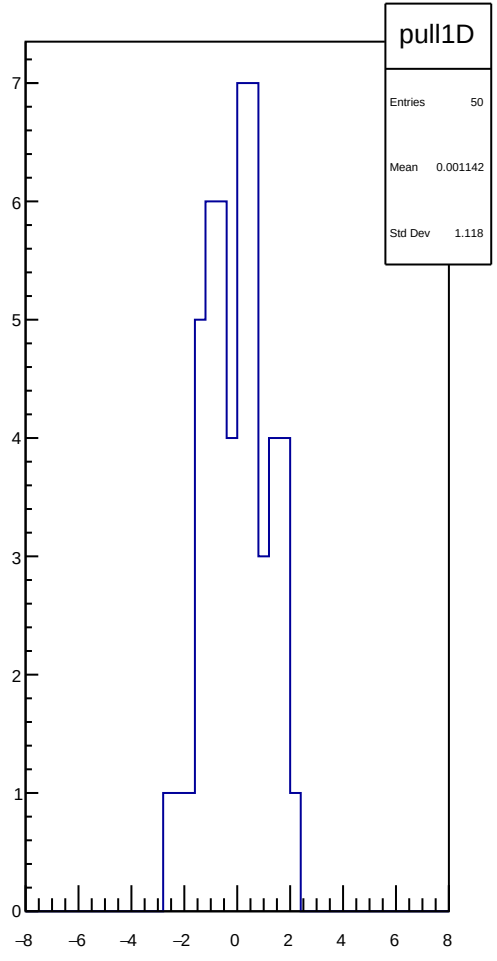
5814. 3
5814. 4
5814. 5

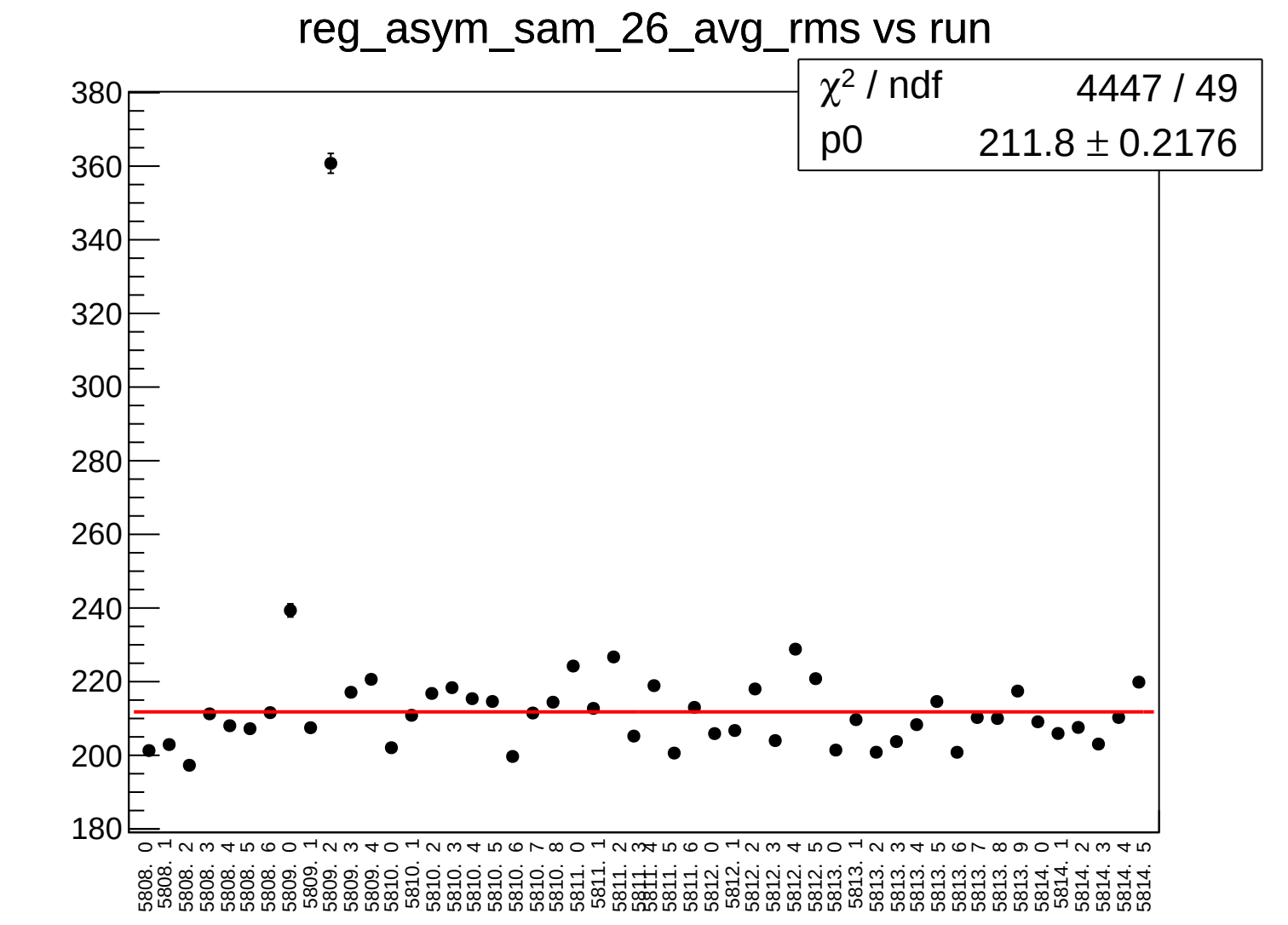

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.82 / 49
p0 −3.1e−15 ± 7.878e−15
0.6
0.4
0.2
0
−0.2
−0.4
pull
Entries 50
Mean −241.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

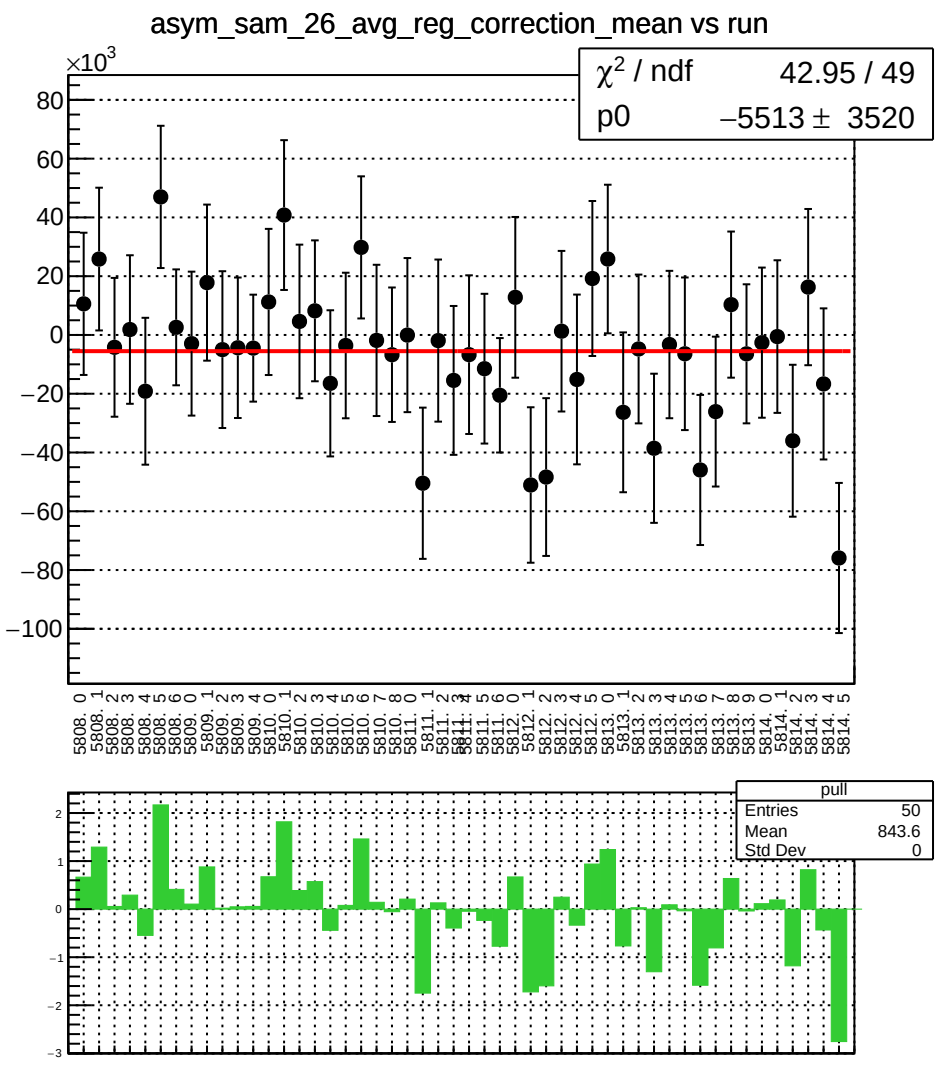

pull1D
Entries 50
Mean 0.01358
Std Dev 0.9981
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

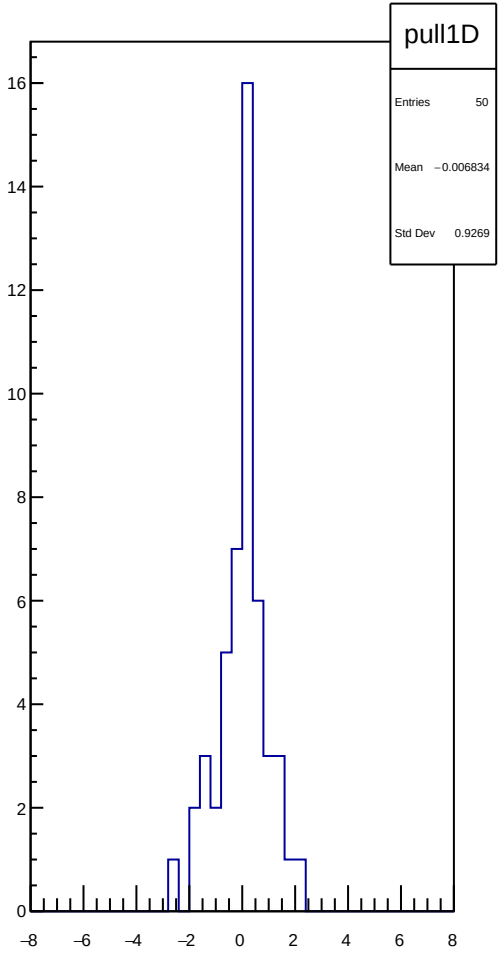

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.512e+05 / 49
p0 4.664e−12 ± 5.57e−15
22
20
18
16
14
12
10
8
6
4
2
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

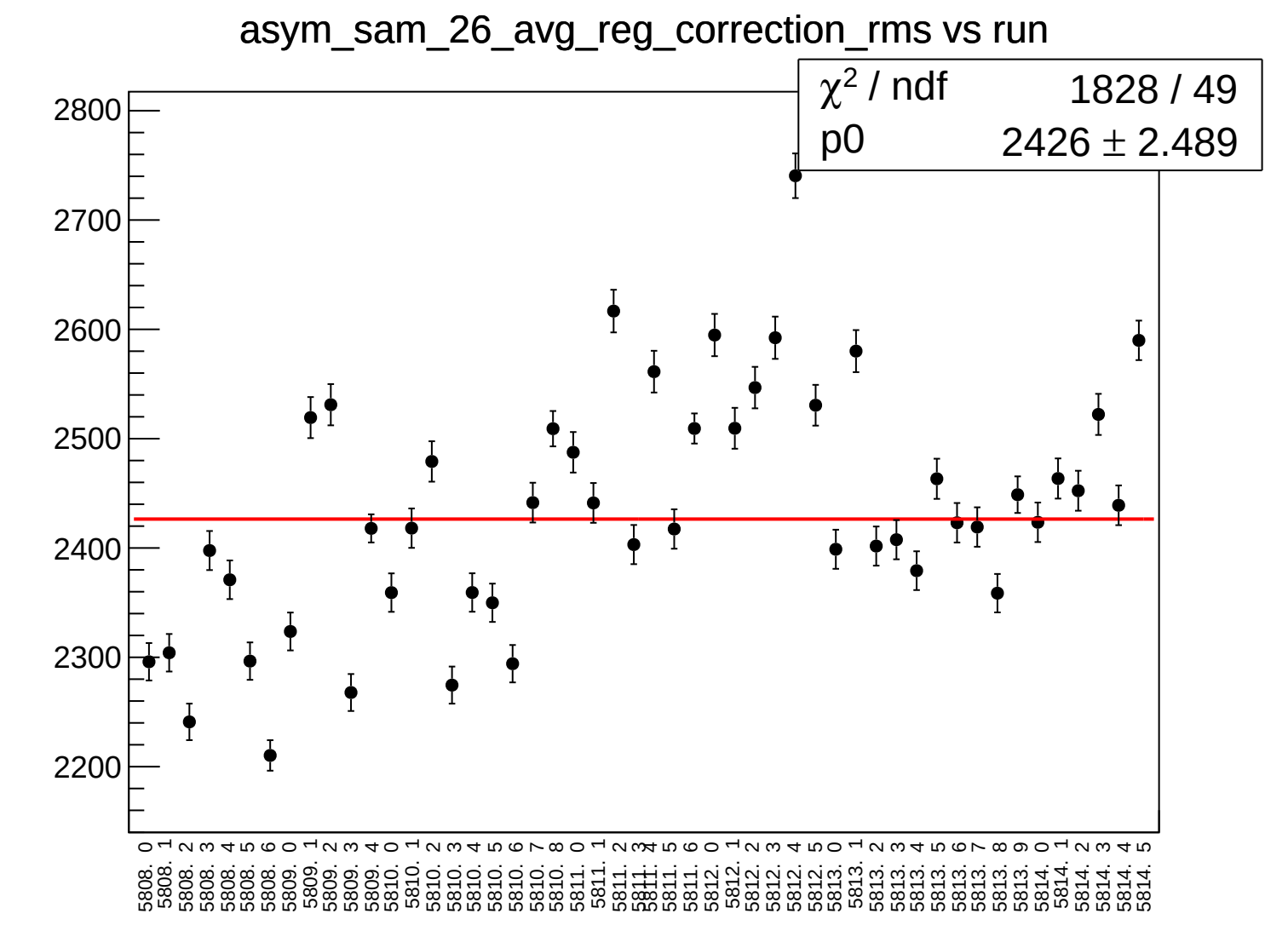

reg_asym_sam_26_avg_mean vs run
χ² / ndf 62.52 / 49
p0 −512.2 ± 307.7
pull
Entries 50
Mean 2245
Std Dev 0

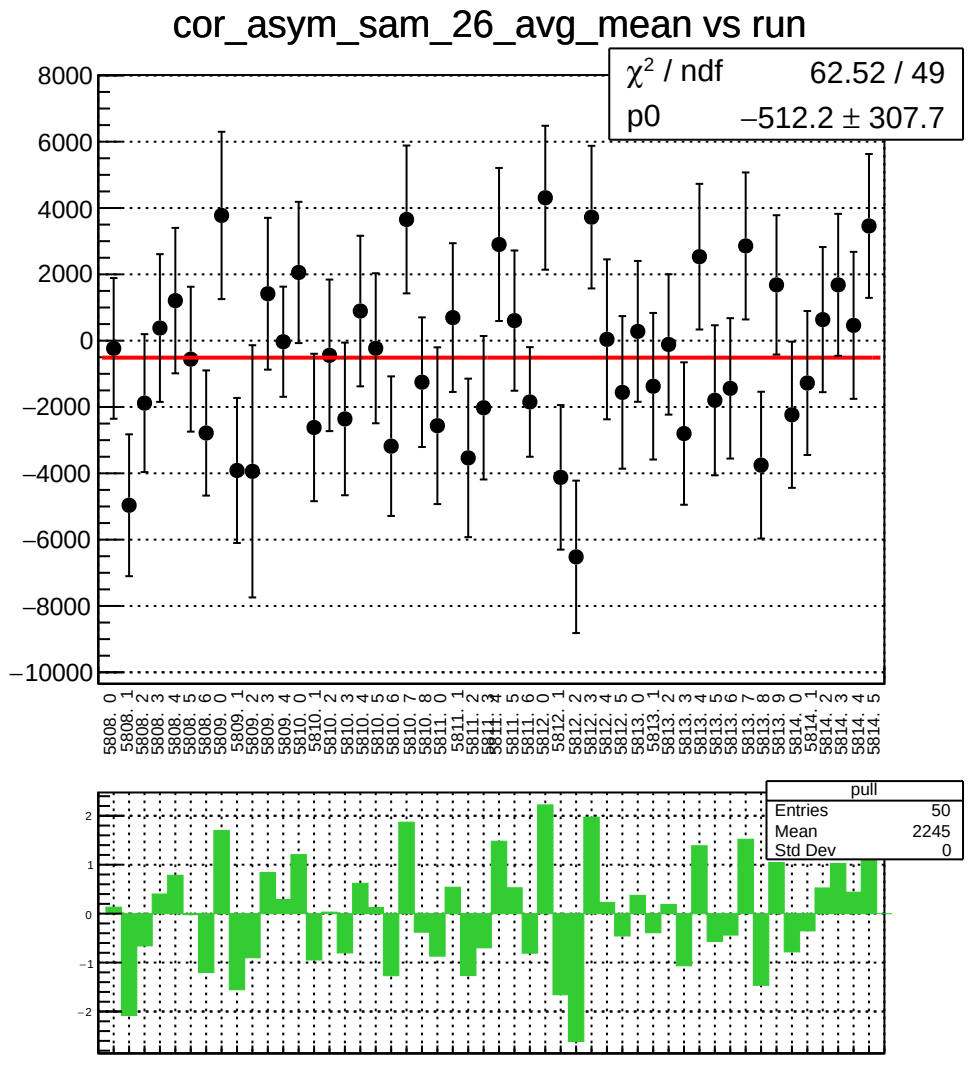

pull1D
Entries 50
Mean 0.001142
Std Dev 1.118

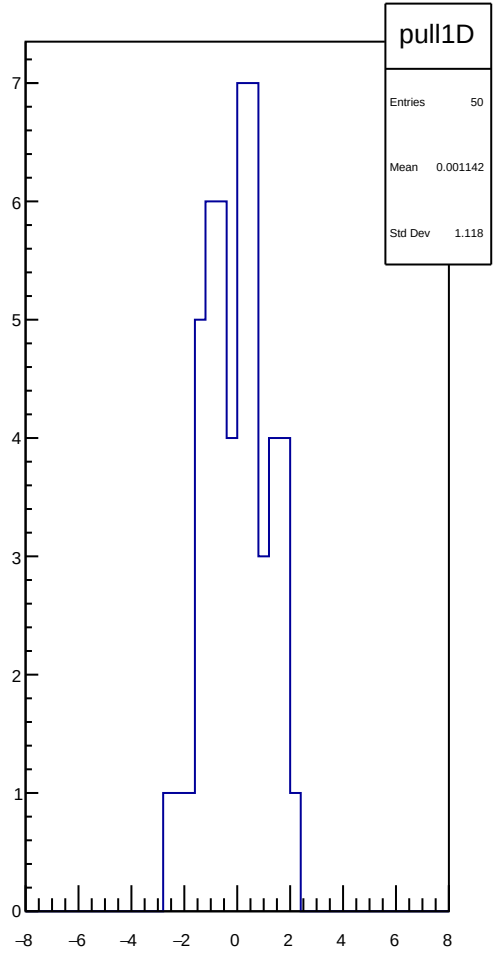

reg_asym_sam_26_avg_rms vs run
χ² / ndf 4447 / 49
p0 211.8 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

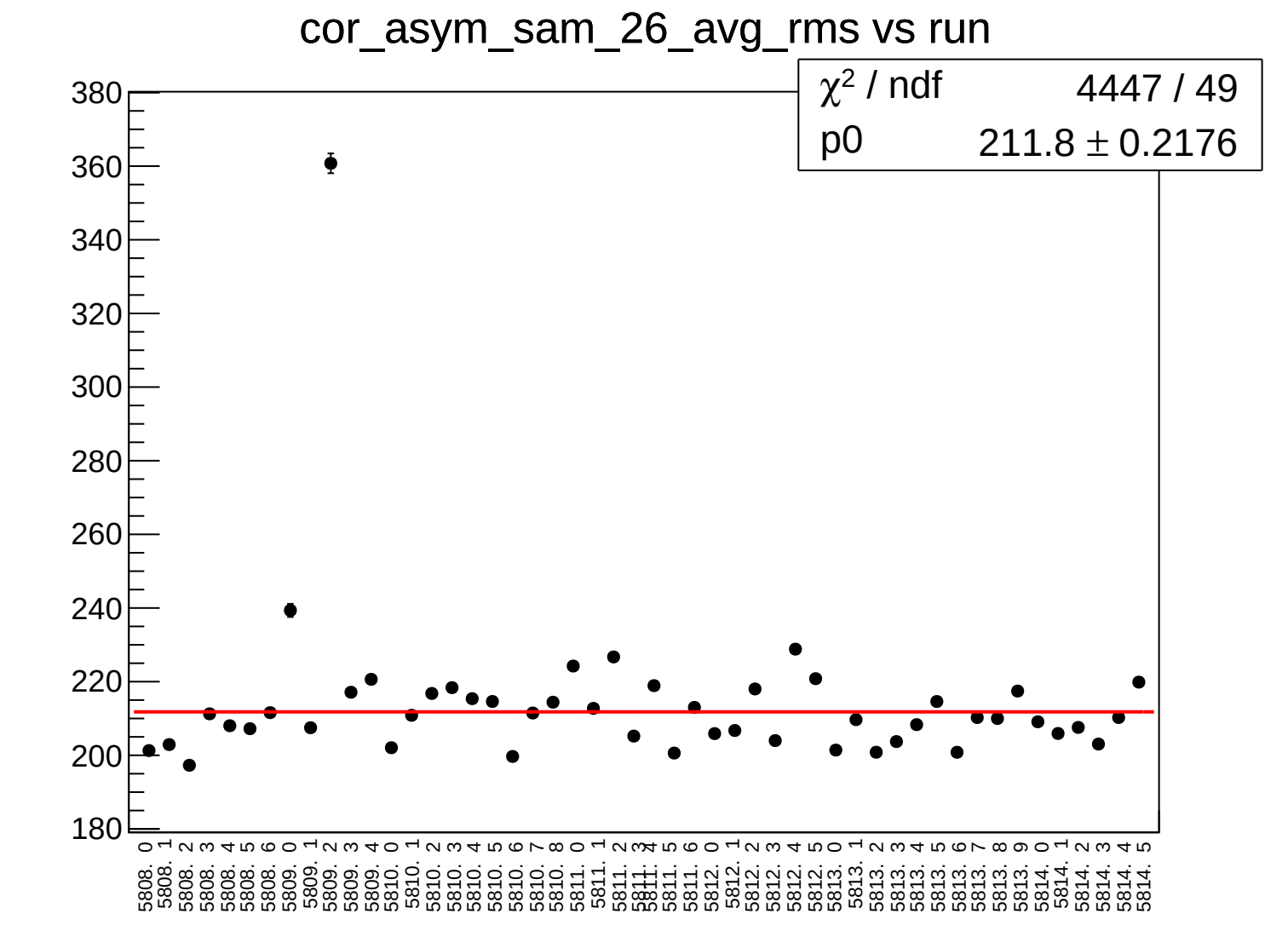

asym_sam_26_avg_reg_correction_mean vs run
×10^3
χ² / ndf 42.95 / 49
p0 −5513 ± 3520
pull
Entries 50
Mean 843.6
Std Dev 0

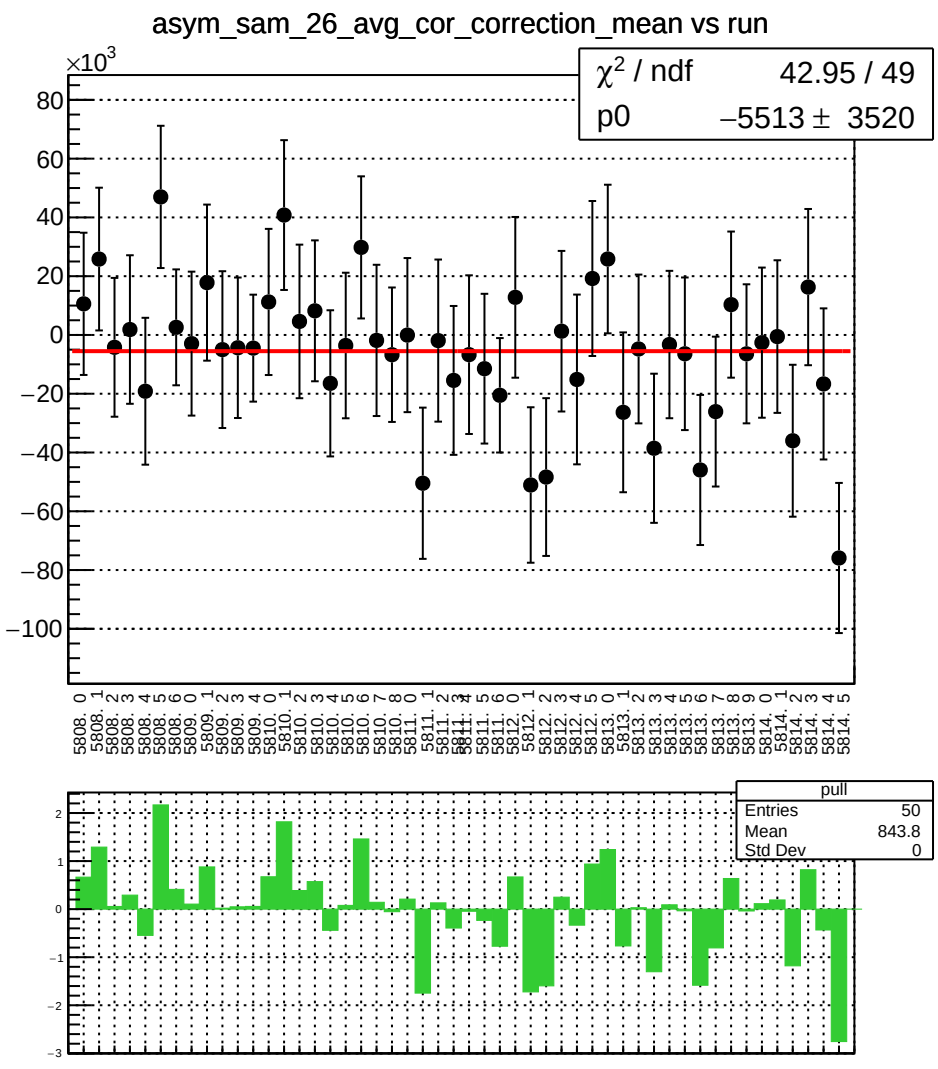

pull1D
Entries 50
Mean −0.006834
Std Dev 0.9269

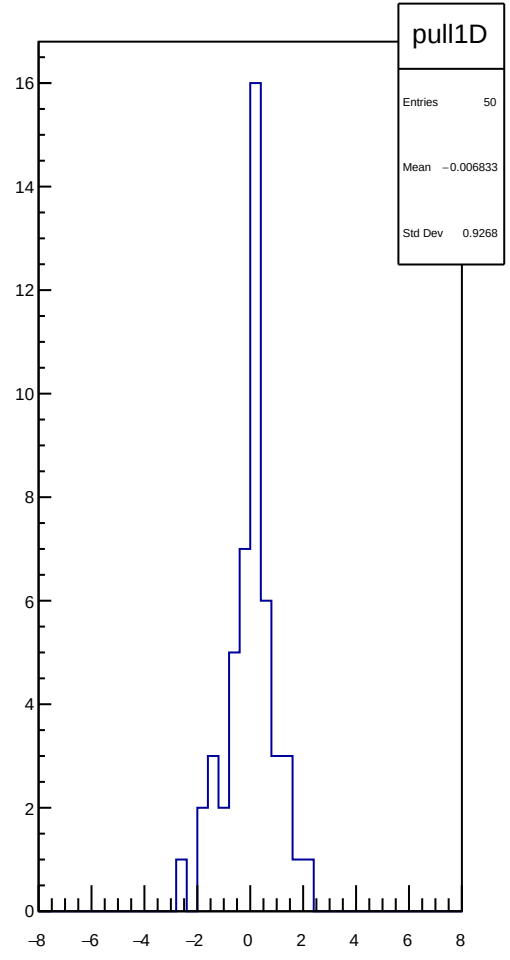

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 1828 / 49
p0 2426 ± 2.489
2800
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

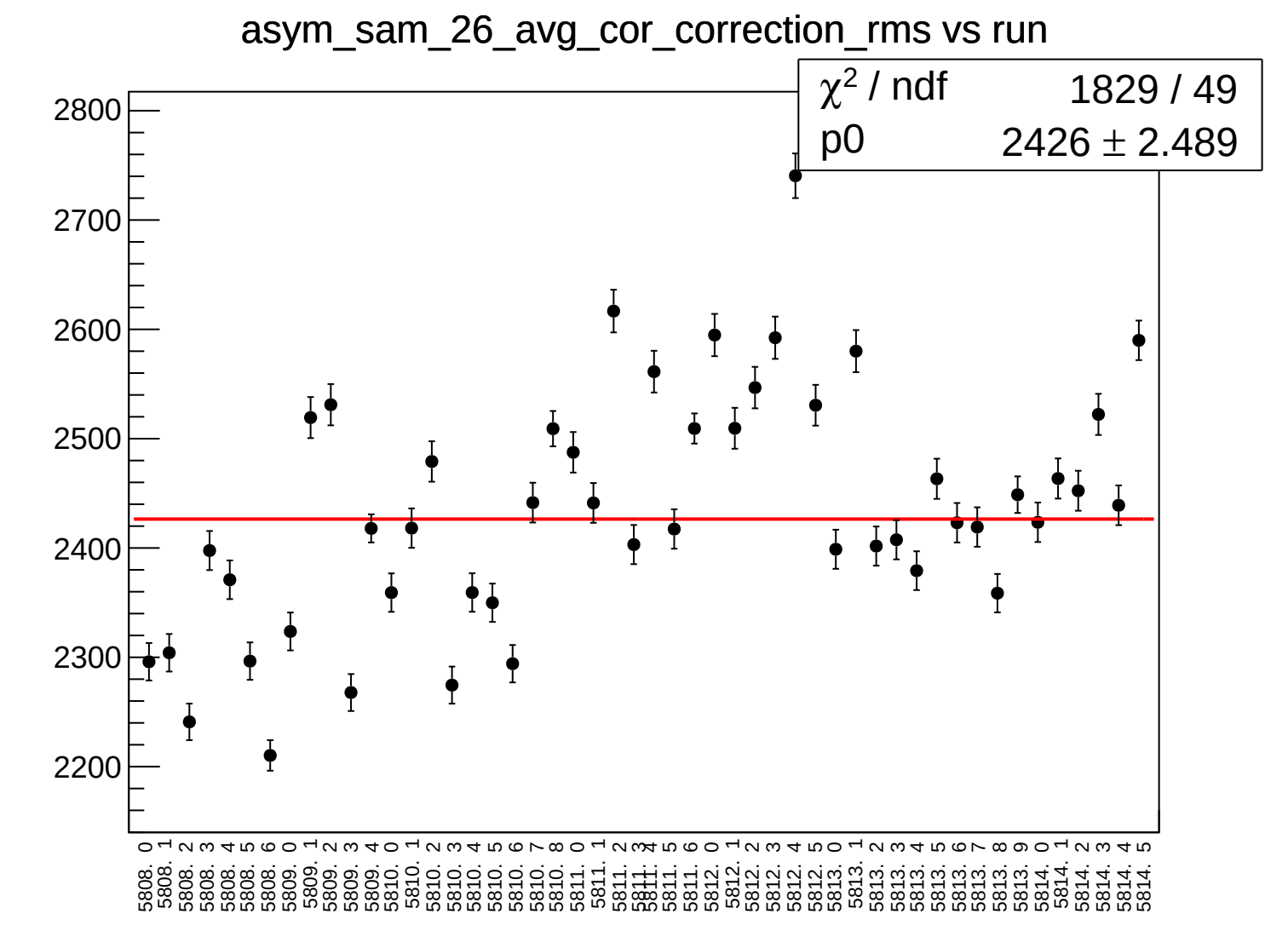

cor_asym_sam_26_avg_mean vs run
χ² / ndf 62.52 / 49
p0 −512.2 ± 307.7
pull
Entries 50
Mean 2245
Std Dev 0

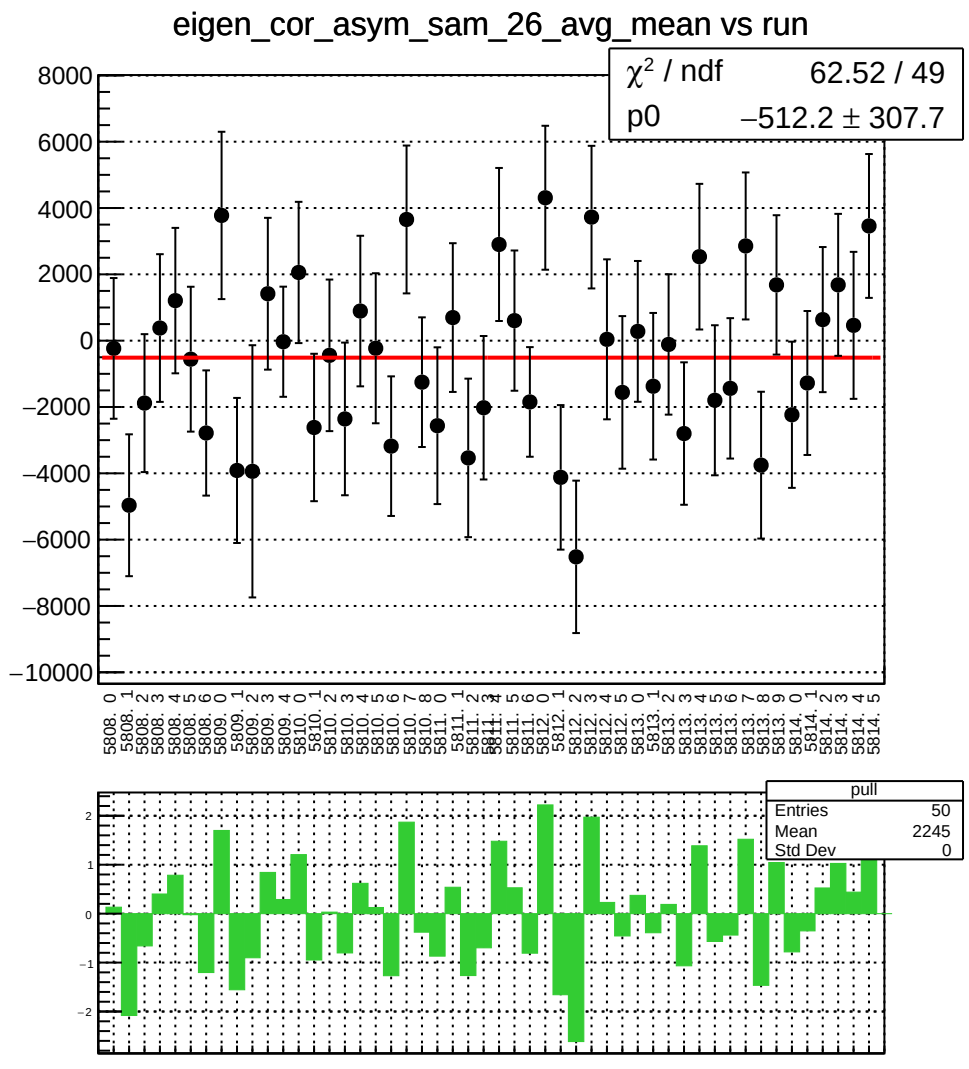

pull1D
Entries 50
Mean 0.001142
Std Dev 1.118

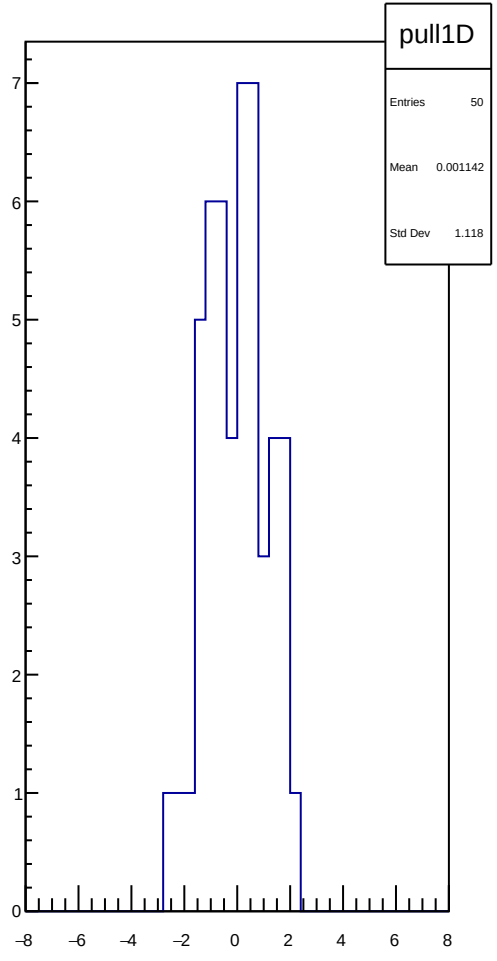

cor_asym_sam_26_avg_rms vs run
χ² / ndf 4447 / 49
p0 211.8 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

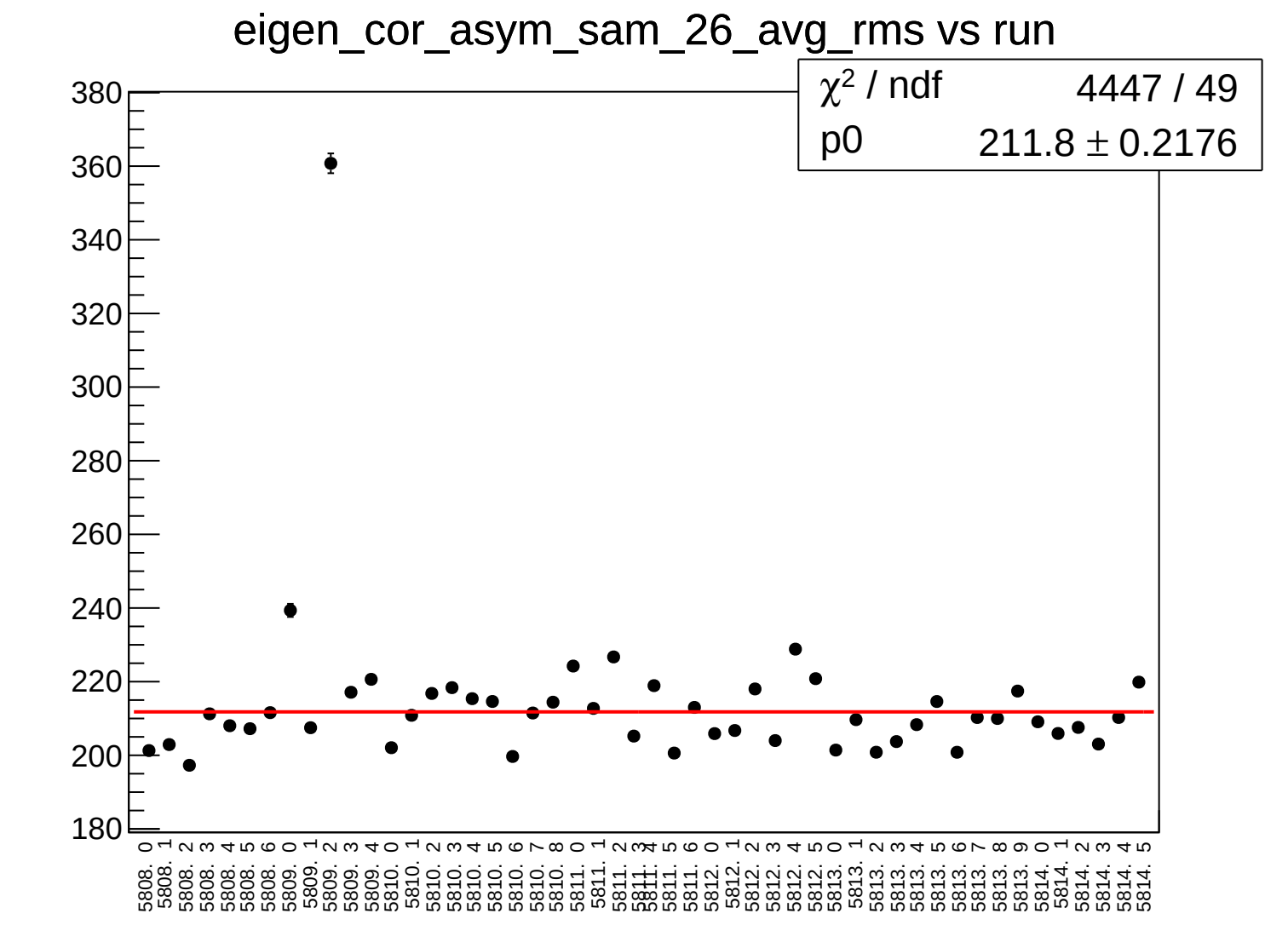

asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ² / ndf 42.95 / 49
p0 −5513 ± 3520
pull
Entries 50
Mean 843.8
Std Dev 0

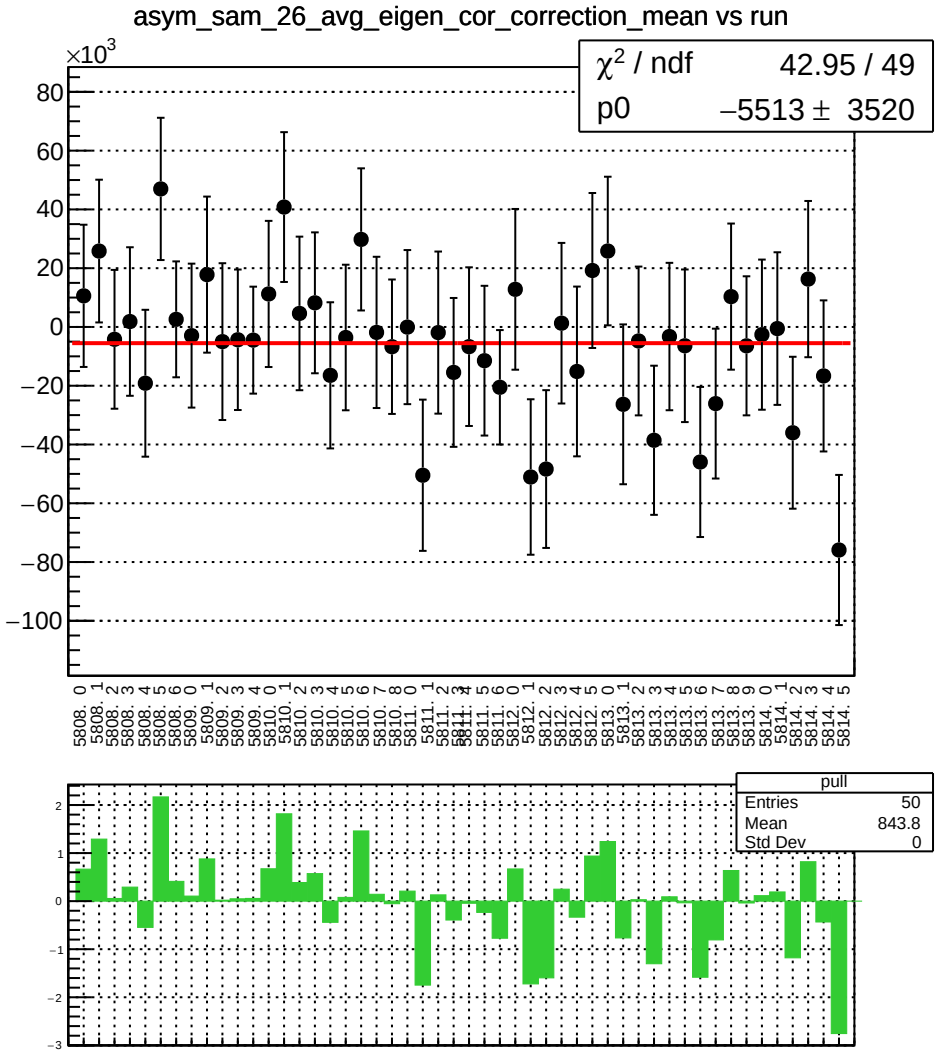

pull1D
Entries 50
Mean −0.006833
Std Dev 0.9268

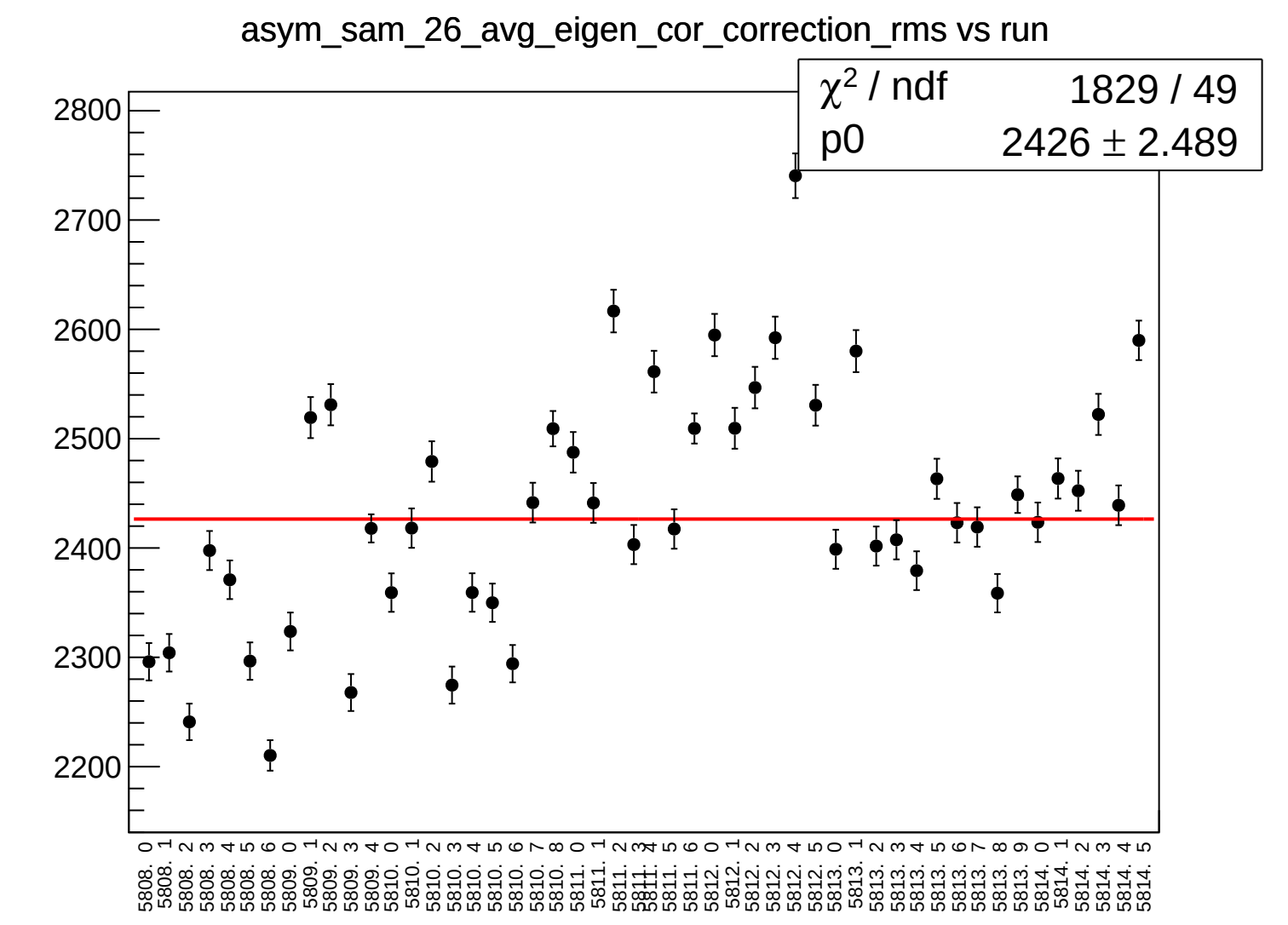

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 1829 / 49
p0 2426 ± 2.489
2800
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 62.52 / 49
p0 −512.2 ± 307.7
pull
Entries 50
Mean 2245
Std Dev 0


pull1D
Entries 50
Mean 0.001142
Std Dev 1.118


eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 4447 / 49
p0 211.8 ± 0.2176
380
360
340
320
300
280
260
240
220
200
180
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42.95 / 49
p0 −5513 ± 3520
pull
Entries 50
Mean 843.8
Std Dev 0
pull1D
Entries 50
Mean −0.006833
Std Dev 0.9268


asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 1829 / 49
p0 2426 ± 2.489
2800
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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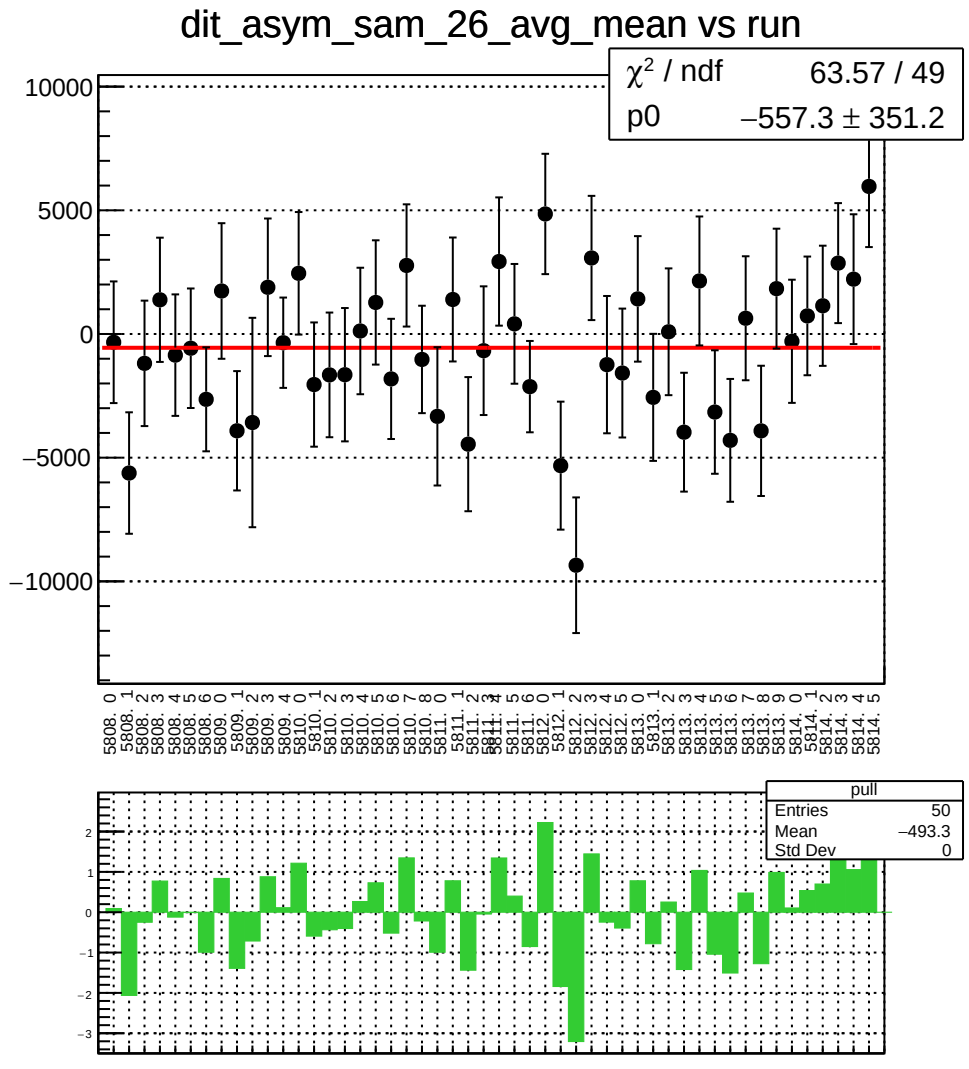
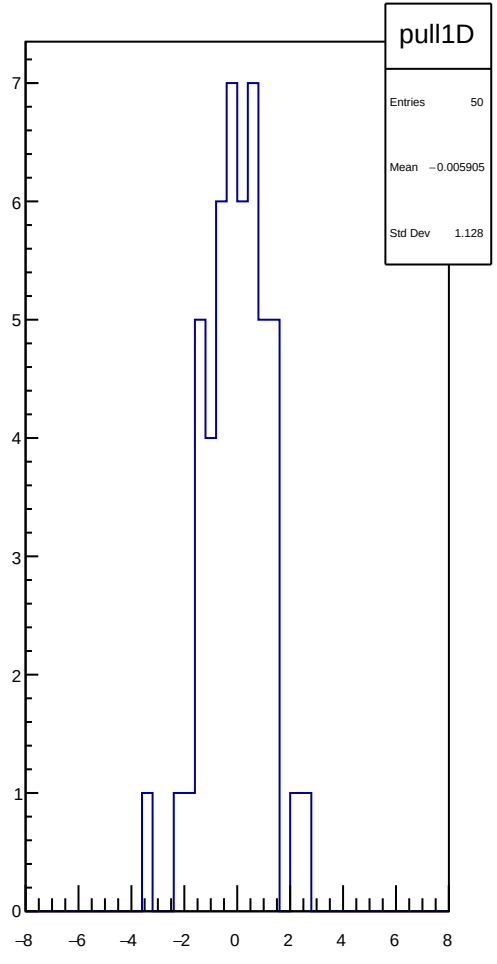
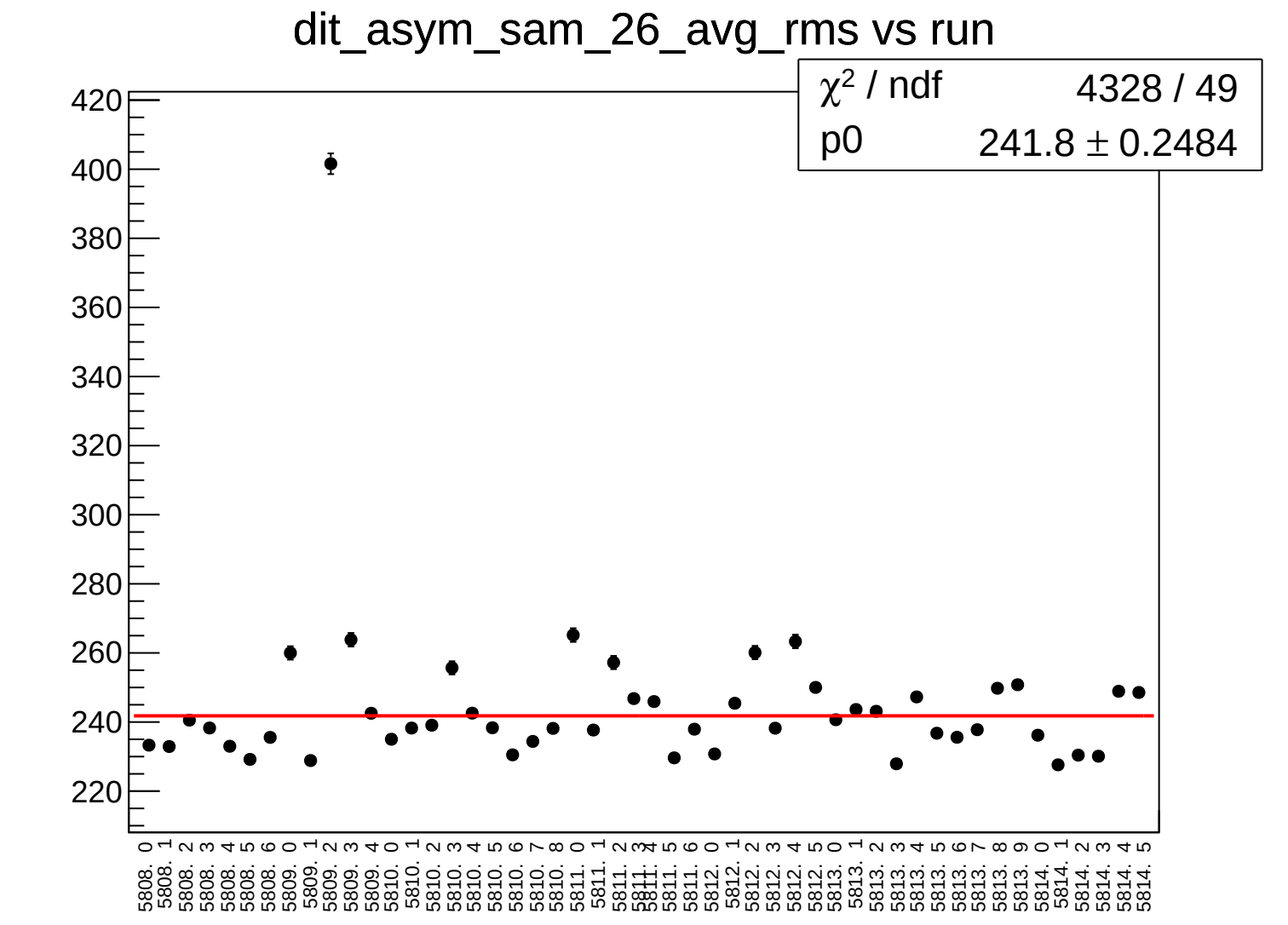
5814. 4
5814. 5


dit_asym_sam_26_avg_mean vs run
χ² / ndf 63.57 / 49
p0 −557.3 ± 351.2
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −493.3
Std Dev 0


pull1D
Entries 50
Mean −0.005905
Std Dev 1.128


dit_asym_sam_26_avg_rms vs run
χ² / ndf 4328 / 49
p0 241.8 ± 0.2484
420
400
380
360
340
320
300
280
260
240
220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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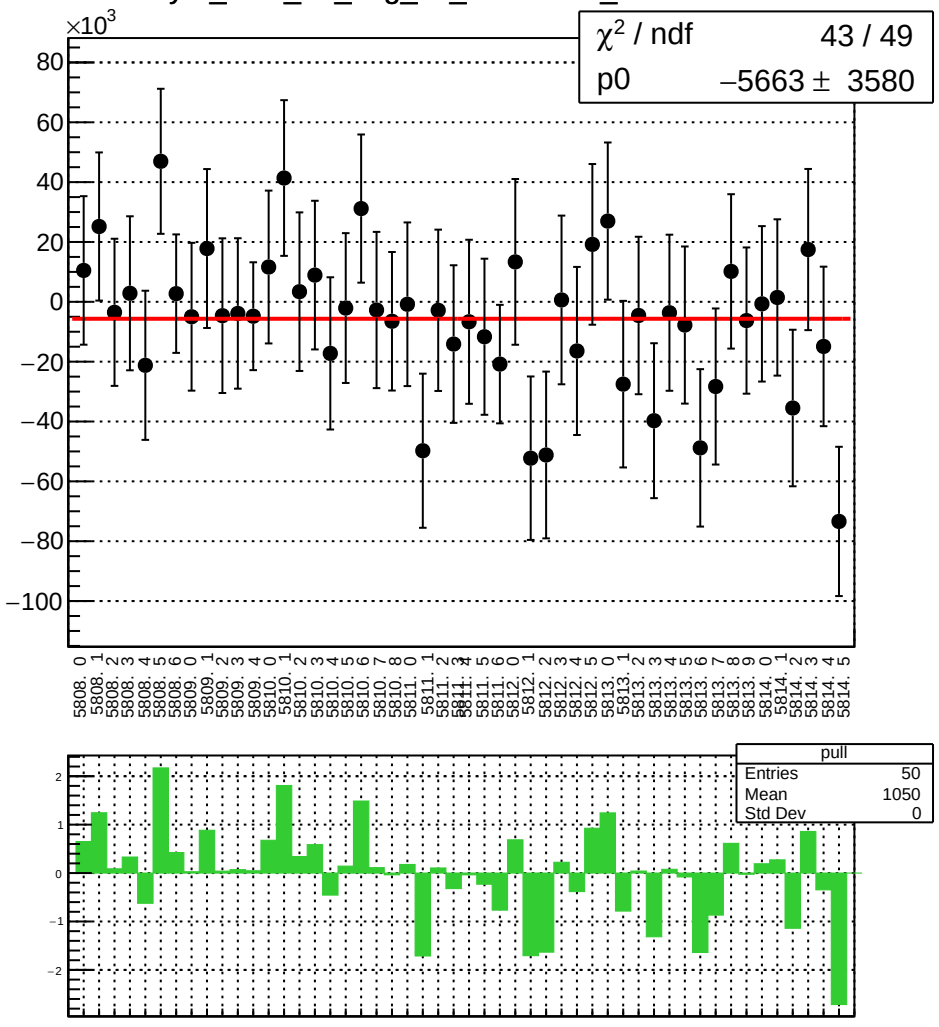
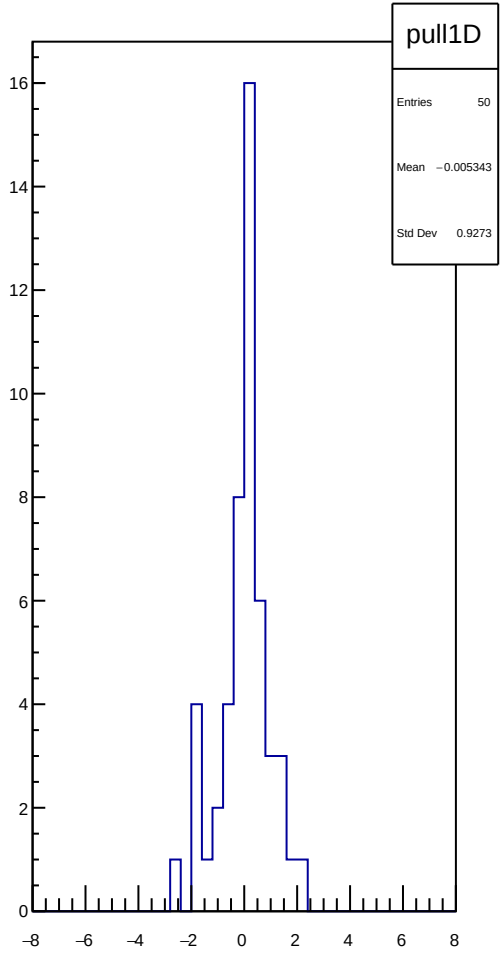
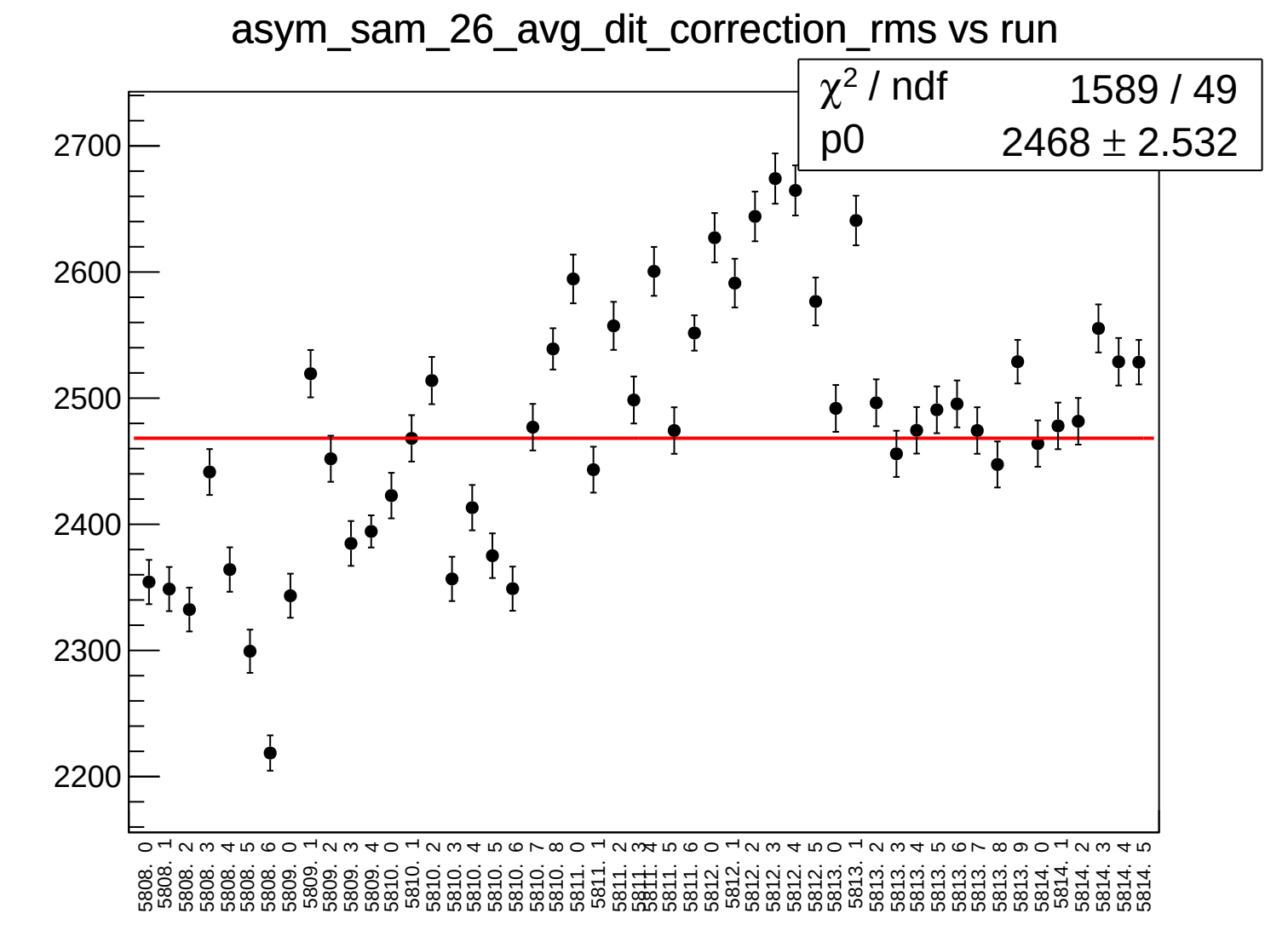
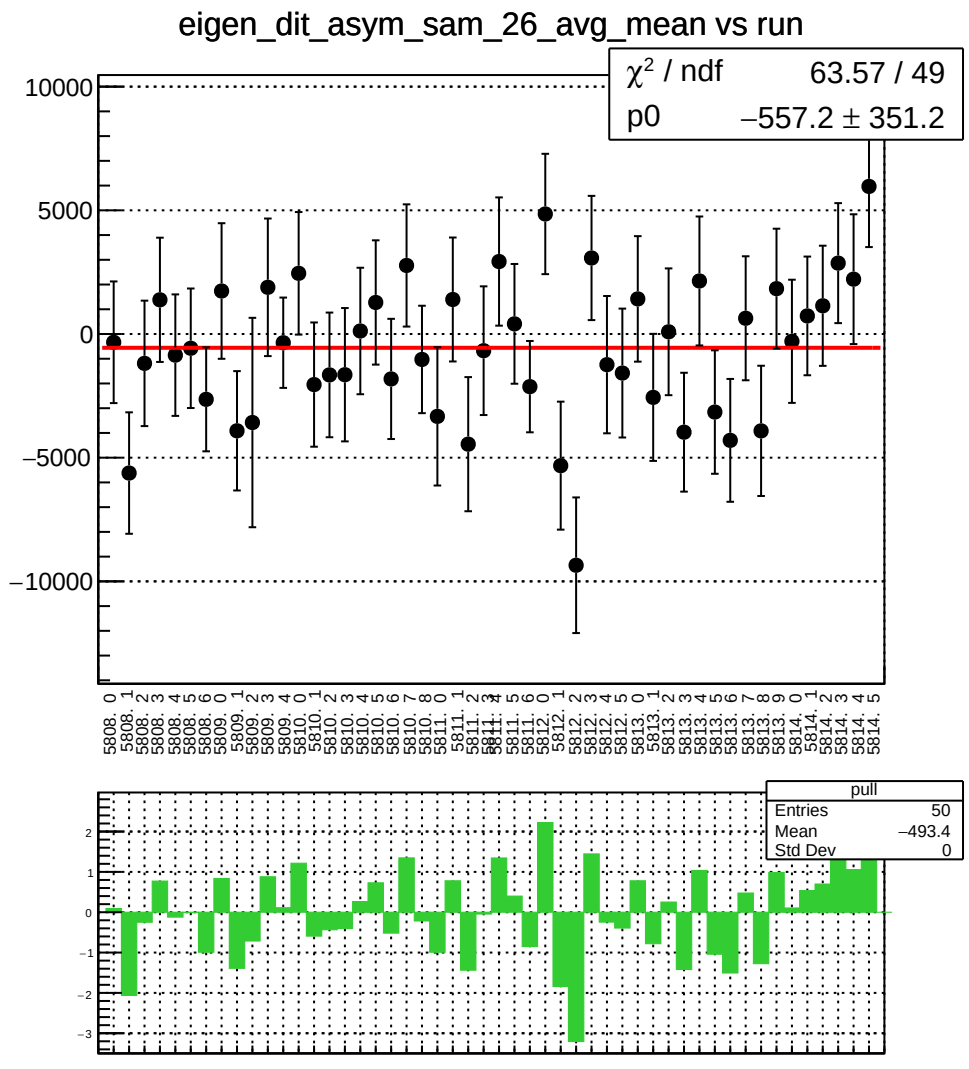
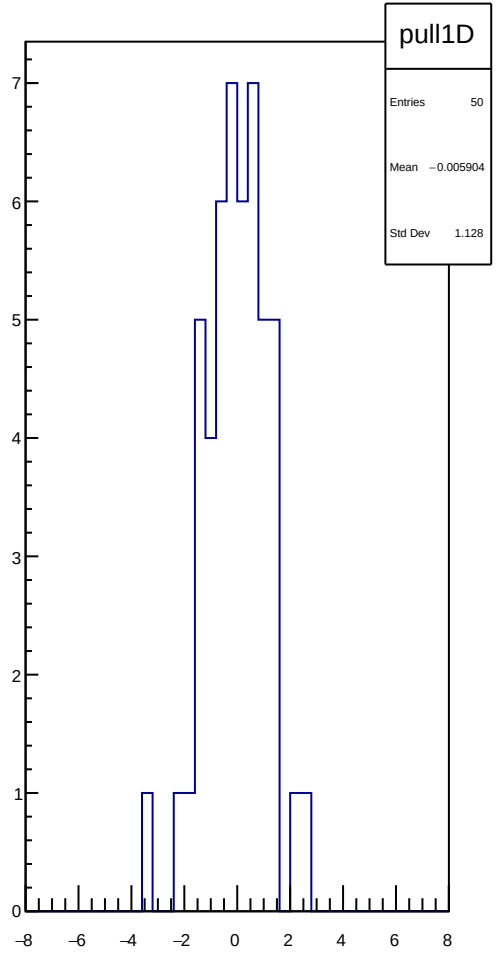
5814. 2
5814. 3
5814. 4
5814. 5

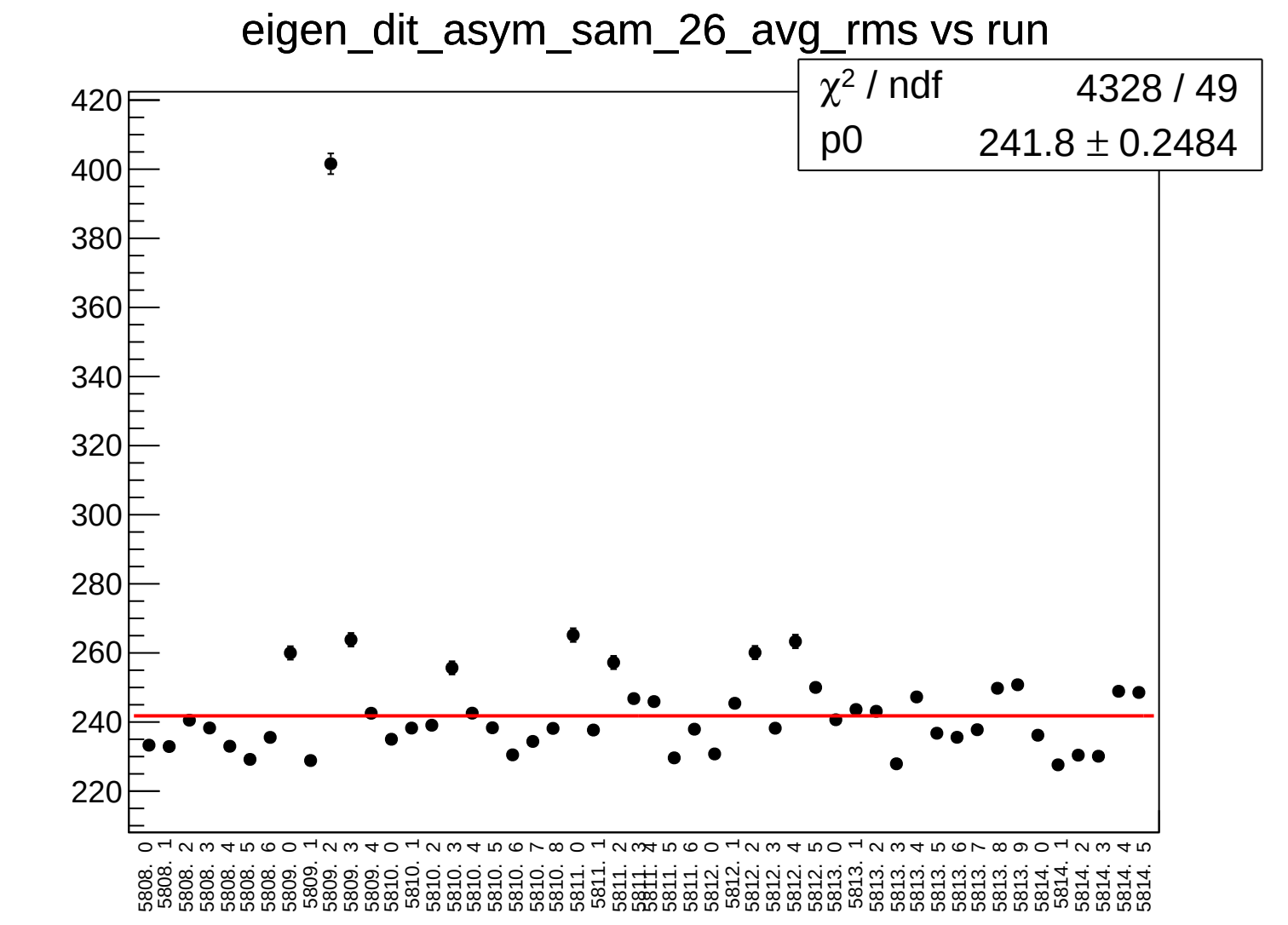

asym_sam_26_avg_dit_correction_mean vs run
×10^3
χ² / ndf 43 / 49
p0 −5663 ± 3580
pull
Entries 50
Mean 1050
Std Dev 0

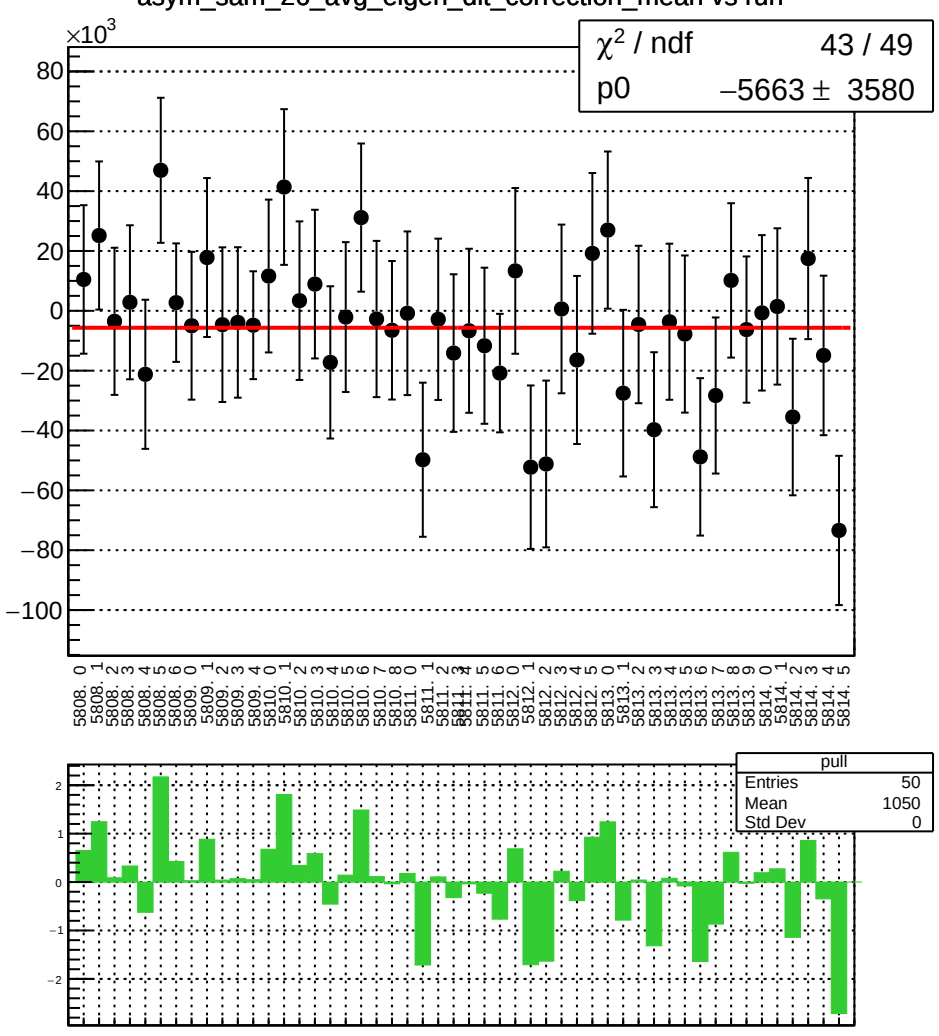

pull1D
Entries 50
Mean −0.005343
Std Dev 0.9273

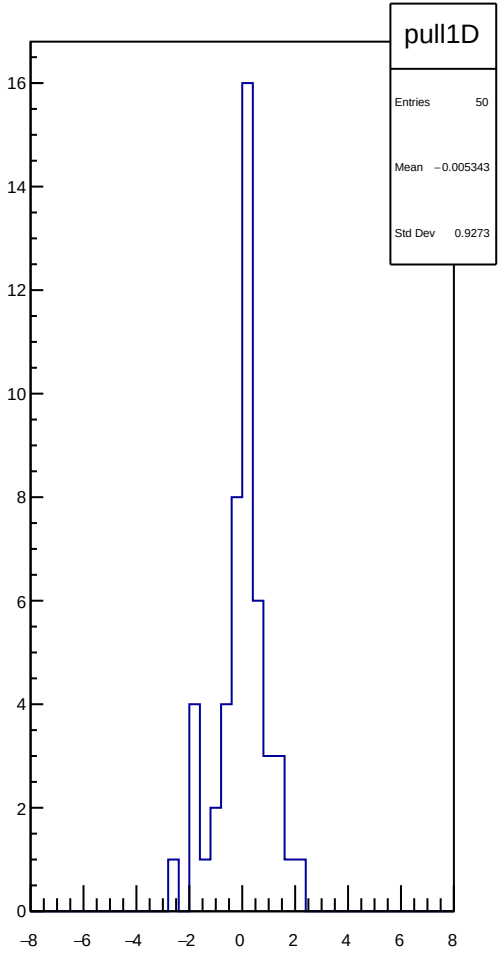

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 1589 / 49
p0 2468 ± 2.532
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

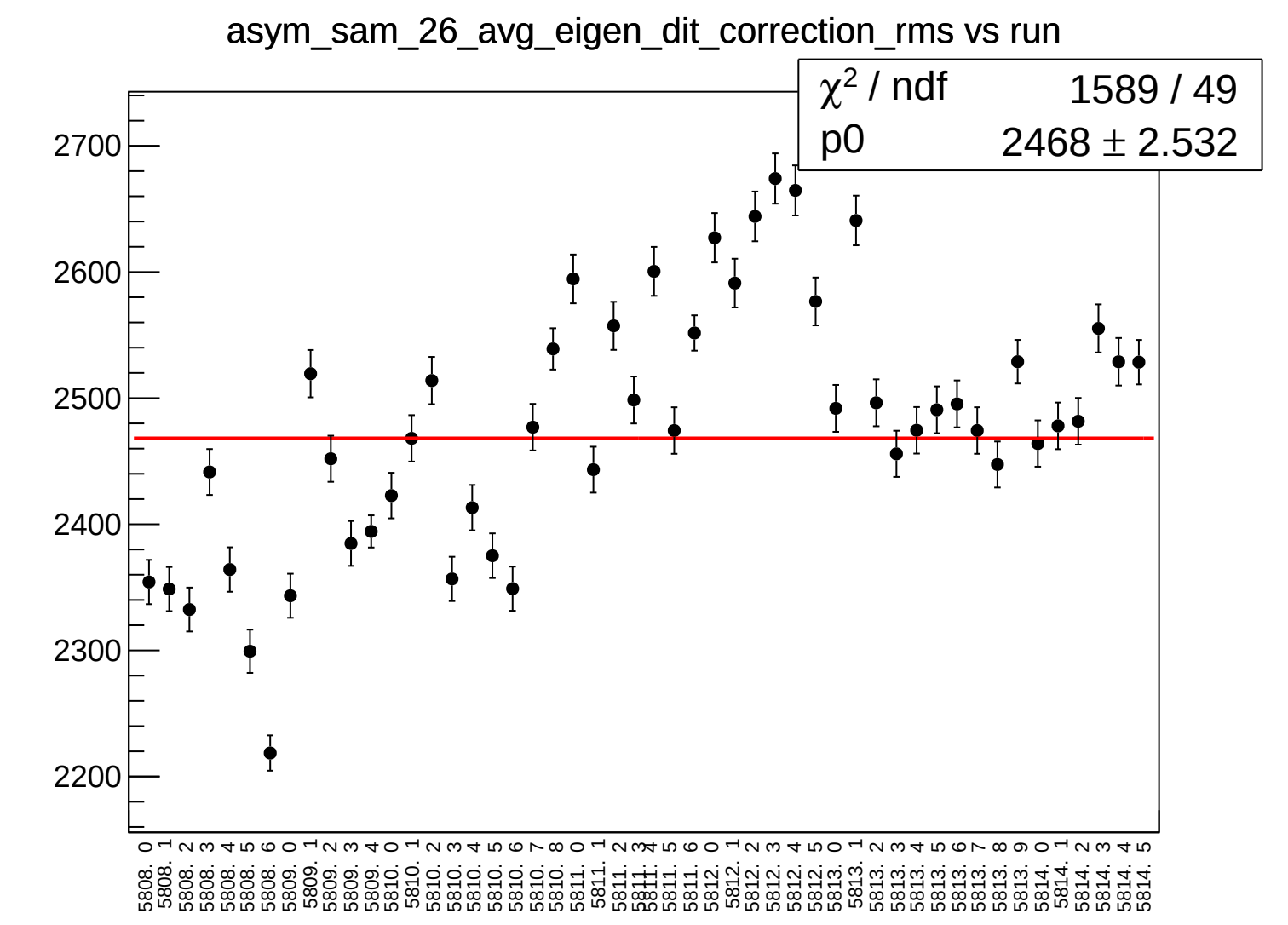

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 63.57 / 49
p0 −557.2 ± 351.2
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −493.4
Std Dev 0

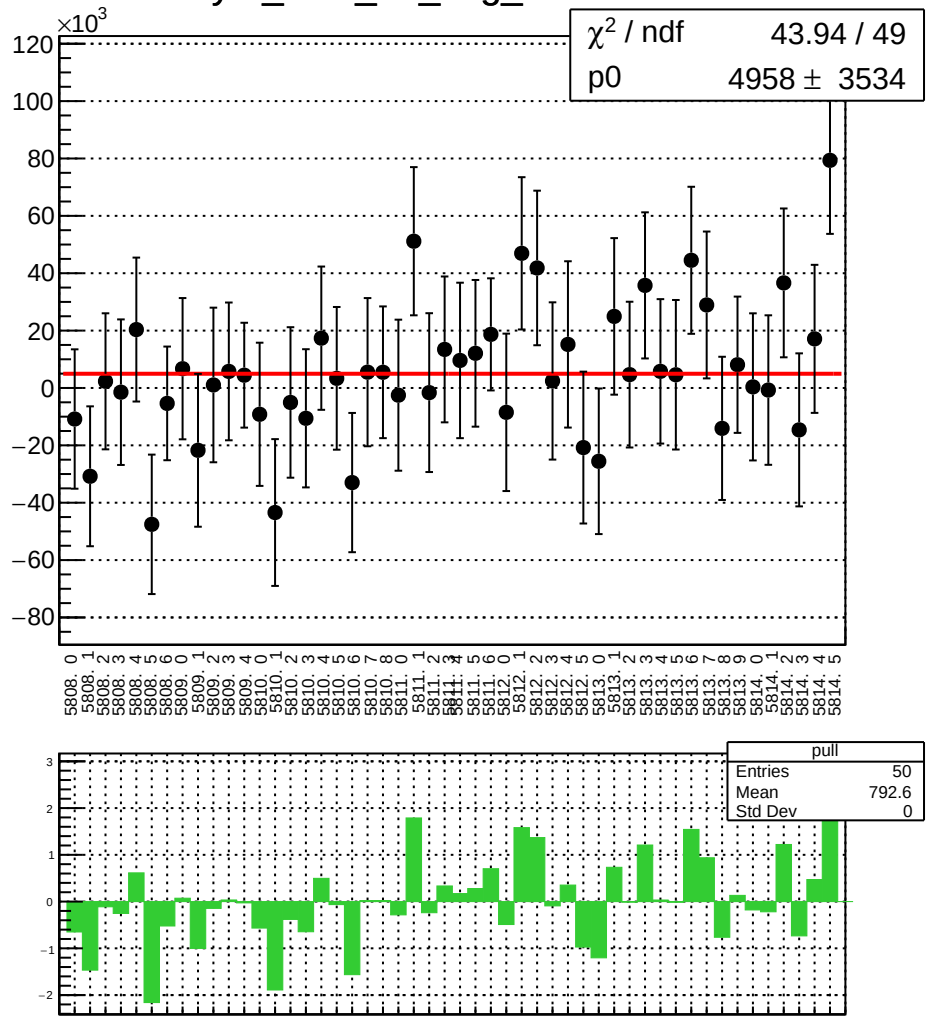

pull1D
Entries 50
Mean −0.005904
Std Dev 1.128

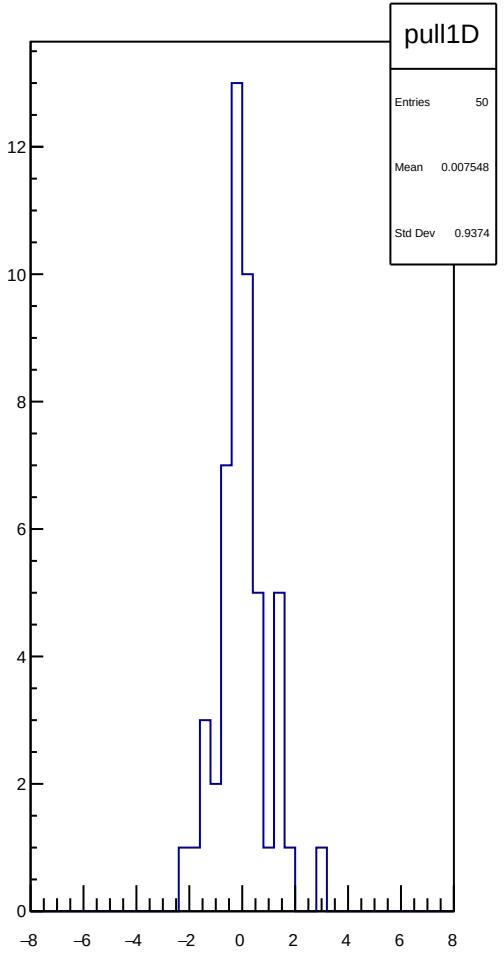

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 4328 / 49
p0 241.8 ± 0.2484
420
400
380
360
340
320
300
280
260
240
220
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

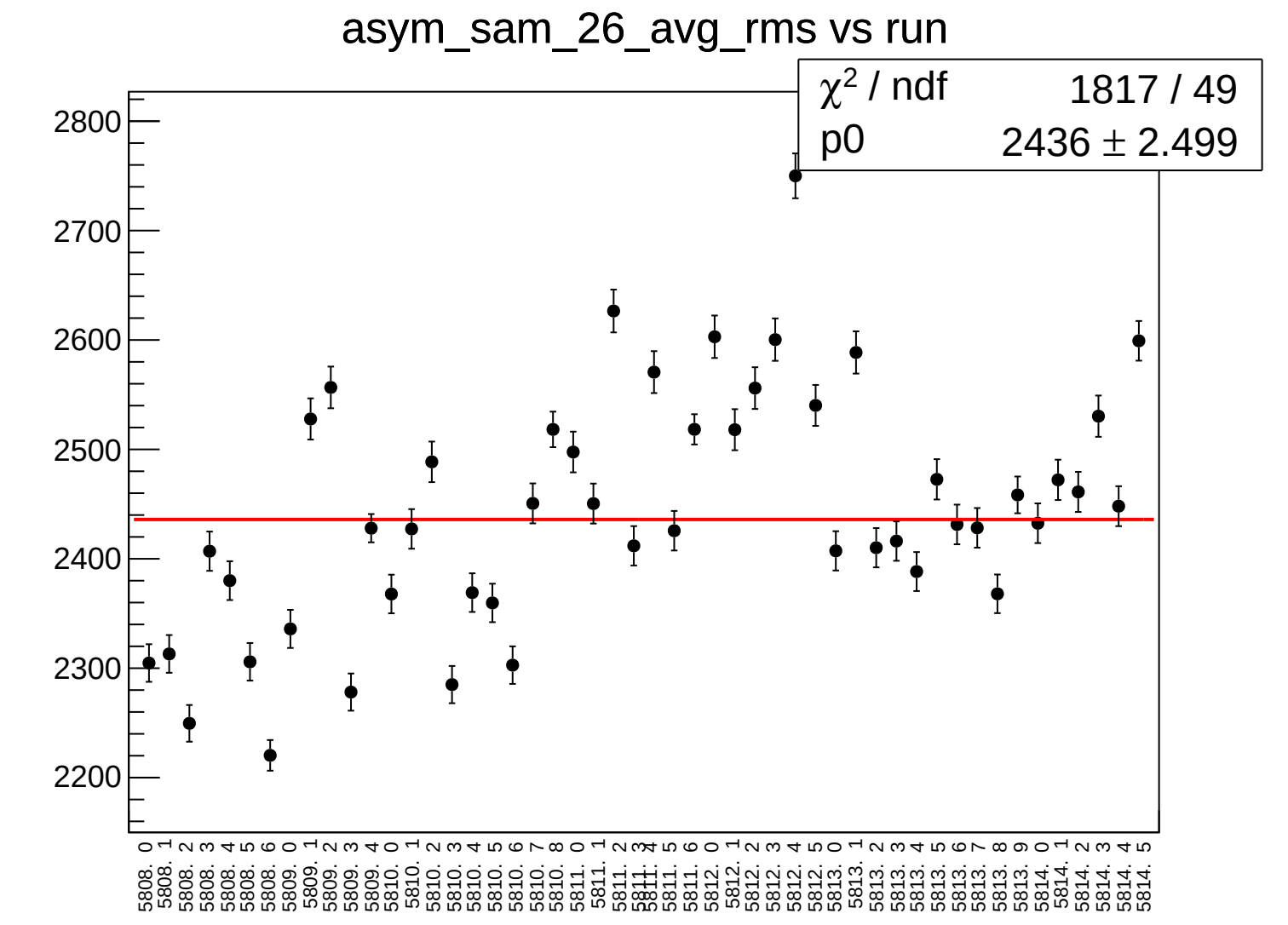

asym_sam_26_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 43 / 49
p0 −5663 ± 3580
pull
Entries 50
Mean 1050
Std Dev 0

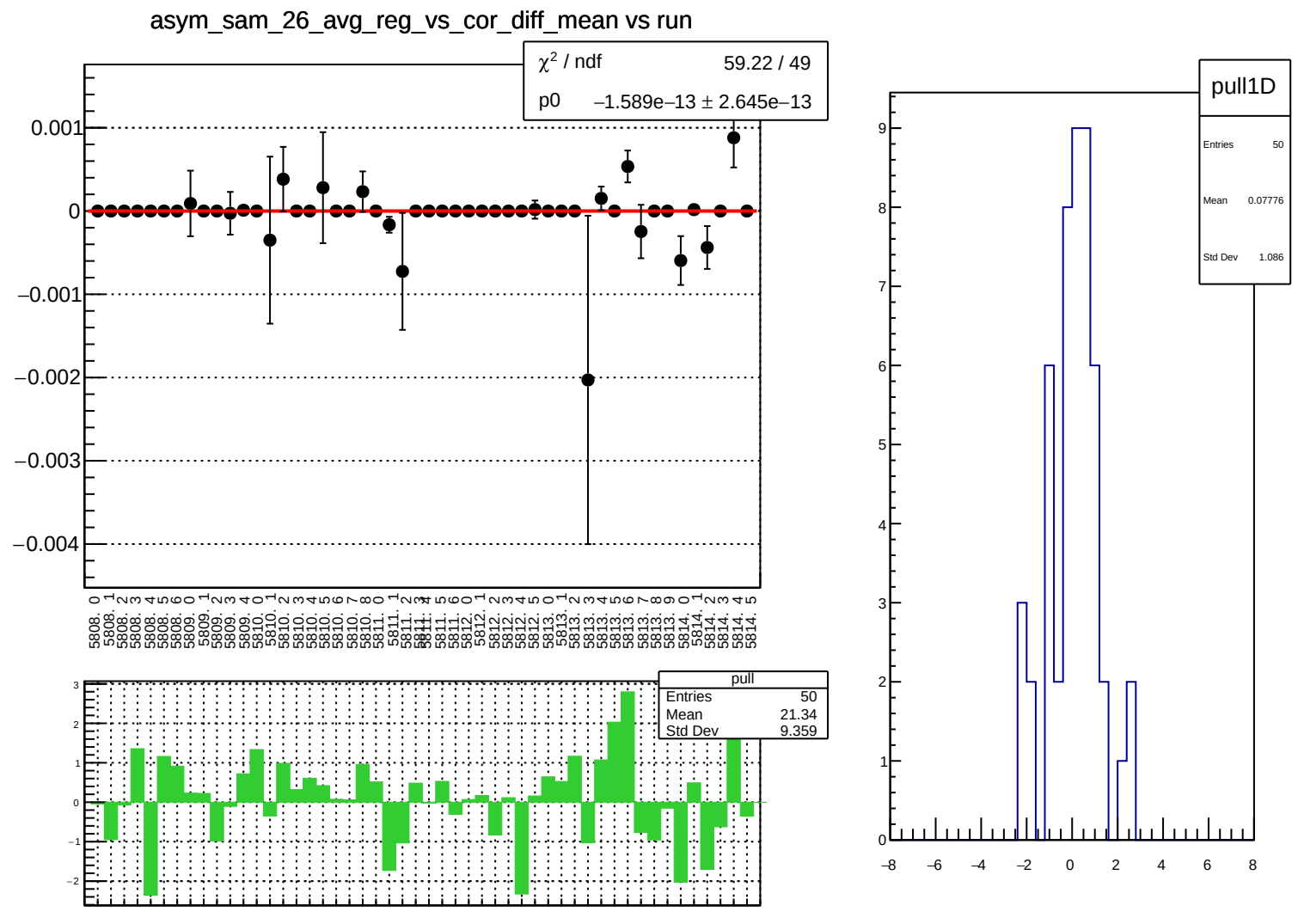

pull1D
Entries 50
Mean −0.005343
Std Dev 0.9273

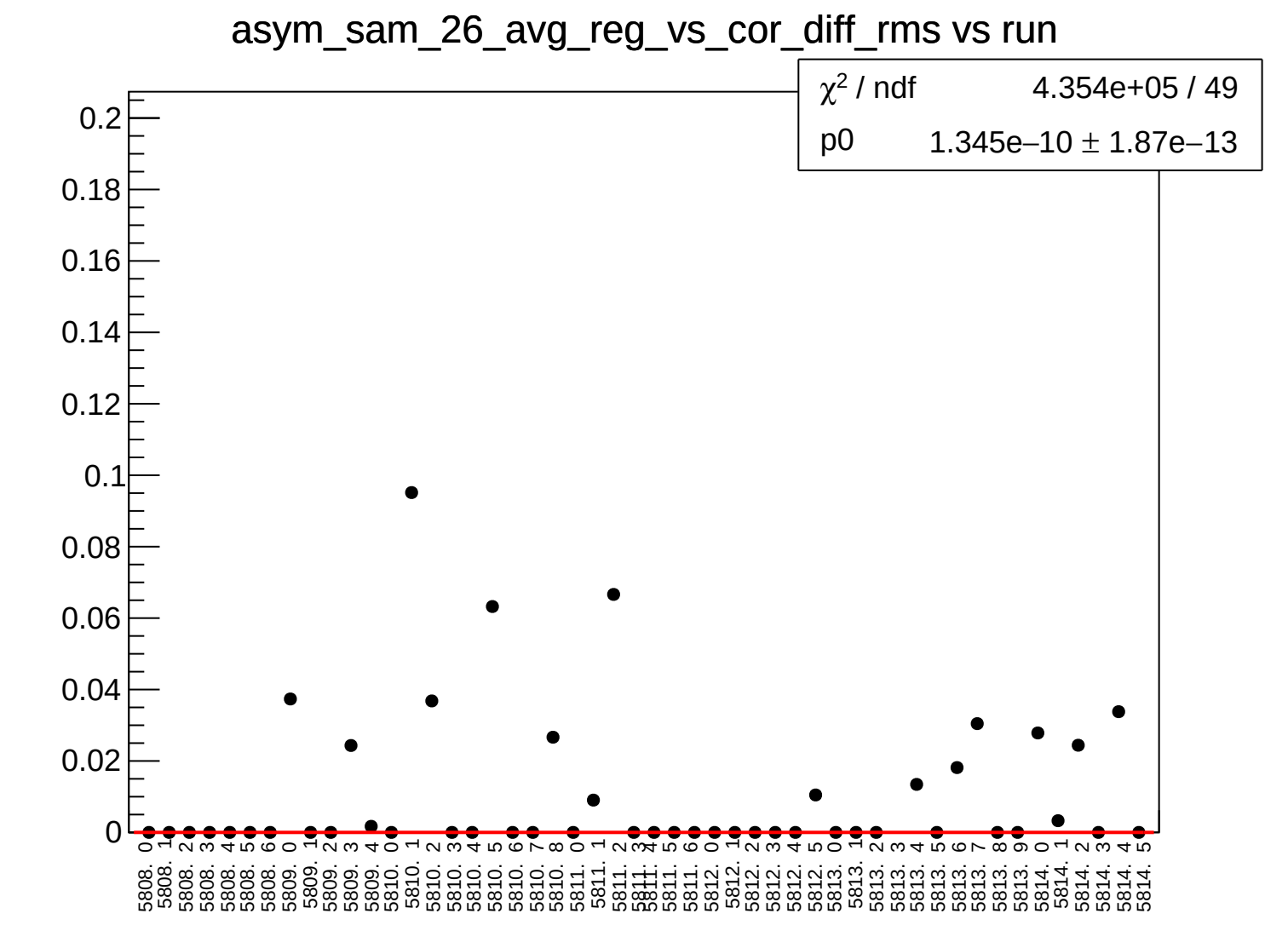

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 1589 / 49
p0 2468 ± 2.532
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

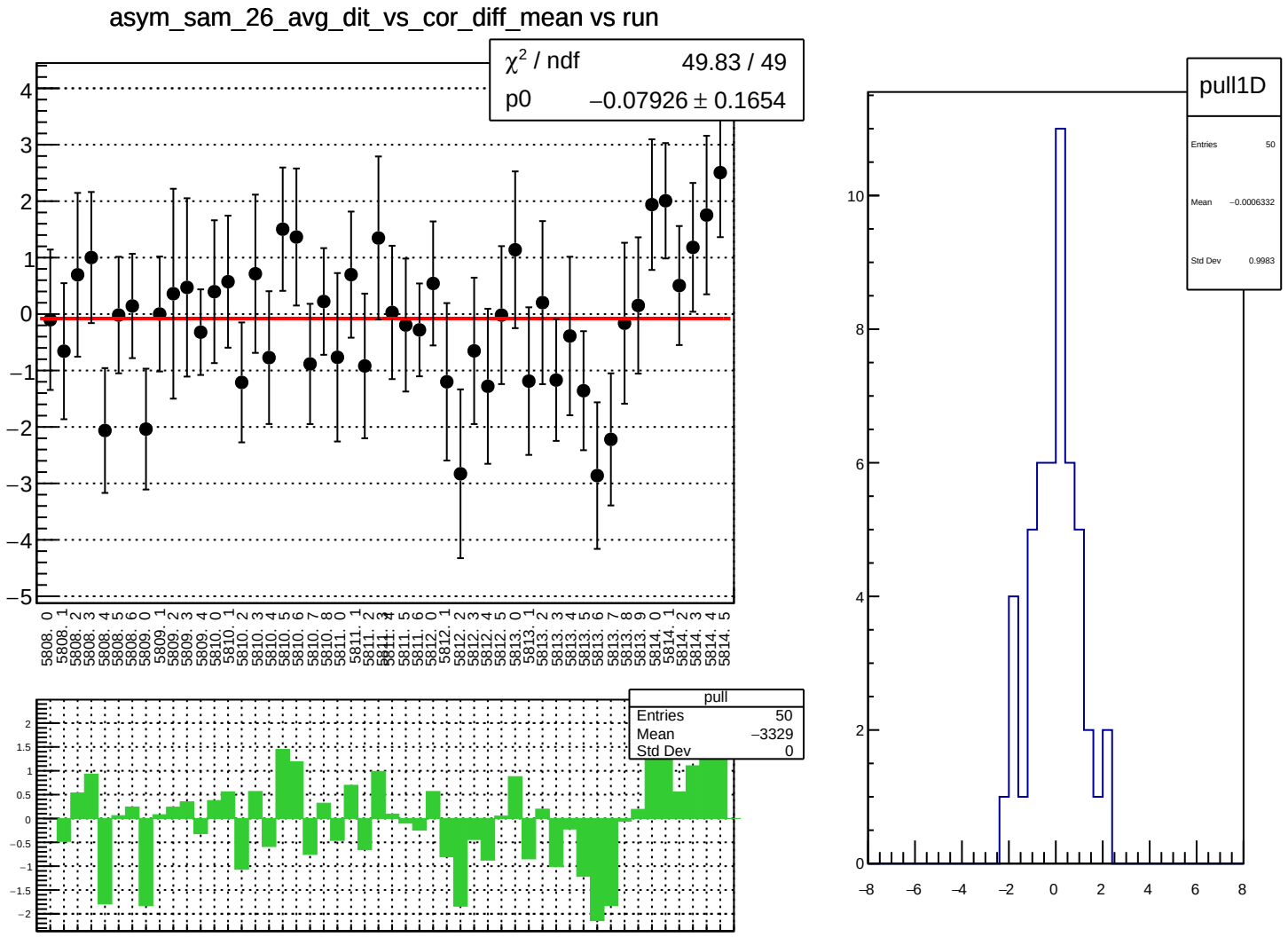

asym_sam_26_avg_mean vs run
×10^3
χ^2 / ndf 43.94 / 49
p0 4958 ± 3534
pull
Entries 50
Mean 792.6
Std Dev 0

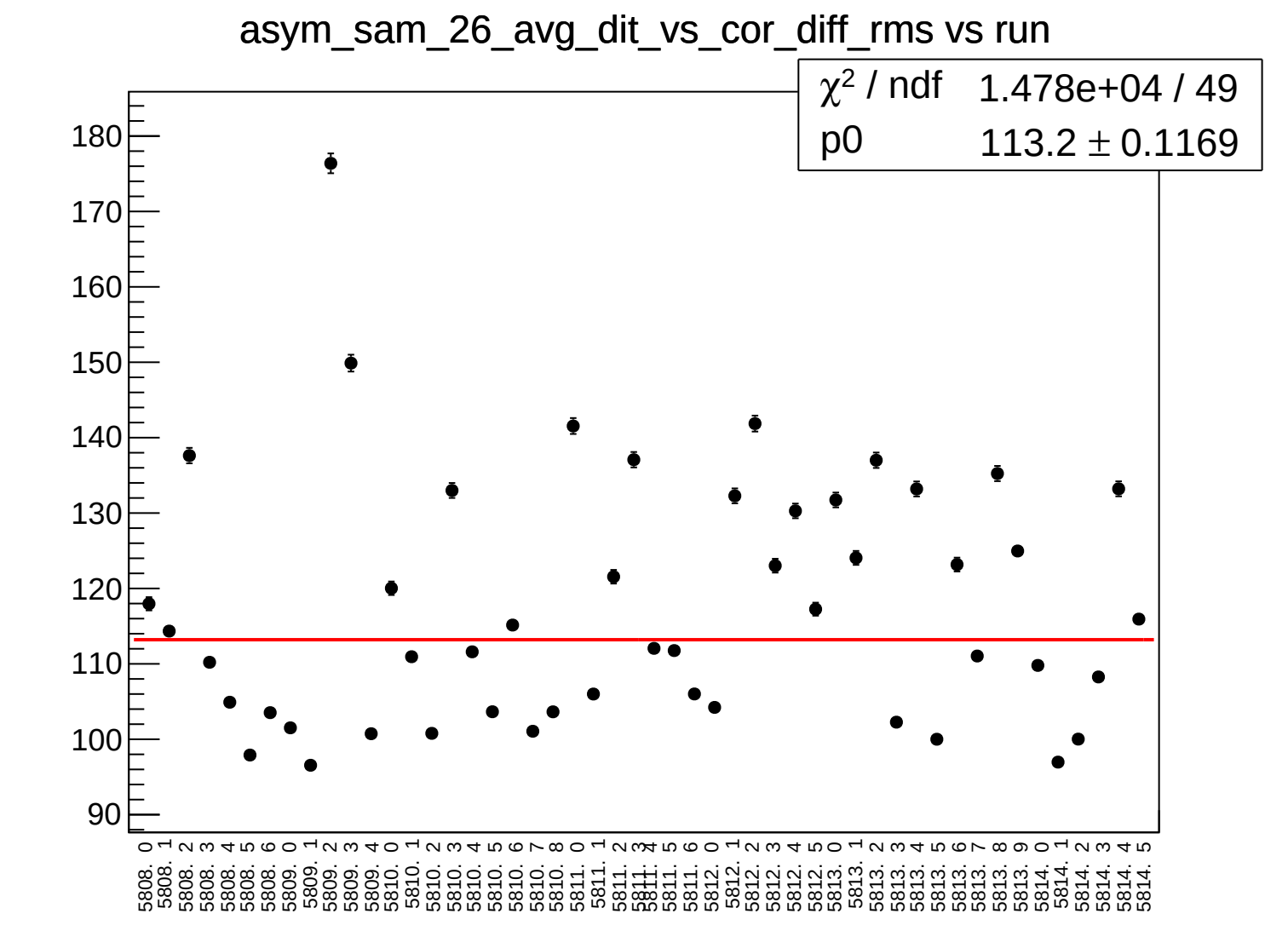

pull1D
Entries 50
Mean 0.007548
Std Dev 0.9374

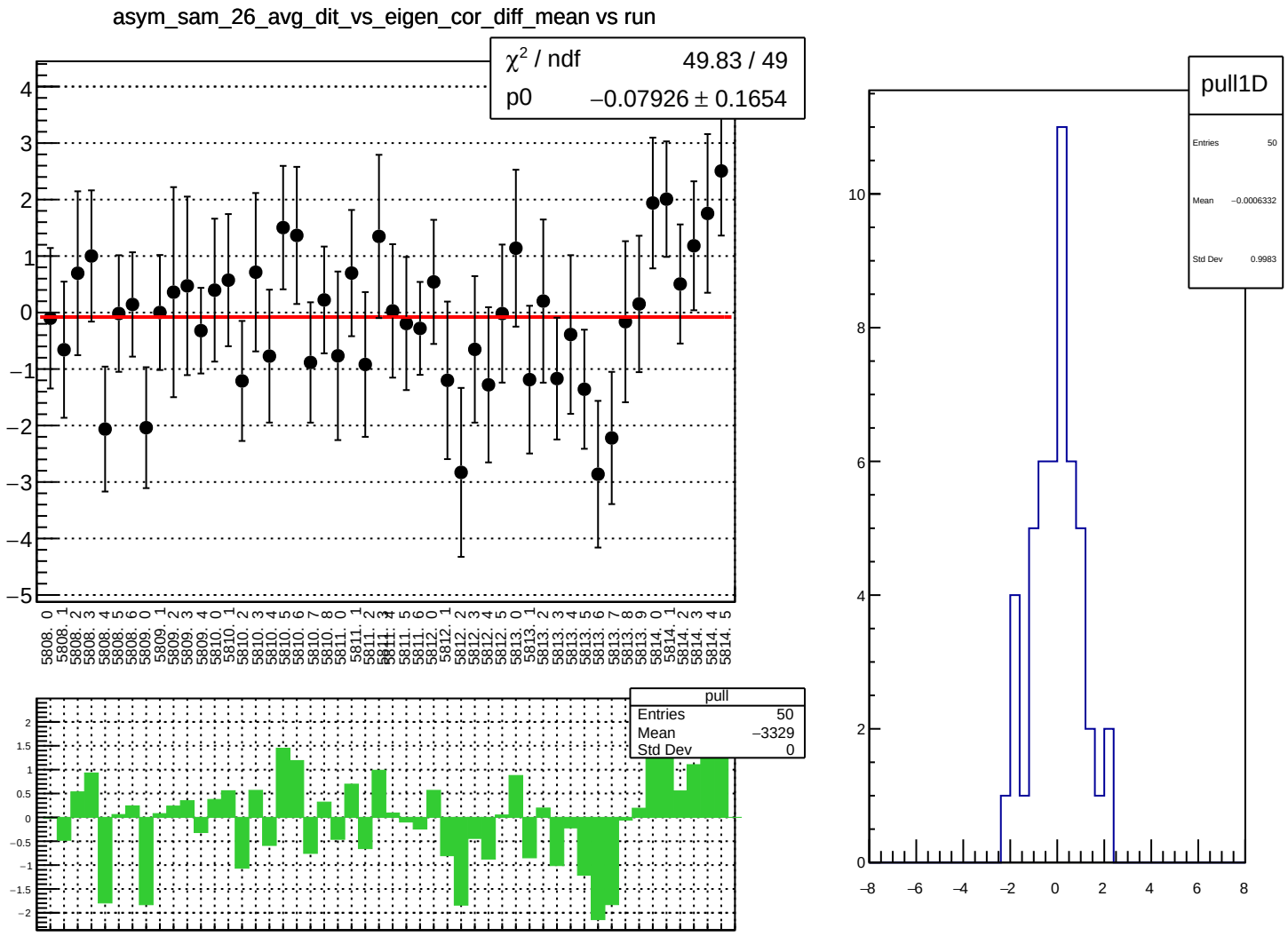

asym_sam_26_avg_rms vs run
χ² / ndf 1817 / 49
p0 2436 ± 2.499
2800
2700
2600
2500
2400
2300
2200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

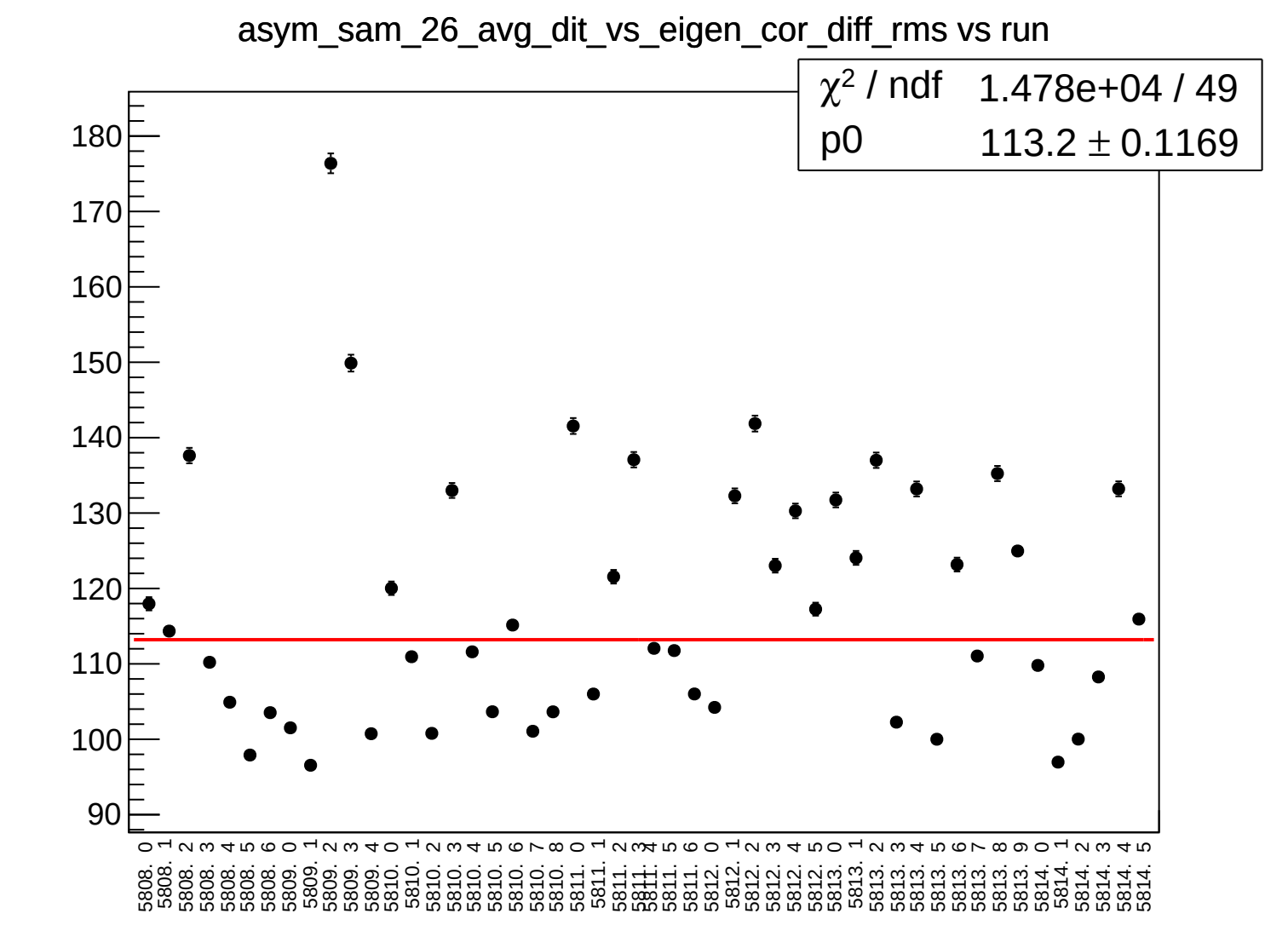

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.22 / 49
p0 −1.589e−13 ± 2.645e−13
0.001
0
−0.001
−0.002
−0.003
−0.004
pull
Entries 50
Mean 21.34
Std Dev 9.359
pull1D
Entries 50
Mean 0.07776
Std Dev 1.086


asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.354e+05 / 49
p0 1.345e−10 ± 1.87e−13
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.83 / 49
p0 −0.07926 ± 0.1654
pull
Entries 50
Mean −3329
Std Dev 0
pull1D
Entries 50
Mean −0.0006332
Std Dev 0.9983


asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.478e+04 / 49
p0 113.2 ± 0.1169
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.83 / 49
p0 −0.07926 ± 0.1654
pull
Entries 50
Mean −3329
Std Dev 0
pull1D
Entries 50
Mean −0.0006332
Std Dev 0.9983


asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.478e+04 / 49
p0 113.2 ± 0.1169
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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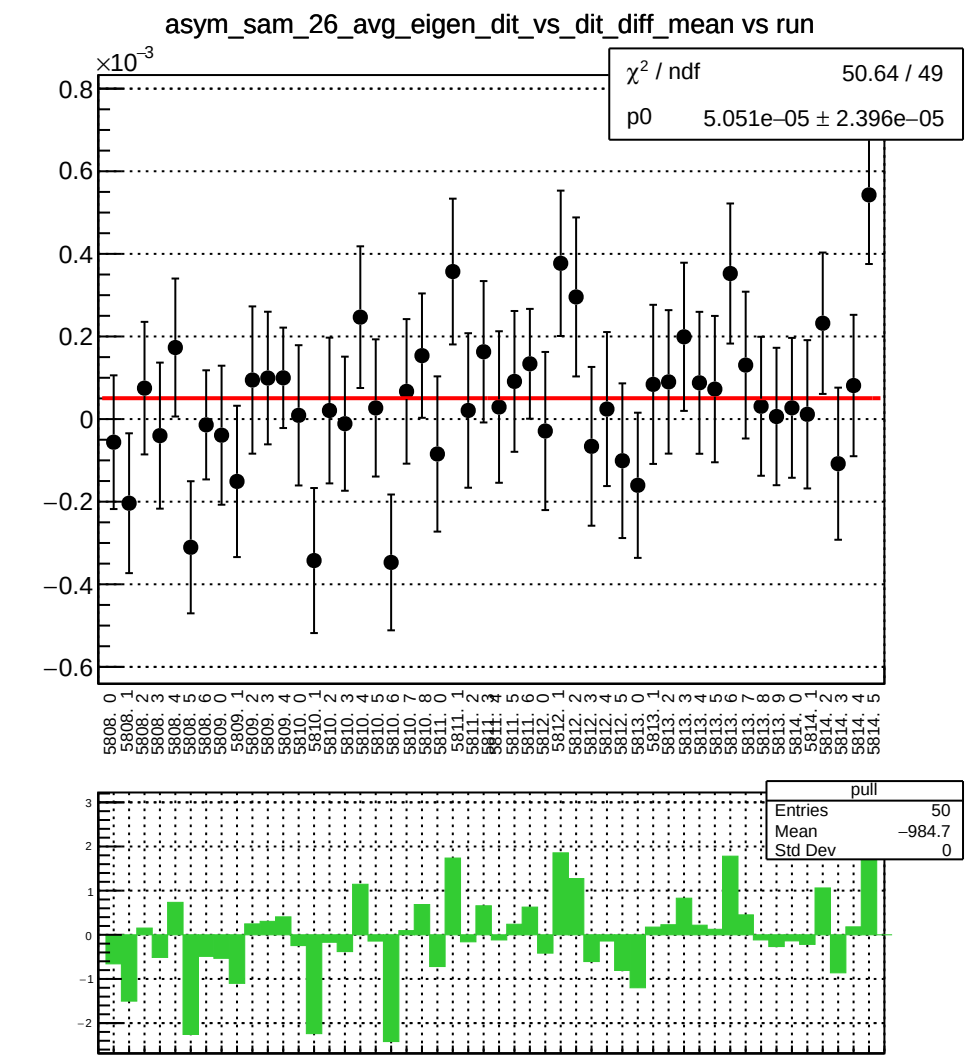
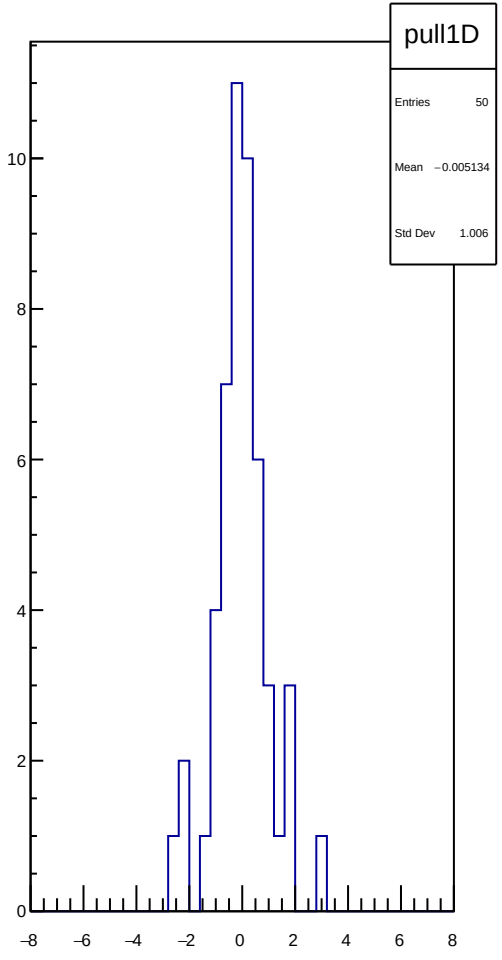
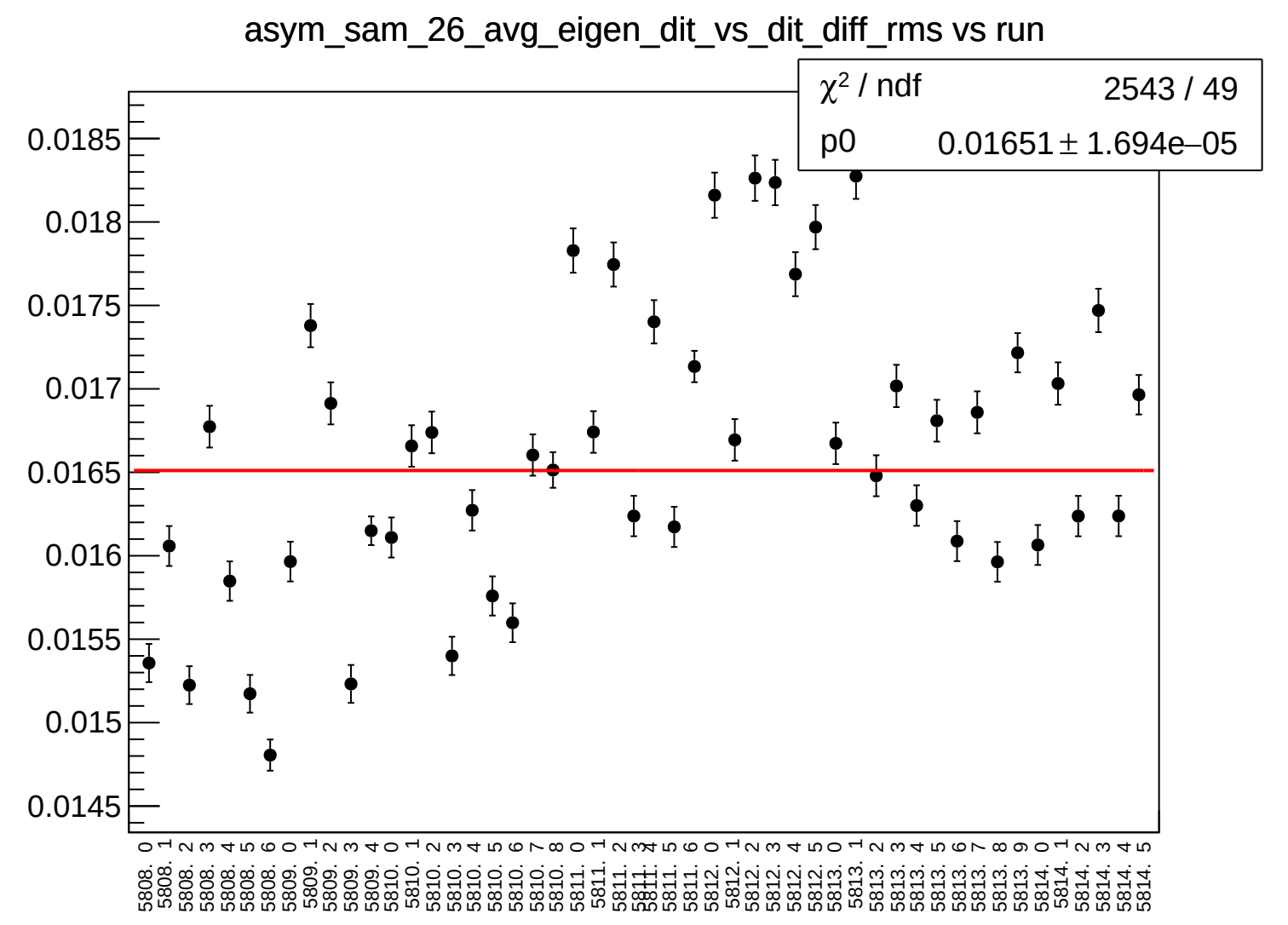
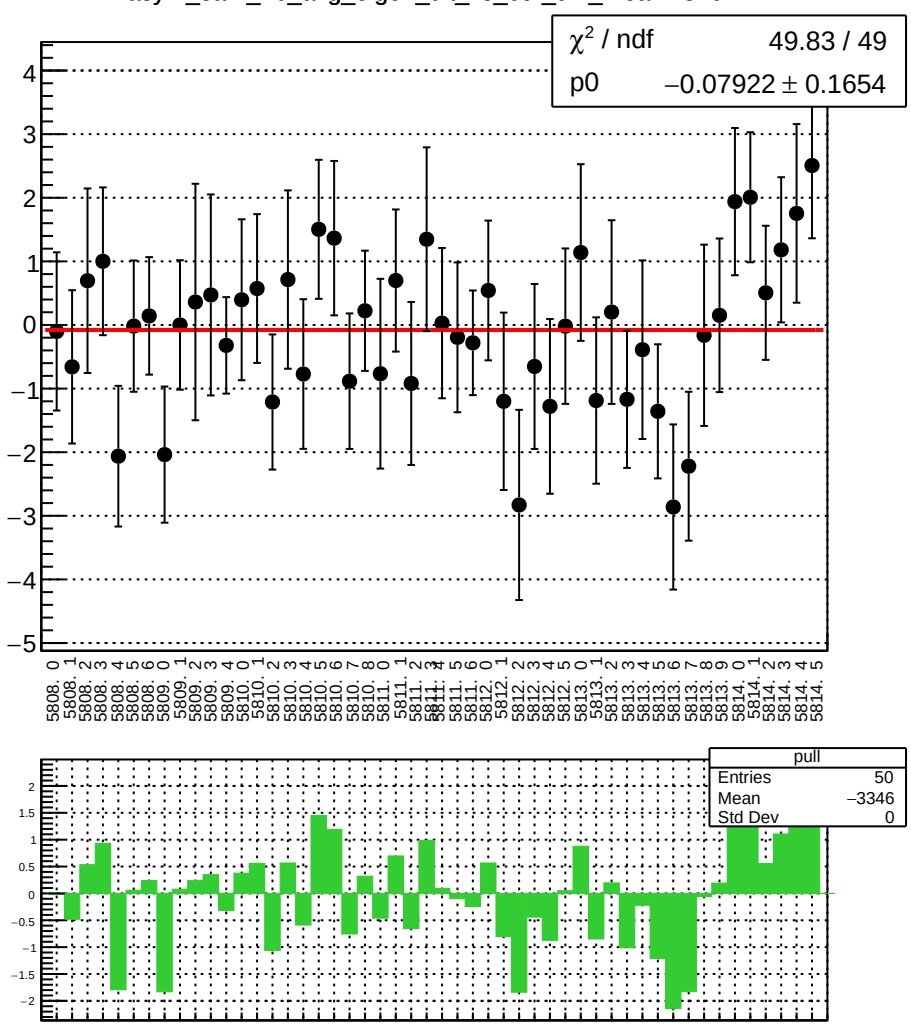
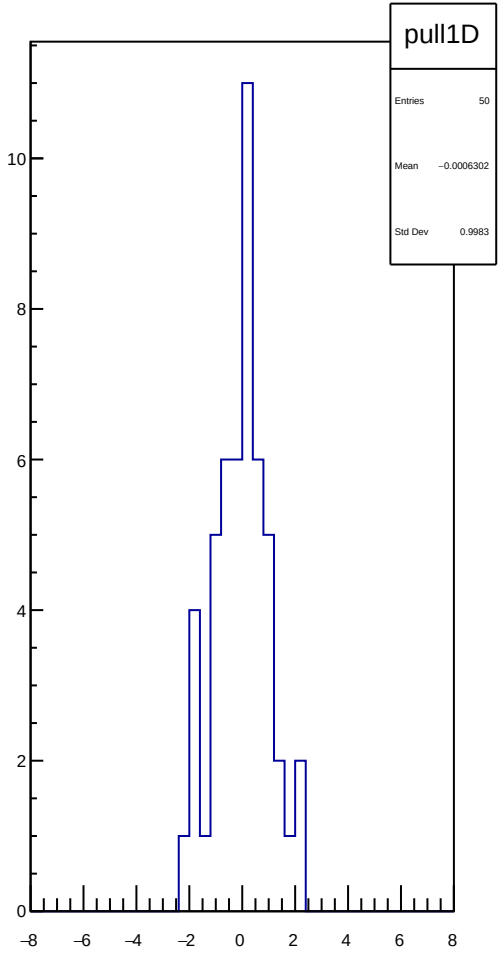
5814. 4
5814. 5

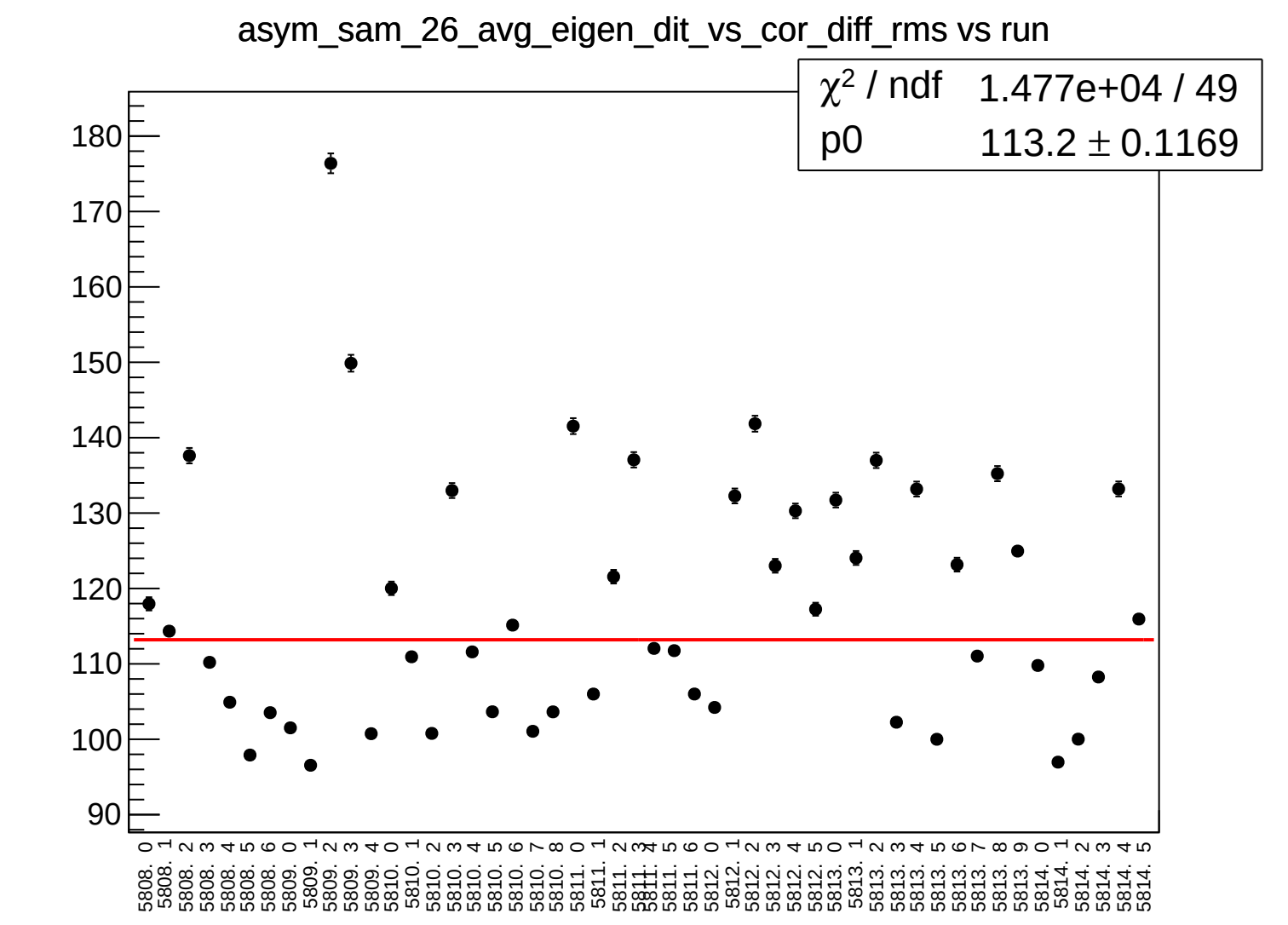

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.64 / 49
p0 5.051e−05 ± 2.396e−05
pull
Entries 50
Mean −984.7
Std Dev 0


pull1D
Entries 50
Mean −0.005134
Std Dev 1.006


asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2543 / 49
p0 0.01651 ± 1.694e−05
0.0185
0.018
0.0175
0.017
0.0165
0.016
0.0155
0.015
0.0145
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.83 / 49
p0 −0.07922 ± 0.1654
pull
Entries 50
Mean −3346
Std Dev 0


pull1D
Entries 50
Mean −0.0006302
Std Dev 0.9983


asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 49
p0 113.2 ± 0.1169
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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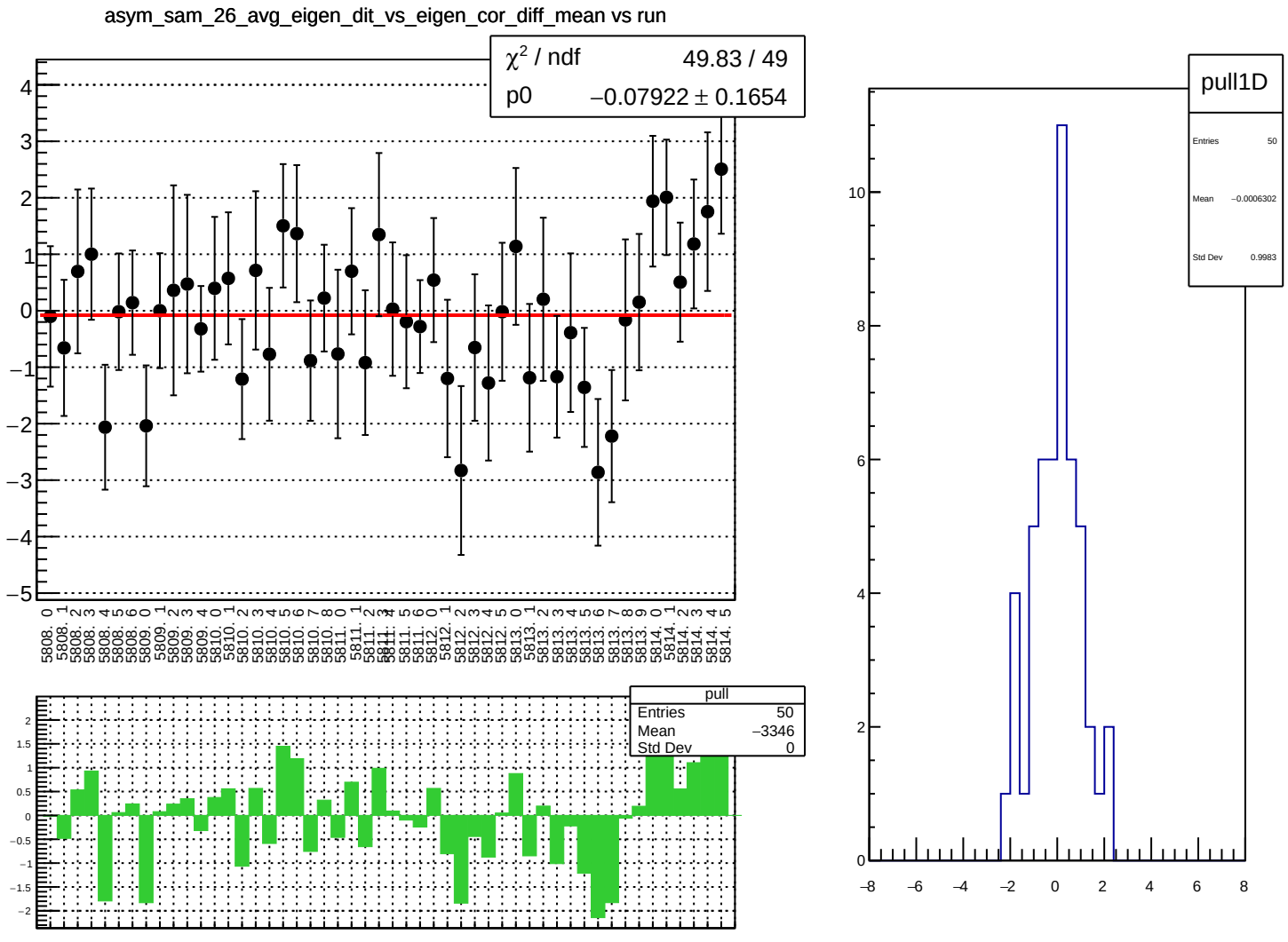
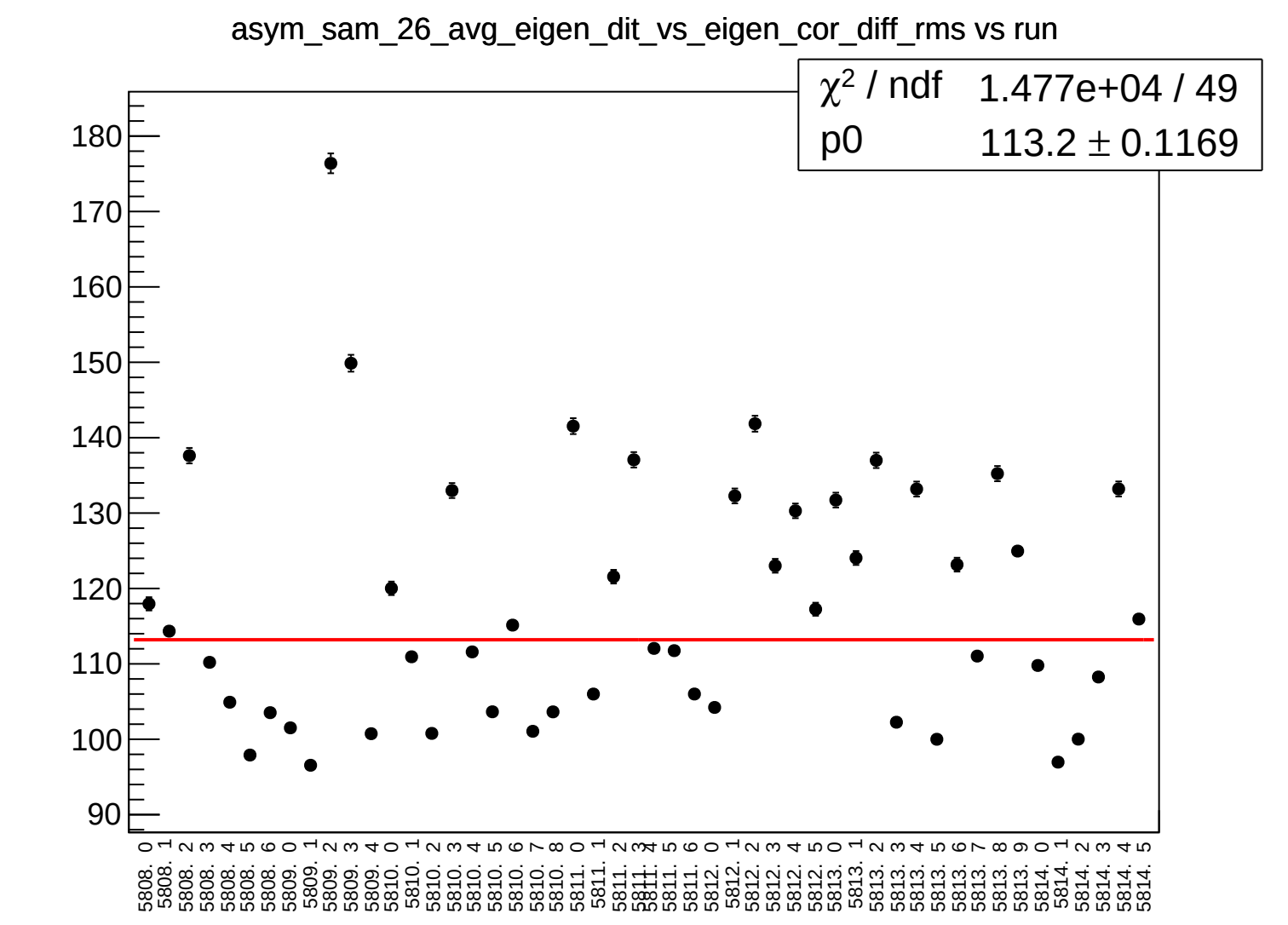
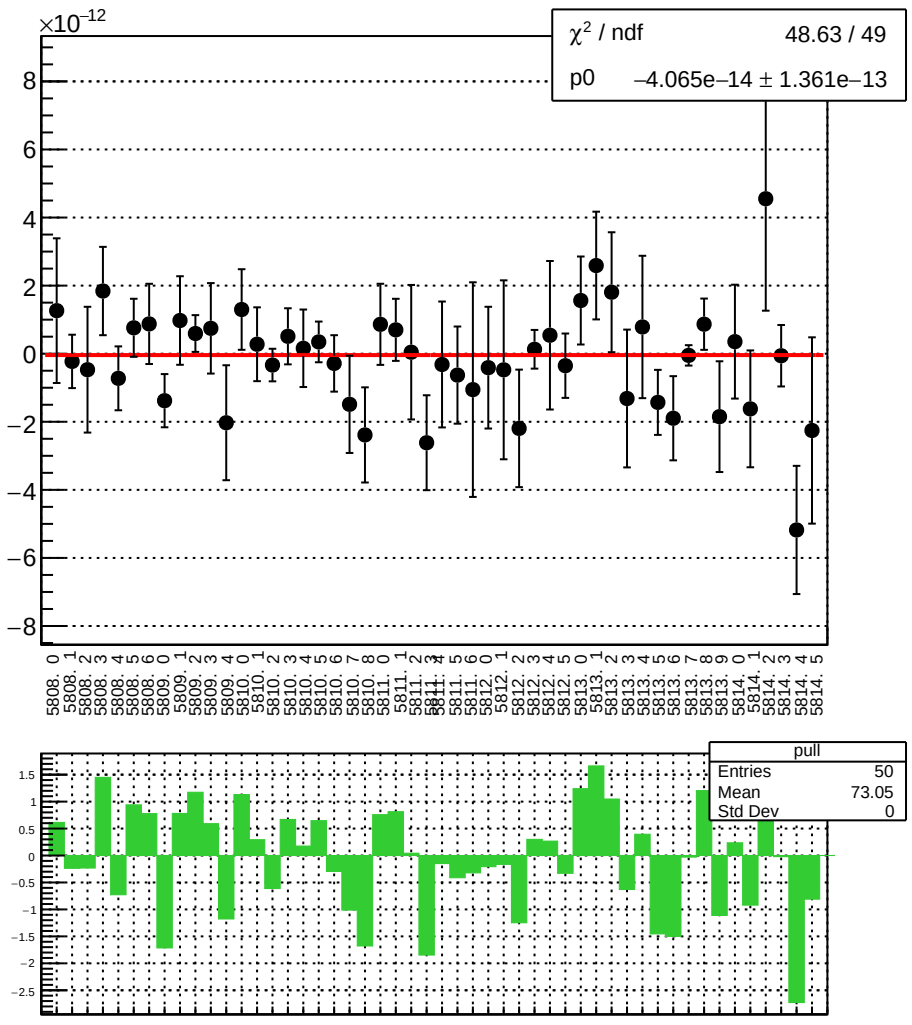
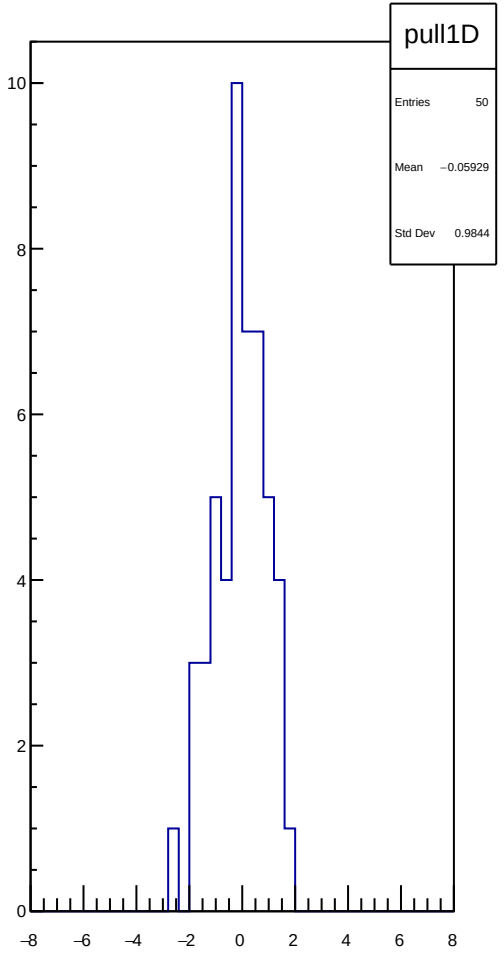
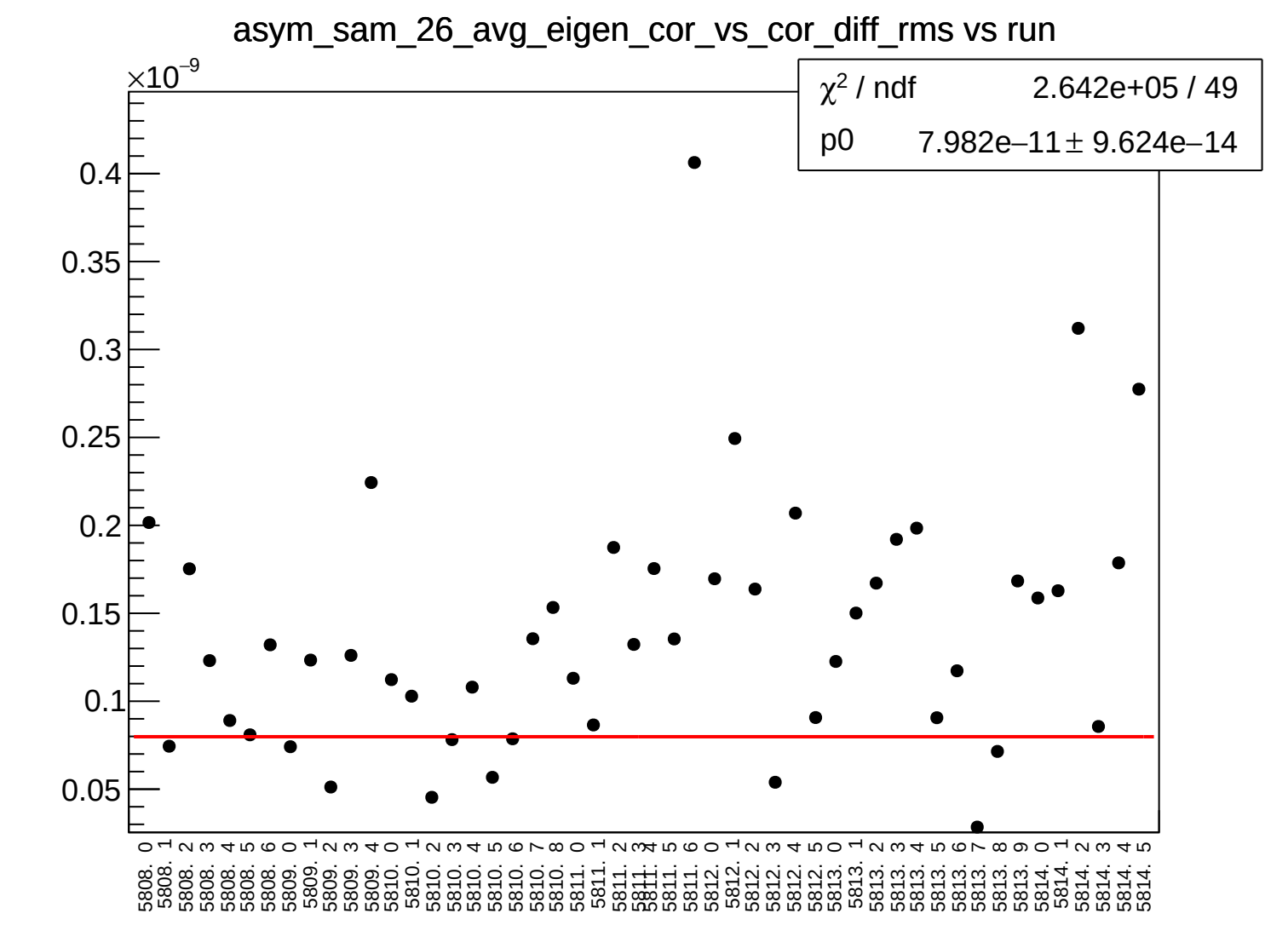
5814. 5


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.83 / 49
p0 −0.07922 ± 0.1654
pull
Entries 50
Mean −3346
Std Dev 0
pull1D
Entries 50
Mean −0.0006302
Std Dev 0.9983


asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 49
p0 113.2 ± 0.1169
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.63 / 49
p0 −4.065e−14 ± 1.361e−13
pull
Entries 50
Mean 73.05
Std Dev 0


pull1D
Entries 50
Mean −0.05929
Std Dev 0.9844


asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.642e+05 / 49
p0 7.982e−11 ± 9.624e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
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5813. 9
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5814. 2
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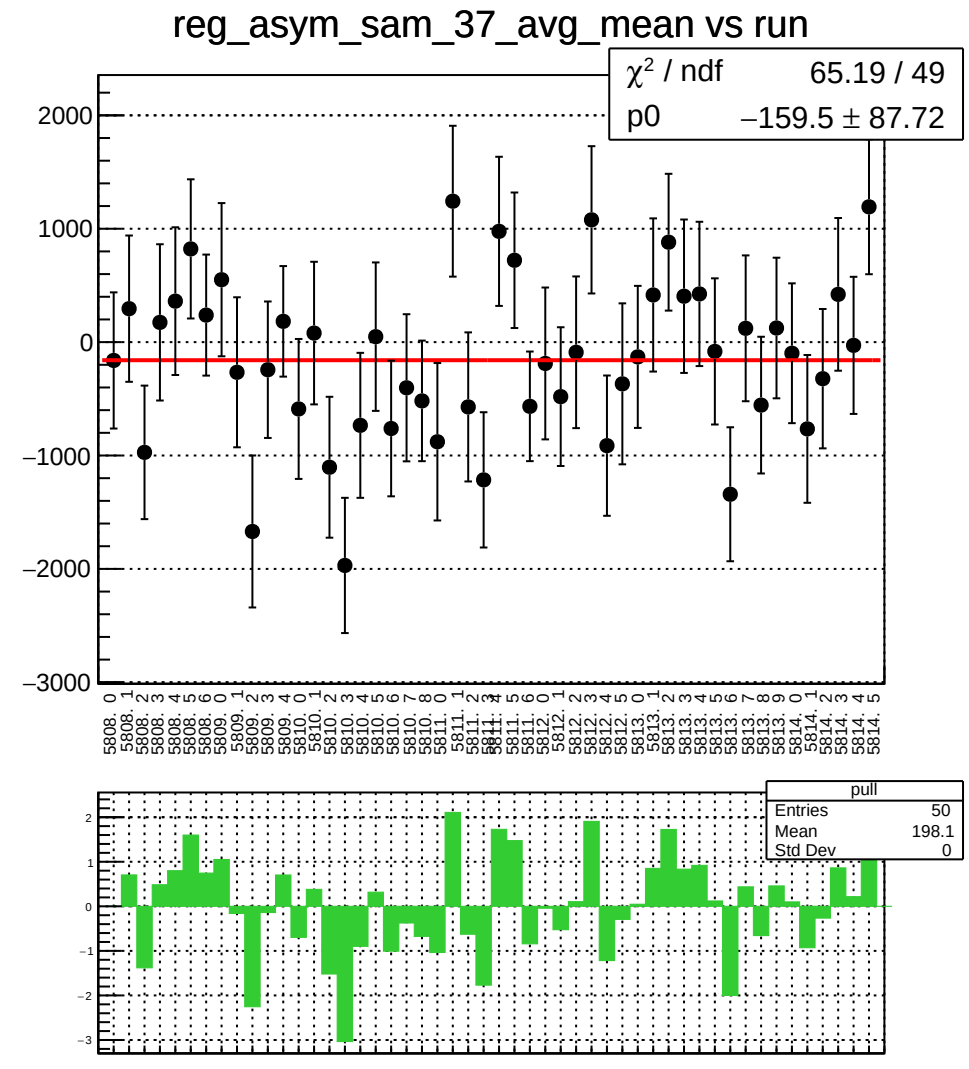
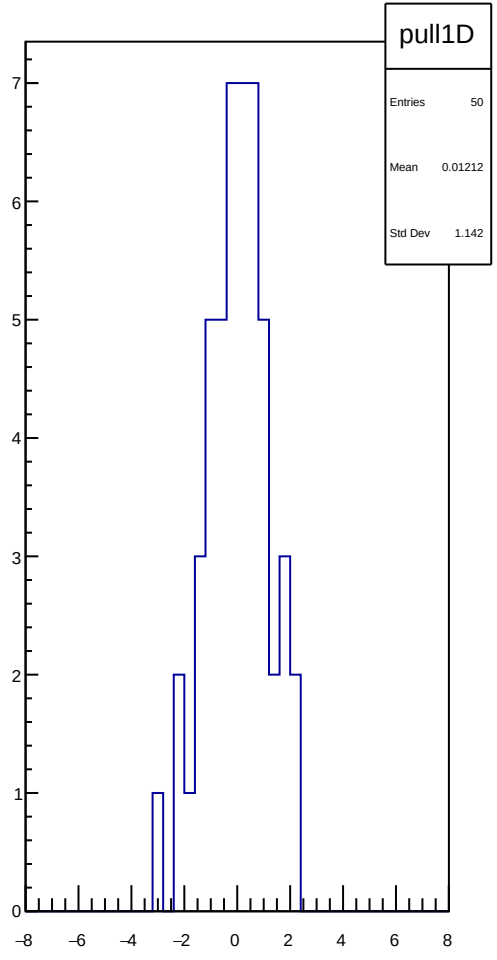
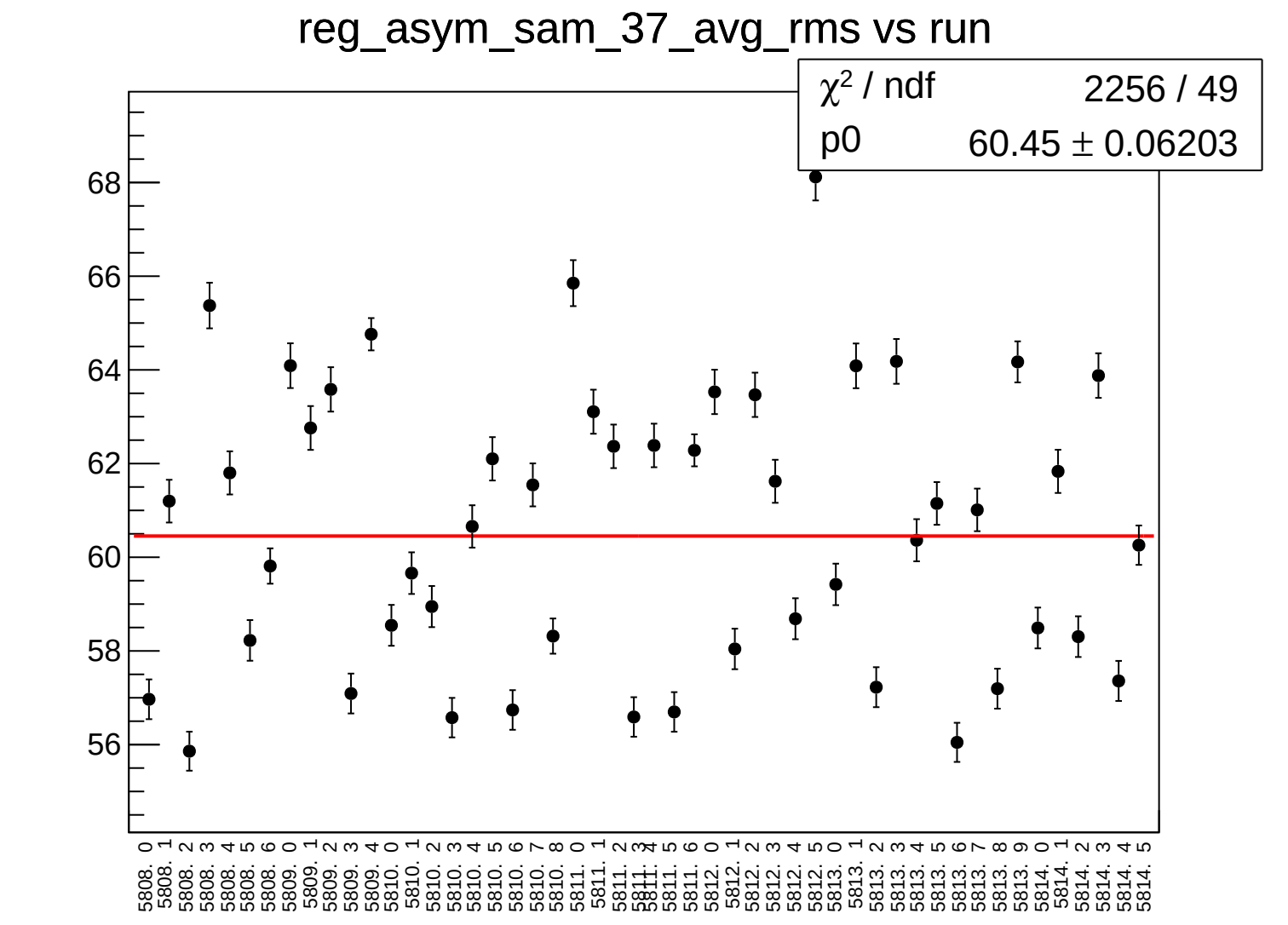
5814. 5


reg_asym_sam_37_avg_mean vs run
χ² / ndf 65.19 / 49
p0 −159.5 ± 87.72
pull
Entries 50
Mean 198.1
Std Dev 0


pull1D
Entries 50
Mean 0.01212
Std Dev 1.142


reg_asym_sam_37_avg_rms vs run
χ² / ndf 2256 / 49
p0 60.45 ± 0.06203
68
66
64
62
60
58
56
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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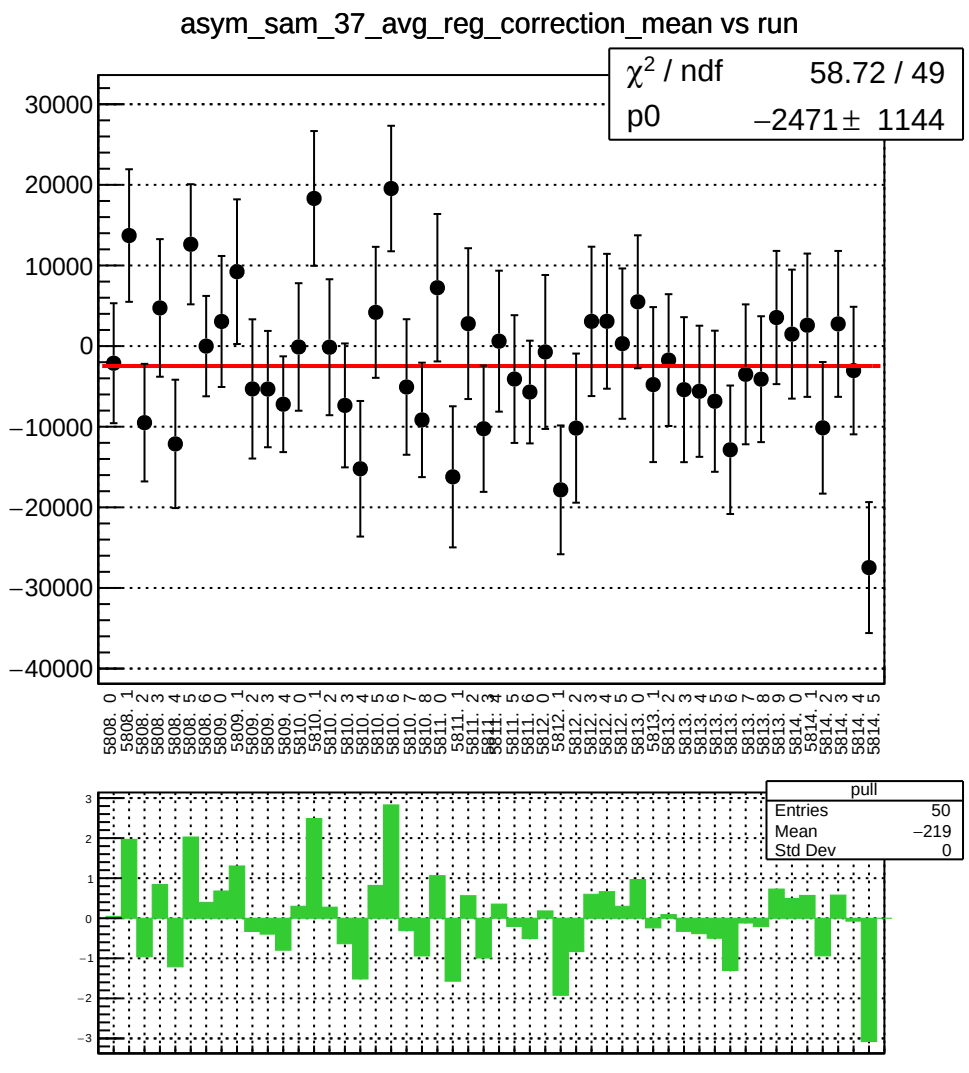
5814. 4
5814. 5


asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 58.72 / 49
p0 −2471± 1144
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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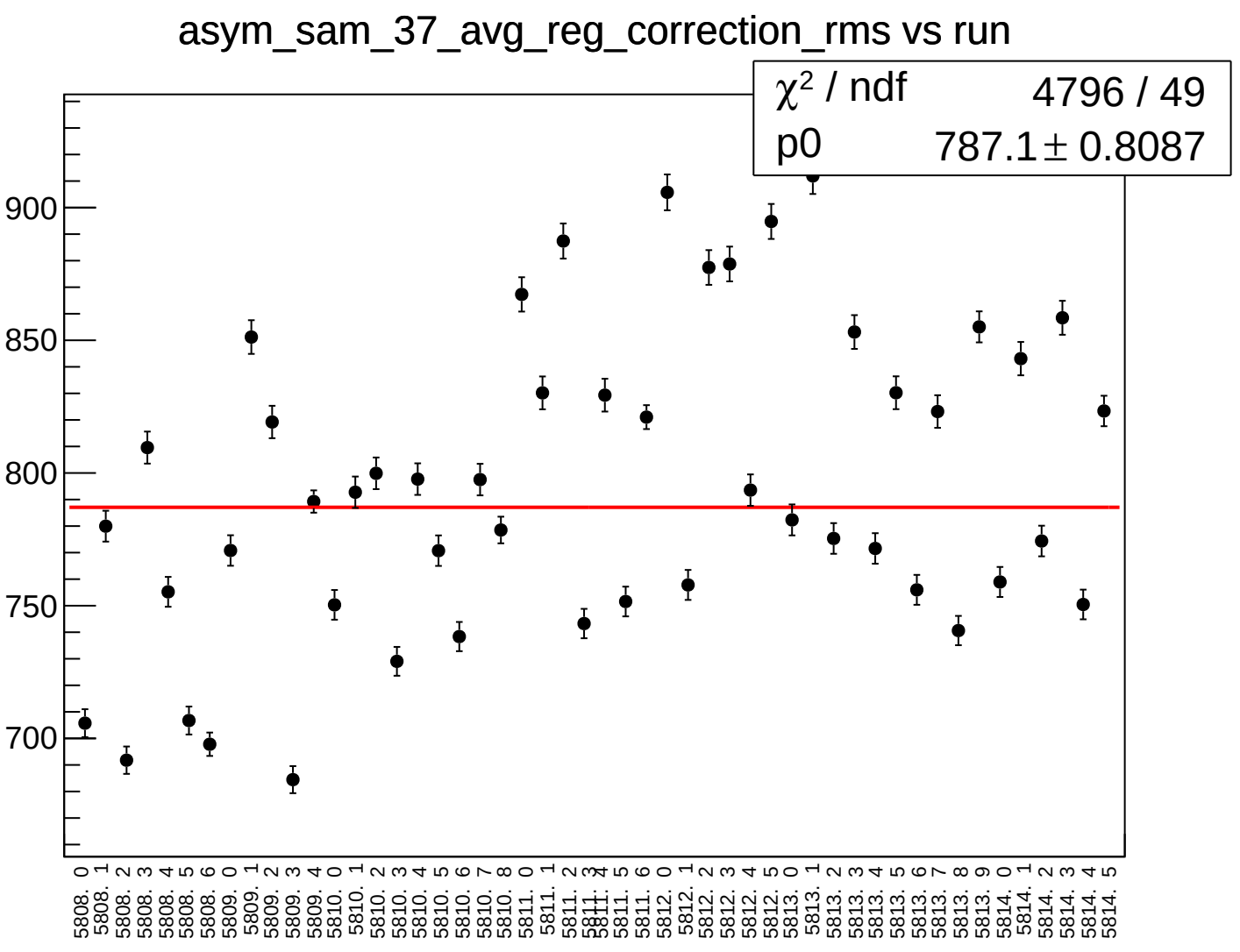
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −219
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01635
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 4796 / 49
p0 787.1 ± 0.8087
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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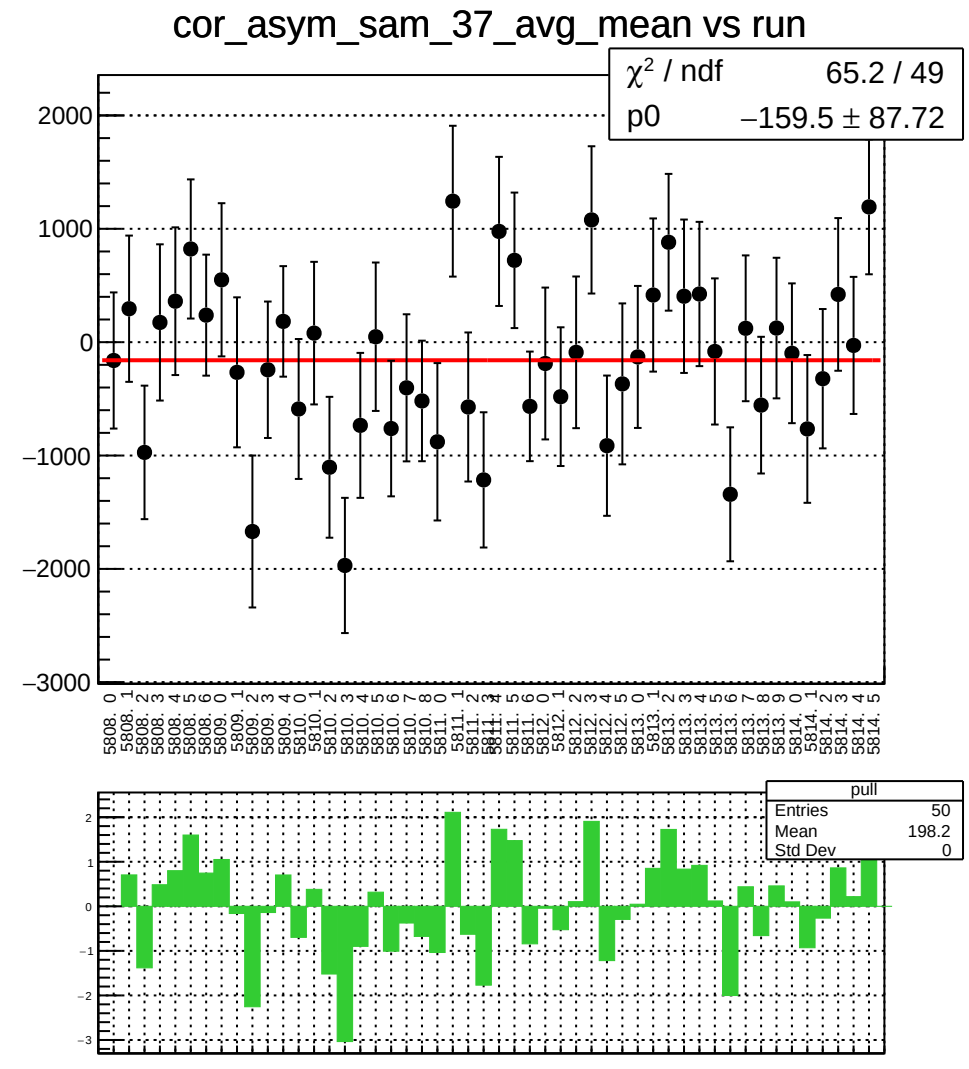
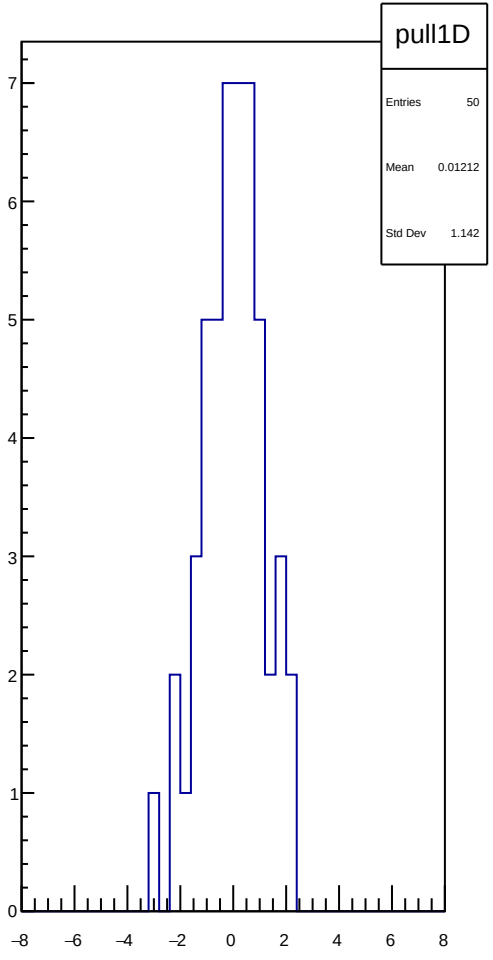
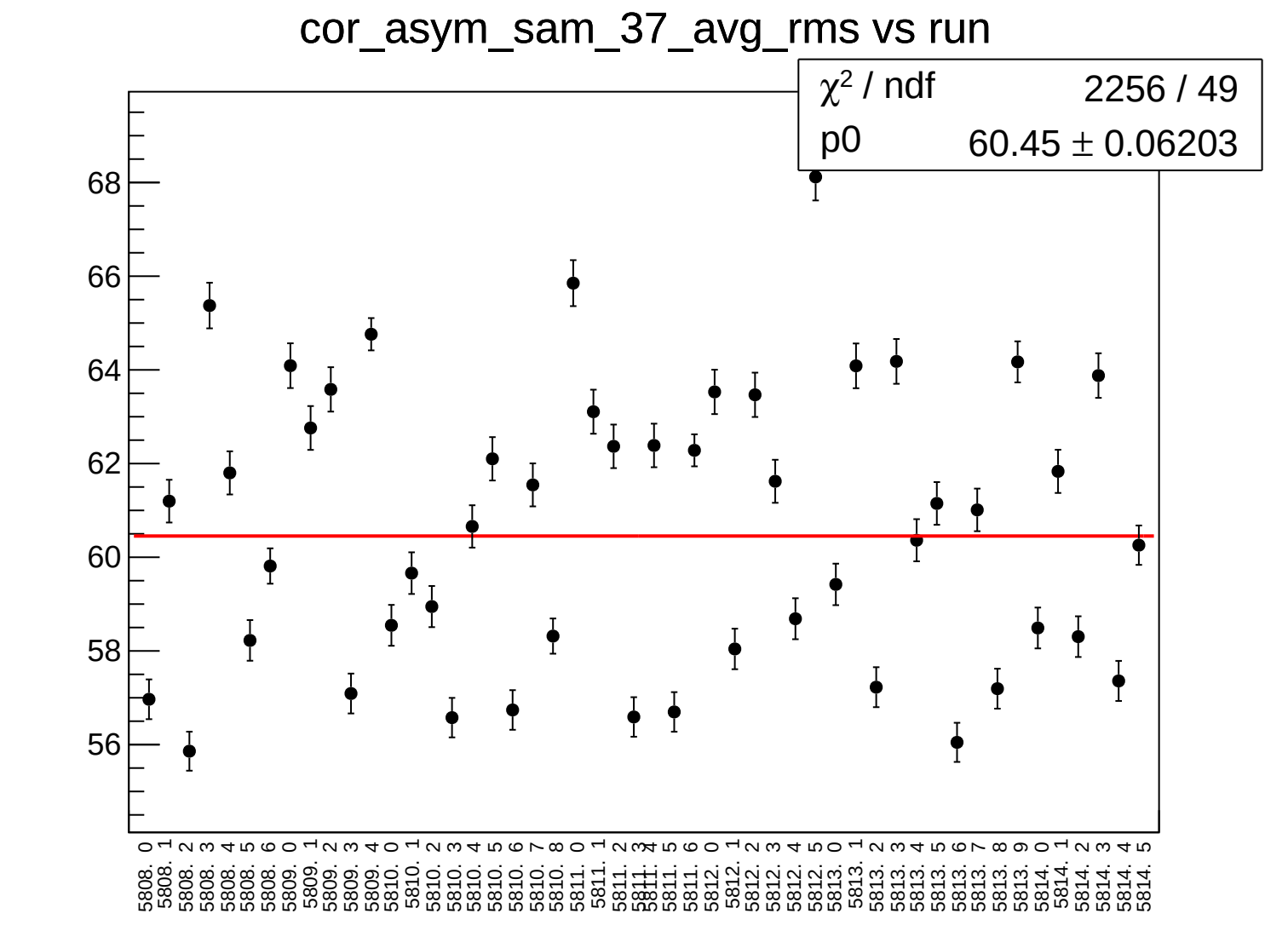
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_37_avg_mean vs run
χ² / ndf 65.2 / 49
p0 −159.5 ± 87.72
pull
Entries 50
Mean 198.2
Std Dev 0


pull1D
Entries 50
Mean 0.01212
Std Dev 1.142


cor_asym_sam_37_avg_rms vs run
χ² / ndf 2256 / 49
p0 60.45 ± 0.06203
68
66
64
62
60
58
56
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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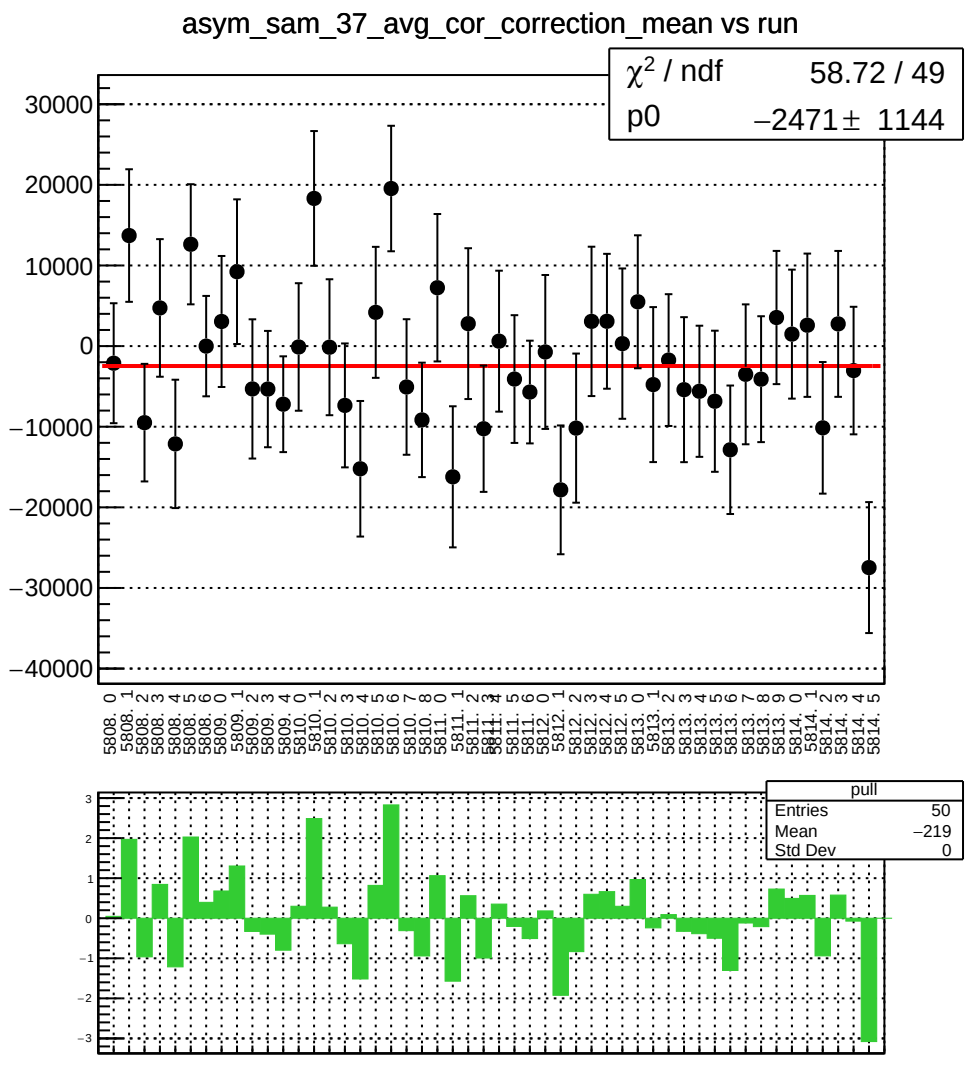
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 58.72 / 49
p0 −2471± 1144
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
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5812. 3
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5812. 5
5813. 0
5813. 1
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5813. 3
5813. 4
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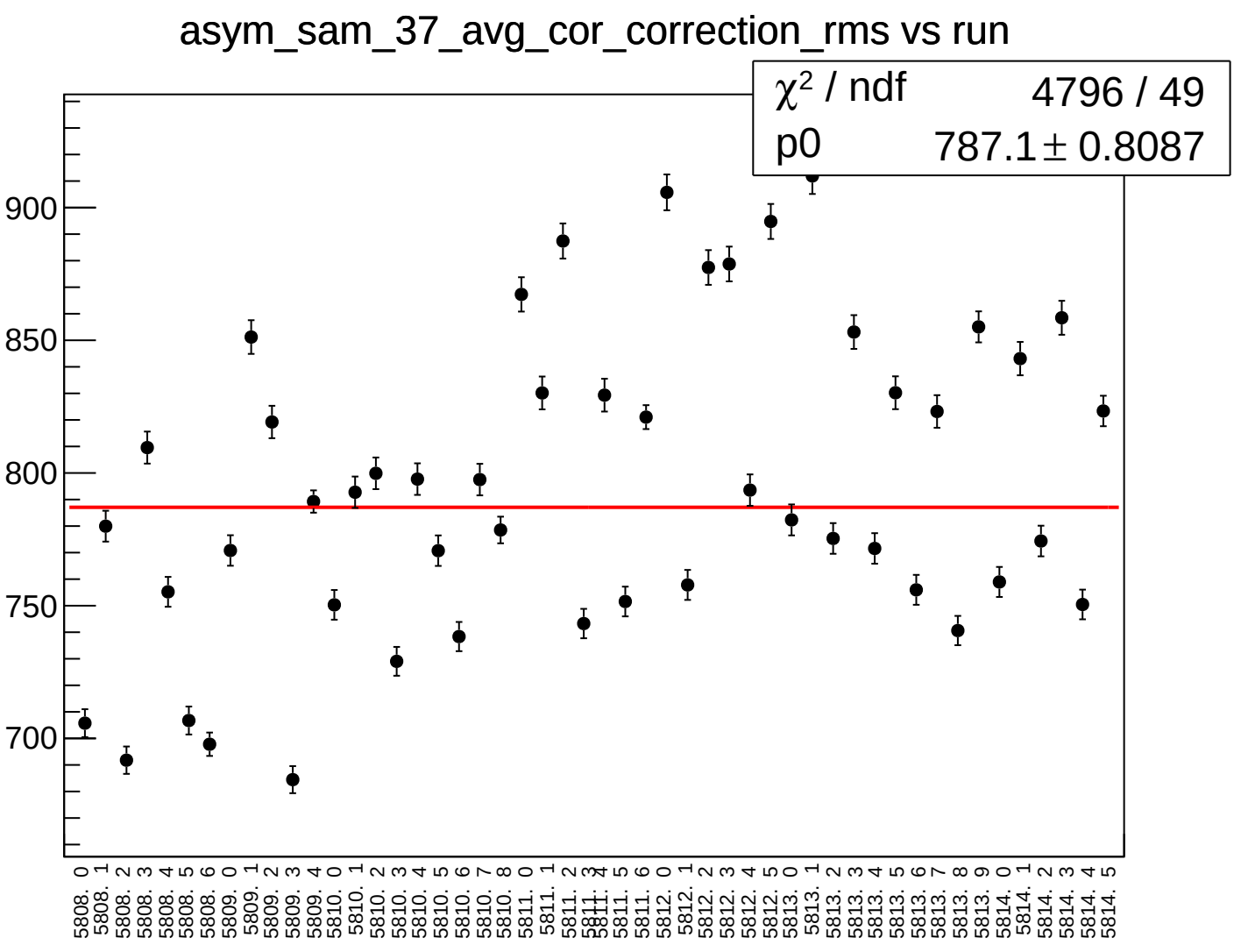
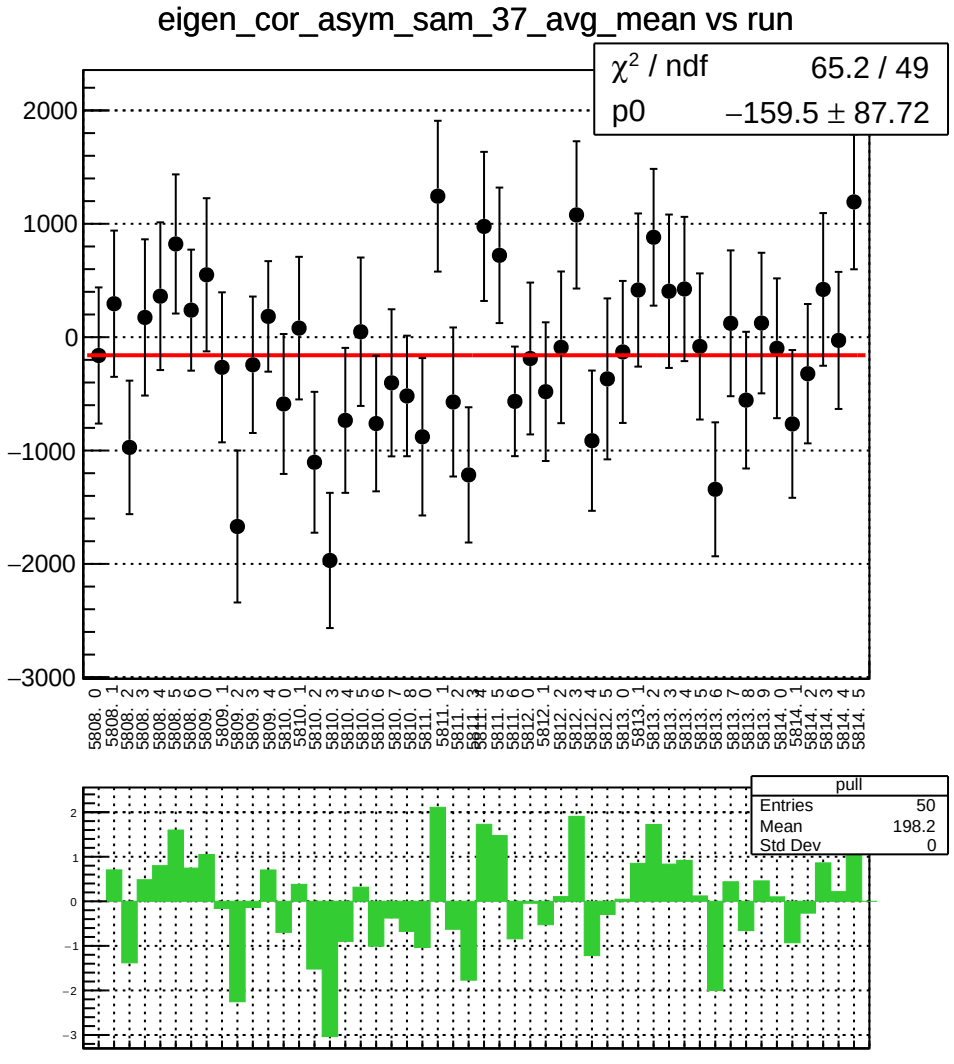
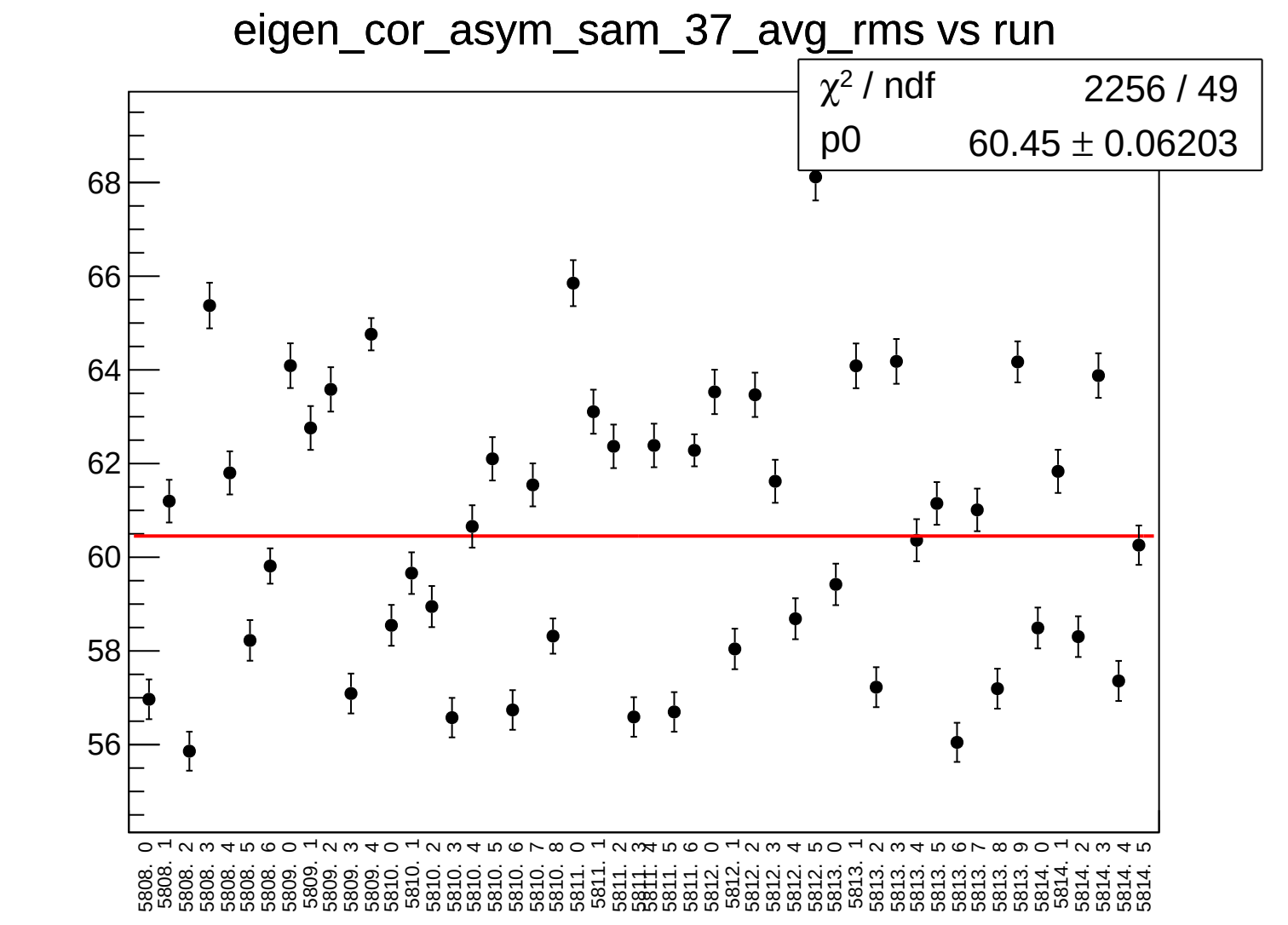
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −219
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01635
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 4796 / 49
p0 787.1 ± 0.8087
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 65.2 / 49
p0 −159.5 ± 87.72
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 198.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.01212
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 2256 / 49
p0 60.45 ± 0.06203
68
66
64
62
60
58
56
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 0
5814. 1
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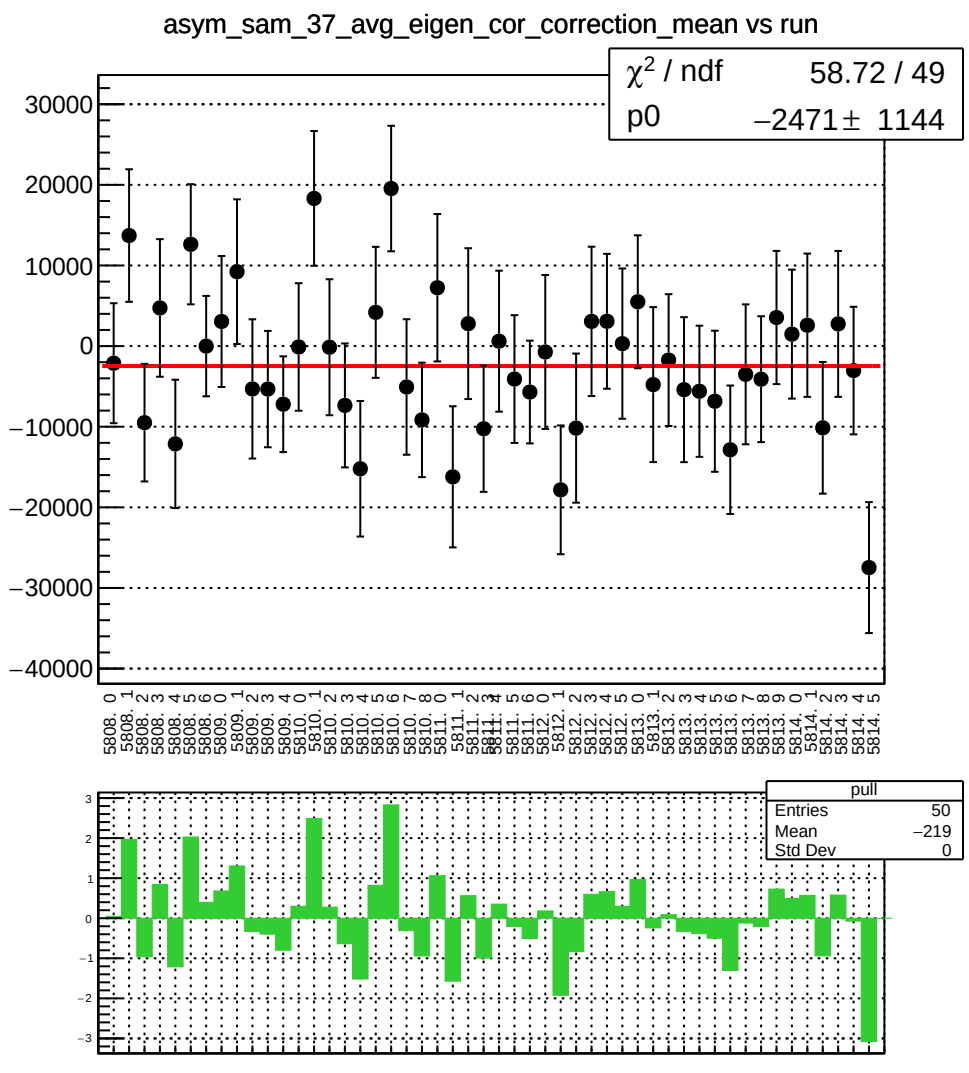
5814. 5


asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 58.72 / 49
p0 −2471± 1144
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
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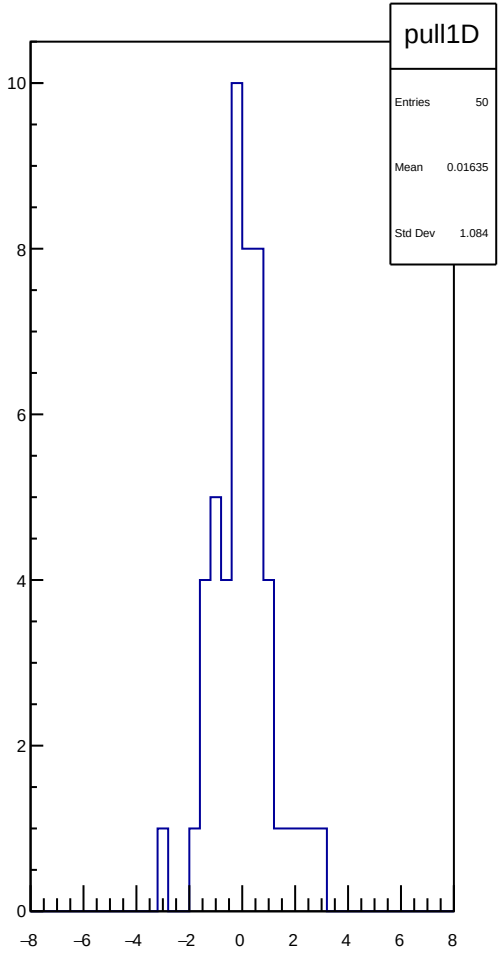
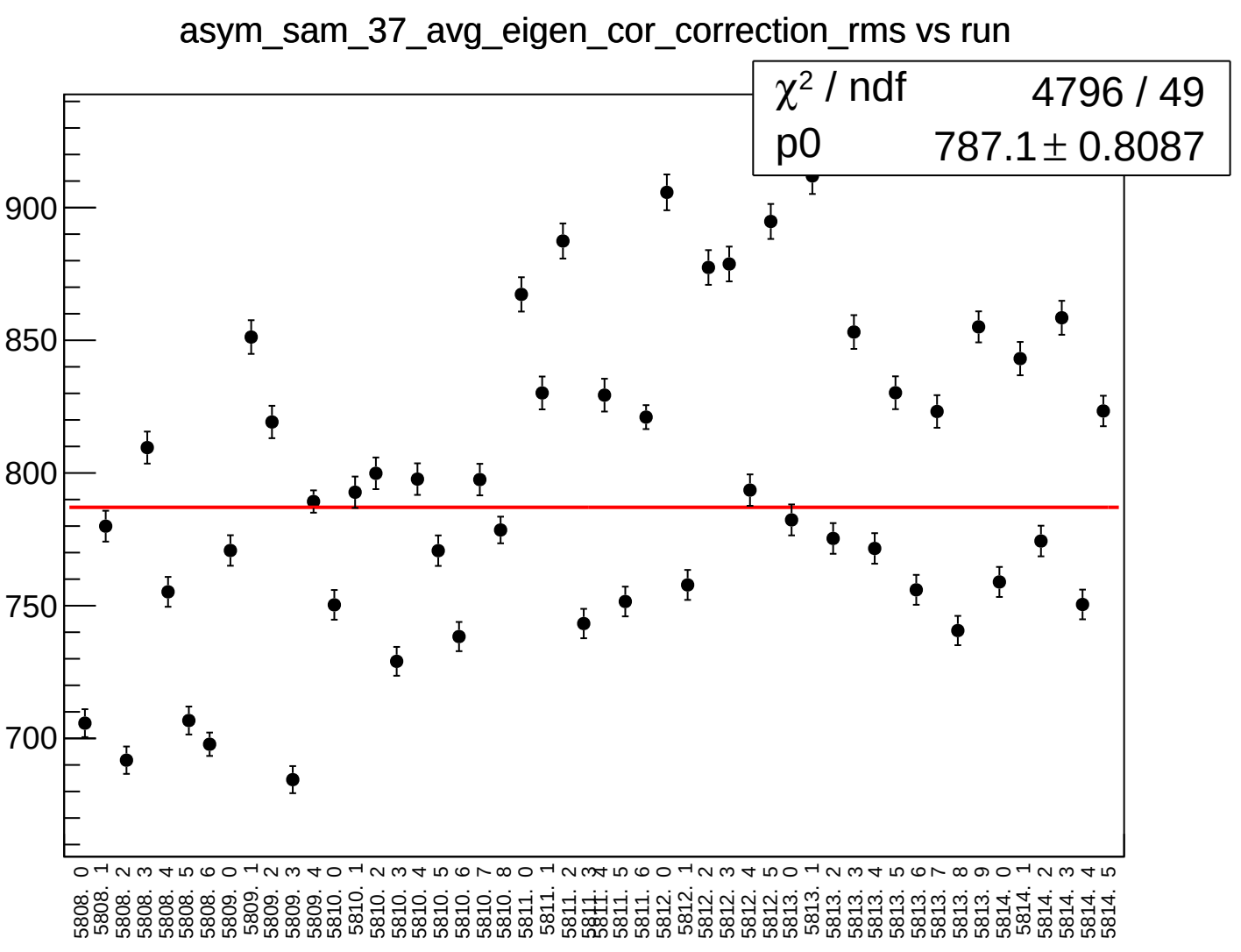
5814. 5
pull
Entries 50
Mean −219
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.01635
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 4796 / 49
p0 787.1 ± 0.8087
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
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5813. 8
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5814. 0
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5814. 2
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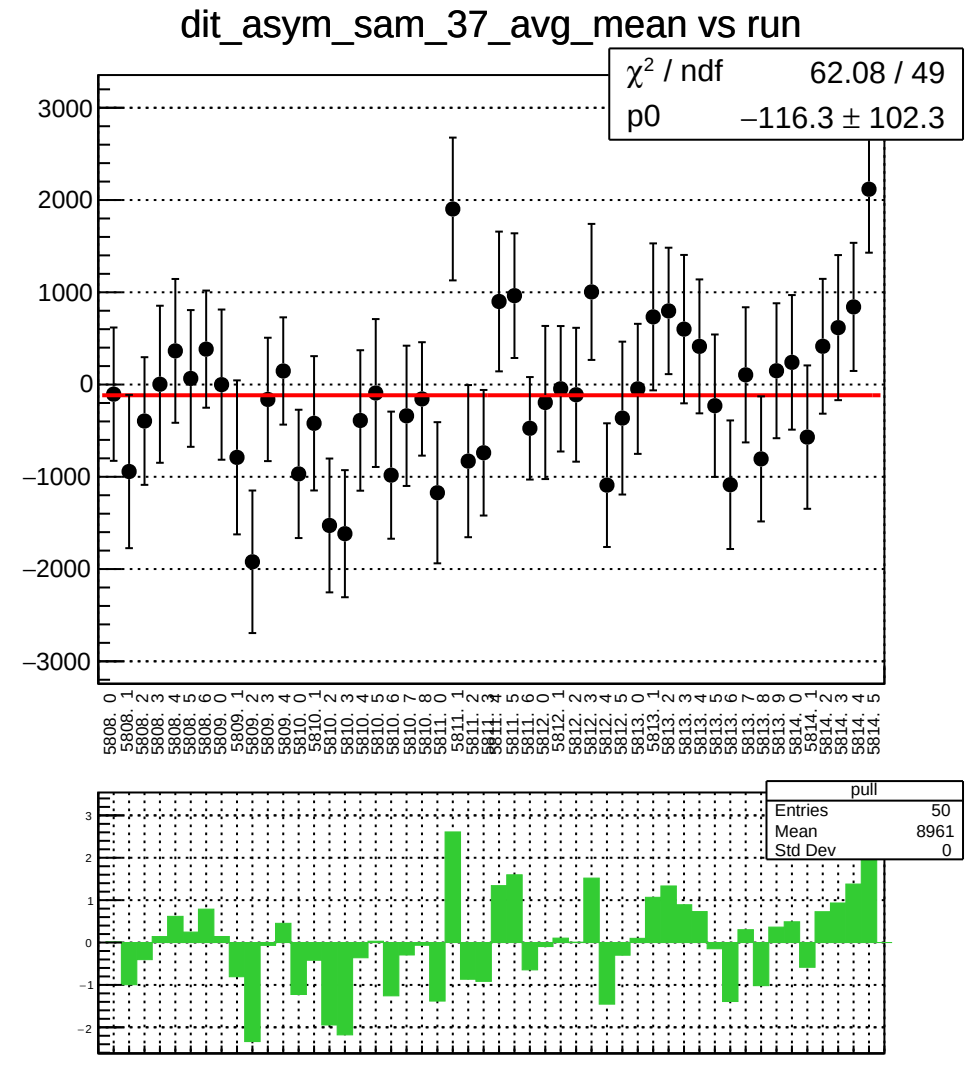
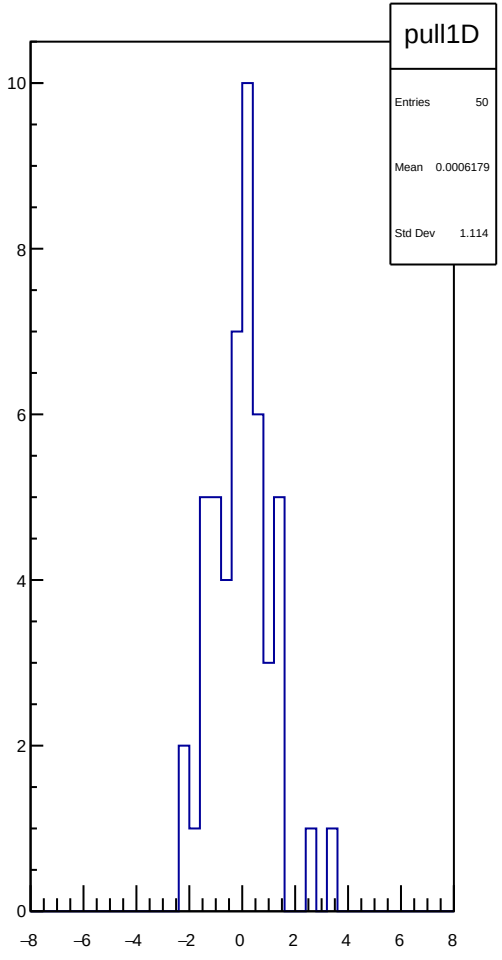
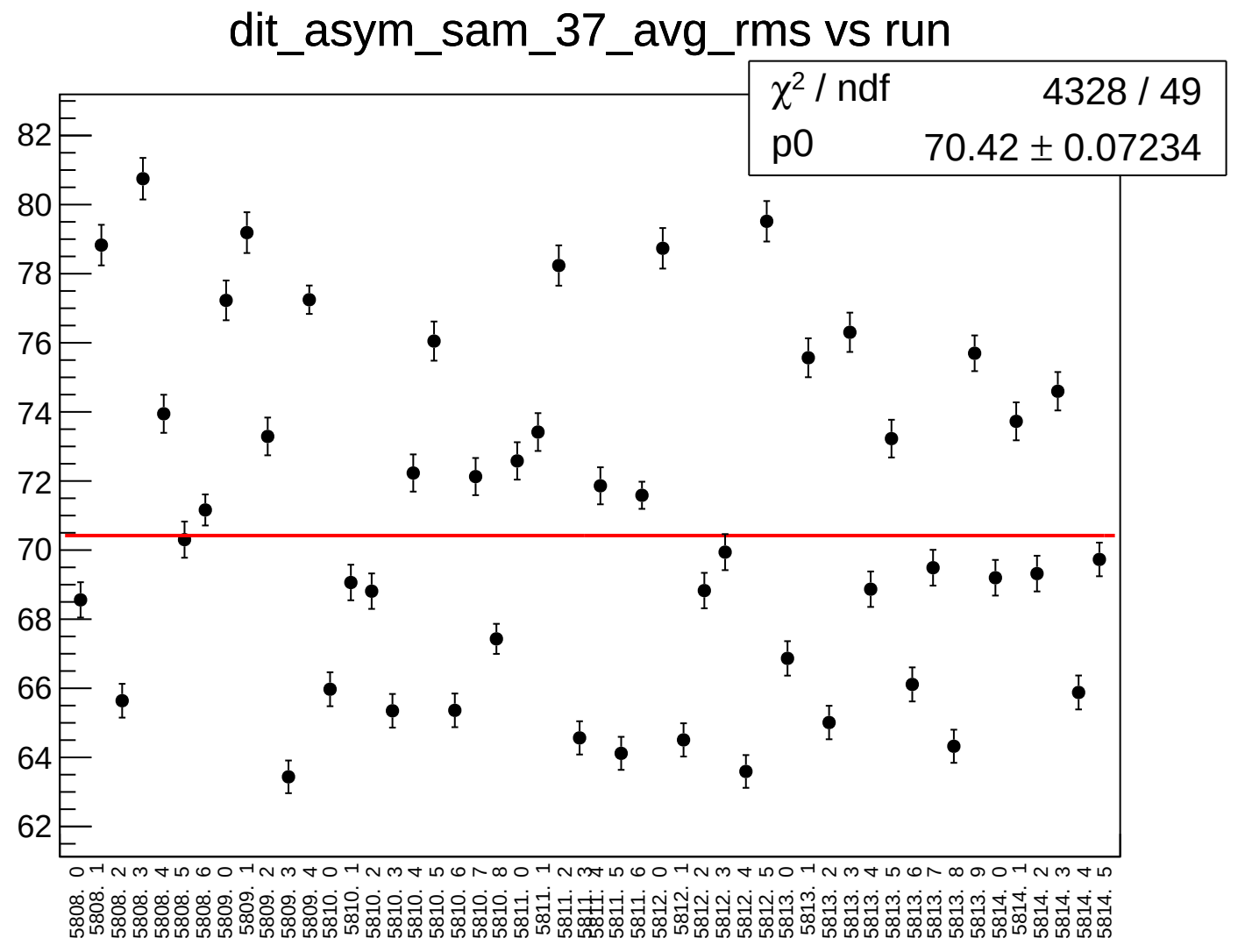
5814. 4
5814. 5


dit_asym_sam_37_avg_mean vs run
χ² / ndf 62.08 / 49
p0 −116.3 ± 102.3
pull
Entries 50
Mean 8961
Std Dev 0


pull1D
Entries 50
Mean 0.0006179
Std Dev 1.114


dit_asym_sam_37_avg_rms vs run
χ² / ndf 4328 / 49
p0 70.42 ± 0.07234
82
80
78
76
74
72
70
68
66
64
62
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5813. 1
5813. 2
5813. 3
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5813. 5
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5813. 8
5813. 9
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5814. 2
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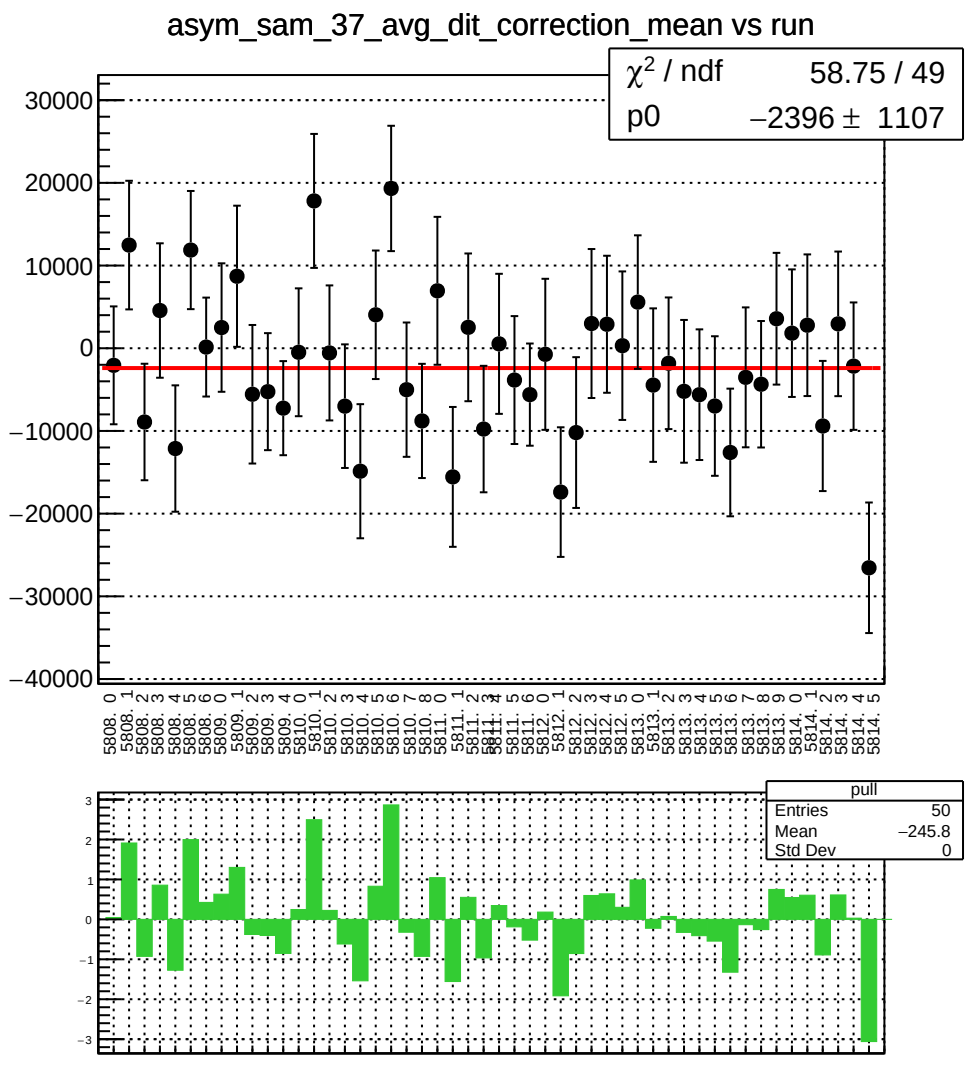
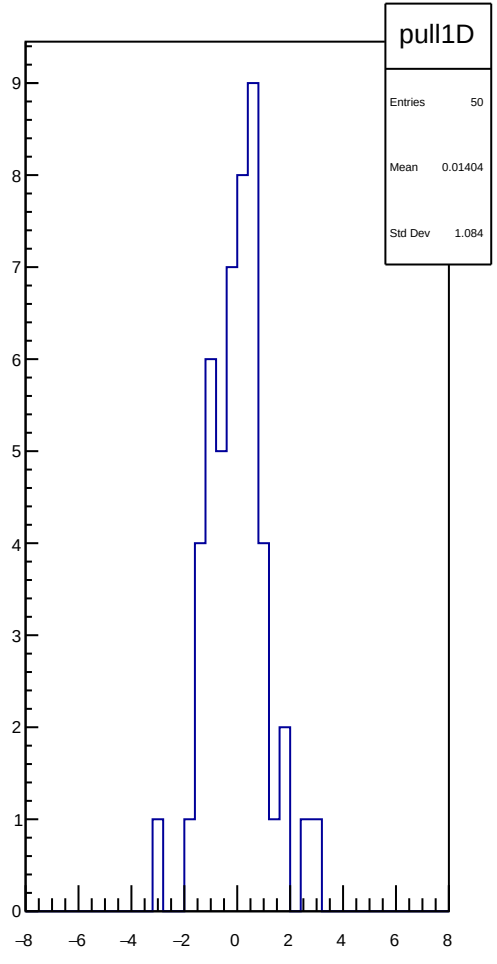
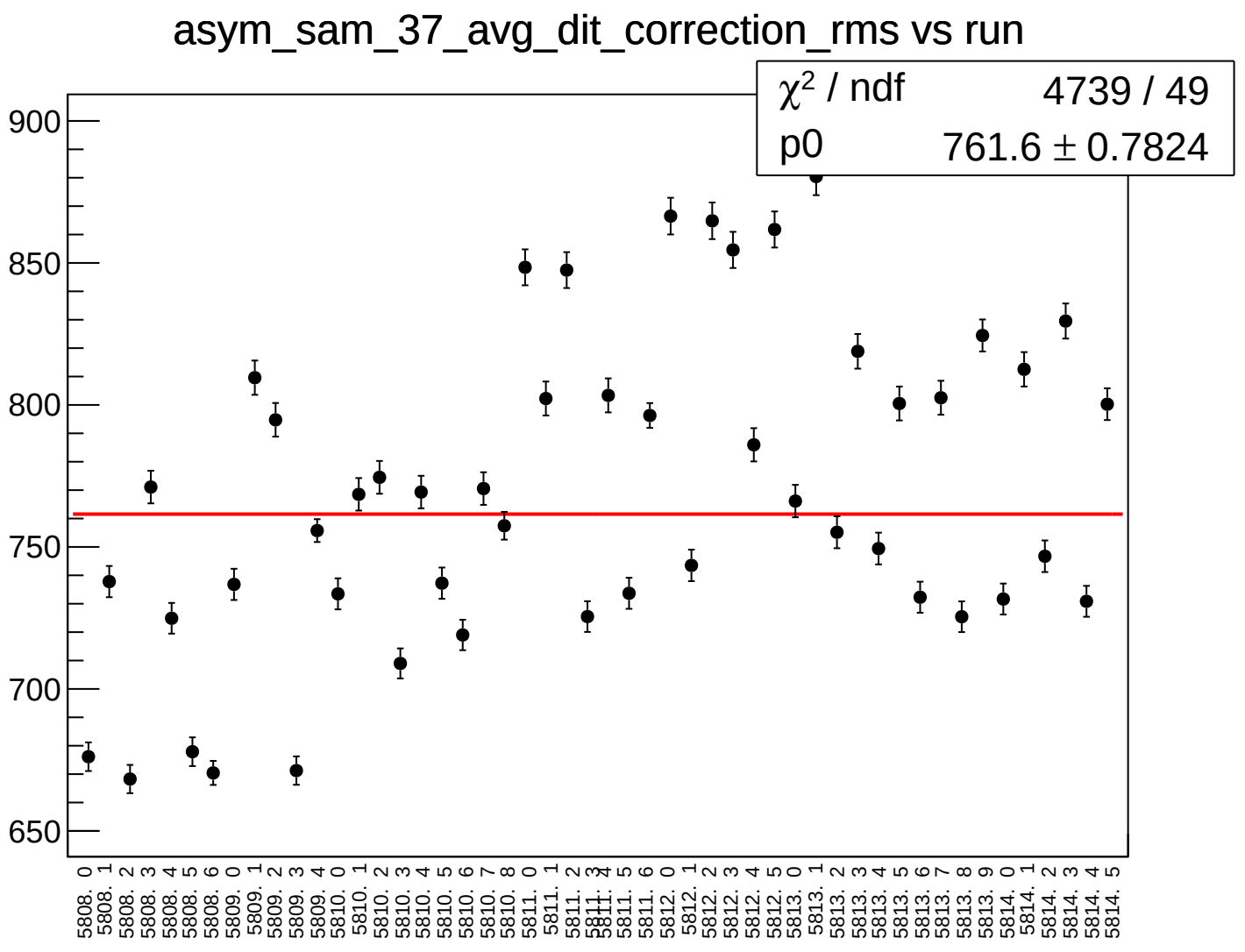
5814. 5


asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 58.75 / 49
p0 −2396 ± 1107
pull
Entries 50
Mean −245.8
Std Dev 0


pull1D
Entries 50
Mean 0.01404
Std Dev 1.084


asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 4739 / 49
p0 761.6 ± 0.7824
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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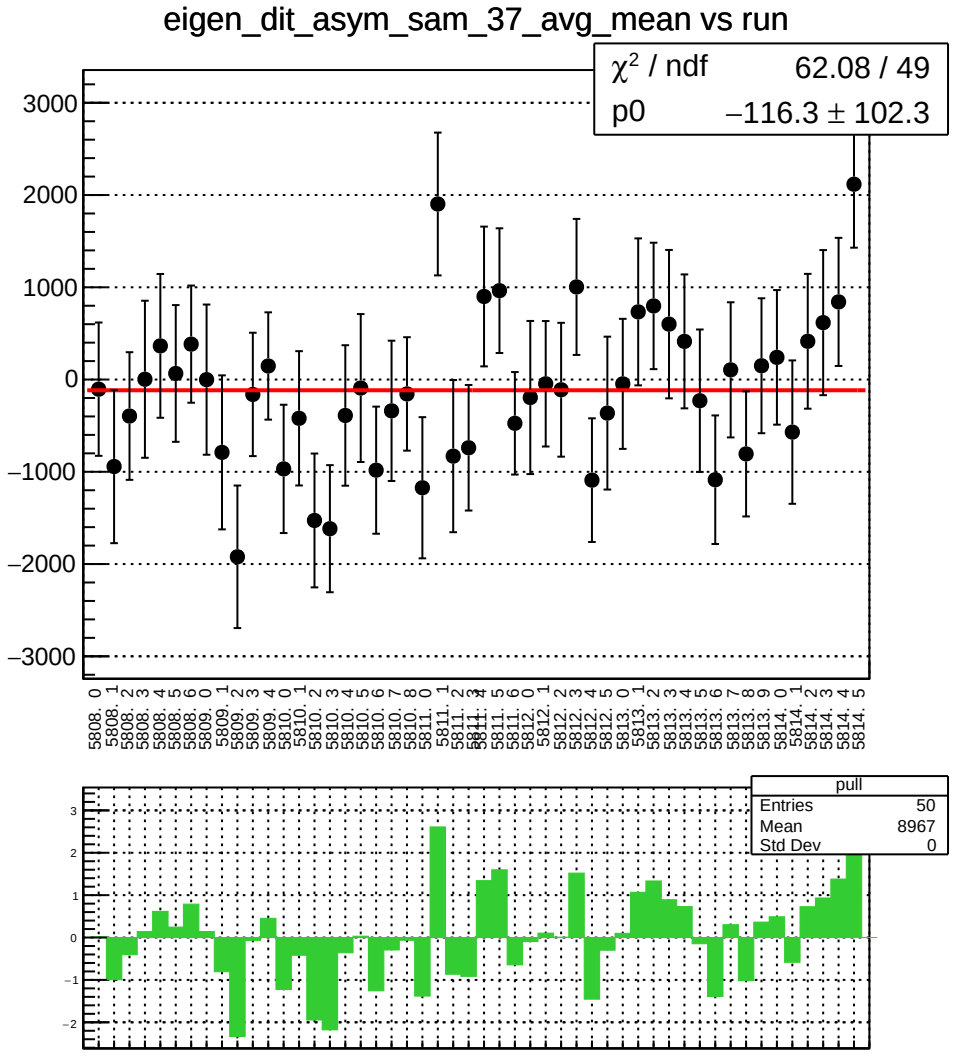
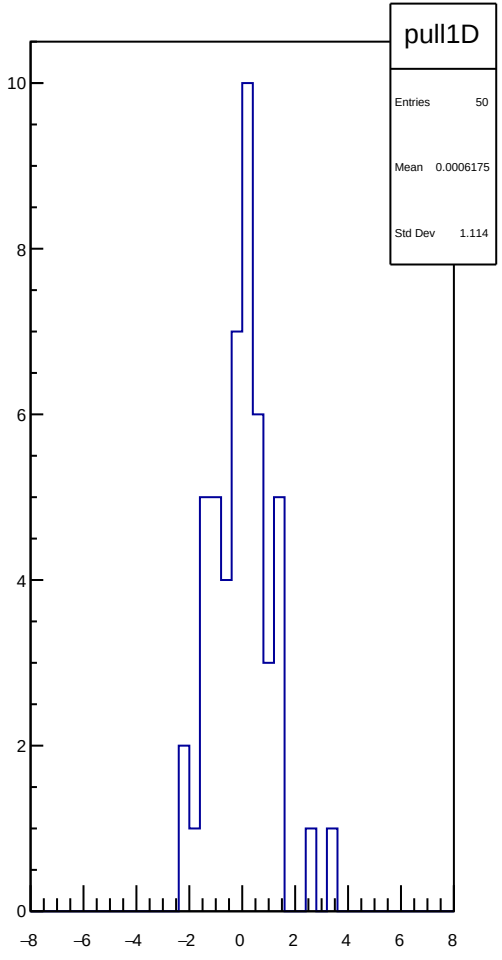
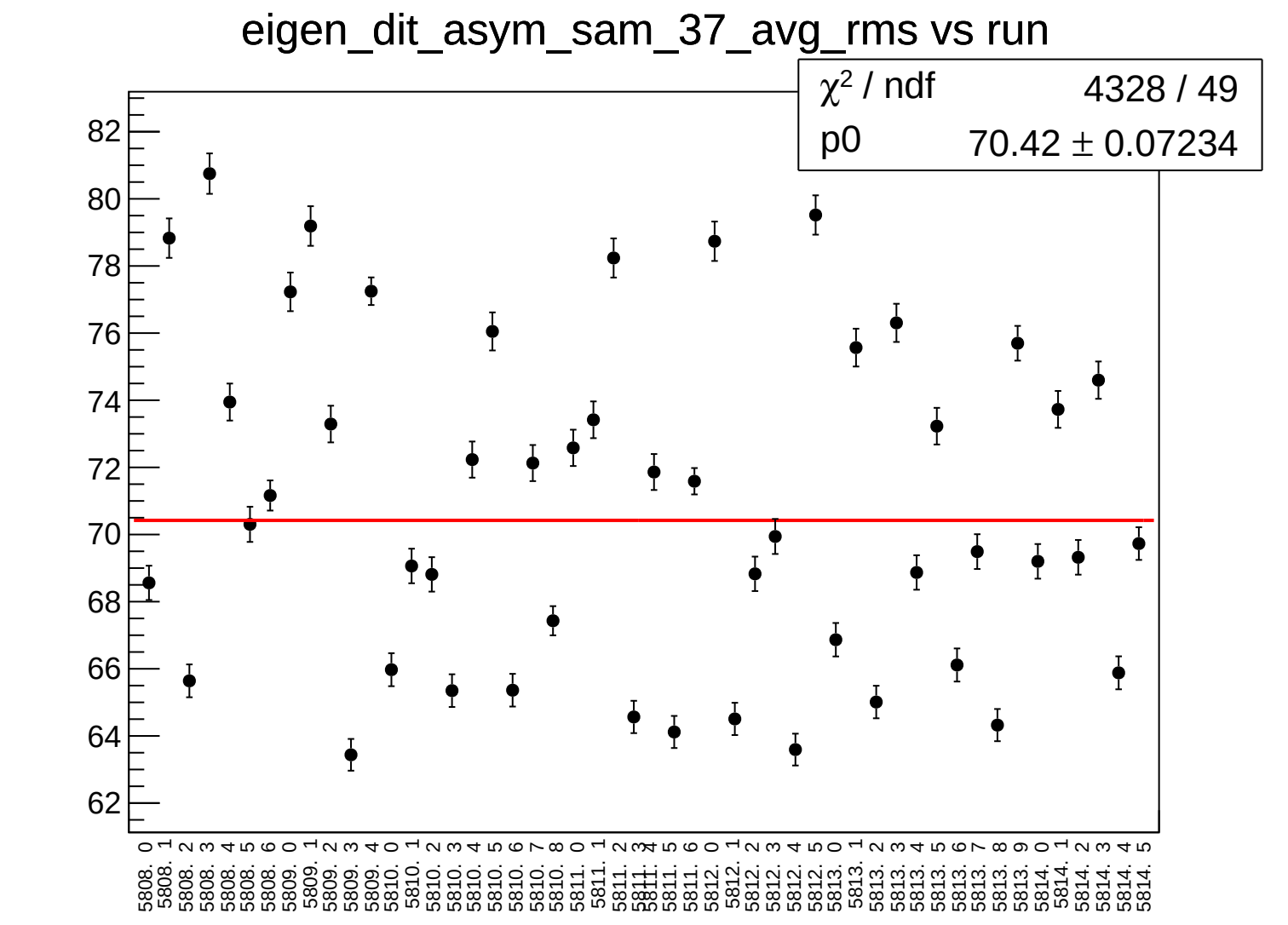
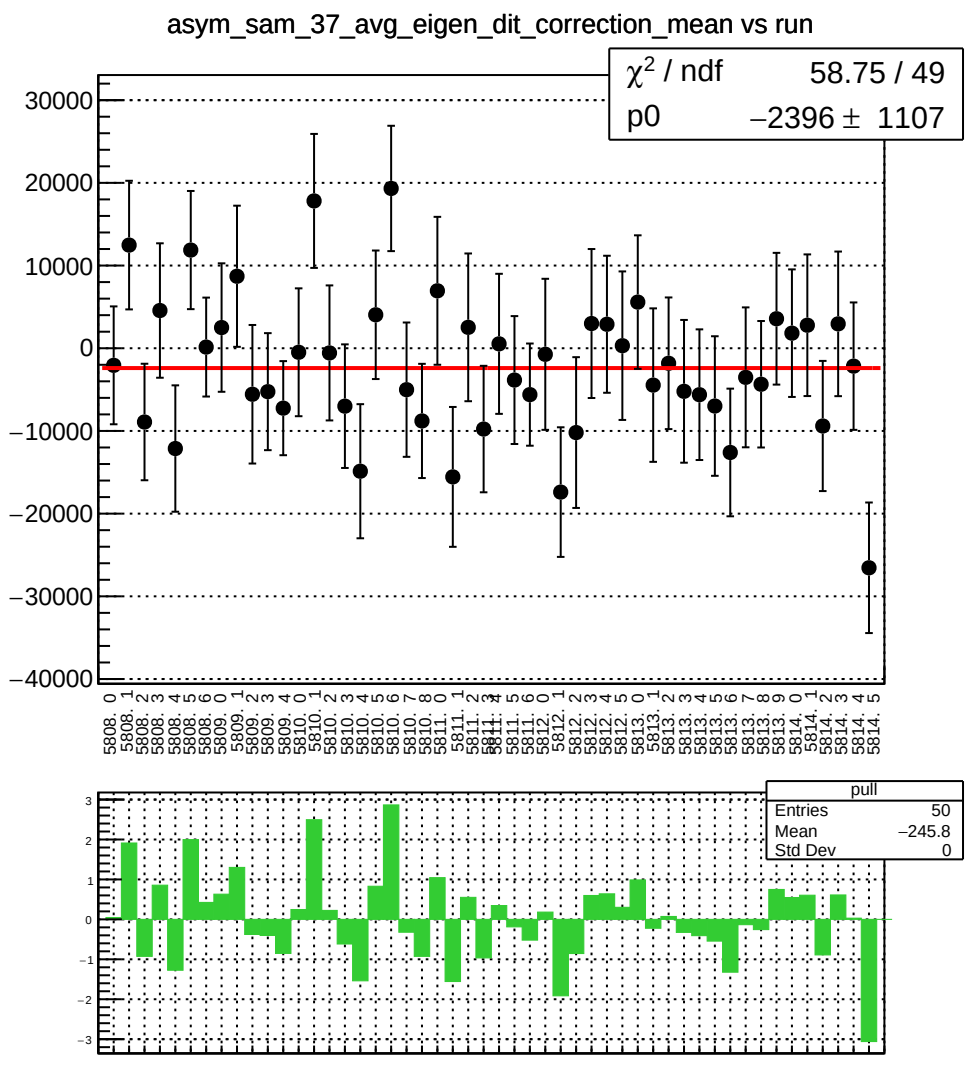
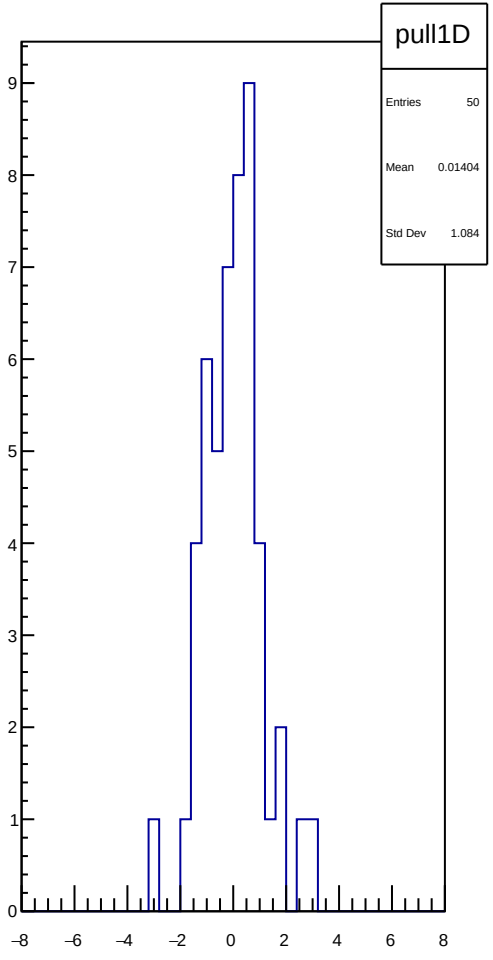
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

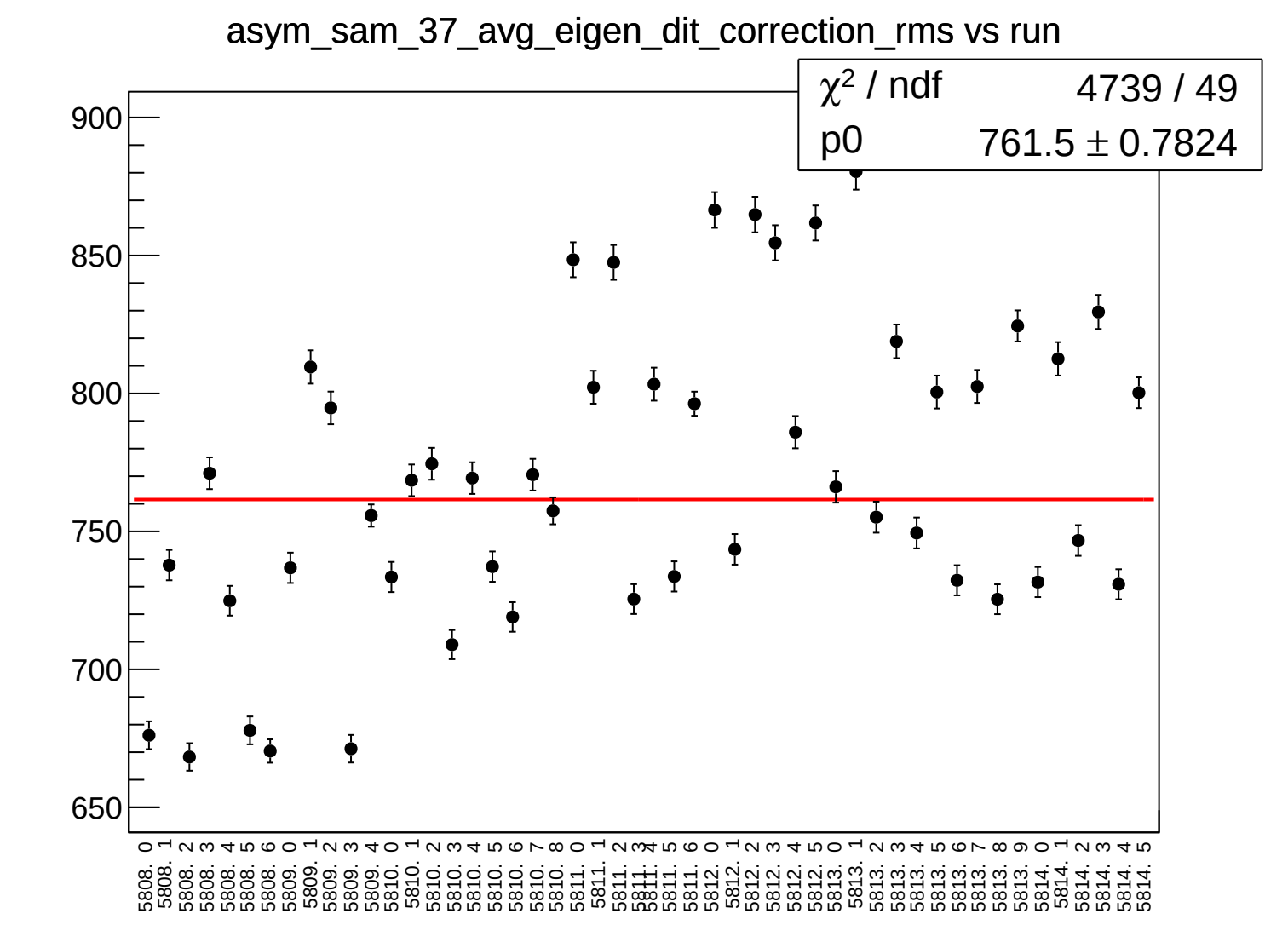

eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 62.08 / 49
p0 −116.3 ± 102.3
pull
Entries 50
Mean 8967
Std Dev 0

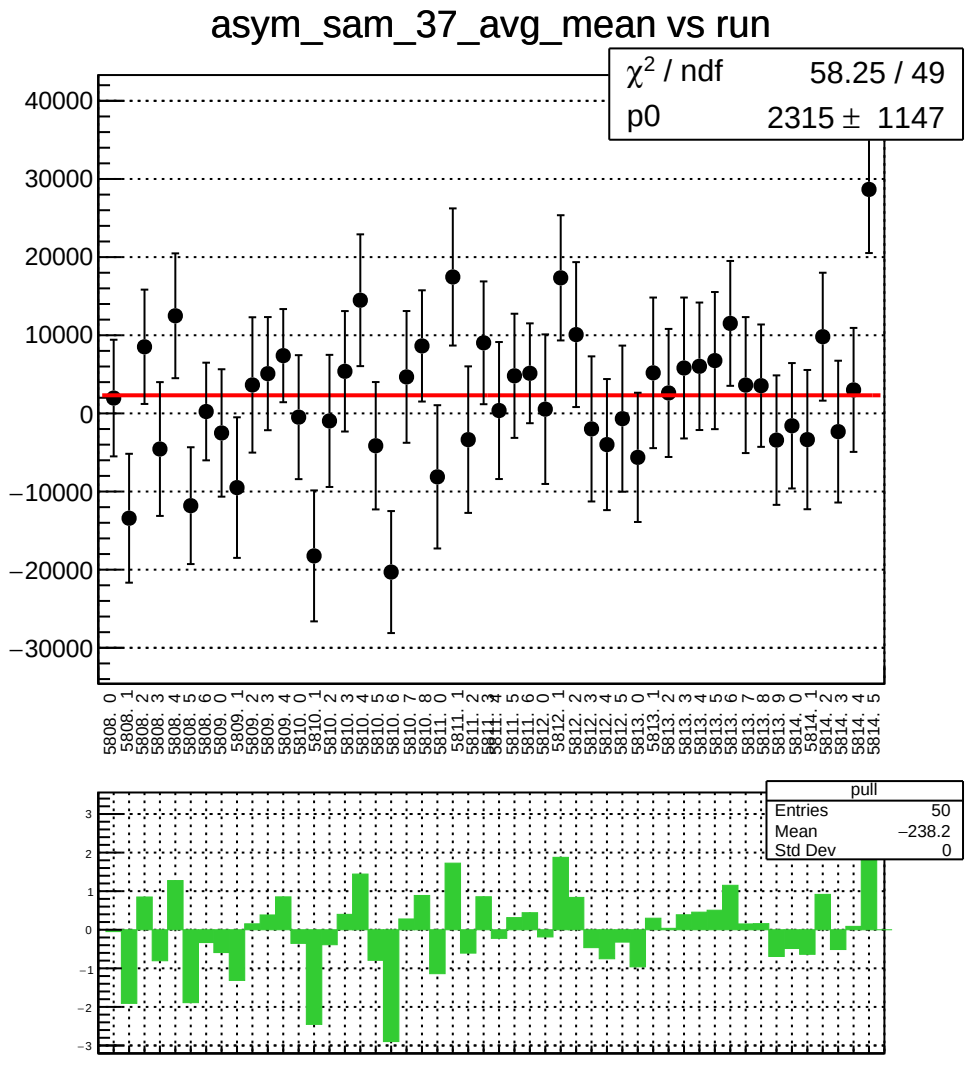

pull1D
Entries 50
Mean 0.0006175
Std Dev 1.114

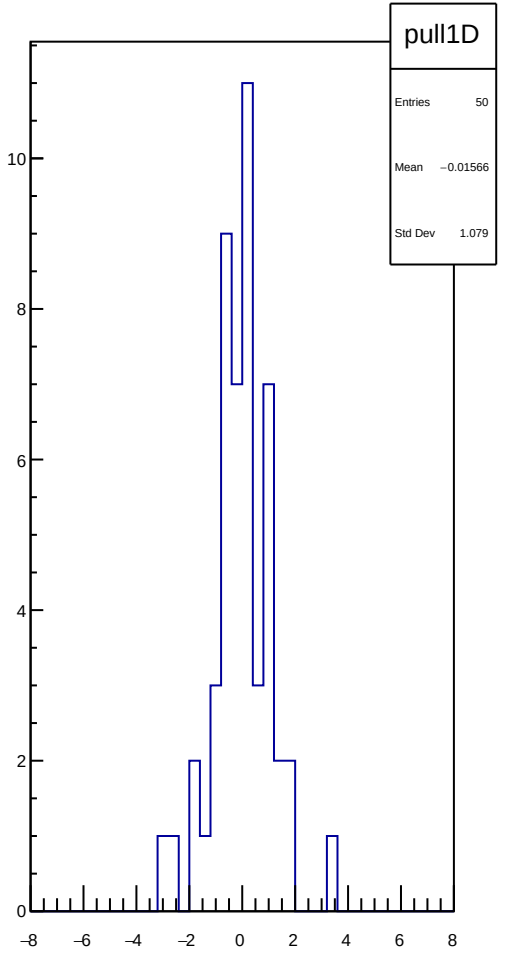

eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 4328 / 49
p0 70.42 ± 0.07234
82
80
78
76
74
72
70
68
66
64
62
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

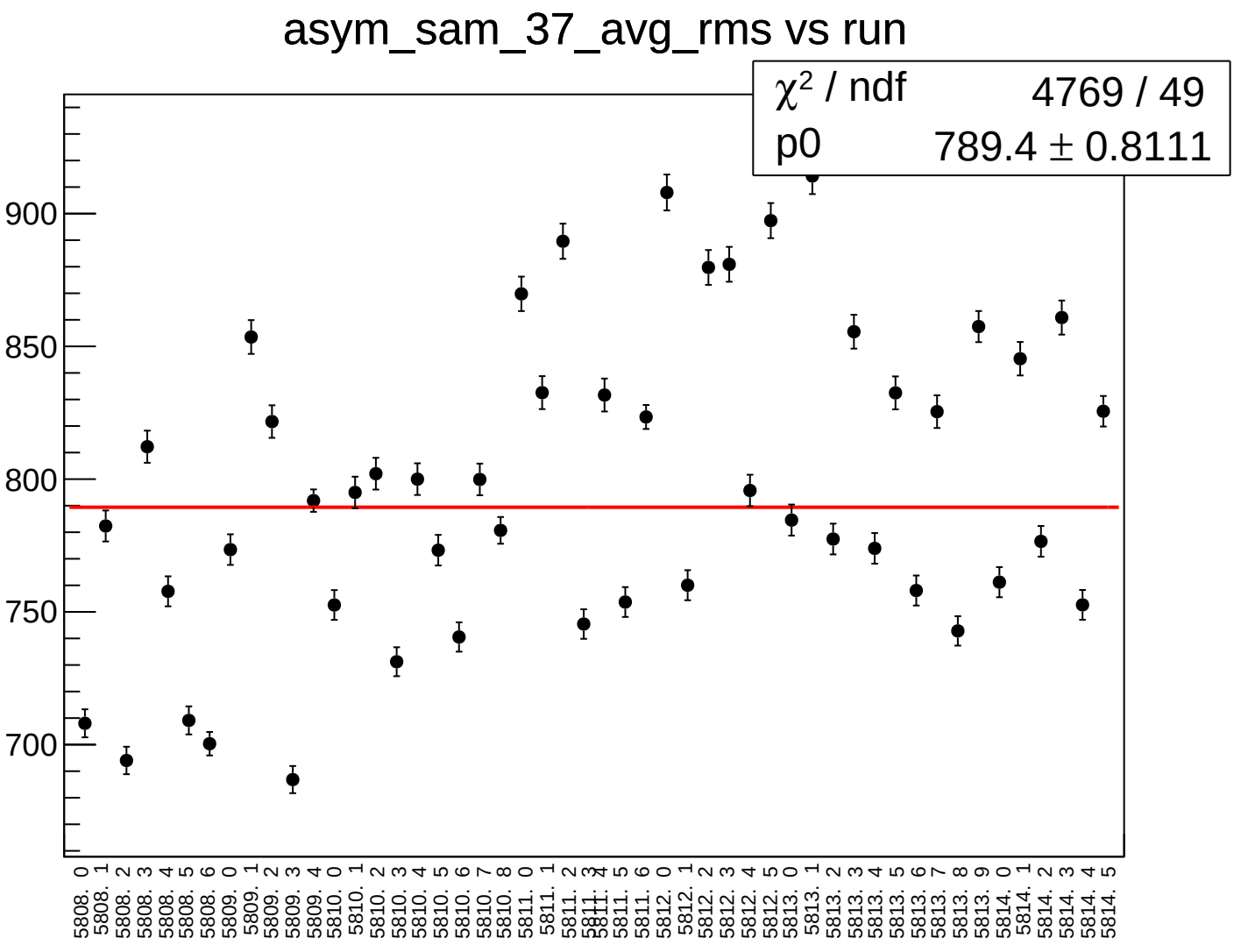

asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 58.75 / 49
p0 −2396 ± 1107
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −245.8
Std Dev 0
3
2
1
0
−1
−2
−3

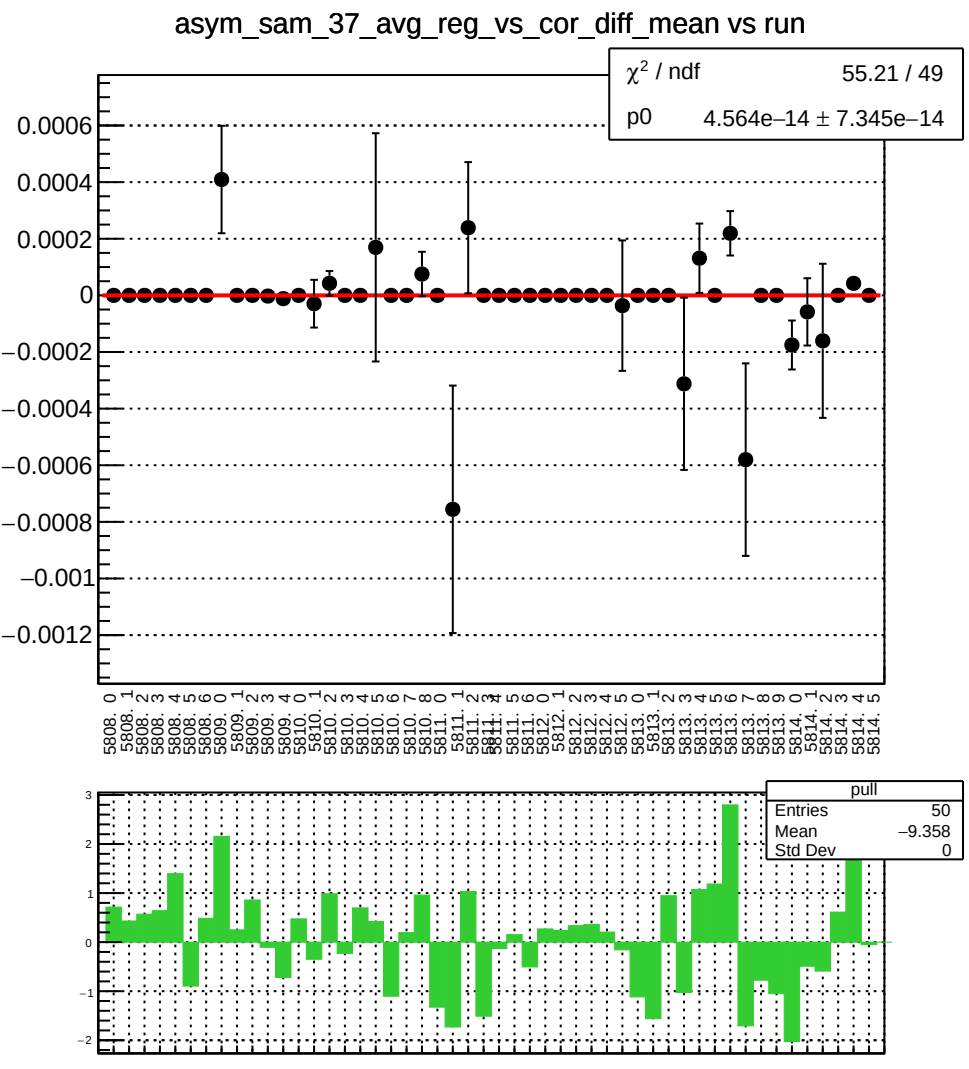

pull1D
Entries 50
Mean 0.01404
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

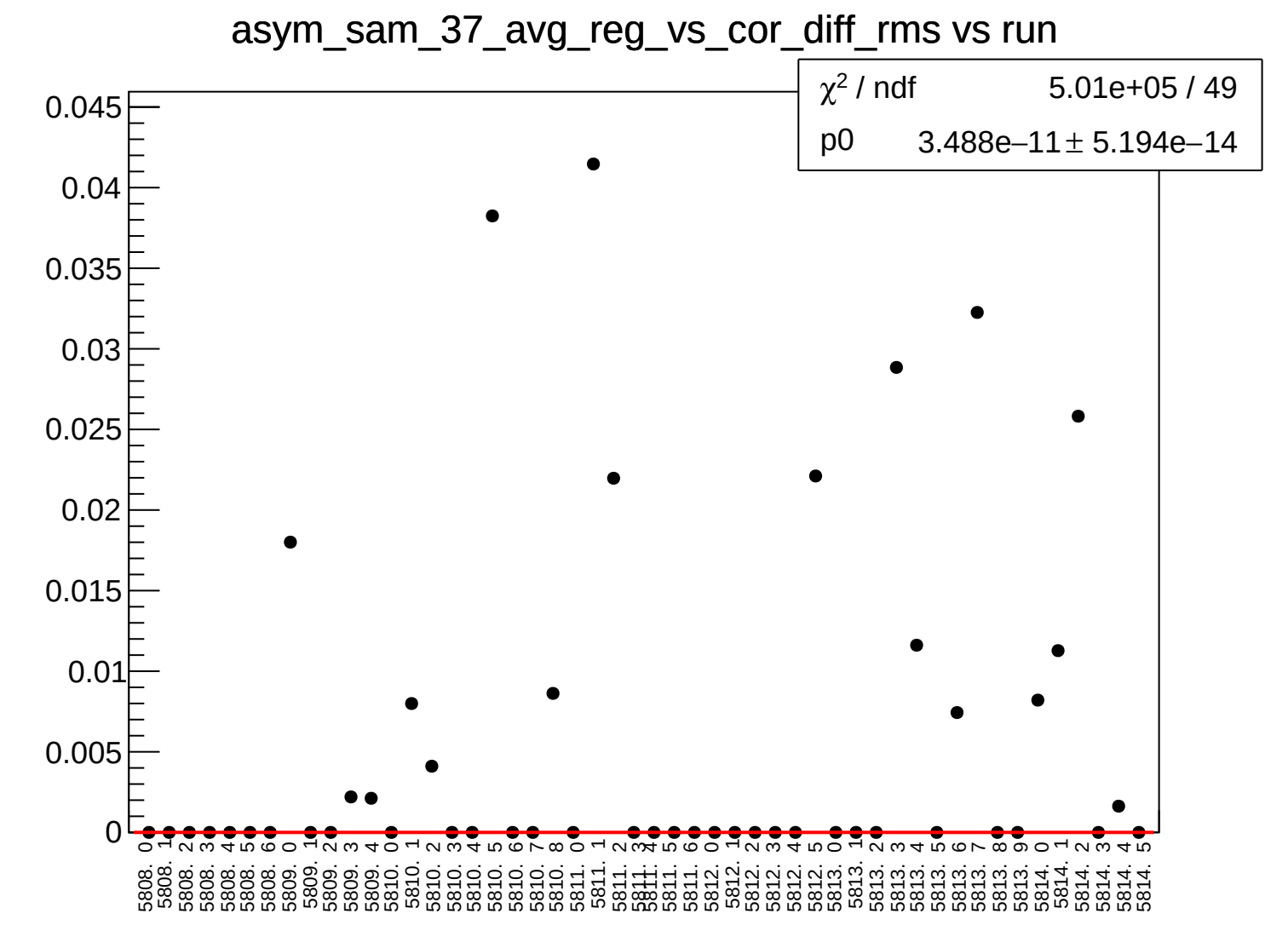

asym_sam_37_avg_eigen_dit_correction_rms vs run
χ² / ndf 4739 / 49
p0 761.5 ± 0.7824
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

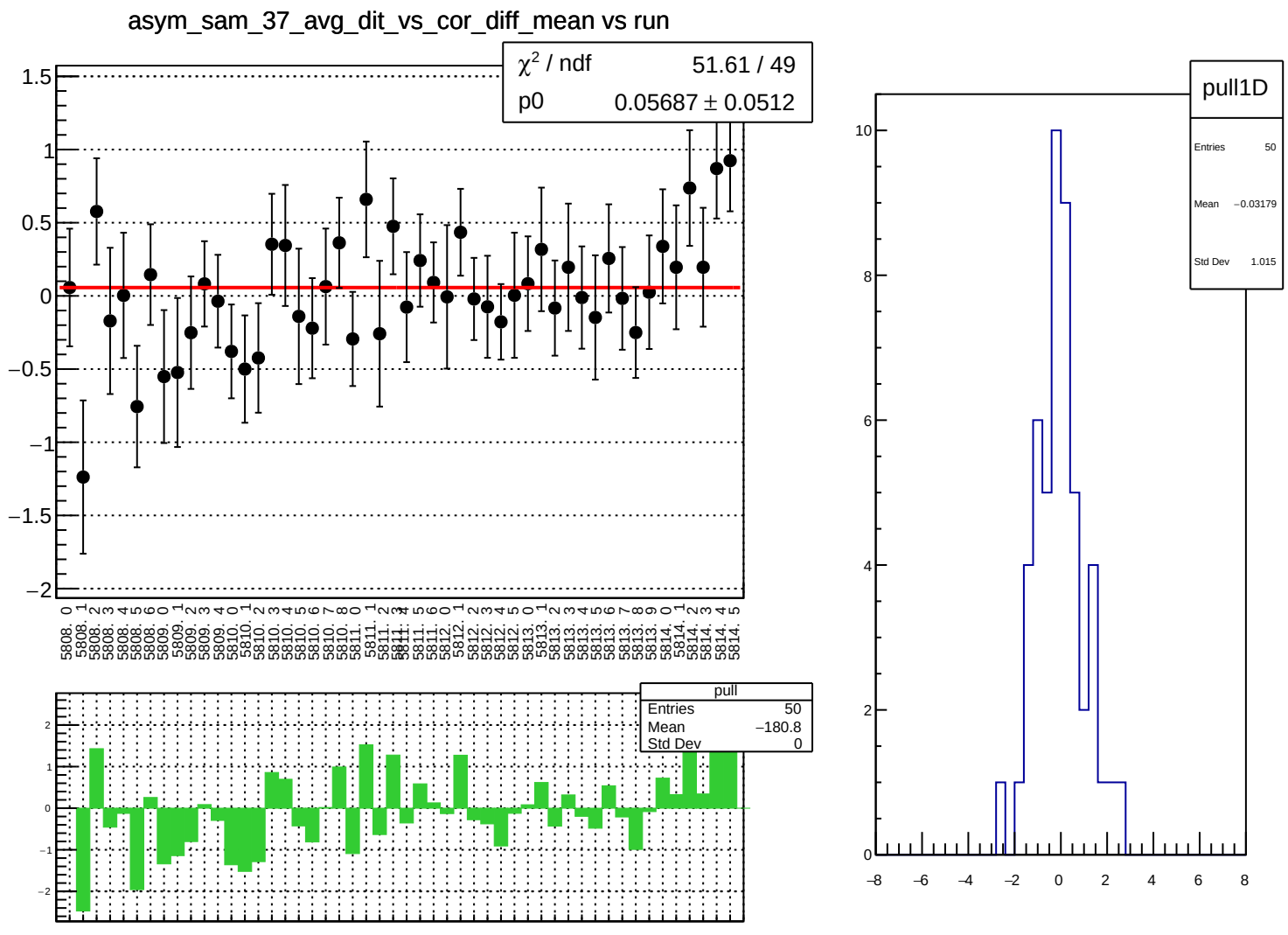

asym_sam_37_avg_mean vs run
χ² / ndf 58.25 / 49
p0 2315 ± 1147
pull
Entries 50
Mean −238.2
Std Dev 0

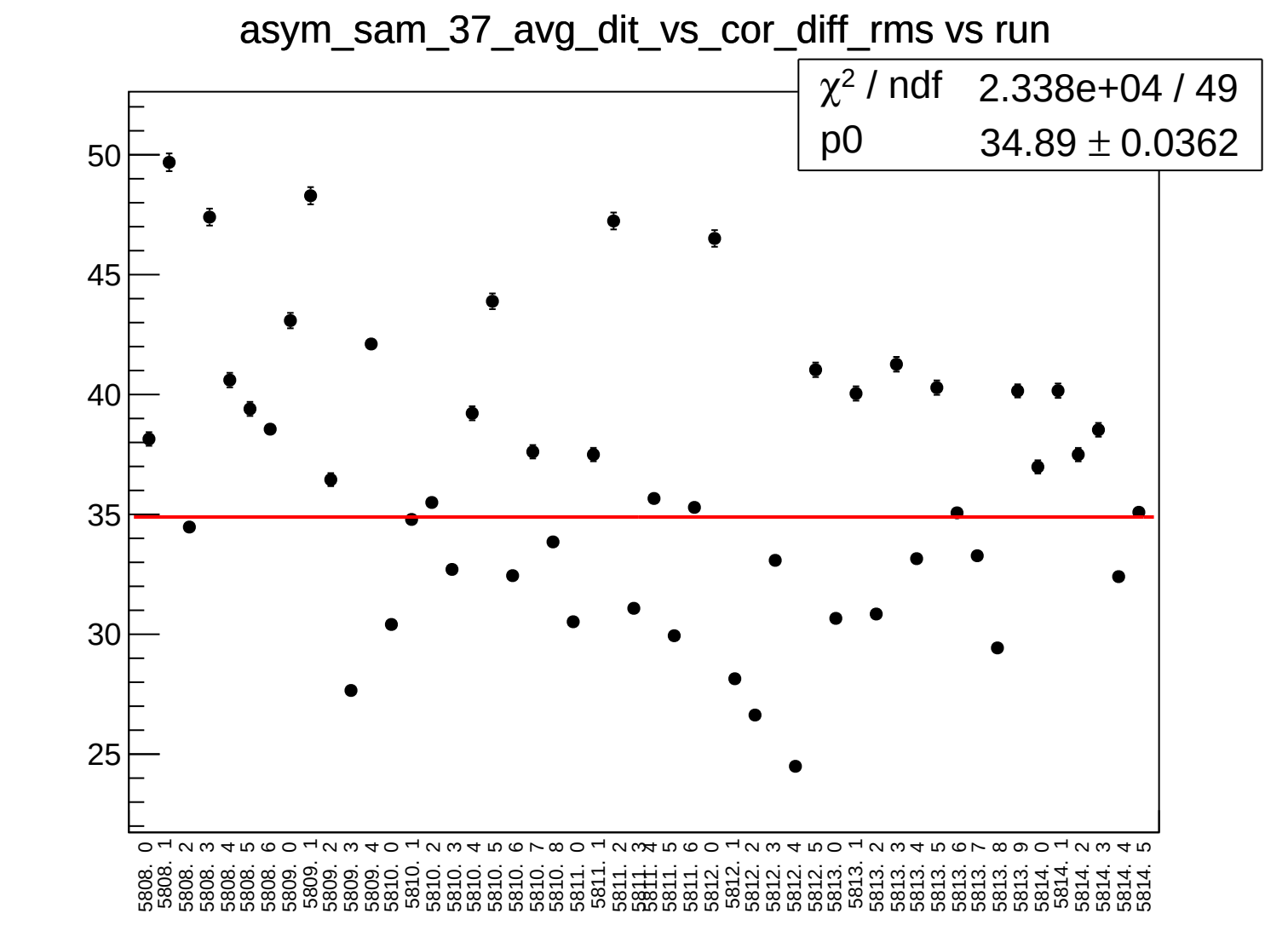

pull1D
Entries 50
Mean −0.01566
Std Dev 1.079

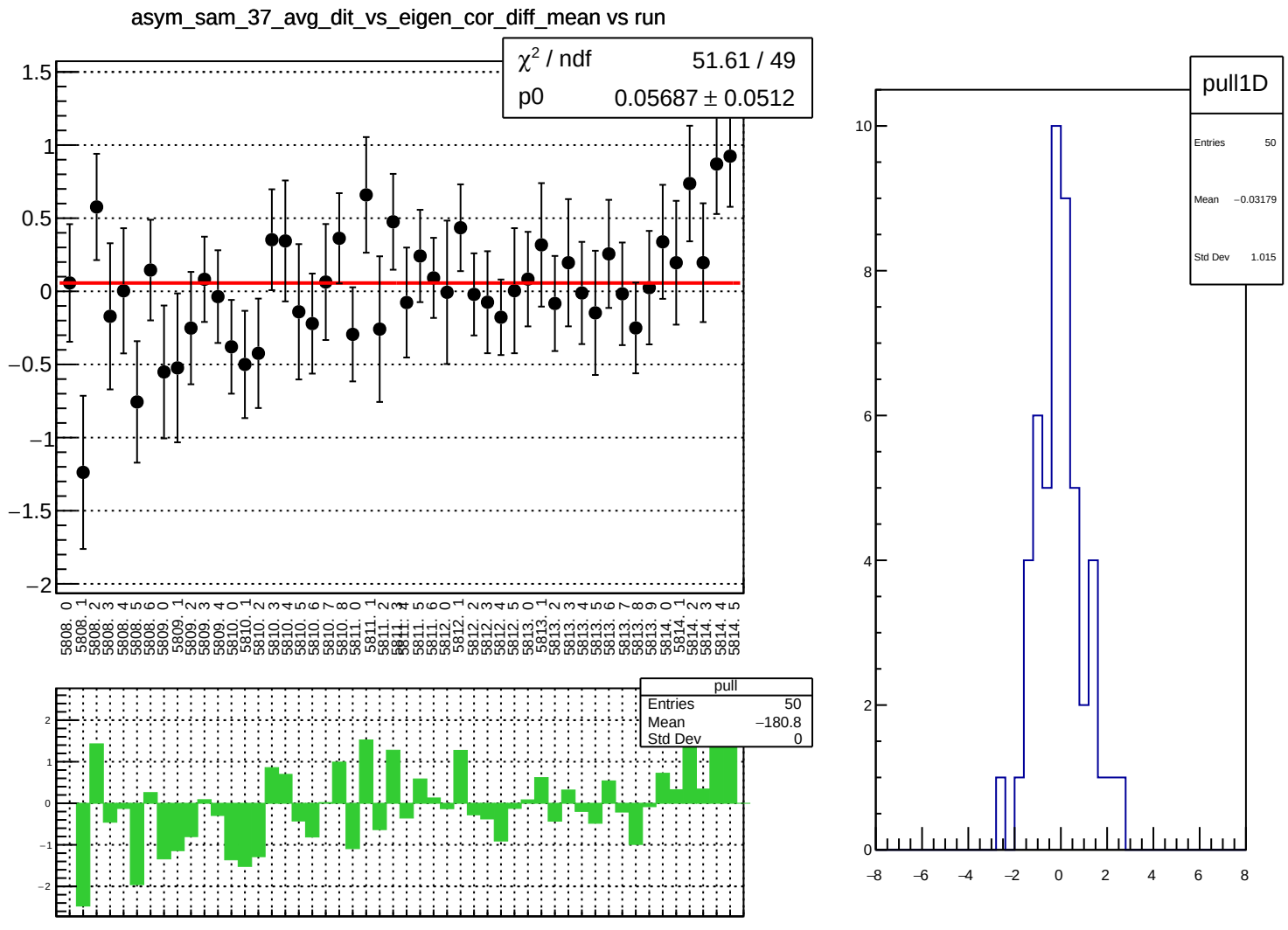

asym_sam_37_avg_rms vs run
χ² / ndf 4769 / 49
p0 789.4 ± 0.8111
900
850
800
750
700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

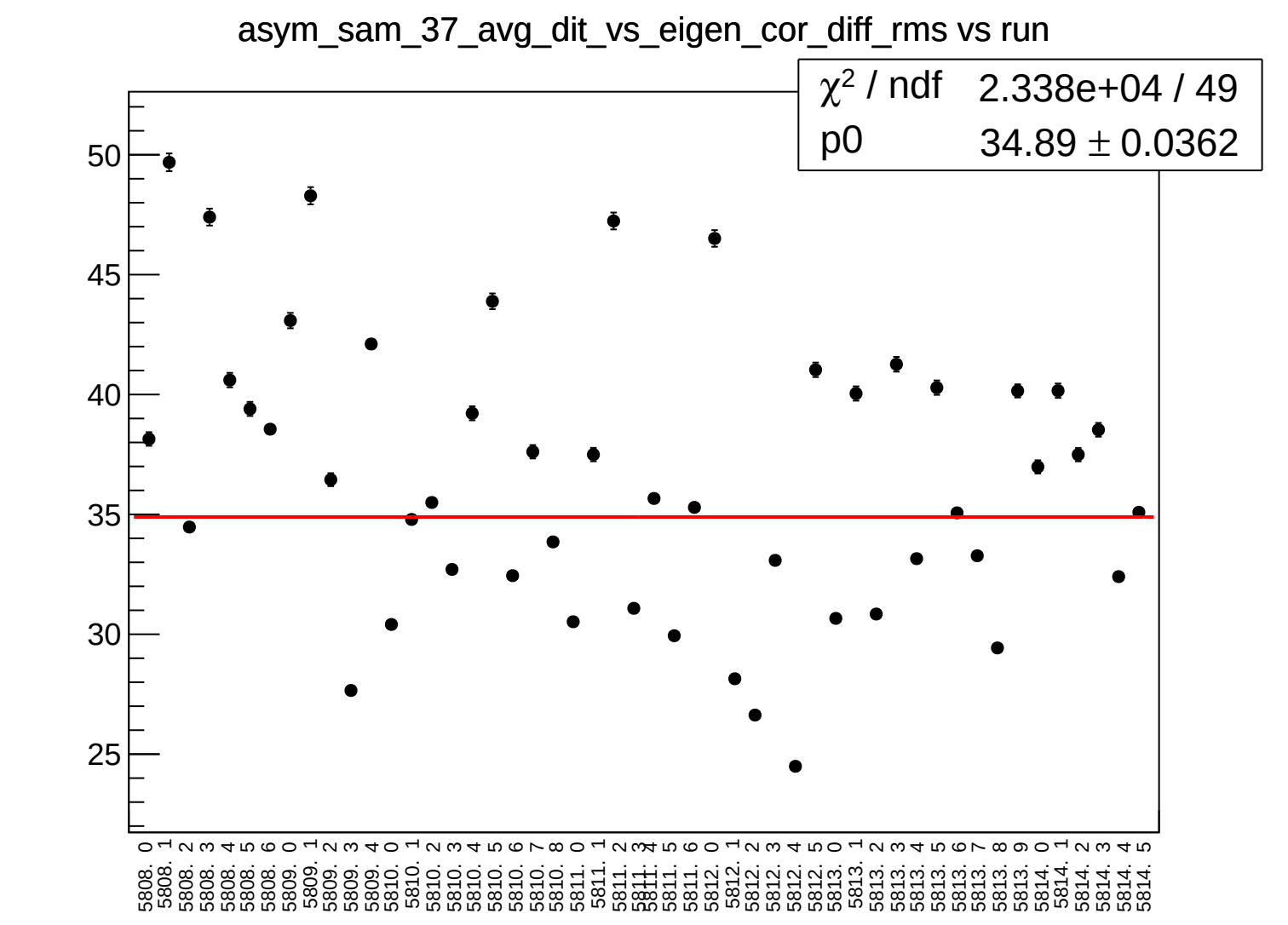

asym_sam_37_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.21 / 49
p0 4.564e−14 ± 7.345e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −9.358
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.07505
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

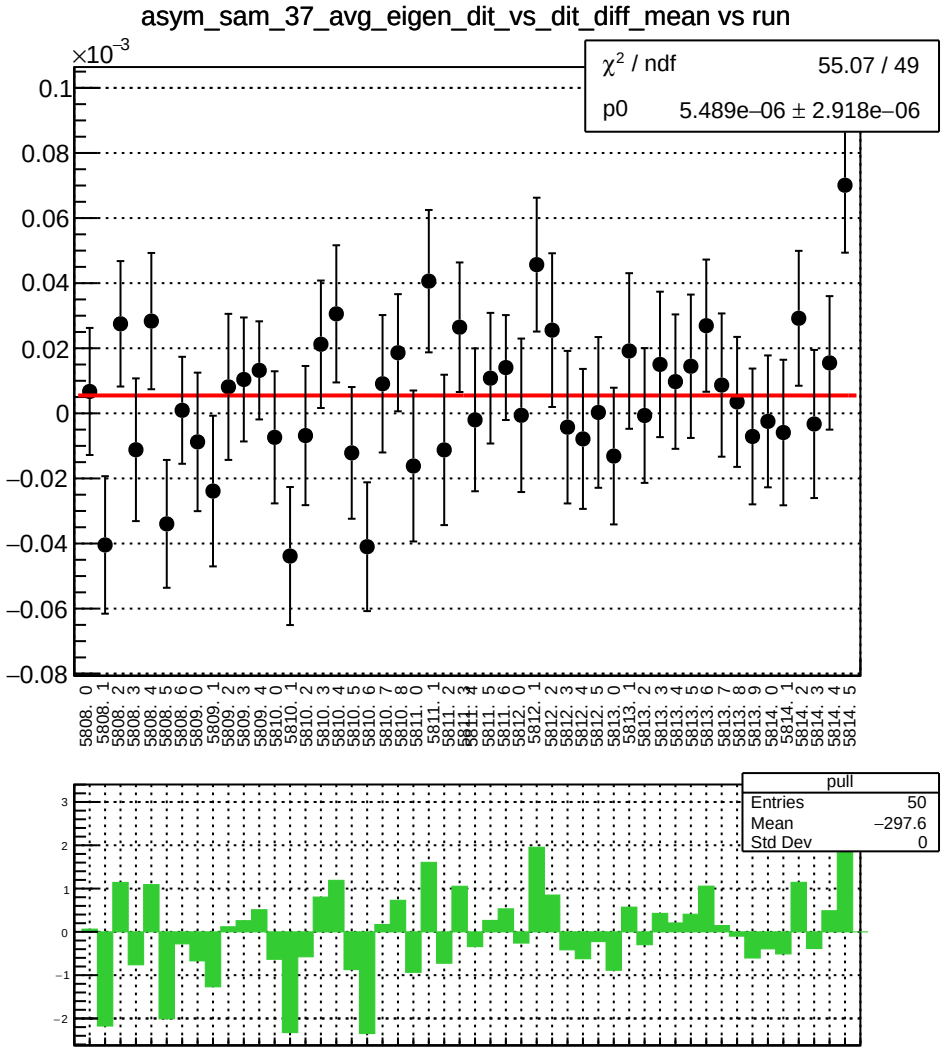

asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.01e+05 / 49
p0 3.488e−11 ± 5.194e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

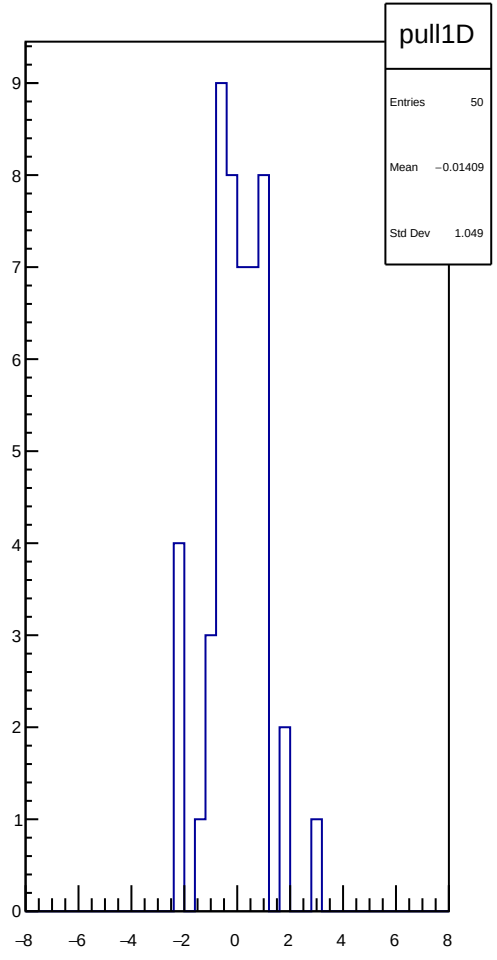

asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.61 / 49
p0 0.05687 ± 0.0512
pull
Entries 50
Mean −180.8
Std Dev 0
pull1D
Entries 50
Mean −0.03179
Std Dev 1.015

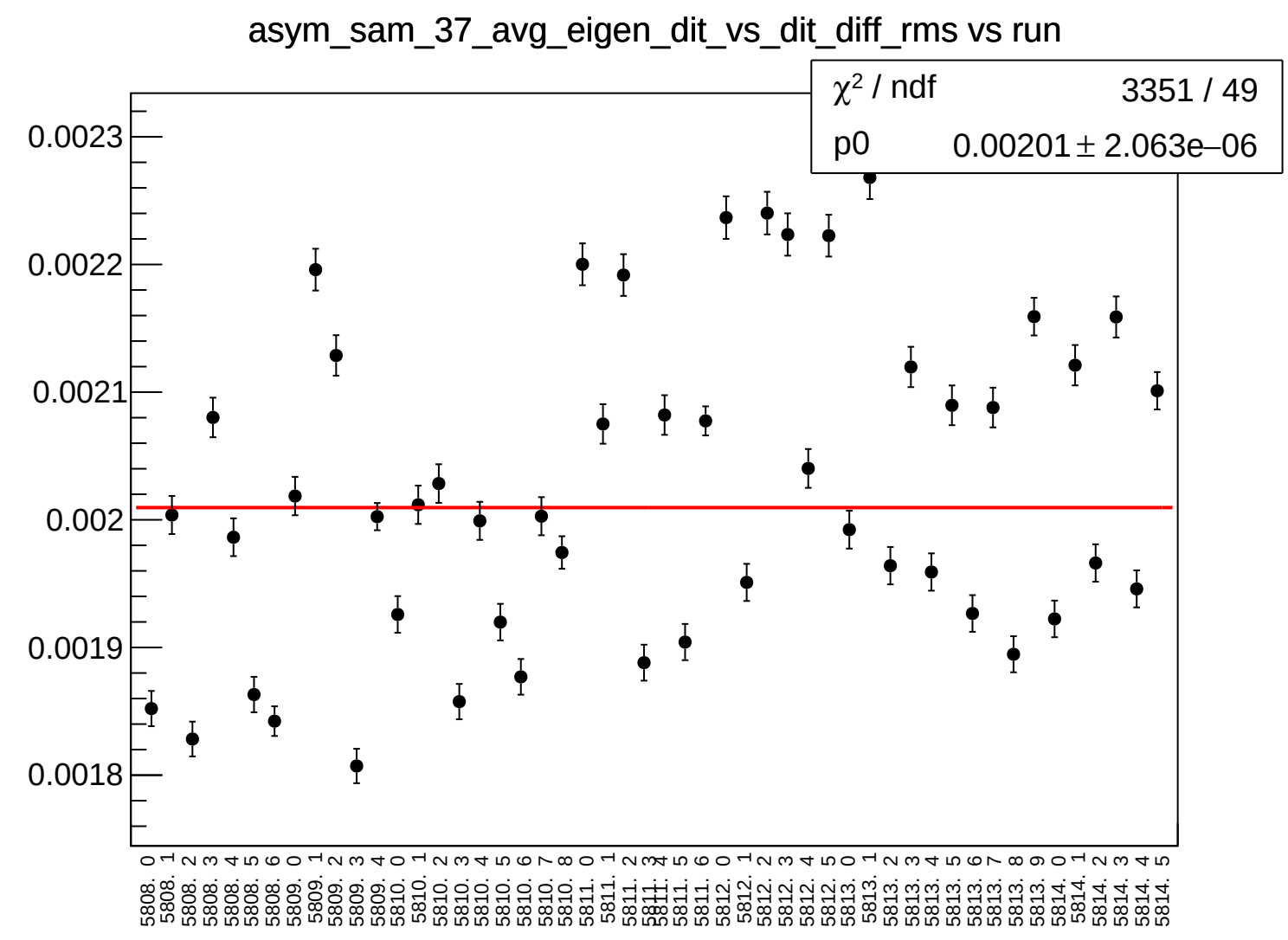

asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.338e+04 / 49
p0 34.89 ± 0.0362
50
45
40
35
30
25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

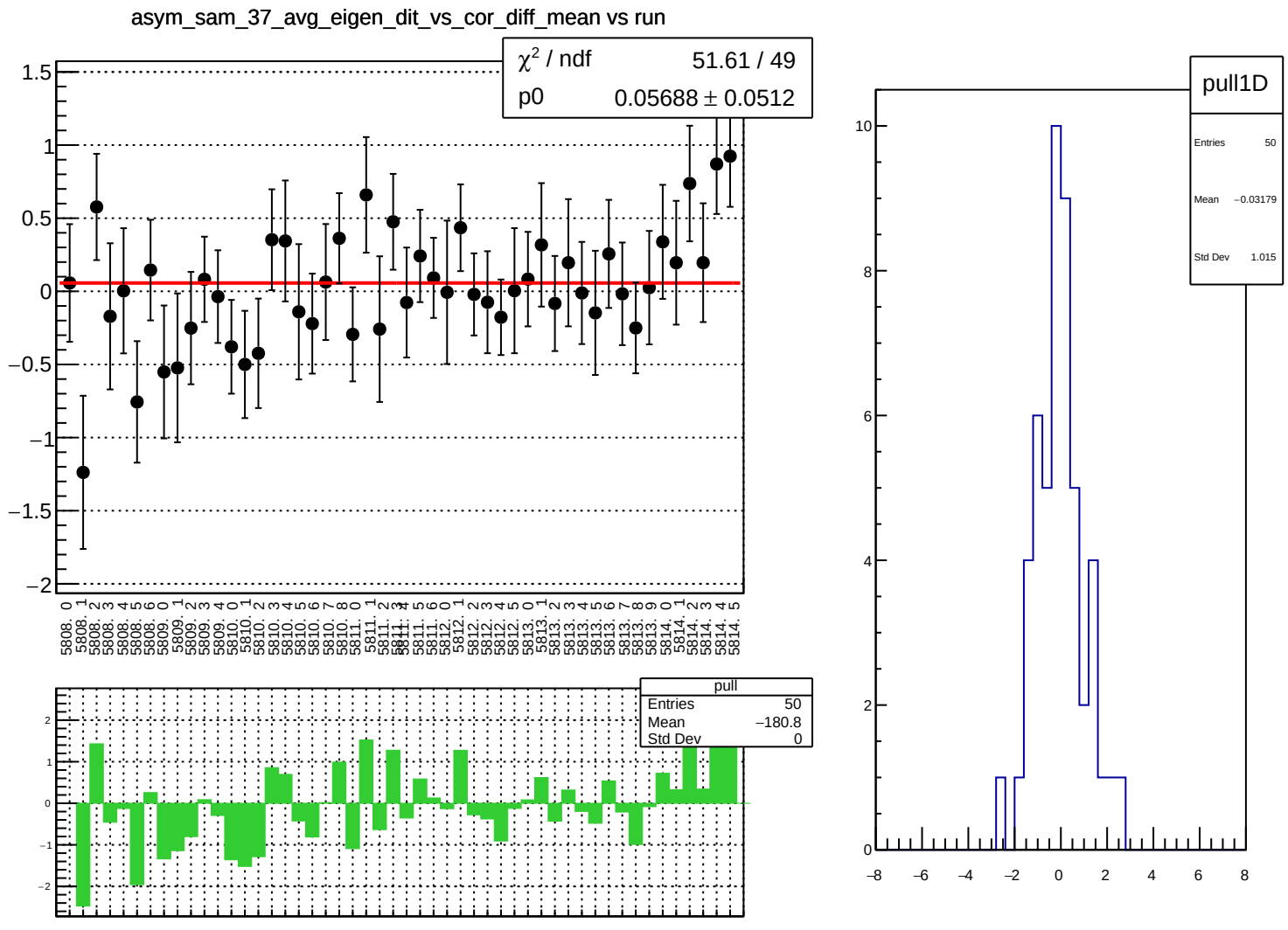

asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.61 / 49
p0 0.05687 ± 0.0512
pull
Entries 50
Mean −180.8
Std Dev 0
pull1D
Entries 50
Mean −0.03179
Std Dev 1.015

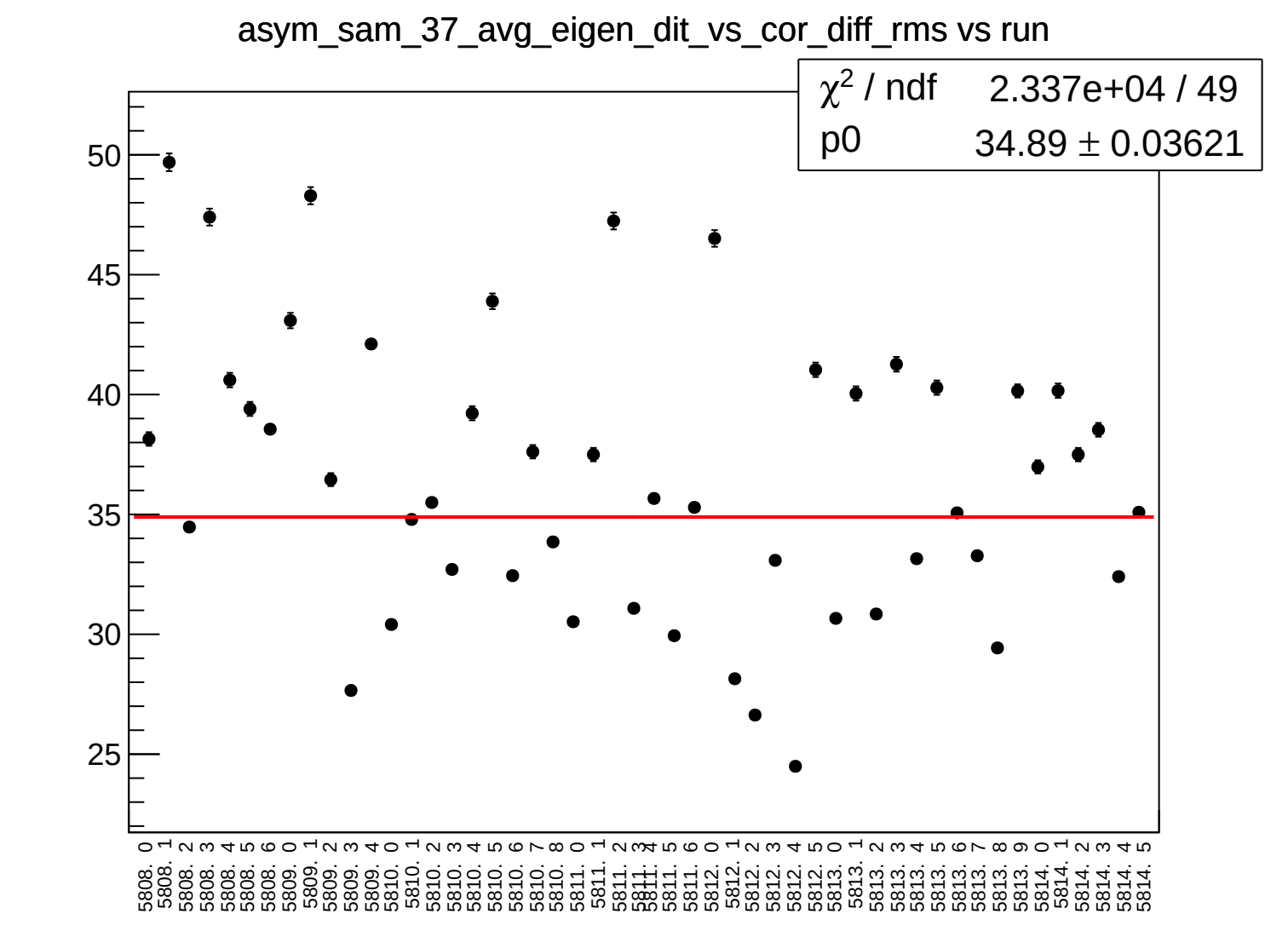

asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.338e+04 / 49
p0 34.89 ± 0.0362
50
45
40
35
30
25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.07 / 49
p0 5.489e−06 ± 2.918e−06
pull
Entries 50
Mean −297.6
Std Dev 0


pull1D
Entries 50
Mean −0.01409
Std Dev 1.049


asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3351 / 49
p0 0.00201 ± 2.063e–06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.61 / 49
p0 0.05688 ± 0.0512
pull
Entries 50
Mean −180.8
Std Dev 0
pull1D
Entries 50
Mean −0.03179
Std Dev 1.015


asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.337e+04 / 49
p0 34.89 ± 0.03621
50
45
40
35
30
25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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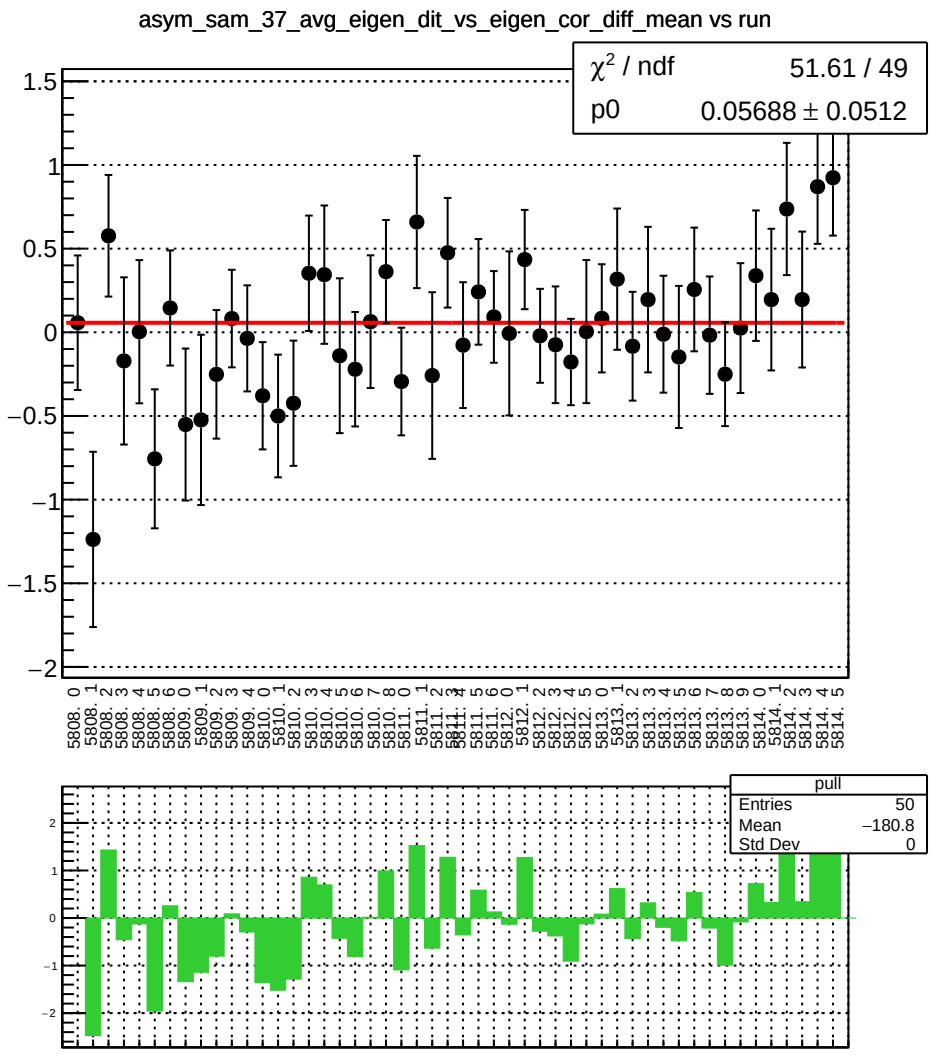
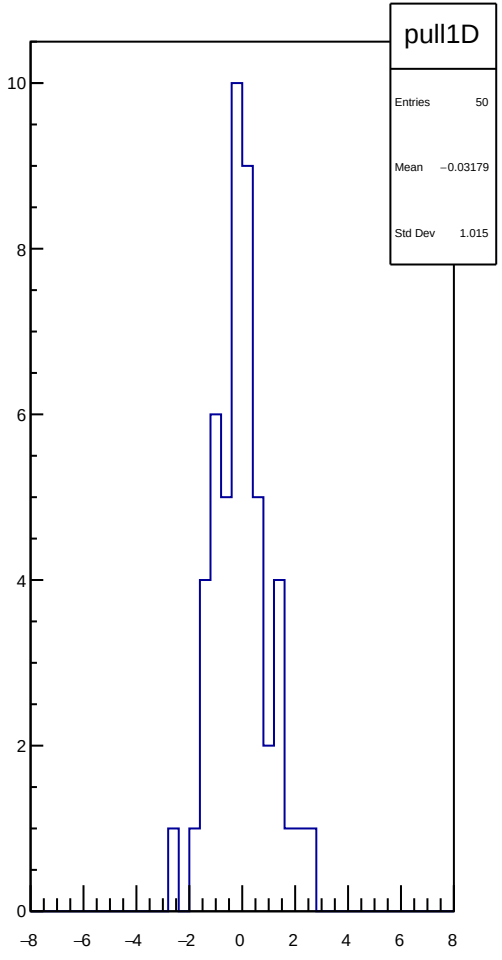
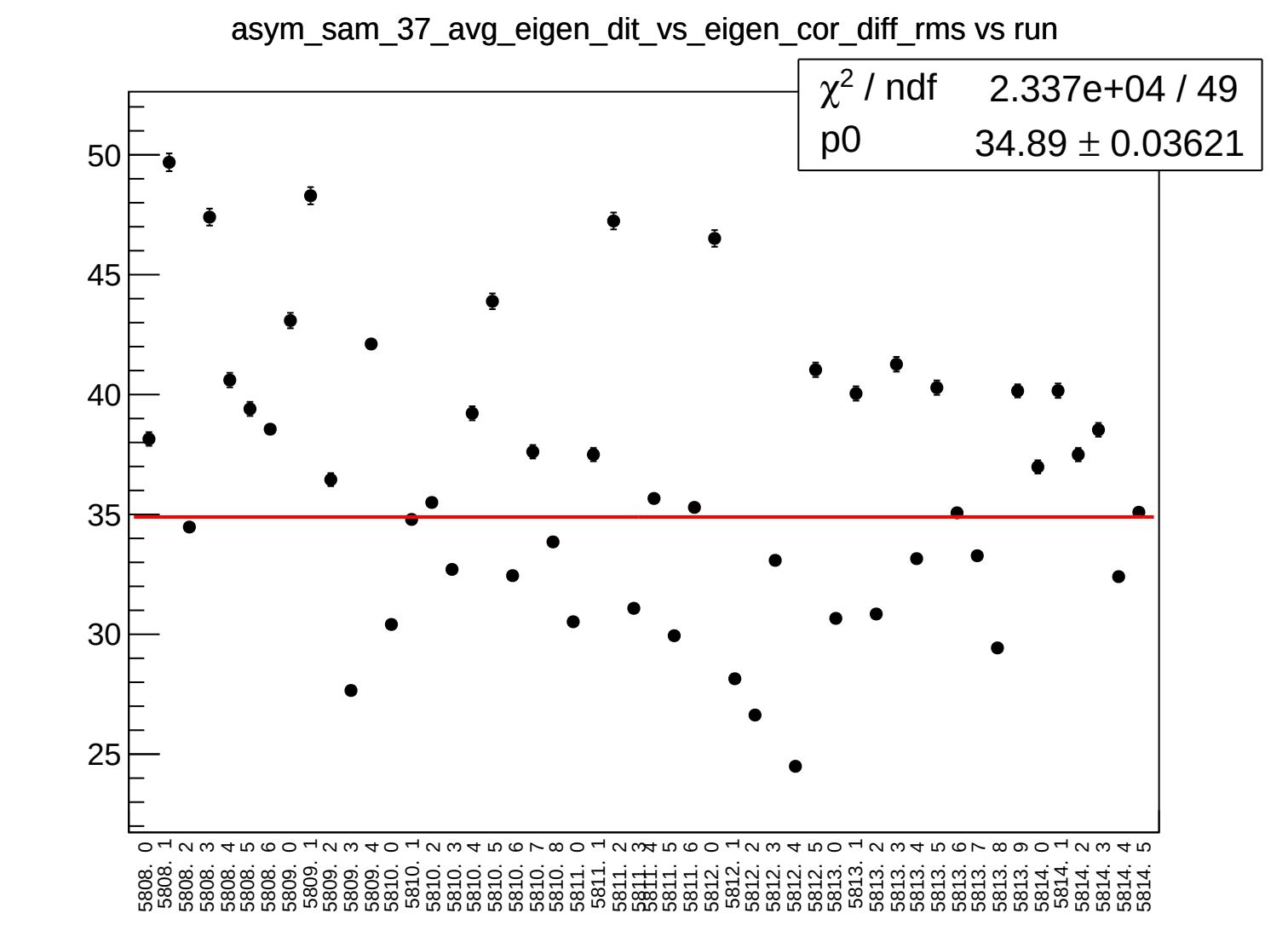
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.61 / 49
p0 0.05688 ± 0.0512
pull
Entries 50
Mean −180.8
Std Dev 0


pull1D
Entries 50
Mean −0.03179
Std Dev 1.015


asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 2.337e+04 / 49
p0 34.89 ± 0.03621
50
45
40
35
30
25
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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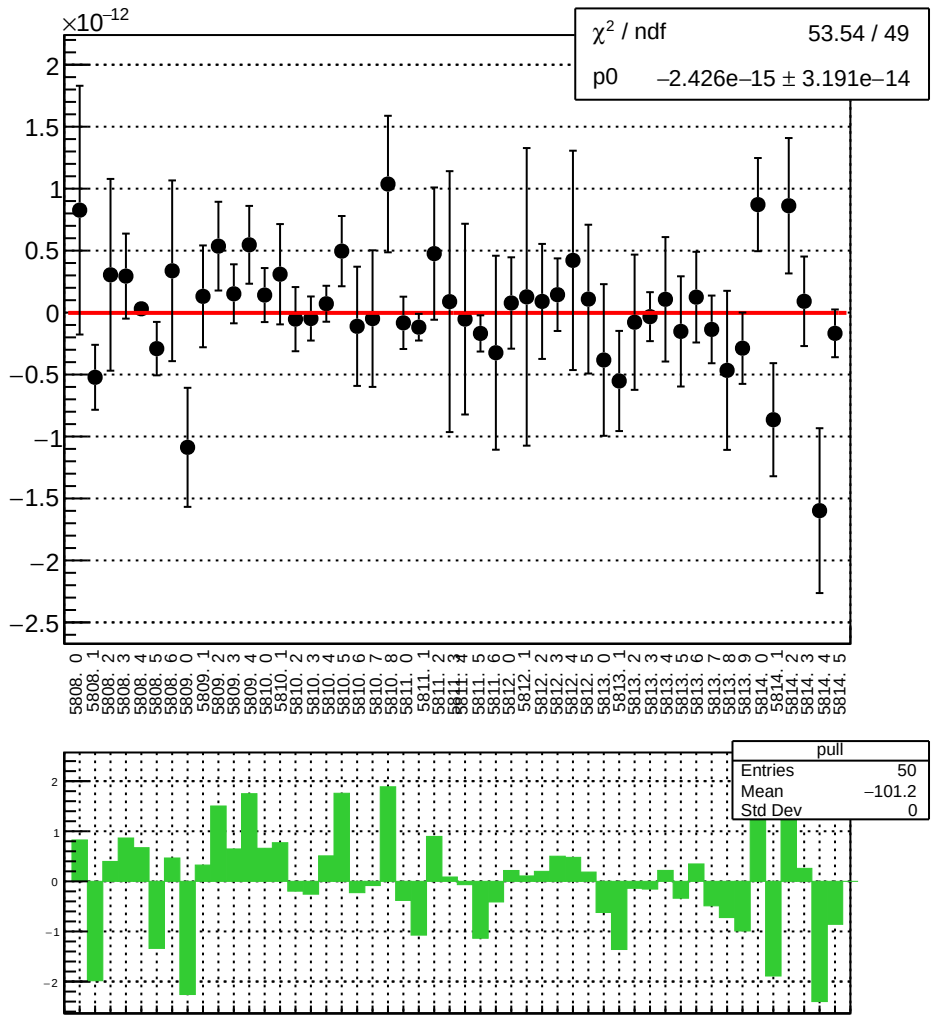
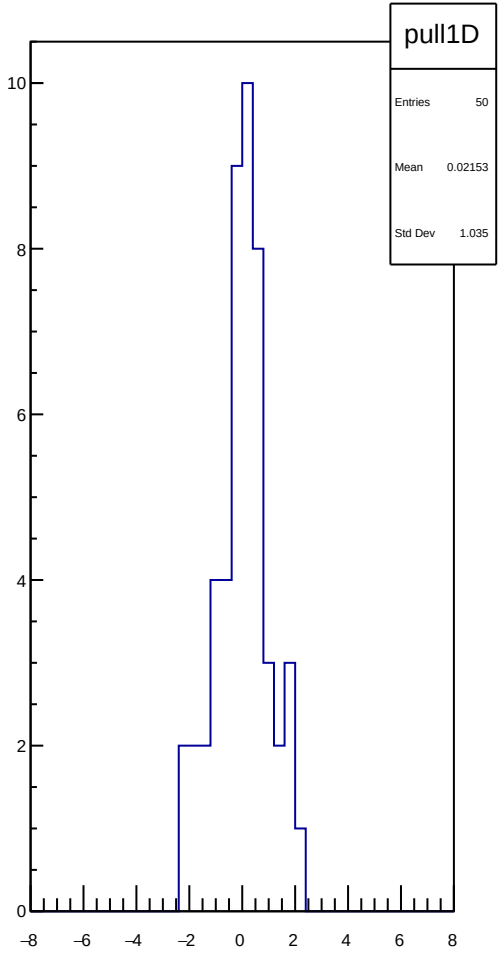
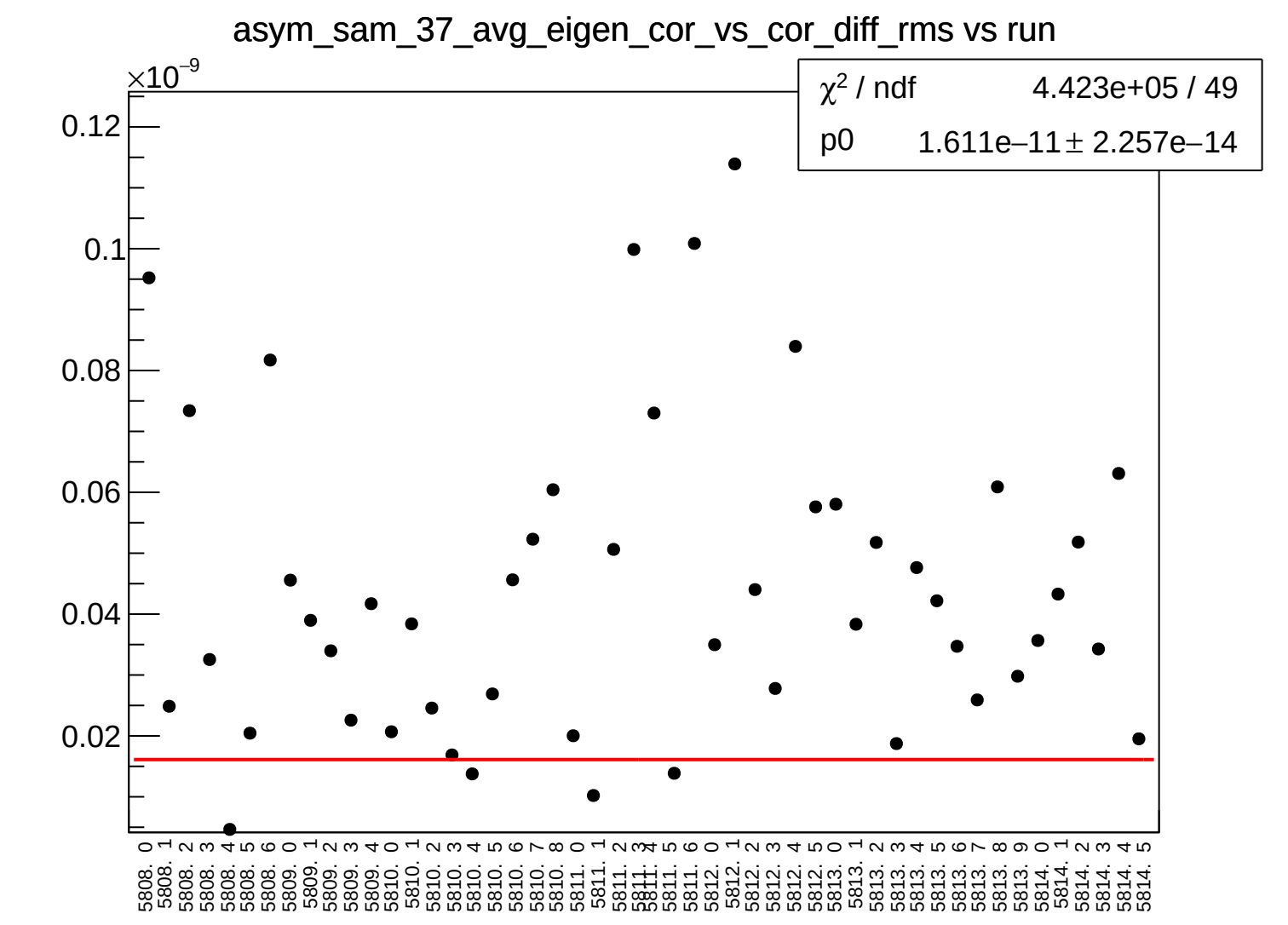
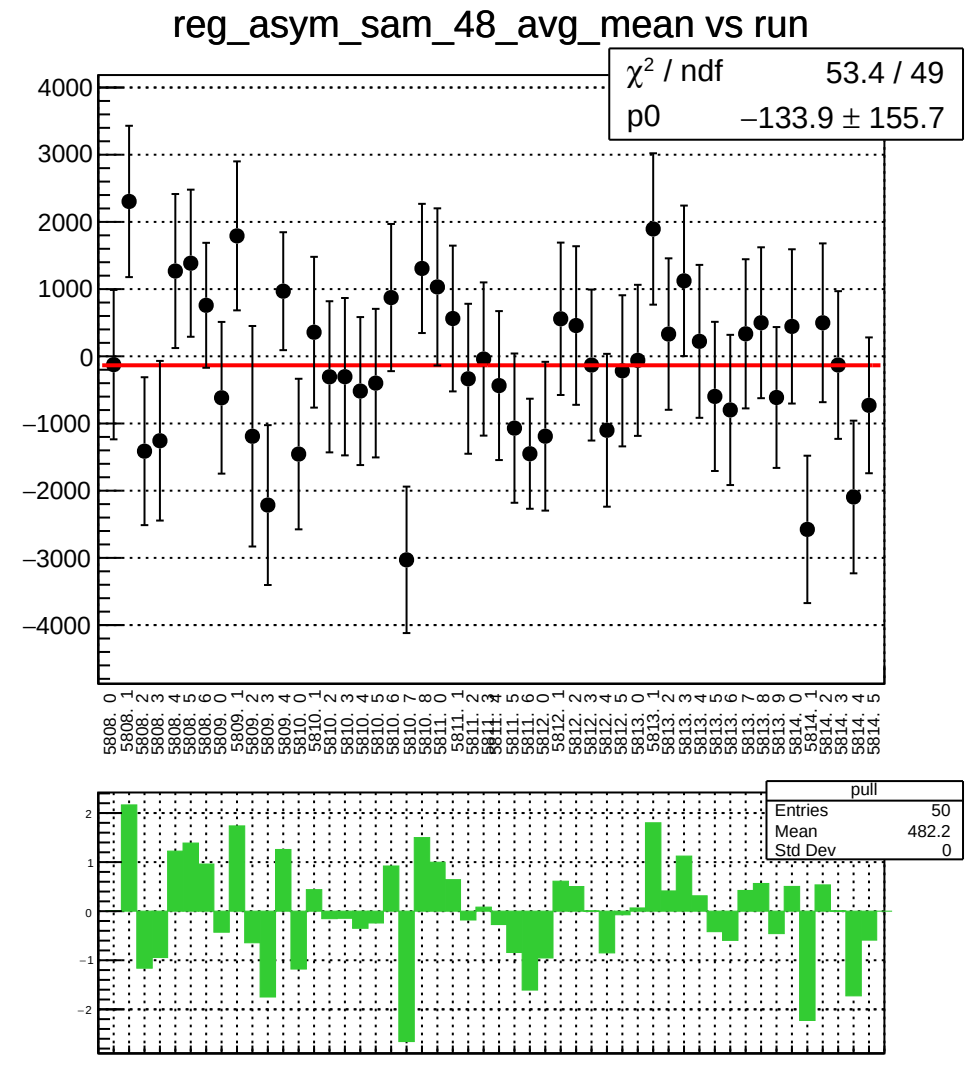
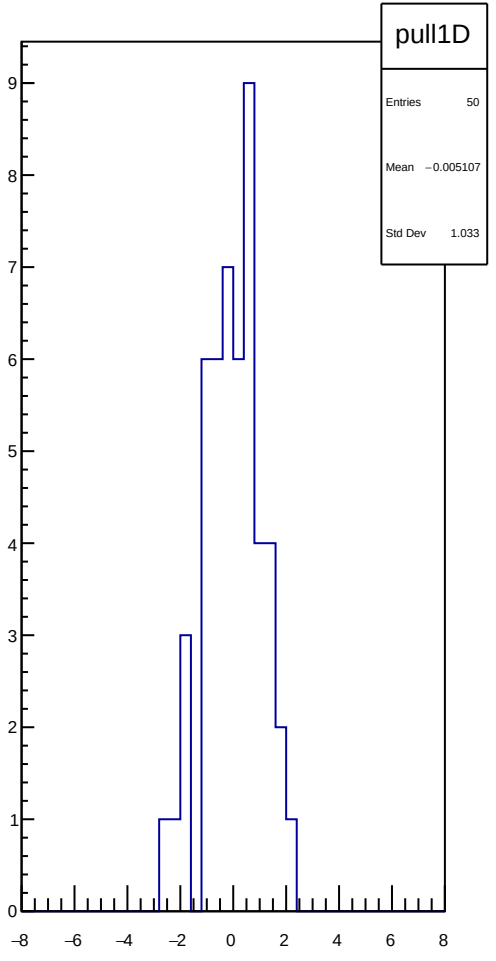
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

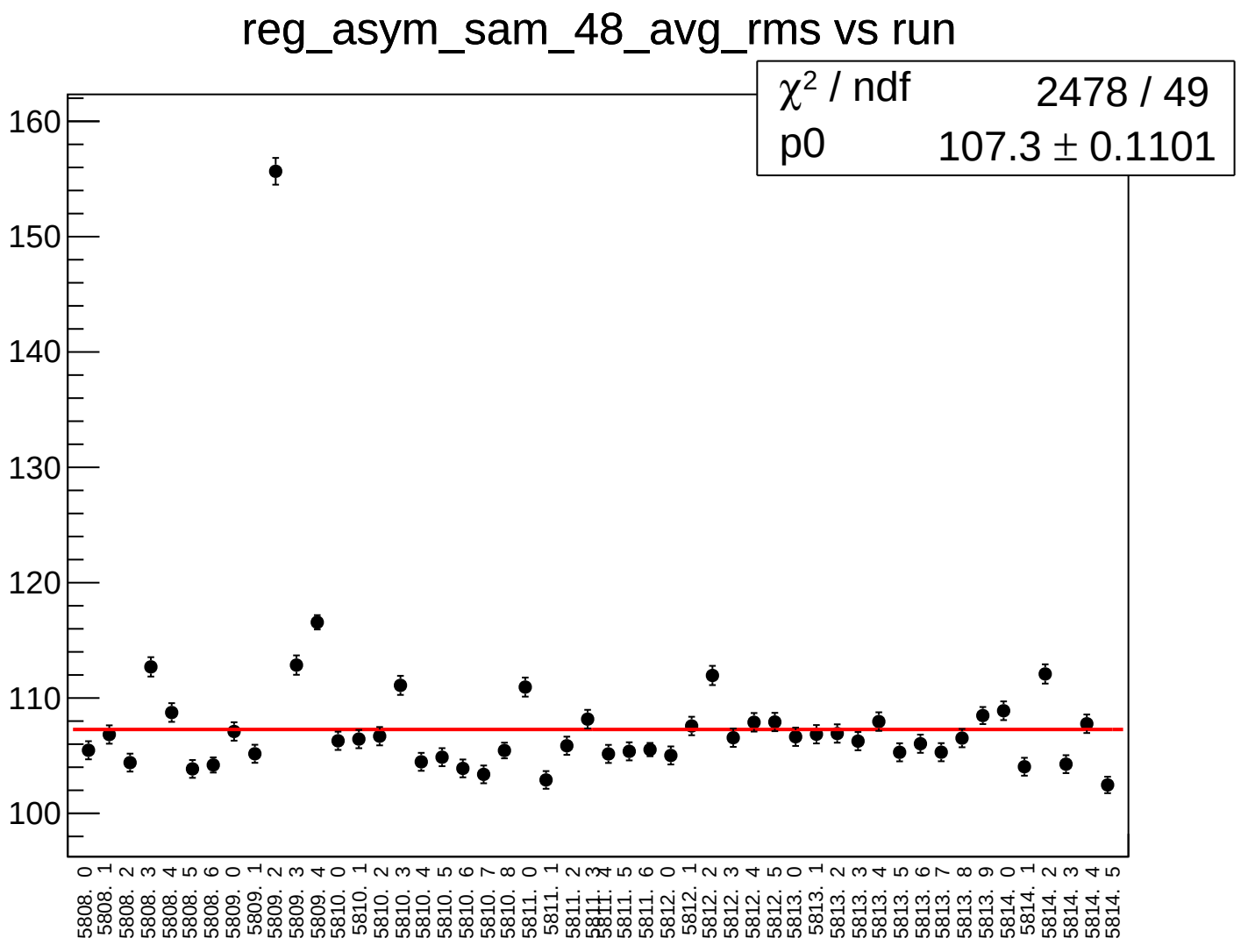

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.54 / 49
p0 −2.426e−15 ± 3.191e−14
pull
Entries 50
Mean −101.2
Std Dev 0

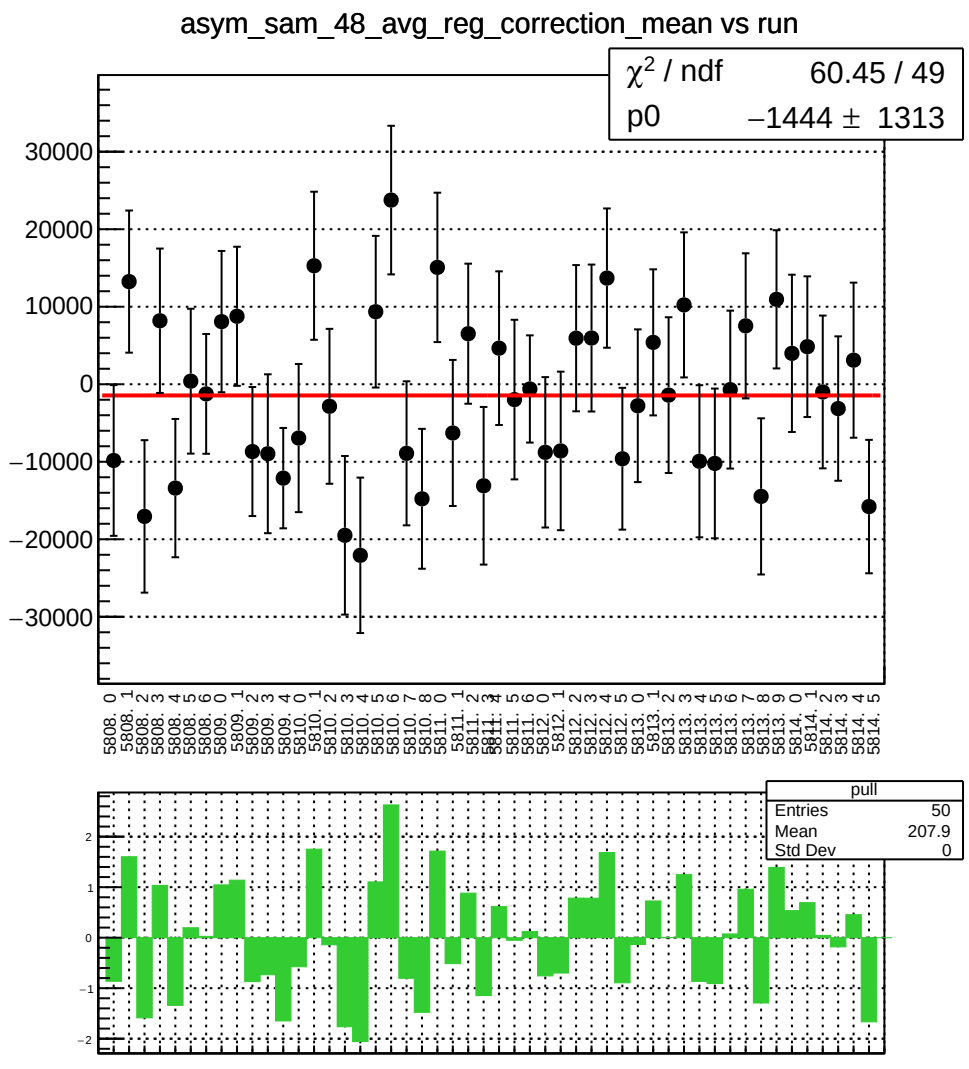

pull1D
Entries 50
Mean 0.02153
Std Dev 1.035

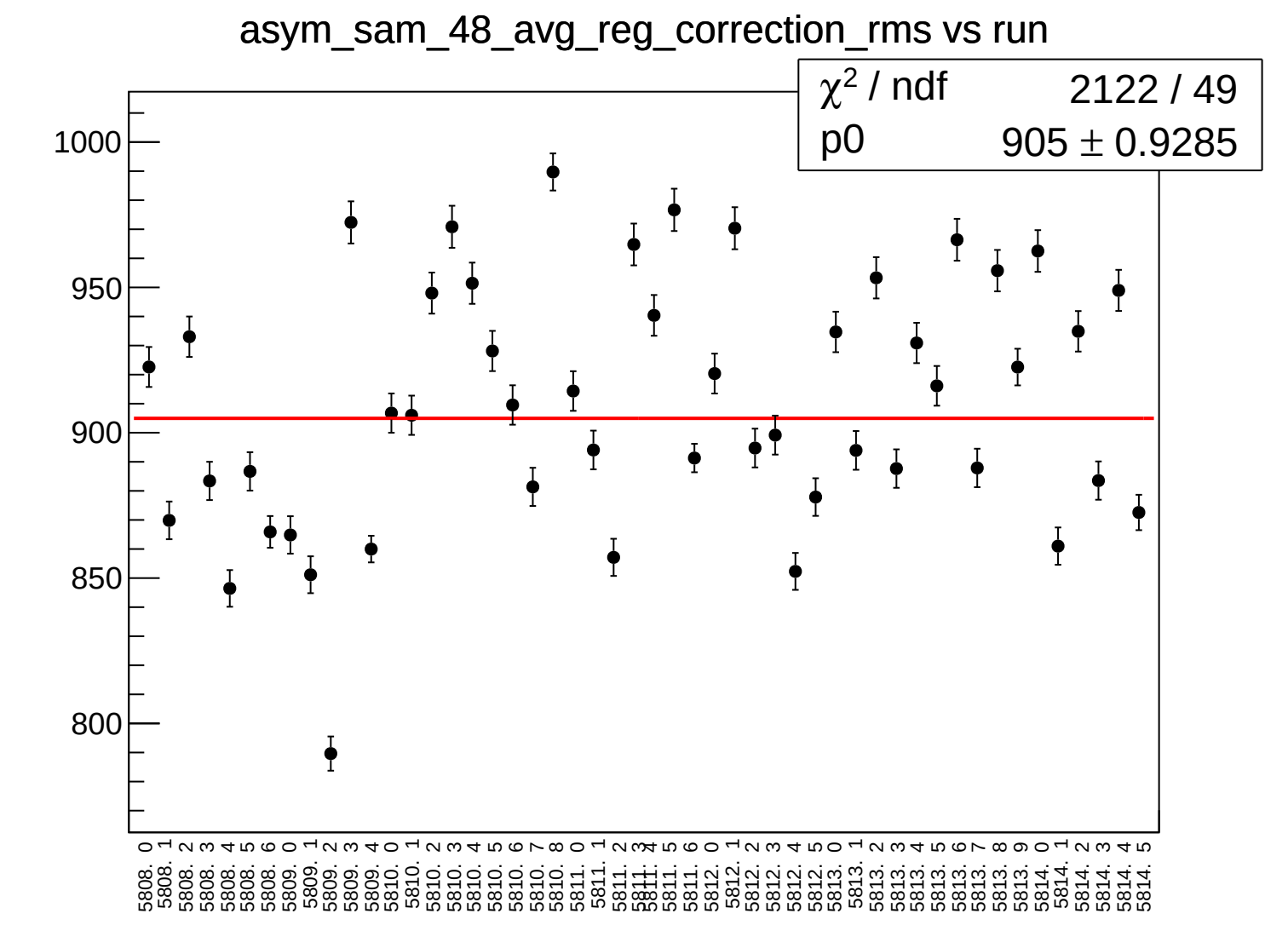

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.423e+05 / 49
p0 1.611e−11 ± 2.257e−14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

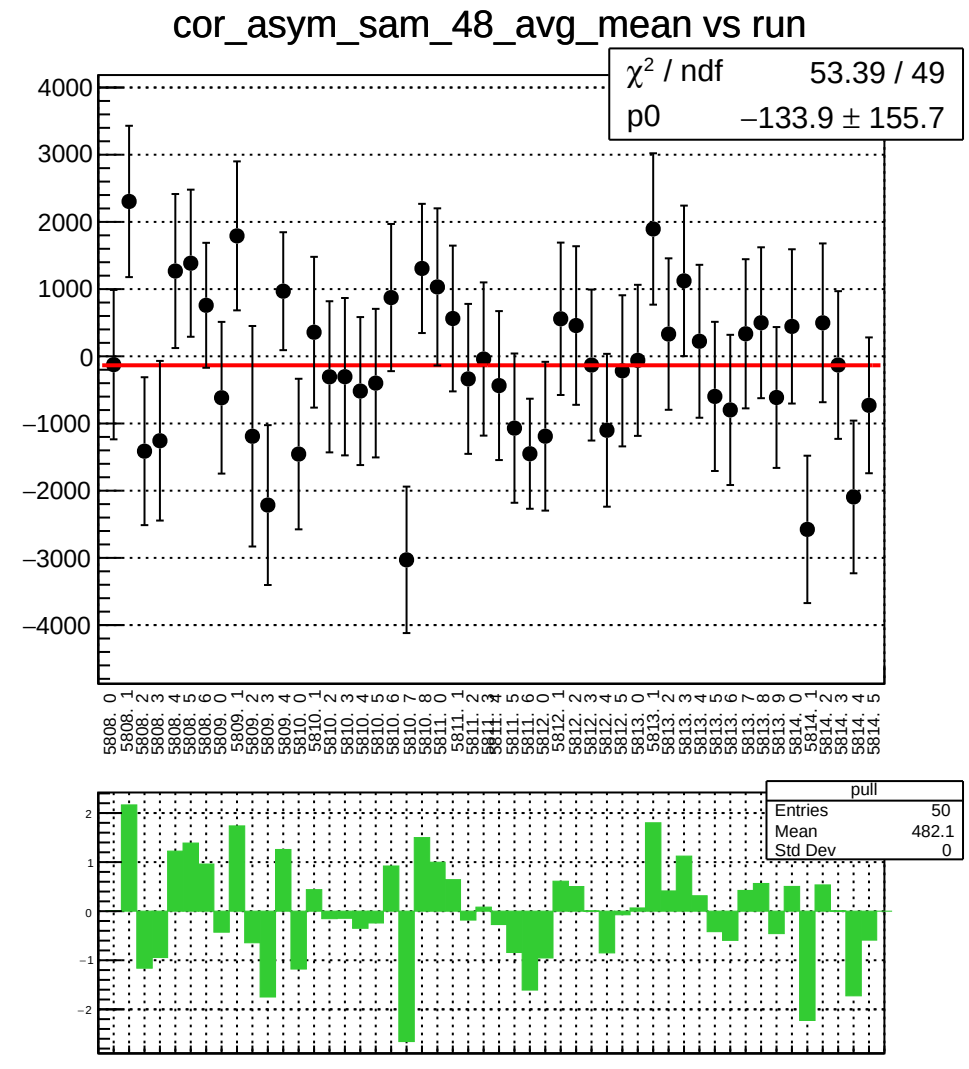

reg_asym_sam_48_avg_mean vs run
χ² / ndf 53.4 / 49
p0 −133.9 ± 155.7
pull
Entries 50
Mean 482.2
Std Dev 0

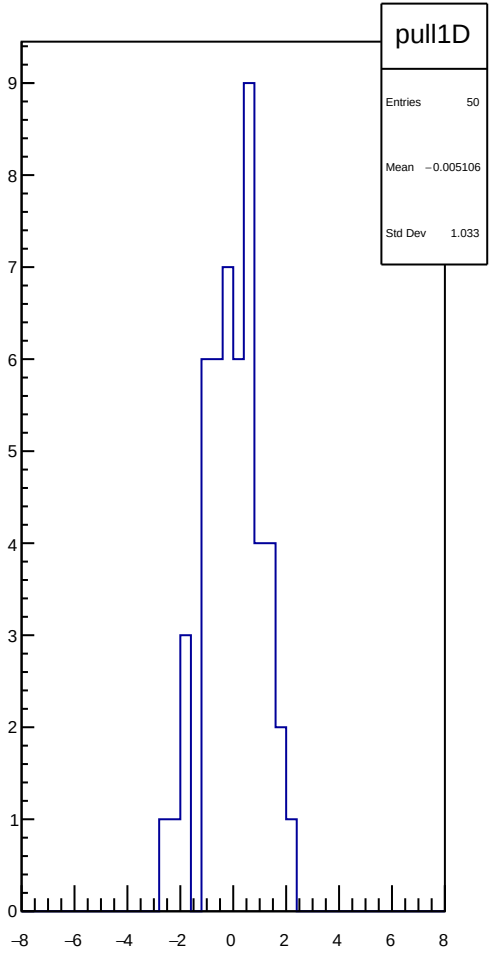

pull1D
Entries 50
Mean −0.005107
Std Dev 1.033

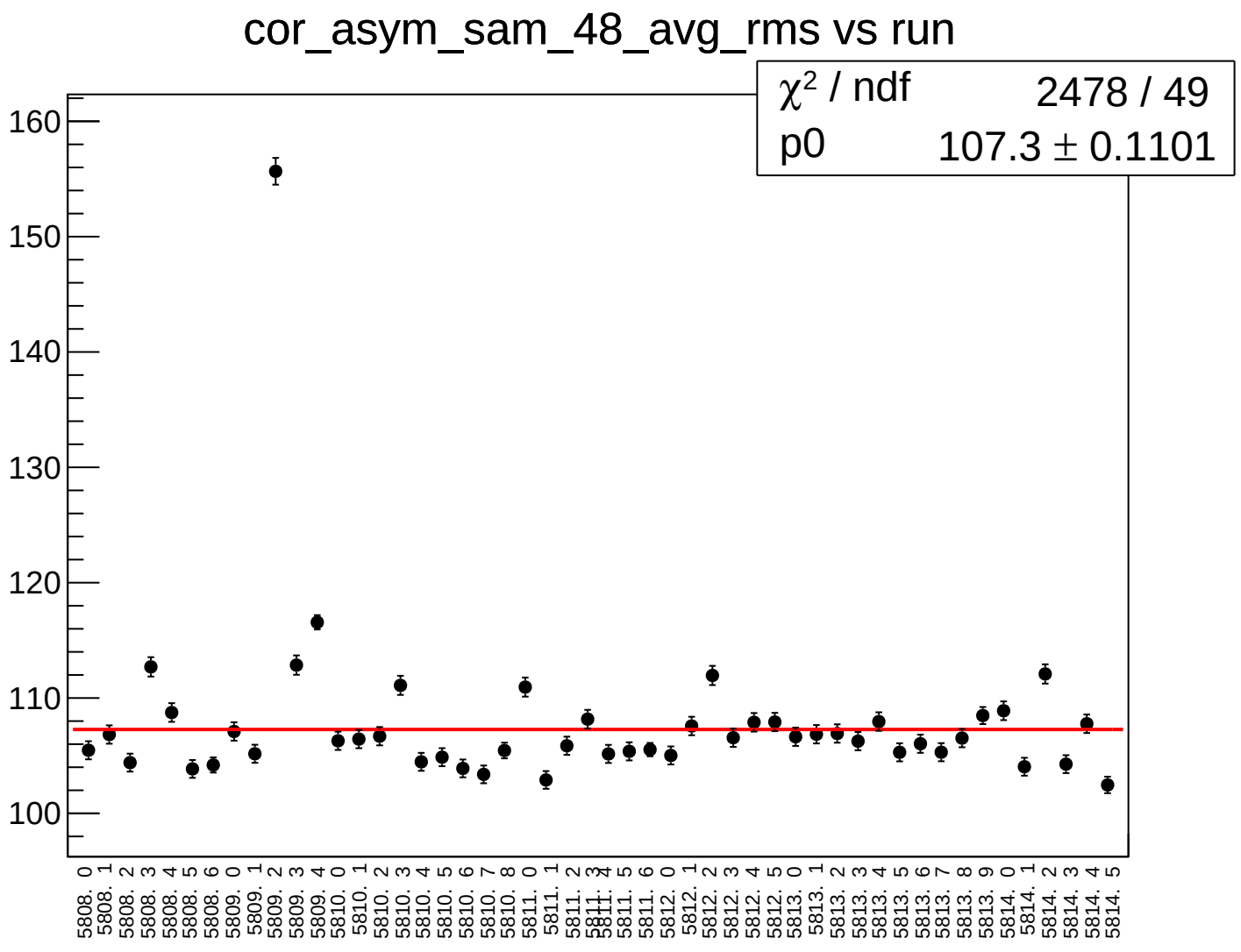

reg_asym_sam_48_avg_rms vs run
χ² / ndf 2478 / 49
p0 107.3 ± 0.1101
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

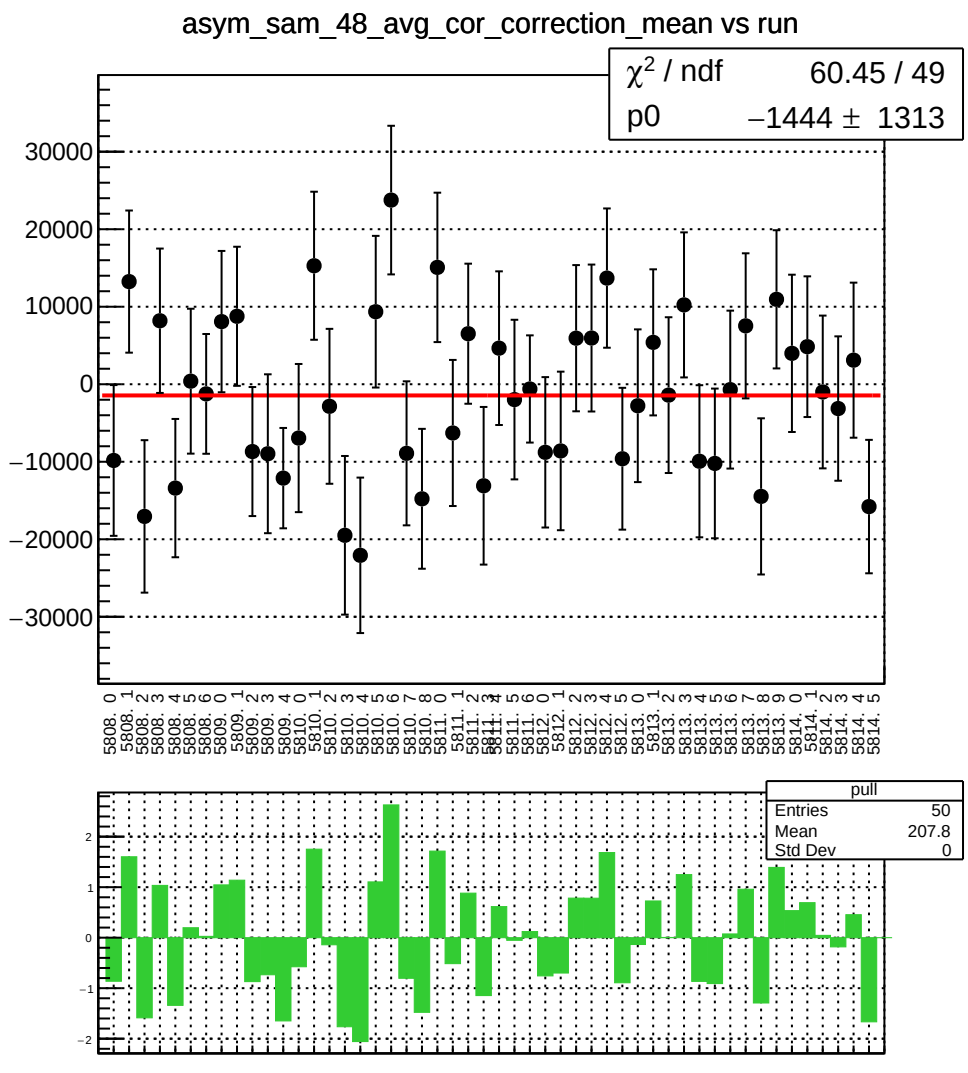

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 60.45 / 49
p0 −1444 ± 1313
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 207.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.005489
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

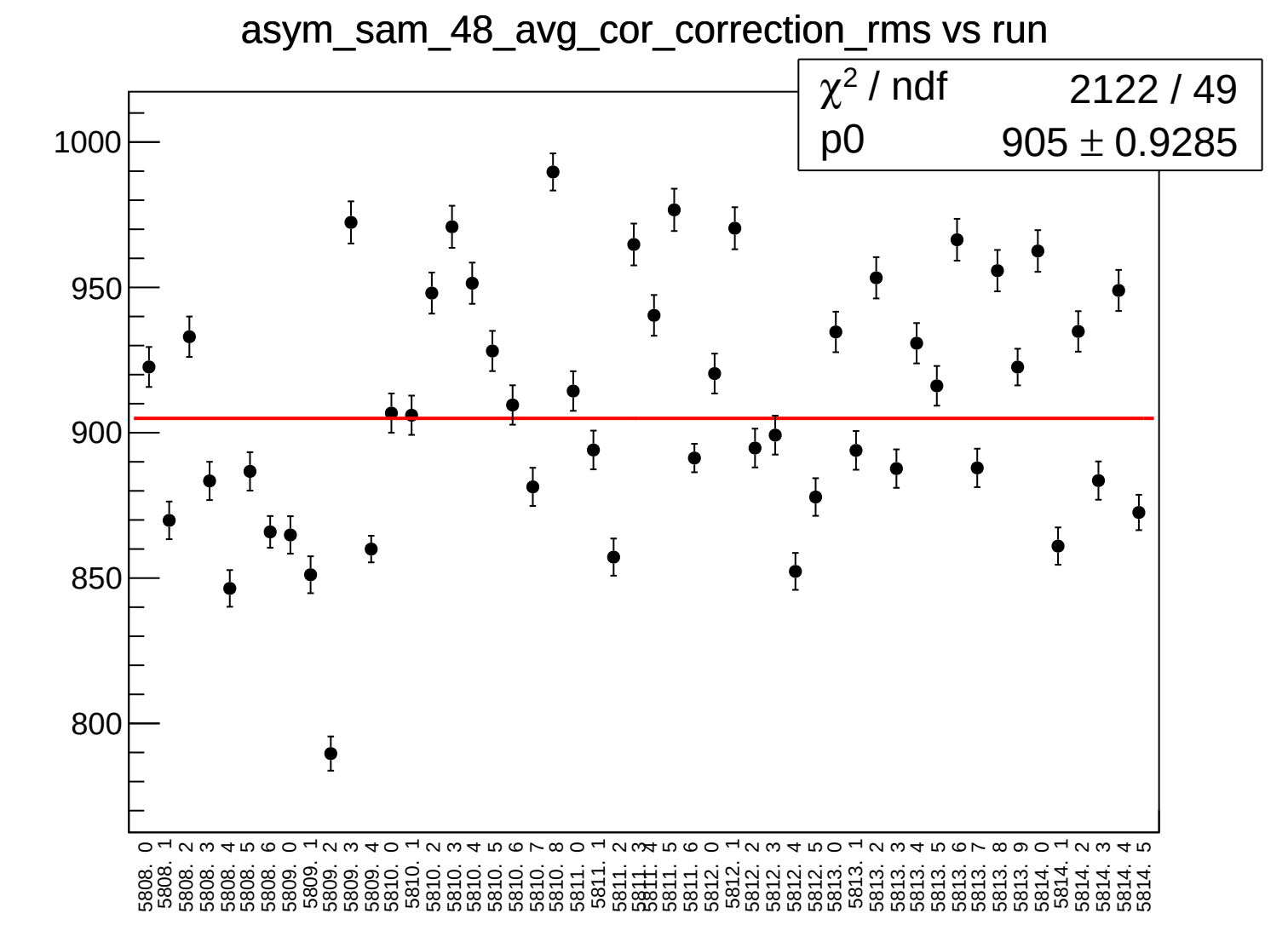

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 2122 / 49
p0 905 ± 0.9285
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

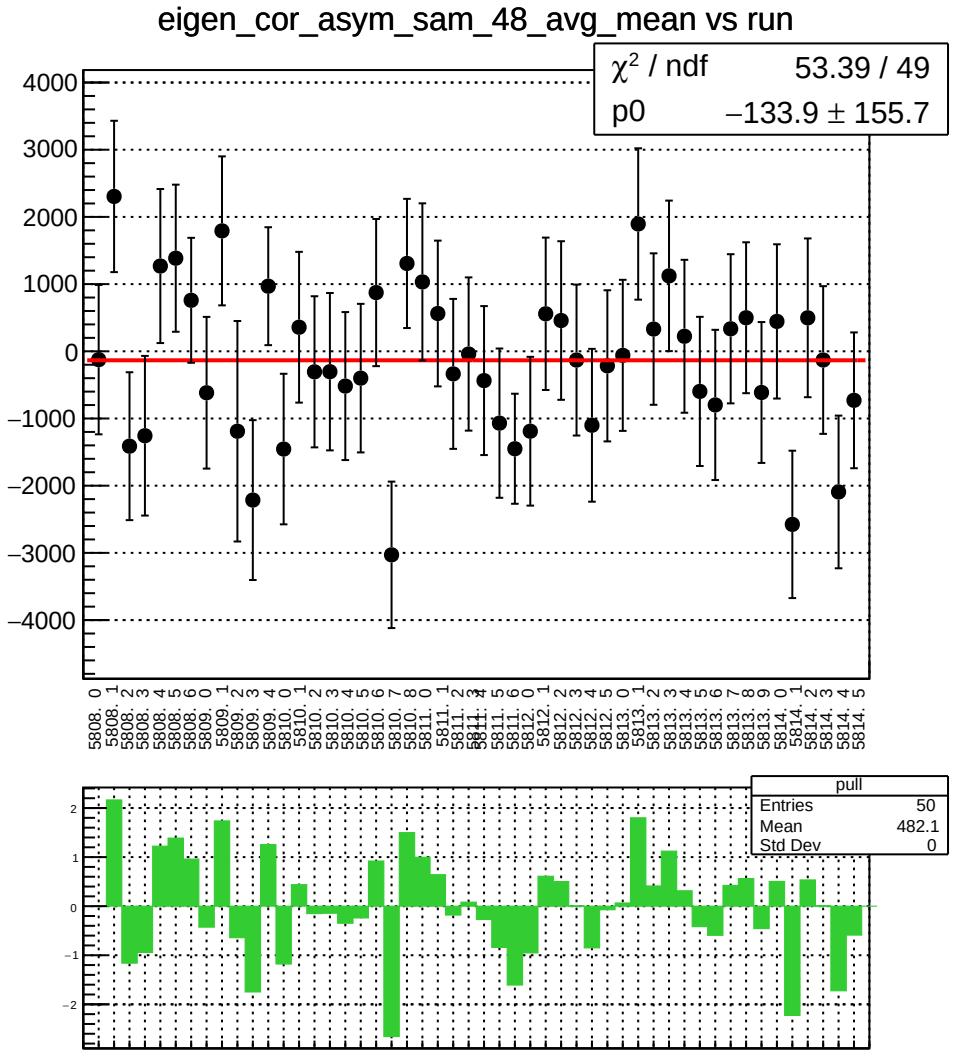

cor_asym_sam_48_avg_mean vs run
χ² / ndf 53.39 / 49
p0 −133.9 ± 155.7
pull
Entries 50
Mean 482.1
Std Dev 0

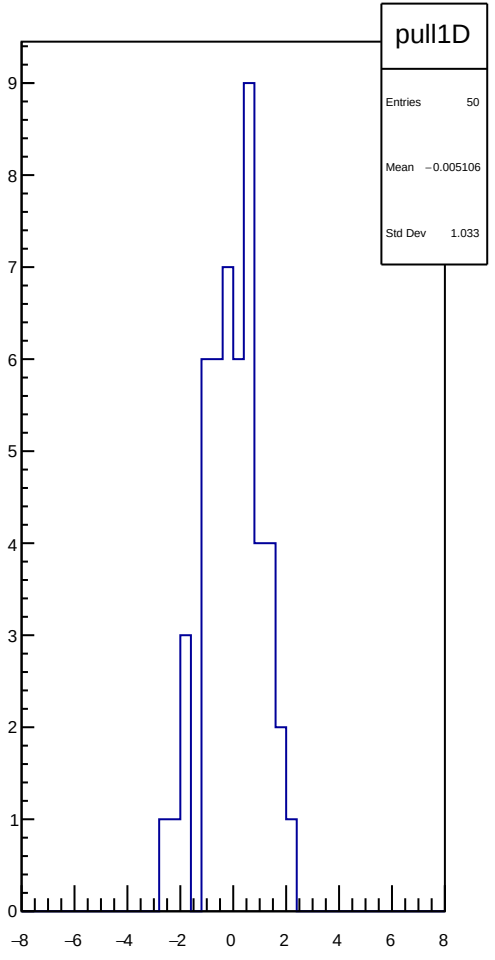

pull1D
Entries 50
Mean −0.005106
Std Dev 1.033

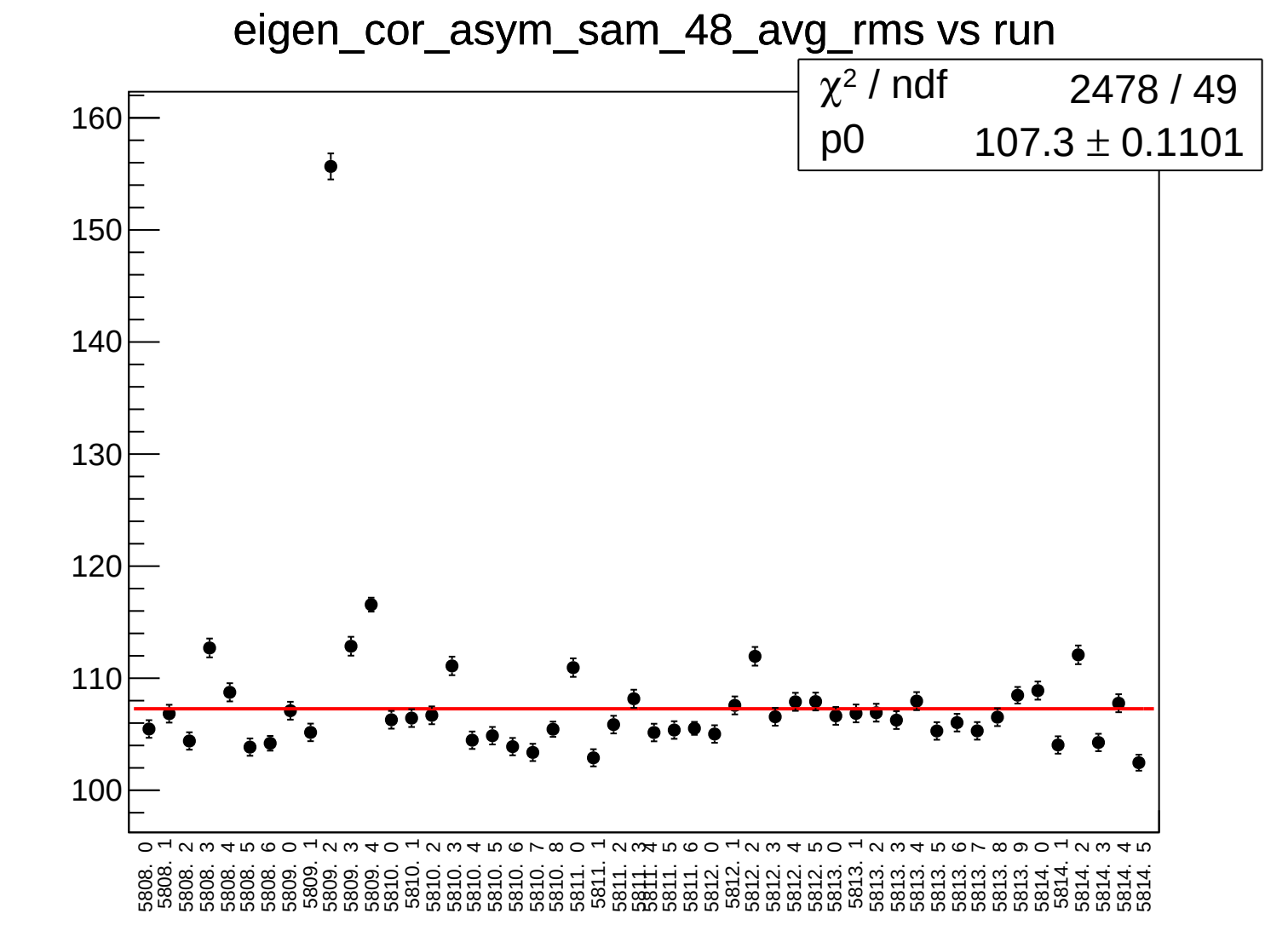

cor_asym_sam_48_avg_rms vs run
χ² / ndf 2478 / 49
p0 107.3 ± 0.1101
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 60.45 / 49
p0 −1444 ± 1313
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 207.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.005492
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 2122 / 49
p0 905 ± 0.9285
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 53.39 / 49
p0 −133.9 ± 155.7
pull
Entries 50
Mean 482.1
Std Dev 0


pull1D
Entries 50
Mean −0.005106
Std Dev 1.033


eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 2478 / 49
p0 107.3 ± 0.1101
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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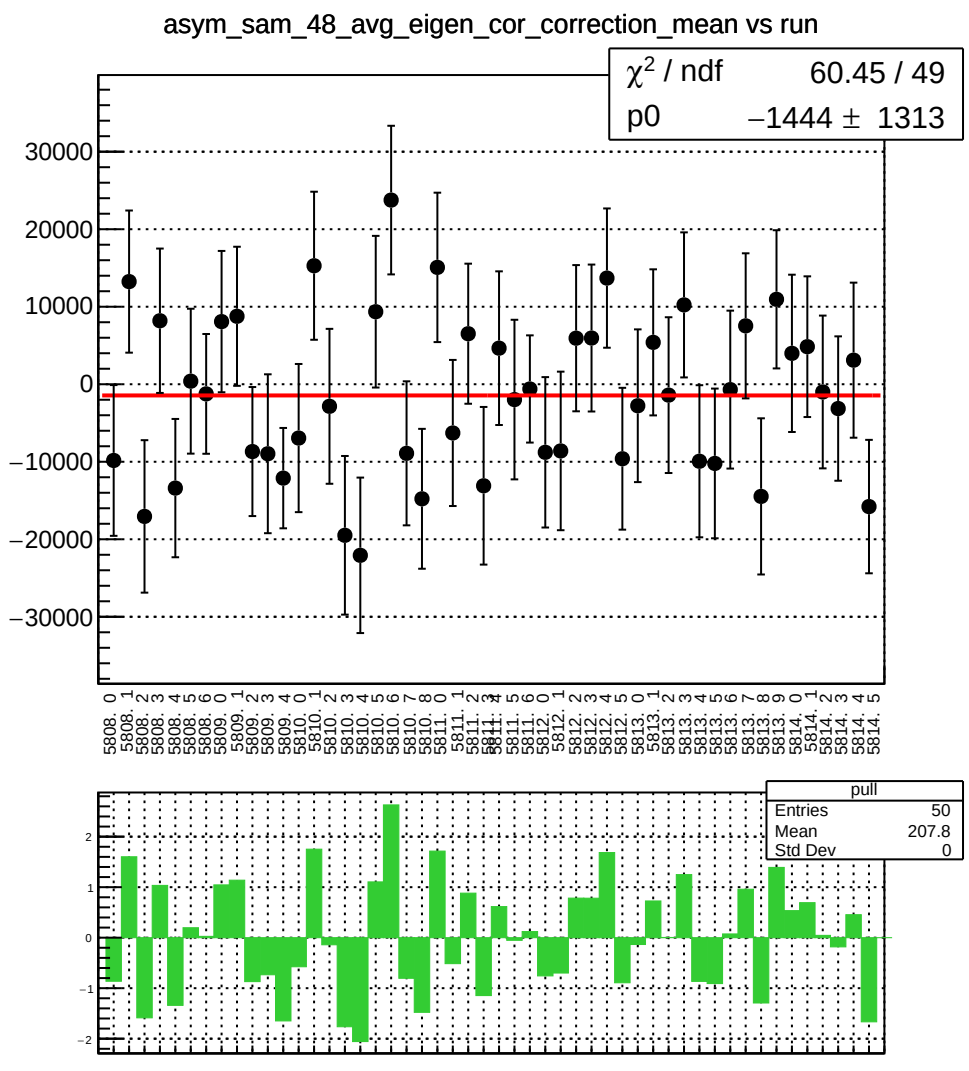
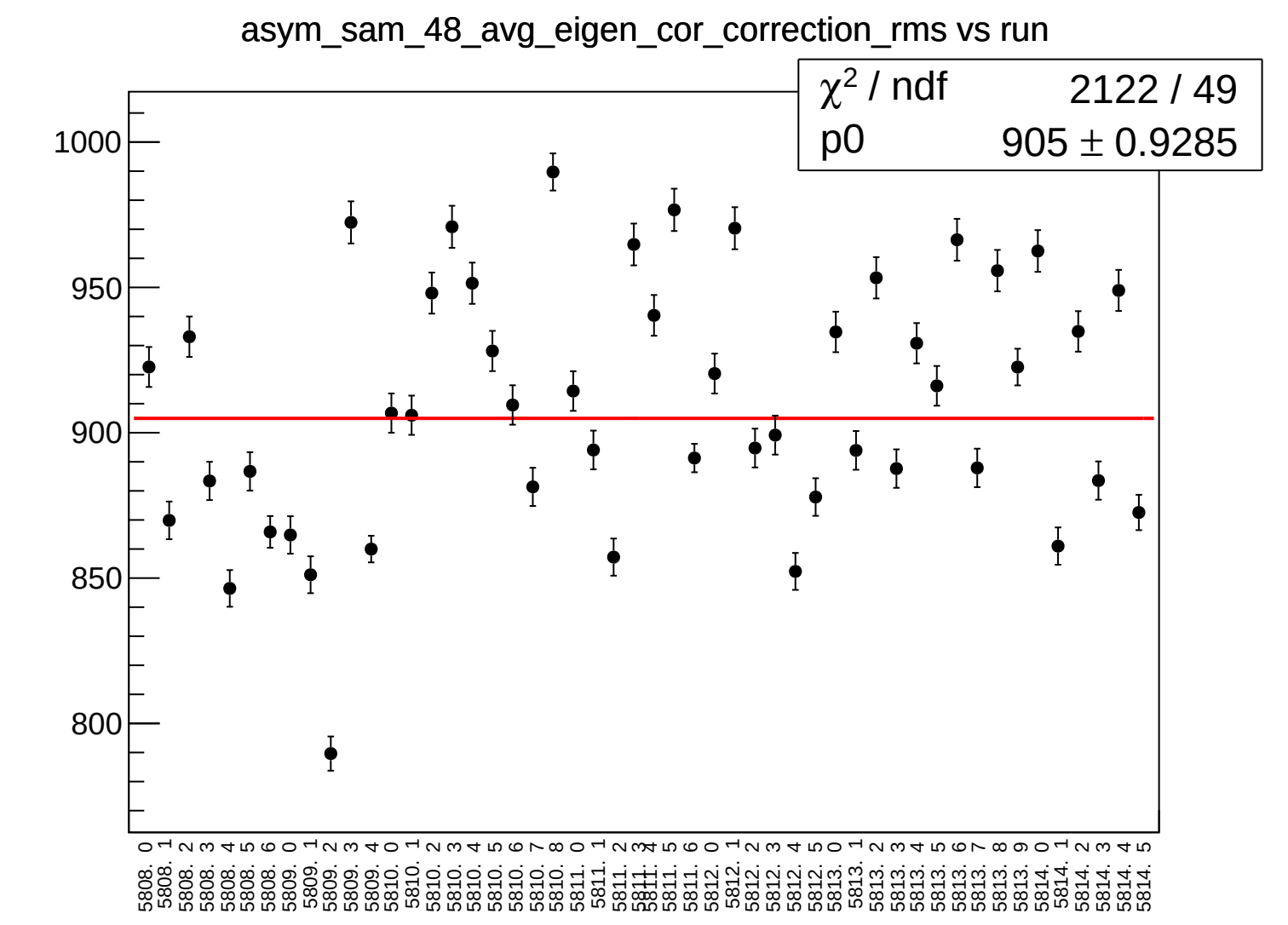
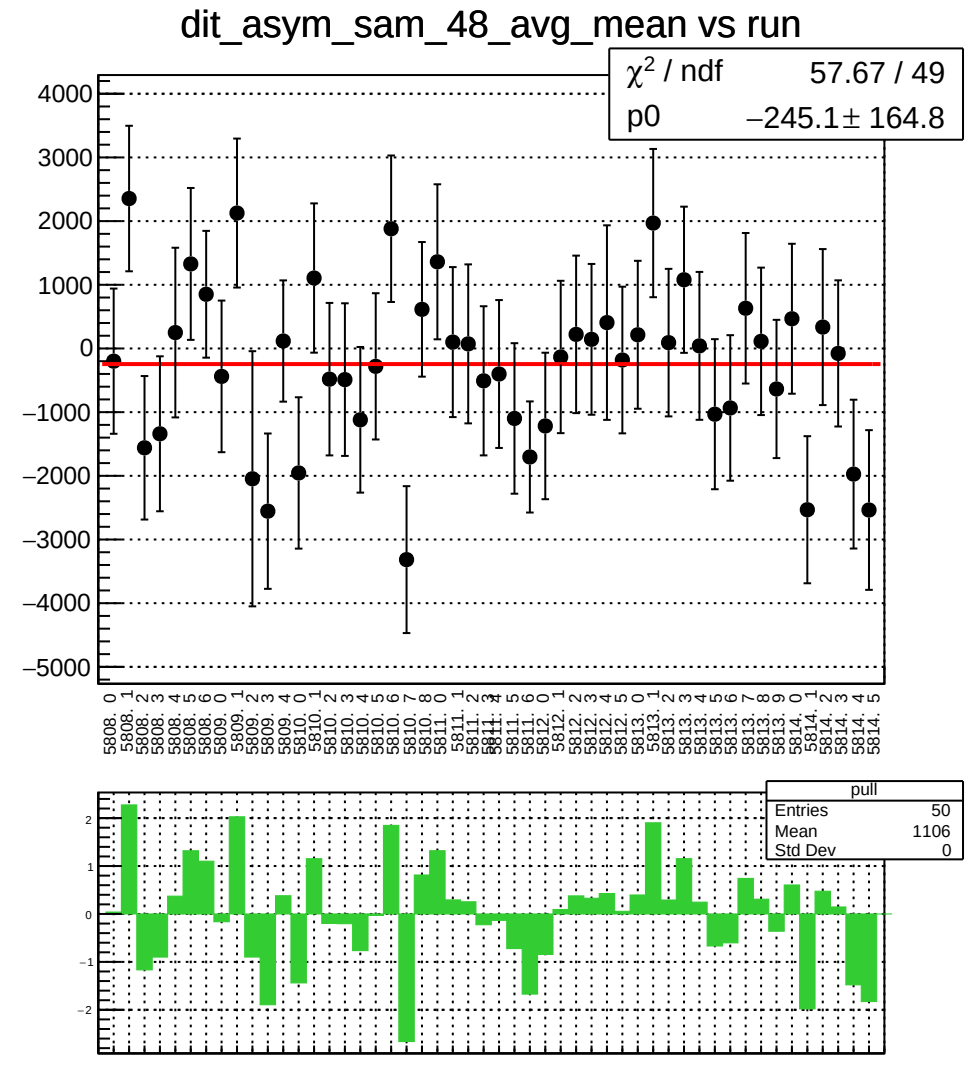
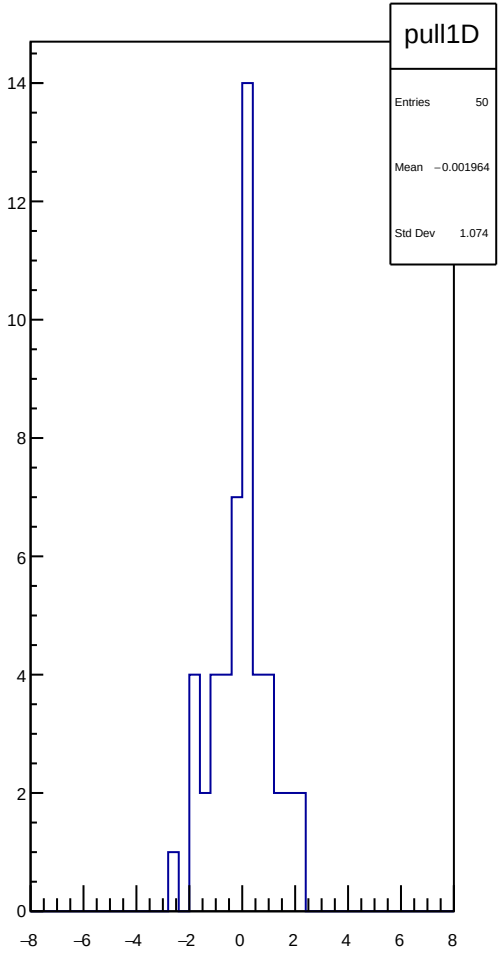
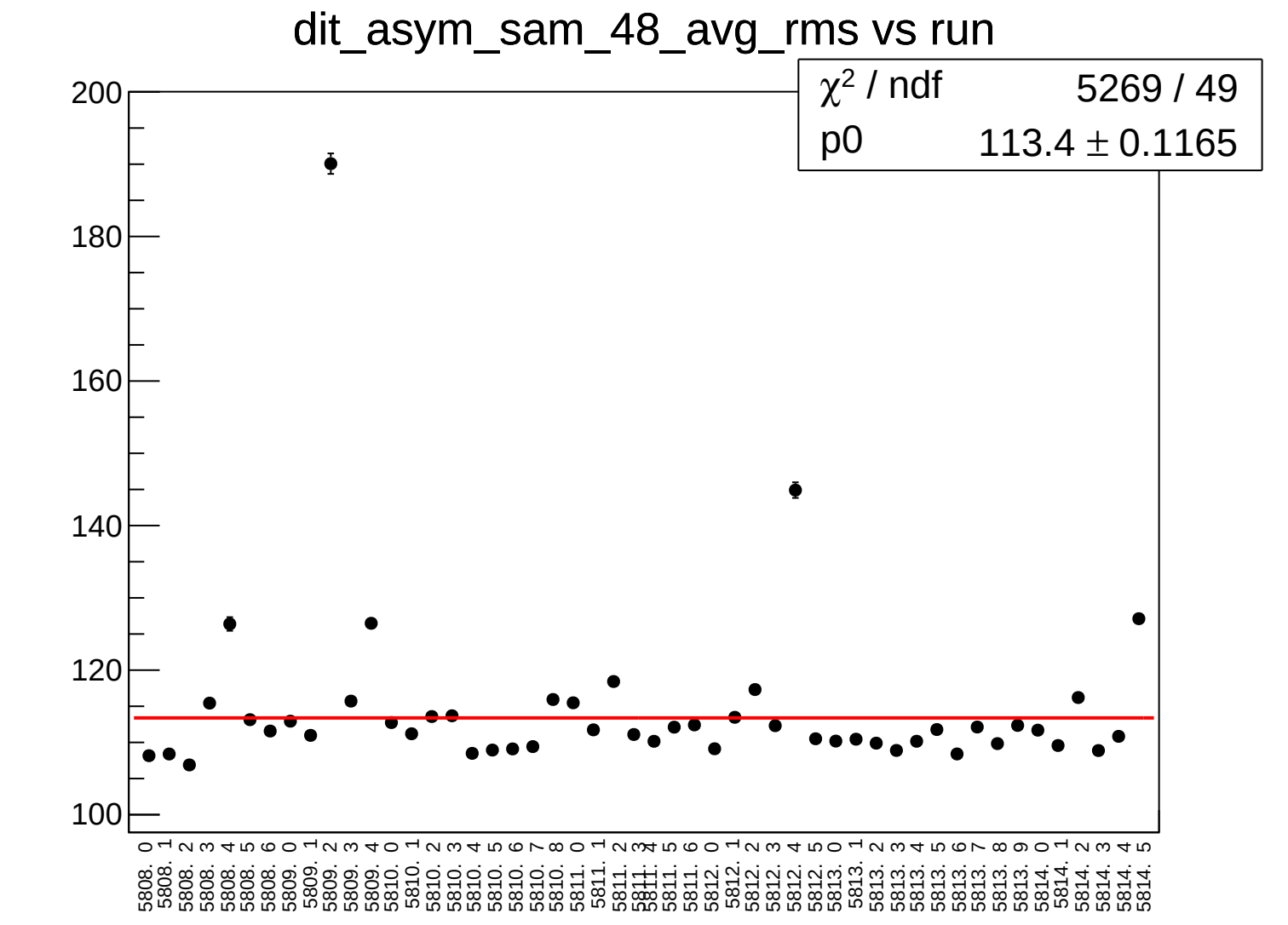
5814. 4
5814. 5


asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 60.45 / 49
p0 −1444 ± 1313
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 207.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.005492
Std Dev 1.1
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 2122 / 49
p0 905 ± 0.9285
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_48_avg_mean vs run
χ² / ndf 57.67 / 49
p0 −245.1± 164.8
pull
Entries 50
Mean 1106
Std Dev 0


pull1D
Entries 50
Mean −0.001964
Std Dev 1.074


dit_asym_sam_48_avg_rms vs run
χ² / ndf 5269 / 49
p0 113.4 ± 0.1165
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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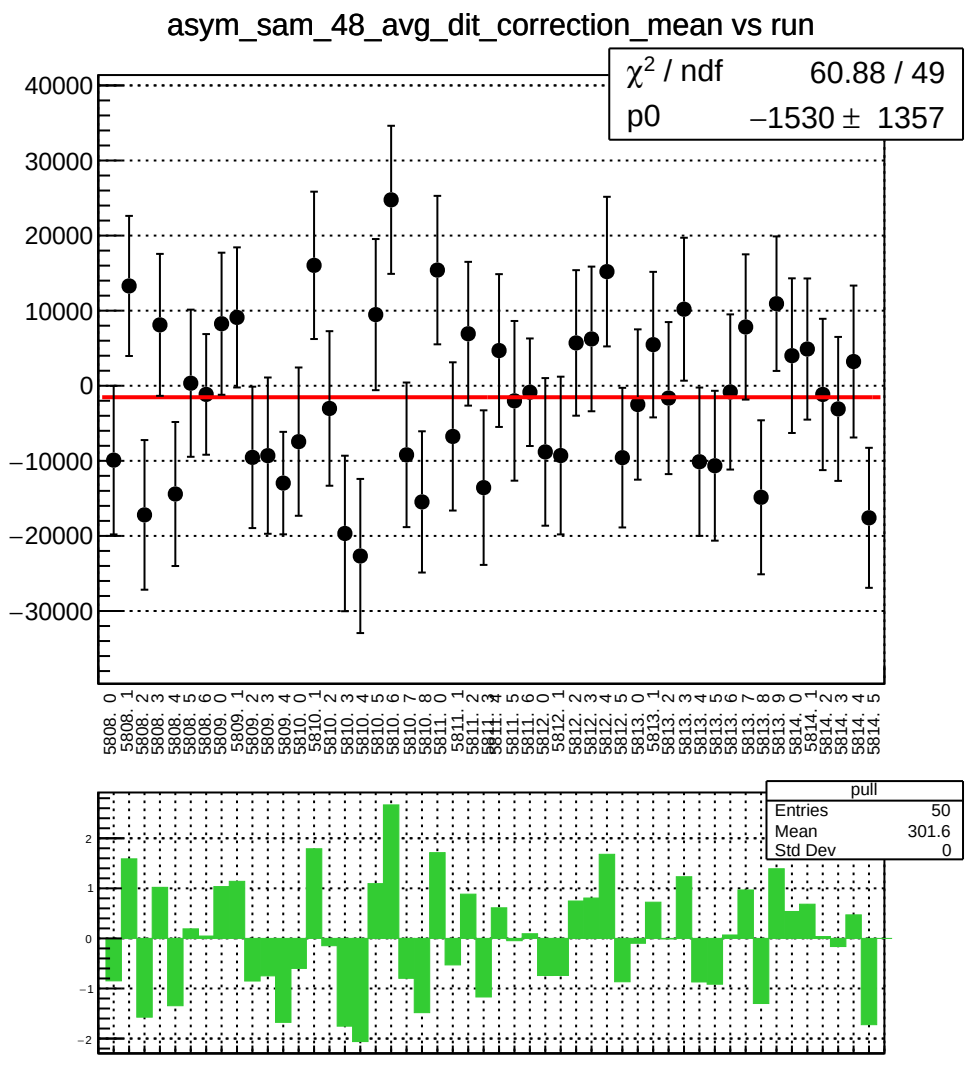
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 60.88 / 49
p0 −1530 ± 1357
40000
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
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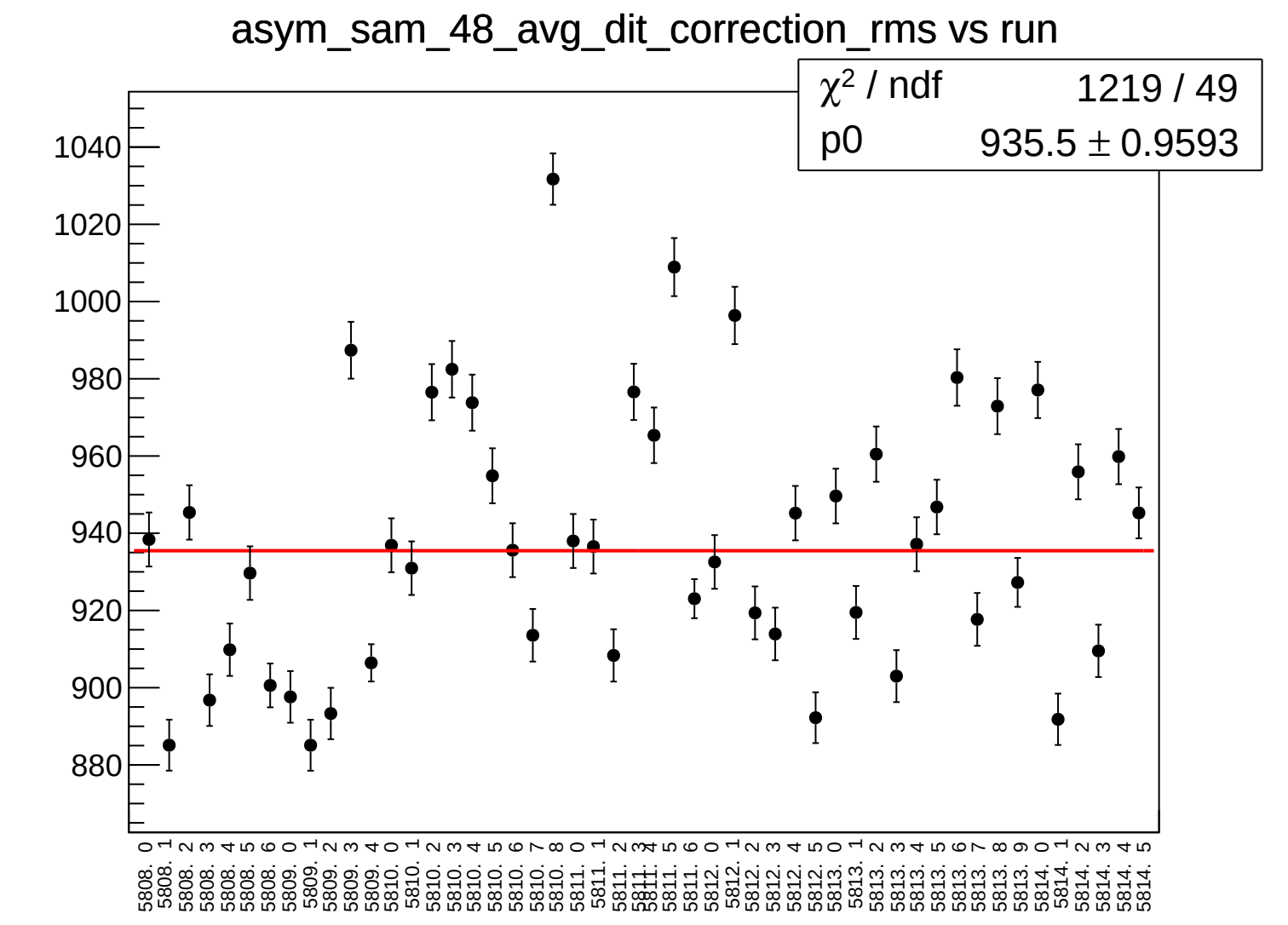
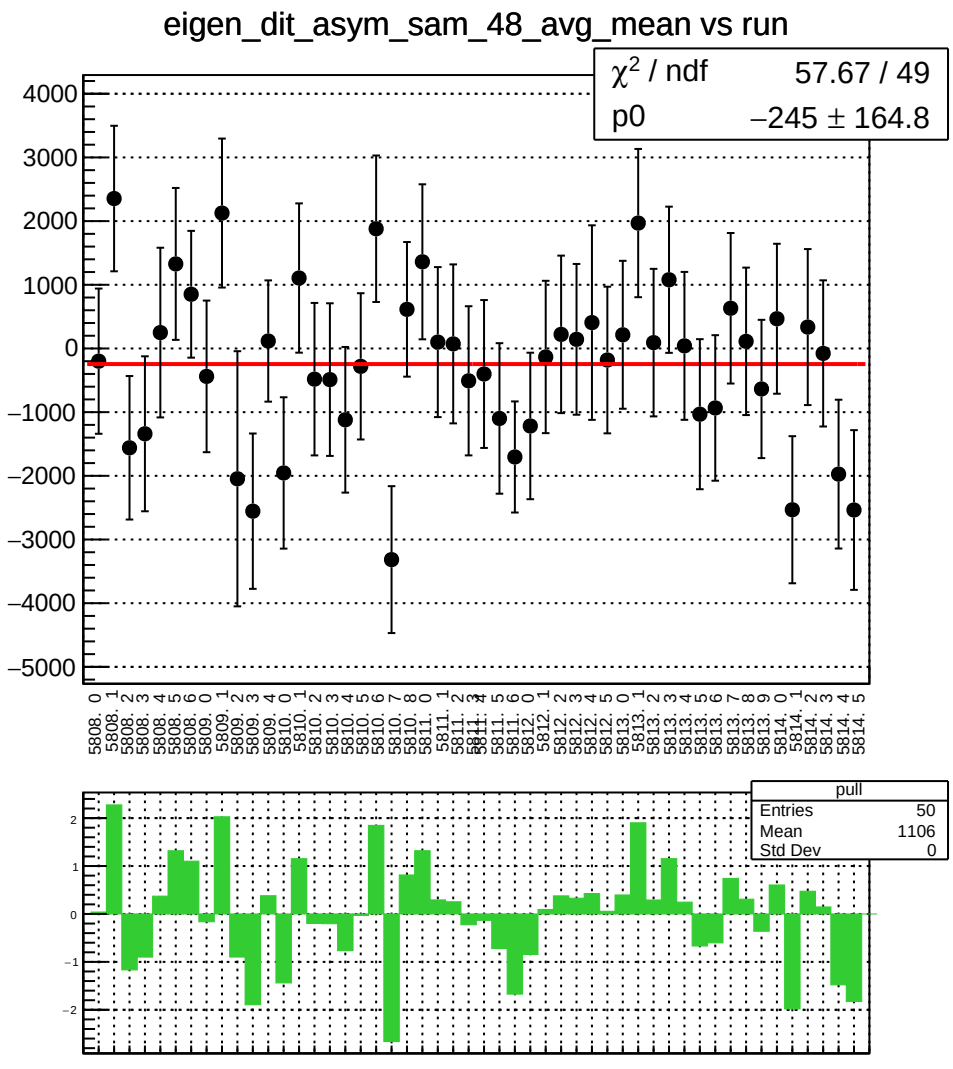
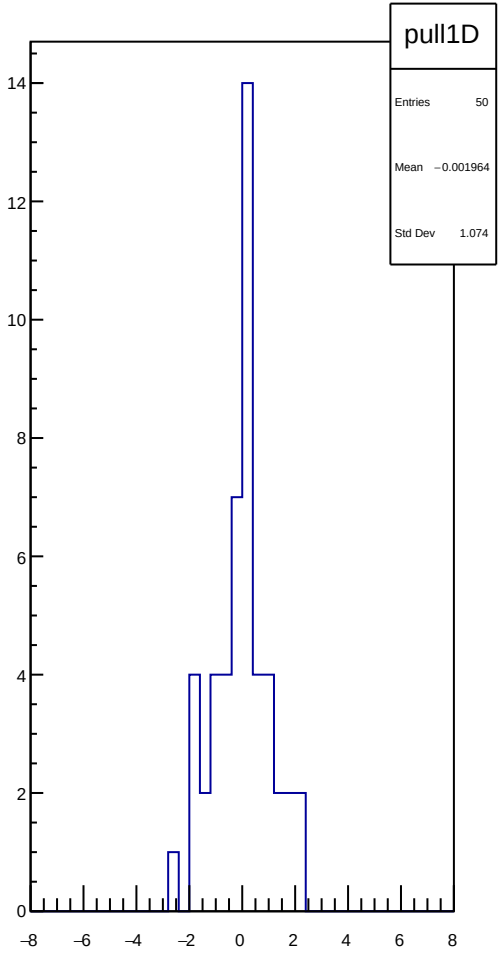
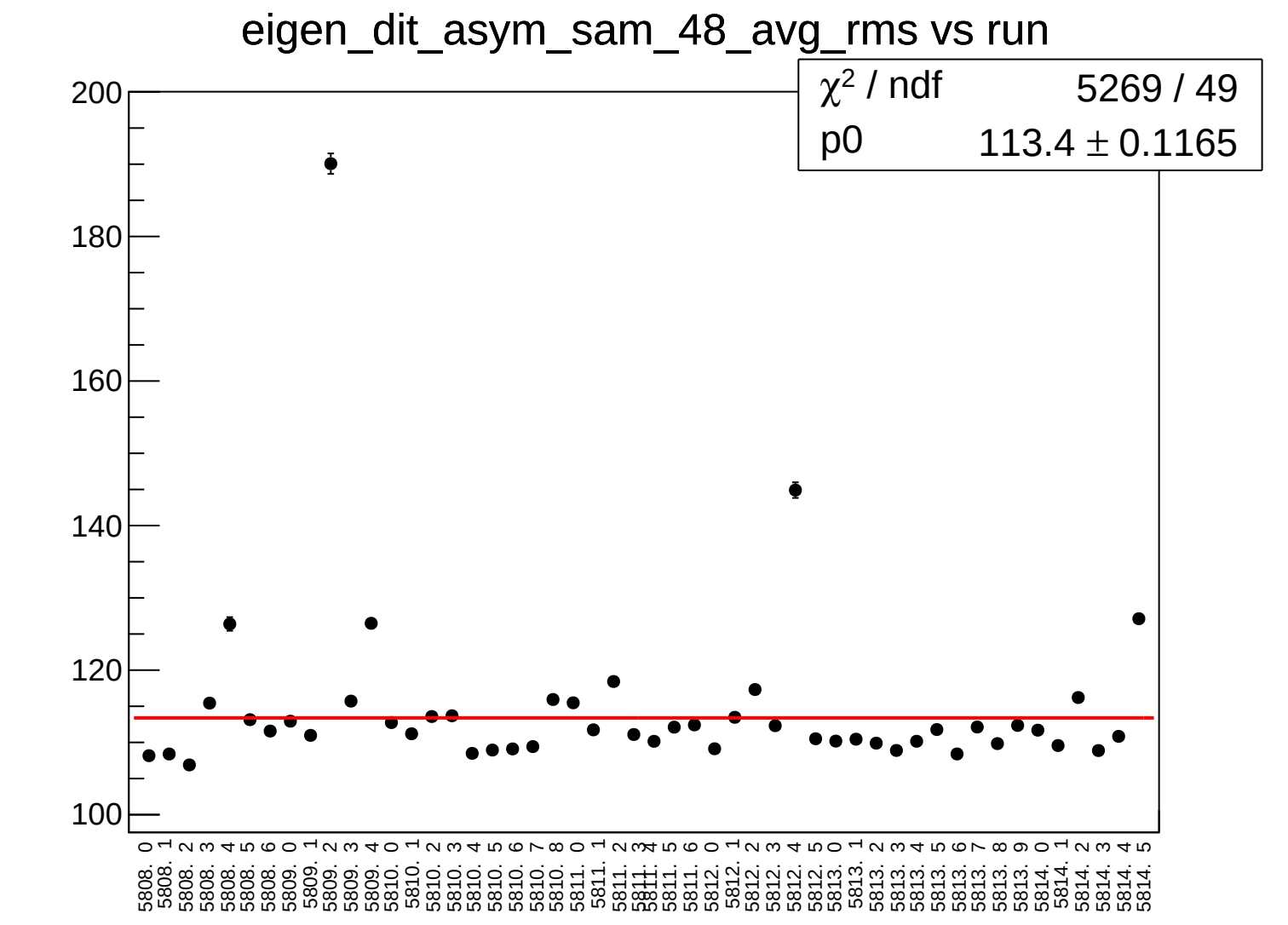
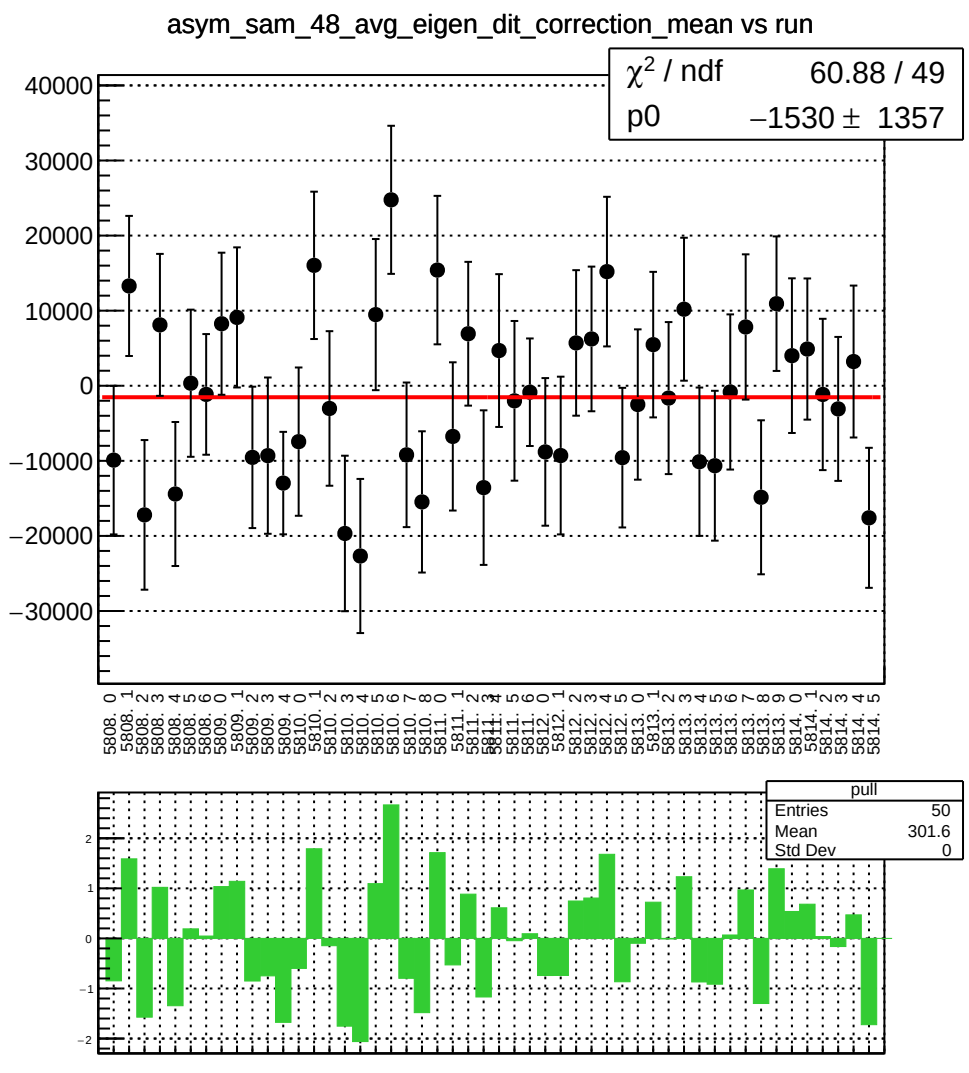
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 301.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.00353
Std Dev 1.103
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

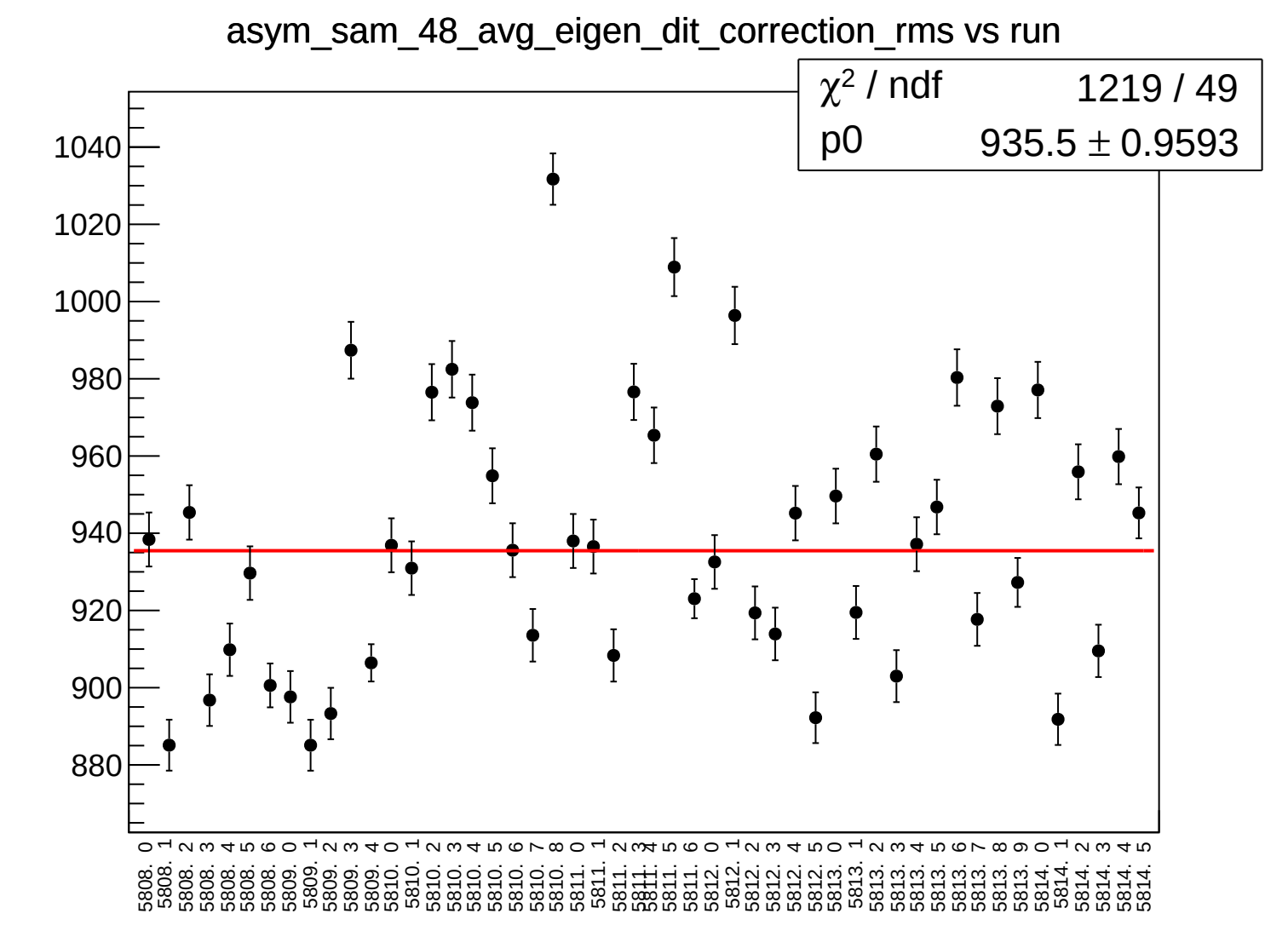

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1219 / 49
p0 935.5 ± 0.9593
1040
1020
1000
980
960
940
920
900
880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

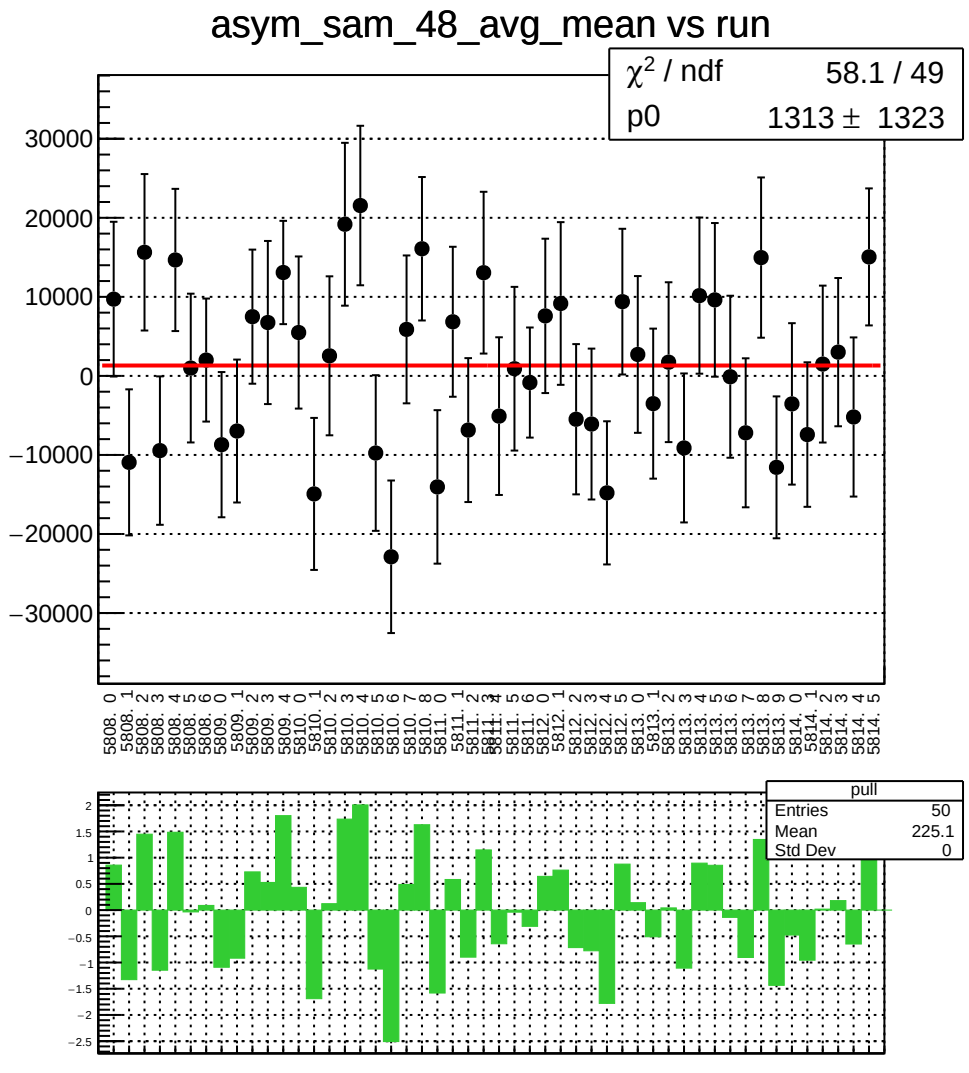

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 57.67 / 49
p0 −245 ± 164.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1106
Std Dev 0
2
1
0
−1
−2

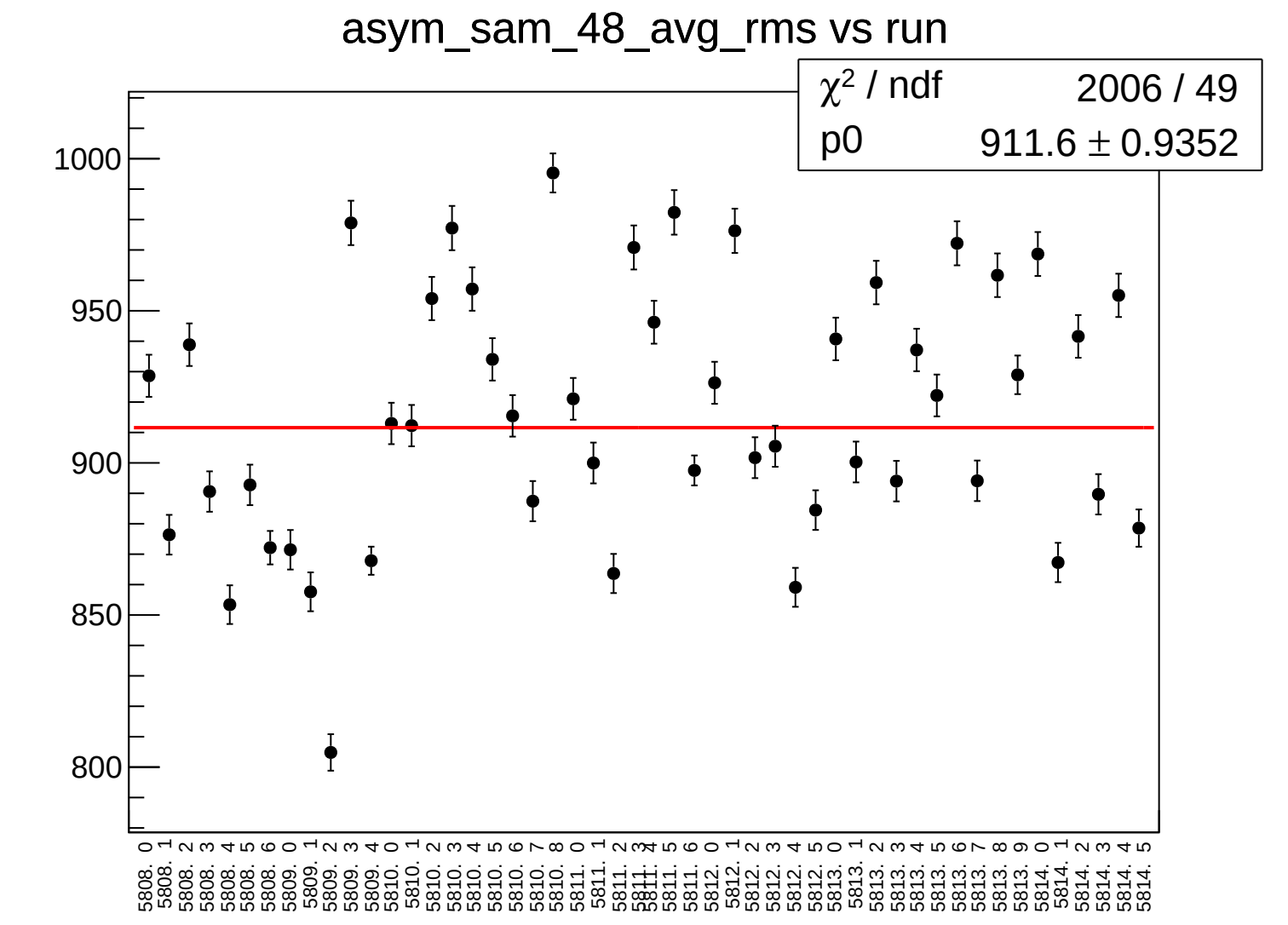

pull1D
Entries 50
Mean −0.001964
Std Dev 1.074
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

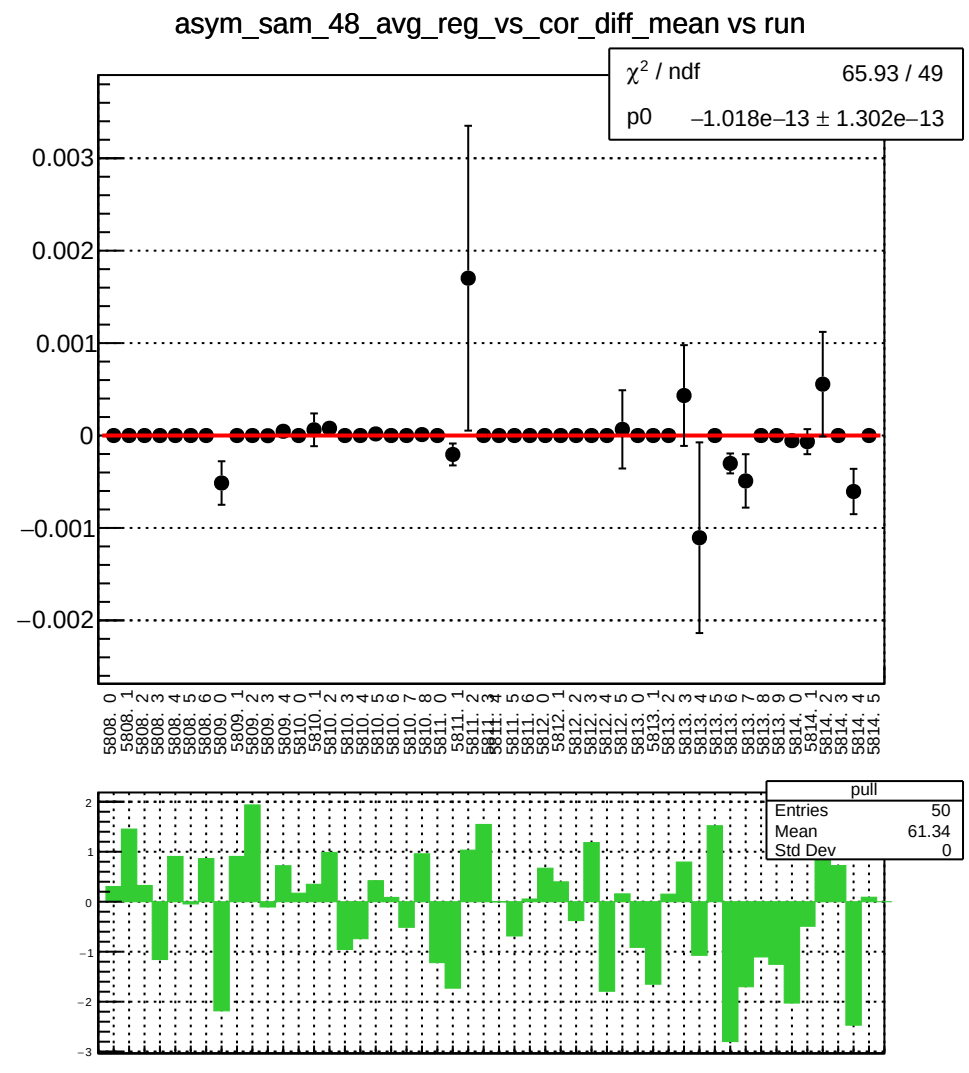

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 5269 / 49
p0 113.4 ± 0.1165
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

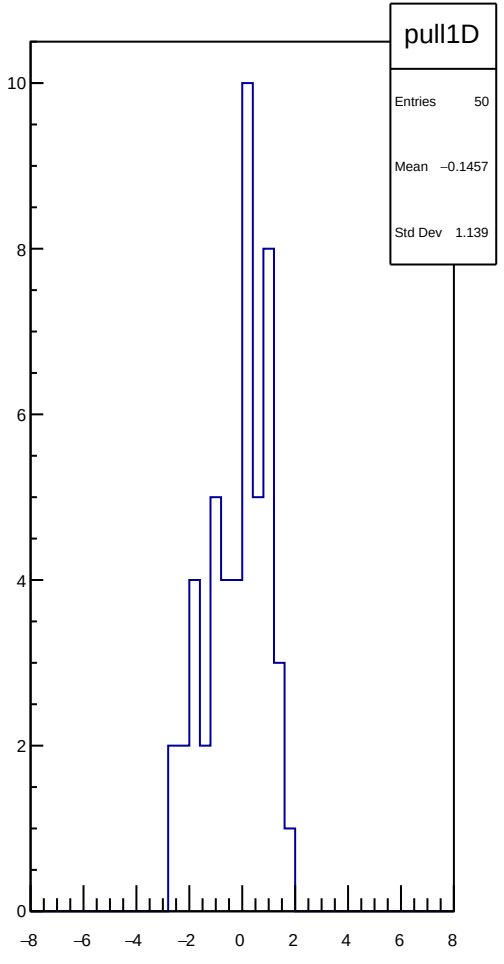

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 60.88 / 49
p0 −1530 ± 1357
40000
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 301.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.00353
Std Dev 1.103
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

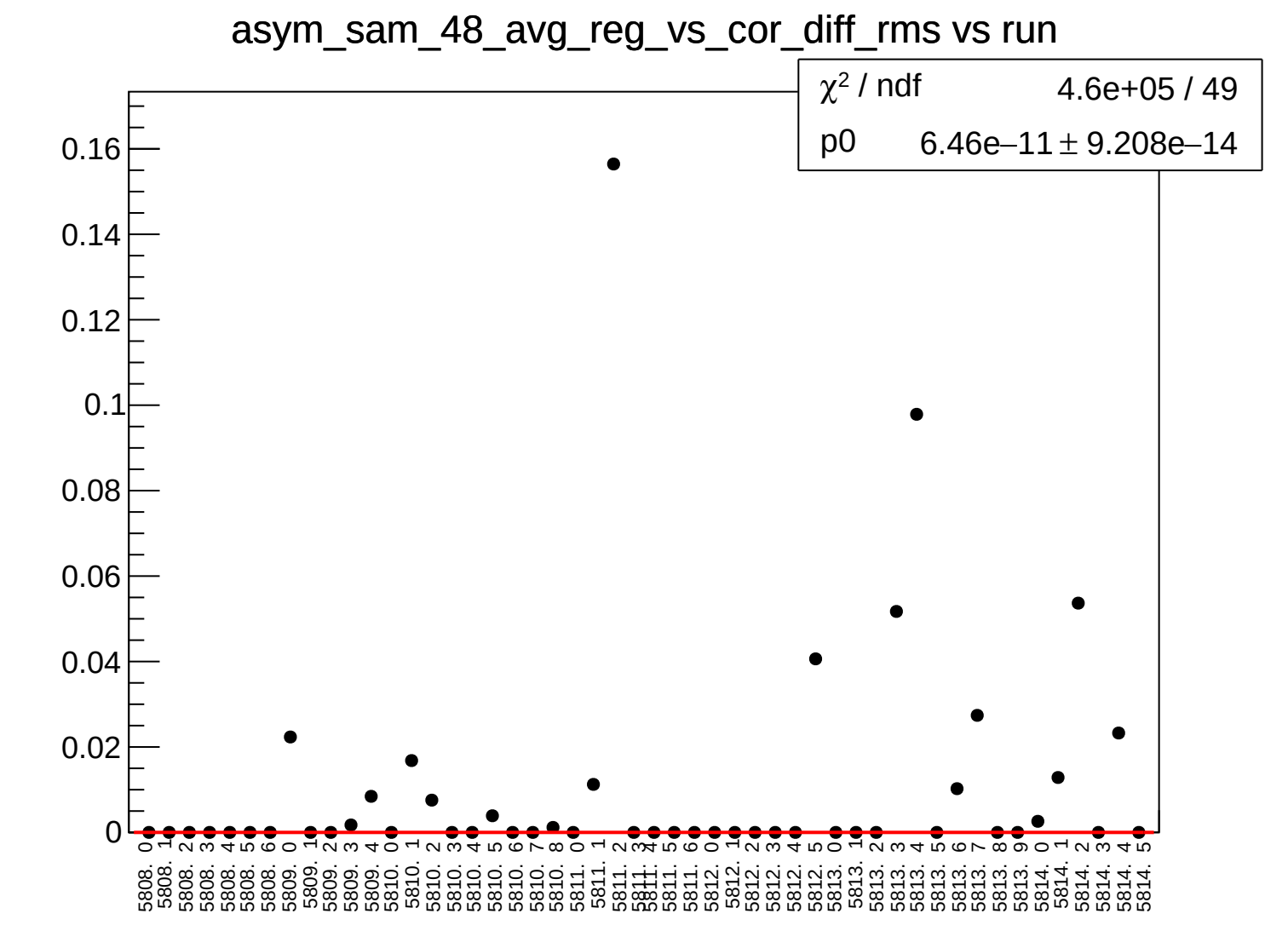

asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1219 / 49
p0 935.5 ± 0.9593
1040
1020
1000
980
960
940
920
900
880
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

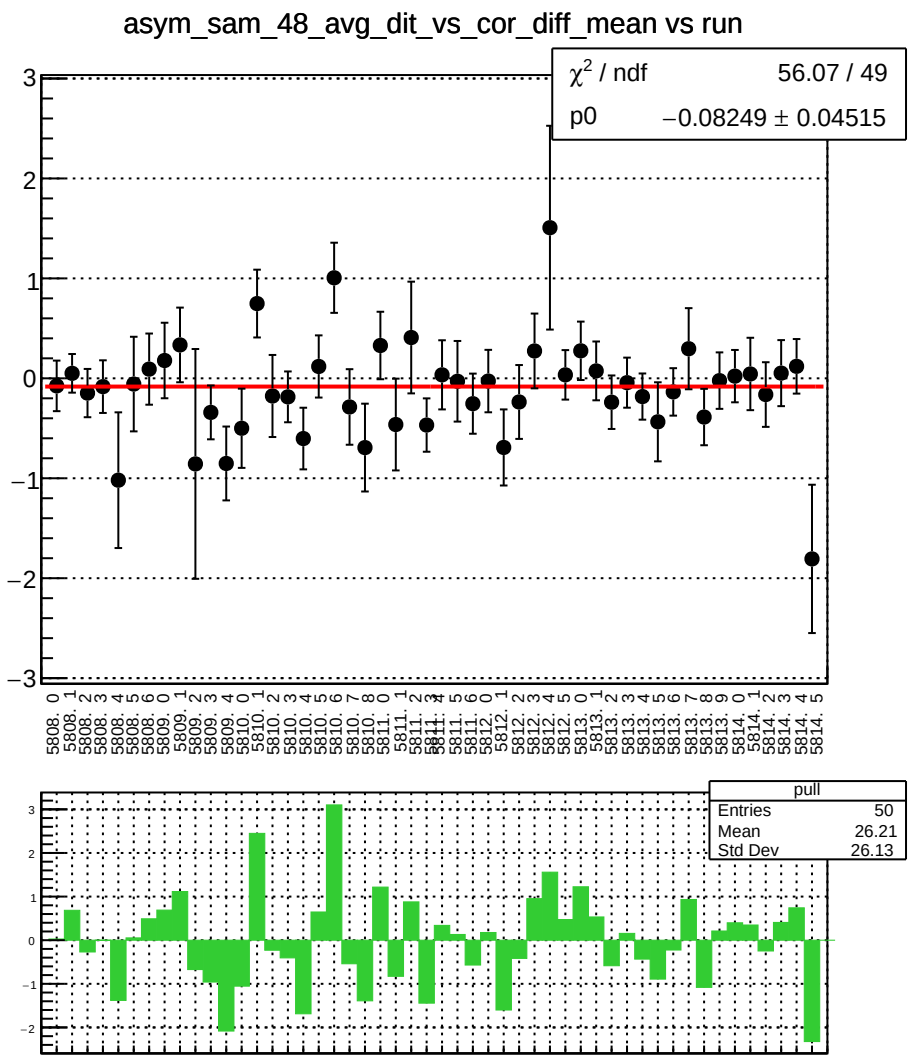

asym_sam_48_avg_mean vs run
χ² / ndf 58.1 / 49
p0 1313 ± 1323
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 225.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.006344
Std Dev 1.078
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

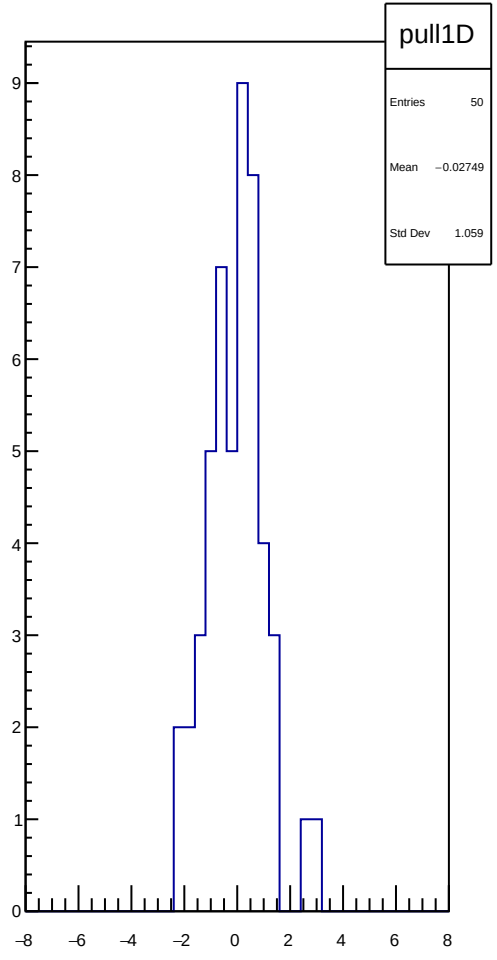

asym_sam_48_avg_rms vs run
χ² / ndf 2006 / 49
p0 911.6 ± 0.9352
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

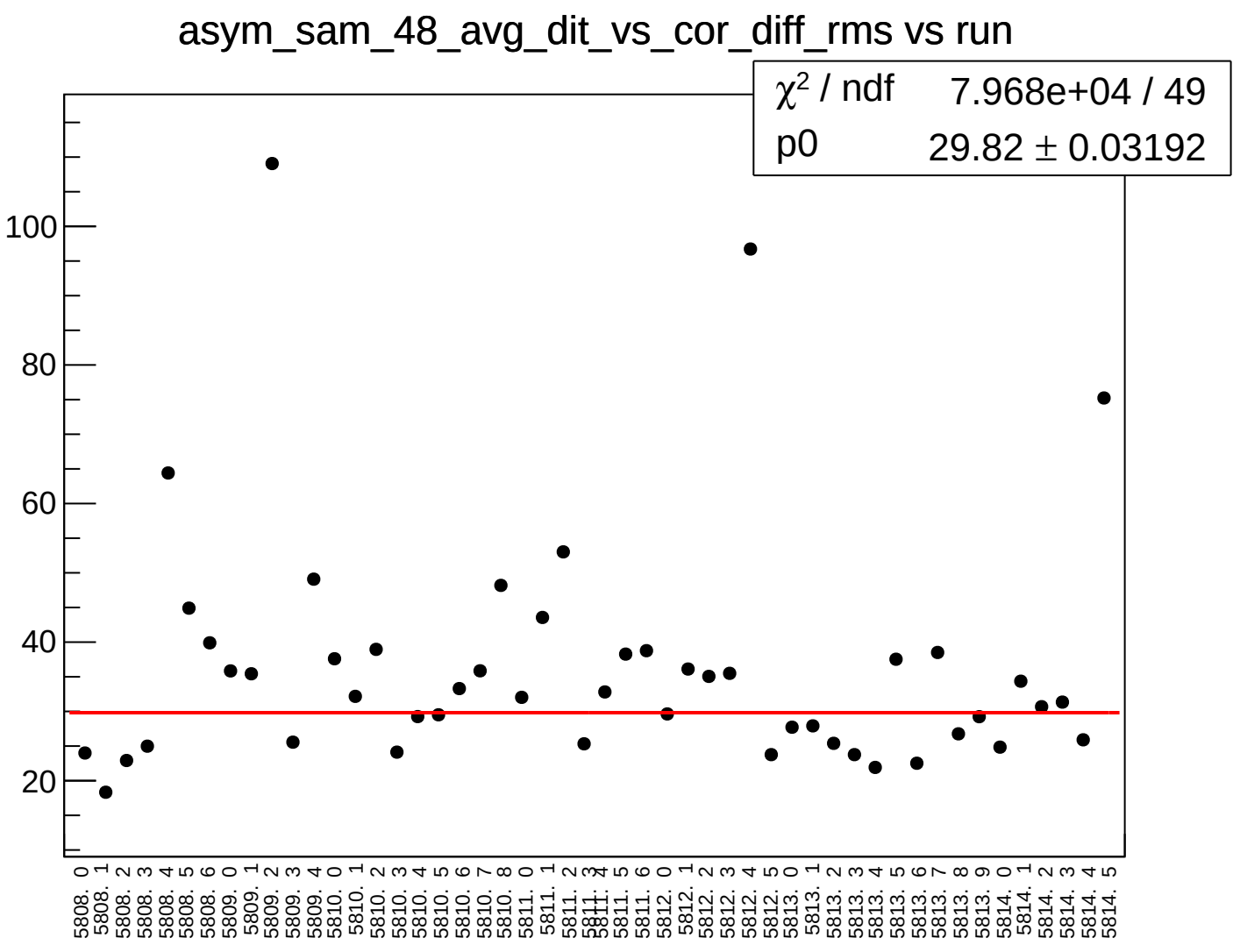

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 65.93 / 49
p0 −1.018e−13 ± 1.302e−13
0.003
0.002
0.001
0
−0.001
−0.002
pull
Entries 50
Mean 61.34
Std Dev 0
2
1
0
−1
−2
−3

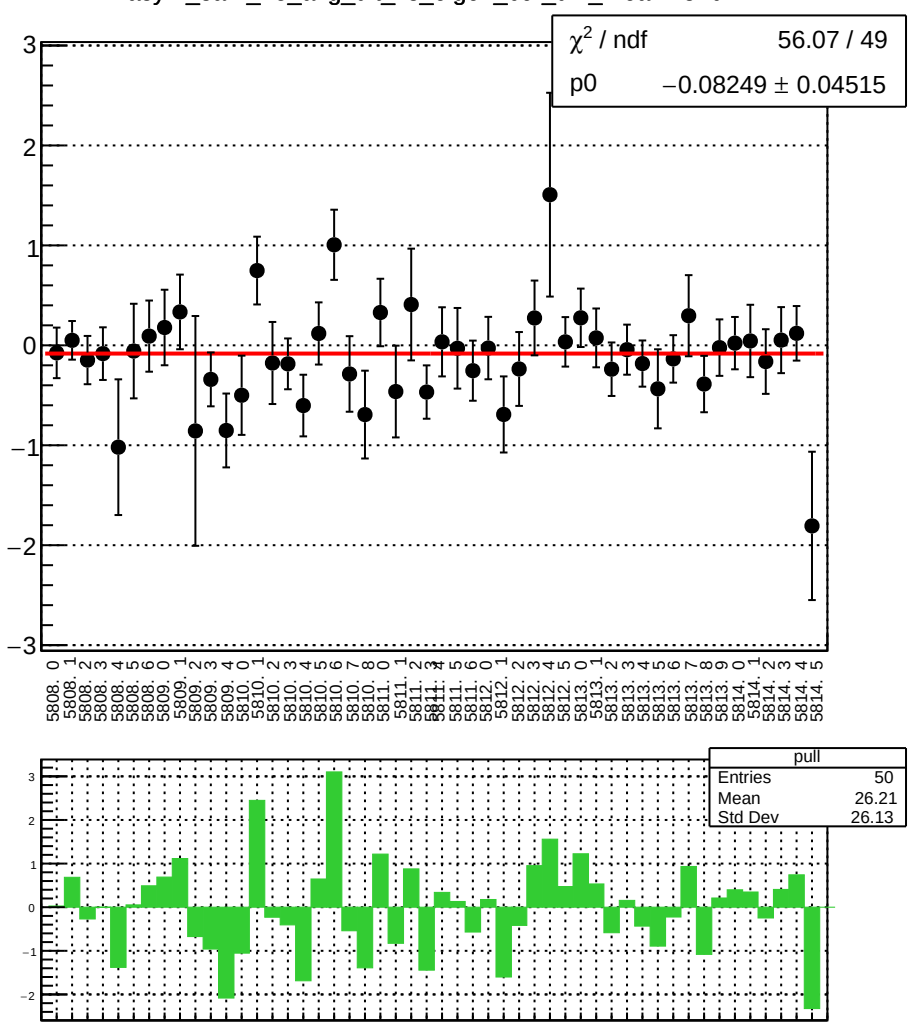

pull1D
Entries 50
Mean −0.1457
Std Dev 1.139
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

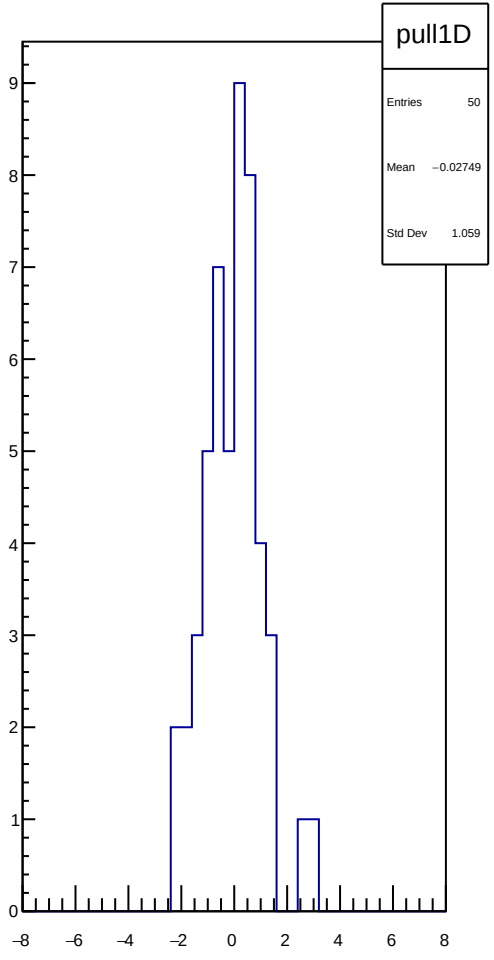

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.6e+05 / 49
p0 6.46e−11 ± 9.208e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

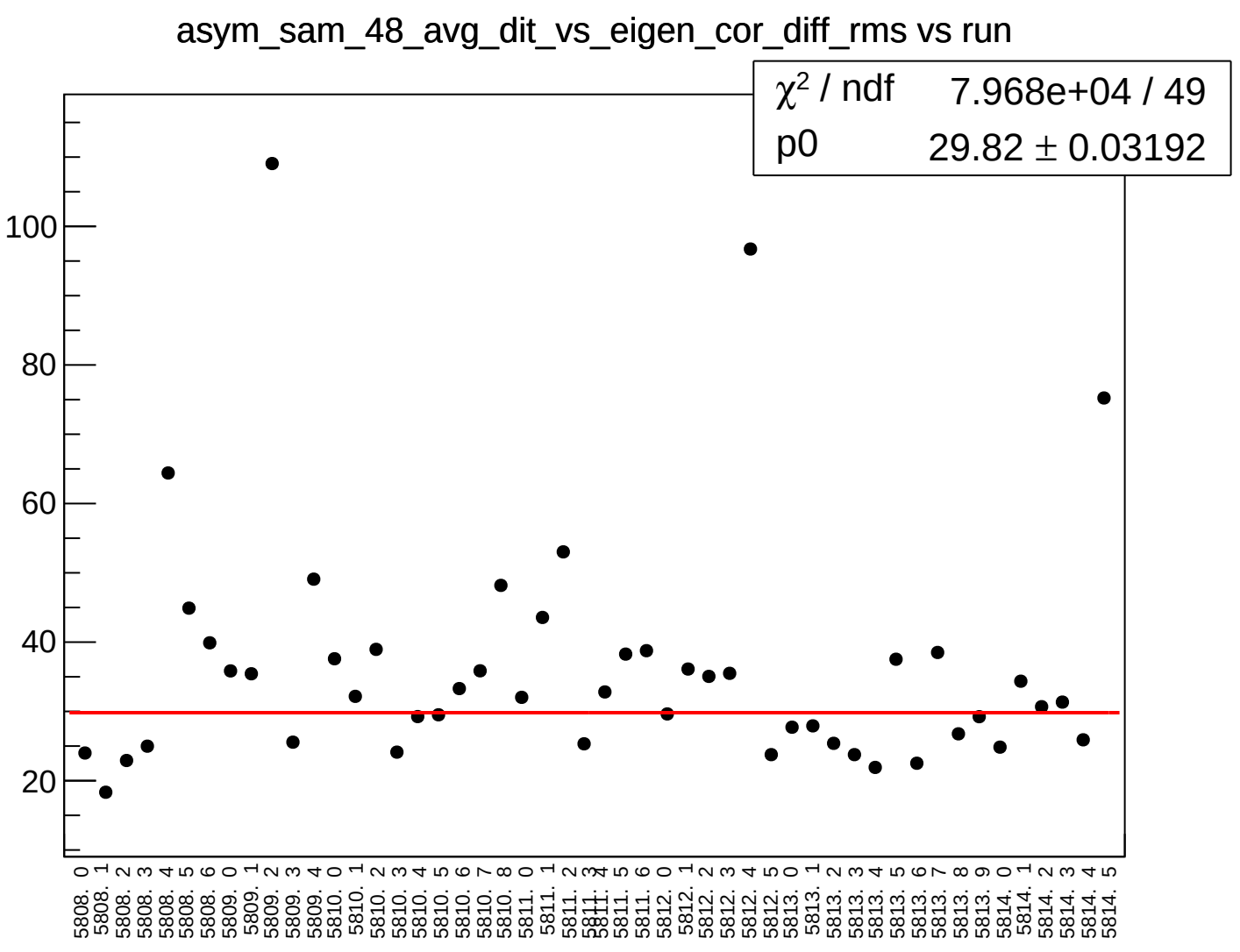

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 56.07 / 49
p0 −0.08249 ± 0.04515
pull
Entries 50
Mean 26.21
Std Dev 26.13

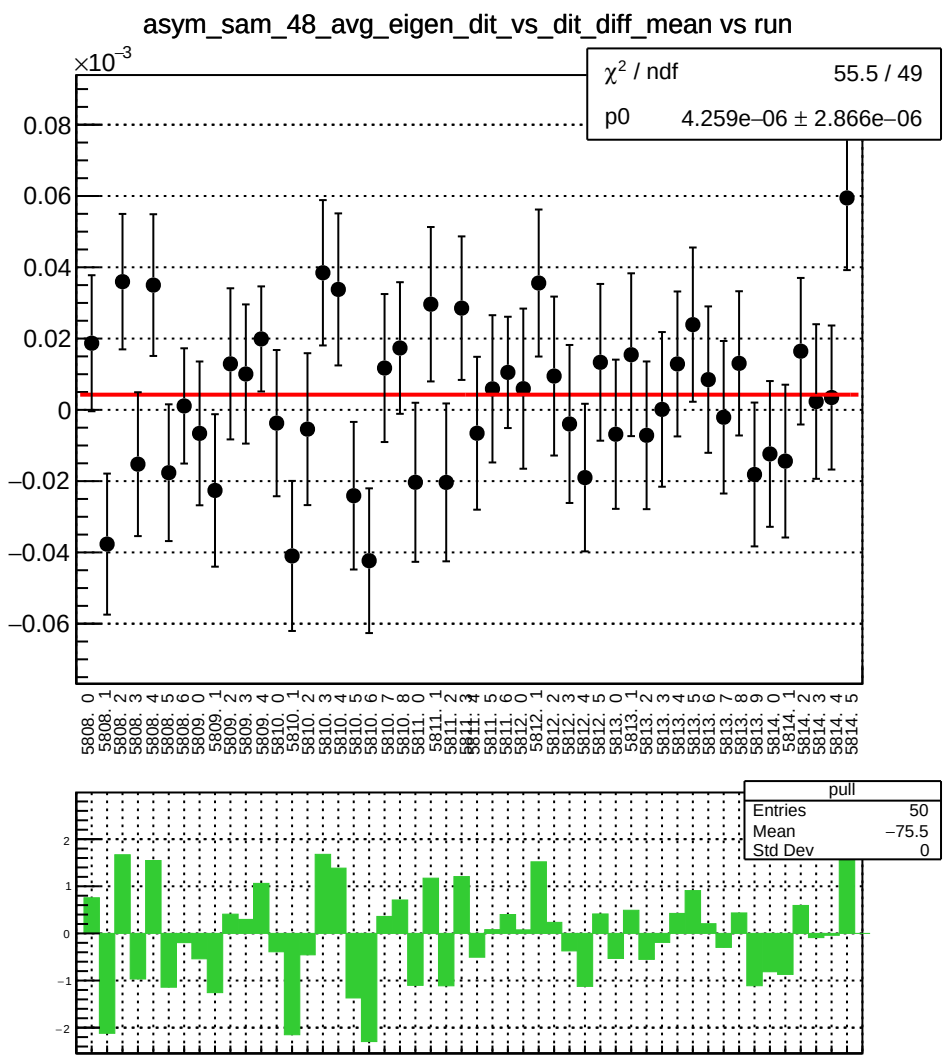

pull1D
Entries 50
Mean −0.02749
Std Dev 1.059

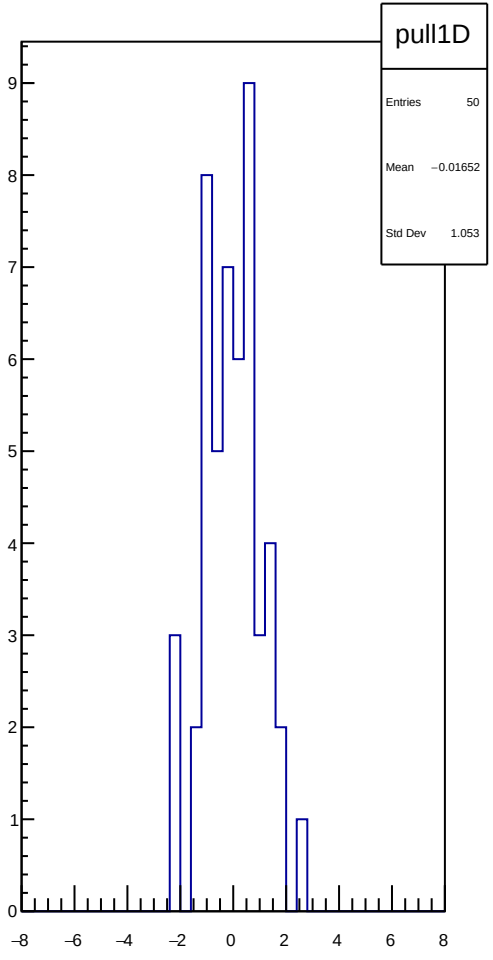

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.968e+04 / 49
p0 29.82 ± 0.03192
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

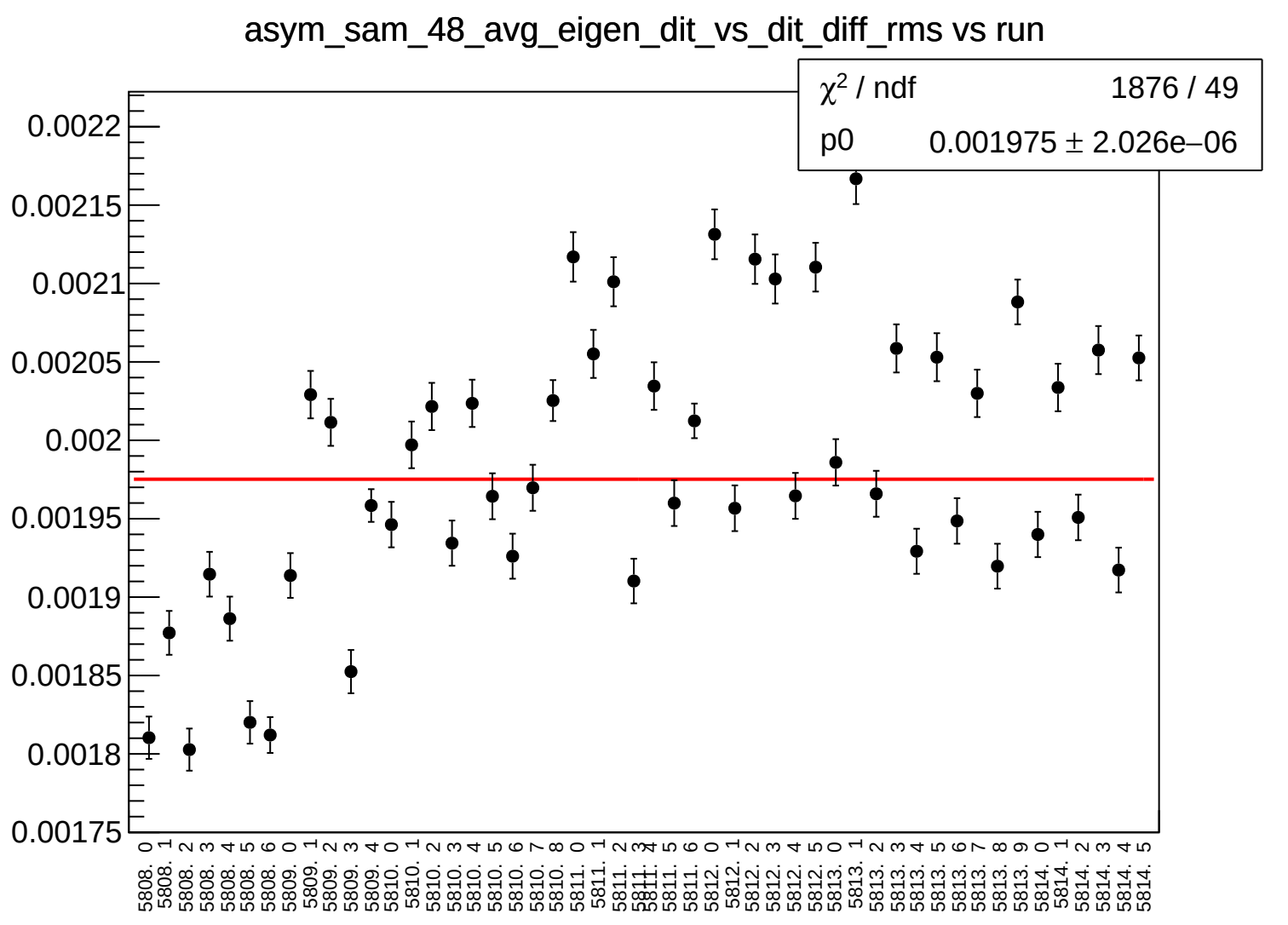

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.07 / 49
p0 −0.08249 ± 0.04515
pull
Entries 50
Mean 26.21
Std Dev 26.13


pull1D
Entries 50
Mean −0.02749
Std Dev 1.059


asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.968e+04 / 49
p0 29.82 ± 0.03192
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.5 / 49
p0 4.259e−06 ± 2.866e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −75.5
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.01652
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1876 / 49
p0 0.001975 ± 2.026e−06
0.0022
0.00215
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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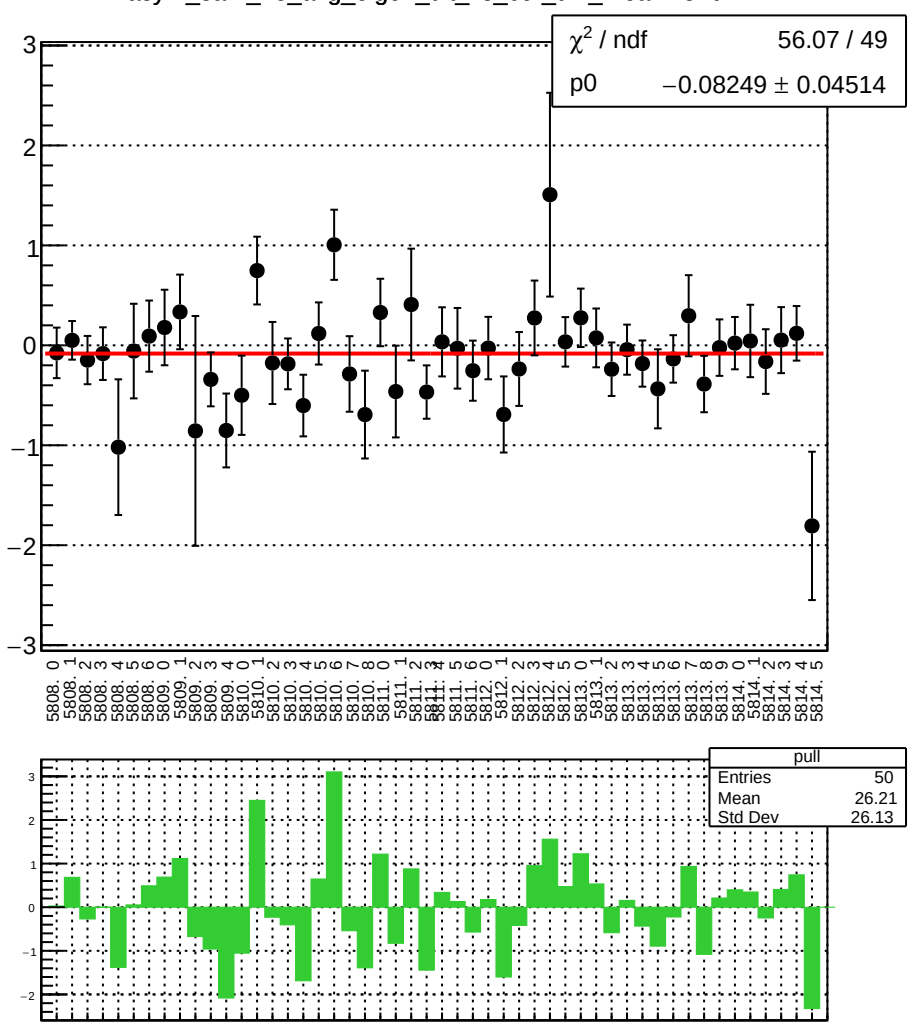
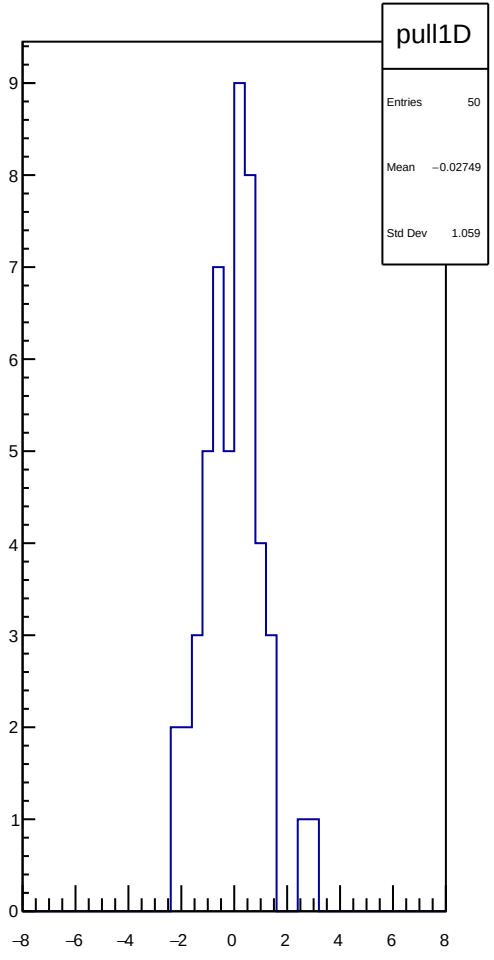
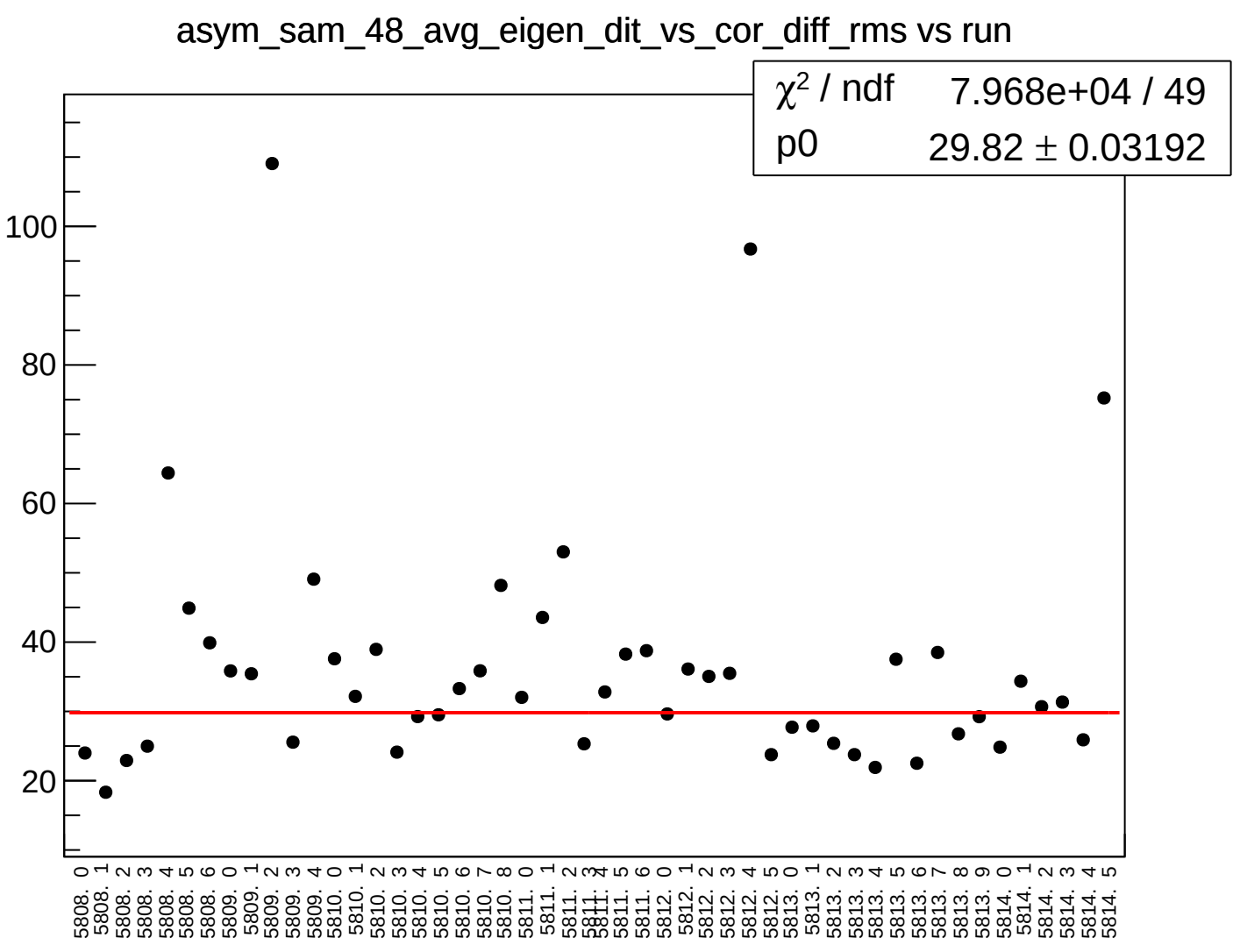
5814. 4
5814. 5


asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.07 / 49
p0 −0.08249 ± 0.04514
pull
Entries 50
Mean 26.21
Std Dev 26.13


pull1D
Entries 50
Mean −0.02749
Std Dev 1.059


asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.968e+04 / 49
p0 29.82 ± 0.03192
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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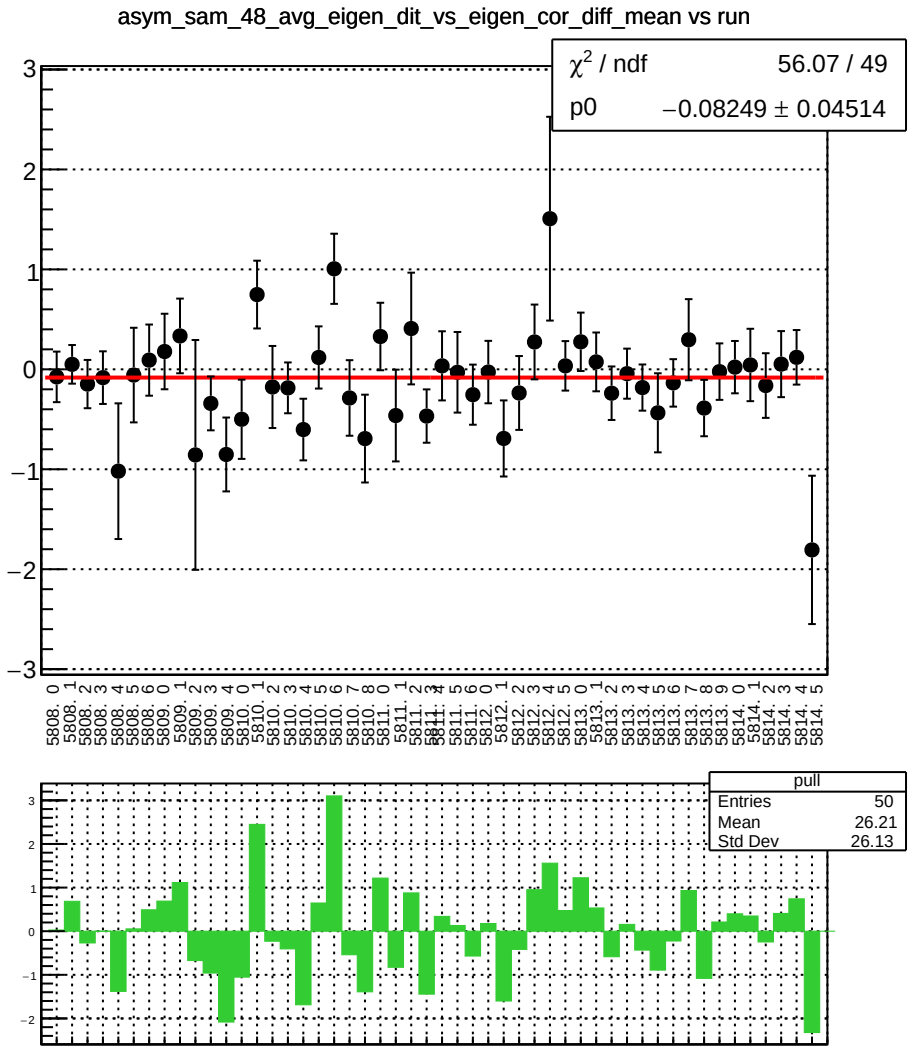
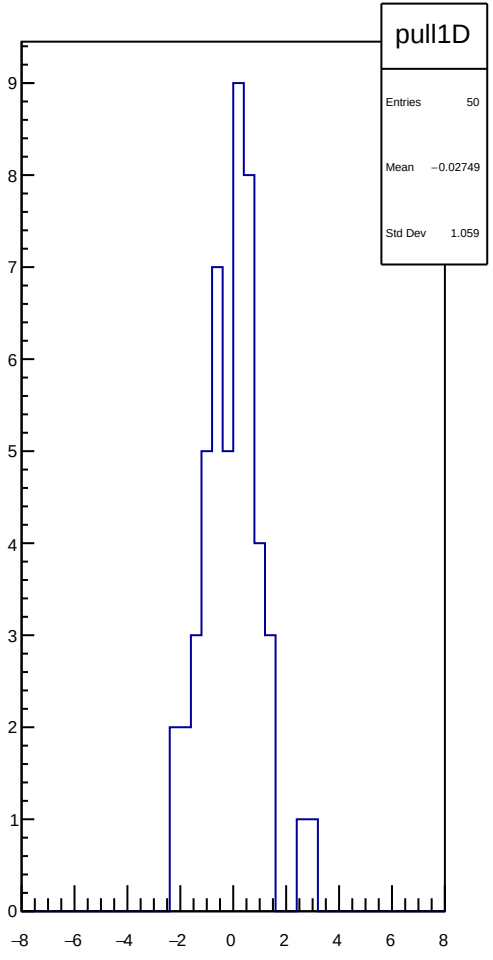
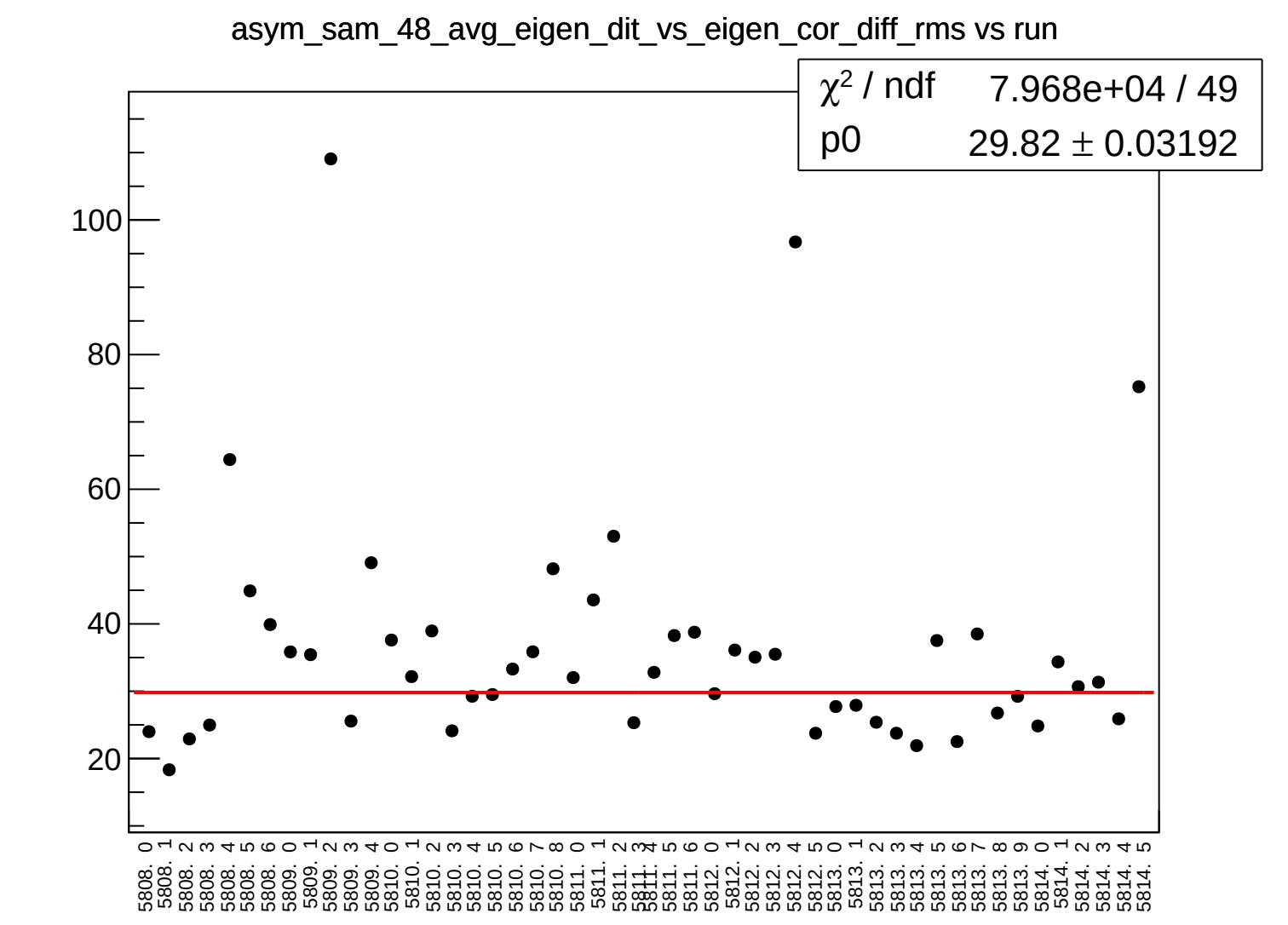
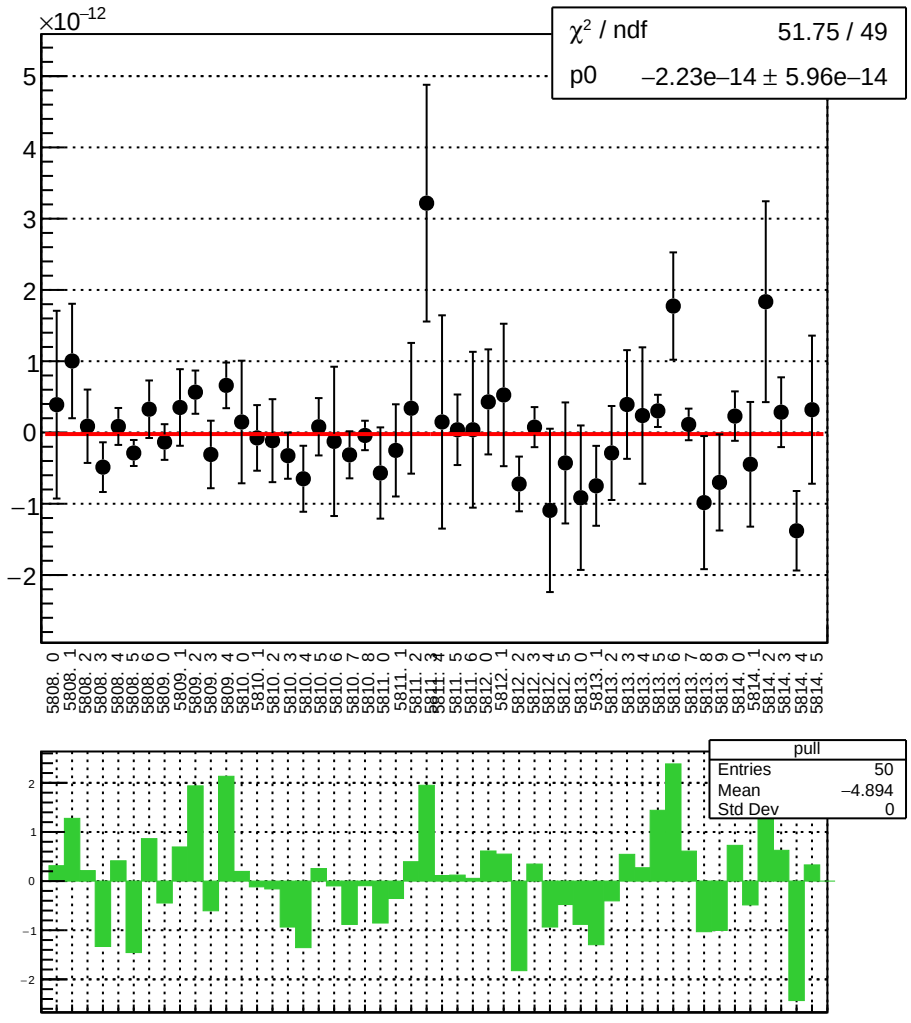
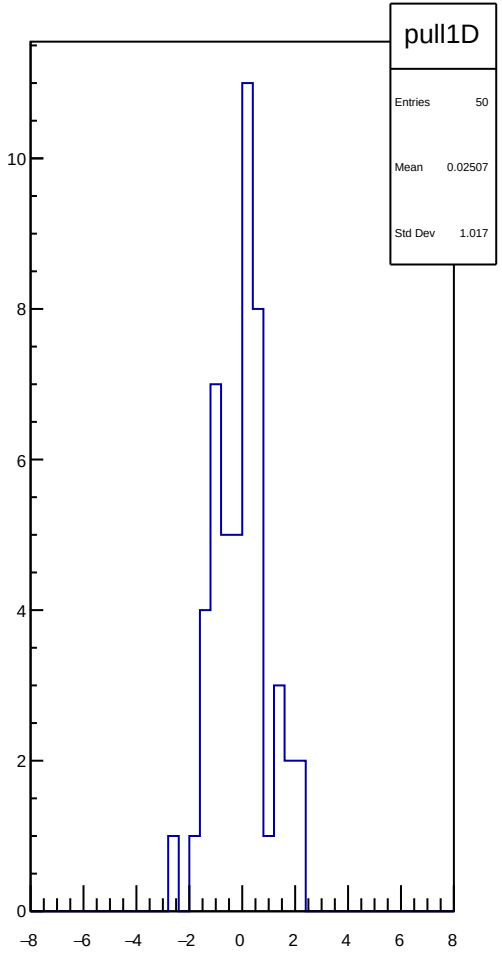
5814. 4
5814. 5

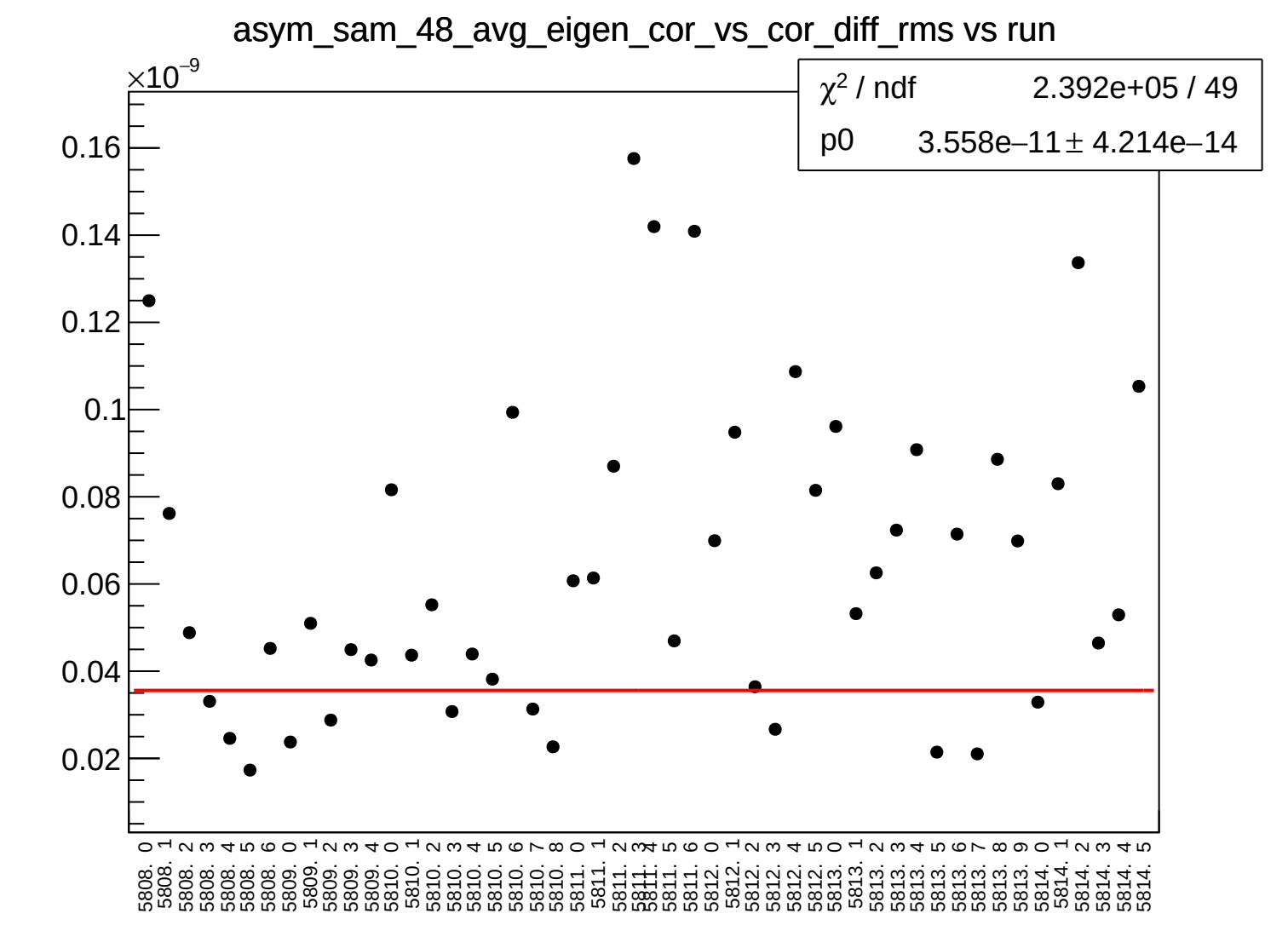

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.07 / 49
p0 −0.08249 ± 0.04514
pull
Entries 50
Mean 26.21
Std Dev 26.13

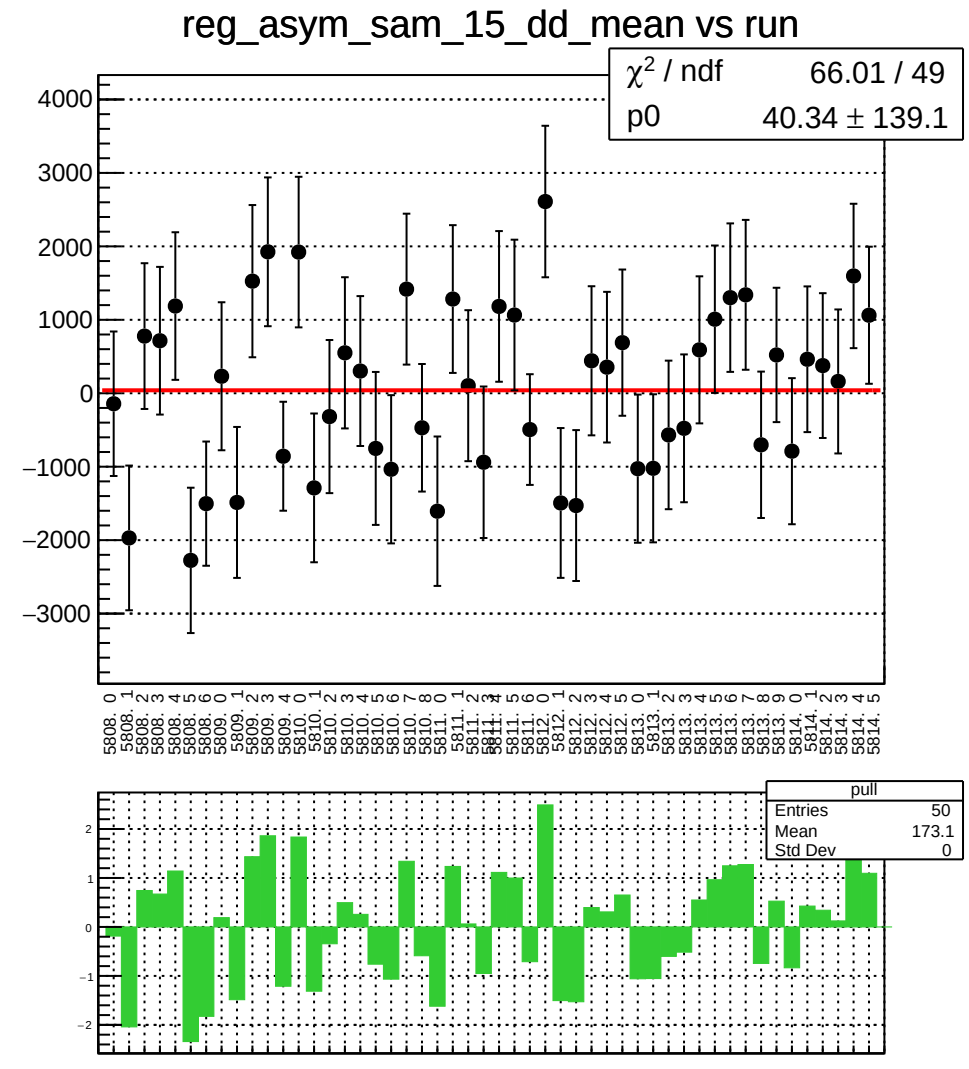

pull1D
Entries 50
Mean −0.02749
Std Dev 1.059

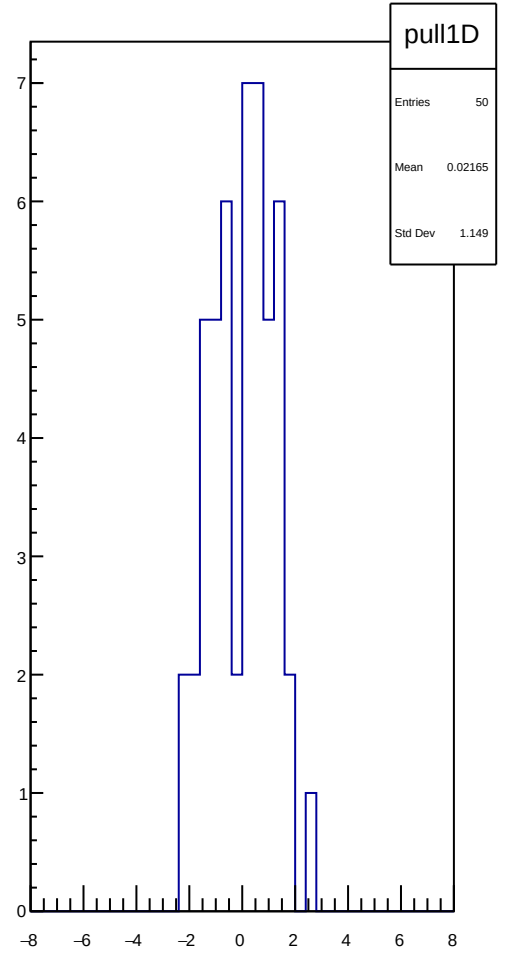

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.968e+04 / 49
p0 29.82 ± 0.03192
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

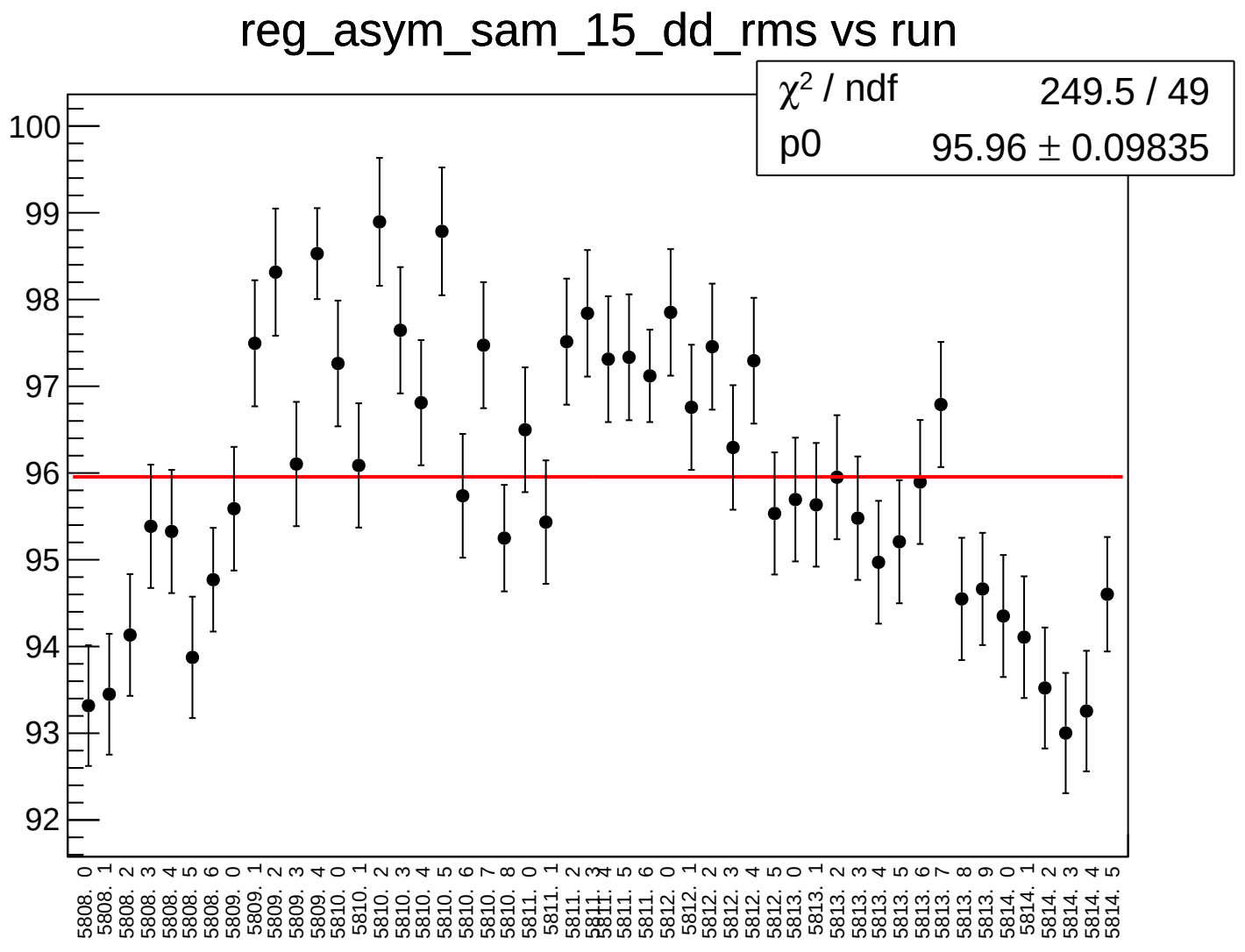

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.75 / 49
p0 −2.23e−14 ± 5.96e−14
pull
Entries 50
Mean −4.894
Std Dev 0

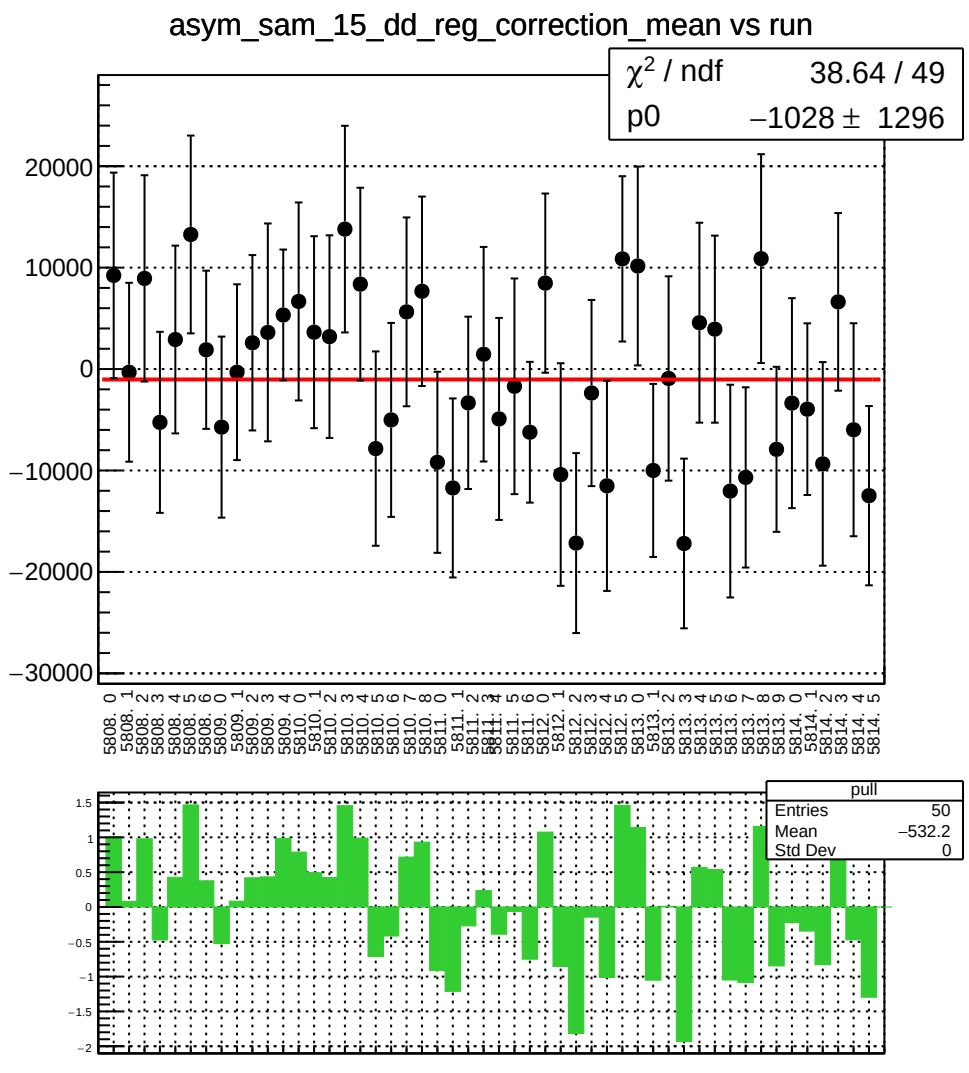

pull1D
Entries 50
Mean 0.02507
Std Dev 1.017

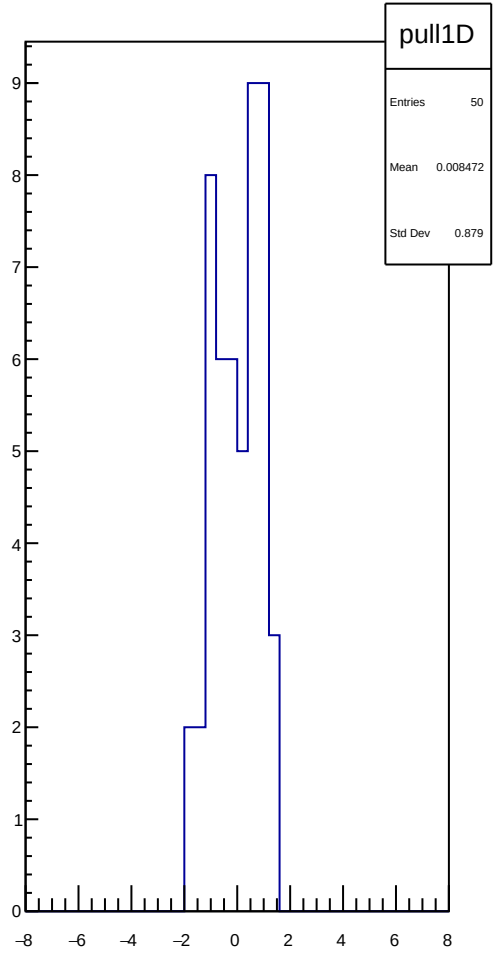

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.392e+05 / 49
p0 3.558e−11 ± 4.214e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

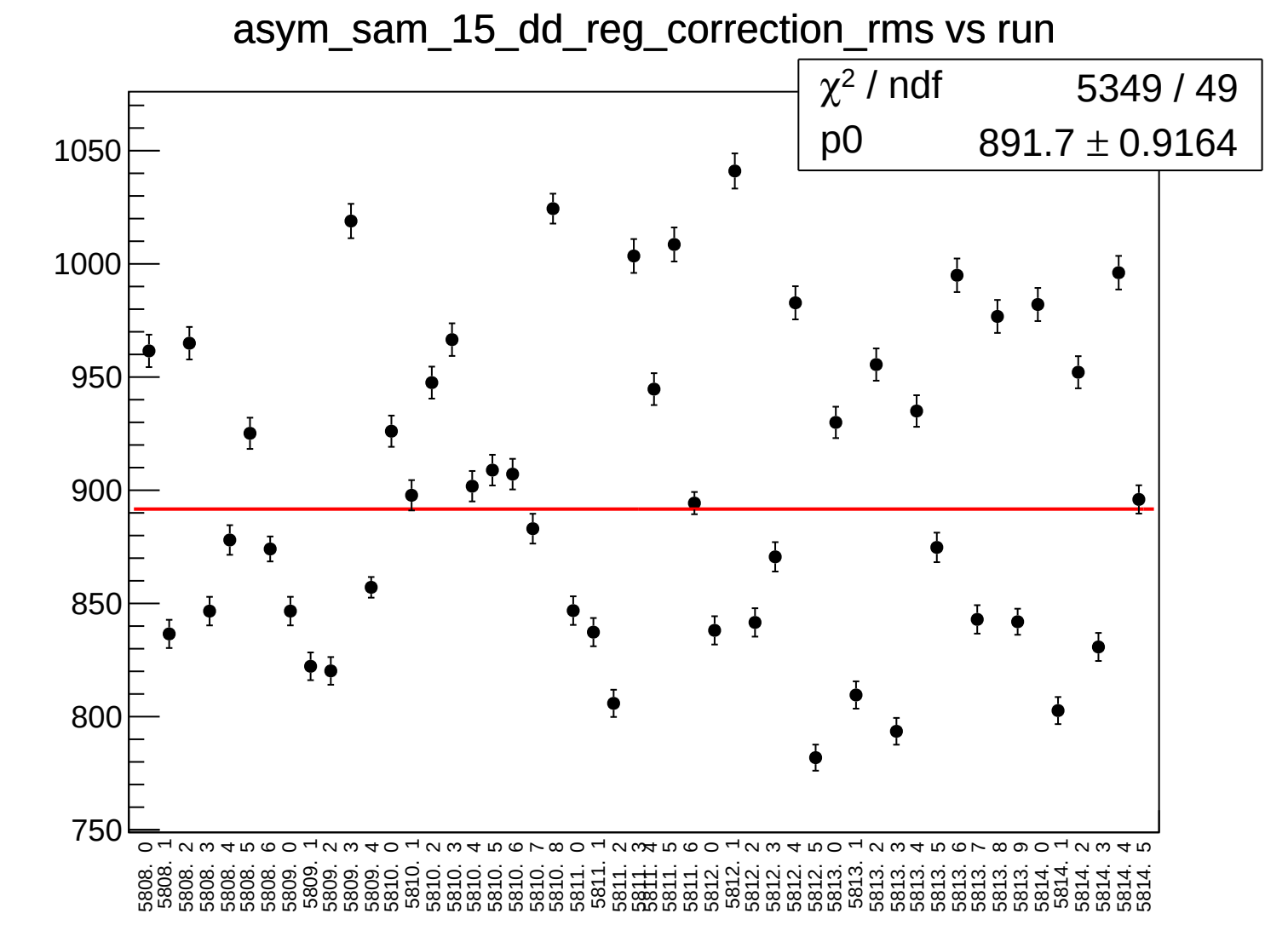

reg_asym_sam_15_dd_mean vs run
χ² / ndf 66.01 / 49
p0 40.34 ± 139.1
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 173.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.02165
Std Dev 1.149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_dd_rms vs run
χ² / ndf 249.5 / 49
p0 95.96 ± 0.09835
100
99
98
97
96
95
94
93
92
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 38.64 / 49
p0 −1028 ± 1296
pull
Entries 50
Mean −532.2
Std Dev 0


pull1D
Entries 50
Mean 0.008472
Std Dev 0.879


asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 5349 / 49
p0 891.7 ± 0.9164
1050
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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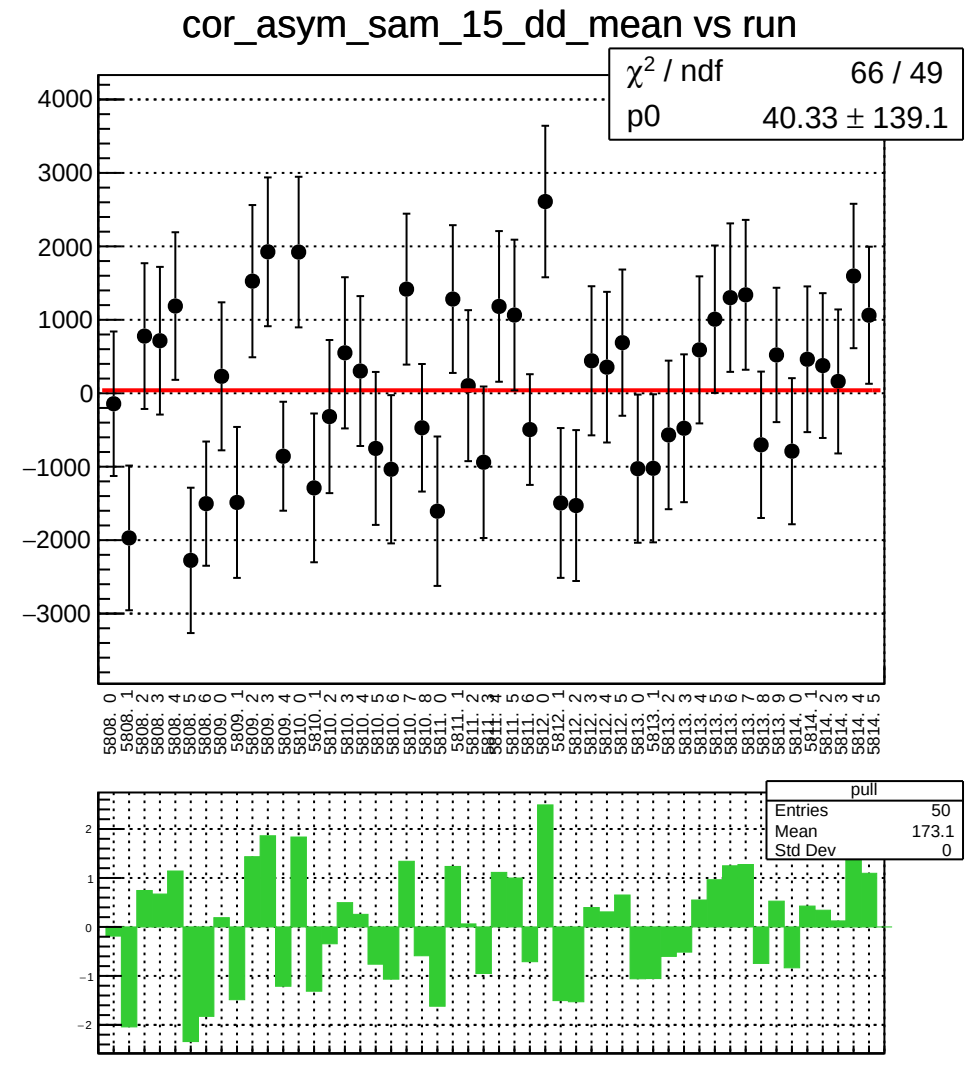
5814. 4
5814. 5


cor_asym_sam_15_dd_mean vs run
χ² / ndf 66 / 49
p0 40.33 ± 139.1
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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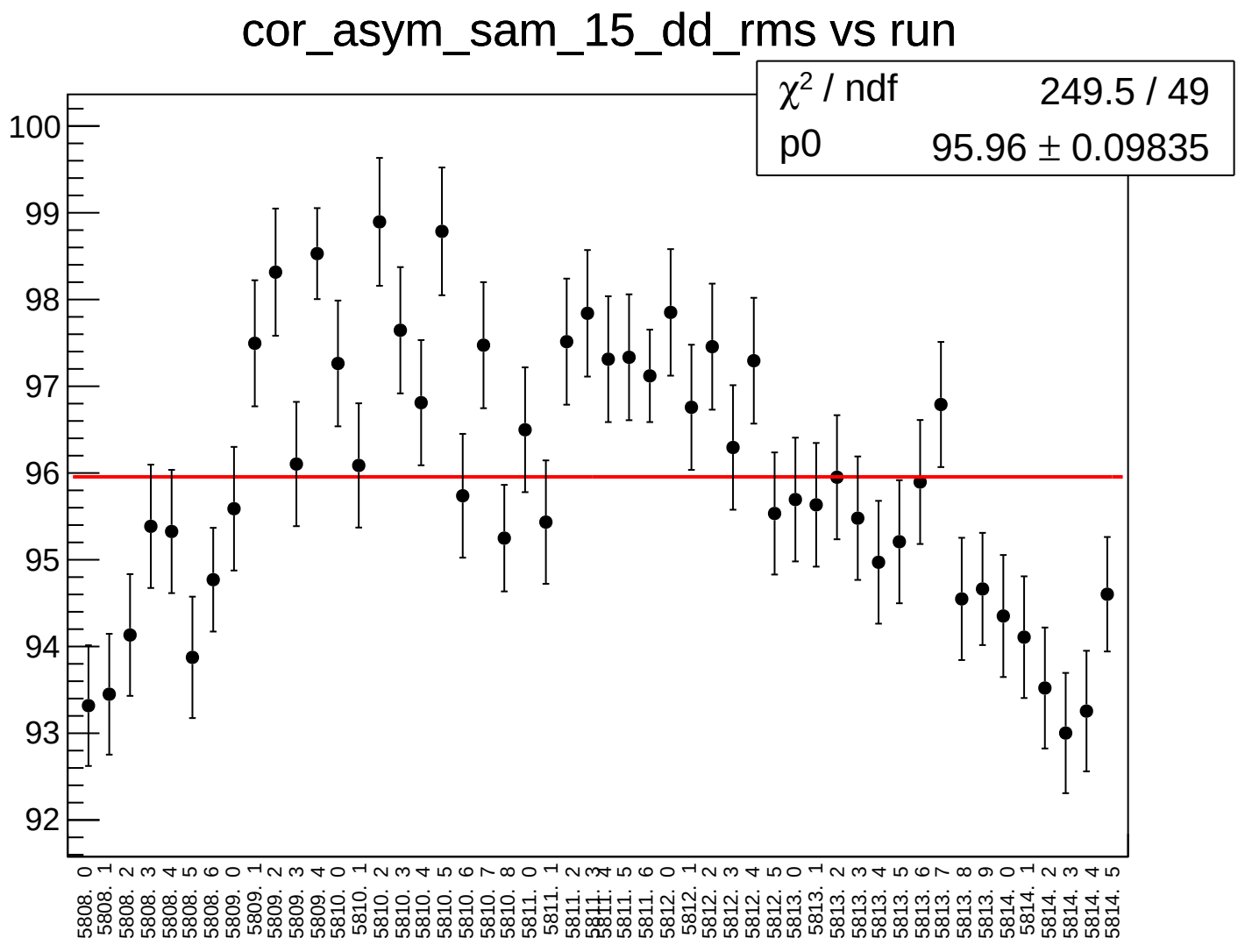
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 173.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02165
Std Dev 1.149
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_dd_rms vs run
χ² / ndf 249.5 / 49
p0 95.96 ± 0.09835
100
99
98
97
96
95
94
93
92
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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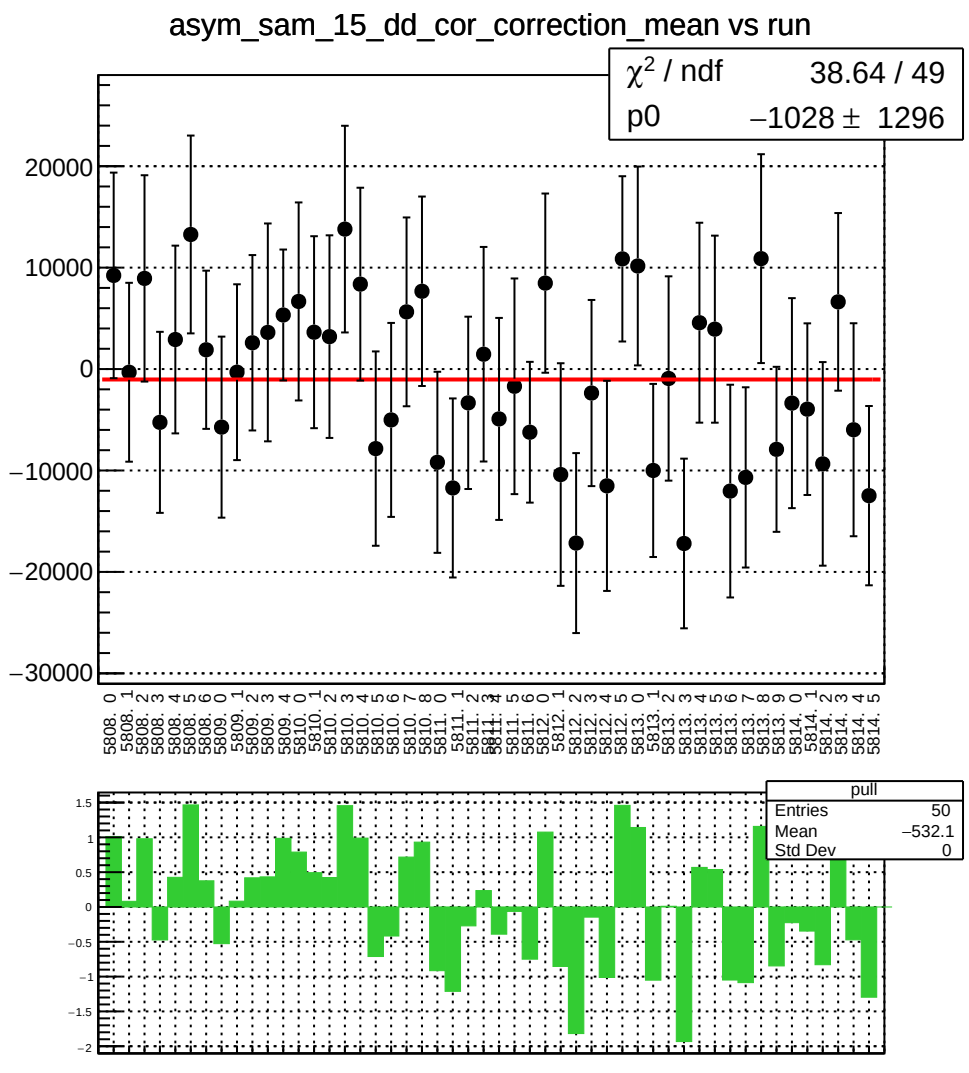
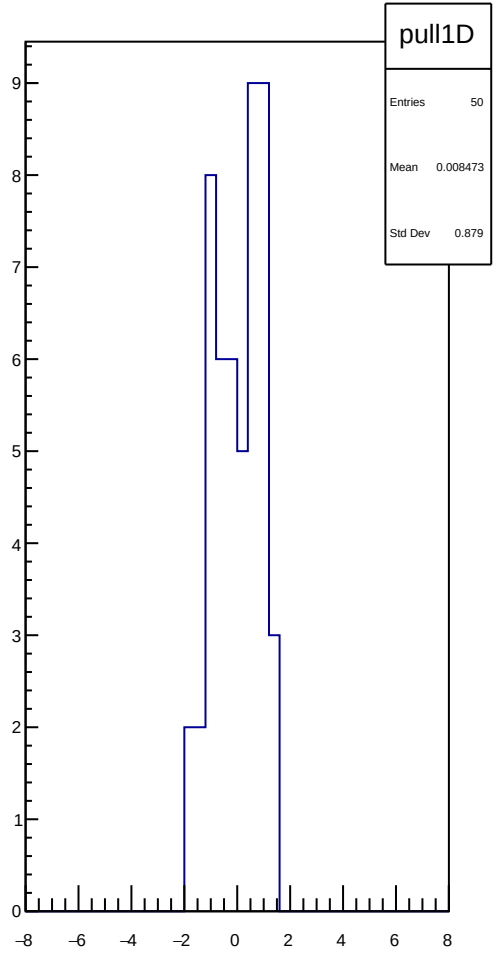
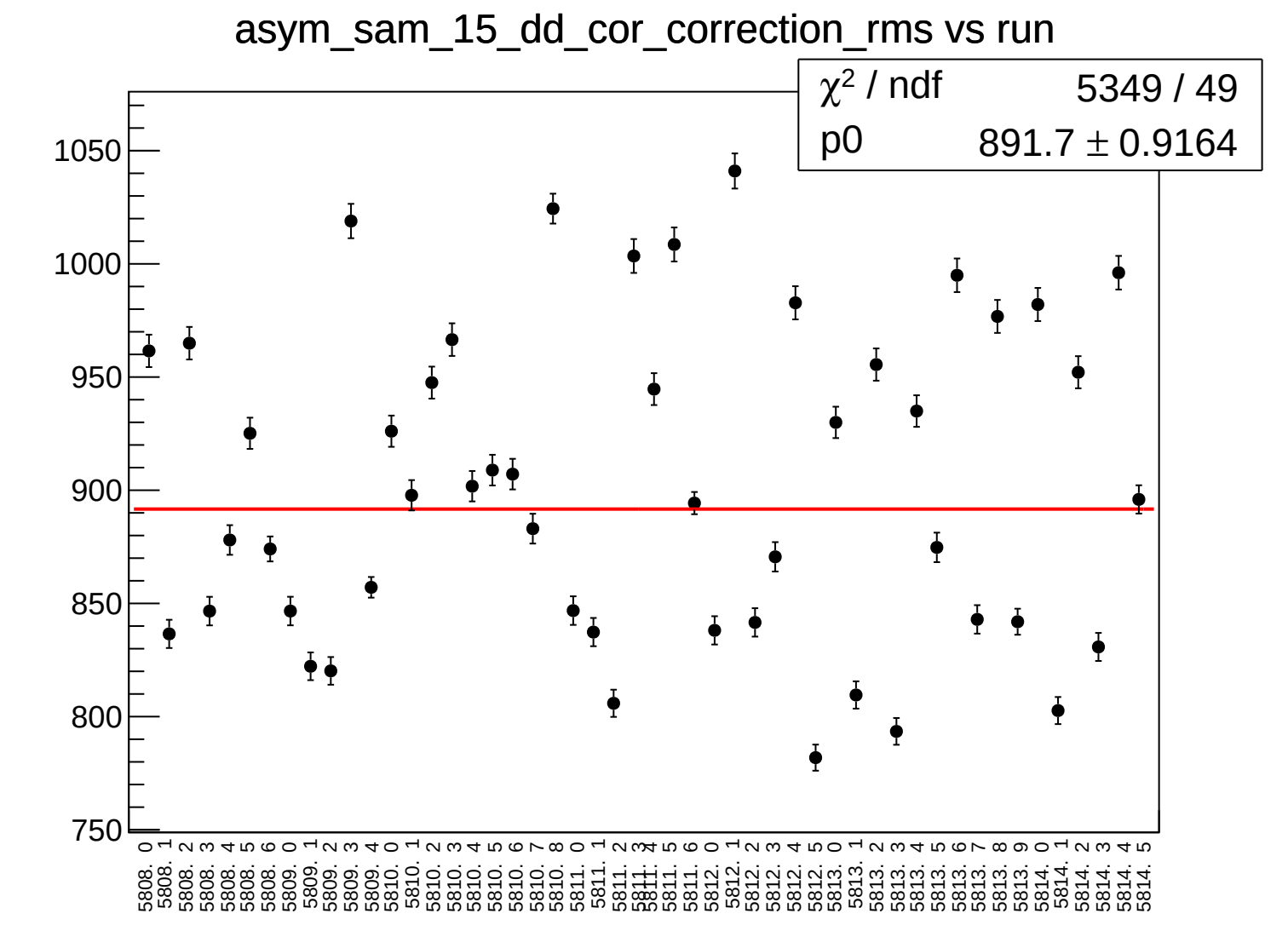
5814. 4
5814. 5


asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 38.64 / 49
p0 −1028 ± 1296
pull
Entries 50
Mean −532.1
Std Dev 0


pull1D
Entries 50
Mean 0.008473
Std Dev 0.879


asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 5349 / 49
p0 891.7 ± 0.9164
1050
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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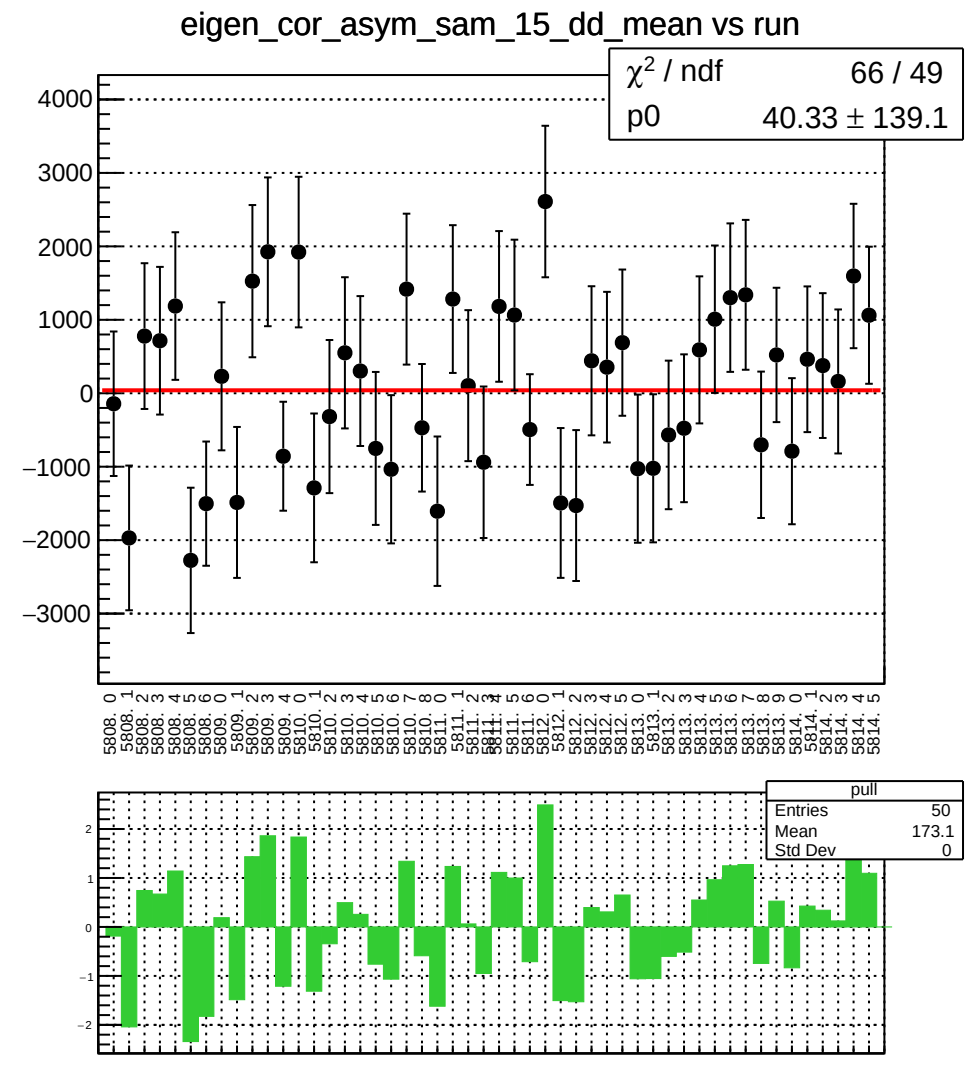
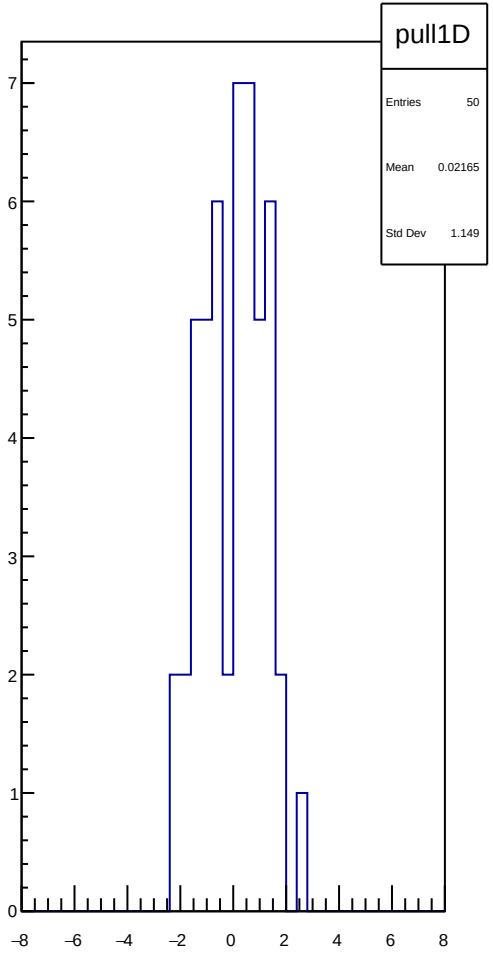
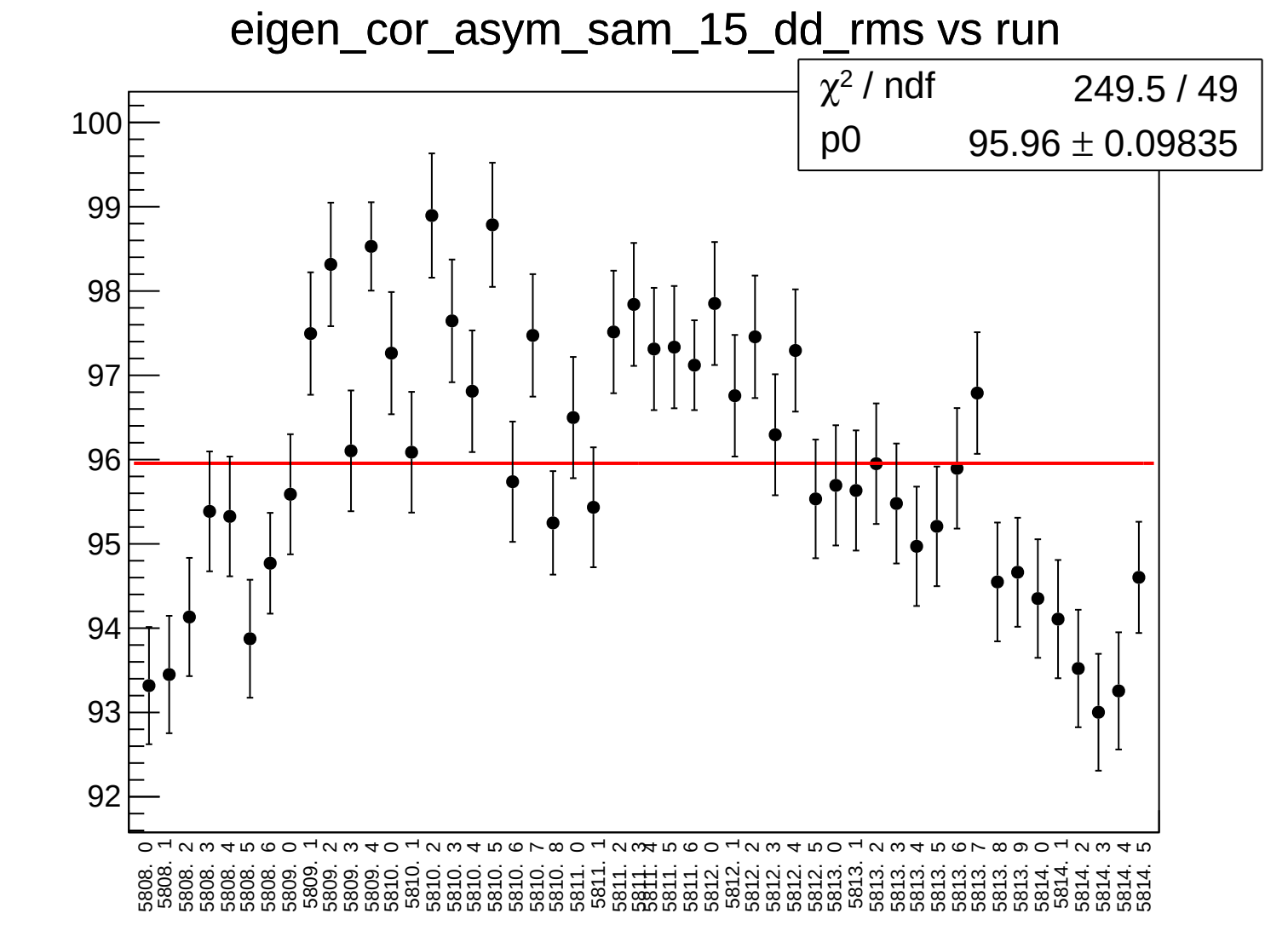
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 66 / 49
p0 40.33 ± 139.1
pull
Entries 50
Mean 173.1
Std Dev 0


pull1D
Entries 50
Mean 0.02165
Std Dev 1.149


eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 249.5 / 49
p0 95.96 ± 0.09835
100
99
98
97
96
95
94
93
92
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
5810. 7
5810. 8
5811. 0
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5813. 2
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5813. 5
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5813. 9
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5814. 2
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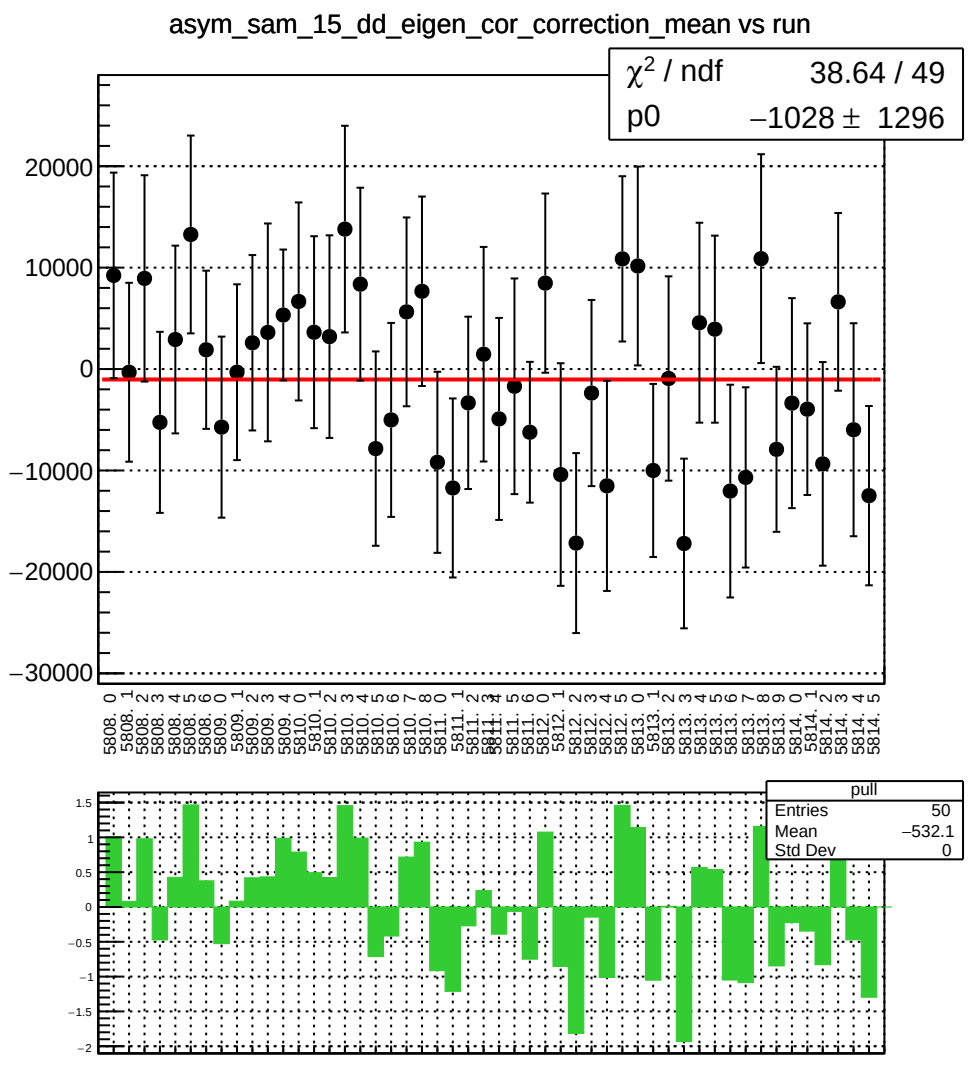
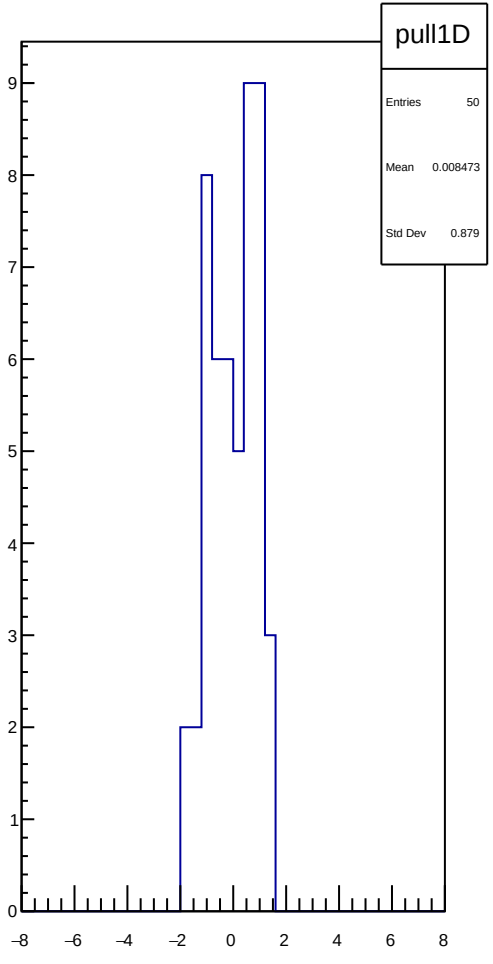
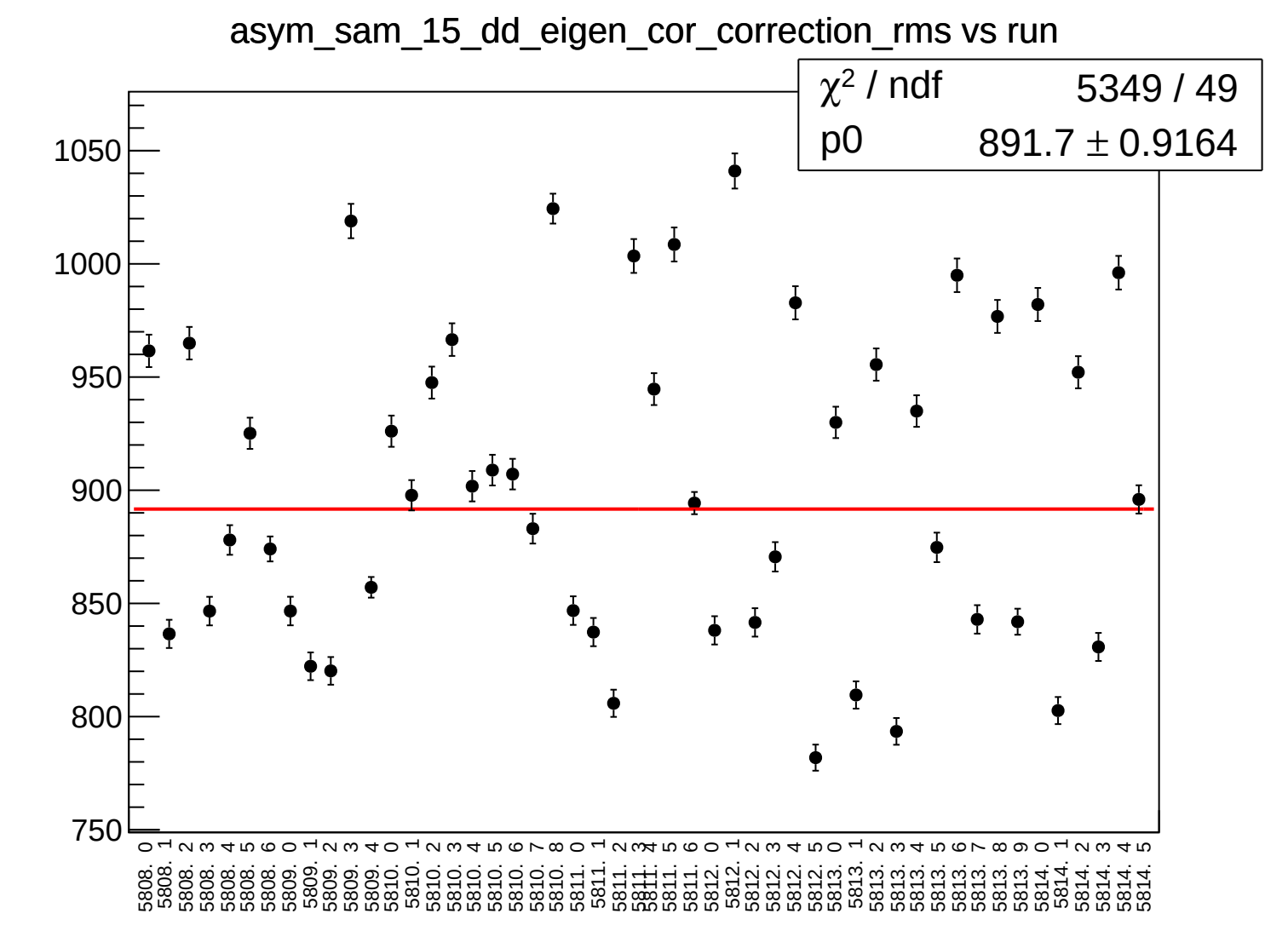
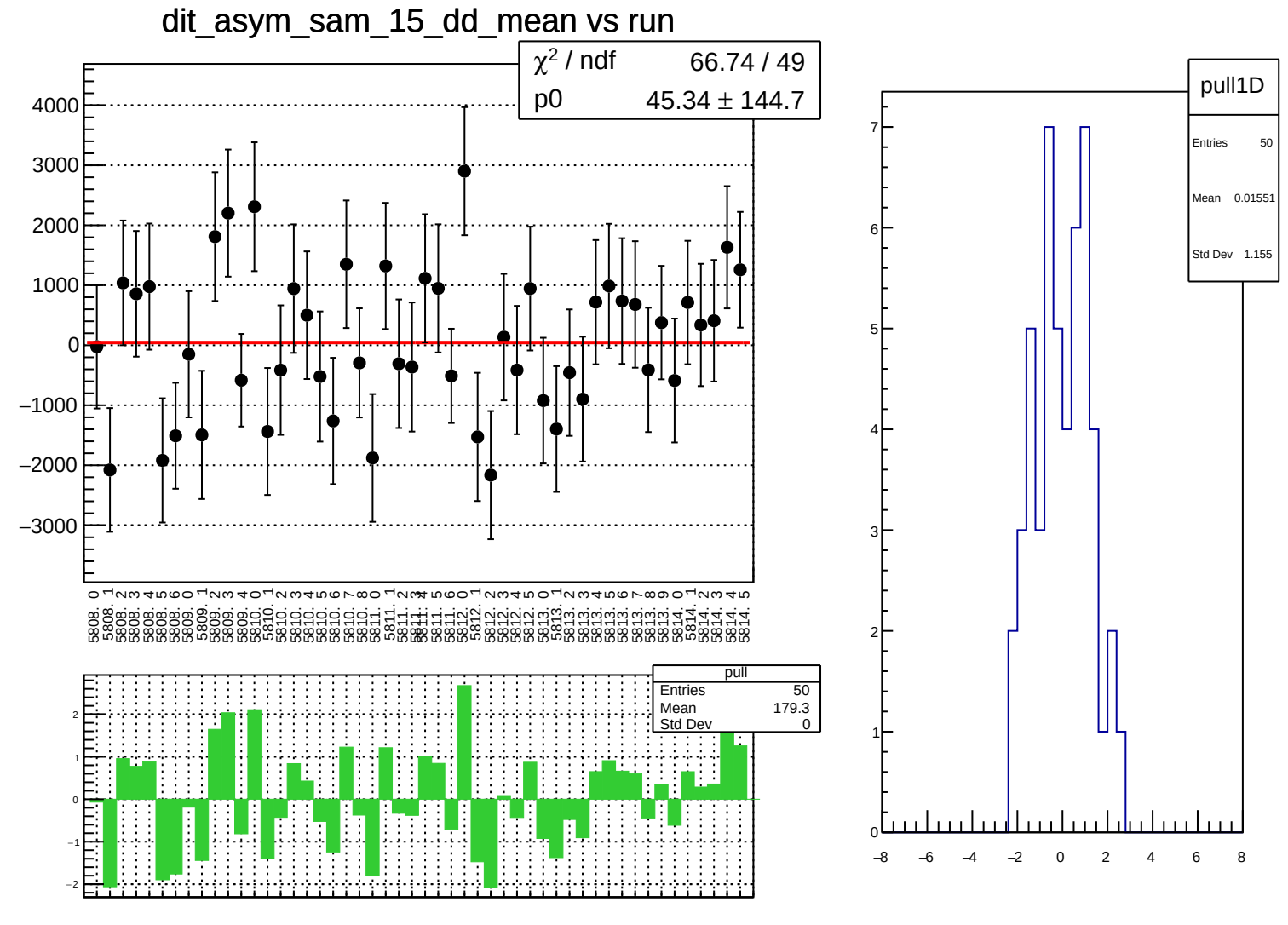
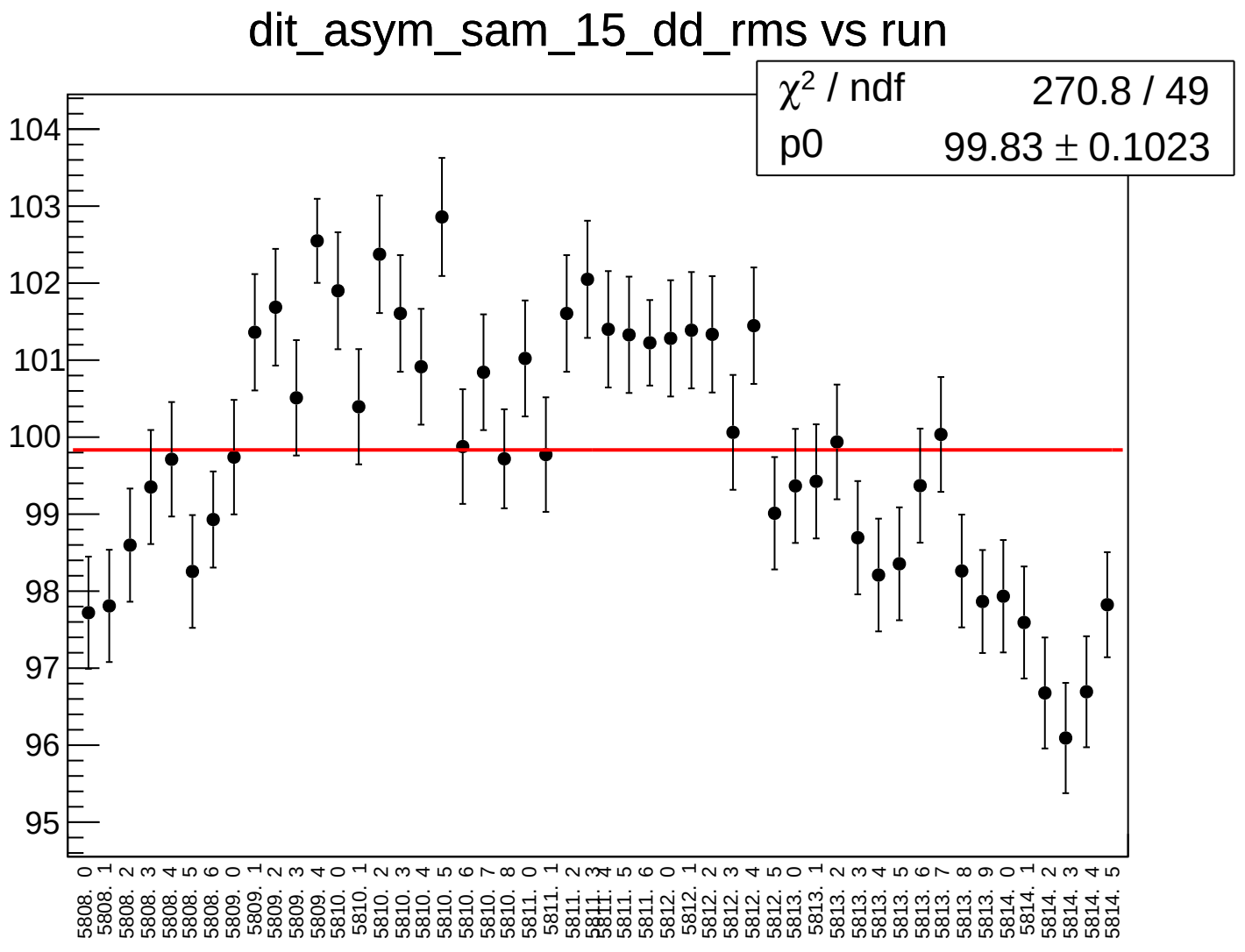
5814. 4
5814. 5


asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 38.64 / 49
p0 −1028 ± 1296
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −532.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.008473
Std Dev 0.879
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 5349 / 49
p0 891.7 ± 0.9164
1050
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_15_dd_mean vs run
χ² / ndf 66.74 / 49
p0 45.34 ± 144.7
pull
Entries 50
Mean 179.3
Std Dev 0
pull1D
Entries 50
Mean 0.01551
Std Dev 1.155


dit_asym_sam_15_dd_rms vs run
χ² / ndf 270.8 / 49
p0 99.83 ± 0.1023
104
103
102
101
100
99
98
97
96
95
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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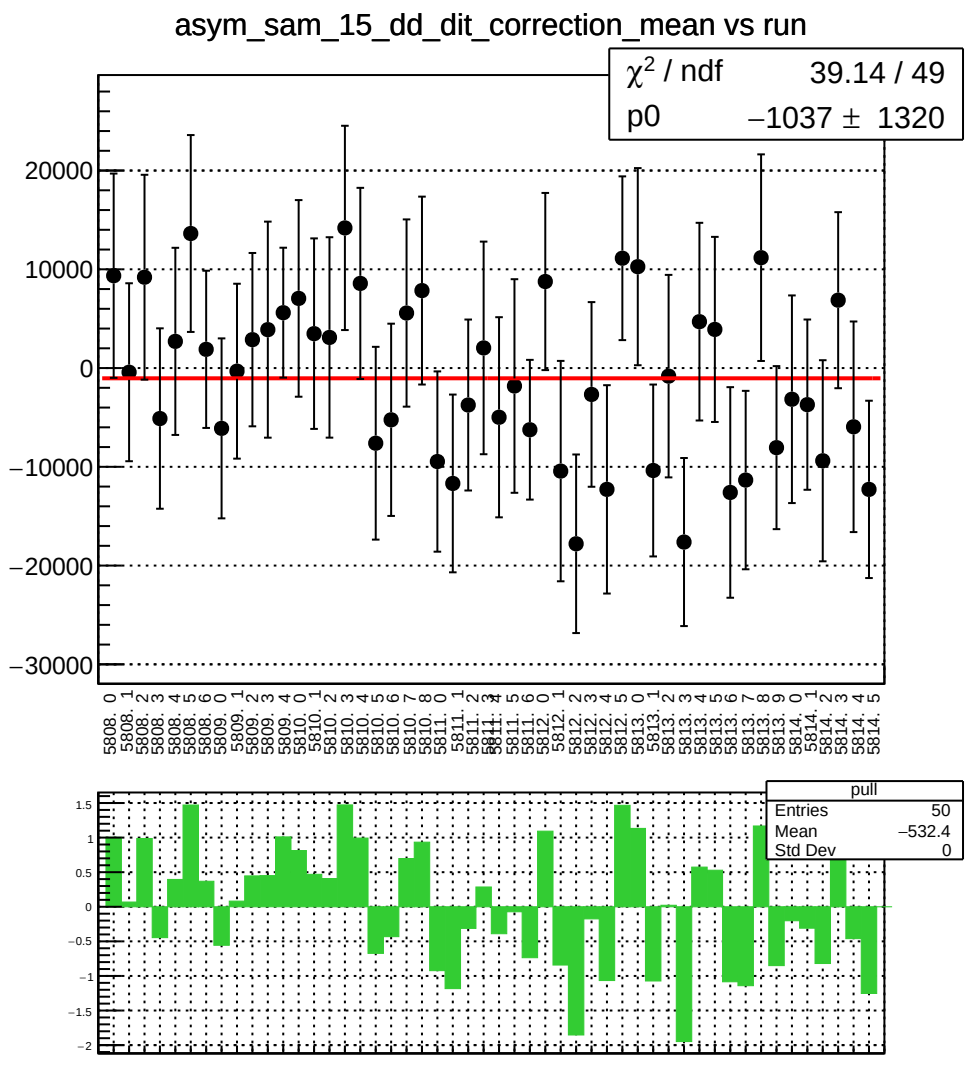
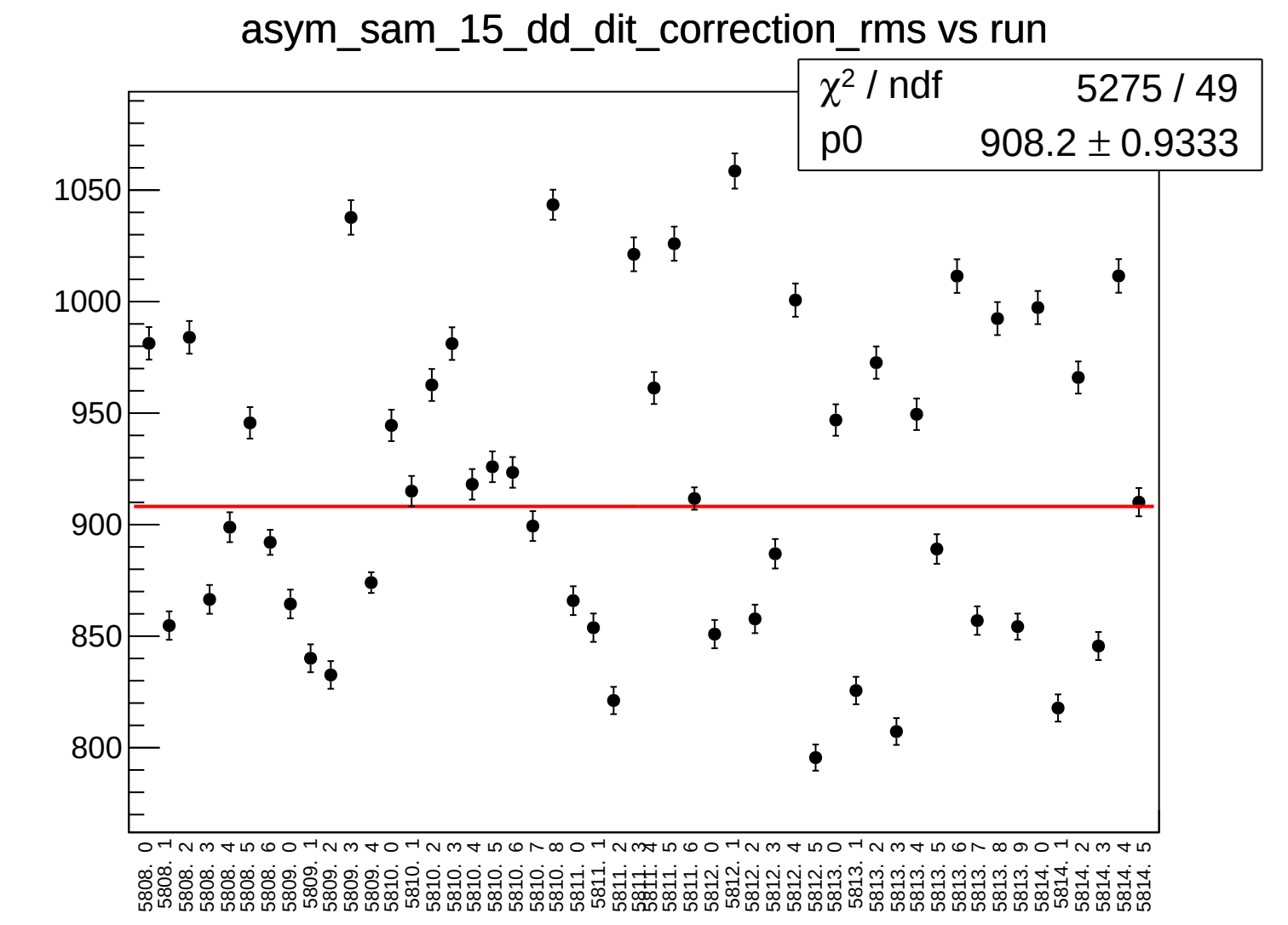
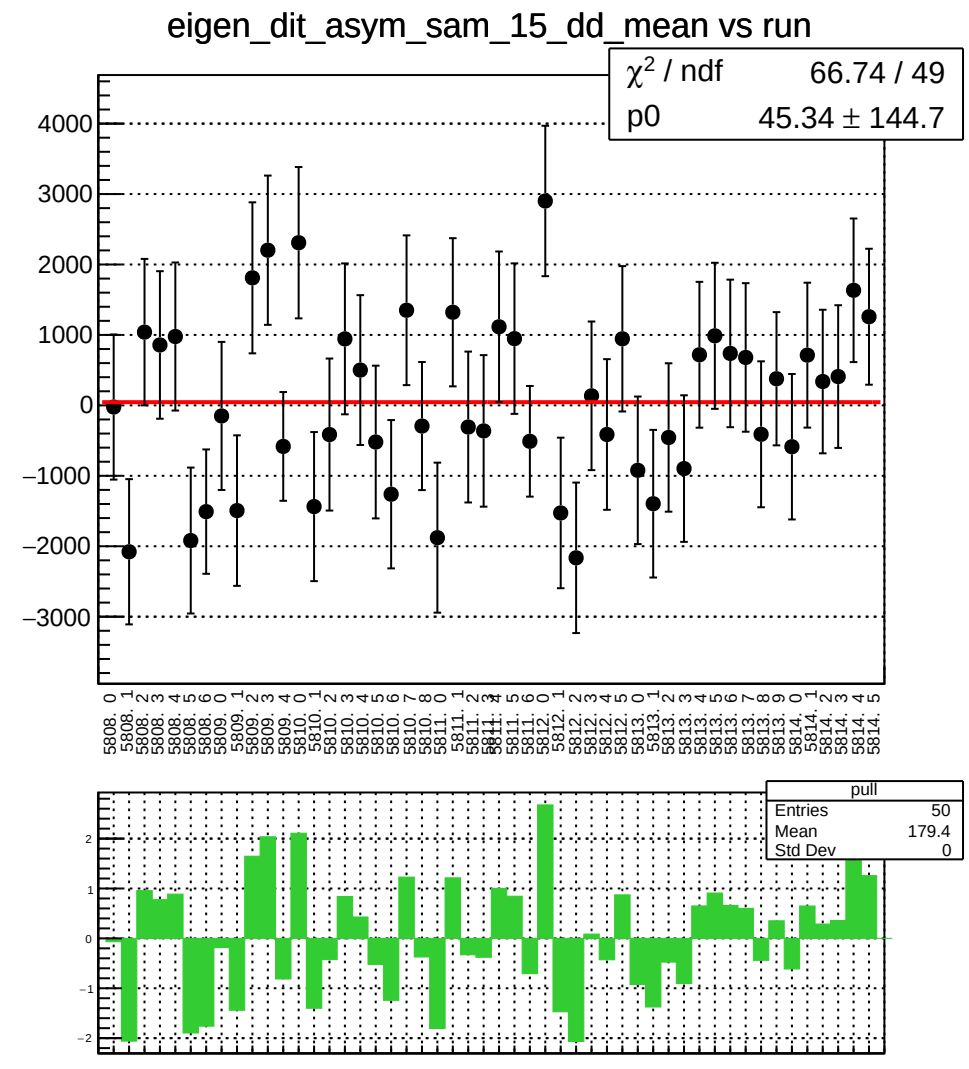
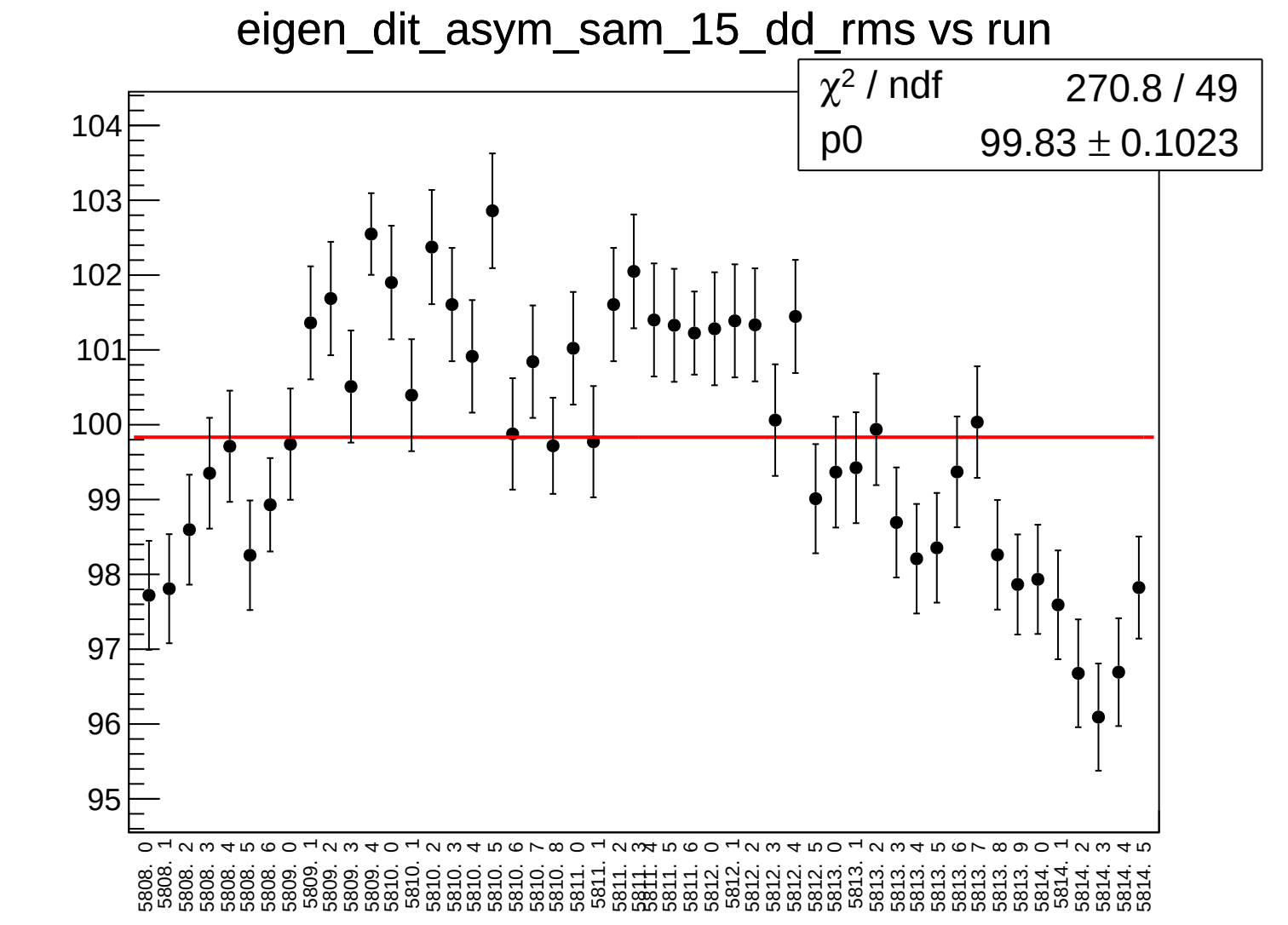
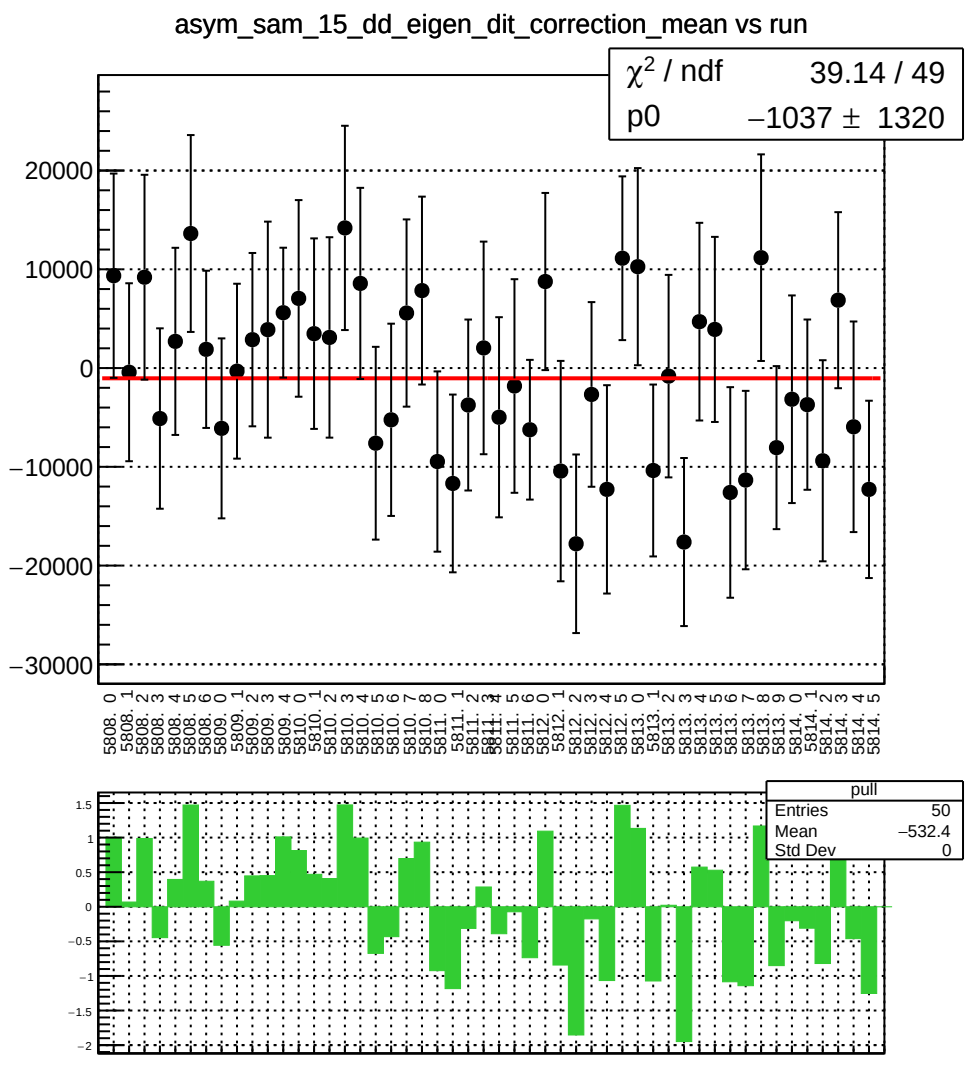
5814. 4
5814. 5

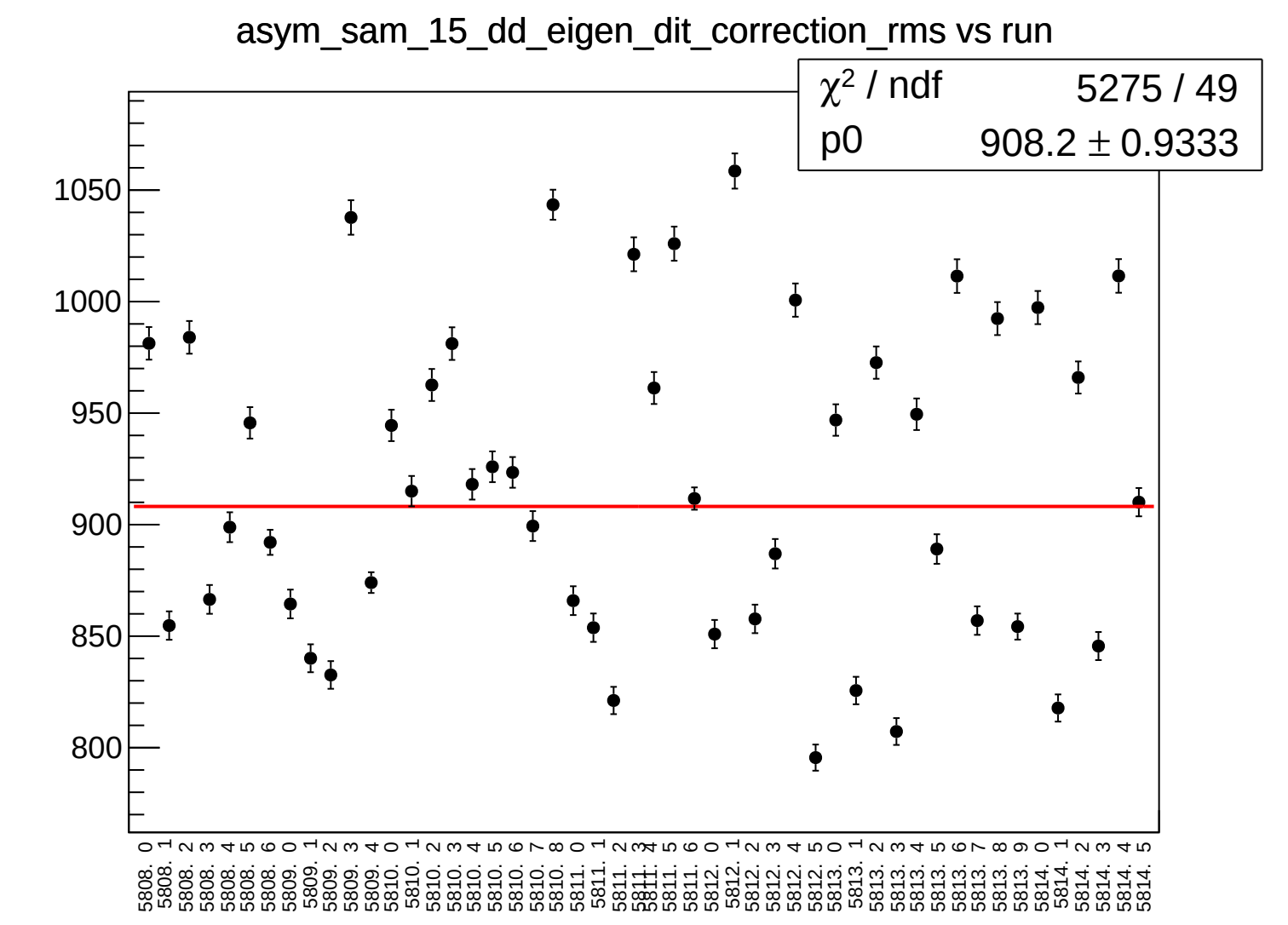

asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 39.14 / 49
p0 −1037 ± 1320
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −532.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008453
Std Dev 0.8847
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

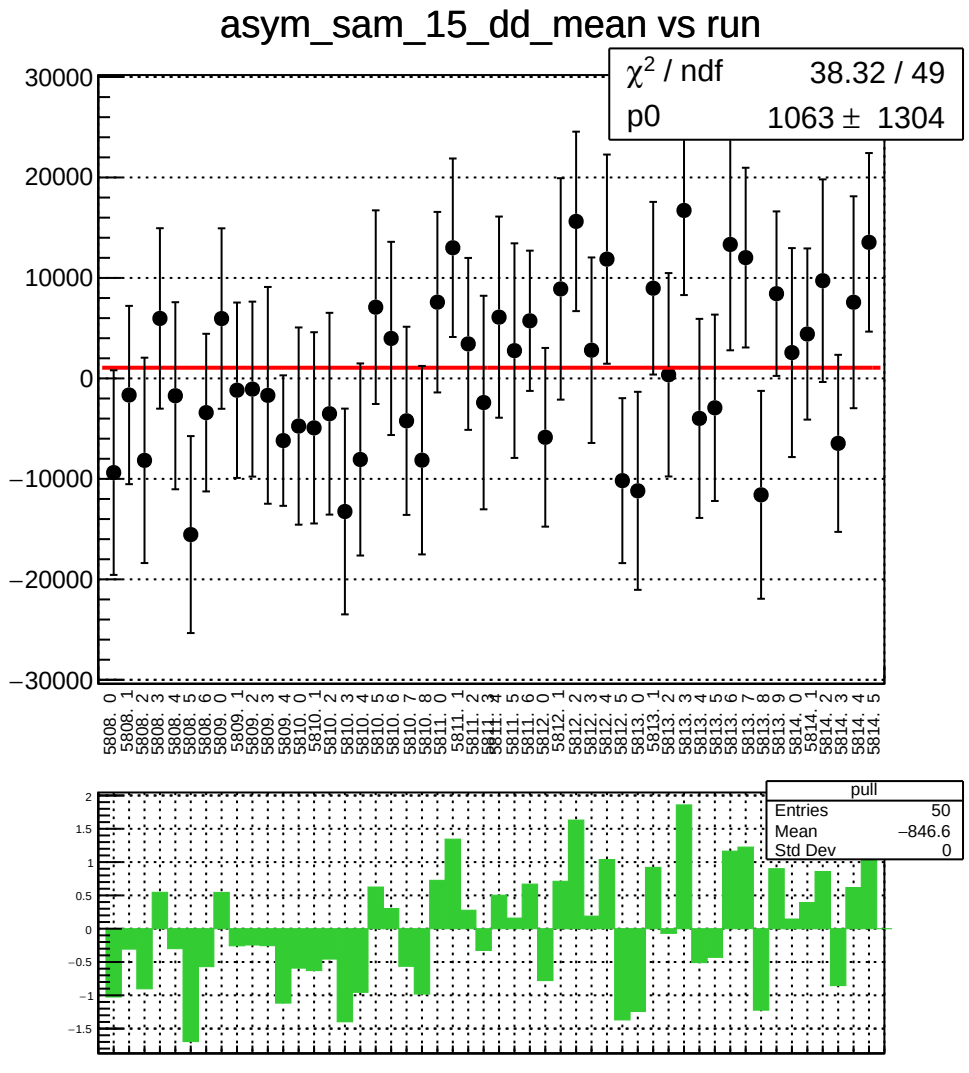

asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 5275 / 49
p0 908.2 ± 0.9333
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

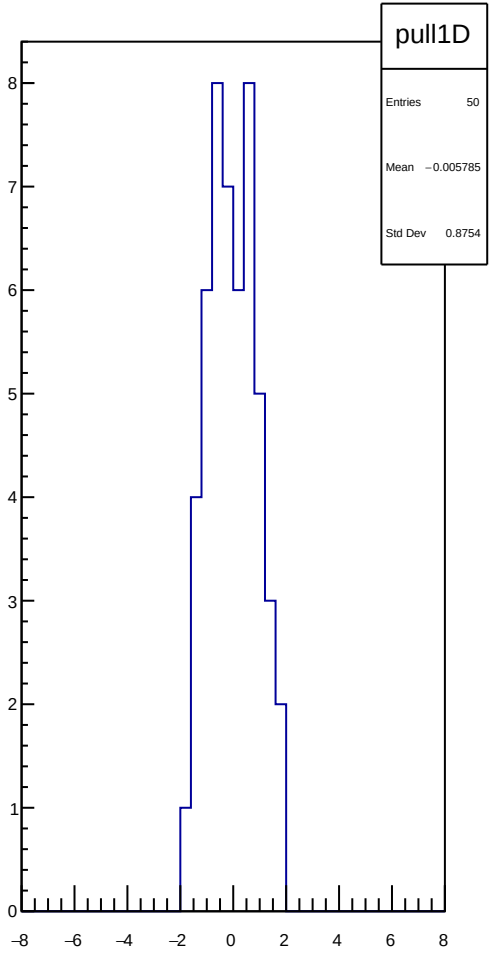

eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 66.74 / 49
p0 45.34 ± 144.7
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 179.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01551
Std Dev 1.155
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

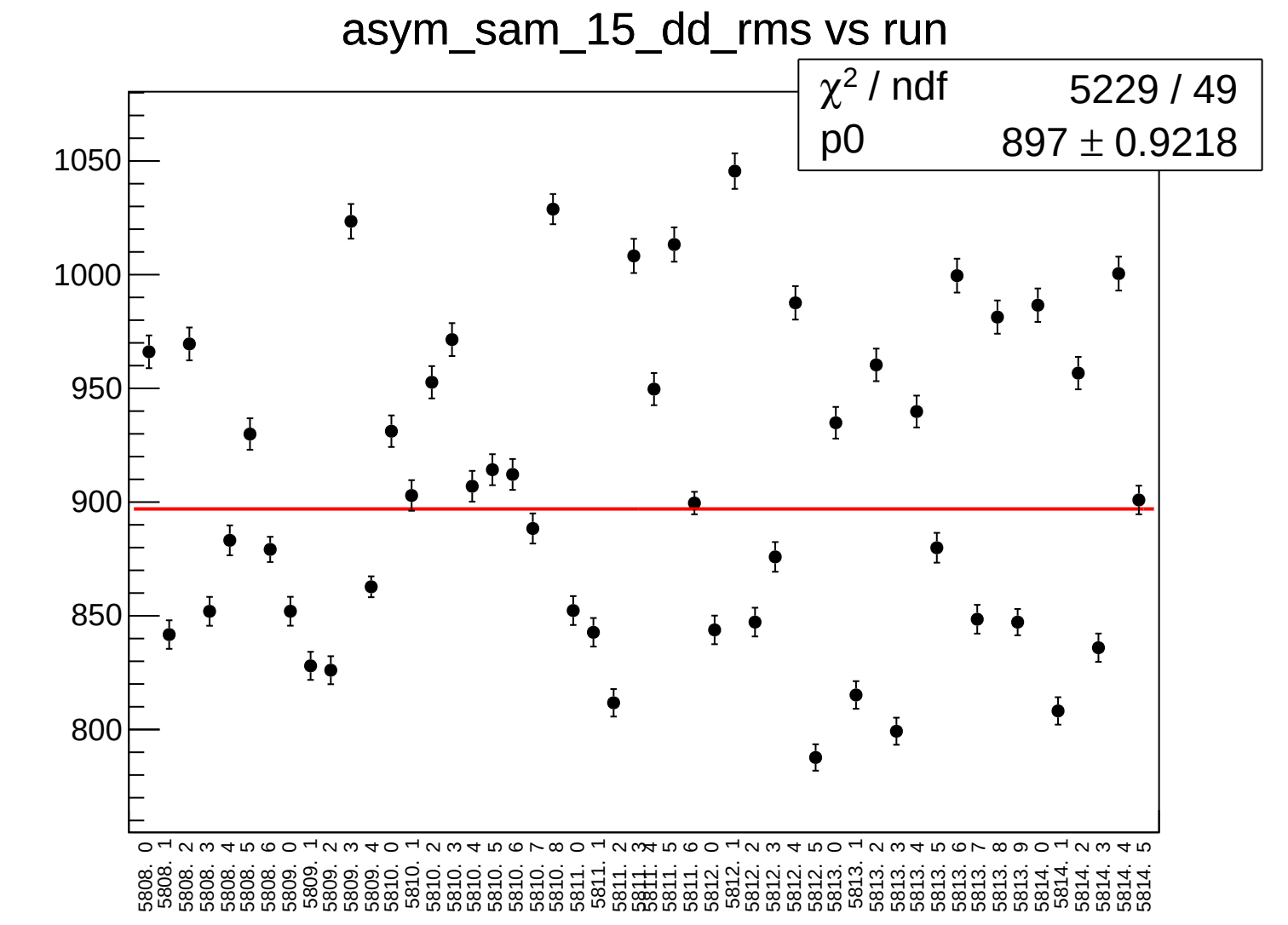

eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 270.8 / 49
p0 99.83 ± 0.1023
104
103
102
101
100
99
98
97
96
95
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

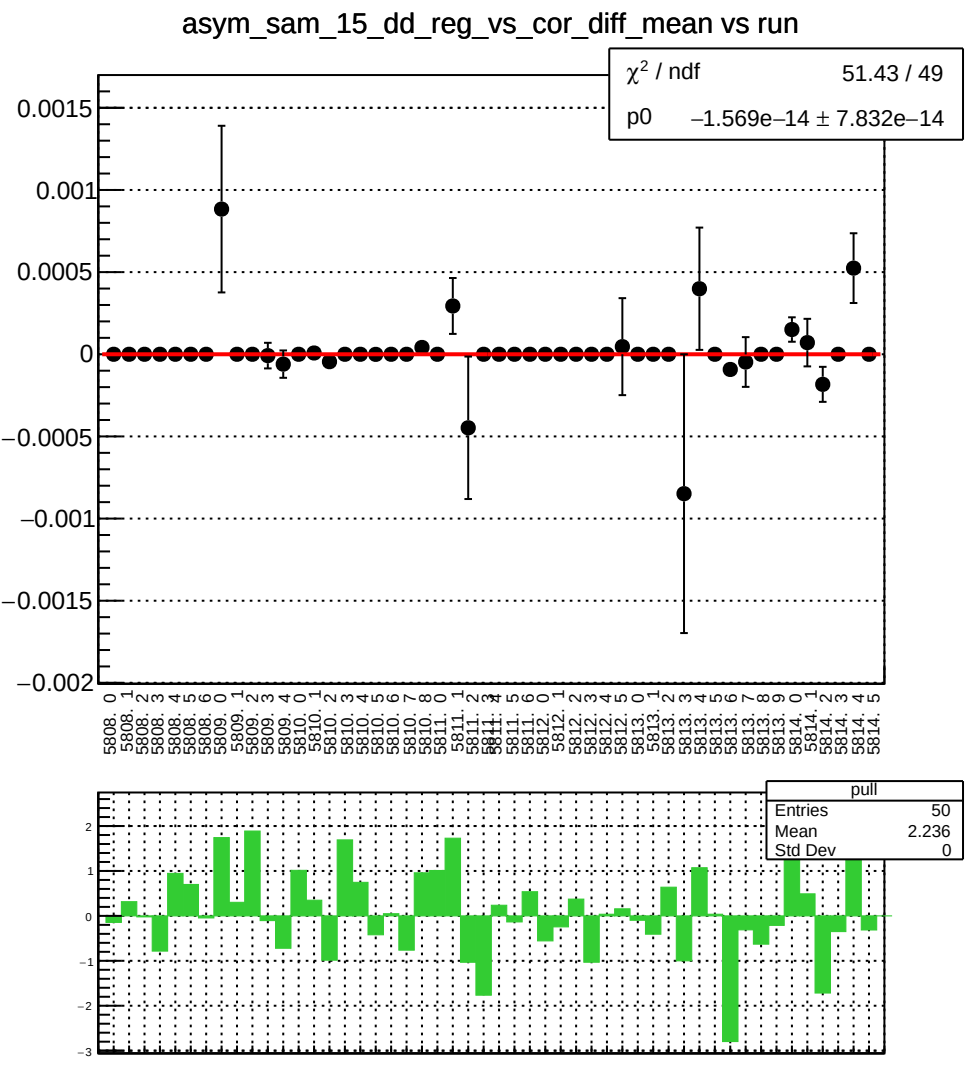

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.14 / 49
p0 −1037 ± 1320
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −532.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.008453
Std Dev 0.8847
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

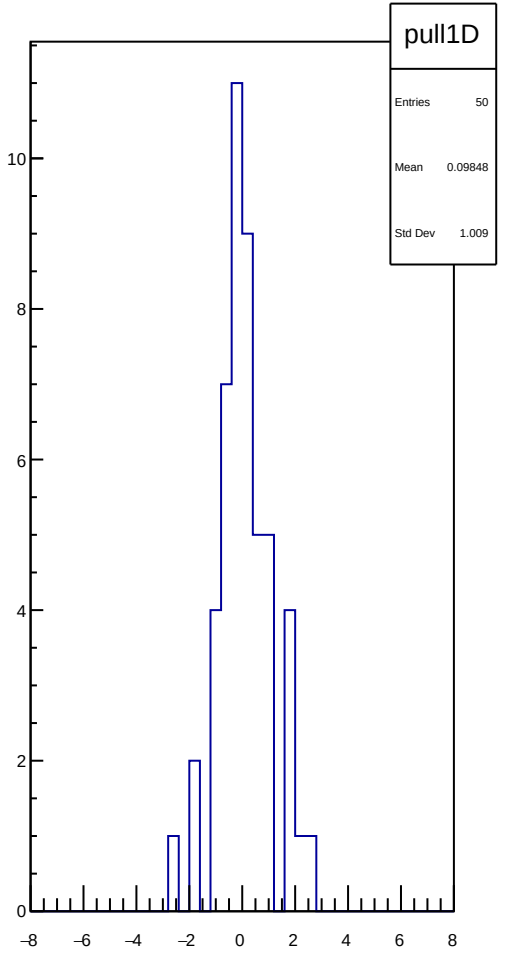

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 5275 / 49
p0 908.2 ± 0.9333
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

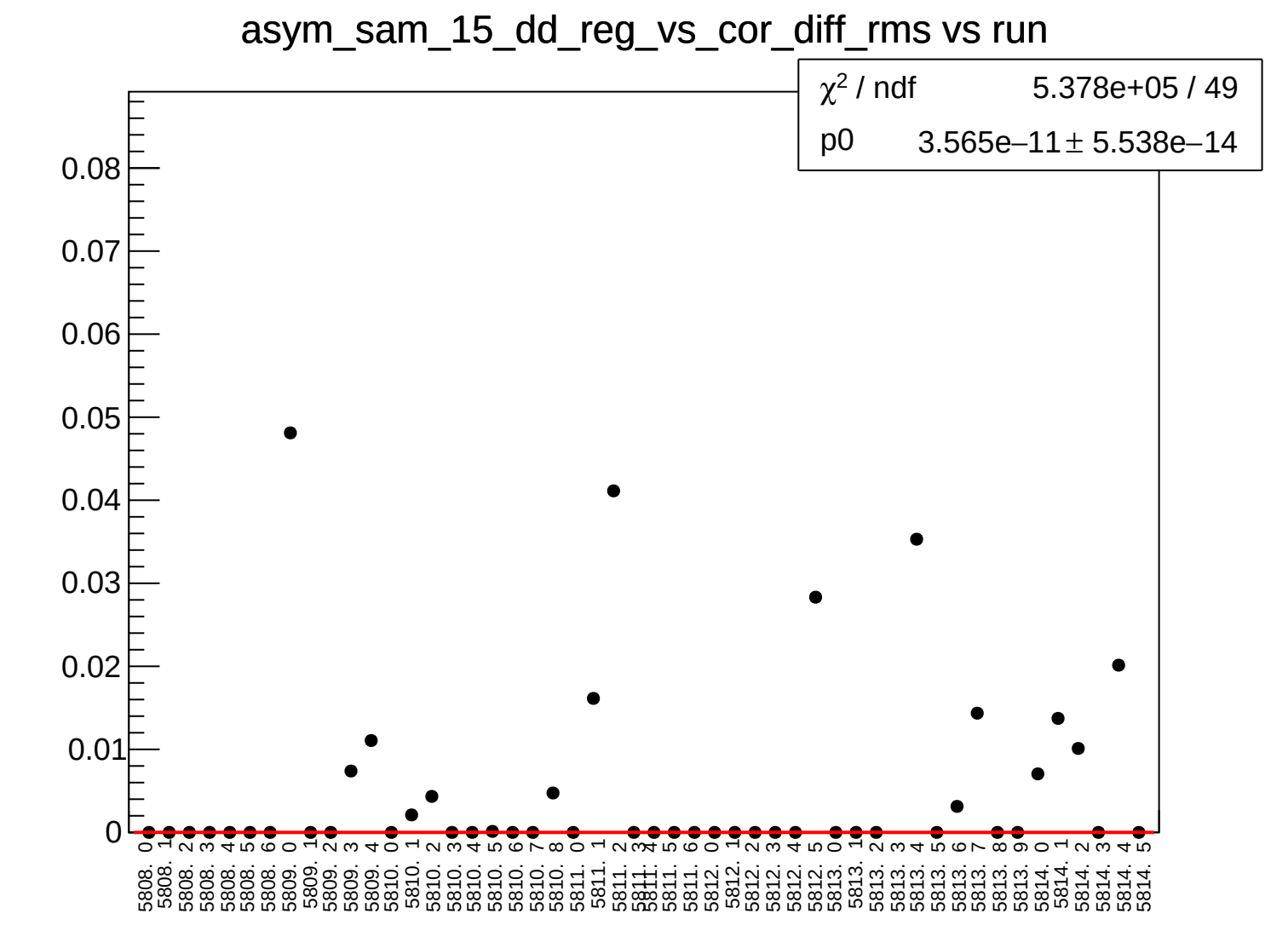

asym_sam_15_dd_mean vs run
χ² / ndf 38.32 / 49
p0 1063 ± 1304
pull
Entries 50
Mean −846.6
Std Dev 0

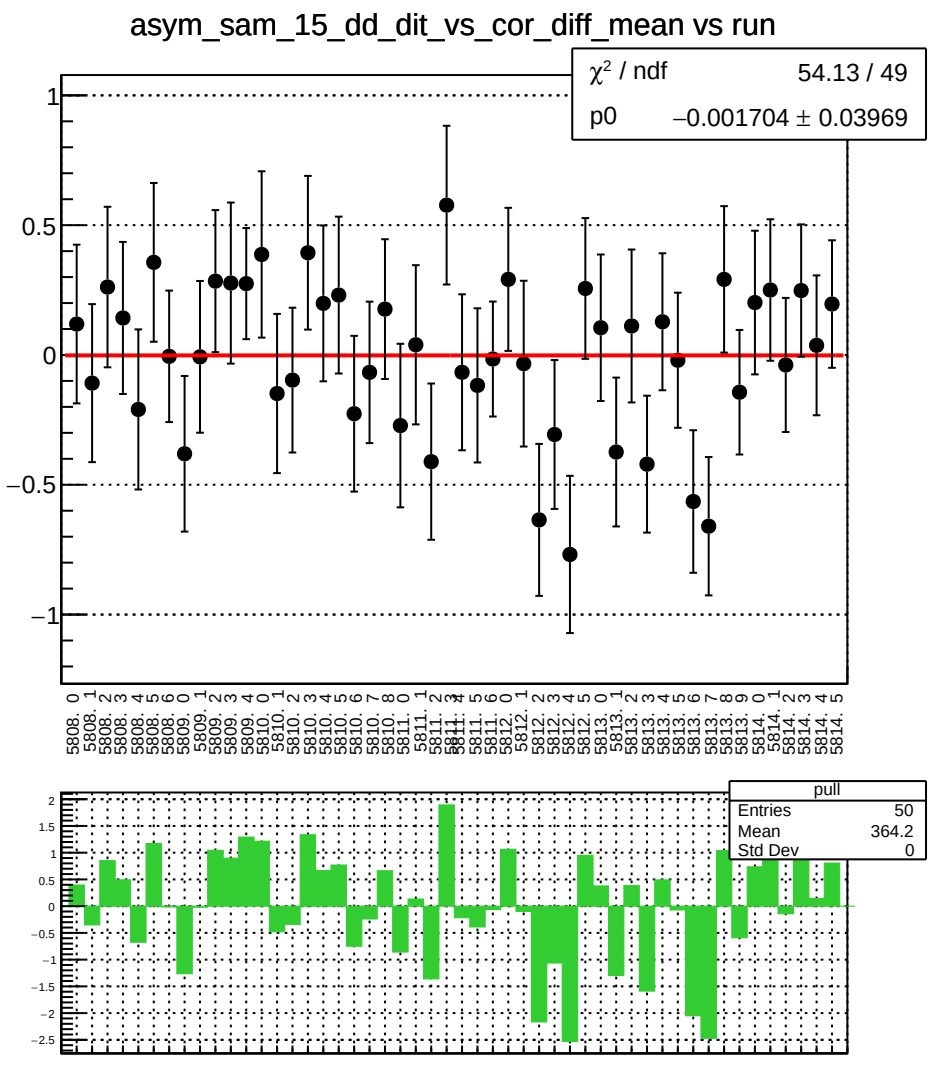

pull1D
Entries 50
Mean −0.005785
Std Dev 0.8754

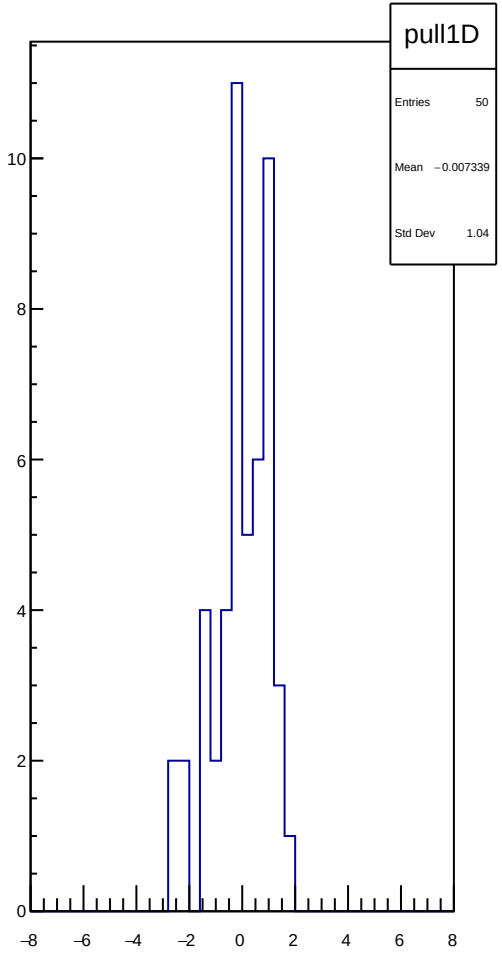

asym_sam_15_dd_rms vs run
χ² / ndf 5229 / 49
p0 897 ± 0.9218
1050
1000
950
900
850
800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

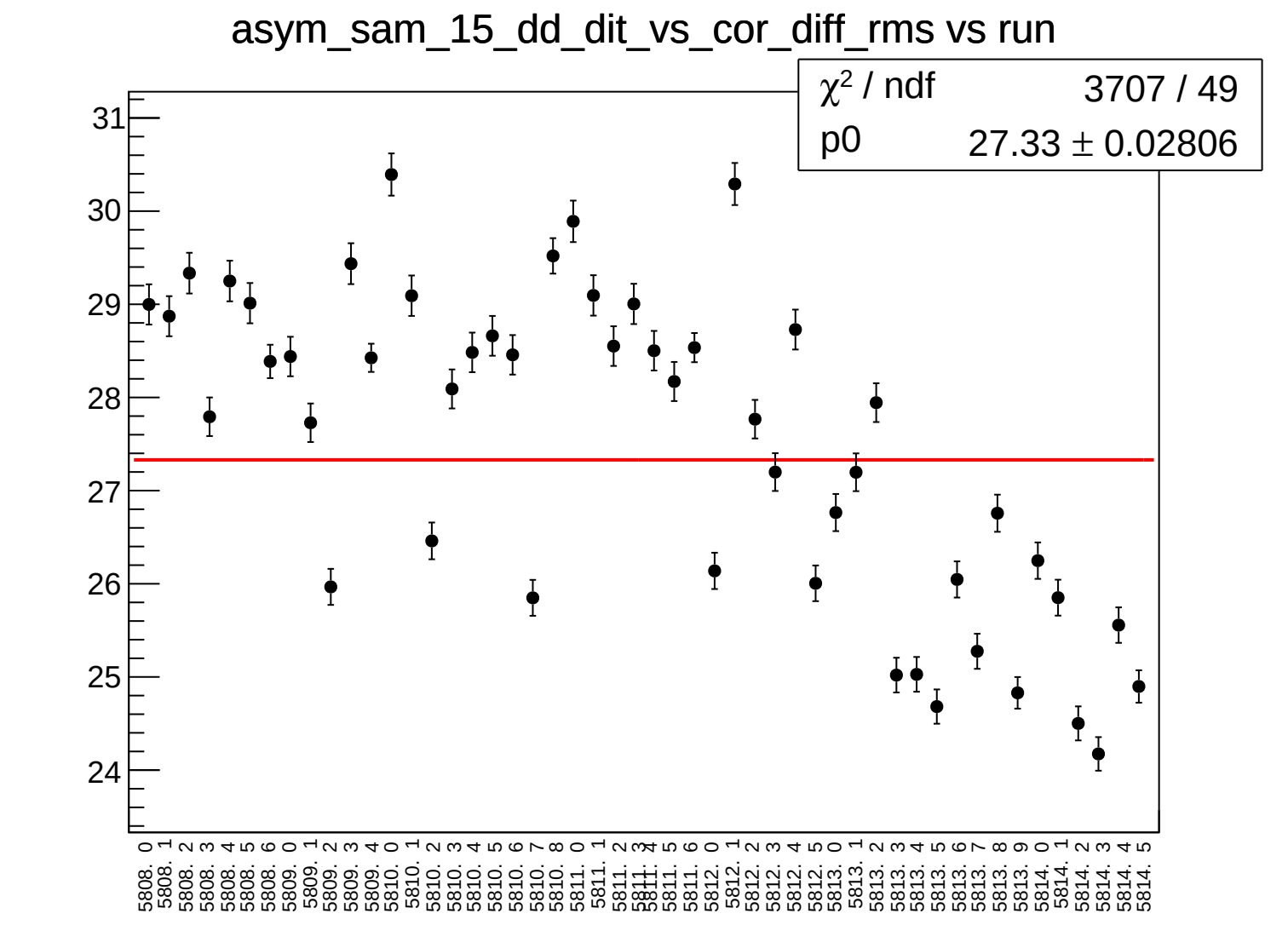

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 51.43 / 49
p0 −1.569e−14 ± 7.832e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
pull
Entries 50
Mean 2.236
Std Dev 0
2
1
0
−1
−2
−3

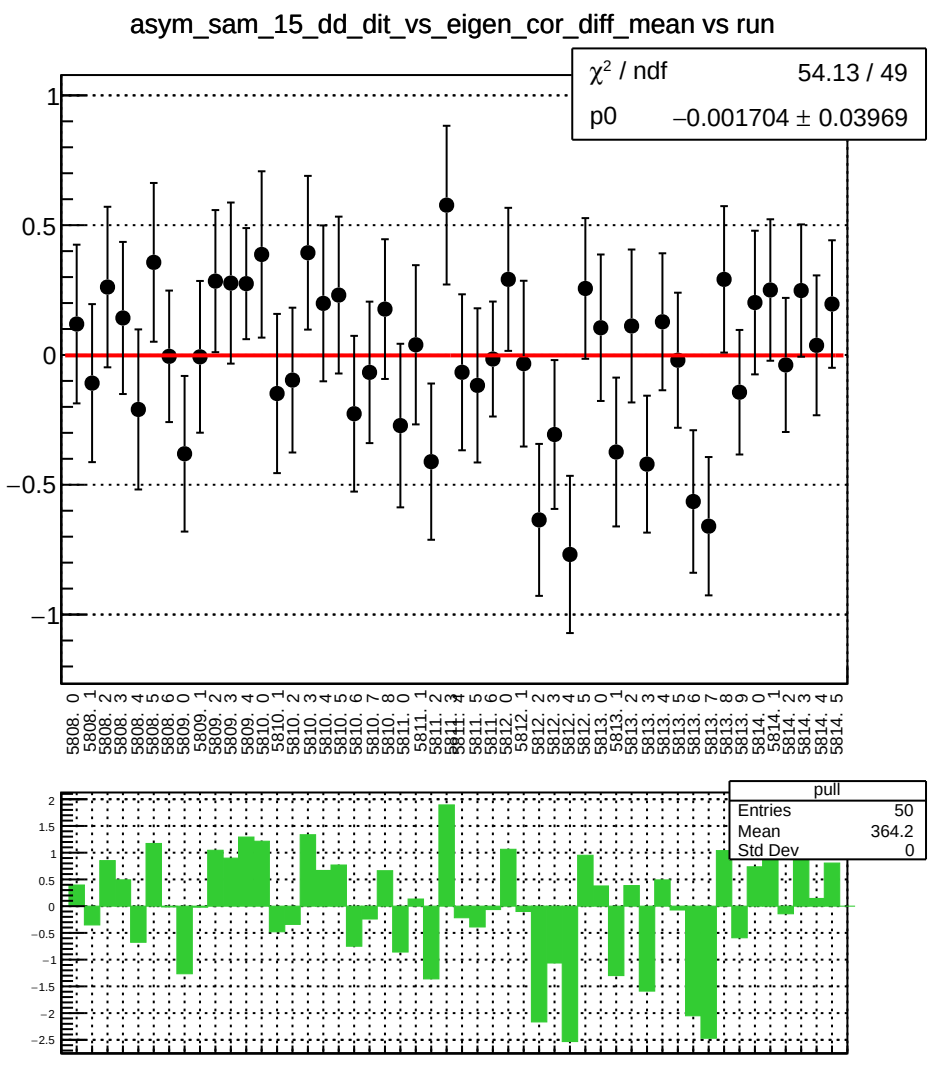

pull1D
Entries 50
Mean 0.09848
Std Dev 1.009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

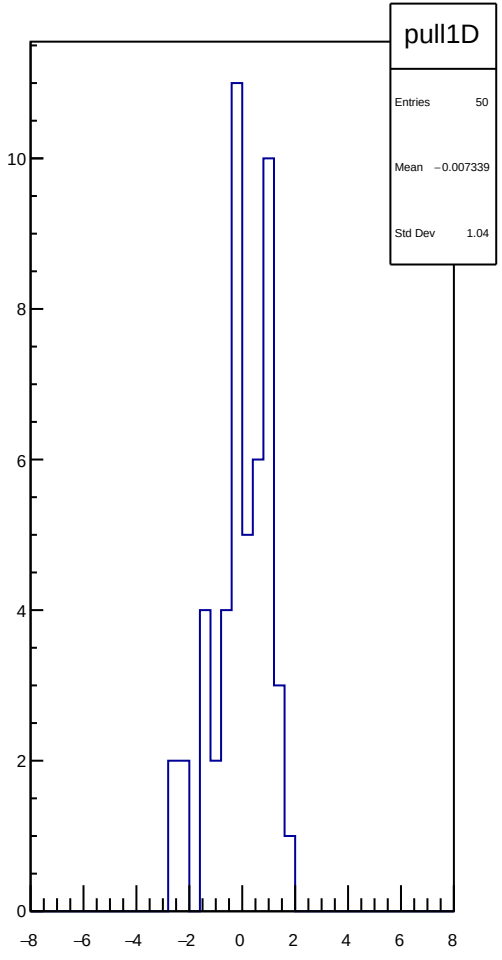

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.378e+05 / 49
p0 3.565e−11 ± 5.538e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

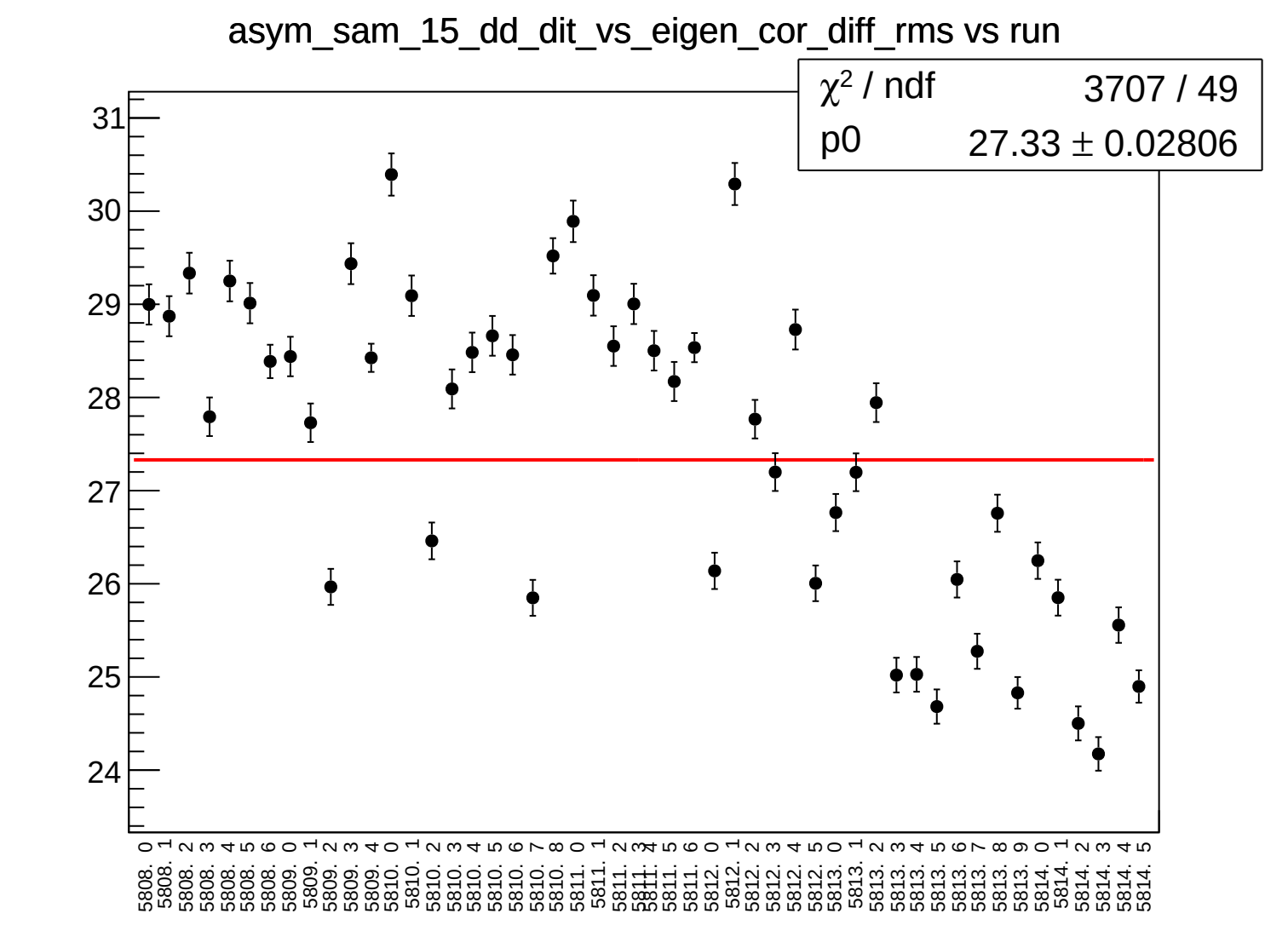

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.13 / 49
p0 −0.001704 ± 0.03969
pull
Entries 50
Mean 364.2
Std Dev 0


pull1D
Entries 50
Mean −0.007339
Std Dev 1.04


asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3707 / 49
p0 27.33 ± 0.02806
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.13 / 49
p0 −0.001704 ± 0.03969
pull
Entries 50
Mean 364.2
Std Dev 0


pull1D
Entries 50
Mean −0.007339
Std Dev 1.04


asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3707 / 49
p0 27.33 ± 0.02806
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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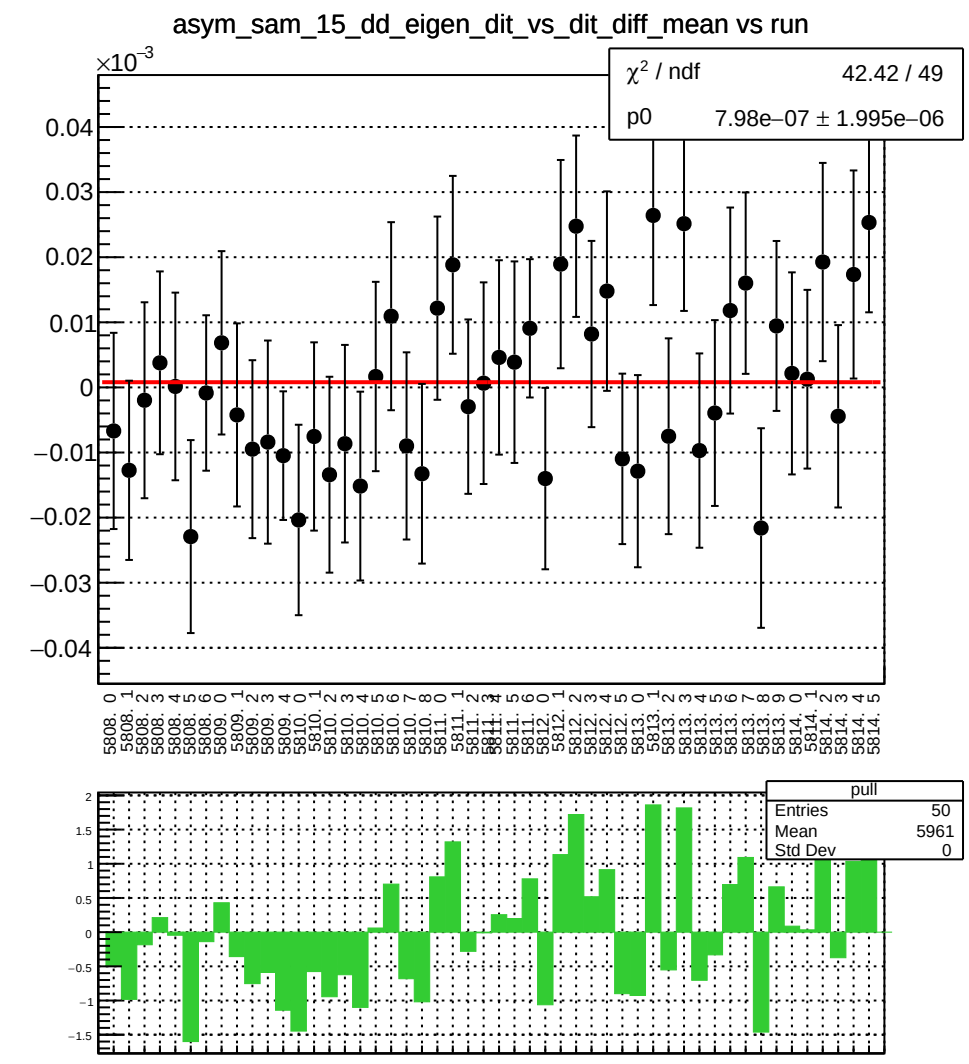
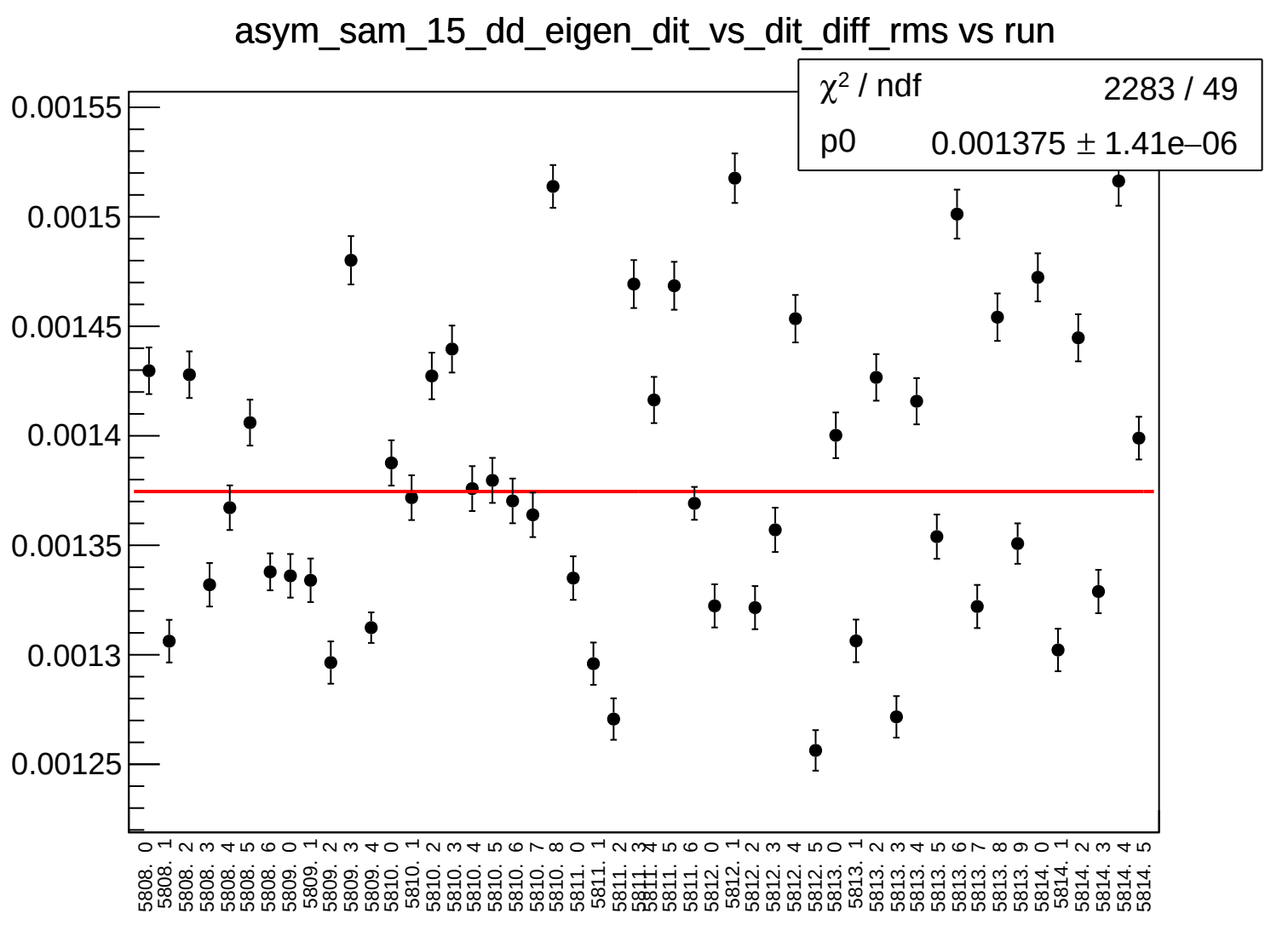
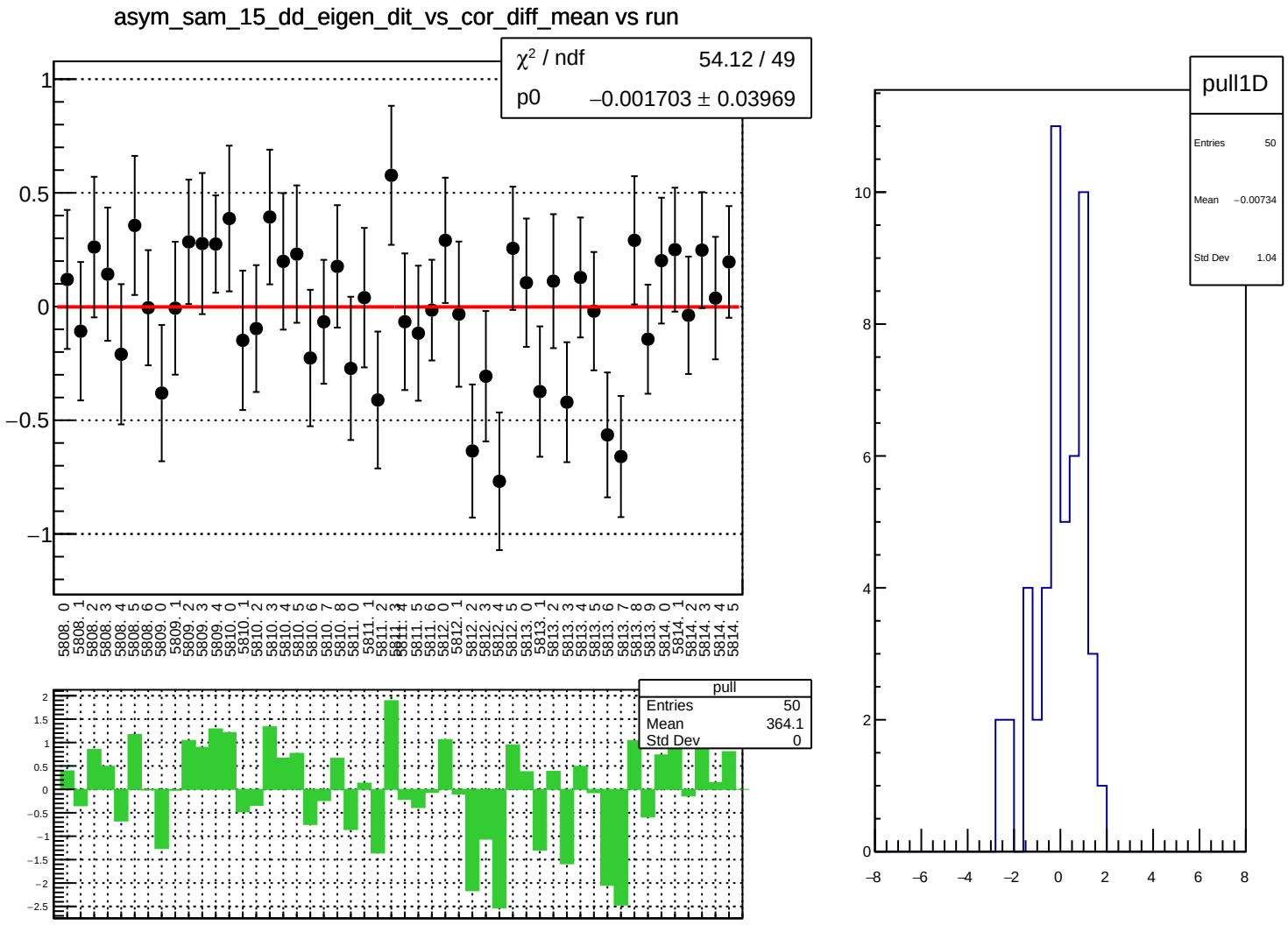
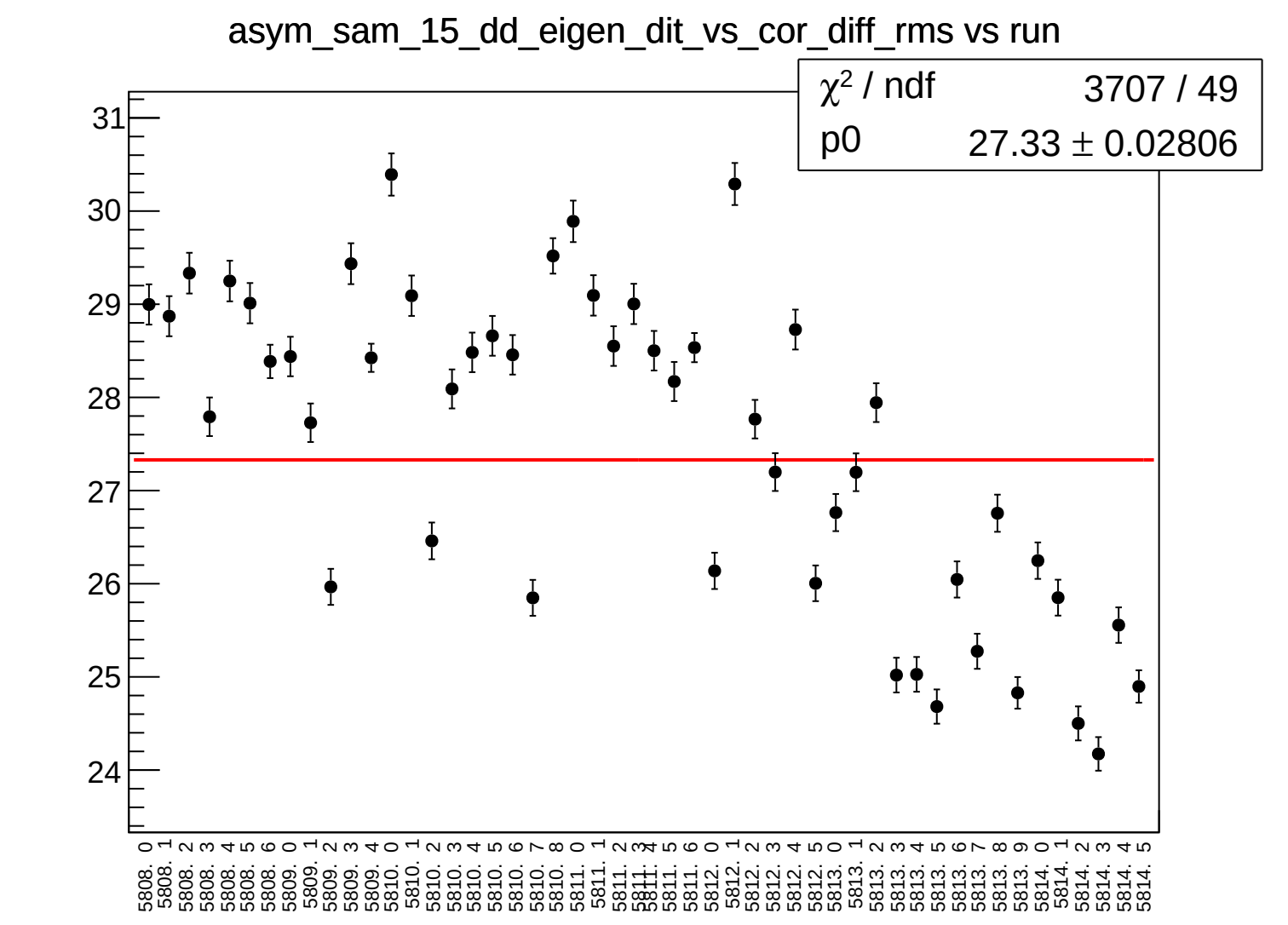
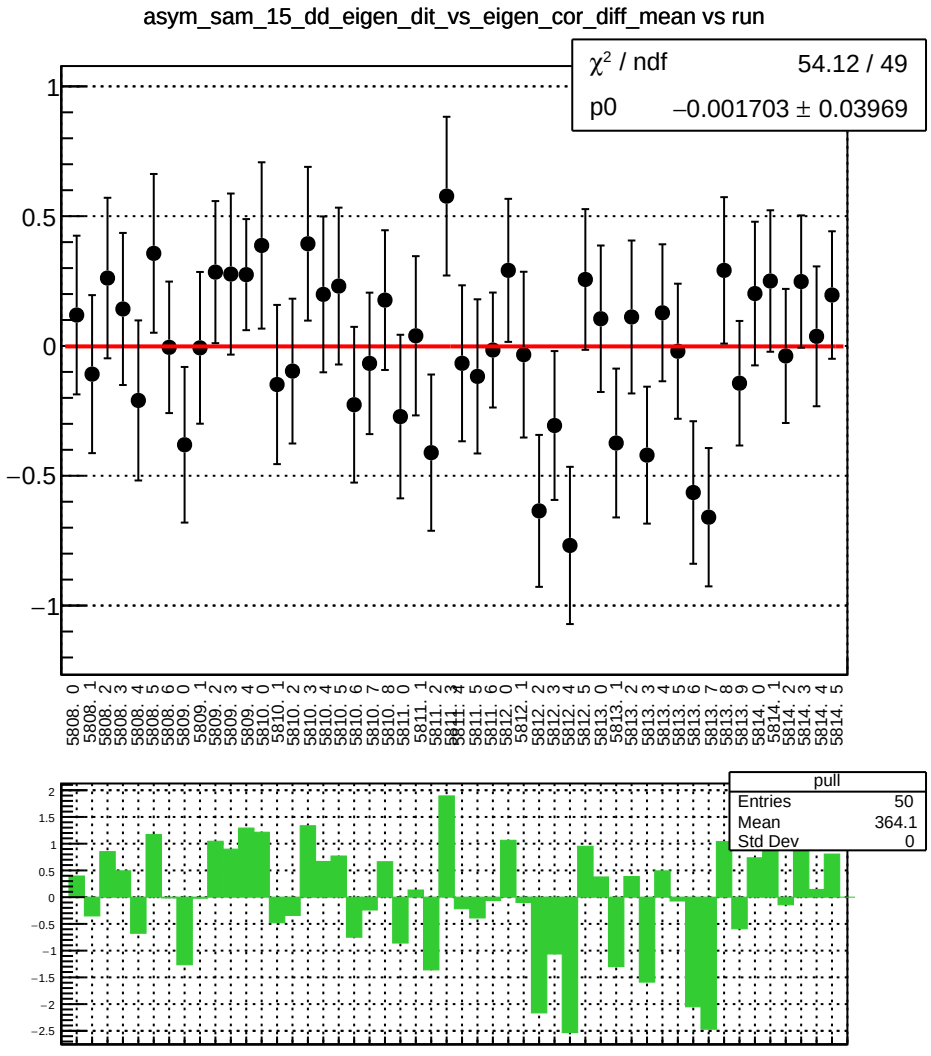
5814. 2
5814. 3
5814. 4
5814. 5

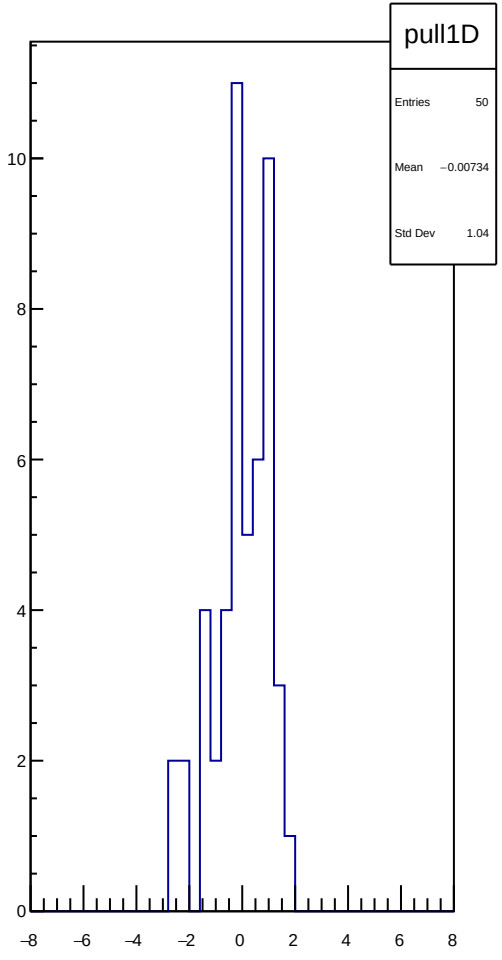

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.42 / 49
p0 7.98e−07 ± 1.995e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5961
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.0009535
Std Dev 0.921
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

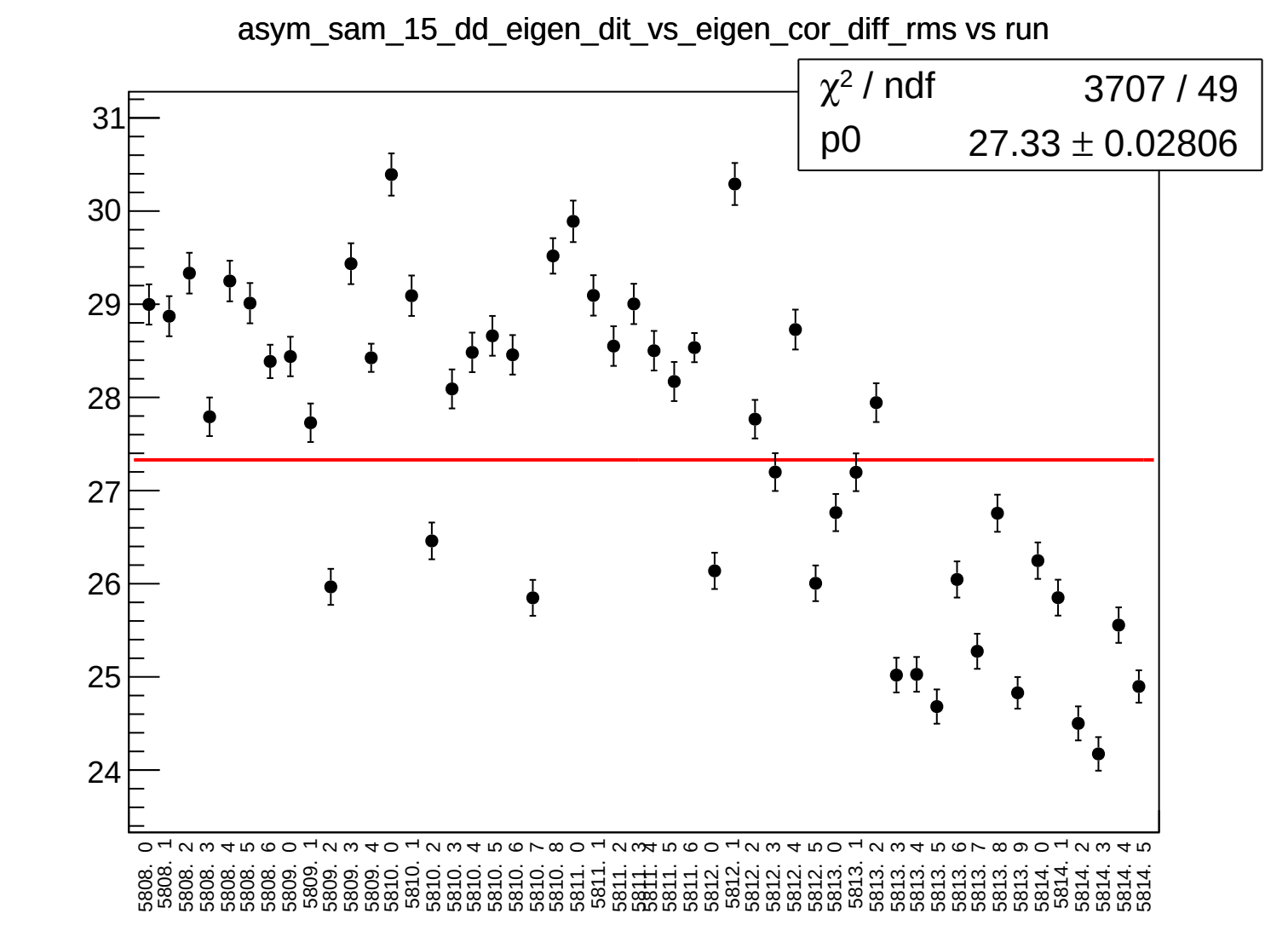

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2283 / 49
p0 0.001375 ± 1.41e–06
0.00155
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

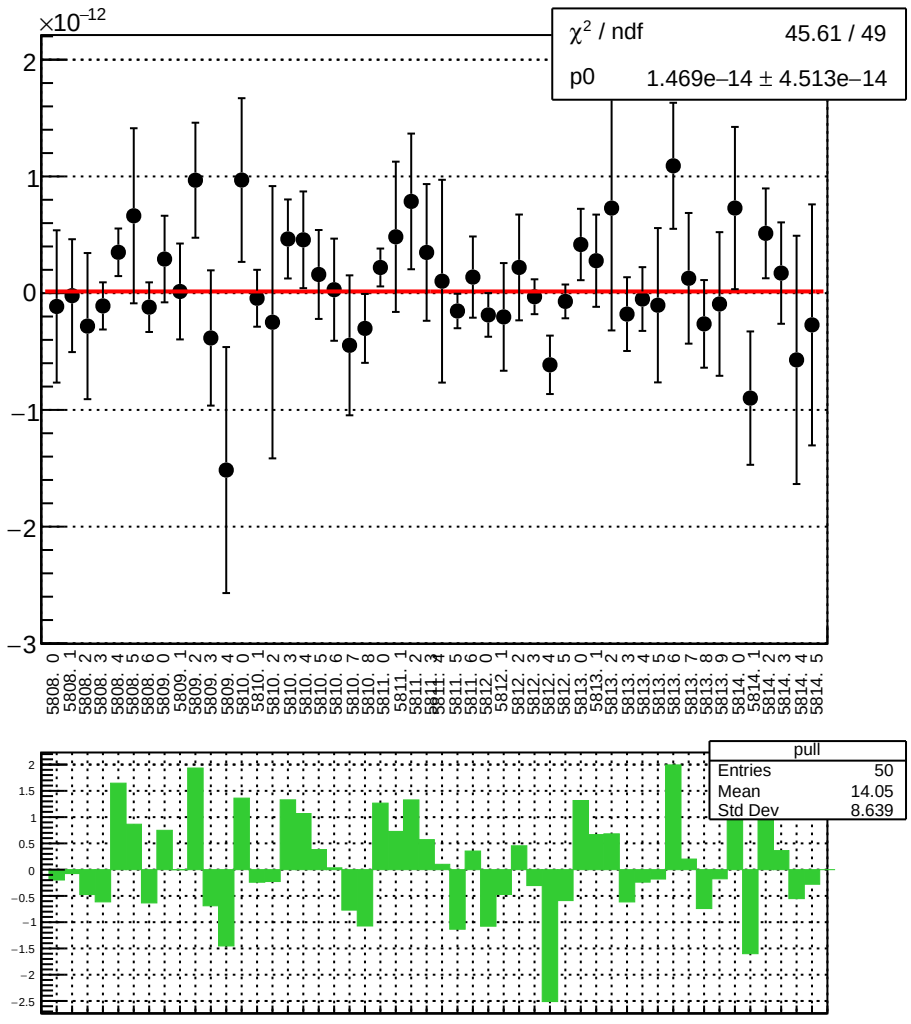

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.12 / 49
p0 −0.001703 ± 0.03969
pull
Entries 50
Mean 364.1
Std Dev 0
pull1D
Entries 50
Mean −0.00734
Std Dev 1.04

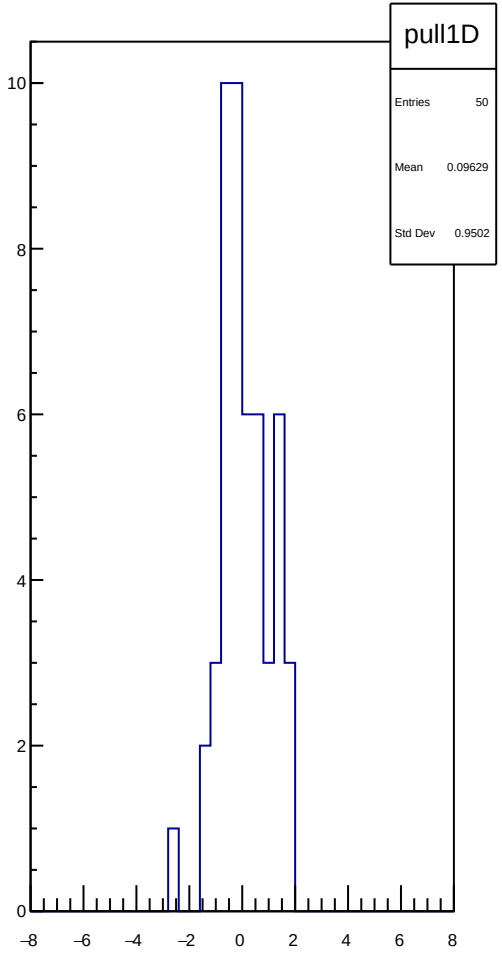

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3707 / 49
p0 27.33 ± 0.02806
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

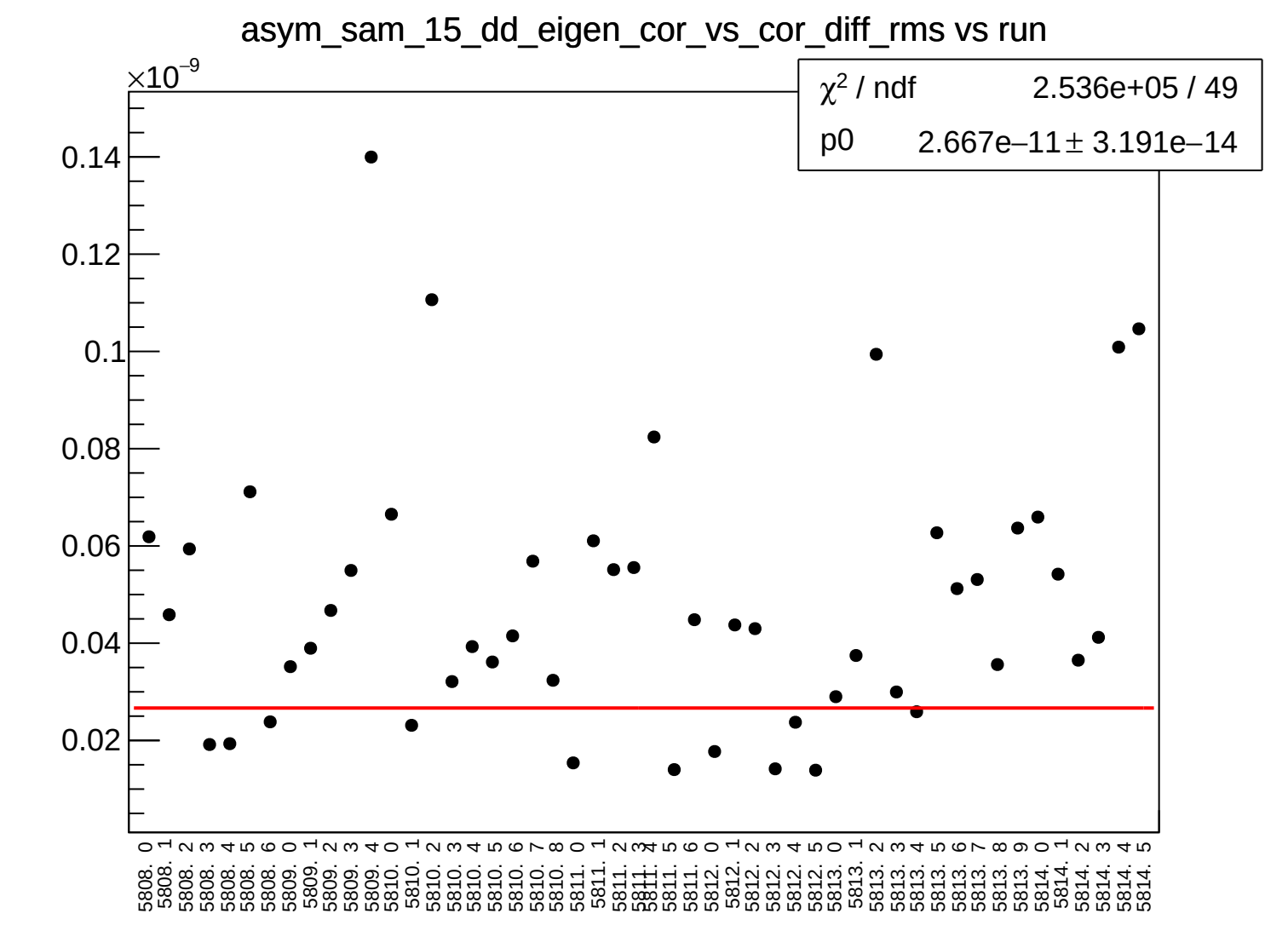

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.12 / 49
p0 −0.001703 ± 0.03969
pull
Entries 50
Mean 364.1
Std Dev 0

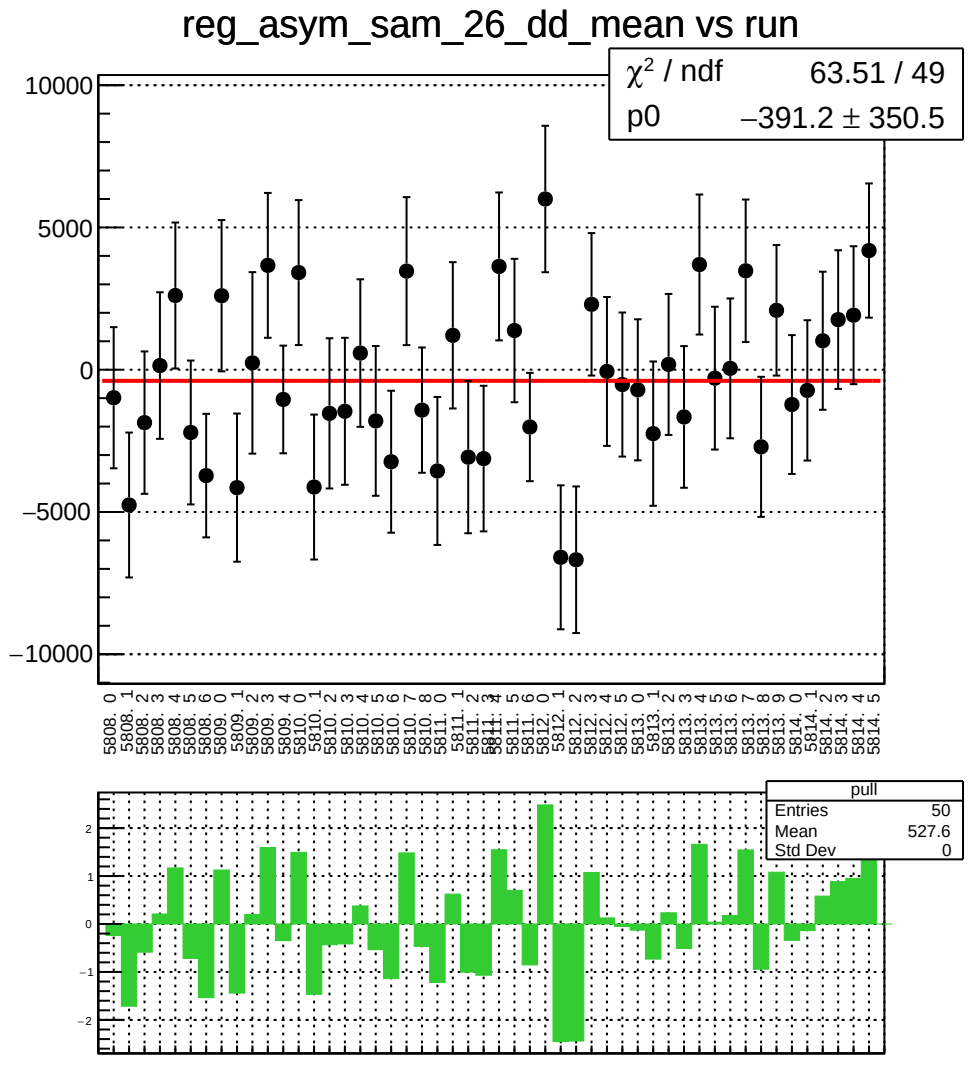

pull1D
Entries 50
Mean −0.00734
Std Dev 1.04

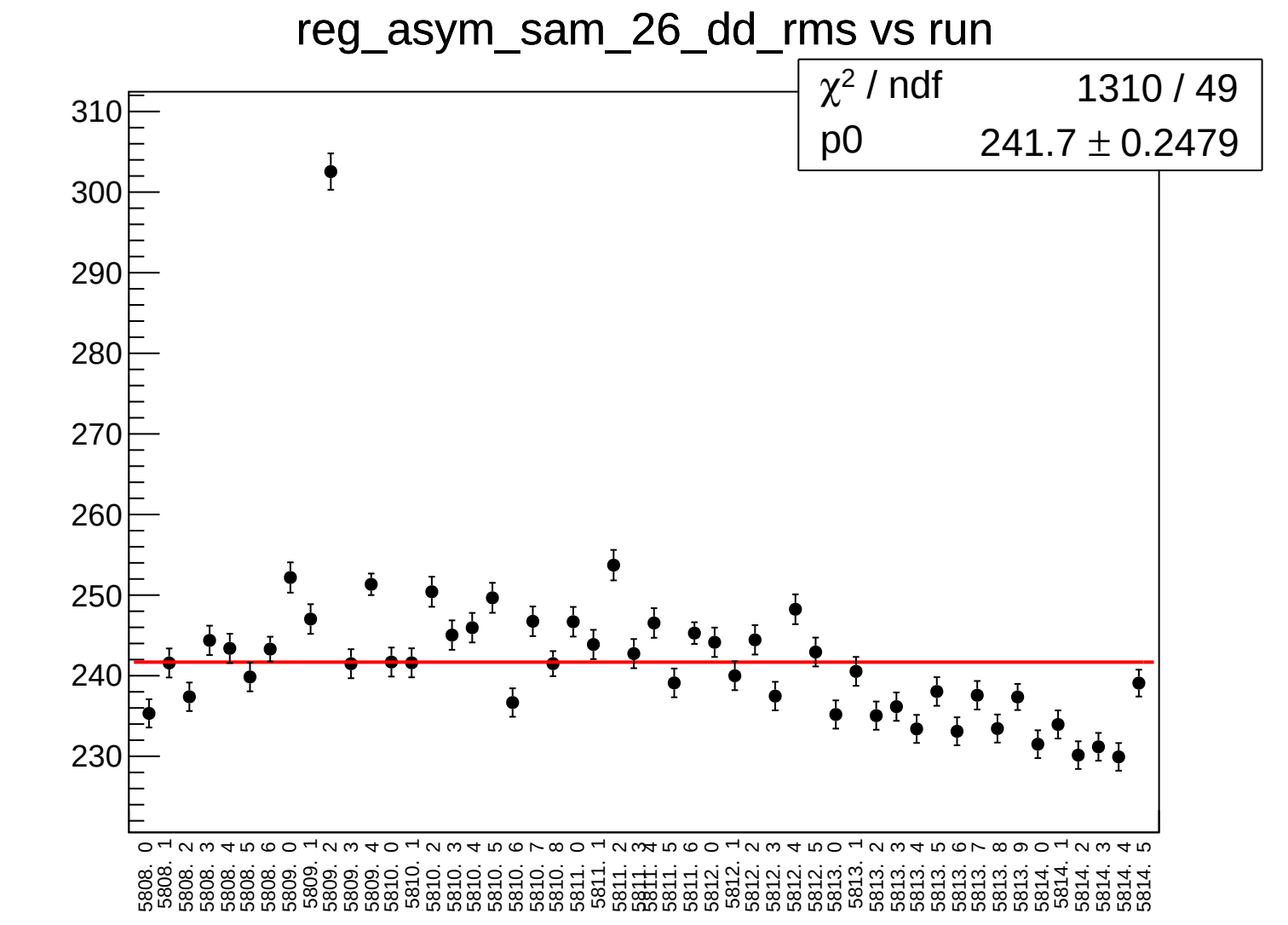

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3707 / 49
p0 27.33 ± 0.02806
31
30
29
28
27
26
25
24
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

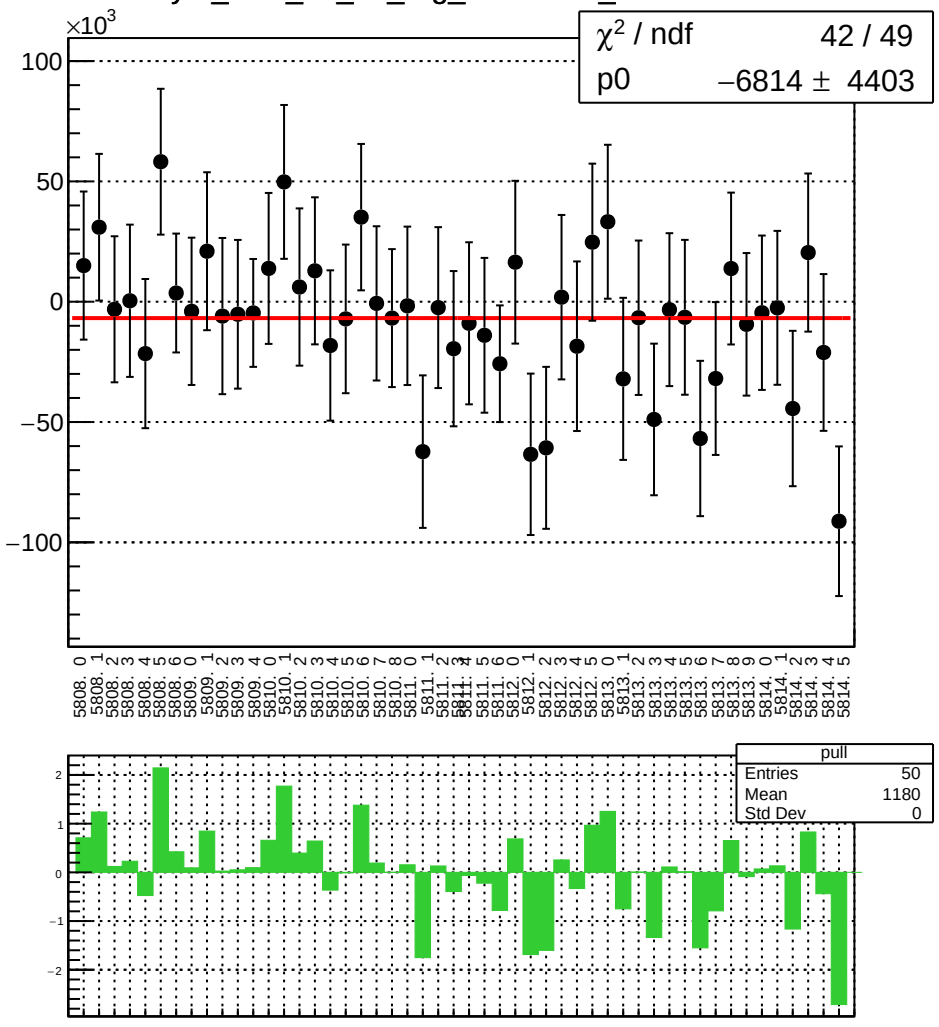

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 45.61 / 49
p0 1.469e−14 ± 4.513e−14
pull
Entries 50
Mean 14.05
Std Dev 8.639

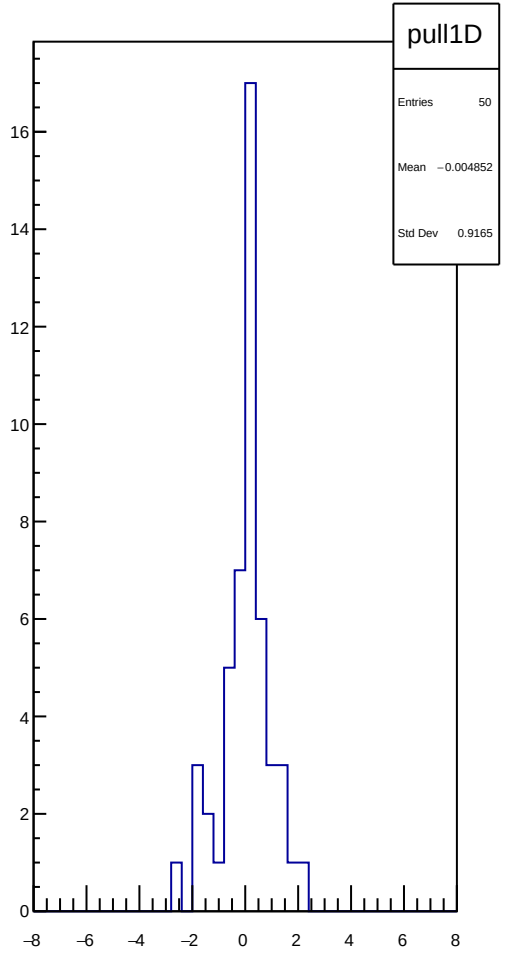

pull1D
Entries 50
Mean 0.09629
Std Dev 0.9502

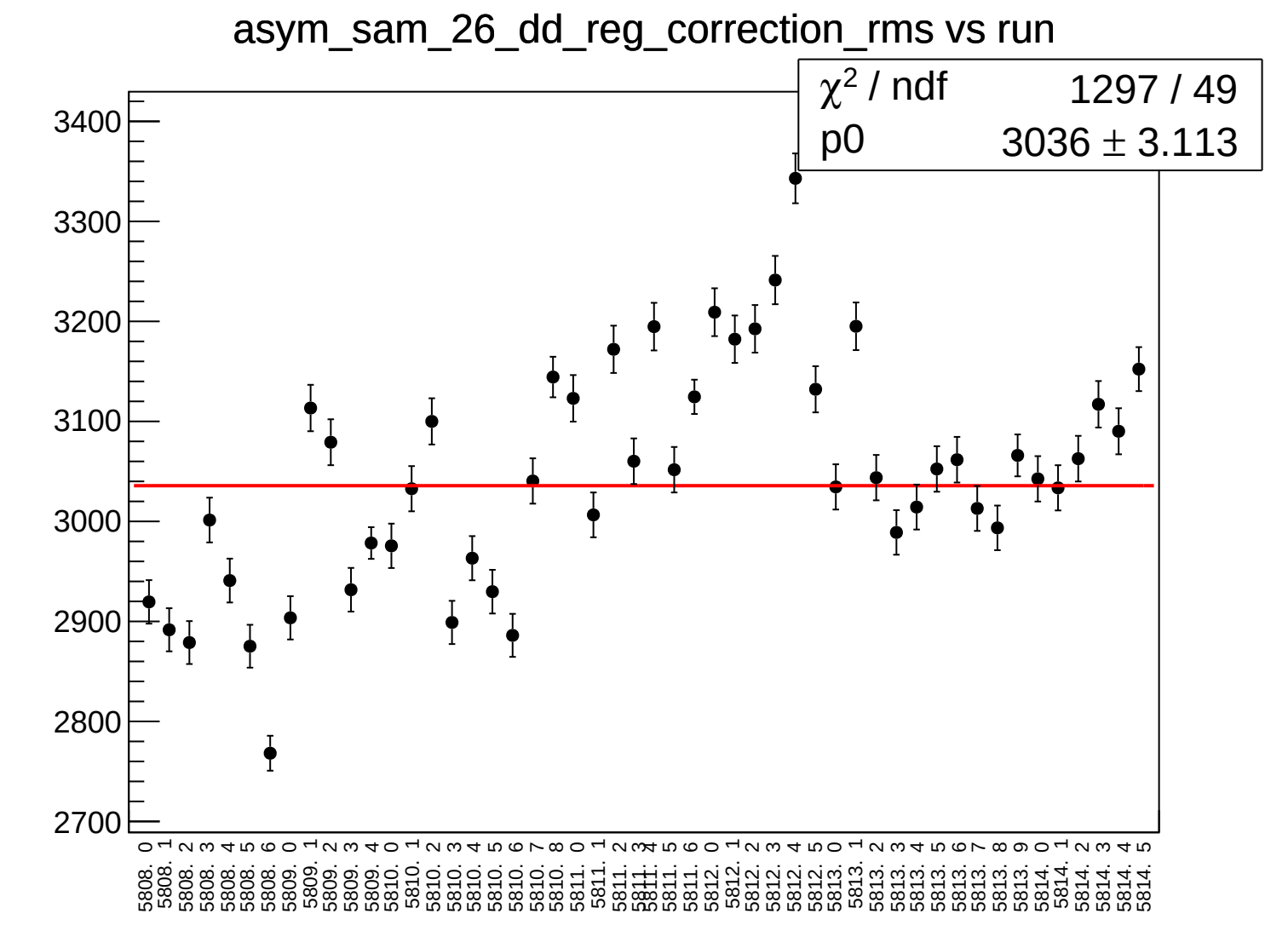

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.536e+05 / 49
p0 2.667e−11 ± 3.191e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

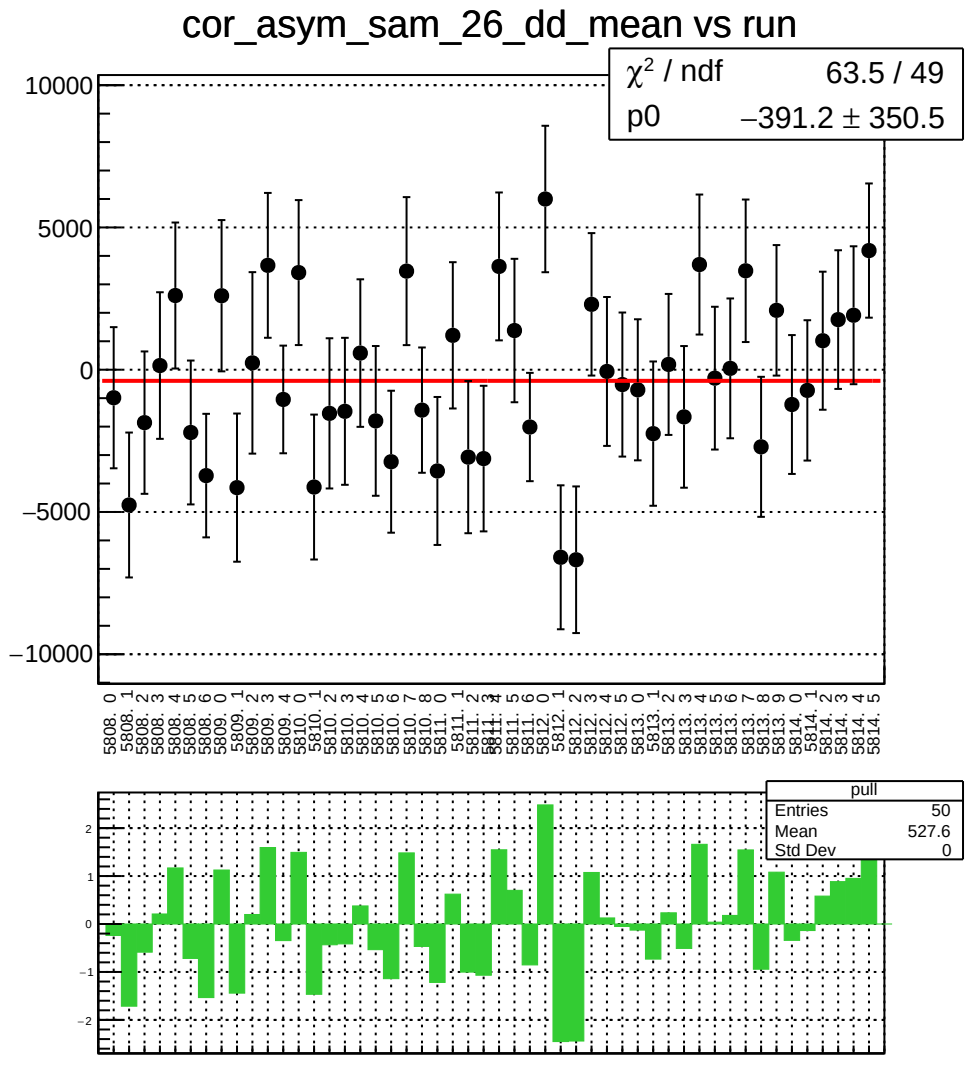

reg_asym_sam_26_dd_mean vs run
χ² / ndf 63.51 / 49
p0 −391.2 ± 350.5
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 527.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007793
Std Dev 1.127
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

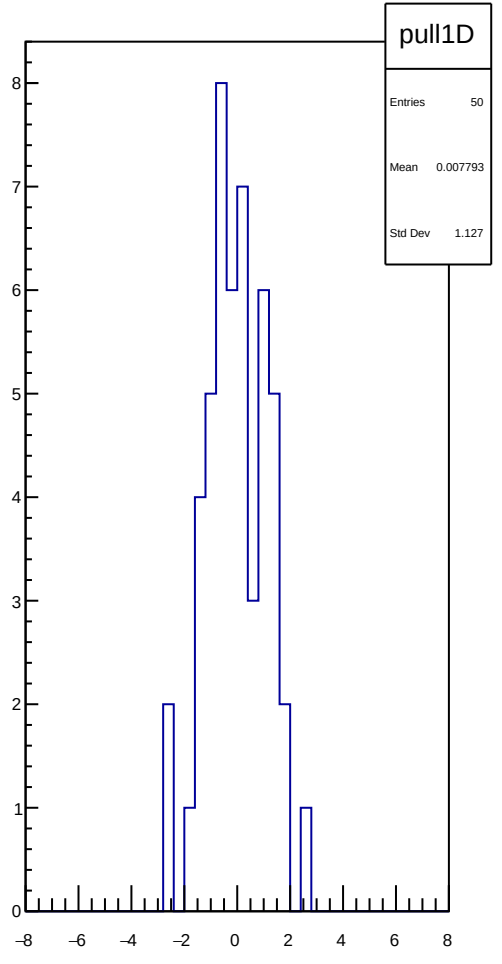

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1310 / 49
p0 241.7 ± 0.2479
310
300
290
280
270
260
250
240
230
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

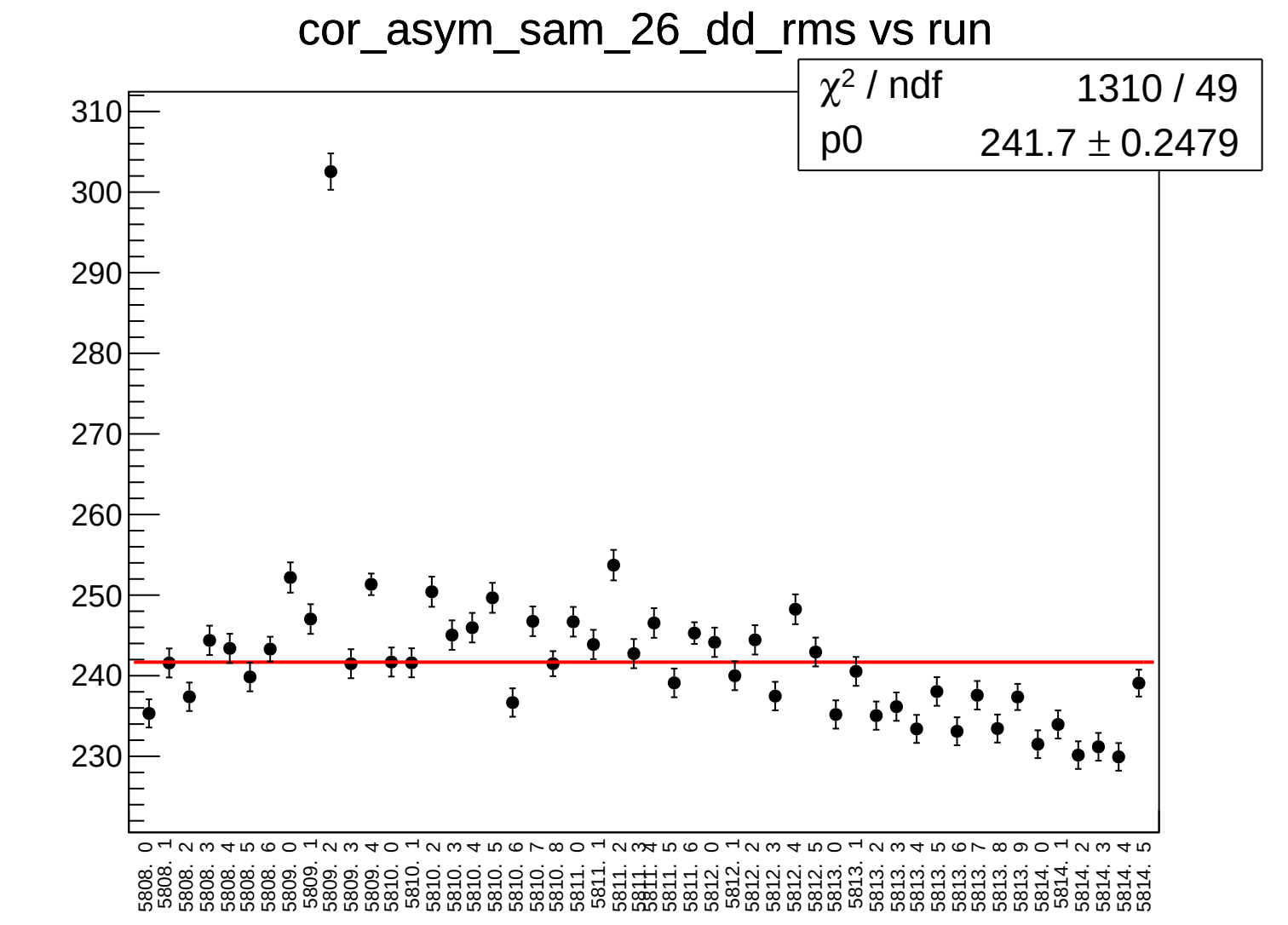

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ² / ndf 42 / 49
p0 −6814 ± 4403
100
50
0
−50
−100
pull
Entries 50
Mean 1180
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.004852
Std Dev 0.9165
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 1297 / 49
p0 3036 ± 3.113
3400
3300
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_26_dd_mean vs run
χ² / ndf 63.5 / 49
p0 −391.2 ± 350.5
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 527.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.007793
Std Dev 1.127
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_dd_rms vs run
χ² / ndf 1310 / 49
p0 241.7 ± 0.2479
310
300
290
280
270
260
250
240
230
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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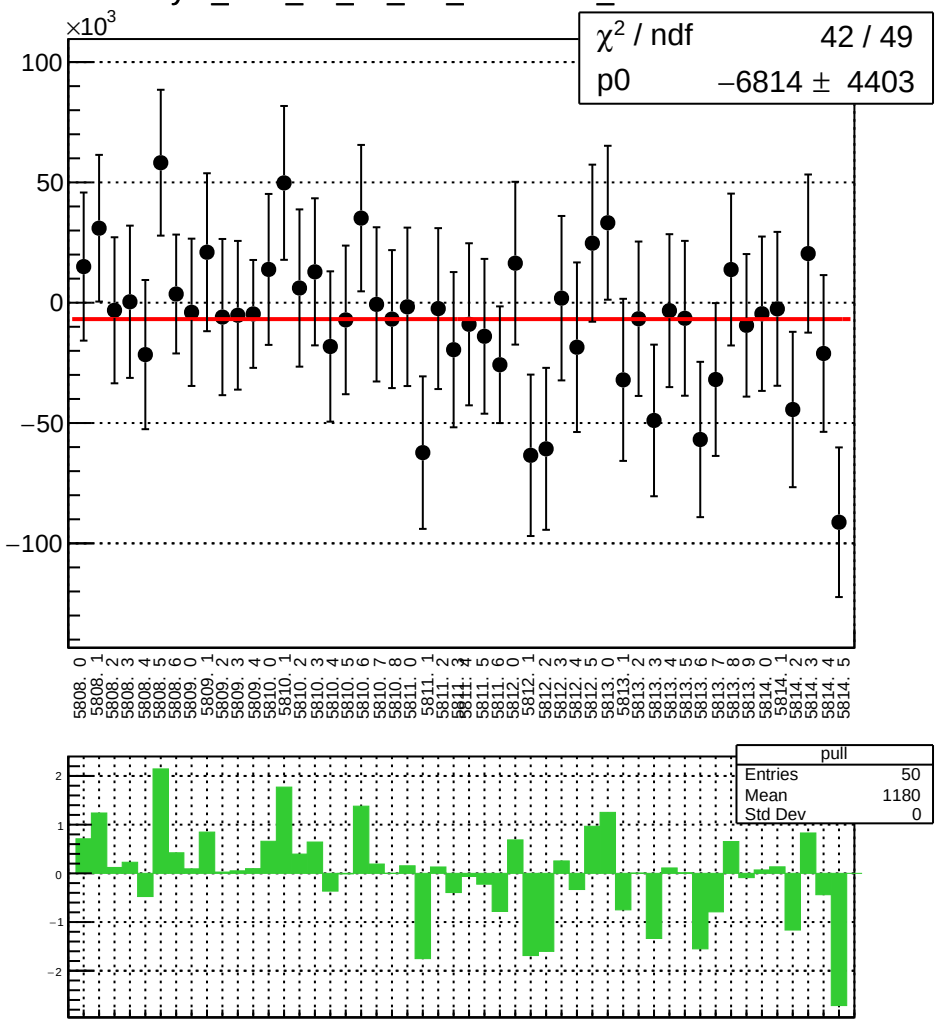
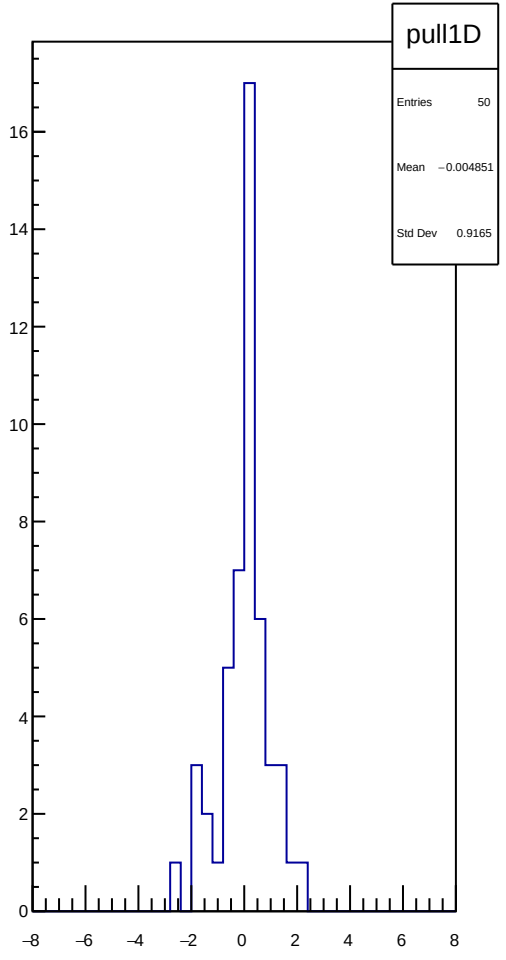
5814. 5


asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 42 / 49
p0 −6814 ± 4403
100
50
0
−50
−100
pull
Entries 50
Mean 1180
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.004851
Std Dev 0.9165
16
14
12
10
8
6
4
2
0
−8
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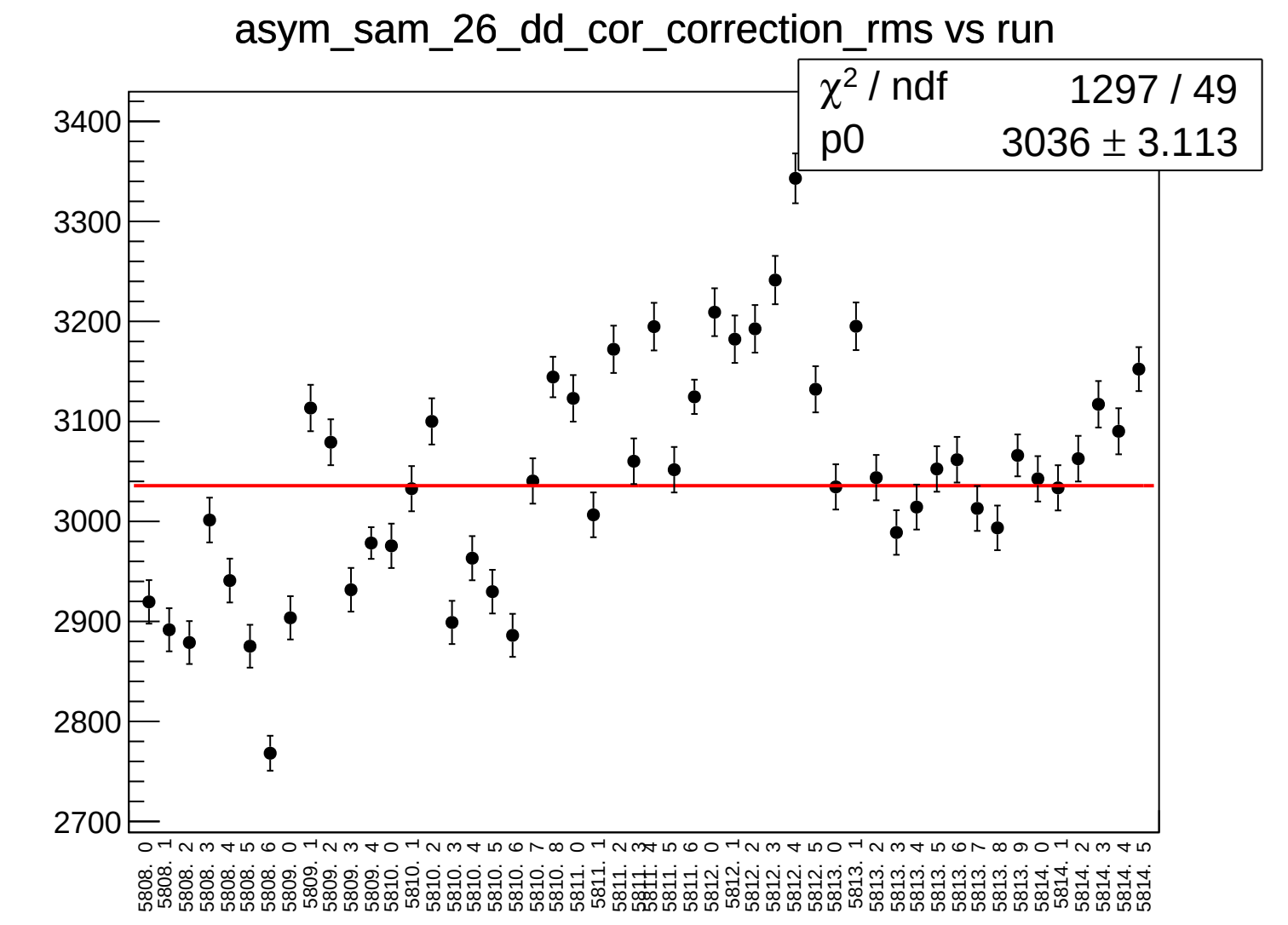
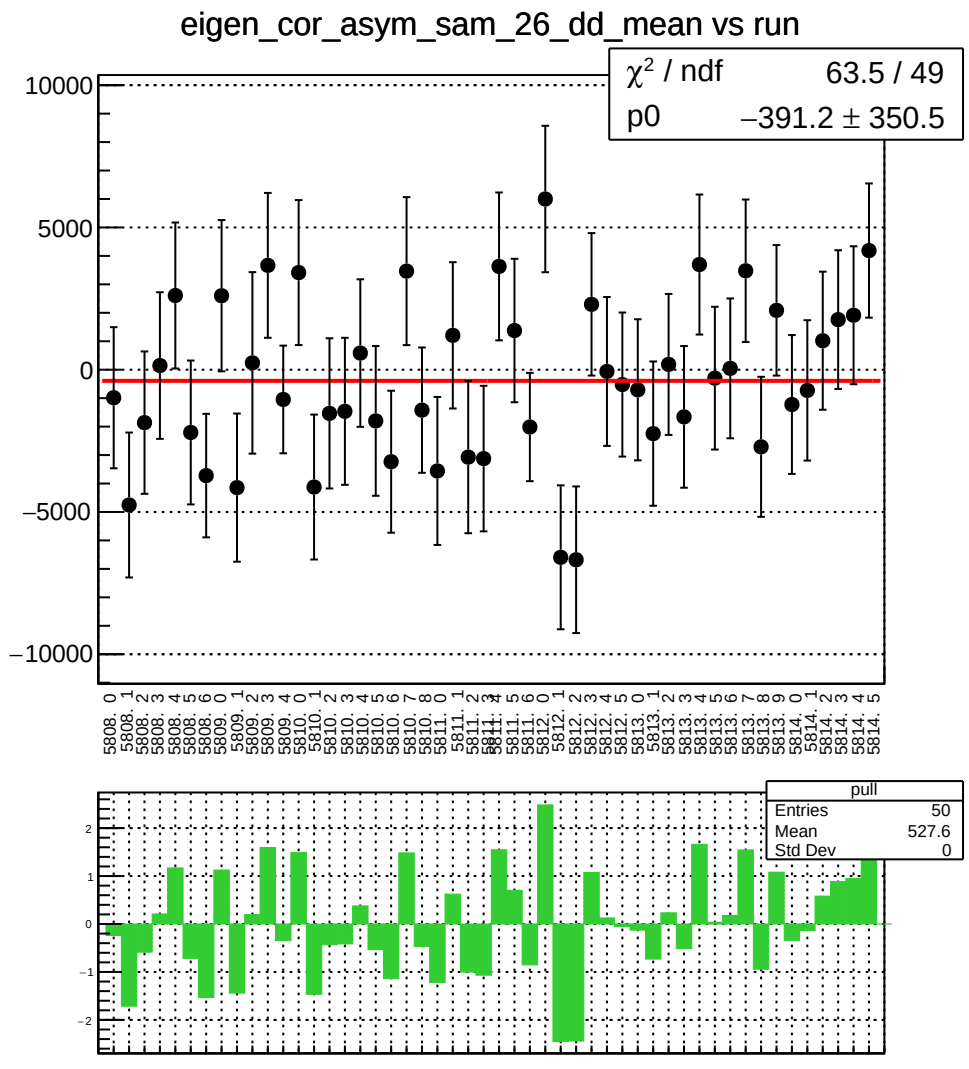
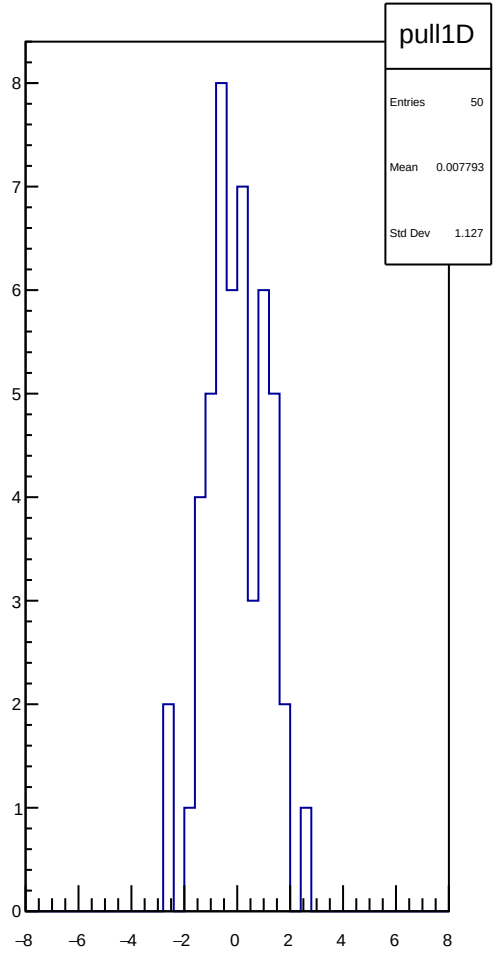
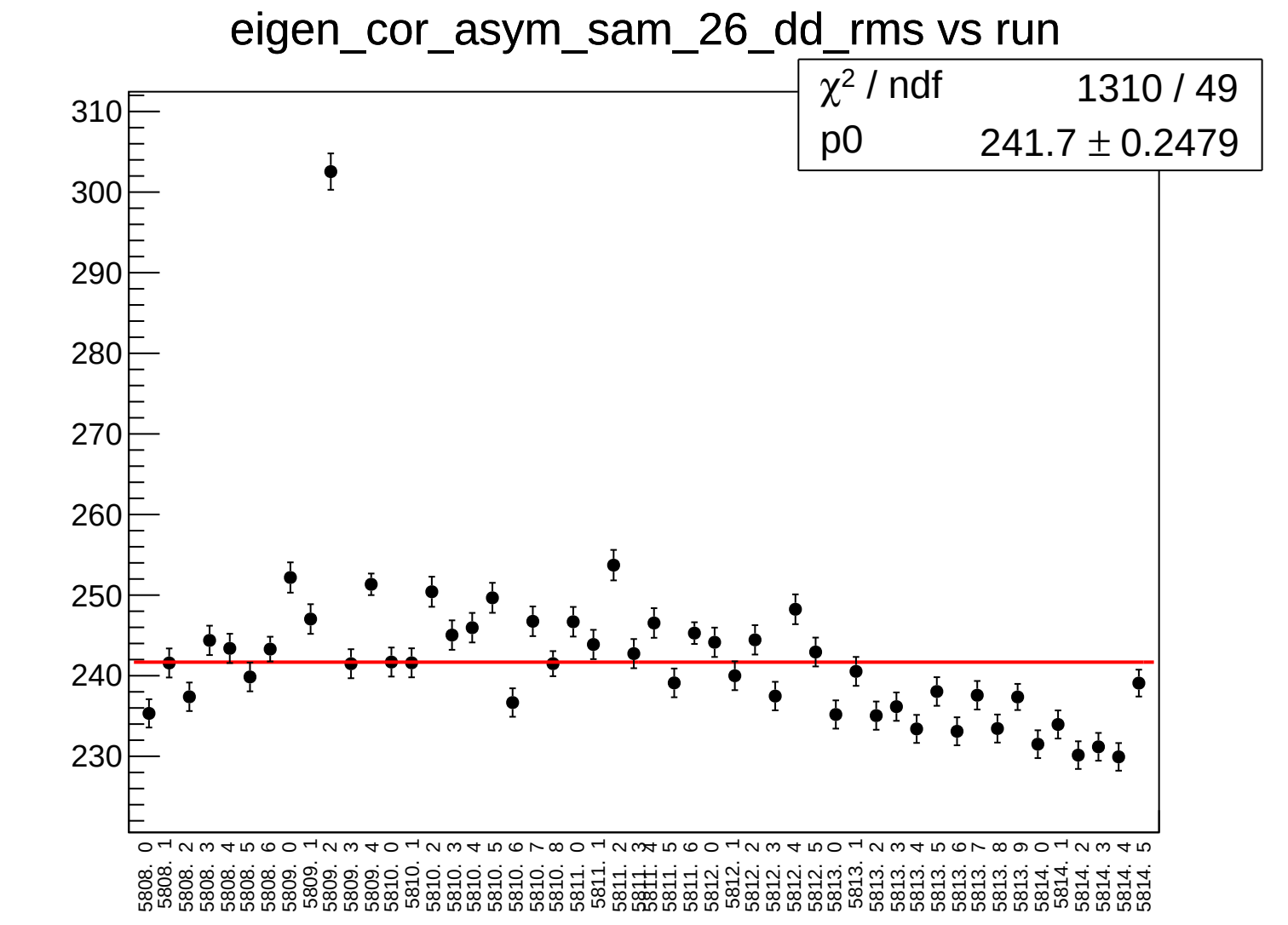
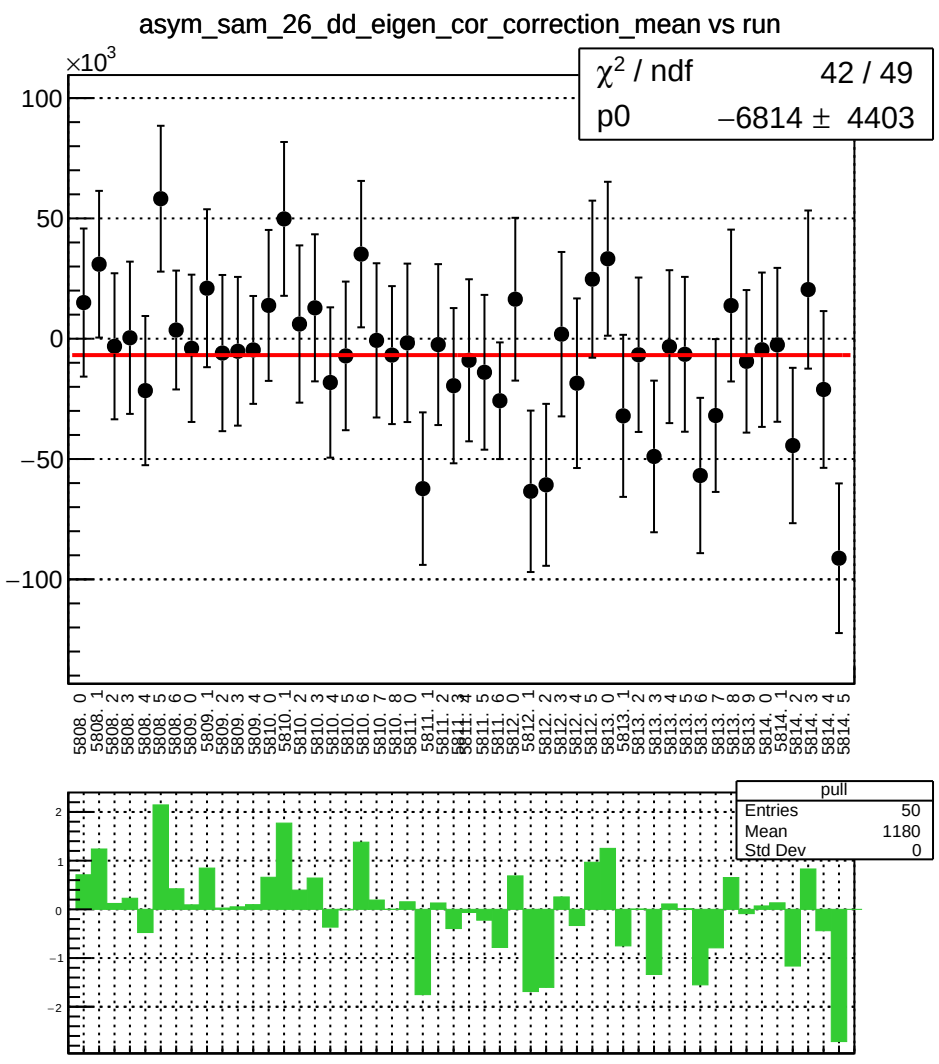
−4
−2
0
2
4
6
8

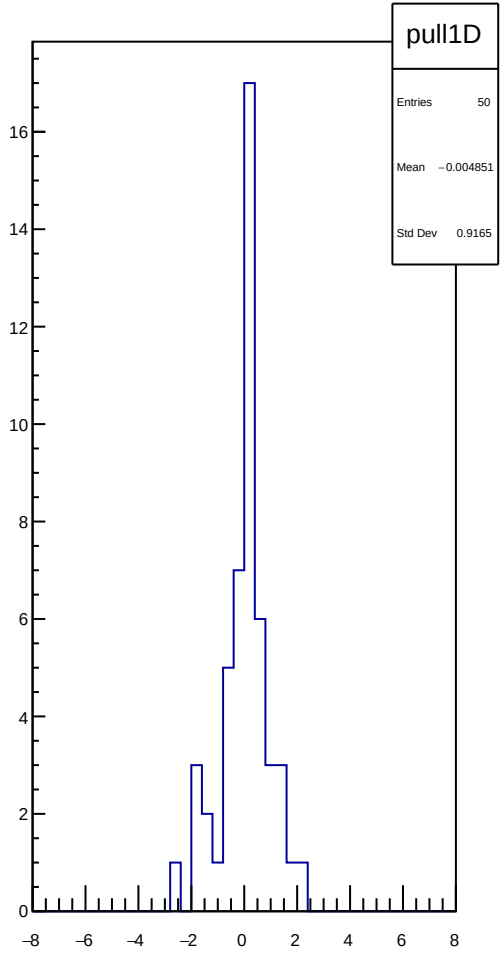

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 1297 / 49
p0 3036 ± 3.113
3400
3300
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

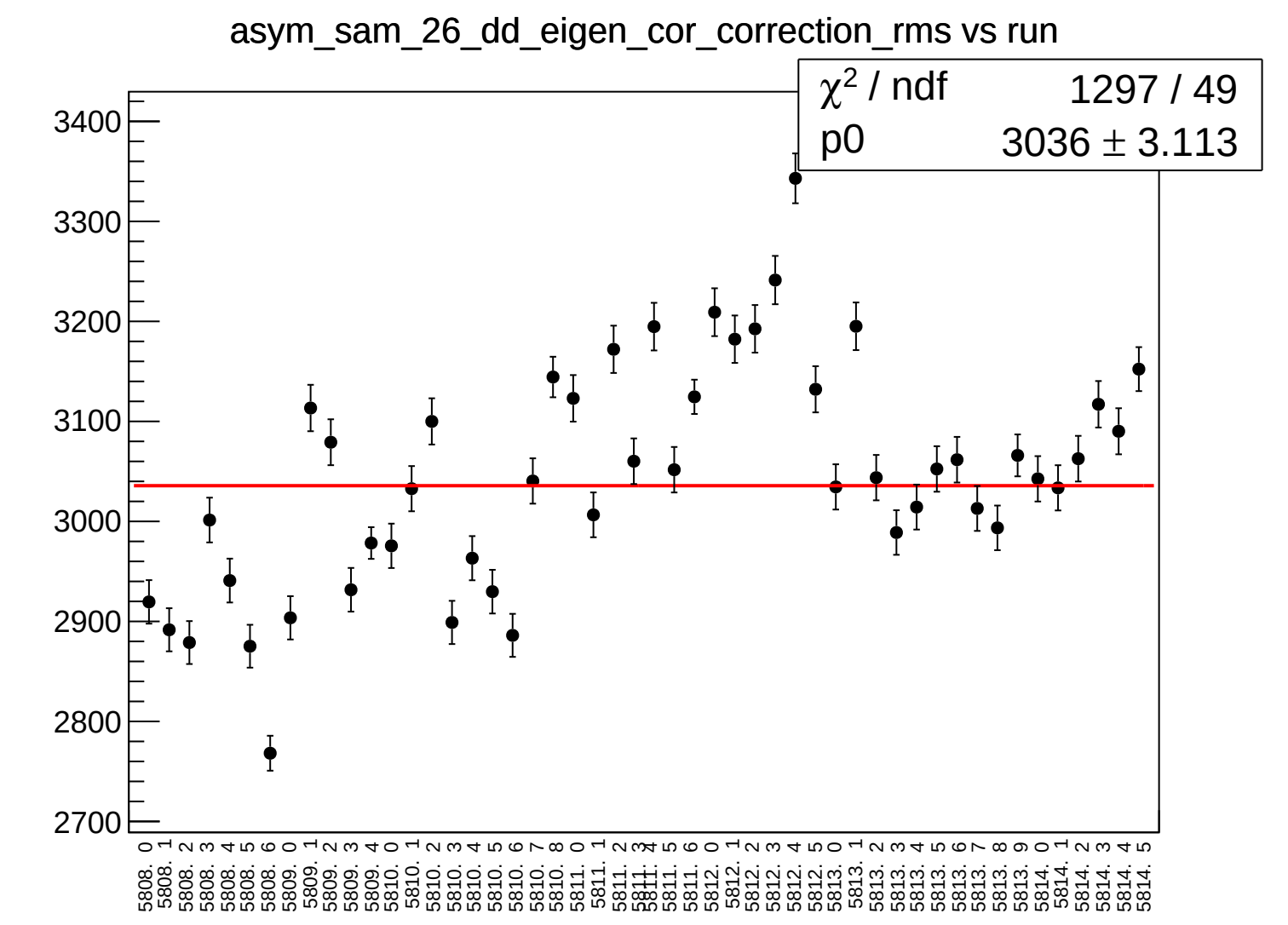

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 63.5 / 49
p0 −391.2 ± 350.5
10000
5000
0
−5000
−10000
pull
Entries 50
Mean 527.6
Std Dev 0

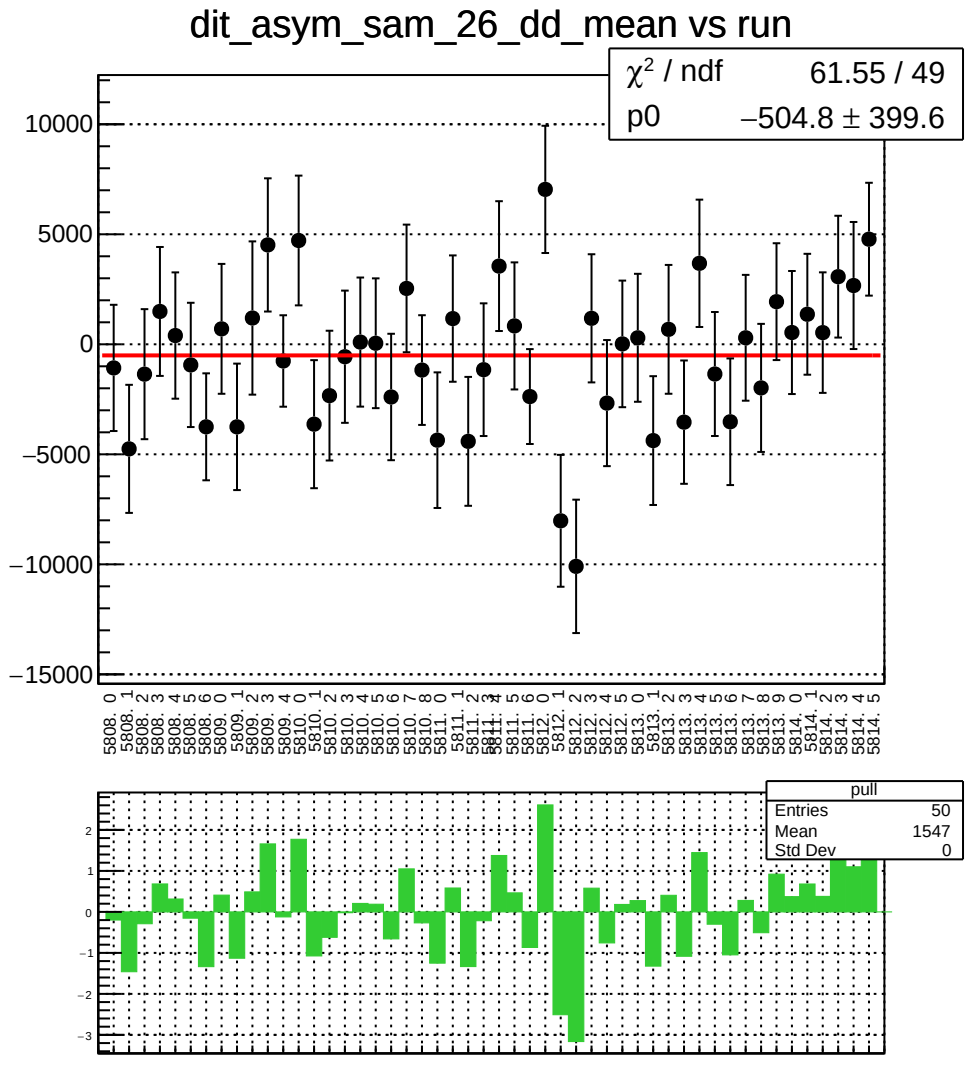

pull1D
Entries 50
Mean 0.007793
Std Dev 1.127

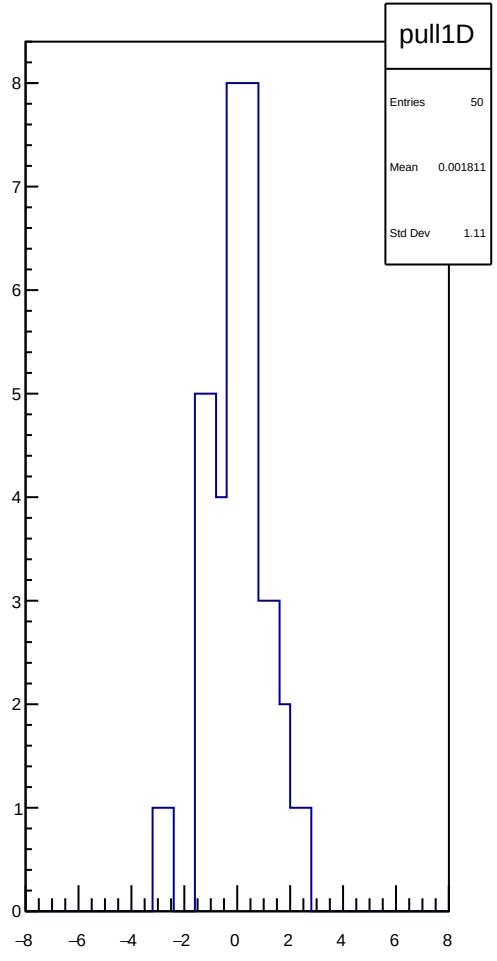

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1310 / 49
p0 241.7 ± 0.2479
310
300
290
280
270
260
250
240
230
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

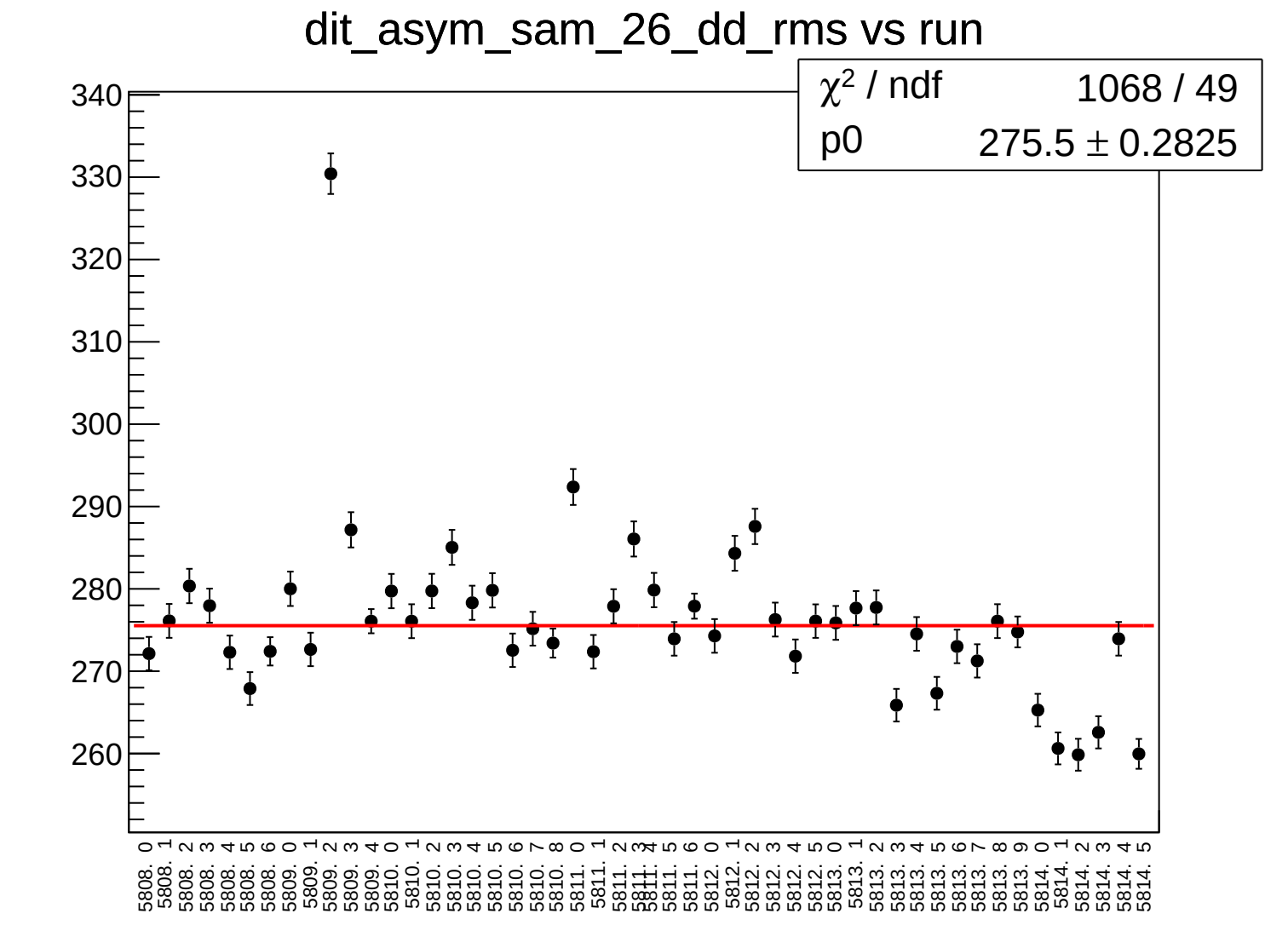

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 42 / 49
p0 −6814 ± 4403
100
50
0
−50
−100
pull
Entries 50
Mean 1180
Std Dev 0
2
1
0
−1
−2

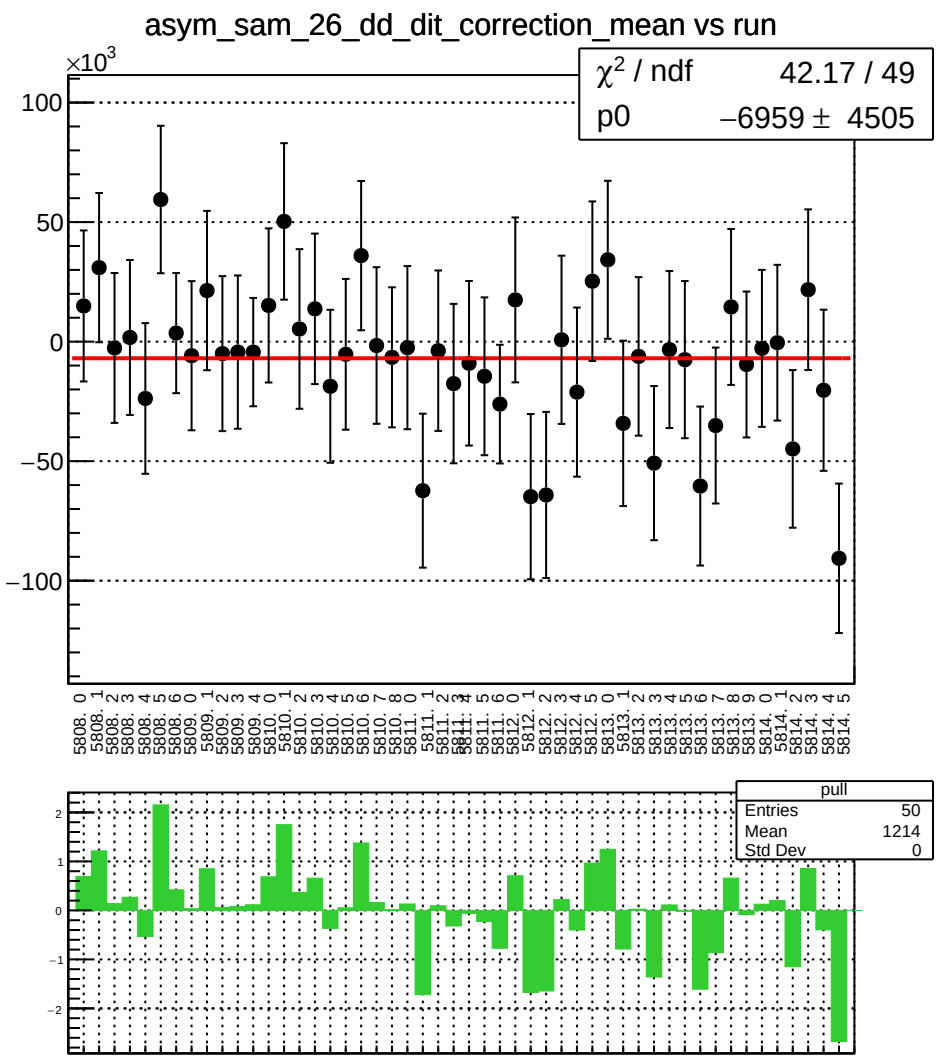

pull1D
Entries 50
Mean −0.004851
Std Dev 0.9165
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

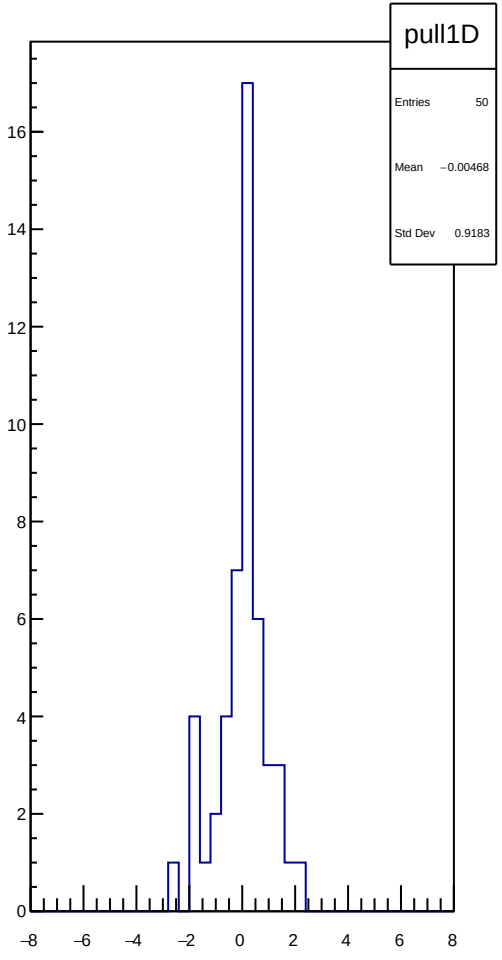

asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1297 / 49
p0 3036 ± 3.113
3400
3300
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

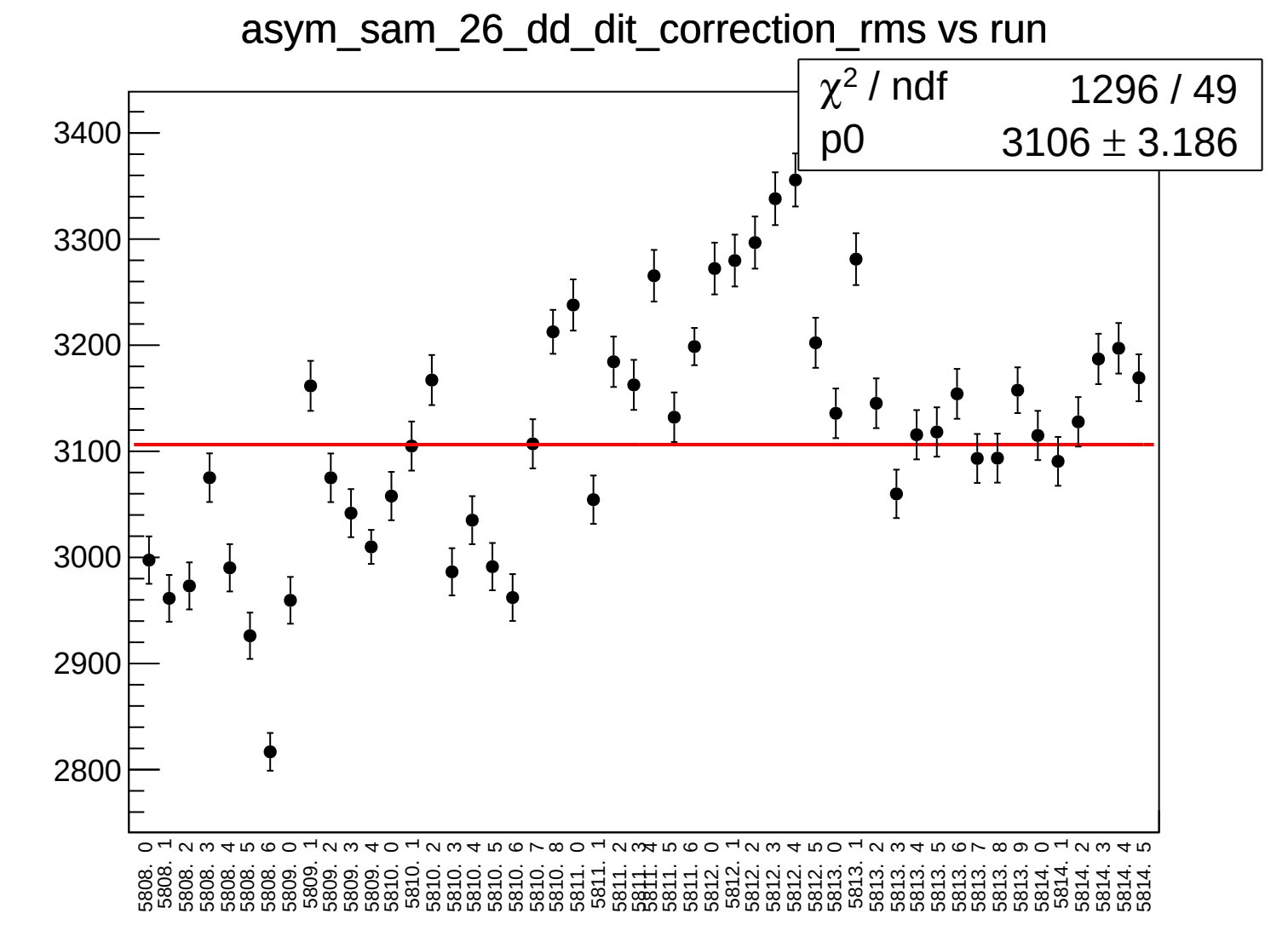

dit_asym_sam_26_dd_mean vs run
χ² / ndf 61.55 / 49
p0 −504.8 ± 399.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean 1547
Std Dev 0
2
1
0
−1
−2
−3

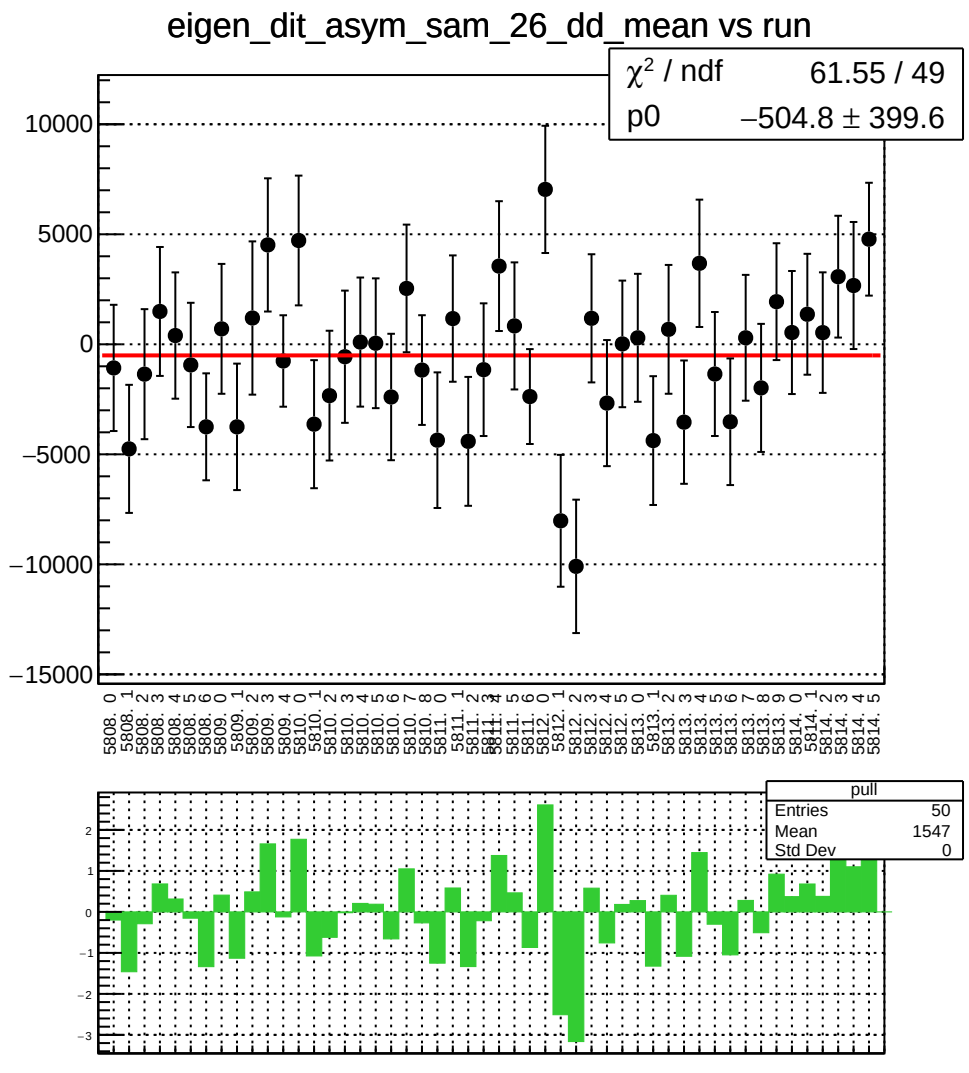

pull1D
Entries 50
Mean 0.001811
Std Dev 1.11
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

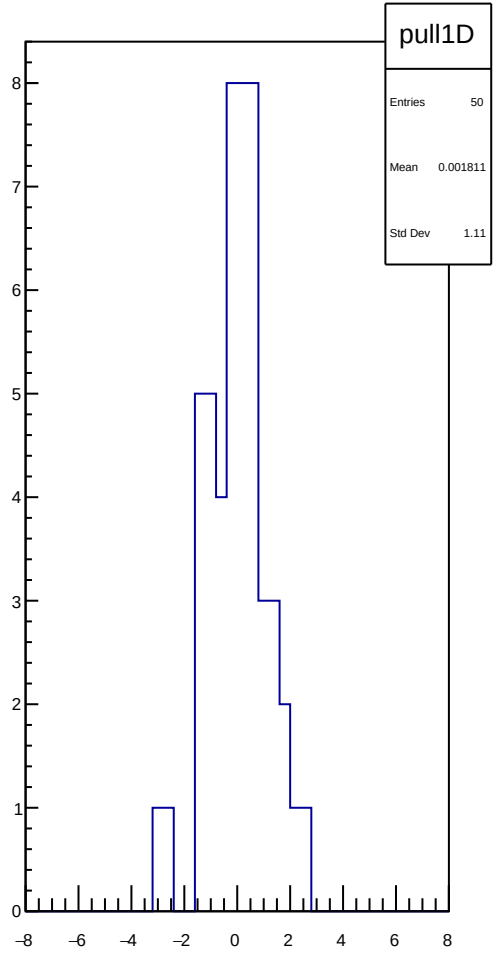

dit_asym_sam_26_dd_rms vs run
χ² / ndf 1068 / 49
p0 275.5 ± 0.2825
340
330
320
310
300
290
280
270
260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

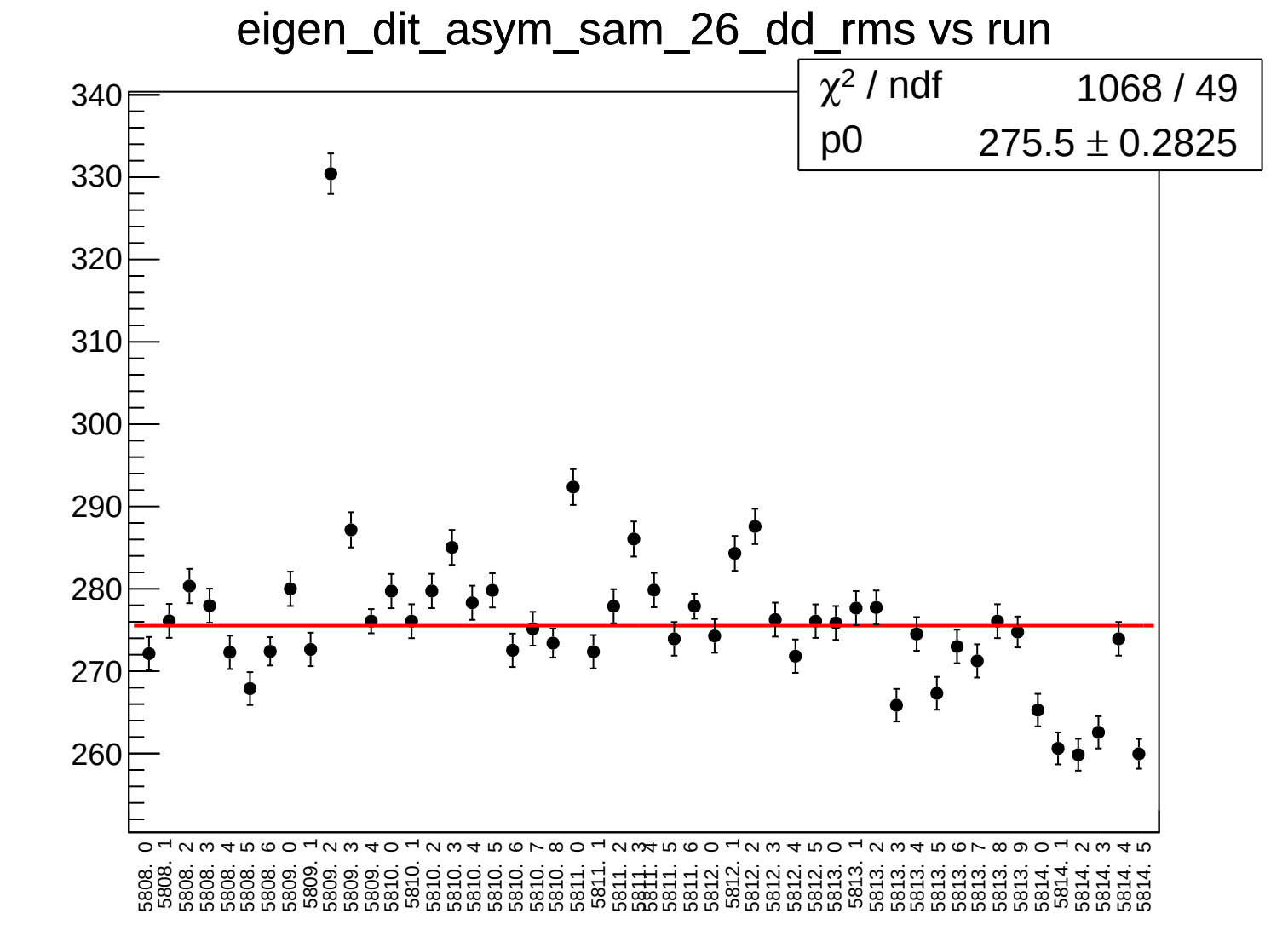

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 42.17 / 49
p0 −6959 ± 4505
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1214
Std Dev 0
2
1
0
−1
−2

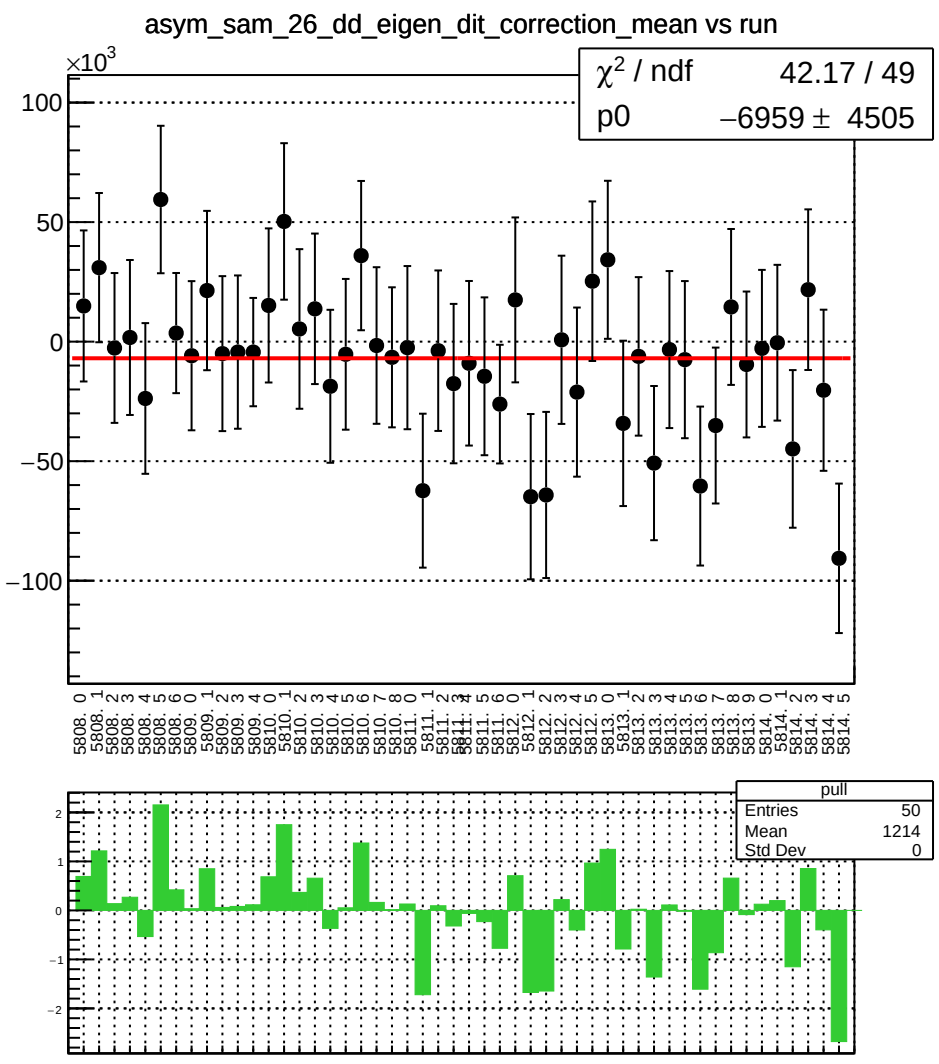

pull1D
Entries 50
Mean −0.00468
Std Dev 0.9183
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

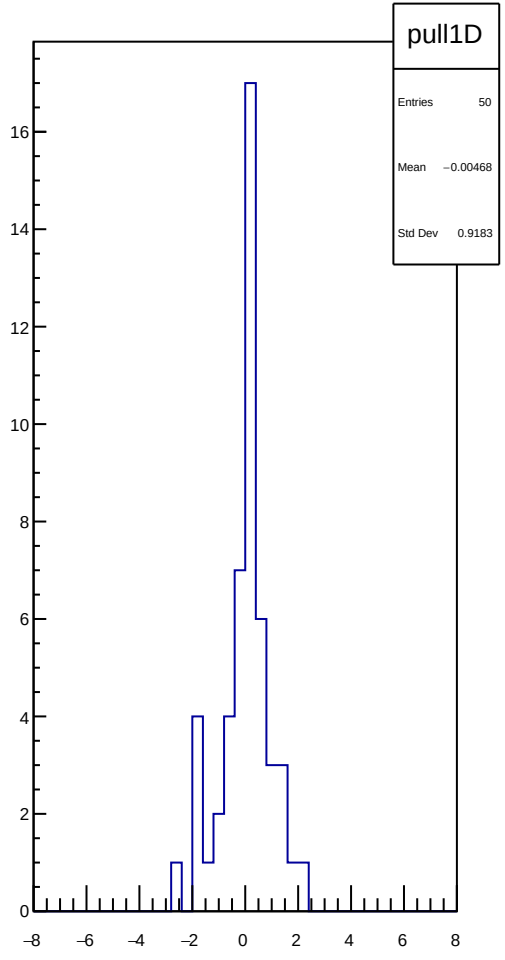

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 1296 / 49
p0 3106 ± 3.186
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

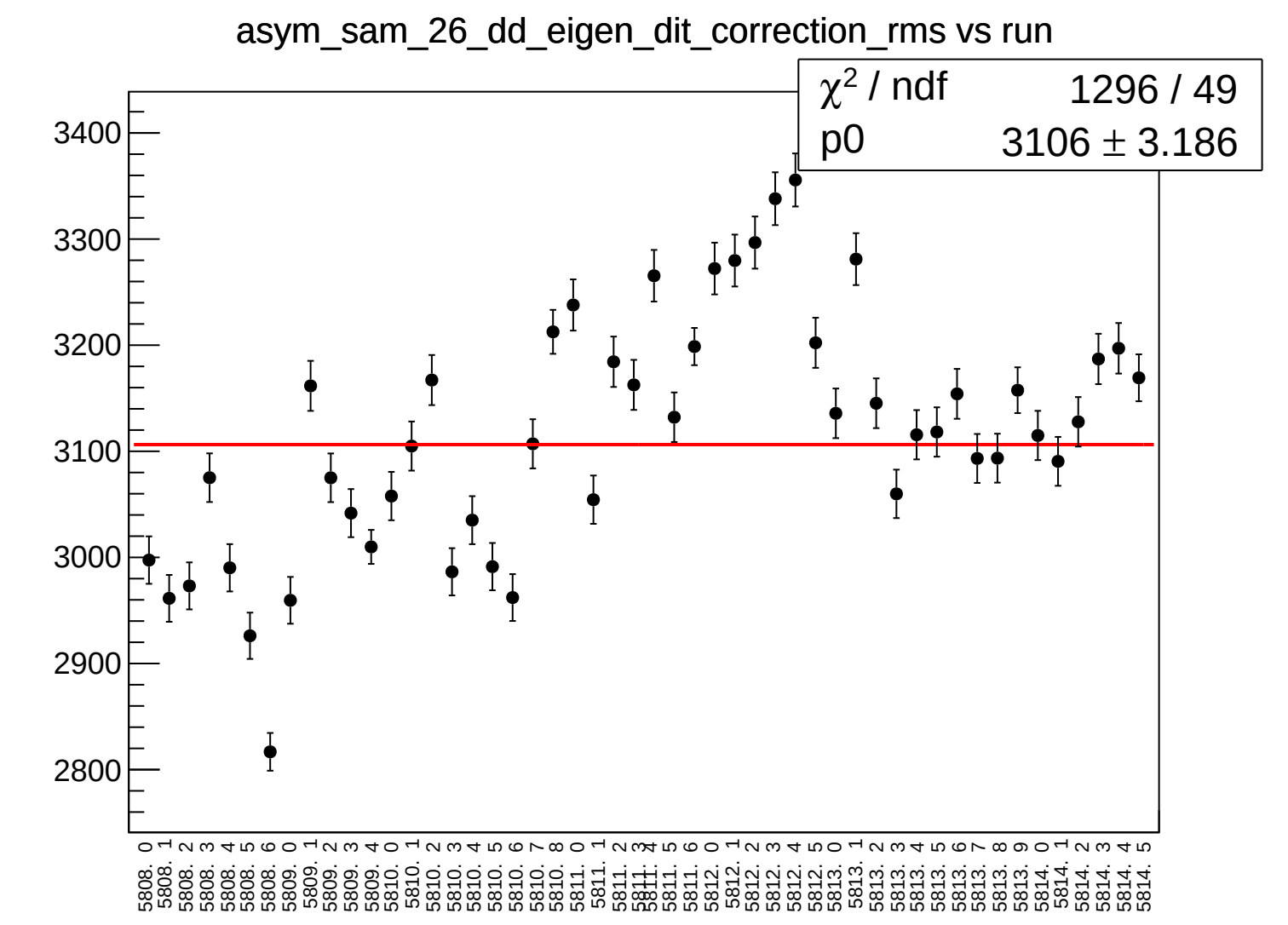

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 61.55 / 49
p0 −504.8 ± 399.6
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean 1547
Std Dev 0

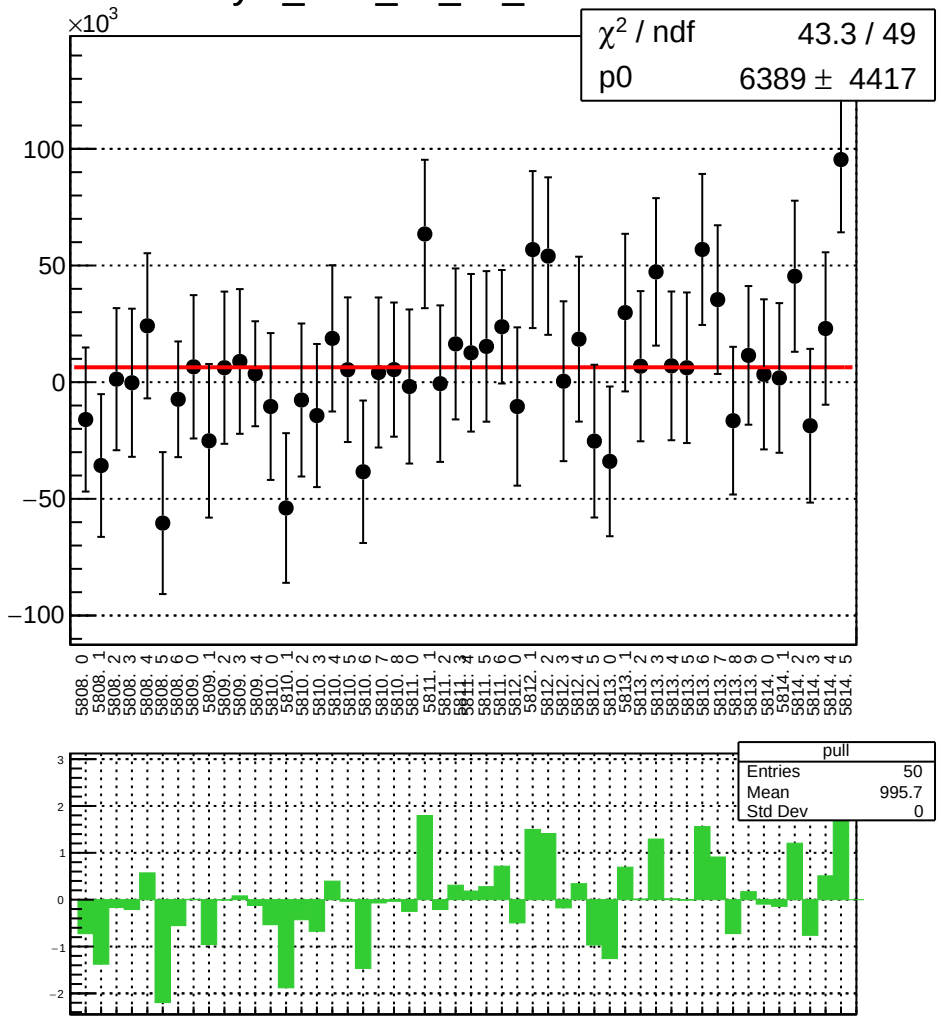

pull1D
Entries 50
Mean 0.001811
Std Dev 1.11

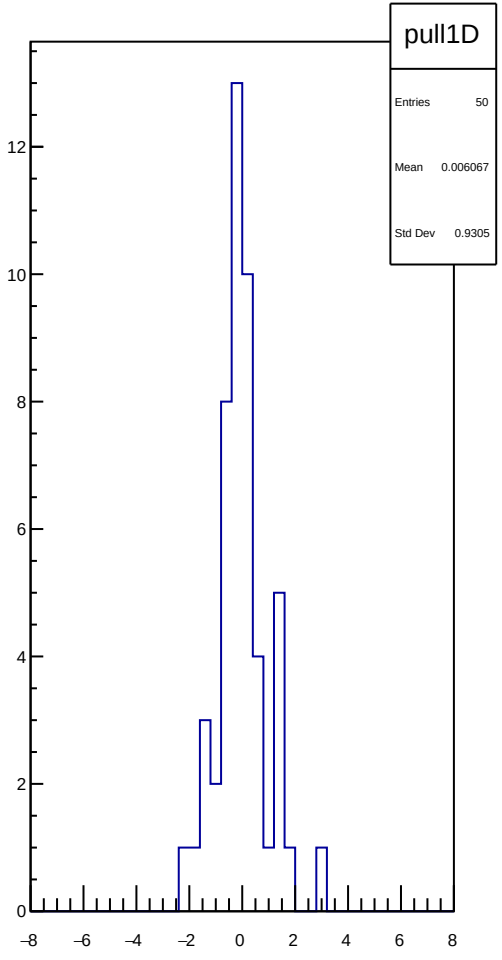

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 1068 / 49
p0 275.5 ± 0.2825
340
330
320
310
300
290
280
270
260
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

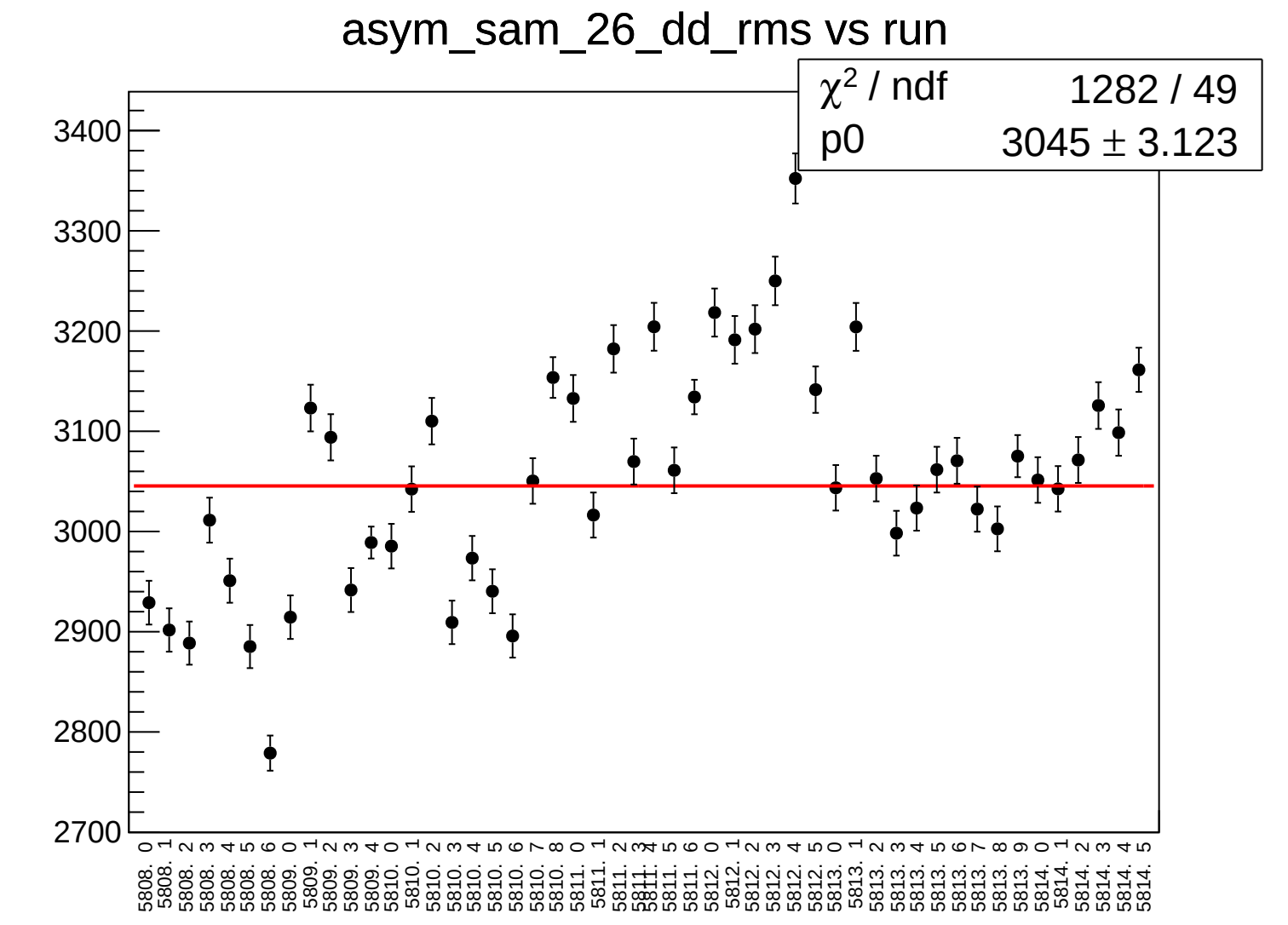

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 42.17 / 49
p0 −6959 ± 4505
100
50
0
−50
−100
pull
Entries 50
Mean 1214
Std Dev 0
2
1
0
−1
−2

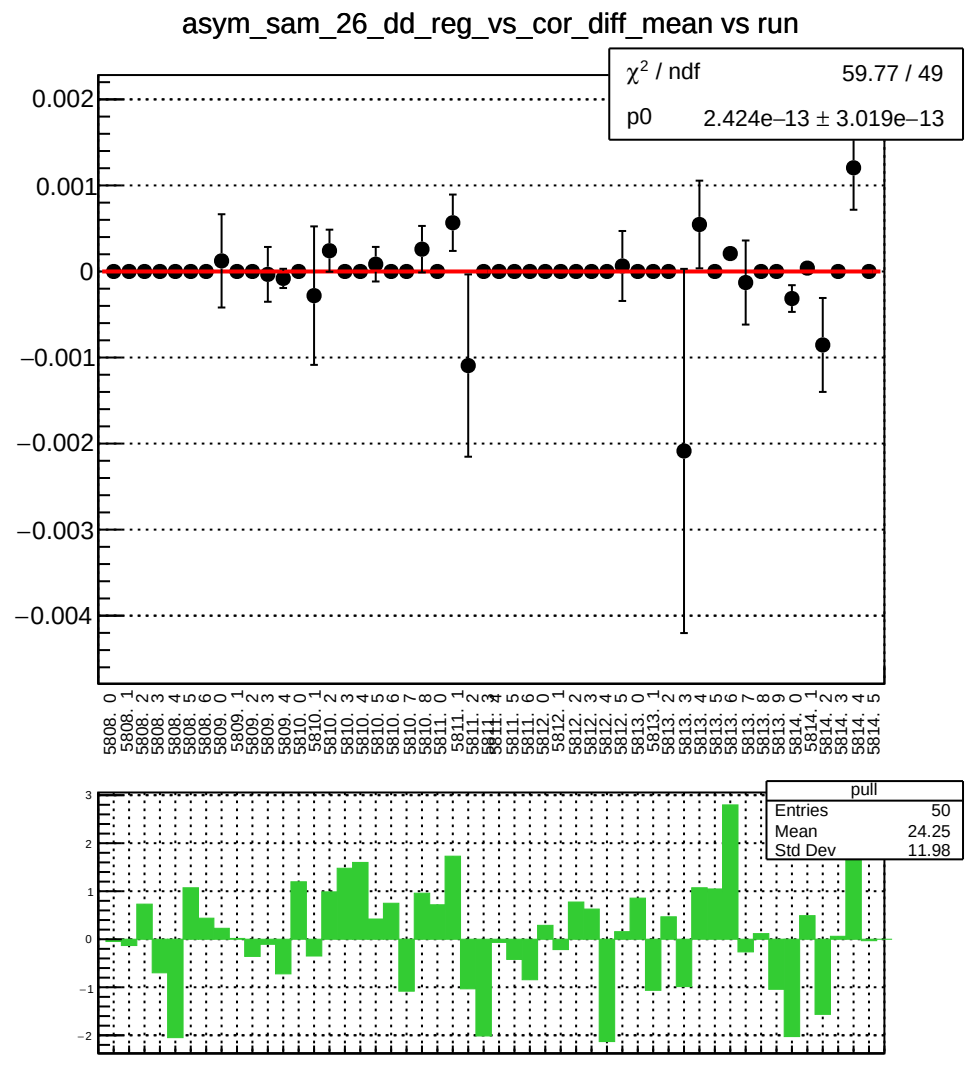

pull1D
Entries 50
Mean −0.00468
Std Dev 0.9183
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

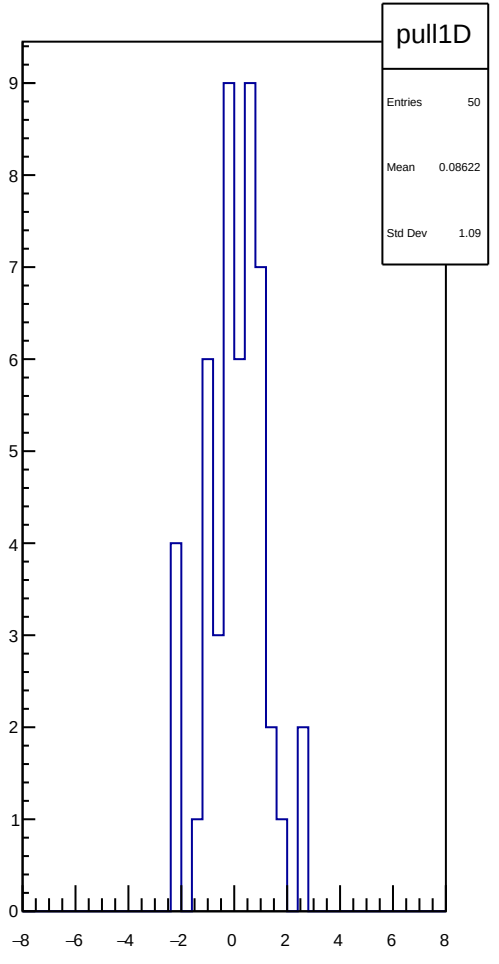

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1296 / 49
p0 3106 ± 3.186
3400
3300
3200
3100
3000
2900
2800
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

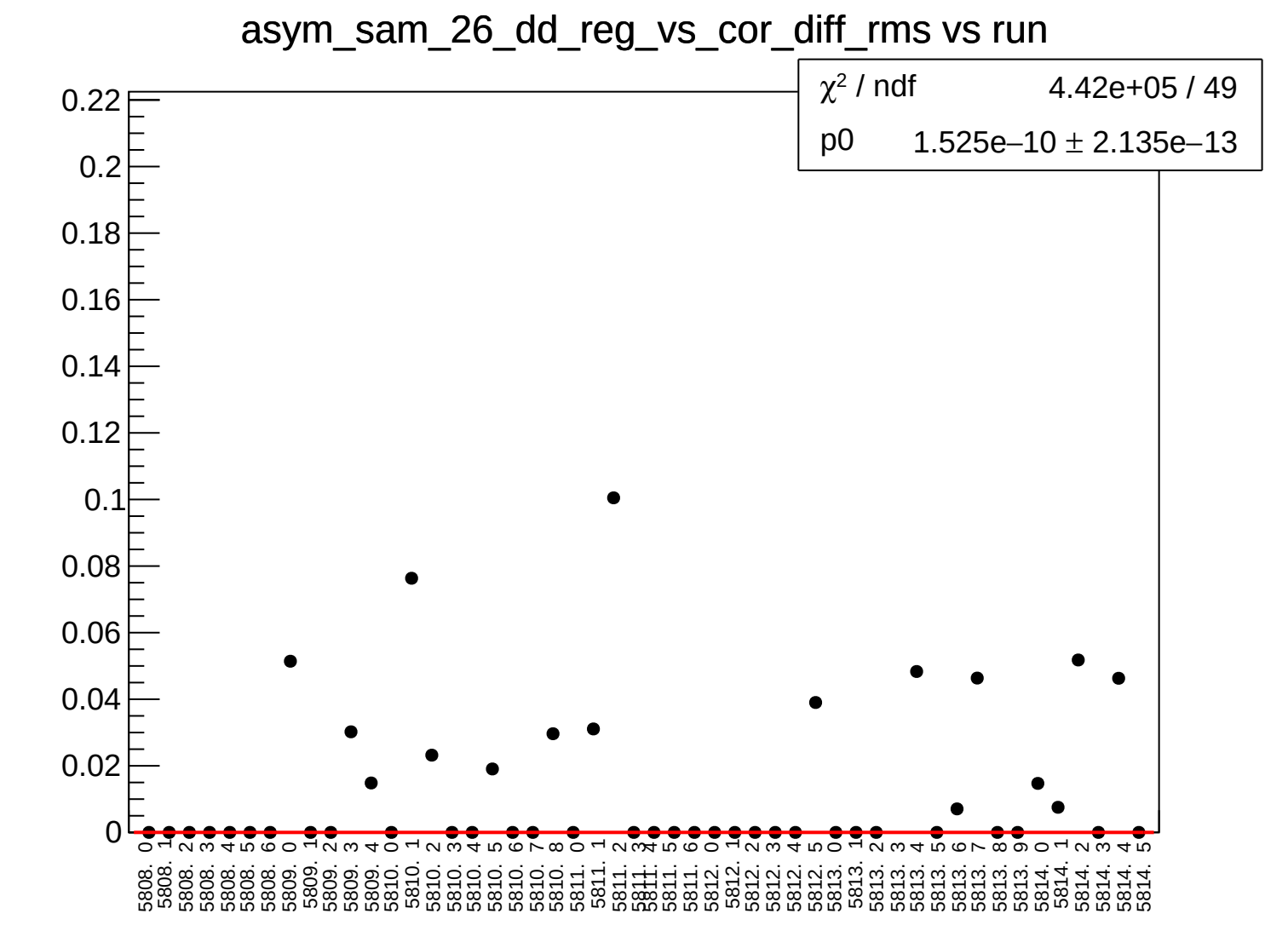

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 43.3 / 49
p0 6389 ± 4417
100
50
0
−50
−100
pull
Entries 50
Mean 995.7
Std Dev 0
3
2
1
0
−1
−2

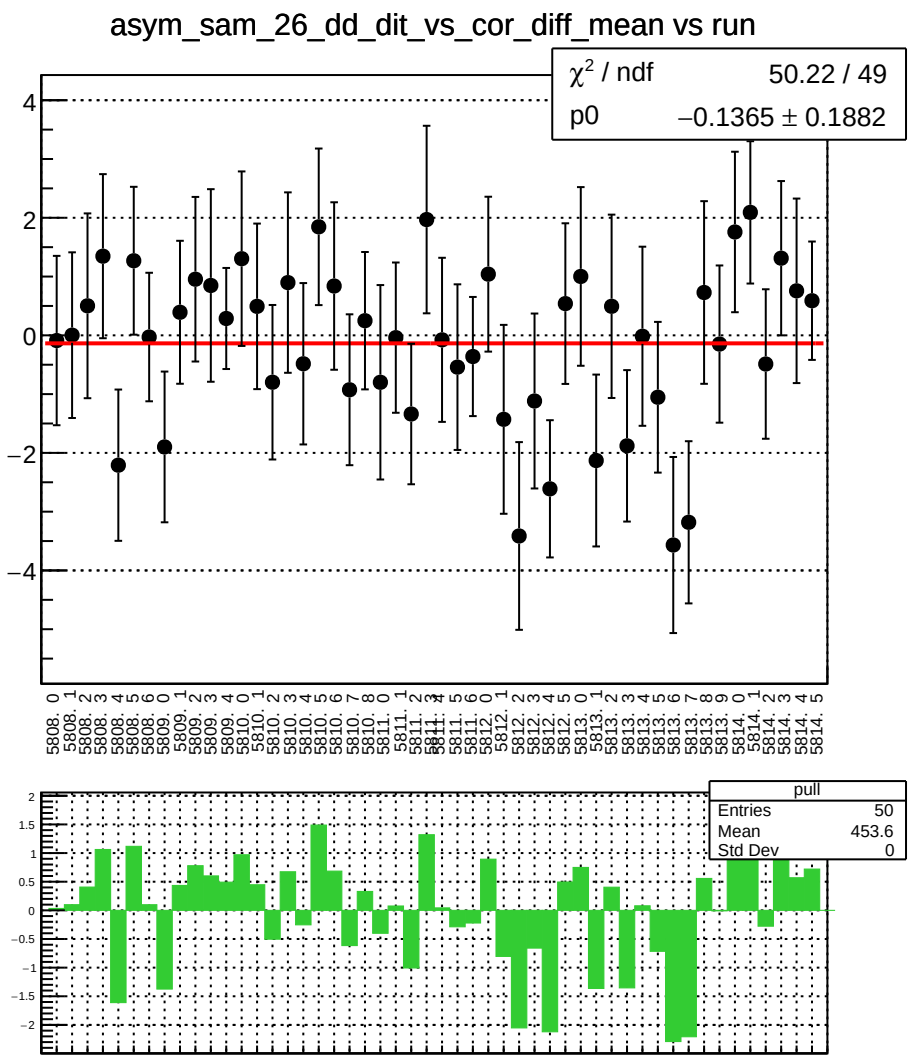

pull1D
Entries 50
Mean 0.006067
Std Dev 0.9305
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

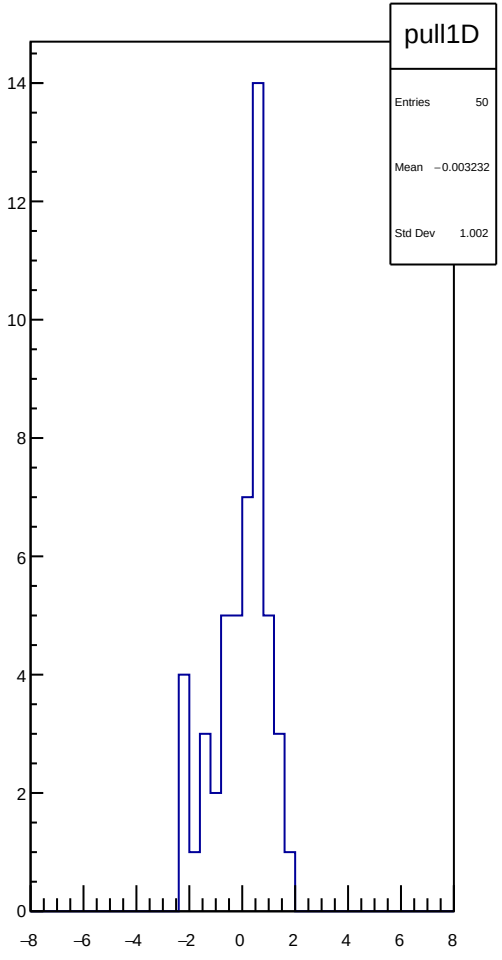

asym_sam_26_dd_rms vs run
χ² / ndf 1282 / 49
p0 3045 ± 3.123
3400
3300
3200
3100
3000
2900
2800
2700
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

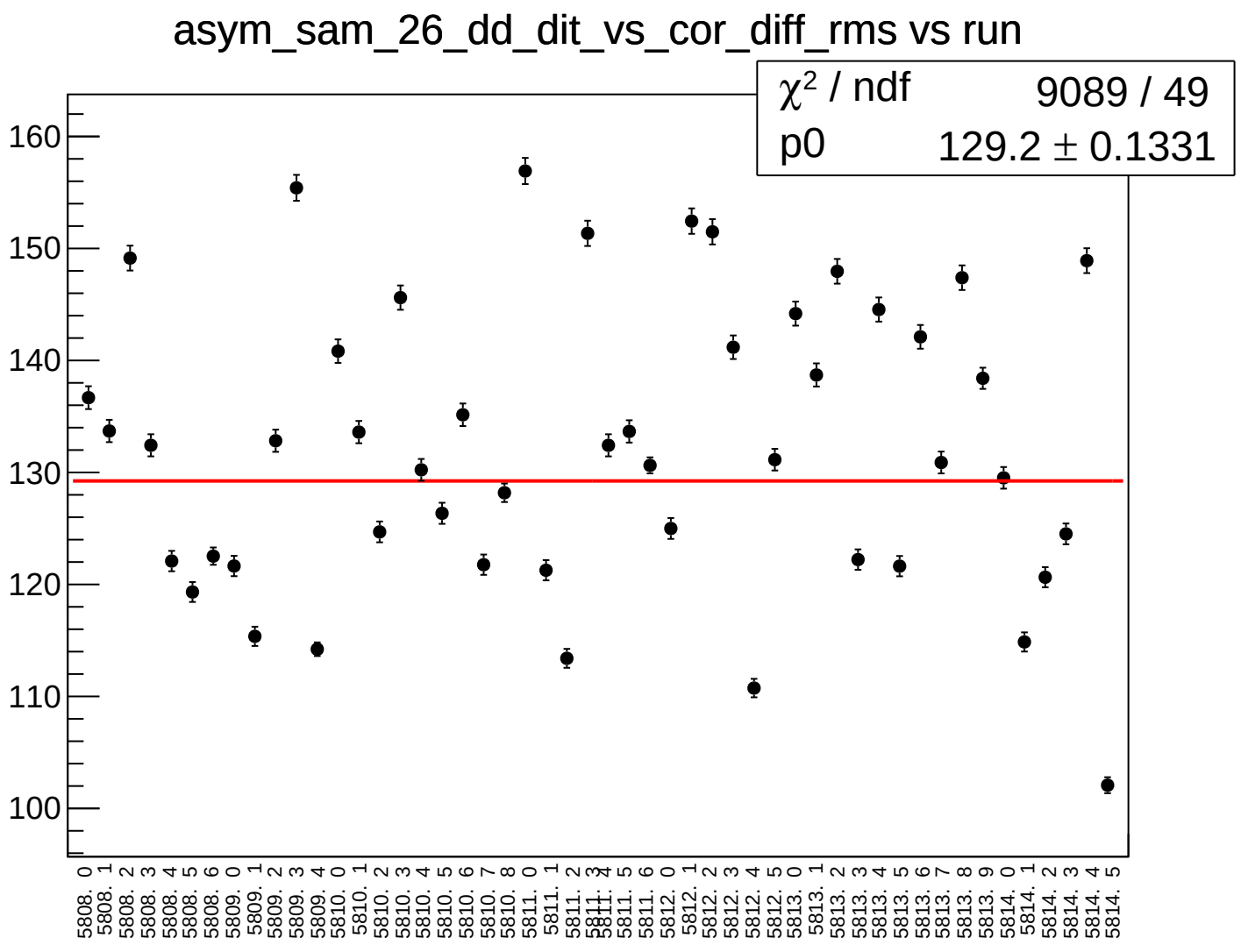

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.77 / 49
p0 2.424e−13 ± 3.019e−13
0.002
0.001
0
−0.001
−0.002
−0.003
−0.004
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 24.25
Std Dev 11.98
3
2
1
0
−1
−2

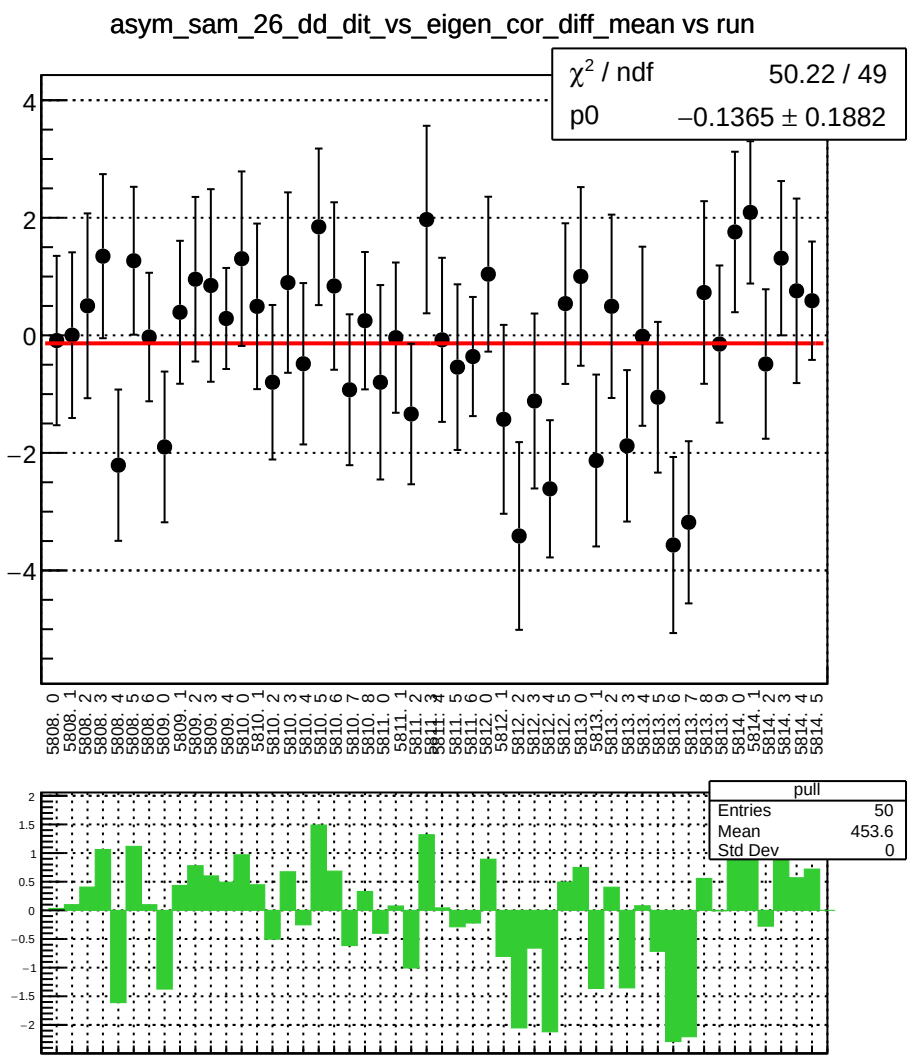

pull1D
Entries 50
Mean 0.08622
Std Dev 1.09
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

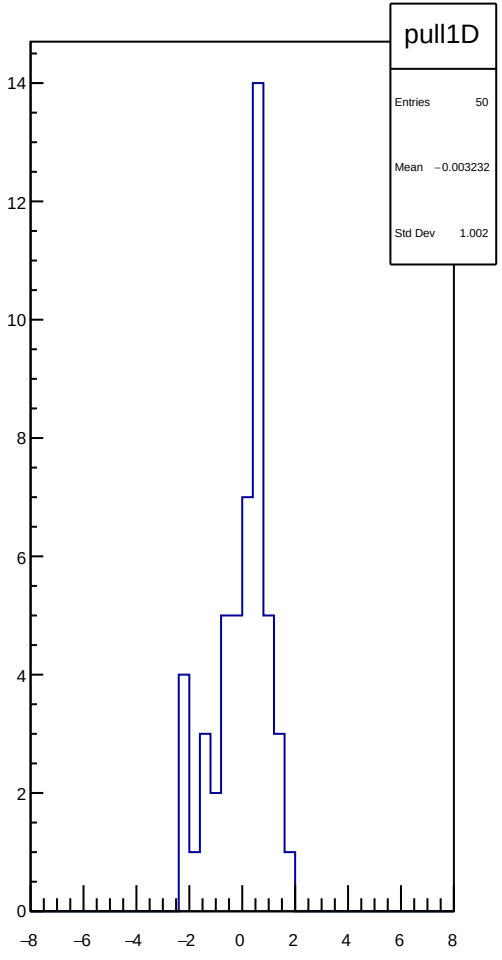

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.42e+05 / 49
p0 1.525e−10 ± 2.135e−13
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

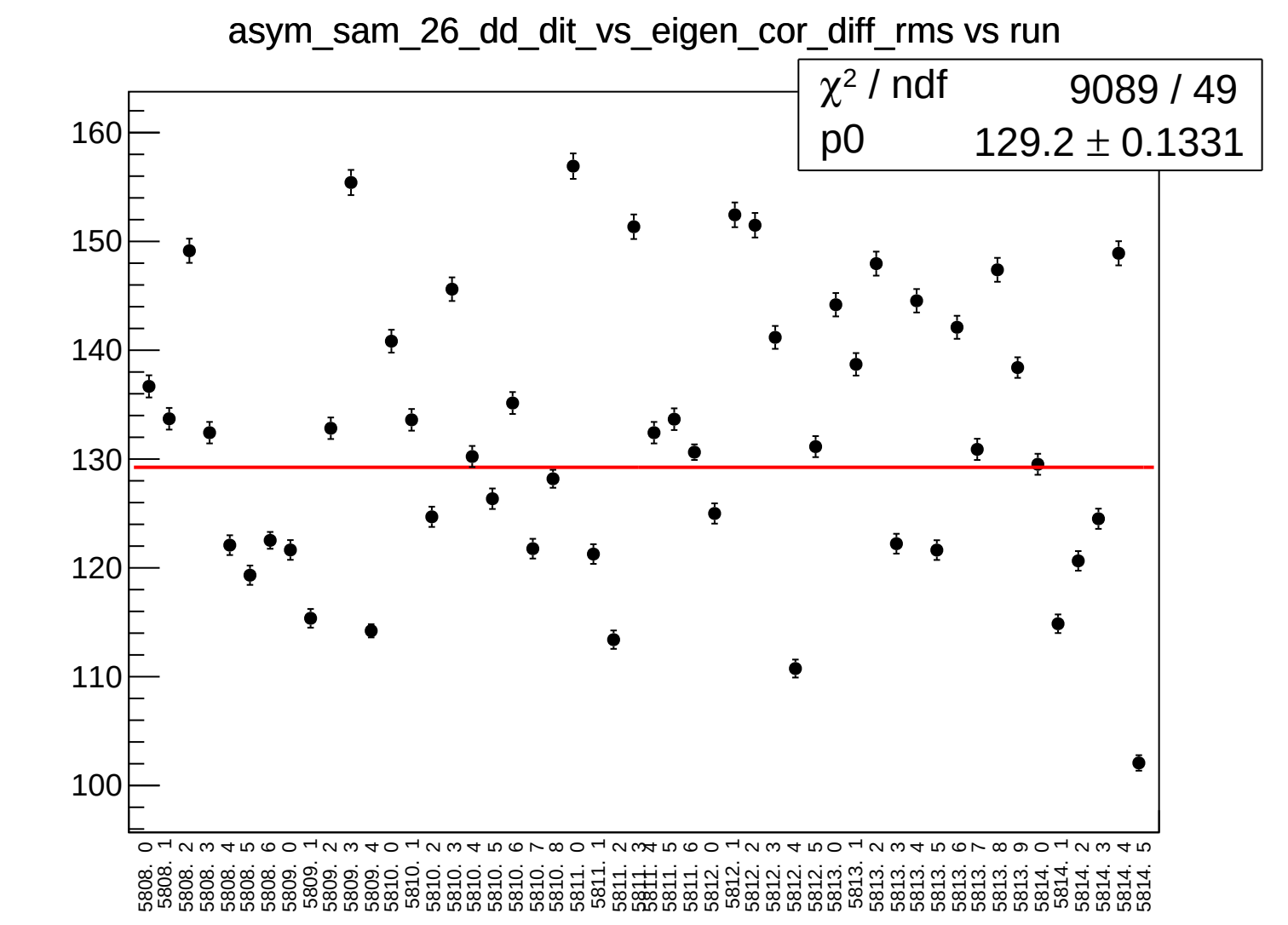

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.22 / 49
p0 −0.1365 ± 0.1882
pull
Entries 50
Mean 453.6
Std Dev 0

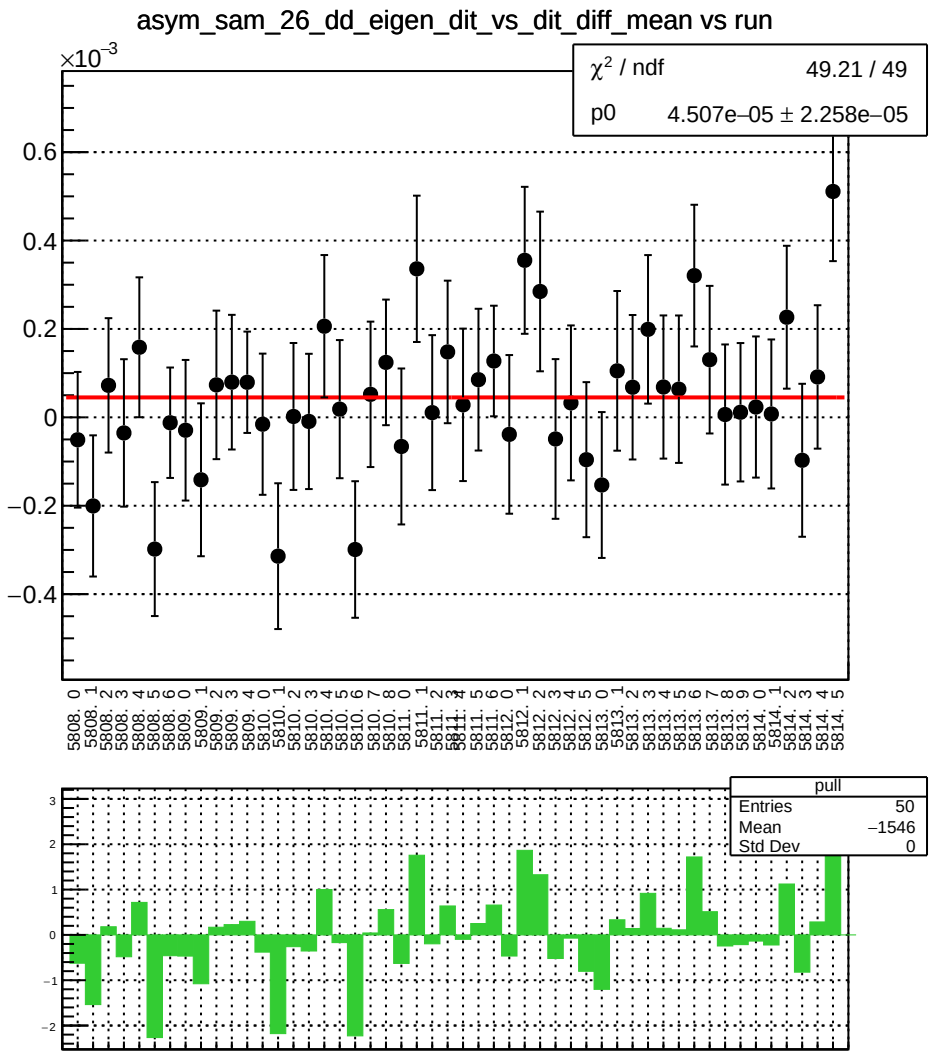

pull1D
Entries 50
Mean −0.003232
Std Dev 1.002

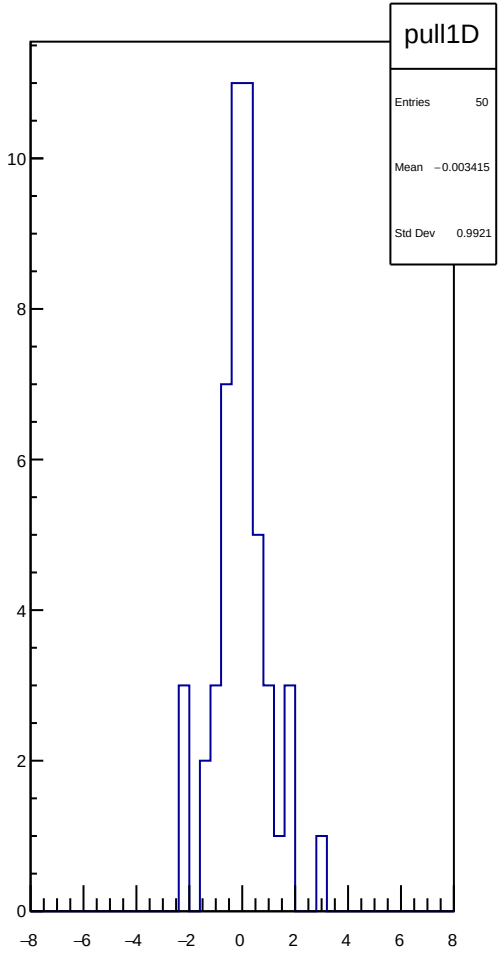

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9089 / 49
p0 129.2 ± 0.1331
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

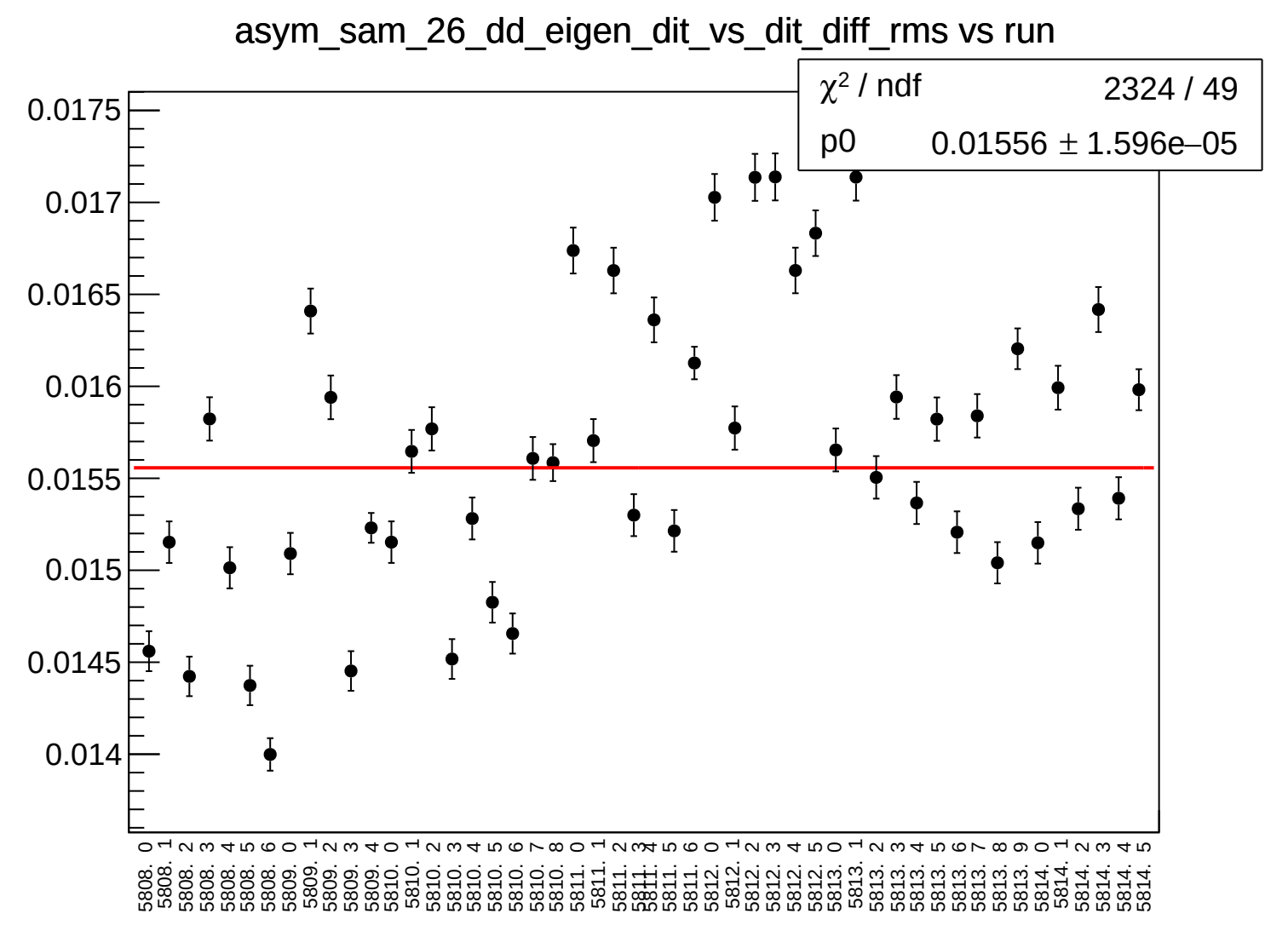

asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.22 / 49
p0 −0.1365 ± 0.1882
pull
Entries 50
Mean 453.6
Std Dev 0

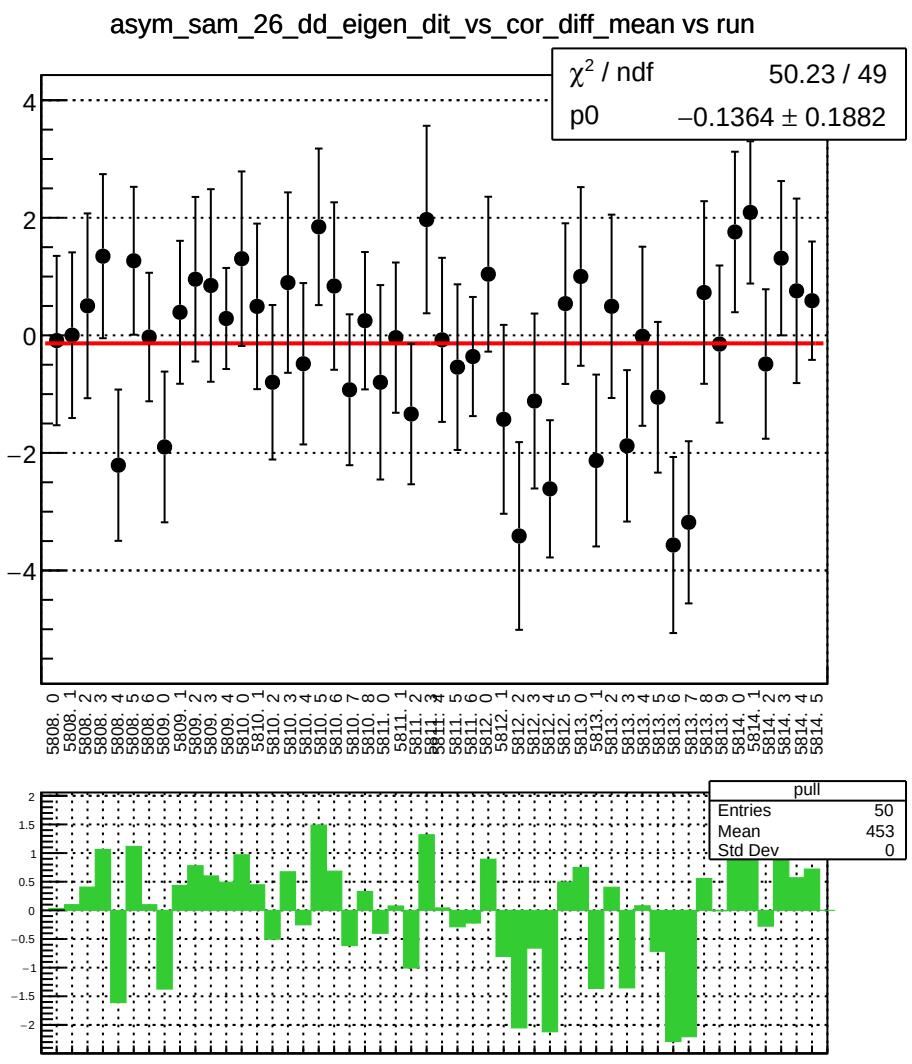

pull1D
Entries 50
Mean −0.003232
Std Dev 1.002

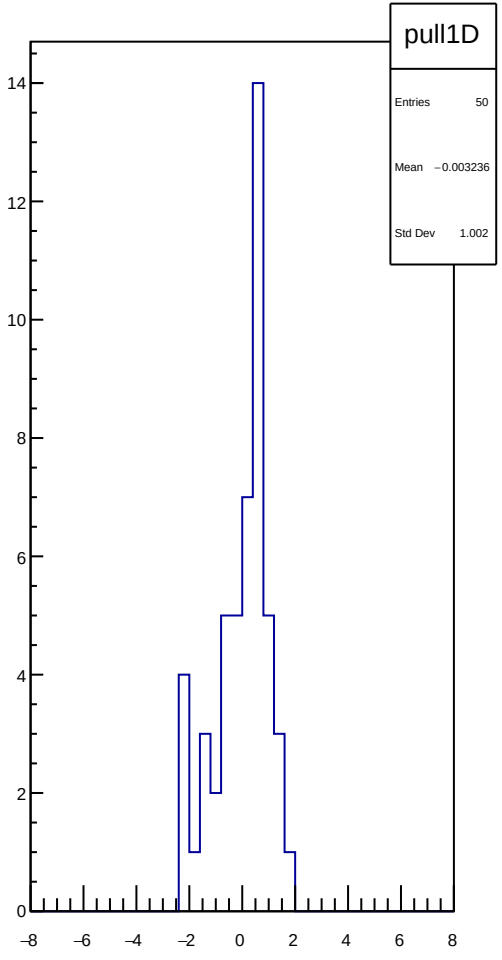

asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9089 / 49
p0 129.2 ± 0.1331
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

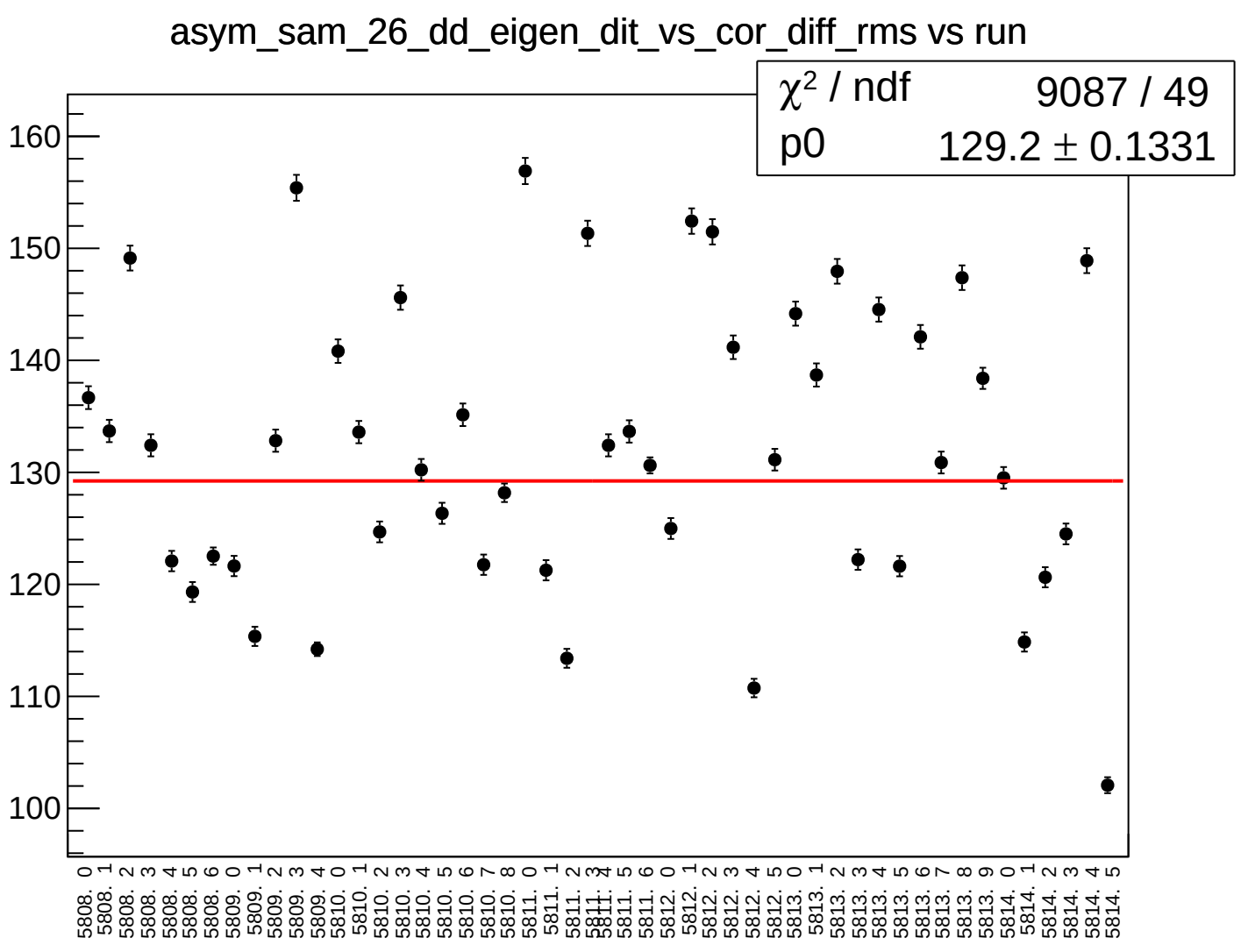

asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.21 / 49
p0 4.507e−05 ± 2.258e−05
0.6
0.4
0.2
0
−0.2
−0.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1546
Std Dev 0
3
2
1
0
−1
−2

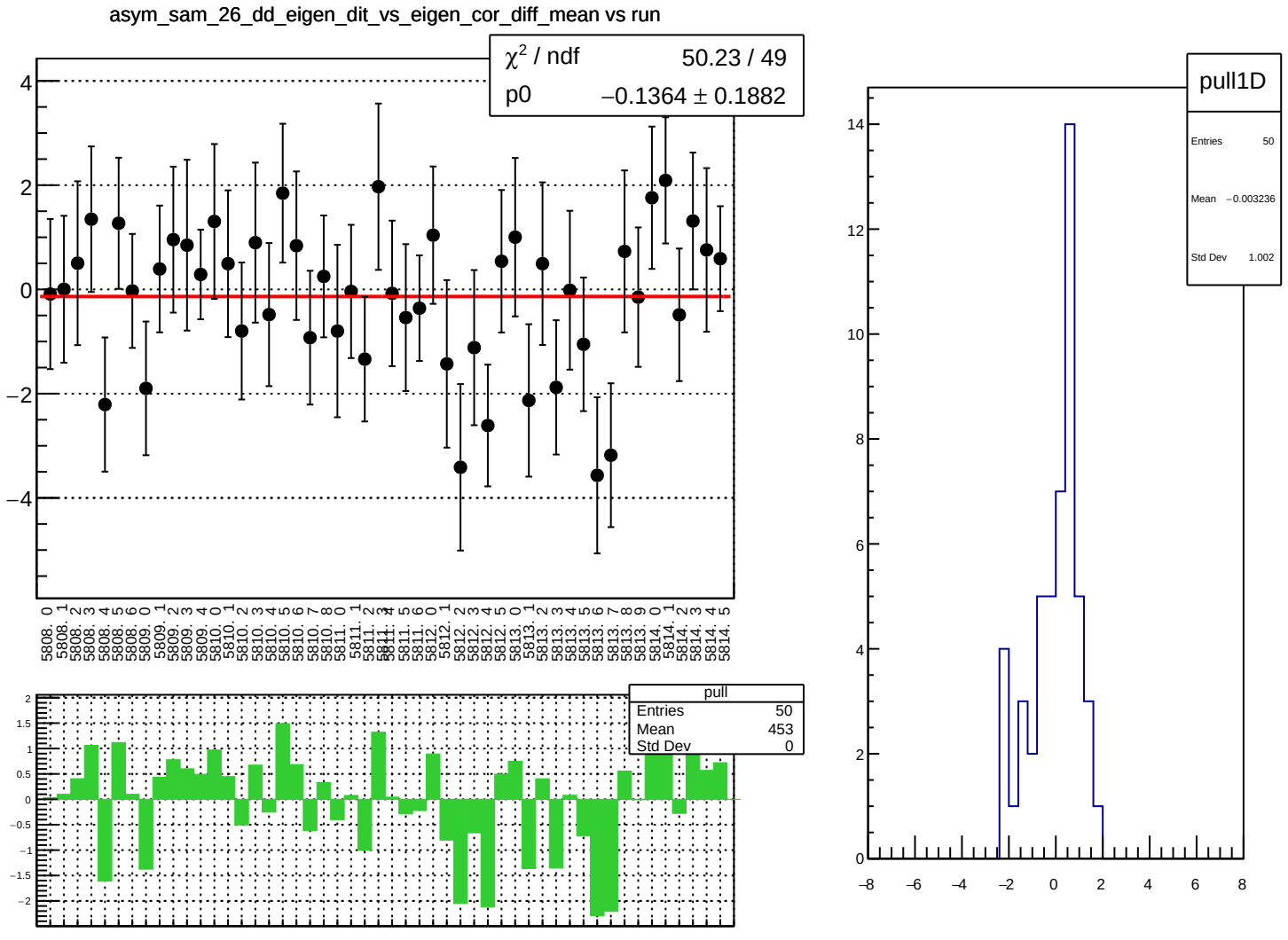

pull1D
Entries 50
Mean −0.003415
Std Dev 0.9921
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

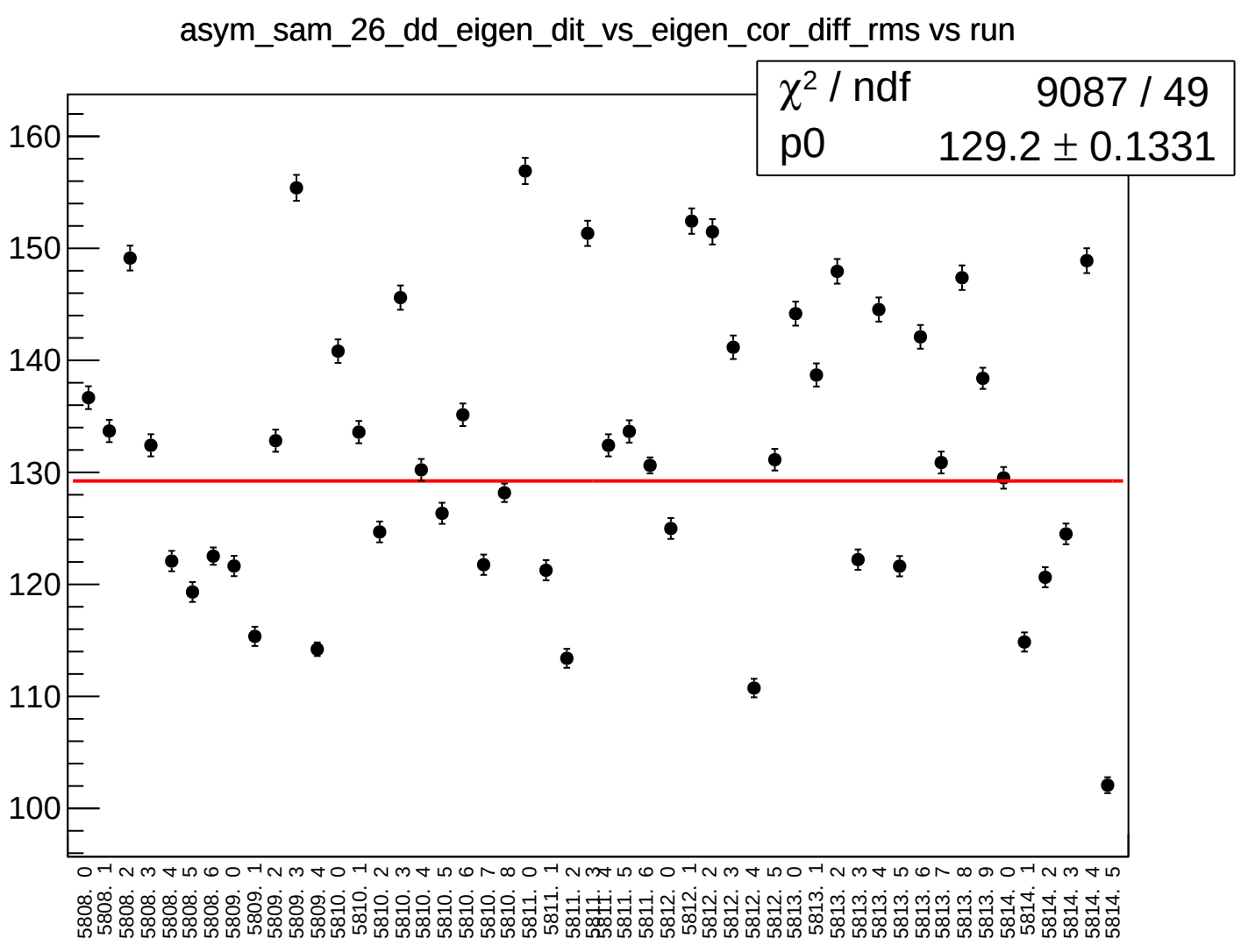

asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2324 / 49
p0 0.01556 ± 1.596e−05
0.0175
0.017
0.0165
0.016
0.0155
0.015
0.0145
0.014
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

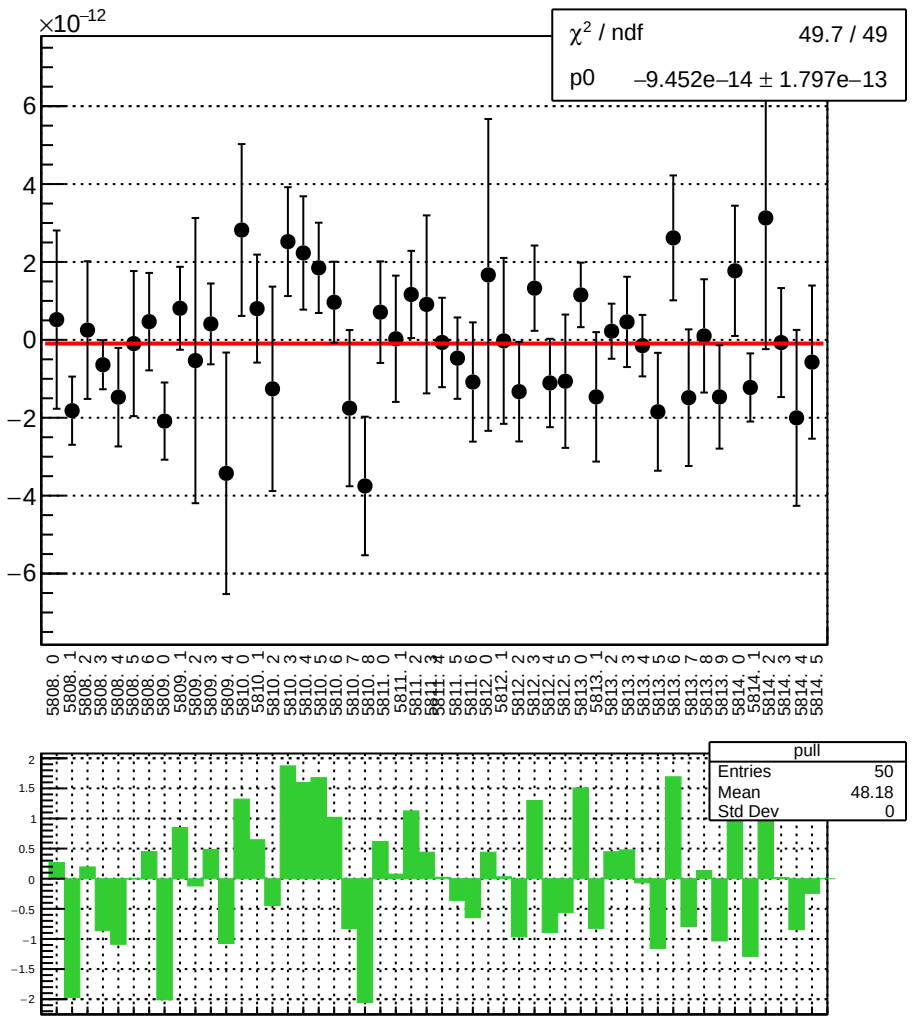

asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.23 / 49
p0 −0.1364 ± 0.1882
pull
Entries 50
Mean 453
Std Dev 0

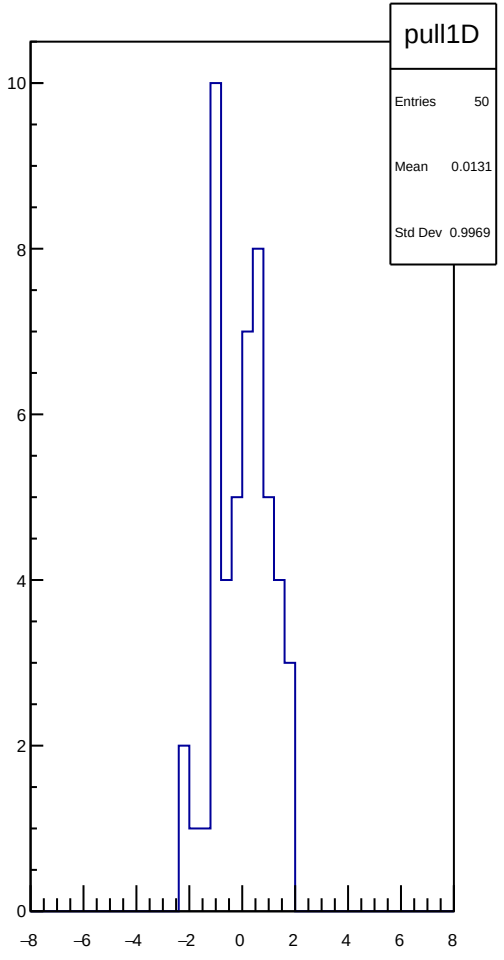

pull1D
Entries 50
Mean −0.003236
Std Dev 1.002

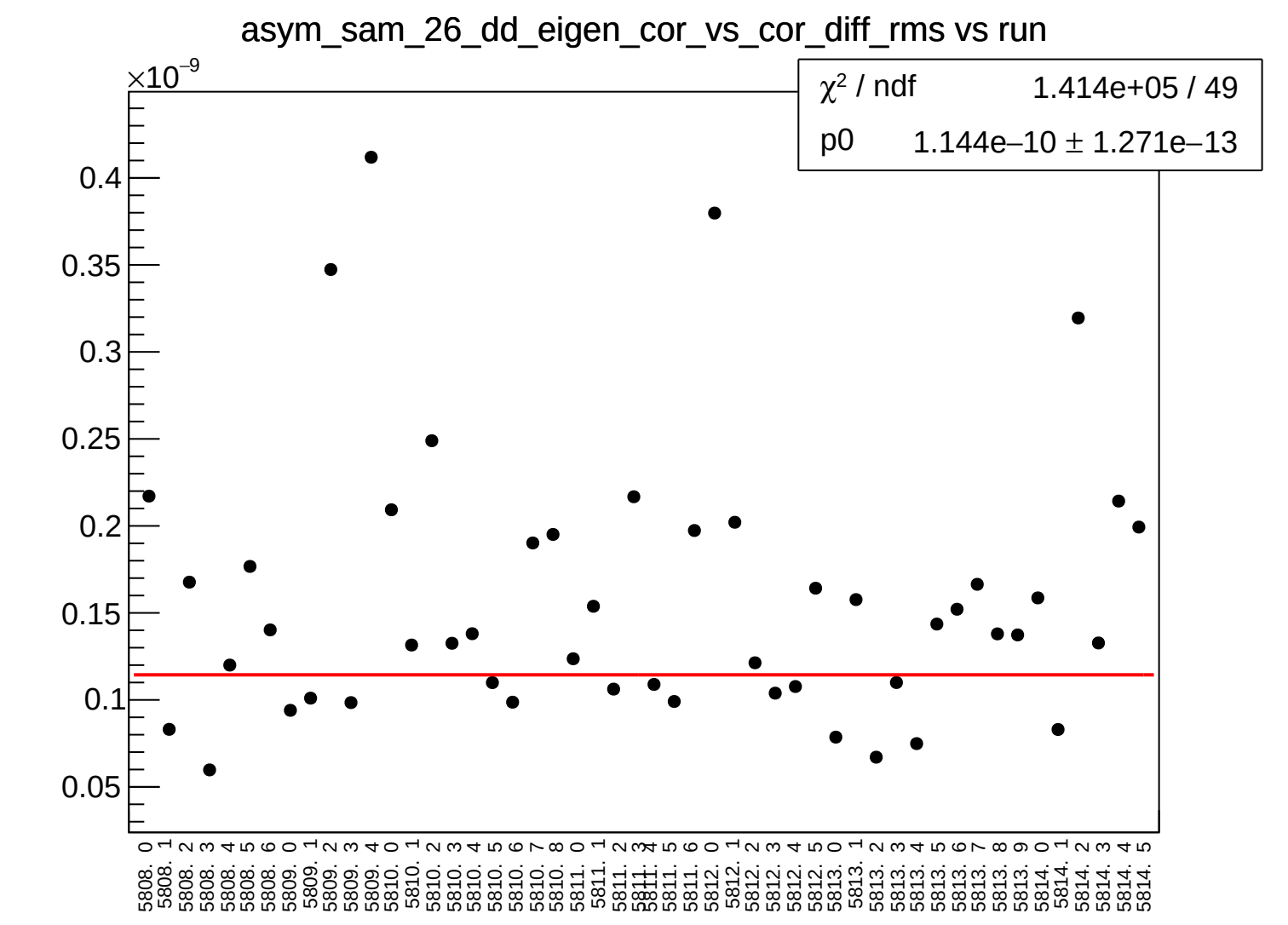

asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9087 / 49
p0 129.2 ± 0.1331
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

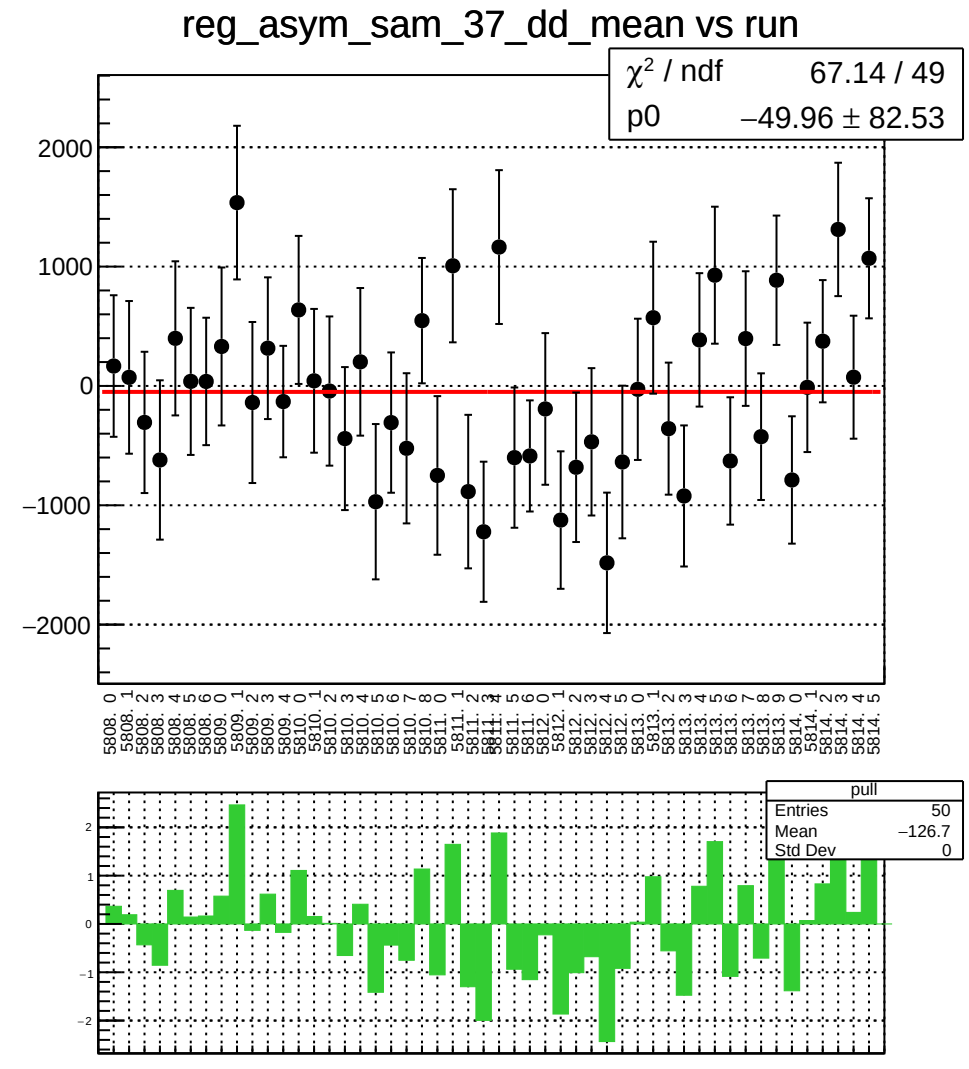

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.23 / 49
p0 −0.1364 ± 0.1882
pull
Entries 50
Mean 453
Std Dev 0
pull1D
Entries 50
Mean −0.003236
Std Dev 1.002

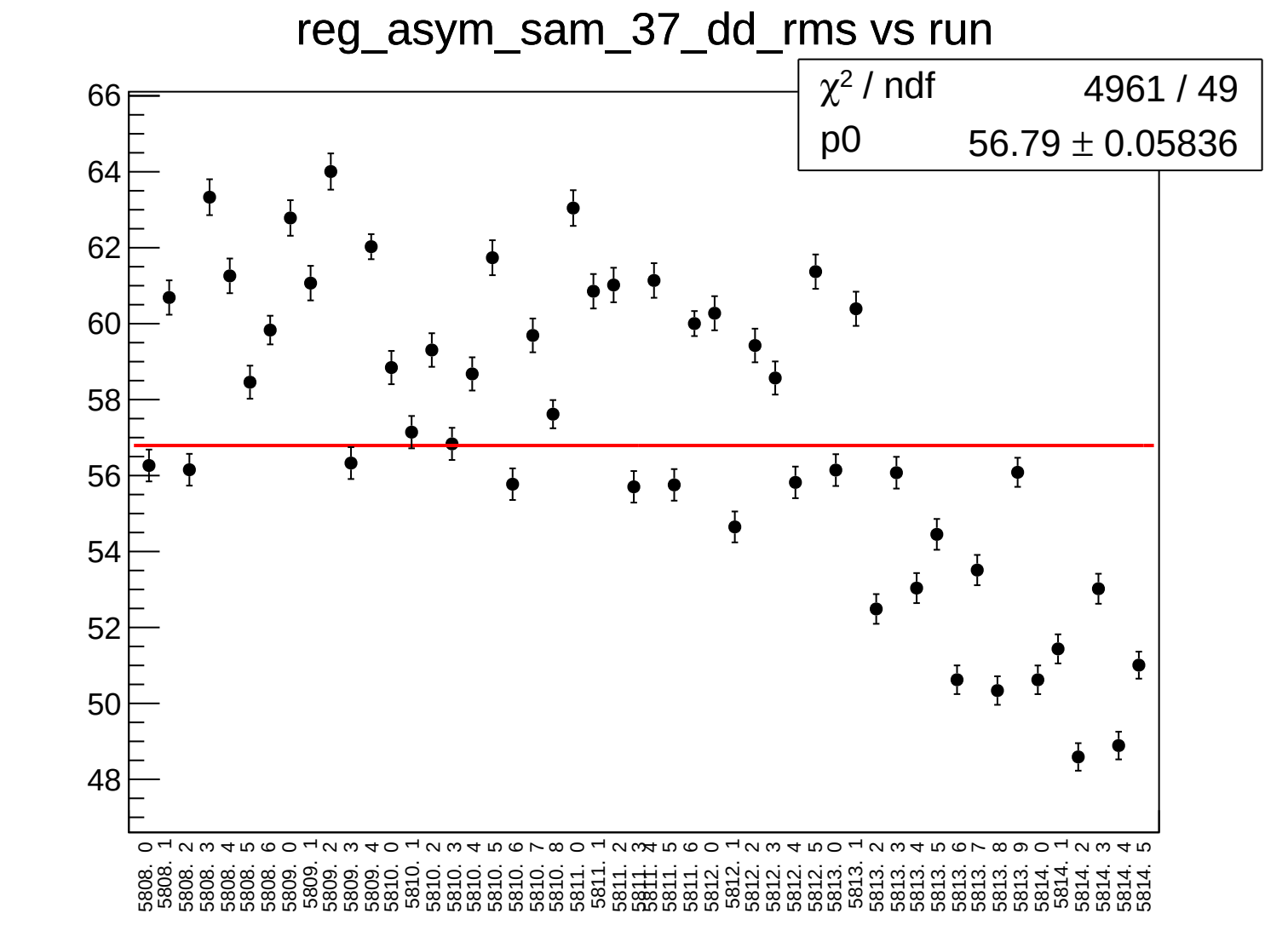

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9087 / 49
p0 129.2 ± 0.1331
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

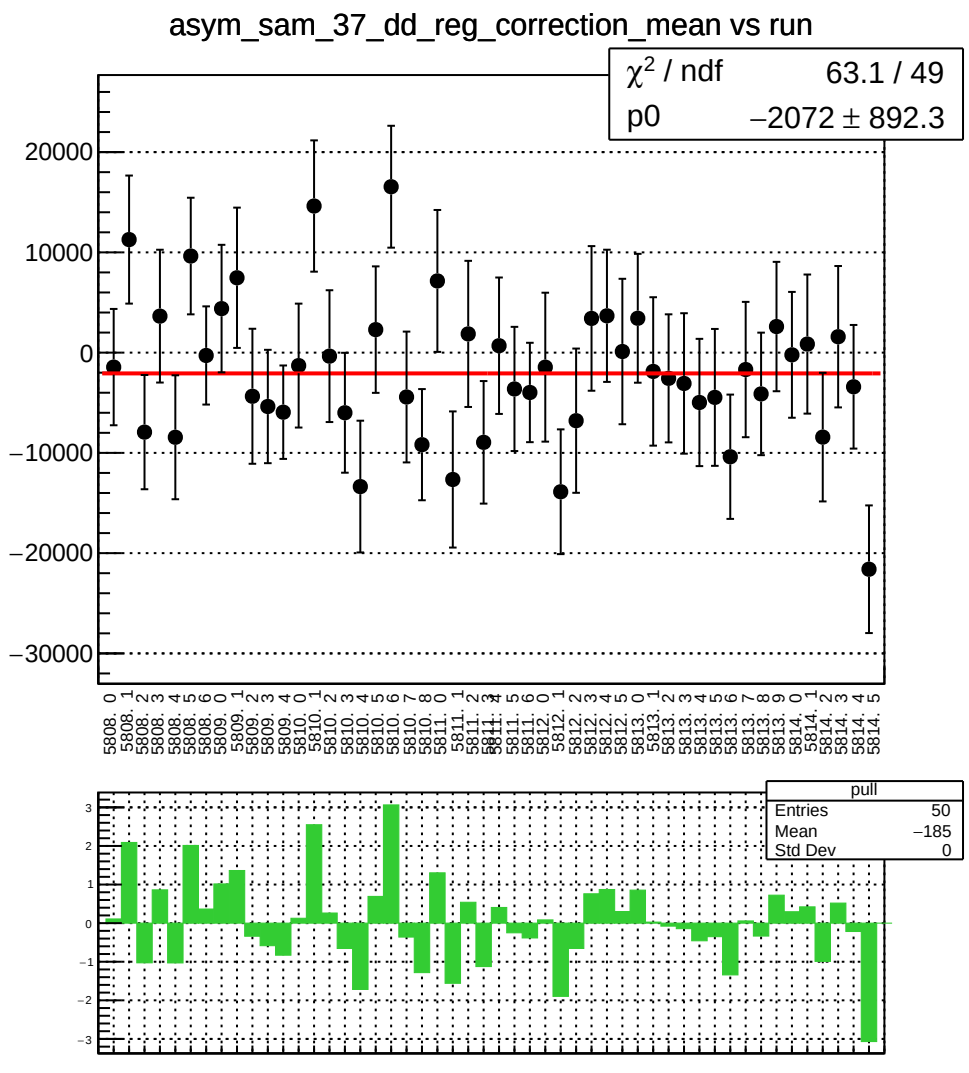

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.7 / 49
p0 −9.452e−14 ± 1.797e−13
pull
Entries 50
Mean 48.18
Std Dev 0

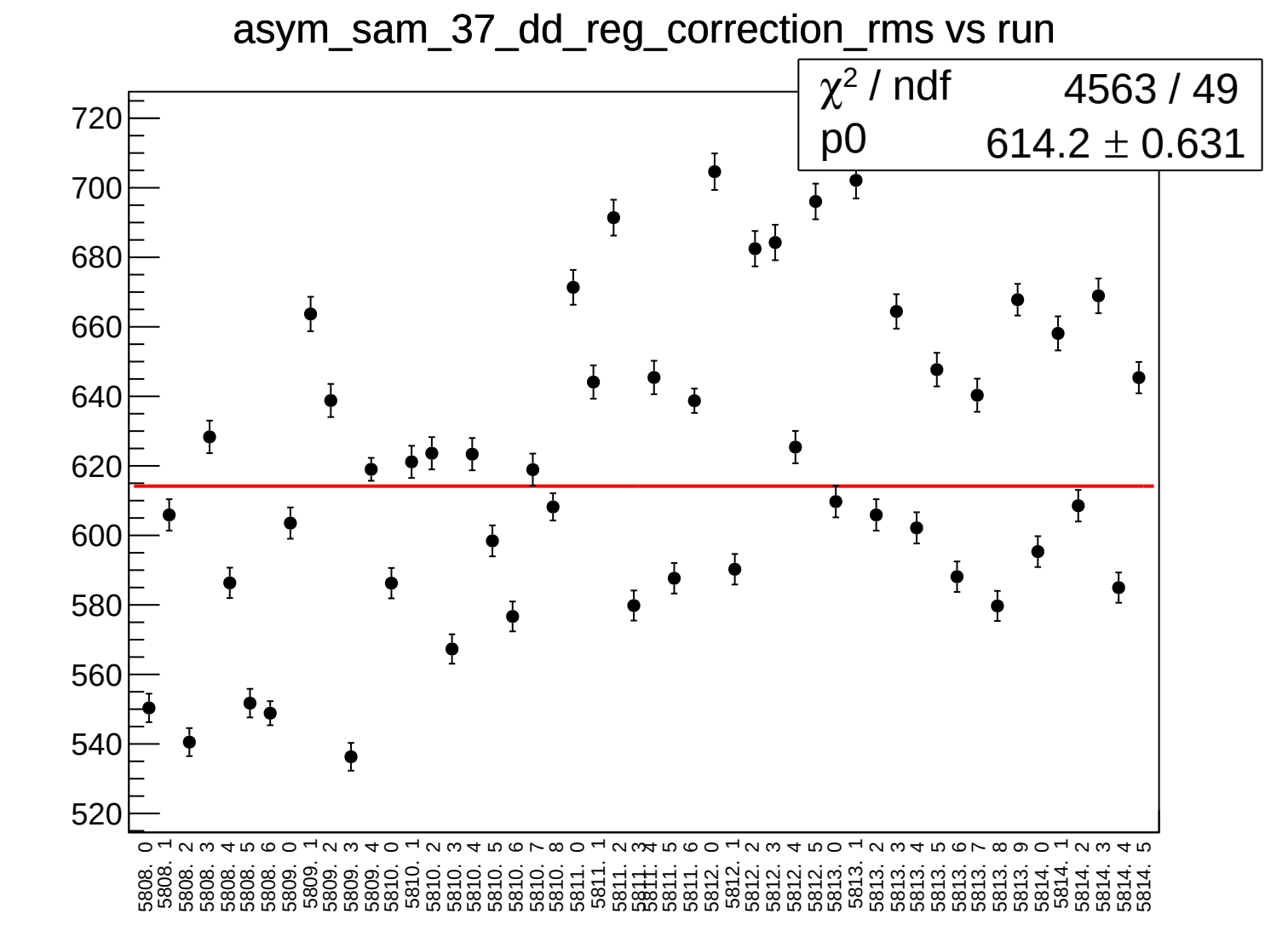

pull1D
Entries 50
Mean 0.0131
Std Dev 0.9969

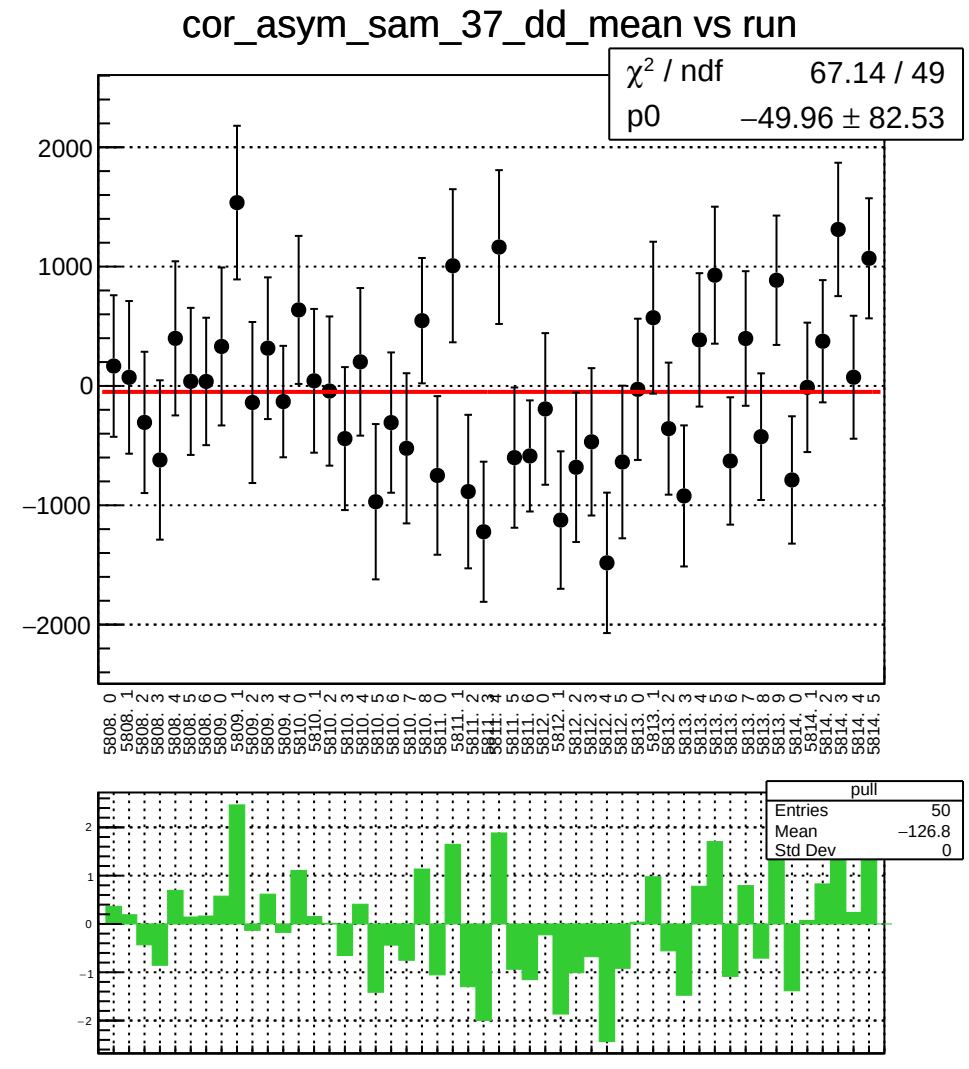

asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.414e+05 / 49
p0 1.144e−10 ± 1.271e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_37_dd_mean vs run
χ² / ndf 67.14 / 49
p0 −49.96 ± 82.53
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −126.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.004853
Std Dev 1.159
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_dd_rms vs run
χ² / ndf 4961 / 49
p0 56.79 ± 0.05836
66
64
62
60
58
56
54
52
50
48
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 63.1 / 49
p0 −2072 ± 892.3
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −185
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.02007
Std Dev 1.123
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_reg_correction_rms vs run
χ² / ndf 4563 / 49
p0 614.2 ± 0.631
720
700
680
660
640
620
600
580
560
540
520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_37_dd_mean vs run
χ² / ndf 67.14 / 49
p0 −49.96 ± 82.53
2000
1000
0
−1000
−2000
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5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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5814. 1
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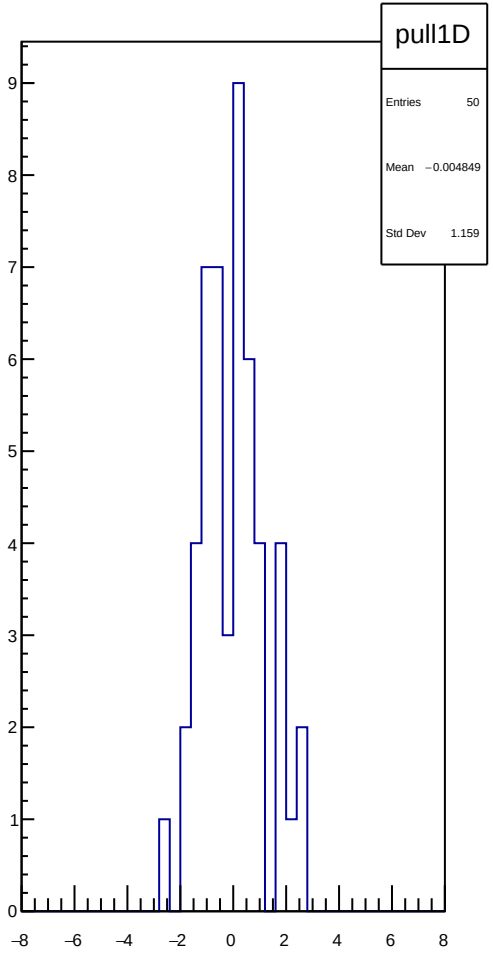
5814. 5
pull
Entries 50
Mean −126.8
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.004849
Std Dev 1.159
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−4
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6
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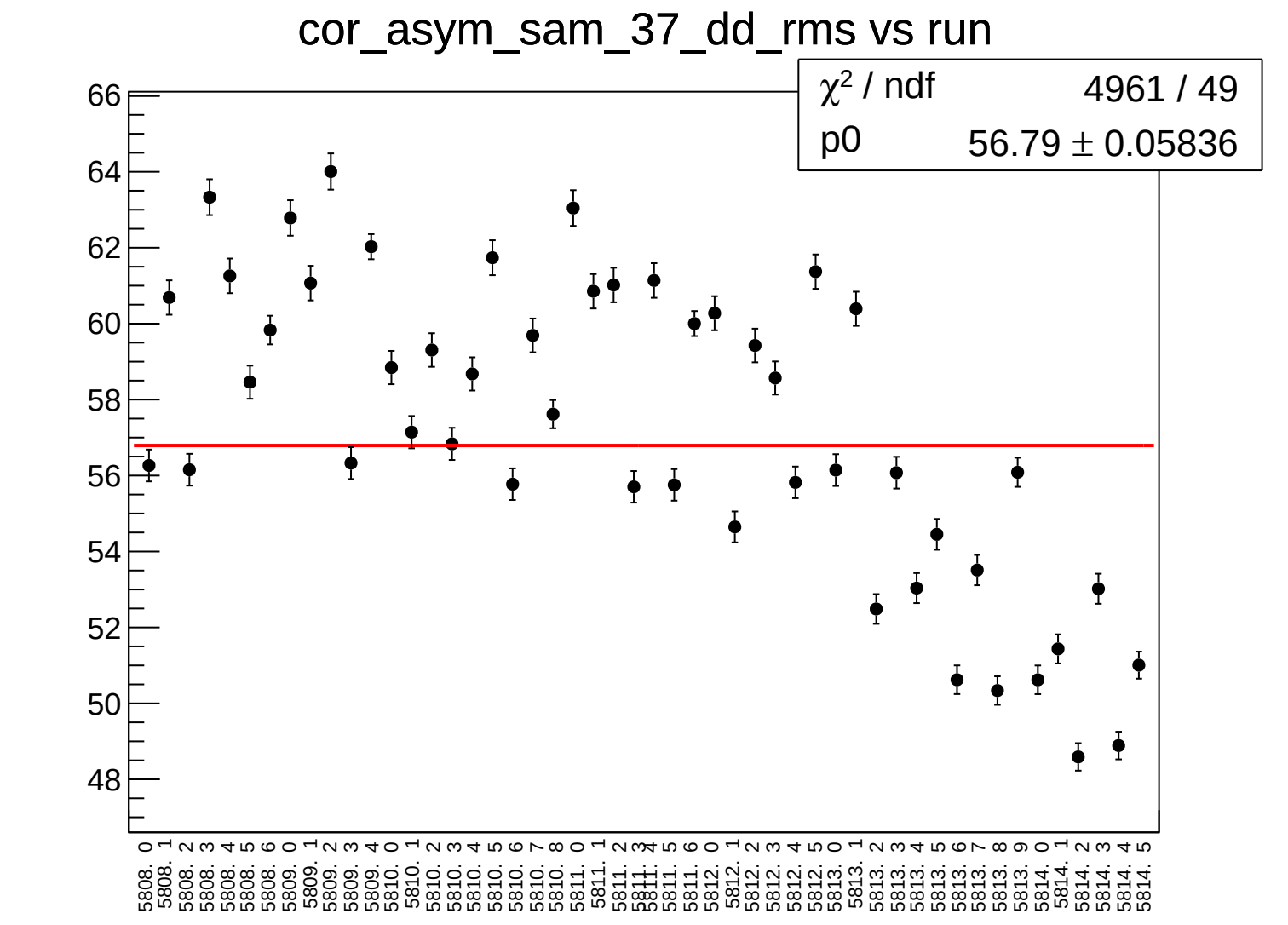
cor_asym_sam_37_dd_rms vs run
χ² / ndf 4961 / 49
p0 56.79 ± 0.05836
66
64
62
60
58
56
54
52
50
48
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 5
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5813. 8
5813. 9
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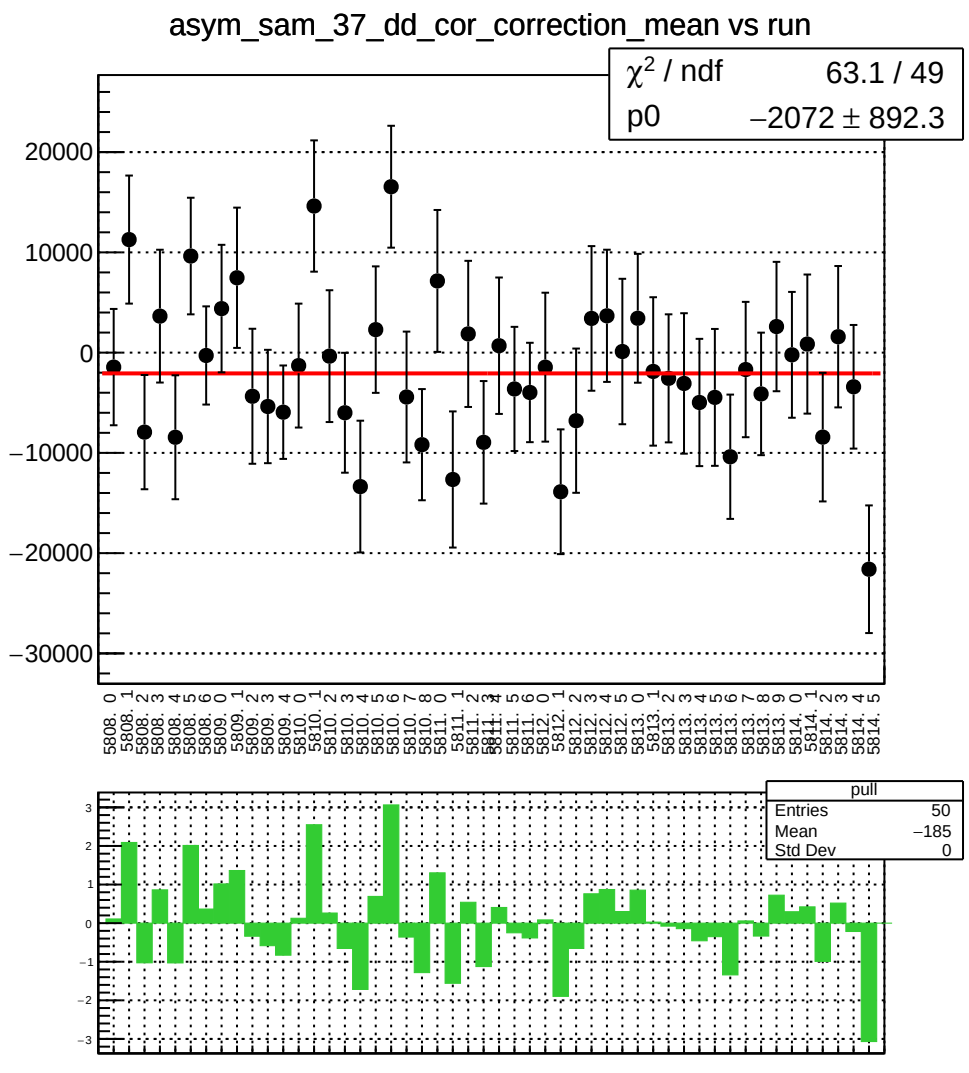
5814. 4
5814. 5


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 63.1 / 49
p0 −2072 ± 892.3
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5813. 2
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −185
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.02007
Std Dev 1.123
9
8
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2
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6
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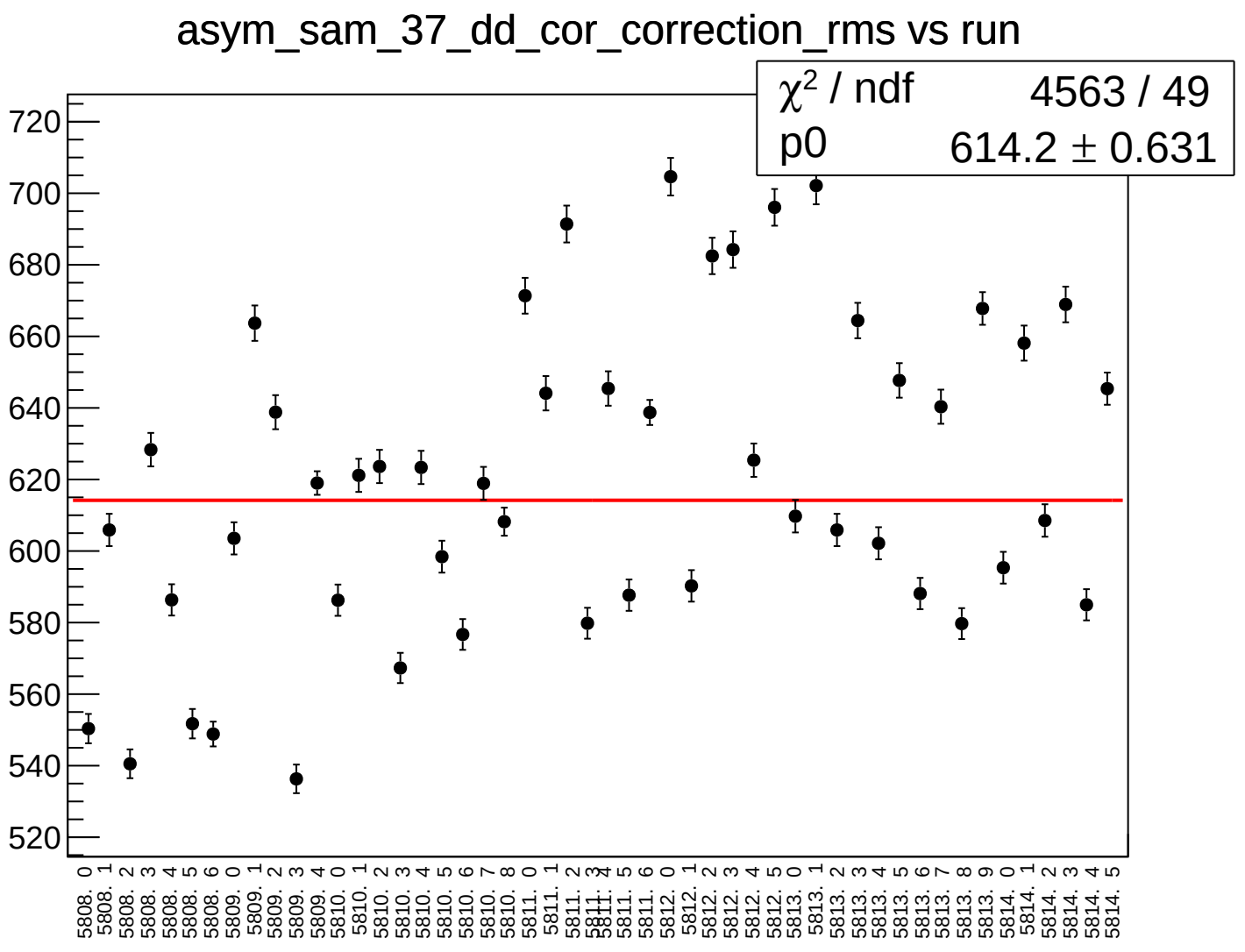
asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 4563 / 49
p0 614.2 ± 0.631
720
700
680
660
640
620
600
580
560
540
520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5811. 5
5811. 6
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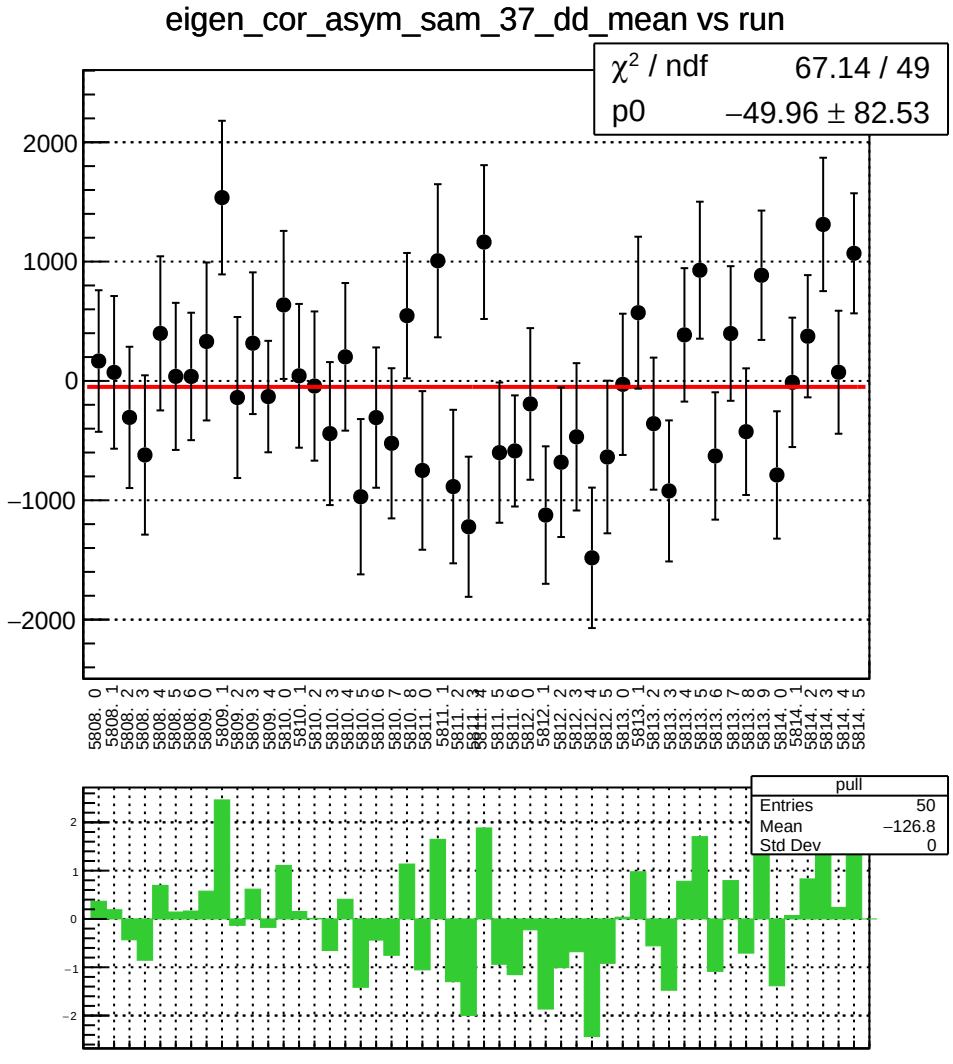
eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 67.14 / 49
p0 −49.96 ± 82.53
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
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5814. 4
5814. 5
pull
Entries 50
Mean −126.8
Std Dev 0
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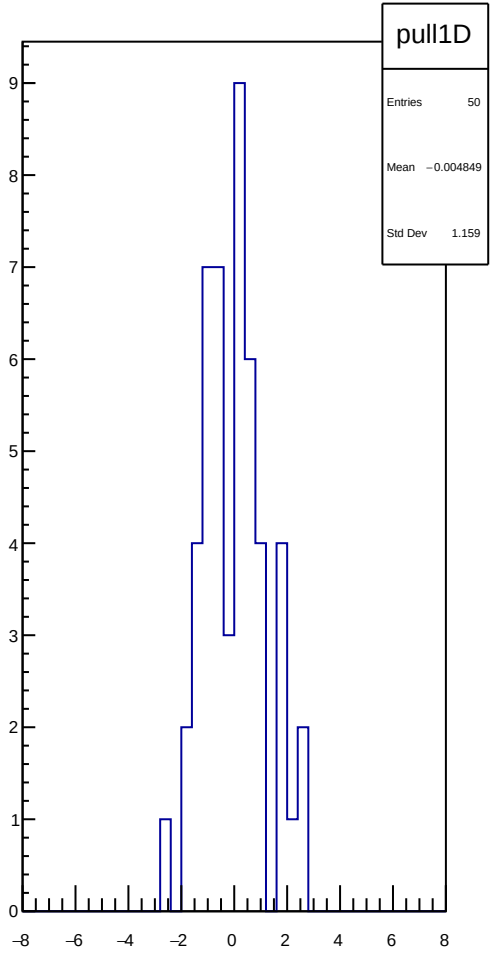
1
0
−1
−2


pull1D
Entries 50
Mean −0.004849
Std Dev 1.159
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5
4
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2
1
0
−8
−6
−4
−2
0
2
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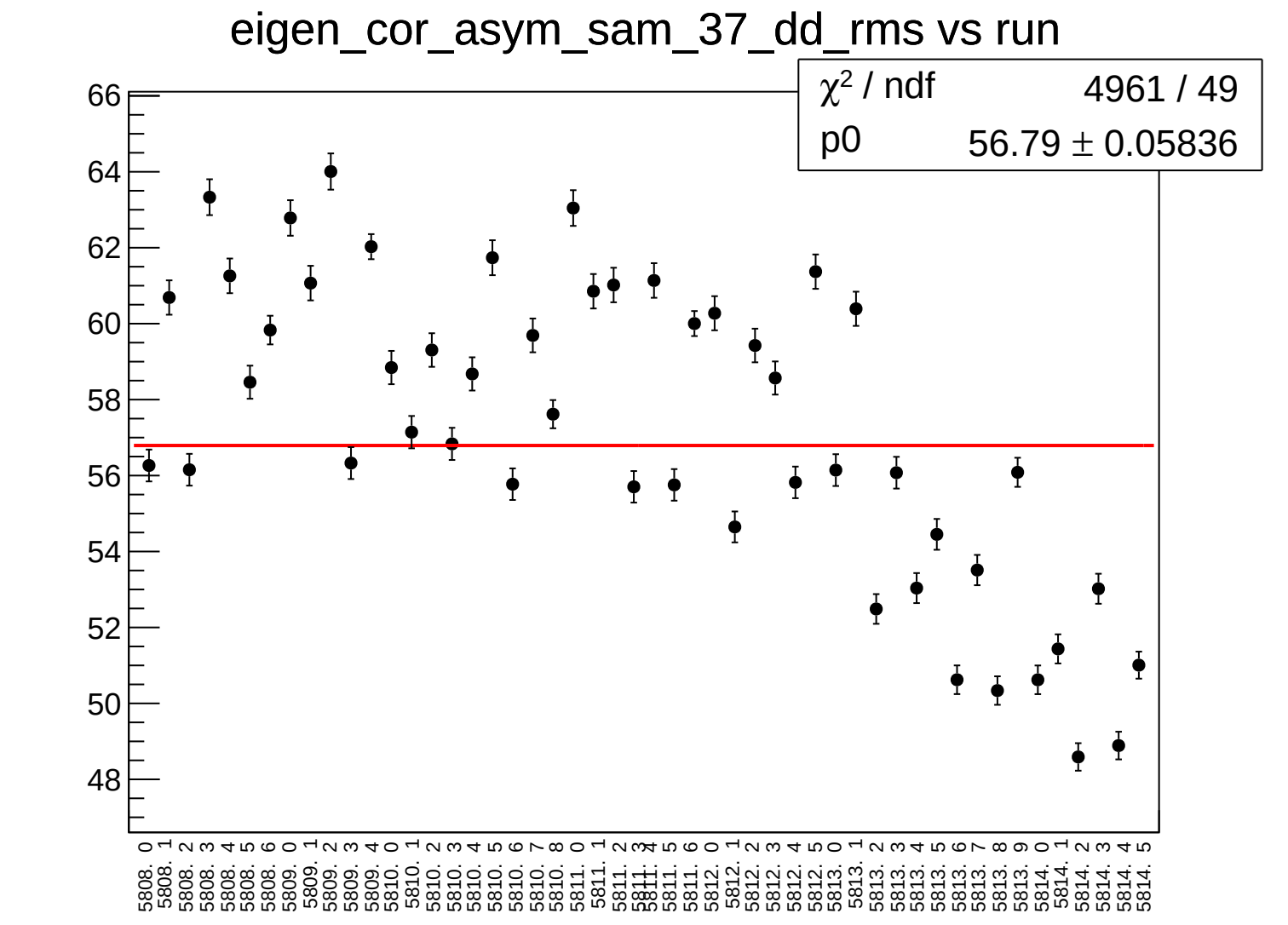
eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 4961 / 49
p0 56.79 ± 0.05836
66
64
62
60
58
56
54
52
50
48
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 1
5814. 2
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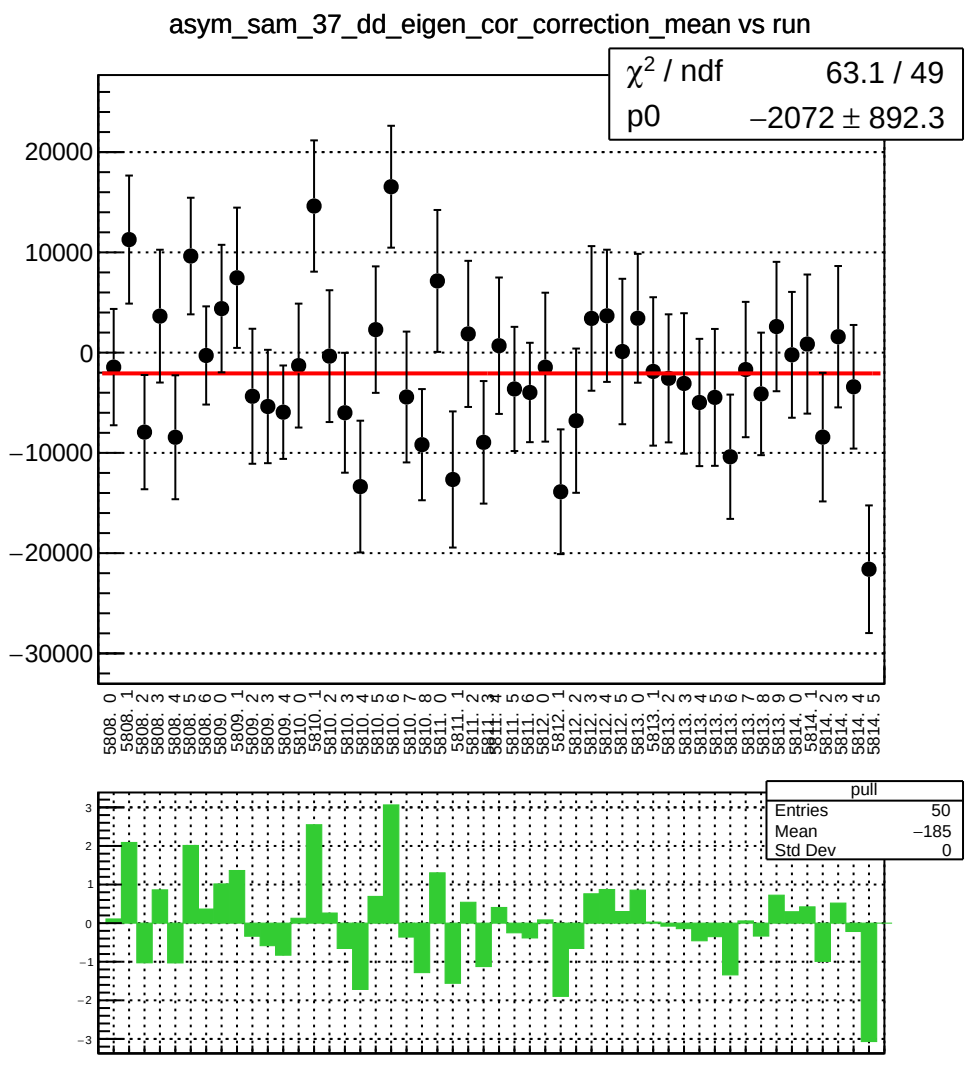
5814. 4
5814. 5


asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 63.1 / 49
p0 −2072 ± 892.3
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −185
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.02007
Std Dev 1.123
9
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5
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2
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6
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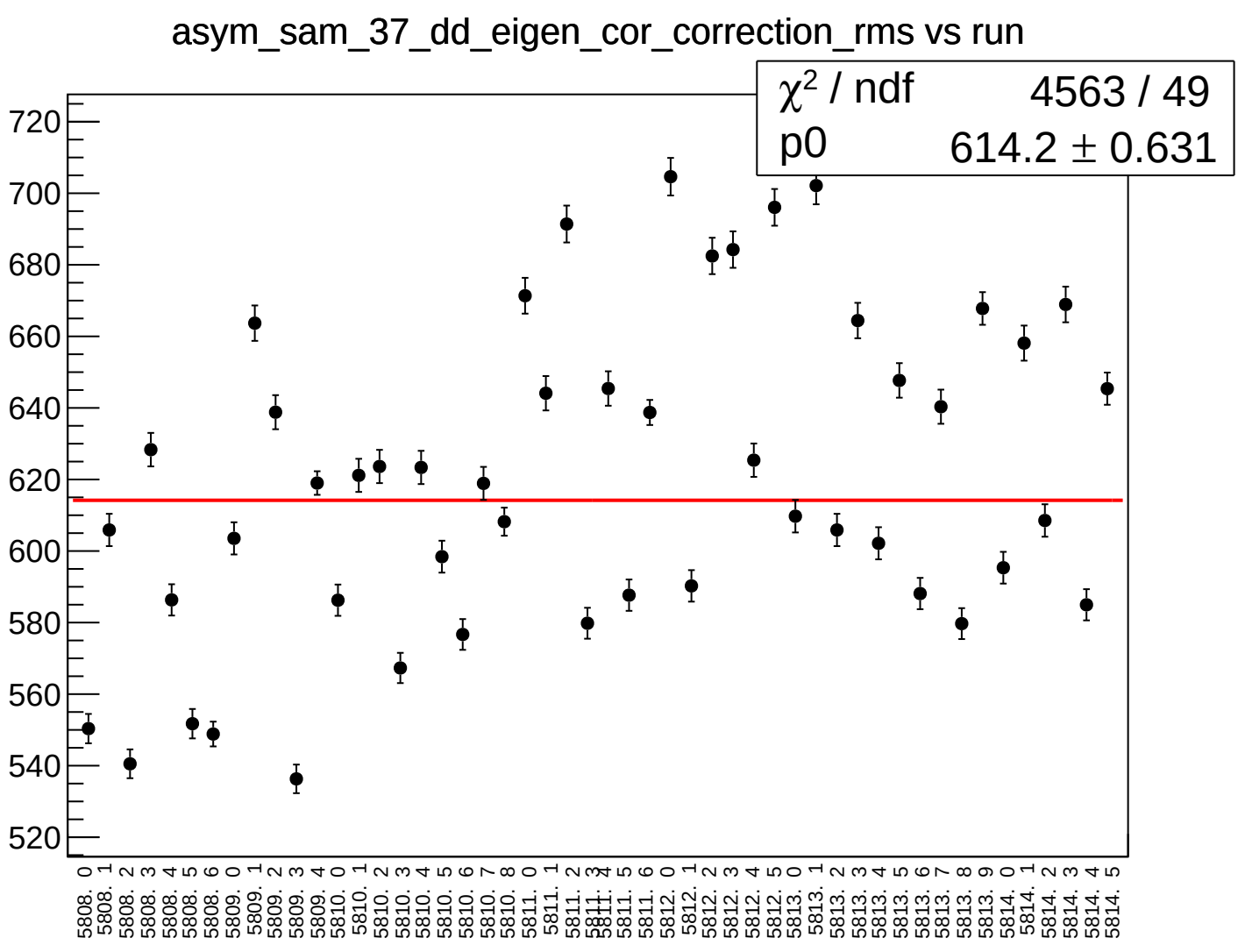
asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4563 / 49
p0 614.2 ± 0.631
720
700
680
660
640
620
600
580
560
540
520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 6
5812. 0
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5812. 2
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5812. 5
5813. 0
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5813. 2
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5813. 5
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5813. 8
5813. 9
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5814. 2
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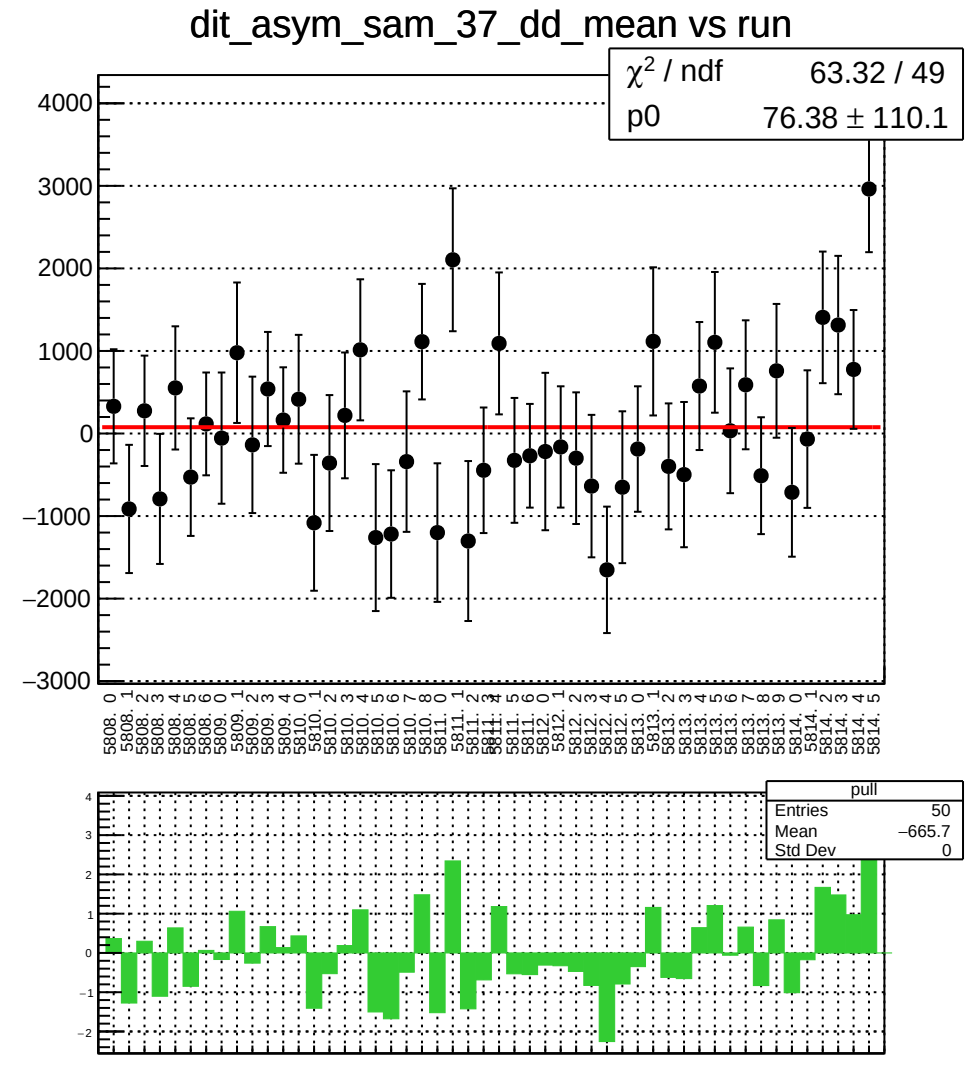
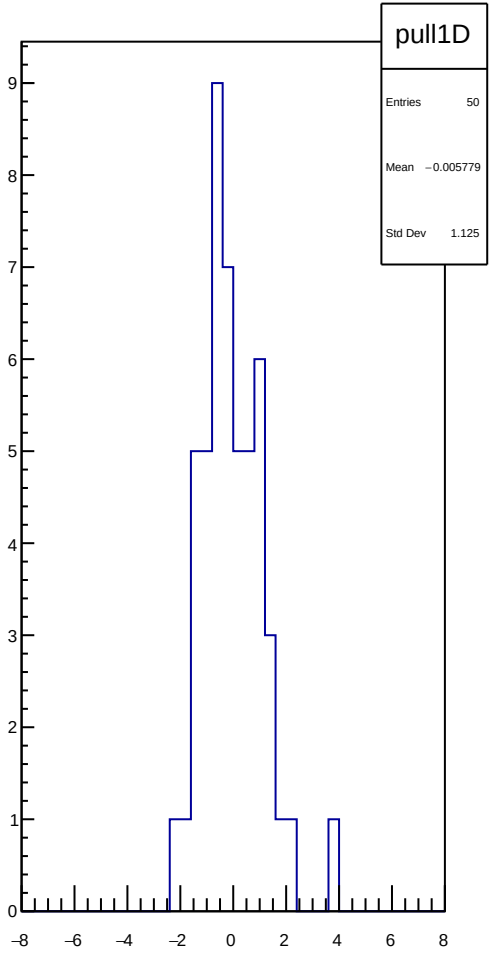
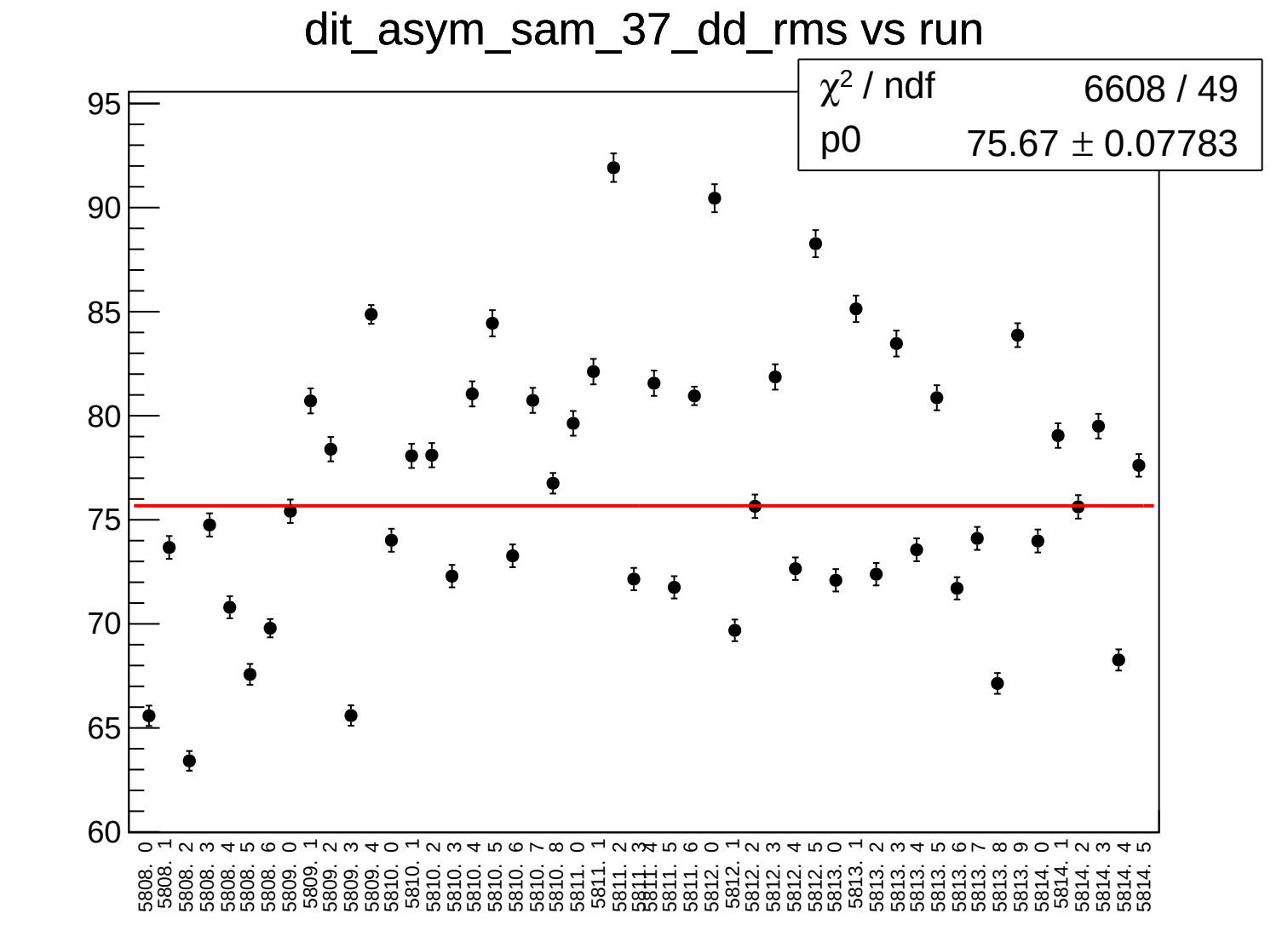
5814. 4
5814. 5


dit_asym_sam_37_dd_mean vs run
χ² / ndf 63.32 / 49
p0 76.38 ± 110.1
pull
Entries 50
Mean −665.7
Std Dev 0


pull1D
Entries 50
Mean −0.005779
Std Dev 1.125


dit_asym_sam_37_dd_rms vs run
χ² / ndf 6608 / 49
p0 75.67 ± 0.07783
95
90
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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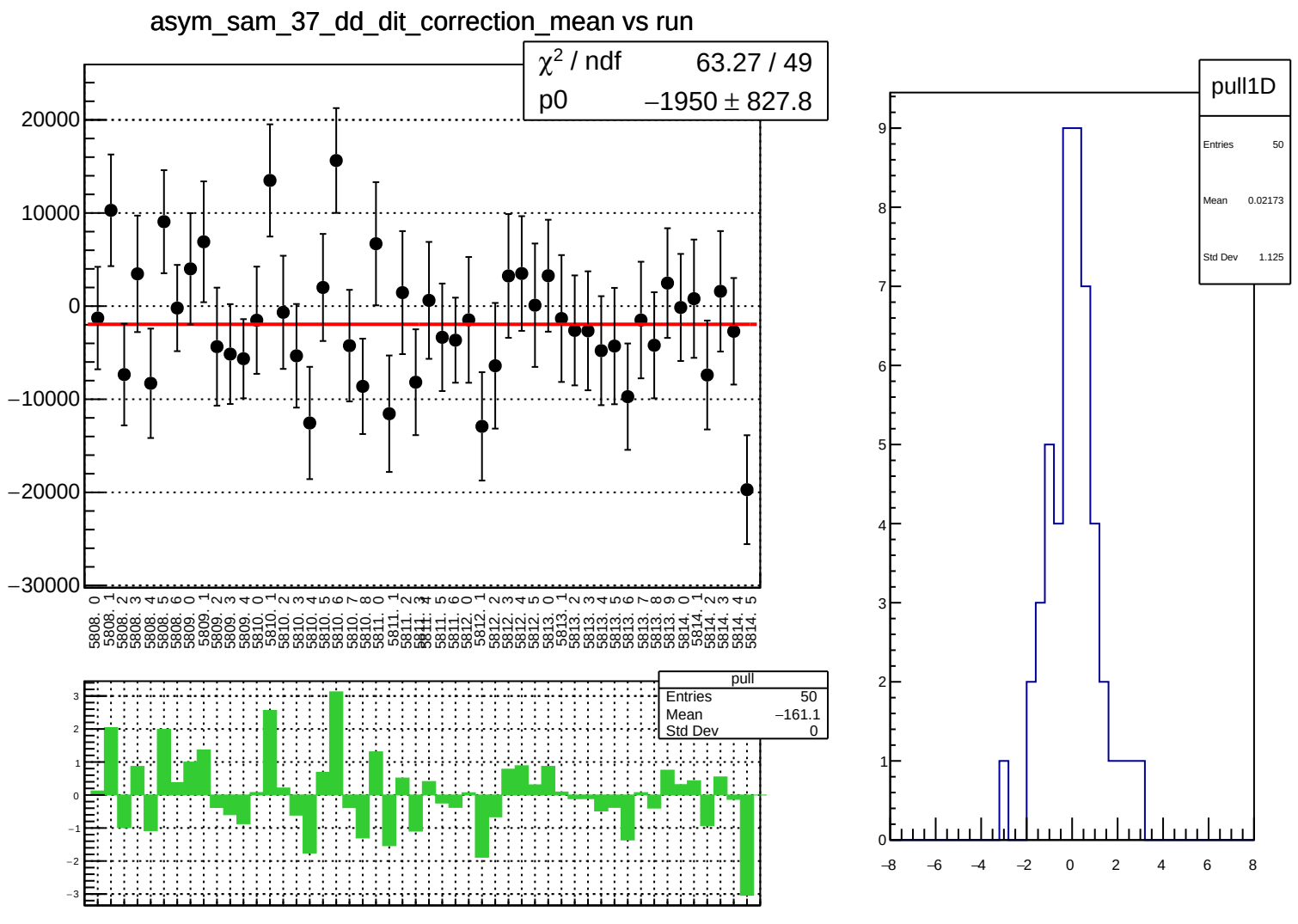
5814. 5


asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 63.27 / 49
p0 −1950 ± 827.8
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5811. 0
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −161.1
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.02173
Std Dev 1.125
9
8
7
6
5
4
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2
1
0
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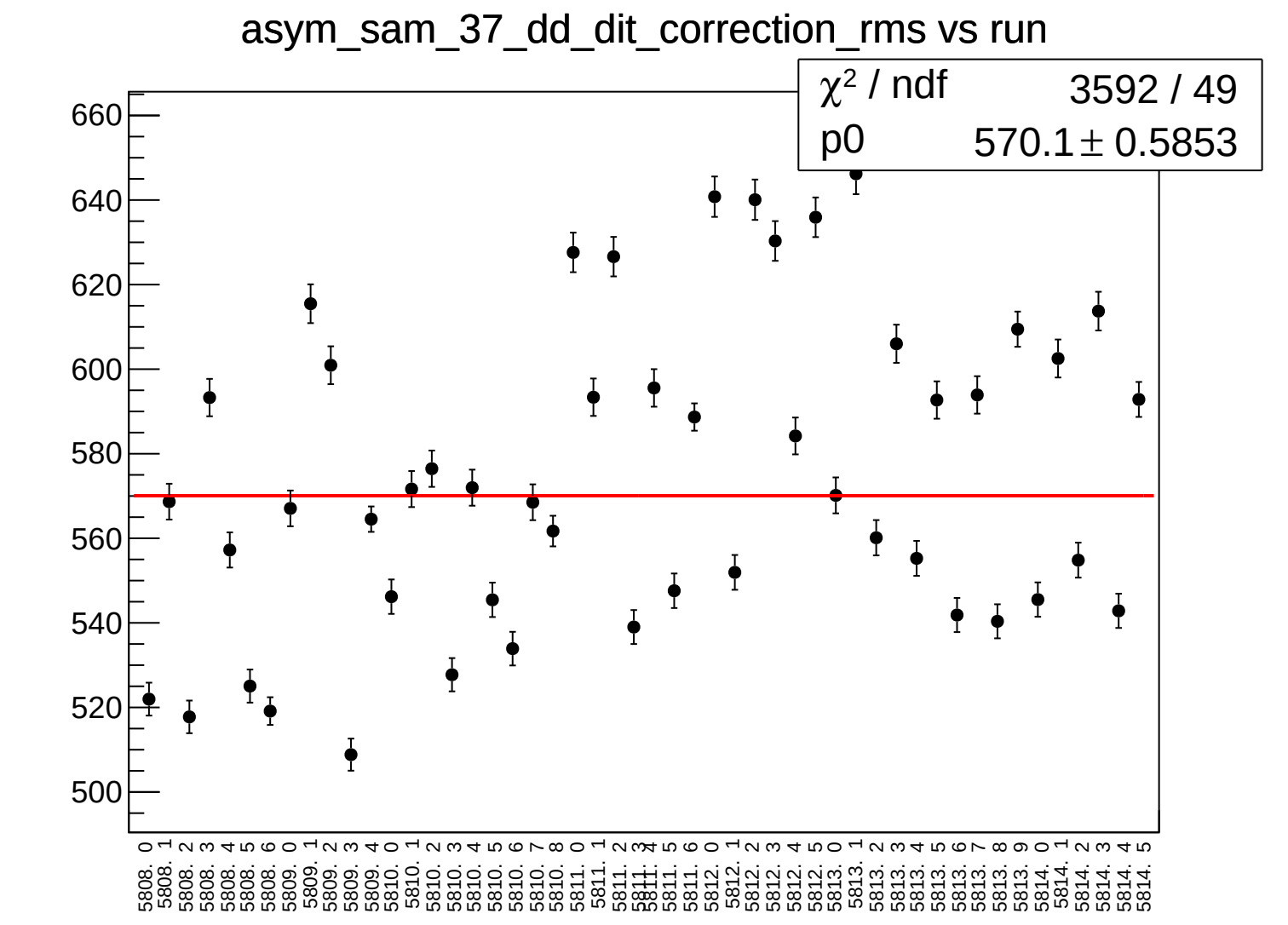
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 3592 / 49
p0 570.1 ± 0.5853
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
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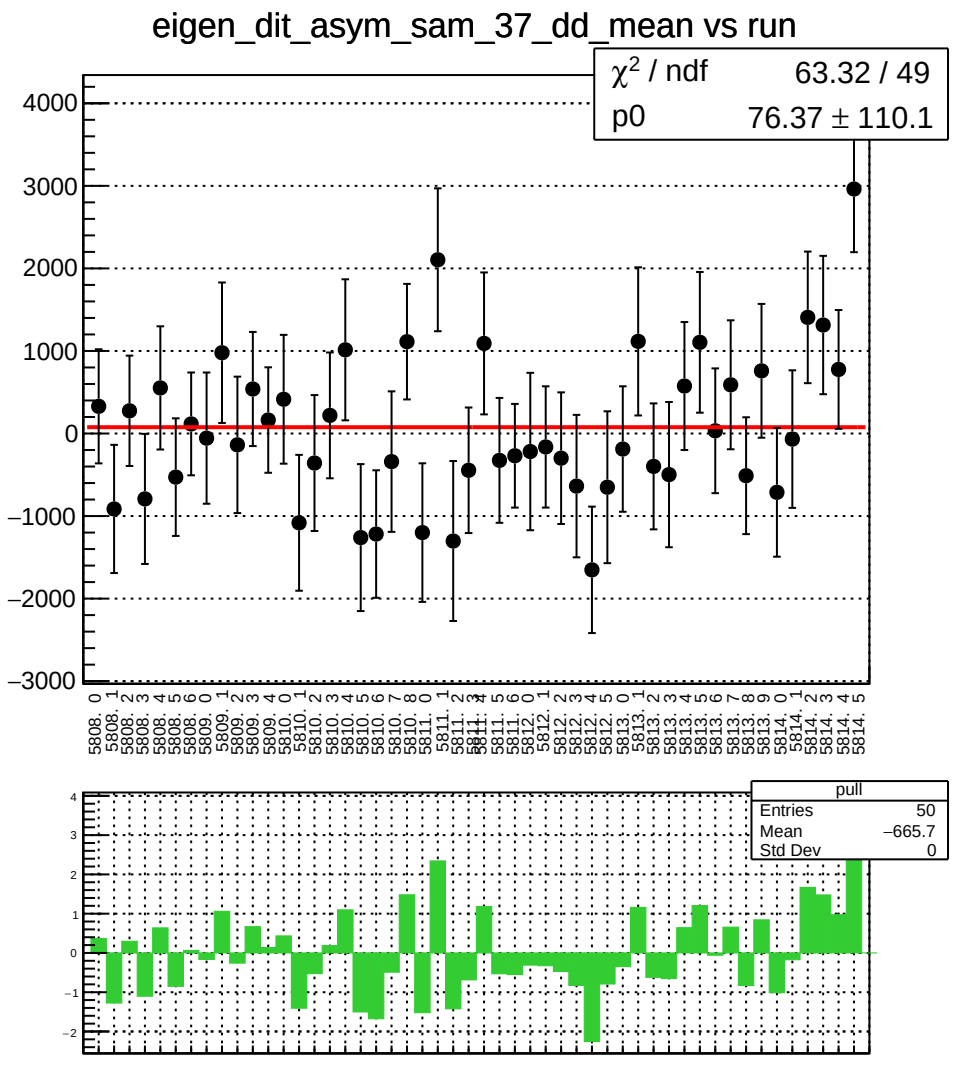
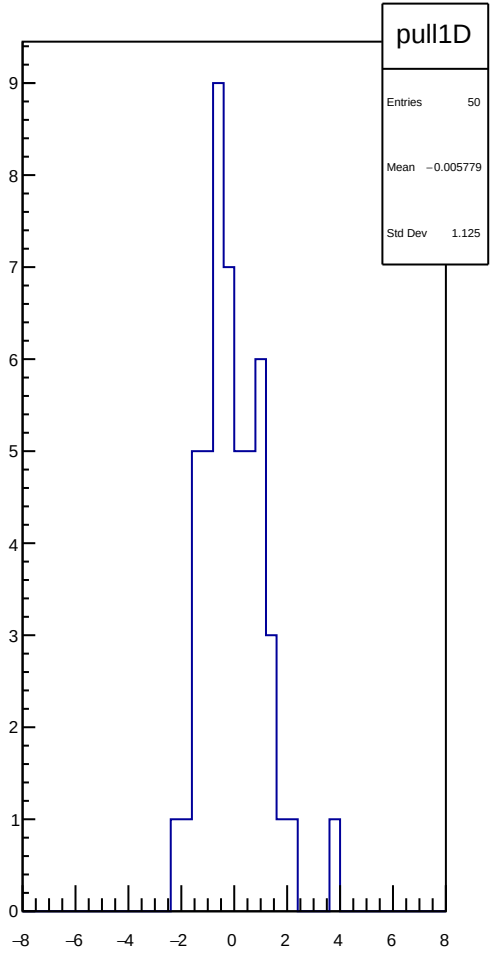
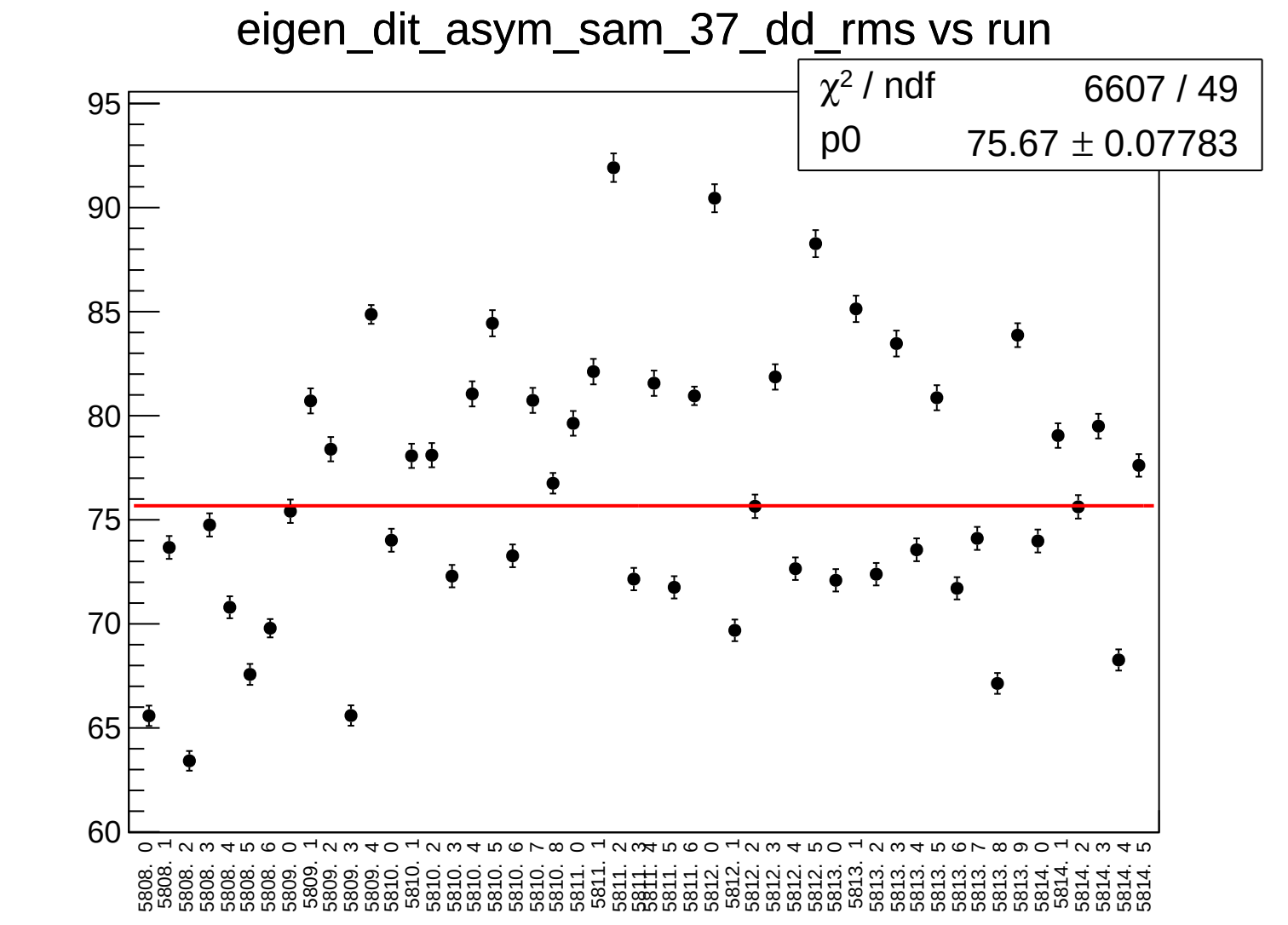

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 63.32 / 49
p0 76.37 ± 110.1
pull
Entries 50
Mean −665.7
Std Dev 0


pull1D
Entries 50
Mean −0.005779
Std Dev 1.125


eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 6607 / 49
p0 75.67 ± 0.07783
95
90
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
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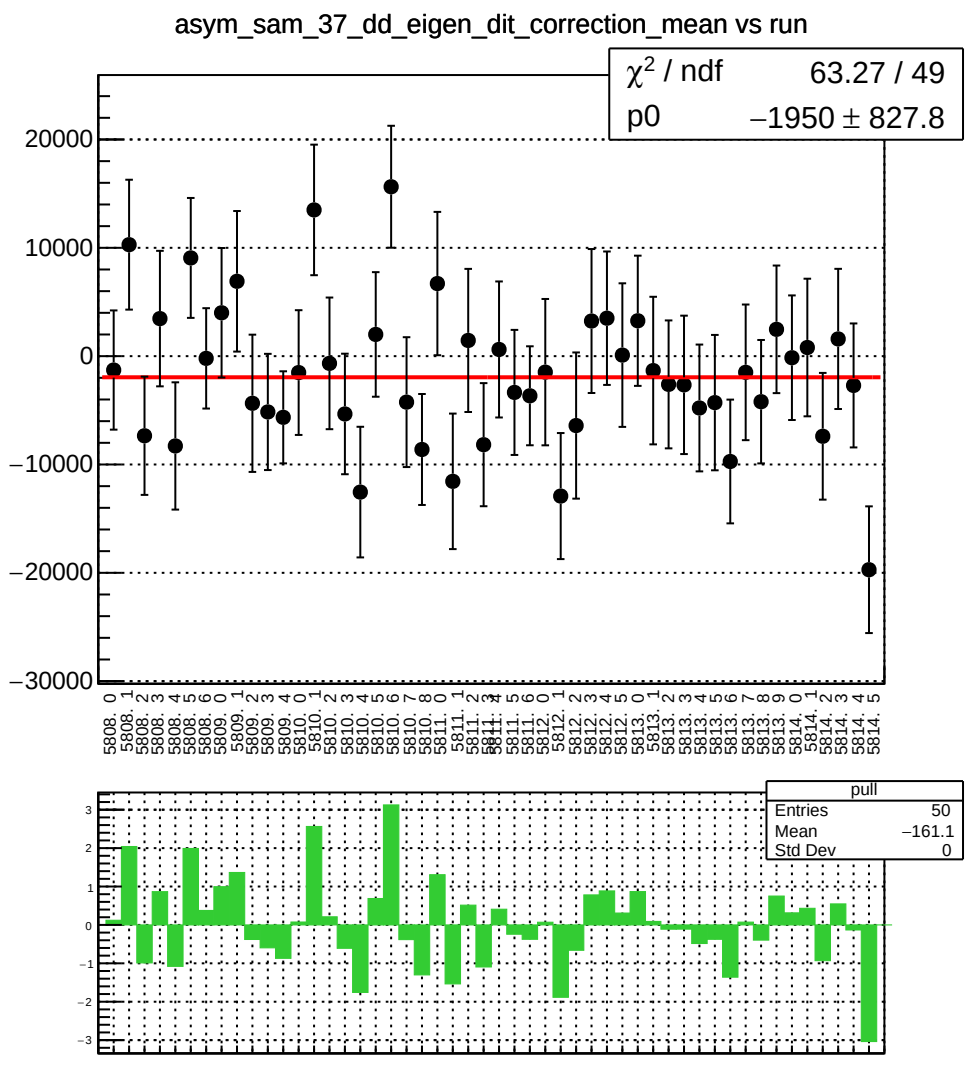
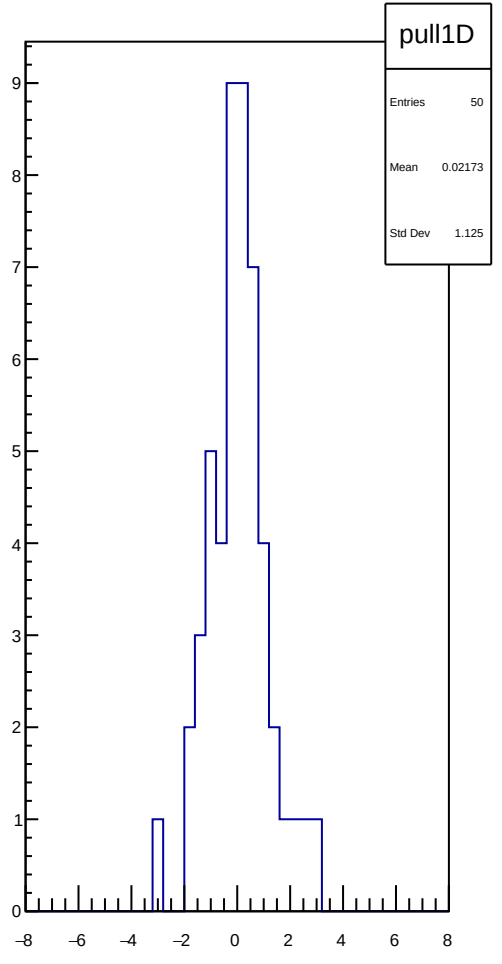
5814. 5


asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 63.27 / 49
p0 −1950 ± 827.8
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −161.1
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.02173
Std Dev 1.125
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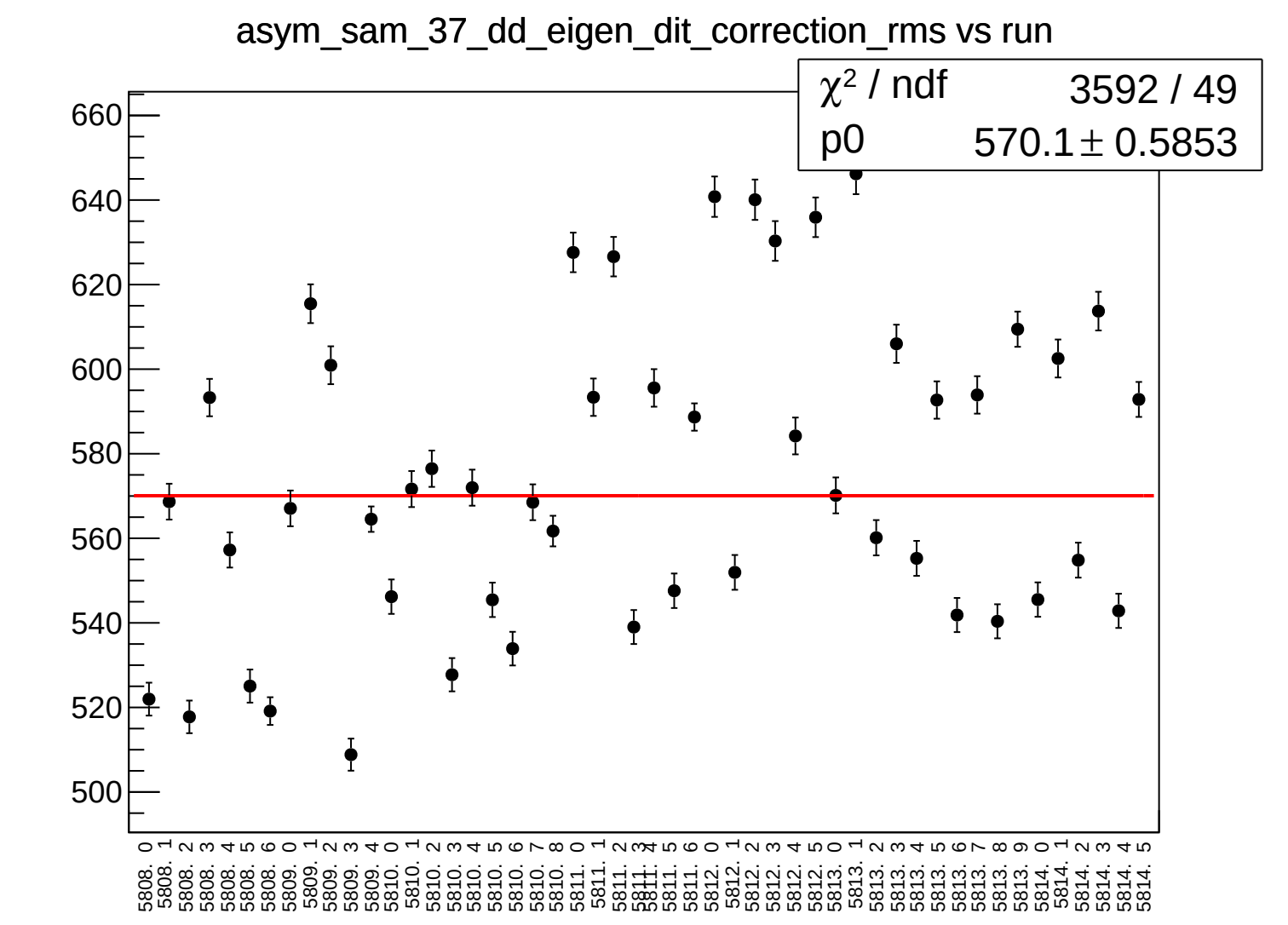
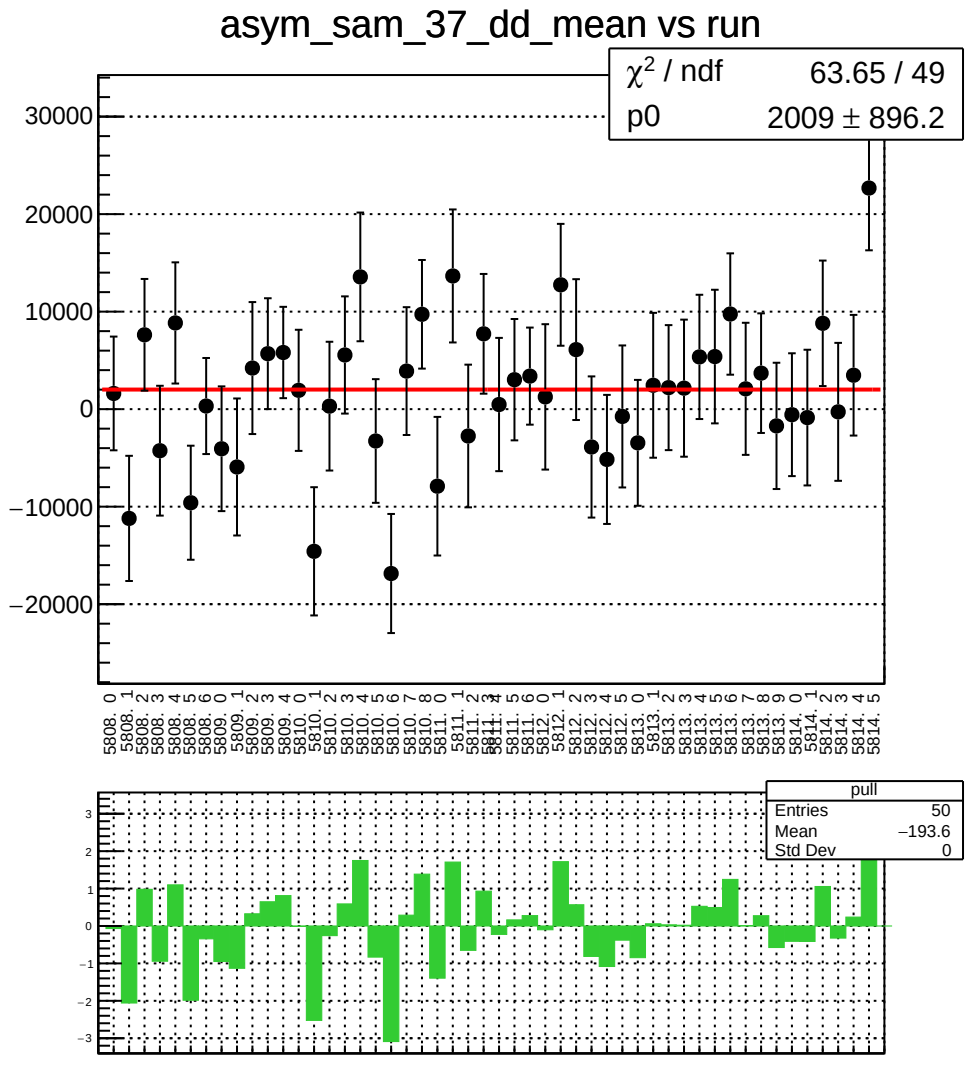
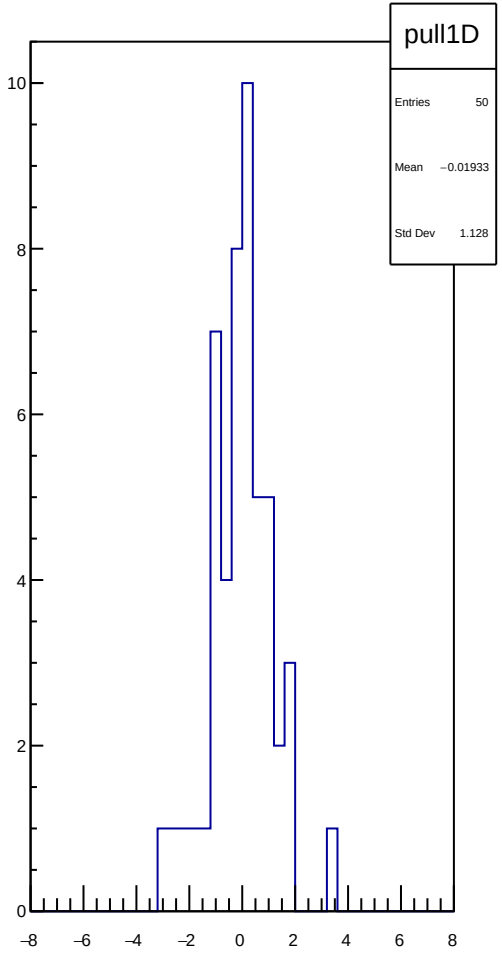
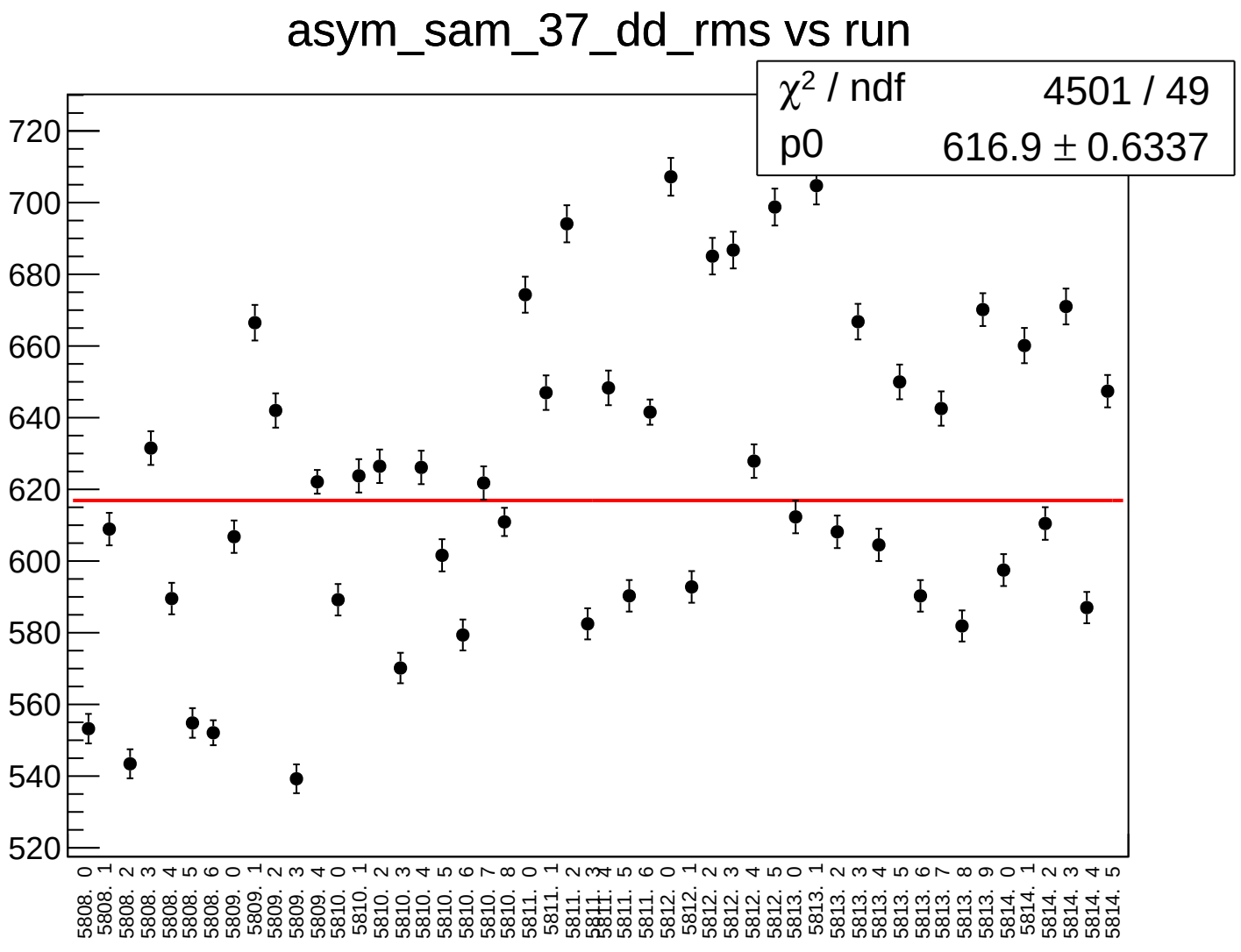
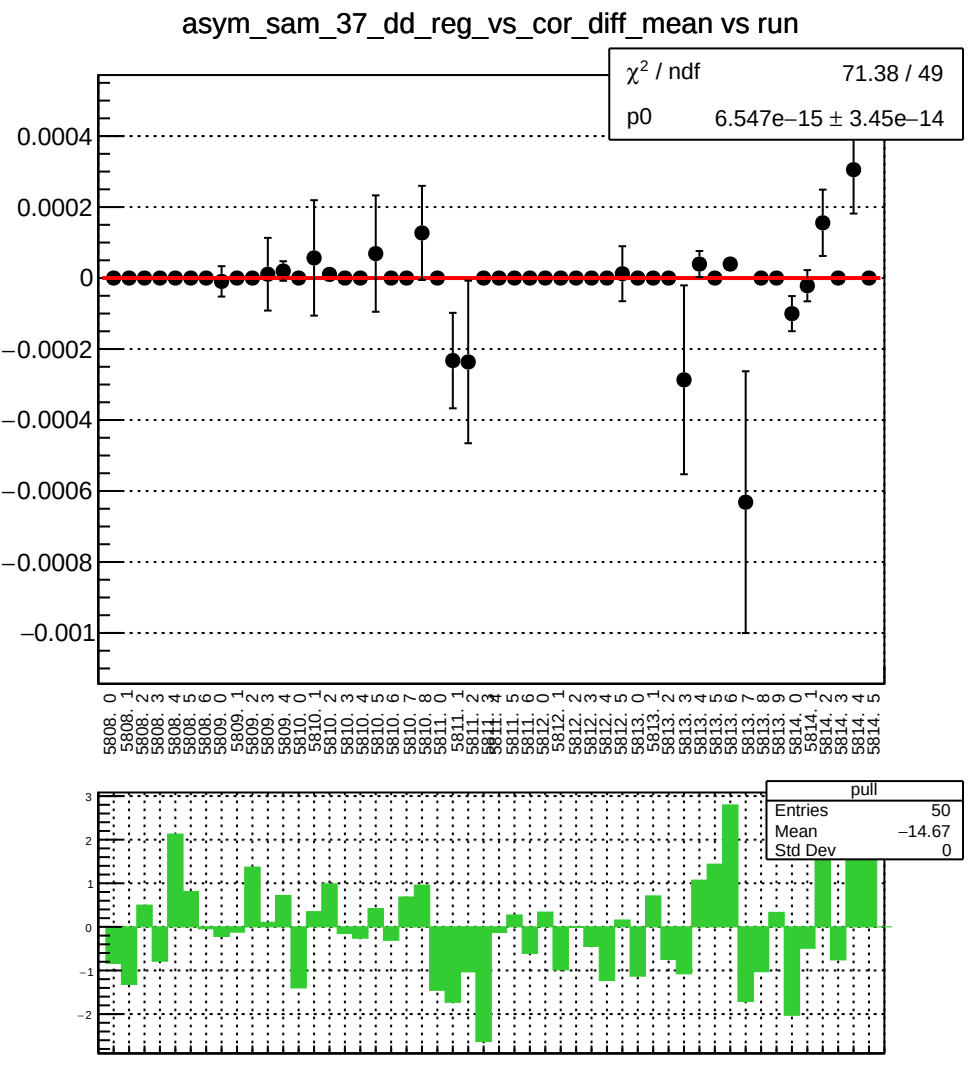
2
1
0
−8
−6
−4
−2
0
2
4
6
8

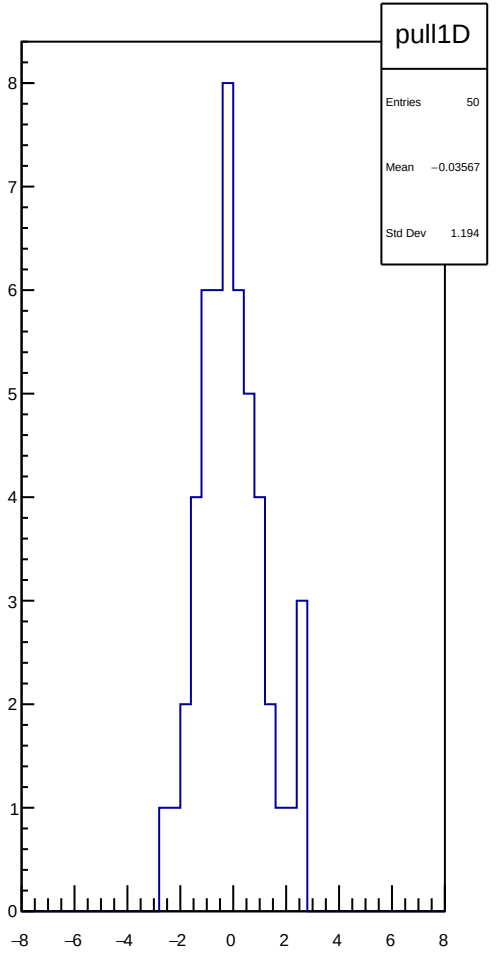

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3592 / 49
p0 570.1 ± 0.5853
660
640
620
600
580
560
540
520
500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

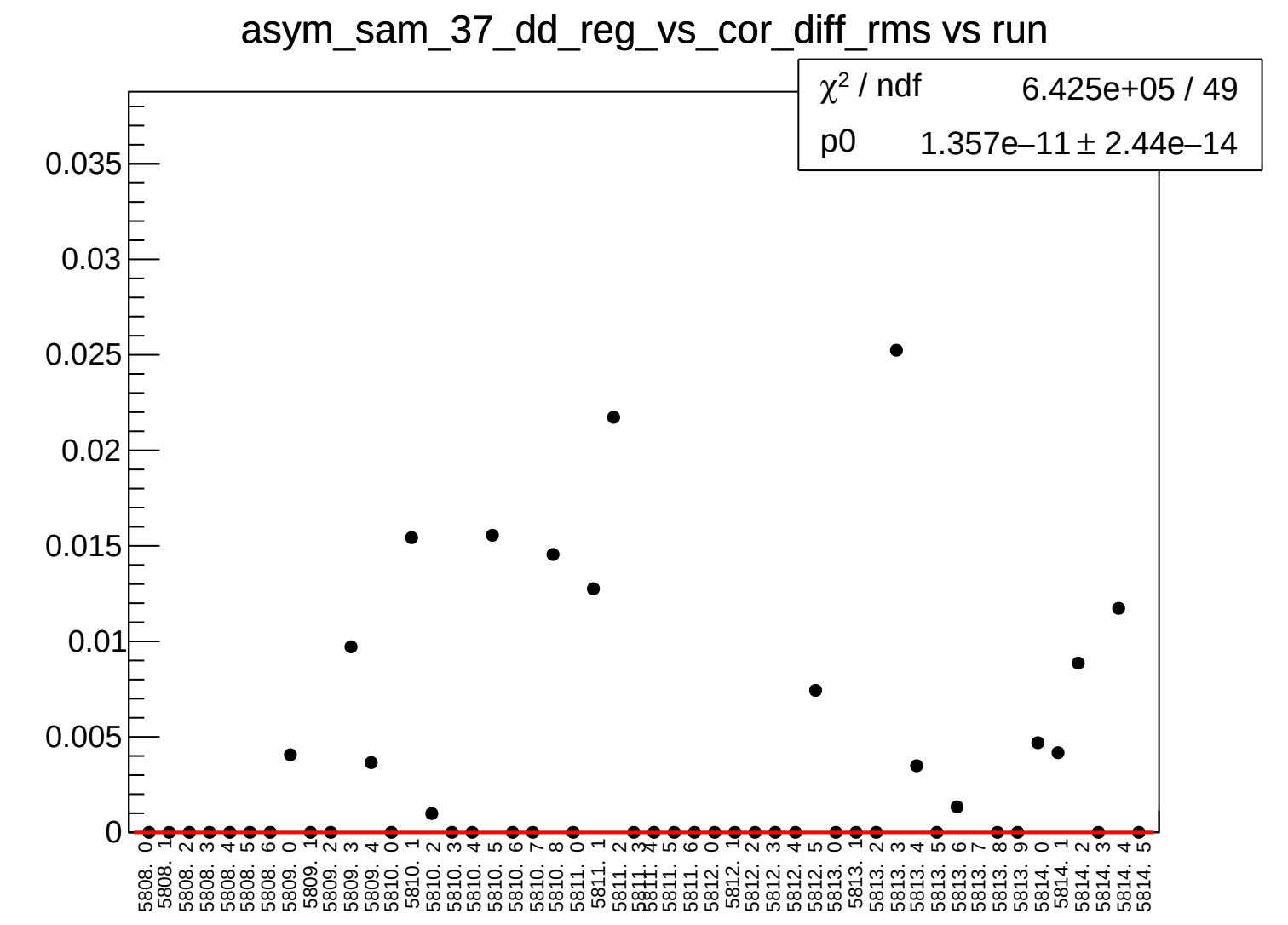

asym_sam_37_dd_mean vs run
χ² / ndf 63.65 / 49
p0 2009 ± 896.2
30000
20000
10000
0
−10000
−20000
pull
Entries 50
Mean −193.6
Std Dev 0
3
2
1
0
−1
−2
−3

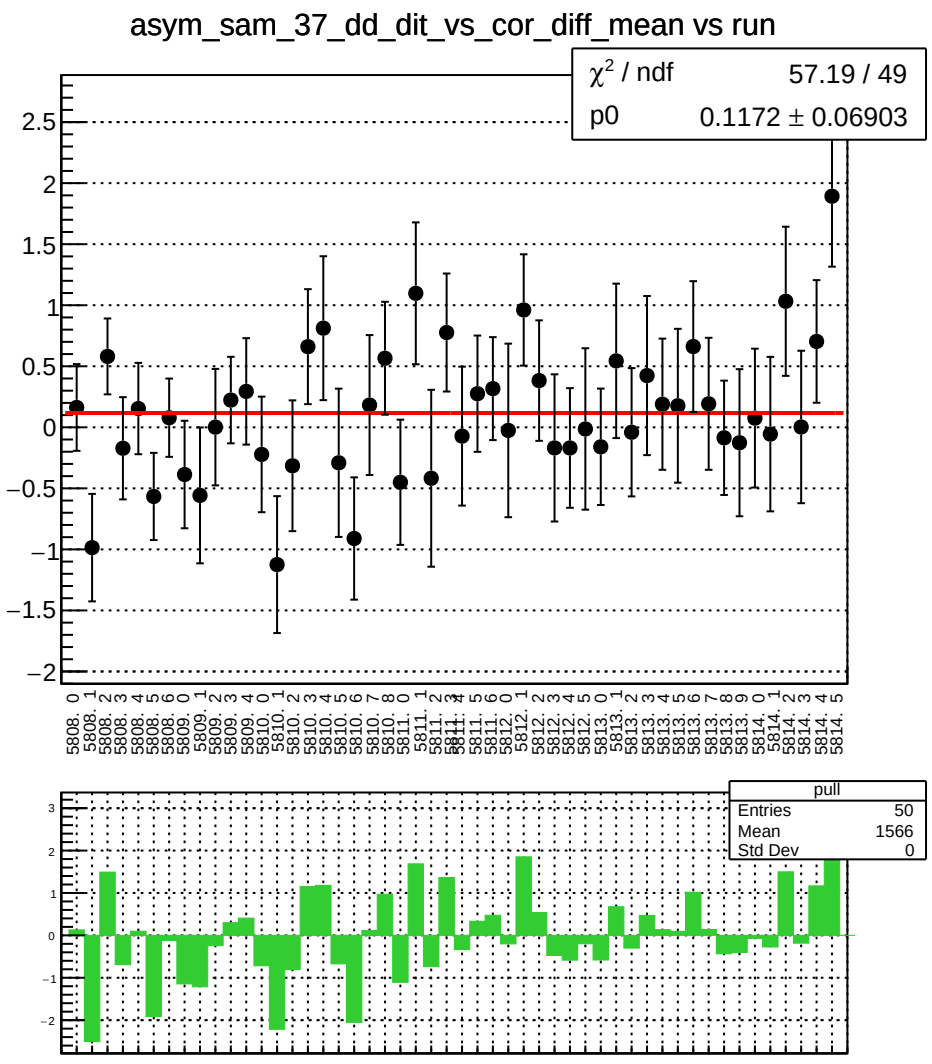

pull1D
Entries 50
Mean −0.01933
Std Dev 1.128
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

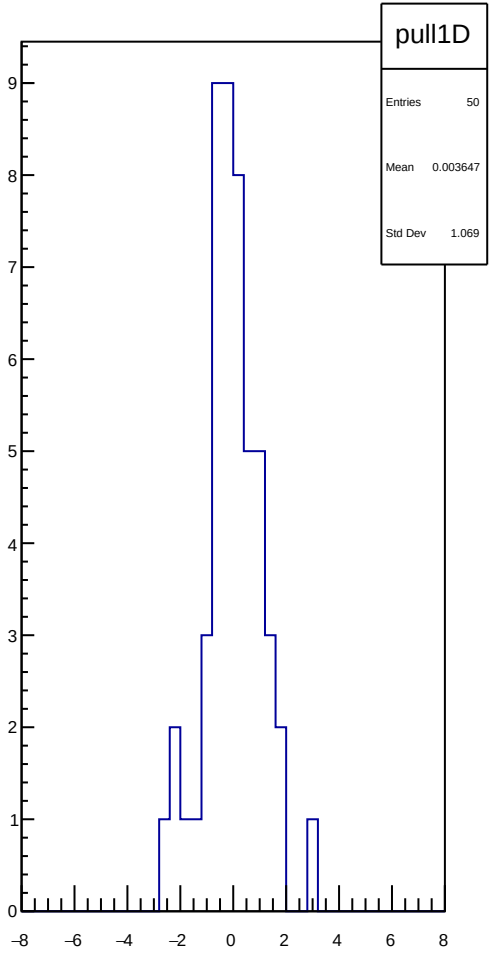

asym_sam_37_dd_rms vs run
χ² / ndf 4501 / 49
p0 616.9 ± 0.6337
720
700
680
660
640
620
600
580
560
540
520
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

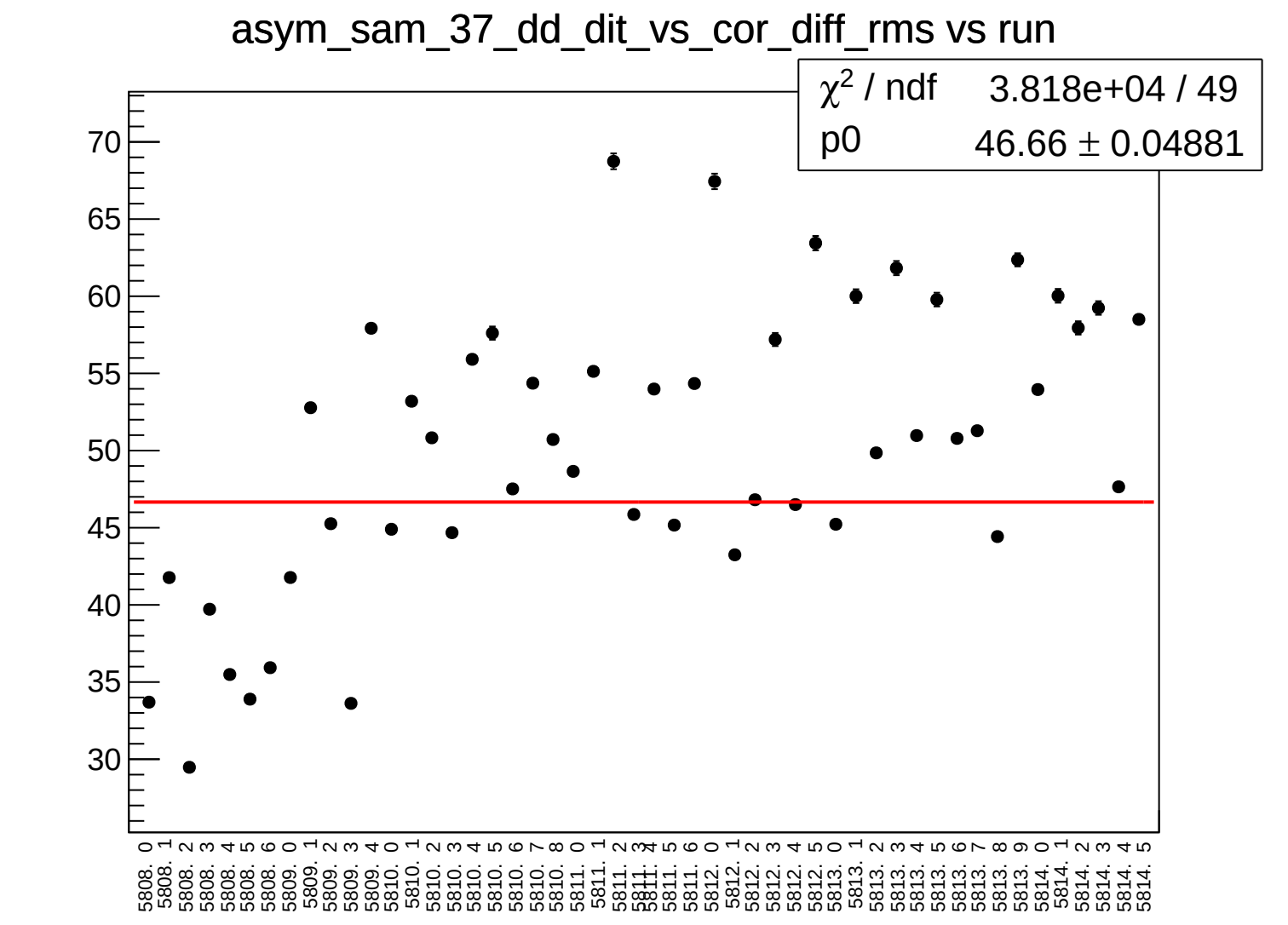

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 71.38 / 49
p0 6.547e−15 ± 3.45e−14
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
pull
Entries 50
Mean −14.67
Std Dev 0

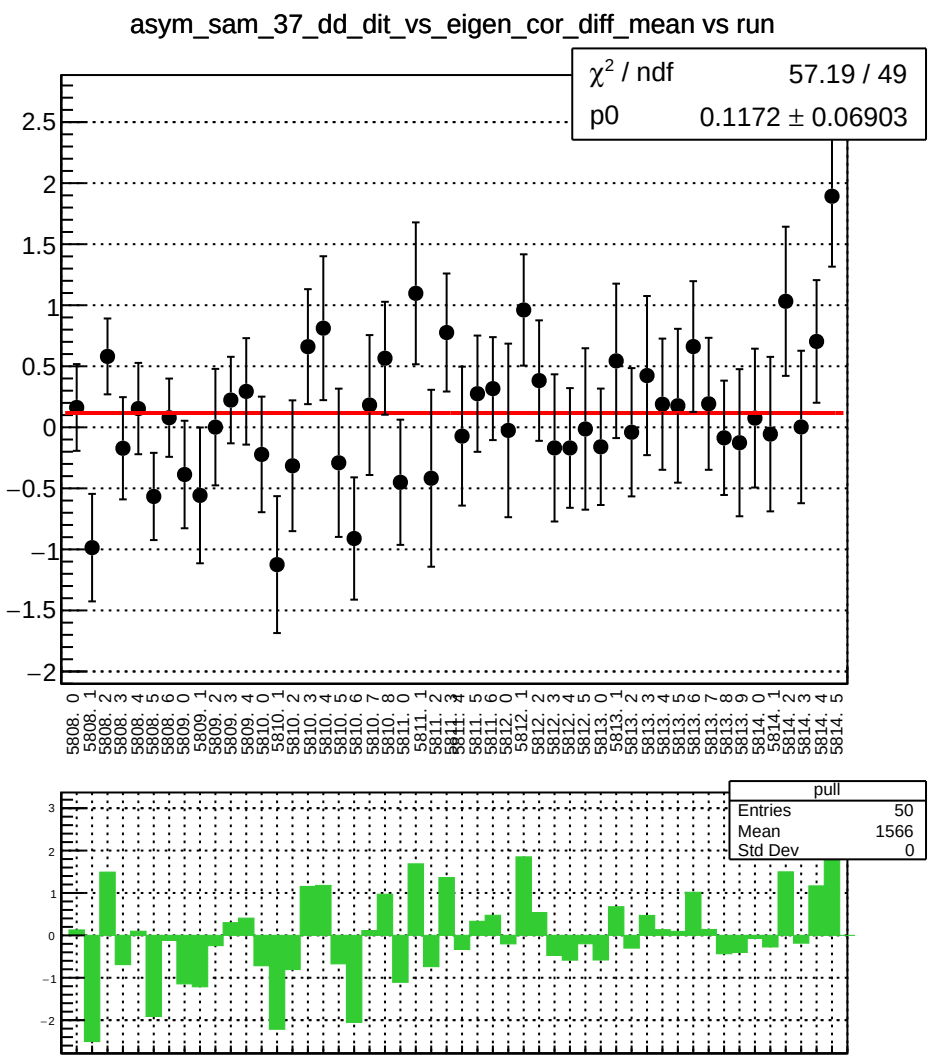

pull1D
Entries 50
Mean −0.03567
Std Dev 1.194

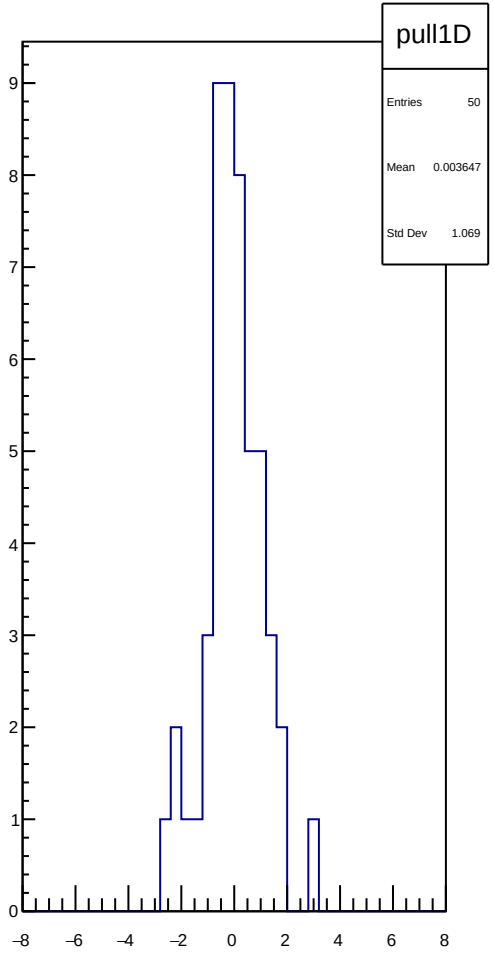

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.425e+05 / 49
p0 1.357e−11 ± 2.44e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

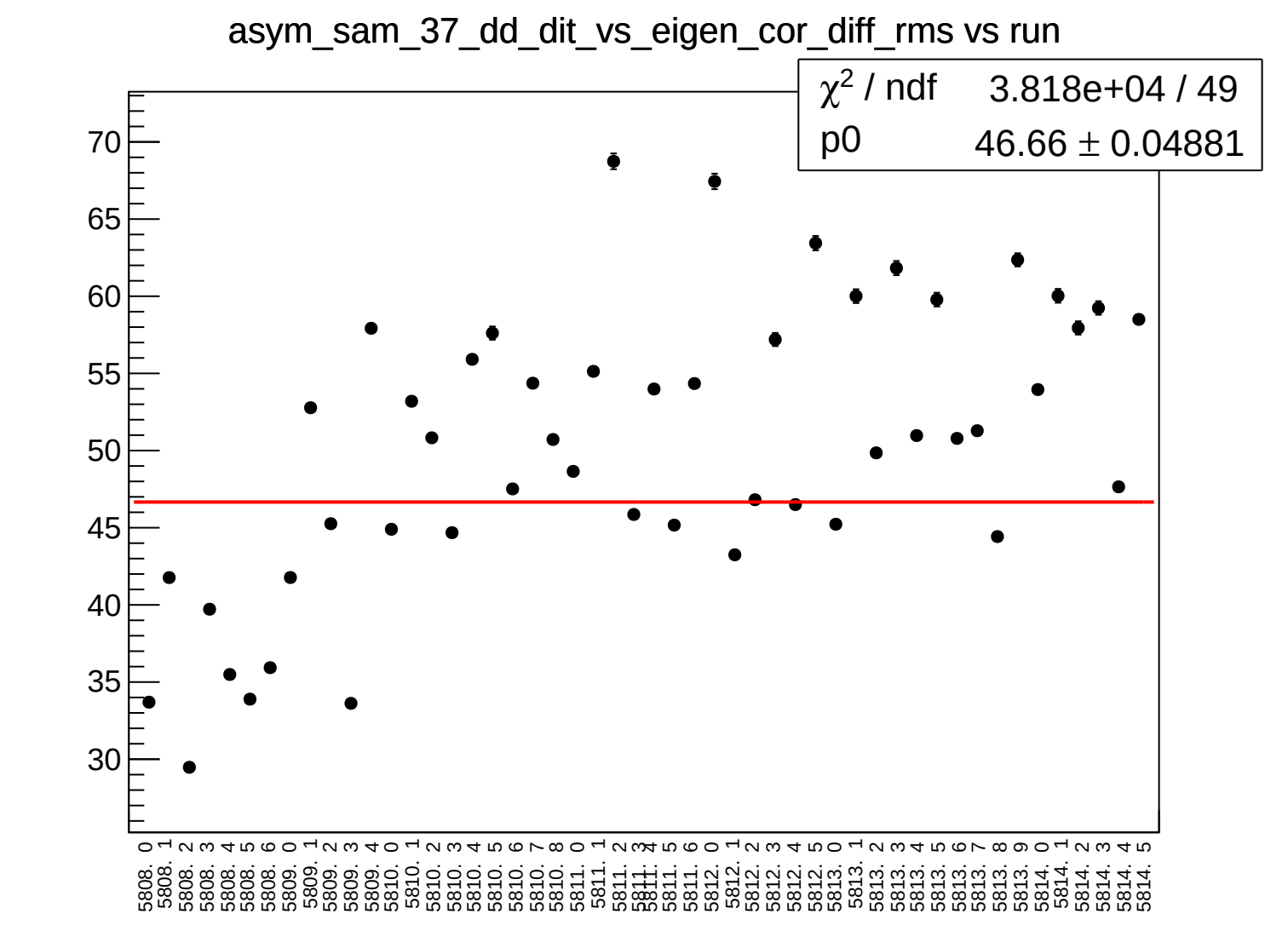

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.19 / 49
p0 0.1172 ± 0.06903
pull
Entries 50
Mean 1566
Std Dev 0

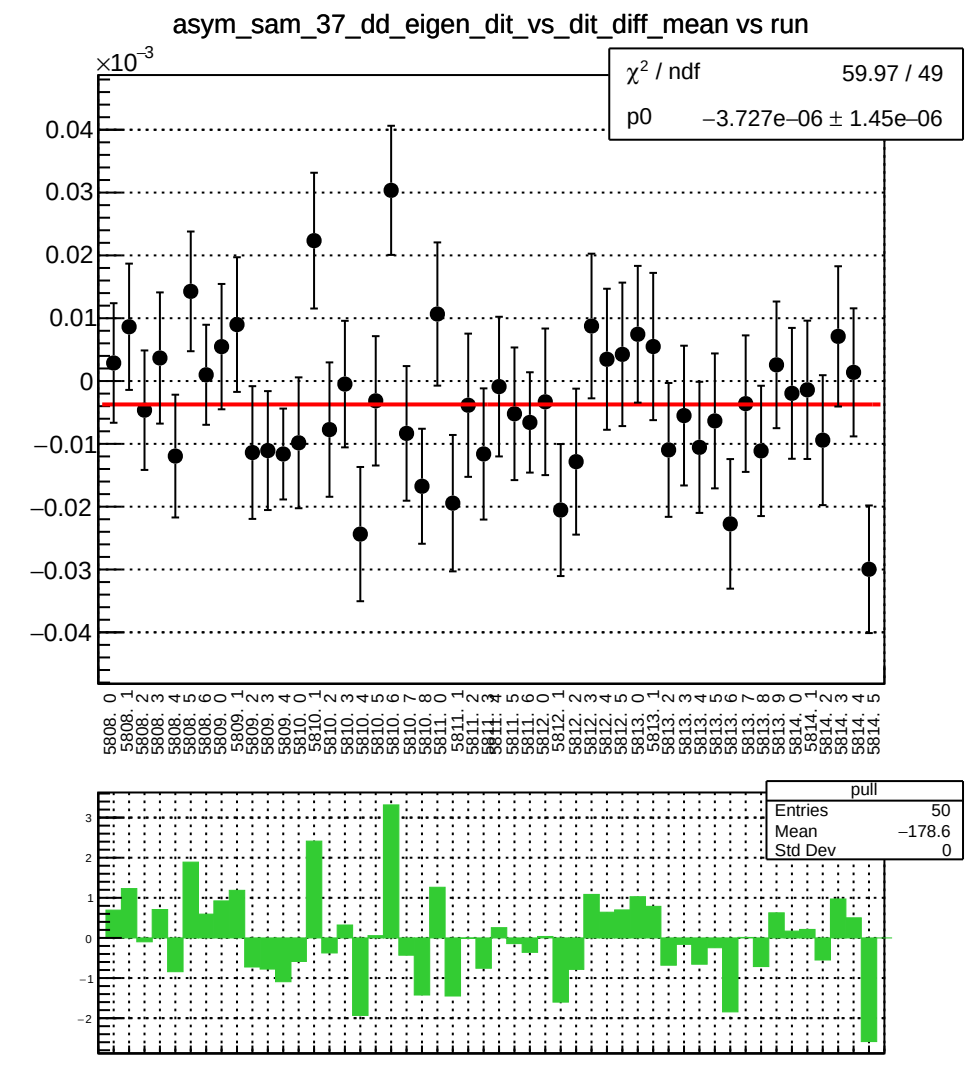

pull1D
Entries 50
Mean 0.003647
Std Dev 1.069

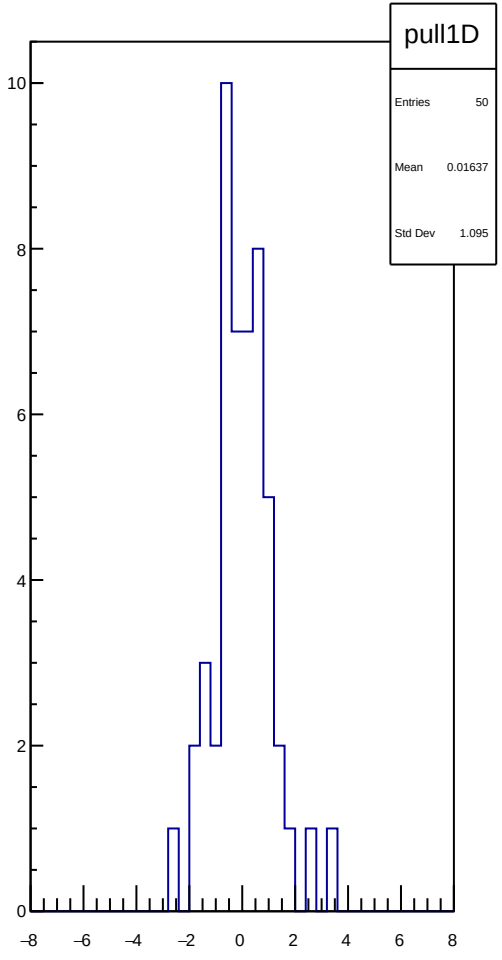

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.818e+04 / 49
p0 46.66 ± 0.04881
70
65
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

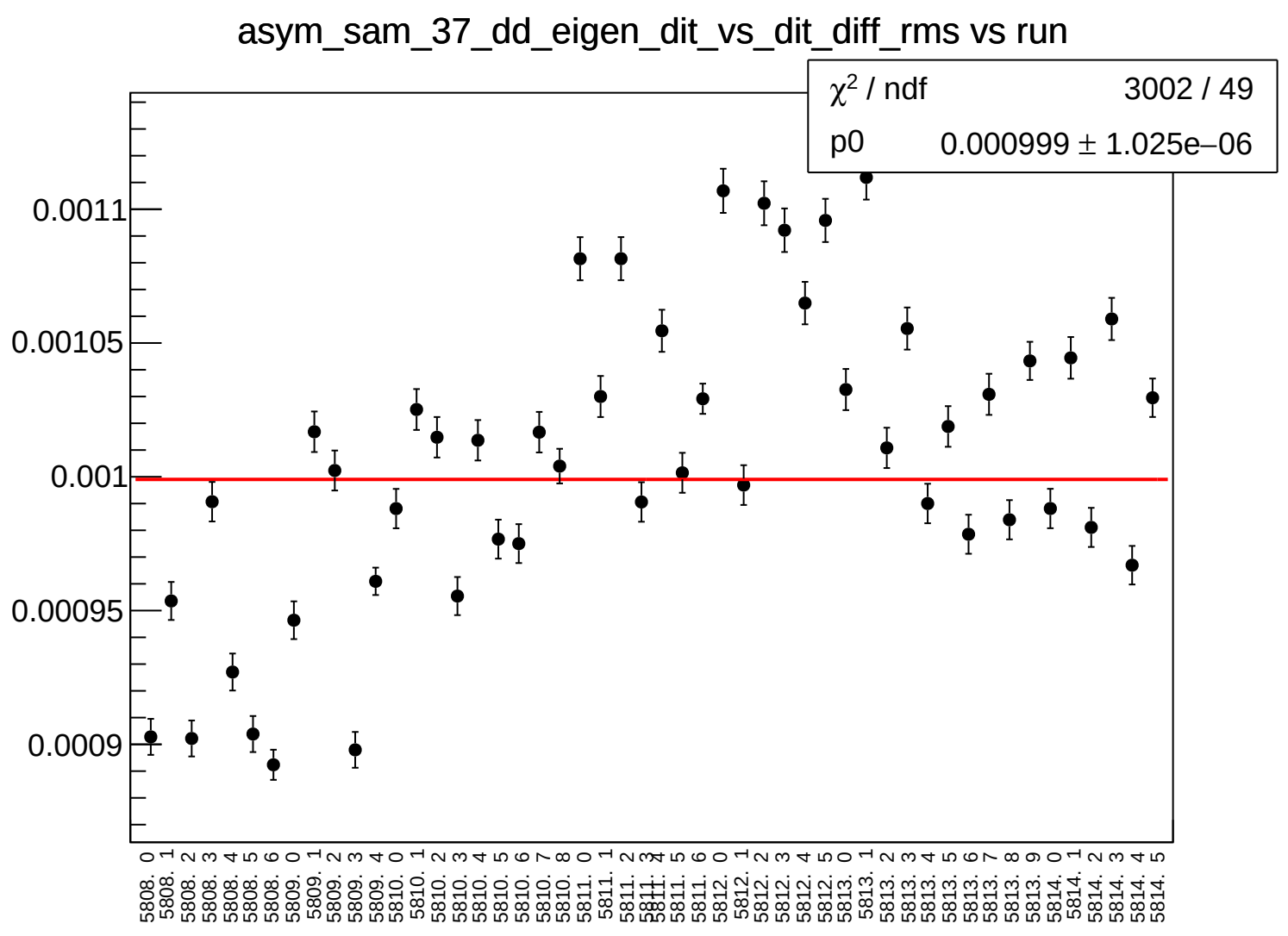

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.19 / 49
p0 0.1172 ± 0.06903
pull
Entries 50
Mean 1566
Std Dev 0

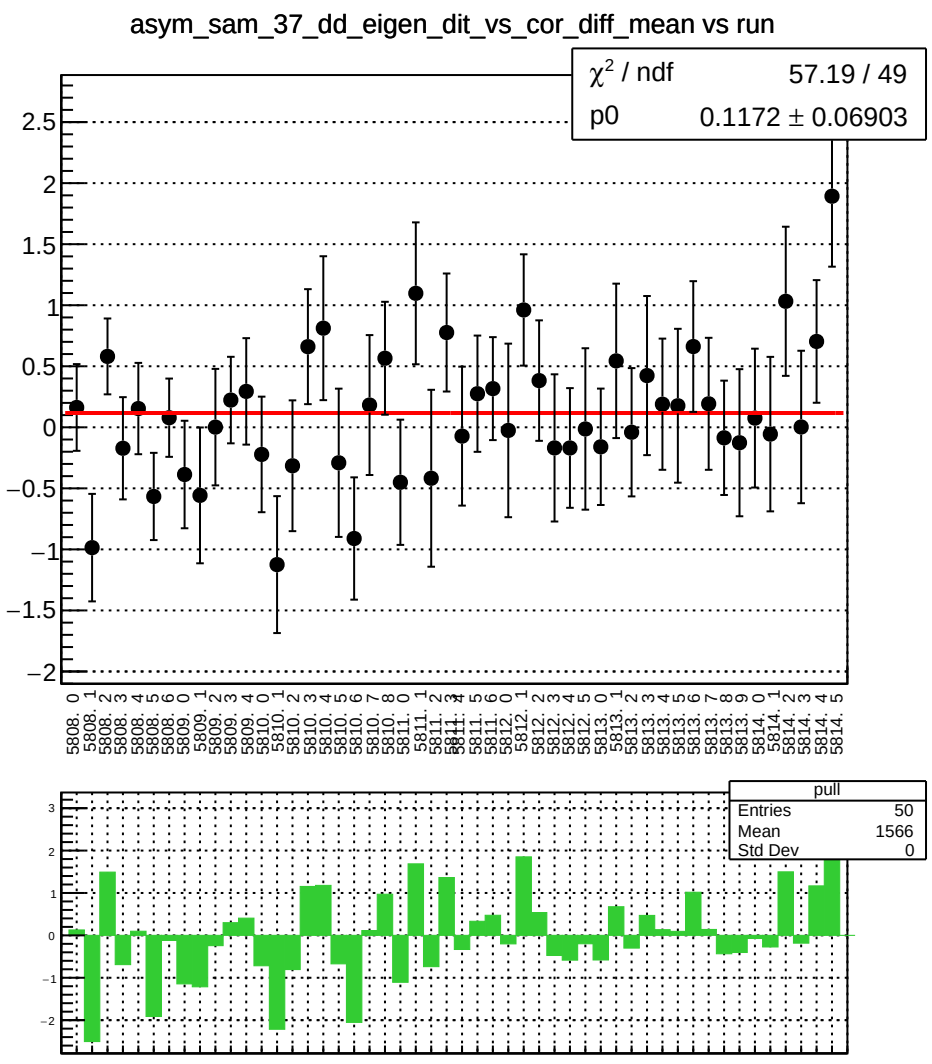

pull1D
Entries 50
Mean 0.003647
Std Dev 1.069

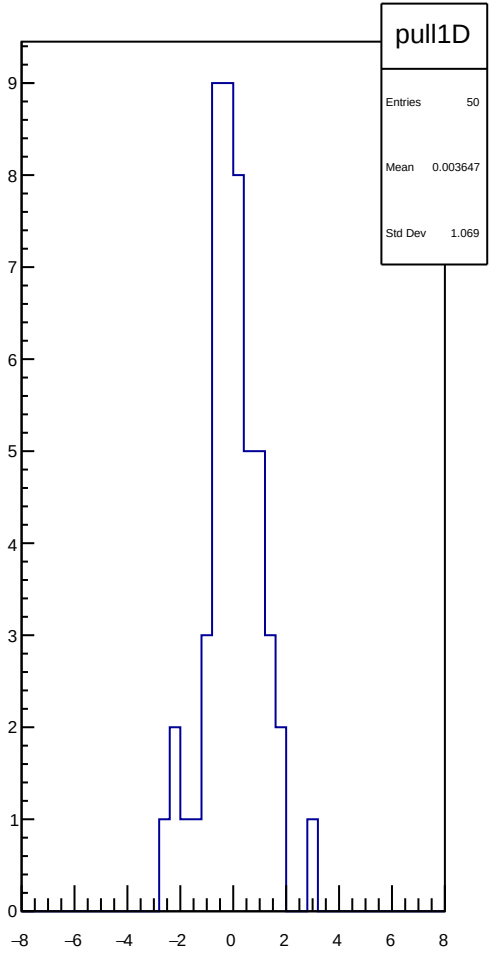

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 3.818e+04 / 49
p0 46.66 ± 0.04881
70
65
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

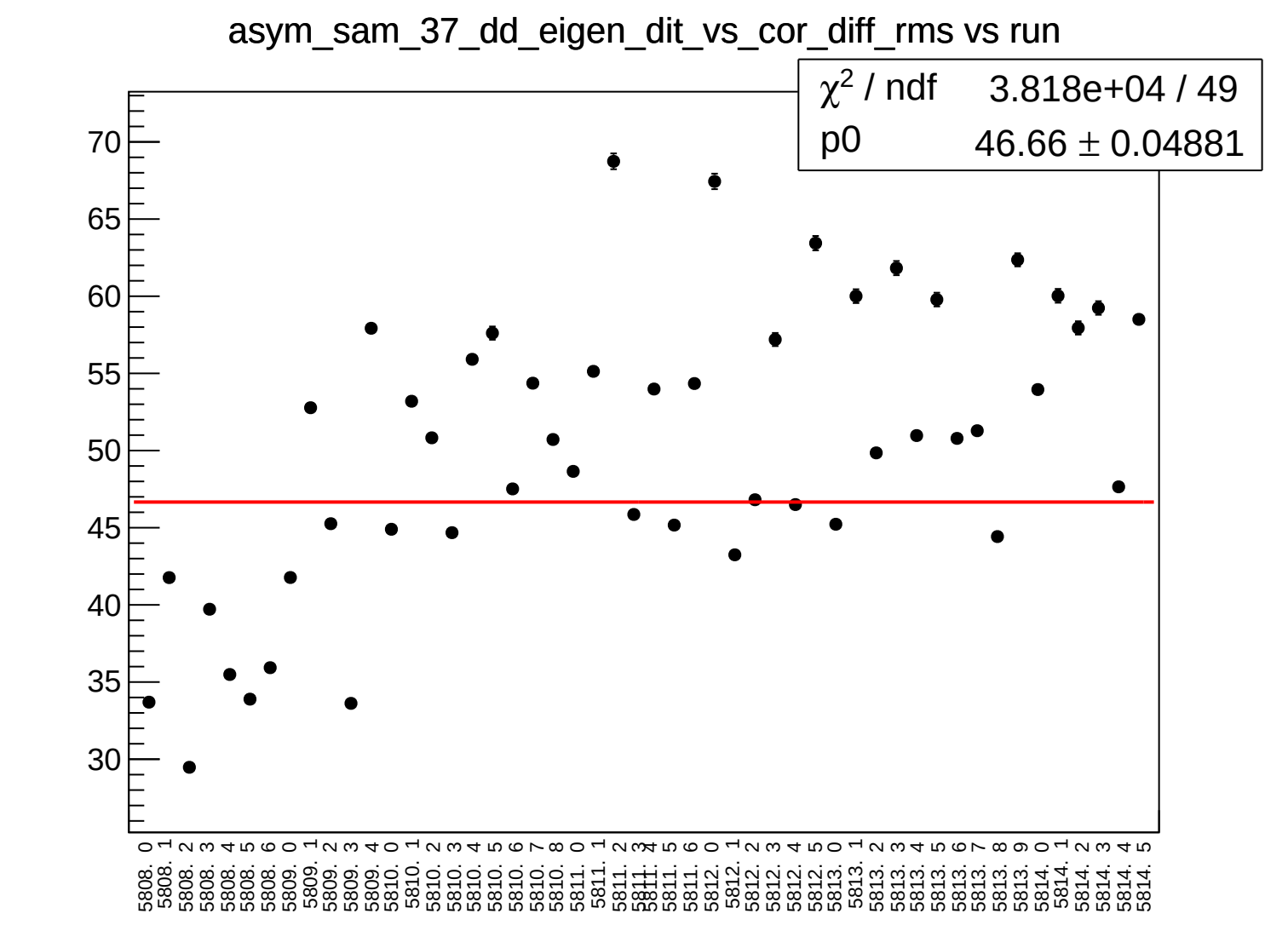

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 59.97 / 49
p0 −3.727e−06 ± 1.45e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 50
Mean −178.6
Std Dev 0

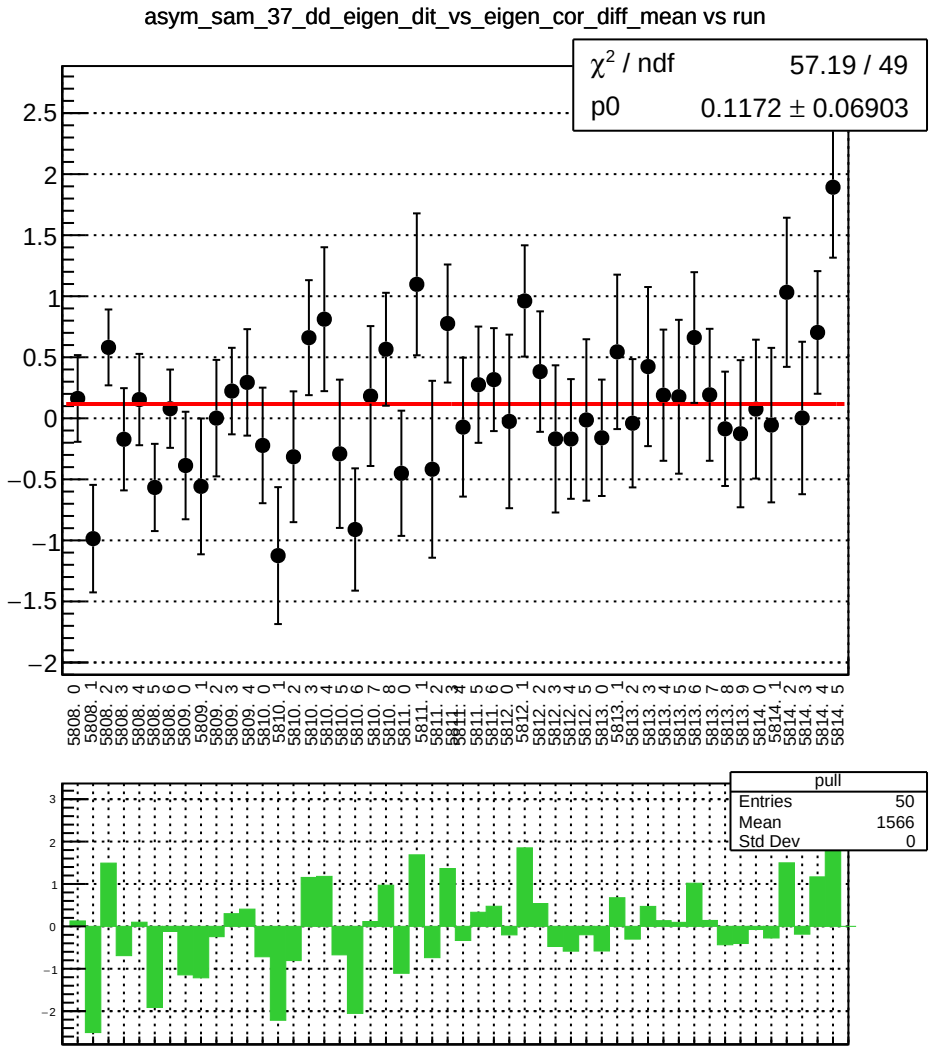

pull1D
Entries 50
Mean 0.01637
Std Dev 1.095

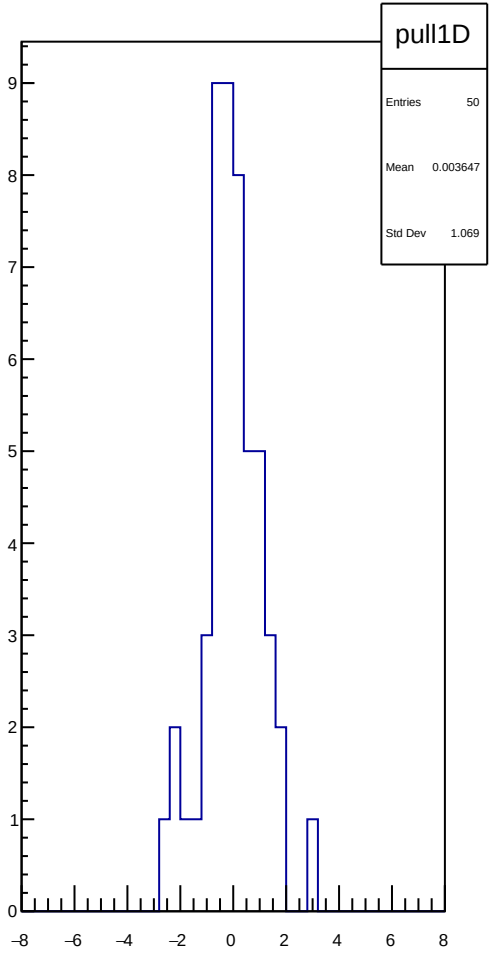

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3002 / 49
p0 0.000999 ± 1.025e−06
0.0011
0.00105
0.001
0.00095
0.0009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

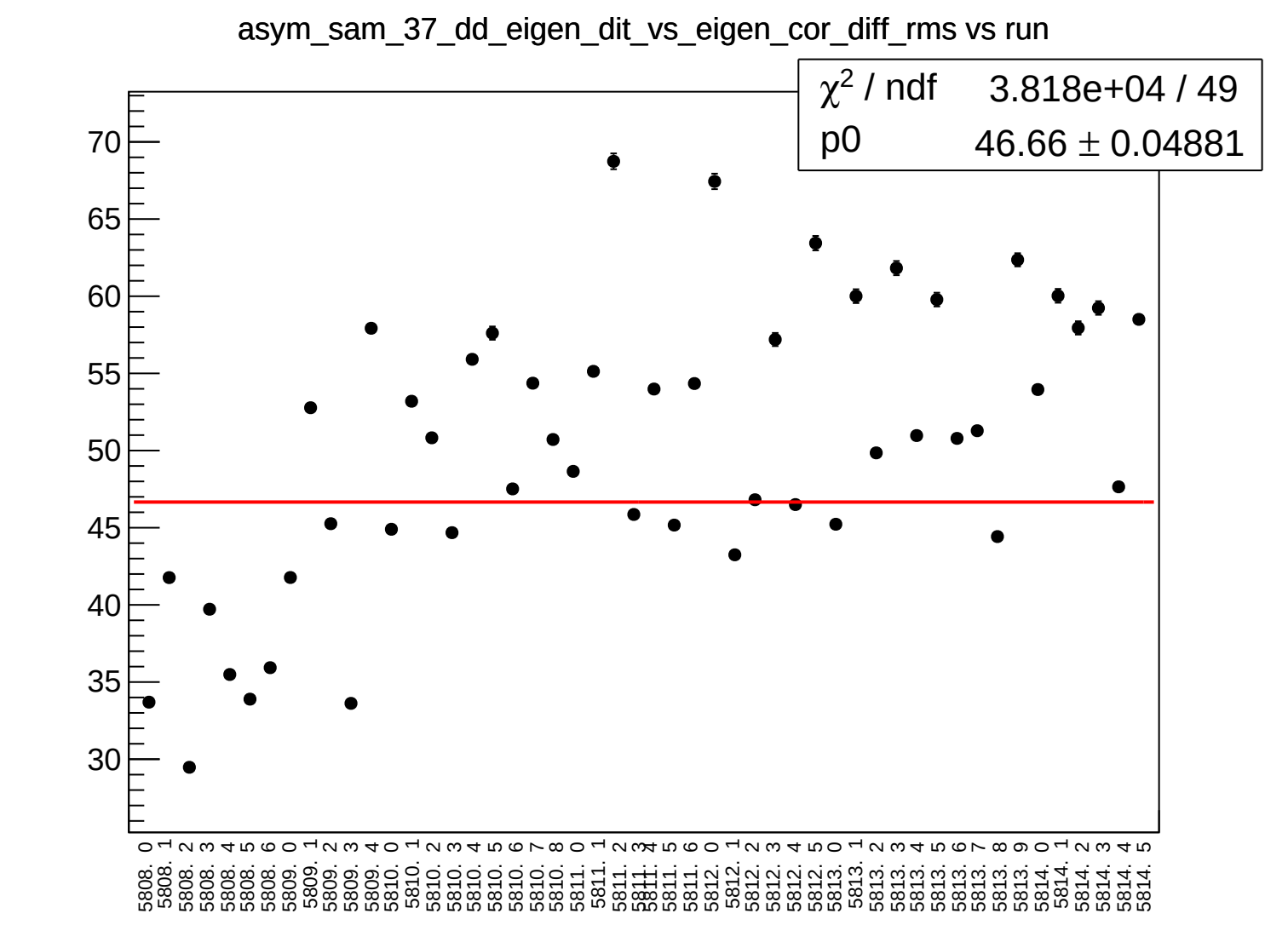

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.19 / 49
p0 0.1172 ± 0.06903
pull
Entries 50
Mean 1566
Std Dev 0


pull1D
Entries 50
Mean 0.003647
Std Dev 1.069


asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ^2 / ndf 3.818e+04 / 49
p0 46.66 ± 0.04881
70
65
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.19 / 49
p0 0.1172 ± 0.06903
pull
Entries 50
Mean 1566
Std Dev 0


pull1D
Entries 50
Mean 0.003647
Std Dev 1.069


asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.818e+04 / 49
p0 46.66 ± 0.04881
70
65
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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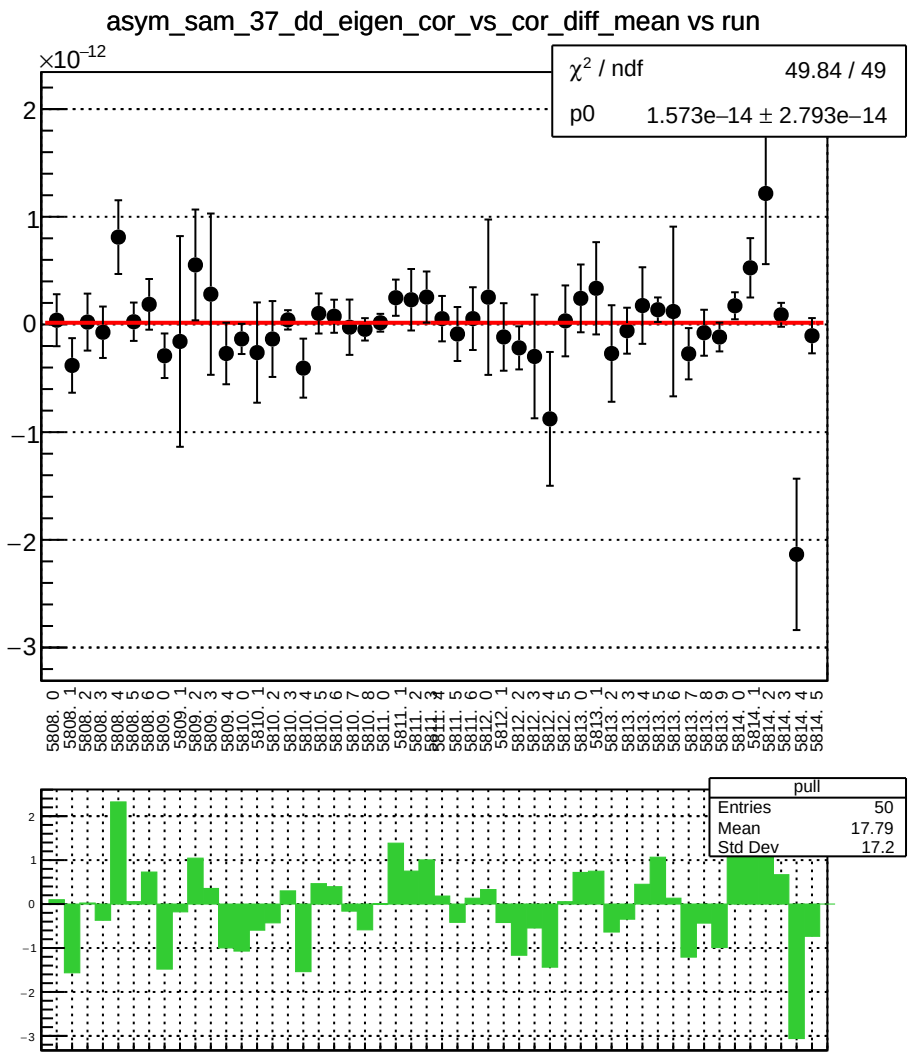
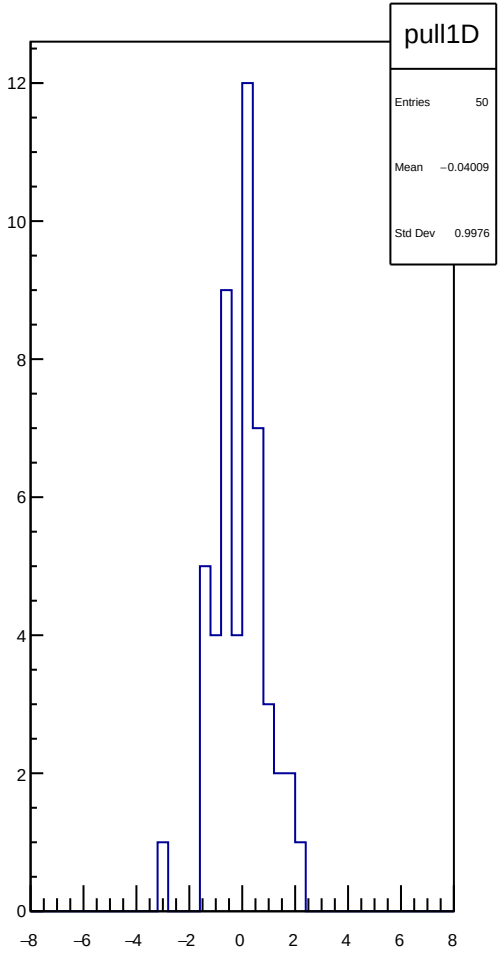
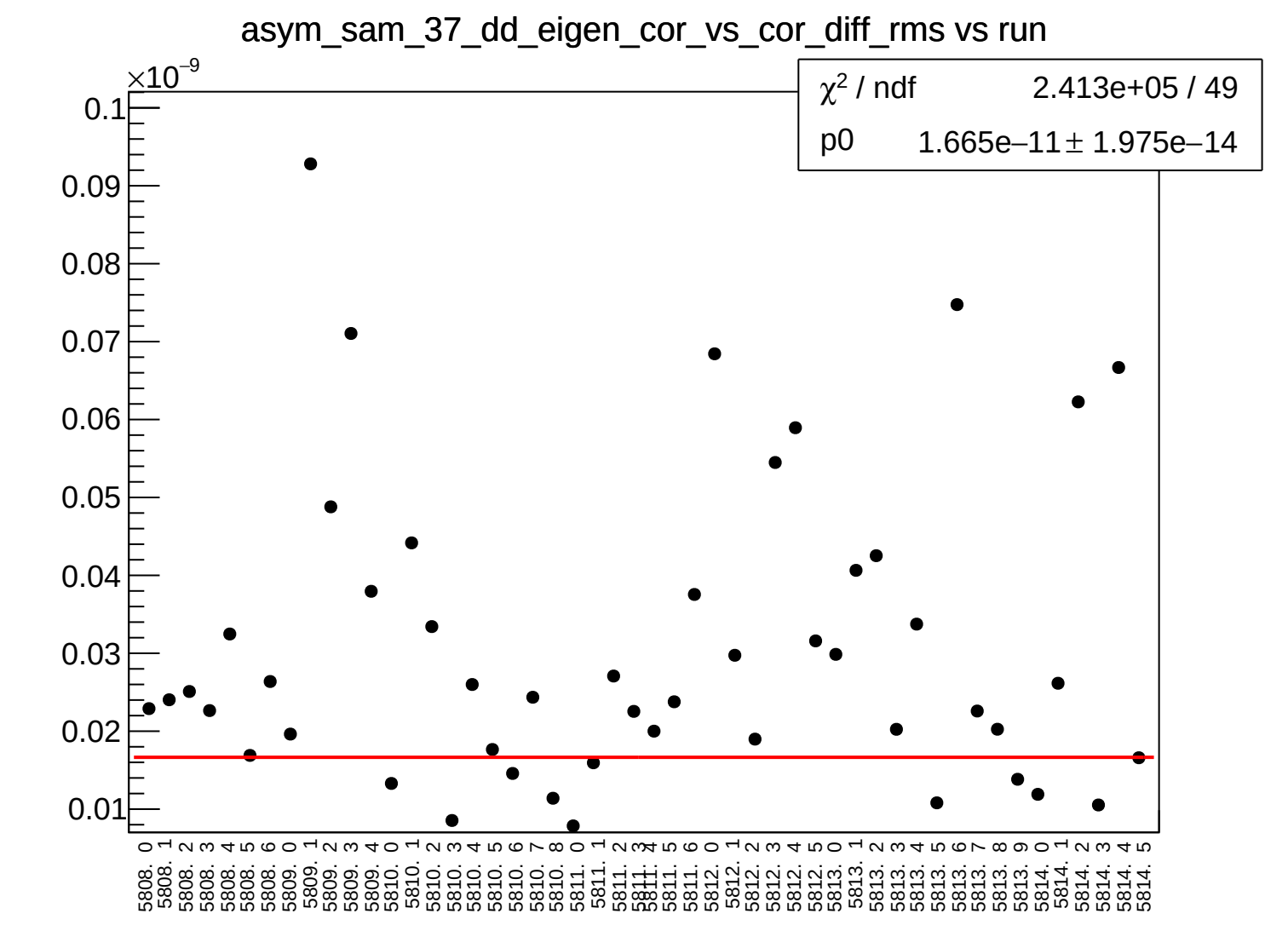
5814. 4
5814. 5


asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 49.84 / 49
p0 1.573e−14 ± 2.793e−14
pull
Entries 50
Mean 17.79
Std Dev 17.2


pull1D
Entries 50
Mean −0.04009
Std Dev 0.9976


asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.413e+05 / 49
p0 1.665e−11 ± 1.975e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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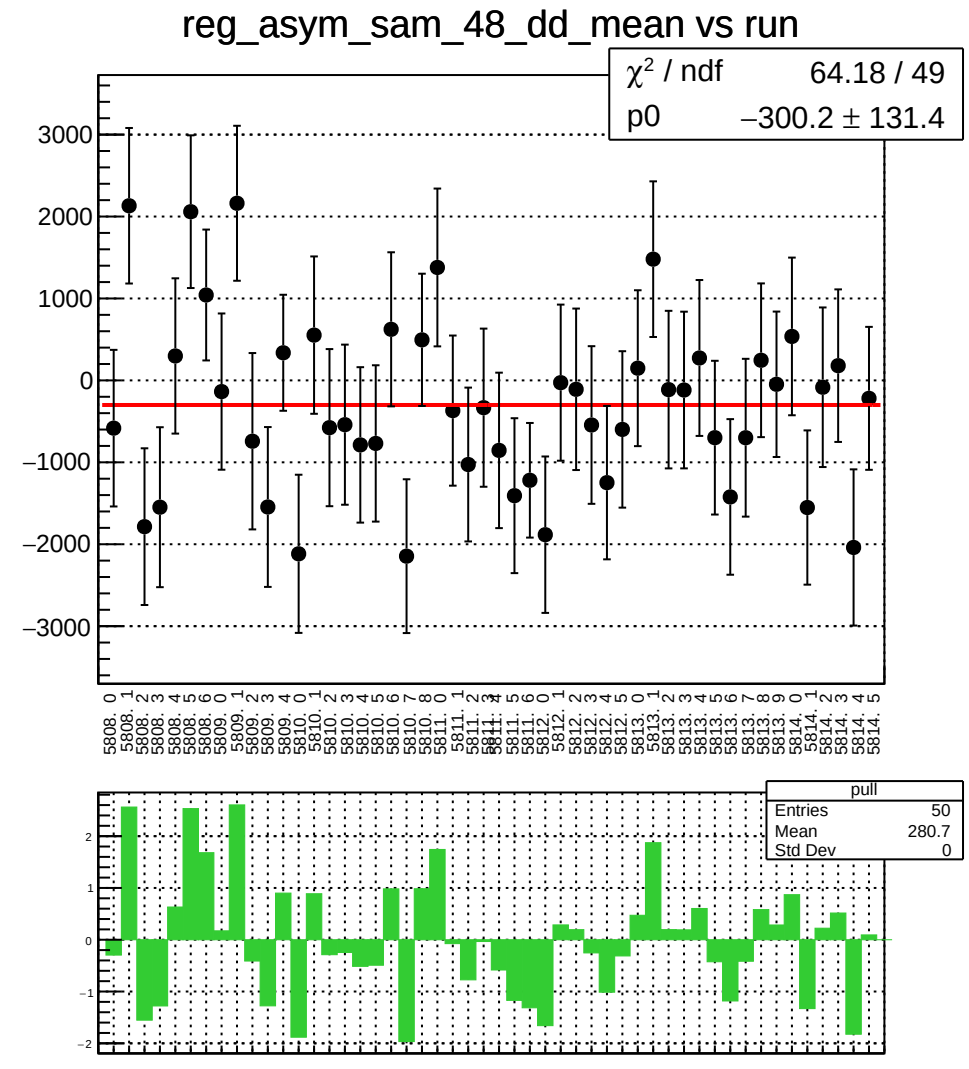
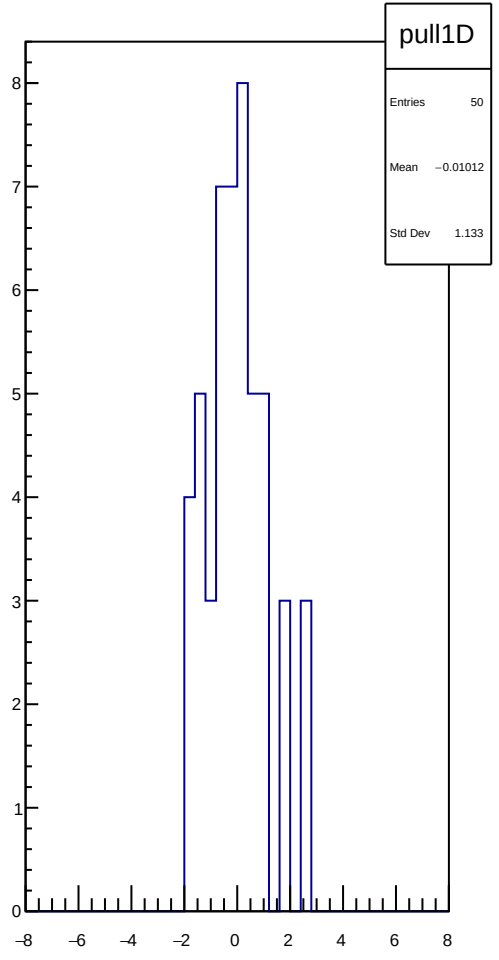
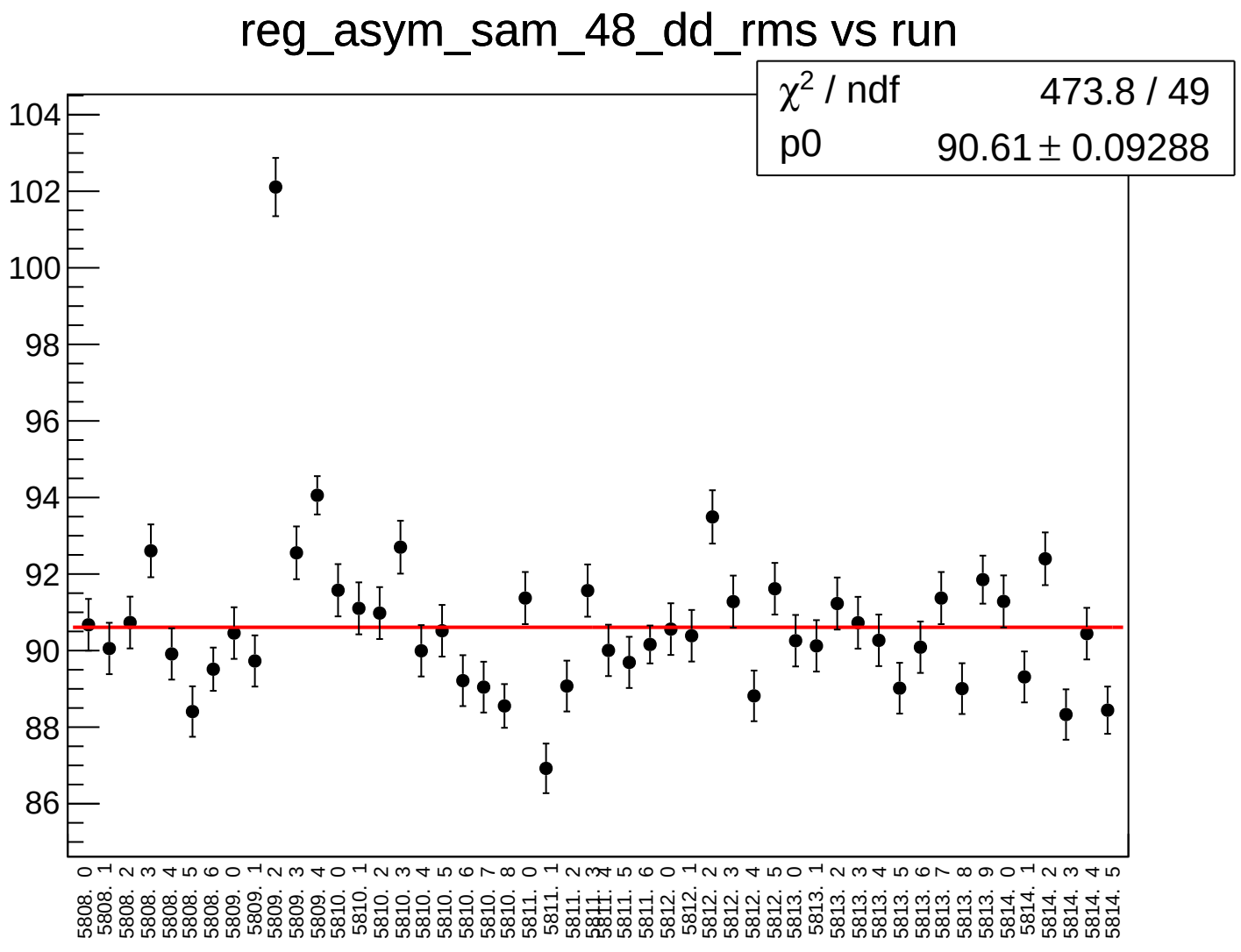
5814. 4
5814. 5


reg_asym_sam_48_dd_mean vs run
χ² / ndf 64.18 / 49
p0 −300.2 ± 131.4
pull
Entries 50
Mean 280.7
Std Dev 0


pull1D
Entries 50
Mean −0.01012
Std Dev 1.133


reg_asym_sam_48_dd_rms vs run
χ² / ndf 473.8 / 49
p0 90.61 ± 0.09288
104
102
100
98
96
94
92
90
88
86
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
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5811. 2
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5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
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5814. 2
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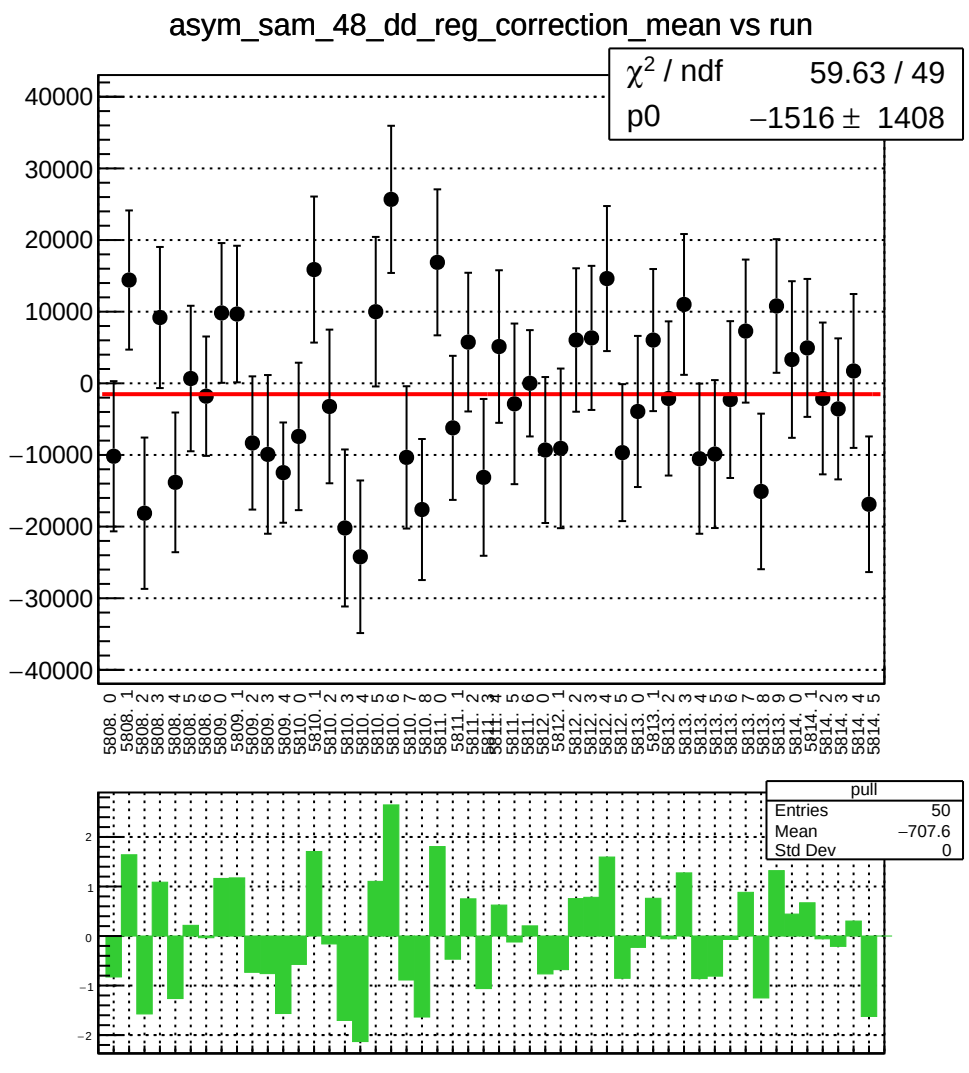
5814. 5


asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 59.63 / 49
p0 −1516 ± 1408
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 4
5811. 5
5811. 6
5812. 0
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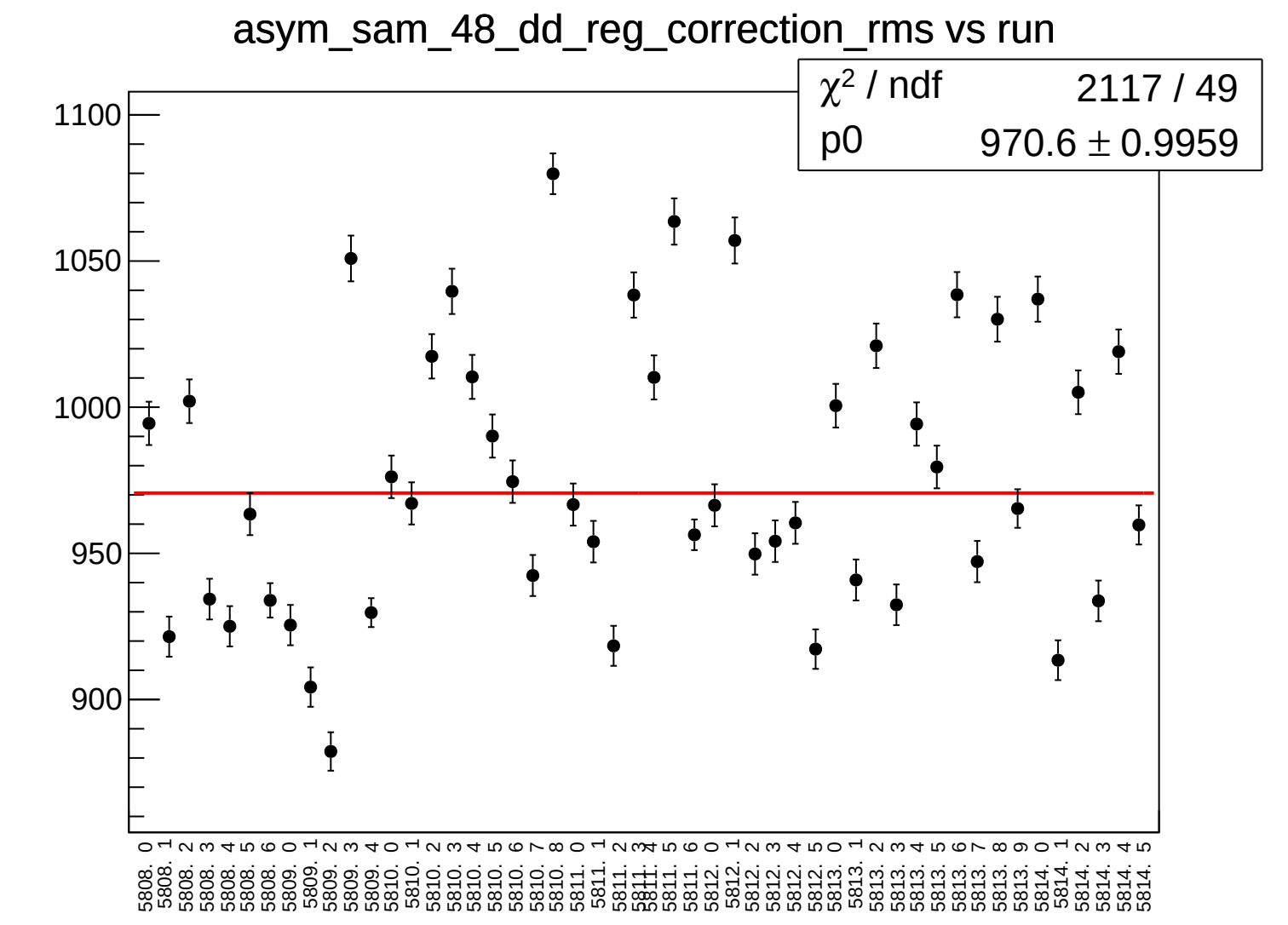
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −707.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.0008409
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 2117 / 49
p0 970.6 ± 0.9959
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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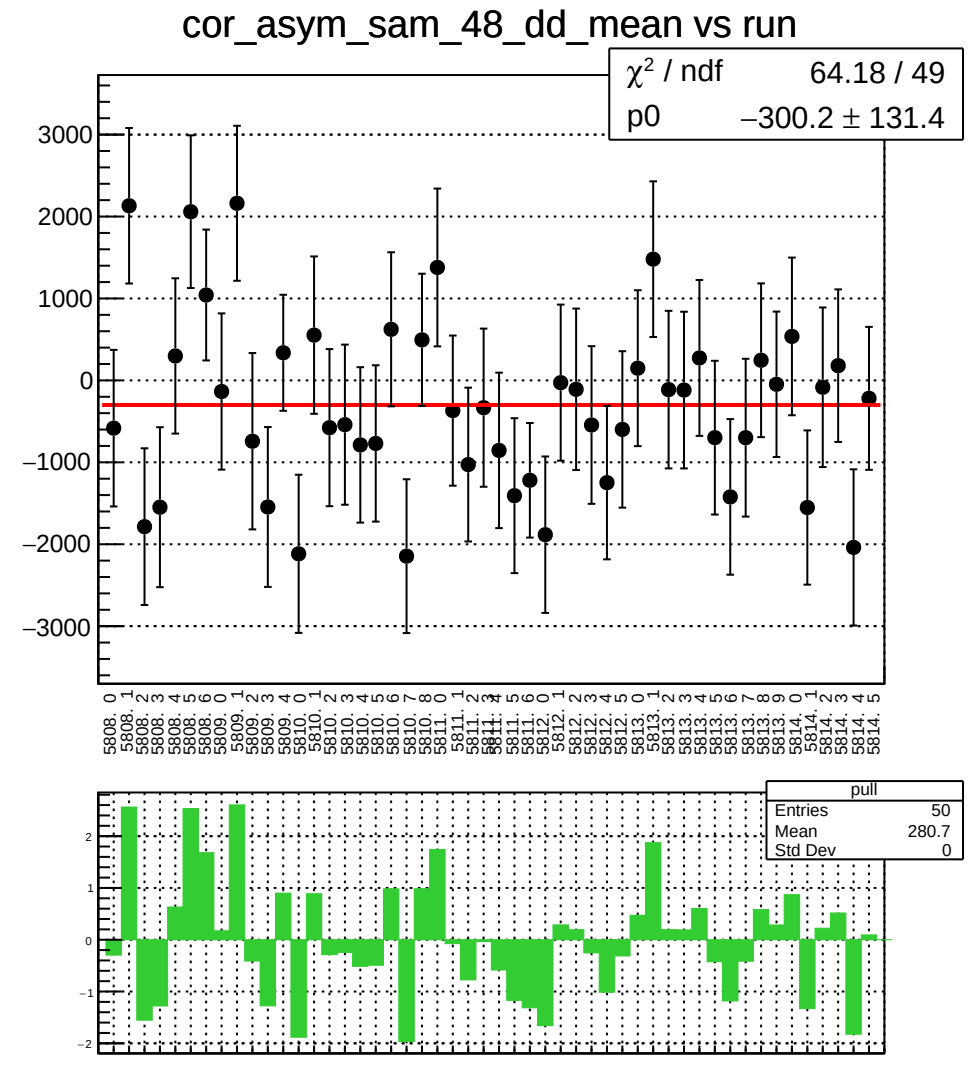
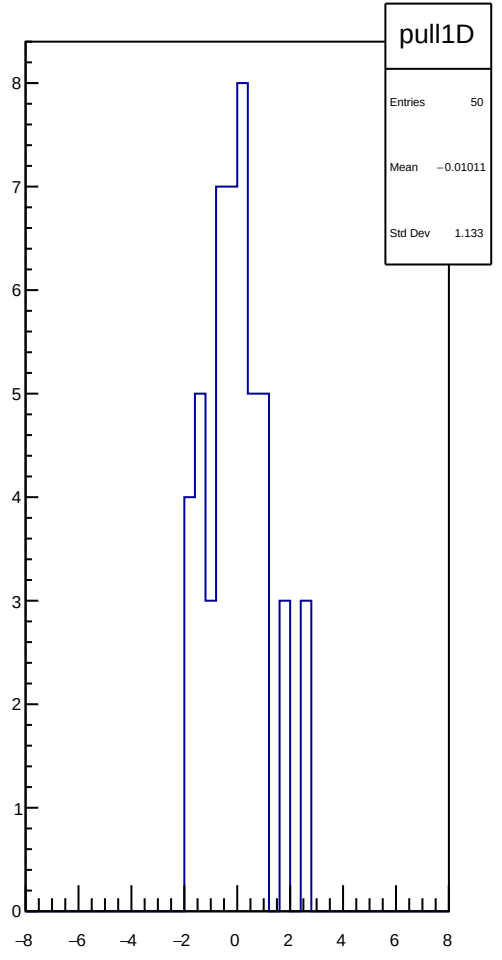
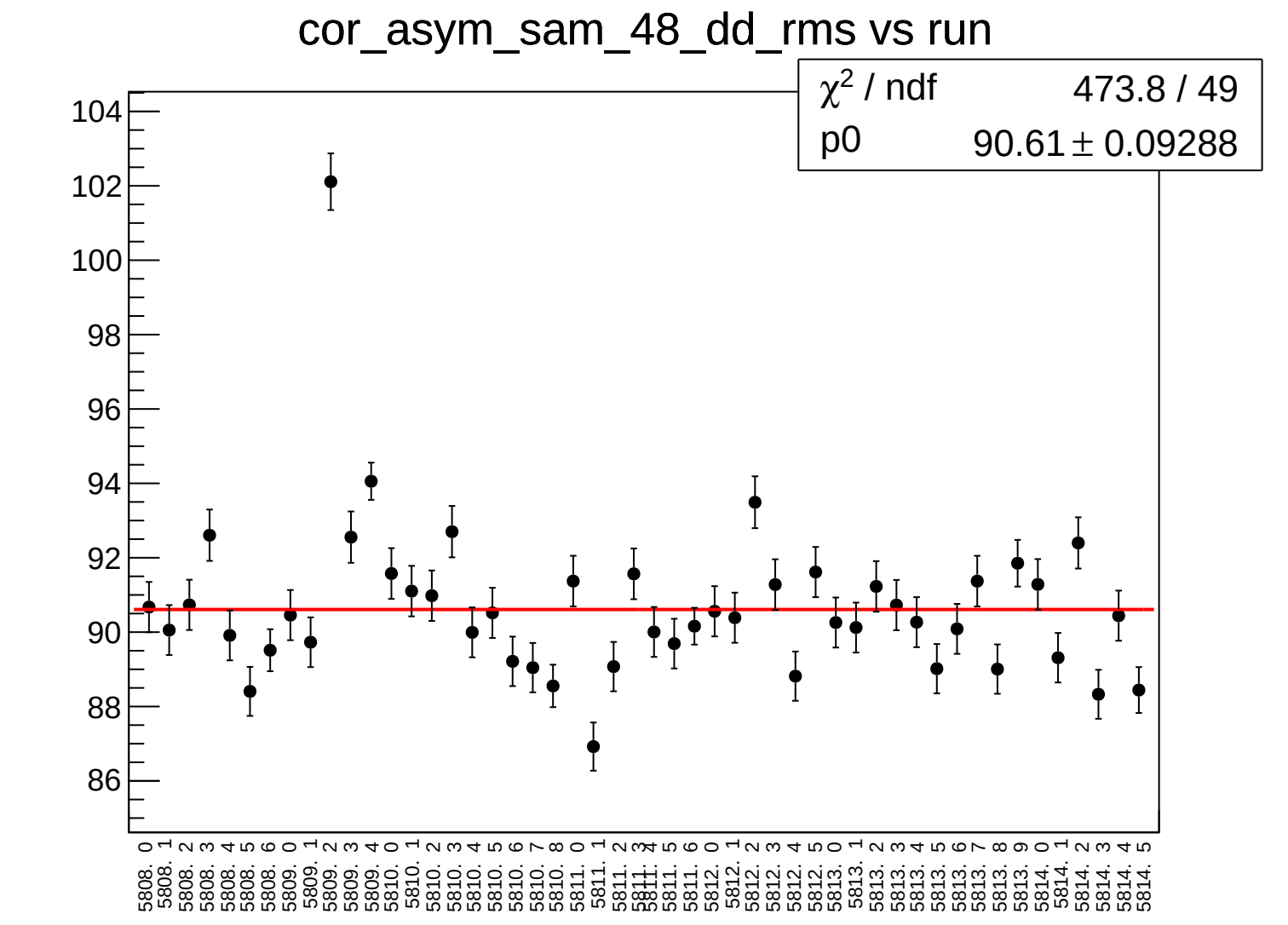
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.18 / 49
p0 −300.2 ± 131.4
pull
Entries 50
Mean 280.7
Std Dev 0


pull1D
Entries 50
Mean −0.01011
Std Dev 1.133


cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 473.8 / 49
p0 90.61 ± 0.09288
104
102
100
98
96
94
92
90
88
86
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
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5813. 2
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5813. 5
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5814. 2
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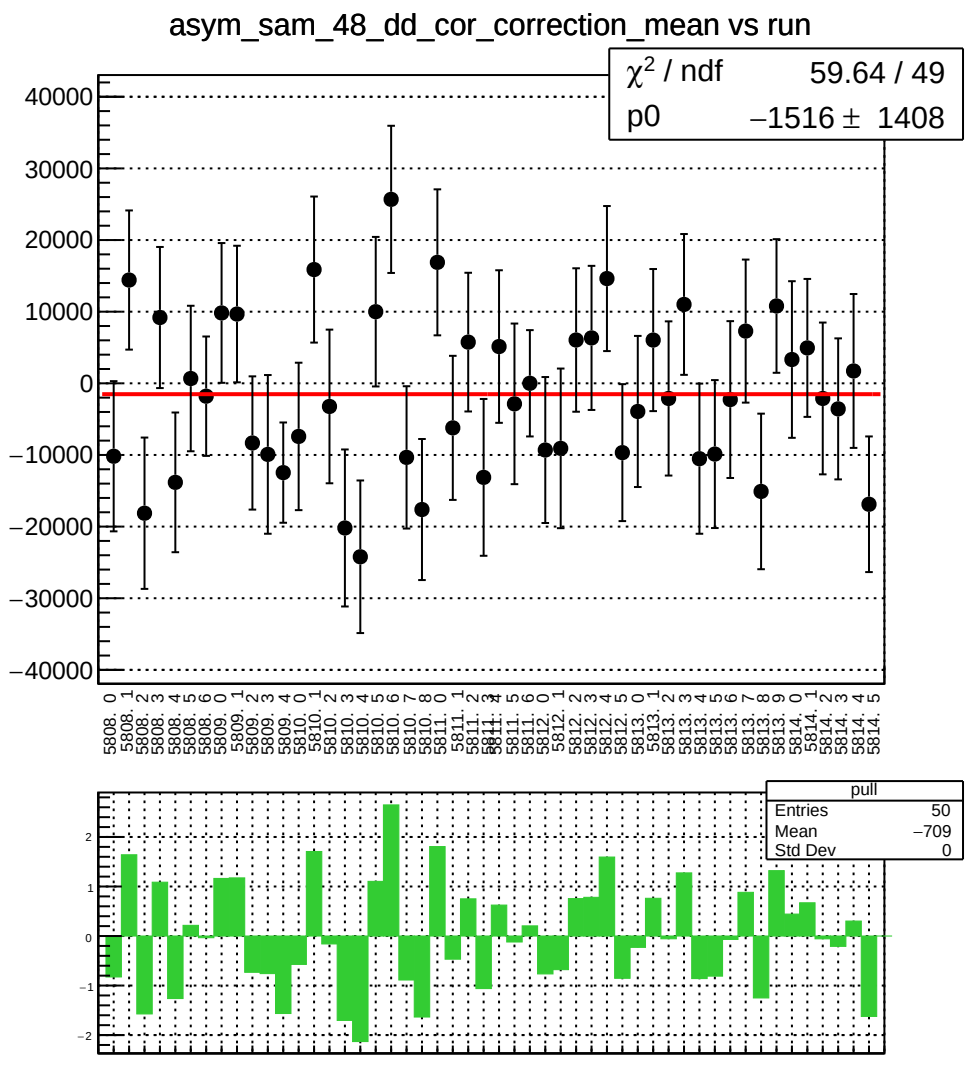
5814. 4
5814. 5


asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 59.64 / 49
p0 −1516 ± 1408
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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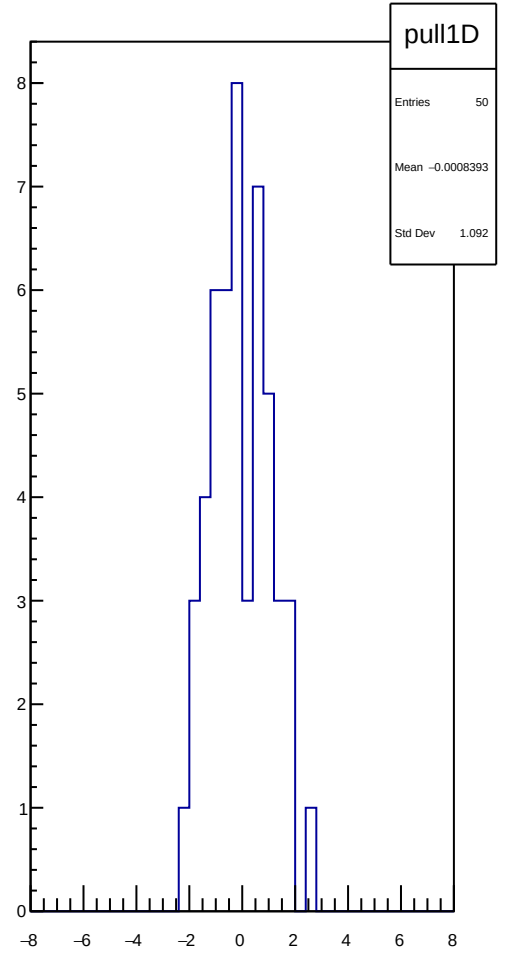
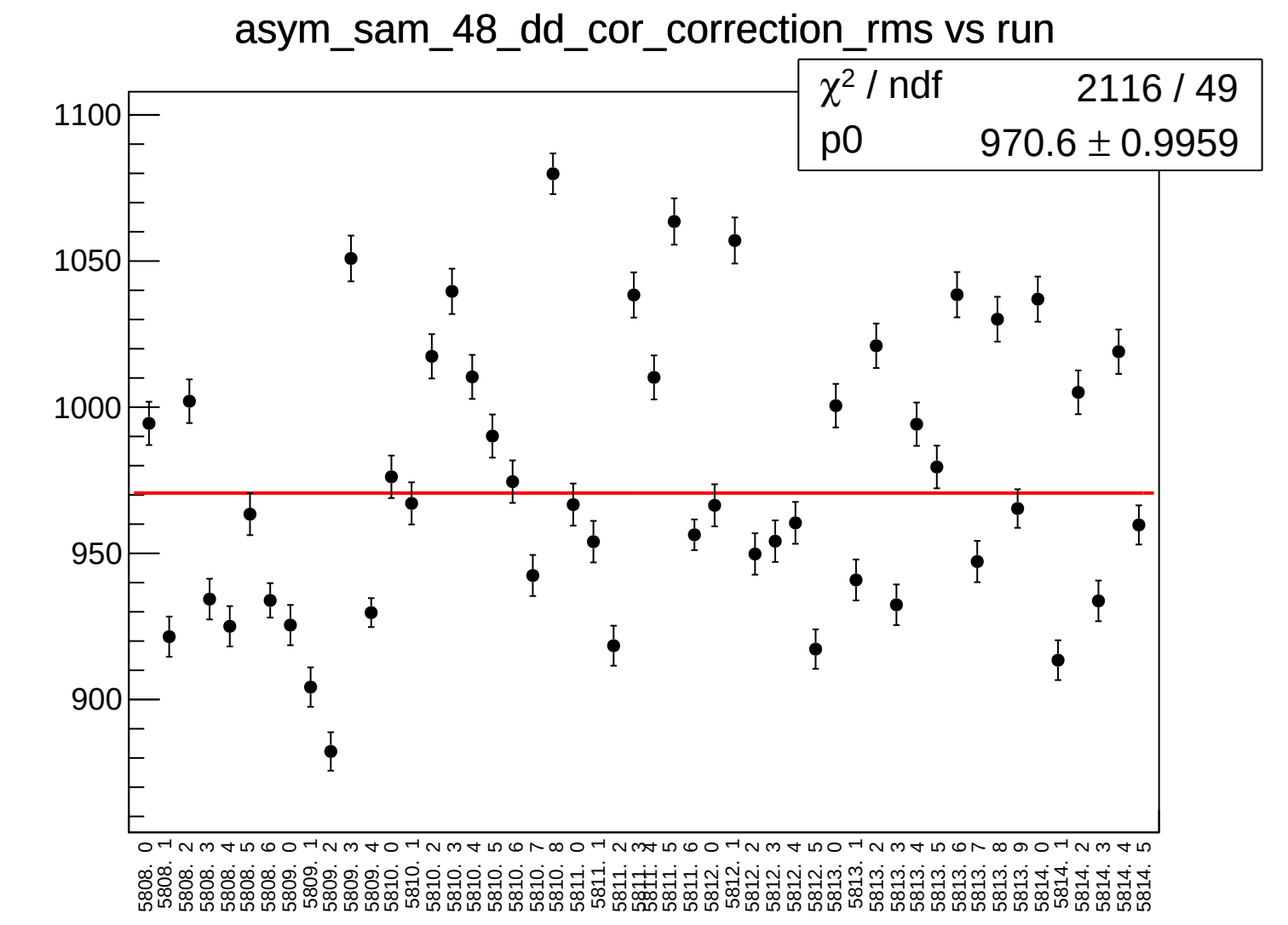
5814. 4
5814. 5
pull
Entries 50
Mean −709
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.0008393
Std Dev 1.092
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 2116 / 49
p0 970.6 ± 0.9959
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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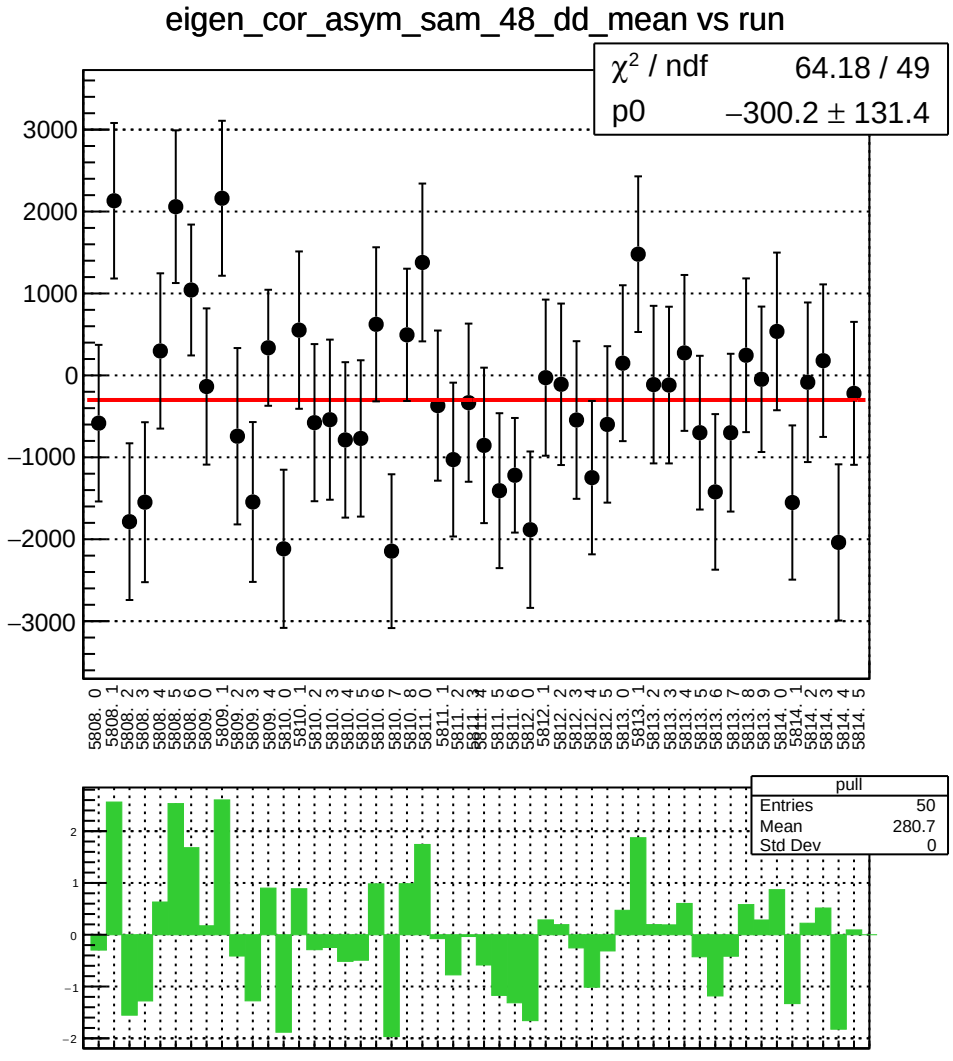
5814. 5


eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 64.18 / 49
p0 −300.2 ± 131.4
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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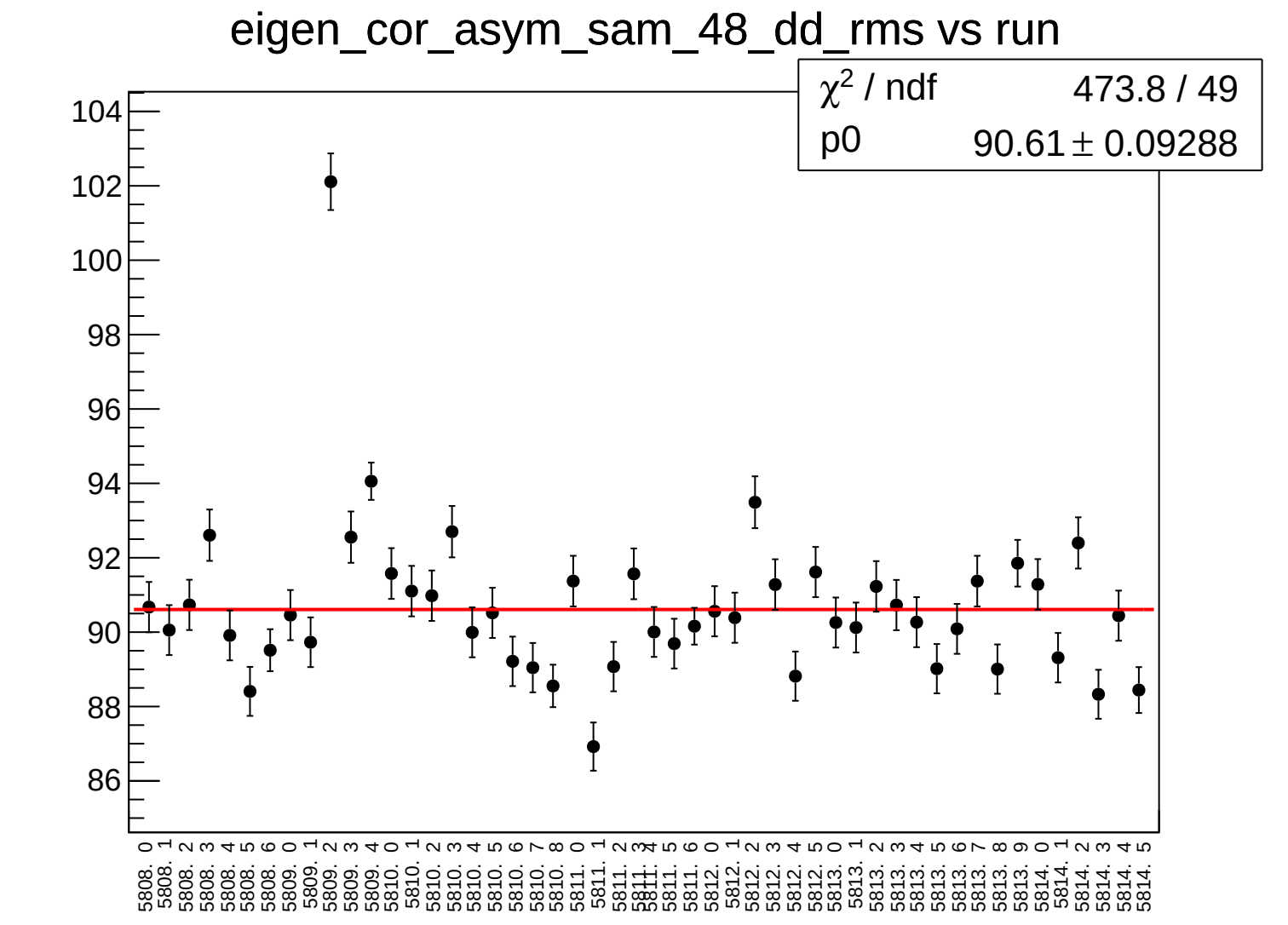
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 280.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.01011
Std Dev 1.133
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_48_dd_rms vs run
χ^2 / ndf 473.8 / 49
p0 90.61 ± 0.09288
104
102
100
98
96
94
92
90
88
86
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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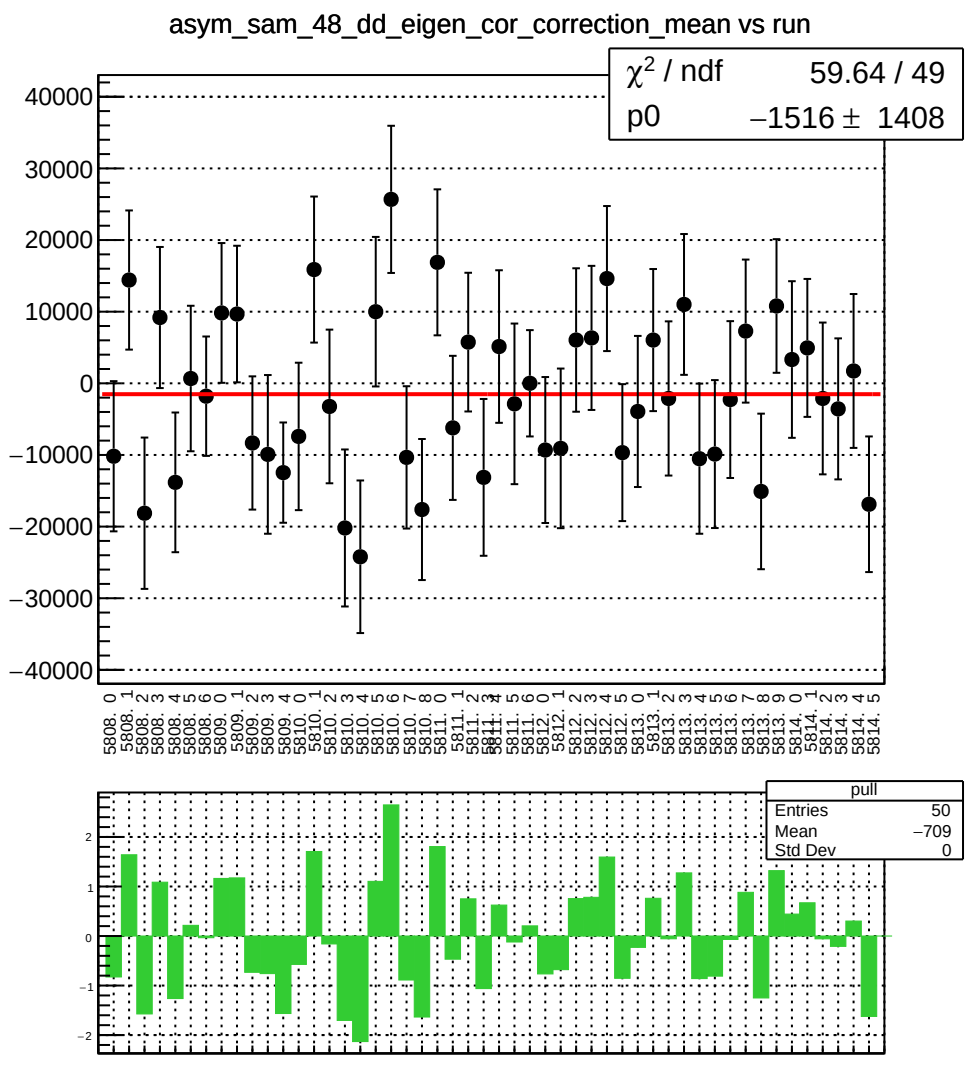
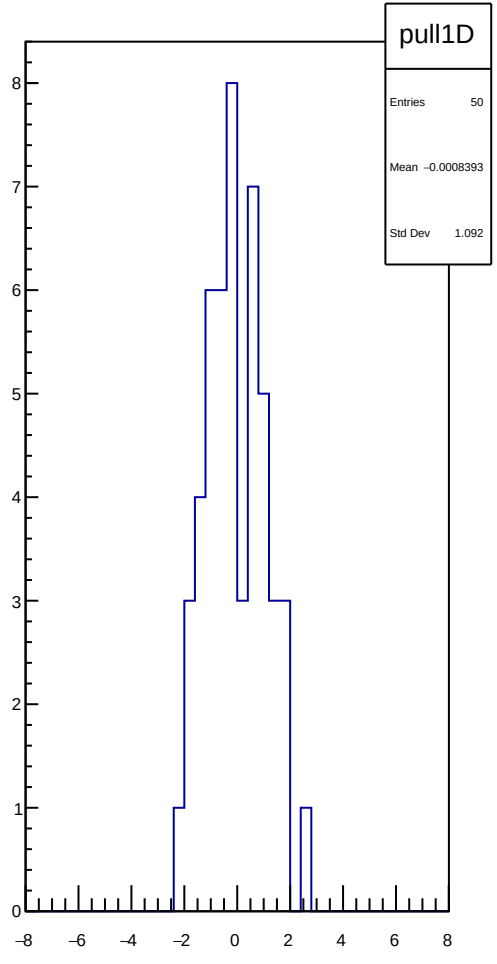
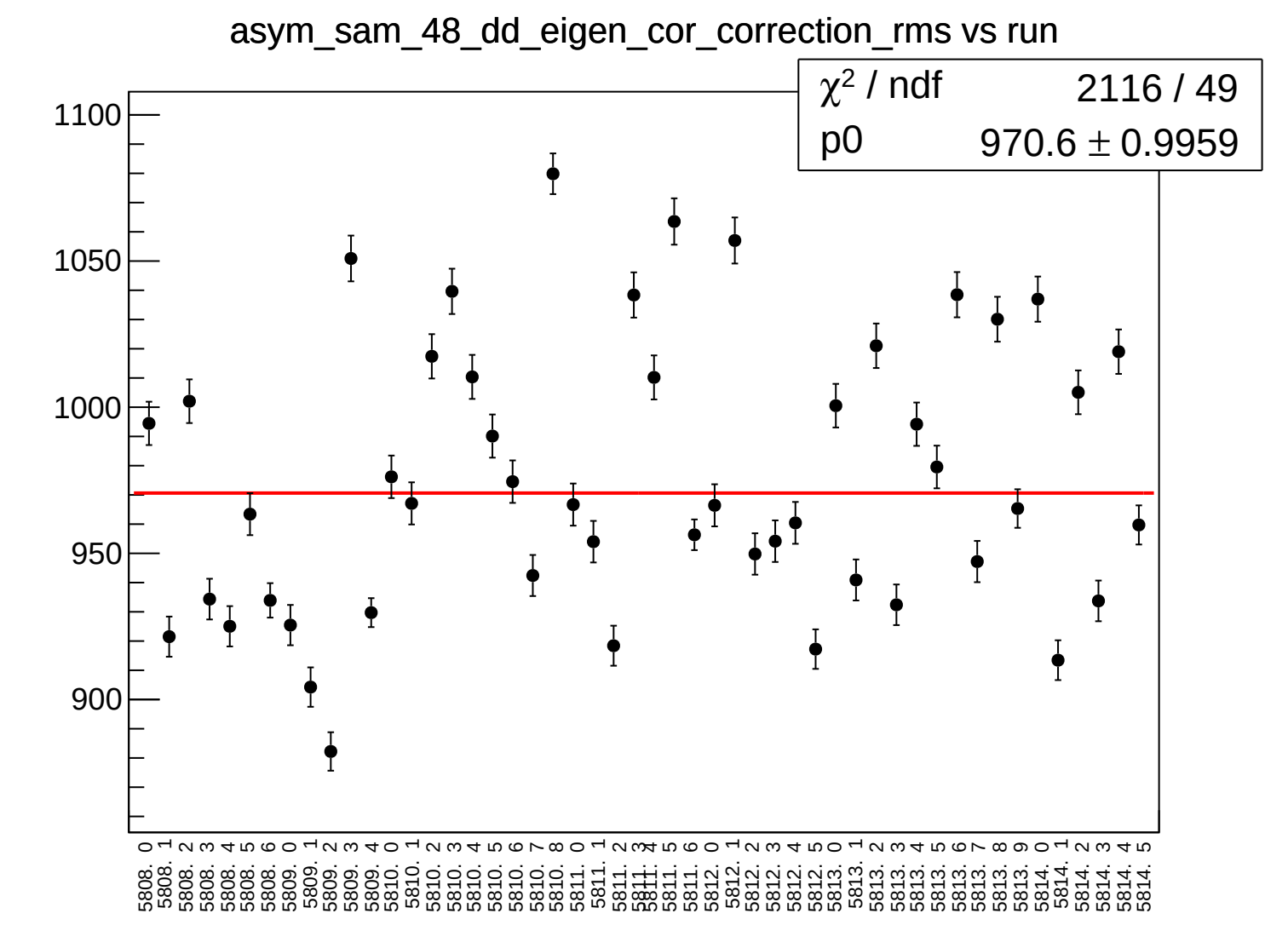
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 59.64 / 49
p0 −1516 ± 1408
pull
Entries 50
Mean −709
Std Dev 0


pull1D
Entries 50
Mean −0.0008393
Std Dev 1.092


asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2116 / 49
p0 970.6 ± 0.9959
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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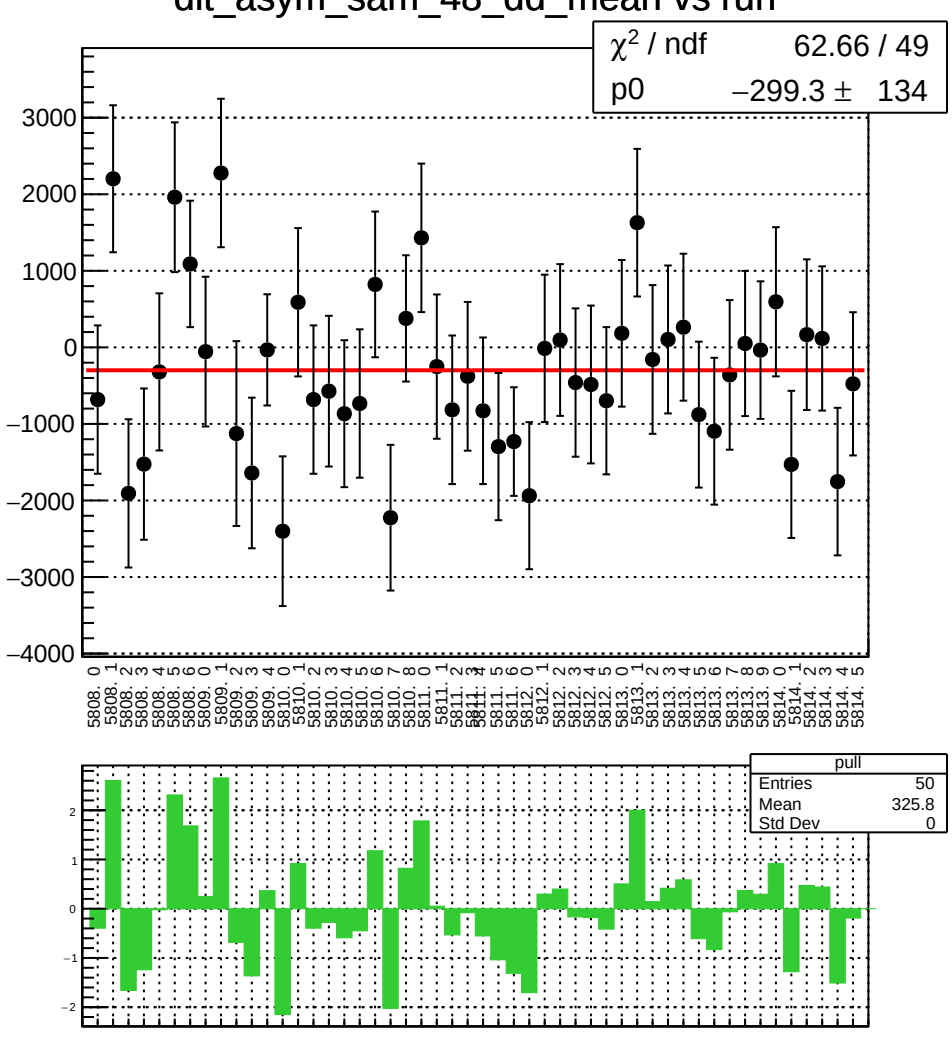
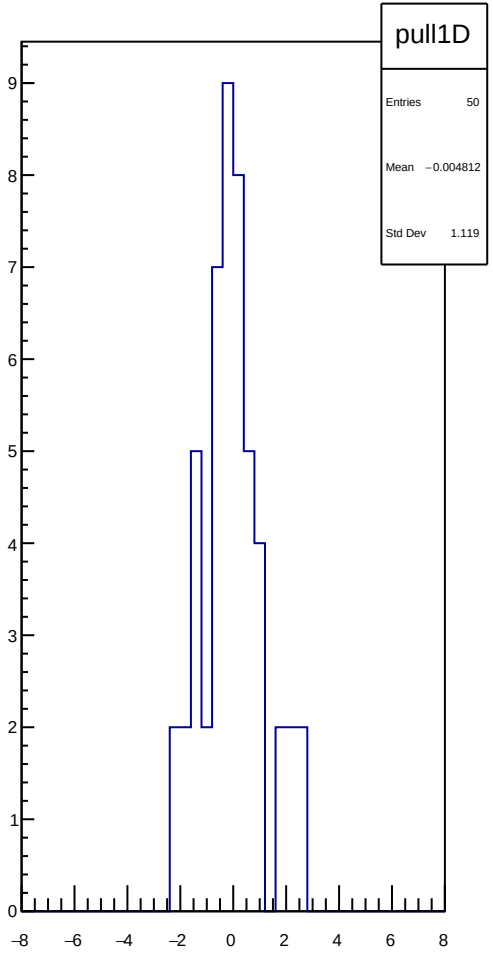
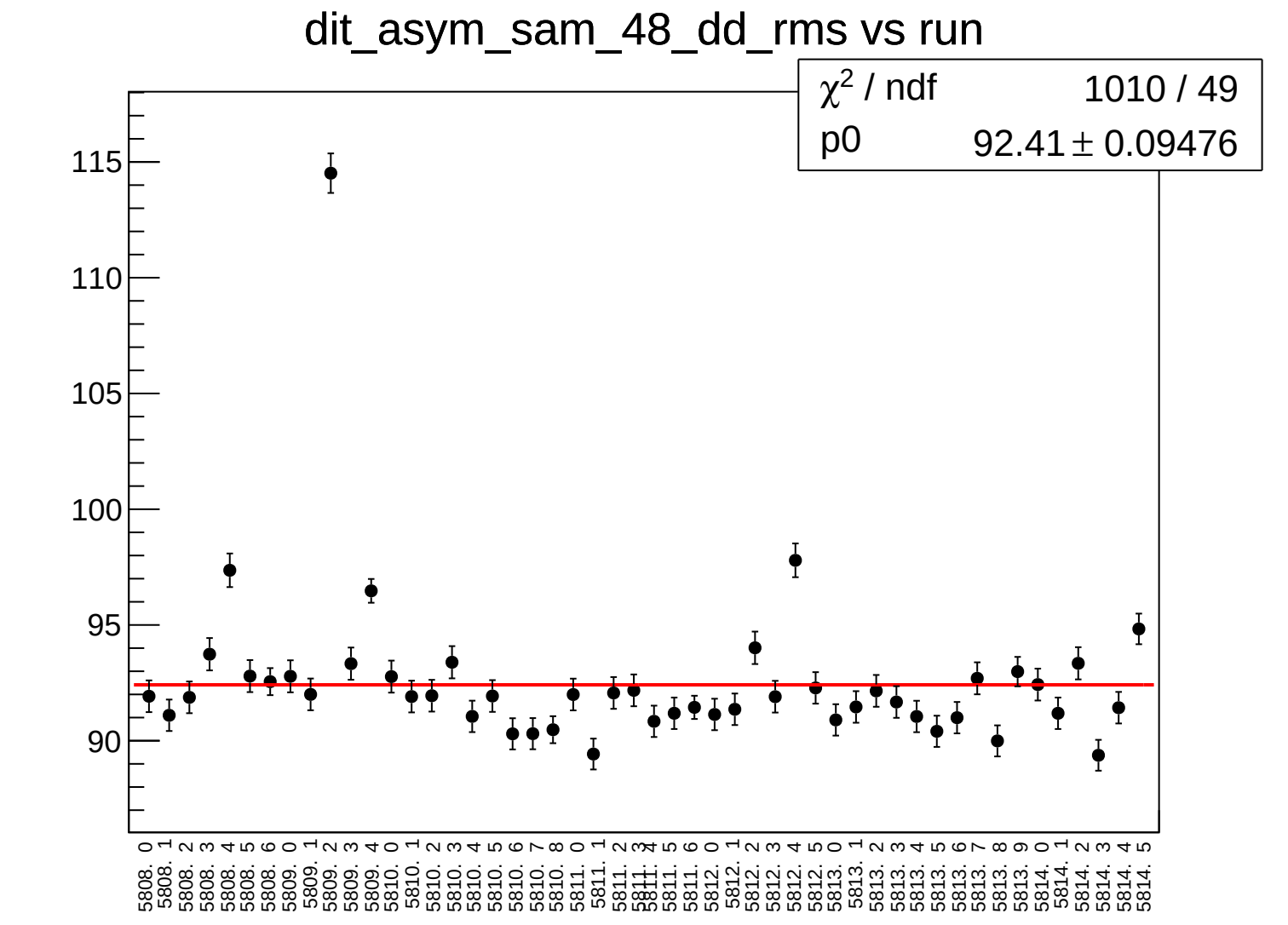
5814. 5


dit_asym_sam_48_dd_mean vs run
χ^2 / ndf 62.66 / 49
p0 −299.3 ± 134
pull
Entries 50
Mean 325.8
Std Dev 0


pull1D
Entries 50
Mean −0.004812
Std Dev 1.119


dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1010 / 49
p0 92.41 ± 0.09476
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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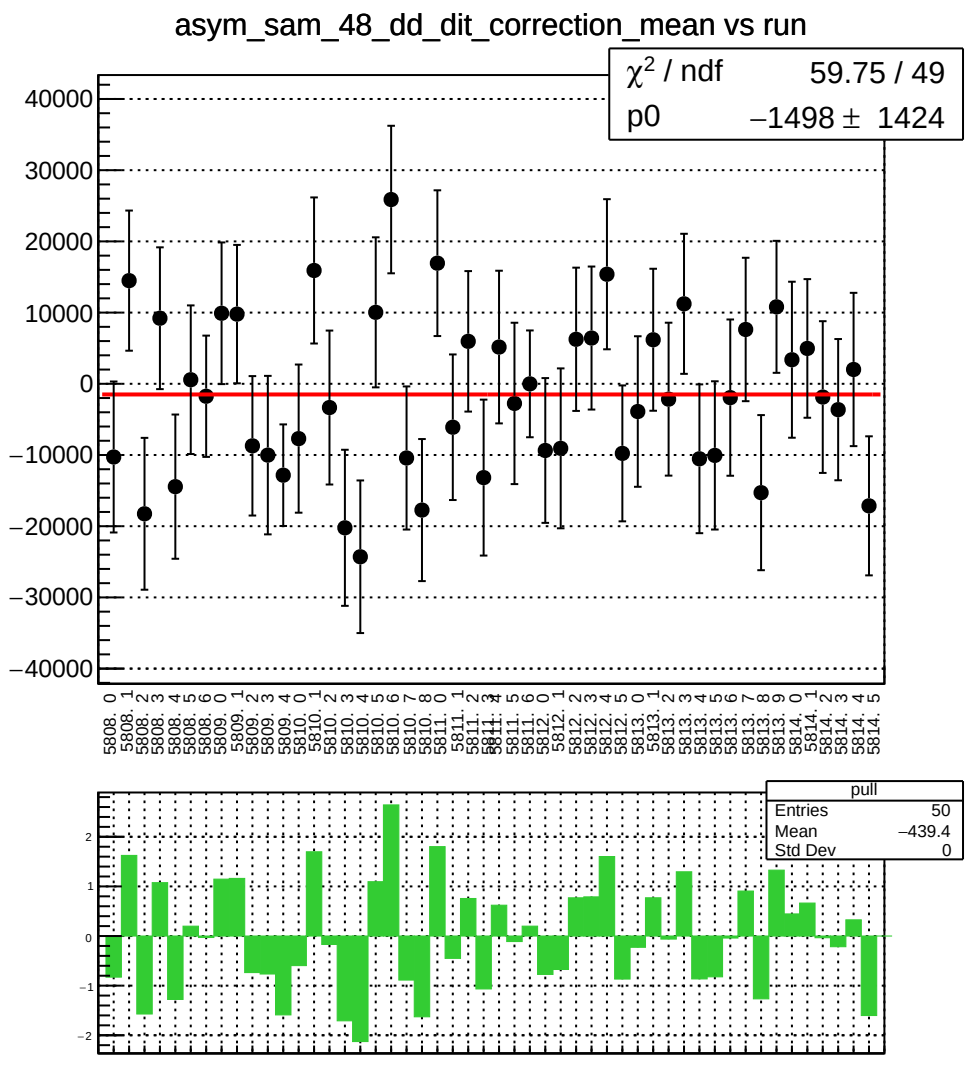
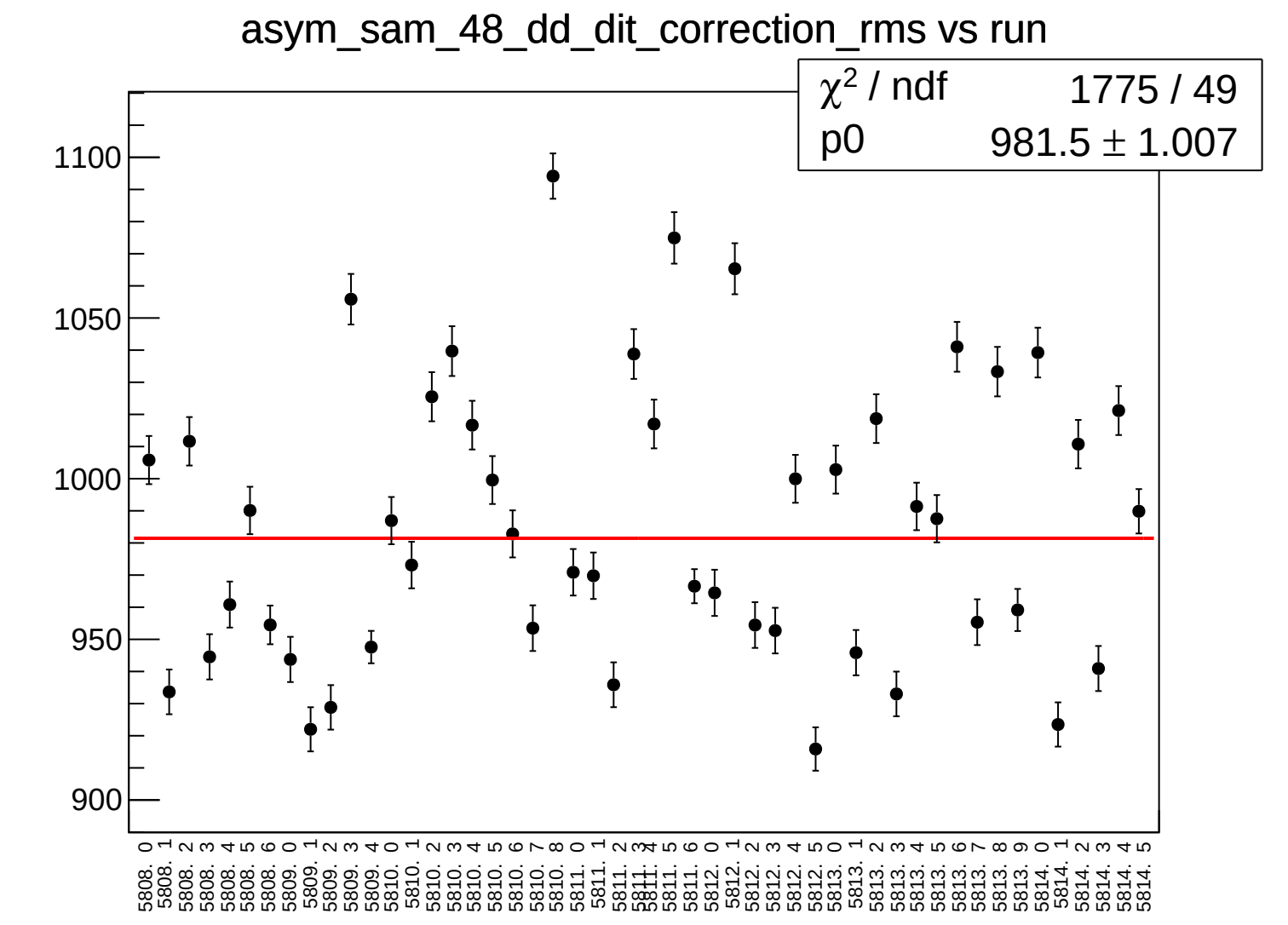
5814. 4
5814. 5


asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 59.75 / 49
p0 −1498 ± 1424
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −439.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.001536
Std Dev 1.093
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1775 / 49
p0 981.5 ± 1.007
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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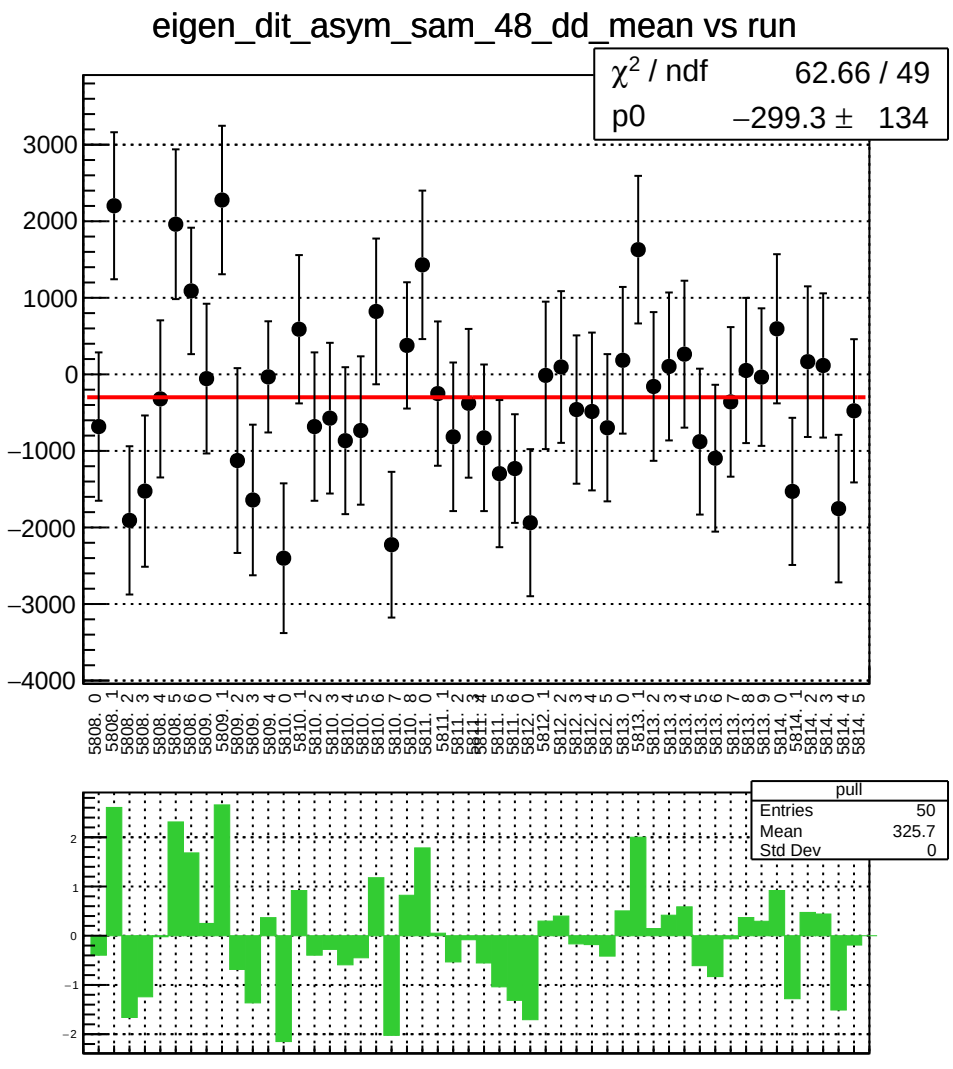
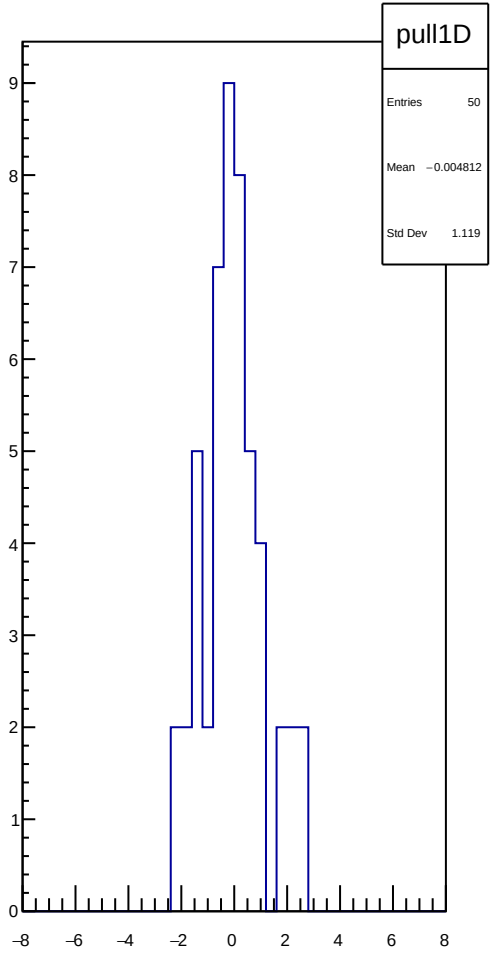
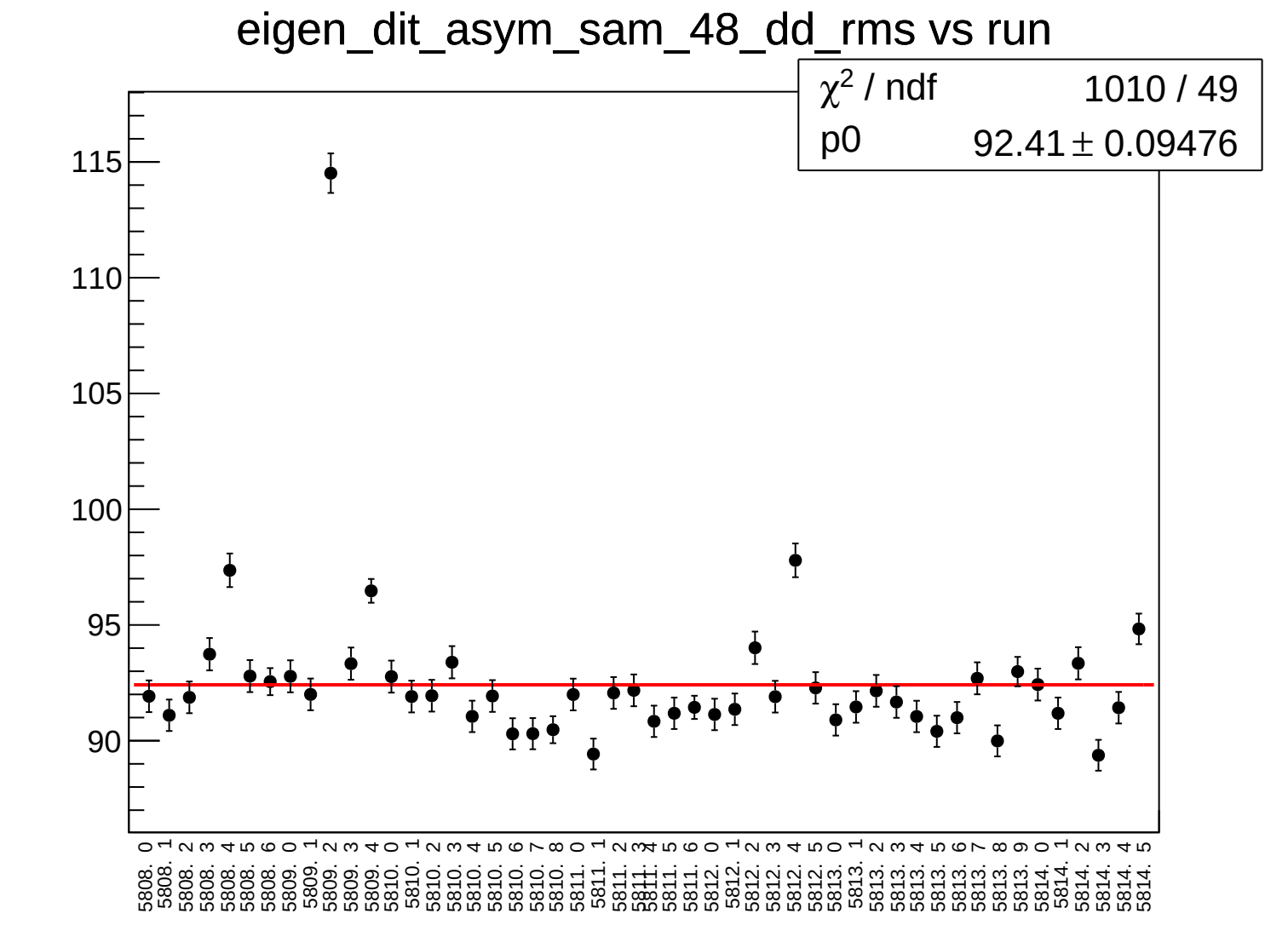
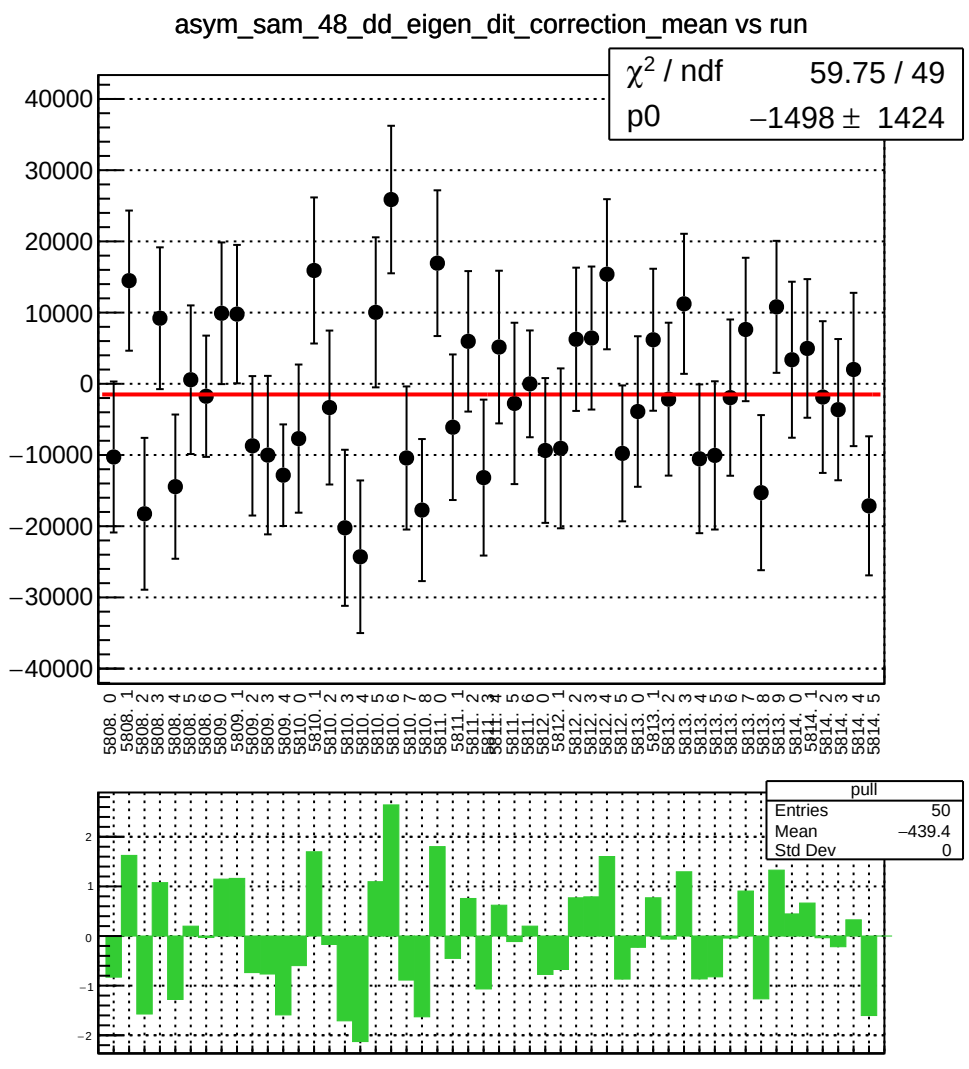
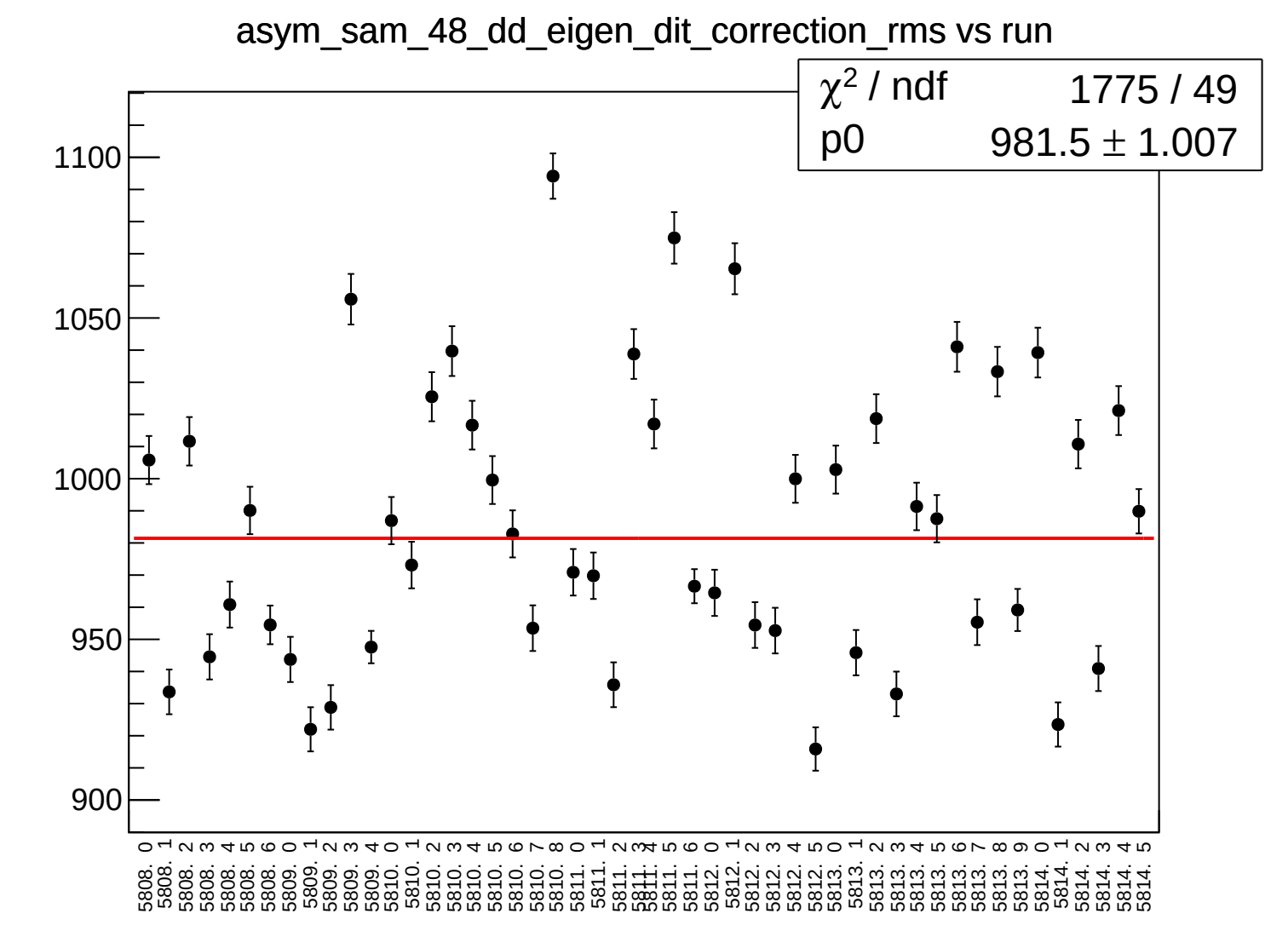
5814. 4
5814. 5

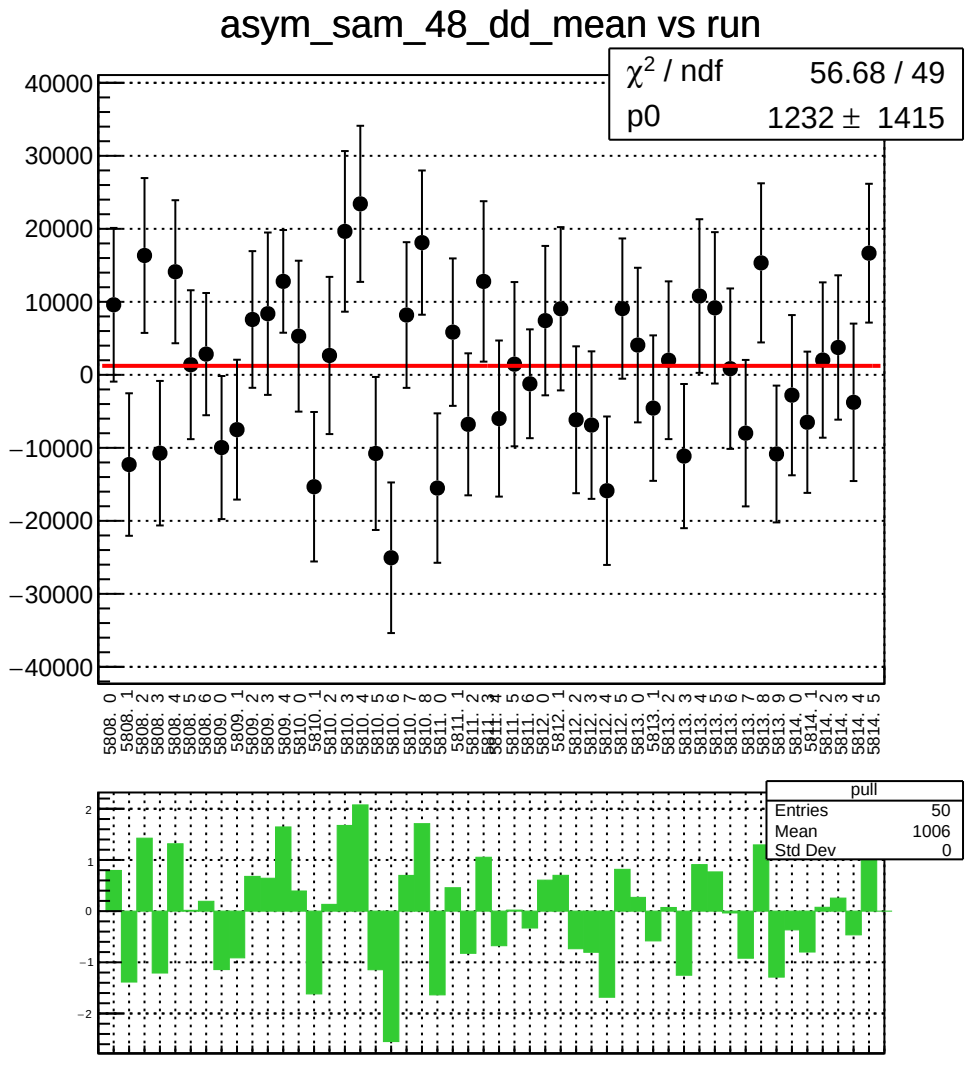

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 62.66 / 49
p0 −299.3 ± 134
pull
Entries 50
Mean 325.7
Std Dev 0

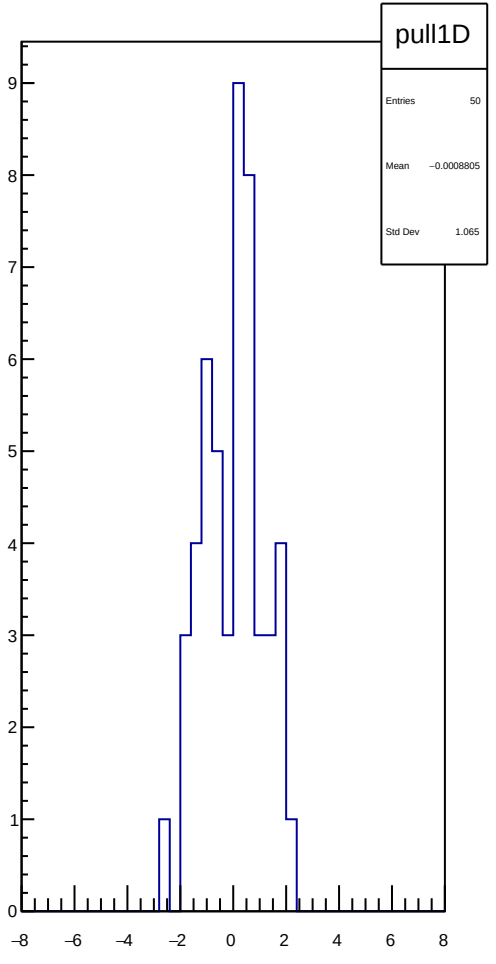

pull1D
Entries 50
Mean −0.004812
Std Dev 1.119

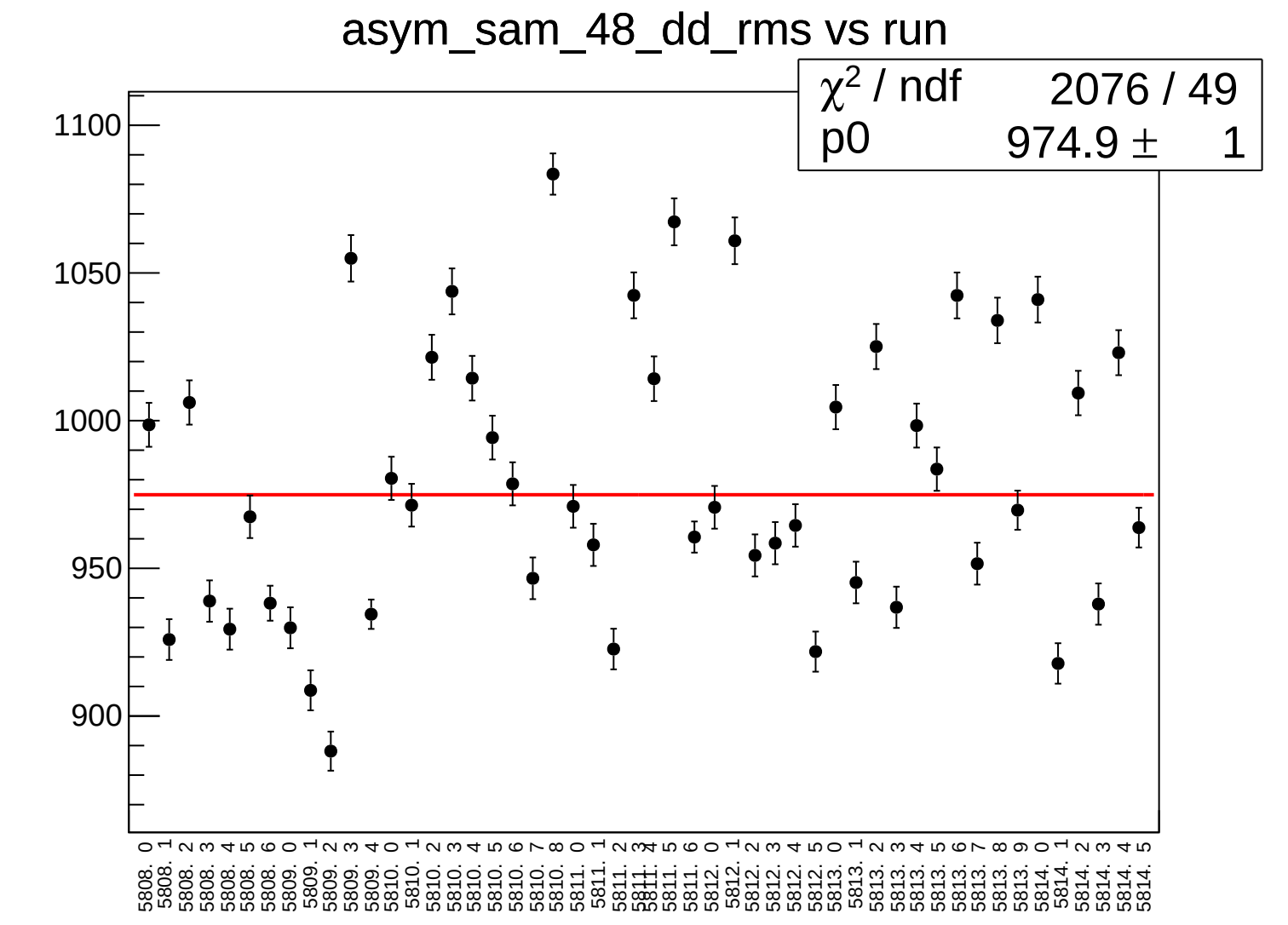

eigen_dit_asym_sam_48_dd_rms vs run
χ^2 / ndf 1010 / 49
p0 92.41 ± 0.09476
115
110
105
100
95
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

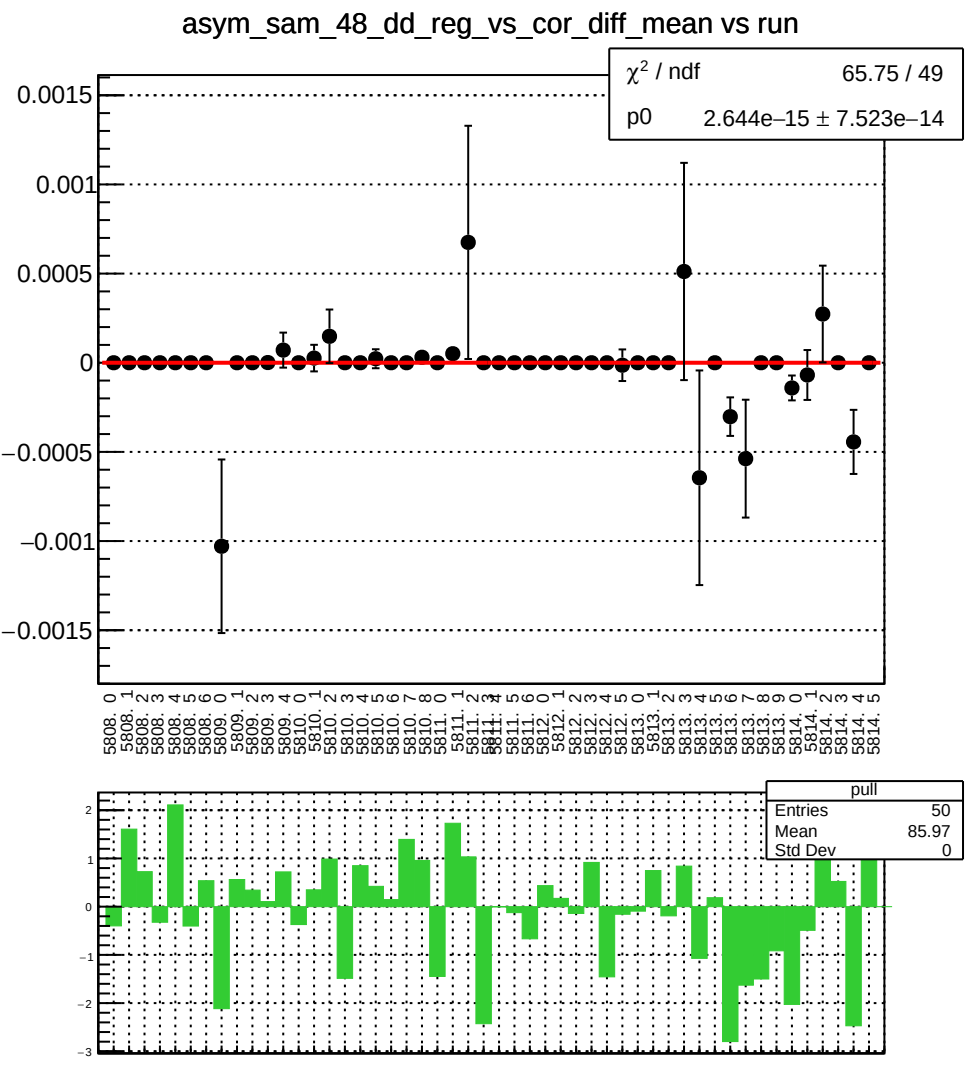

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 59.75 / 49
p0 −1498 ± 1424
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −439.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.001536
Std Dev 1.093
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

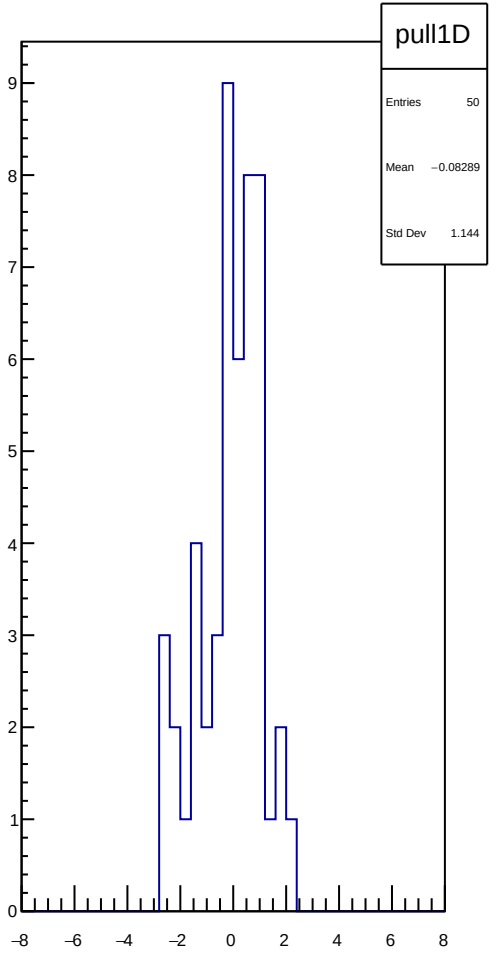

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1775 / 49
p0 981.5 ± 1.007
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

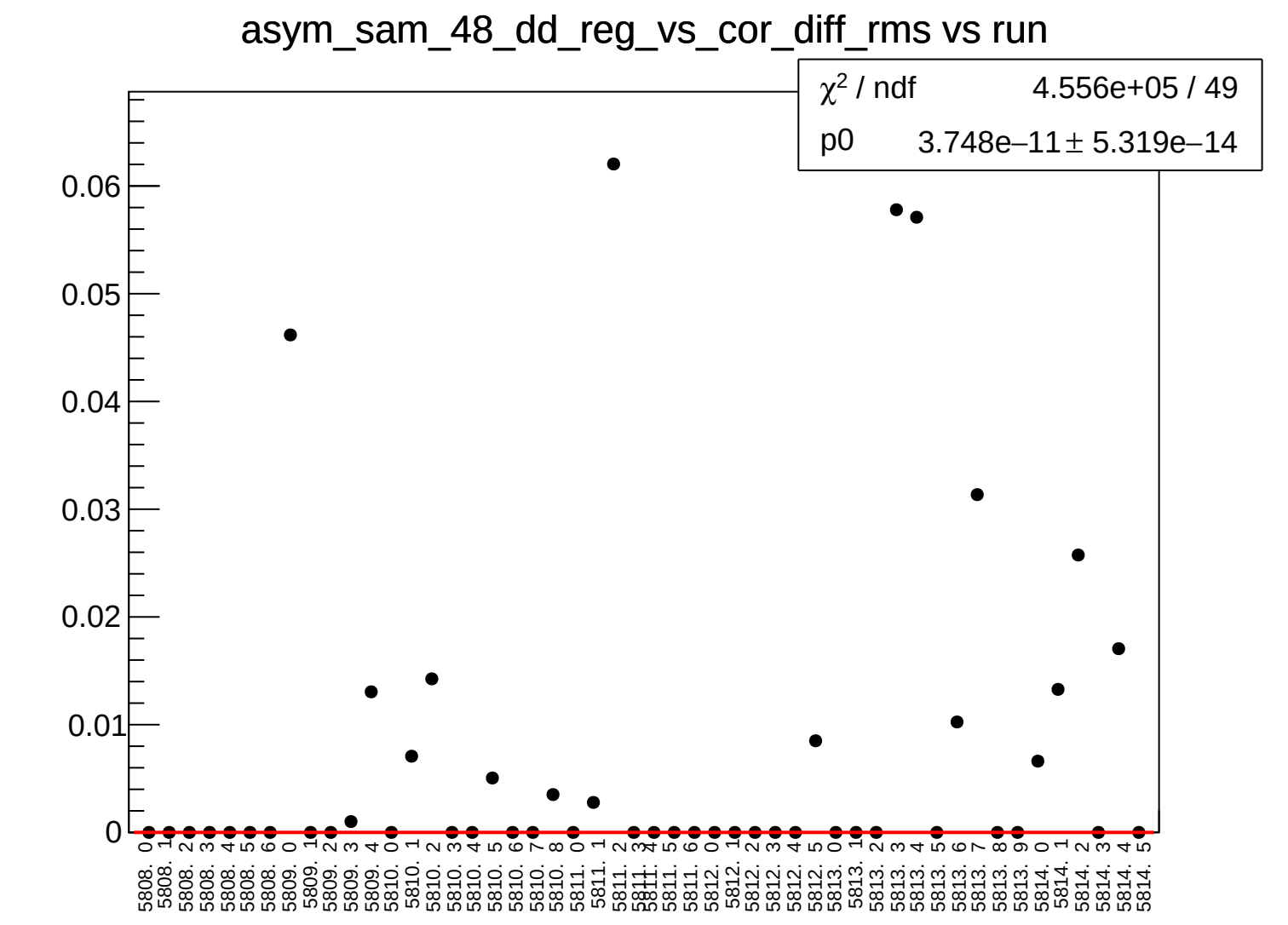

asym_sam_48_dd_mean vs run
χ² / ndf 56.68 / 49
p0 1232 ± 1415
pull
Entries 50
Mean 1006
Std Dev 0

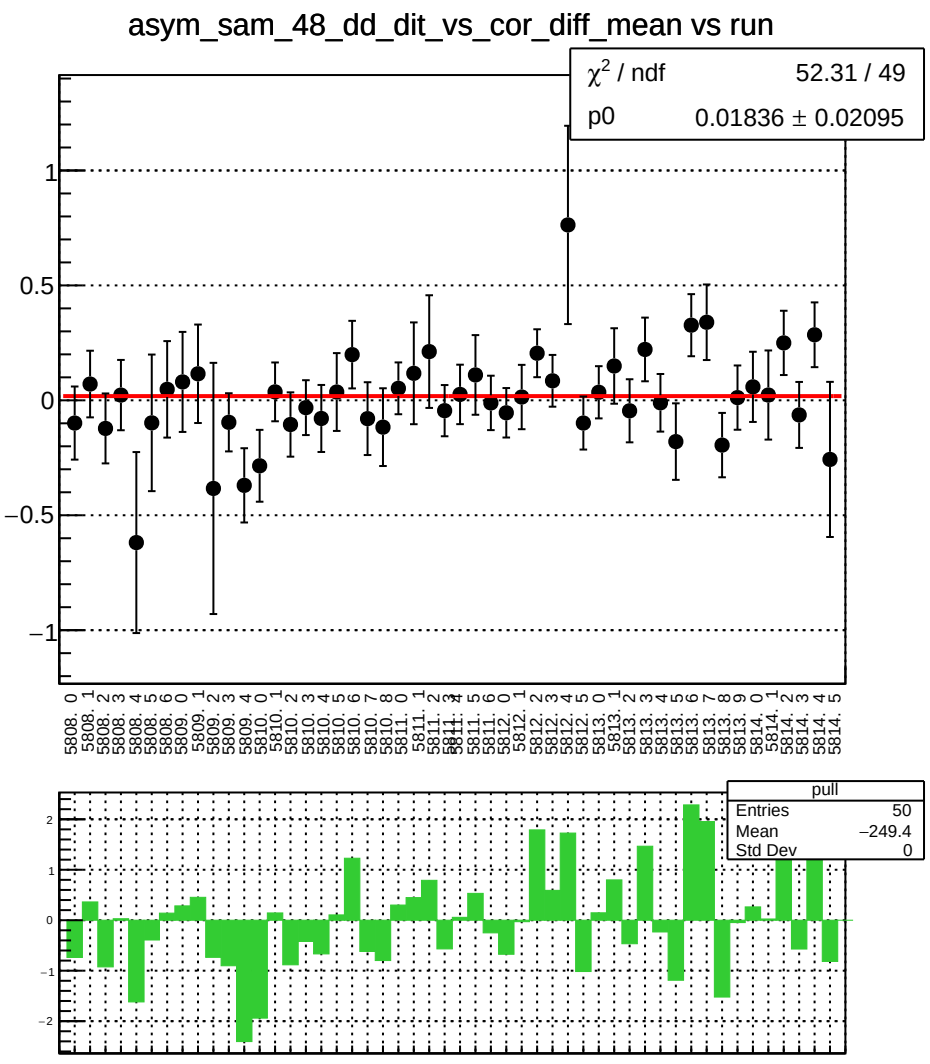

pull1D
Entries 50
Mean −0.0008805
Std Dev 1.065

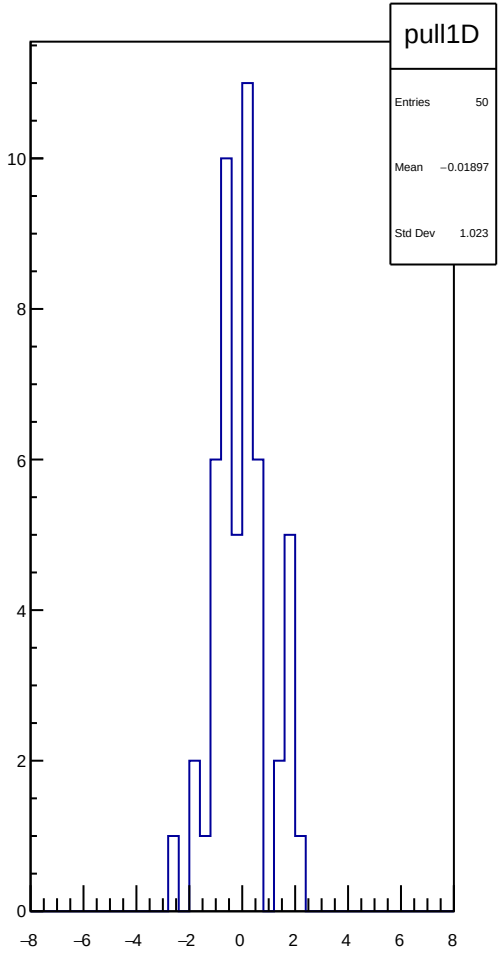

asym_sam_48_dd_rms vs run
χ² / ndf 2076 / 49
p0 974.9 ± 1
1100
1050
1000
950
900
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

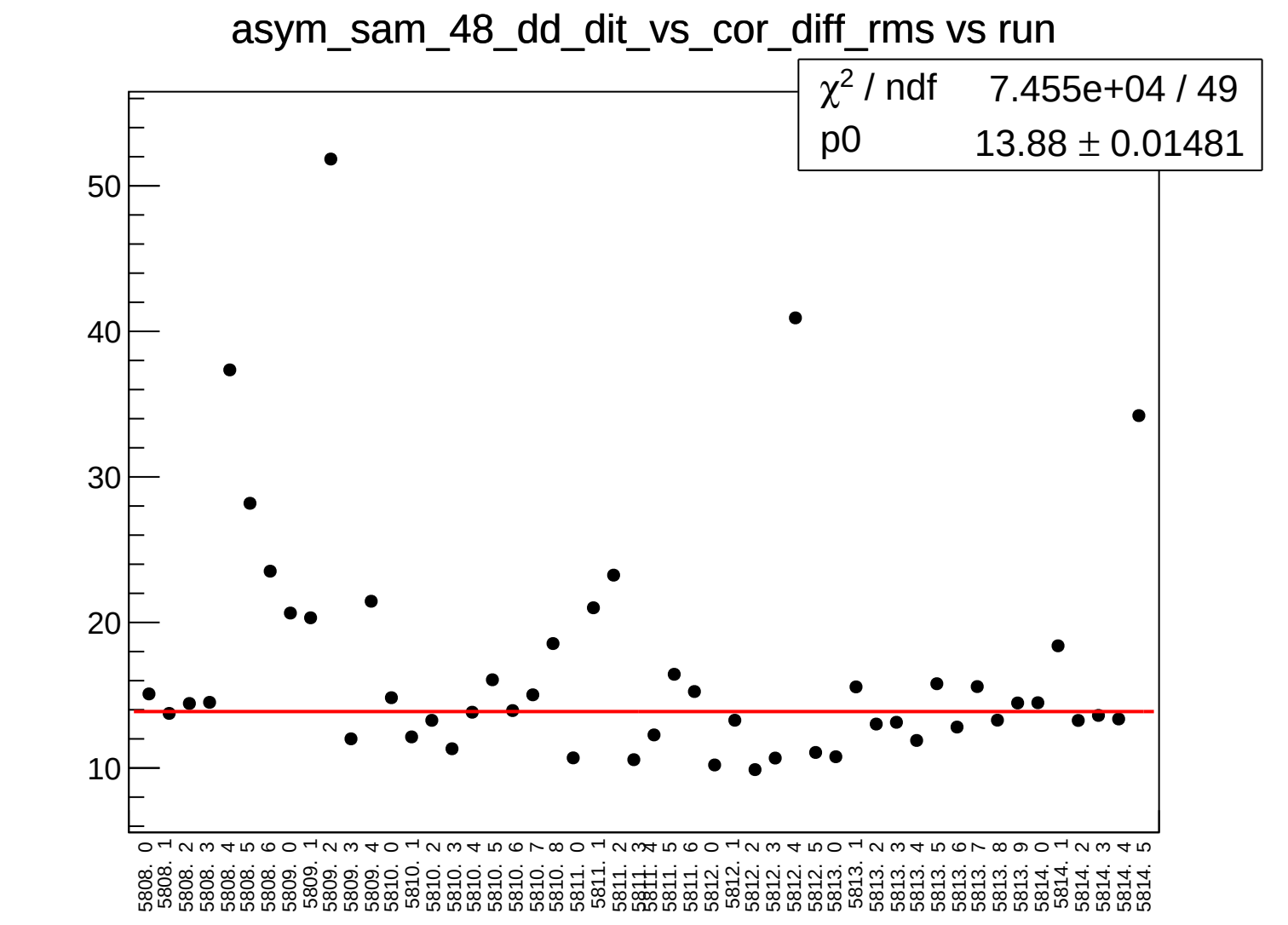

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.75 / 49
p0 2.644e−15 ± 7.523e−14
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 85.97
Std Dev 0
2
1
0
−1
−2
−3

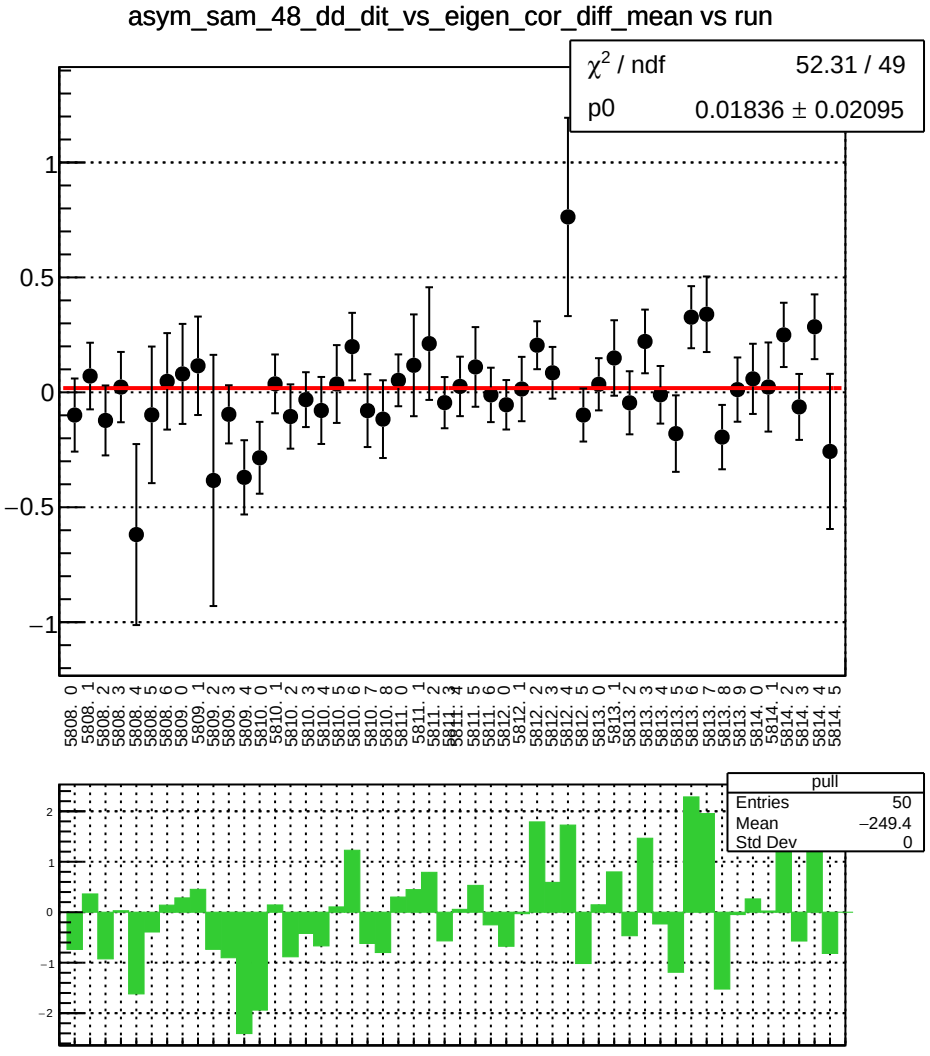

pull1D
Entries 50
Mean −0.08289
Std Dev 1.144
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

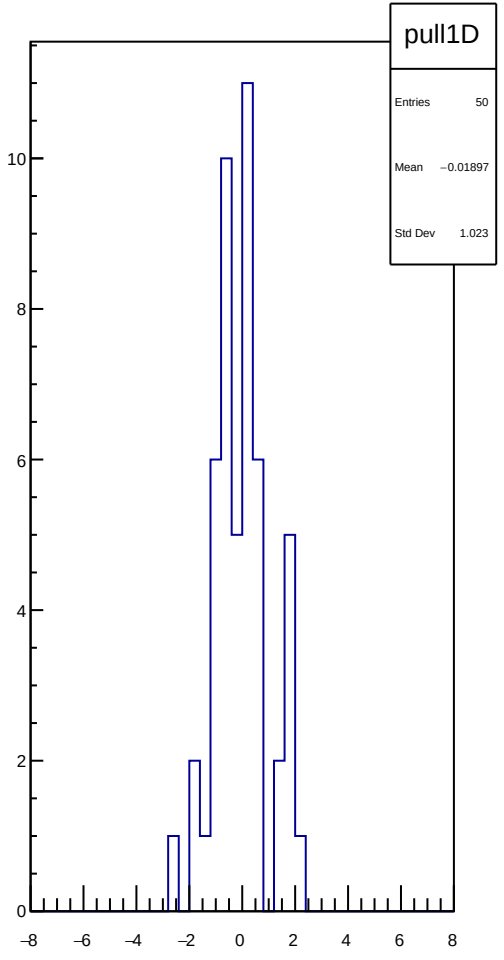

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.556e+05 / 49
p0 3.748e−11 ± 5.319e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

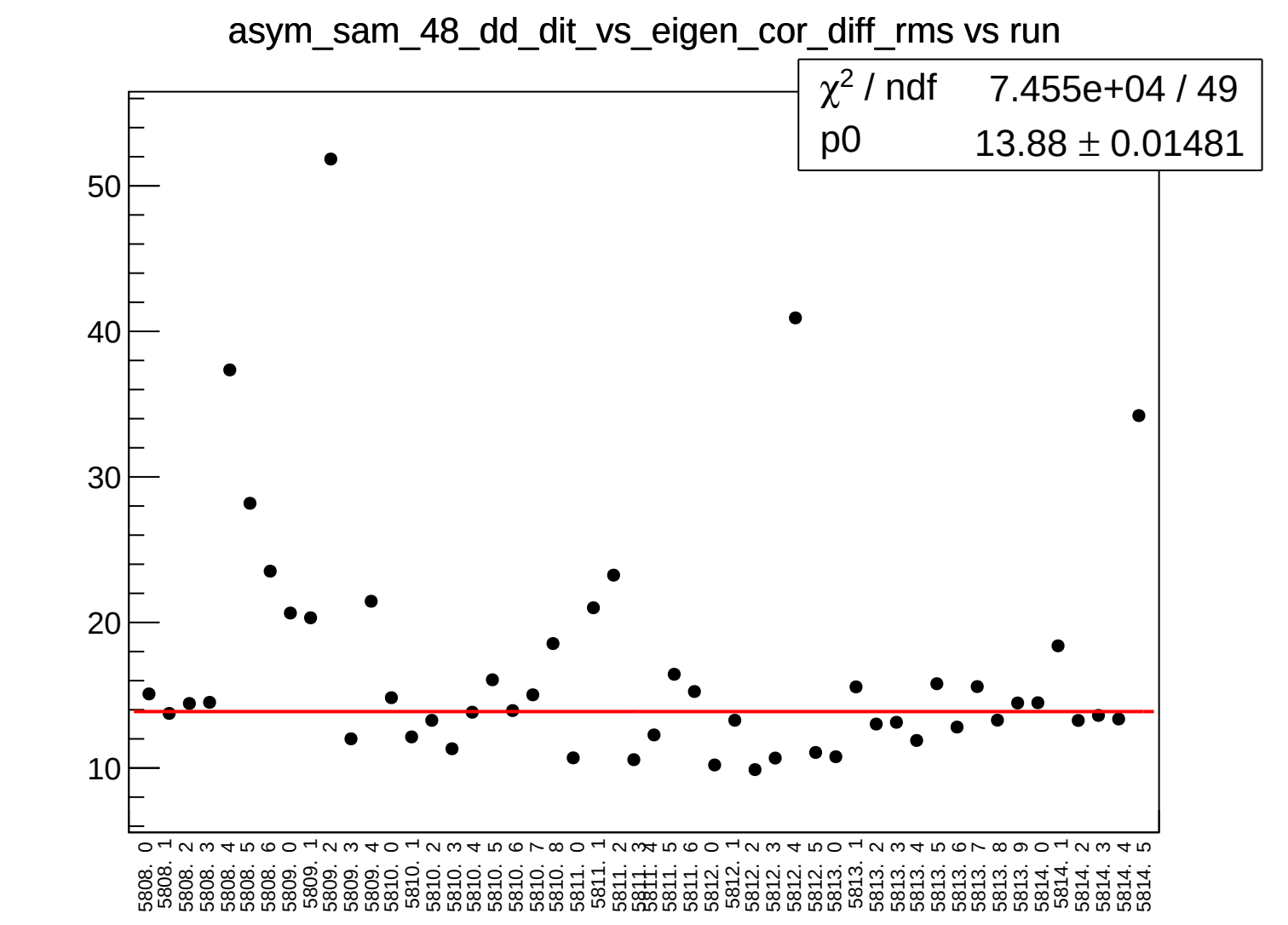

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 52.31 / 49
p0 0.01836 ± 0.02095
pull
Entries 50
Mean −249.4
Std Dev 0

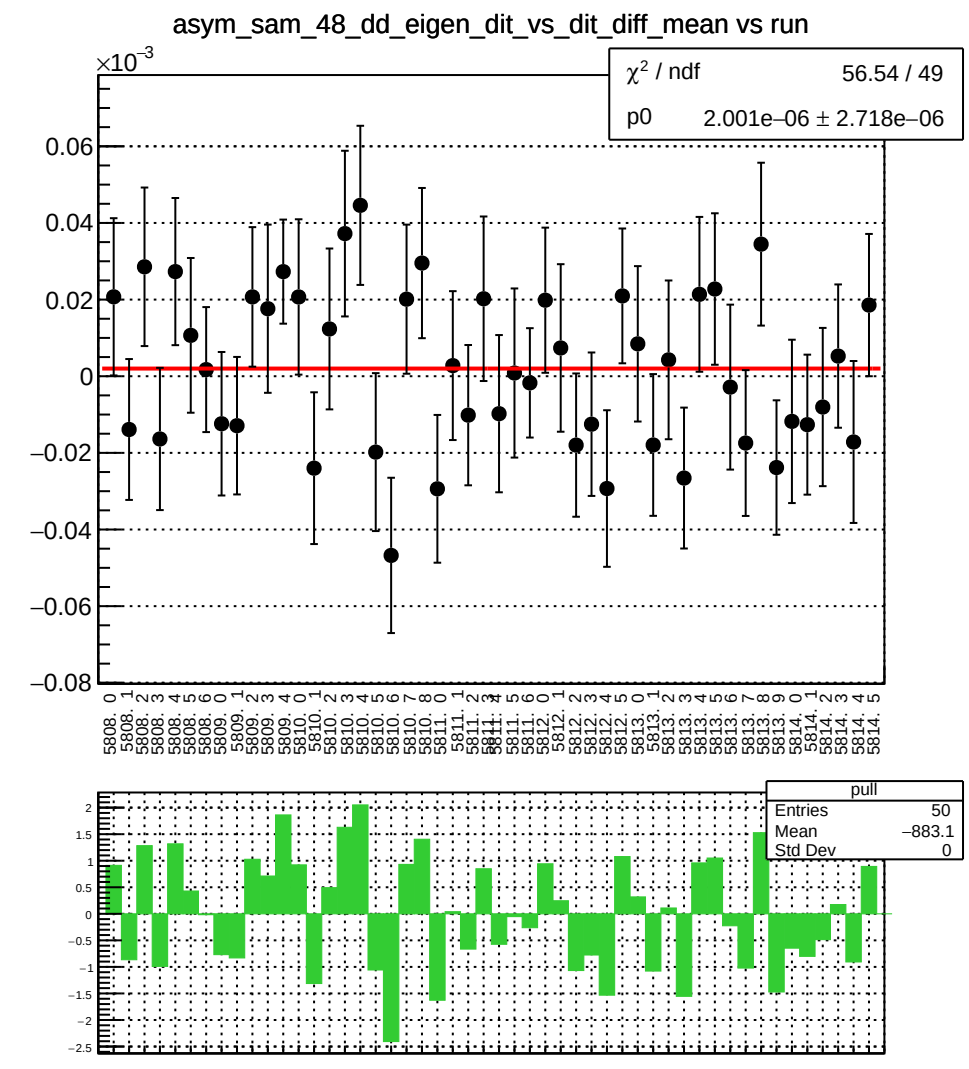

pull1D
Entries 50
Mean −0.01897
Std Dev 1.023

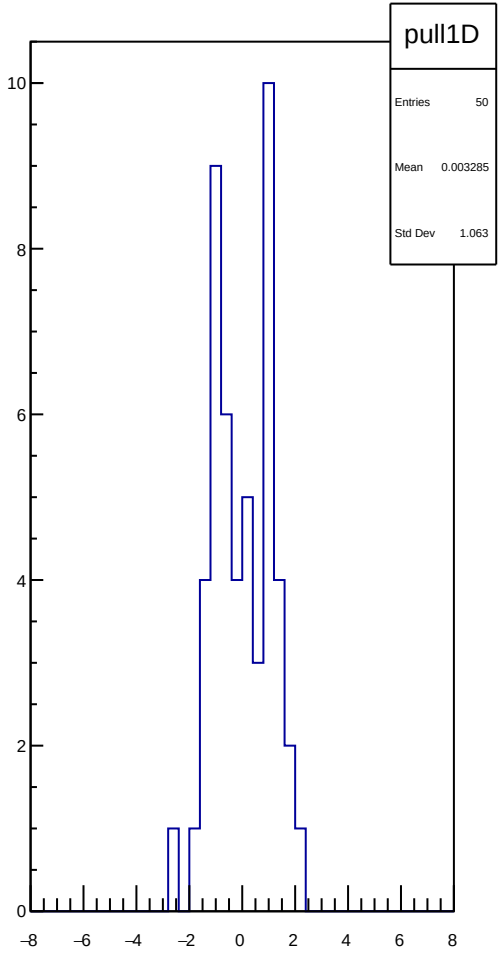

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 7.455e+04 / 49
p0 13.88 ± 0.01481
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

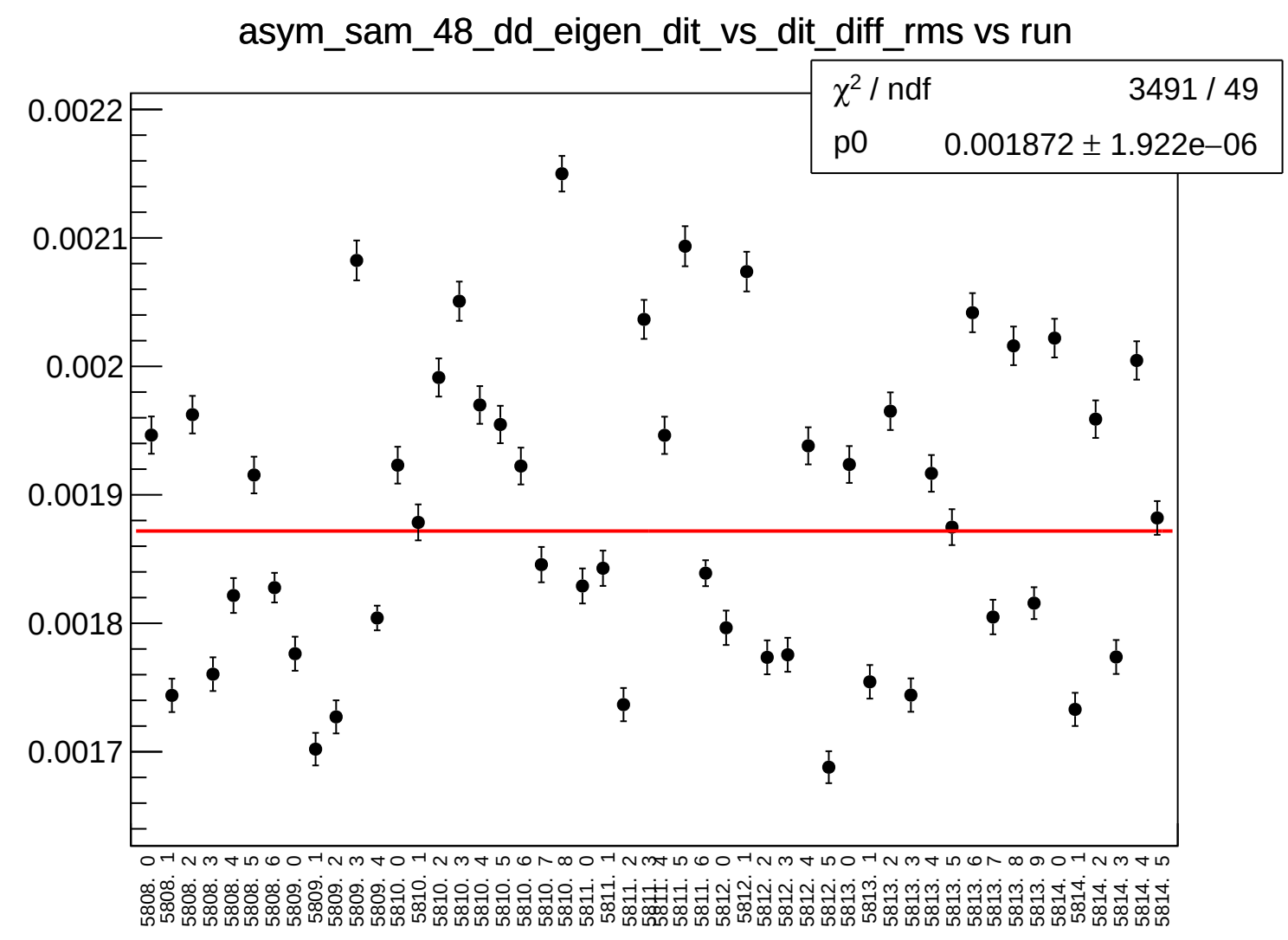

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.31 / 49
p0 0.01836 ± 0.02095
pull
Entries 50
Mean −249.4
Std Dev 0

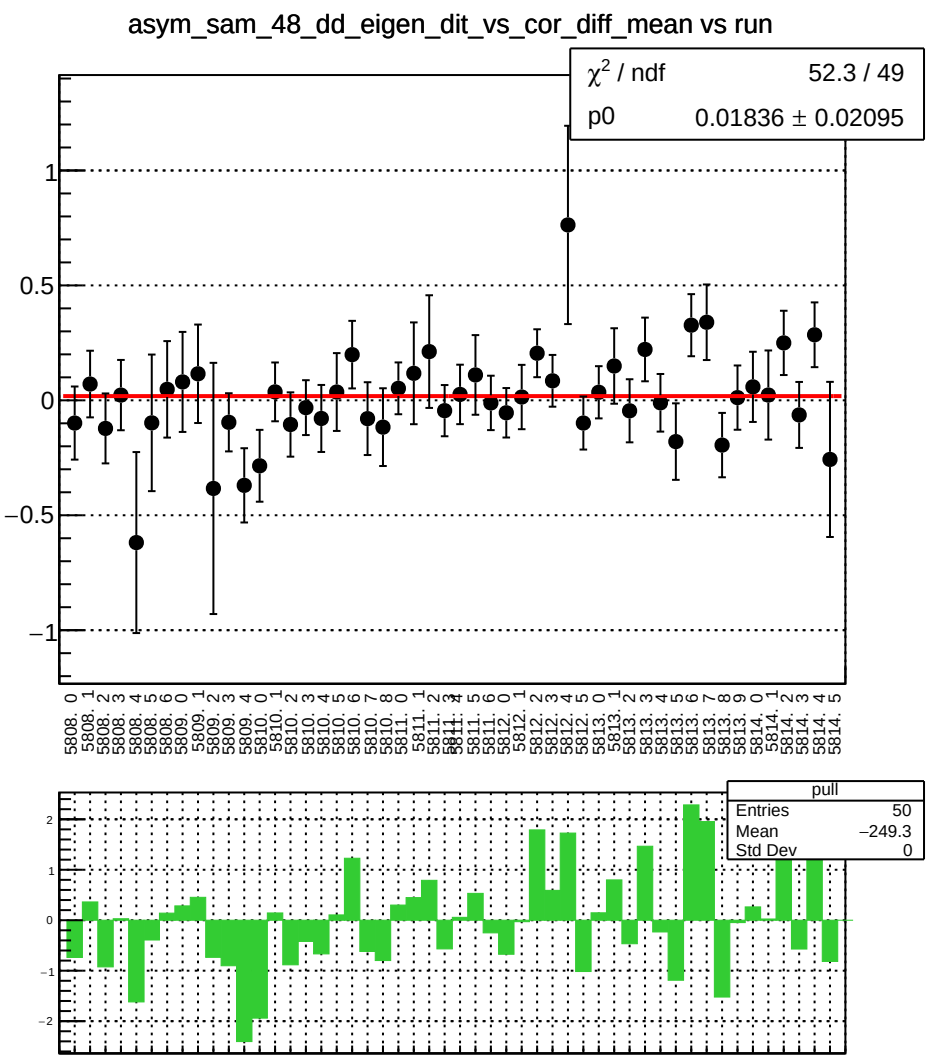

pull1D
Entries 50
Mean −0.01897
Std Dev 1.023

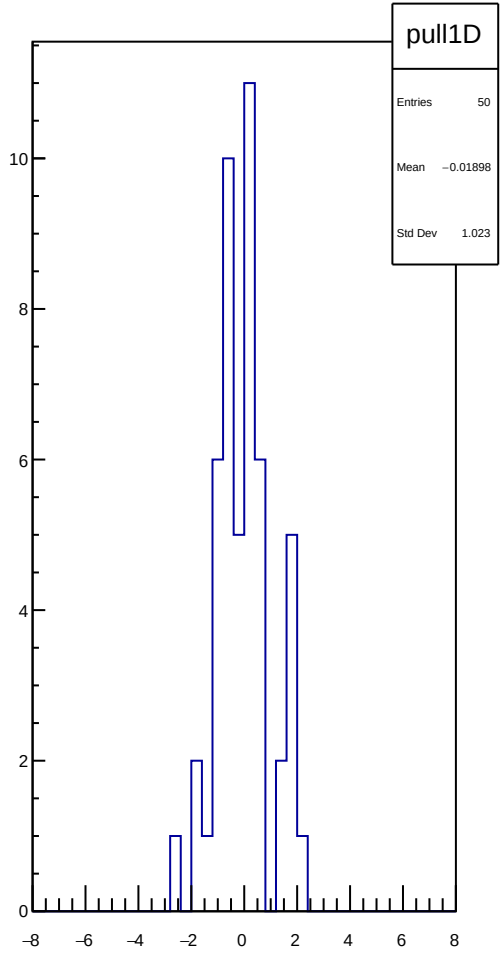

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ^2 / ndf 7.455e+04 / 49
p0 13.88 ± 0.01481
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

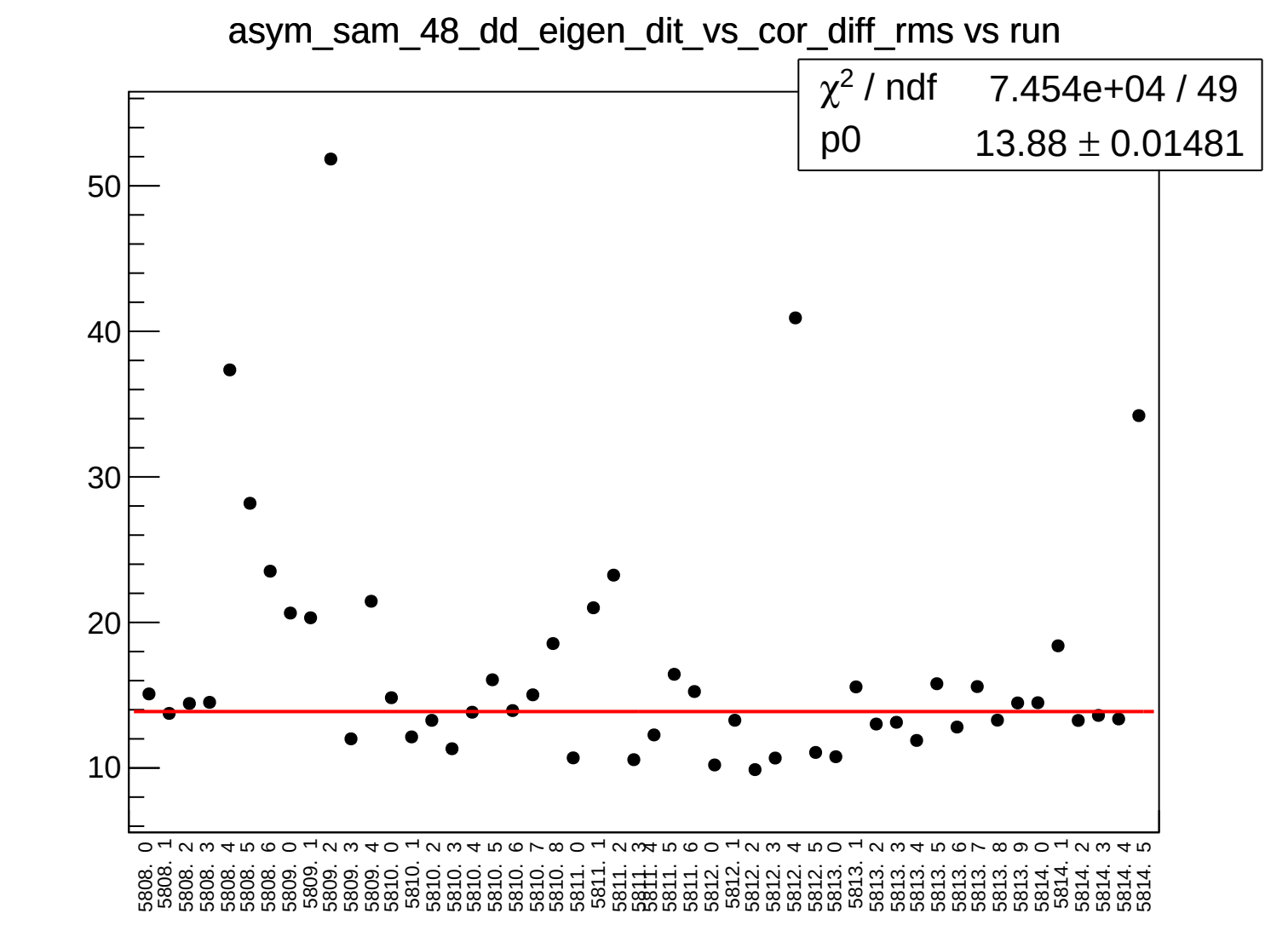

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.54 / 49
p0 2.001e−06 ± 2.718e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −883.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

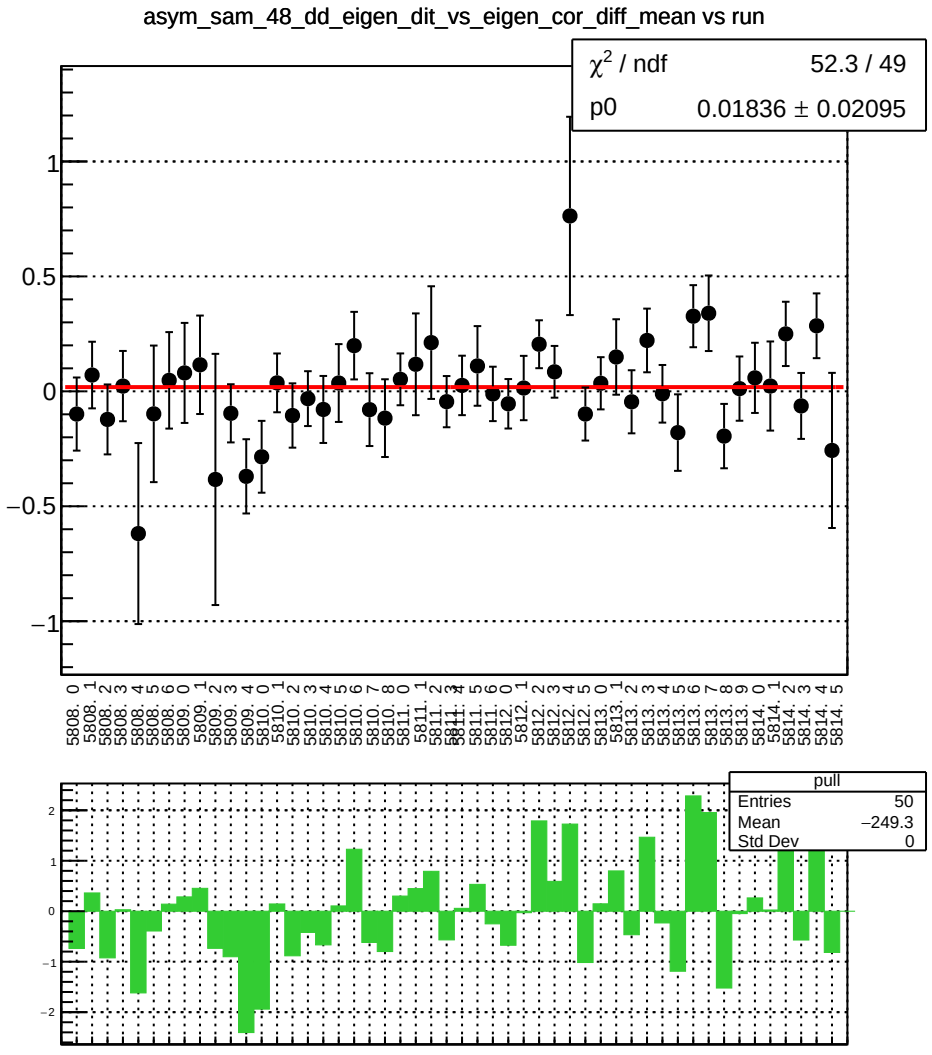

pull1D
Entries 50
Mean 0.003285
Std Dev 1.063
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

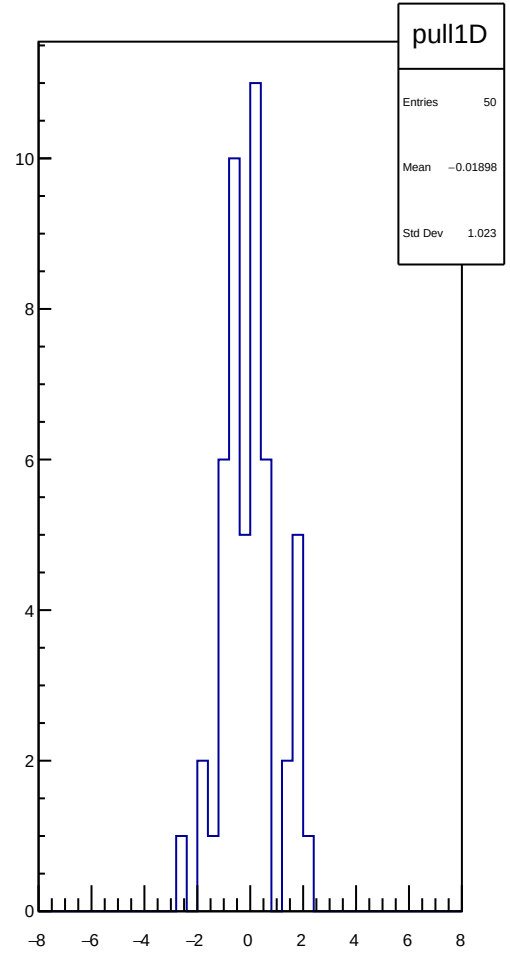

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3491 / 49
p0 0.001872 ± 1.922e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

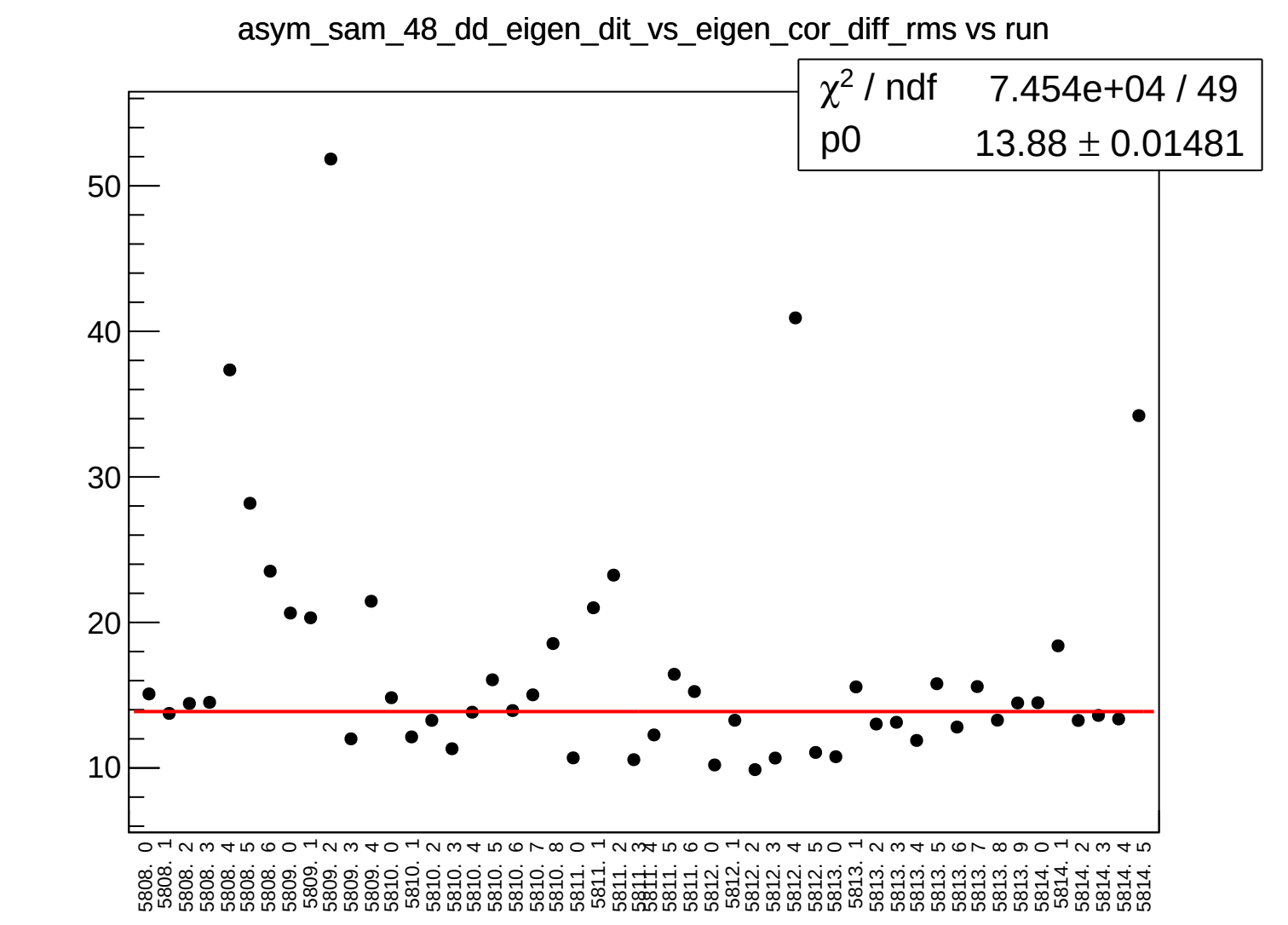

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 52.3 / 49
p0 0.01836 ± 0.02095
pull
Entries 50
Mean −249.3
Std Dev 0

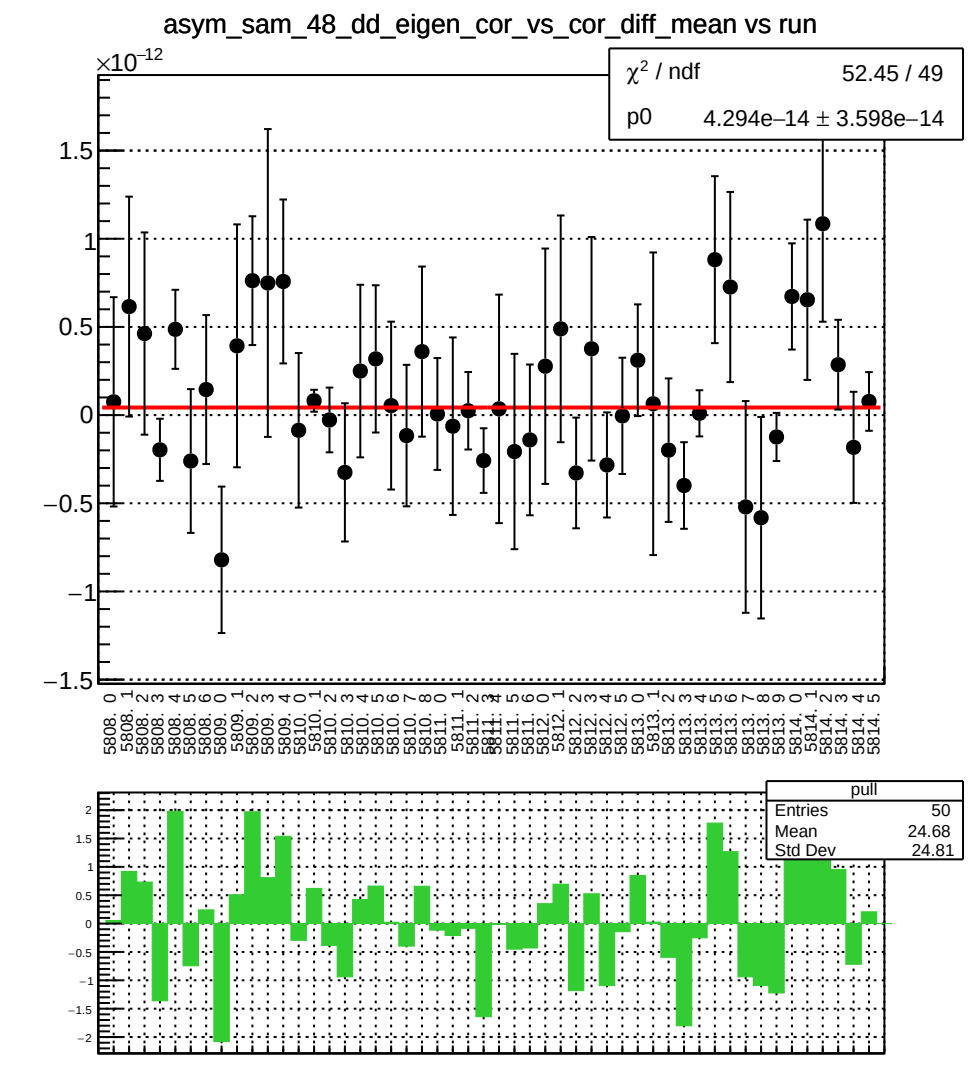

pull1D
Entries 50
Mean −0.01898
Std Dev 1.023

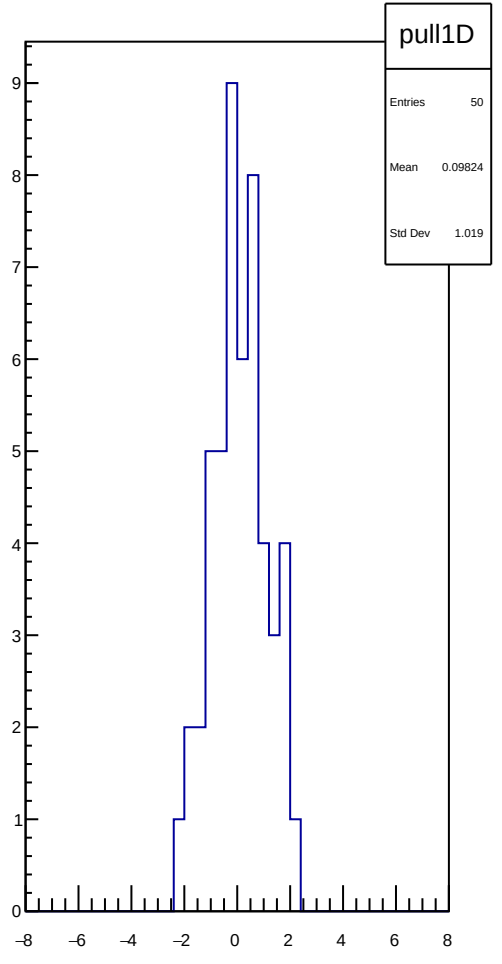

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.454e+04 / 49
p0 13.88 ± 0.01481
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

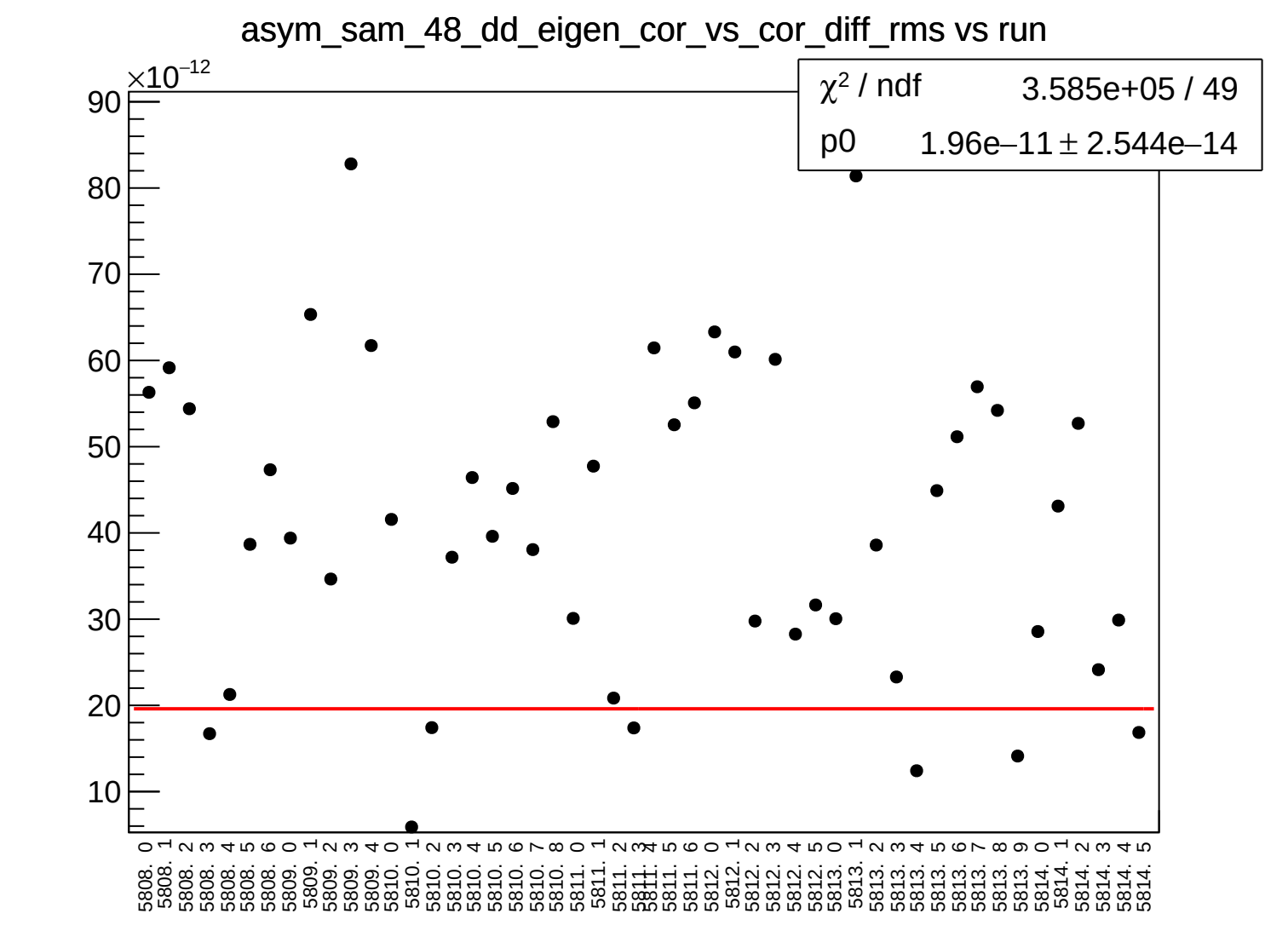

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 52.3 / 49
p0 0.01836 ± 0.02095
pull
Entries 50
Mean −249.3
Std Dev 0

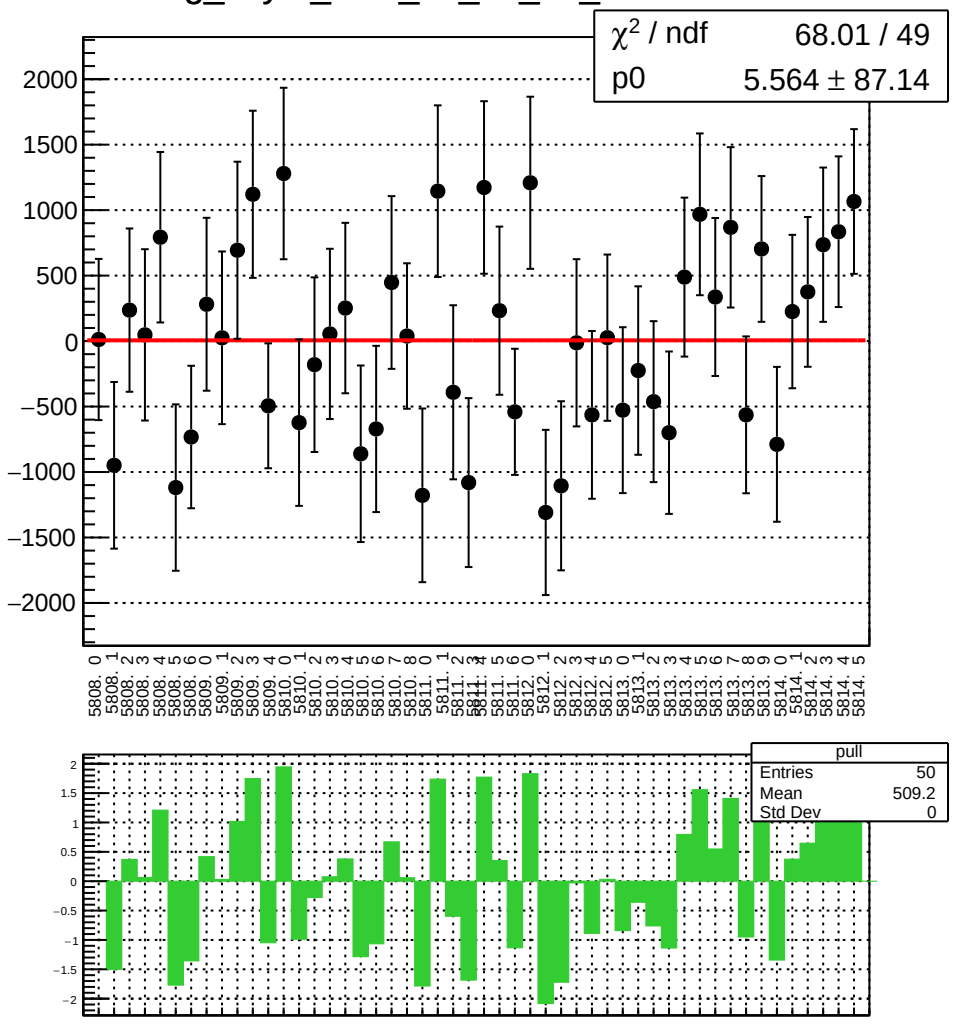

pull1D
Entries 50
Mean −0.01898
Std Dev 1.023

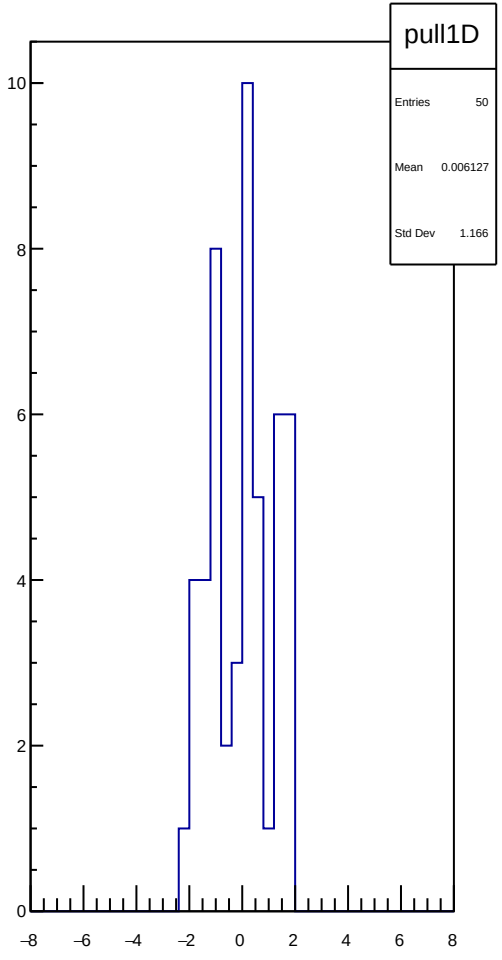

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.454e+04 / 49
p0 13.88 ± 0.01481
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

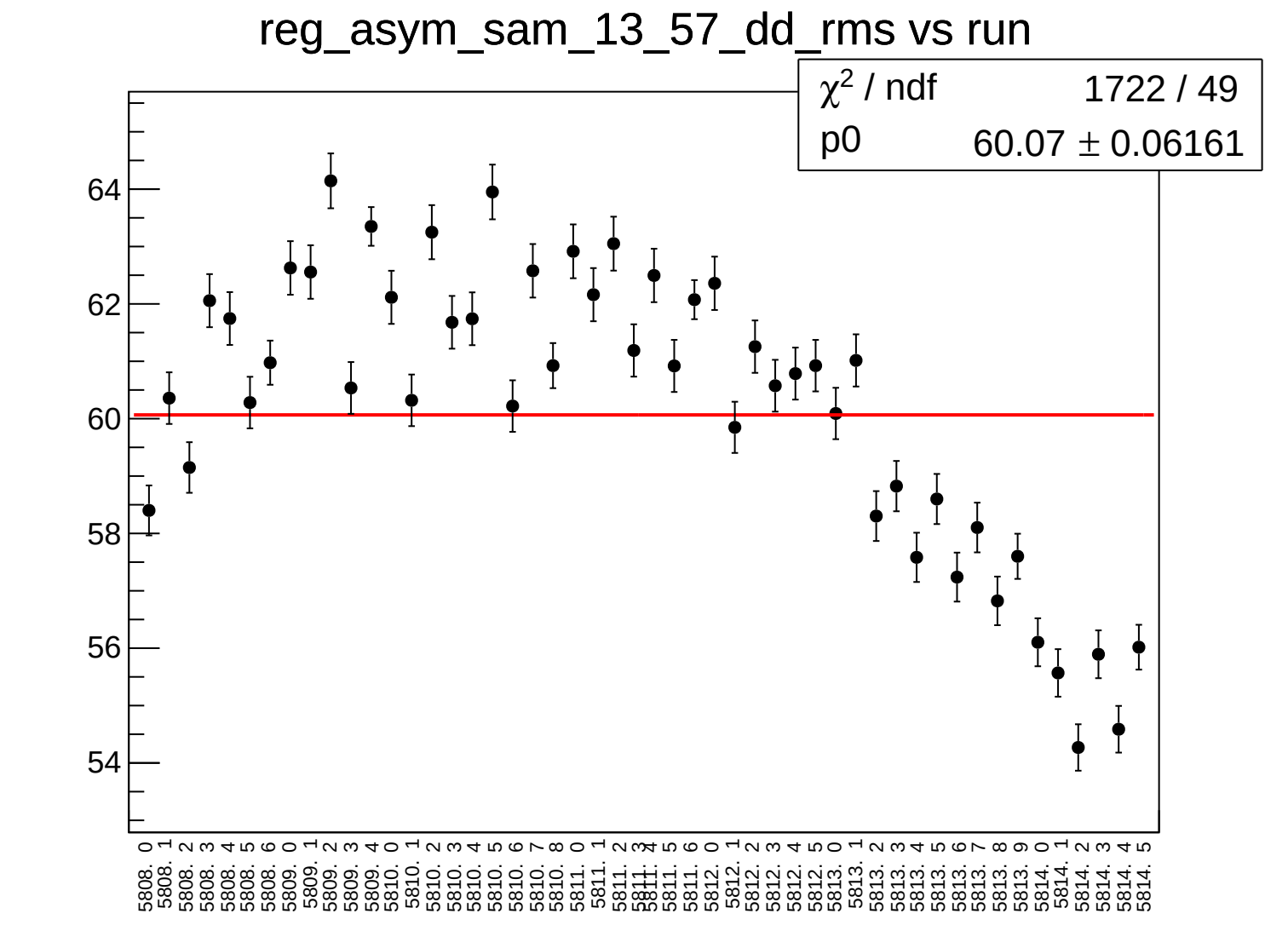

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.45 / 49
p0 4.294e−14 ± 3.598e−14
pull
Entries 50
Mean 24.68
Std Dev 24.81

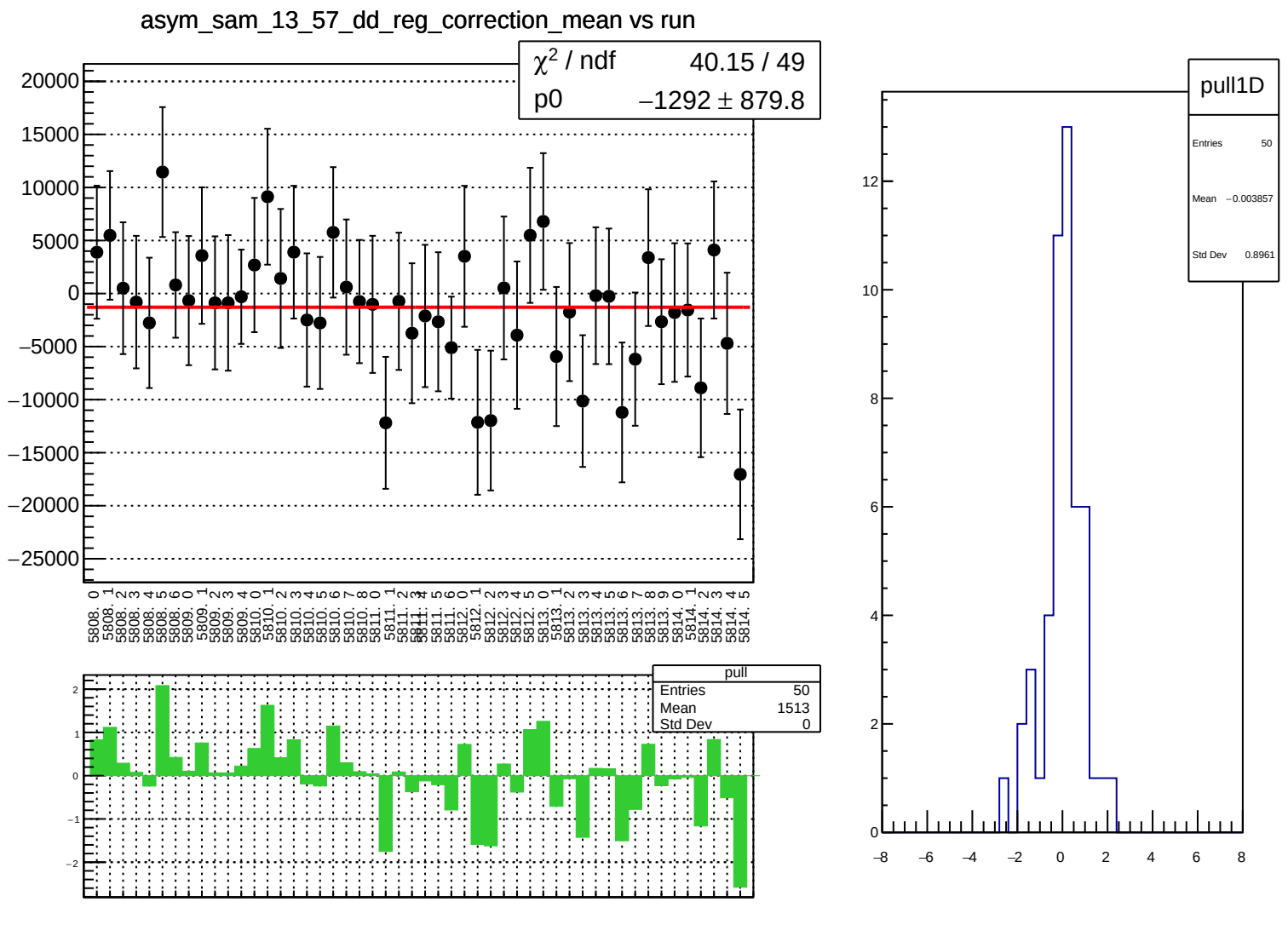

pull1D
Entries 50
Mean 0.09824
Std Dev 1.019

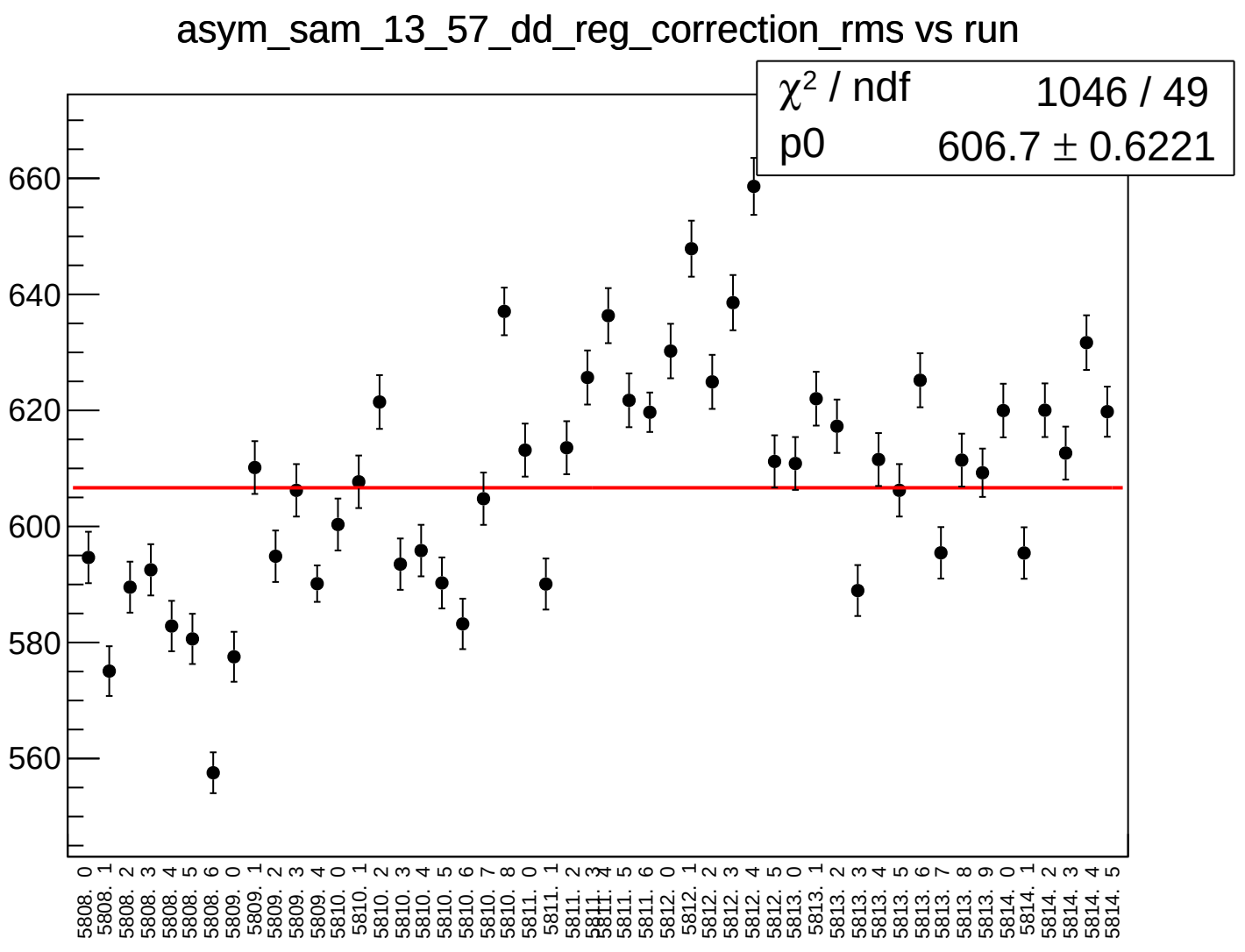

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.585e+05 / 49
p0 1.96e−11 ± 2.544e−14
90
80
70
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

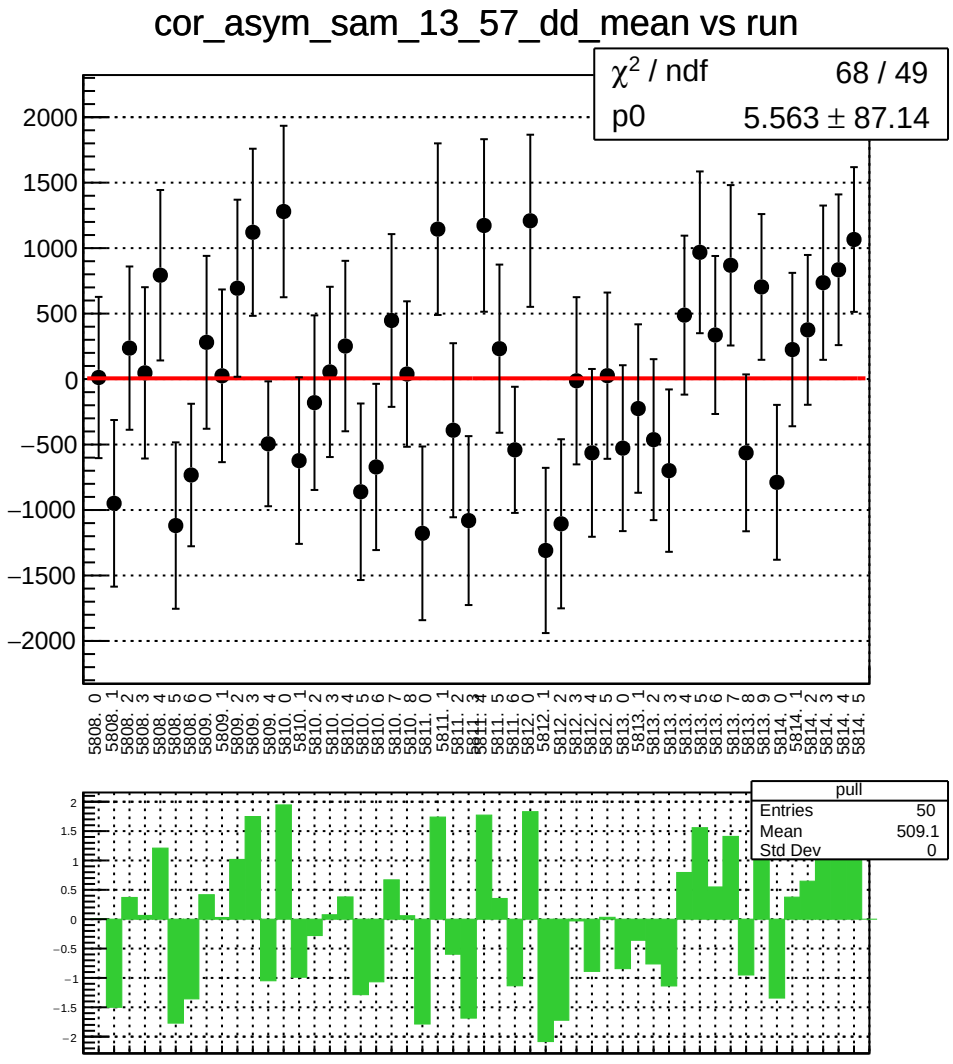

reg_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 68.01 / 49
p0 5.564 ± 87.14
pull
Entries 50
Mean 509.2
Std Dev 0

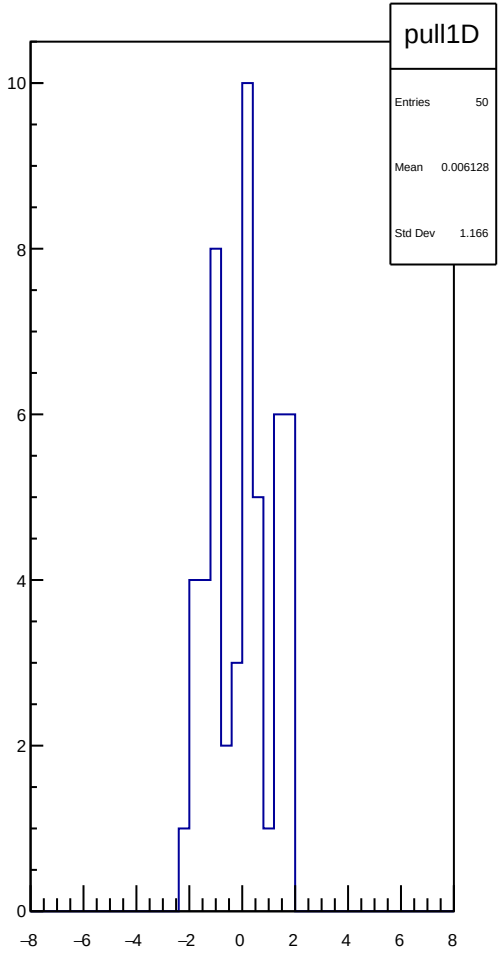

pull1D
Entries 50
Mean 0.006127
Std Dev 1.166

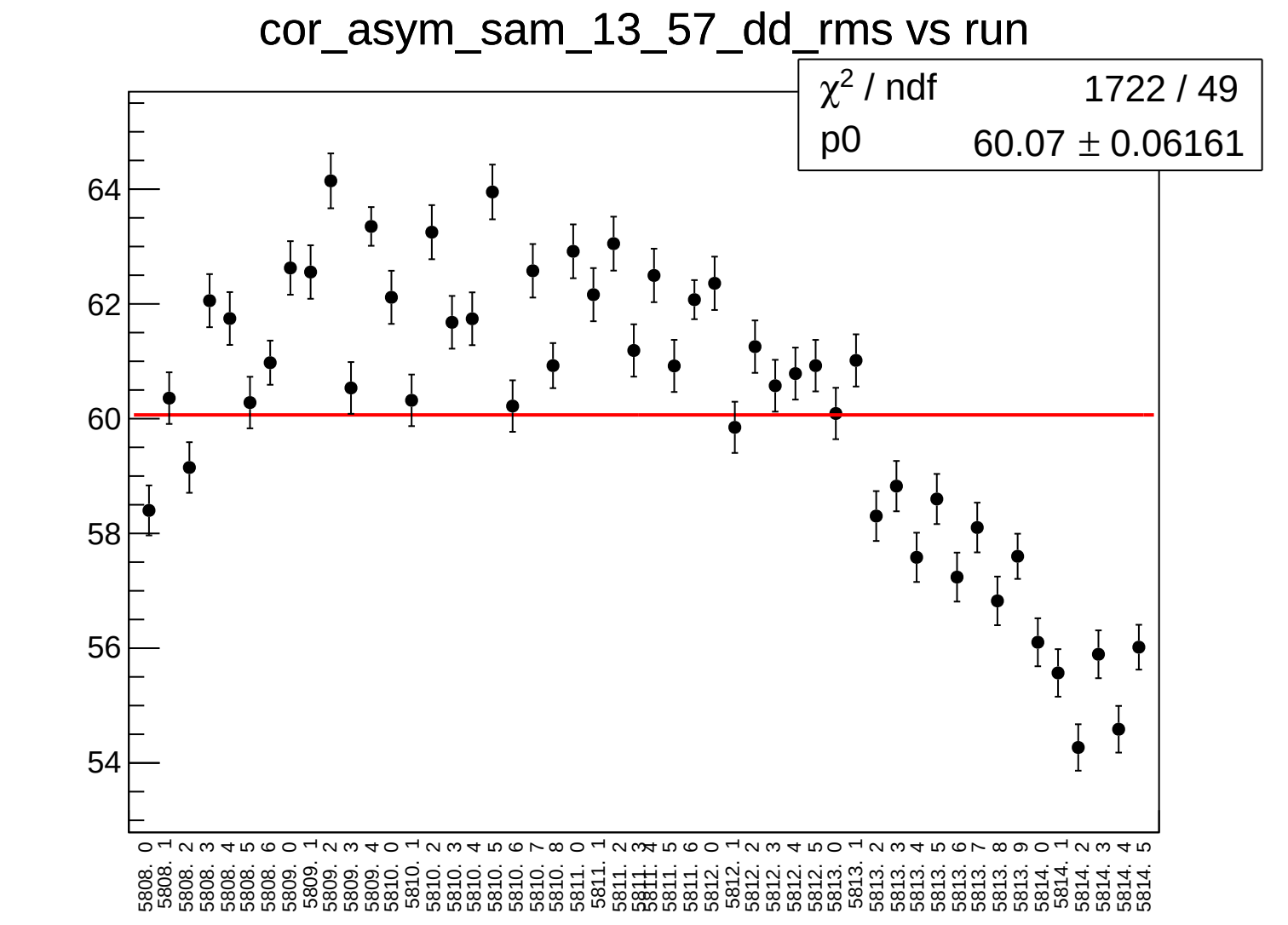

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1722 / 49
p0 60.07 ± 0.06161
64
62
60
58
56
54
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

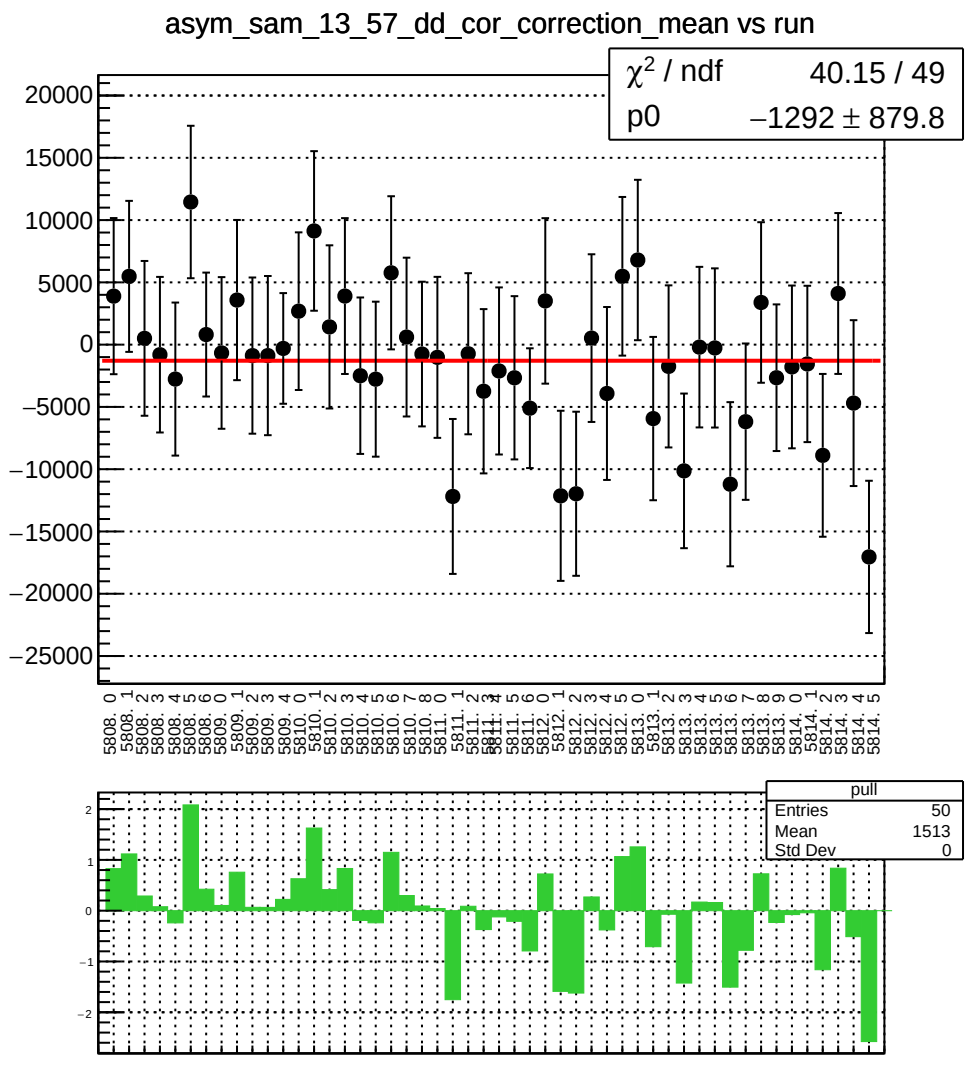

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 40.15 / 49
p0 −1292 ± 879.8
pull
Entries 50
Mean 1513
Std Dev 0
pull1D
Entries 50
Mean −0.003857
Std Dev 0.8961

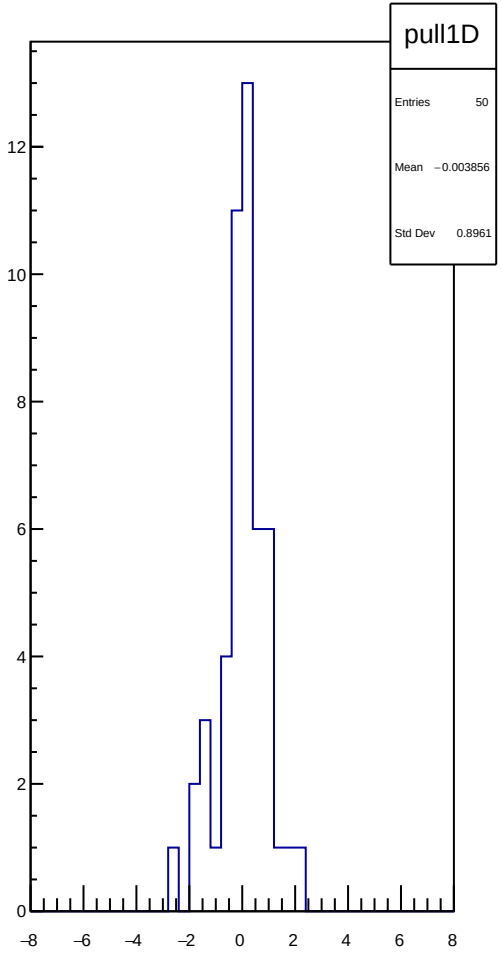

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 1046 / 49
p0 606.7 ± 0.6221
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

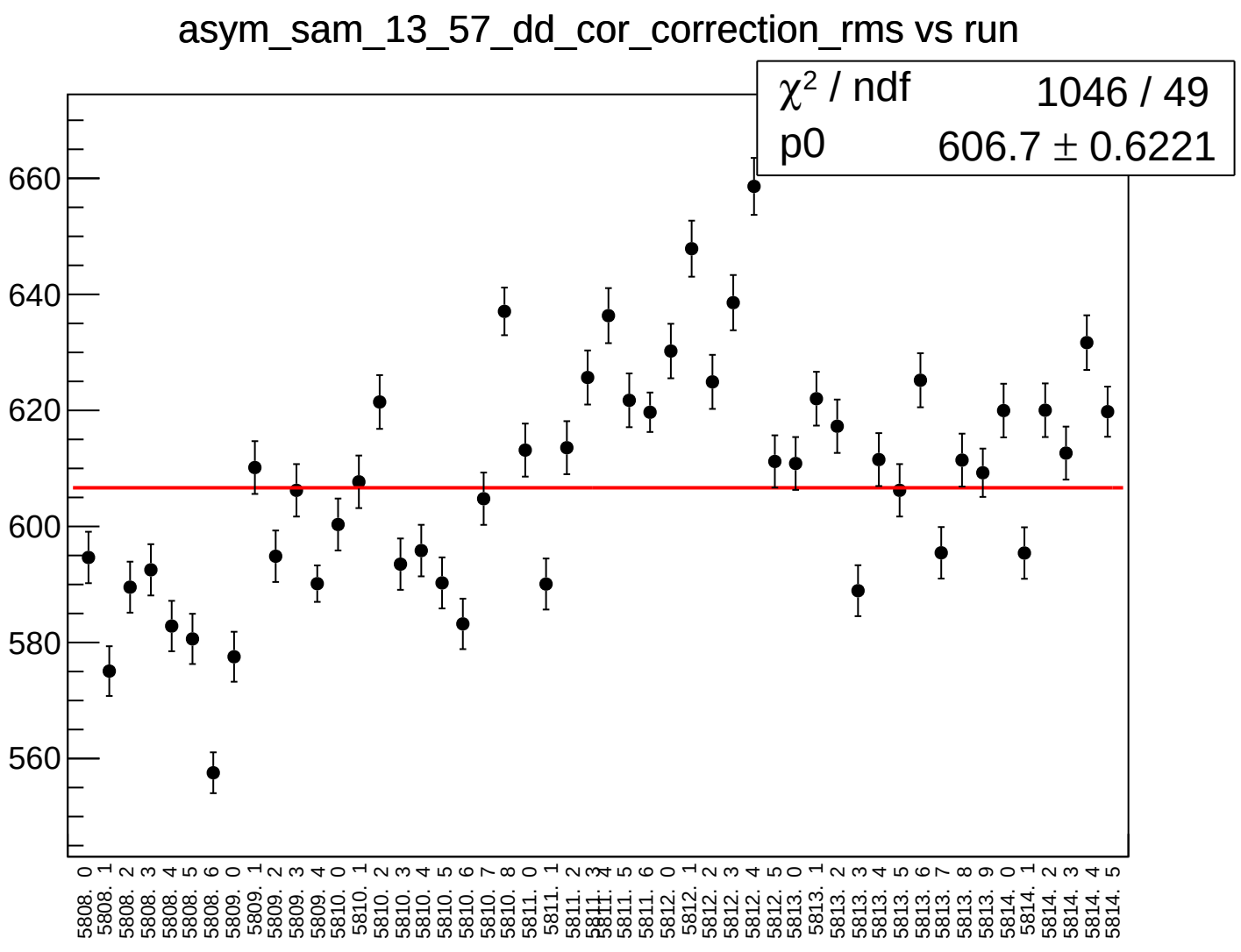

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 68 / 49
p0 5.563 ± 87.14
pull
Entries 50
Mean 509.1
Std Dev 0

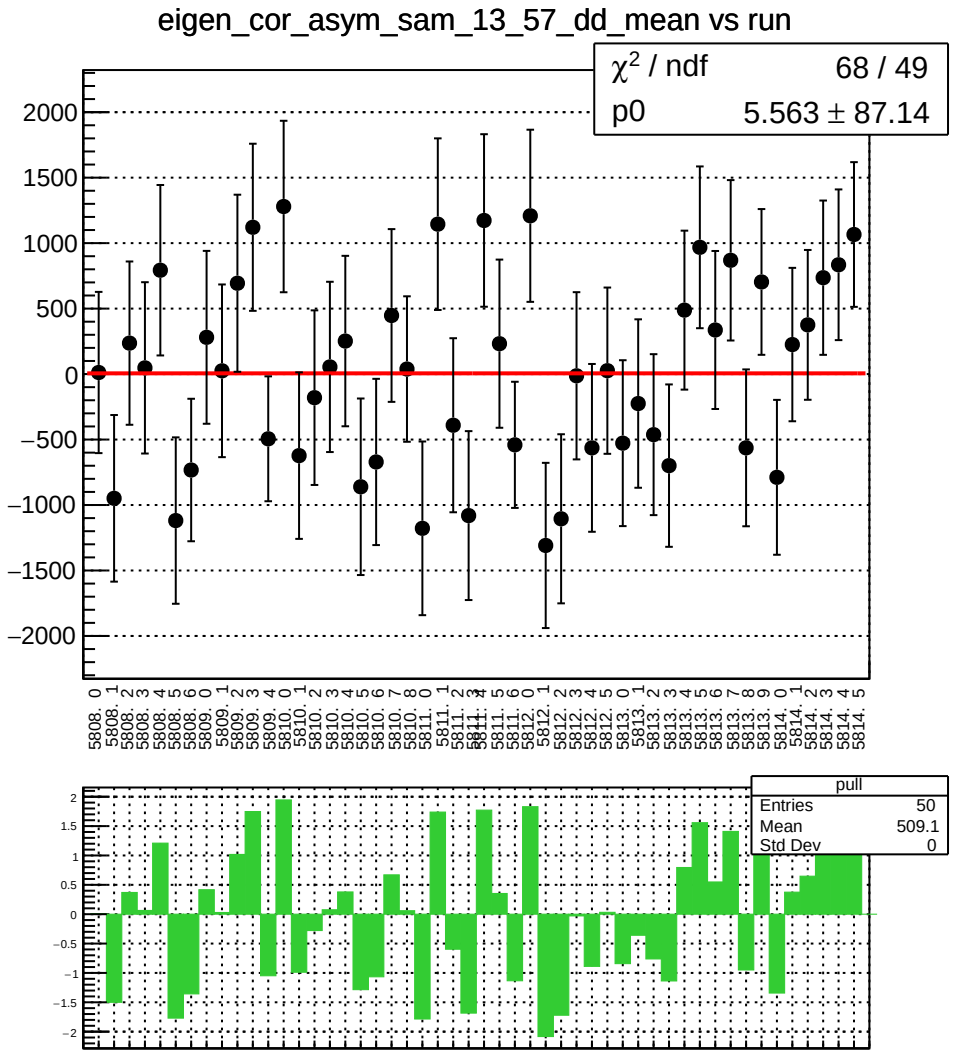

pull1D
Entries 50
Mean 0.006128
Std Dev 1.166

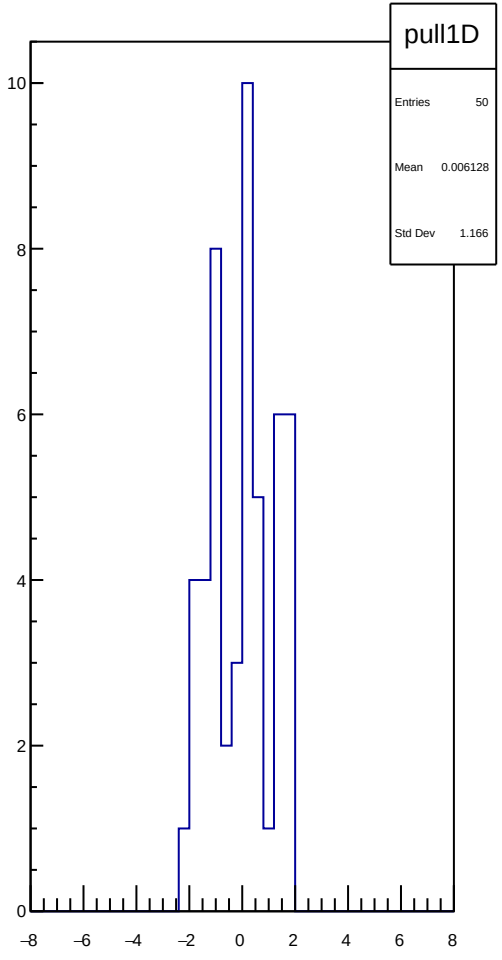

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1722 / 49
p0 60.07 ± 0.06161
64
62
60
58
56
54
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

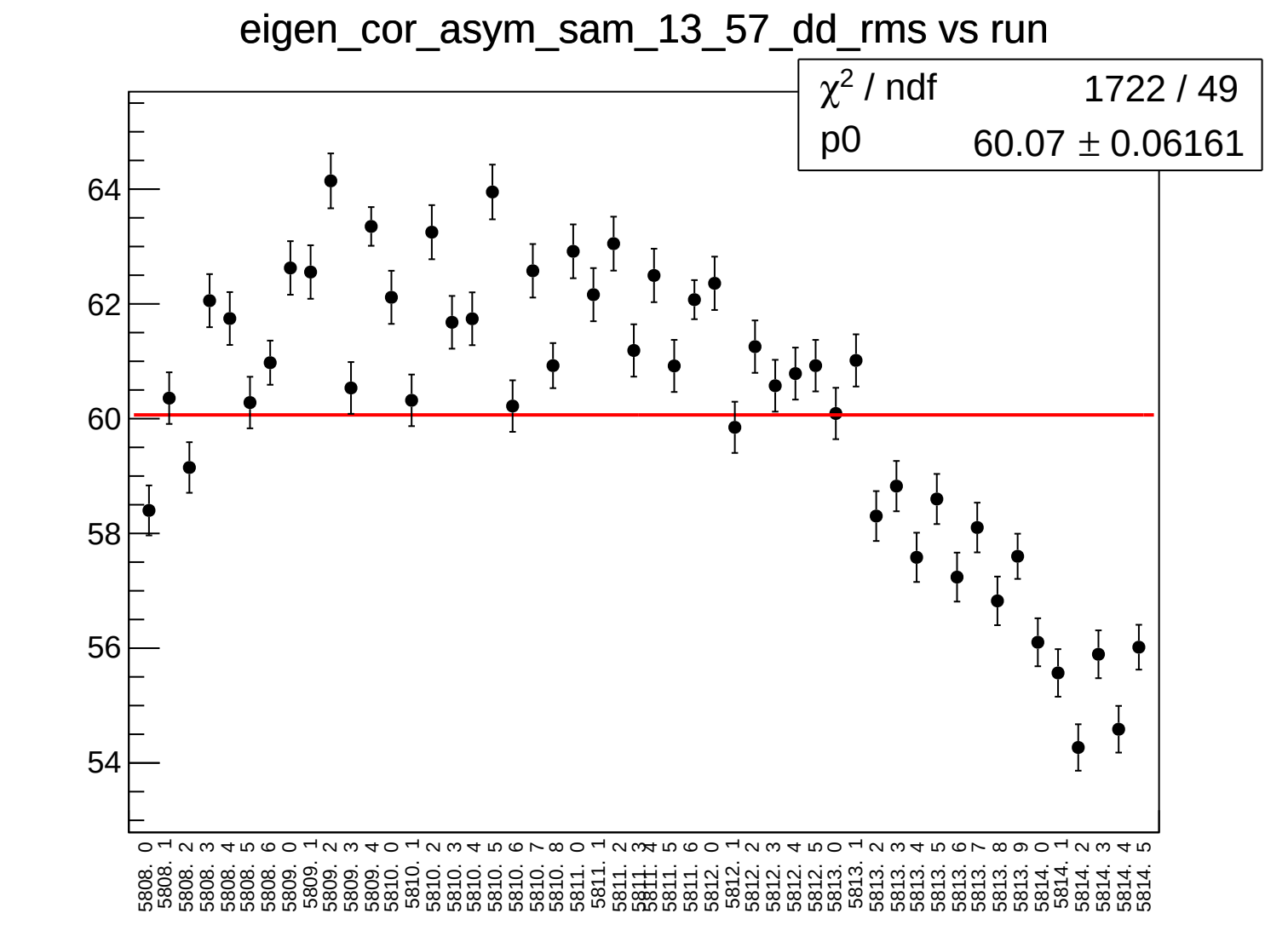

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 40.15 / 49
p0 −1292 ± 879.8
pull
Entries 50
Mean 1513
Std Dev 0

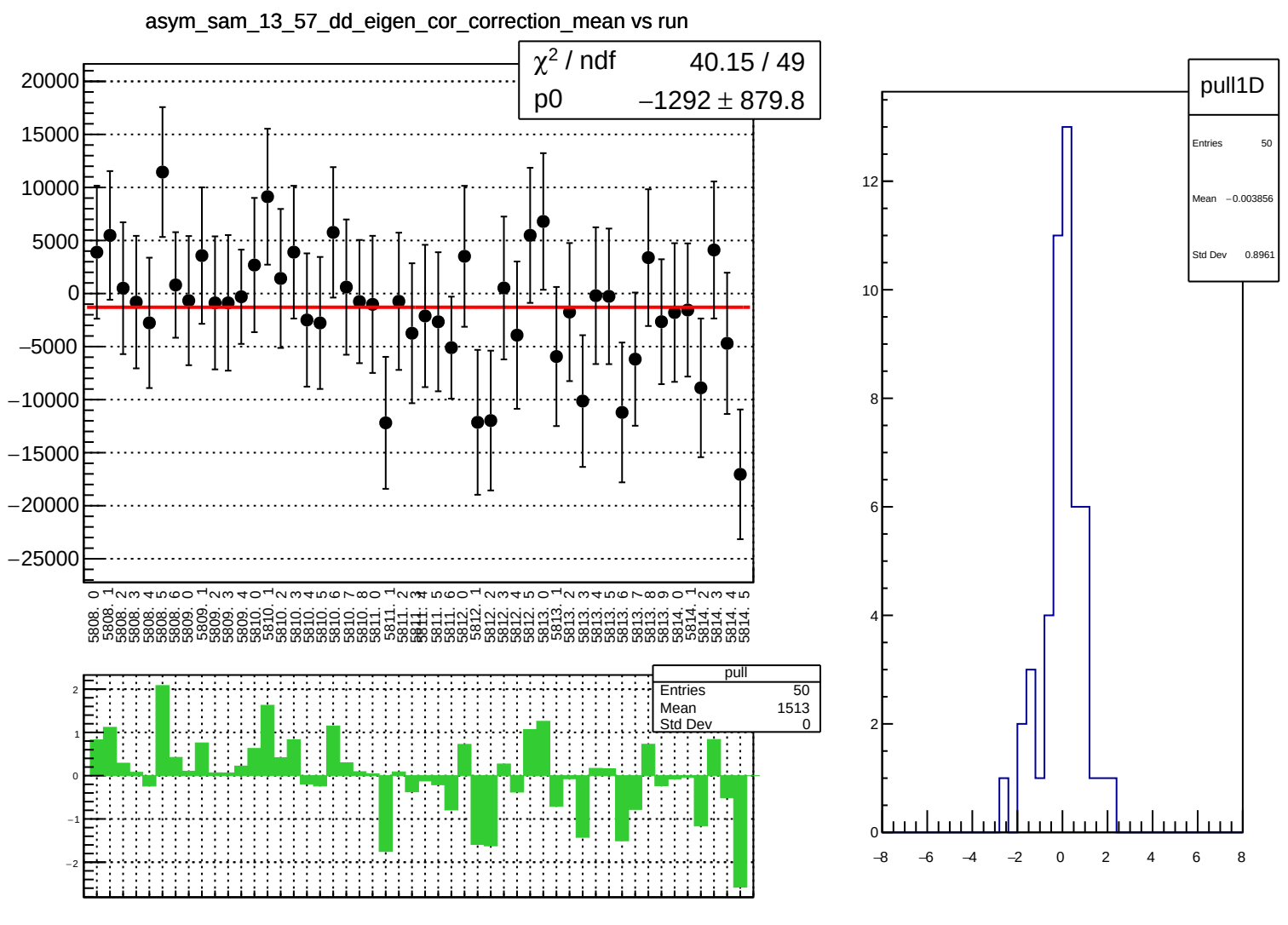

pull1D
Entries 50
Mean −0.003856
Std Dev 0.8961

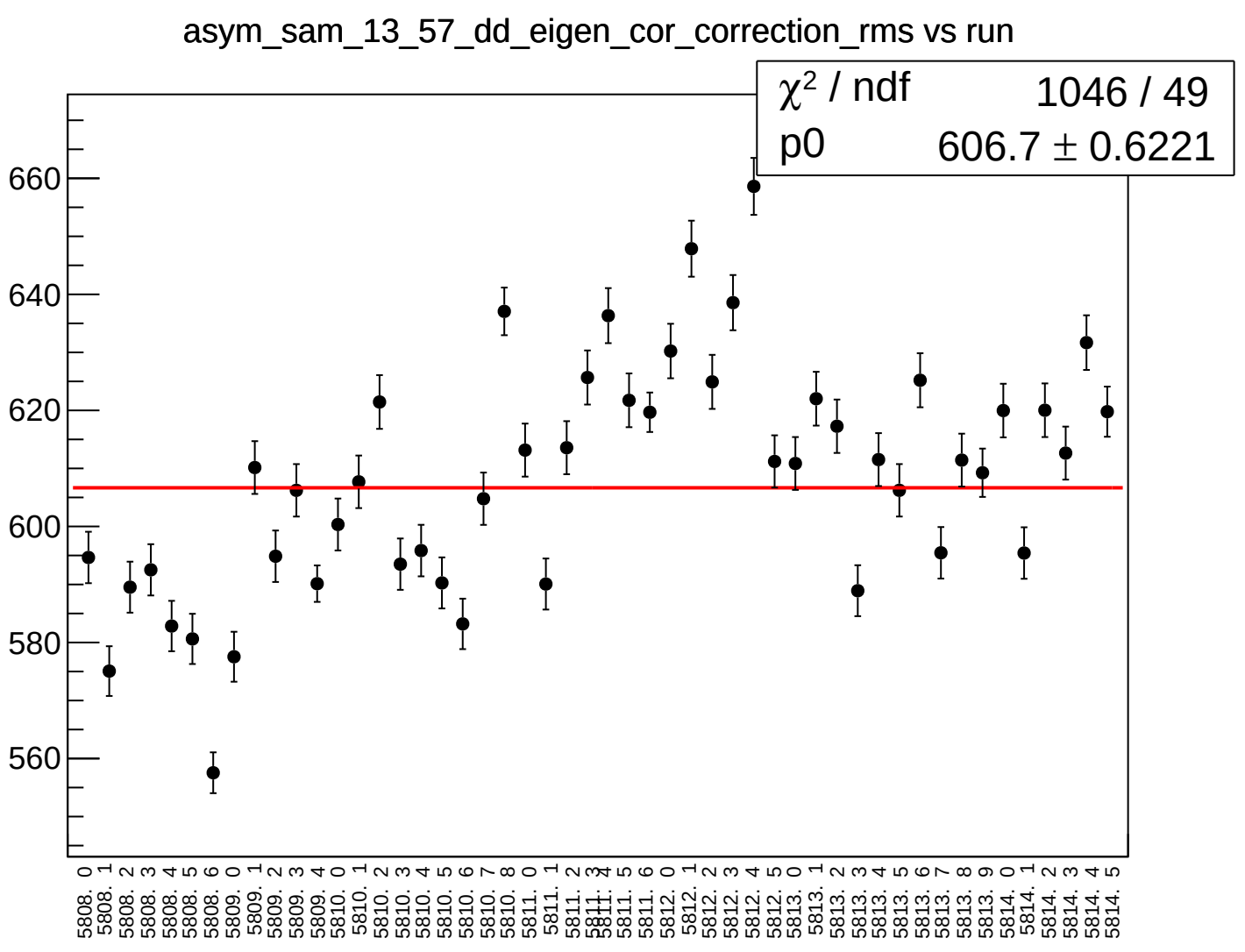

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 1046 / 49
p0 606.7 ± 0.6221
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

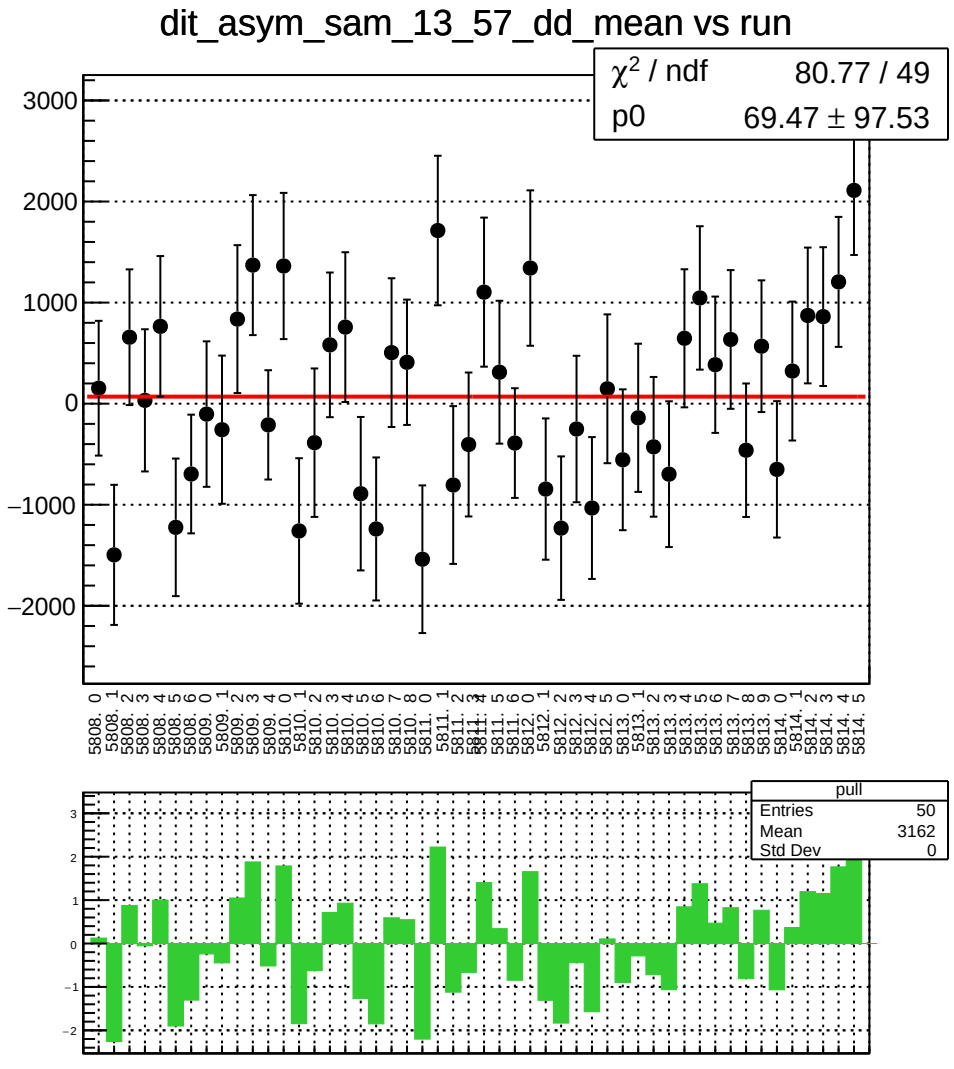

eigen_cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 68 / 49
p0 5.563 ± 87.14
pull
Entries 50
Mean 509.1
Std Dev 0

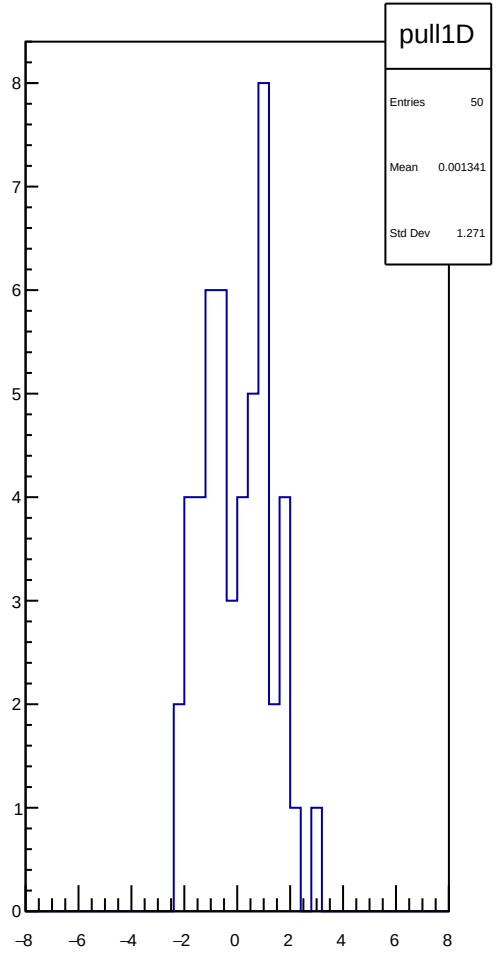

pull1D
Entries 50
Mean 0.006128
Std Dev 1.166

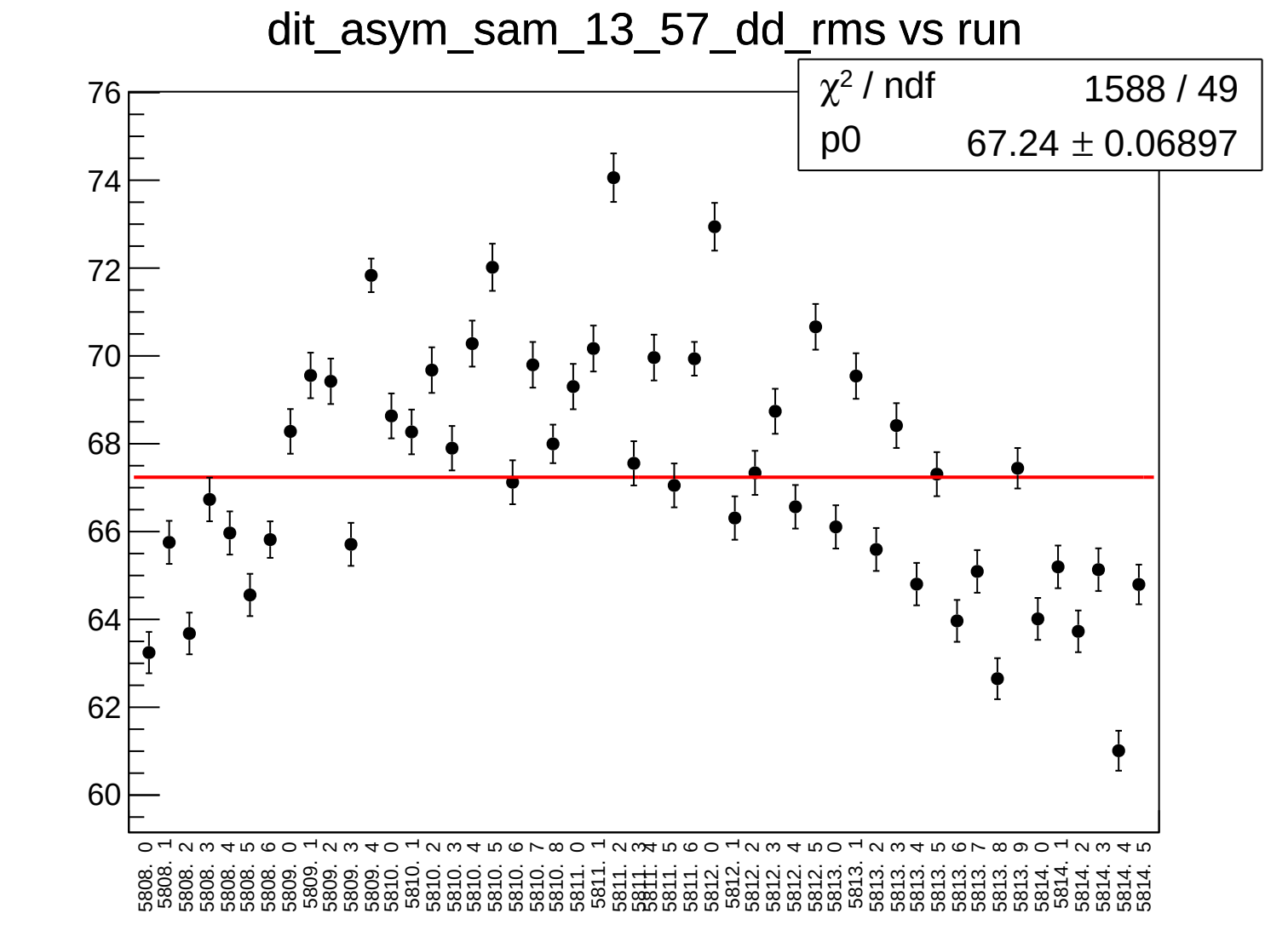

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1722 / 49
p0 60.07 ± 0.06161
64
62
60
58
56
54
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

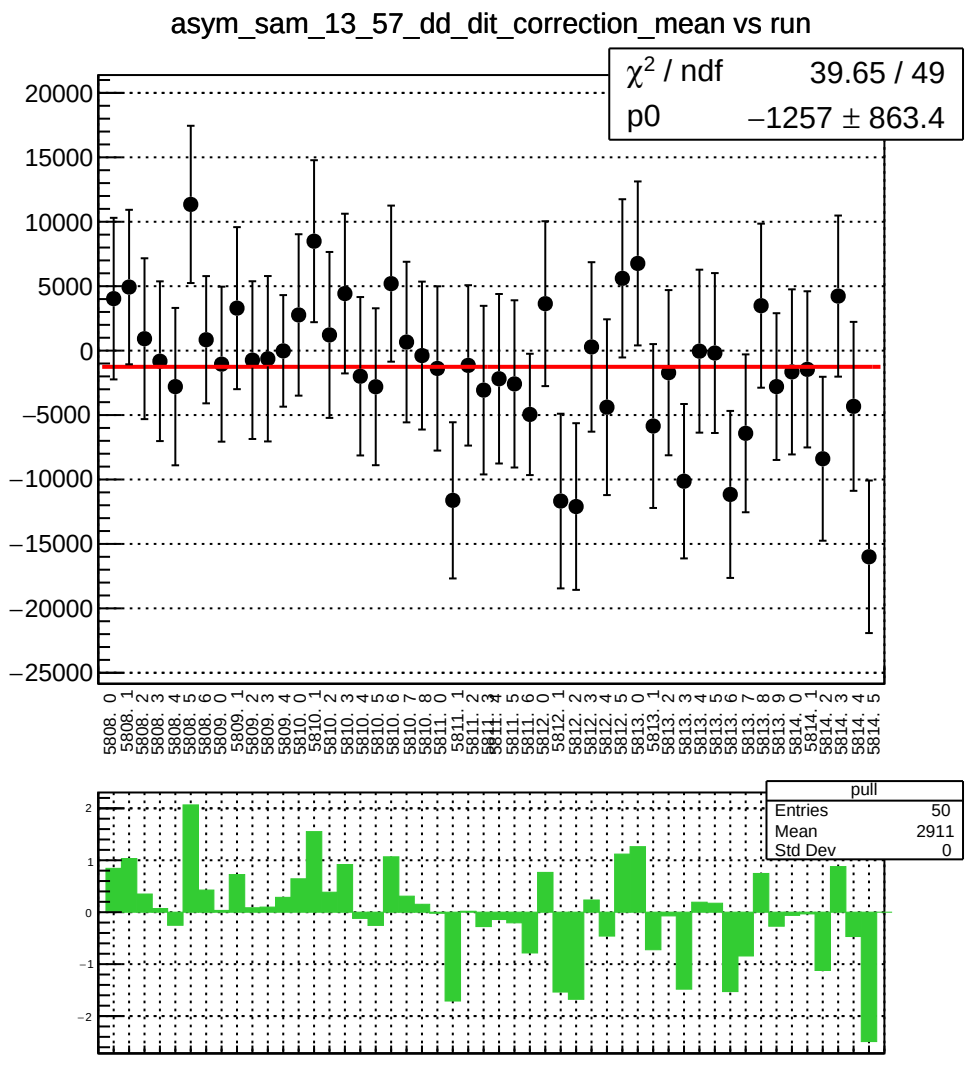

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.15 / 49
p0 −1292 ± 879.8
pull
Entries 50
Mean 1513
Std Dev 0
pull1D
Entries 50
Mean −0.003856
Std Dev 0.8961

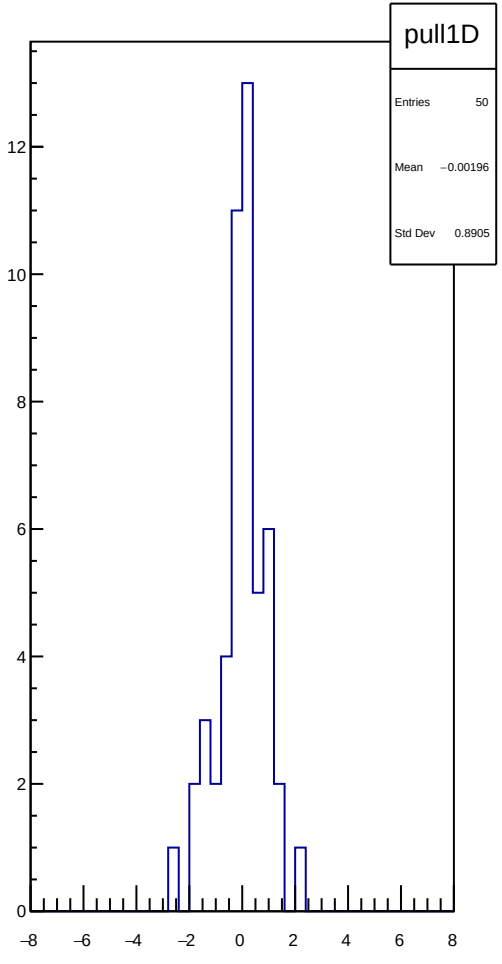

asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 1046 / 49
p0 606.7 ± 0.6221
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

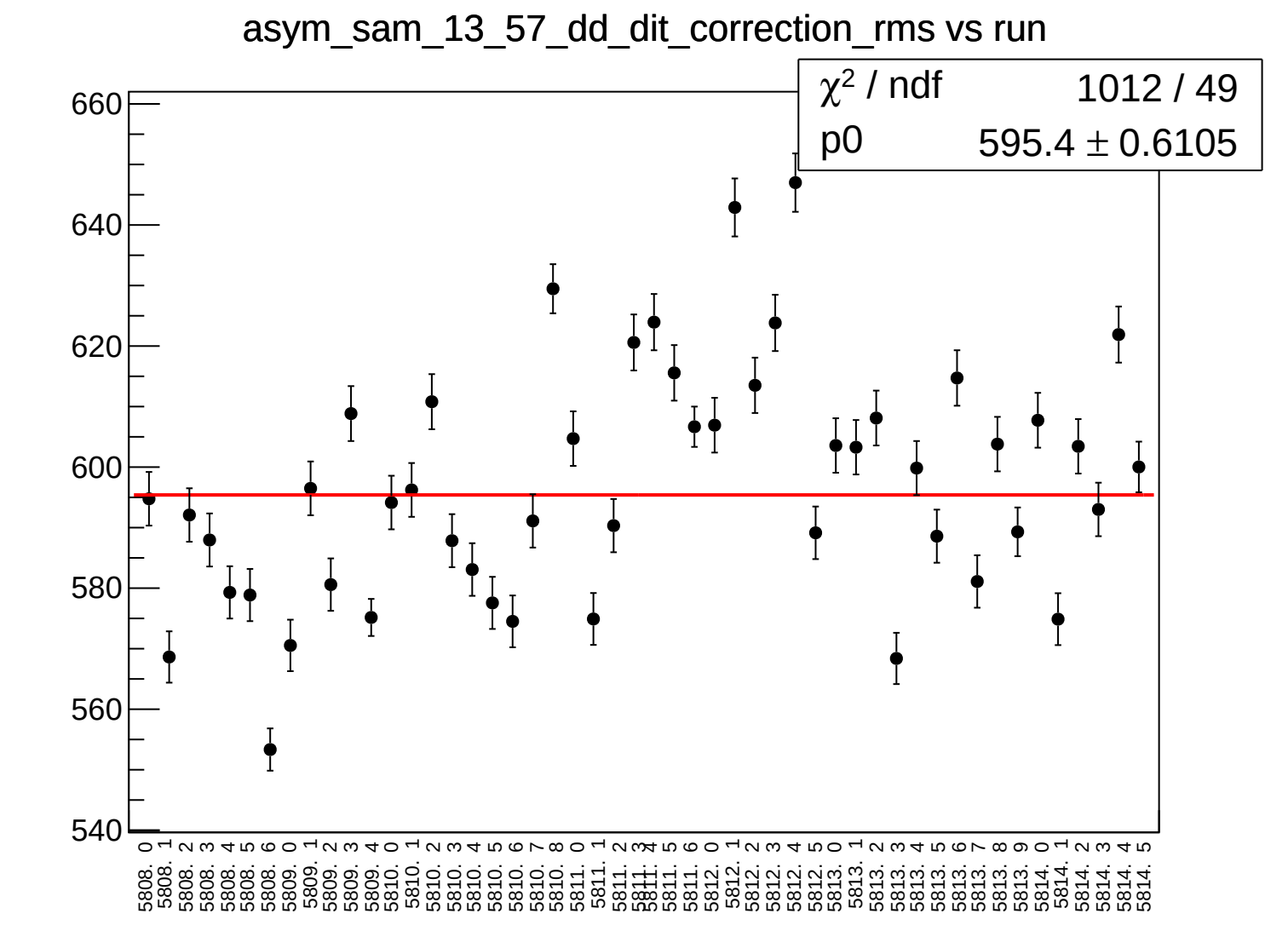

dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.77 / 49
p0 69.47 ± 97.53
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3162
Std Dev 0
3
2
1
0
−1
−2

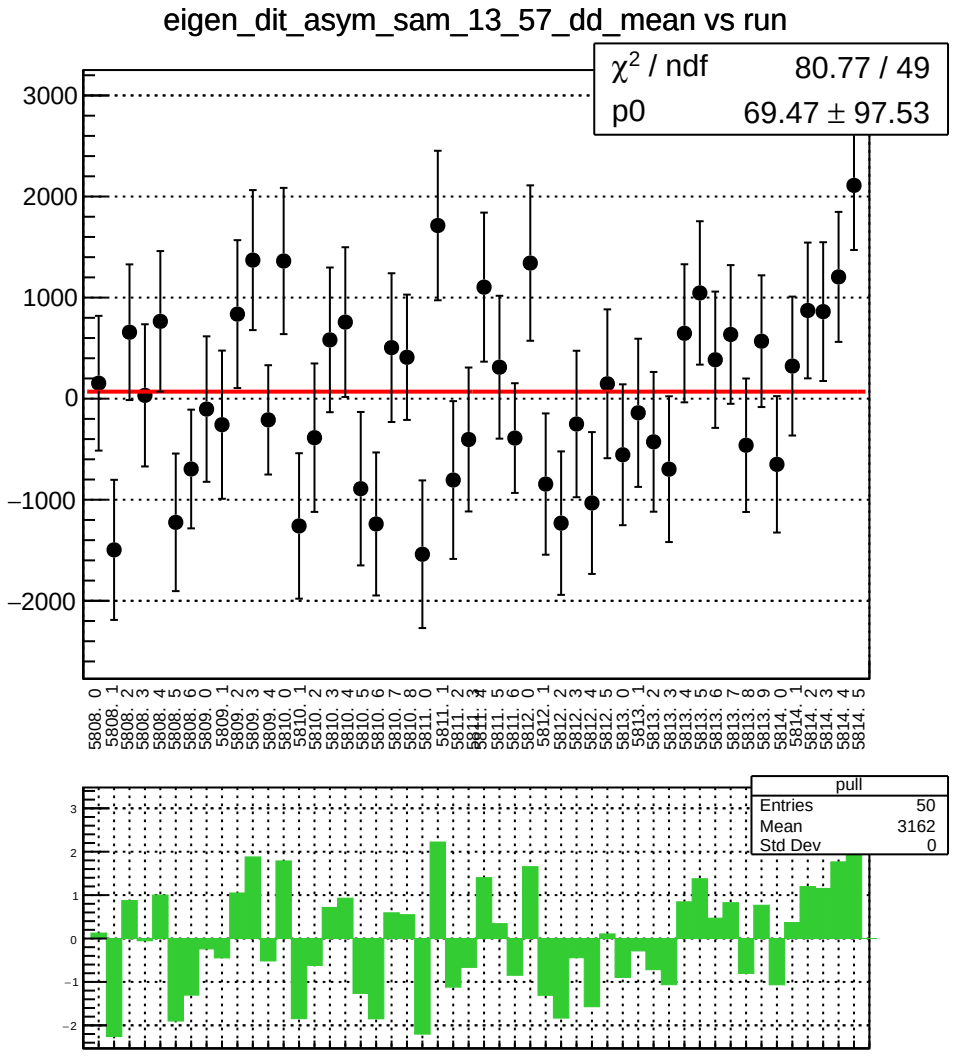

pull1D
Entries 50
Mean 0.001341
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

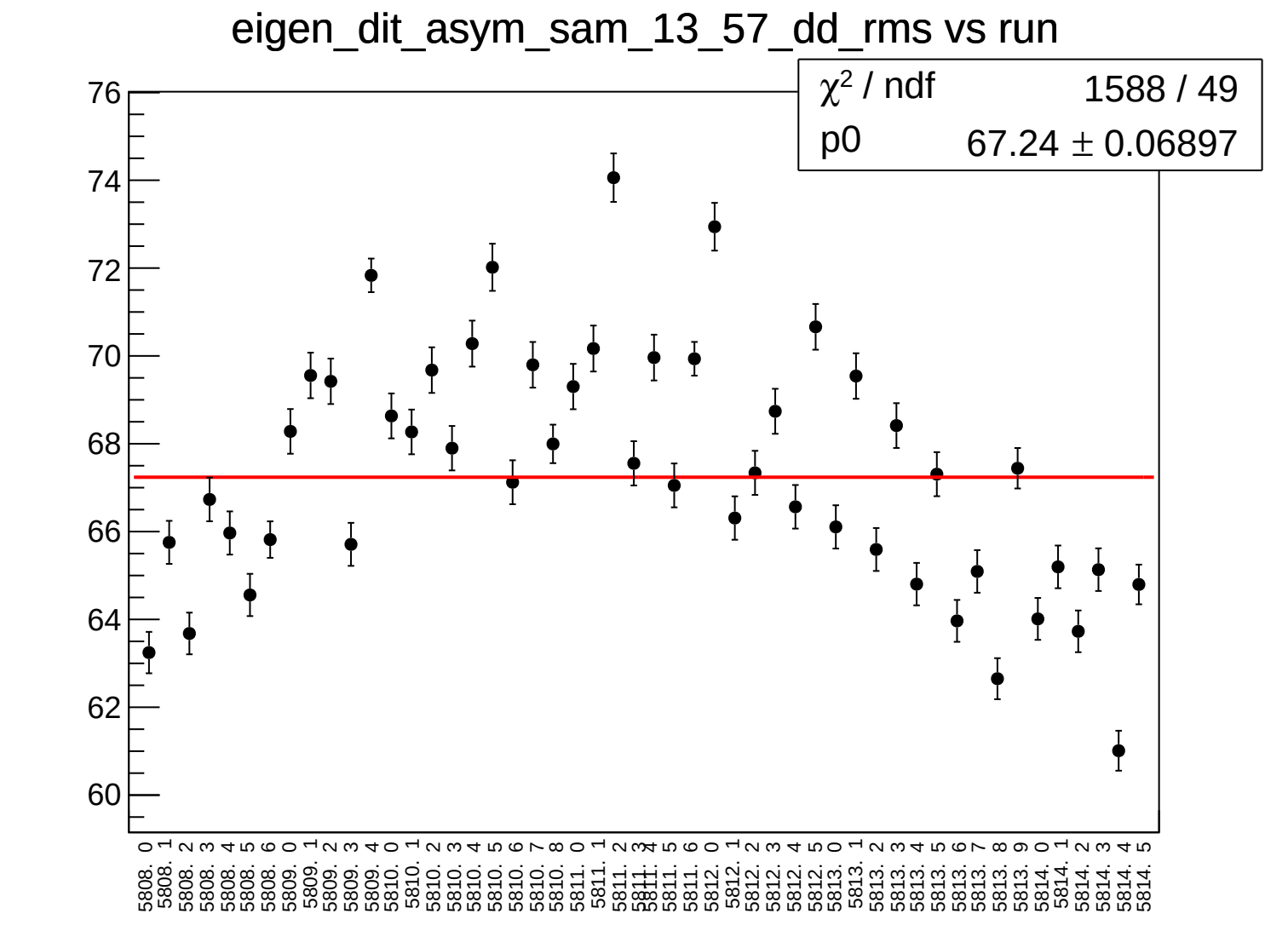

dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1588 / 49
p0 67.24 ± 0.06897
76
74
72
70
68
66
64
62
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

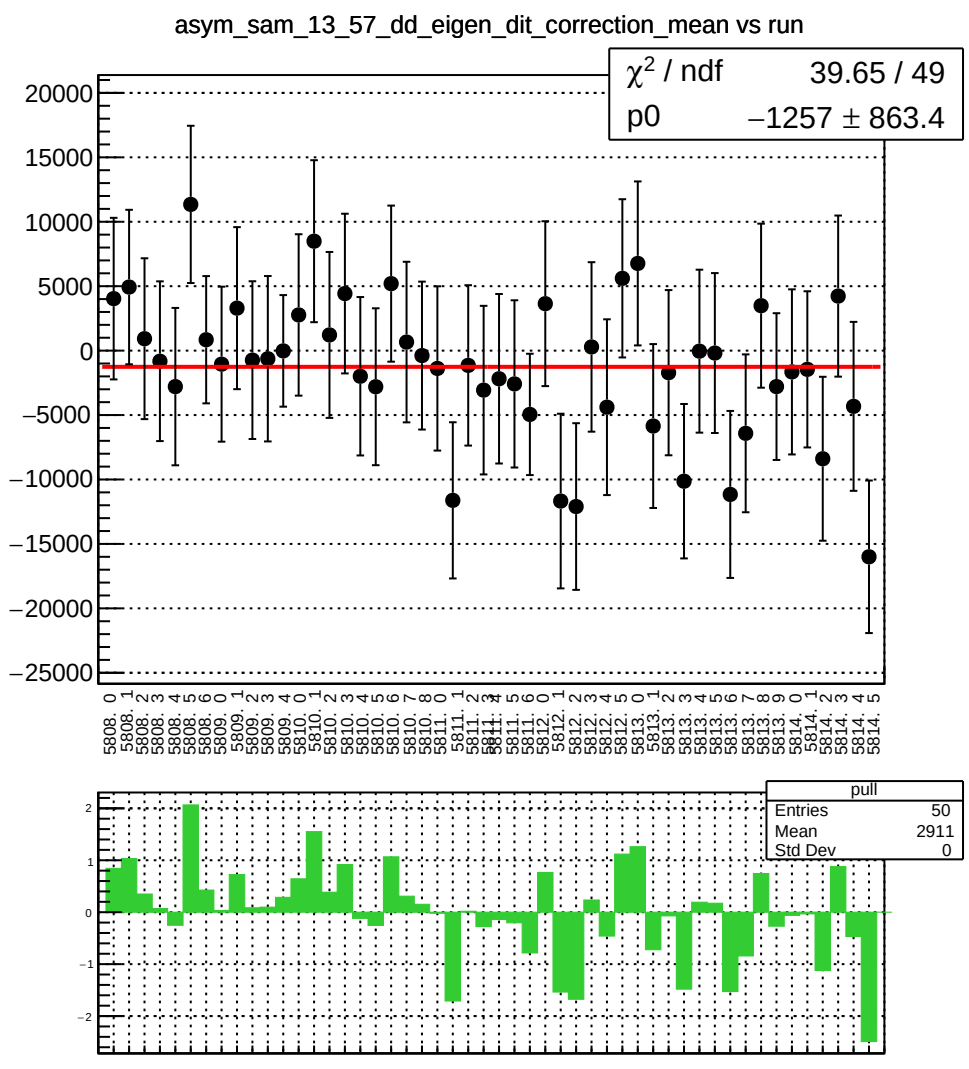

asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 39.65 / 49
p0 −1257 ± 863.4
pull
Entries 50
Mean 2911
Std Dev 0

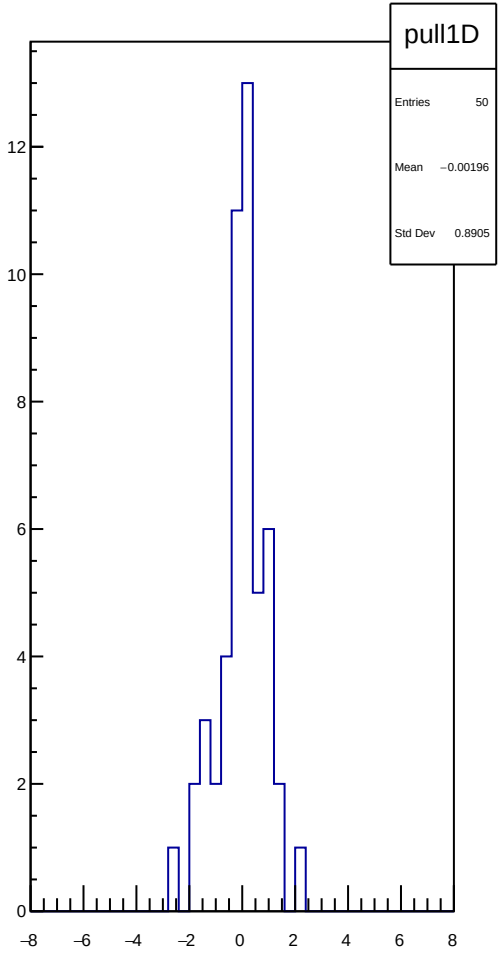

pull1D
Entries 50
Mean −0.00196
Std Dev 0.8905

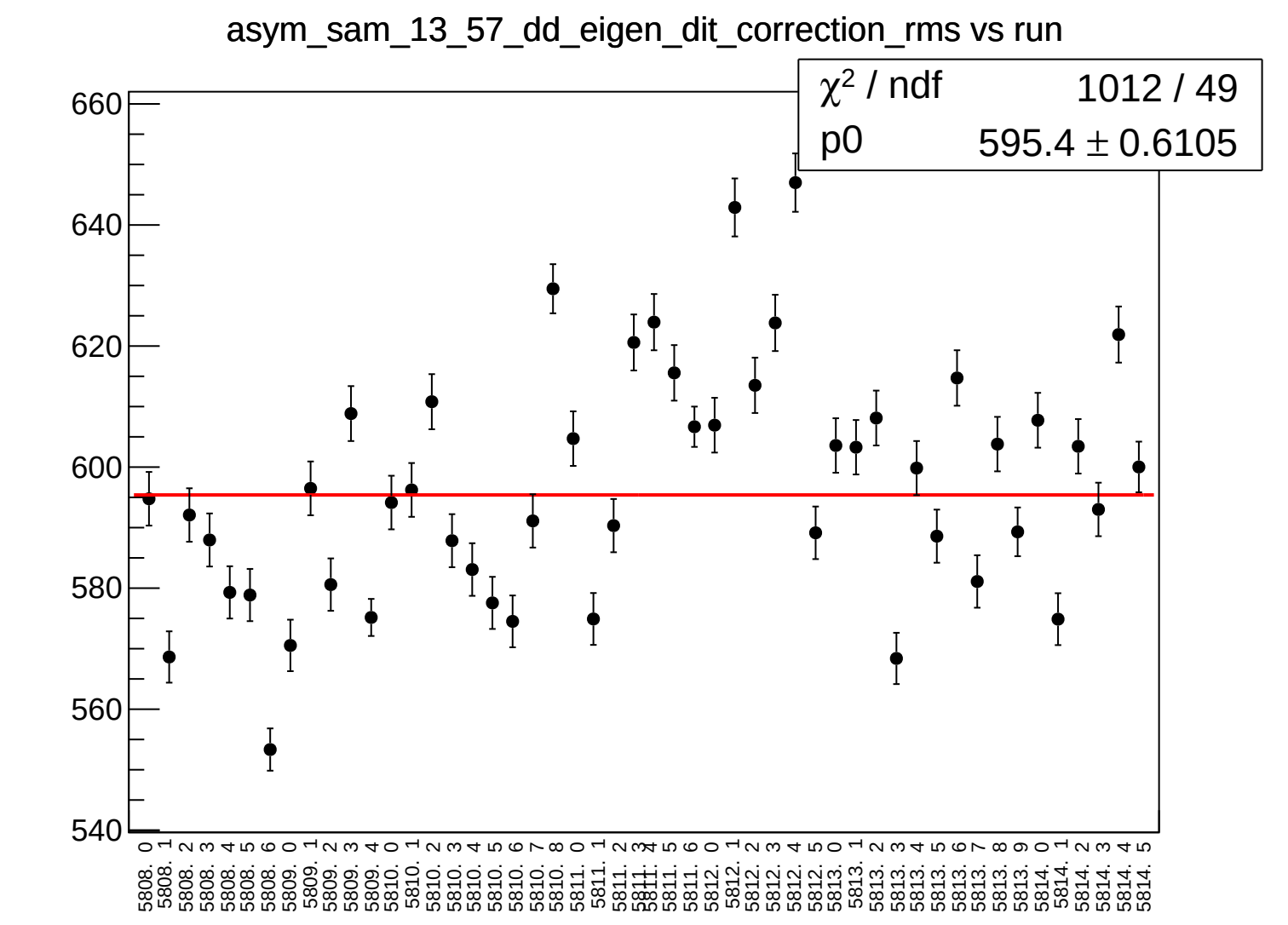

asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 1012 / 49
p0 595.4 ± 0.6105
660
640
620
600
580
560
540
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

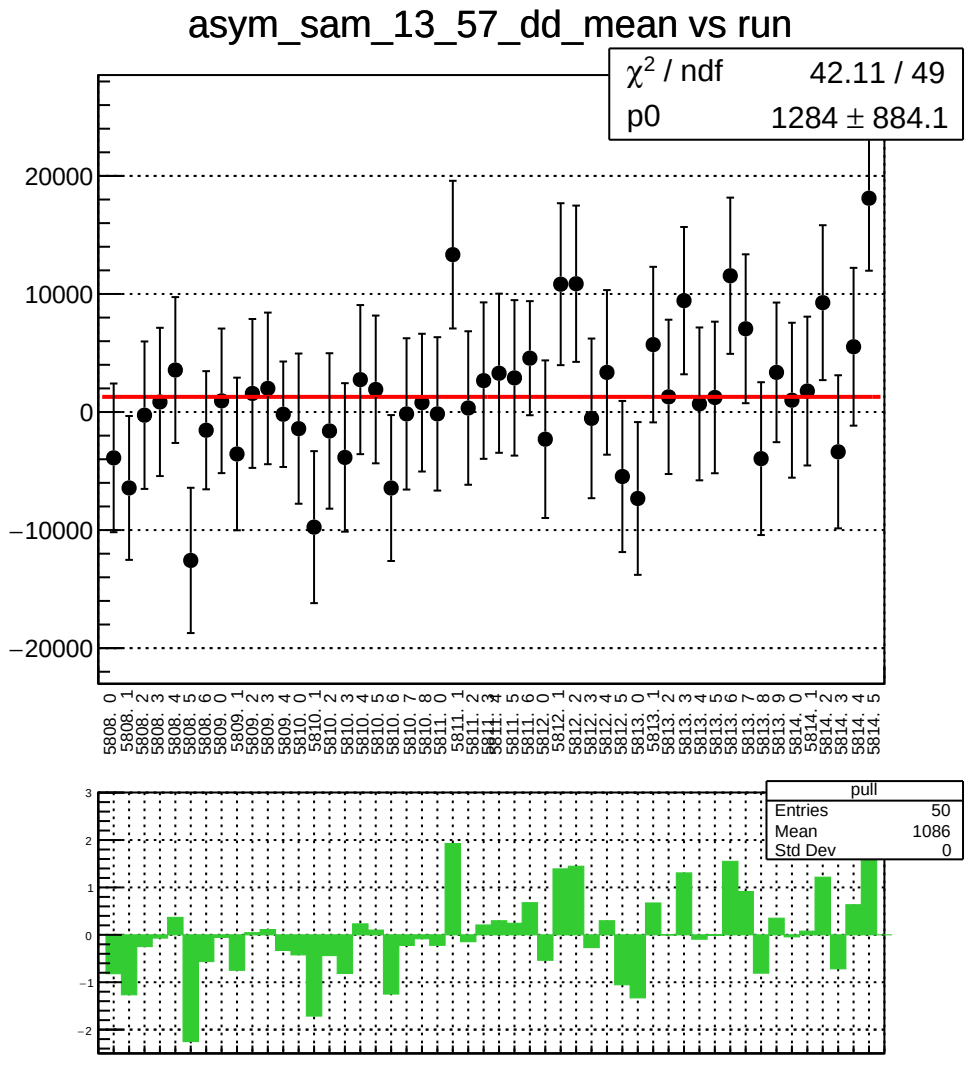

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 80.77 / 49
p0 69.47 ± 97.53
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 3162
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001341
Std Dev 1.271
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

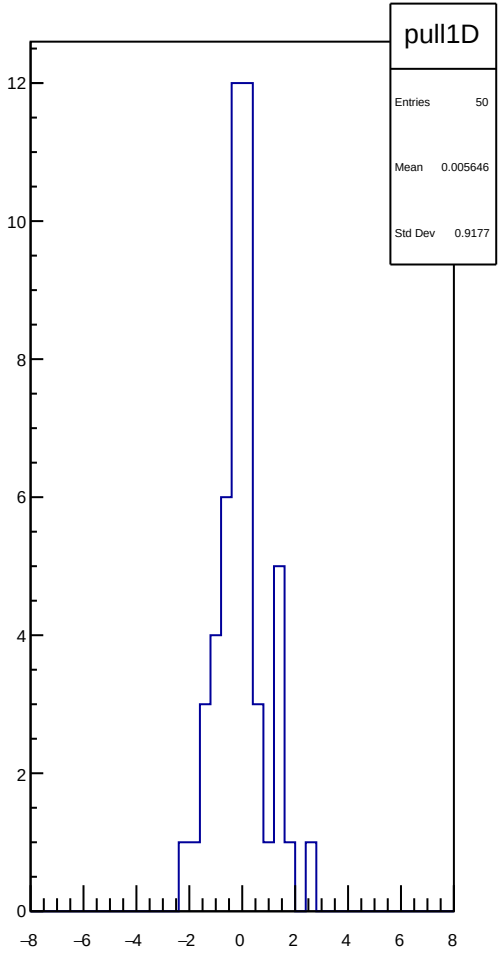

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 1588 / 49
p0 67.24 ± 0.06897
76
74
72
70
68
66
64
62
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

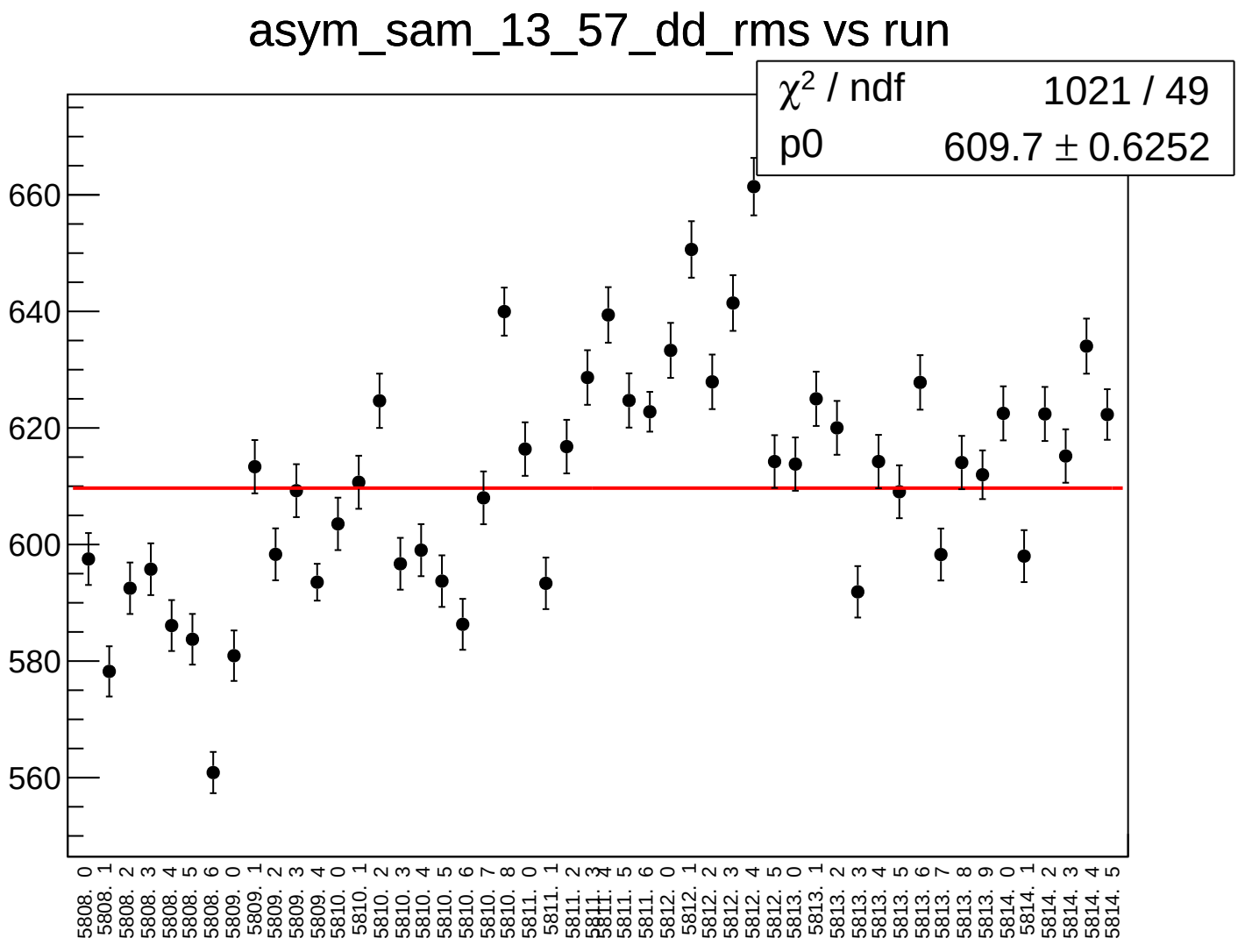

asym_sam_13_57_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.65 / 49
p0 −1257 ± 863.4
pull
Entries 50
Mean 2911
Std Dev 0

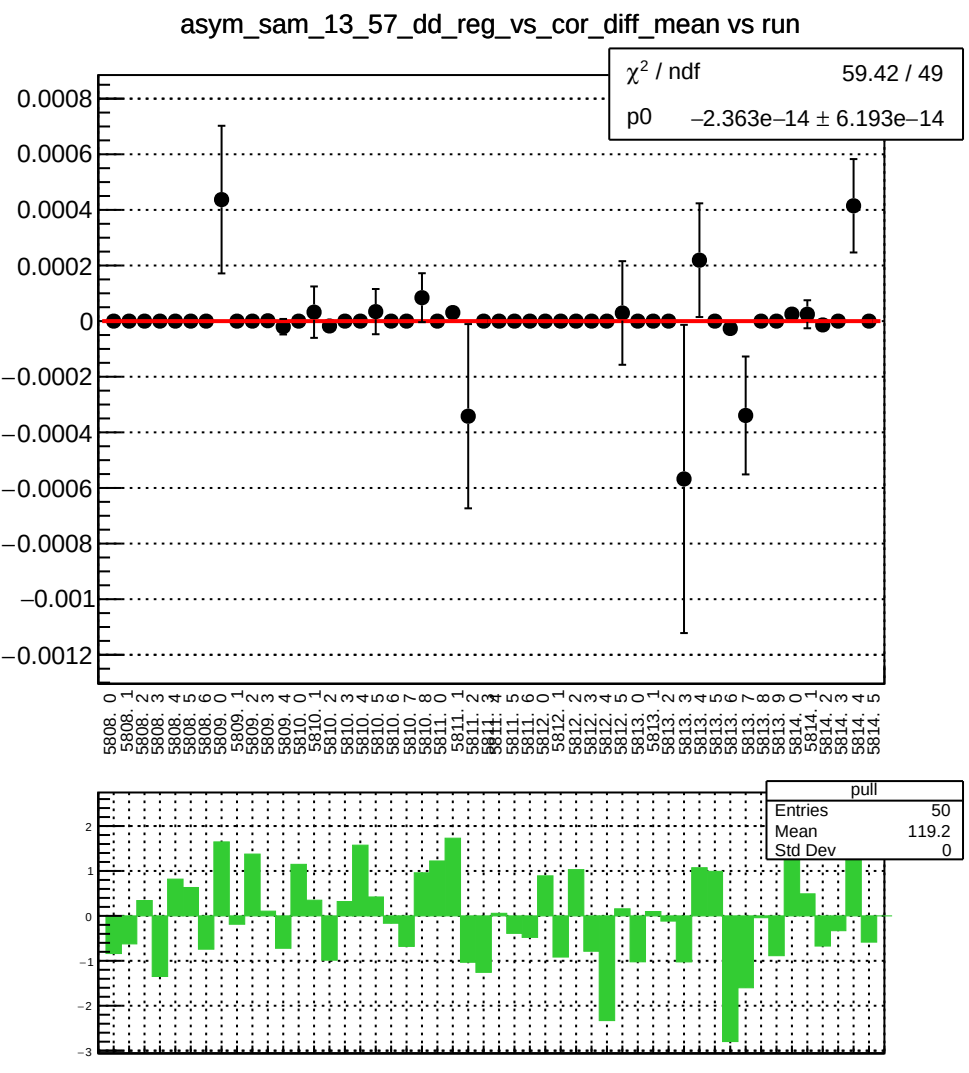

pull1D
Entries 50
Mean −0.00196
Std Dev 0.8905

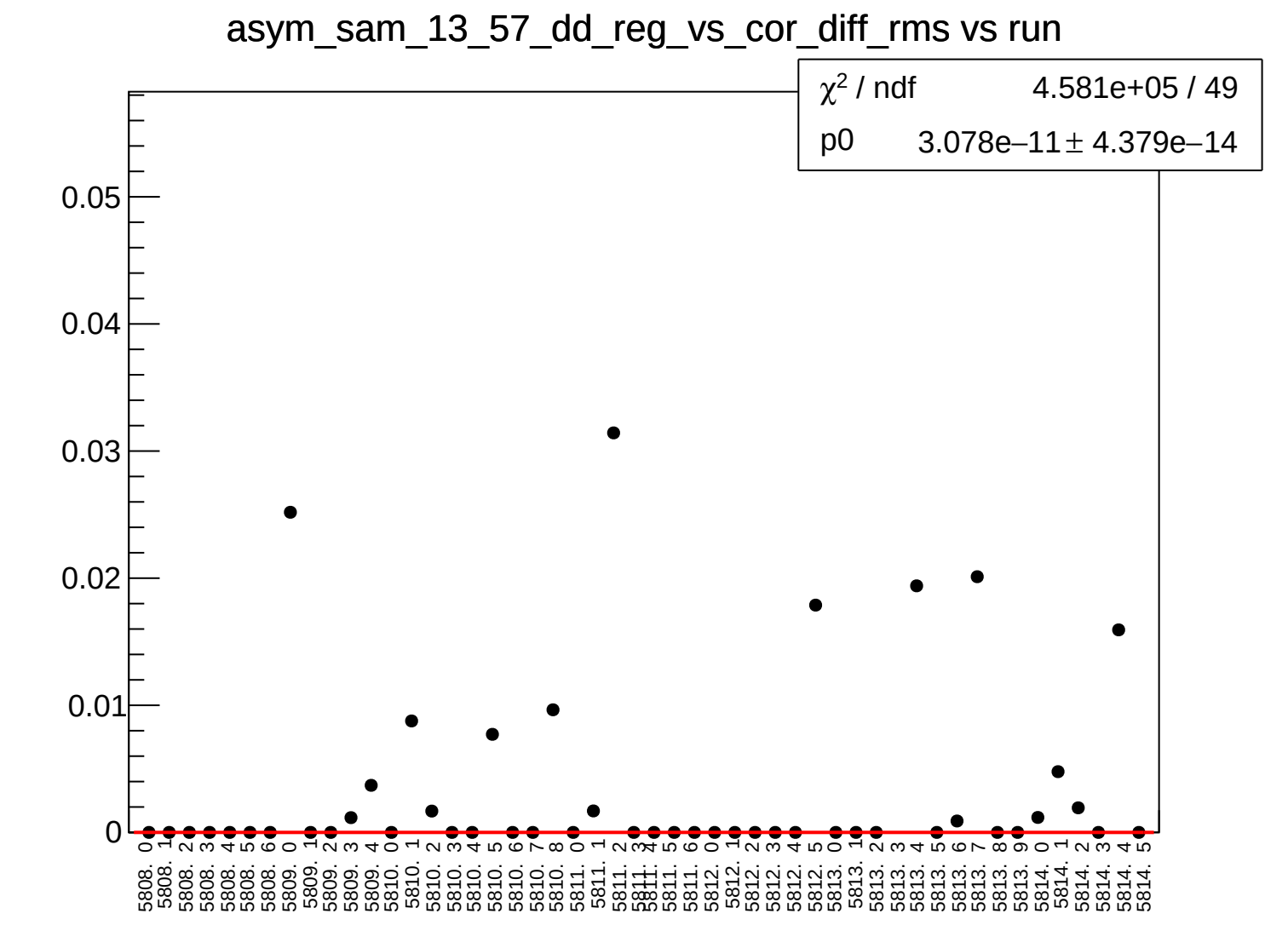

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 1012 / 49
p0 595.4 ± 0.6105
660
640
620
600
580
560
540
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

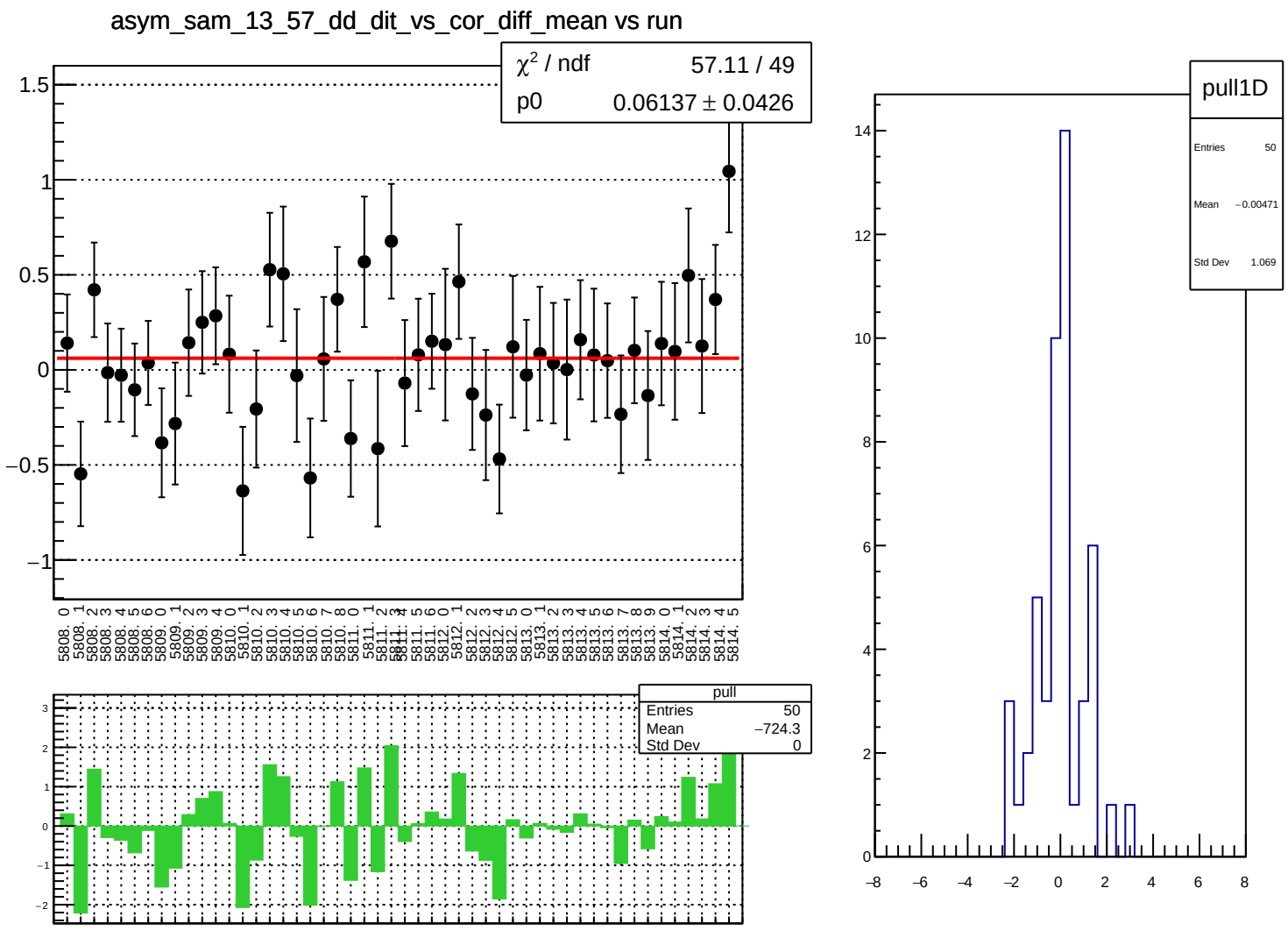

asym_sam_13_57_dd_mean vs run
χ² / ndf 42.11 / 49
p0 1284 ± 884.1
20000
10000
0
−10000
−20000
pull
Entries 50
Mean 1086
Std Dev 0
3
2
1
0
−1
−2

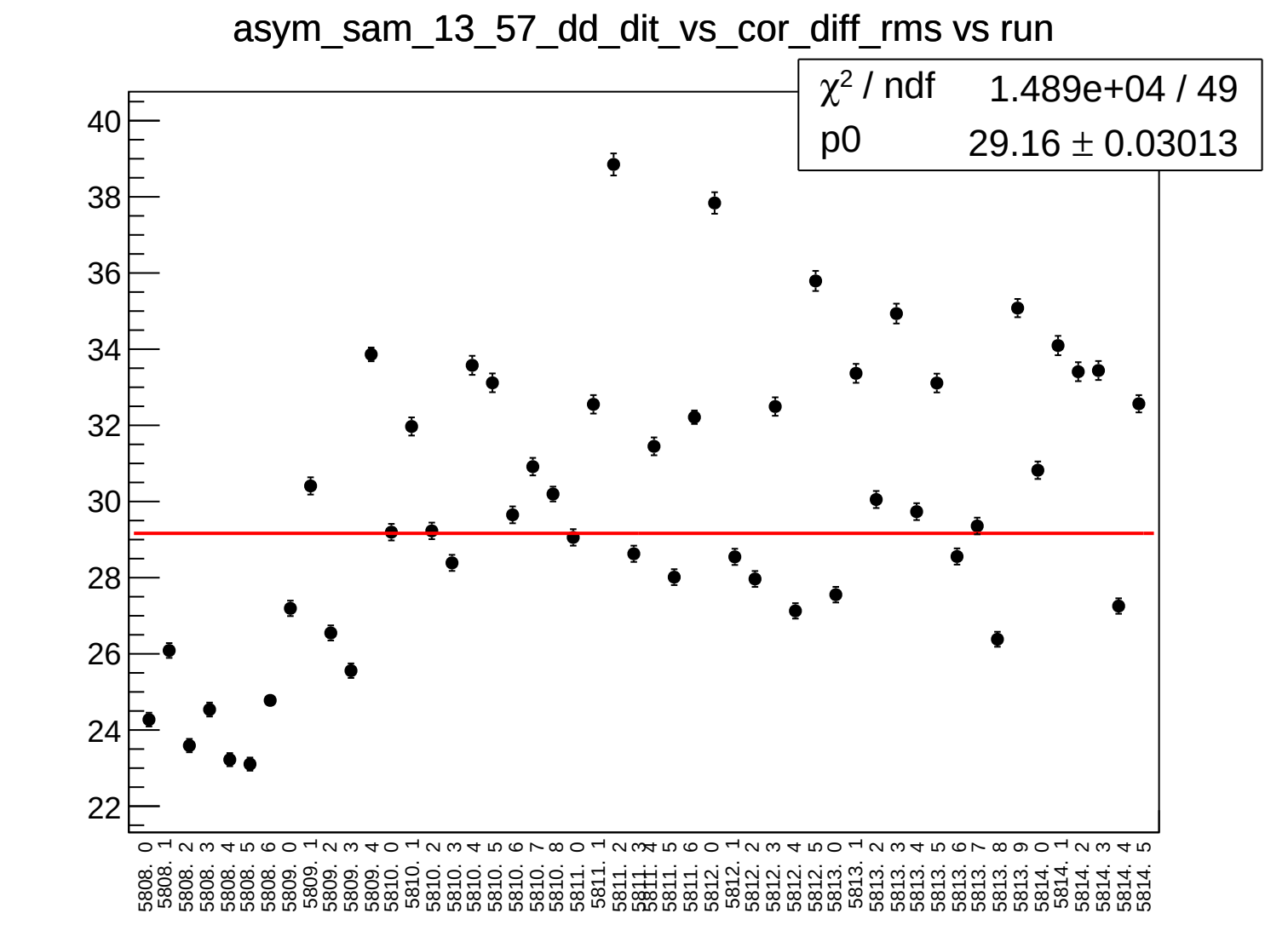

pull1D
Entries 50
Mean 0.005646
Std Dev 0.9177
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

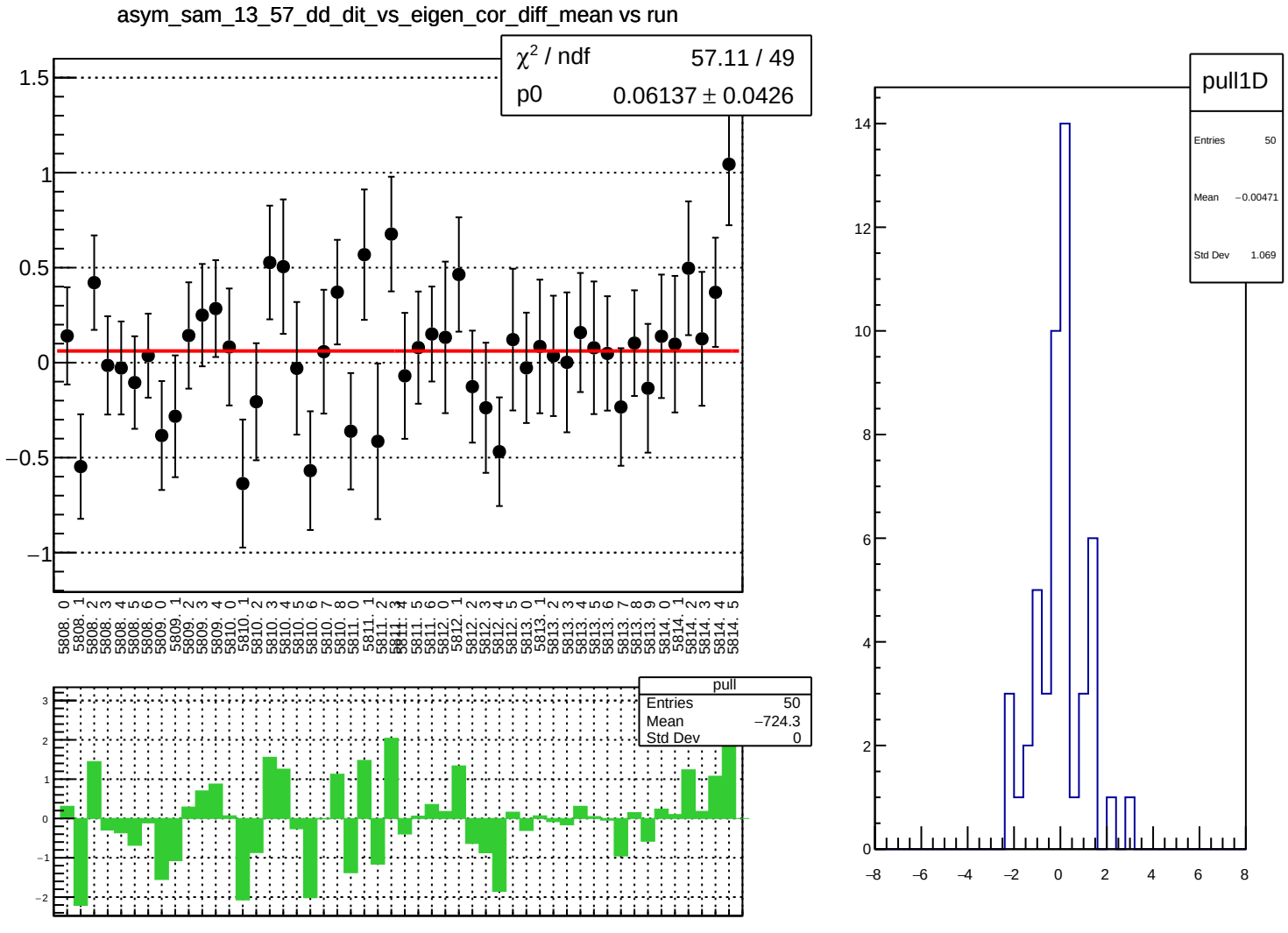

asym_sam_13_57_dd_rms vs run
χ² / ndf 1021 / 49
p0 609.7 ± 0.6252
660
640
620
600
580
560
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

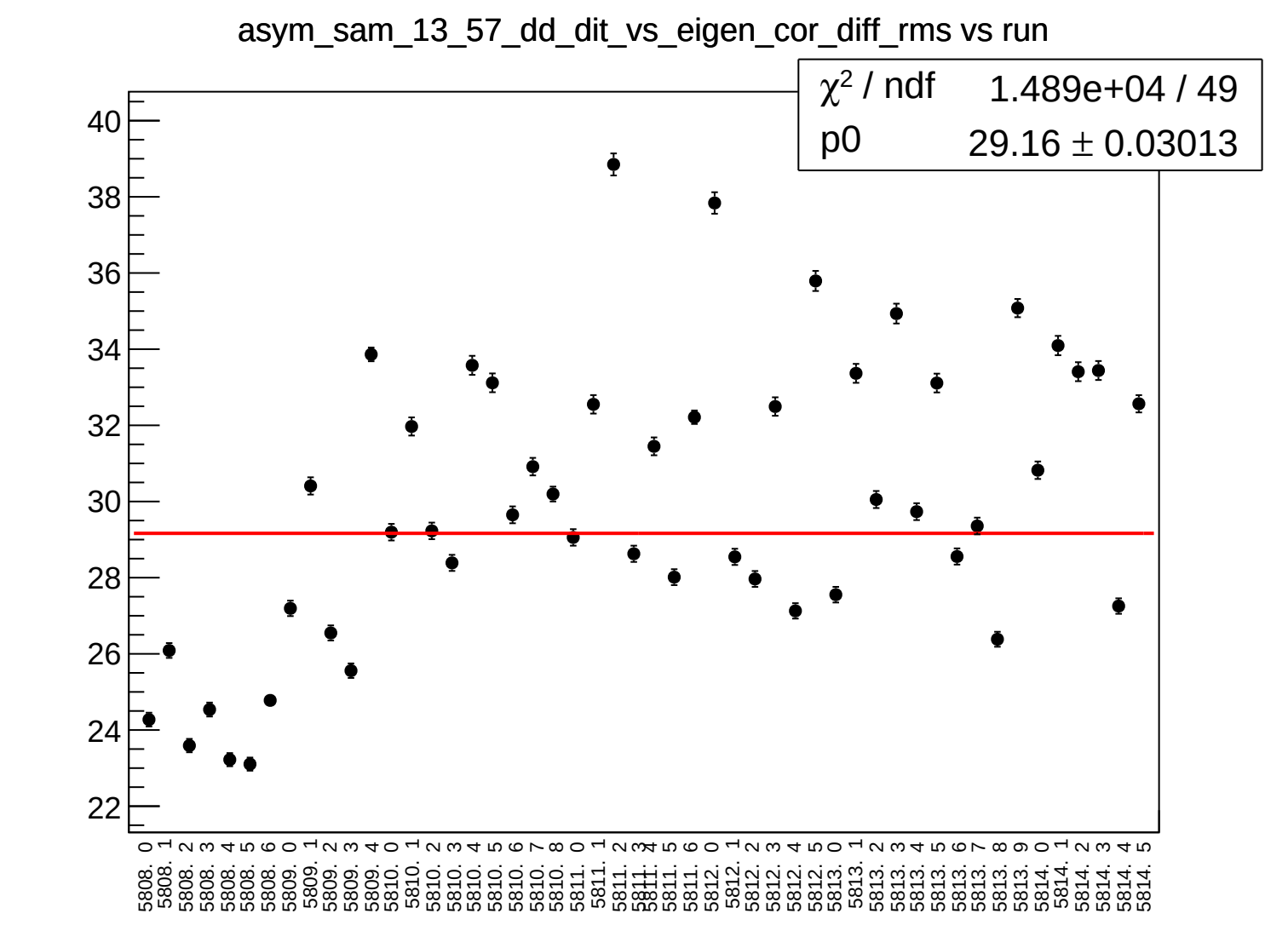

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.42 / 49
p0 −2.363e−14 ± 6.193e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 119.2
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01251
Std Dev 1.09
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

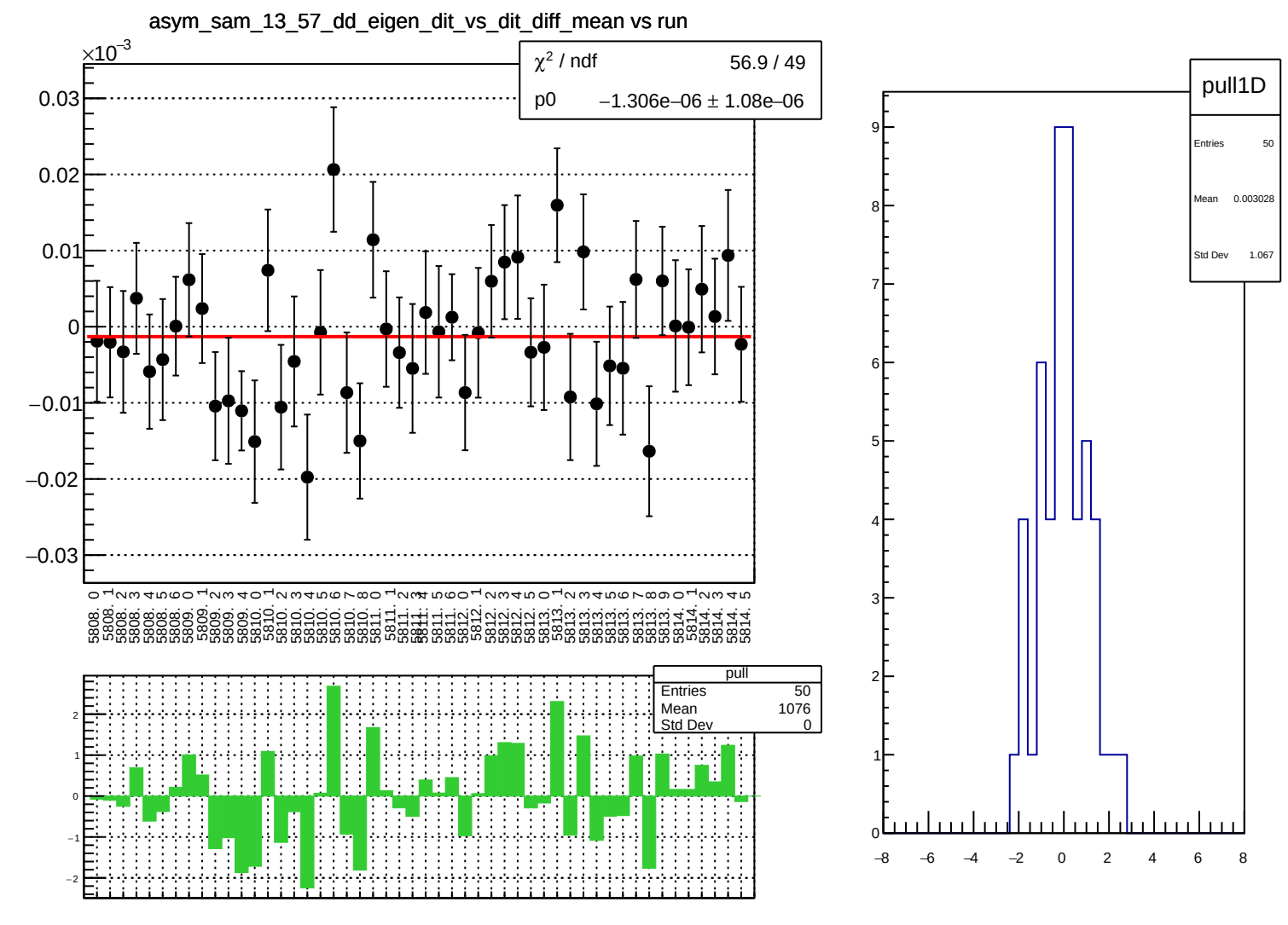

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.581e+05 / 49
p0 3.078e−11 ± 4.379e−14
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

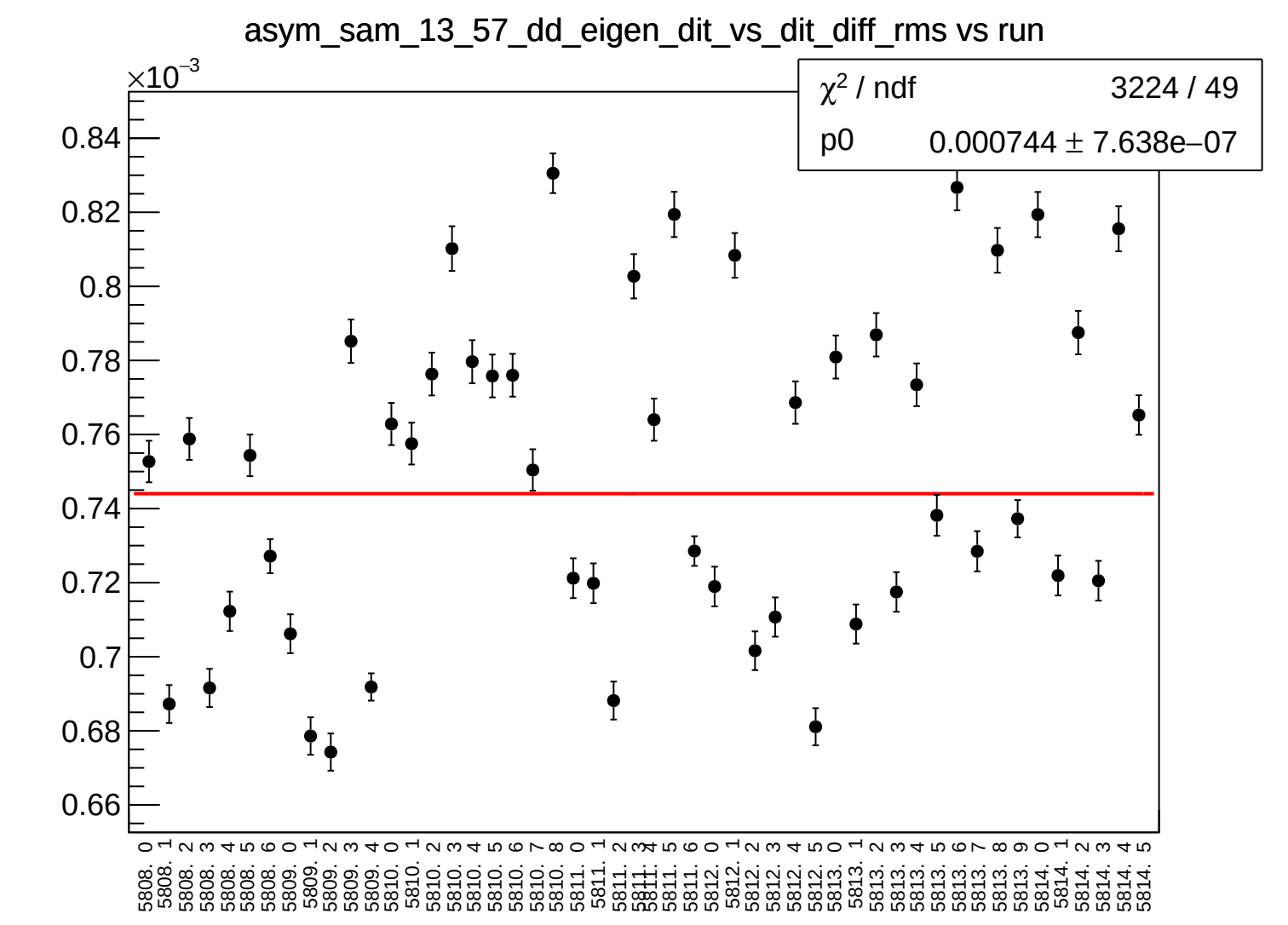

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.06137 ± 0.0426
pull
Entries 50
Mean −724.3
Std Dev 0
pull1D
Entries 50
Mean −0.00471
Std Dev 1.069

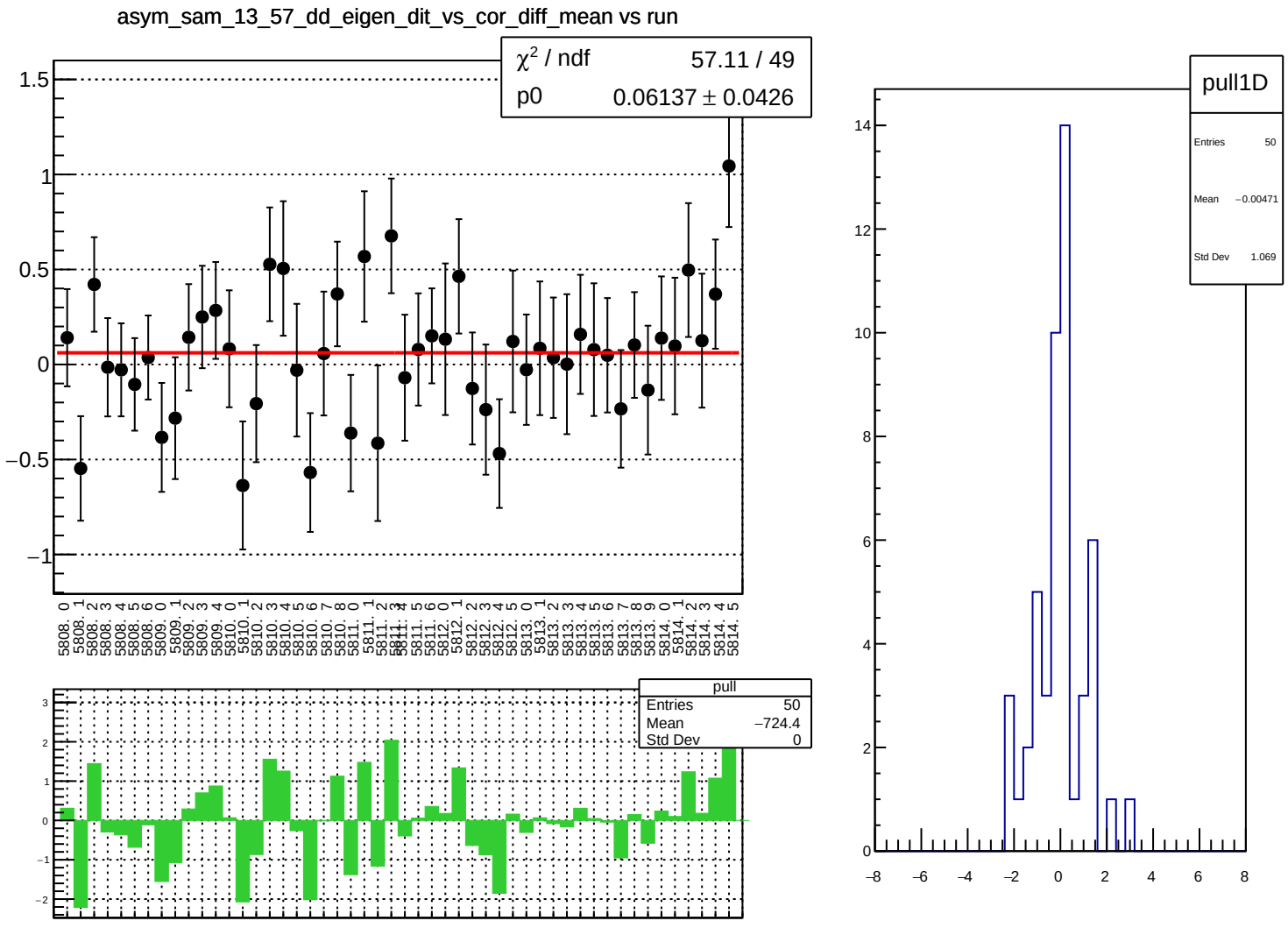

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.489e+04 / 49
p0 29.16 ± 0.03013
40
38
36
34
32
30
28
26
24
22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

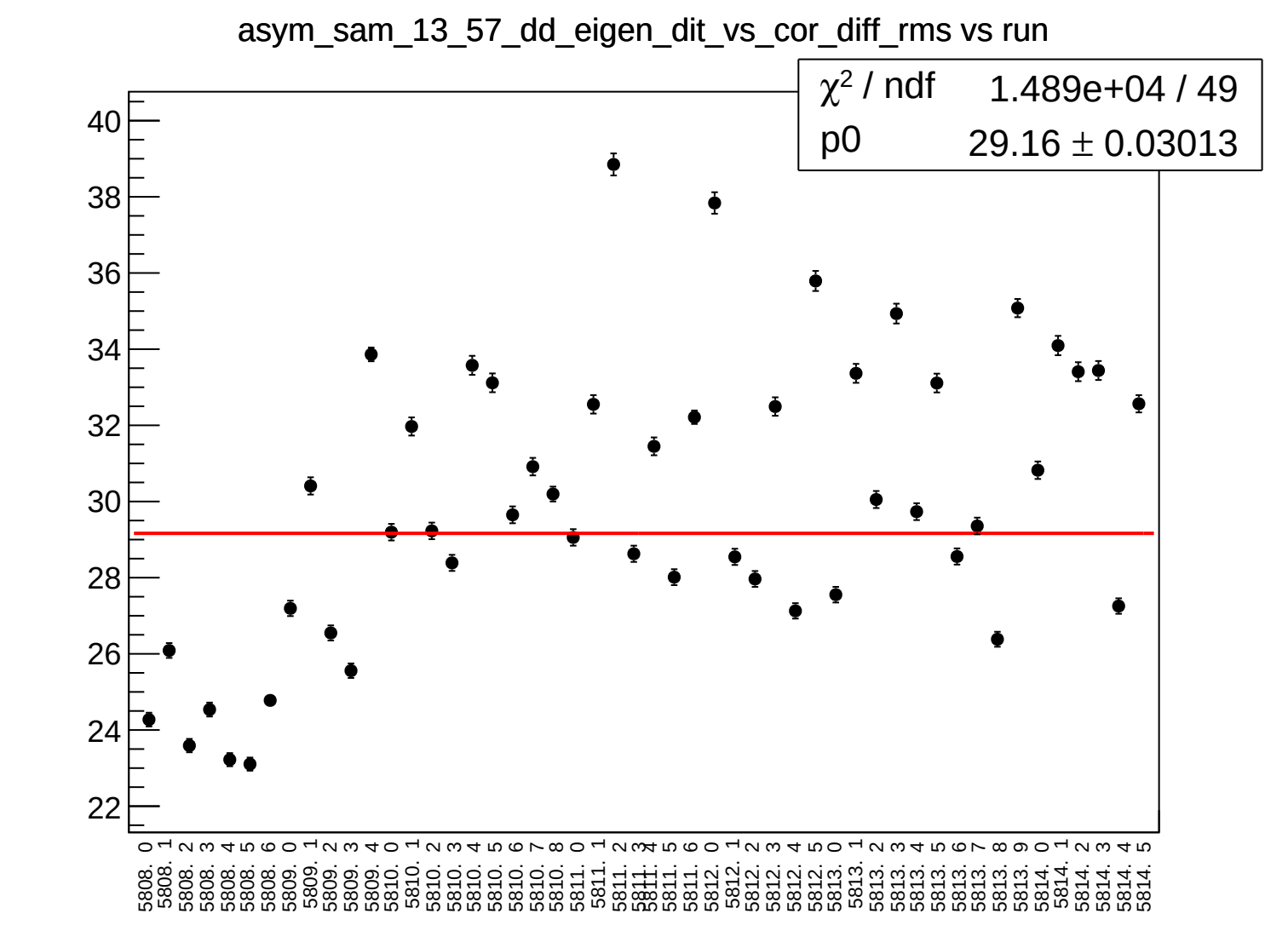

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.06137 ± 0.0426
pull
Entries 50
Mean −724.3
Std Dev 0
pull1D
Entries 50
Mean −0.00471
Std Dev 1.069

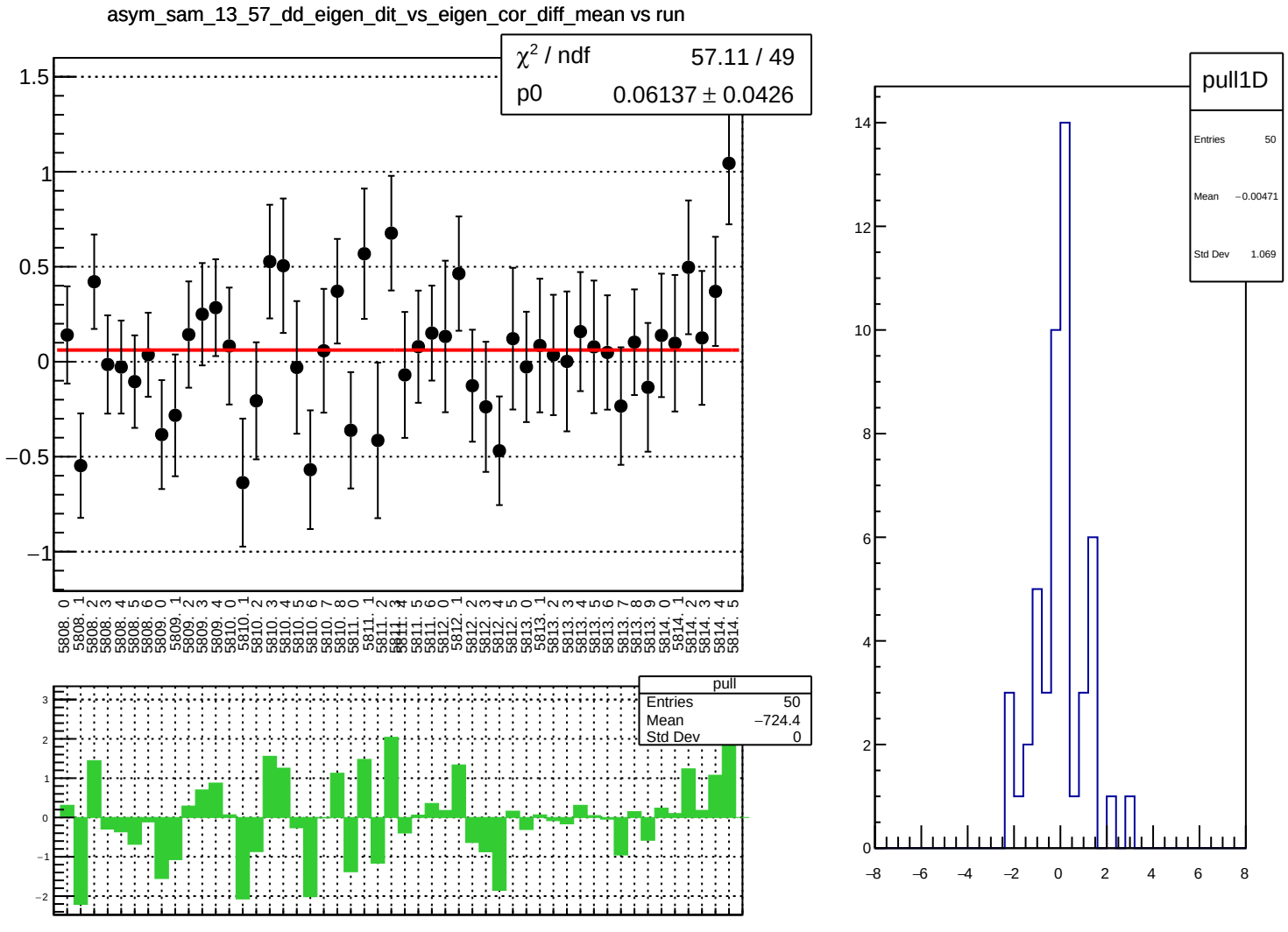

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.489e+04 / 49
p0 29.16 ± 0.03013
40
38
36
34
32
30
28
26
24
22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

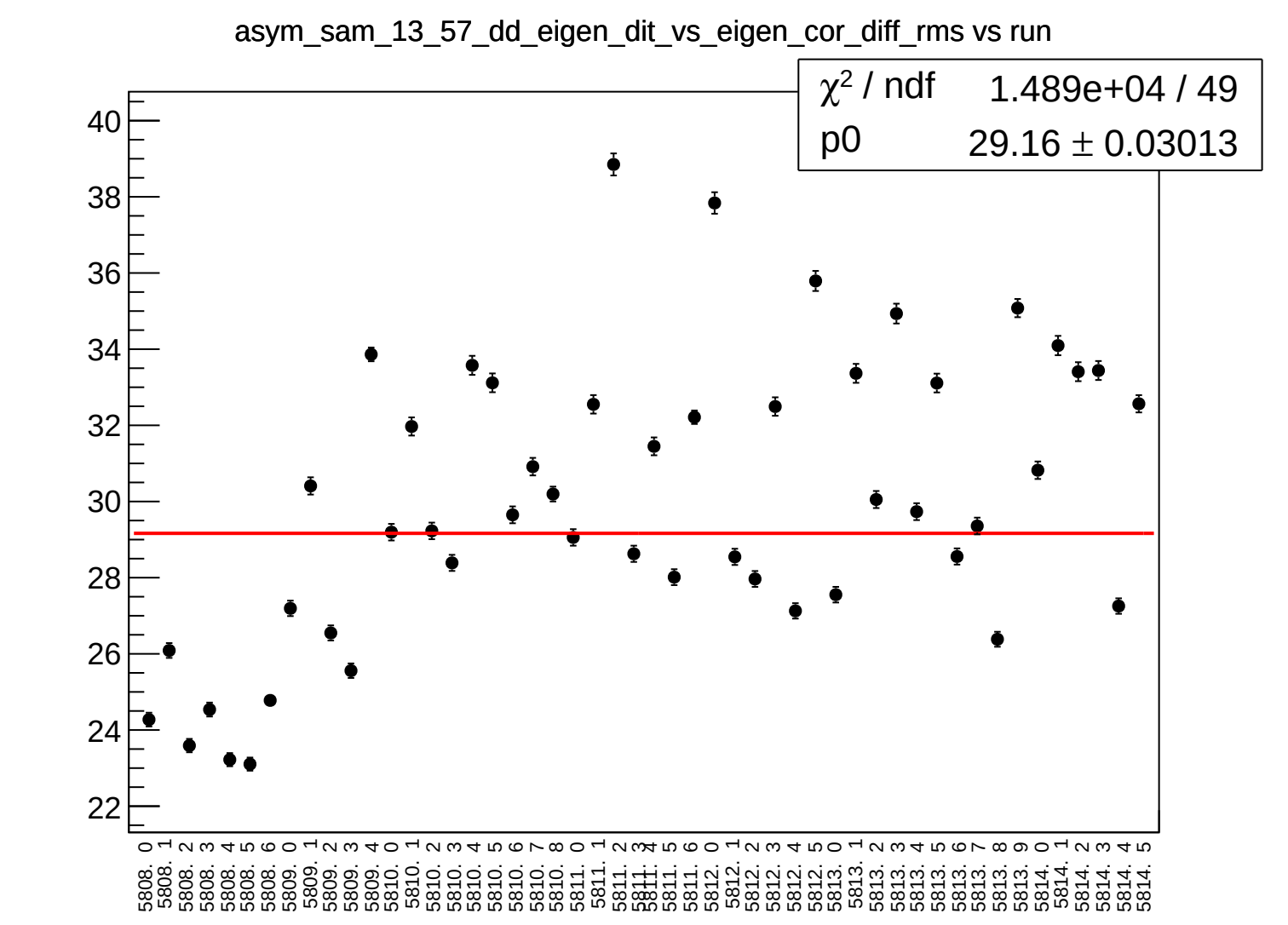

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.9 / 49
p0 −1.306e−06 ± 1.08e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1076
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003028
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3224 / 49
p0 0.000744 ± 7.638e−07
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.06137 ± 0.0426
pull
Entries 50
Mean −724.4
Std Dev 0
pull1D
Entries 50
Mean −0.00471
Std Dev 1.069


asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.489e+04 / 49
p0 29.16 ± 0.03013
40
38
36
34
32
30
28
26
24
22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 57.11 / 49
p0 0.06137 ± 0.0426
pull
Entries 50
Mean −724.4
Std Dev 0
pull1D
Entries 50
Mean −0.00471
Std Dev 1.069


asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.489e+04 / 49
p0 29.16 ± 0.03013
40
38
36
34
32
30
28
26
24
22
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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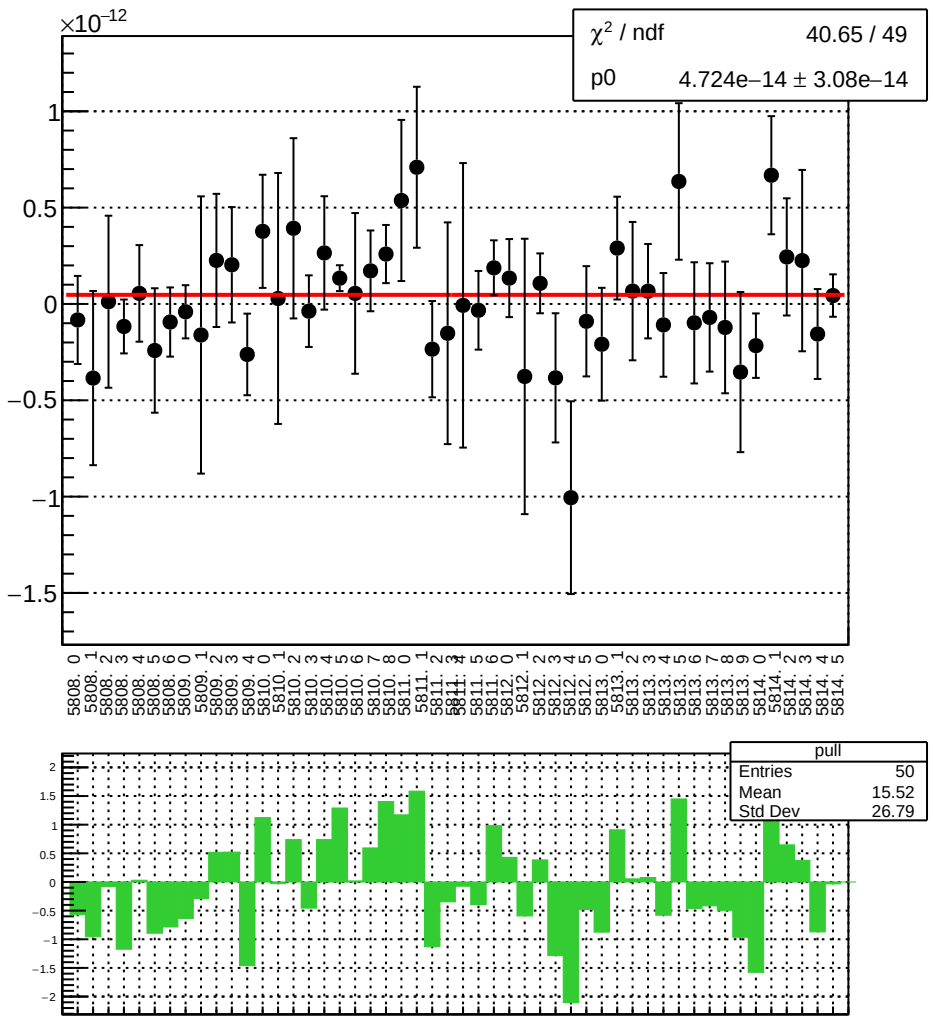
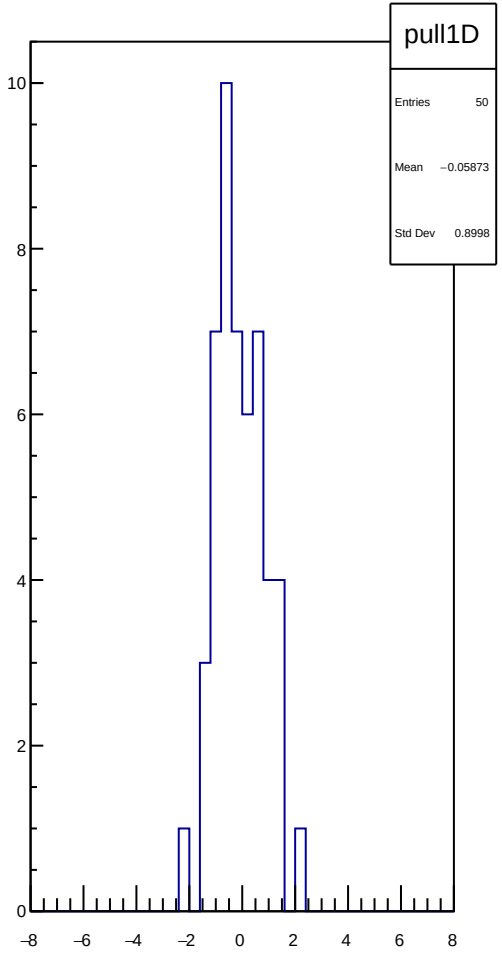
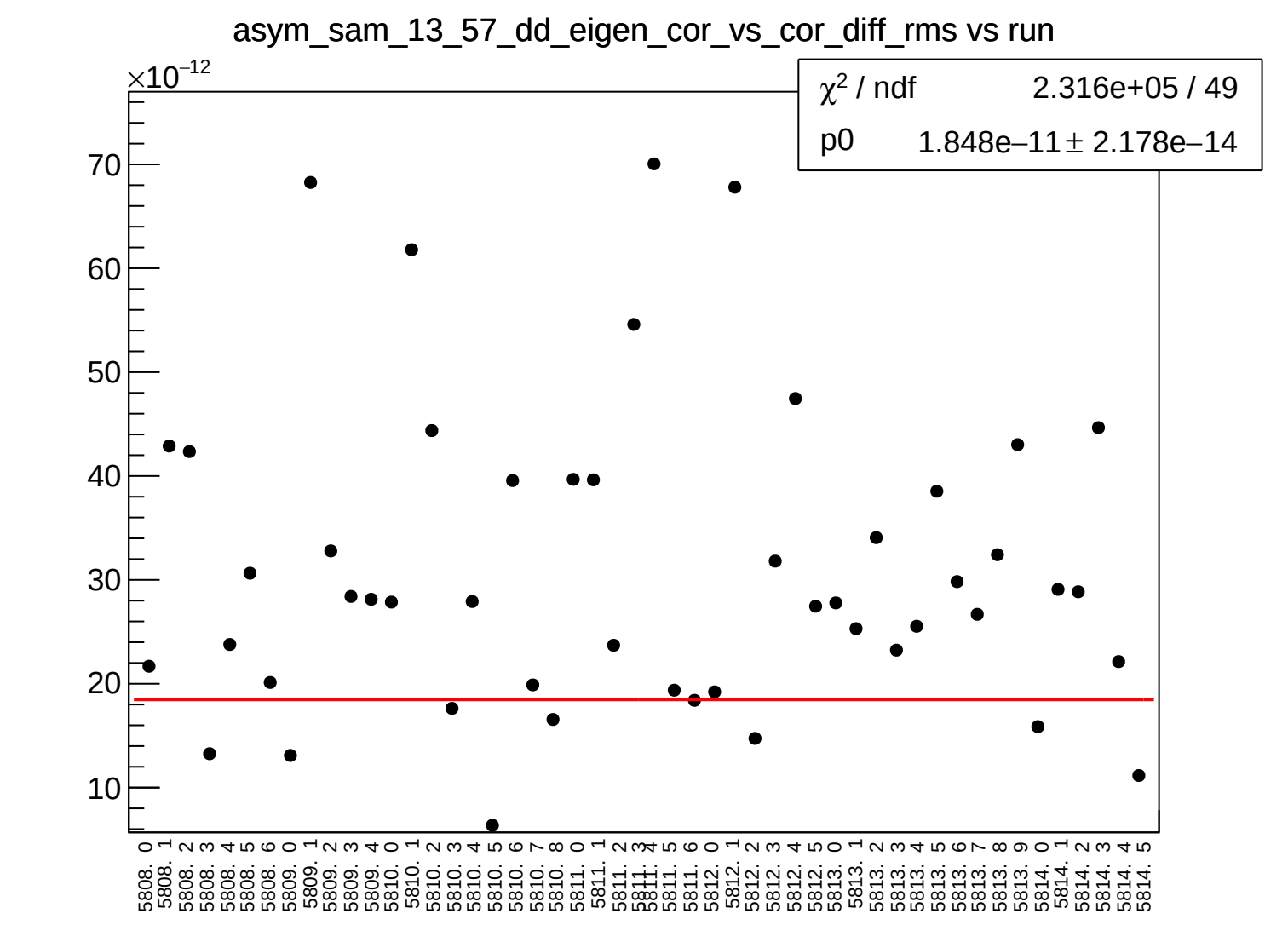
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 40.65 / 49
p0 4.724e−14 ± 3.08e−14
pull
Entries 50
Mean 15.52
Std Dev 26.79


pull1D
Entries 50
Mean −0.05873
Std Dev 0.8998


asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.316e+05 / 49
p0 1.848e−11 ± 2.178e−14
70
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 9
5814. 0
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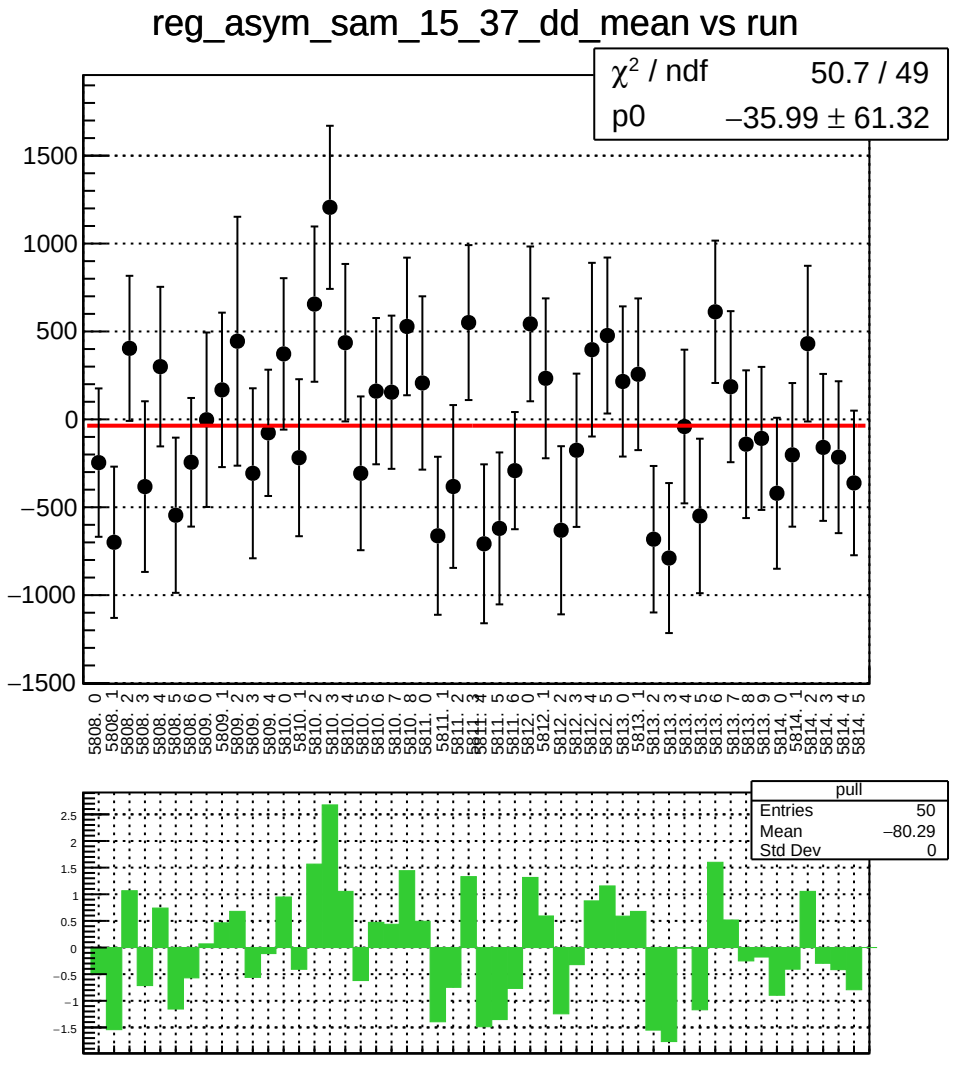
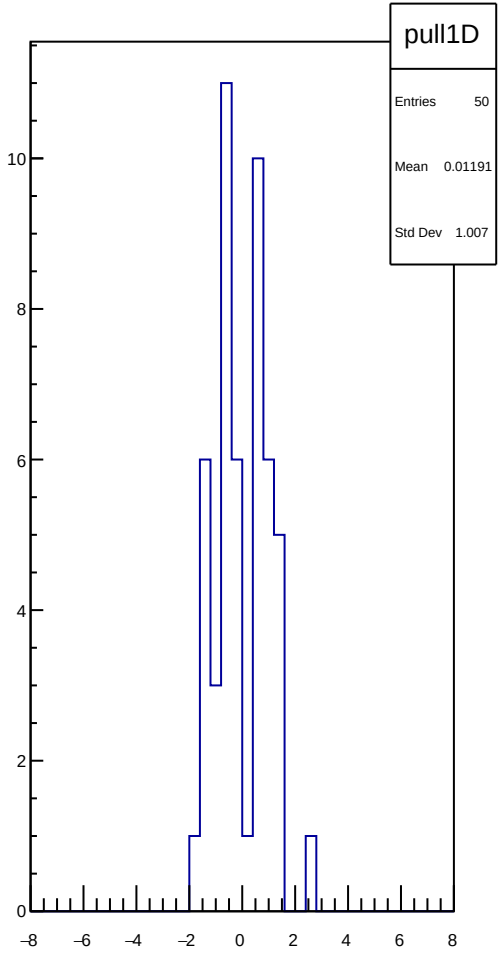
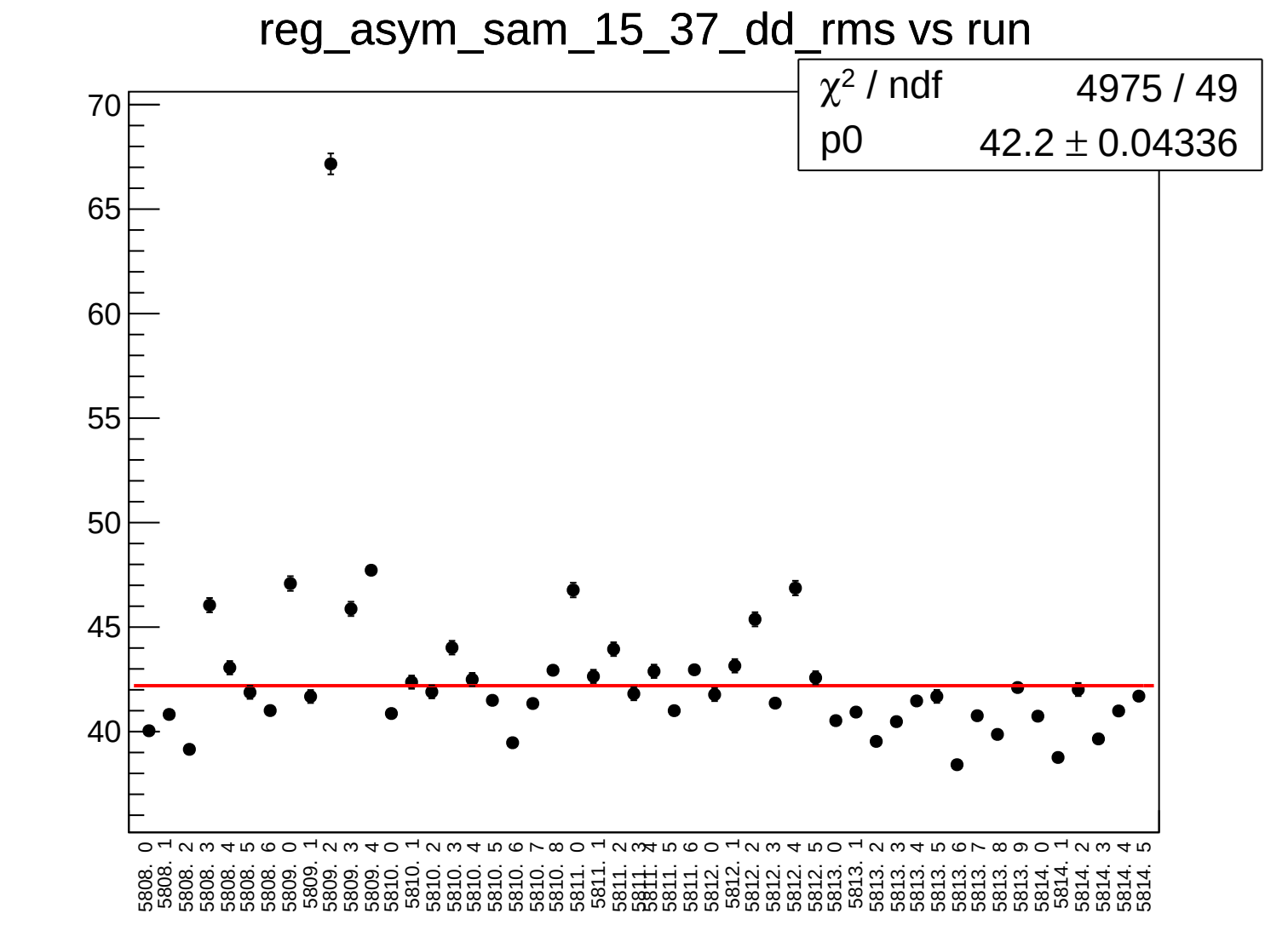
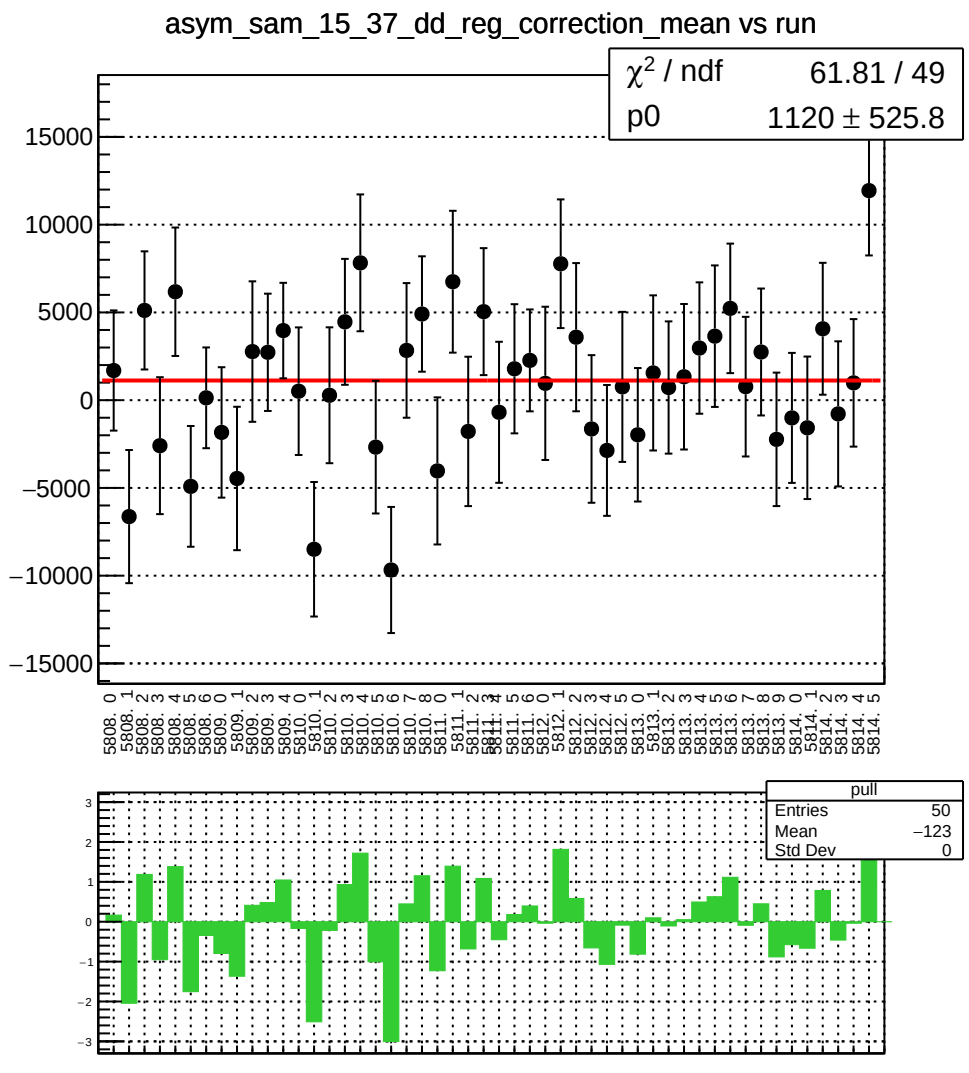
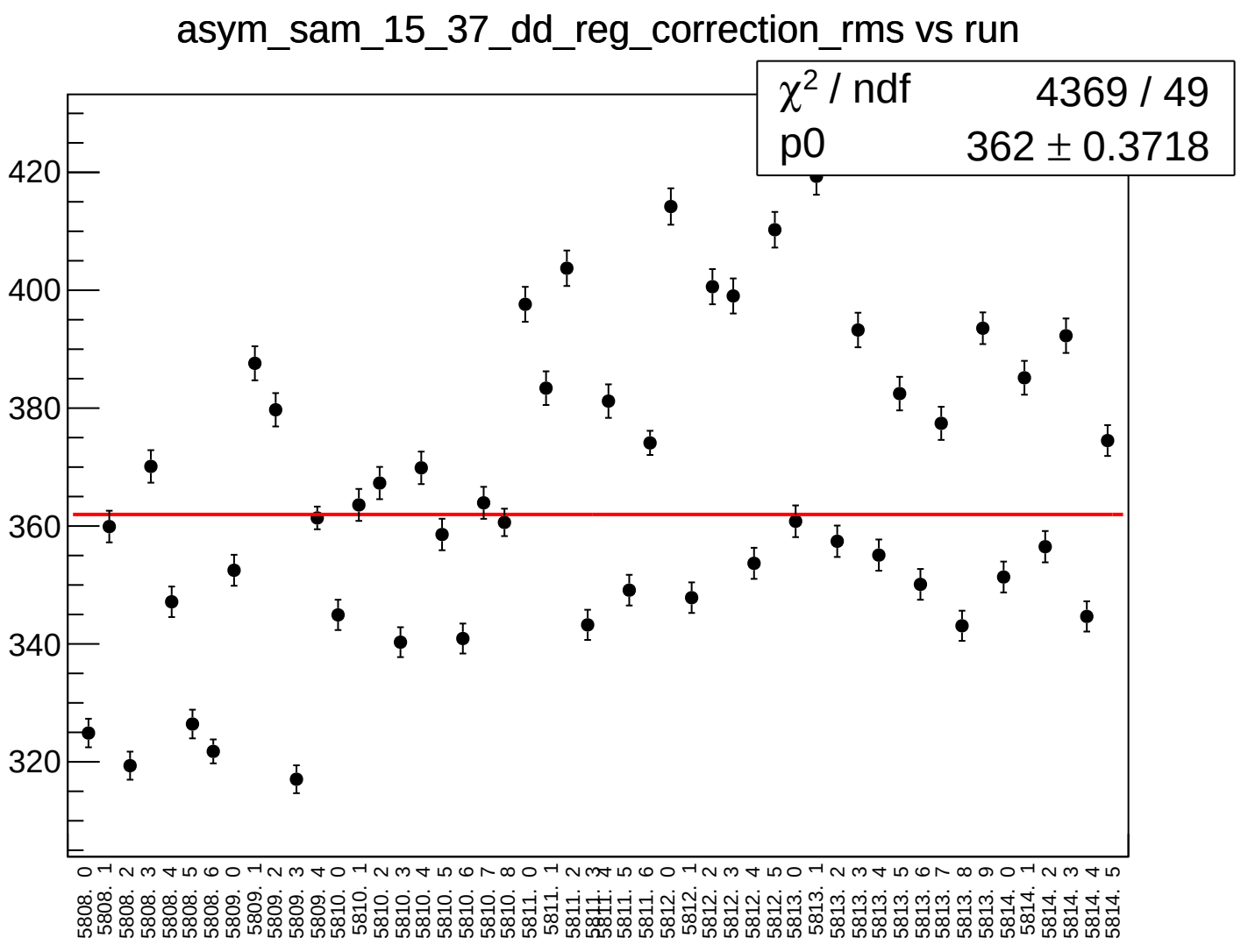
5814. 5

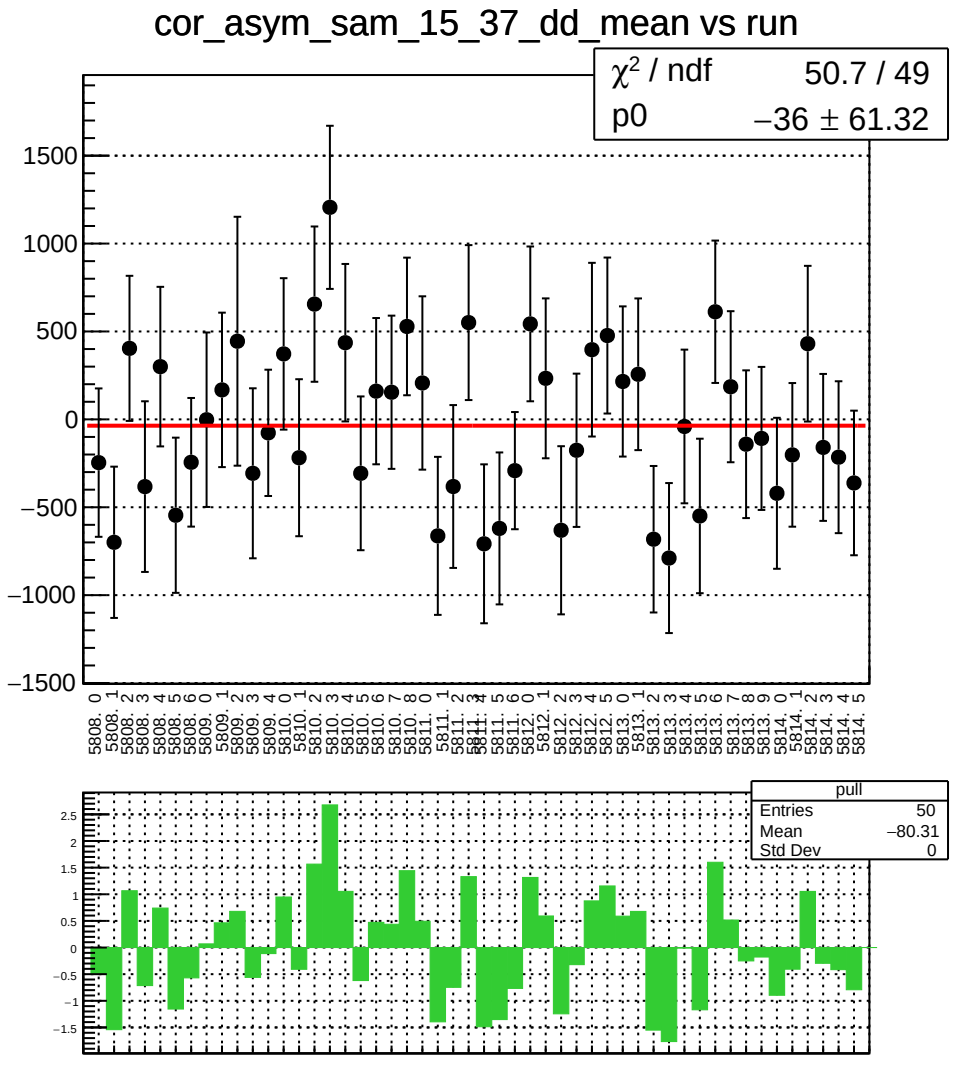

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.7 / 49
p0 −35.99 ± 61.32
pull
Entries 50
Mean −80.29
Std Dev 0

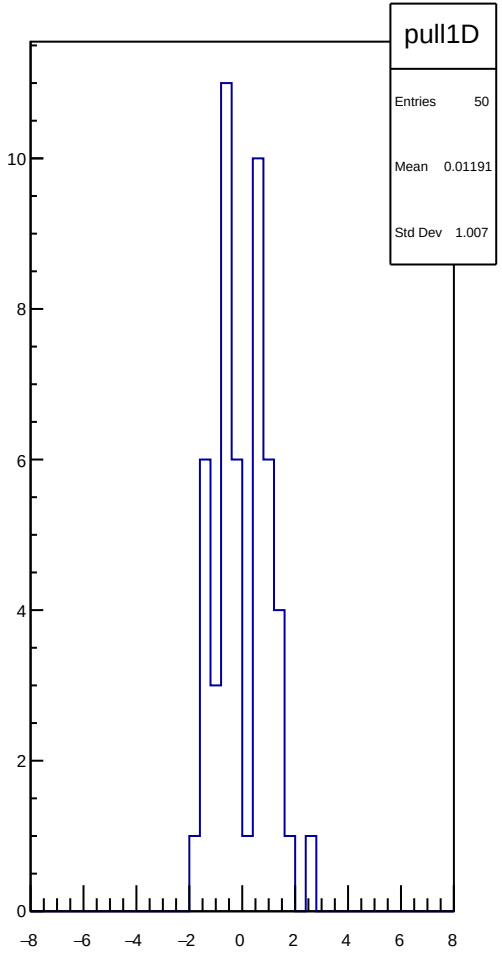

pull1D
Entries 50
Mean 0.01191
Std Dev 1.007

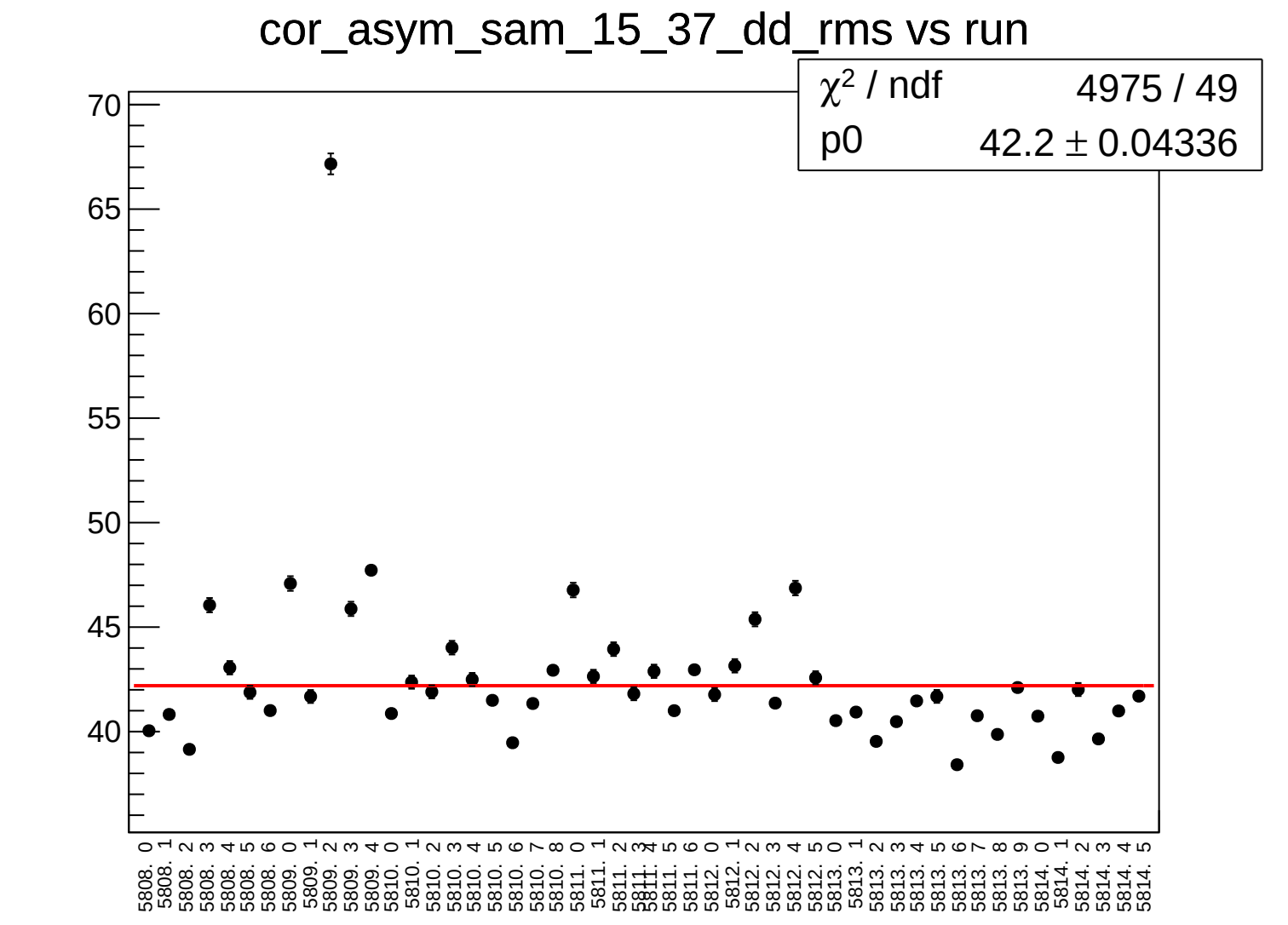

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 4975 / 49
p0 42.2 ± 0.04336
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 61.81 / 49
p0 1120 ± 525.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.02123
Std Dev 1.112
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 4369 / 49
p0 362 ± 0.3718
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.7 / 49
p0 −36 ± 61.32
pull
Entries 50
Mean −80.31
Std Dev 0


pull1D
Entries 50
Mean 0.01191
Std Dev 1.007


cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4975 / 49
p0 42.2 ± 0.04336
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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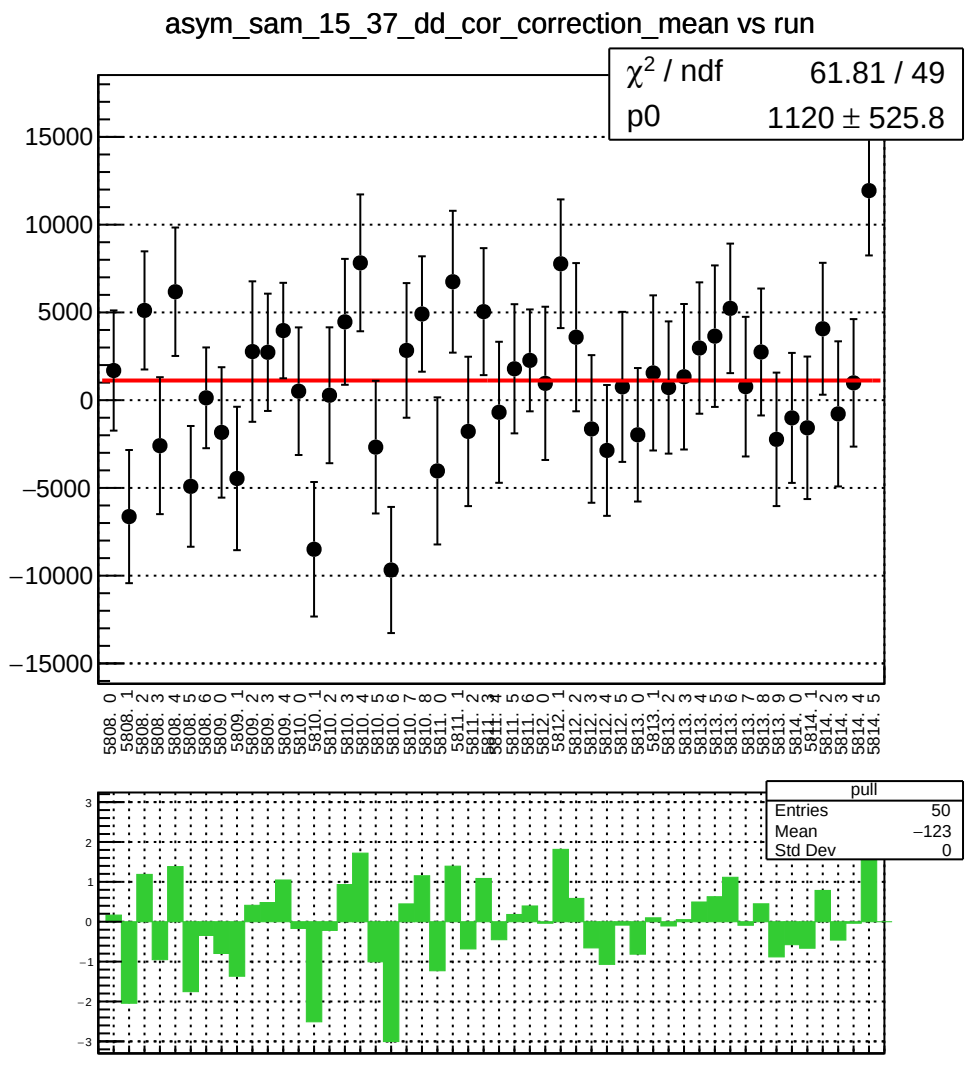
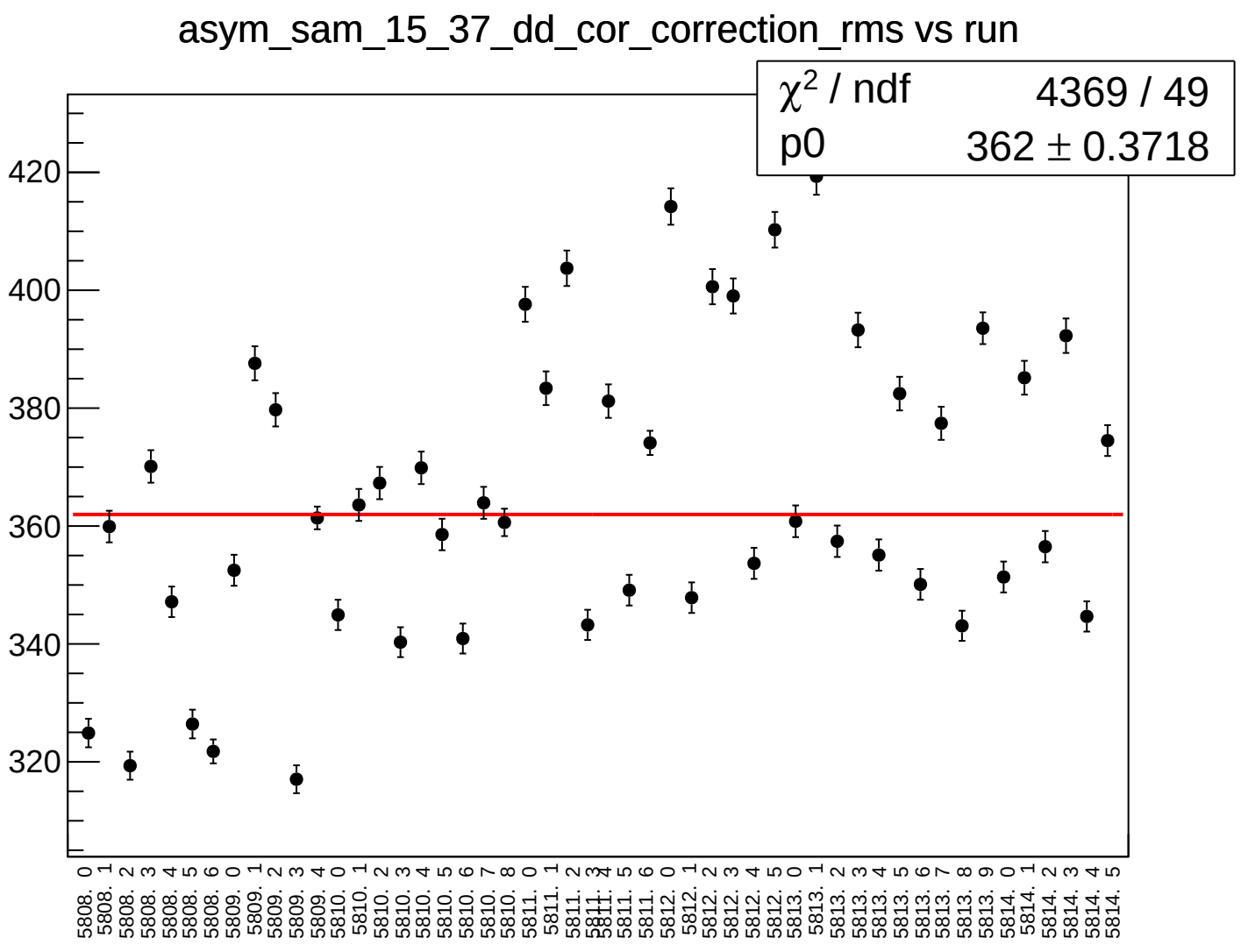
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 61.81 / 49
p0 1120 ± 525.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.02123
Std Dev 1.112
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 4369 / 49
p0 362 ± 0.3718
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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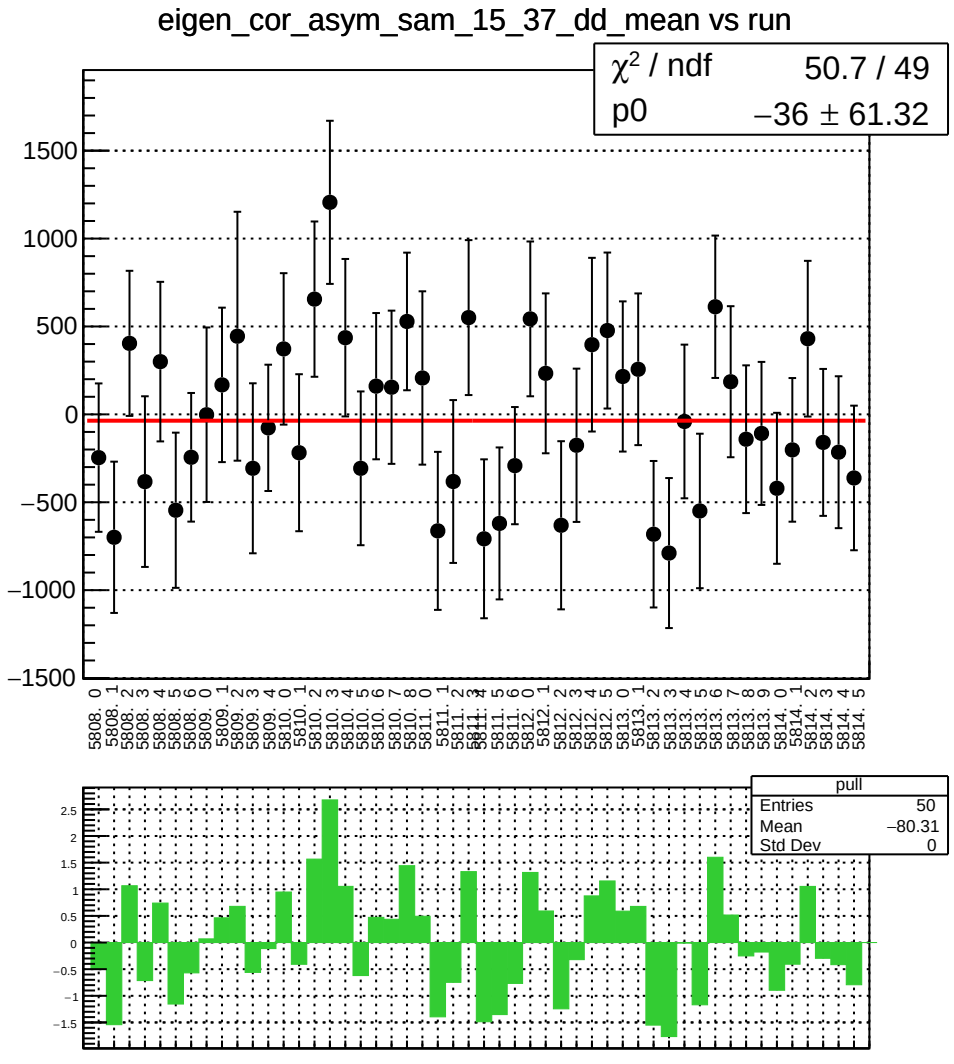
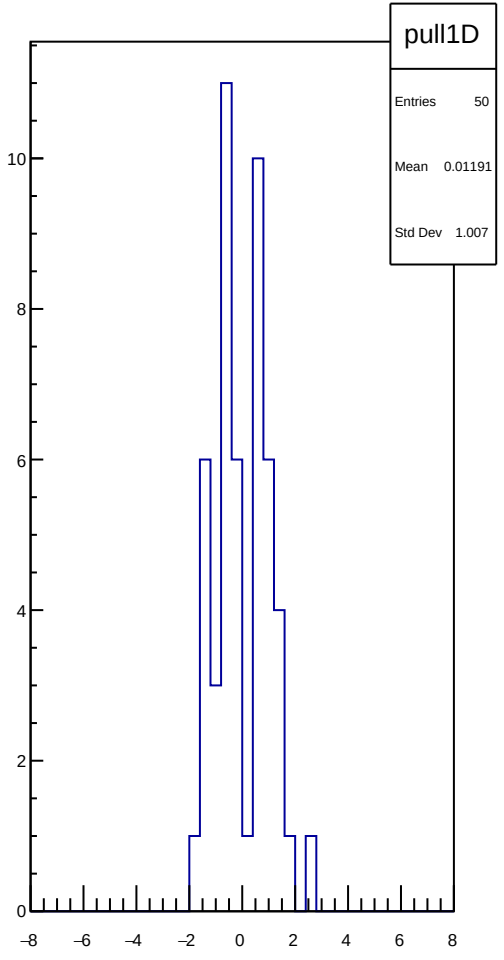
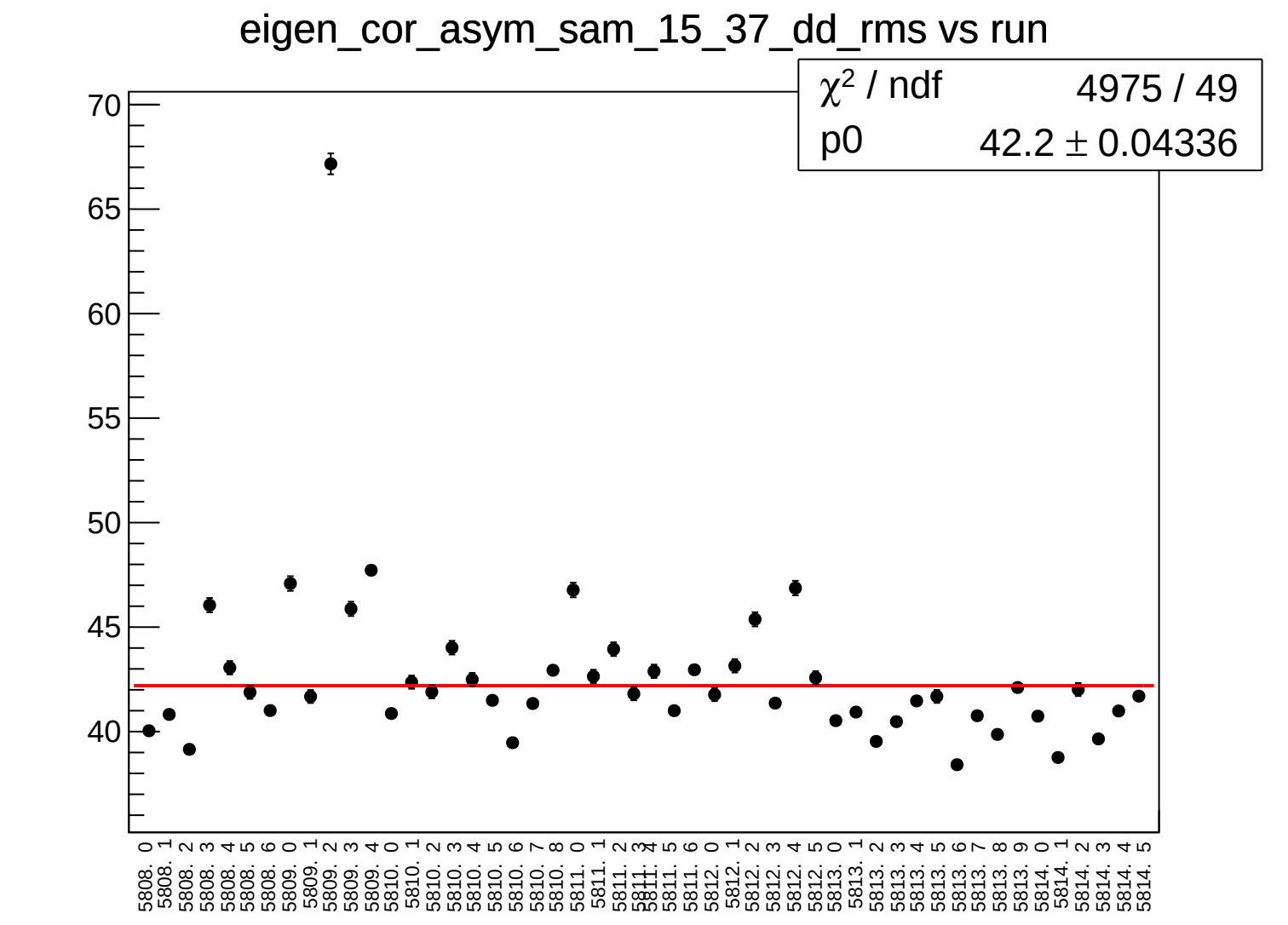
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 50.7 / 49
p0 −36 ± 61.32
pull
Entries 50
Mean −80.31
Std Dev 0


pull1D
Entries 50
Mean 0.01191
Std Dev 1.007


eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 4975 / 49
p0 42.2 ± 0.04336
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
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5810. 8
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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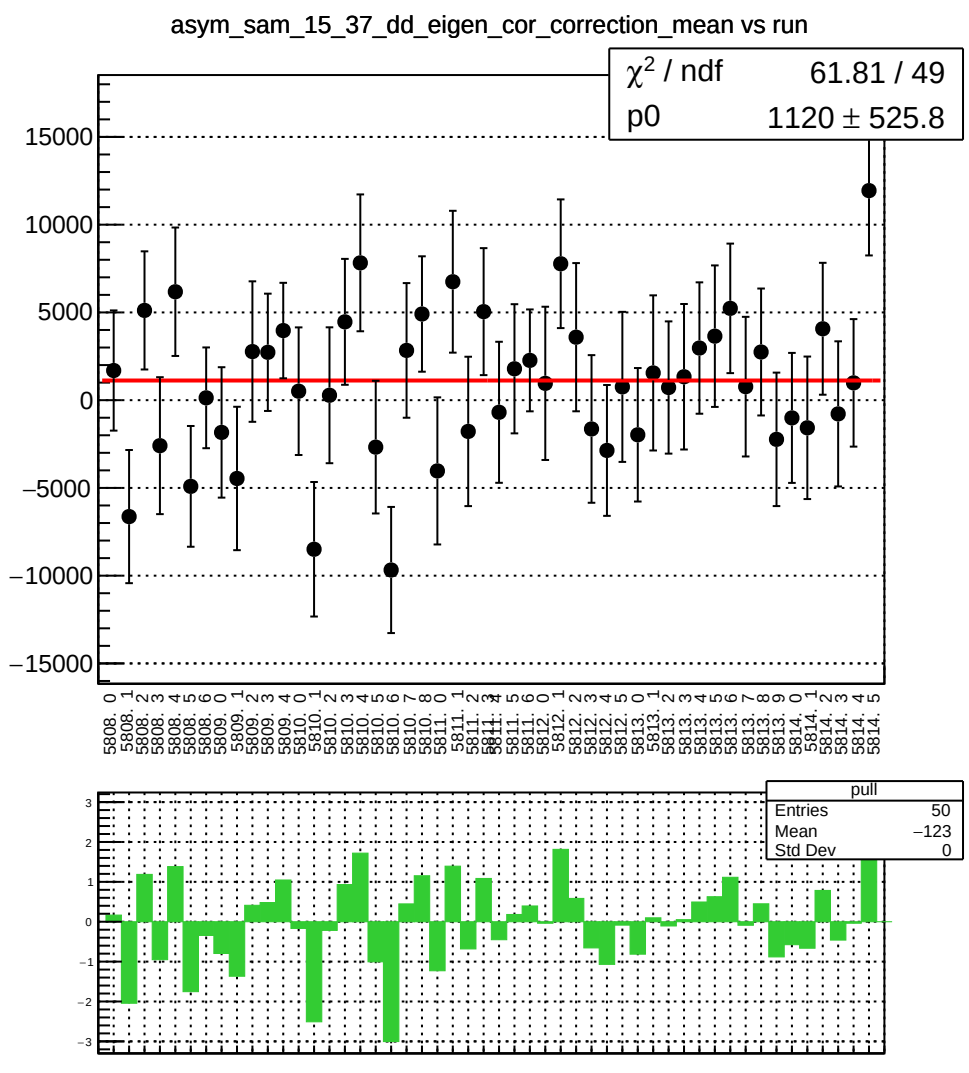
5814. 4
5814. 5


asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 61.81 / 49
p0 1120 ± 525.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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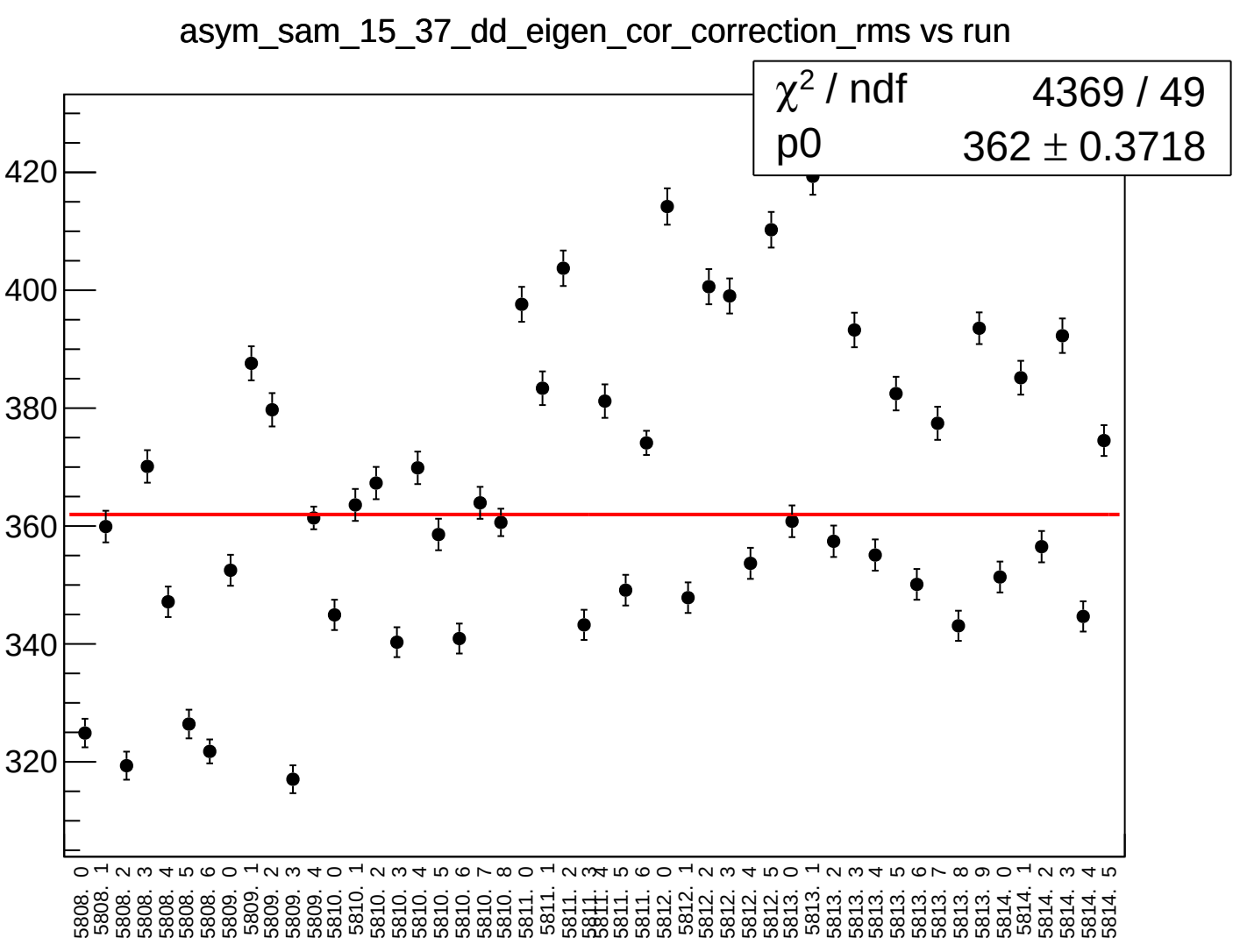
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −123
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.02123
Std Dev 1.112
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4369 / 49
p0 362 ± 0.3718
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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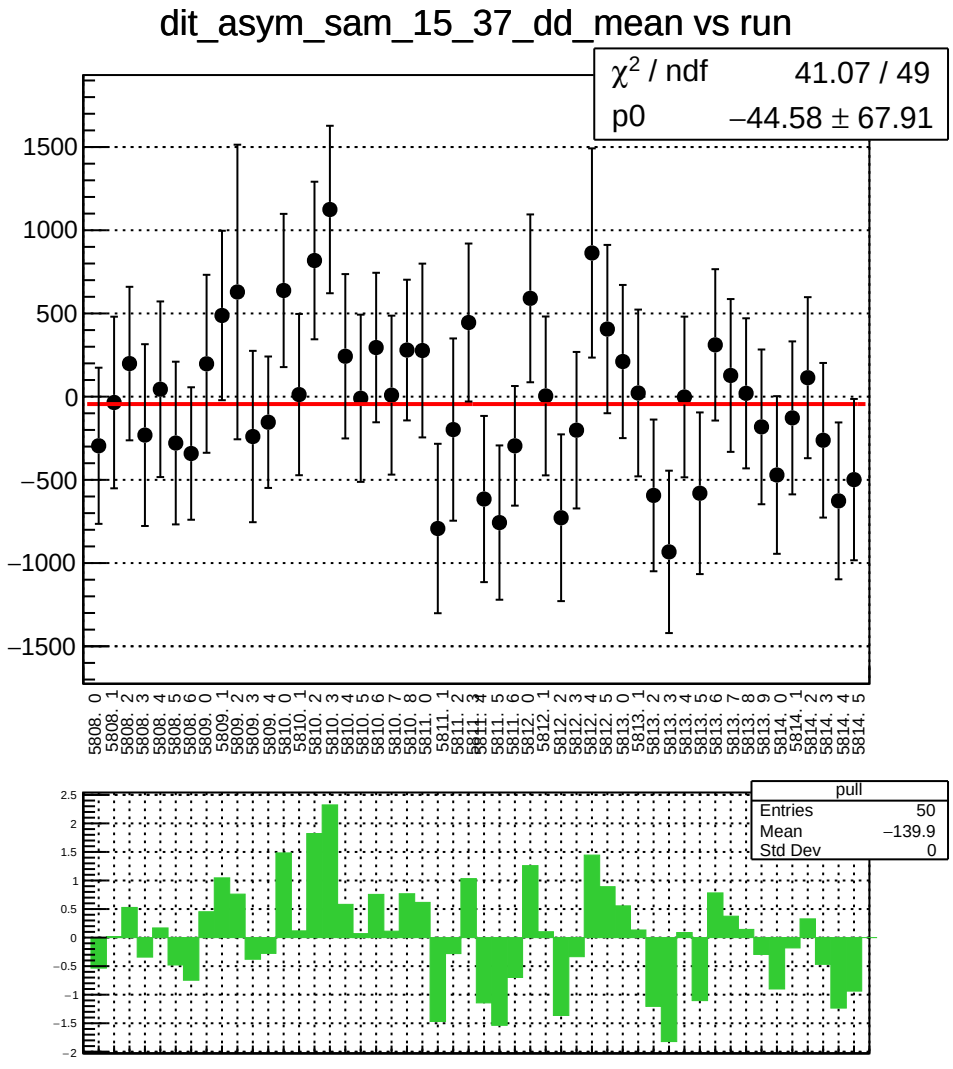
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 41.07 / 49
p0 −44.58 ± 67.91
1500
1000
500
0
−500
−1000
−1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 5
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5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
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5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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5812. 4
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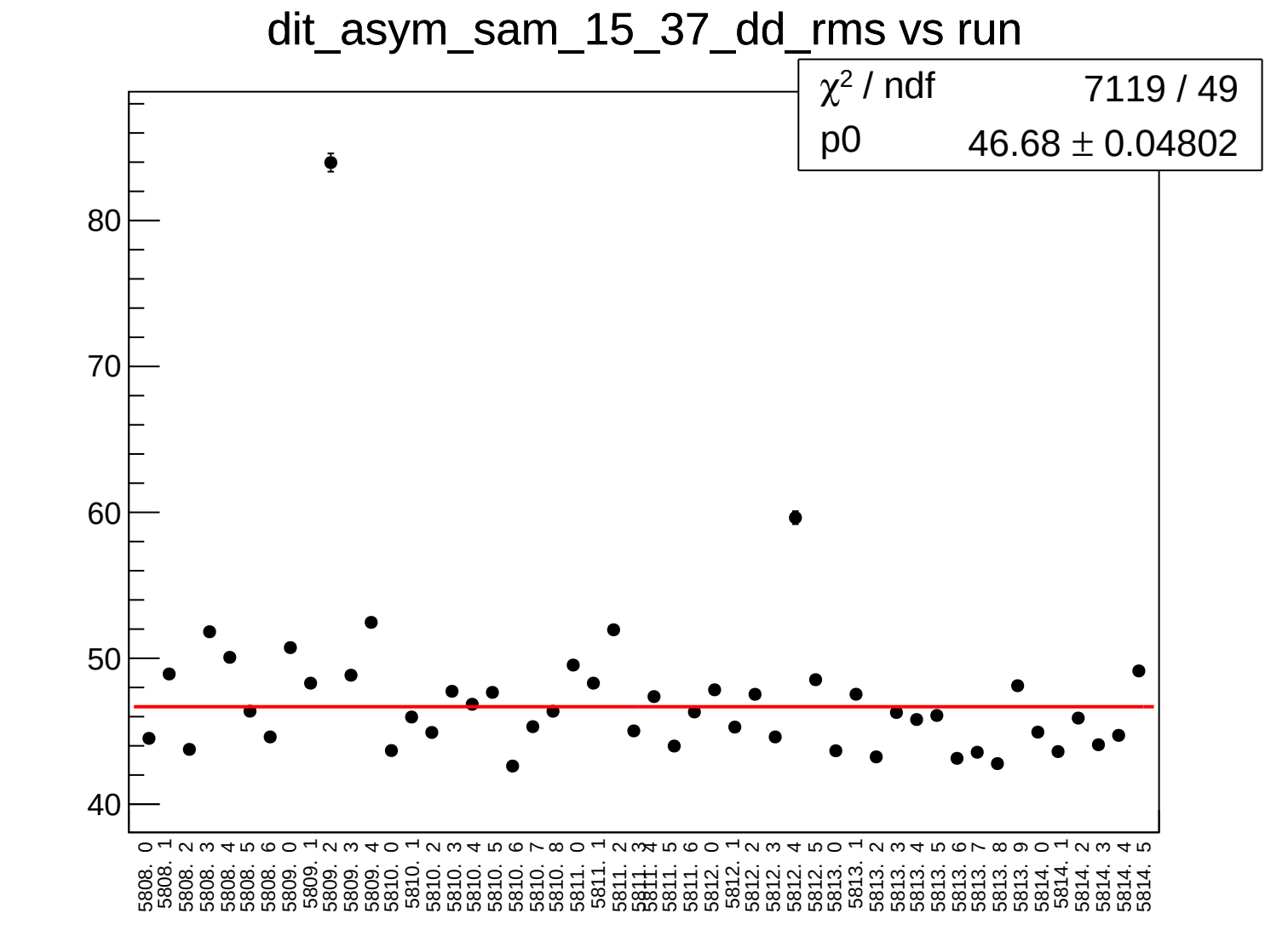
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02075
Std Dev 0.9061
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 7119 / 49
p0 46.68 ± 0.04802
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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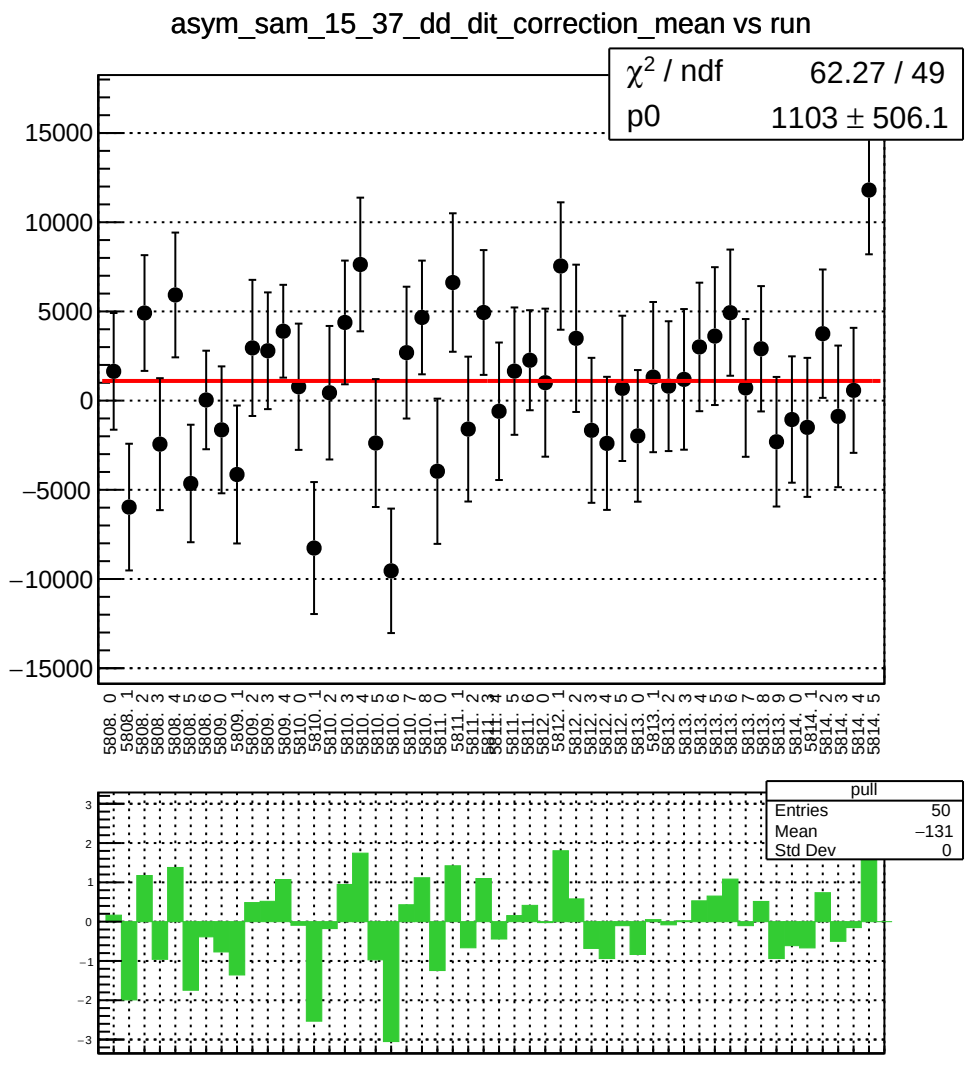
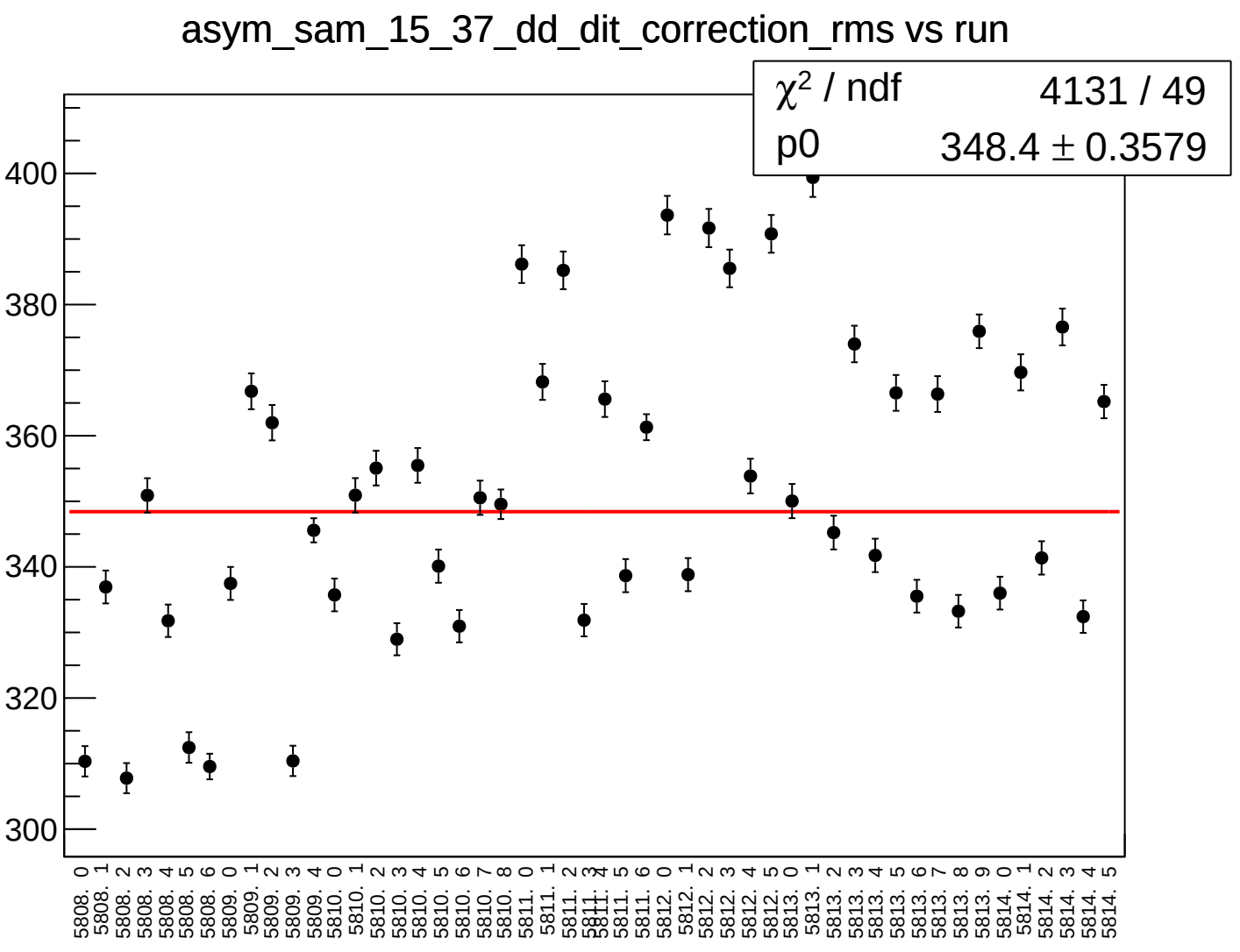
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 62.27 / 49
p0 1103 ± 506.1
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −131
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0191
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_dit_correction_rms vs run
χ² / ndf 4131 / 49
p0 348.4 ± 0.3579
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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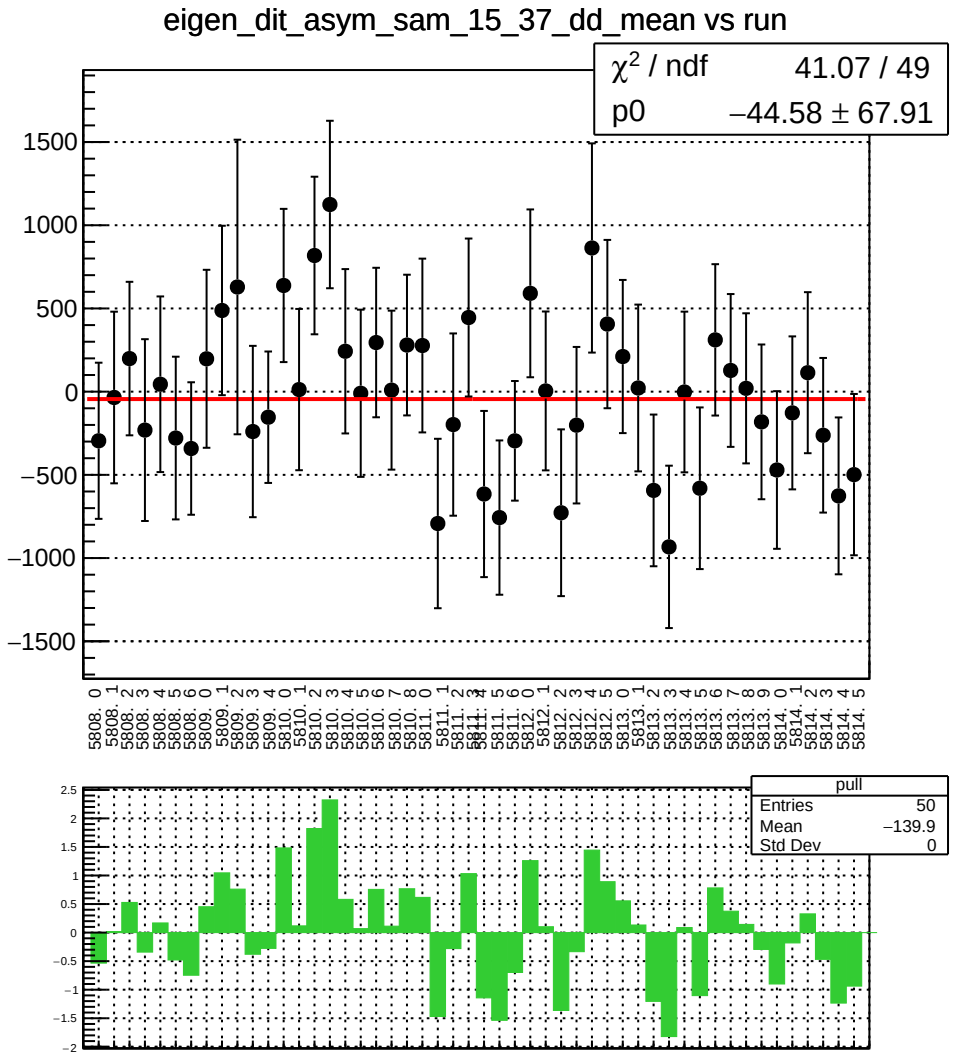
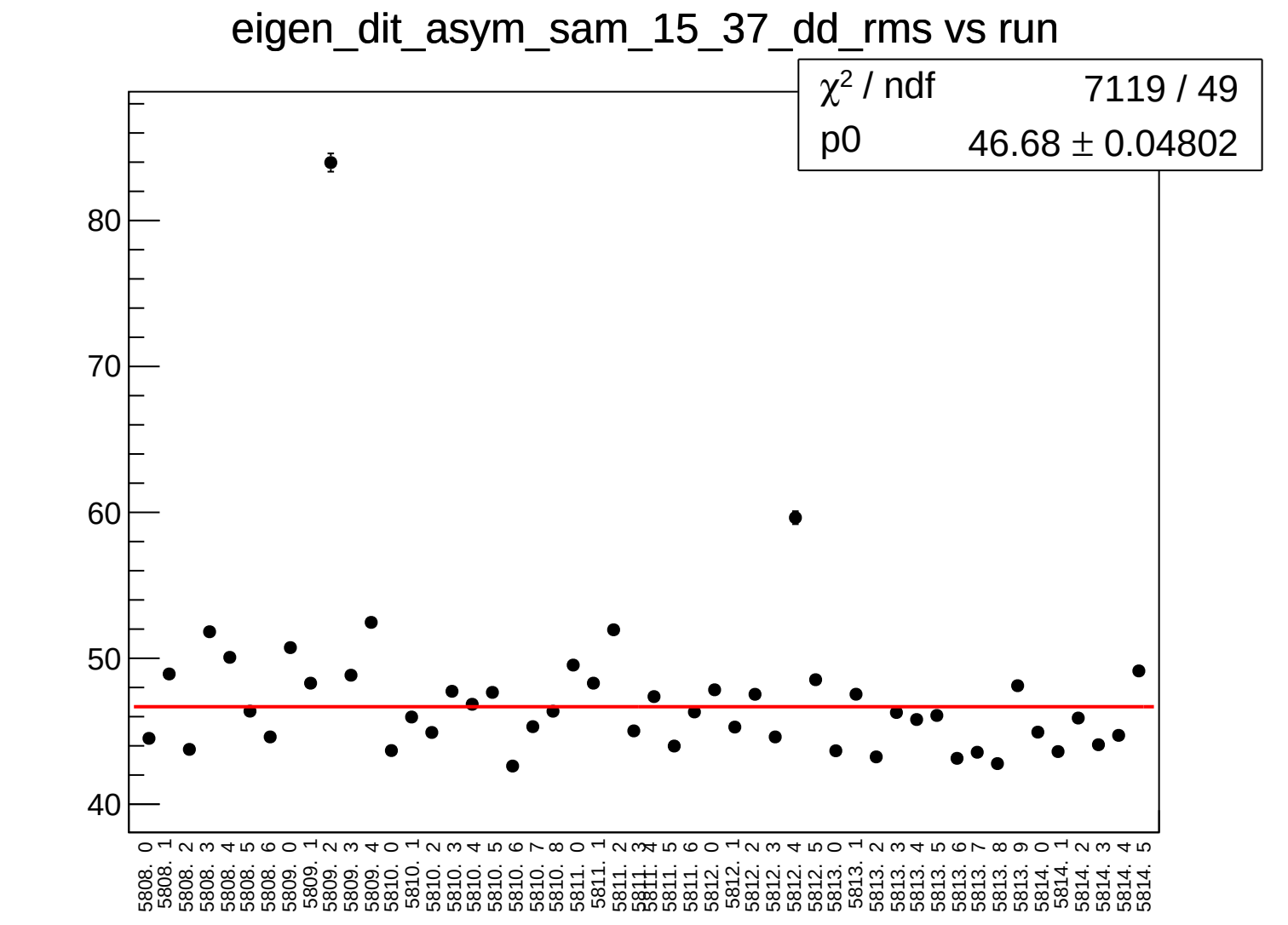
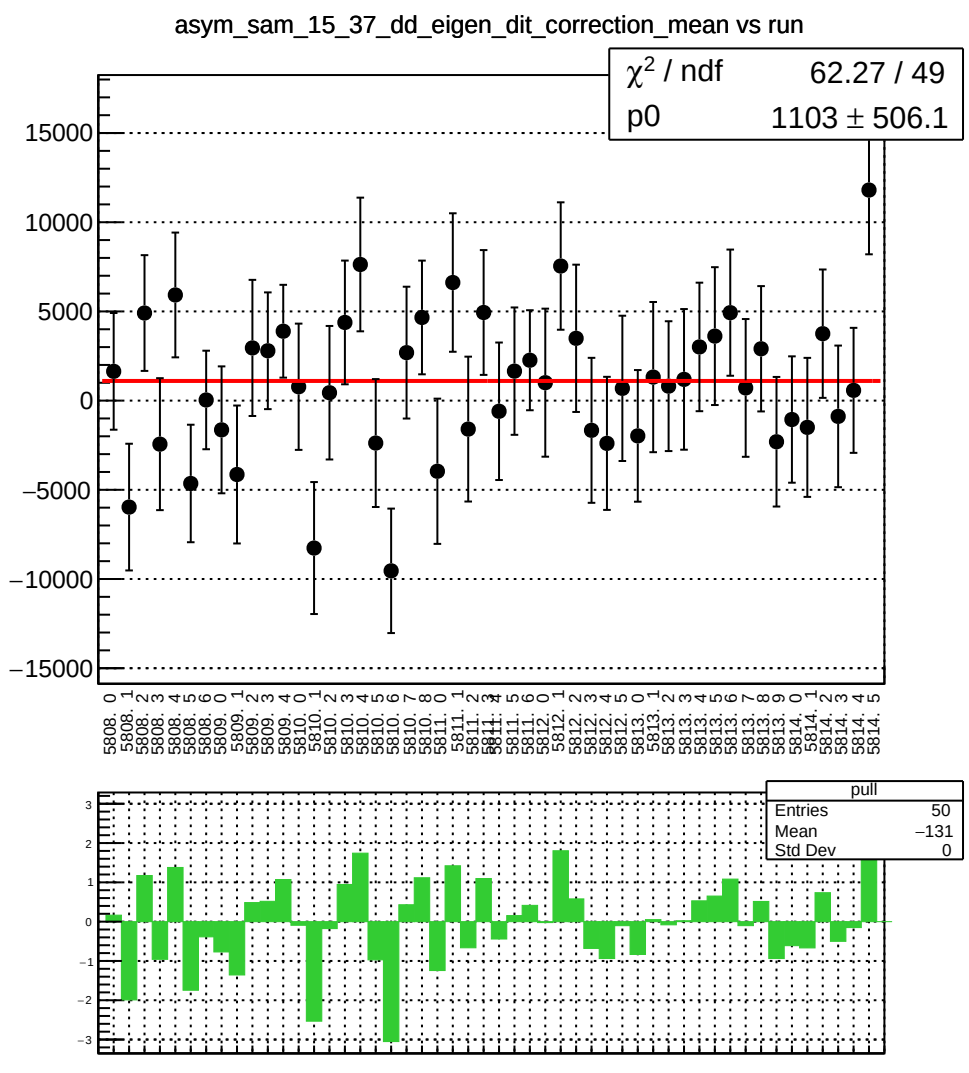
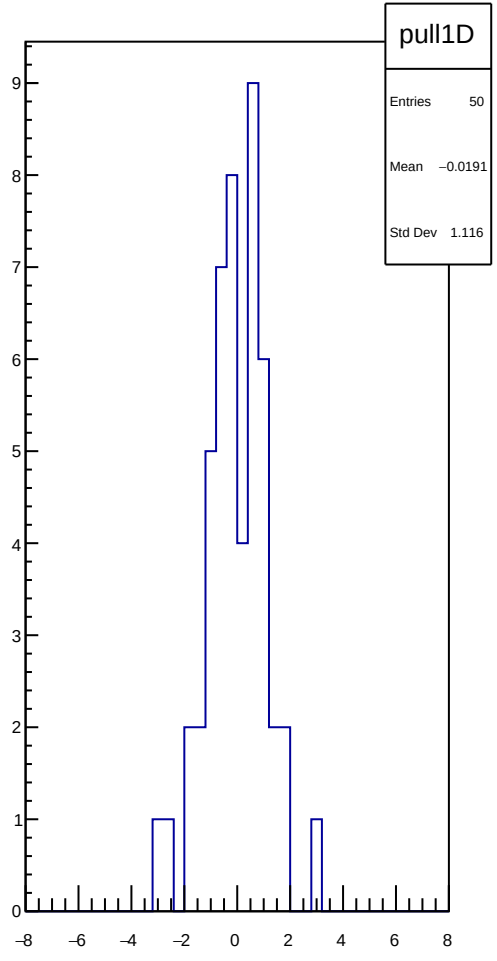
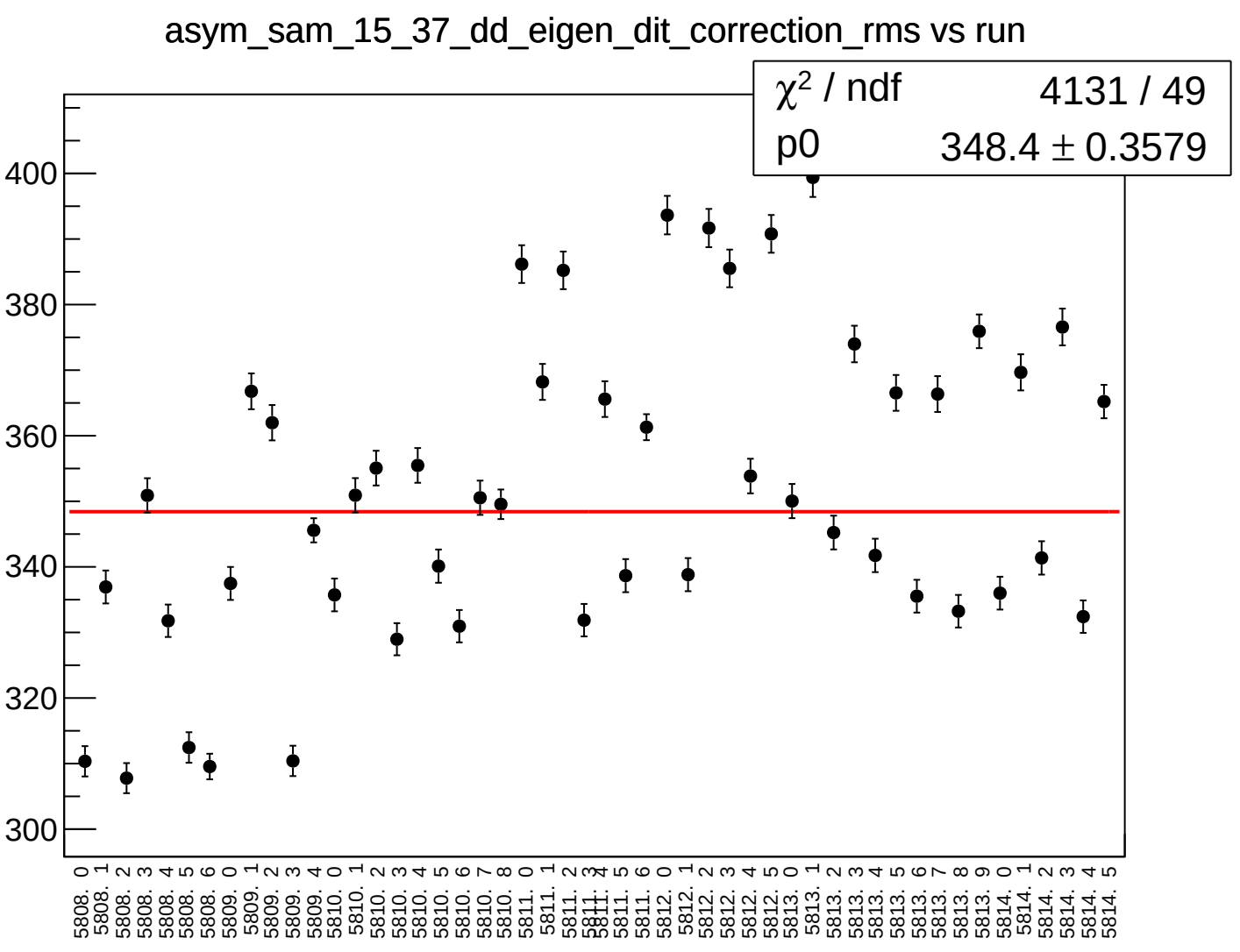
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

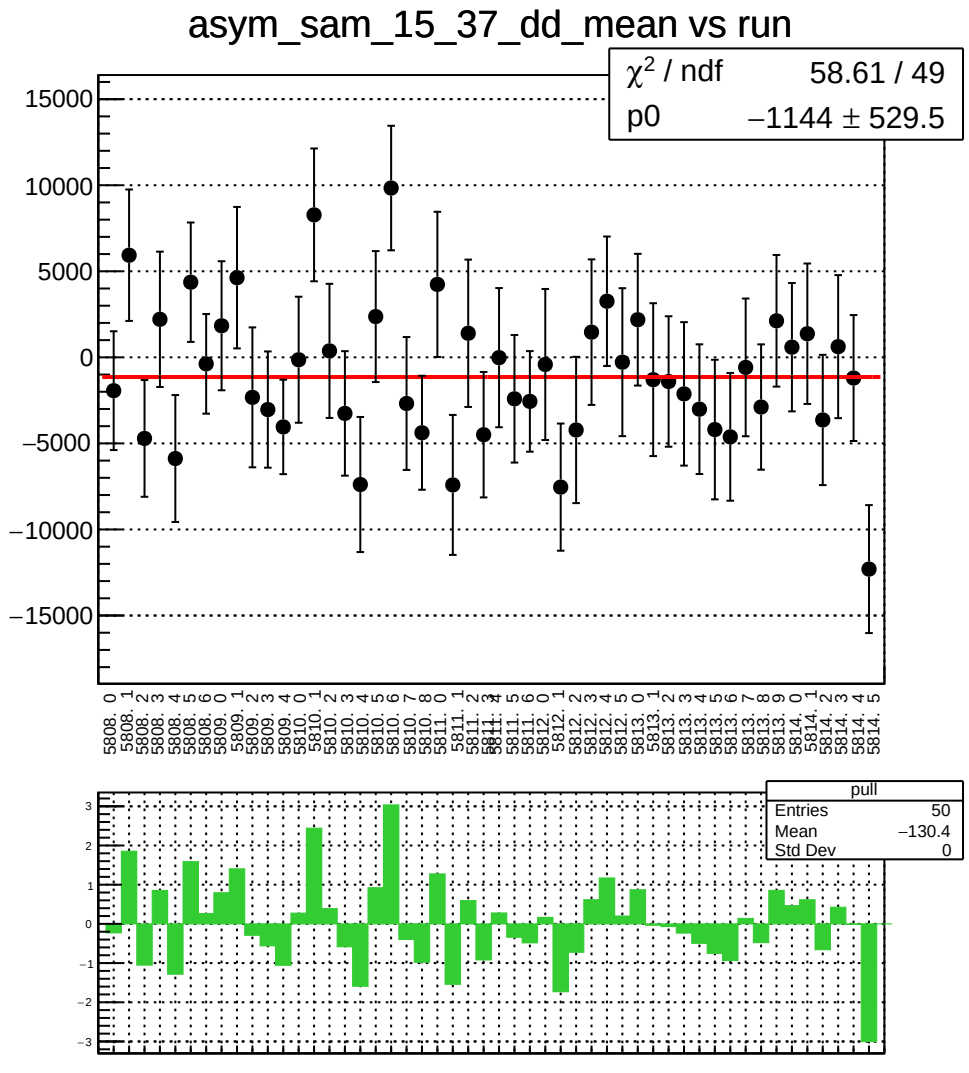

eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 41.07 / 49
p0 −44.58 ± 67.91
1500
1000
500
0
−500
−1000
−1500
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −139.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.02075
Std Dev 0.906
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

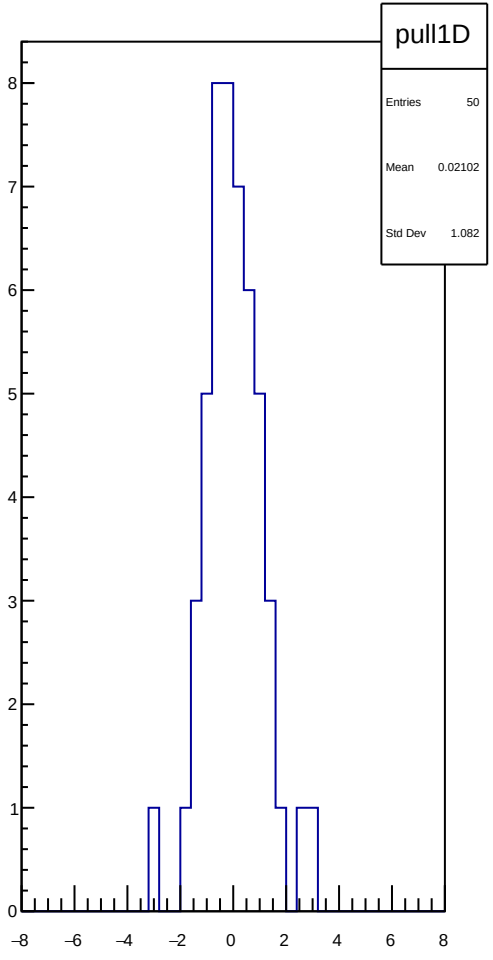

eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 7119 / 49
p0 46.68 ± 0.04802
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

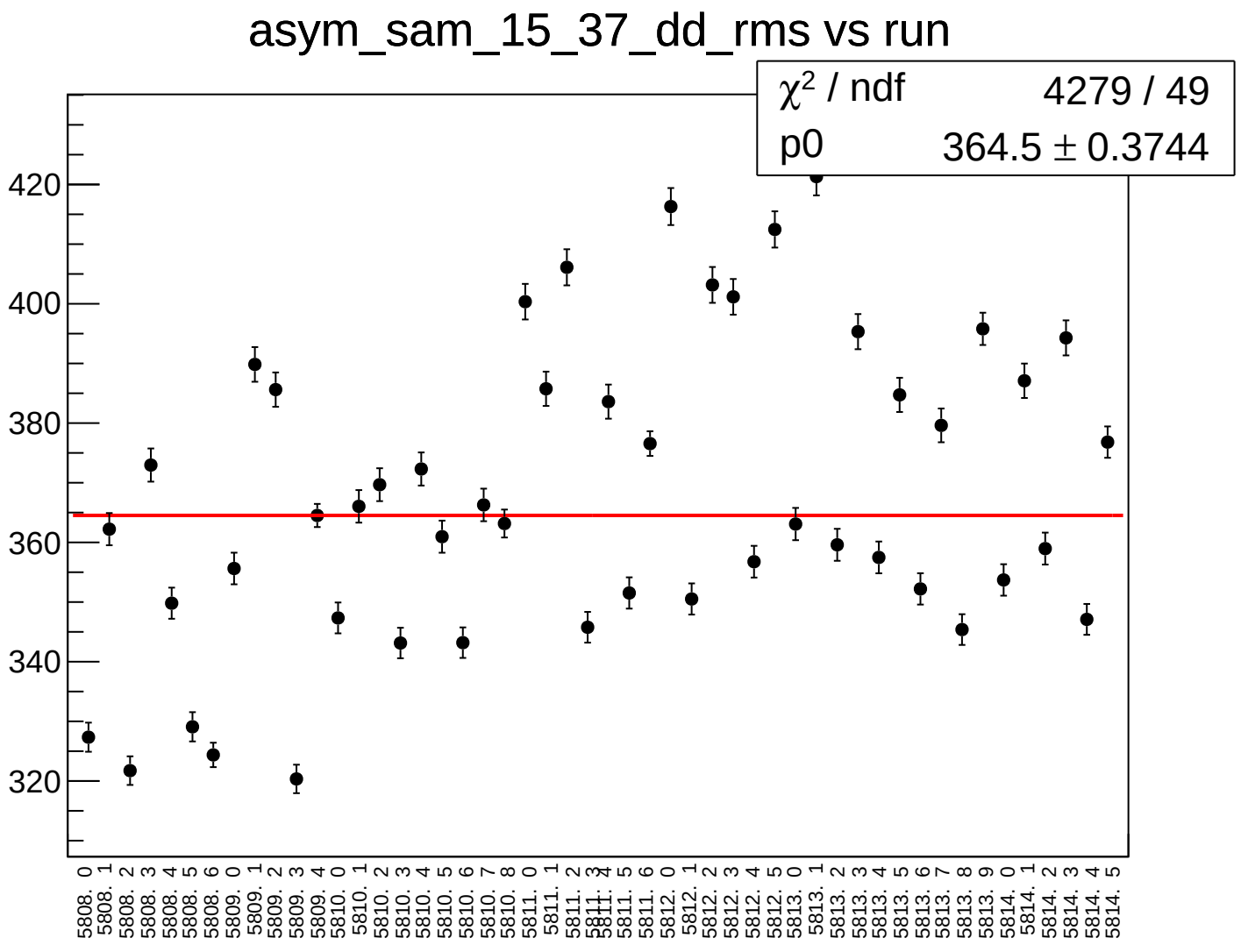

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 62.27 / 49
p0 1103 ± 506.1
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean −131
Std Dev 0

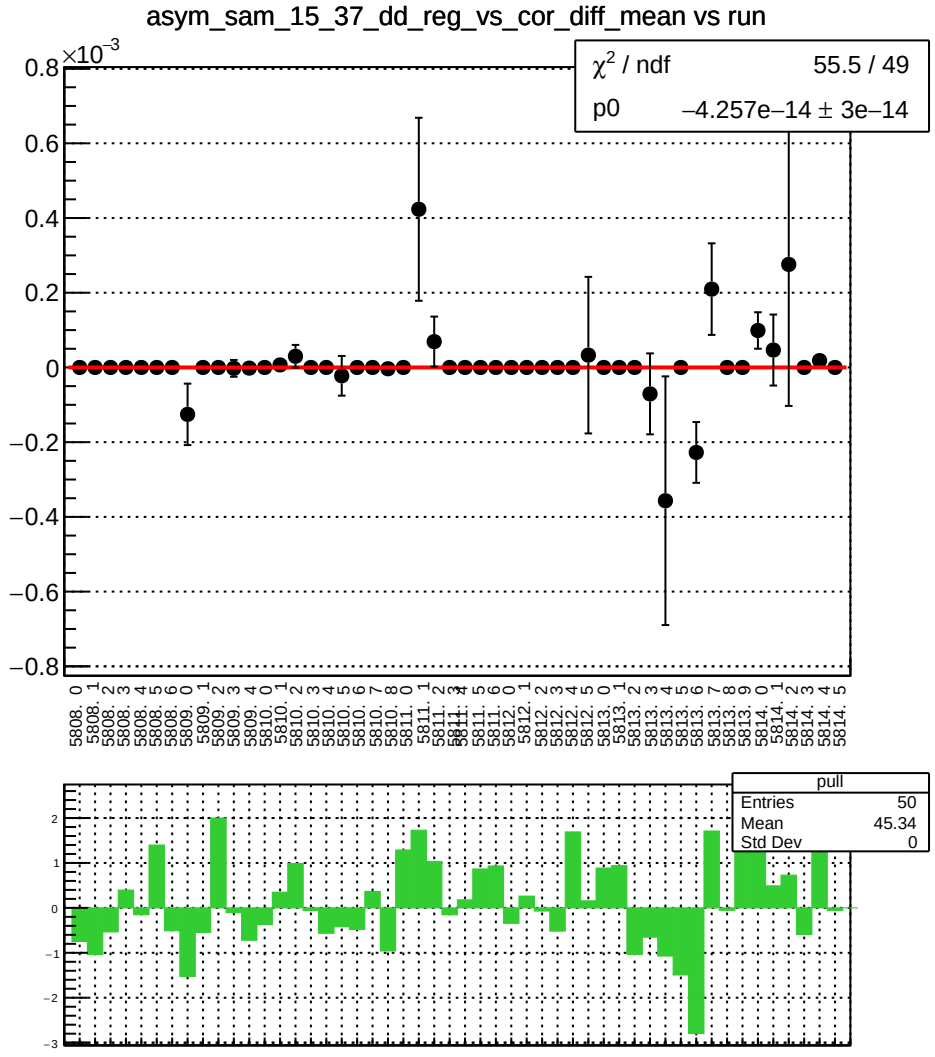

pull1D
Entries 50
Mean −0.0191
Std Dev 1.116

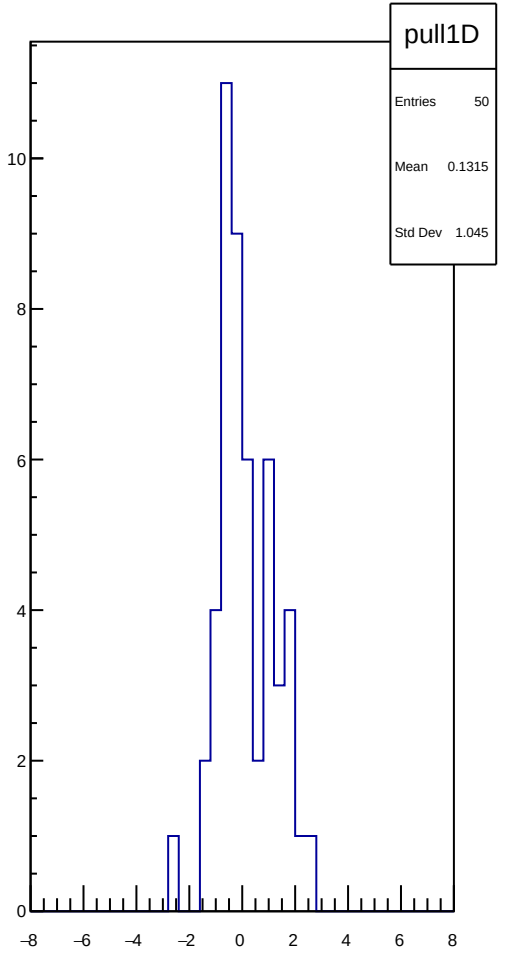

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4131 / 49
p0 348.4 ± 0.3579
400
380
360
340
320
300
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

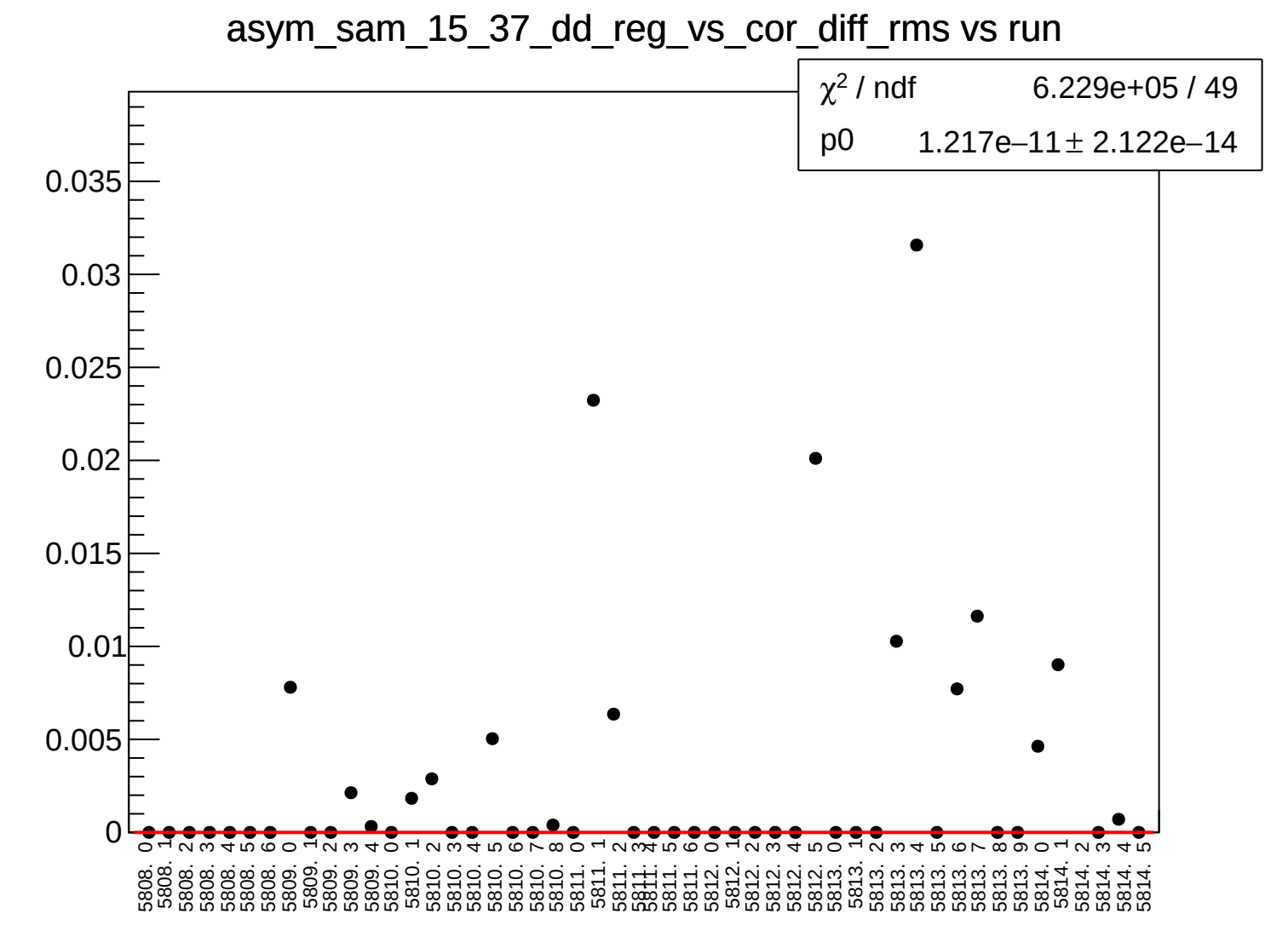

asym_sam_15_37_dd_mean vs run
χ² / ndf 58.61 / 49
p0 −1144 ± 529.5
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −130.4
Std Dev 0
3
2
1
0
−1
−2
−3

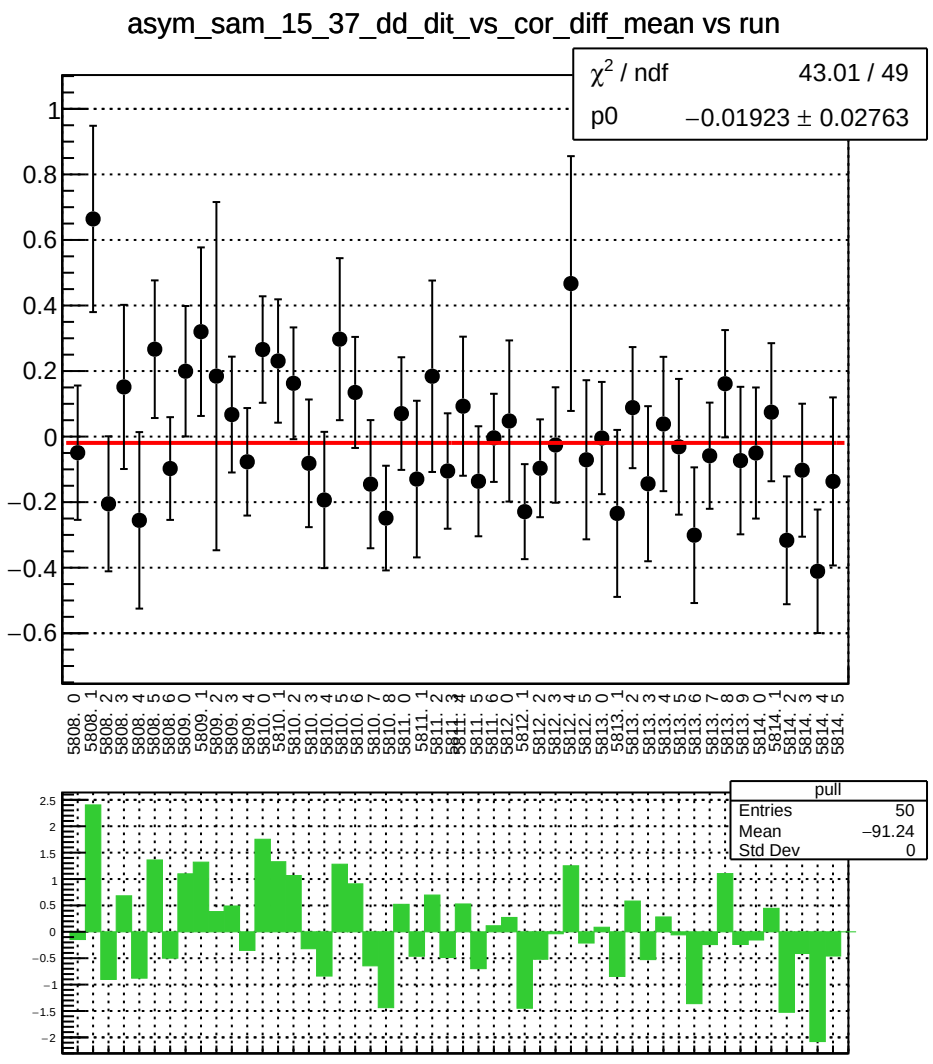

pull1D
Entries 50
Mean 0.02102
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

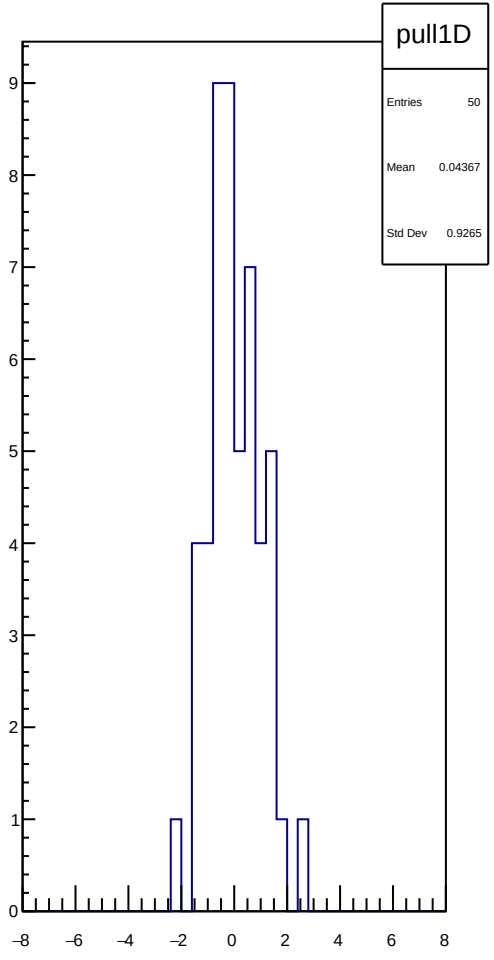

asym_sam_15_37_dd_rms vs run
χ² / ndf 4279 / 49
p0 364.5 ± 0.3744
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

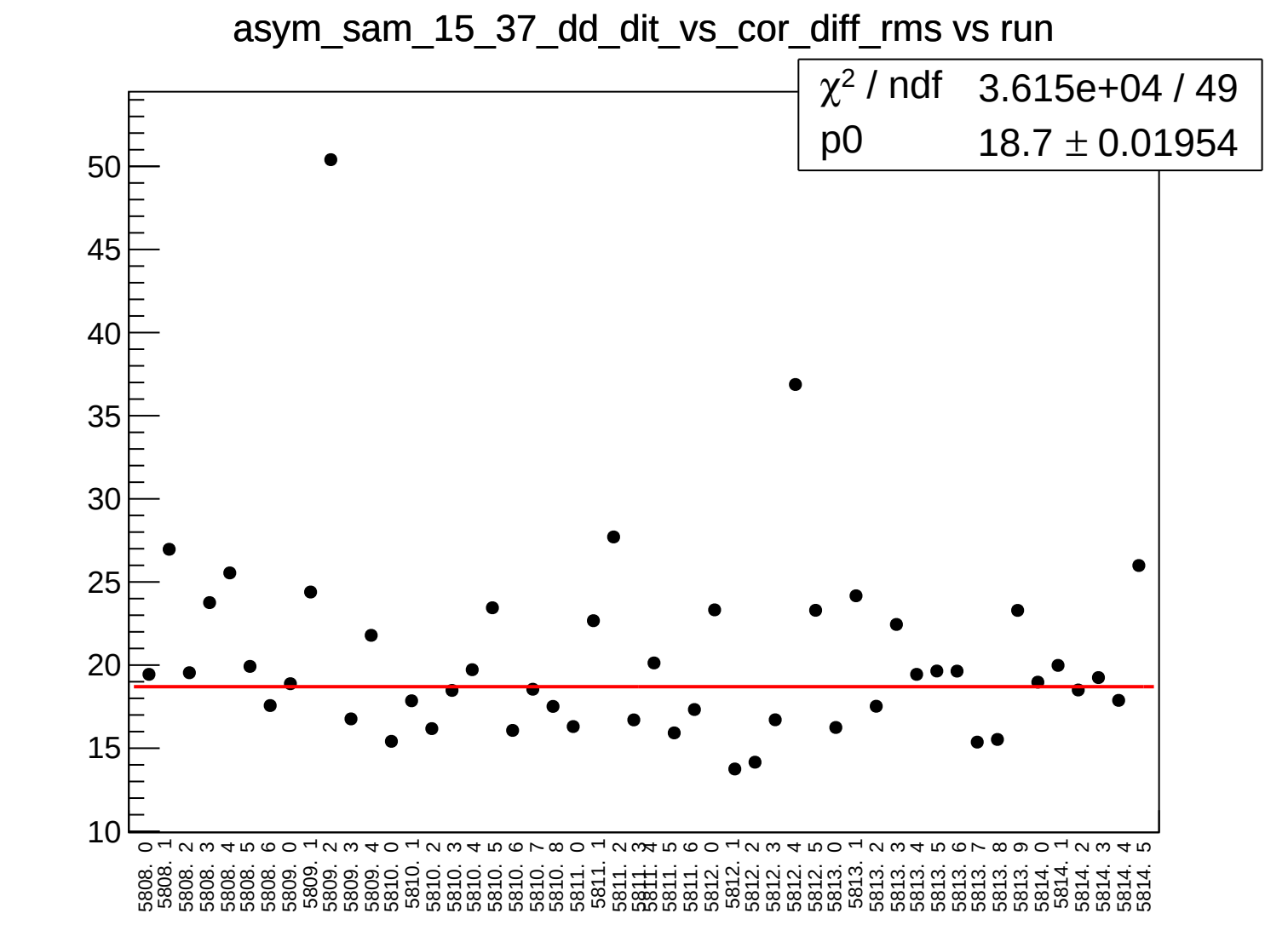

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.5 / 49
p0 –4.257e–14 ± 3e–14
pull
Entries 50
Mean 45.34
Std Dev 0


pull1D
Entries 50
Mean 0.1315
Std Dev 1.045


asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 6.229e+05 / 49
p0 1.217e−11 ± 2.122e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.01 / 49
p0 −0.01923 ± 0.02763
pull
Entries 50
Mean −91.24
Std Dev 0


pull1D
Entries 50
Mean 0.04367
Std Dev 0.9265


asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 49
p0 18.7 ± 0.01954
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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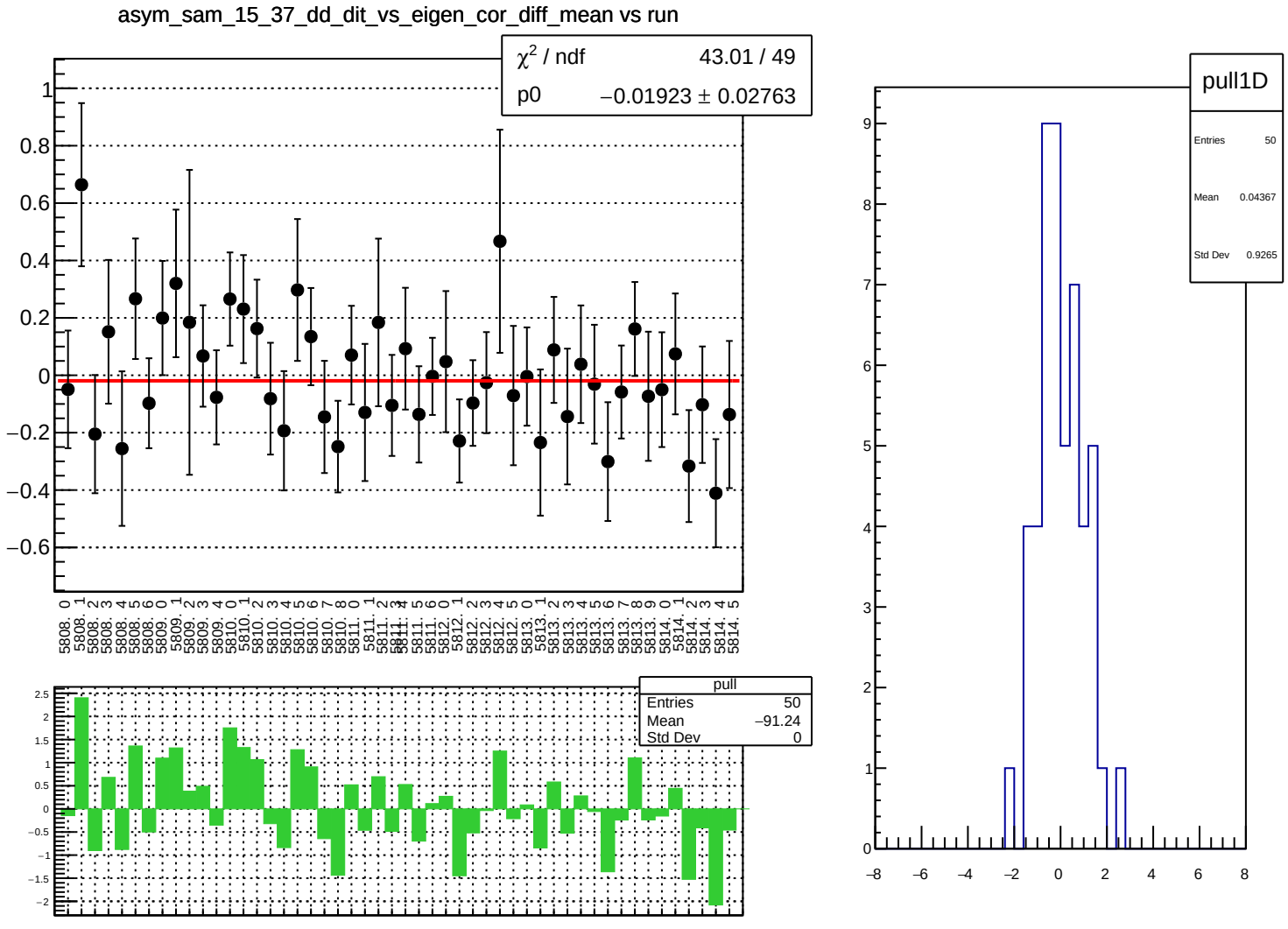
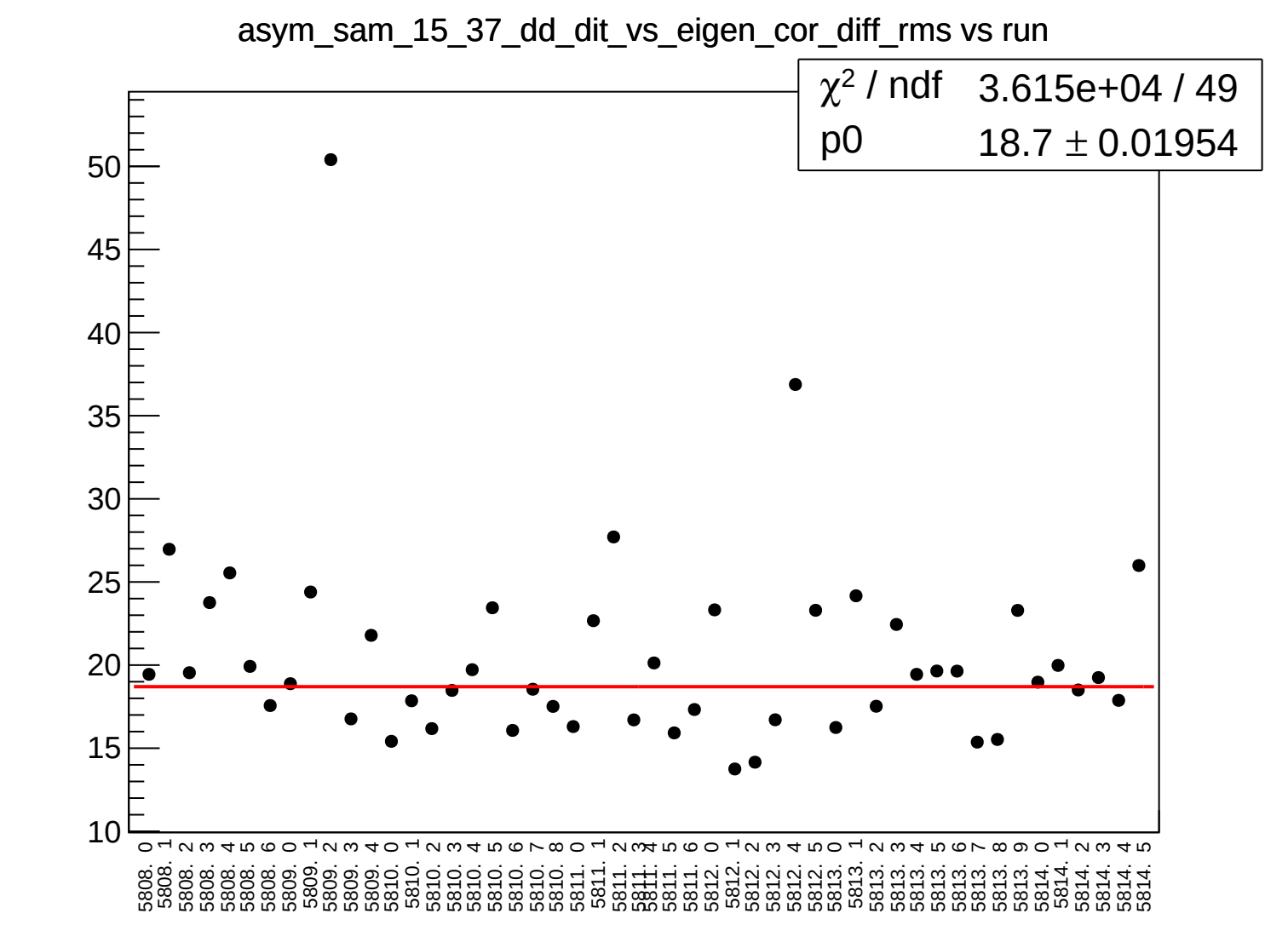
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.01 / 49
p0 −0.01923 ± 0.02763
pull
Entries 50
Mean −91.24
Std Dev 0
pull1D
Entries 50
Mean 0.04367
Std Dev 0.9265


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.615e+04 / 49
p0 18.7 ± 0.01954
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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5814. 2
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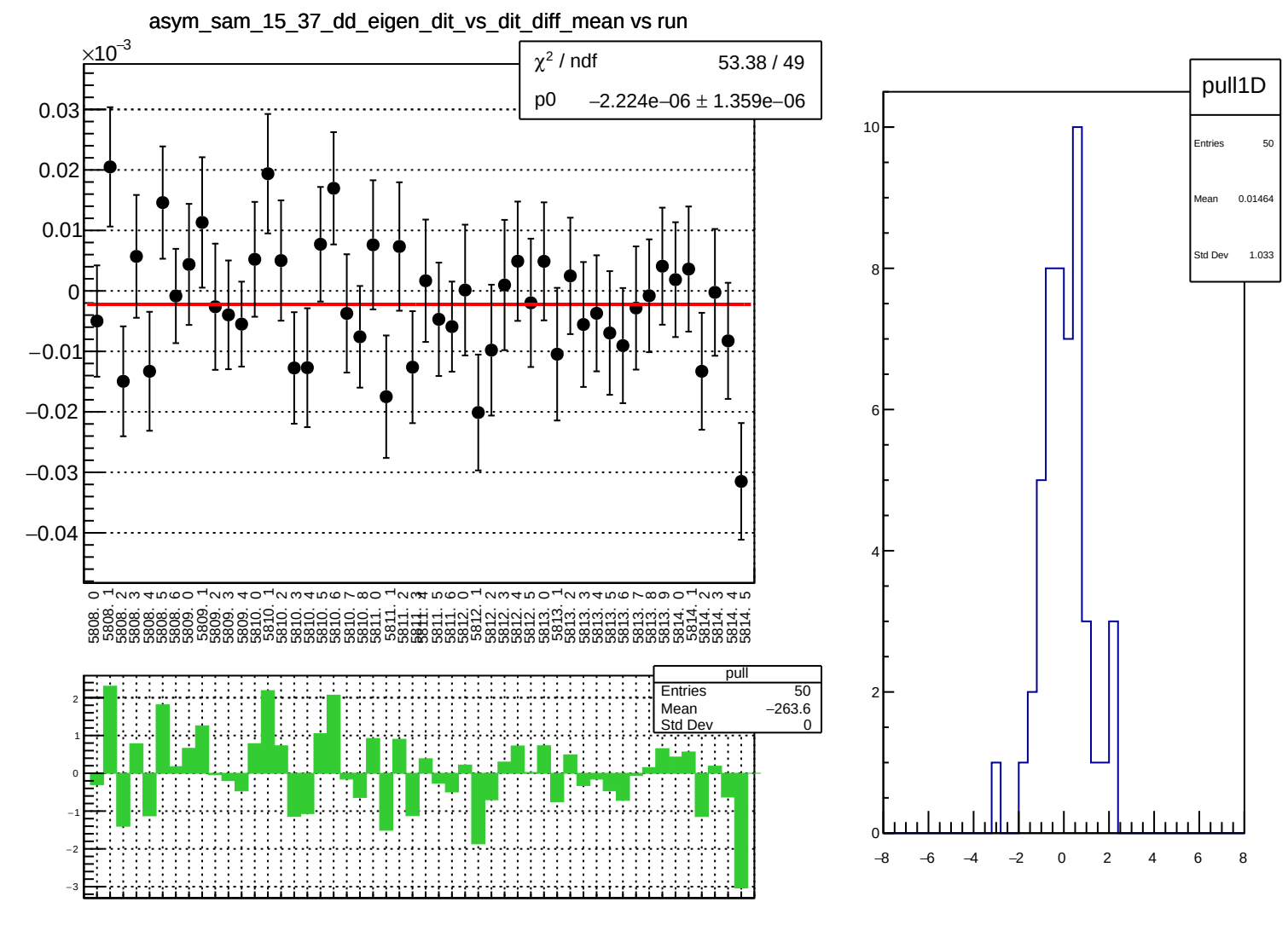
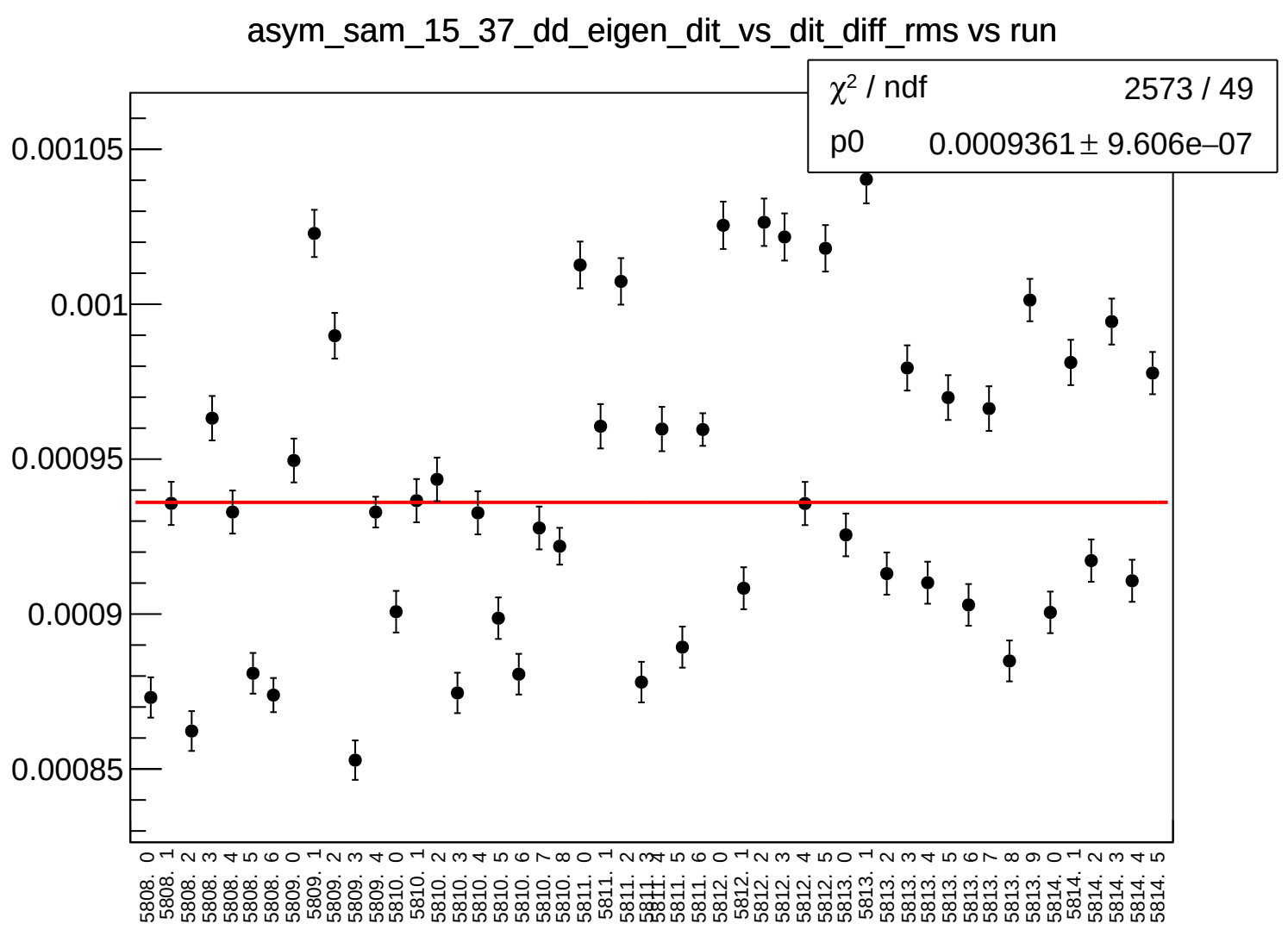
5814. 4
5814. 5


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 53.38 / 49
p0 −2.224e−06 ± 1.359e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
pull
Entries 50
Mean −263.6
Std Dev 0
pull1D
Entries 50
Mean 0.01464
Std Dev 1.033


asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2573 / 49
p0 0.0009361 ± 9.606e–07
0.00105
0.001
0.00095
0.0009
0.00085
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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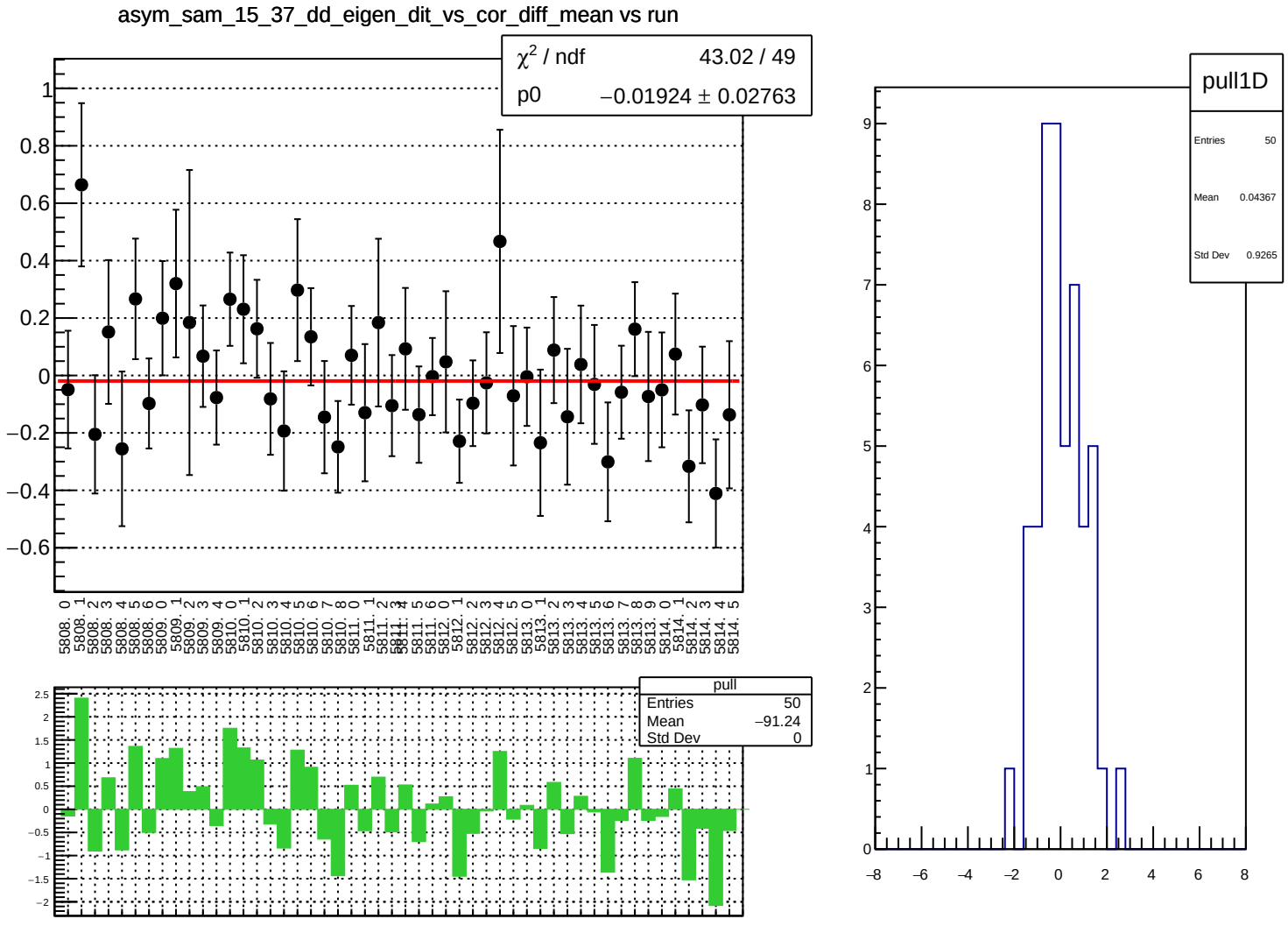
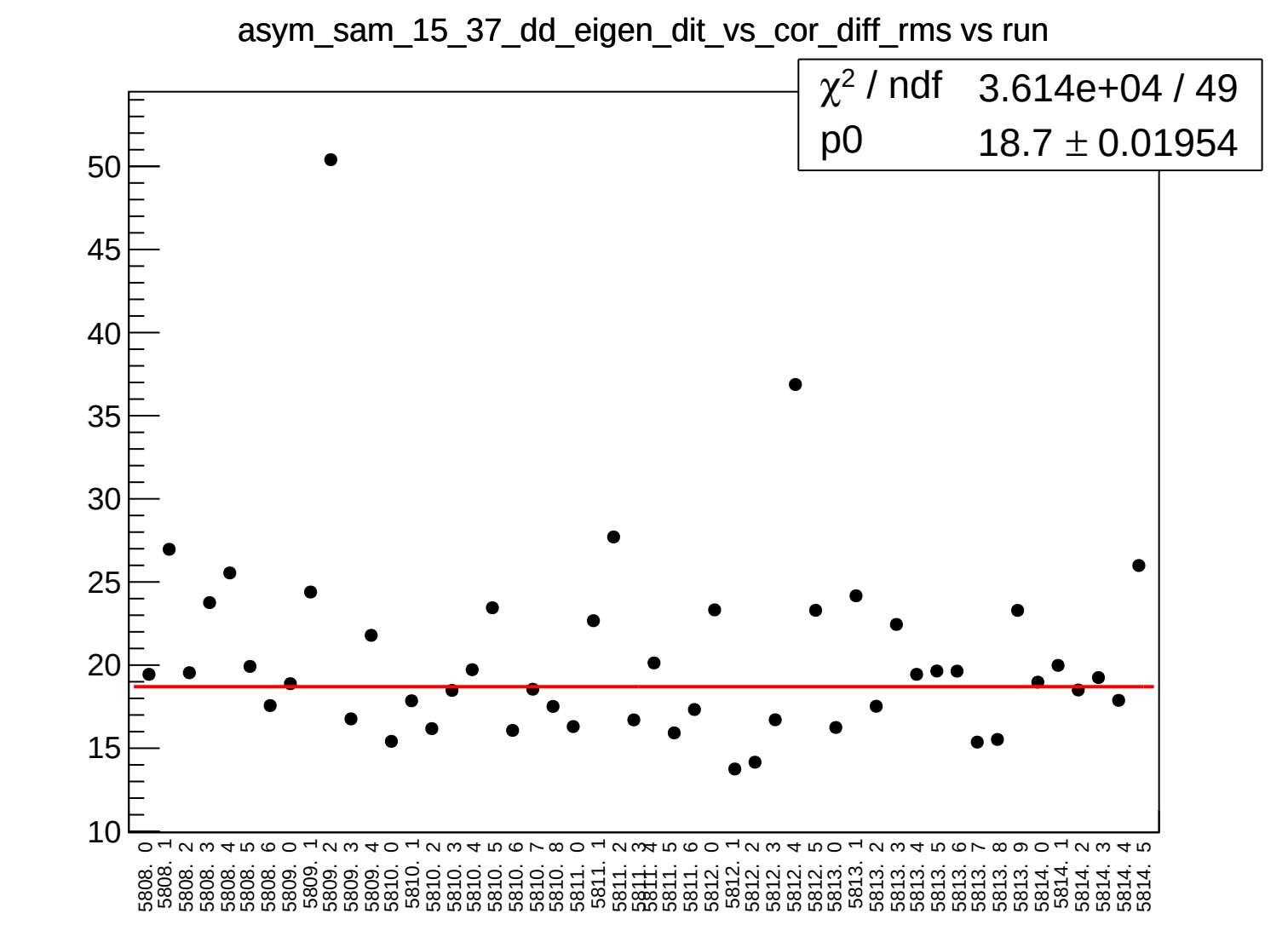
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.02 / 49
p0 −0.01924 ± 0.02763
pull
Entries 50
Mean −91.24
Std Dev 0
pull1D
Entries 50
Mean 0.04367
Std Dev 0.9265


asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.614e+04 / 49
p0 18.7 ± 0.01954
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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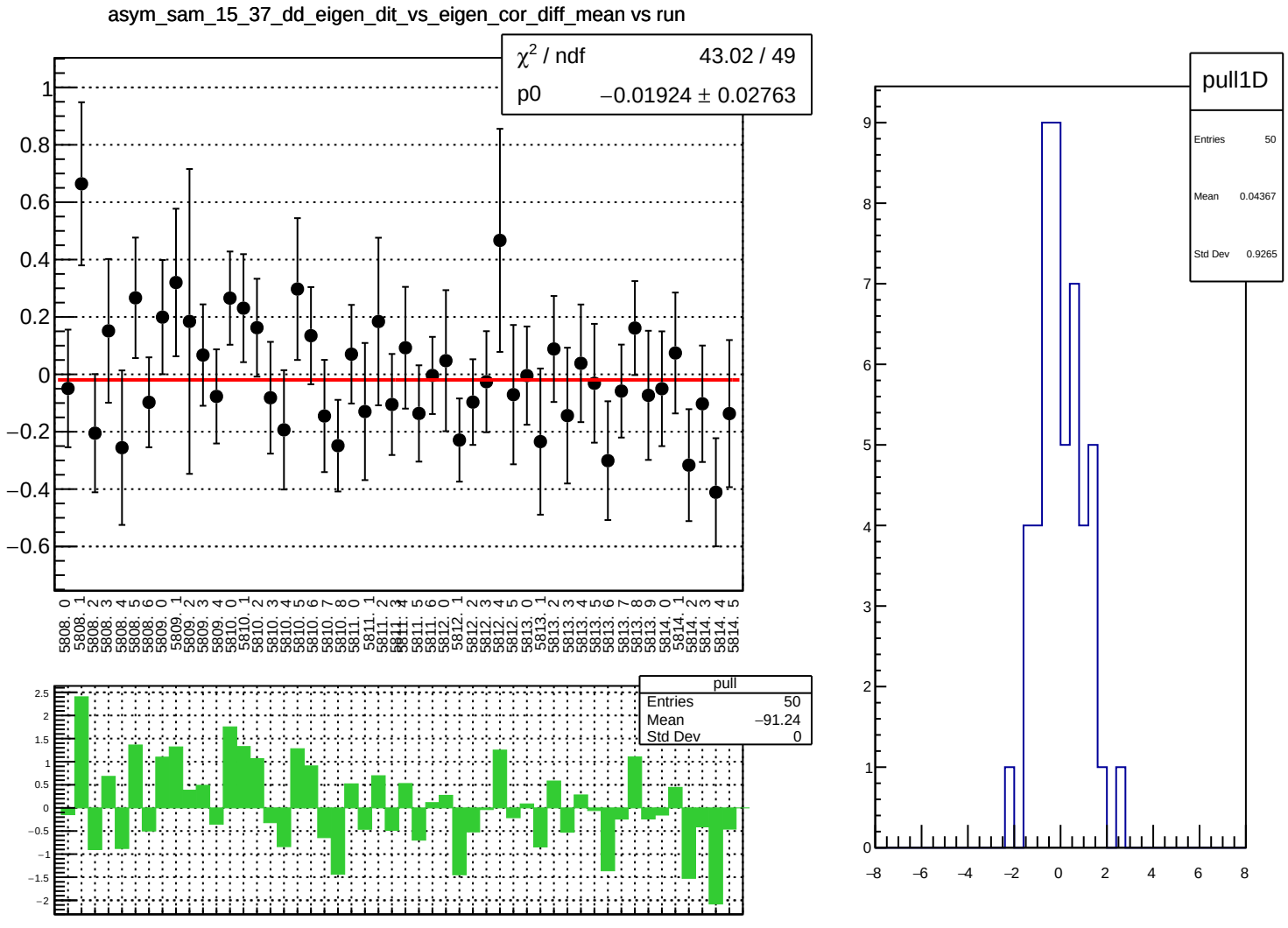
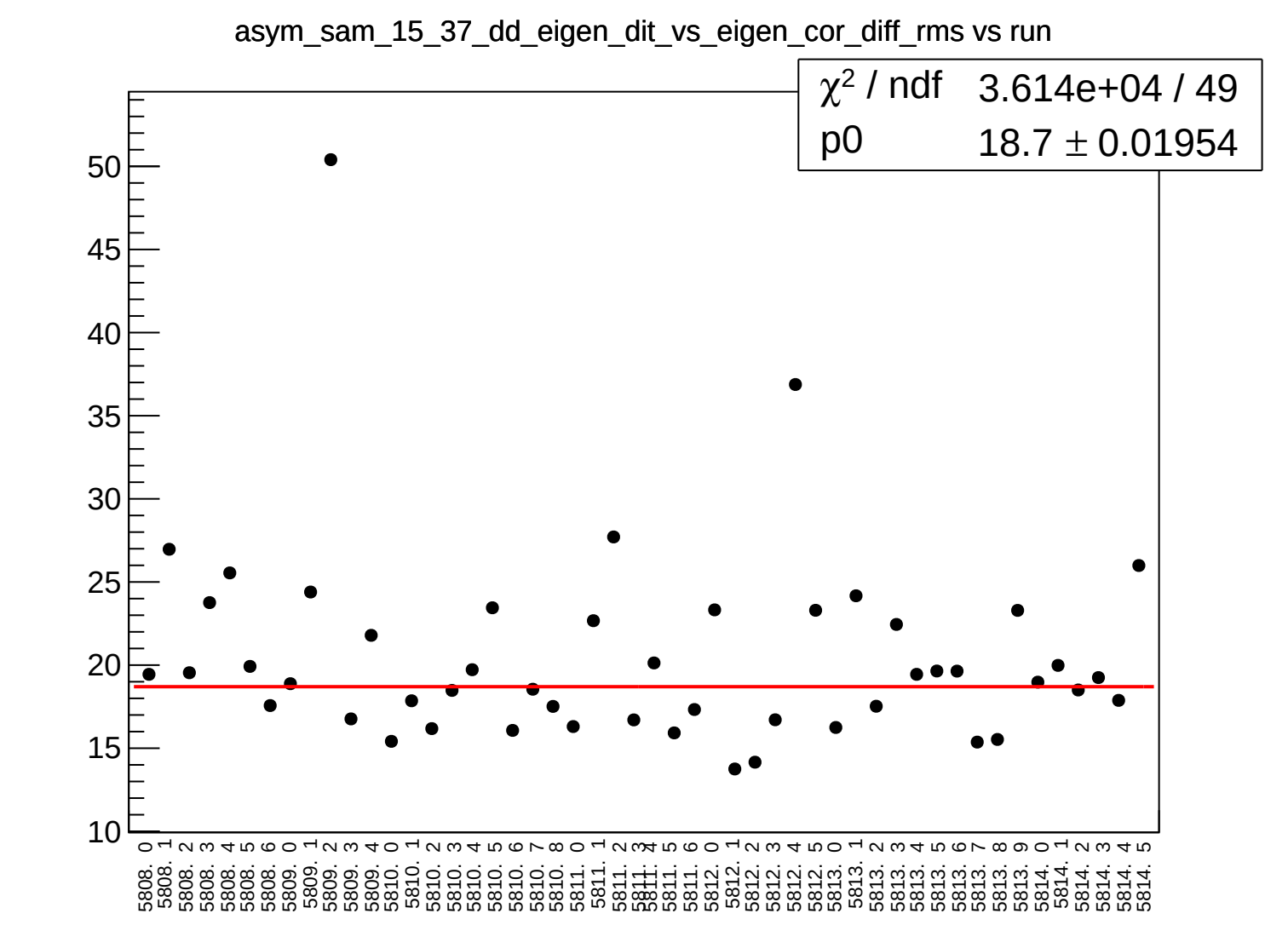
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.02 / 49
p0 −0.01924 ± 0.02763
pull
Entries 50
Mean −91.24
Std Dev 0
pull1D
Entries 50
Mean 0.04367
Std Dev 0.9265


asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.614e+04 / 49
p0 18.7 ± 0.01954
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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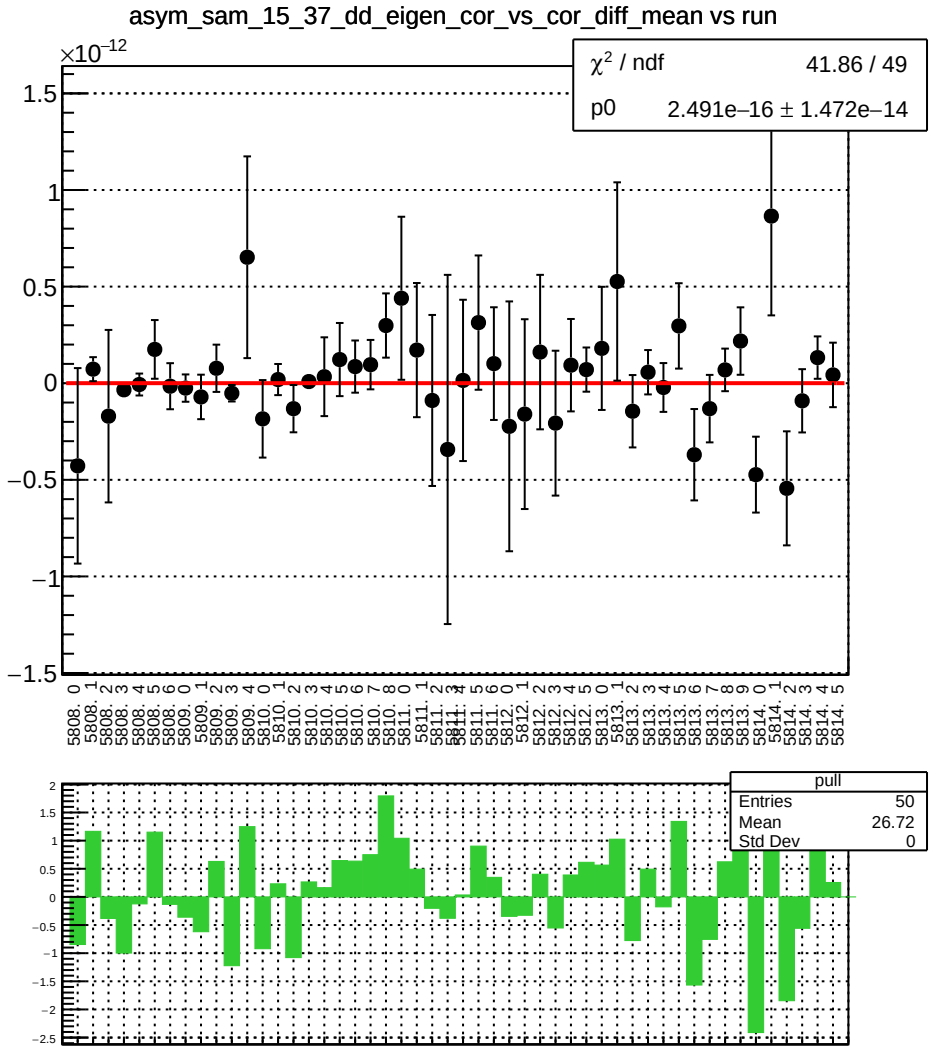
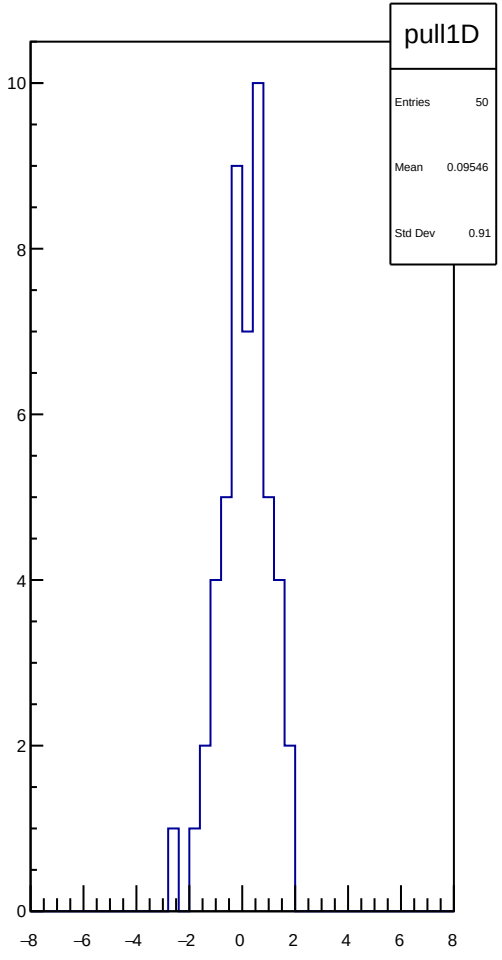
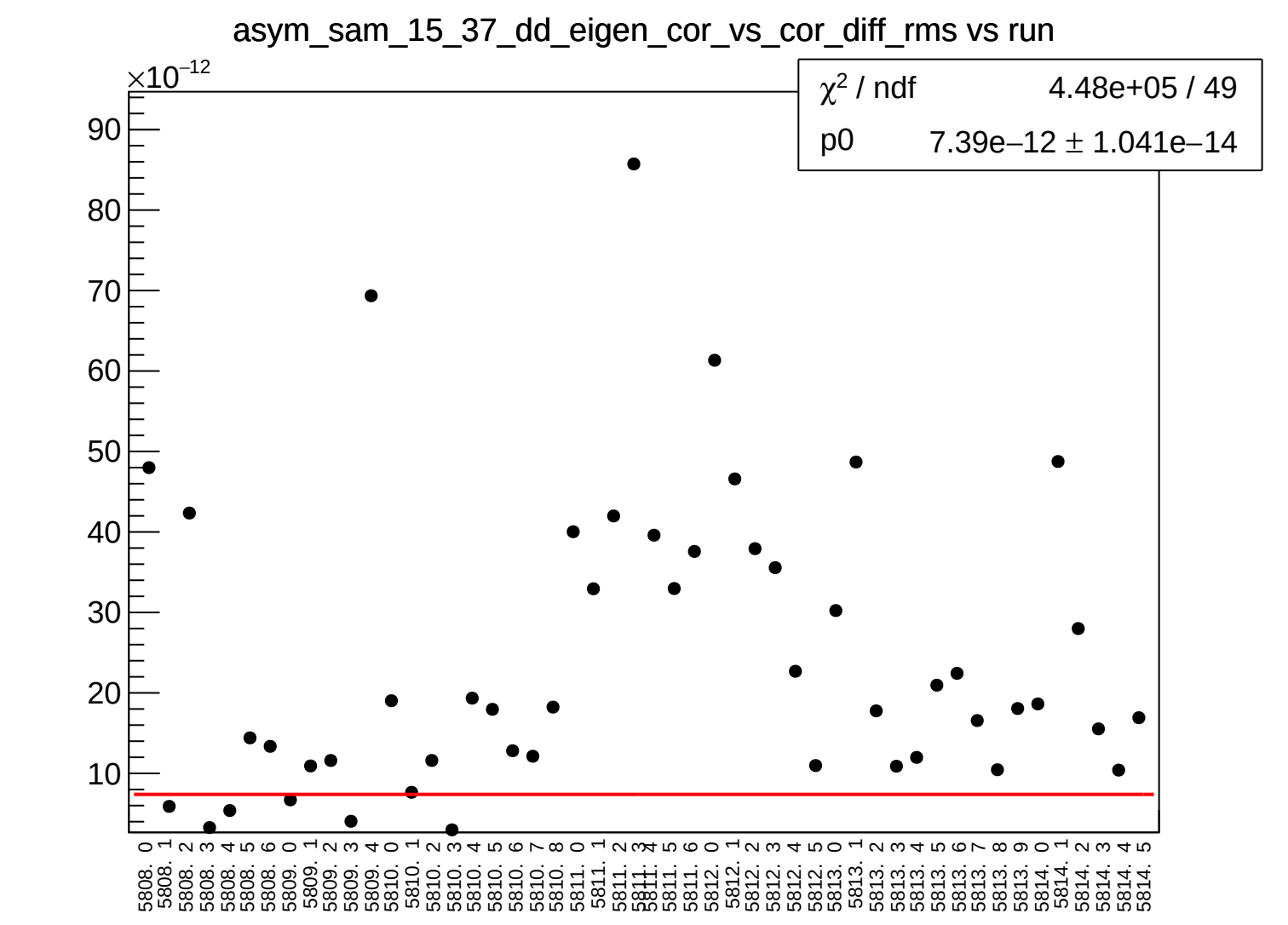
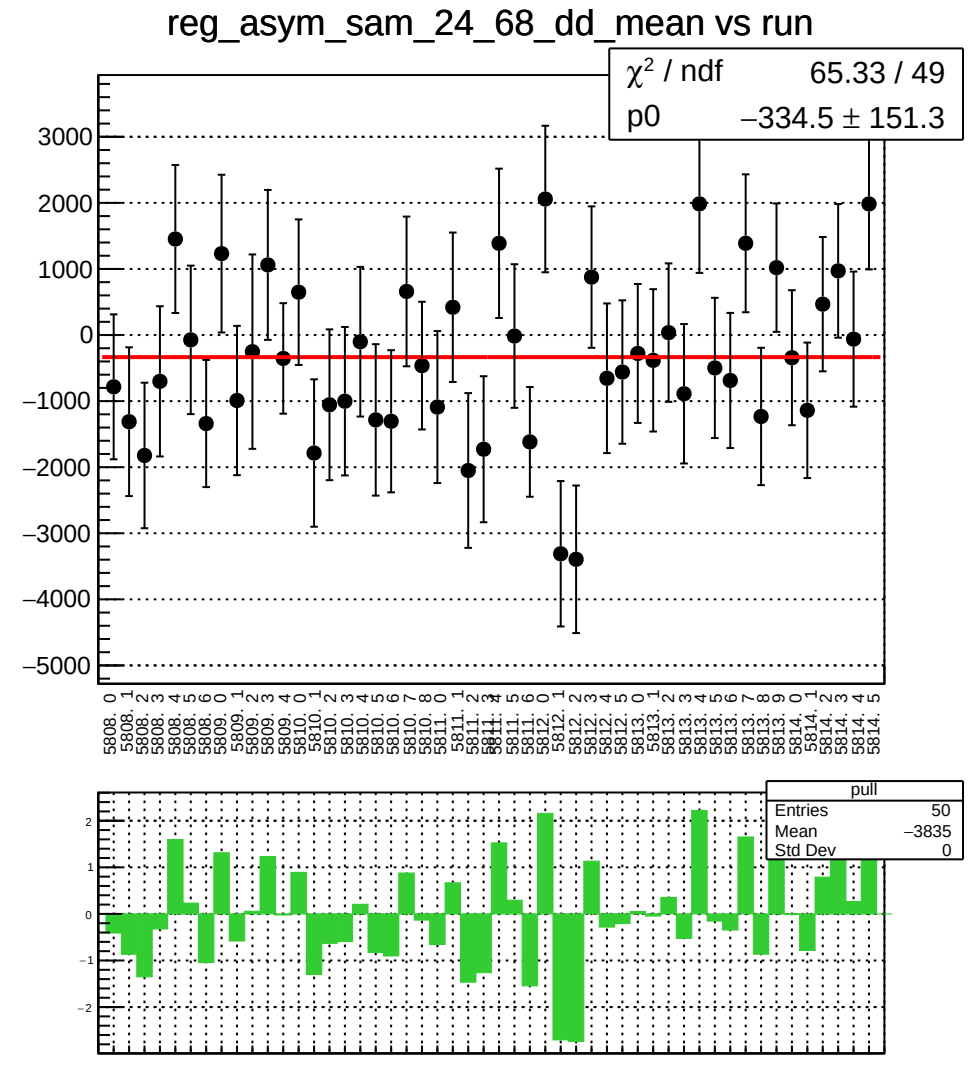
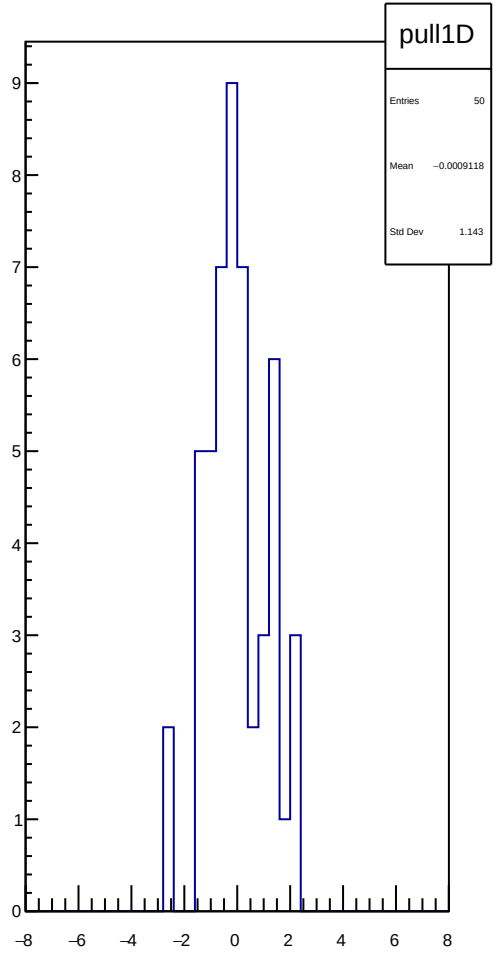
5814. 2
5814. 3
5814. 4
5814. 5

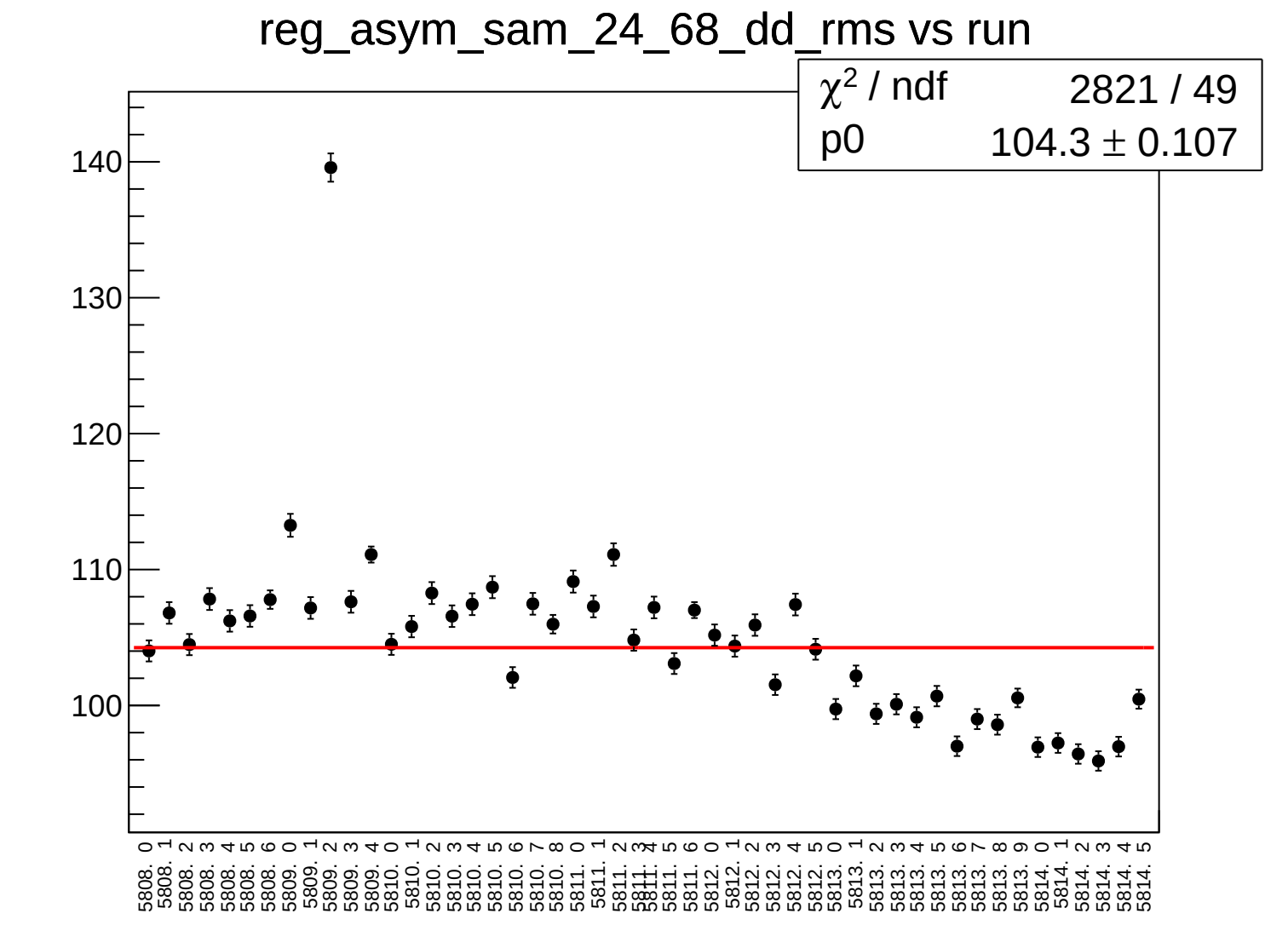

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.86 / 49
p0 2.491e−16 ± 1.472e−14
pull
Entries 50
Mean 26.72
Std Dev 0


pull1D
Entries 50
Mean 0.09546
Std Dev 0.91


asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.48e+05 / 49
p0 7.39e−12 ± 1.041e−14
90
80
70
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.33 / 49
p0 −334.5 ± 151.3
pull
Entries 50
Mean −3835
Std Dev 0


pull1D
Entries 50
Mean −0.0009118
Std Dev 1.143


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 2821 / 49
p0 104.3 ± 0.107
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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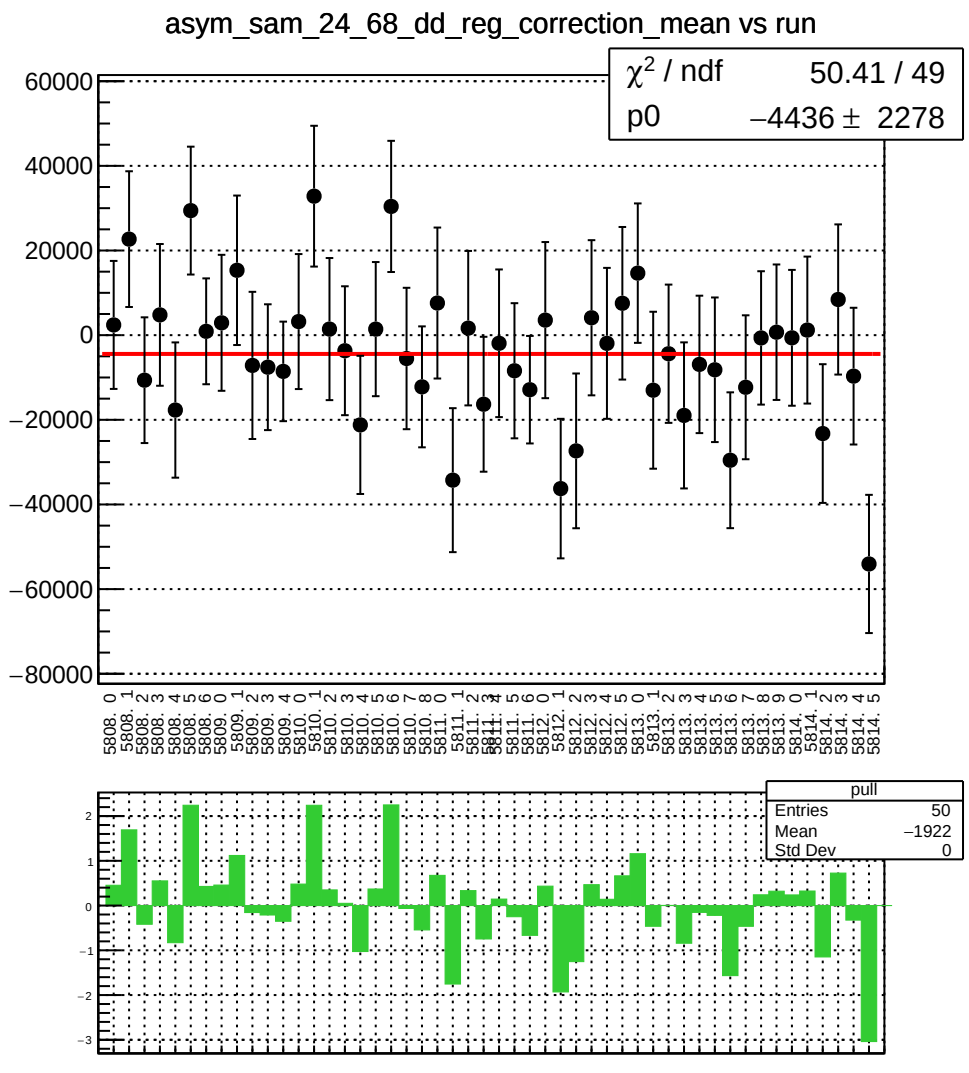
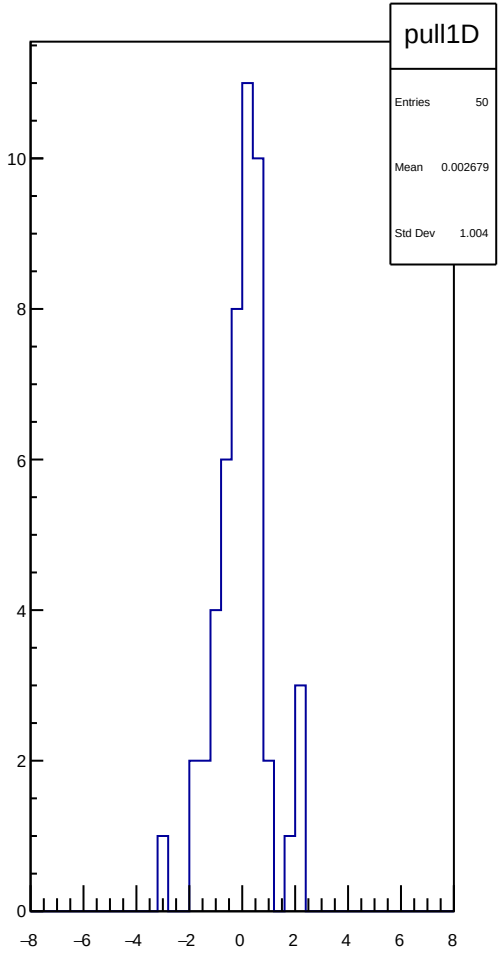
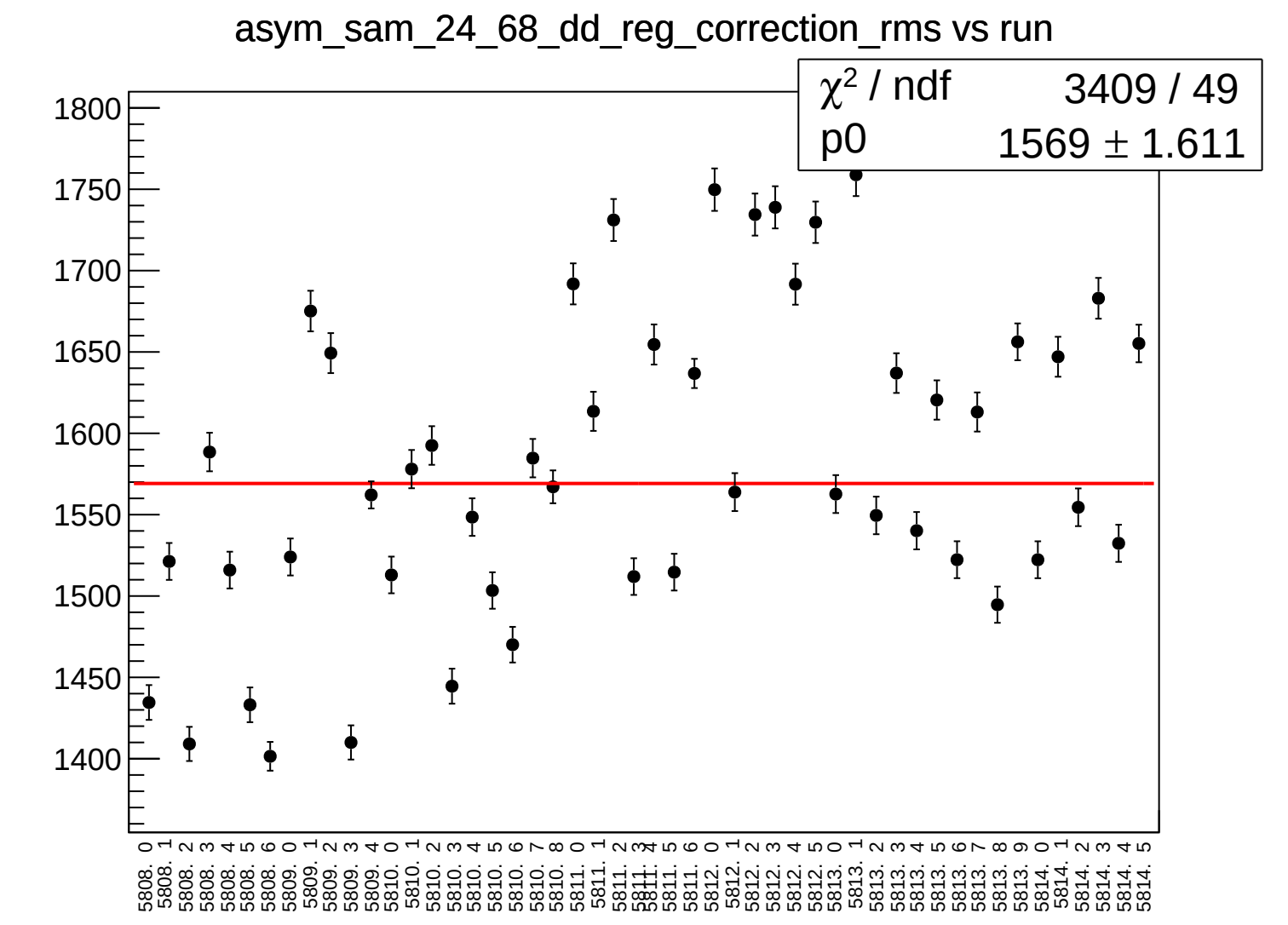
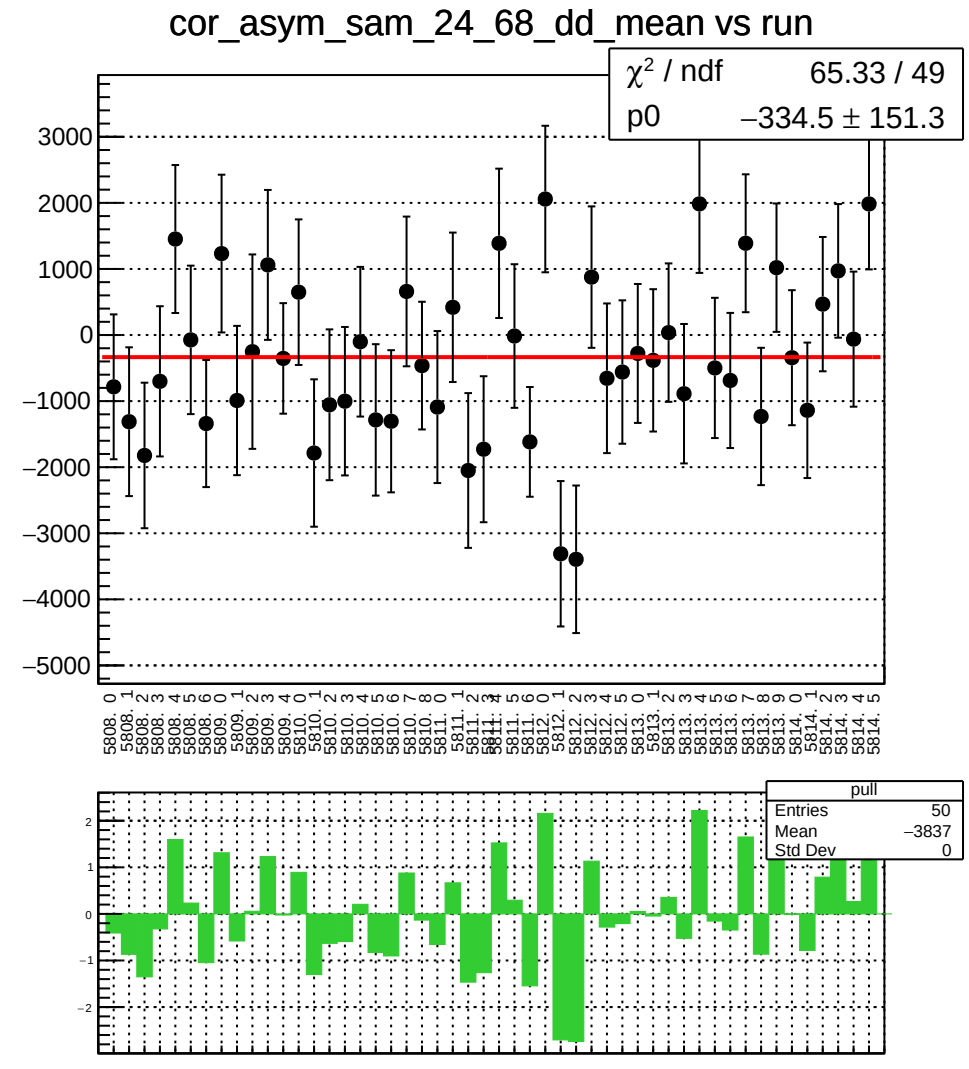
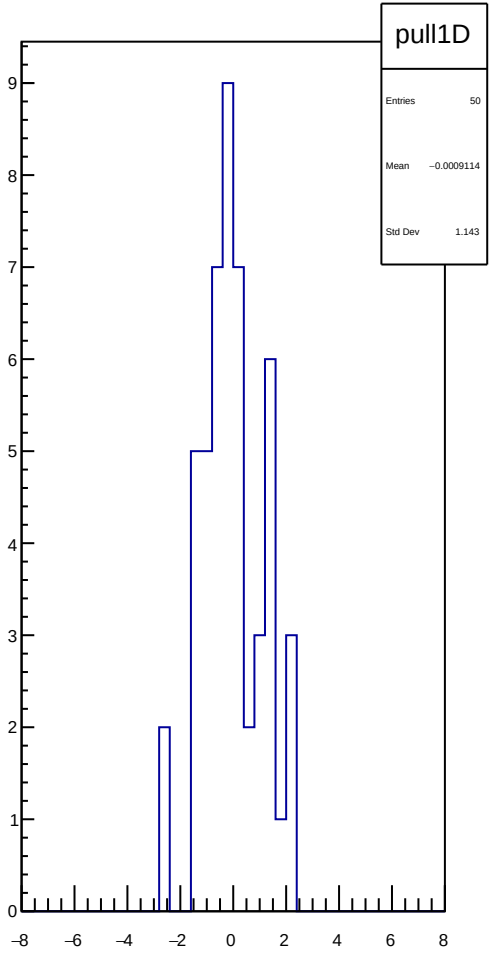
5814. 4
5814. 5

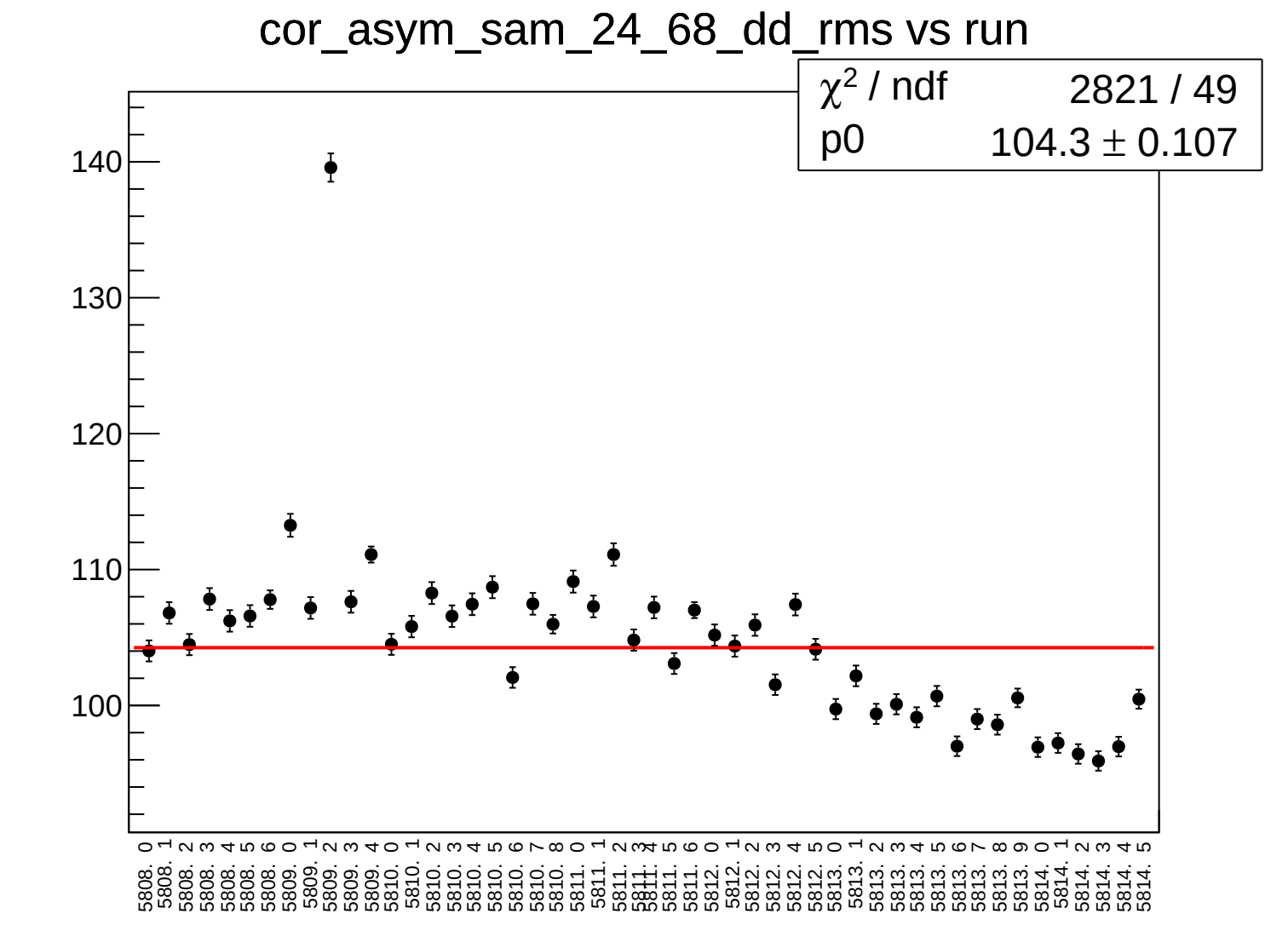

asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 50.41 / 49
p0 −4436 ± 2278
pull
Entries 50
Mean −1922
Std Dev 0


pull1D
Entries 50
Mean 0.002679
Std Dev 1.004


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 3409 / 49
p0 1569 ± 1.611
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.33 / 49
p0 −334.5 ± 151.3
pull
Entries 50
Mean −3837
Std Dev 0


pull1D
Entries 50
Mean −0.0009114
Std Dev 1.143


cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2821 / 49
p0 104.3 ± 0.107
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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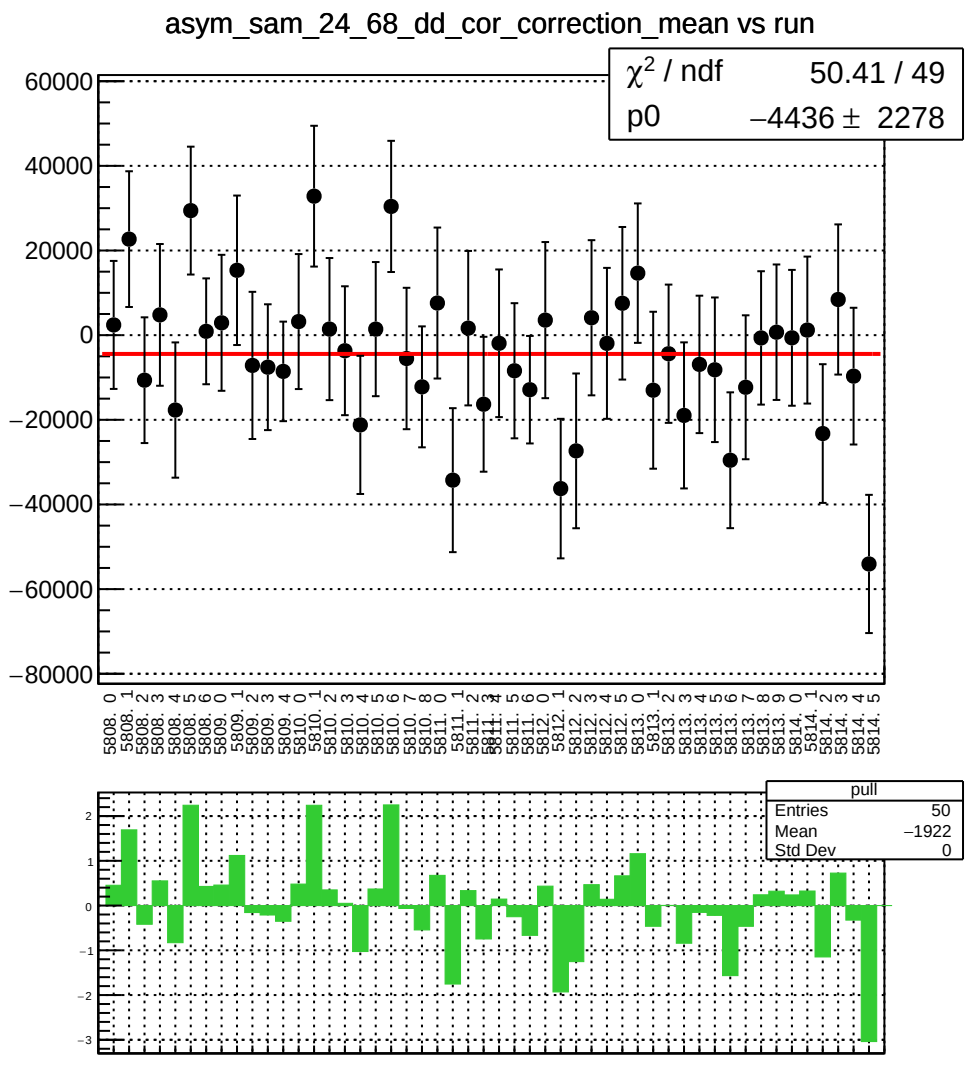
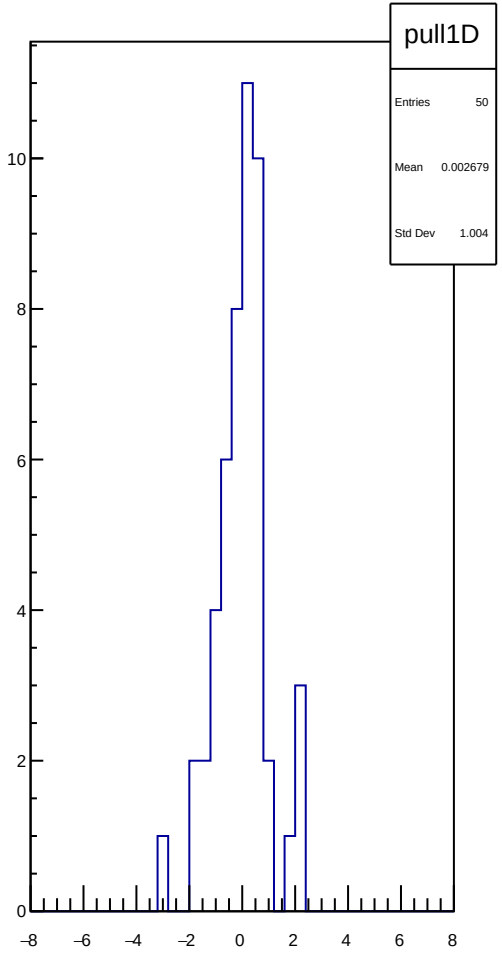
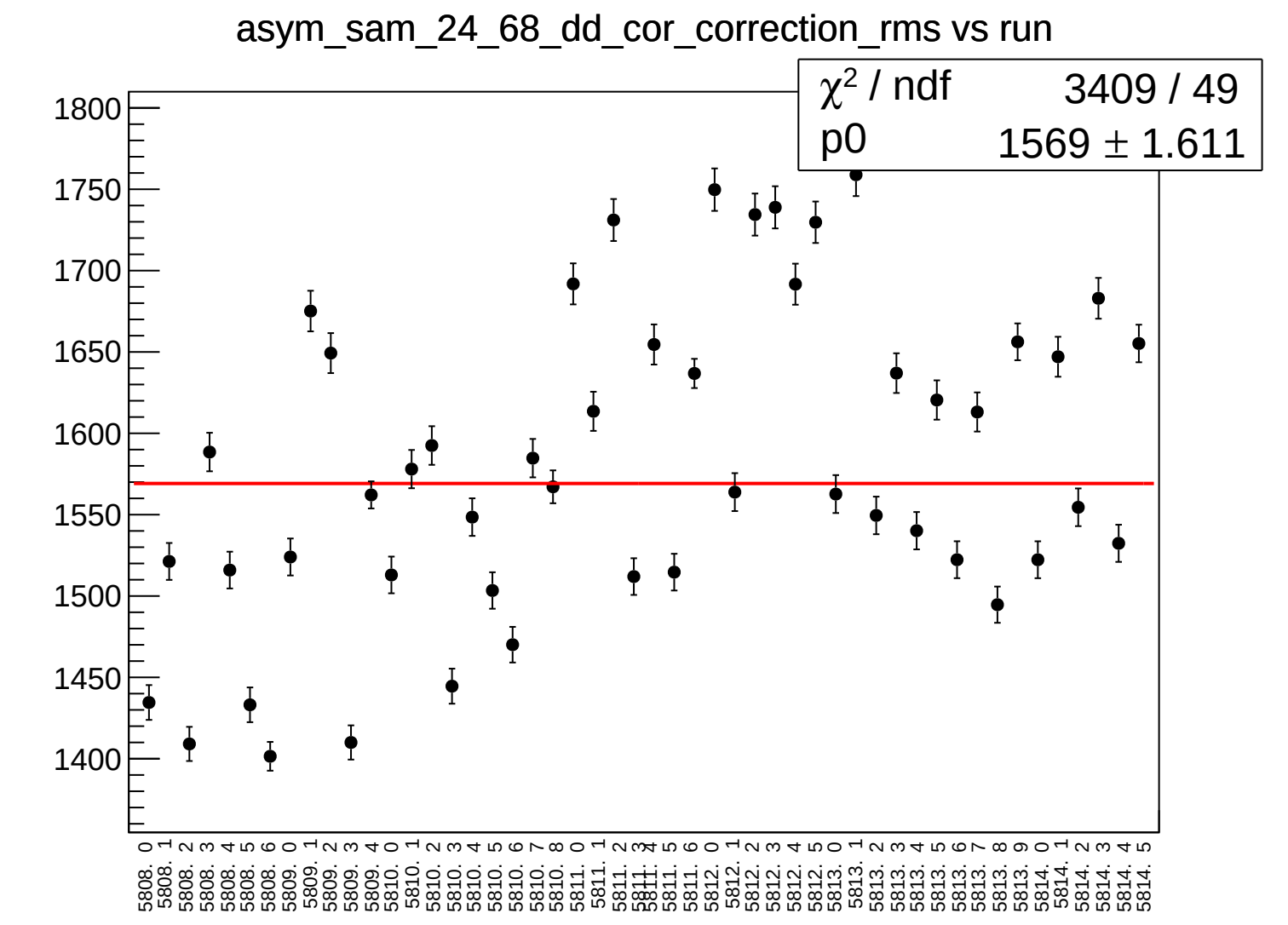
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 50.41 / 49
p0 −4436 ± 2278
pull
Entries 50
Mean −1922
Std Dev 0


pull1D
Entries 50
Mean 0.002679
Std Dev 1.004


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 3409 / 49
p0 1569 ± 1.611
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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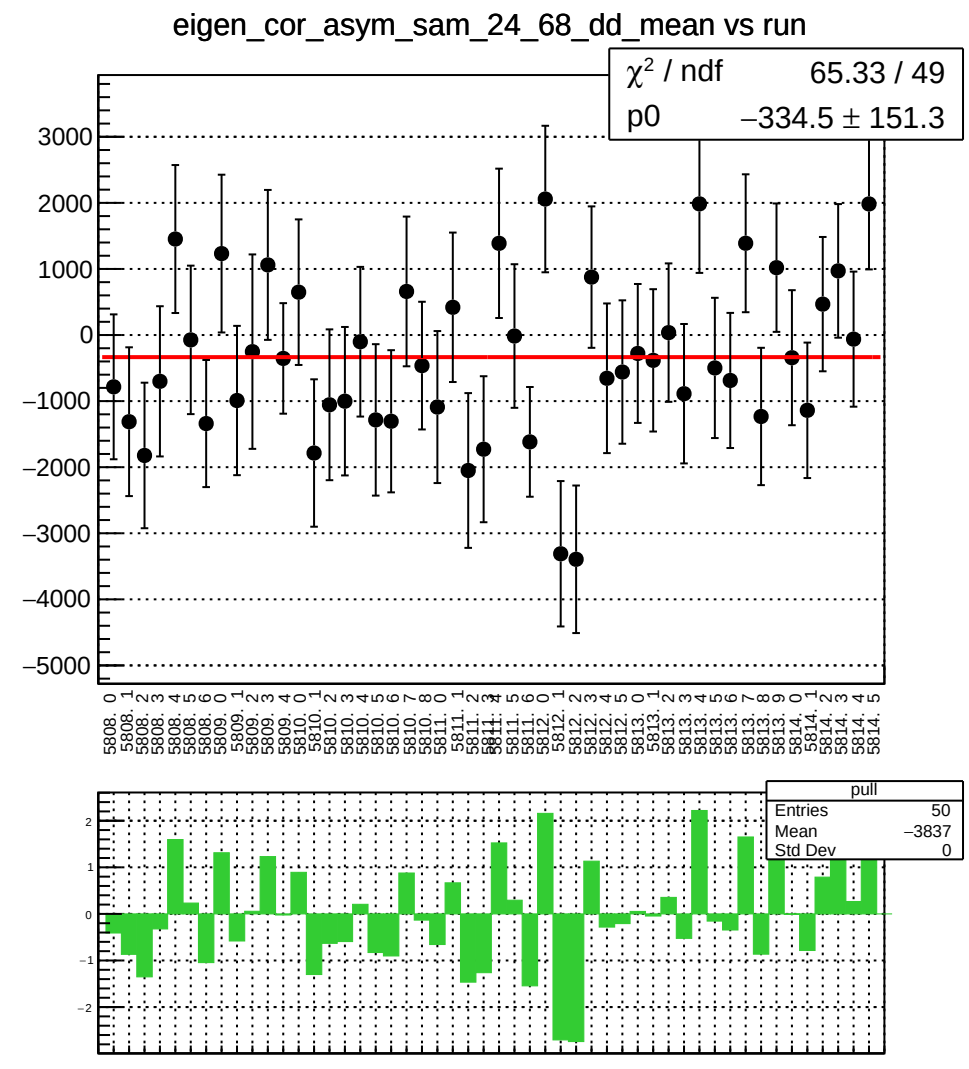
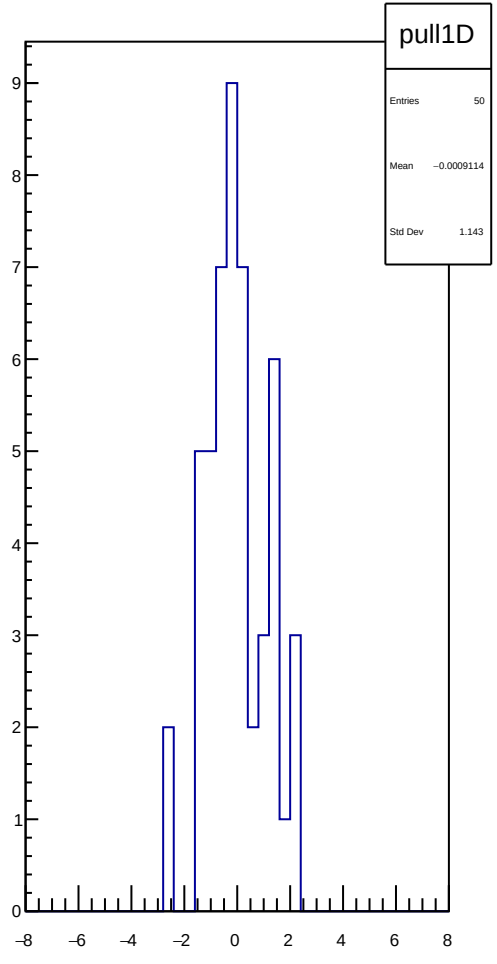
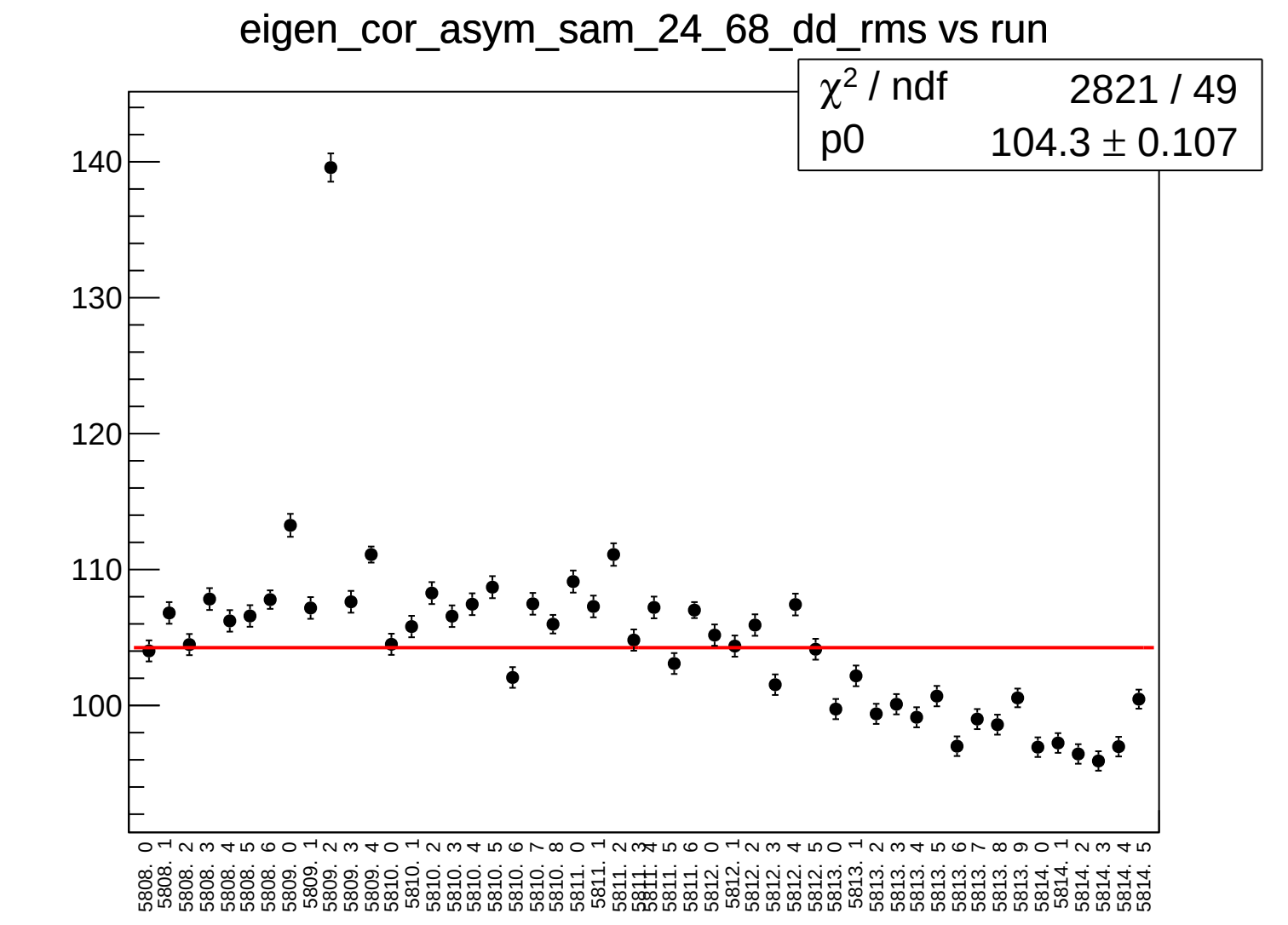
5814. 5


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 65.33 / 49
p0 −334.5 ± 151.3
pull
Entries 50
Mean −3837
Std Dev 0


pull1D
Entries 50
Mean −0.0009114
Std Dev 1.143


eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2821 / 49
p0 104.3 ± 0.107
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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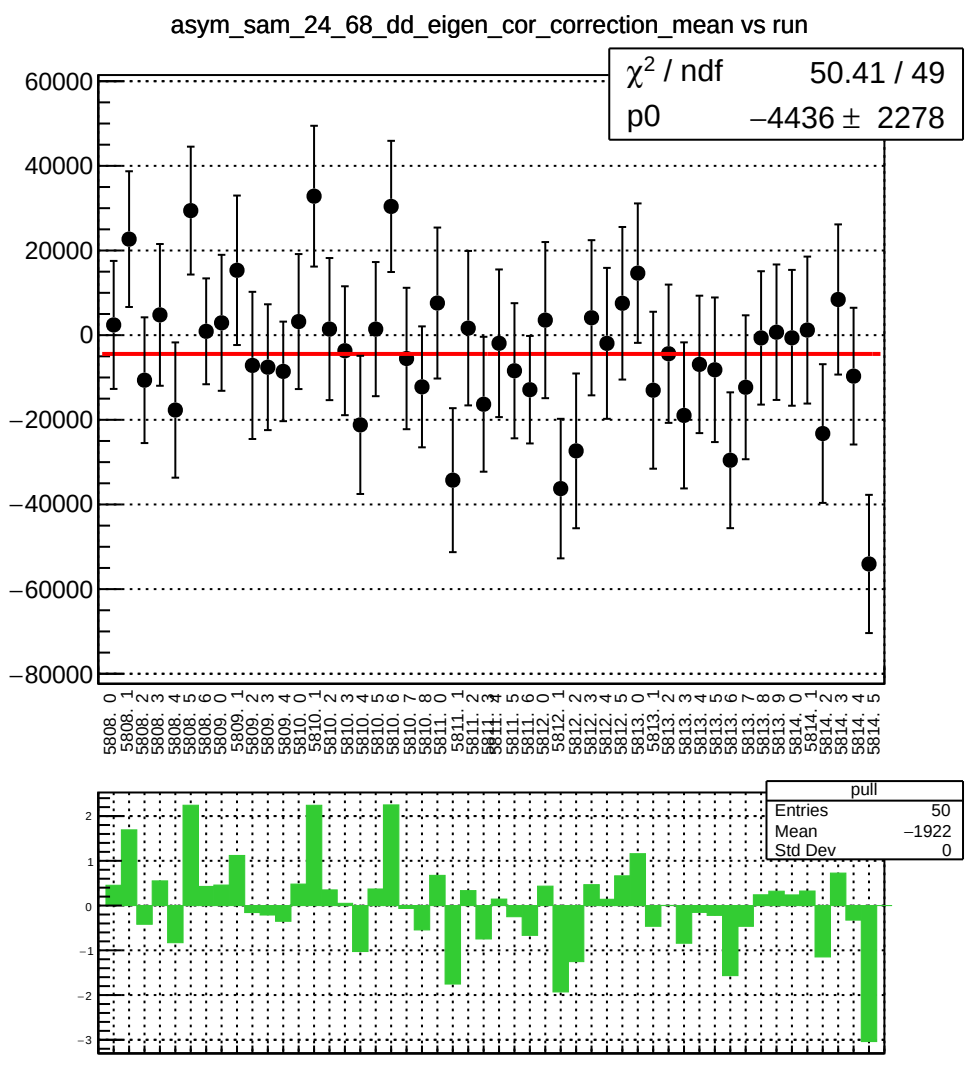
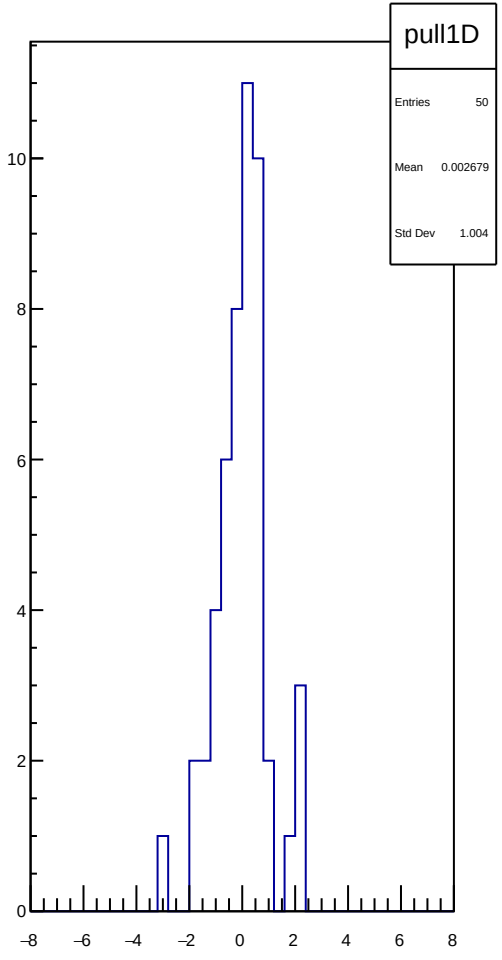
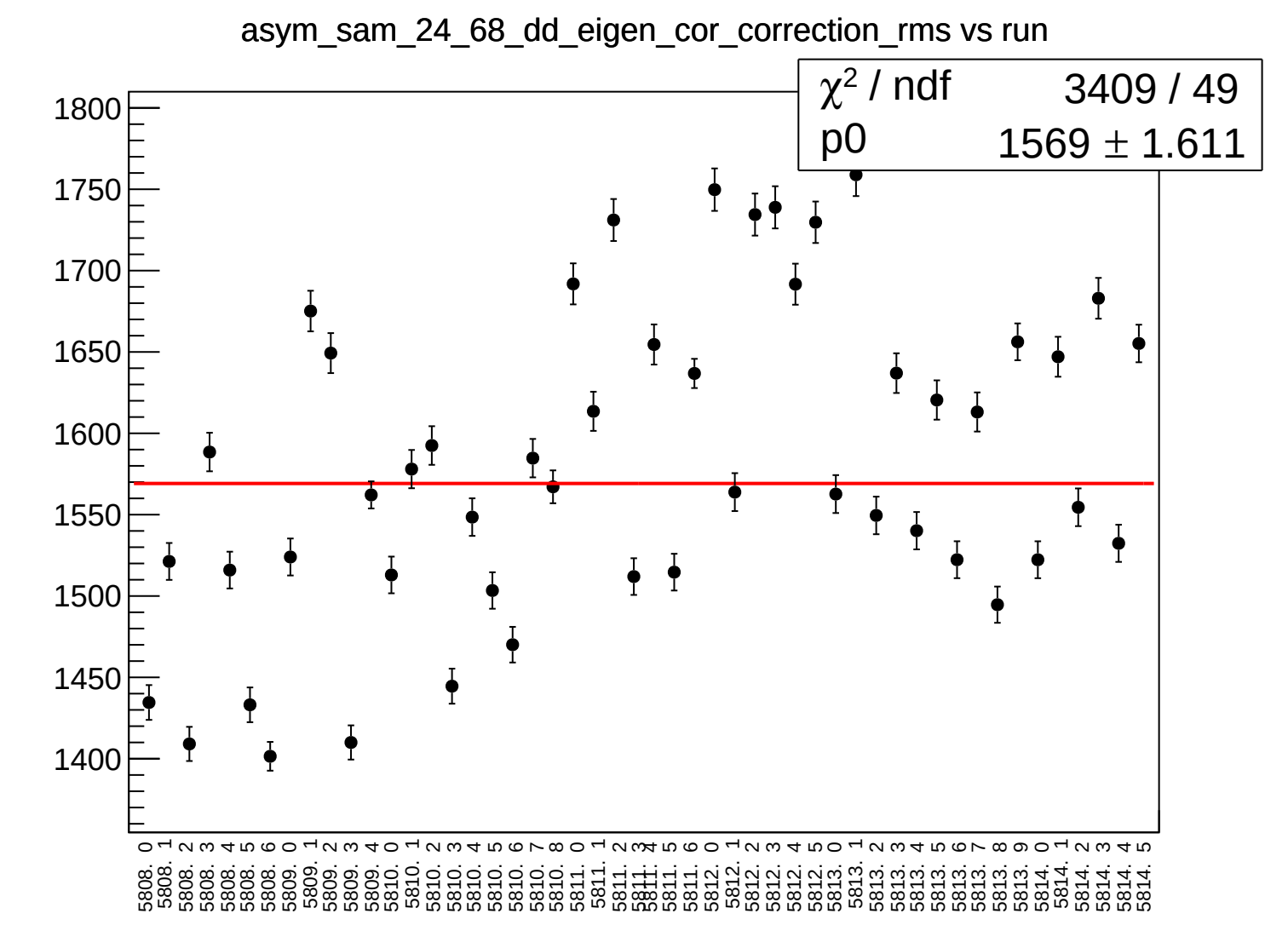
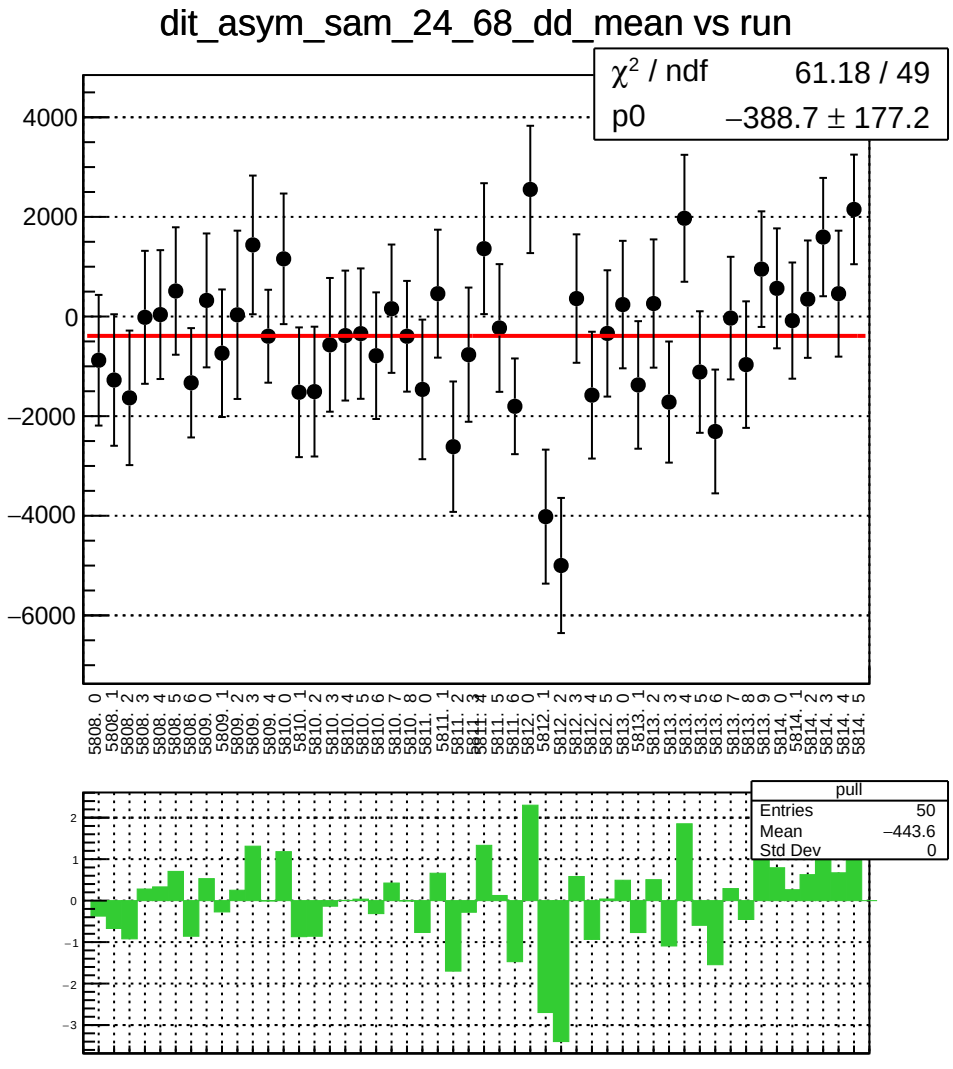
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.41 / 49
p0 −4436 ± 2278
pull
Entries 50
Mean −1922
Std Dev 0


pull1D
Entries 50
Mean 0.002679
Std Dev 1.004


asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 3409 / 49
p0 1569 ± 1.611
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 61.18 / 49
p0 −388.7 ± 177.2
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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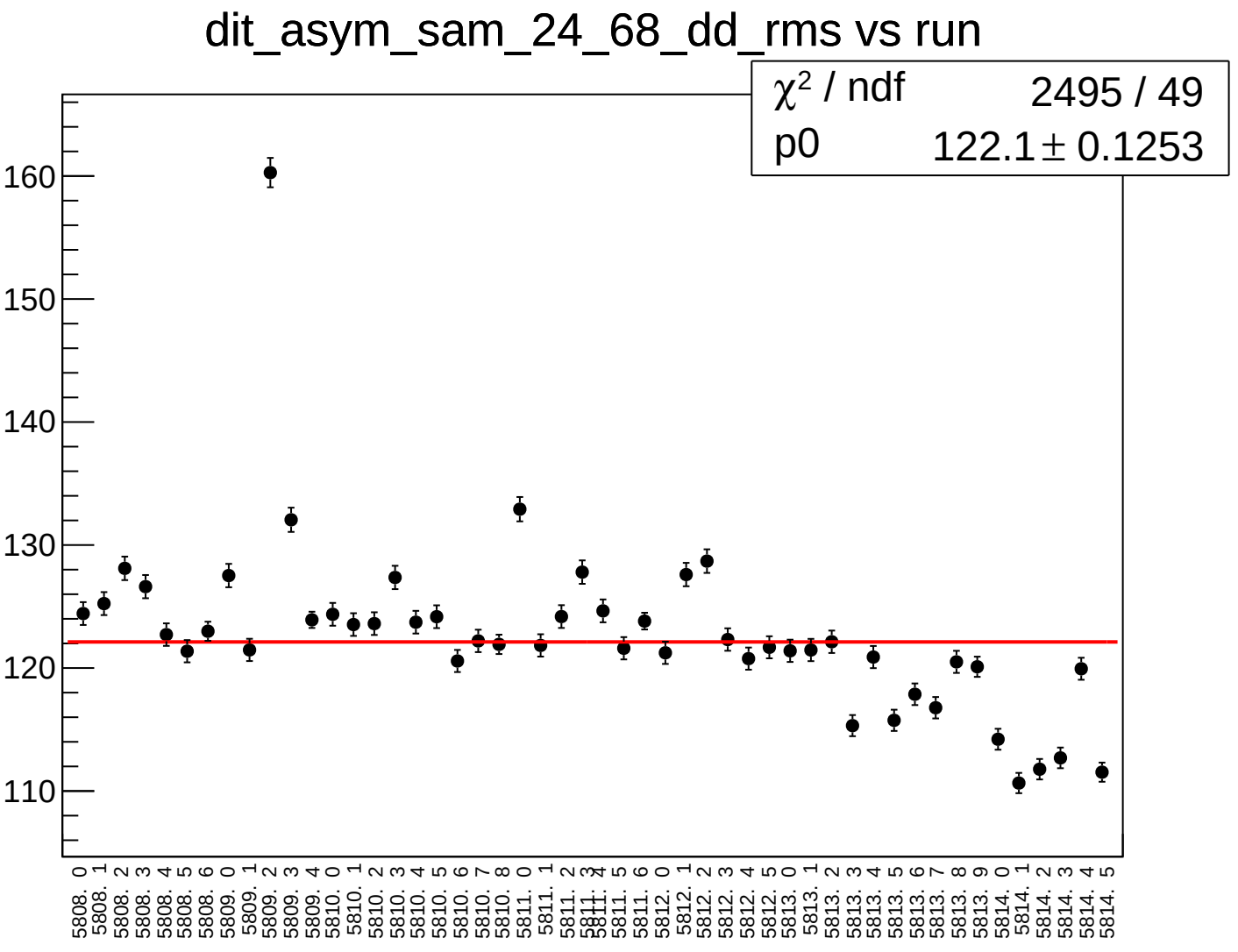
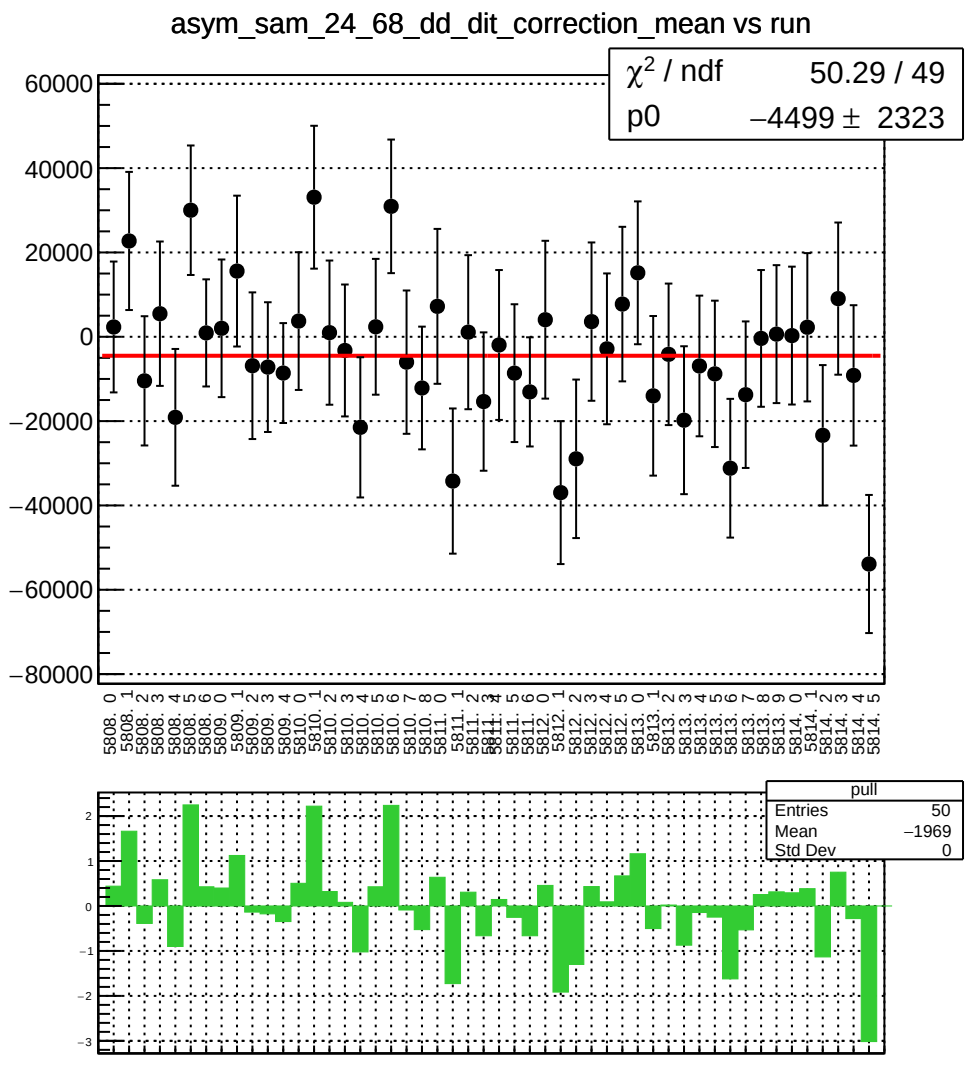
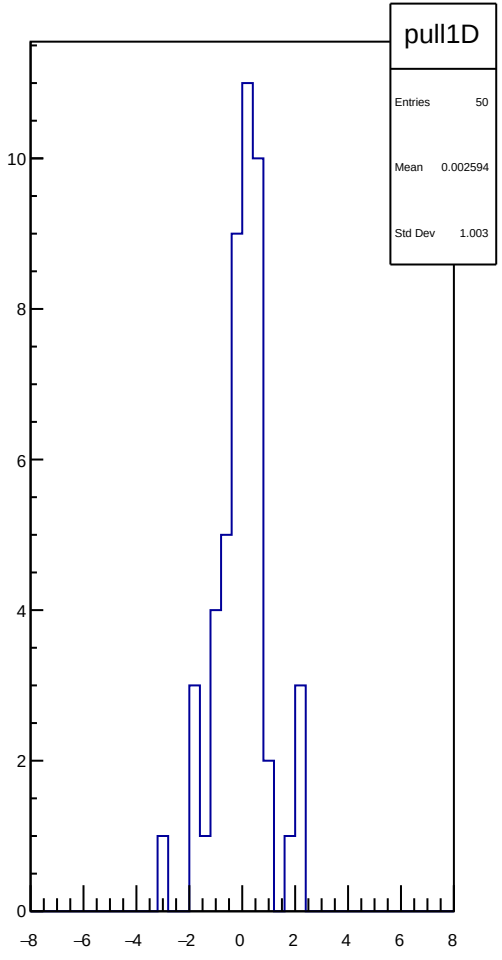
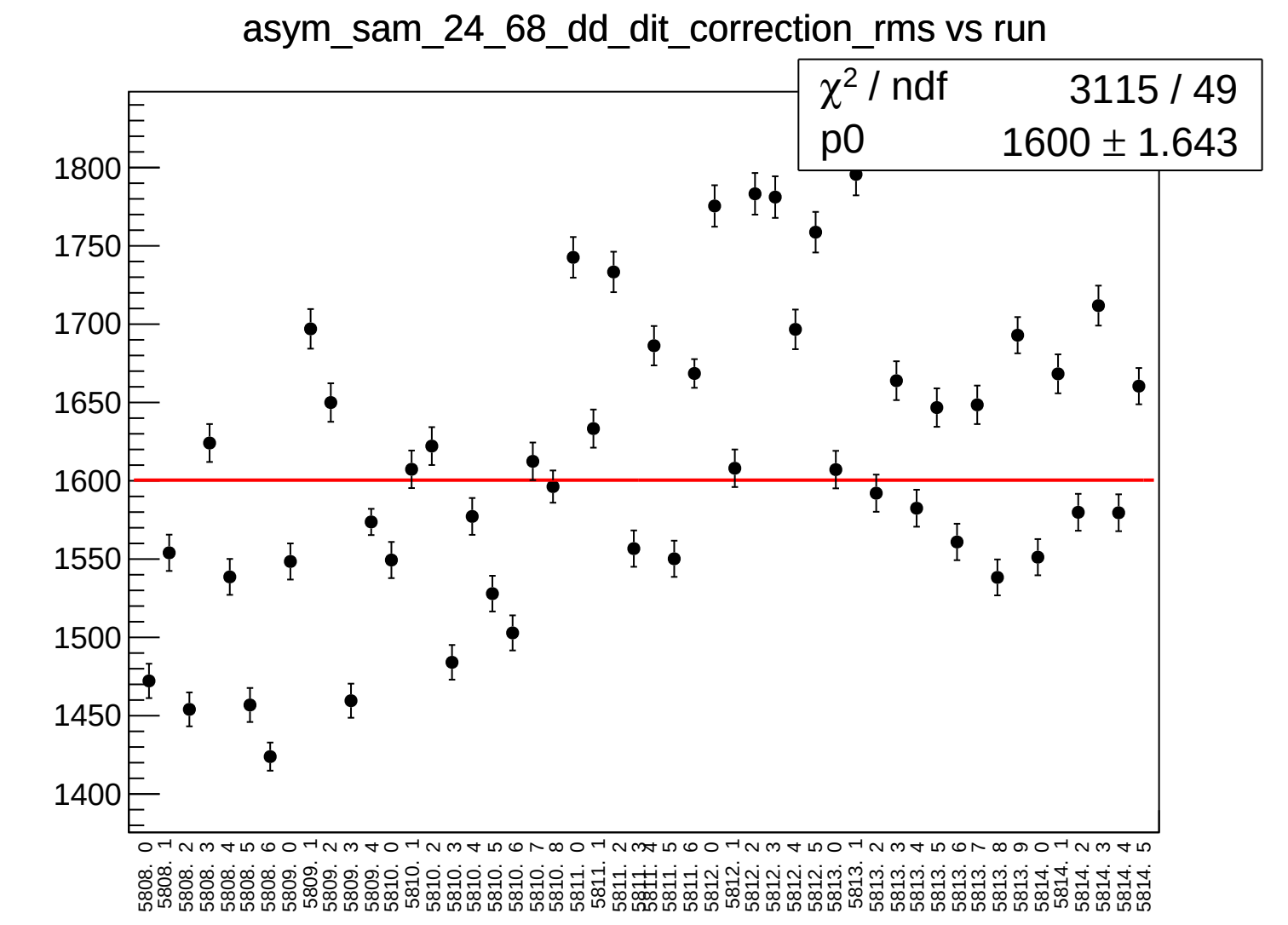
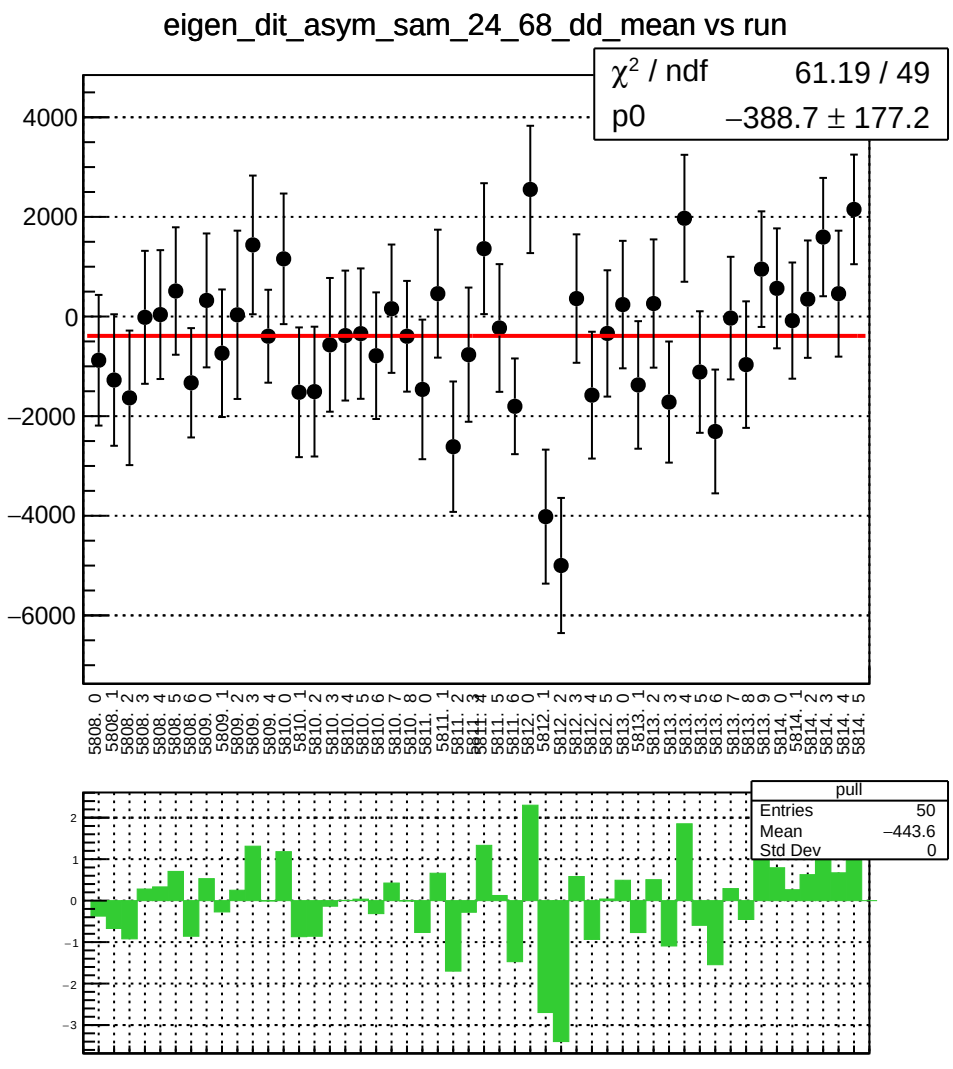
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −443.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.005597
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

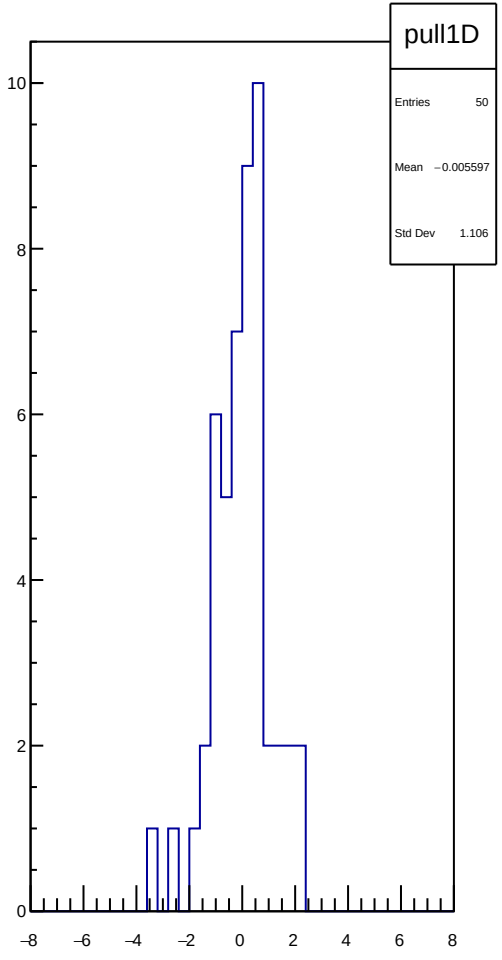

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2495 / 49
p0 122.1 ± 0.1253
160
150
140
130
120
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

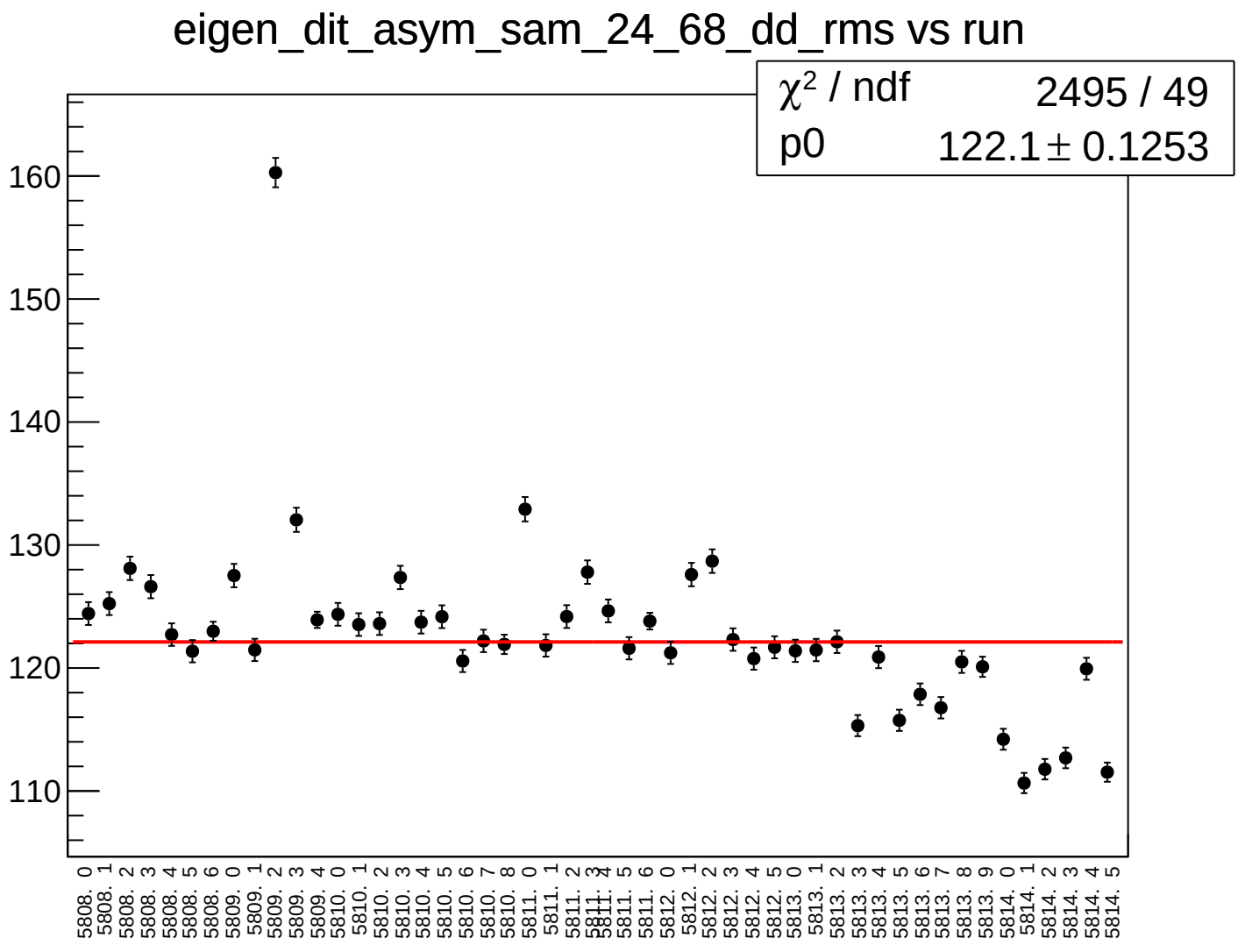

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 50.29 / 49
p0 −4499 ± 2323
pull
Entries 50
Mean −1969
Std Dev 0

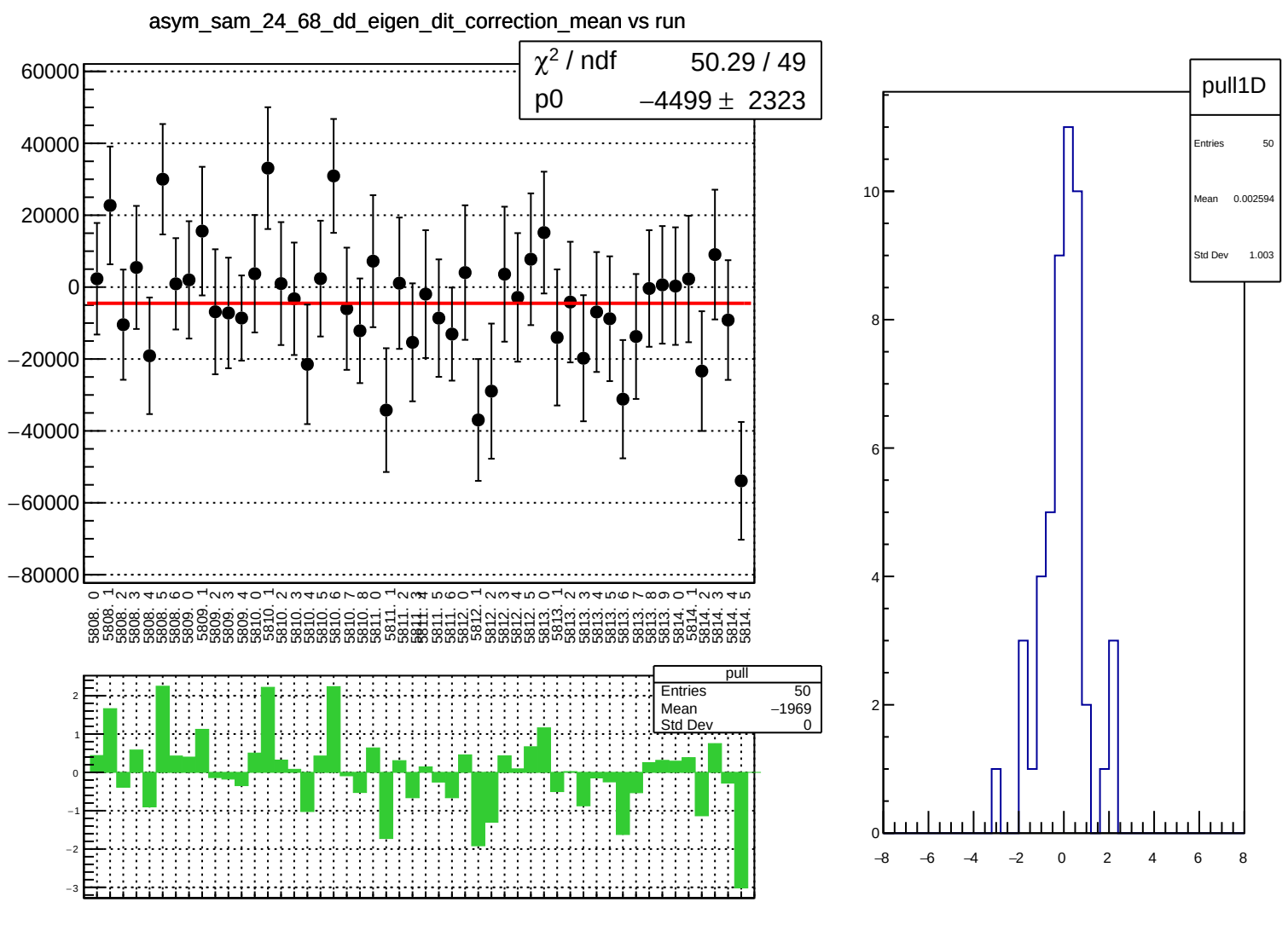

pull1D
Entries 50
Mean 0.002594
Std Dev 1.003

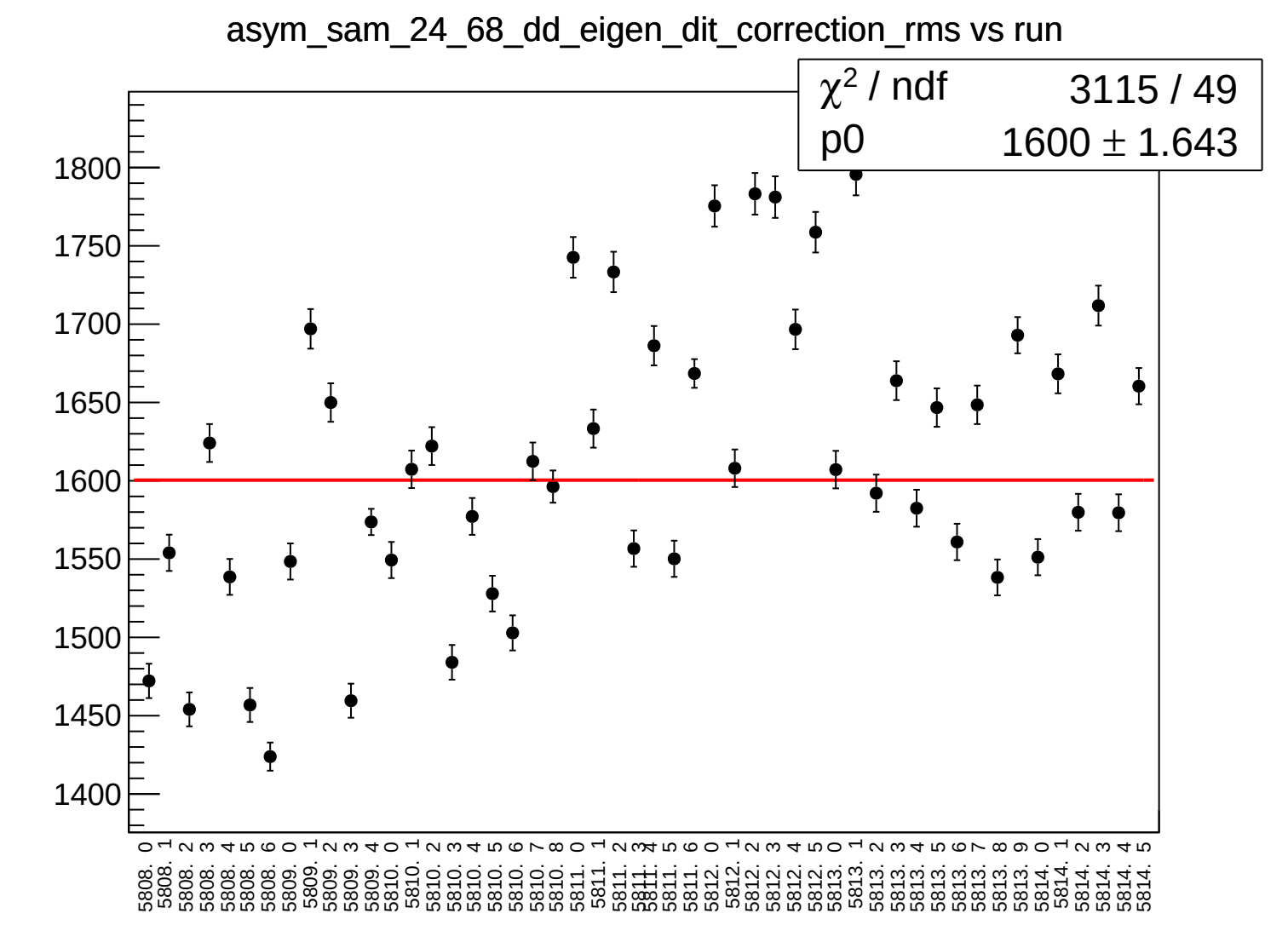

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 3115 / 49
p0 1600 ± 1.643
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

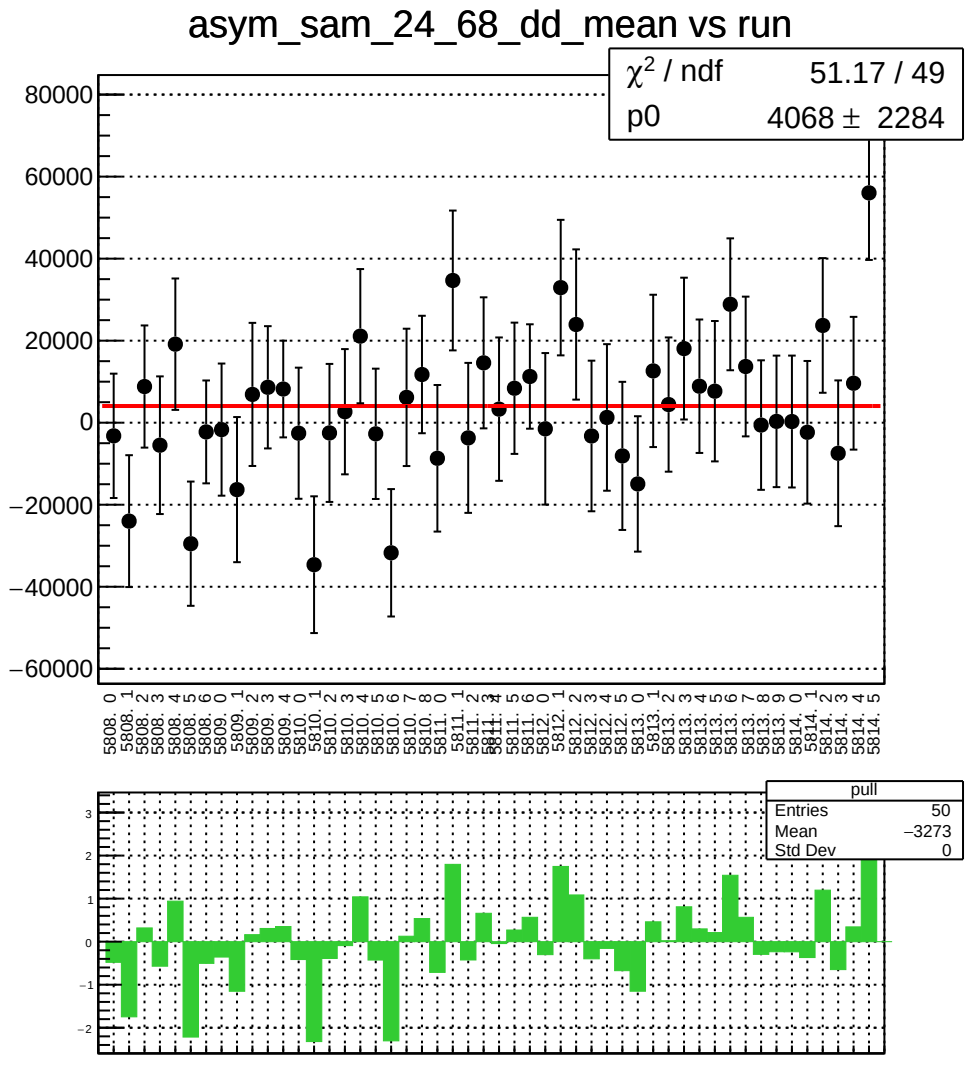

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 61.19 / 49
p0 −388.7 ± 177.2
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −443.6
Std Dev 0
2
1
0
−1
−2
−3

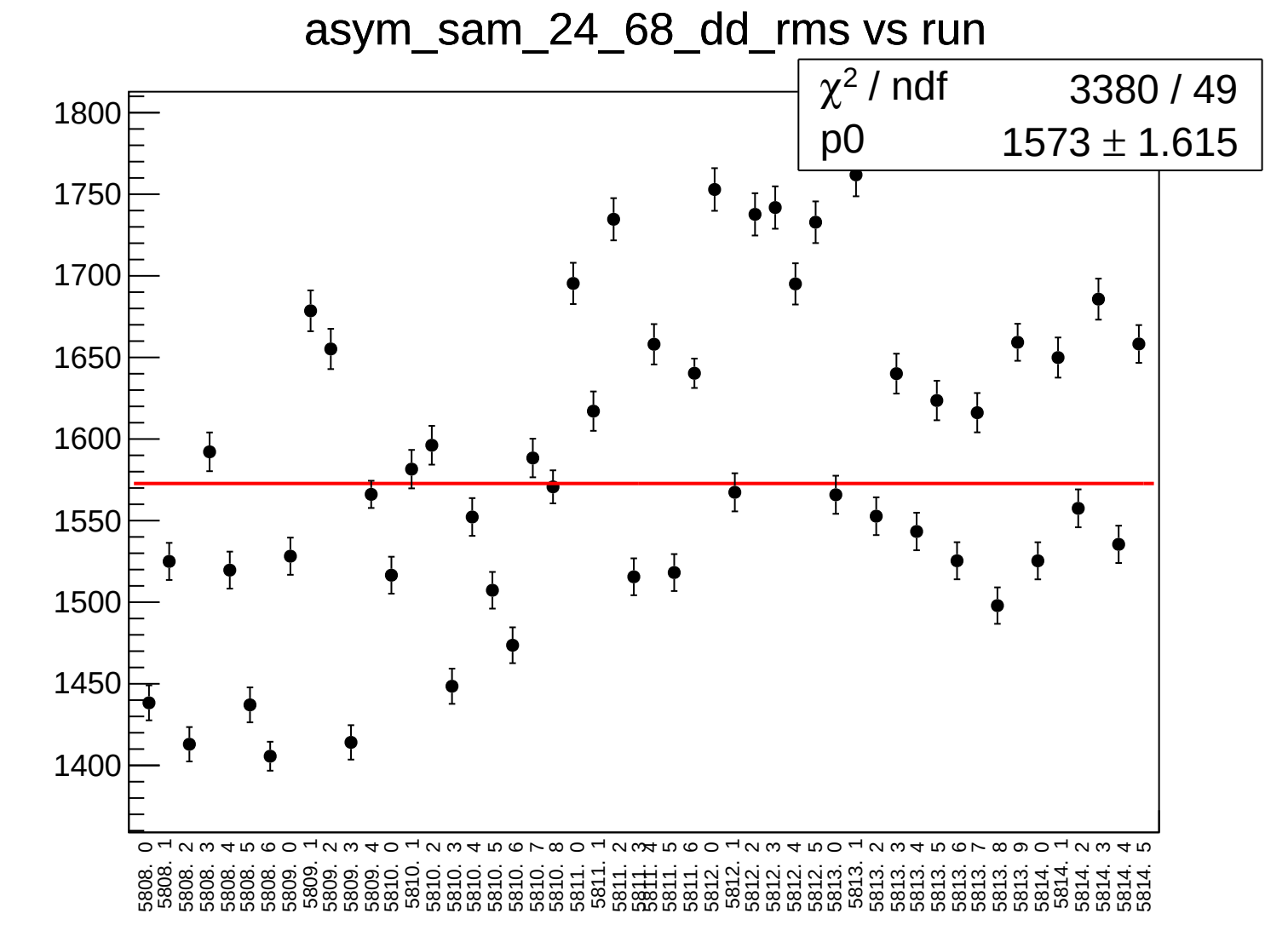

pull1D
Entries 50
Mean −0.005597
Std Dev 1.106
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

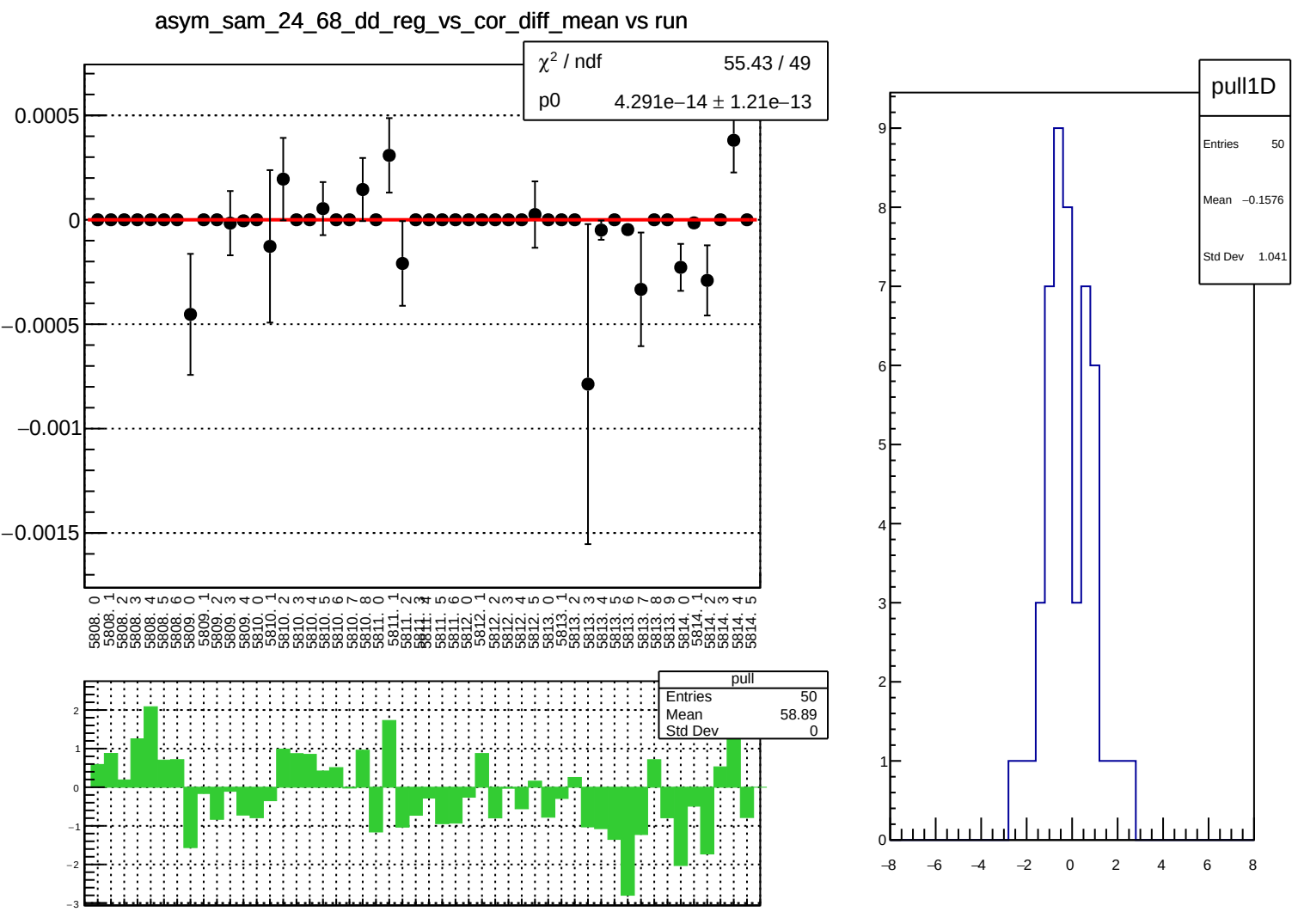

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 2495 / 49
p0 122.1 ± 0.1253
160
150
140
130
120
110
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

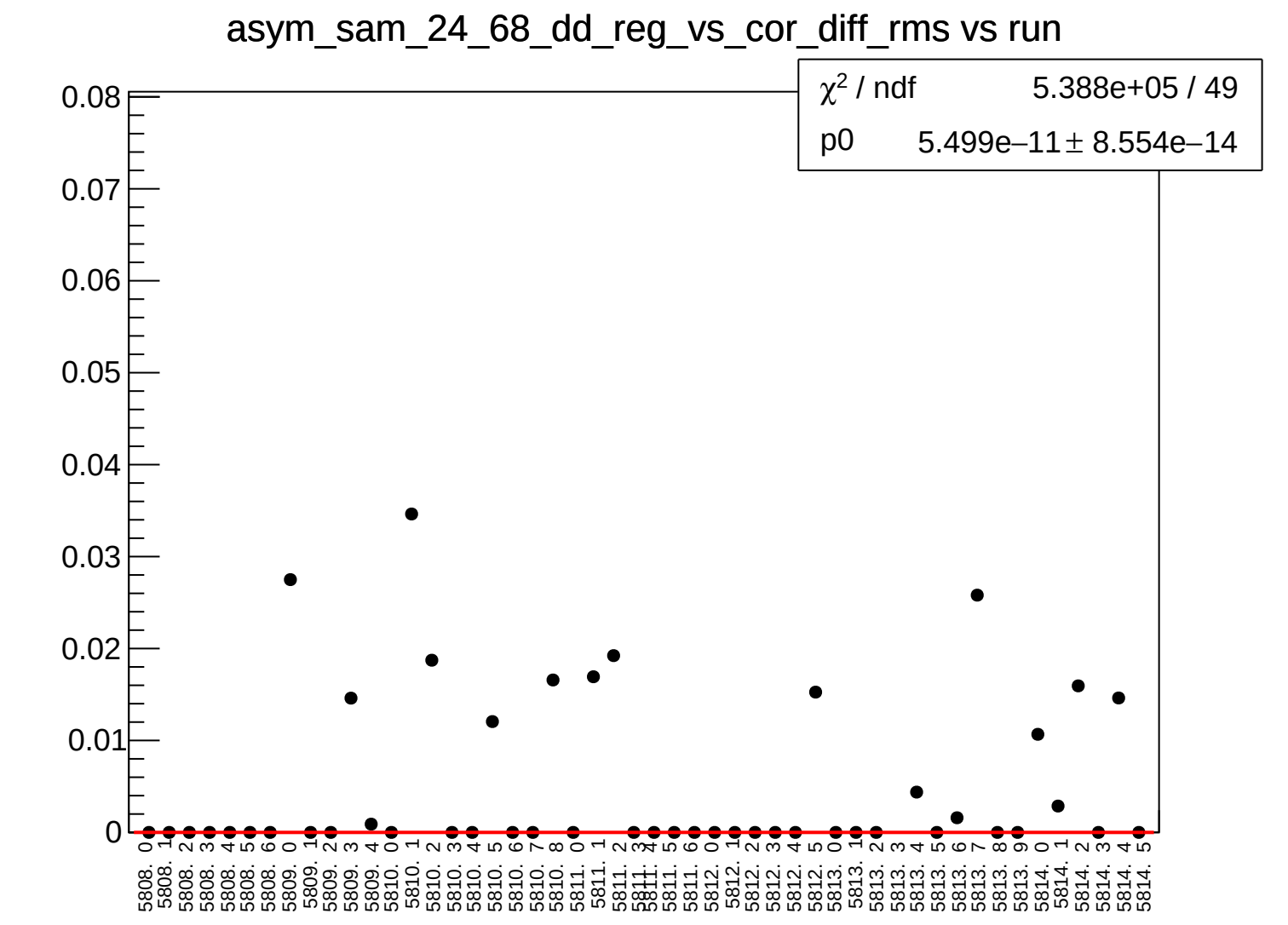

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.29 / 49
p0 −4499 ± 2323
pull
Entries 50
Mean −1969
Std Dev 0
pull1D
Entries 50
Mean 0.002594
Std Dev 1.003

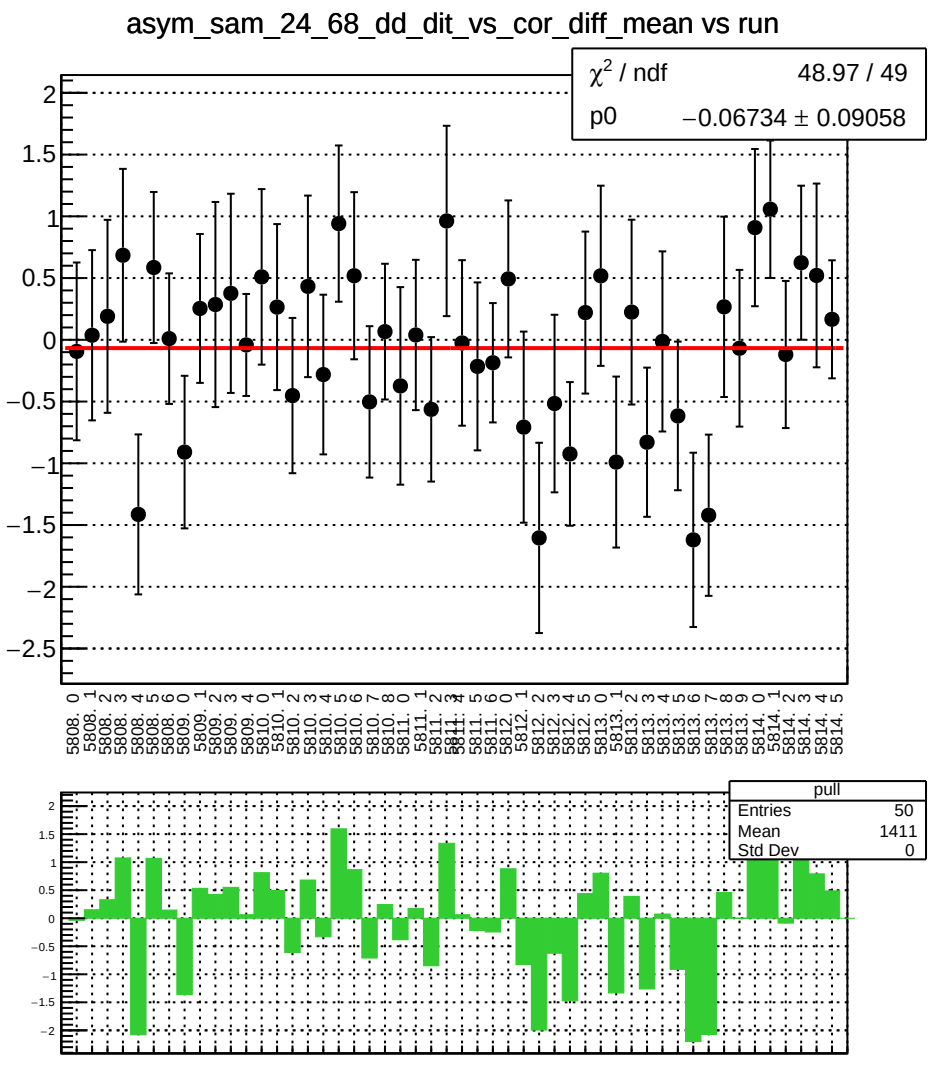

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 3115 / 49
p0 1600 ± 1.643
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

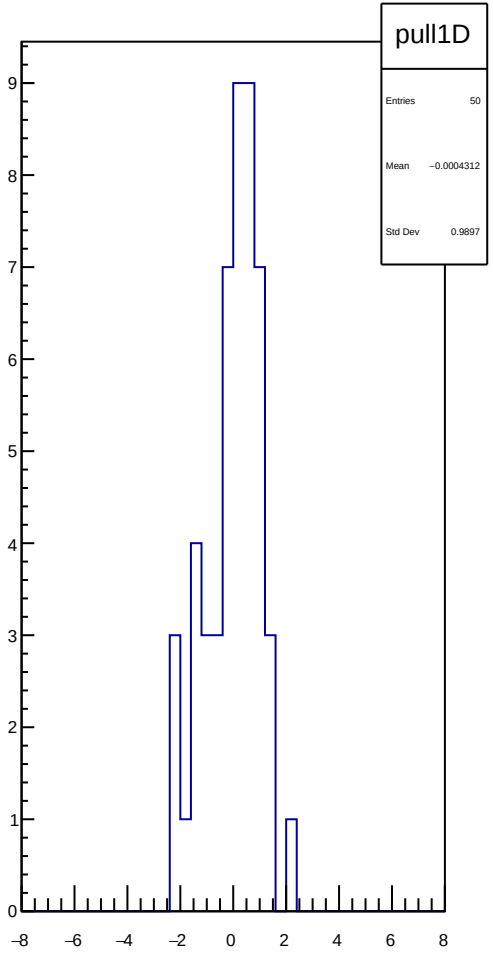

asym_sam_24_68_dd_mean vs run
χ² / ndf 51.17 / 49
p0 4068 ± 2284
80000
60000
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −3273
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.001644
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

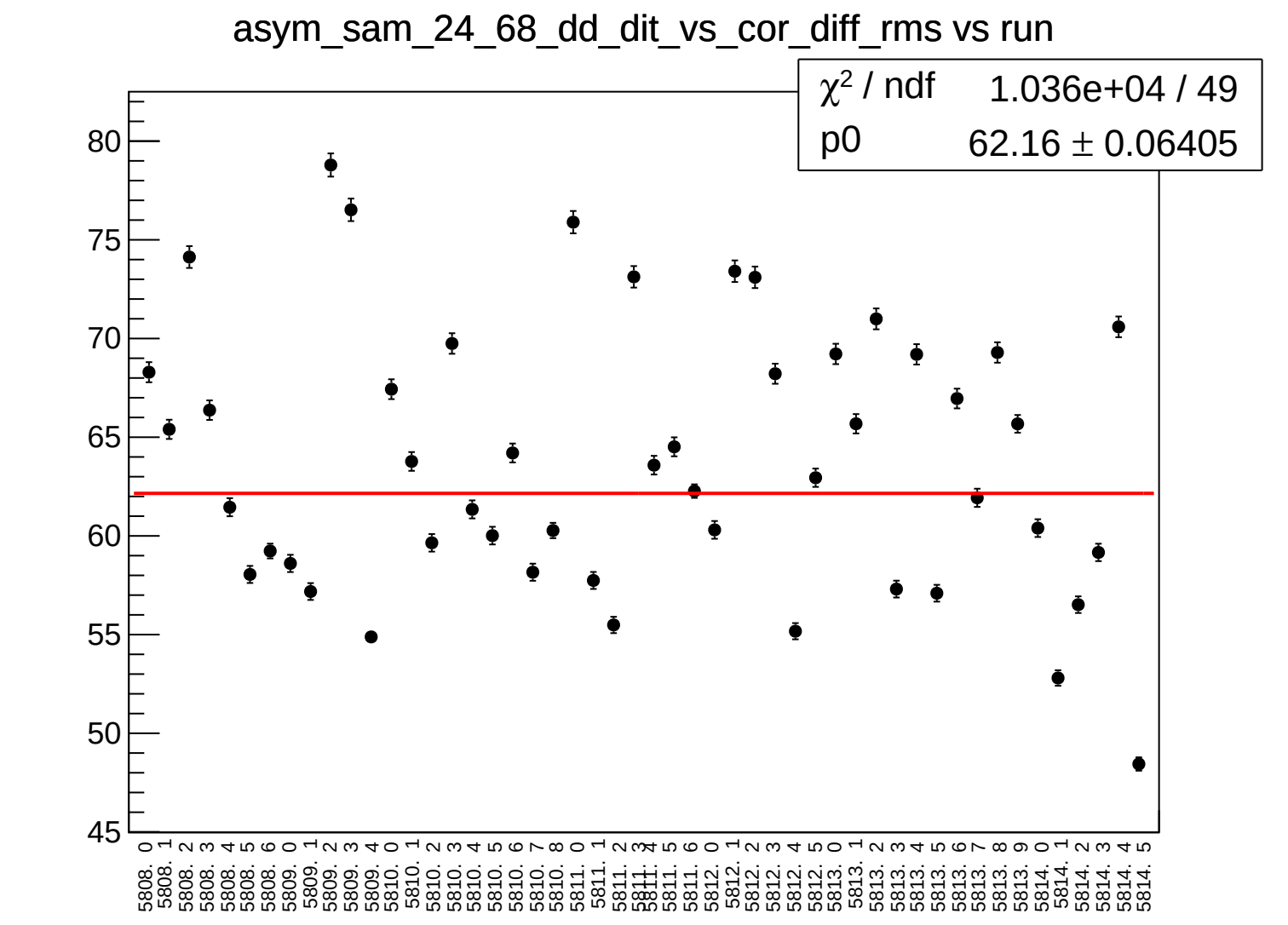

asym_sam_24_68_dd_rms vs run
χ² / ndf 3380 / 49
p0 1573 ± 1.615
1800
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

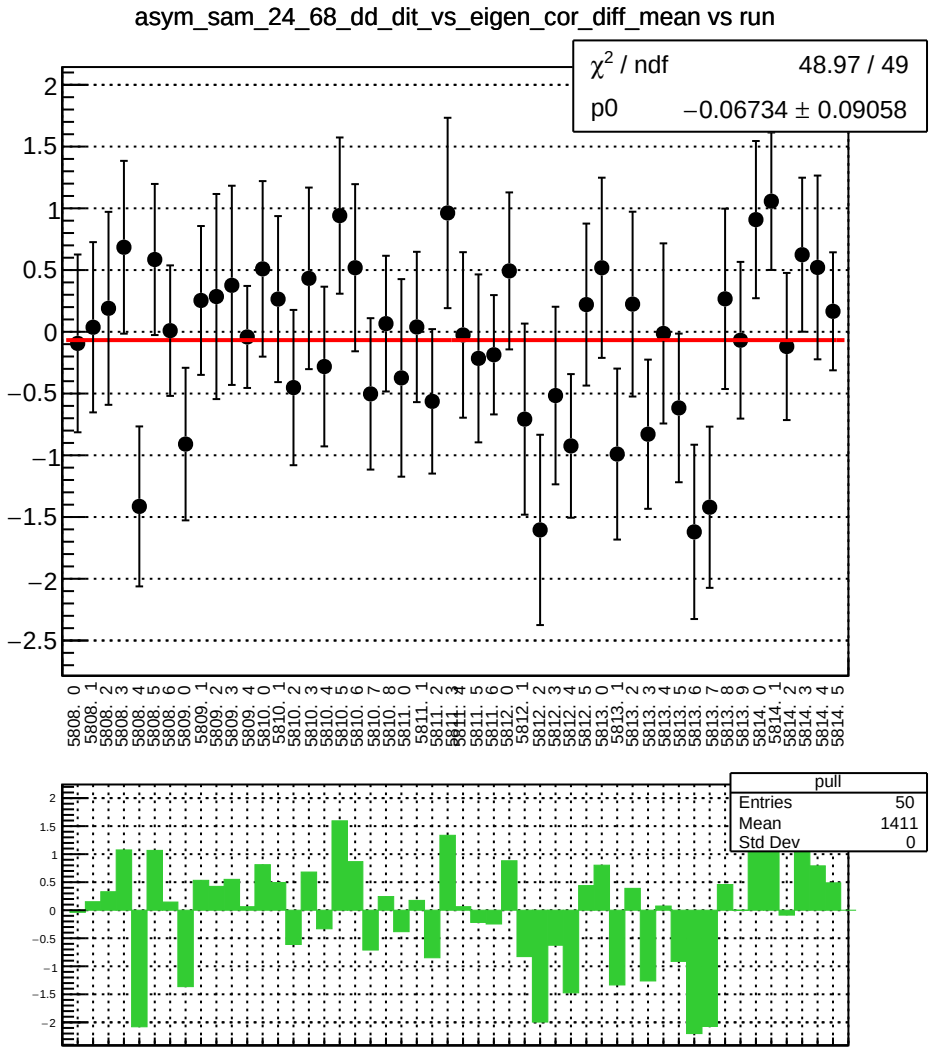

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 55.43 / 49
p0 4.291e−14 ± 1.21e−13
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 50
Mean 58.89
Std Dev 0
pull1D
Entries 50
Mean −0.1576
Std Dev 1.041

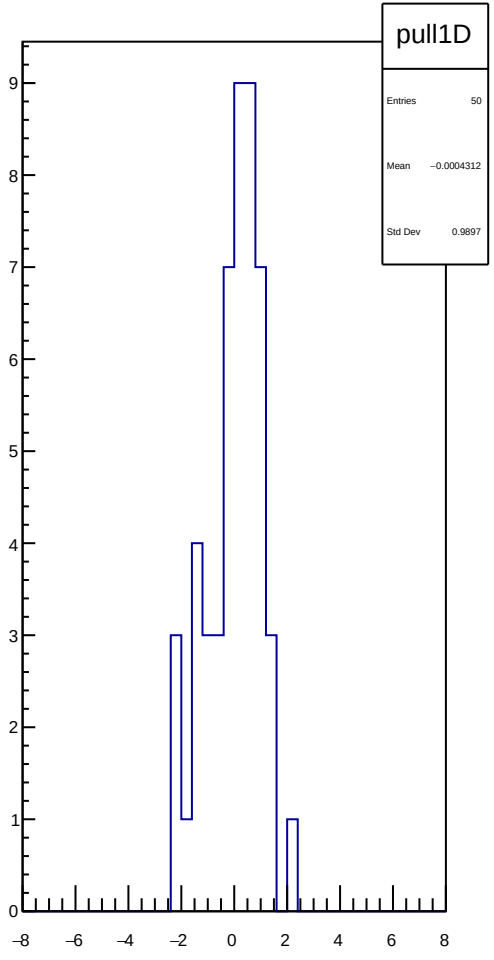

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.388e+05 / 49
p0 5.499e−11 ± 8.554e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

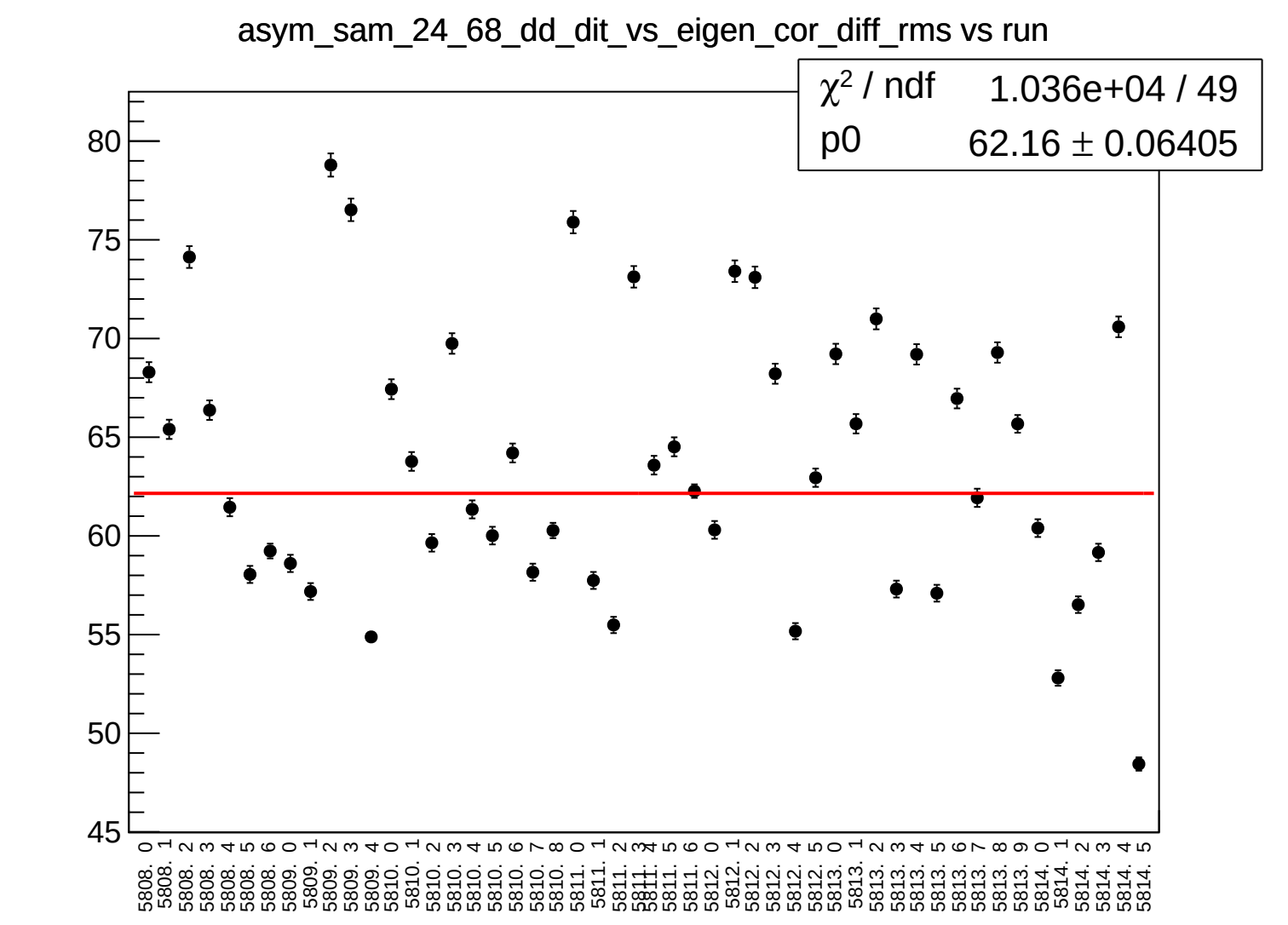

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.97 / 49
p0 −0.06734 ± 0.09058
pull
Entries 50
Mean 1411
Std Dev 0

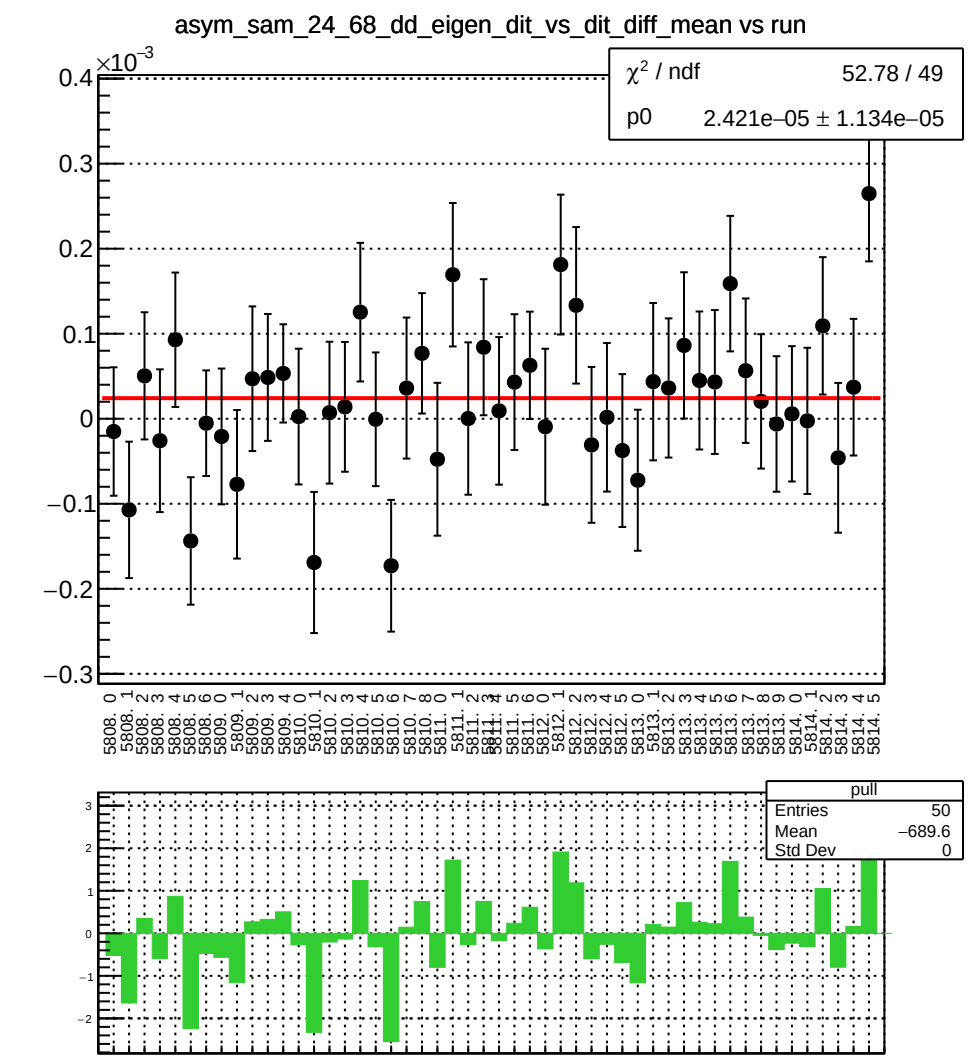

pull1D
Entries 50
Mean −0.0004312
Std Dev 0.9897

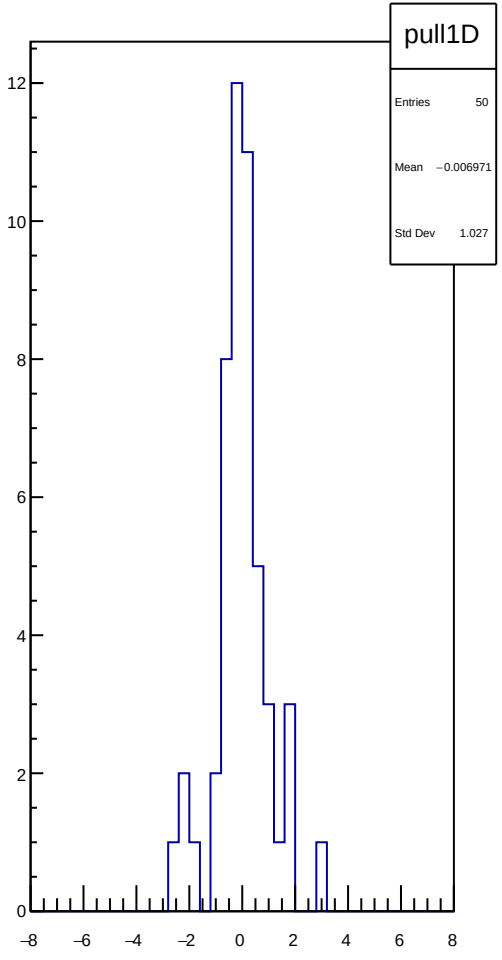

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.036e+04 / 49
p0 62.16 ± 0.06405
80
75
70
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

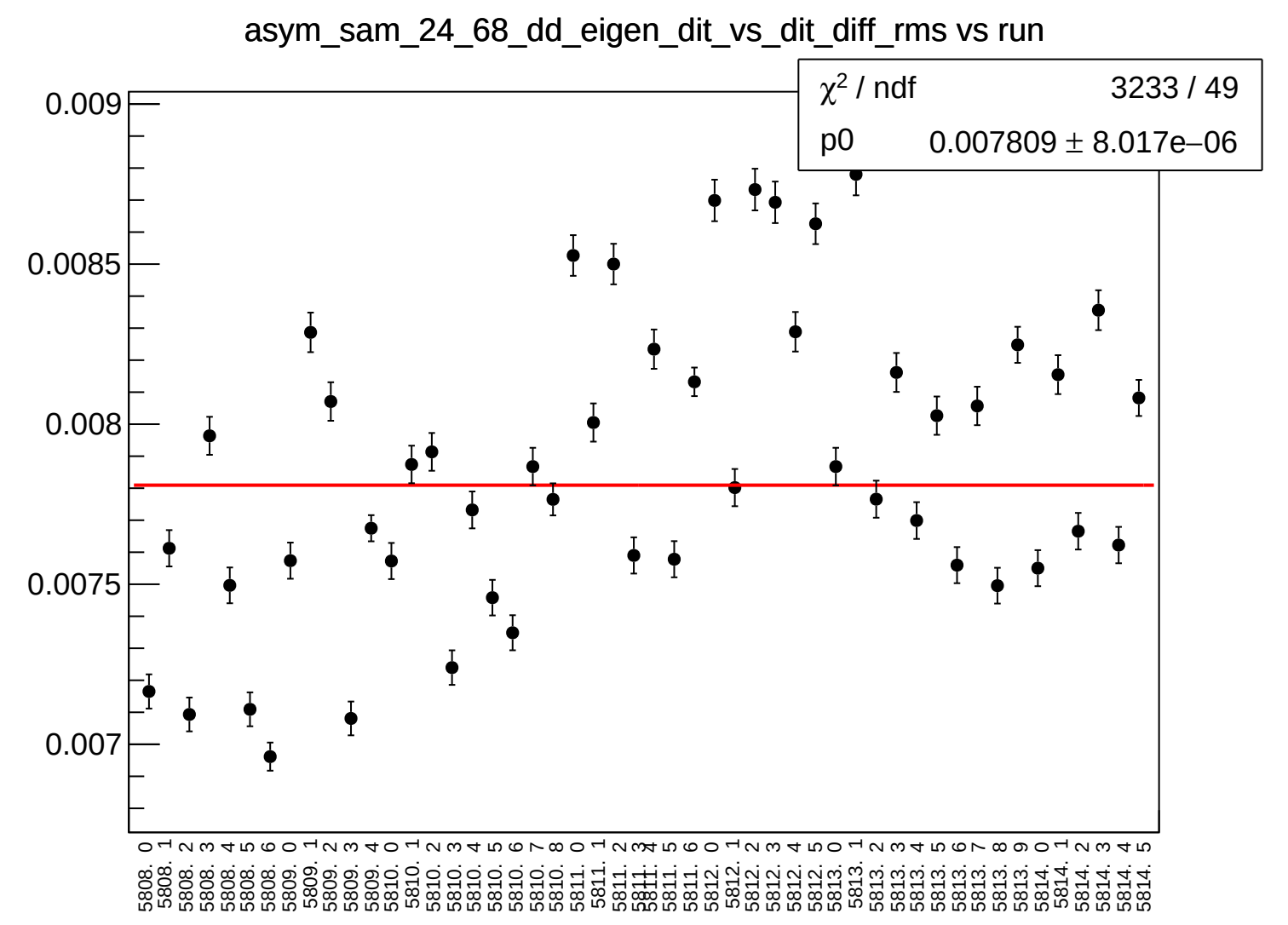

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.97 / 49
p0 −0.06734 ± 0.09058
pull
Entries 50
Mean 1411
Std Dev 0

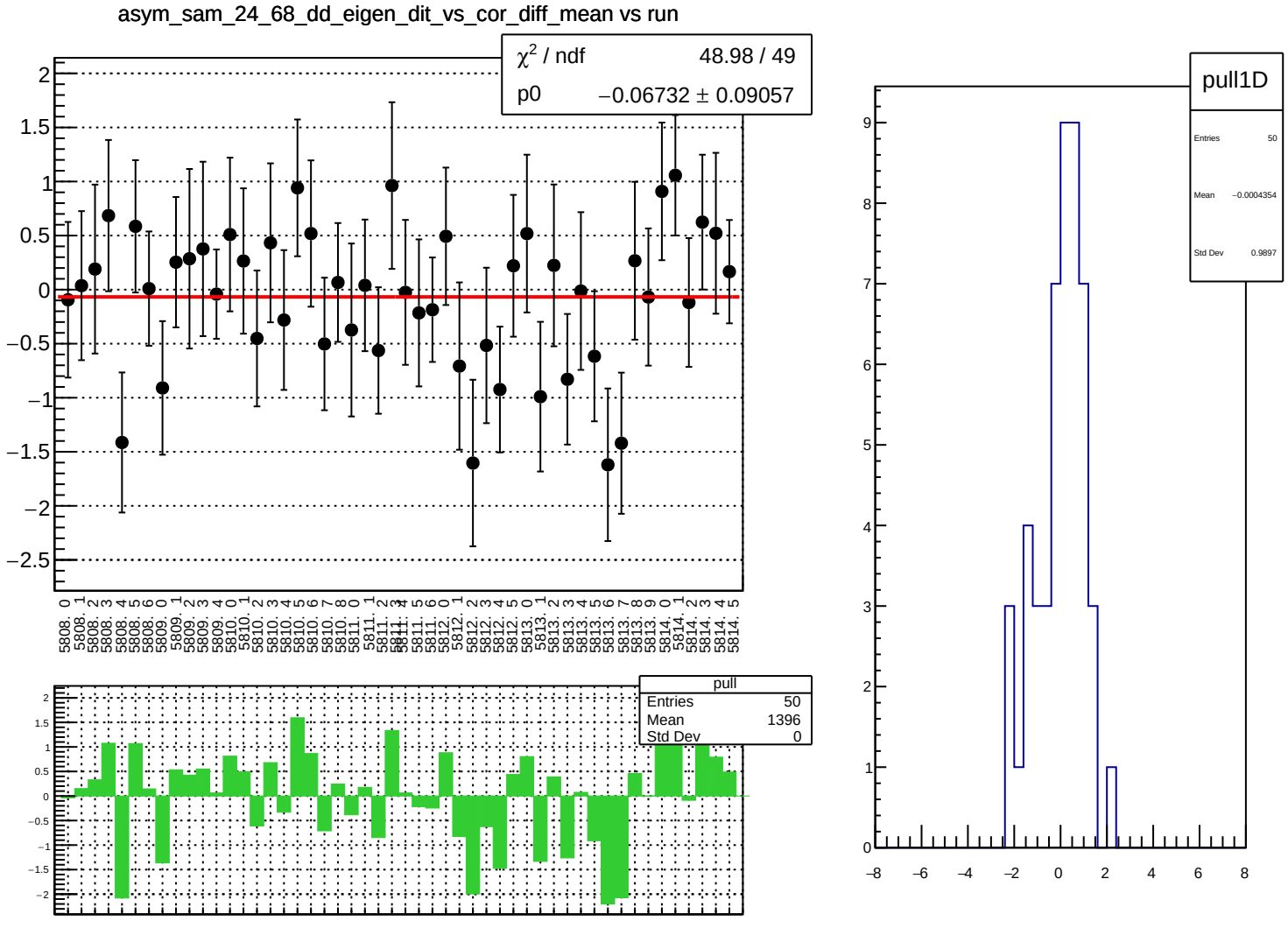

pull1D
Entries 50
Mean −0.0004312
Std Dev 0.9897

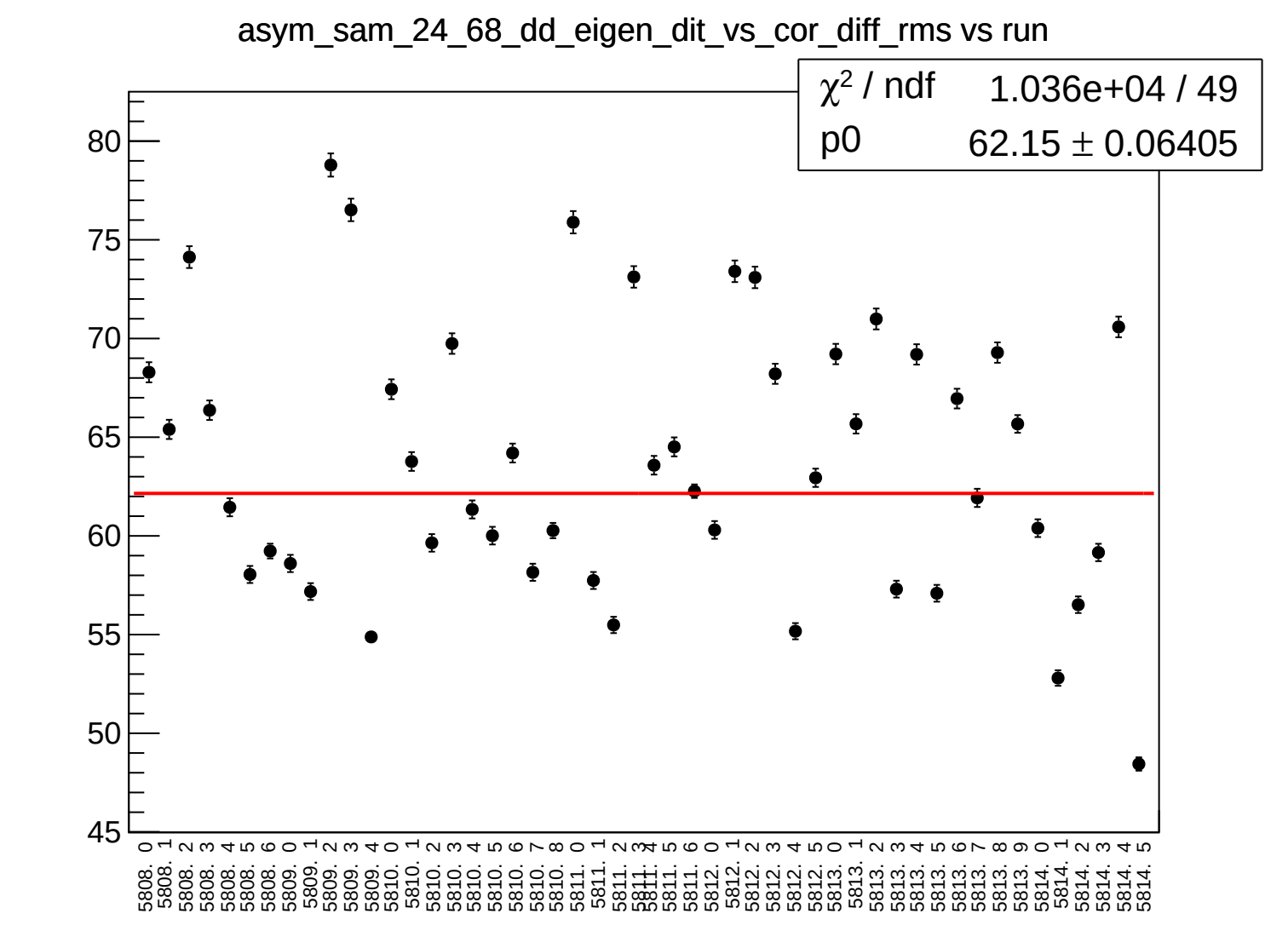

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.036e+04 / 49
p0 62.16 ± 0.06405
80
75
70
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.78 / 49
p0 2.421e−05 ± 1.134e−05
pull
Entries 50
Mean −689.6
Std Dev 0


pull1D
Entries 50
Mean −0.006971
Std Dev 1.027


asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3233 / 49
p0 0.007809 ± 8.017e−06
0.009
0.0085
0.008
0.0075
0.007
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.98 / 49
p0 −0.06732 ± 0.09057
pull
Entries 50
Mean 1396
Std Dev 0
pull1D
Entries 50
Mean −0.0004354
Std Dev 0.9897


asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.036e+04 / 49
p0 62.15 ± 0.06405
80
75
70
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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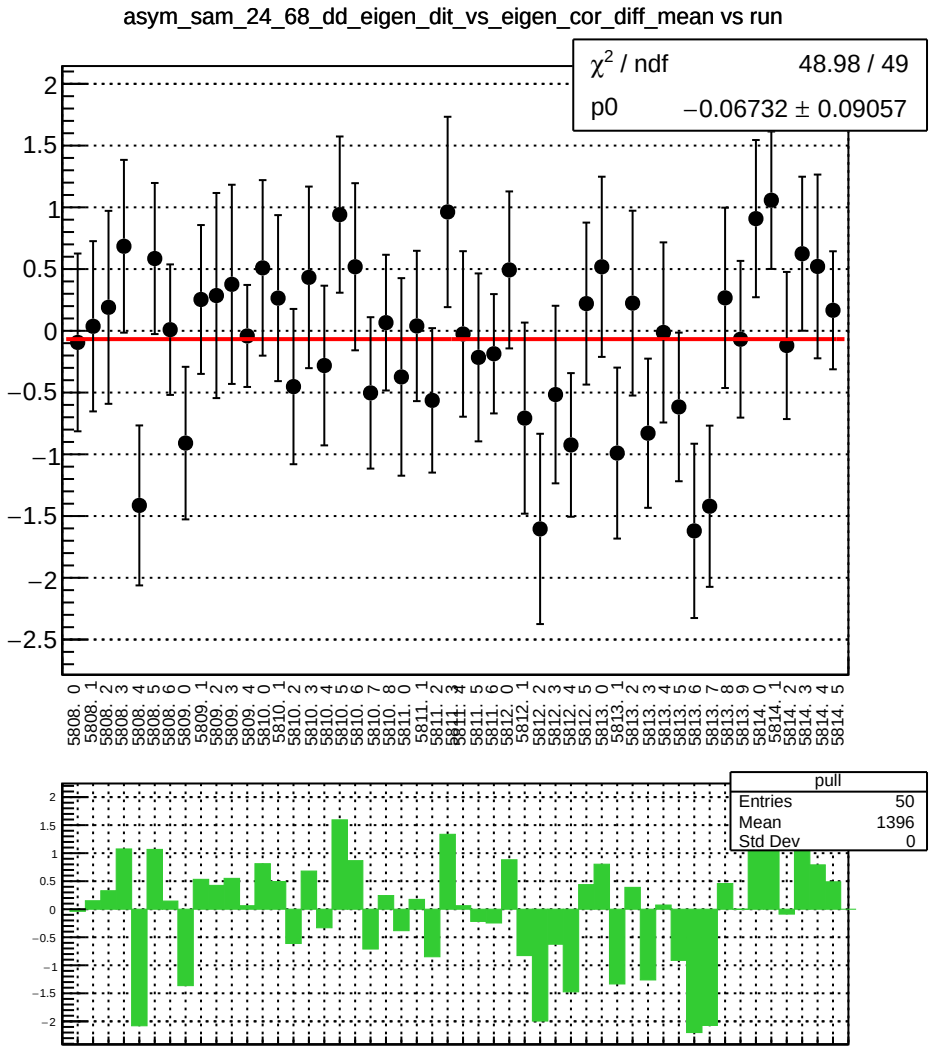
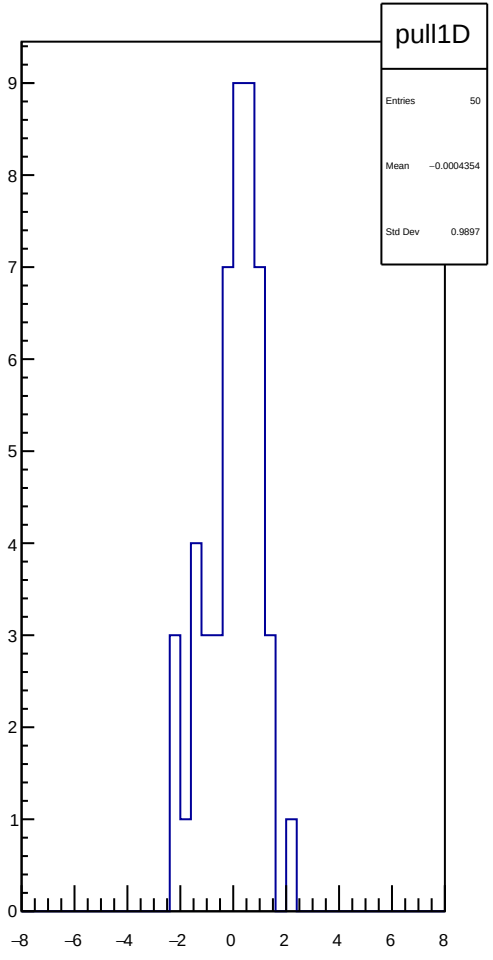
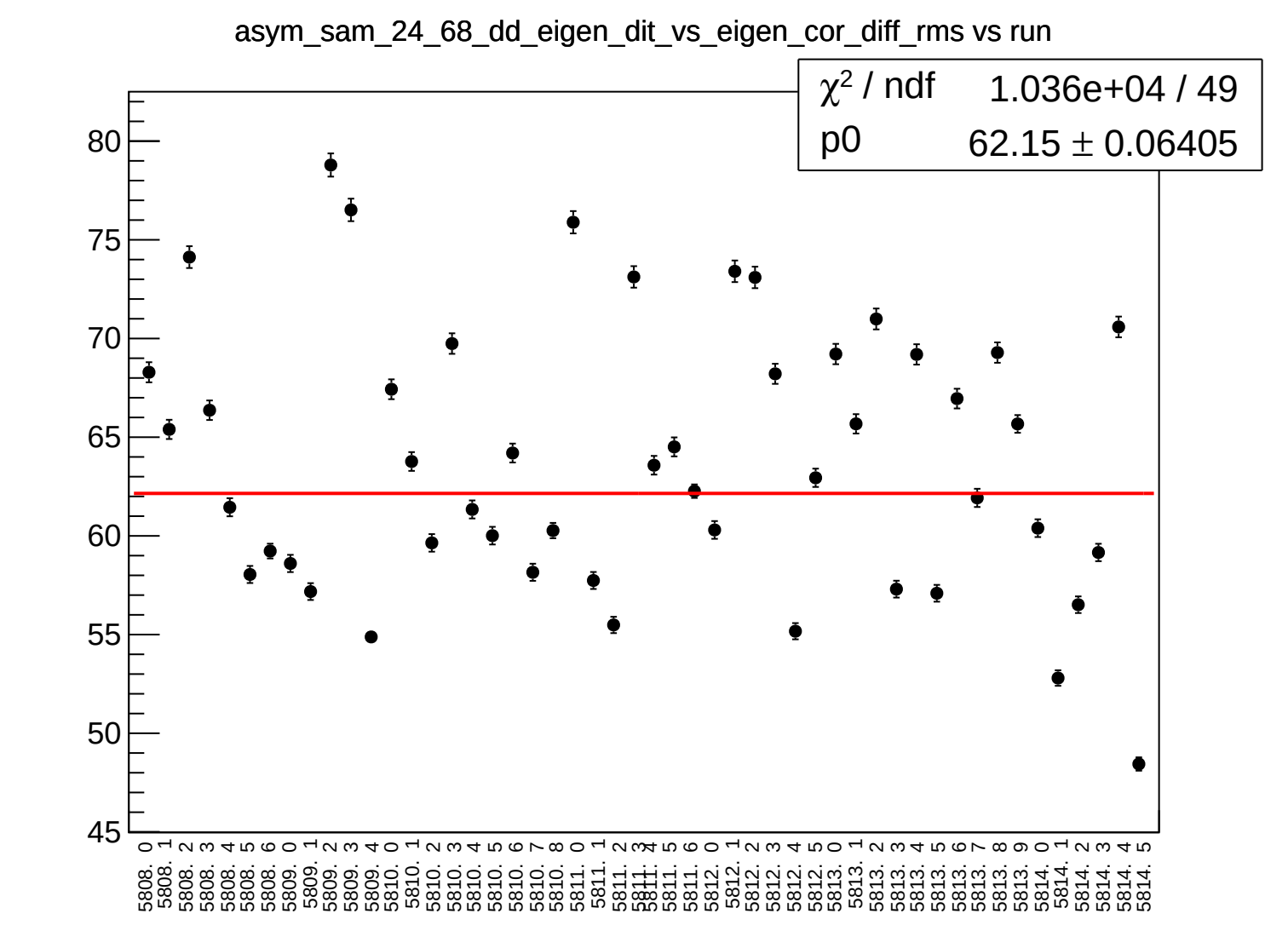
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.98 / 49
p0 −0.06732 ± 0.09057
pull
Entries 50
Mean 1396
Std Dev 0


pull1D
Entries 50
Mean −0.0004354
Std Dev 0.9897


asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.036e+04 / 49
p0 62.15 ± 0.06405
80
75
70
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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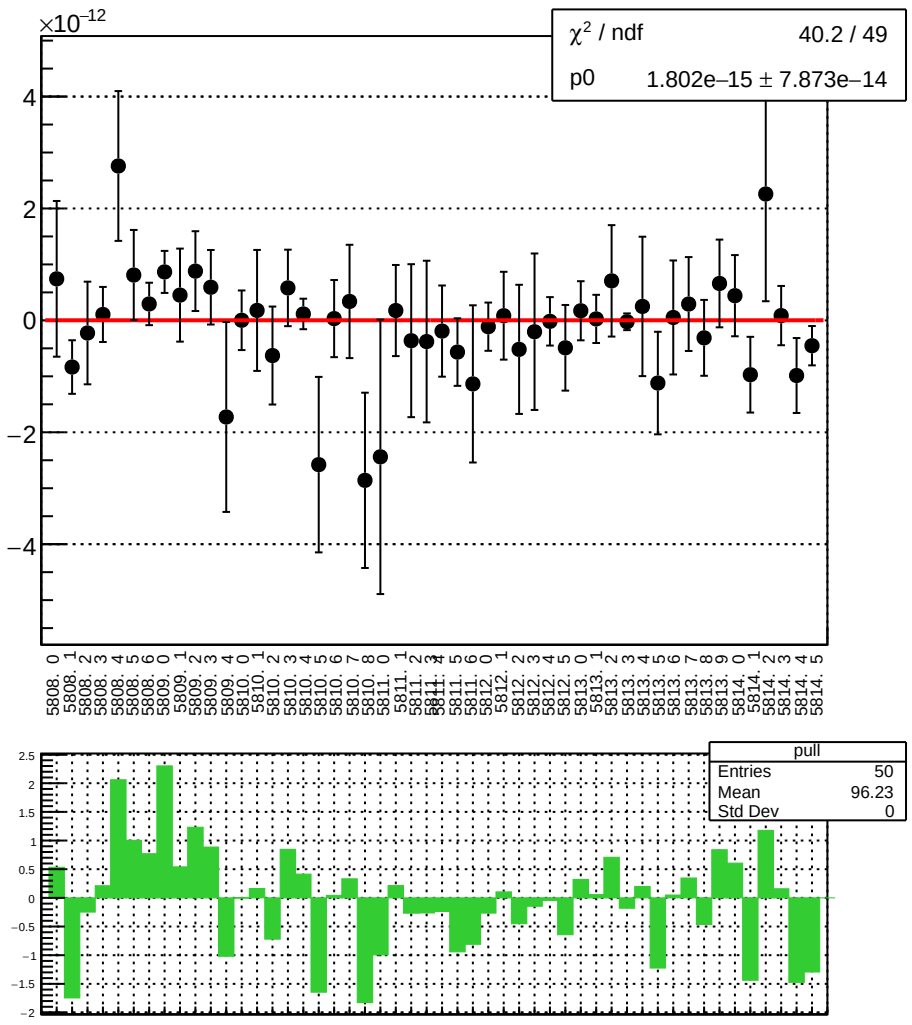
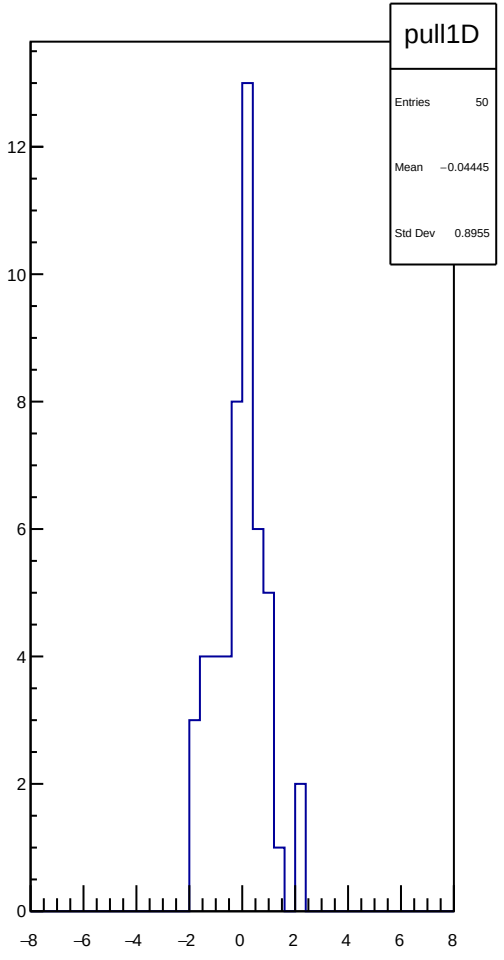
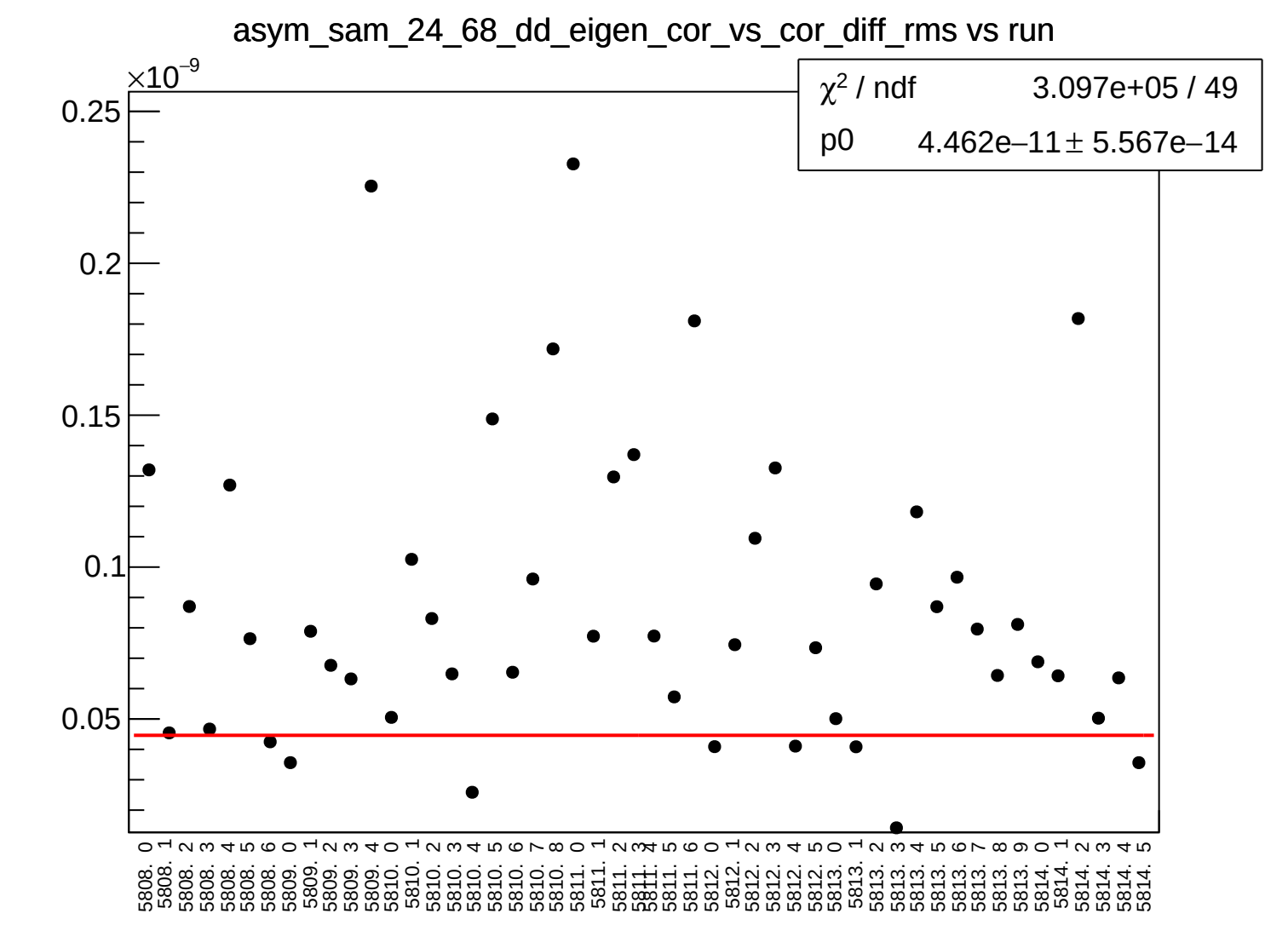
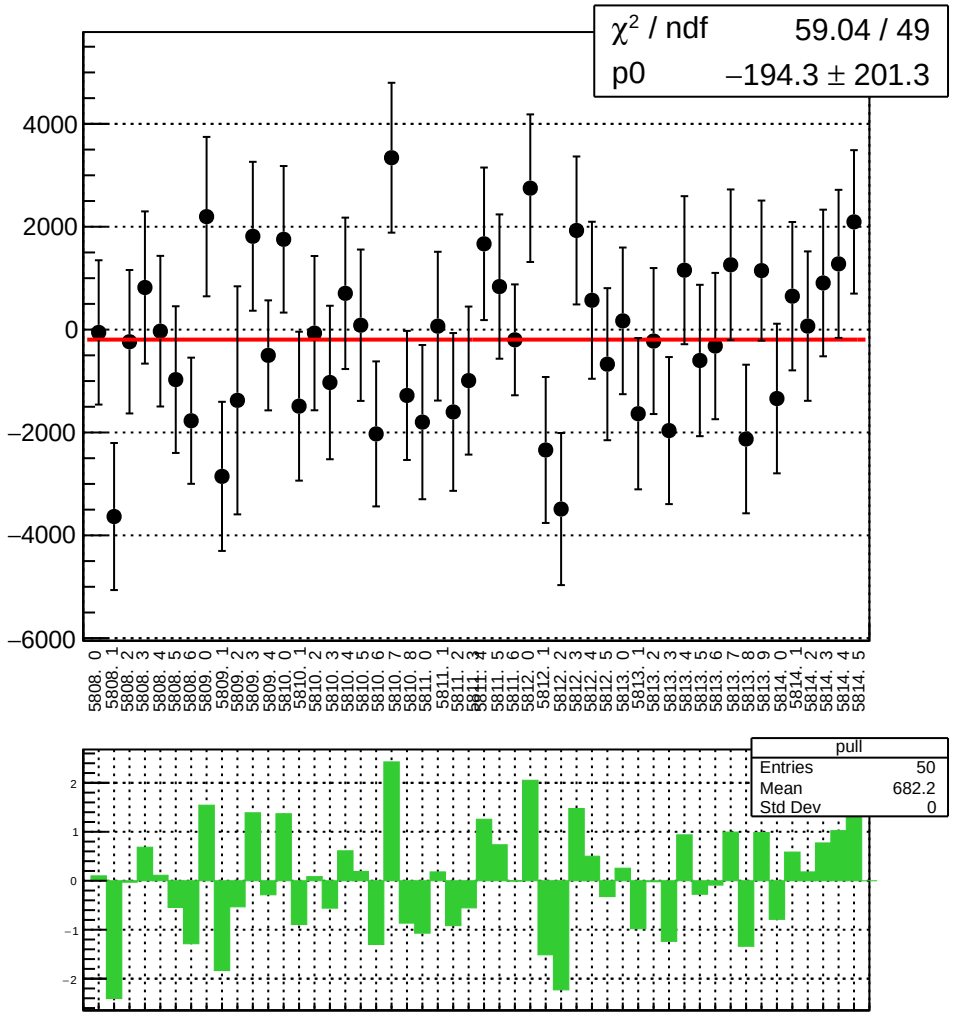
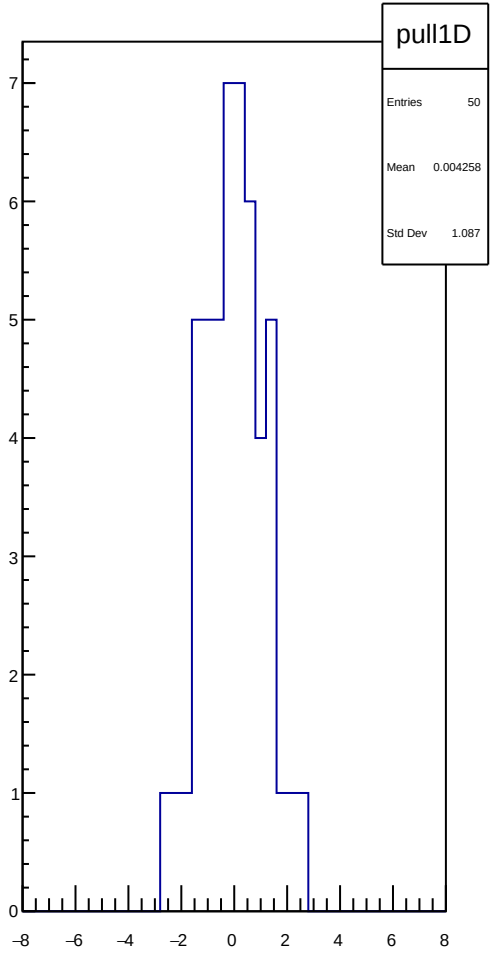
5814. 5

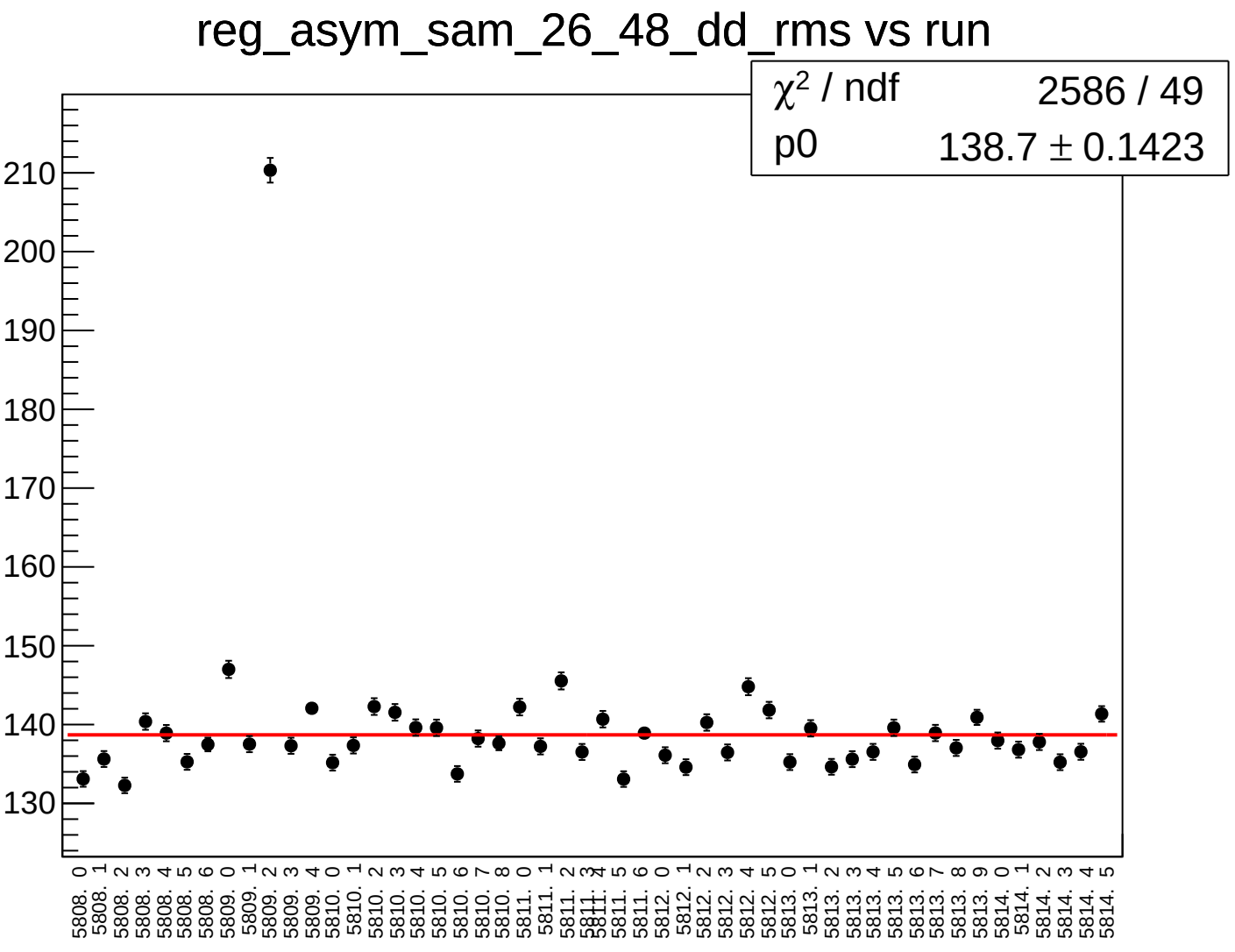

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.2 / 49
p0 1.802e−15 ± 7.873e−14
pull
Entries 50
Mean 96.23
Std Dev 0


pull1D
Entries 50
Mean −0.04445
Std Dev 0.8955


asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.097e+05 / 49
p0 4.462e−11 ± 5.567e−14
0.25
0.2
0.15
0.1
0.05
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 59.04 / 49
p0 −194.3 ± 201.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 682.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.004258
Std Dev 1.087
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 2586 / 49
p0 138.7 ± 0.1423
210
200
190
180
170
160
150
140
130
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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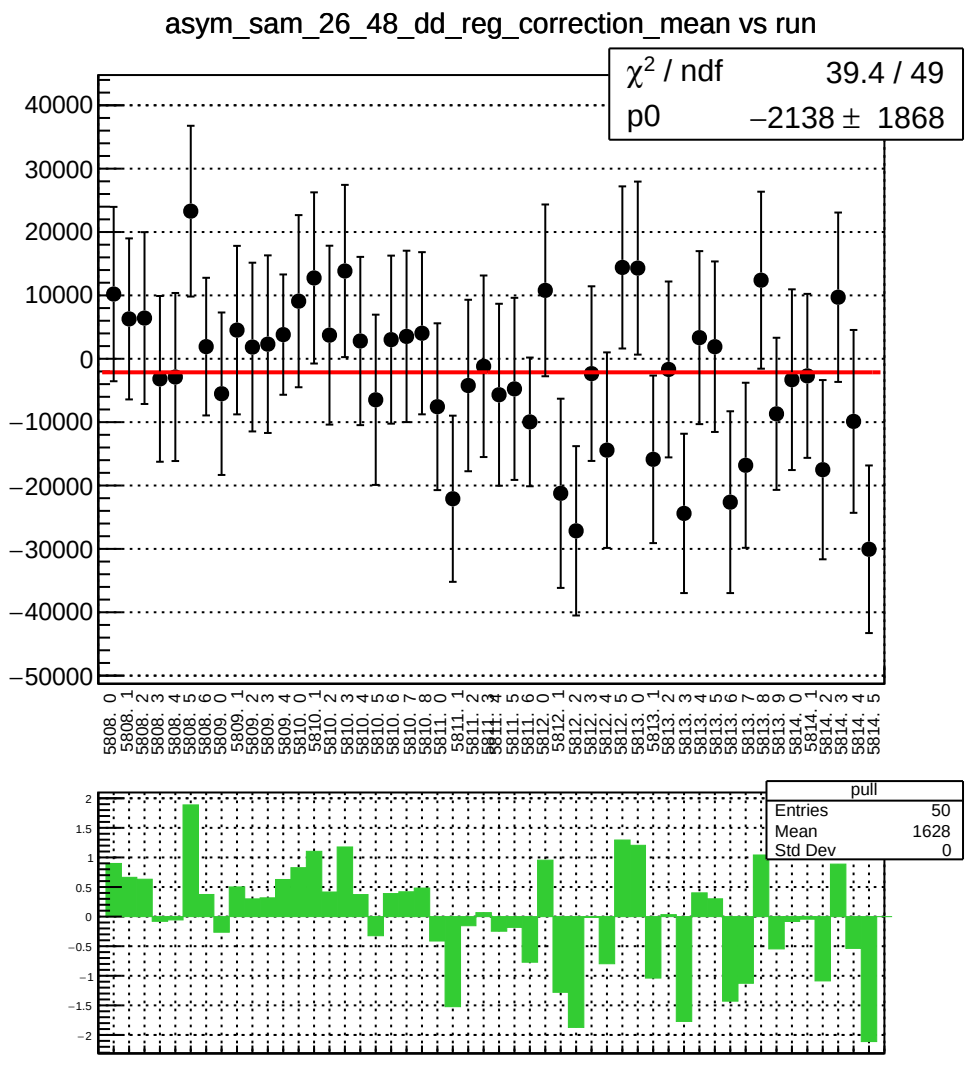
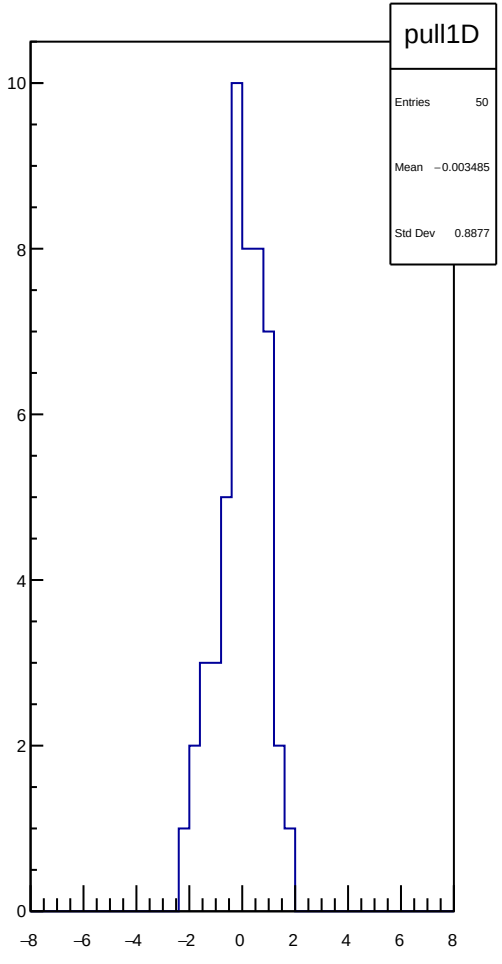
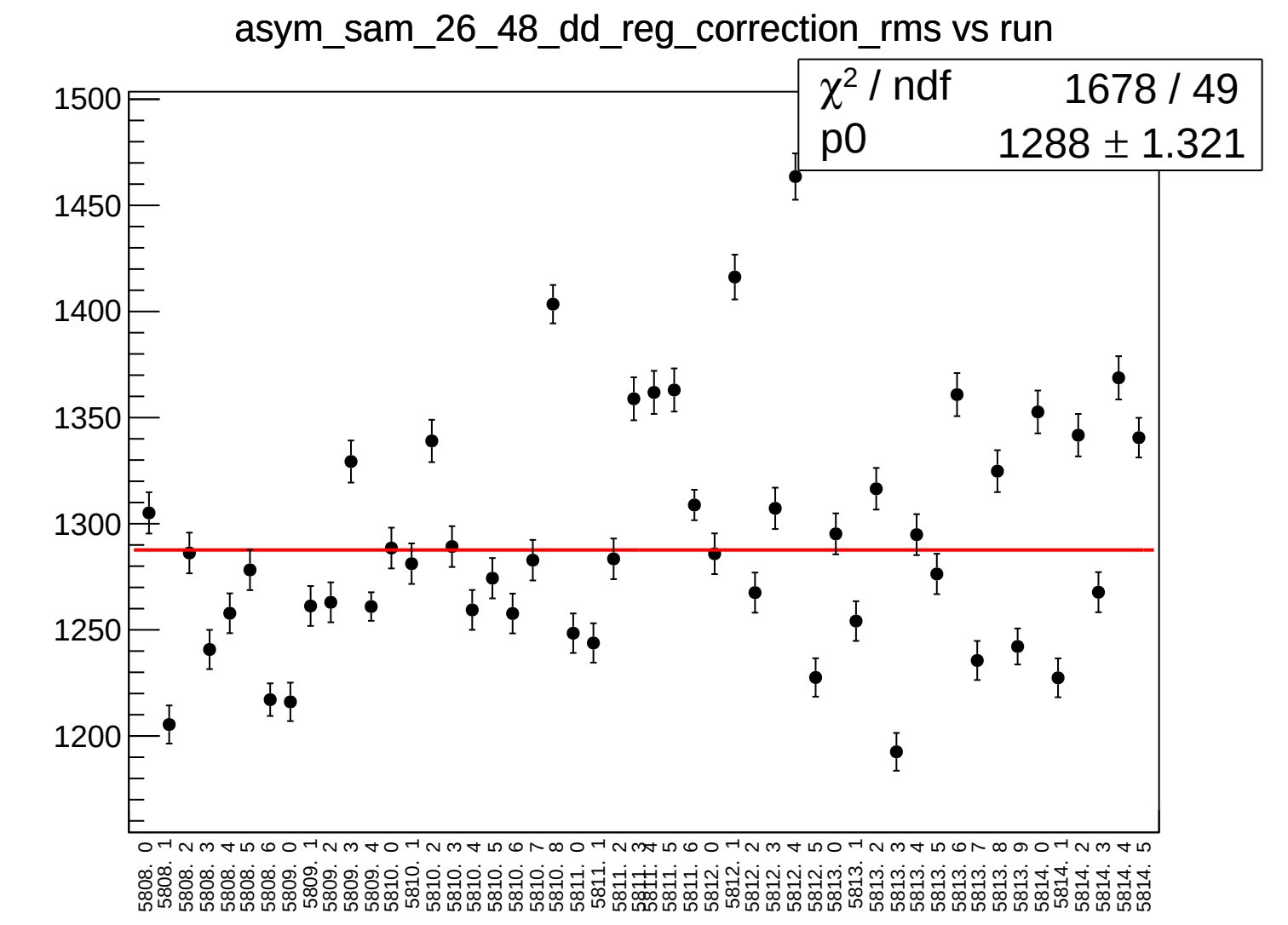
5814. 4
5814. 5


asym_sam_26_48_dd_reg_correction_mean vs run
χ^2 / ndf 39.4 / 49
p0 −2138 ± 1868
pull
Entries 50
Mean 1628
Std Dev 0


pull1D
Entries 50
Mean −0.003485
Std Dev 0.8877


asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 1678 / 49
p0 1288 ± 1.321
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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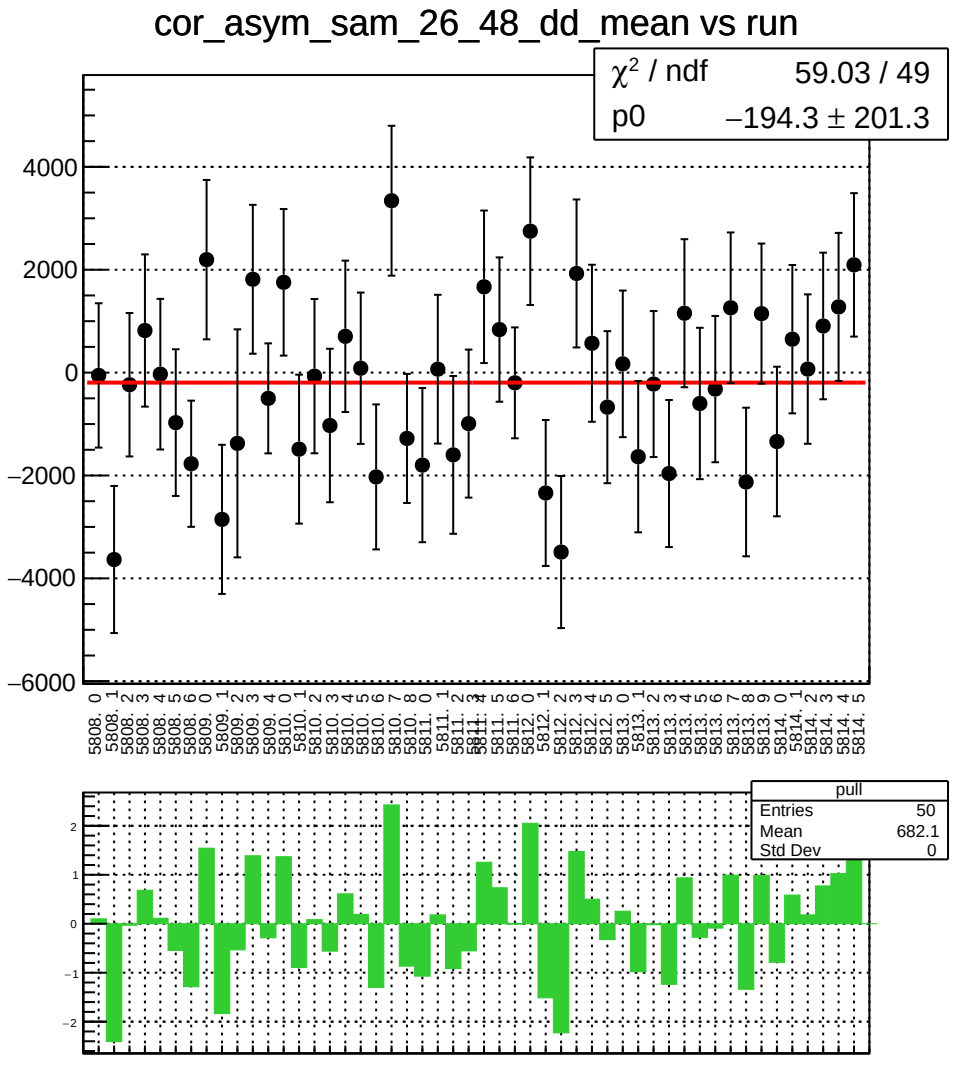
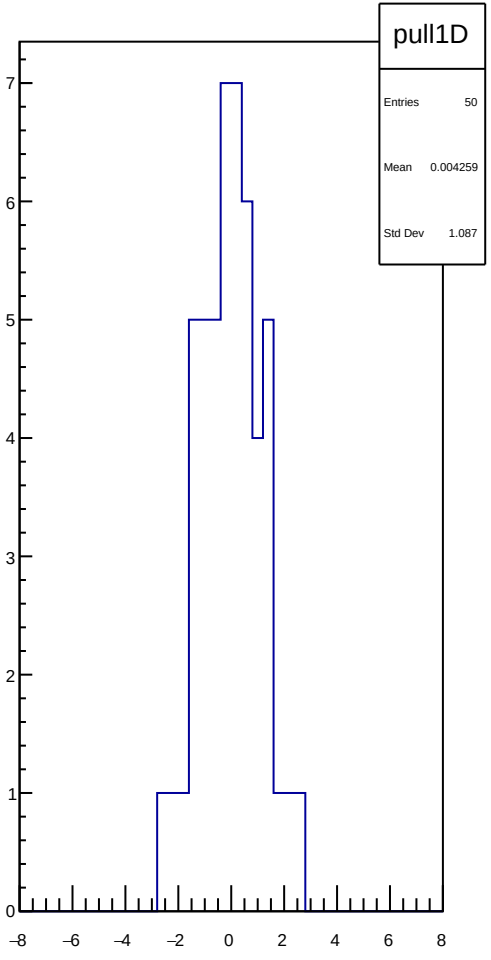
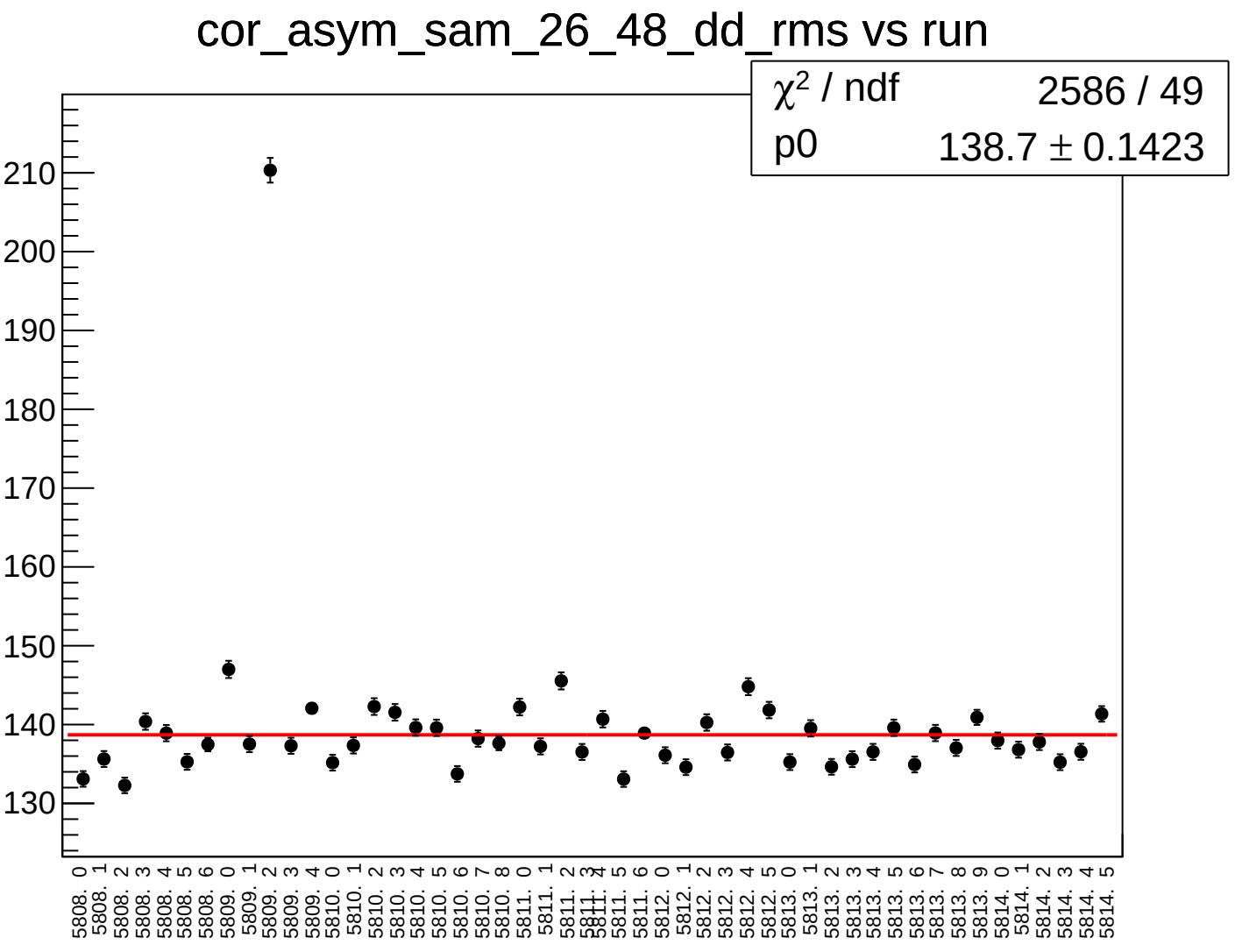
5814. 4
5814. 5


cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 59.03 / 49
p0 −194.3 ± 201.3
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 682.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.004259
Std Dev 1.087
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2586 / 49
p0 138.7 ± 0.1423
210
200
190
180
170
160
150
140
130
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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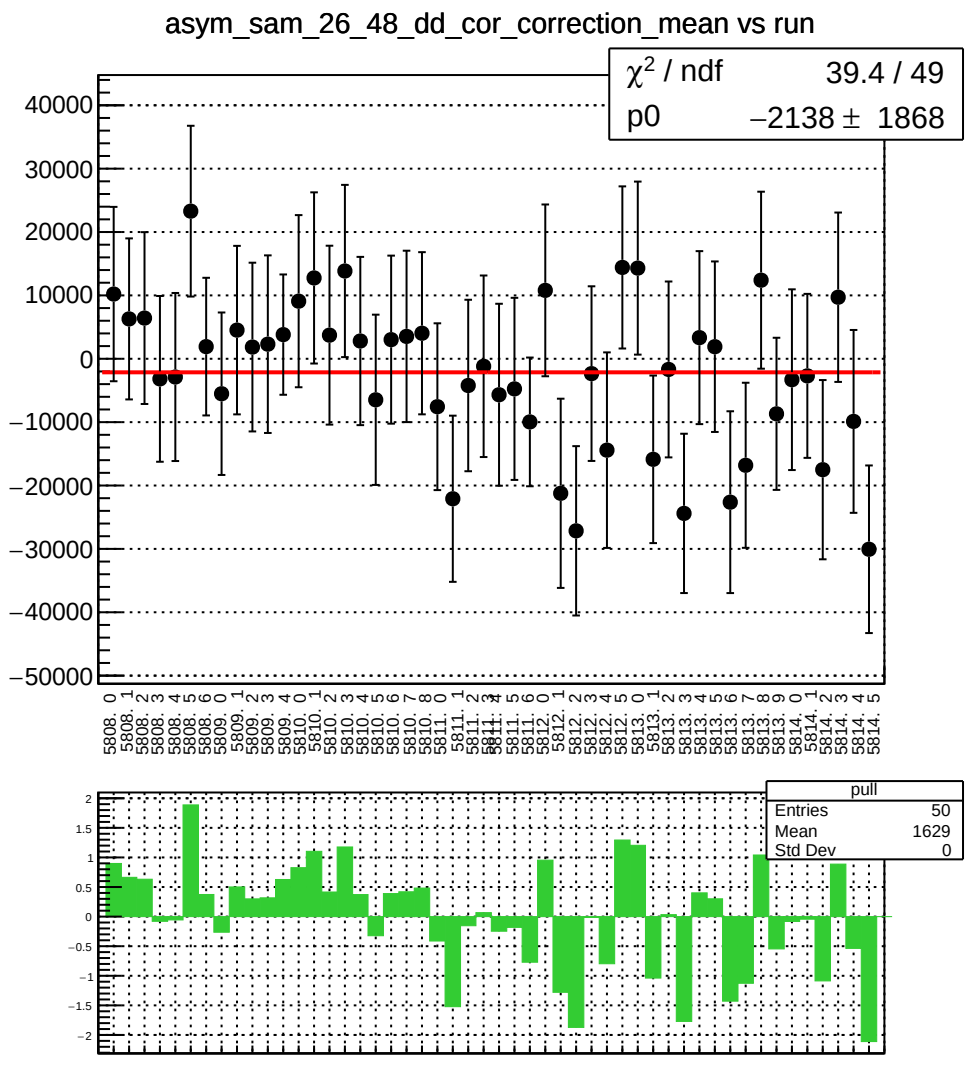
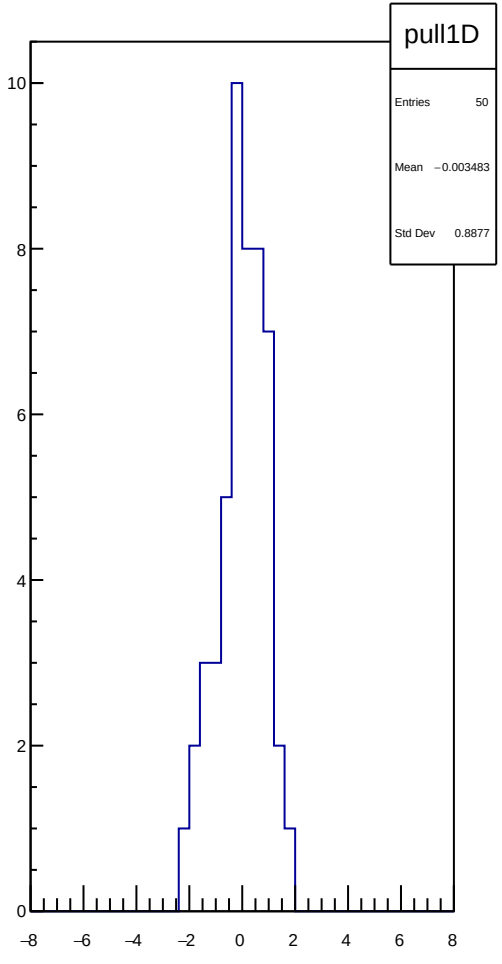
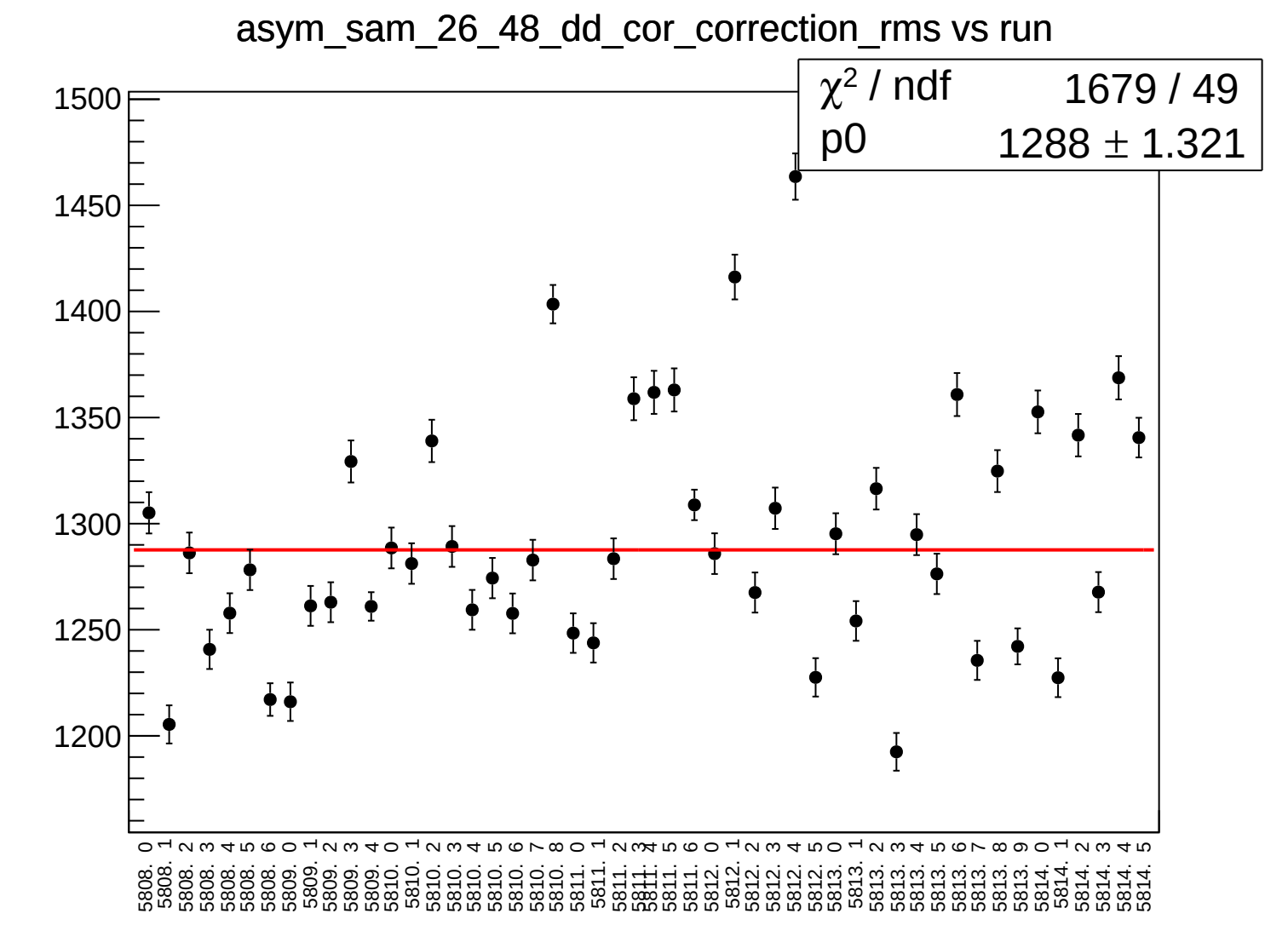
5814. 4
5814. 5


asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 39.4 / 49
p0 −2138 ± 1868
pull
Entries 50
Mean 1629
Std Dev 0


pull1D
Entries 50
Mean −0.003483
Std Dev 0.8877


asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 1679 / 49
p0 1288 ± 1.321
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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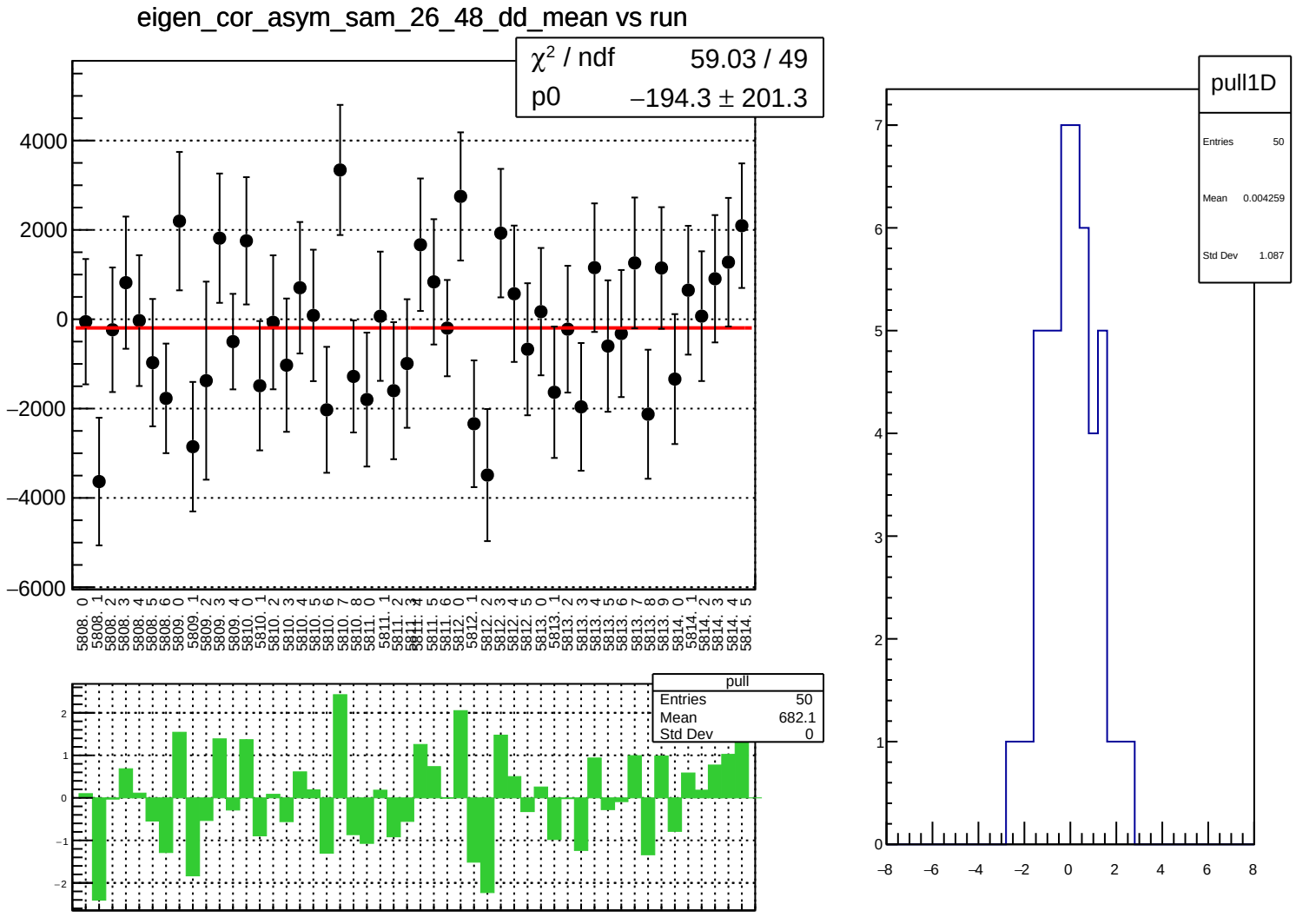
5814. 4
5814. 5


eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 59.03 / 49
p0 −194.3 ± 201.3
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5813. 0
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5813. 2
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5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 682.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.004259
Std Dev 1.087
7
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5
4
3
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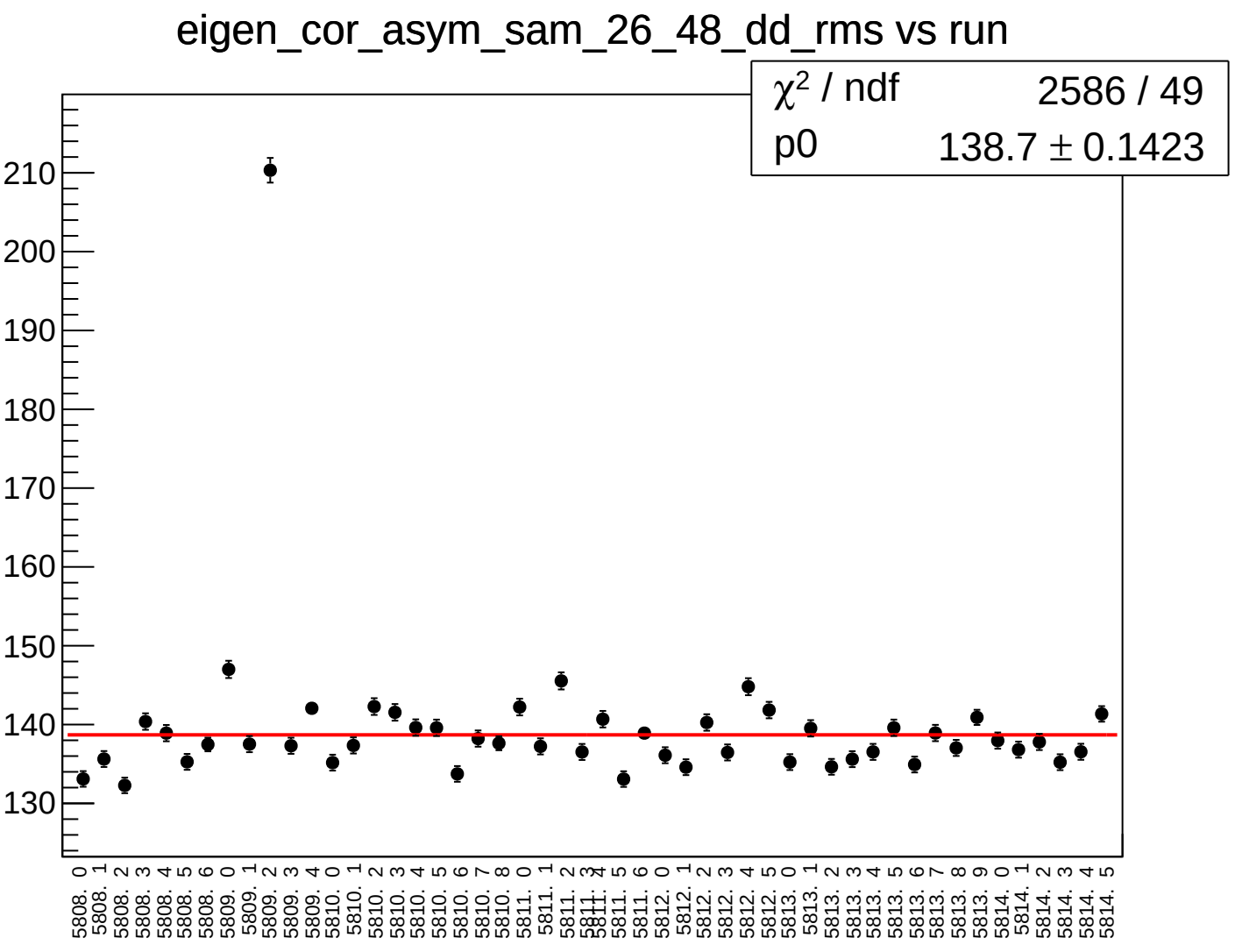
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 2586 / 49
p0 138.7 ± 0.1423
210
200
190
180
170
160
150
140
130
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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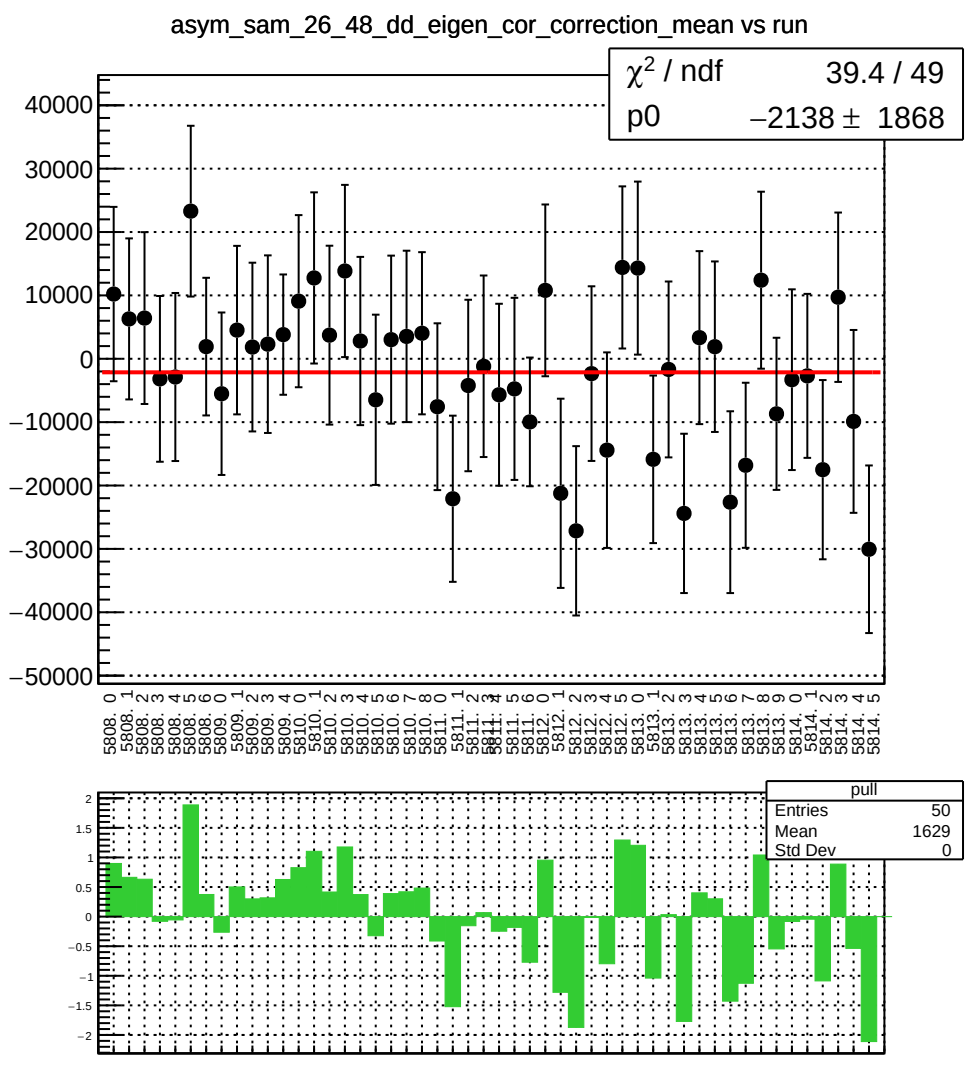
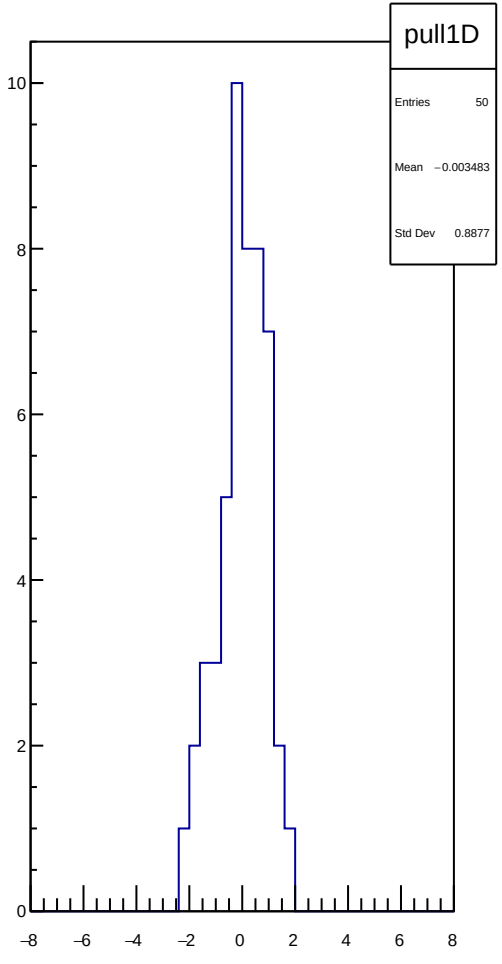
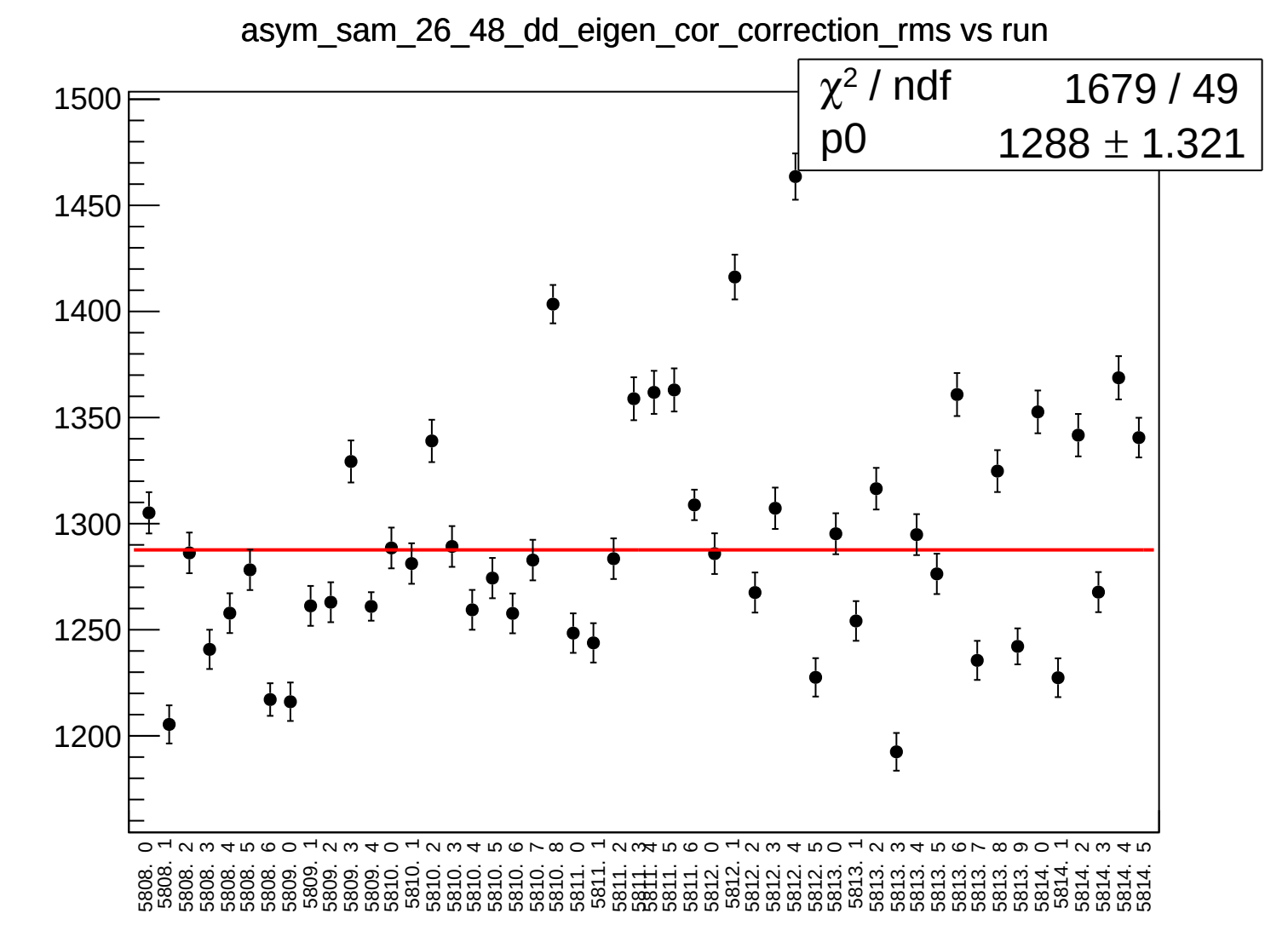
5814. 5


asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.4 / 49
p0 −2138 ± 1868
pull
Entries 50
Mean 1629
Std Dev 0


pull1D
Entries 50
Mean −0.003483
Std Dev 0.8877


asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1679 / 49
p0 1288 ± 1.321
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
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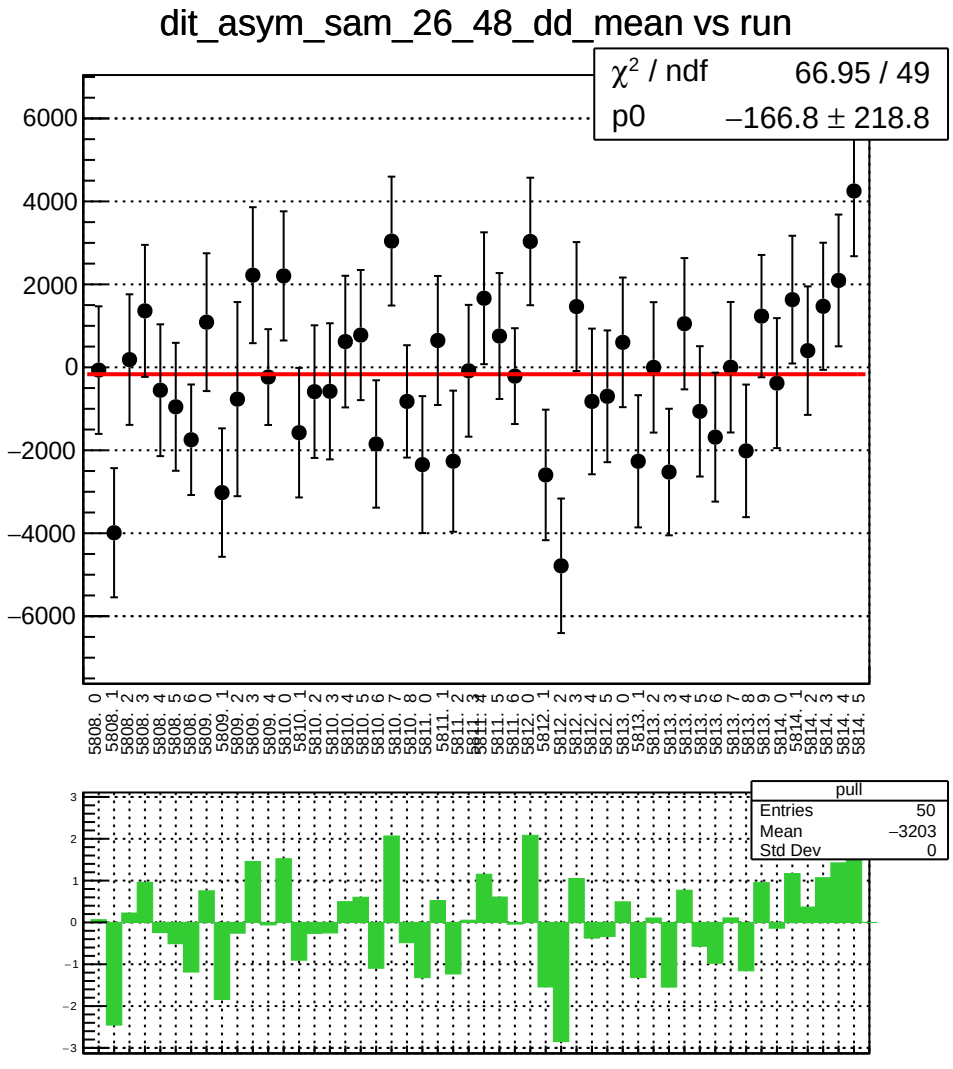
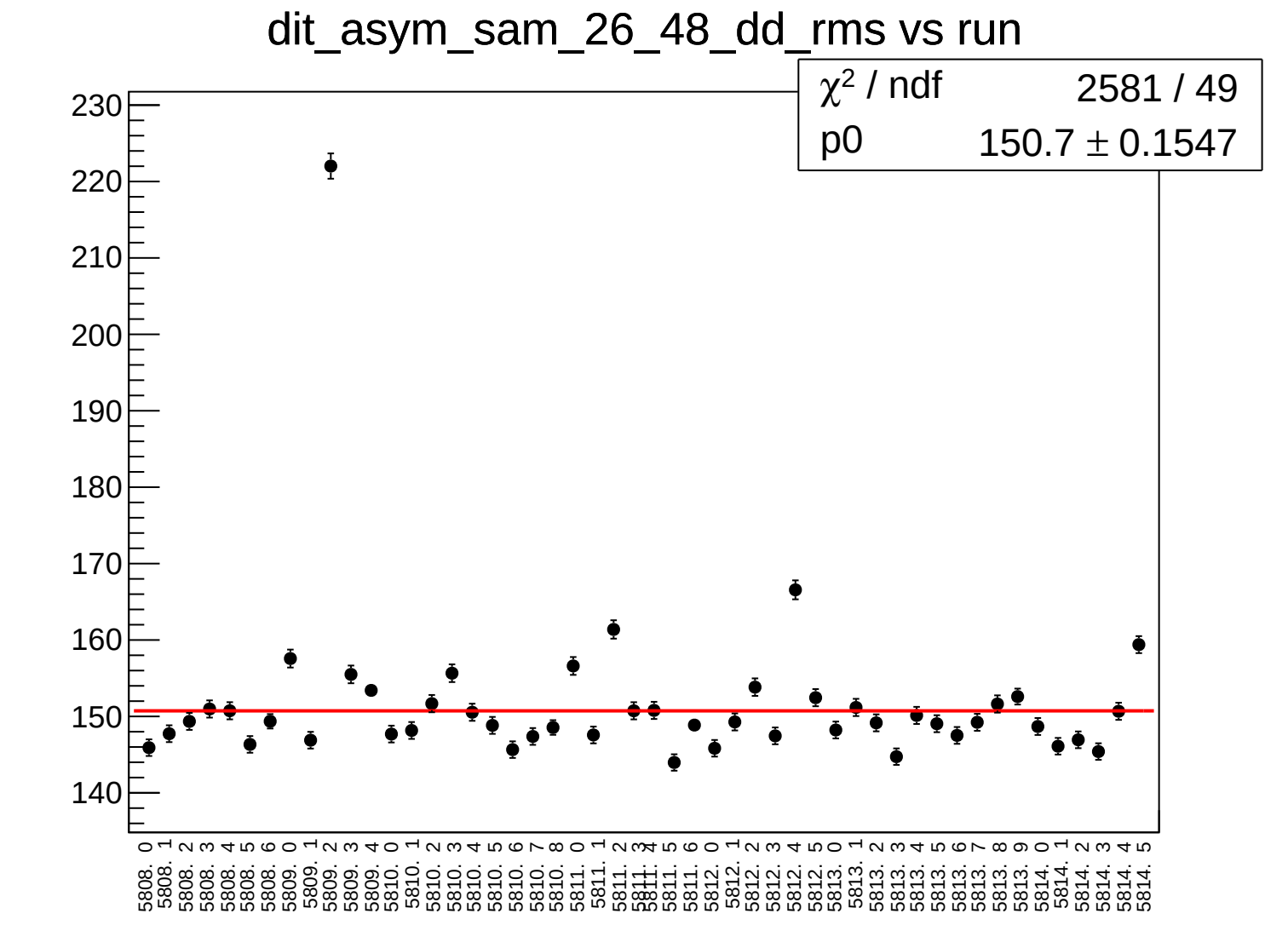
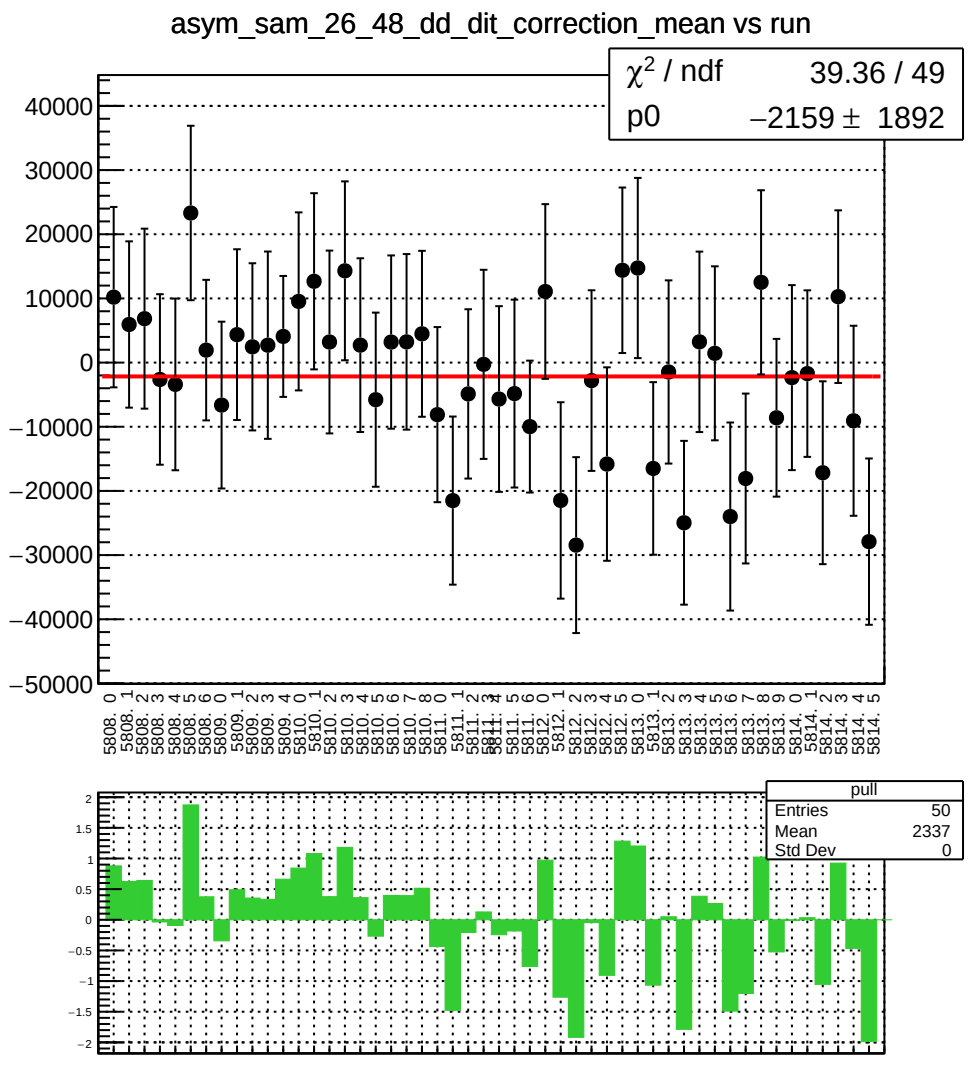
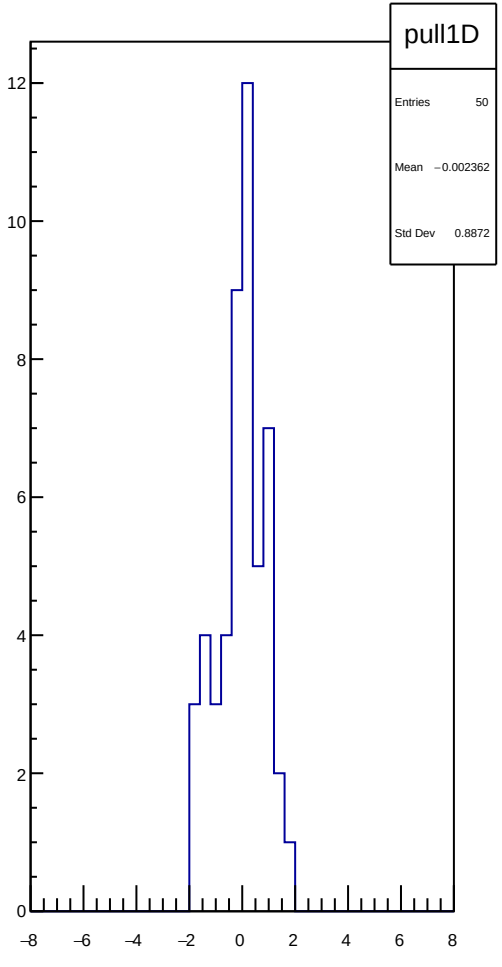
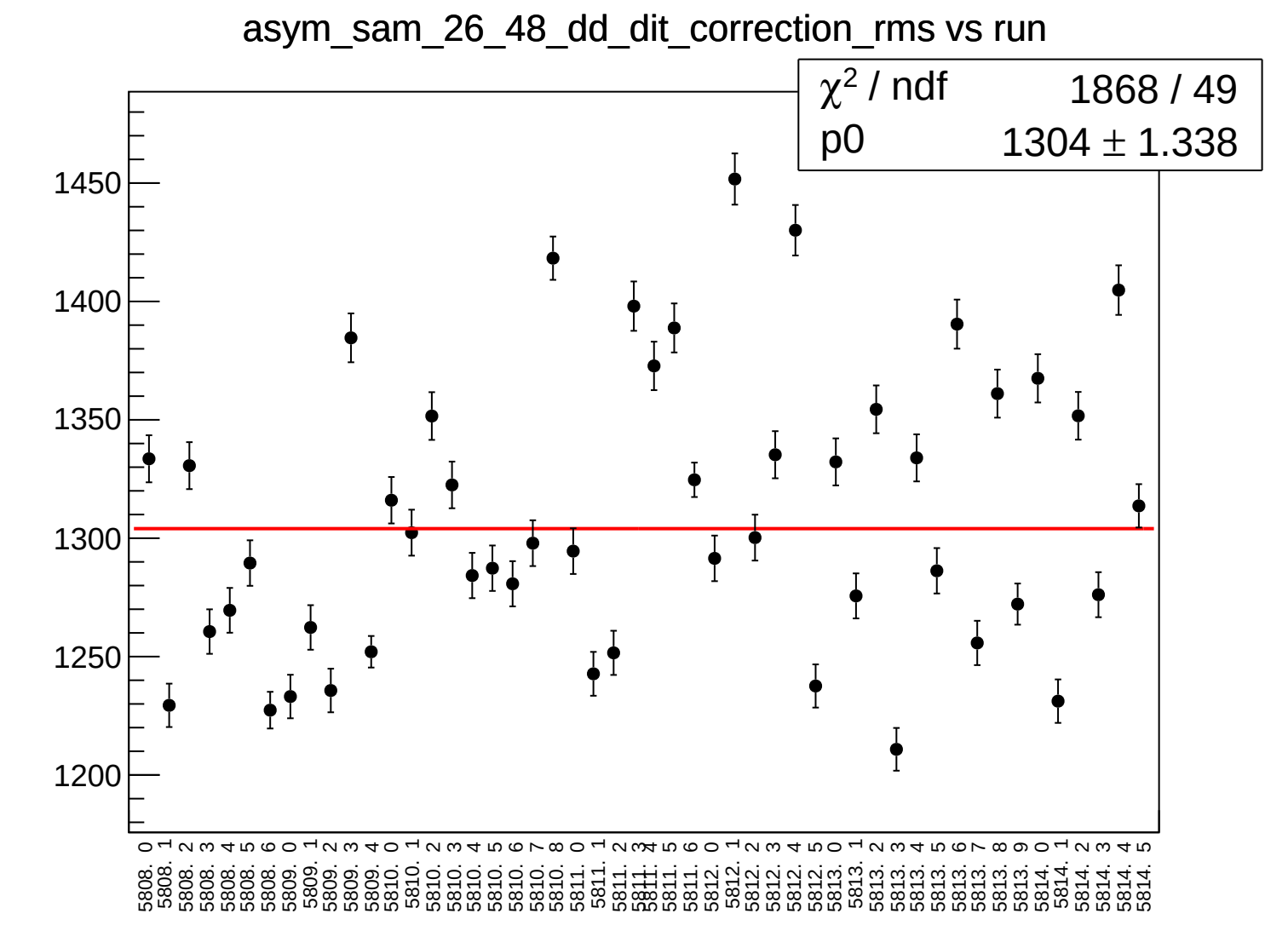
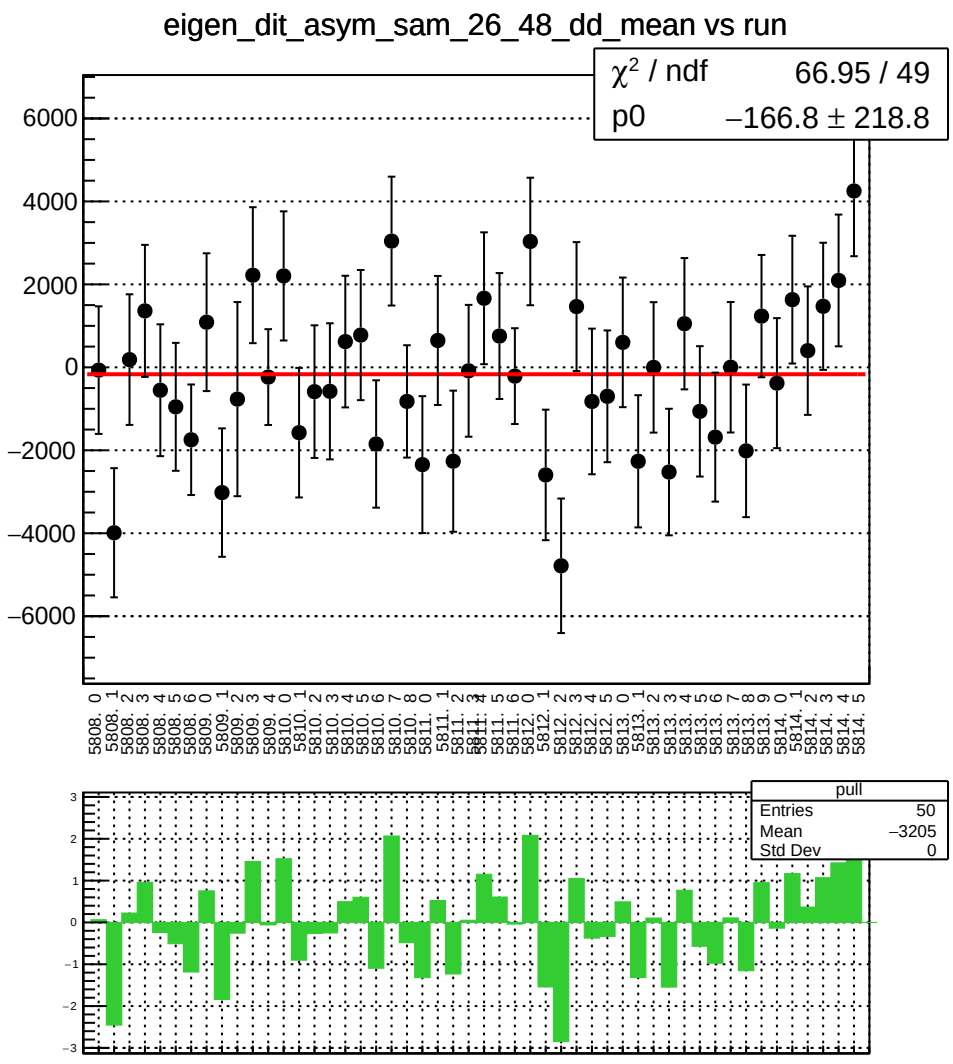

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 66.95 / 49
p0 −166.8 ± 218.8
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −3203
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.0009945
Std Dev 1.157
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

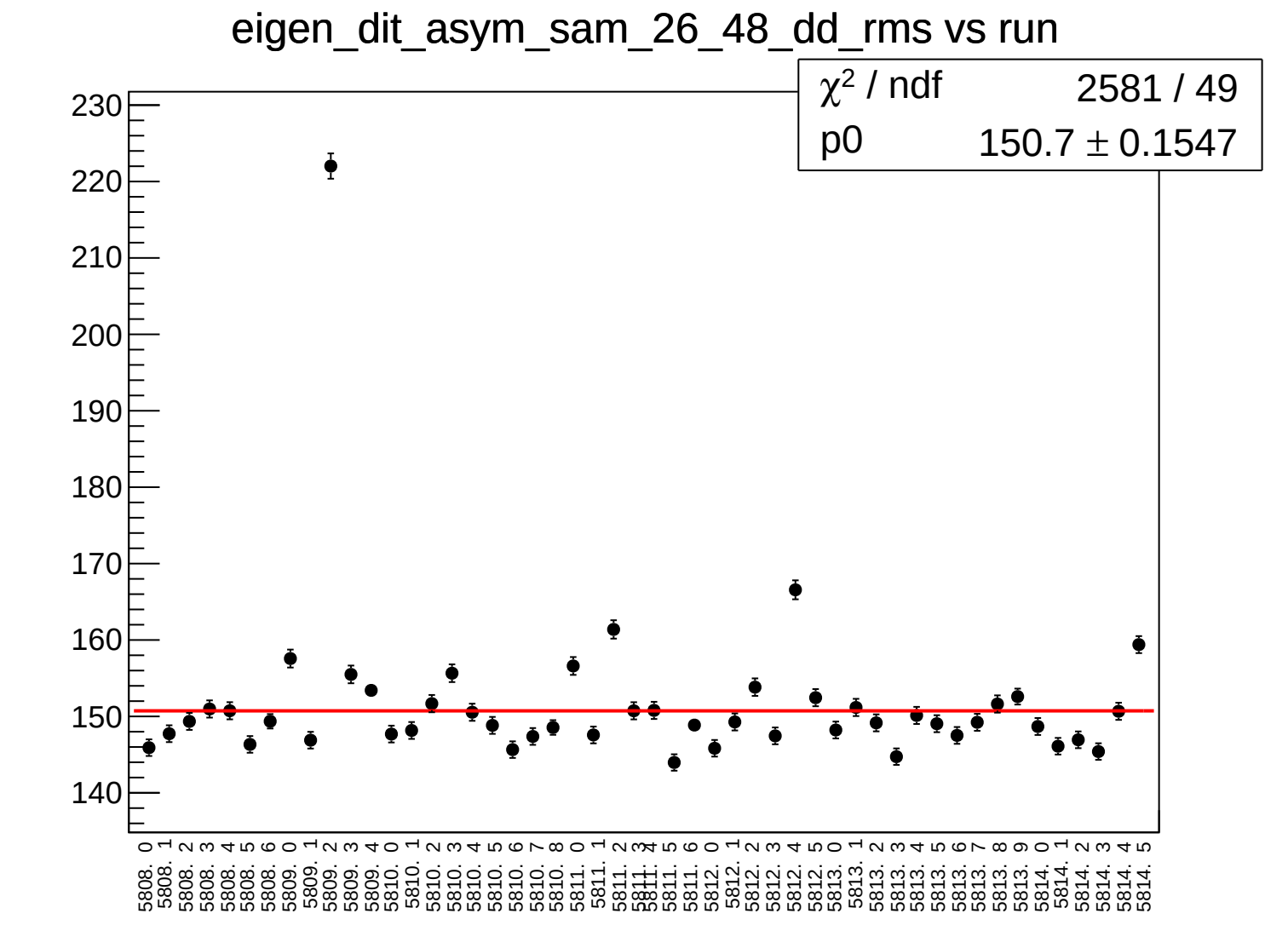

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 2581 / 49
p0 150.7 ± 0.1547
230
220
210
200
190
180
170
160
150
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

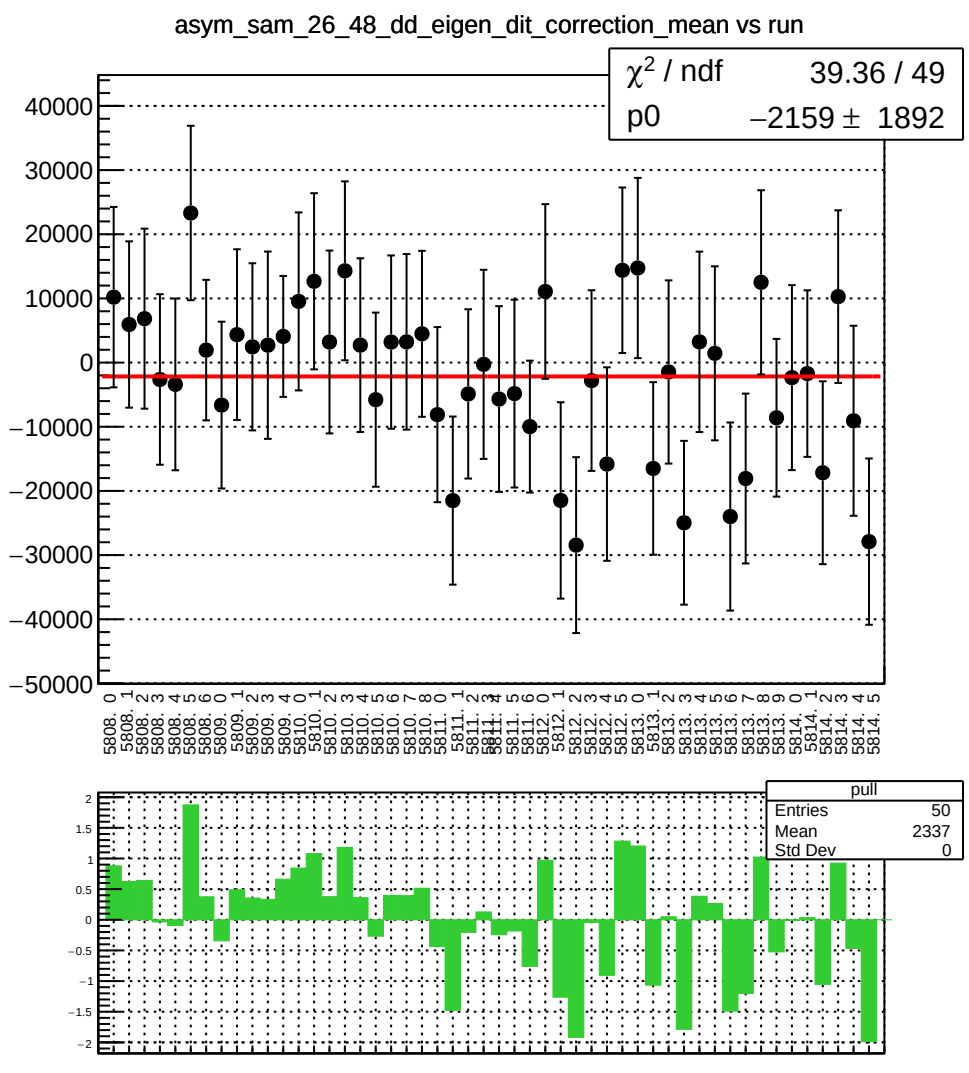

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 39.36 / 49
p0 −2159 ± 1892
pull
Entries 50
Mean 2337
Std Dev 0

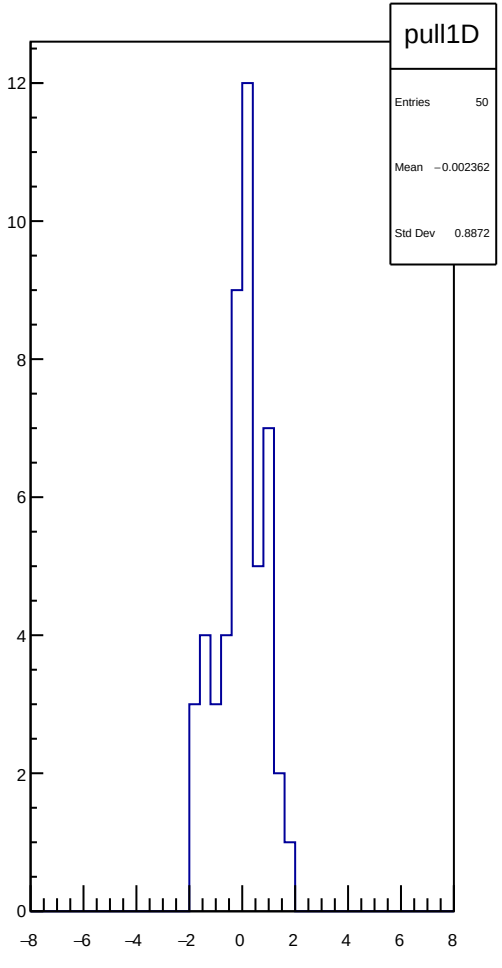

pull1D
Entries 50
Mean −0.002362
Std Dev 0.8872

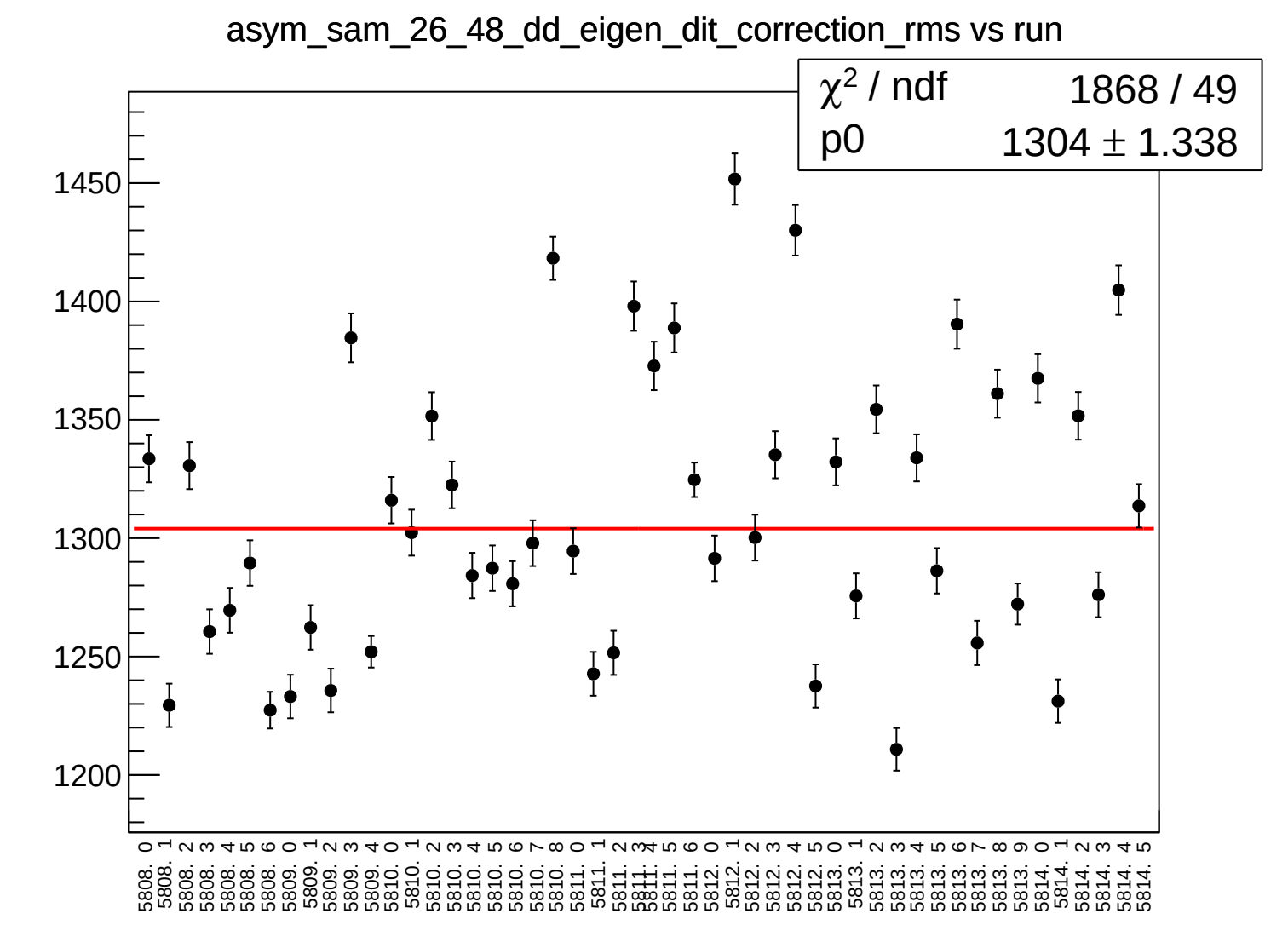

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1868 / 49
p0 1304 ± 1.338
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

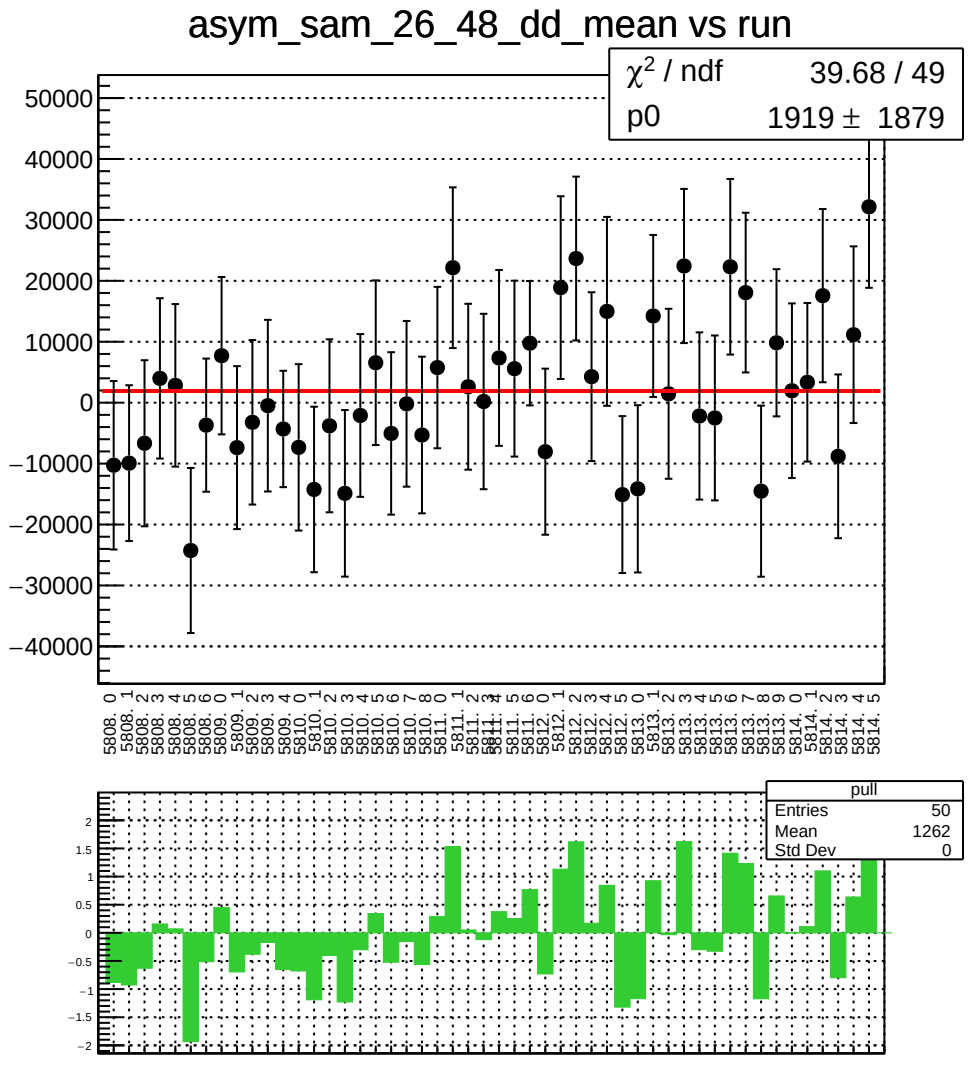

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 66.95 / 49
p0 −166.8 ± 218.8
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −3205
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.000994
Std Dev 1.157
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

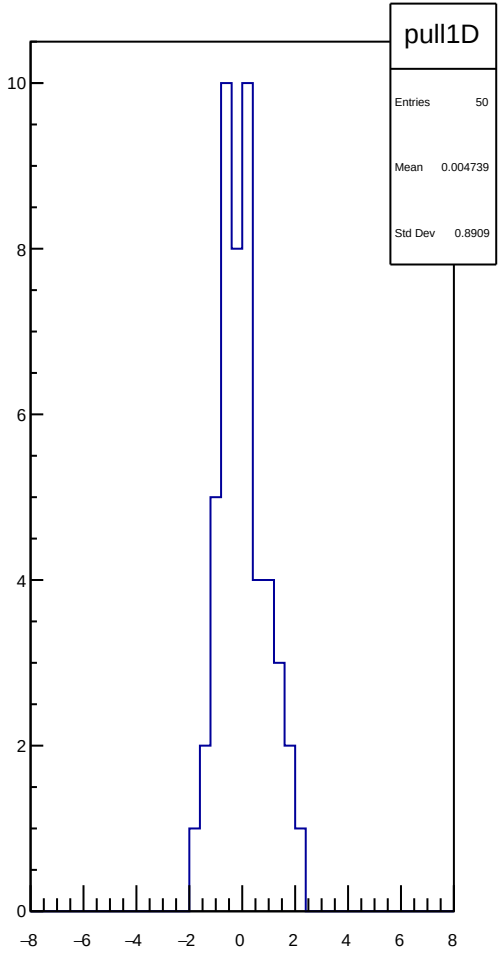

eigen_dit_asym_sam_26_48_dd_rms vs run
χ^2 / ndf 2581 / 49
p0 150.7 ± 0.1547
230
220
210
200
190
180
170
160
150
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

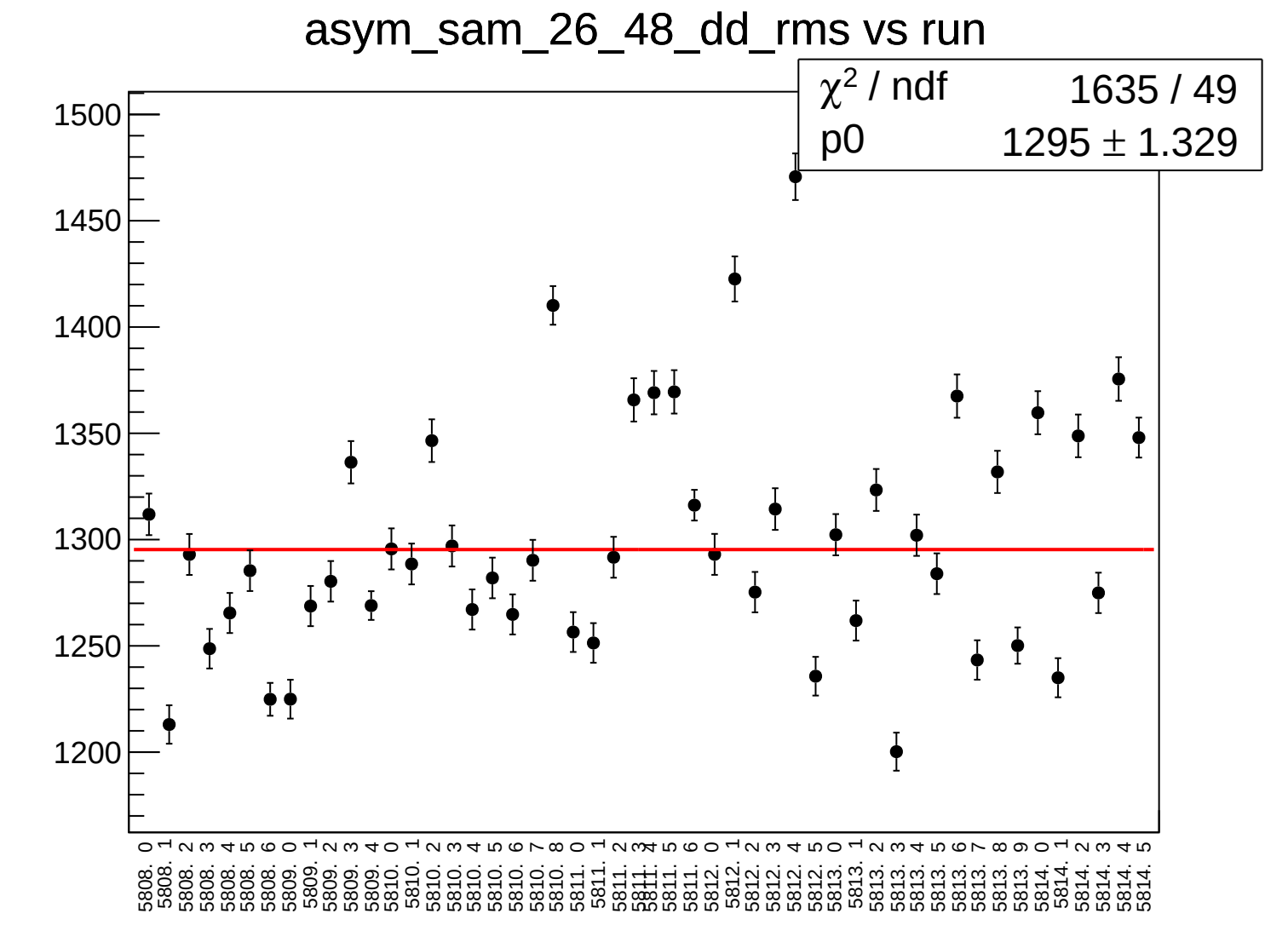

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.36 / 49
p0 −2159 ± 1892
pull
Entries 50
Mean 2337
Std Dev 0

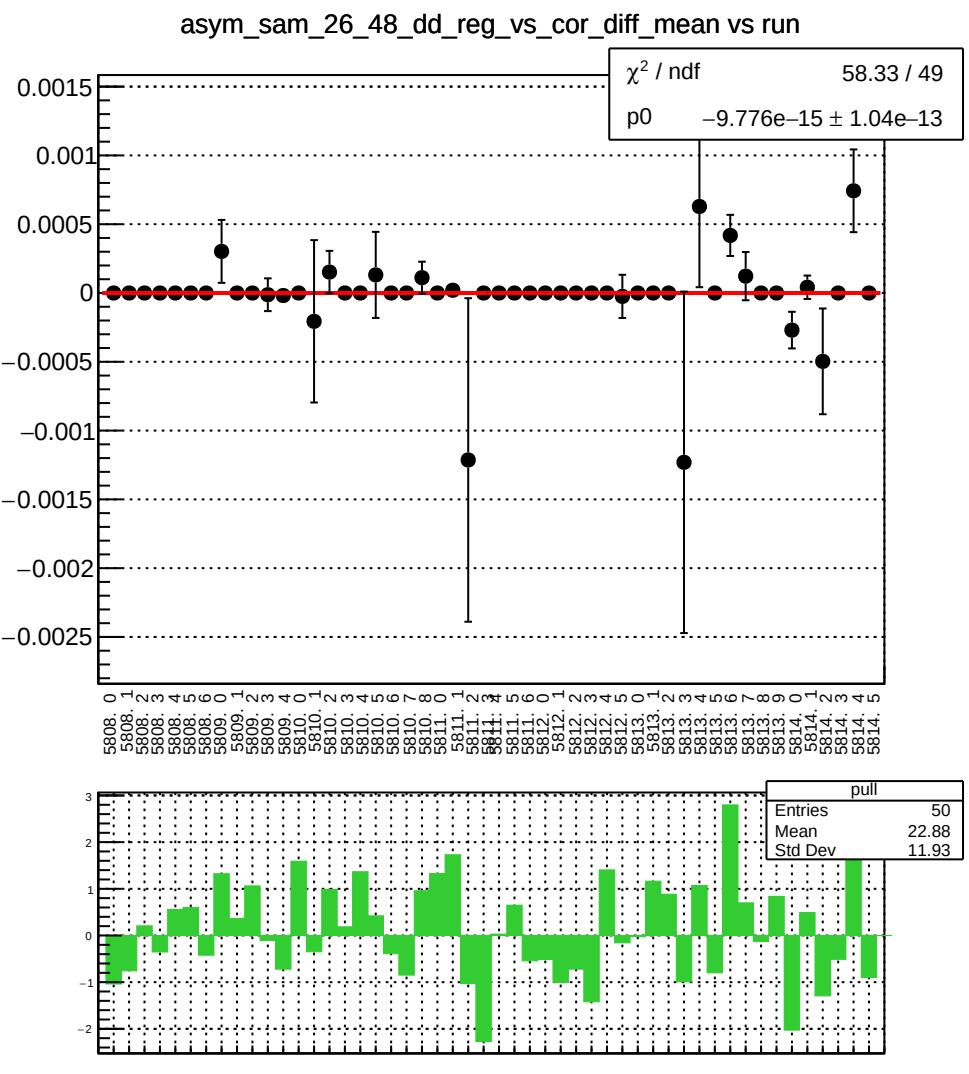

pull1D
Entries 50
Mean −0.002362
Std Dev 0.8872

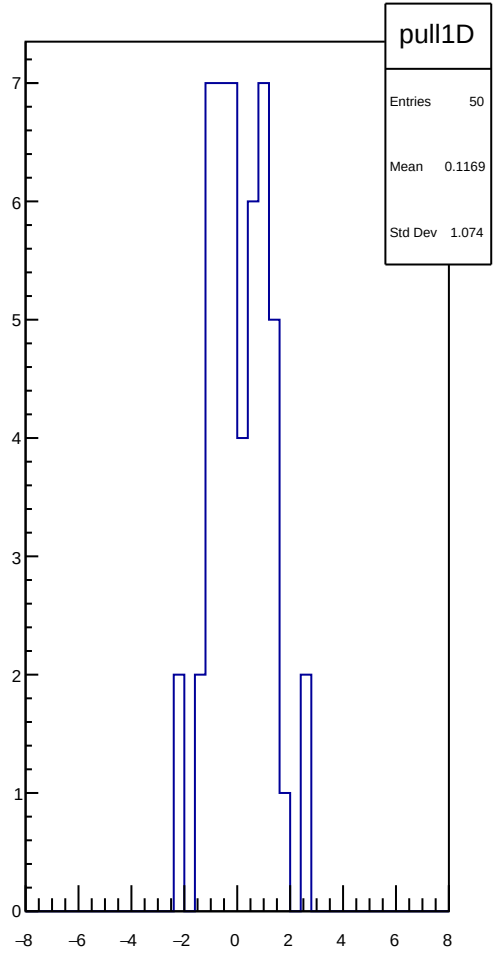

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1868 / 49
p0 1304 ± 1.338
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

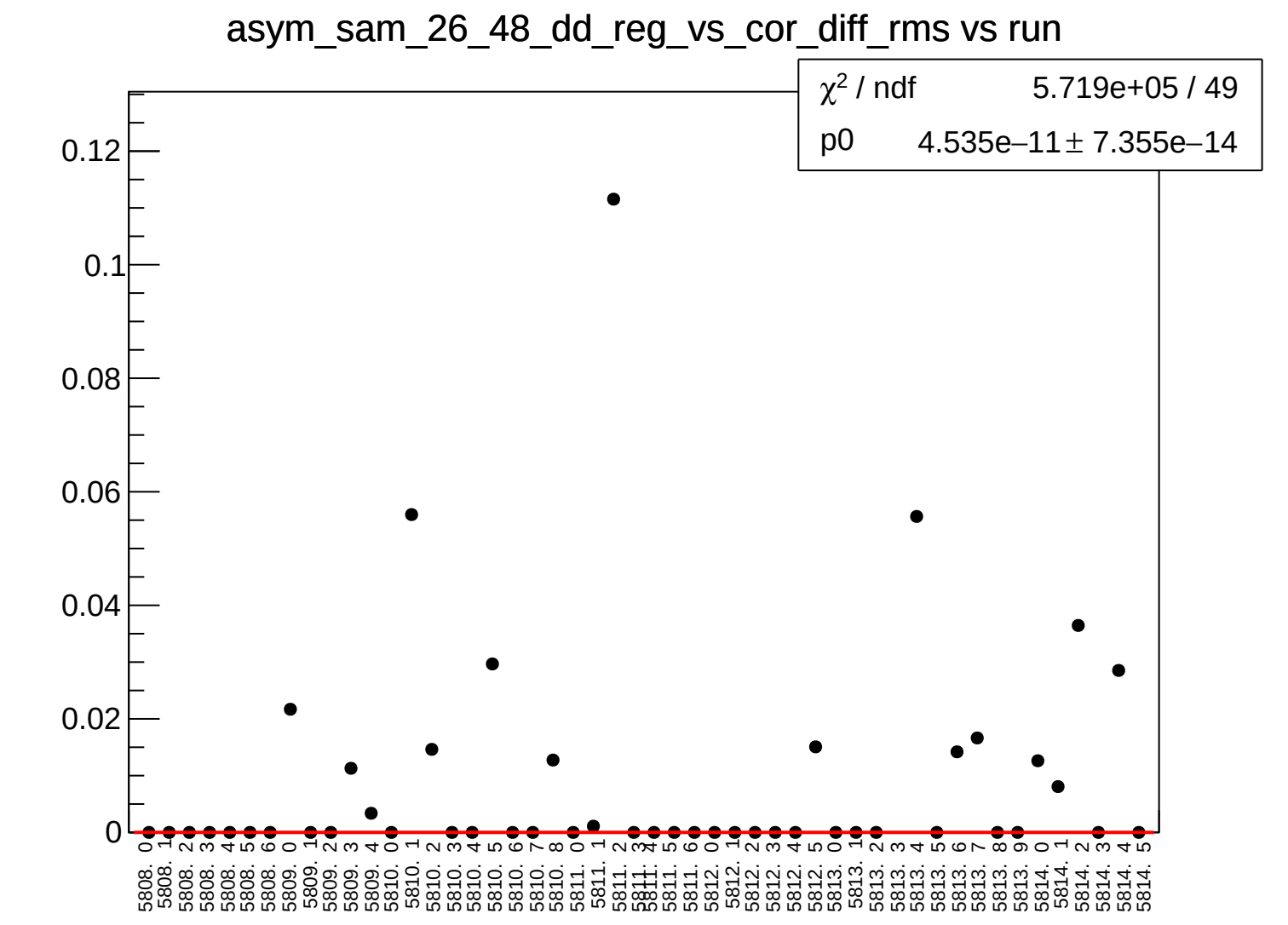

asym_sam_26_48_dd_mean vs run
χ² / ndf 39.68 / 49
p0 1919 ± 1879
pull
Entries 50
Mean 1262
Std Dev 0

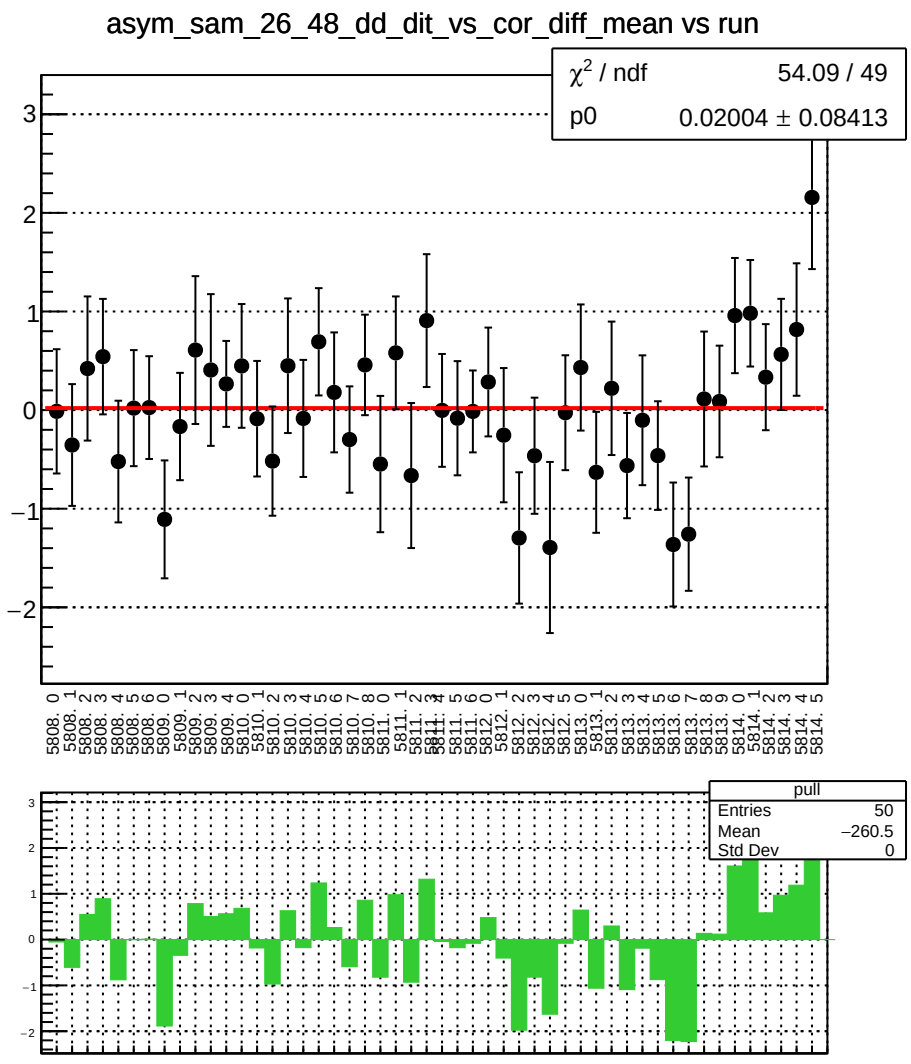

pull1D
Entries 50
Mean 0.004739
Std Dev 0.8909

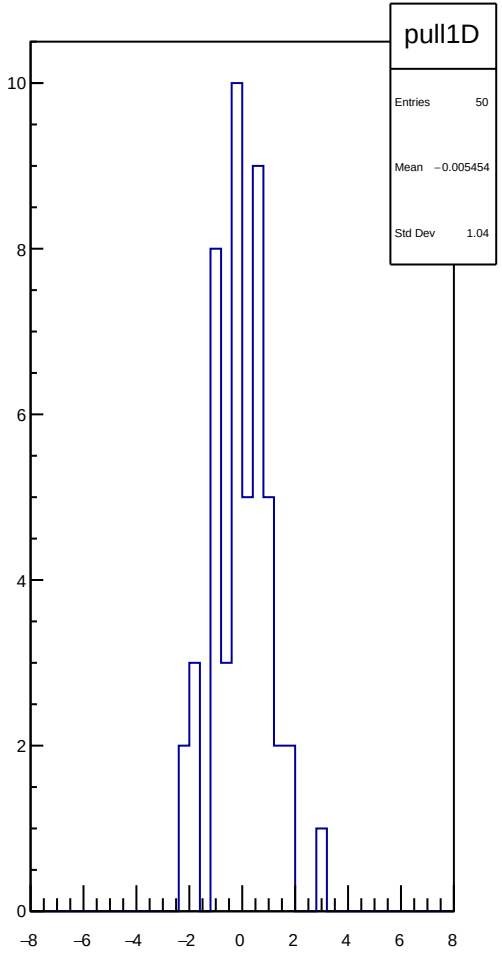

asym_sam_26_48_dd_rms vs run
χ² / ndf 1635 / 49
p0 1295 ± 1.329
1500
1450
1400
1350
1300
1250
1200
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

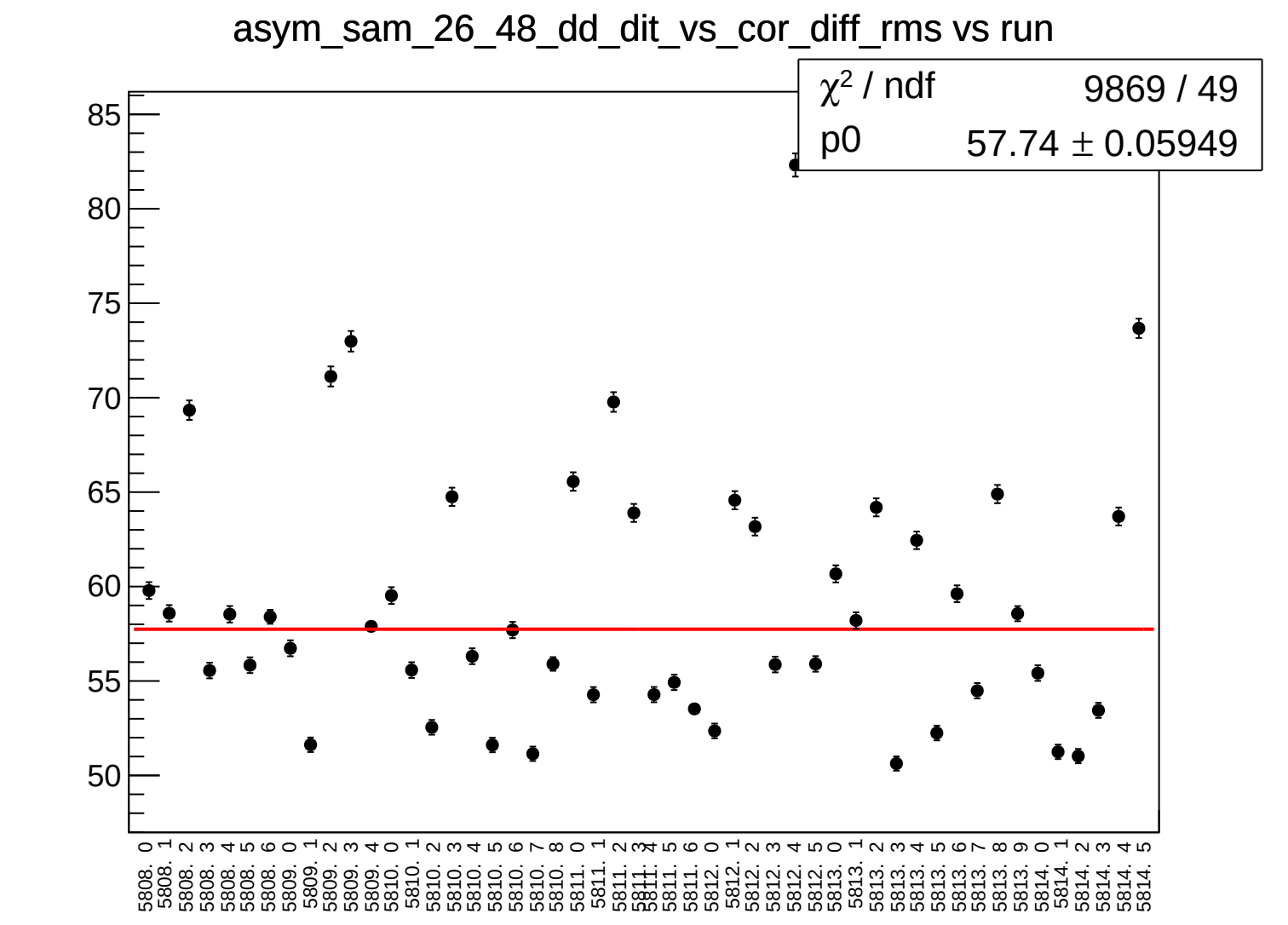

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 58.33 / 49
p0 −9.776e−15 ± 1.04e−13
pull
Entries 50
Mean 22.88
Std Dev 11.93

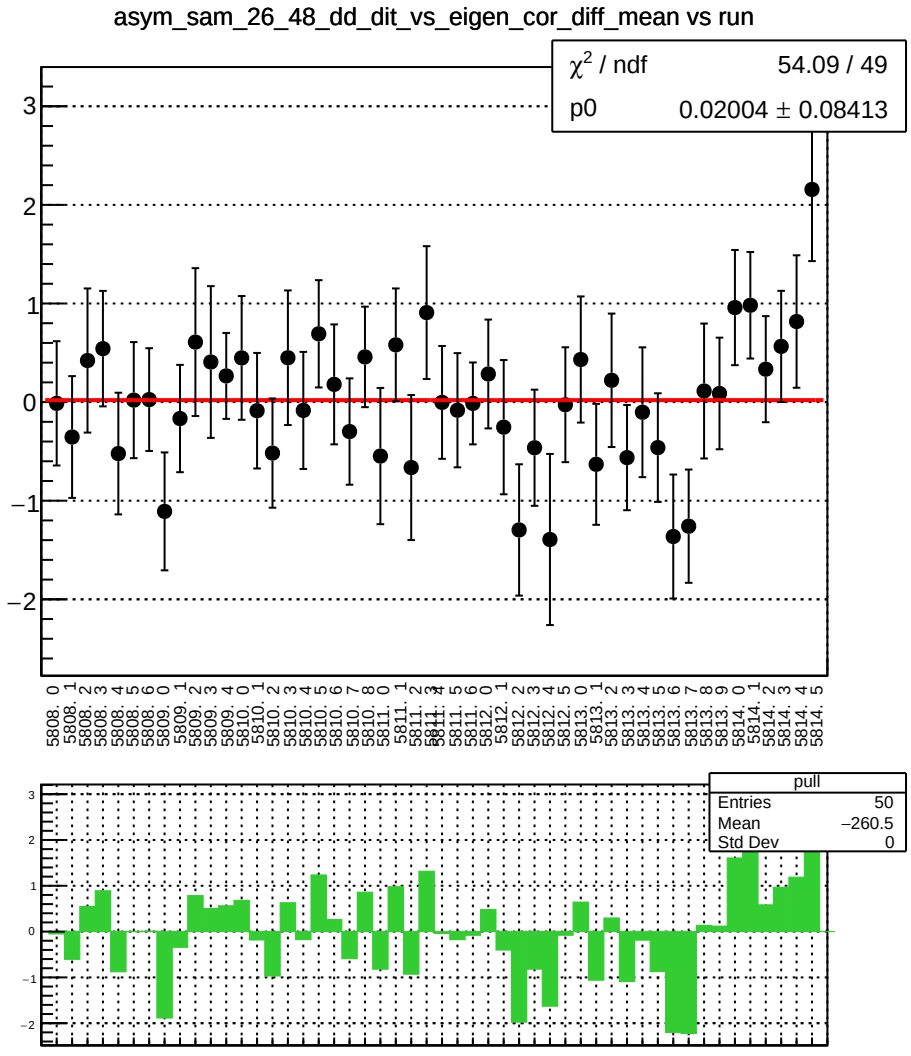

pull1D
Entries 50
Mean 0.1169
Std Dev 1.074

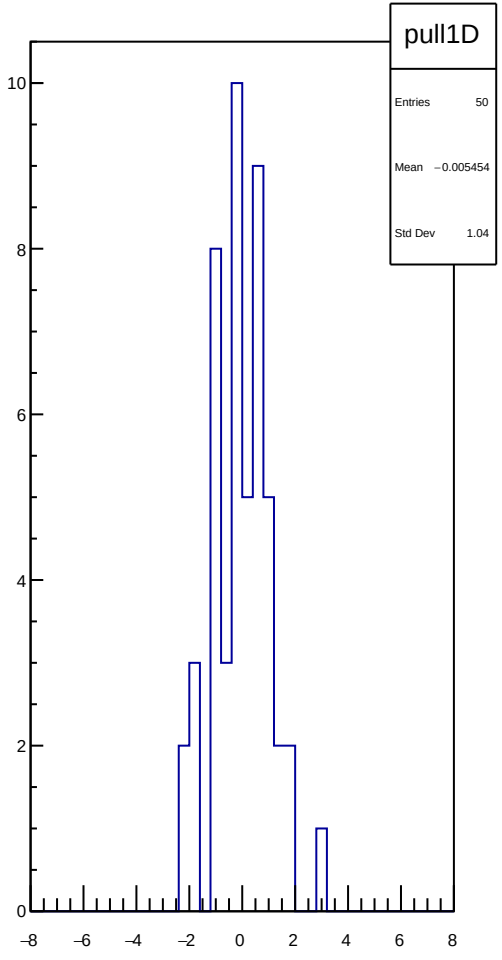

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.719e+05 / 49
p0 4.535e−11 ± 7.355e−14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

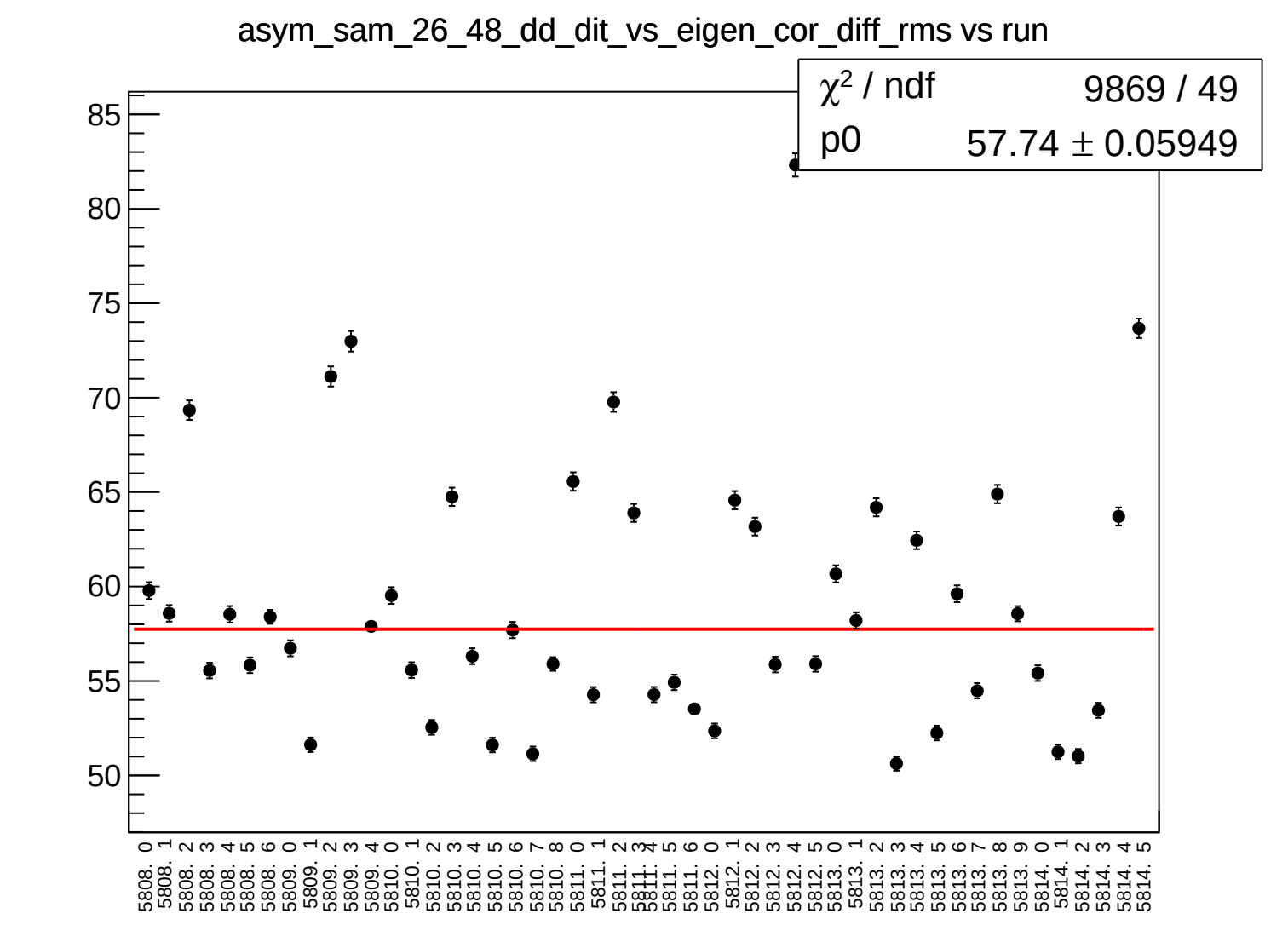

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 54.09 / 49
p0 0.02004 ± 0.08413
pull
Entries 50
Mean −260.5
Std Dev 0

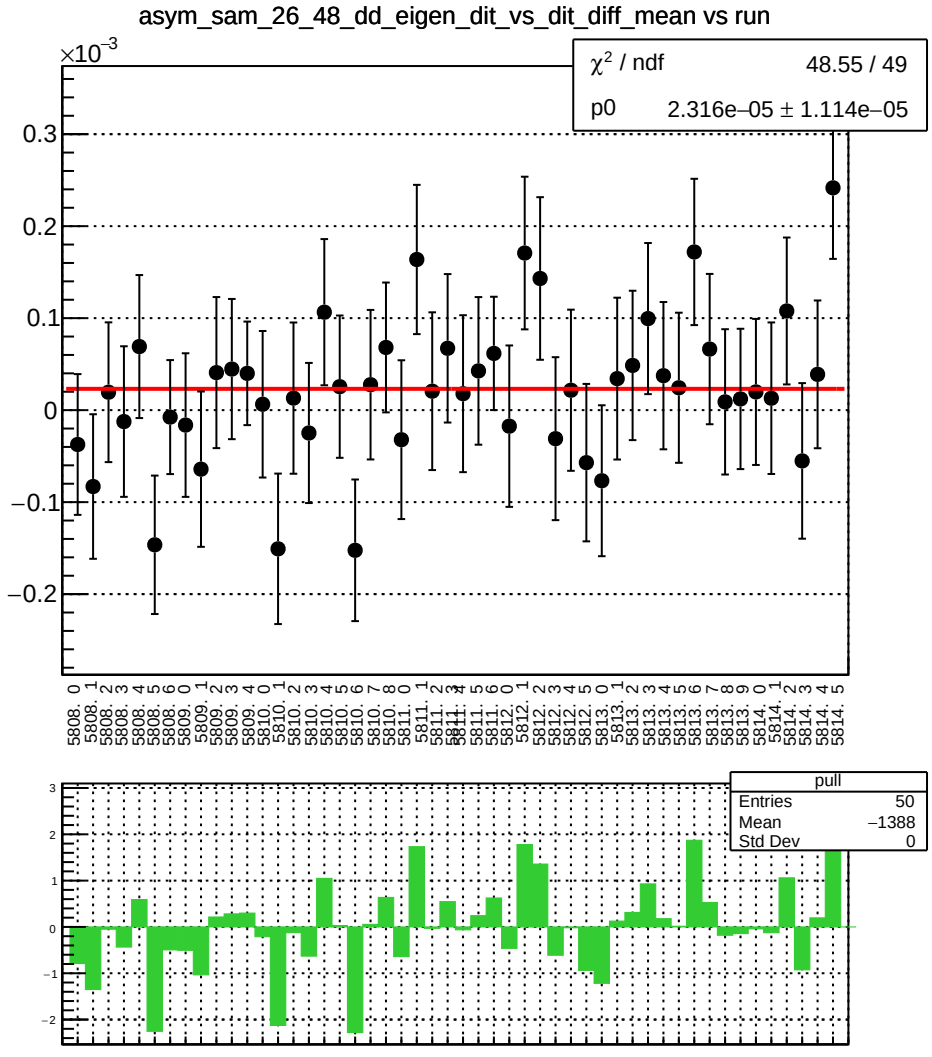

pull1D
Entries 50
Mean −0.005454
Std Dev 1.04

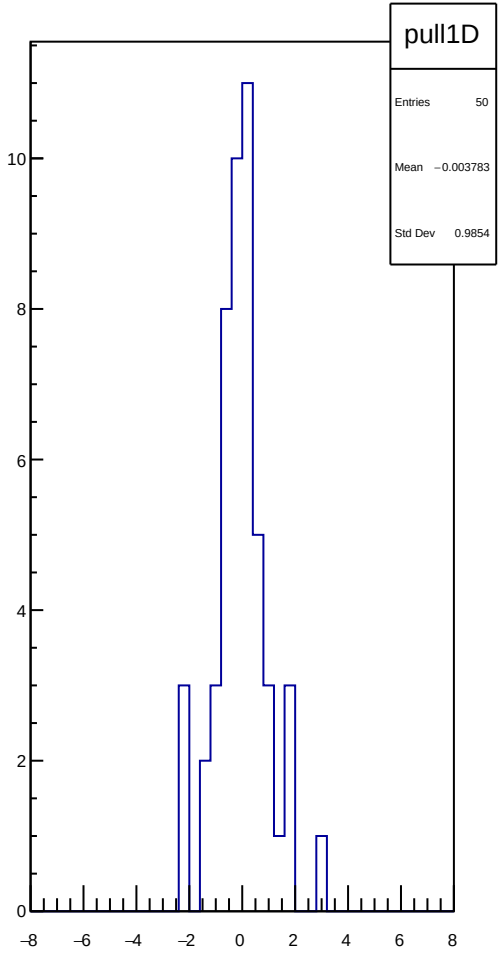

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9869 / 49
p0 57.74 ± 0.05949
85
80
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

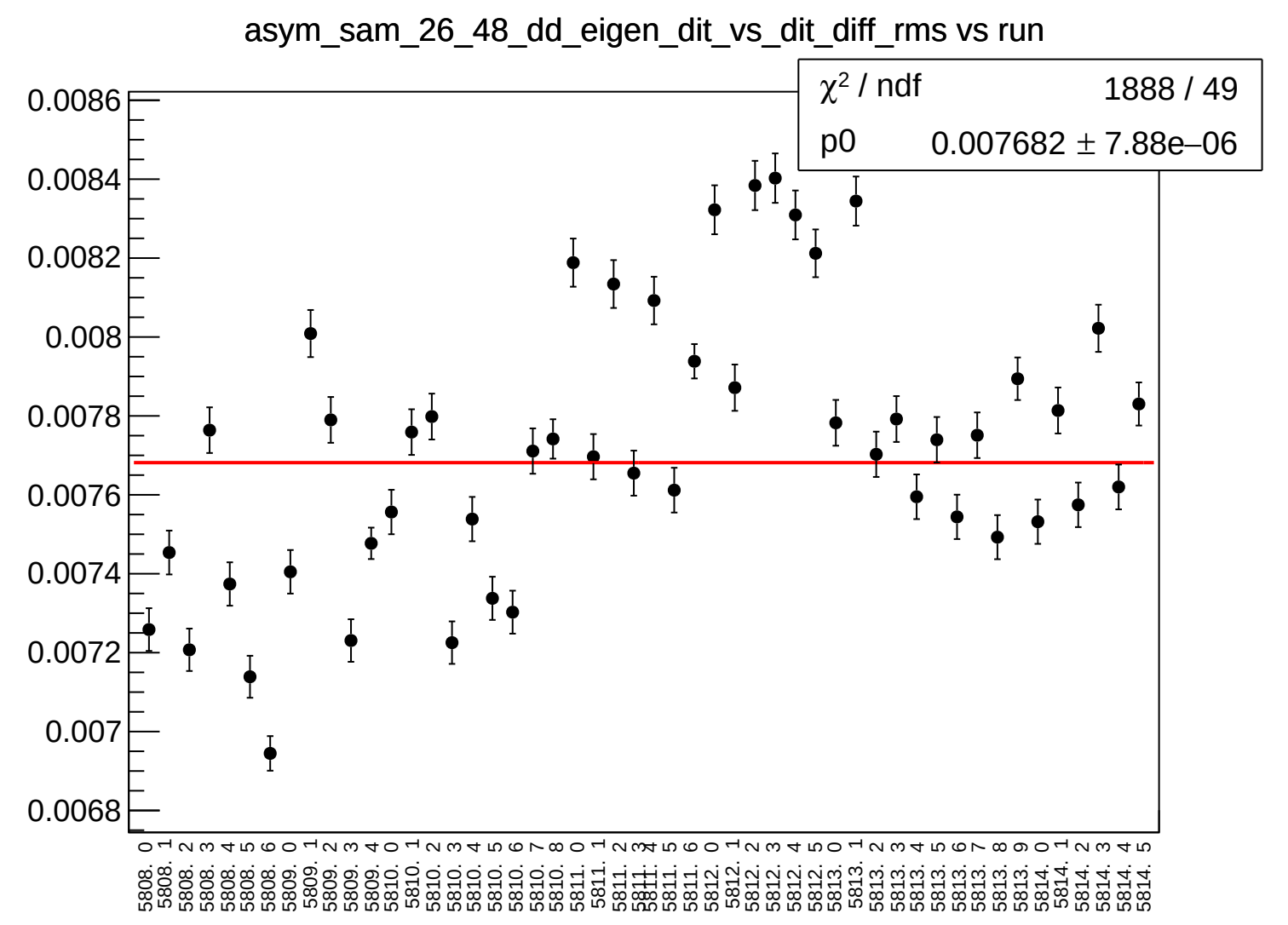

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.09 / 49
p0 0.02004 ± 0.08413
pull
Entries 50
Mean −260.5
Std Dev 0


pull1D
Entries 50
Mean −0.005454
Std Dev 1.04


asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9869 / 49
p0 57.74 ± 0.05949
85
80
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 48.55 / 49
p0 2.316e−05 ± 1.114e−05
0.3
0.2
0.1
0
−0.1
−0.2
pull
Entries 50
Mean −1388
Std Dev 0


pull1D
Entries 50
Mean −0.003783
Std Dev 0.9854
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1888 / 49
p0 0.007682 ± 7.88e–06
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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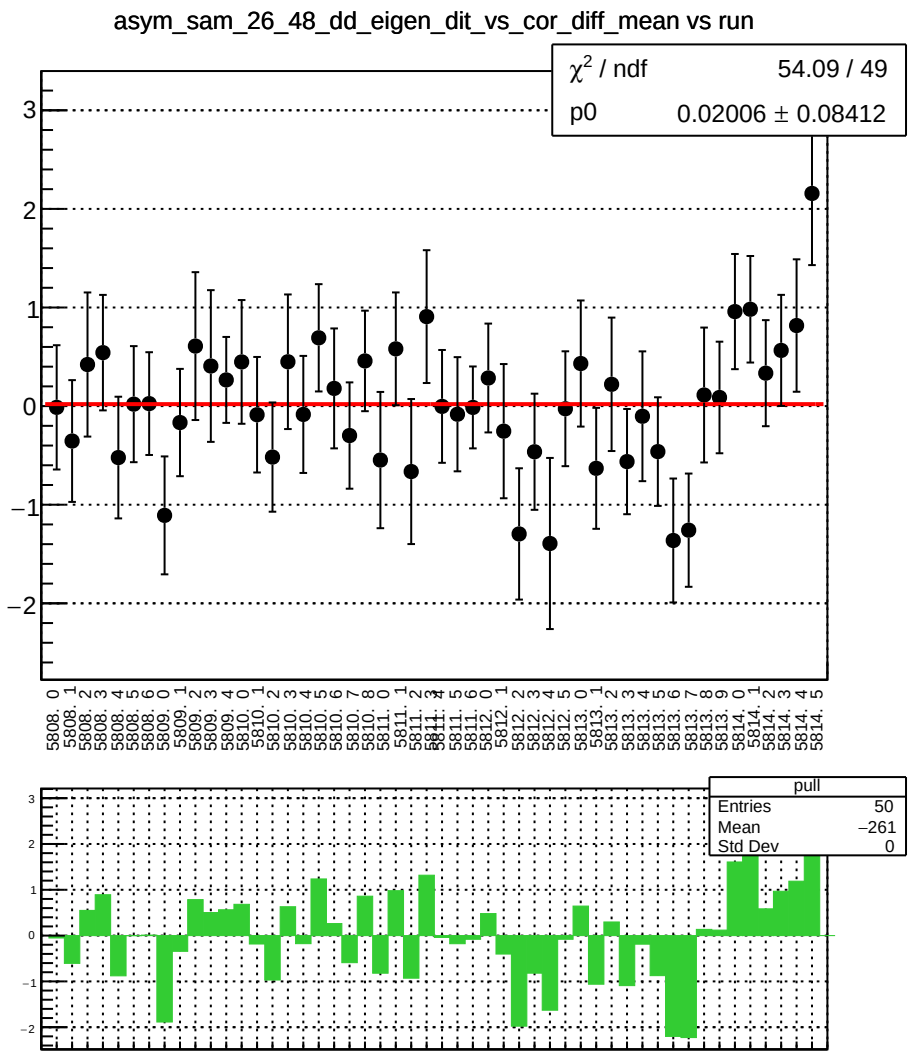
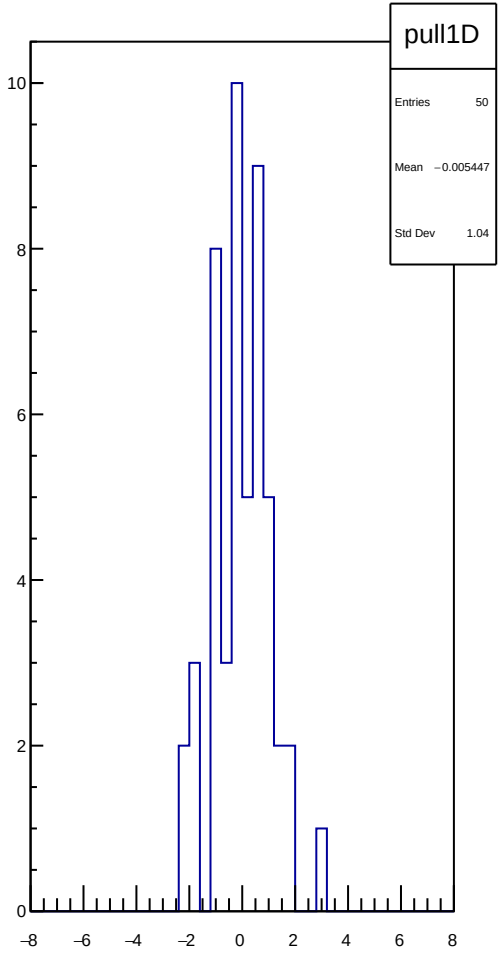
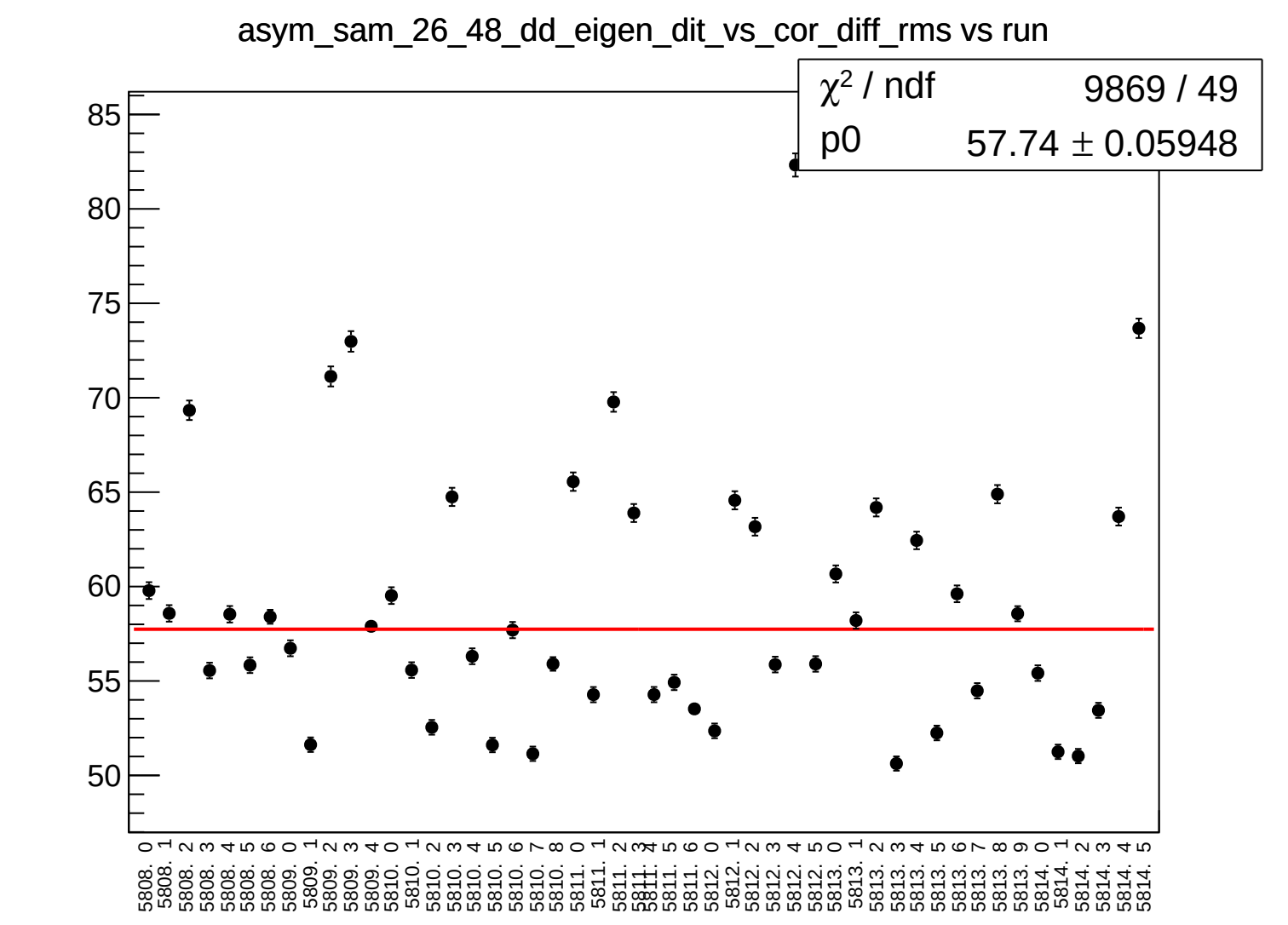
5814. 4
5814. 5


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 54.09 / 49
p0 0.02006 ± 0.08412
pull
Entries 50
Mean −261
Std Dev 0


pull1D
Entries 50
Mean −0.005447
Std Dev 1.04


asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9869 / 49
p0 57.74 ± 0.05948
85
80
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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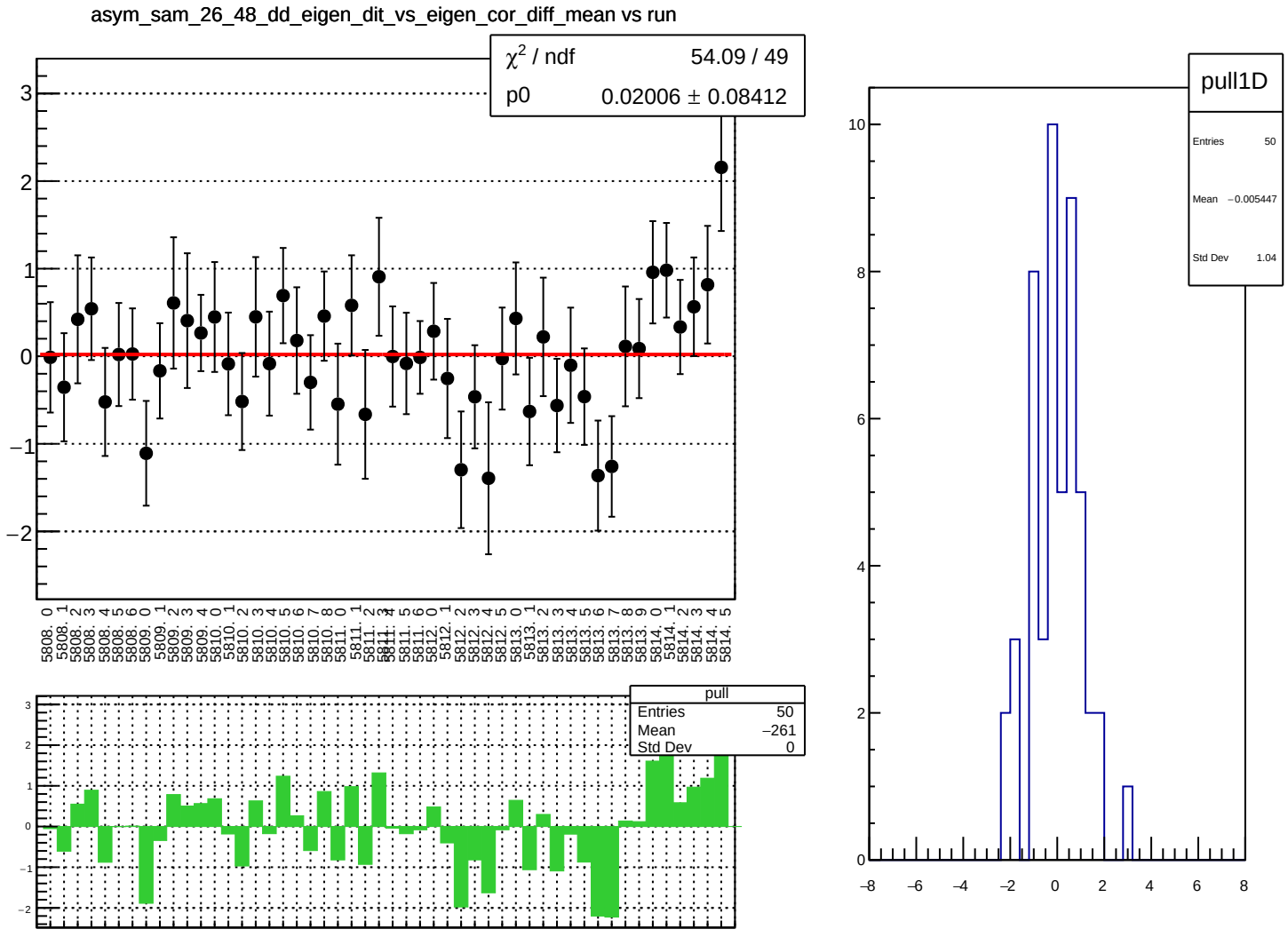
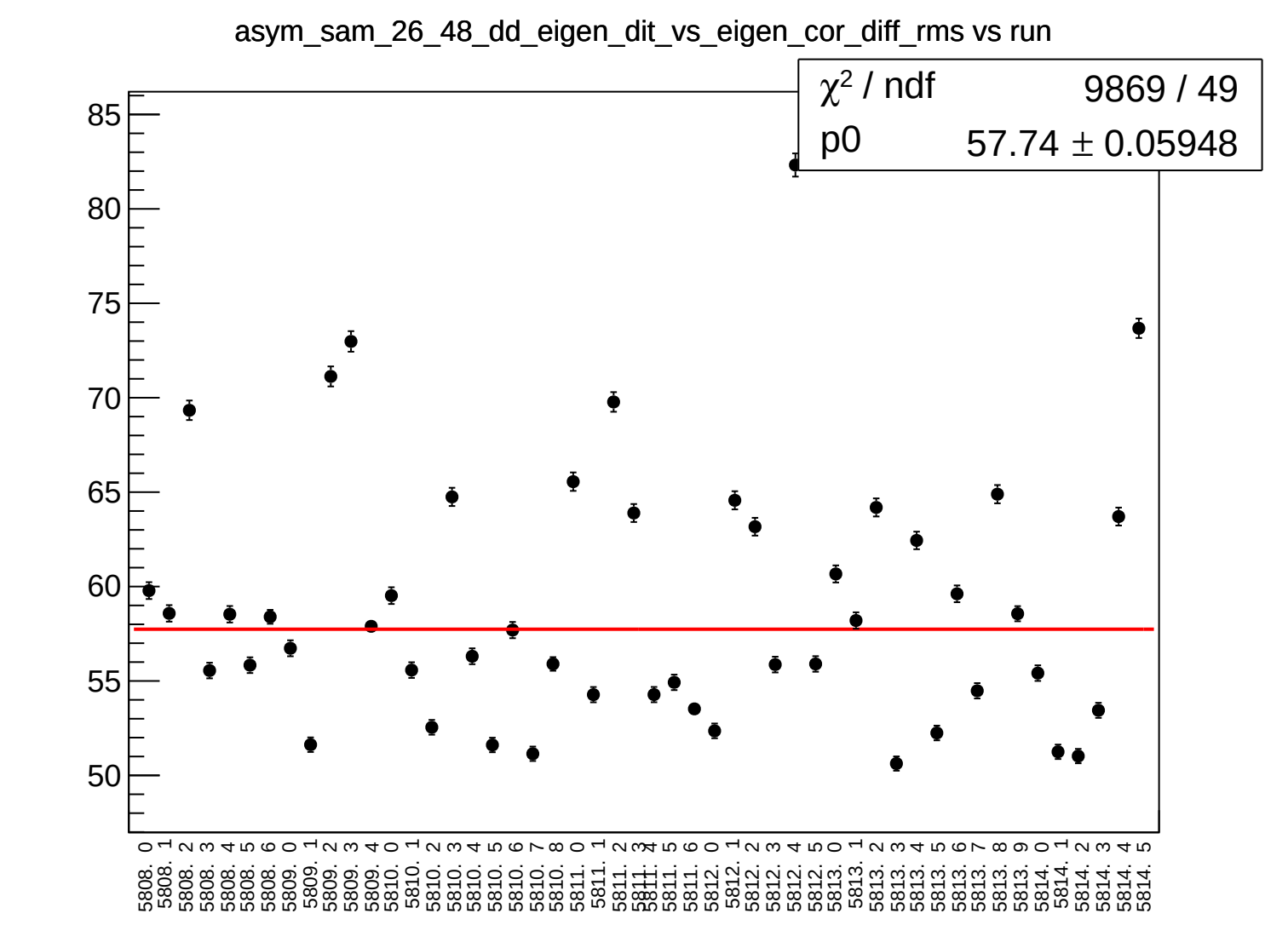
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.09 / 49
p0 0.02006 ± 0.08412
pull
Entries 50
Mean −261
Std Dev 0
pull1D
Entries 50
Mean −0.005447
Std Dev 1.04


asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9869 / 49
p0 57.74 ± 0.05948
85
80
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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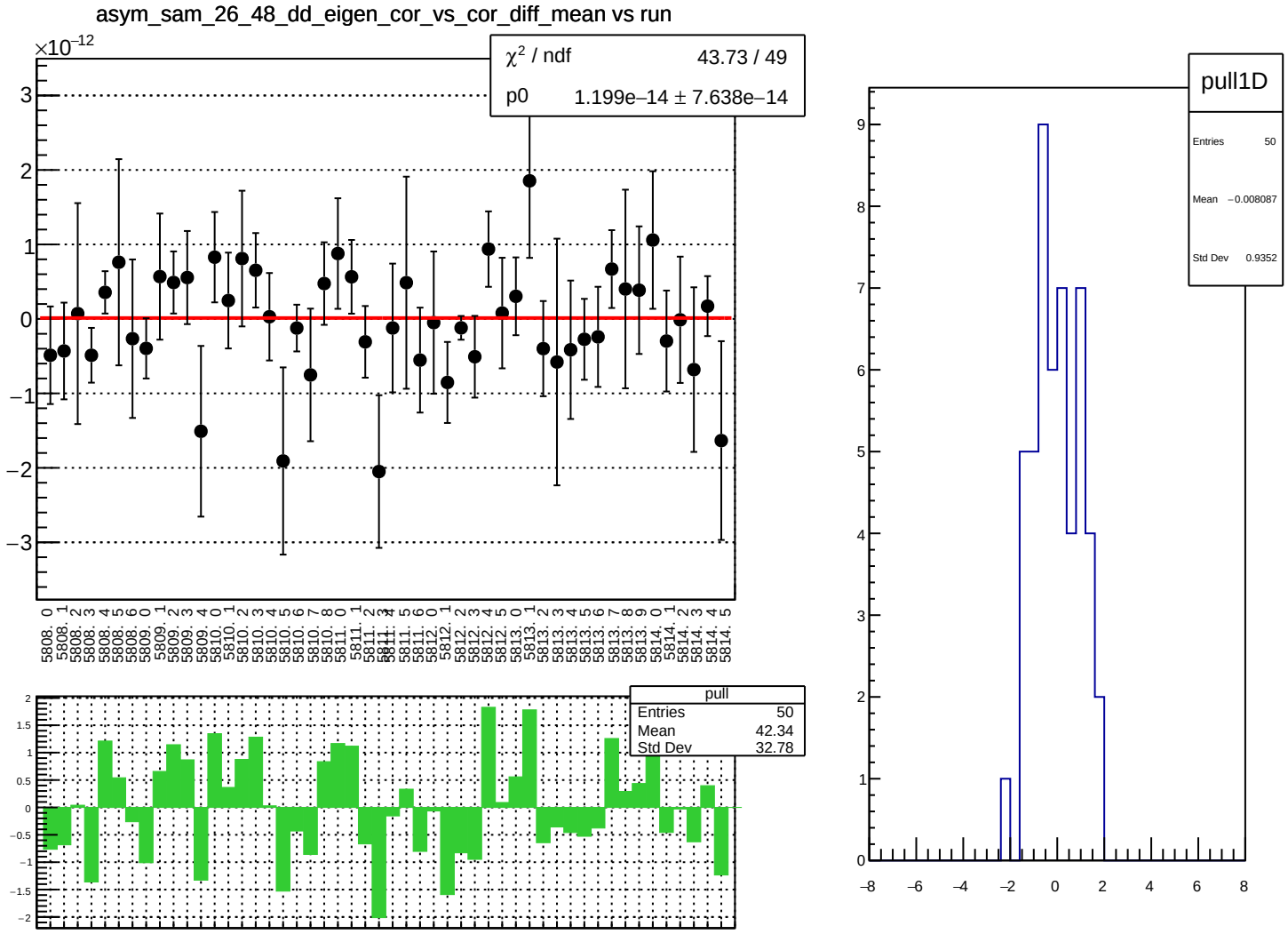
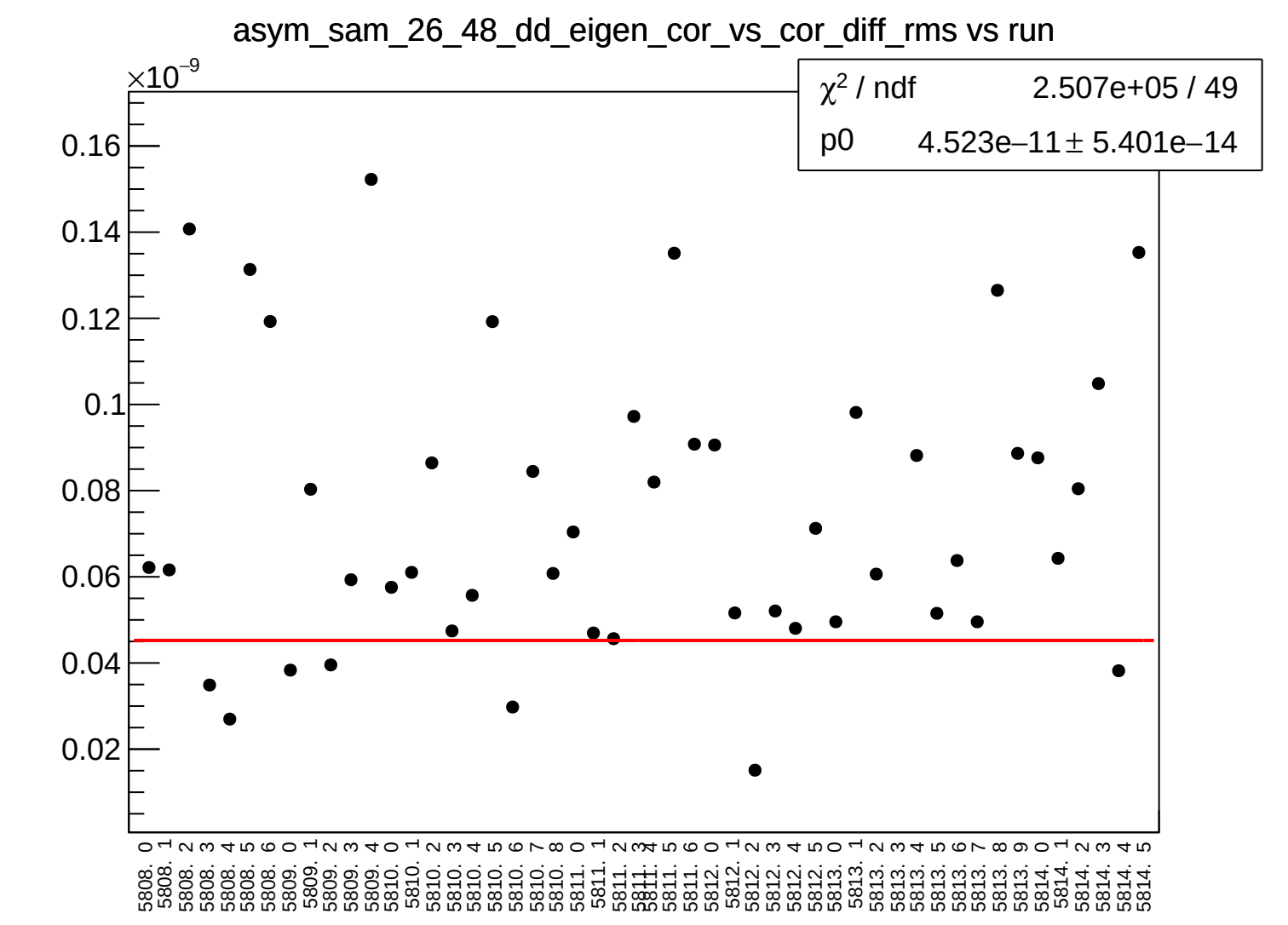
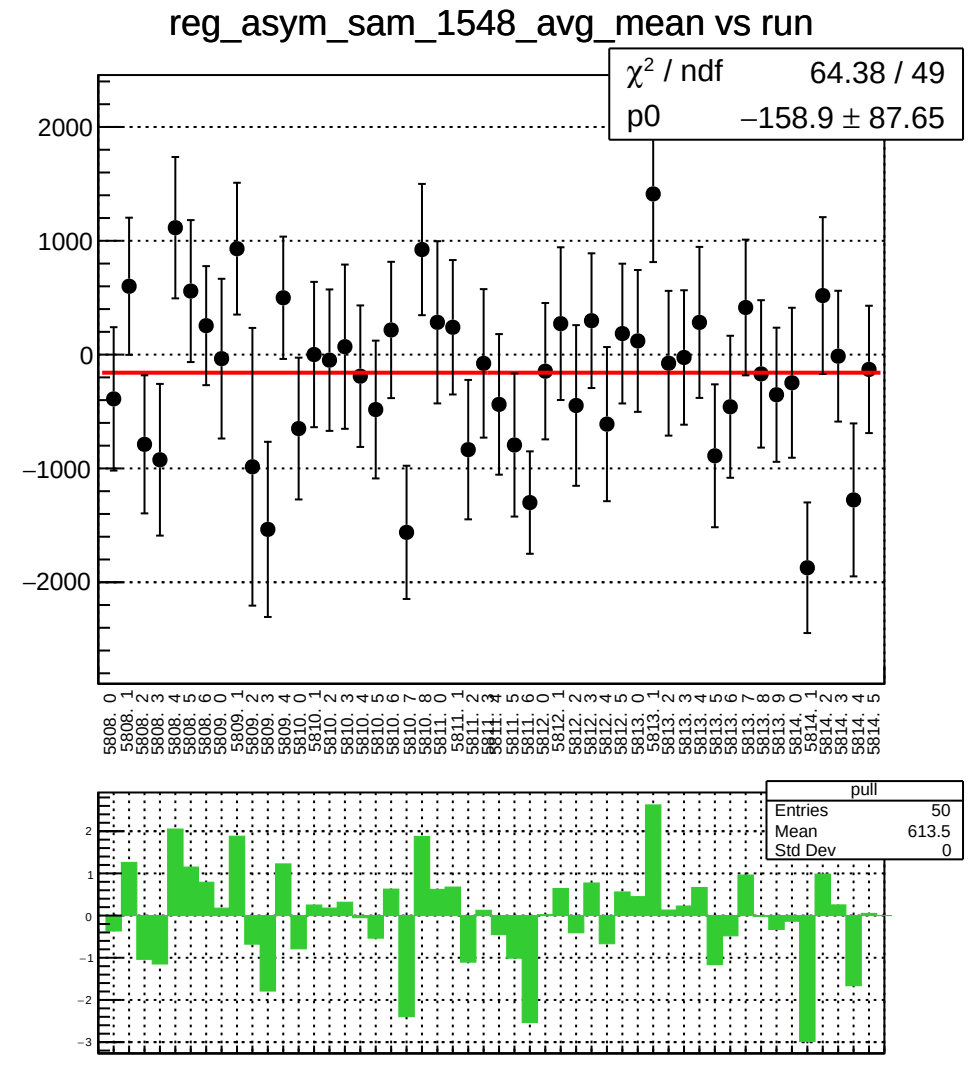
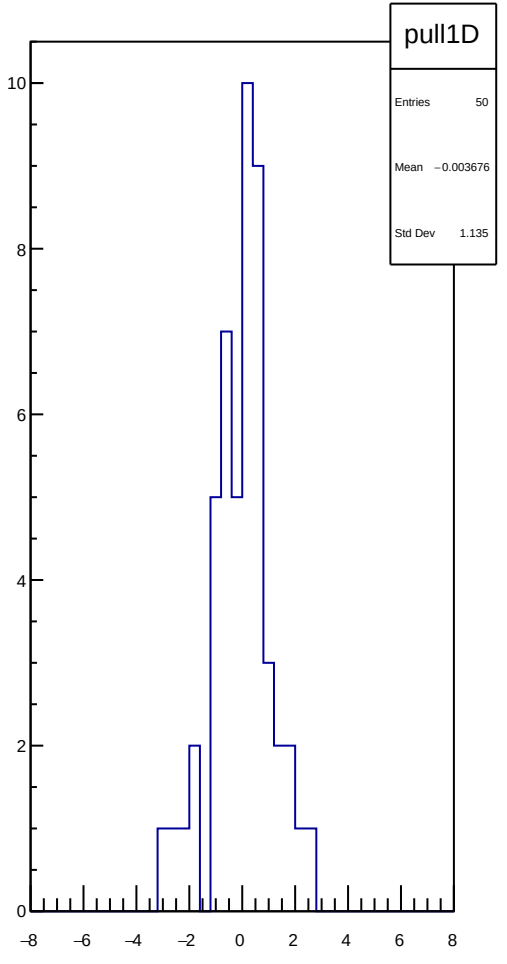
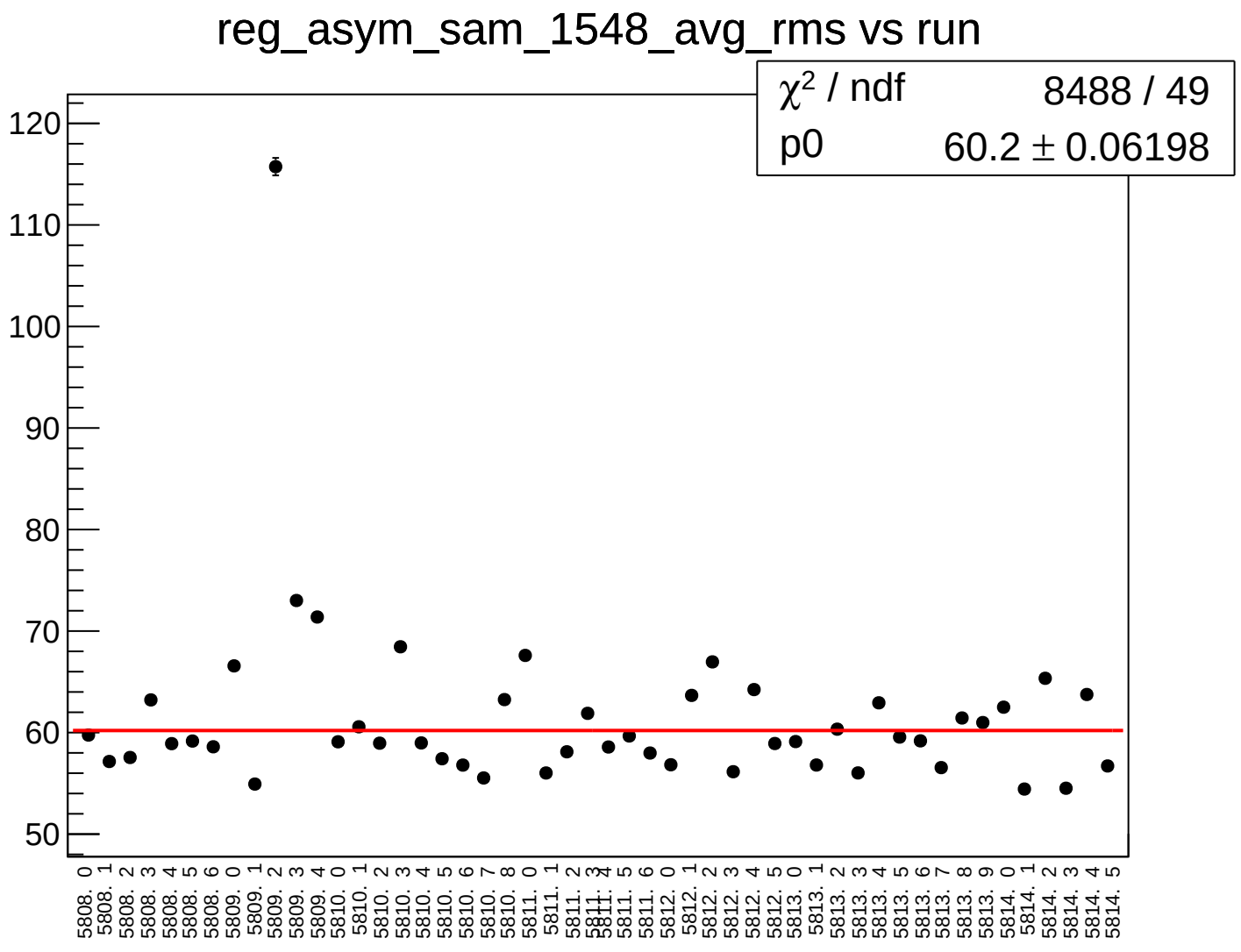
5814. 4
5814. 5

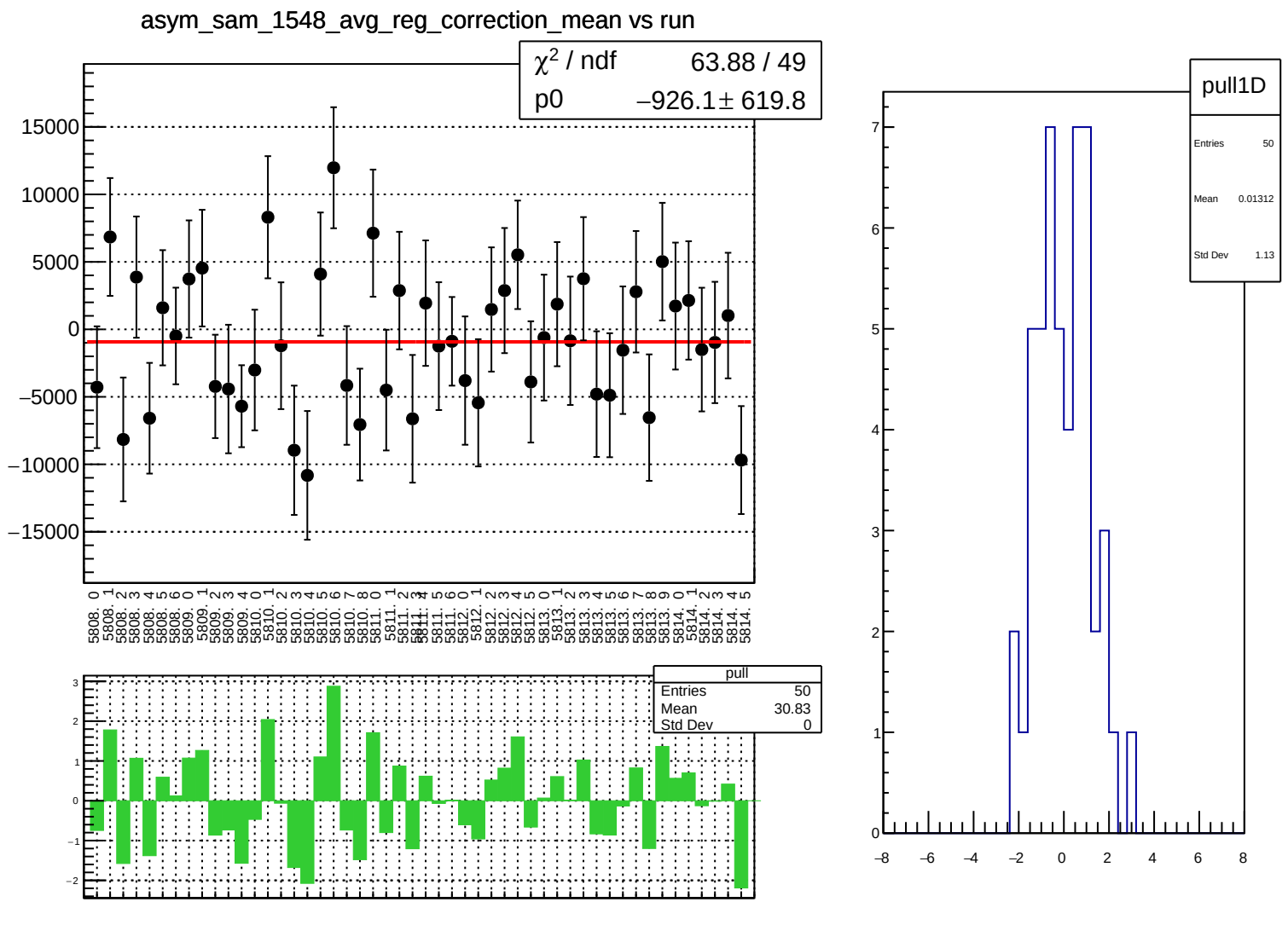

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.73 / 49
p0 1.199e−14 ± 7.638e−14
pull
Entries 50
Mean 42.34
Std Dev 32.78
pull1D
Entries 50
Mean −0.008087
Std Dev 0.9352

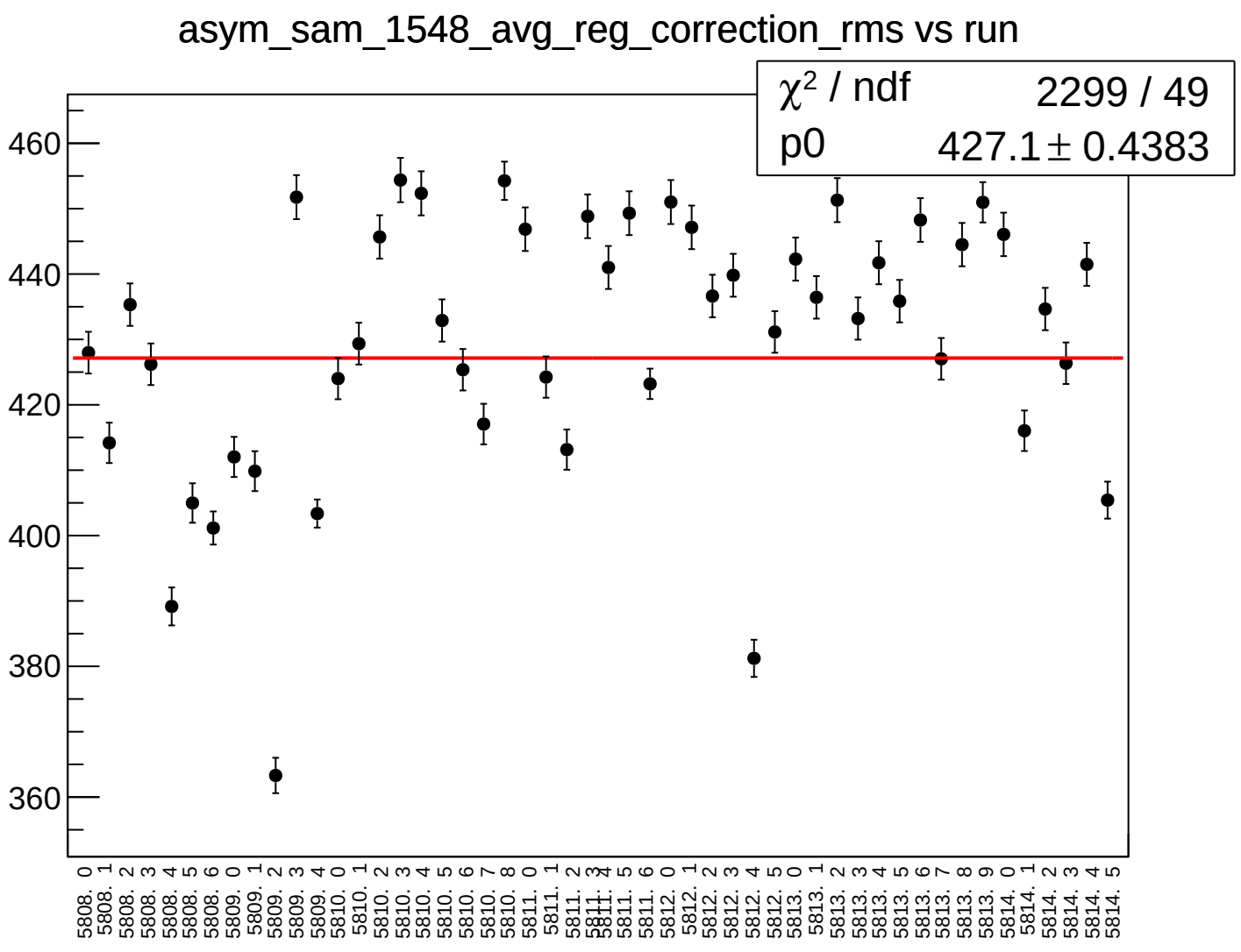

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.507e+05 / 49
p0 4.523e−11 ± 5.401e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

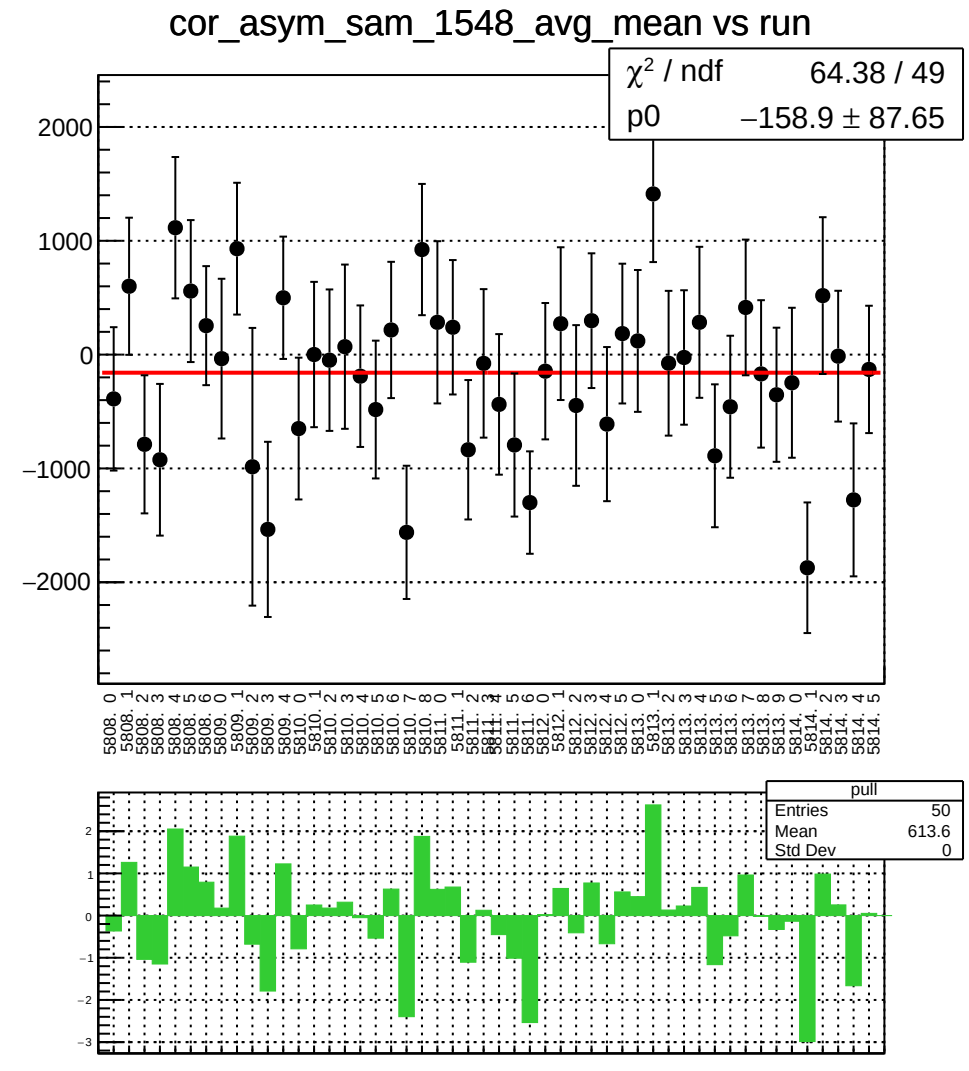

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 64.38 / 49
p0 −158.9 ± 87.65
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 613.5
Std Dev 0

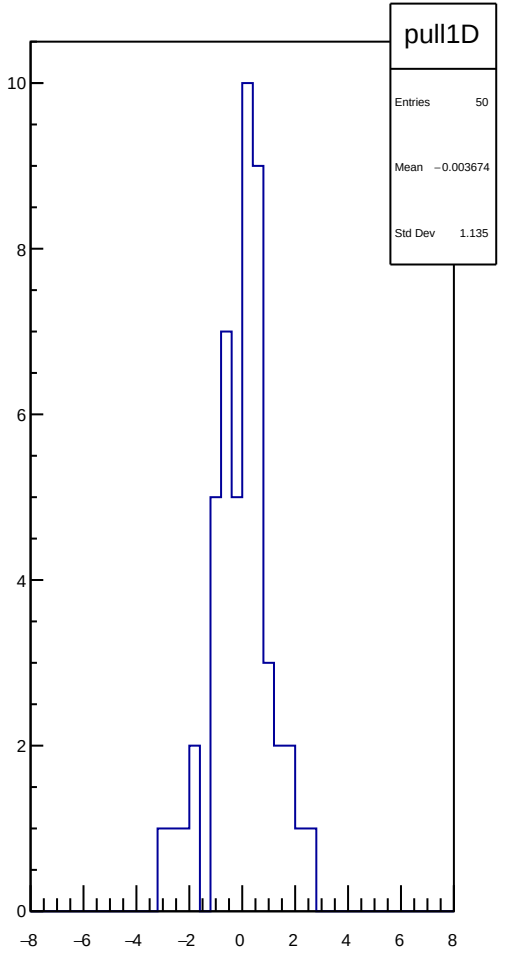

pull1D
Entries 50
Mean −0.003676
Std Dev 1.135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

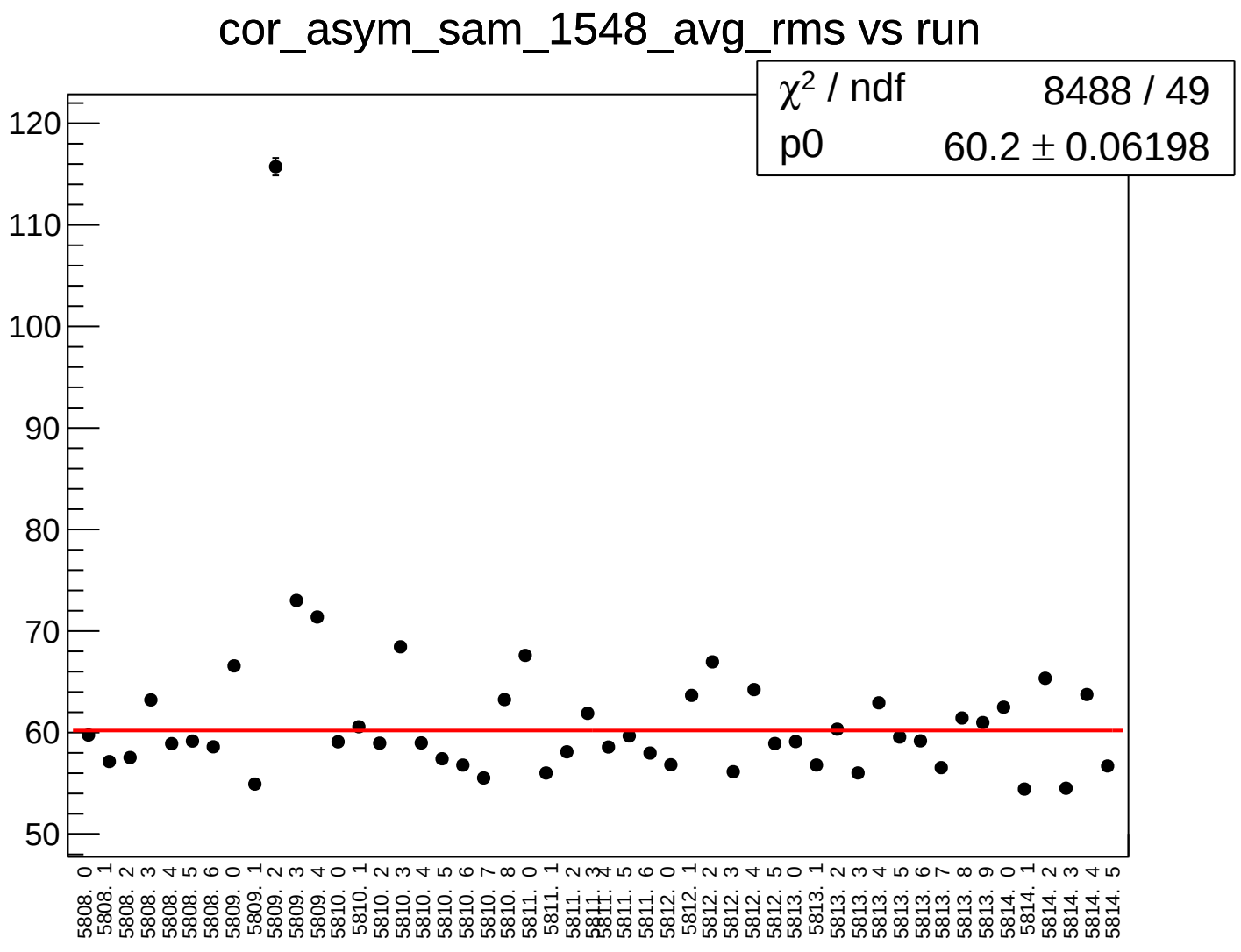

reg_asym_sam_1548_avg_rms vs run
χ² / ndf 8488 / 49
p0 60.2 ± 0.06198
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

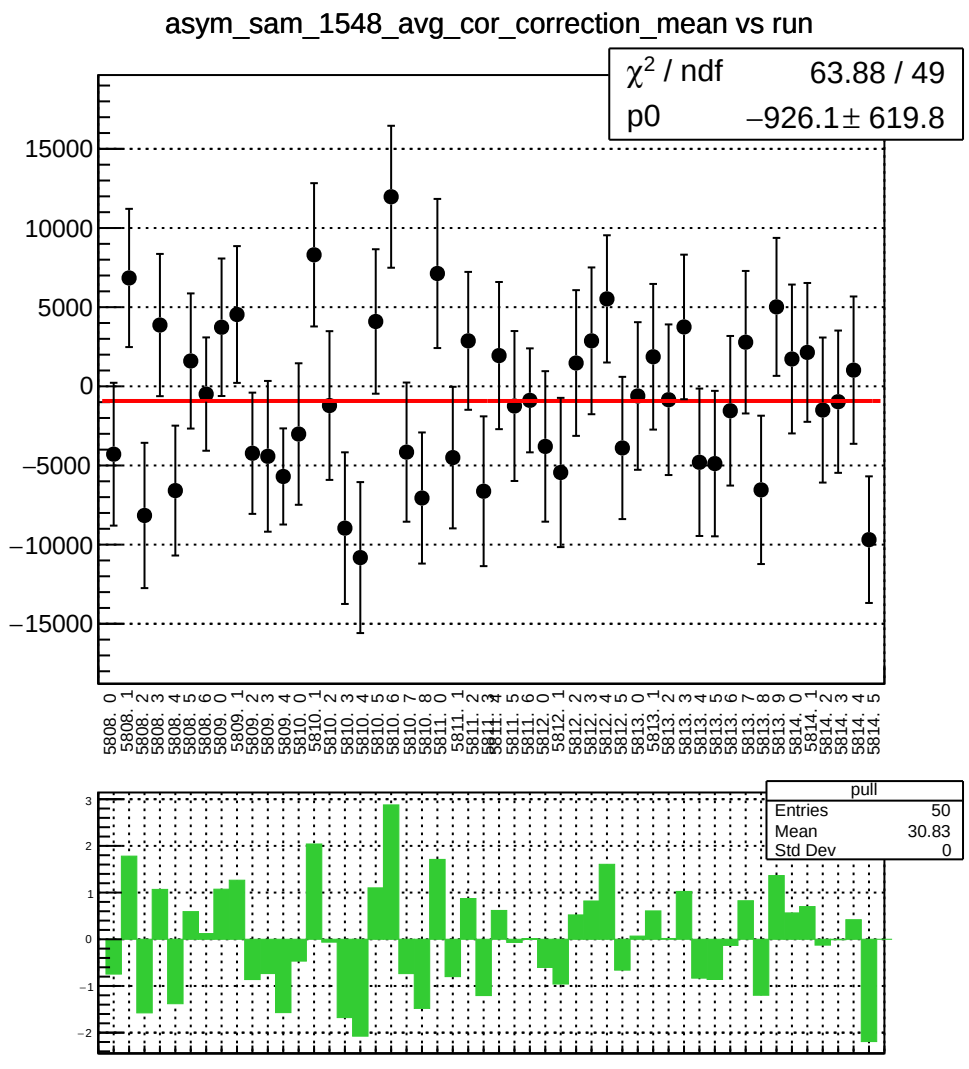

asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 63.88 / 49
p0 −926.1± 619.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 30.83
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01312
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

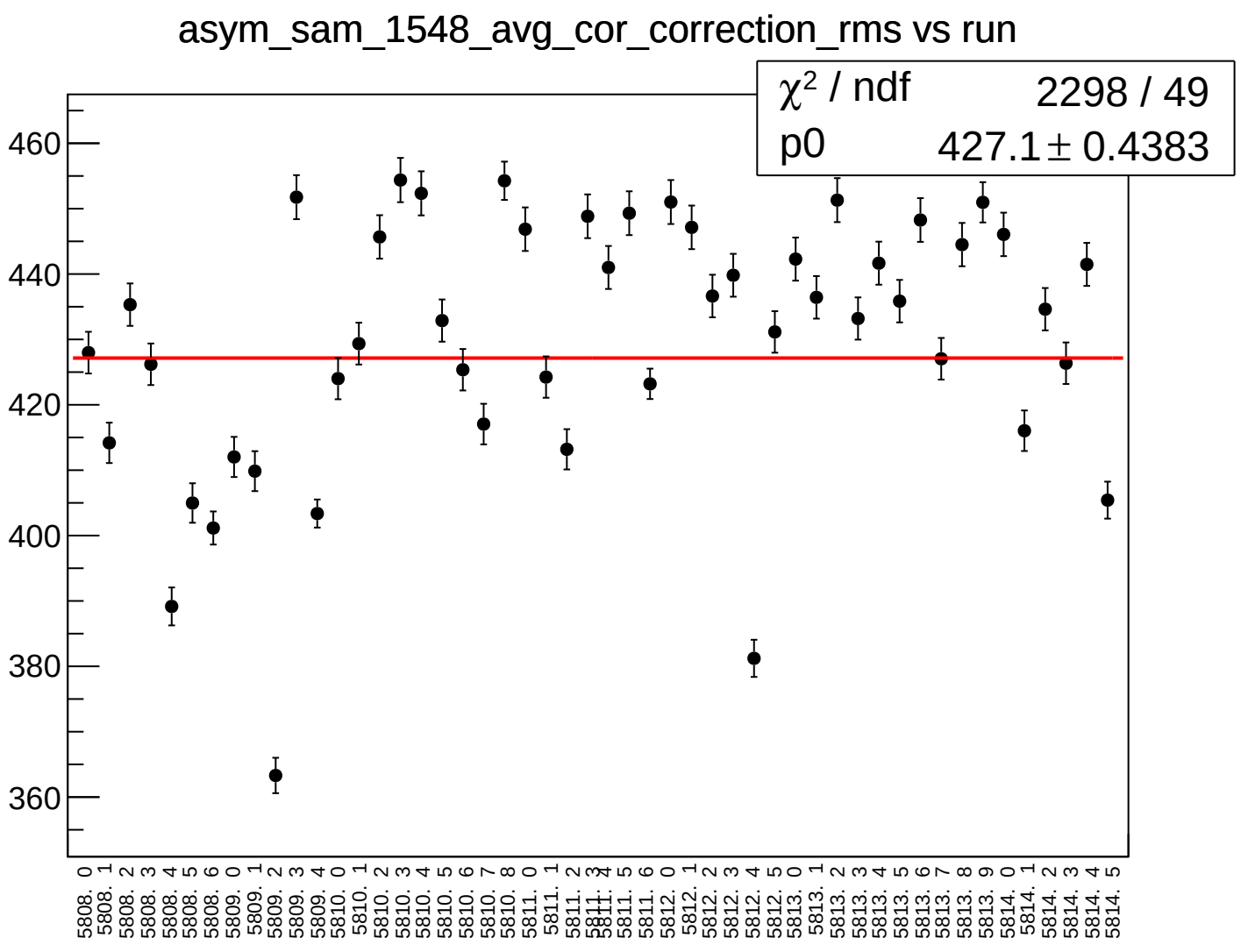

asym_sam_1548_avg_reg_correction_rms vs run
χ² / ndf 2299 / 49
p0 427.1 ± 0.4383
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_1548_avg_mean vs run
χ² / ndf 64.38 / 49
p0 −158.9 ± 87.65
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 613.6
Std Dev 0


pull1D
Entries 50
Mean −0.003674
Std Dev 1.135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1548_avg_rms vs run
χ² / ndf 8488 / 49
p0 60.2 ± 0.06198
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 63.88 / 49
p0 −926.1± 619.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 30.83
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01312
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 2298 / 49
p0 427.1 ± 0.4383
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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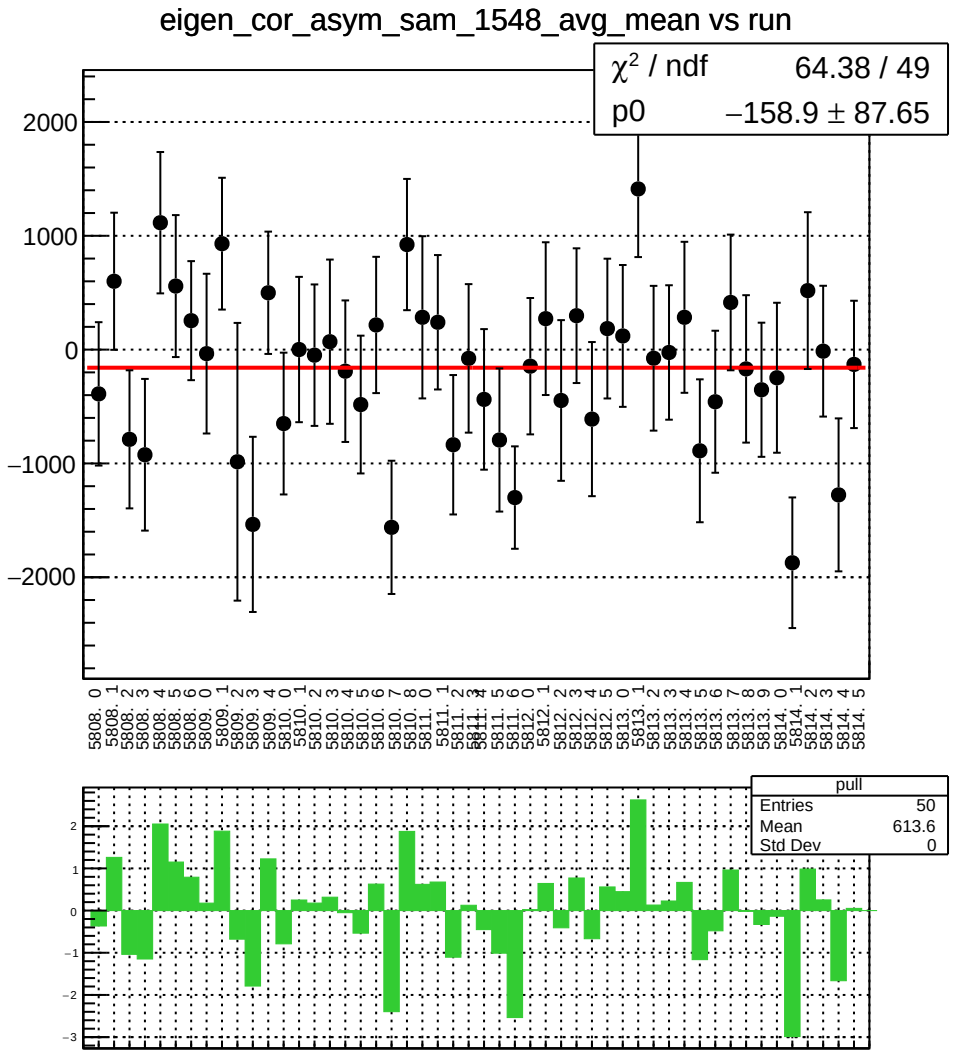
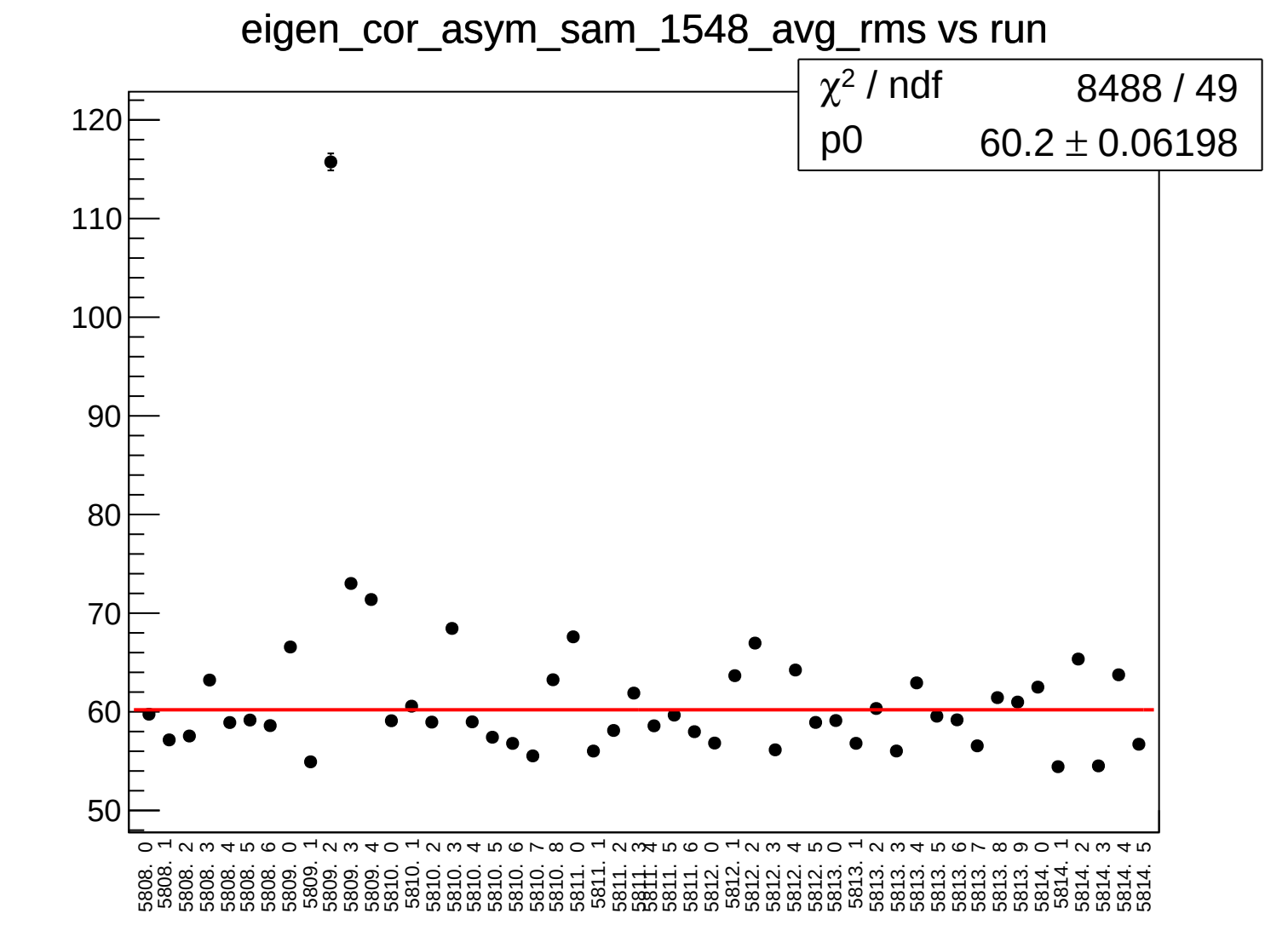
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 64.38 / 49
p0 −158.9 ± 87.65
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 613.6
Std Dev 0
pull1D
Entries 50
Mean −0.003674
Std Dev 1.135
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 8488 / 49
p0 60.2 ± 0.06198
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
5812. 1
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5813. 1
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5813. 5
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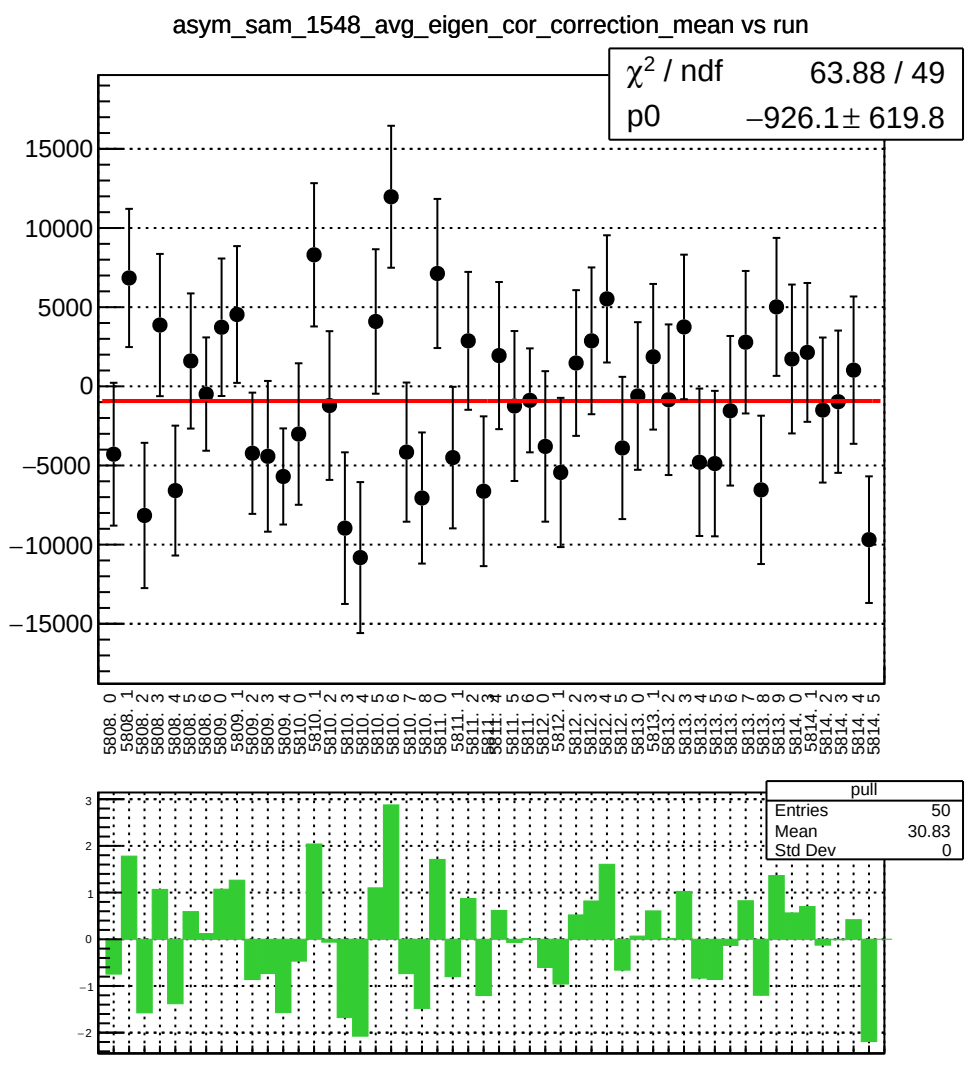
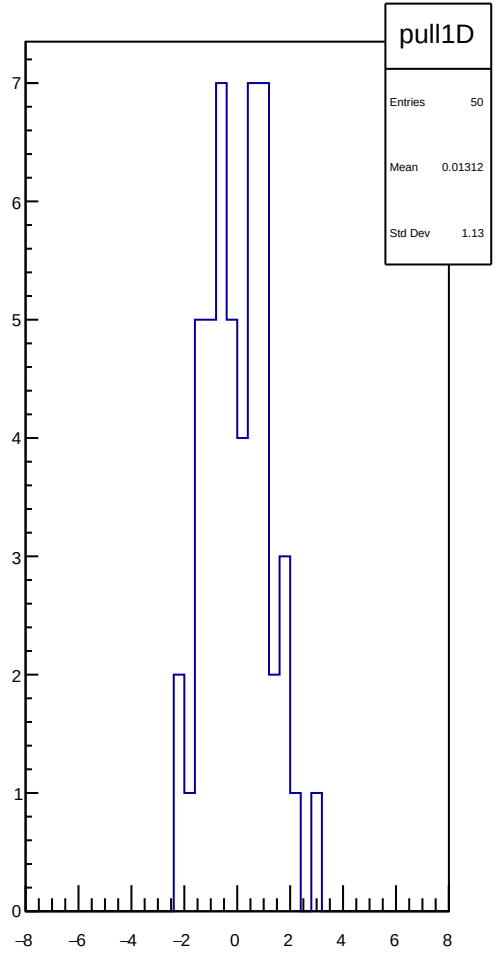
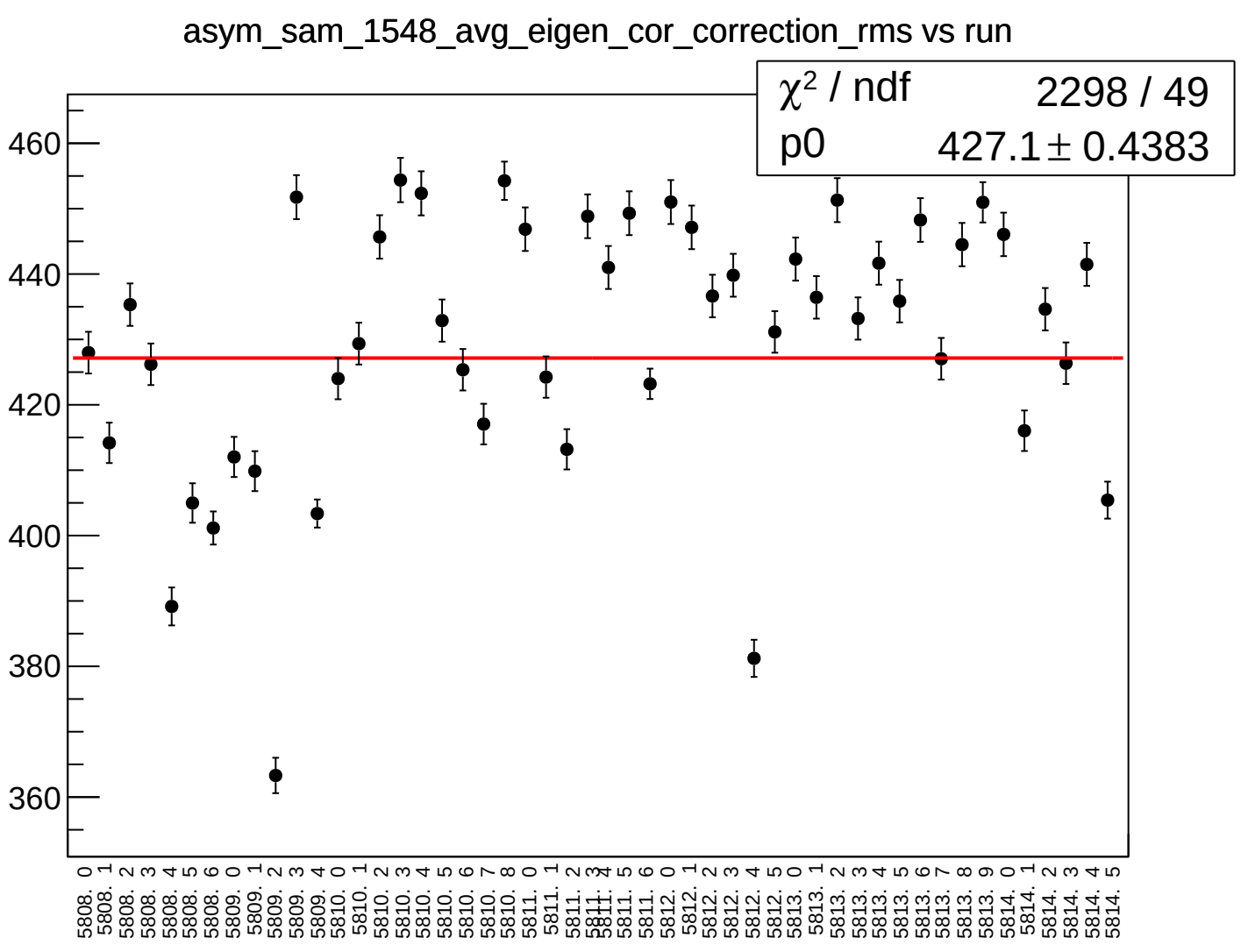
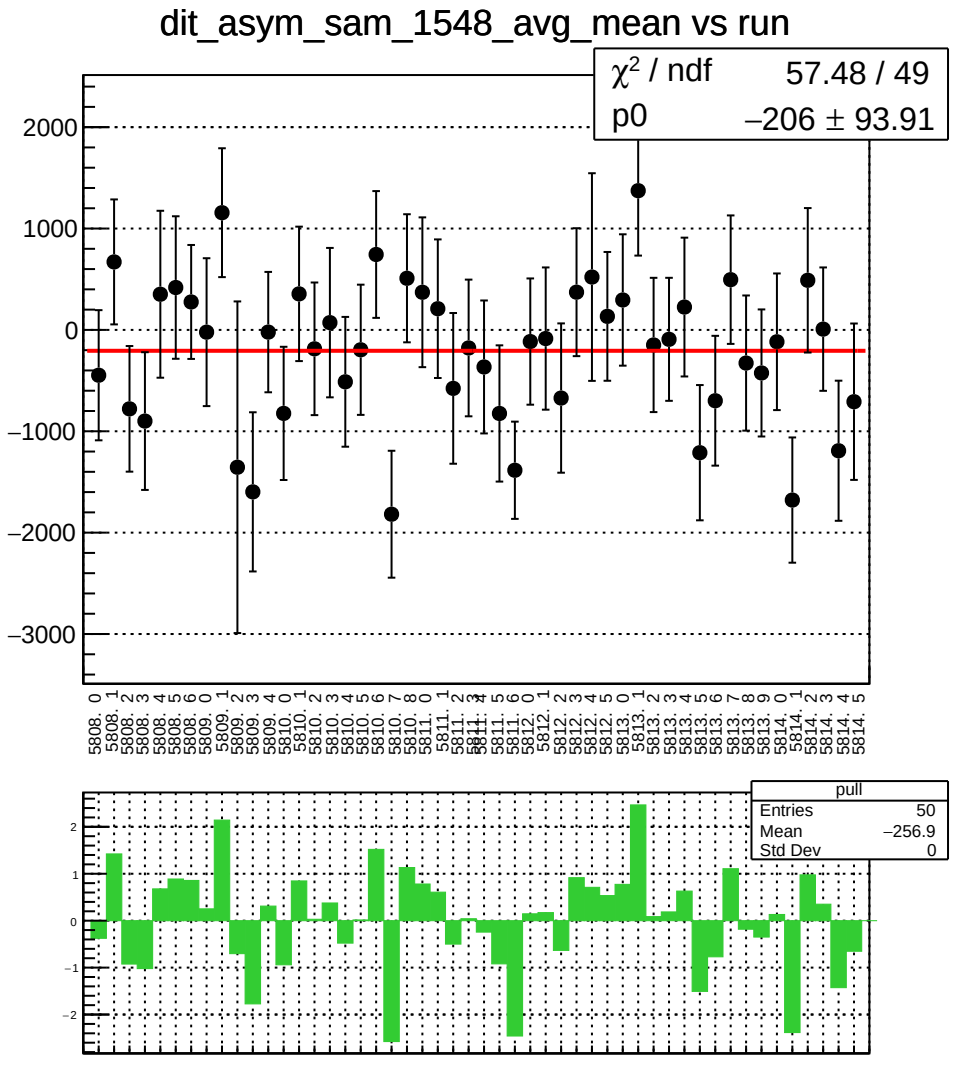
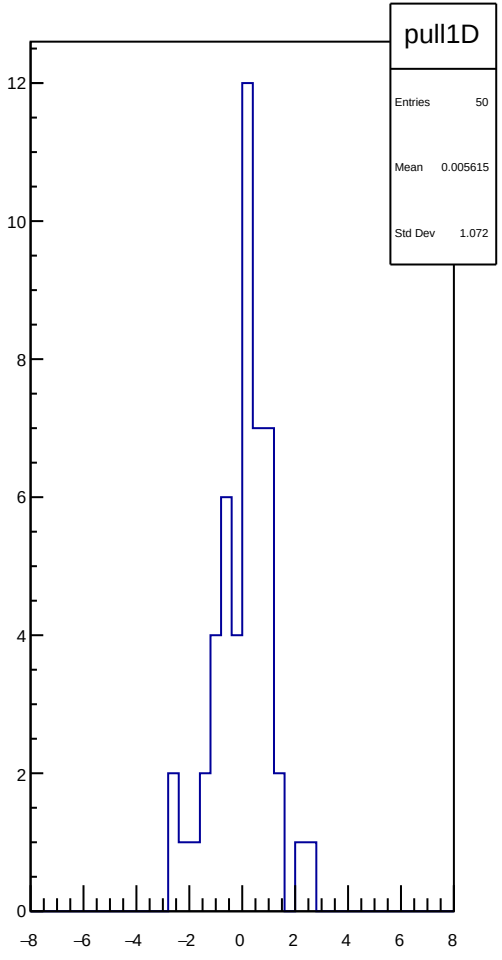
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

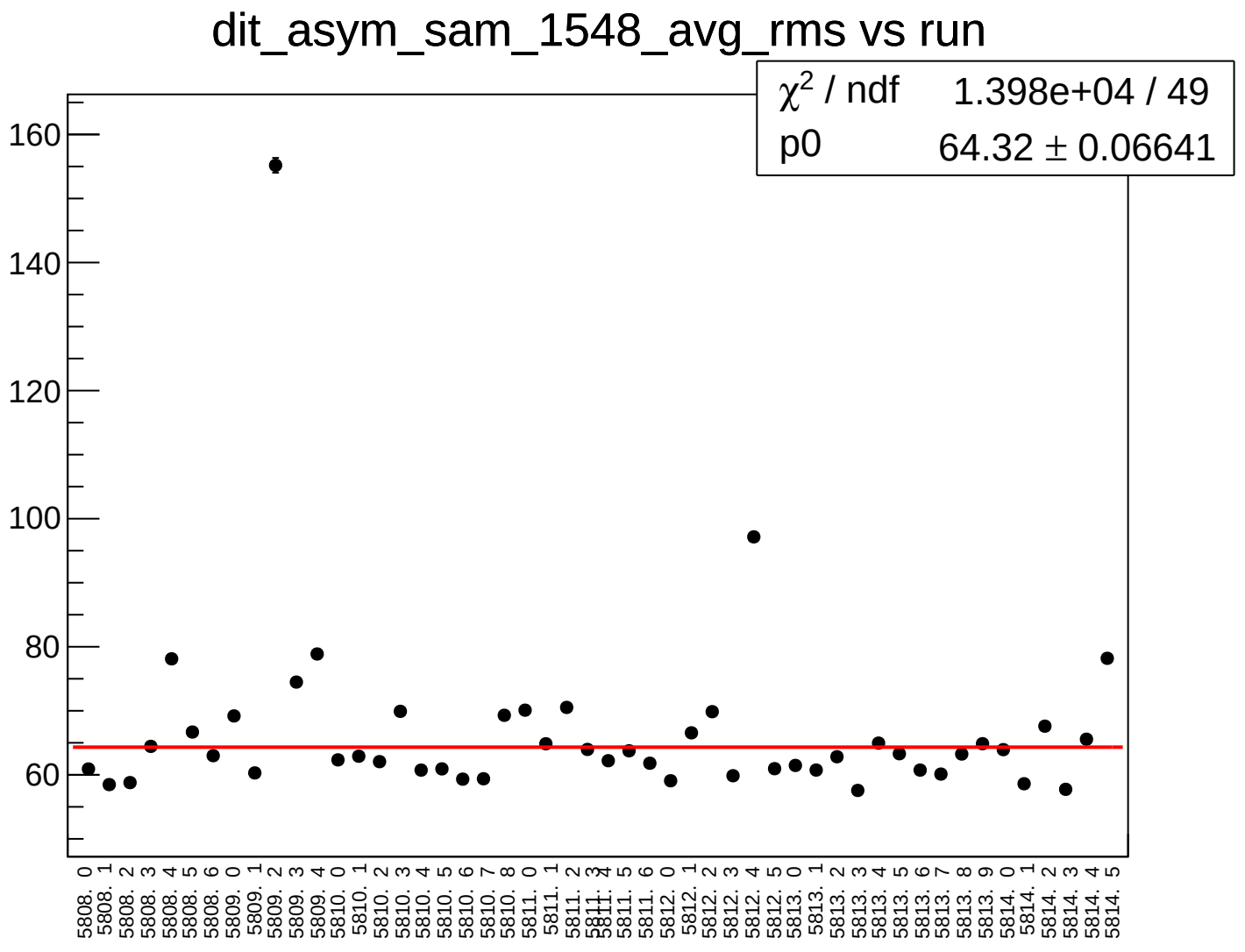

asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 63.88 / 49
p0 −926.1± 619.8
15000
10000
5000
0
−5000
−10000
−15000
pull
Entries 50
Mean 30.83
Std Dev 0
3
2
1
0
−1
−2

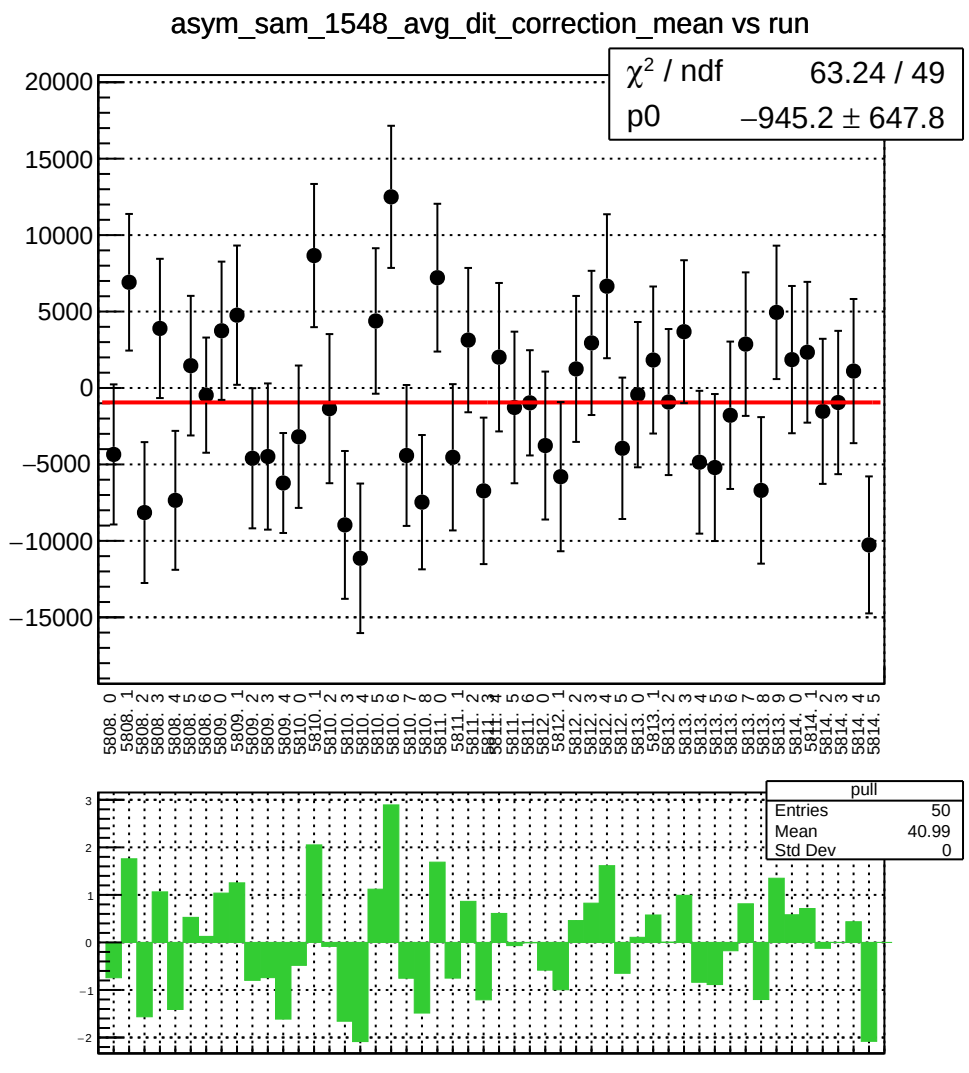

pull1D
Entries 50
Mean 0.01312
Std Dev 1.13
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

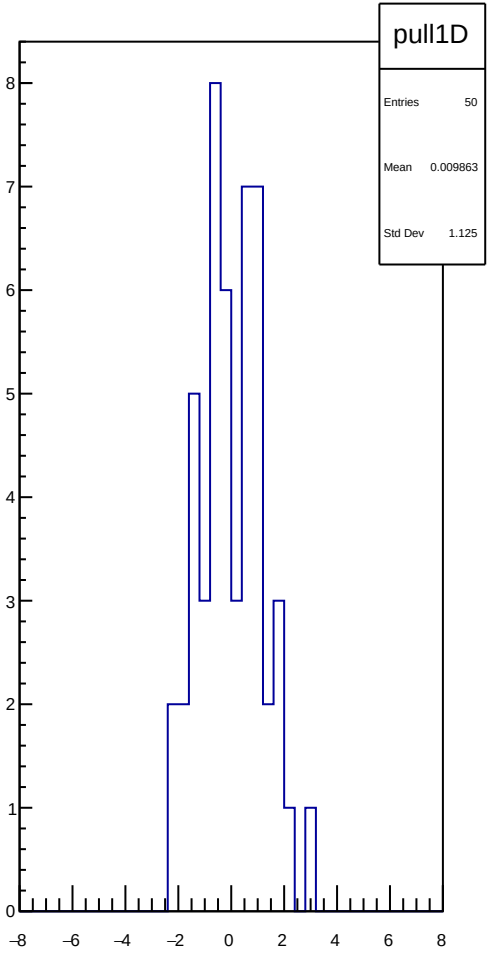

asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 2298 / 49
p0 427.1 ± 0.4383
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

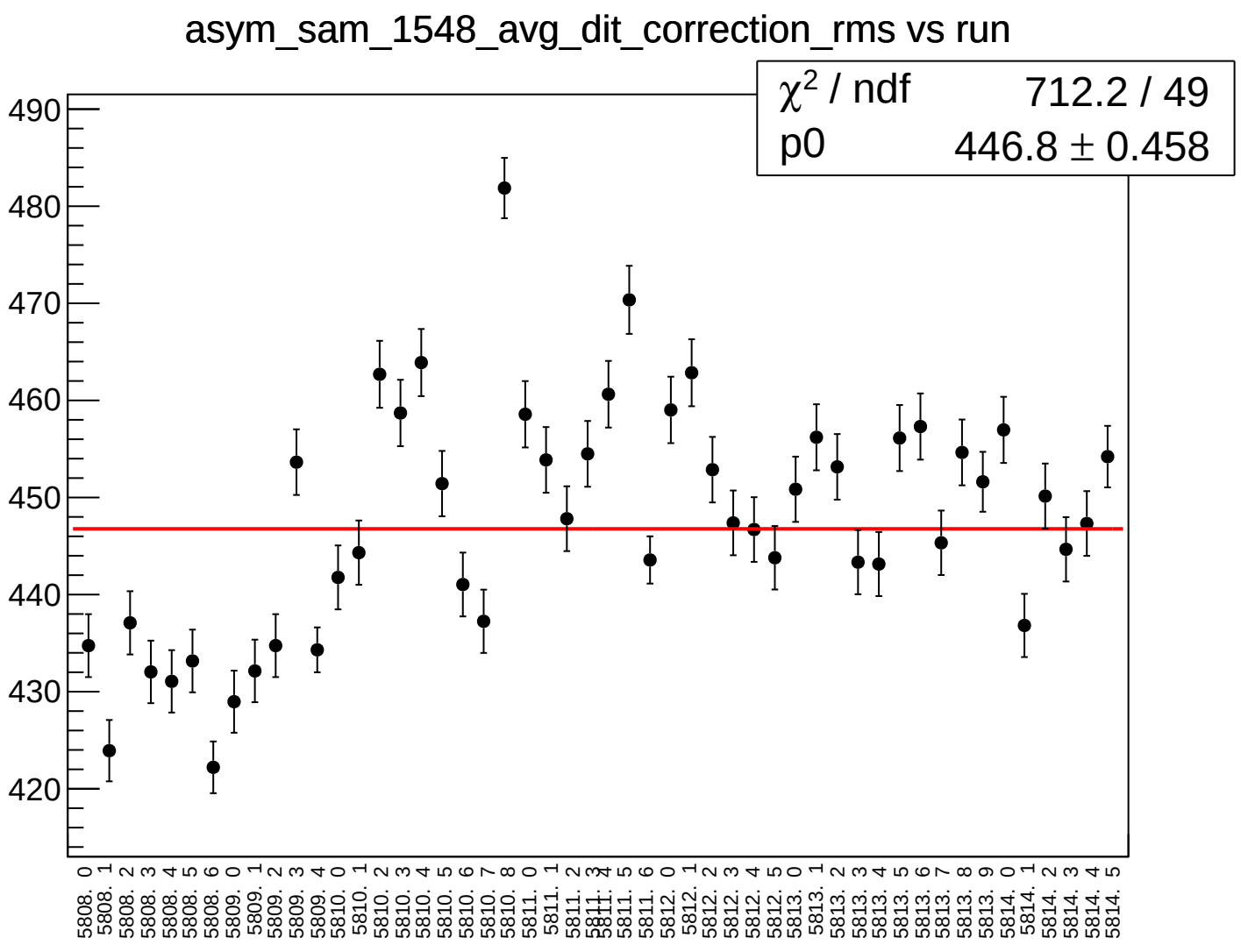

dit_asym_sam_1548_avg_mean vs run
χ² / ndf 57.48 / 49
p0 −206 ± 93.91
pull
Entries 50
Mean −256.9
Std Dev 0

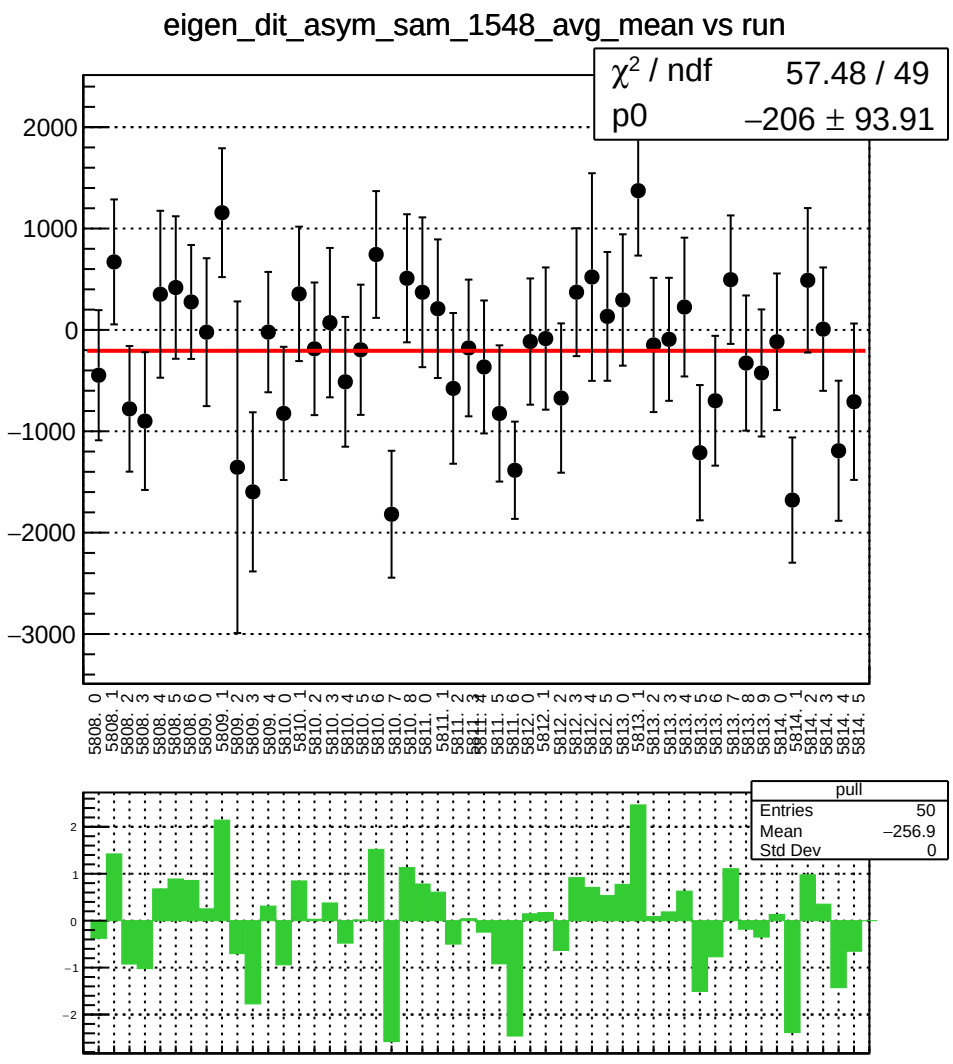

pull1D
Entries 50
Mean 0.005615
Std Dev 1.072

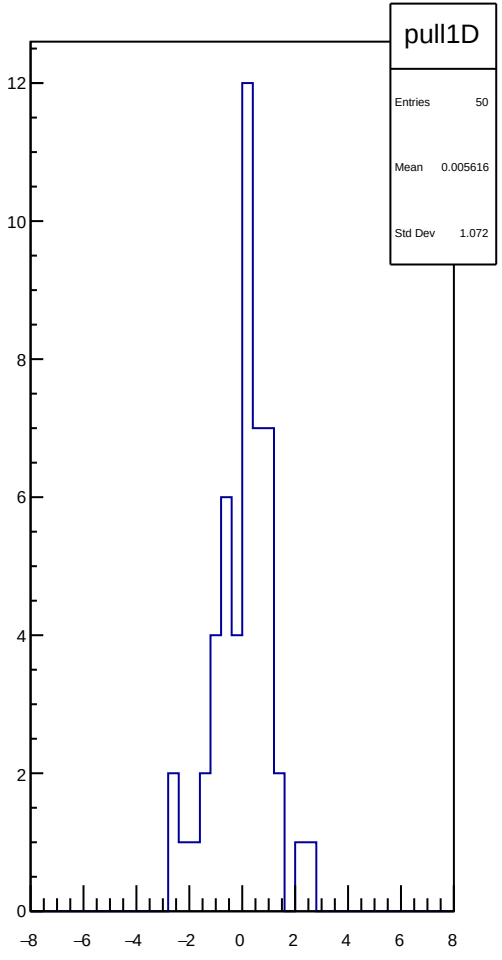

dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.398e+04 / 49
p0 64.32 ± 0.06641
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

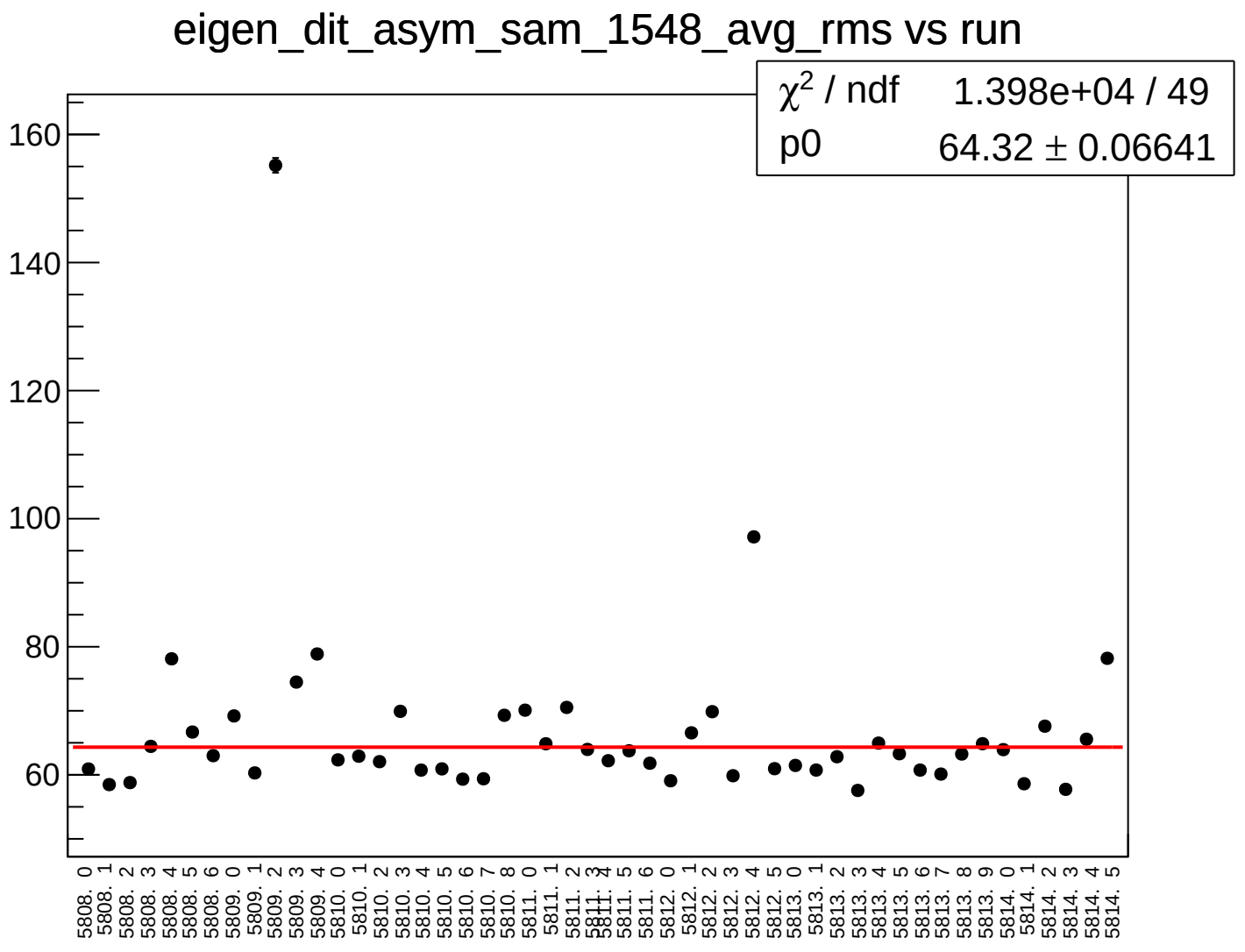

asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 63.24 / 49
p0 −945.2 ± 647.8
pull
Entries 50
Mean 40.99
Std Dev 0

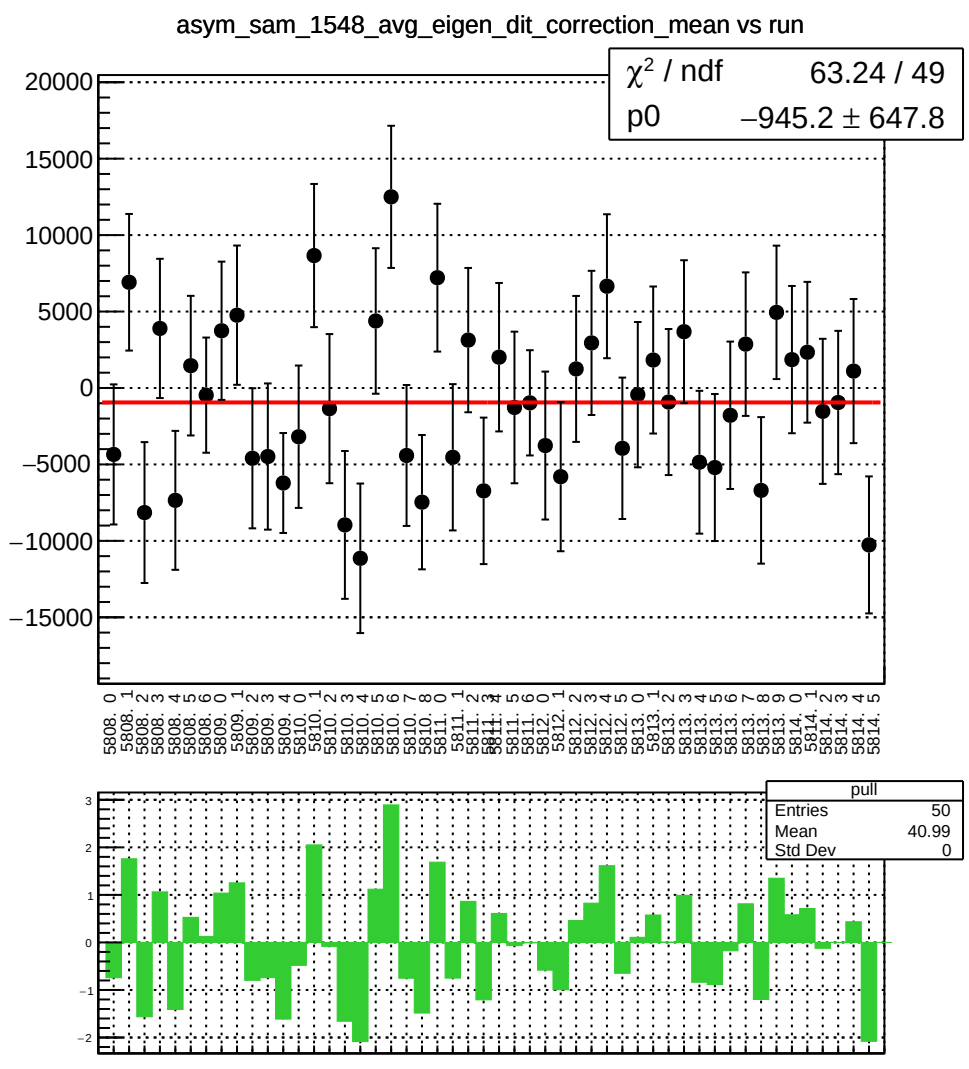

pull1D
Entries 50
Mean 0.009863
Std Dev 1.125

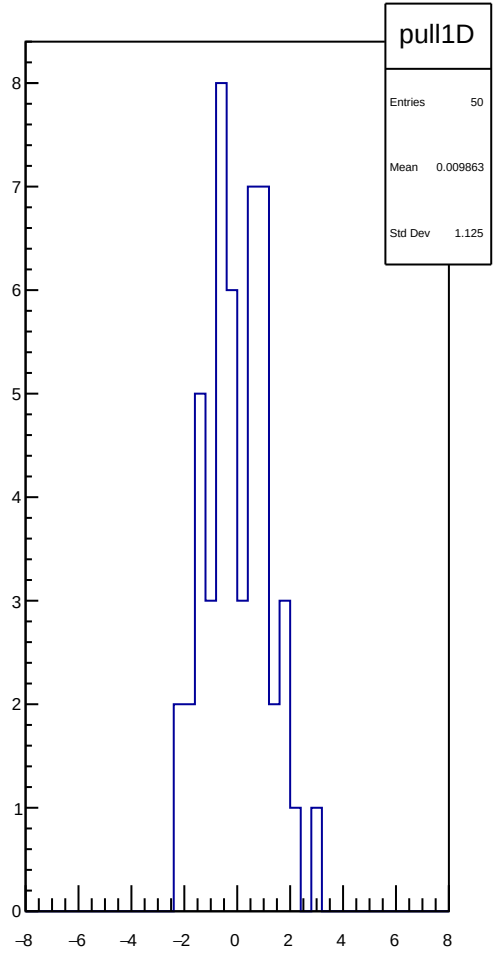

asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 712.2 / 49
p0 446.8 ± 0.458
490
480
470
460
450
440
430
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

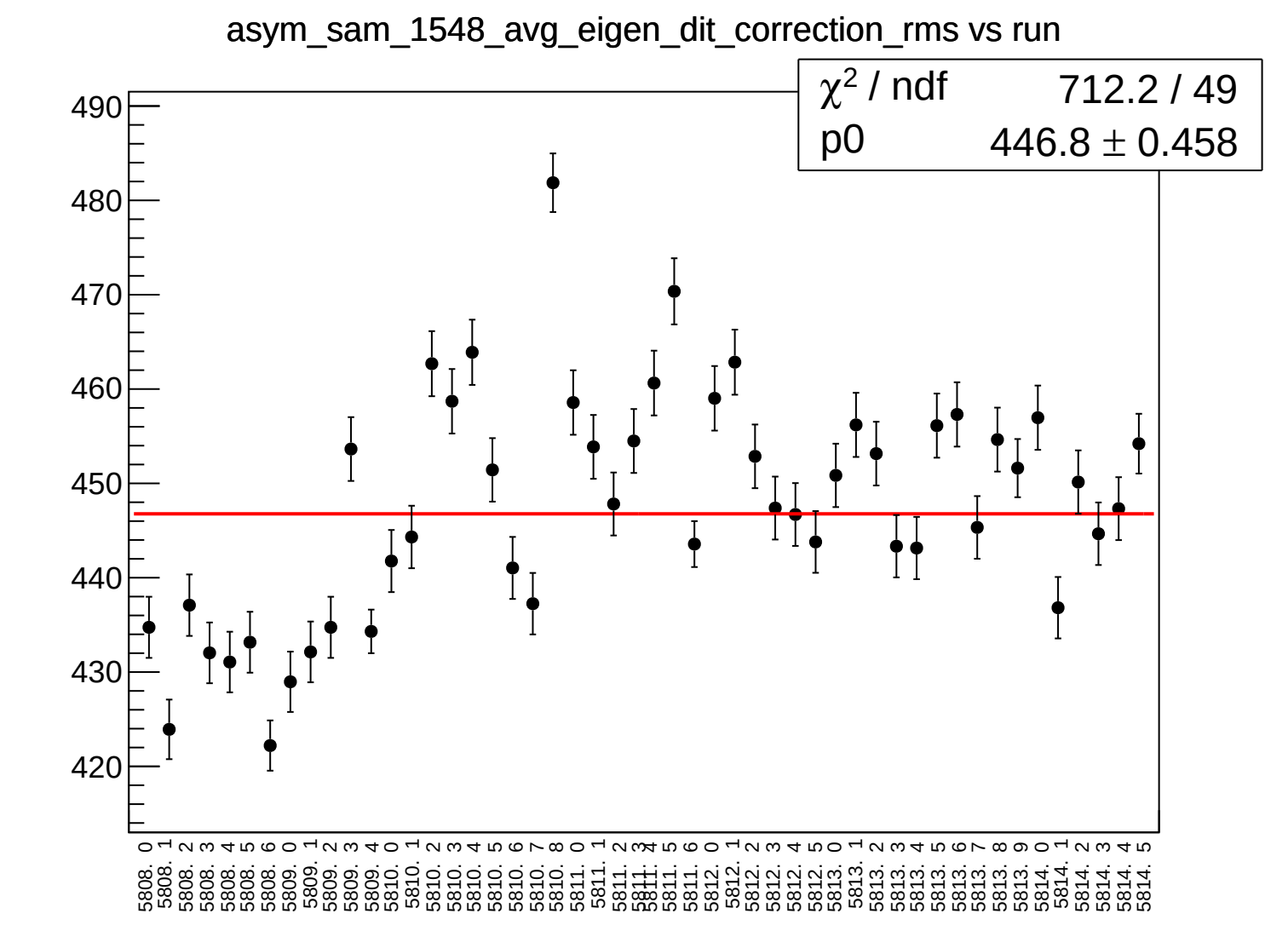

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 57.48 / 49
p0 −206 ± 93.91
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −256.9
Std Dev 0
2
1
0
−1
−2

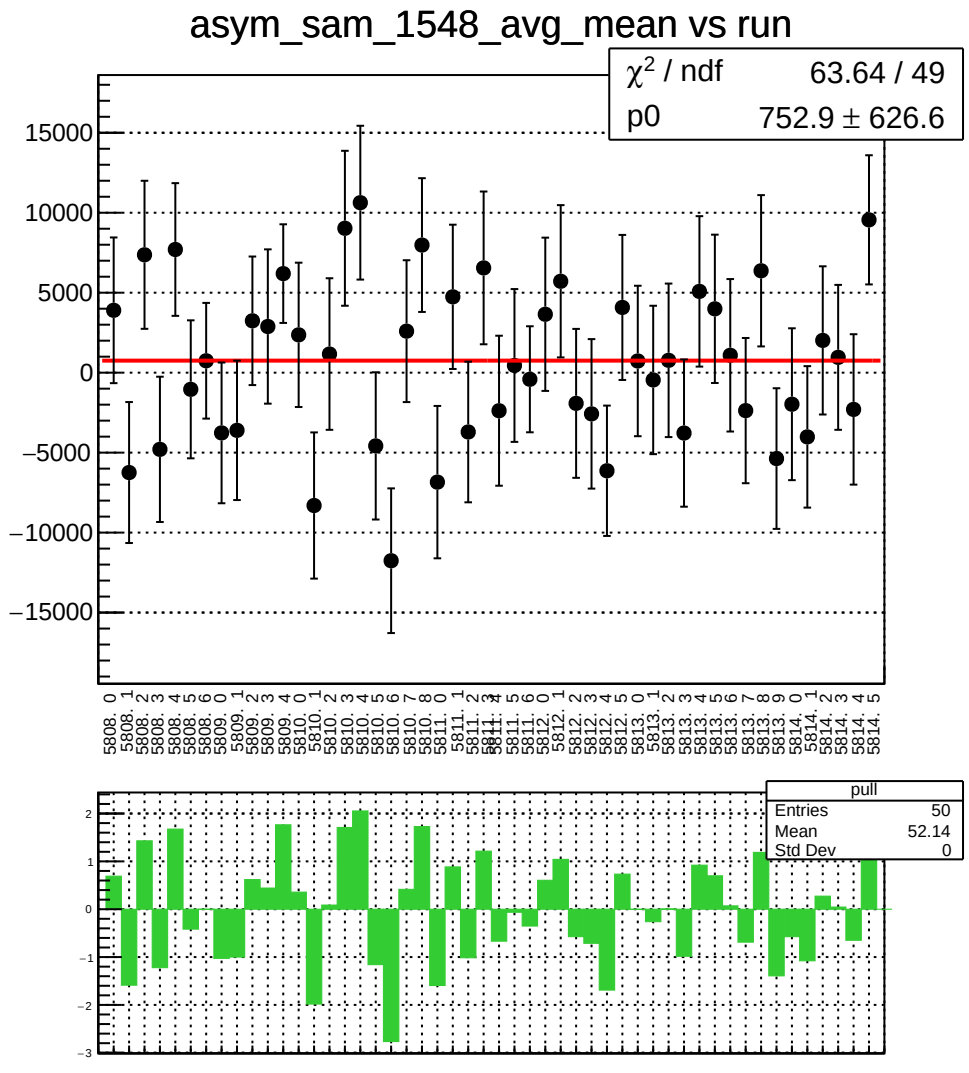

pull1D
Entries 50
Mean 0.005616
Std Dev 1.072
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

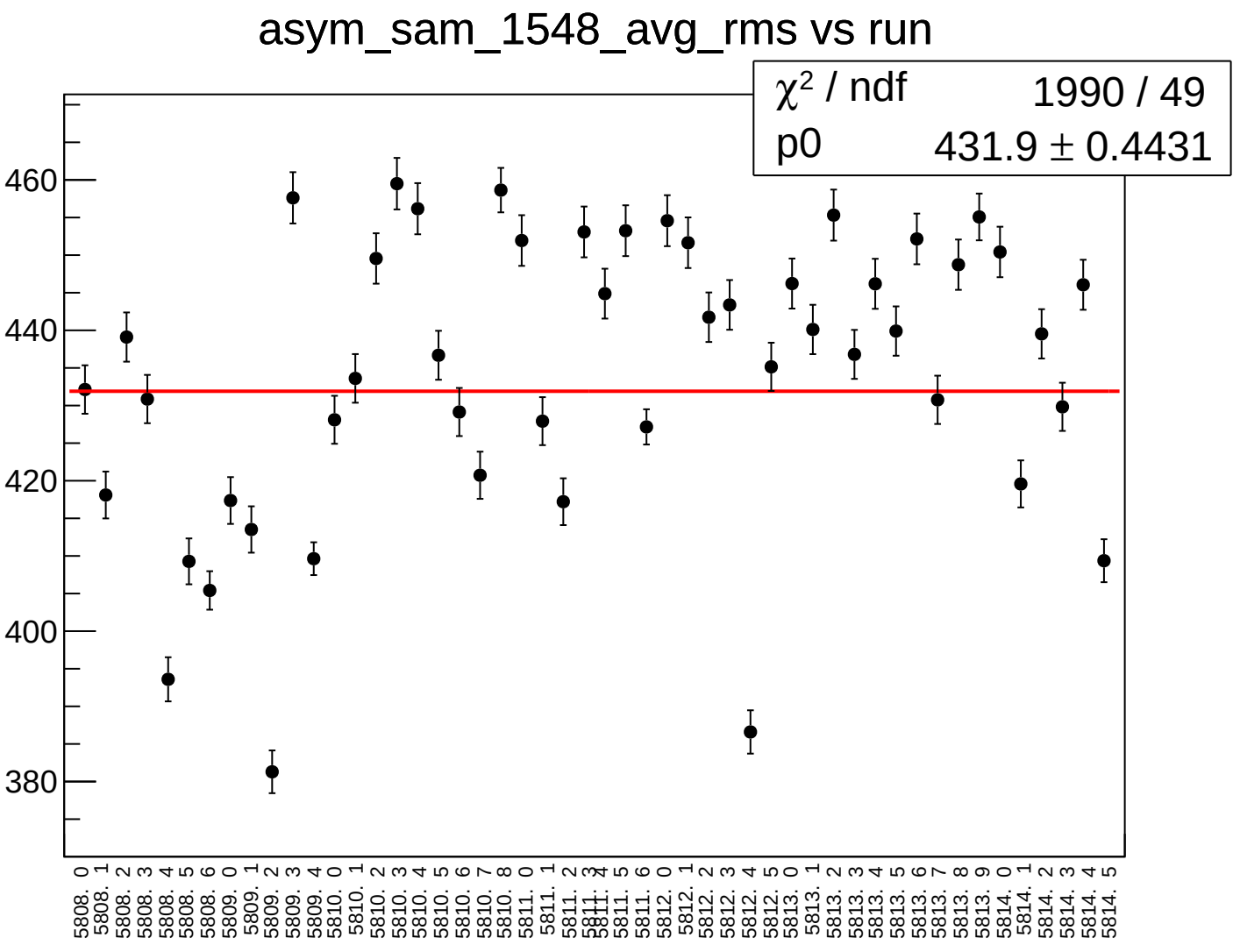

eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 1.398e+04 / 49
p0 64.32 ± 0.06641
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

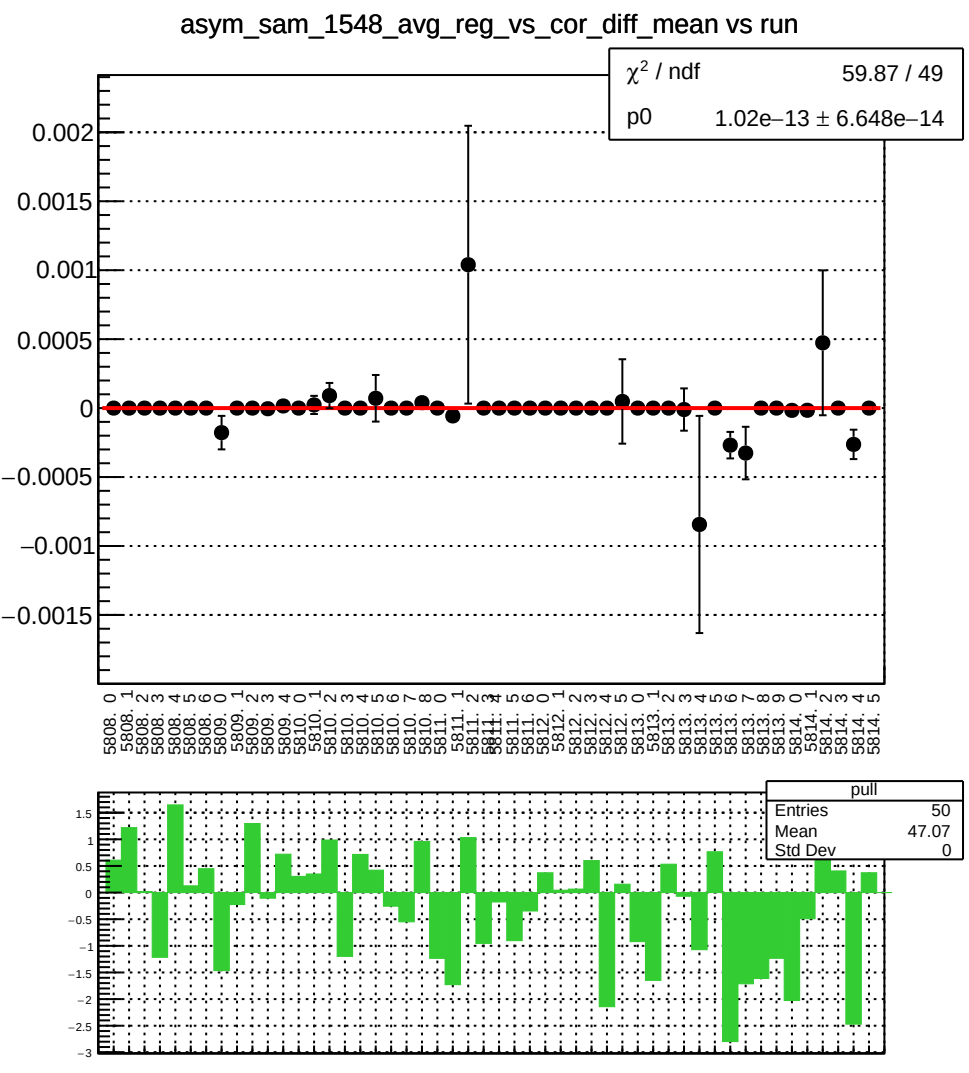

asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 63.24 / 49
p0 −945.2 ± 647.8
pull
Entries 50
Mean 40.99
Std Dev 0

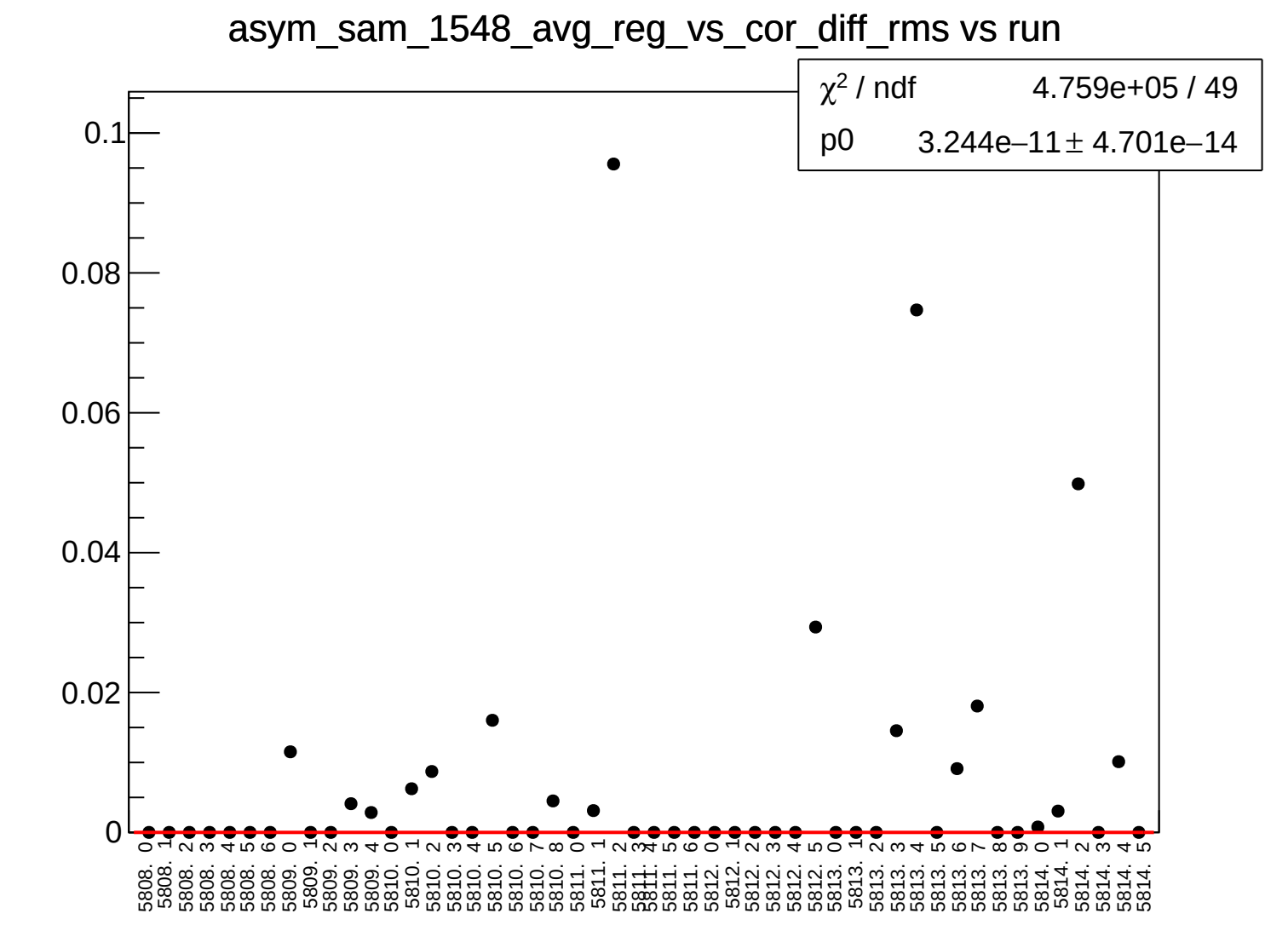

pull1D
Entries 50
Mean 0.009863
Std Dev 1.125

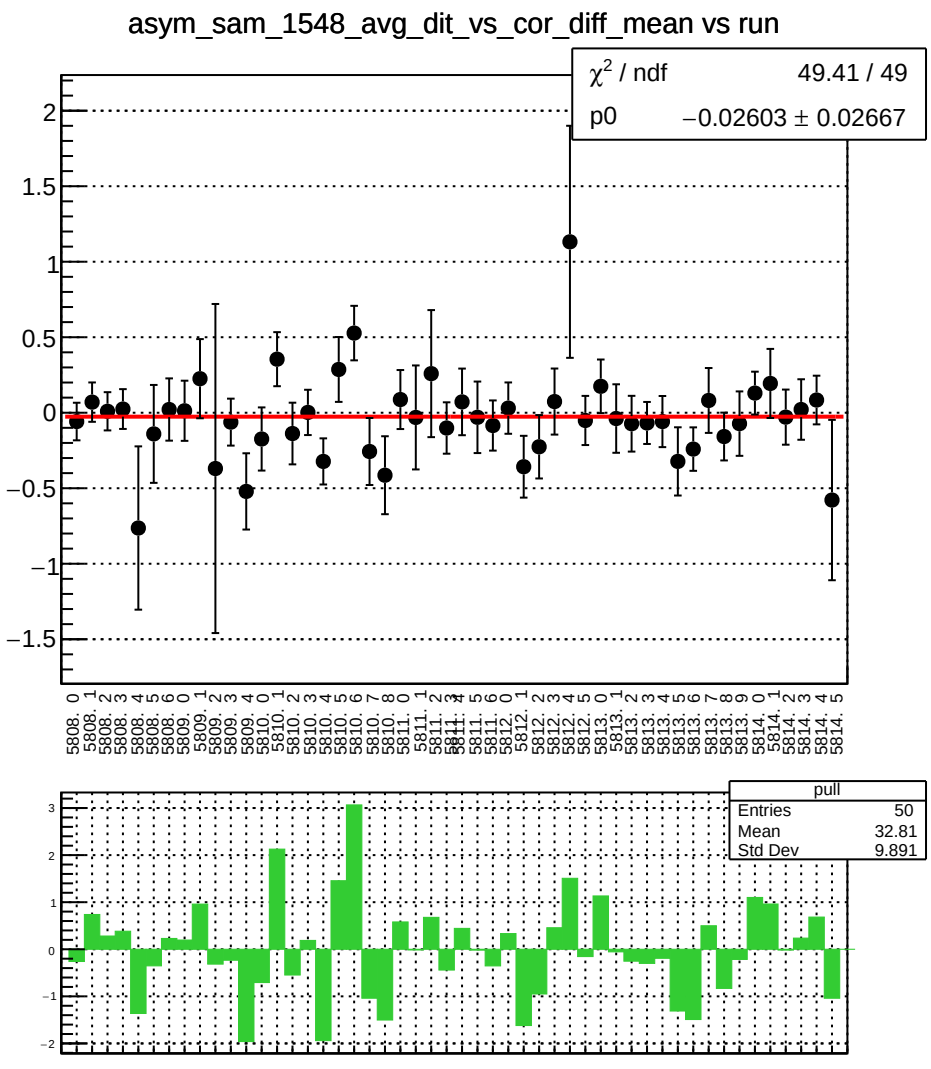

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 712.2 / 49
p0 446.8 ± 0.458
490
480
470
460
450
440
430
420
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

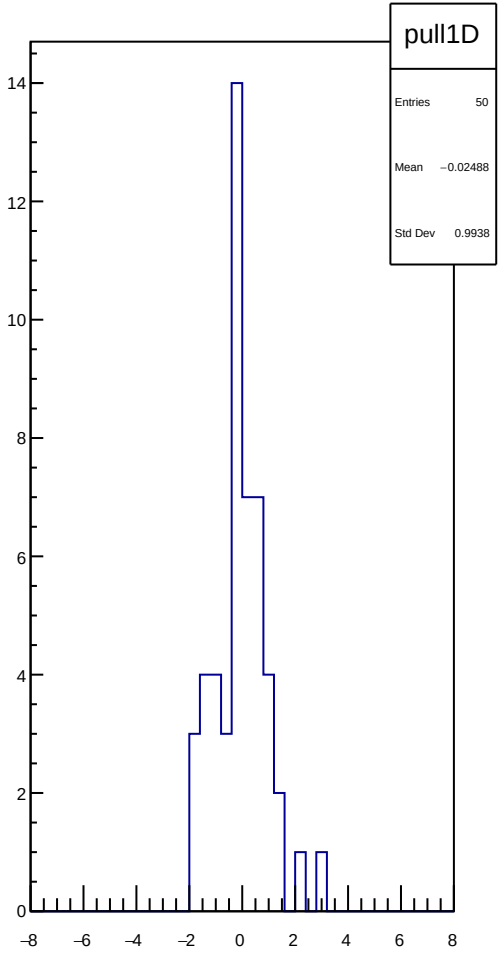

asym_sam_1548_avg_mean vs run
χ^2 / ndf 63.64 / 49
p0 752.9 ± 626.6
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 52.14
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.01263
Std Dev 1.128
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

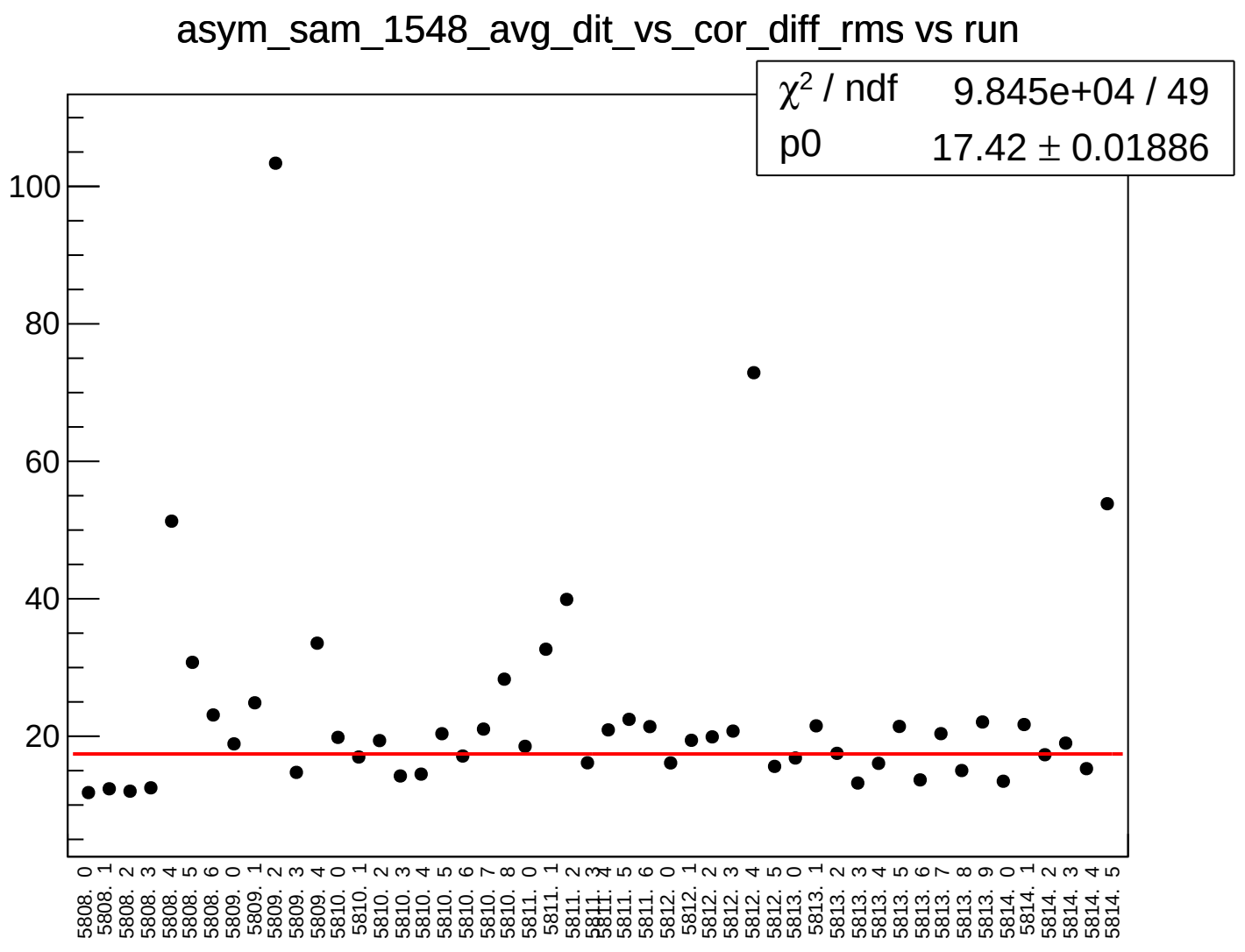

asym_sam_1548_avg_rms vs run
χ² / ndf 1990 / 49
p0 431.9 ± 0.4431
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

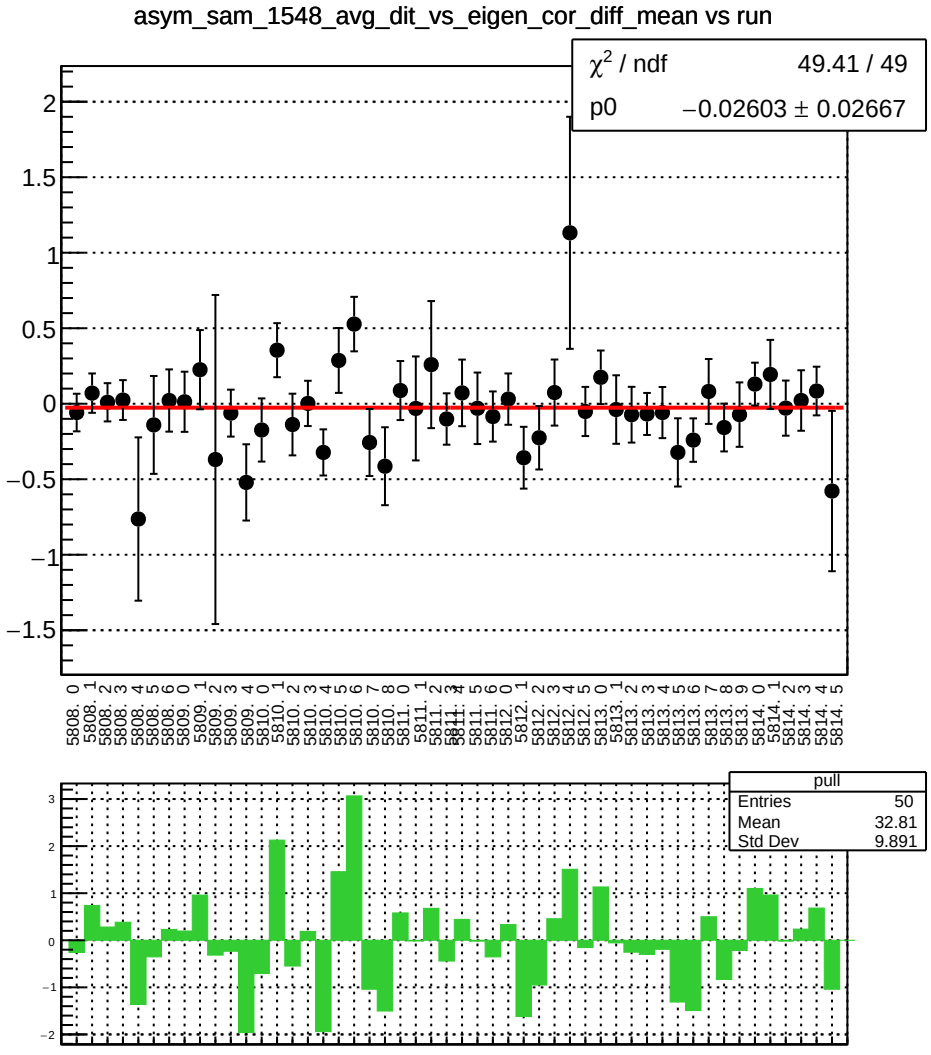

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 59.87 / 49
p0 1.02e−13 ± 6.648e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 47.07
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 50
Mean −0.2696
Std Dev 1.061
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

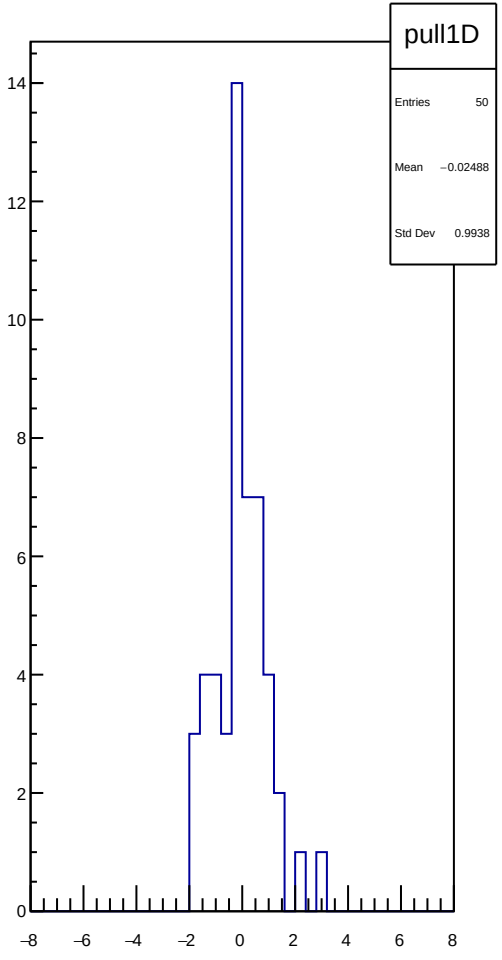

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.759e+05 / 49
p0 3.244e−11 ± 4.701e−14
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

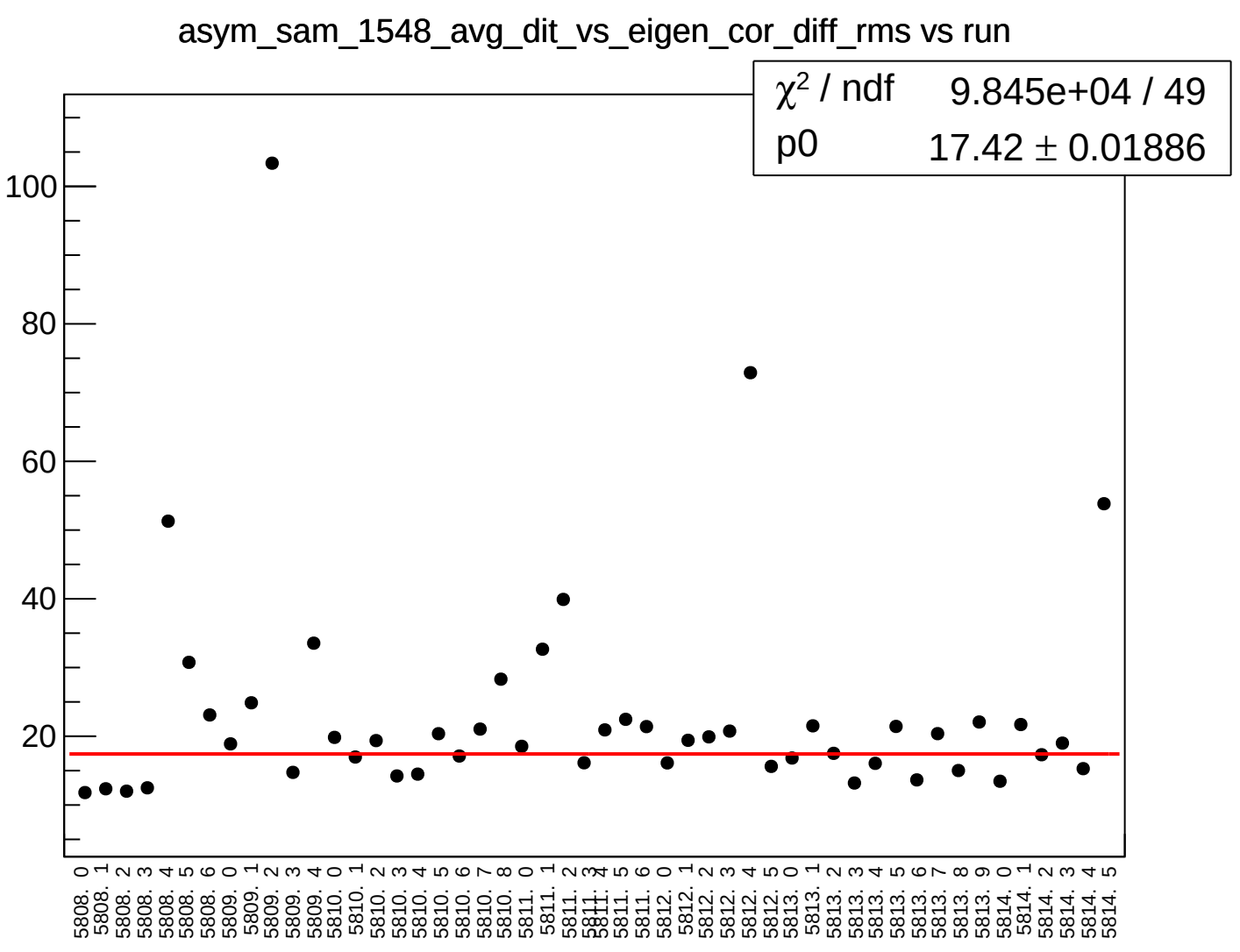

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.41 / 49
p0 −0.02603 ± 0.02667
pull
Entries 50
Mean 32.81
Std Dev 9.891


pull1D
Entries 50
Mean −0.02488
Std Dev 0.9938


asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.845e+04 / 49
p0 17.42 ± 0.01886
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.41 / 49
p0 −0.02603 ± 0.02667
pull
Entries 50
Mean 32.81
Std Dev 9.891


pull1D
Entries 50
Mean −0.02488
Std Dev 0.9938


asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.845e+04 / 49
p0 17.42 ± 0.01886
100
80
60
40
20
5808. 0
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5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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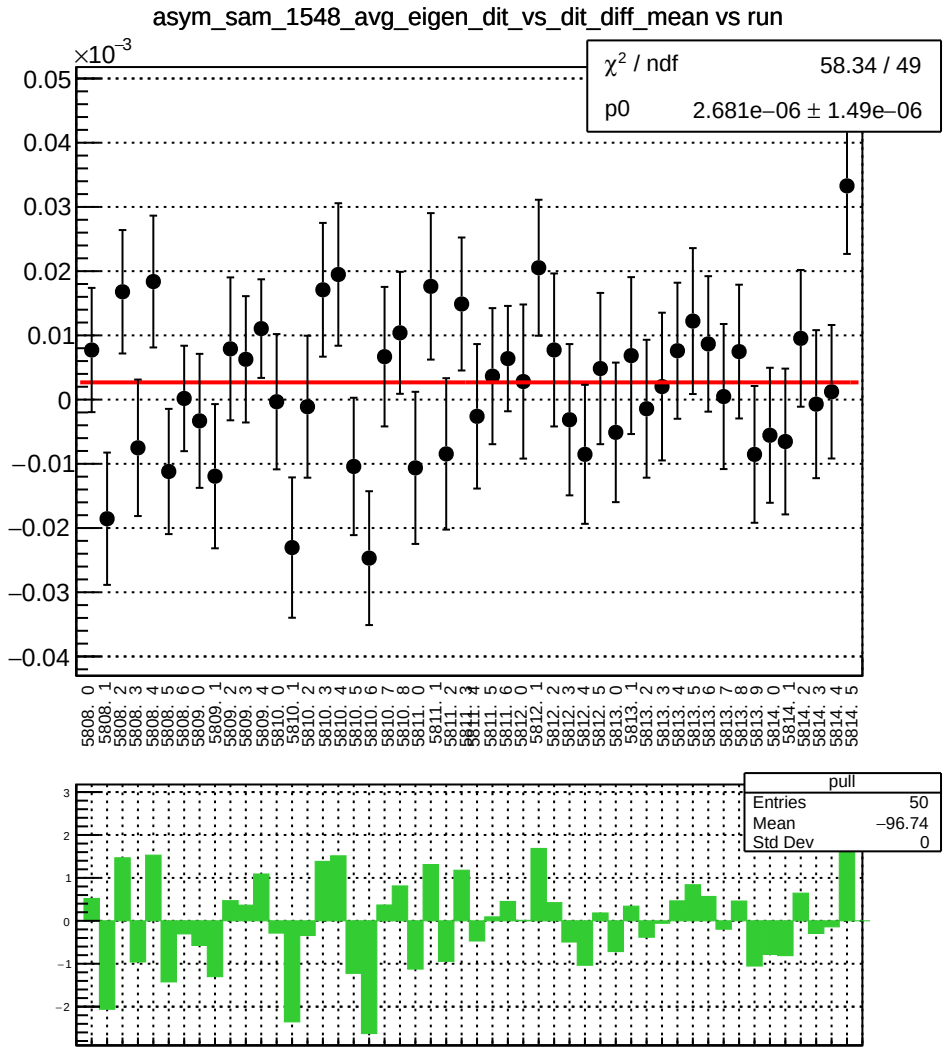
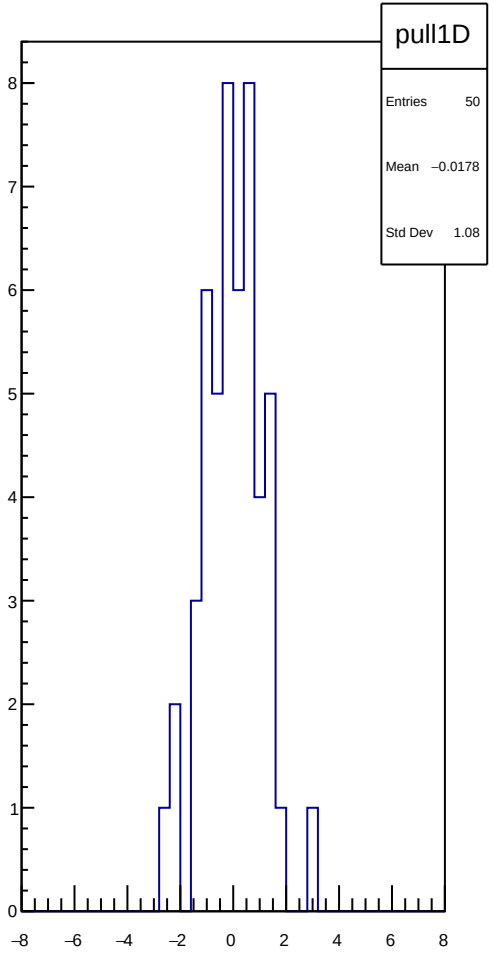
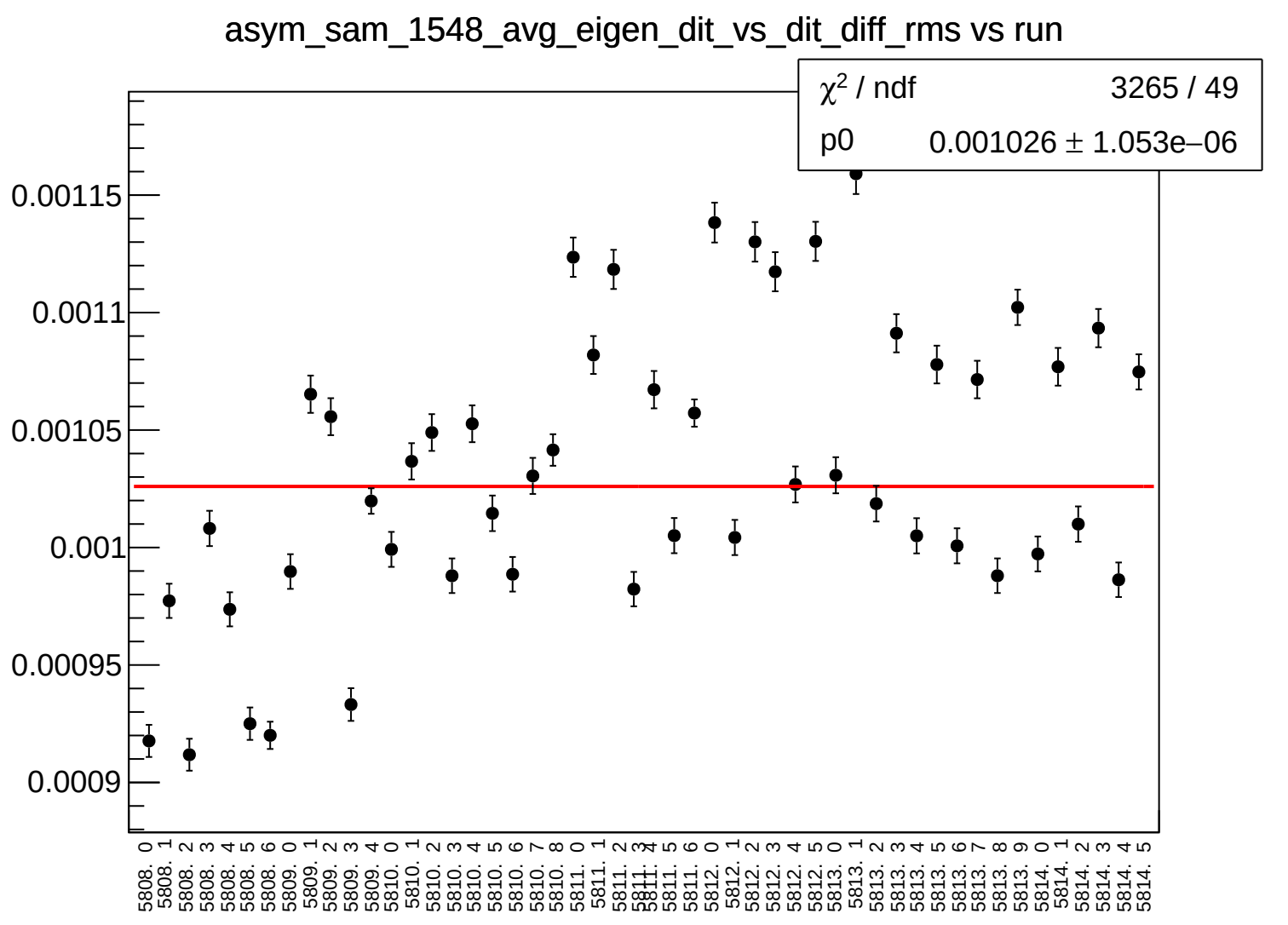
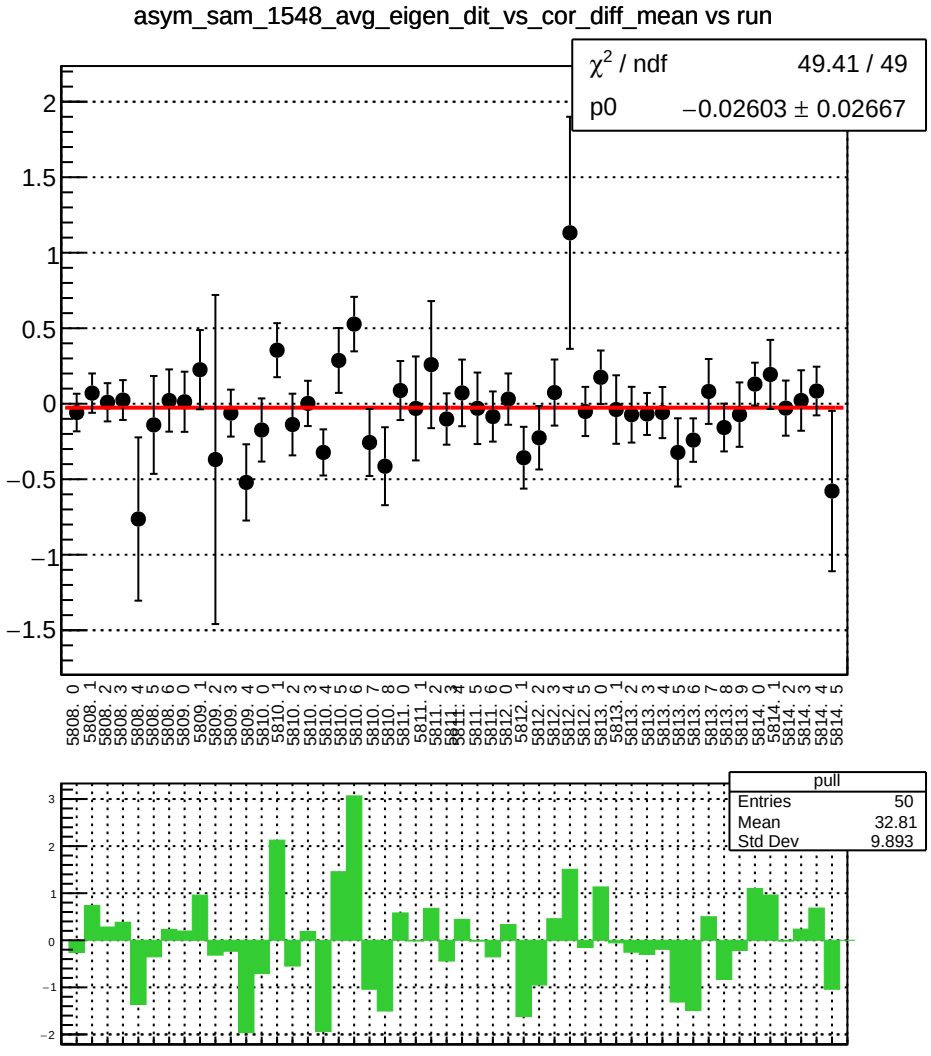
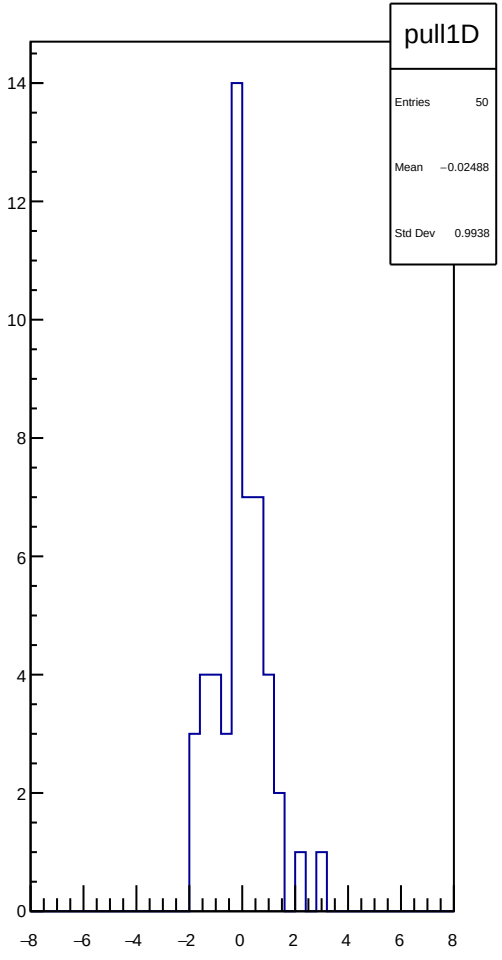
5814. 2
5814. 3
5814. 4
5814. 5

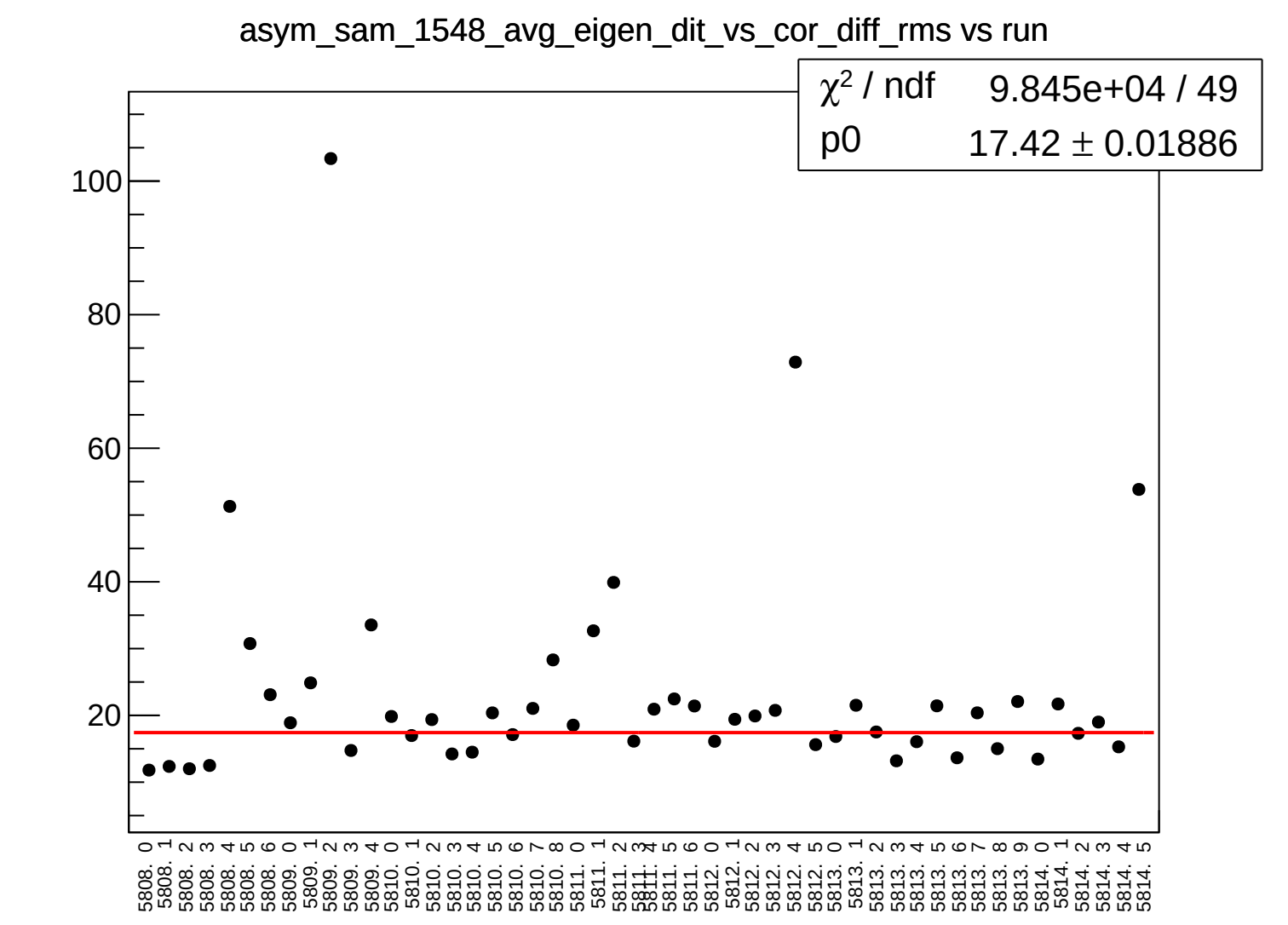

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 58.34 / 49
p0 2.681e−06 ± 1.49e−06
pull
Entries 50
Mean −96.74
Std Dev 0

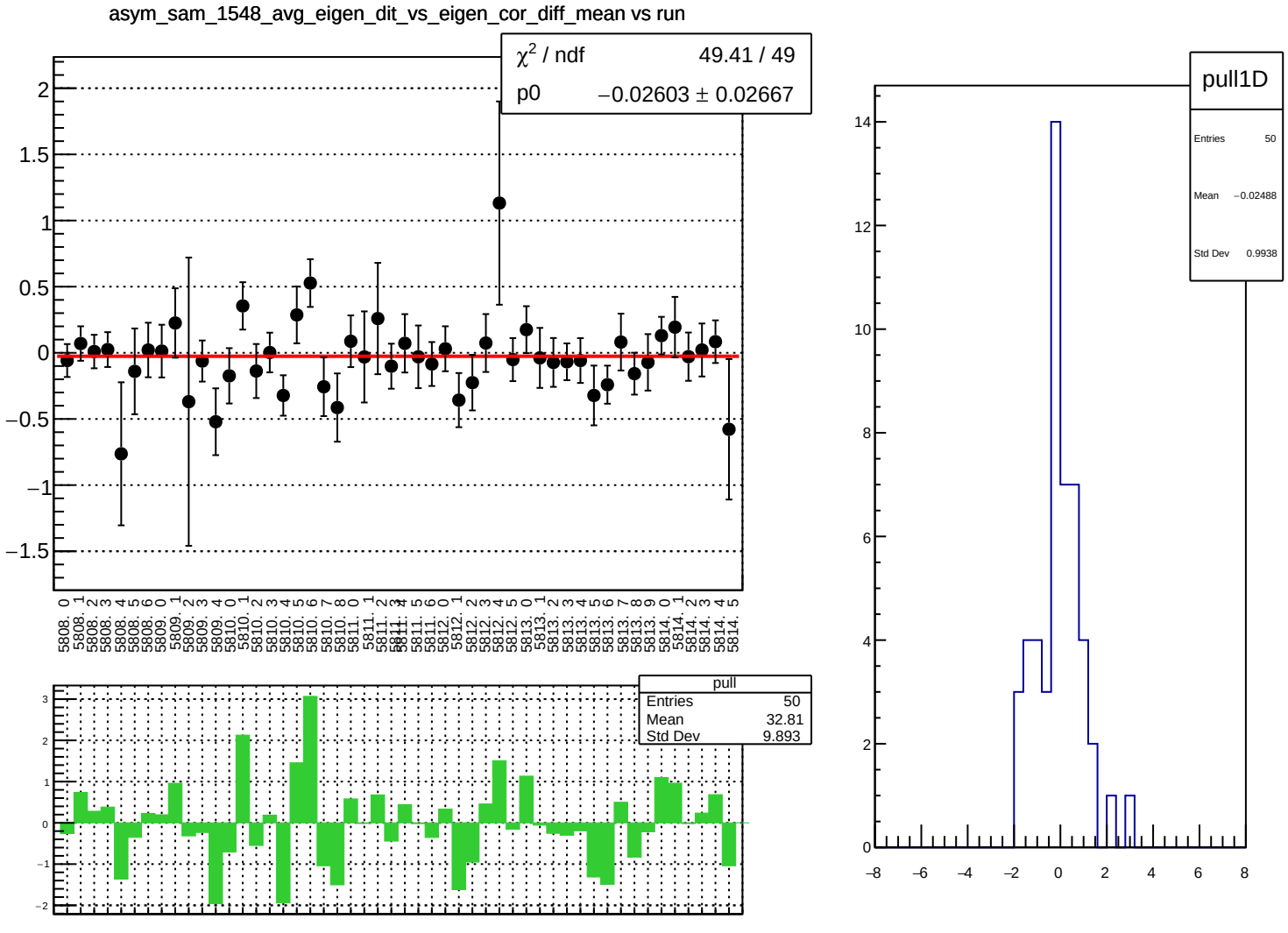

pull1D
Entries 50
Mean −0.0178
Std Dev 1.08

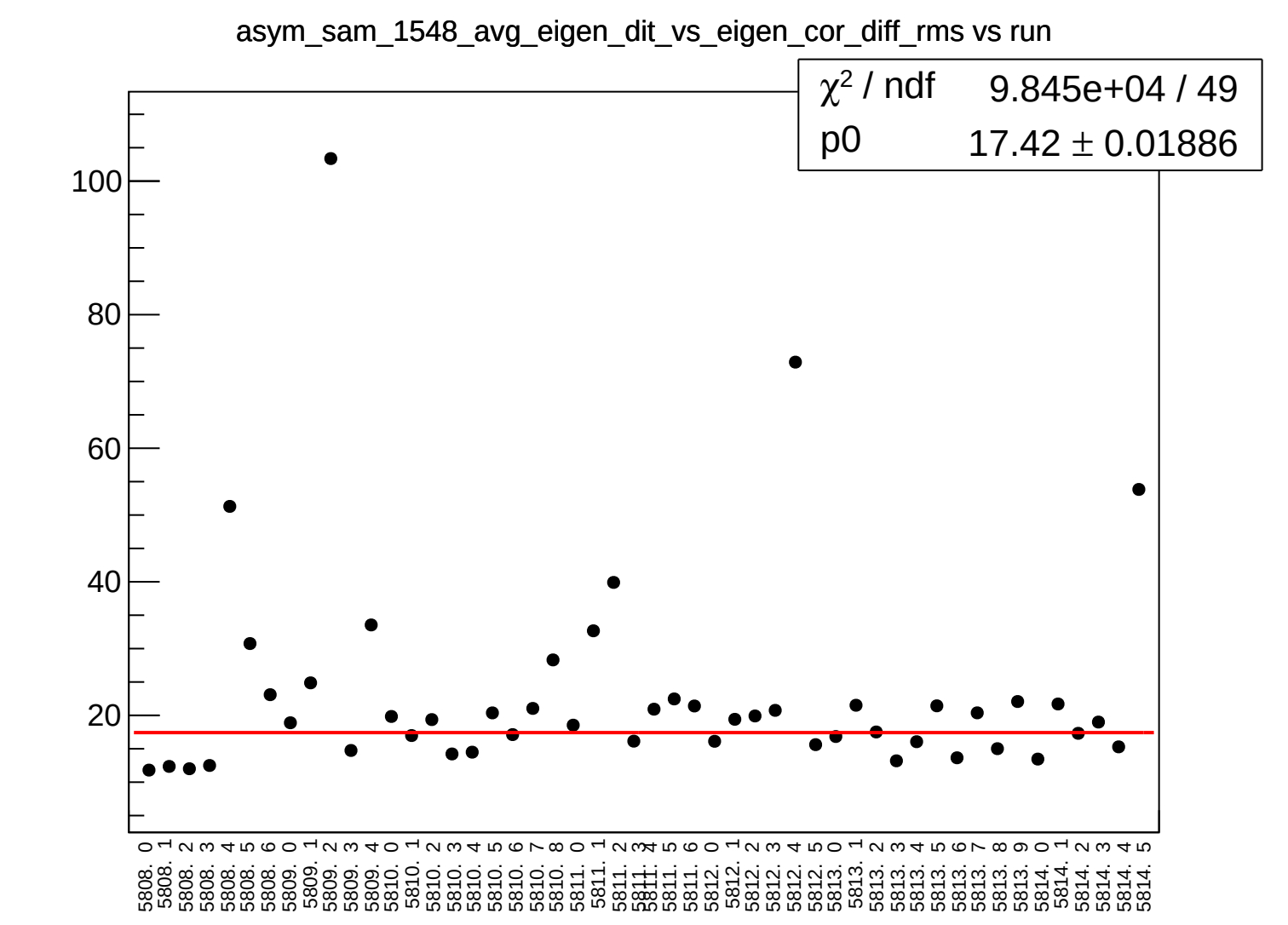

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3265 / 49
p0 0.001026 ± 1.053e−06
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

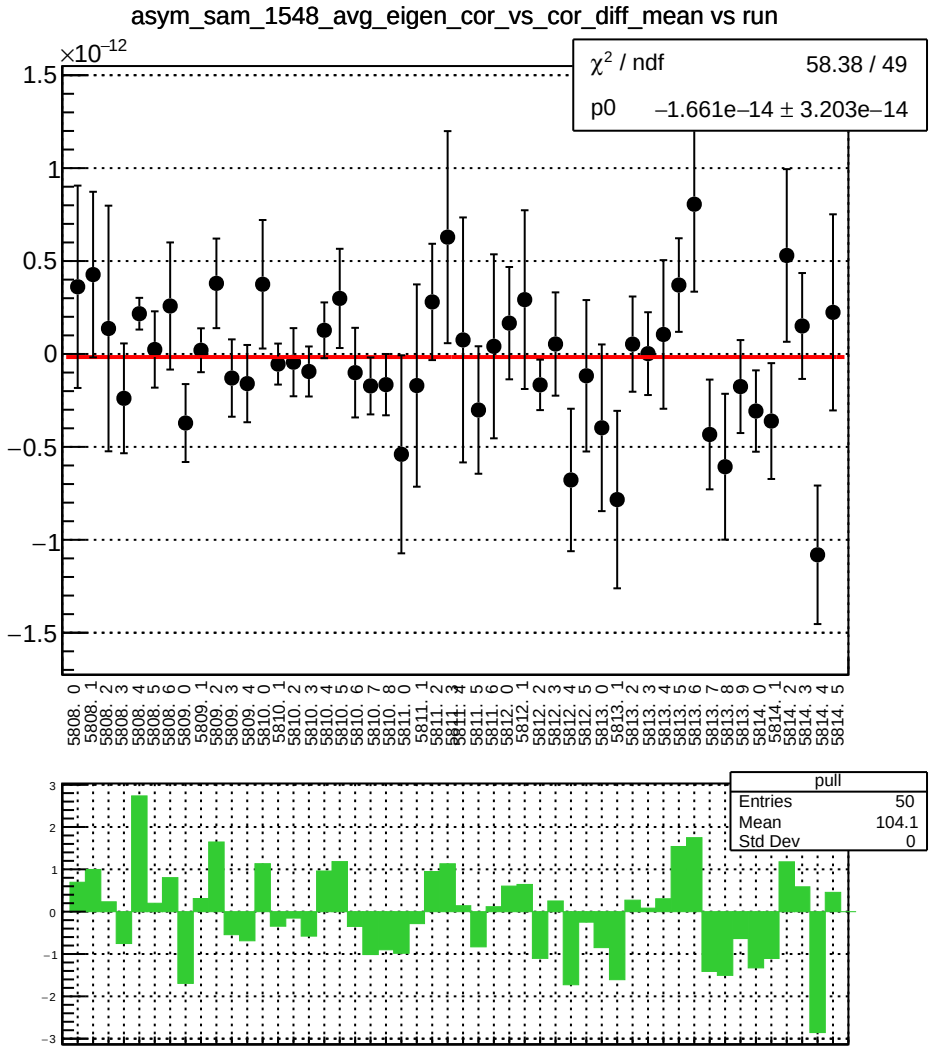

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.41 / 49
p0 −0.02603 ± 0.02667
pull
Entries 50
Mean 32.81
Std Dev 9.893

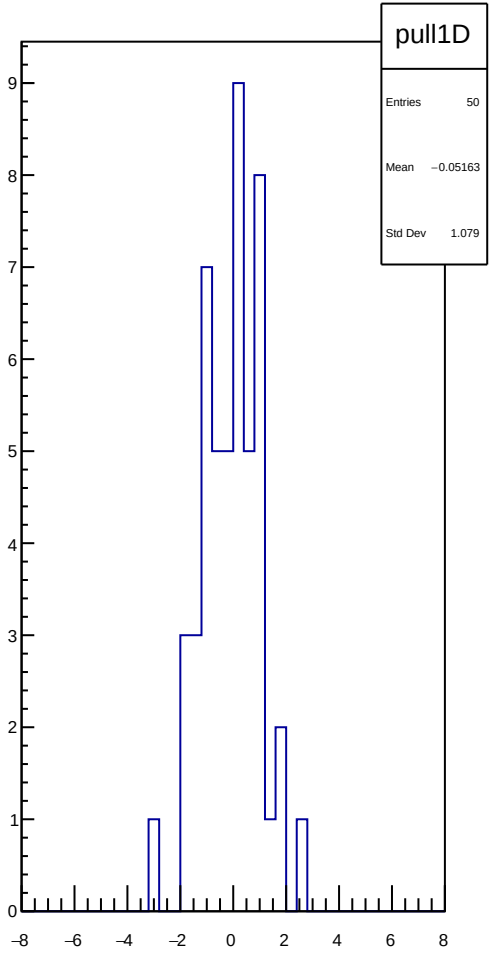

pull1D
Entries 50
Mean −0.02488
Std Dev 0.9938

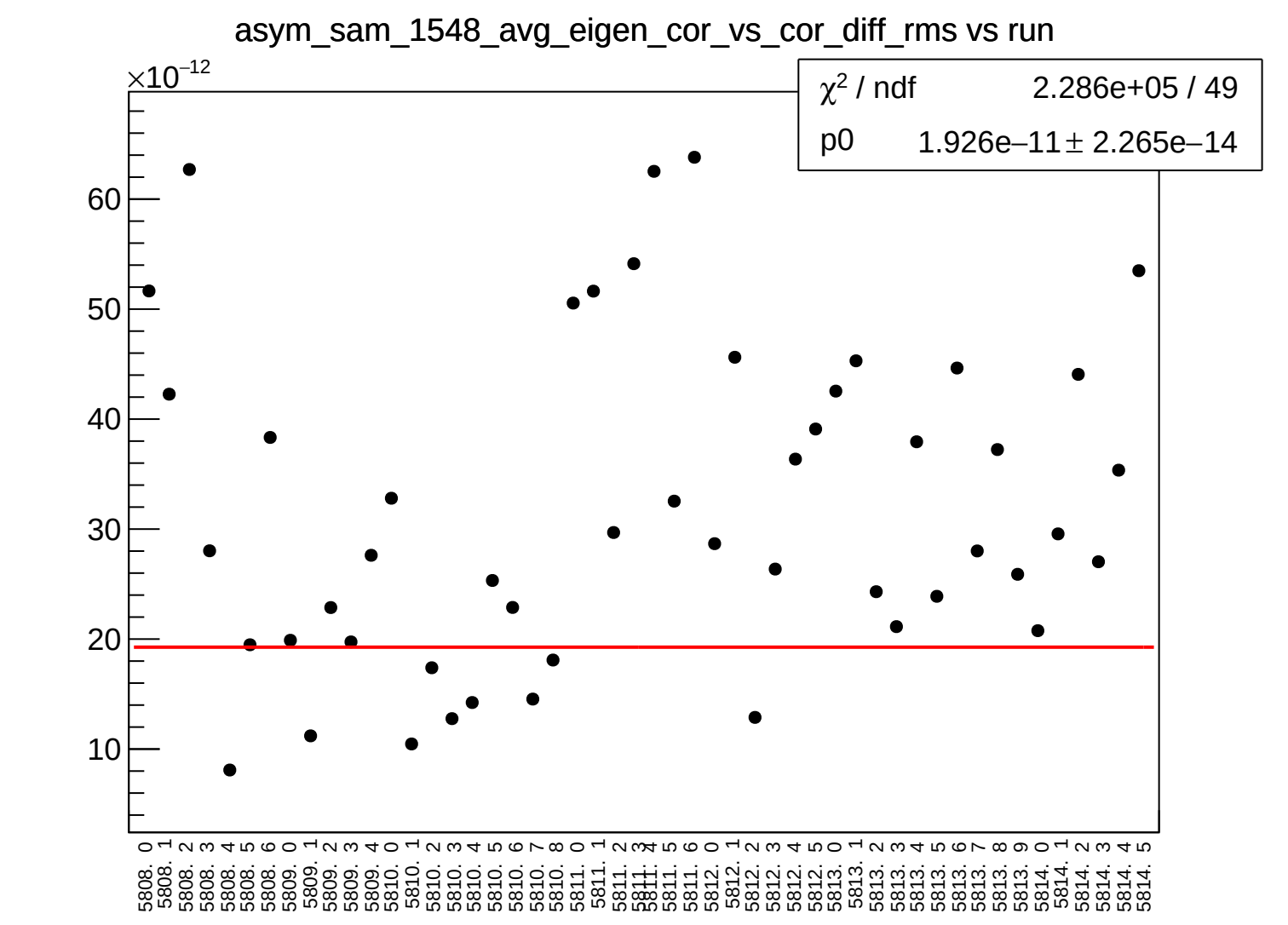

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.845e+04 / 49
p0 17.42 ± 0.01886
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

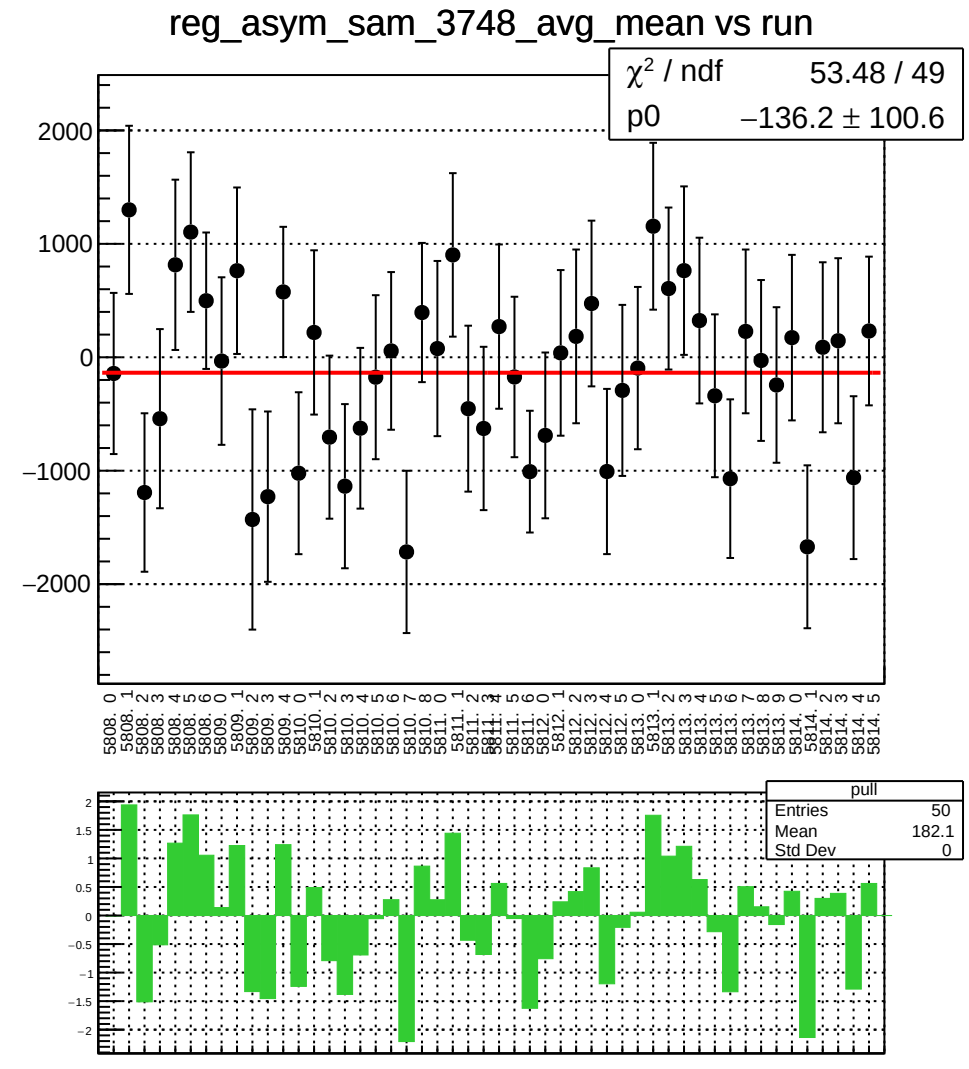

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.41 / 49
p0 −0.02603 ± 0.02667
pull
Entries 50
Mean 32.81
Std Dev 9.893
pull1D
Entries 50
Mean −0.02488
Std Dev 0.9938

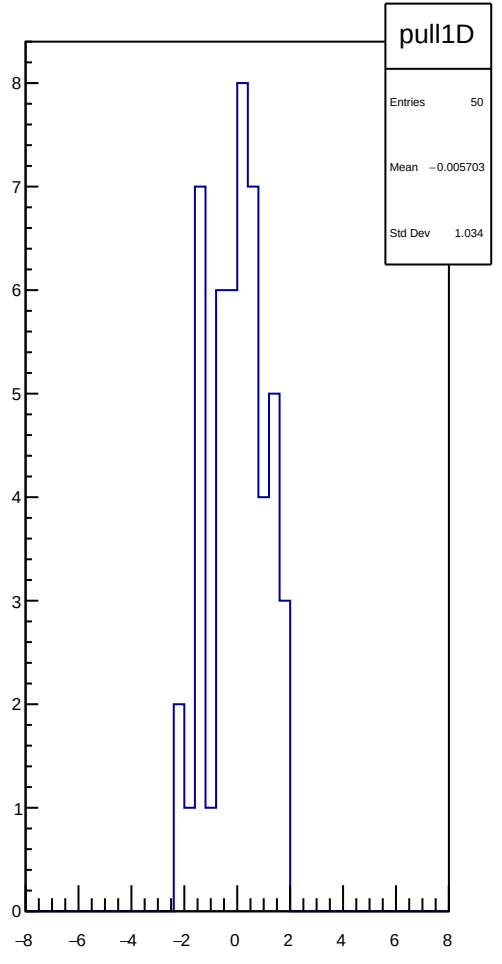

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.845e+04 / 49
p0 17.42 ± 0.01886
100
80
60
40
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

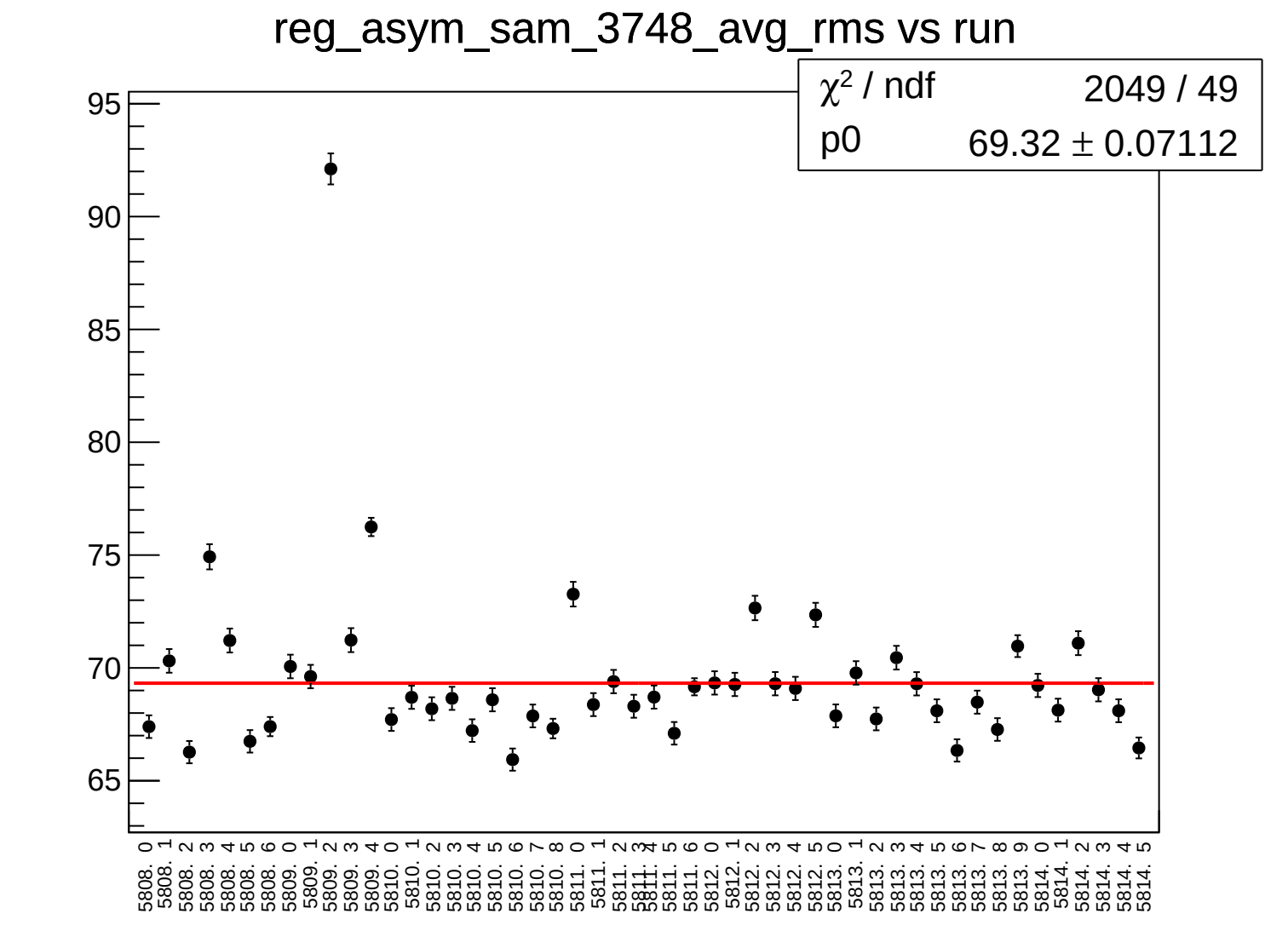

asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 58.38 / 49
p0 −1.661e−14 ± 3.203e−14
pull
Entries 50
Mean 104.1
Std Dev 0


pull1D
Entries 50
Mean −0.05163
Std Dev 1.079


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.286e+05 / 49
p0 1.926e−11 ± 2.265e−14
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_3748_avg_mean vs run
χ² / ndf 53.48 / 49
p0 −136.2 ± 100.6
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 182.1
Std Dev 0


pull1D
Entries 50
Mean −0.005703
Std Dev 1.034


reg_asym_sam_3748_avg_rms vs run
χ² / ndf 2049 / 49
p0 69.32 ± 0.07112
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
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5814. 1
5814. 2
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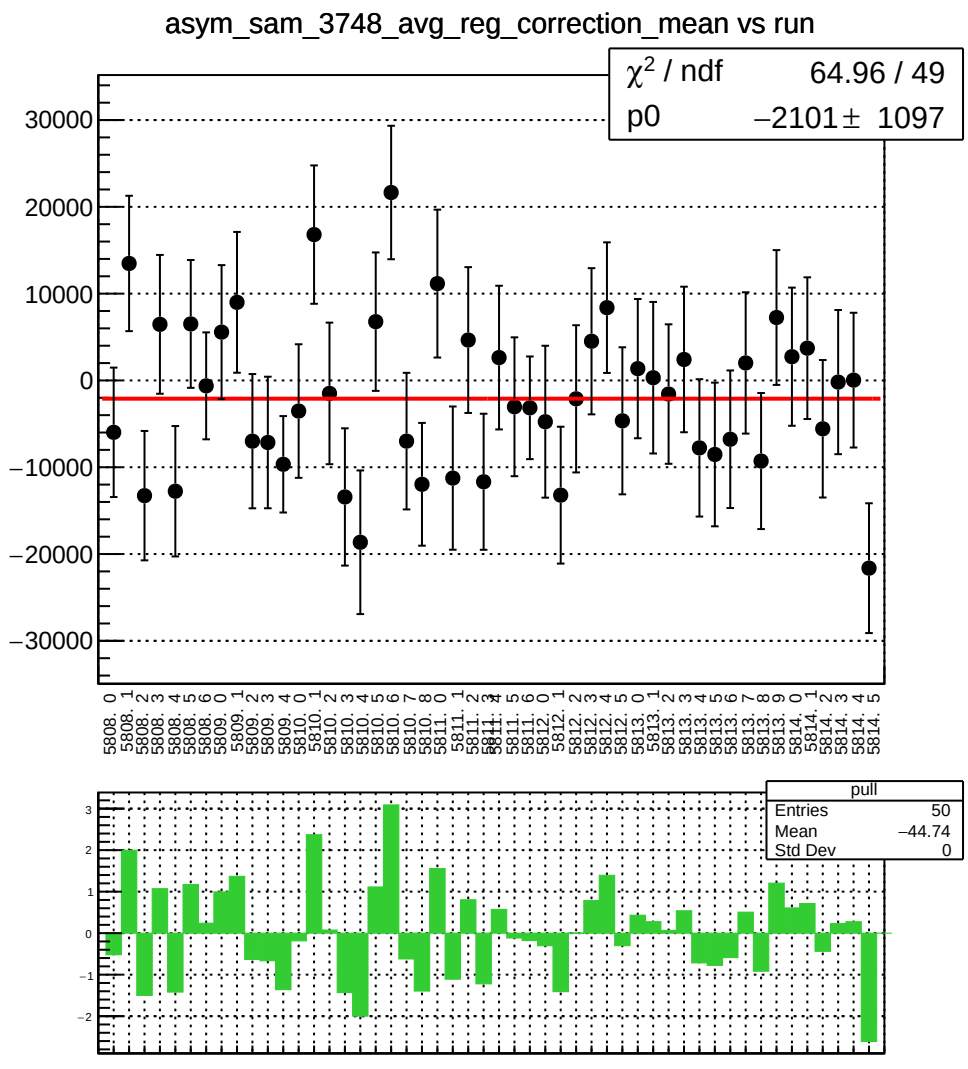
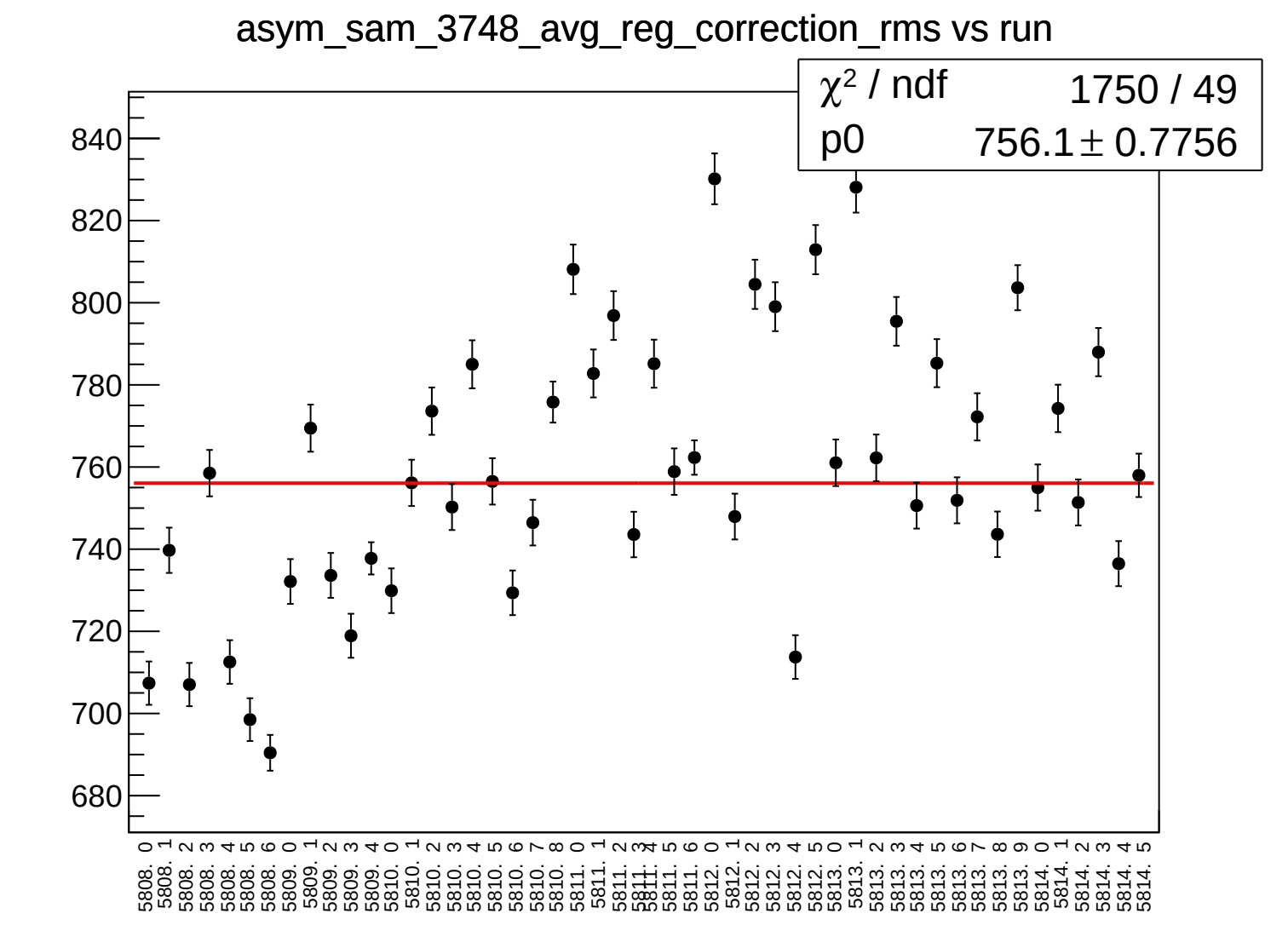
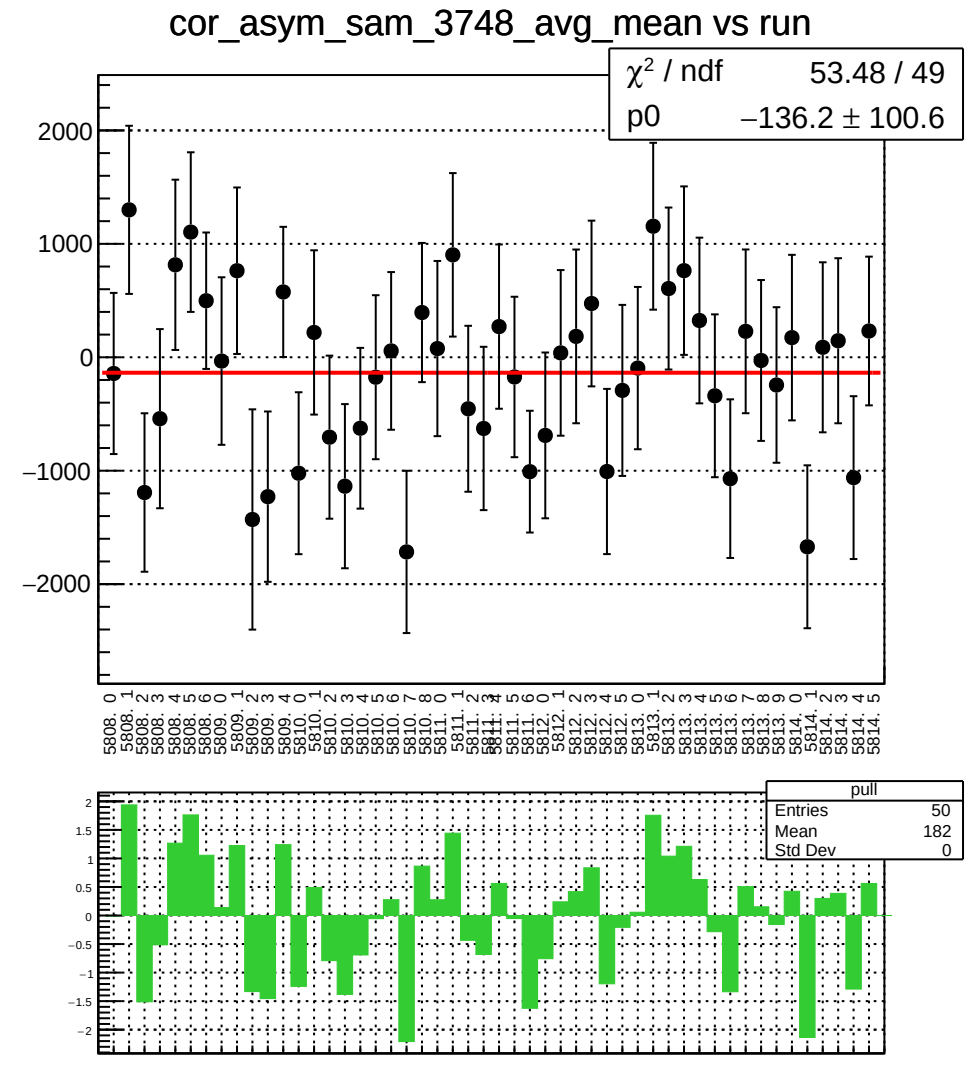
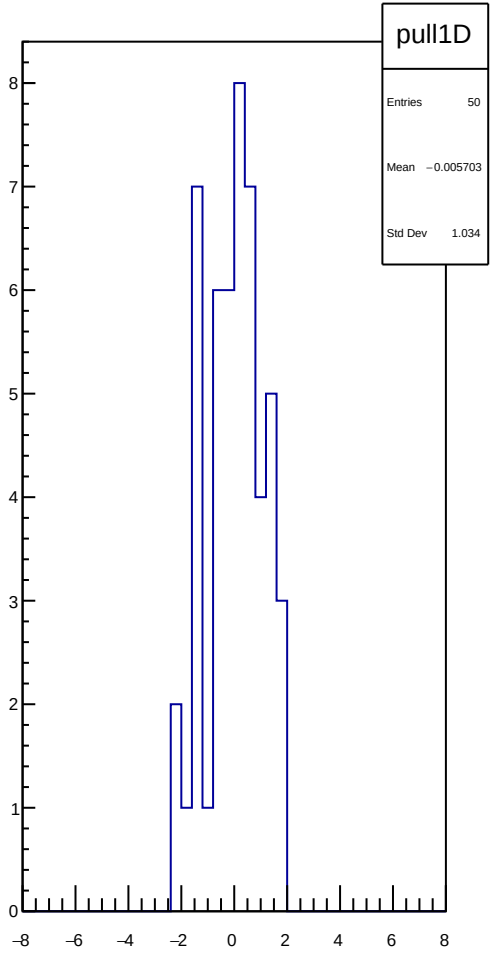
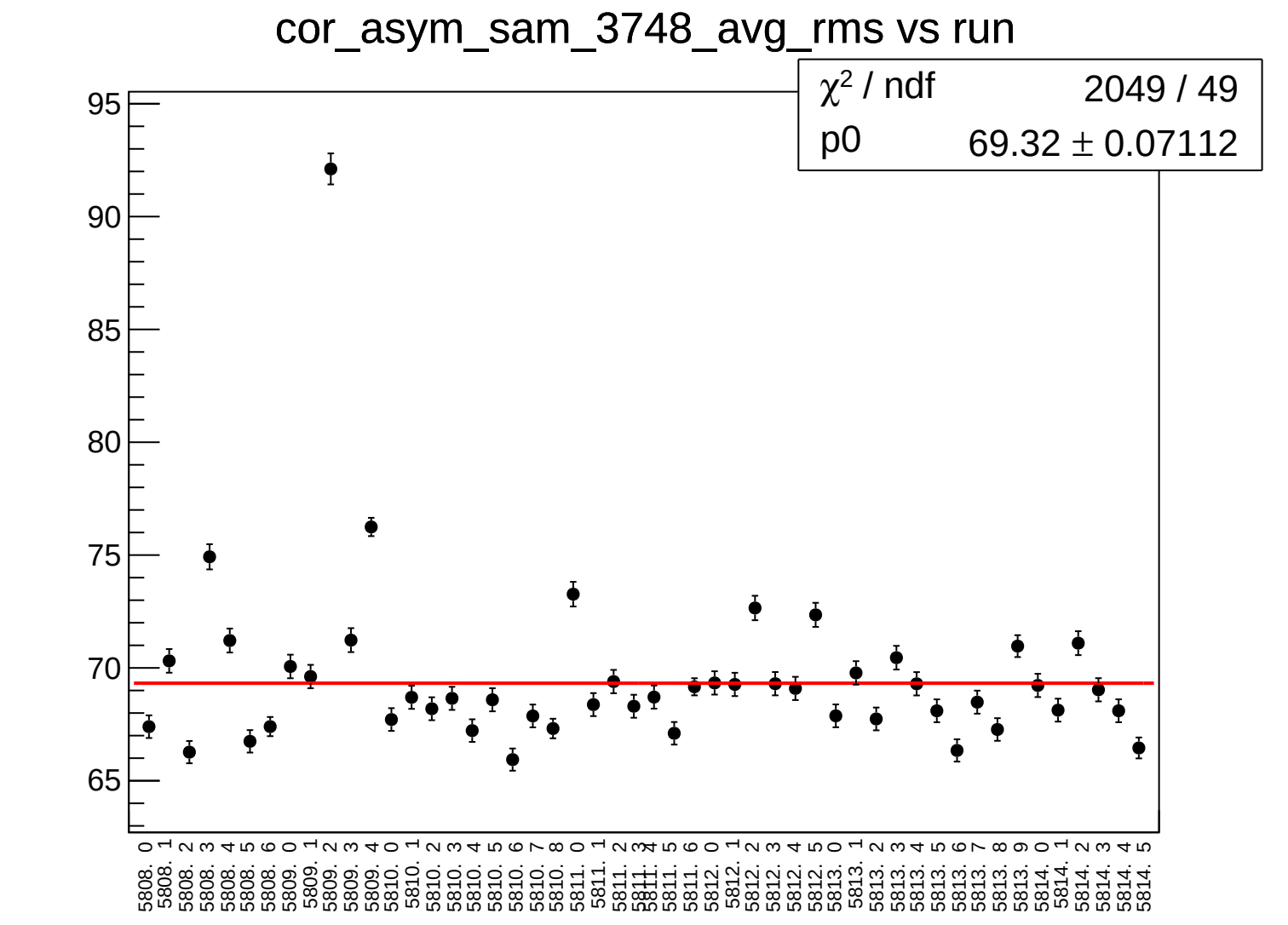
5814. 4
5814. 5

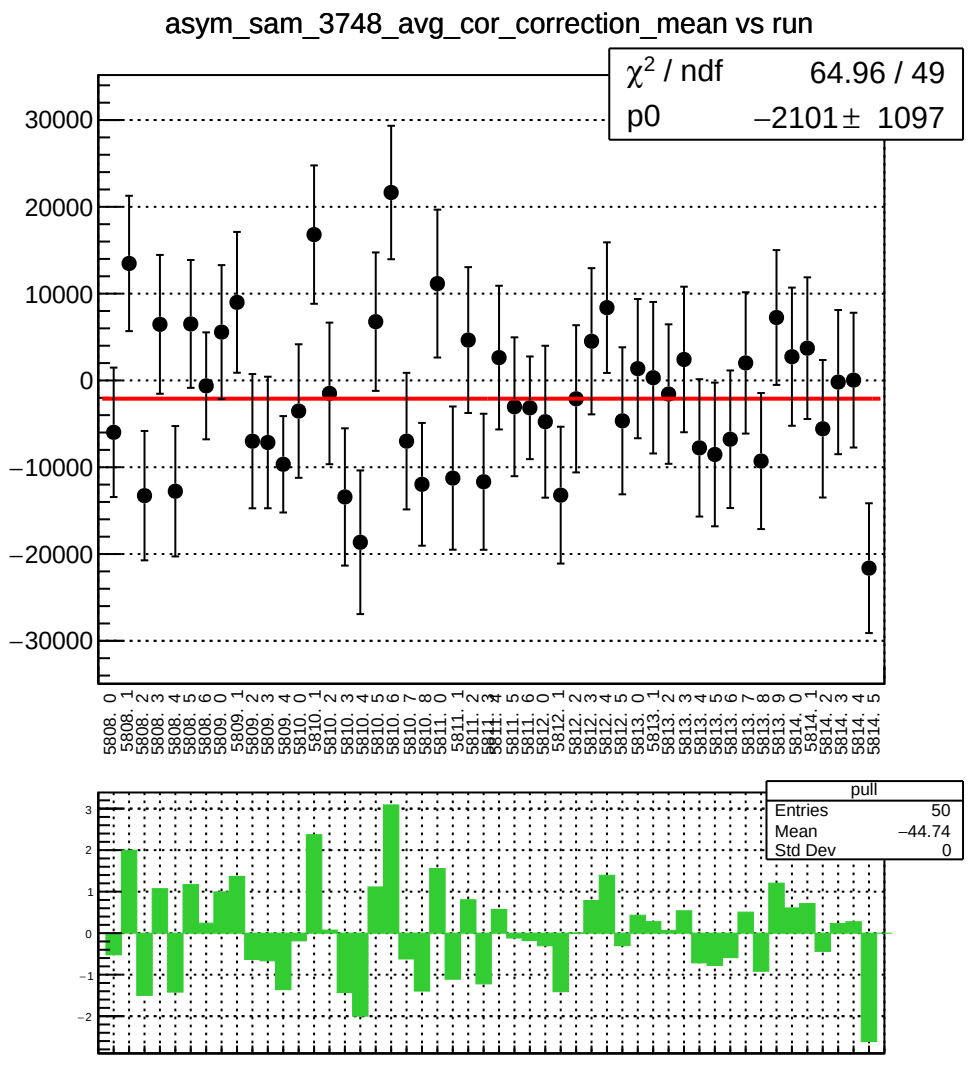

asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 64.96 / 49
p0 −2101 ± 1097
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −44.74
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02064
Std Dev 1.14
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

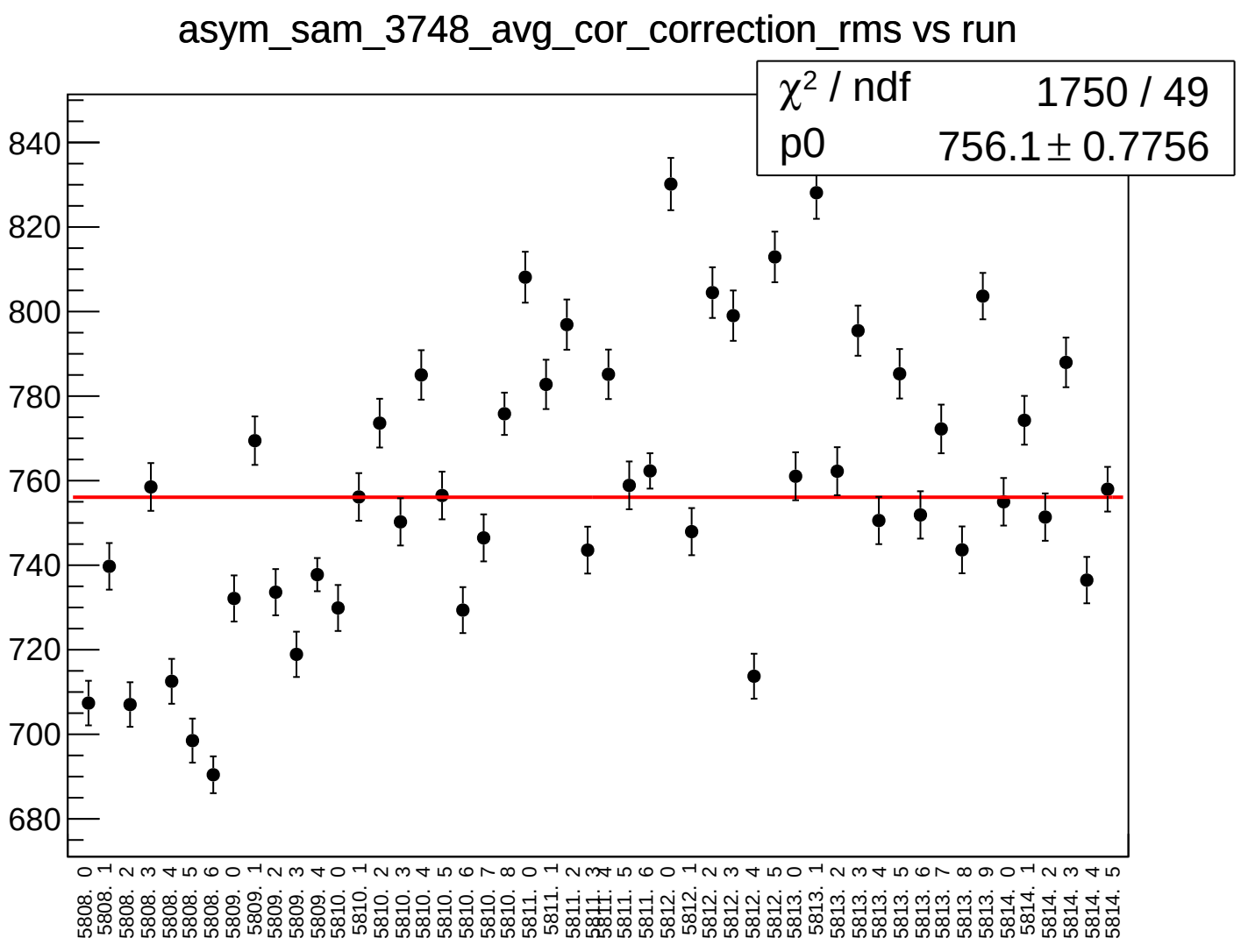

asym_sam_3748_avg_reg_correction_rms vs run
χ² / ndf 1750 / 49
p0 756.1 ± 0.7756
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

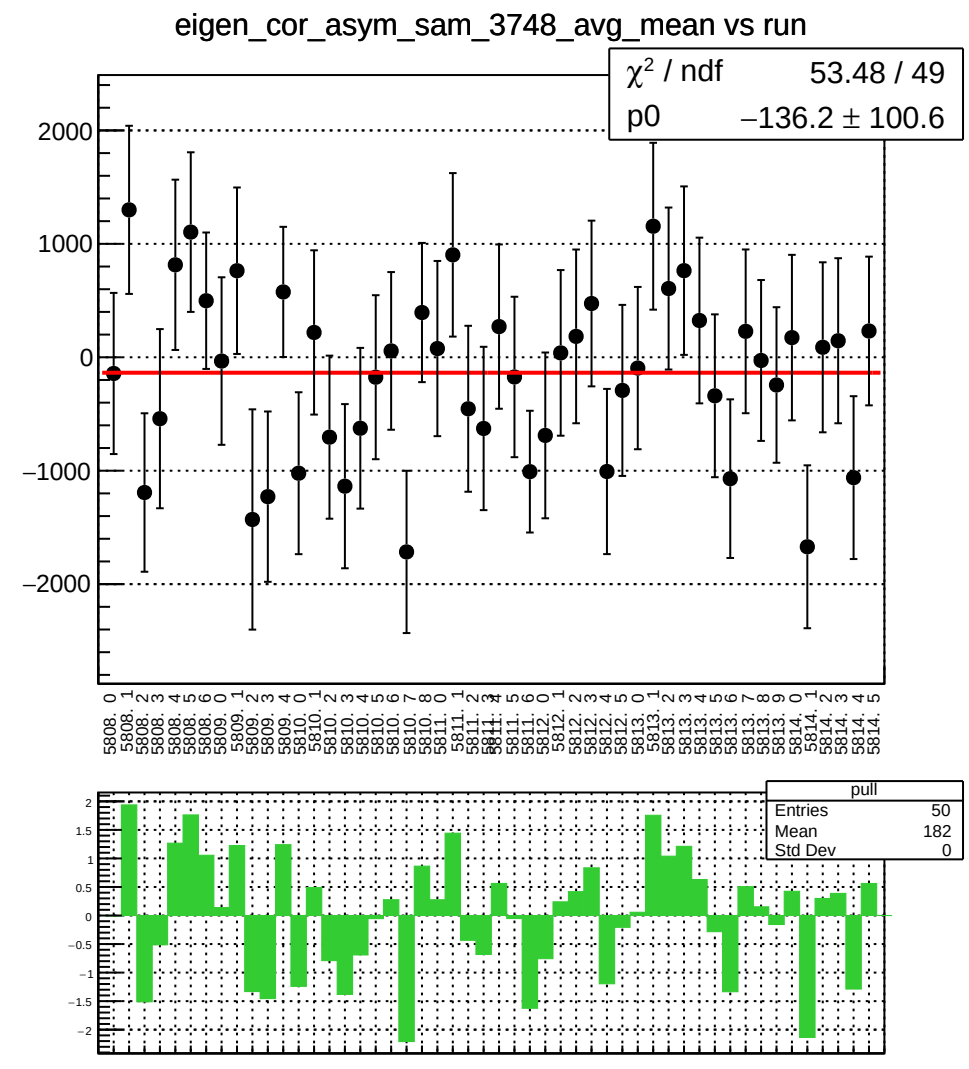

cor_asym_sam_3748_avg_mean vs run
χ² / ndf 53.48 / 49
p0 −136.2 ± 100.6
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 182
Std Dev 0

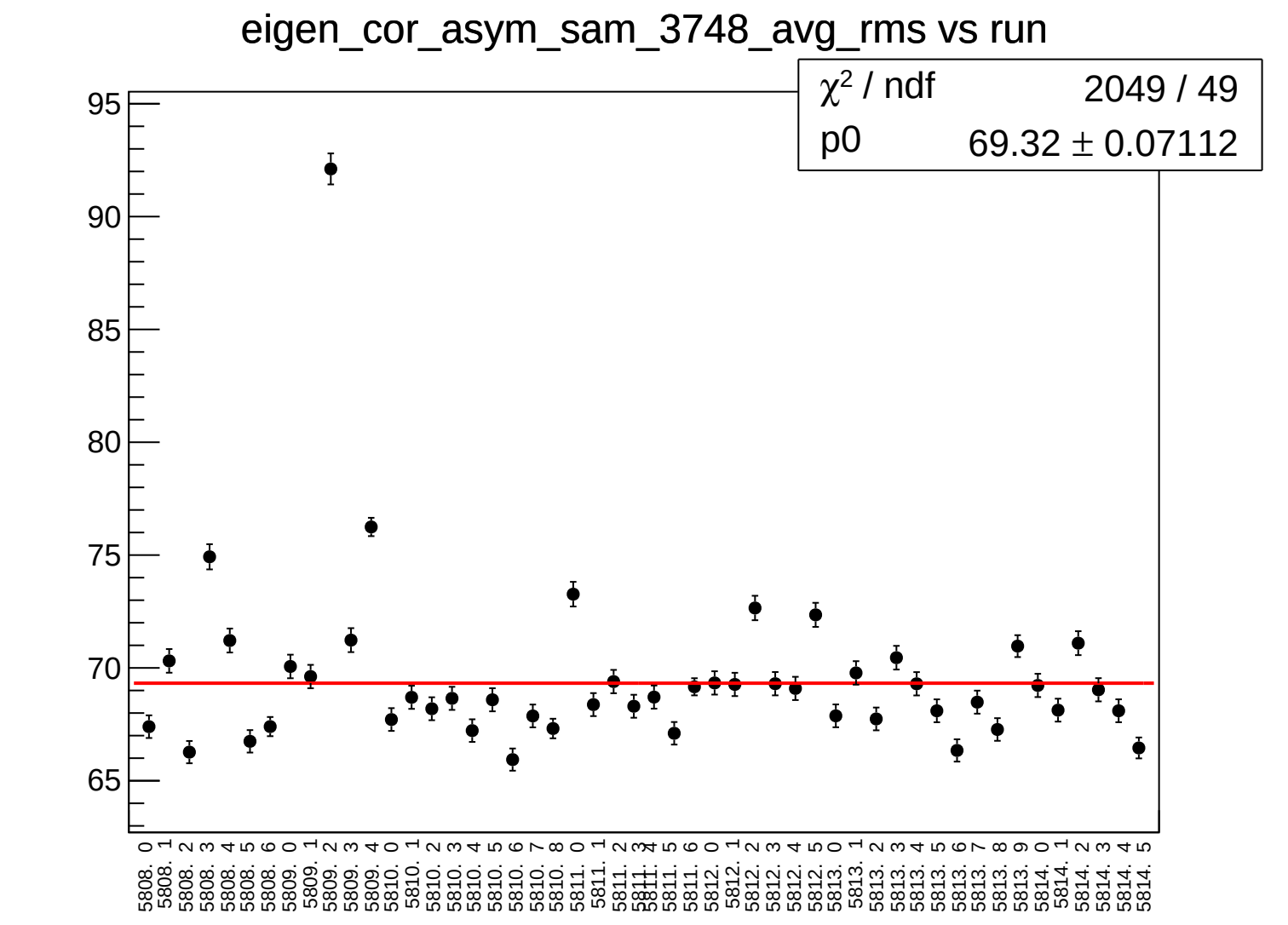

pull1D
Entries 50
Mean −0.005703
Std Dev 1.034

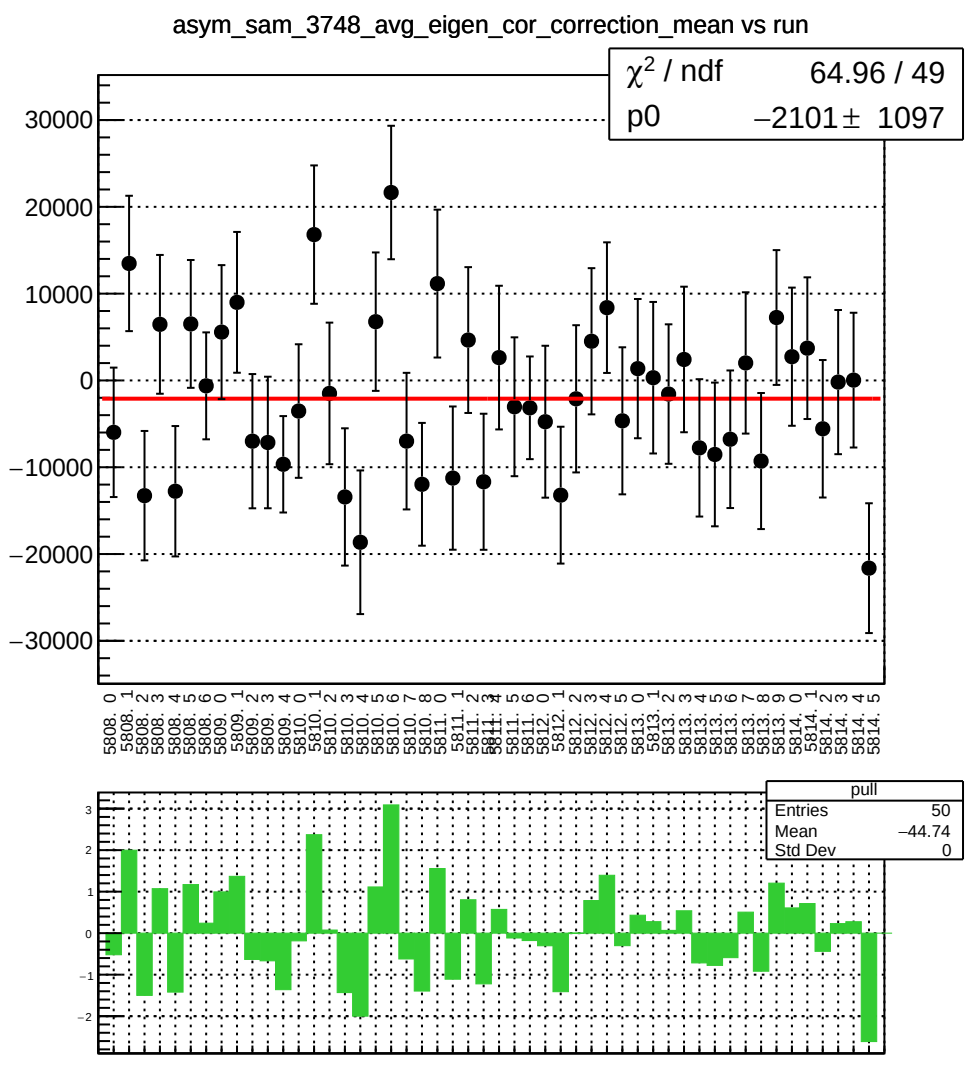

cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2049 / 49
p0 69.32 ± 0.07112
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

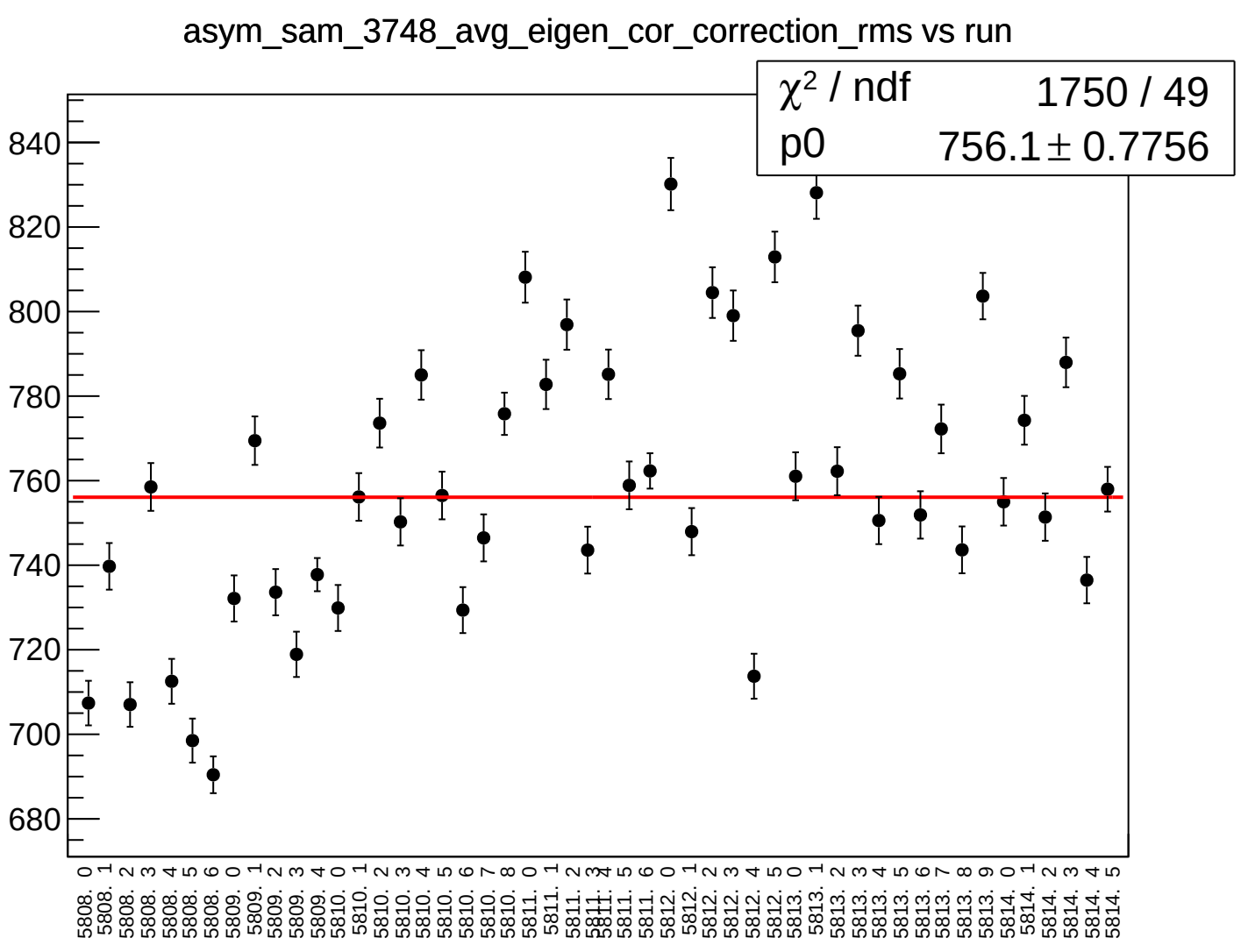

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 64.96 / 49
p0 −2101 ± 1097
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −44.74
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02064
Std Dev 1.14
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

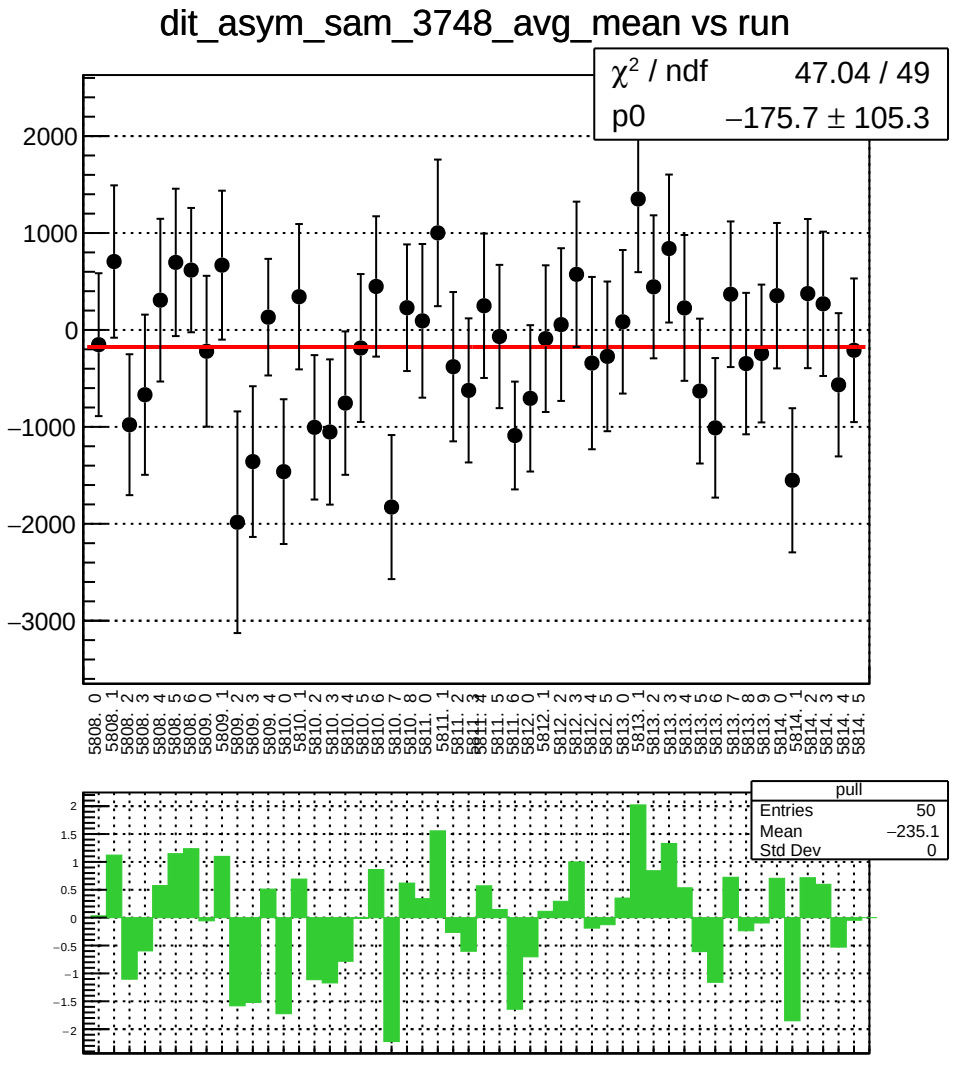

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1750 / 49
p0 756.1 ± 0.7756
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

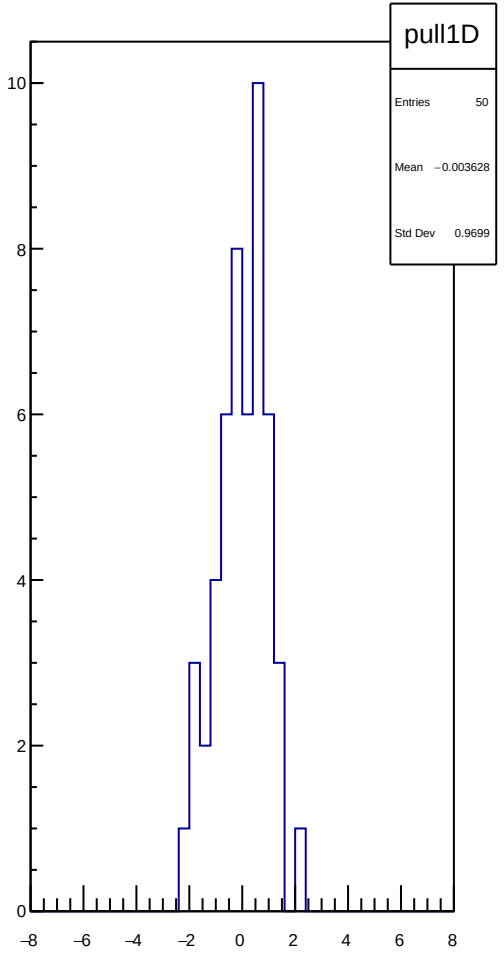

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 53.48 / 49
p0 −136.2 ± 100.6
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 182
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.005703
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

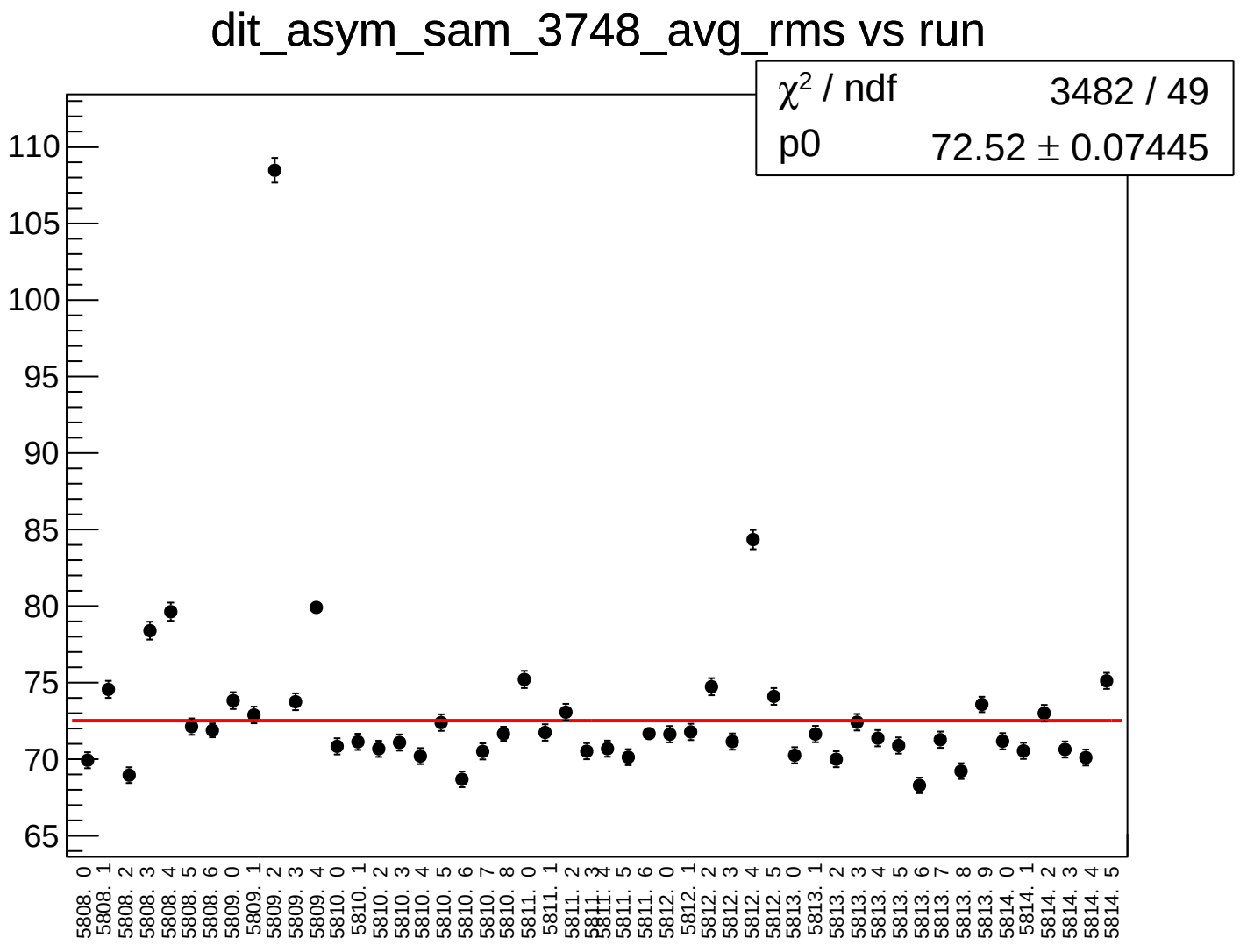

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 2049 / 49
p0 69.32 ± 0.07112
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

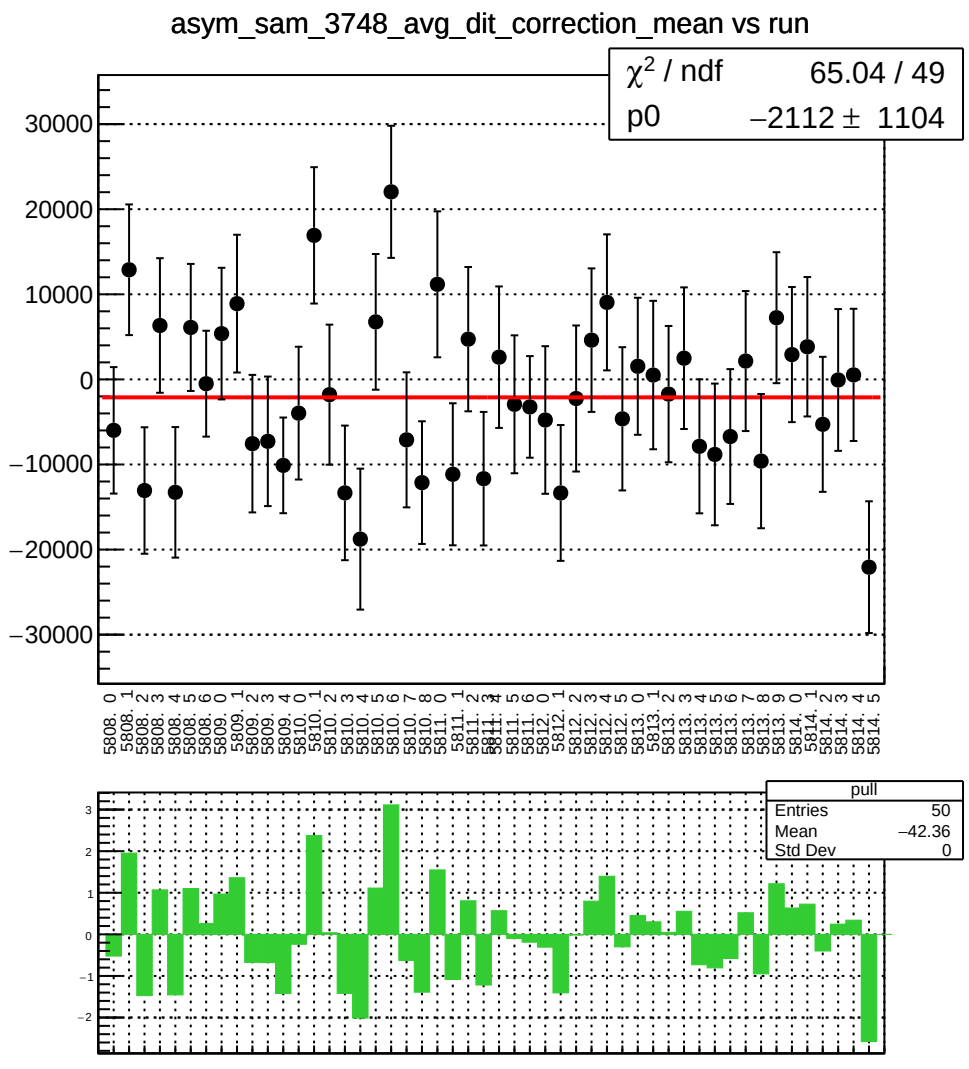

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 64.96 / 49
p0 −2101 ± 1097
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −44.74
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.02064
Std Dev 1.14
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

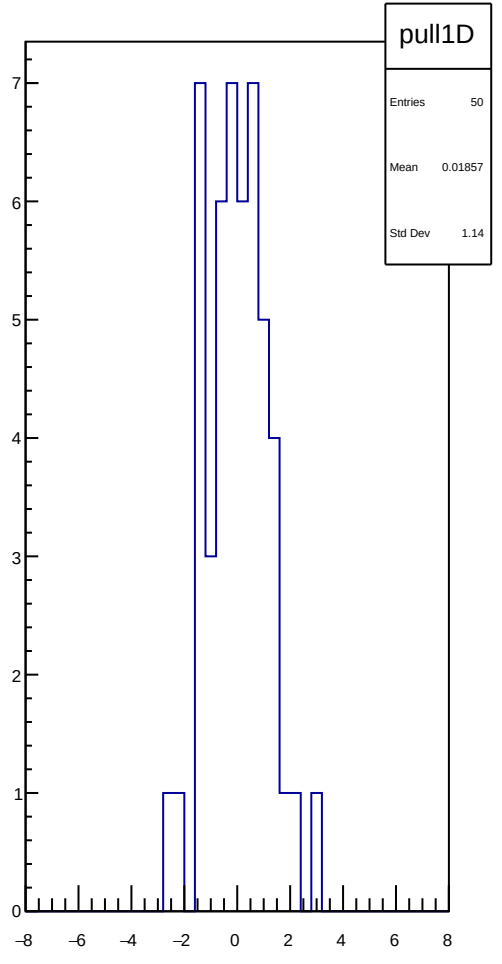

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1750 / 49
p0 756.1 ± 0.7756
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

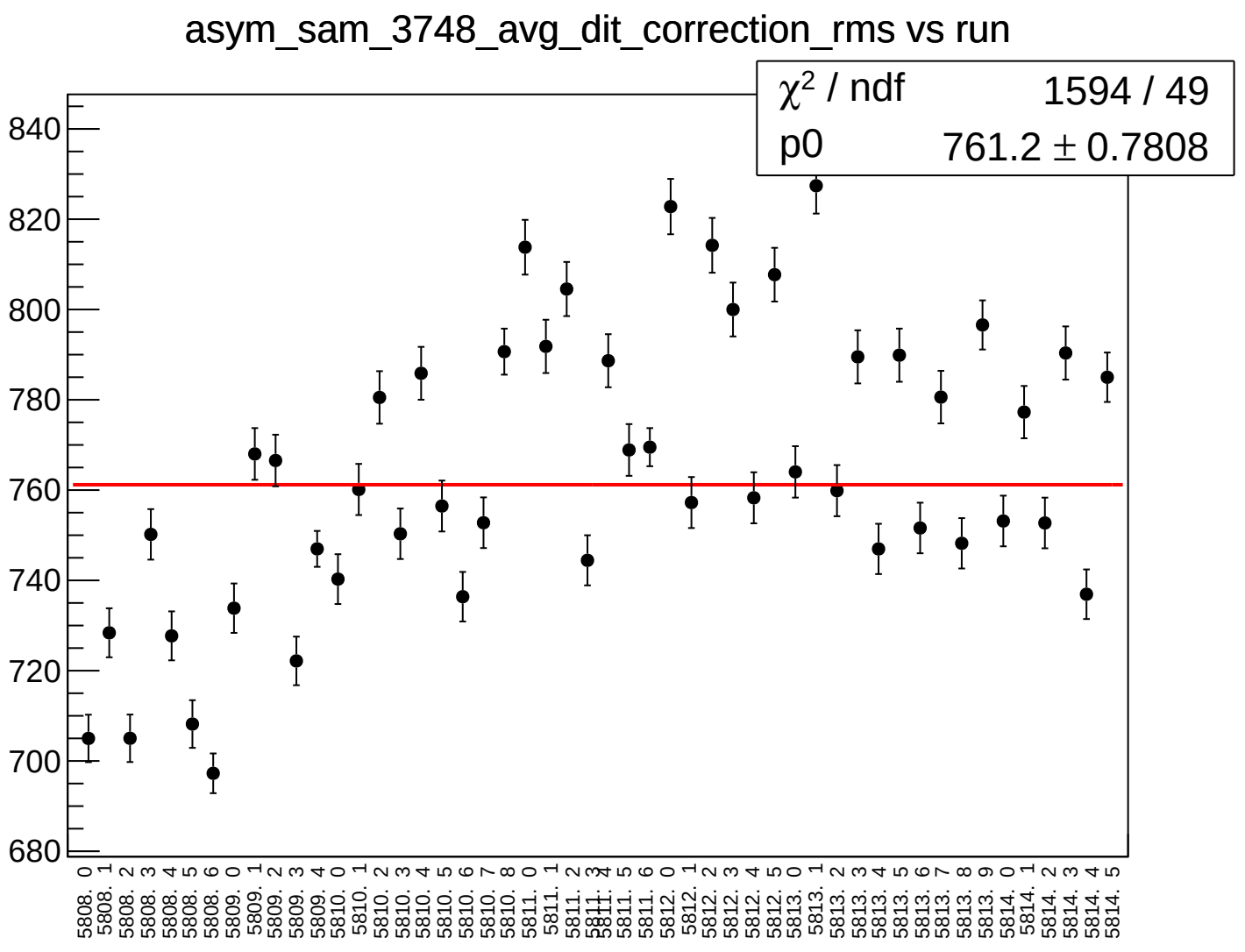

dit_asym_sam_3748_avg_mean vs run
χ² / ndf 47.04 / 49
p0 −175.7 ± 105.3
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean −235.1
Std Dev 0

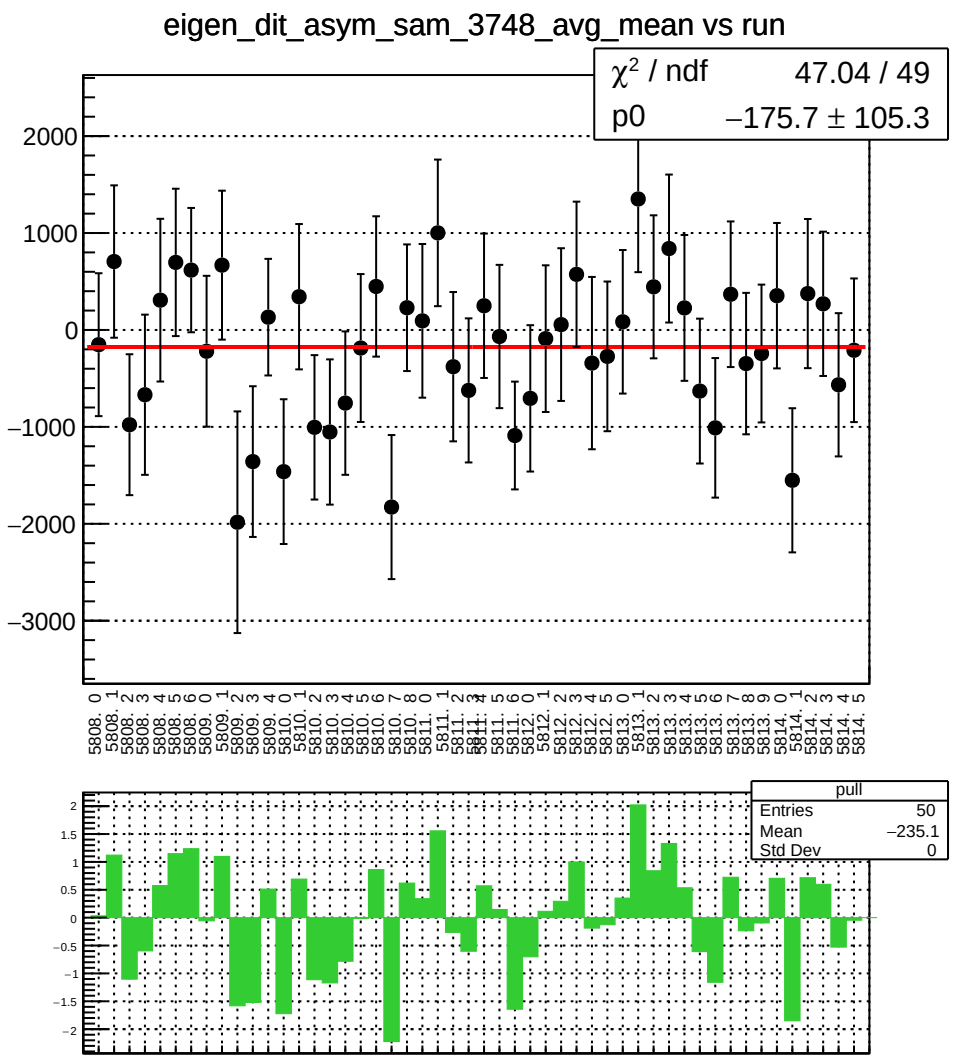

pull1D
Entries 50
Mean −0.003628
Std Dev 0.9699
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

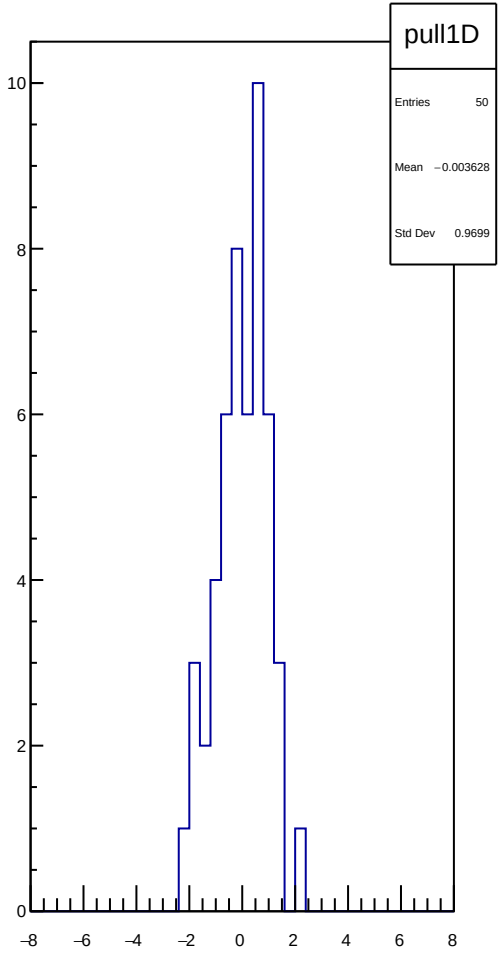

dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3482 / 49
p0 72.52 ± 0.07445
110
105
100
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

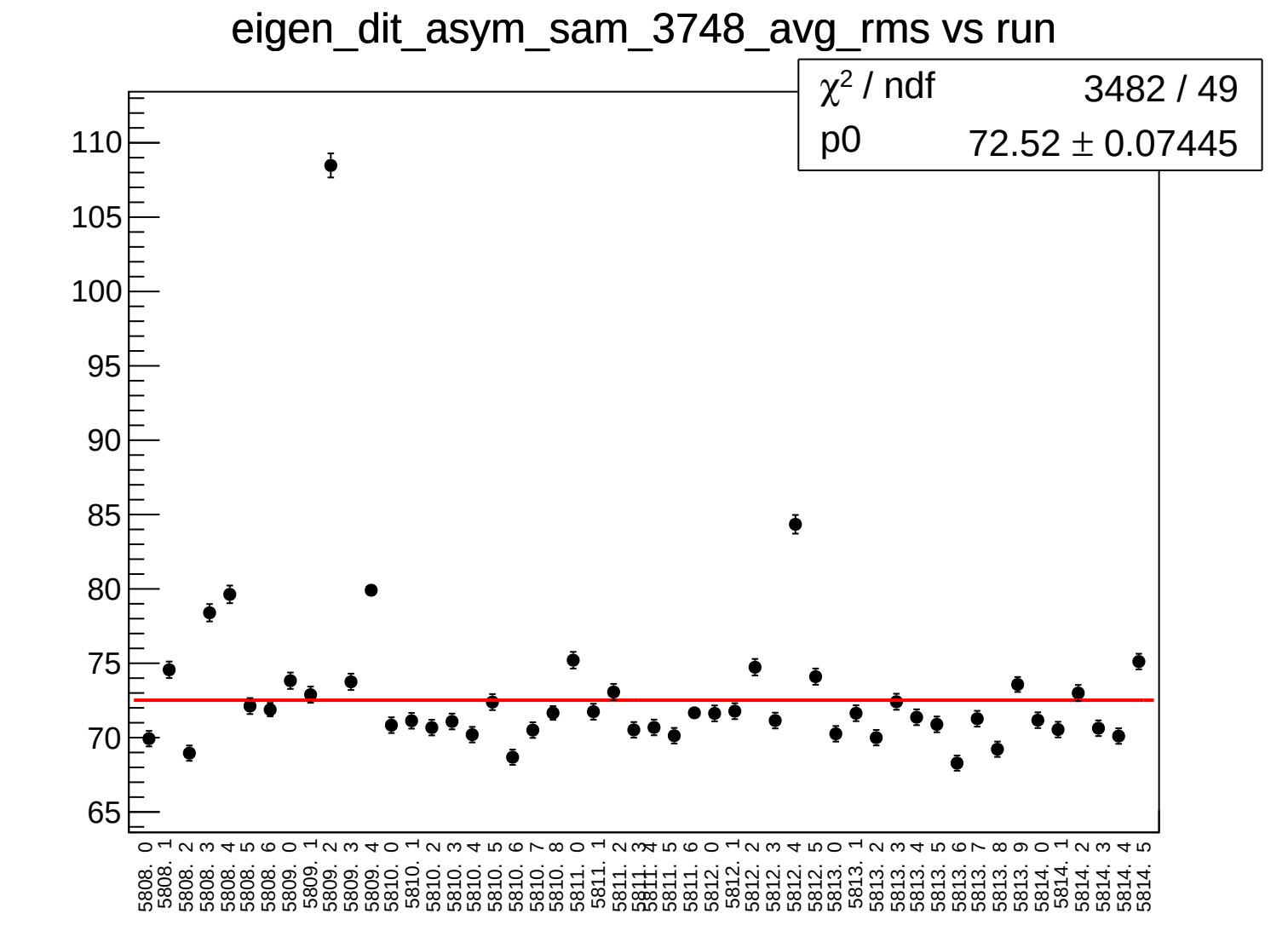

asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 65.04 / 49
p0 −2112 ± 1104
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean −42.36
Std Dev 0
3
2
1
0
−1
−2

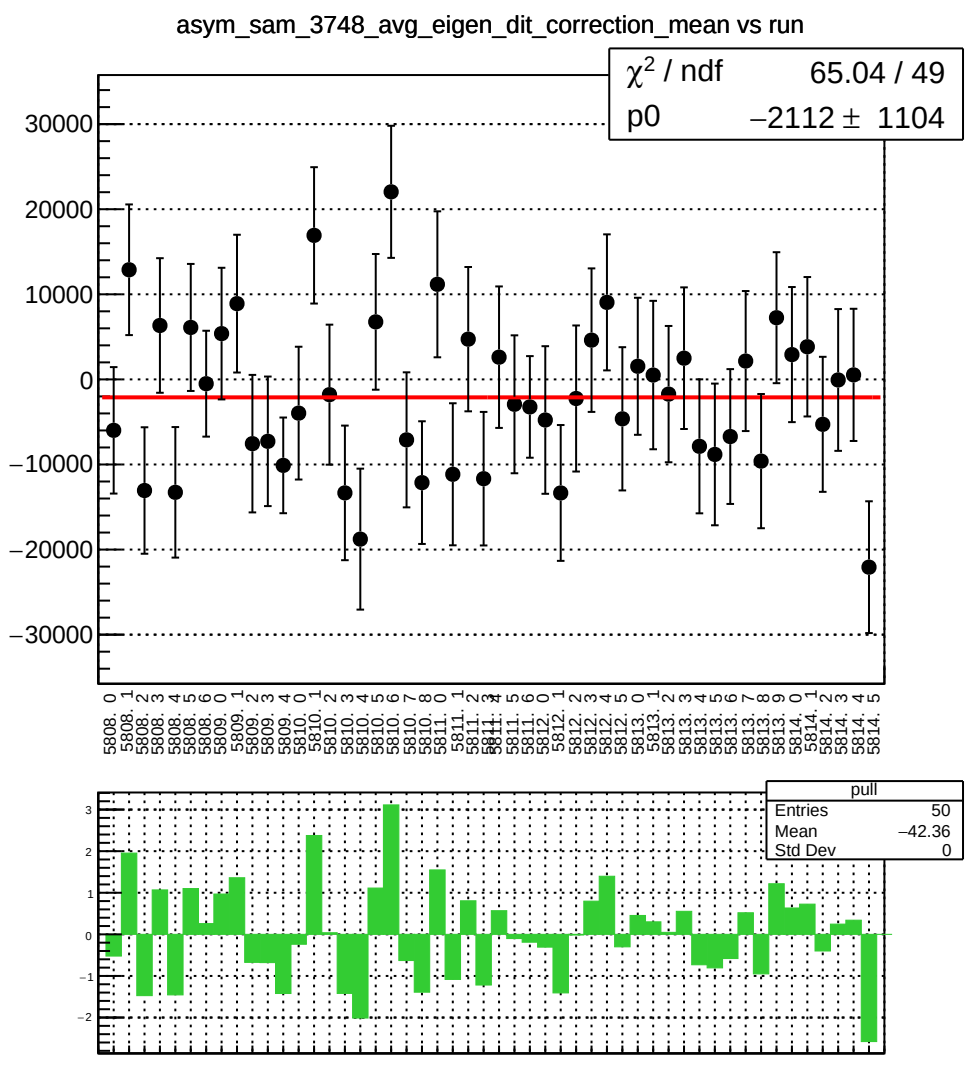

pull1D
Entries 50
Mean 0.01857
Std Dev 1.14
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

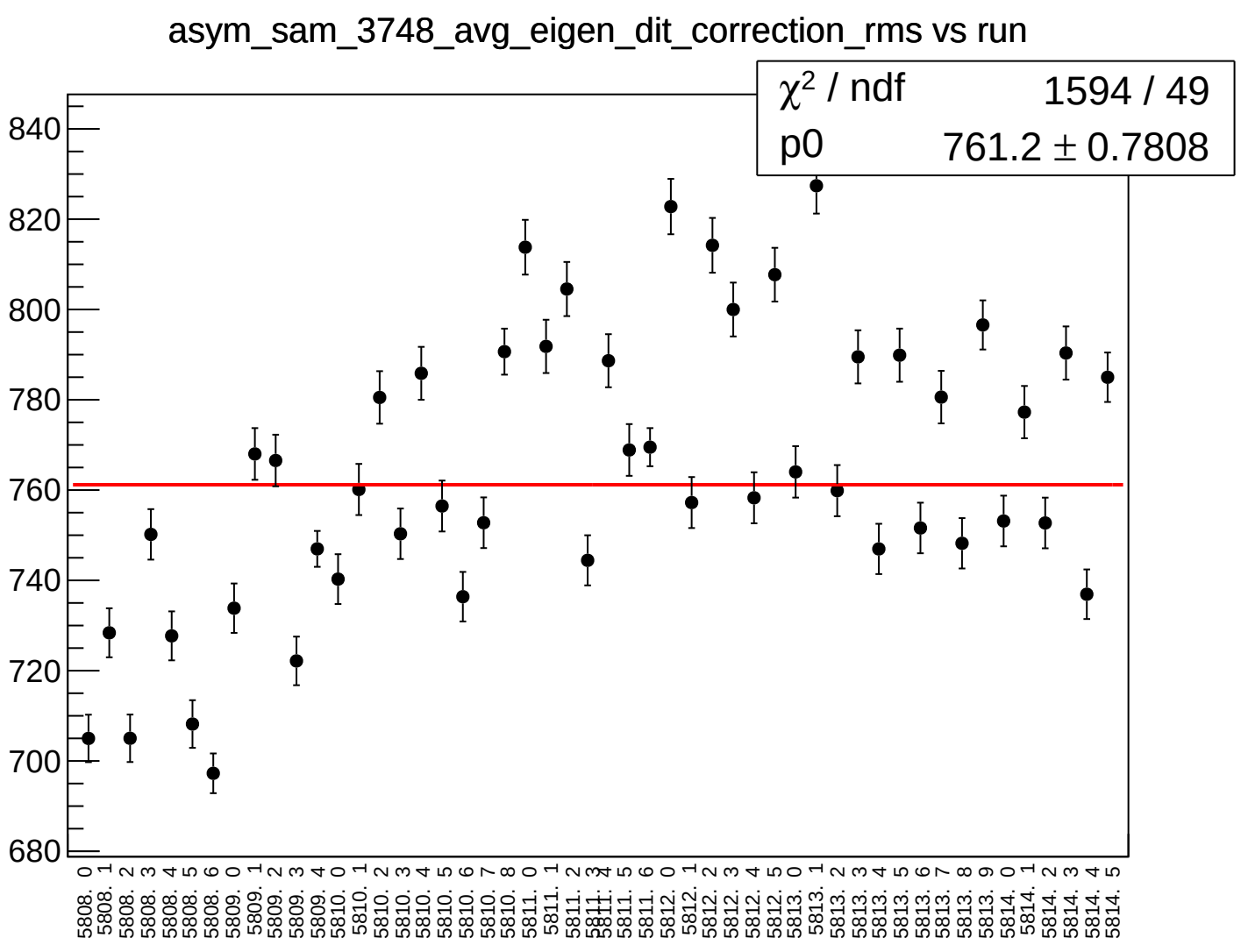

asym_sam_3748_avg_dit_correction_rms vs run
χ² / ndf 1594 / 49
p0 761.2 ± 0.7808
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

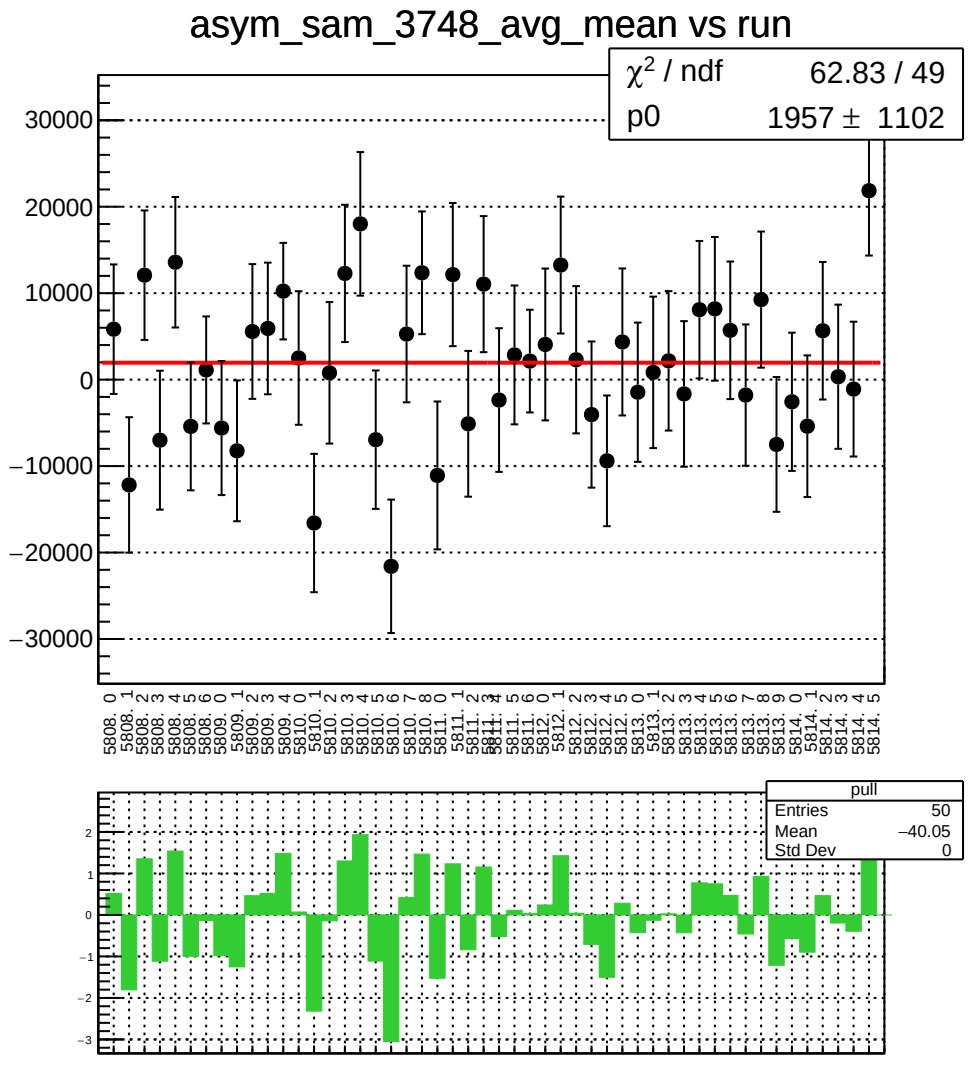

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 47.04 / 49
p0 −175.7 ± 105.3
2000
1000
0
−1000
−2000
−3000
pull
Entries 50
Mean −235.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

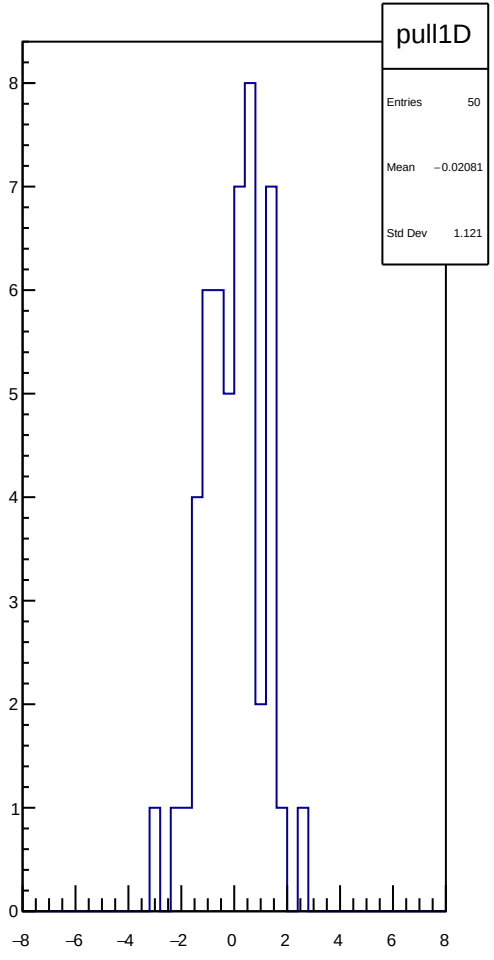

pull1D
Entries 50
Mean −0.003628
Std Dev 0.9699
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

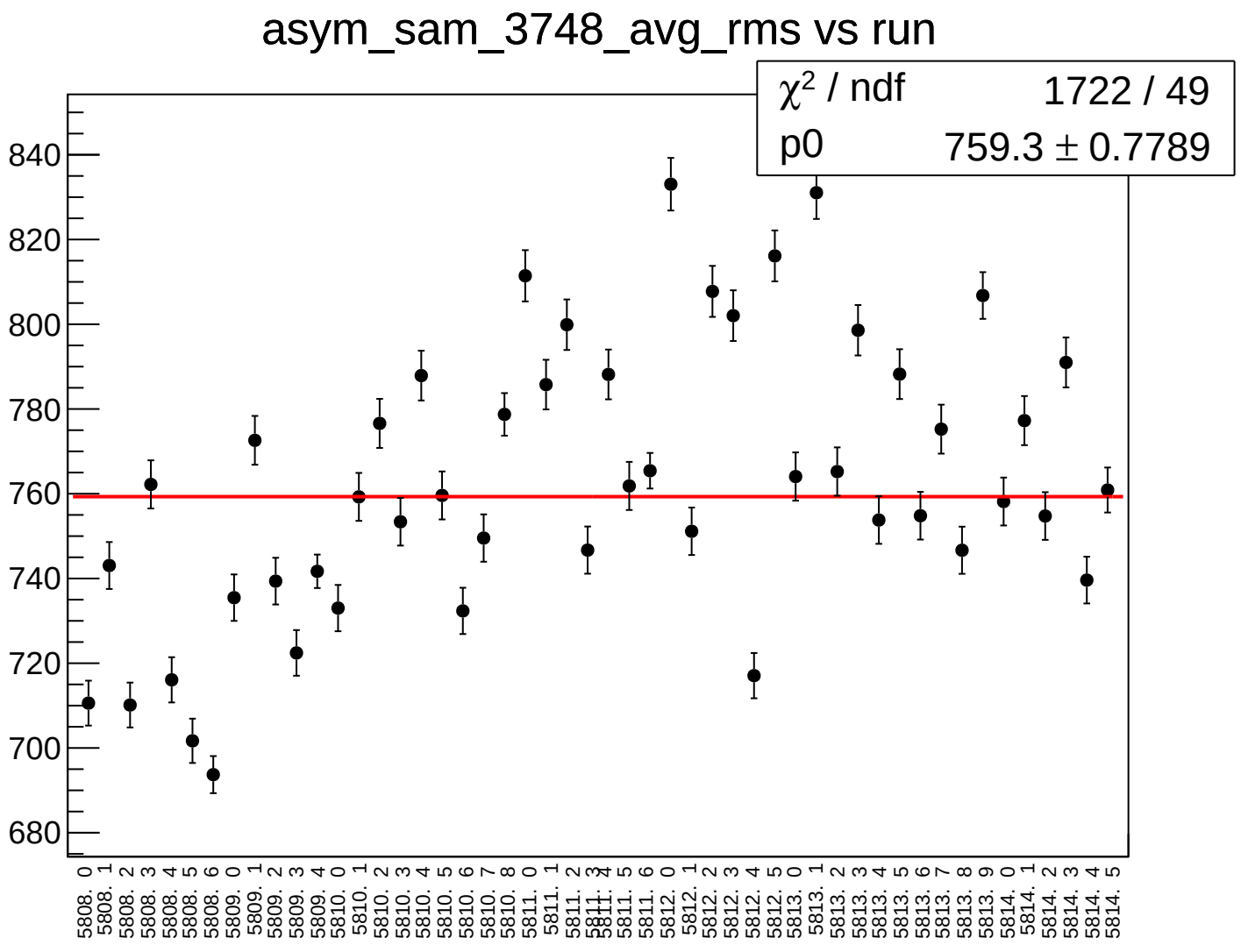

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 3482 / 49
p0 72.52 ± 0.07445
110
105
100
95
90
85
80
75
70
65
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 65.04 / 49
p0 −2112 ± 1104
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −42.36
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01857
Std Dev 1.14
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1594 / 49
p0 761.2 ± 0.7808
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_3748_avg_mean vs run
χ² / ndf 62.83 / 49
p0 1957 ± 1102
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −40.05
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.02081
Std Dev 1.121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3748_avg_rms vs run
χ² / ndf 1722 / 49
p0 759.3 ± 0.7789
840
820
800
780
760
740
720
700
680
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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5814. 2
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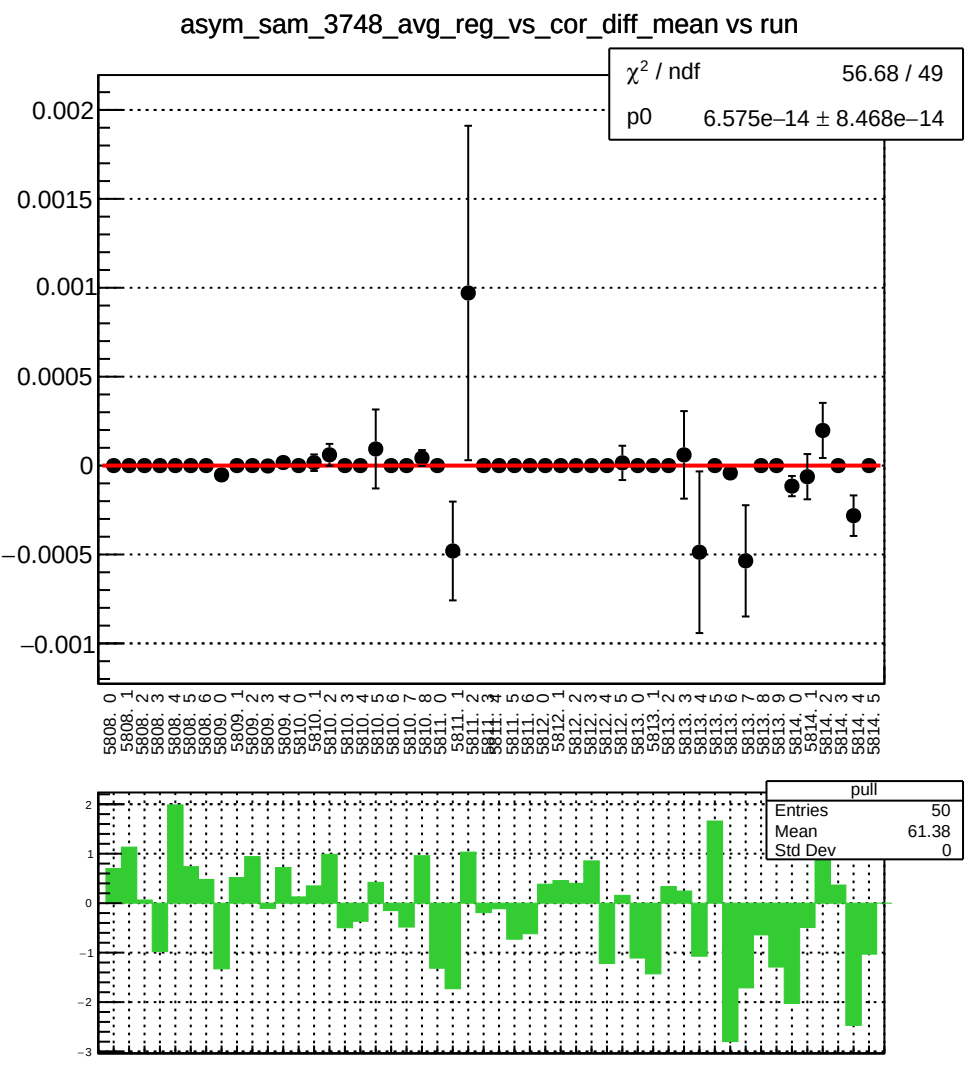
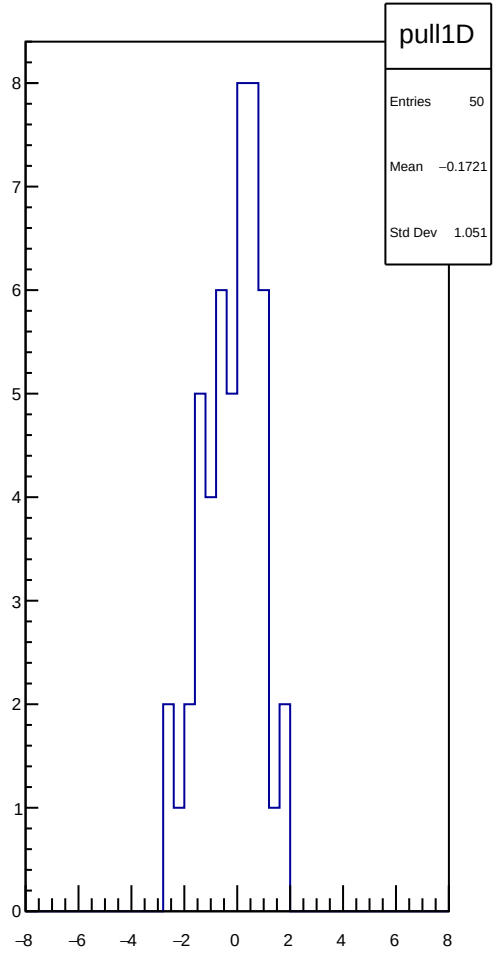
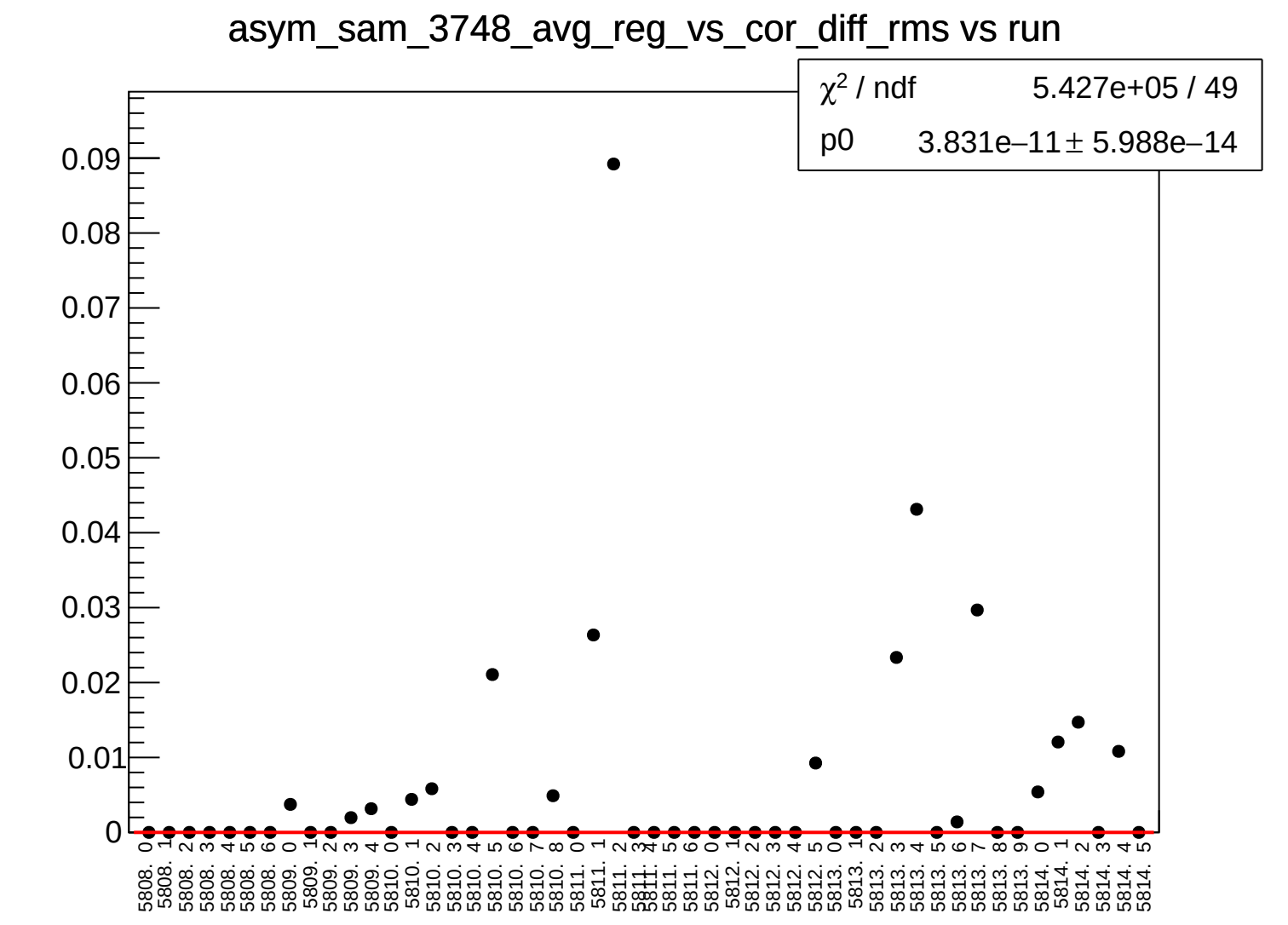
5814. 5


asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 56.68 / 49
p0 6.575e−14 ± 8.468e−14
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
pull
Entries 50
Mean 61.38
Std Dev 0


pull1D
Entries 50
Mean −0.1721
Std Dev 1.051


asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.427e+05 / 49
p0 3.831e−11 ± 5.988e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5813. 9
5814. 0
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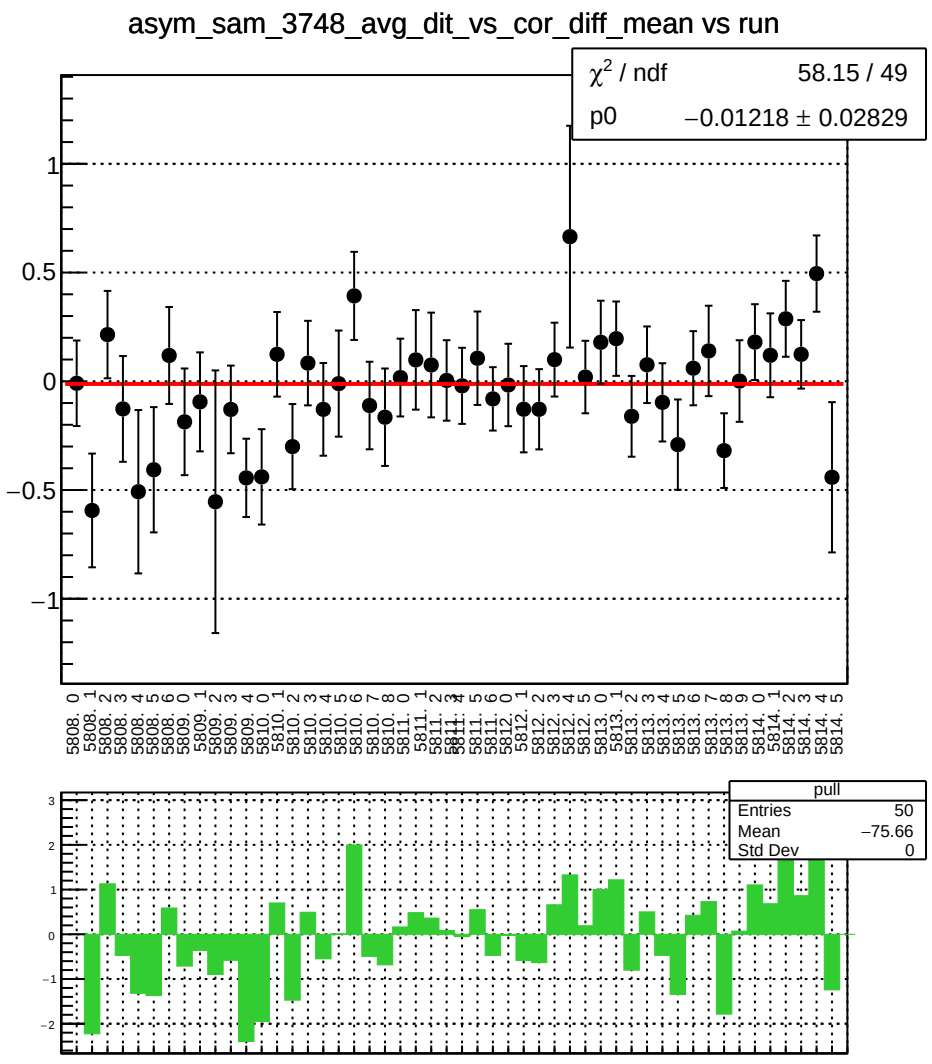
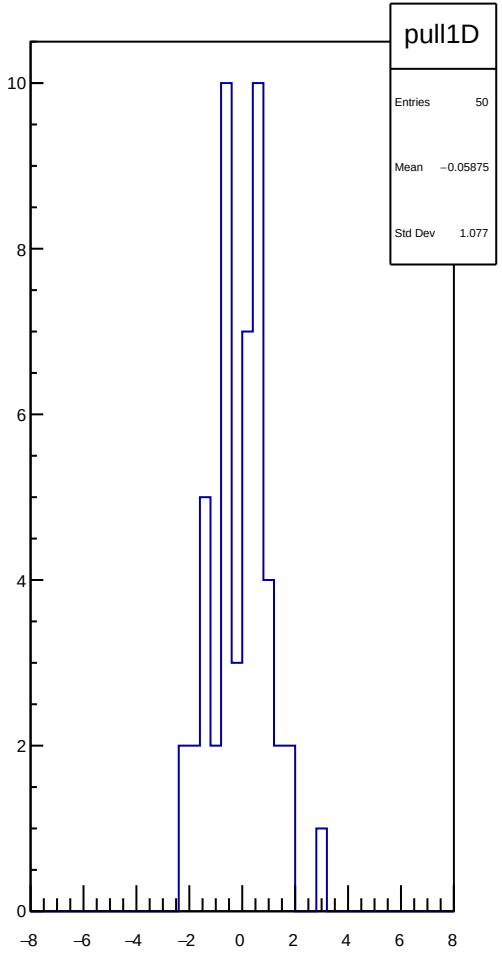
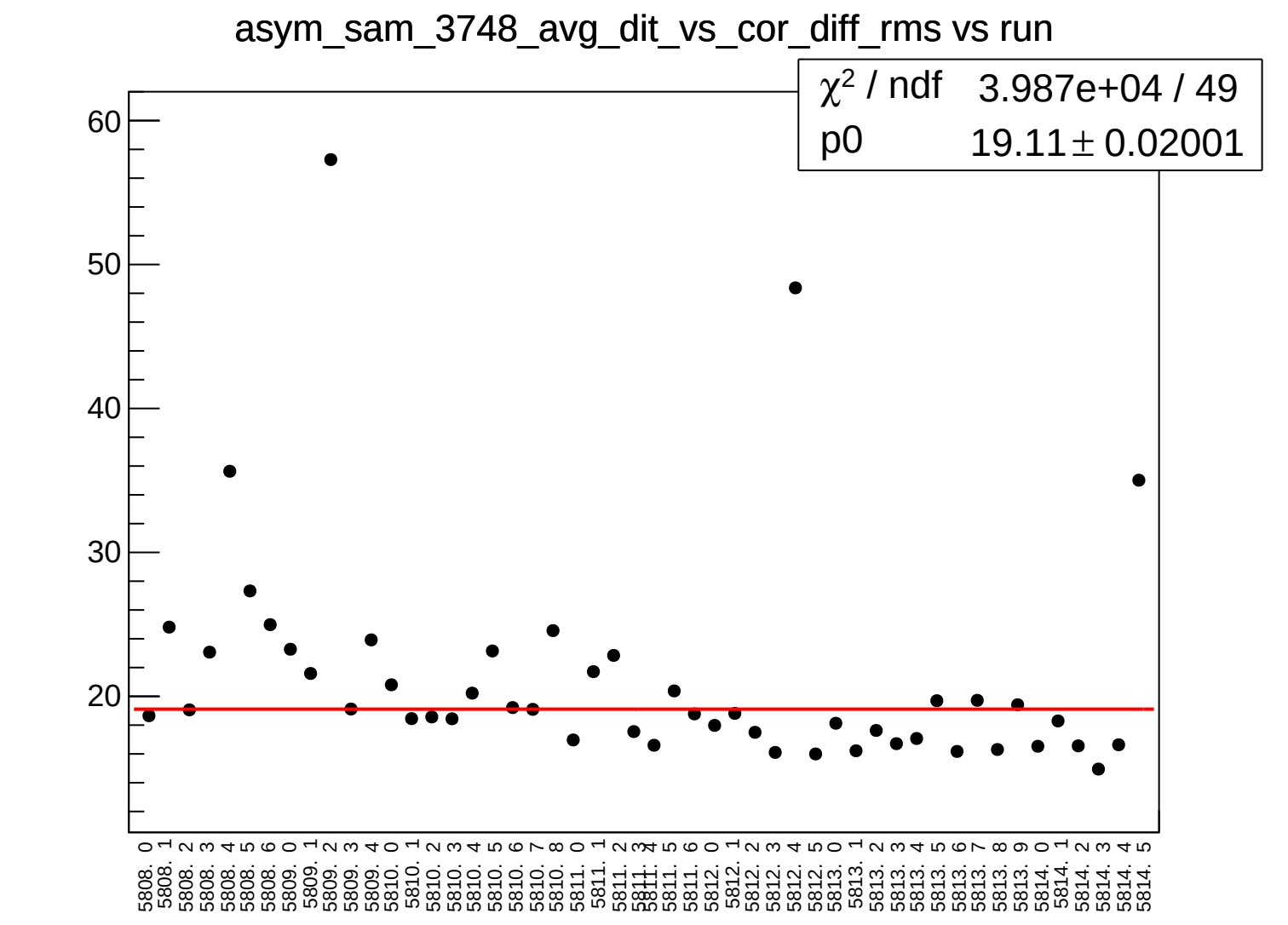
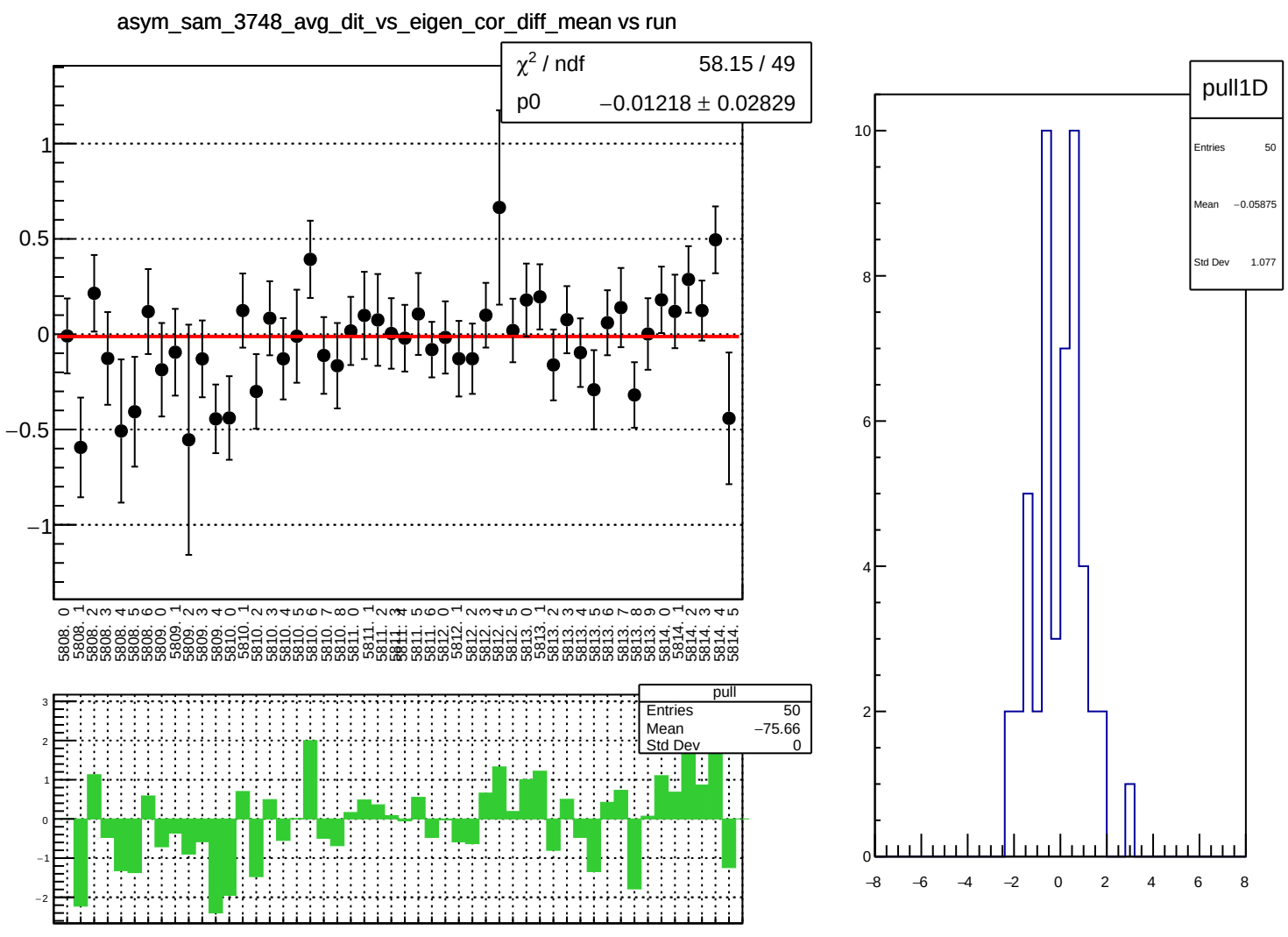
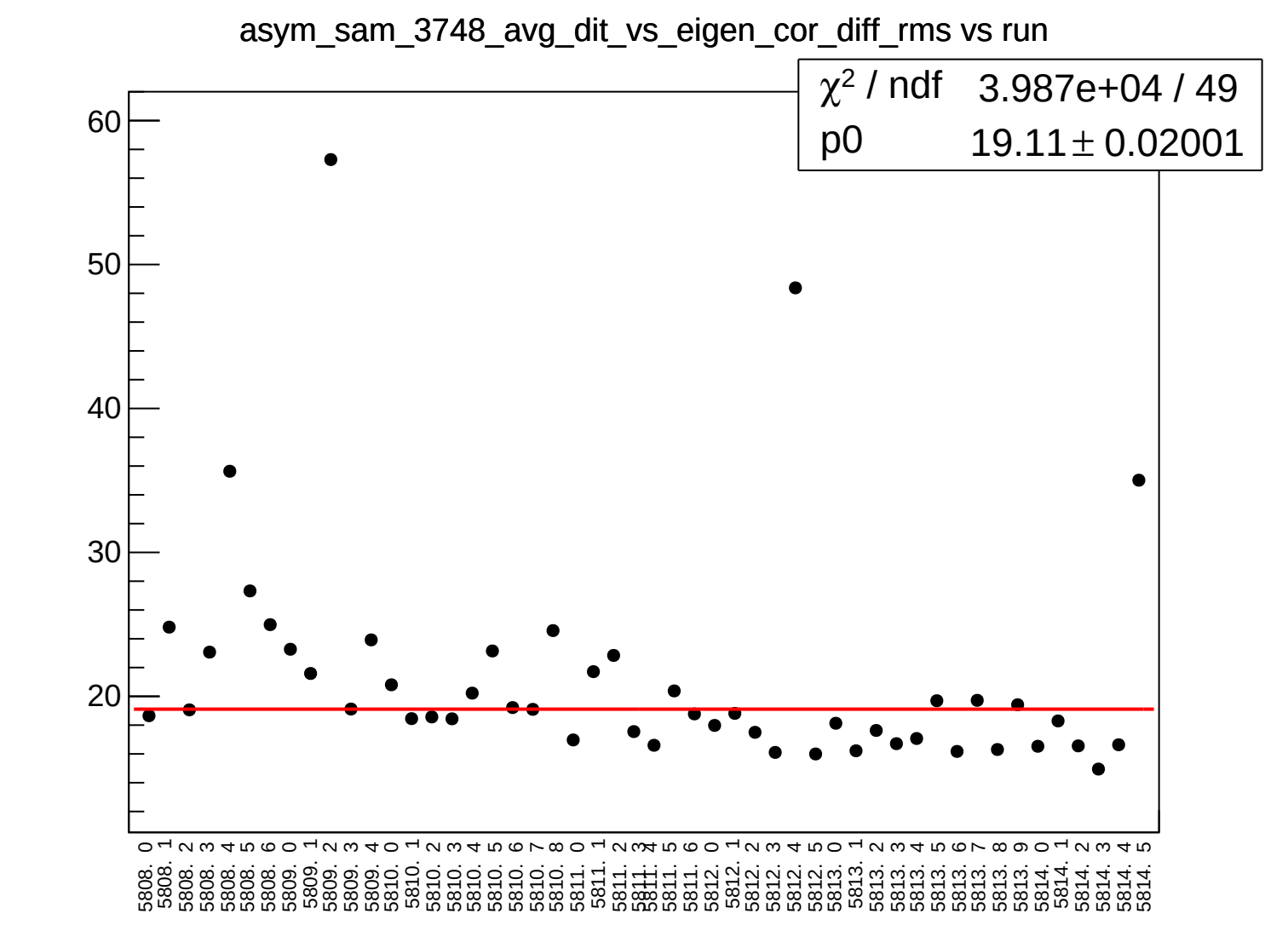
5814. 4
5814. 5

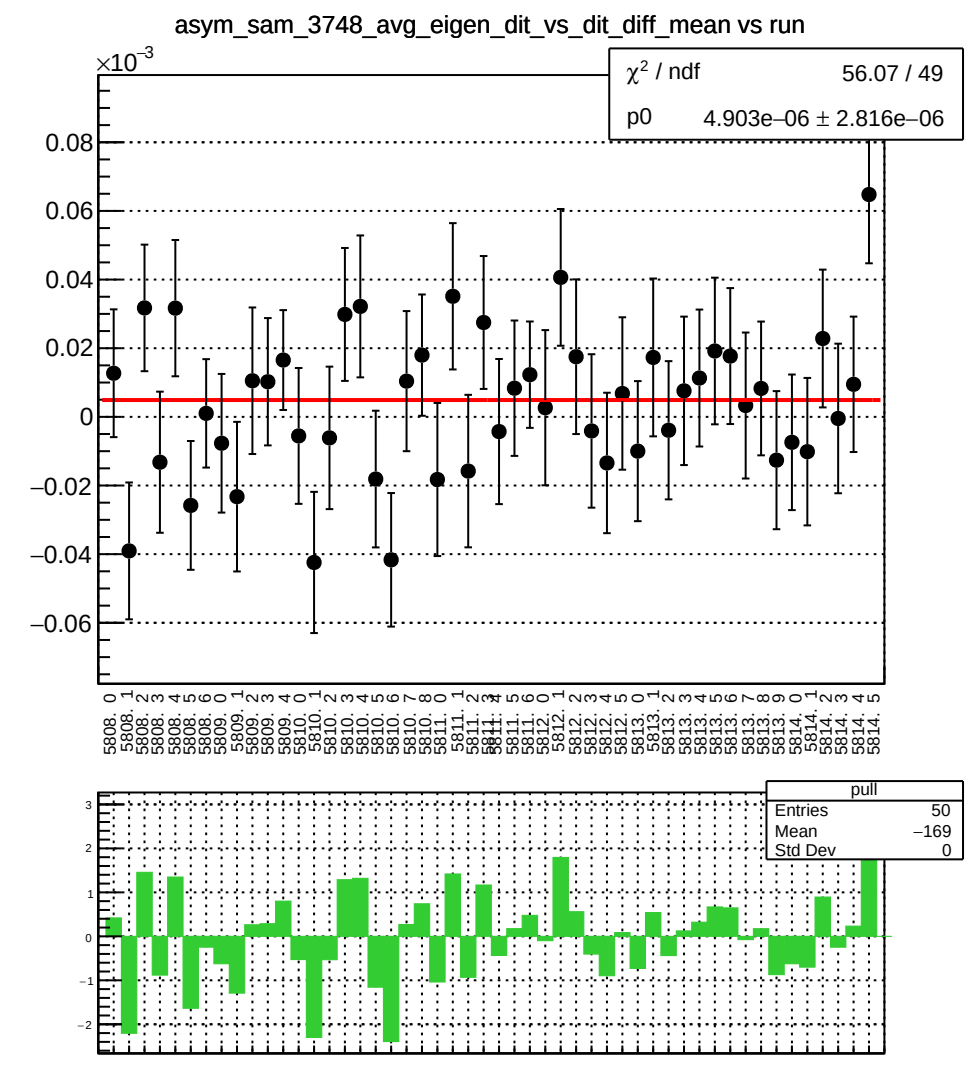

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 −0.01218 ± 0.02829
pull
Entries 50
Mean −75.66
Std Dev 0

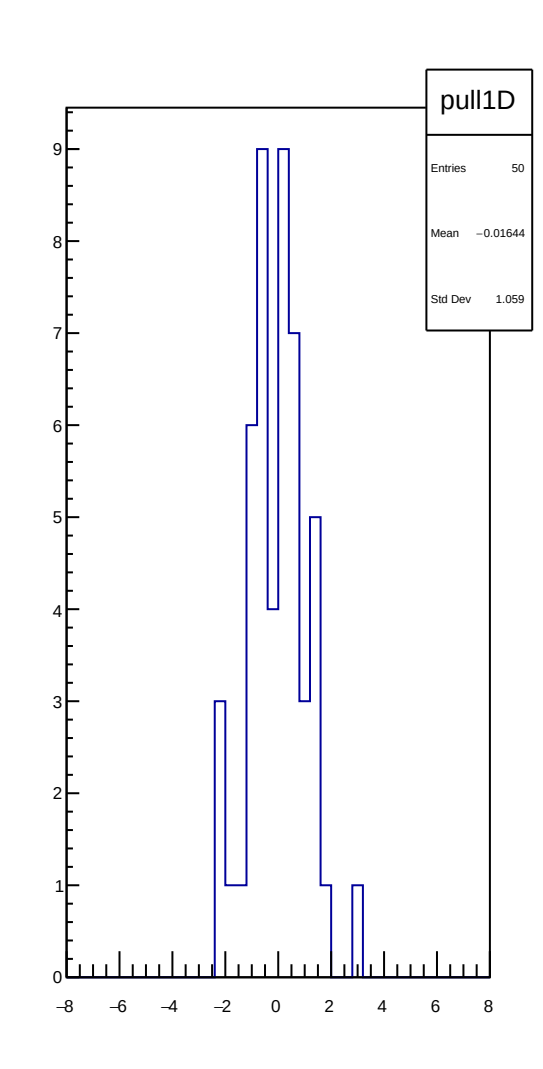

pull1D
Entries 50
Mean −0.05875
Std Dev 1.077

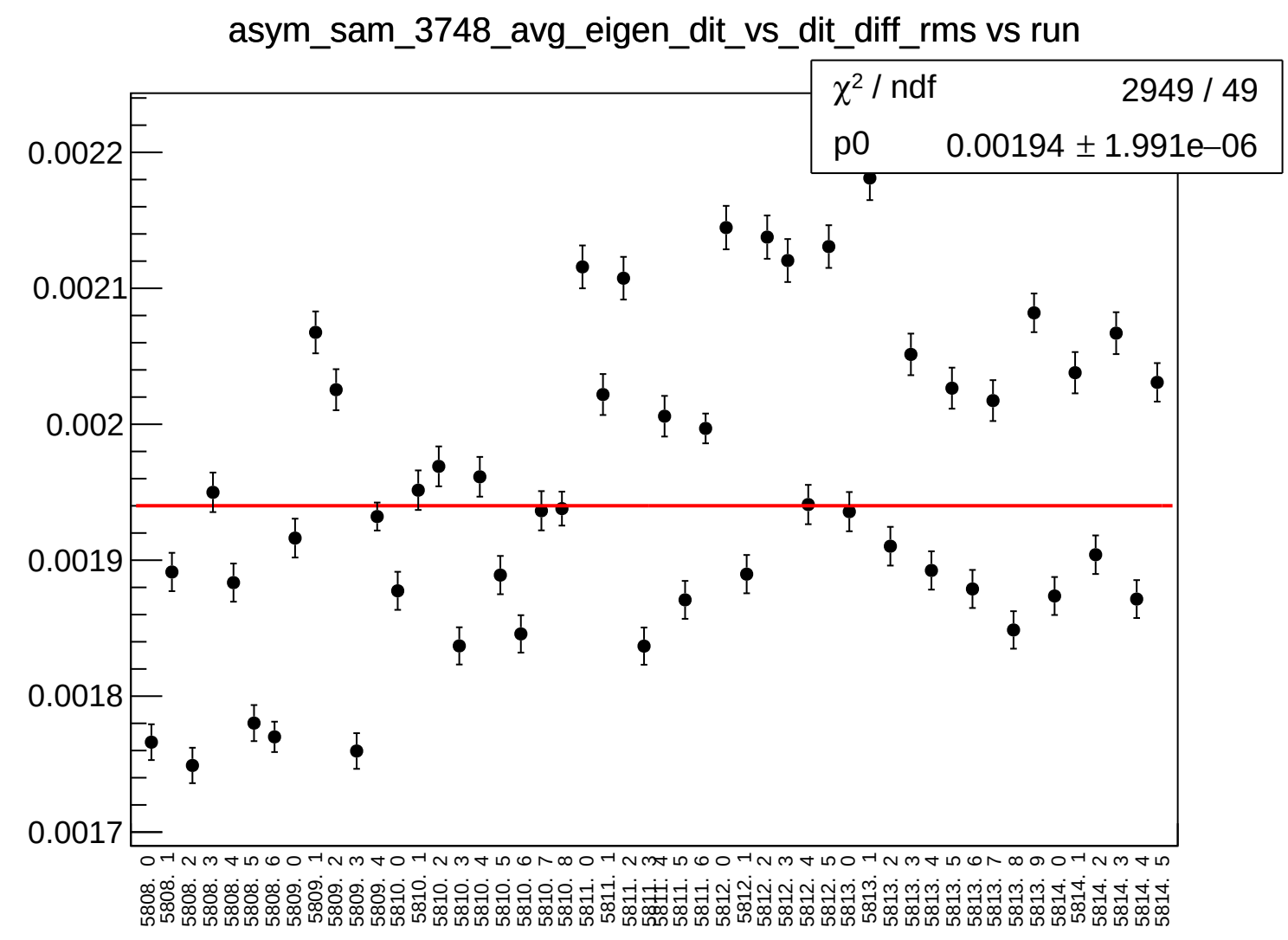

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.987e+04 / 49
p0 19.11 ± 0.02001
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

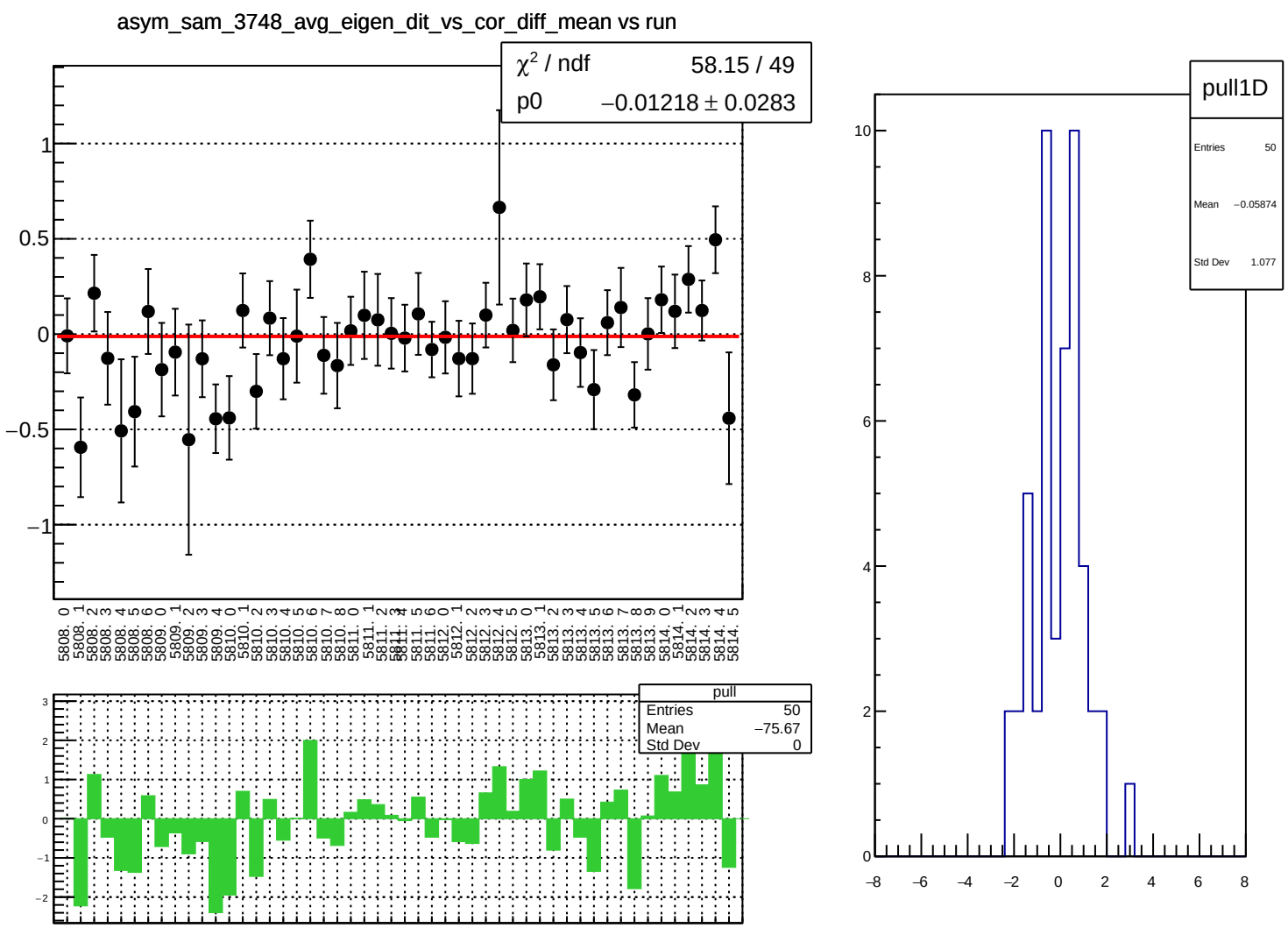

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 −0.01218 ± 0.02829
pull
Entries 50
Mean −75.66
Std Dev 0
pull1D
Entries 50
Mean −0.05875
Std Dev 1.077

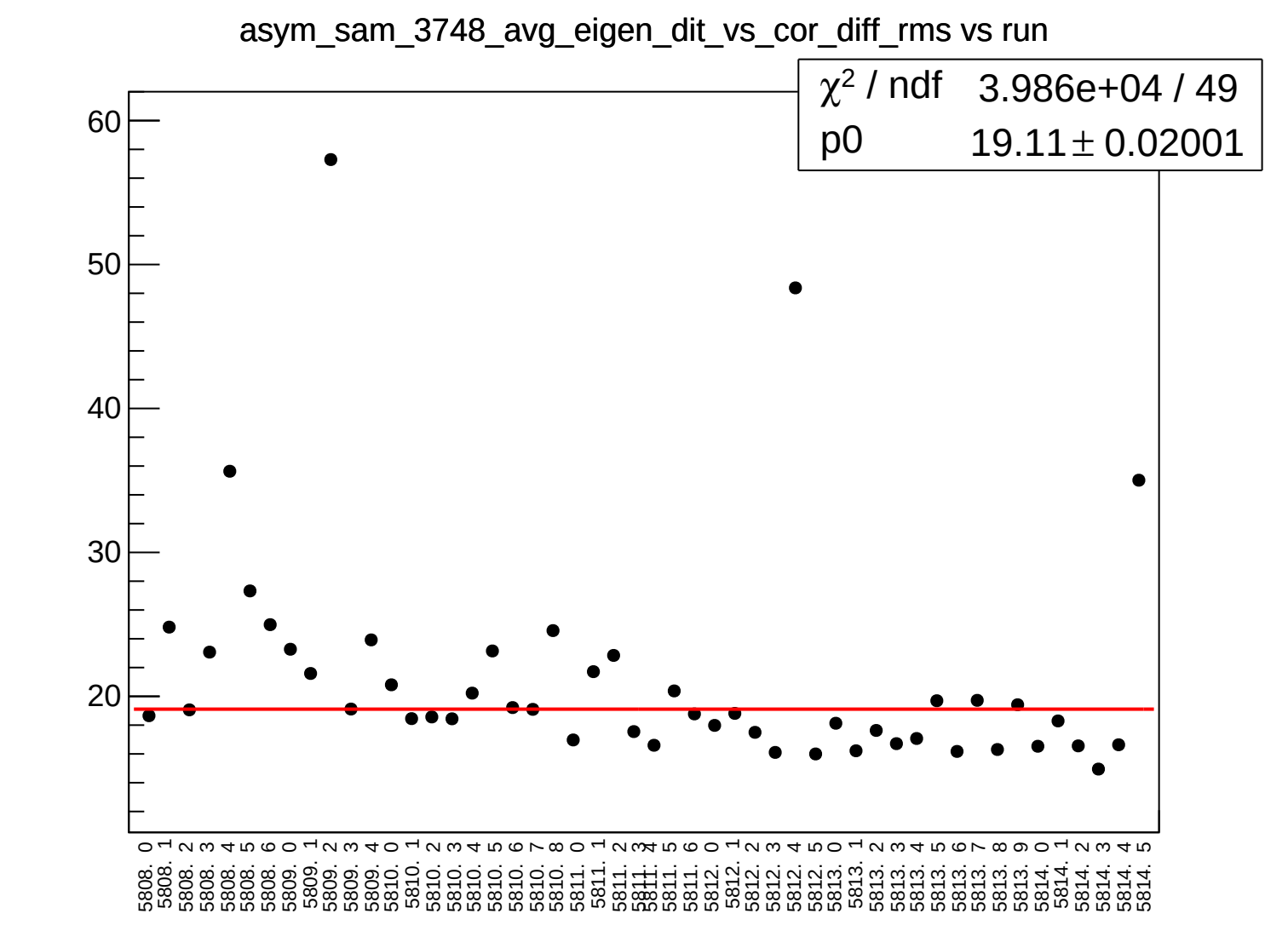

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.987e+04 / 49
p0 19.11 ± 0.02001
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

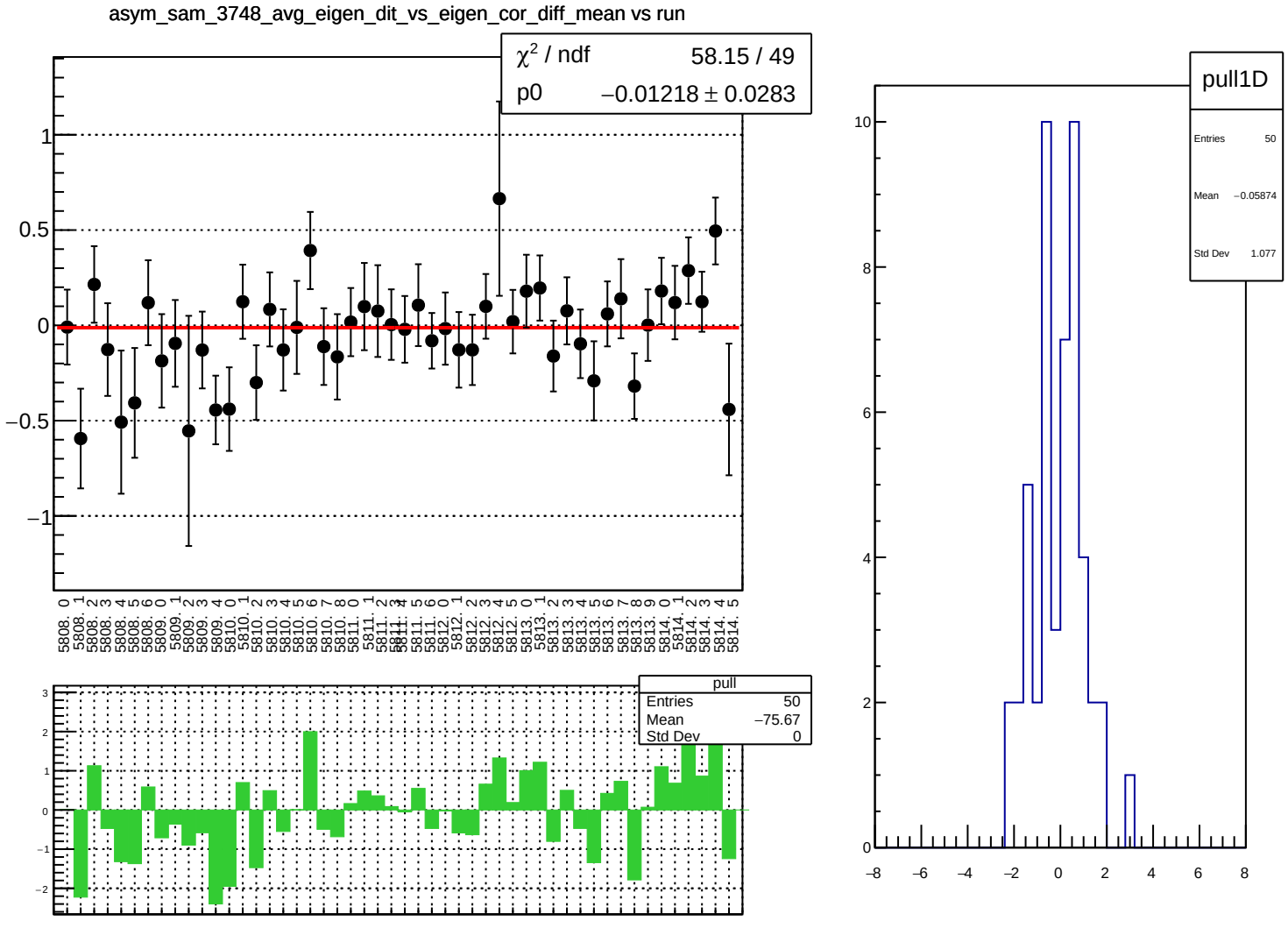

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 56.07 / 49
p0 4.903e−06 ± 2.816e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −169
Std Dev 0
3
2
1
0
−1
−2

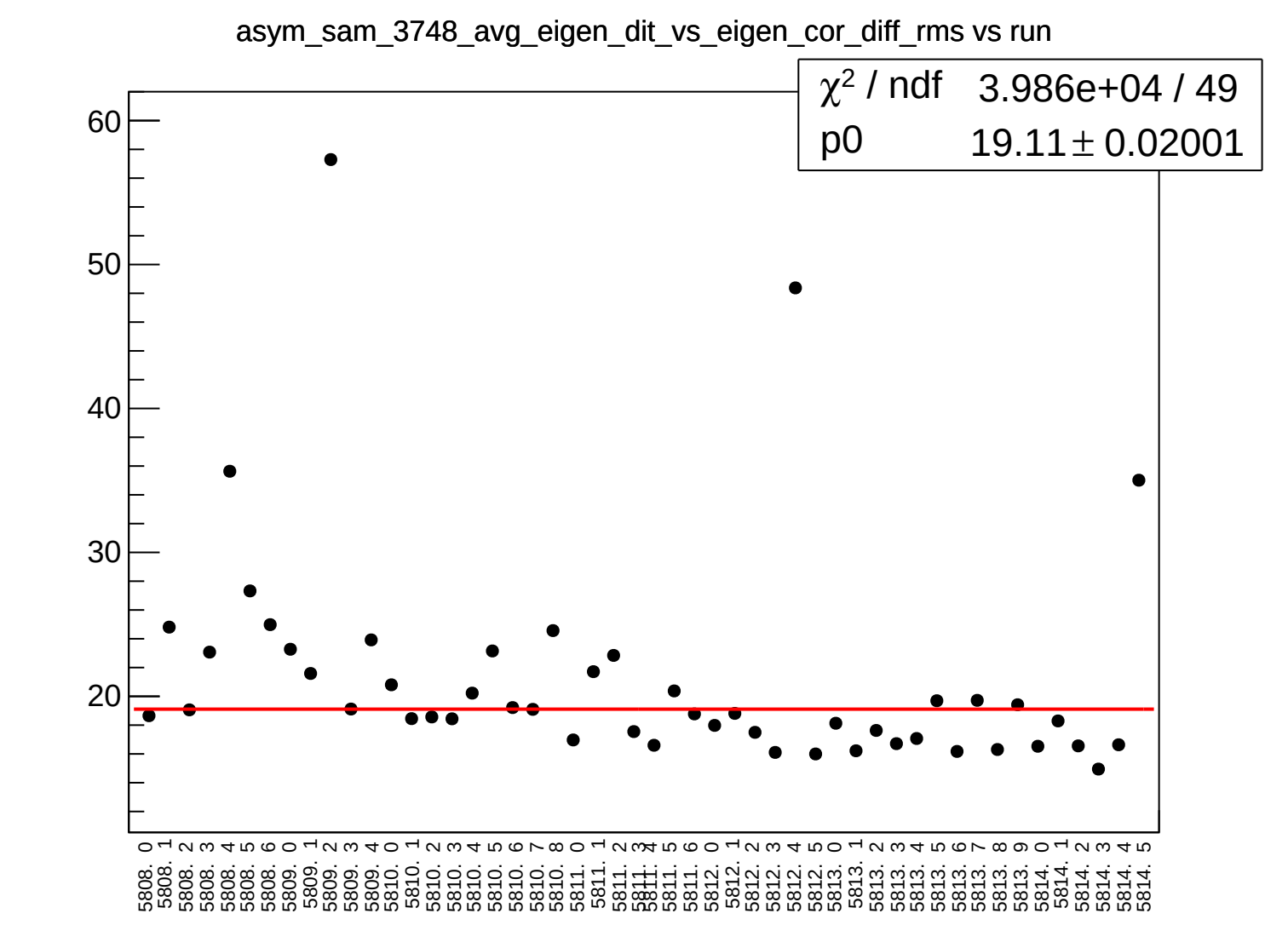

pull1D
Entries 50
Mean −0.01644
Std Dev 1.059
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

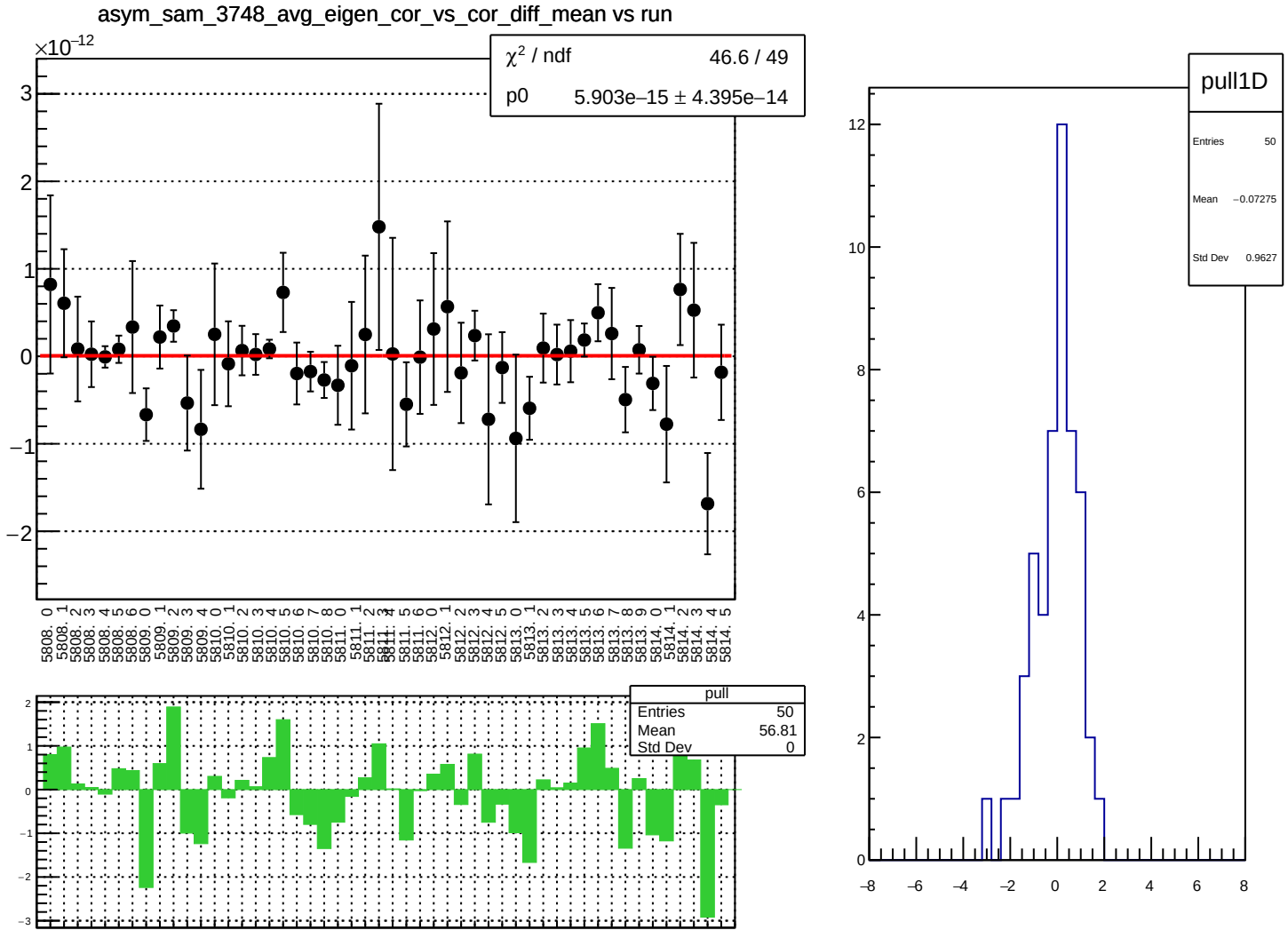

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2949 / 49
p0 0.00194 ± 1.991e–06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

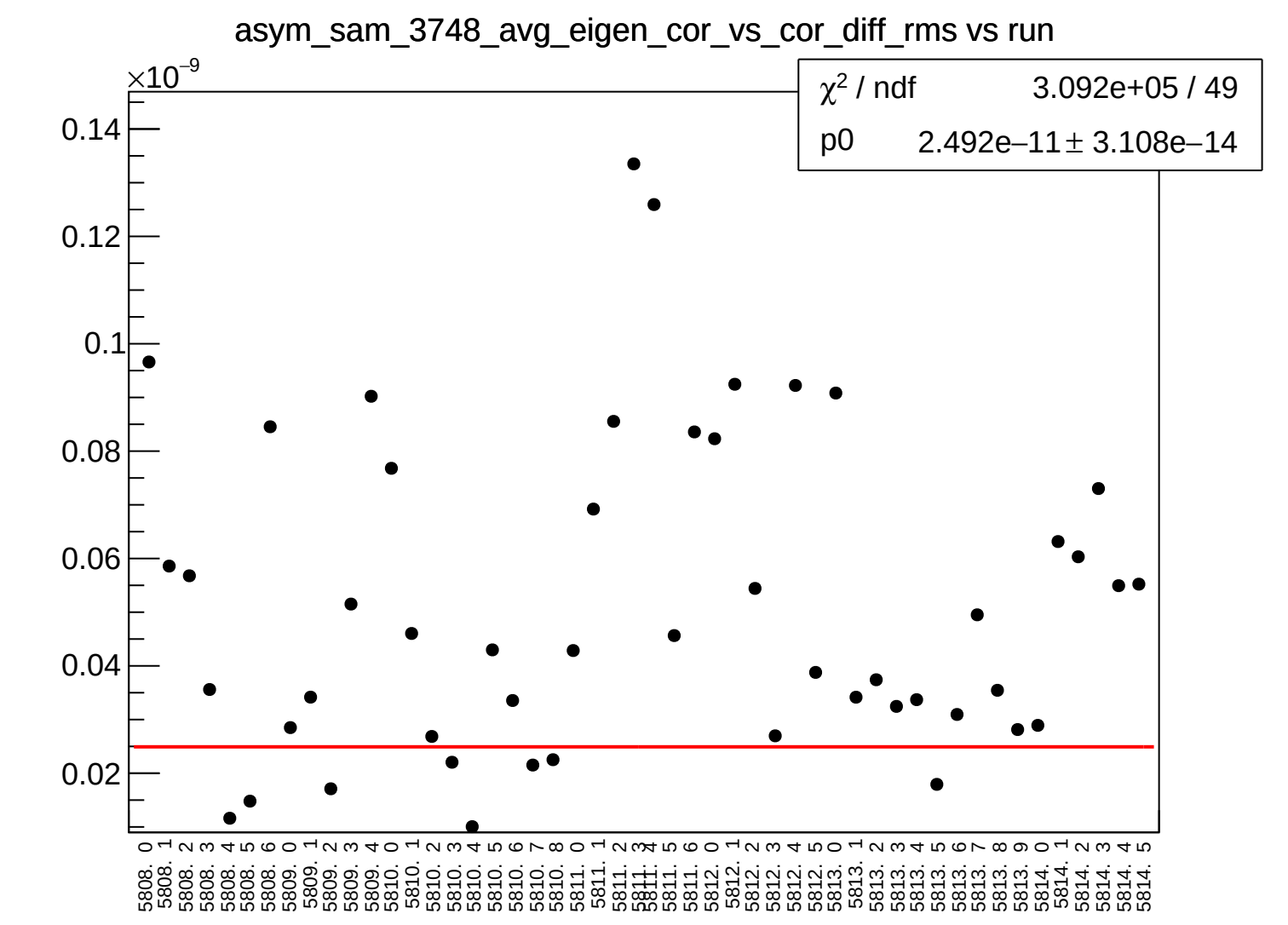

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 −0.01218 ± 0.0283
pull
Entries 50
Mean −75.67
Std Dev 0
pull1D
Entries 50
Mean −0.05874
Std Dev 1.077

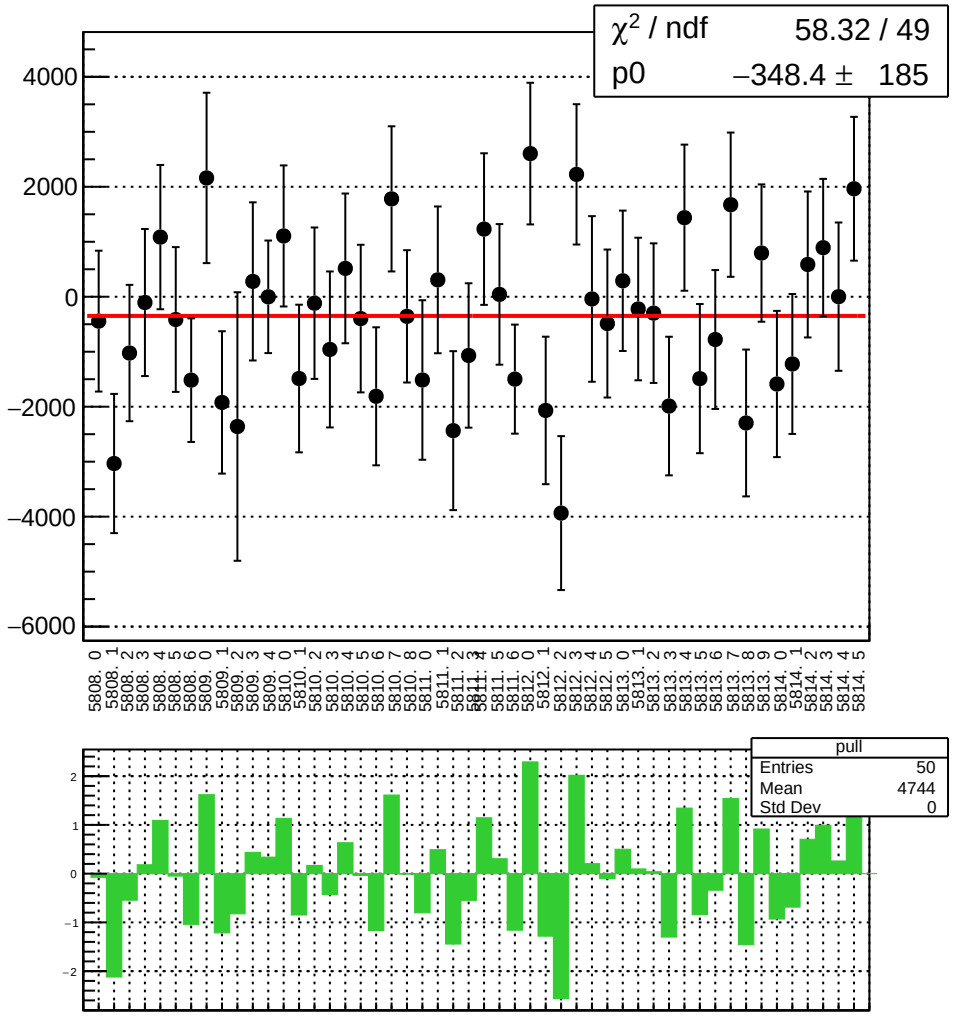

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.986e+04 / 49
p0 19.11 ± 0.02001
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

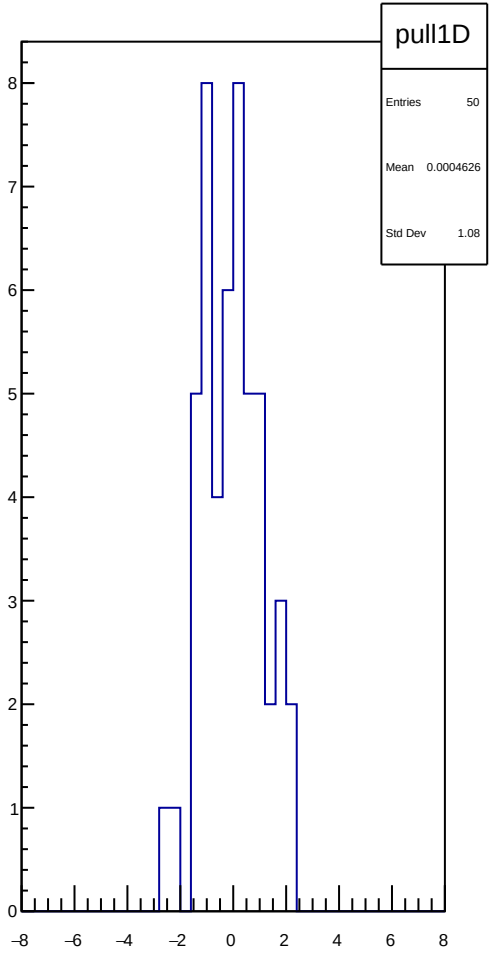

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.15 / 49
p0 −0.01218 ± 0.0283
pull
Entries 50
Mean −75.67
Std Dev 0
pull1D
Entries 50
Mean −0.05874
Std Dev 1.077

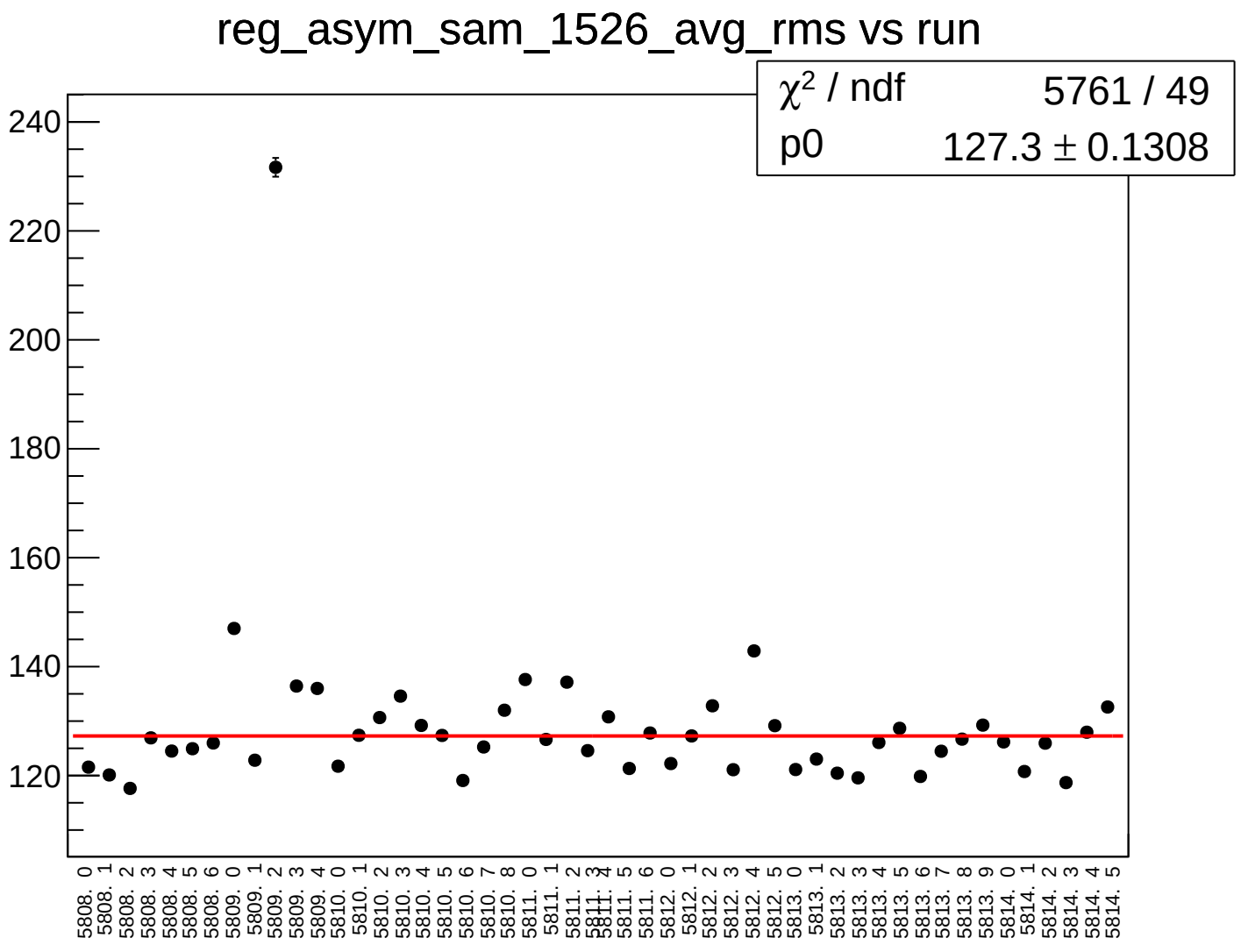

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.986e+04 / 49
p0 19.11 ± 0.02001
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

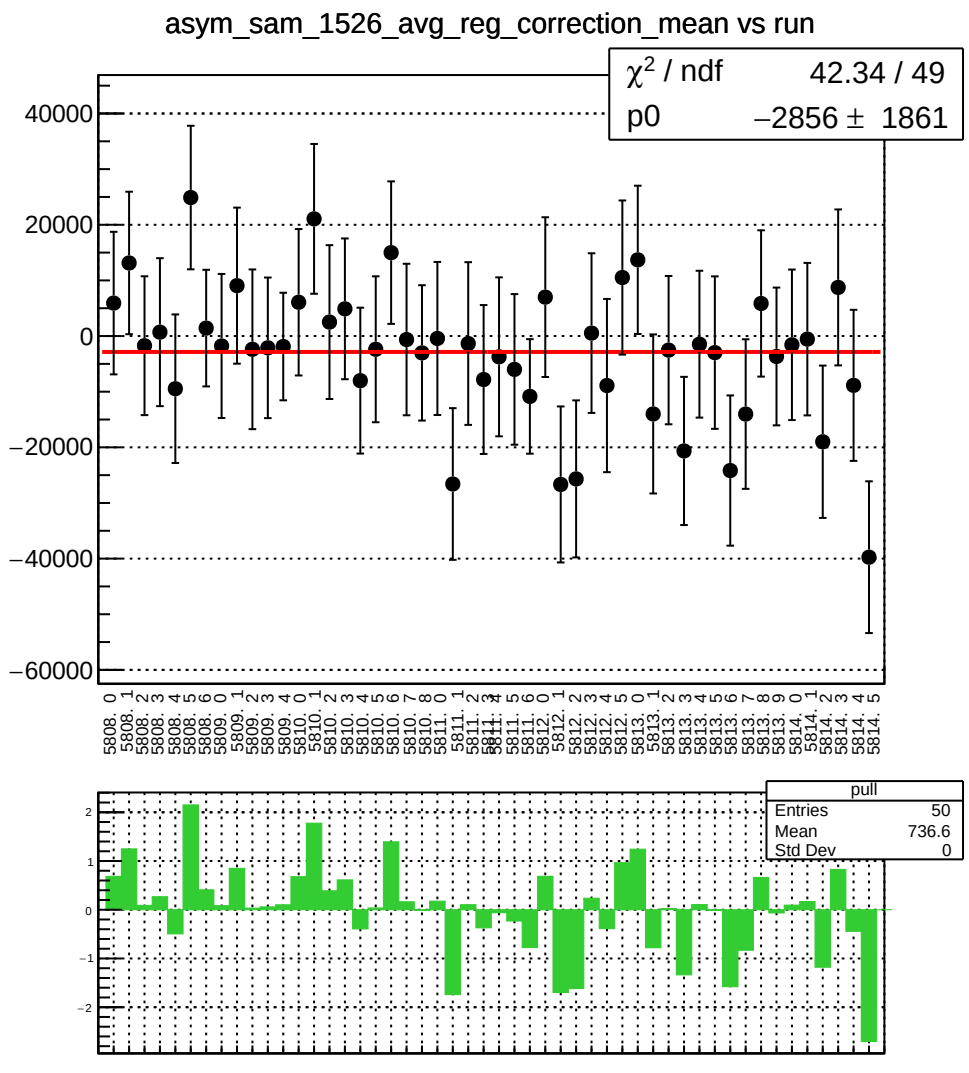

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.6 / 49
p0 5.903e−15 ± 4.395e−14
pull
Entries 50
Mean 56.81
Std Dev 0
pull1D
Entries 50
Mean −0.07275
Std Dev 0.9627

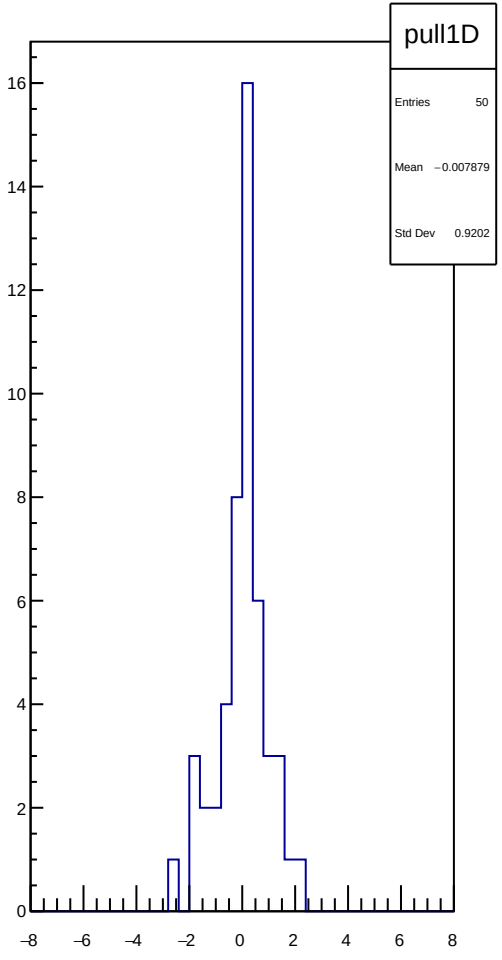

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.092e+05 / 49
p0 2.492e−11 ± 3.108e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

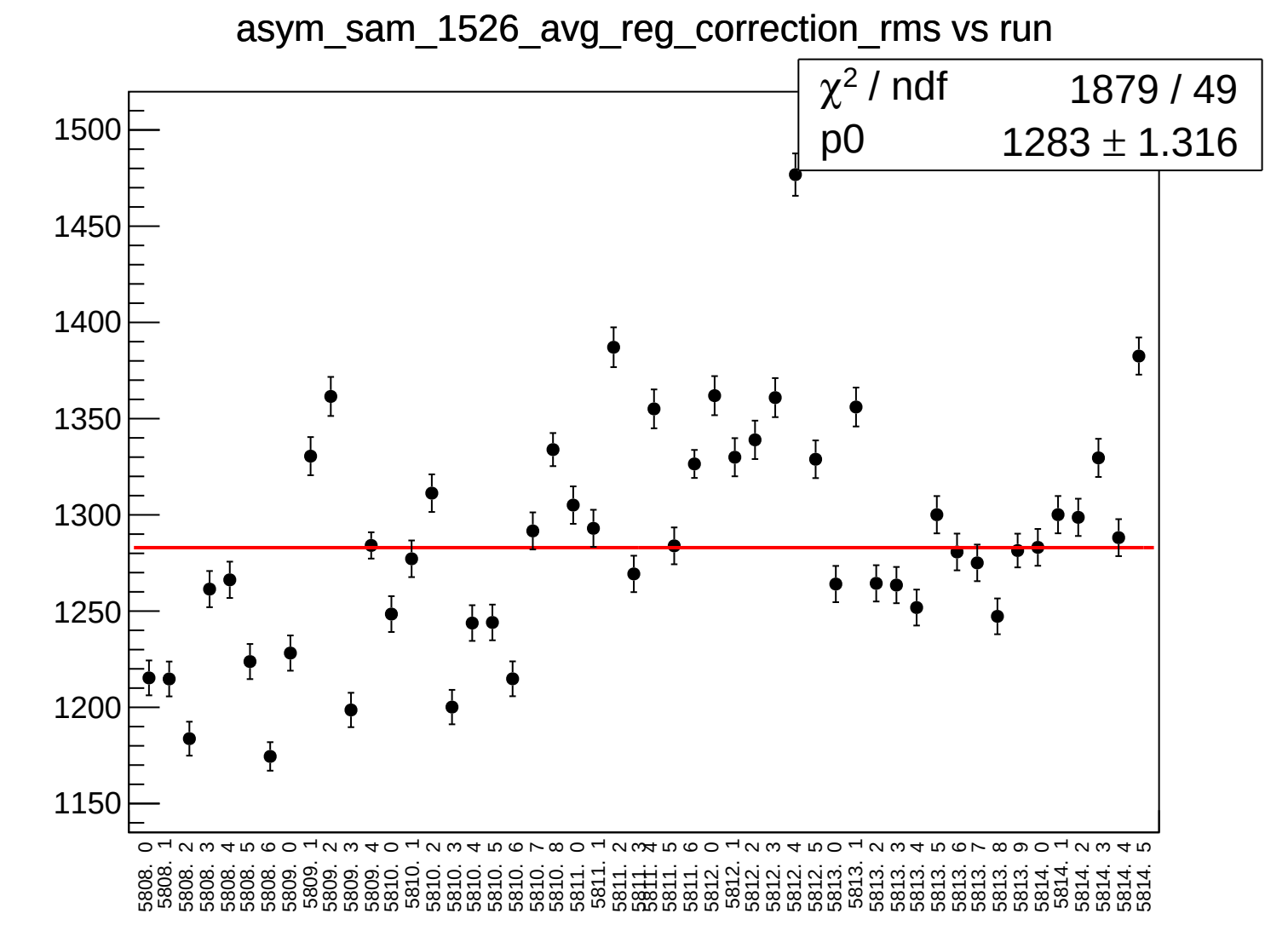

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 58.32 / 49
p0 −348.4 ± 185
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean 4744
Std Dev 0
2
1
0
−1
−2

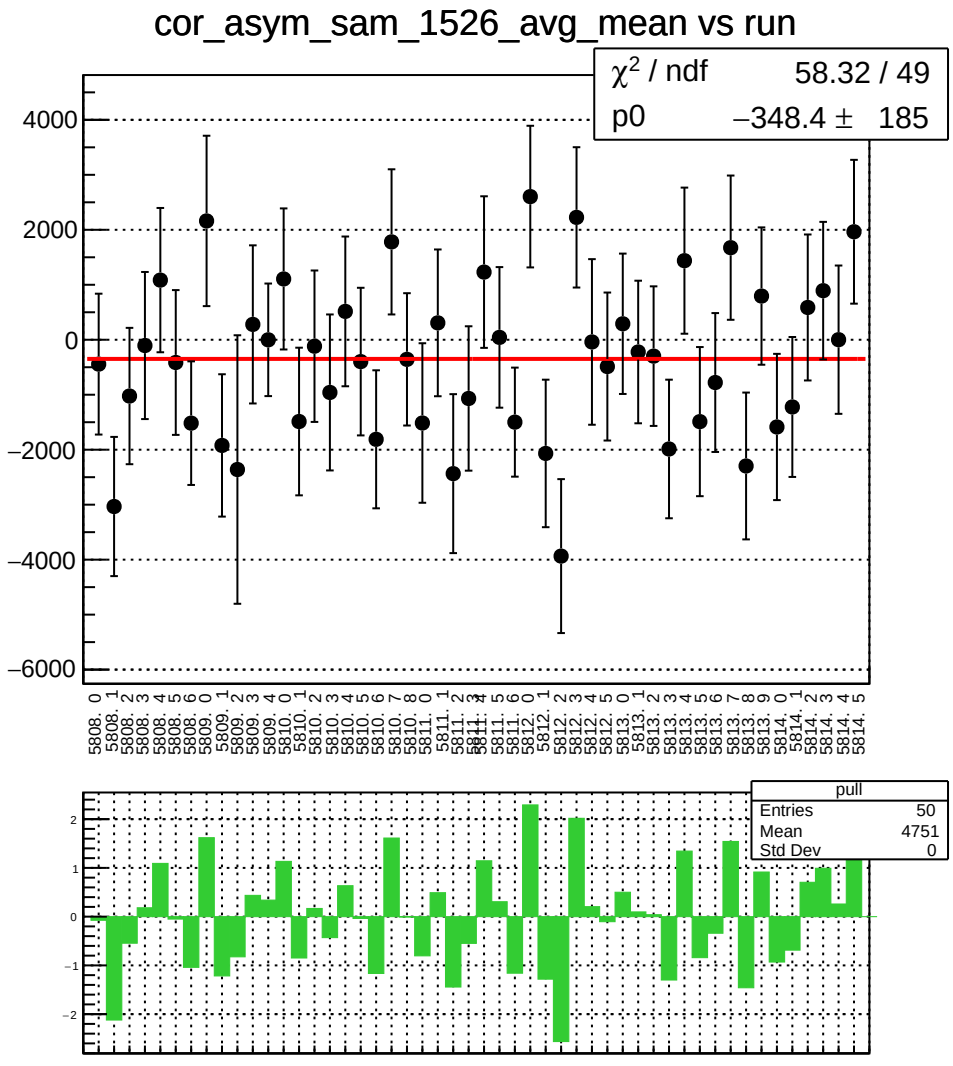

pull1D
Entries 50
Mean 0.0004626
Std Dev 1.08
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

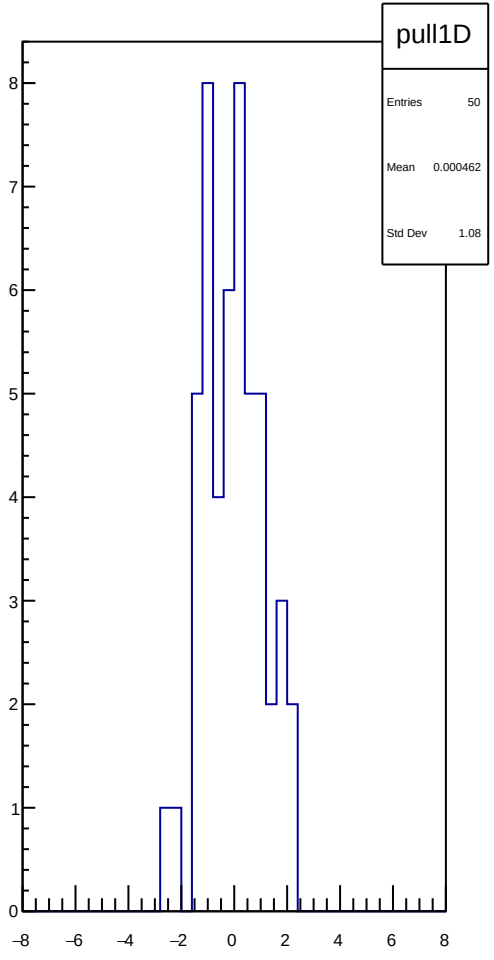

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 5761 / 49
p0 127.3 ± 0.1308
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

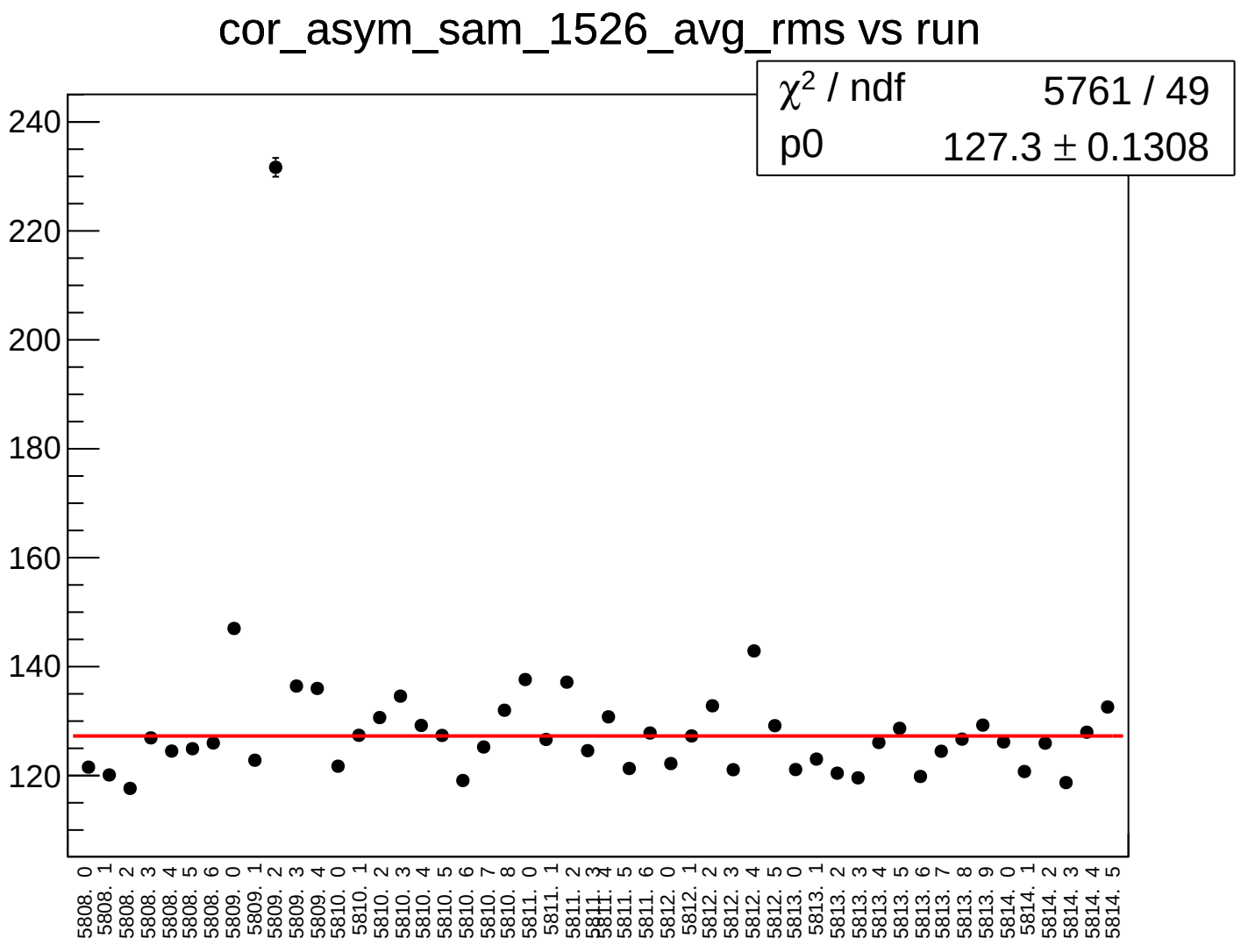

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 42.34 / 49
p0 −2856 ± 1861
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 736.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.007879
Std Dev 0.9202
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 1879 / 49
p0 1283 ± 1.316
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.32 / 49
p0 −348.4 ± 185
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 4751
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.000462
Std Dev 1.08
8
7
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 5761 / 49
p0 127.3 ± 0.1308
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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5813. 4
5813. 5
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5813. 9
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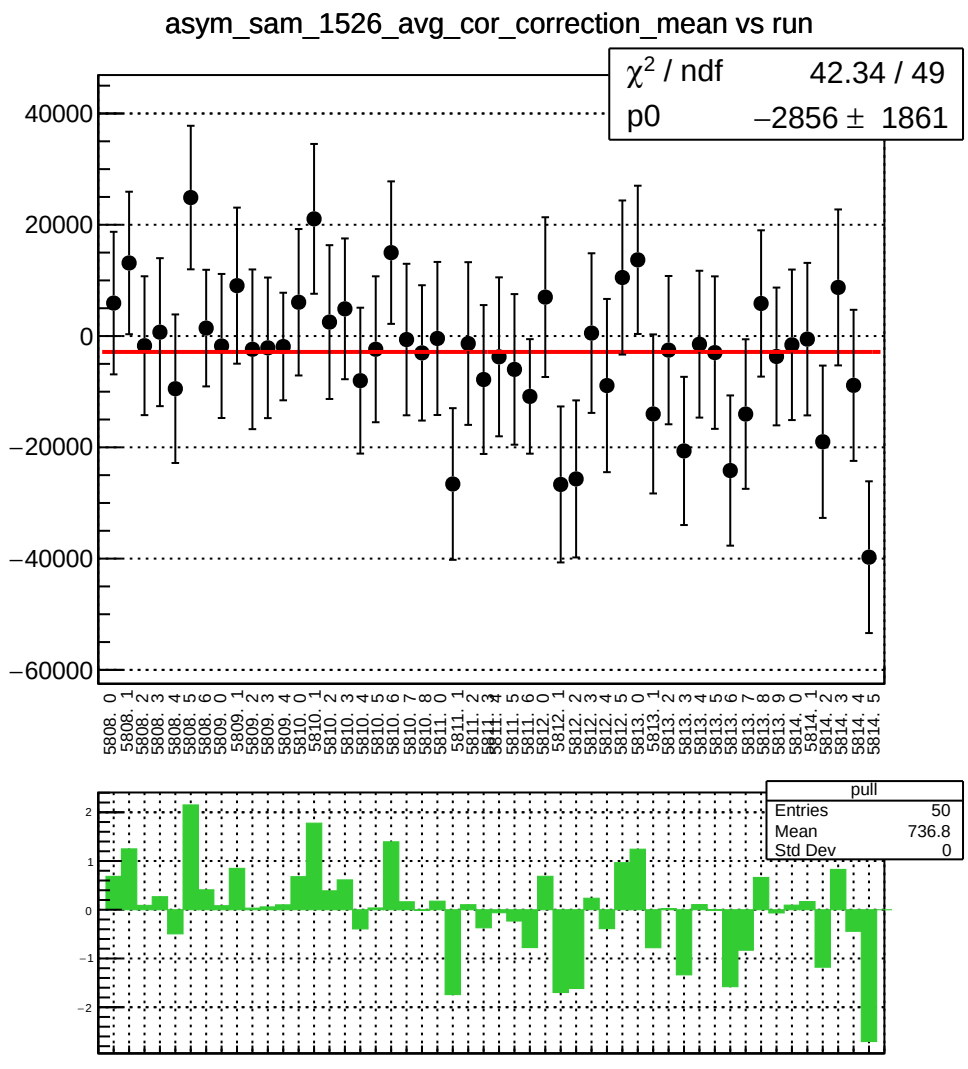
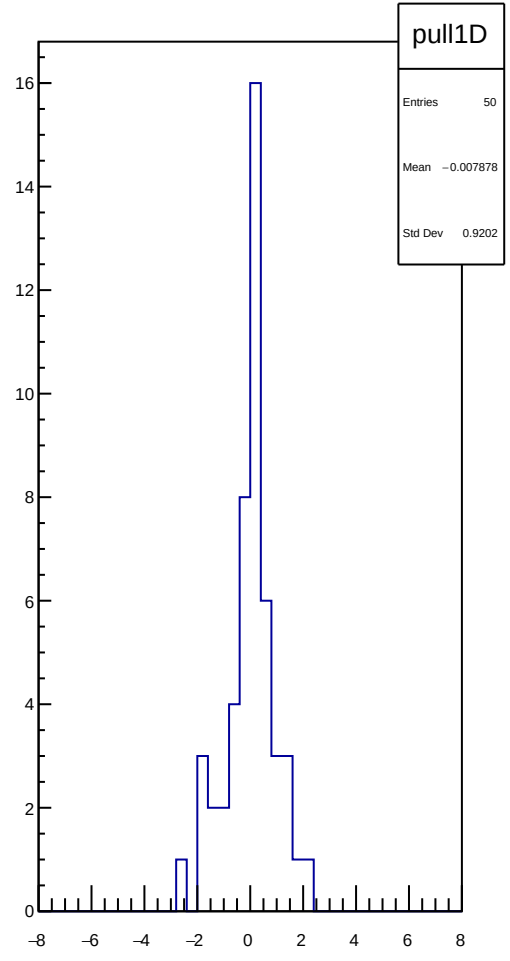
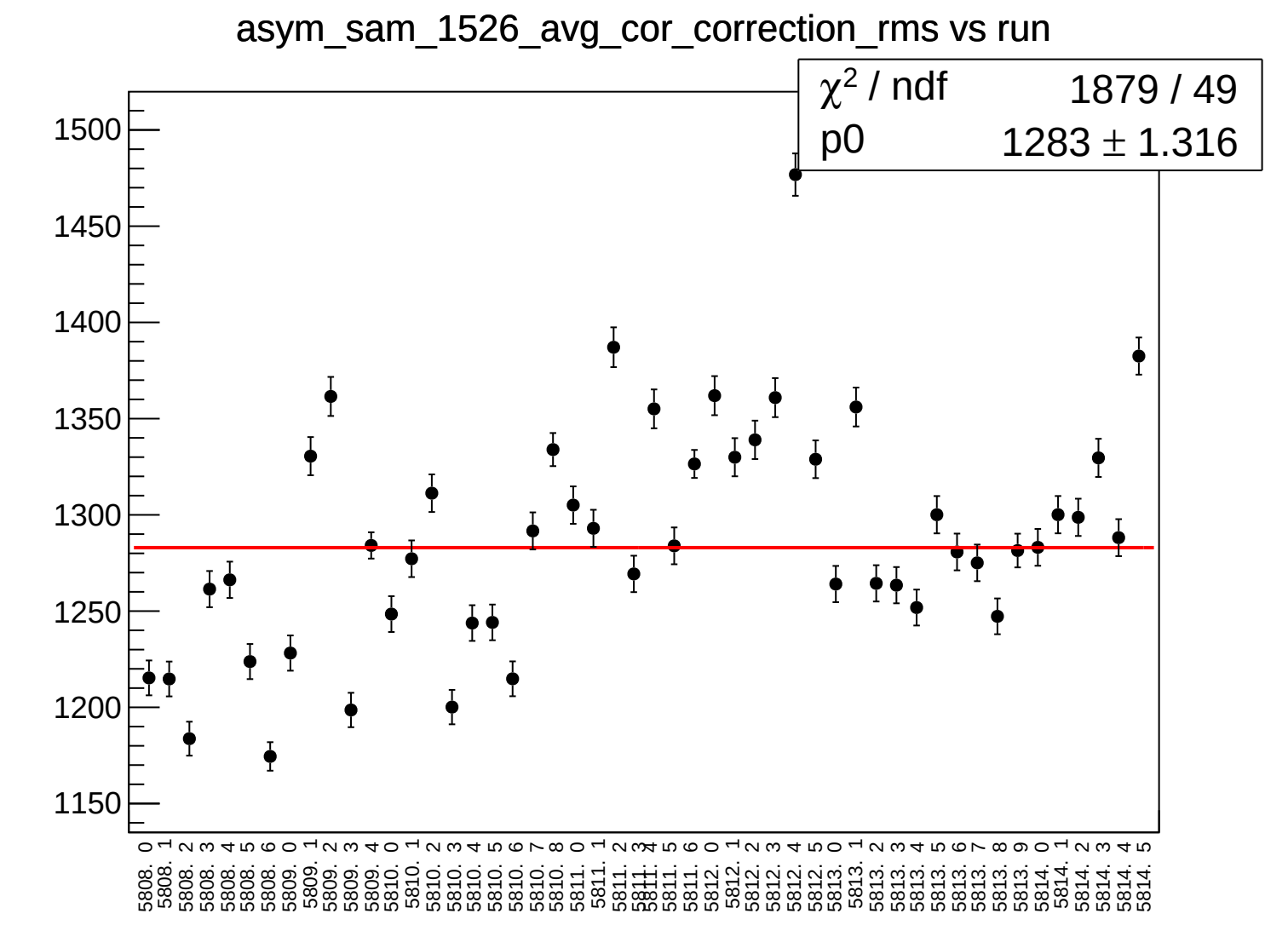
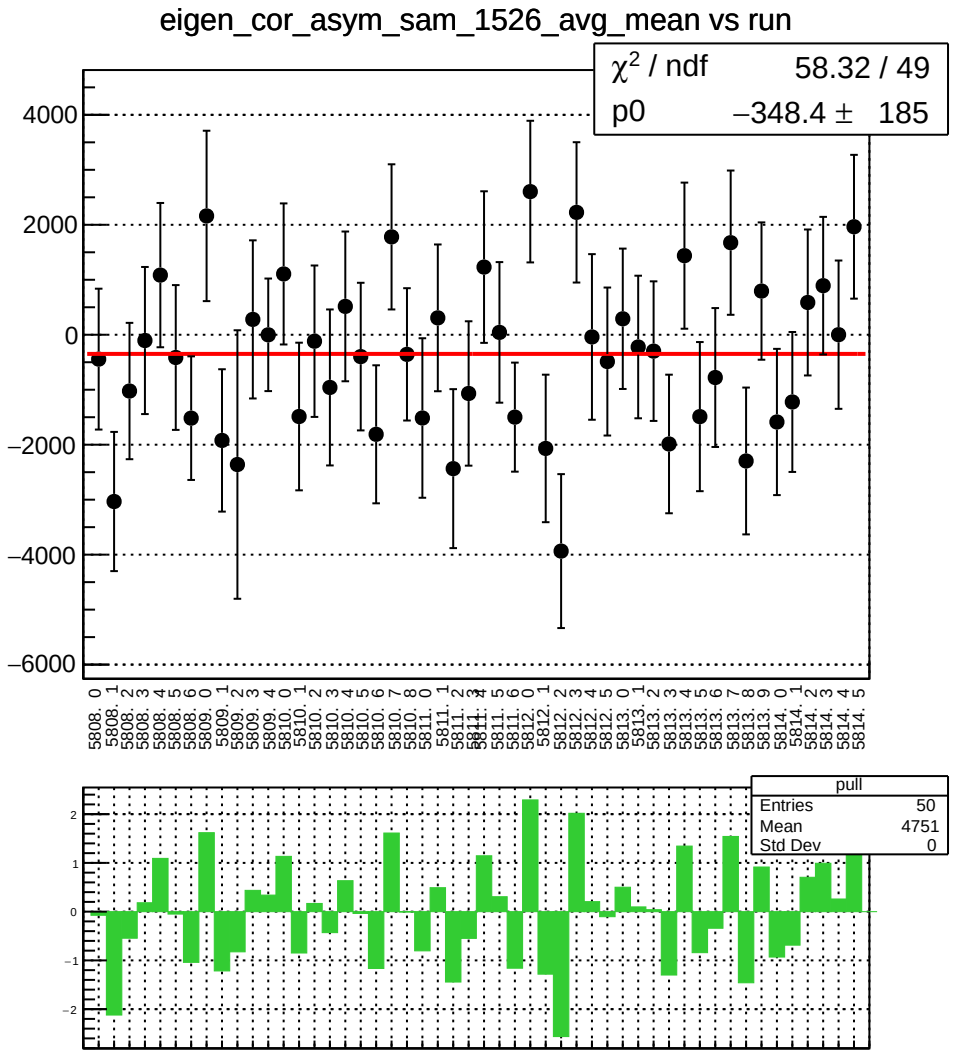
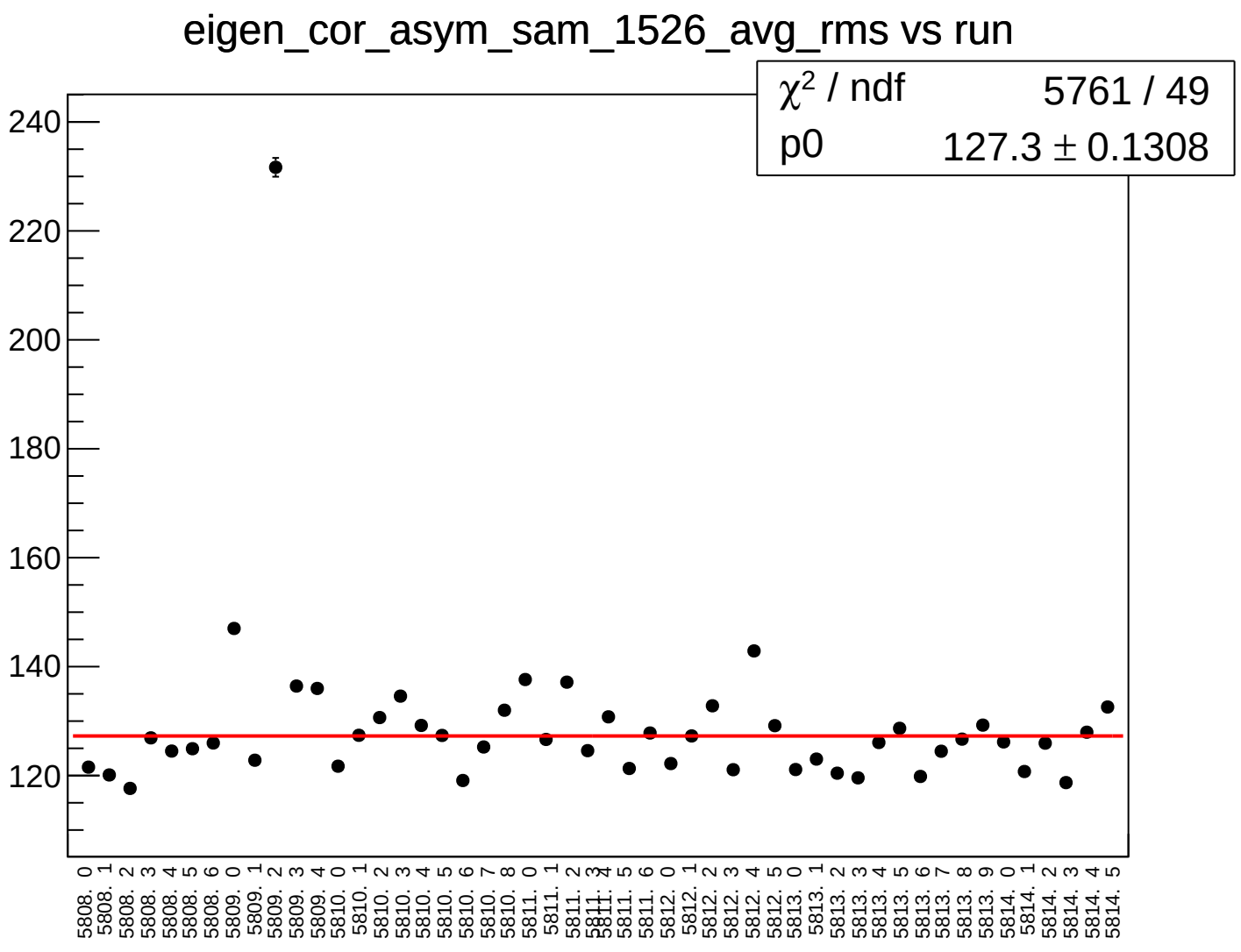
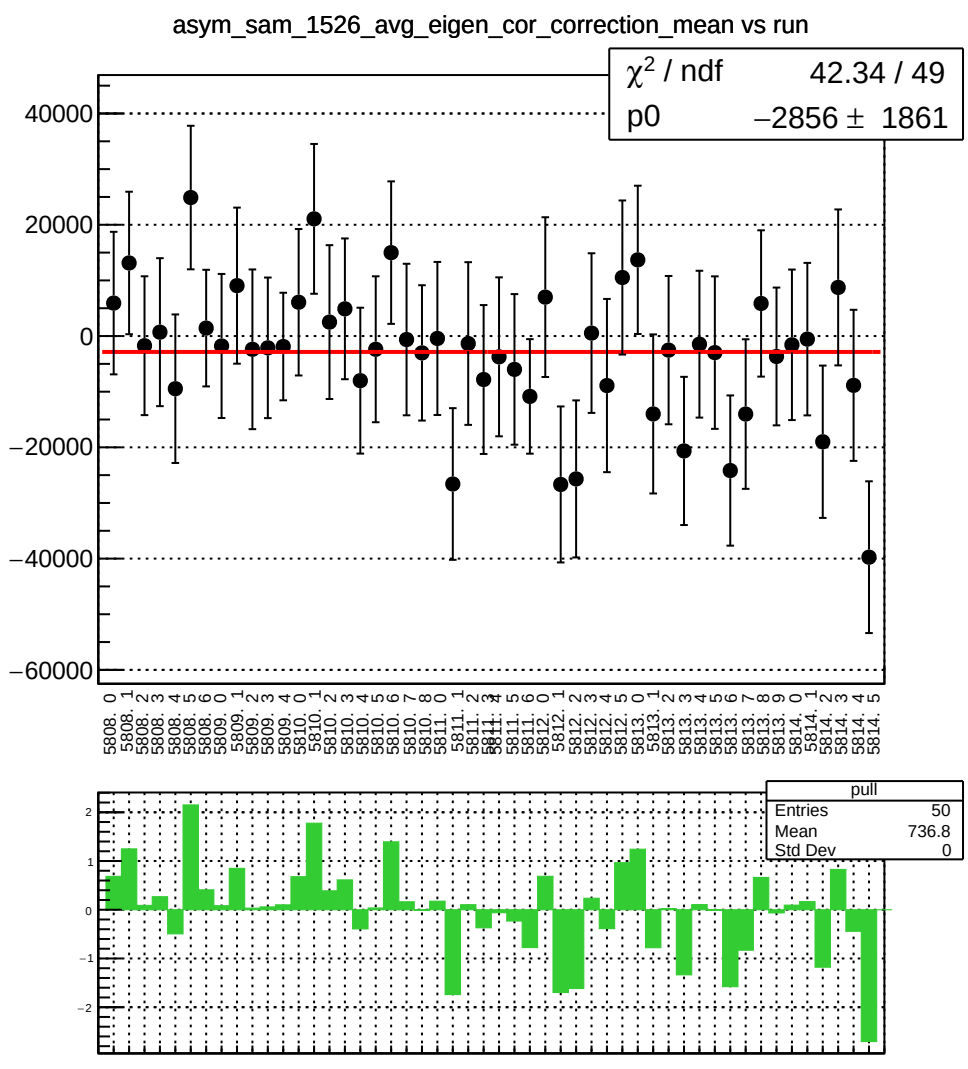

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 42.34 / 49
p0 −2856 ± 1861
pull
Entries 50
Mean 736.8
Std Dev 0

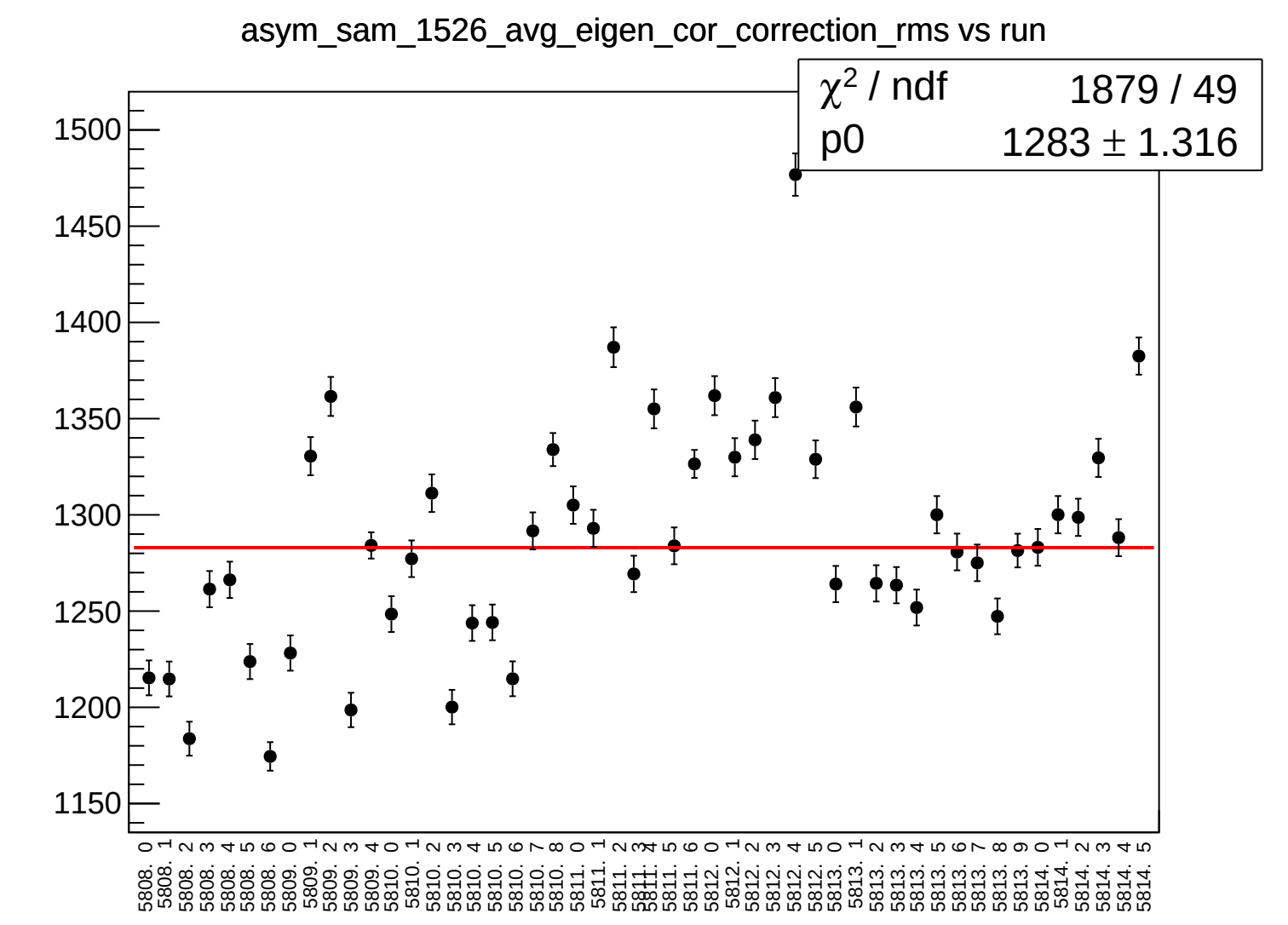

pull1D
Entries 50
Mean −0.007878
Std Dev 0.9202

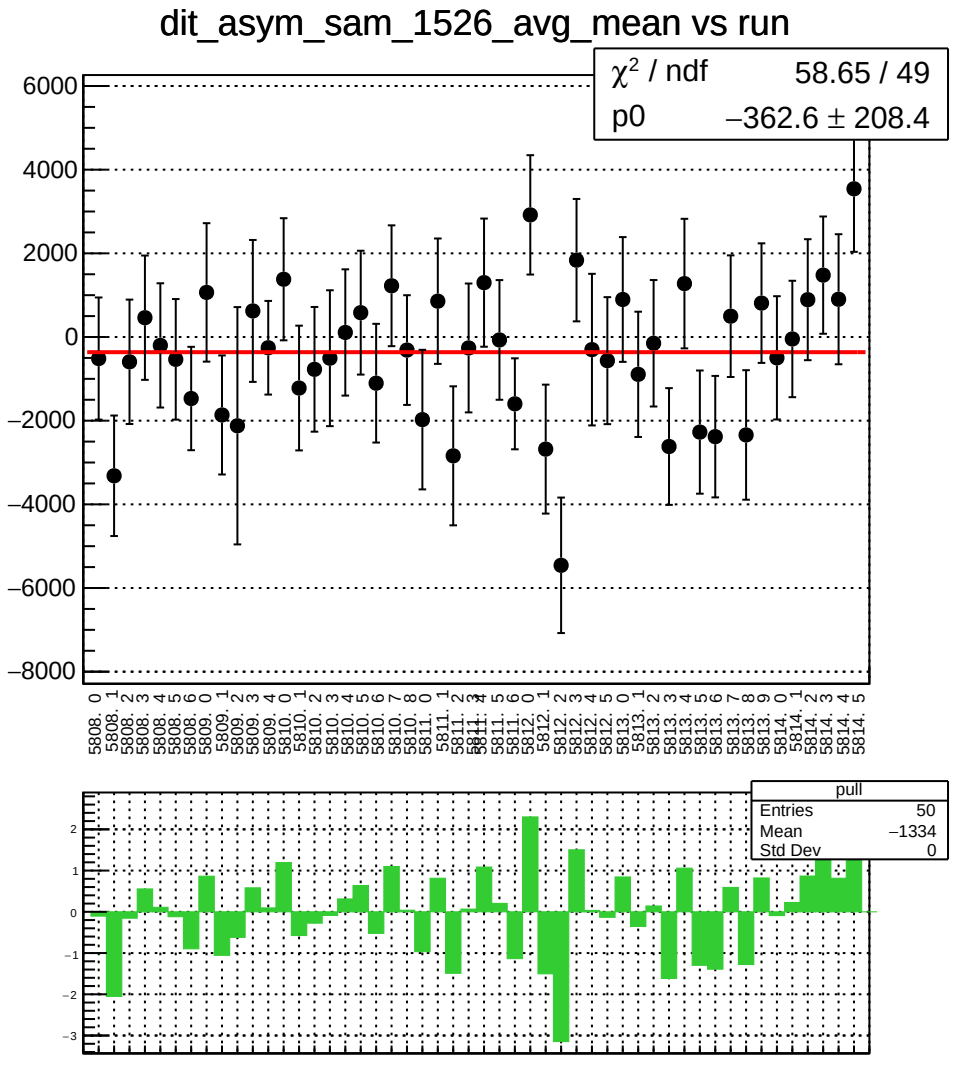

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 1879 / 49
p0 1283 ± 1.316
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

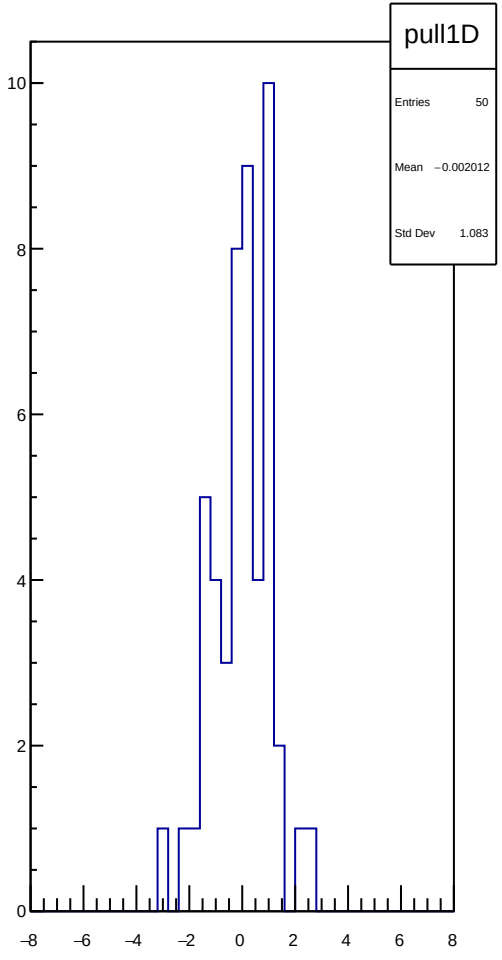

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 58.32 / 49
p0 −348.4 ± 185
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 4751
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.000462
Std Dev 1.08
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

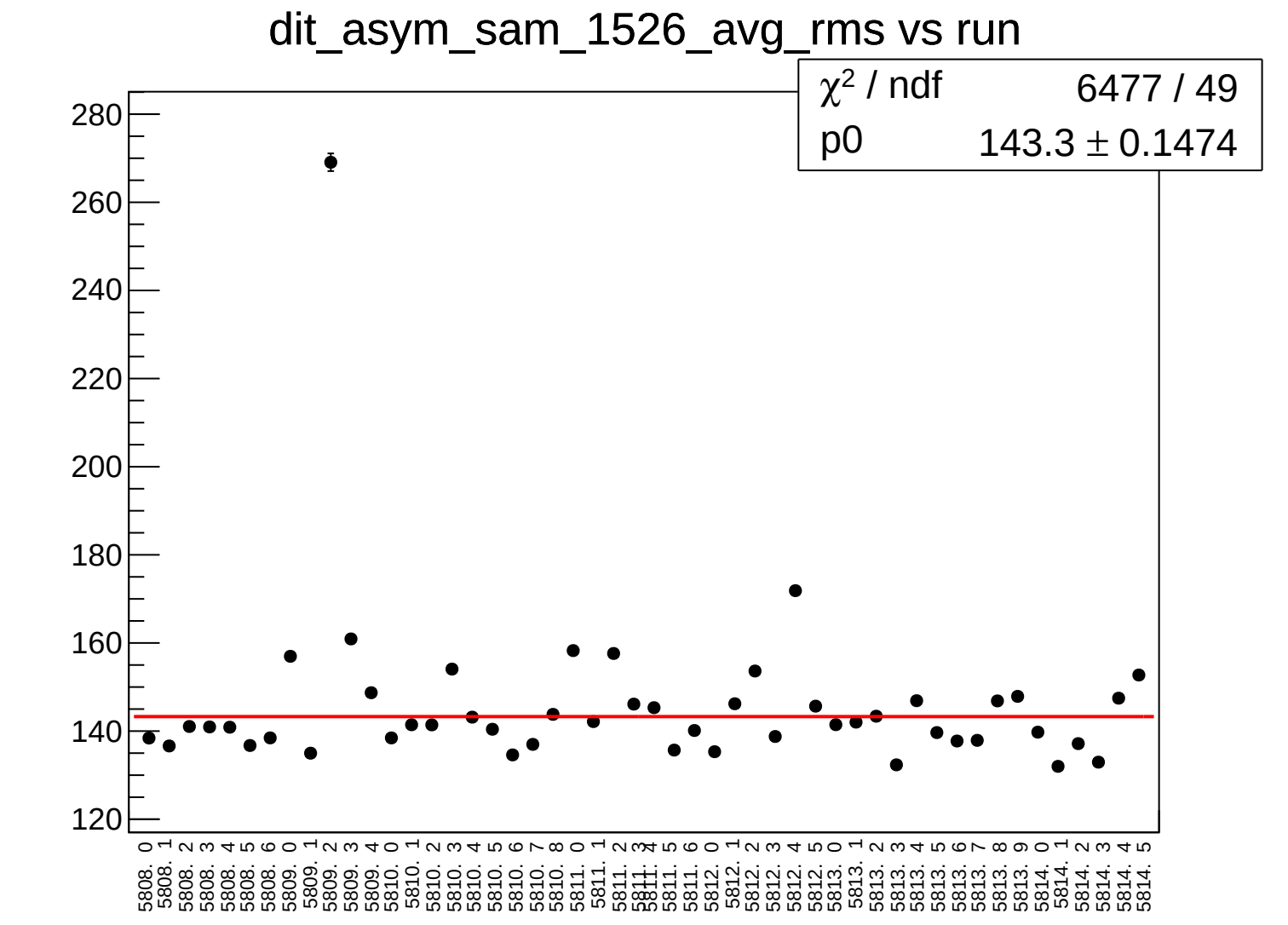

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 5761 / 49
p0 127.3 ± 0.1308
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.34 / 49
p0 −2856 ± 1861
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 736.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.007878
Std Dev 0.9202
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 1879 / 49
p0 1283 ± 1.316
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_1526_avg_mean vs run
χ² / ndf 58.65 / 49
p0 −362.6 ± 208.4
pull
Entries 50
Mean −1334
Std Dev 0


pull1D
Entries 50
Mean −0.002012
Std Dev 1.083


dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6477 / 49
p0 143.3 ± 0.1474
280
260
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 0
5814. 1
5814. 2
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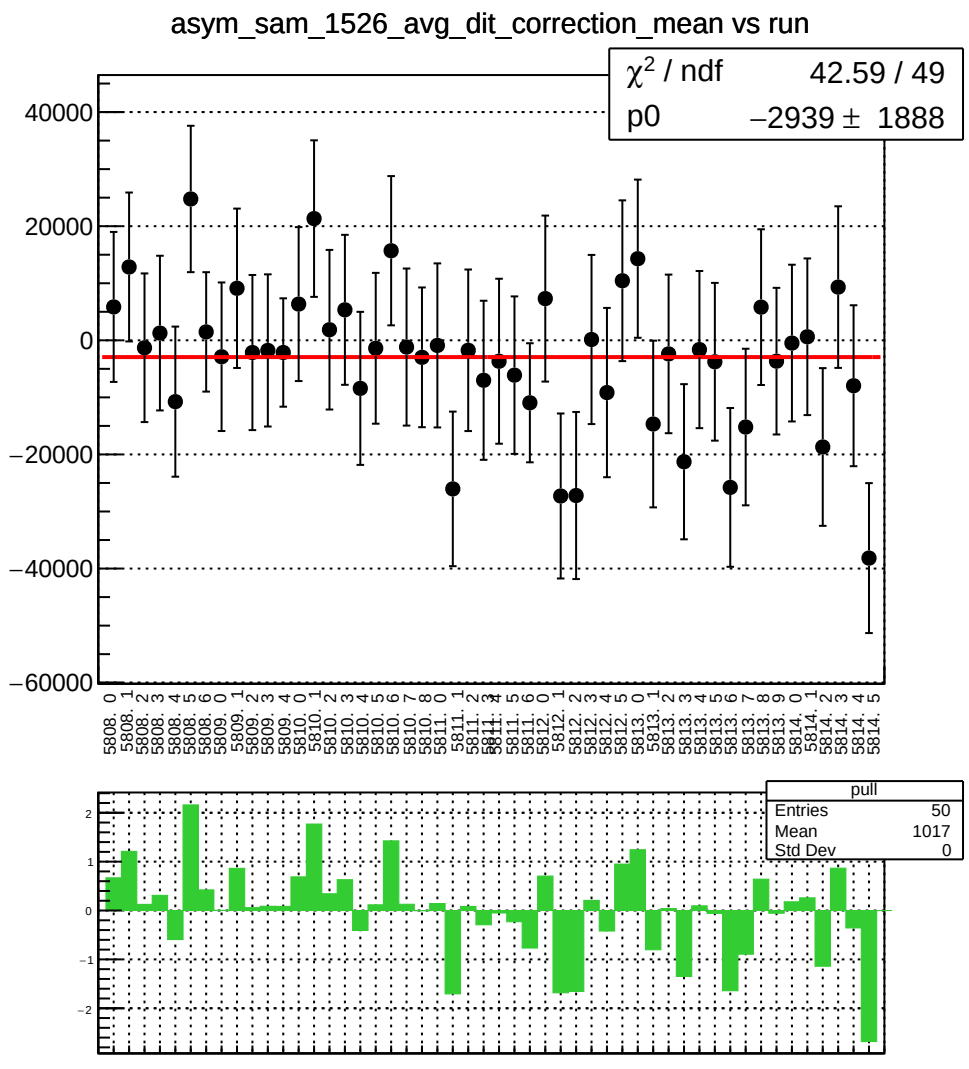
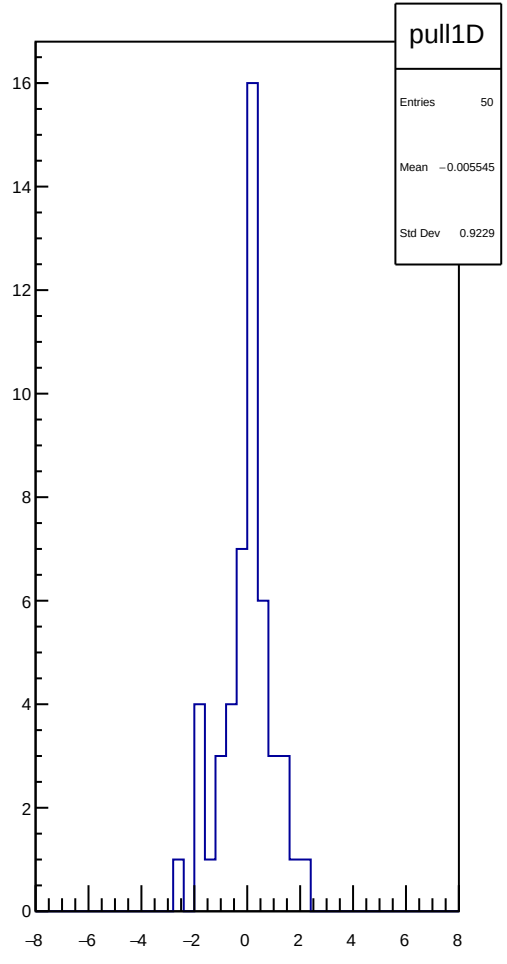
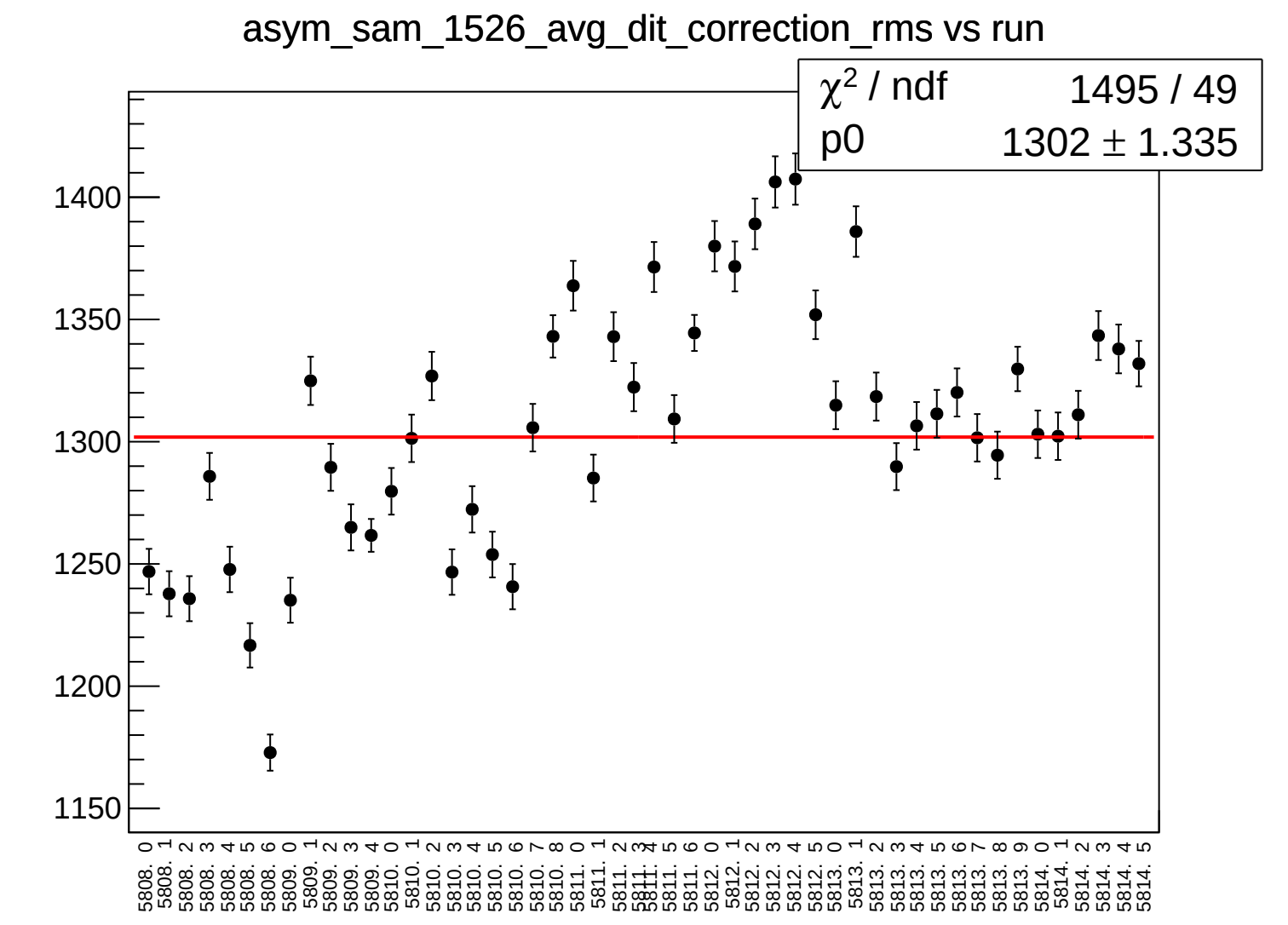
5814. 4
5814. 5


asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 42.59 / 49
p0 −2939 ± 1888
pull
Entries 50
Mean 1017
Std Dev 0


pull1D
Entries 50
Mean −0.005545
Std Dev 0.9229


asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 1495 / 49
p0 1302 ± 1.335
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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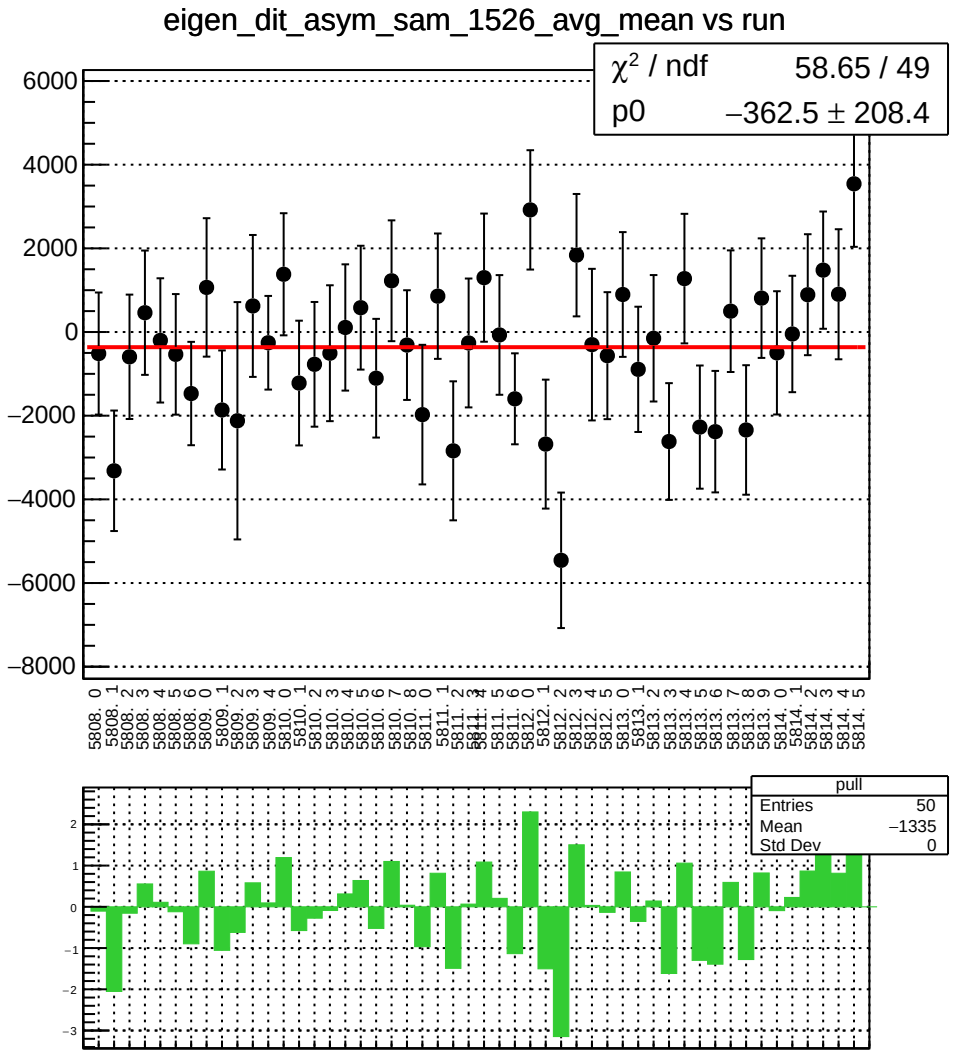
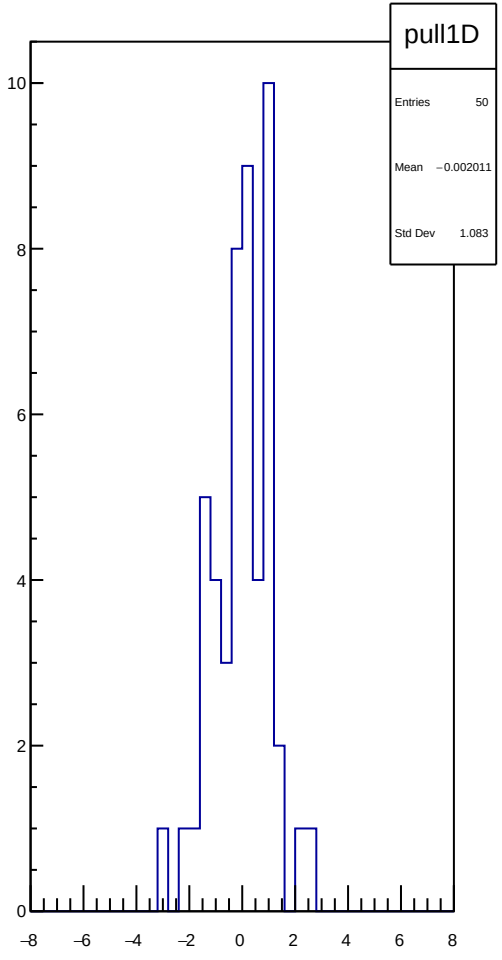
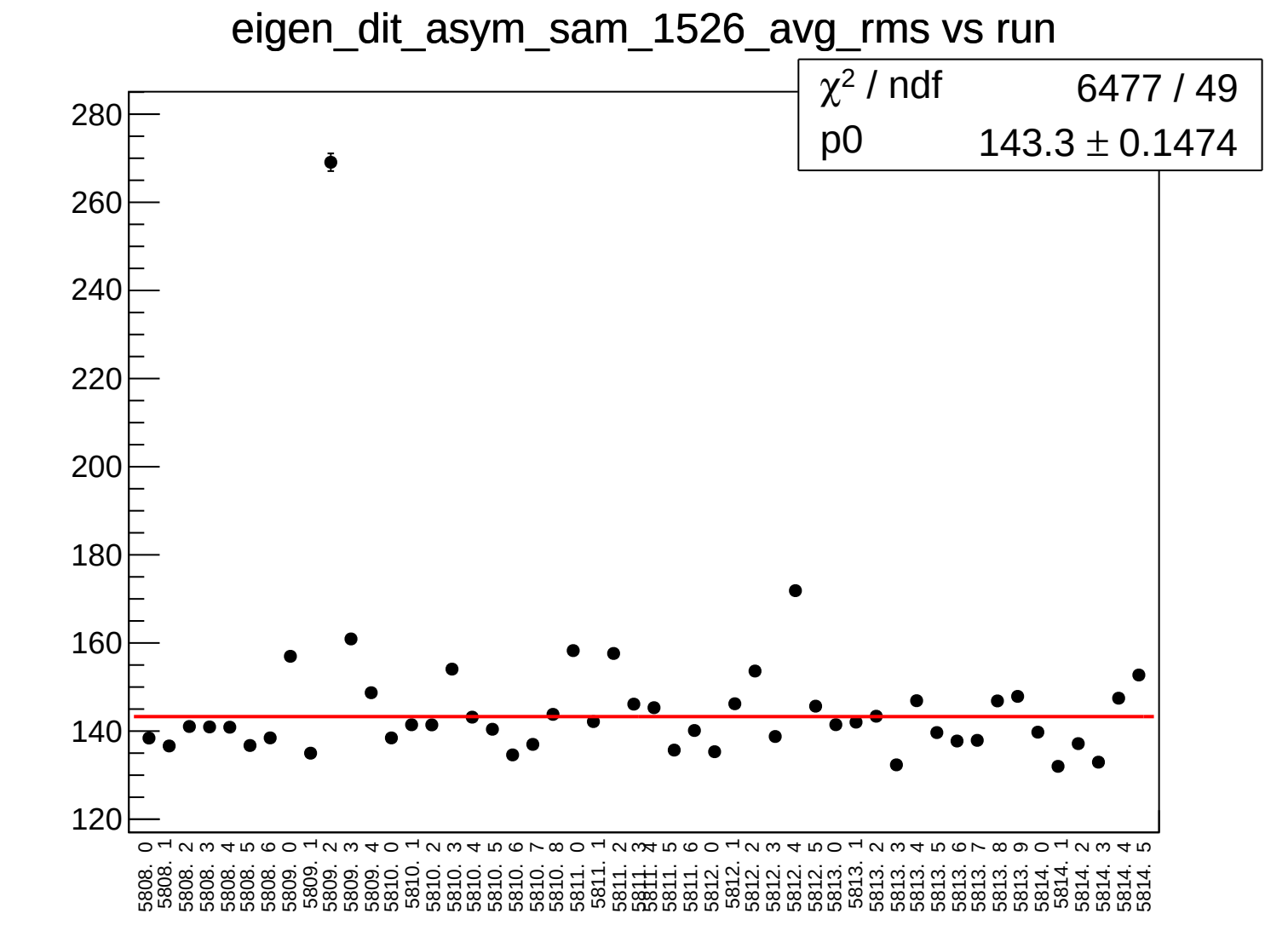
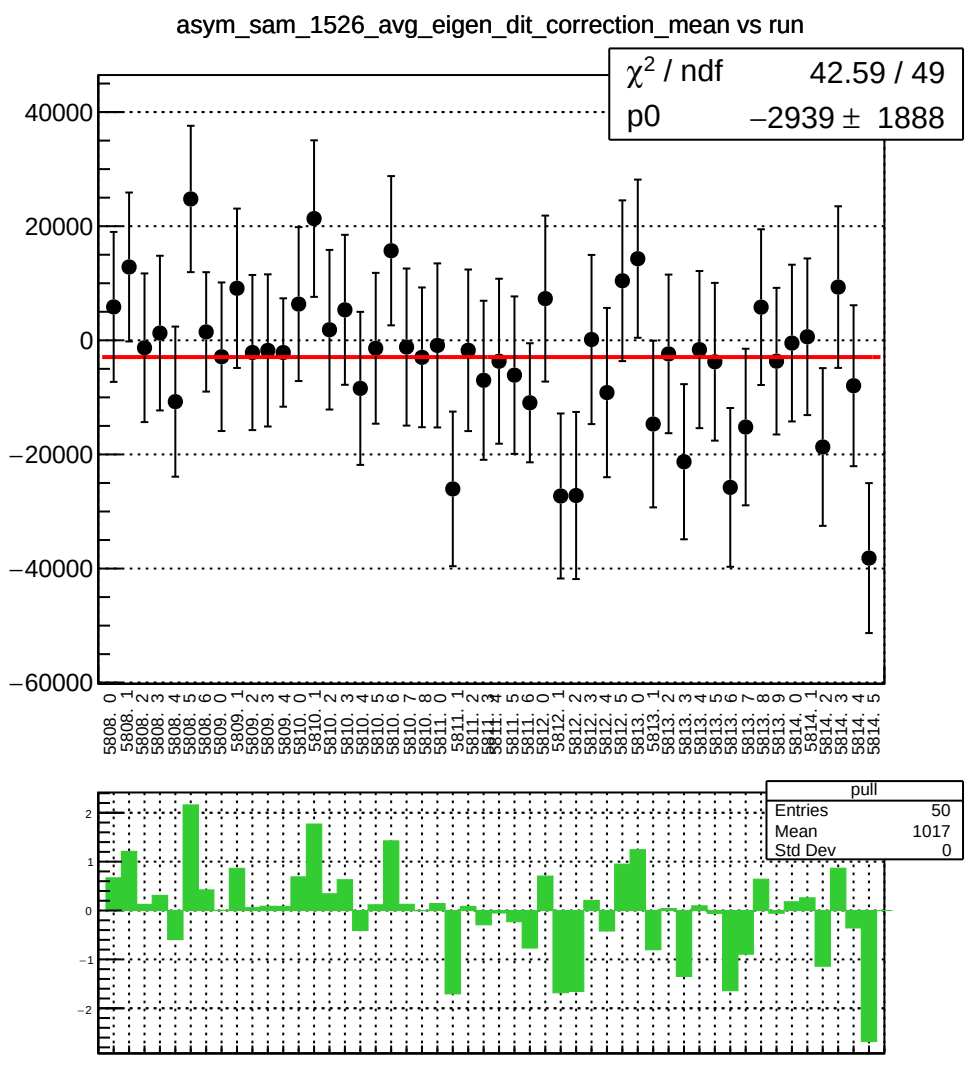
5814. 4
5814. 5


eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 58.65 / 49
p0 −362.5 ± 208.4
pull
Entries 50
Mean −1335
Std Dev 0


pull1D
Entries 50
Mean −0.002011
Std Dev 1.083


eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 6477 / 49
p0 143.3 ± 0.1474
280
260
240
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.59 / 49
p0 −2939 ± 1888
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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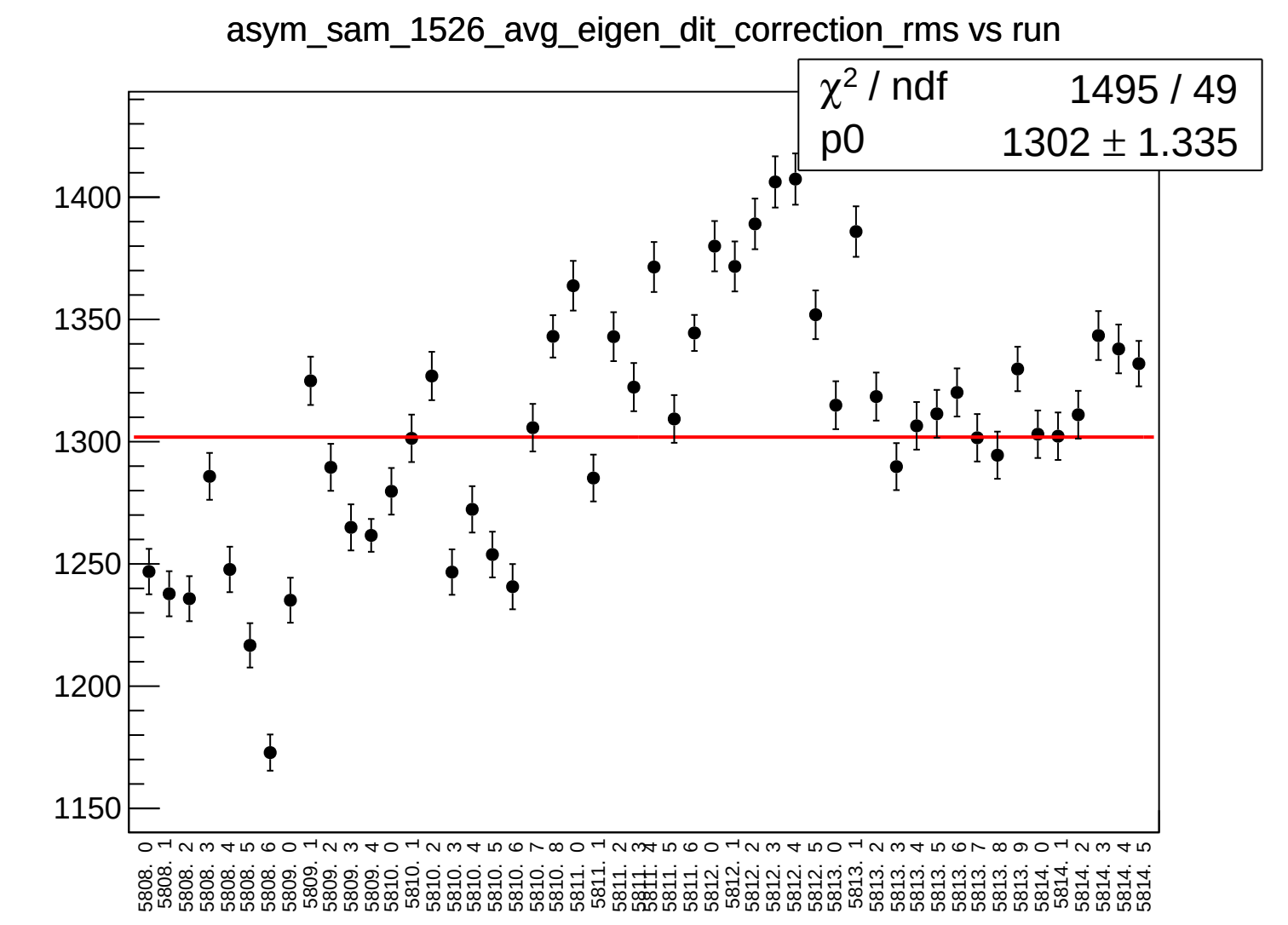
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1017
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.005545
Std Dev 0.9229
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 1495 / 49
p0 1302 ± 1.335
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
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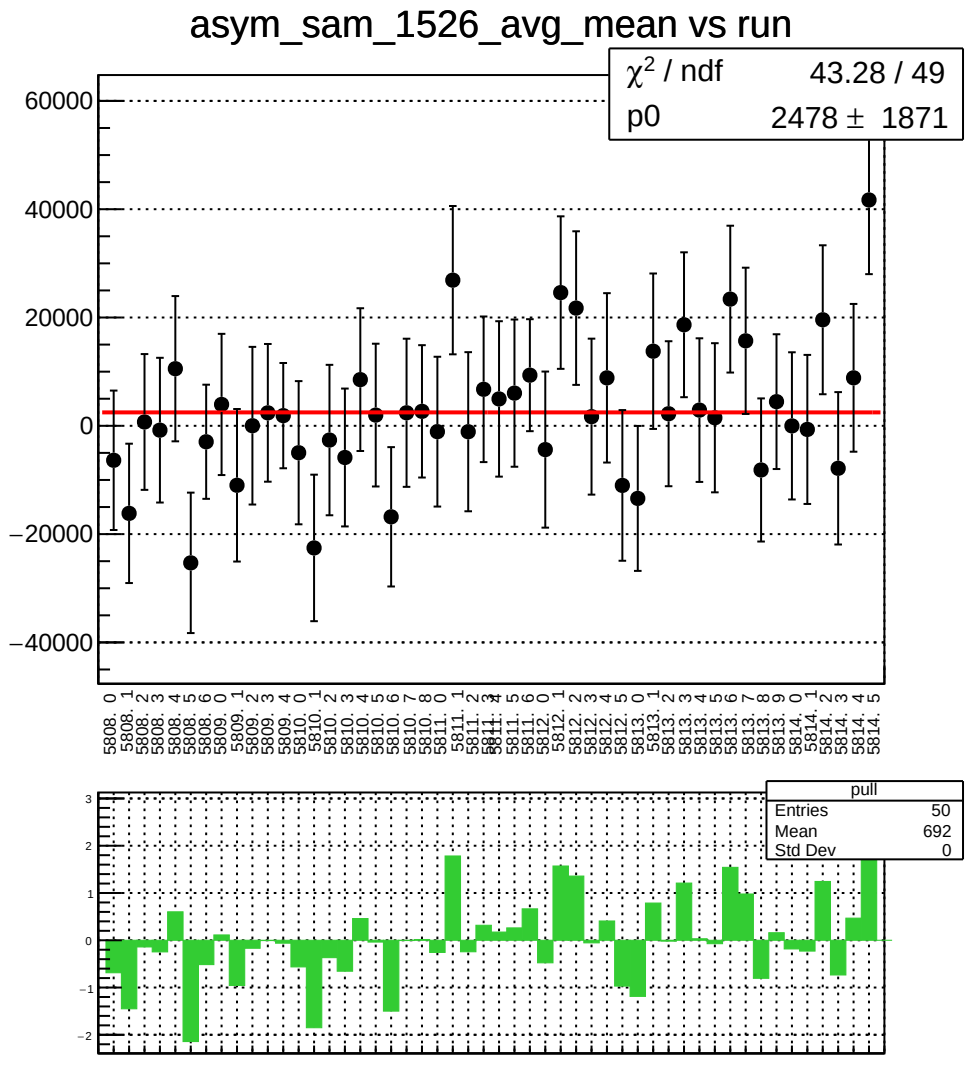
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1526_avg_mean vs run
χ^2 / ndf 43.28 / 49
p0 2478 ± 1871
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 5
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5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
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5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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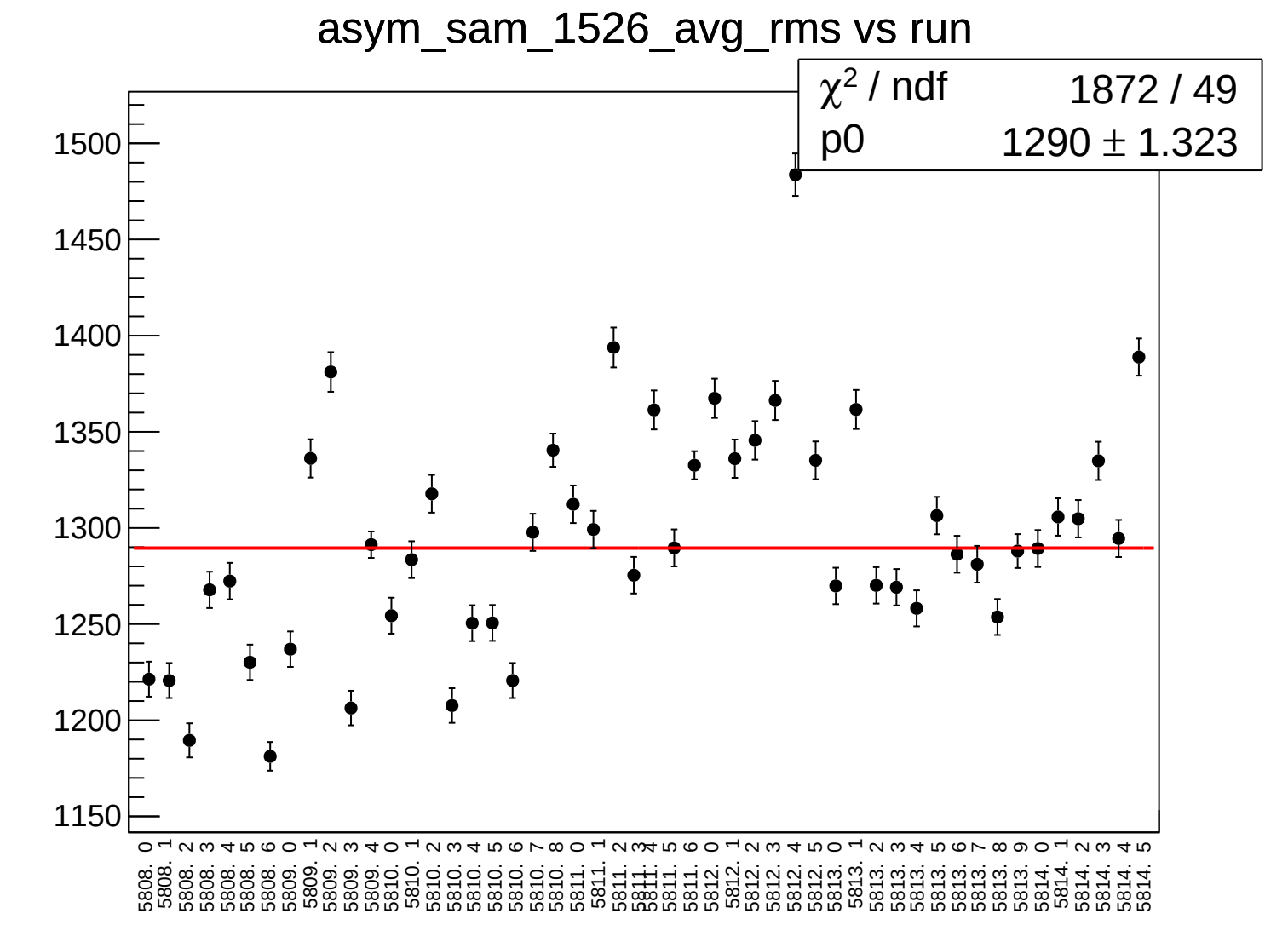
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 692
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.008684
Std Dev 0.9304
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1526_avg_rms vs run
χ² / ndf 1872 / 49
p0 1290 ± 1.323
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 4
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5812. 0
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5812. 4
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5813. 0
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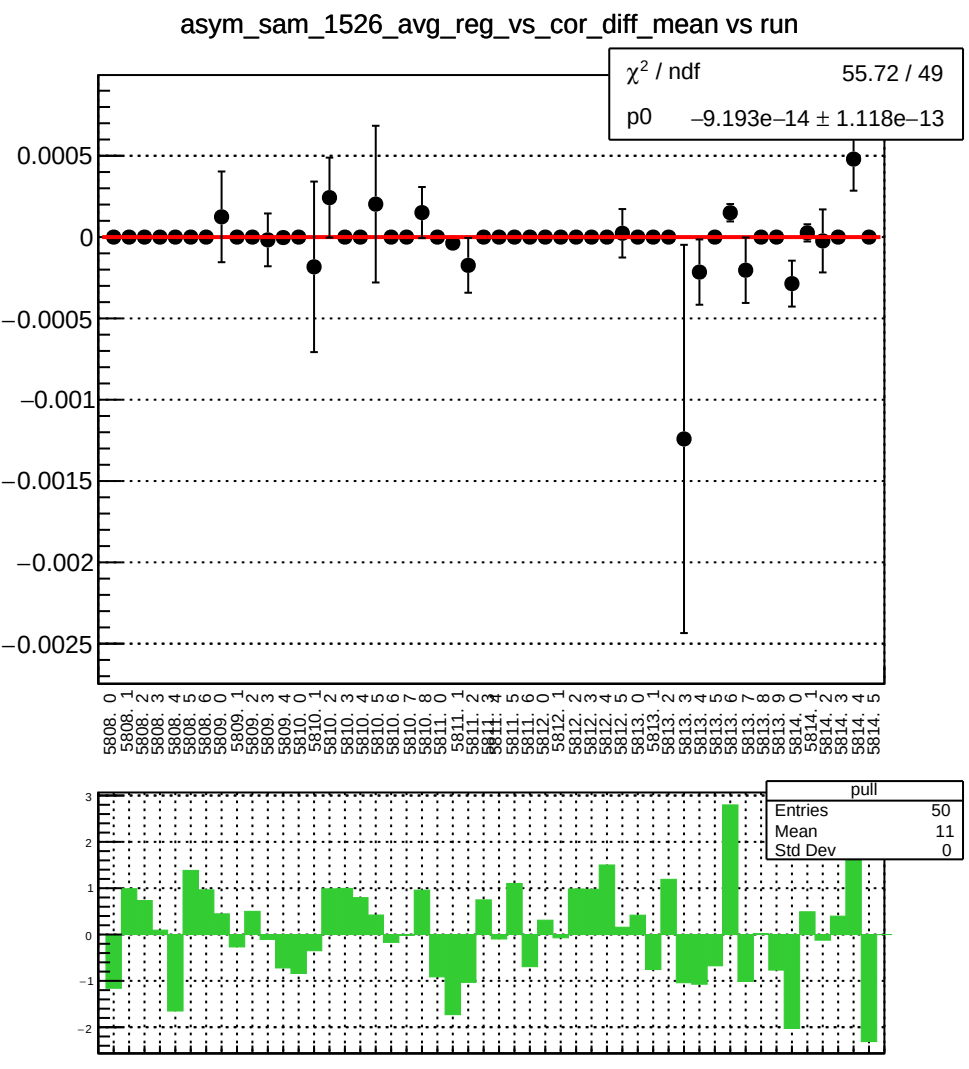
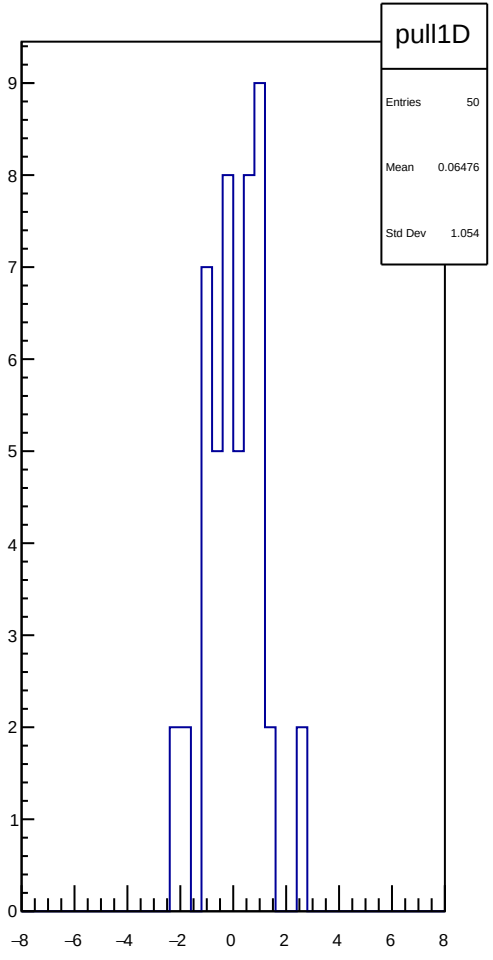
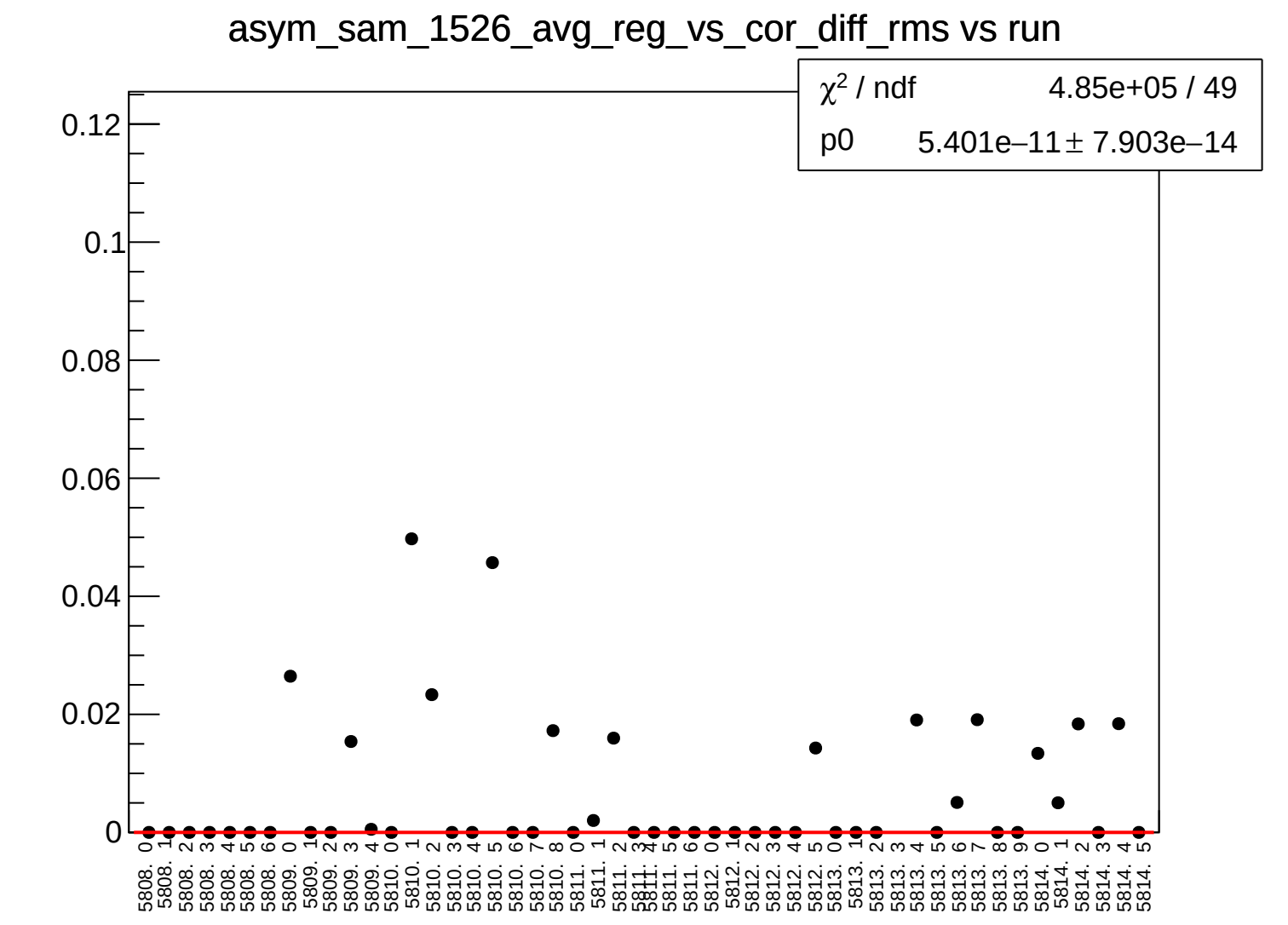
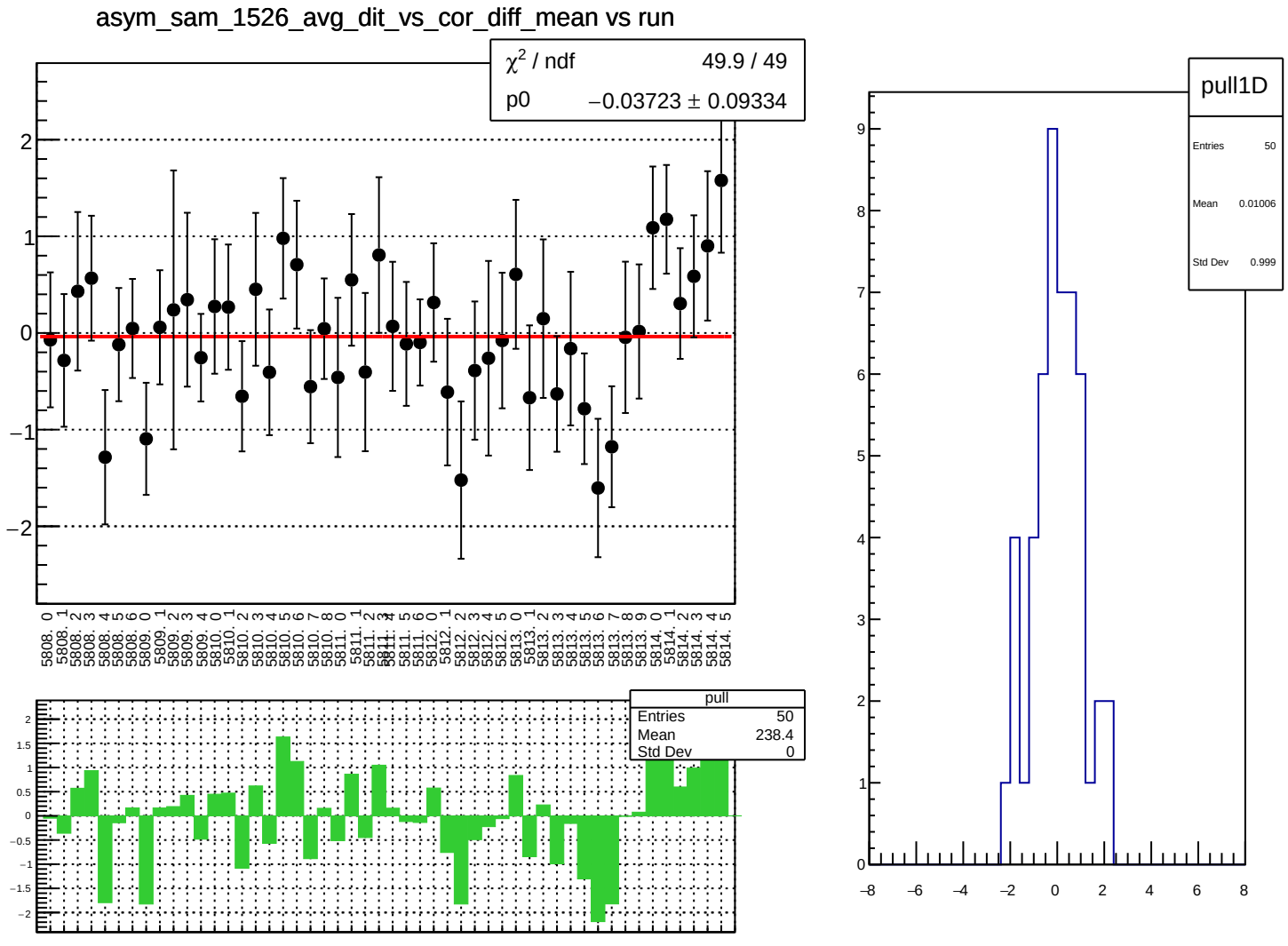
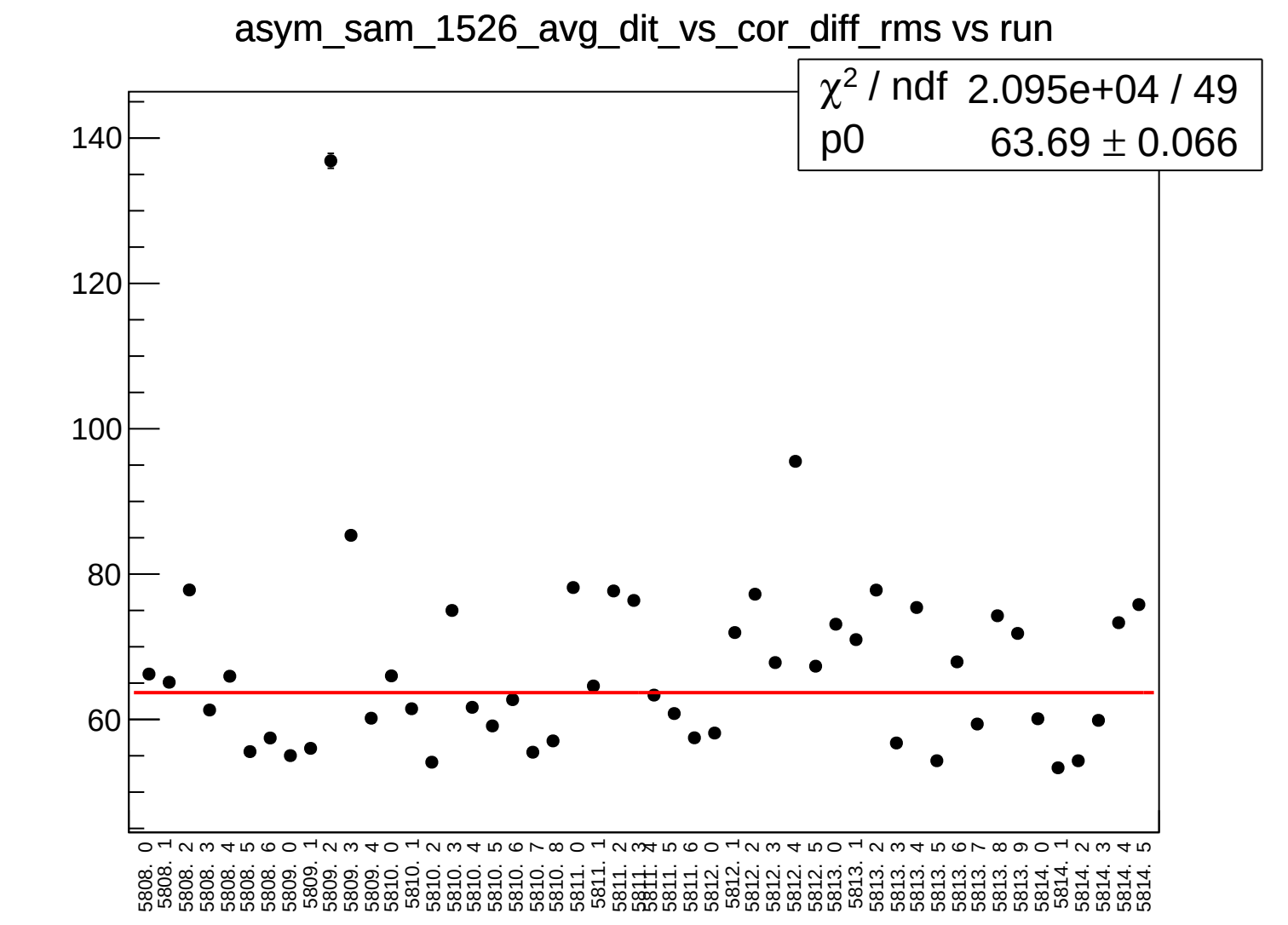
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

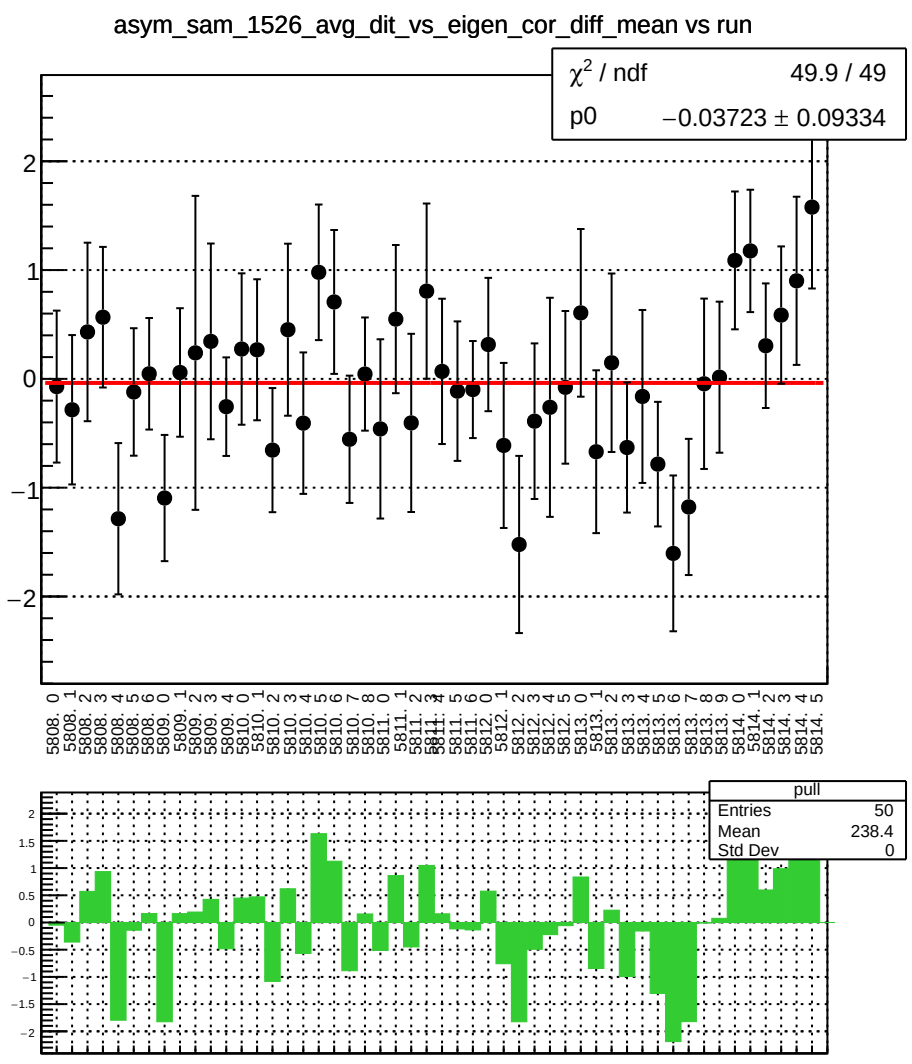

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.72 / 49
p0 −9.193e−14 ± 1.118e−13
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 50
Mean 11
Std Dev 0
3
2
1
0
−1
−2

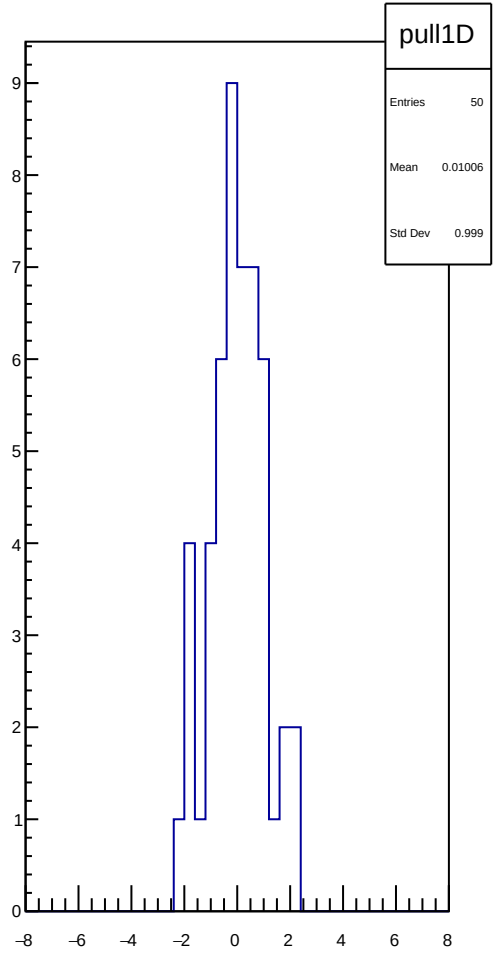

pull1D
Entries 50
Mean 0.06476
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

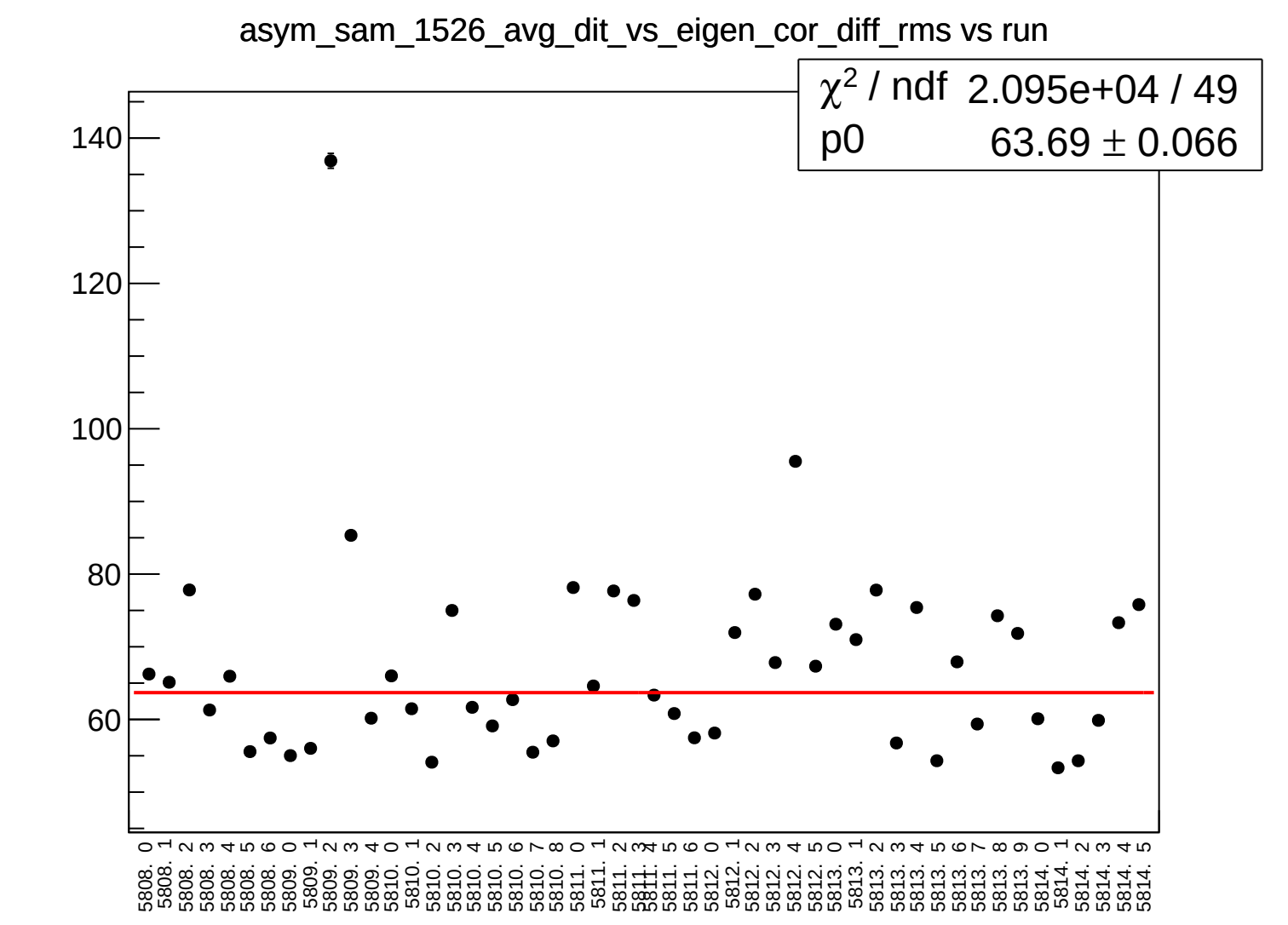

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.85e+05 / 49
p0 5.401e−11 ± 7.903e−14
0.12
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

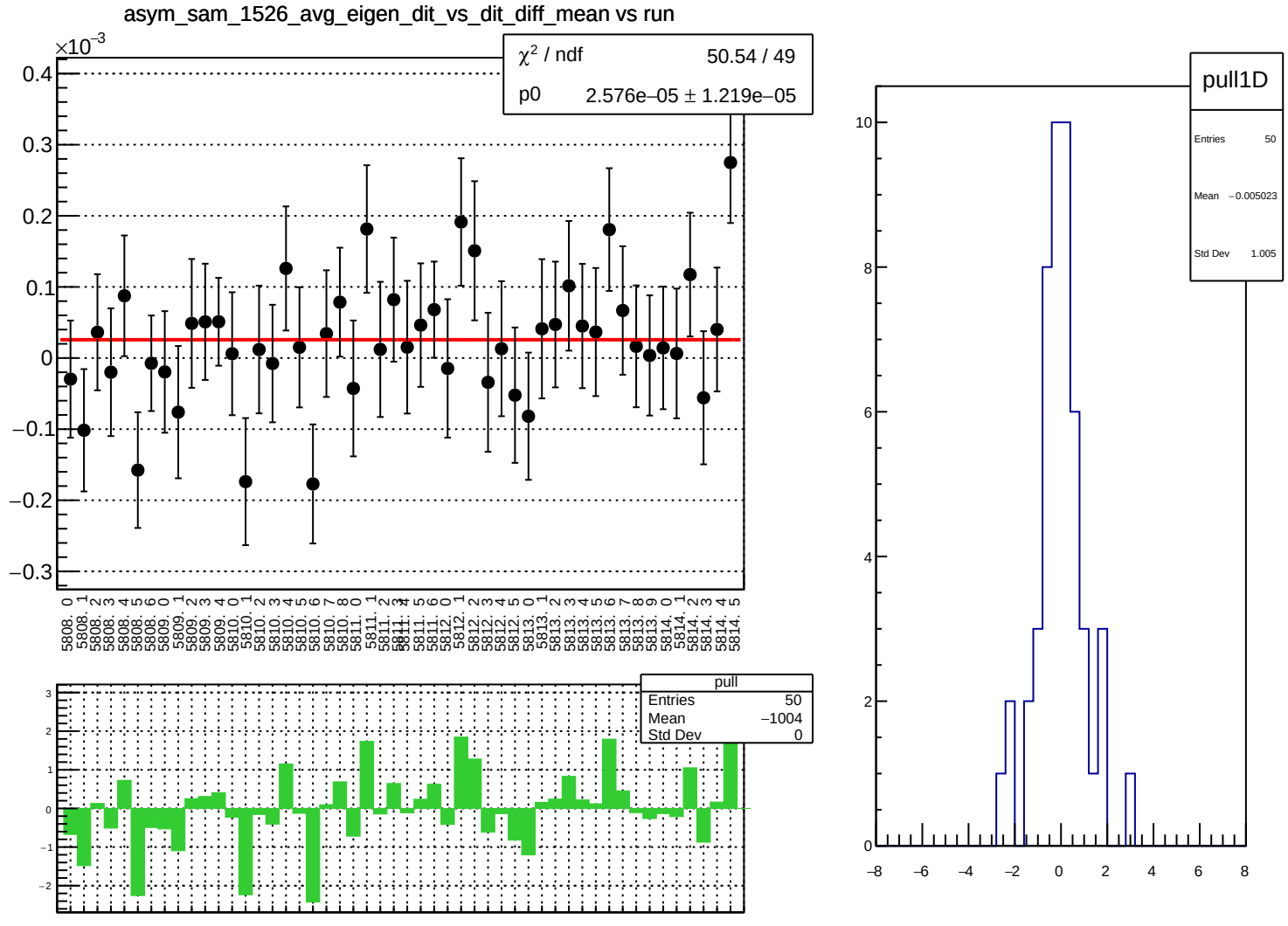

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.9 / 49
p0 −0.03723 ± 0.09334
pull
Entries 50
Mean 238.4
Std Dev 0
pull1D
Entries 50
Mean 0.01006
Std Dev 0.999

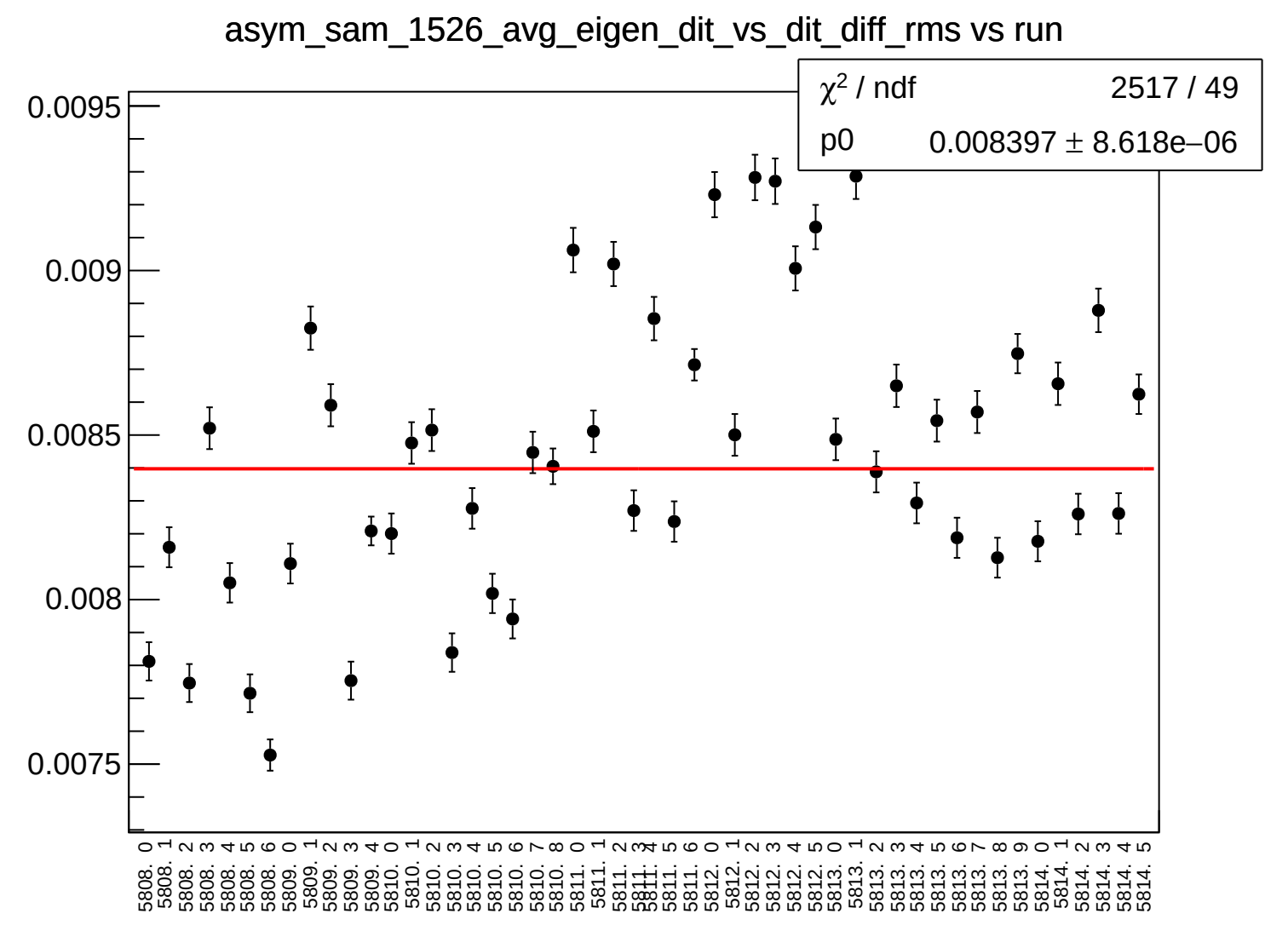

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 49
p0 63.69 ± 0.066
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

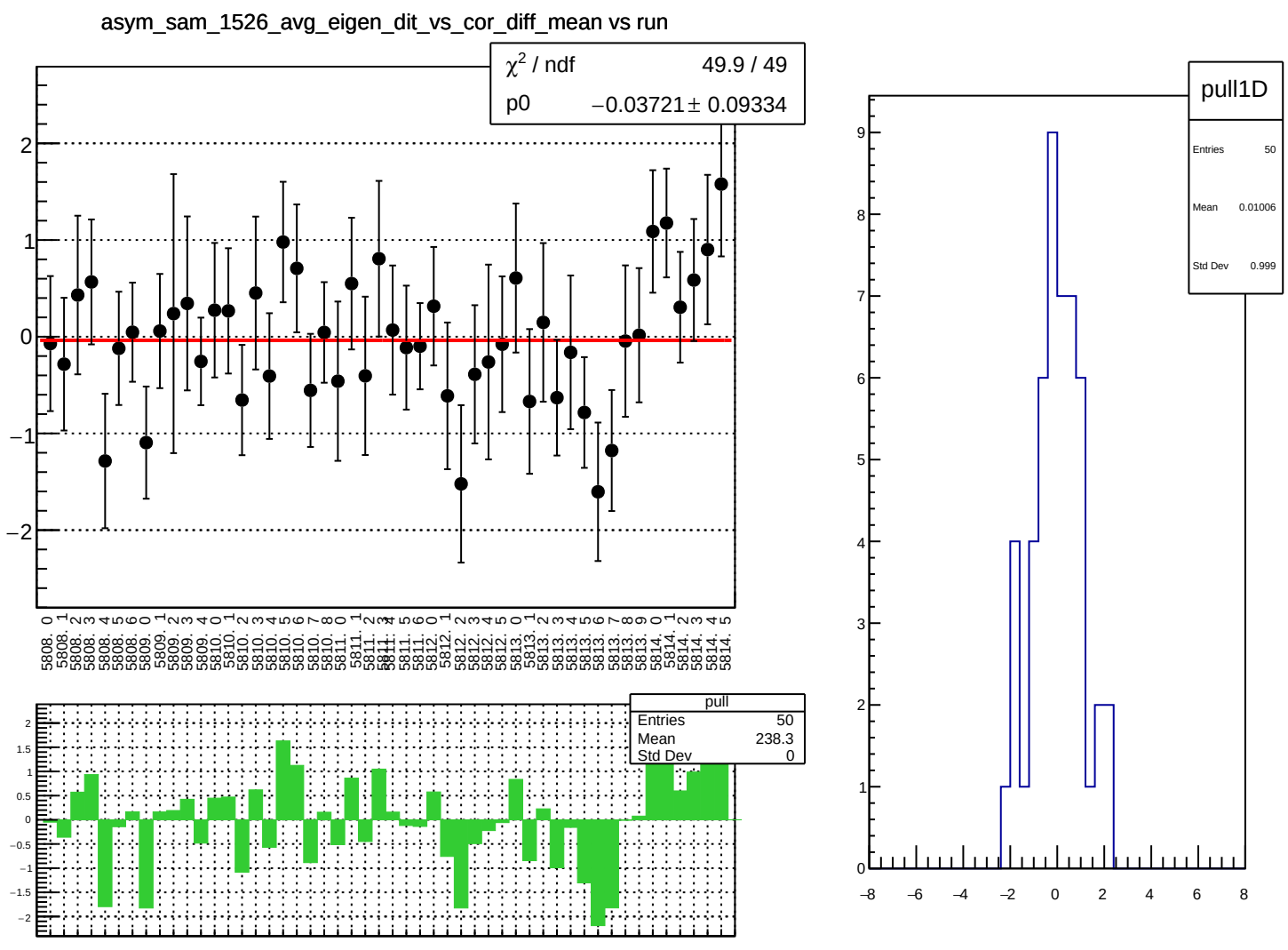

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.9 / 49
p0 −0.03723 ± 0.09334
pull
Entries 50
Mean 238.4
Std Dev 0

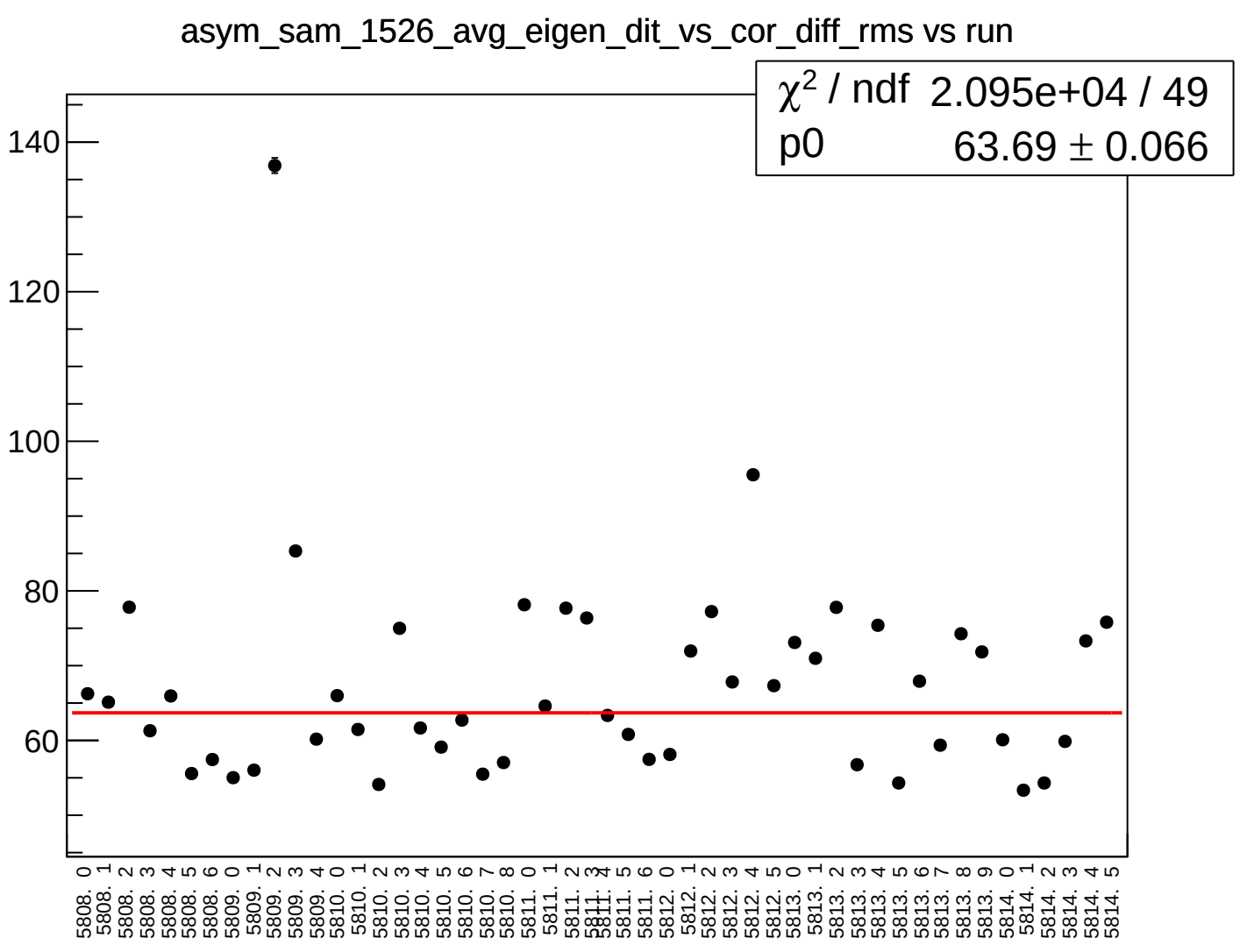

pull1D
Entries 50
Mean 0.01006
Std Dev 0.999

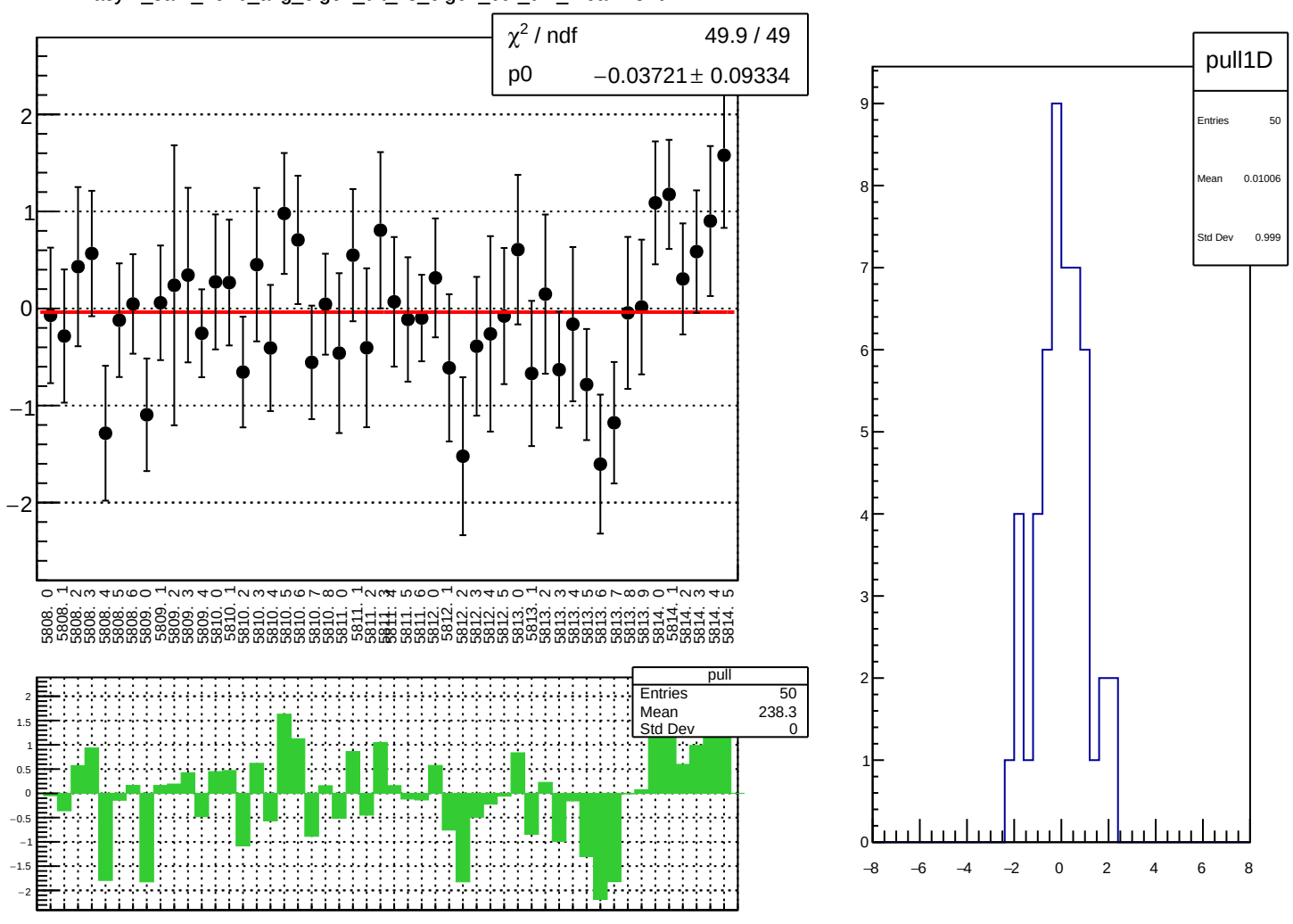

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 49
p0 63.69 ± 0.066
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

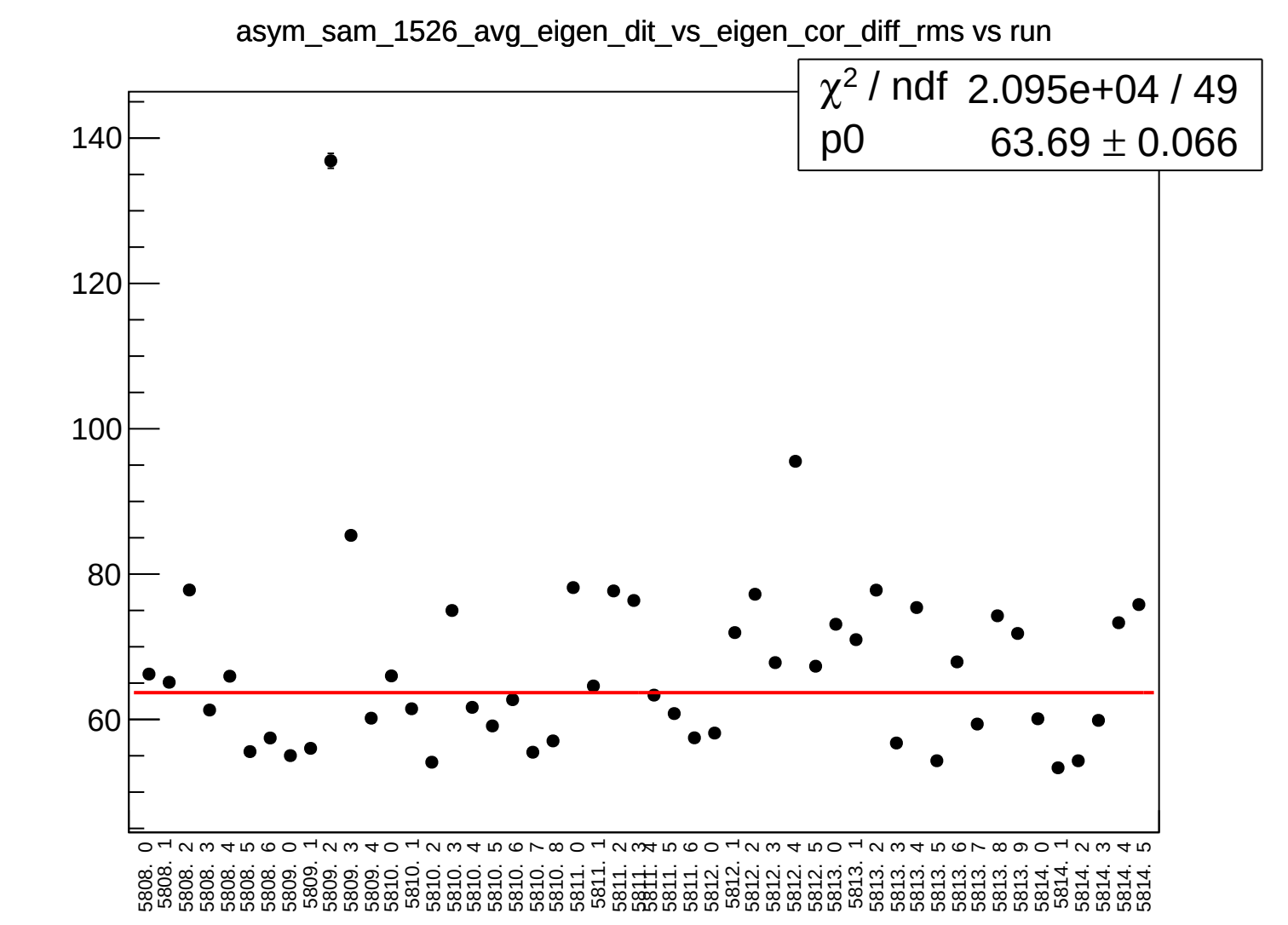

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.54 / 49
p0 2.576e−05 ± 1.219e−05
pull
Entries 50
Mean −1004
Std Dev 0
pull1D
Entries 50
Mean −0.005023
Std Dev 1.005

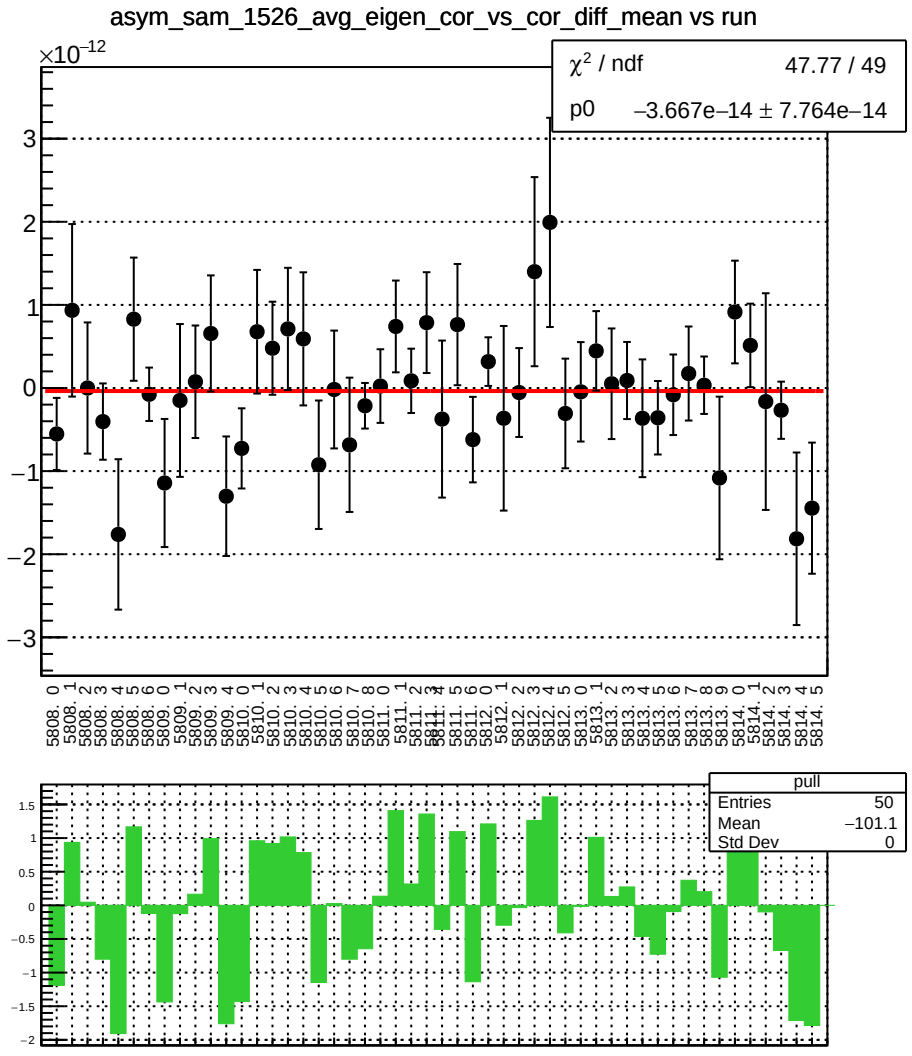

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2517 / 49
p0 0.008397 ± 8.618e−06
0.0095
0.009
0.0085
0.008
0.0075
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

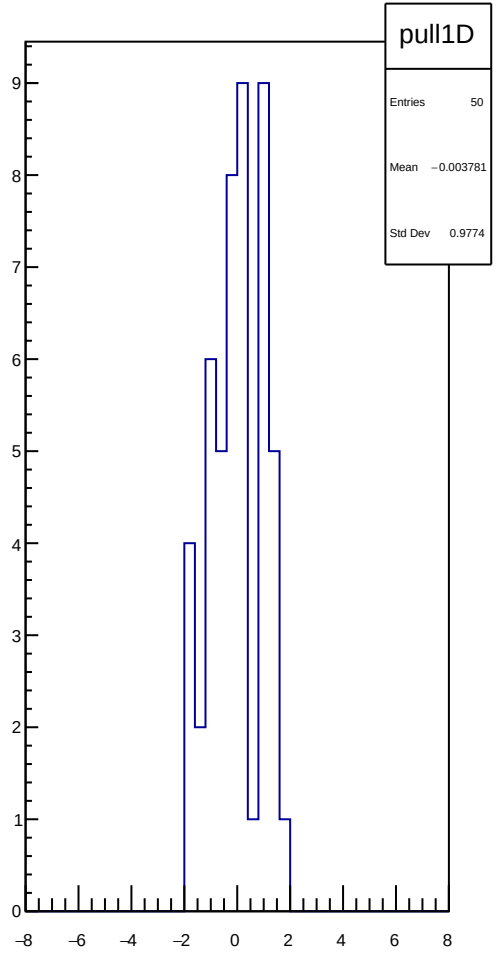

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.9 / 49
p0 −0.03721 ± 0.09334
pull
Entries 50
Mean 238.3
Std Dev 0
pull1D
Entries 50
Mean 0.01006
Std Dev 0.999

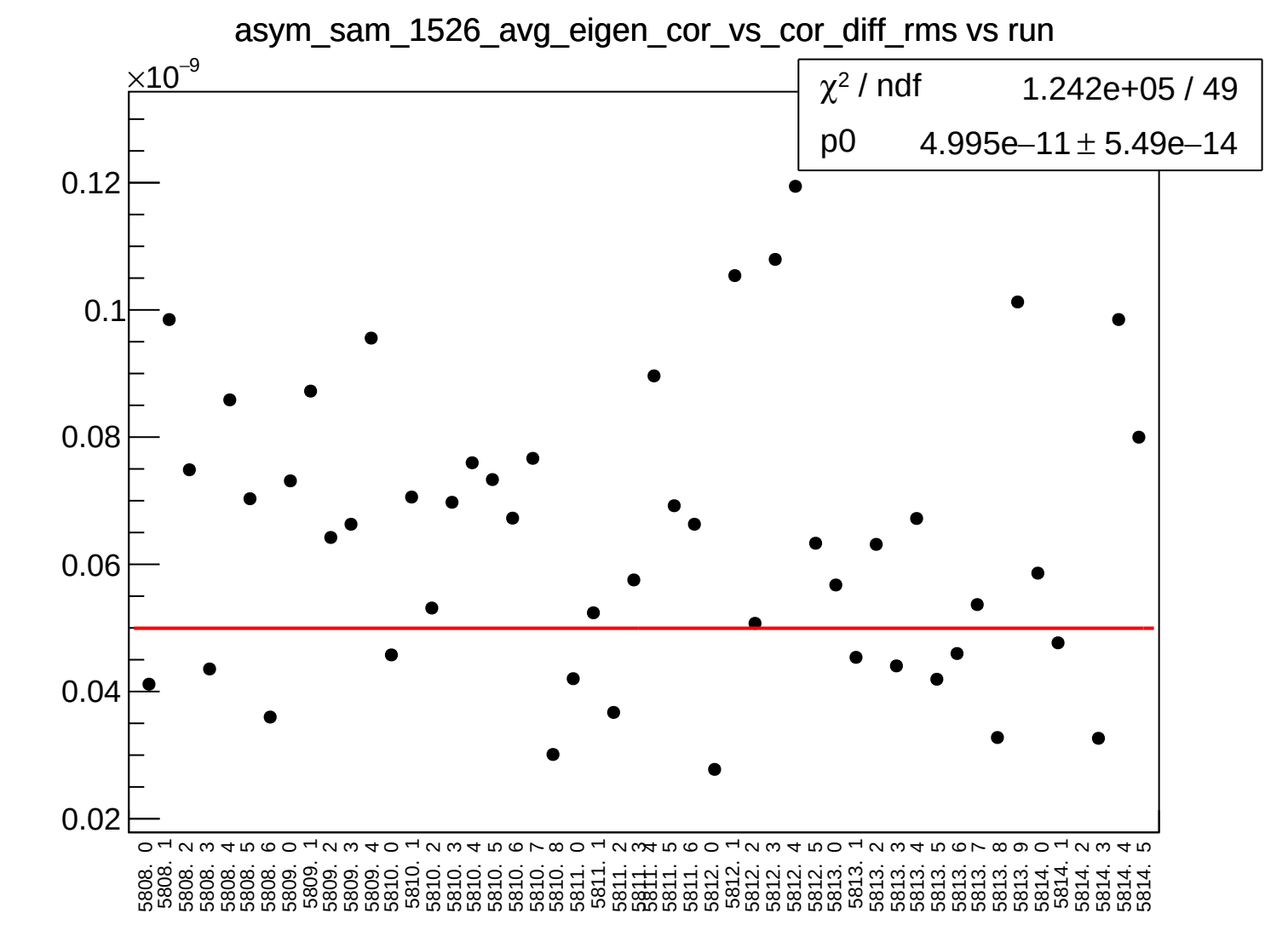

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 49
p0 63.69 ± 0.066
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

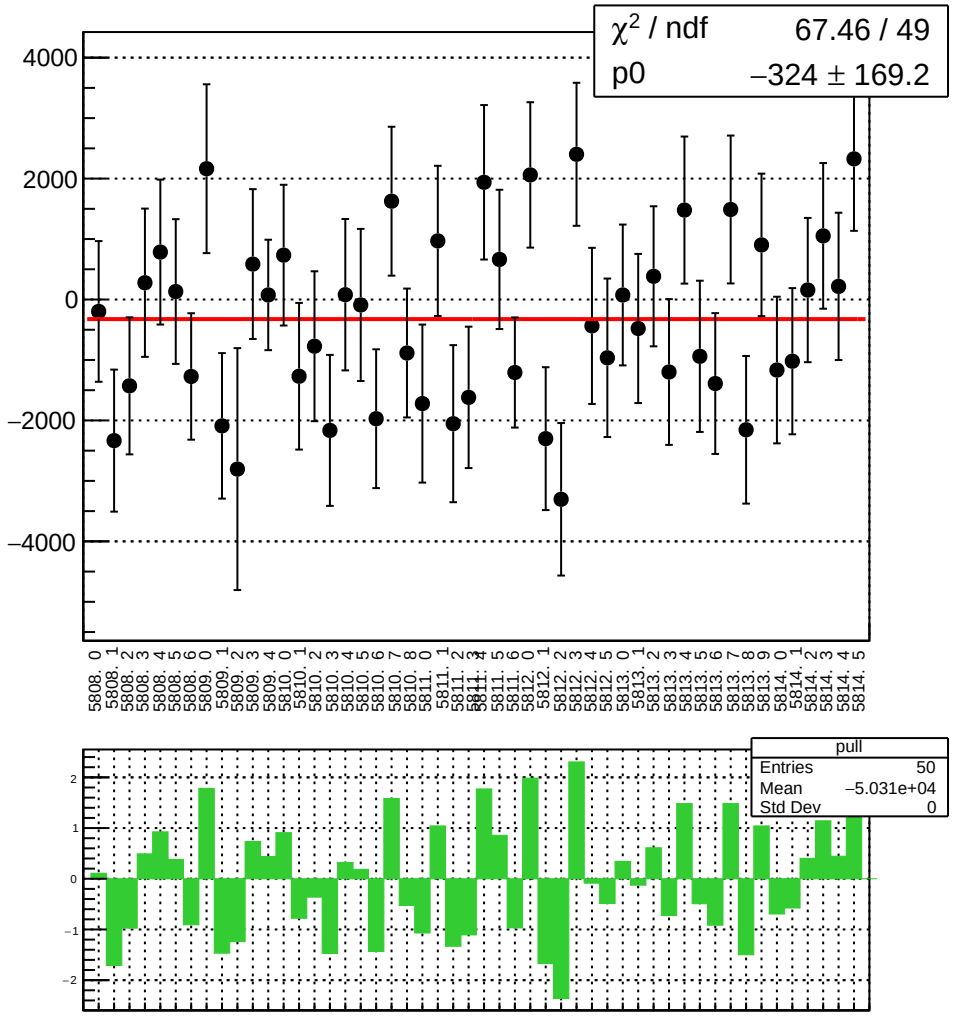

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.9 / 49
p0 −0.03721 ± 0.09334
pull
Entries 50
Mean 238.3
Std Dev 0
pull1D
Entries 50
Mean 0.01006
Std Dev 0.999

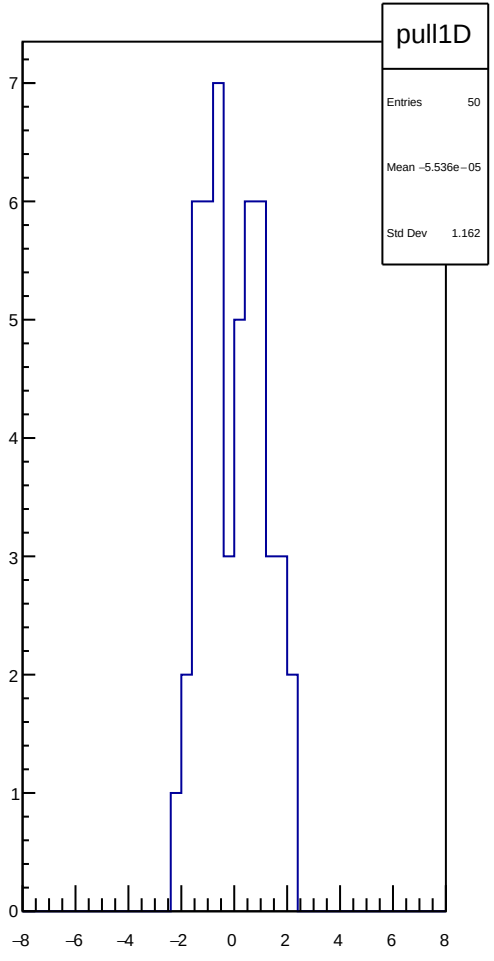

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.095e+04 / 49
p0 63.69 ± 0.066
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

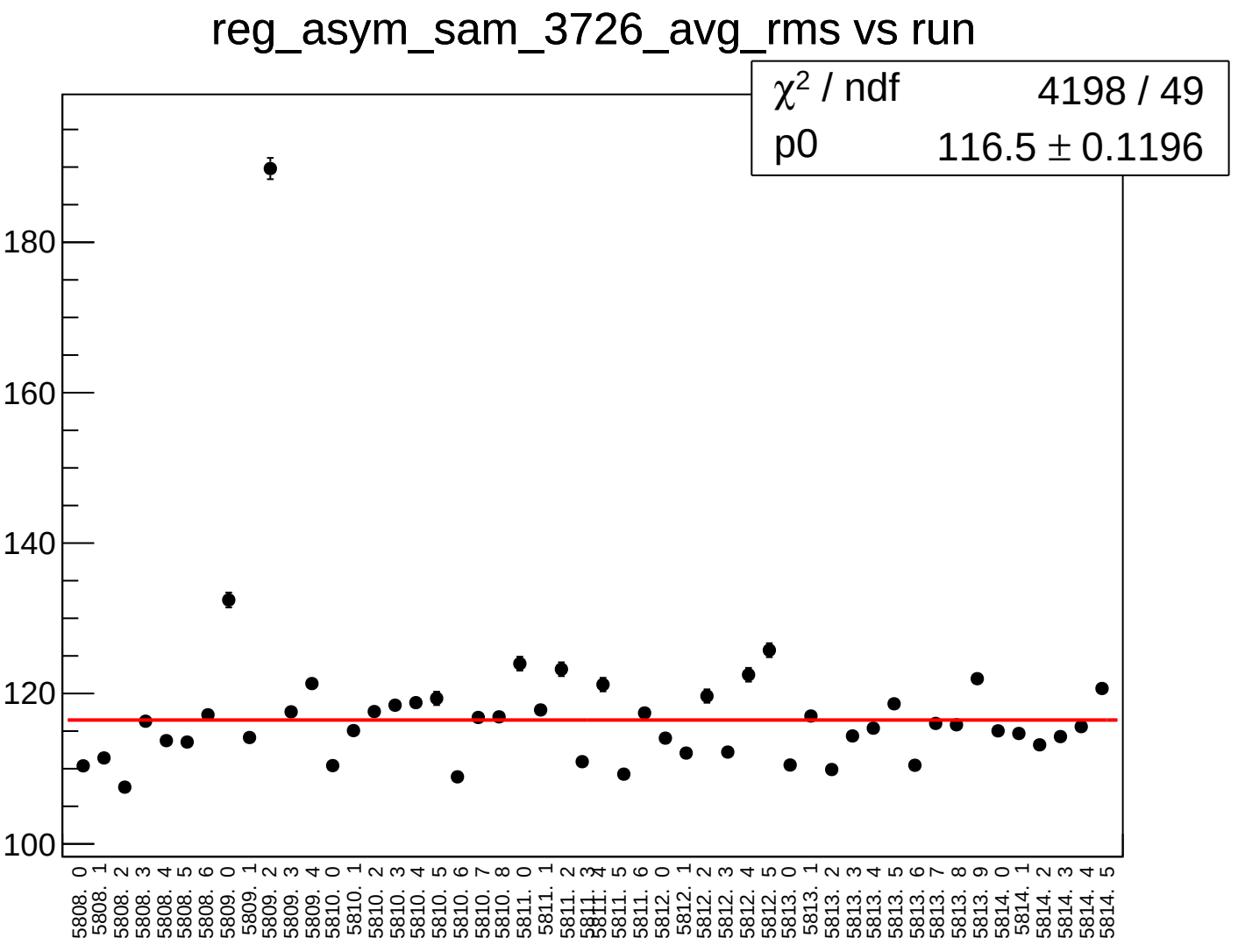

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.77 / 49
p0 −3.667e−14 ± 7.764e−14
pull
Entries 50
Mean −101.1
Std Dev 0

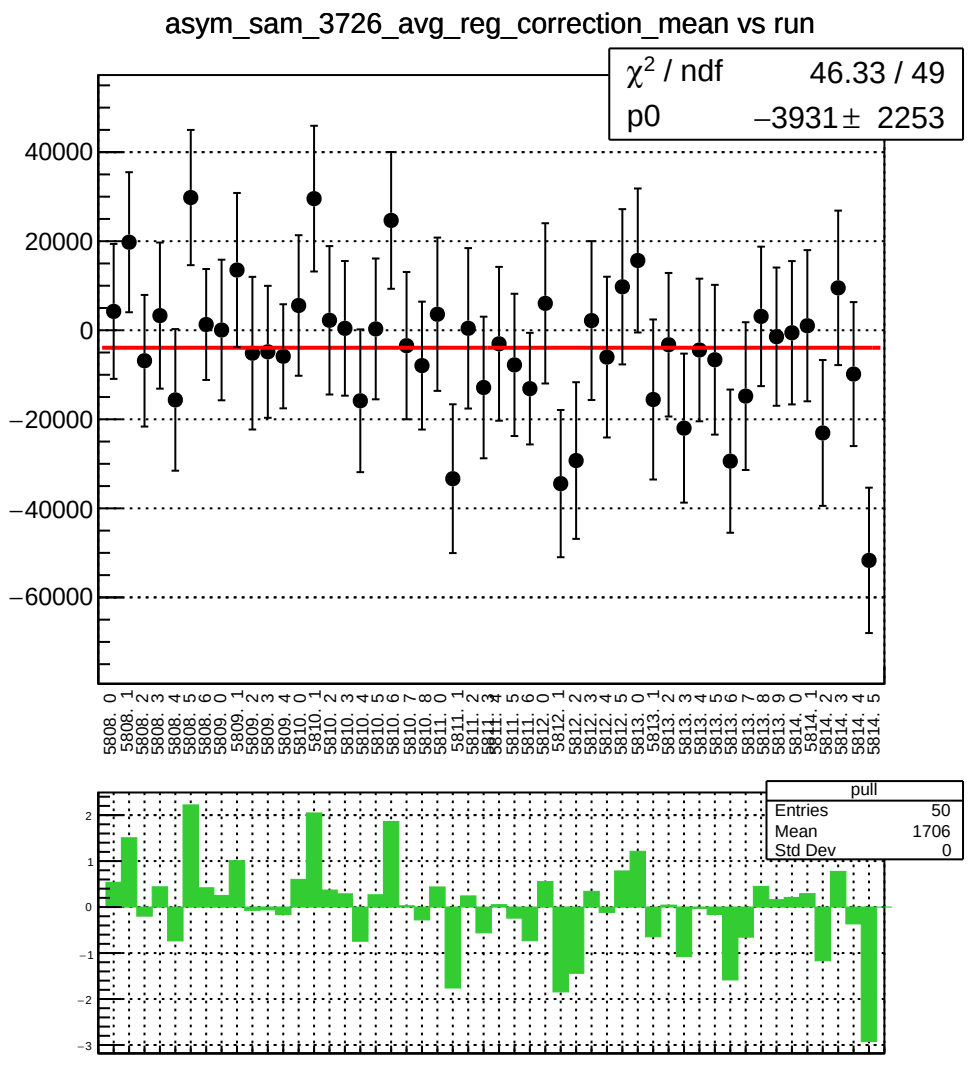

pull1D
Entries 50
Mean −0.003781
Std Dev 0.9774

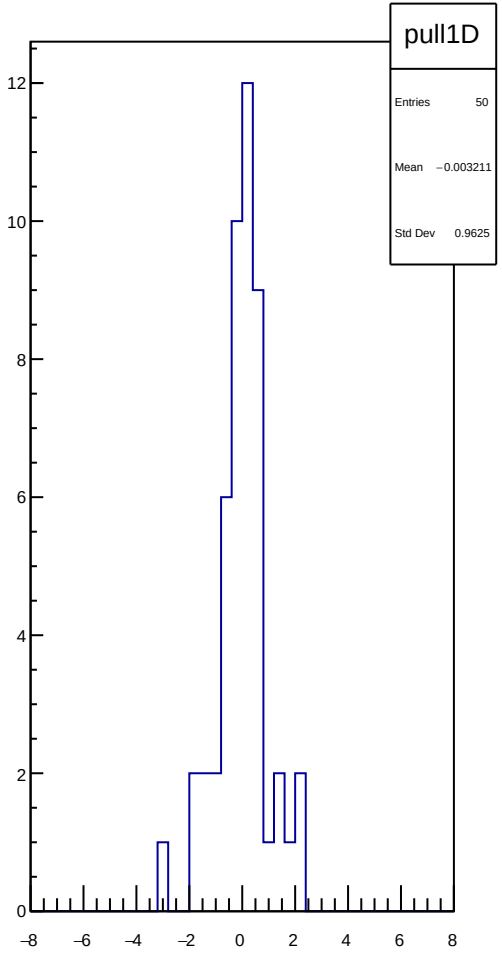

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.242e+05 / 49
p0 4.995e−11 ± 5.49e−14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

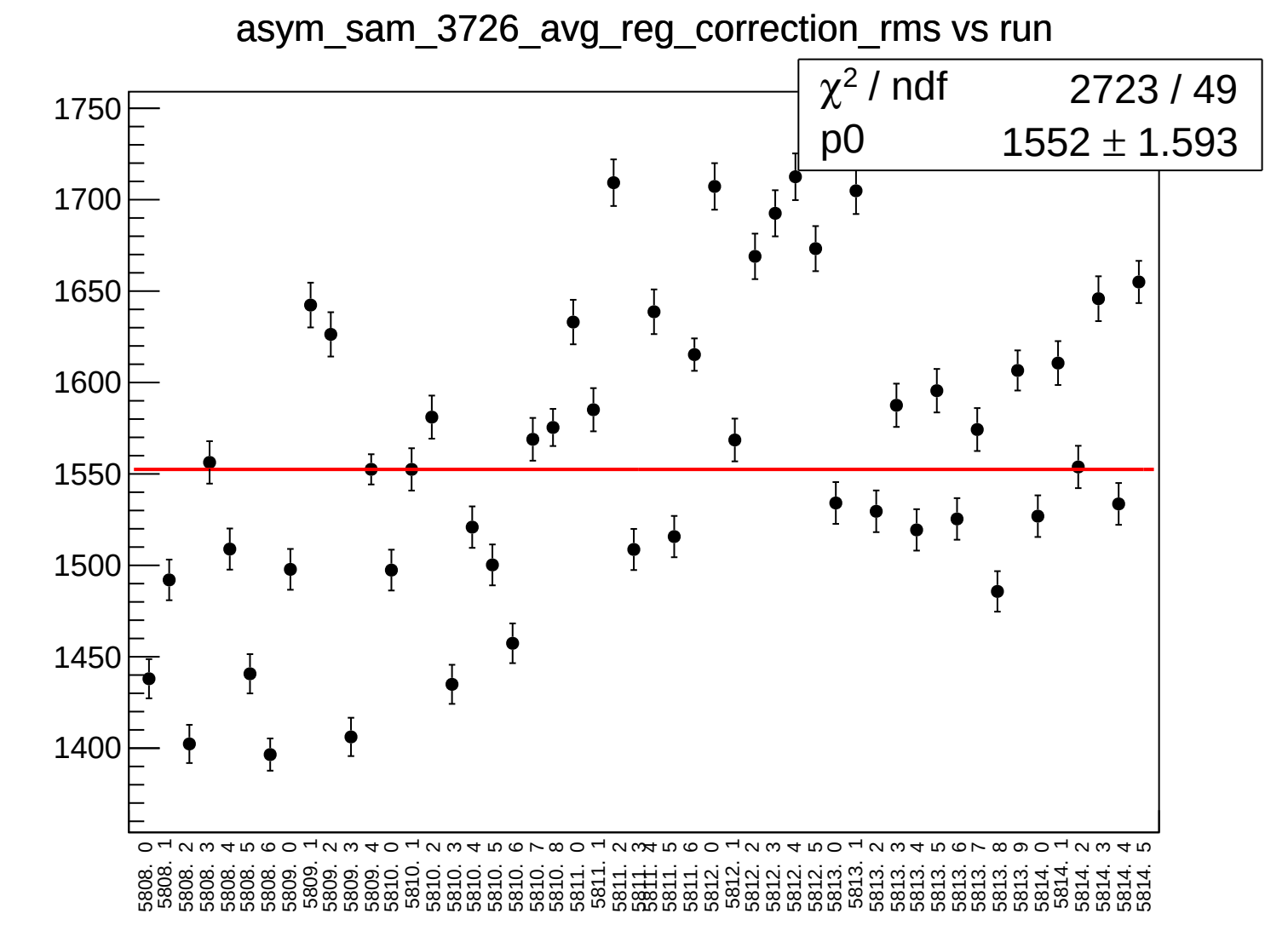

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 67.46 / 49
p0 −324 ± 169.2
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −5.031e+04
Std Dev 0

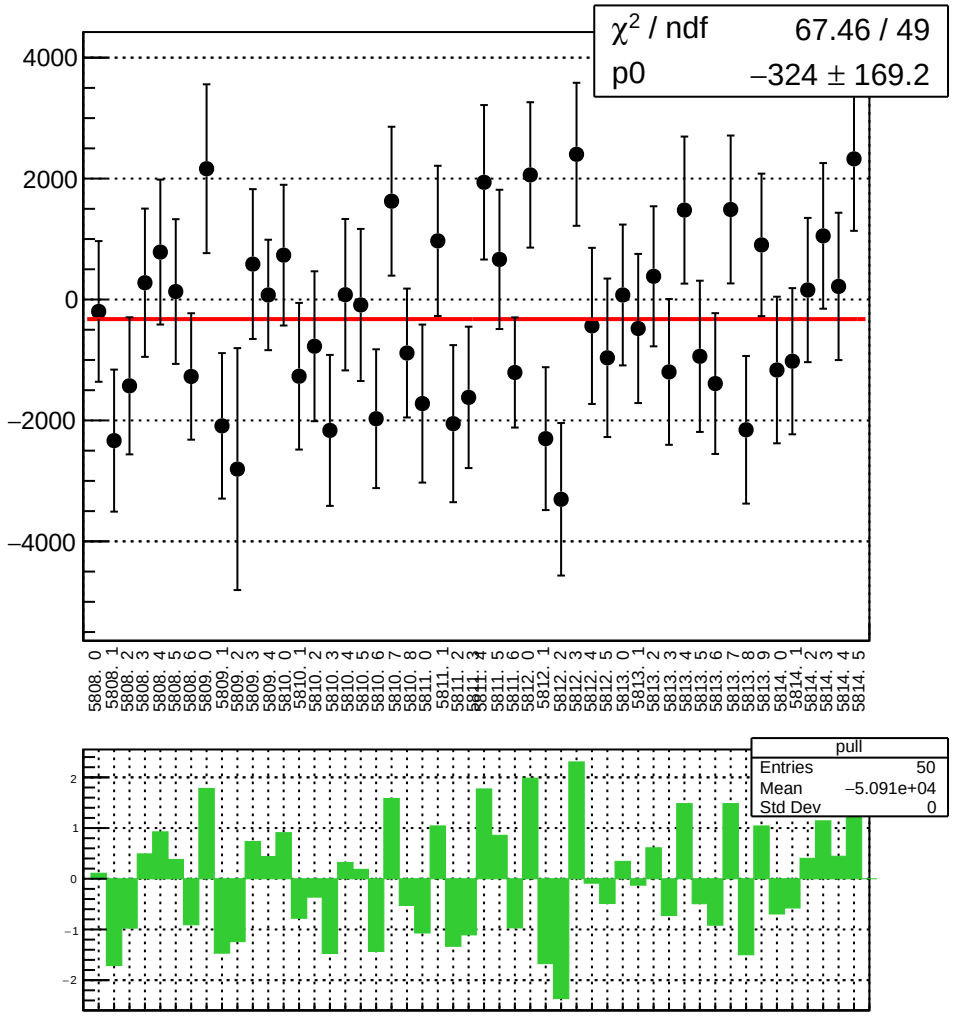

pull1D
Entries 50
Mean −5.536e−05
Std Dev 1.162

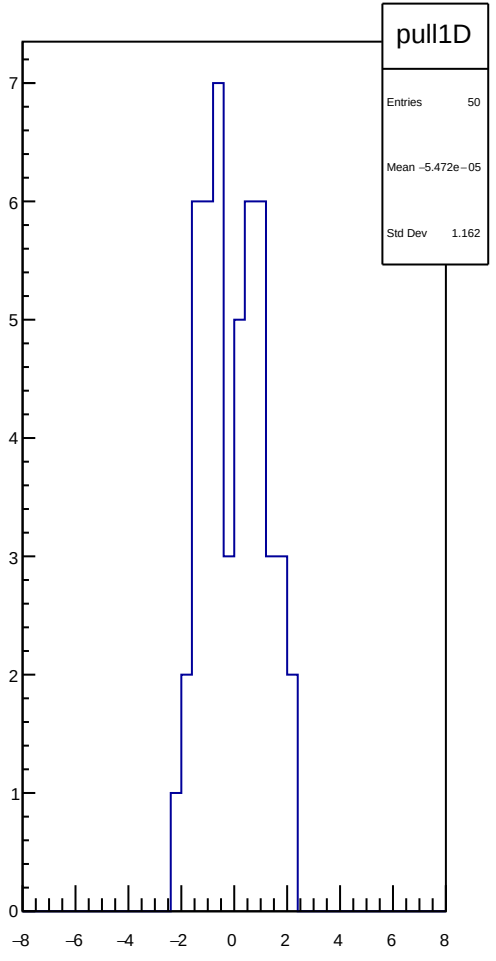

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 4198 / 49
p0 116.5 ± 0.1196
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

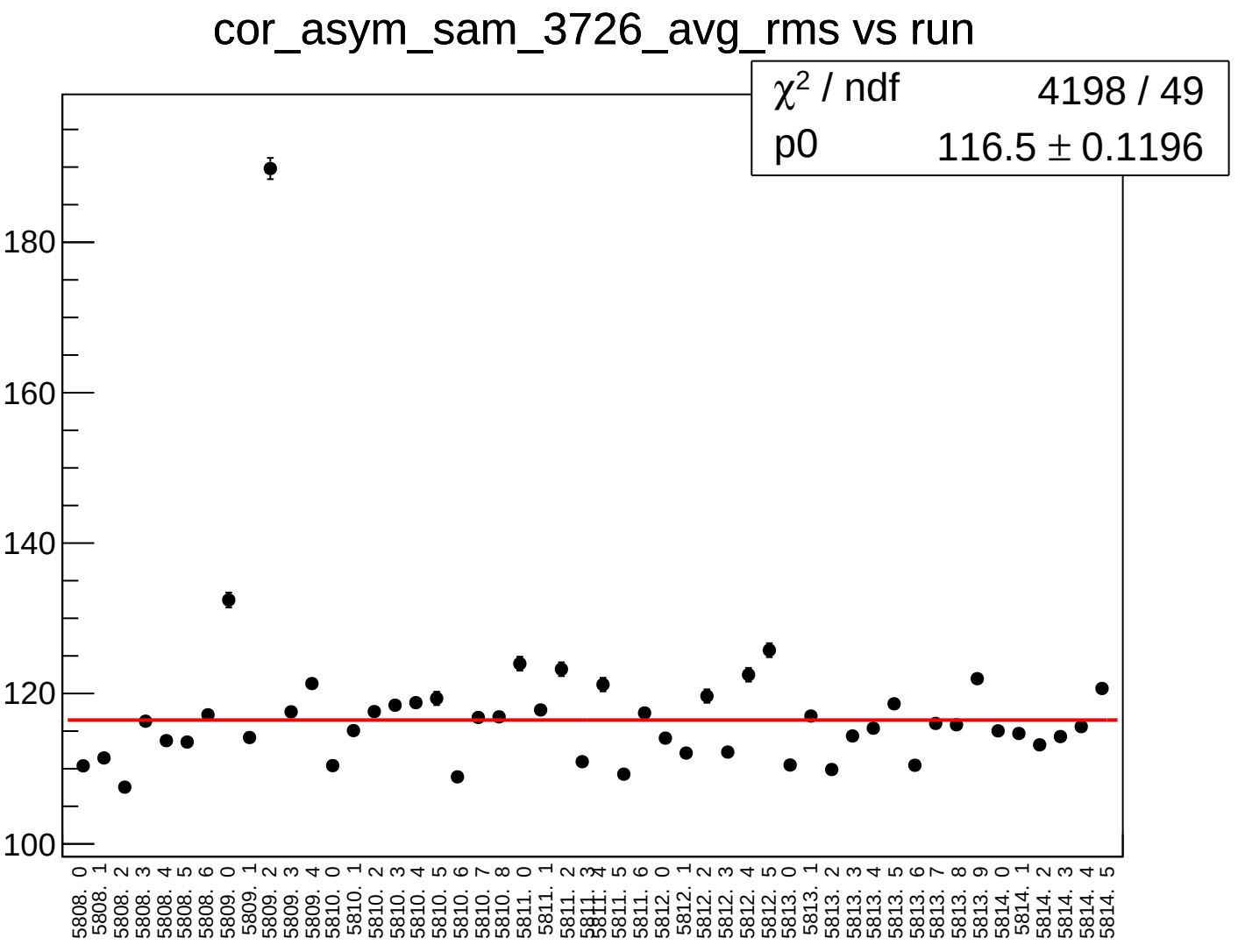

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 46.33 / 49
p0 −3931 ± 2253
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 1706
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.003211
Std Dev 0.9625
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 2723 / 49
p0 1552 ± 1.593
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 67.46 / 49
p0 −324 ± 169.2
4000
2000
0
−2000
−4000
pull
Entries 50
Mean −5.091e+04
Std Dev 0


pull1D
Entries 50
Mean −5.472e−05
Std Dev 1.162


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 4198 / 49
p0 116.5 ± 0.1196
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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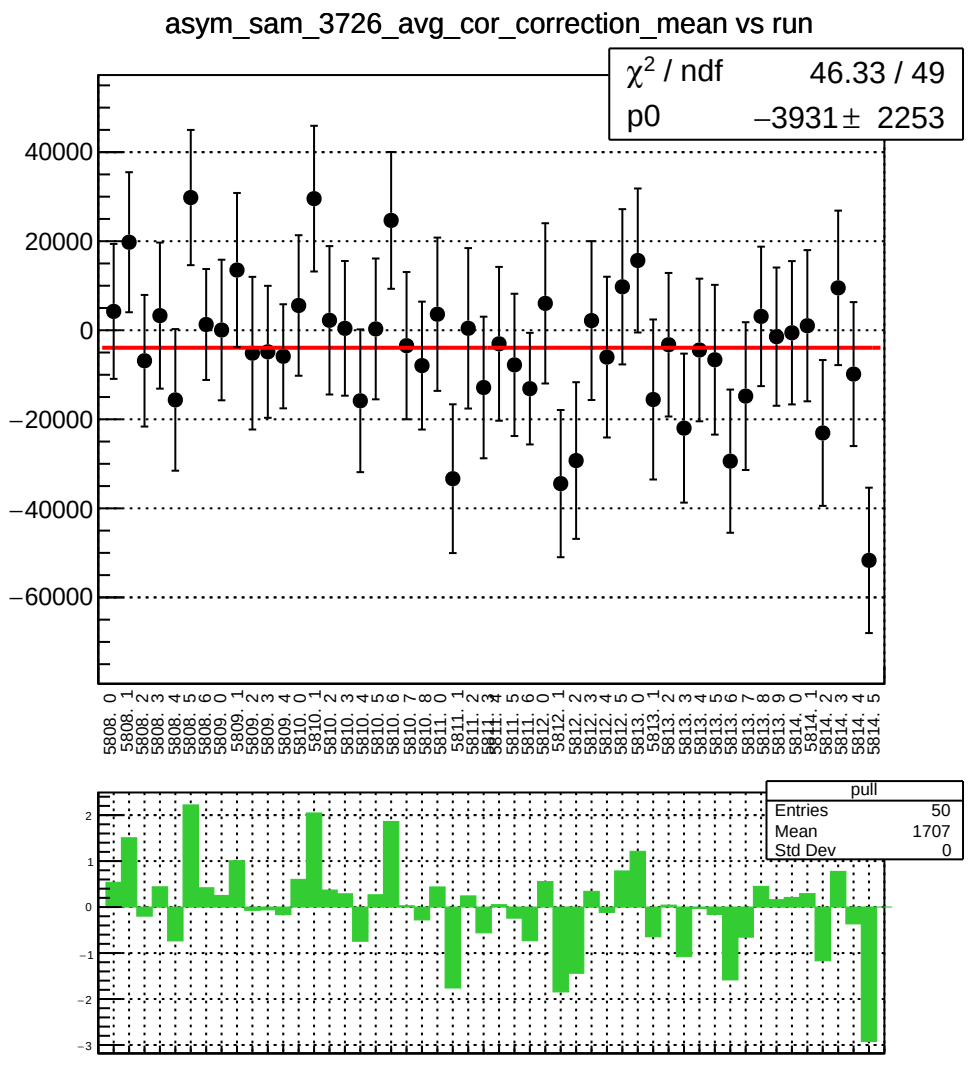
asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 46.33 / 49
p0 −3931 ± 2253
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
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5813. 2
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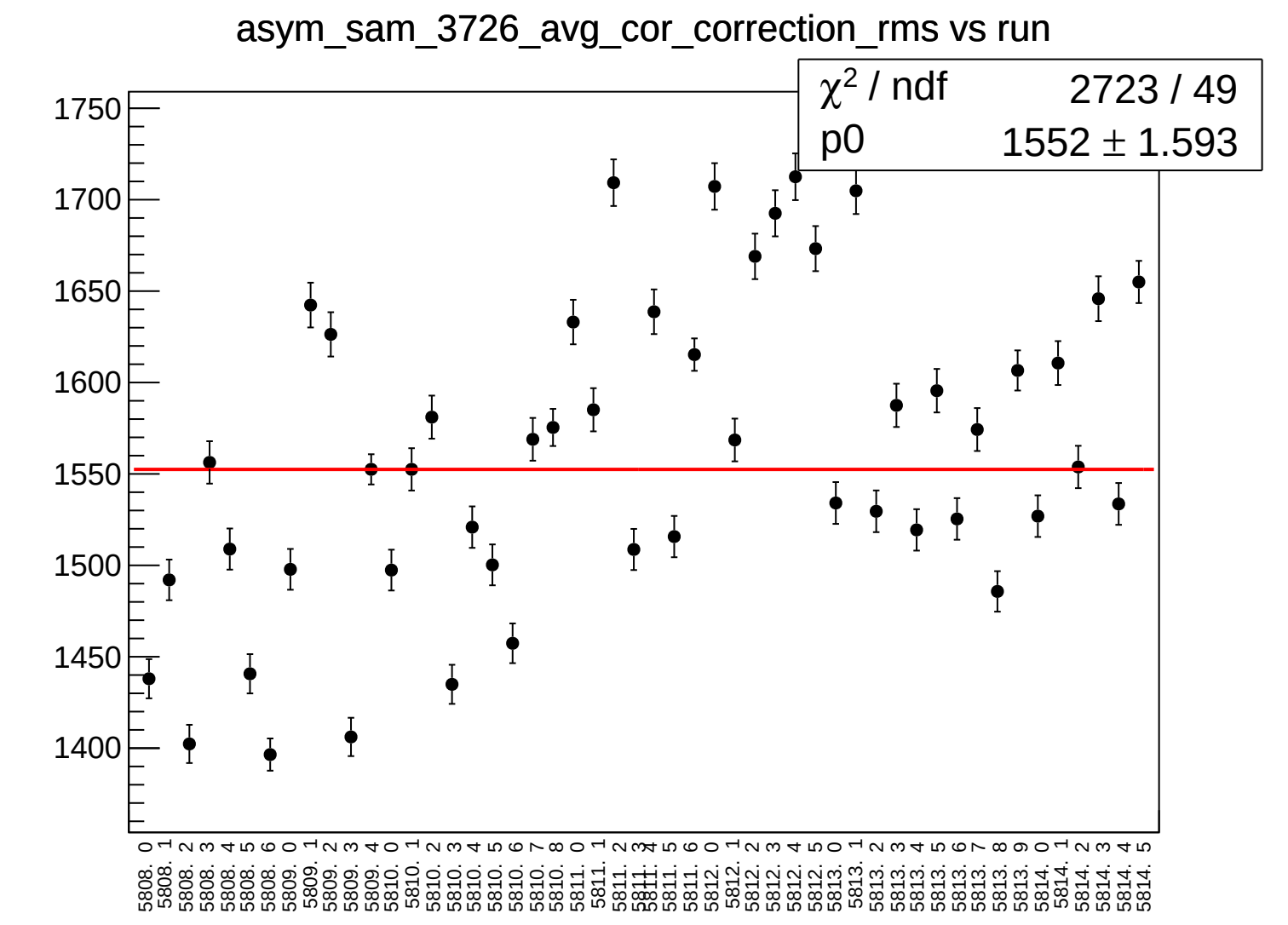
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1707
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.003209
Std Dev 0.9625
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 2723 / 49
p0 1552 ± 1.593
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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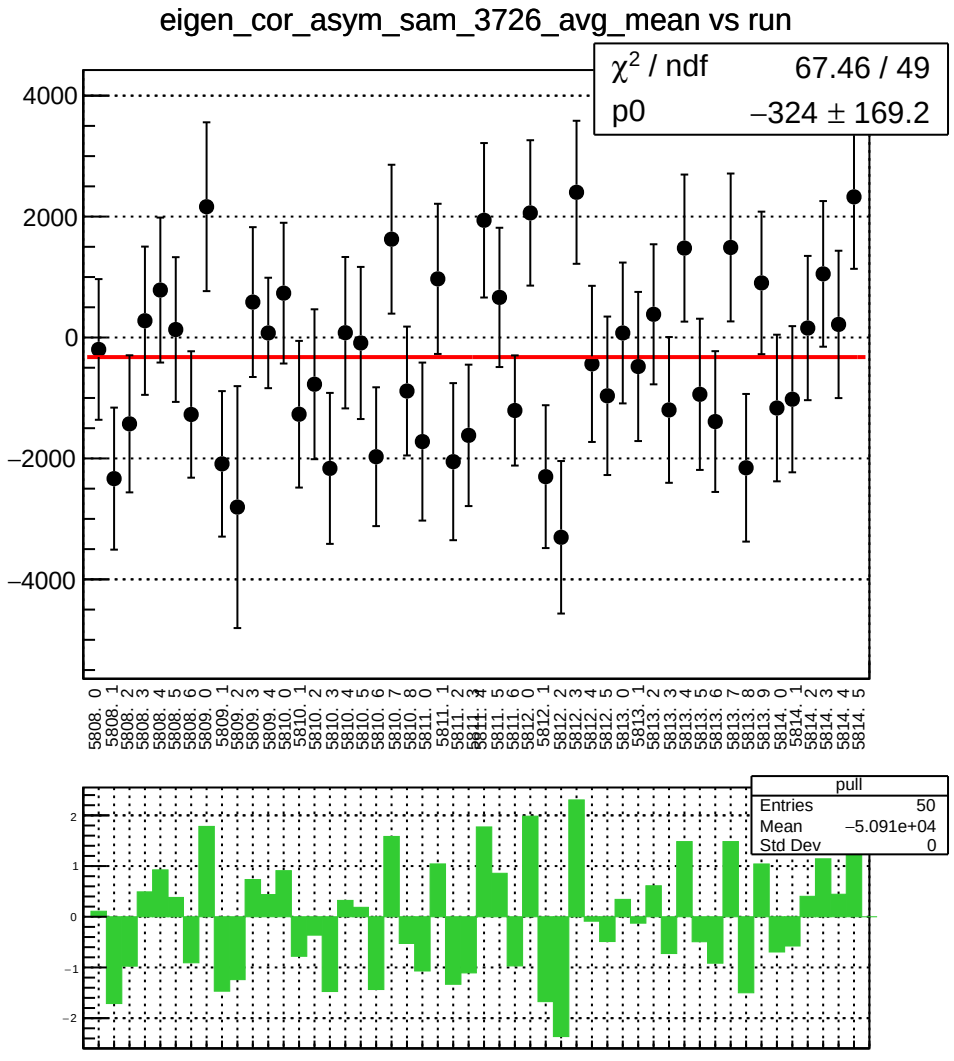
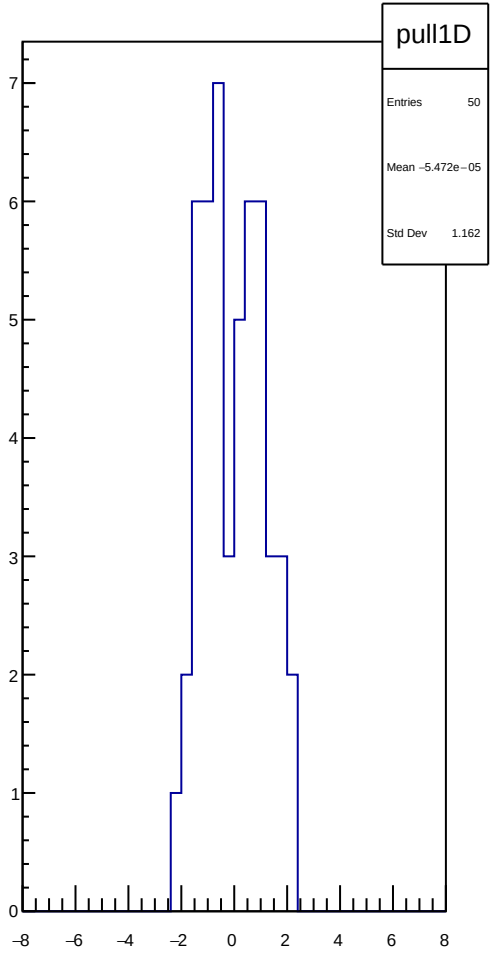
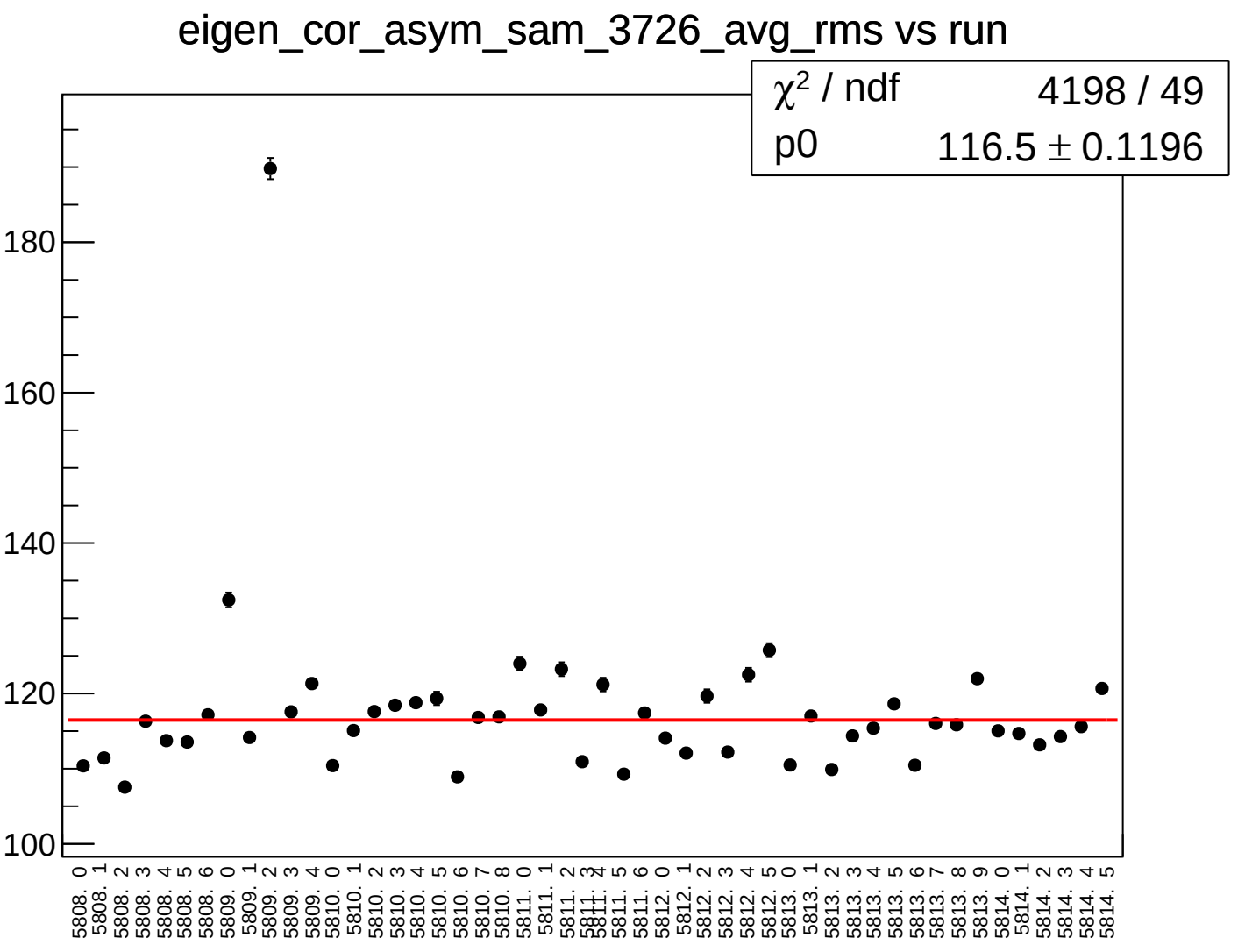
5814. 4
5814. 5


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 67.46 / 49
p0 −324 ± 169.2
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −5.091e+04
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −5.472e−05
Std Dev 1.162
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 4198 / 49
p0 116.5 ± 0.1196
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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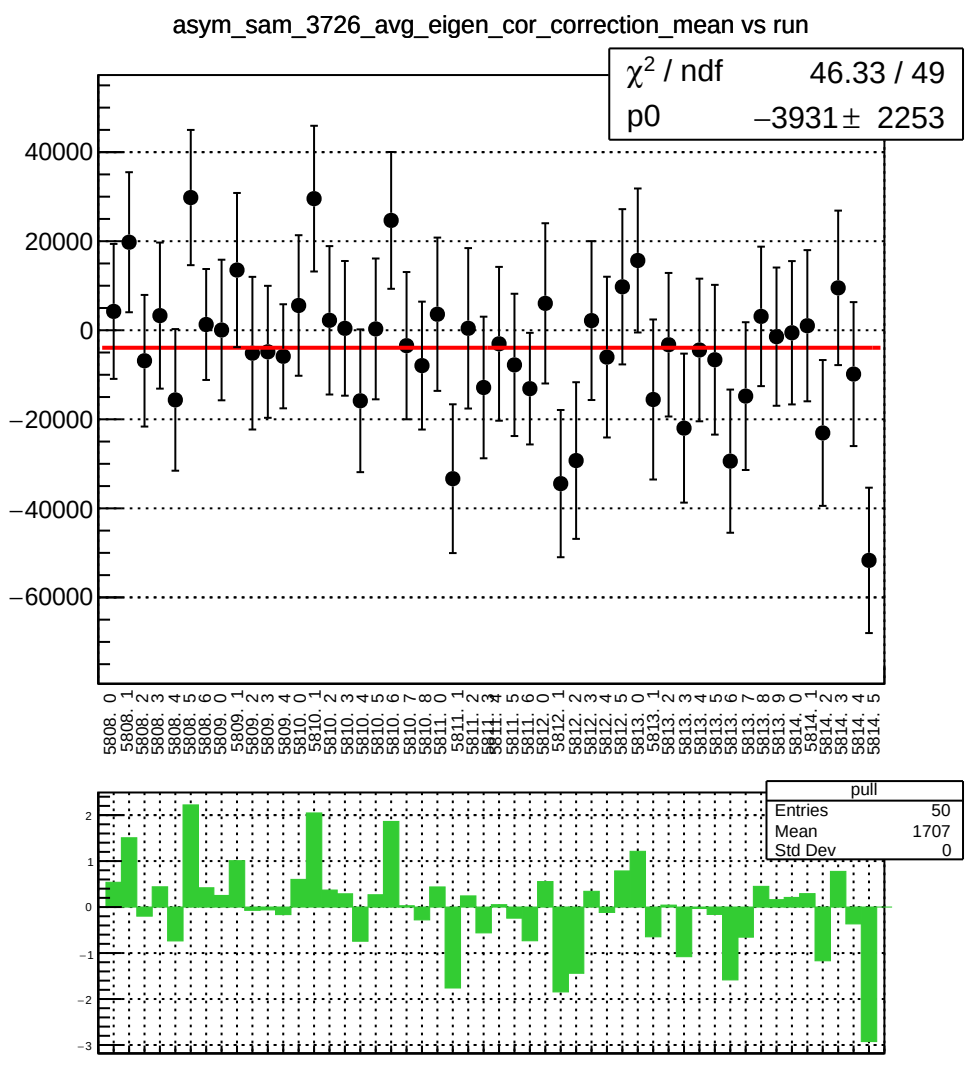
5814. 5


asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 46.33 / 49
p0 −3931 ± 2253
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1707
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.003209
Std Dev 0.9625
12
10
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2
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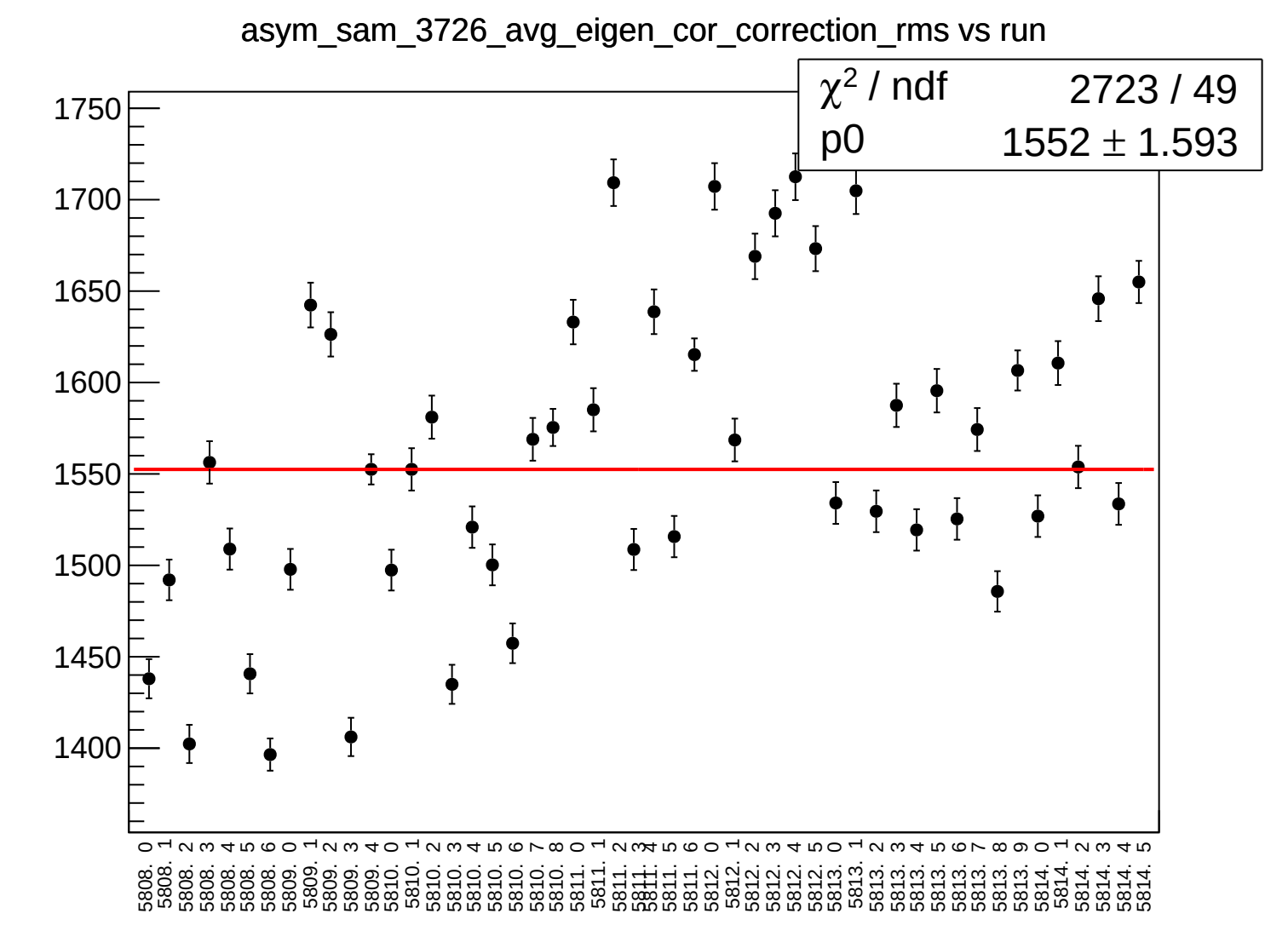
6
8


asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 2723 / 49
p0 1552 ± 1.593
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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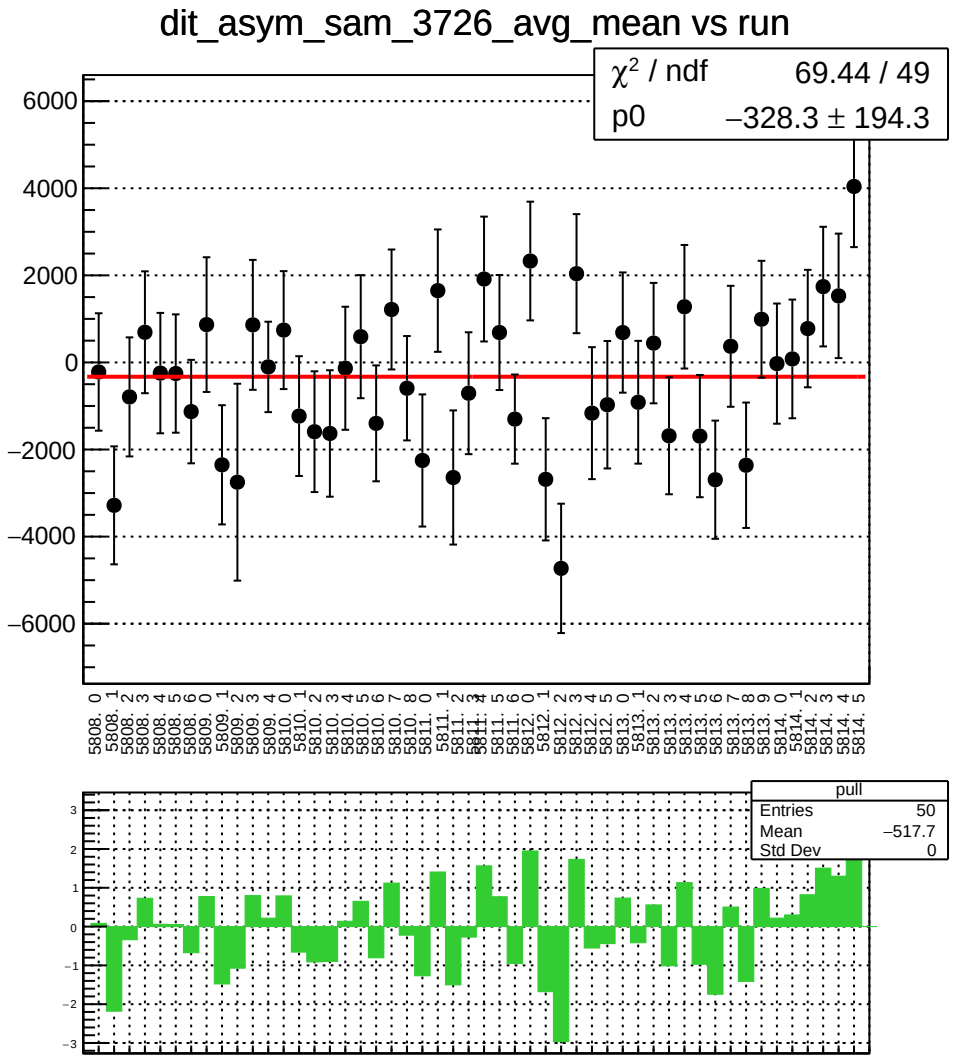
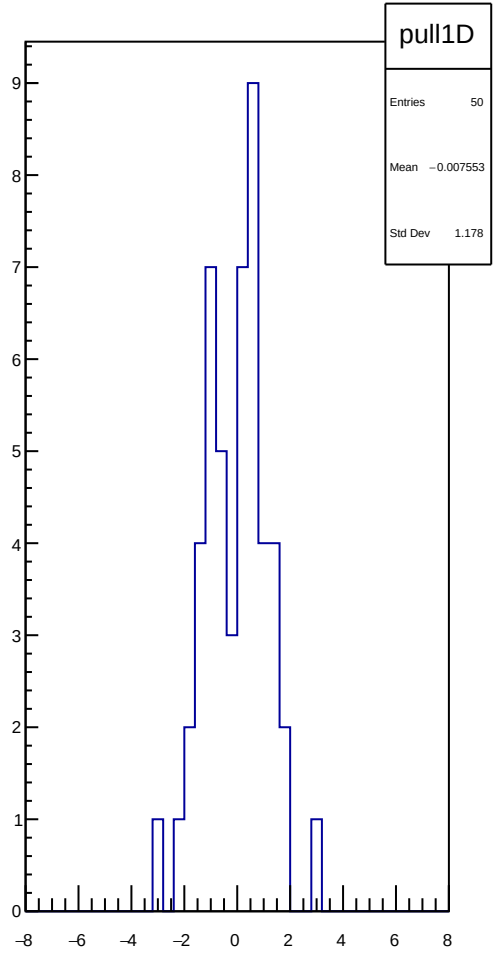
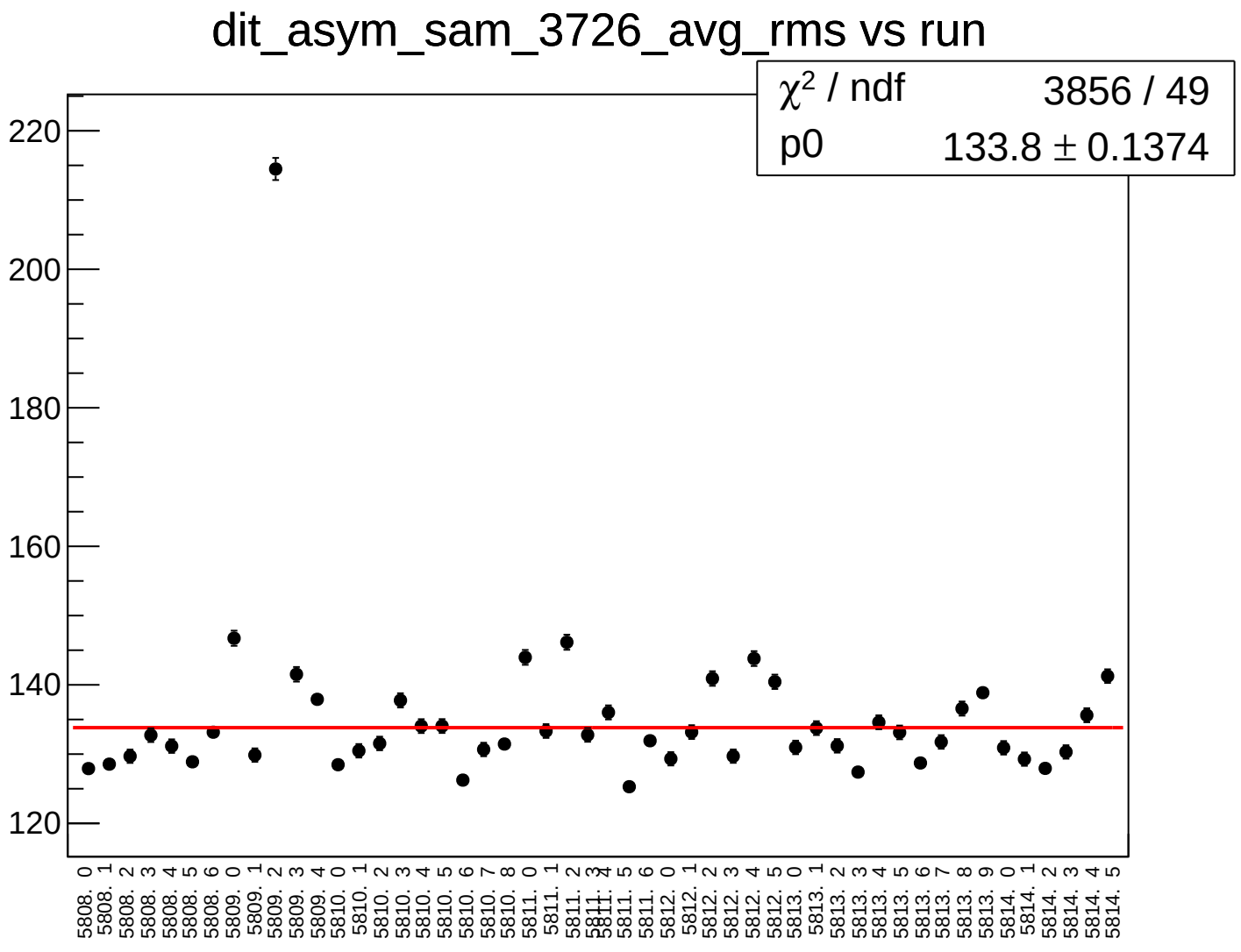
5814. 4
5814. 5


dit_asym_sam_3726_avg_mean vs run
χ² / ndf 69.44 / 49
p0 −328.3 ± 194.3
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −517.7
Std Dev 0


pull1D
Entries 50
Mean −0.007553
Std Dev 1.178


dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3856 / 49
p0 133.8 ± 0.1374
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
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5812. 5
5813. 0
5813. 1
5813. 2
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5814. 2
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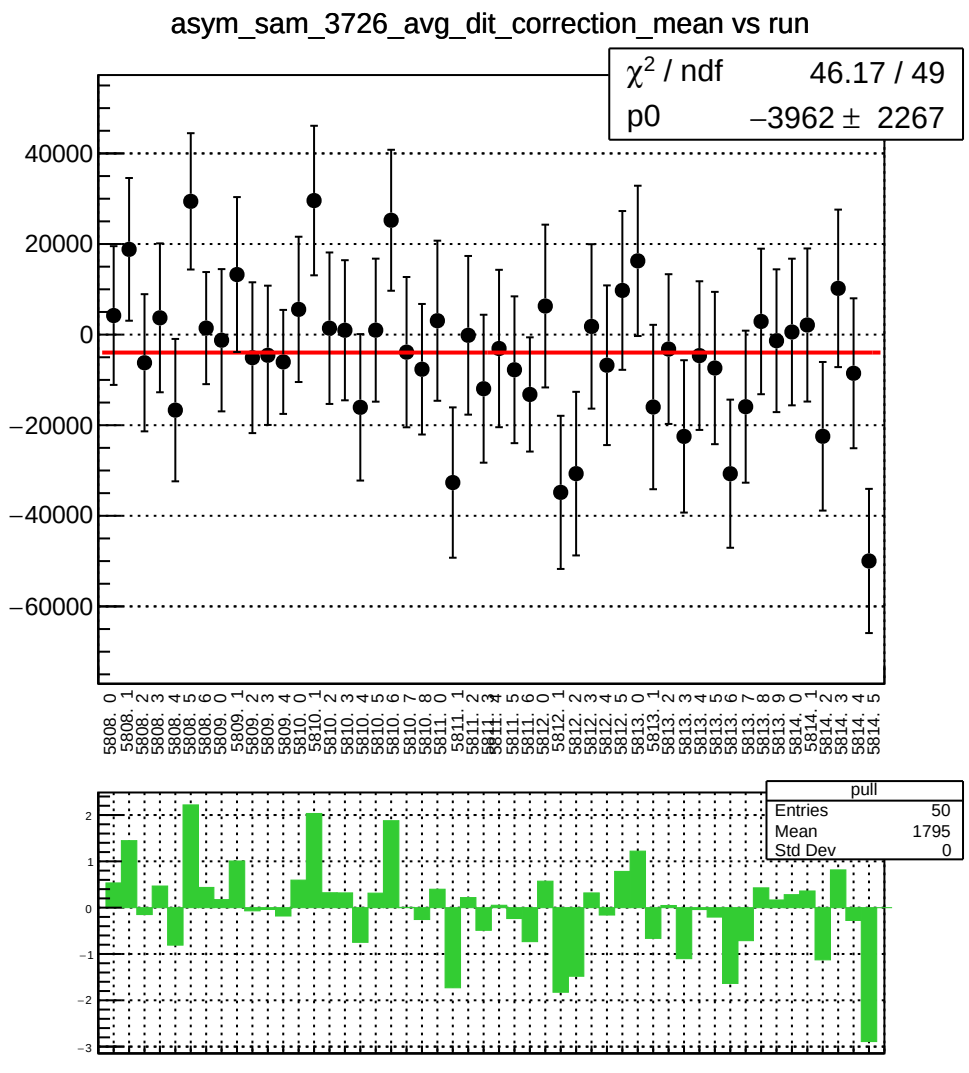
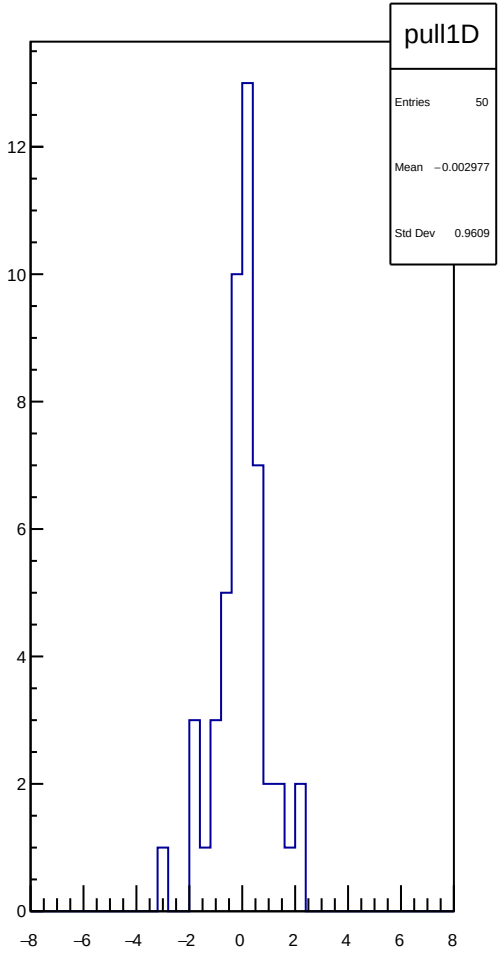
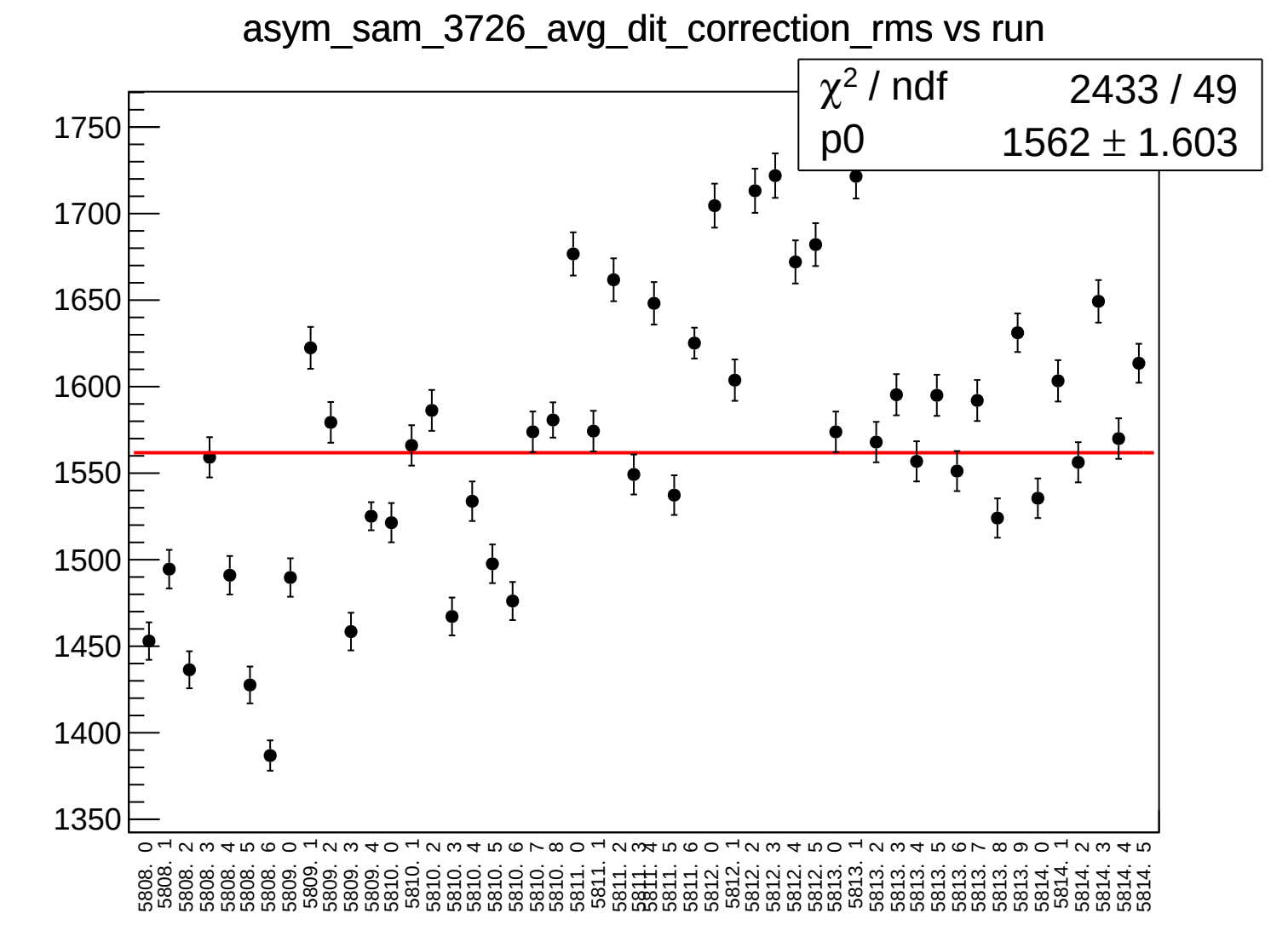
5814. 5


asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 46.17 / 49
p0 −3962 ± 2267
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 1795
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.002977
Std Dev 0.9609
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 2433 / 49
p0 1562 ± 1.603
1750
1700
1650
1600
1550
1500
1450
1400
1350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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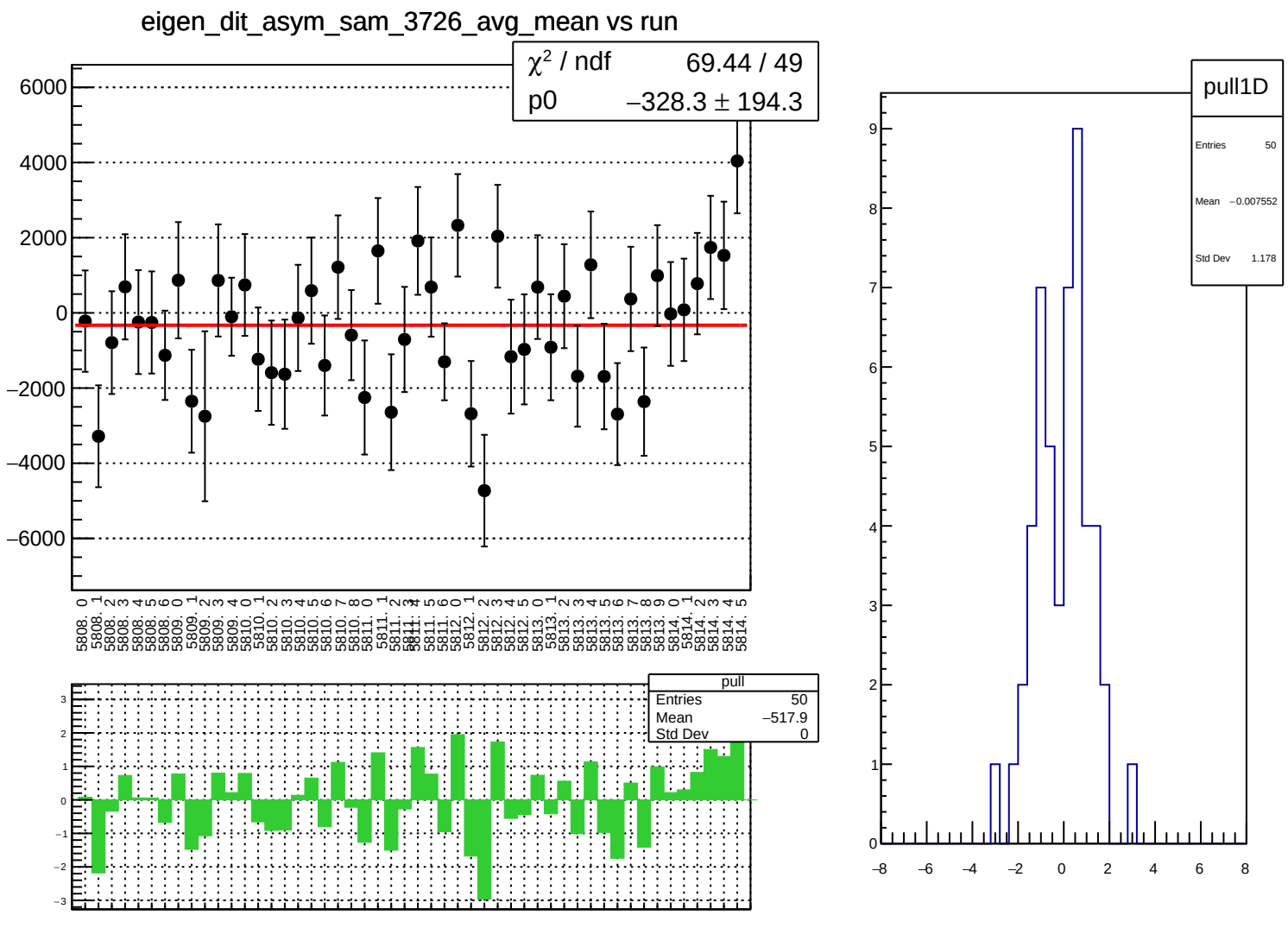
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 69.44 / 49
p0 −328.3 ± 194.3
6000
4000
2000
0
−2000
−4000
−6000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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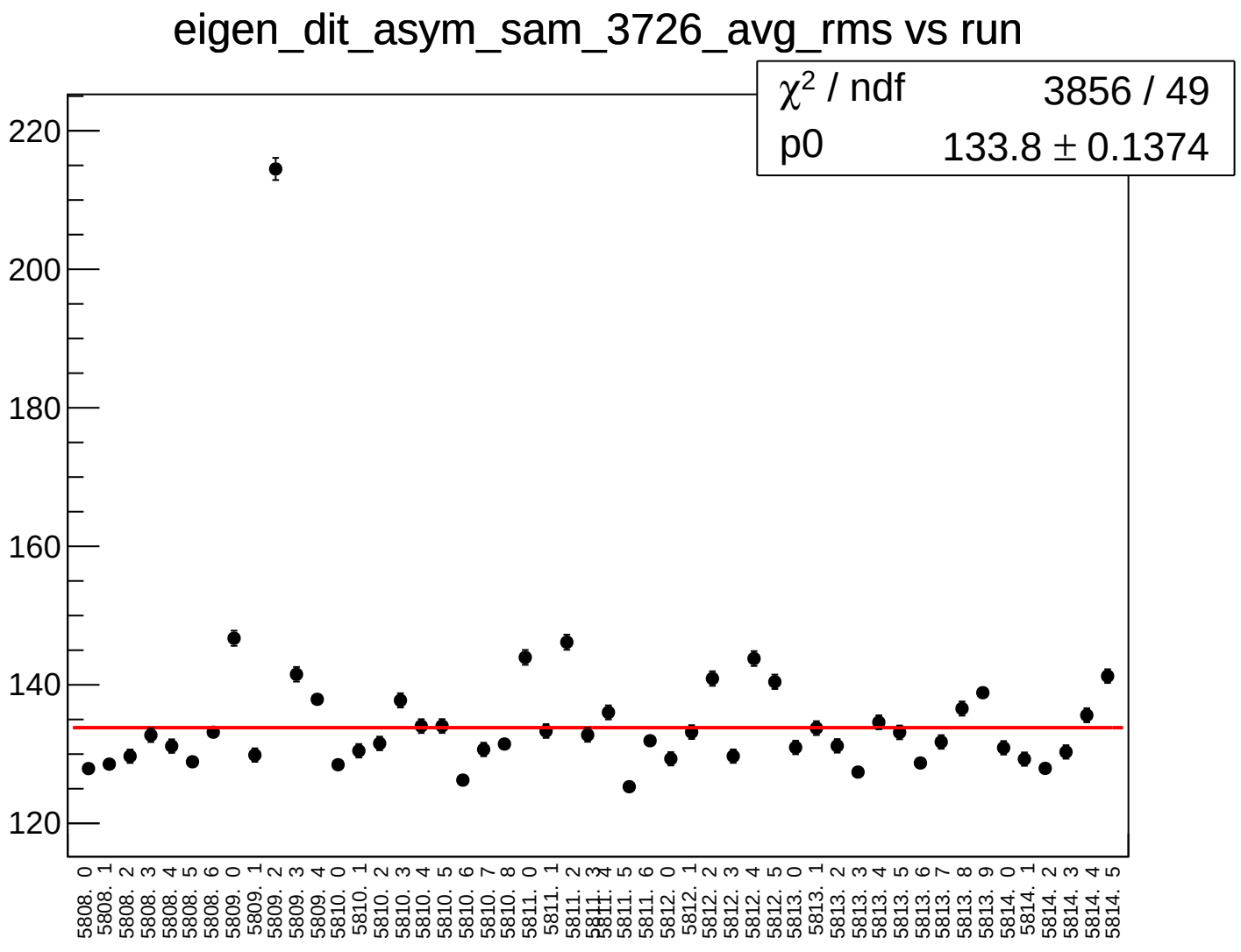
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −517.9
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.007552
Std Dev 1.178
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 3856 / 49
p0 133.8 ± 0.1374
220
200
180
160
140
120
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5813. 8
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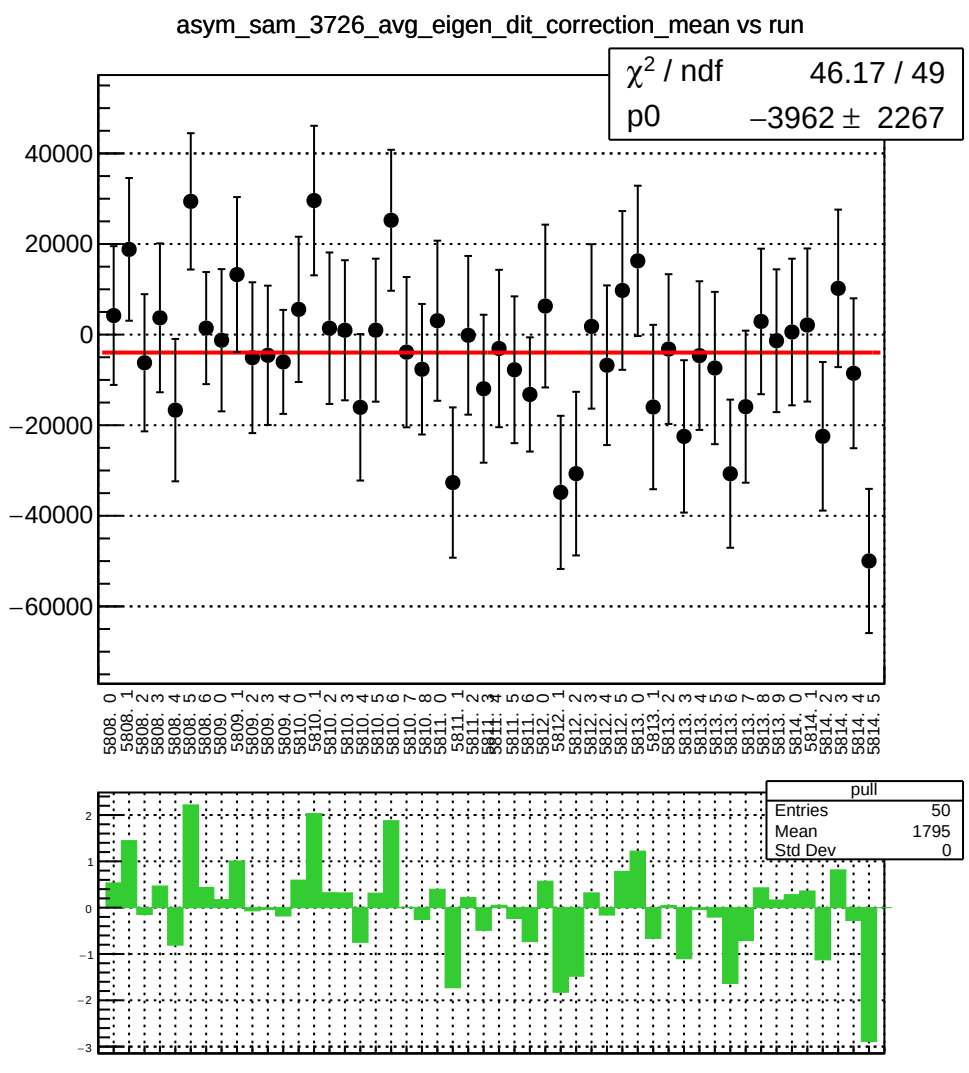
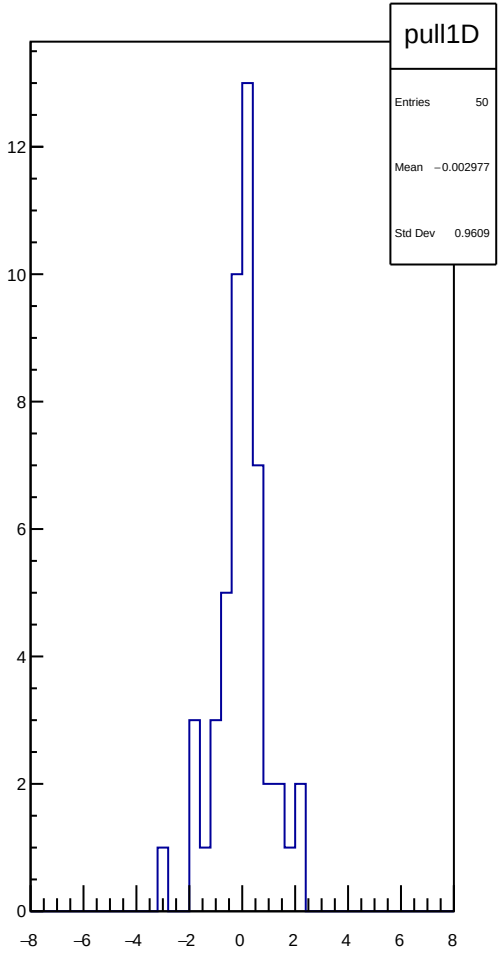
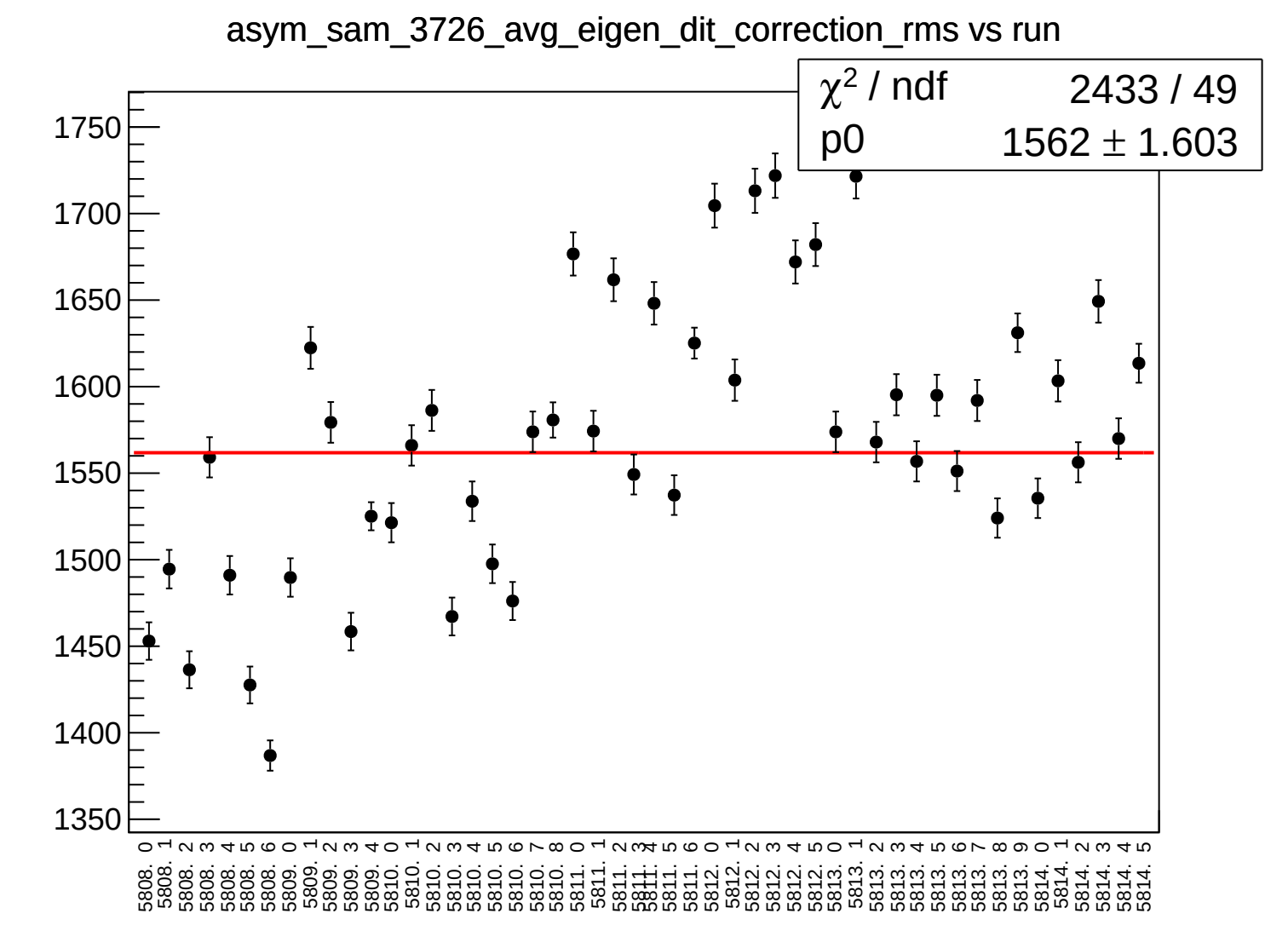
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 46.17 / 49
p0 −3962 ± 2267
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean 1795
Std Dev 0


pull1D
Entries 50
Mean −0.002977
Std Dev 0.9609
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 2433 / 49
p0 1562 ± 1.603
1750
1700
1650
1600
1550
1500
1450
1400
1350
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
5810. 5
5810. 6
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5811. 0
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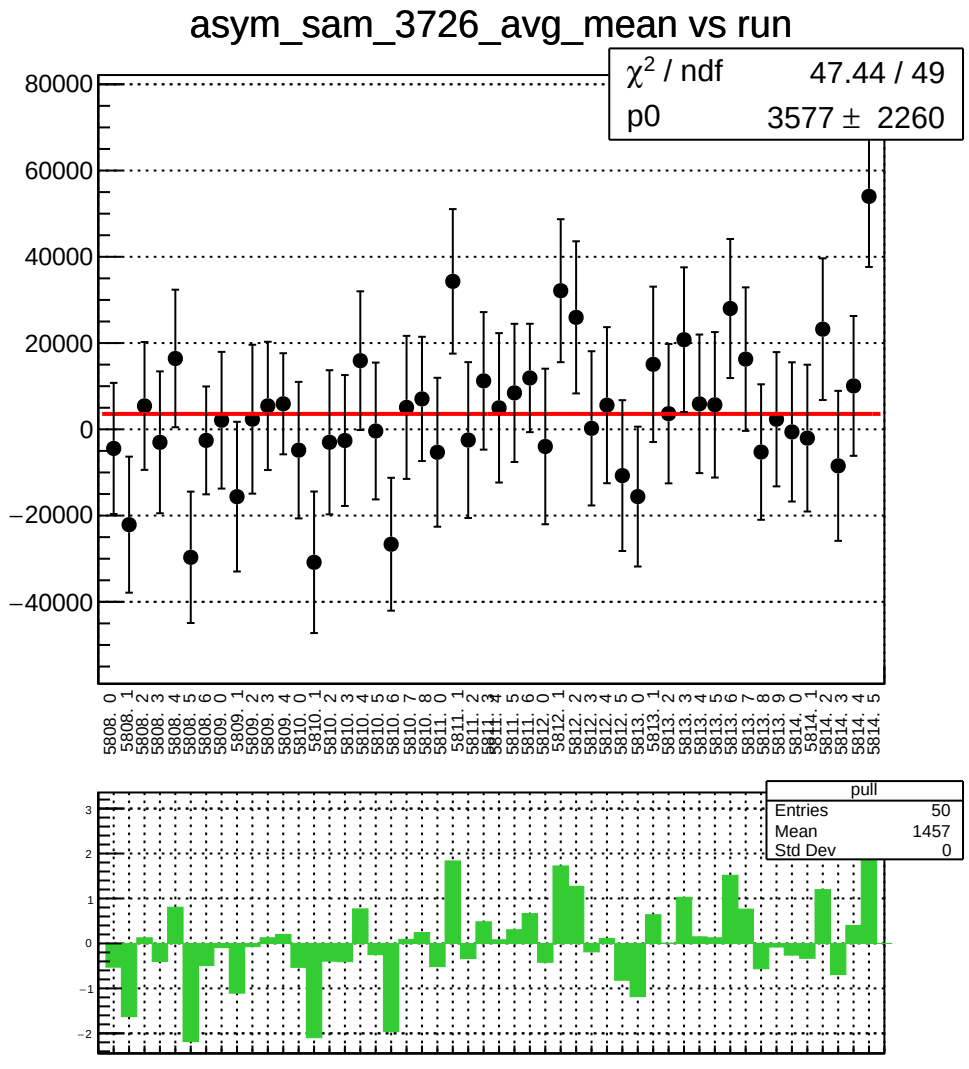
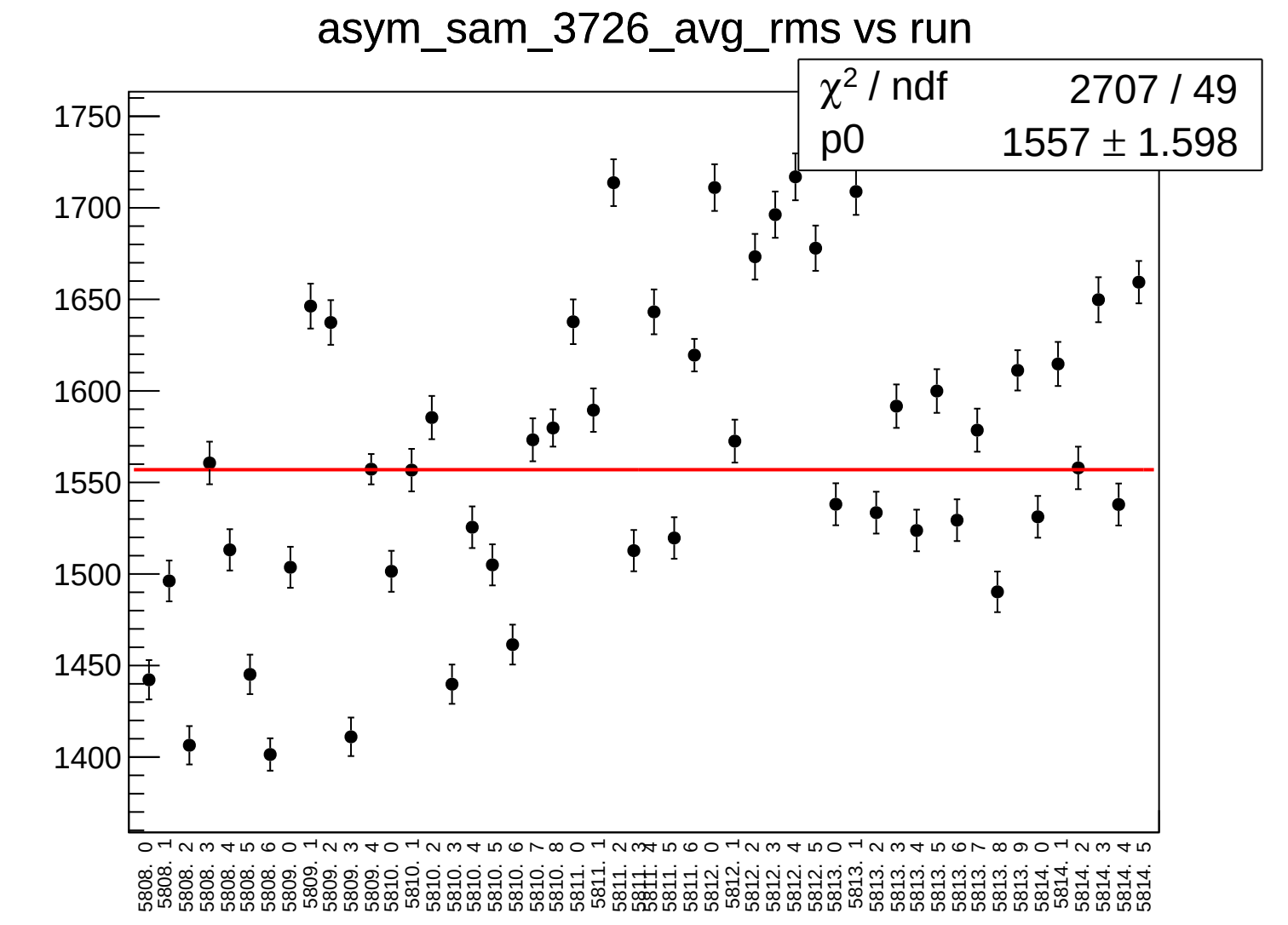
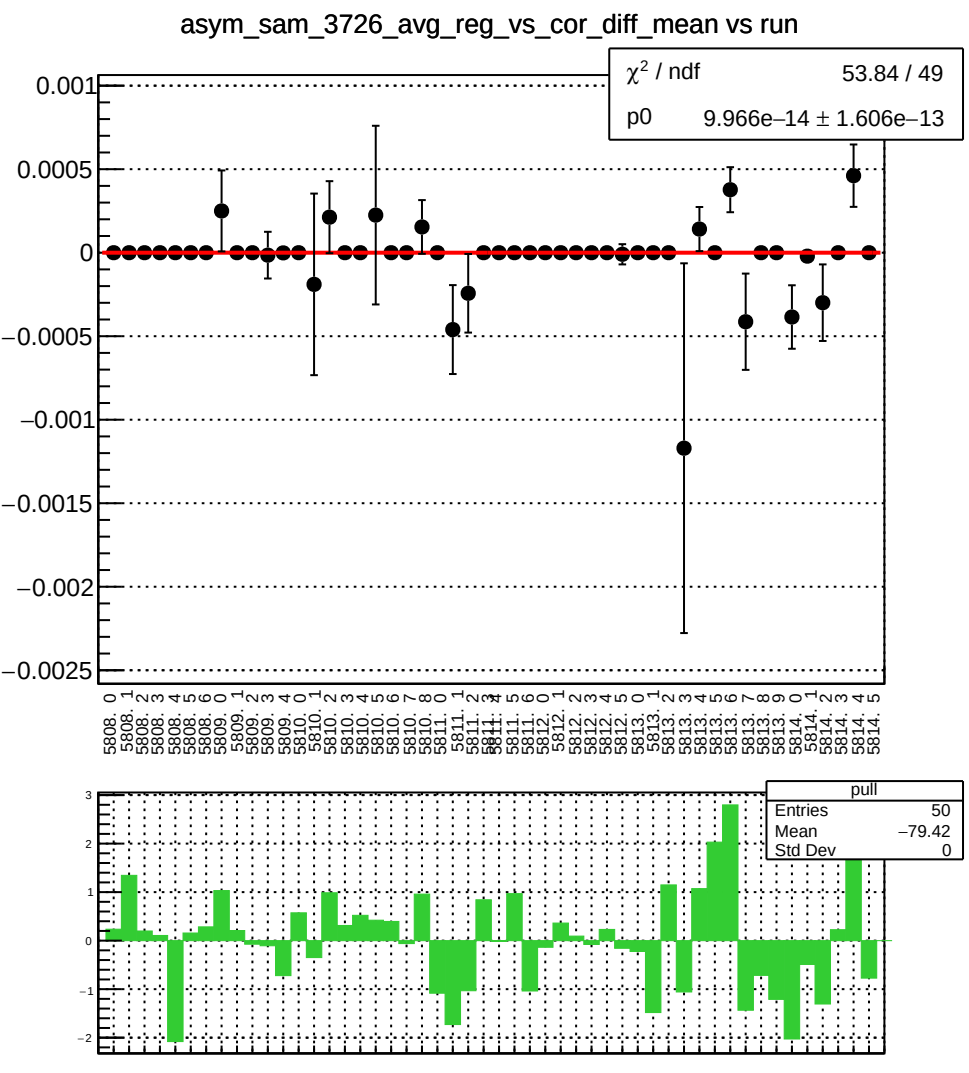
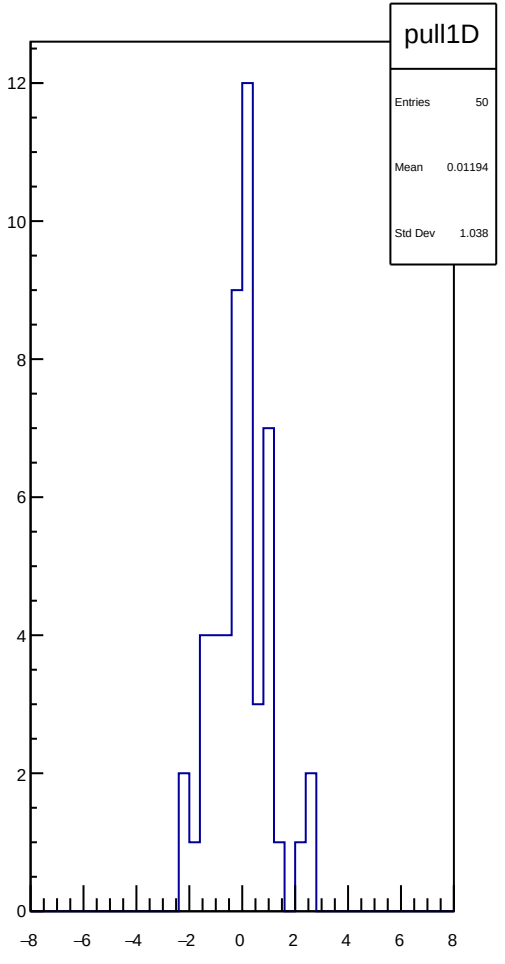
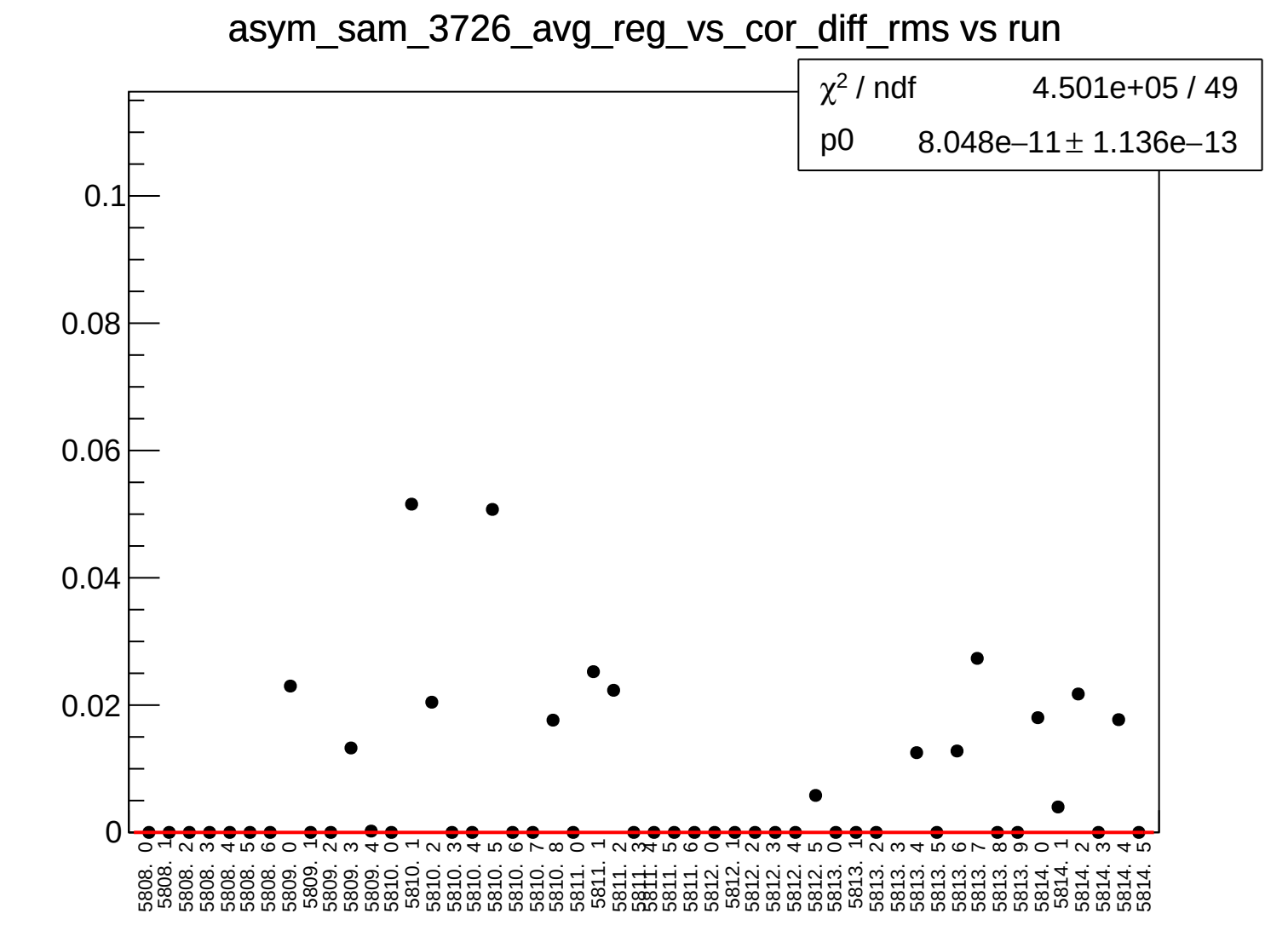
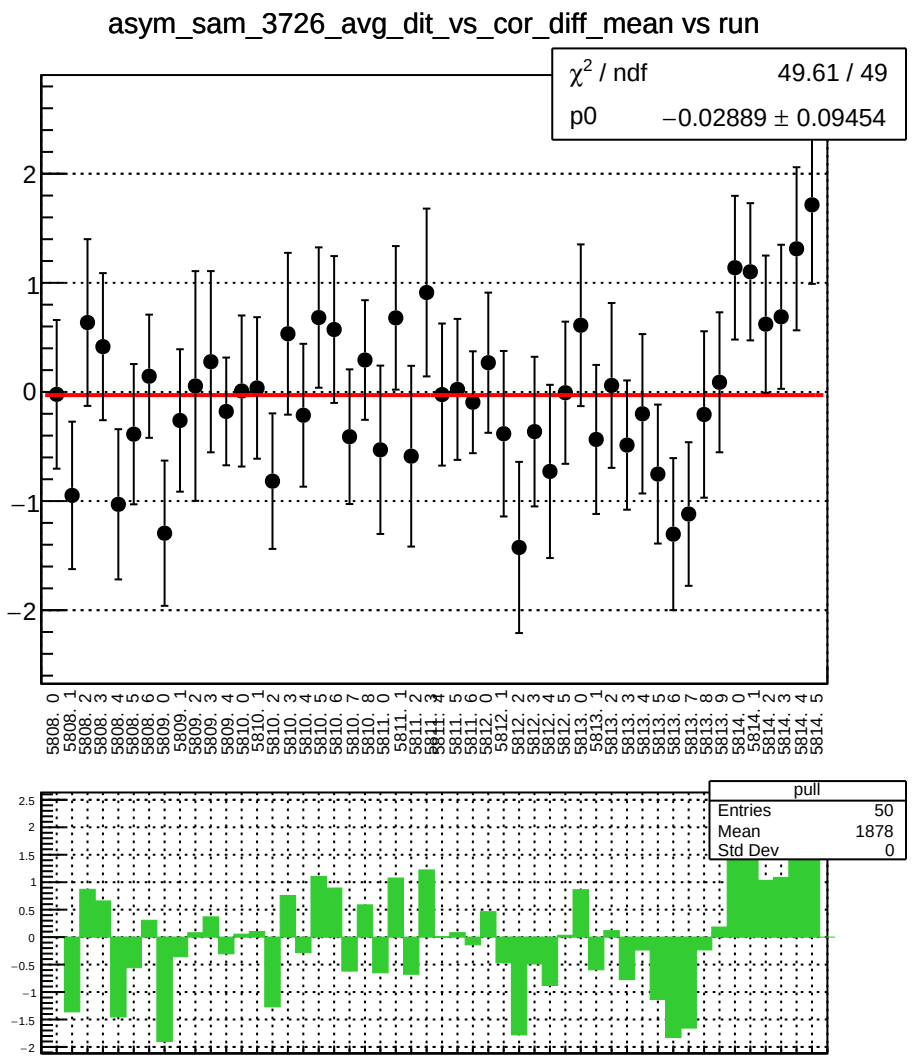

asym_sam_3726_avg_mean vs run
χ² / ndf 47.44 / 49
p0 3577 ± 2260
80000
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1457
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003905
Std Dev 0.974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

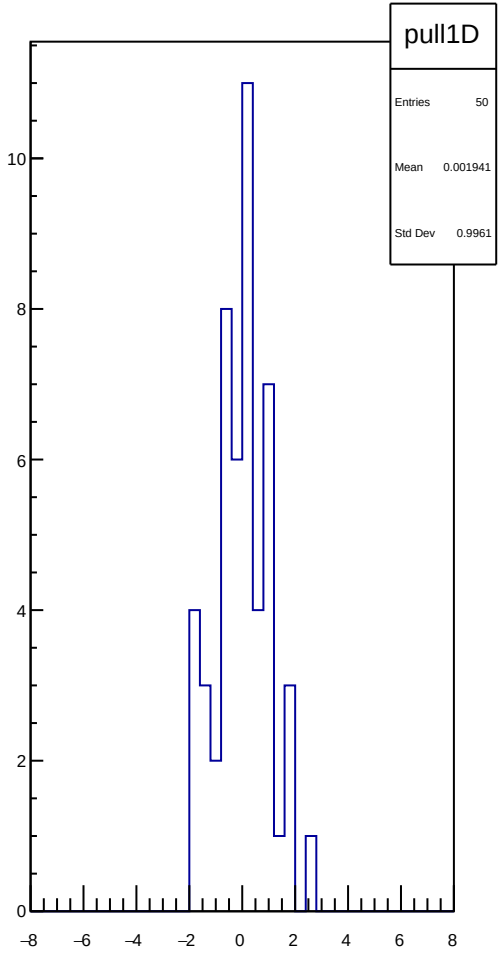

asym_sam_3726_avg_rms vs run
χ² / ndf 2707 / 49
p0 1557 ± 1.598
1750
1700
1650
1600
1550
1500
1450
1400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

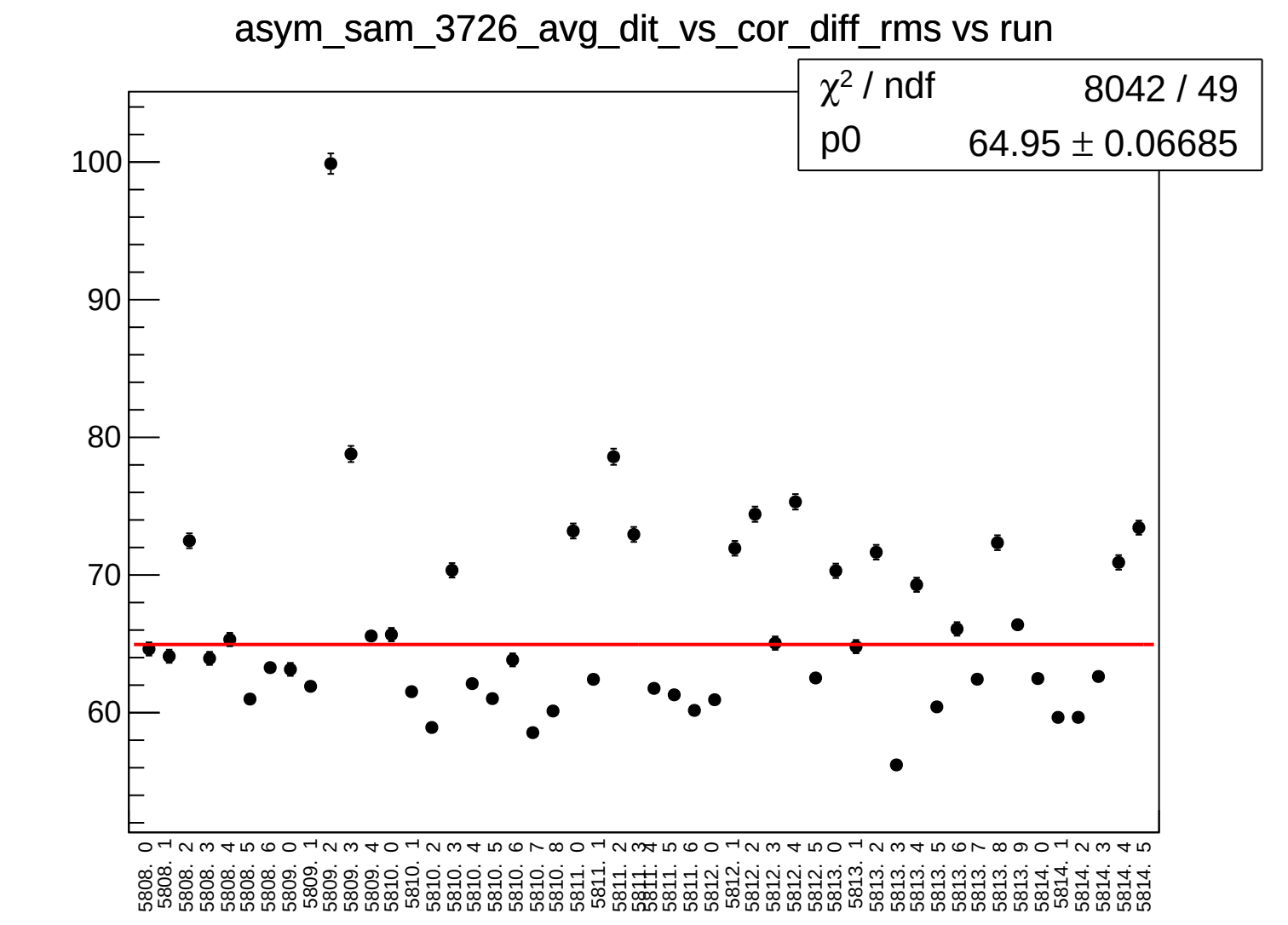

asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.84 / 49
p0 9.966e−14 ± 1.606e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
pull
Entries 50
Mean −79.42
Std Dev 0
3
2
1
0
−1
−2

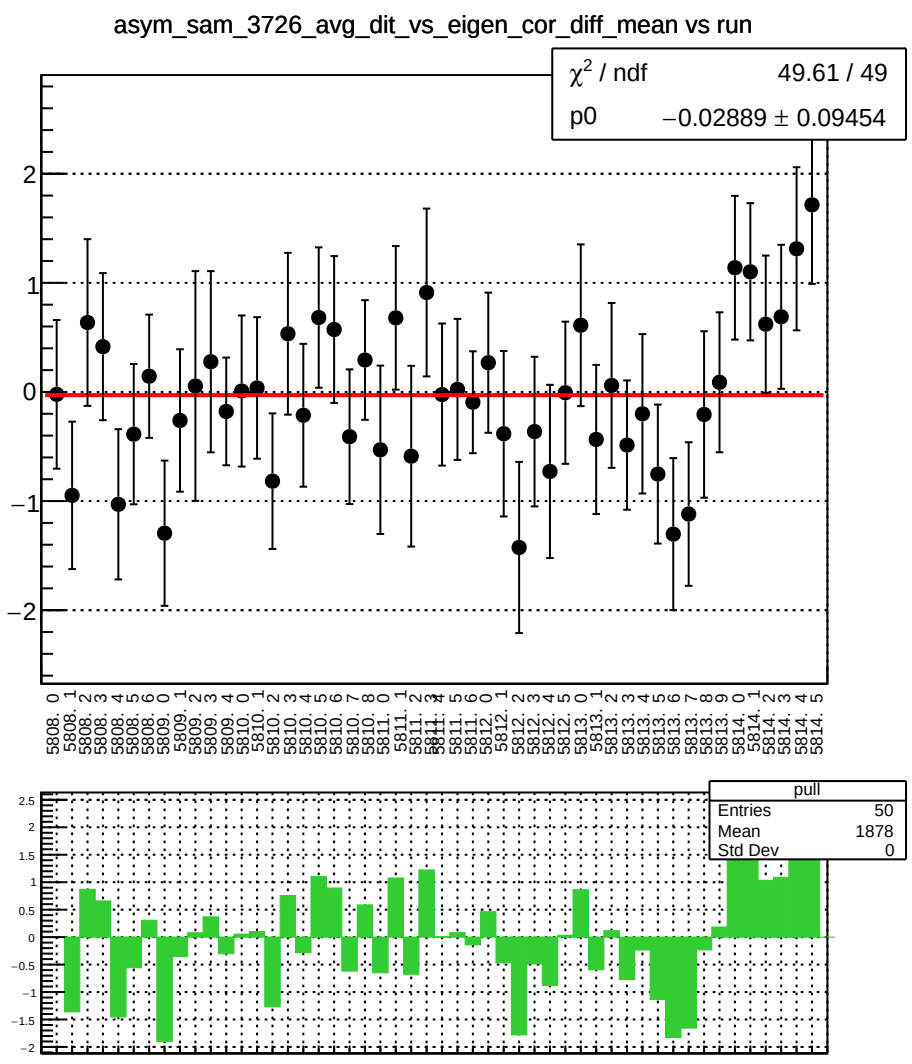

pull1D
Entries 50
Mean 0.01194
Std Dev 1.038
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

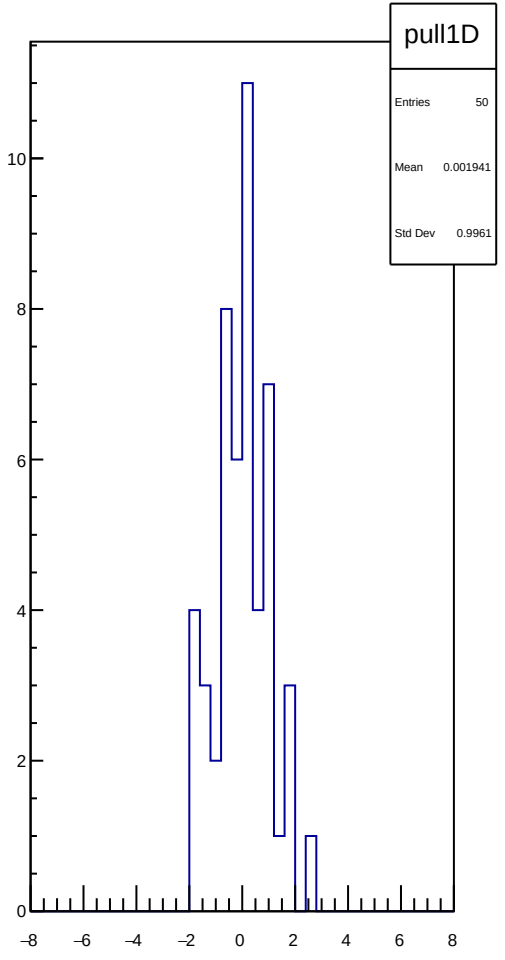

asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.501e+05 / 49
p0 8.048e−11 ± 1.136e−13
0.1
0.08
0.06
0.04
0.02
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

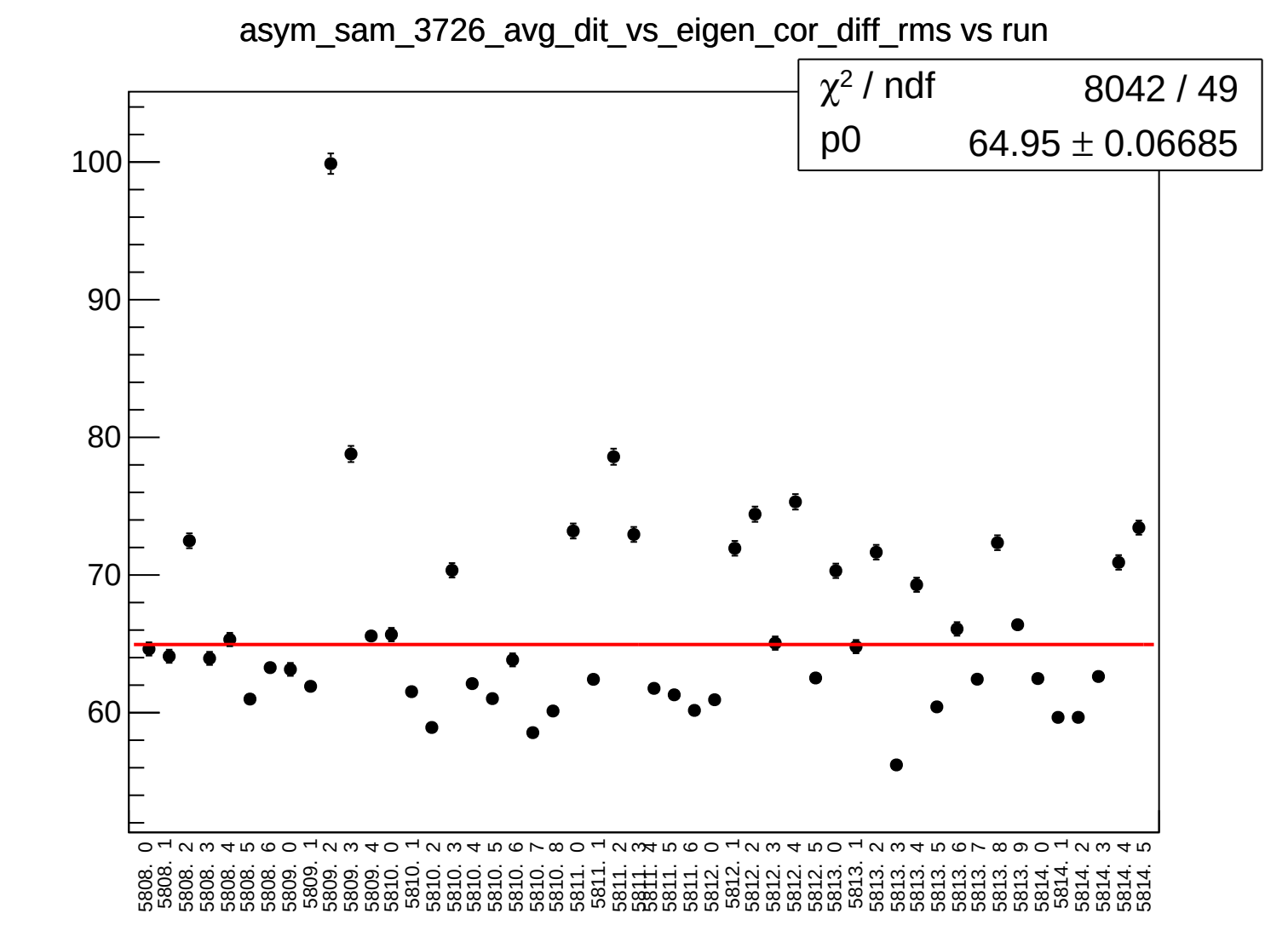

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.61 / 49
p0 −0.02889 ± 0.09454
pull
Entries 50
Mean 1878
Std Dev 0

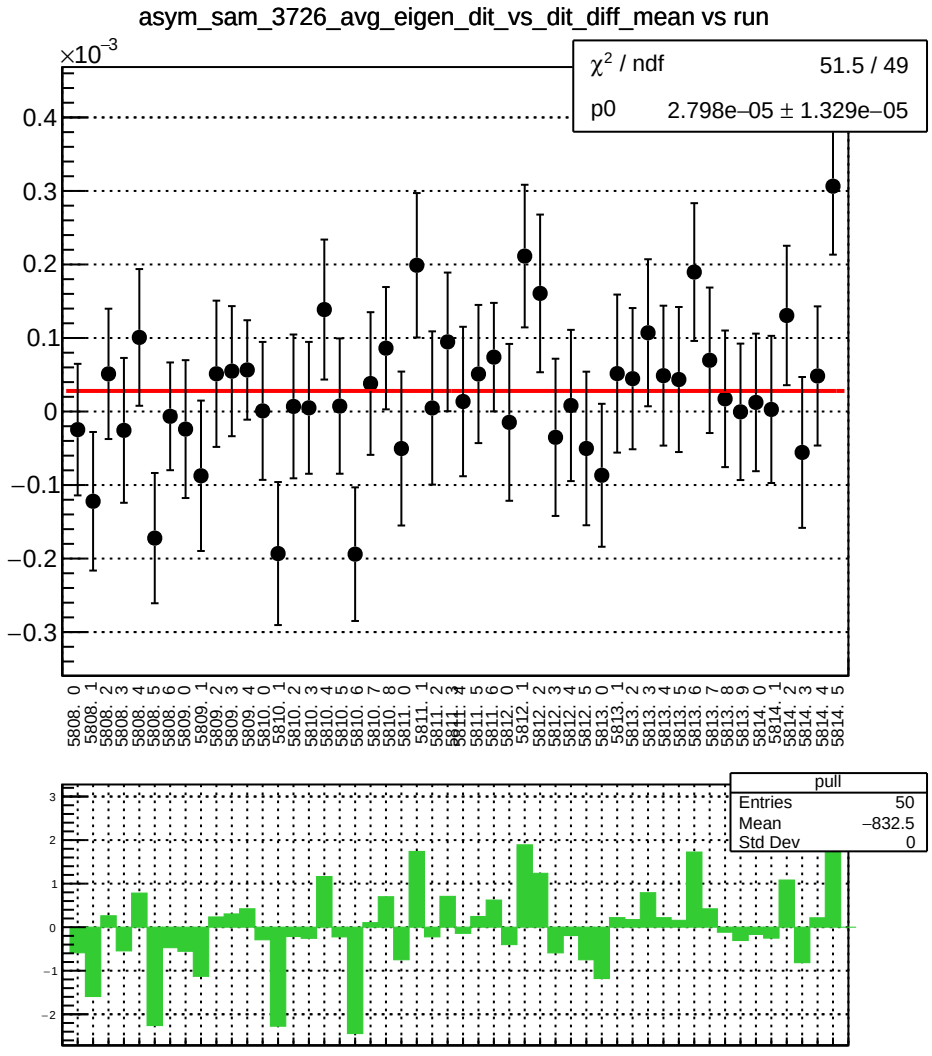

pull1D
Entries 50
Mean 0.001941
Std Dev 0.9961

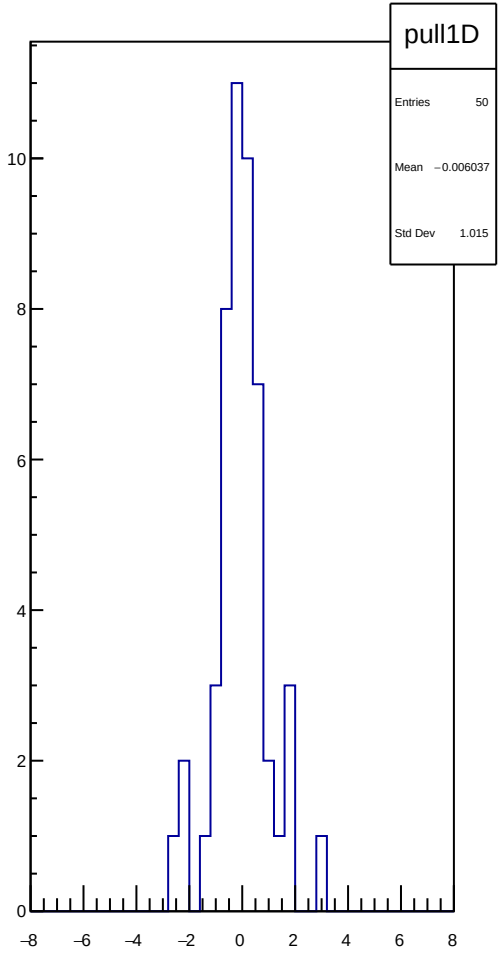

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8042 / 49
p0 64.95 ± 0.06685
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

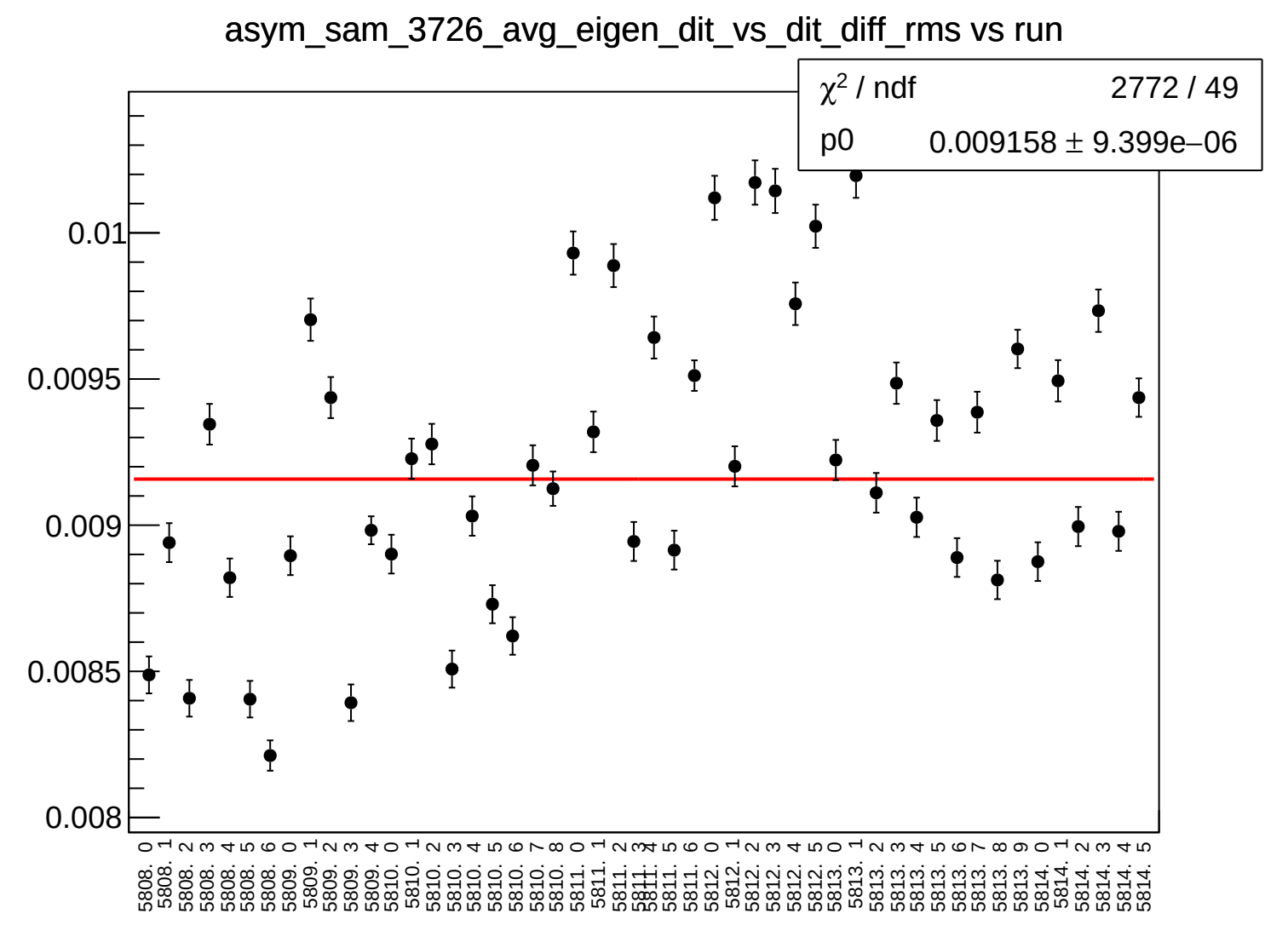

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.61 / 49
p0 −0.02889 ± 0.09454
pull
Entries 50
Mean 1878
Std Dev 0

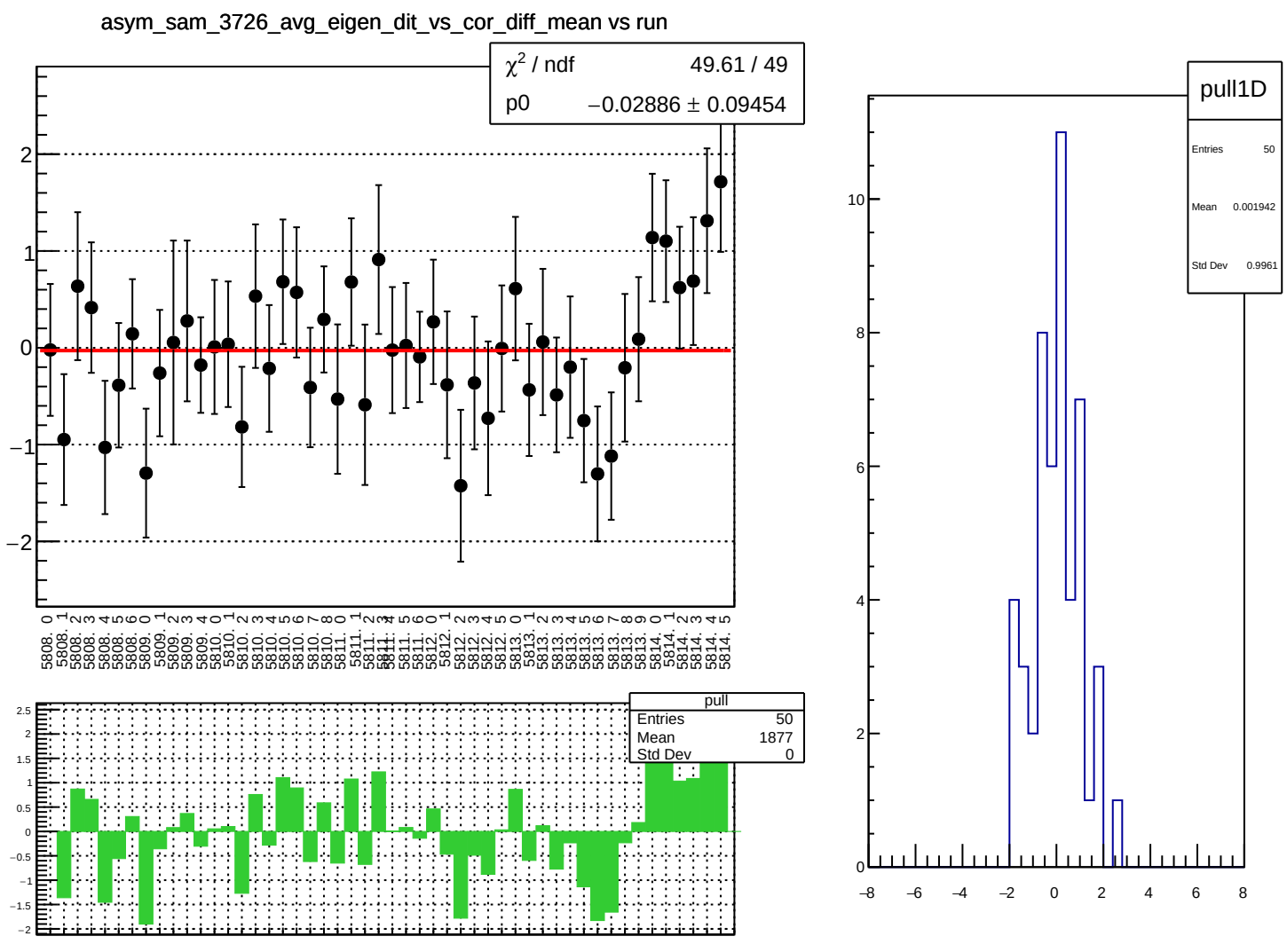

pull1D
Entries 50
Mean 0.001941
Std Dev 0.9961

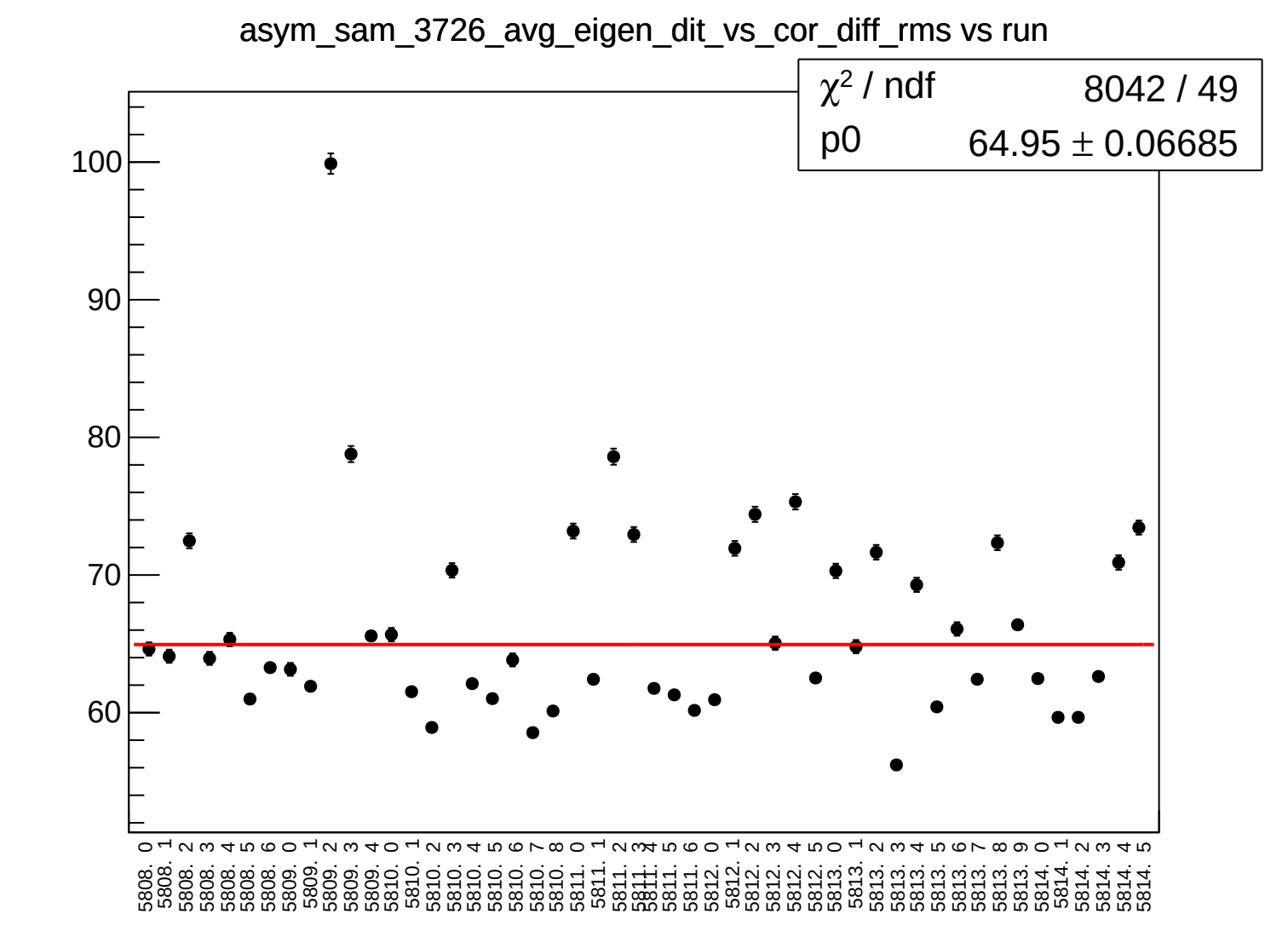

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8042 / 49
p0 64.95 ± 0.06685
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

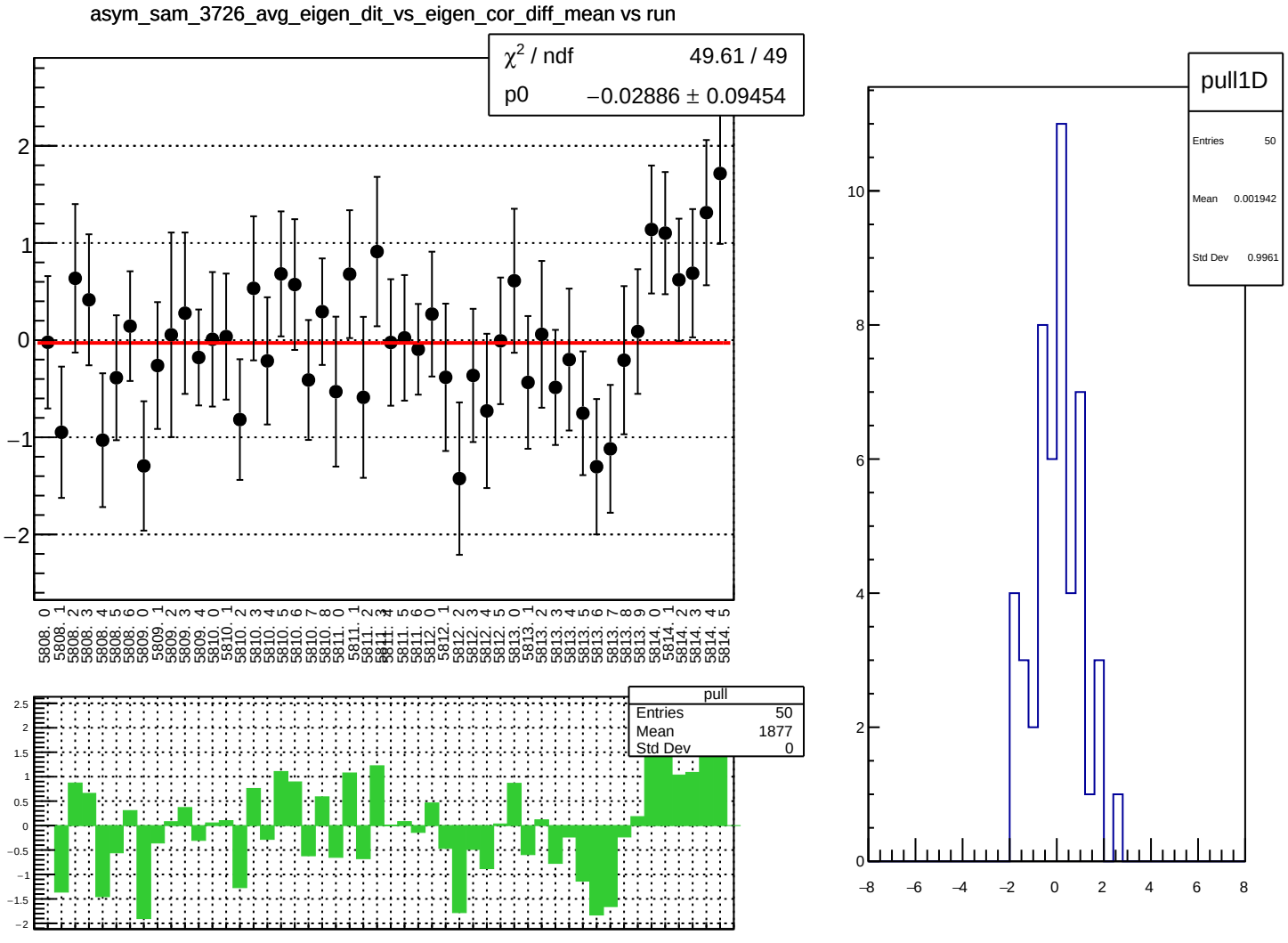

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.5 / 49
p0 2.798e−05 ± 1.329e−05
pull
Entries 50
Mean −832.5
Std Dev 0

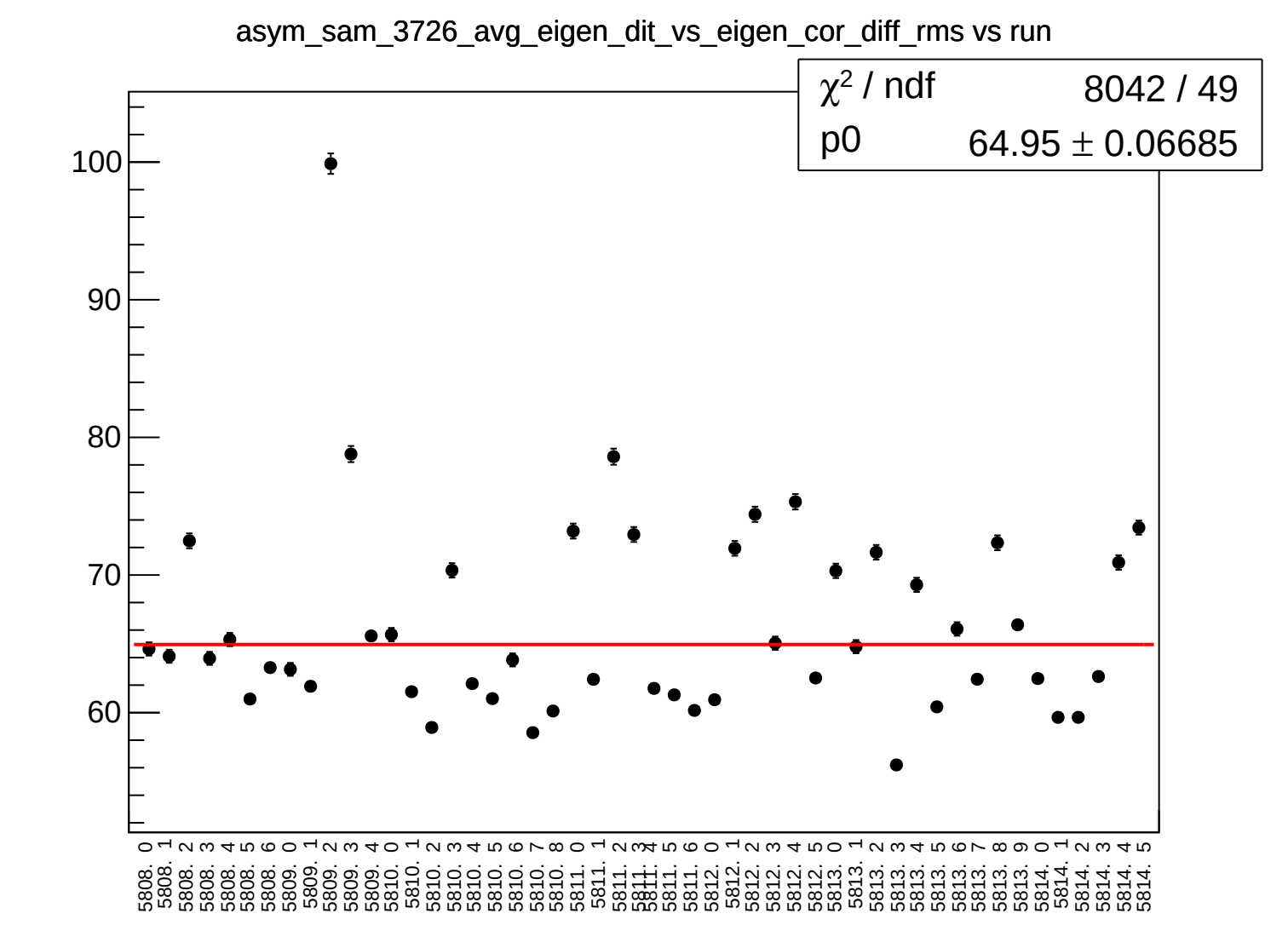

pull1D
Entries 50
Mean −0.006037
Std Dev 1.015

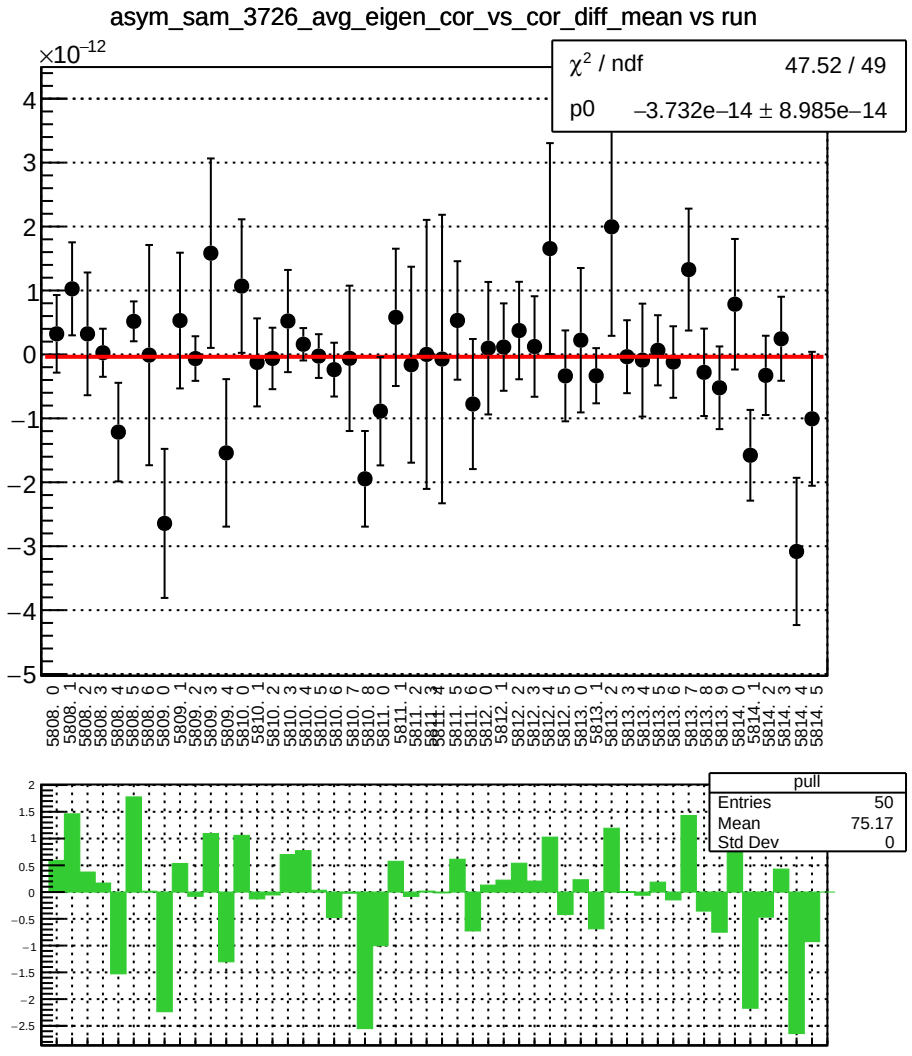

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2772 / 49
p0 0.009158 ± 9.399e−06
0.01
0.0095
0.009
0.0085
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

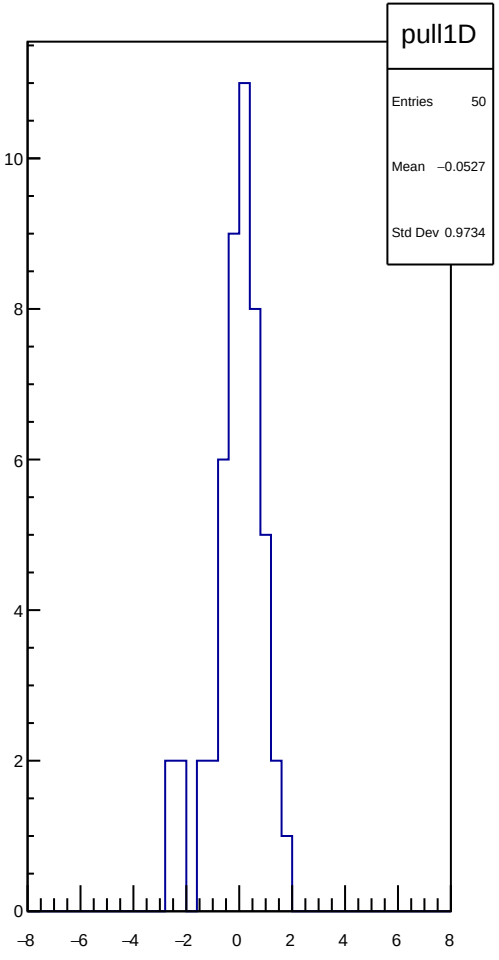

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.61 / 49
p0 −0.02886 ± 0.09454
pull
Entries 50
Mean 1877
Std Dev 0
pull1D
Entries 50
Mean 0.001942
Std Dev 0.9961

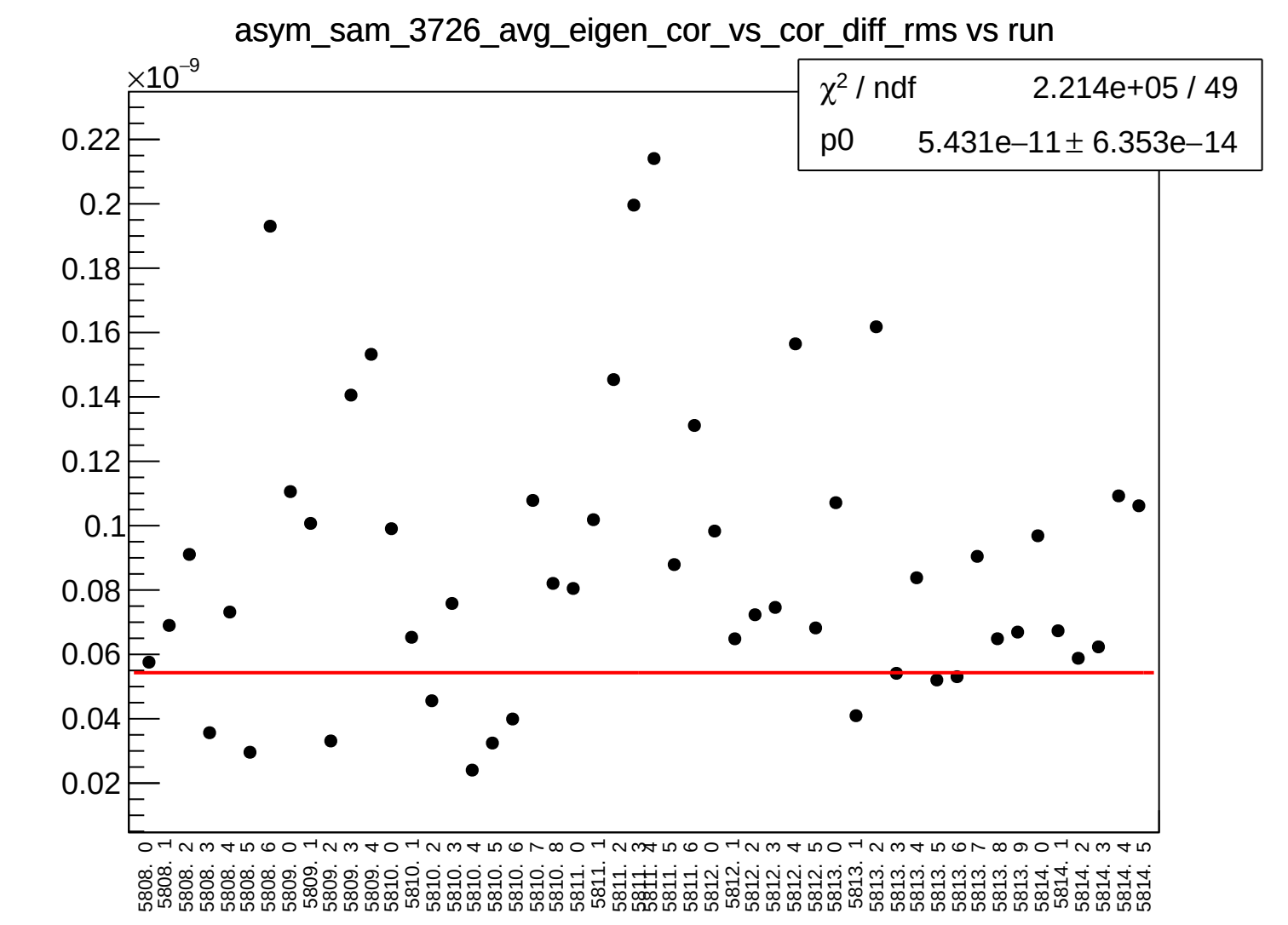

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8042 / 49
p0 64.95 ± 0.06685
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

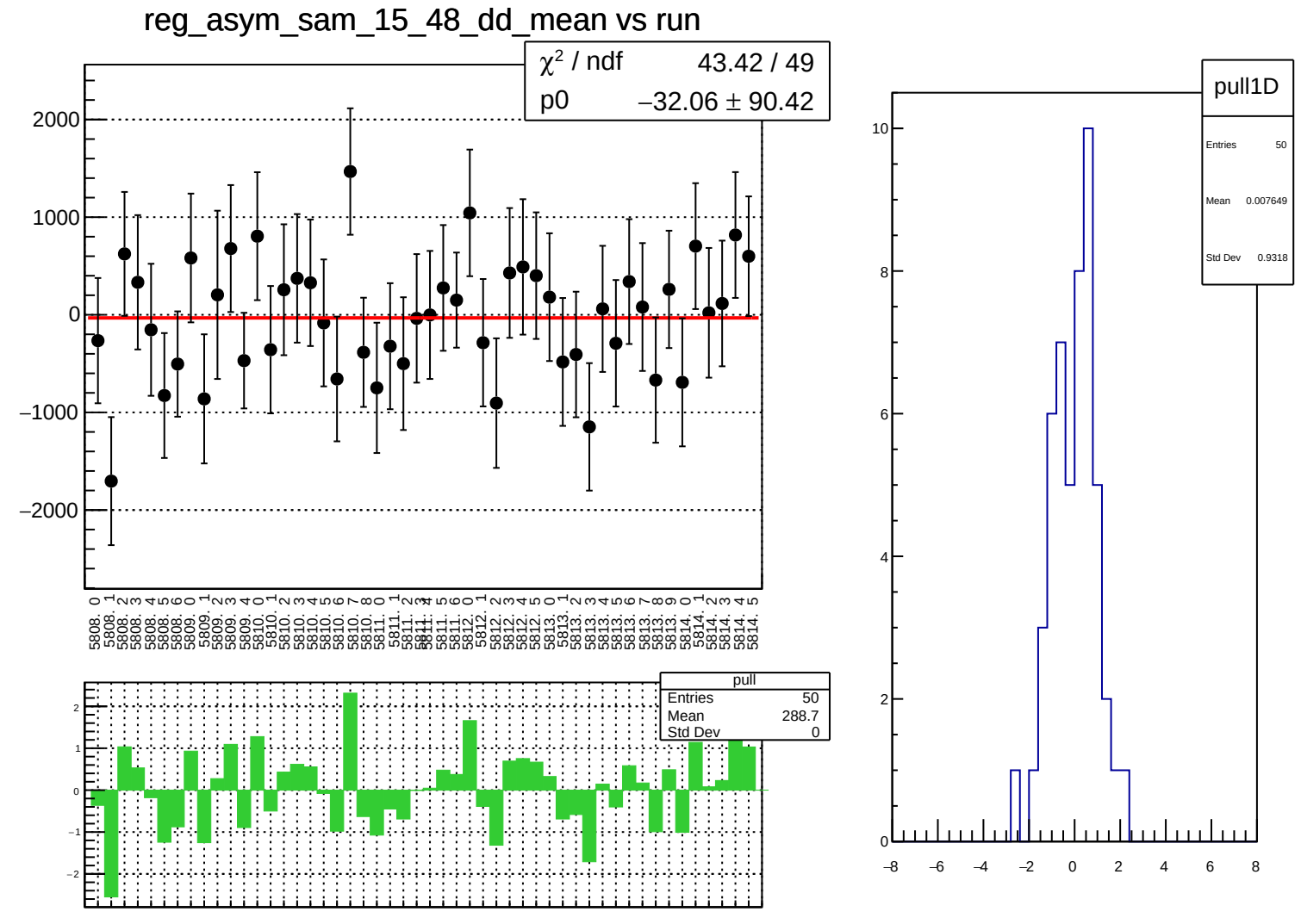

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.61 / 49
p0 −0.02886 ± 0.09454
pull
Entries 50
Mean 1877
Std Dev 0
pull1D
Entries 50
Mean 0.001942
Std Dev 0.9961

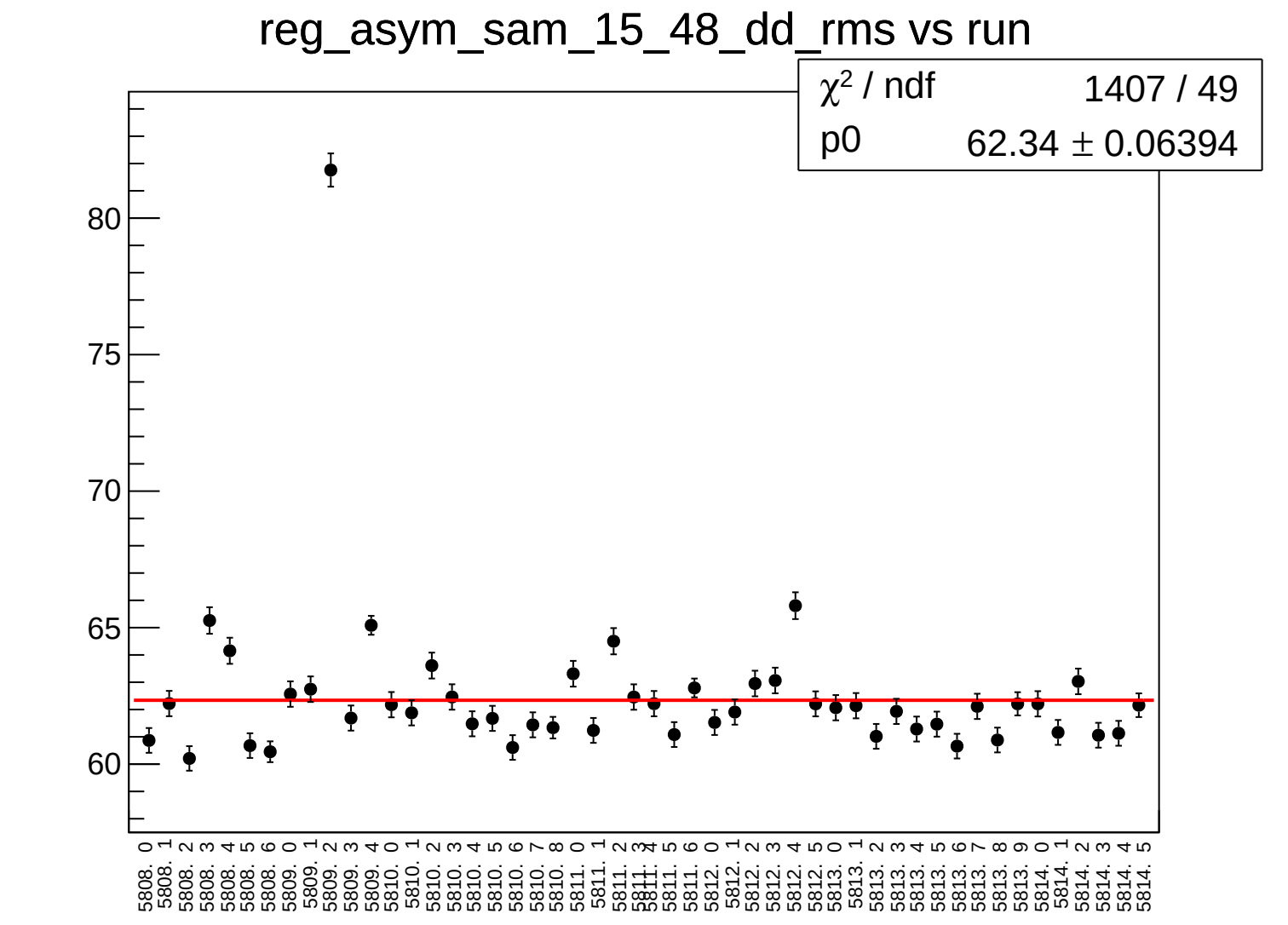

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8042 / 49
p0 64.95 ± 0.06685
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

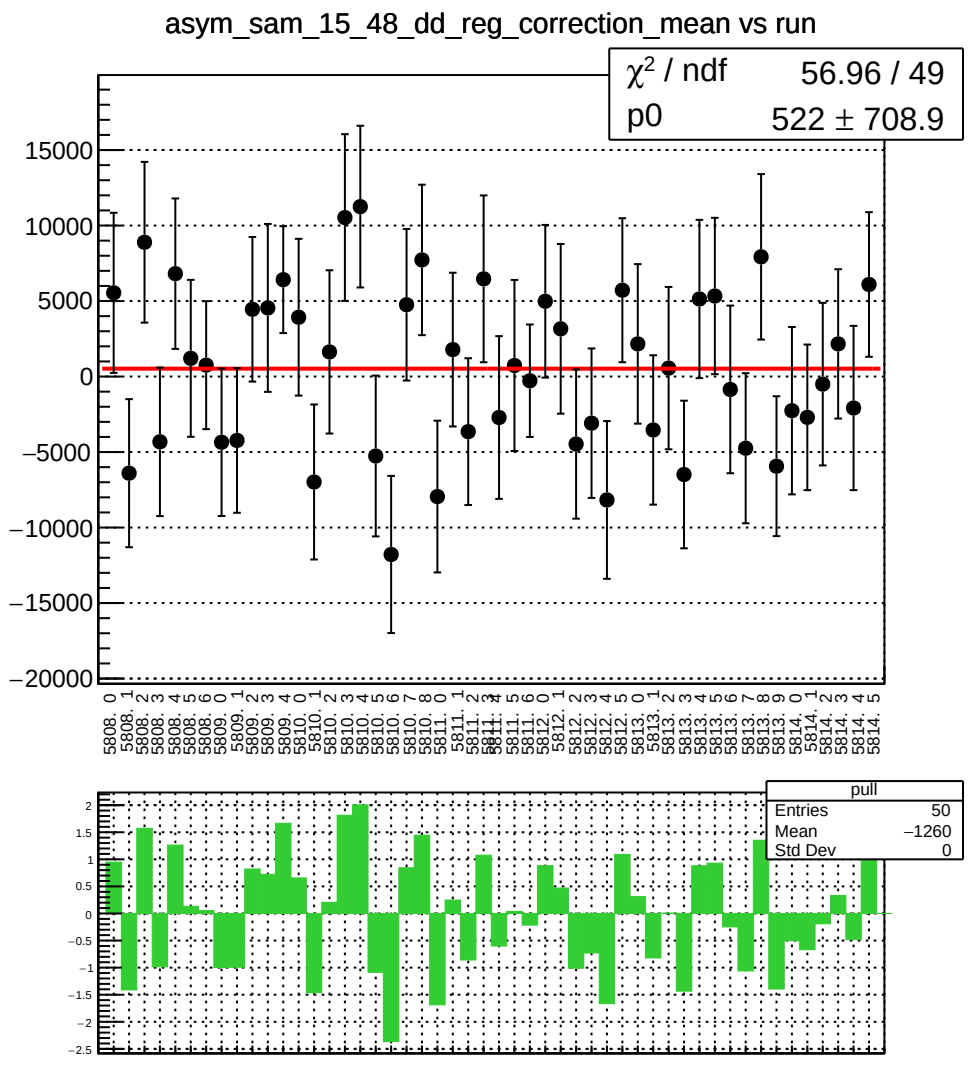

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.52 / 49
p0 −3.732e−14 ± 8.985e−14
pull
Entries 50
Mean 75.17
Std Dev 0


pull1D
Entries 50
Mean −0.0527
Std Dev 0.9734


asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.214e+05 / 49
p0 5.431e−11 ± 6.353e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 43.42 / 49
p0 −32.06 ± 90.42
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 288.7
Std Dev 0
pull1D
Entries 50
Mean 0.007649
Std Dev 0.9318
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 1407 / 49
p0 62.34 ± 0.06394
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 56.96 / 49
p0 522 ± 708.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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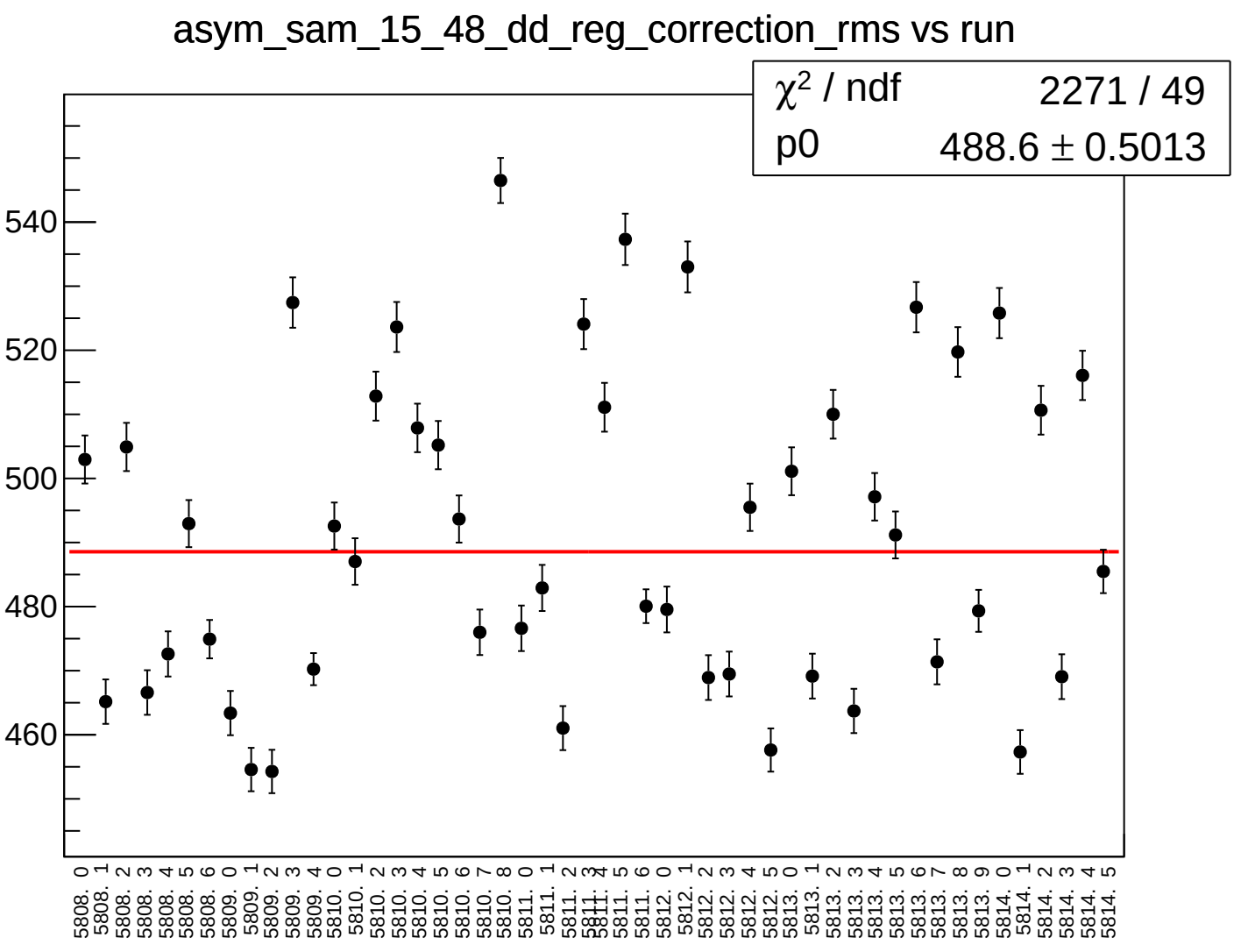
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1260
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.001379
Std Dev 1.067
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_reg_correction_rms vs run
χ^2 / ndf 2271 / 49
p0 488.6 ± 0.5013
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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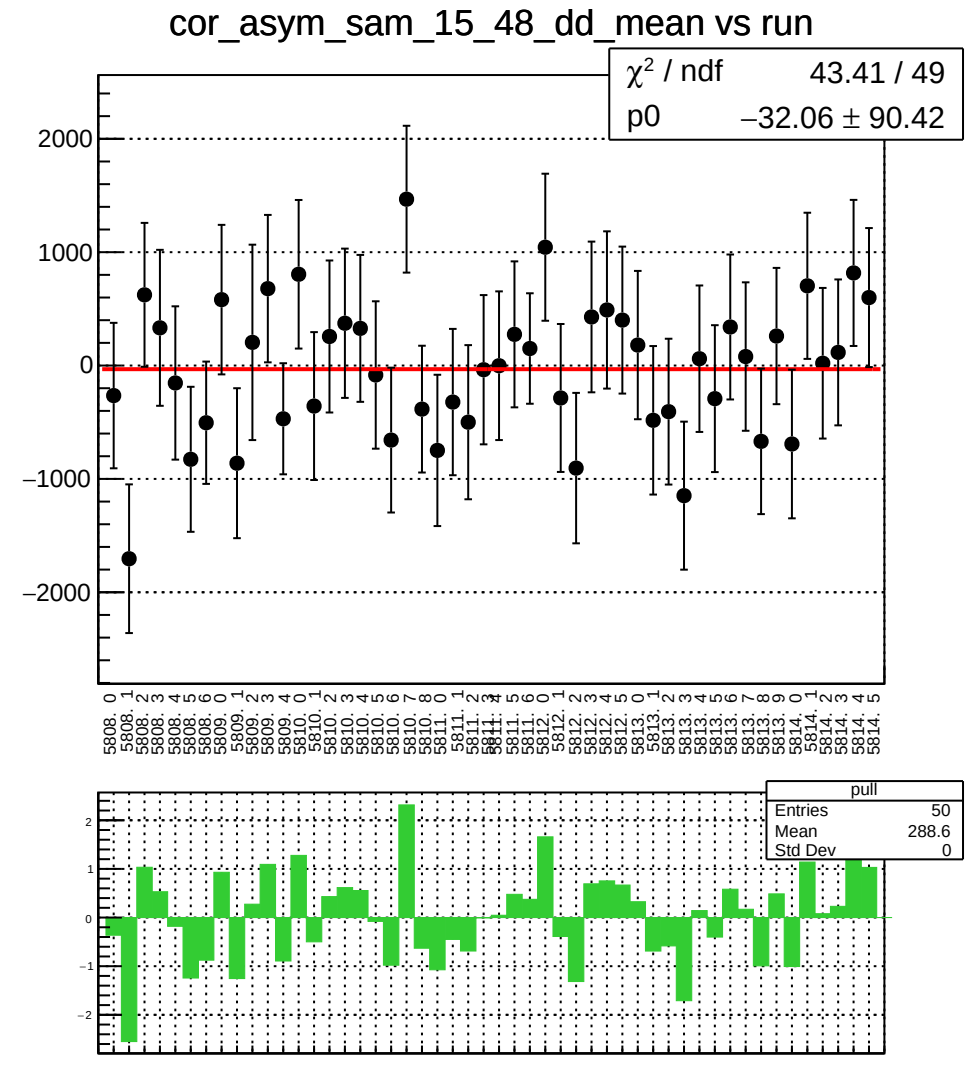
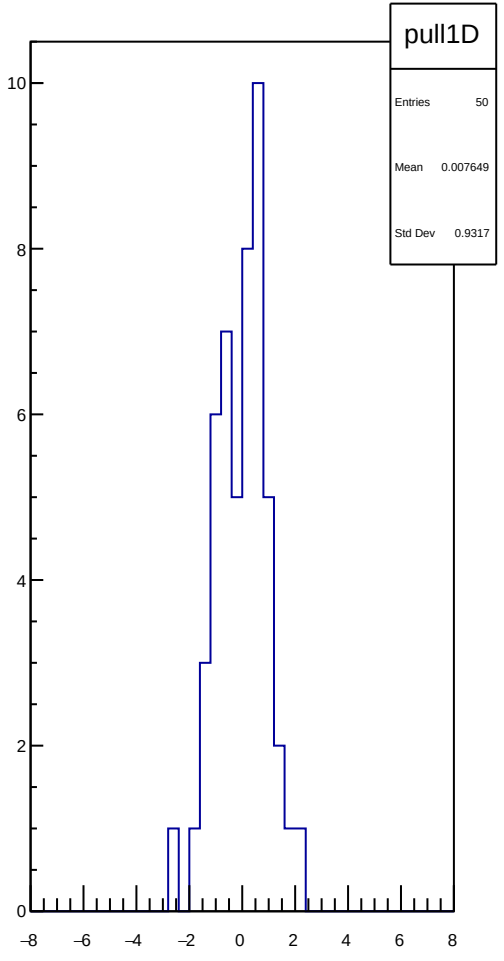
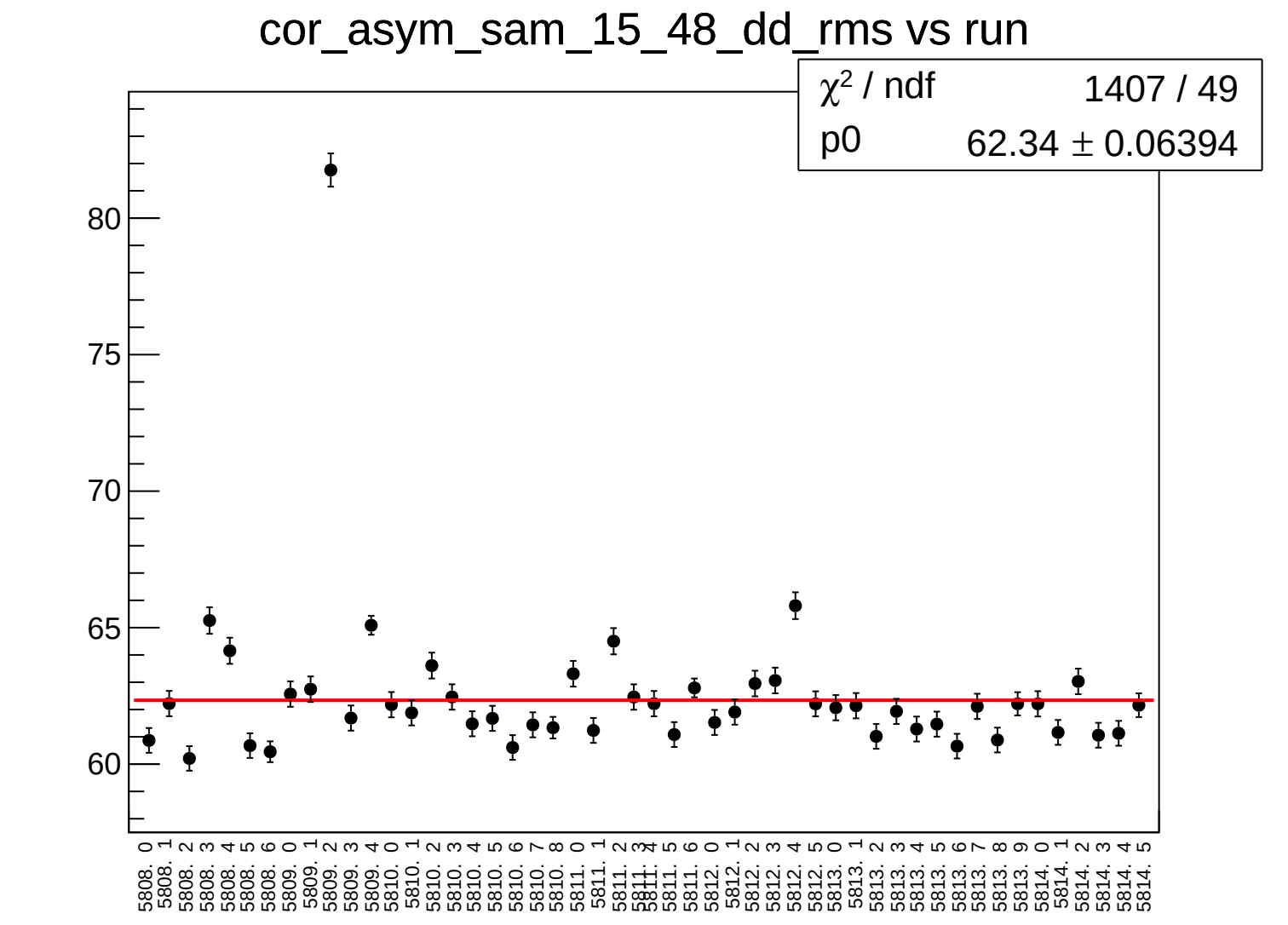
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 43.41 / 49
p0 −32.06 ± 90.42
2000
1000
0
−1000
−2000
pull
Entries 50
Mean 288.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.007649
Std Dev 0.9317
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1407 / 49
p0 62.34 ± 0.06394
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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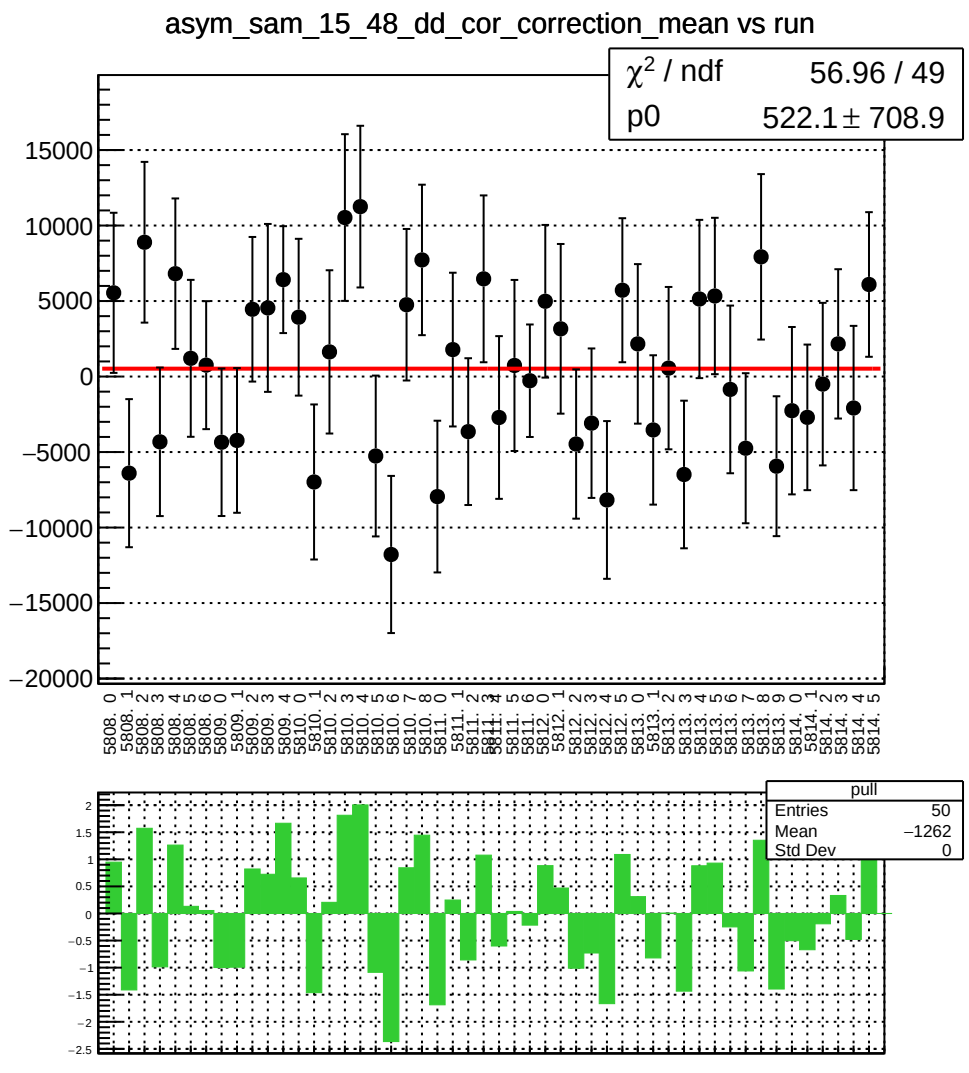
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 56.96 / 49
p0 522.1 ± 708.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
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5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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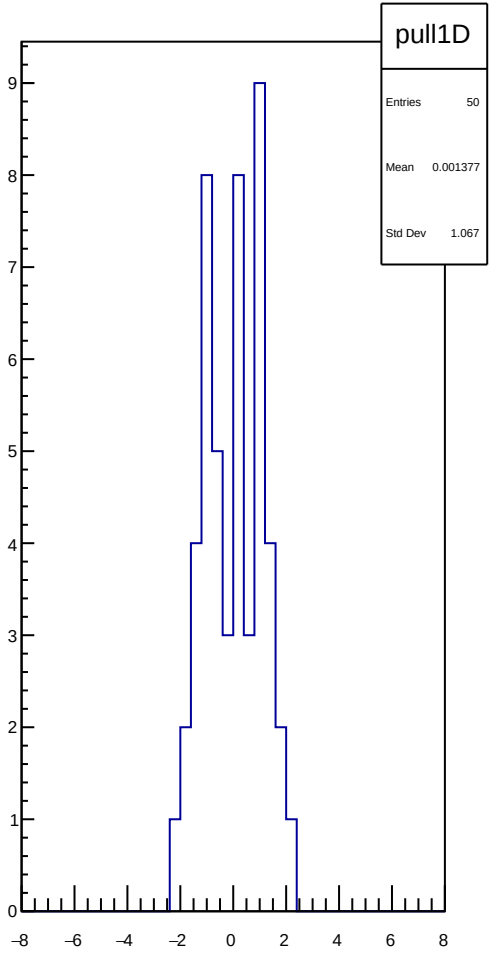
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1262
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 50
Mean 0.001377
Std Dev 1.067
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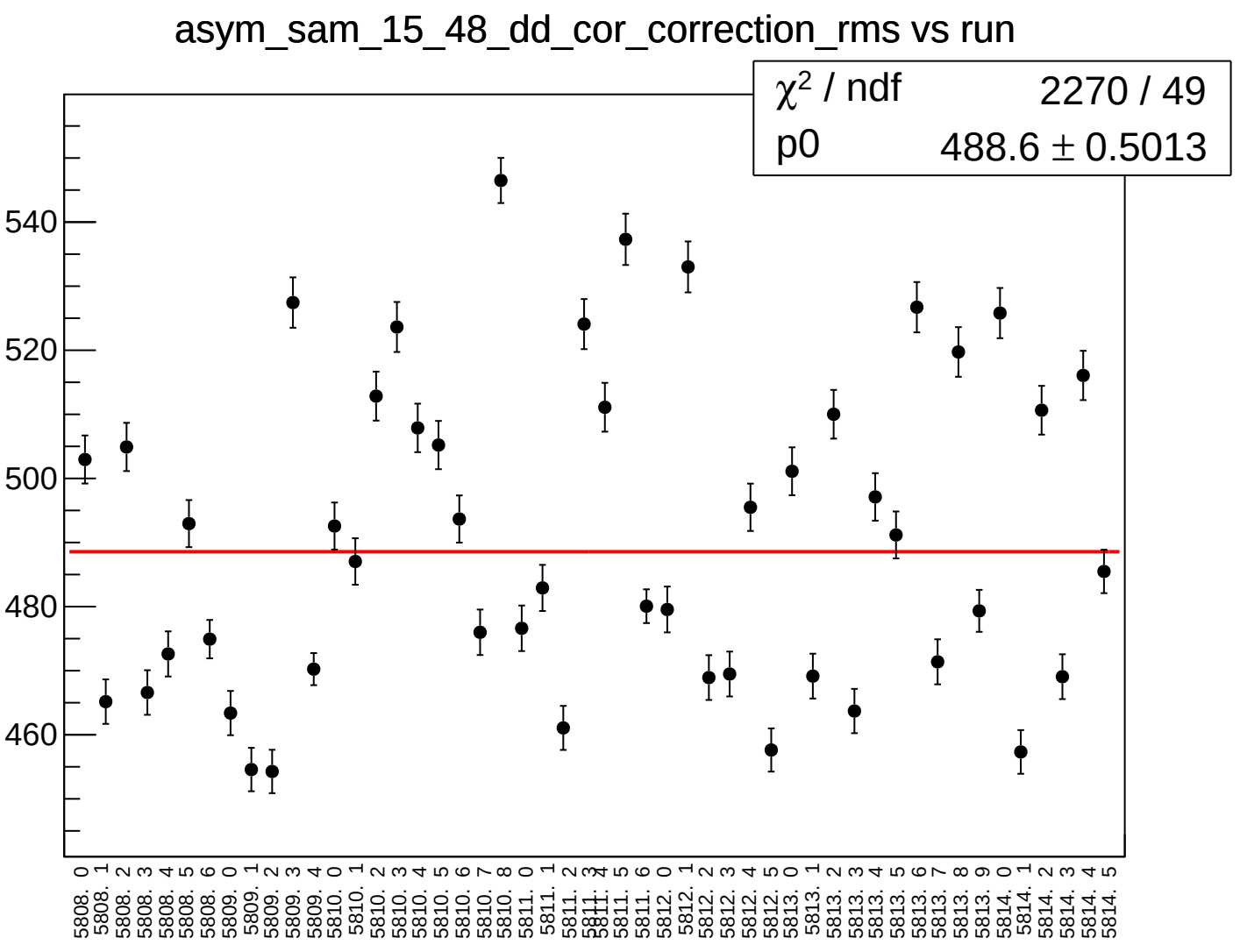
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_48_dd_cor_correction_rms vs run
χ^2 / ndf 2270 / 49
p0 488.6 ± 0.5013
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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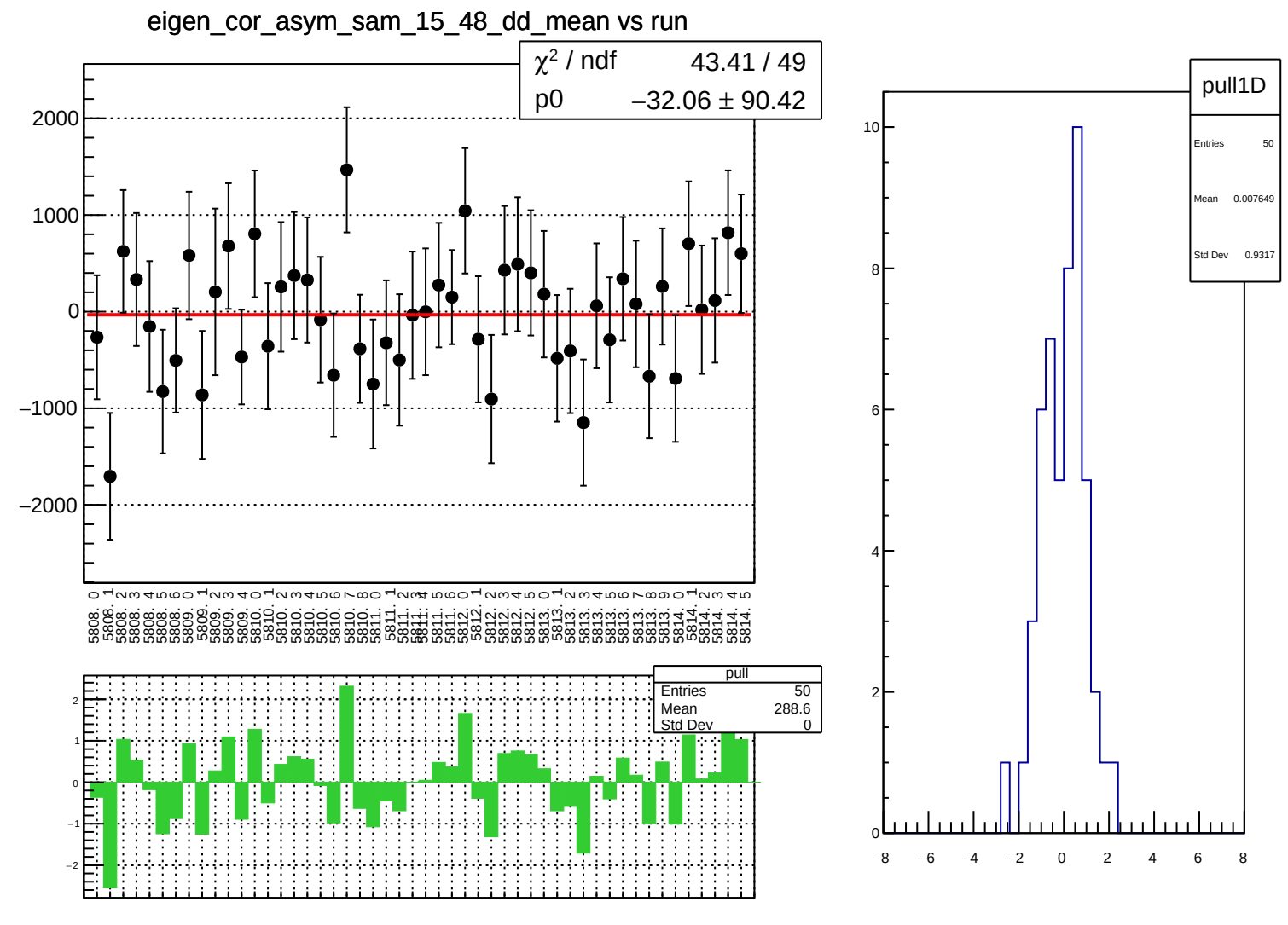
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 43.41 / 49
p0 −32.06 ± 90.42
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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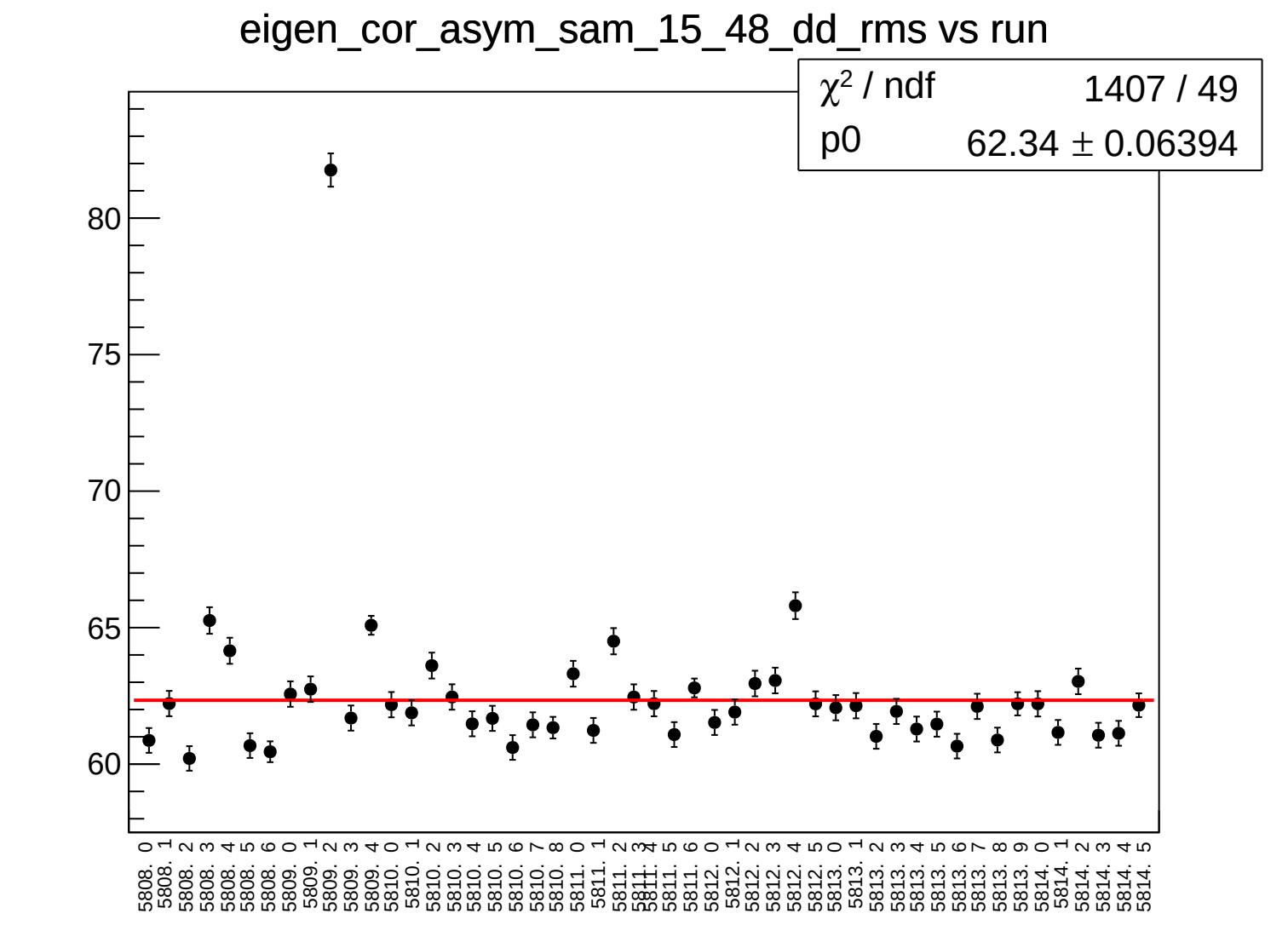
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 288.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007649
Std Dev 0.9317
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 1407 / 49
p0 62.34 ± 0.06394
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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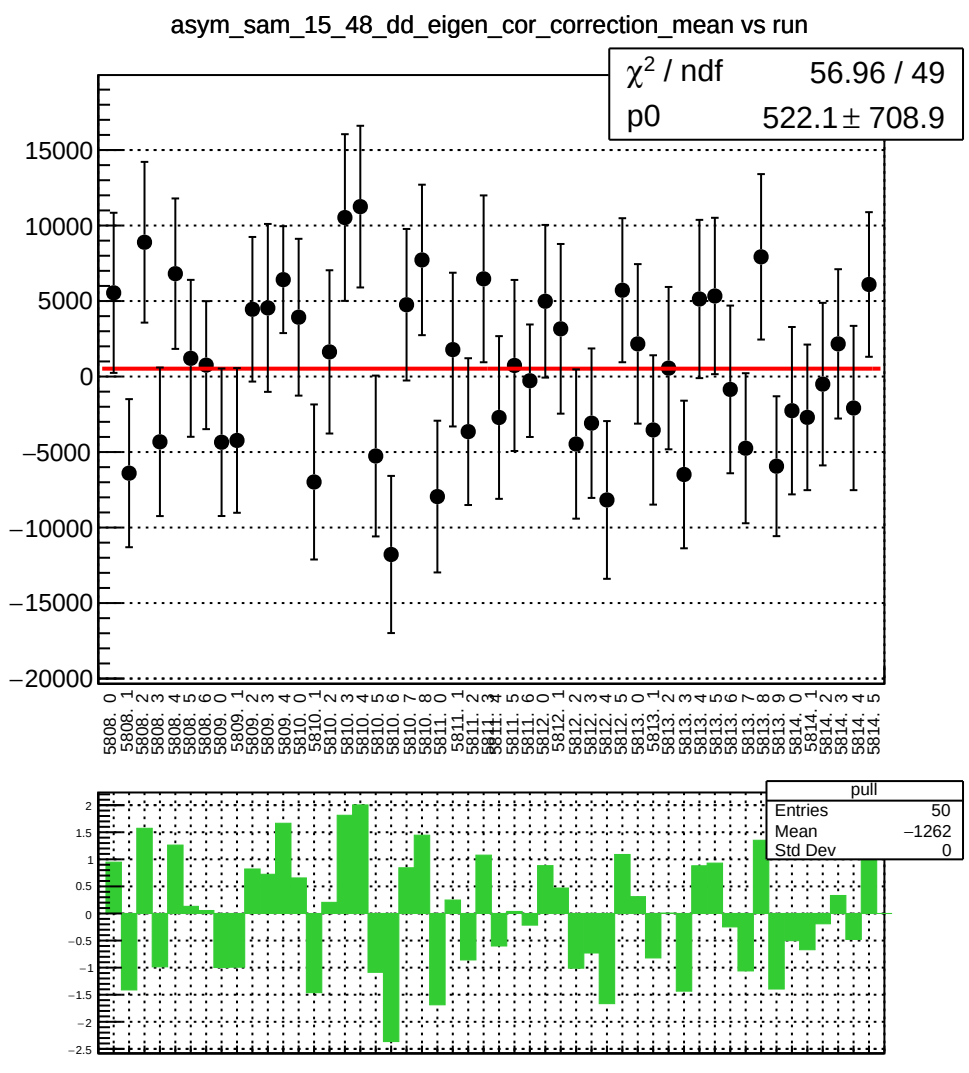
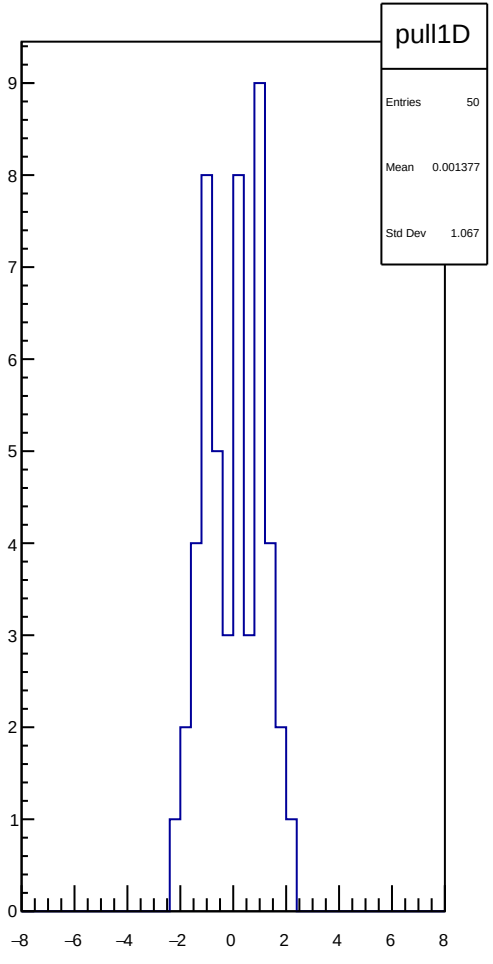
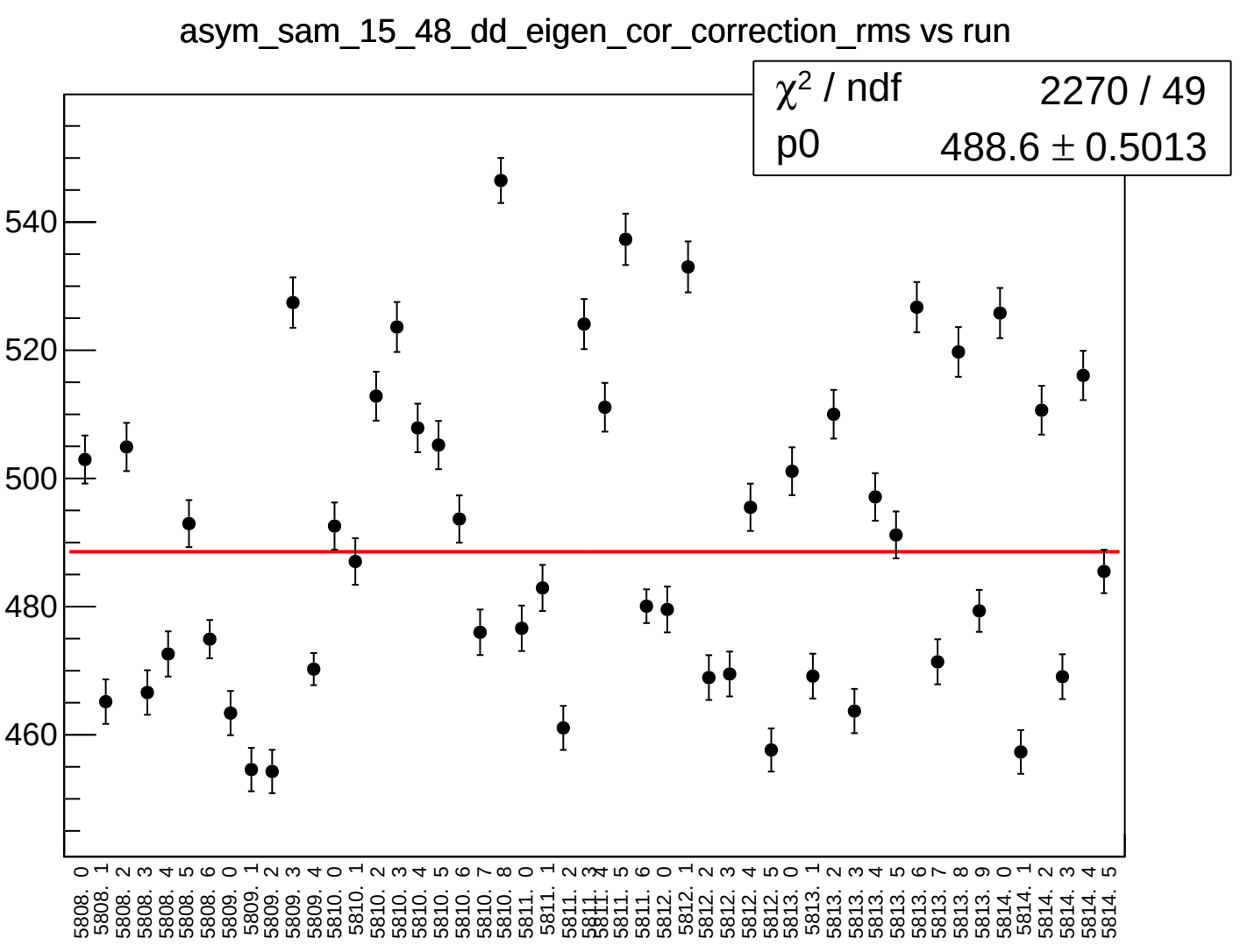
5814. 5


asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 56.96 / 49
p0 522.1 ± 708.9
pull
Entries 50
Mean −1262
Std Dev 0


pull1D
Entries 50
Mean 0.001377
Std Dev 1.067


asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2270 / 49
p0 488.6 ± 0.5013
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
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5813. 4
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5813. 8
5813. 9
5814. 0
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5814. 2
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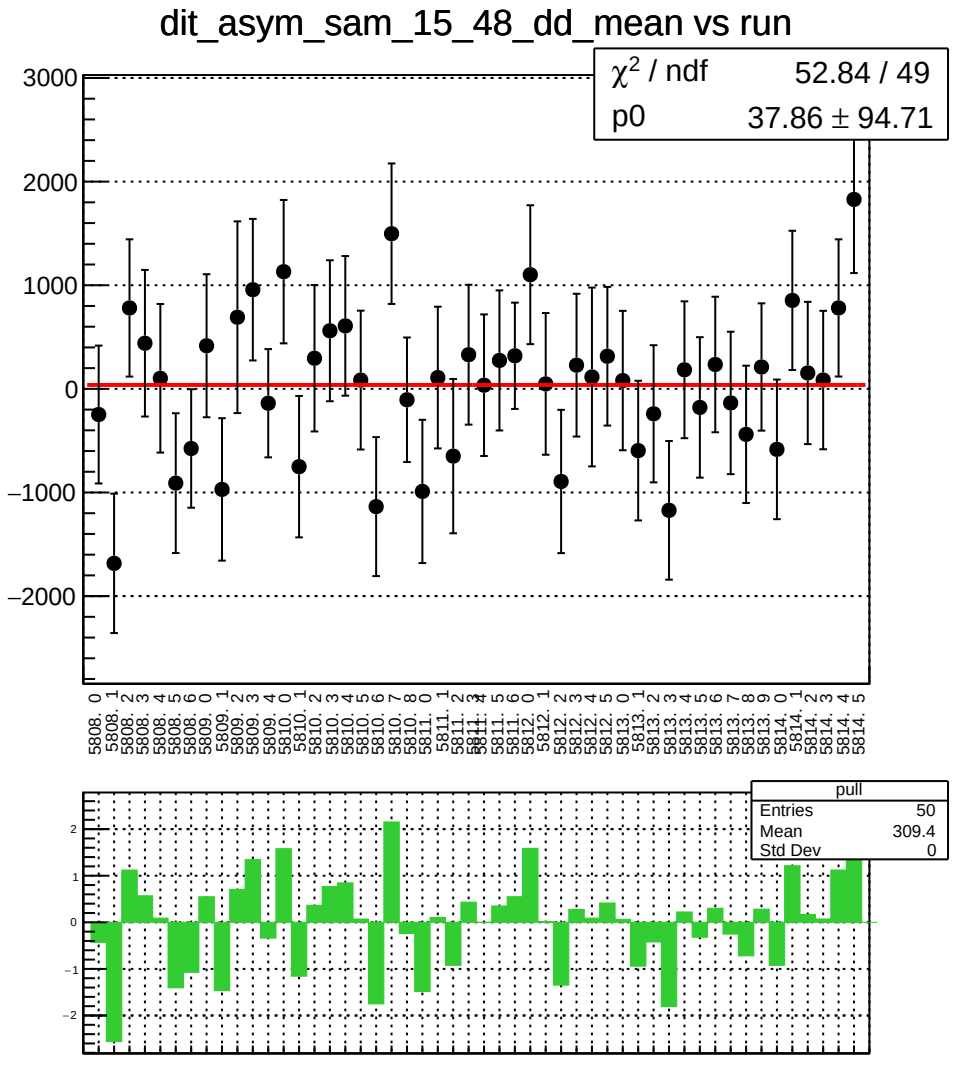
5814. 4
5814. 5


dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 52.84 / 49
p0 37.86 ± 94.71
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
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5812. 4
5812. 5
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5813. 2
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5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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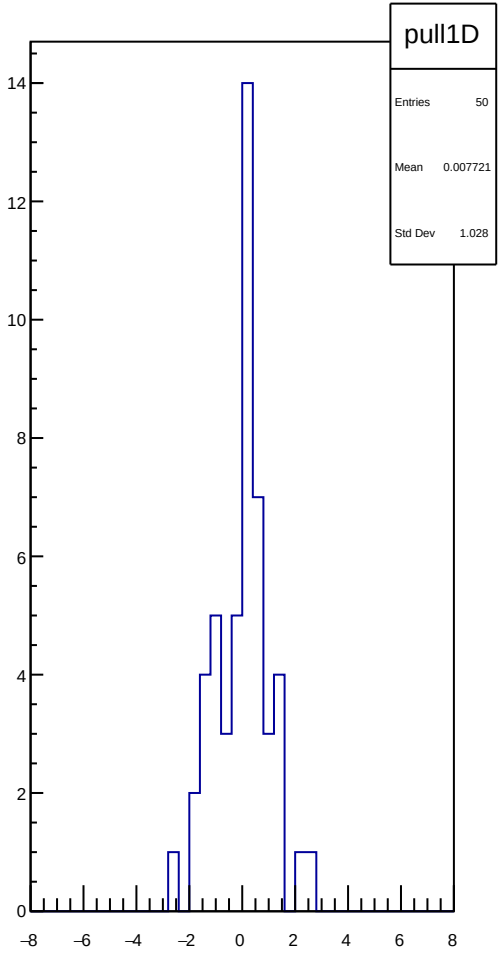
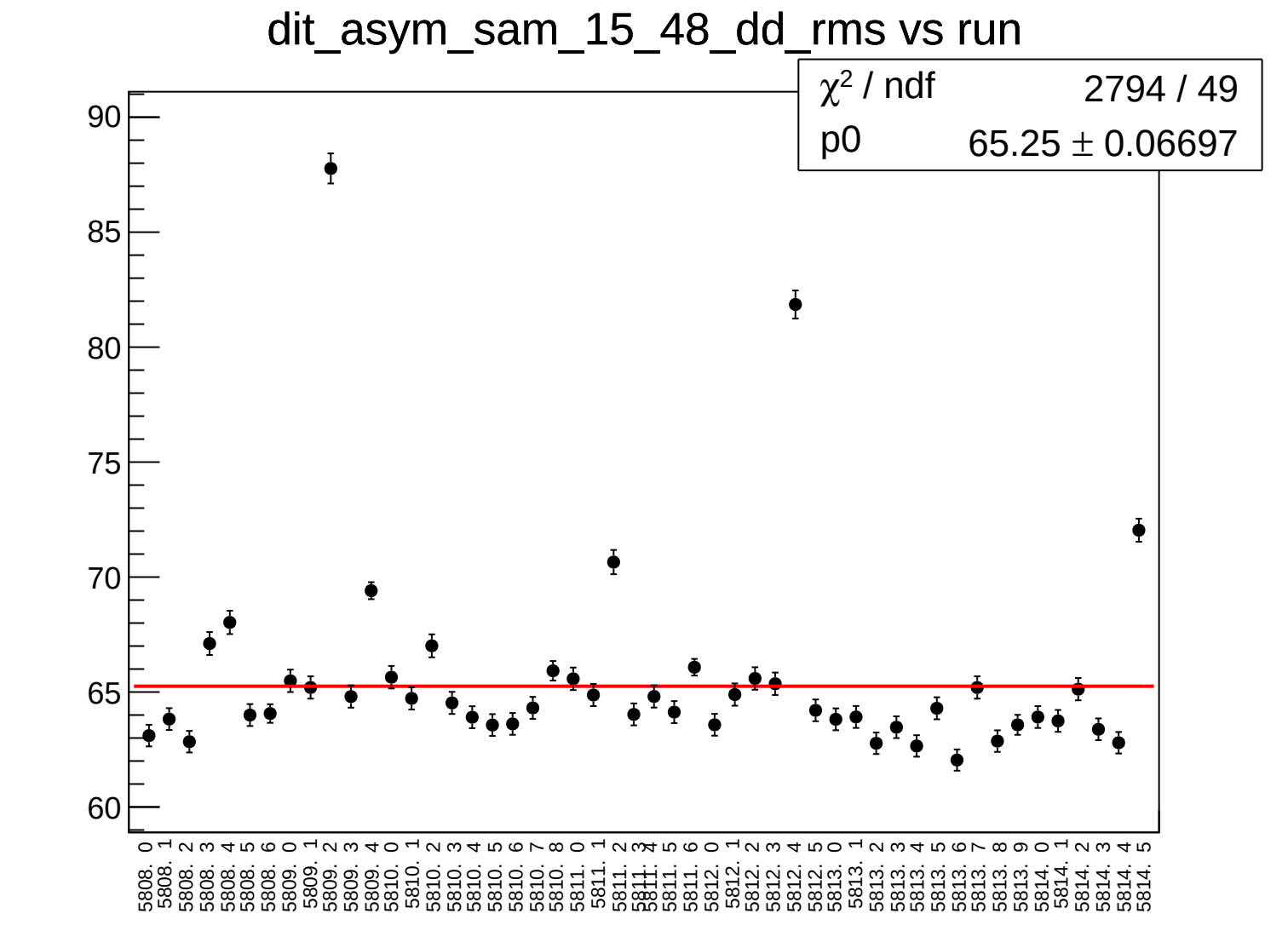
5814. 4
5814. 5
pull
Entries 50
Mean 309.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean 0.007721
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_48_dd_rms vs run
χ^2 / ndf 2794 / 49
p0 65.25 ± 0.06697
90
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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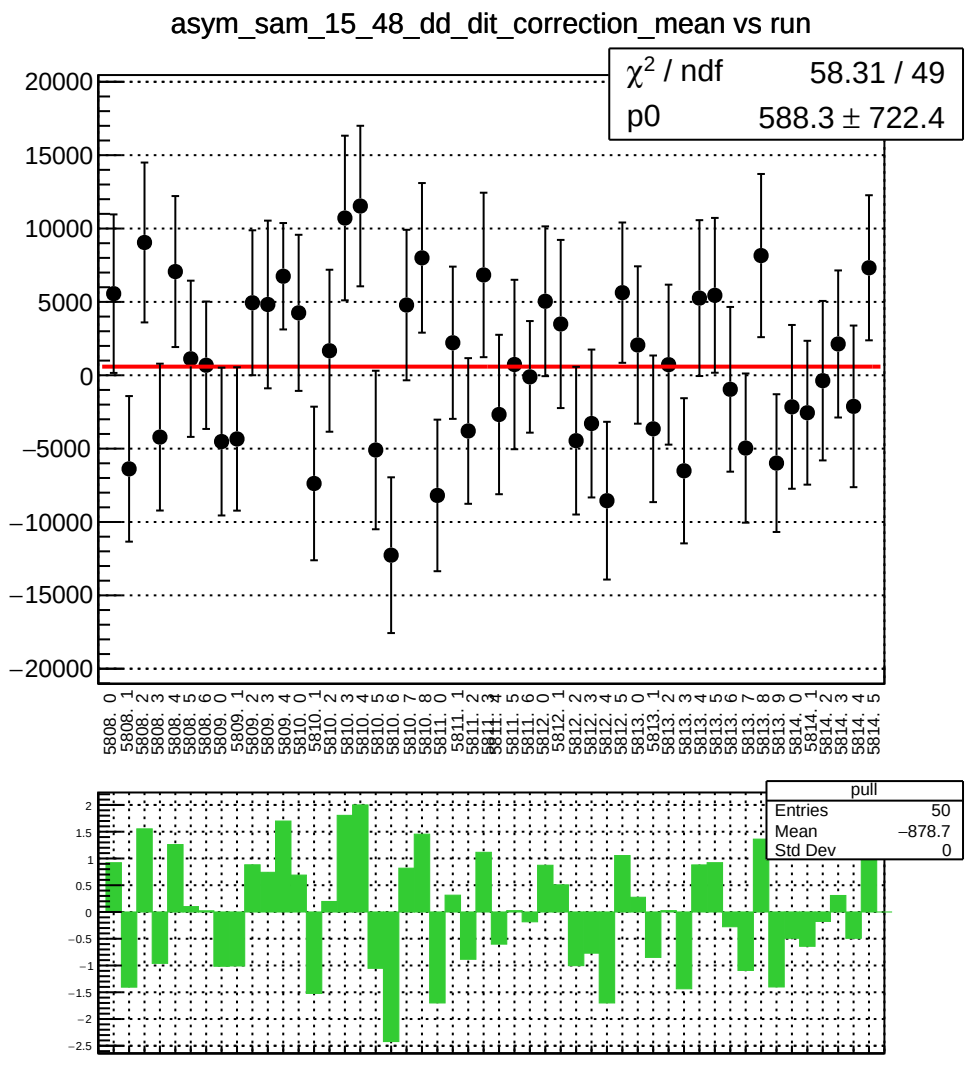
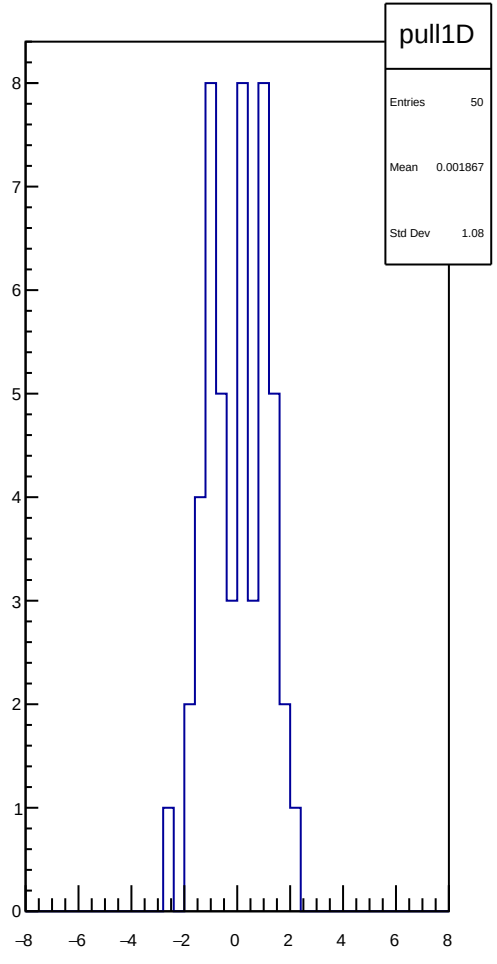
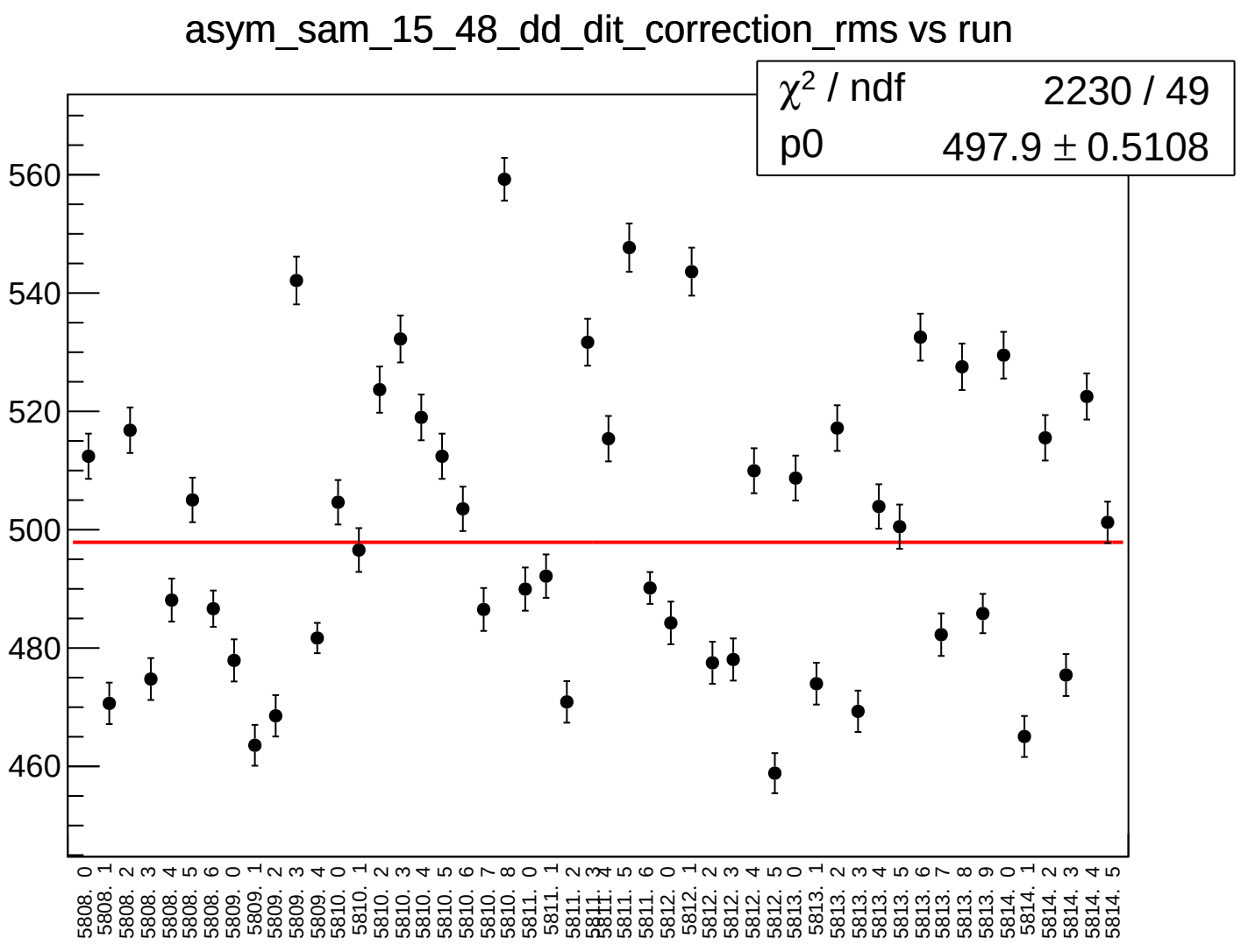
5814. 4
5814. 5


asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 58.31 / 49
p0 588.3 ± 722.4
pull
Entries 50
Mean −878.7
Std Dev 0


pull1D
Entries 50
Mean 0.001867
Std Dev 1.08


asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 2230 / 49
p0 497.9 ± 0.5108
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
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5813. 0
5813. 1
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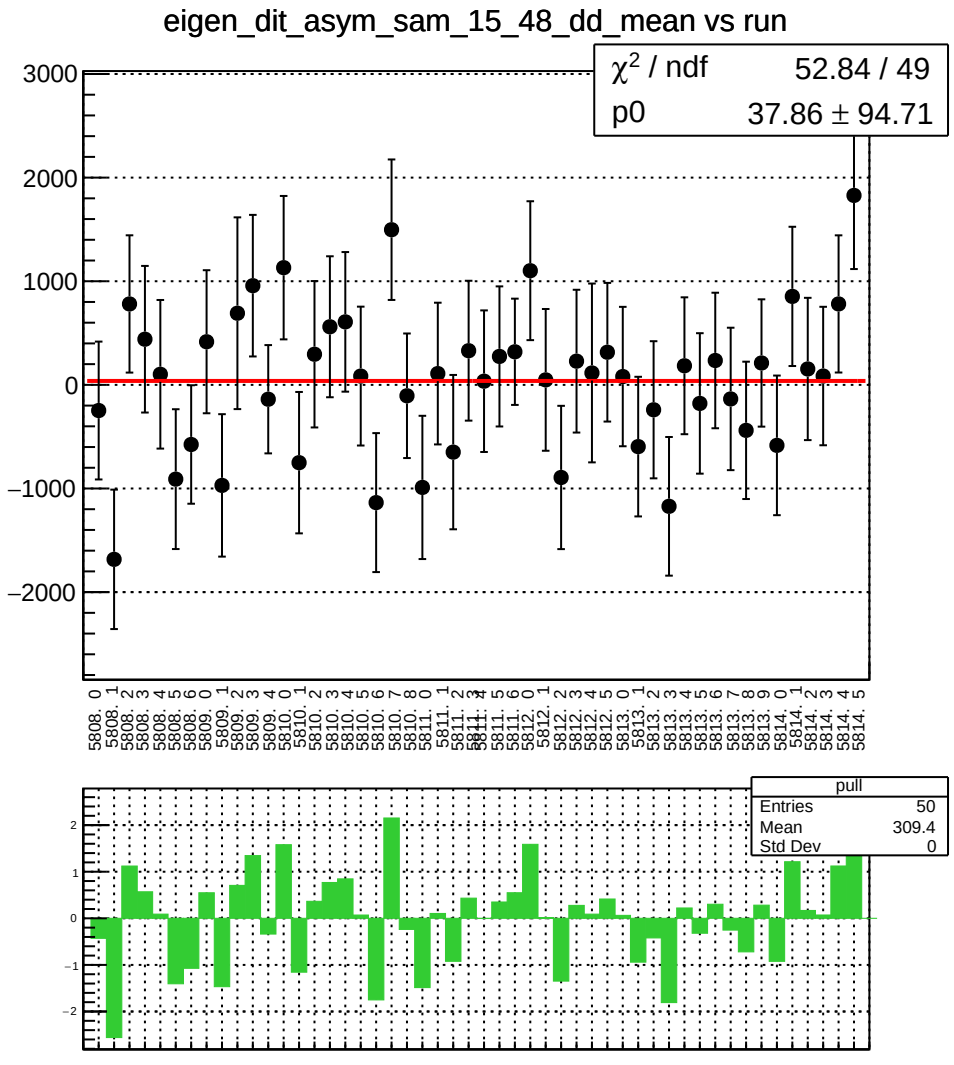
5814. 5


eigen_dit_asym_sam_15_48_dd_mean vs run
χ^2 / ndf 52.84 / 49
p0 37.86 ± 94.71
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
5813. 3
5813. 4
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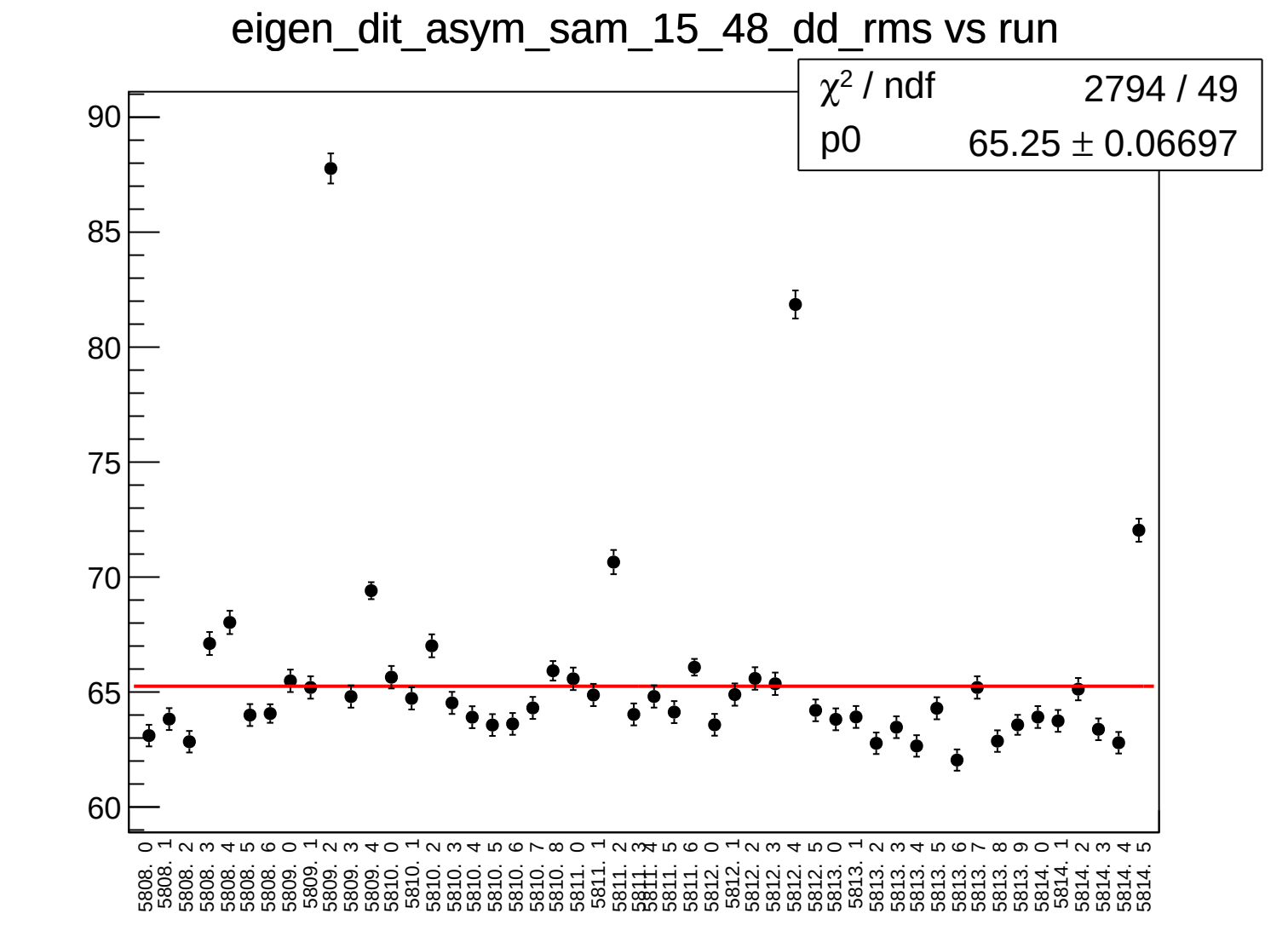
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 309.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.007721
Std Dev 1.028
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 2794 / 49
p0 65.25 ± 0.06697
90
85
80
75
70
65
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
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5810. 2
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5810. 6
5810. 7
5810. 8
5811. 0
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5811. 6
5812. 0
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5812. 3
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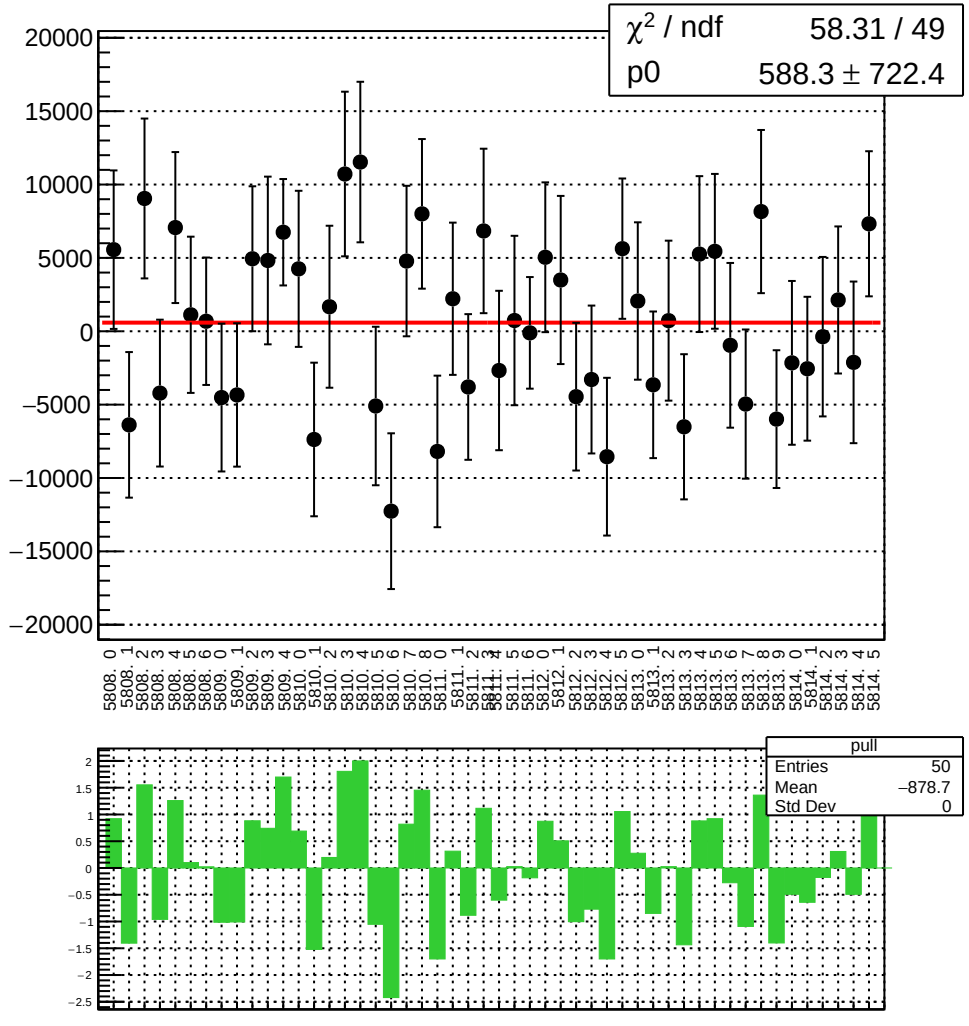
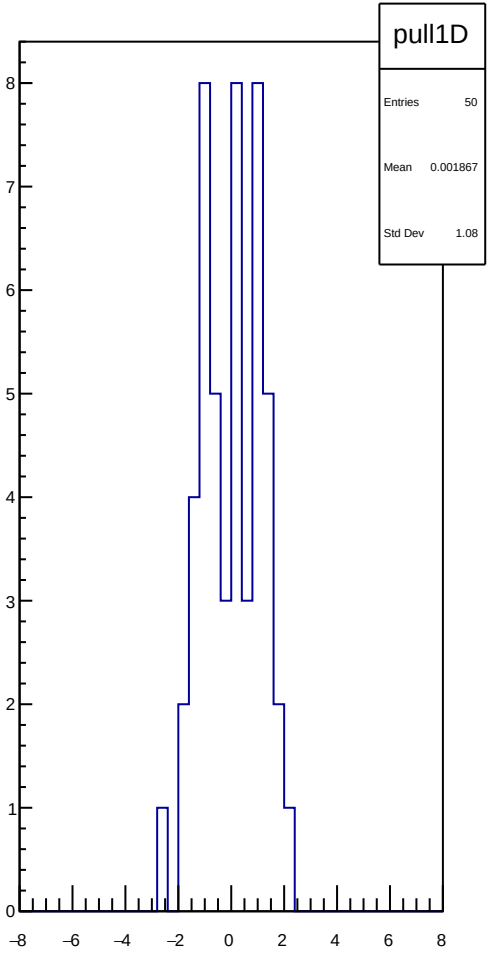
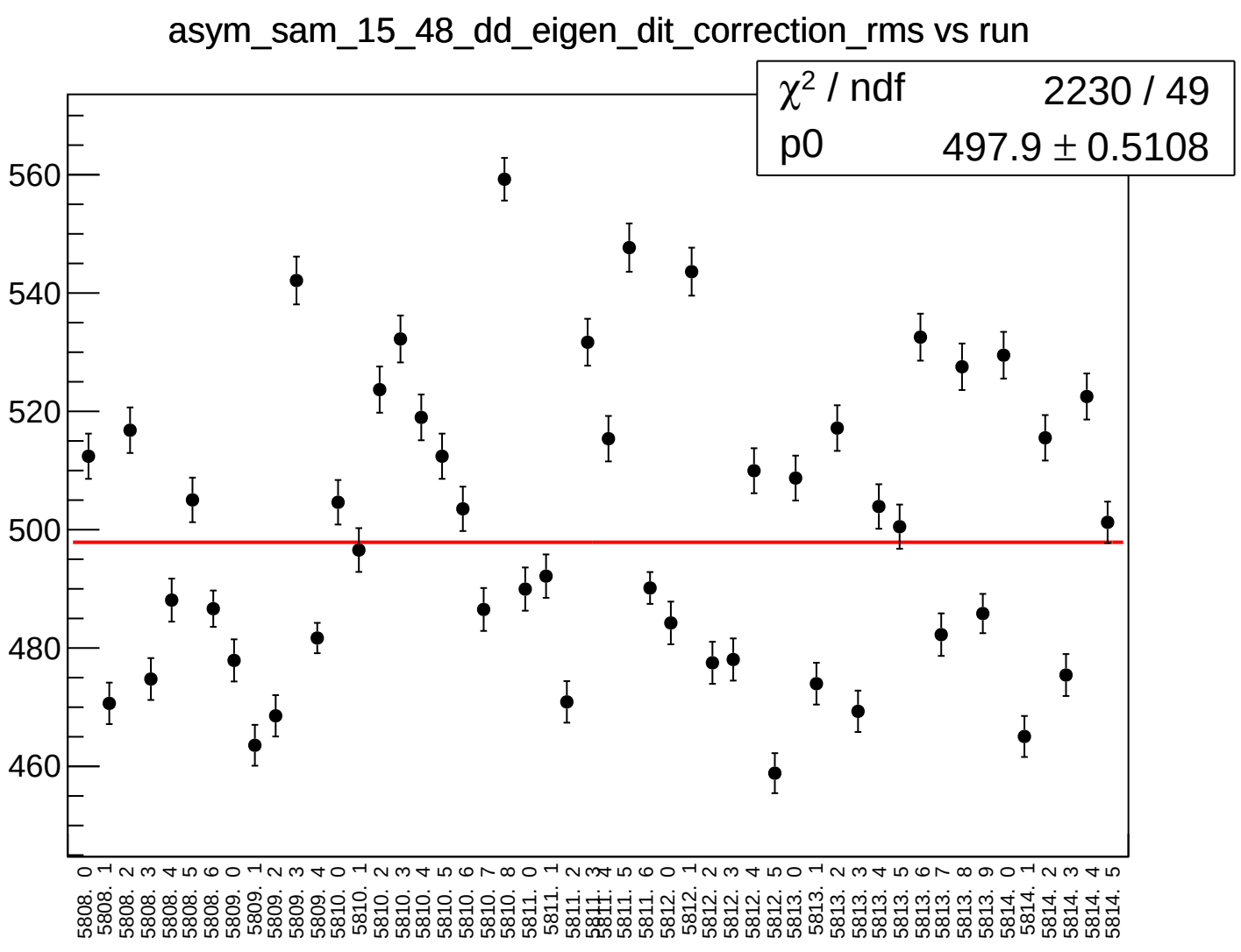
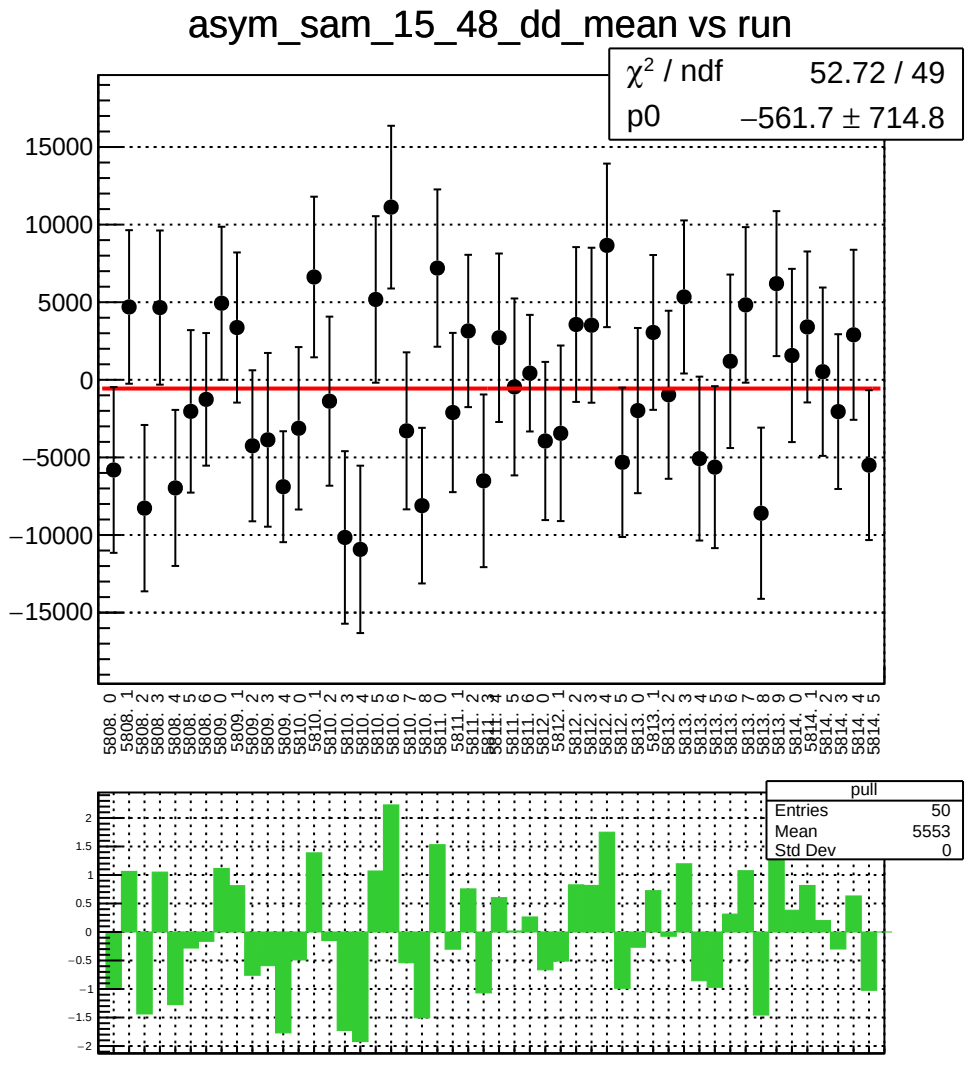
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

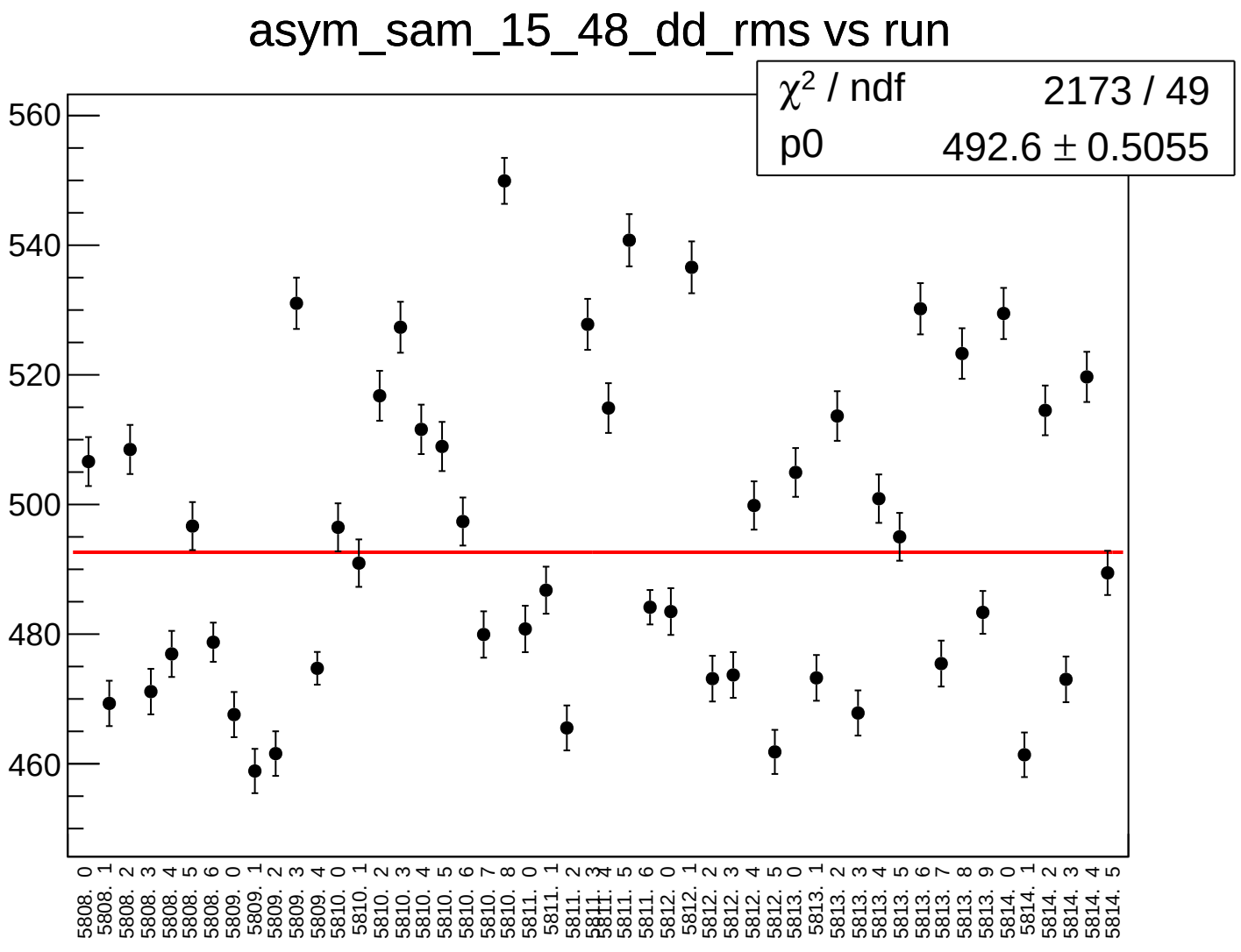
asym_sam_15_48_dd_eigen_dit_correction_mean vs run

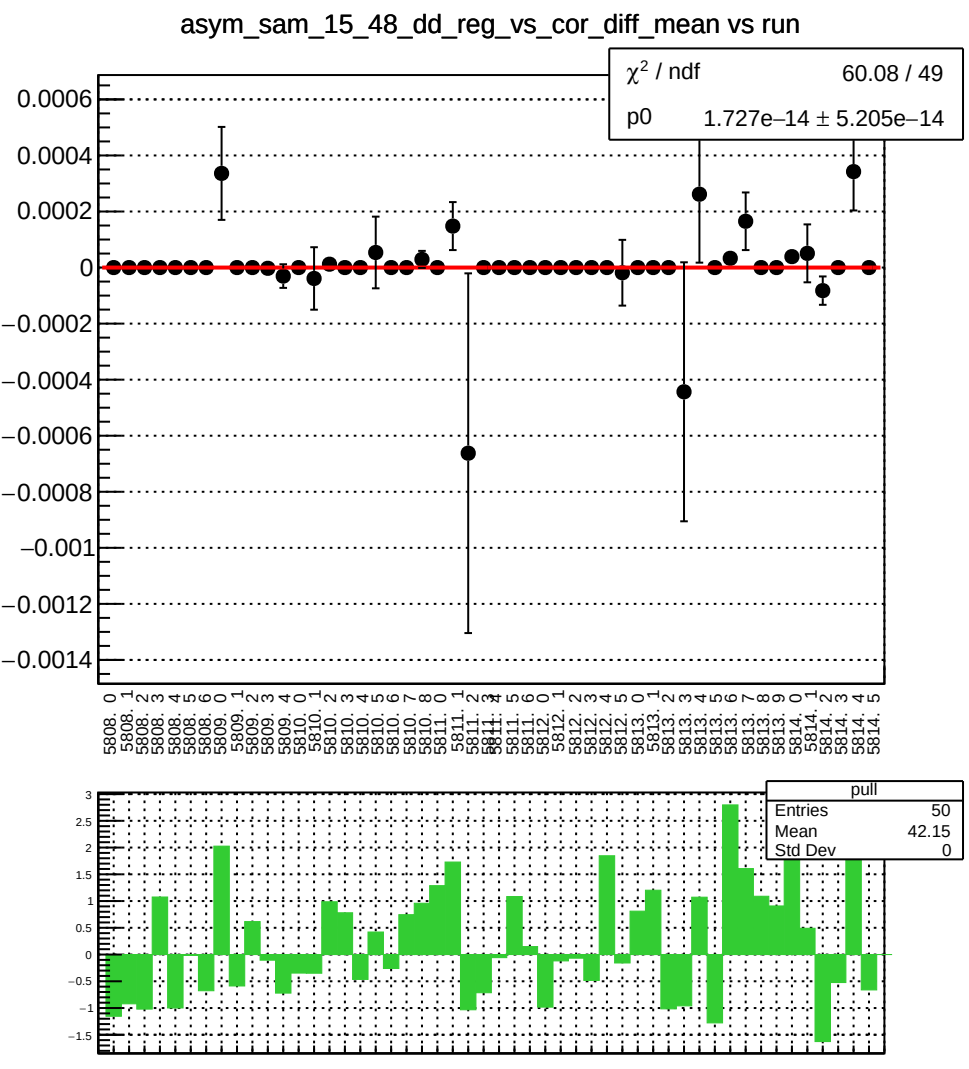


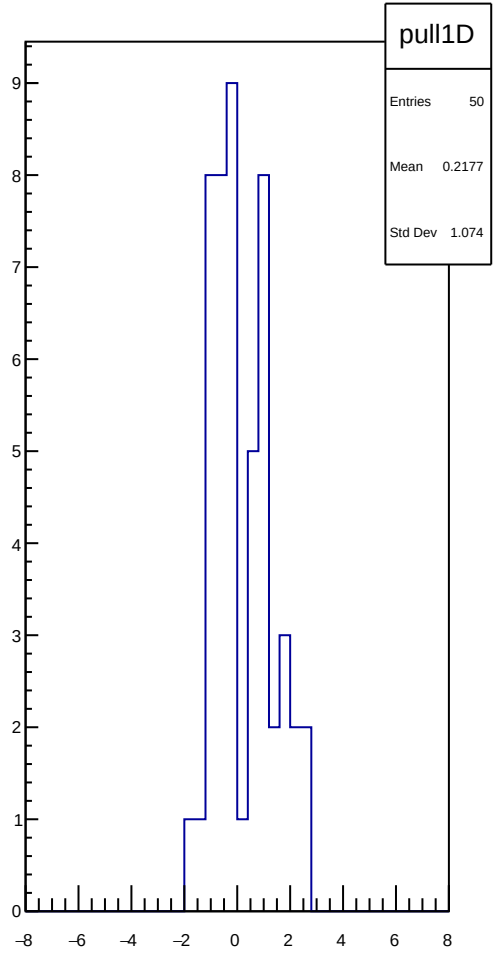


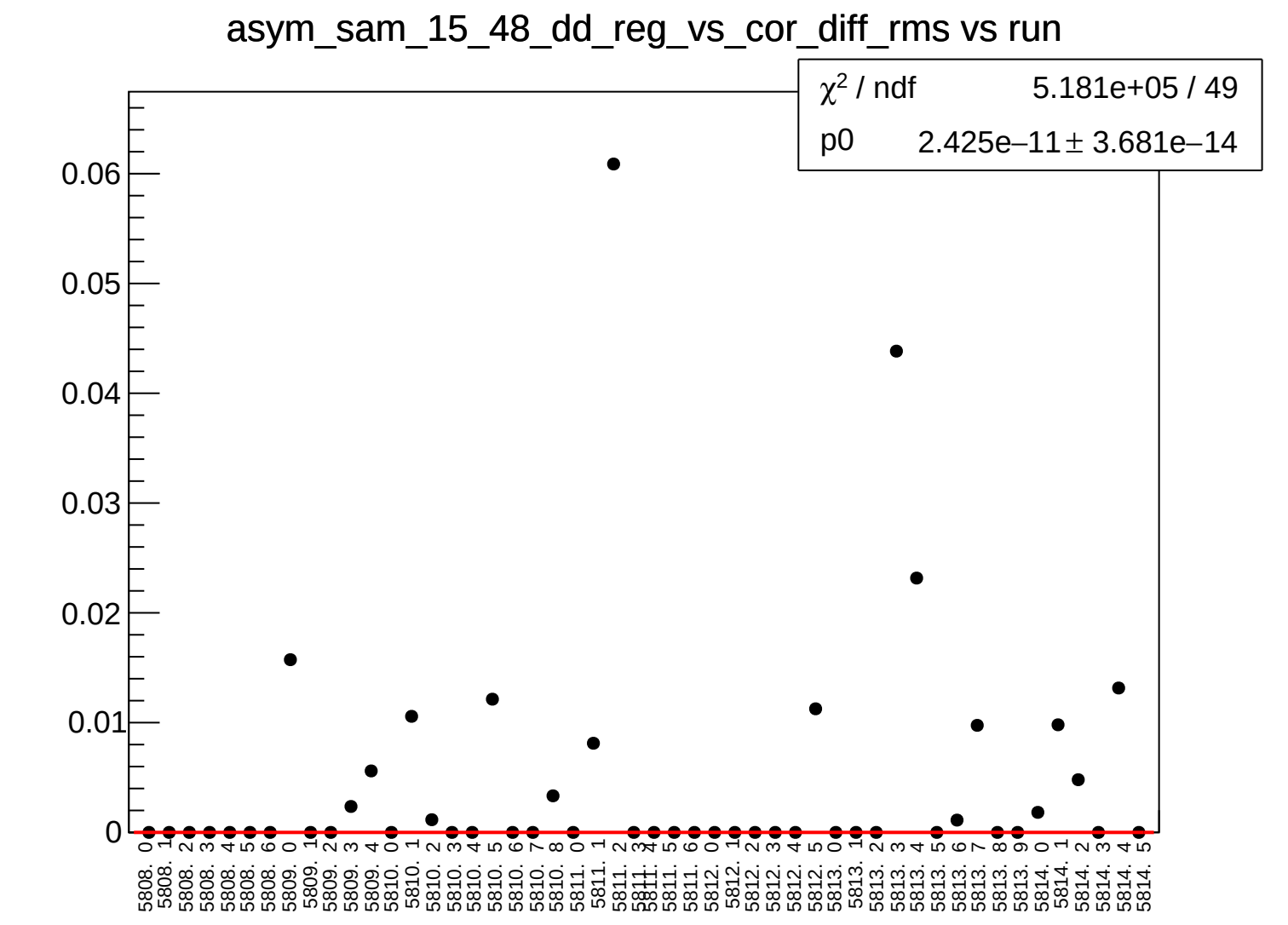

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2230 / 49
p0 497.9 ± 0.5108
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

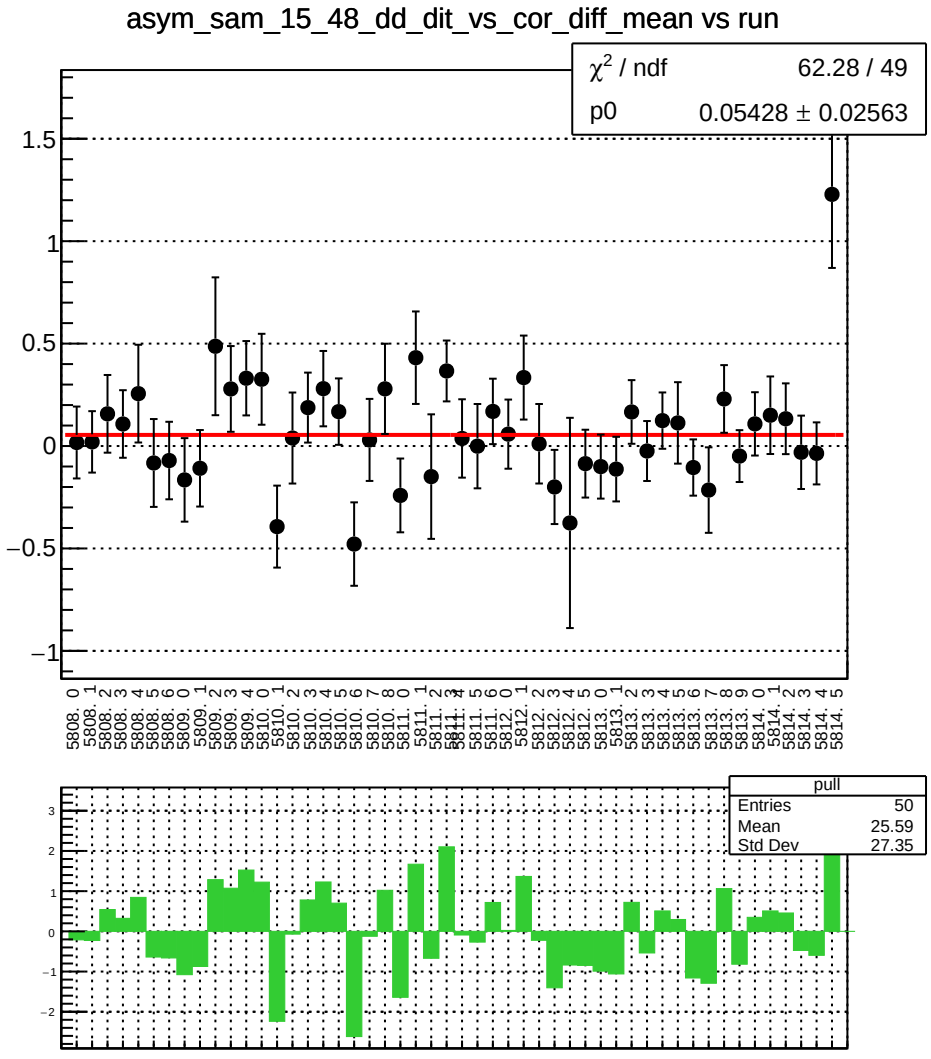

asym_sam_15_48_dd_mean vs run
χ² / ndf 52.72 / 49
p0 −561.7 ± 714.8
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 5553
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.0003663
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

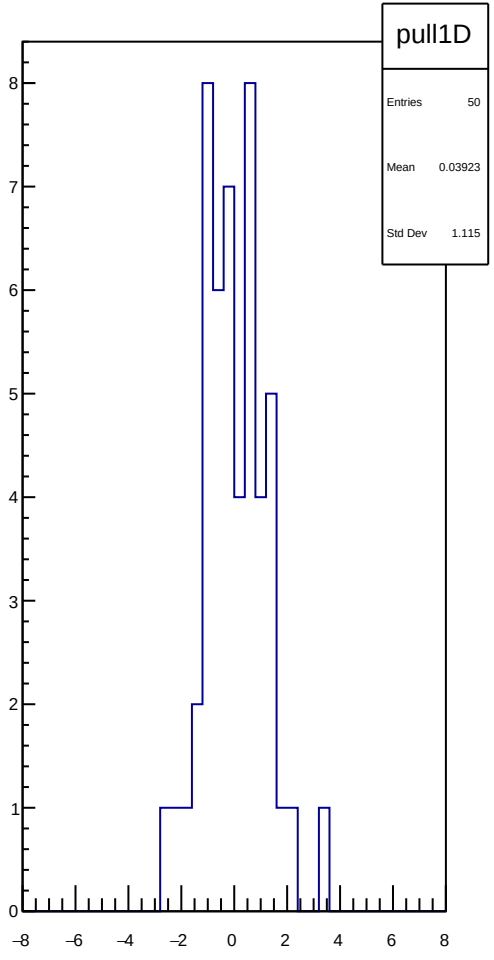

asym_sam_15_48_dd_rms vs run
χ² / ndf 2173 / 49
p0 492.6 ± 0.5055
560
540
520
500
480
460
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

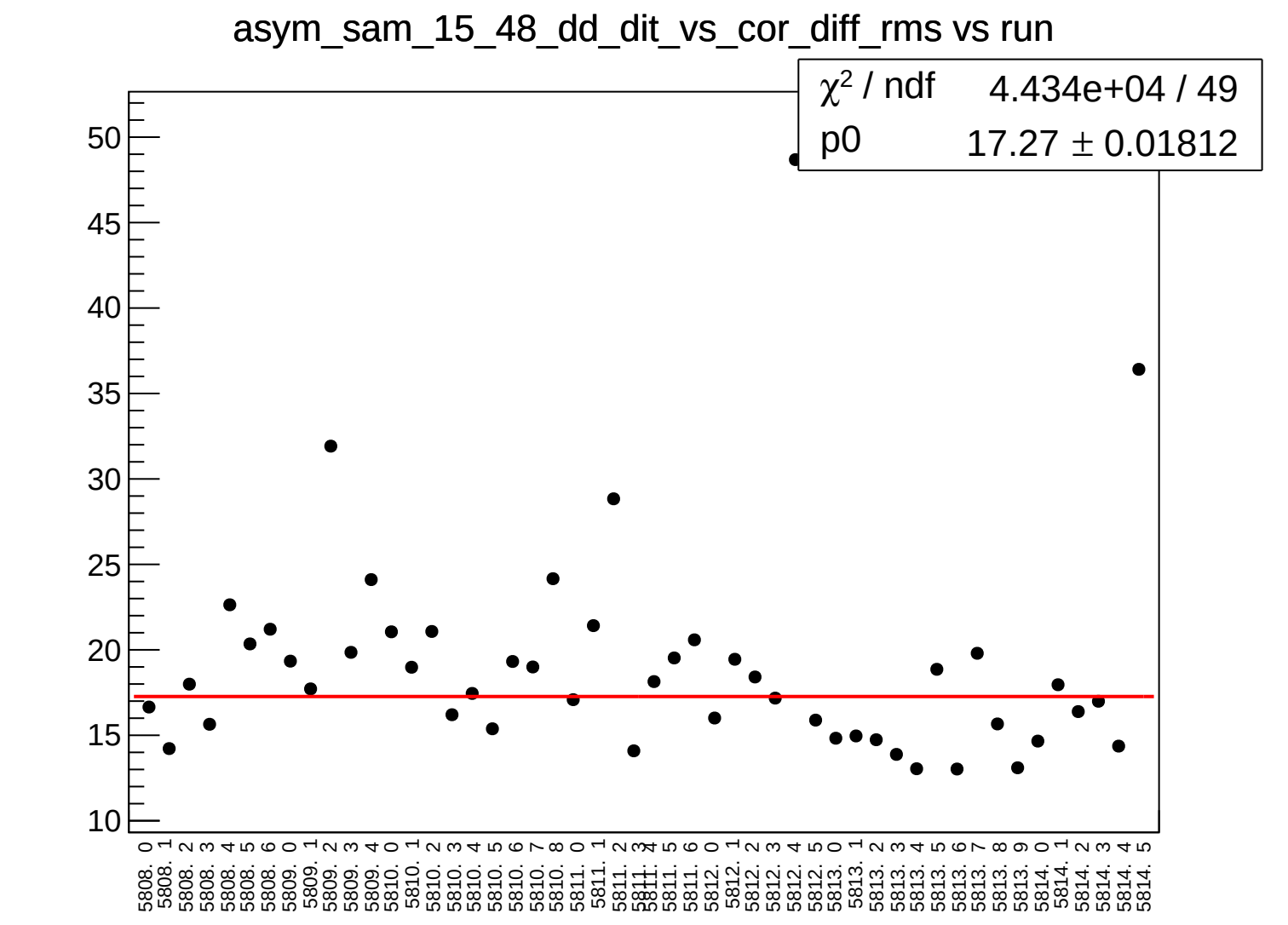

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 60.08 / 49
p0 1.727e−14 ± 5.205e−14
pull
Entries 50
Mean 42.15
Std Dev 0

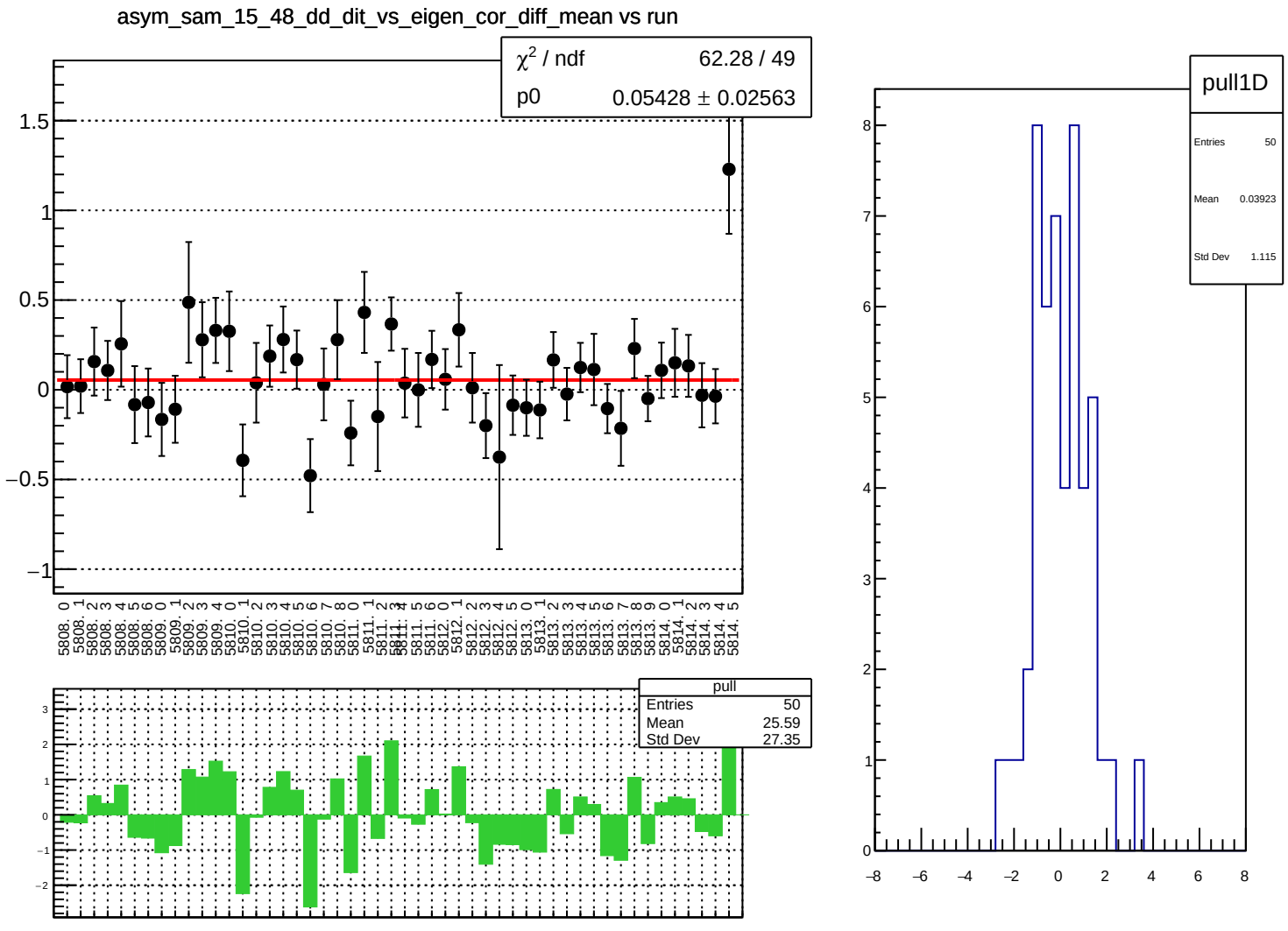

pull1D
Entries 50
Mean 0.2177
Std Dev 1.074

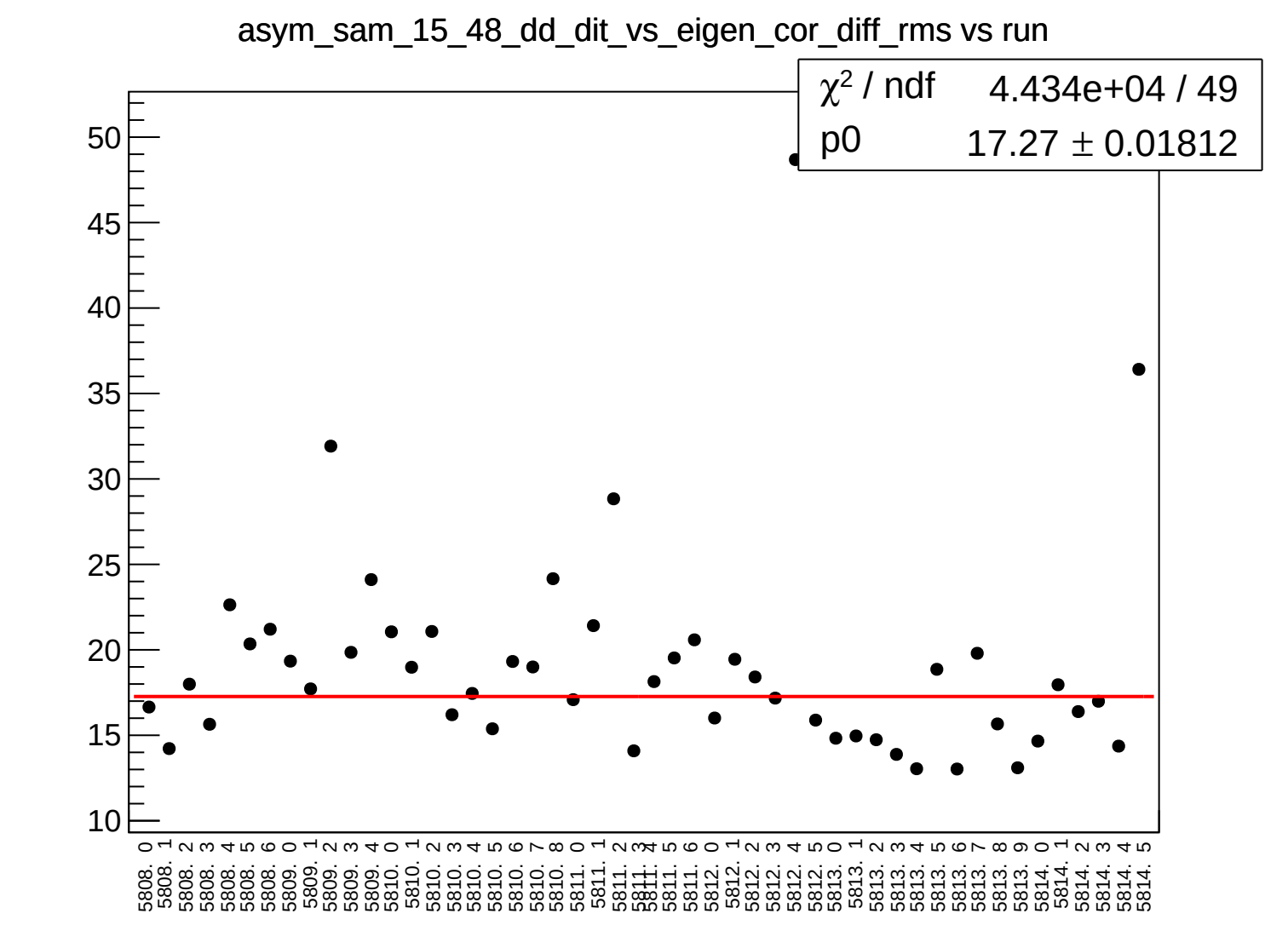

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.181e+05 / 49
p0 2.425e−11 ± 3.681e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

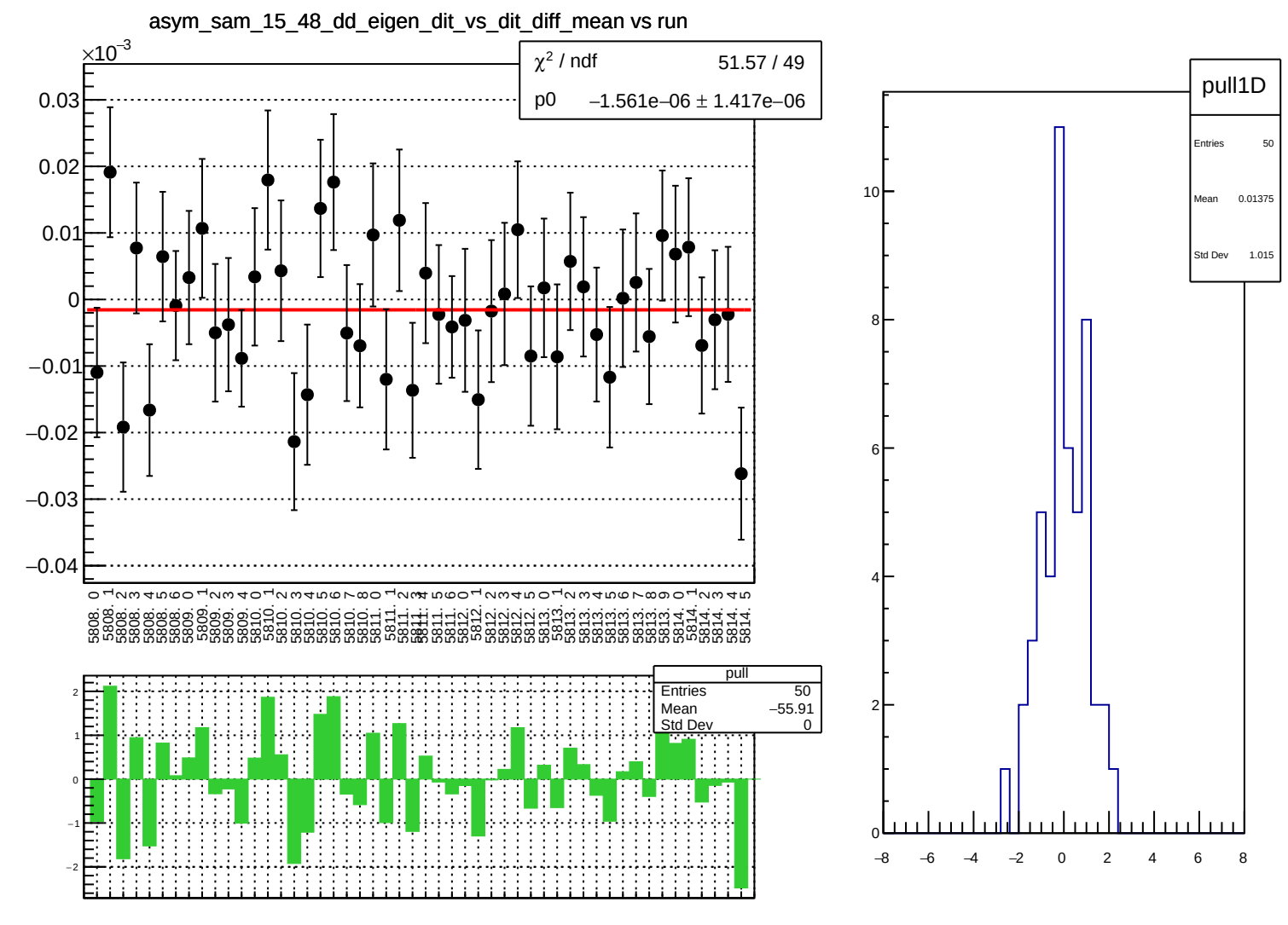

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 62.28 / 49
p0 0.05428 ± 0.02563
pull
Entries 50
Mean 25.59
Std Dev 27.35

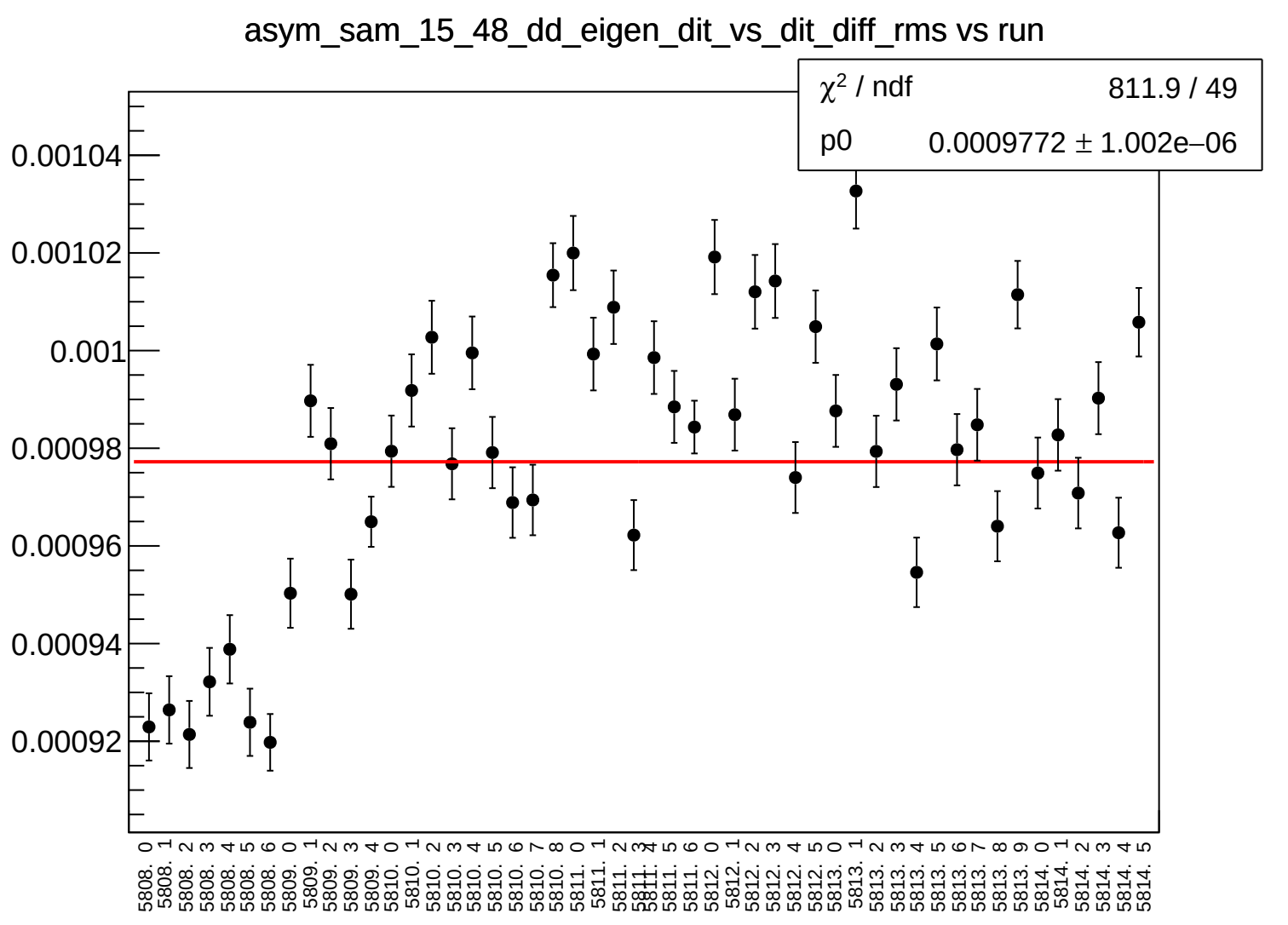

pull1D
Entries 50
Mean 0.03923
Std Dev 1.115

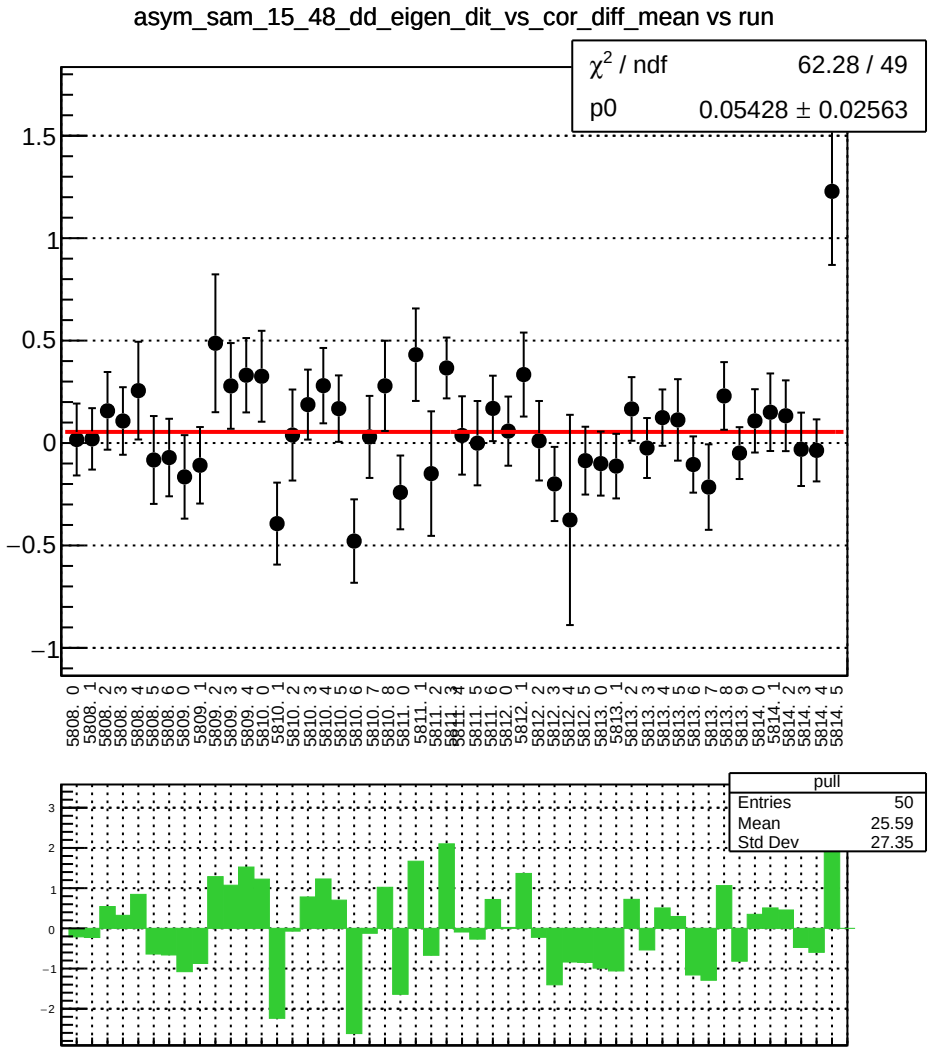

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.434e+04 / 49
p0 17.27 ± 0.01812
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

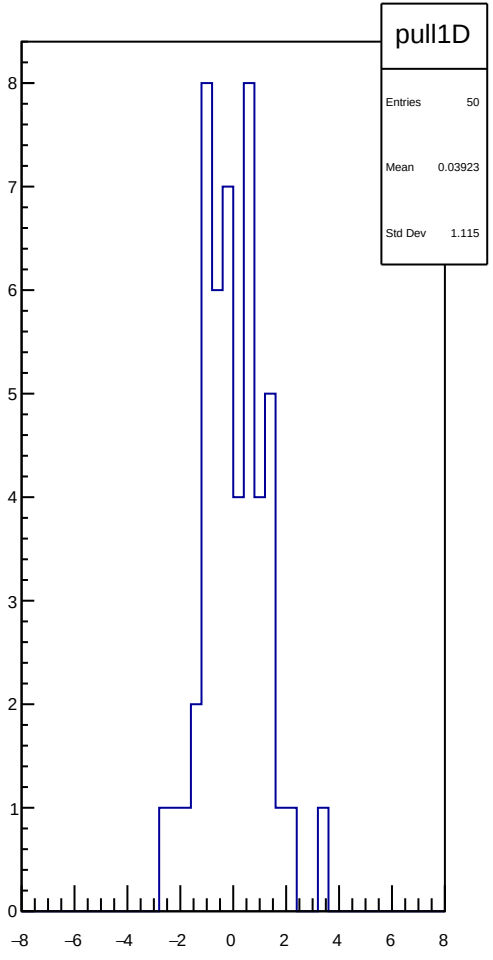

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.28 / 49
p0 0.05428 ± 0.02563
pull
Entries 50
Mean 25.59
Std Dev 27.35
pull1D
Entries 50
Mean 0.03923
Std Dev 1.115

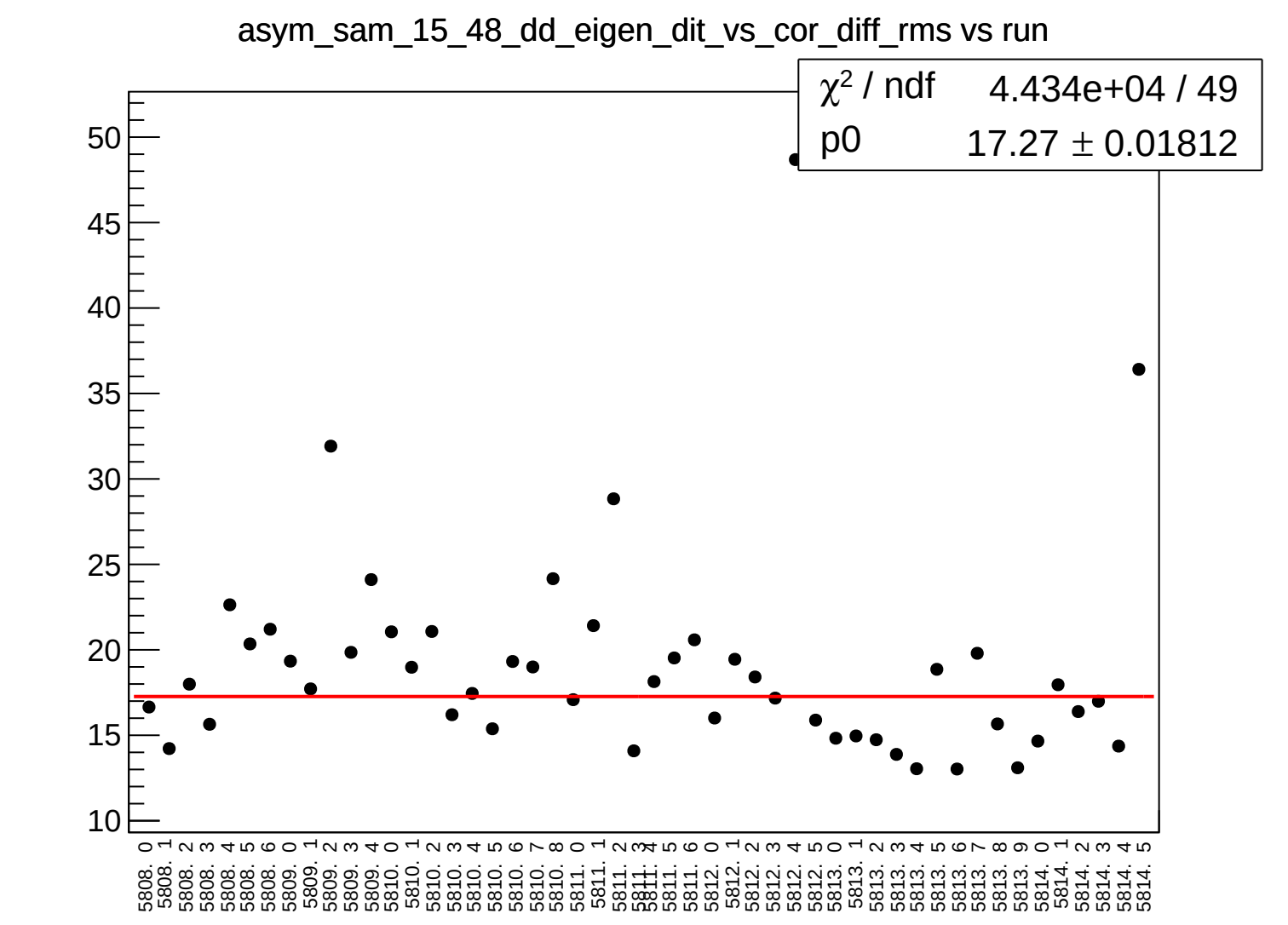

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.434e+04 / 49
p0 17.27 ± 0.01812
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

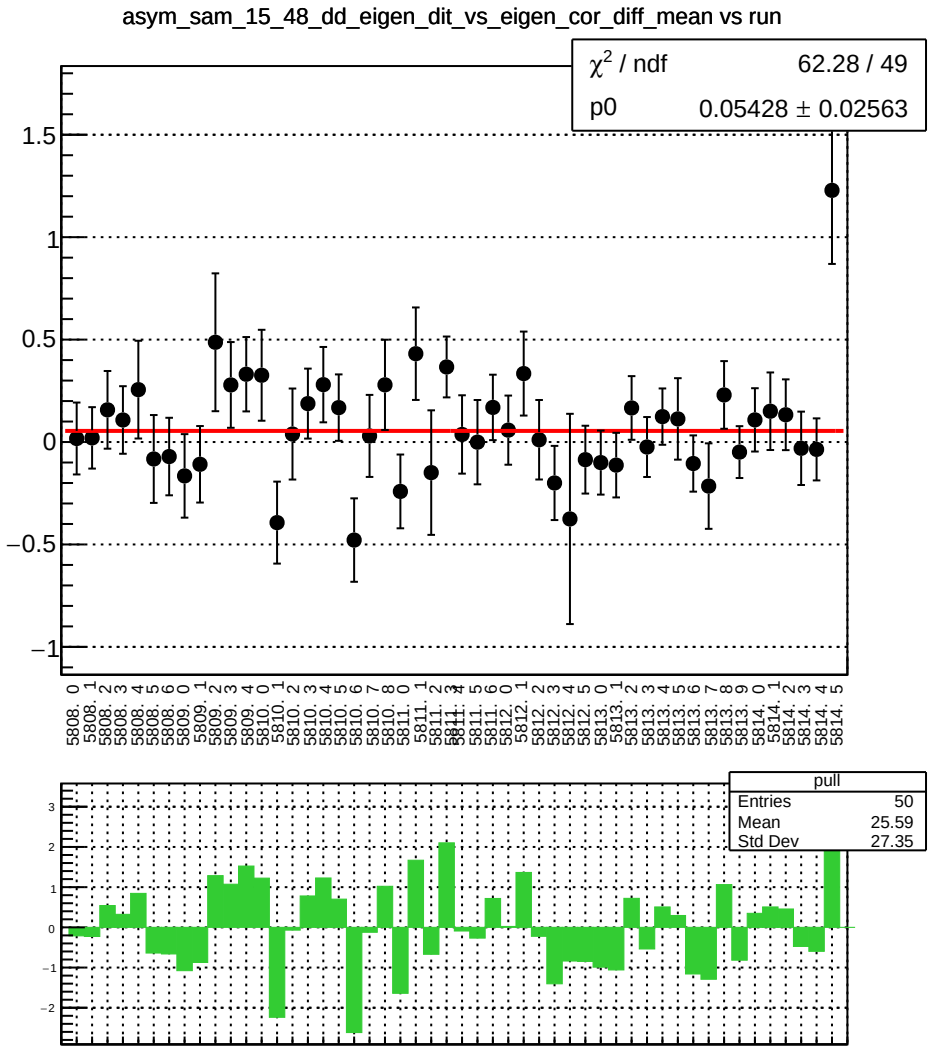

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.57 / 49
p0 −1.561e−06 ± 1.417e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −55.91
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.01375
Std Dev 1.015
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

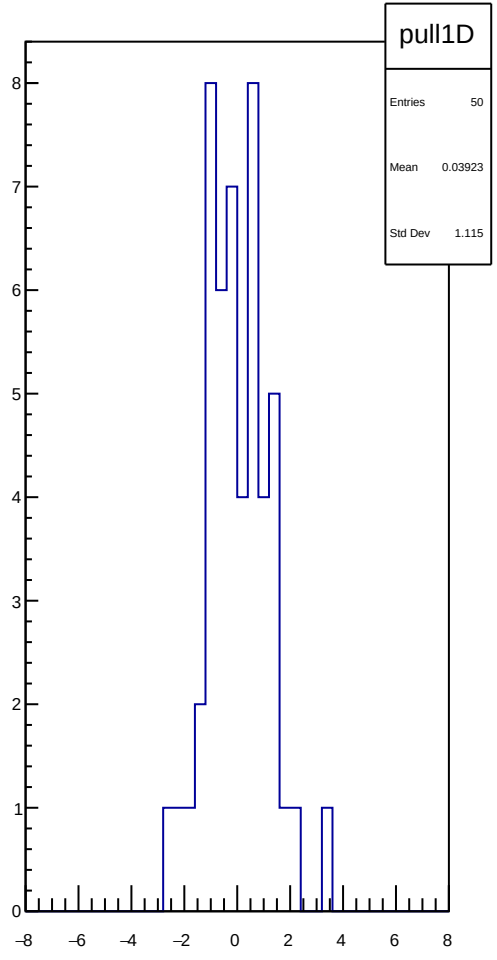

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 811.9 / 49
p0 0.0009772 ± 1.002e−06
0.00104
0.00102
0.001
0.00098
0.00096
0.00094
0.00092
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

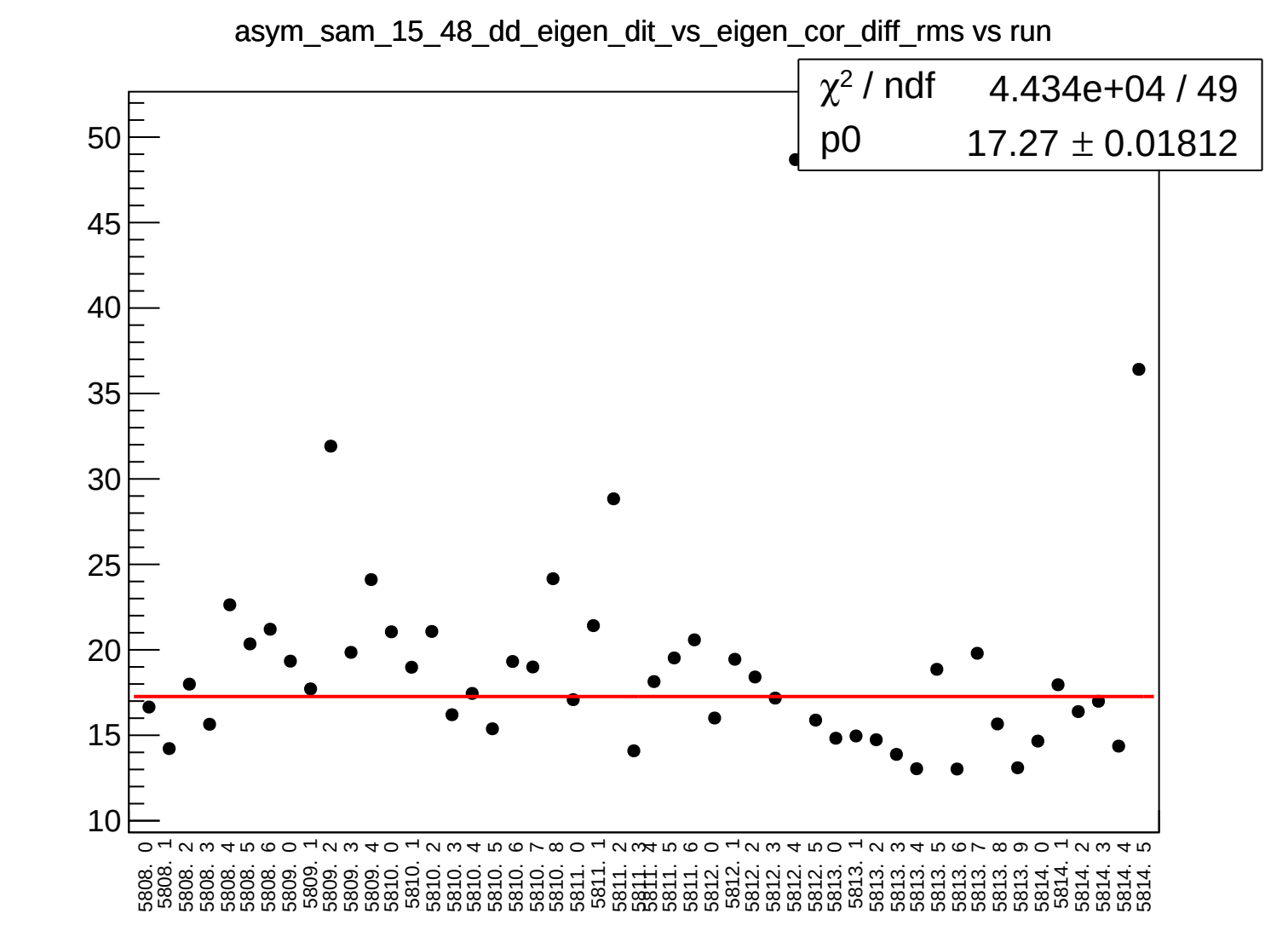

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 62.28 / 49
p0 0.05428 ± 0.02563
pull
Entries 50
Mean 25.59
Std Dev 27.35

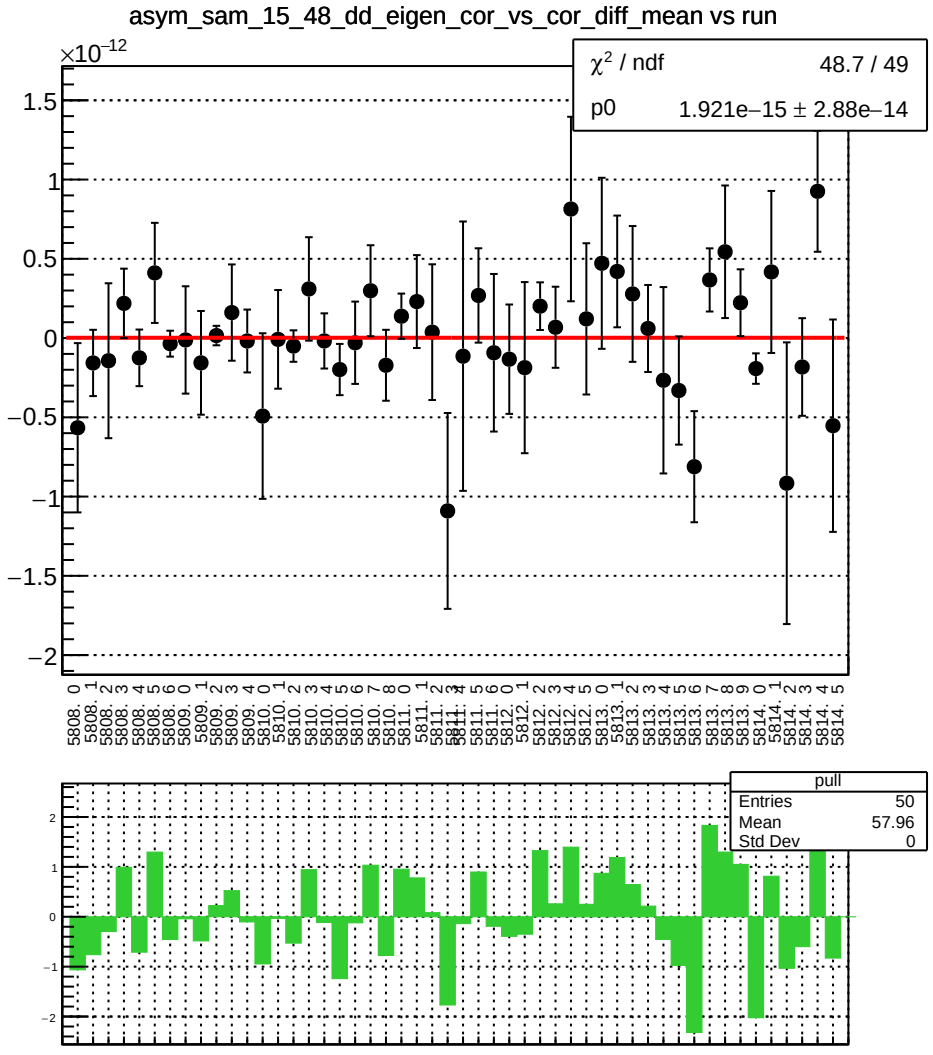

pull1D
Entries 50
Mean 0.03923
Std Dev 1.115

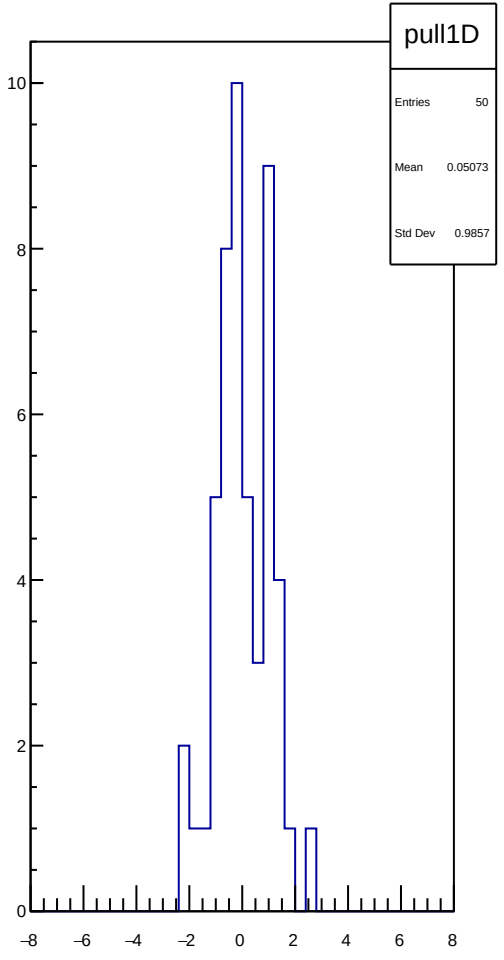

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.434e+04 / 49
p0 17.27 ± 0.01812
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

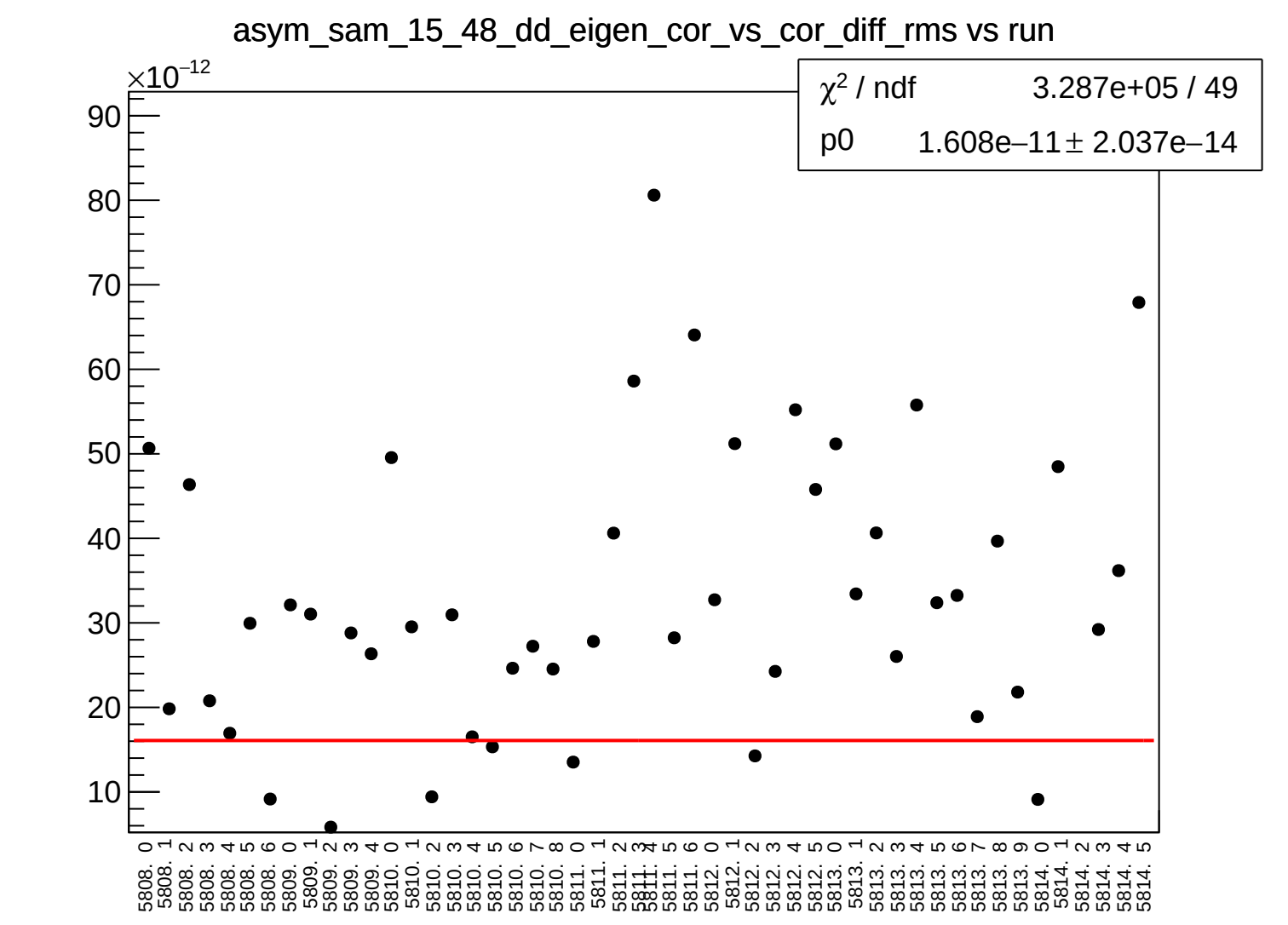

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 62.28 / 49
p0 0.05428 ± 0.02563
pull
Entries 50
Mean 25.59
Std Dev 27.35


pull1D
Entries 50
Mean 0.03923
Std Dev 1.115


asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.434e+04 / 49
p0 17.27 ± 0.01812
50
45
40
35
30
25
20
15
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.7 / 49
p0 1.921e−15 ± 2.88e−14
pull
Entries 50
Mean 57.96
Std Dev 0


pull1D
Entries 50
Mean 0.05073
Std Dev 0.9857


asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
90
80
70
60
50
40
30
20
10
χ² / ndf 3.287e+05 / 49
p0 1.608e−11 ± 2.037e−14
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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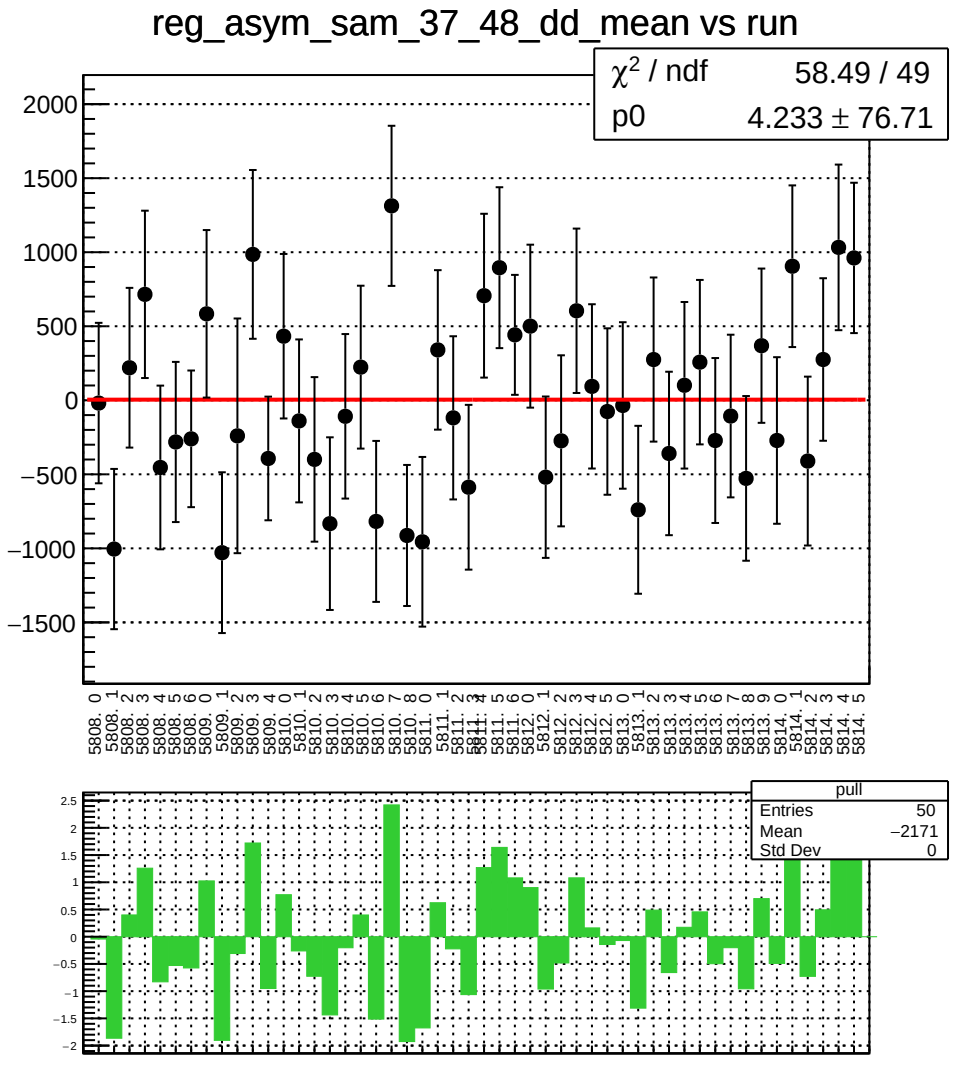
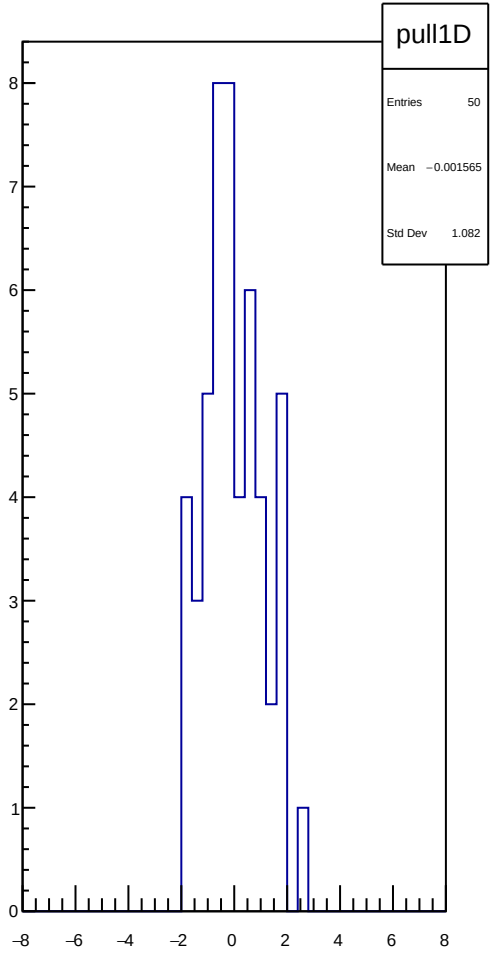
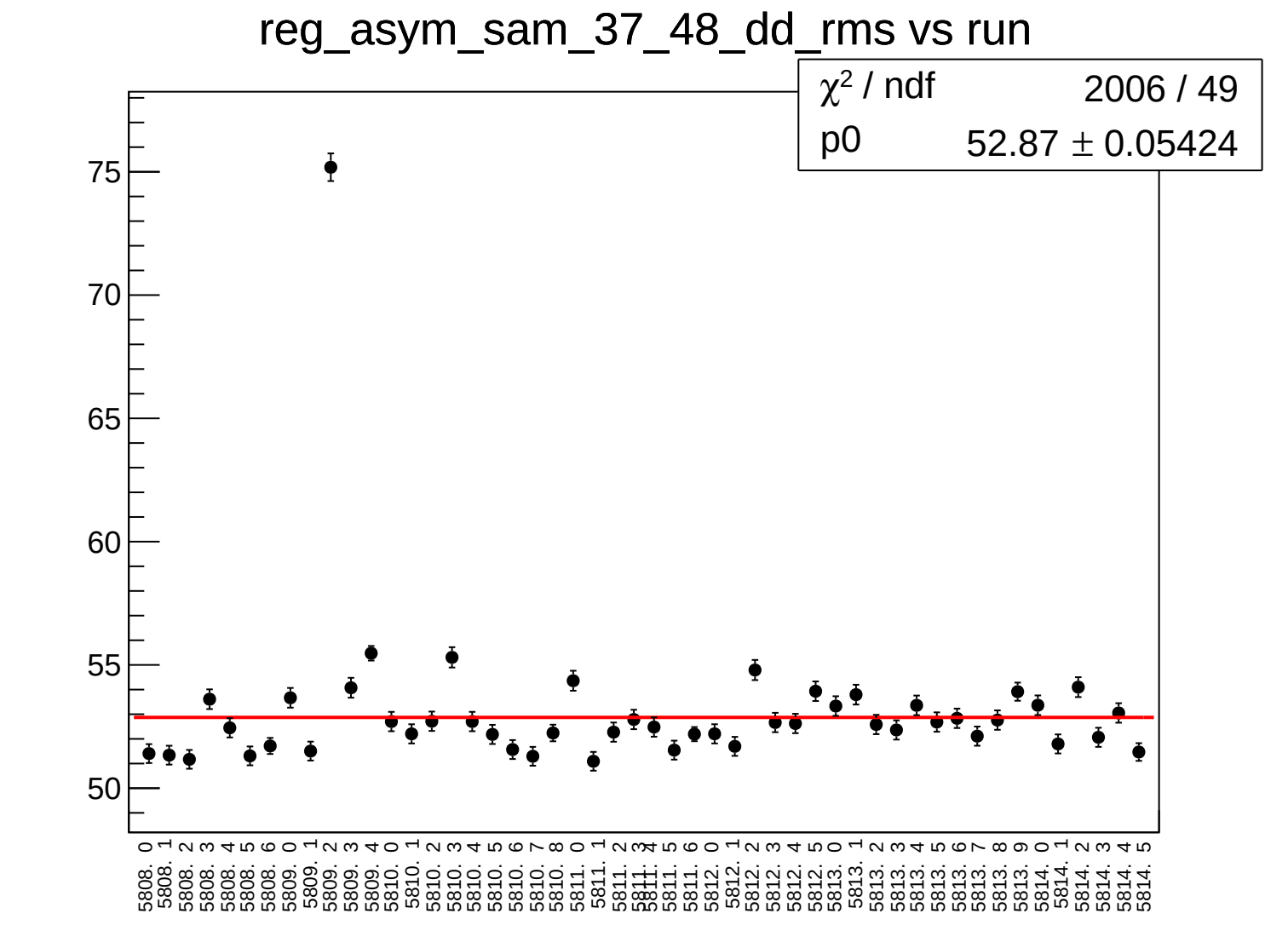
5814. 4
5814. 5


reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 58.49 / 49
p0 4.233 ± 76.71
pull
Entries 50
Mean −2171
Std Dev 0


pull1D
Entries 50
Mean −0.001565
Std Dev 1.082


reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 2006 / 49
p0 52.87 ± 0.05424
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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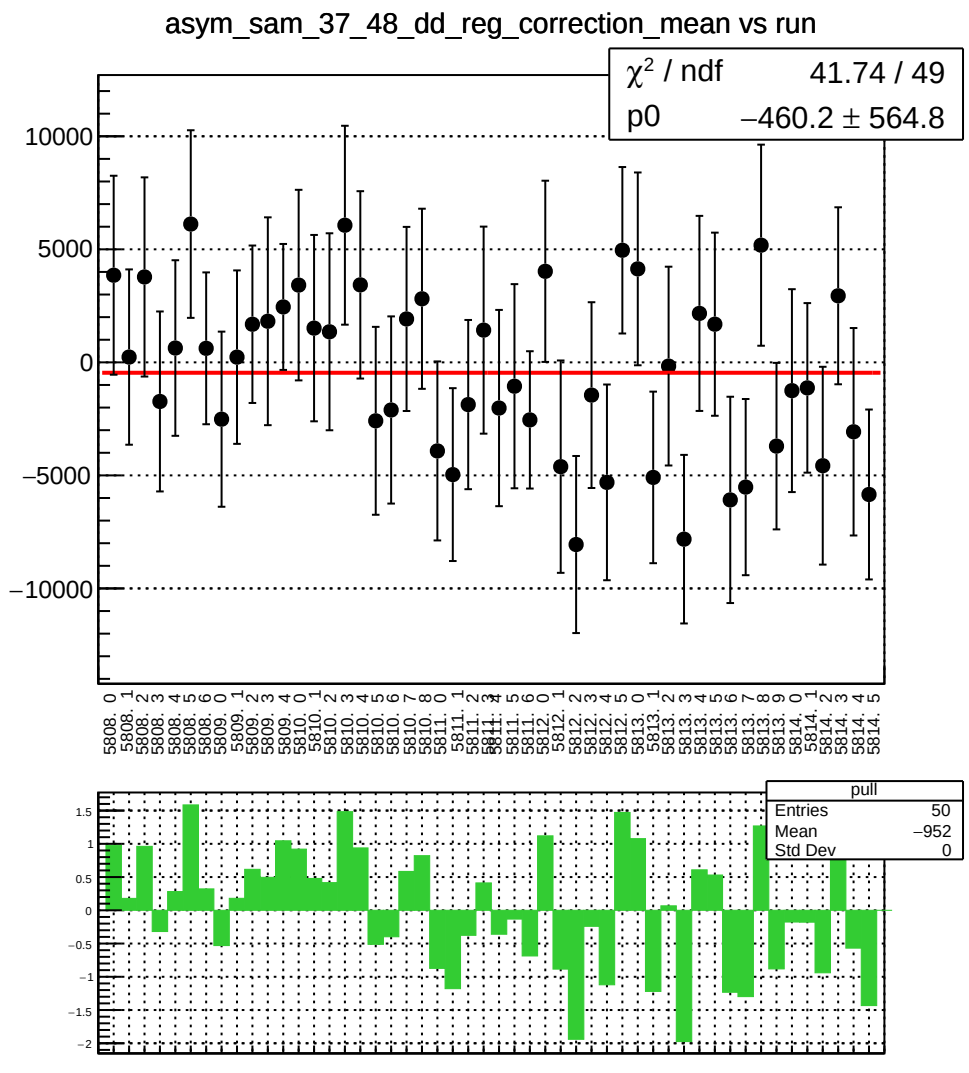
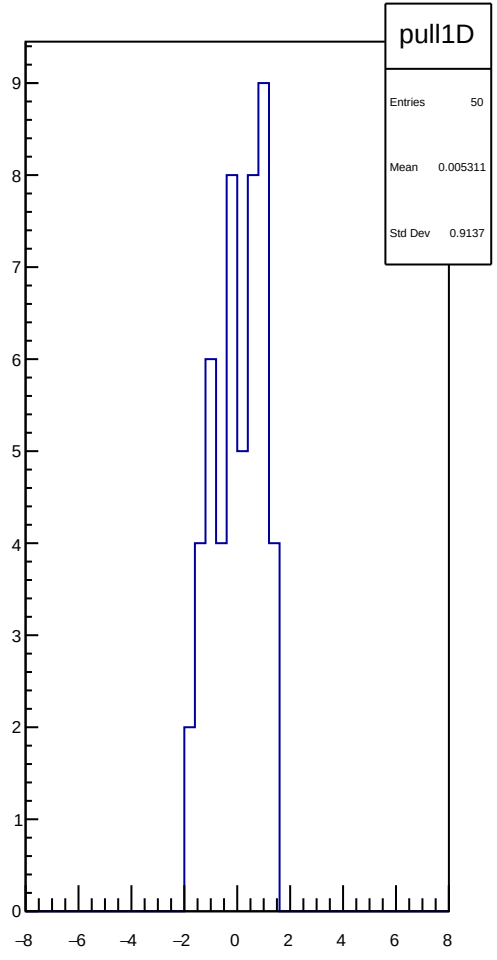
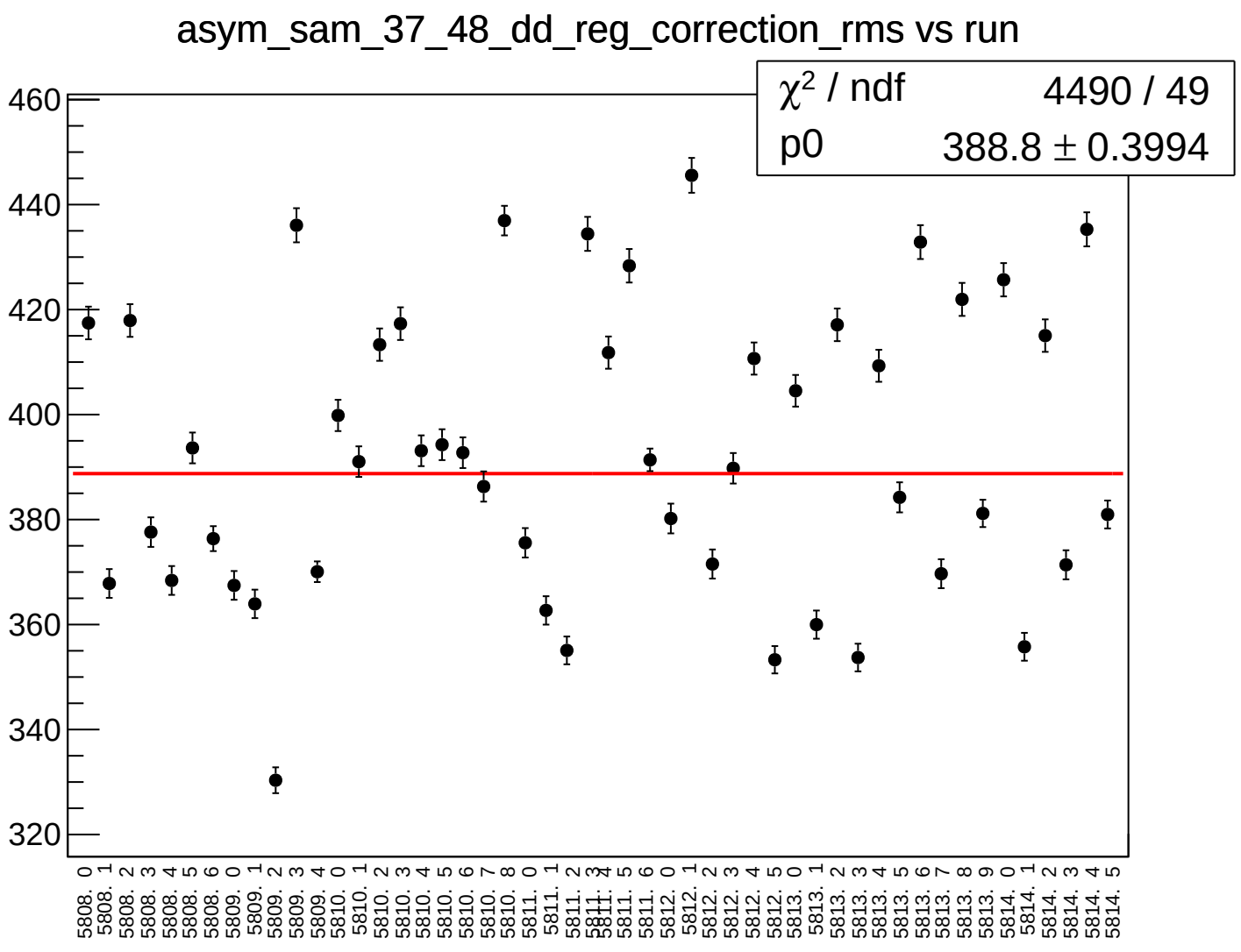
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 41.74 / 49
p0 −460.2 ± 564.8
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −952
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.005311
Std Dev 0.9137
9
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 4490 / 49
p0 388.8 ± 0.3994
460
440
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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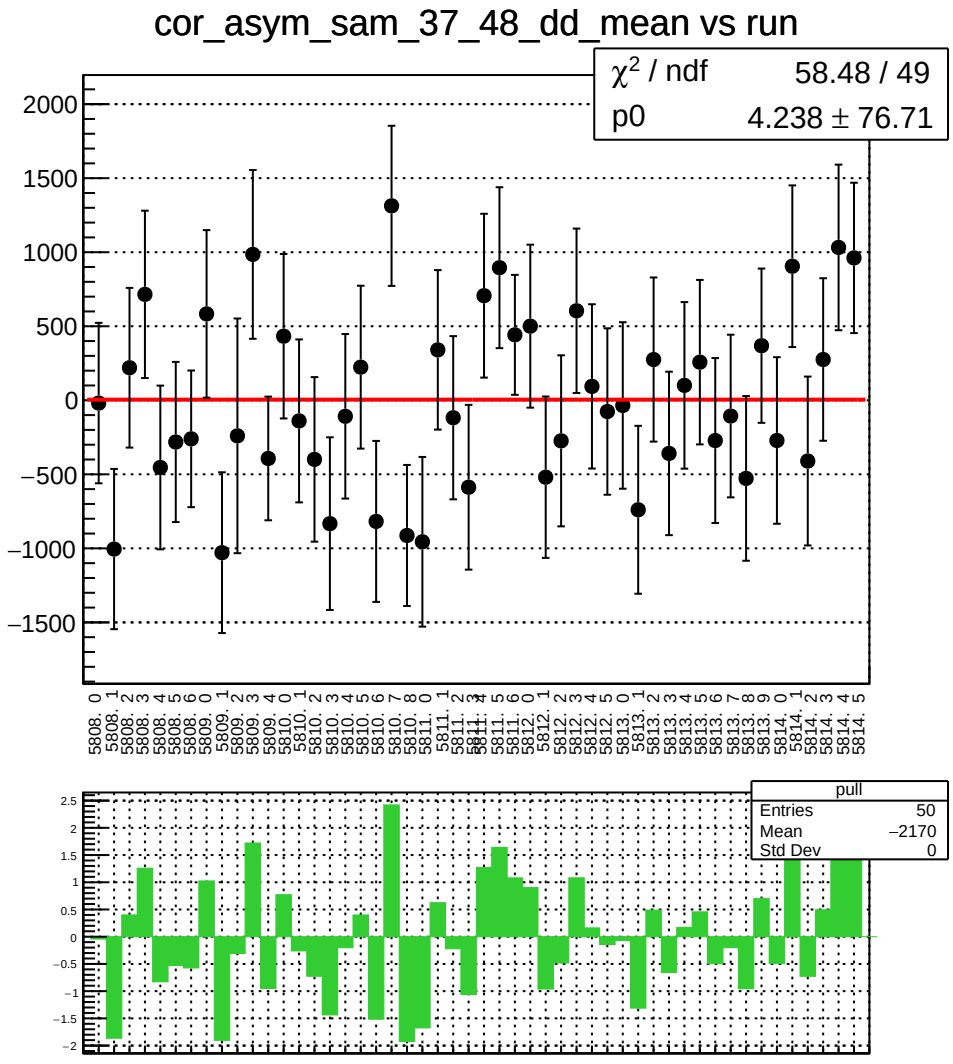
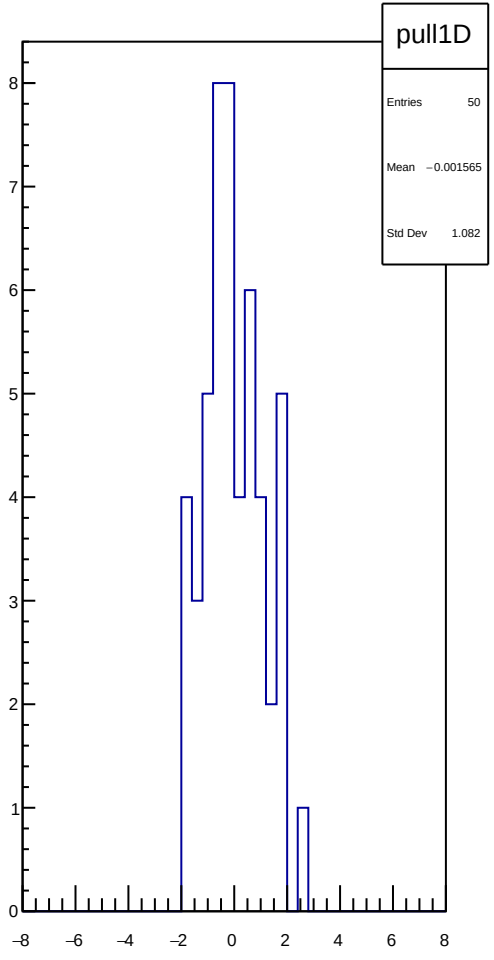
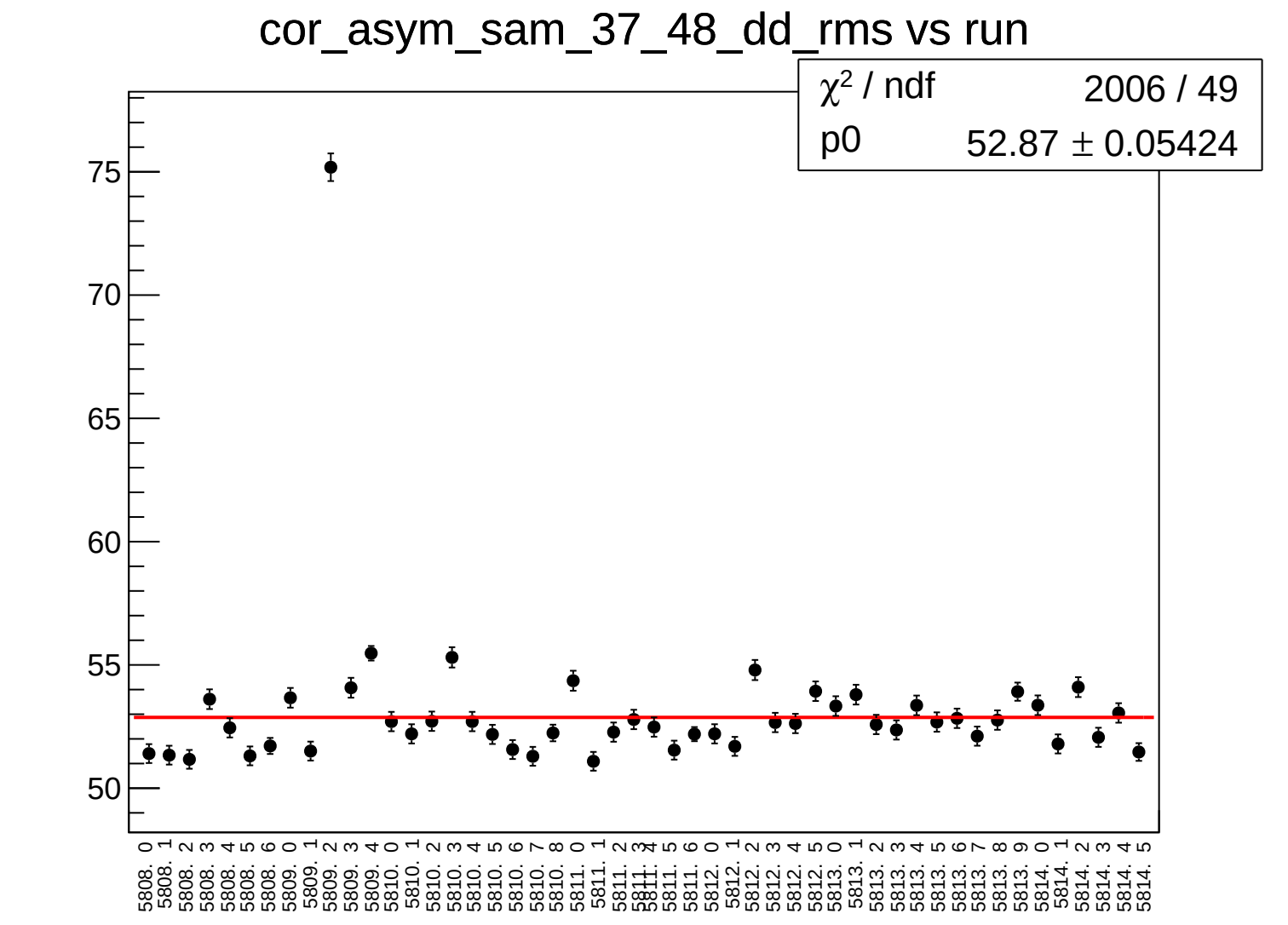
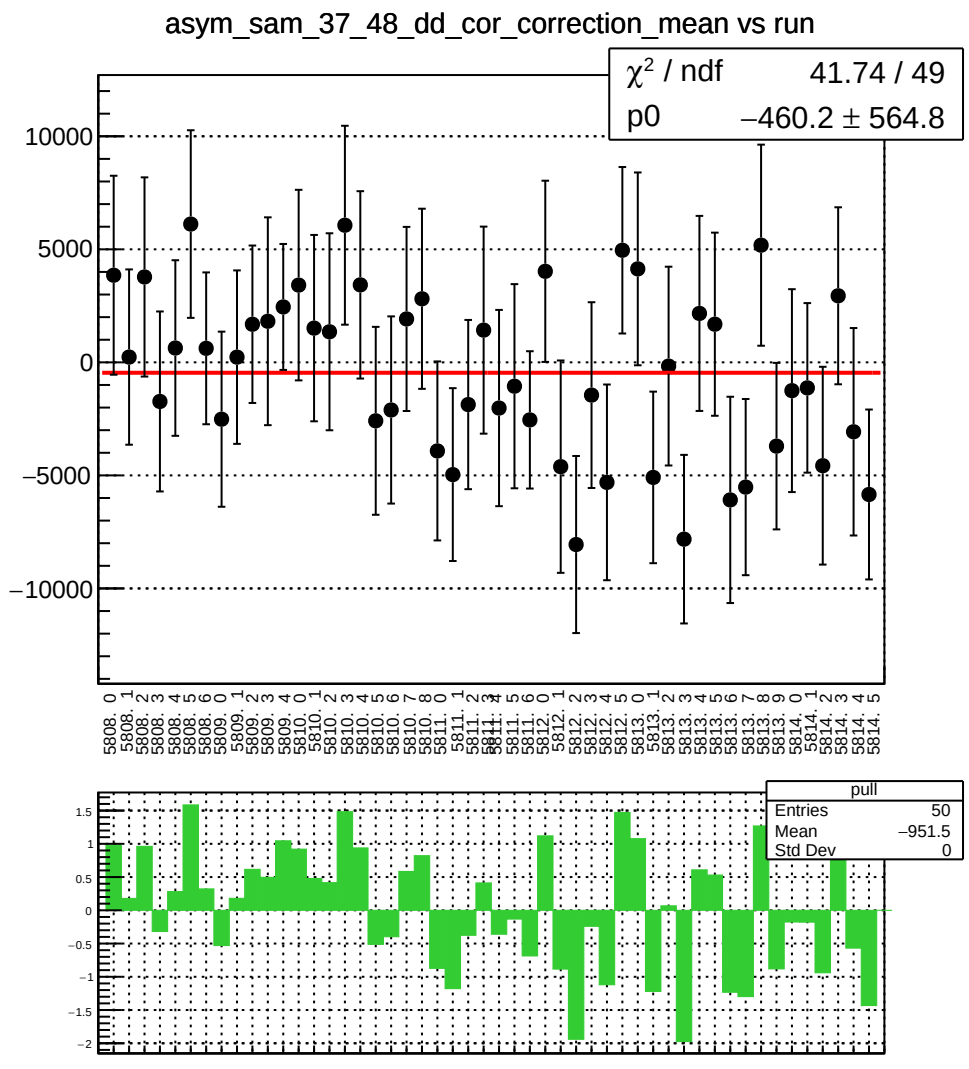
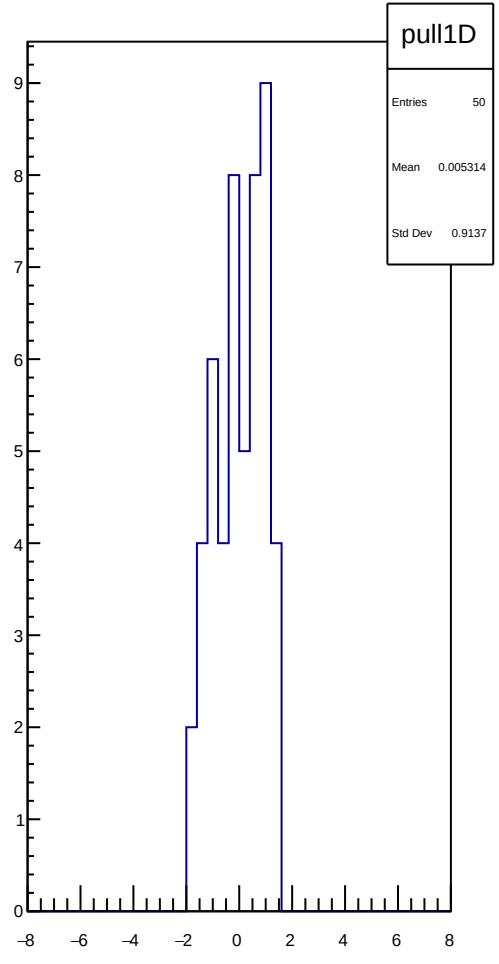
5814. 2
5814. 3
5814. 4
5814. 5

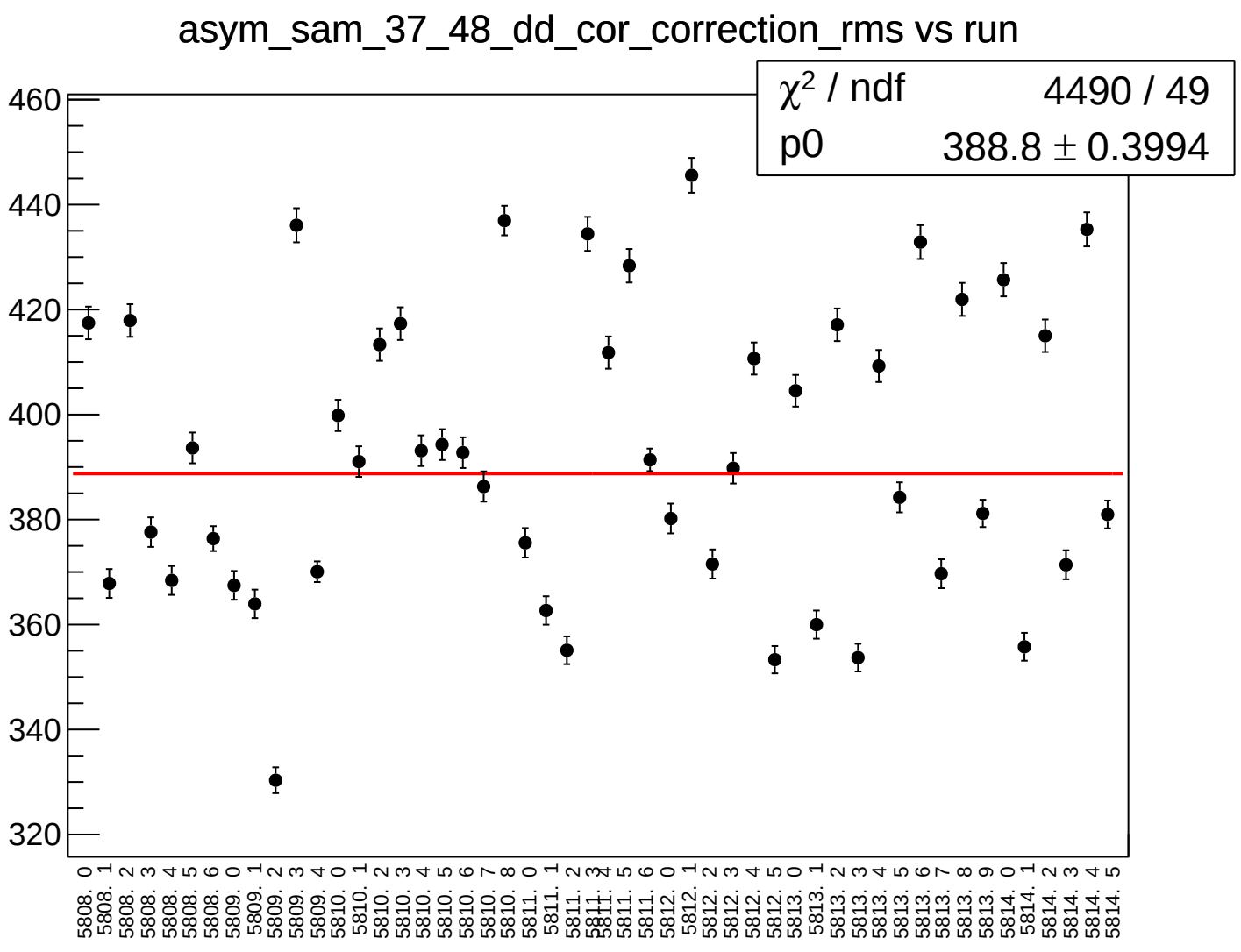

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 58.48 / 49
p0 4.238 ± 76.71
pull
Entries 50
Mean −2170
Std Dev 0

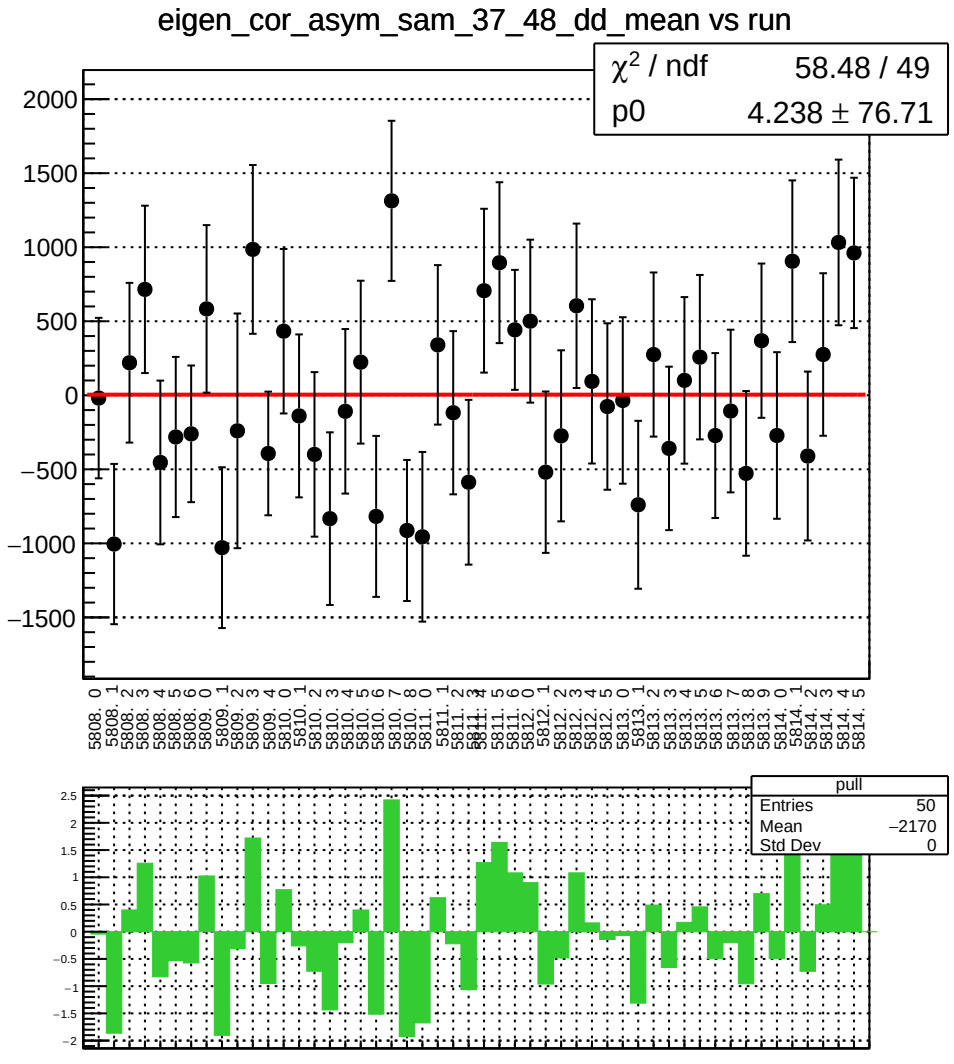

pull1D
Entries 50
Mean −0.001565
Std Dev 1.082

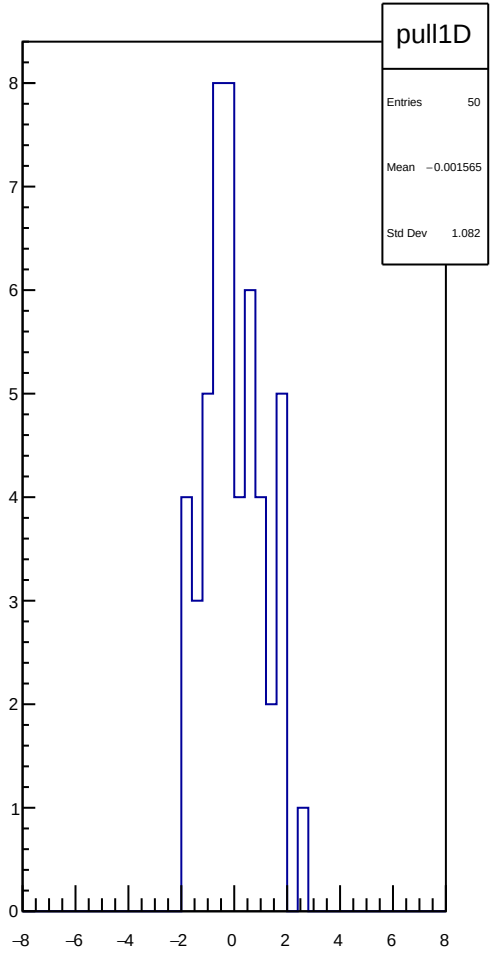

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 2006 / 49
p0 52.87 ± 0.05424
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

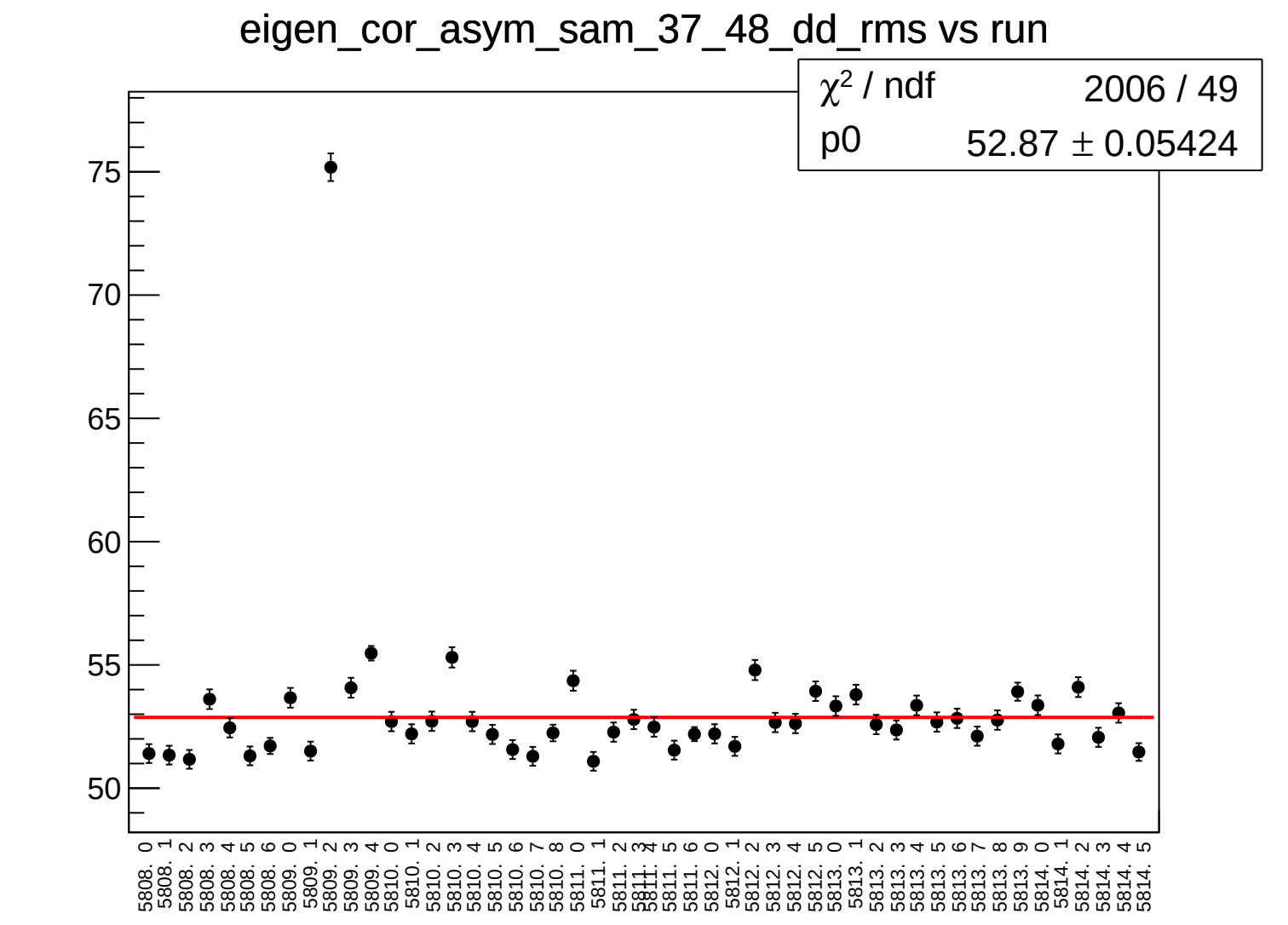

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 41.74 / 49
p0 −460.2 ± 564.8
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −951.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

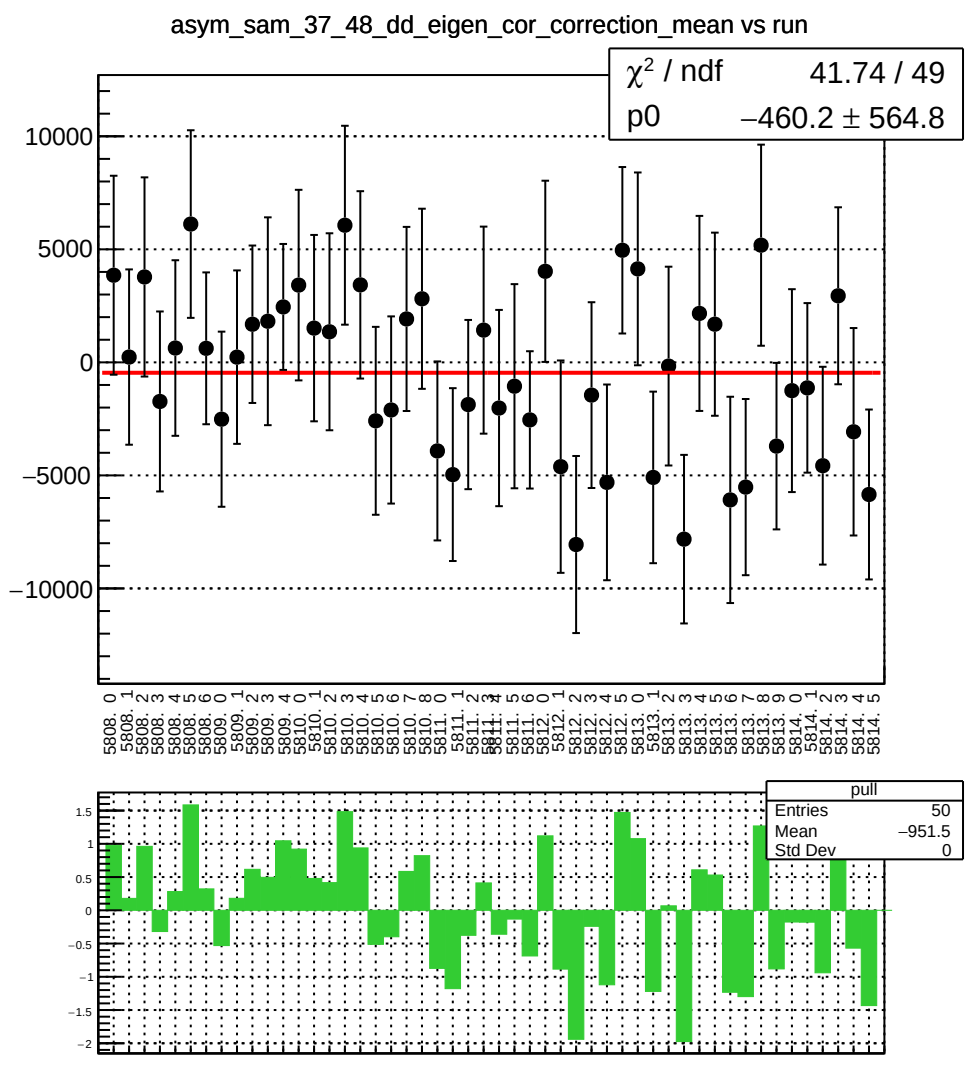

pull1D
Entries 50
Mean 0.005314
Std Dev 0.9137
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

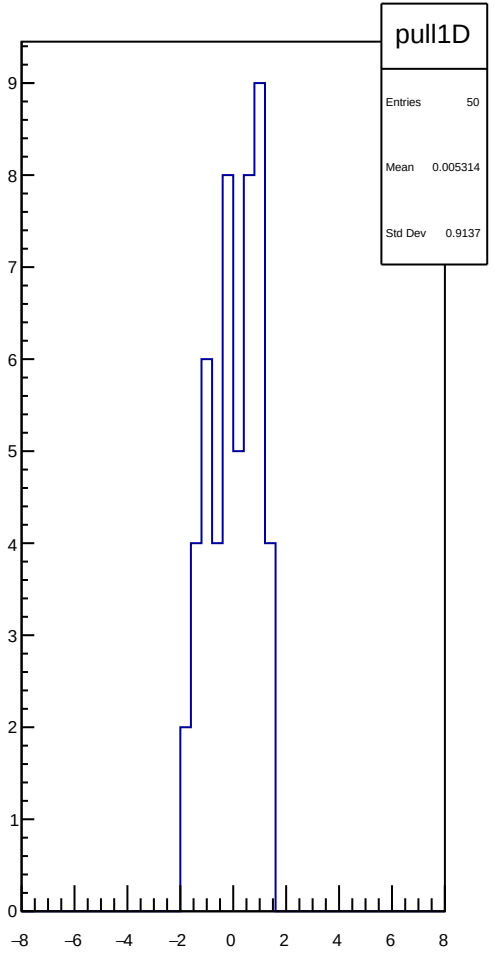

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 4490 / 49
p0 388.8 ± 0.3994
460
440
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

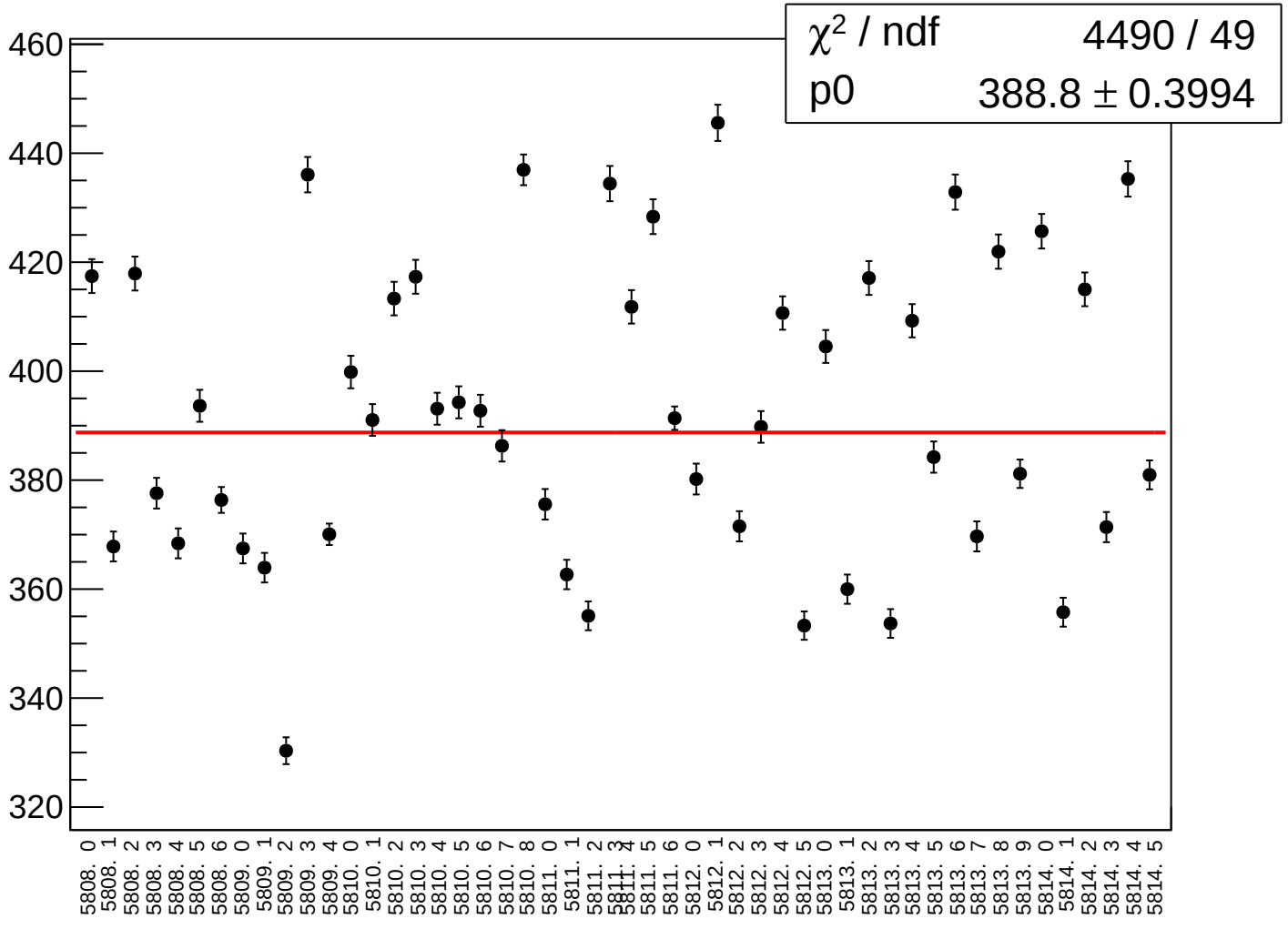

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 58.48 / 49
p0 4.238 ± 76.71
pull
Entries 50
Mean −2170
Std Dev 0


pull1D
Entries 50
Mean −0.001565
Std Dev 1.082


eigen_cor_asym_sam_37_48_dd_rms vs run
χ^2 / ndf 2006 / 49
p0 52.87 ± 0.05424
75
70
65
60
55
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.74 / 49
p0 −460.2 ± 564.8
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −951.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.005314
Std Dev 0.9137
9
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 4490 / 49
p0 388.8 ± 0.3994
460
440
420
400
380
360
340
320
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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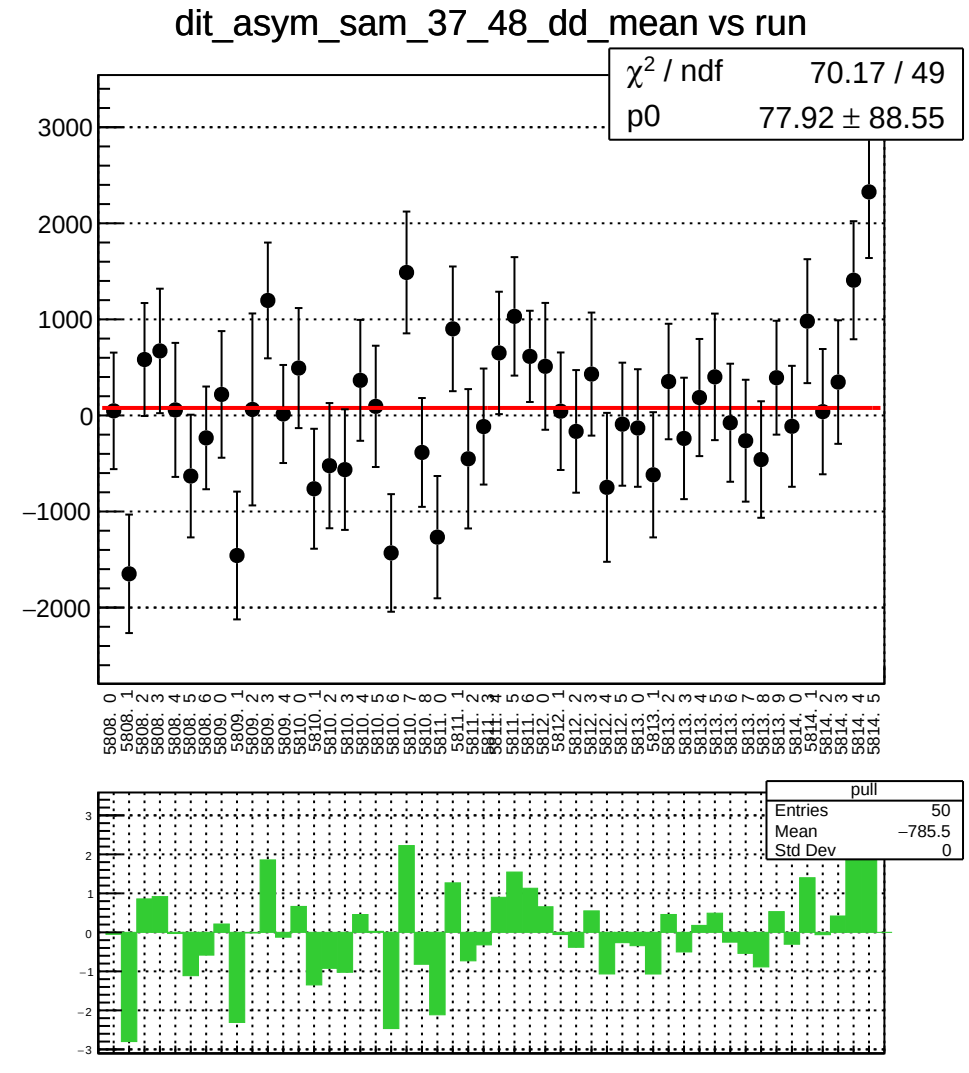
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.17 / 49
p0 77.92 ± 88.55
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
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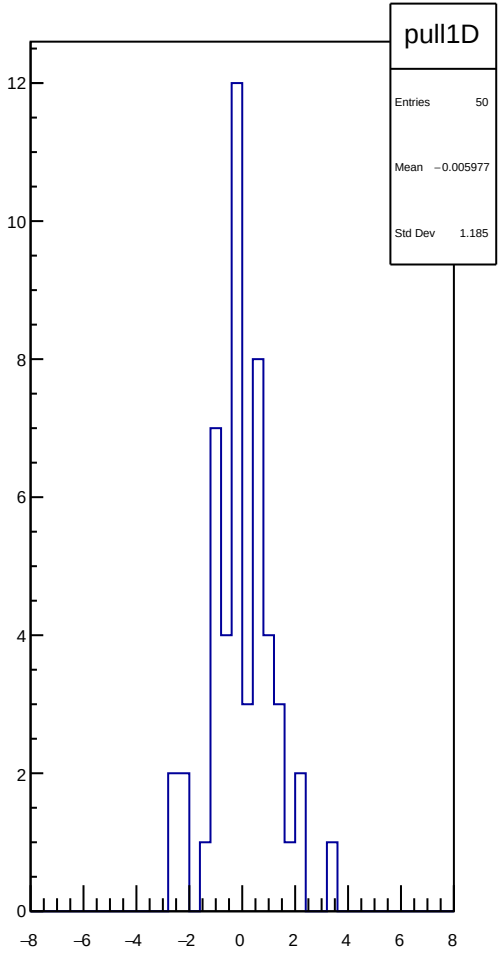
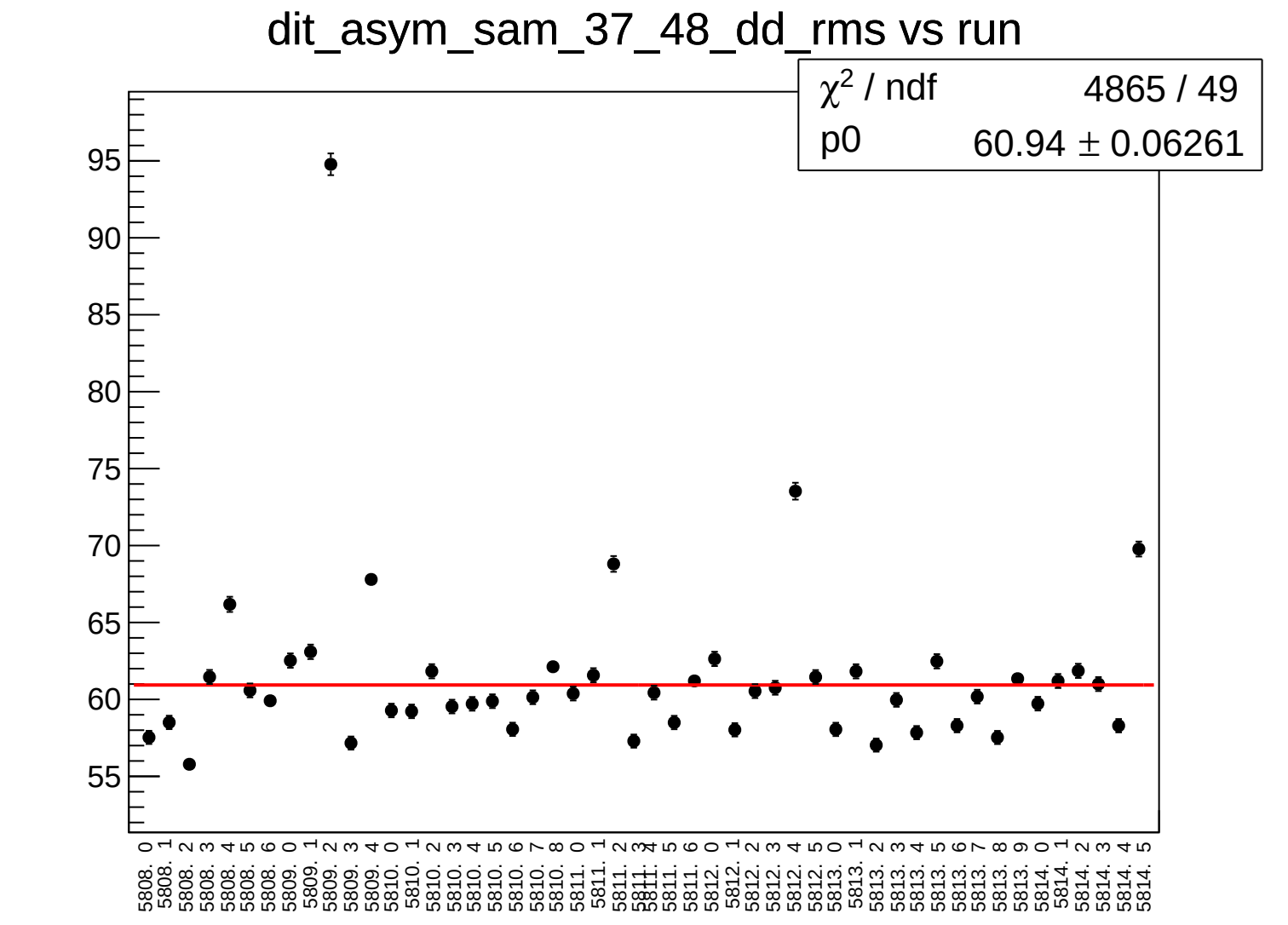
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −785.5
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean −0.005977
Std Dev 1.185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4865 / 49
p0 60.94 ± 0.06261
95
90
85
80
75
70
65
60
55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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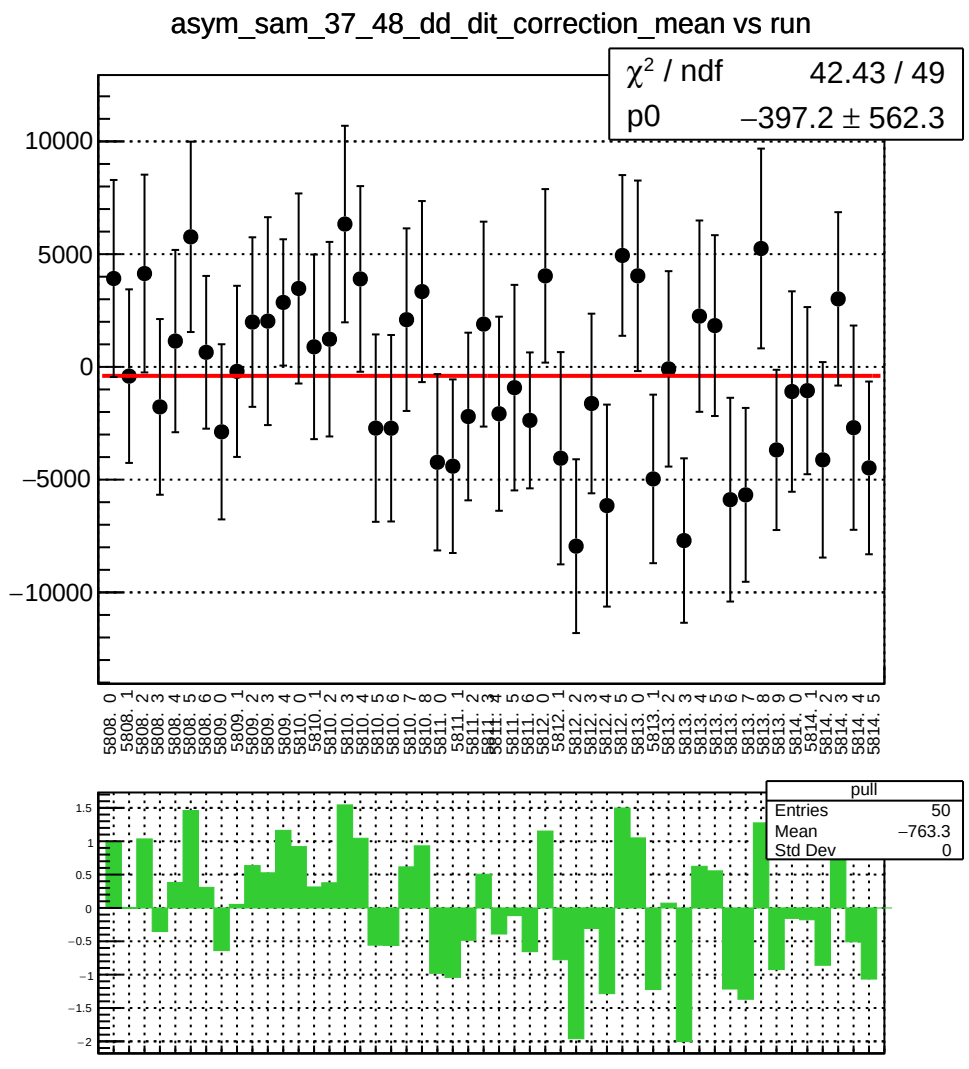
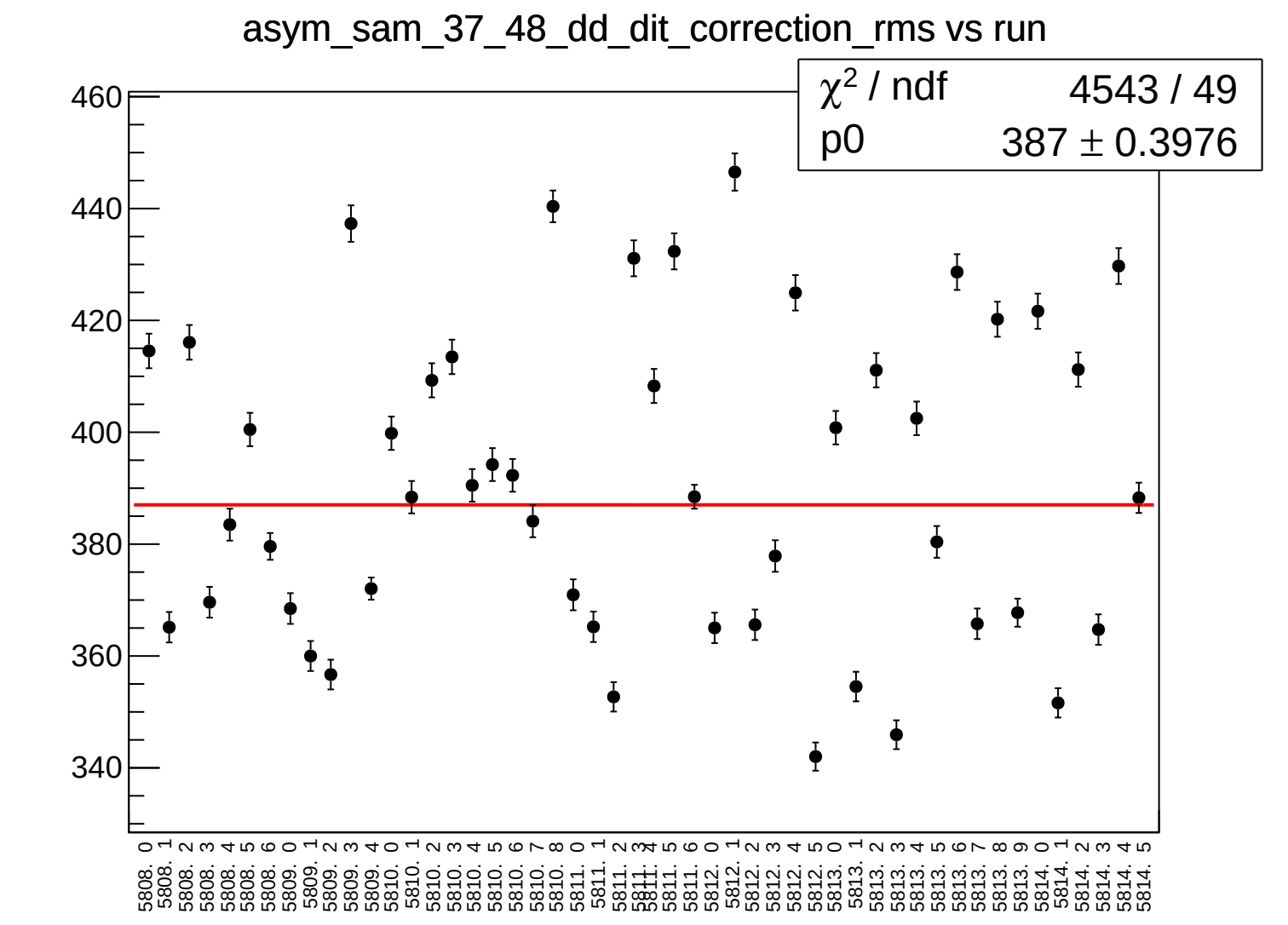
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 42.43 / 49
p0 −397.2 ± 562.3
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −763.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.006131
Std Dev 0.9212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 4543 / 49
p0 387 ± 0.3976
460
440
420
400
380
360
340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
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5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
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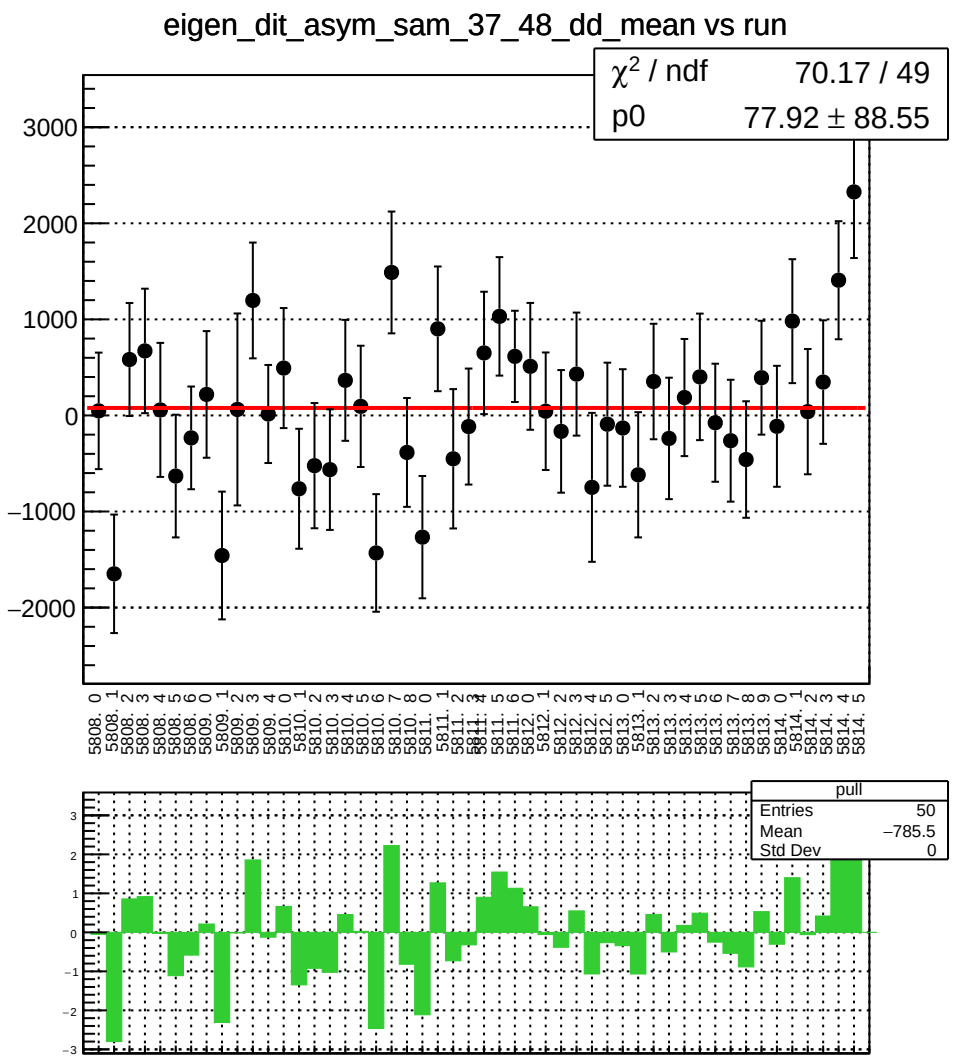
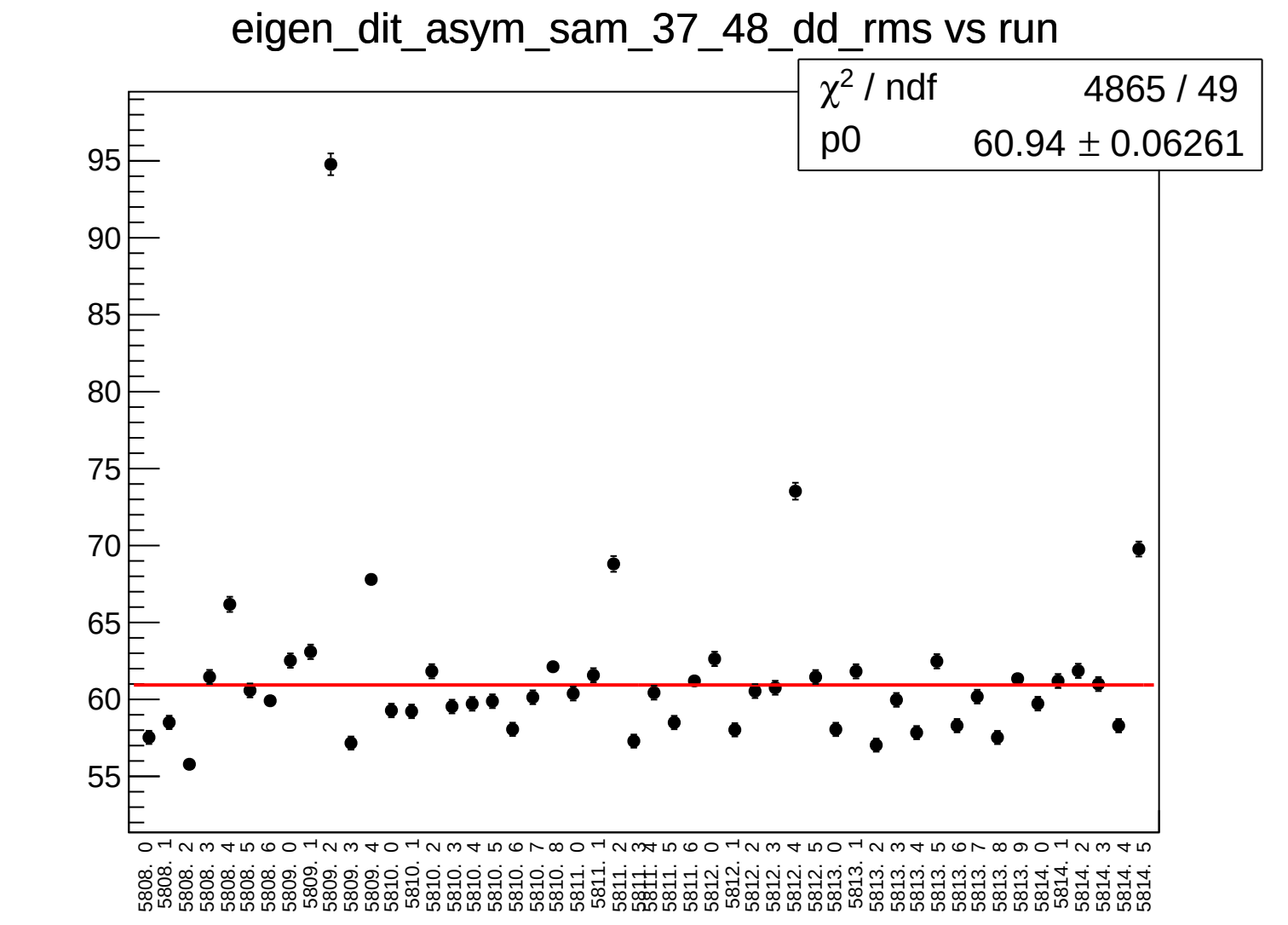
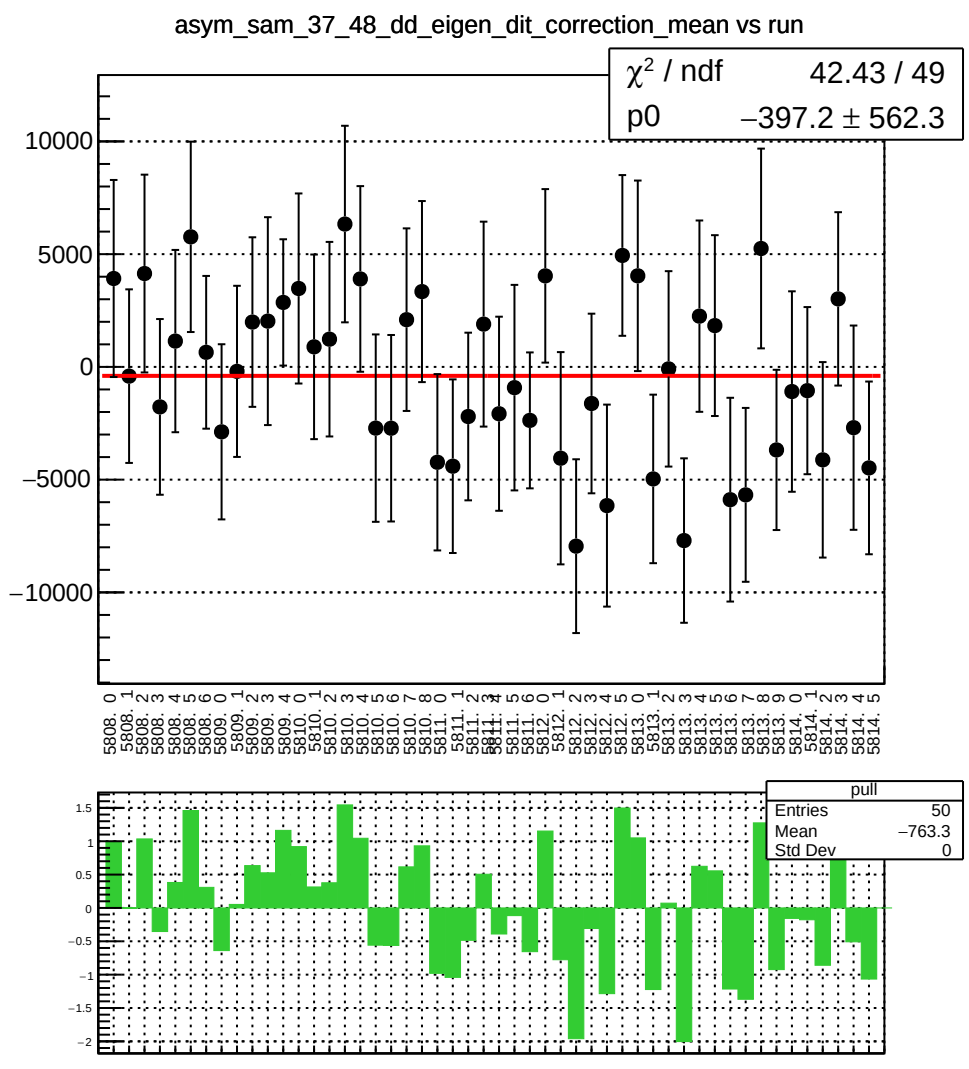
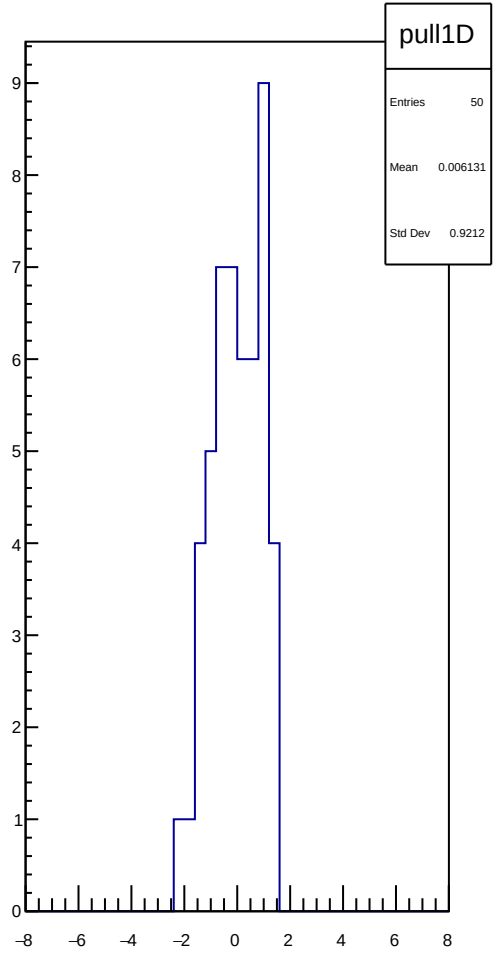
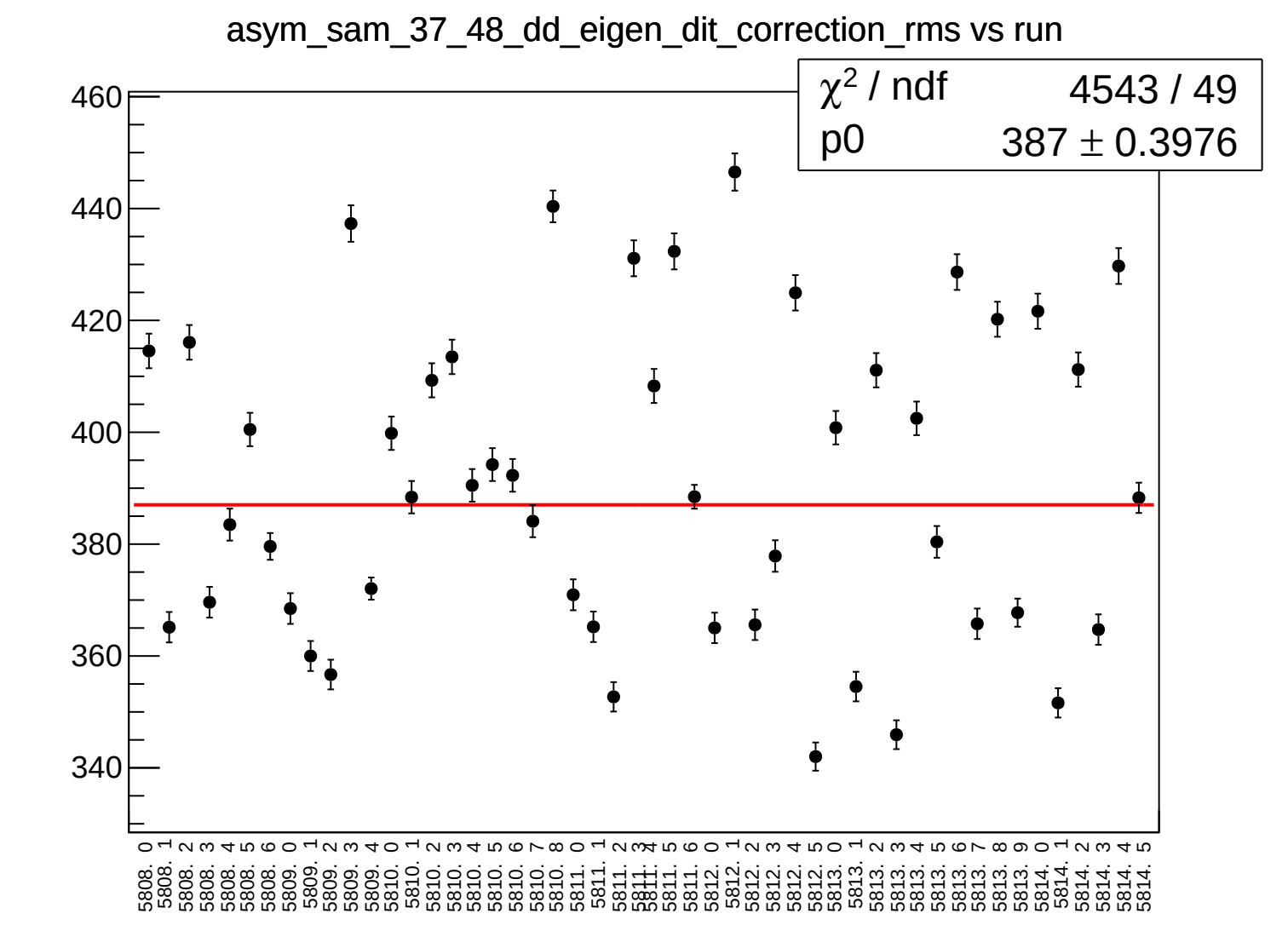
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

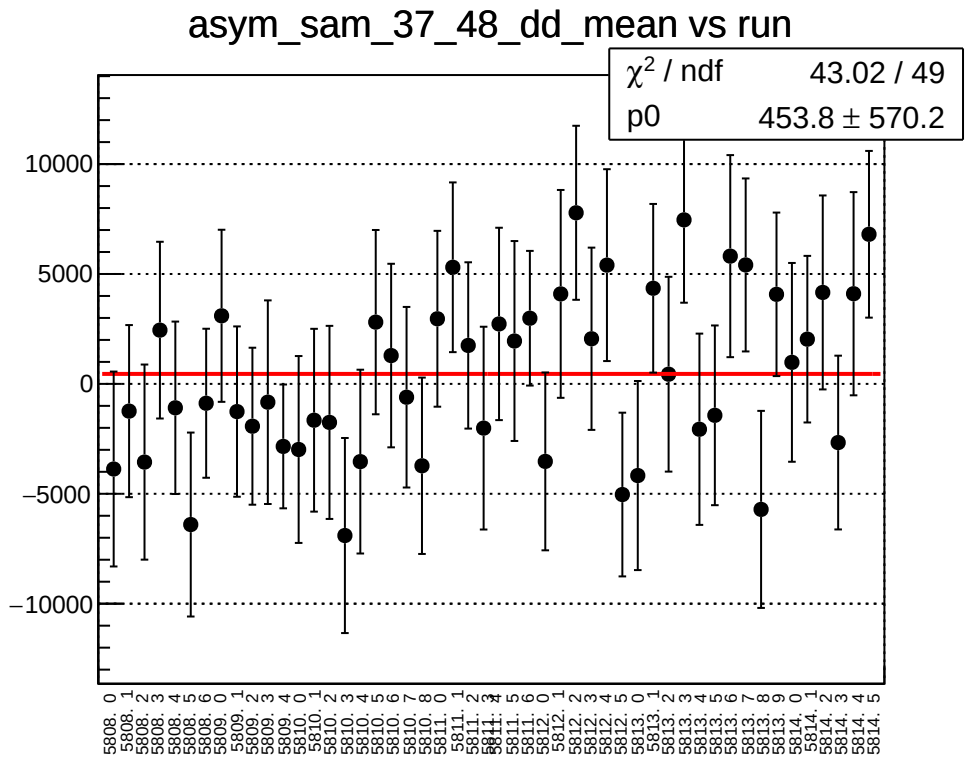

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 70.17 / 49
p0 77.92 ± 88.55
3000
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −785.5
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean −0.005977
Std Dev 1.185
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

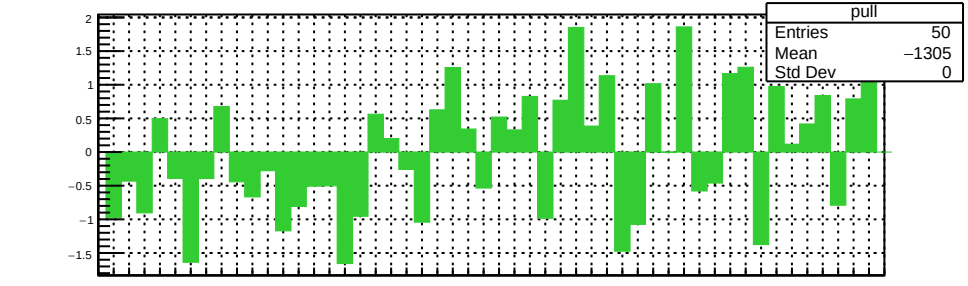

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 4865 / 49
p0 60.94 ± 0.06261
95
90
85
80
75
70
65
60
55
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

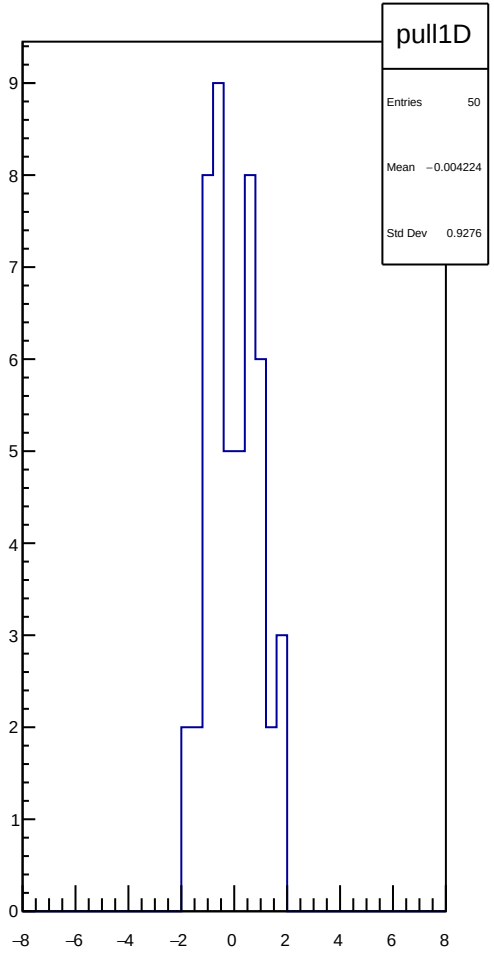

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.43 / 49
p0 −397.2 ± 562.3
10000
5000
0
−5000
−10000
pull
Entries 50
Mean −763.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

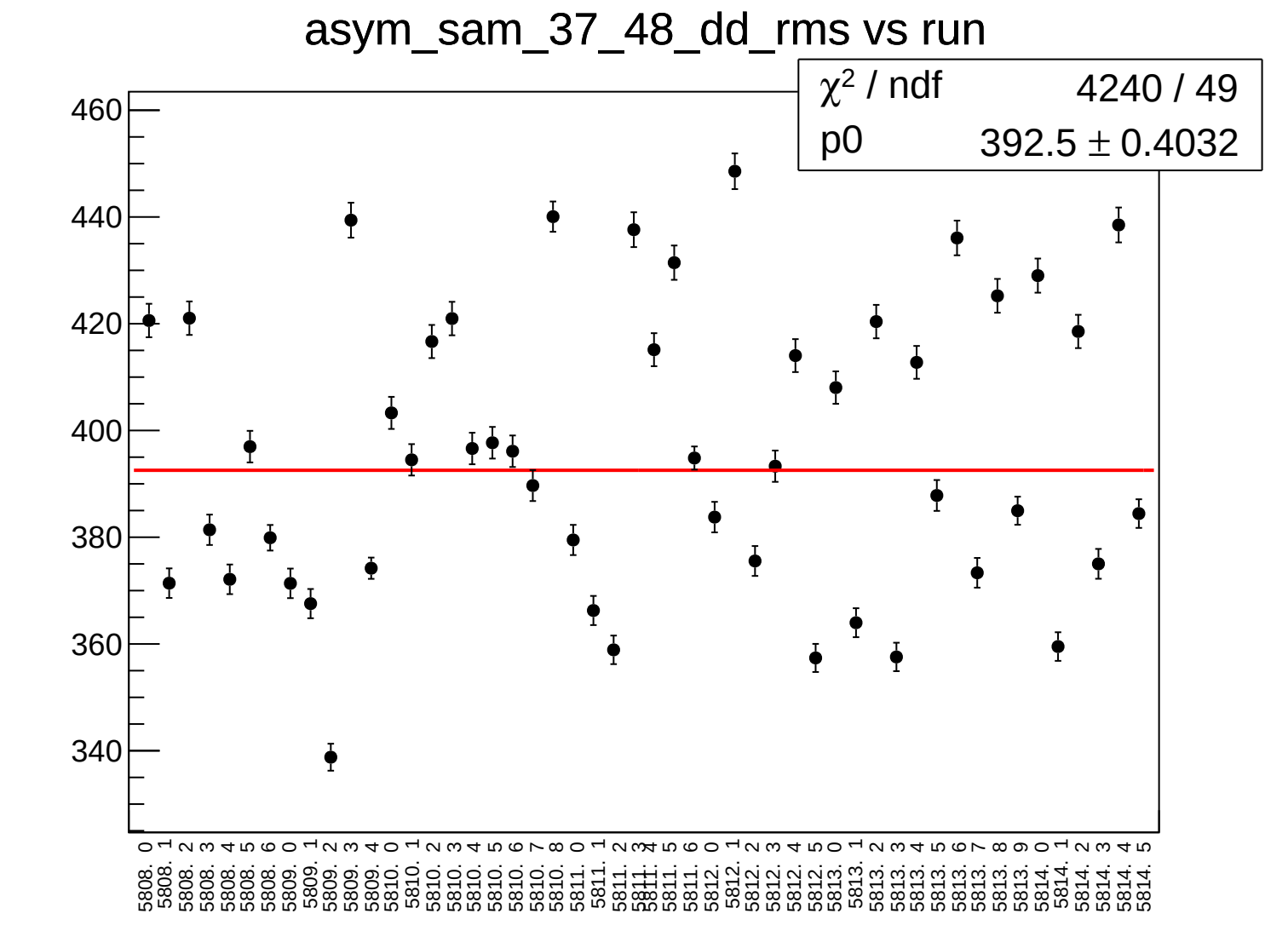

pull1D
Entries 50
Mean 0.006131
Std Dev 0.9212
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

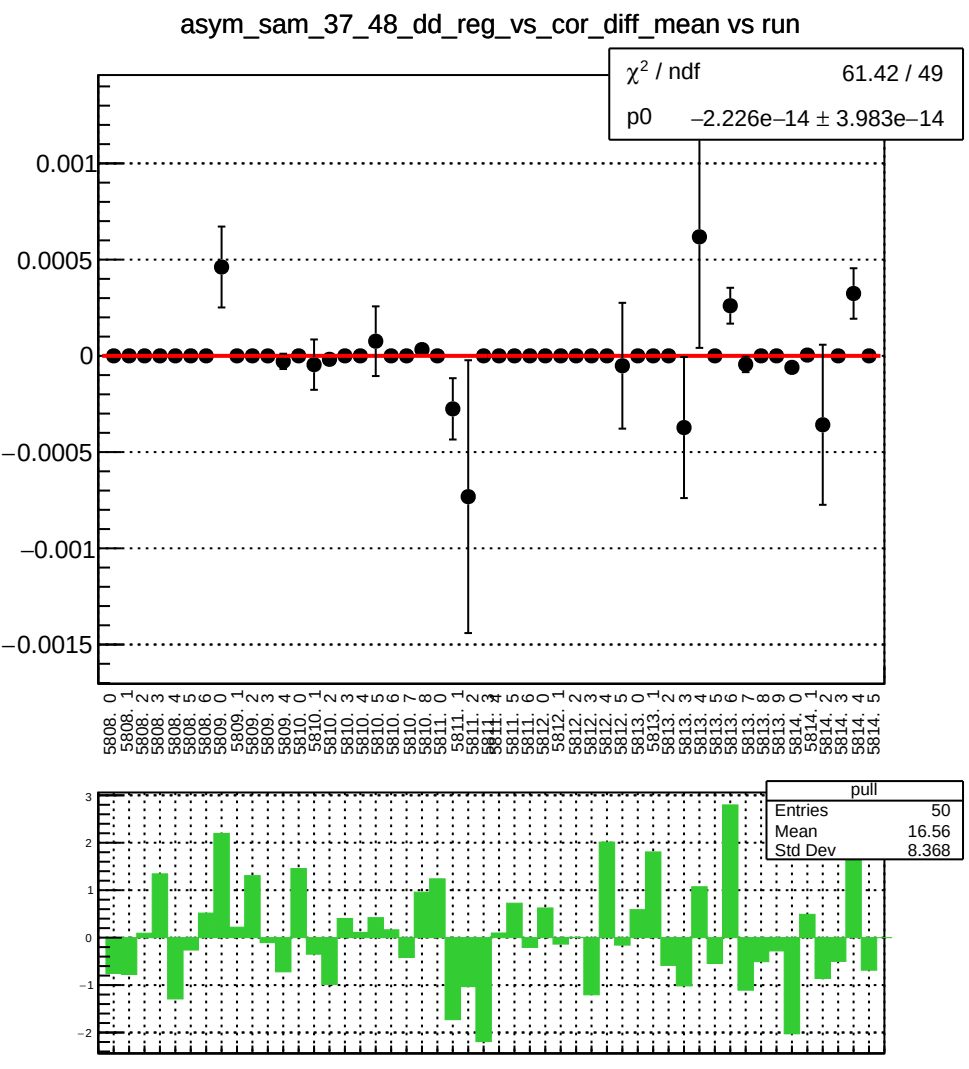

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 4543 / 49
p0 387 ± 0.3976
460
440
420
400
380
360
340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

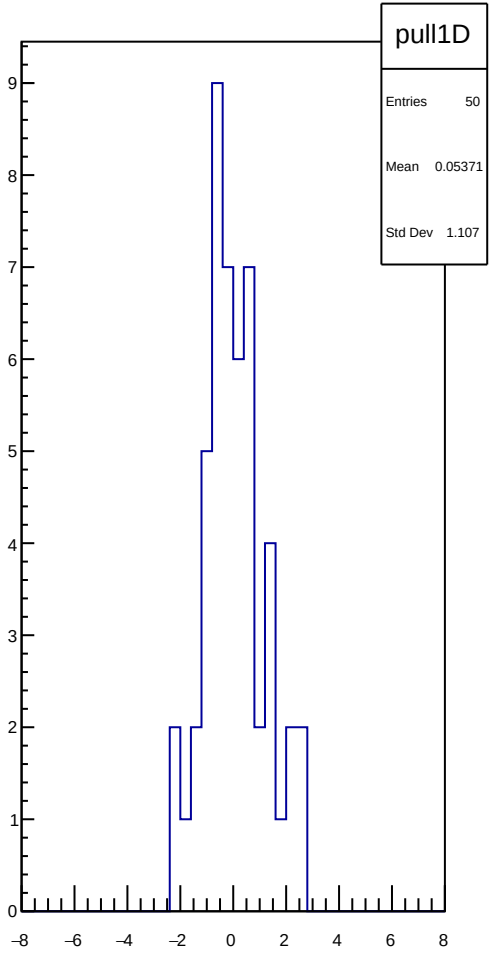

asym_sam_37_48_dd_mean vs run
χ² / ndf 43.02 / 49
p0 453.8 ± 570.2
10000
5000
0
−5000
−10000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

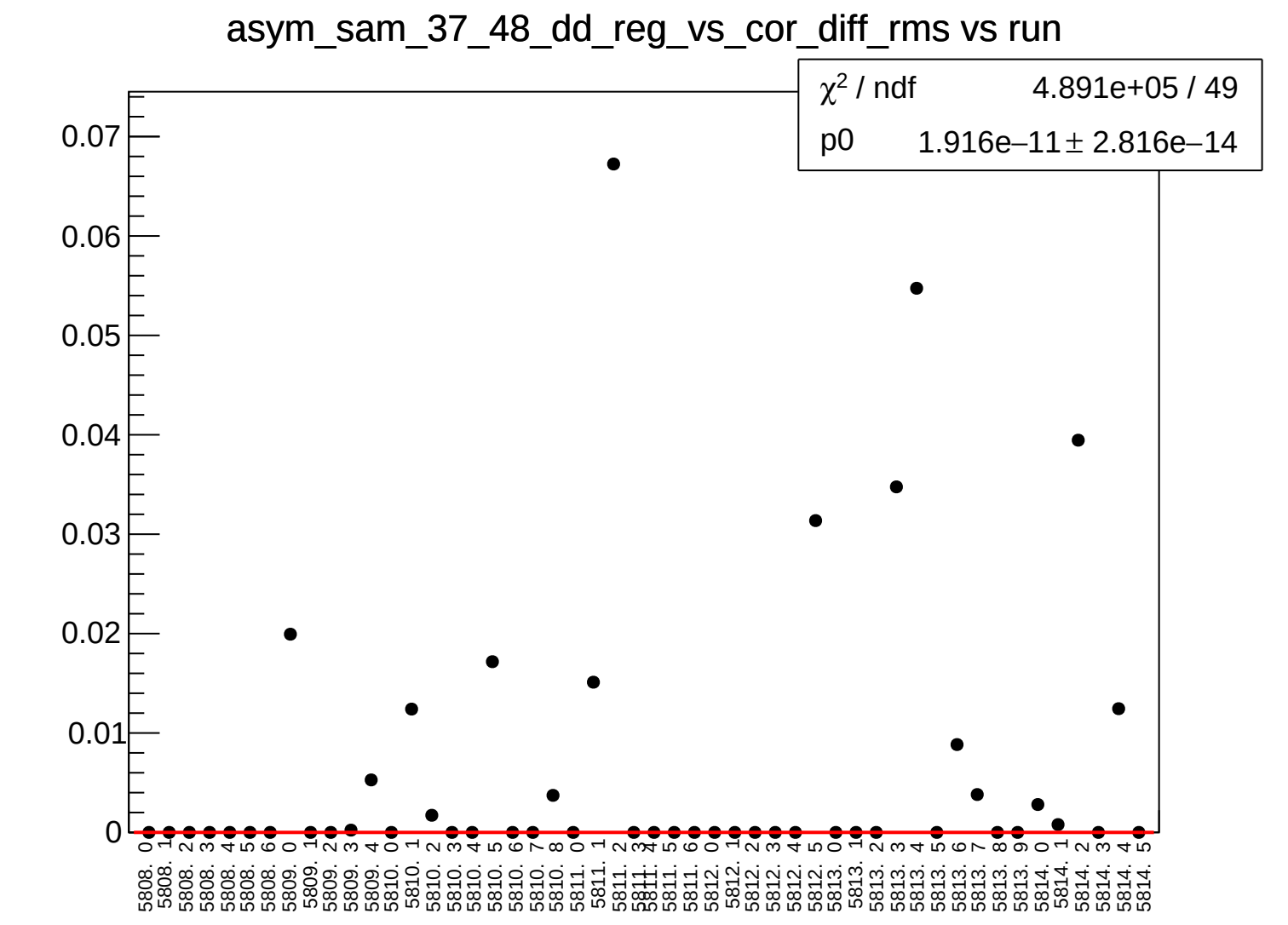

pull
Entries 50
Mean −1305
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

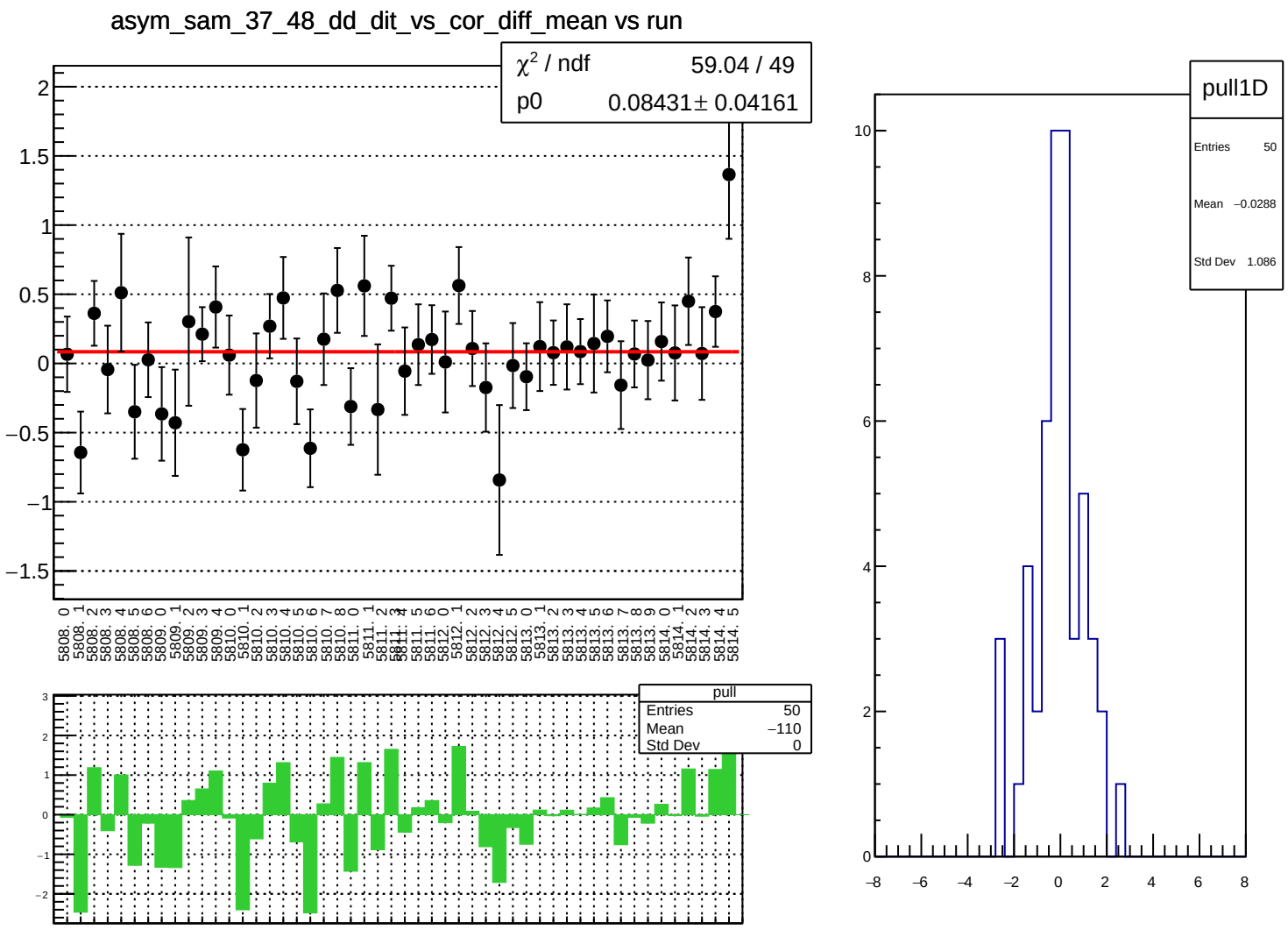

pull1D
Entries 50
Mean −0.004224
Std Dev 0.9276
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

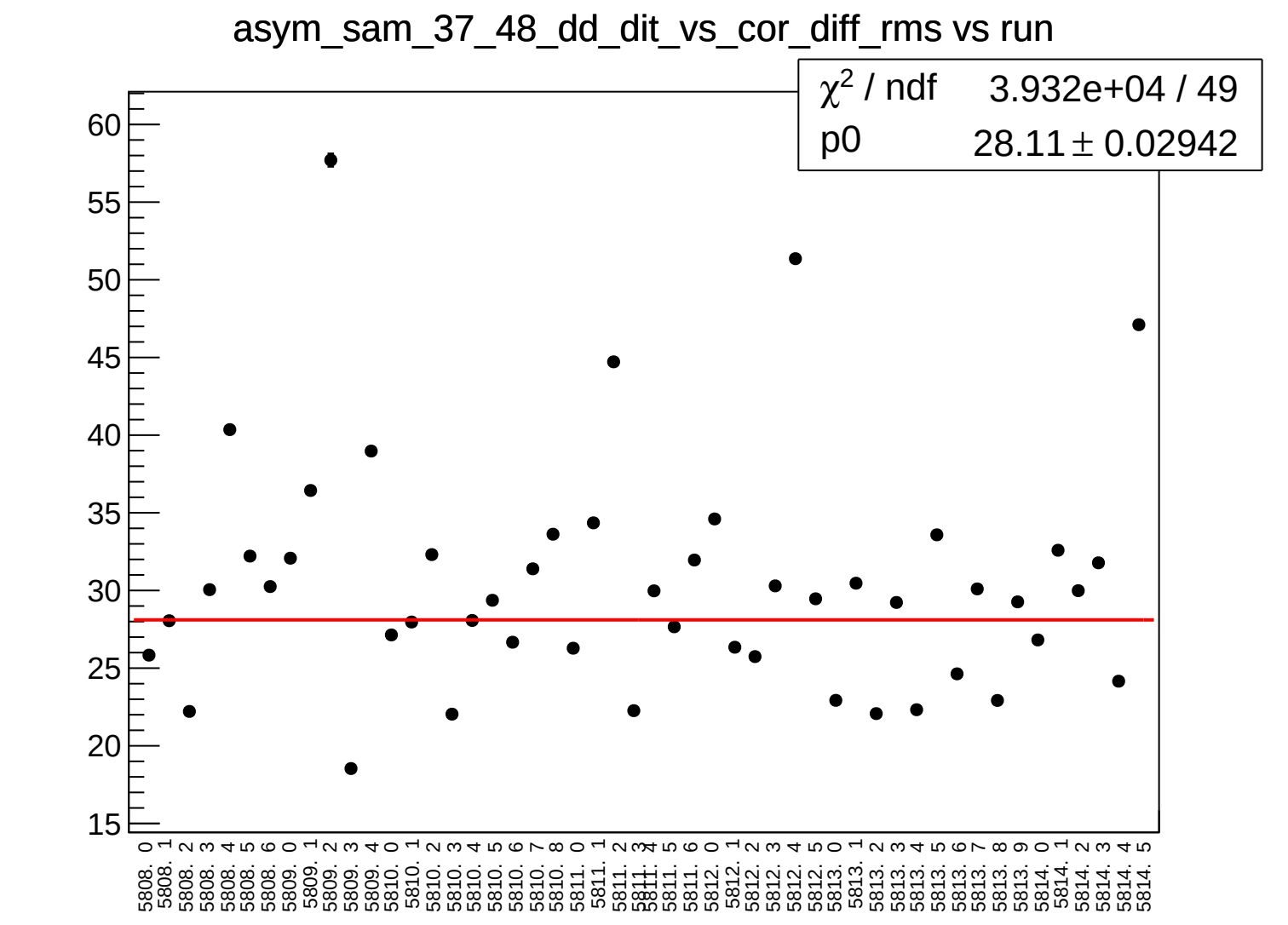

asym_sam_37_48_dd_rms vs run
χ² / ndf 4240 / 49
p0 392.5 ± 0.4032
460
440
420
400
380
360
340
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

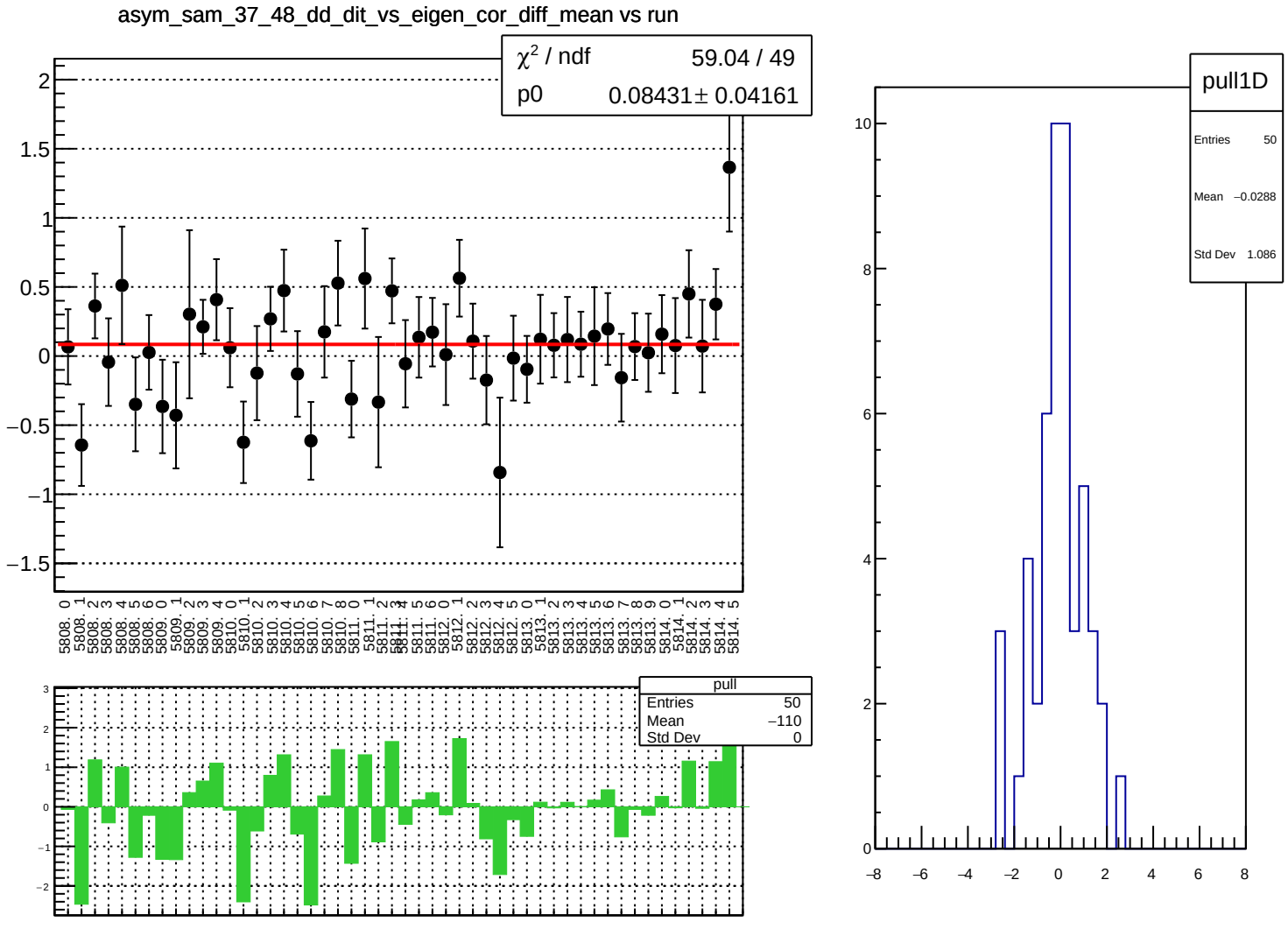

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 61.42 / 49
p0 −2.226e−14 ± 3.983e−14
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 50
Mean 16.56
Std Dev 8.368

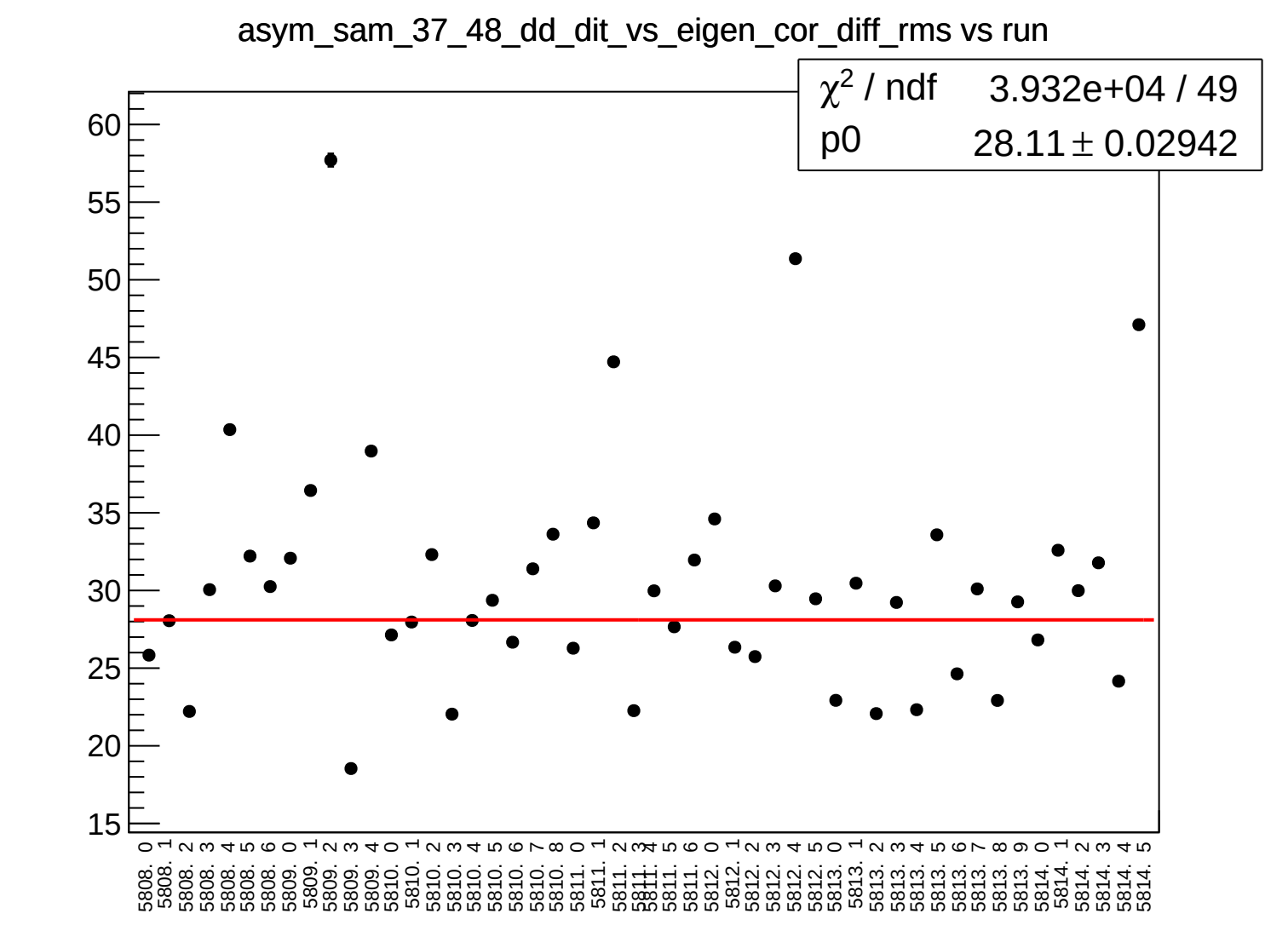

pull1D
Entries 50
Mean 0.05371
Std Dev 1.107

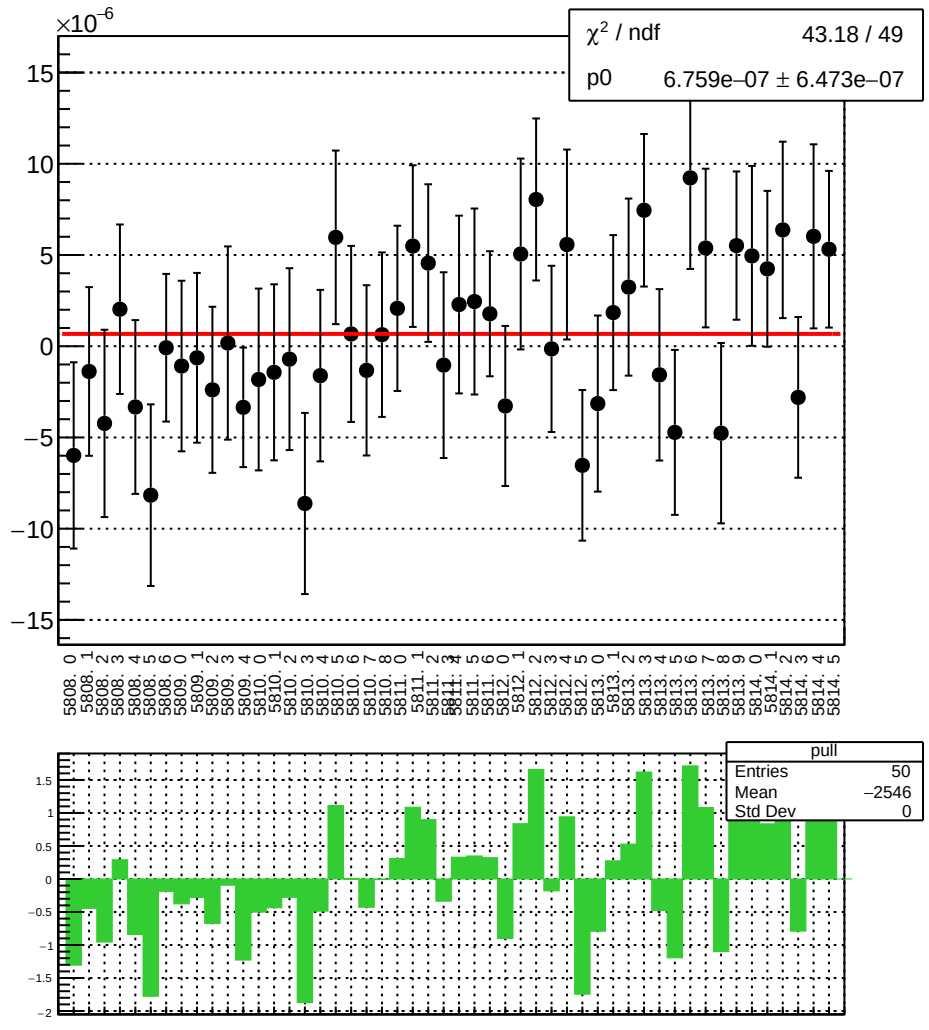

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.891e+05 / 49
p0 1.916e−11 ± 2.816e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

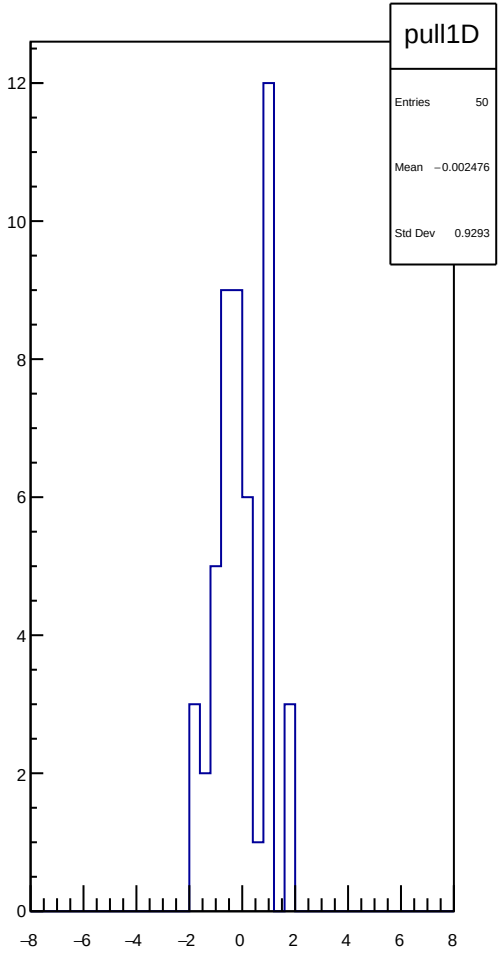

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 59.04 / 49
p0 0.08431± 0.04161
pull
Entries 50
Mean −110
Std Dev 0
pull1D
Entries 50
Mean −0.0288
Std Dev 1.086

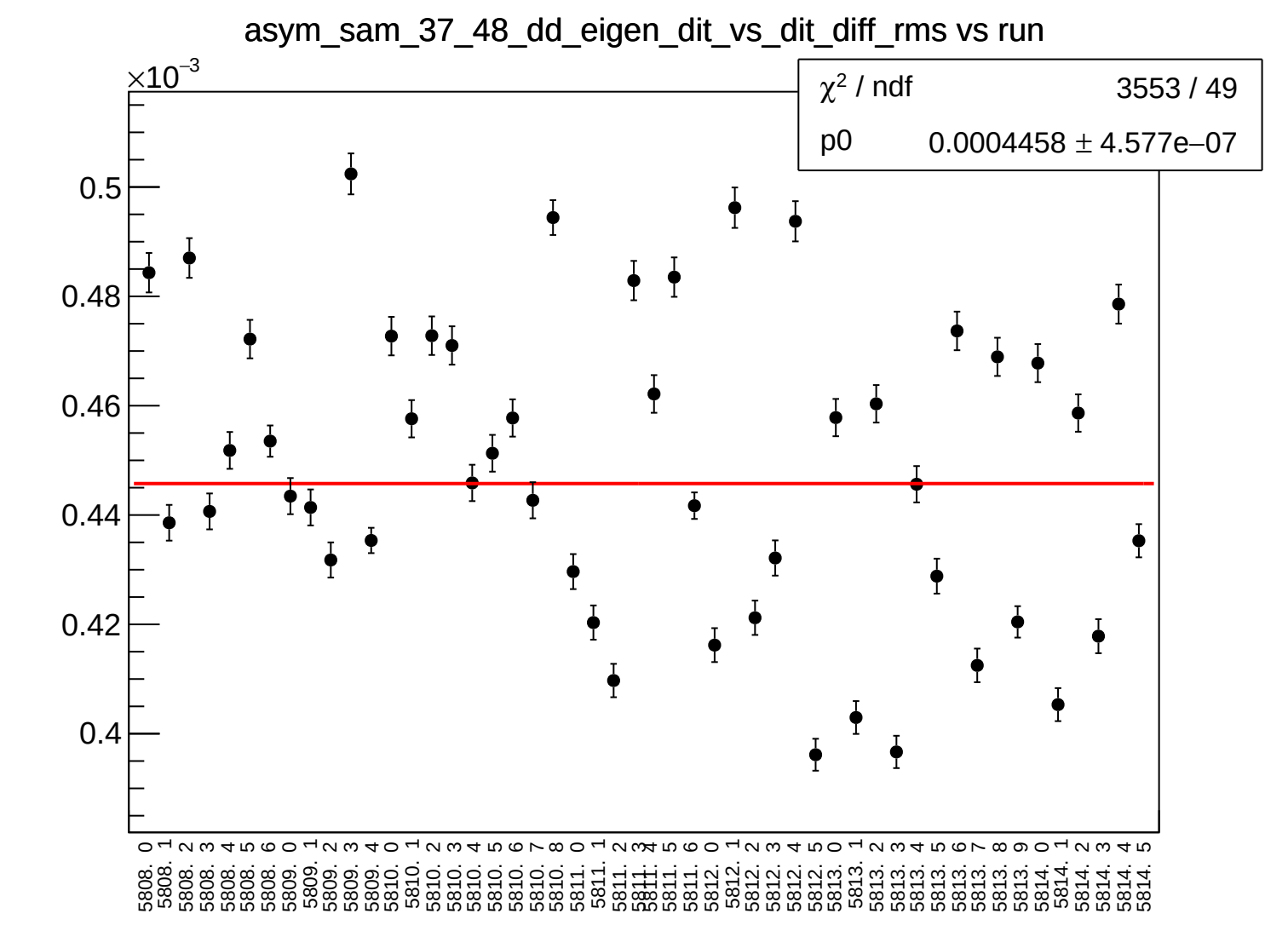

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.932e+04 / 49
p0 28.11 ± 0.02942
60
55
50
45
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

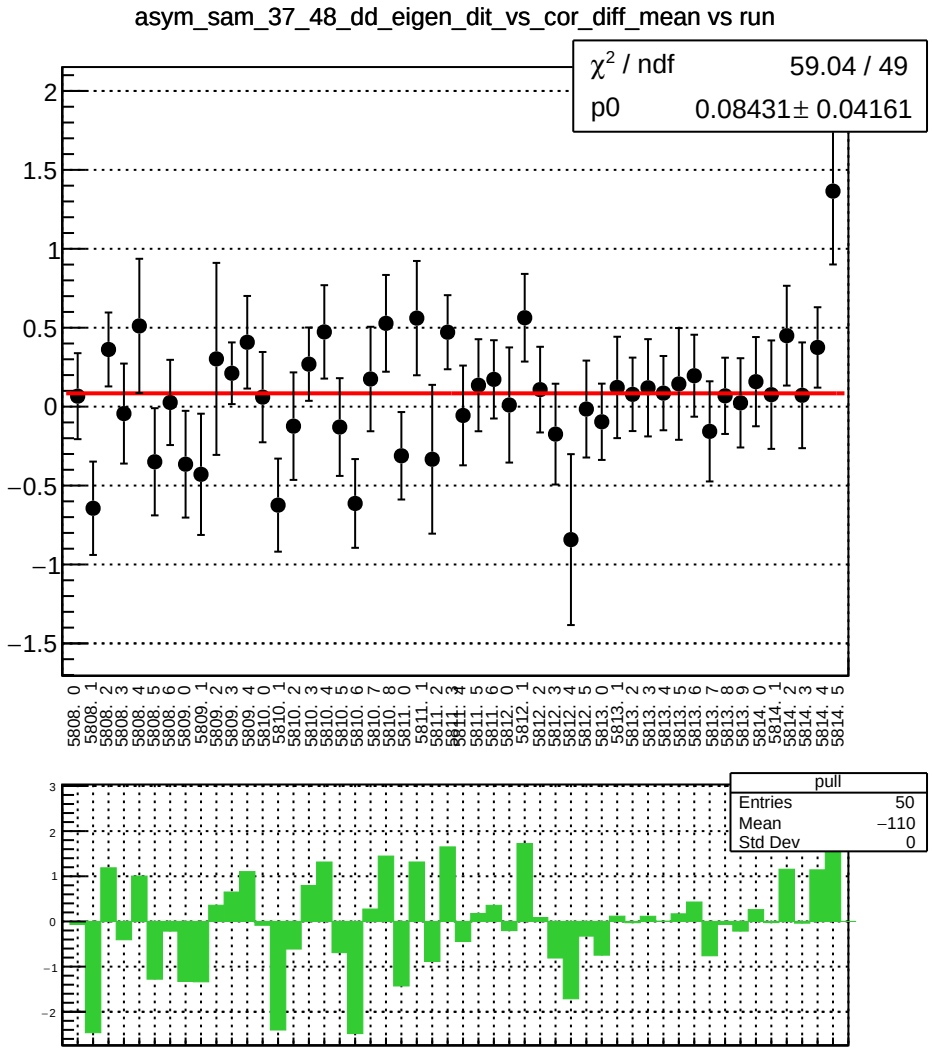

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.04 / 49
p0 0.08431± 0.04161
pull
Entries 50
Mean −110
Std Dev 0
pull1D
Entries 50
Mean −0.0288
Std Dev 1.086

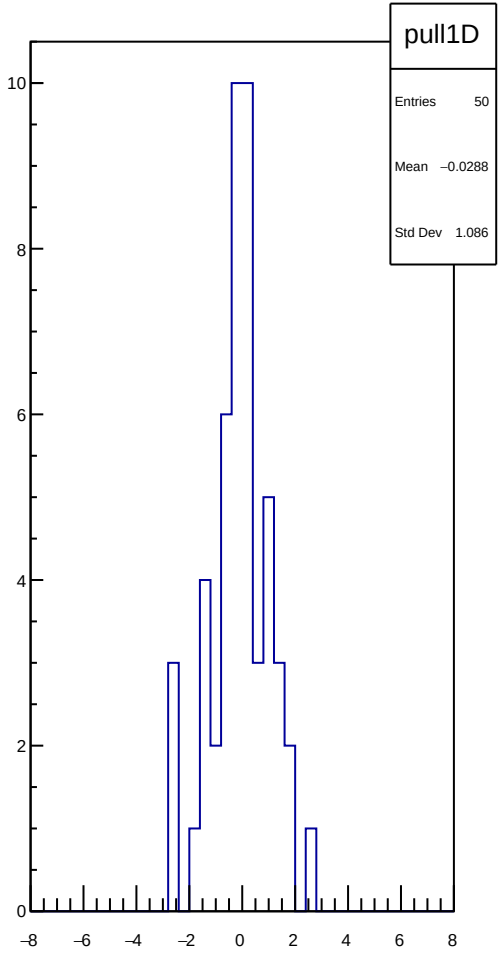

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.932e+04 / 49
p0 28.11 ± 0.02942
60
55
50
45
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

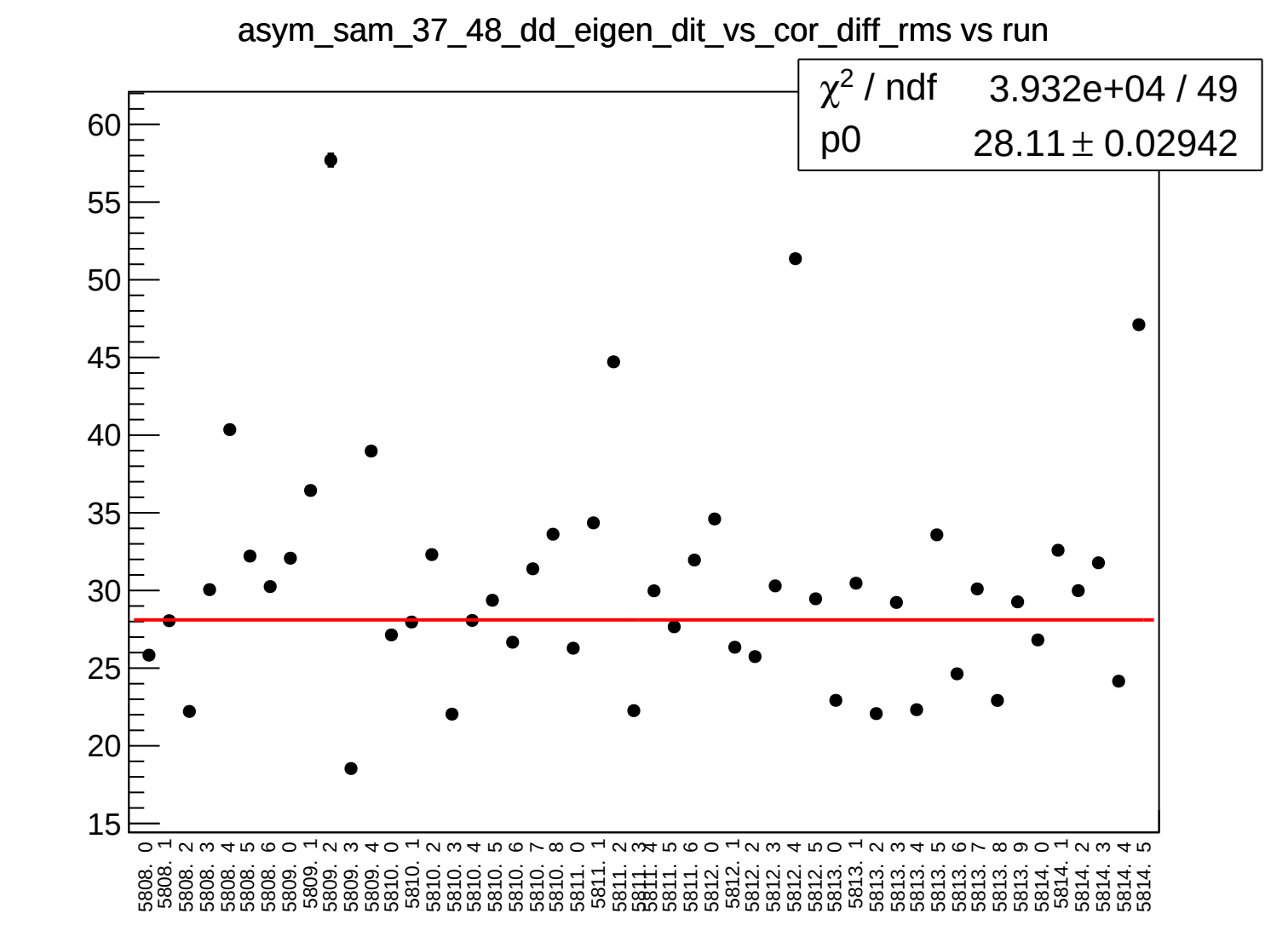

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 43.18 / 49
p0 6.759e−07 ± 6.473e−07
pull
Entries 50
Mean −2546
Std Dev 0

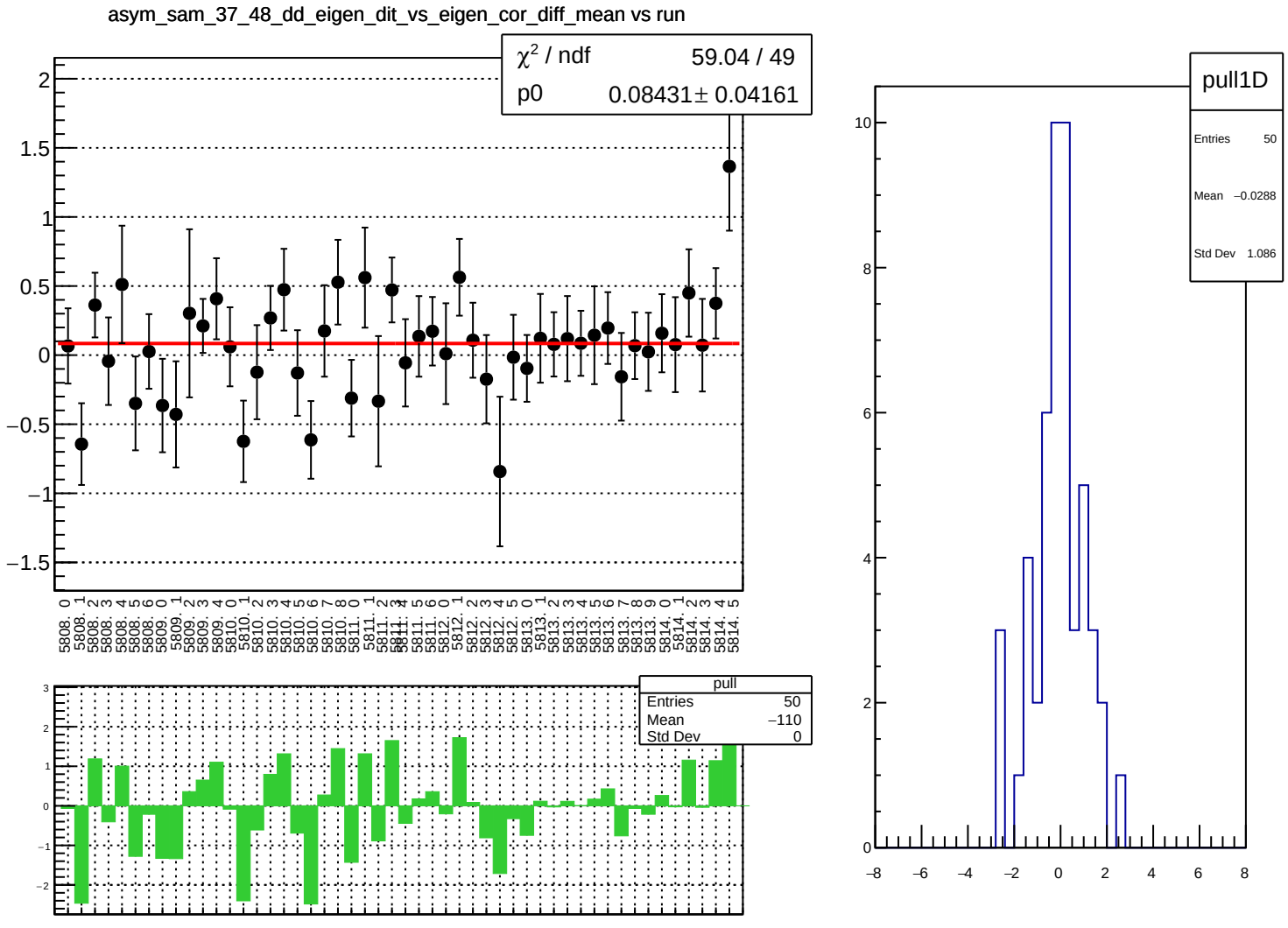

pull1D
Entries 50
Mean −0.002476
Std Dev 0.9293

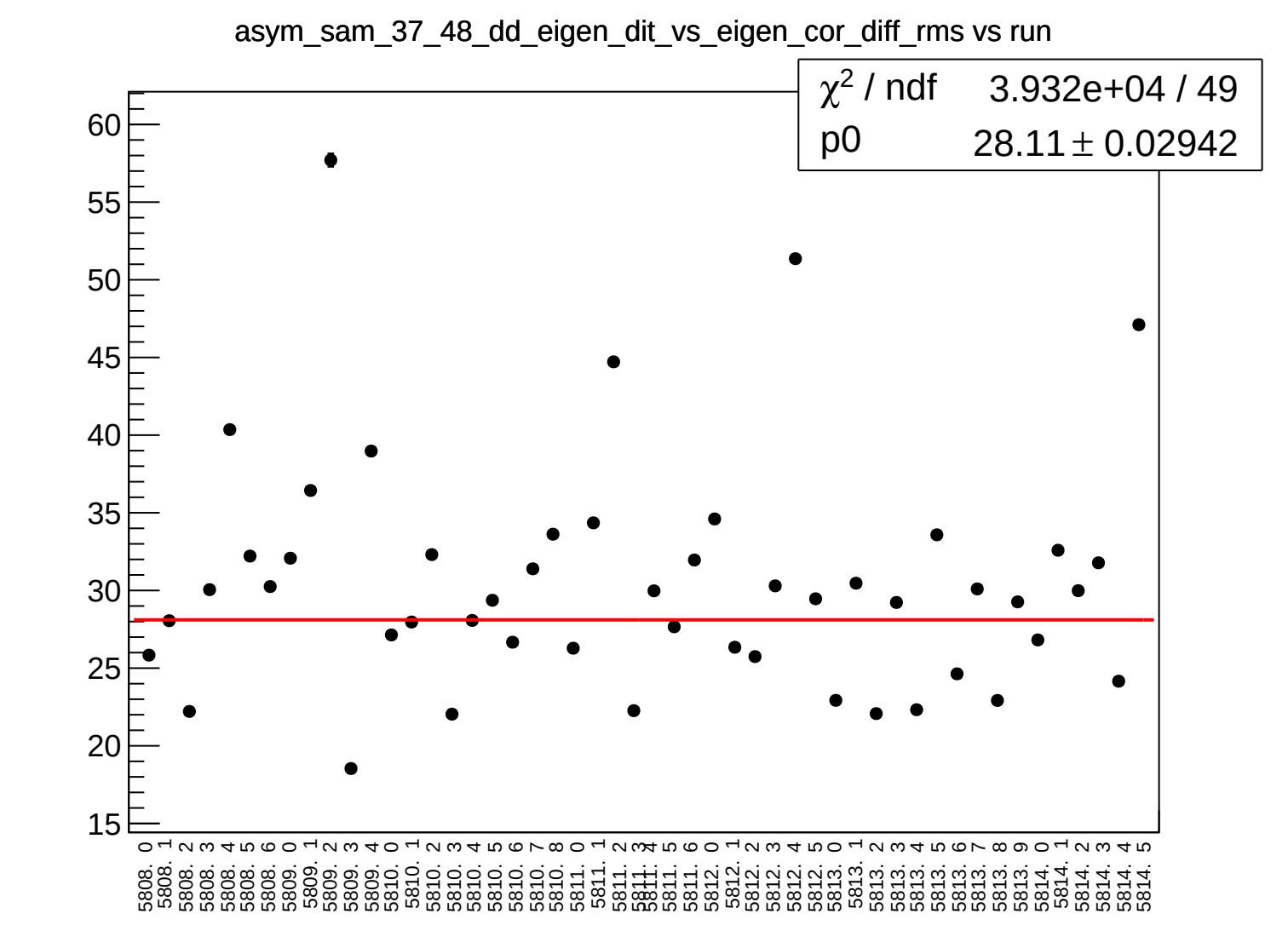

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 3553 / 49
p0 0.0004458 ± 4.577e–07
0.5
0.48
0.46
0.44
0.42
0.4
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

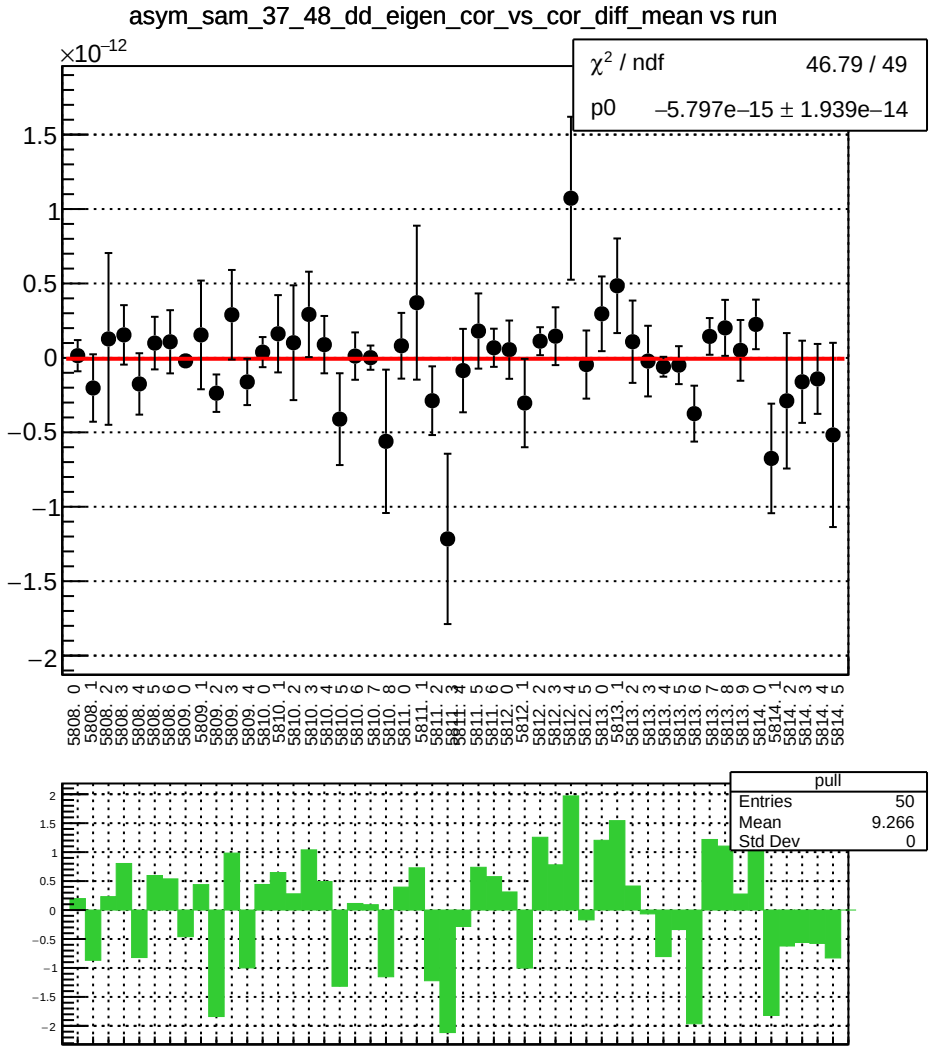

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 59.04 / 49
p0 0.08431± 0.04161
pull
Entries 50
Mean −110
Std Dev 0

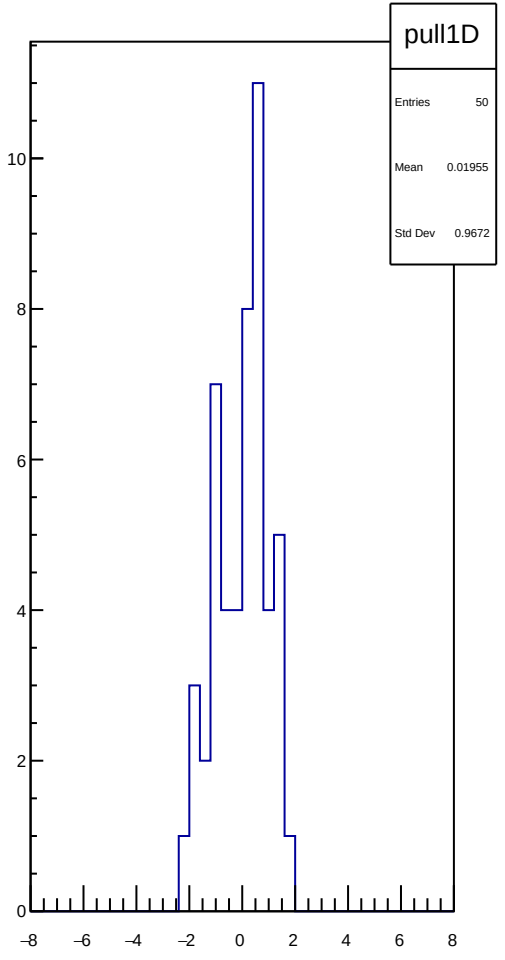

pull1D
Entries 50
Mean −0.0288
Std Dev 1.086

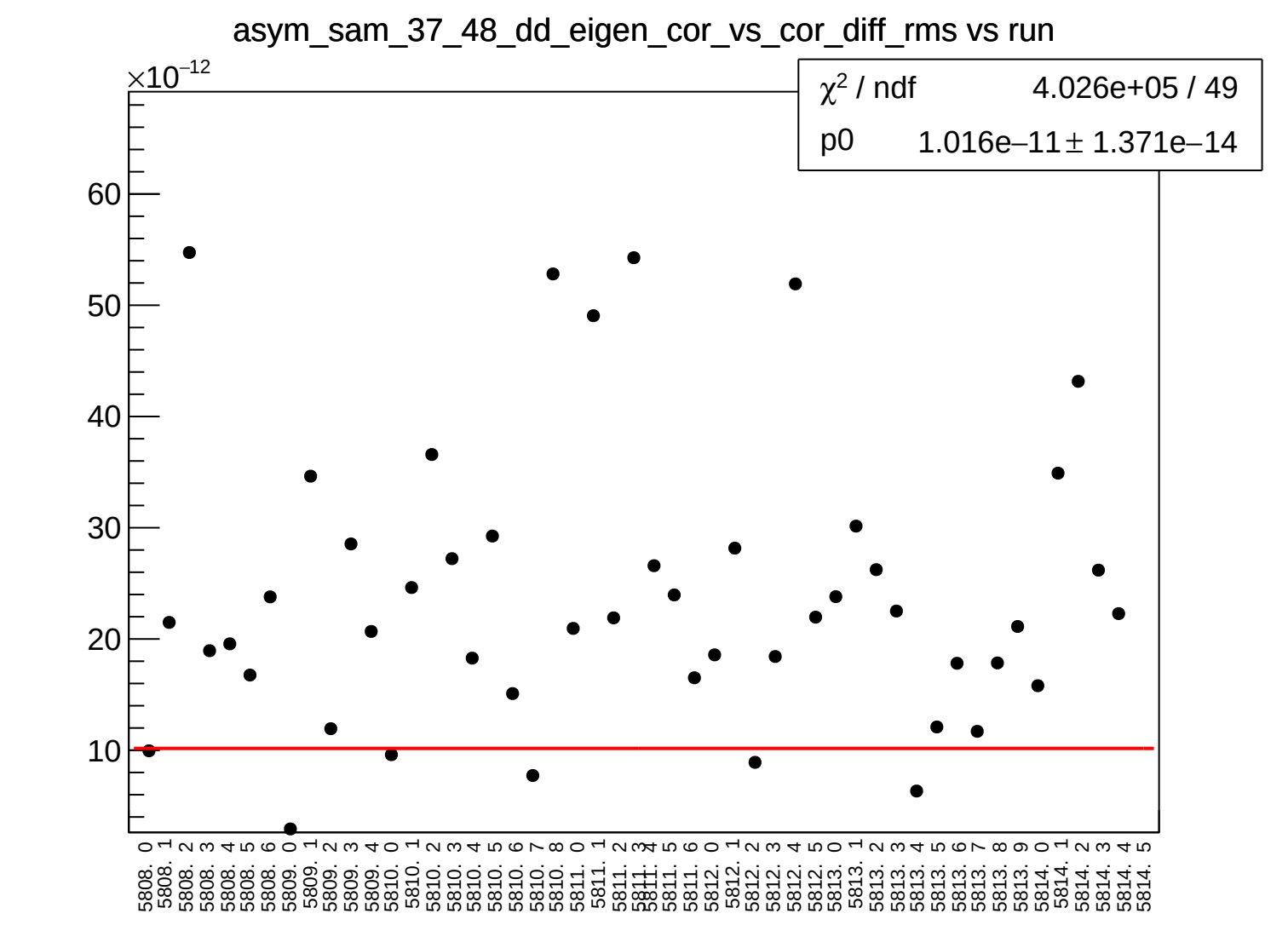

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.932e+04 / 49
p0 28.11 ± 0.02942
60
55
50
45
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

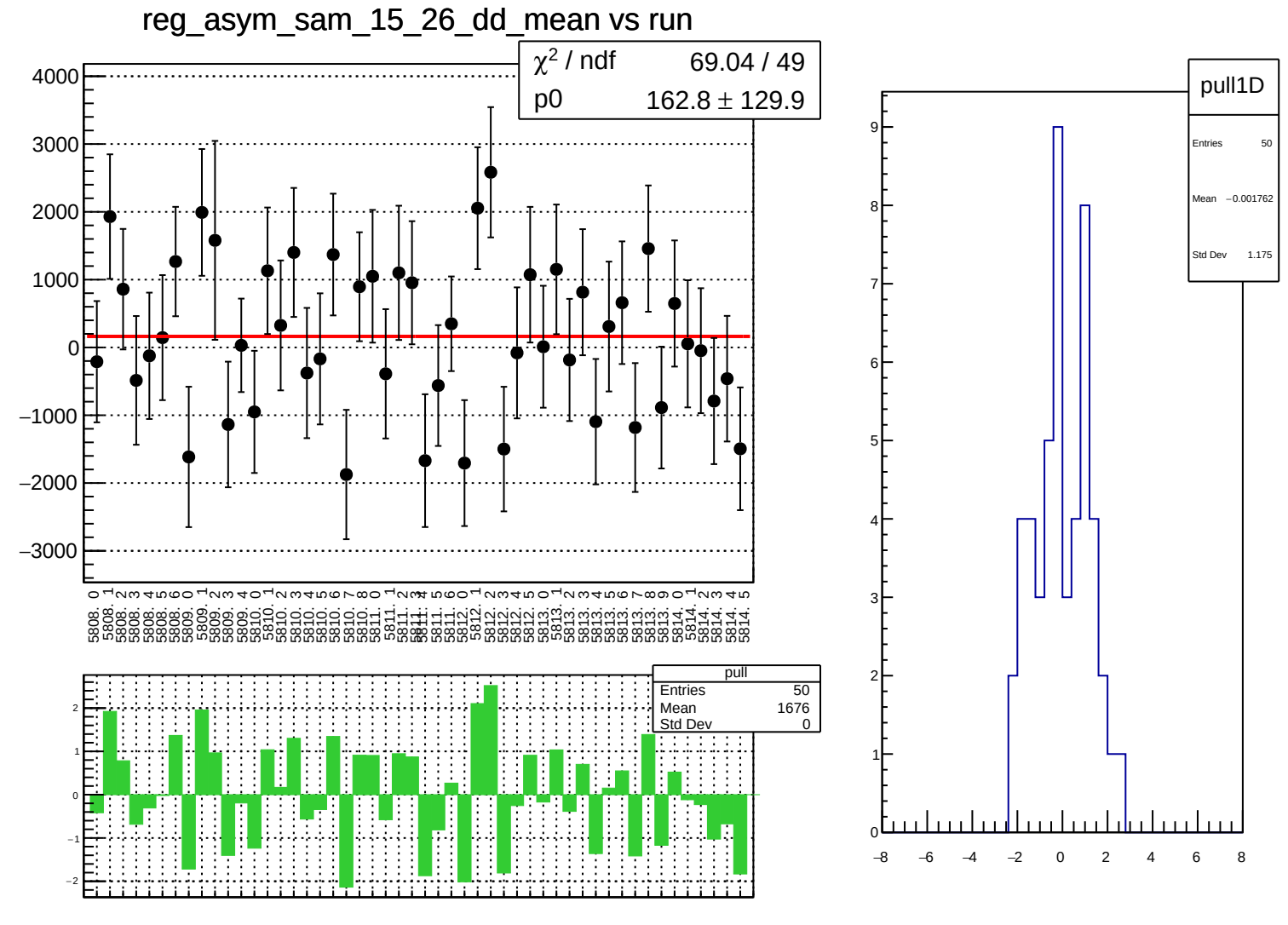

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 59.04 / 49
p0 0.08431± 0.04161
pull
Entries 50
Mean −110
Std Dev 0
pull1D
Entries 50
Mean −0.0288
Std Dev 1.086

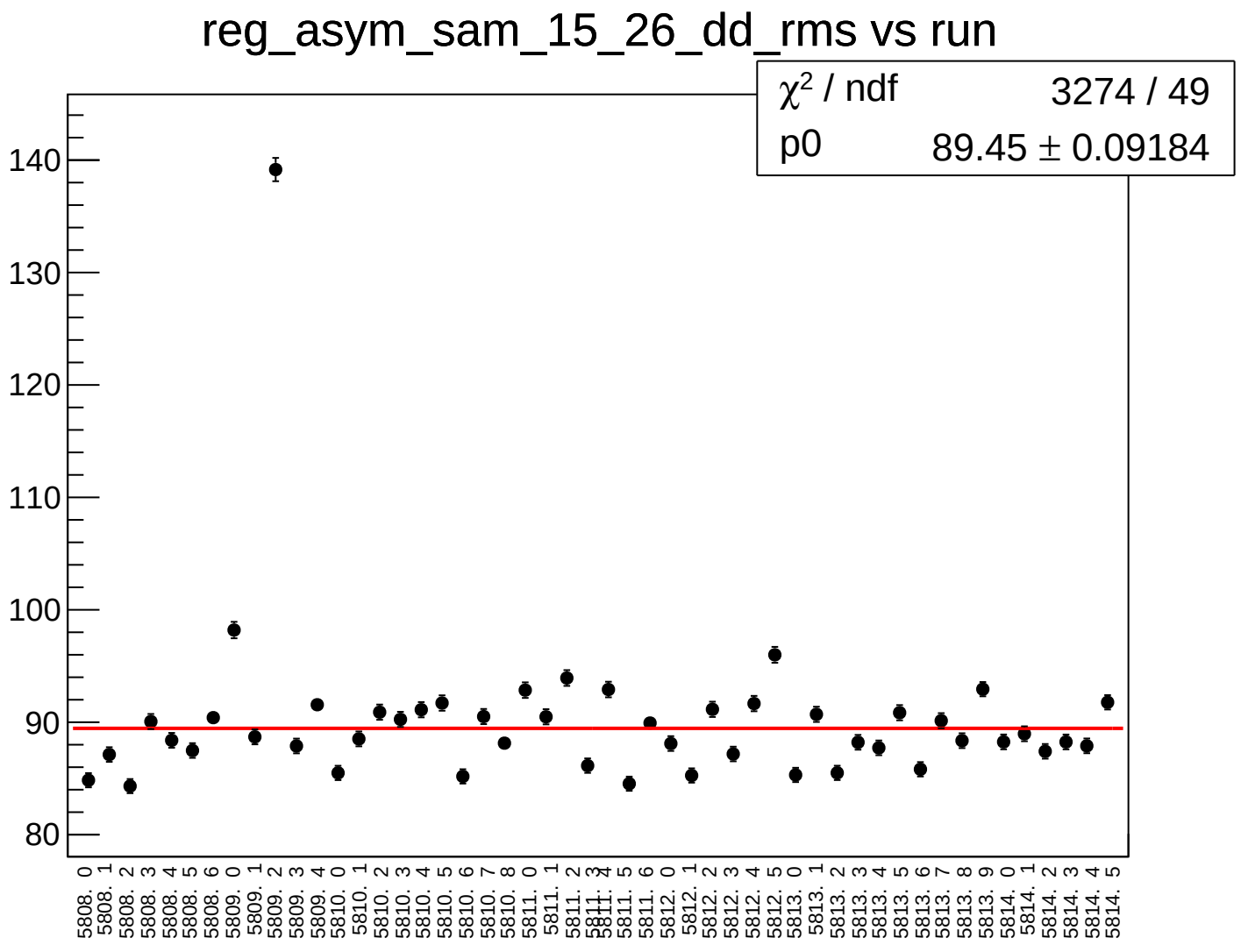

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.932e+04 / 49
p0 28.11 ± 0.02942
60
55
50
45
40
35
30
25
20
15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.79 / 49
p0 −5.797e−15 ± 1.939e−14
pull
Entries 50
Mean 9.266
Std Dev 0


pull1D
Entries 50
Mean 0.01955
Std Dev 0.9672


asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 4.026e+05 / 49
p0 1.016e−11 ± 1.371e−14
60
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.04 / 49
p0 162.8 ± 129.9
pull
Entries 50
Mean 1676
Std Dev 0
pull1D
Entries 50
Mean −0.001762
Std Dev 1.175


reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 3274 / 49
p0 89.45 ± 0.09184
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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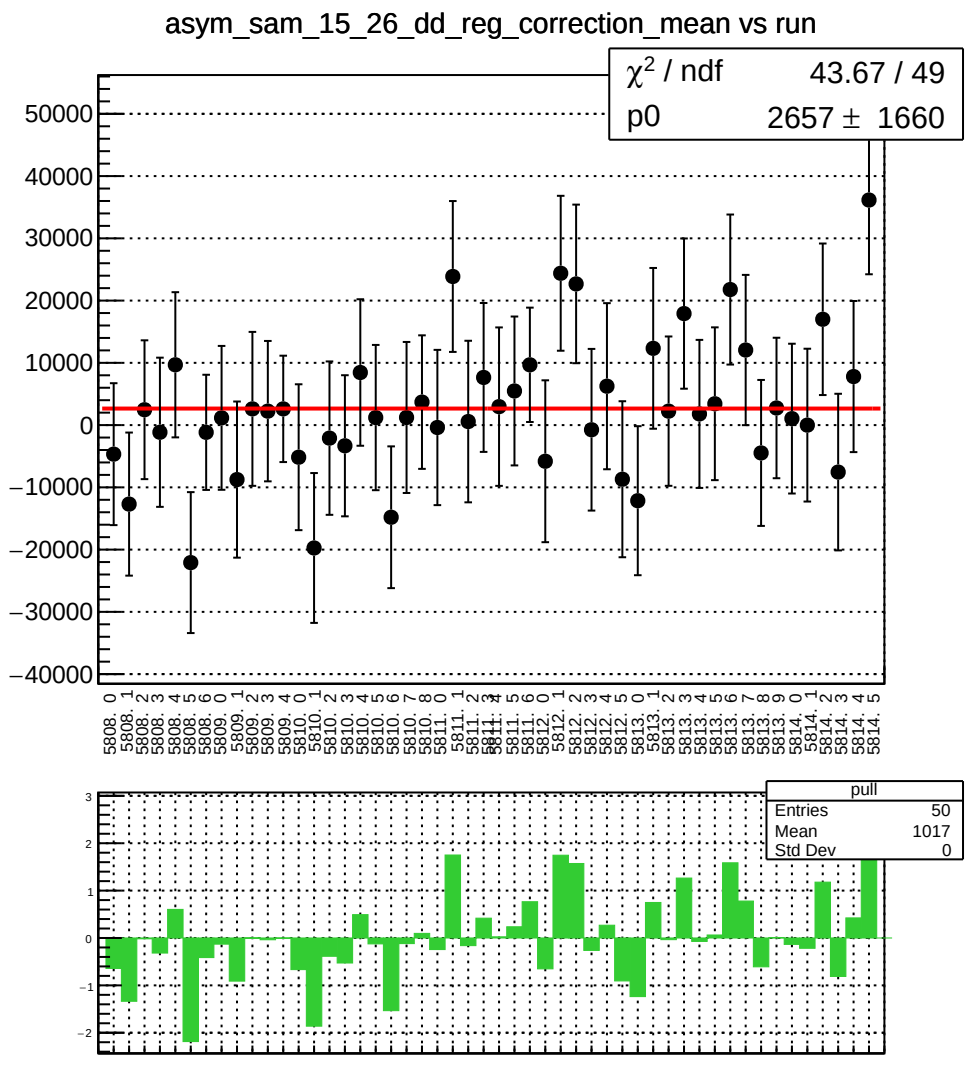
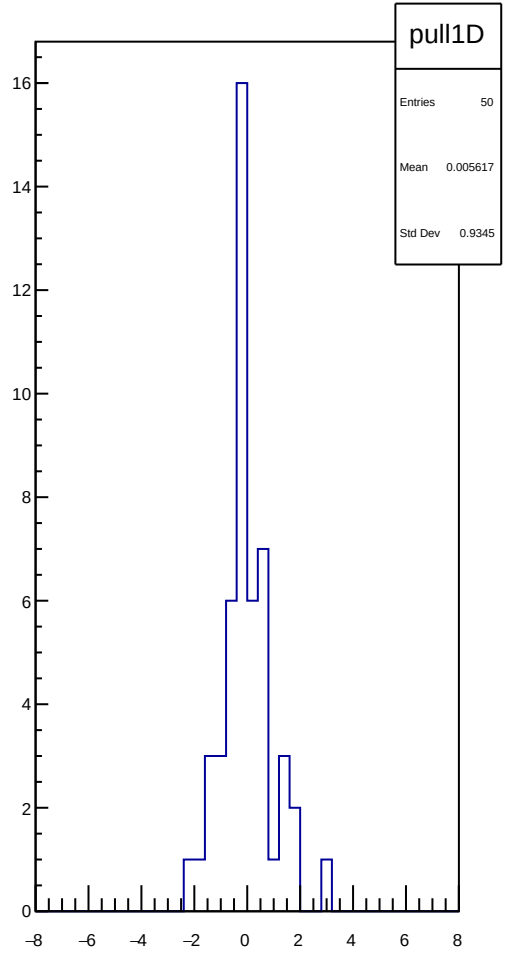
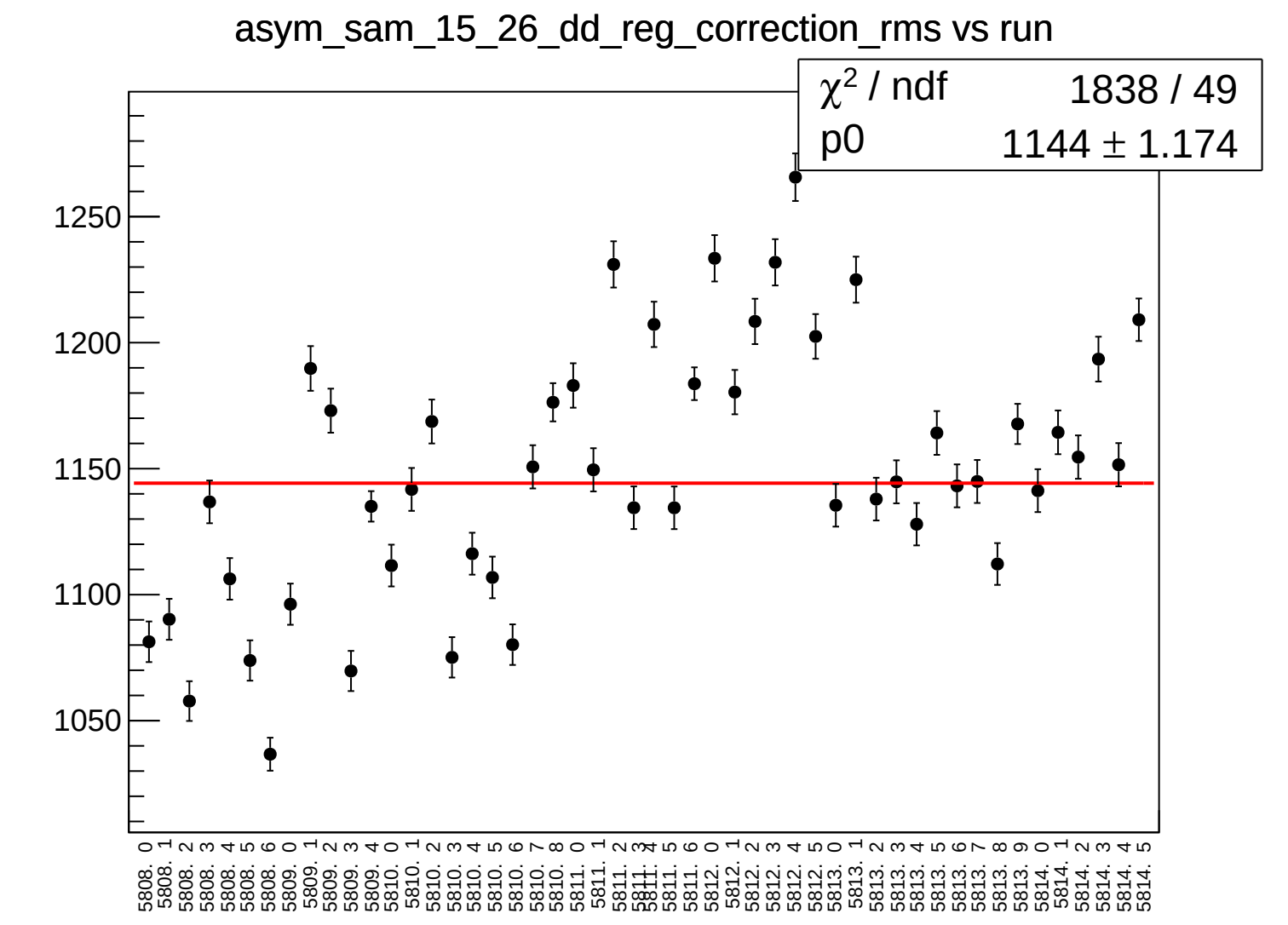
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 43.67 / 49
p0 2657 ± 1660
pull
Entries 50
Mean 1017
Std Dev 0


pull1D
Entries 50
Mean 0.005617
Std Dev 0.9345


asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 1838 / 49
p0 1144 ± 1.174
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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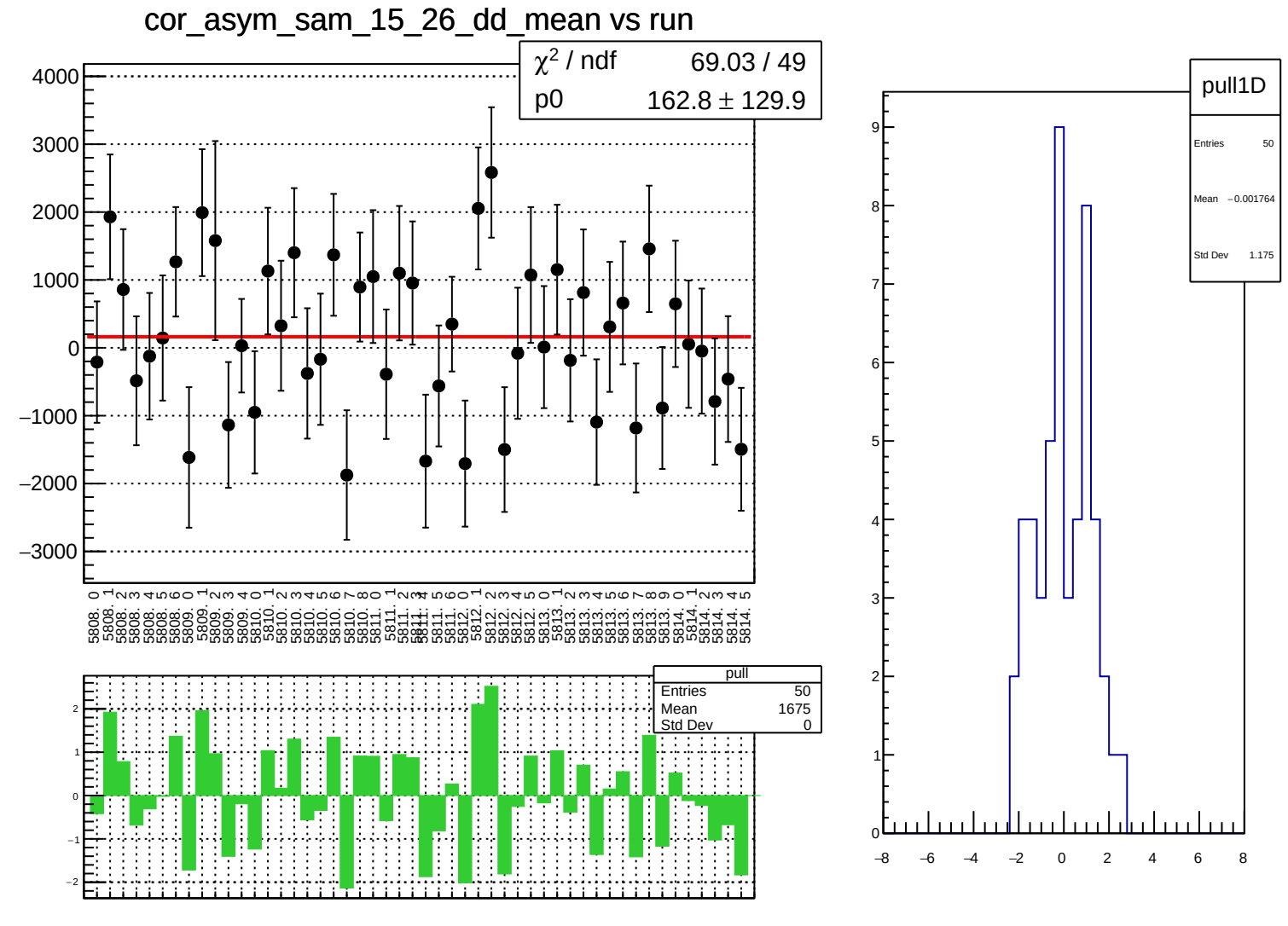
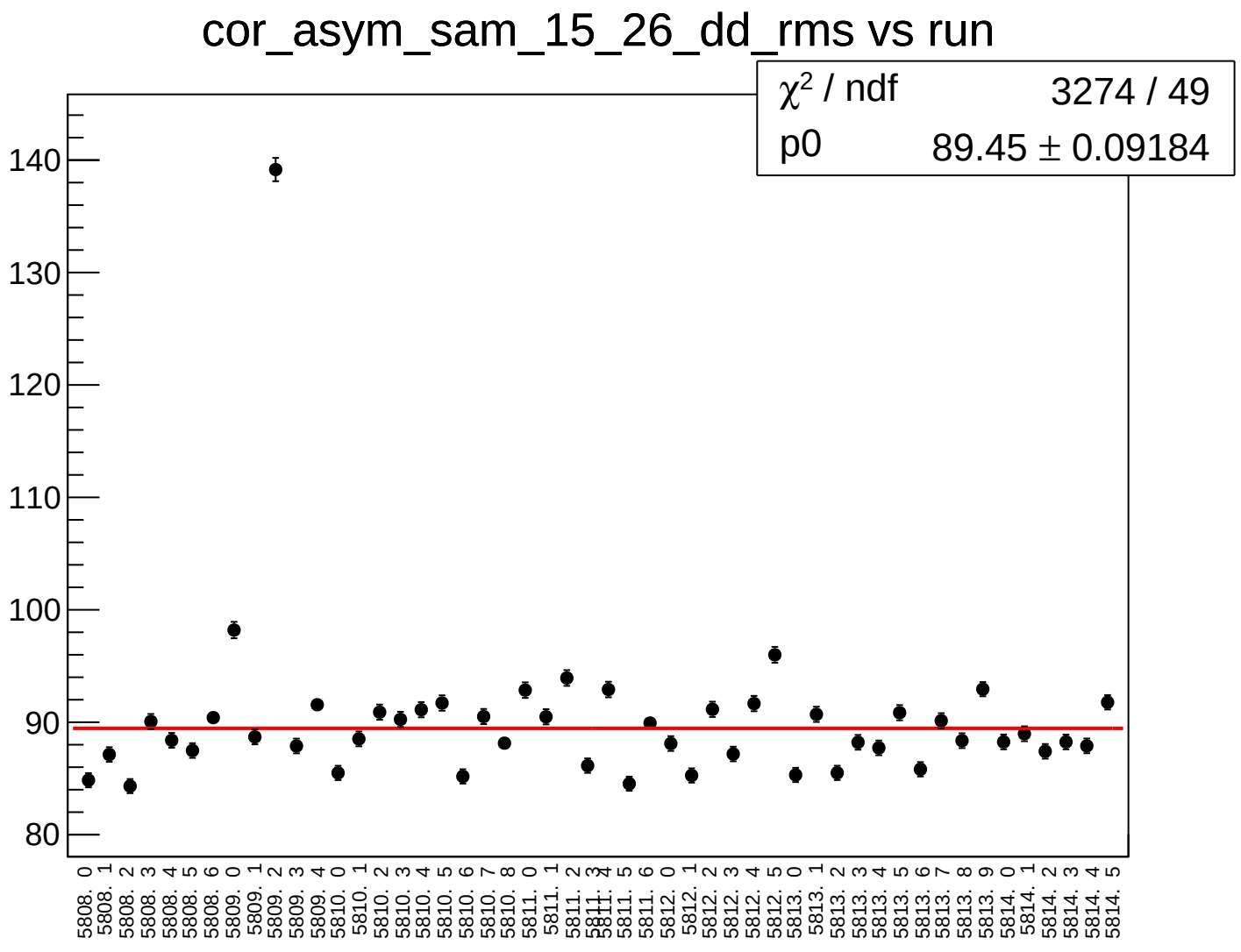
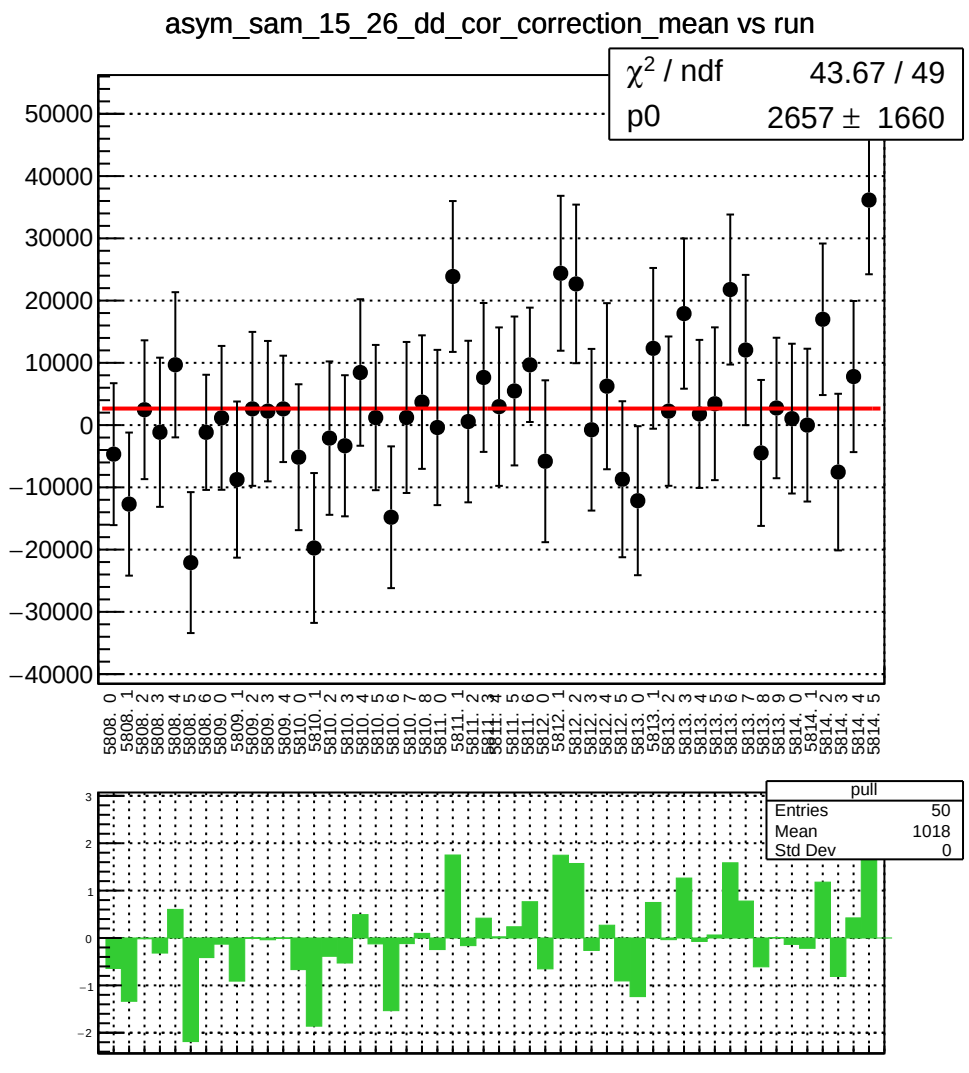
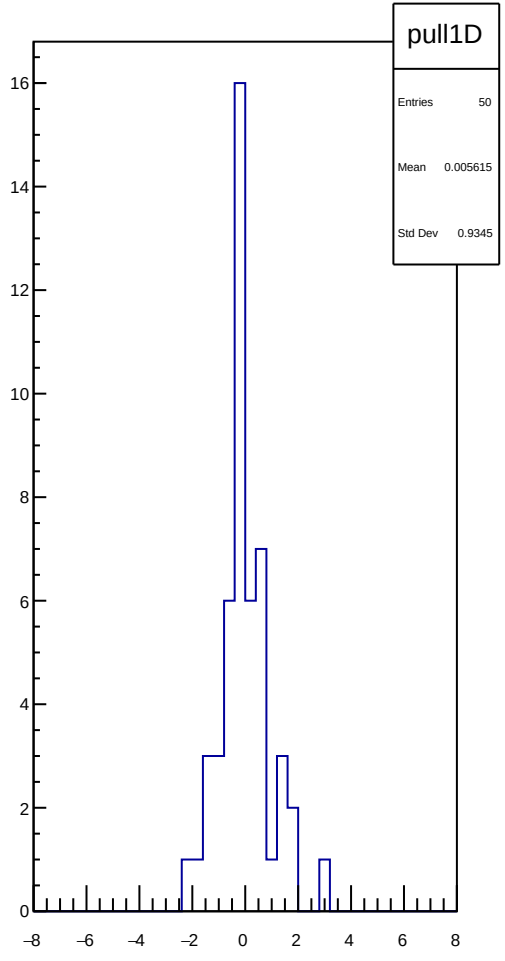
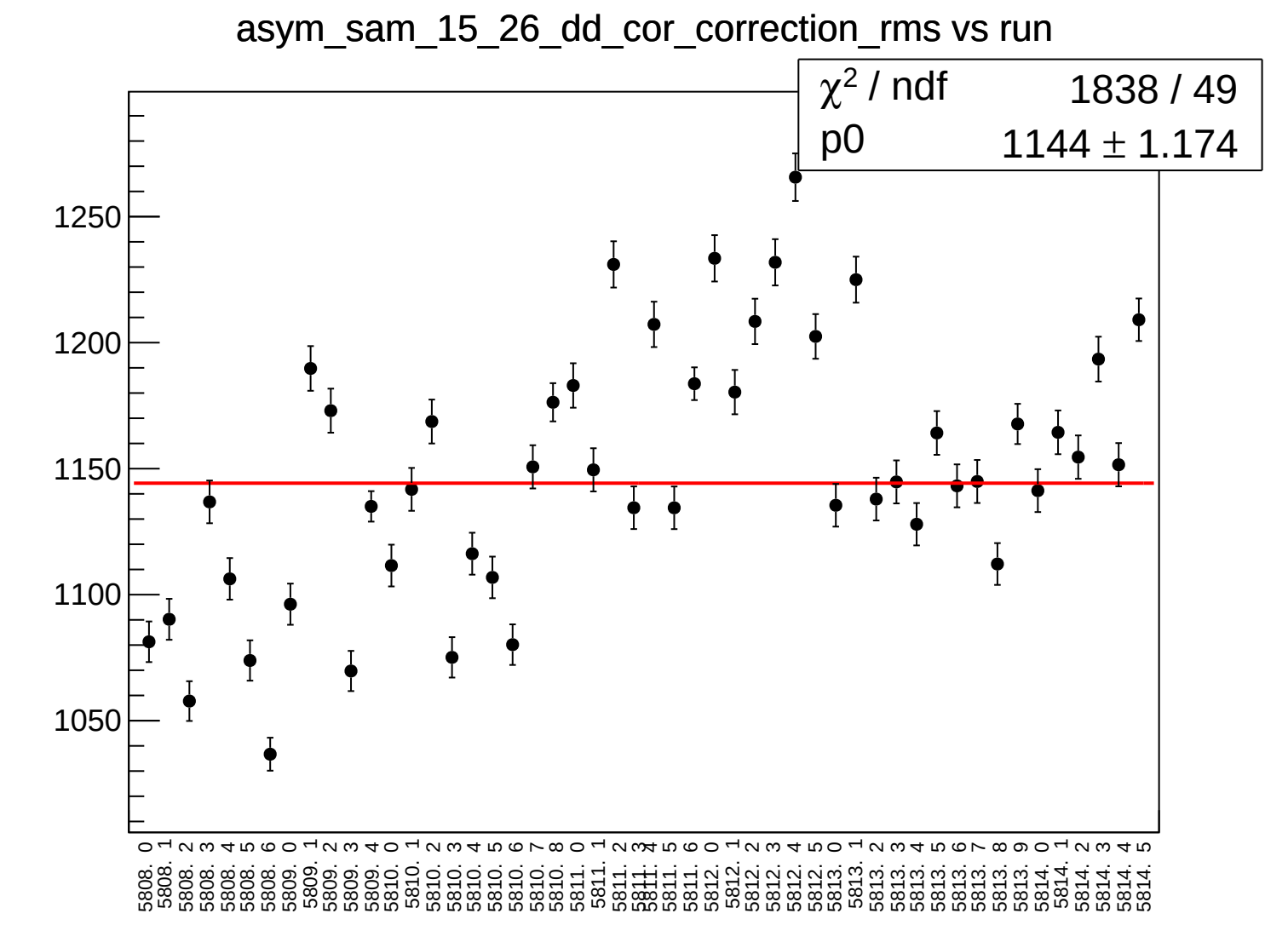
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.03 / 49
p0 162.8 ± 129.9
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1675
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.001764
Std Dev 1.175
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 3274 / 49
p0 89.45 ± 0.09184
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 43.67 / 49
p0 2657 ± 1660
pull
Entries 50
Mean 1018
Std Dev 0


pull1D
Entries 50
Mean 0.005615
Std Dev 0.9345


asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 1838 / 49
p0 1144 ± 1.174
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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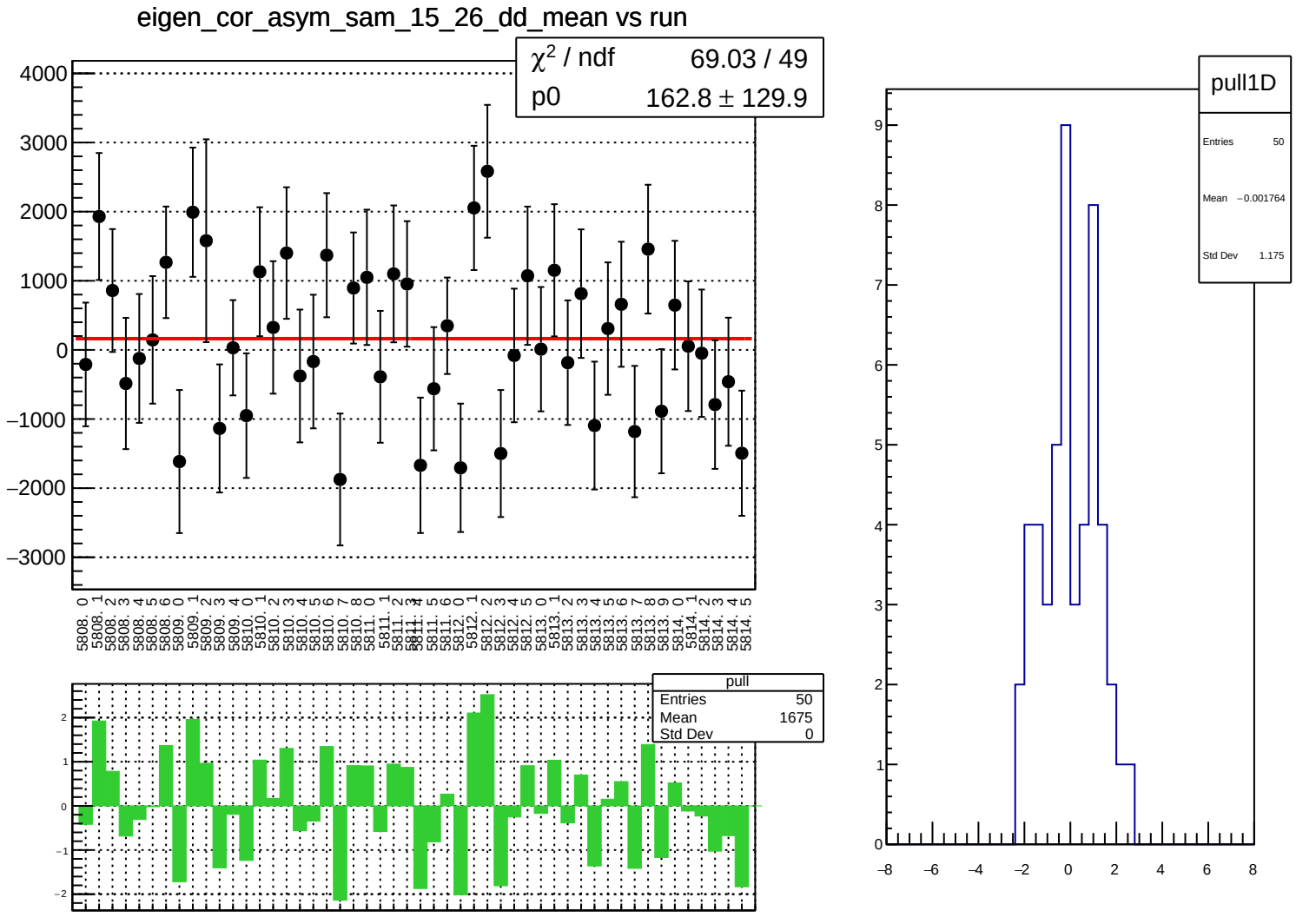
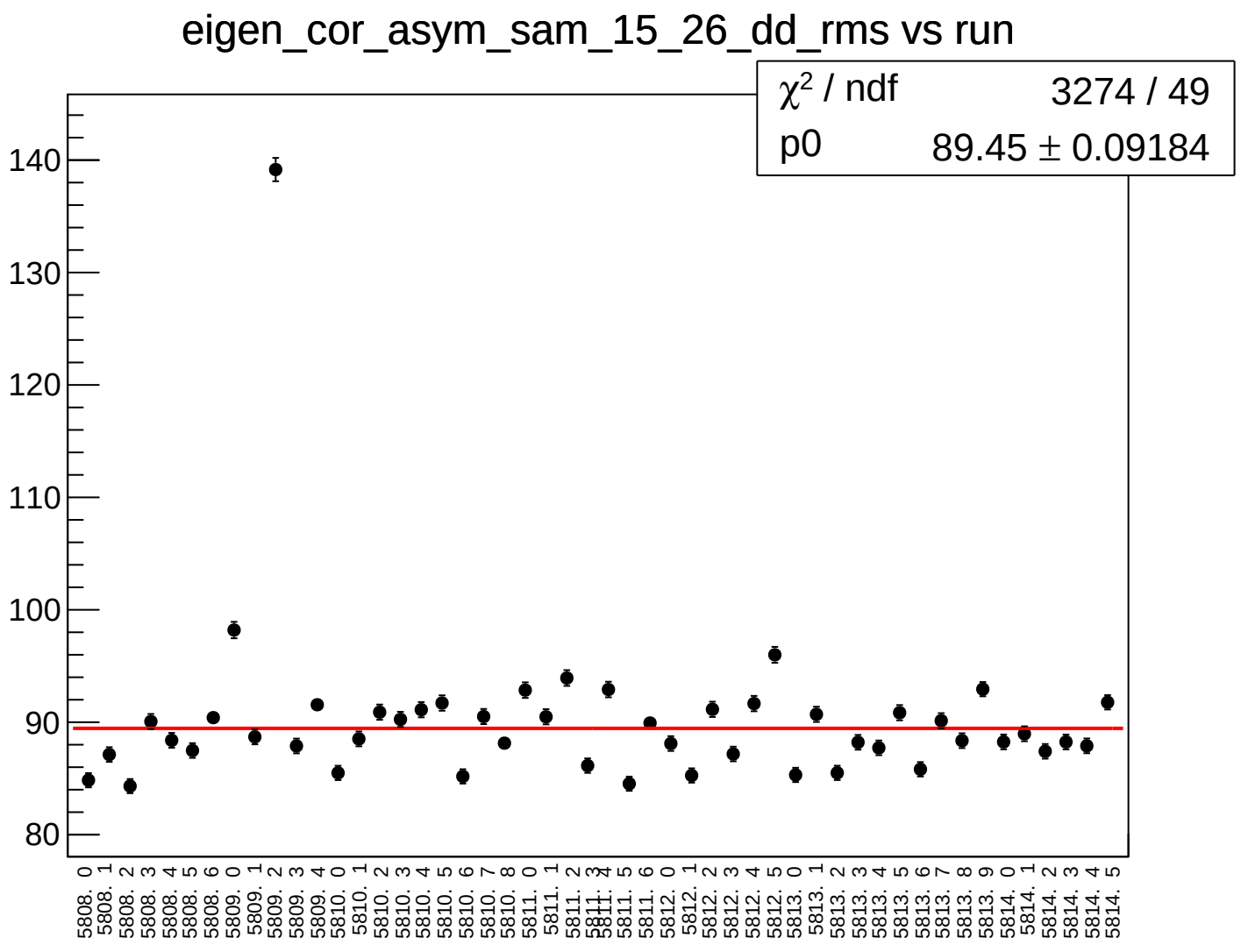
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.03 / 49
p0 162.8 ± 129.9
4000
3000
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1675
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.001764
Std Dev 1.175
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 3274 / 49
p0 89.45 ± 0.09184
140
130
120
110
100
90
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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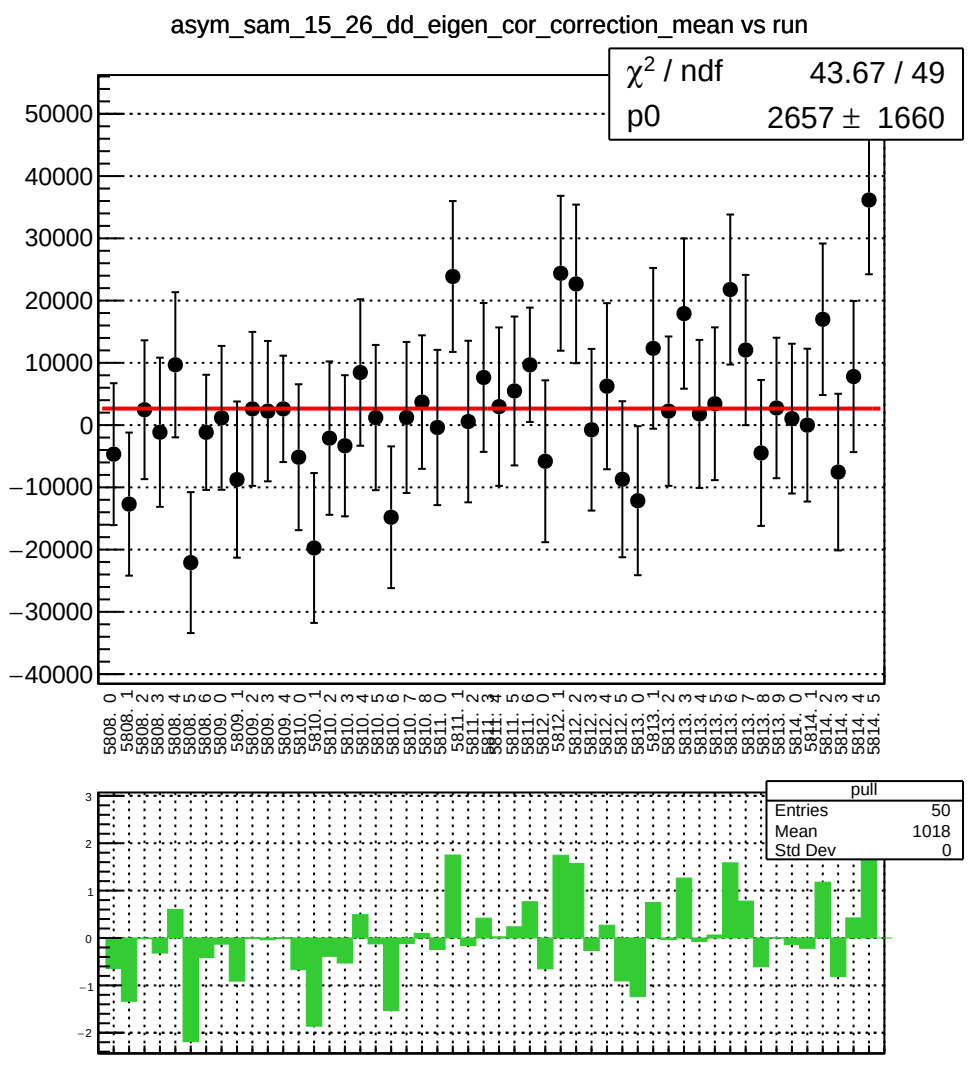
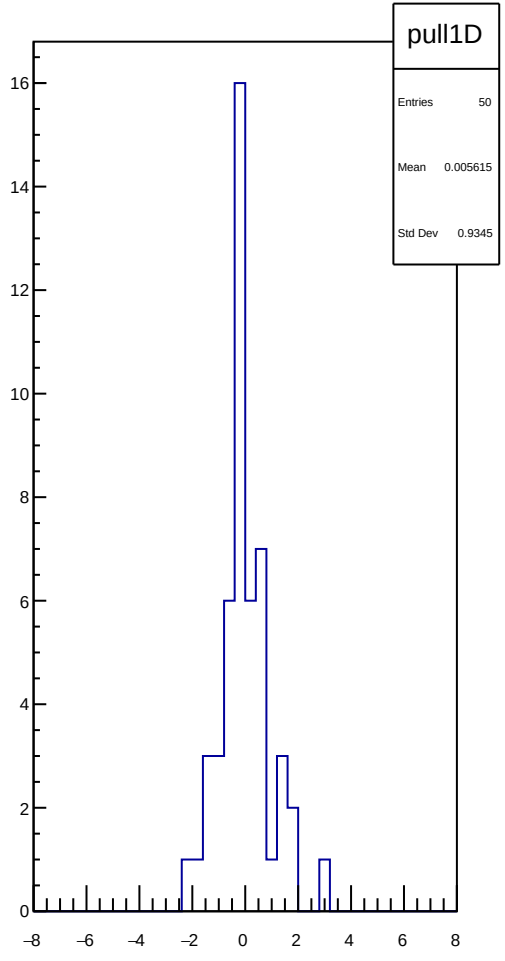
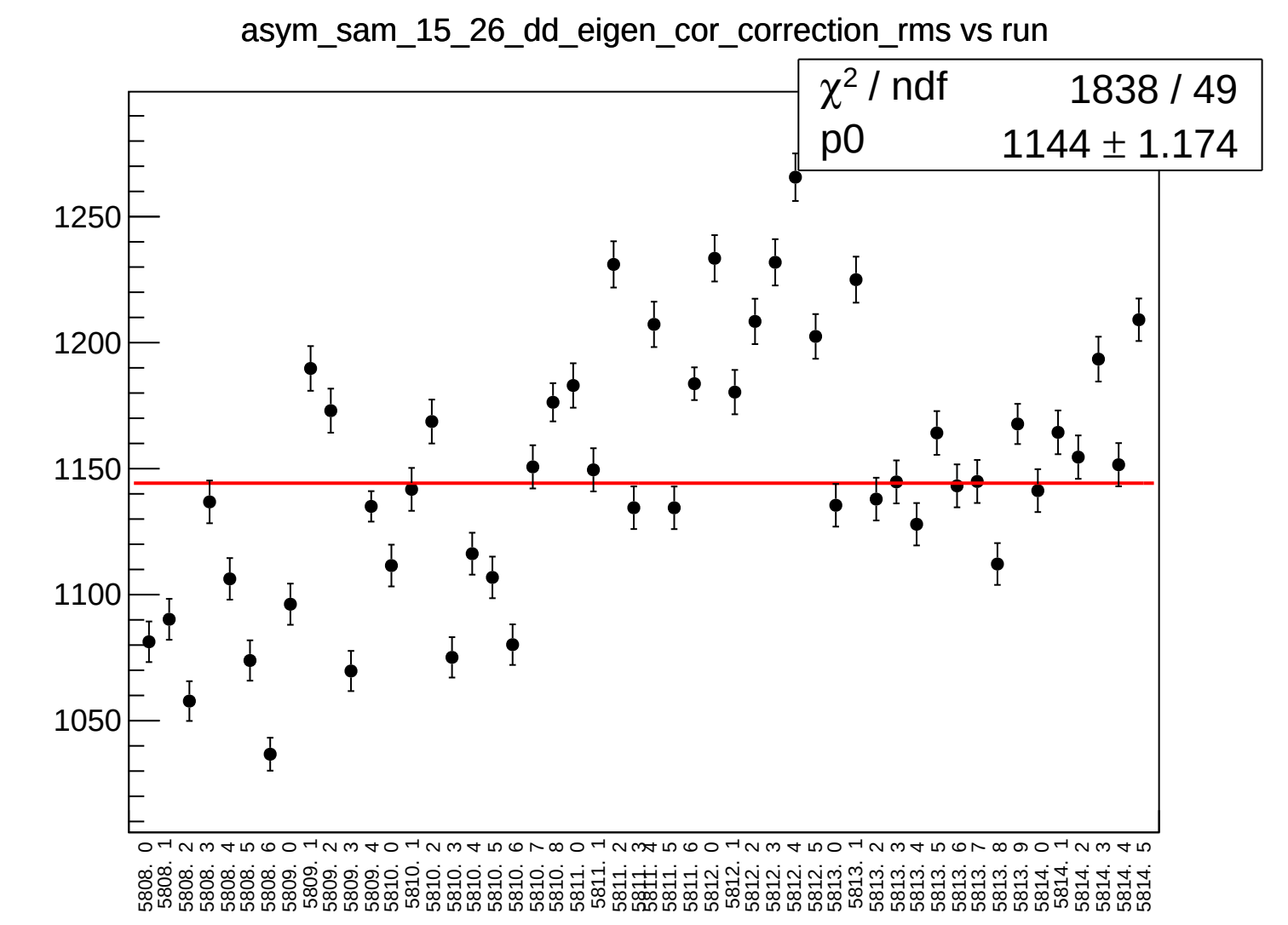
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.67 / 49
p0 2657 ± 1660
pull
Entries 50
Mean 1018
Std Dev 0


pull1D
Entries 50
Mean 0.005615
Std Dev 0.9345


asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1838 / 49
p0 1144 ± 1.174
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
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5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
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5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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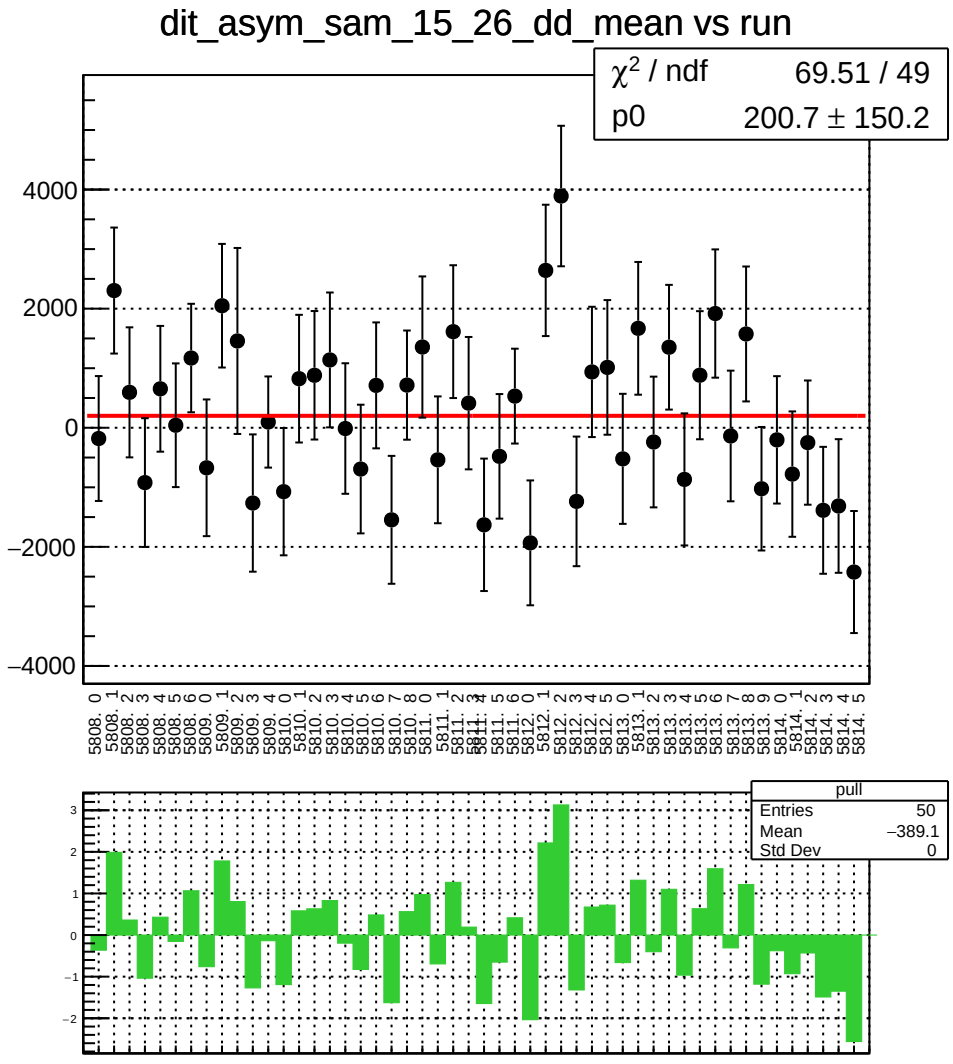
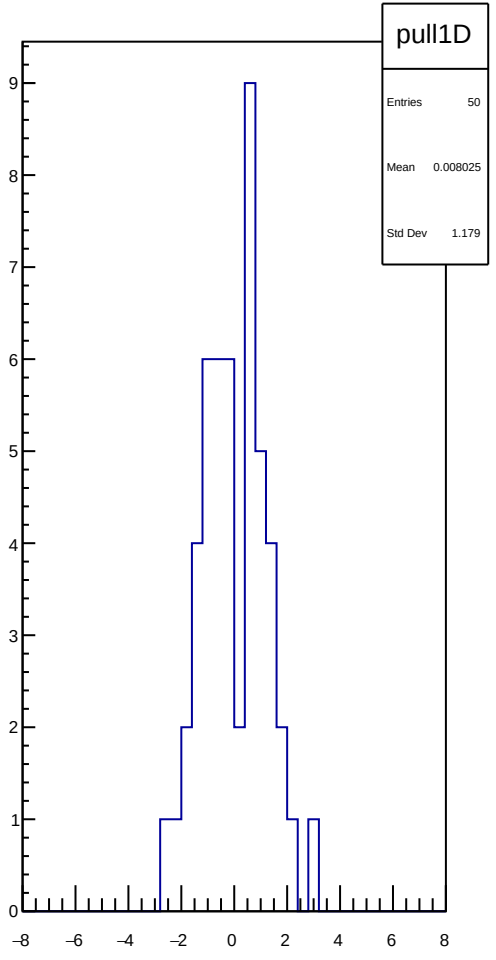
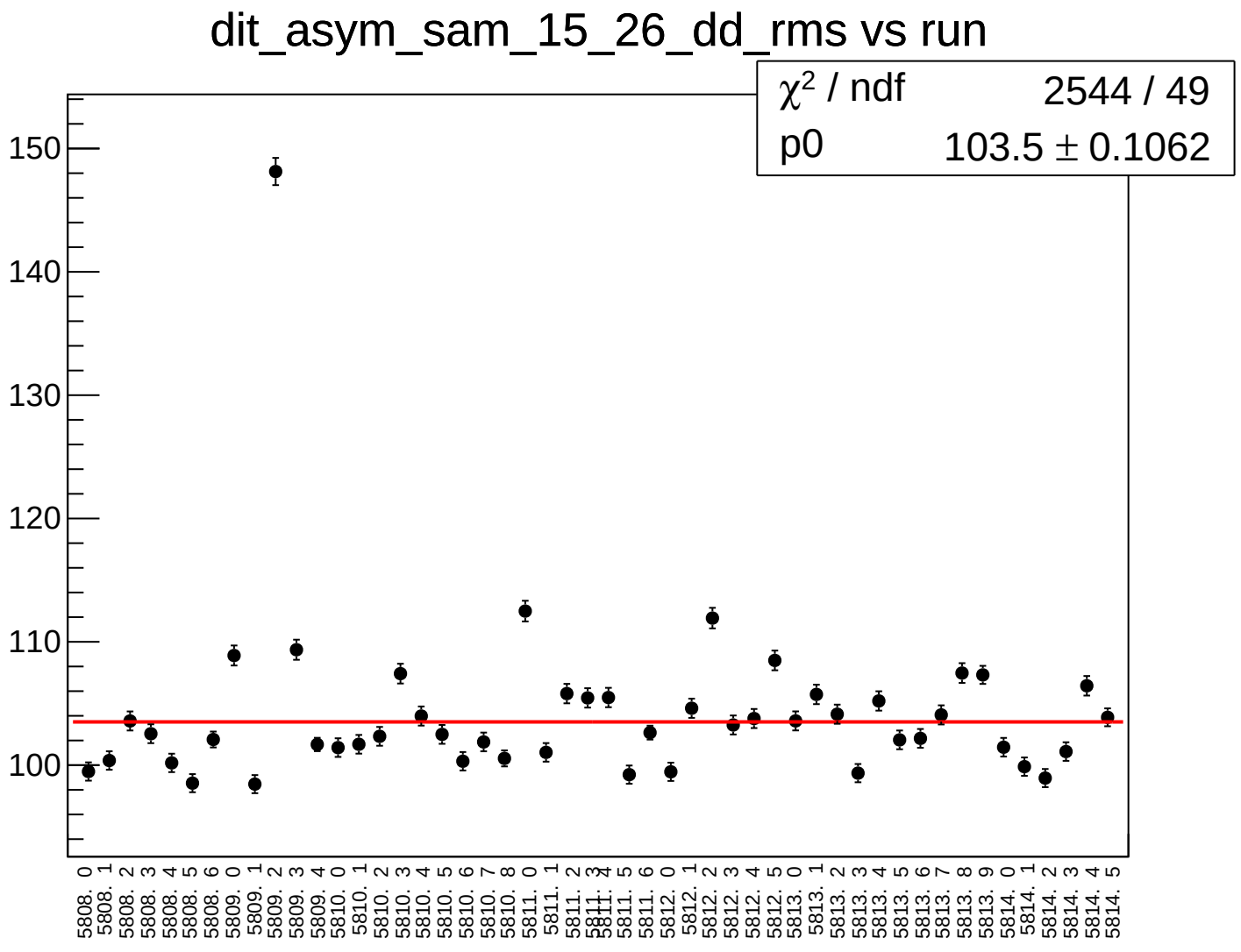
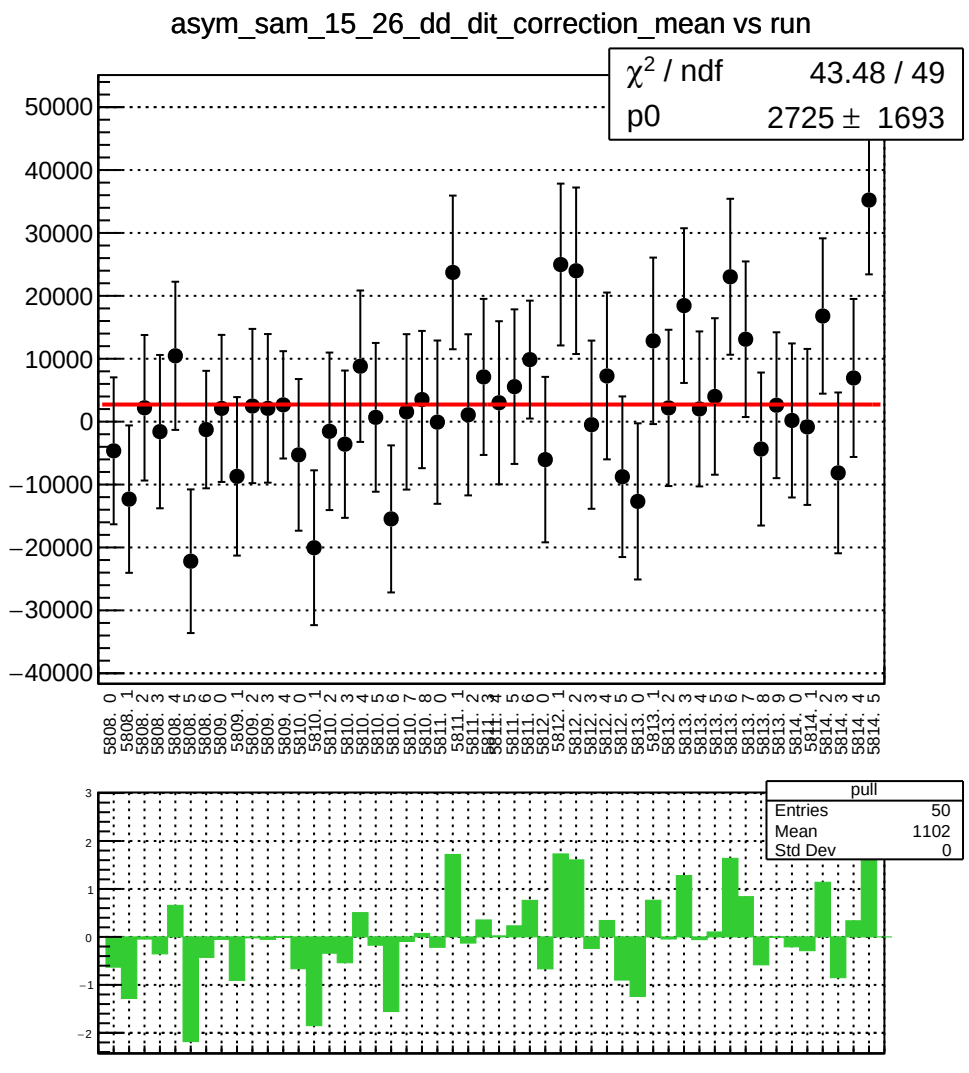
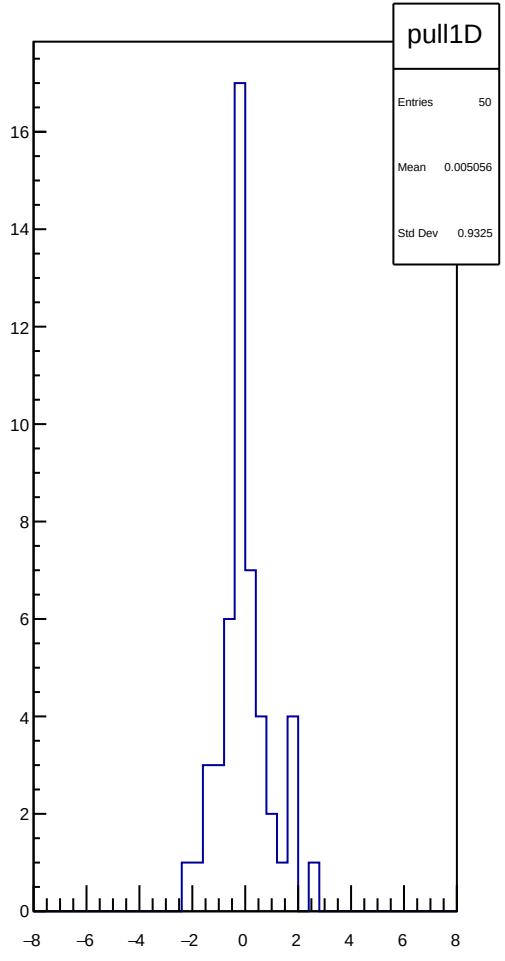
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

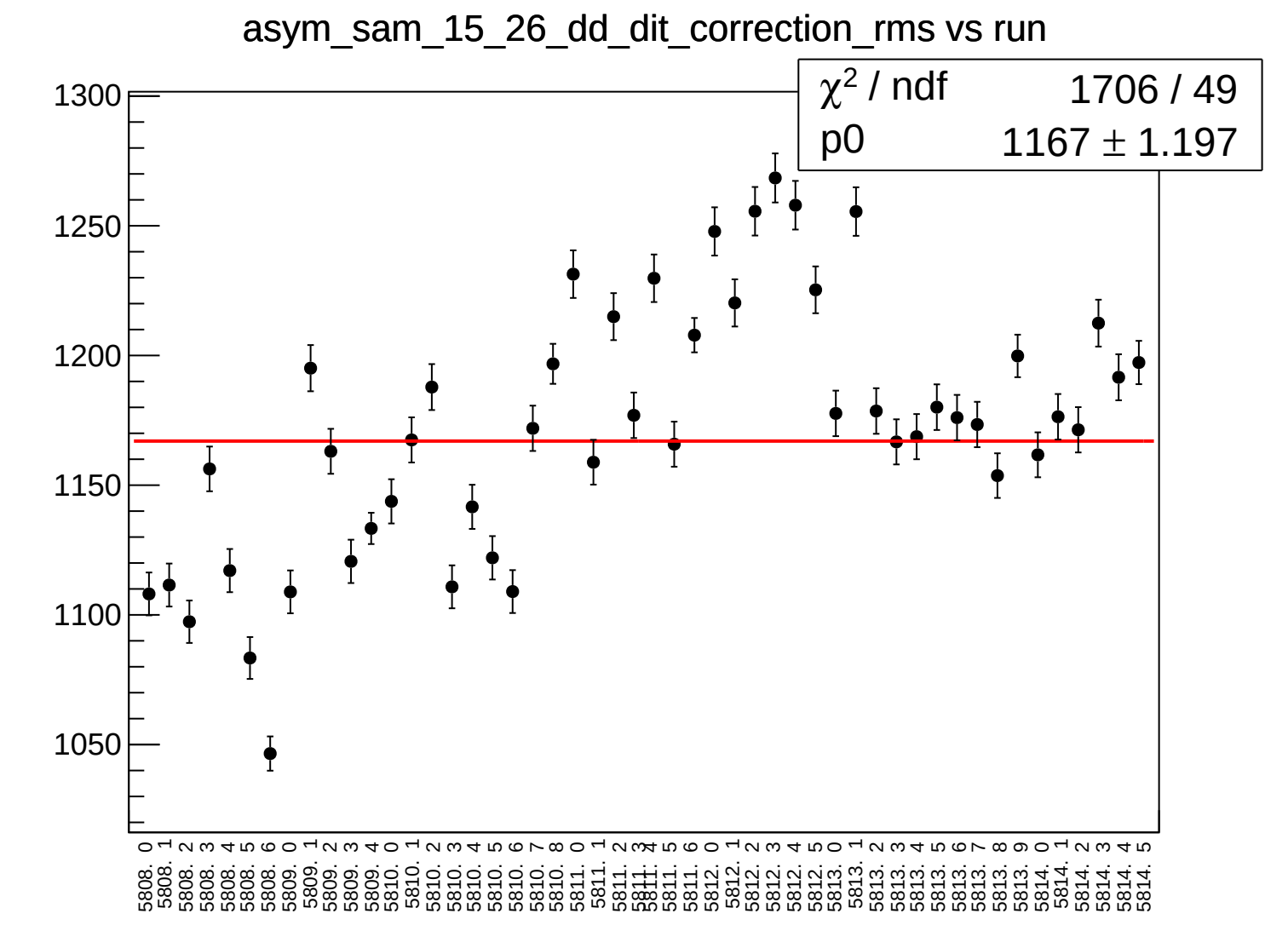

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.51 / 49
p0 200.7 ± 150.2
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −389.1
Std Dev 0
3
2
1
0
−1
−2

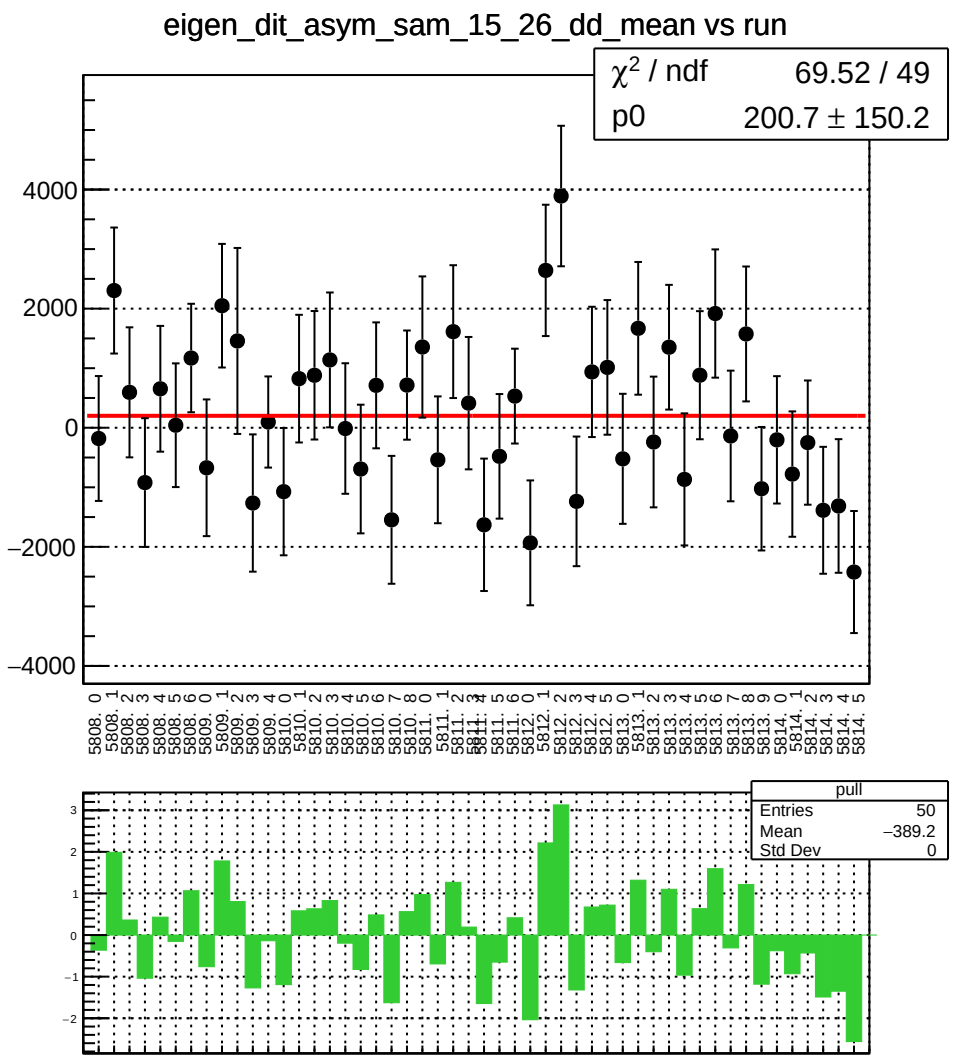

pull1D
Entries 50
Mean 0.008025
Std Dev 1.179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

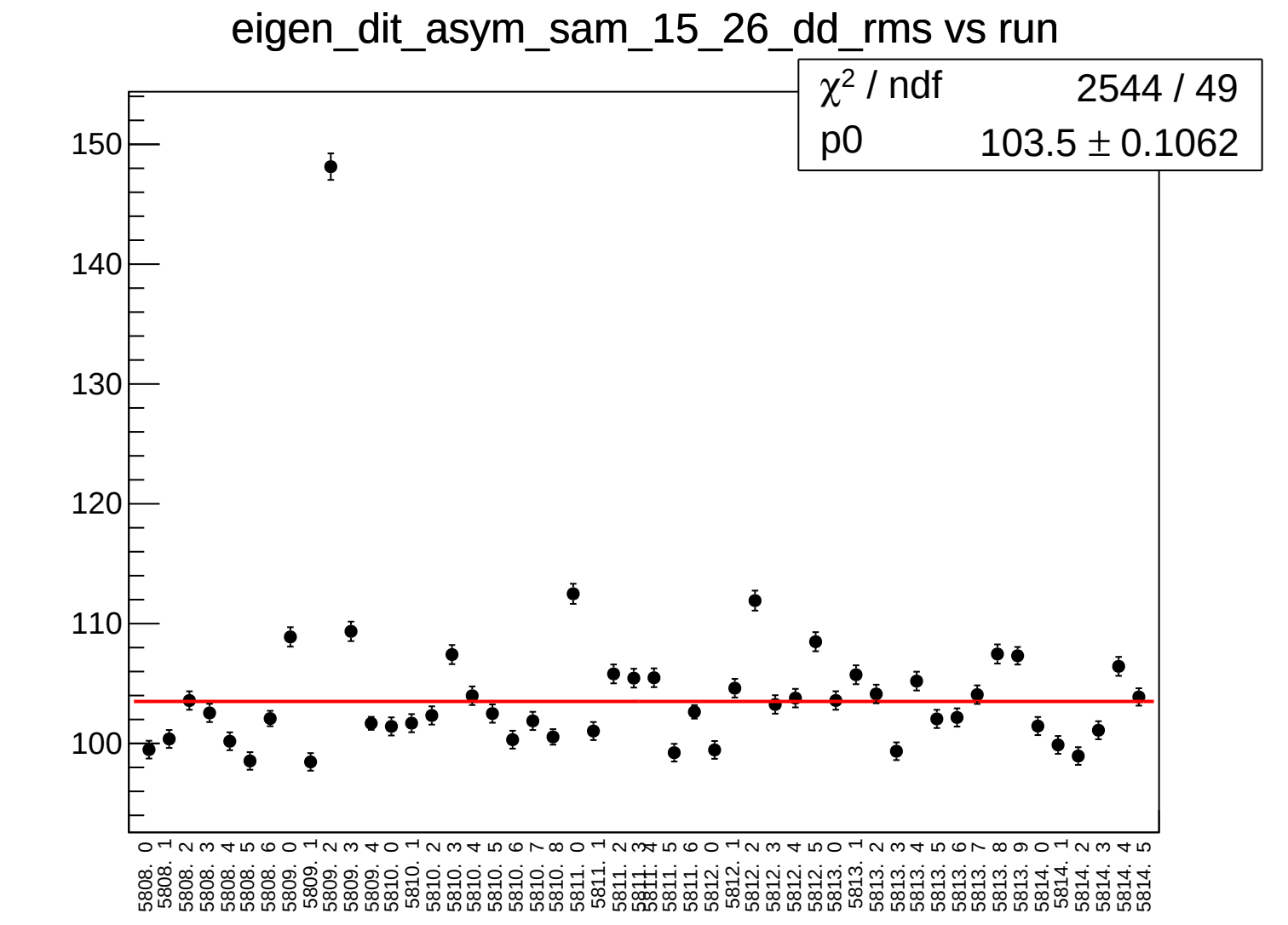

dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2544 / 49
p0 103.5 ± 0.1062
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

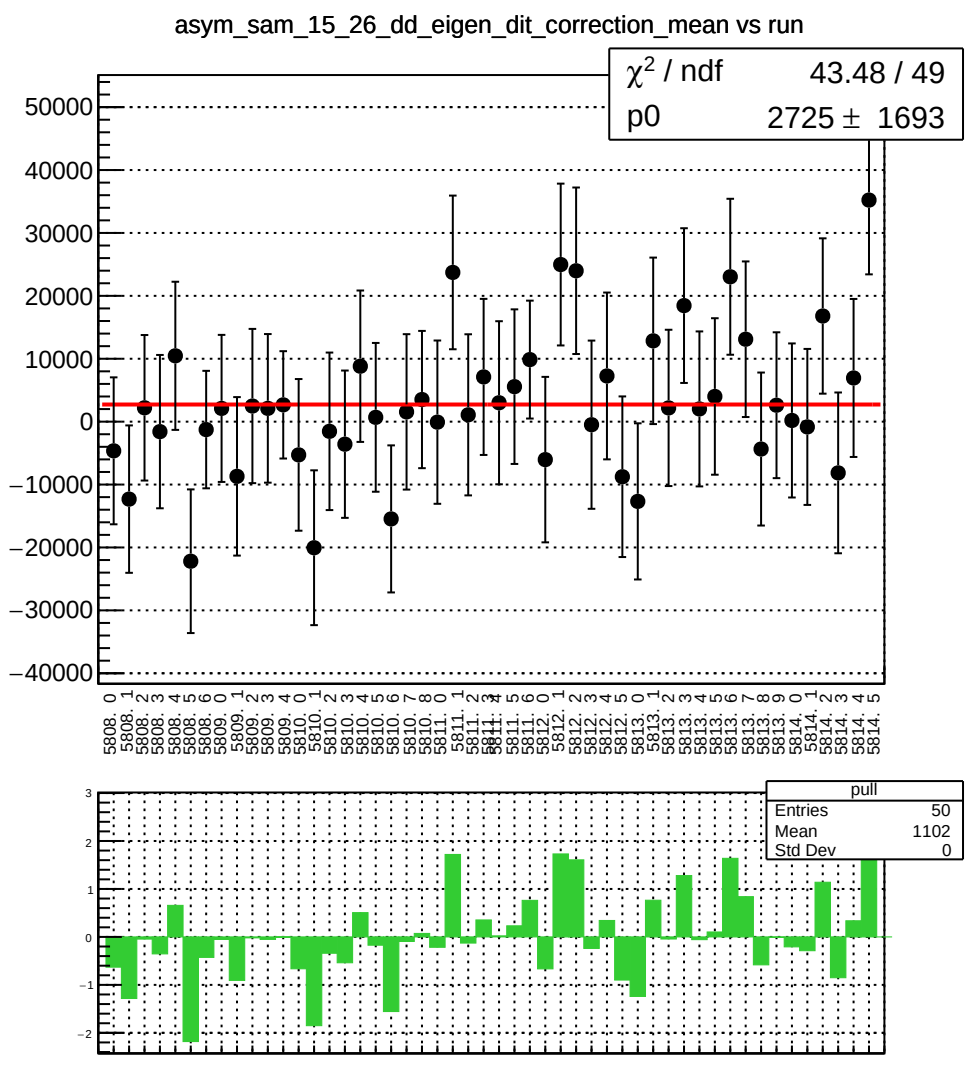

asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 43.48 / 49
p0 2725 ± 1693
pull
Entries 50
Mean 1102
Std Dev 0

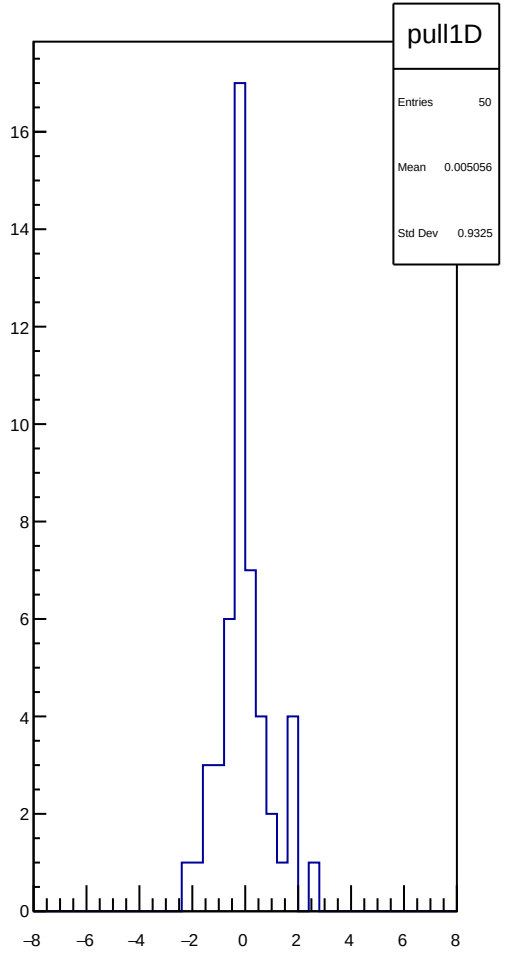

pull1D
Entries 50
Mean 0.005056
Std Dev 0.9325

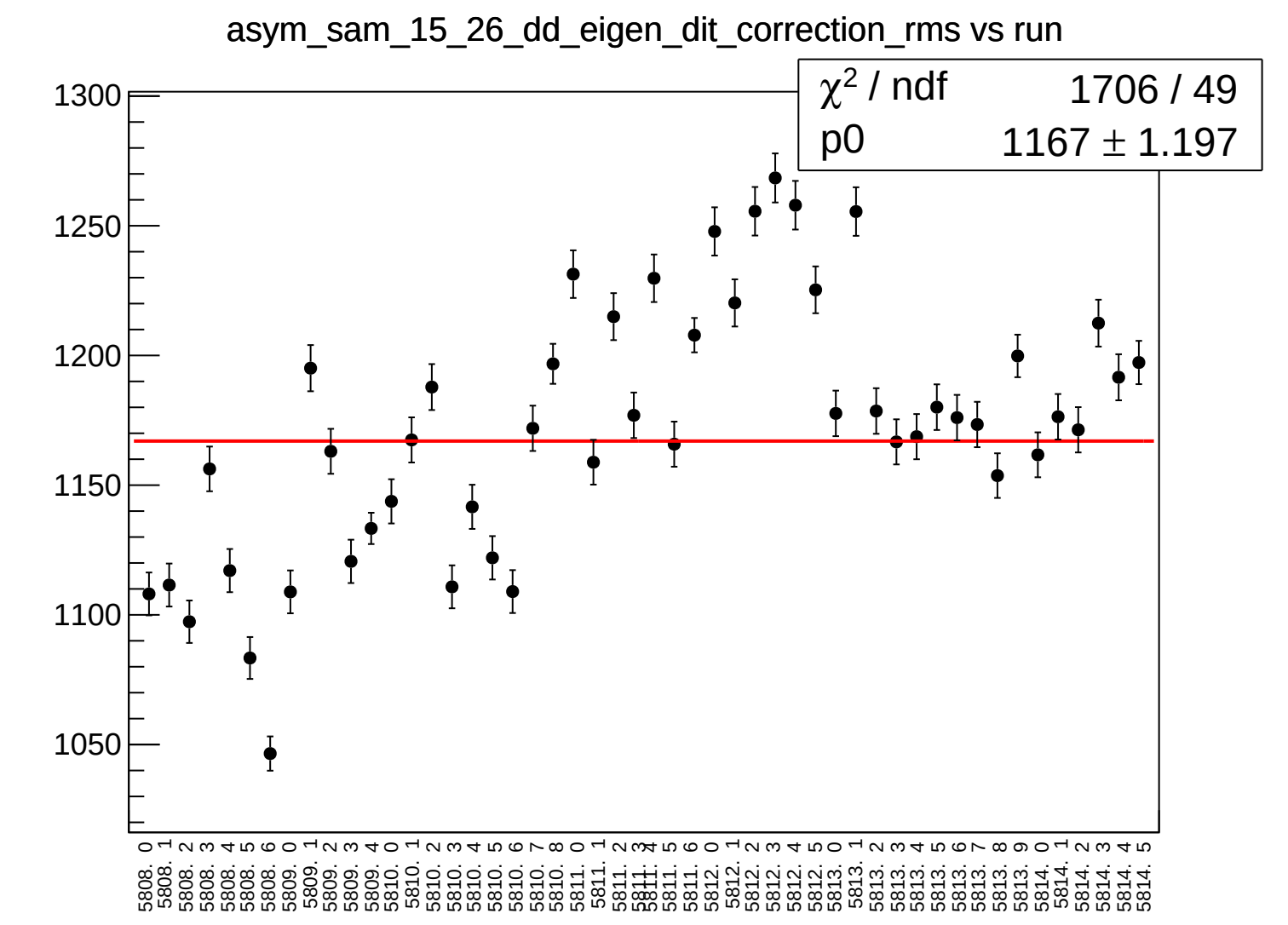

asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 1706 / 49
p0 1167 ± 1.197
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

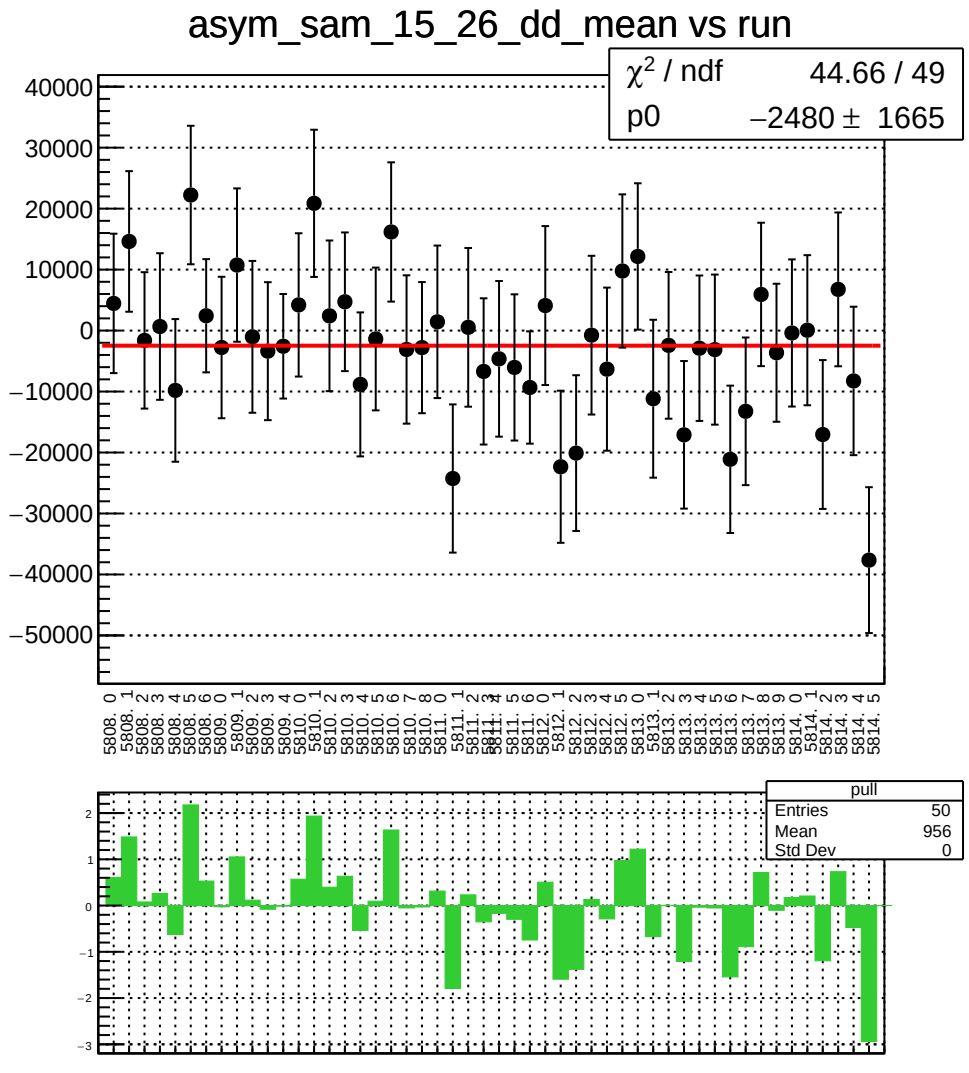

eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 69.52 / 49
p0 200.7 ± 150.2
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −389.2
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.008025
Std Dev 1.179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

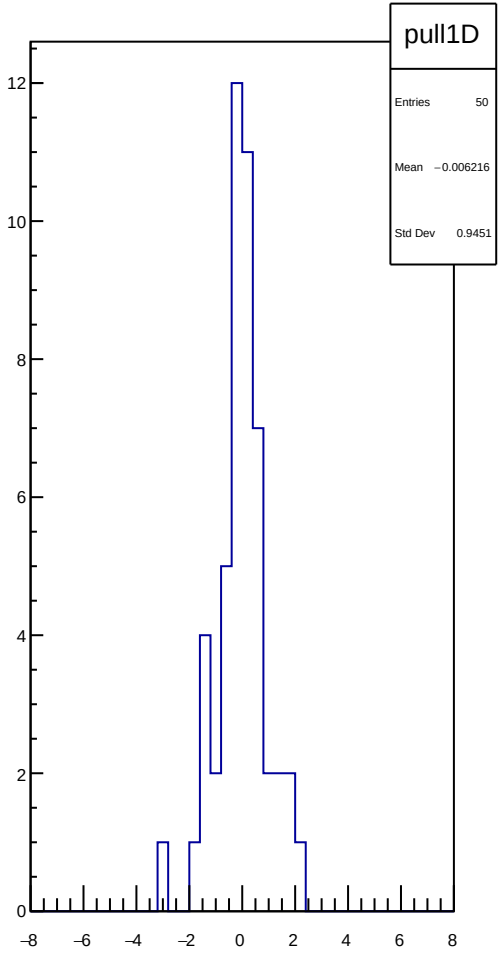

eigen_dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 2544 / 49
p0 103.5 ± 0.1062
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

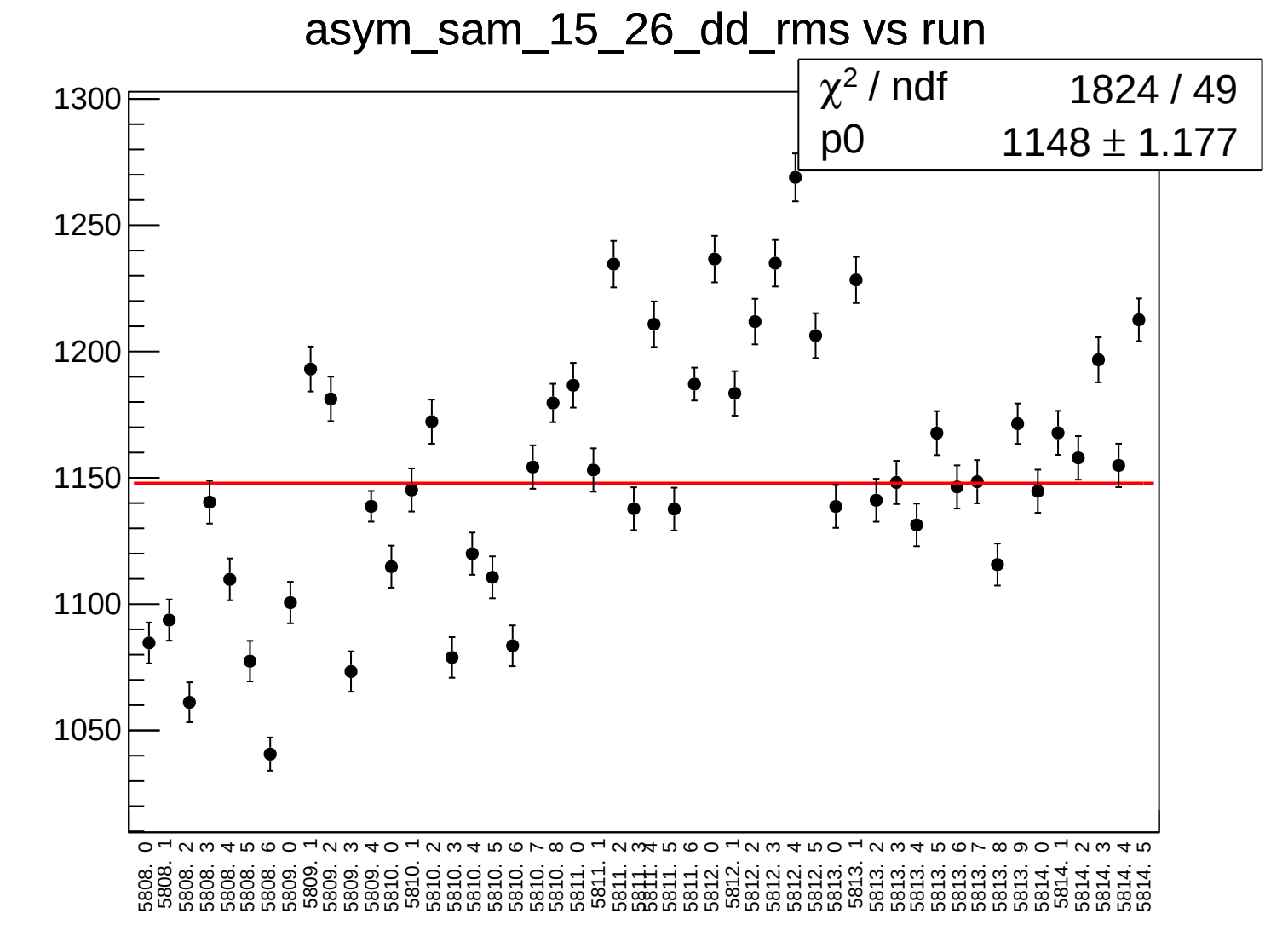

asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.48 / 49
p0 2725 ± 1693
pull
Entries 50
Mean 1102
Std Dev 0

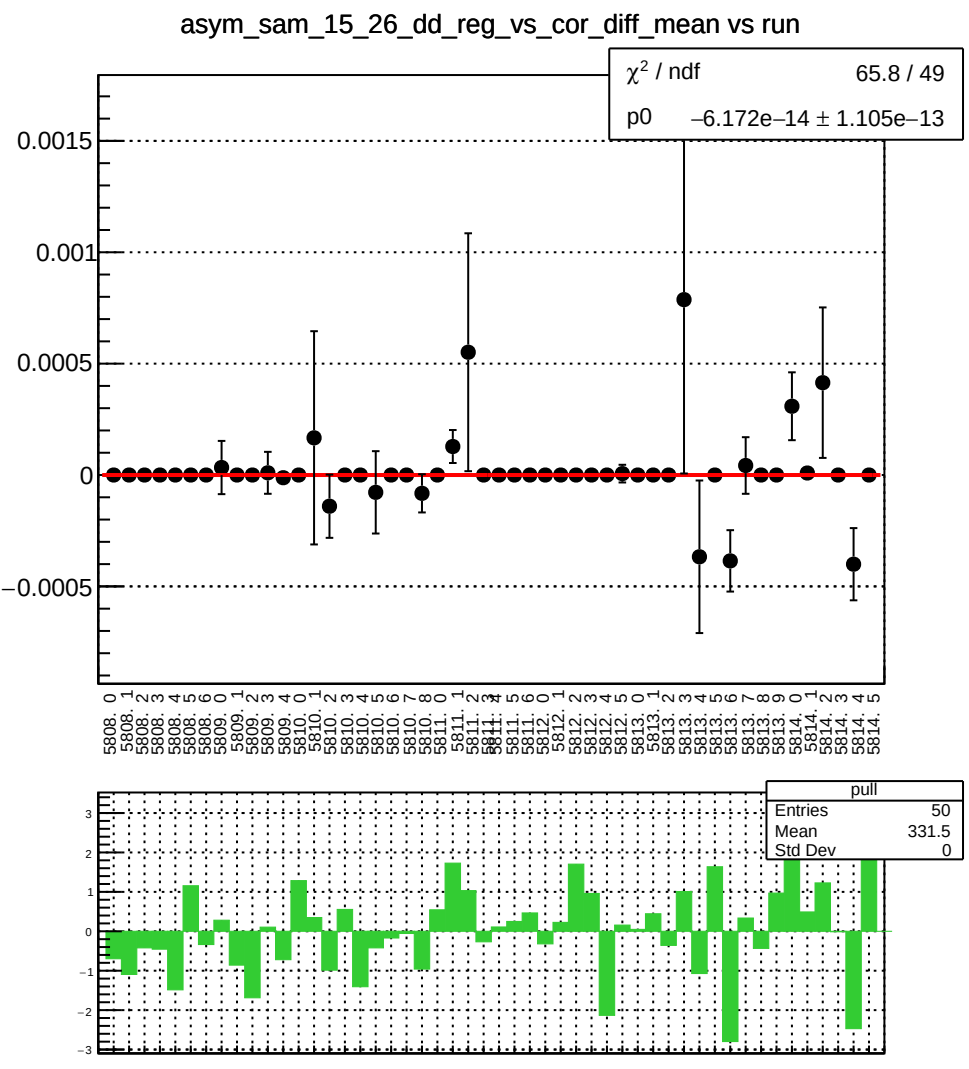

pull1D
Entries 50
Mean 0.005056
Std Dev 0.9325

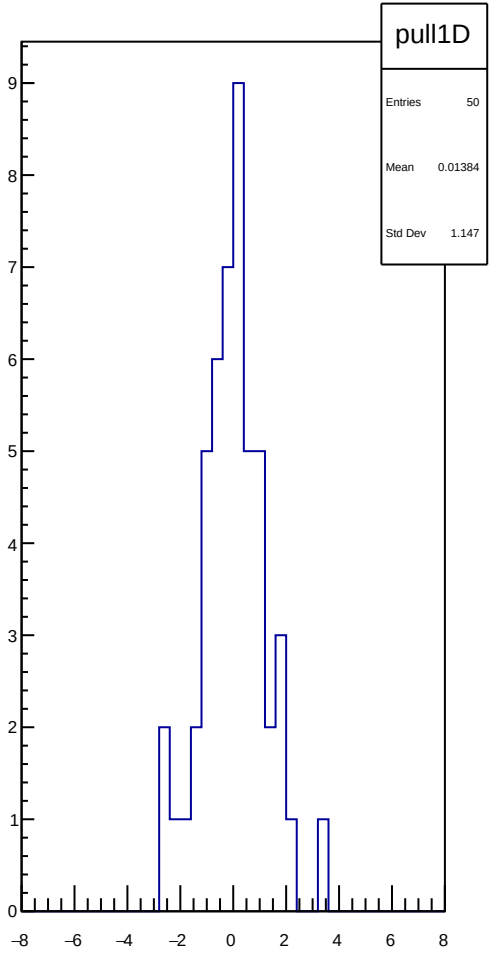

asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1706 / 49
p0 1167 ± 1.197
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

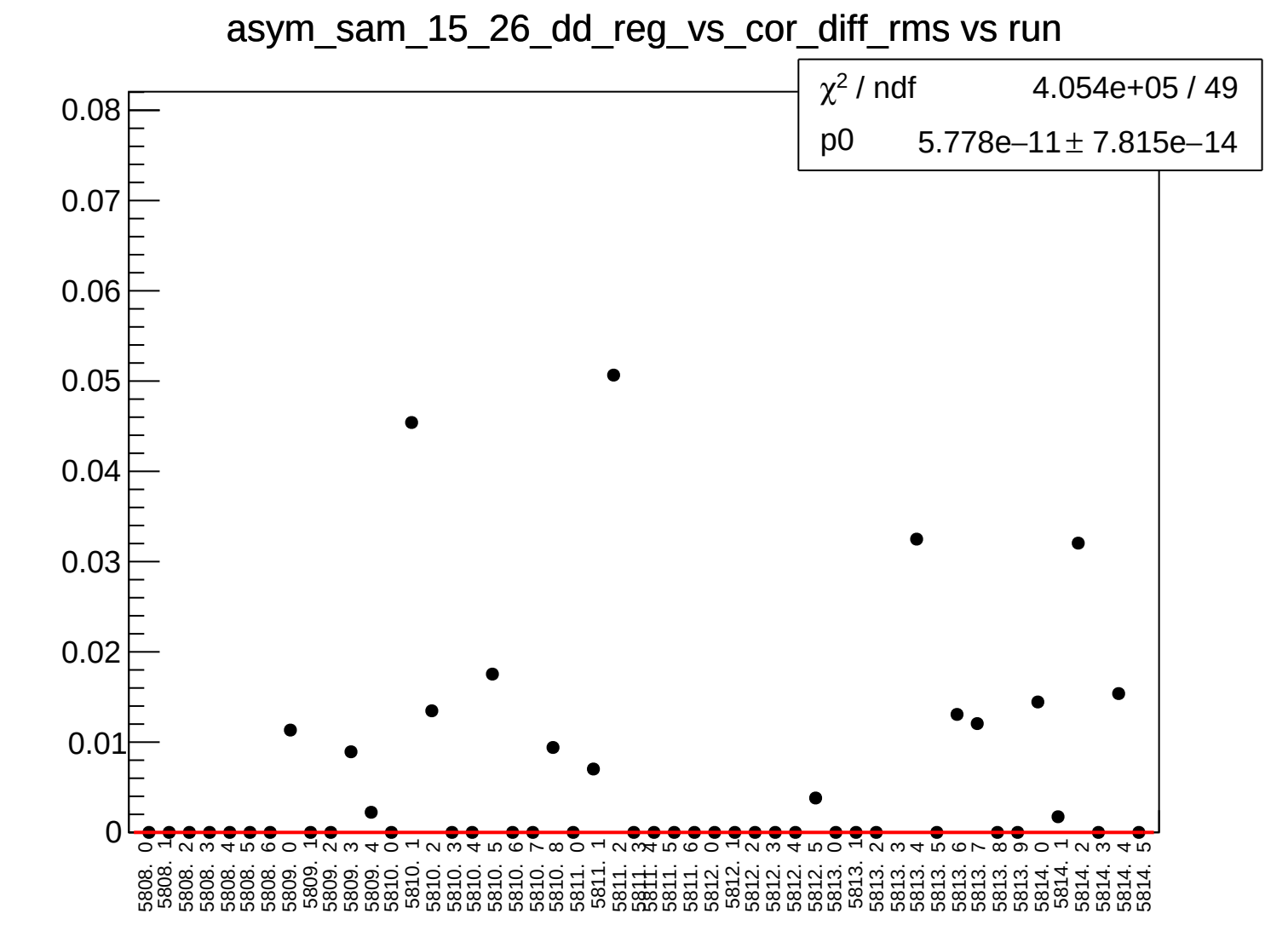

asym_sam_15_26_dd_mean vs run
χ² / ndf 44.66 / 49
p0 −2480 ± 1665
pull
Entries 50
Mean 956
Std Dev 0


pull1D
Entries 50
Mean −0.006216
Std Dev 0.9451


asym_sam_15_26_dd_rms vs run
χ² / ndf 1824 / 49
p0 1148 ± 1.177
1300
1250
1200
1150
1100
1050
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 65.8 / 49
p0 −6.172e−14 ± 1.105e−13
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 50
Mean 331.5
Std Dev 0


pull1D
Entries 50
Mean 0.01384
Std Dev 1.147


asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.054e+05 / 49
p0 5.778e−11 ± 7.815e−14
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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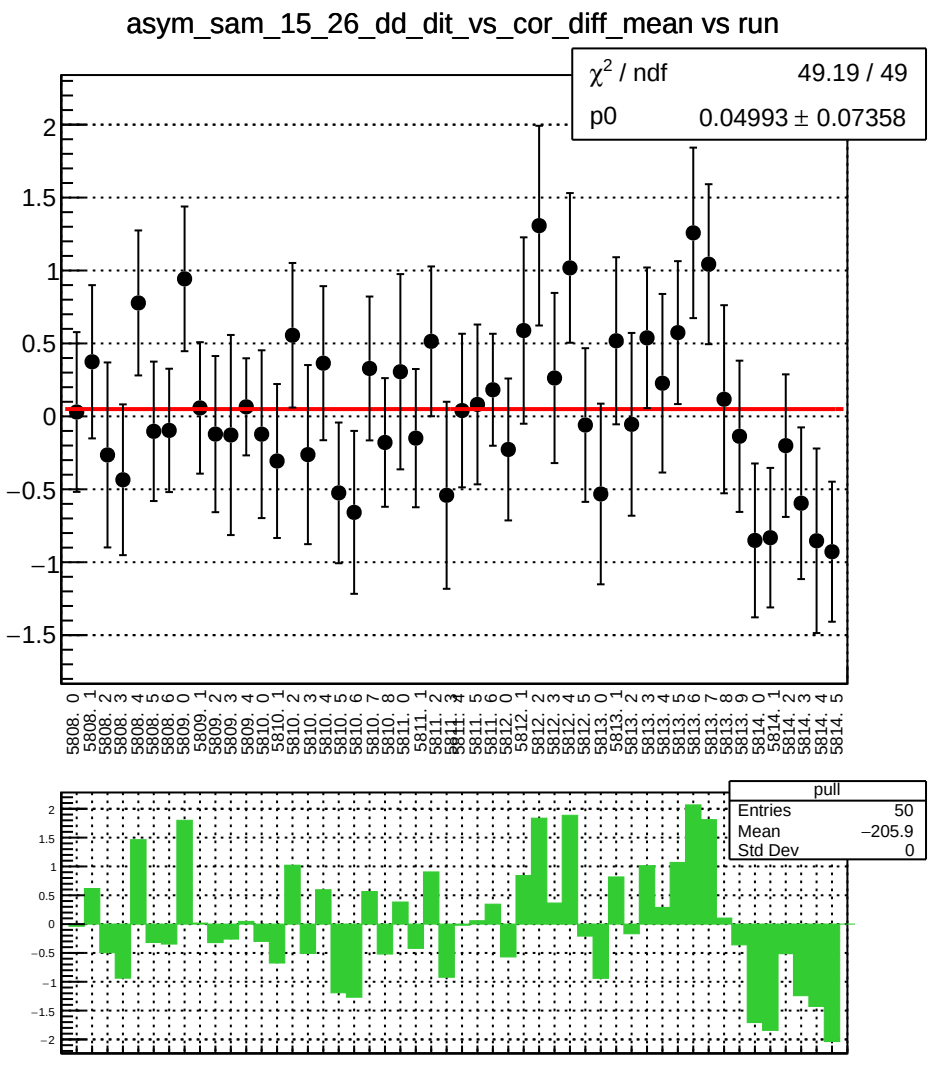
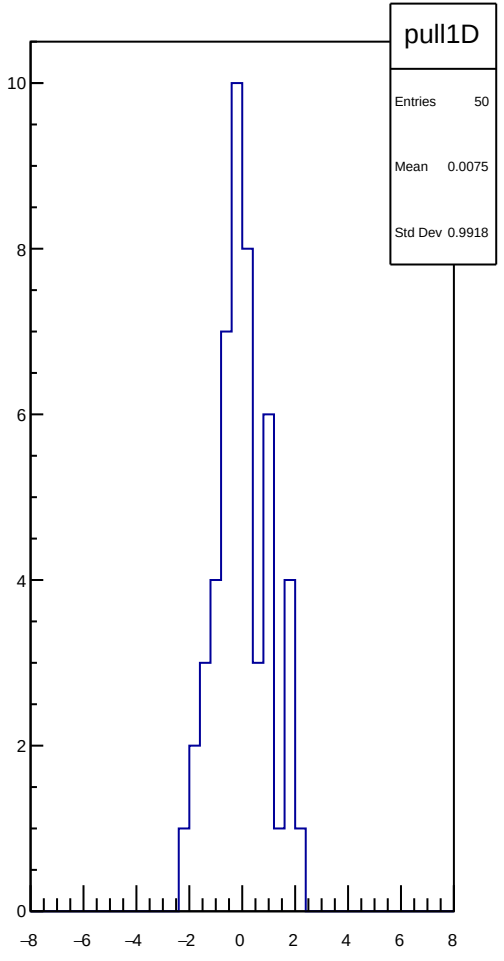
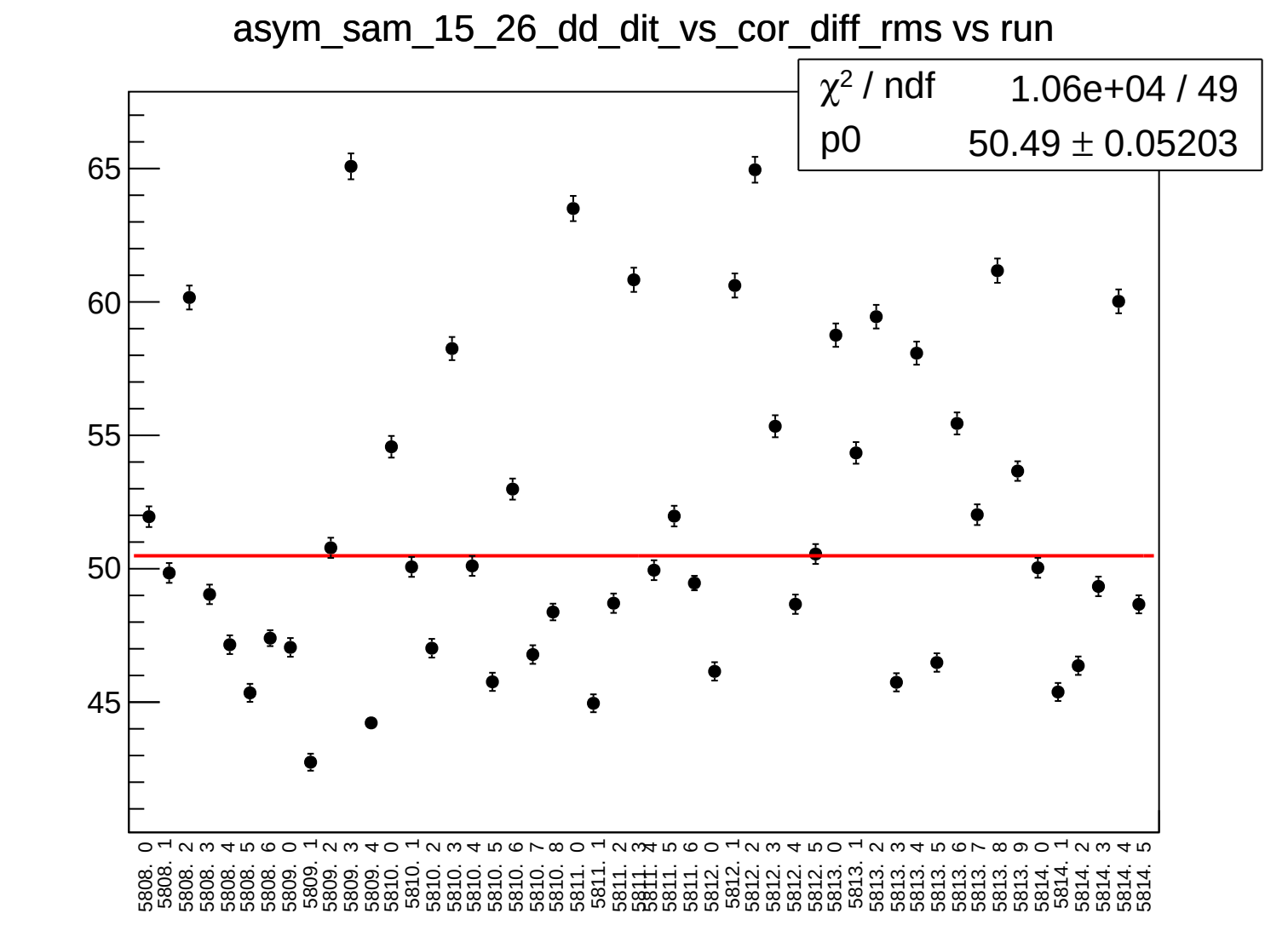
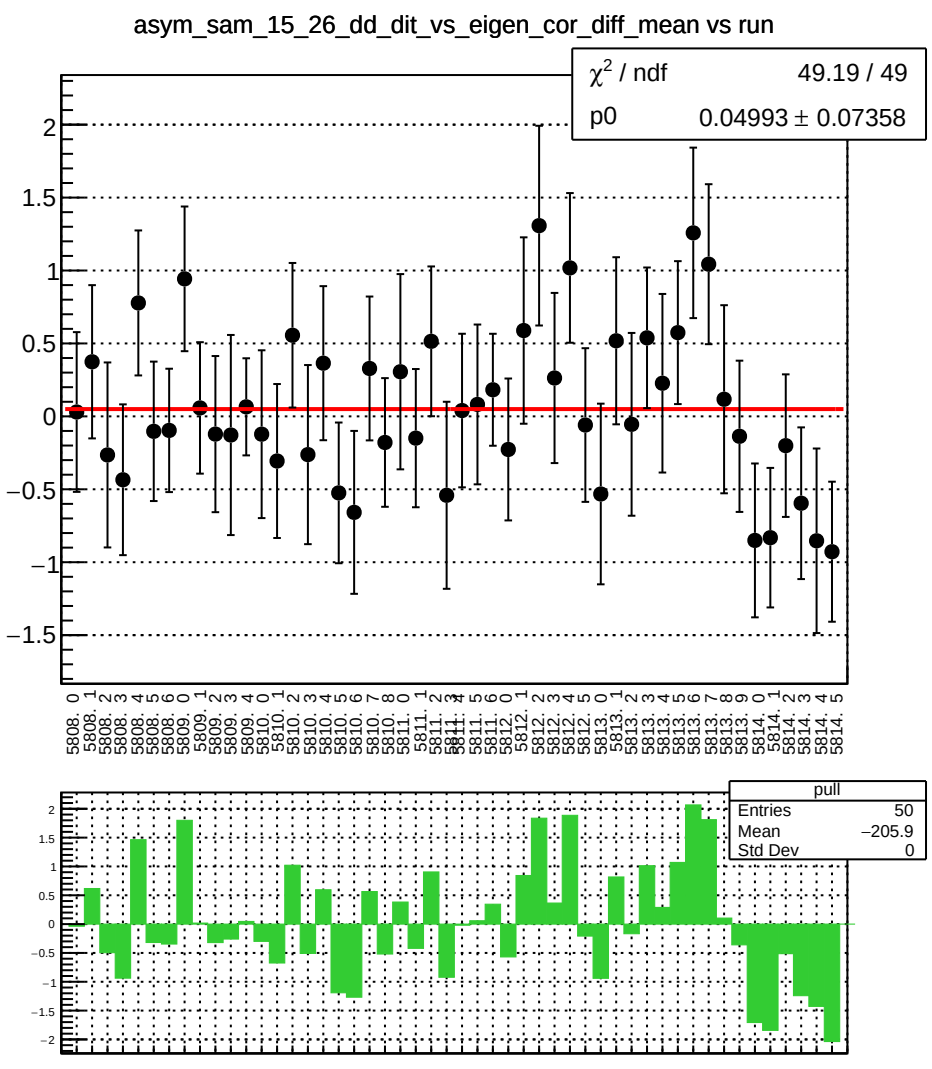
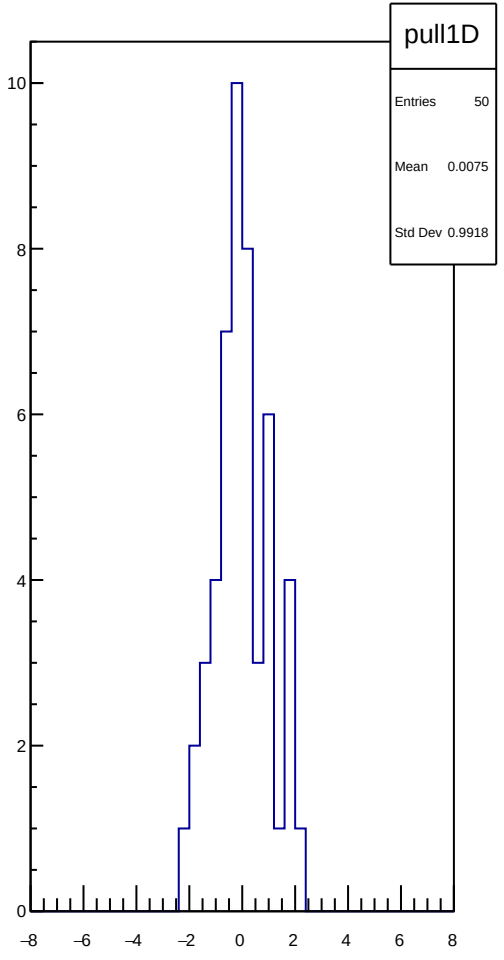
5814. 5

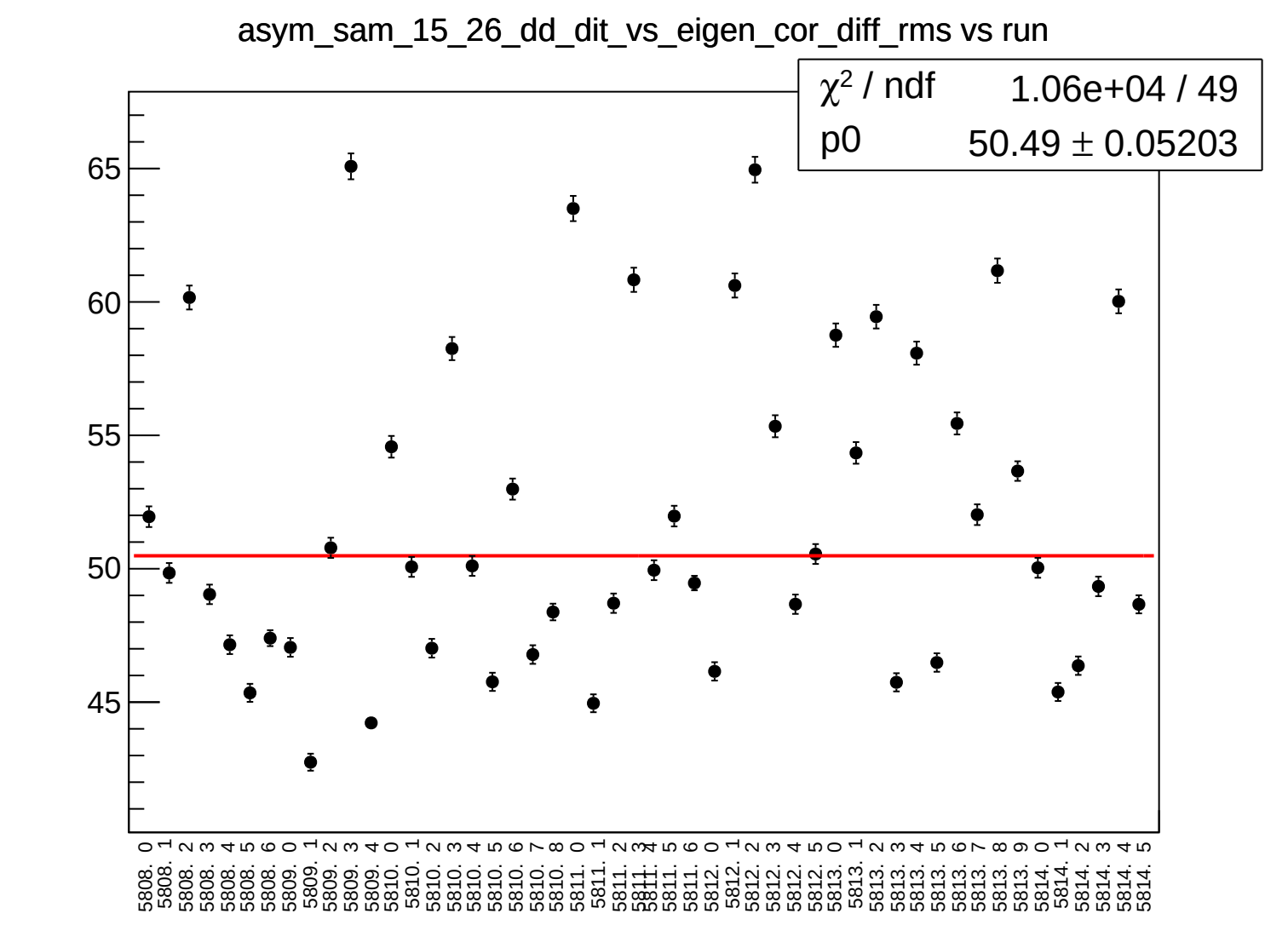

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 49
p0 0.04993 ± 0.07358
pull
Entries 50
Mean −205.9
Std Dev 0


pull1D
Entries 50
Mean 0.0075
Std Dev 0.9918


asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.06e+04 / 49
p0 50.49 ± 0.05203
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 49
p0 0.04993 ± 0.07358
pull
Entries 50
Mean −205.9
Std Dev 0


pull1D
Entries 50
Mean 0.0075
Std Dev 0.9918


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.06e+04 / 49
p0 50.49 ± 0.05203
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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5813. 8
5813. 9
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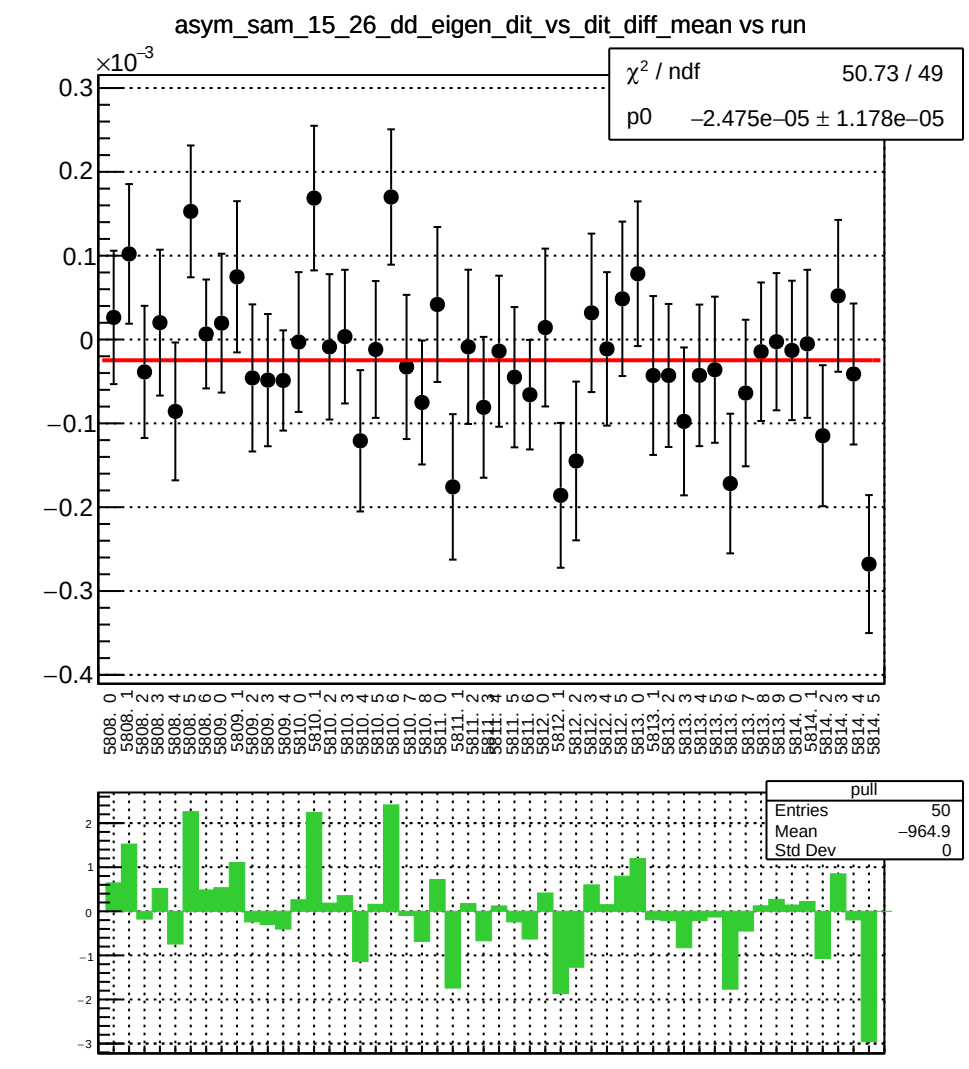
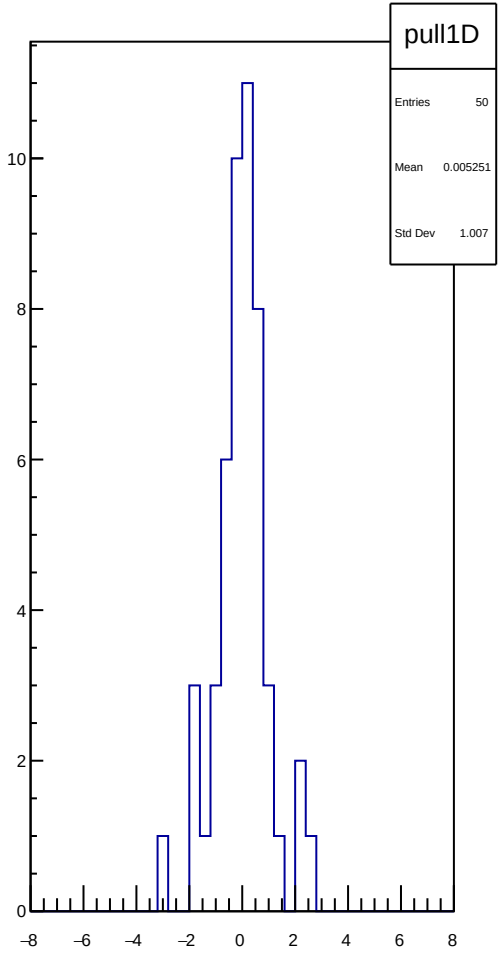
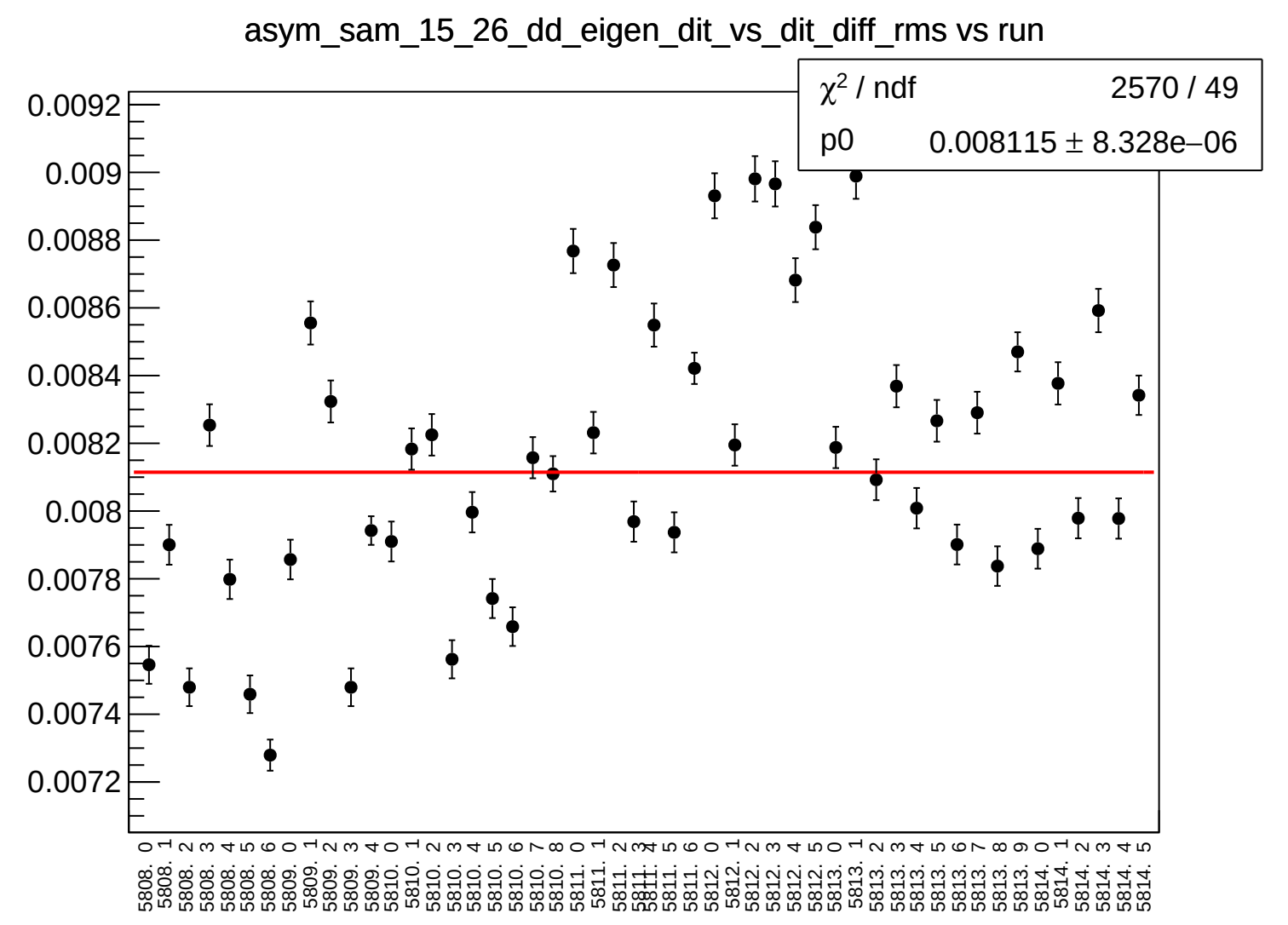
5814. 5


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 50.73 / 49
p0 −2.475e−05 ± 1.178e−05
pull
Entries 50
Mean −964.9
Std Dev 0


pull1D
Entries 50
Mean 0.005251
Std Dev 1.007


asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2570 / 49
p0 0.008115 ± 8.328e−06
0.0092
0.009
0.0088
0.0086
0.0084
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
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5813. 0
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5813. 3
5813. 4
5813. 5
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5813. 9
5814. 0
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5814. 2
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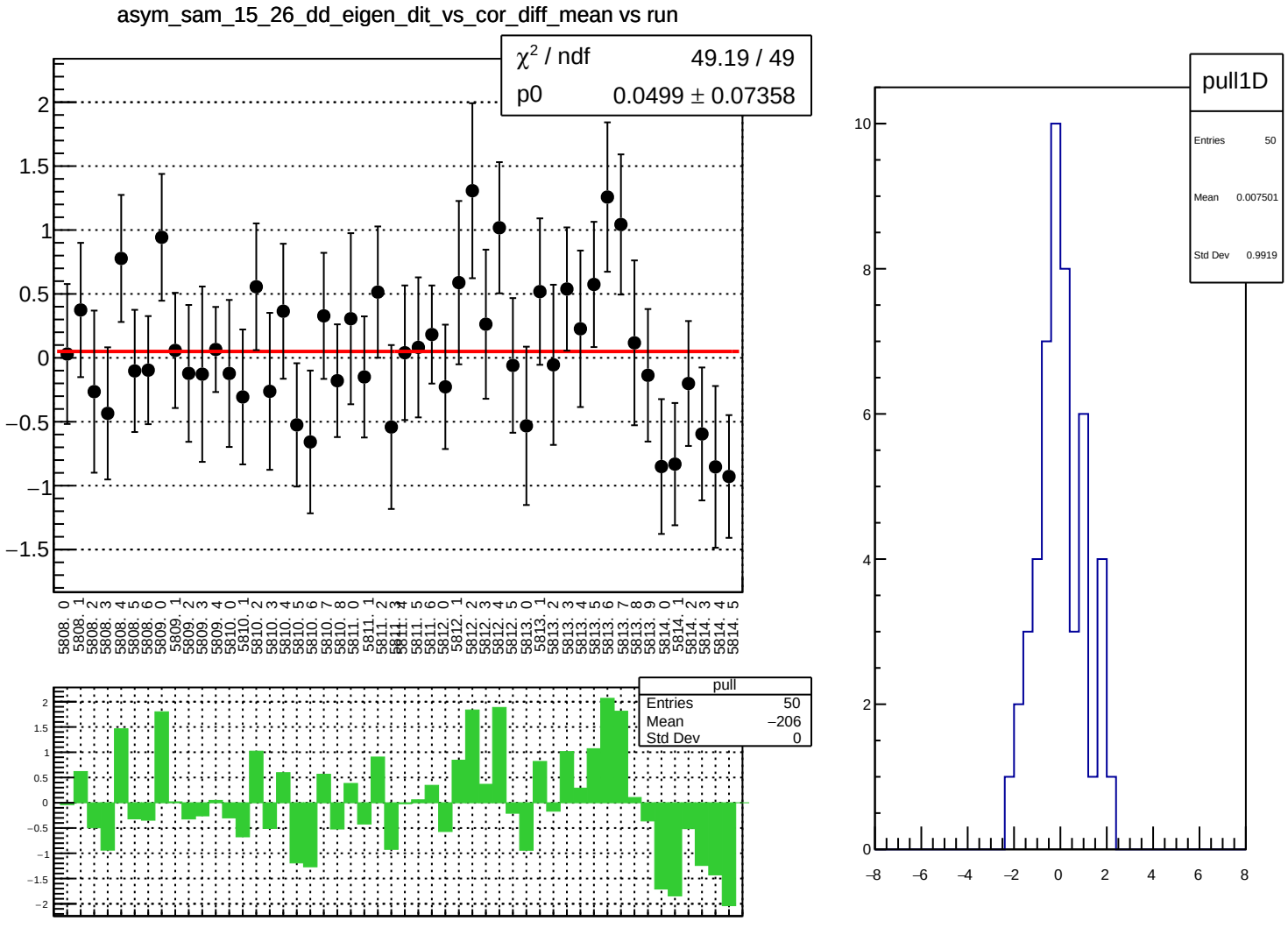
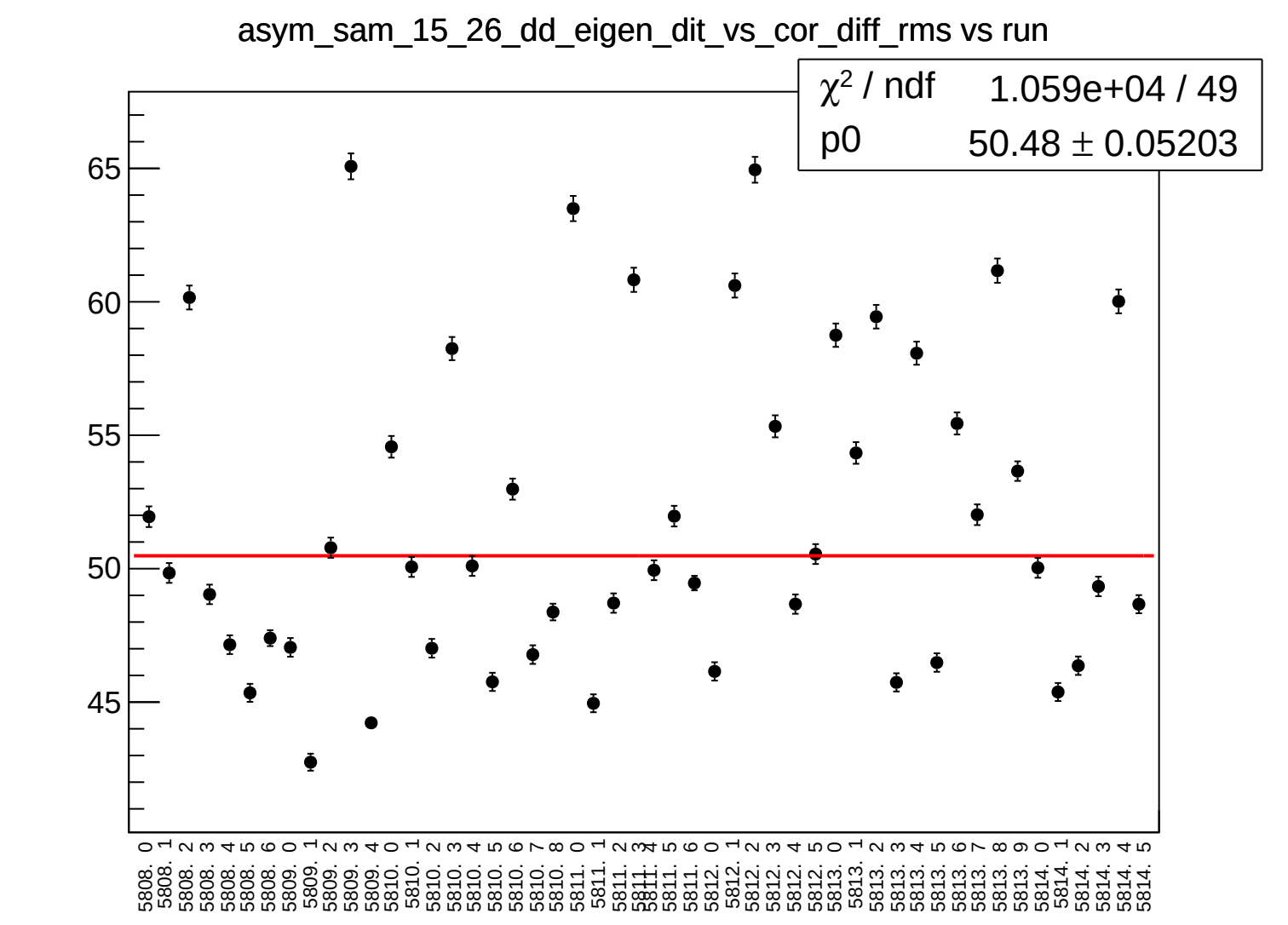
5814. 4
5814. 5


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.19 / 49
p0 0.0499 ± 0.07358
pull
Entries 50
Mean −206
Std Dev 0
pull1D
Entries 50
Mean 0.007501
Std Dev 0.9919


asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.059e+04 / 49
p0 50.48 ± 0.05203
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 6
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5810. 8
5811. 0
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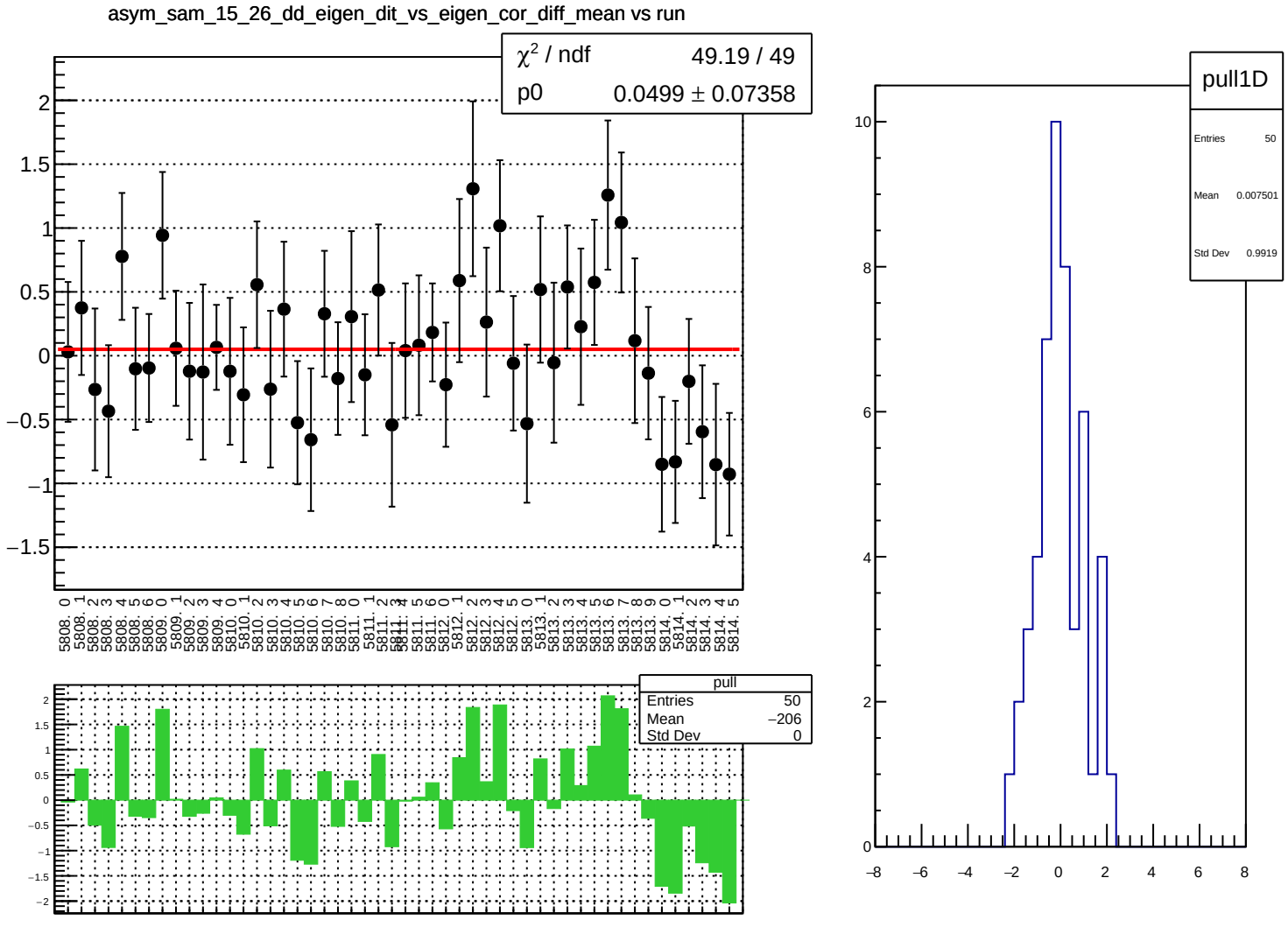
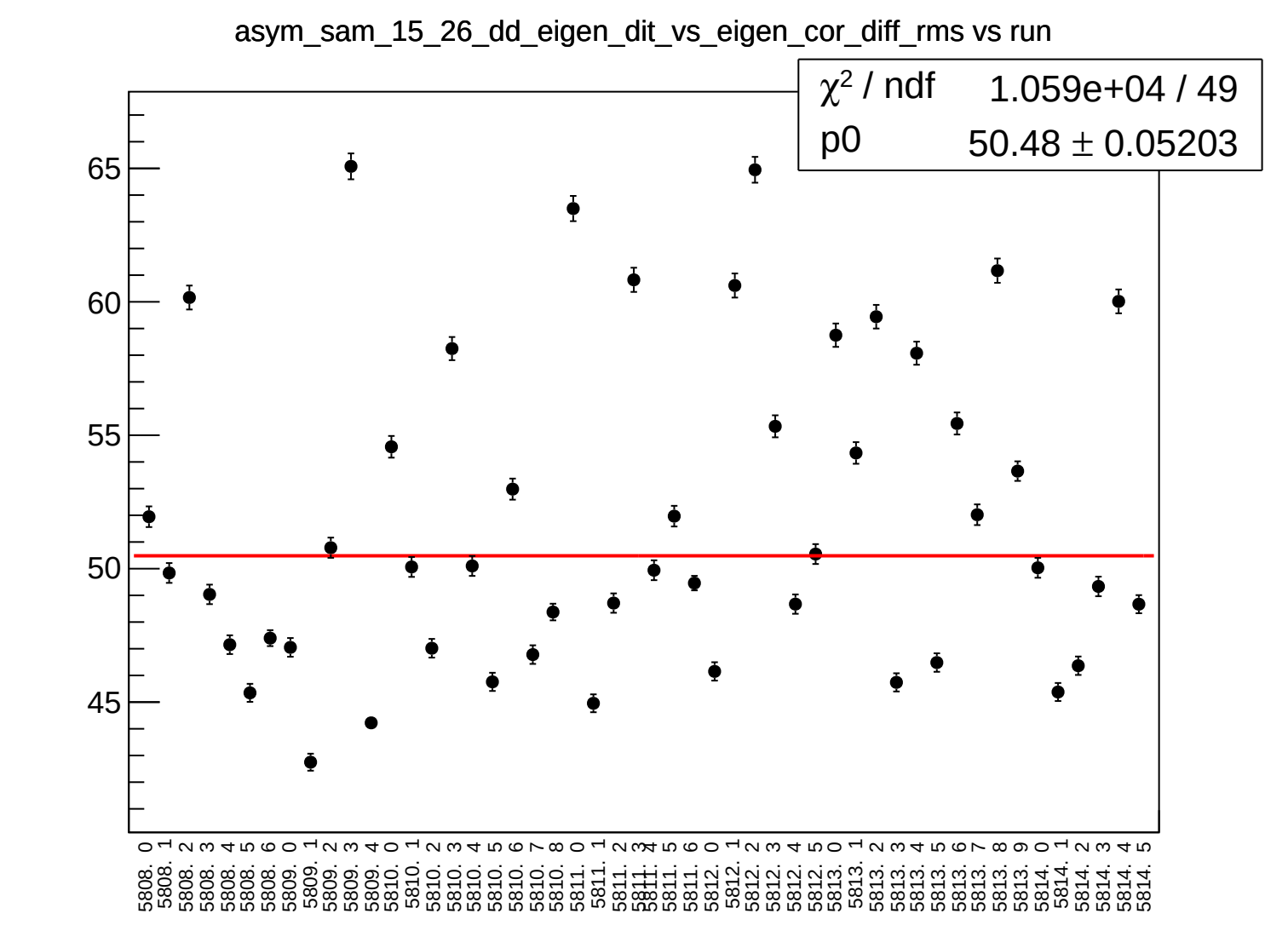
5814. 4
5814. 5


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.19 / 49
p0 0.0499 ± 0.07358
pull
Entries 50
Mean −206
Std Dev 0
pull1D
Entries 50
Mean 0.007501
Std Dev 0.9919


asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.059e+04 / 49
p0 50.48 ± 0.05203
65
60
55
50
45
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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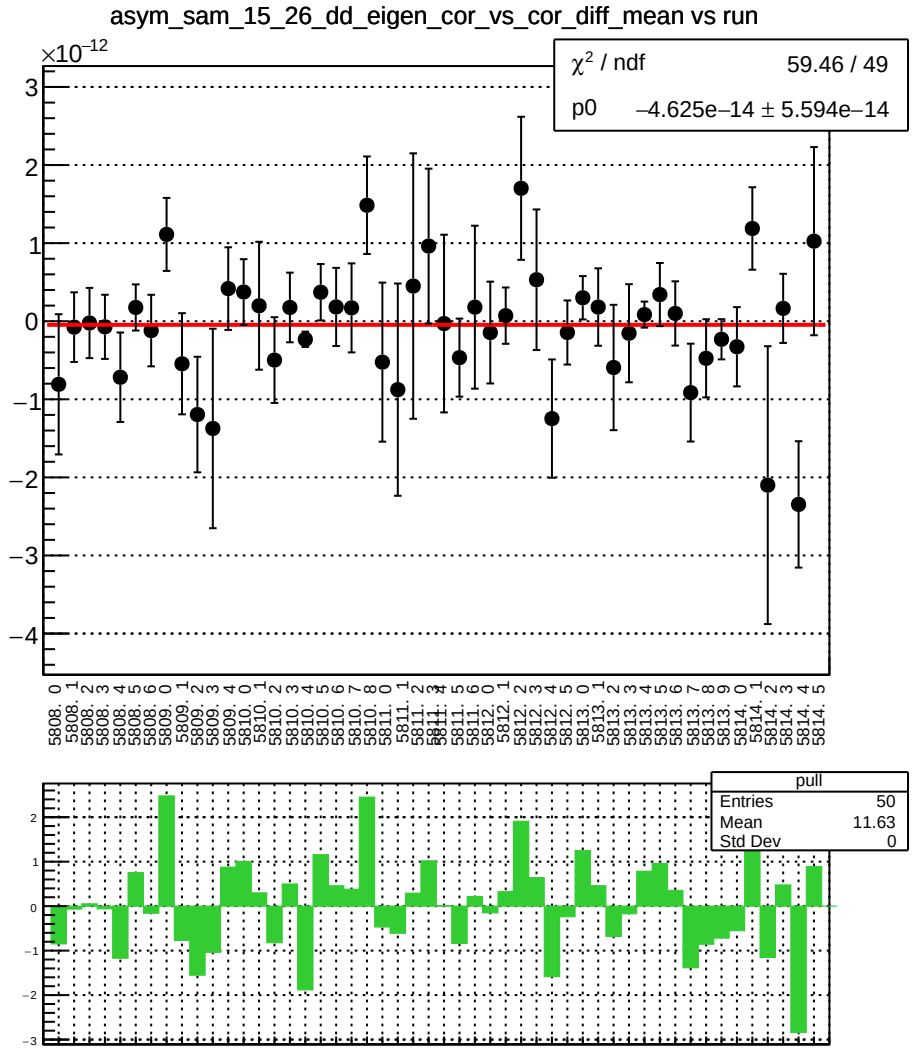
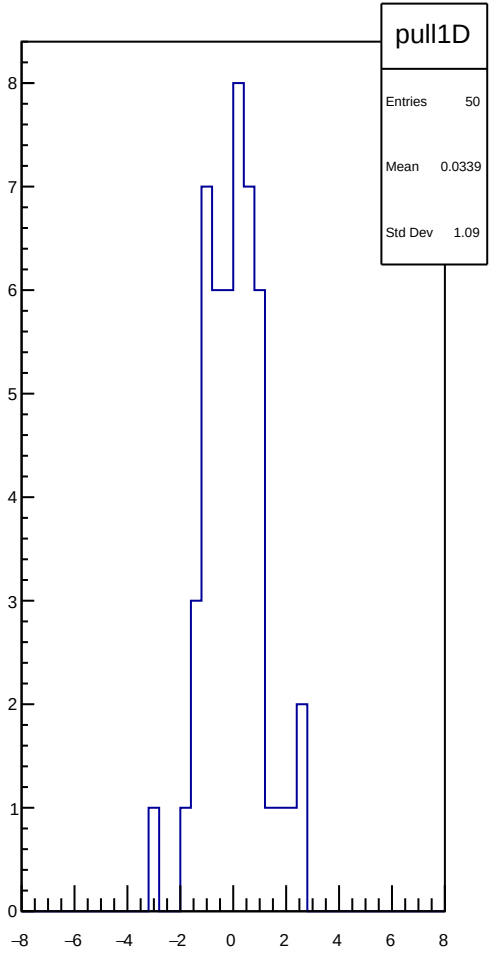
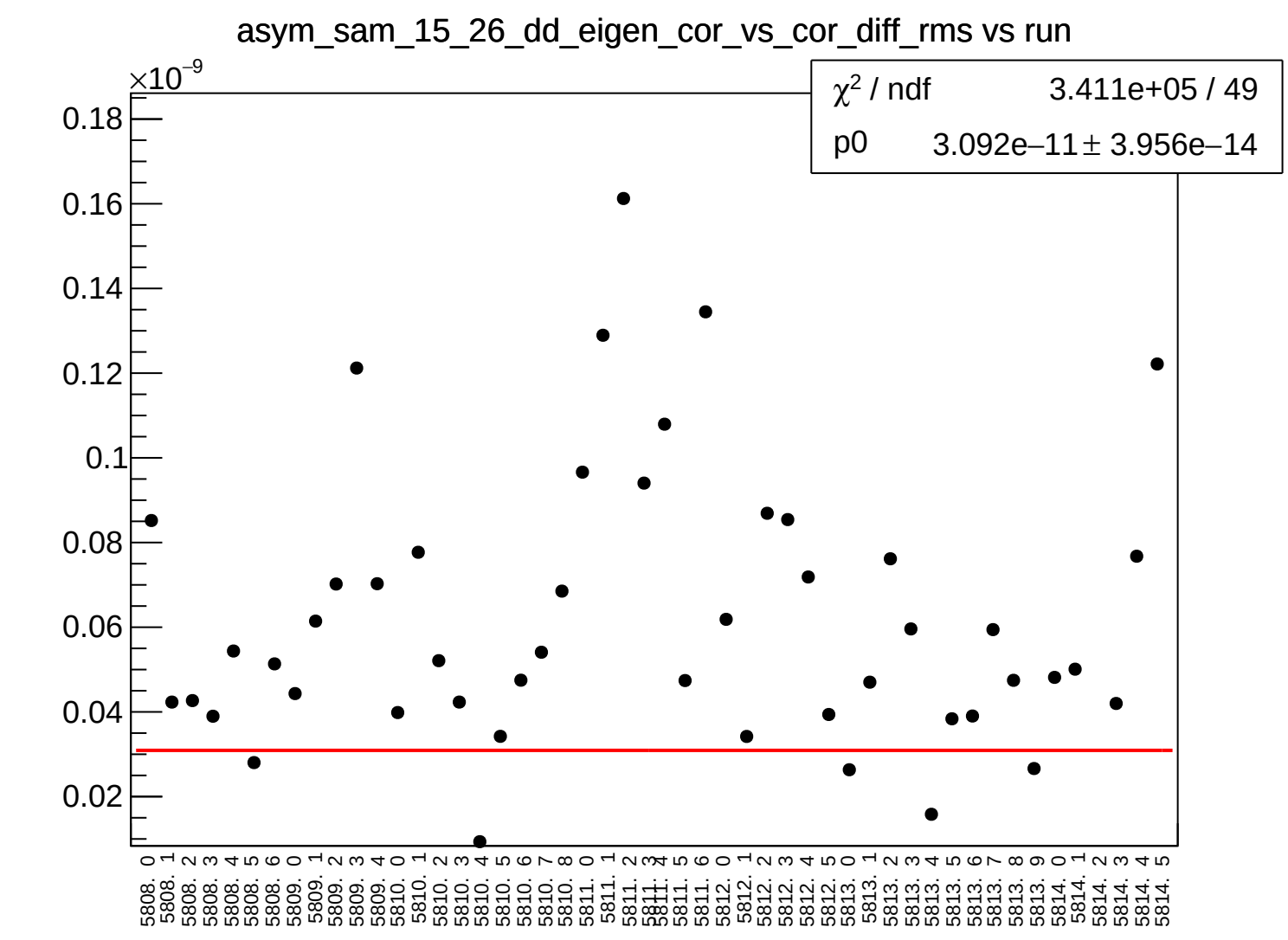
5814. 5


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.46 / 49
p0 −4.625e−14 ± 5.594e−14
pull
Entries 50
Mean 11.63
Std Dev 0


pull1D
Entries 50
Mean 0.0339
Std Dev 1.09


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.411e+05 / 49
p0 3.092e−11 ± 3.956e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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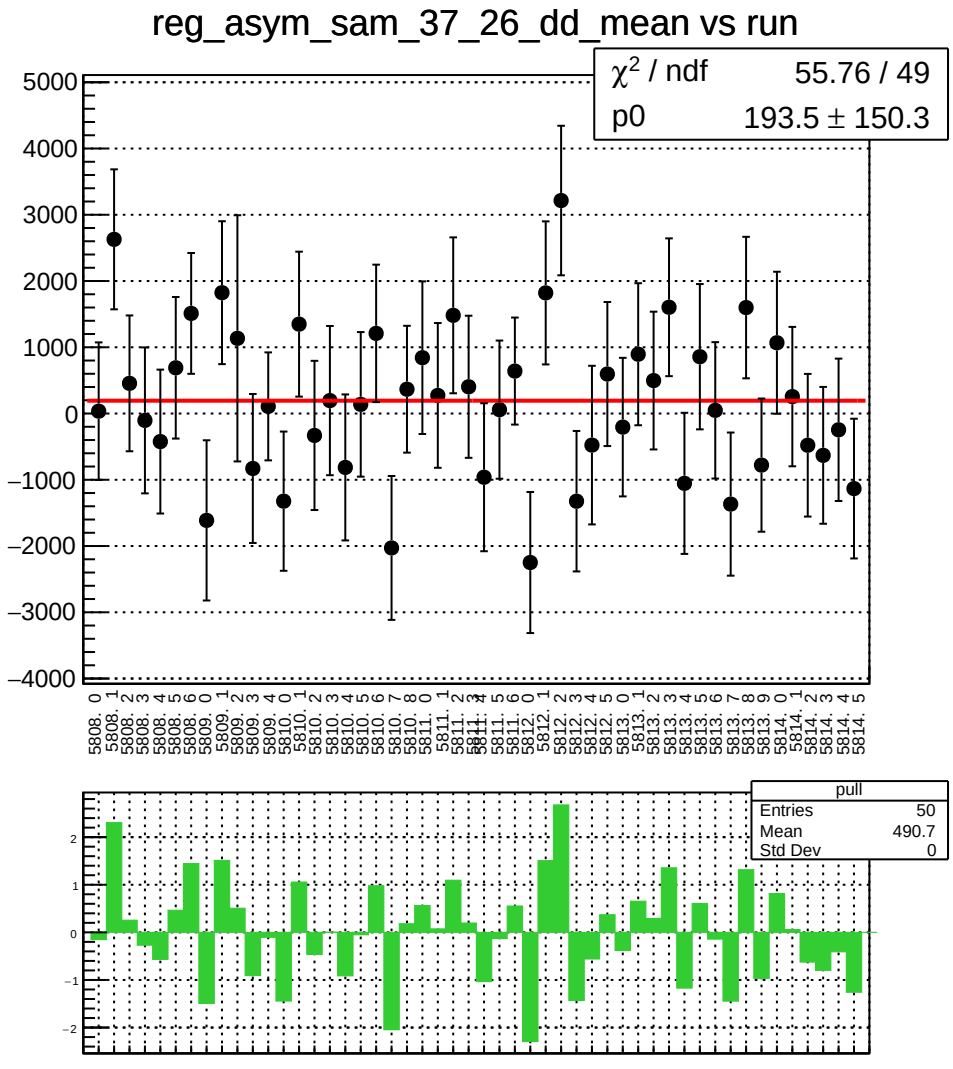
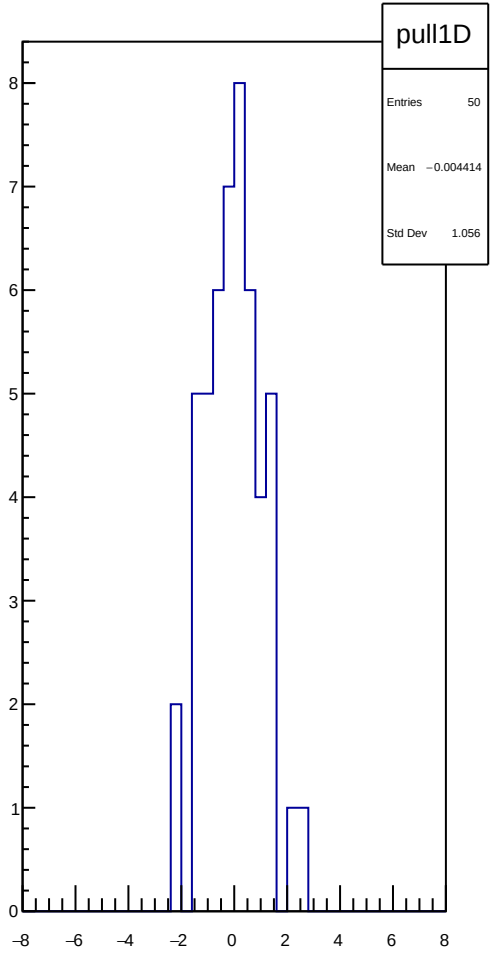
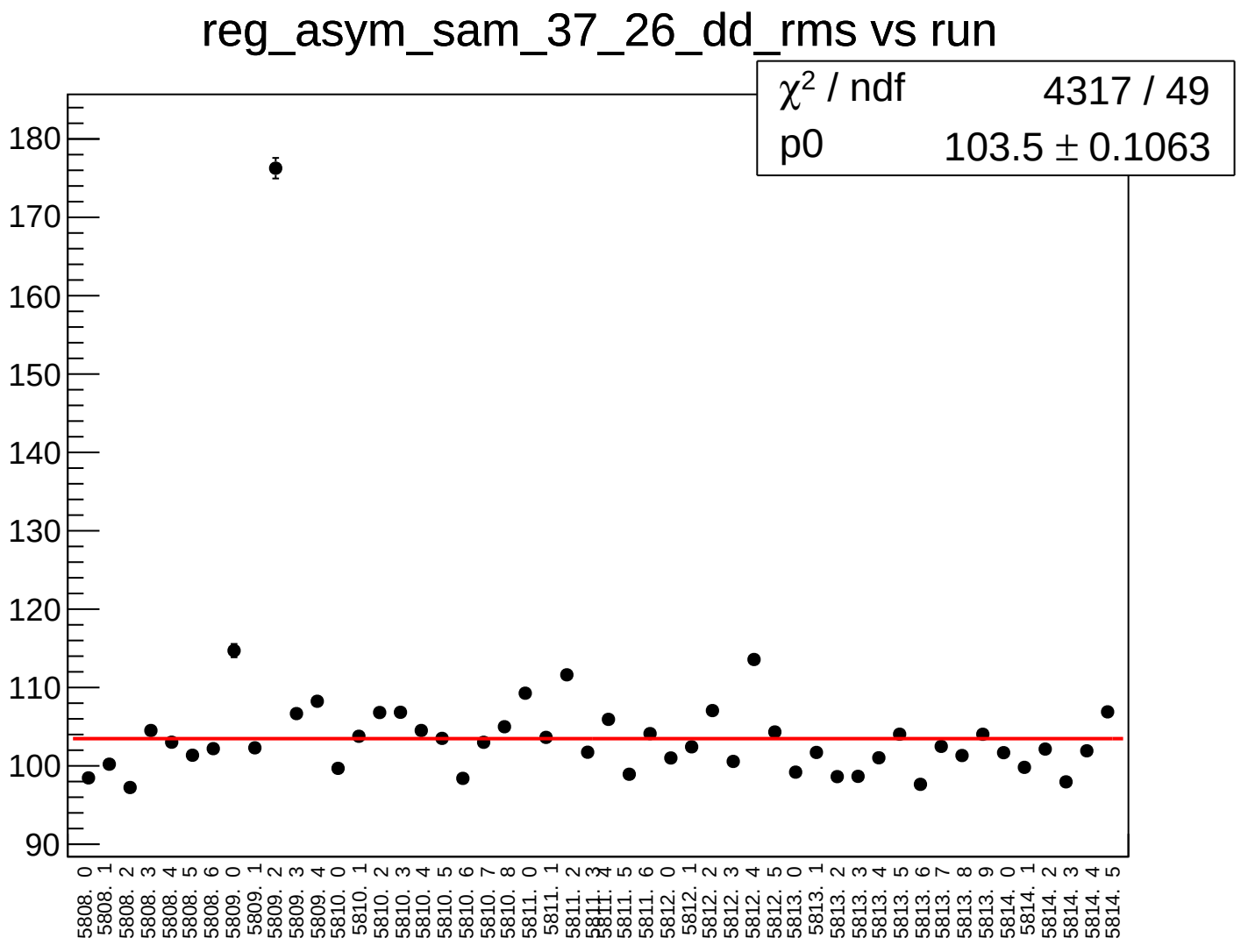
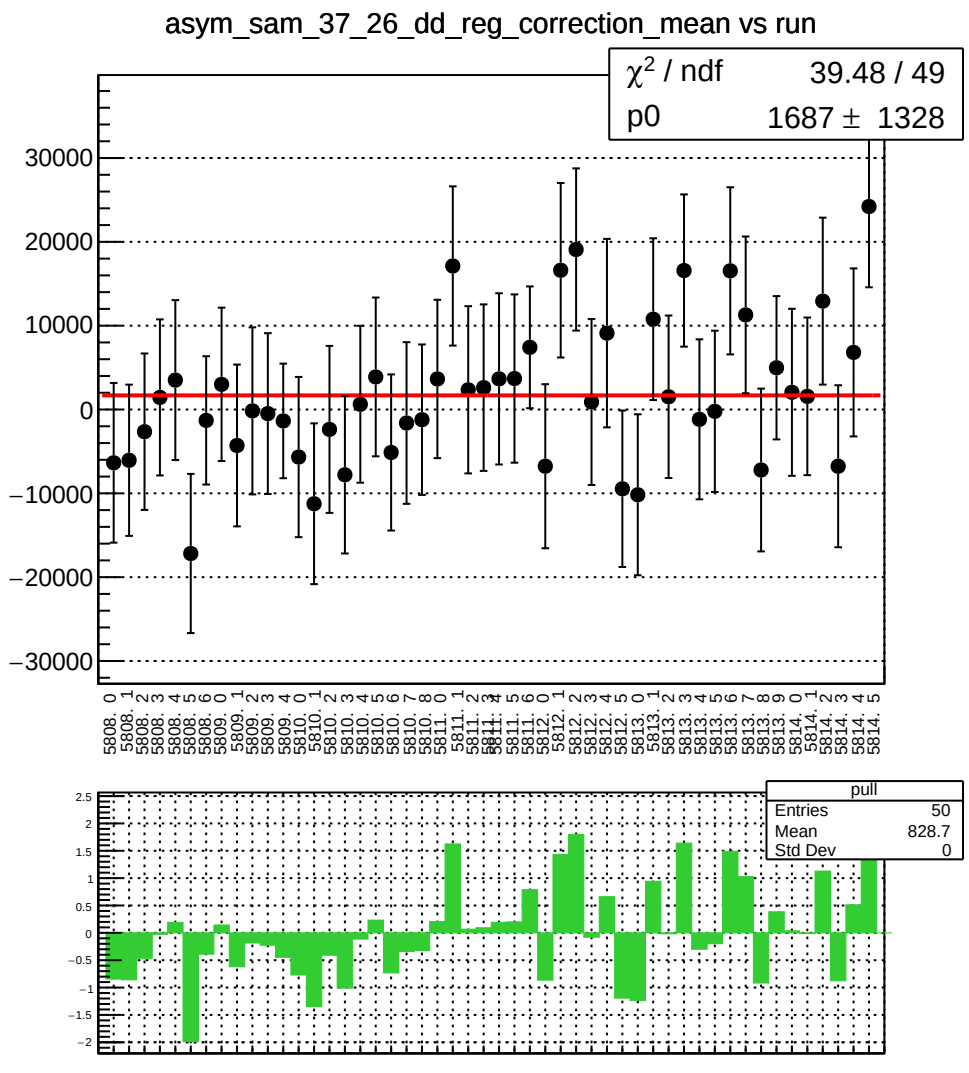
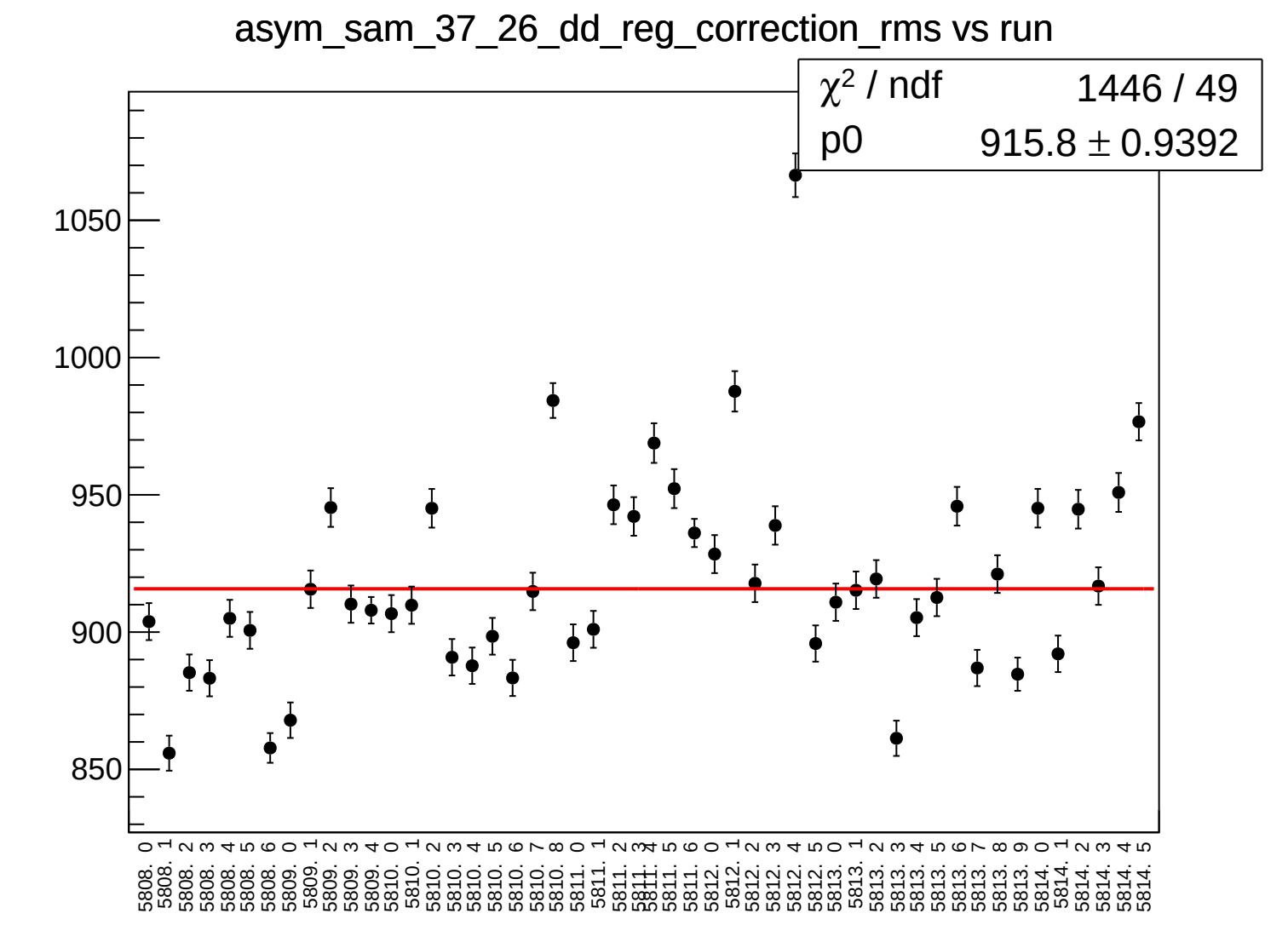
5814. 4
5814. 5

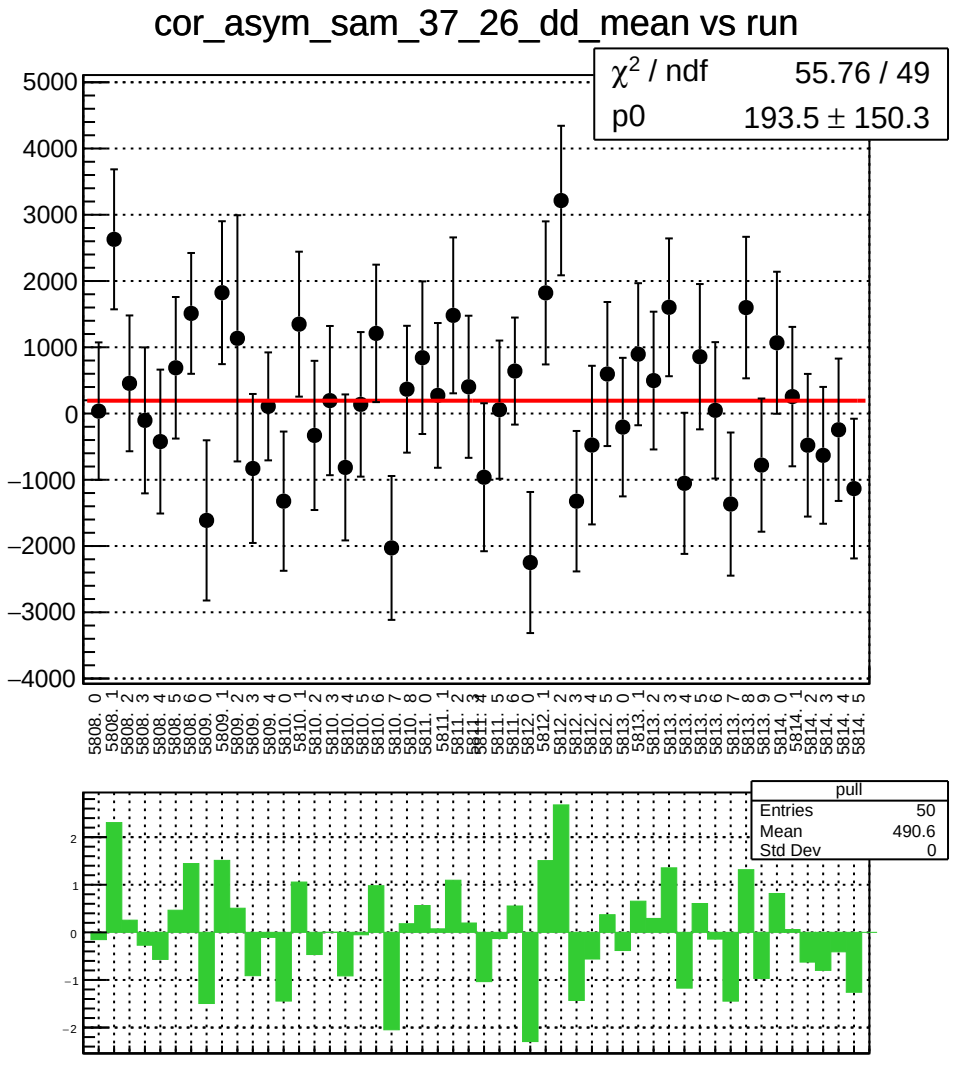

reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.76 / 49
p0 193.5 ± 150.3
pull
Entries 50
Mean 490.7
Std Dev 0

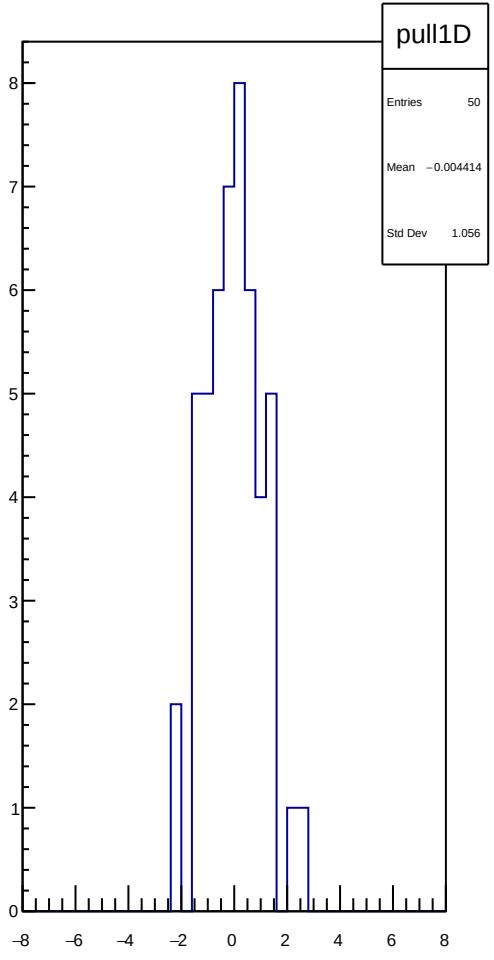

pull1D
Entries 50
Mean −0.004414
Std Dev 1.056

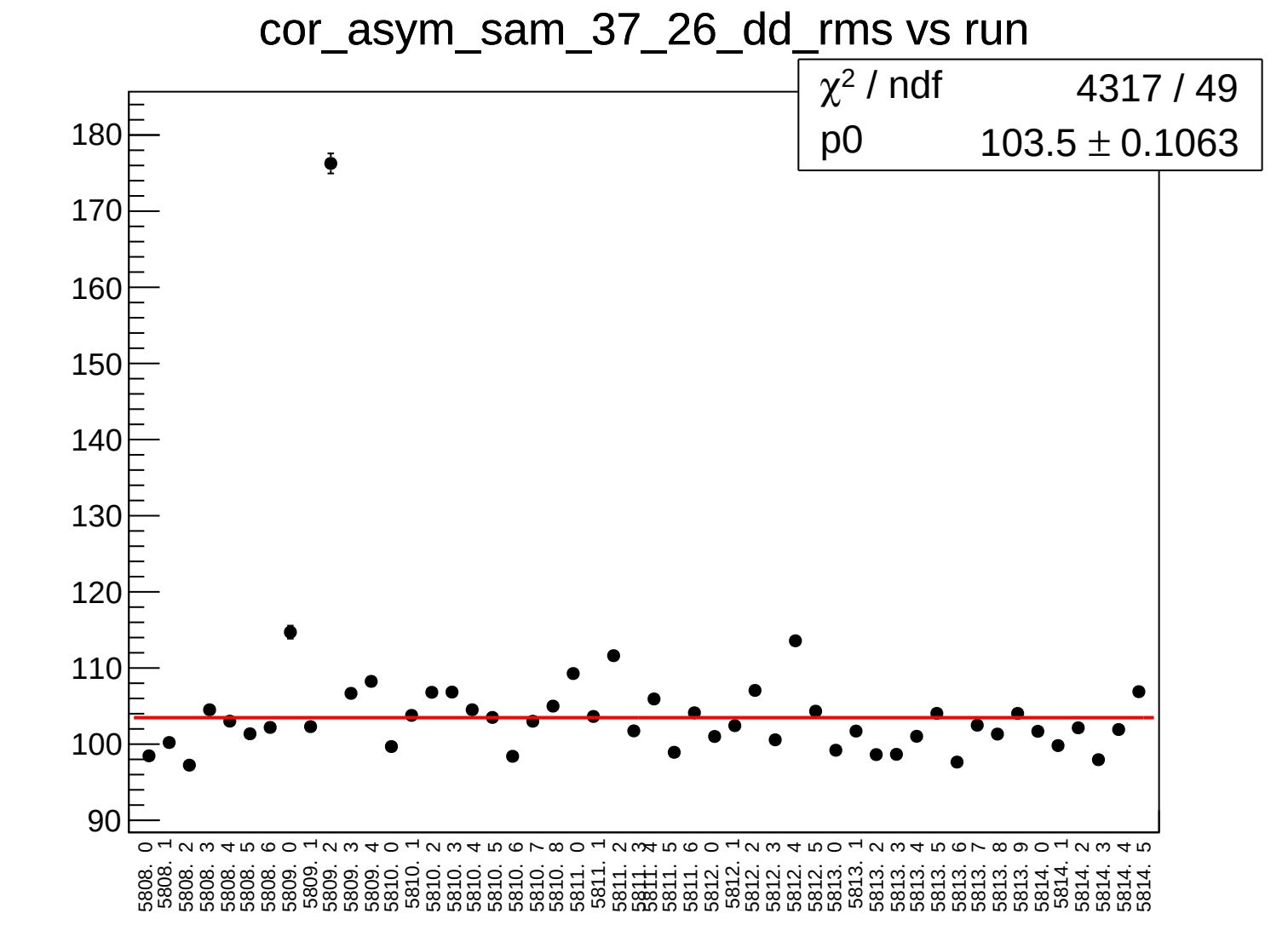

reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 4317 / 49
p0 103.5 ± 0.1063
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 39.48 / 49
p0 1687 ± 1328
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 828.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.007022
Std Dev 0.8886
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_reg_correction_rms vs run
χ² / ndf 1446 / 49
p0 915.8 ± 0.9392
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.76 / 49
p0 193.5 ± 150.3
pull
Entries 50
Mean 490.6
Std Dev 0


pull1D
Entries 50
Mean −0.004414
Std Dev 1.056


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4317 / 49
p0 103.5 ± 0.1063
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
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5813. 1
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5813. 4
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5814. 2
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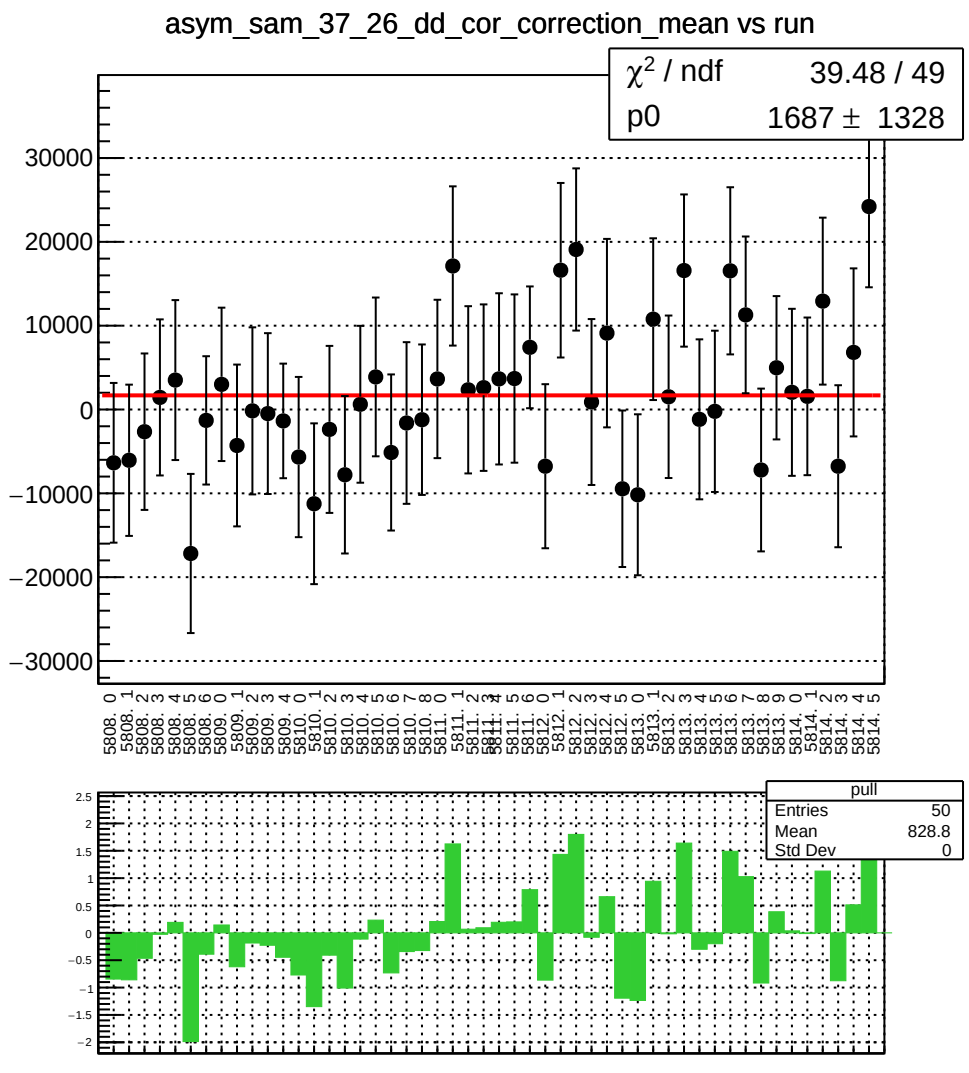
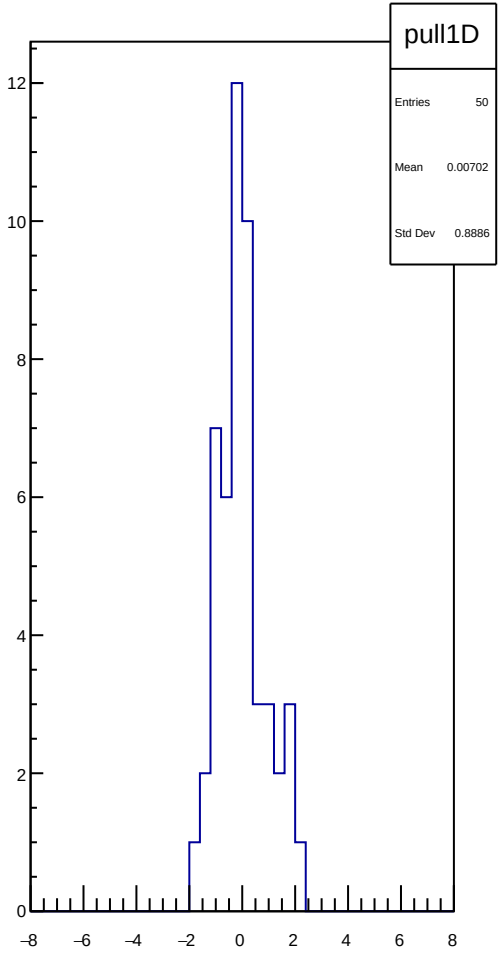
5814. 4
5814. 5


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 39.48 / 49
p0 1687 ± 1328
30000
20000
10000
0
−10000
−20000
−30000
pull
Entries 50
Mean 828.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 50
Mean 0.00702
Std Dev 0.8886
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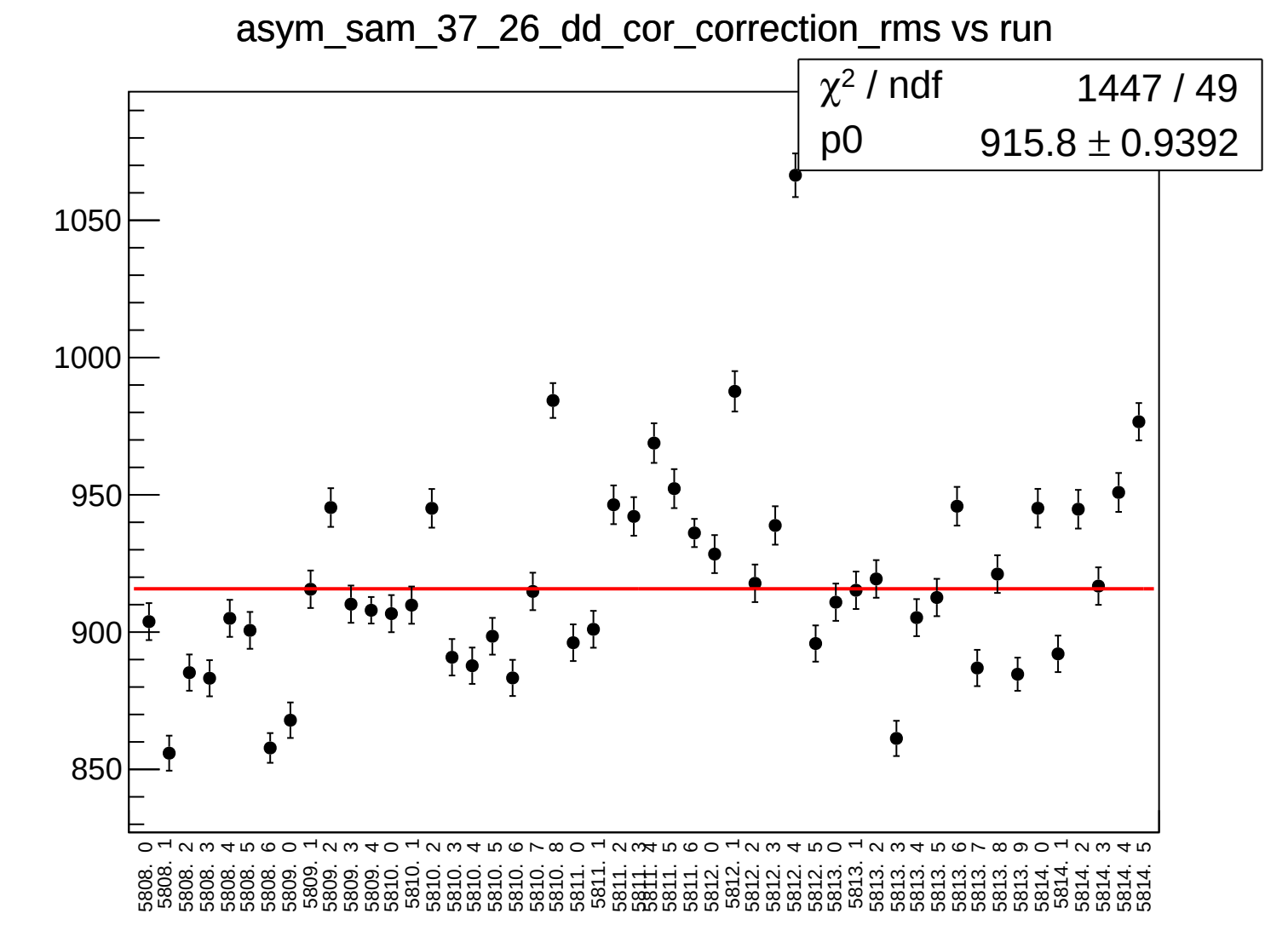
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_cor_correction_rms vs run
χ² / ndf 1447 / 49
p0 915.8 ± 0.9392
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5813. 4
5813. 5
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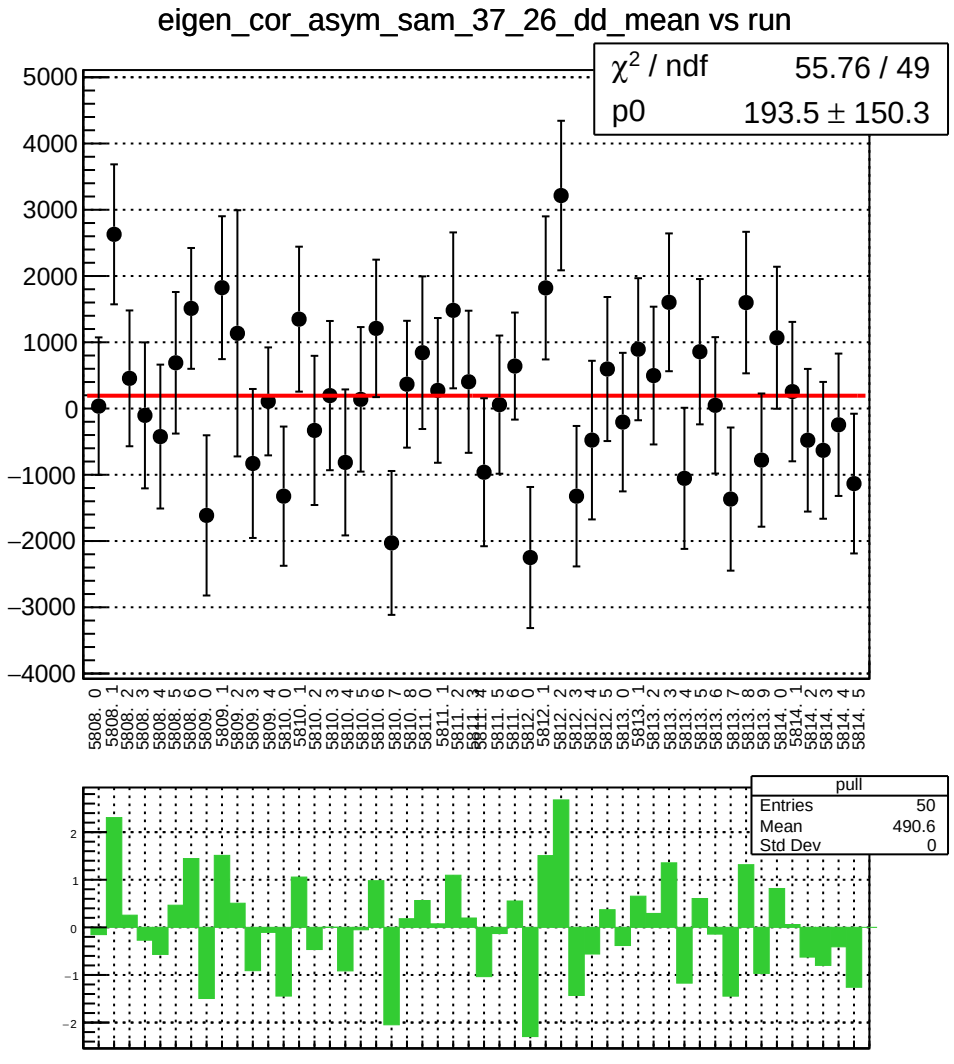
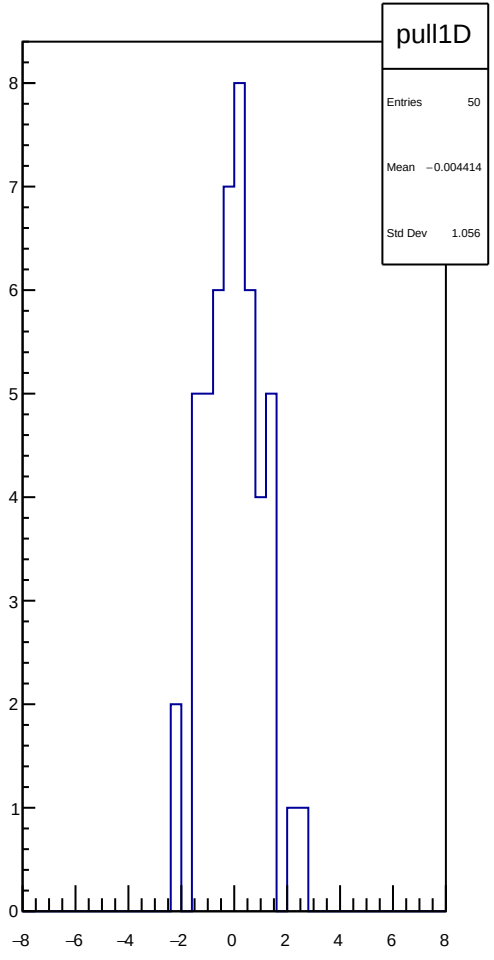
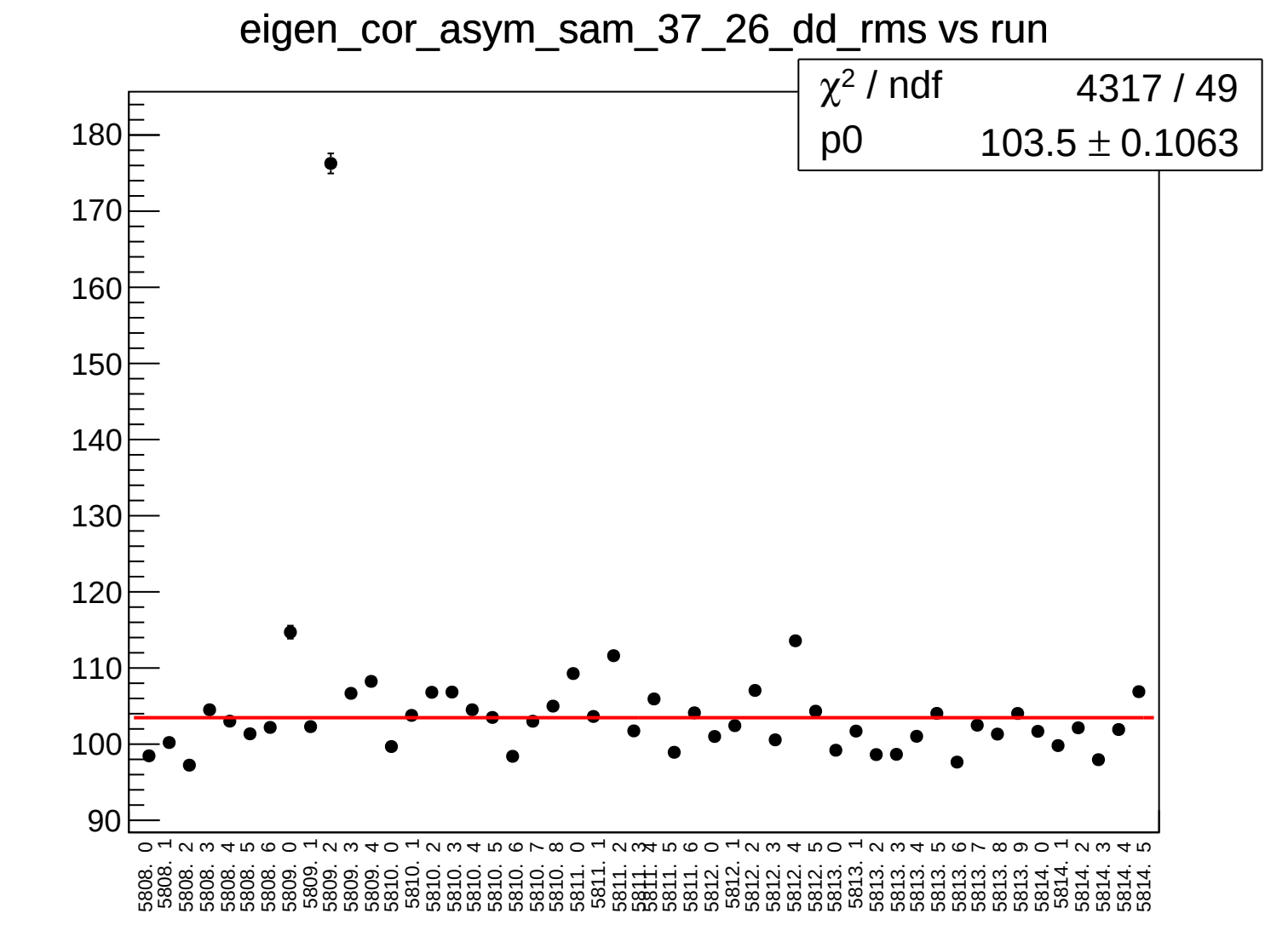
5814. 4
5814. 5


eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 55.76 / 49
p0 193.5 ± 150.3
pull
Entries 50
Mean 490.6
Std Dev 0


pull1D
Entries 50
Mean −0.004414
Std Dev 1.056


eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 4317 / 49
p0 103.5 ± 0.1063
180
170
160
150
140
130
120
110
100
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
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5811. 6
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5813. 2
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5813. 4
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5814. 2
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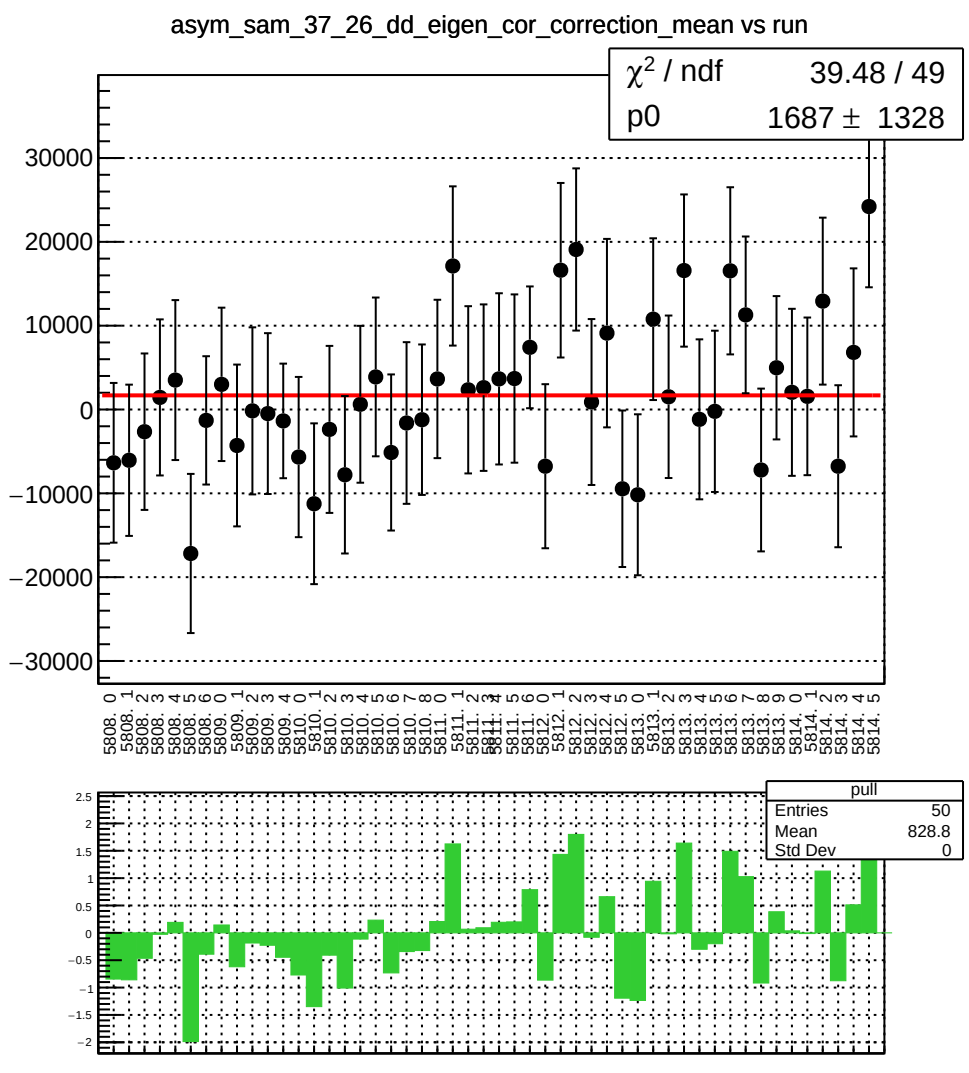
5814. 4
5814. 5


asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.48 / 49
p0 1687 ± 1328
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
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5813. 0
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5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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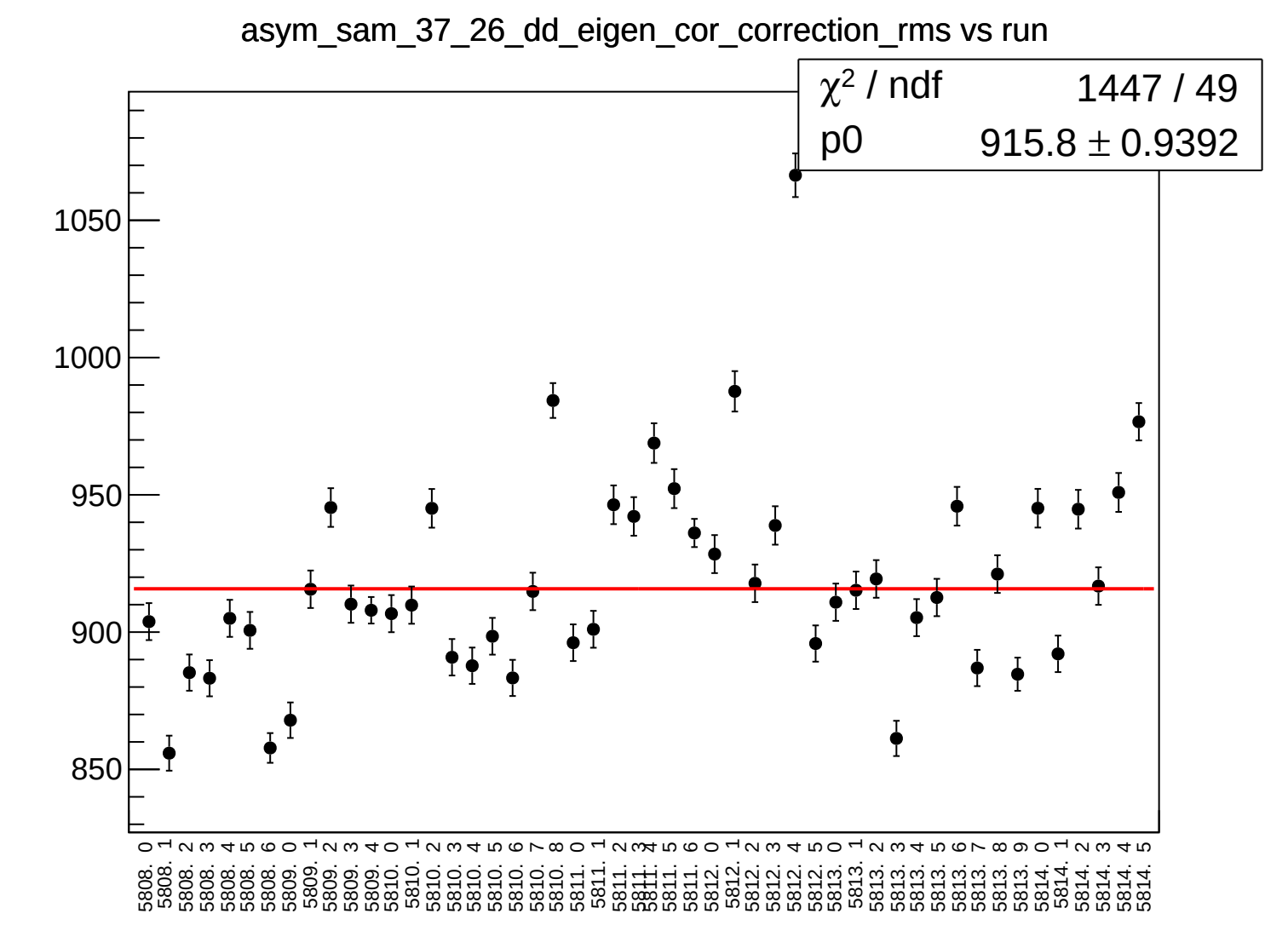
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 828.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.00702
Std Dev 0.8886
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 1447 / 49
p0 915.8 ± 0.9392
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5814. 2
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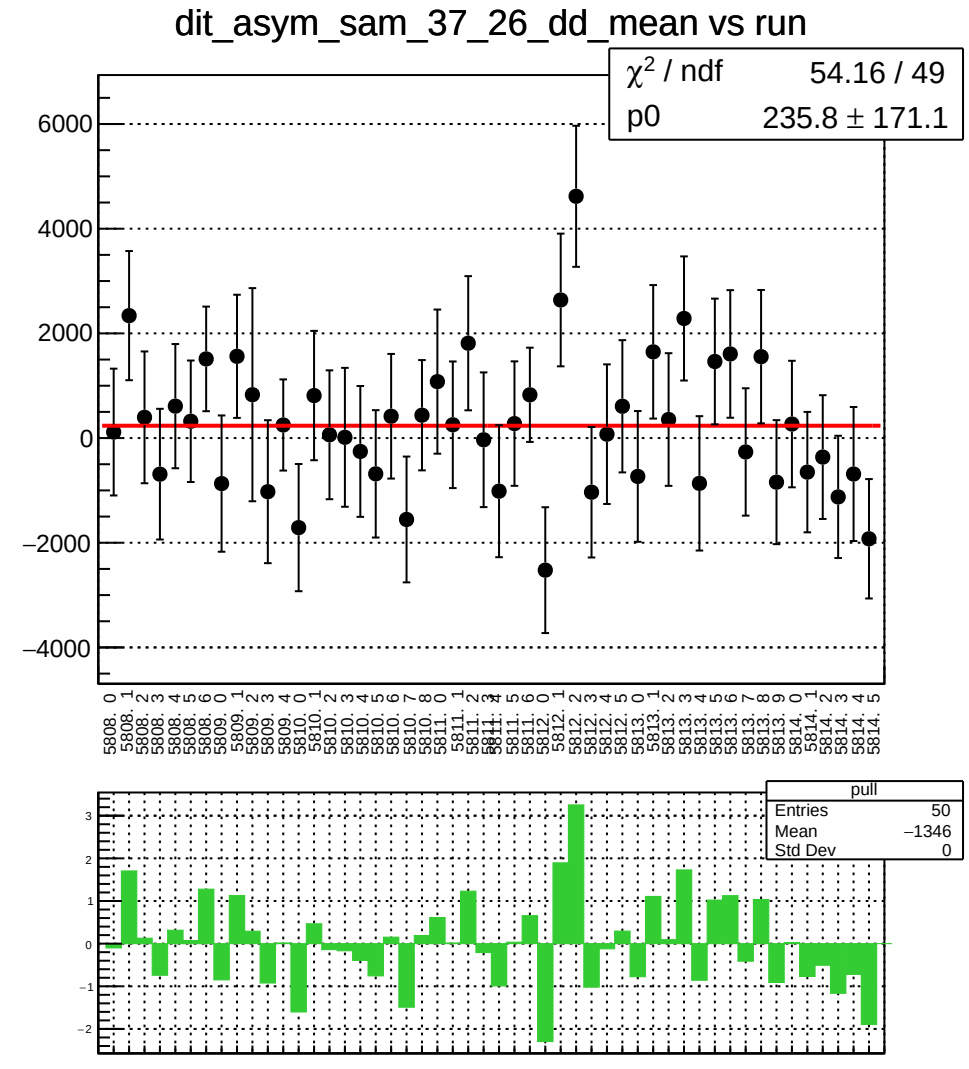
5814. 4
5814. 5


dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 54.16 / 49
p0 235.8 ± 171.1
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
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5809. 3
5809. 4
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5810. 0
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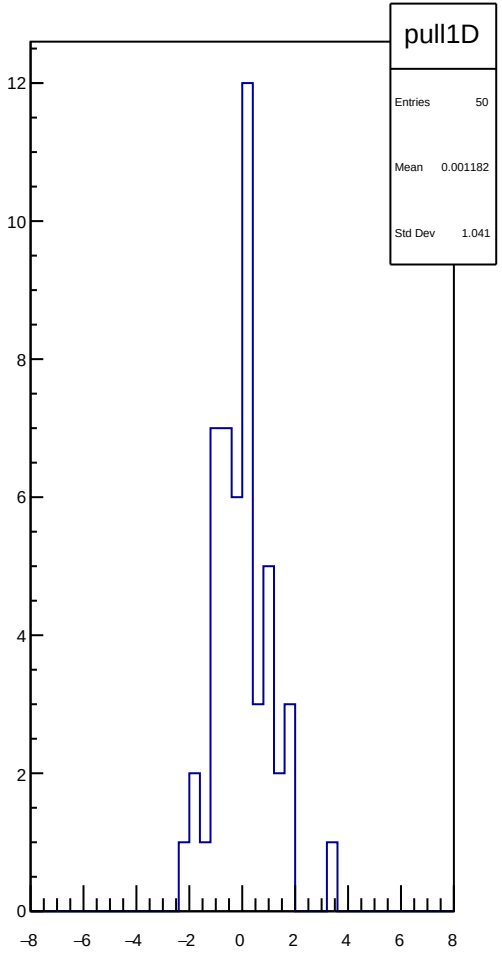
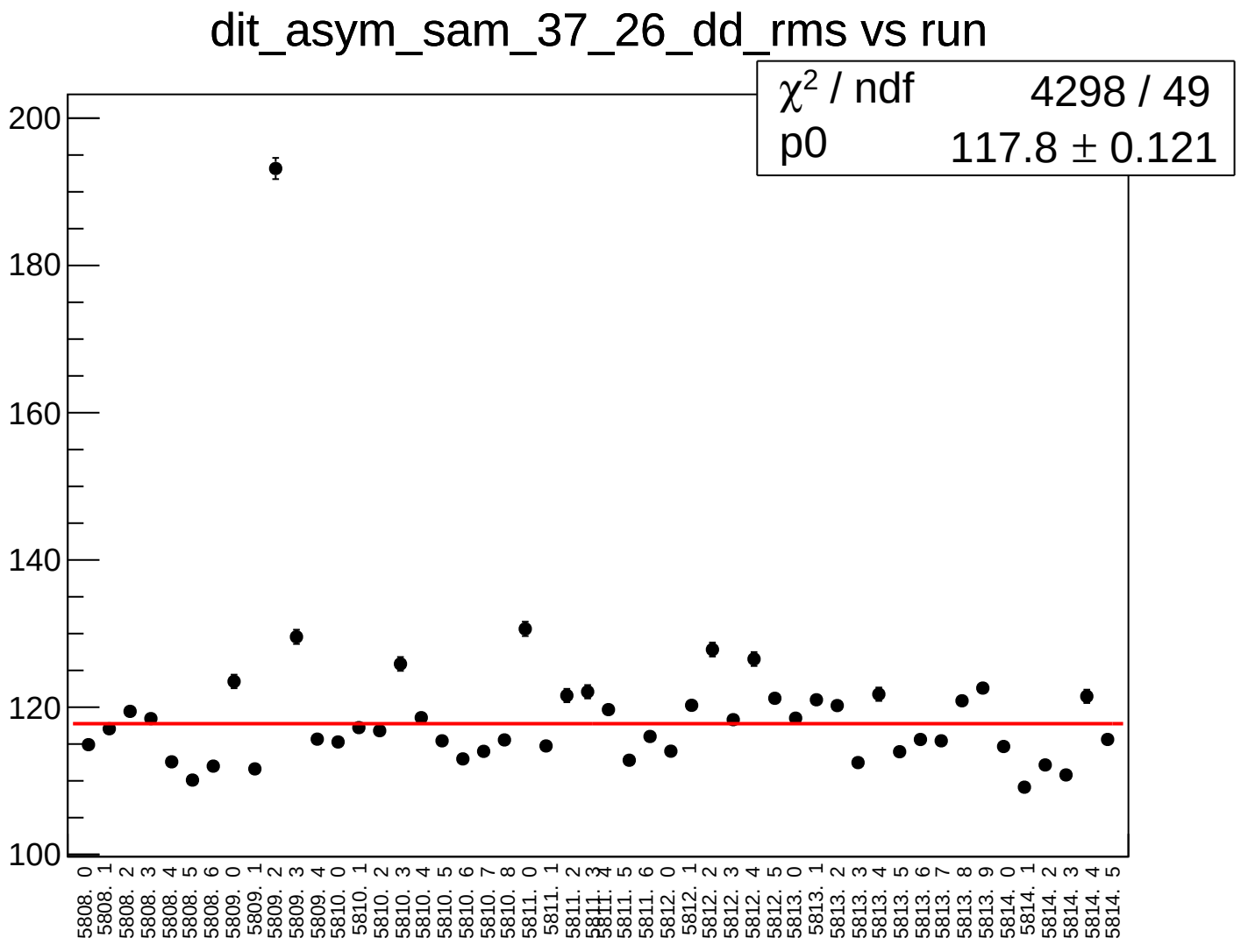
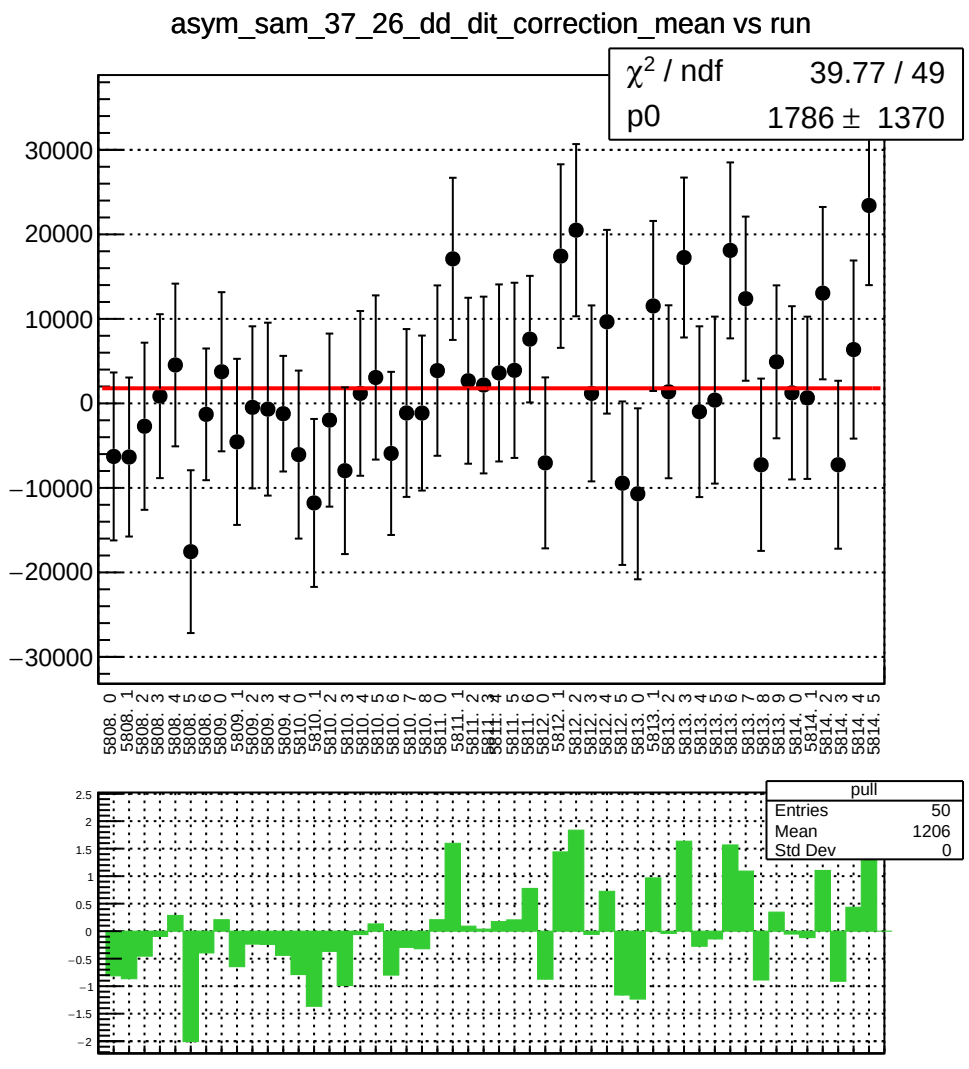
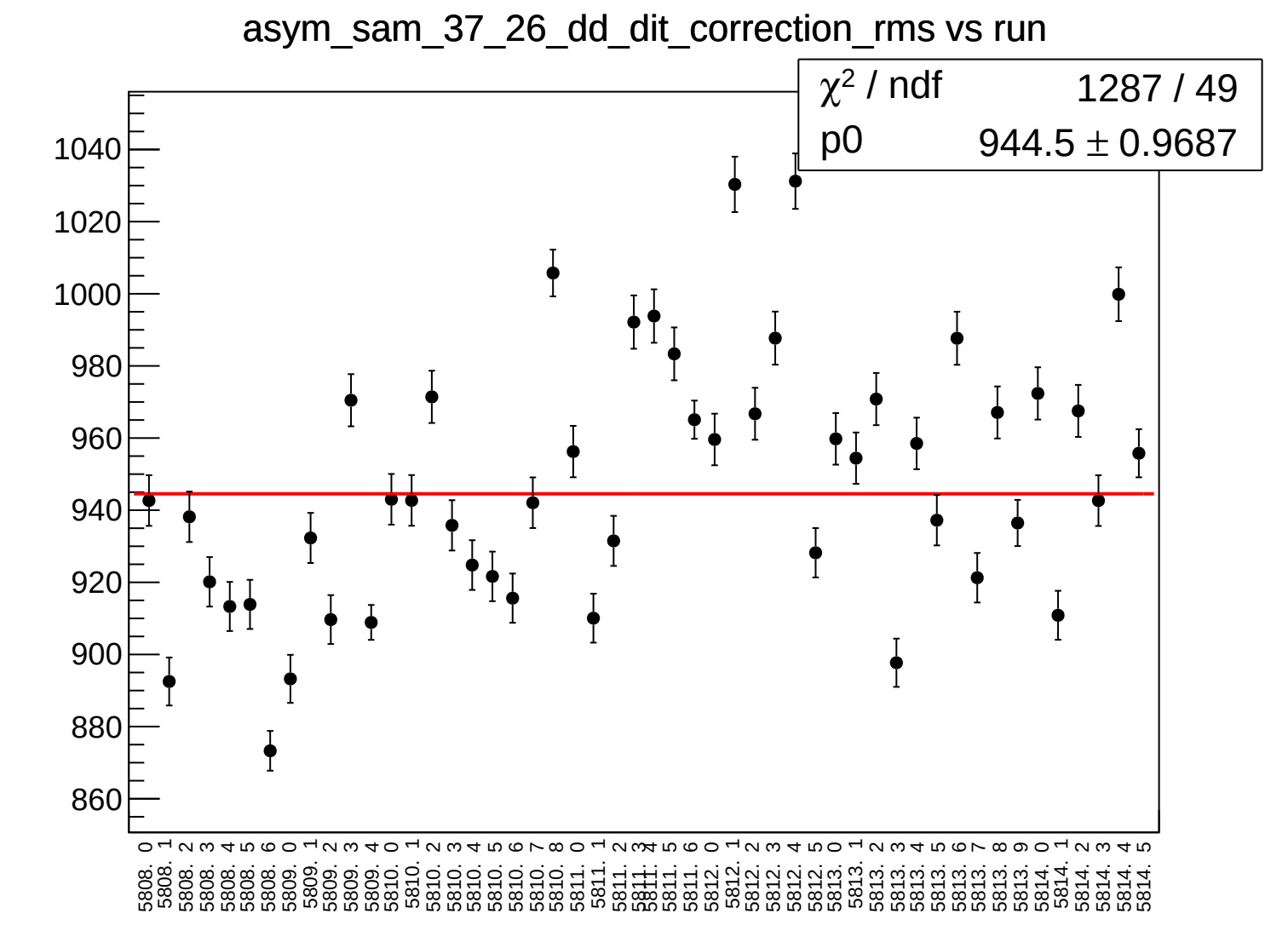
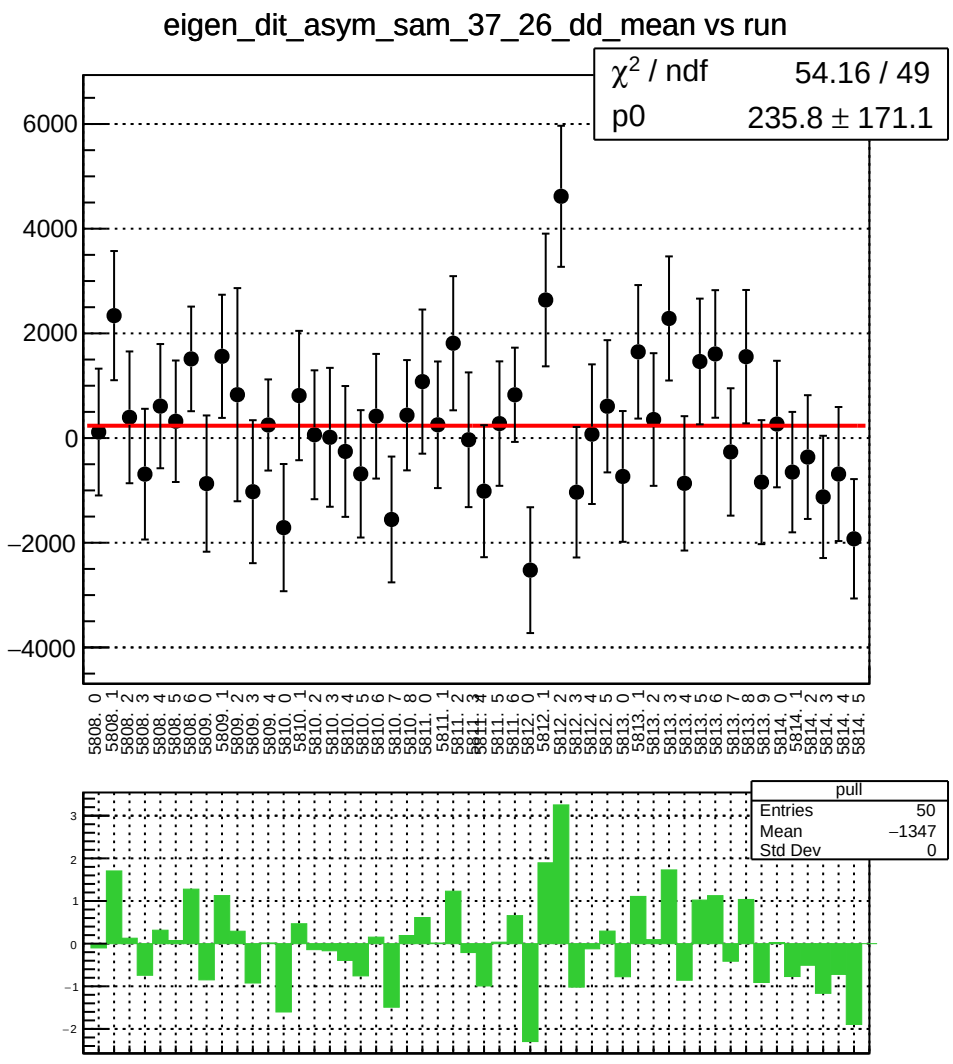
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1346
Std Dev 0
3
2
1
0
−1
−2

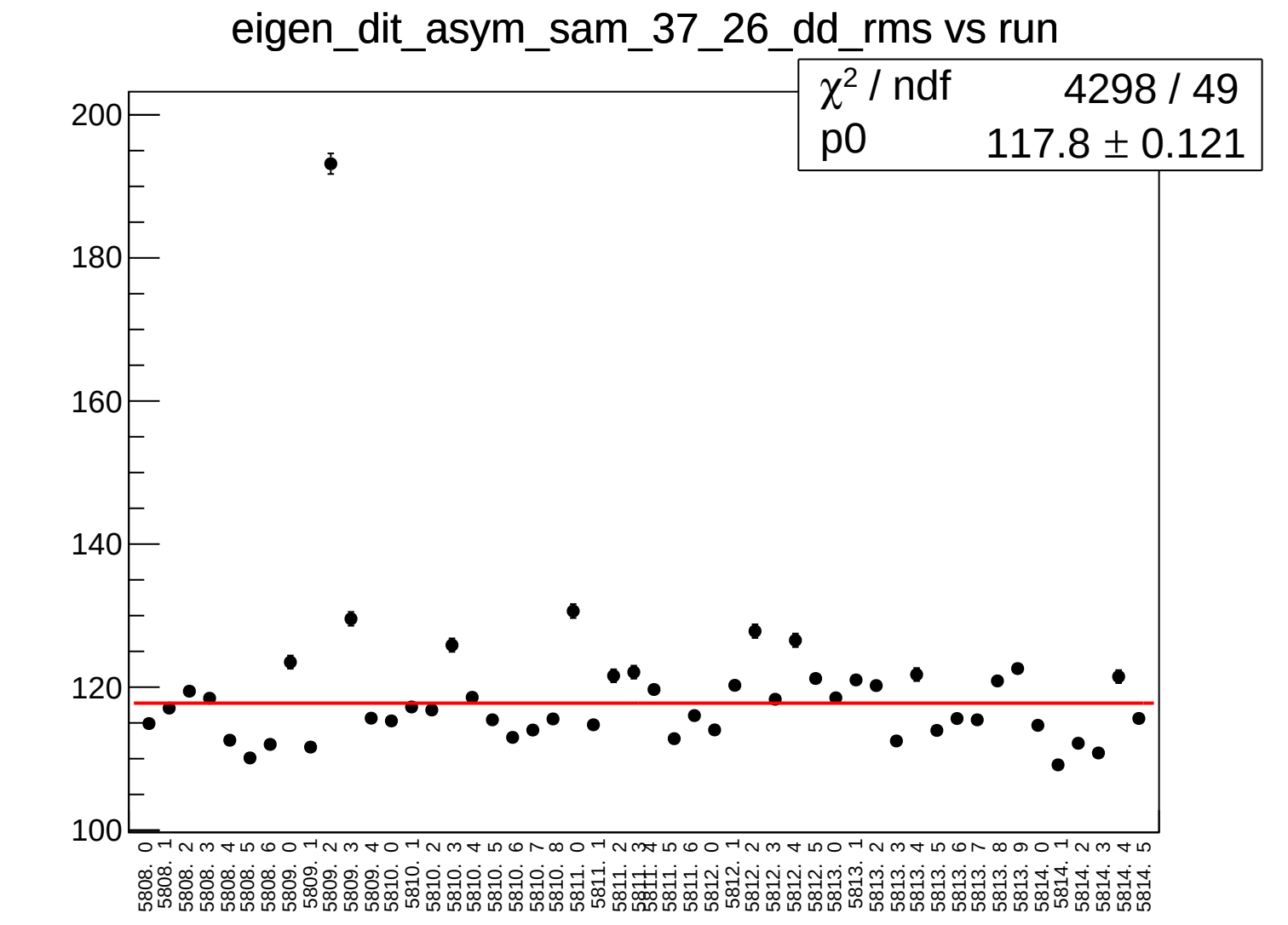

pull1D
Entries 50
Mean 0.001182
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

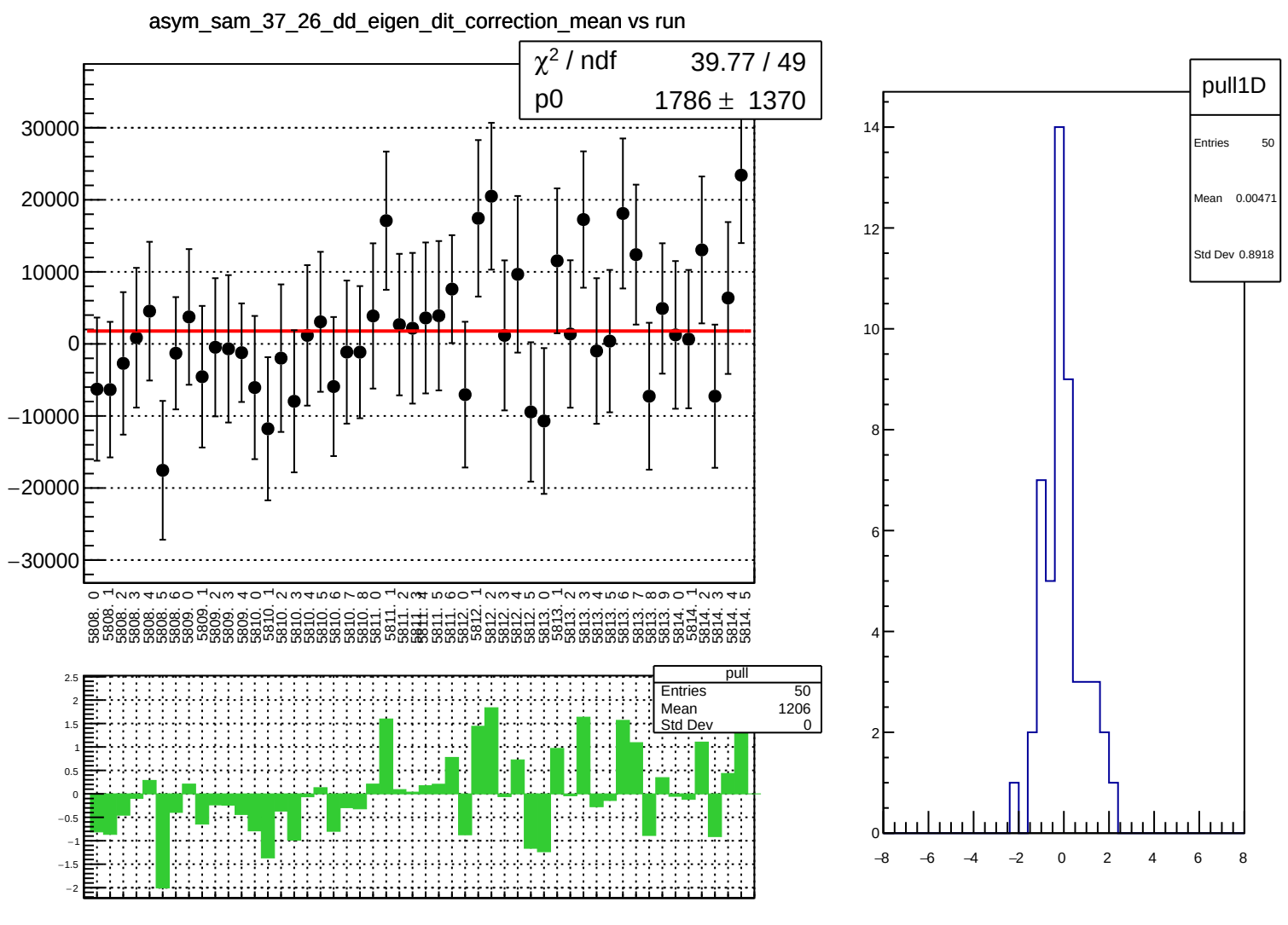

dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 4298 / 49
p0 117.8 ± 0.121
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

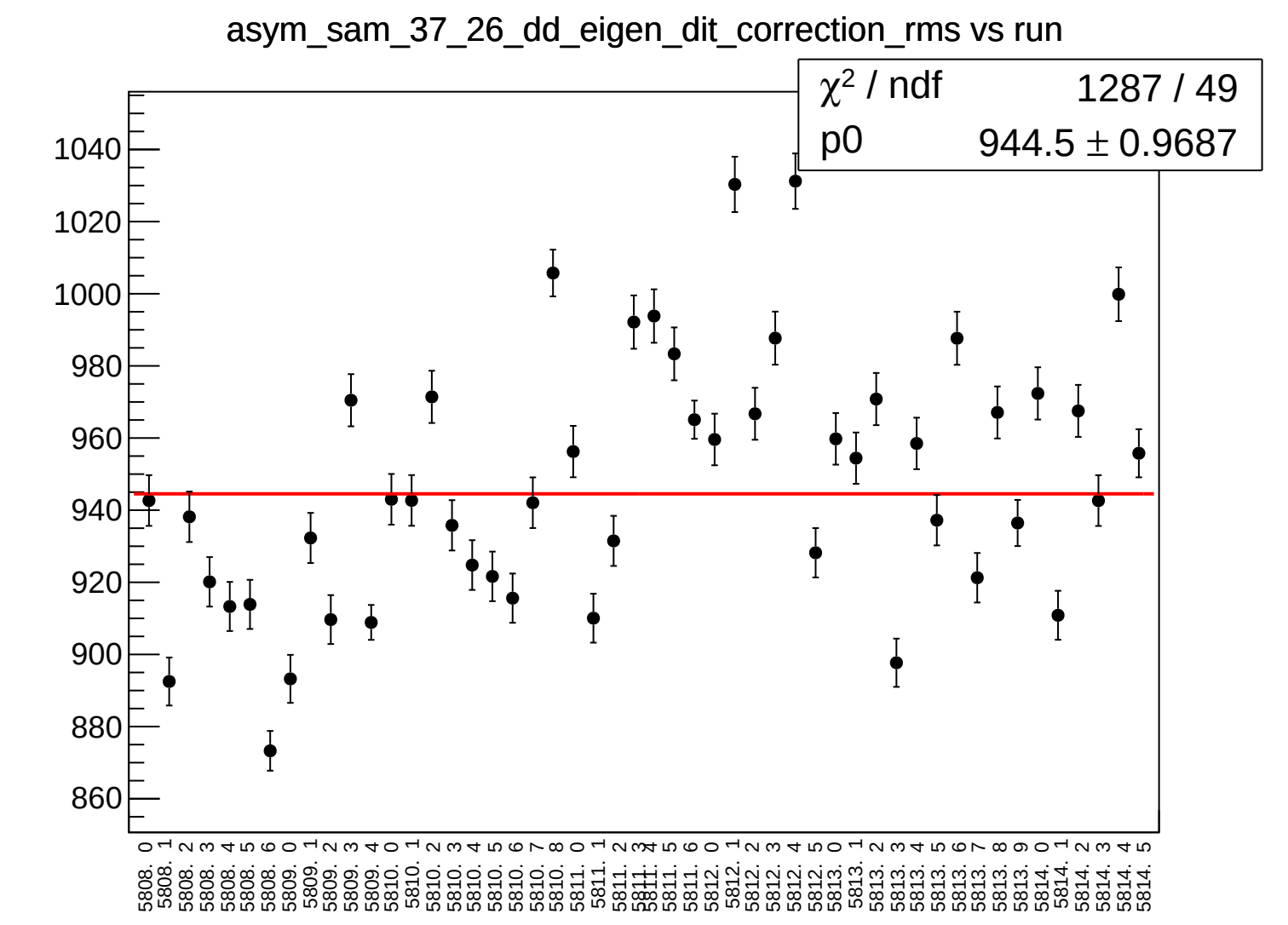

asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 39.77 / 49
p0 1786 ± 1370
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1206
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.00471
Std Dev 0.8918
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

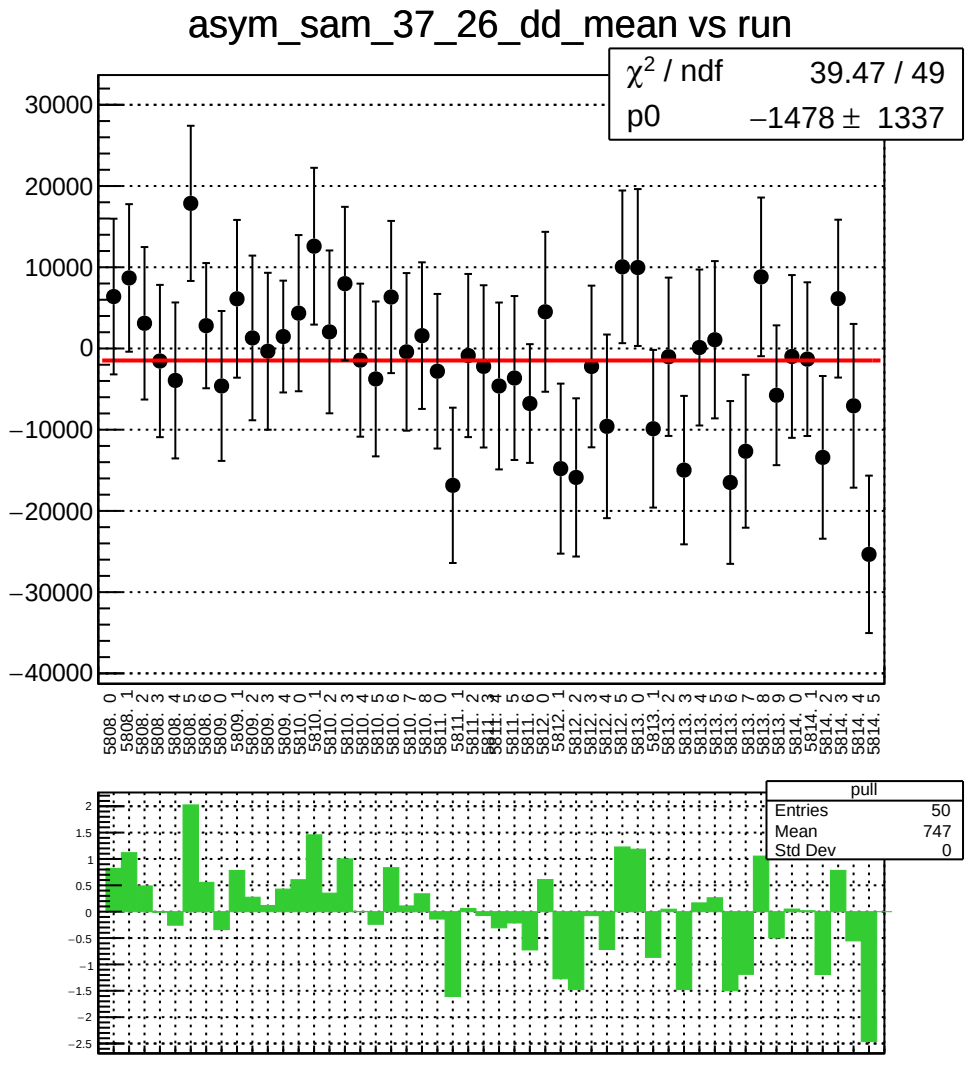

asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 1287 / 49
p0 944.5 ± 0.9687
1040
1020
1000
980
960
940
920
900
880
860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

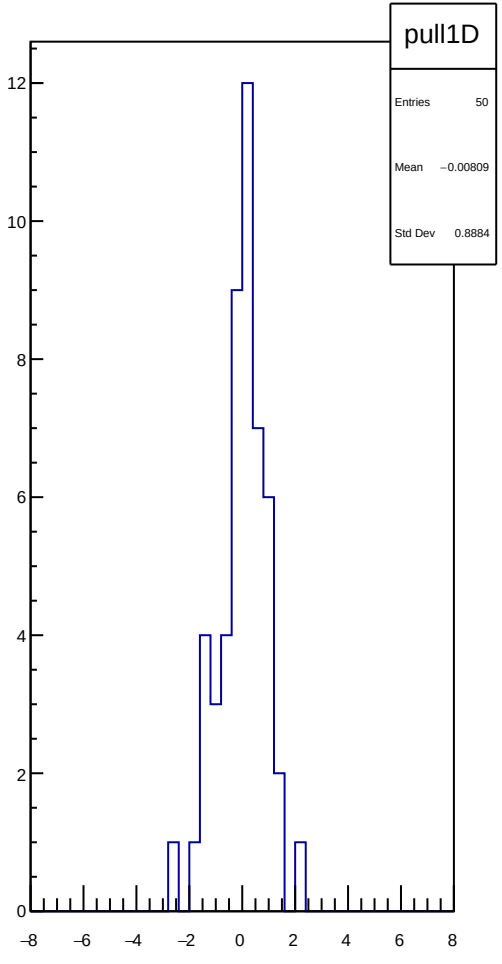

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 54.16 / 49
p0 235.8 ± 171.1
6000
4000
2000
0
−2000
−4000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1347
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.001182
Std Dev 1.041
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

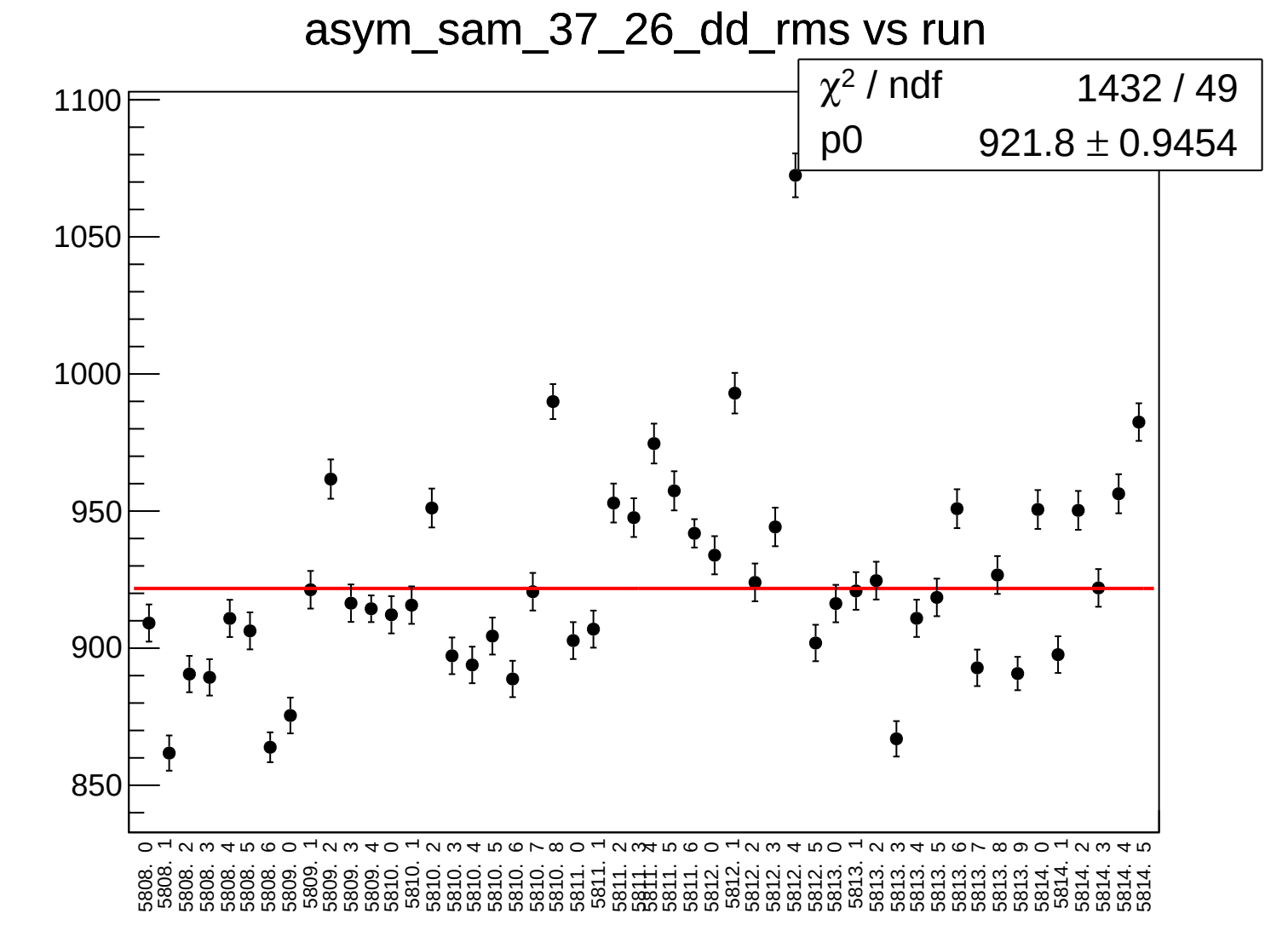

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 4298 / 49
p0 117.8 ± 0.121
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

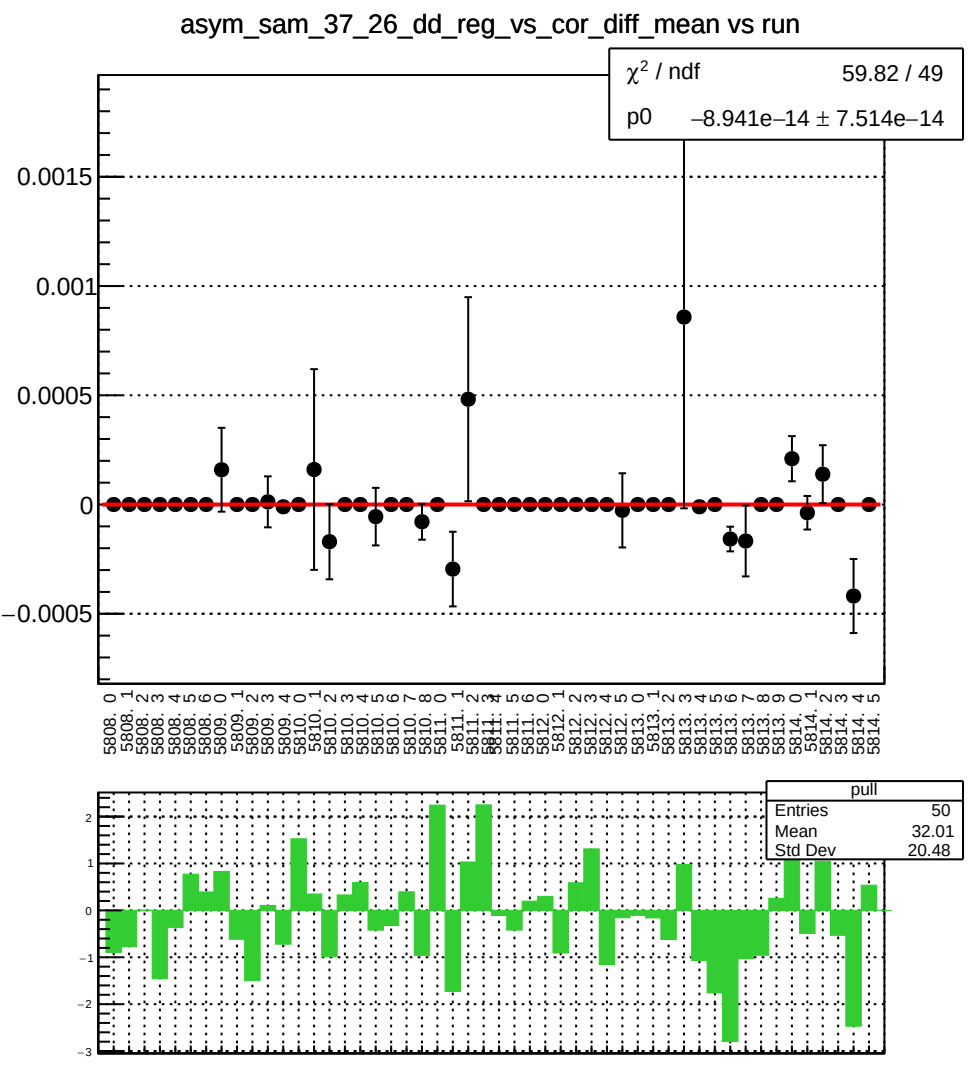

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.77 / 49
p0 1786 ± 1370
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 1206
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.00471
Std Dev 0.8918
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

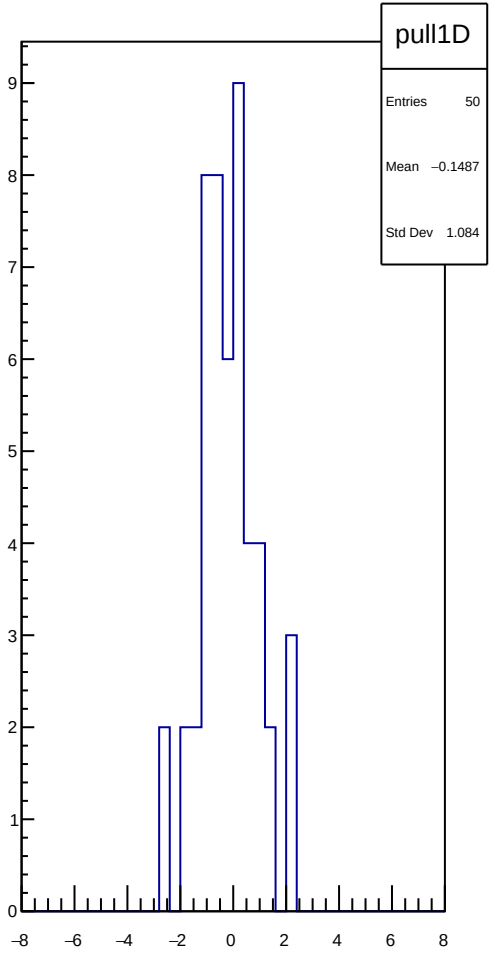

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 1287 / 49
p0 944.5 ± 0.9687
1040
1020
1000
980
960
940
920
900
880
860
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

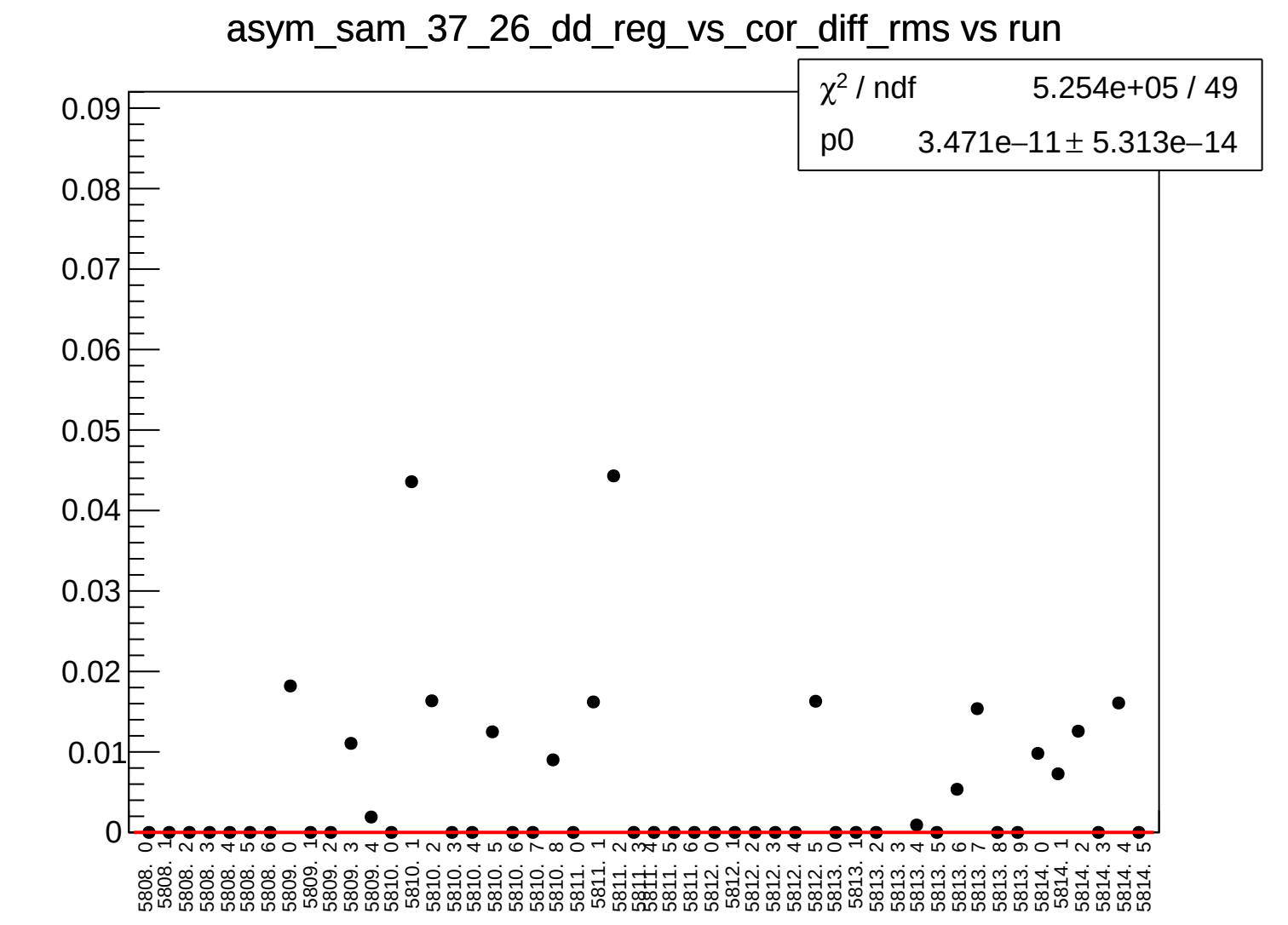

asym_sam_37_26_dd_mean vs run
χ² / ndf 39.47 / 49
p0 −1478 ± 1337
pull
Entries 50
Mean 747
Std Dev 0

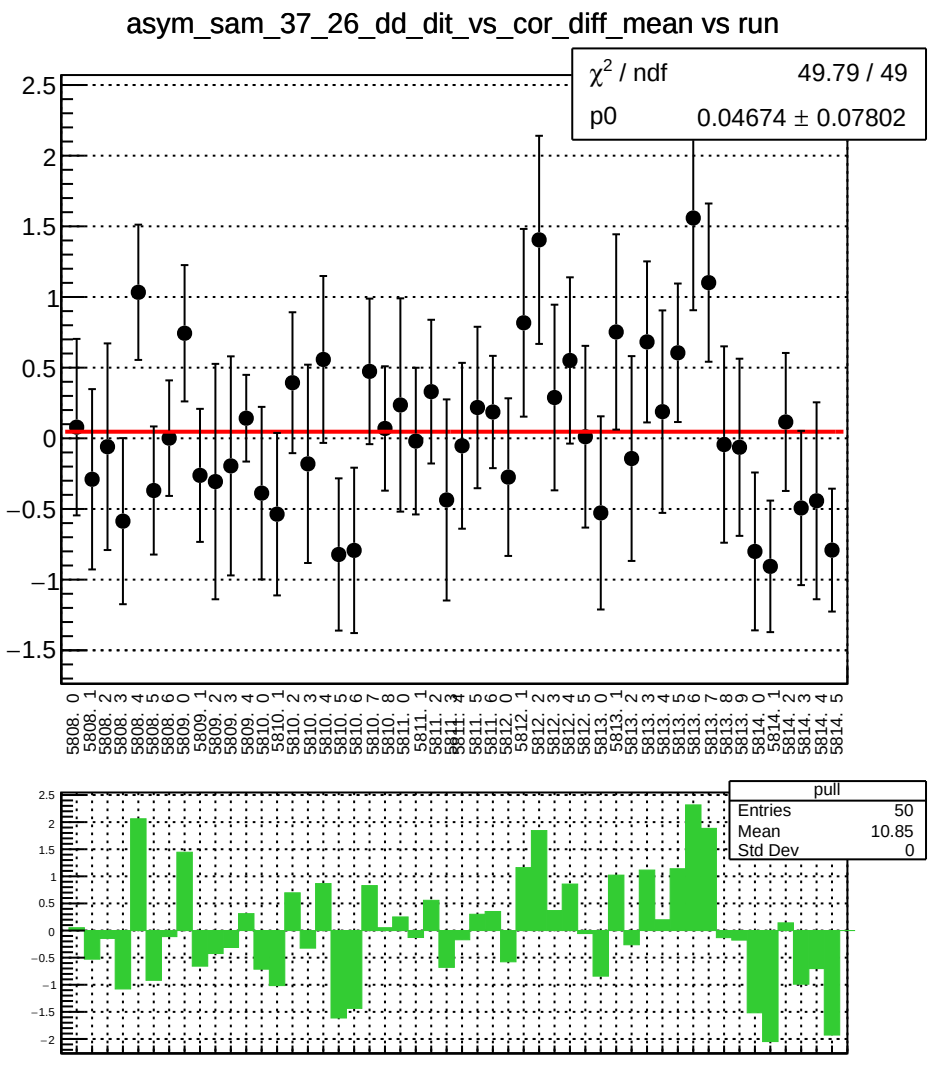

pull1D
Entries 50
Mean −0.00809
Std Dev 0.8884

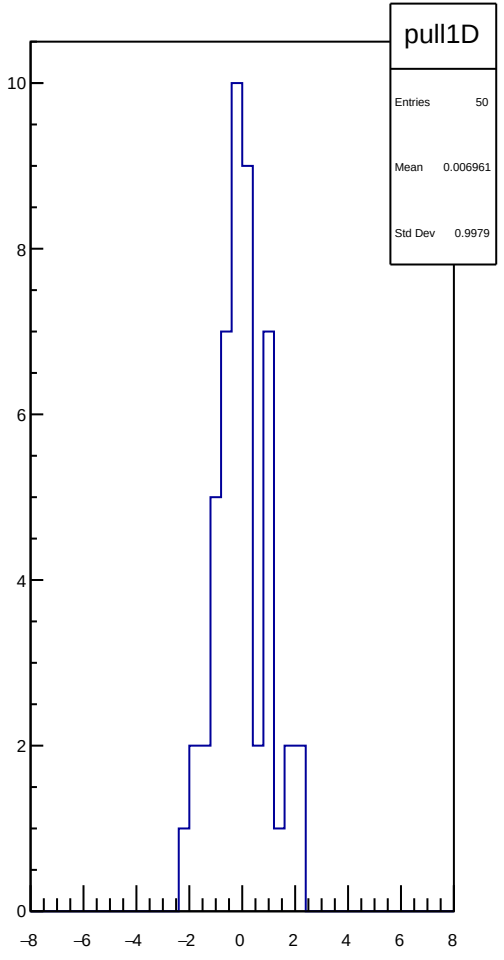

asym_sam_37_26_dd_rms vs run
χ² / ndf 1432 / 49
p0 921.8 ± 0.9454
1100
1050
1000
950
900
850
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

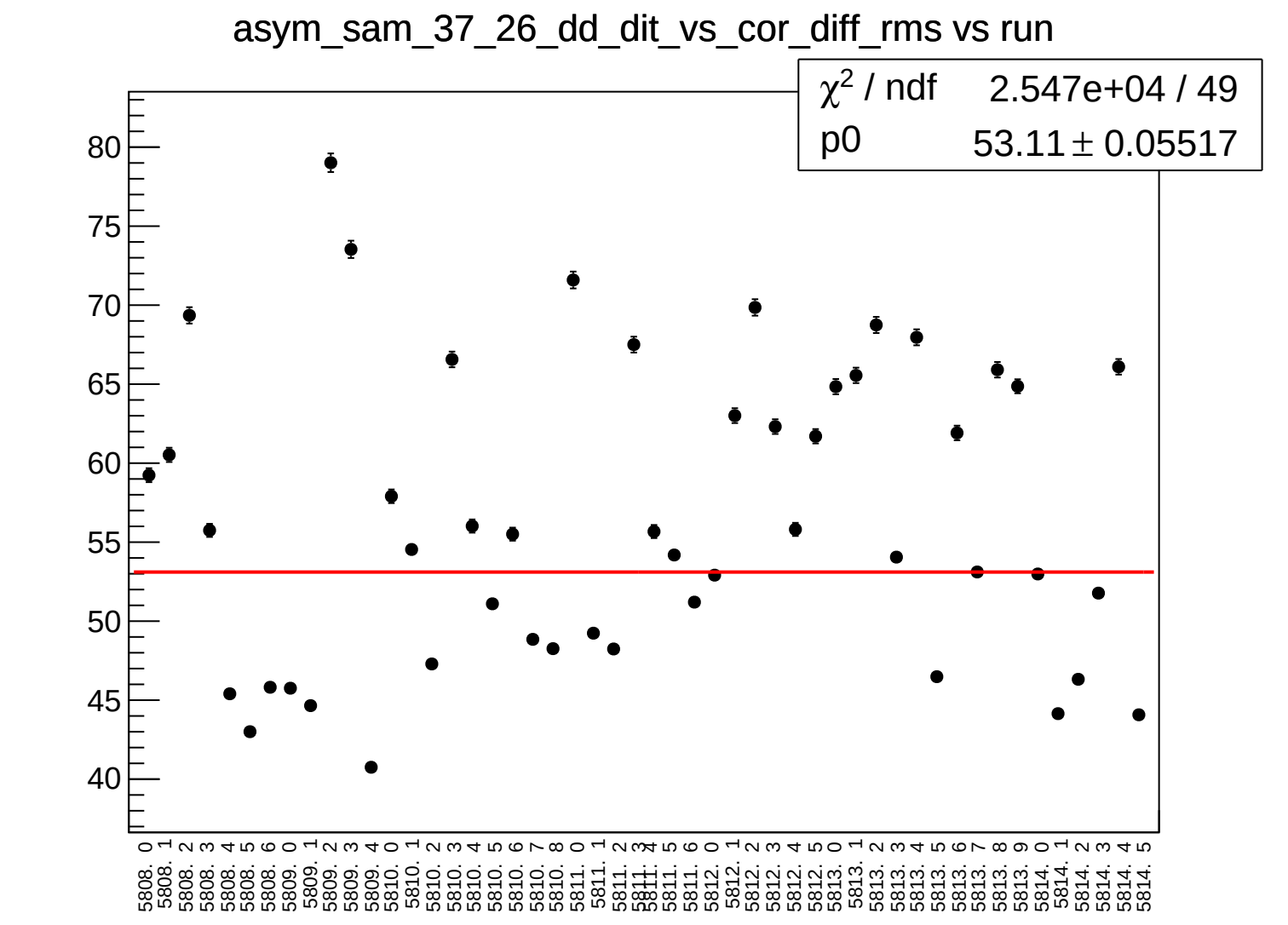

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 59.82 / 49
p0 −8.941e−14 ± 7.514e−14
0.0015
0.001
0.0005
0
−0.0005
pull
Entries 50
Mean 32.01
Std Dev 20.48
2
1
0
−1
−2
−3

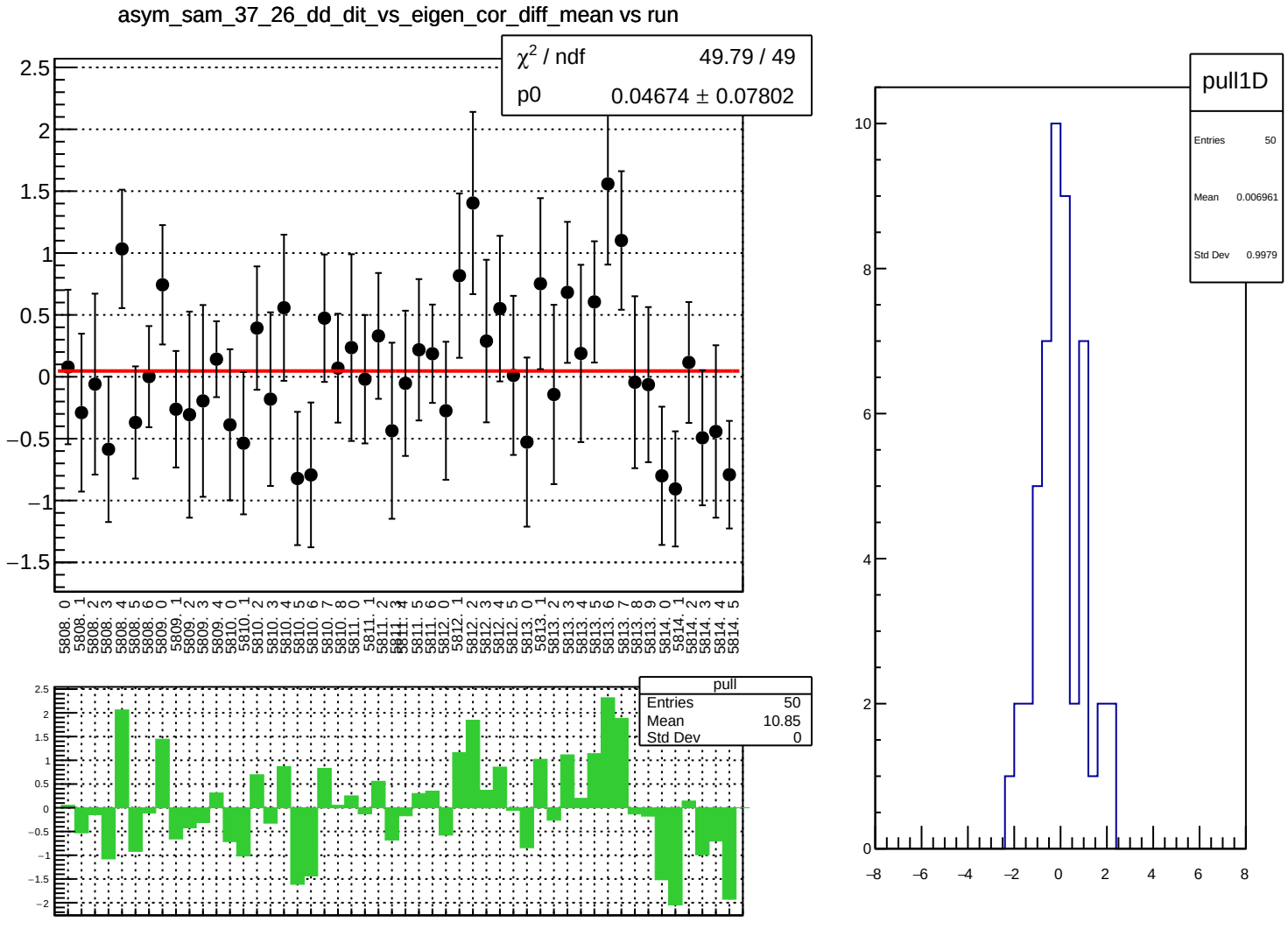

pull1D
Entries 50
Mean −0.1487
Std Dev 1.084
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

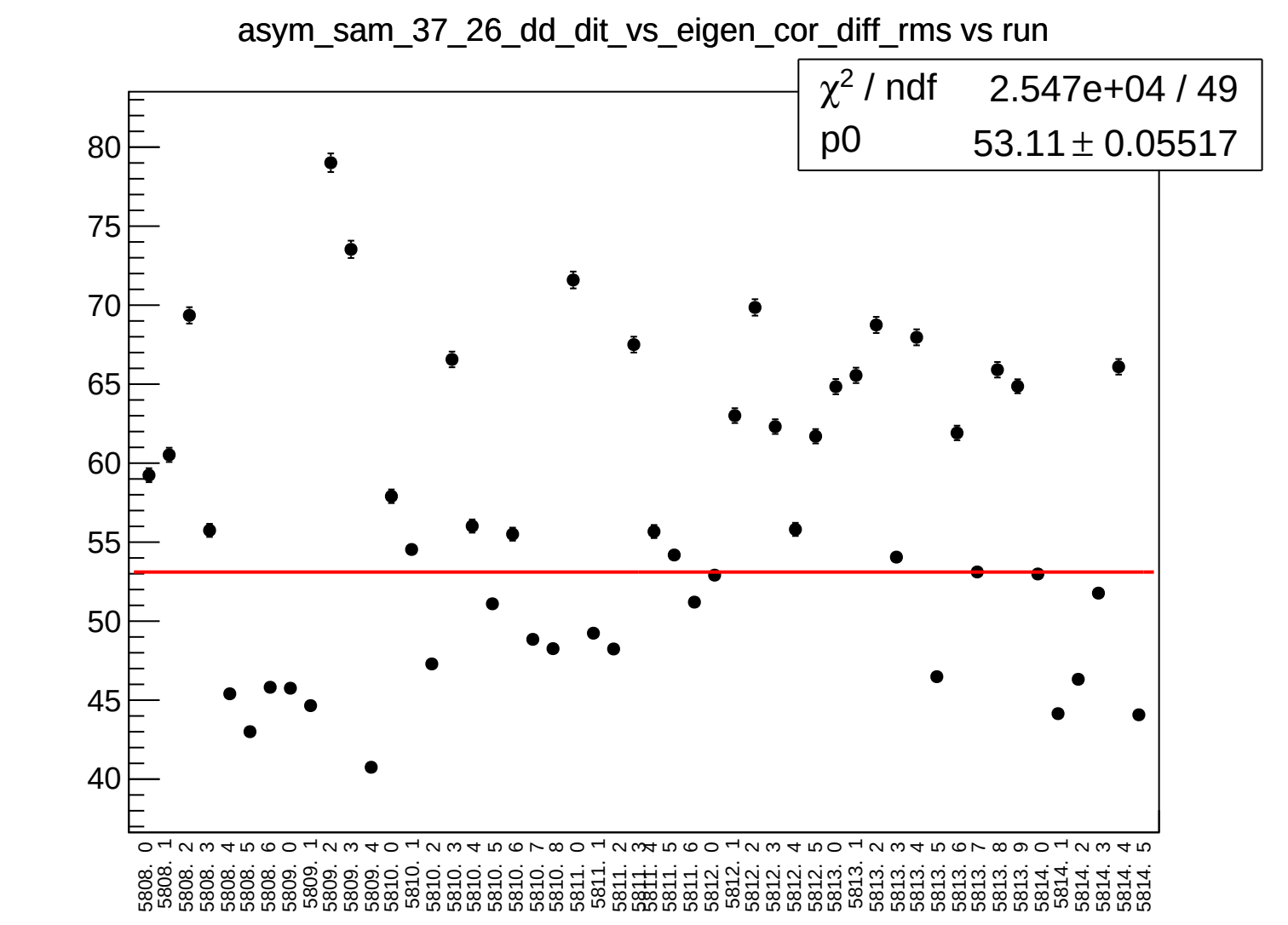

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 5.254e+05 / 49
p0 3.471e−11 ± 5.313e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

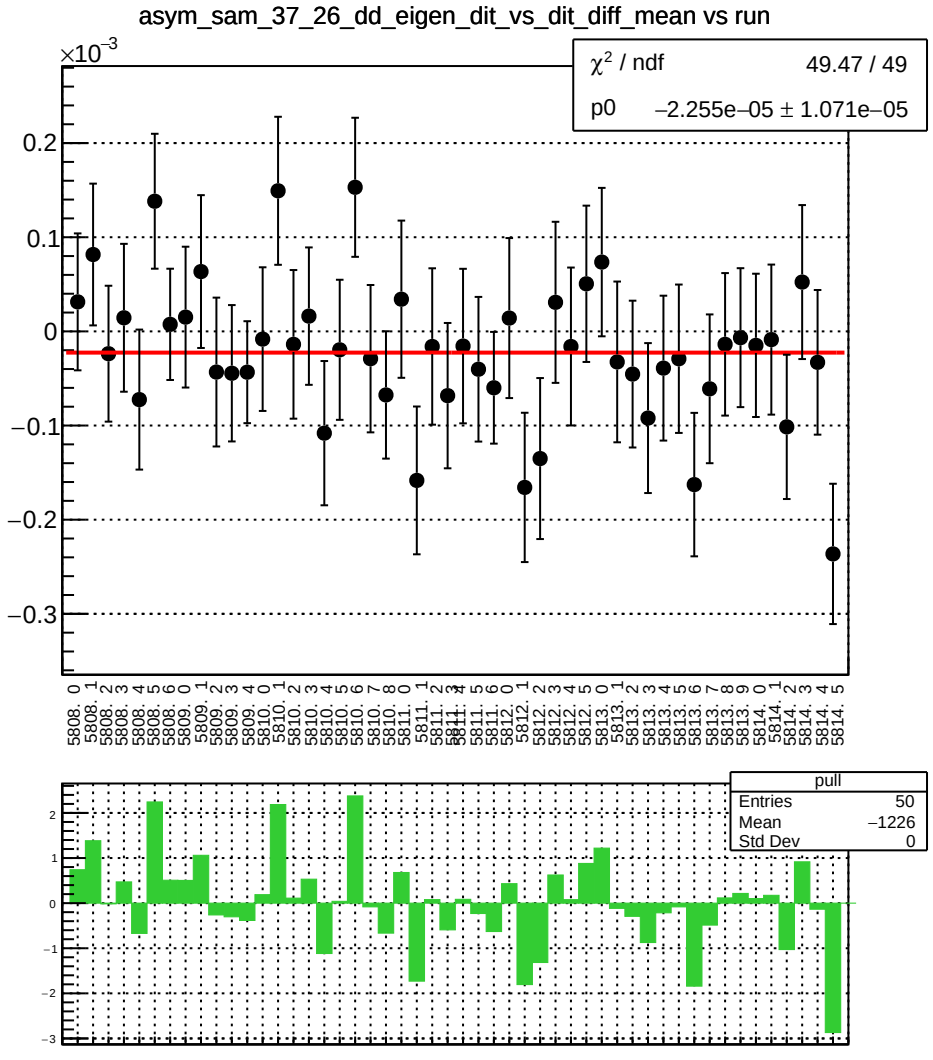

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.79 / 49
p0 0.04674 ± 0.07802
pull
Entries 50
Mean 10.85
Std Dev 0

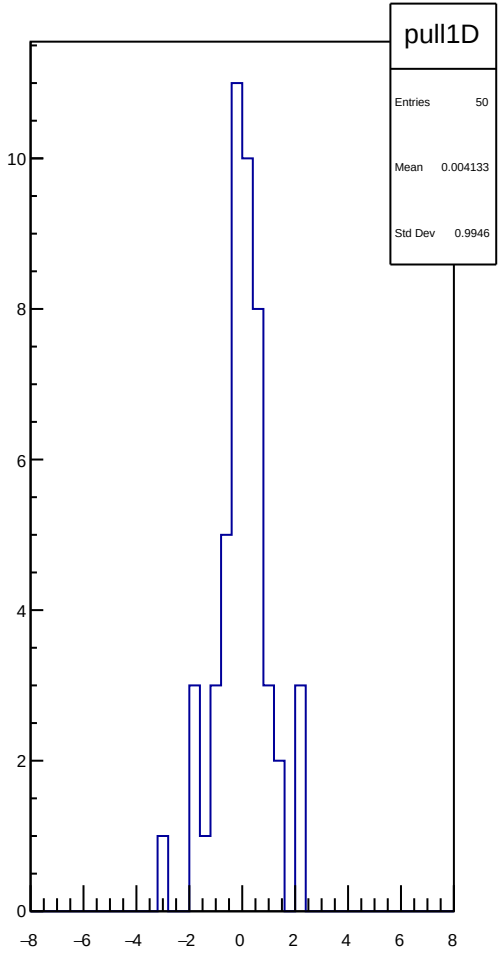

pull1D
Entries 50
Mean 0.006961
Std Dev 0.9979

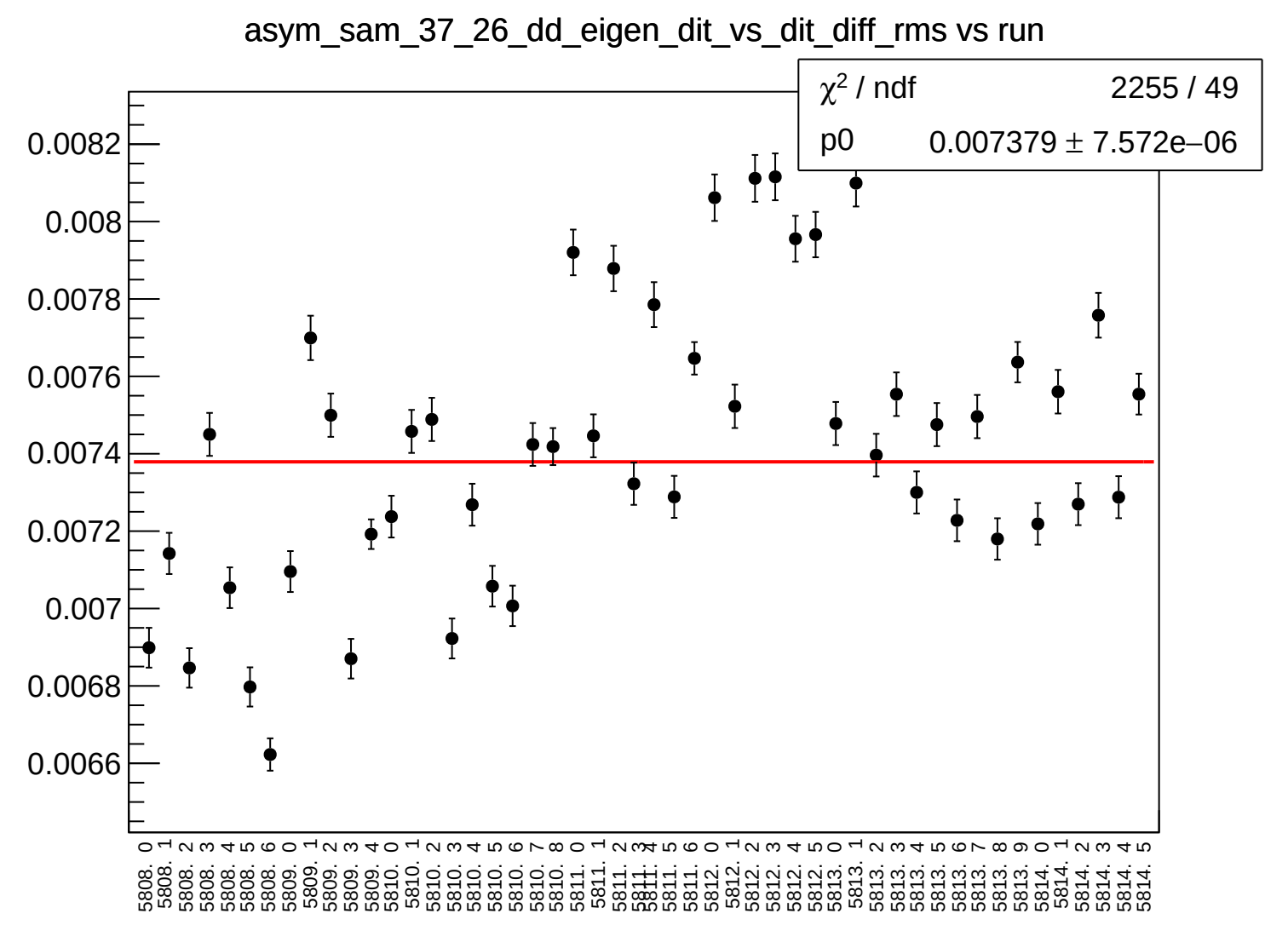

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ^2 / ndf 2.547e+04 / 49
p0 53.11 ± 0.05517
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

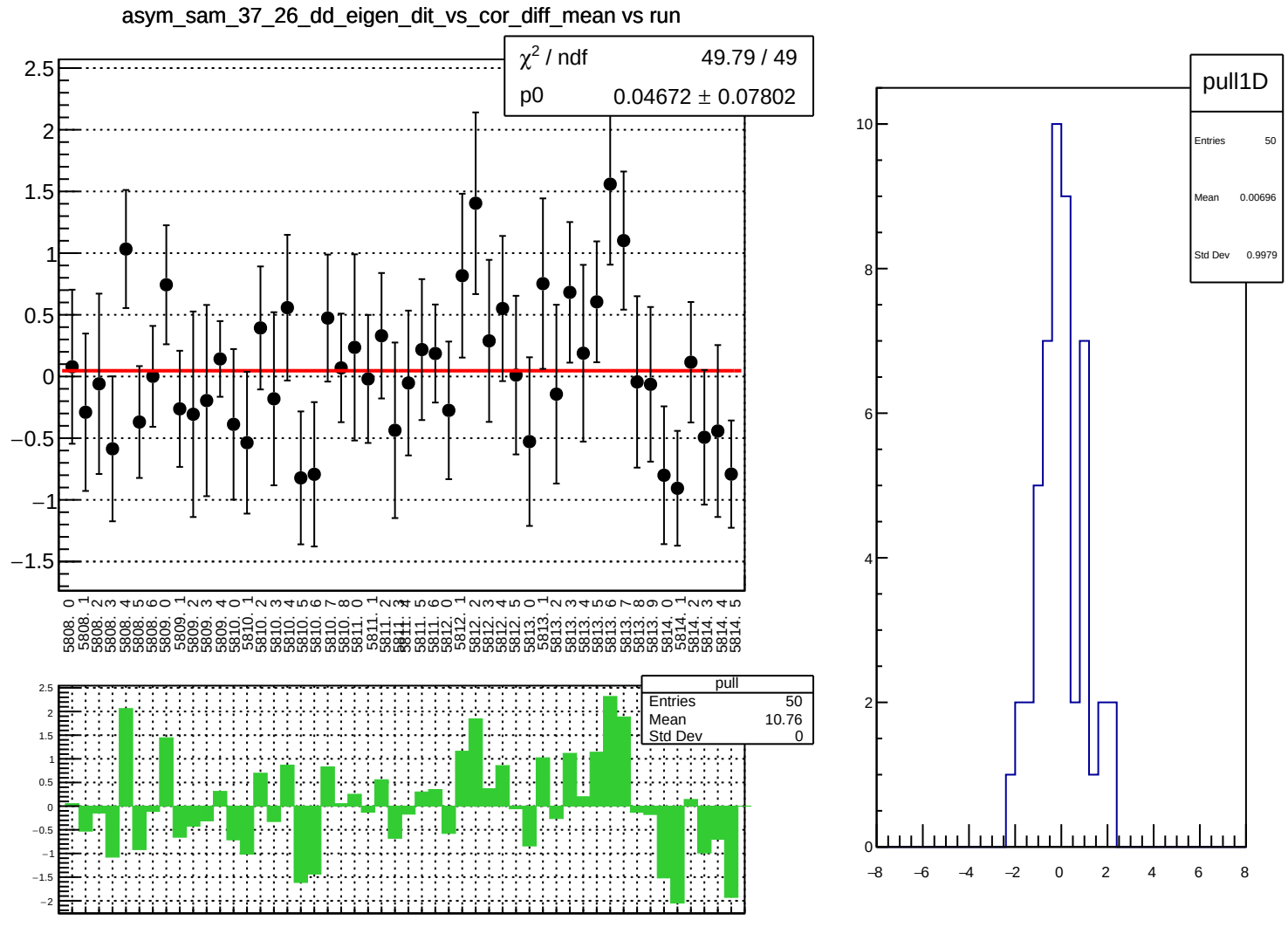

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.79 / 49
p0 0.04674 ± 0.07802
pull
Entries 50
Mean 10.85
Std Dev 0
pull1D
Entries 50
Mean 0.006961
Std Dev 0.9979

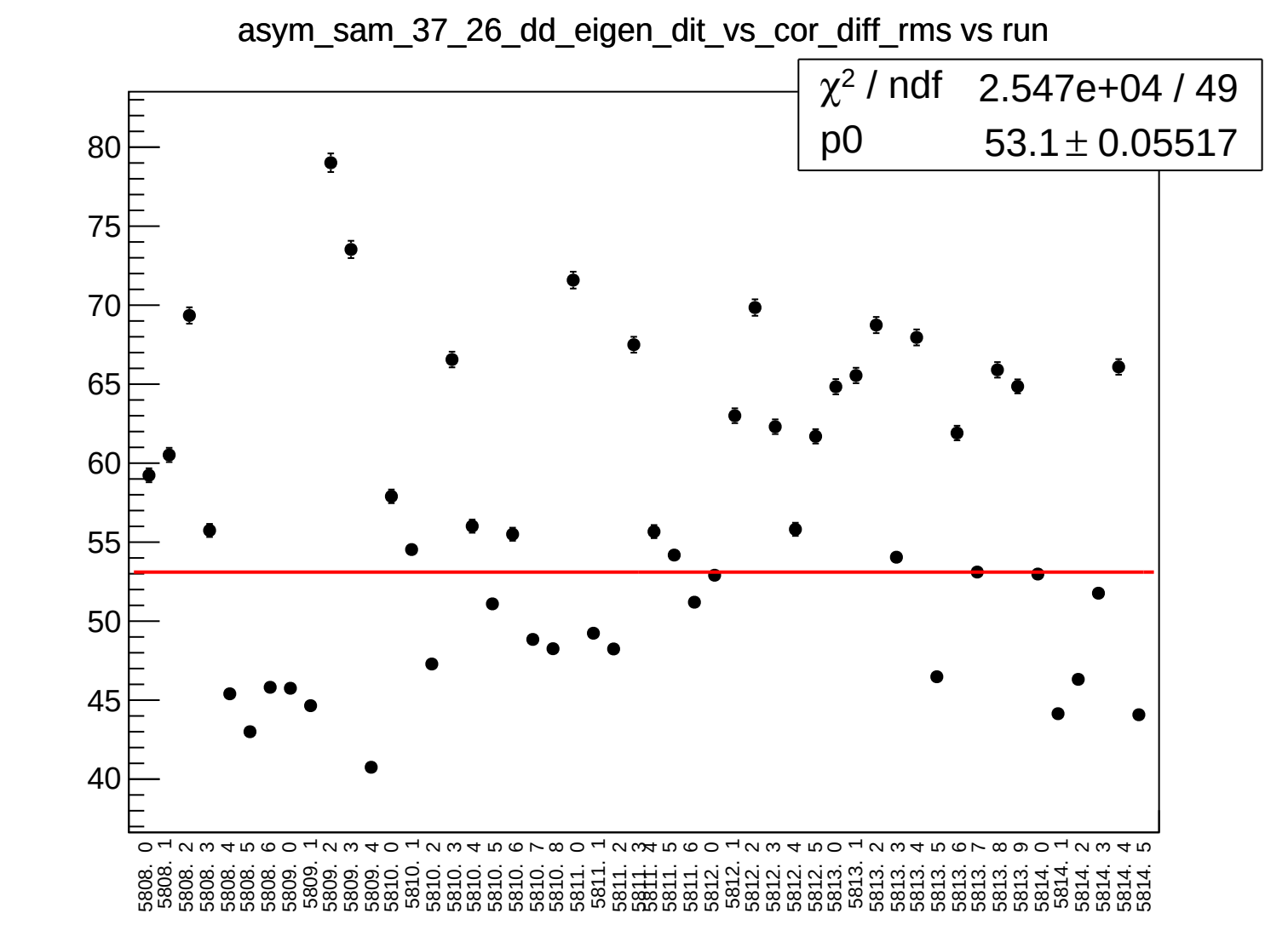

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.547e+04 / 49
p0 53.11 ± 0.05517
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

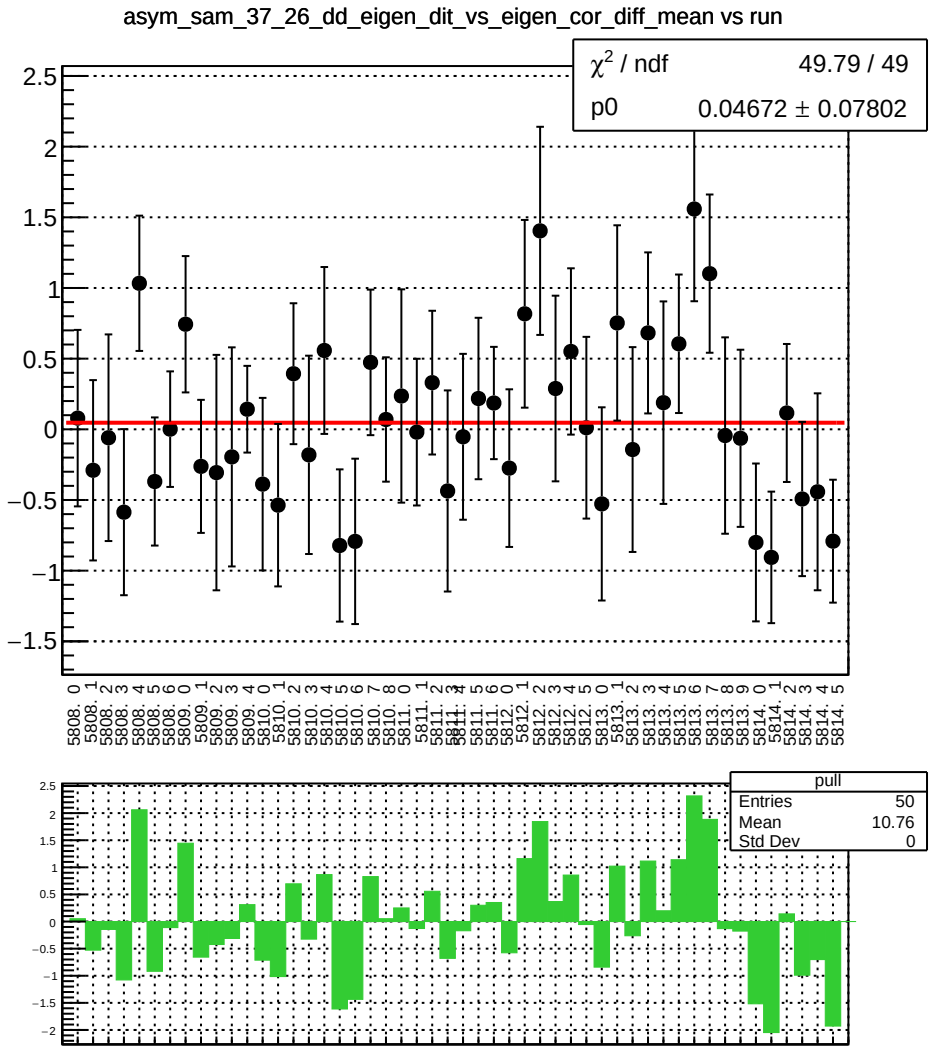

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 49.47 / 49
p0 −2.255e−05 ± 1.071e−05
pull
Entries 50
Mean −1226
Std Dev 0

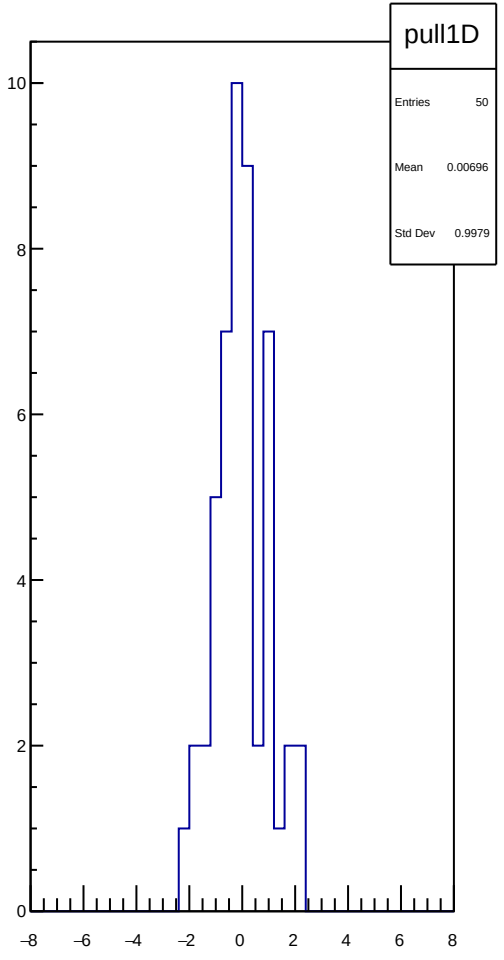

pull1D
Entries 50
Mean 0.004133
Std Dev 0.9946

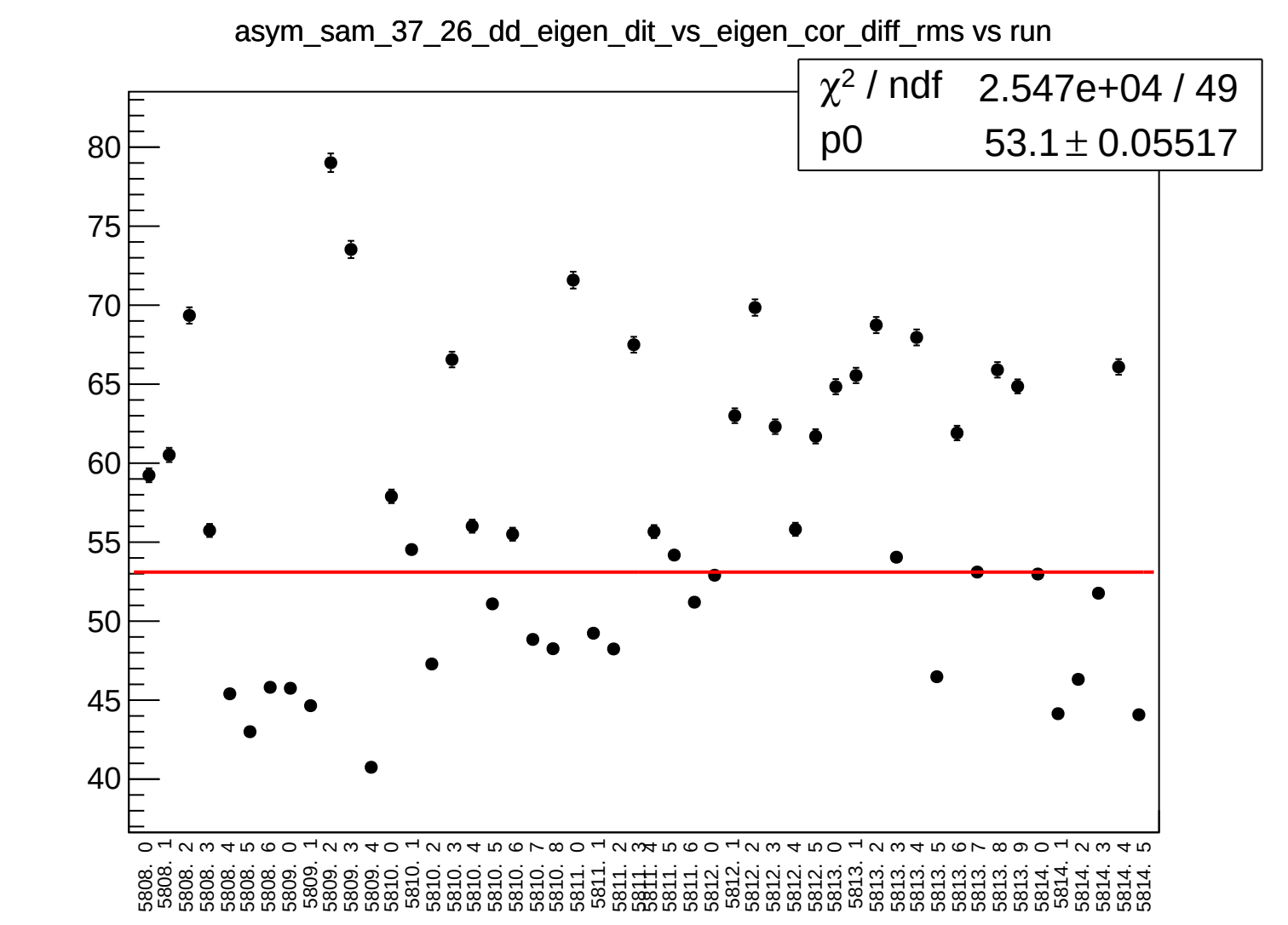

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2255 / 49
p0 0.007379 ± 7.572e−06
0.0082
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

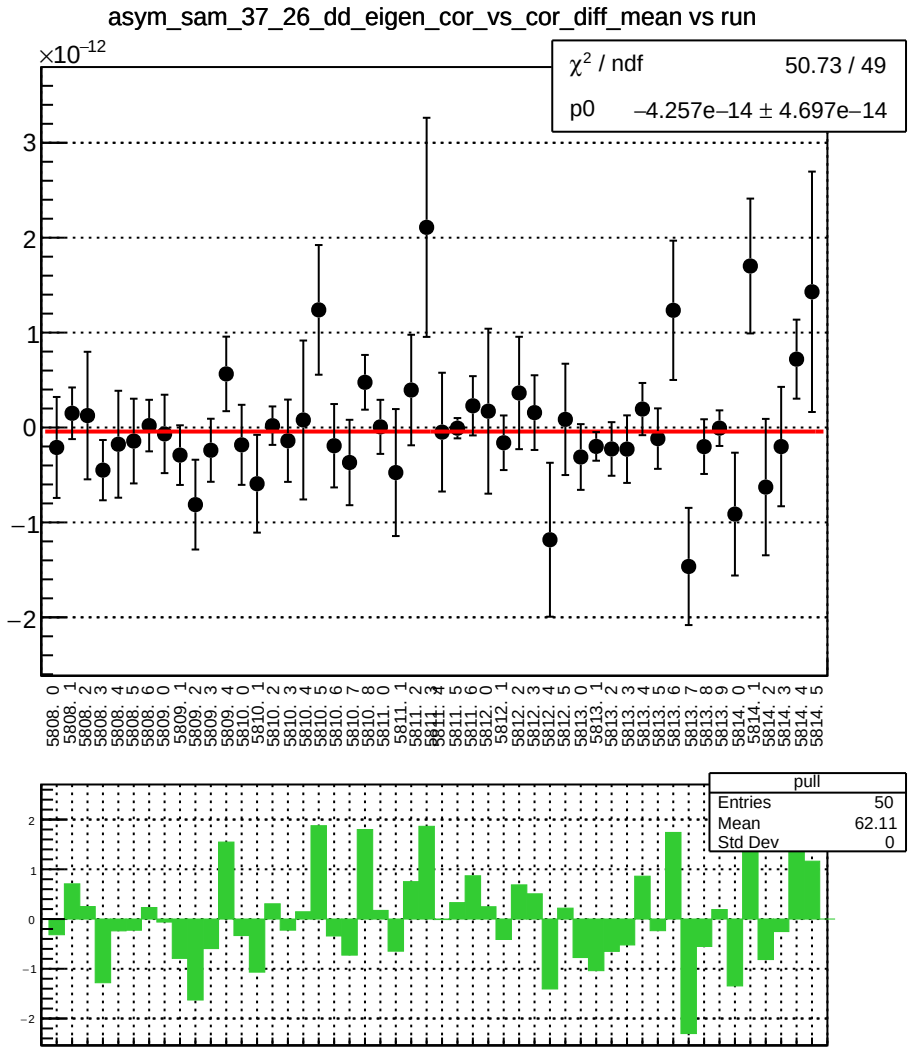

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.79 / 49
p0 0.04672 ± 0.07802
pull
Entries 50
Mean 10.76
Std Dev 0
pull1D
Entries 50
Mean 0.00696
Std Dev 0.9979

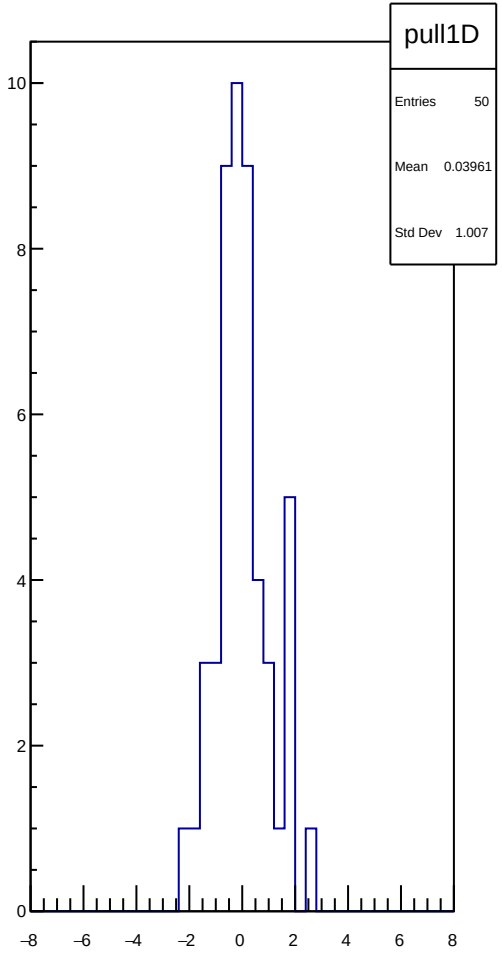

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.547e+04 / 49
p0 53.1 ± 0.05517
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

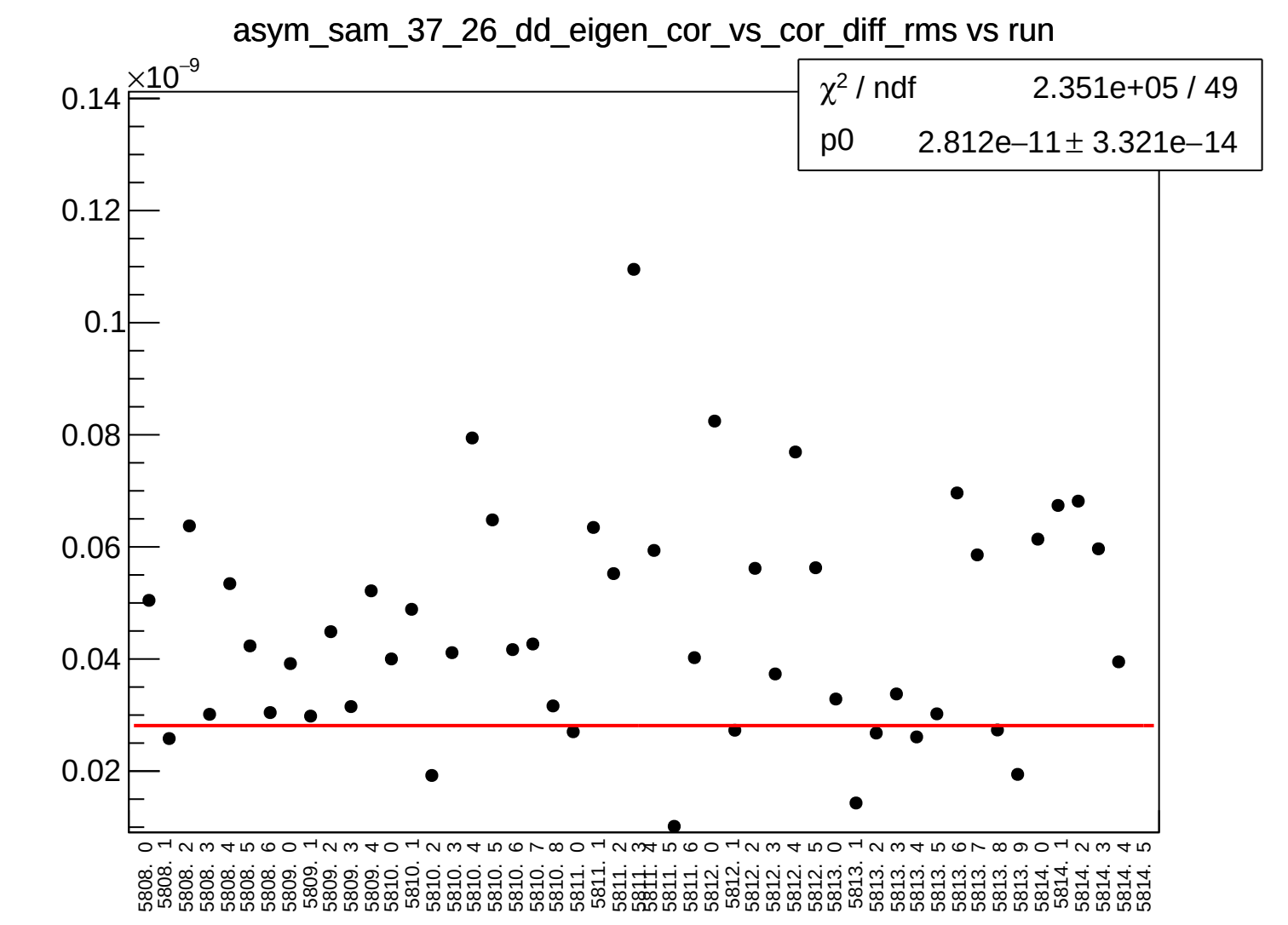

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.79 / 49
p0 0.04672 ± 0.07802
pull
Entries 50
Mean 10.76
Std Dev 0

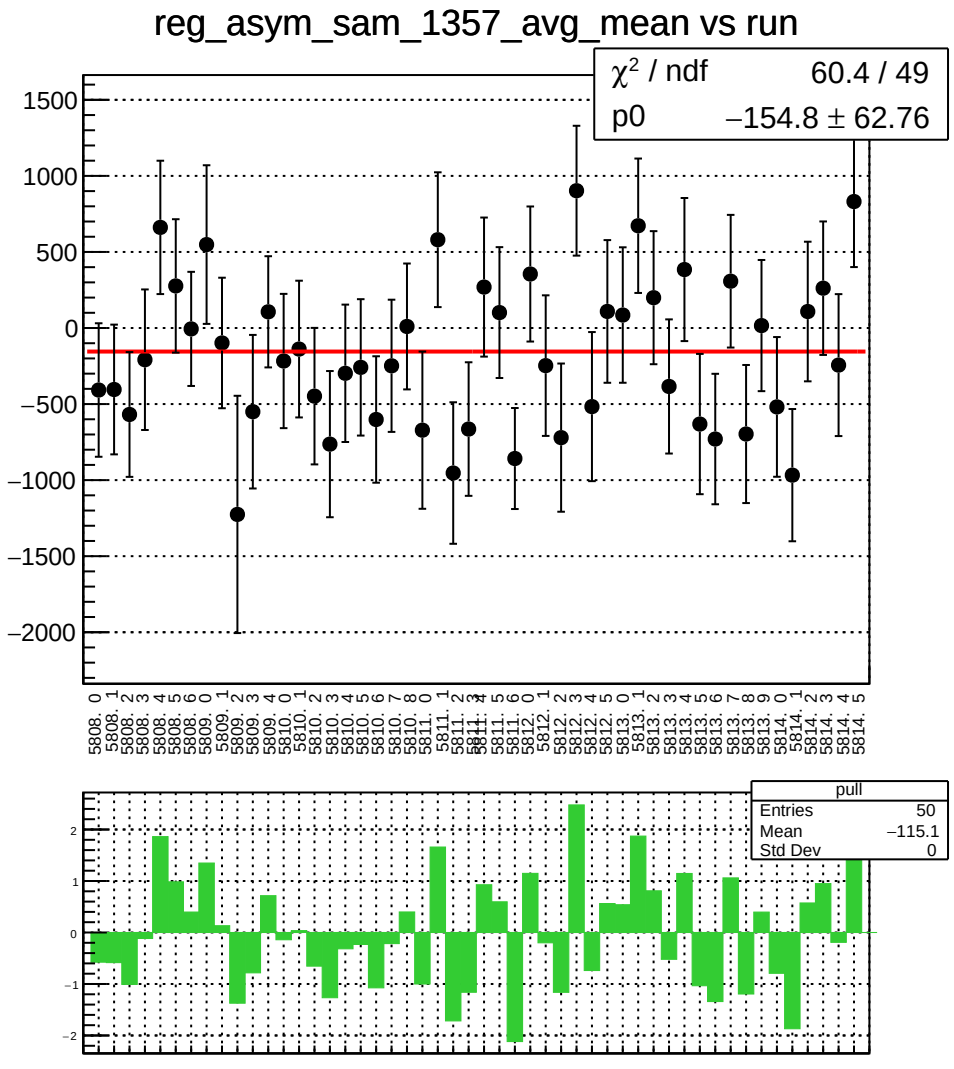

pull1D
Entries 50
Mean 0.00696
Std Dev 0.9979

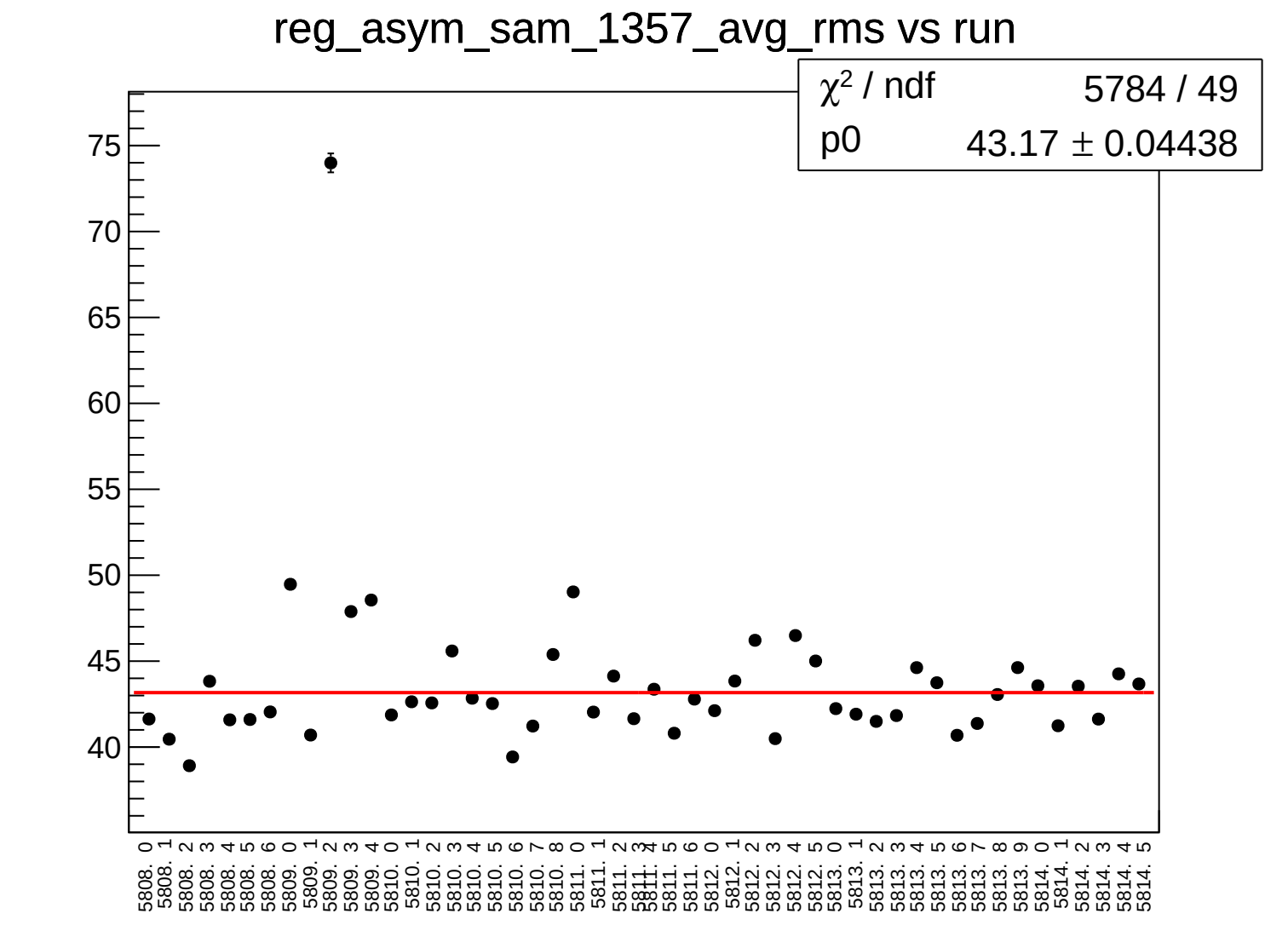

asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.547e+04 / 49
p0 53.1 ± 0.05517
80
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

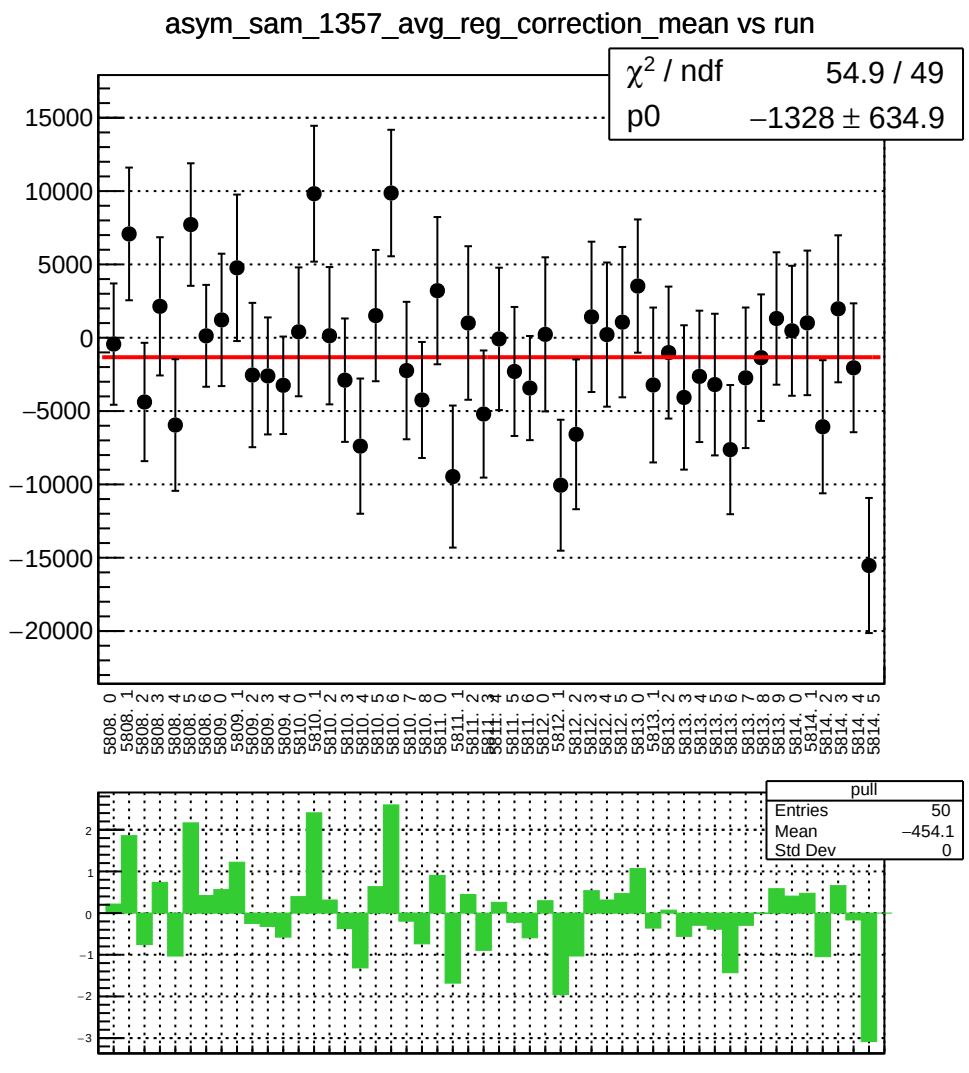

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.73 / 49
p0 −4.257e−14 ± 4.697e−14
pull
Entries 50
Mean 62.11
Std Dev 0

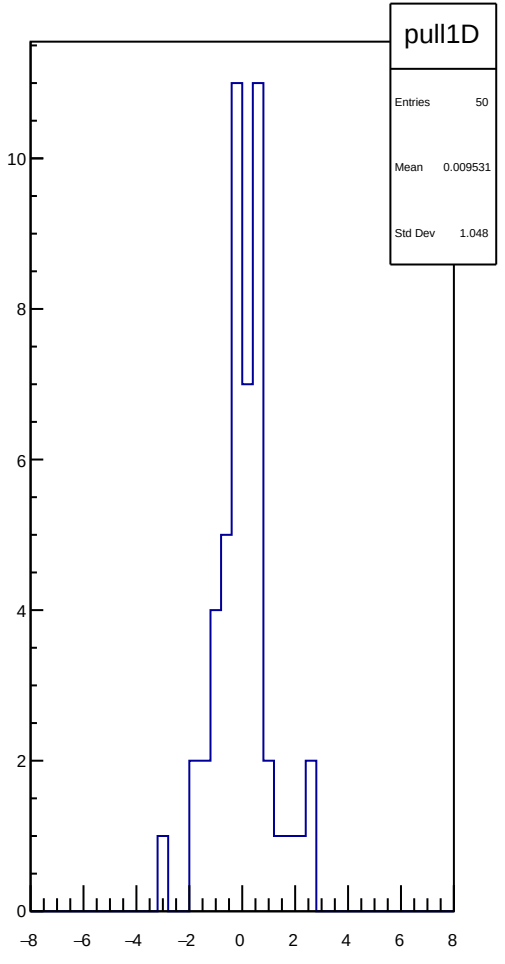

pull1D
Entries 50
Mean 0.03961
Std Dev 1.007

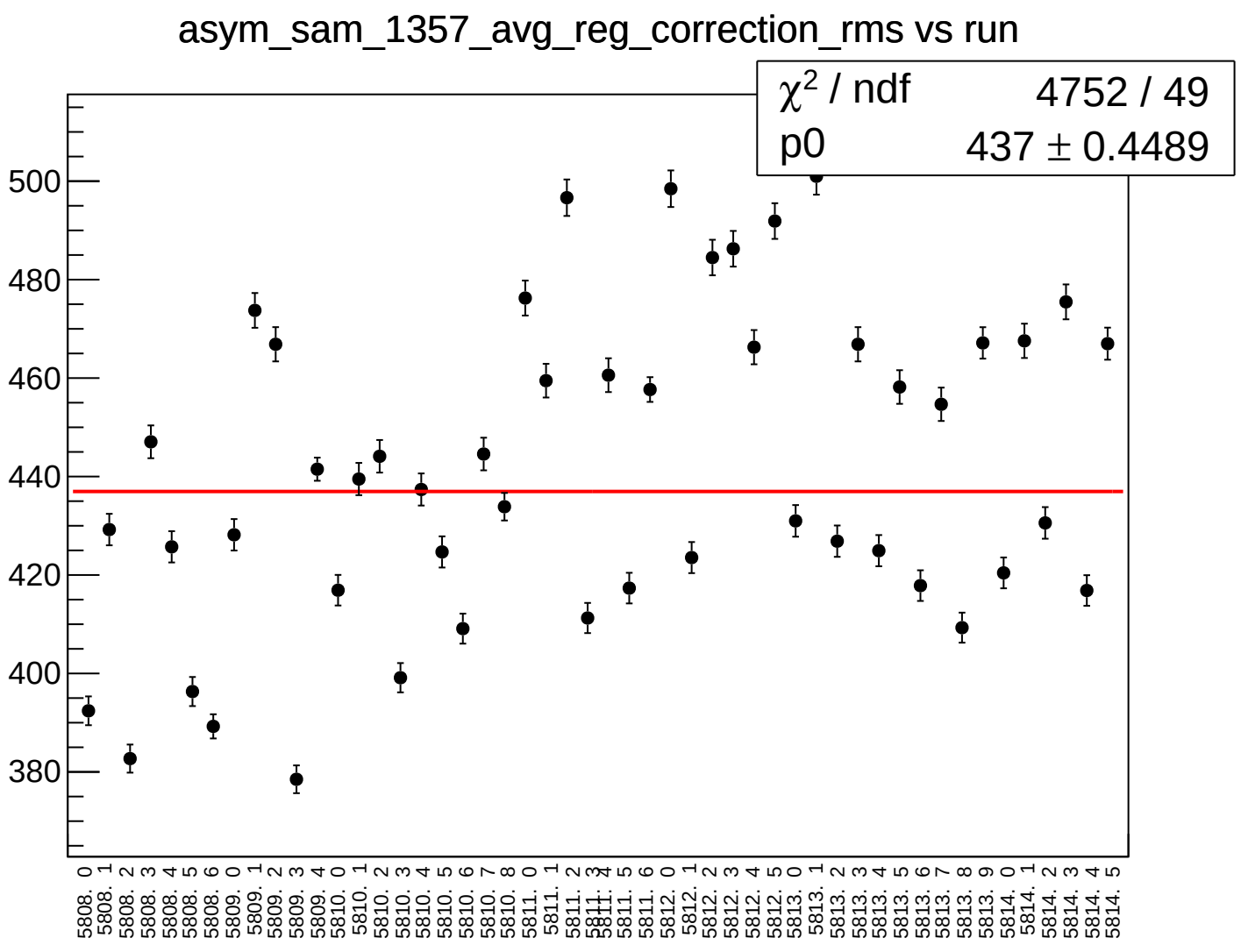

asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.351e+05 / 49
p0 2.812e−11 ± 3.321e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

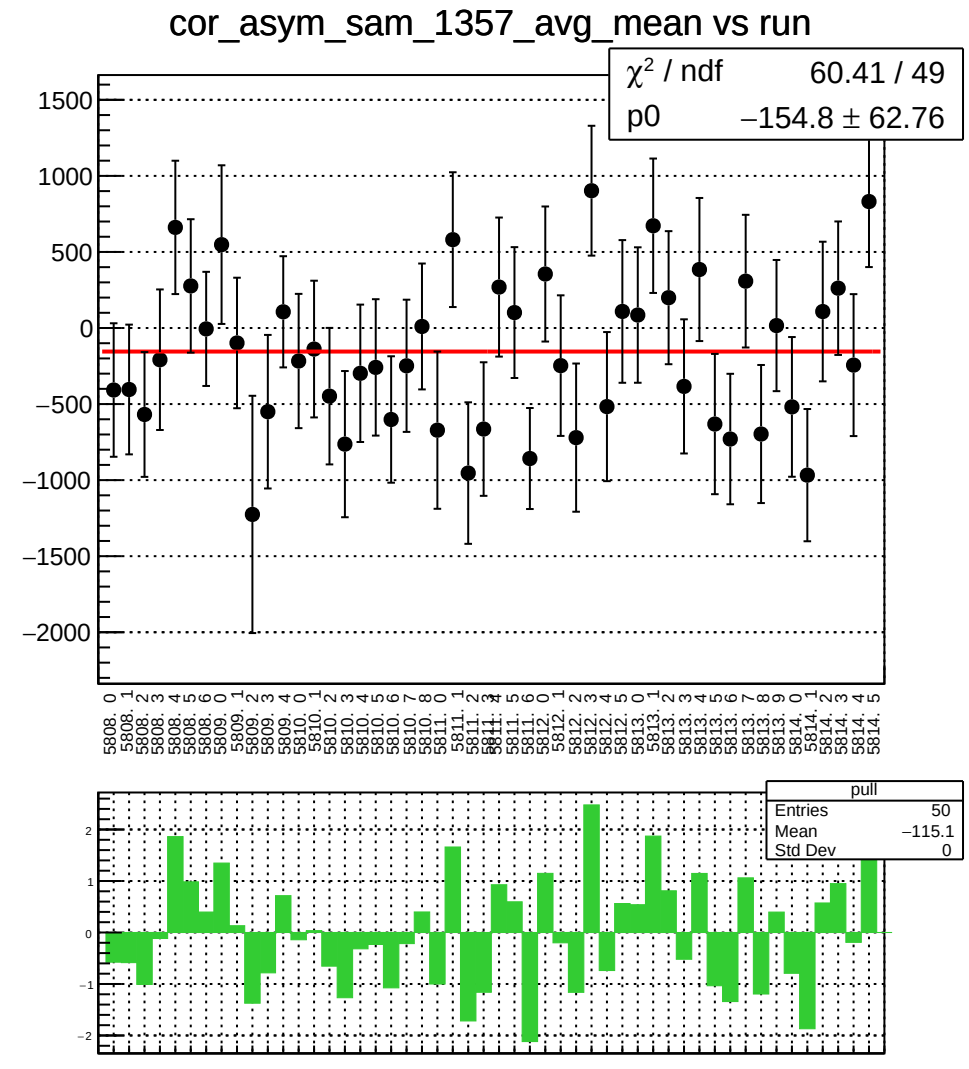

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 60.4 / 49
p0 −154.8 ± 62.76
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −115.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.009992
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

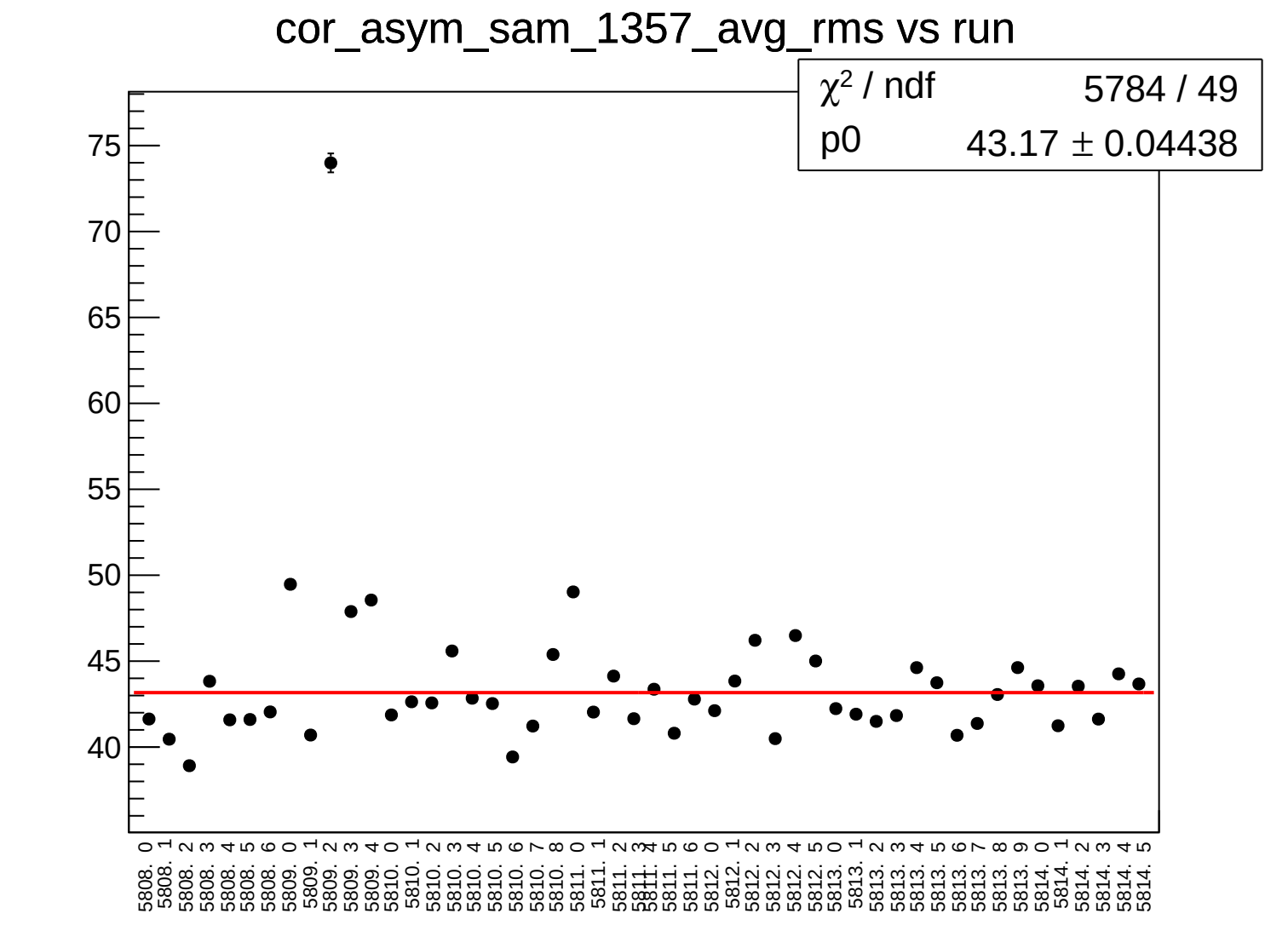

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 5784 / 49
p0 43.17 ± 0.04438
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

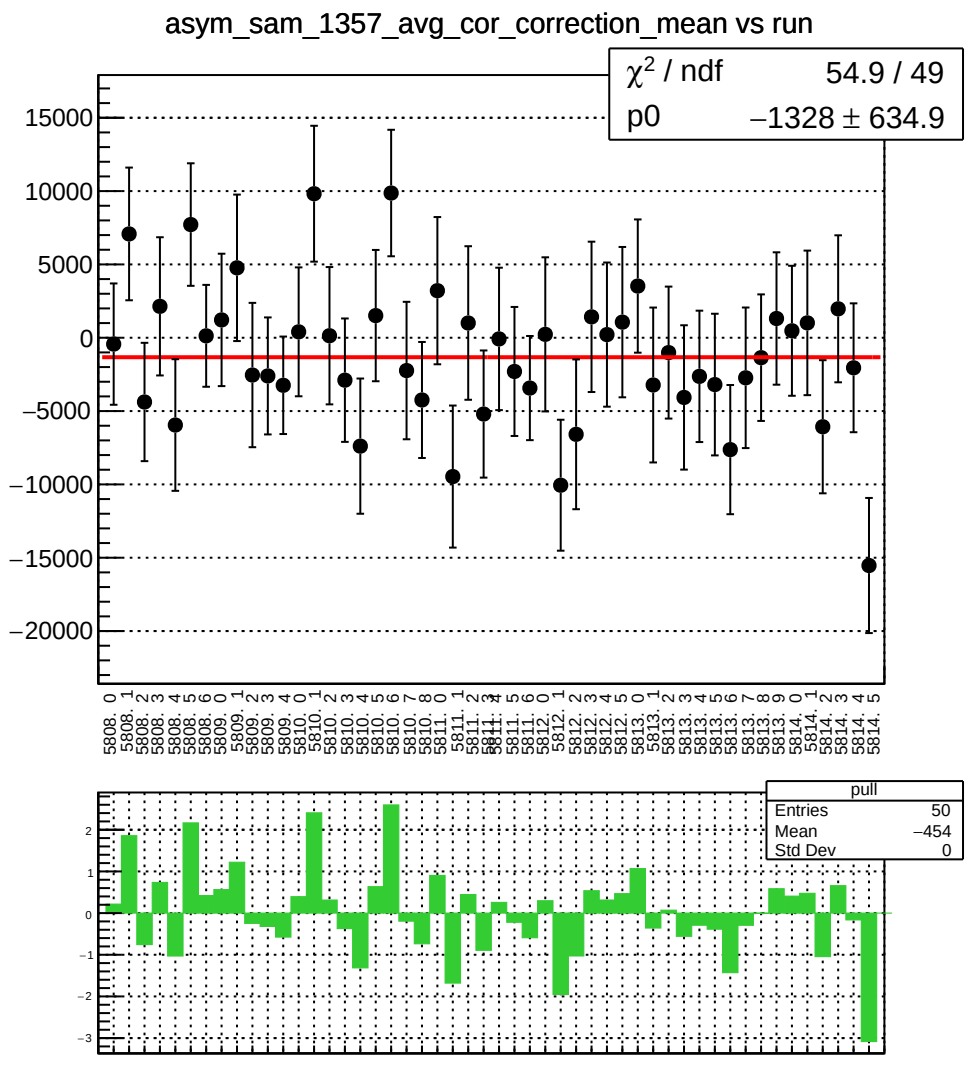

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 54.9 / 49
p0 −1328 ± 634.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −454.1
Std Dev 0
2
1
0
−1
−2
−3

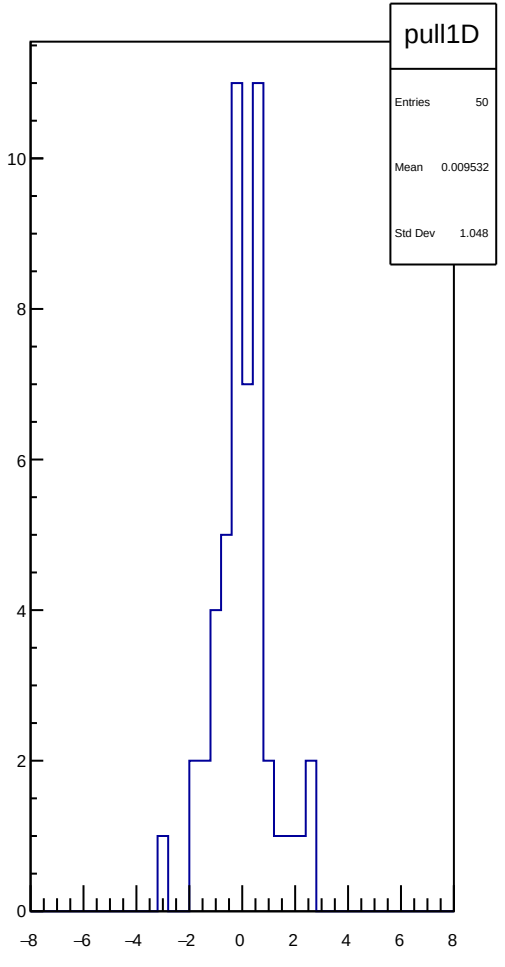

pull1D
Entries 50
Mean 0.009531
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

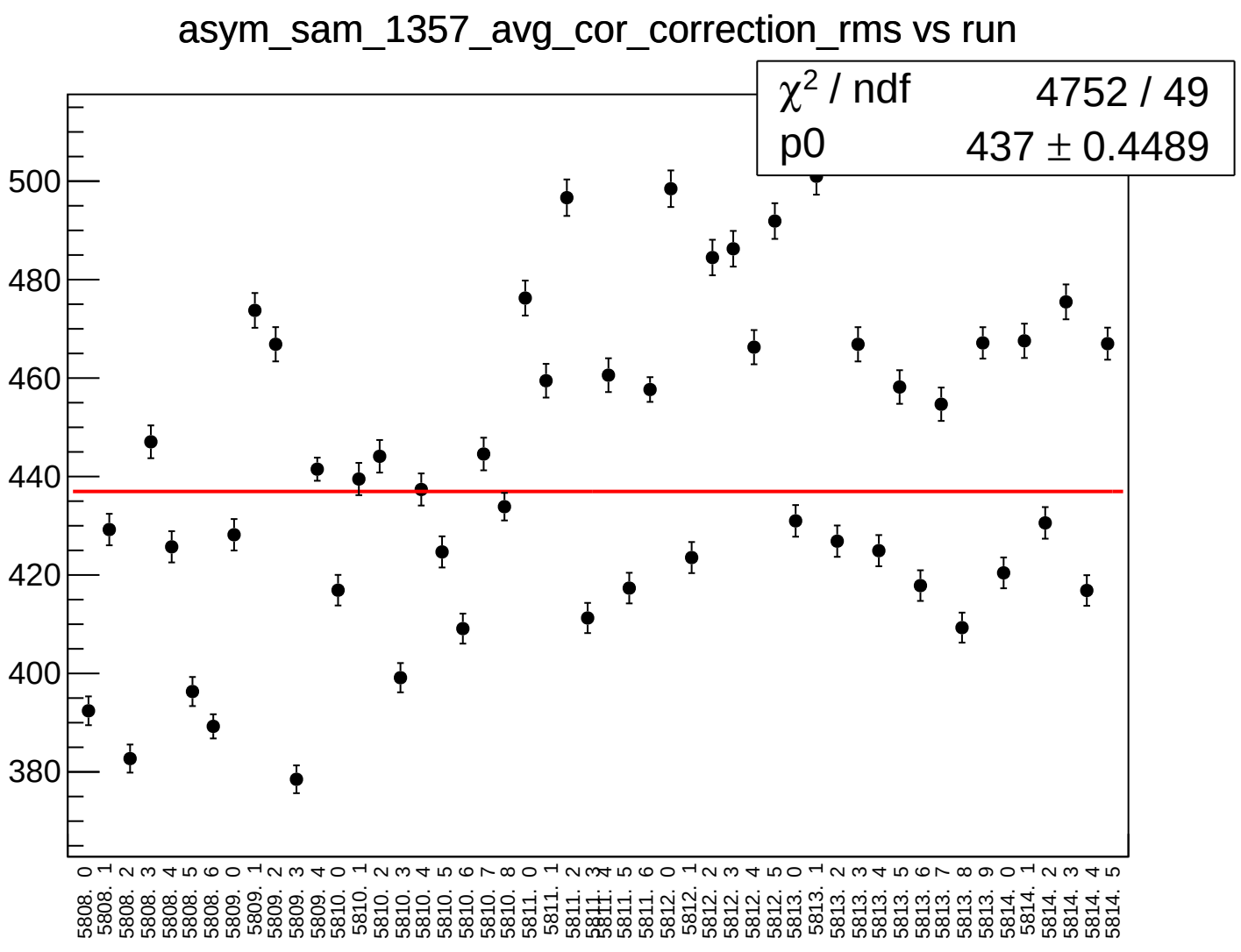

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 4752 / 49
p0 437 ± 0.4489
500
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

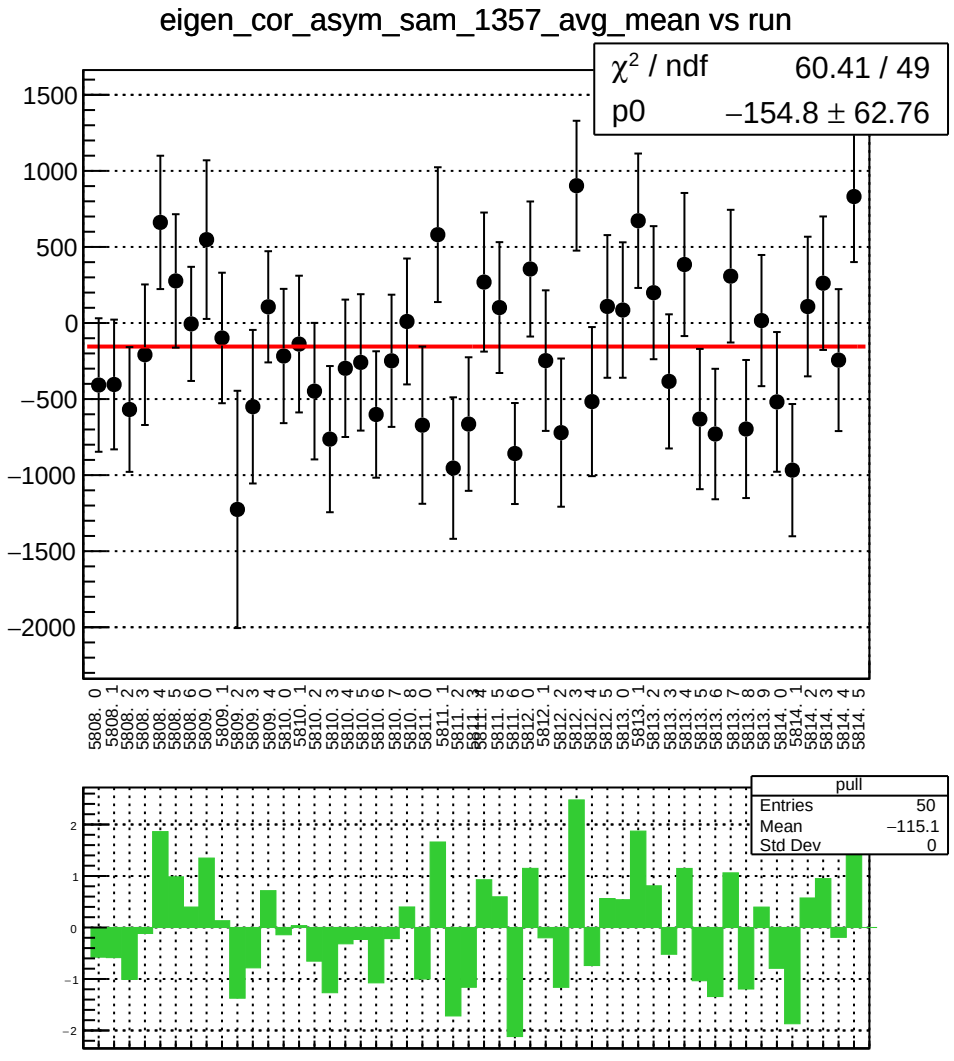

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 60.41 / 49
p0 −154.8 ± 62.76
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −115.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.009994
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

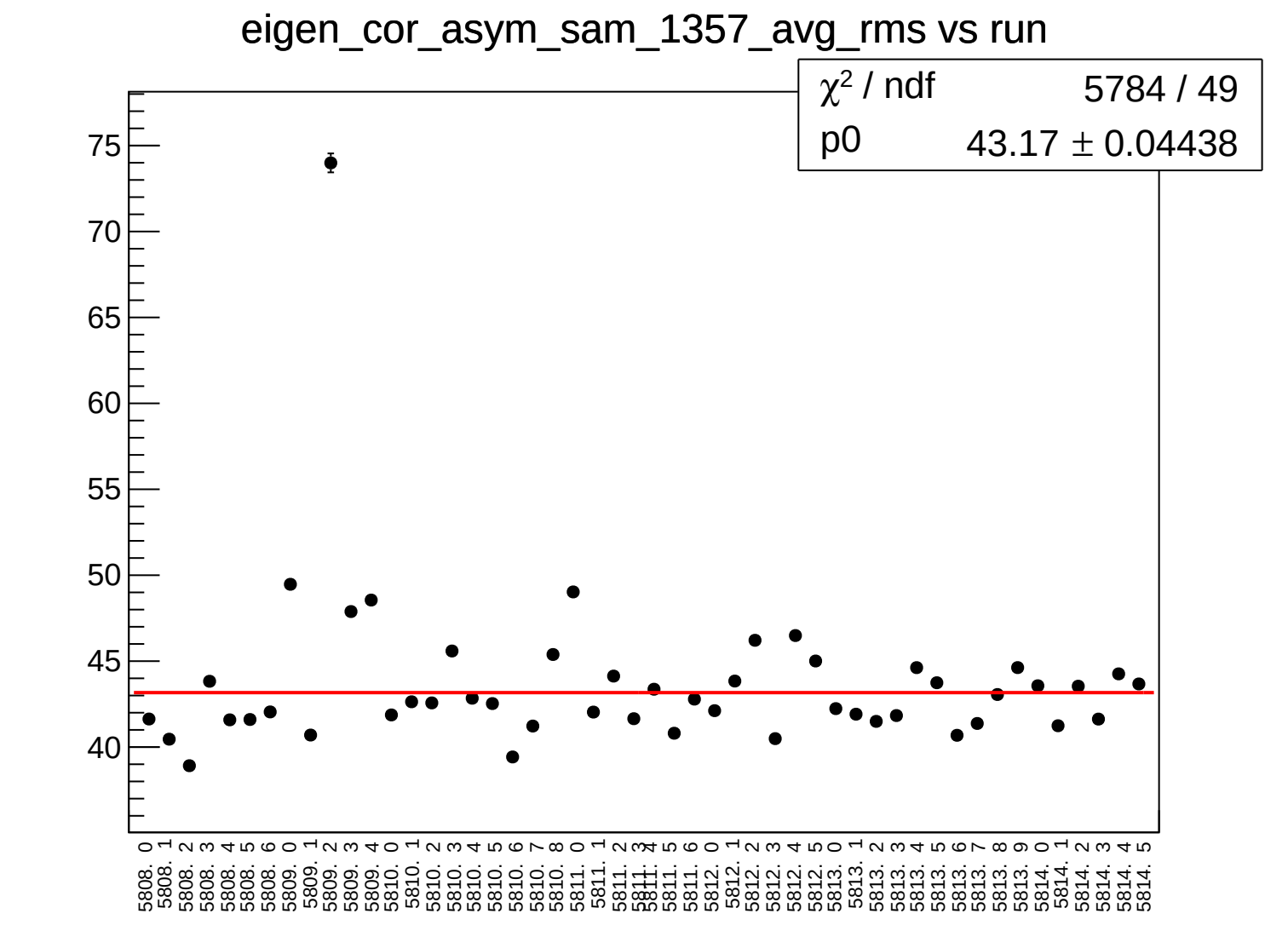

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 5784 / 49
p0 43.17 ± 0.04438
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

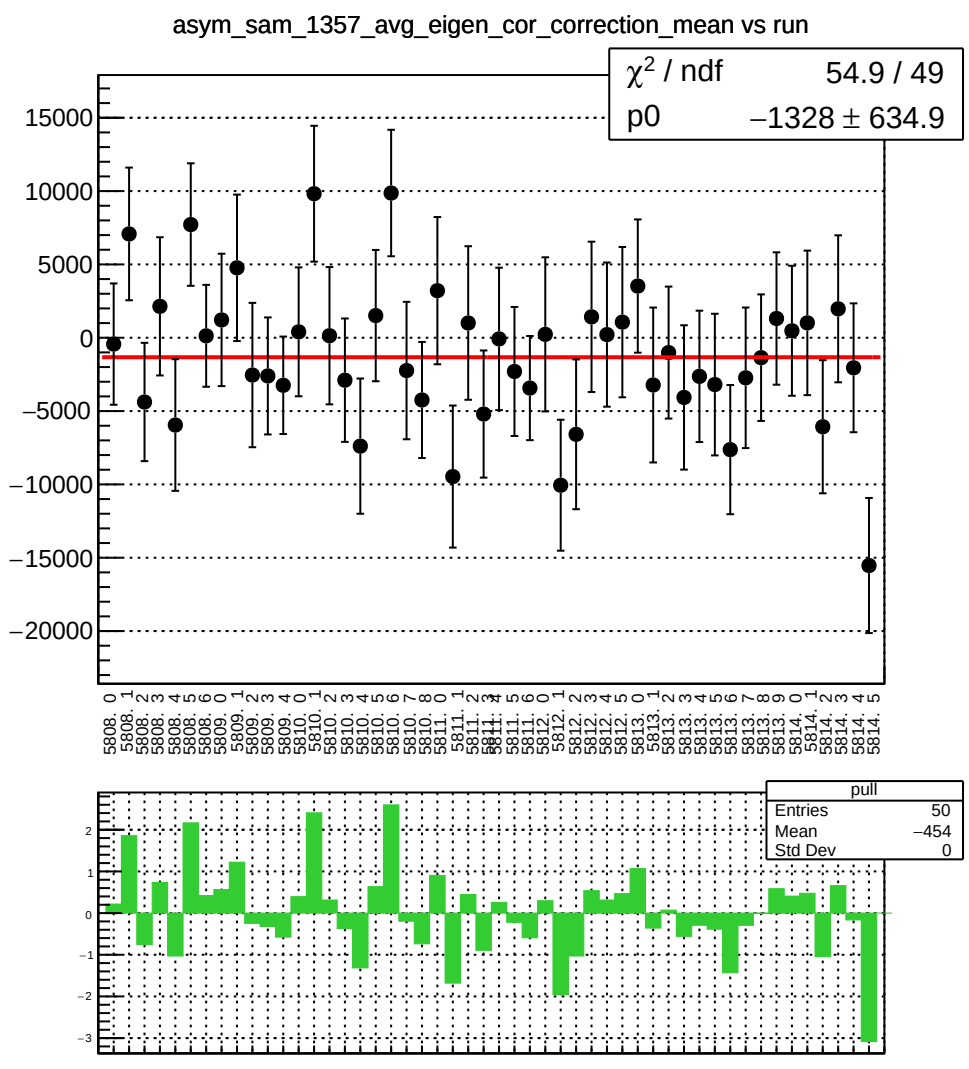

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 54.9 / 49
p0 −1328 ± 634.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −454
Std Dev 0
2
1
0
−1
−2
−3

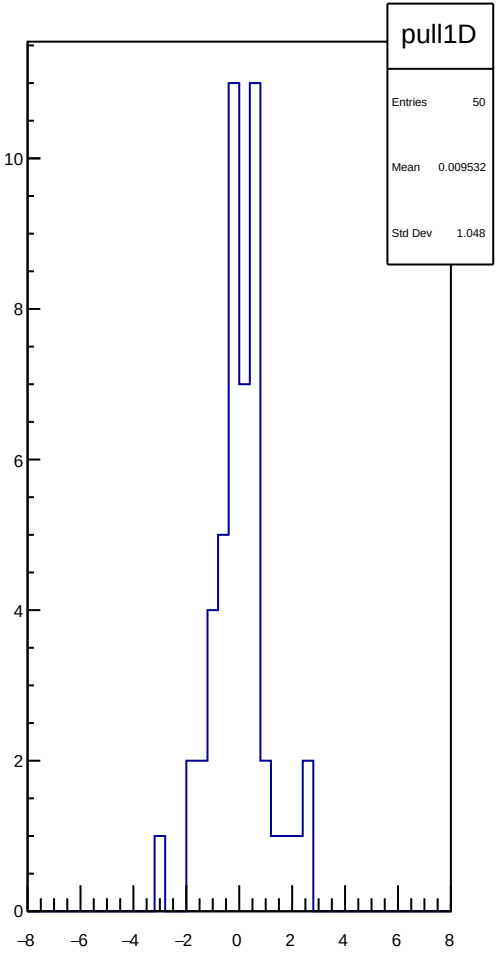

pull1D
Entries 50
Mean 0.009532
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

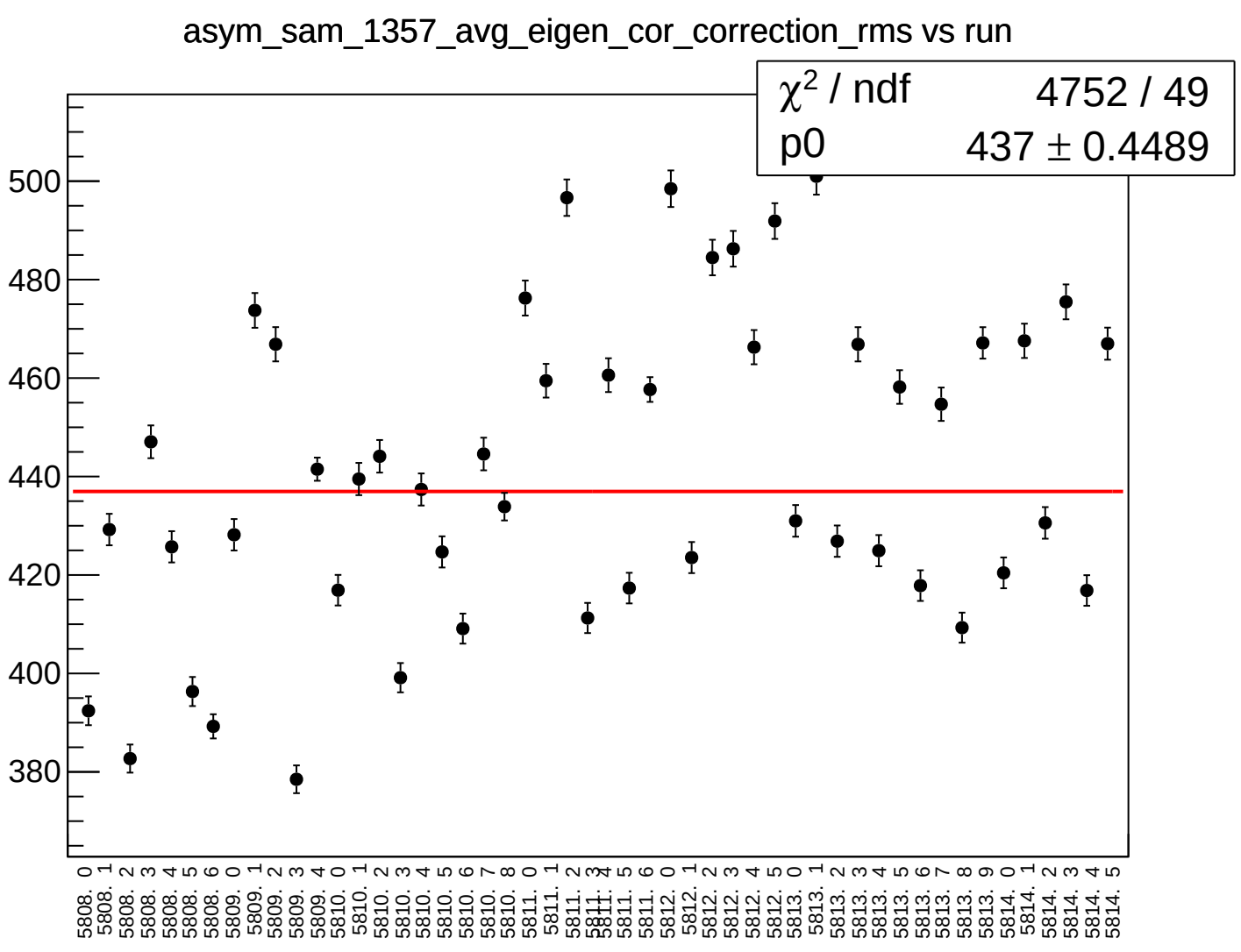

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 4752 / 49
p0 437 ± 0.4489
500
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

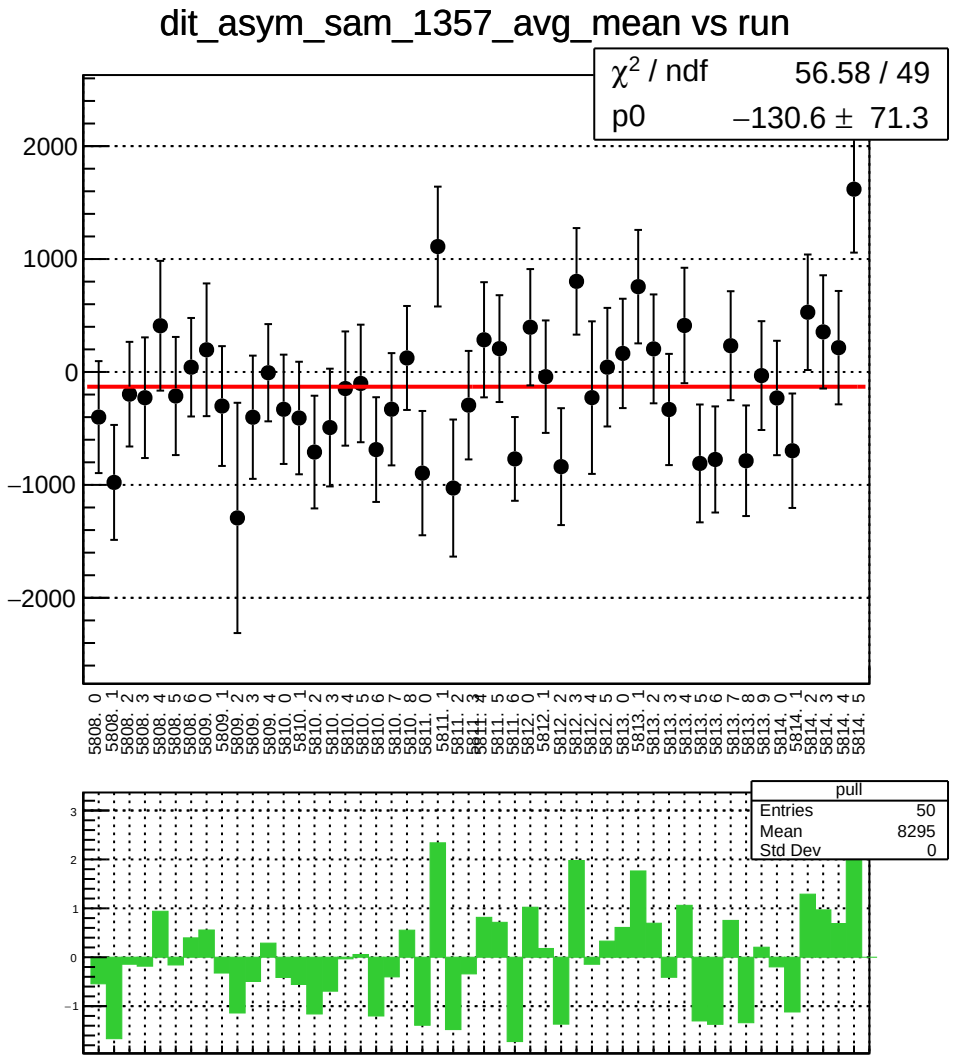

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 60.41 / 49
p0 −154.8 ± 62.76
1500
1000
500
0
−500
−1000
−1500
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −115.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.009994
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

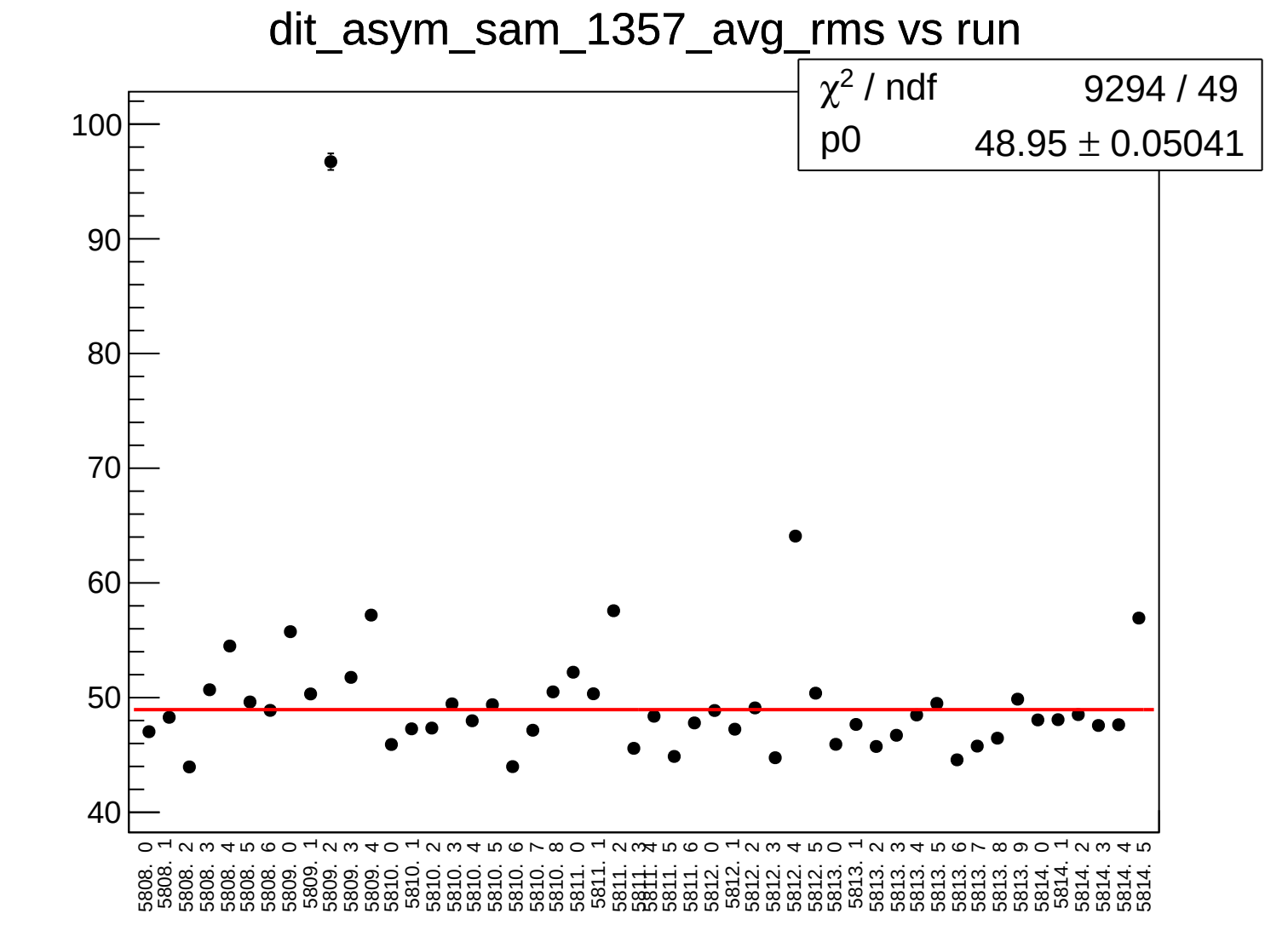

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 5784 / 49
p0 43.17 ± 0.04438
75
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

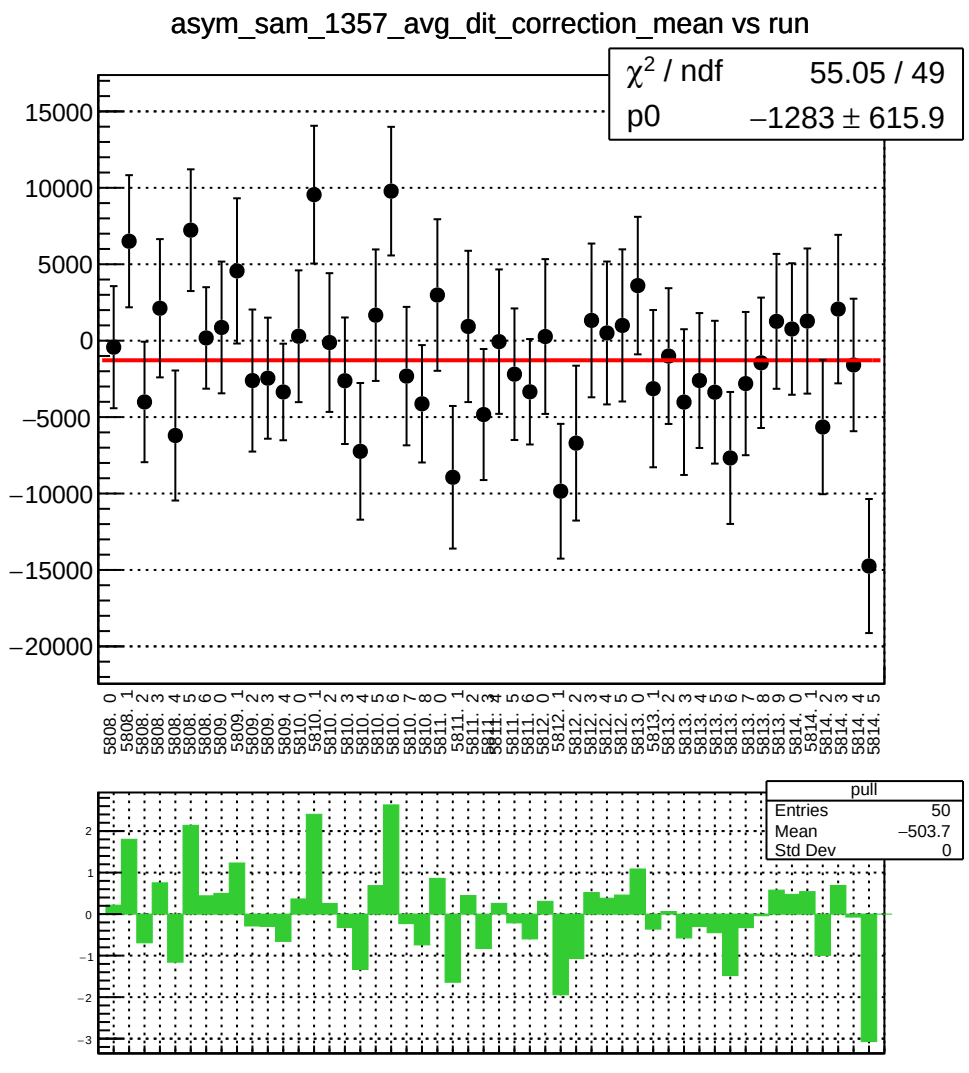

asym_sam_1357_avg_eigen_cor_correction_mean vs run
χ² / ndf 54.9 / 49
p0 −1328 ± 634.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −454
Std Dev 0
2
1
0
−1
−2
−3

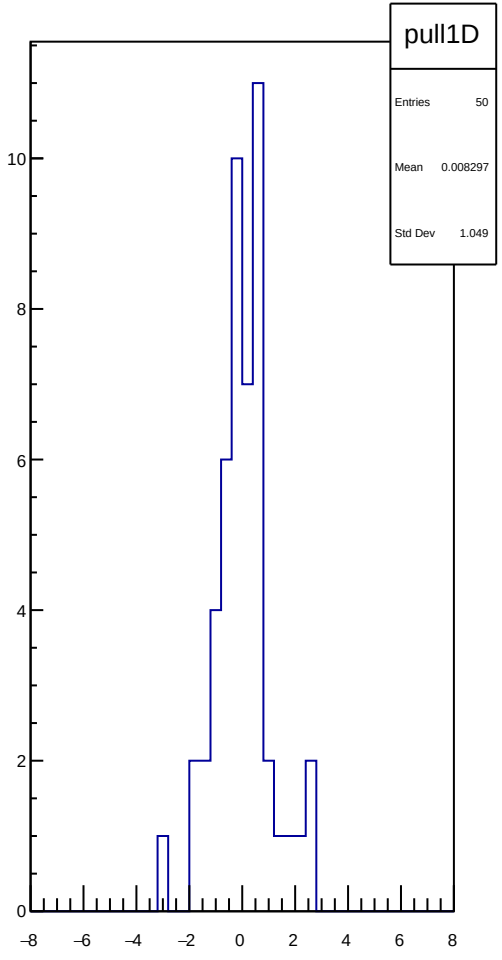

pull1D
Entries 50
Mean 0.009532
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

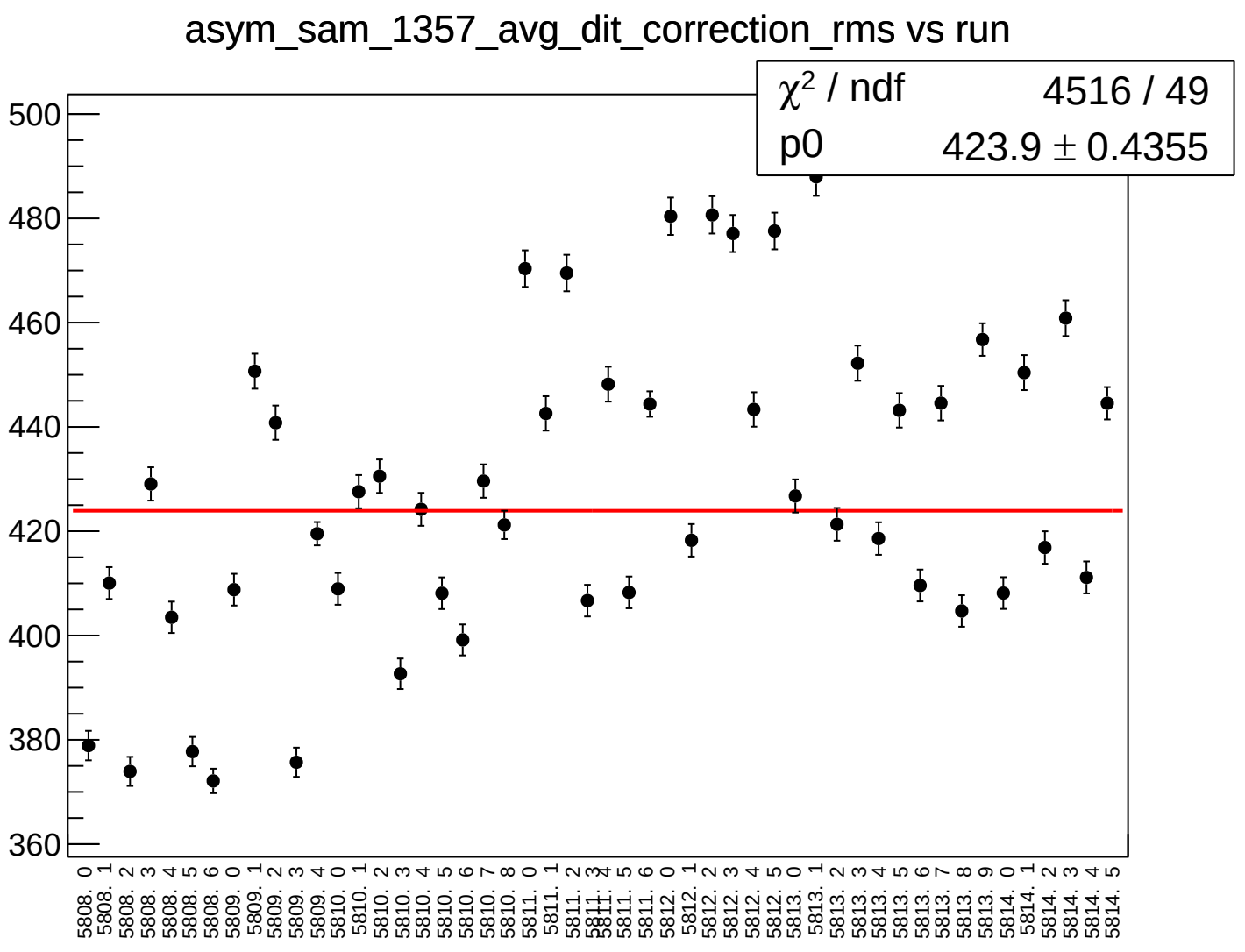

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 4752 / 49
p0 437 ± 0.4489
500
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_1357_avg_mean vs run
χ² / ndf 56.58 / 49
p0 −130.6 ± 71.3
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 8295
Std Dev 0
3
2
1
0
−1
pull1D
Entries 50
Mean 0.0005071
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1357_avg_rms vs run
χ² / ndf 9294 / 49
p0 48.95 ± 0.05041
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 55.05 / 49
p0 −1283 ± 615.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −503.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.008297
Std Dev 1.049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 4516 / 49
p0 423.9 ± 0.4355
500
480
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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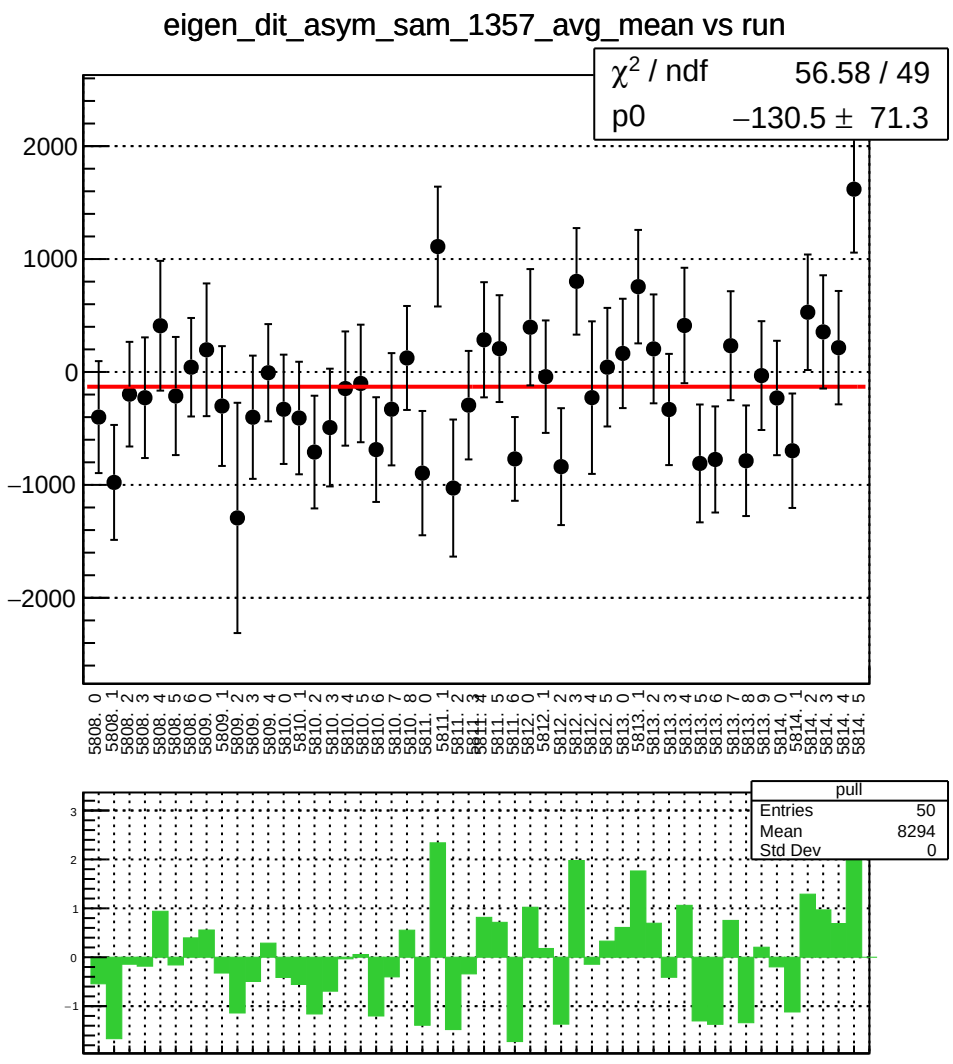
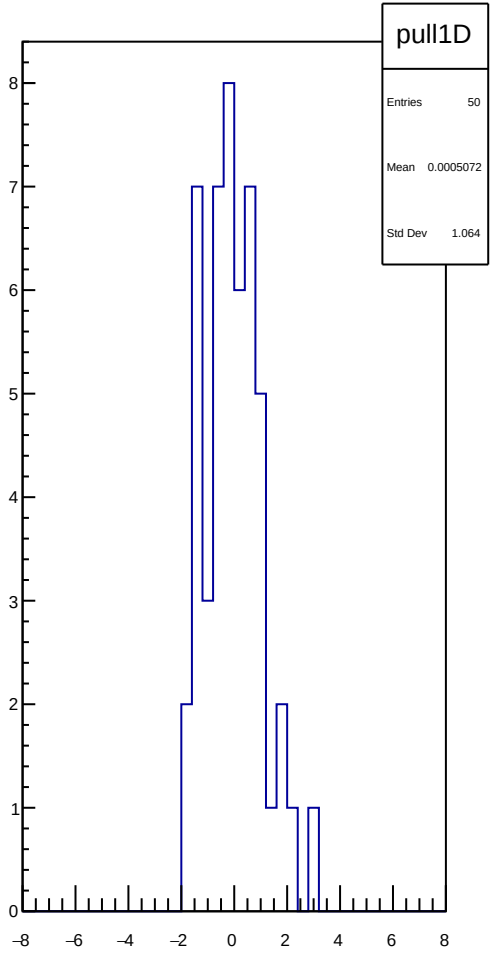
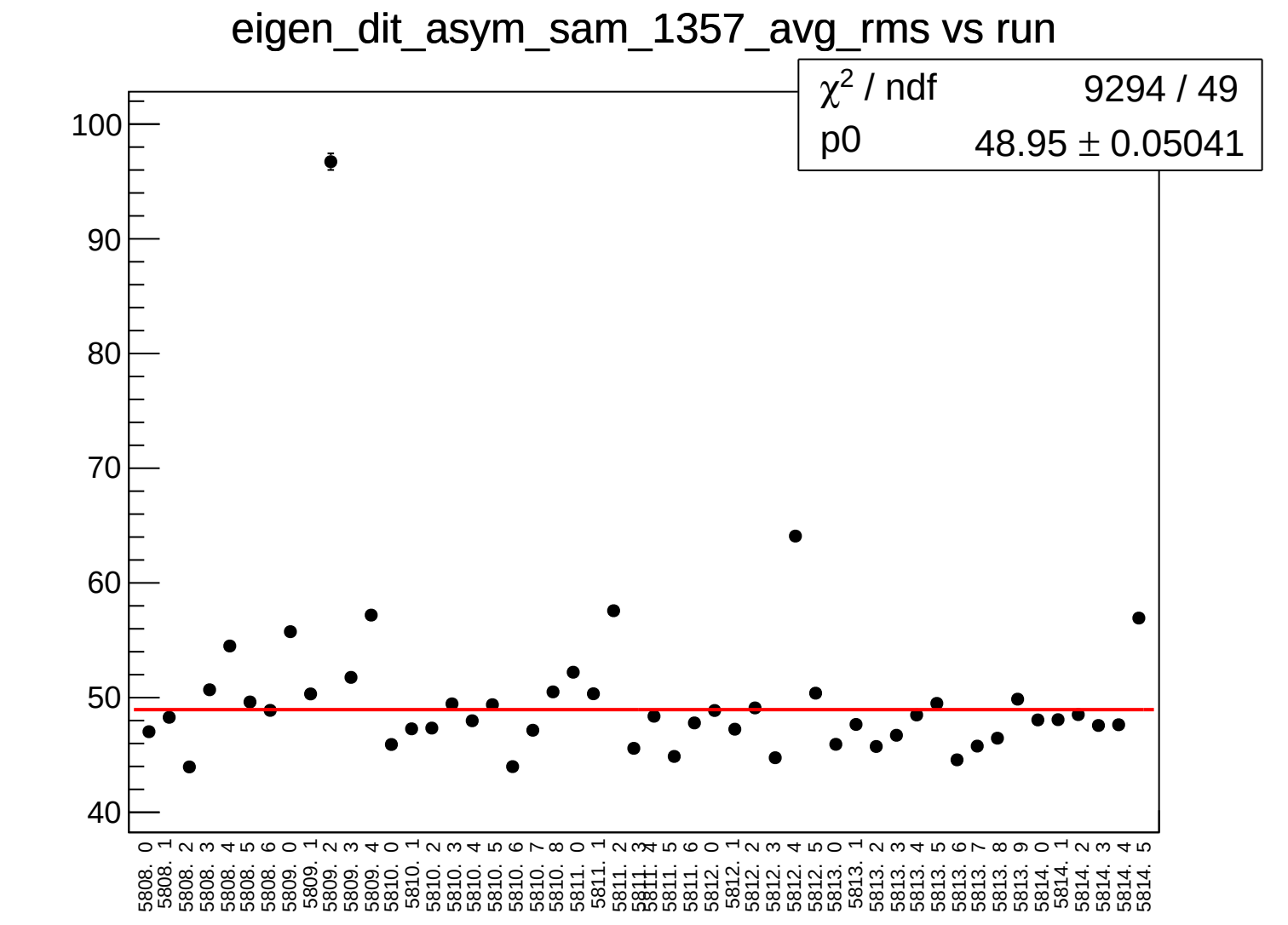
5814. 2
5814. 3
5814. 4
5814. 5


eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 56.58 / 49
p0 −130.5 ± 71.3
2000
1000
0
−1000
−2000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 8294
Std Dev 0
3
2
1
0
−1


pull1D
Entries 50
Mean 0.0005072
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1357_avg_rms vs run
χ^2 / ndf 9294 / 49
p0 48.95 ± 0.05041
100
90
80
70
60
50
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
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5814. 2
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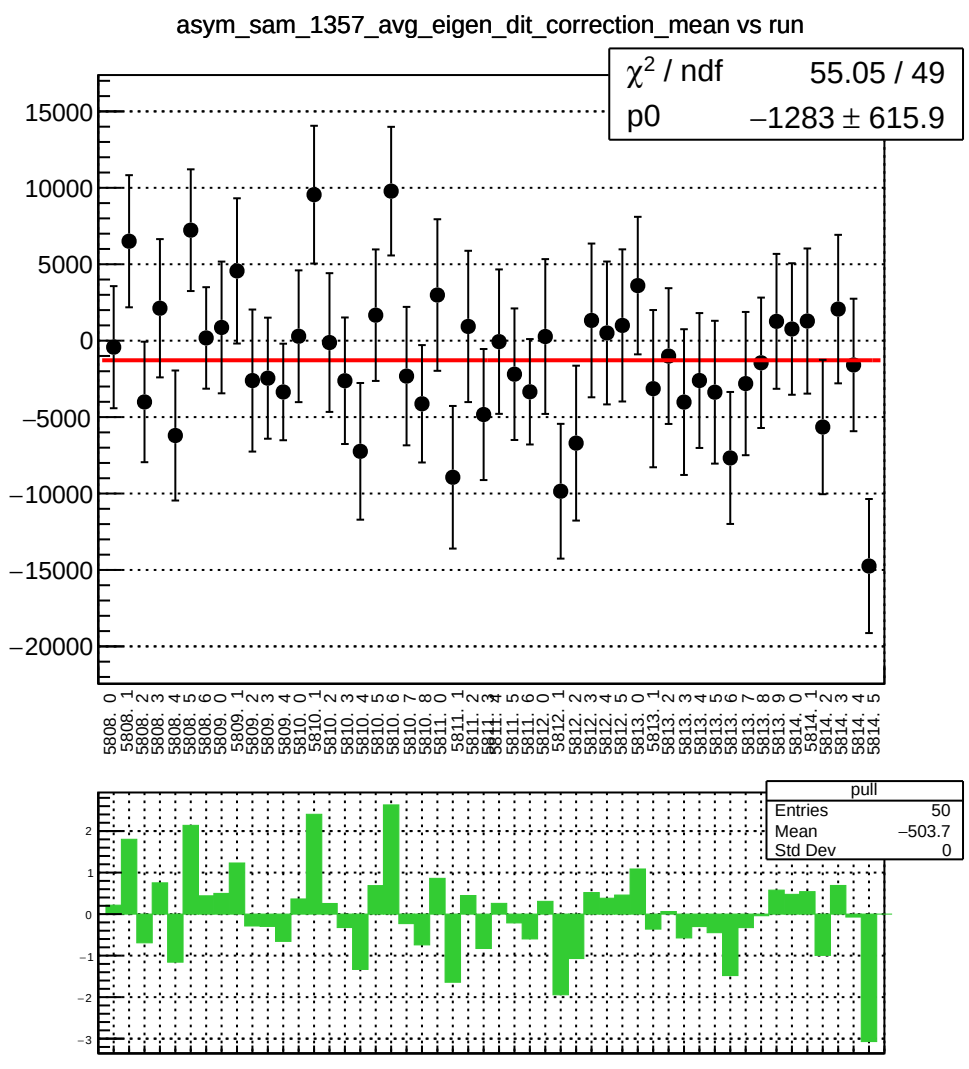
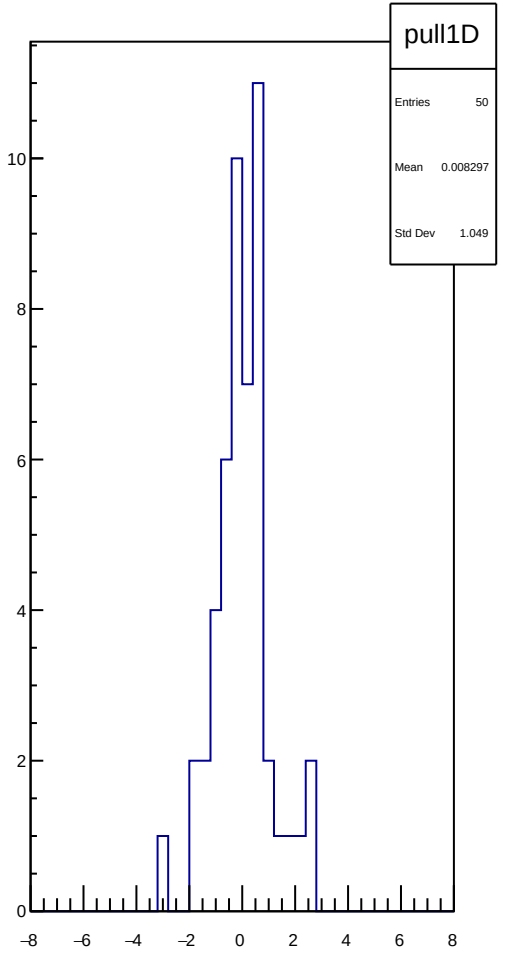
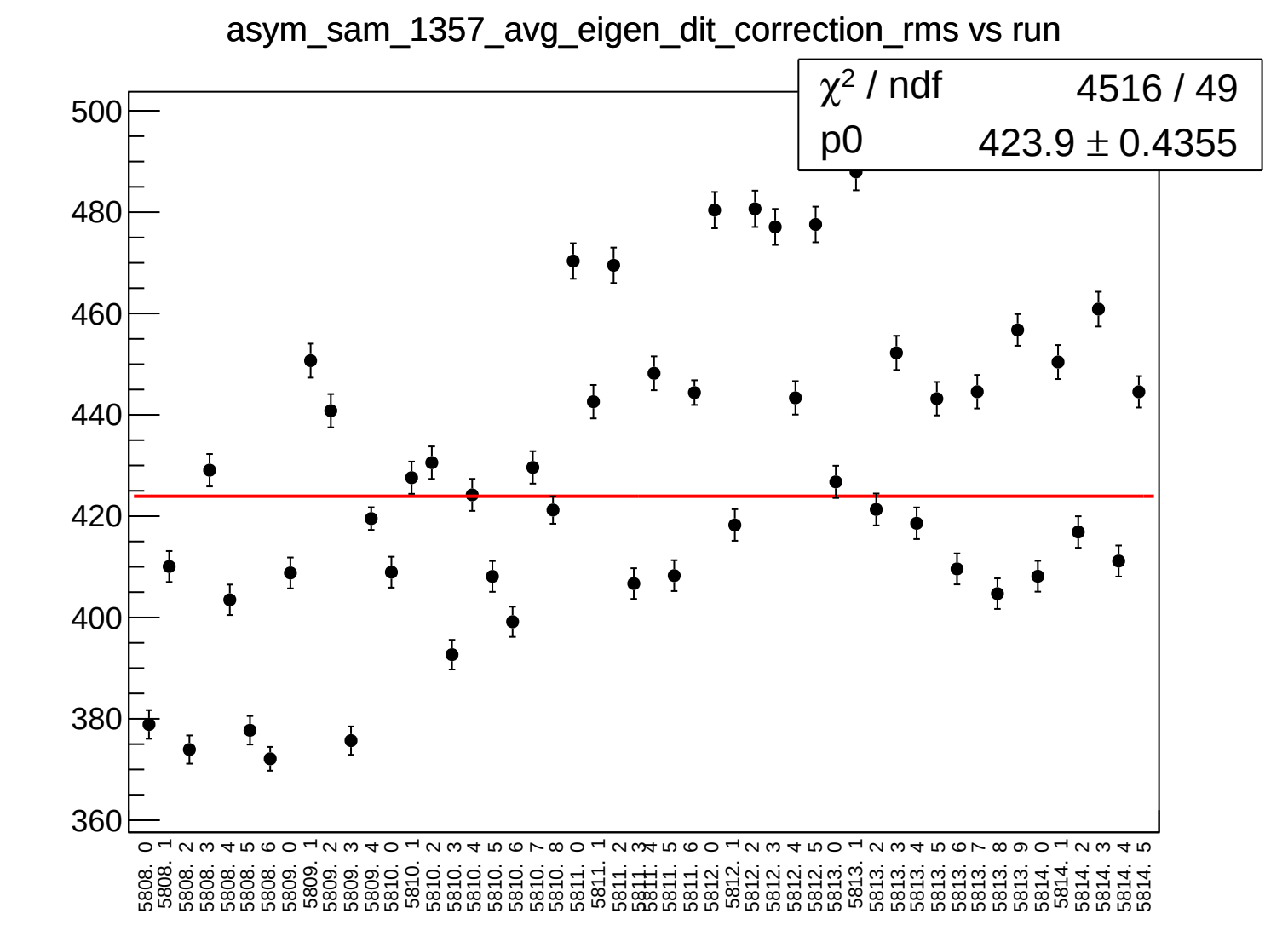
5814. 5


asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 55.05 / 49
p0 −1283 ± 615.9
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −503.7
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.008297
Std Dev 1.049
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 4516 / 49
p0 423.9 ± 0.4355
500
480
460
440
420
400
380
360
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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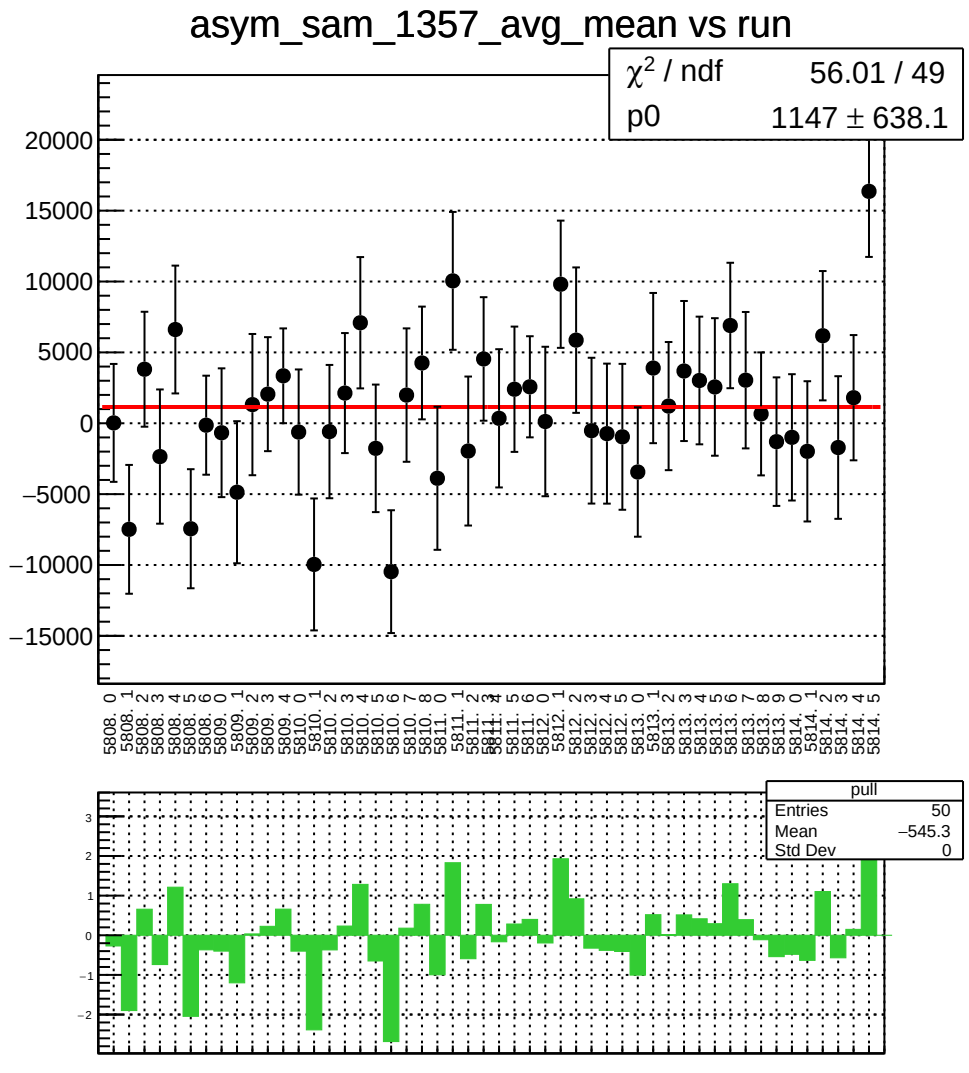
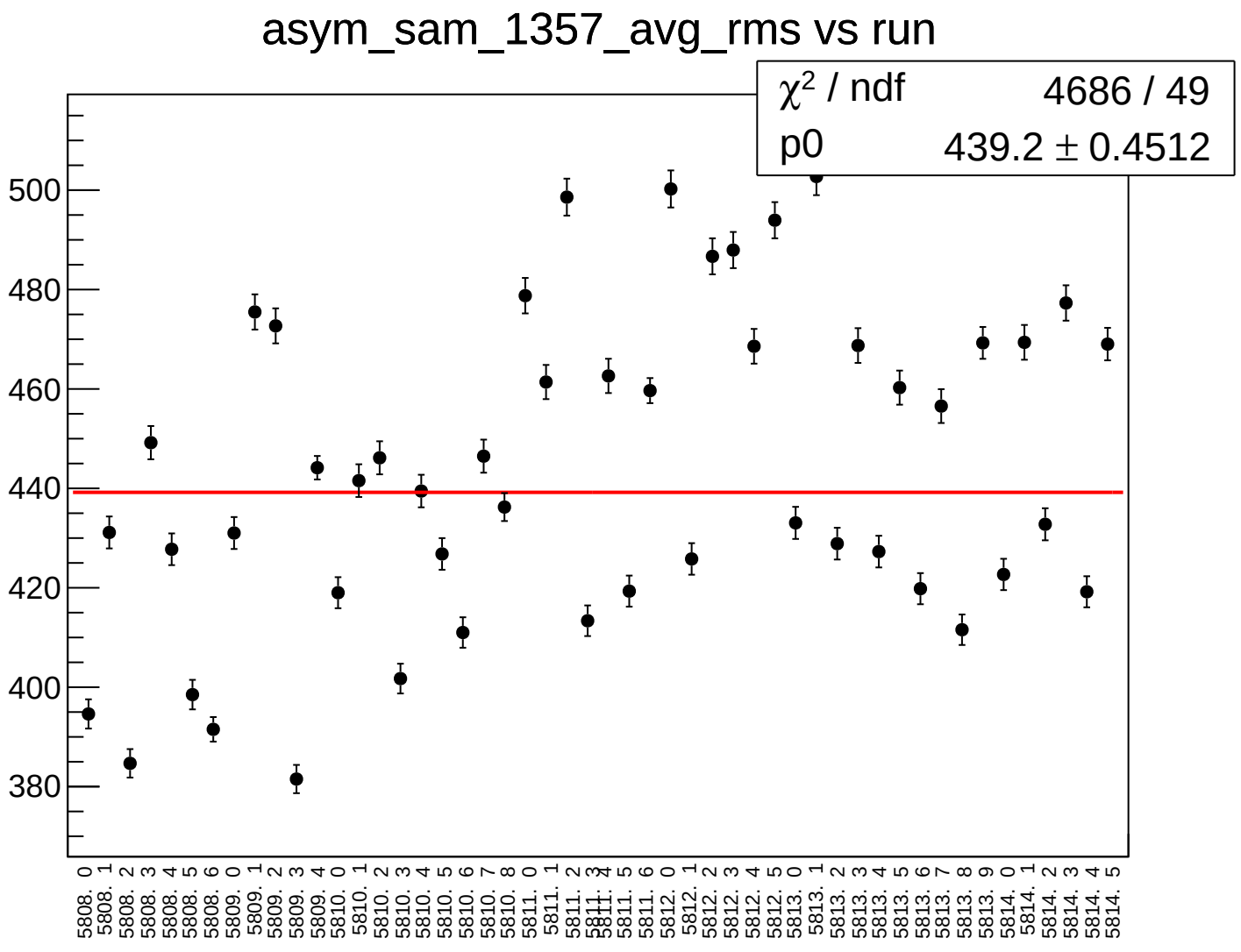
5814. 5


asym_sam_1357_avg_mean vs run
χ² / ndf 56.01 / 49
p0 1147 ± 638.1
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −545.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.008217
Std Dev 1.058
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_avg_rms vs run
χ² / ndf 4686 / 49
p0 439.2 ± 0.4512
500
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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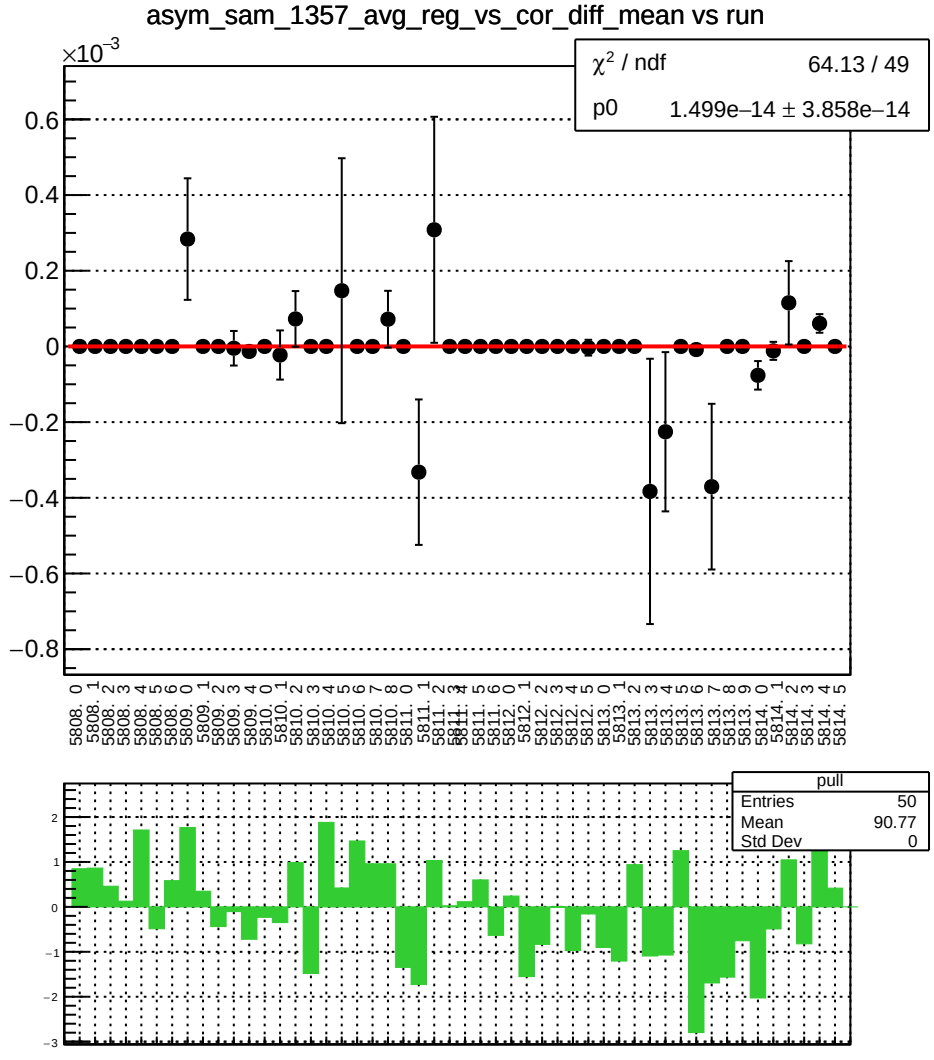
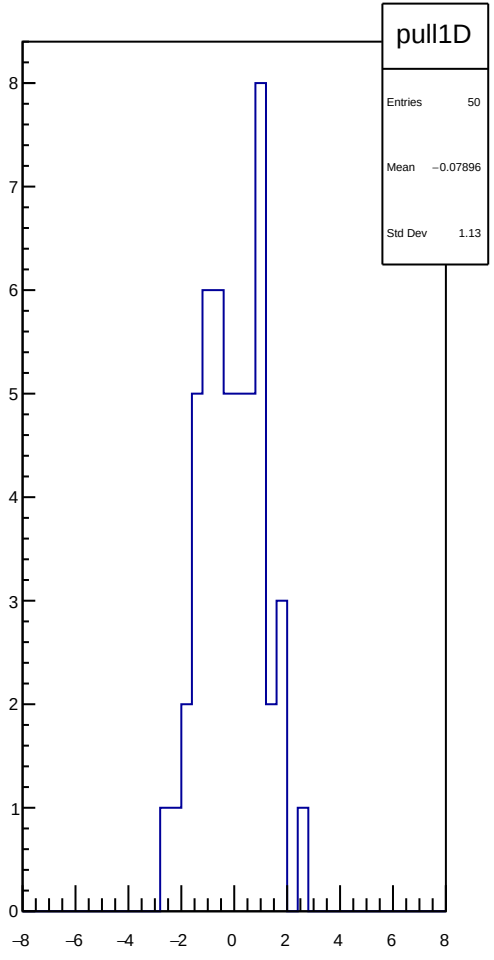
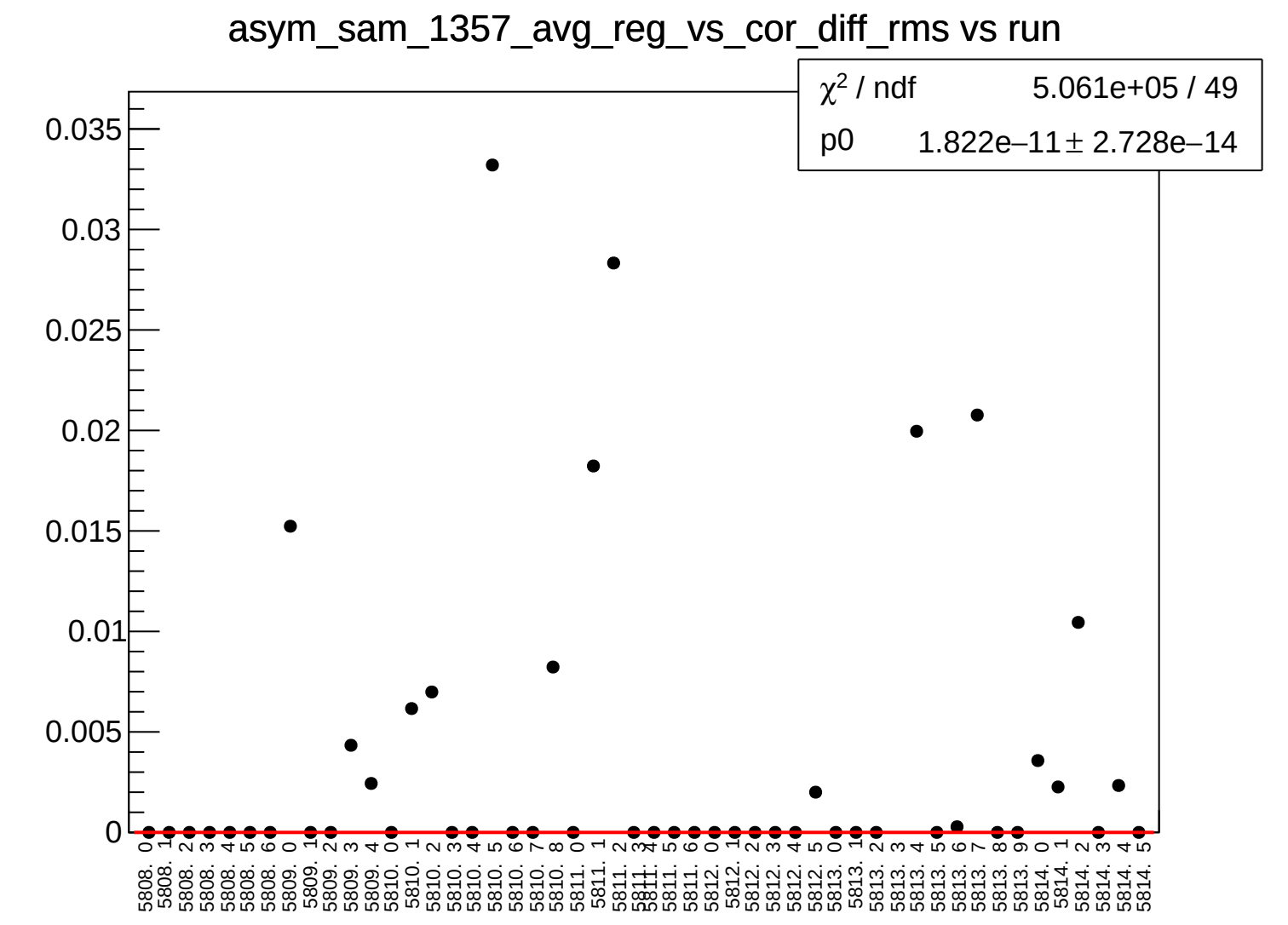
5814. 4
5814. 5


asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 64.13 / 49
p0 1.499e−14 ± 3.858e−14
pull
Entries 50
Mean 90.77
Std Dev 0


pull1D
Entries 50
Mean −0.07896
Std Dev 1.13


asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.061e+05 / 49
p0 1.822e−11 ± 2.728e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
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5812. 5
5813. 0
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5813. 3
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5813. 5
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5813. 9
5814. 0
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5814. 2
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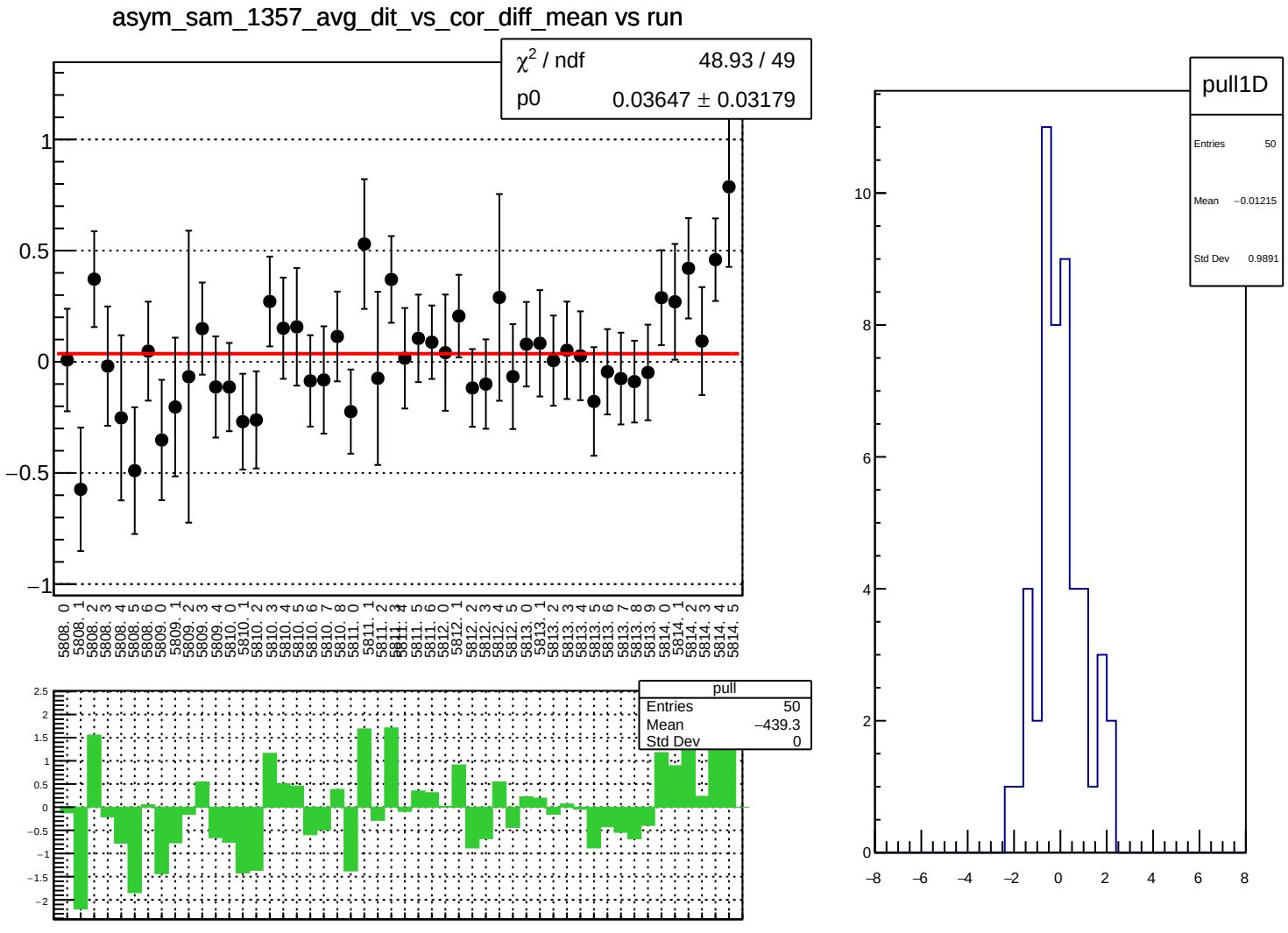
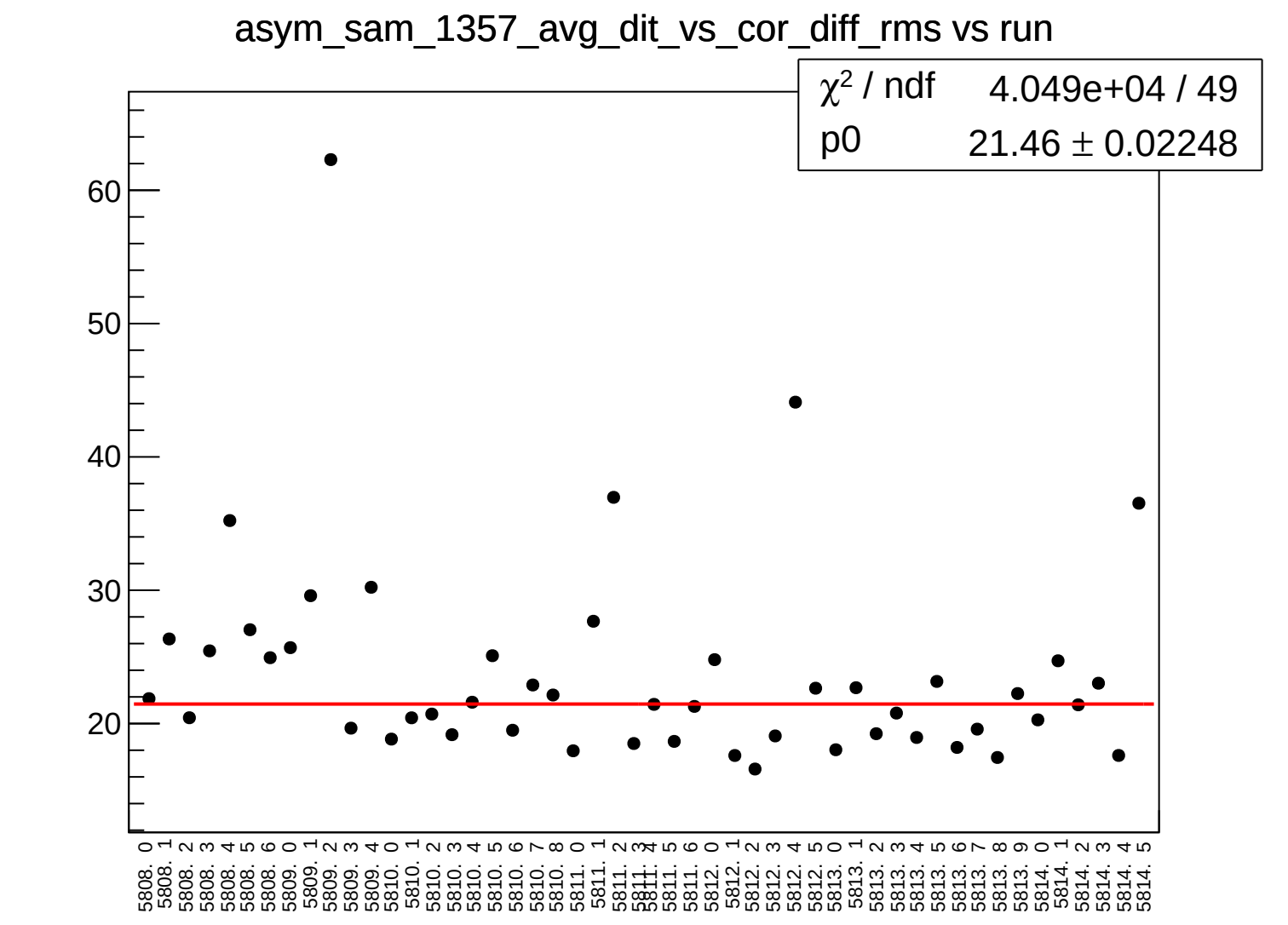
5814. 5


asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.93 / 49
p0 0.03647 ± 0.03179
pull
Entries 50
Mean −439.3
Std Dev 0
pull1D
Entries 50
Mean −0.01215
Std Dev 0.9891


asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.049e+04 / 49
p0 21.46 ± 0.02248
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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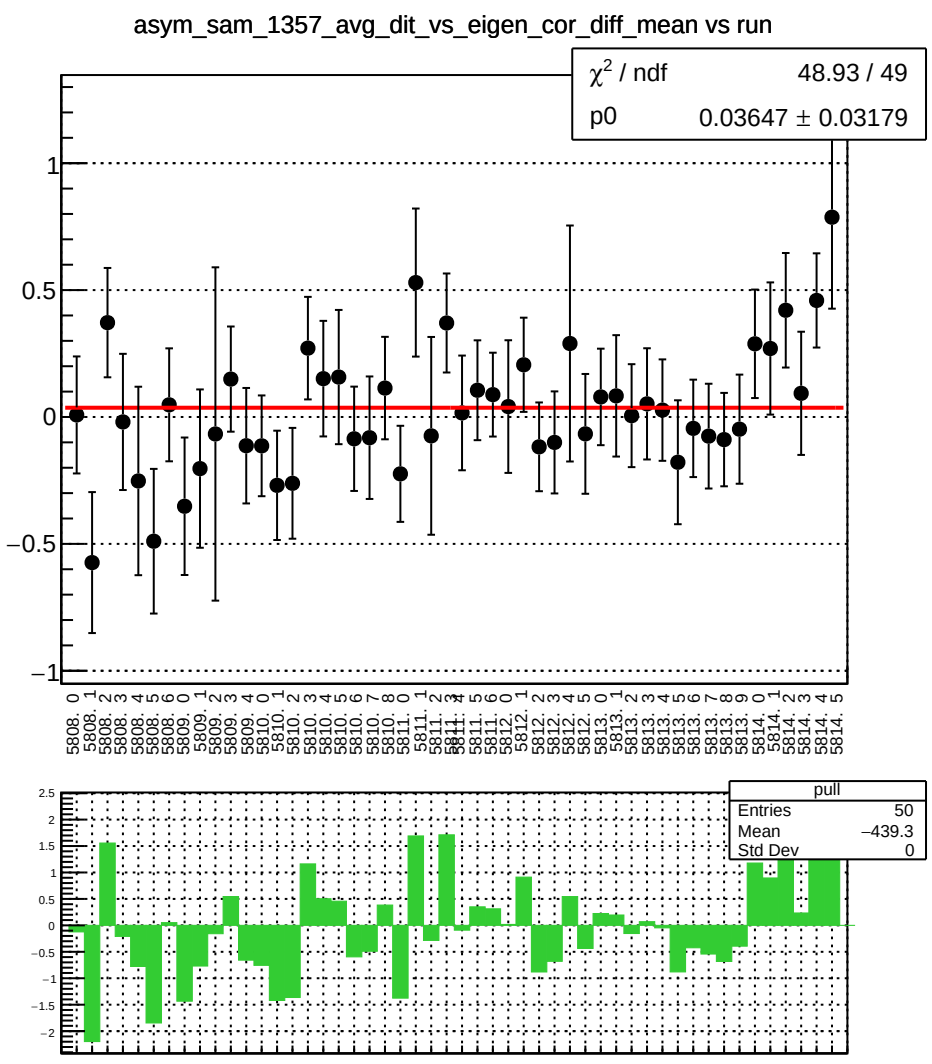
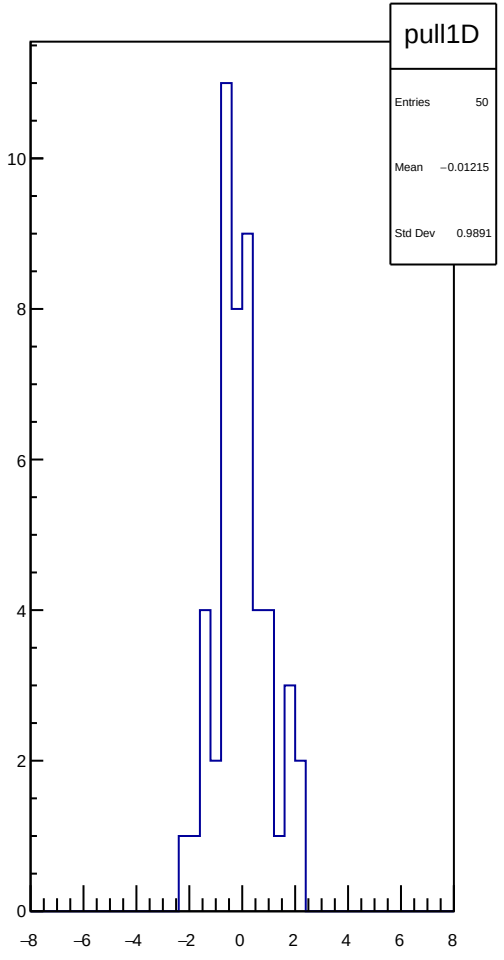
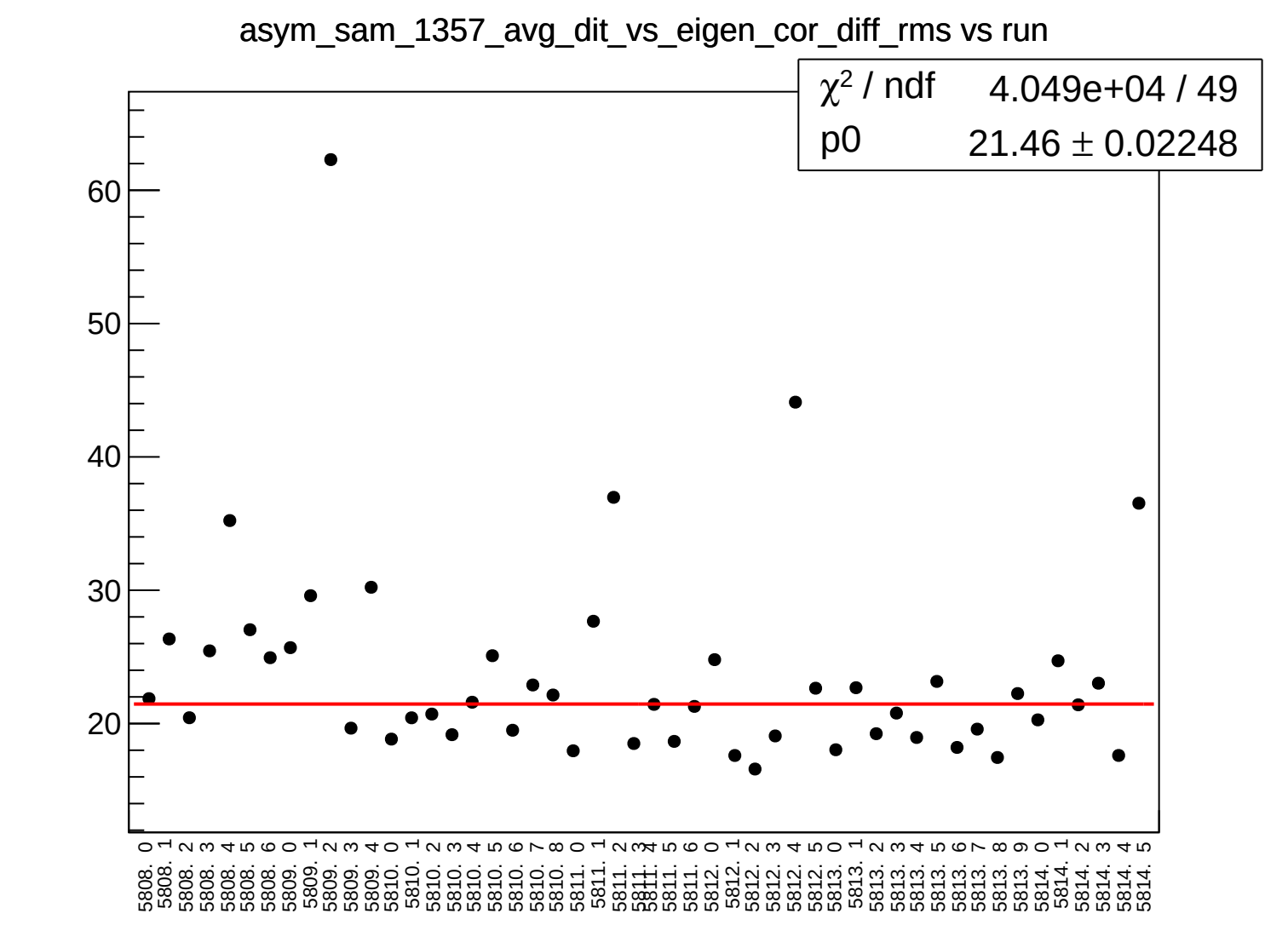
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.93 / 49
p0 0.03647 ± 0.03179
pull
Entries 50
Mean −439.3
Std Dev 0


pull1D
Entries 50
Mean −0.01215
Std Dev 0.9891


asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.049e+04 / 49
p0 21.46 ± 0.02248
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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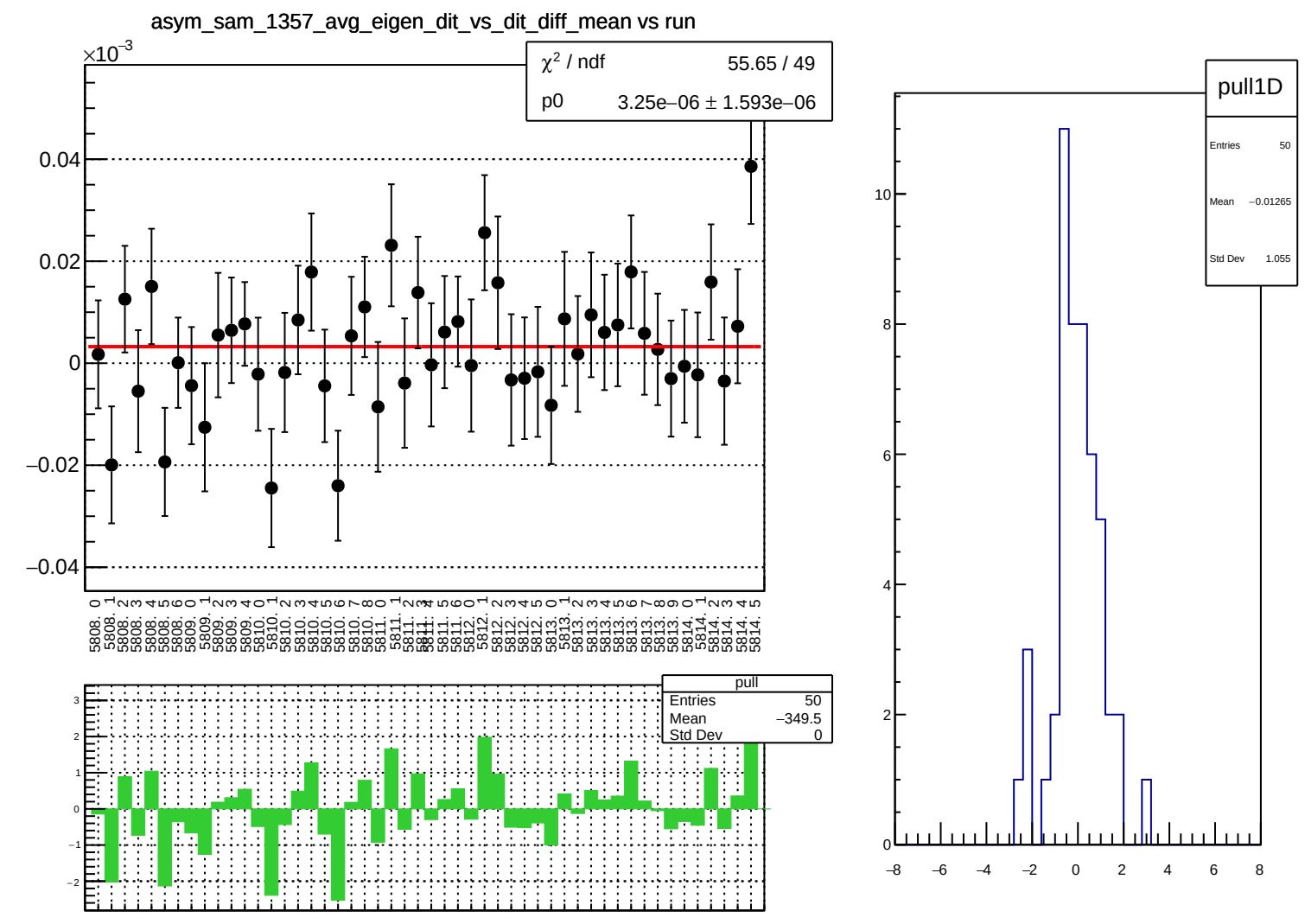
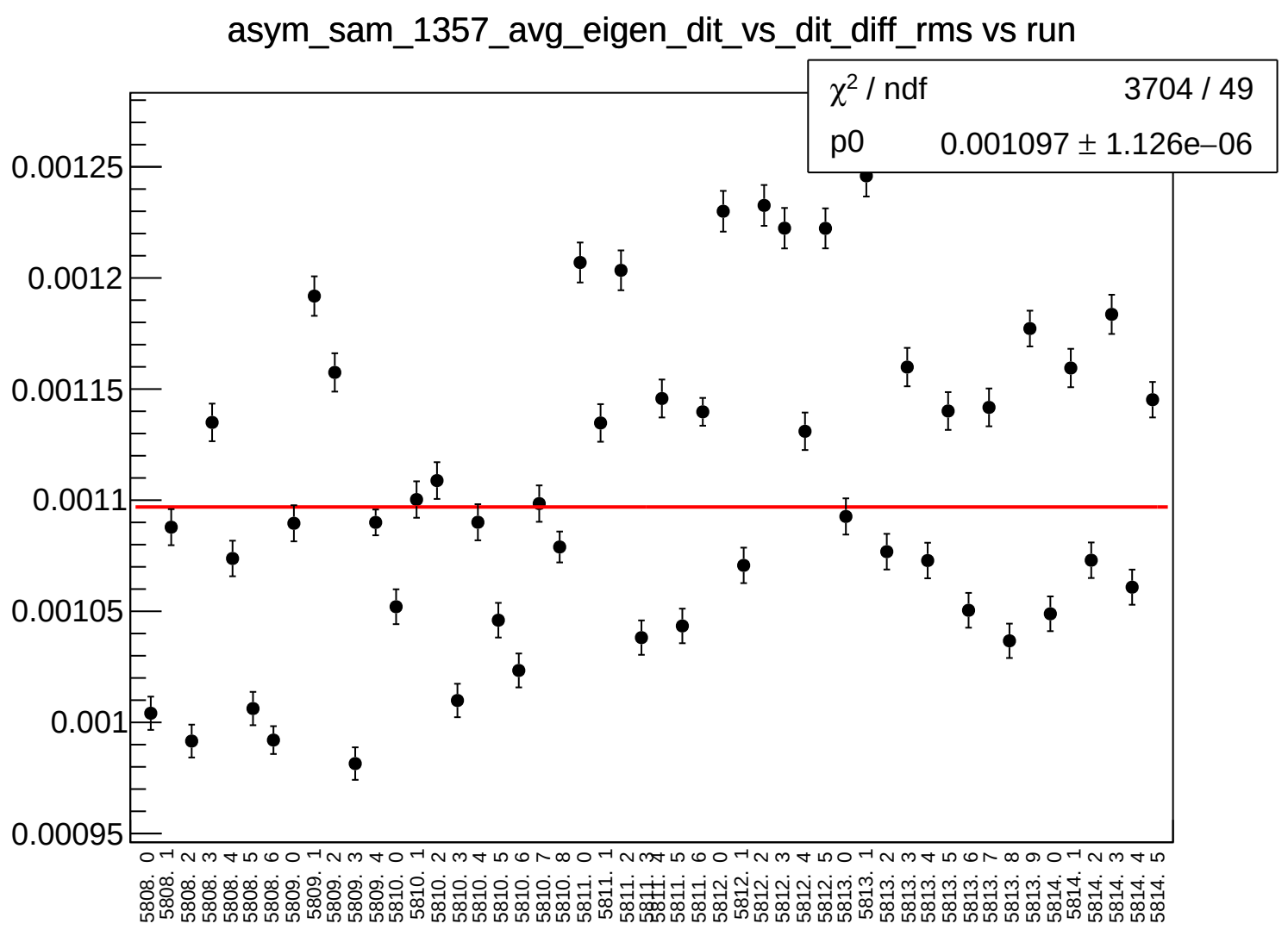
5814. 5


asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 55.65 / 49
p0 3.25e−06 ± 1.593e−06
0.04
0.02
0
−0.02
−0.04
pull
Entries 50
Mean −349.5
Std Dev 0
pull1D
Entries 50
Mean −0.01265
Std Dev 1.055


asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3704 / 49
p0 0.001097 ± 1.126e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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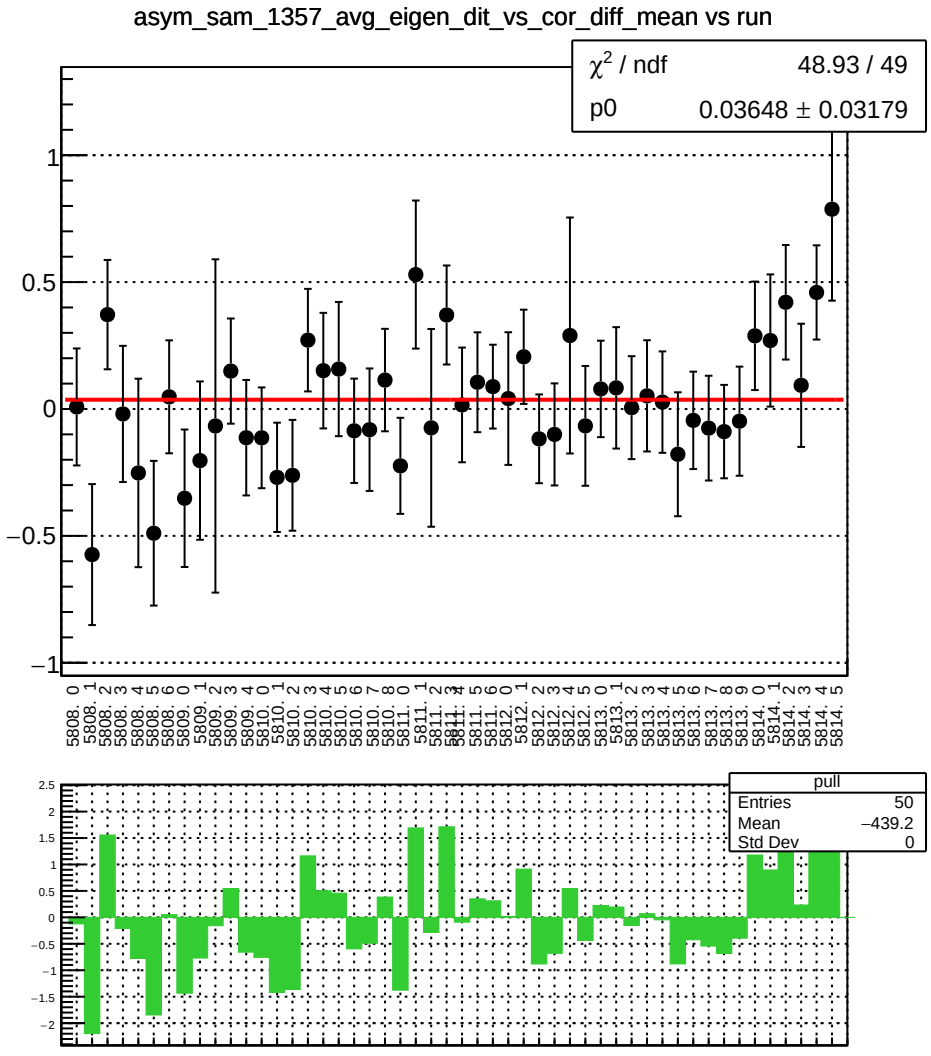
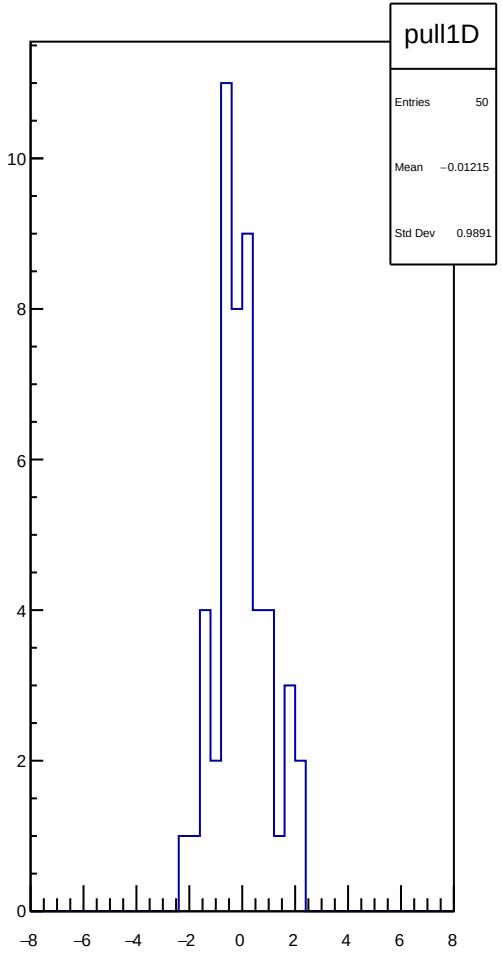
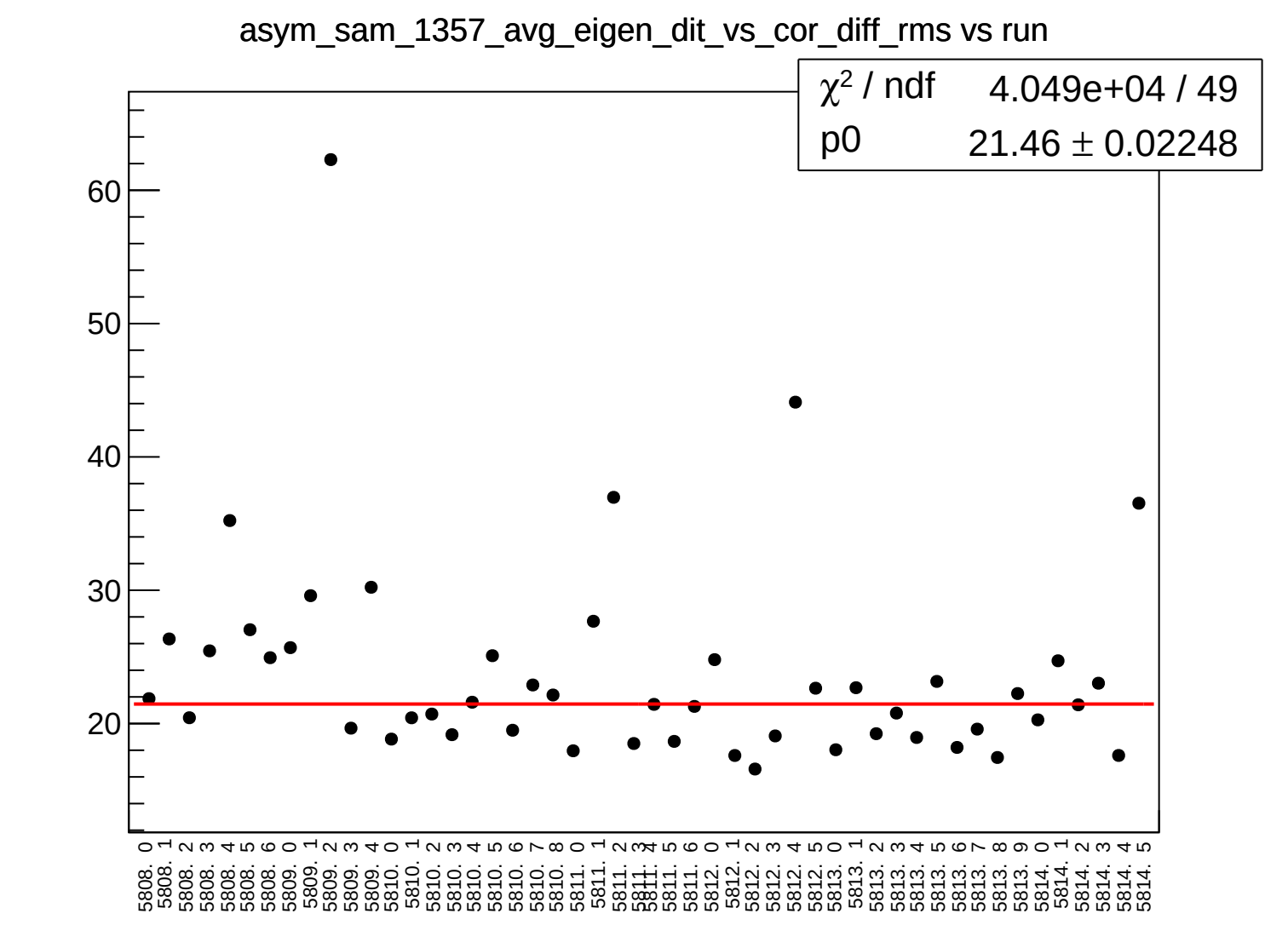
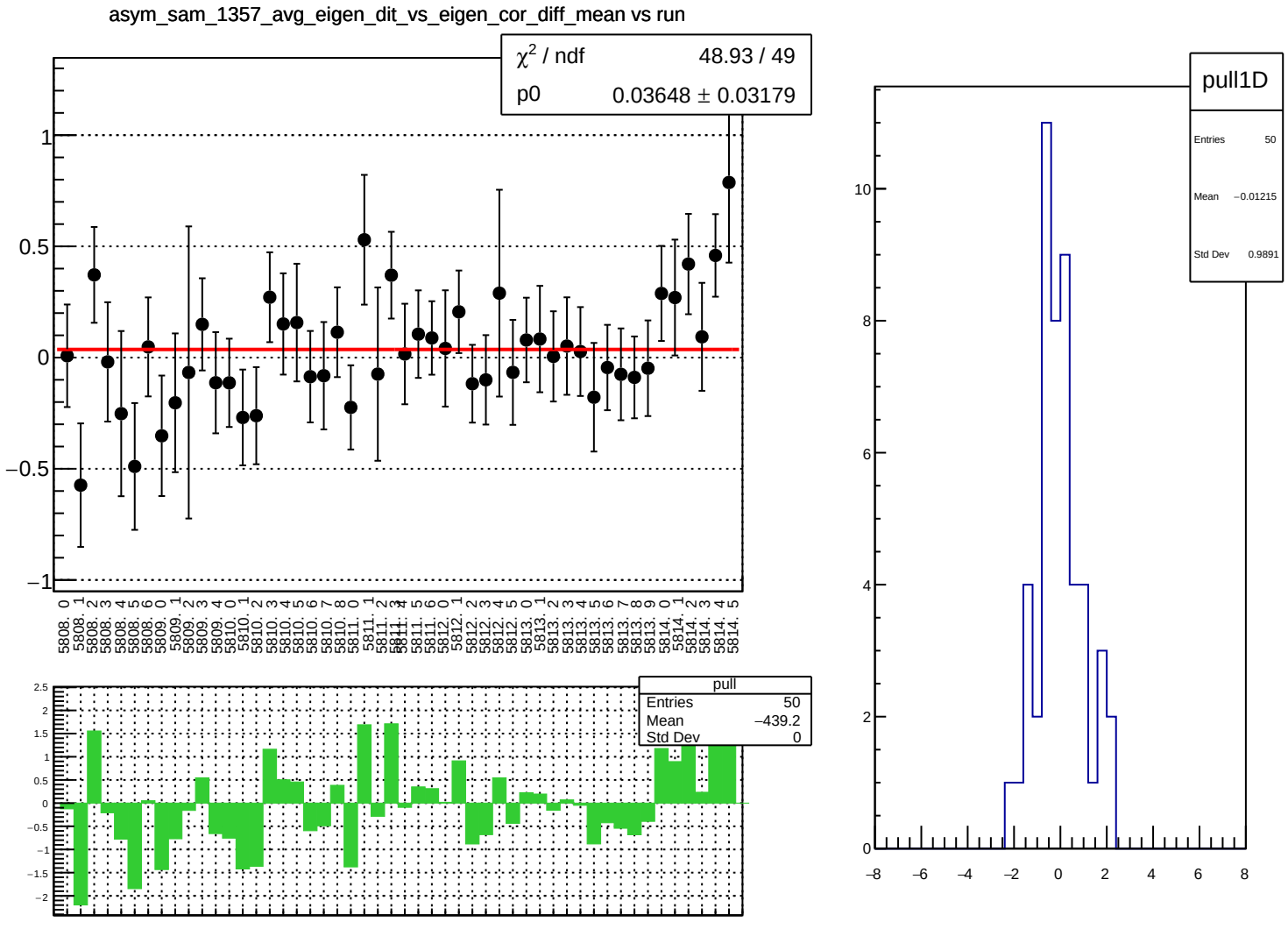
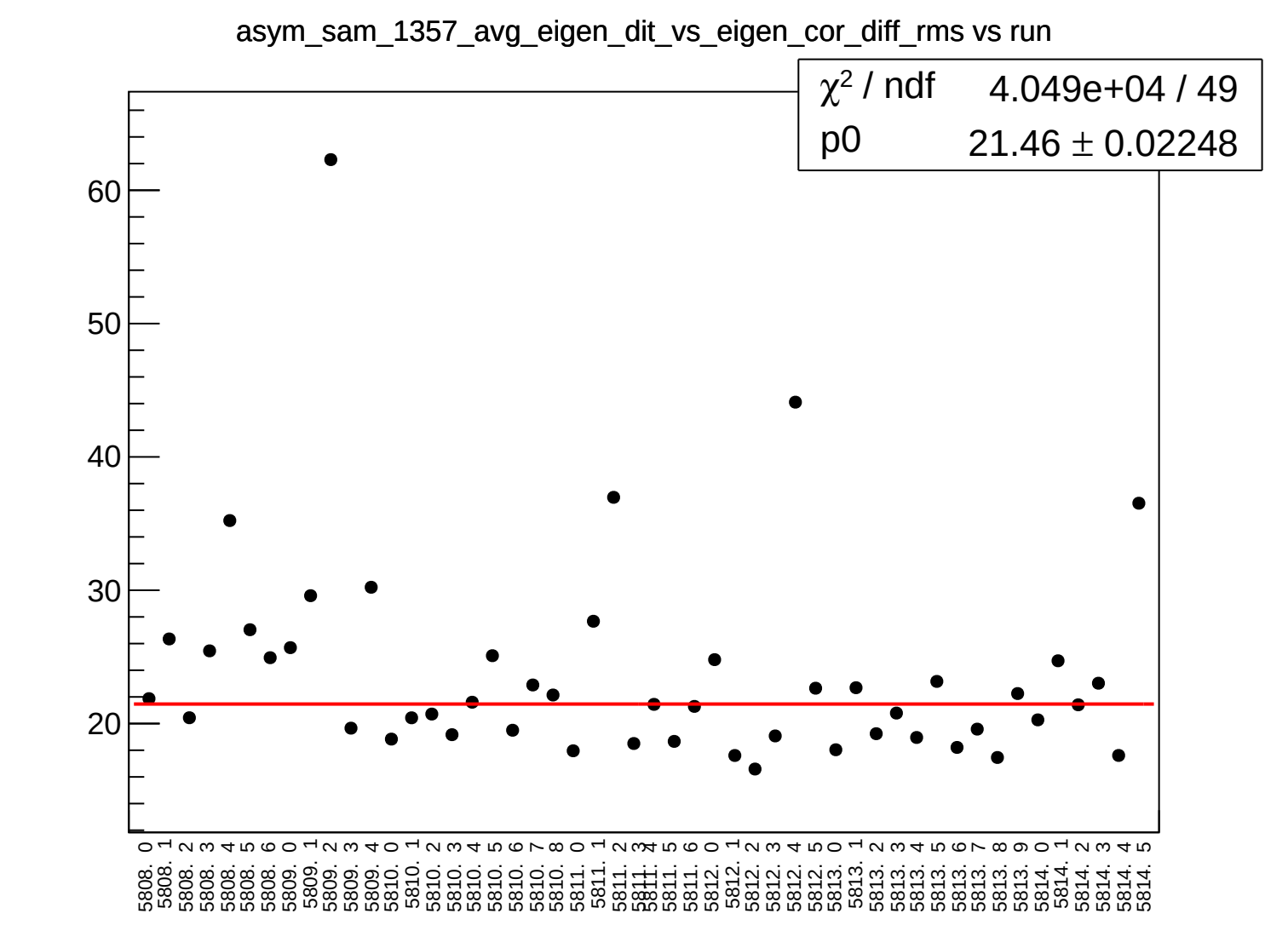
5814. 4
5814. 5


asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.93 / 49
p0 0.03648 ± 0.03179
pull
Entries 50
Mean −439.2
Std Dev 0


pull1D
Entries 50
Mean −0.01215
Std Dev 0.9891


asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.049e+04 / 49
p0 21.46 ± 0.02248
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.93 / 49
p0 0.03648 ± 0.03179
pull
Entries 50
Mean −439.2
Std Dev 0
pull1D
Entries 50
Mean −0.01215
Std Dev 0.9891


asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.049e+04 / 49
p0 21.46 ± 0.02248
60
50
40
30
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
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5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
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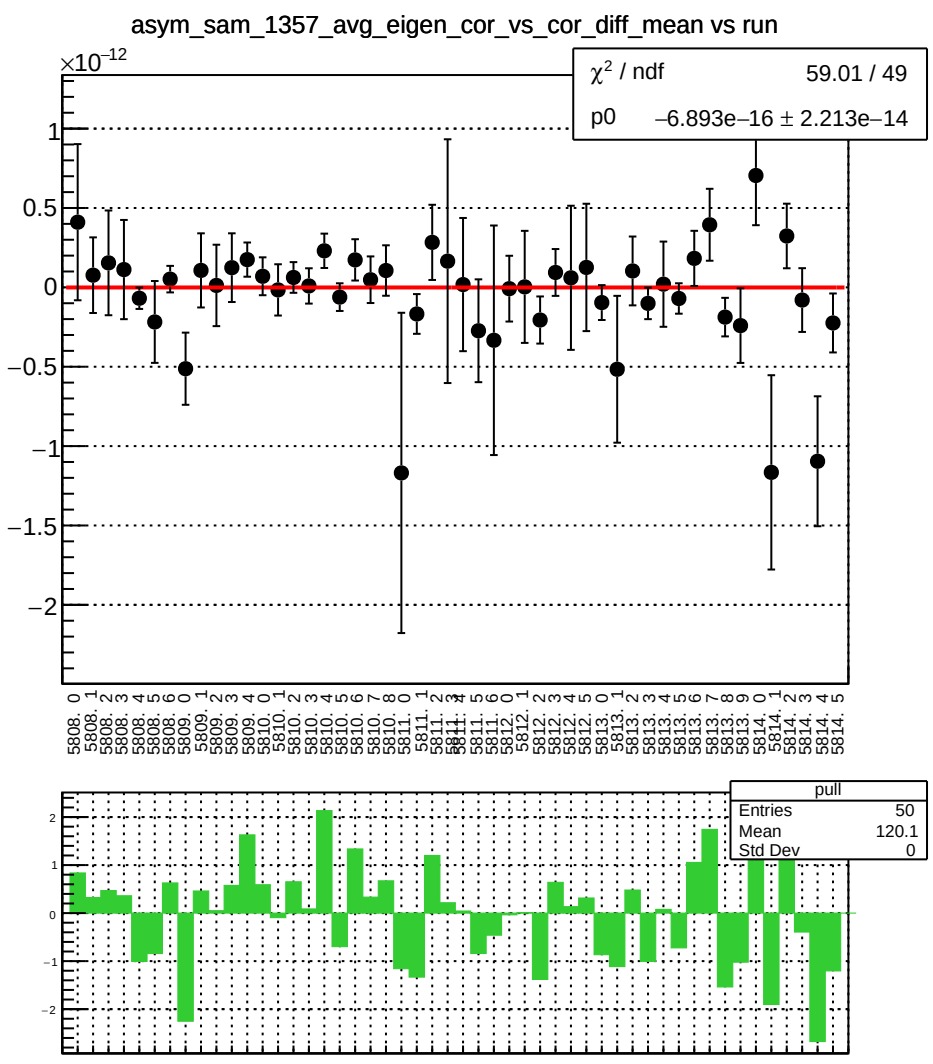
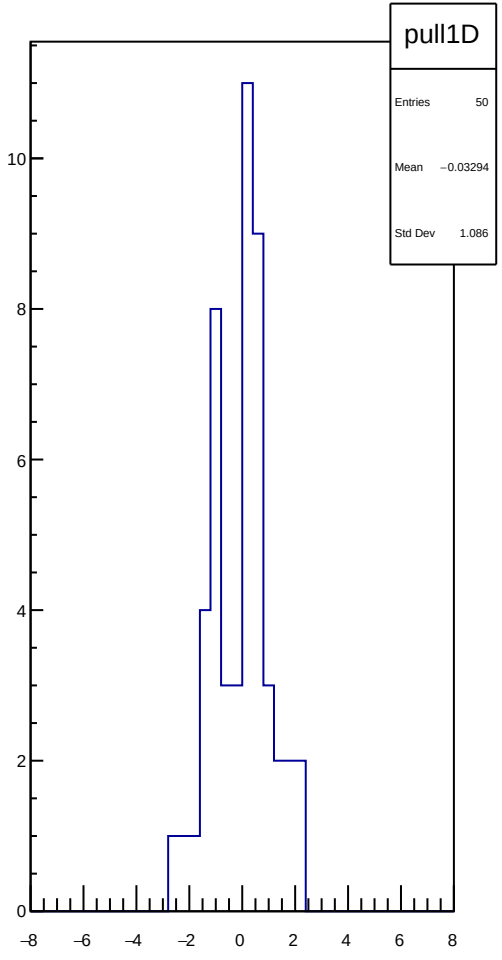
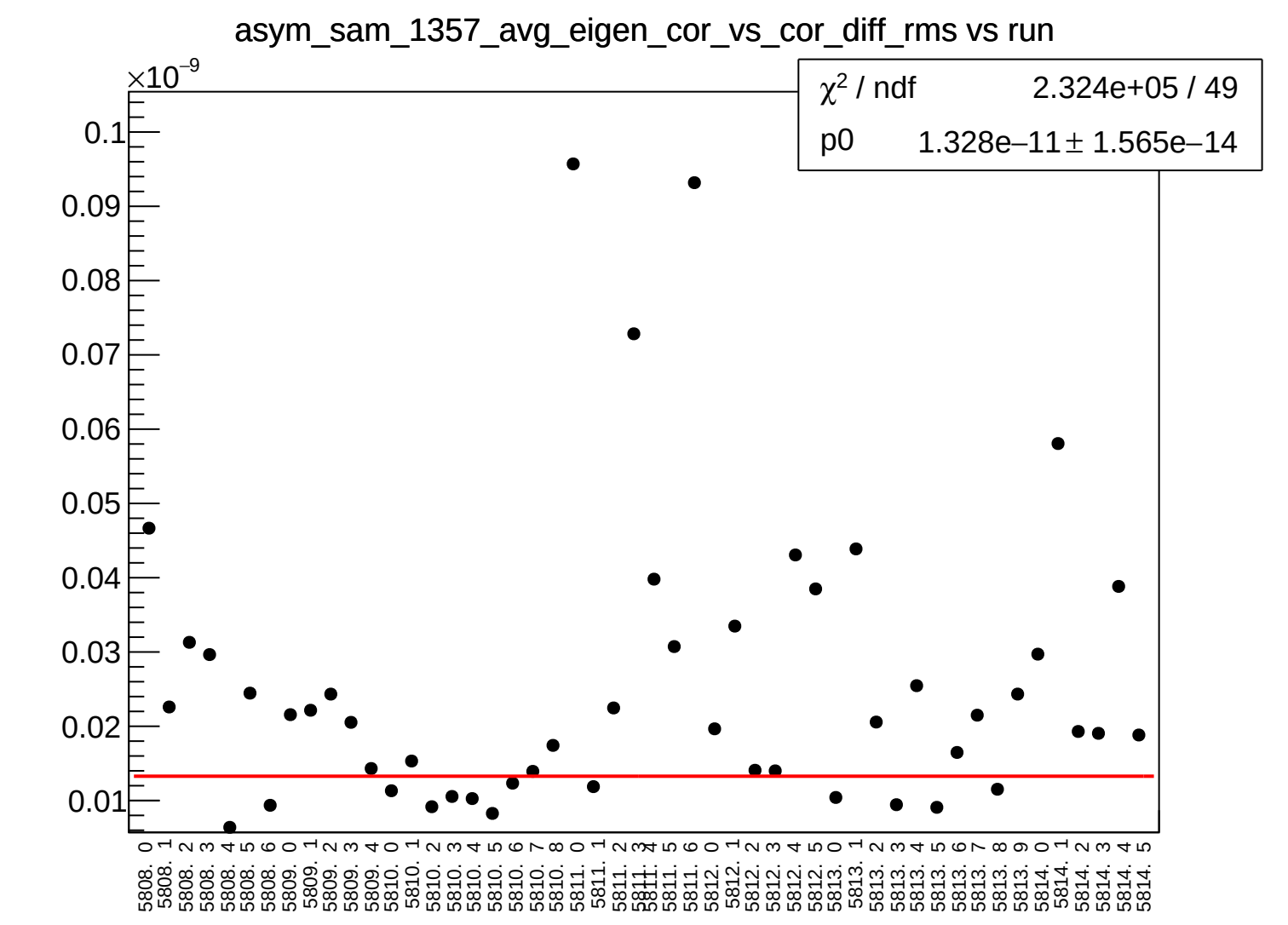
5814. 4
5814. 5


asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 59.01 / 49
p0 −6.893e−16 ± 2.213e−14
pull
Entries 50
Mean 120.1
Std Dev 0


pull1D
Entries 50
Mean −0.03294
Std Dev 1.086


asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.324e+05 / 49
p0 1.328e−11 ± 1.565e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
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5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
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5814. 2
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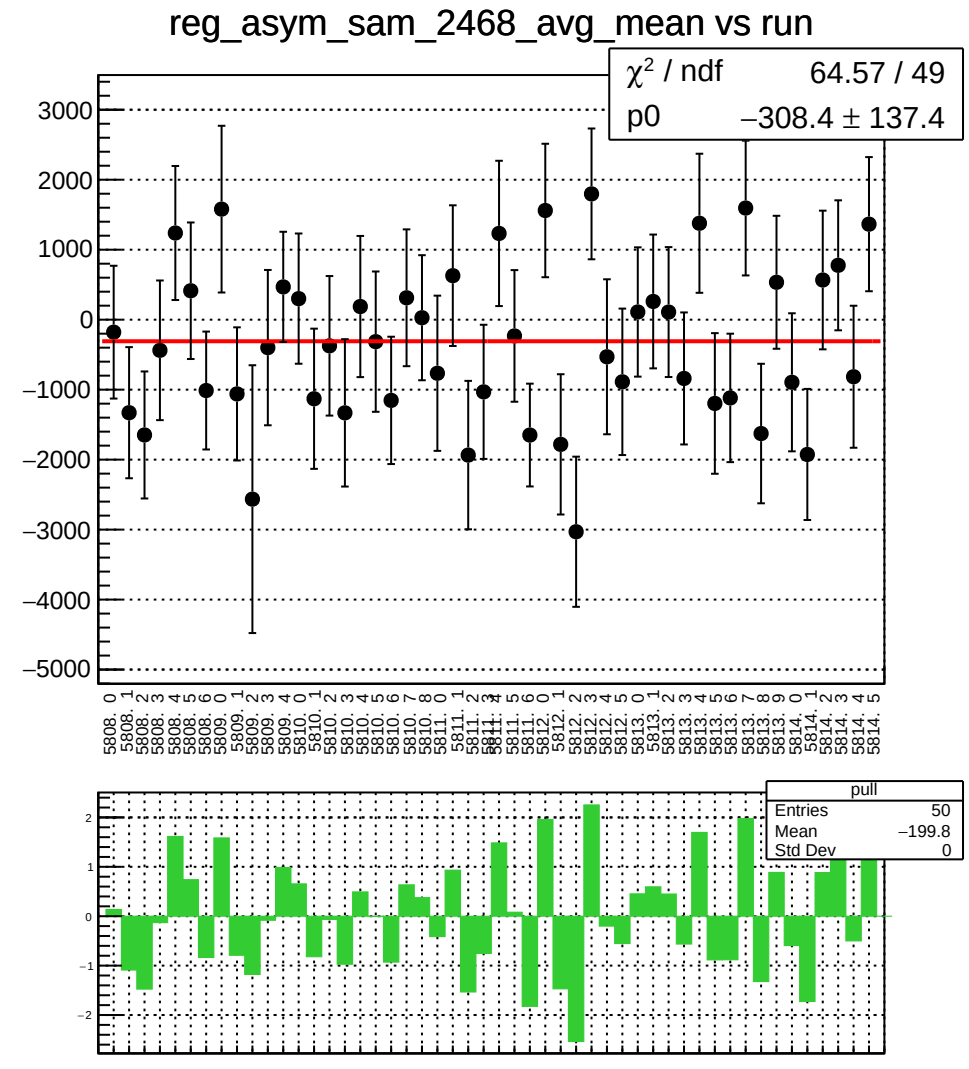
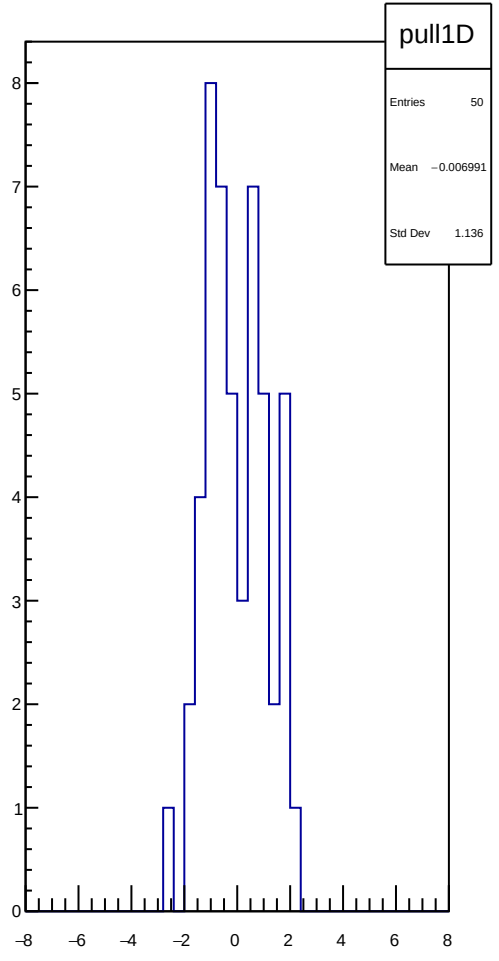
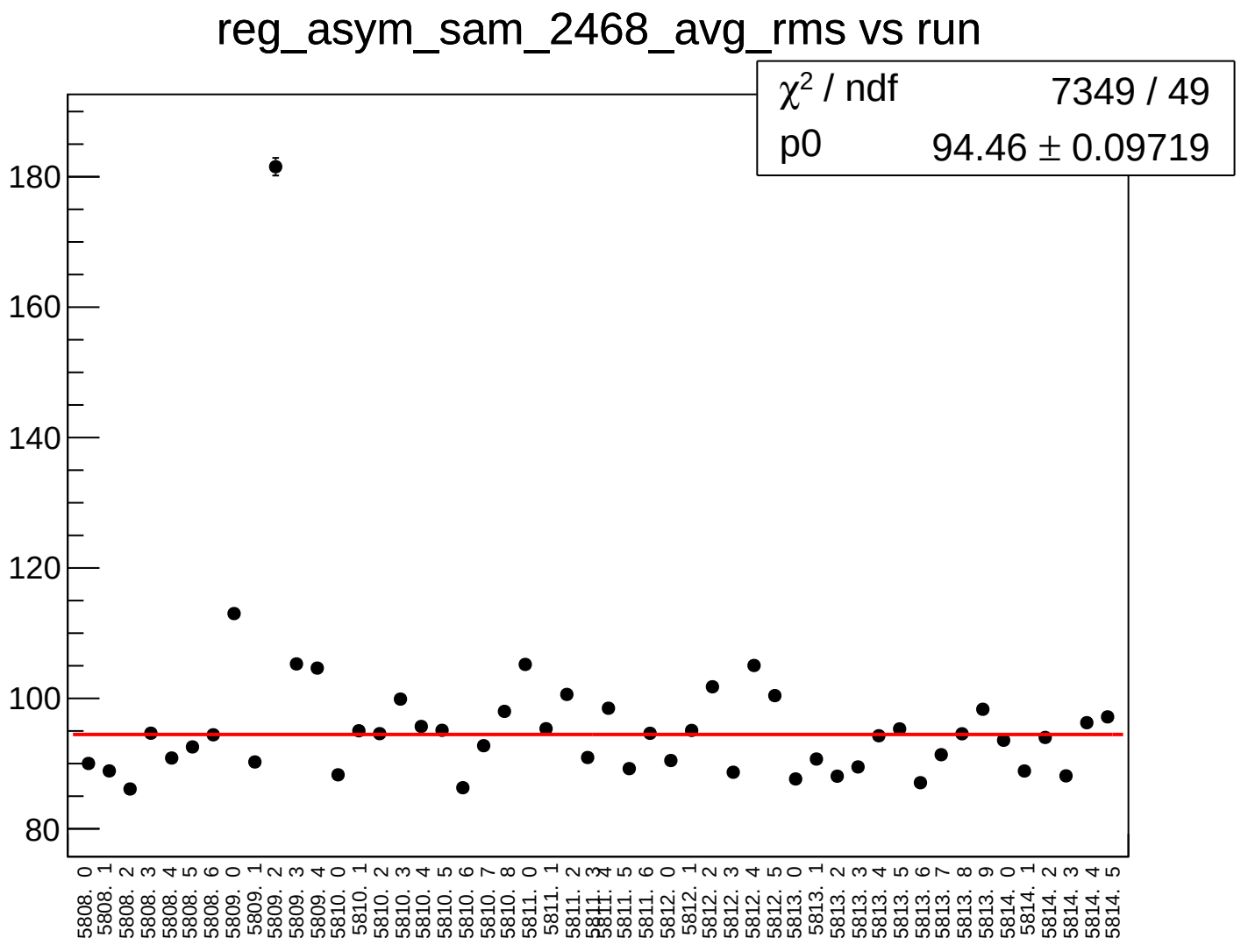
5814. 4
5814. 5


reg_asym_sam_2468_avg_mean vs run
χ² / ndf 64.57 / 49
p0 −308.4 ± 137.4
pull
Entries 50
Mean −199.8
Std Dev 0


pull1D
Entries 50
Mean −0.006991
Std Dev 1.136


reg_asym_sam_2468_avg_rms vs run
χ² / ndf 7349 / 49
p0 94.46 ± 0.09719
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 2
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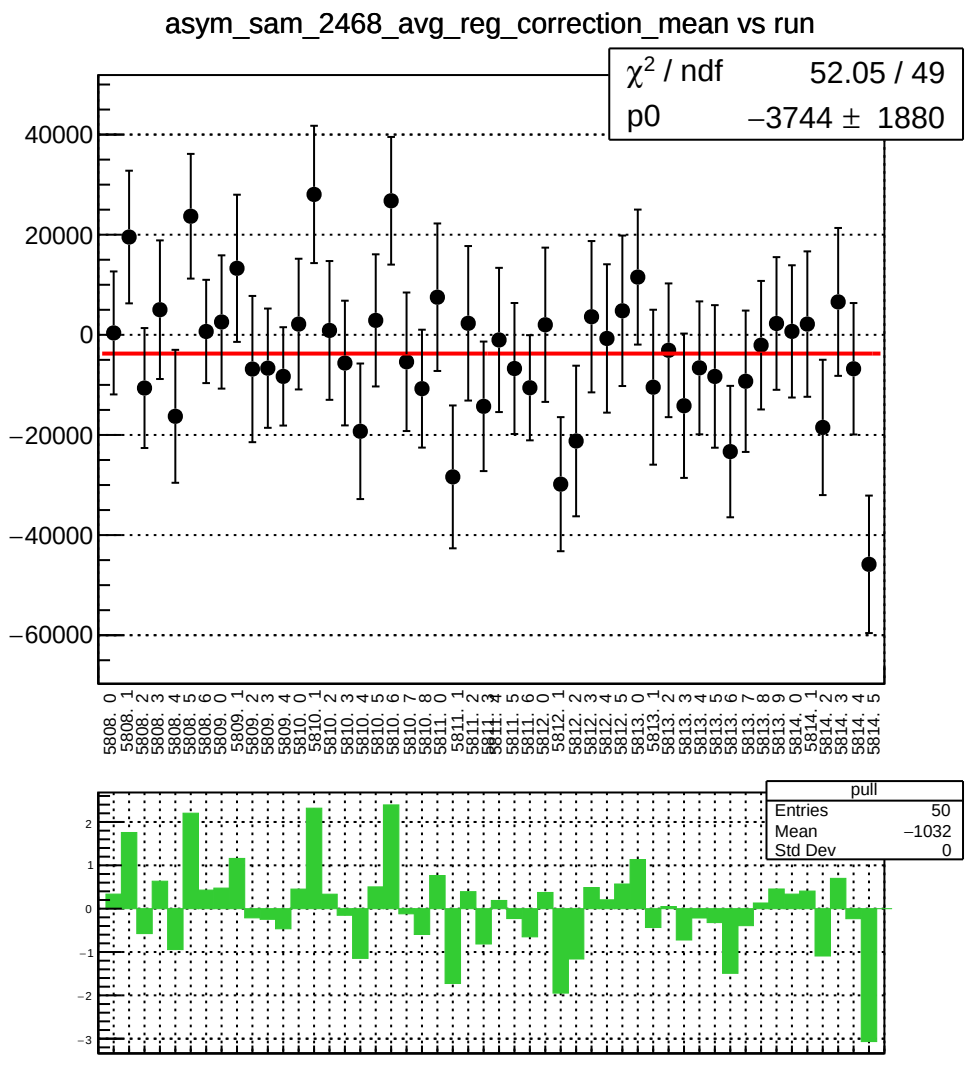
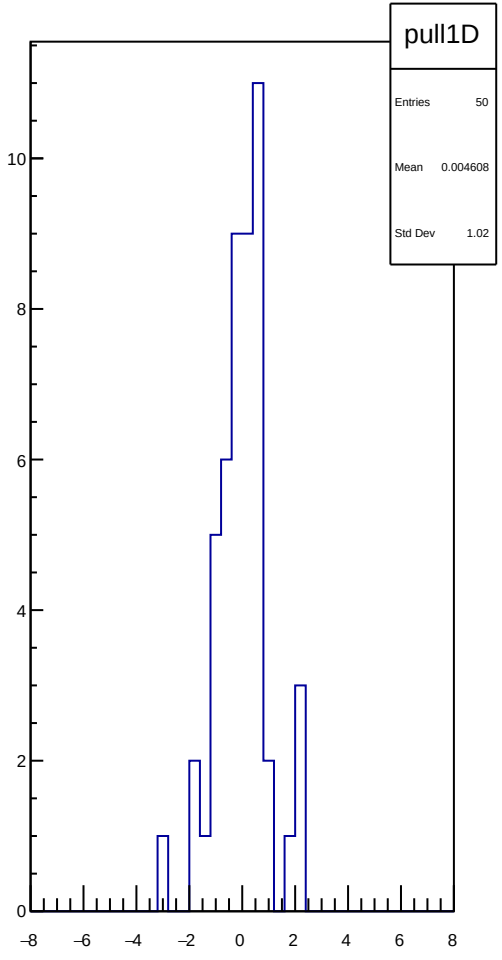
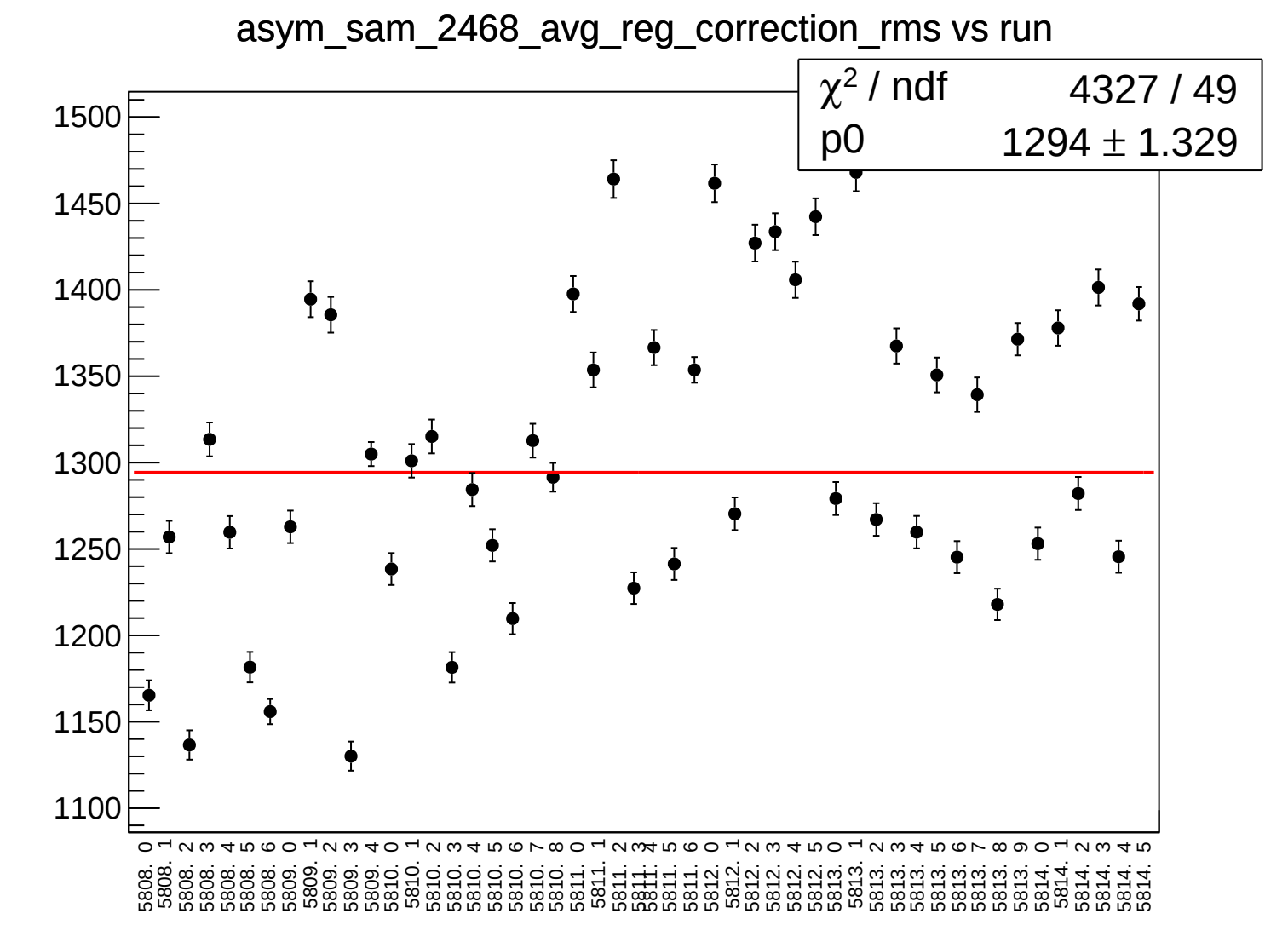
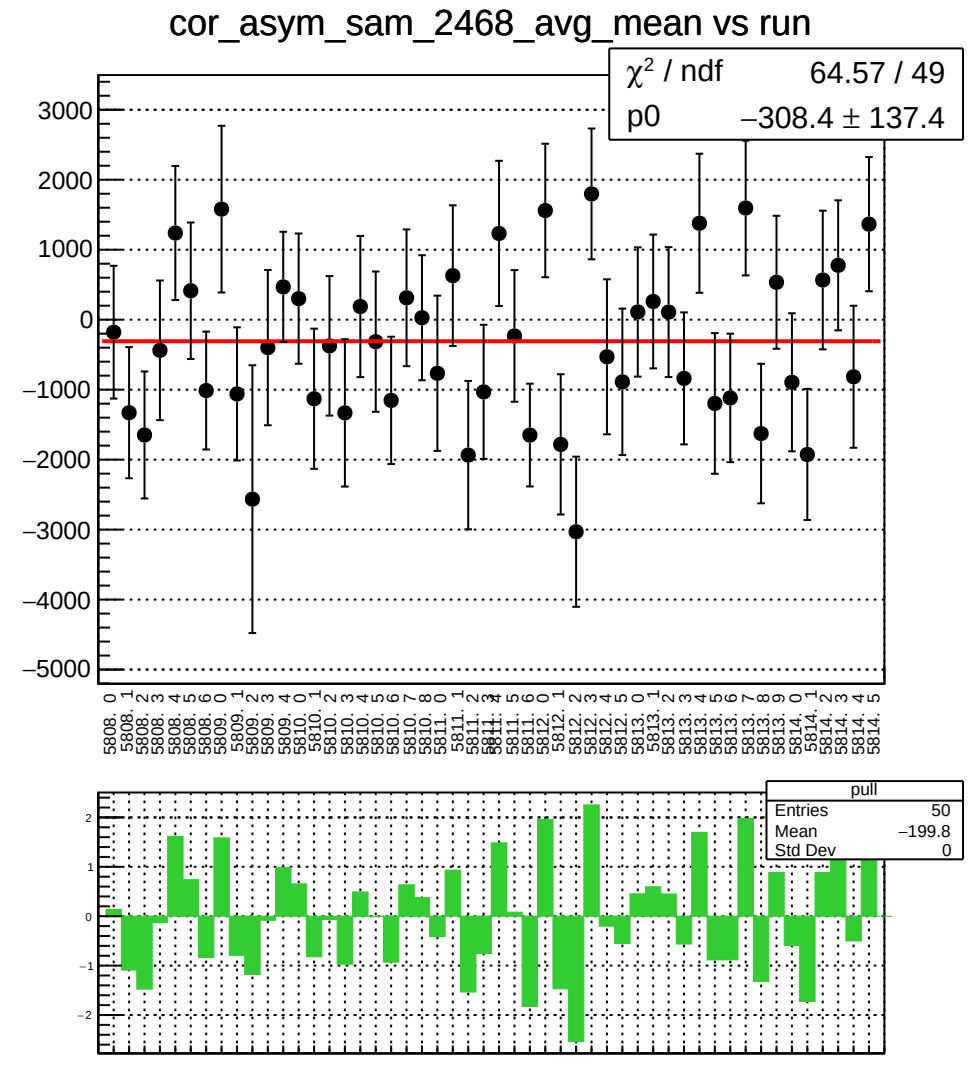
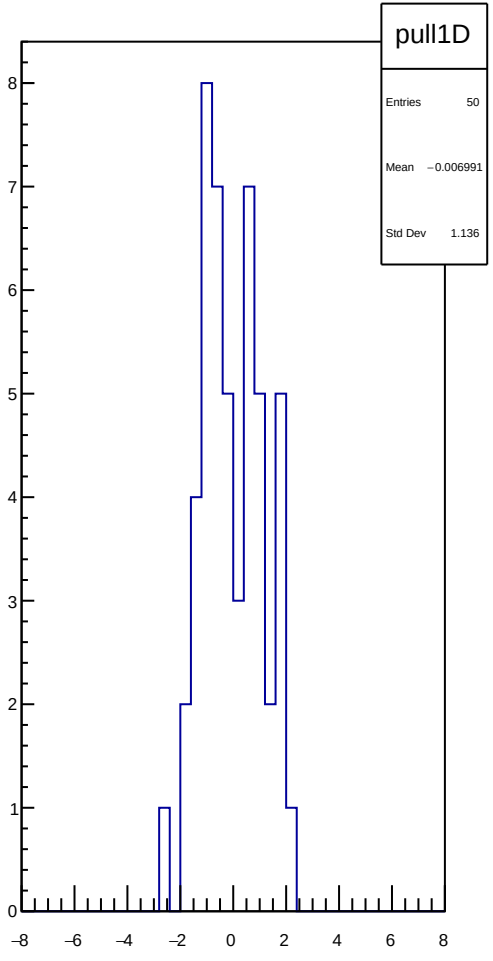
5814. 5

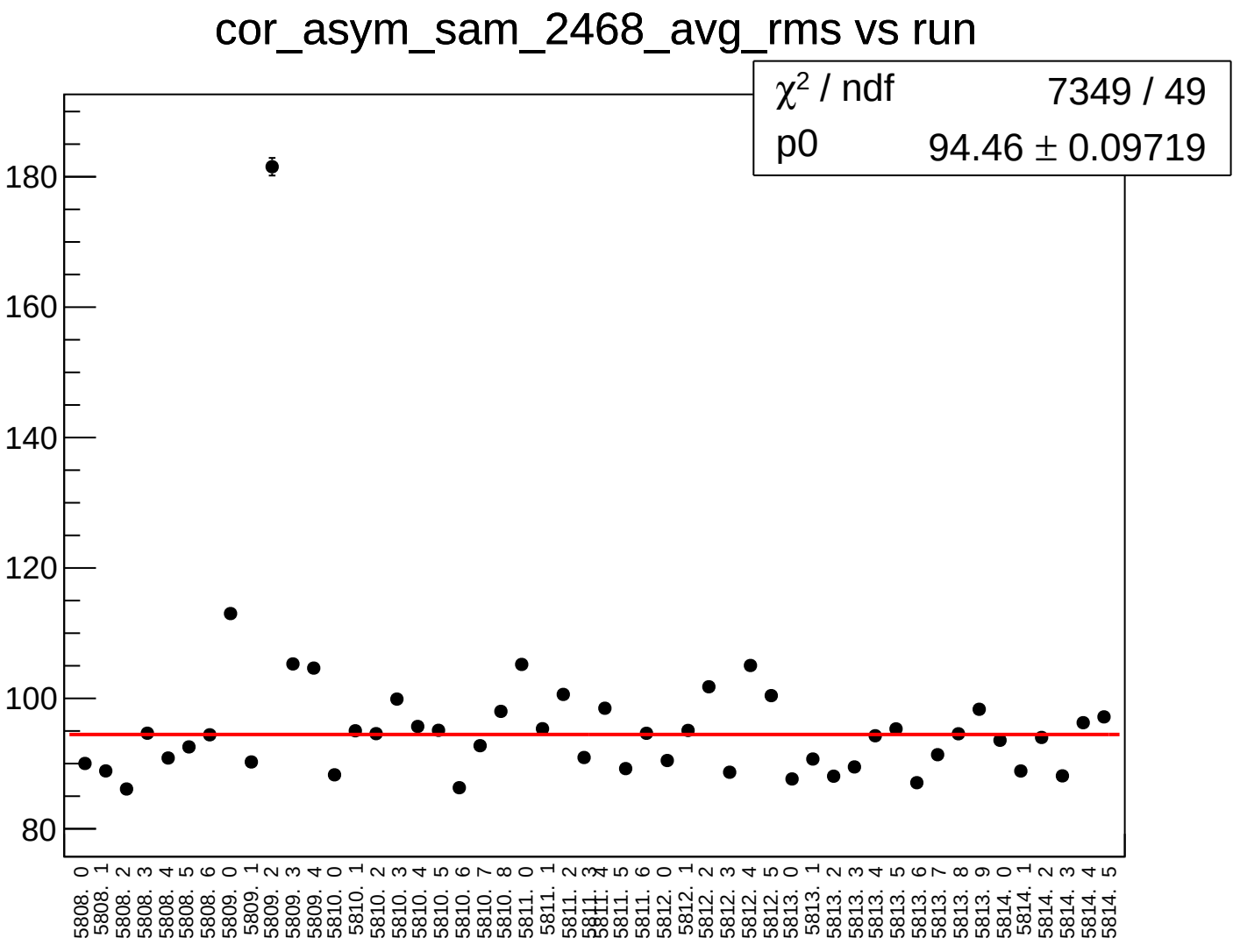

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 52.05 / 49
p0 −3744 ± 1880
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −1032
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.004608
Std Dev 1.02
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 4327 / 49
p0 1294 ± 1.329
1500
1450
1400
1350
1300
1250
1200
1150
1100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


cor_asym_sam_2468_avg_mean vs run
χ² / ndf 64.57 / 49
p0 −308.4 ± 137.4
pull
Entries 50
Mean −199.8
Std Dev 0


pull1D
Entries 50
Mean −0.006991
Std Dev 1.136


cor_asym_sam_2468_avg_rms vs run
χ² / ndf 7349 / 49
p0 94.46 ± 0.09719
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 3
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5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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5813. 3
5813. 4
5813. 5
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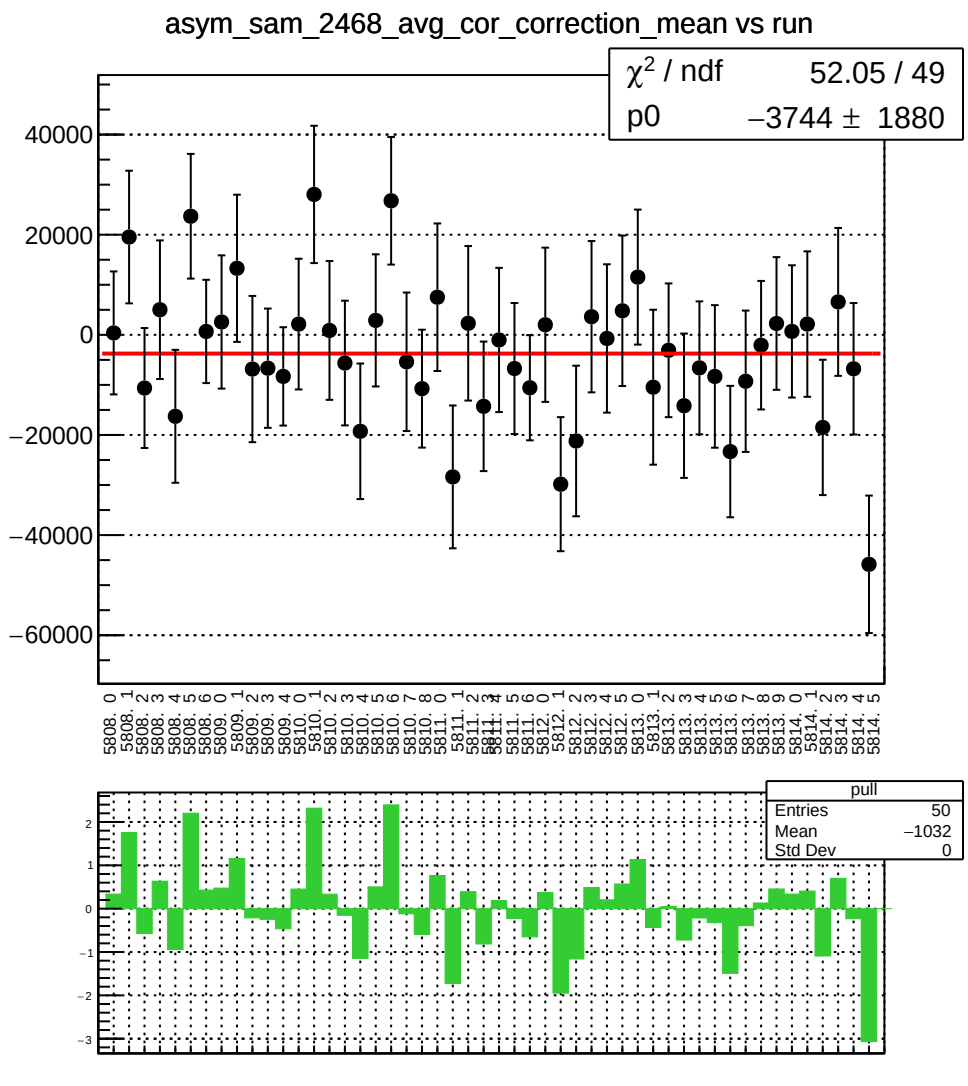
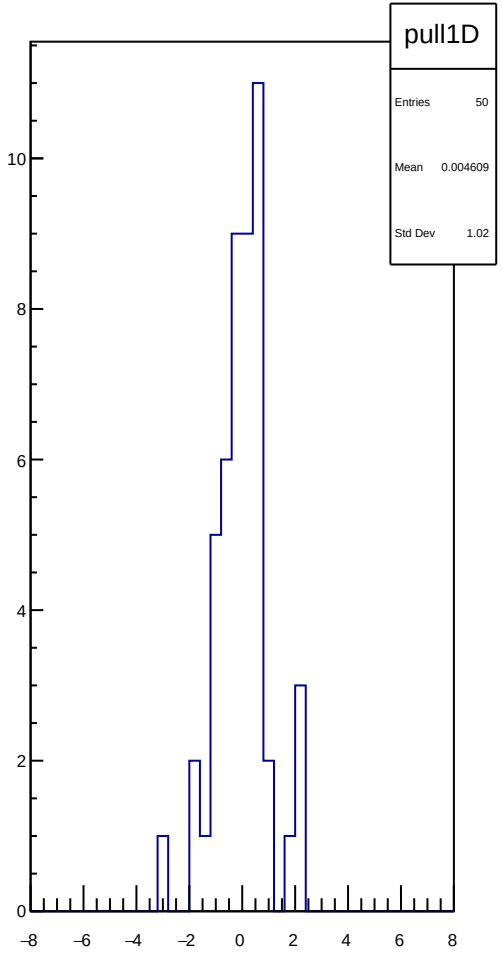
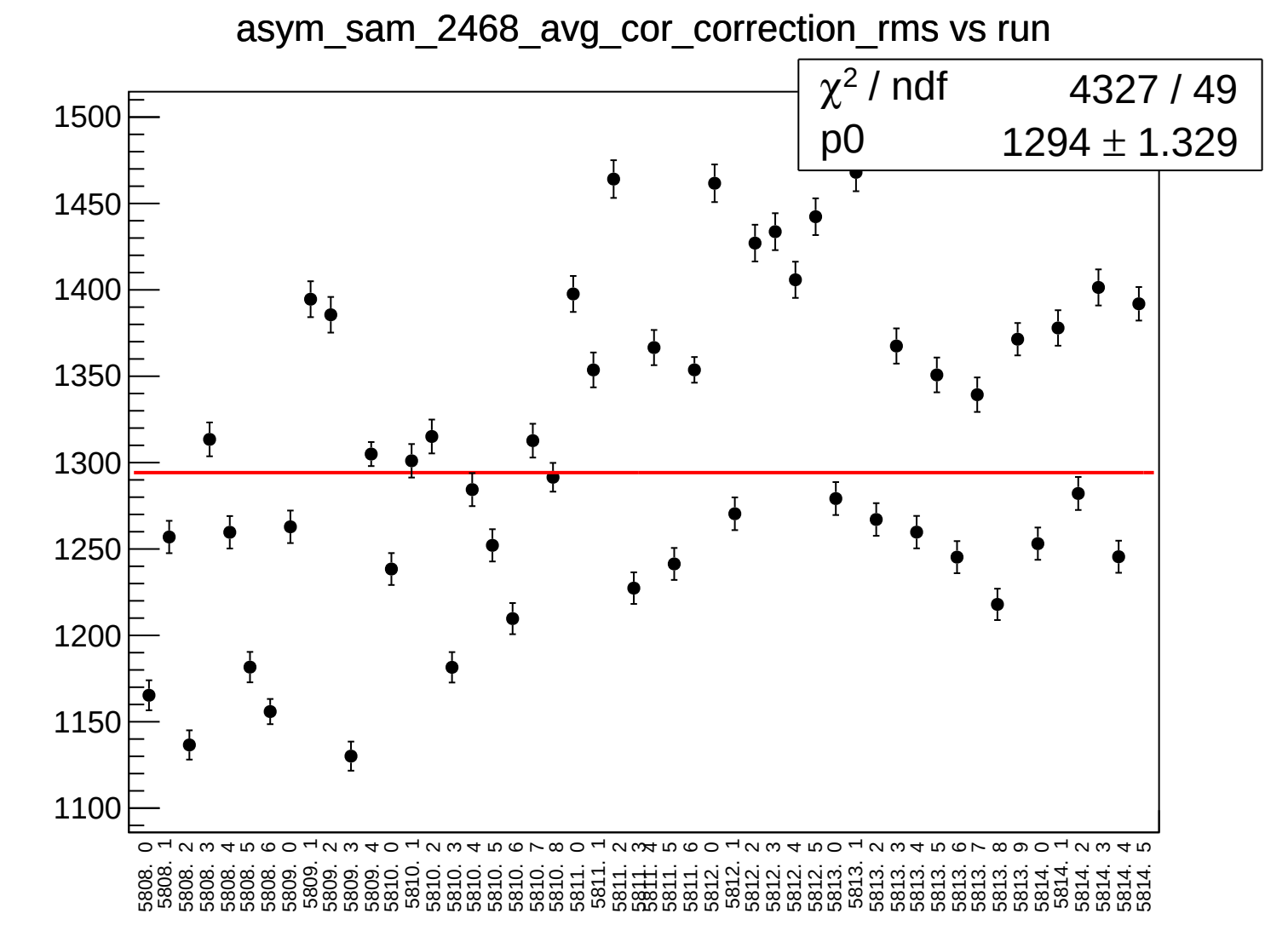
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 52.05 / 49
p0 −3744 ± 1880
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −1032
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.004609
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 4327 / 49
p0 1294 ± 1.329
1500
1450
1400
1350
1300
1250
1200
1150
1100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
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5811. 6
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5812. 2
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5812. 5
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5813. 9
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5814. 1
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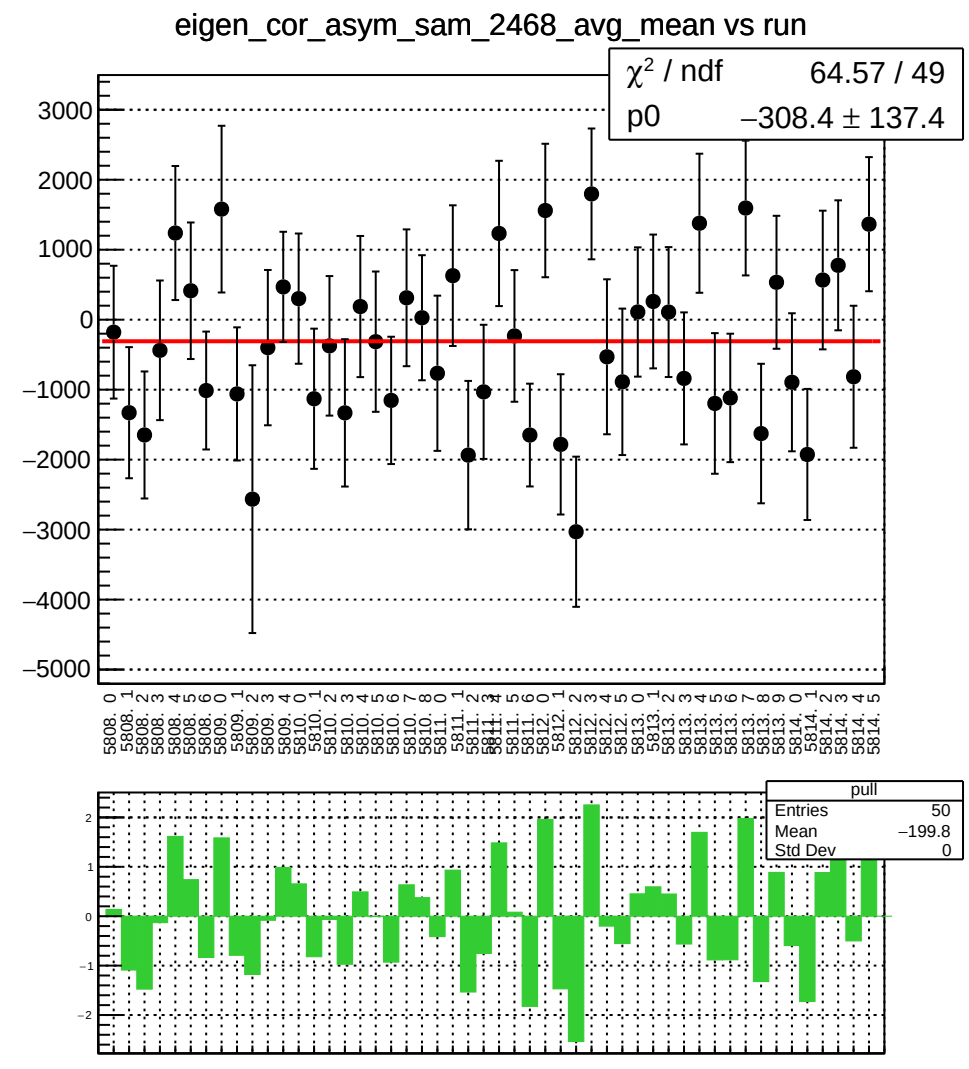
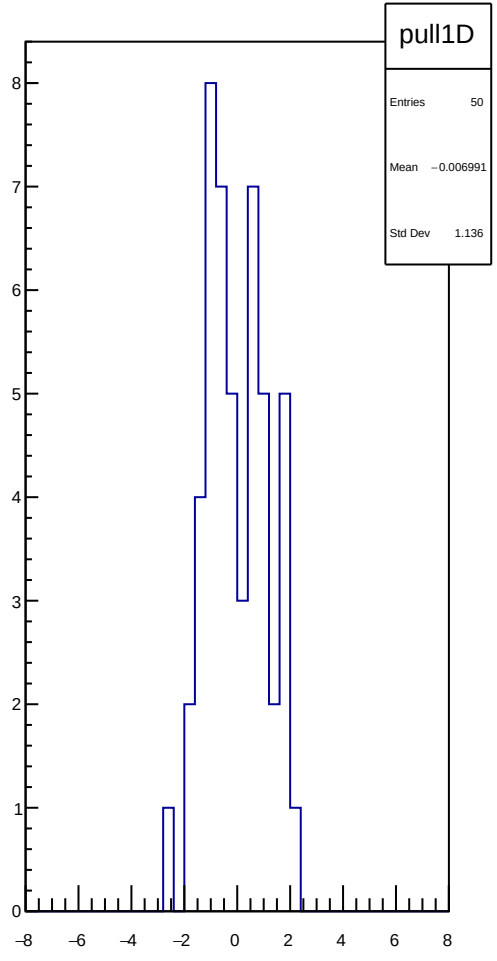
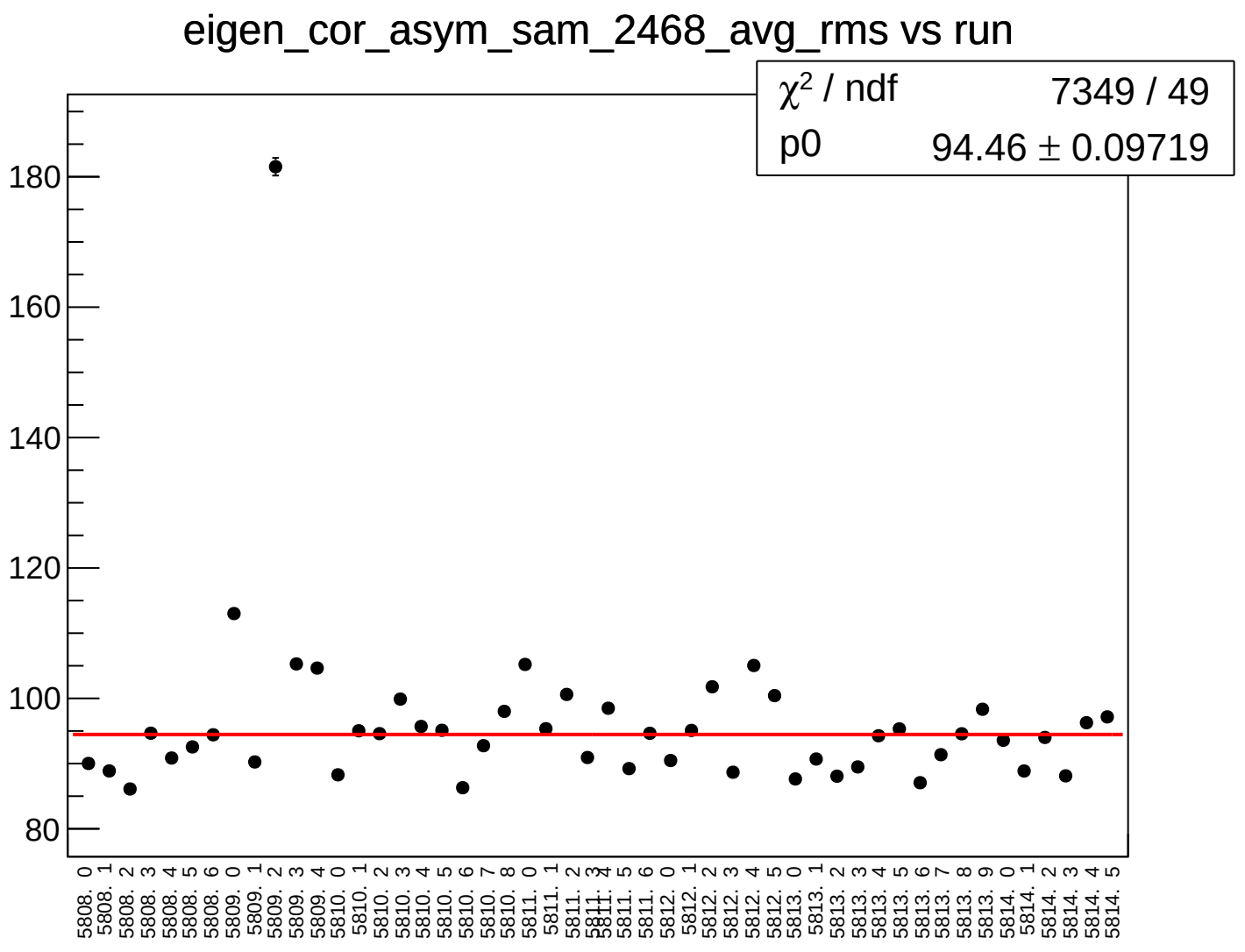
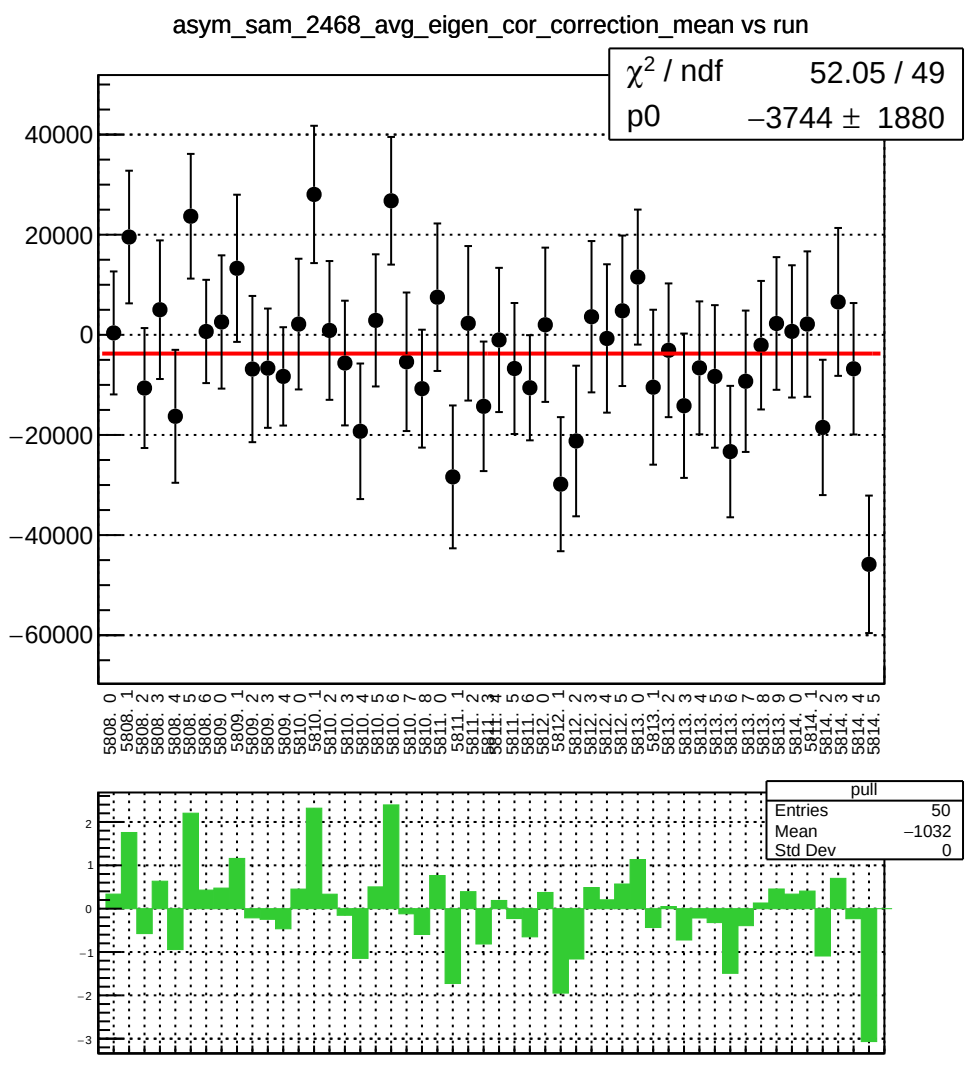
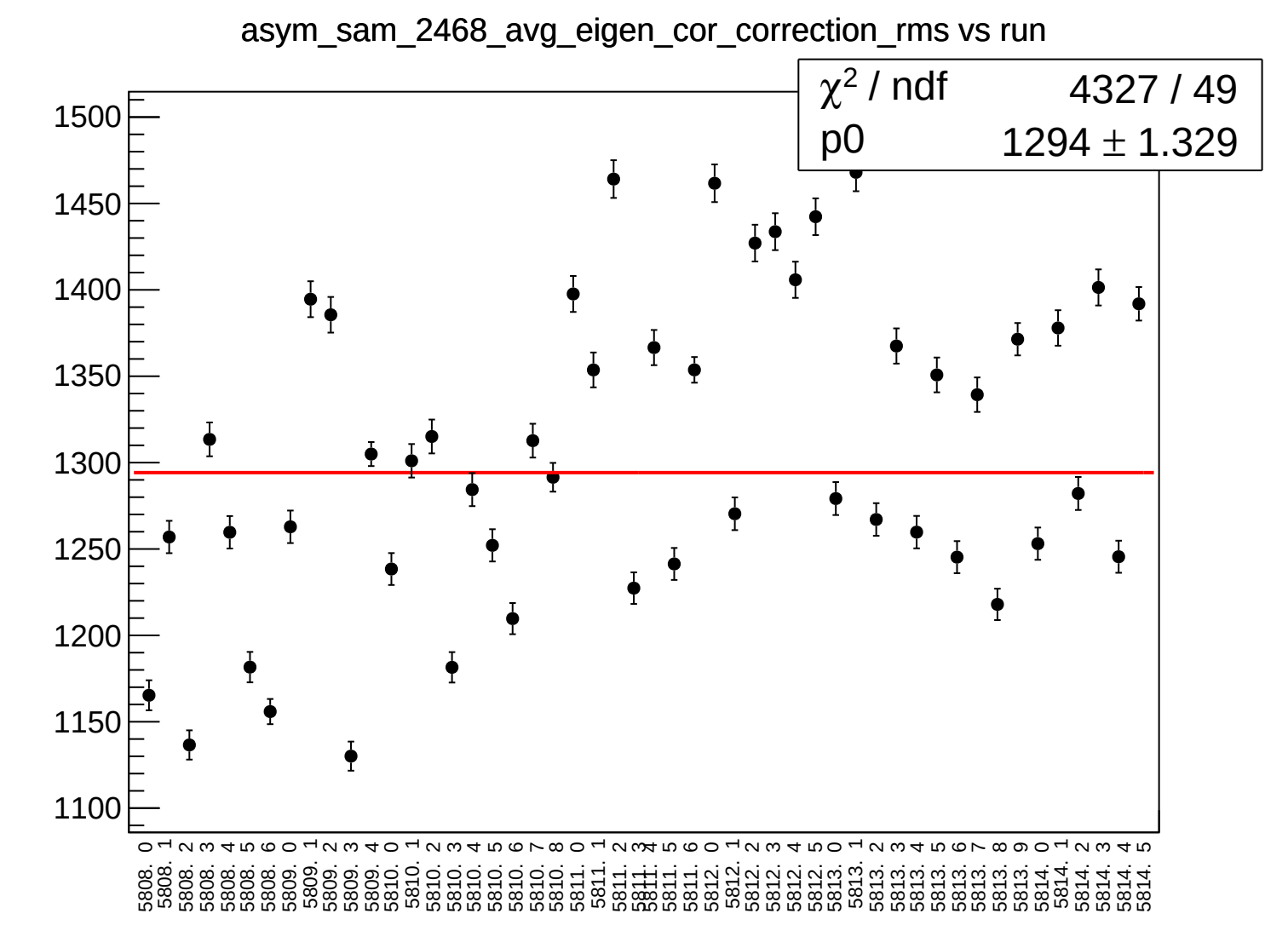
5814. 3
5814. 4
5814. 5

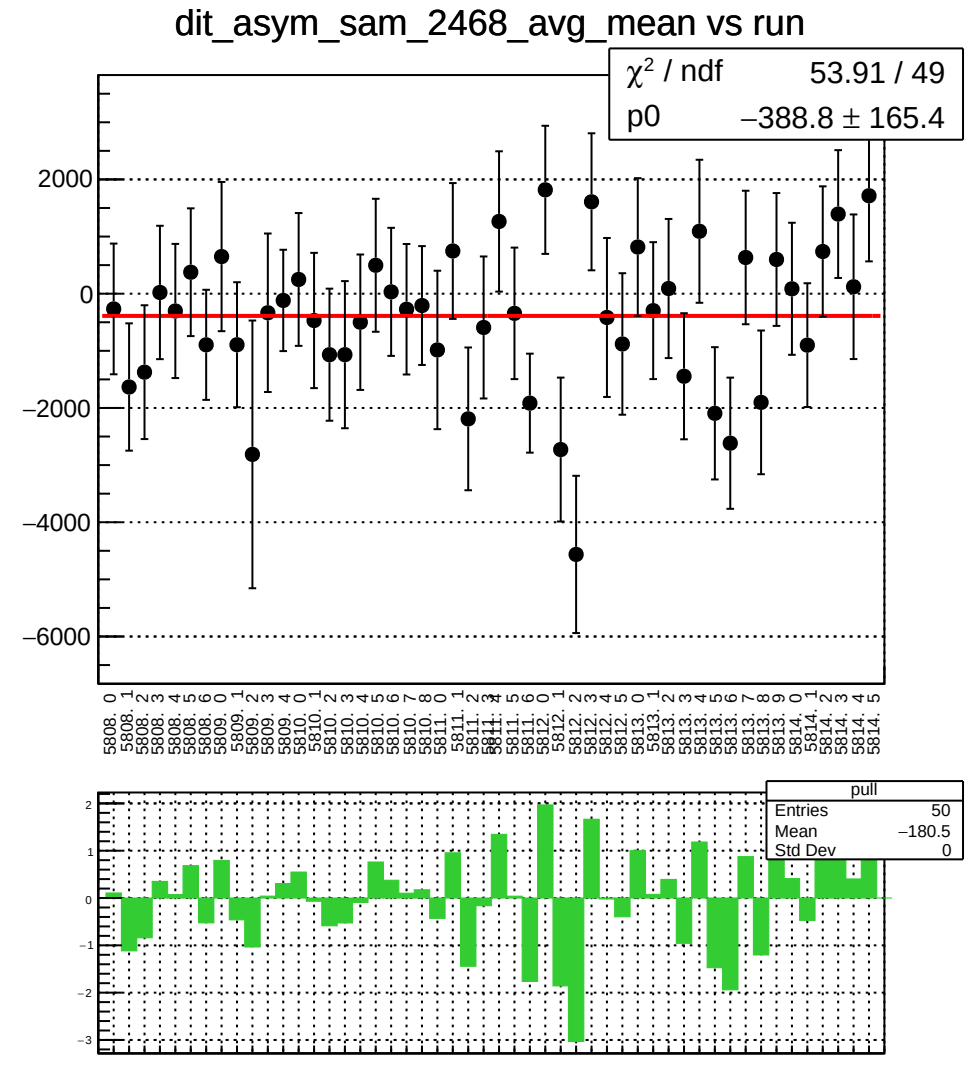

eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 64.57 / 49
p0 −308.4 ± 137.4
pull
Entries 50
Mean −199.8
Std Dev 0

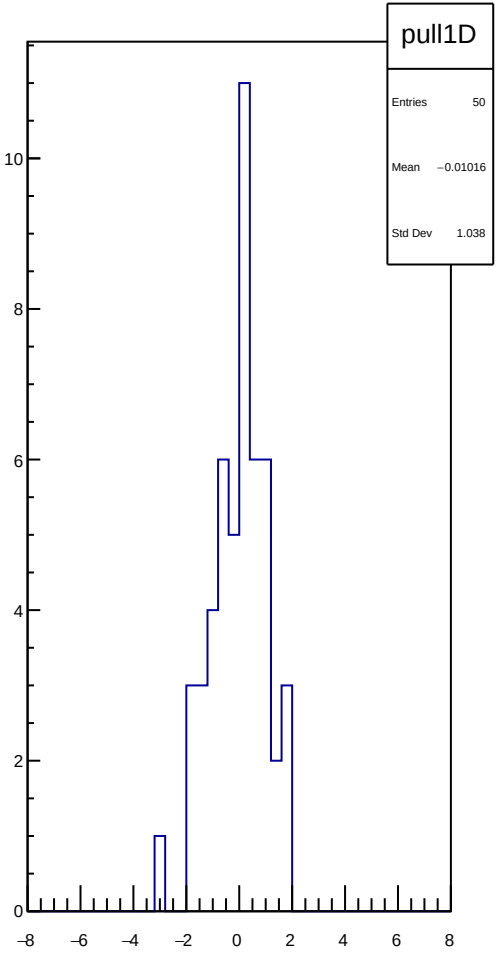

pull1D
Entries 50
Mean −0.006991
Std Dev 1.136

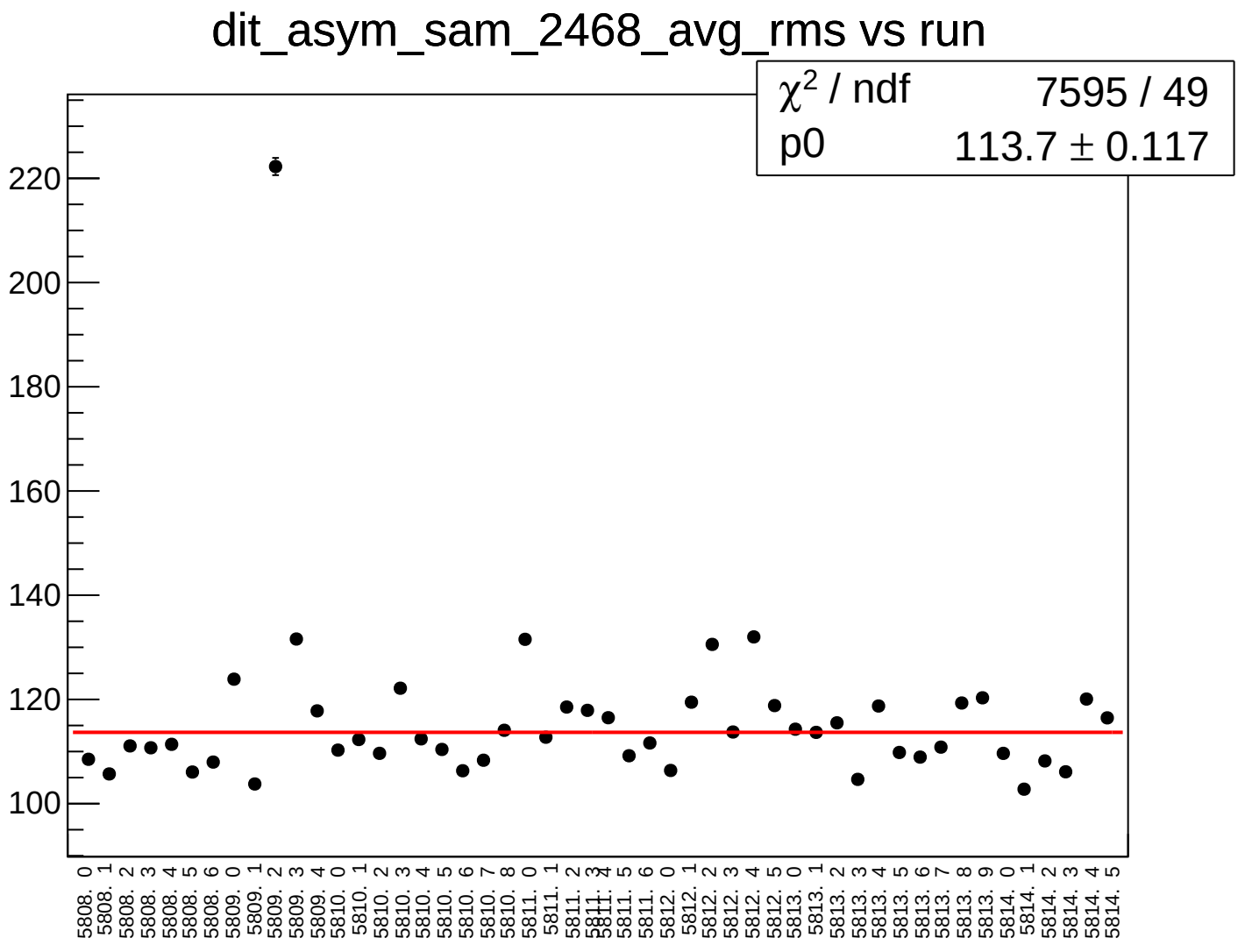

eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 7349 / 49
p0 94.46 ± 0.09719
180
160
140
120
100
80
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

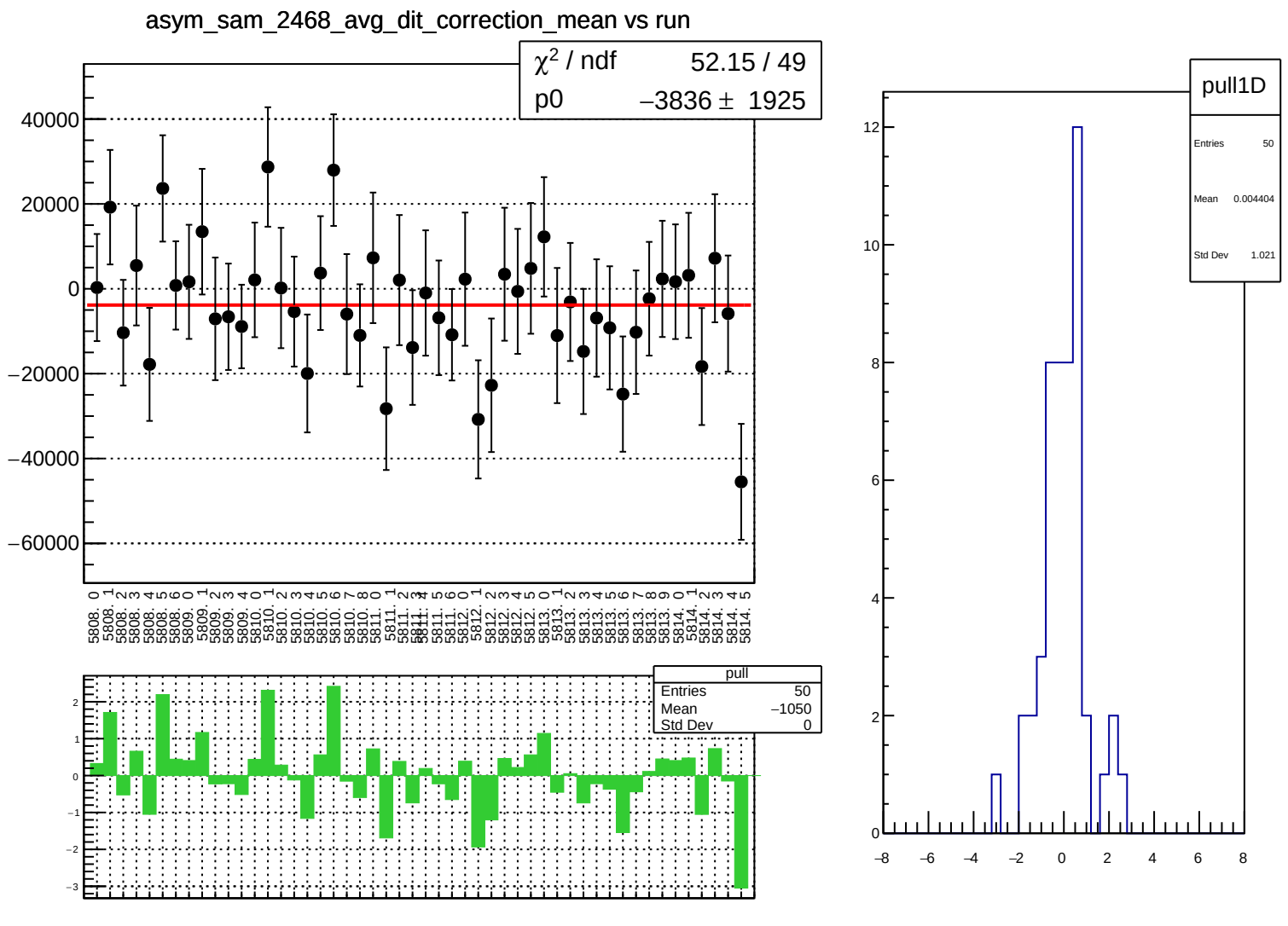

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.05 / 49
p0 −3744 ± 1880
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1032
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.004609
Std Dev 1.02
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

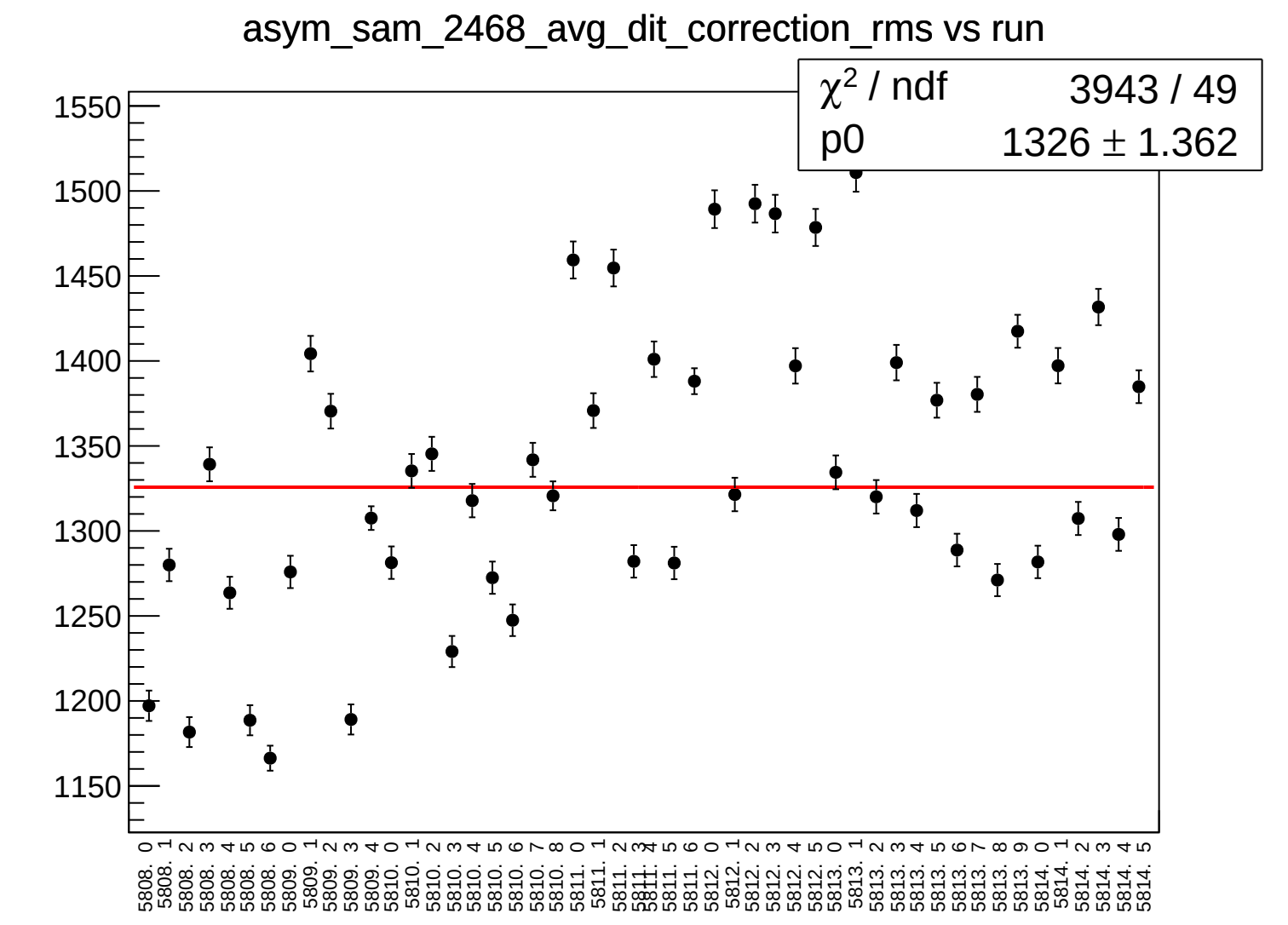

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 4327 / 49
p0 1294 ± 1.329
1500
1450
1400
1350
1300
1250
1200
1150
1100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

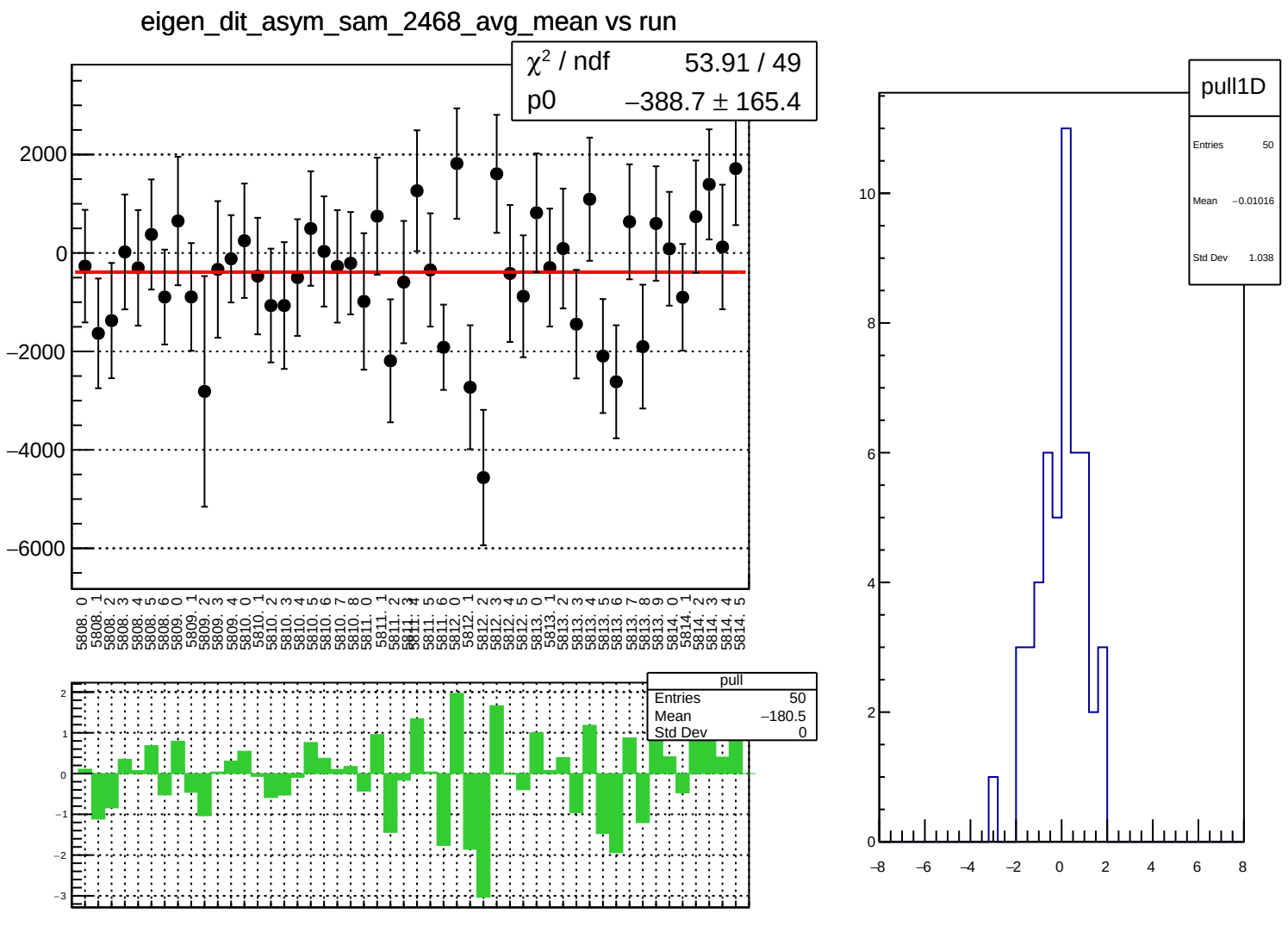

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 53.91 / 49
p0 −388.8 ± 165.4
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −180.5
Std Dev 0
2
1
0
−1
−2
−3

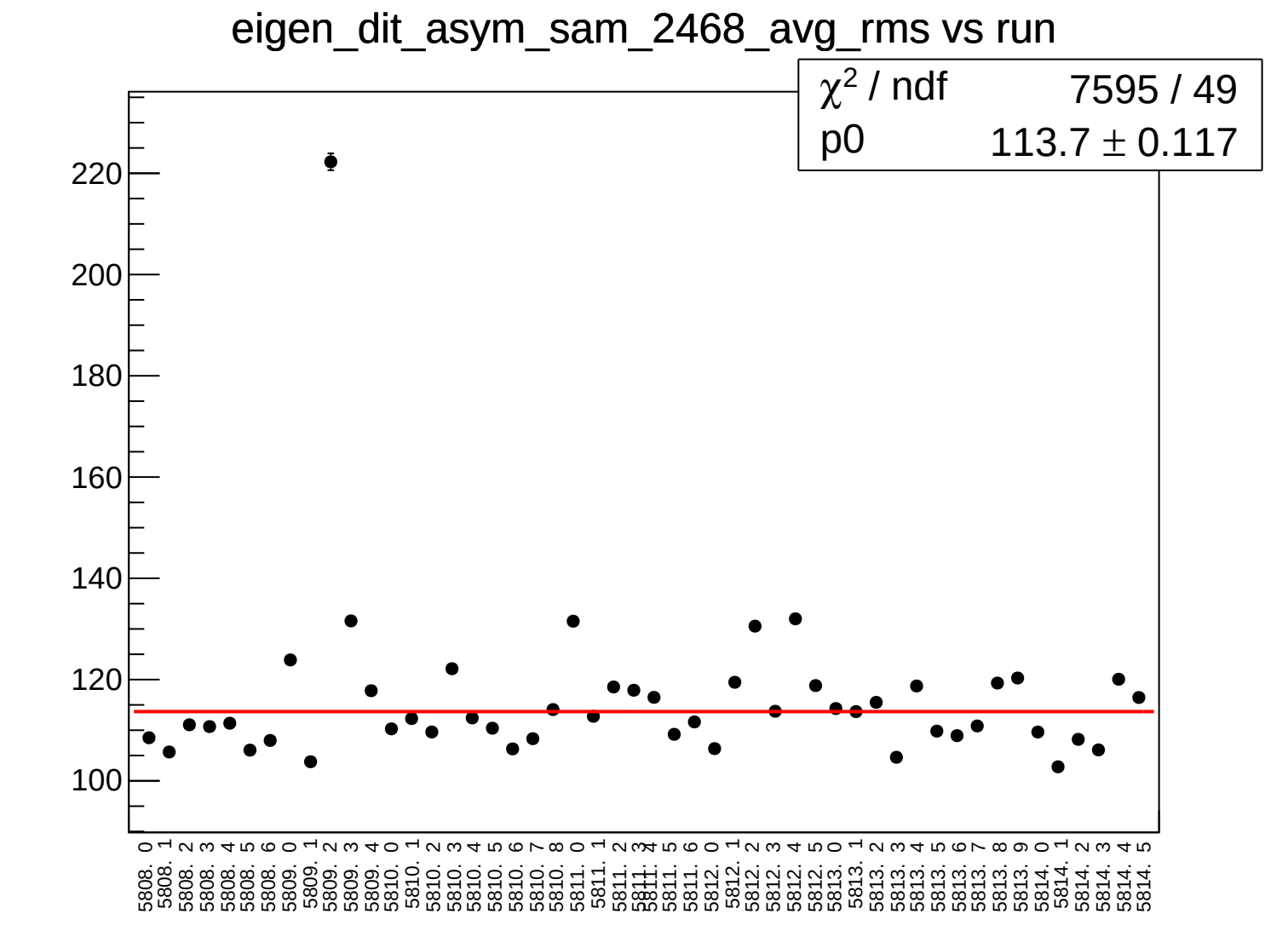

pull1D
Entries 50
Mean −0.01016
Std Dev 1.038
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

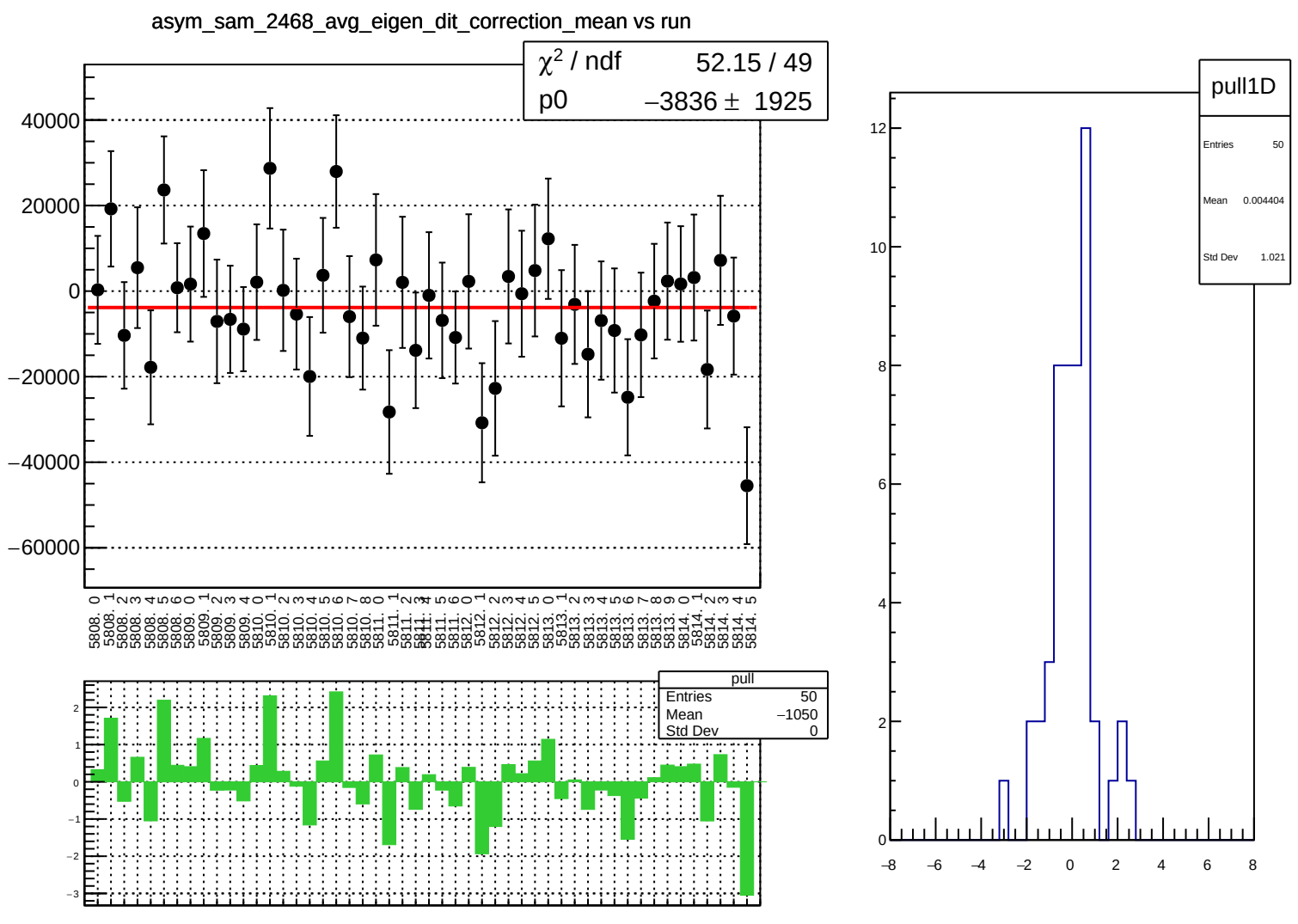

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7595 / 49
p0 113.7 ± 0.117
220
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

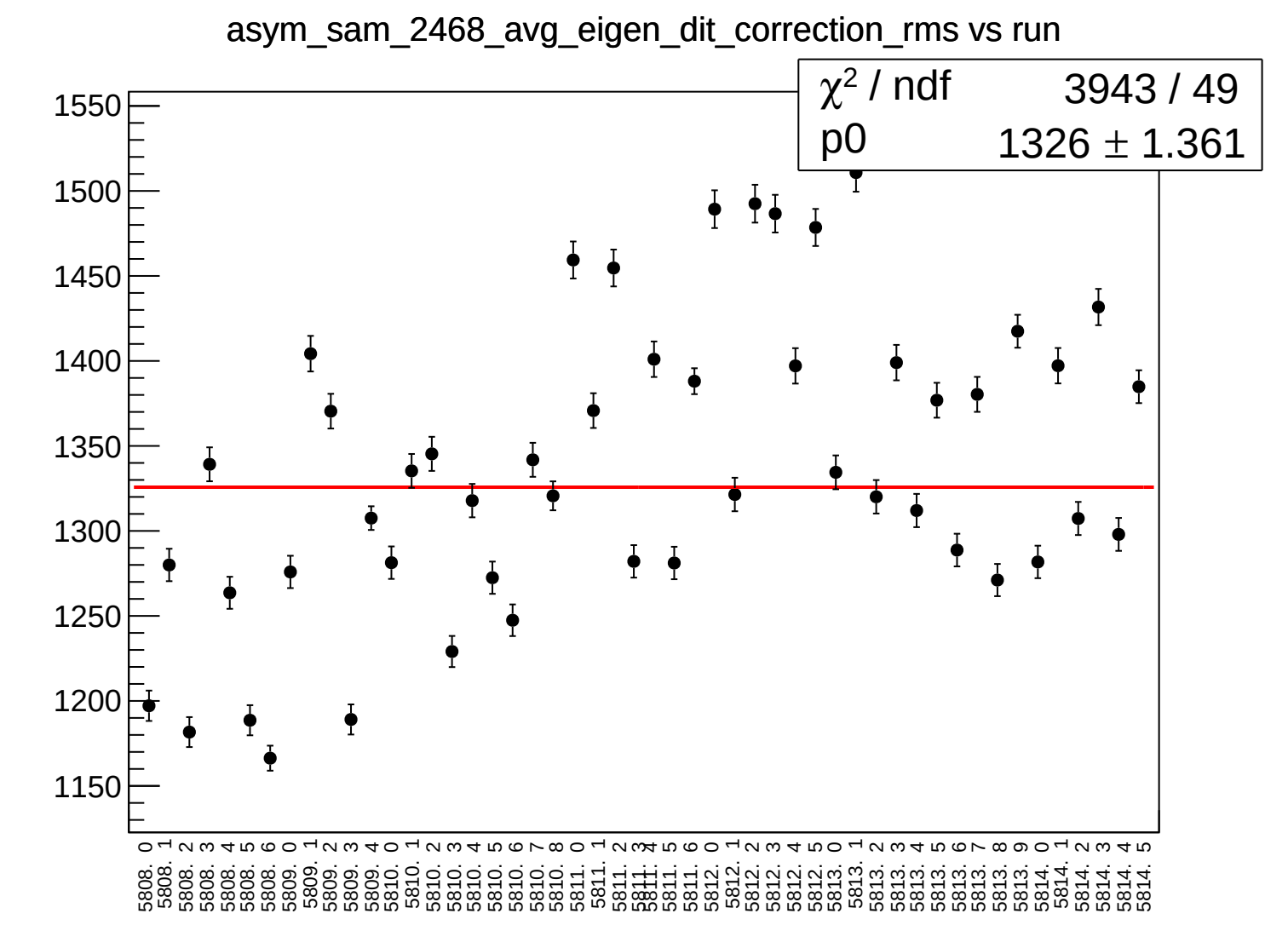

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 52.15 / 49
p0 −3836 ± 1925
40000
20000
0
−20000
−40000
−60000
pull
Entries 50
Mean −1050
Std Dev 0
pull1D
Entries 50
Mean 0.004404
Std Dev 1.021

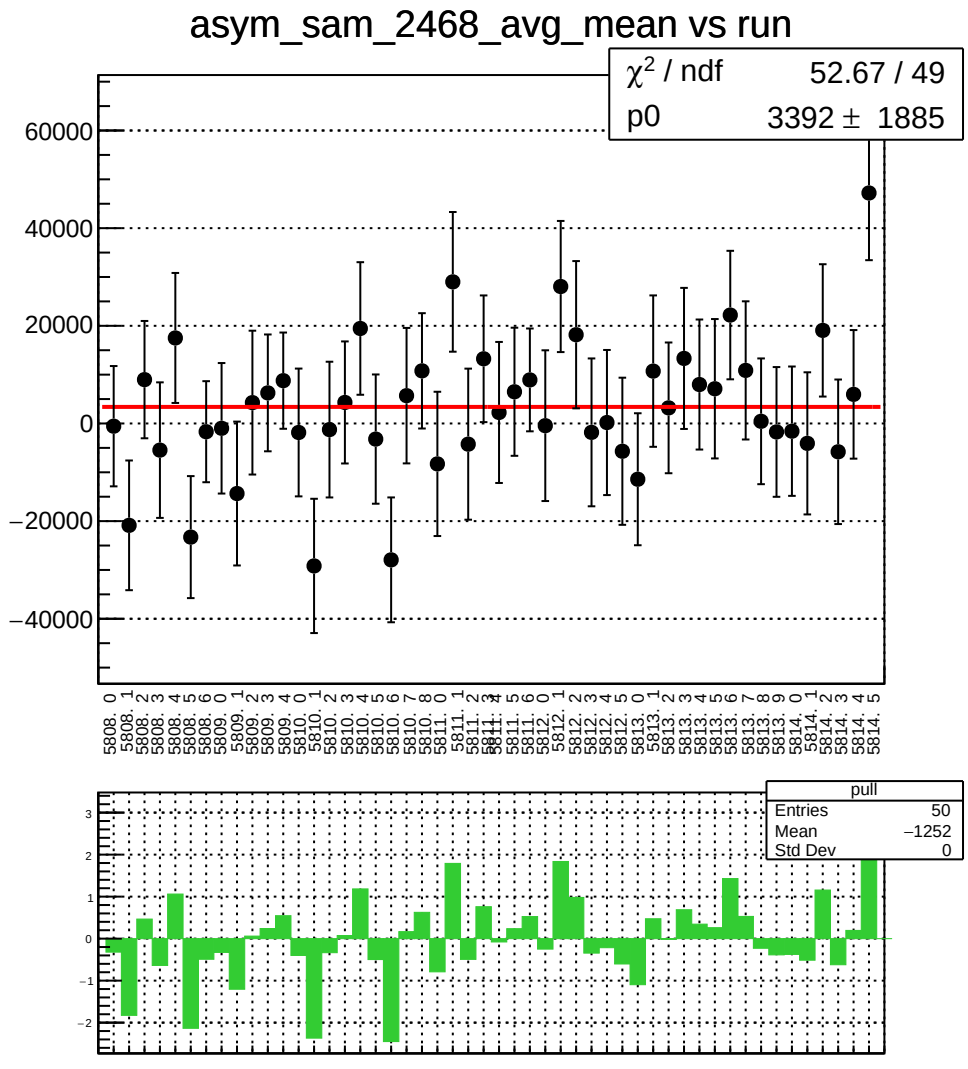

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 3943 / 49
p0 1326 ± 1.362
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

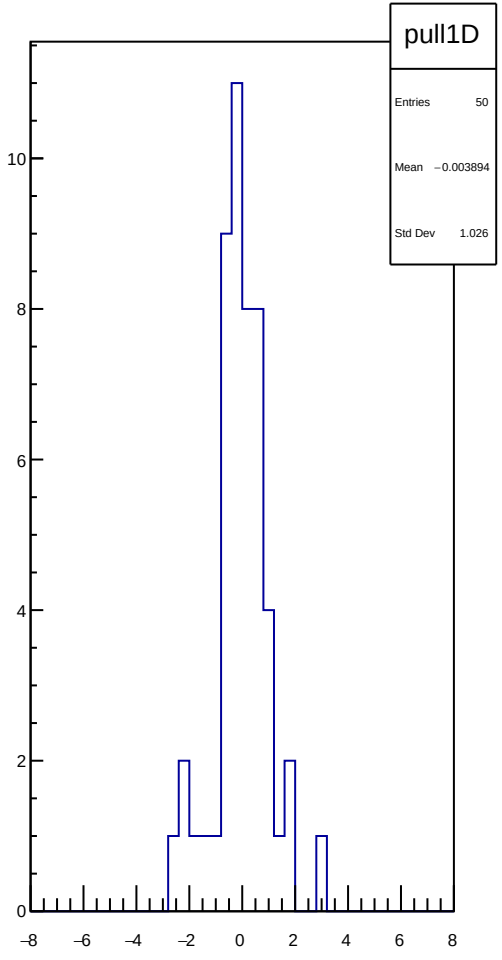

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 53.91 / 49
p0 −388.7 ± 165.4
2000
0
−2000
−4000
−6000
pull
Entries 50
Mean −180.5
Std Dev 0
pull1D
Entries 50
Mean −0.01016
Std Dev 1.038

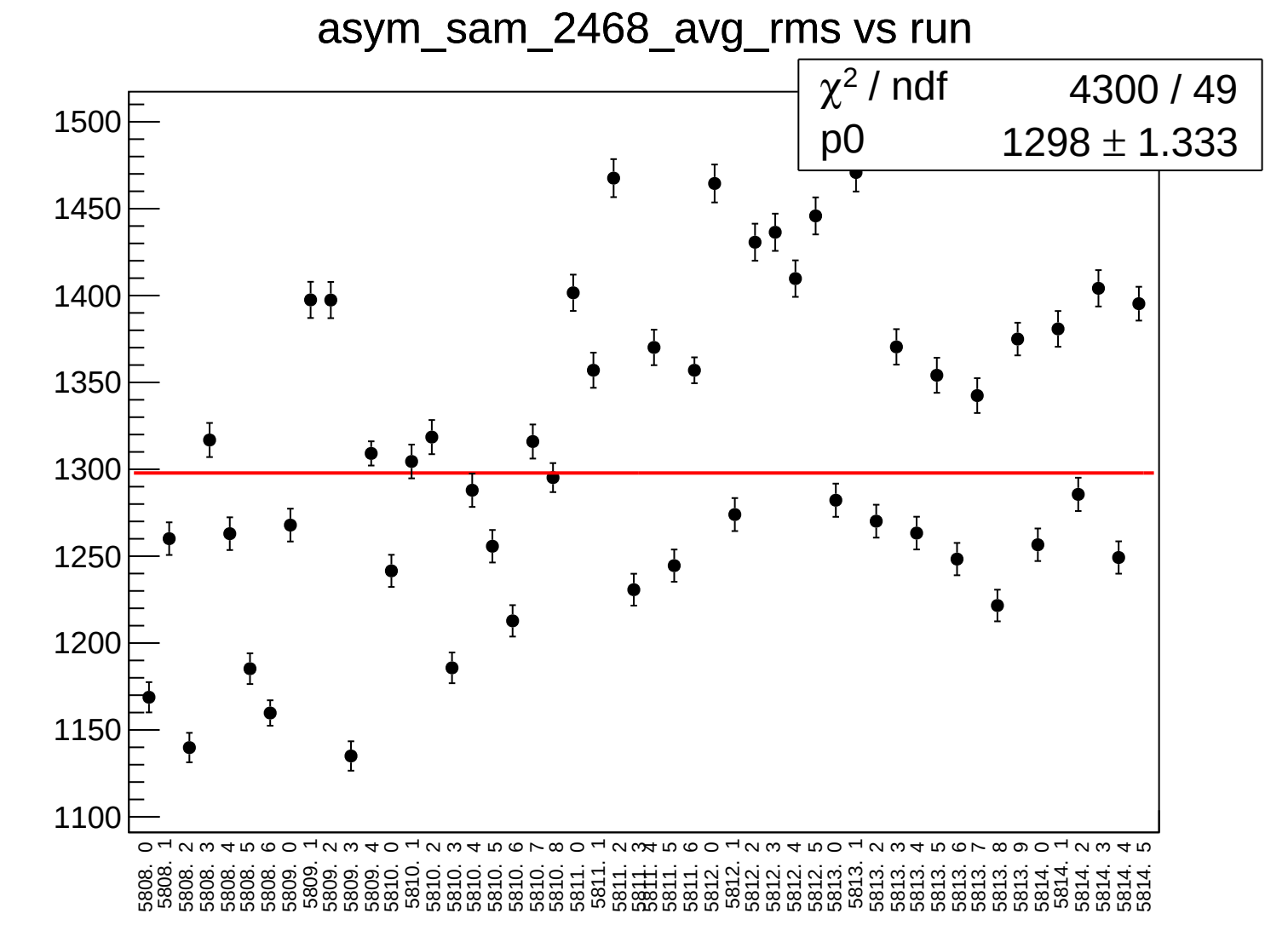

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 7595 / 49
p0 113.7 ± 0.117
220
200
180
160
140
120
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

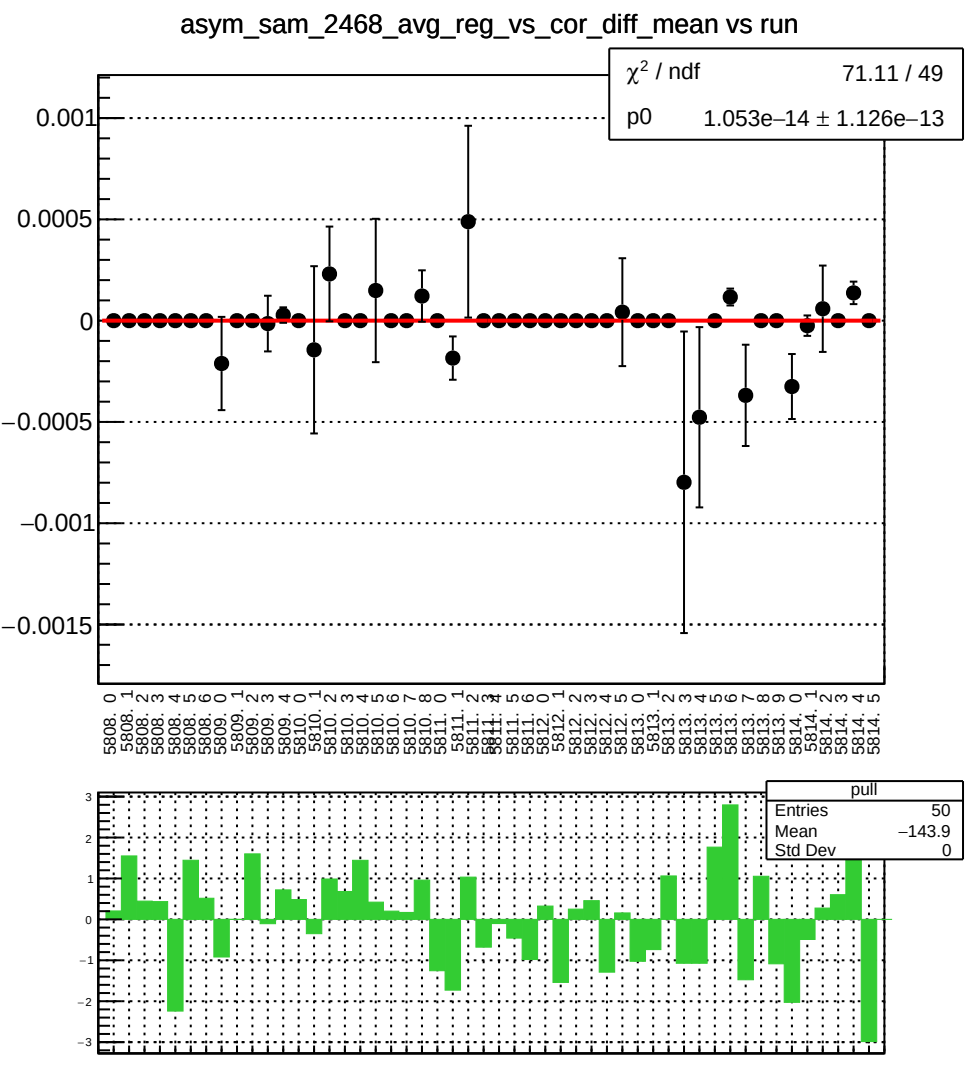

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 52.15 / 49
p0 −3836 ± 1925
40000
20000
0
−20000
−40000
−60000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1050
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 50
Mean 0.004404
Std Dev 1.021
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

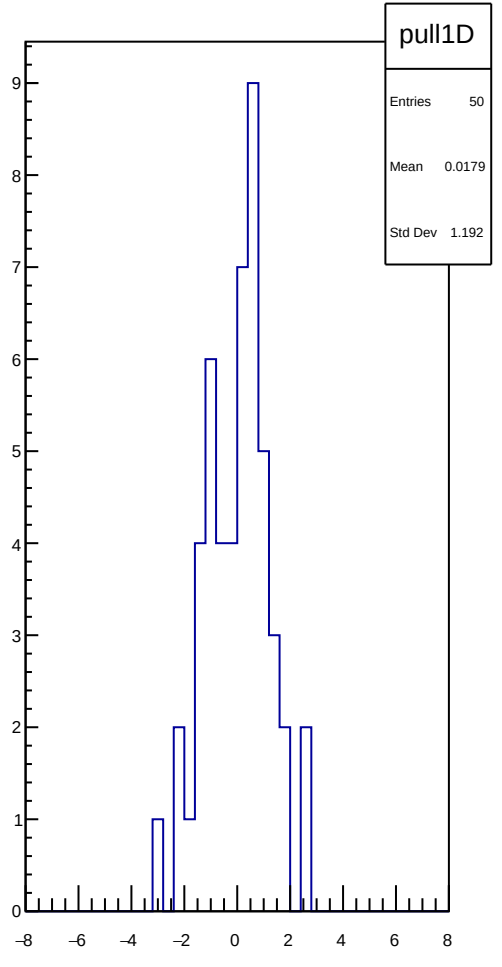

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 3943 / 49
p0 1326 ± 1.361
1550
1500
1450
1400
1350
1300
1250
1200
1150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

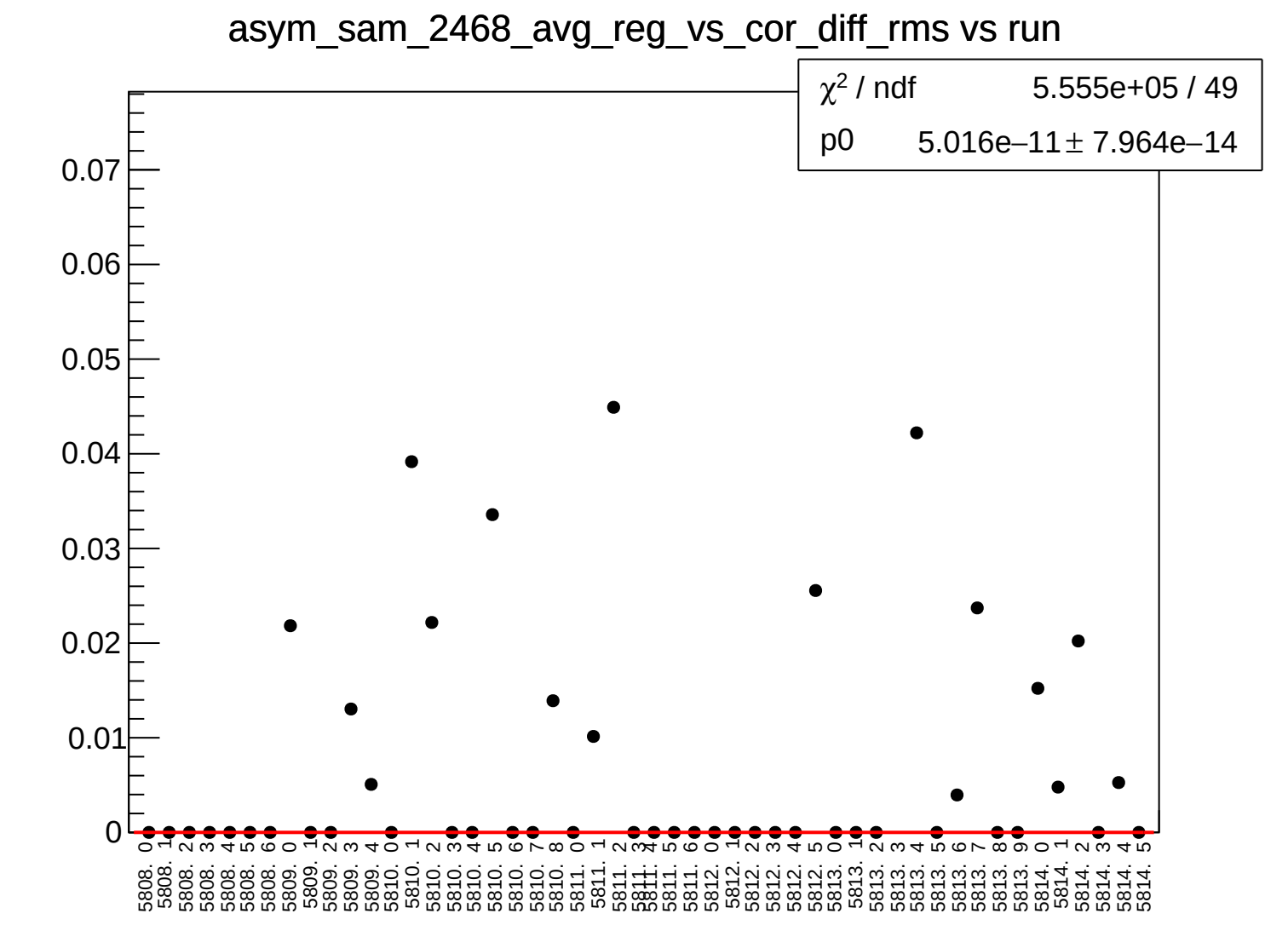

asym_sam_2468_avg_mean vs run
χ² / ndf 52.67 / 49
p0 3392 ± 1885
60000
40000
20000
0
−20000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1252
Std Dev 0
3
2
1
0
−1
−2

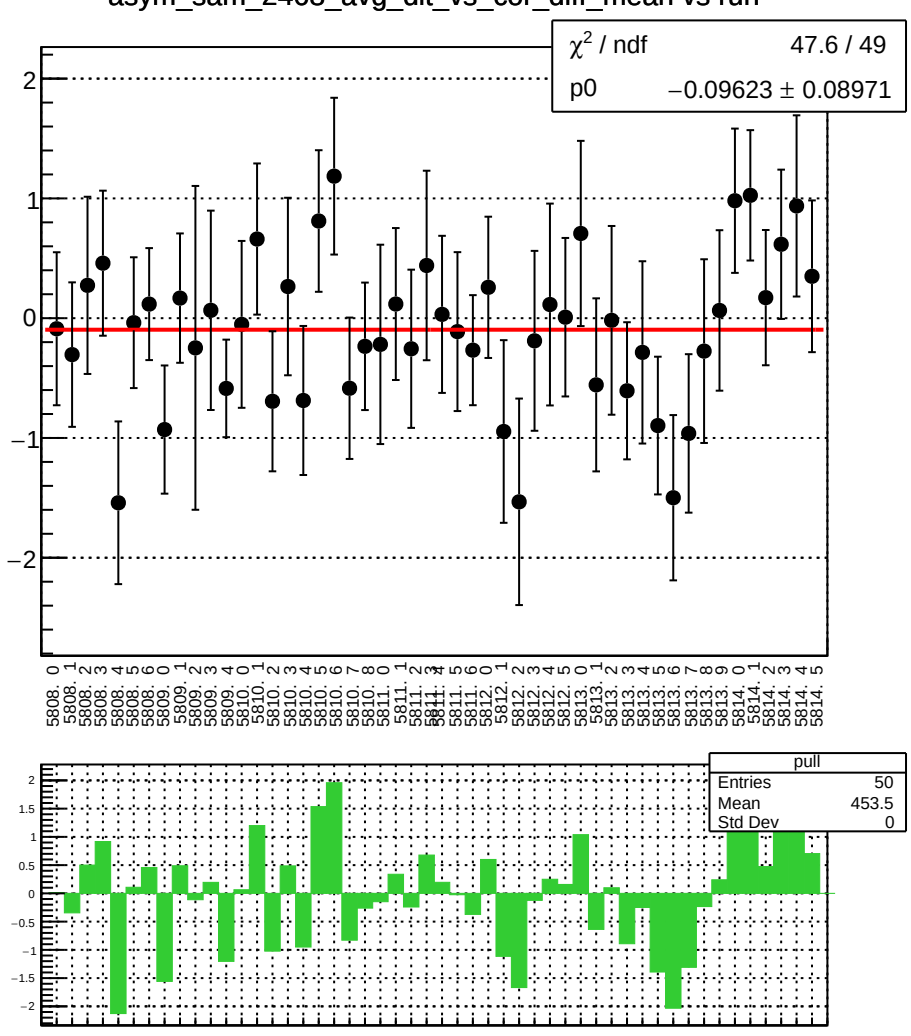

pull1D
Entries 50
Mean −0.003894
Std Dev 1.026
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

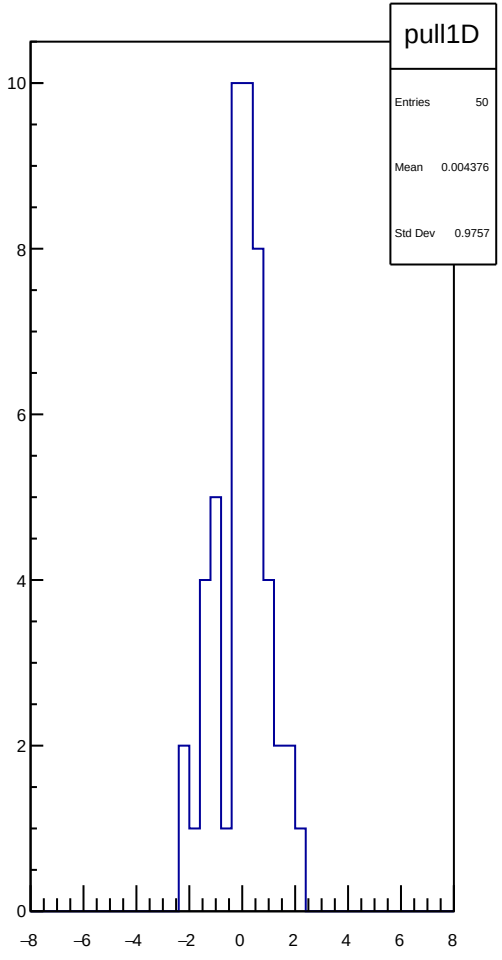

asym_sam_2468_avg_rms vs run
χ² / ndf 4300 / 49
p0 1298 ± 1.333
1500
1450
1400
1350
1300
1250
1200
1150
1100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

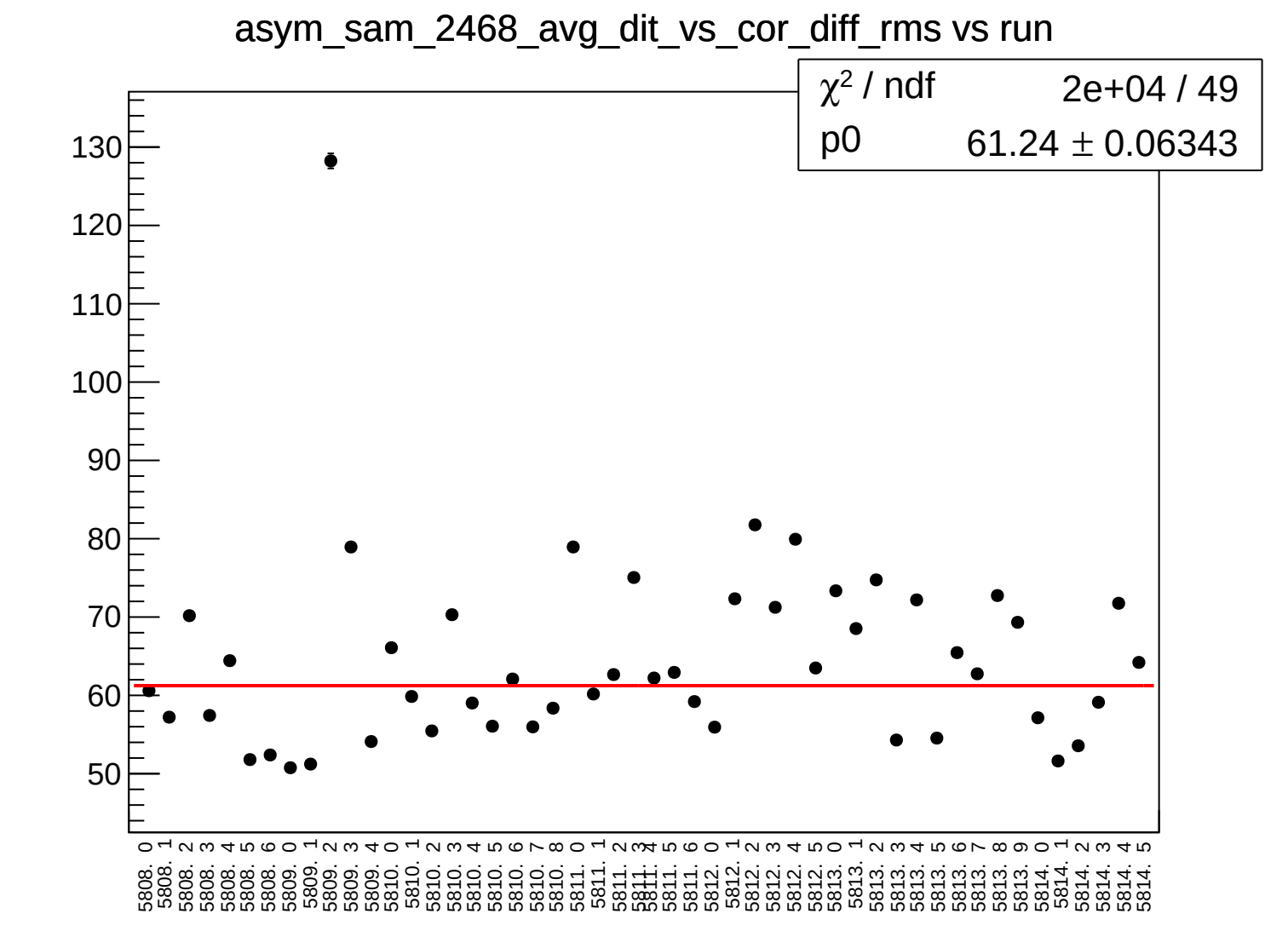

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 71.11 / 49
p0 1.053e−14 ± 1.126e−13
0.001
0.0005
0
−0.0005
−0.001
−0.0015
pull
Entries 50
Mean −143.9
Std Dev 0

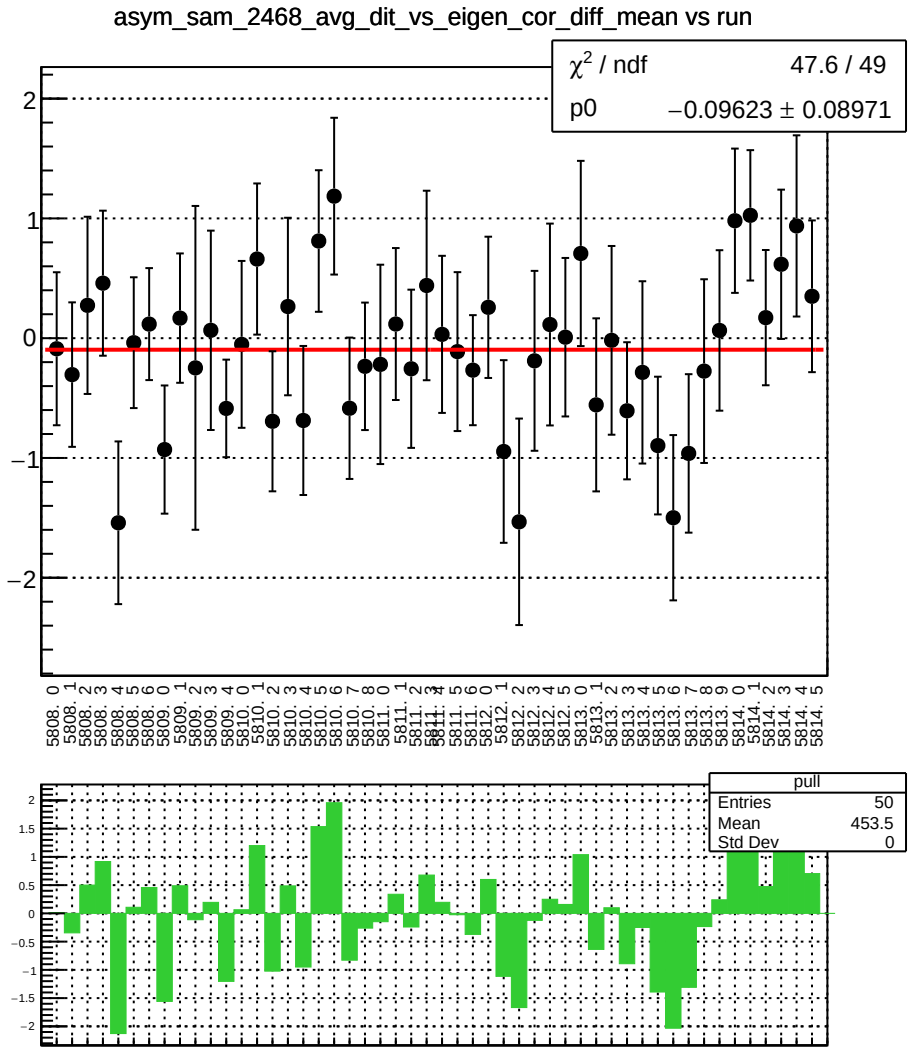

pull1D
Entries 50
Mean 0.0179
Std Dev 1.192

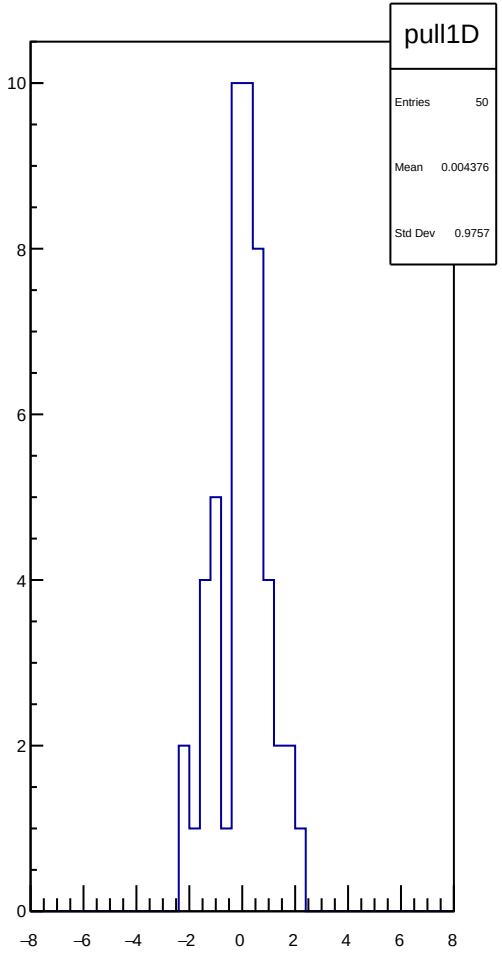

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.555e+05 / 49
p0 5.016e−11 ± 7.964e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

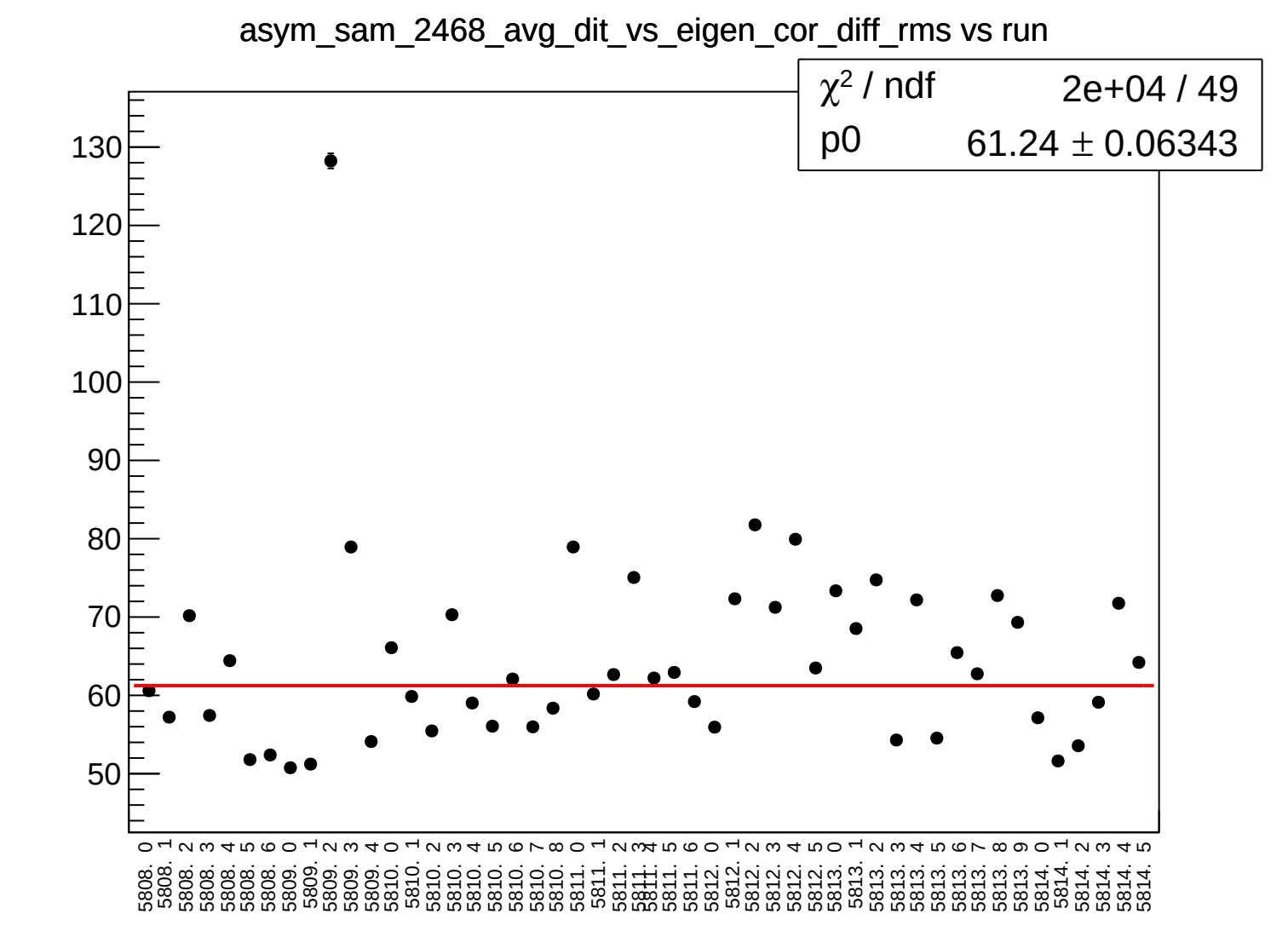

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.6 / 49
p0 −0.09623 ± 0.08971
pull
Entries 50
Mean 453.5
Std Dev 0


pull1D
Entries 50
Mean 0.004376
Std Dev 0.9757


asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2e+04 / 49
p0 61.24 ± 0.06343
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.6 / 49
p0 −0.09623 ± 0.08971
pull
Entries 50
Mean 453.5
Std Dev 0


pull1D
Entries 50
Mean 0.004376
Std Dev 0.9757


asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2e+04 / 49
p0 61.24 ± 0.06343
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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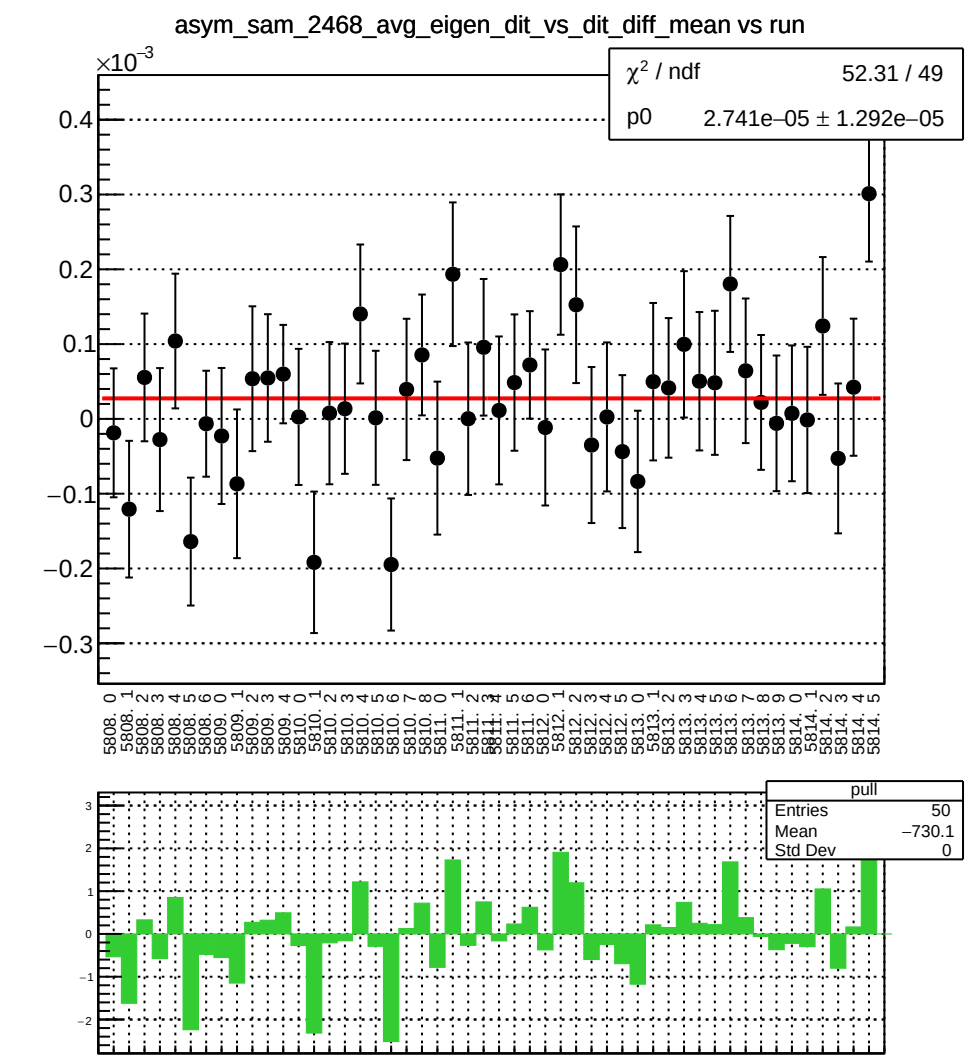
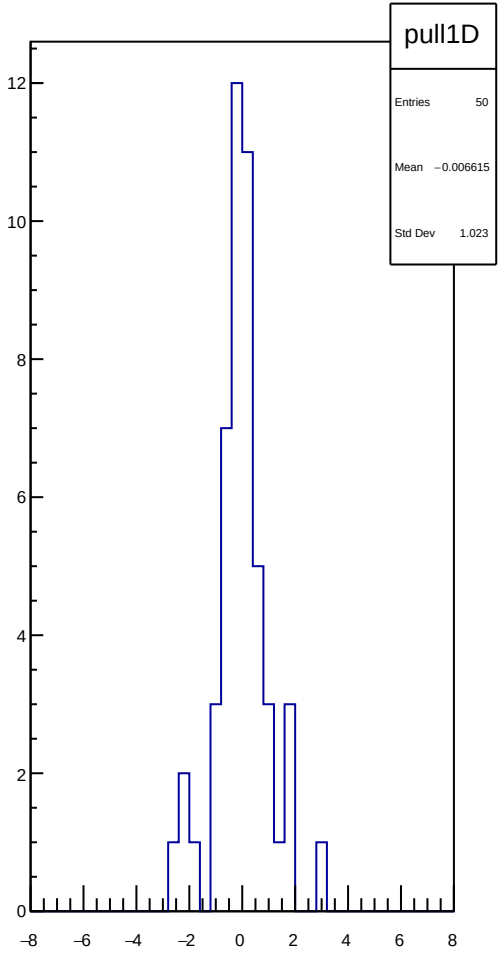
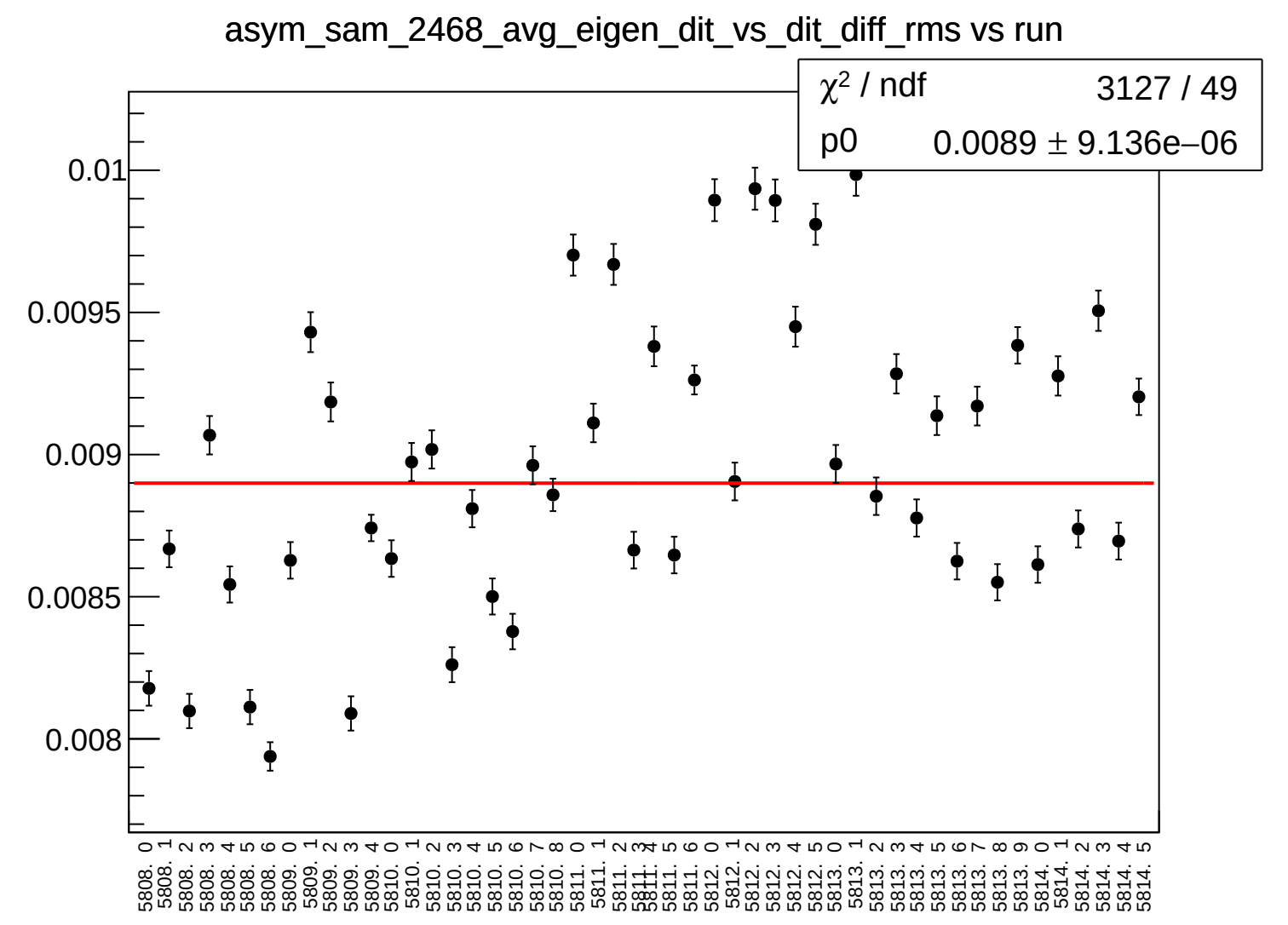
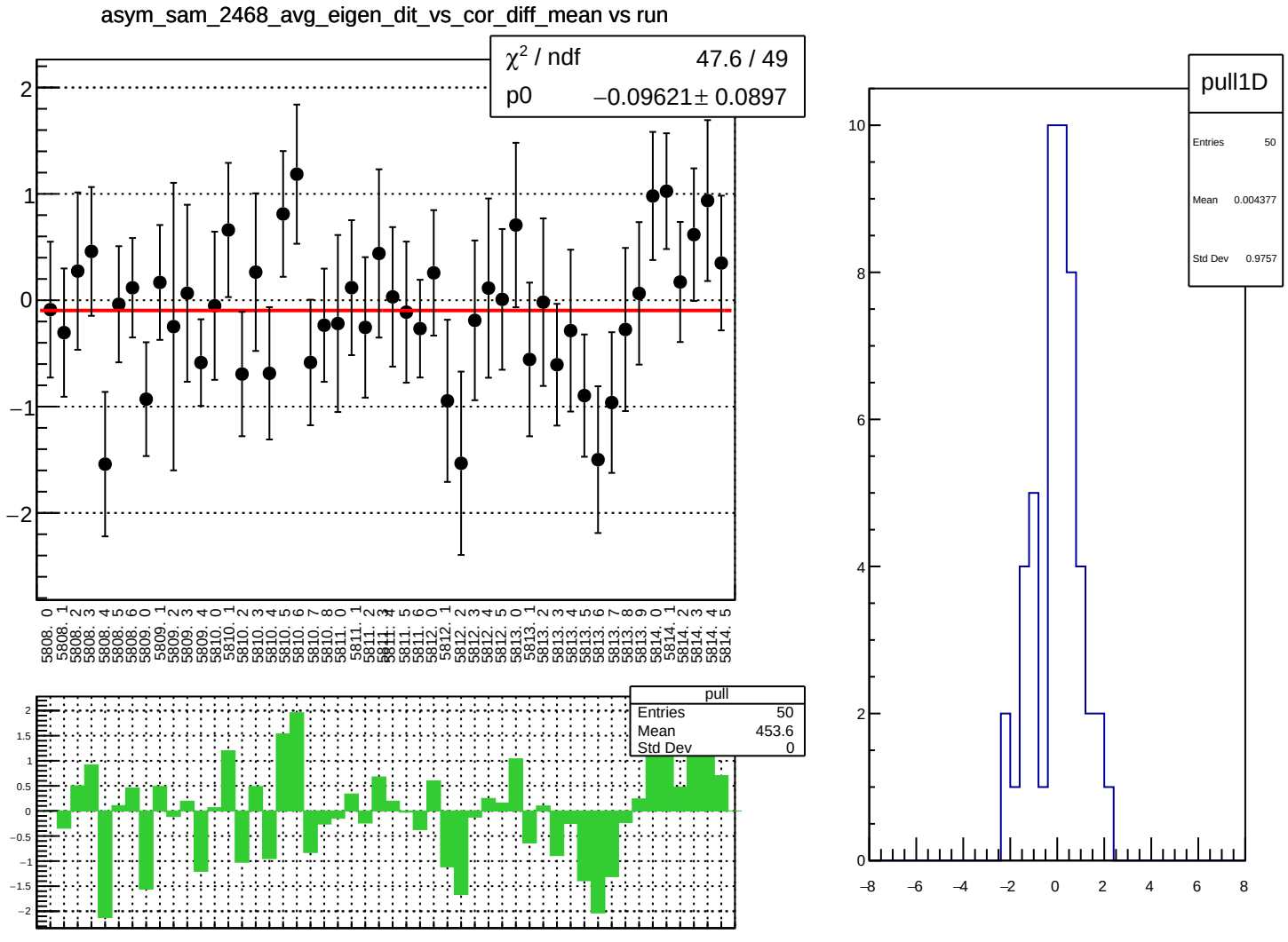
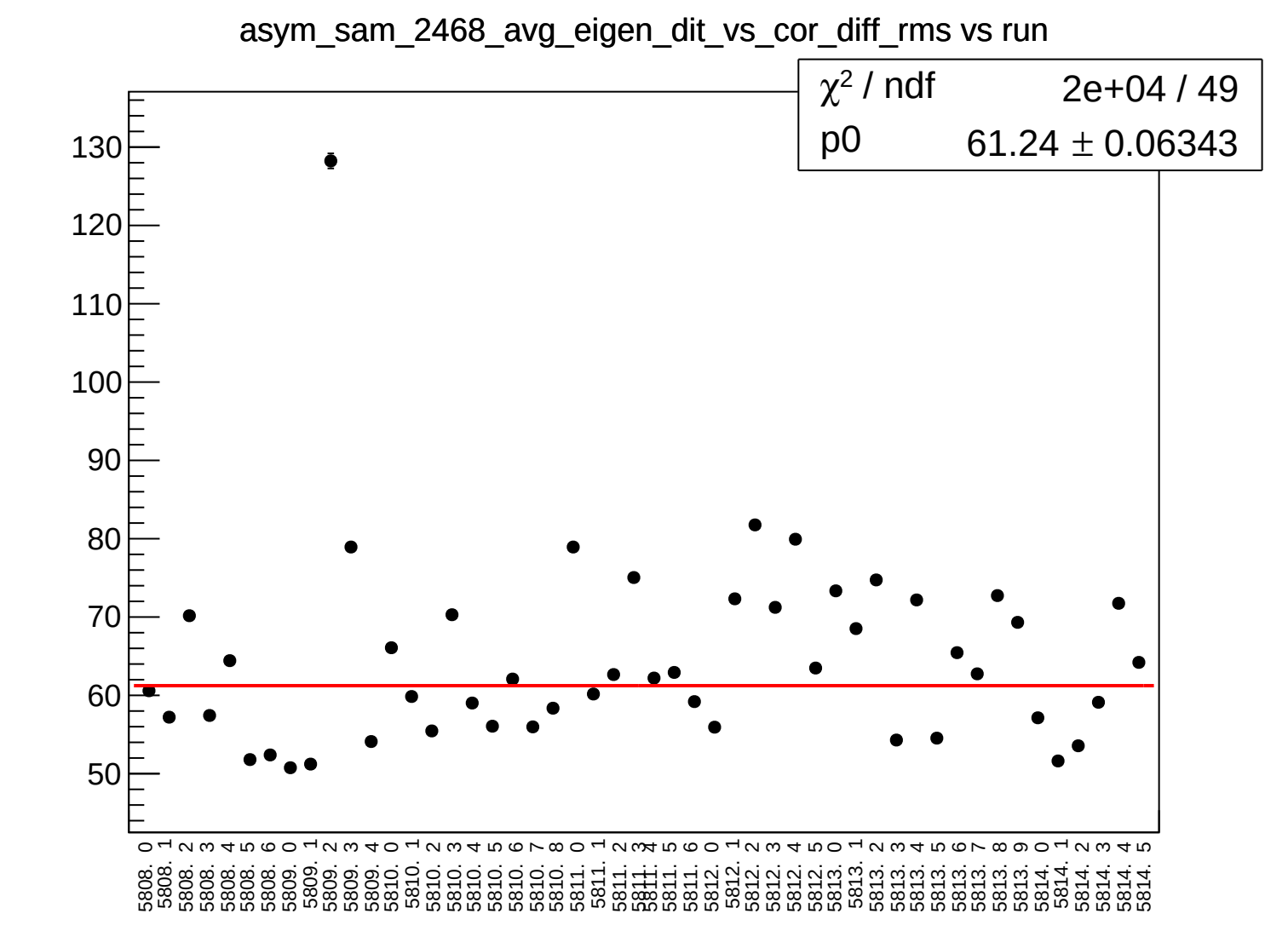
5814. 4
5814. 5


asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.31 / 49
p0 2.741e−05 ± 1.292e−05
pull
Entries 50
Mean −730.1
Std Dev 0

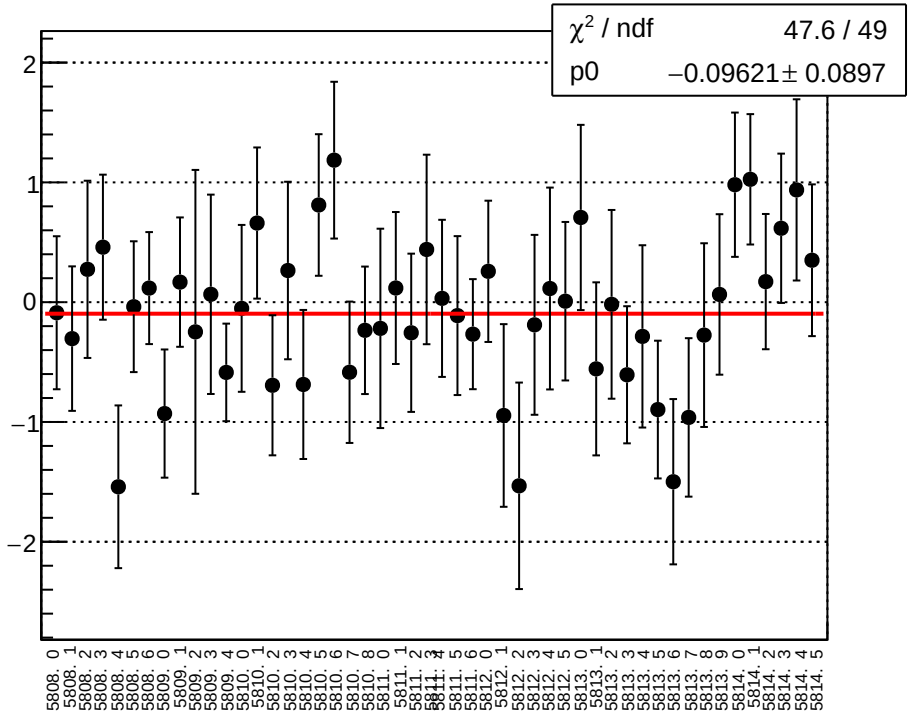

pull1D
Entries 50
Mean −0.006615
Std Dev 1.023

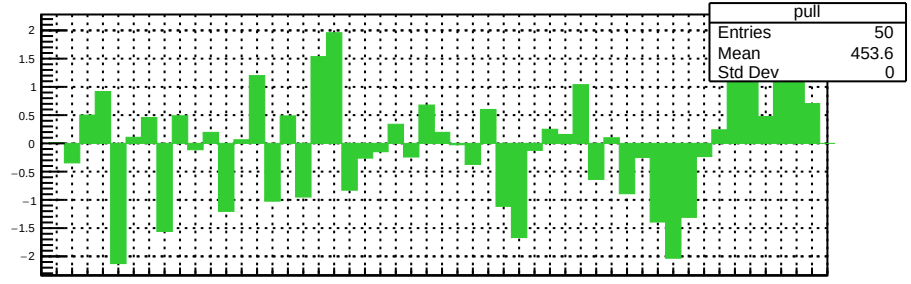

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3127 / 49
p0 0.0089 ± 9.136e−06
0.01
0.0095
0.009
0.0085
0.008
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

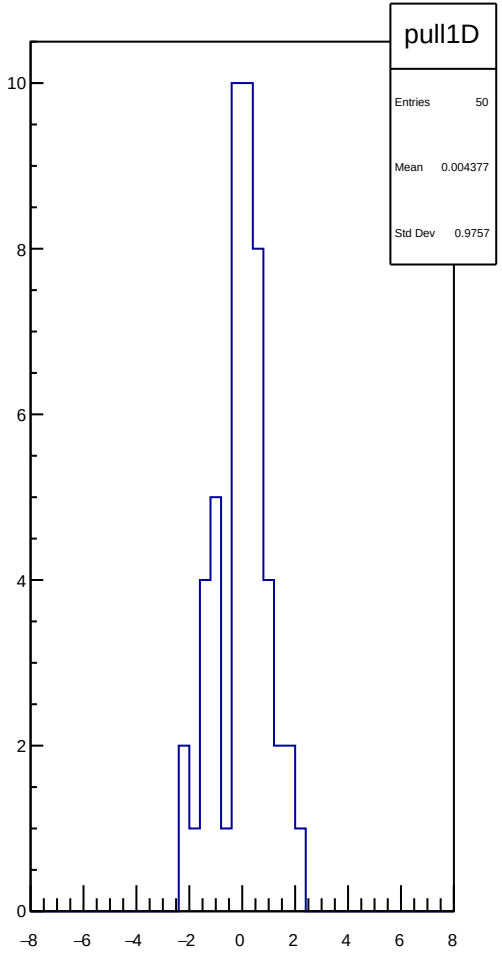

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.6 / 49
p0 −0.09621± 0.0897
pull
Entries 50
Mean 453.6
Std Dev 0
pull1D
Entries 50
Mean 0.004377
Std Dev 0.9757

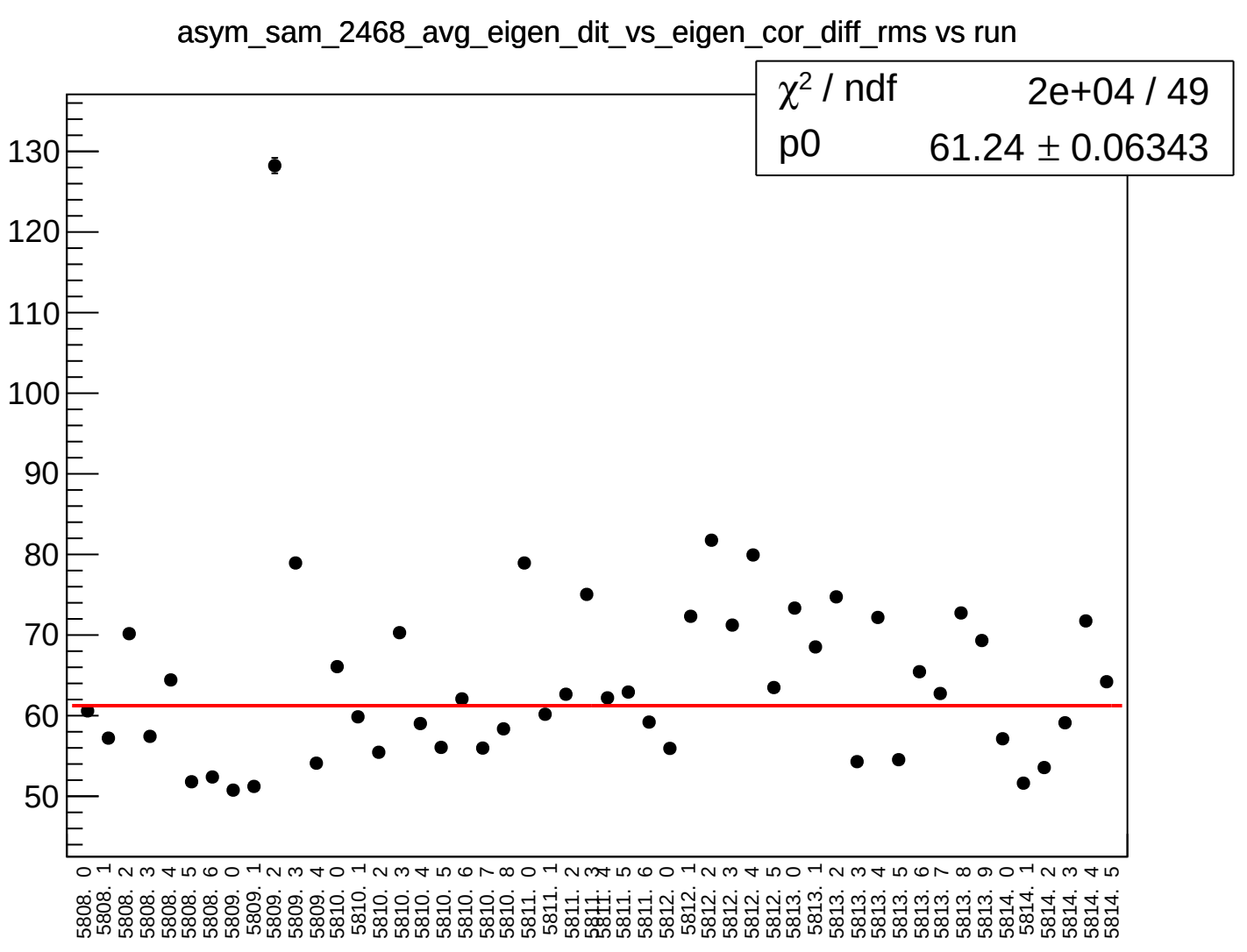

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2e+04 / 49
p0 61.24 ± 0.06343
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

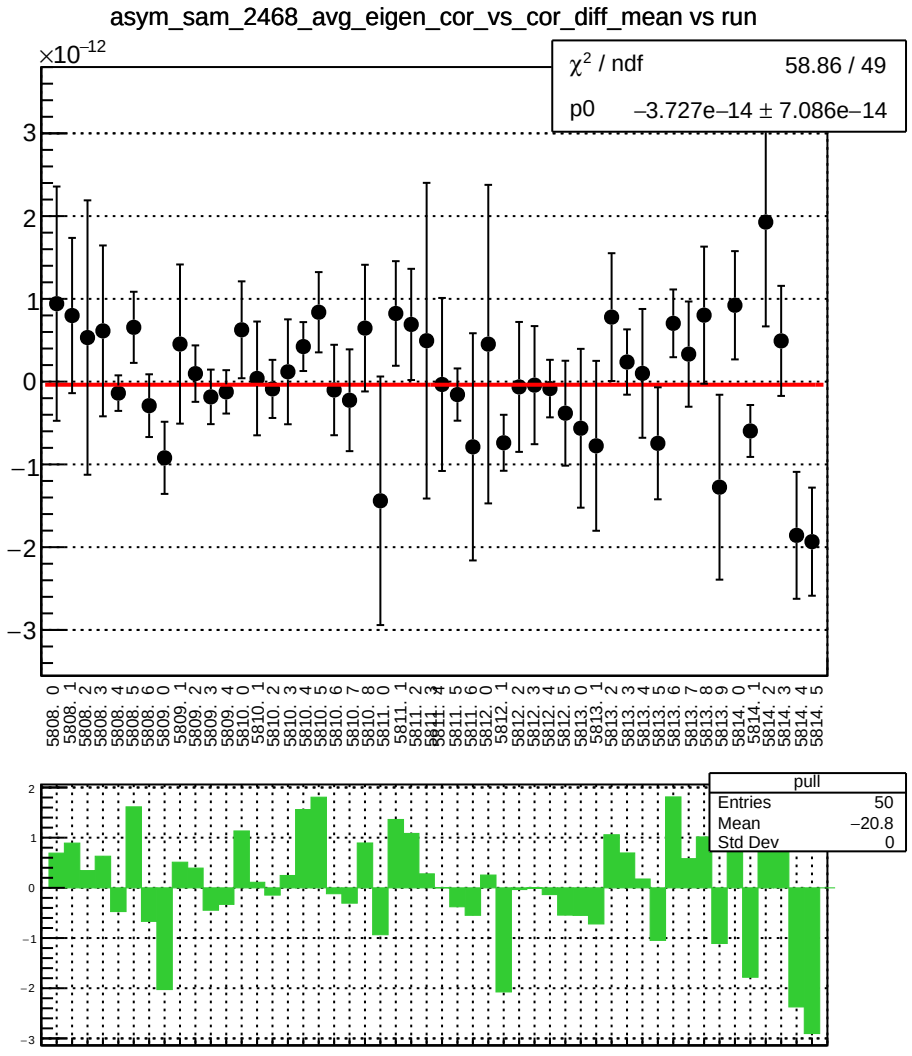
asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run

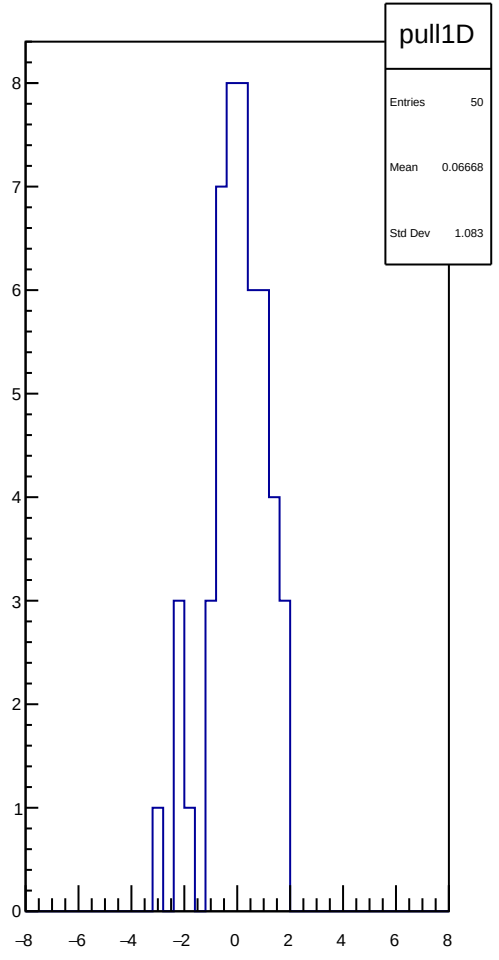


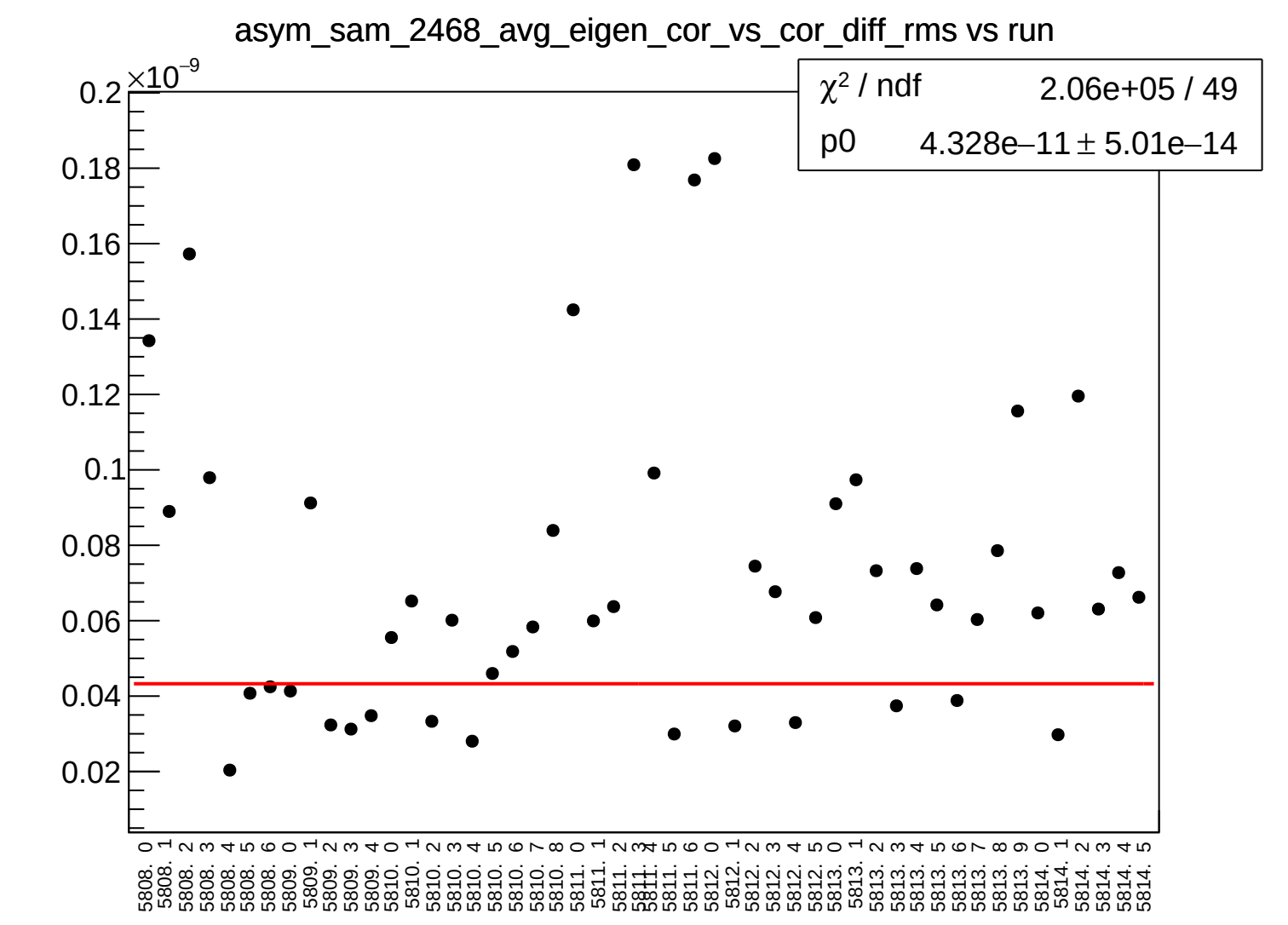


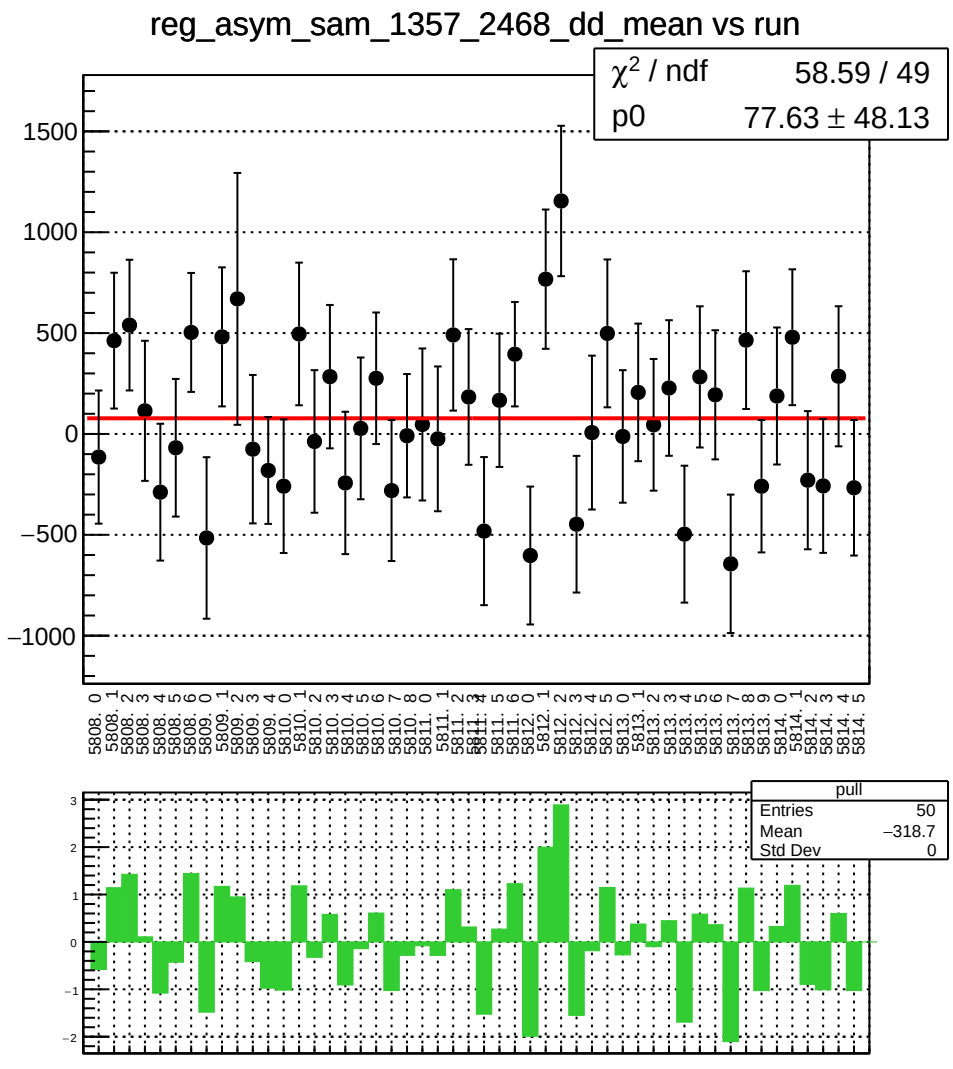


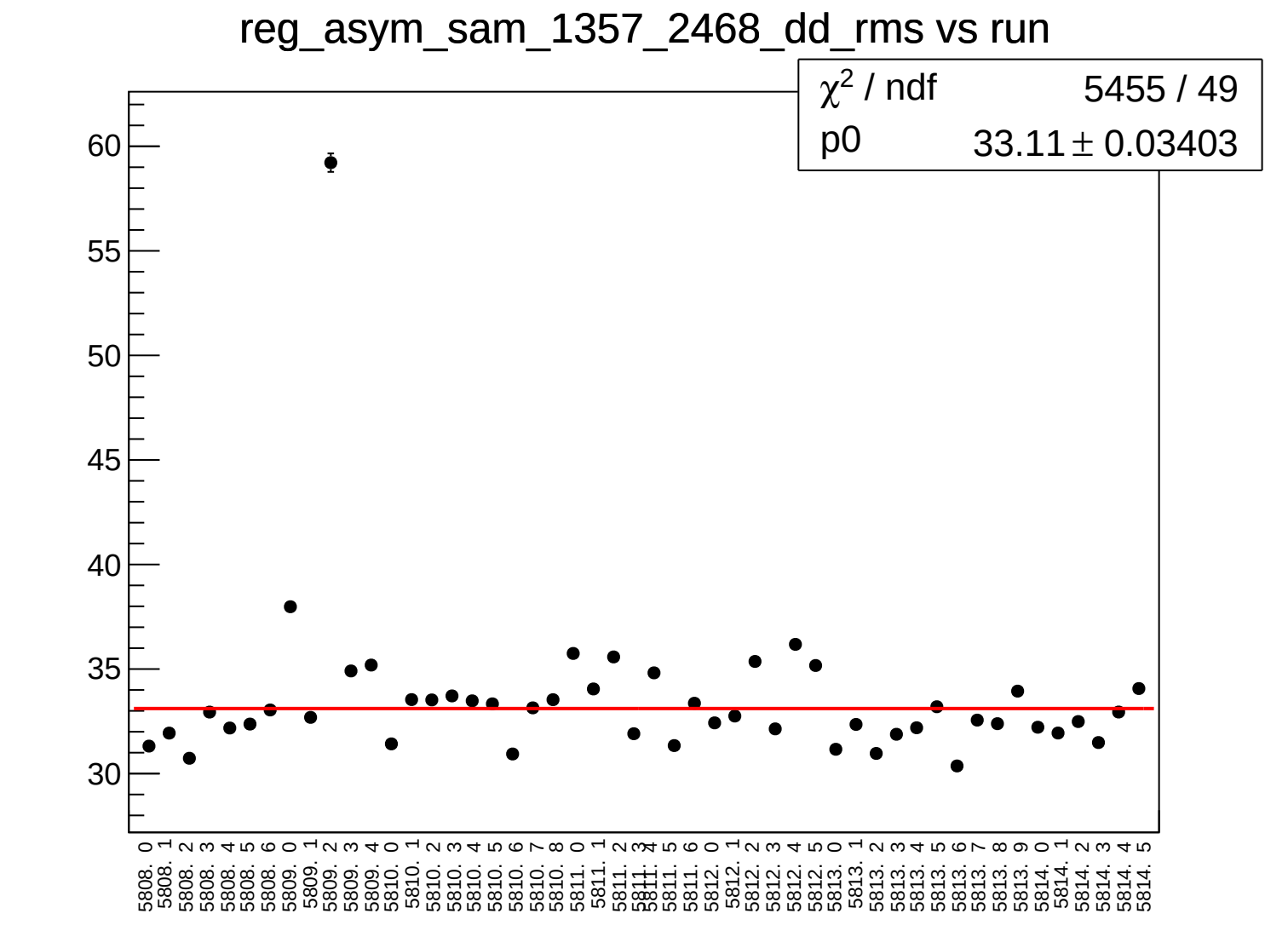

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2e+04 / 49
p0 61.24 ± 0.06343
130
120
110
100
90
80
70
60
50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

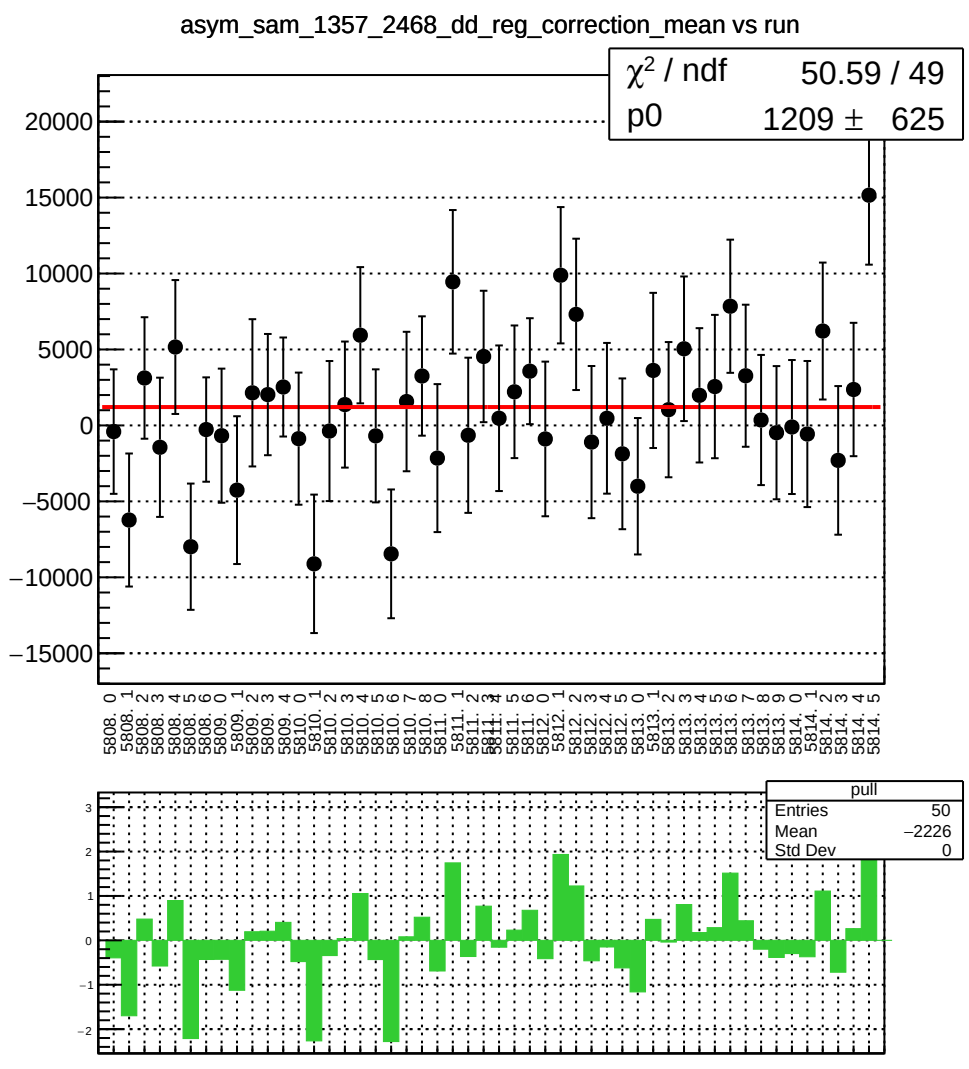

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 58.86 / 49
p0 −3.727e−14 ± 7.086e−14
pull
Entries 50
Mean −20.8
Std Dev 0

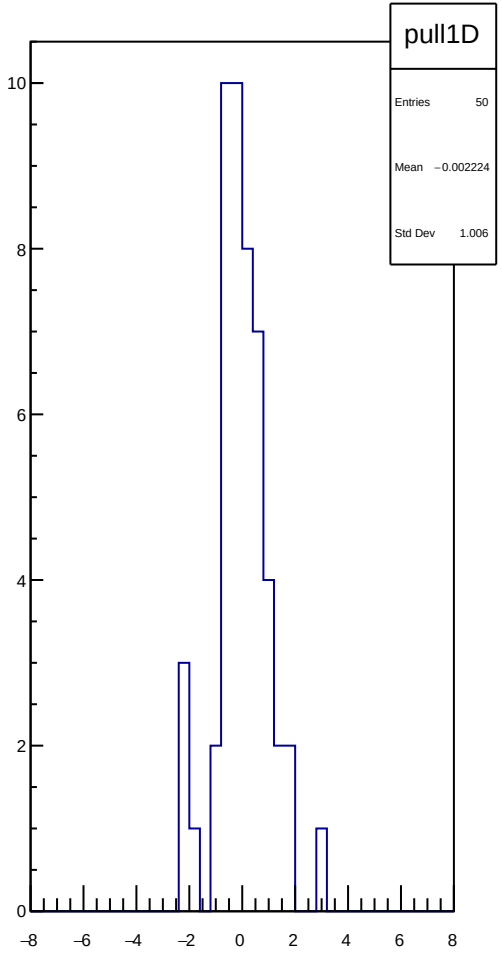

pull1D
Entries 50
Mean 0.06668
Std Dev 1.083

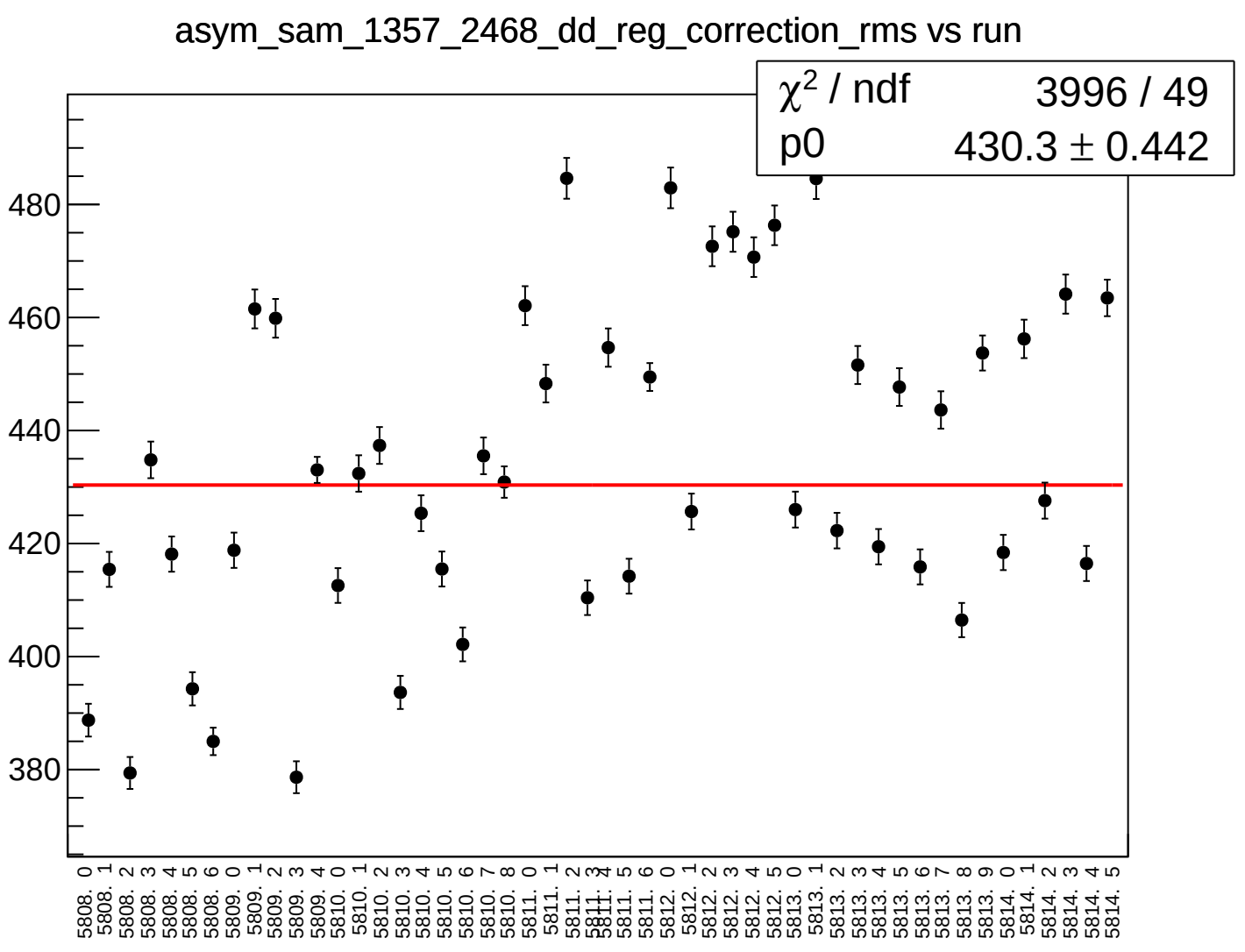

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.06e+05 / 49
p0 4.328e−11 ± 5.01e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

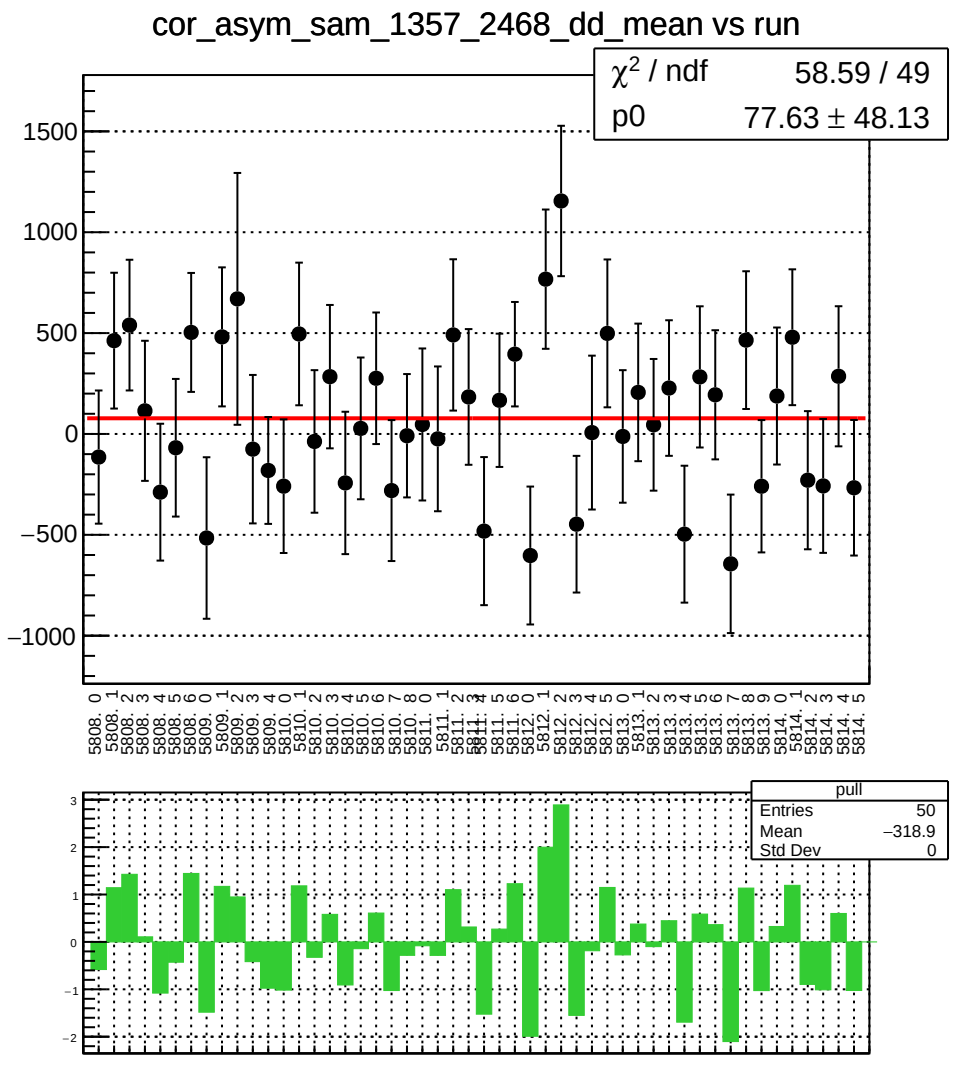

reg_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 58.59 / 49
p0 77.63 ± 48.13
1500
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −318.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003734
Std Dev 1.082
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

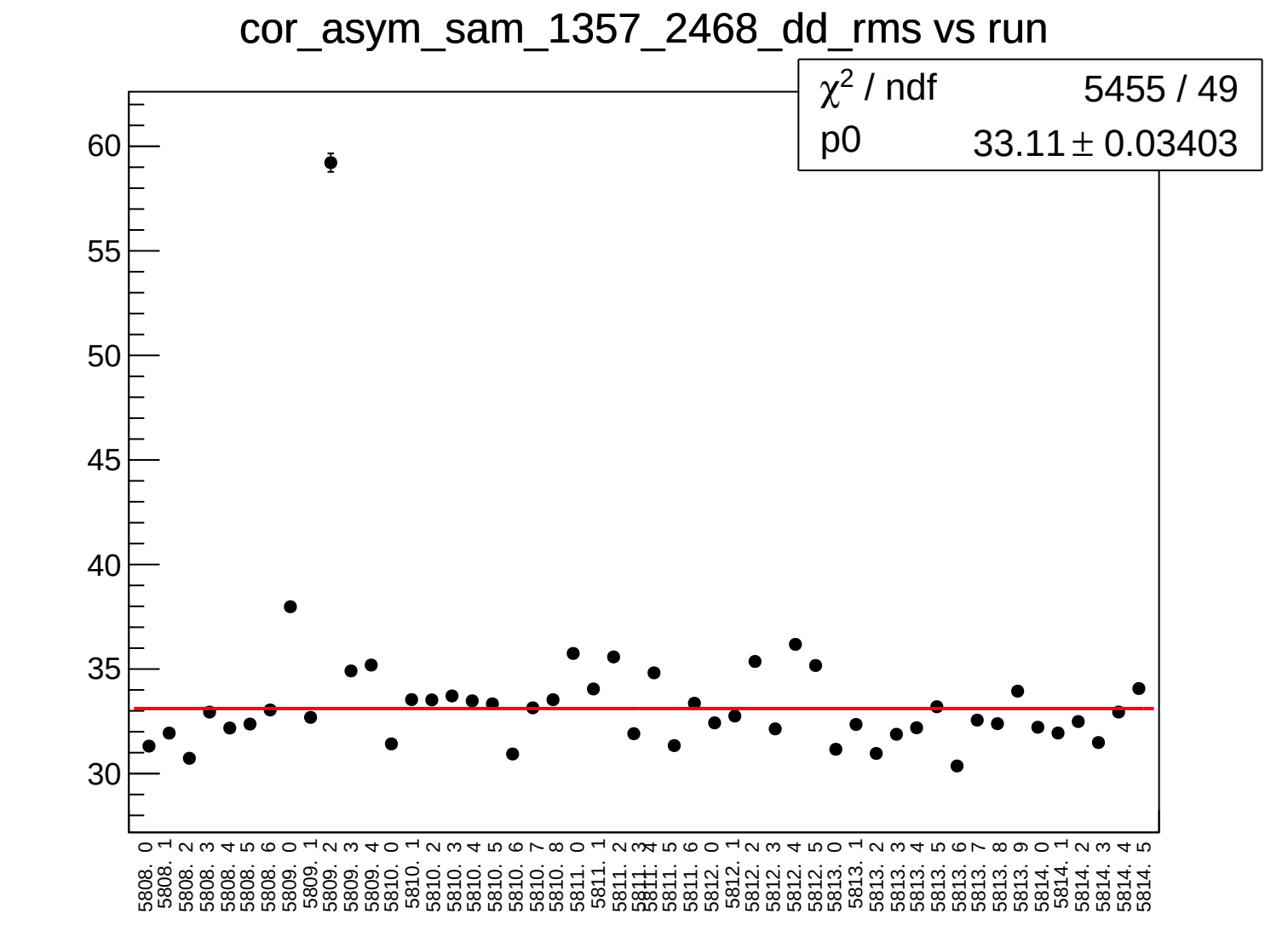

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5455 / 49
p0 33.11 ± 0.03403
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

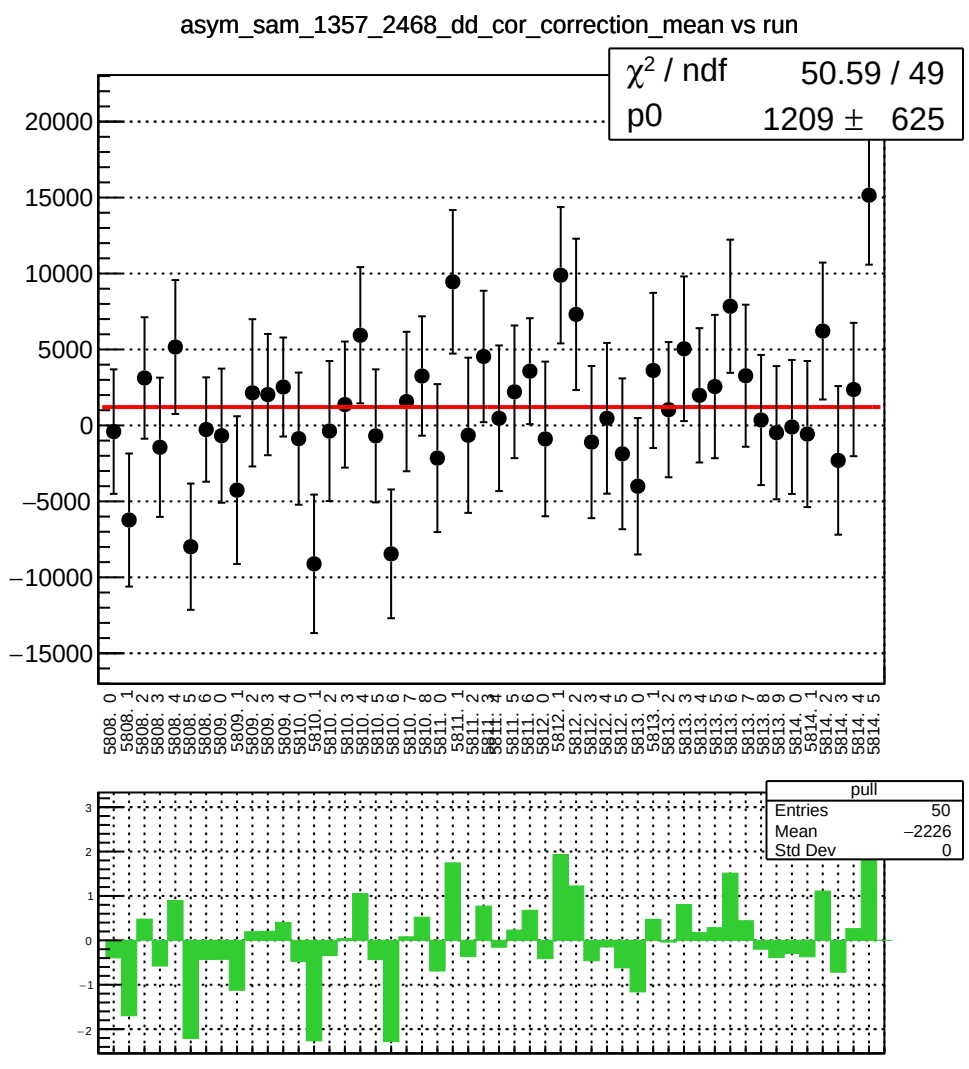

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 50.59 / 49
p0 1209 ± 625
pull
Entries 50
Mean −2226
Std Dev 0

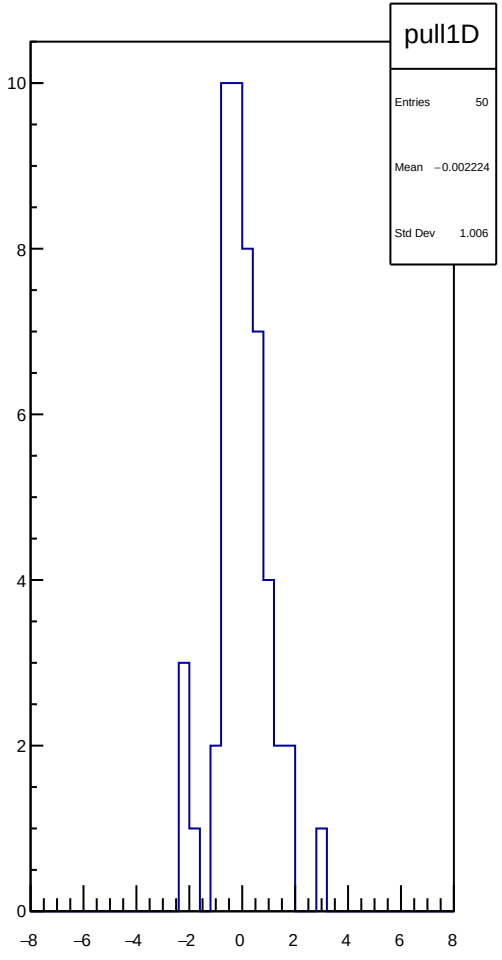

pull1D
Entries 50
Mean −0.002224
Std Dev 1.006

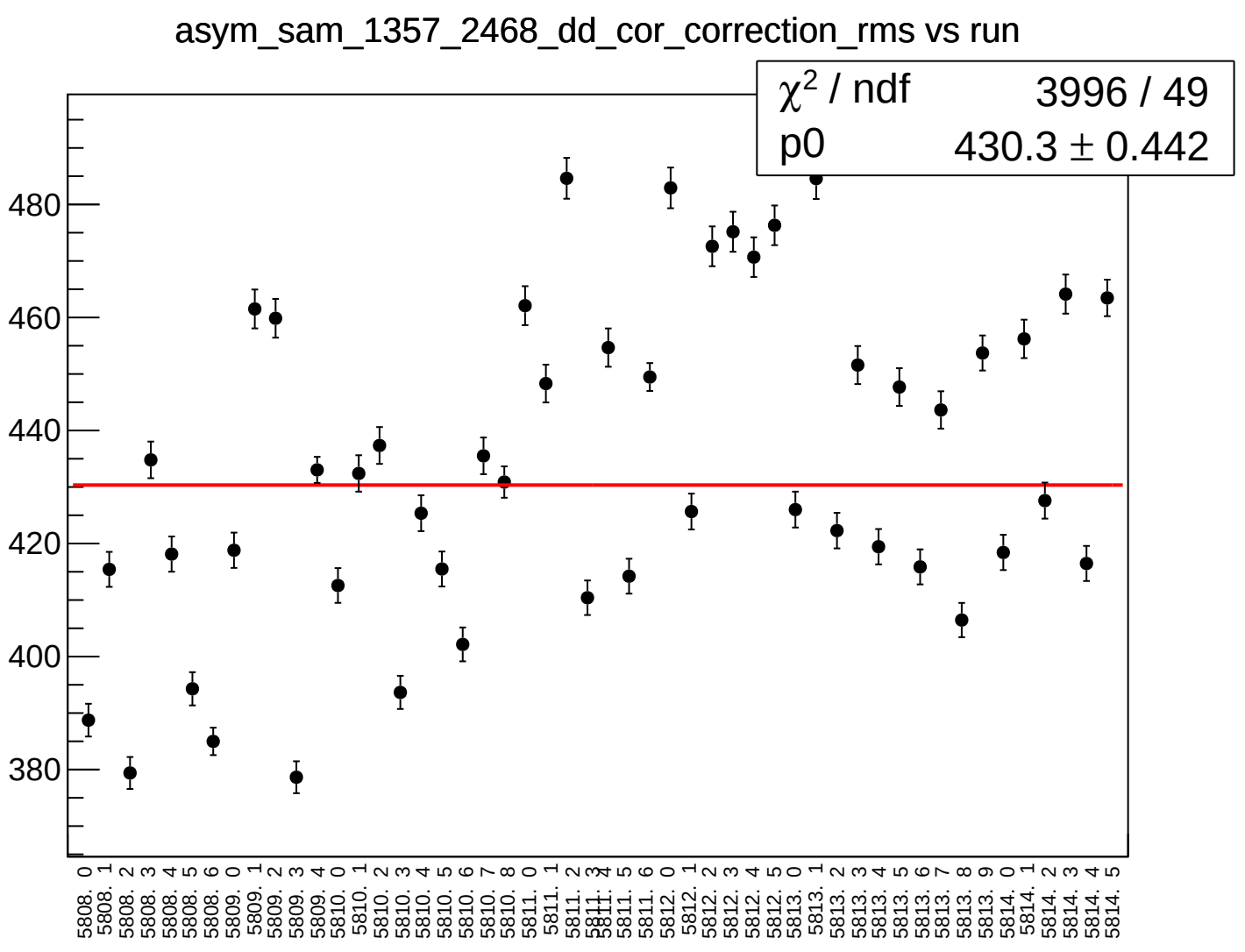

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 3996 / 49
p0 430.3 ± 0.442
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

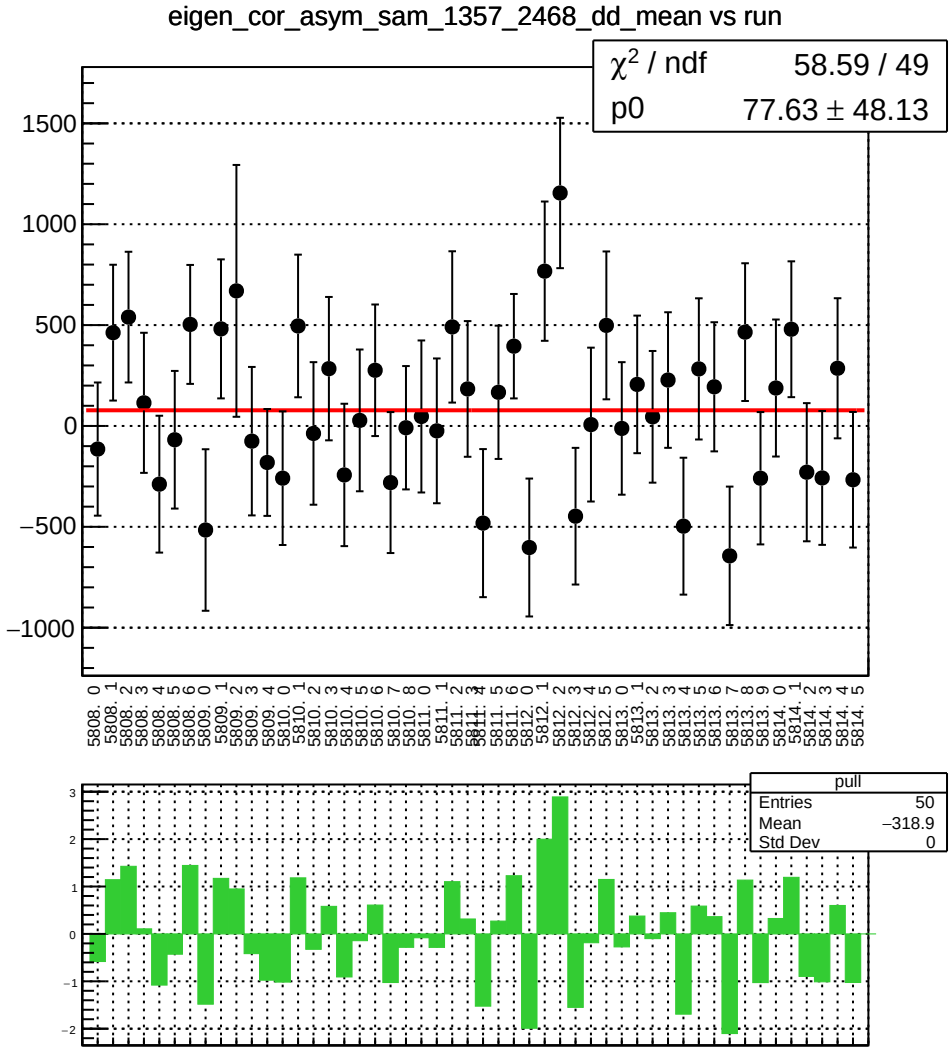

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.59 / 49
p0 77.63 ± 48.13
1500
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −318.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003732
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

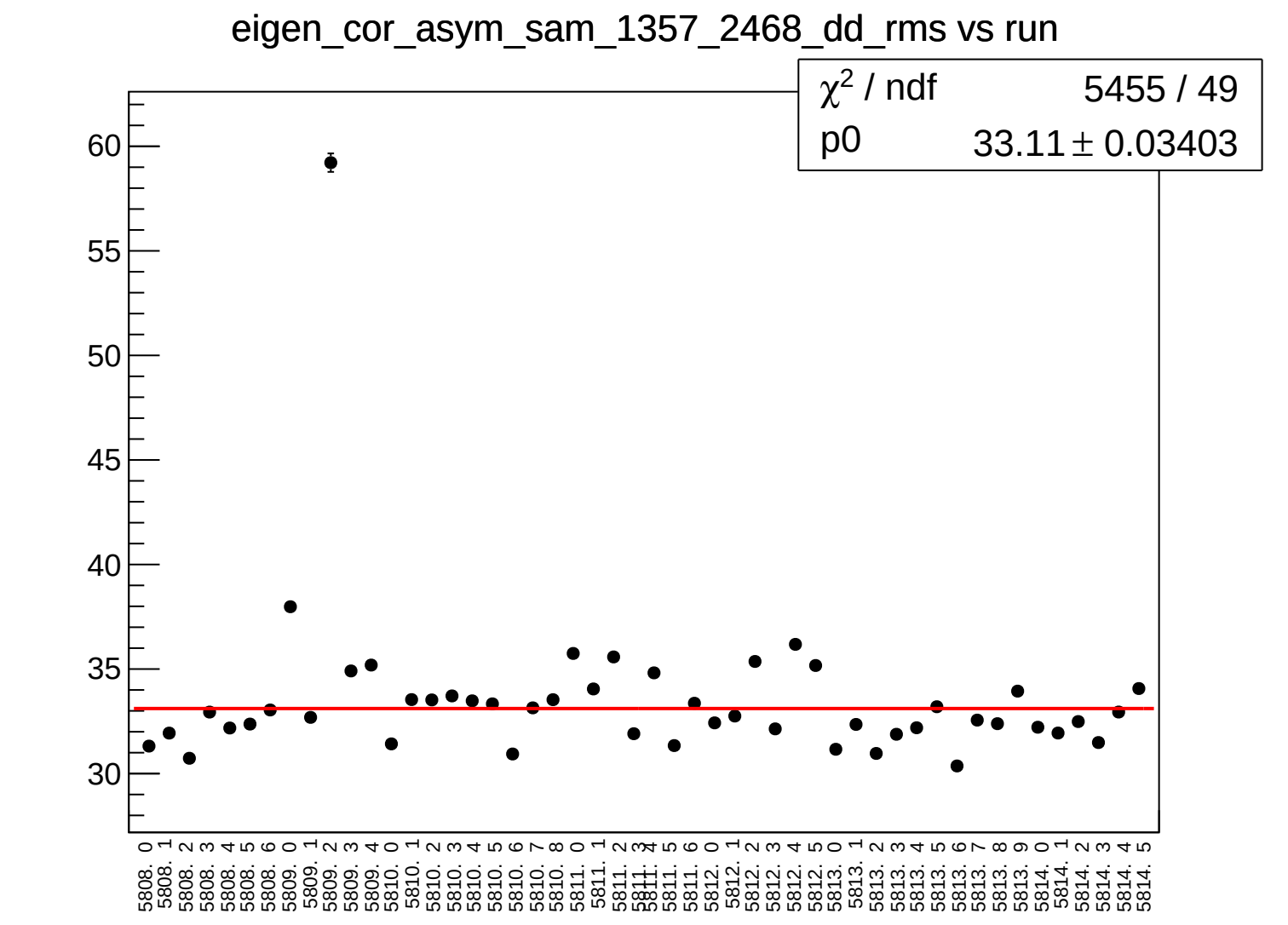

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5455 / 49
p0 33.11 ± 0.03403
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

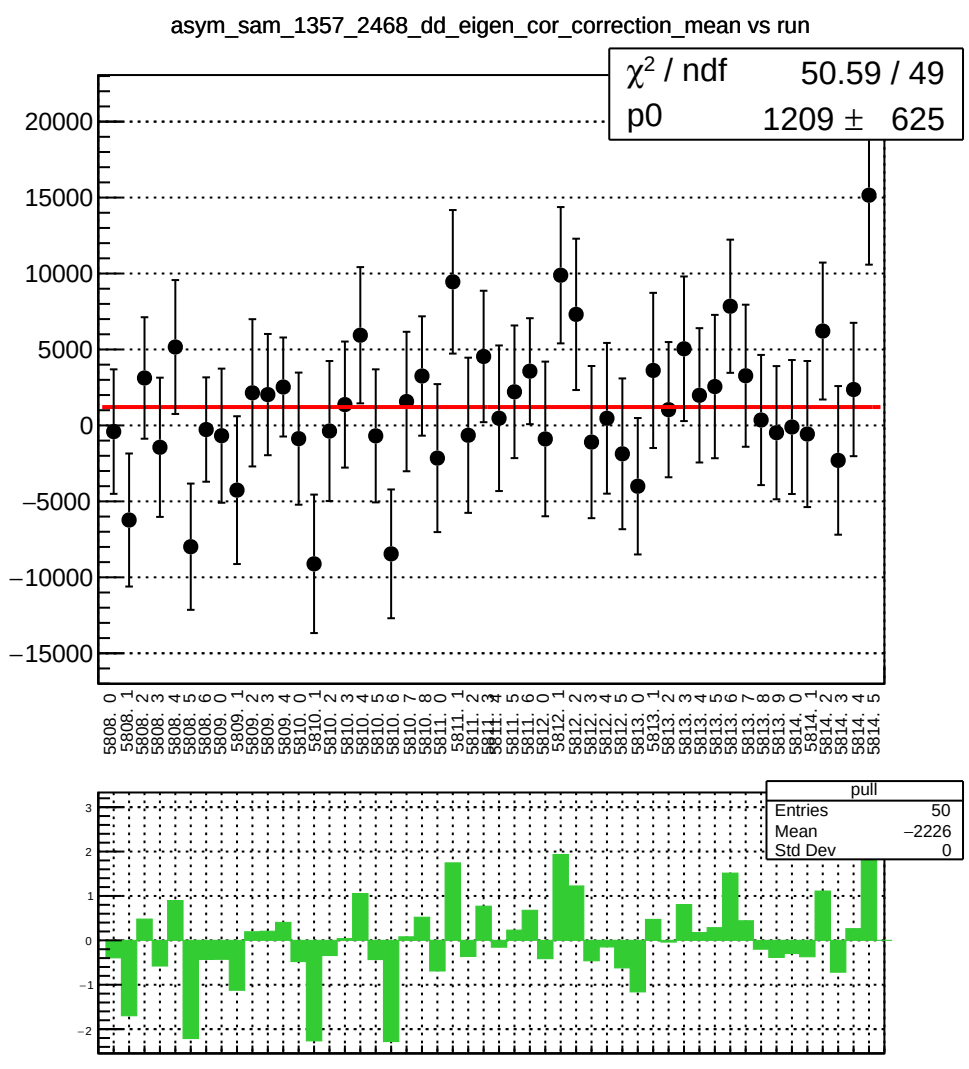

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 50.59 / 49
p0 1209 ± 625
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2226
Std Dev 0
3
2
1
0
−1
−2

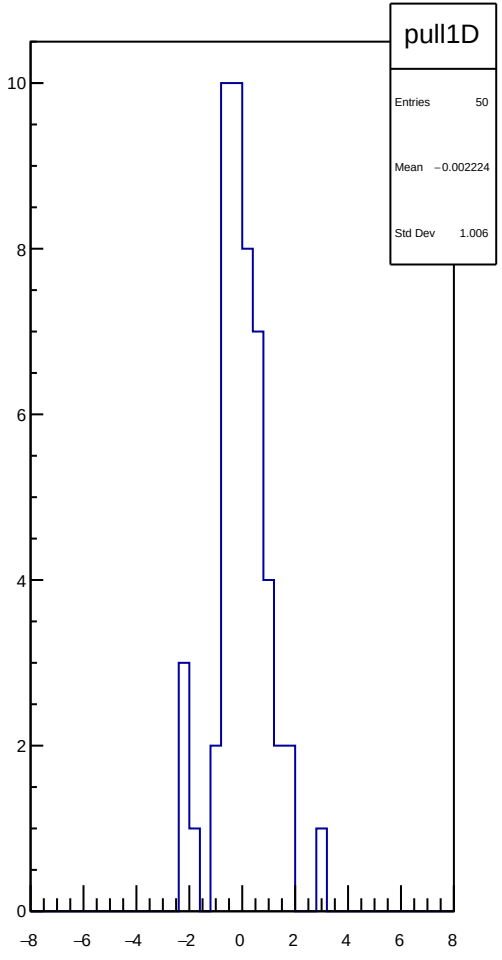

pull1D
Entries 50
Mean −0.002224
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 3996 / 49
p0 430.3 ± 0.442
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 58.59 / 49
p0 77.63 ± 48.13
1500
1000
500
0
−500
−1000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −318.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003732
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 5455 / 49
p0 33.11 ± 0.03403
60
55
50
45
40
35
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 50.59 / 49
p0 1209 ± 625
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −2226
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.002224
Std Dev 1.006
10
8
6
4
2
0
−8
−6
−4
−2
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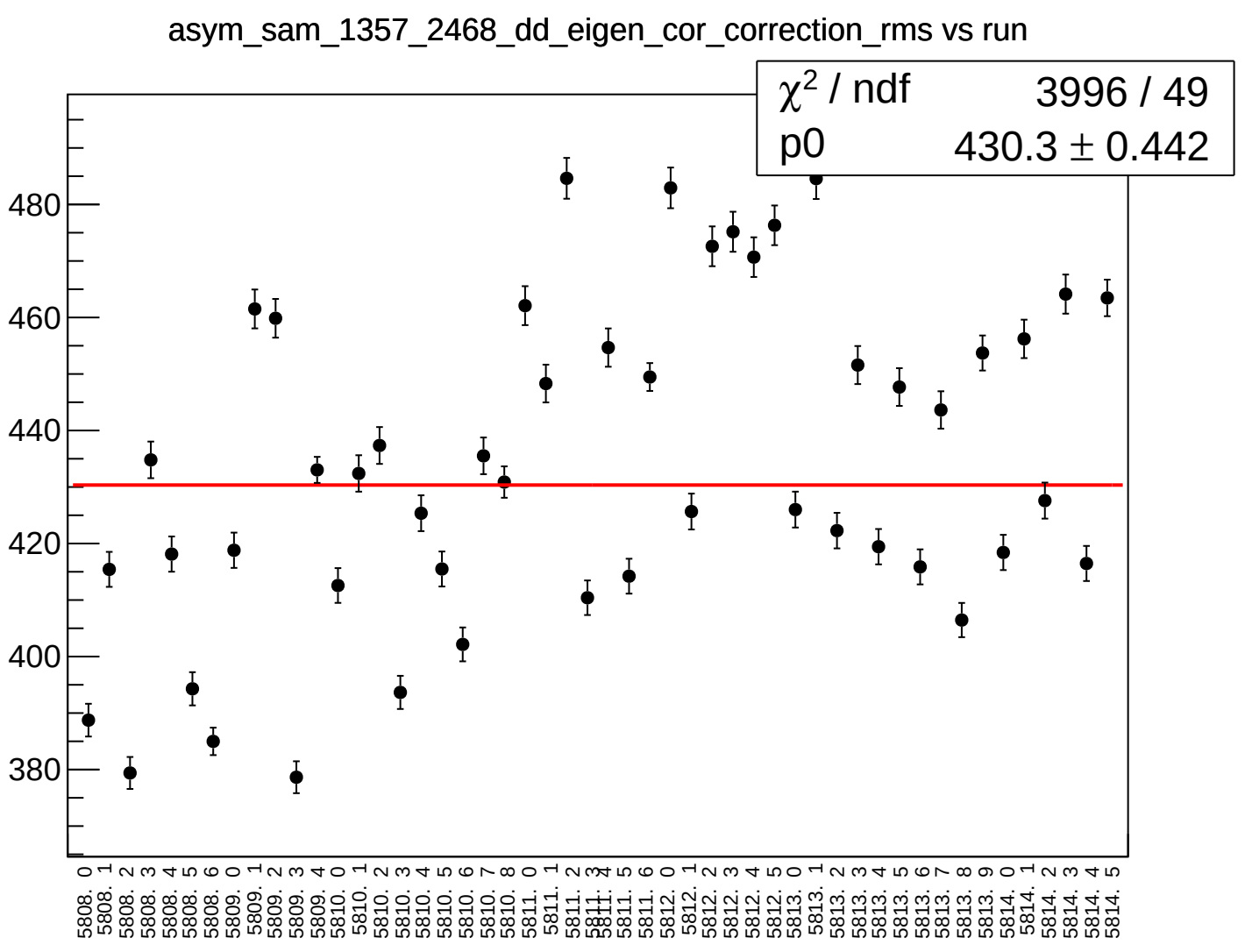
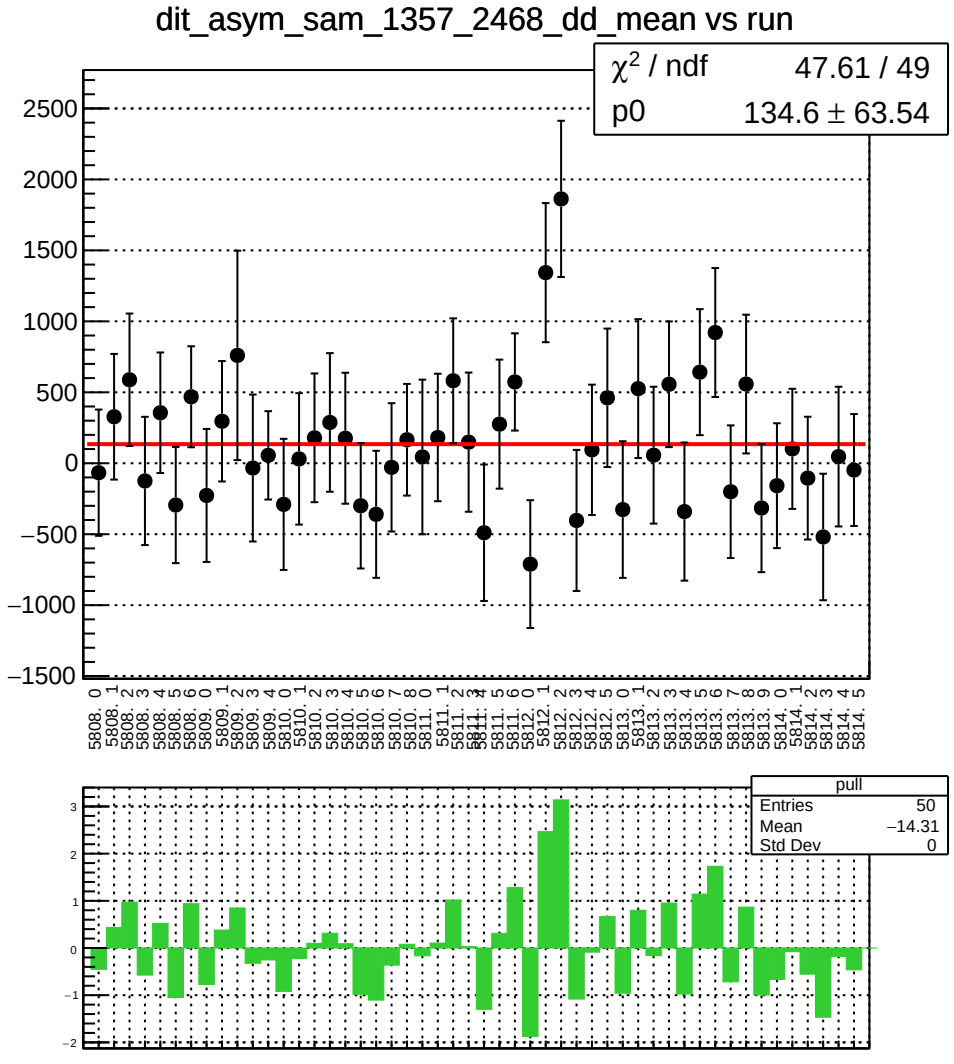
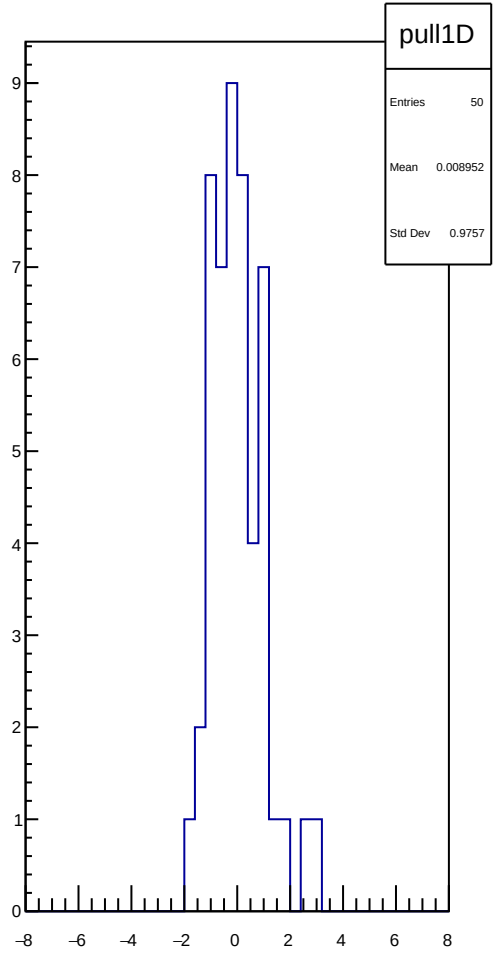
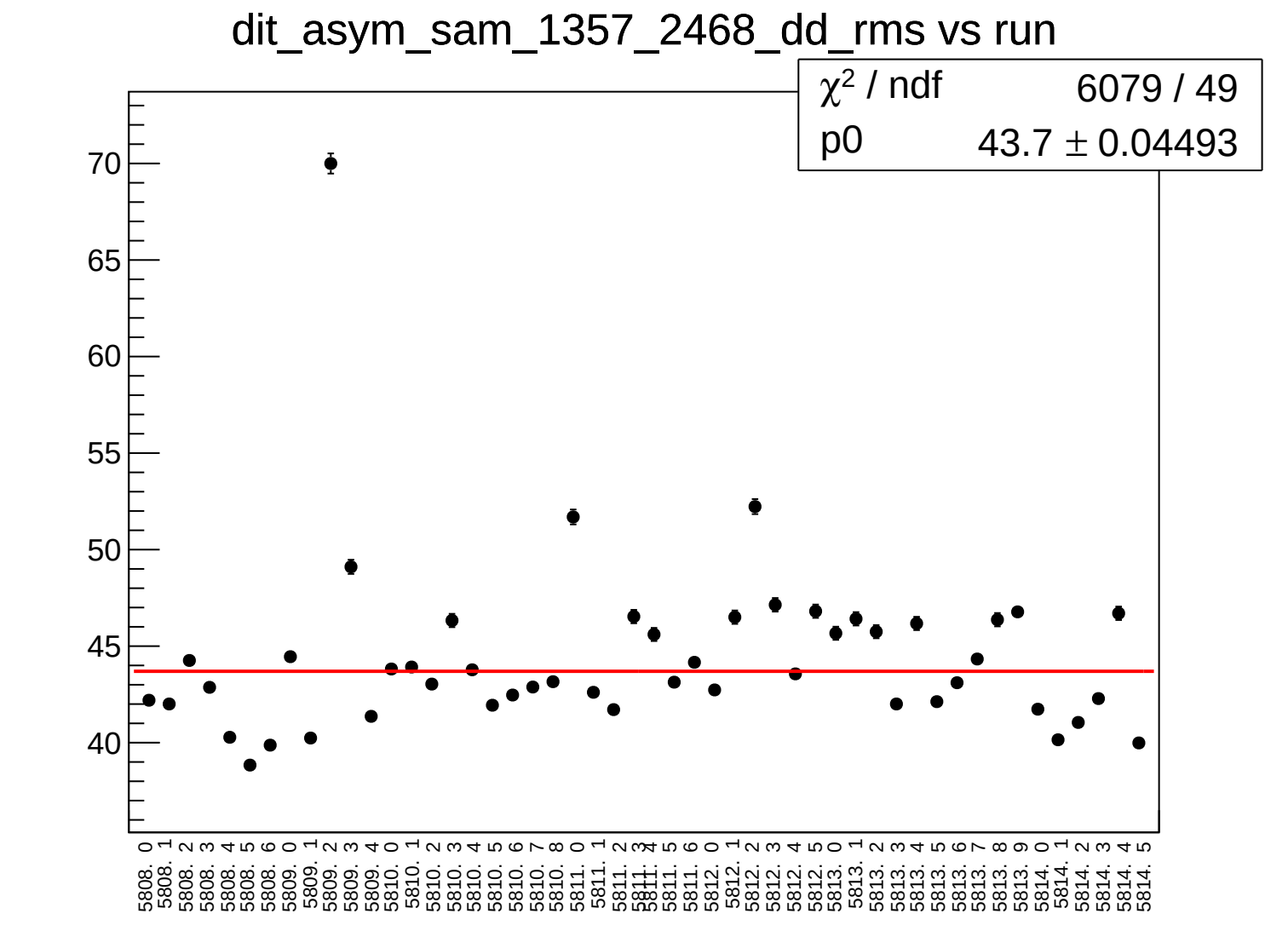
2
4
6
8


asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 3996 / 49
p0 430.3 ± 0.442
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


dit_asym_sam_1357_2468_dd_mean vs run
χ^2 / ndf 47.61 / 49
p0 134.6 ± 63.54
pull
Entries 50
Mean −14.31
Std Dev 0


pull1D
Entries 50
Mean 0.008952
Std Dev 0.9757


dit_asym_sam_1357_2468_dd_rms vs run
χ^2 / ndf 6079 / 49
p0 43.7 ± 0.04493
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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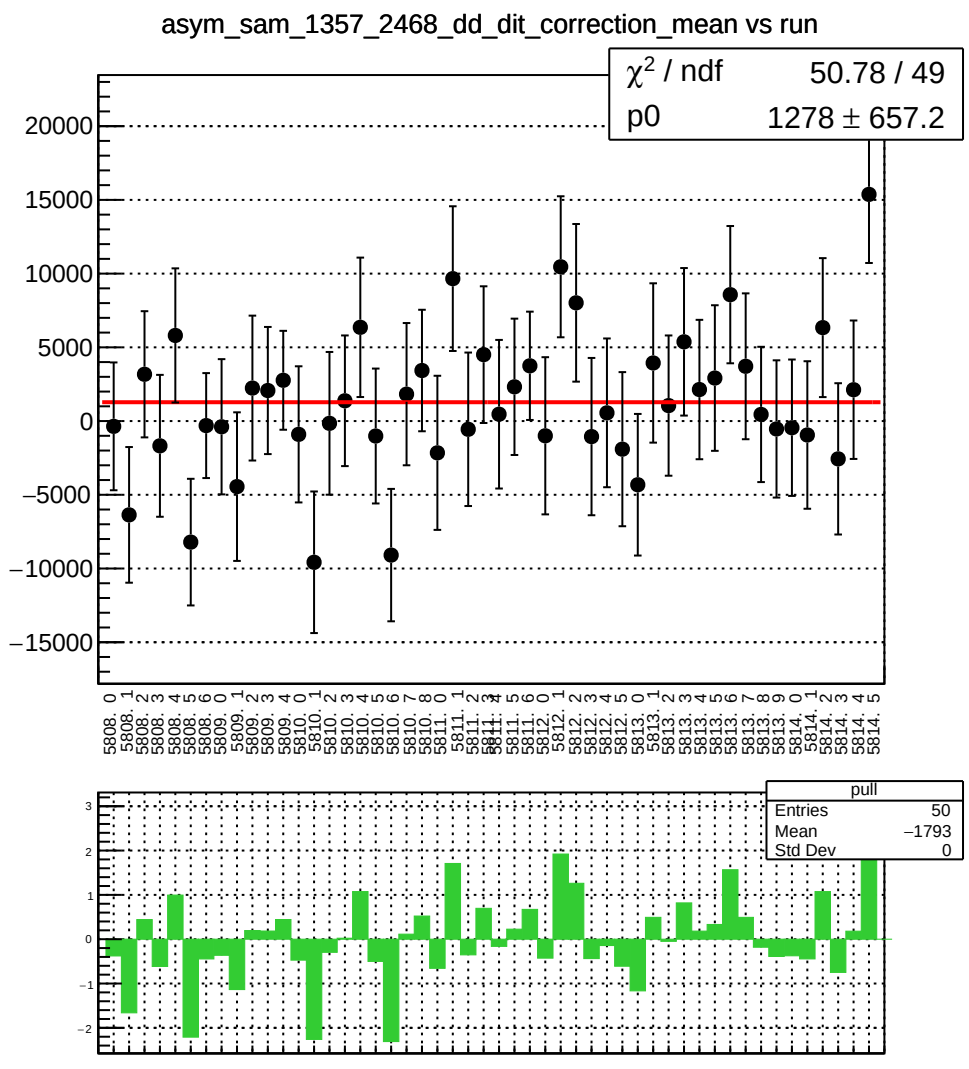
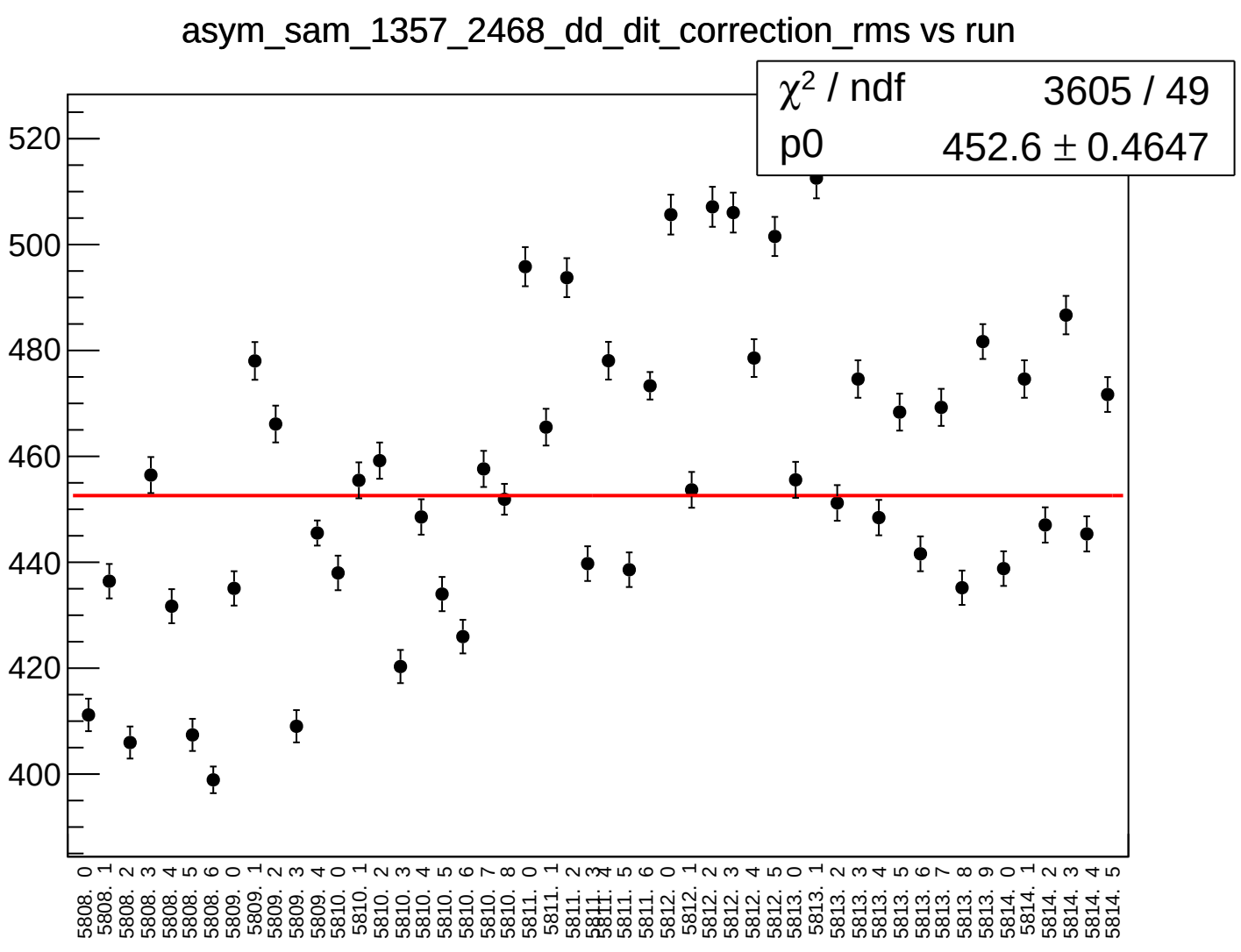
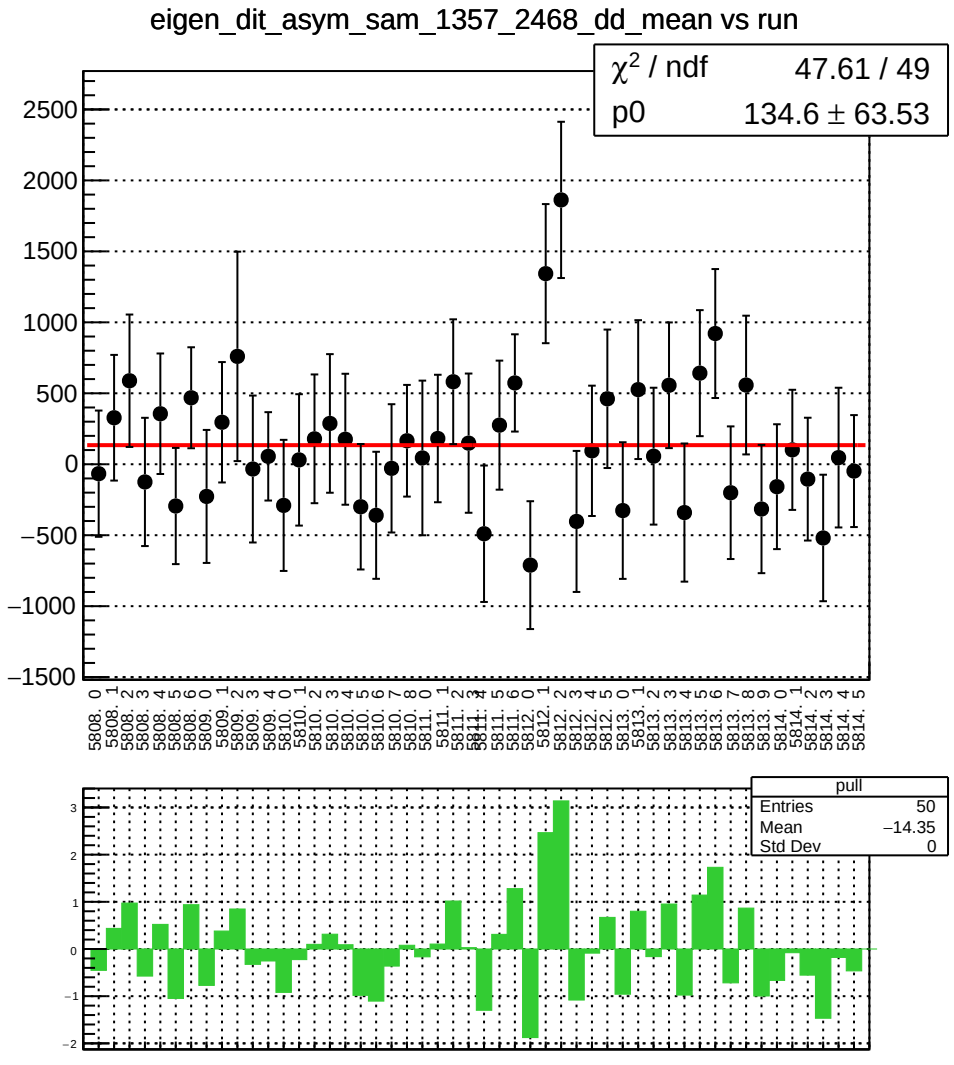
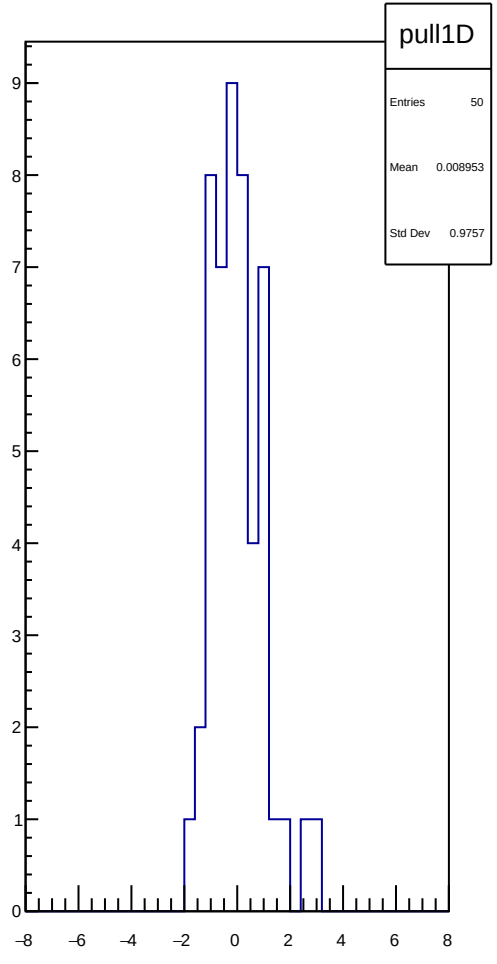
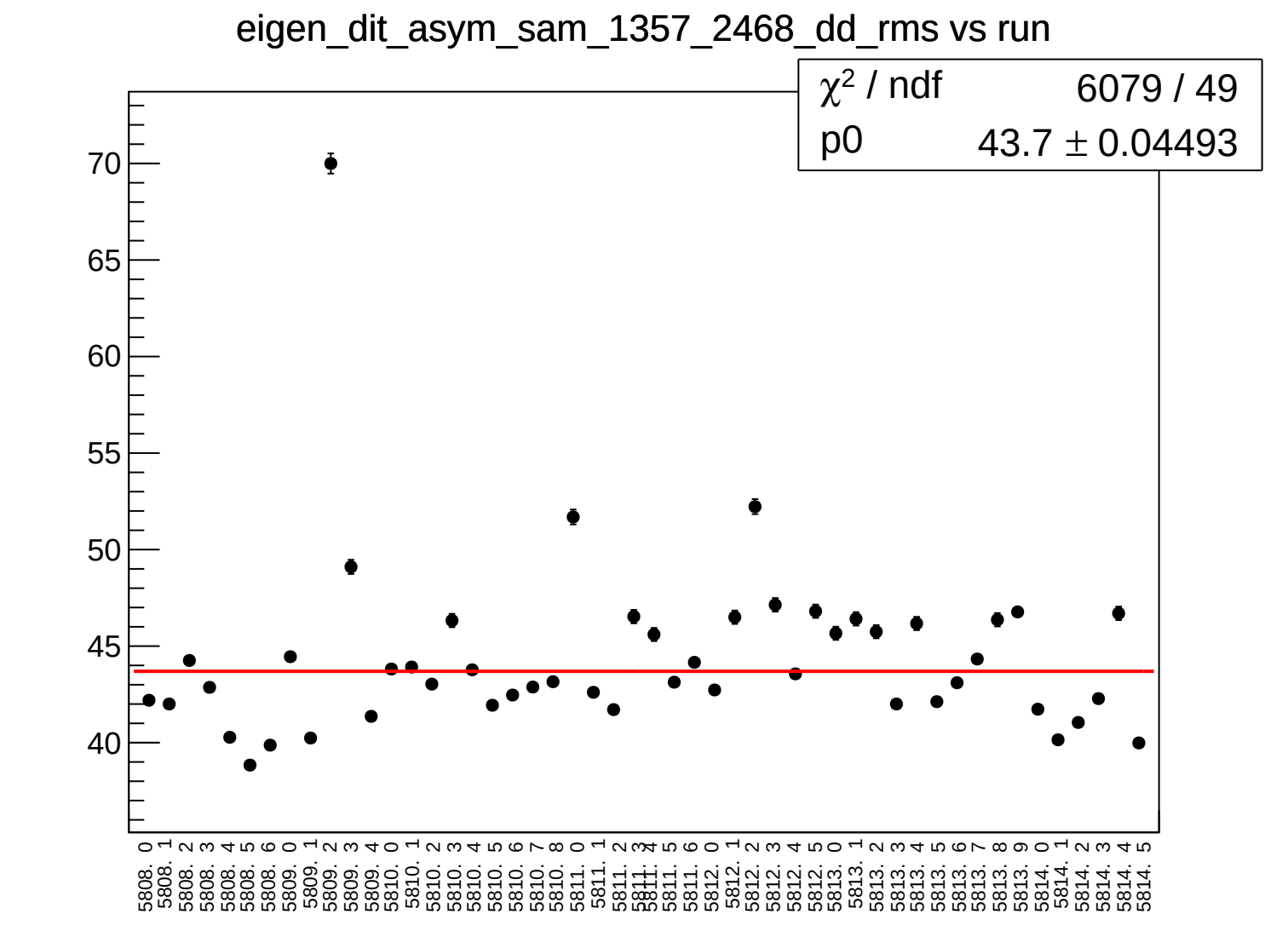
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

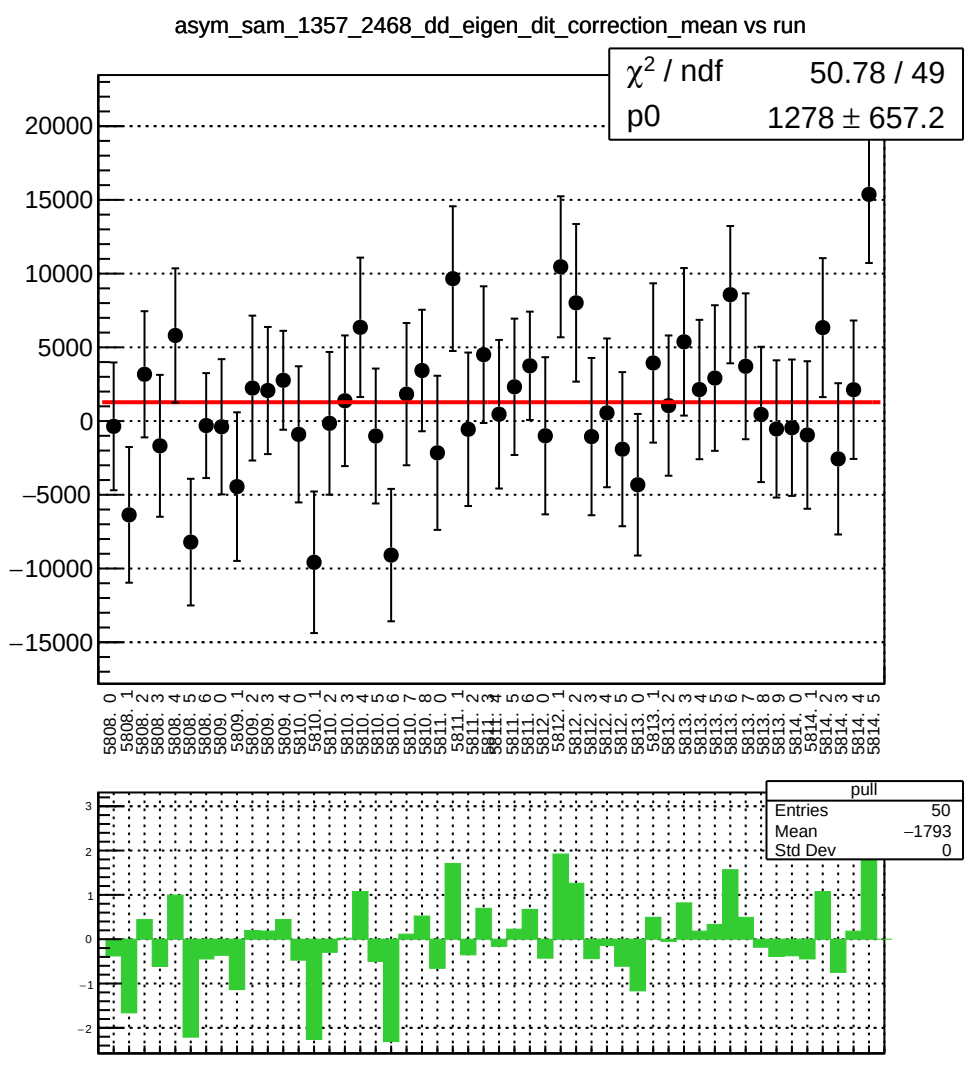

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 50.78 / 49
p0 1278 ± 657.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −1793
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.002683
Std Dev 1.008
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

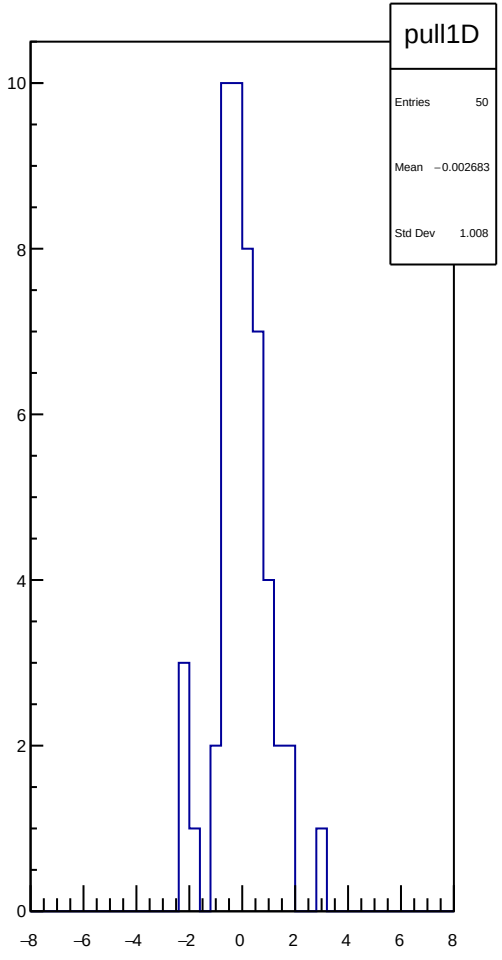

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 3605 / 49
p0 452.6 ± 0.4647
520
500
480
460
440
420
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

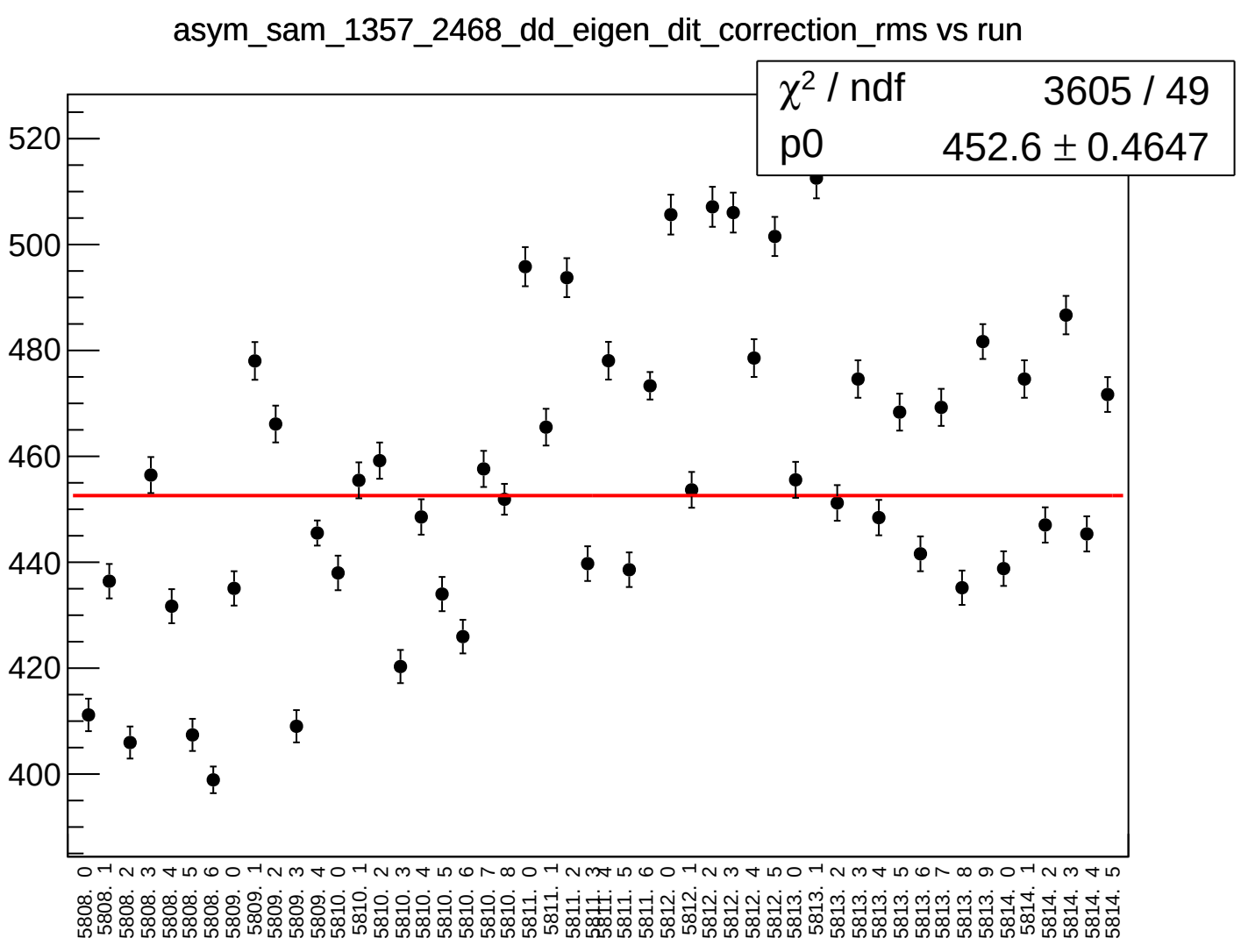

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 47.61 / 49
p0 134.6 ± 63.53
pull
Entries 50
Mean −14.35
Std Dev 0


pull1D
Entries 50
Mean 0.008953
Std Dev 0.9757


eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 6079 / 49
p0 43.7 ± 0.04493
70
65
60
55
50
45
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 50.78 / 49
p0 1278 ± 657.2
pull
Entries 50
Mean −1793
Std Dev 0


pull1D
Entries 50
Mean −0.002683
Std Dev 1.008


asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 3605 / 49
p0 452.6 ± 0.4647
520
500
480
460
440
420
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
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5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
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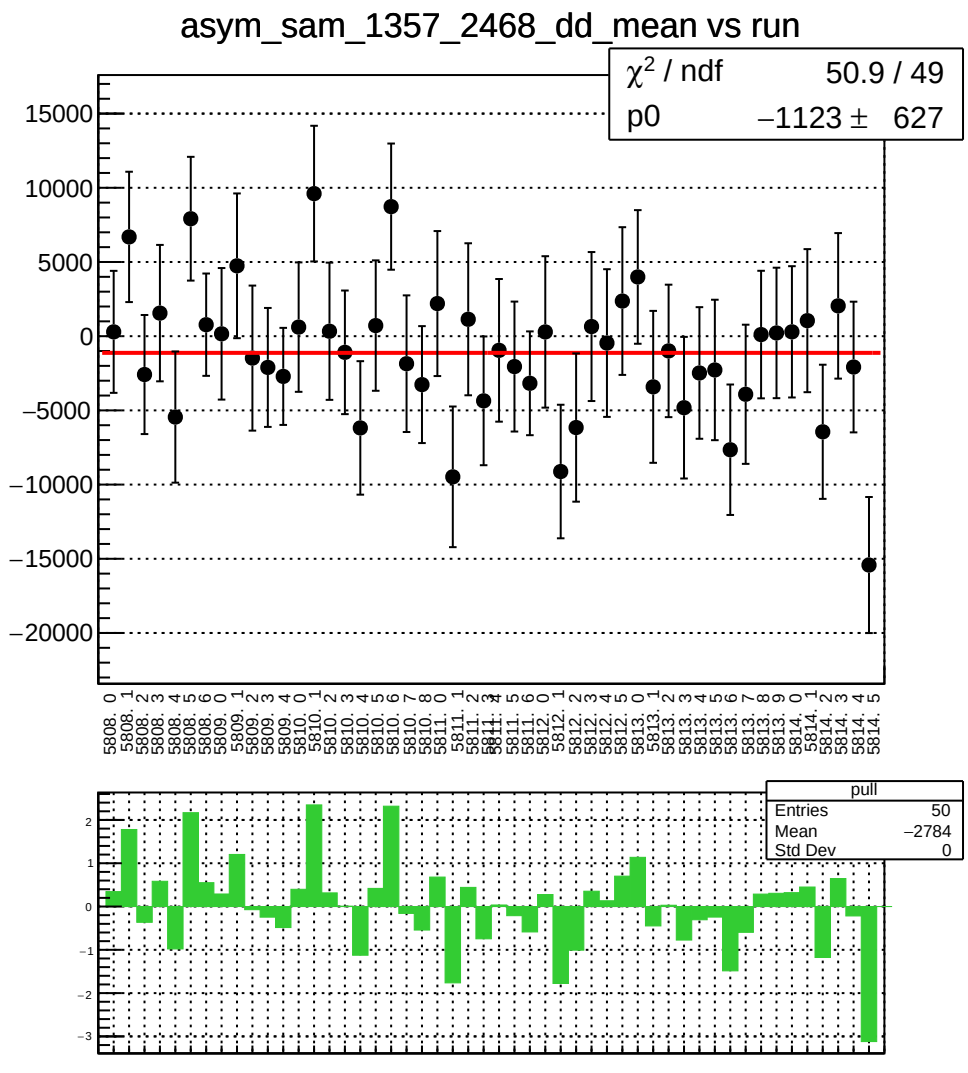
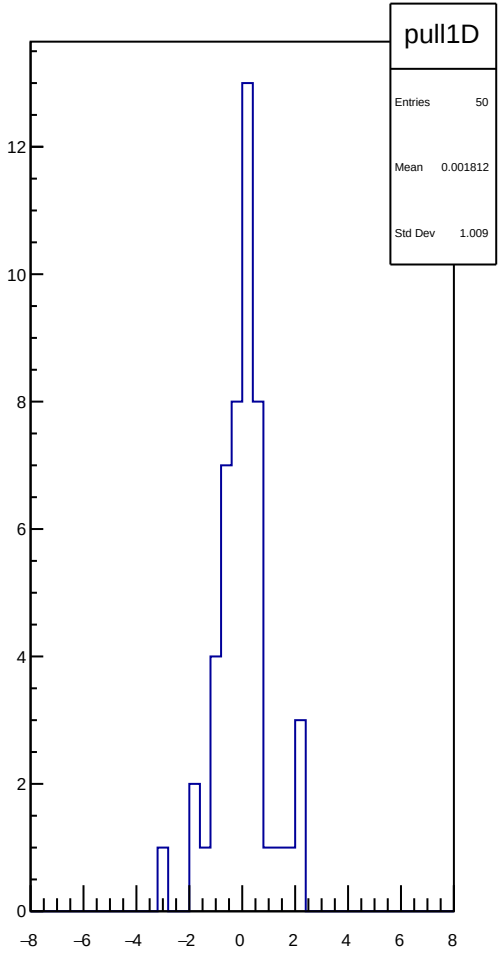
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_1357_2468_dd_mean vs run
χ² / ndf 50.9 / 49
p0 −1123 ± 627
15000
10000
5000
0
−5000
−10000
−15000
−20000
pull
Entries 50
Mean −2784
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.001812
Std Dev 1.009
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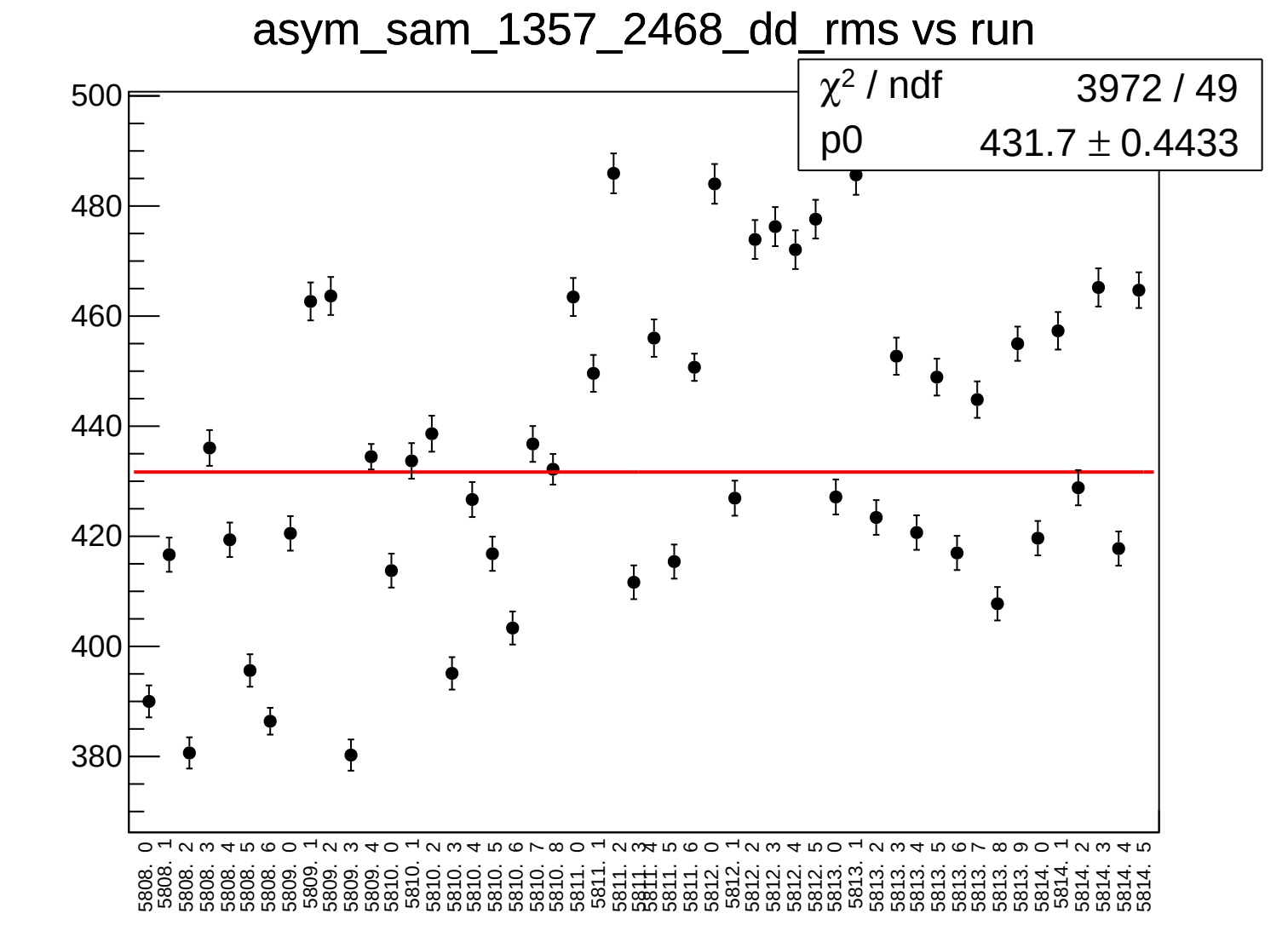
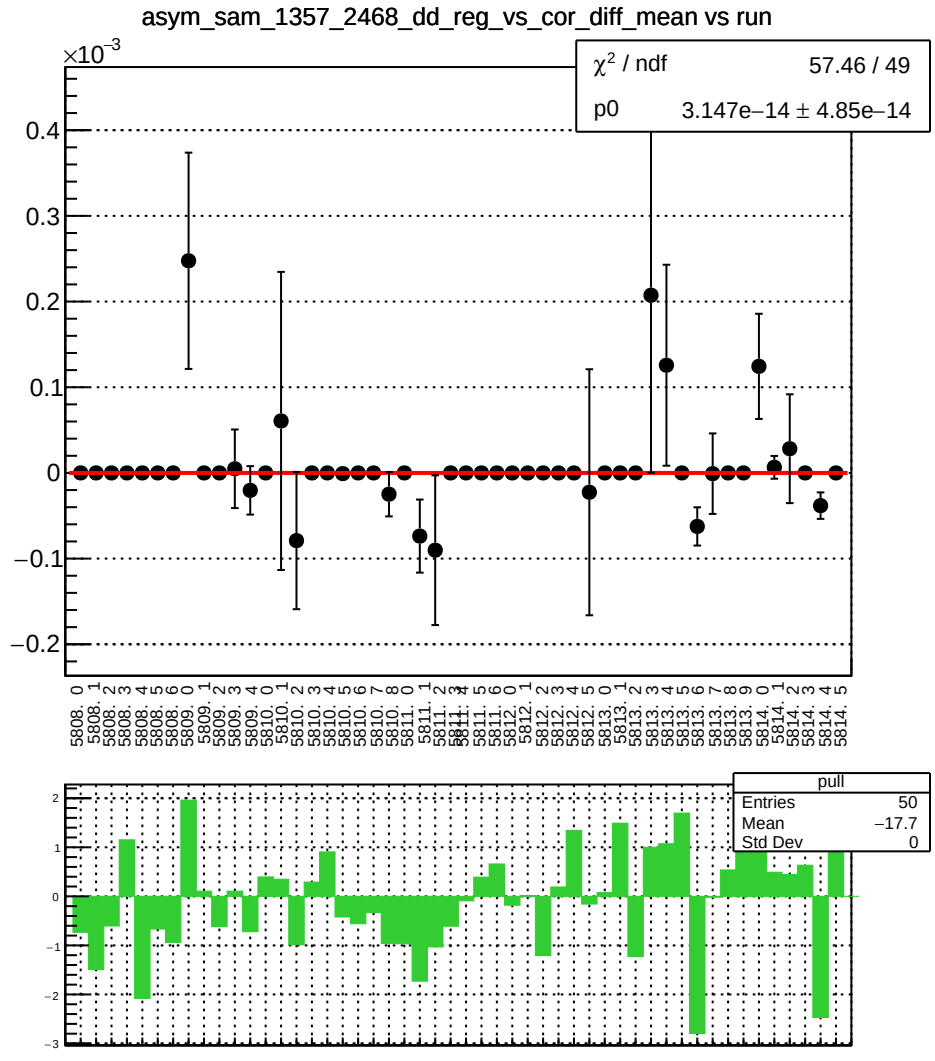
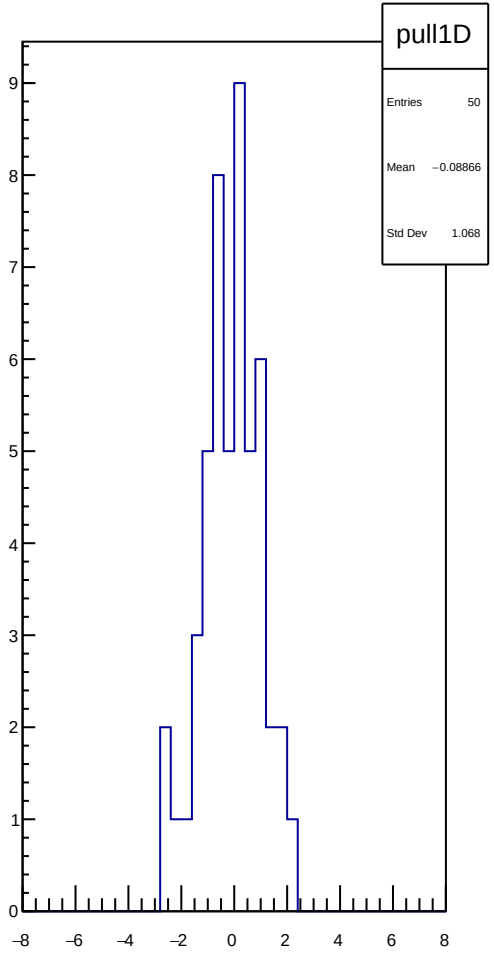
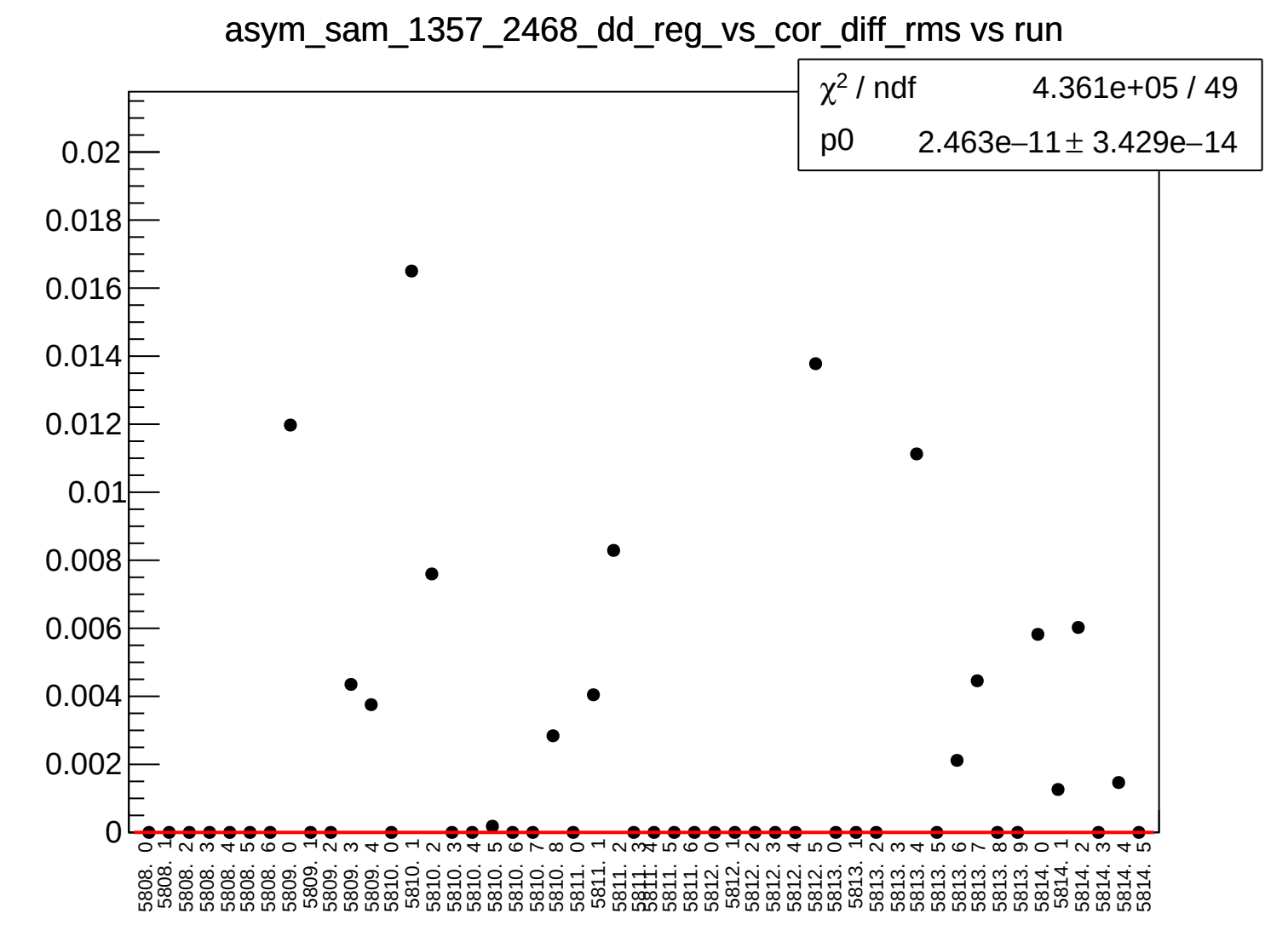
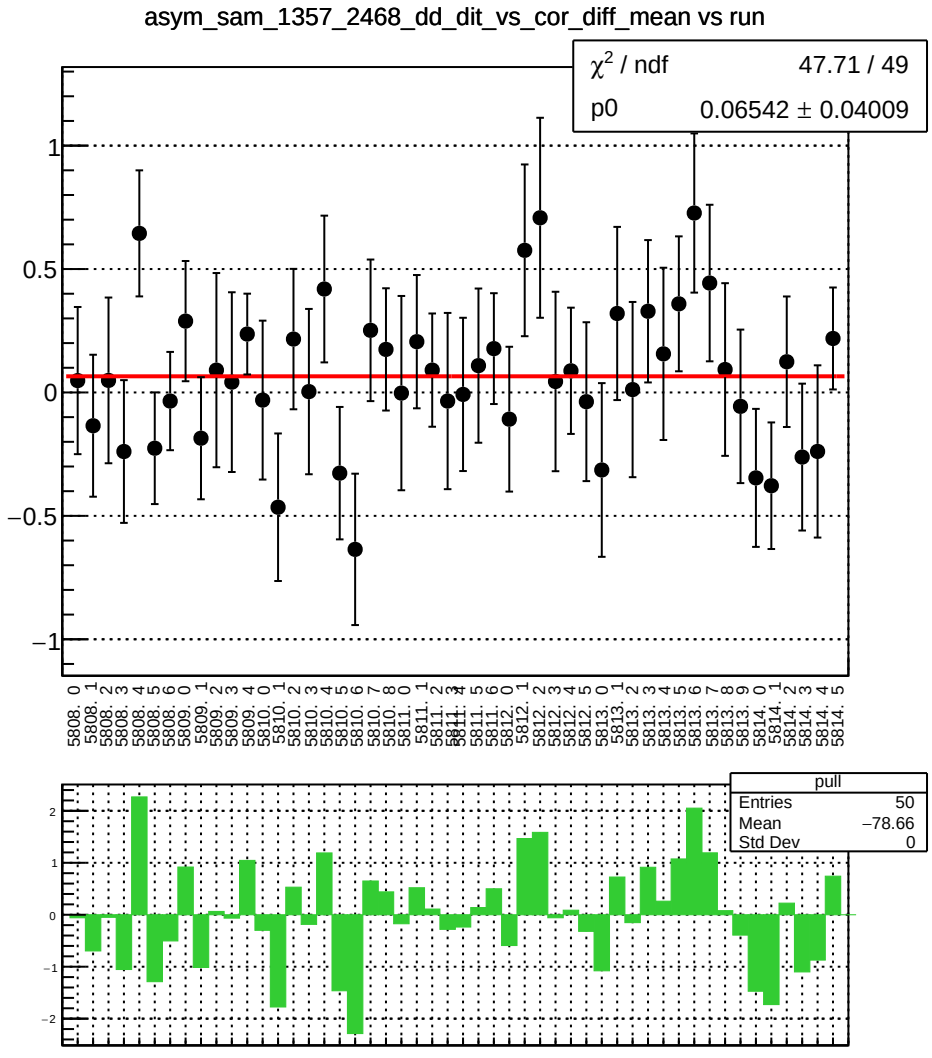
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

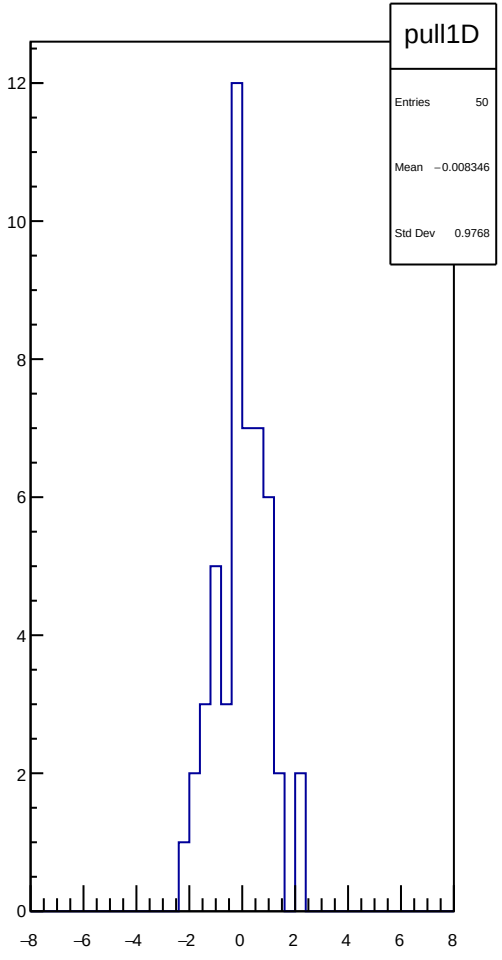

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 3972 / 49
p0 431.7 ± 0.4433
500
480
460
440
420
400
380
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

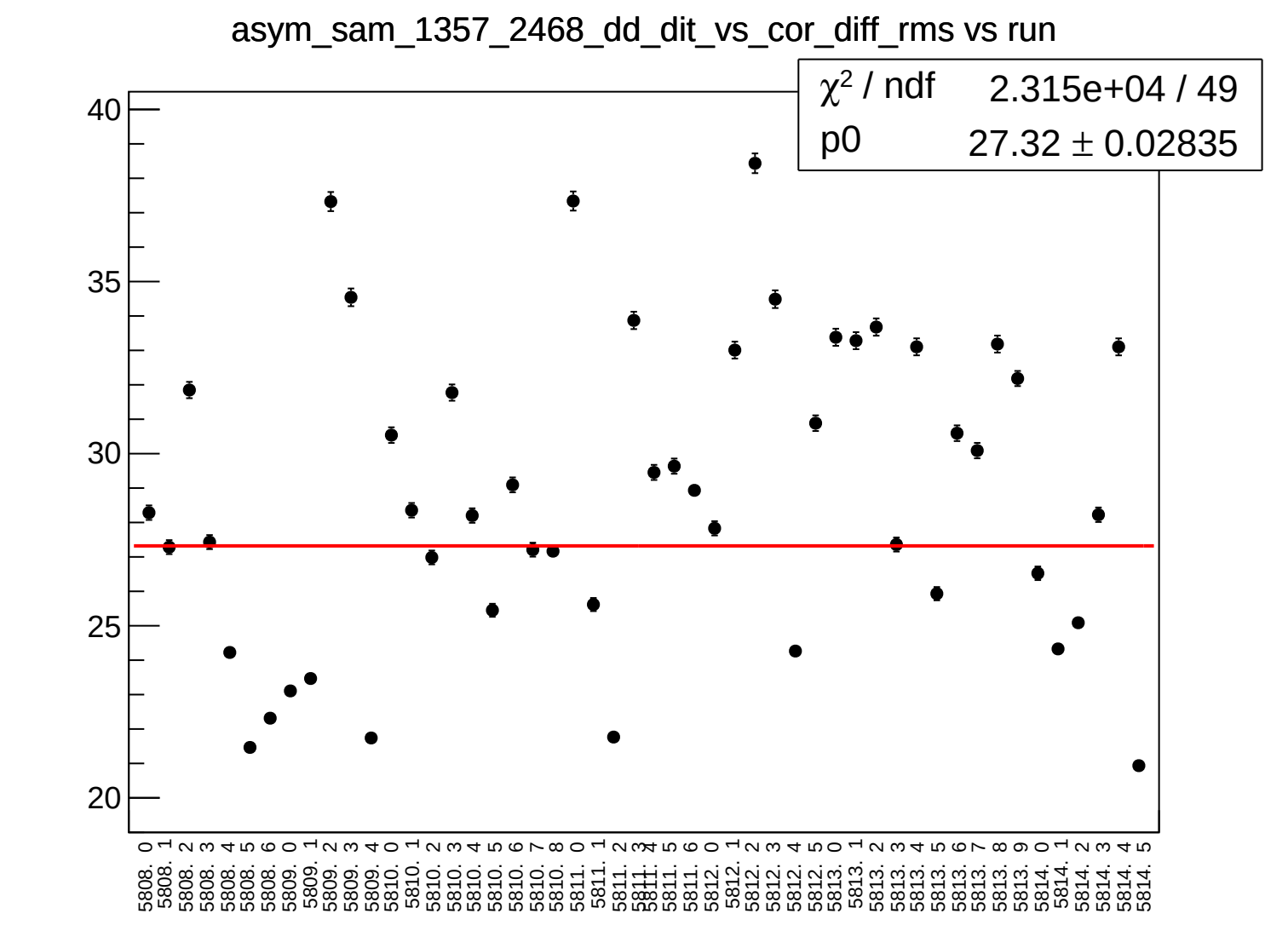

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 57.46 / 49
p0 3.147e−14 ± 4.85e−14
pull
Entries 50
Mean −17.7
Std Dev 0

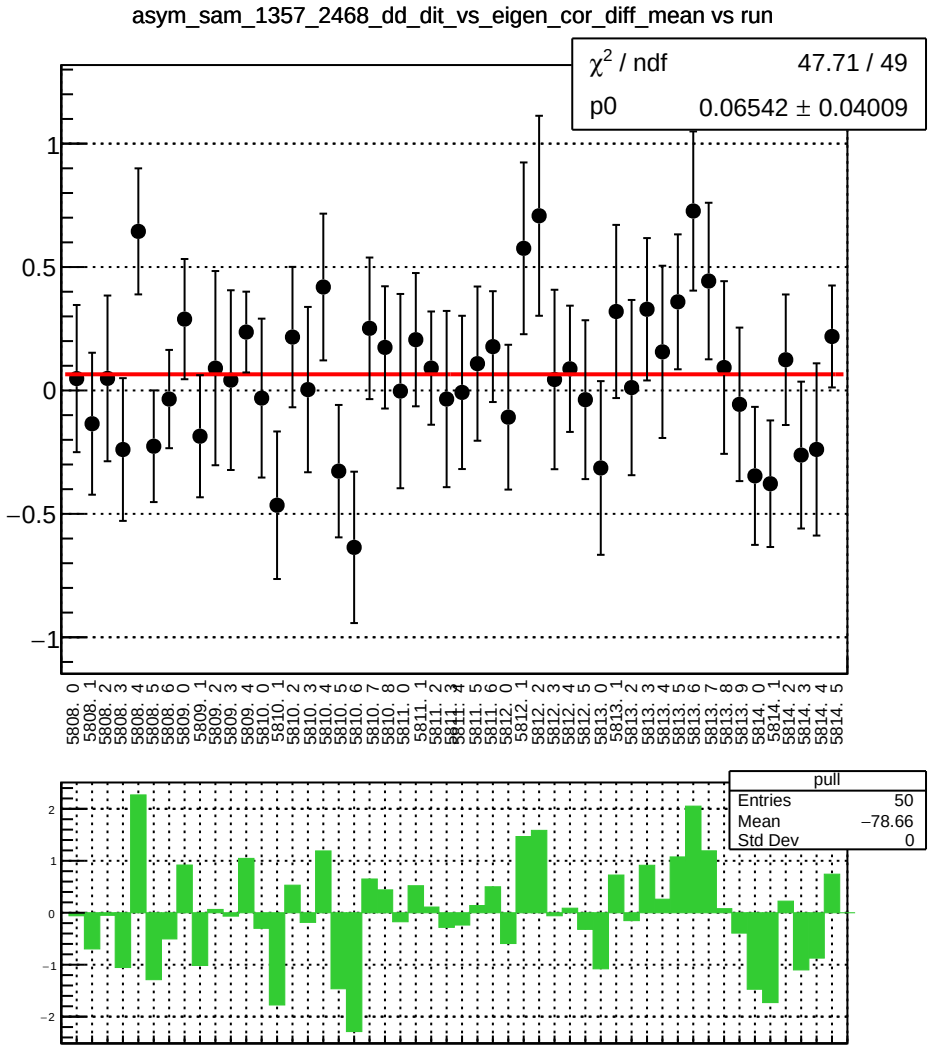

pull1D
Entries 50
Mean −0.08866
Std Dev 1.068

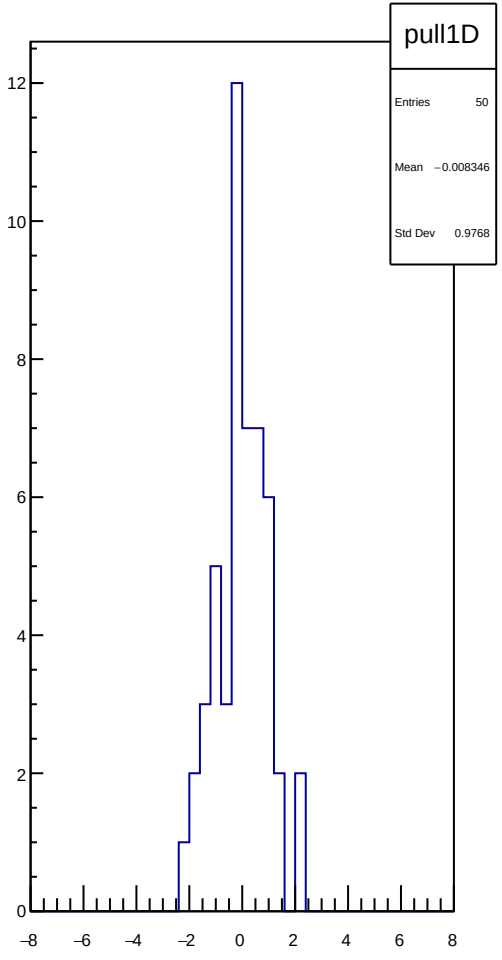

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.361e+05 / 49
p0 2.463e−11 ± 3.429e−14
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

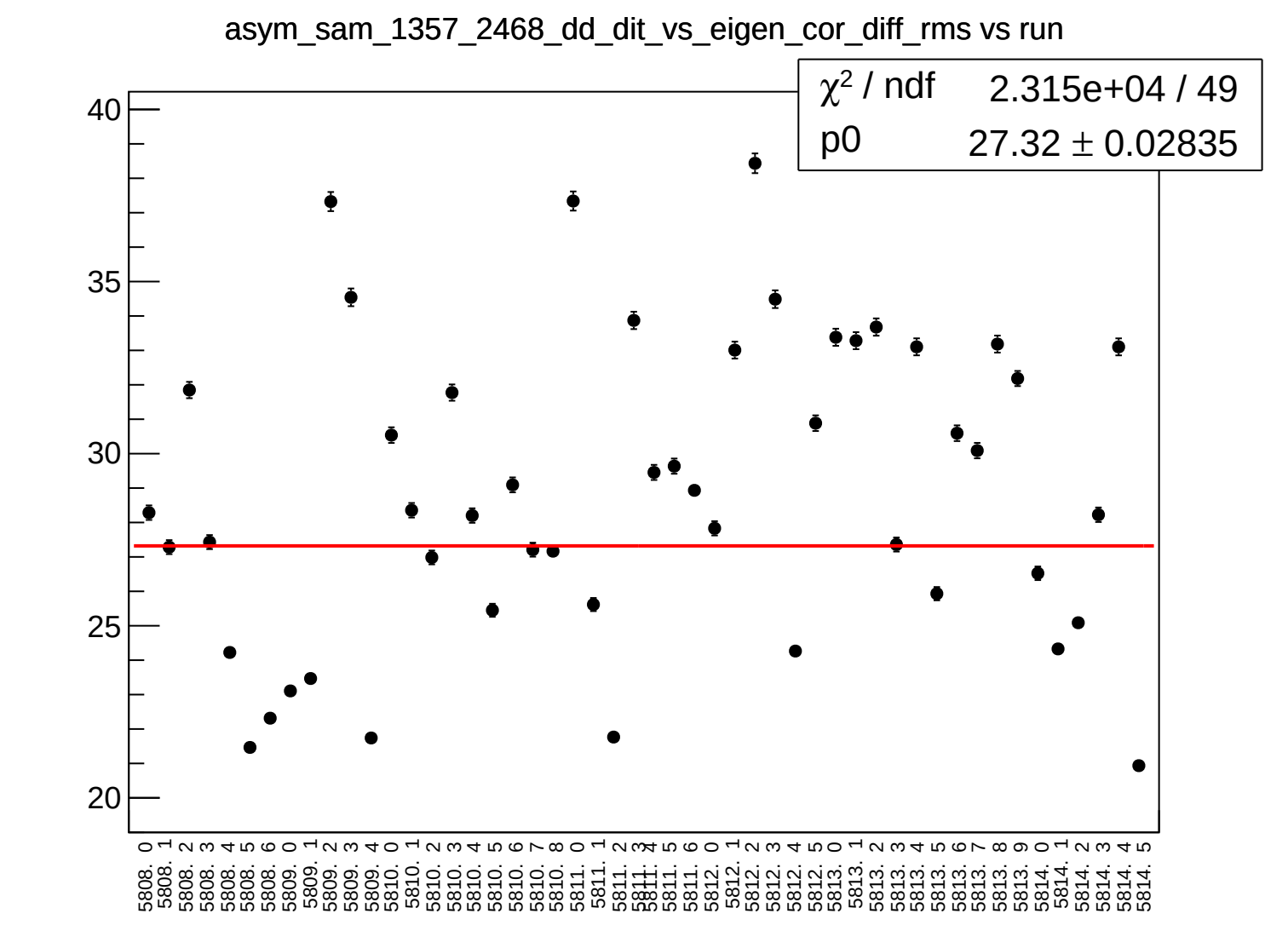

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.06542 ± 0.04009
pull
Entries 50
Mean −78.66
Std Dev 0

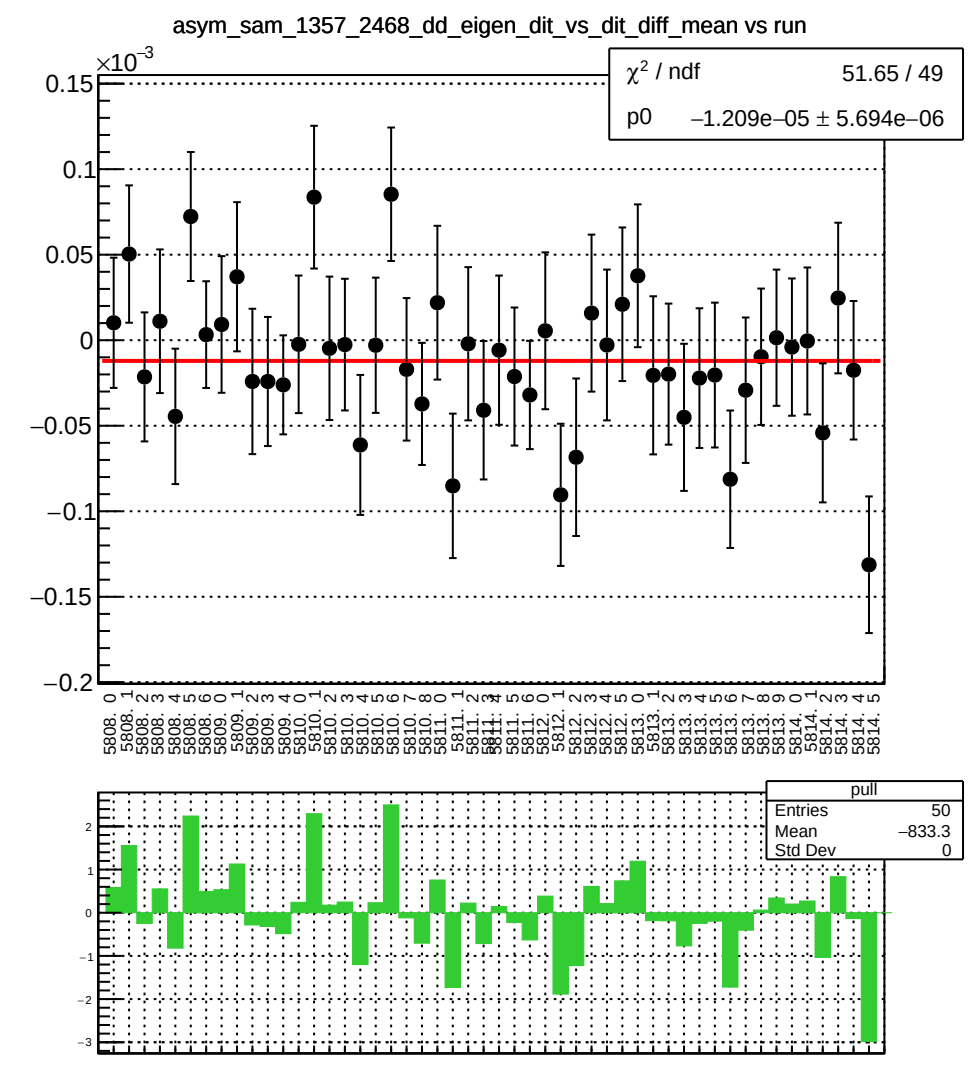

pull1D
Entries 50
Mean −0.008346
Std Dev 0.9768

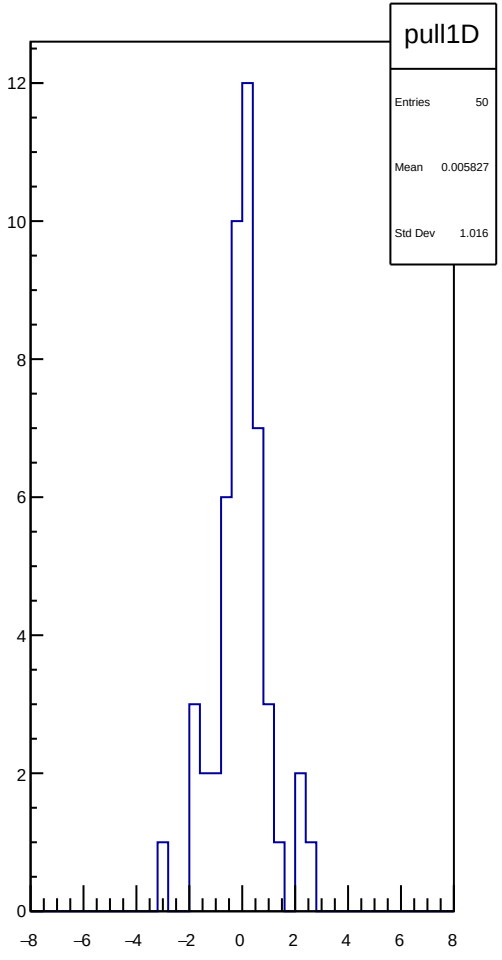

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.315e+04 / 49
p0 27.32 ± 0.02835
40
35
30
25
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

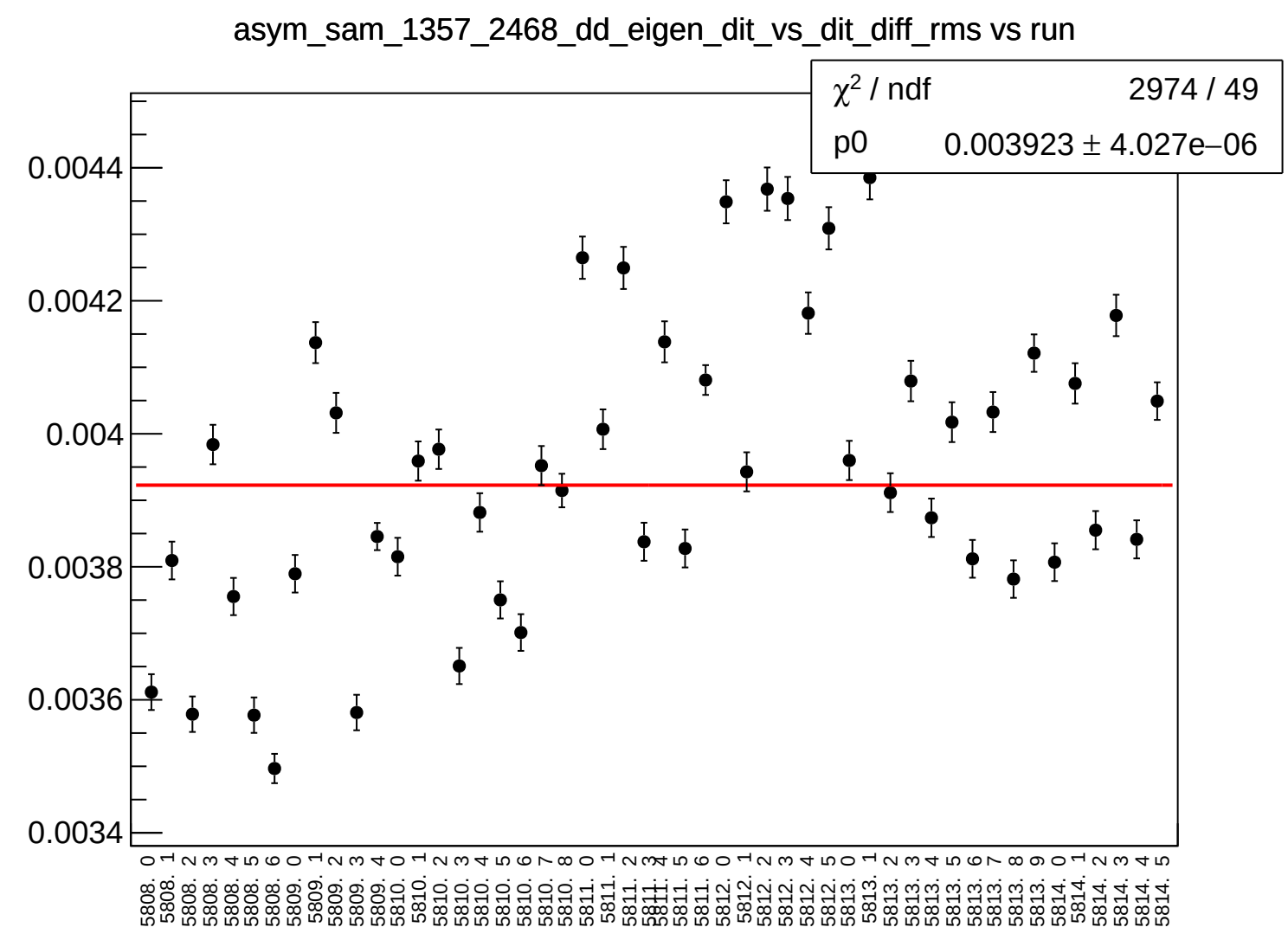

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.06542 ± 0.04009
pull
Entries 50
Mean −78.66
Std Dev 0

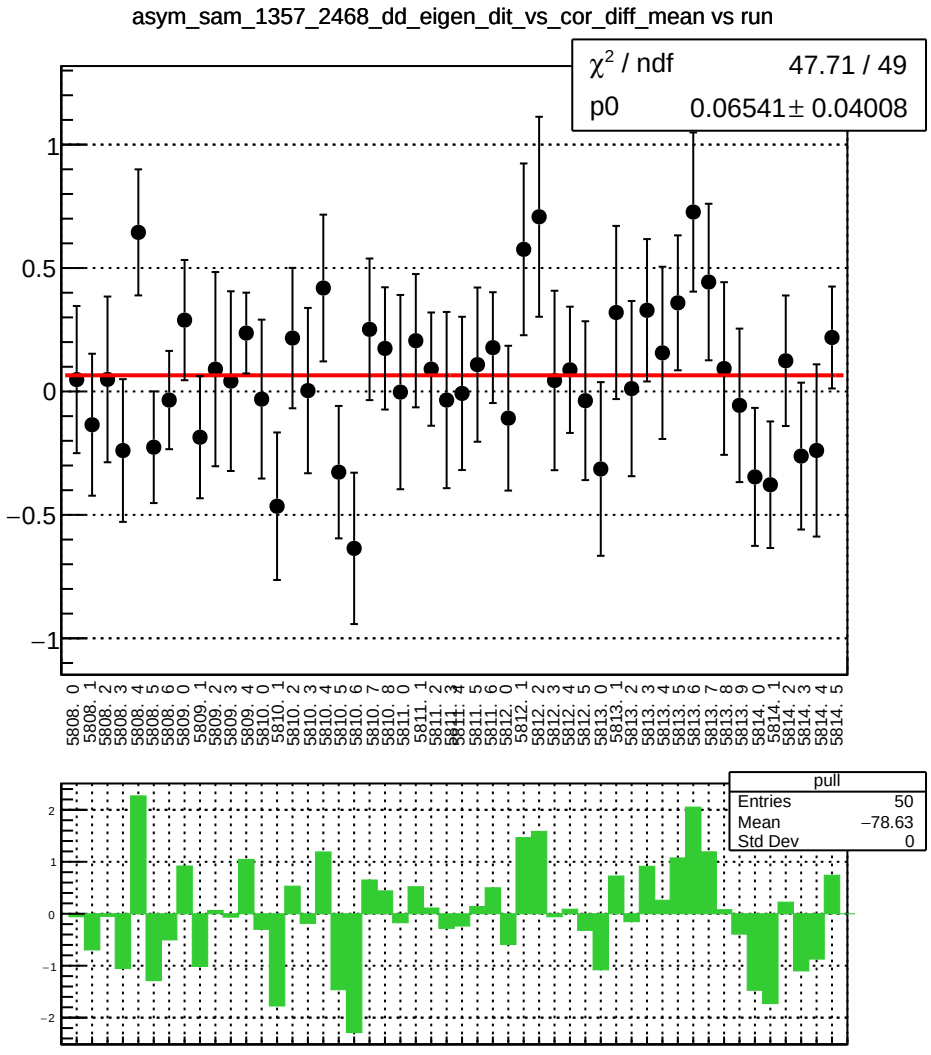

pull1D
Entries 50
Mean −0.008346
Std Dev 0.9768

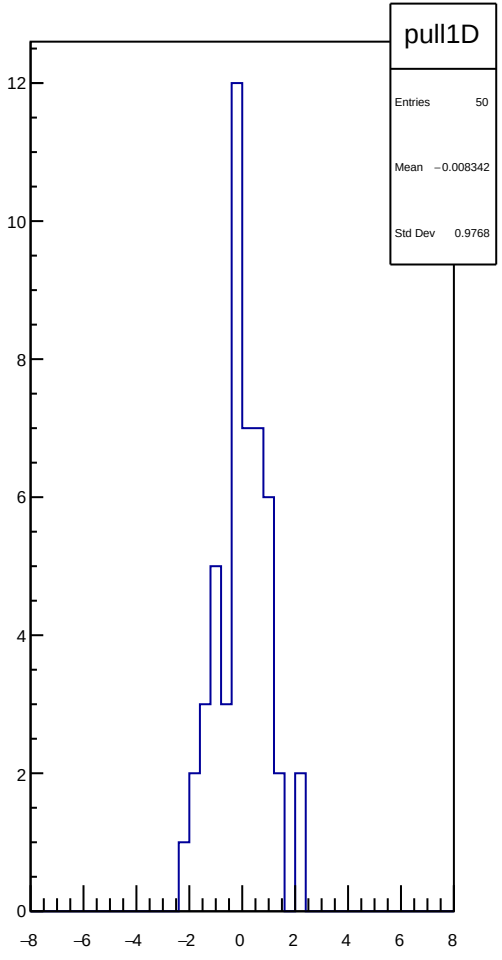

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.315e+04 / 49
p0 27.32 ± 0.02835
40
35
30
25
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

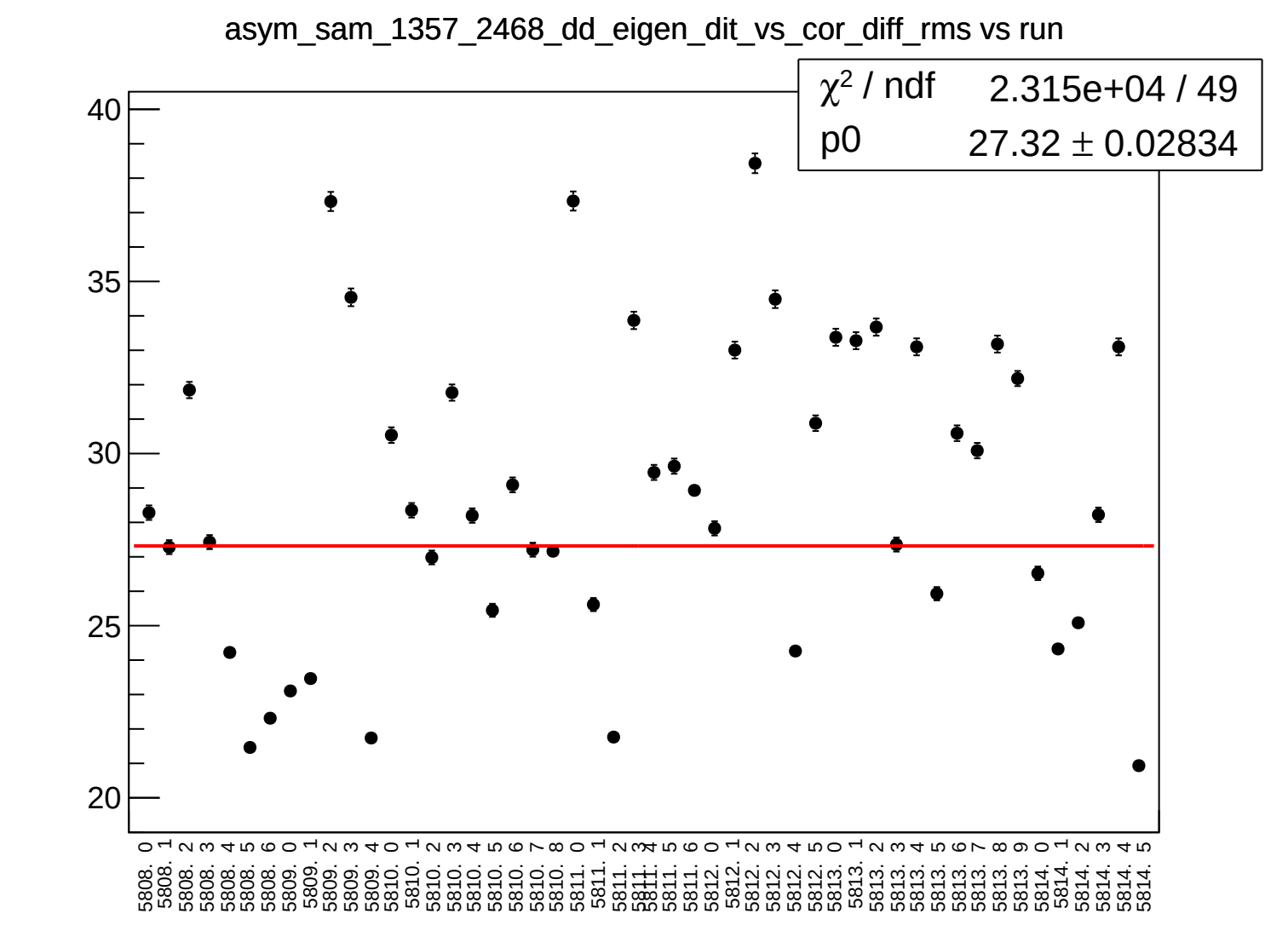

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 51.65 / 49
p0 −1.209e−05 ± 5.694e−06
pull
Entries 50
Mean −833.3
Std Dev 0

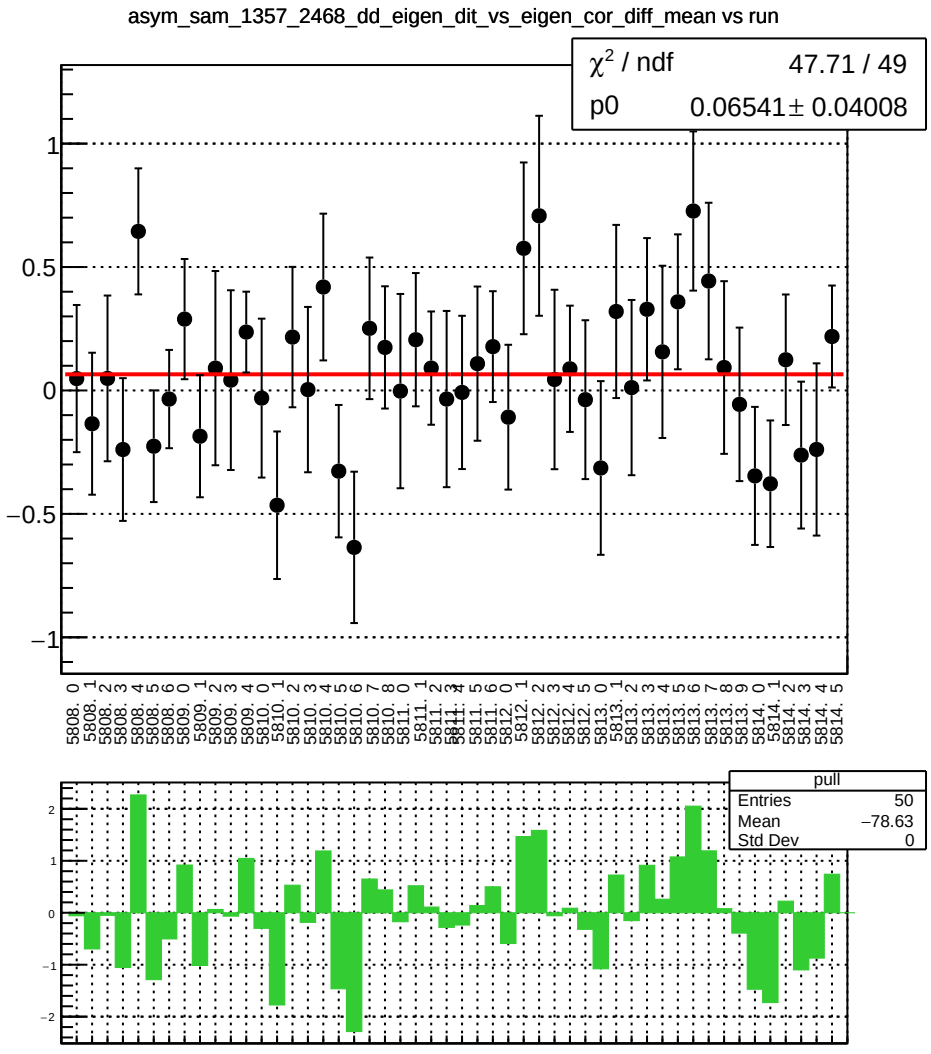

pull1D
Entries 50
Mean 0.005827
Std Dev 1.016

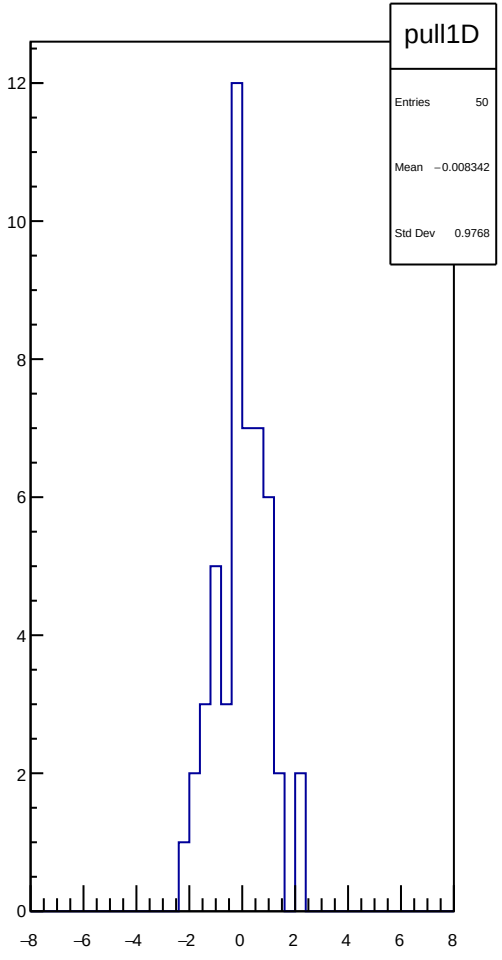

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2974 / 49
p0 0.003923 ± 4.027e−06
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

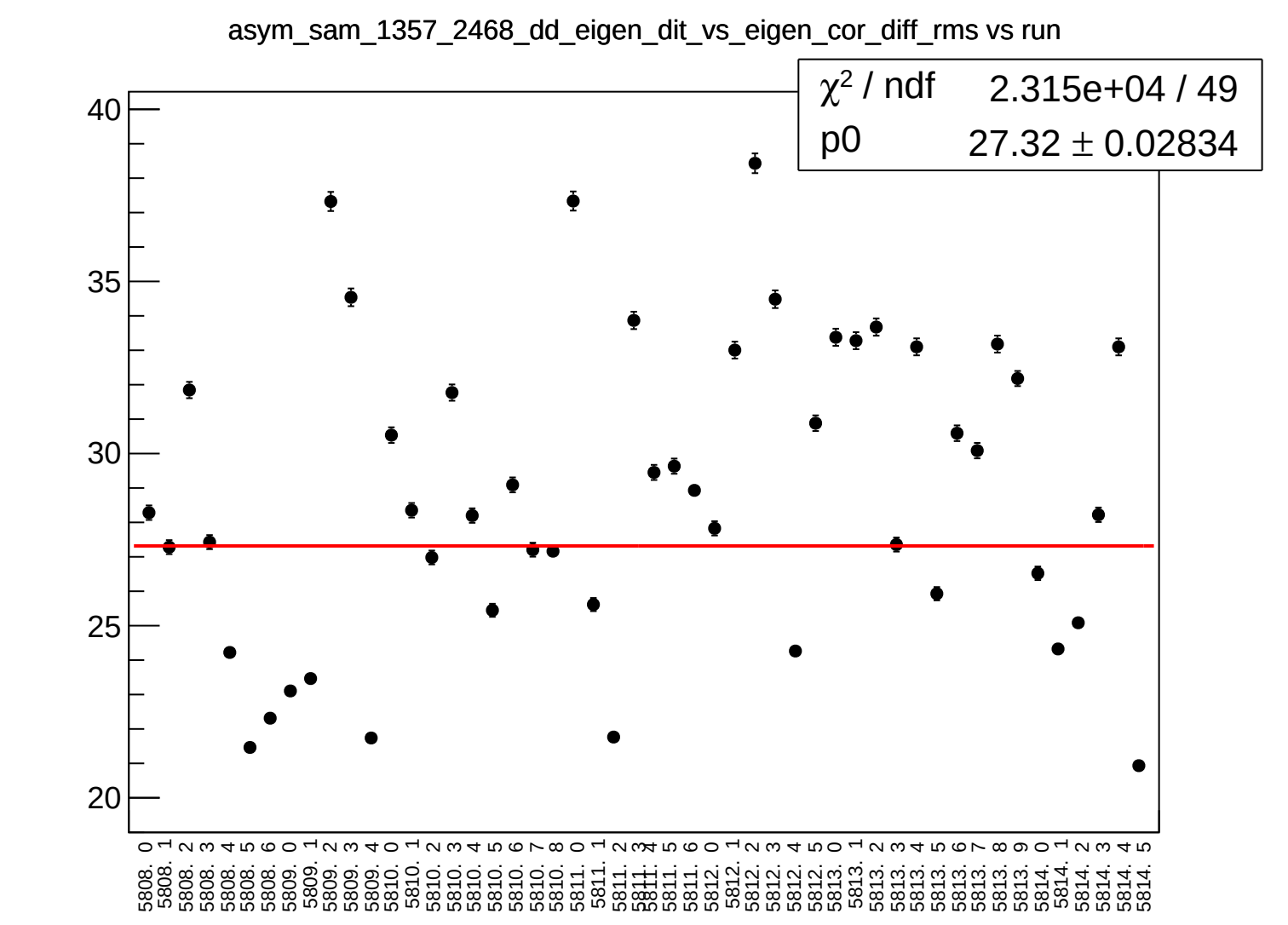

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.06541 ± 0.04008
pull
Entries 50
Mean −78.63
Std Dev 0

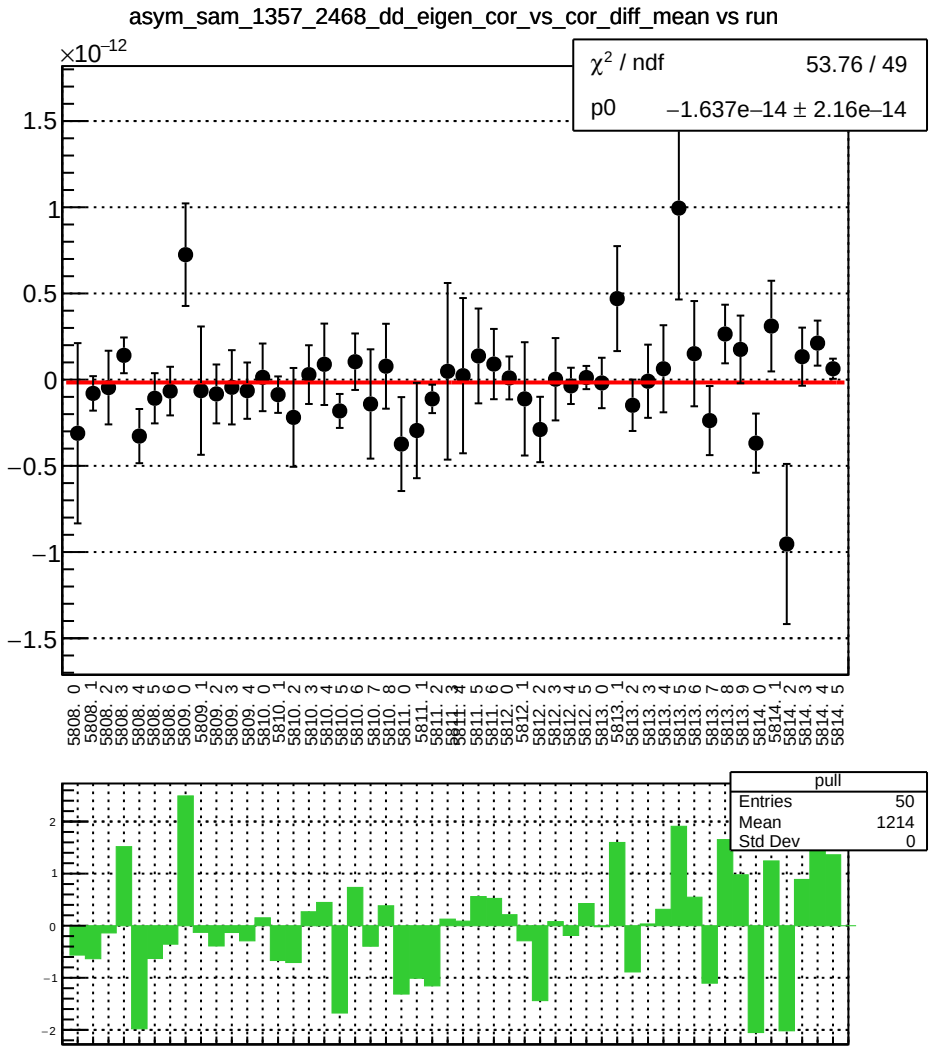

pull1D
Entries 50
Mean −0.008342
Std Dev 0.9768

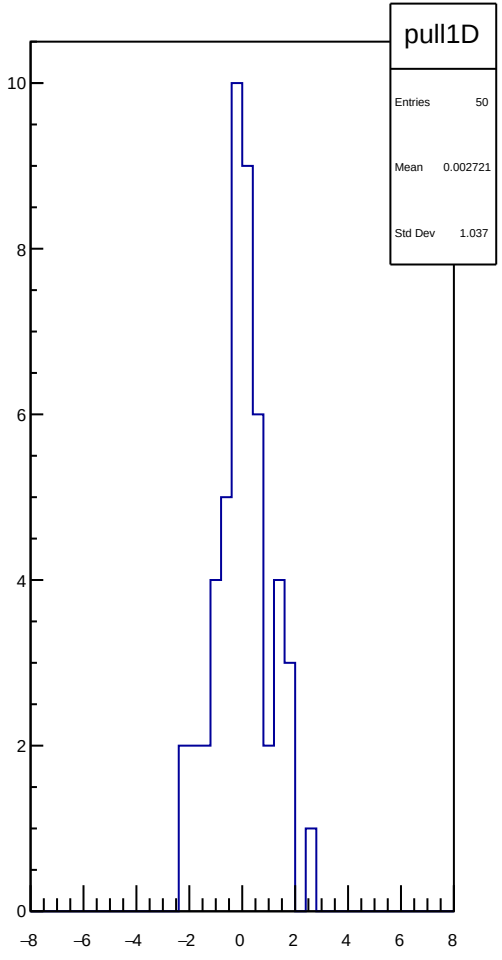

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.315e+04 / 49
p0 27.32 ± 0.02834
40
35
30
25
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

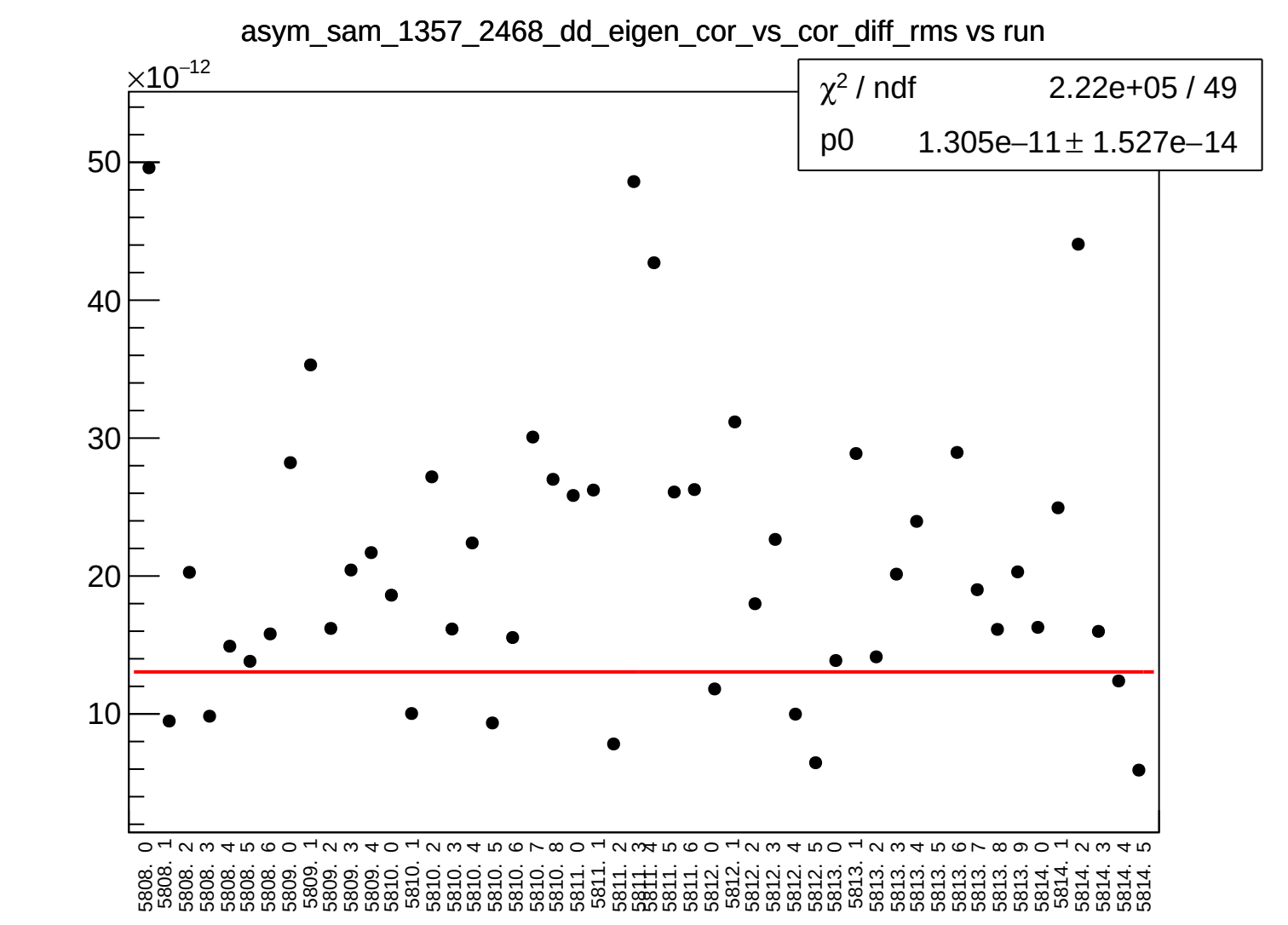

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.71 / 49
p0 0.06541 ± 0.04008
pull
Entries 50
Mean −78.63
Std Dev 0

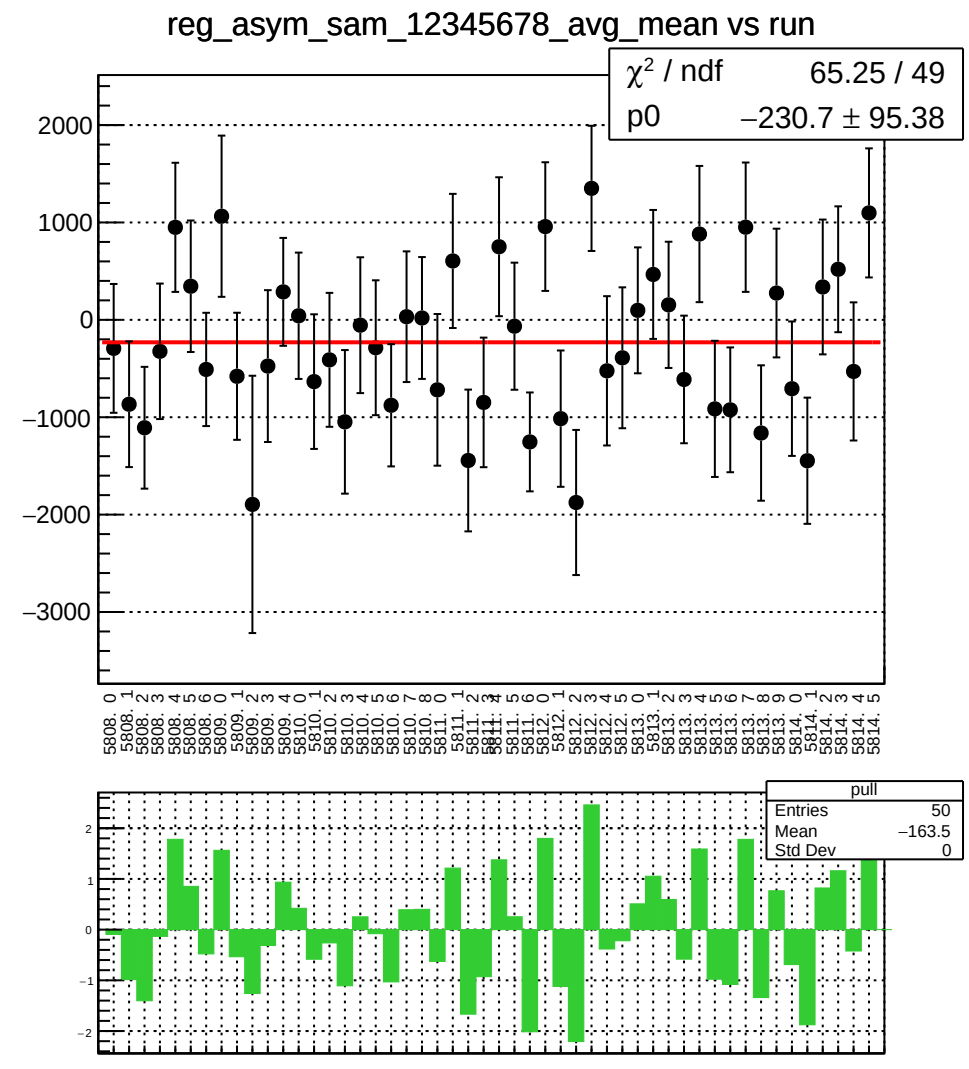

pull1D
Entries 50
Mean −0.008342
Std Dev 0.9768

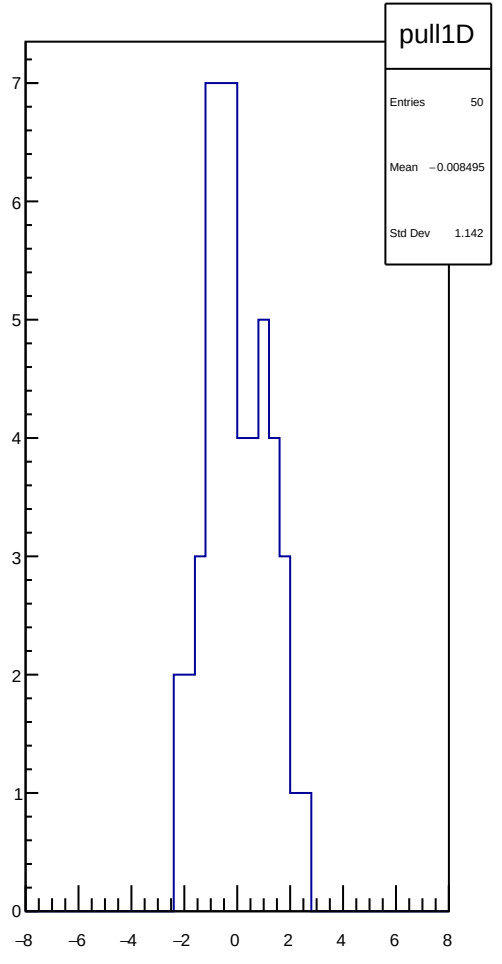

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.315e+04 / 49
p0 27.32 ± 0.02834
40
35
30
25
20
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

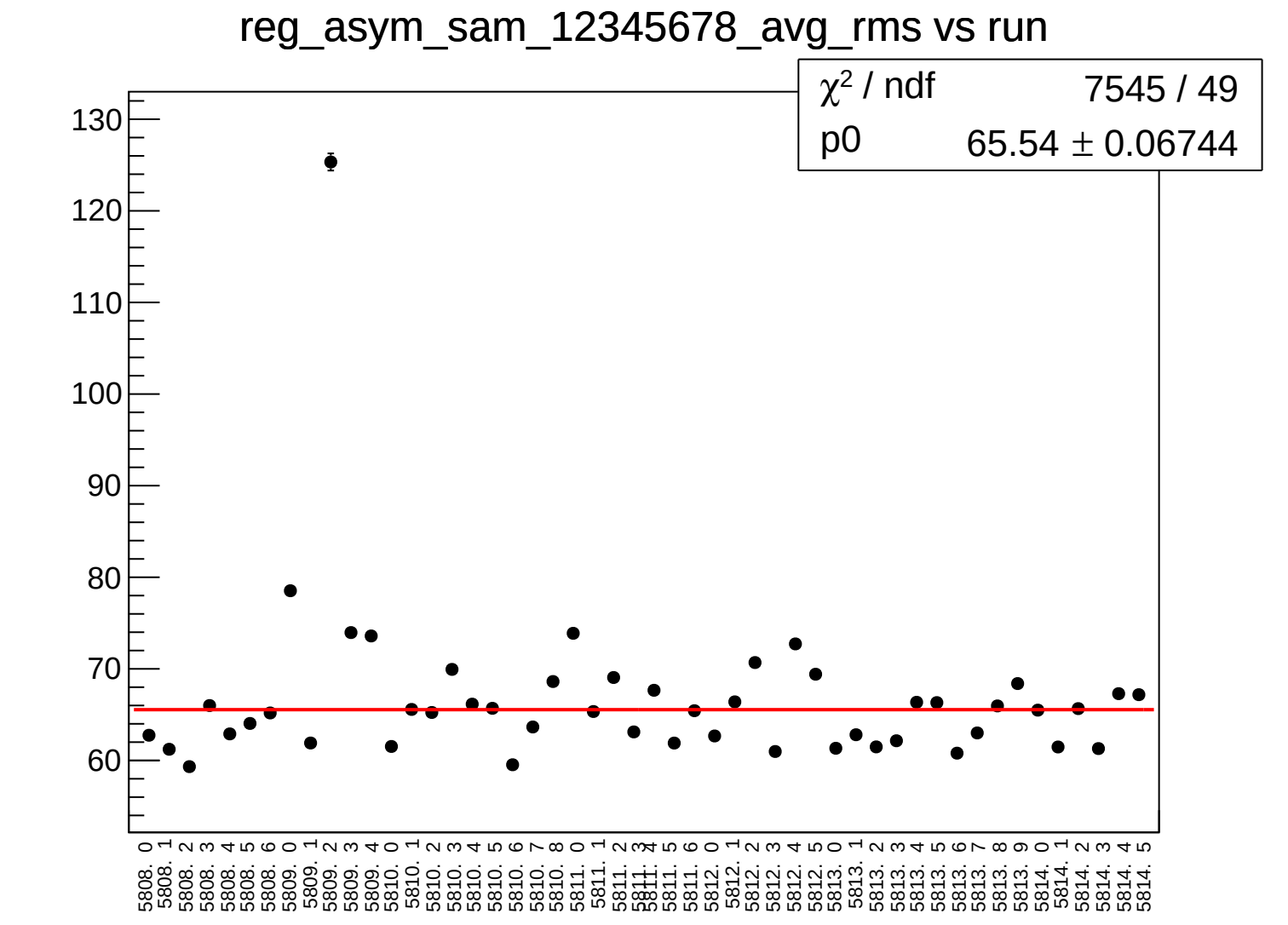

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.76 / 49
p0 −1.637e−14 ± 2.16e−14
pull
Entries 50
Mean 1214
Std Dev 0

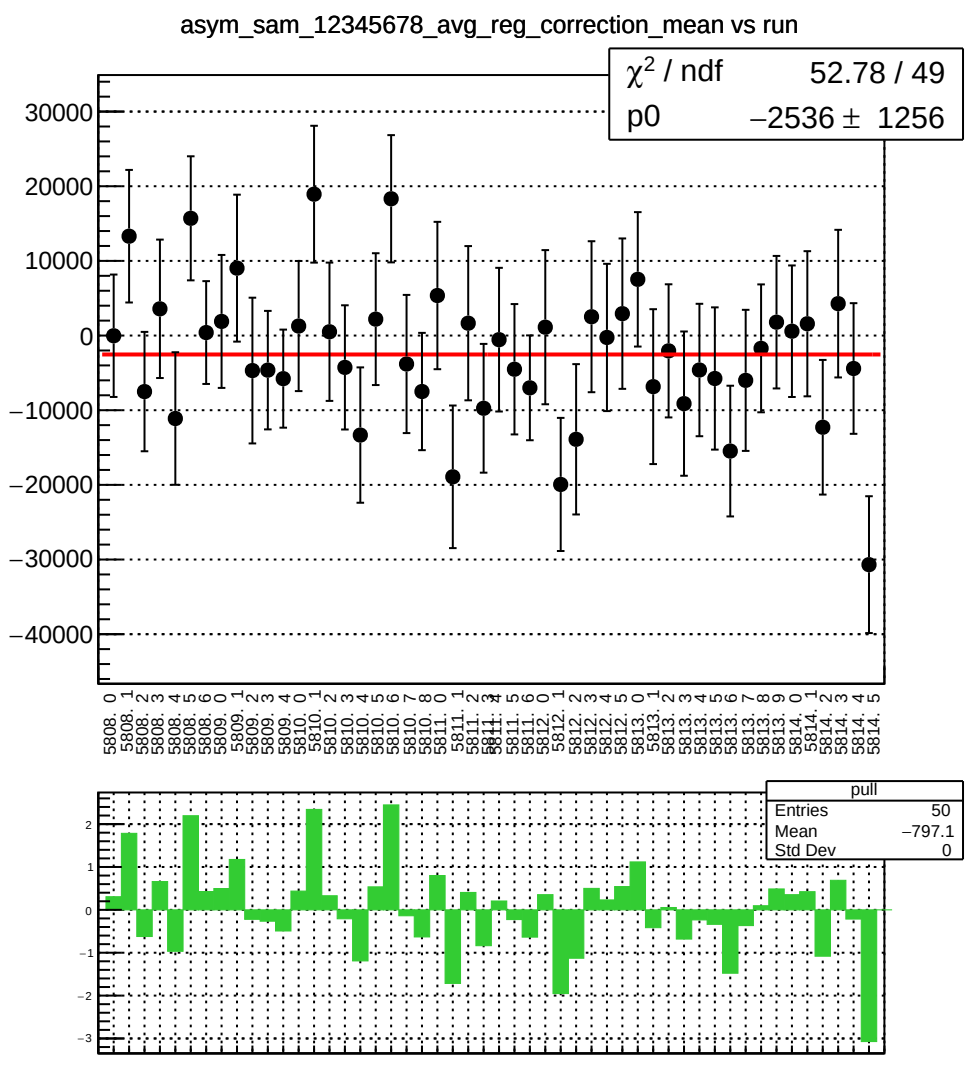

pull1D
Entries 50
Mean 0.002721
Std Dev 1.037

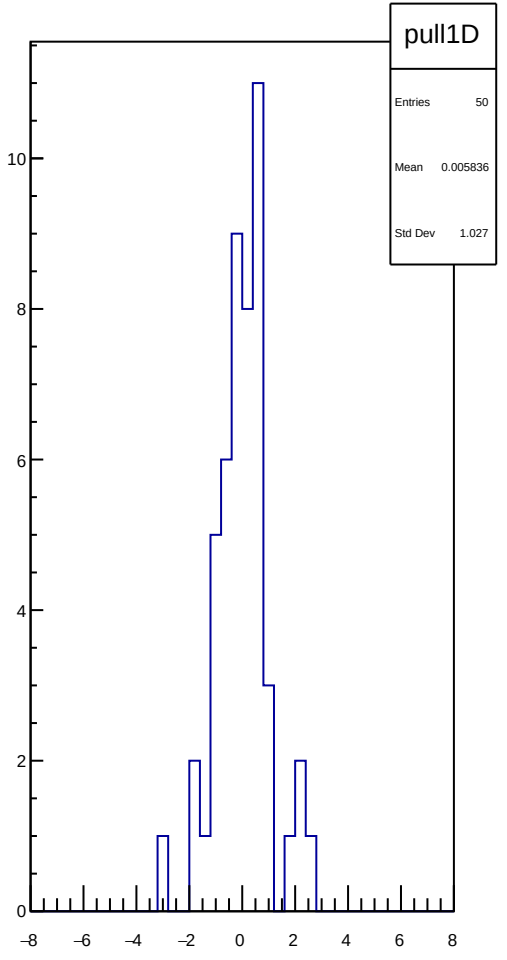

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.22e+05 / 49
p0 1.305e−11 ± 1.527e−14
50
40
30
20
10
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

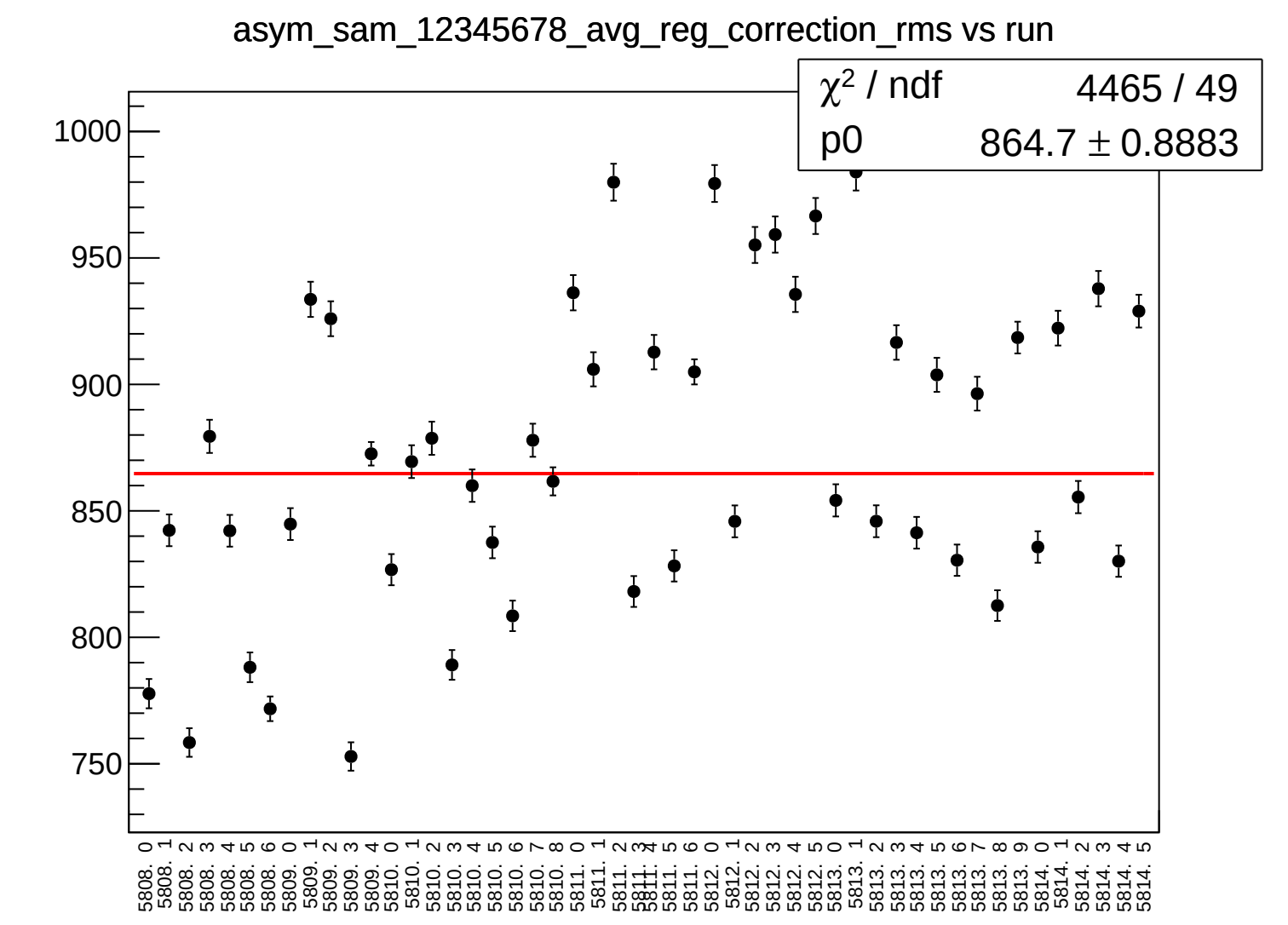

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.25 / 49
p0 −230.7 ± 95.38
pull
Entries 50
Mean −163.5
Std Dev 0


pull1D
Entries 50
Mean −0.008495
Std Dev 1.142


reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 7545 / 49
p0 65.54 ± 0.06744
130
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5


asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 52.78 / 49
p0 −2536 ± 1256
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −797.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.005836
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 4465 / 49
p0 864.7 ± 0.8883
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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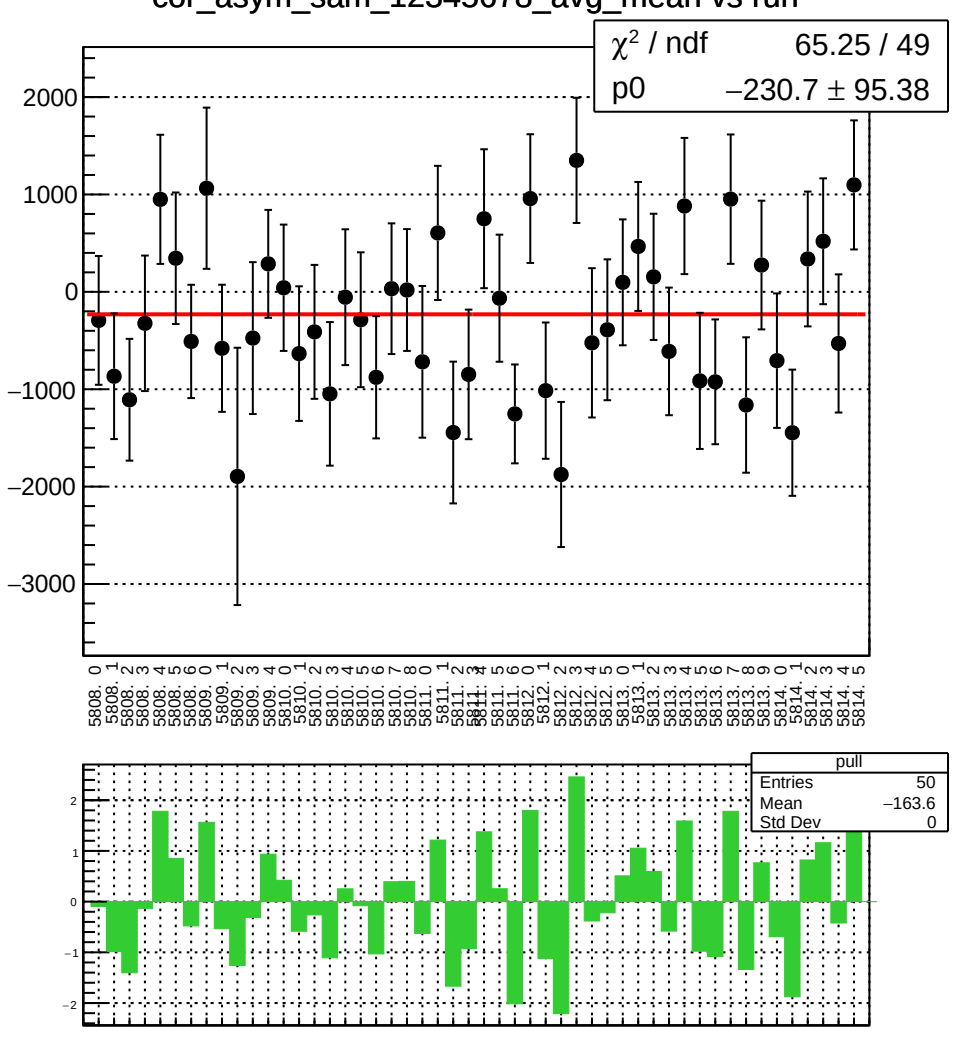
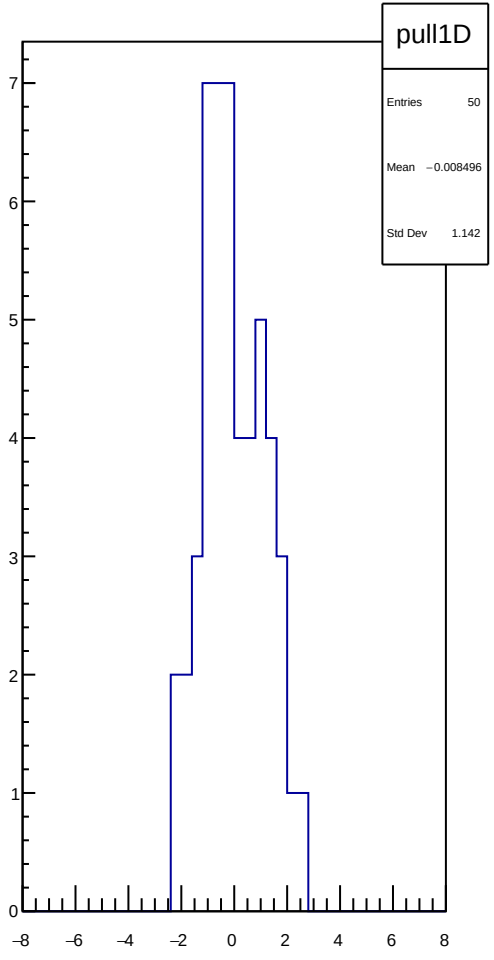
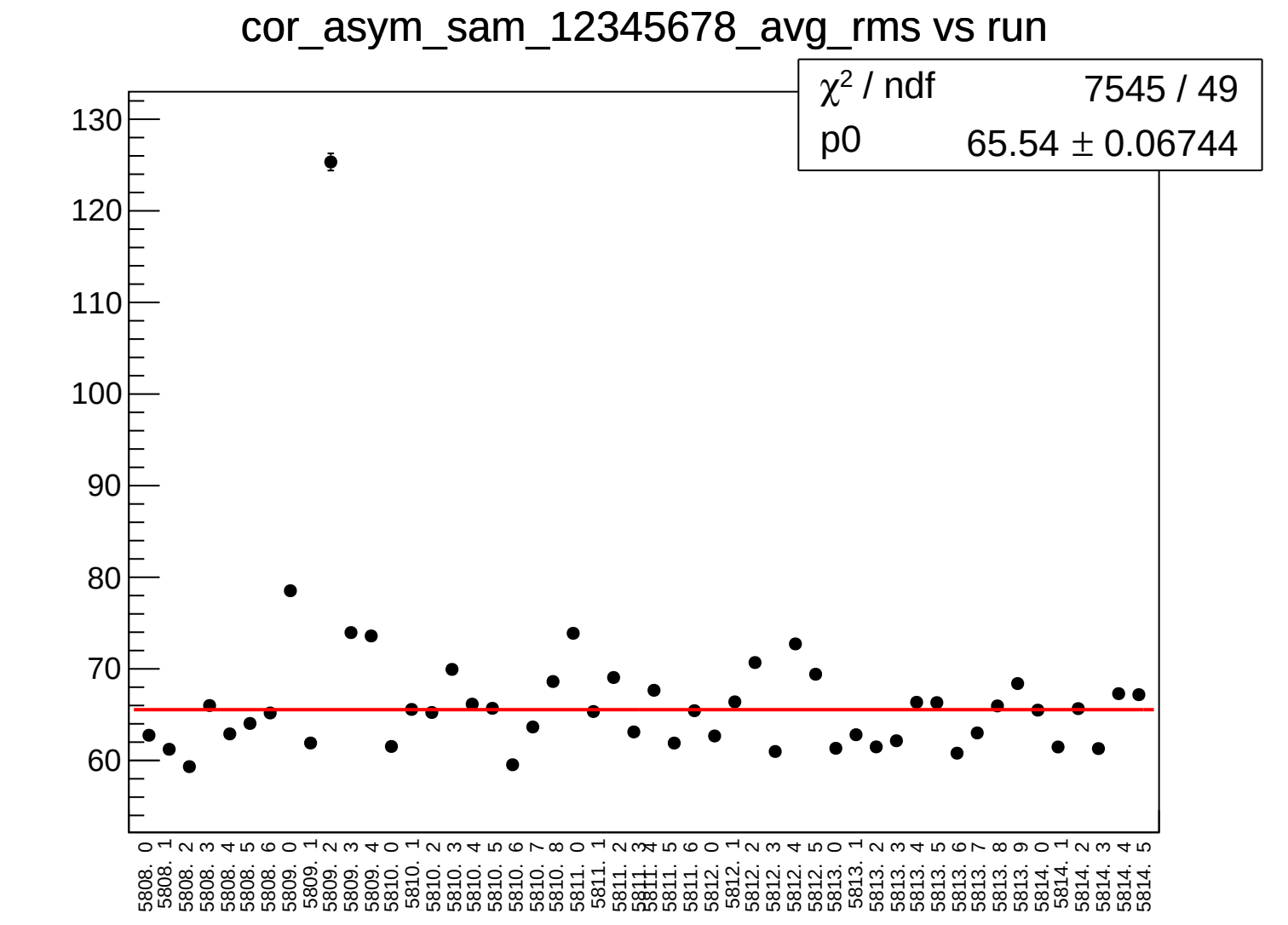
5814. 4
5814. 5


cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.25 / 49
p0 −230.7 ± 95.38
pull
Entries 50
Mean −163.6
Std Dev 0


pull1D
Entries 50
Mean −0.008496
Std Dev 1.142


cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 7545 / 49
p0 65.54 ± 0.06744
130
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
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5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5814. 2
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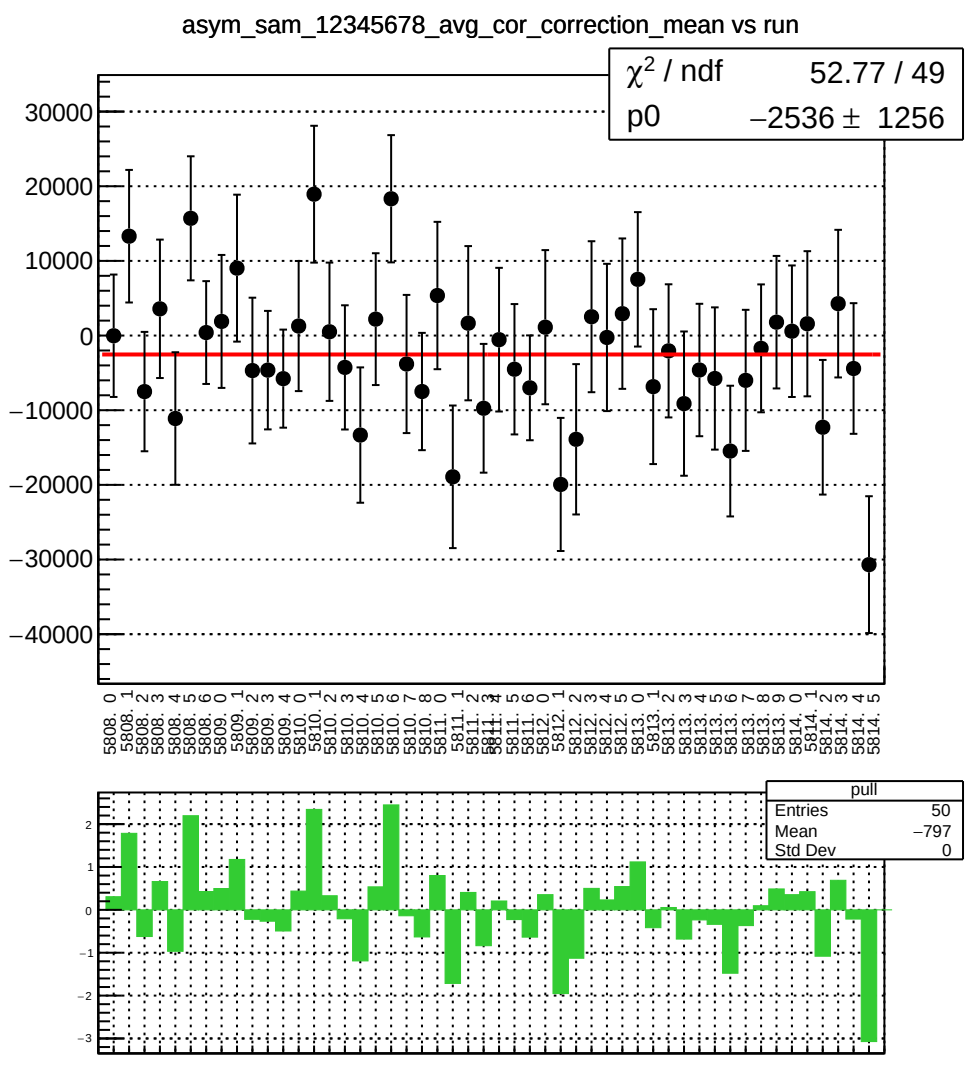
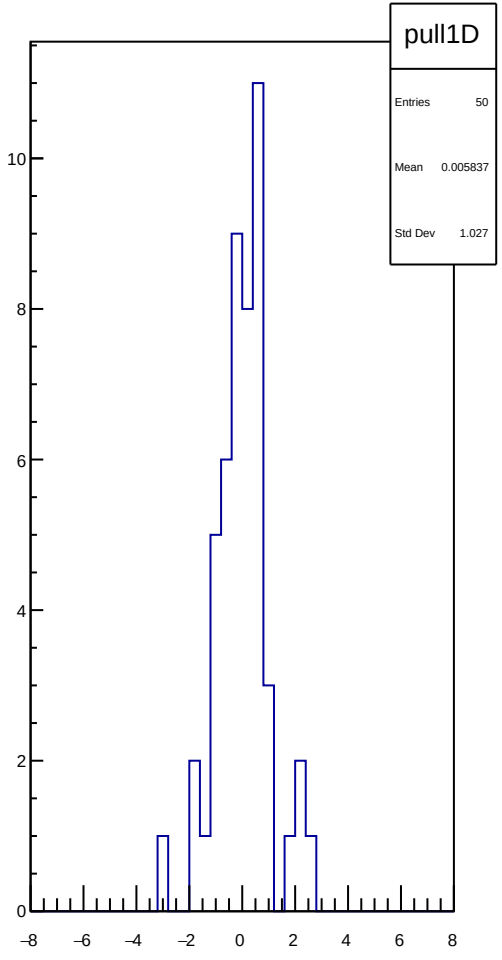
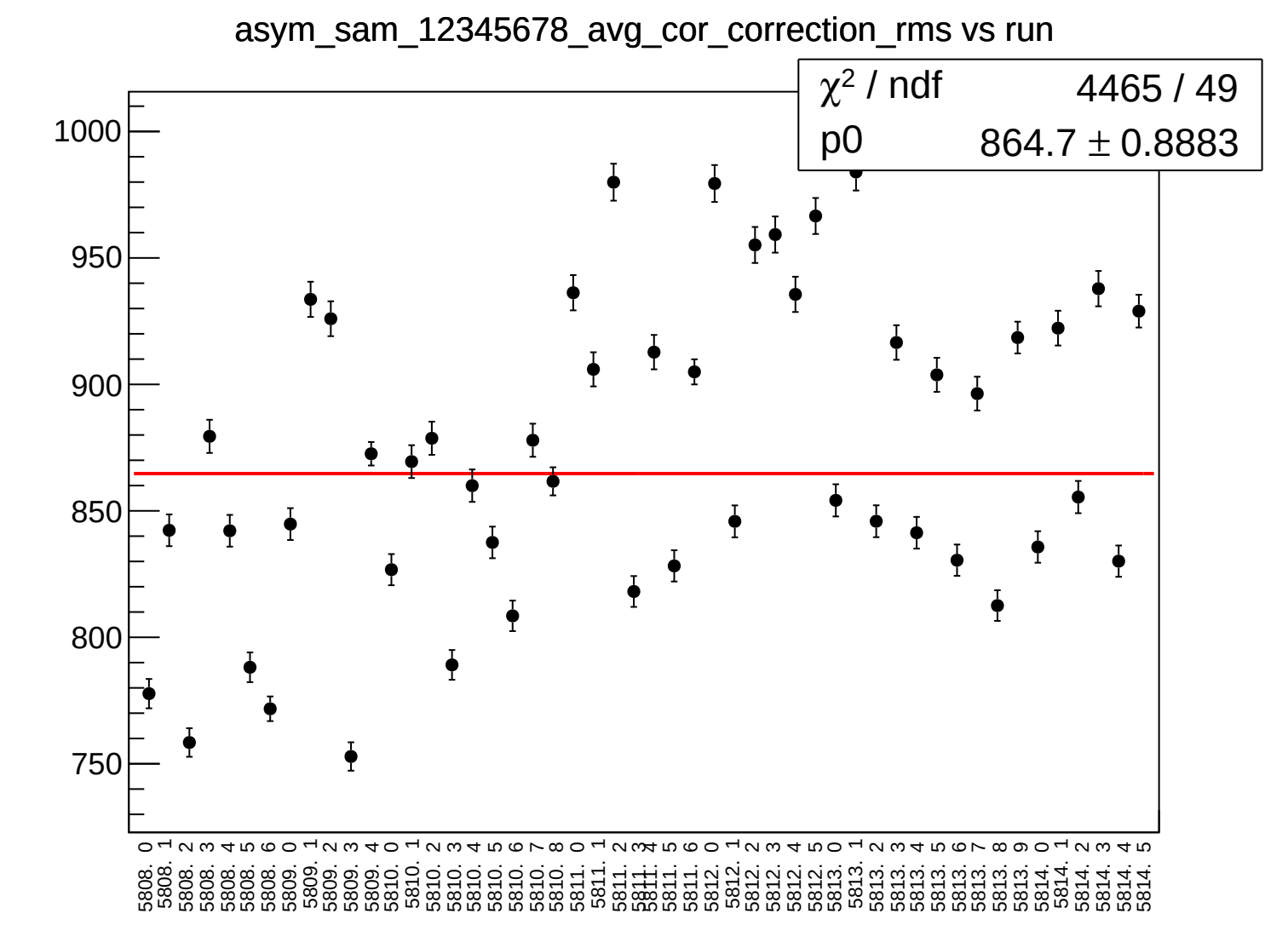
5814. 4
5814. 5


asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 52.77 / 49
p0 −2536 ± 1256
30000
20000
10000
0
−10000
−20000
−30000
−40000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −797
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.005837
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 4465 / 49
p0 864.7 ± 0.8883
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
5813. 9
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5814. 1
5814. 2
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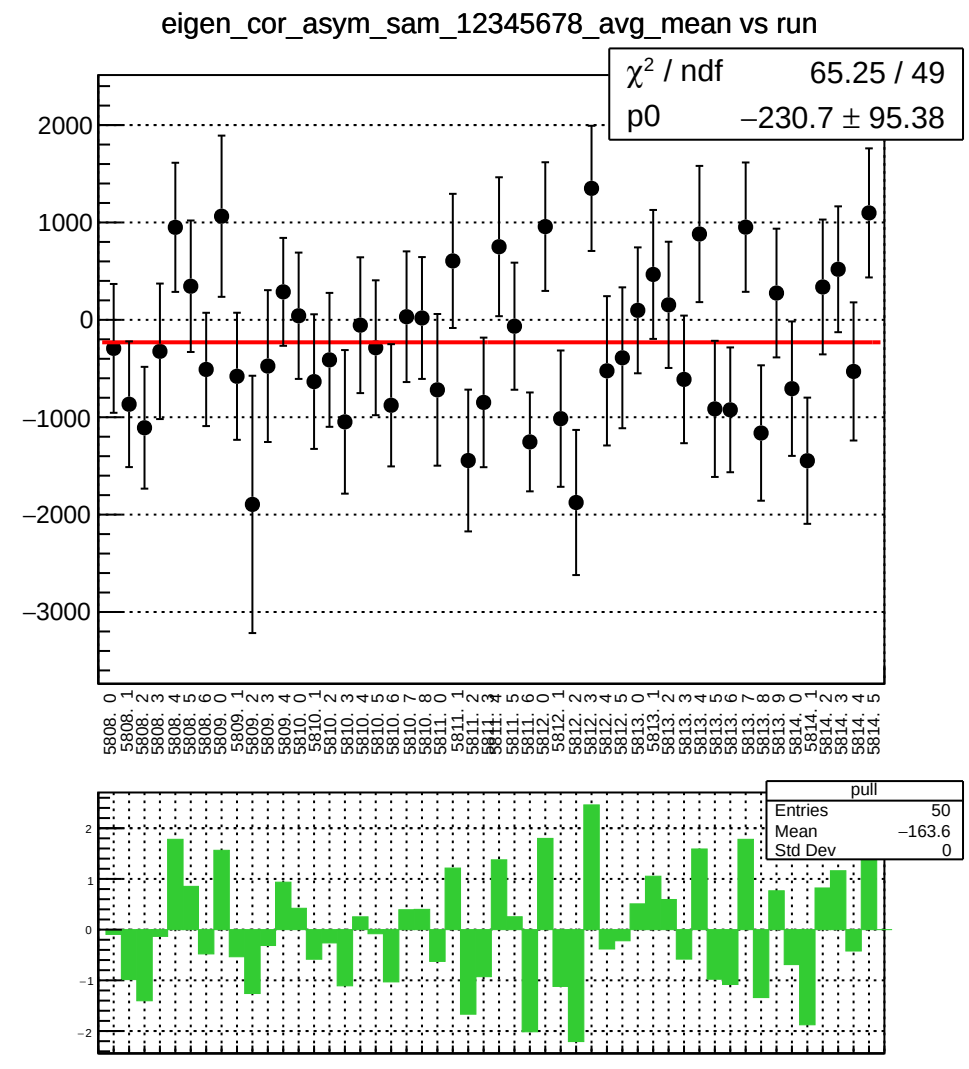
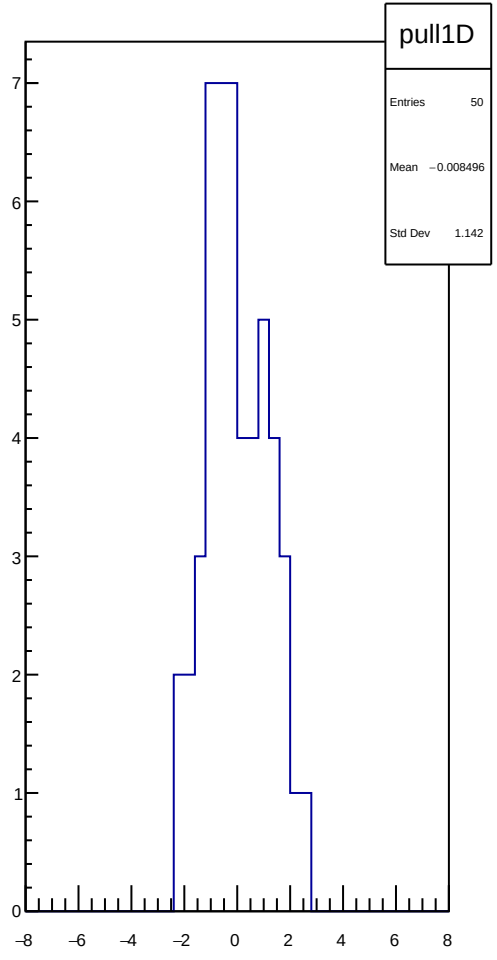
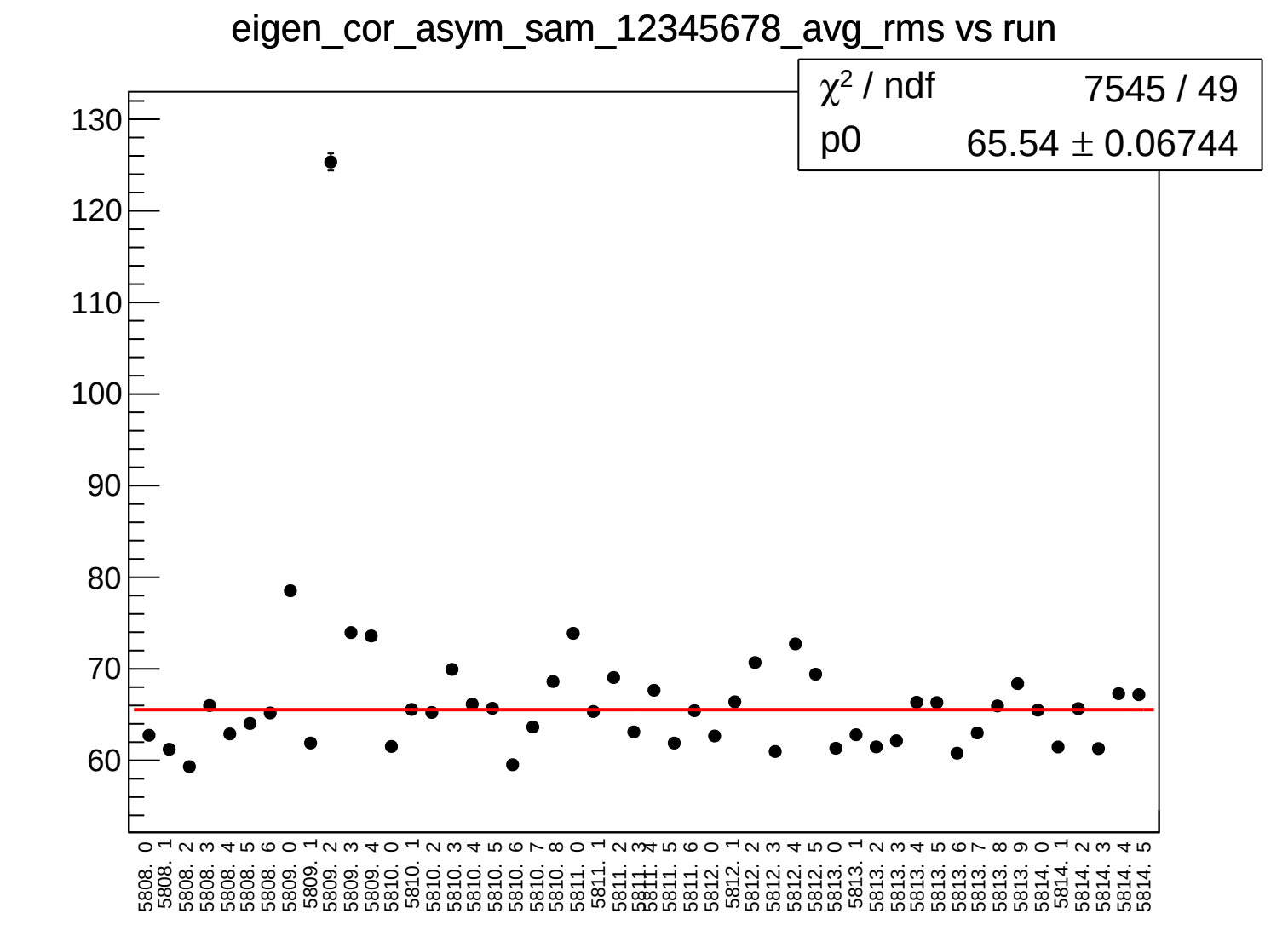
5814. 4
5814. 5


eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 65.25 / 49
p0 −230.7 ± 95.38
2000
1000
0
−1000
−2000
−3000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −163.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 50
Mean −0.008496
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 7545 / 49
p0 65.54 ± 0.06744
130
120
110
100
90
80
70
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
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5813. 8
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5814. 2
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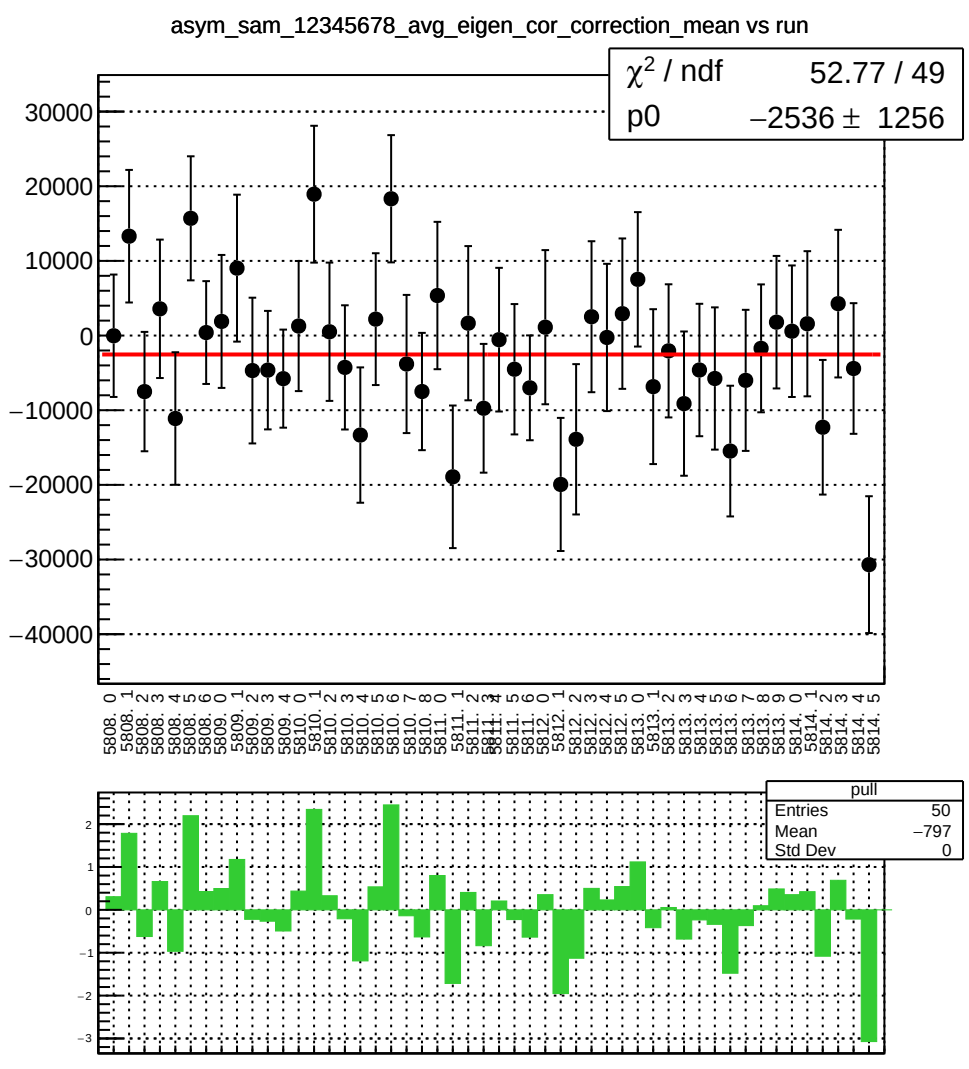
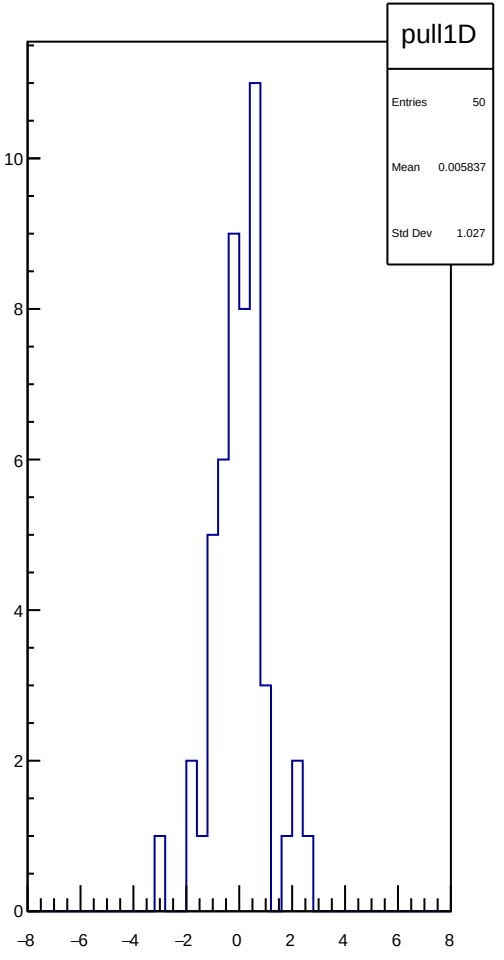
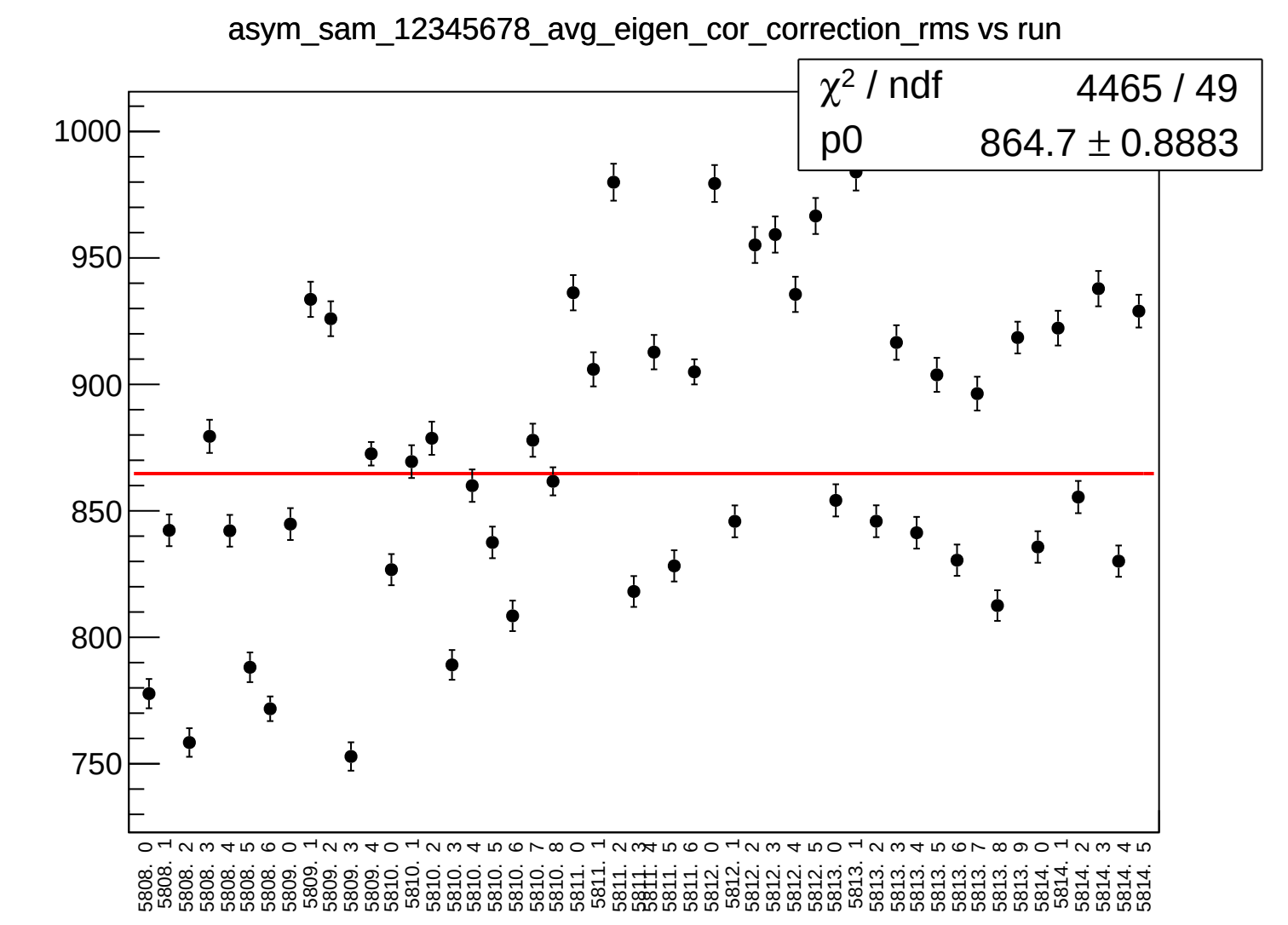
5814. 4
5814. 5


asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 52.77 / 49
p0 −2536 ± 1256
30000
20000
10000
0
−10000
−20000
−30000
−40000
pull
Entries 50
Mean −797
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 50
Mean 0.005837
Std Dev 1.027
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 4465 / 49
p0 864.7 ± 0.8883
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
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5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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5813. 5
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5813. 8
5813. 9
5814. 0
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5814. 2
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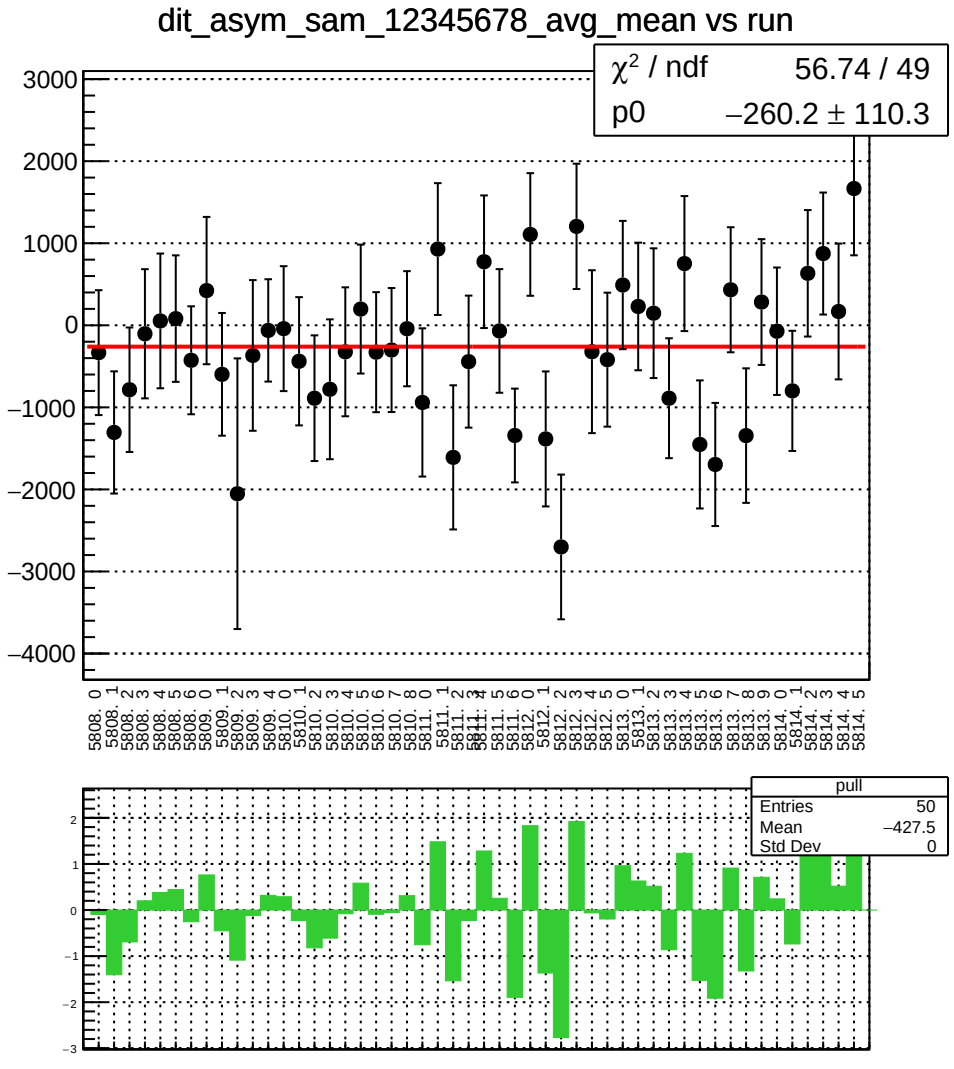
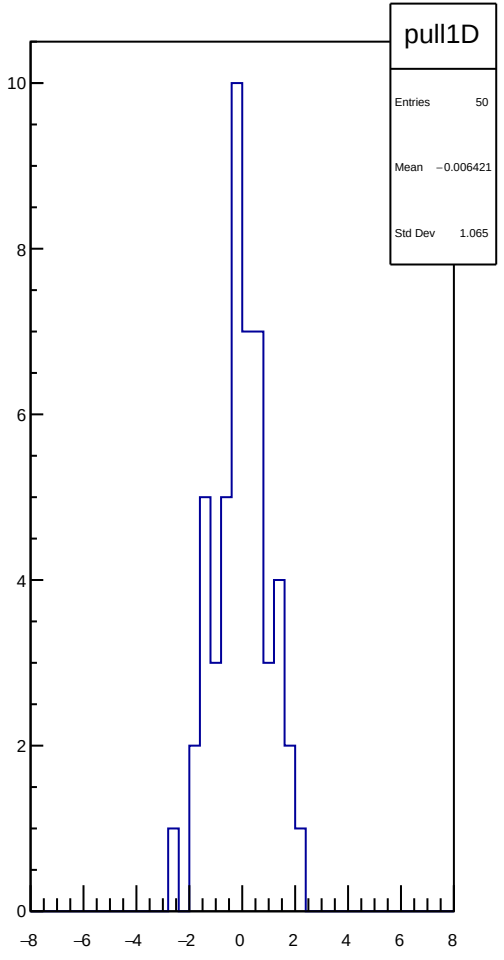
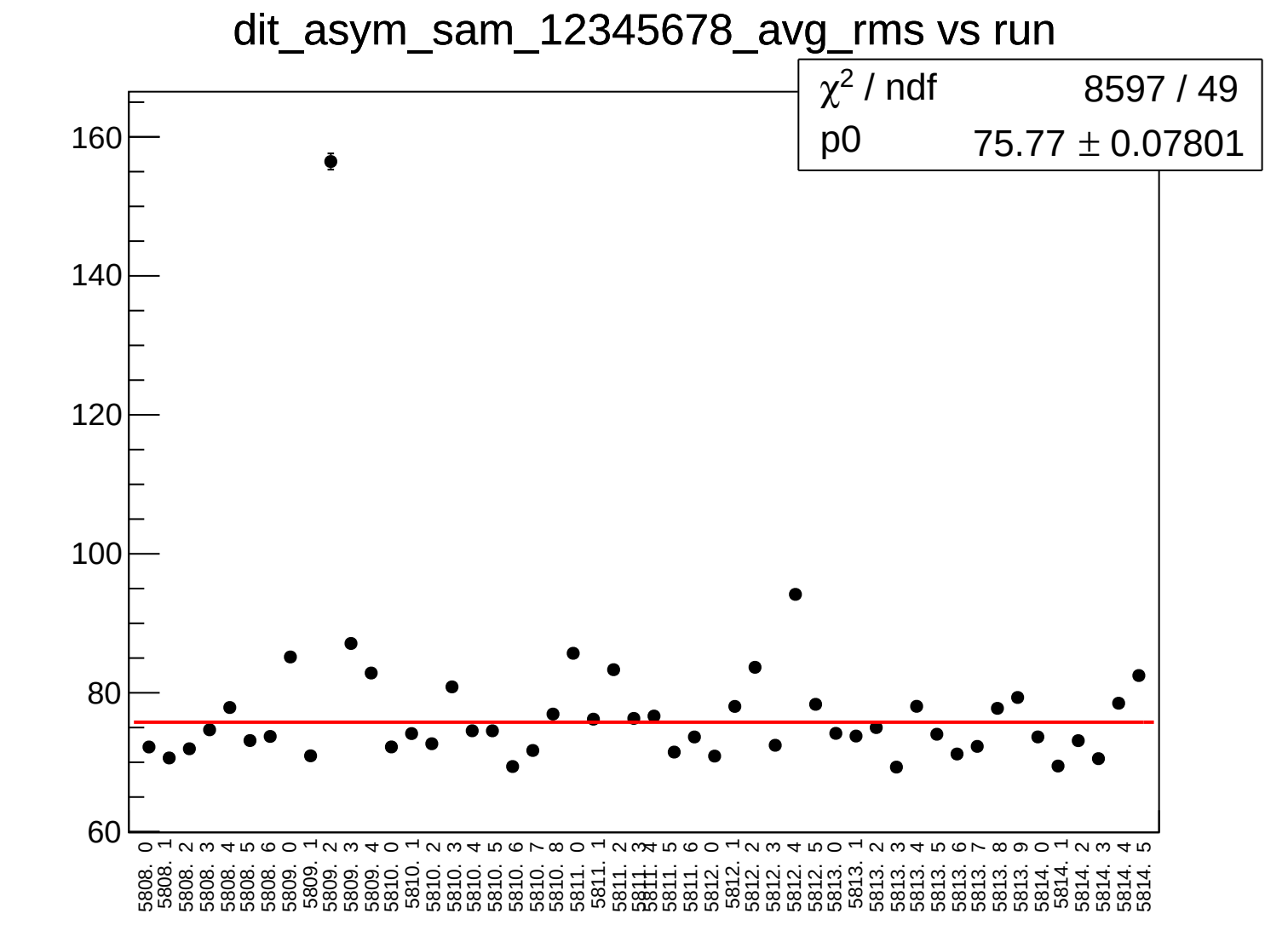
5814. 4
5814. 5


dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 56.74 / 49
p0 −260.2 ± 110.3
pull
Entries 50
Mean −427.5
Std Dev 0


pull1D
Entries 50
Mean −0.006421
Std Dev 1.065


dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8597 / 49
p0 75.77 ± 0.07801
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
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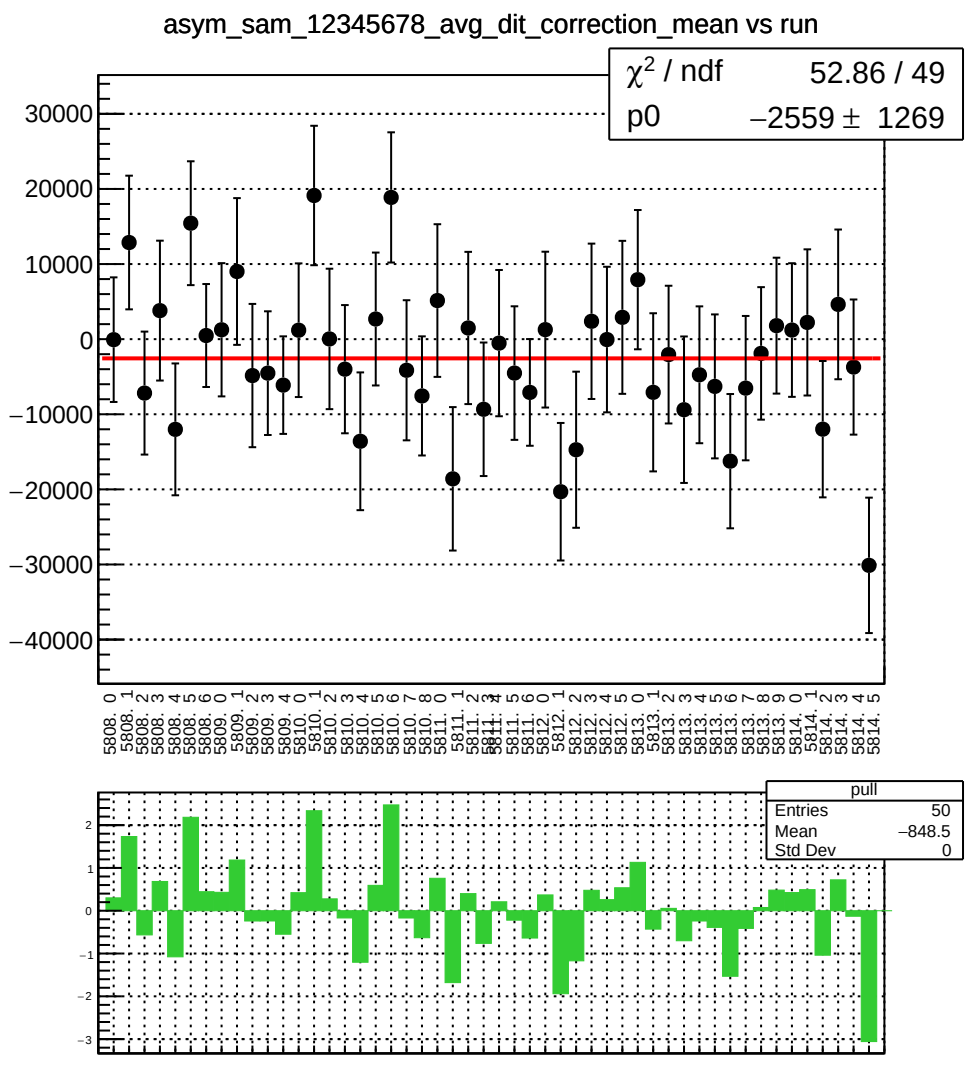
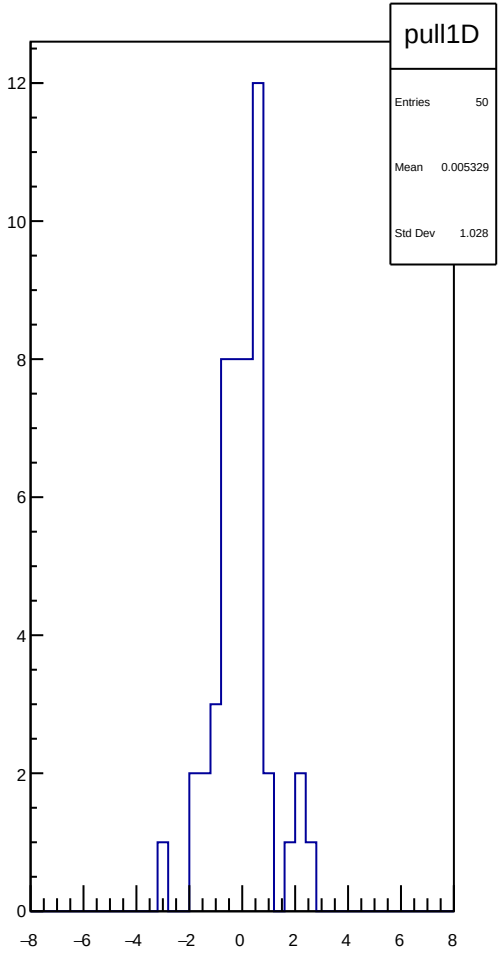
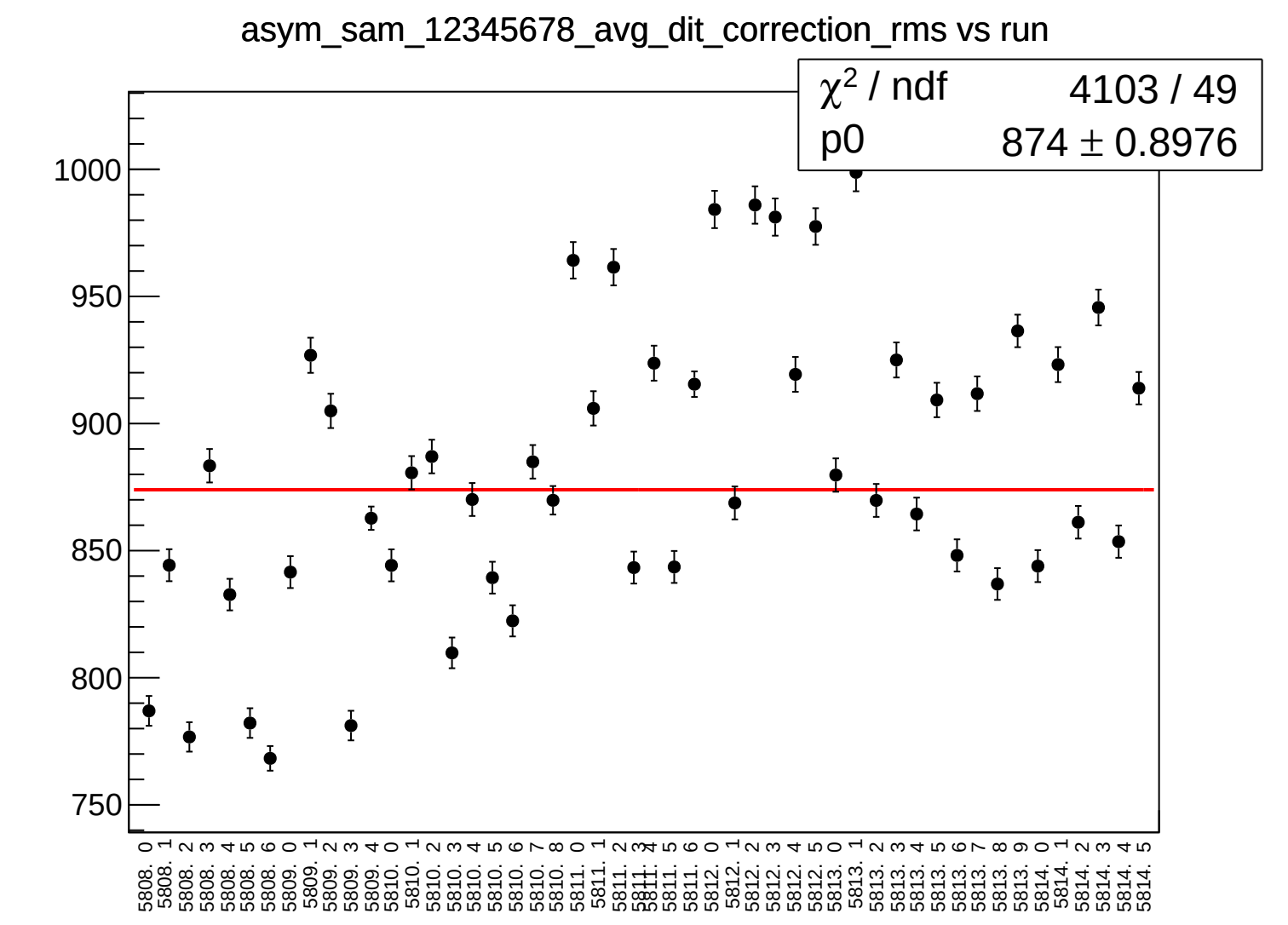
5814. 5


asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 52.86 / 49
p0 −2559 ± 1269
pull
Entries 50
Mean −848.5
Std Dev 0


pull1D
Entries 50
Mean 0.005329
Std Dev 1.028


asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 4103 / 49
p0 874 ± 0.8976
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
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5812. 2
5812. 3
5812. 4
5812. 5
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5814. 2
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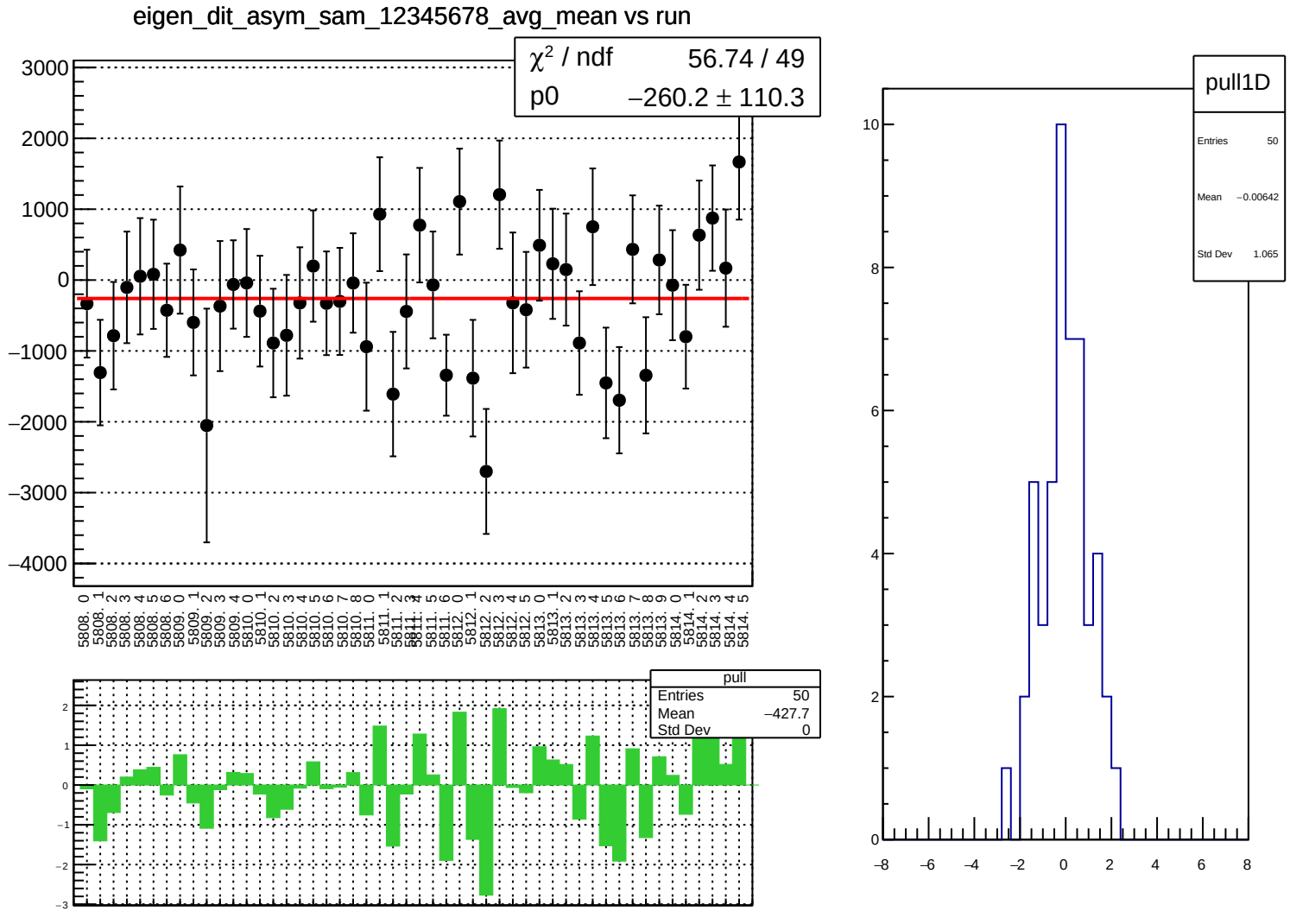
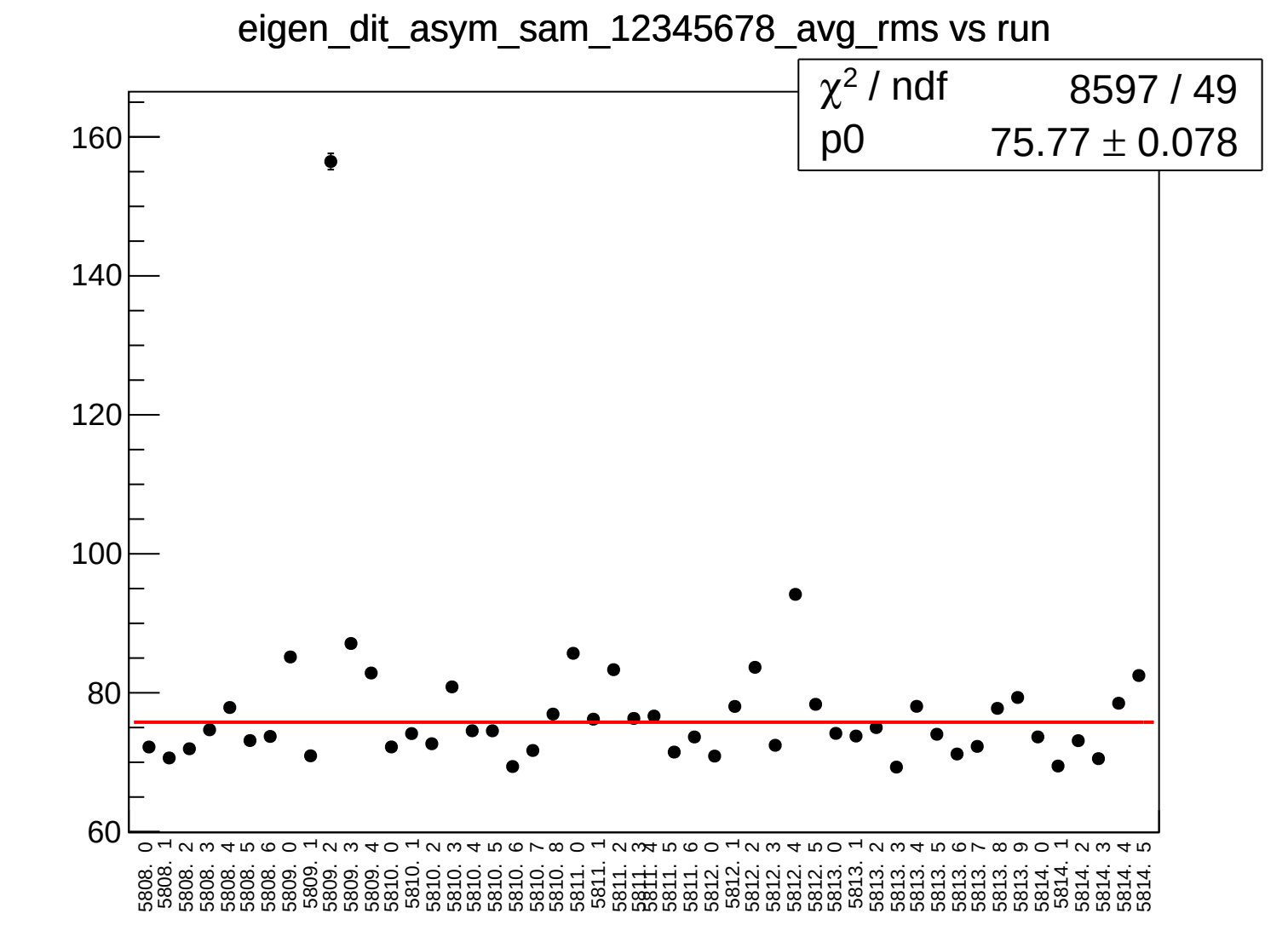
5814. 5


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 56.74 / 49
p0 −260.2 ± 110.3
pull
Entries 50
Mean −427.7
Std Dev 0
pull1D
Entries 50
Mean −0.00642
Std Dev 1.065


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 8597 / 49
p0 75.77 ± 0.078
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 2
5812. 3
5812. 4
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5813. 8
5813. 9
5814. 0
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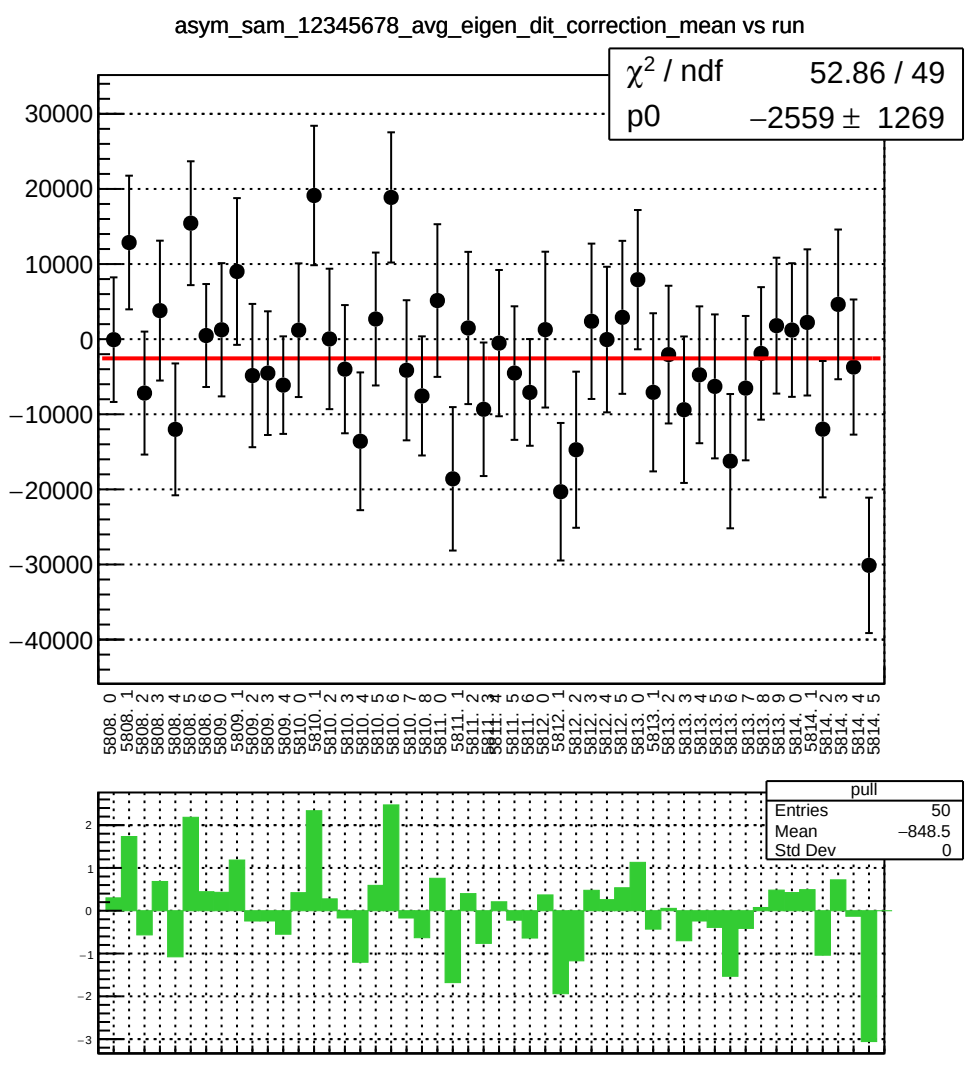
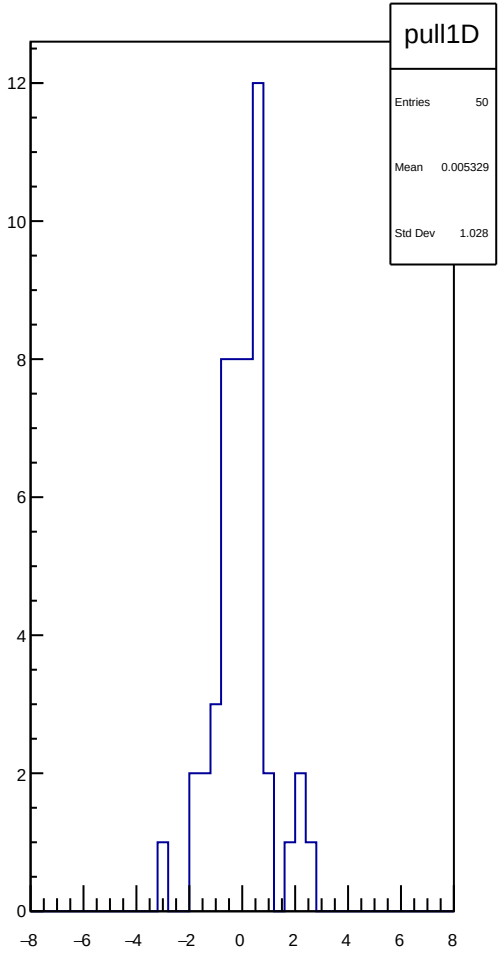
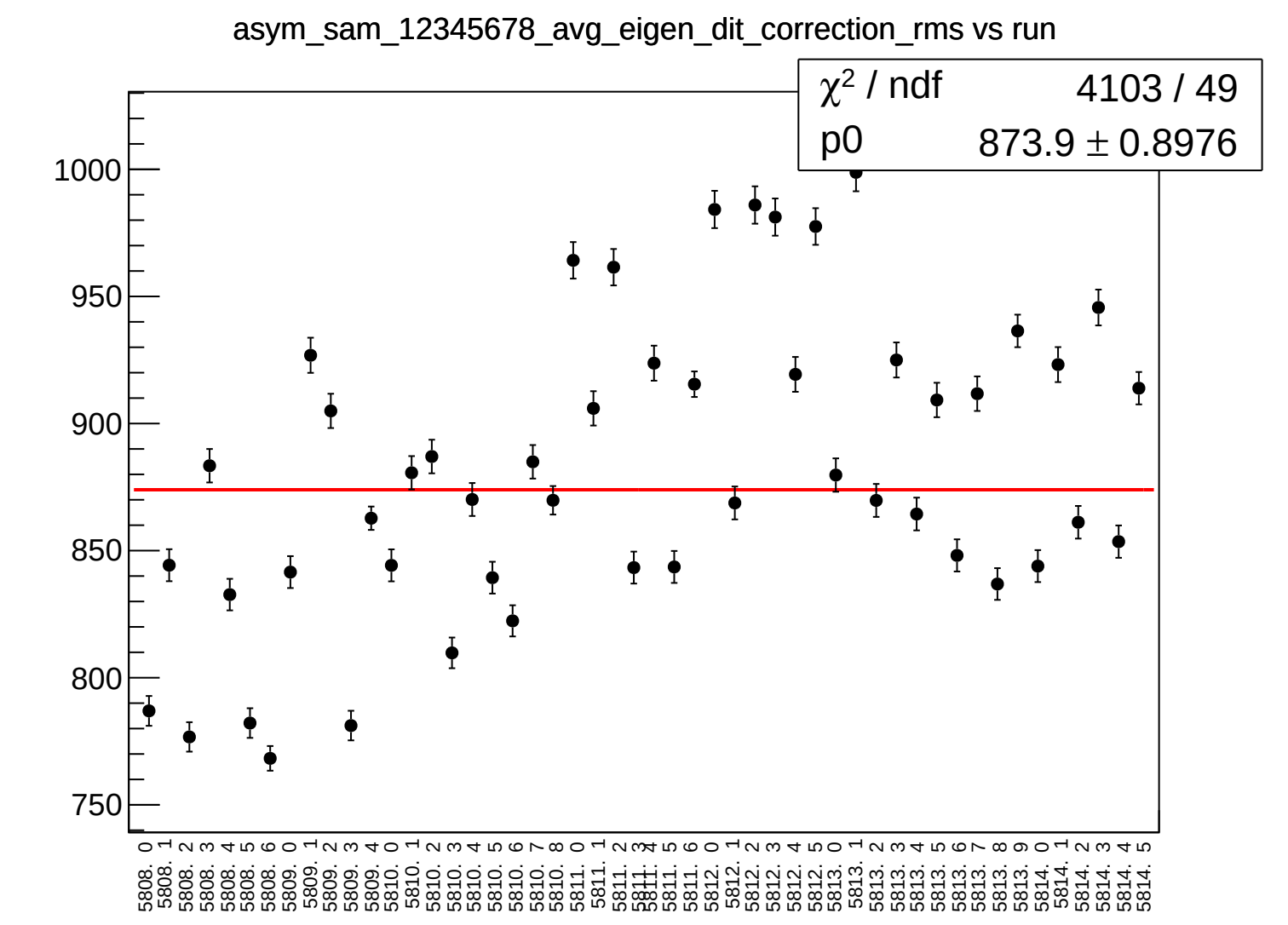
5814. 4
5814. 5


asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 52.86 / 49
p0 −2559 ± 1269
pull
Entries 50
Mean −848.5
Std Dev 0


pull1D
Entries 50
Mean 0.005329
Std Dev 1.028


asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 4103 / 49
p0 873.9 ± 0.8976
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
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5812. 4
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5813. 2
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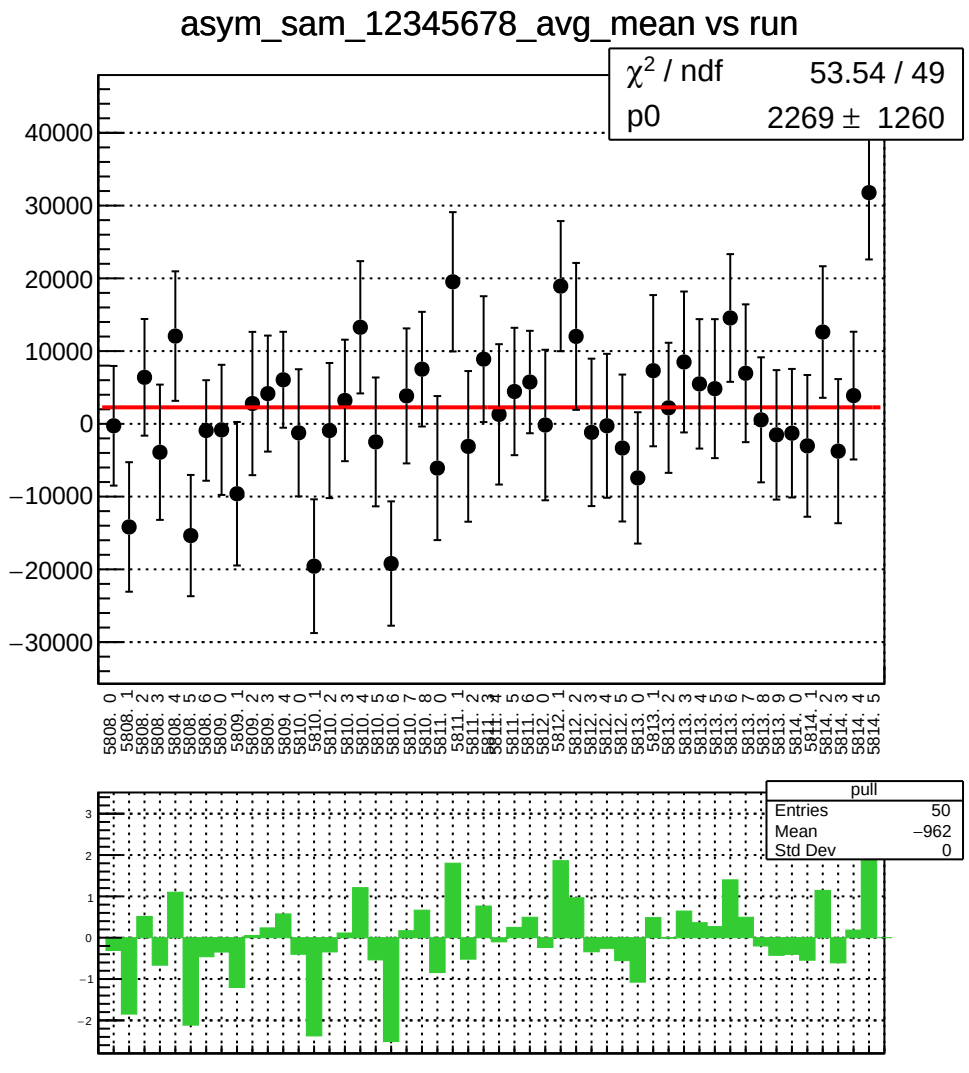
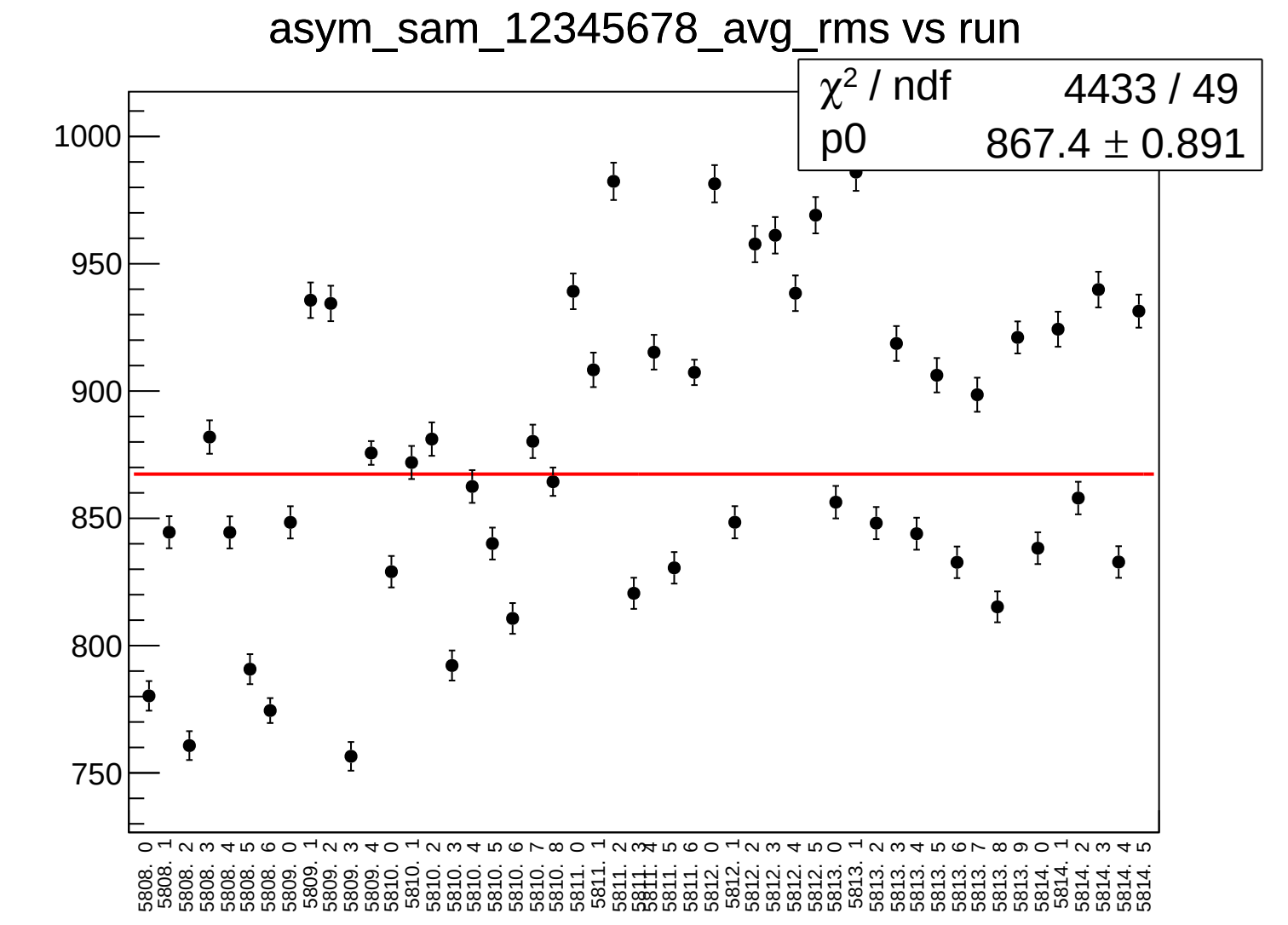
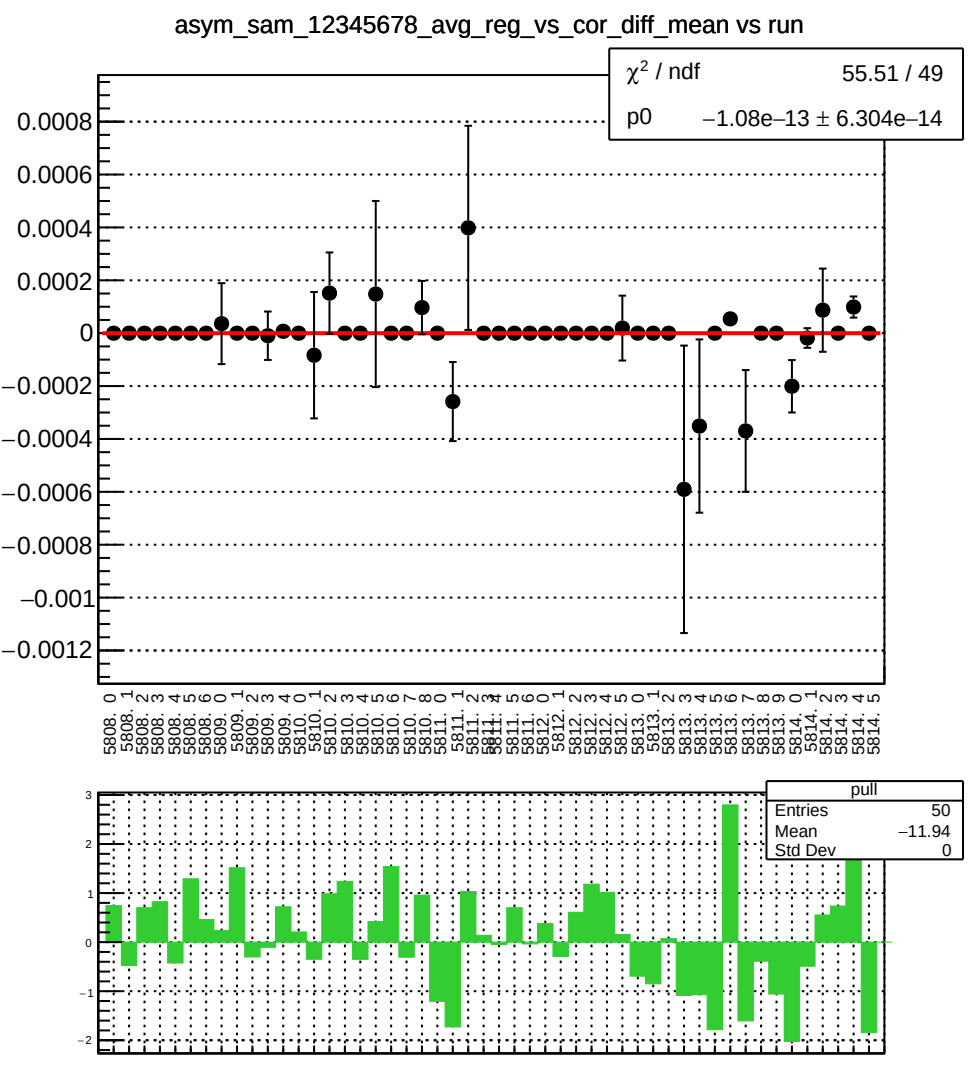
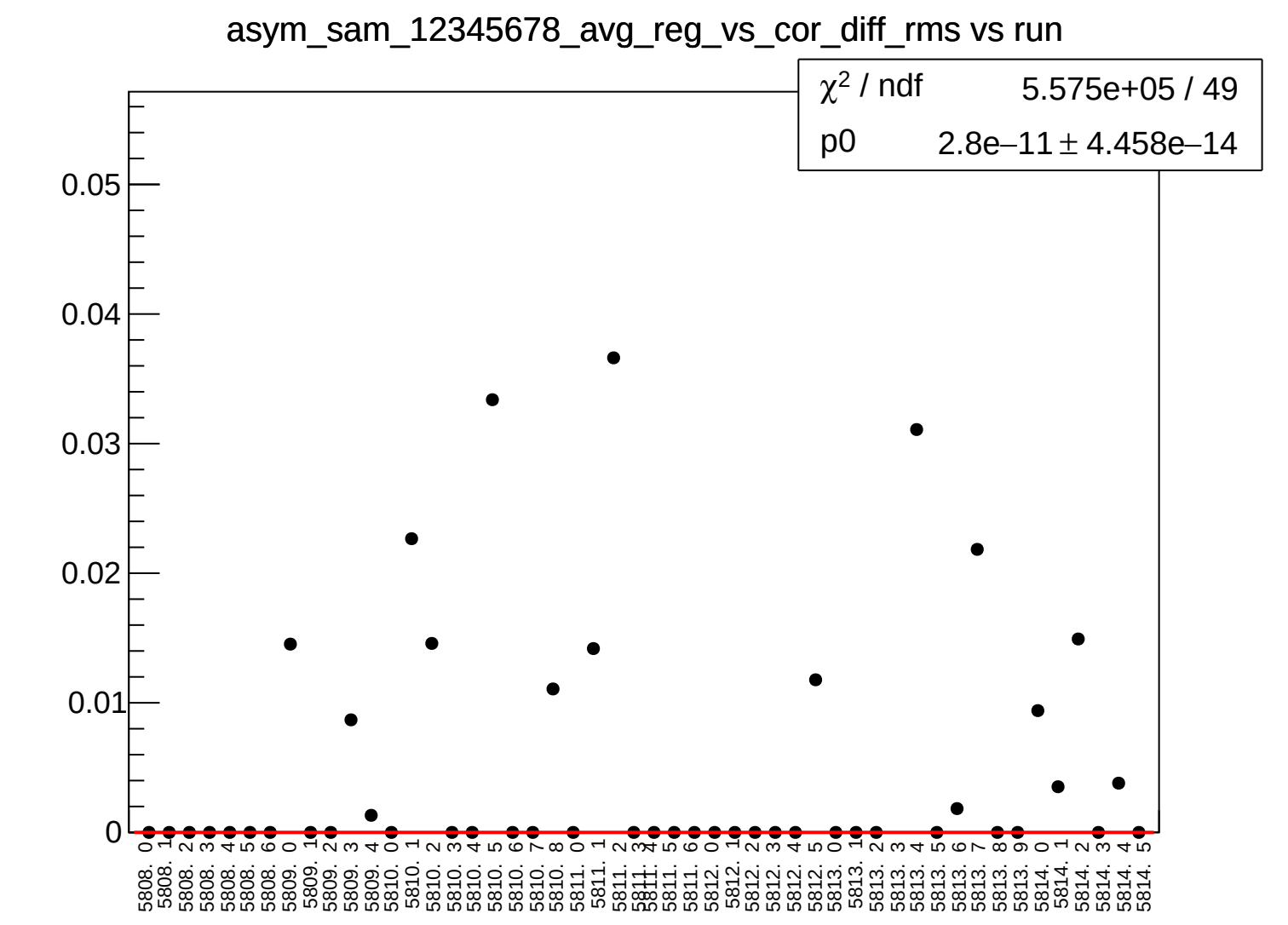
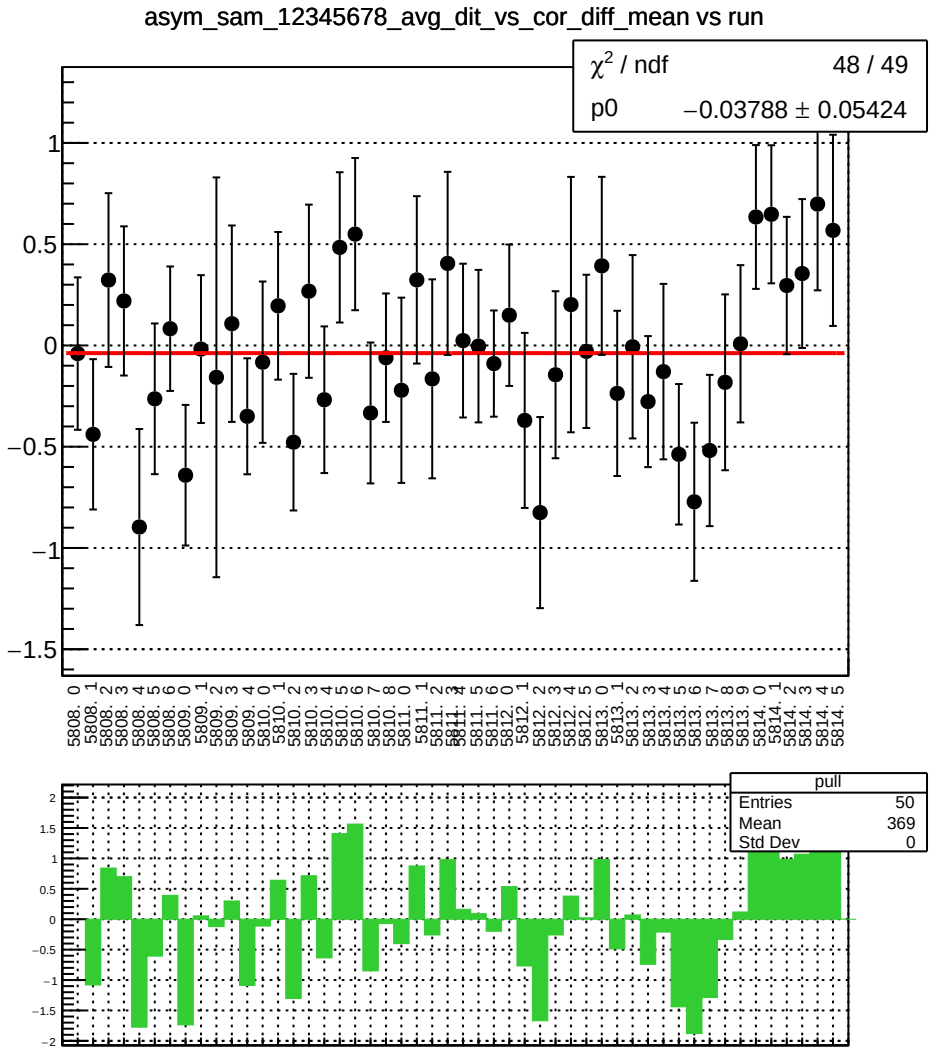
5814. 4
5814. 5

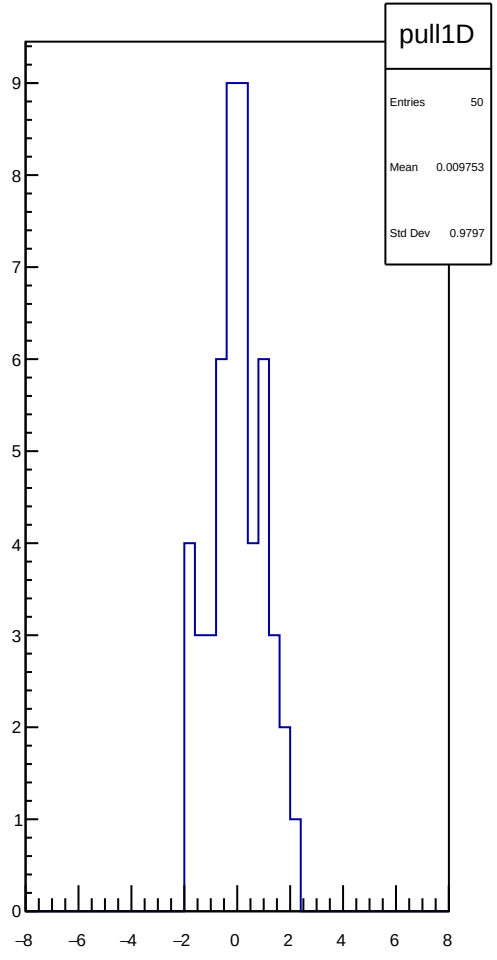

asym_sam_12345678_avg_mean vs run
χ² / ndf 53.54 / 49
p0 2269 ± 1260
40000
30000
20000
10000
0
−10000
−20000
−30000
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −962
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.00497
Std Dev 1.035
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

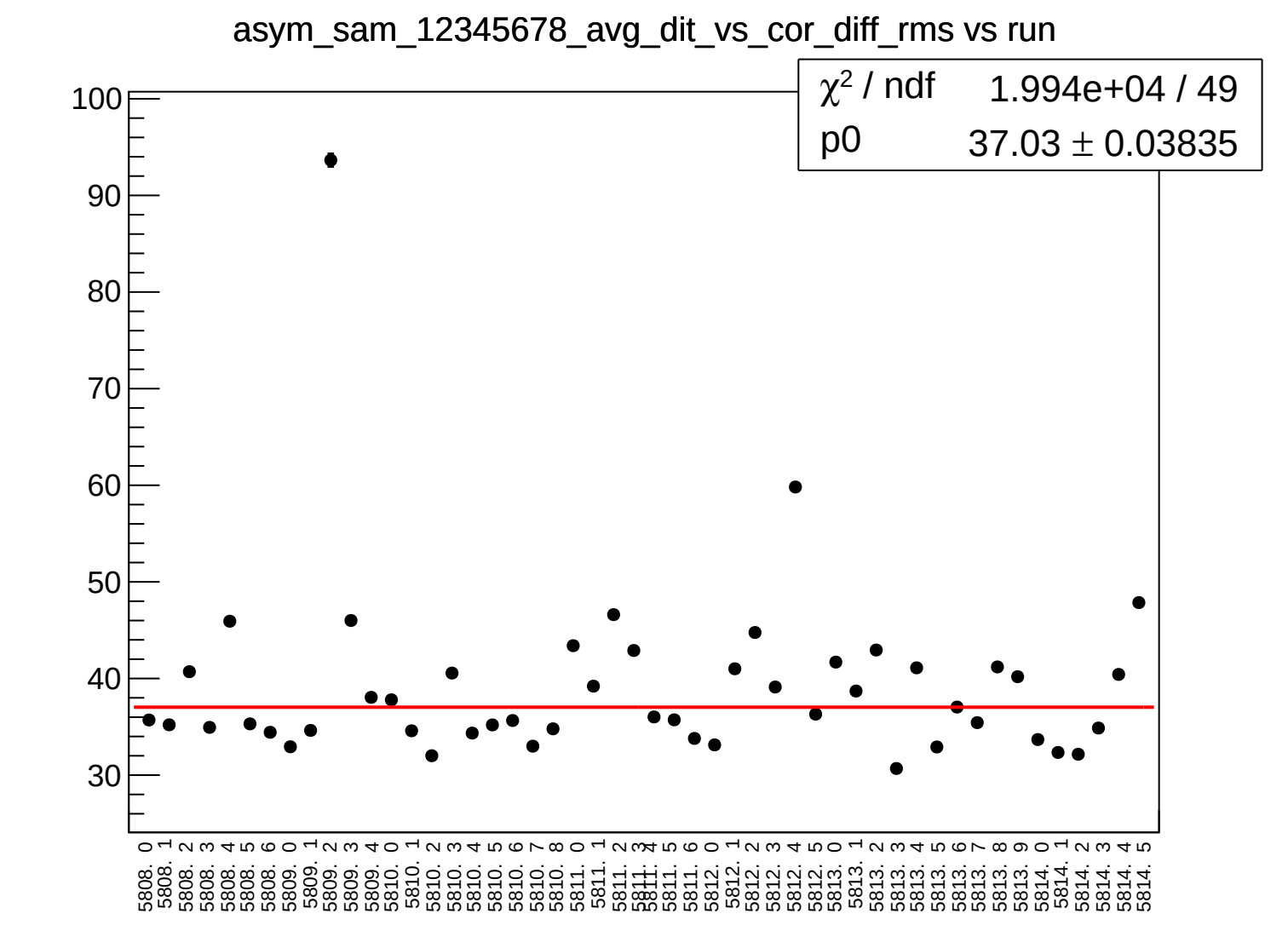

asym_sam_12345678_avg_rms vs run
χ² / ndf 4433 / 49
p0 867.4 ± 0.891
1000
950
900
850
800
750
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

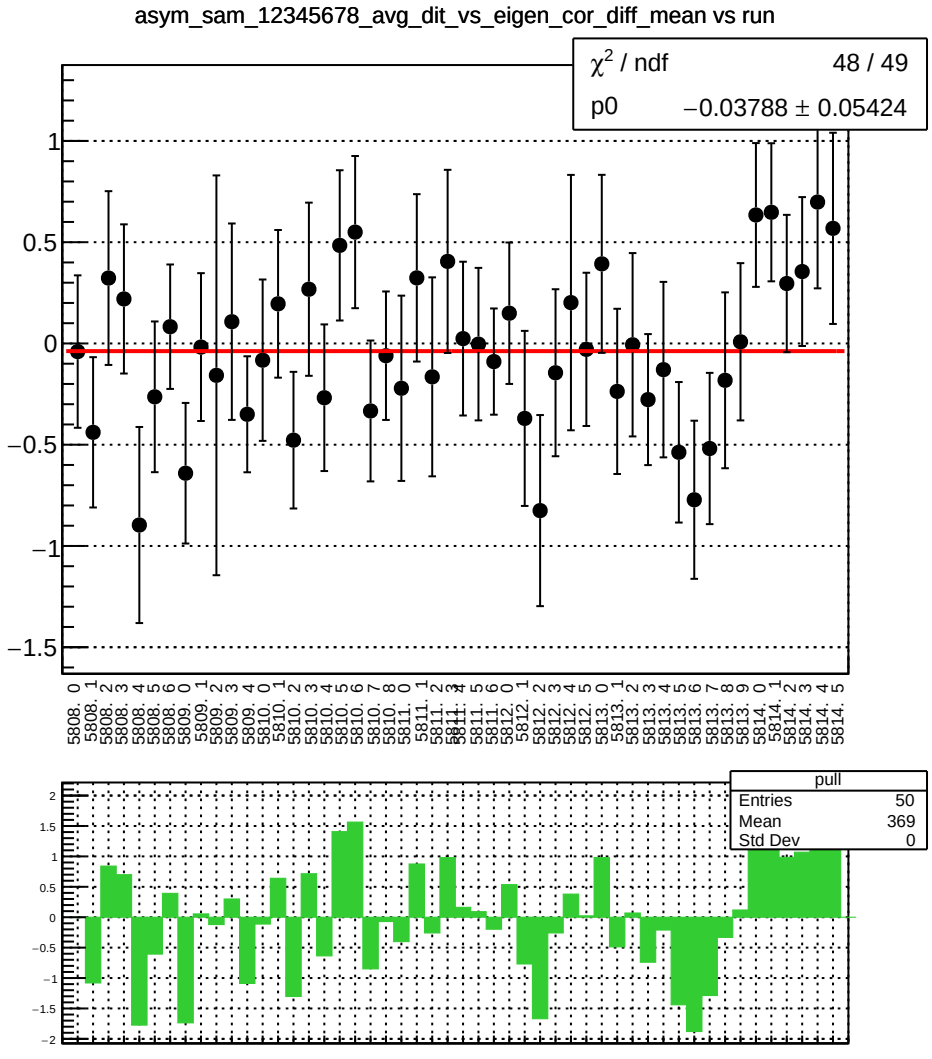

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.51 / 49
p0 −1.08e−13 ± 6.304e−14
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −11.94
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.103
Std Dev 1.049
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

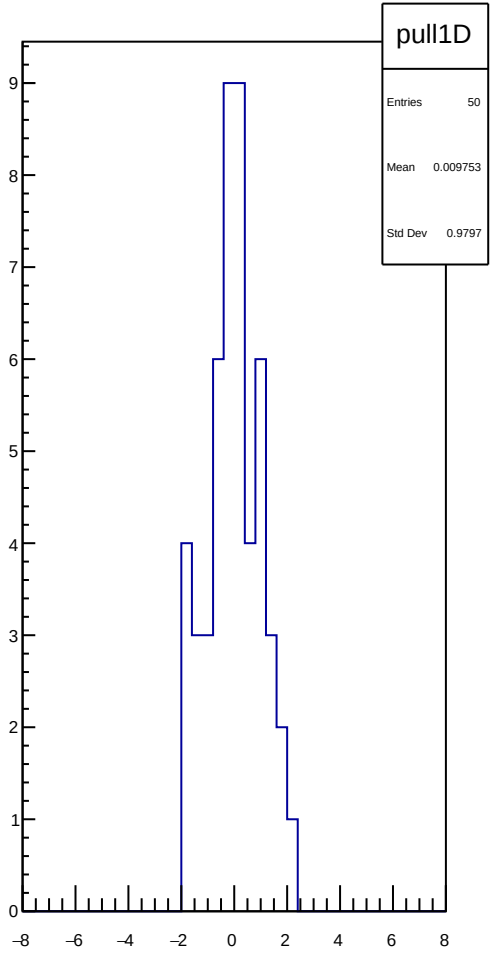

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 5.575e+05 / 49
p0 2.8e−11 ± 4.458e−14
0.05
0.04
0.03
0.02
0.01
0
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

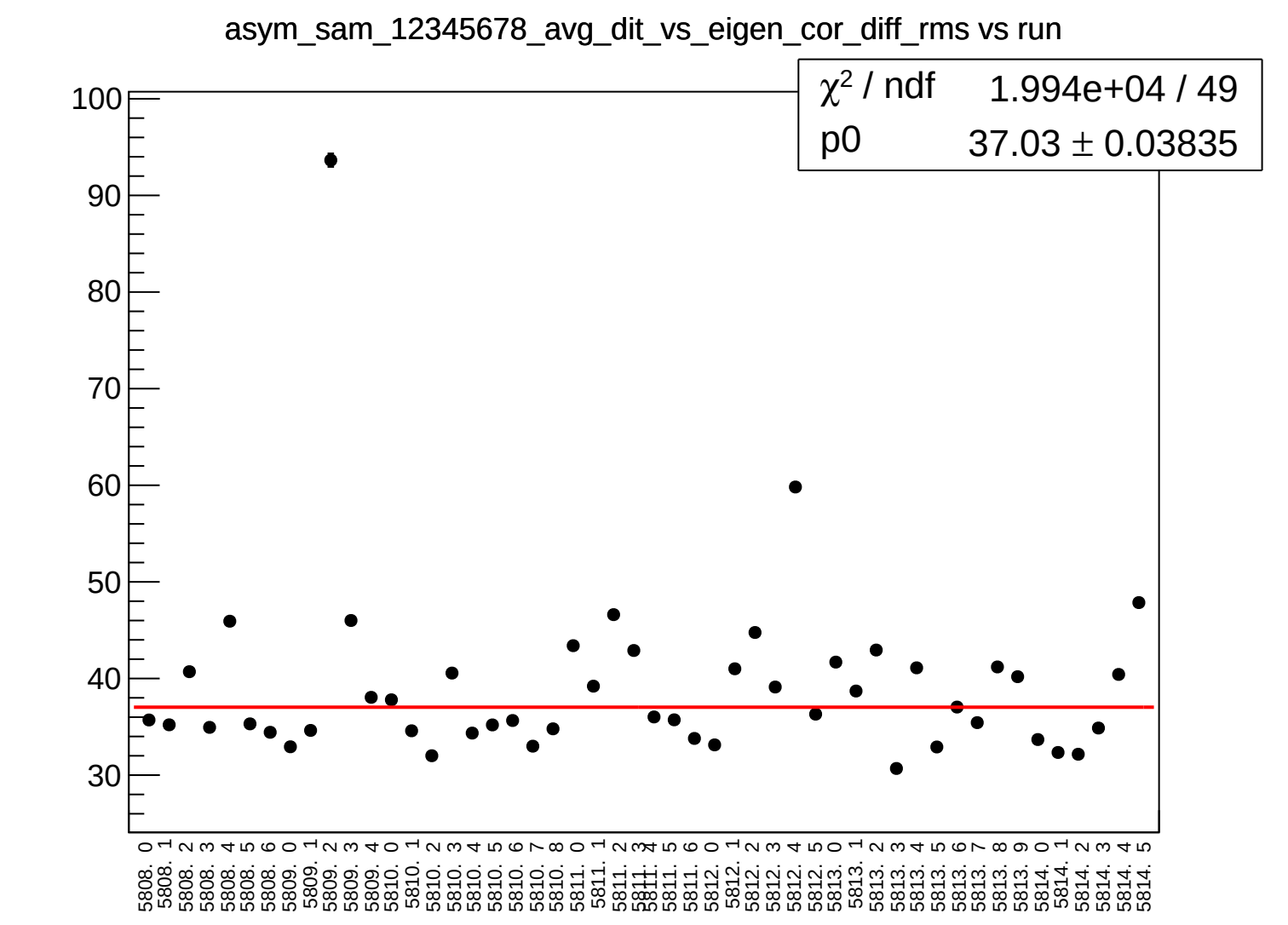

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48 / 49
p0 −0.03788 ± 0.05424
pull
Entries 50
Mean 369
Std Dev 0

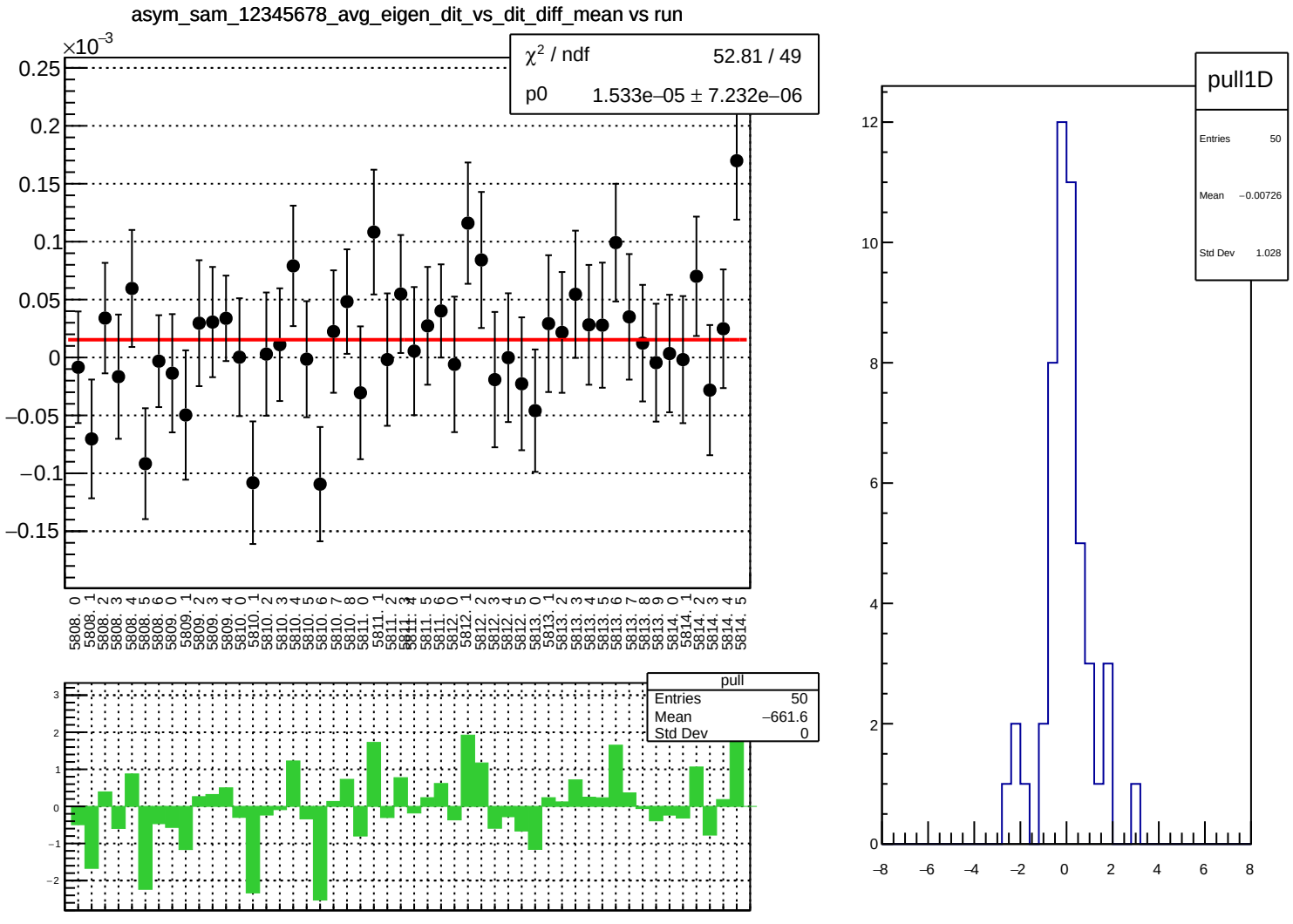

pull1D
Entries 50
Mean 0.009753
Std Dev 0.9797

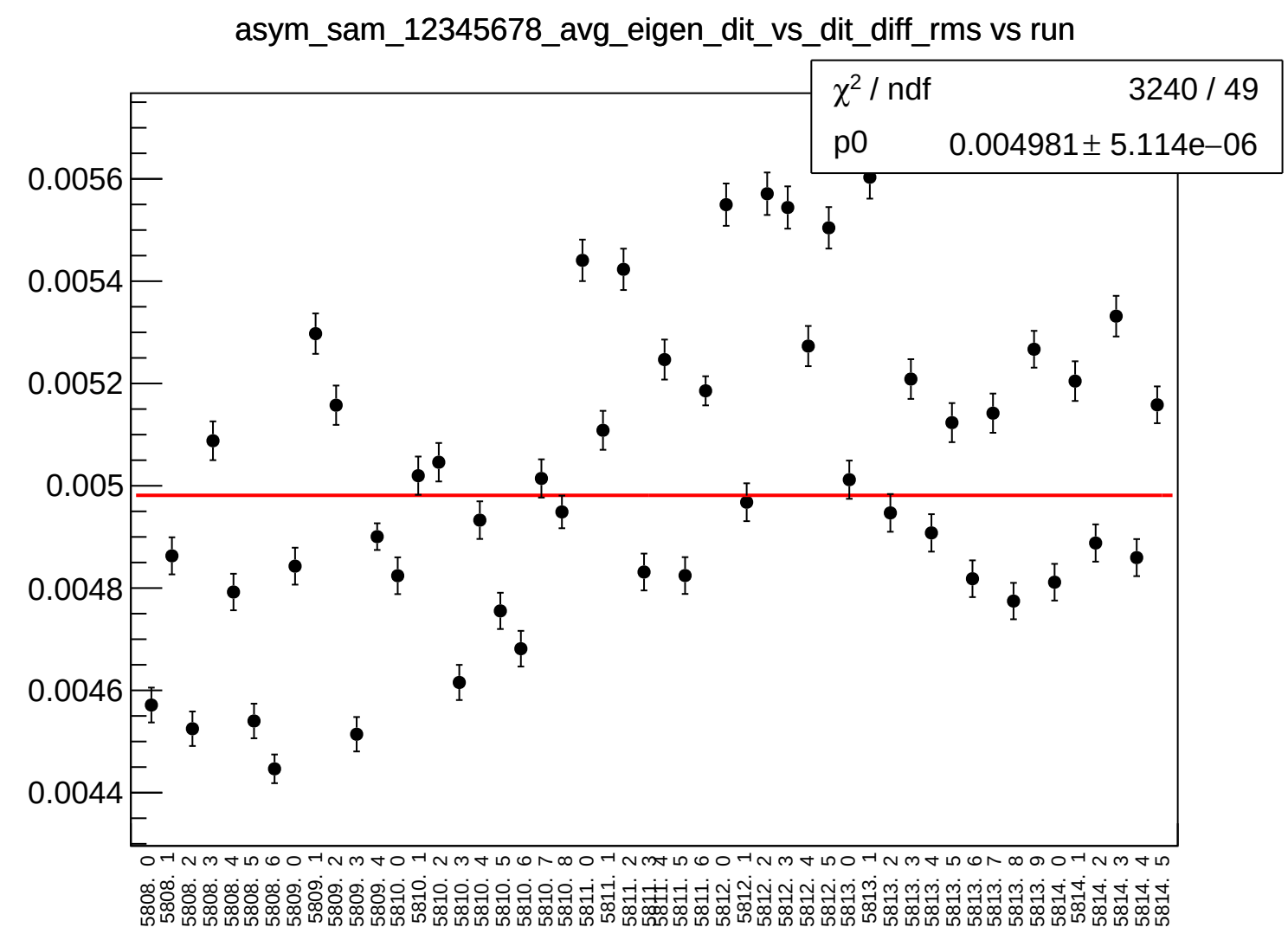

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.994e+04 / 49
p0 37.03 ± 0.03835
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

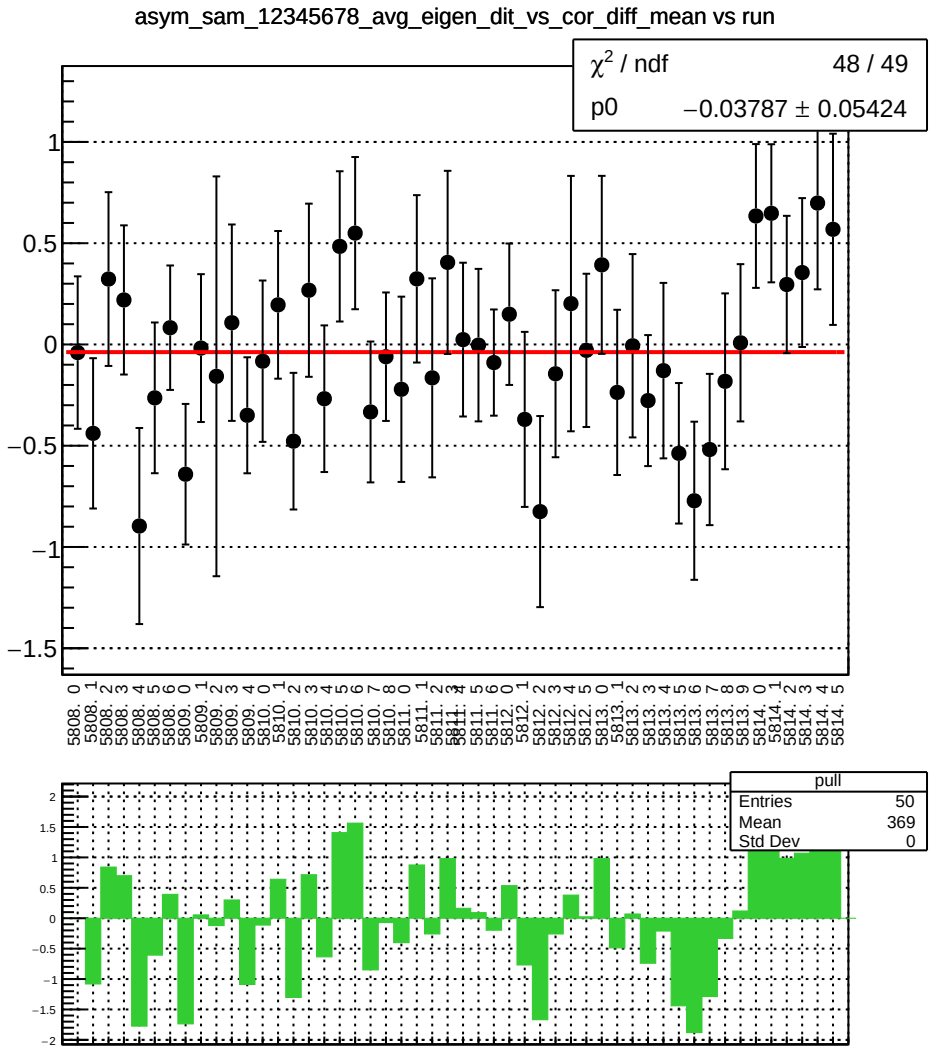

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48 / 49
p0 −0.03788 ± 0.05424
pull
Entries 50
Mean 369
Std Dev 0

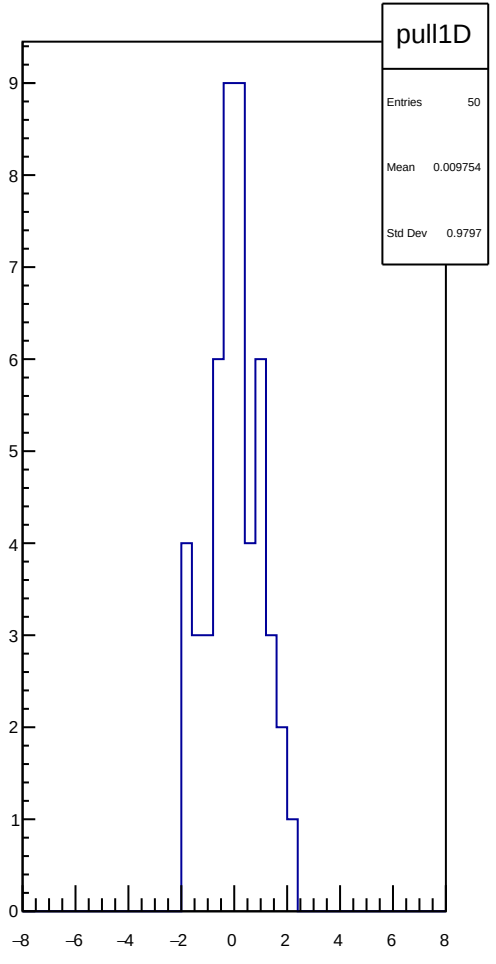

pull1D
Entries 50
Mean 0.009753
Std Dev 0.9797

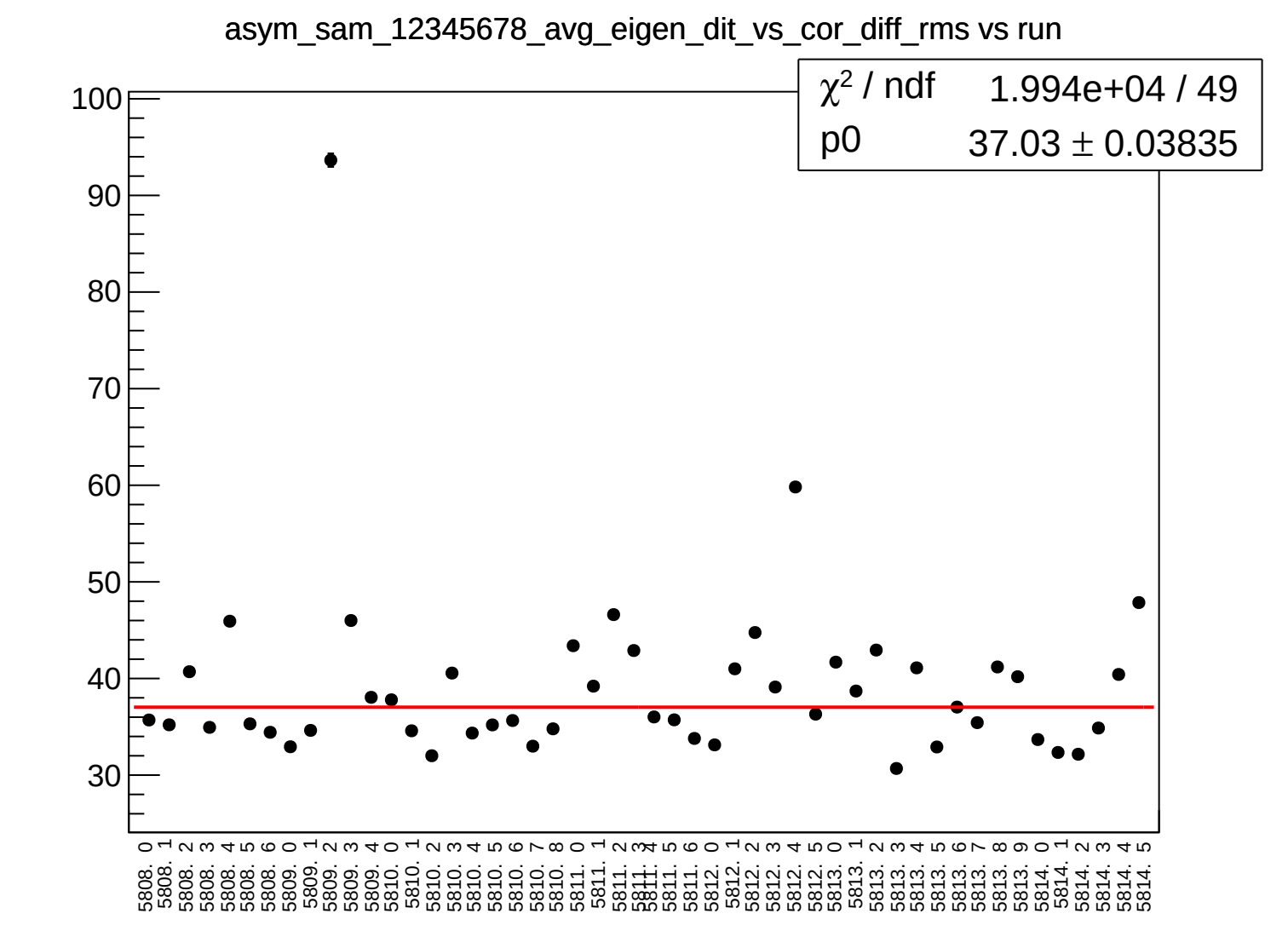

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.994e+04 / 49
p0 37.03 ± 0.03835
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

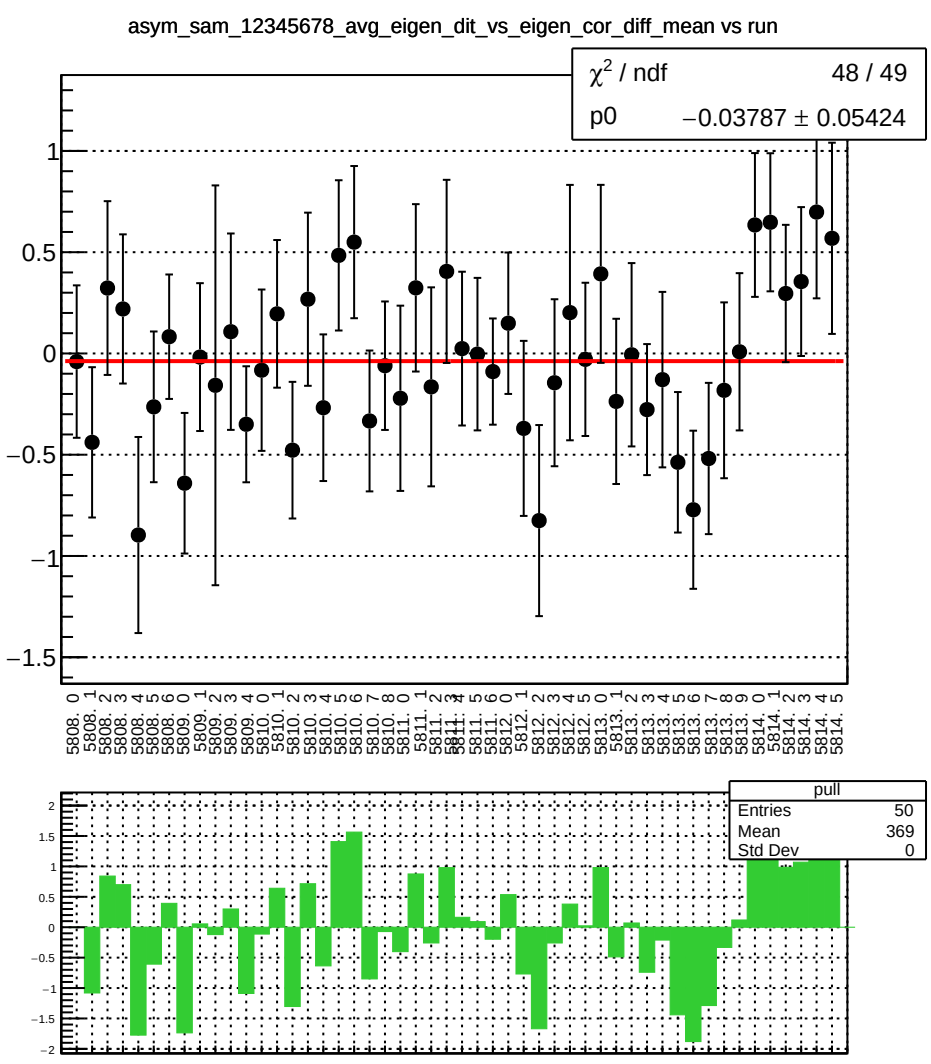

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 52.81 / 49
p0 1.533e−05 ± 7.232e−06
0.25
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −661.6
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 50
Mean −0.00726
Std Dev 1.028
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

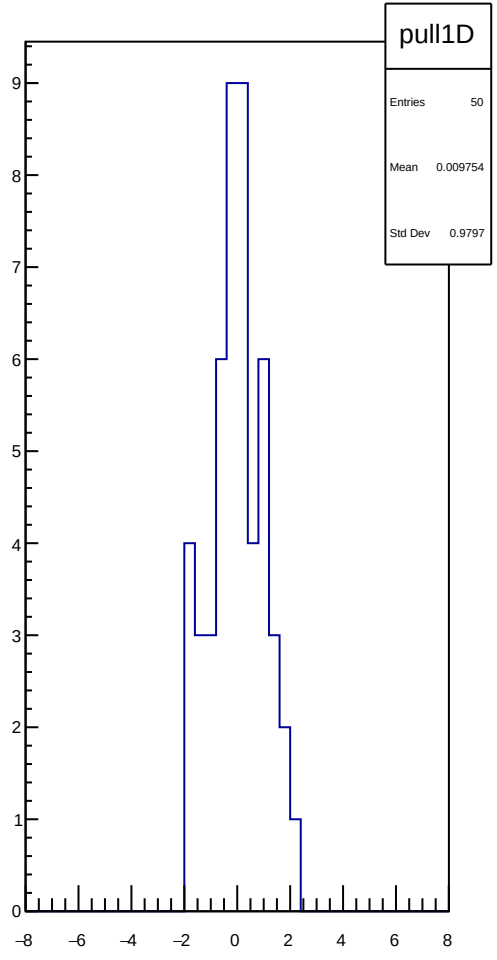

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3240 / 49
p0 0.004981 ± 5.114e−06
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

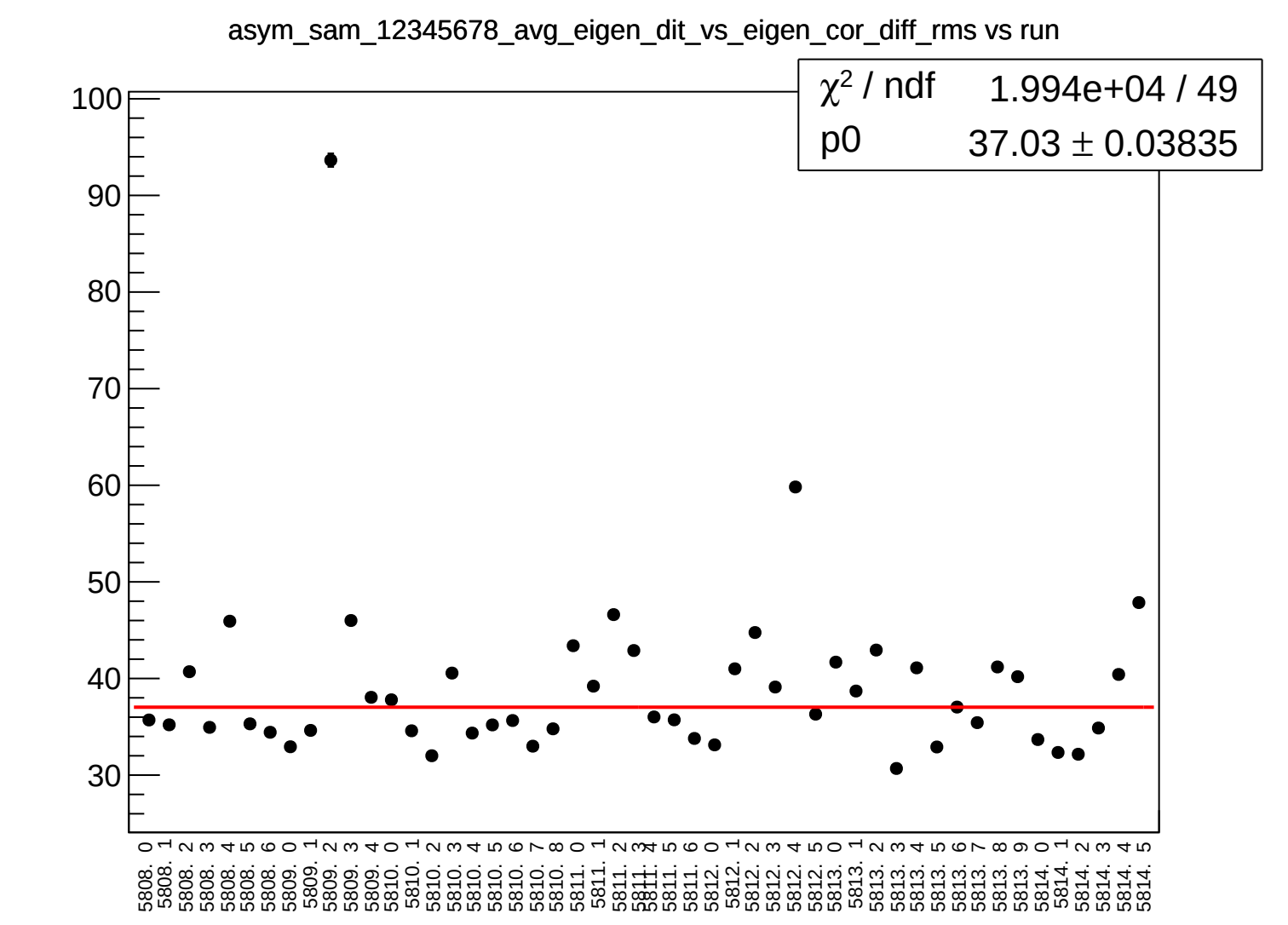

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48 / 49
p0 −0.03787 ± 0.05424
pull
Entries 50
Mean 369
Std Dev 0

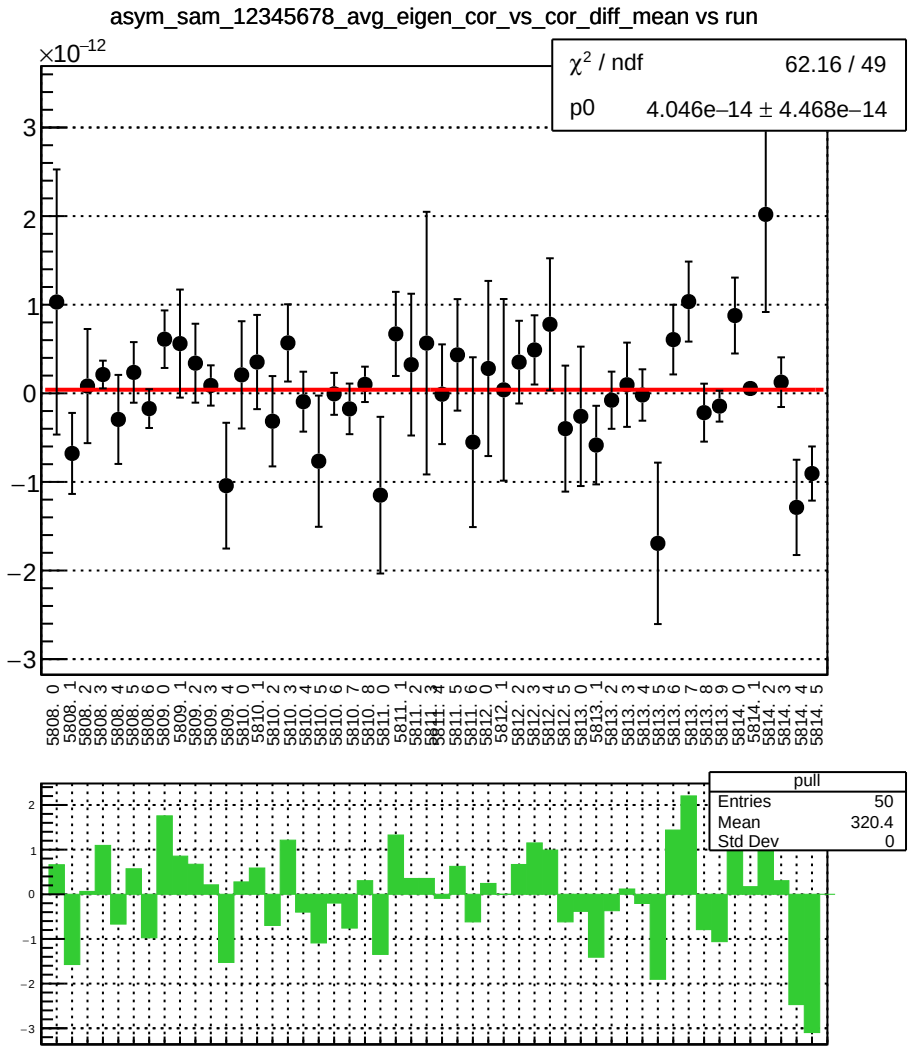

pull1D
Entries 50
Mean 0.009754
Std Dev 0.9797

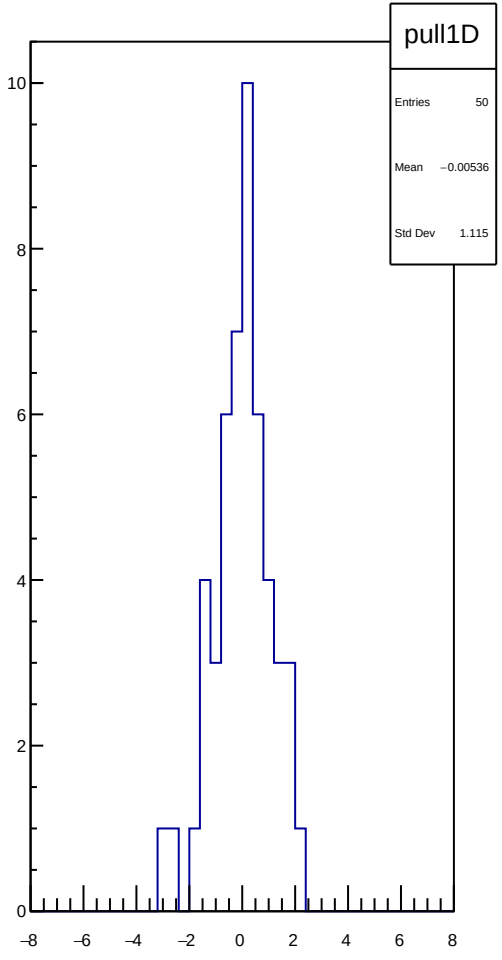

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.994e+04 / 49
p0 37.03 ± 0.03835
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

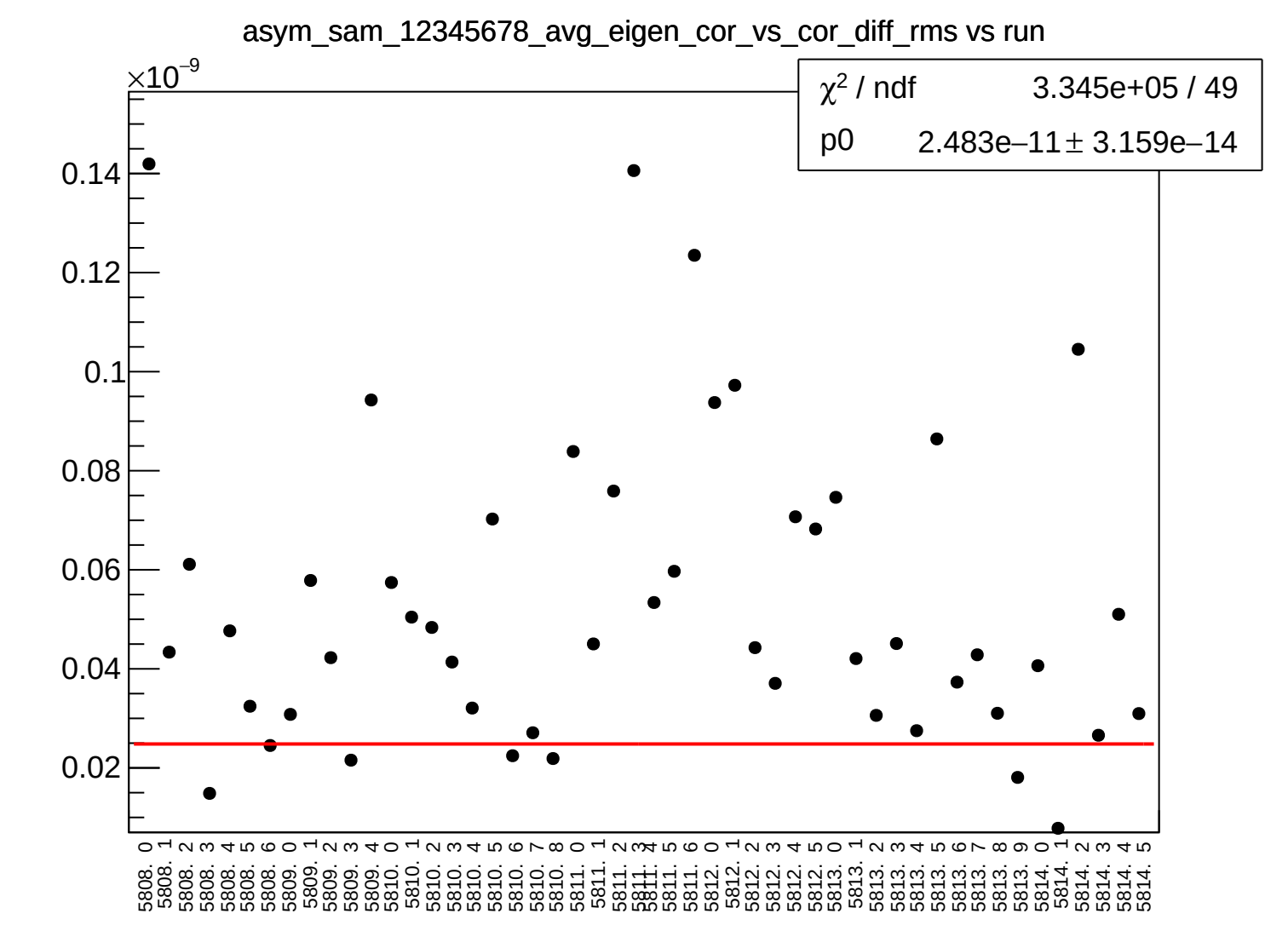

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48 / 49
p0 −0.03787 ± 0.05424
pull
Entries 50
Mean 369
Std Dev 0

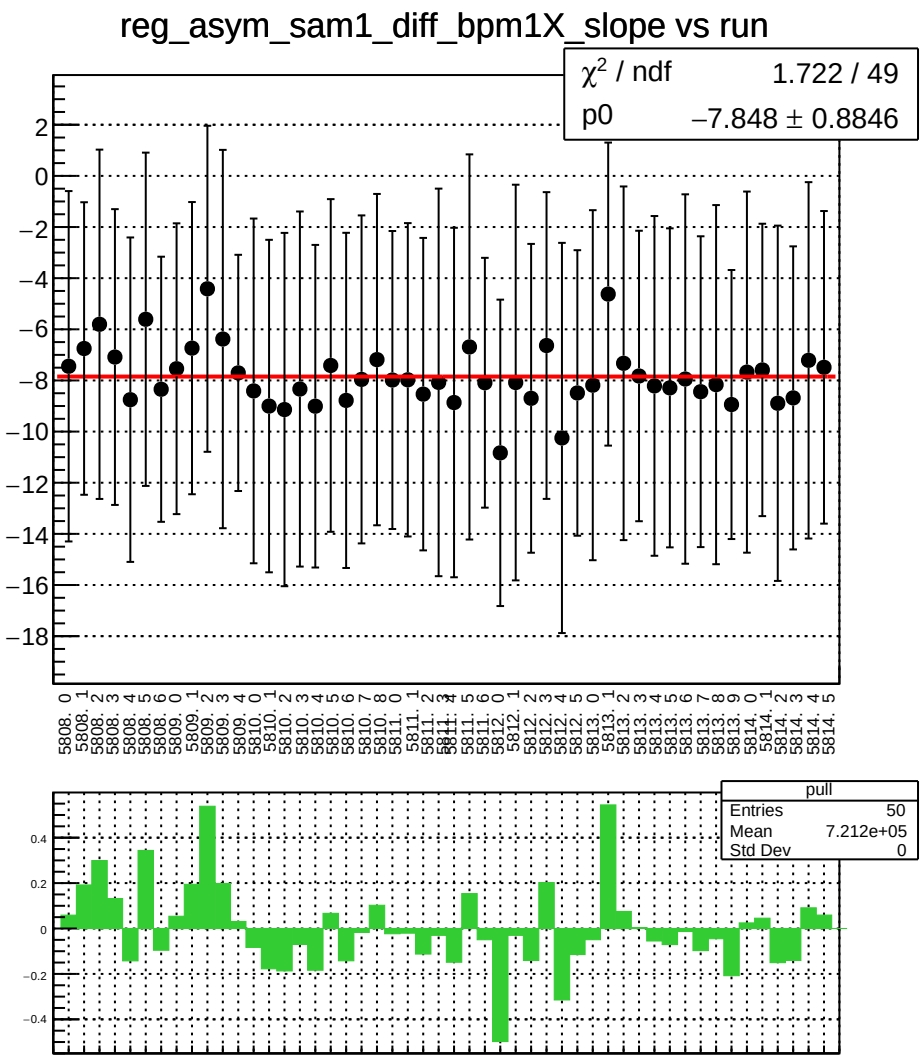

pull1D
Entries 50
Mean 0.009754
Std Dev 0.9797

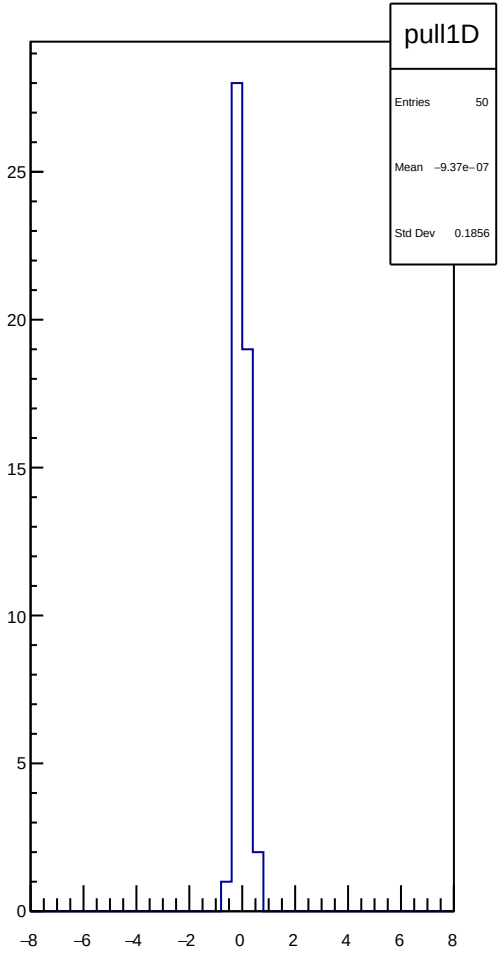

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.994e+04 / 49
p0 37.03 ± 0.03835
100
90
80
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

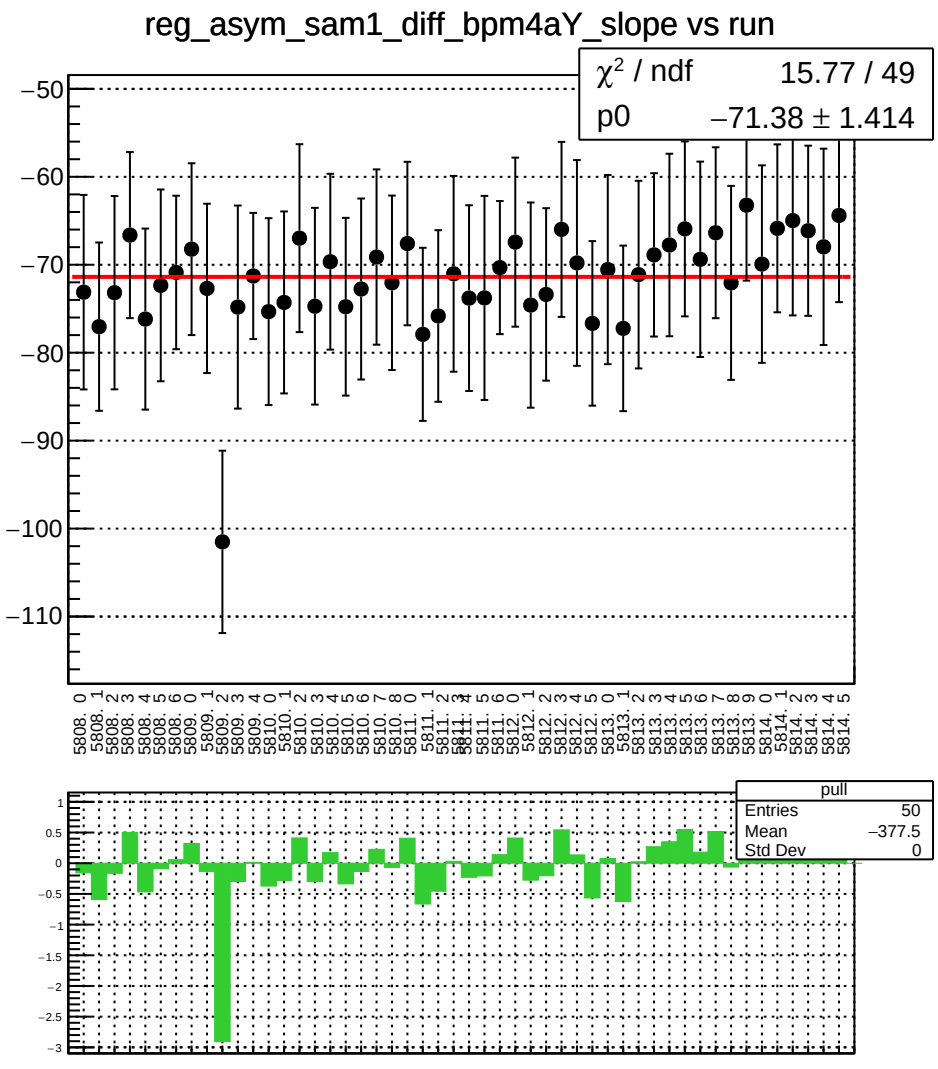

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 62.16 / 49
p0 4.046e−14 ± 4.468e−14
pull
Entries 50
Mean 320.4
Std Dev 0

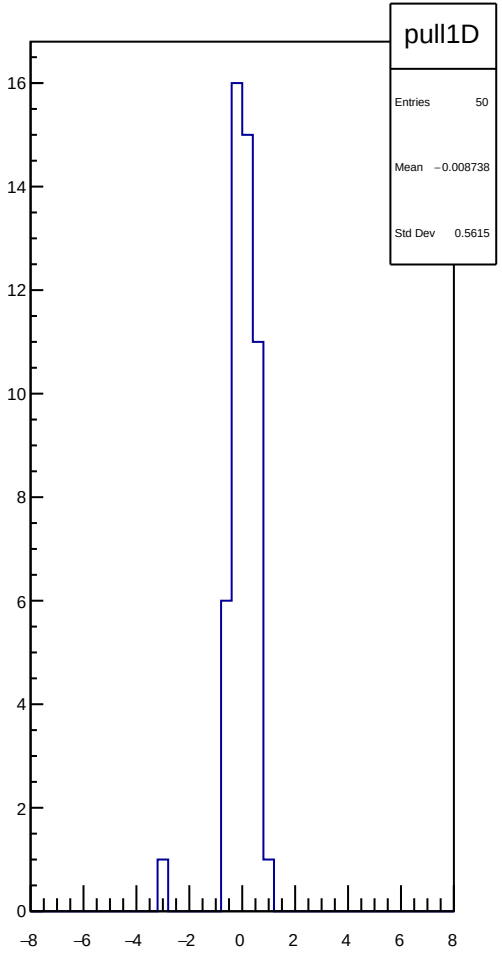

pull1D
Entries 50
Mean −0.00536
Std Dev 1.115

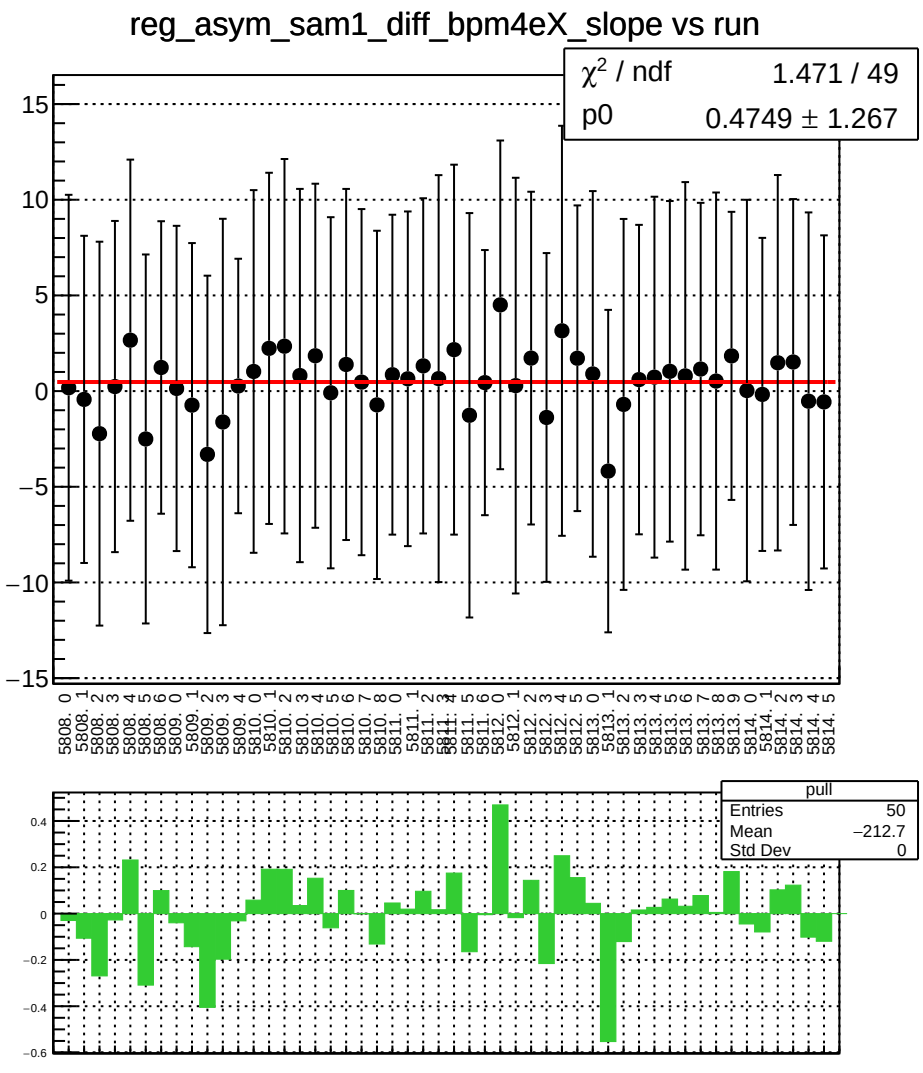

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.345e+05 / 49
p0 2.483e−11 ± 3.159e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5

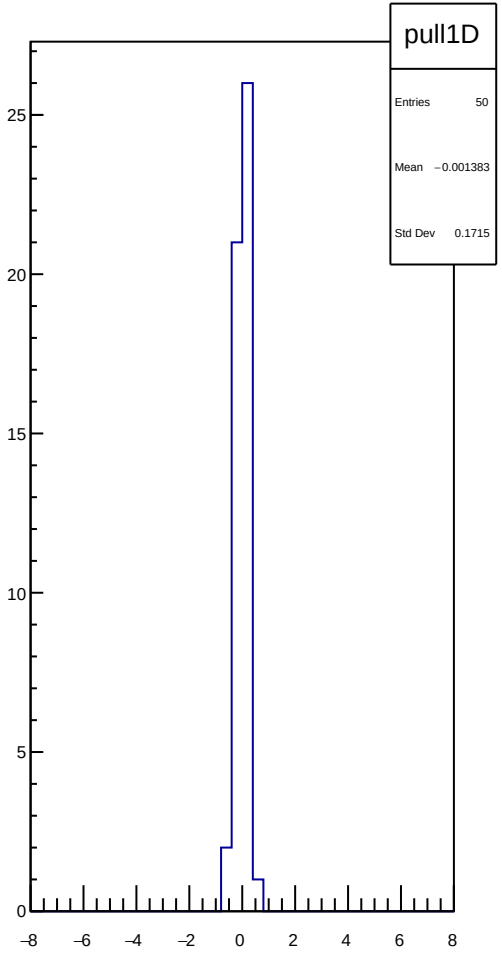

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 1.722 / 49
p0 −7.848 ± 0.8846
pull
Entries 50
Mean 7.212e+05
Std Dev 0

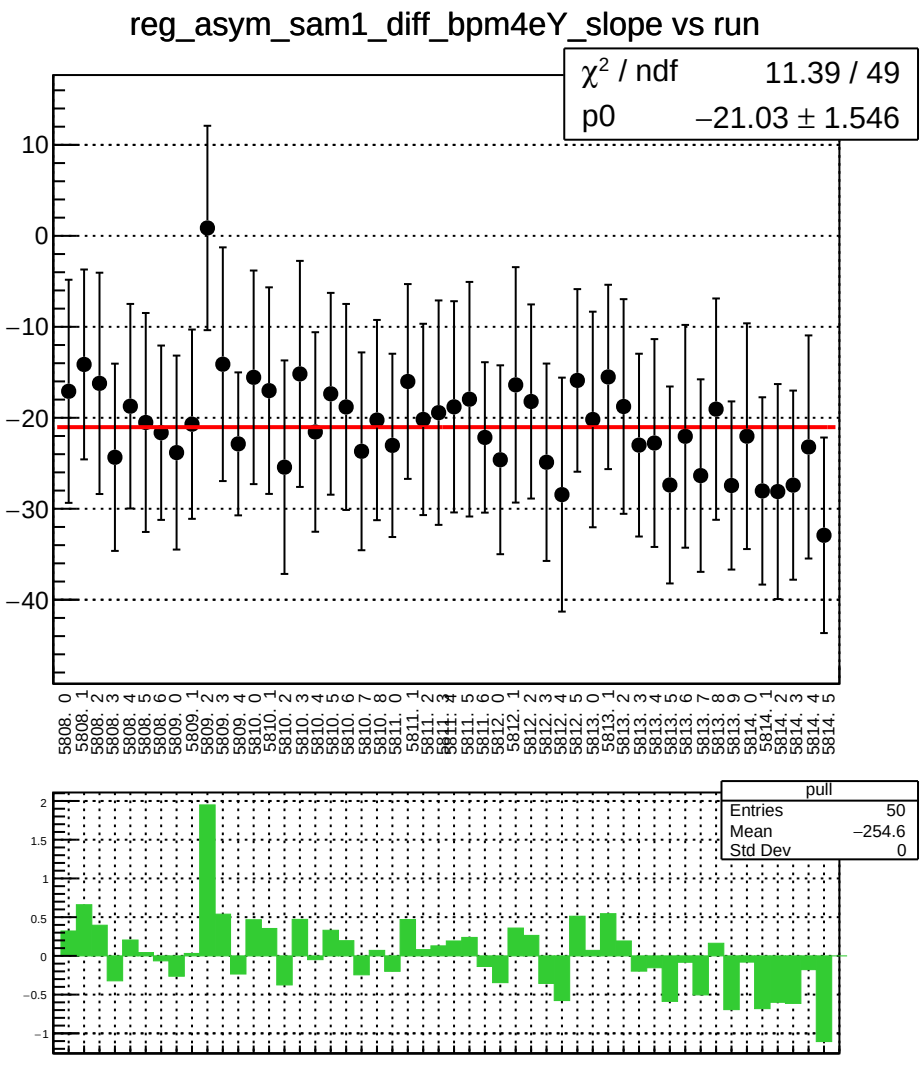

pull1D
Entries 50
Mean −9.37e−07
Std Dev 0.1856

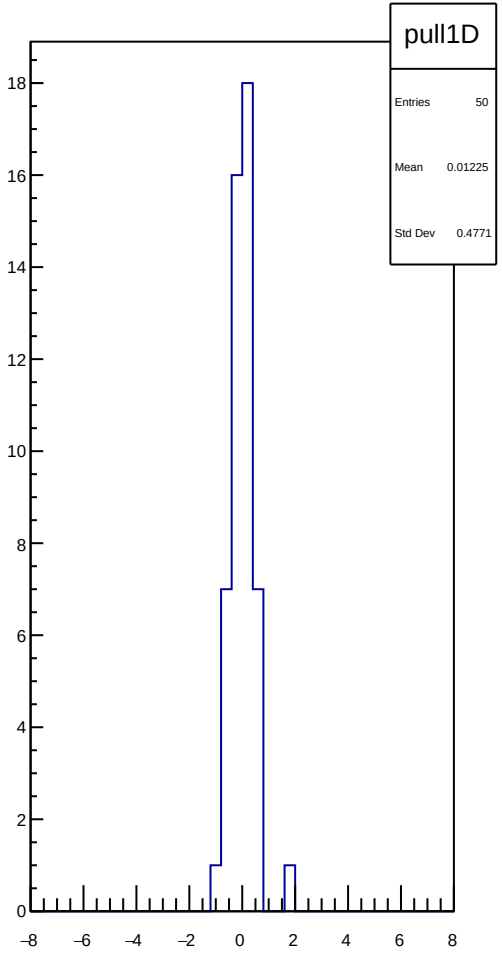

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 15.77 / 49
p0 −71.38 ± 1.414
pull
Entries 50
Mean −377.5
Std Dev 0

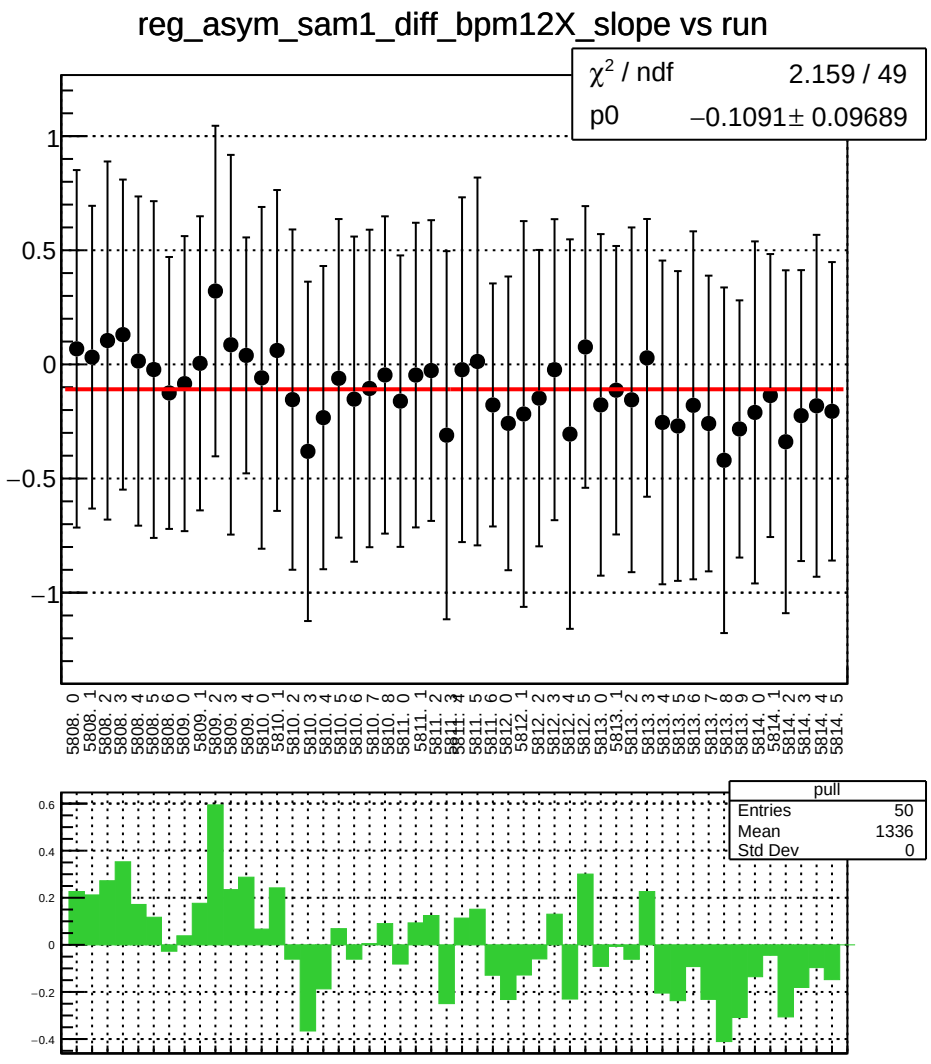

pull1D
Entries 50
Mean −0.008738
Std Dev 0.5615

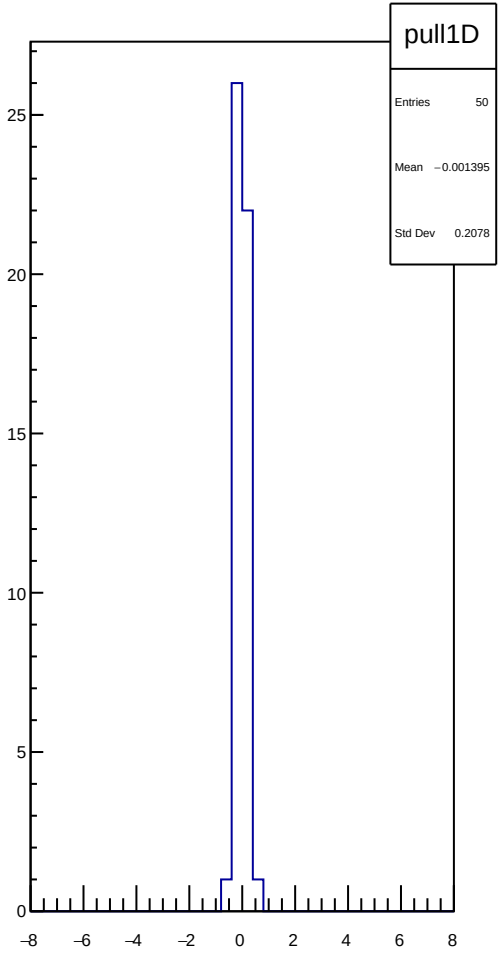

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.471 / 49
p0 0.4749 ± 1.267
pull
Entries 50
Mean −212.7
Std Dev 0

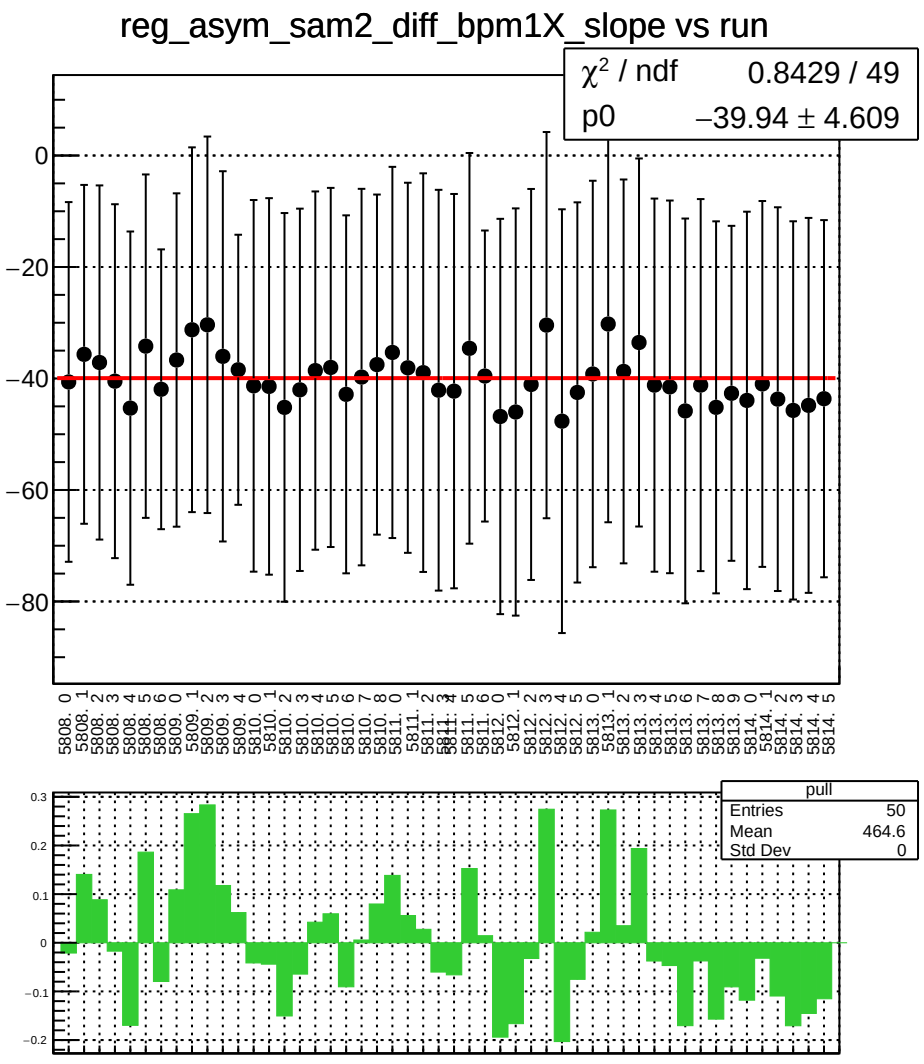

pull1D
Entries 50
Mean −0.001383
Std Dev 0.1715

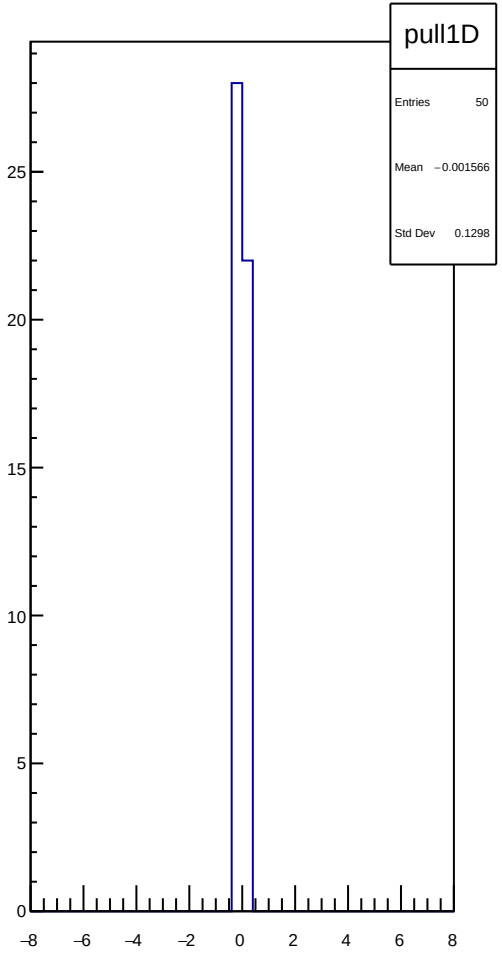

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 11.39 / 49
p0 −21.03 ± 1.546
pull
Entries 50
Mean −254.6
Std Dev 0

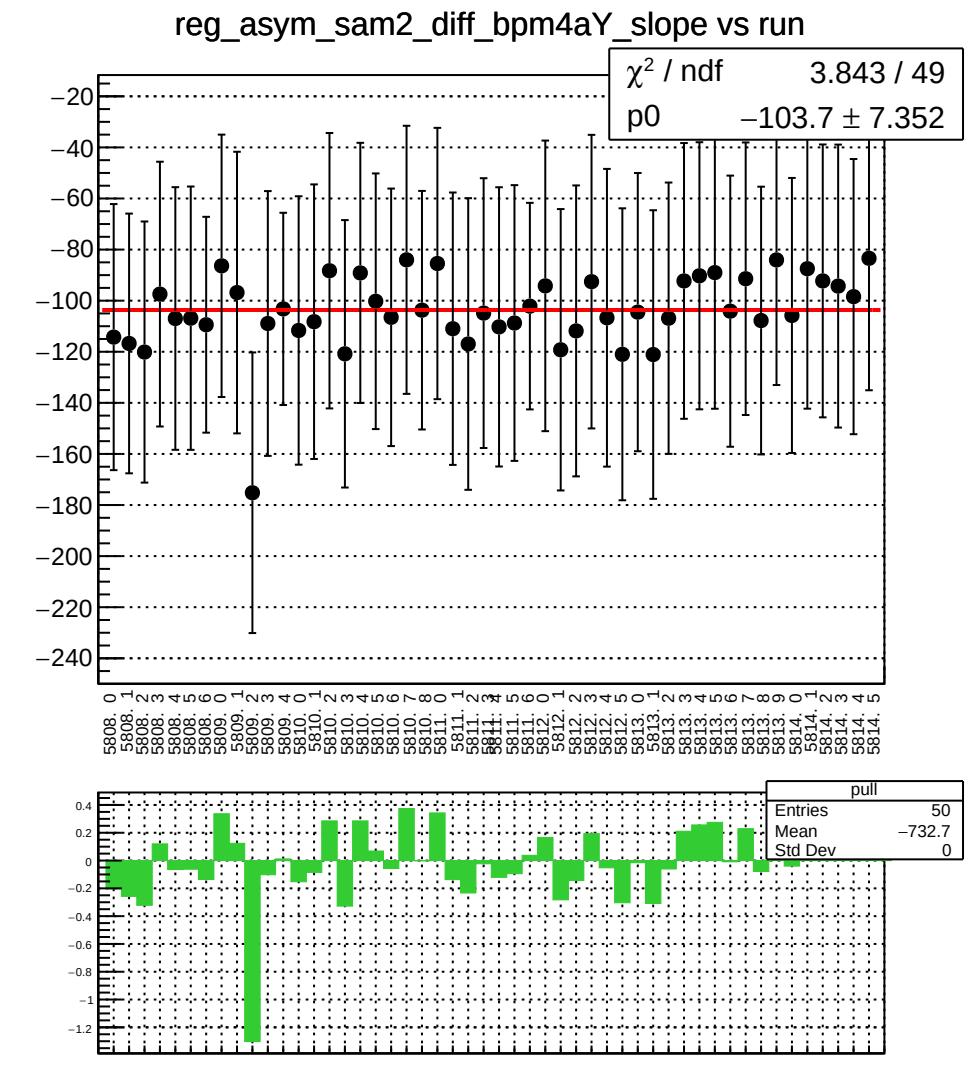

pull1D
Entries 50
Mean 0.01225
Std Dev 0.4771

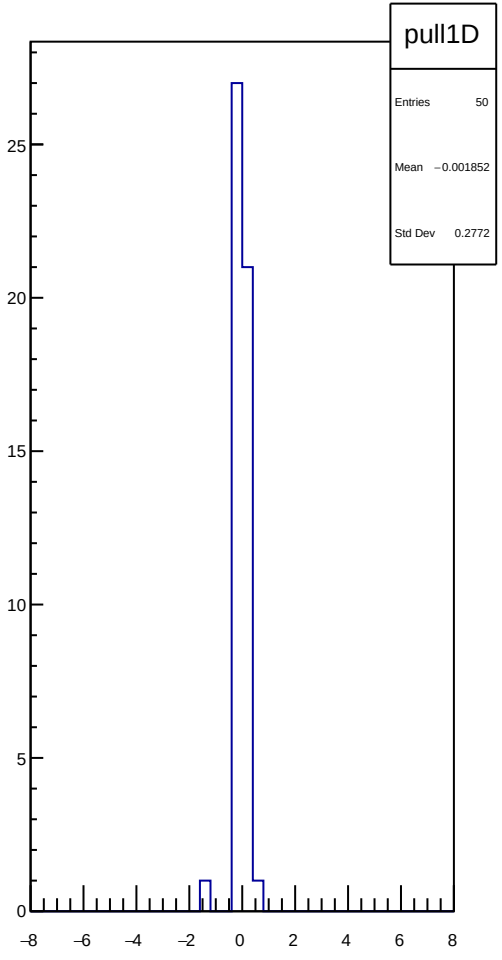

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 2.159 / 49
p0 −0.1091± 0.09689
pull
Entries 50
Mean 1336
Std Dev 0

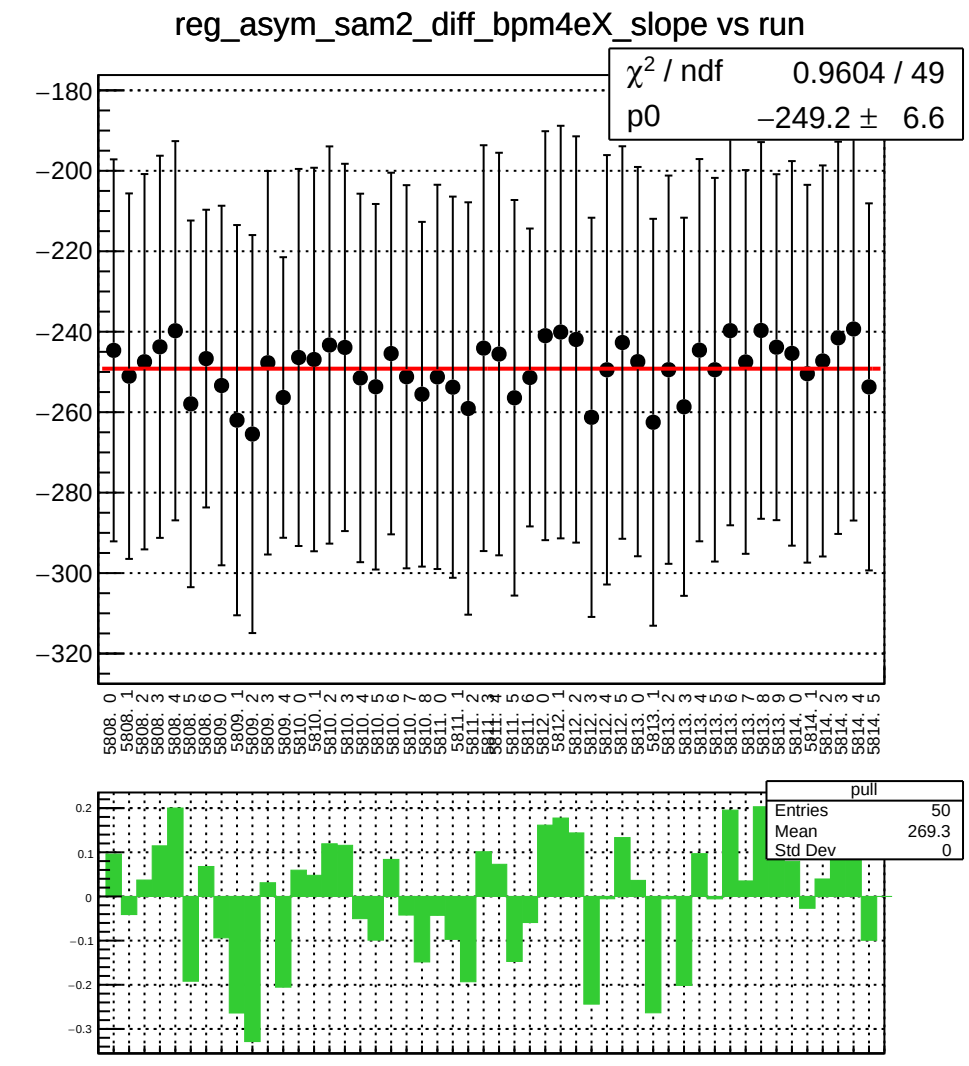

pull1D
Entries 50
Mean −0.001395
Std Dev 0.2078

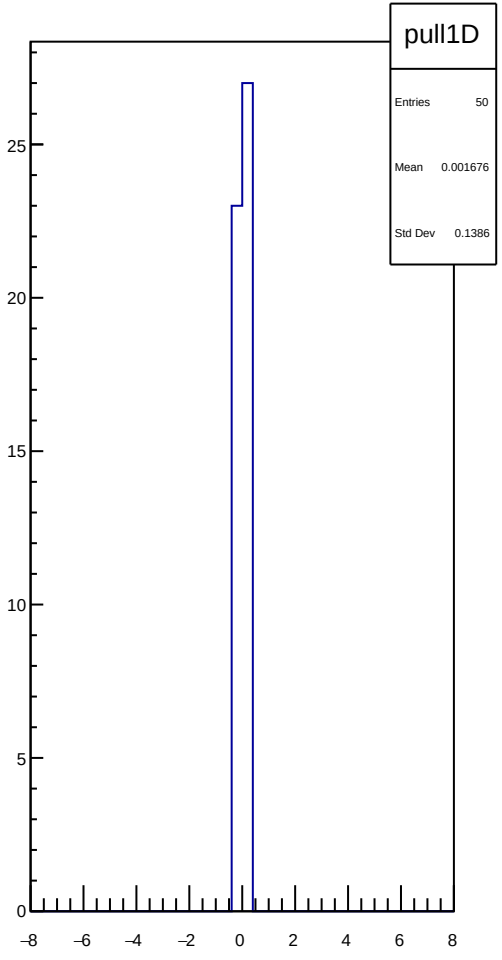

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 0.8429 / 49
p0 −39.94 ± 4.609
0
−20
−40
−60
−80
pull
Entries 50
Mean 464.6
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2

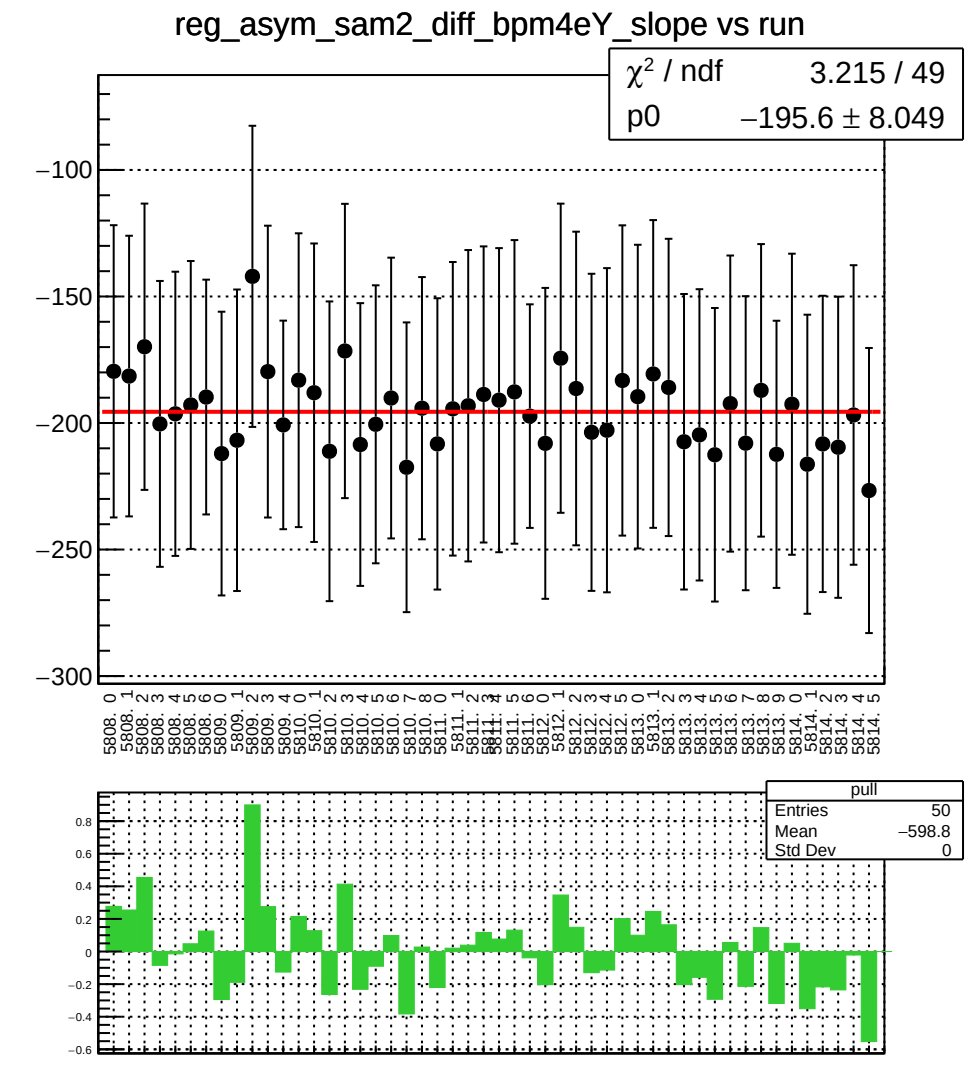

pull1D
Entries 50
Mean −0.001566
Std Dev 0.1298
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

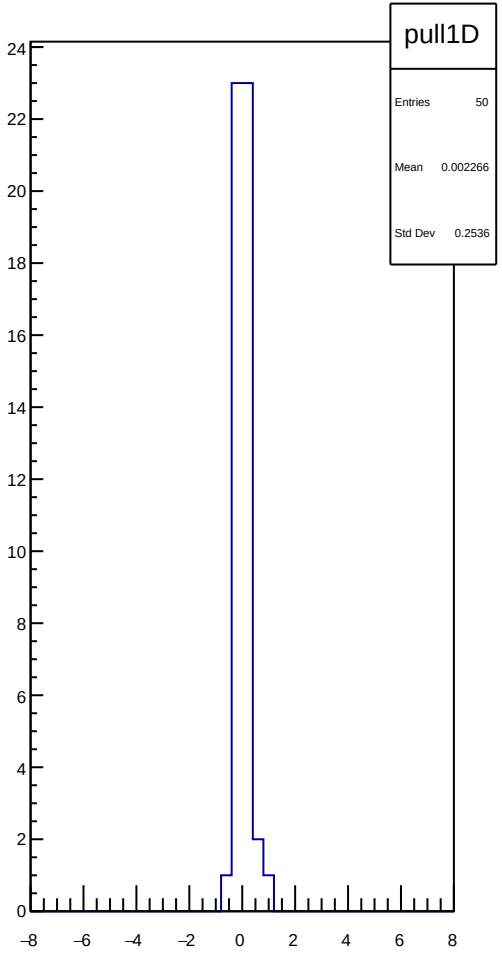

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 3.843 / 49
p0 −103.7 ± 7.352
pull
Entries 50
Mean −732.7
Std Dev 0

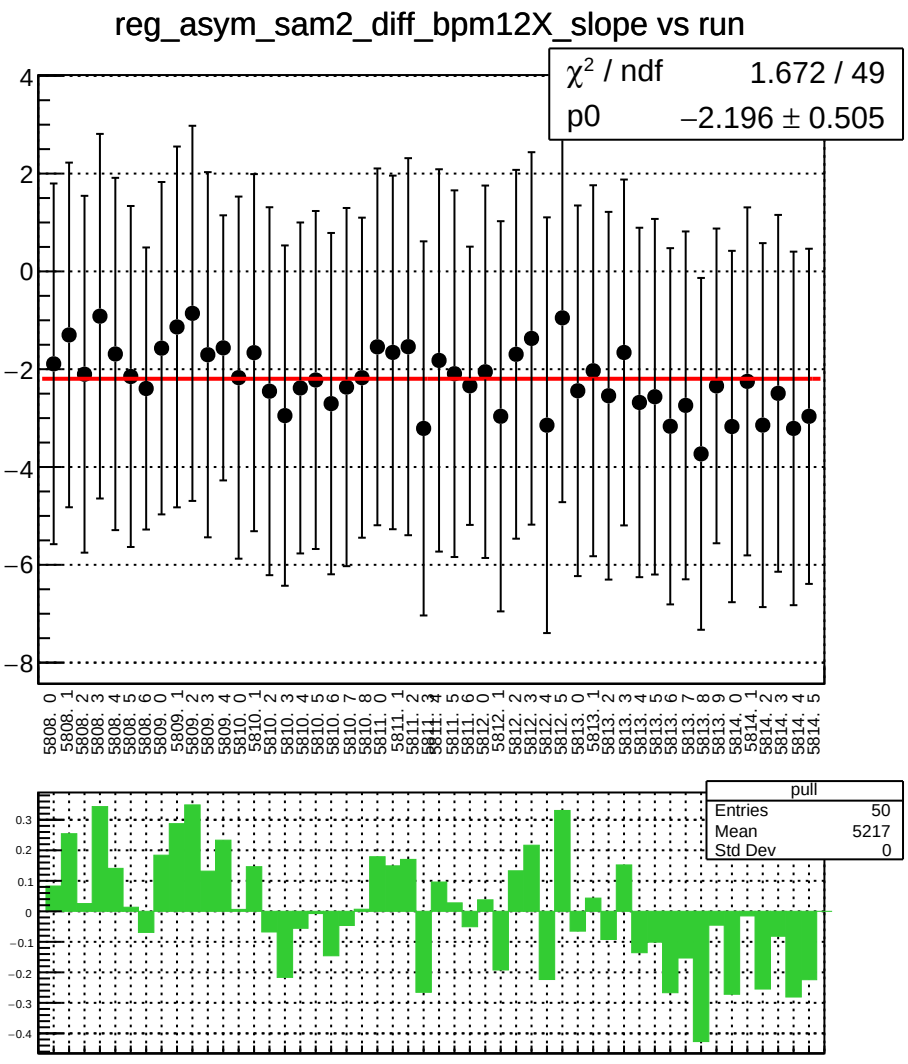

pull1D
Entries 50
Mean −0.001852
Std Dev 0.2772

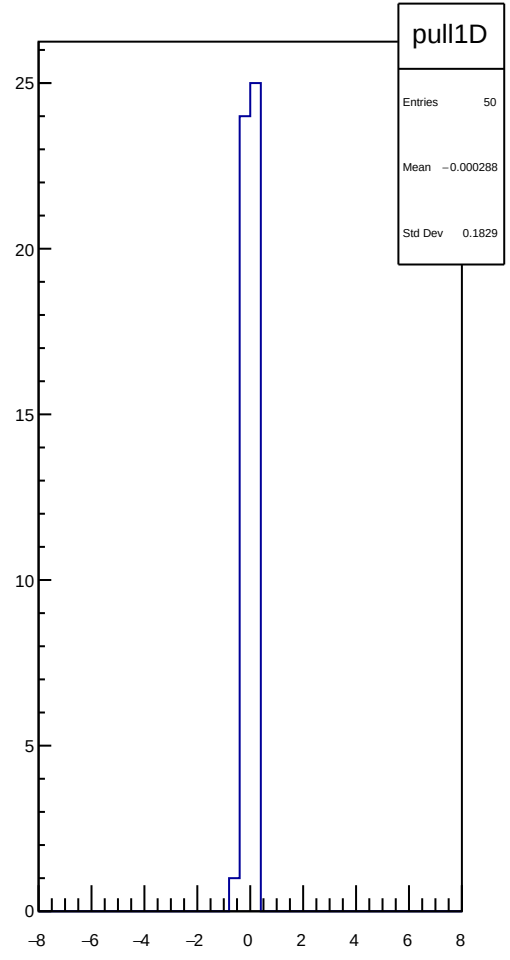

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 0.9604 / 49
p0 −249.2 ± 6.6
pull
Entries 50
Mean 269.3
Std Dev 0

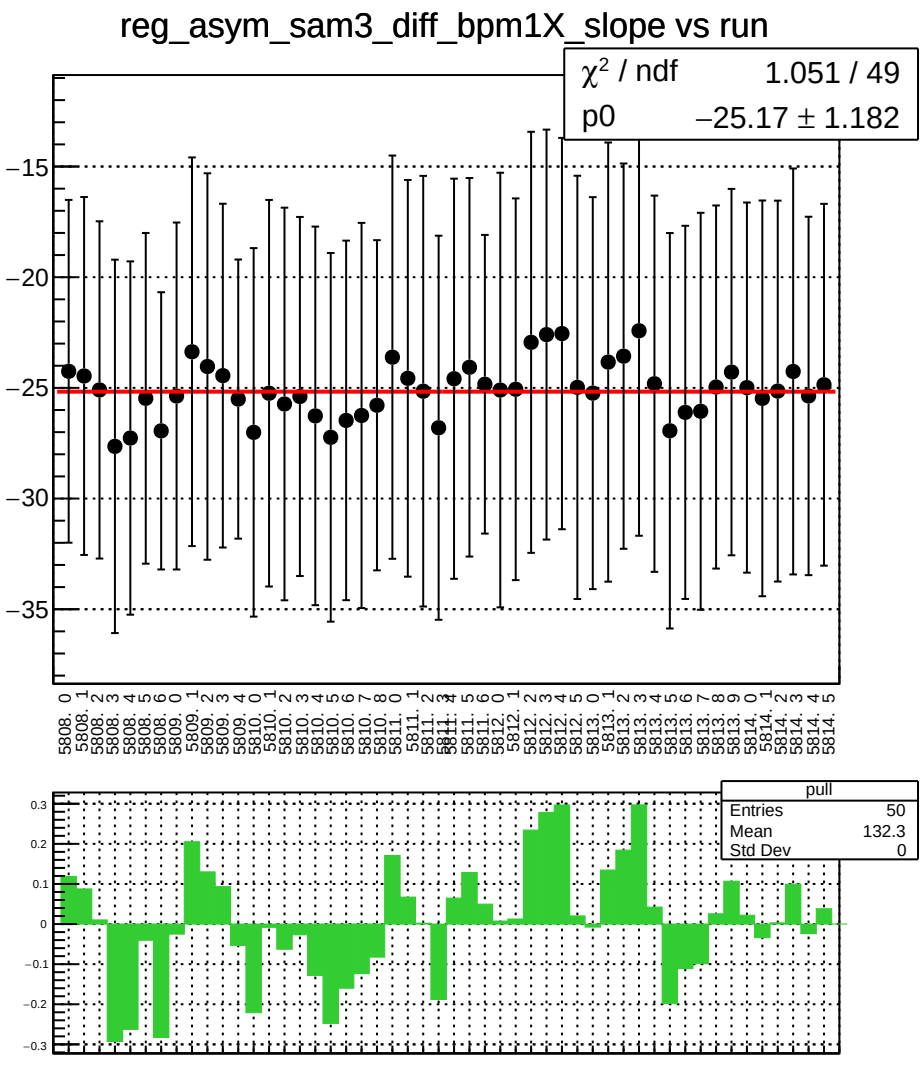

pull1D
Entries 50
Mean 0.001676
Std Dev 0.1386

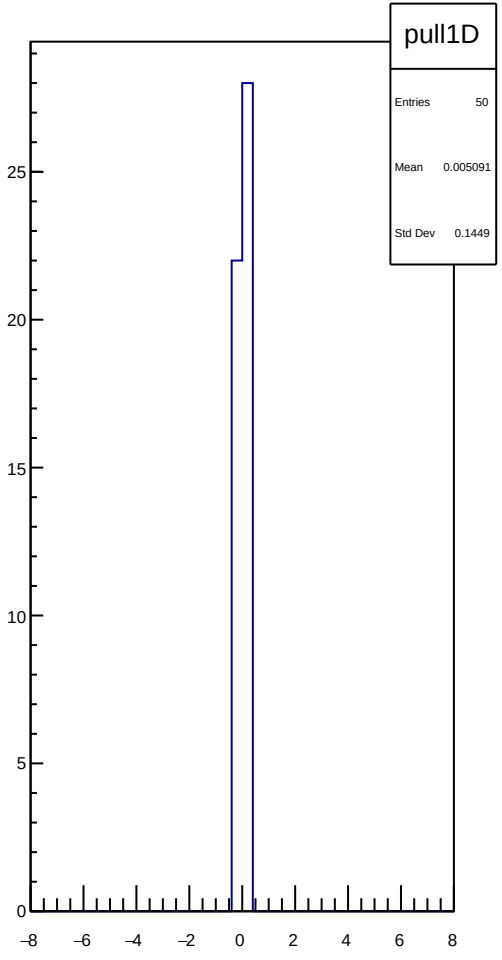

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 3.215 / 49
p0 −195.6 ± 8.049
pull
Entries 50
Mean −598.8
Std Dev 0

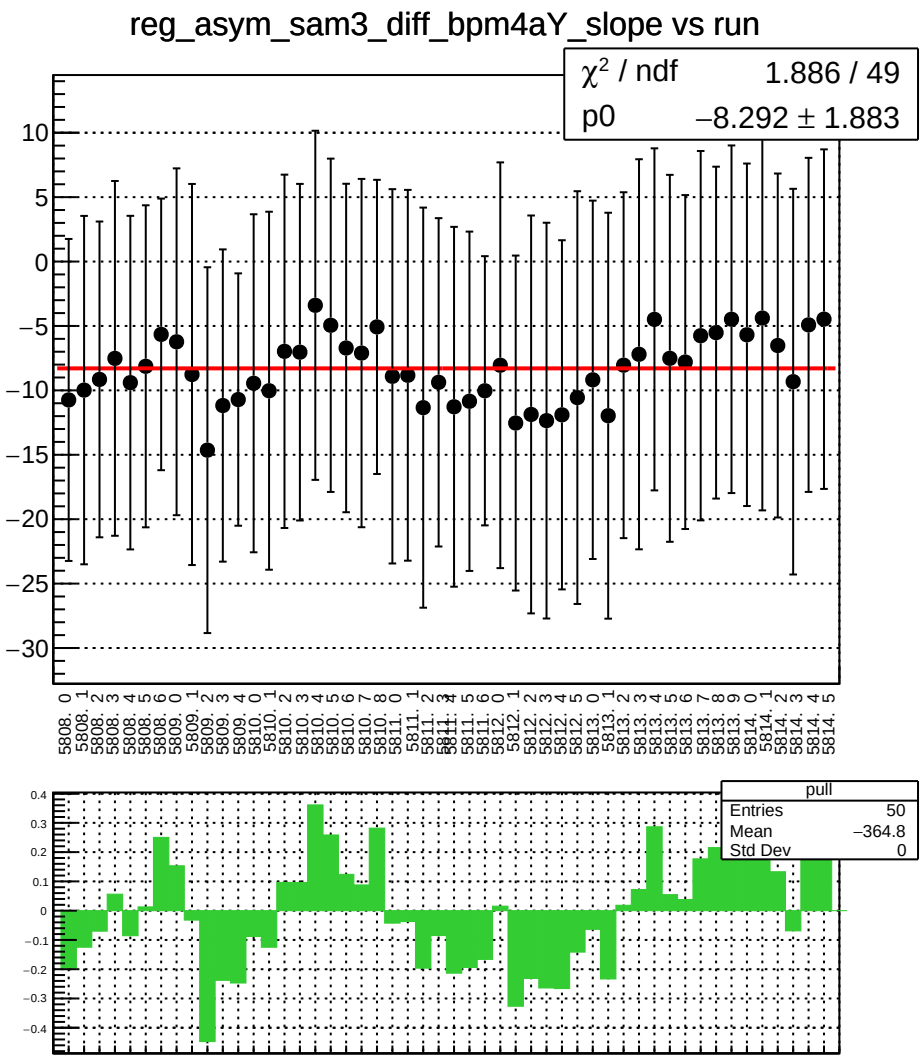

pull1D
Entries 50
Mean 0.002266
Std Dev 0.2536

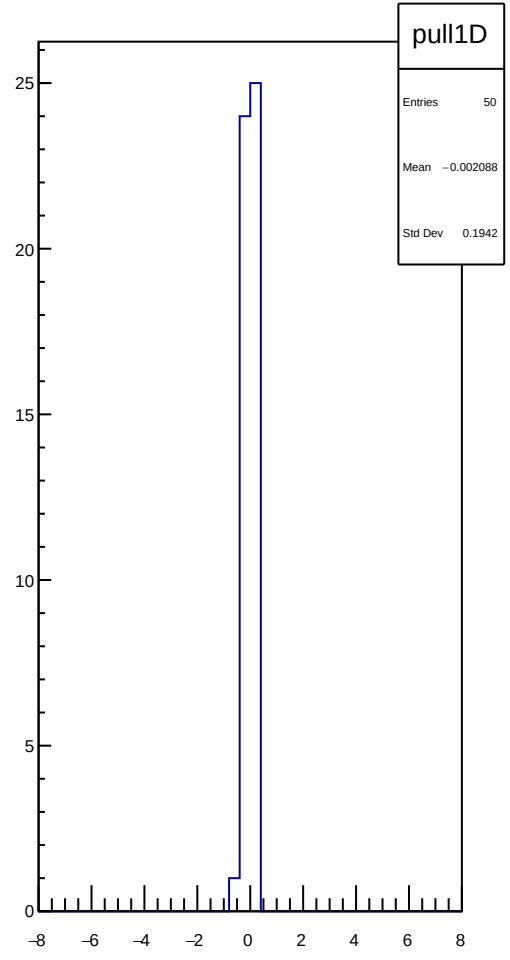

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 1.672 / 49
p0 −2.196 ± 0.505
pull
Entries 50
Mean 5217
Std Dev 0

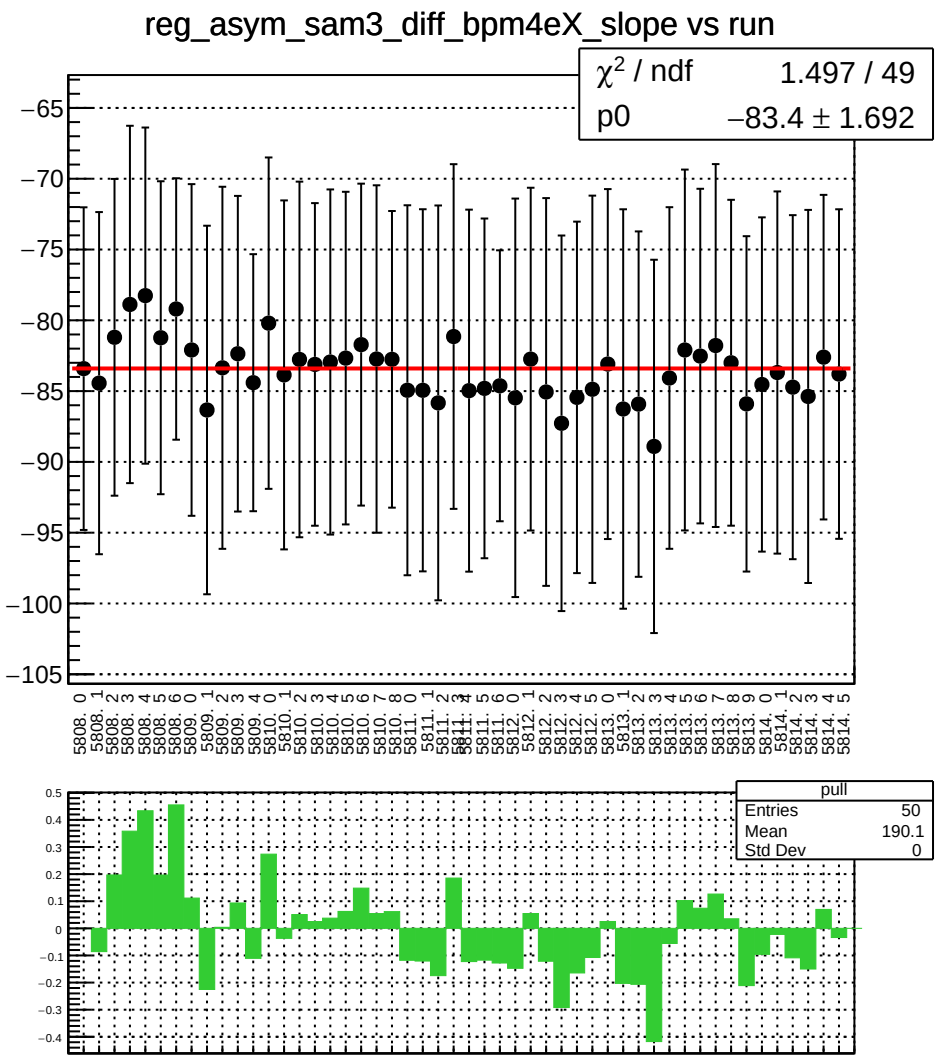

pull1D
Entries 50
Mean −0.000288
Std Dev 0.1829

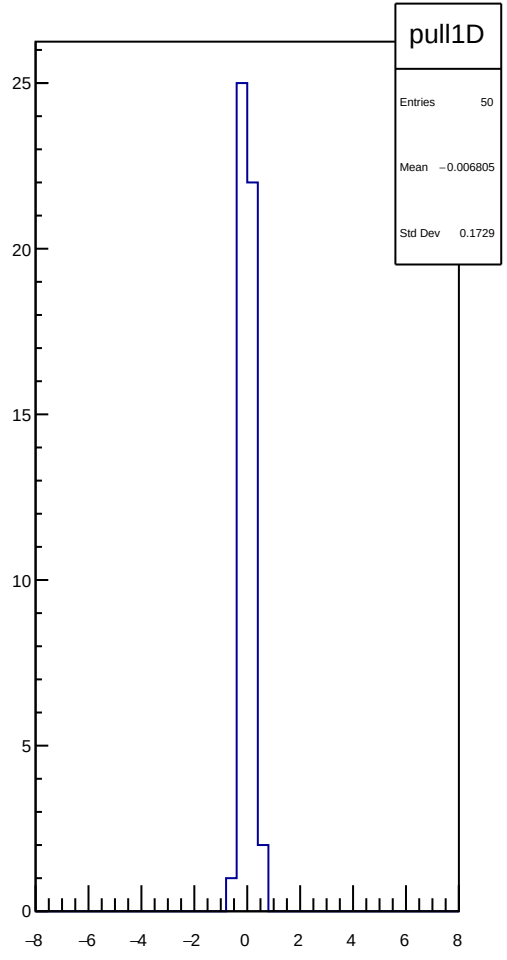

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 1.051 / 49
p0 −25.17 ± 1.182
pull
Entries 50
Mean 132.3
Std Dev 0

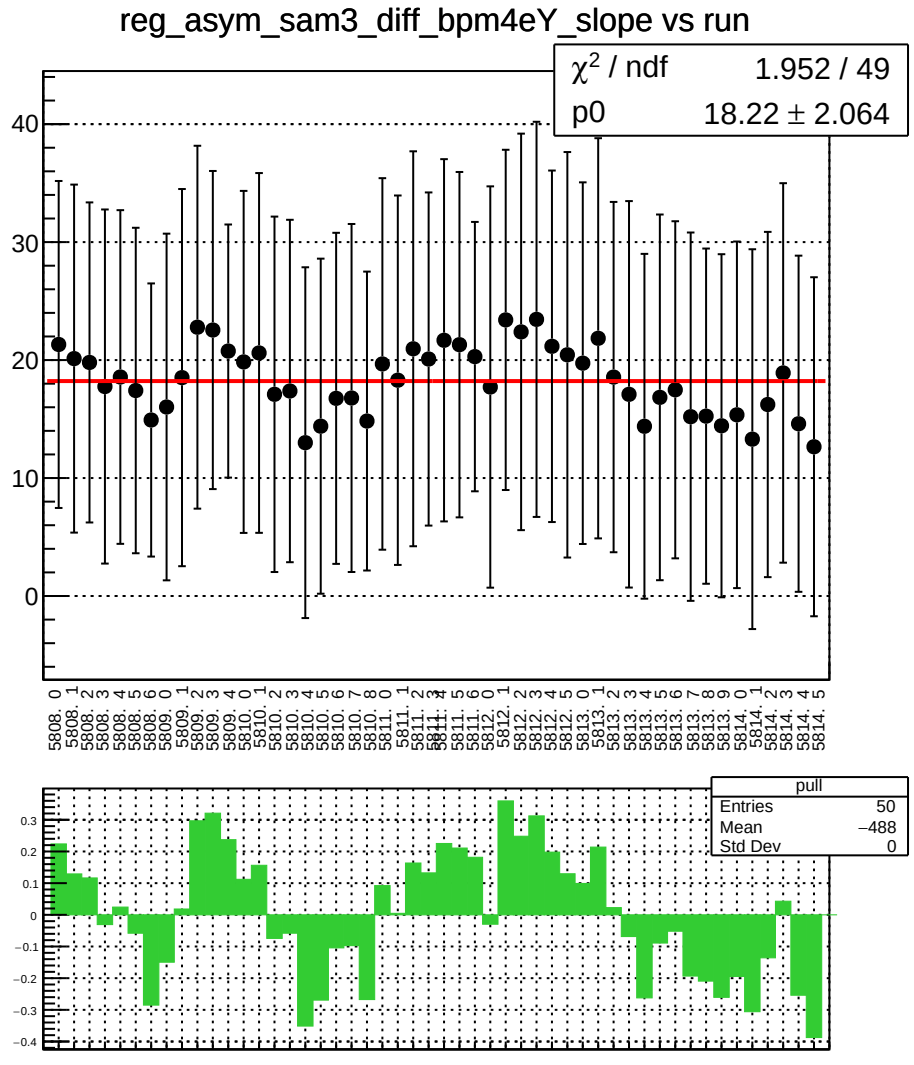

pull1D
Entries 50
Mean 0.005091
Std Dev 0.1449

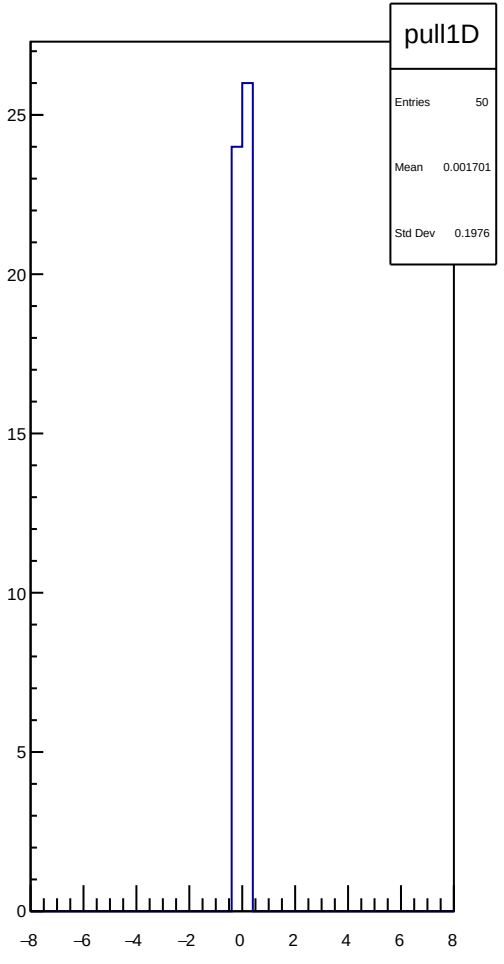

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 1.886 / 49
p0 −8.292 ± 1.883
pull
Entries 50
Mean −364.8
Std Dev 0

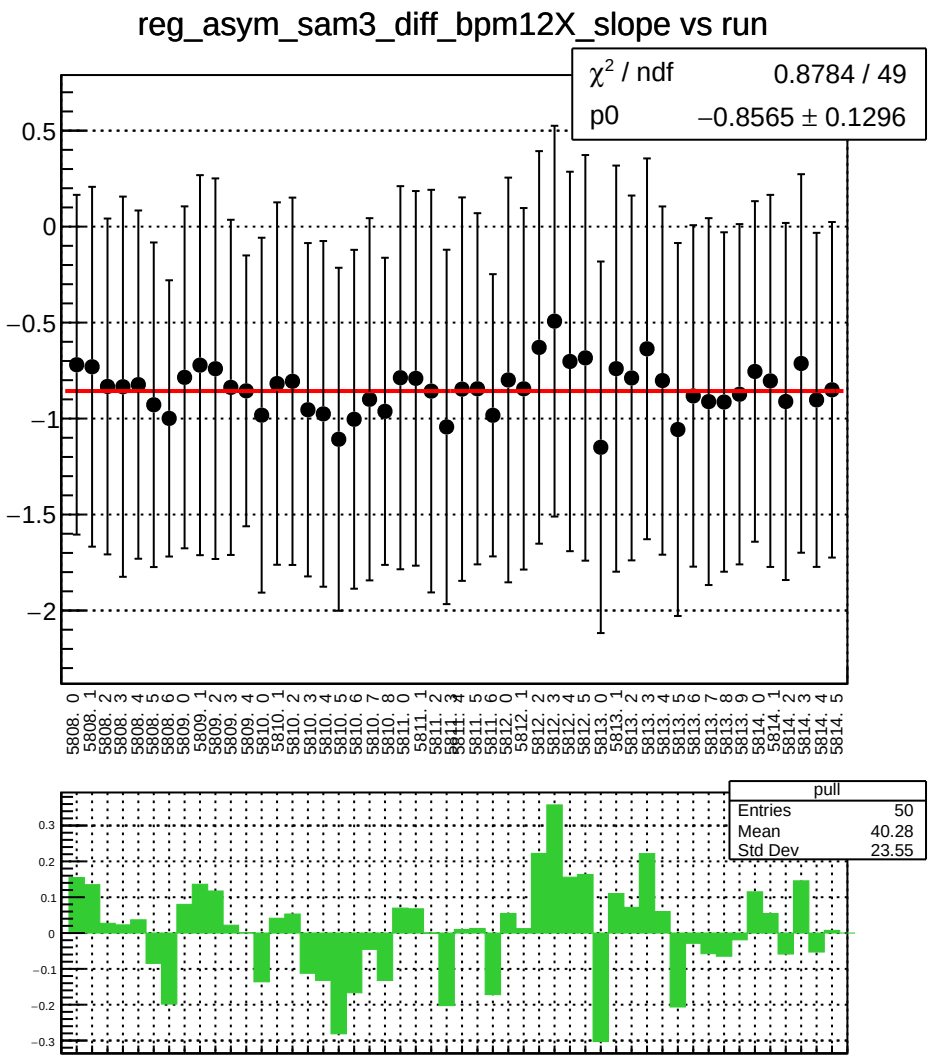

pull1D
Entries 50
Mean −0.002088
Std Dev 0.1942

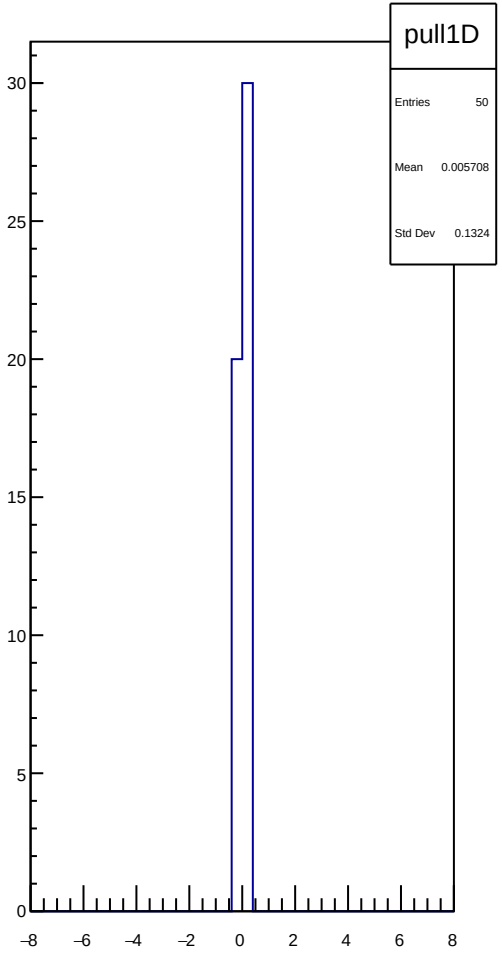

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 1.497 / 49
p0 −83.4 ± 1.692
pull
Entries 50
Mean 190.1
Std Dev 0

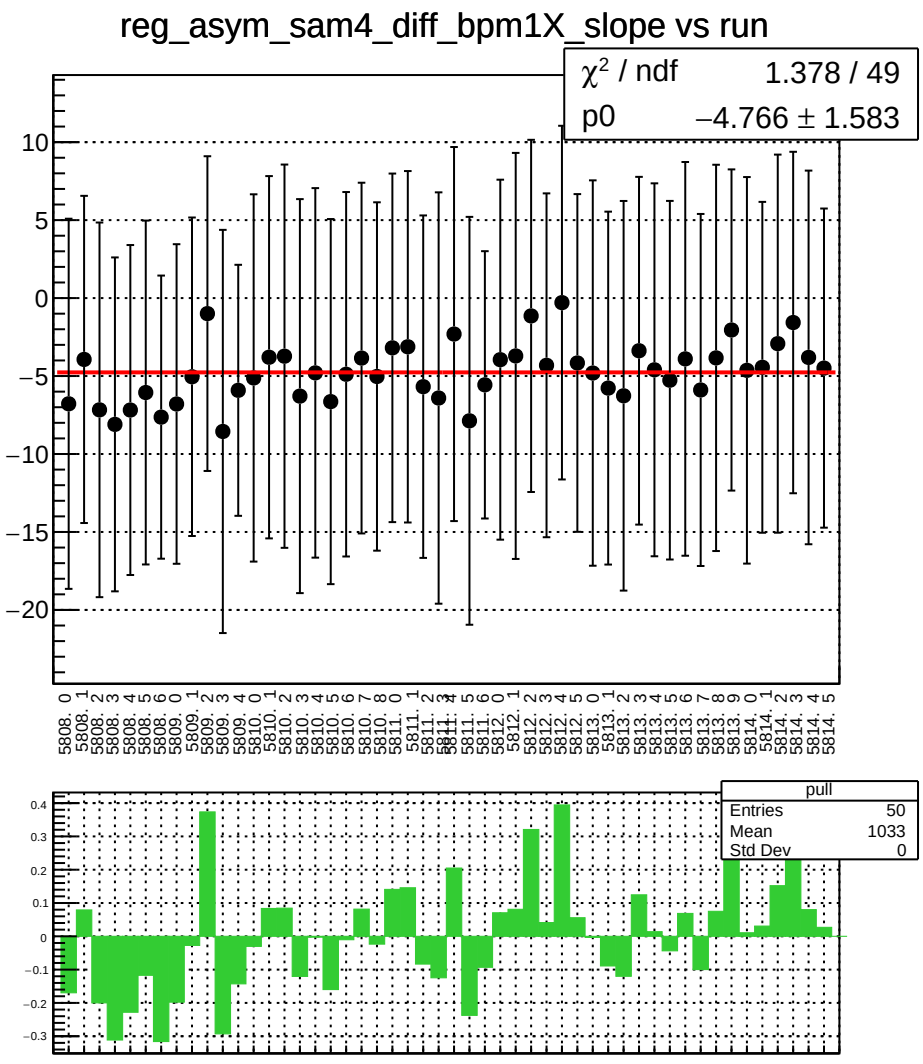

pull1D
Entries 50
Mean −0.006805
Std Dev 0.1729

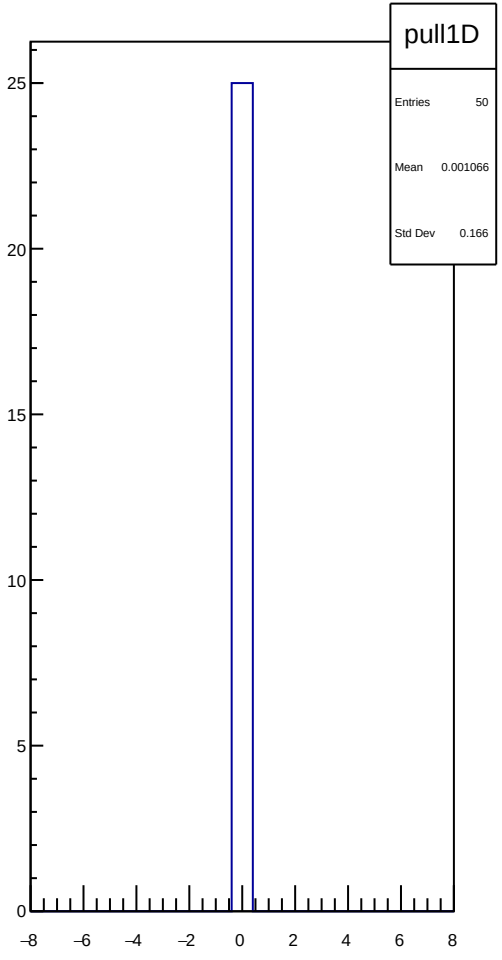

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 1.952 / 49
p0 18.22 ± 2.064
pull
Entries 50
Mean −488
Std Dev 0

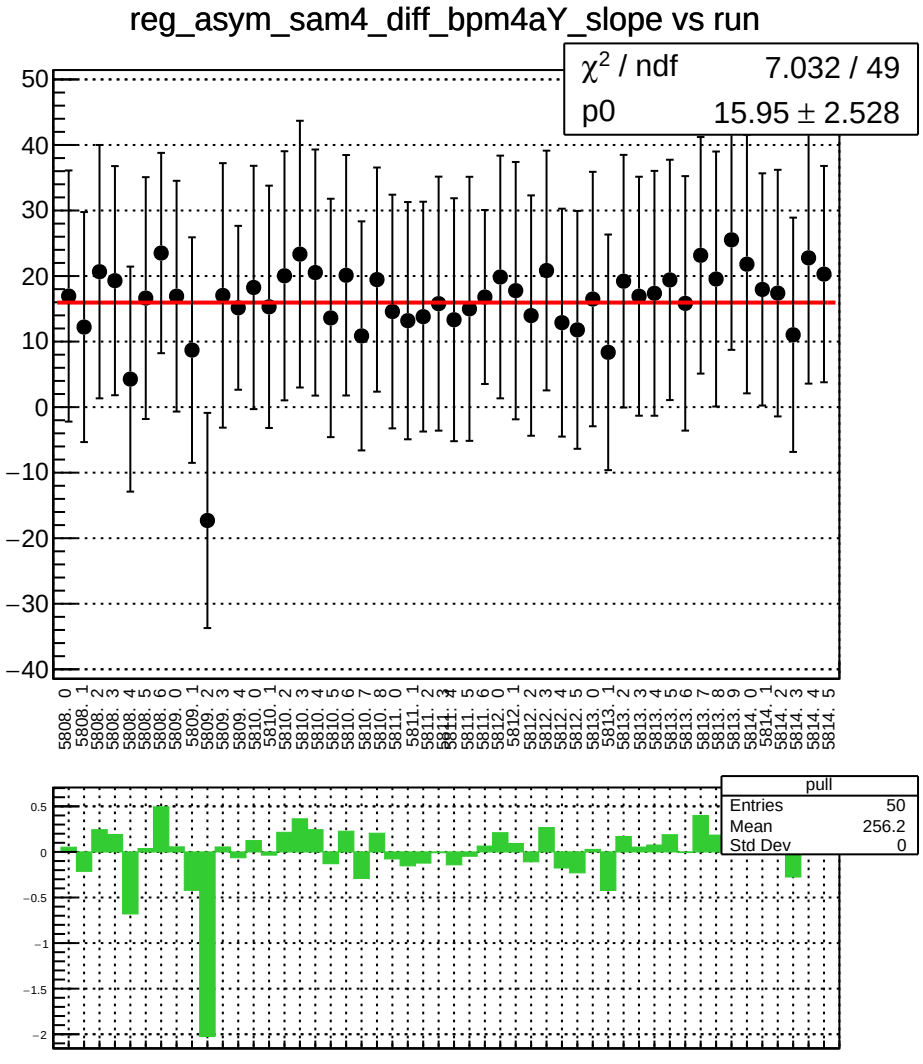

pull1D
Entries 50
Mean 0.001701
Std Dev 0.1976

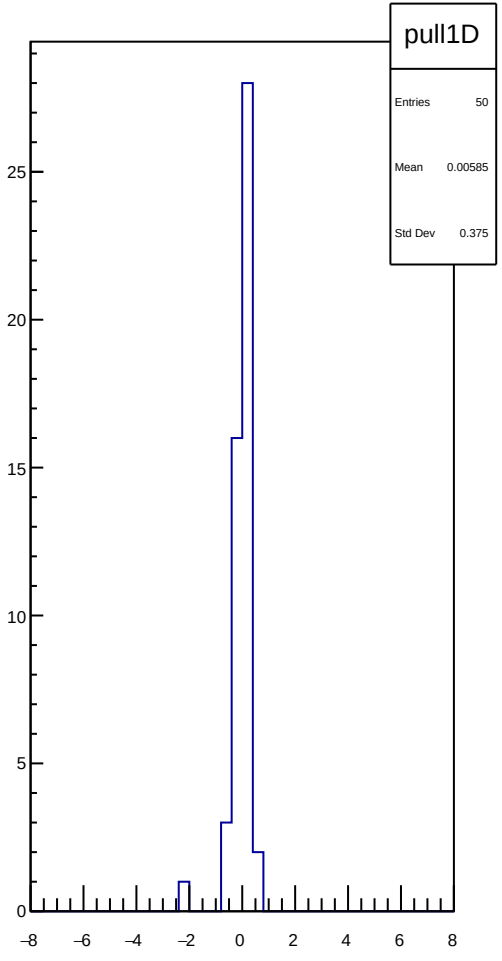

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 0.8784 / 49
p0 −0.8565 ± 0.1296
pull
Entries 50
Mean 40.28
Std Dev 23.55

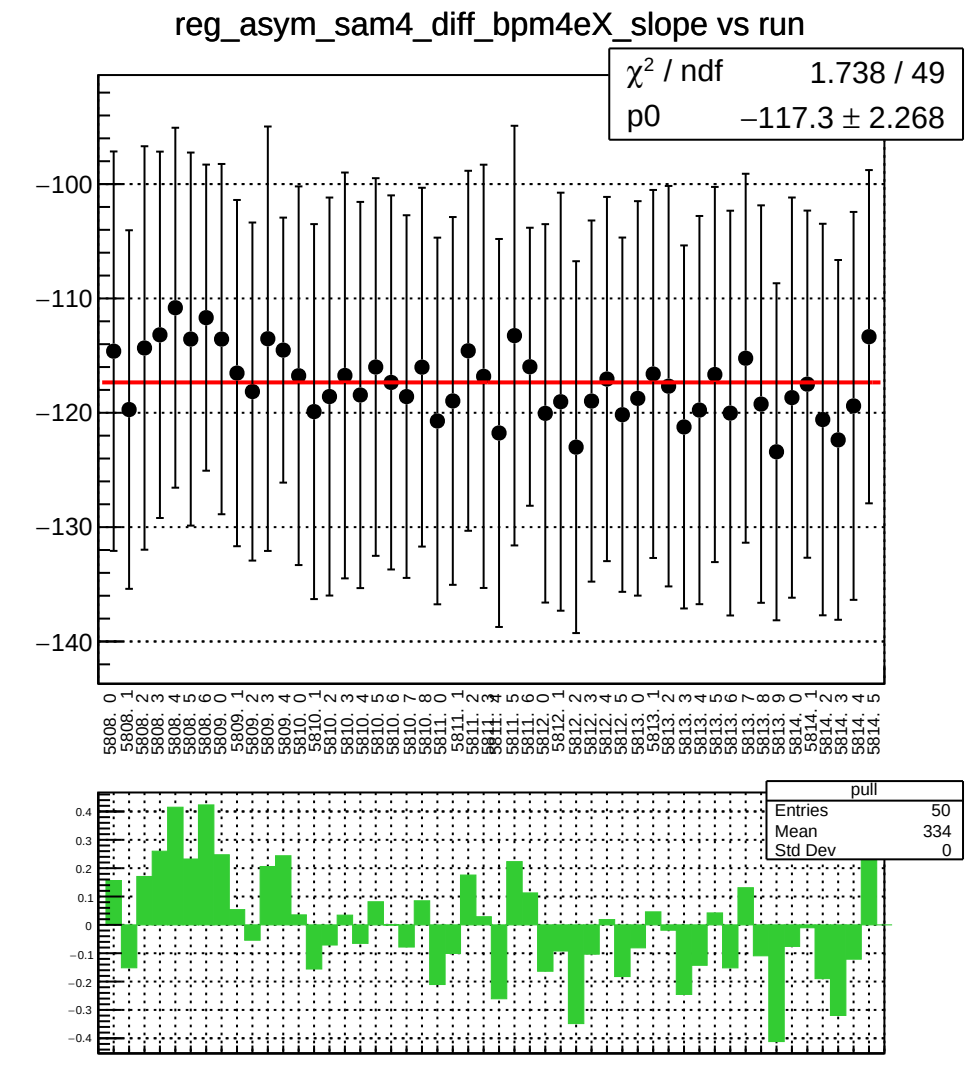

pull1D
Entries 50
Mean 0.005708
Std Dev 0.1324

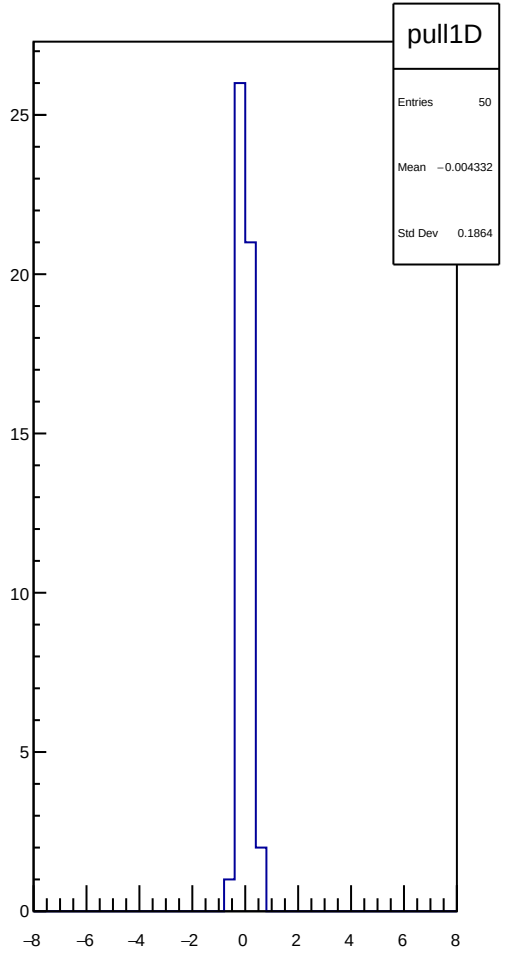

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 1.378 / 49
p0 −4.766 ± 1.583
pull
Entries 50
Mean 1033
Std Dev 0

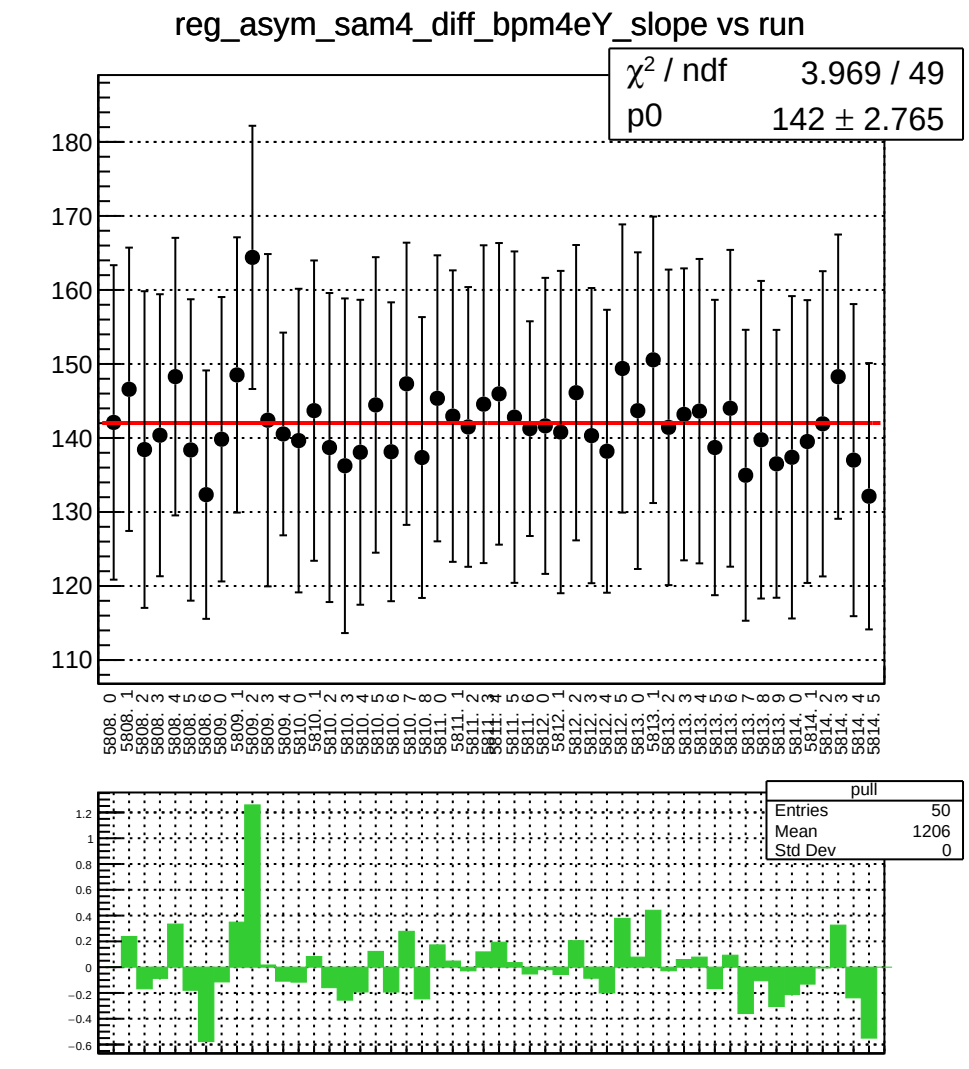

pull1D
Entries 50
Mean 0.001066
Std Dev 0.166

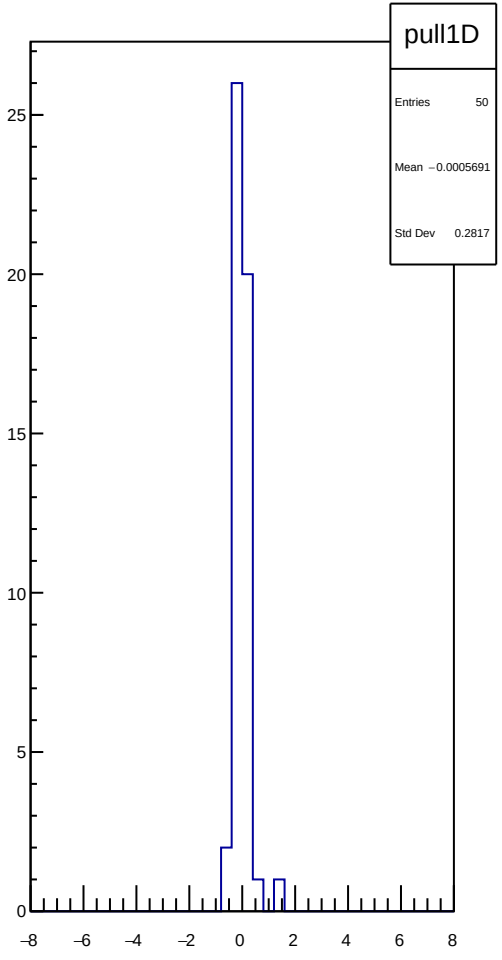

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 7.032 / 49
p0 15.95 ± 2.528
pull
Entries 50
Mean 256.2
Std Dev 0

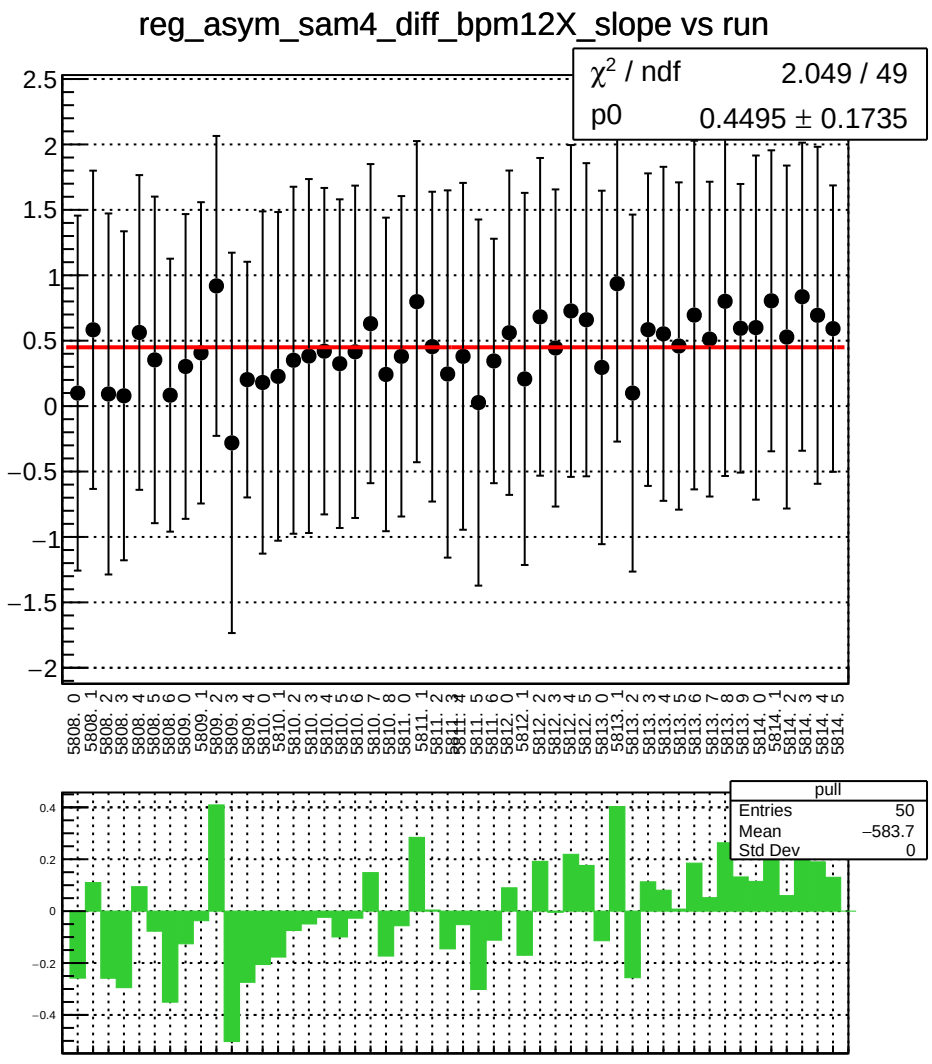

pull1D
Entries 50
Mean 0.00585
Std Dev 0.375

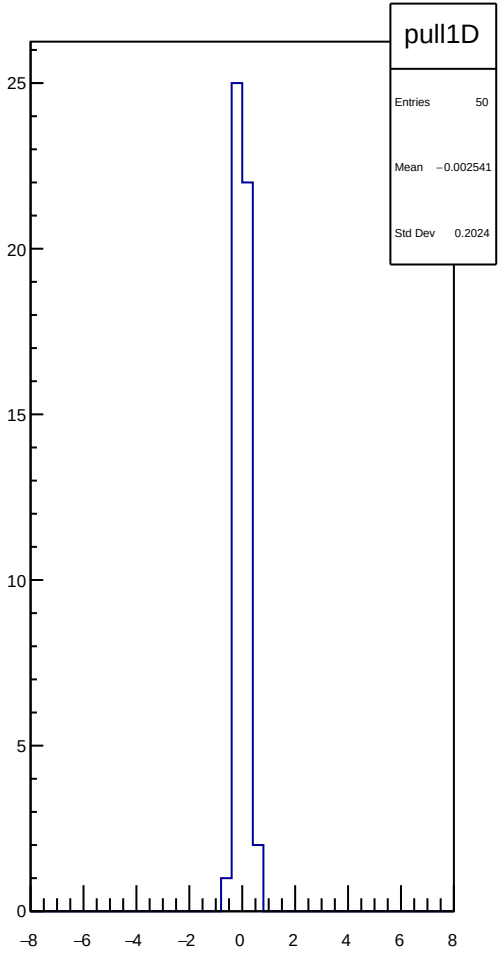

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 1.738 / 49
p0 −117.3 ± 2.268
−100
−110
−120
−130
−140
pull
Entries 50
Mean 334
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

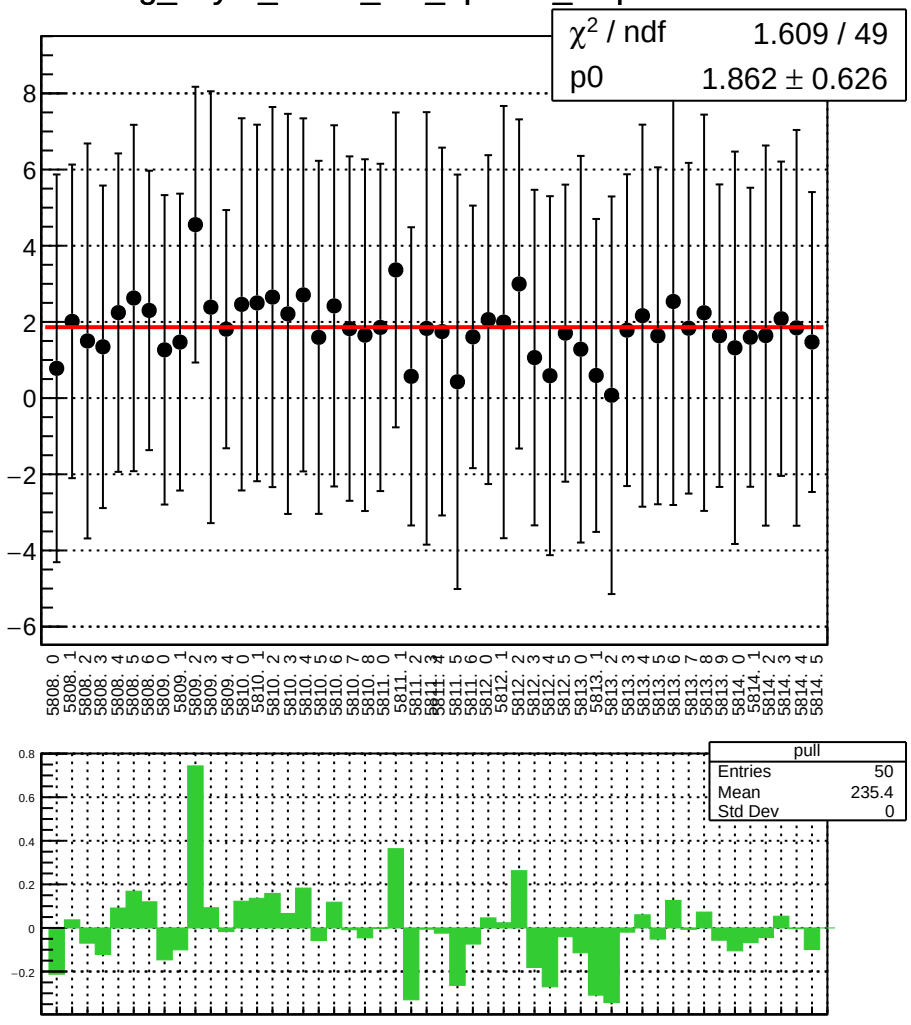

pull1D
Entries 50
Mean −0.004332
Std Dev 0.1864
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

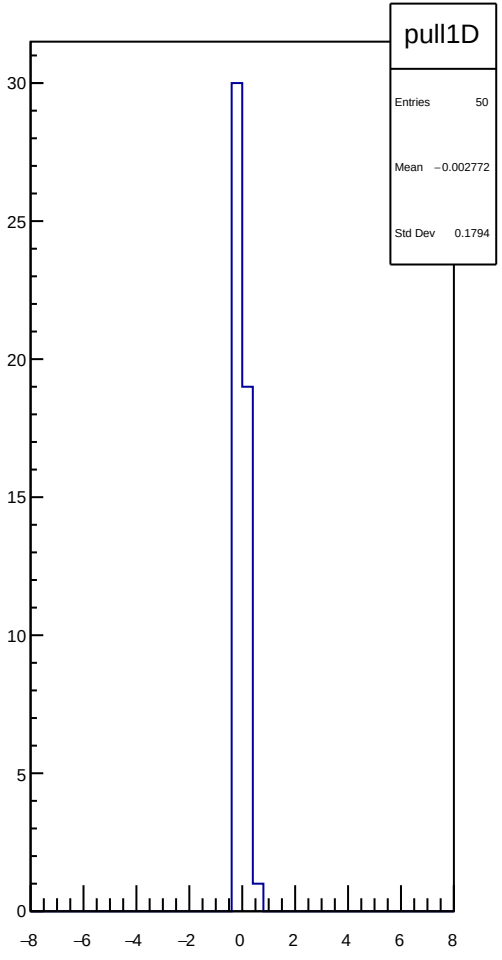

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 3.969 / 49
p0 142 ± 2.765
pull
Entries 50
Mean 1206
Std Dev 0

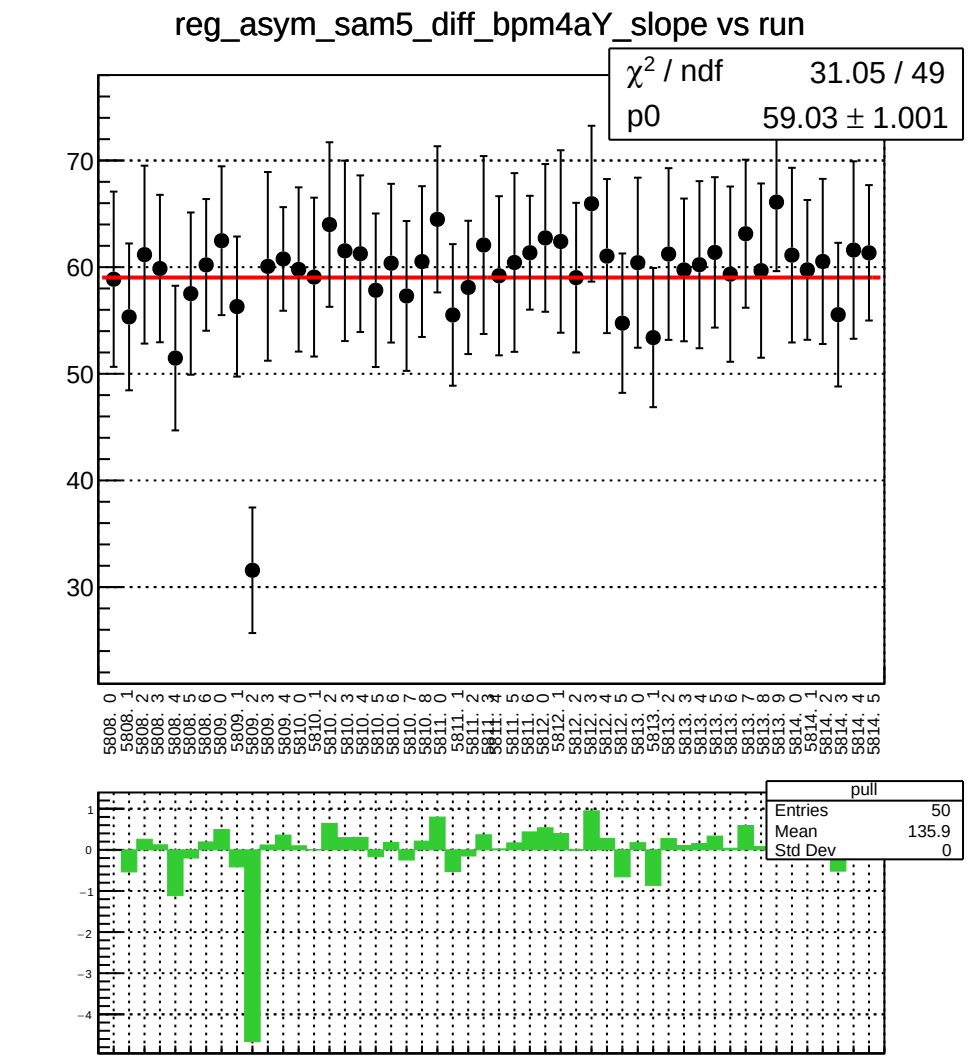

pull1D
Entries 50
Mean −0.0005691
Std Dev 0.2817

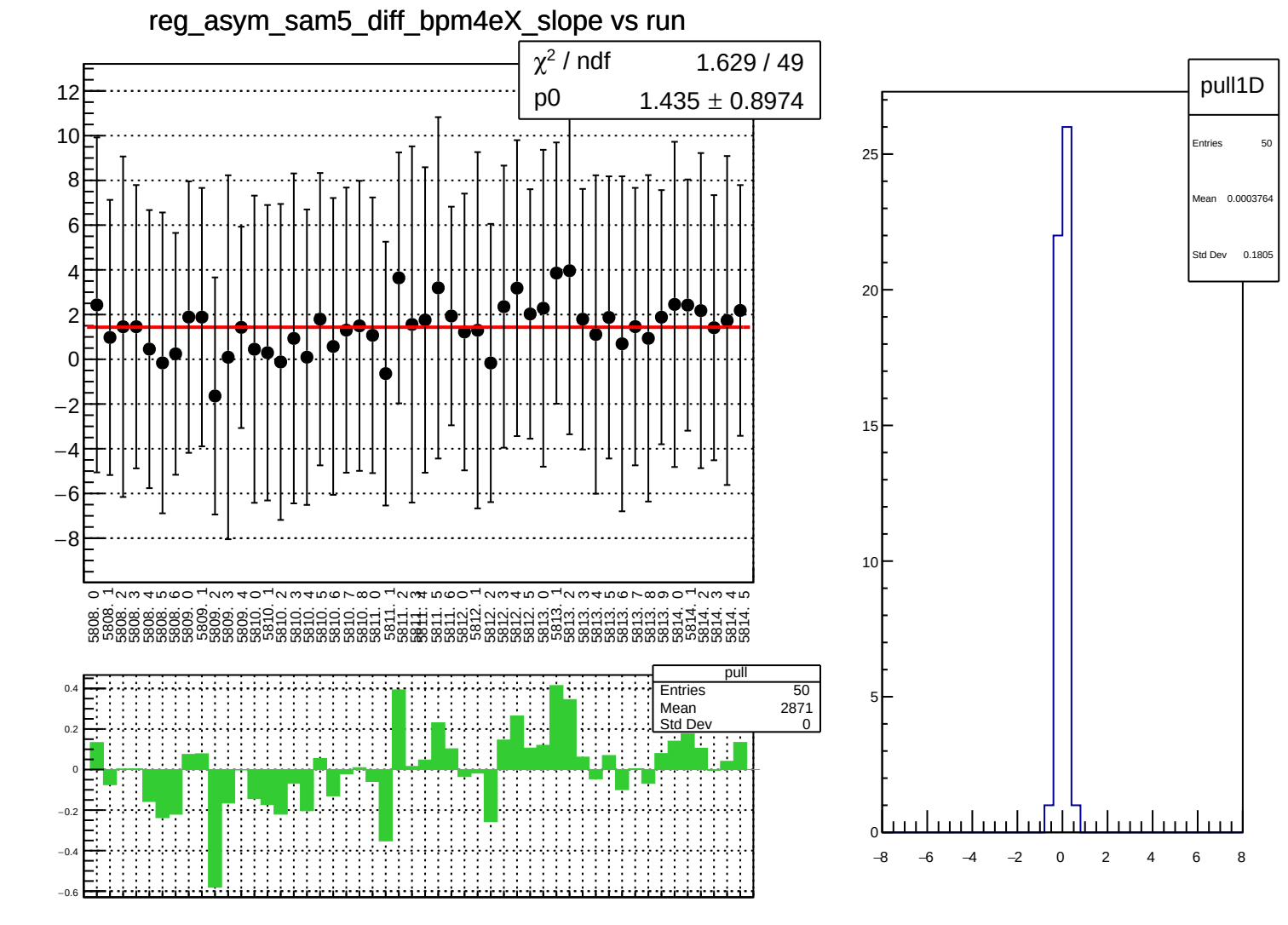

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 2.049 / 49
p0 0.4495 ± 0.1735
pull
Entries 50
Mean −583.7
Std Dev 0

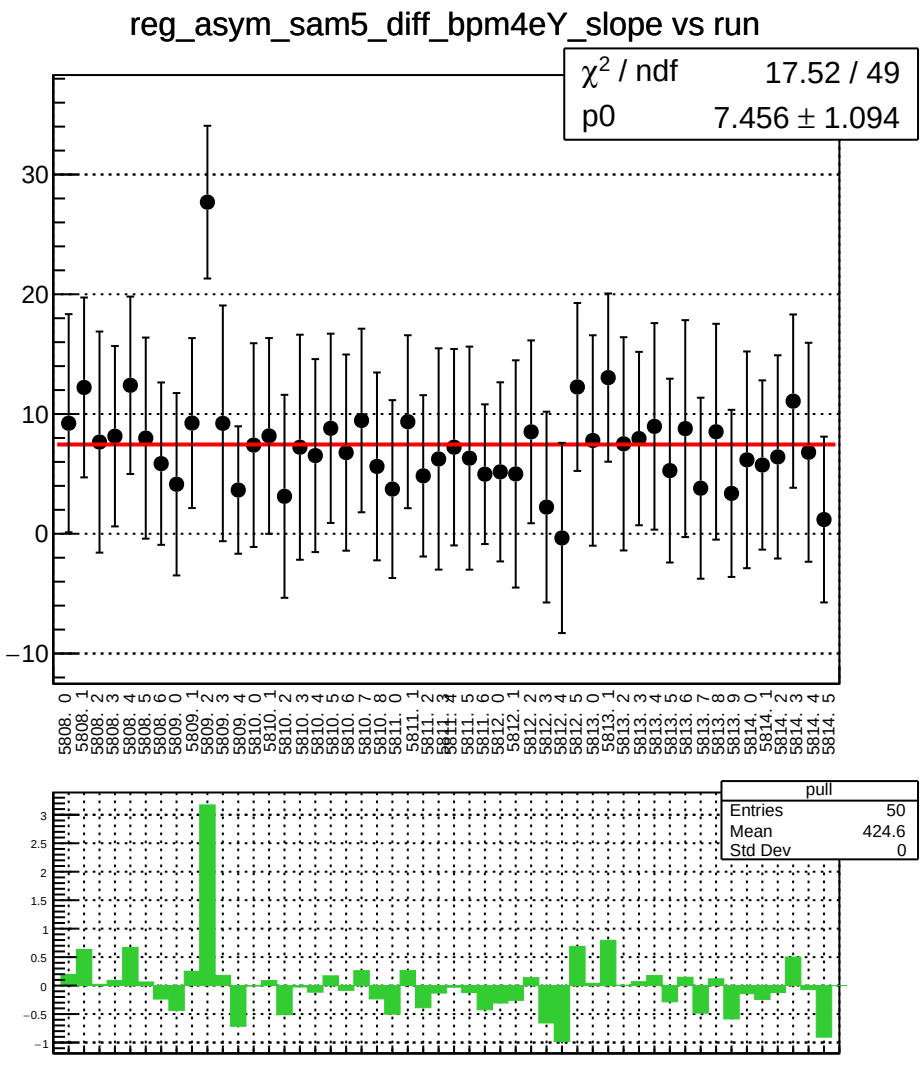

pull1D
Entries 50
Mean −0.002541
Std Dev 0.2024

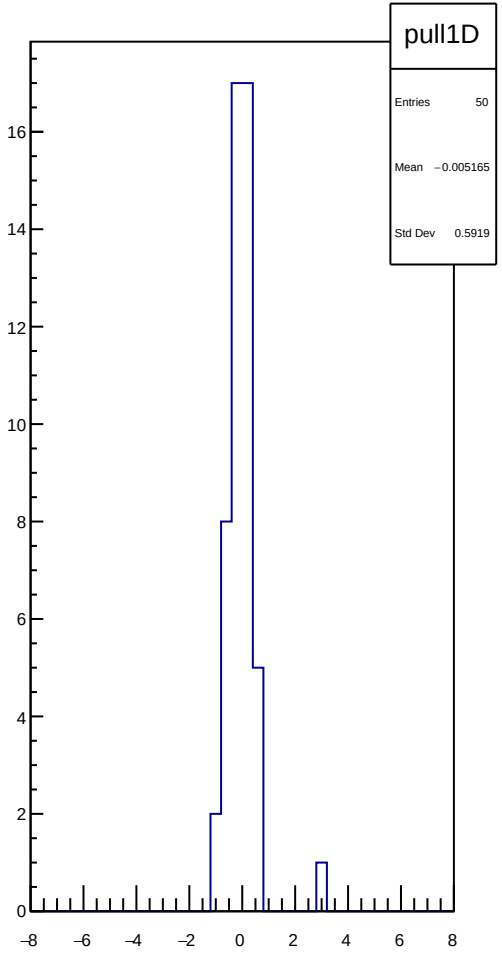

reg_asym_sam5_diff_bpm1X_slope vs run
χ^2 / ndf 1.609 / 49
p0 1.862 ± 0.626
pull
Entries 50
Mean 235.4
Std Dev 0

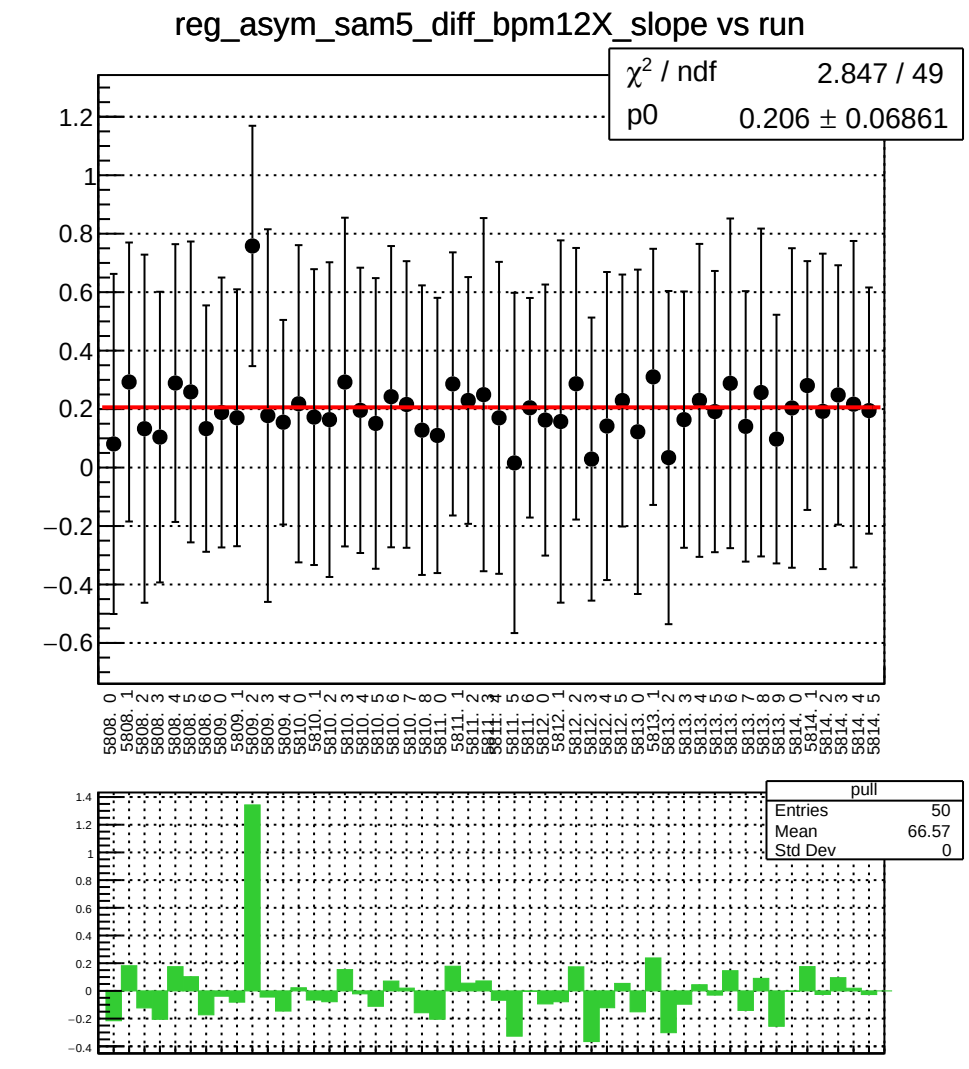

pull1D
Entries 50
Mean −0.002772
Std Dev 0.1794

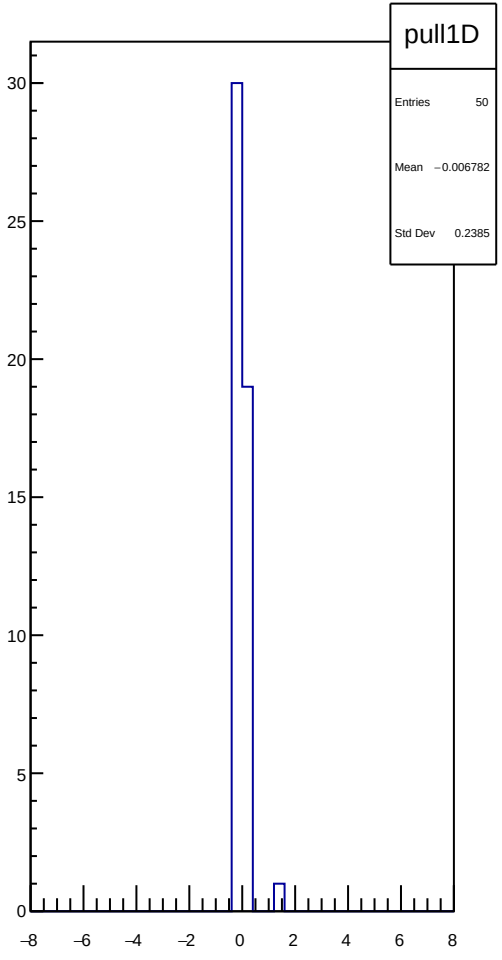

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 31.05 / 49
p0 59.03 ± 1.001
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 135.9
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 50
Mean 0.02471
Std Dev 0.7876
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

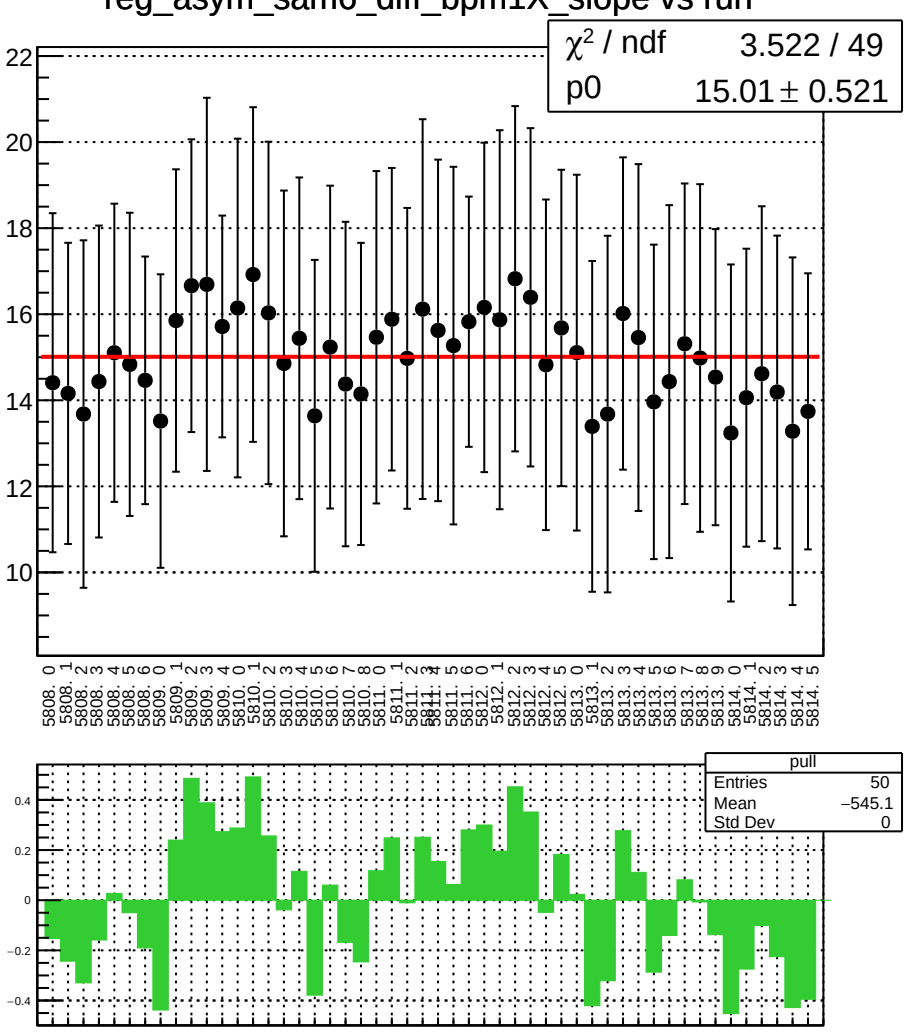

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 1.629 / 49
p0 1.435 ± 0.8974
pull
Entries 50
Mean 2871
Std Dev 0
pull1D
Entries 50
Mean 0.0003764
Std Dev 0.1805

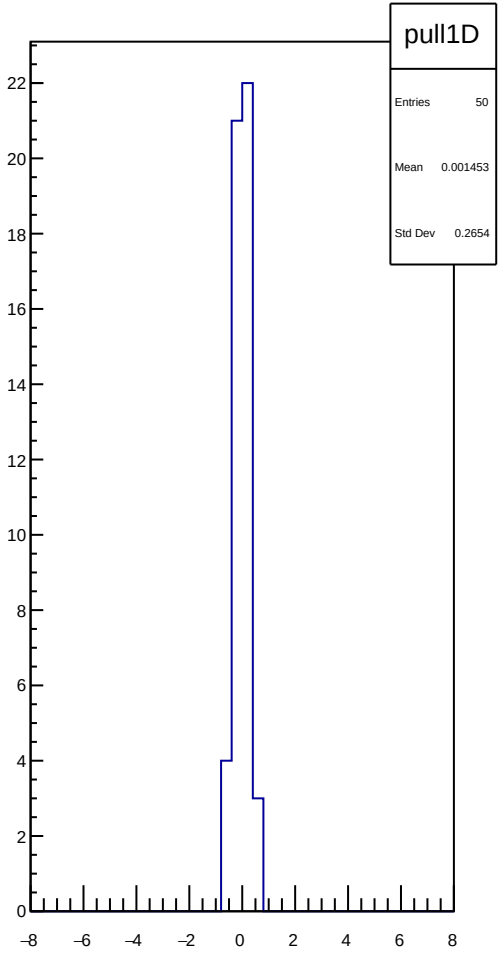

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 17.52 / 49
p0 7.456 ± 1.094
pull
Entries 50
Mean 424.6
Std Dev 0

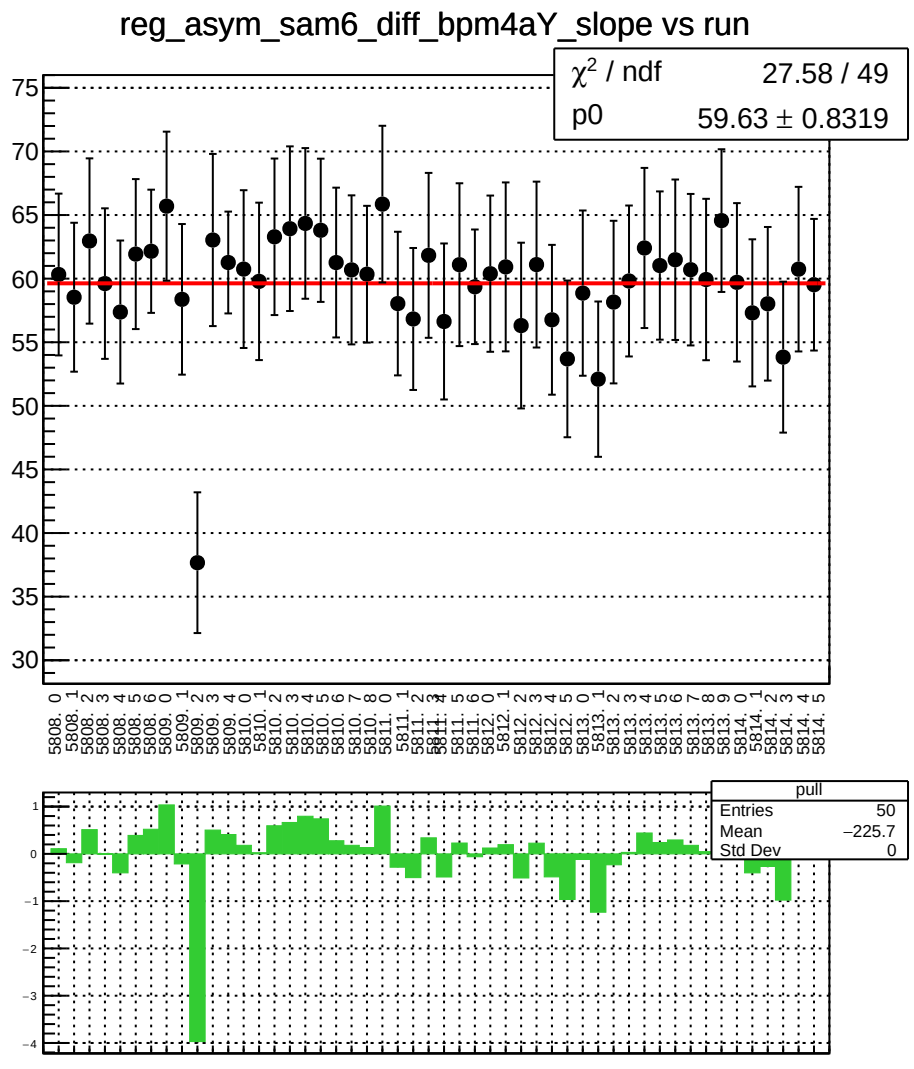

pull1D
Entries 50
Mean −0.005165
Std Dev 0.5919

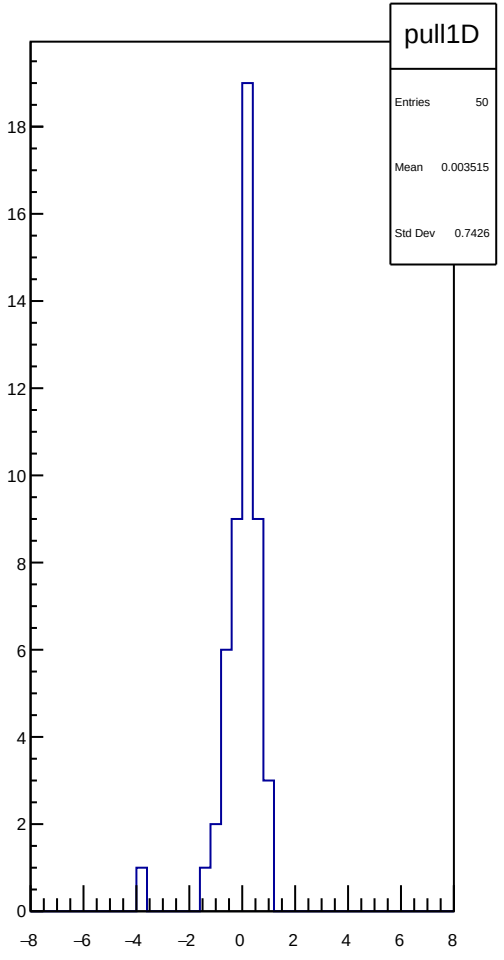

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.847 / 49
p0 0.206 ± 0.06861
pull
Entries 50
Mean 66.57
Std Dev 0

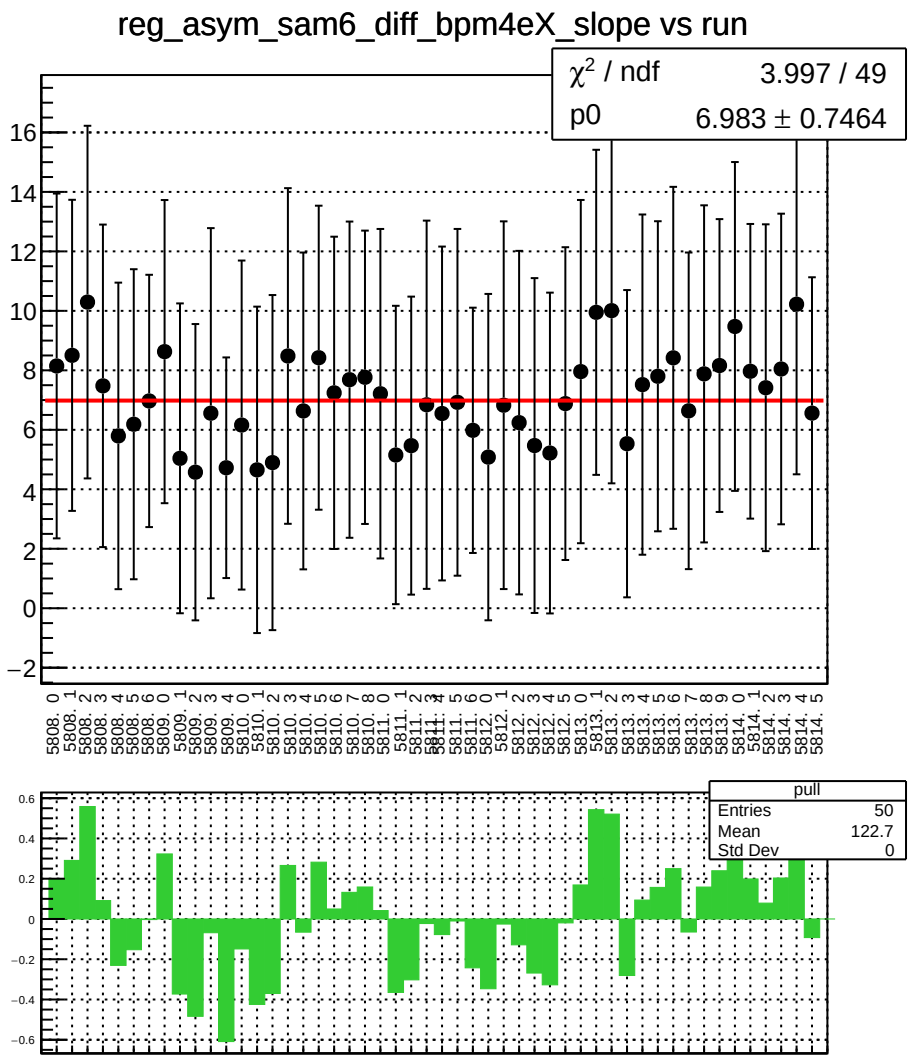

pull1D
Entries 50
Mean −0.006782
Std Dev 0.2385

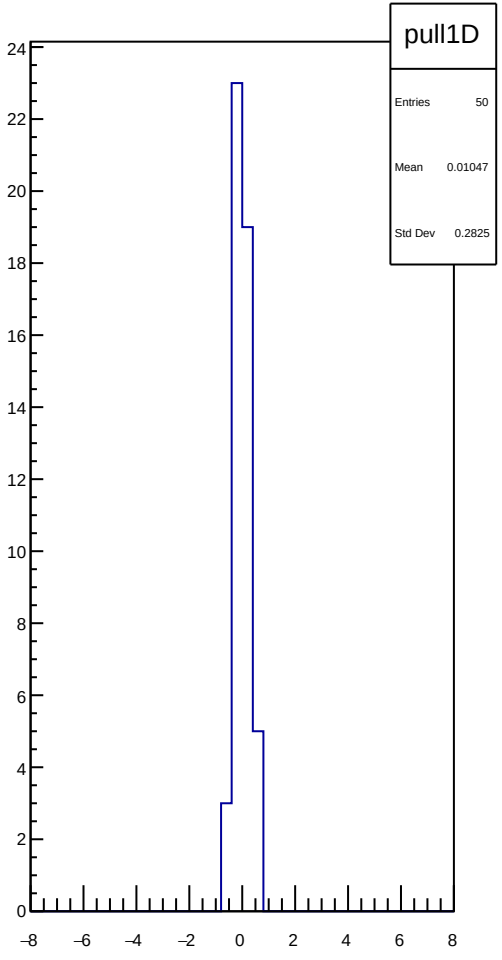

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 3.522 / 49
p0 15.01 ± 0.521
pull
Entries 50
Mean −545.1
Std Dev 0

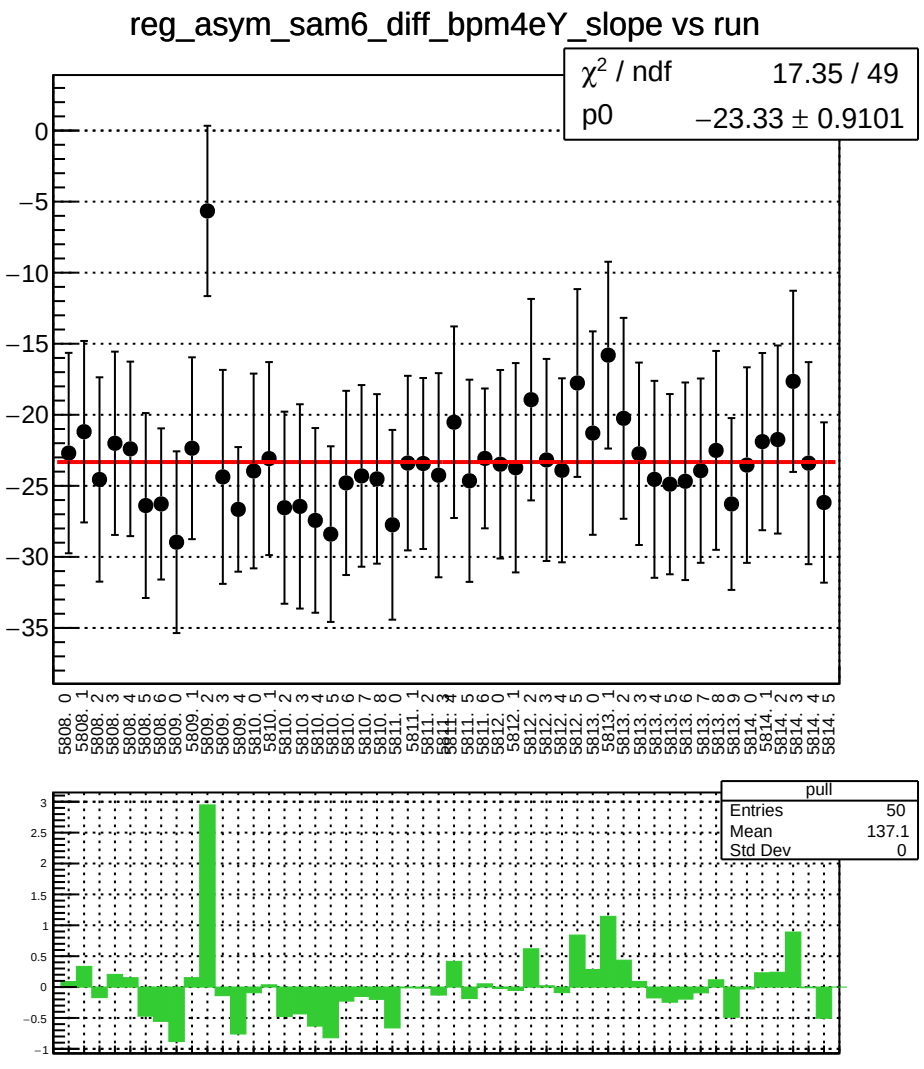

pull1D
Entries 50
Mean 0.001453
Std Dev 0.2654

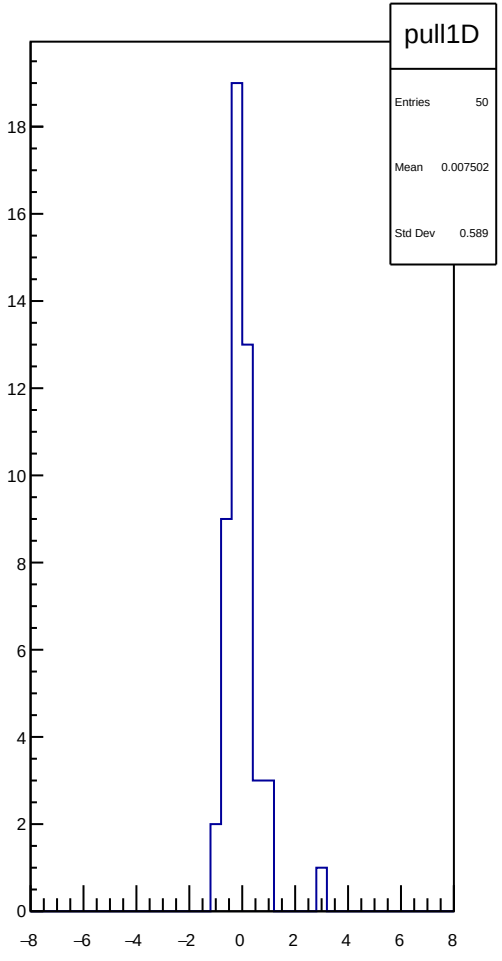

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 27.58 / 49
p0 59.63 ± 0.8319
pull
Entries 50
Mean −225.7
Std Dev 0

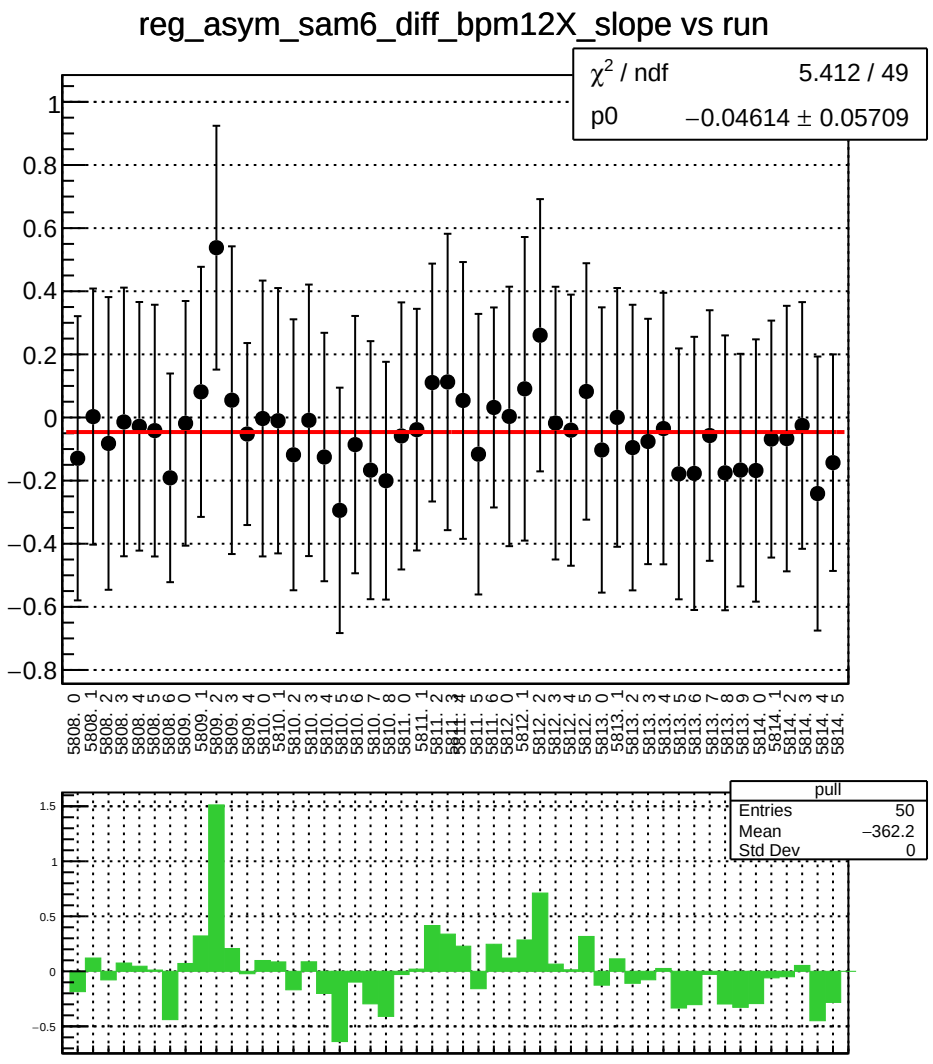

pull1D
Entries 50
Mean 0.003515
Std Dev 0.7426

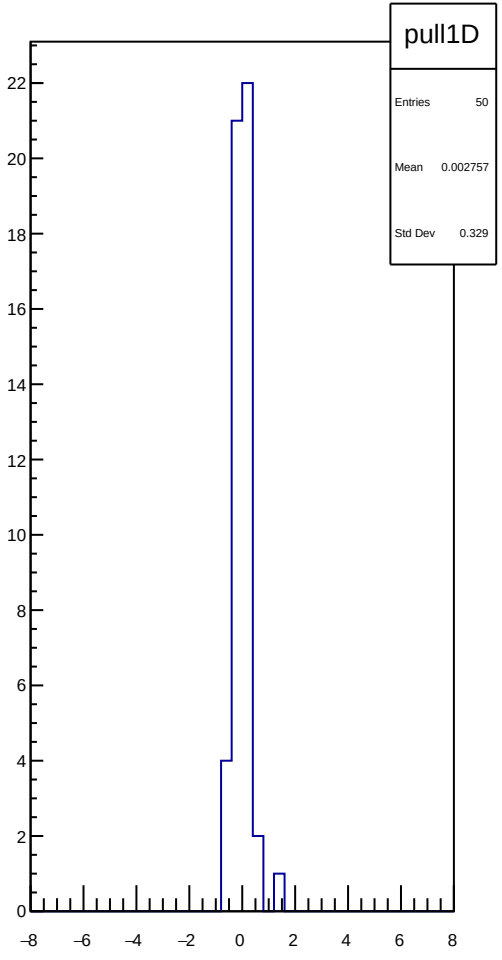

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 3.997 / 49
p0 6.983 ± 0.7464
pull
Entries 50
Mean 122.7
Std Dev 0

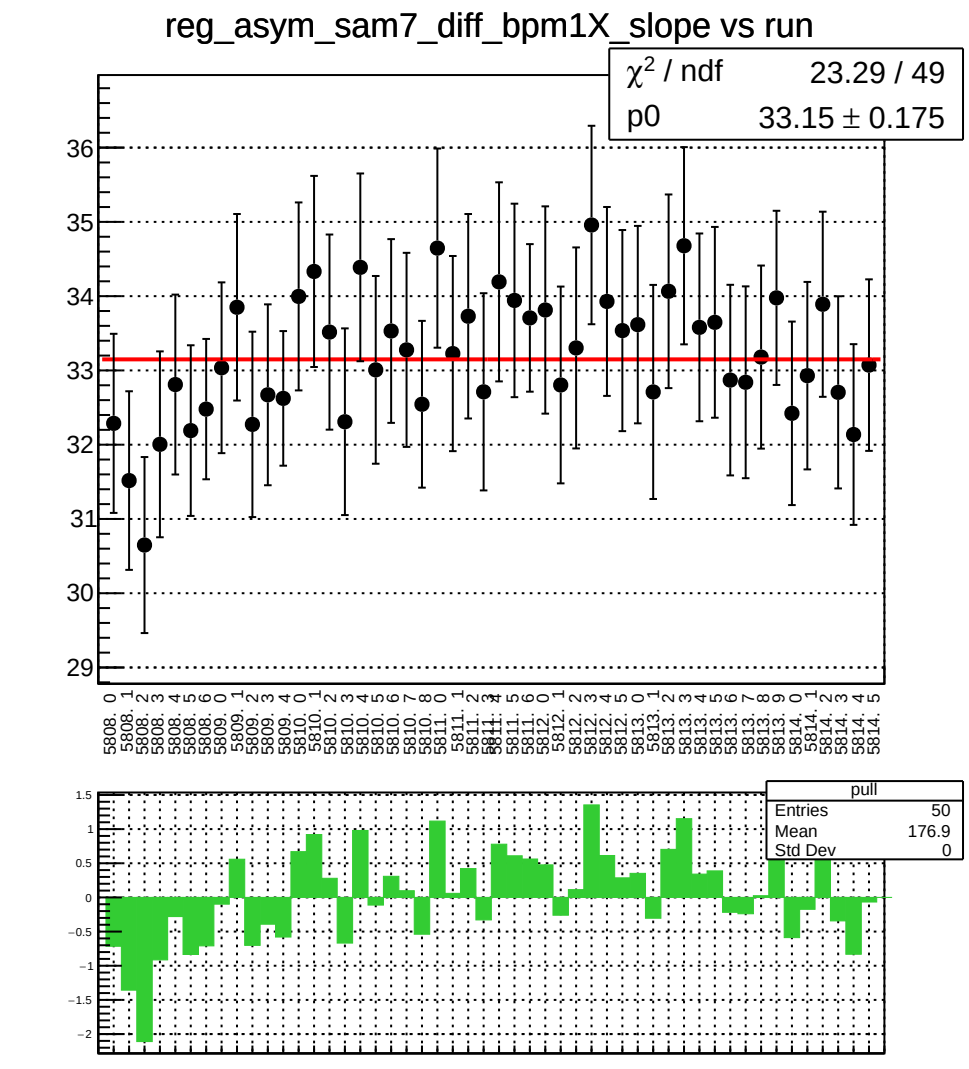

pull1D
Entries 50
Mean 0.01047
Std Dev 0.2825

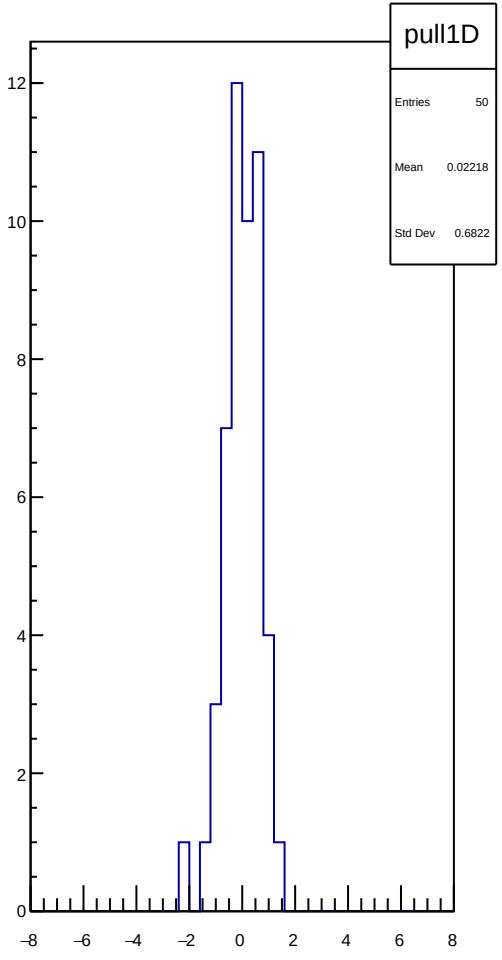

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 17.35 / 49
p0 −23.33 ± 0.9101
pull
Entries 50
Mean 137.1
Std Dev 0

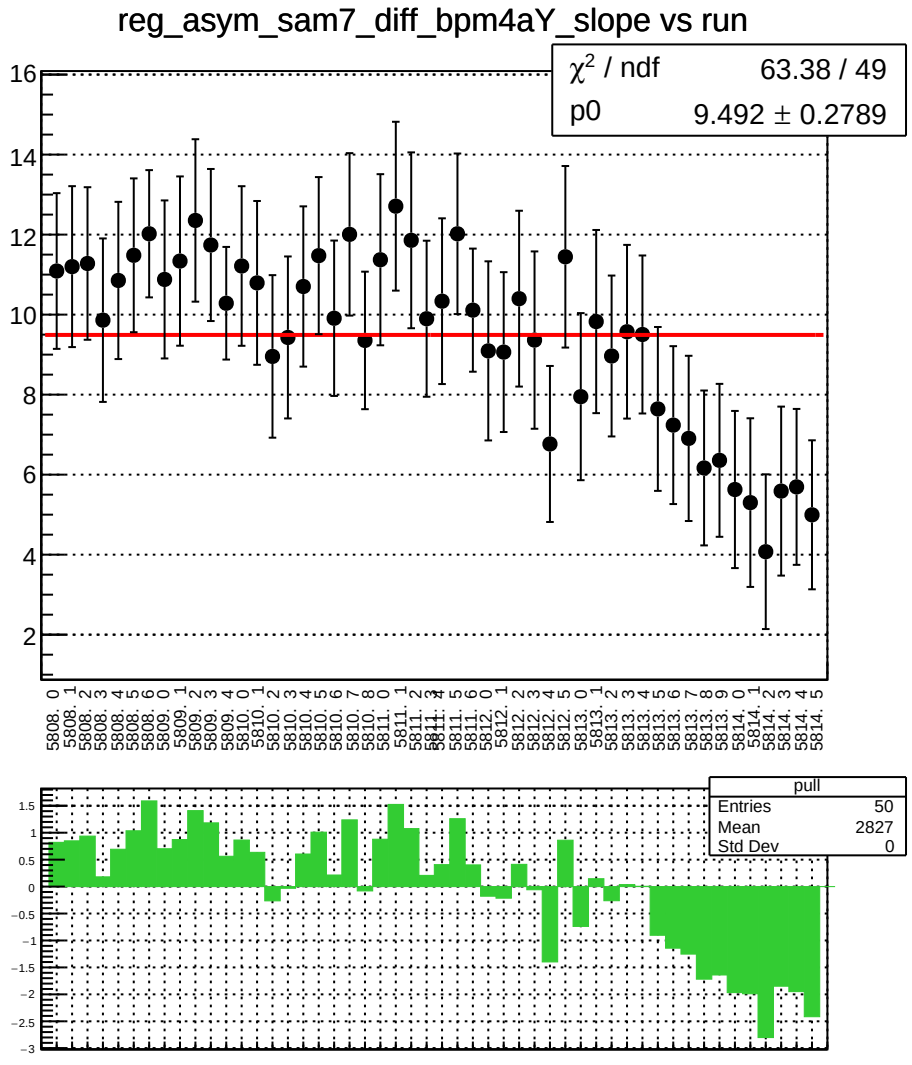

pull1D
Entries 50
Mean 0.007502
Std Dev 0.589

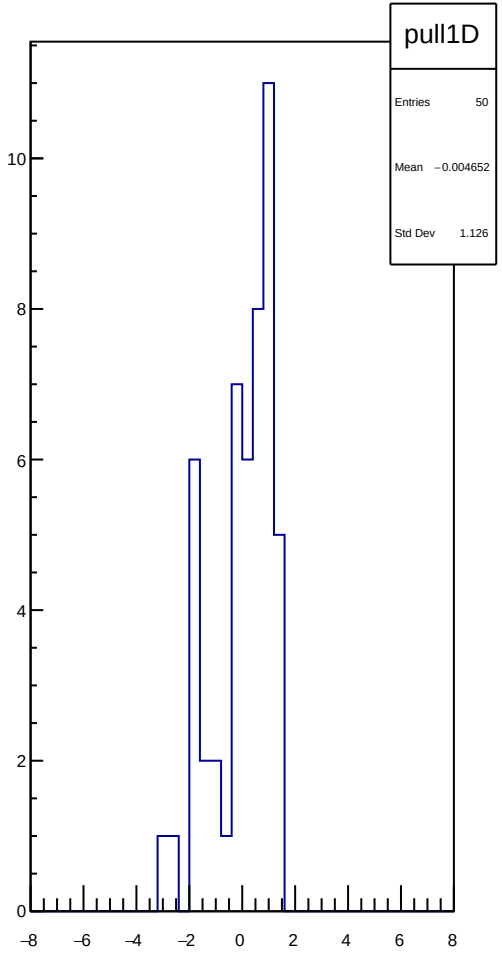

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 5.412 / 49
p0 −0.04614 ± 0.05709
pull
Entries 50
Mean −362.2
Std Dev 0

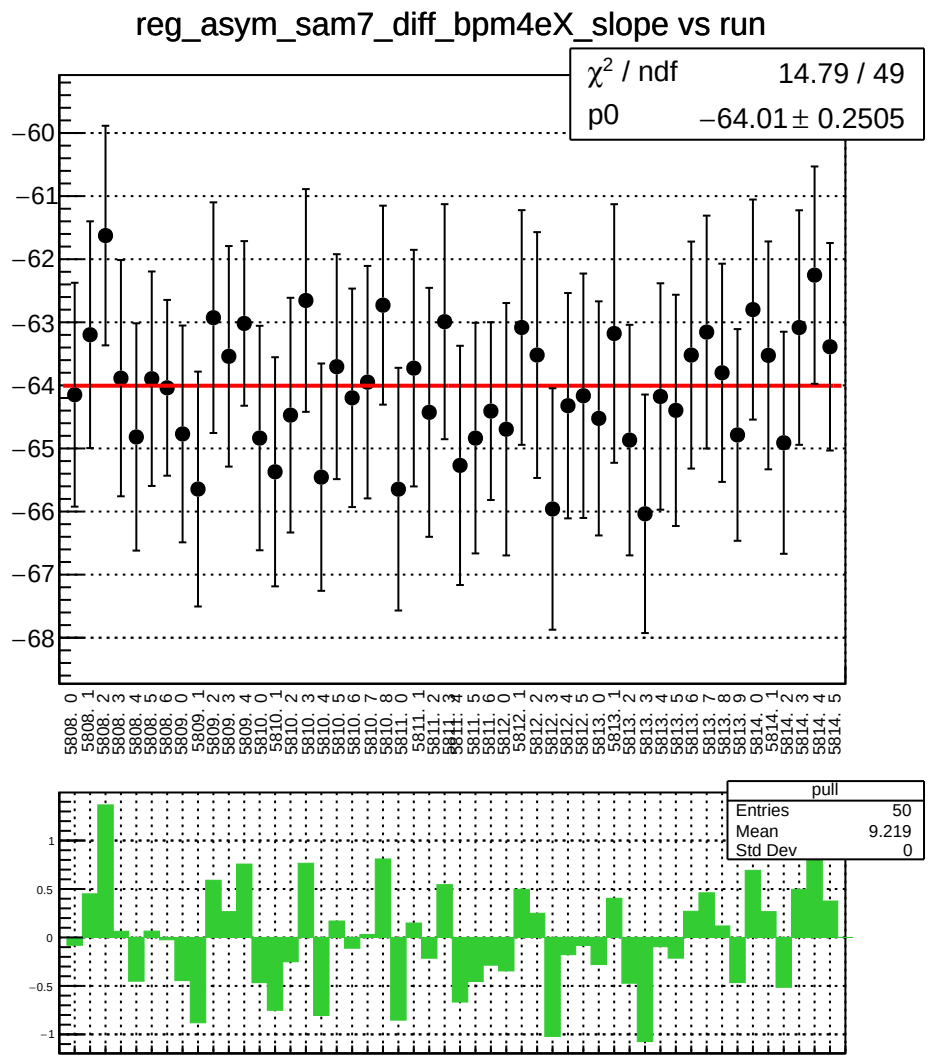

pull1D
Entries 50
Mean 0.002757
Std Dev 0.329

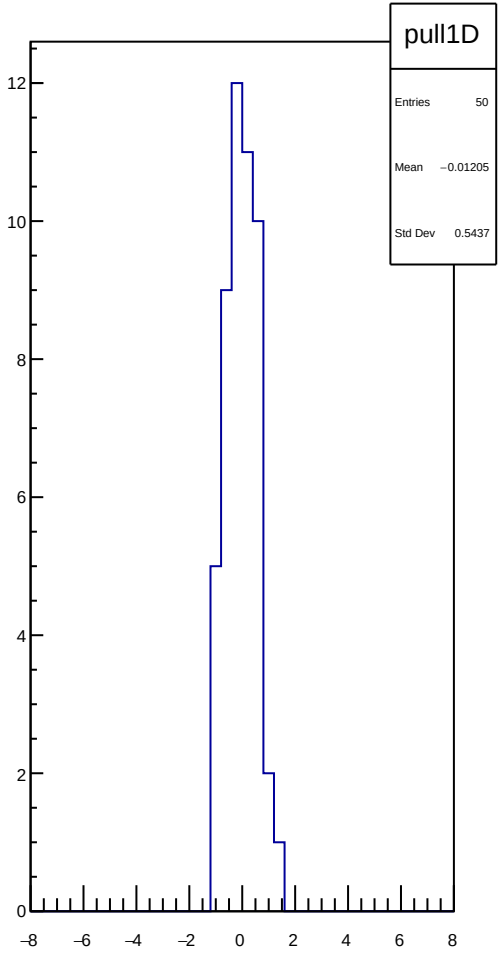

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 23.29 / 49
p0 33.15 ± 0.175
pull
Entries 50
Mean 176.9
Std Dev 0

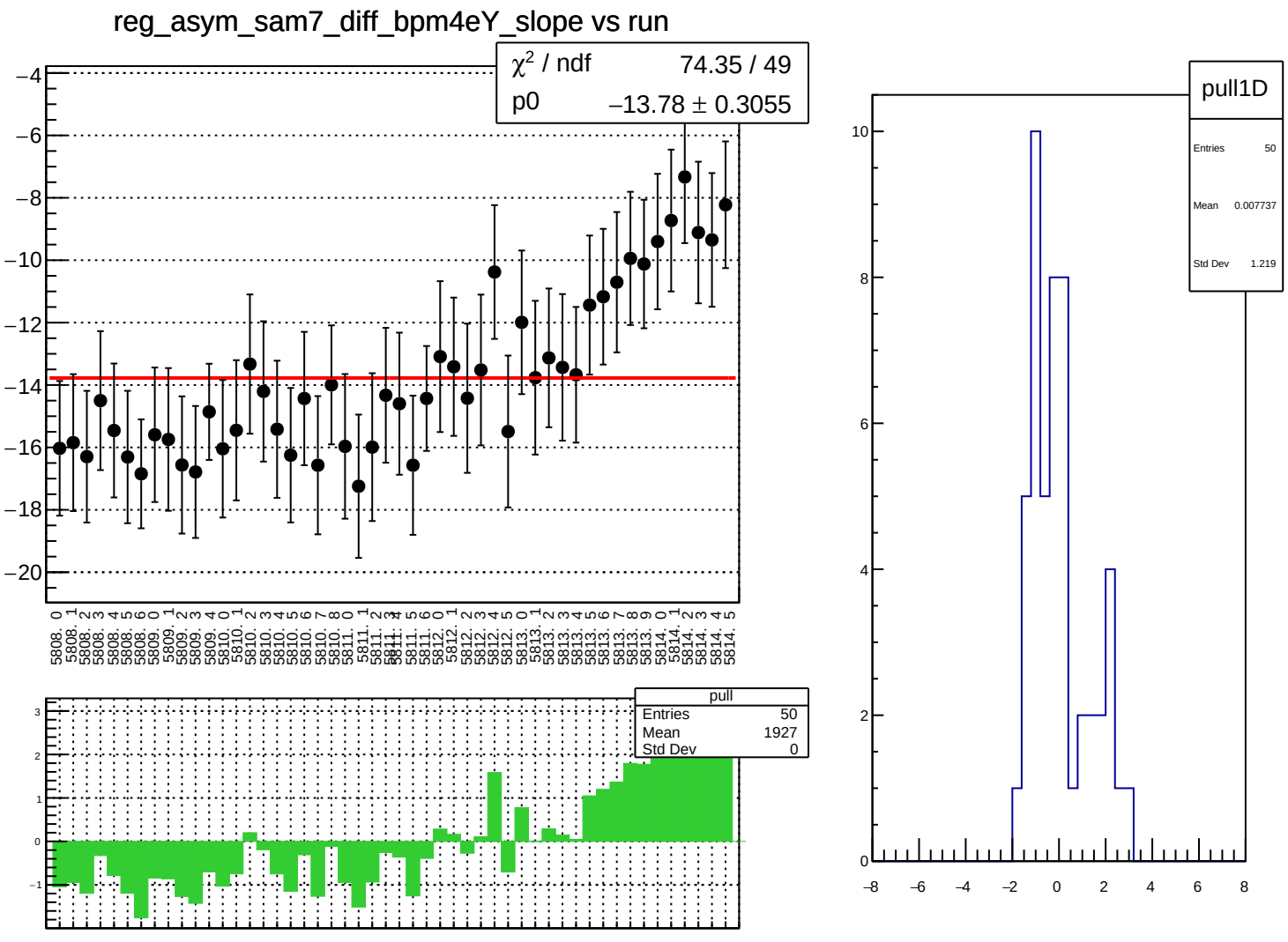

pull1D
Entries 50
Mean 0.02218
Std Dev 0.6822

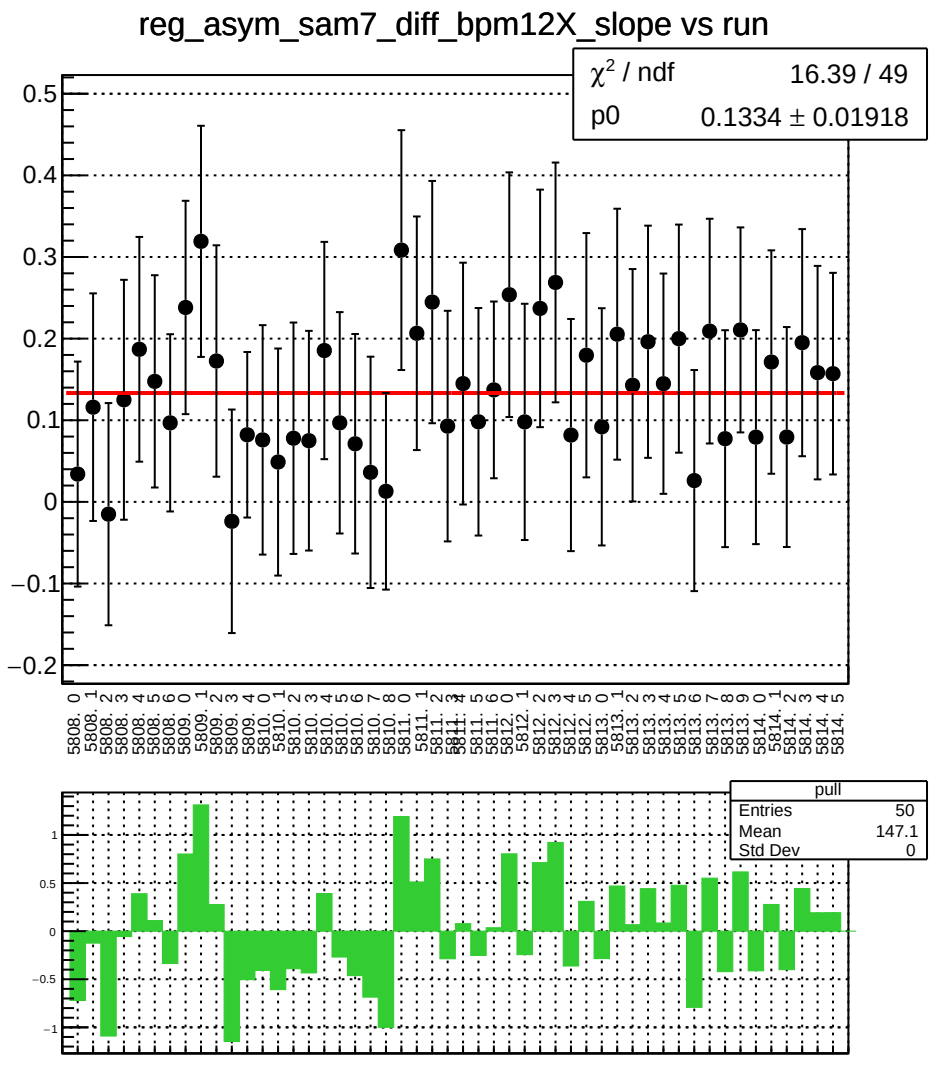

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 63.38 / 49
p0 9.492 ± 0.2789
pull
Entries 50
Mean 2827
Std Dev 0

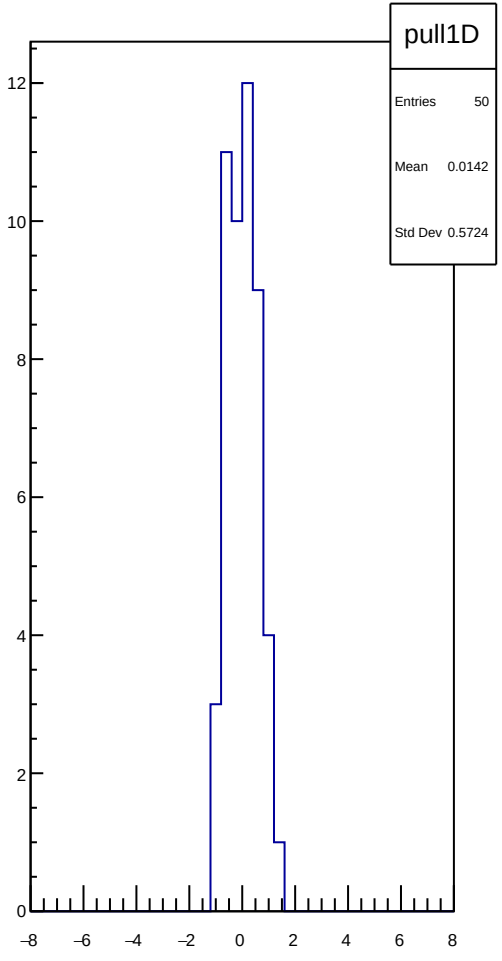

pull1D
Entries 50
Mean −0.004652
Std Dev 1.126

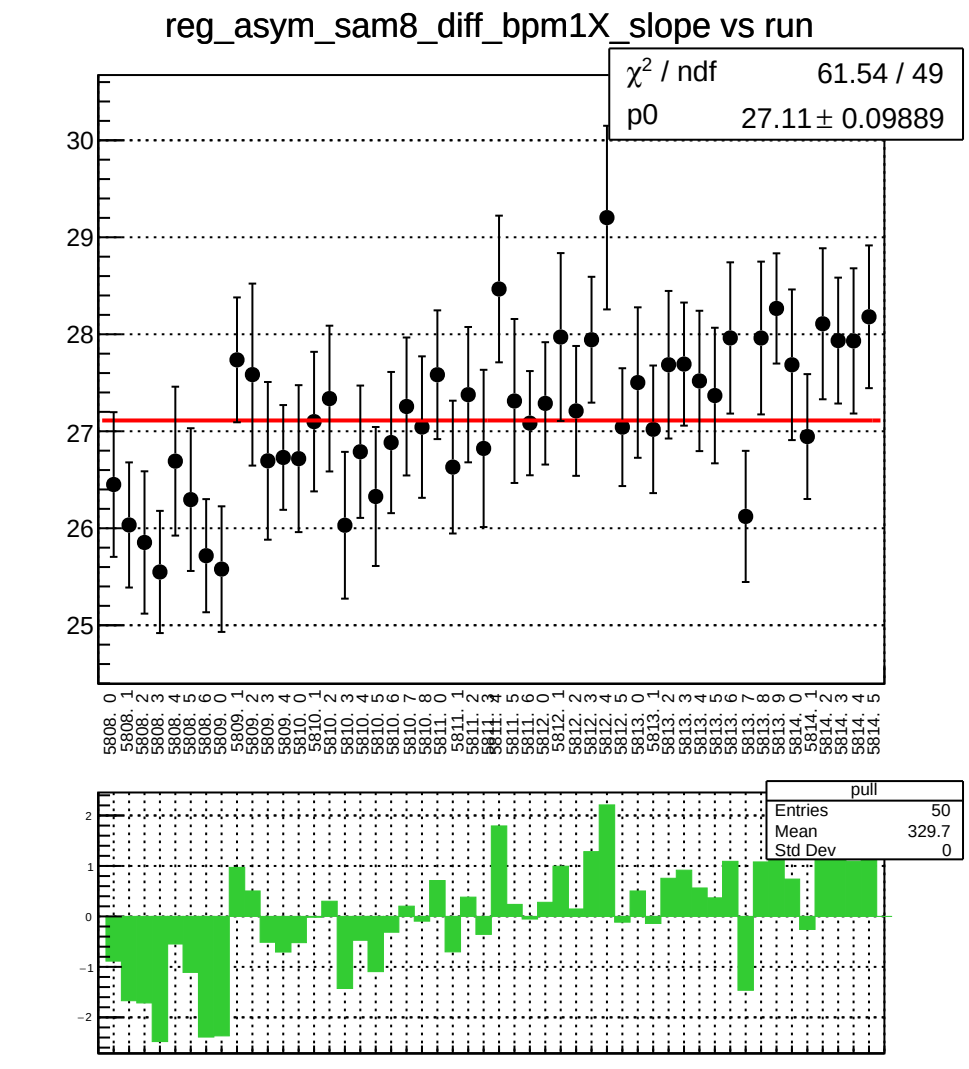

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 14.79 / 49
p0 −64.01 ± 0.2505
pull
Entries 50
Mean 9.219
Std Dev 0

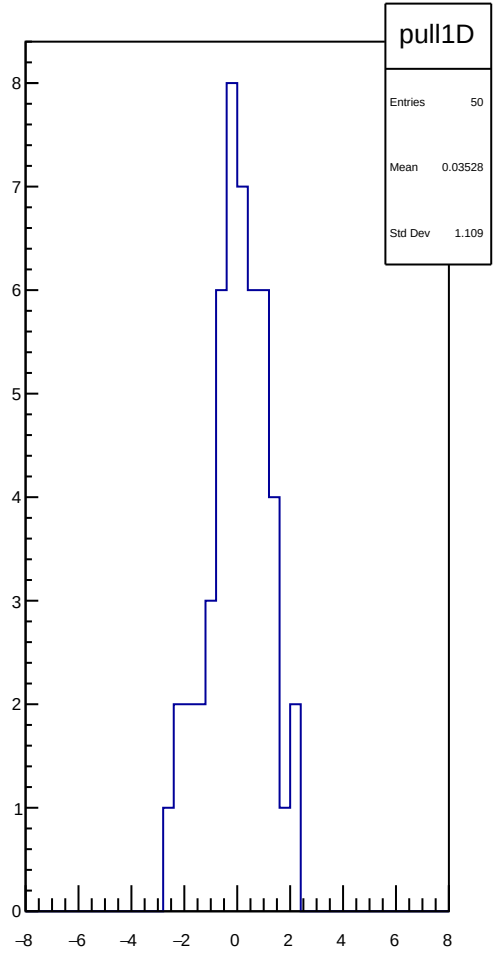

pull1D
Entries 50
Mean −0.01205
Std Dev 0.5437

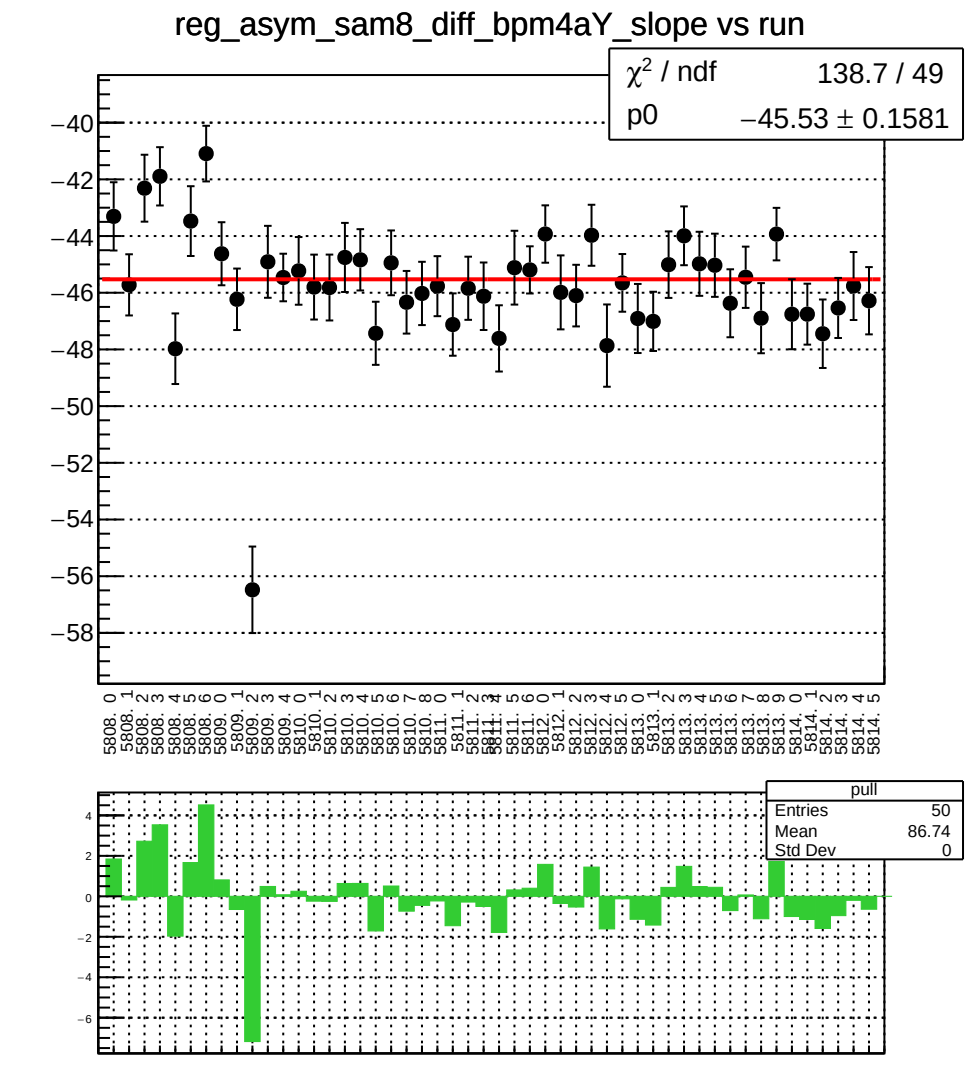

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 74.35 / 49
p0 −13.78 ± 0.3055
pull
Entries 50
Mean 1927
Std Dev 0
pull1D
Entries 50
Mean 0.007737
Std Dev 1.219

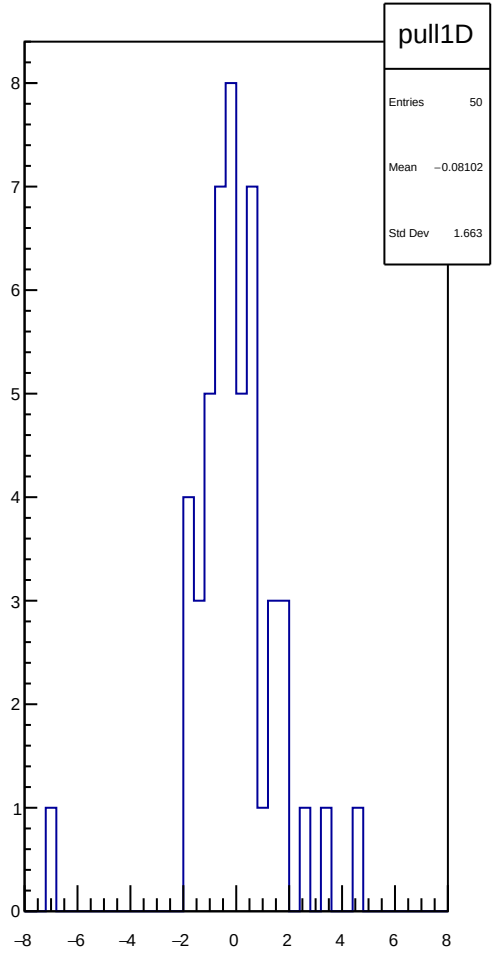

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 16.39 / 49
p0 0.1334 ± 0.01918
pull
Entries 50
Mean 147.1
Std Dev 0

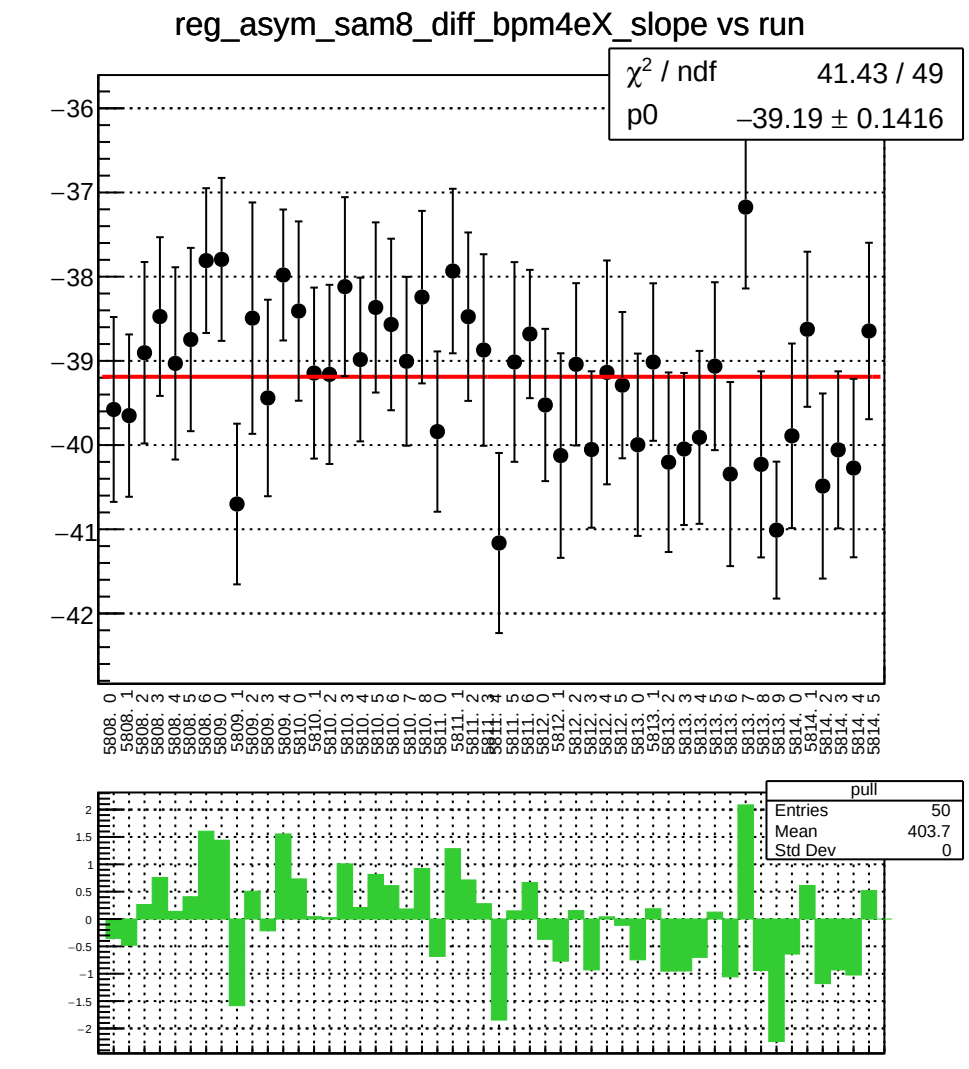

pull1D
Entries 50
Mean 0.0142
Std Dev 0.5724

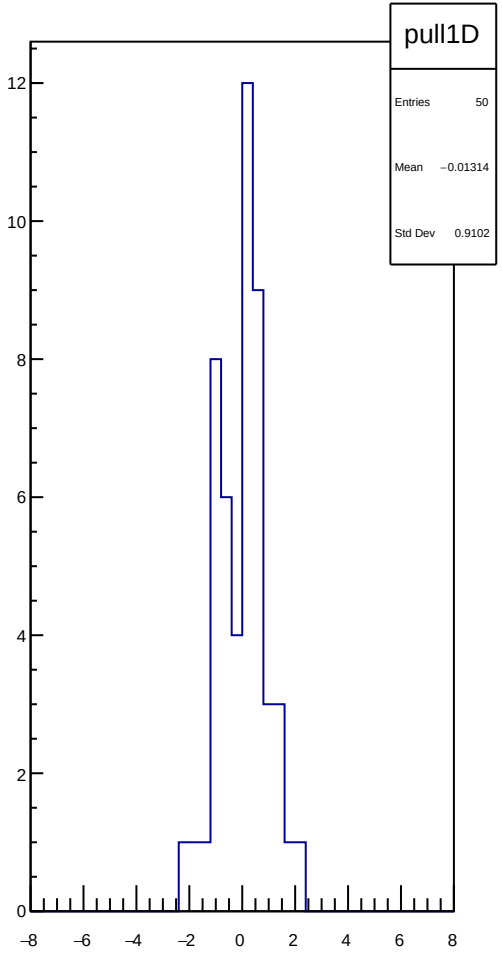

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 61.54 / 49
p0 27.11 ± 0.09889
pull
Entries 50
Mean 329.7
Std Dev 0

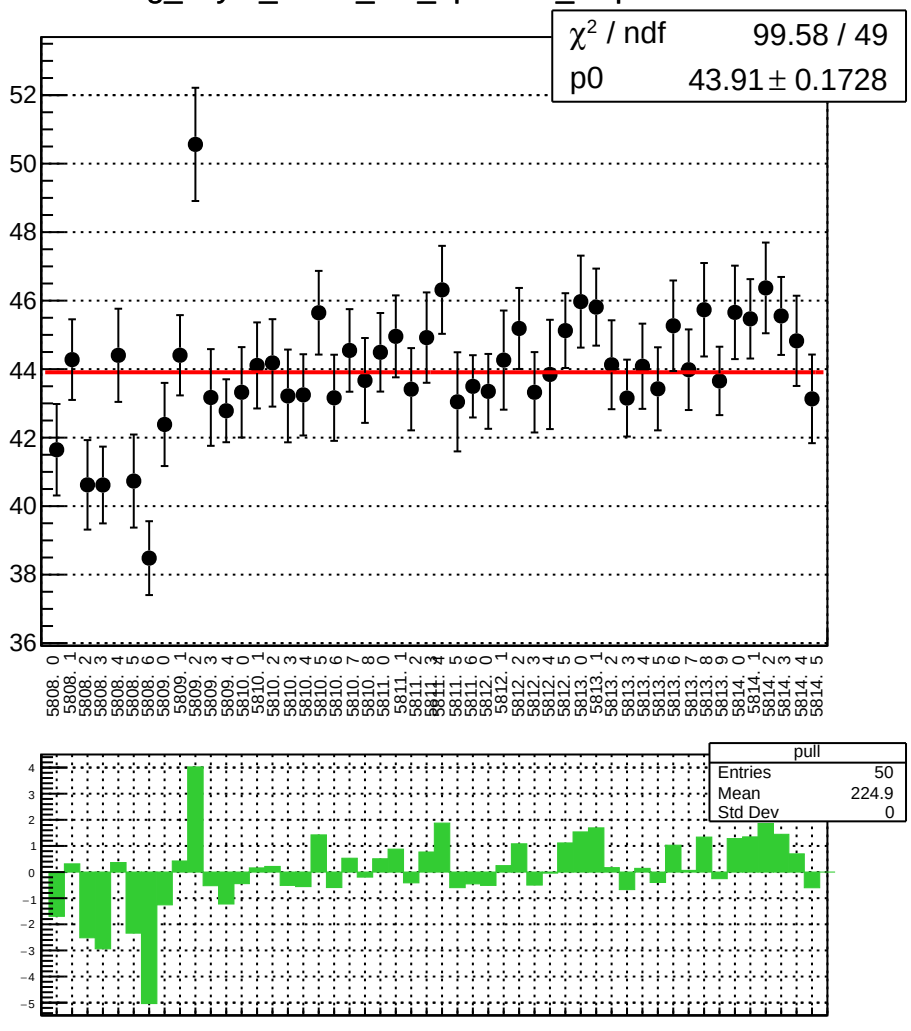

pull1D
Entries 50
Mean 0.03528
Std Dev 1.109

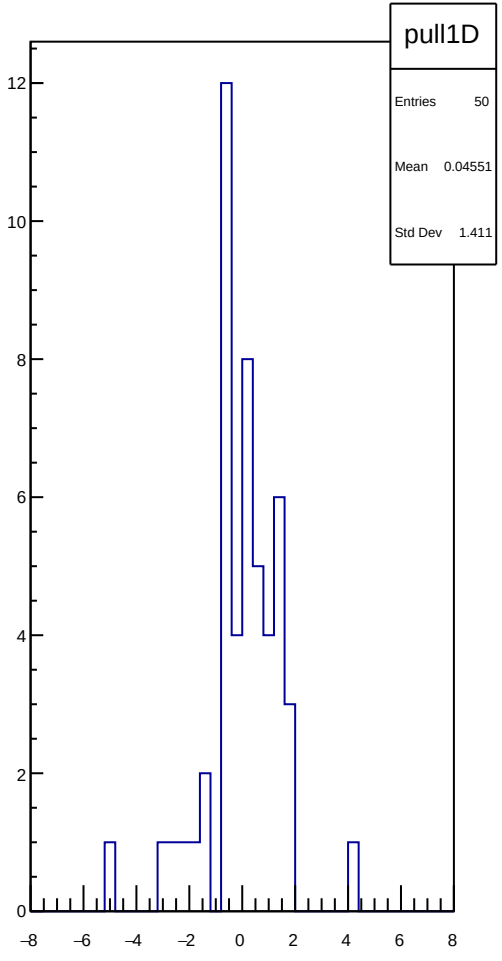

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 138.7 / 49
p0 −45.53 ± 0.1581
pull
Entries 50
Mean 86.74
Std Dev 0

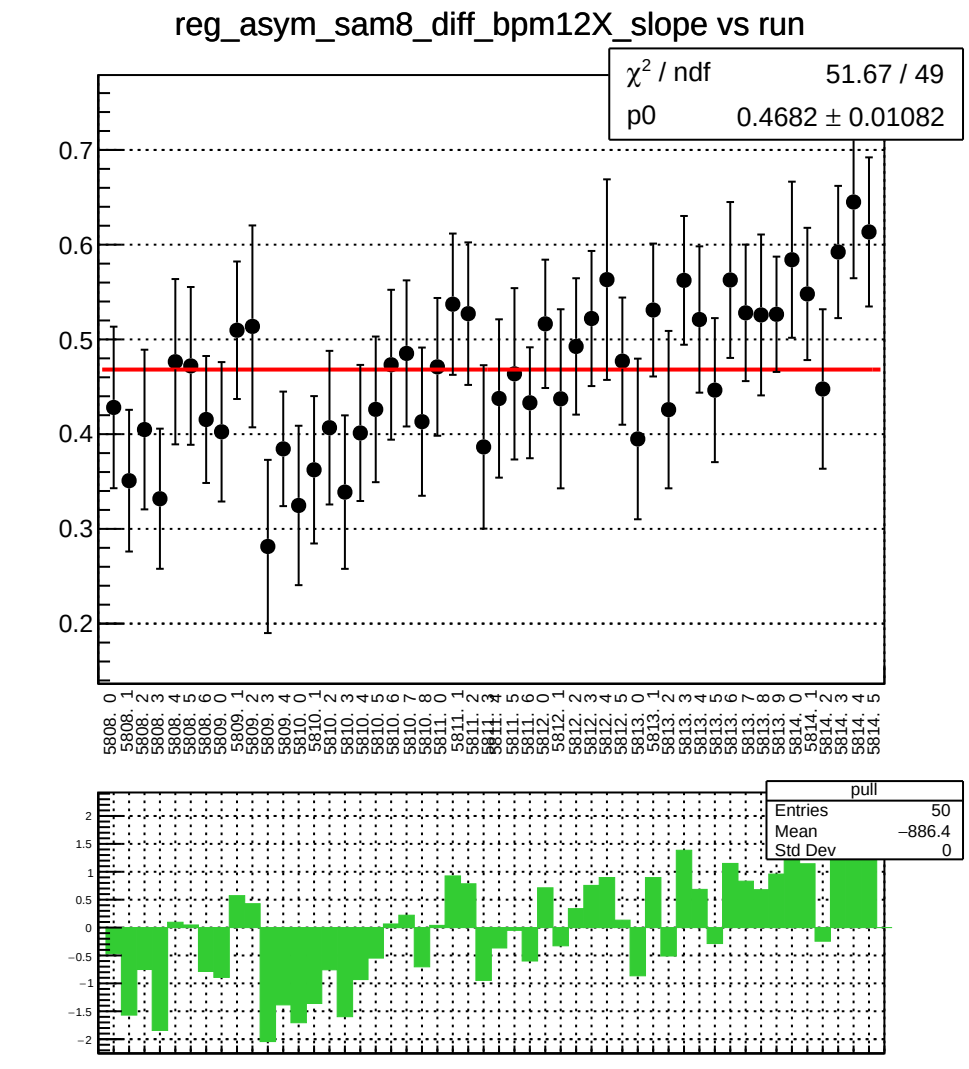

pull1D
Entries 50
Mean −0.08102
Std Dev 1.663

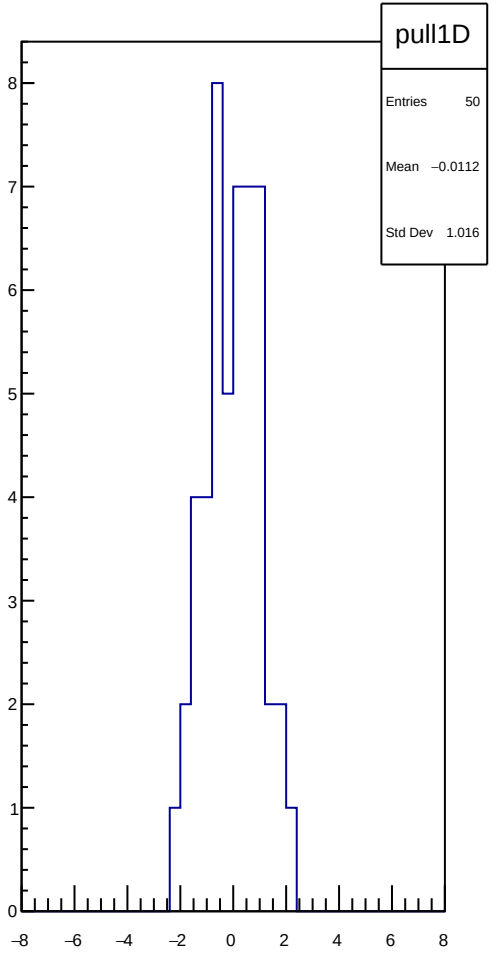

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 41.43 / 49
p0 −39.19 ± 0.1416
pull
Entries 50
Mean 403.7
Std Dev 0

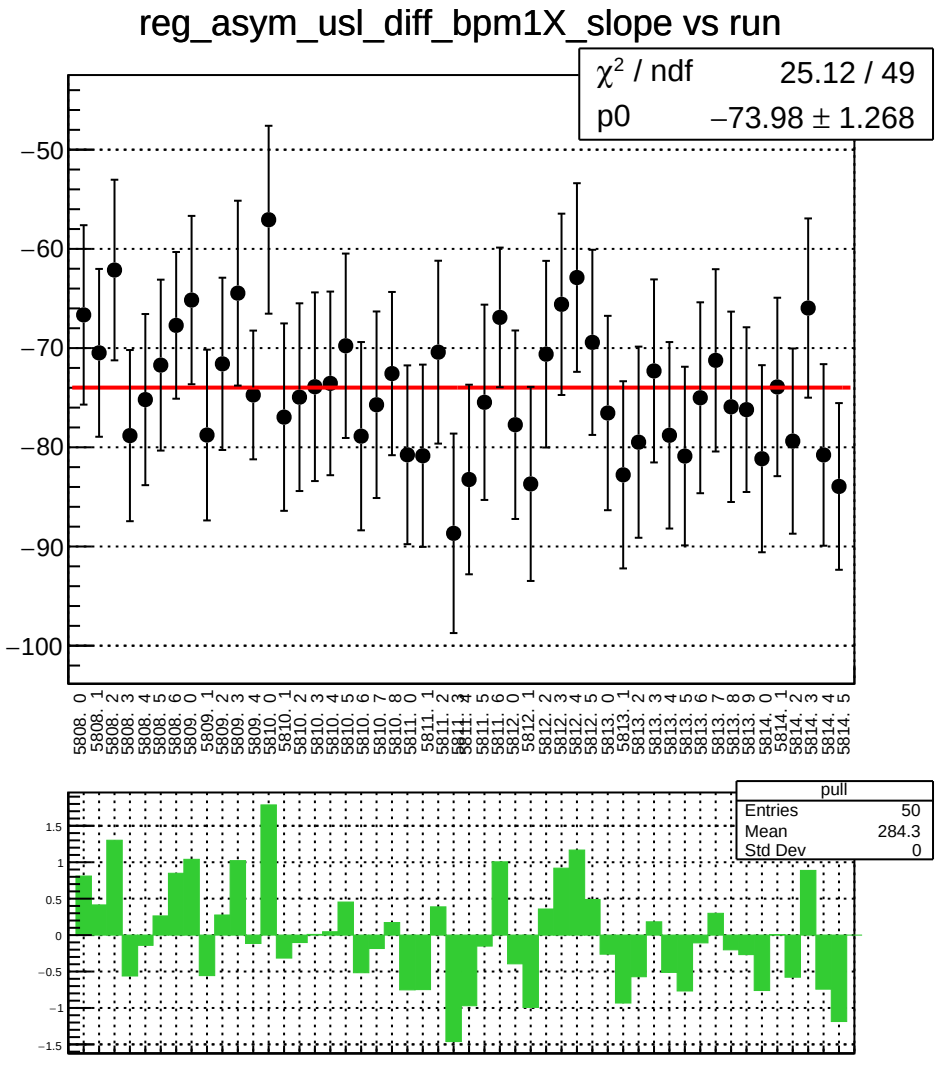

pull1D
Entries 50
Mean −0.01314
Std Dev 0.9102

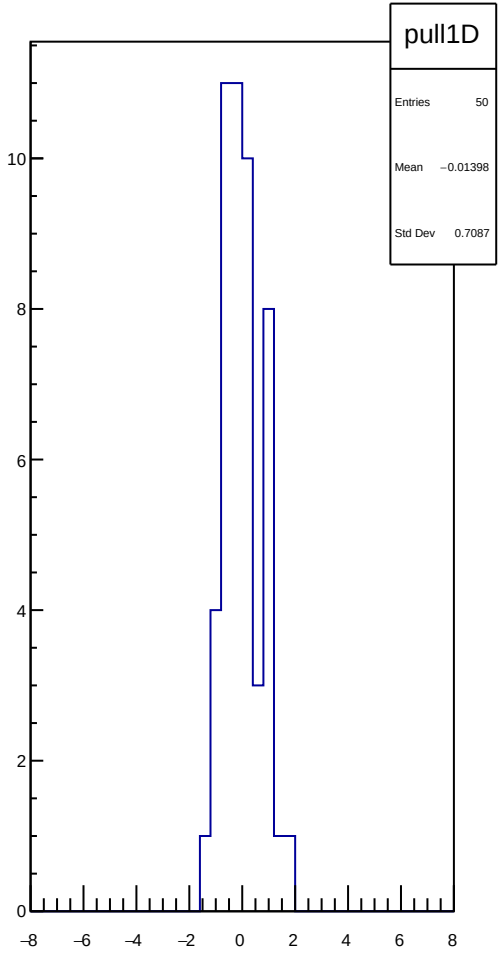

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 99.58 / 49
p0 43.91 ± 0.1728
pull
Entries 50
Mean 224.9
Std Dev 0

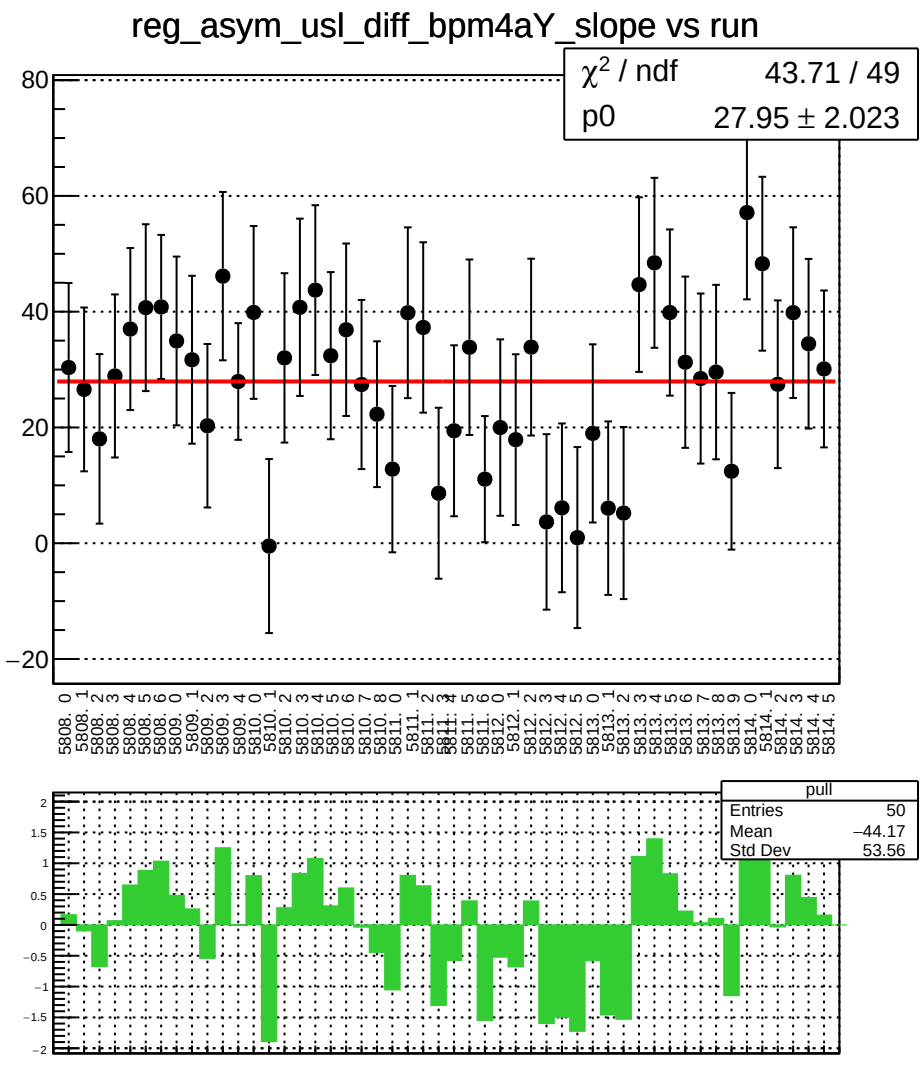

pull1D
Entries 50
Mean 0.04551
Std Dev 1.411

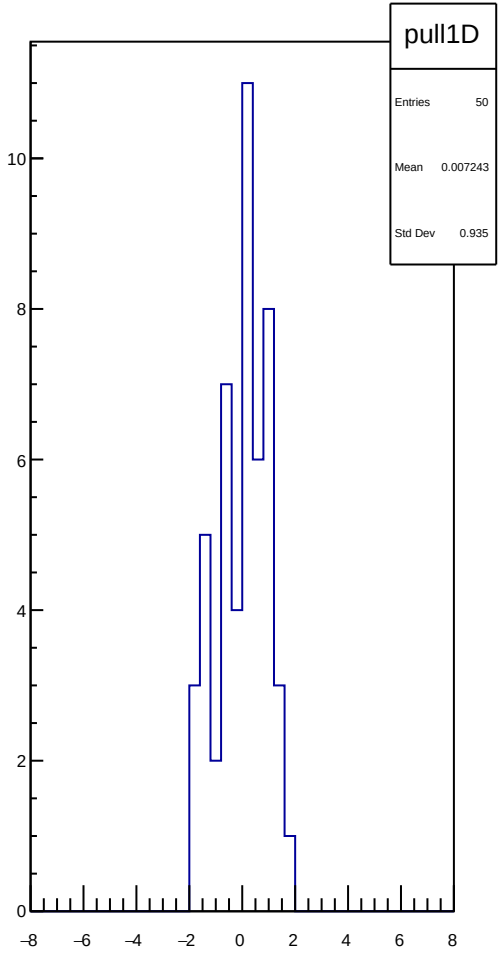

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 51.67 / 49
p0 0.4682 ± 0.01082
pull
Entries 50
Mean −886.4
Std Dev 0

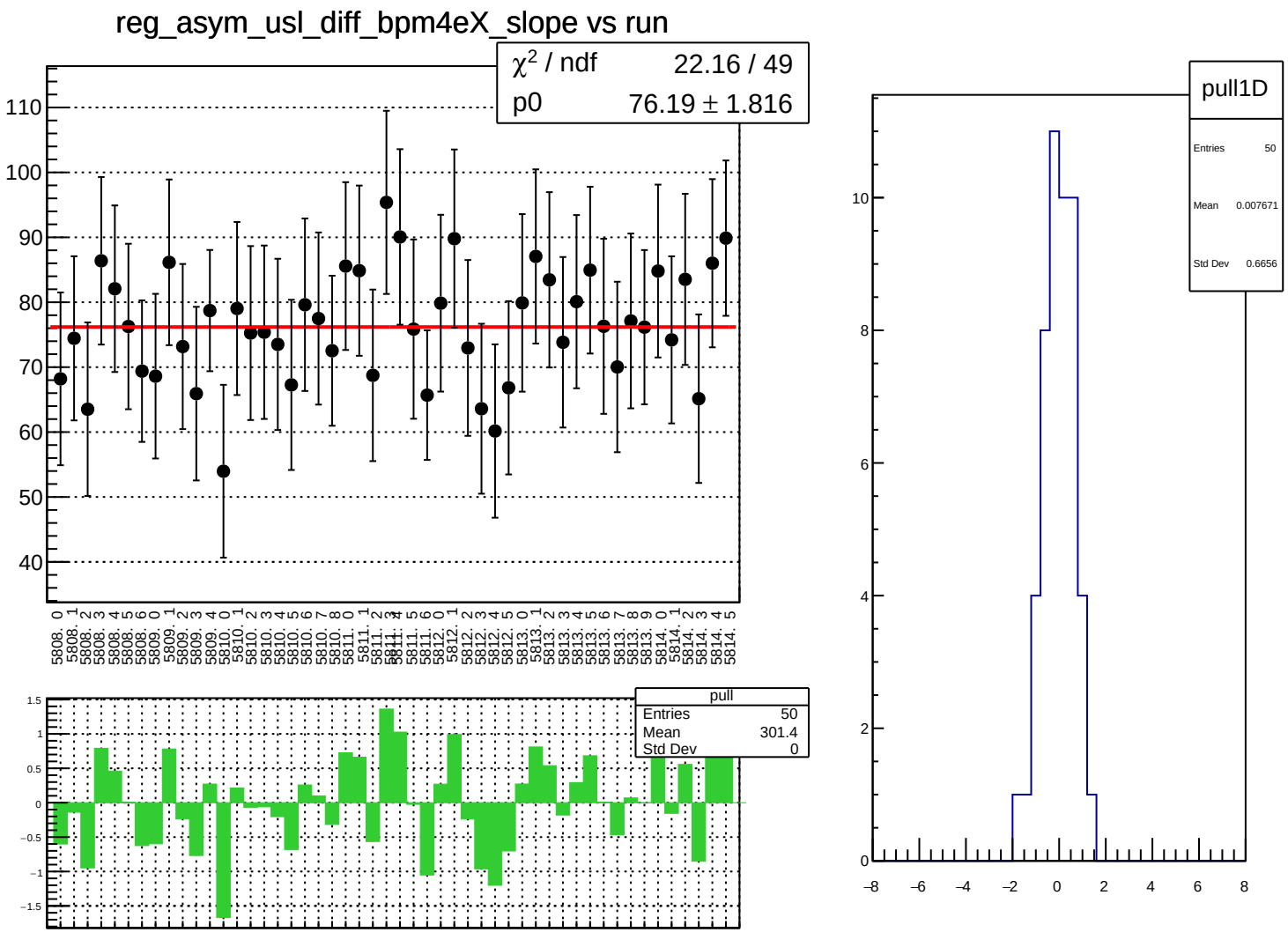

pull1D
Entries 50
Mean −0.0112
Std Dev 1.016

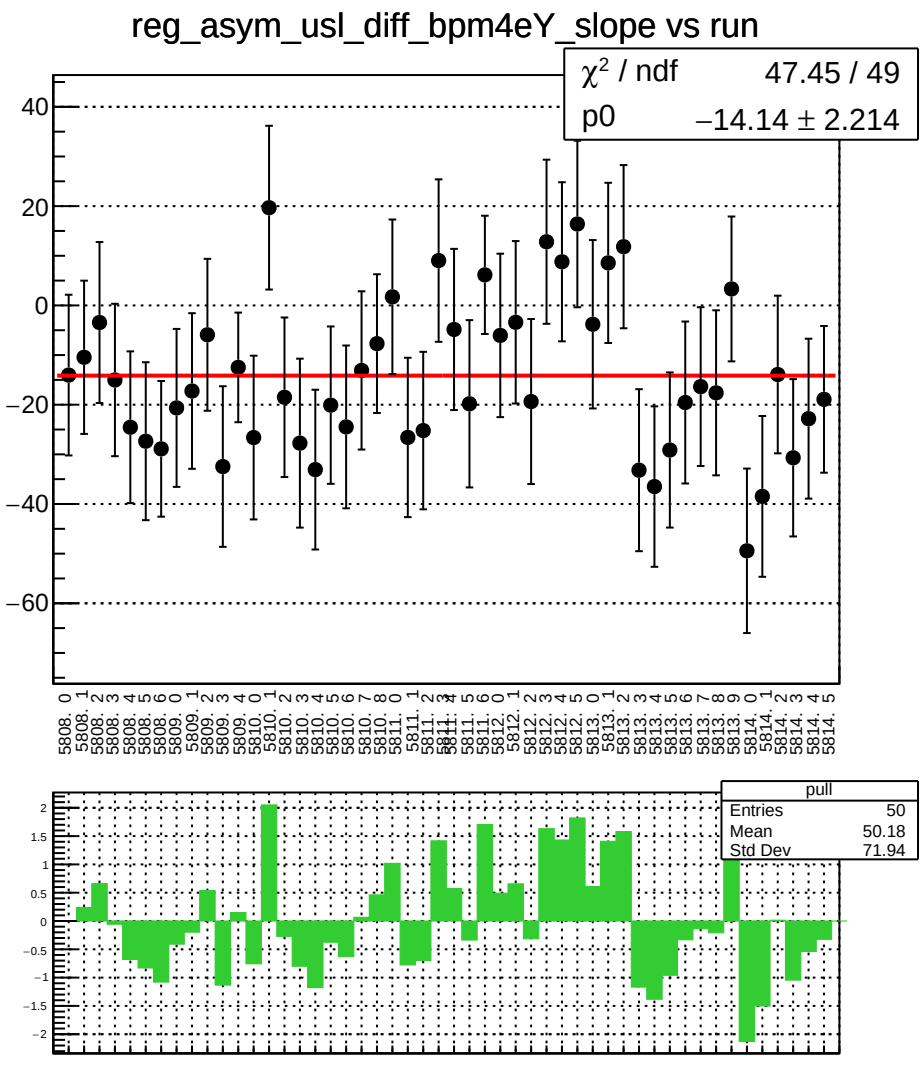

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 25.12 / 49
p0 −73.98 ± 1.268
pull
Entries 50
Mean 284.3
Std Dev 0

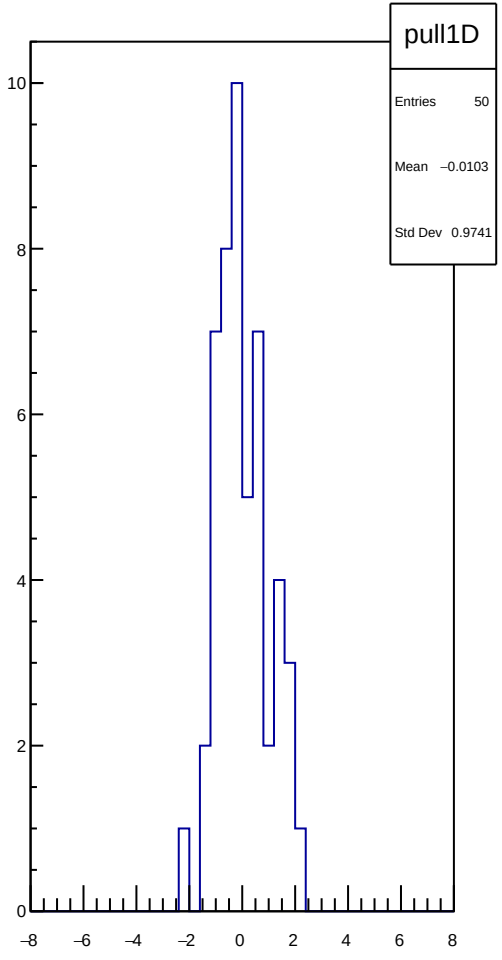

pull1D
Entries 50
Mean −0.01398
Std Dev 0.7087

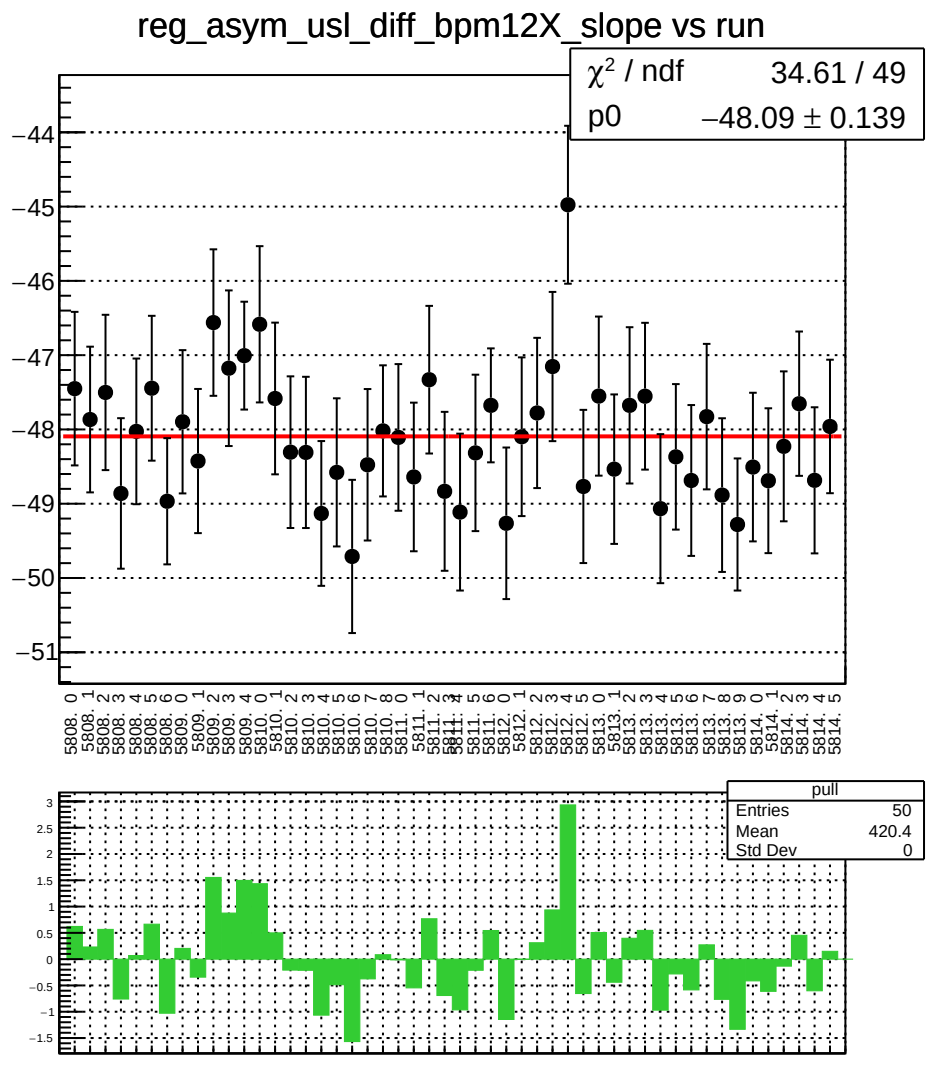

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 43.71 / 49
p0 27.95 ± 2.023
pull
Entries 50
Mean −44.17
Std Dev 53.56

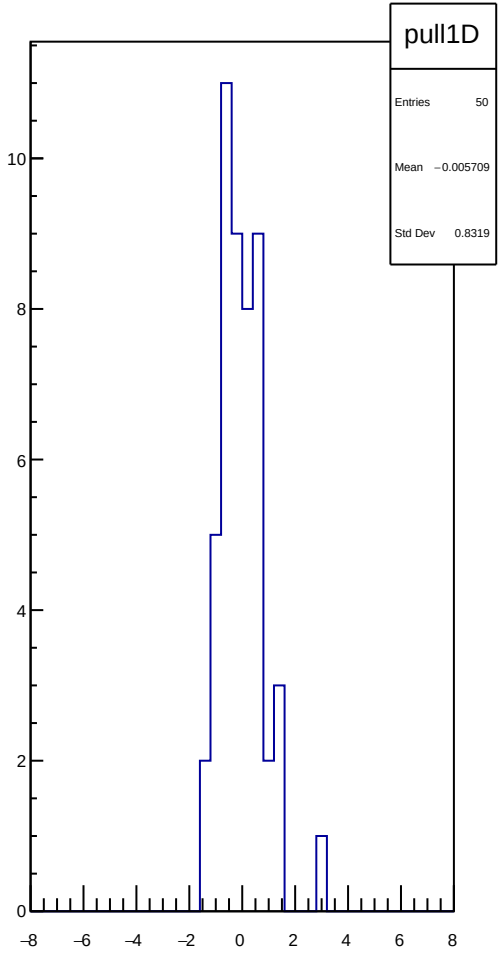

pull1D
Entries 50
Mean 0.007243
Std Dev 0.935

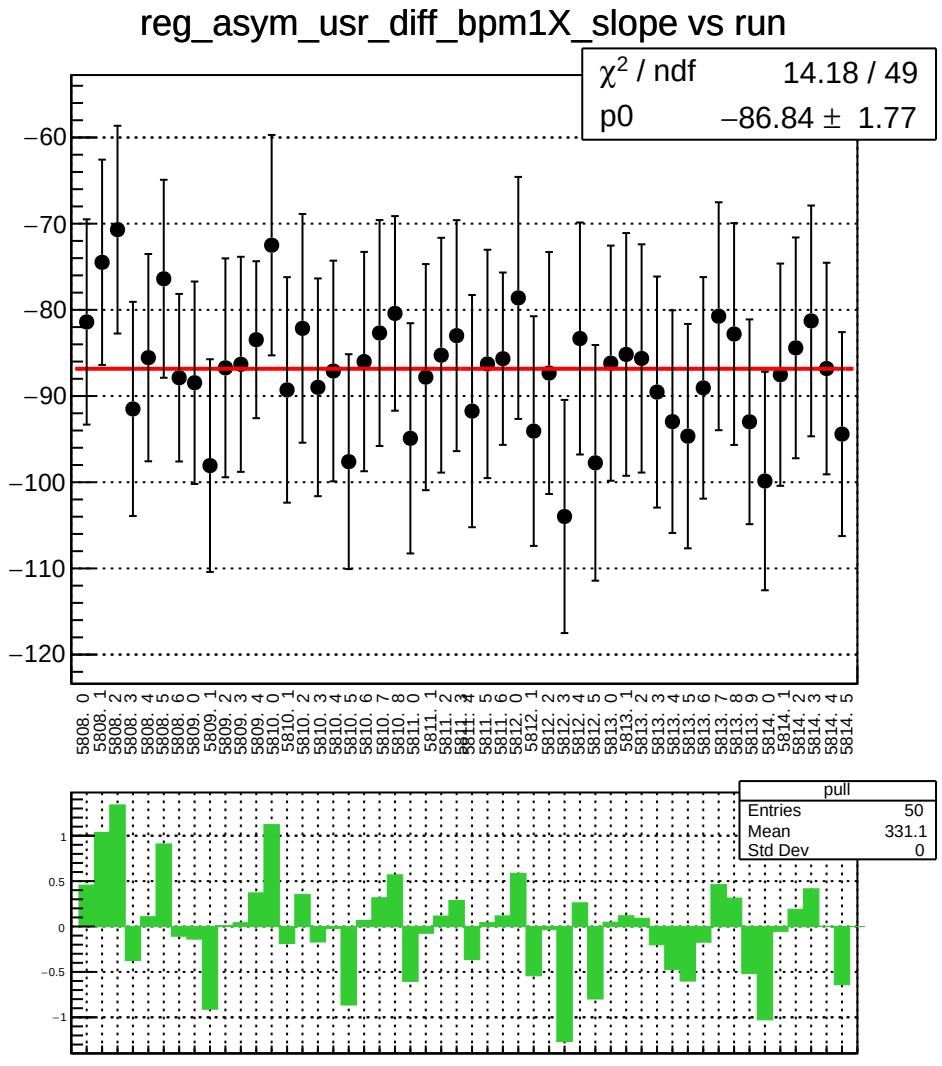

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 22.16 / 49
p0 76.19 ± 1.816
pull
Entries 50
Mean 301.4
Std Dev 0
pull1D
Entries 50
Mean 0.007671
Std Dev 0.6656

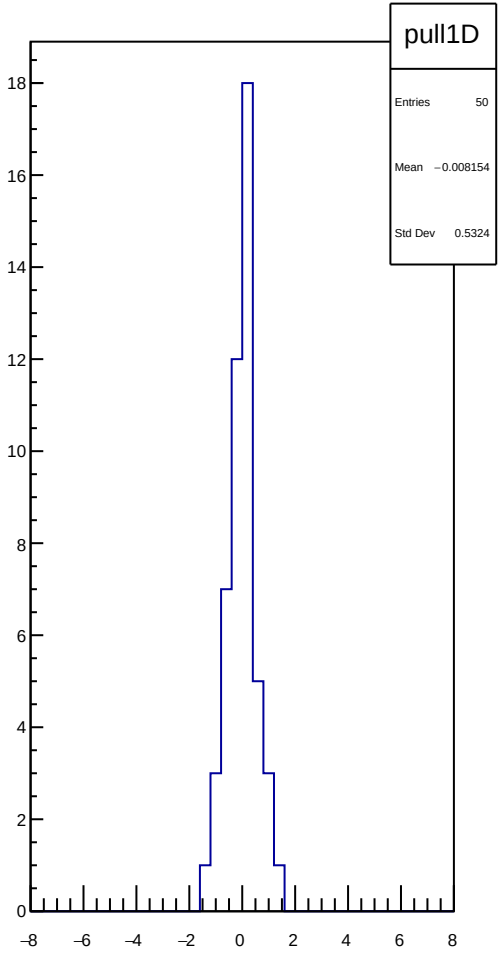

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 47.45 / 49
p0 −14.14 ± 2.214
pull
Entries 50
Mean 50.18
Std Dev 71.94

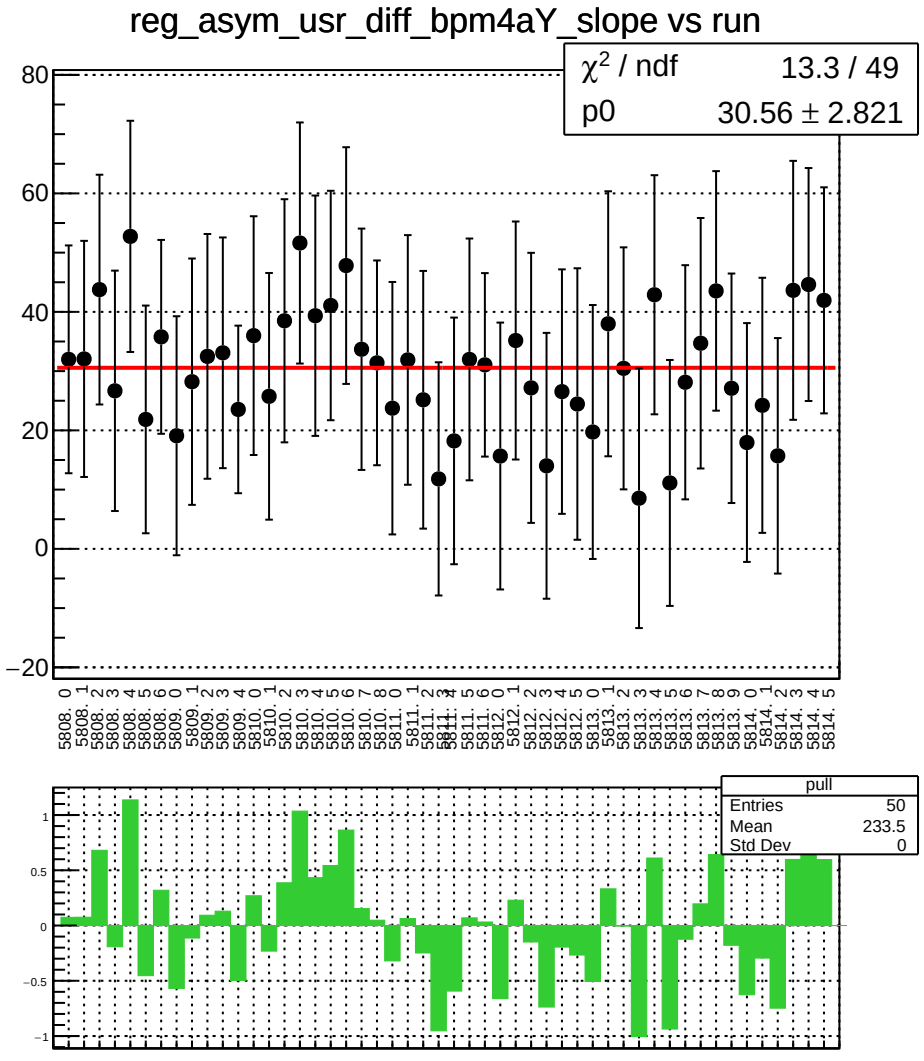

pull1D
Entries 50
Mean −0.0103
Std Dev 0.9741

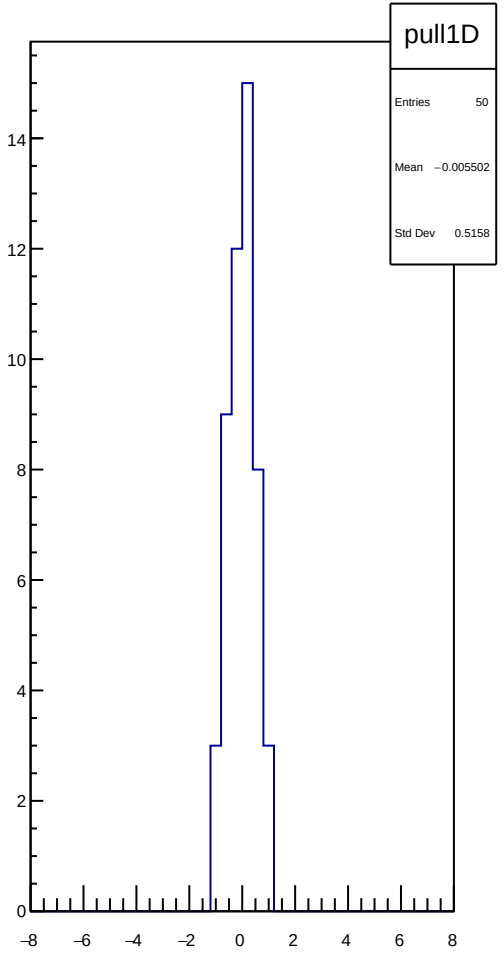

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 34.61 / 49
p0 −48.09 ± 0.139
pull
Entries 50
Mean 420.4
Std Dev 0

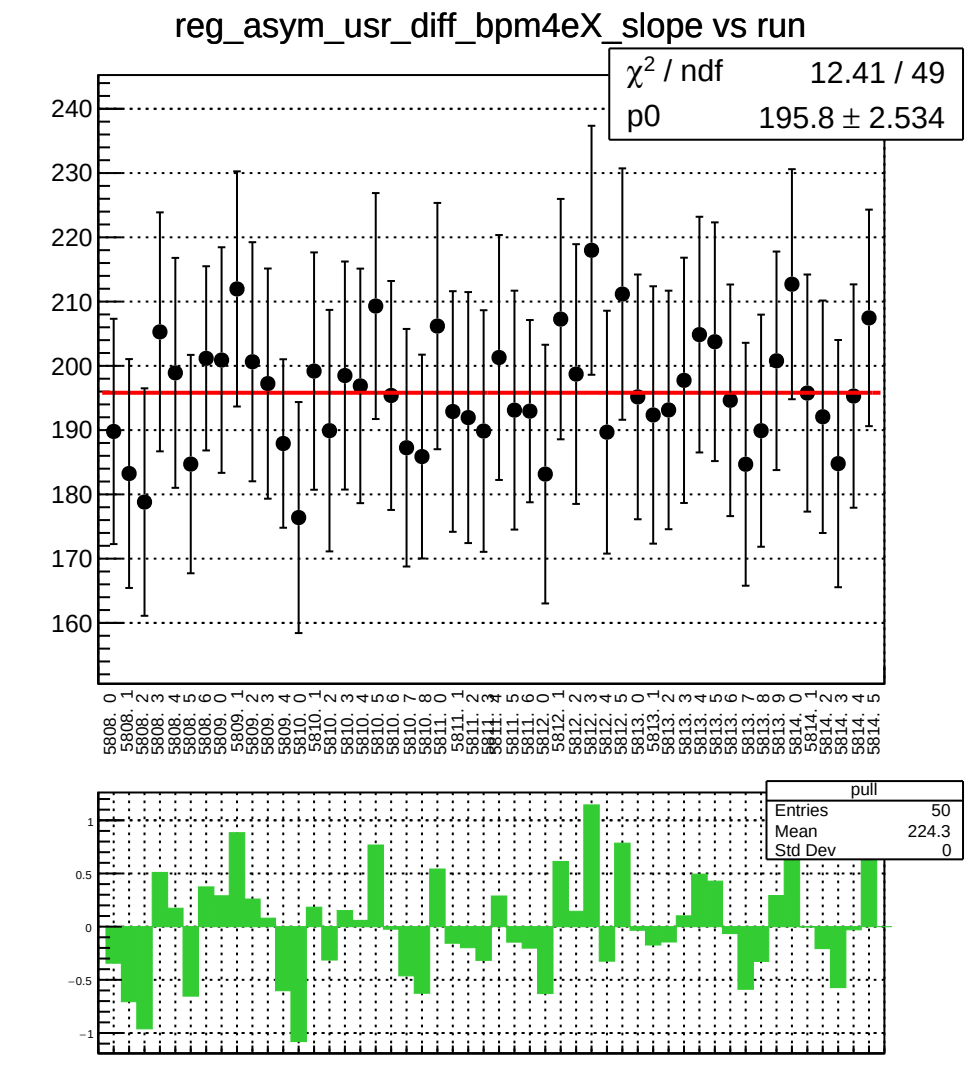

pull1D
Entries 50
Mean −0.005709
Std Dev 0.8319

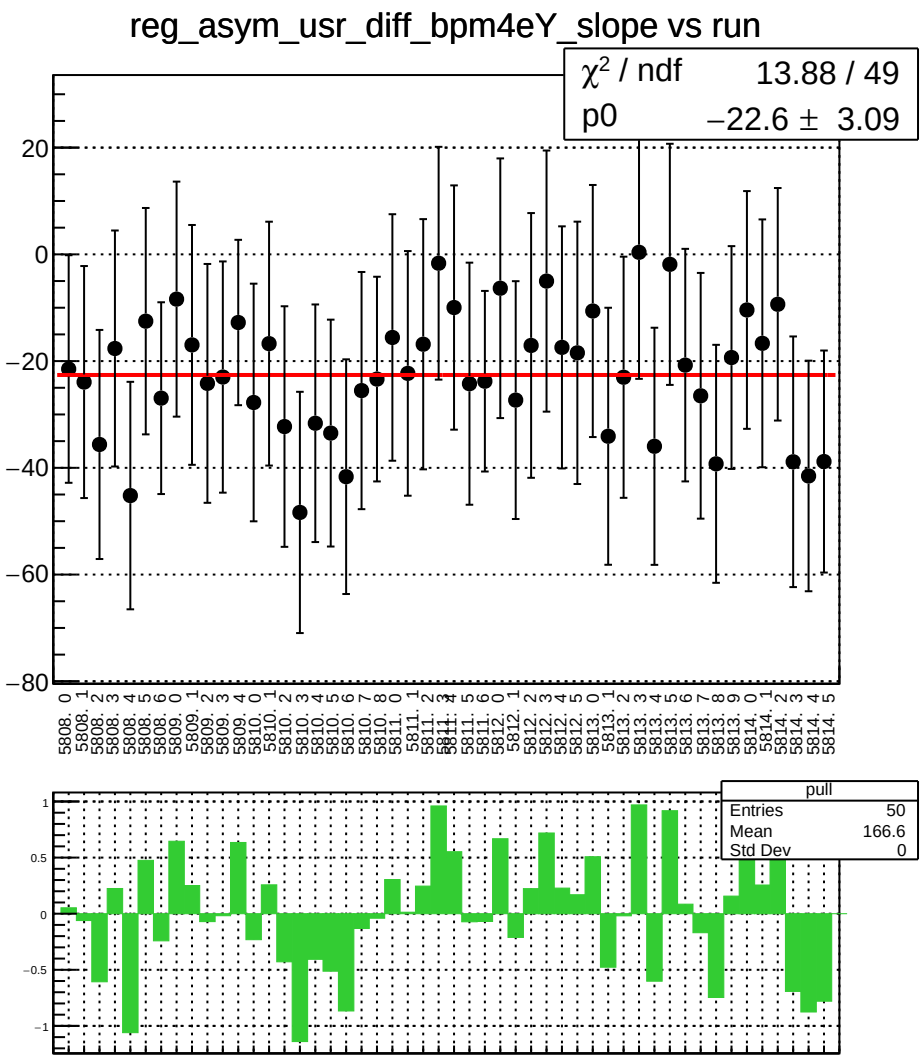

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 14.18 / 49
p0 −86.84 ± 1.77
pull
Entries 50
Mean 331.1
Std Dev 0

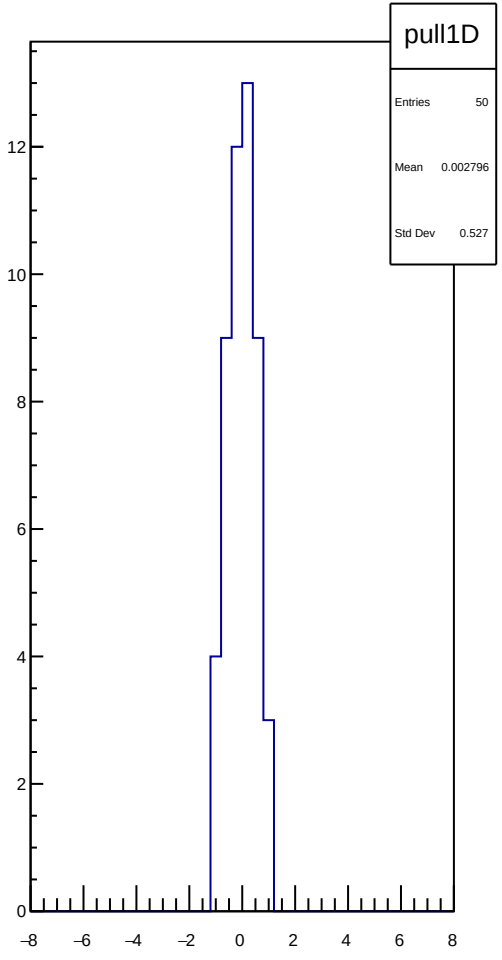

pull1D
Entries 50
Mean −0.008154
Std Dev 0.5324

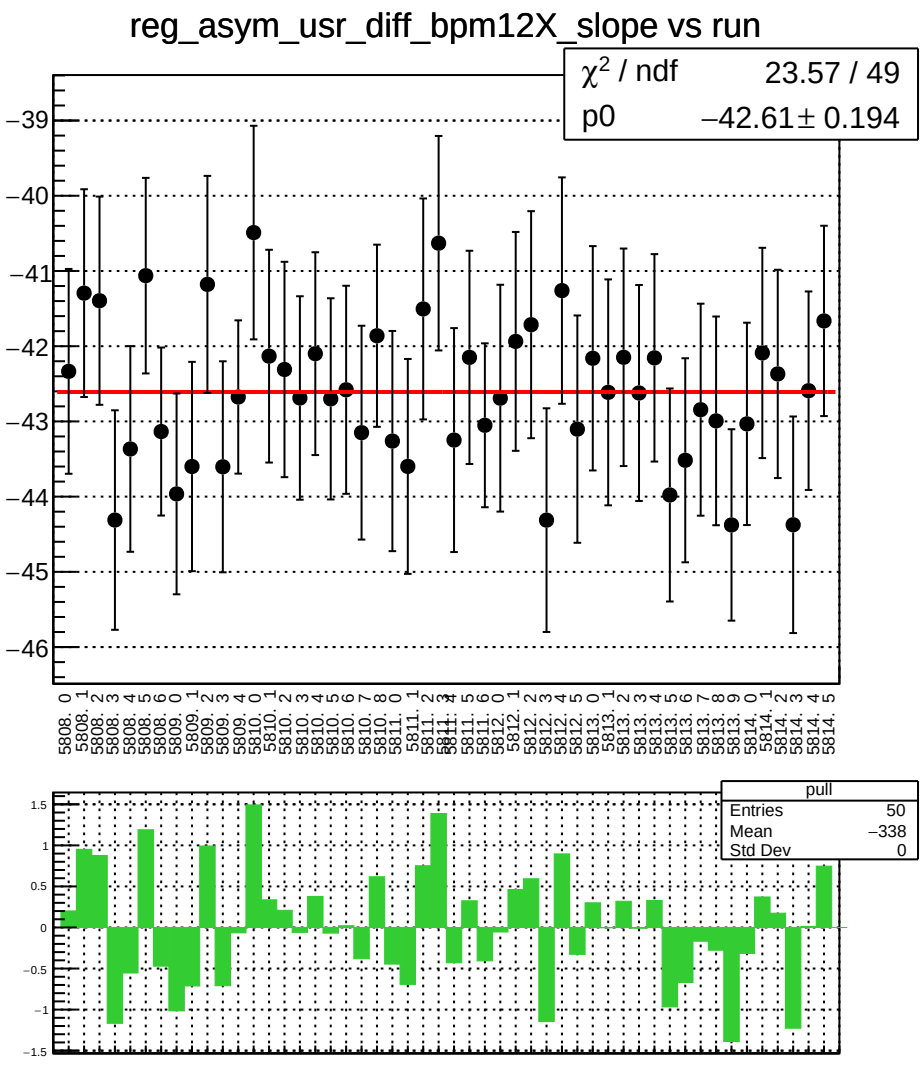

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.3 / 49
p0 30.56 ± 2.821
pull
Entries 50
Mean 233.5
Std Dev 0

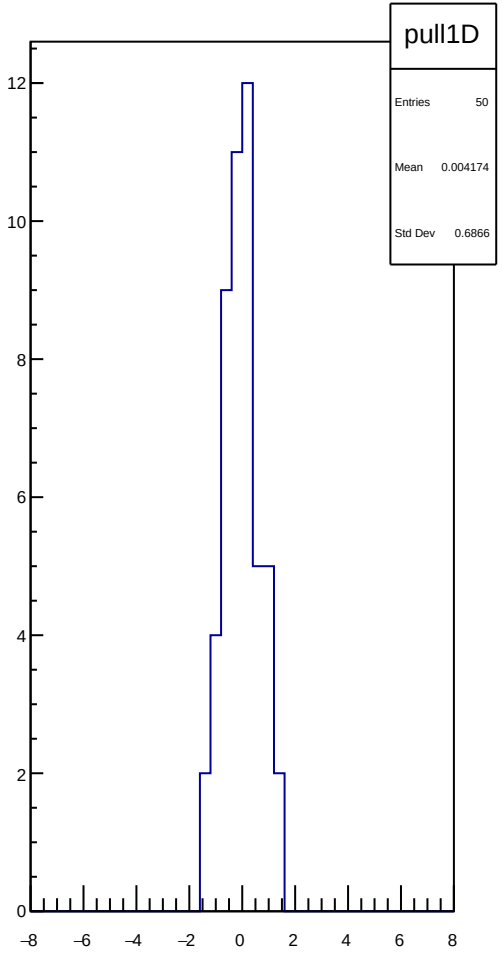

pull1D
Entries 50
Mean −0.005502
Std Dev 0.5158

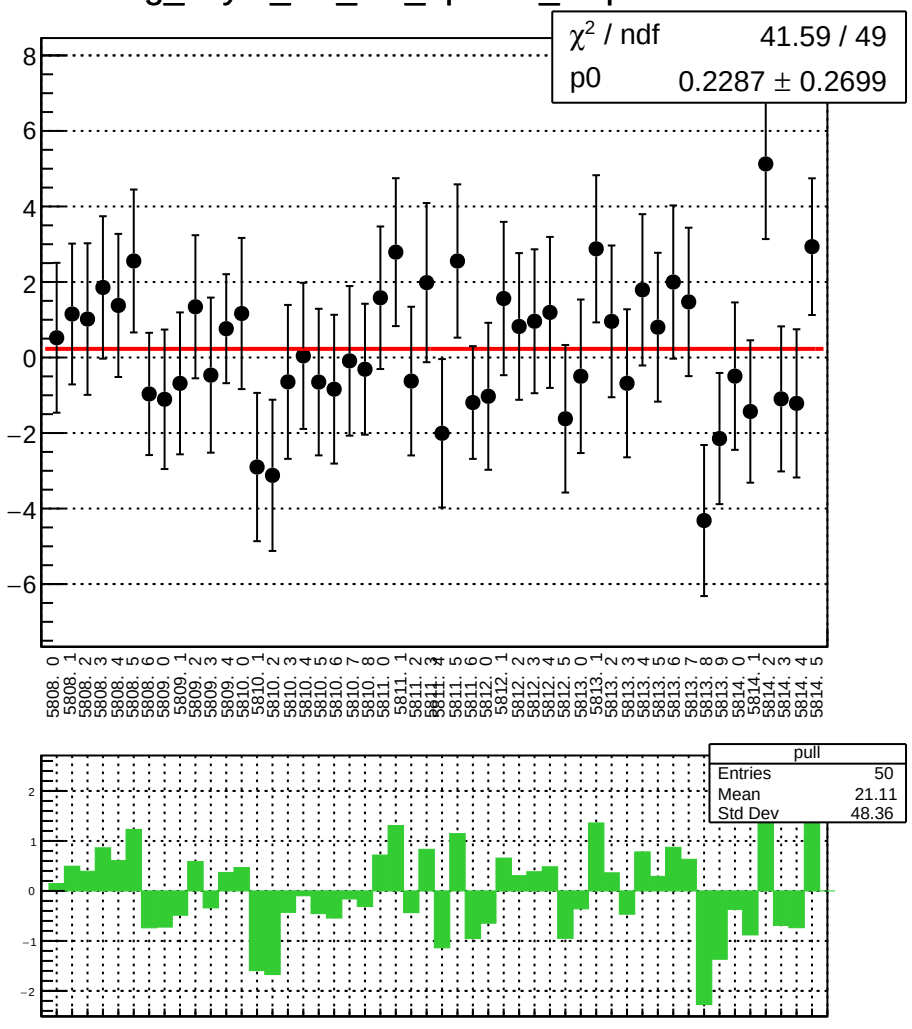

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 12.41 / 49
p0 195.8 ± 2.534
240
230
220
210
200
190
180
170
160
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 224.3
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.006196
Std Dev 0.4982
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

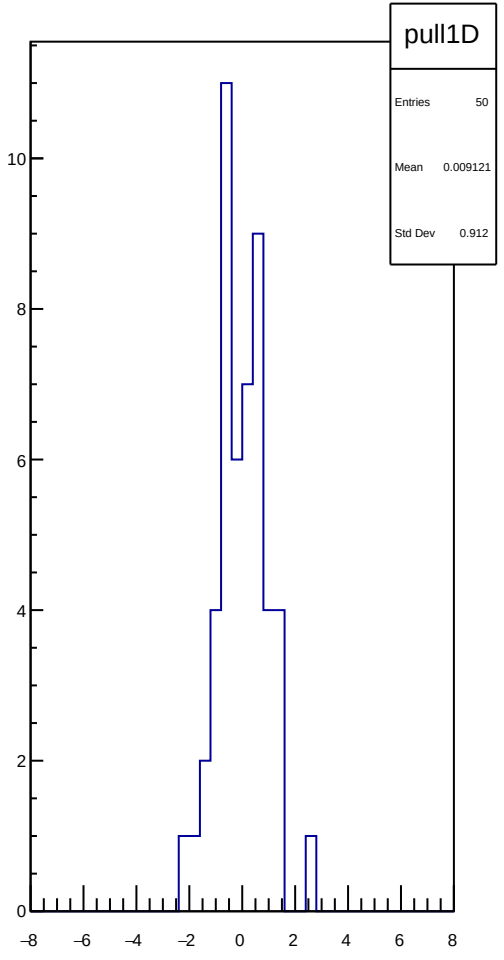

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 13.88 / 49
p0 −22.6 ± 3.09
pull
Entries 50
Mean 166.6
Std Dev 0

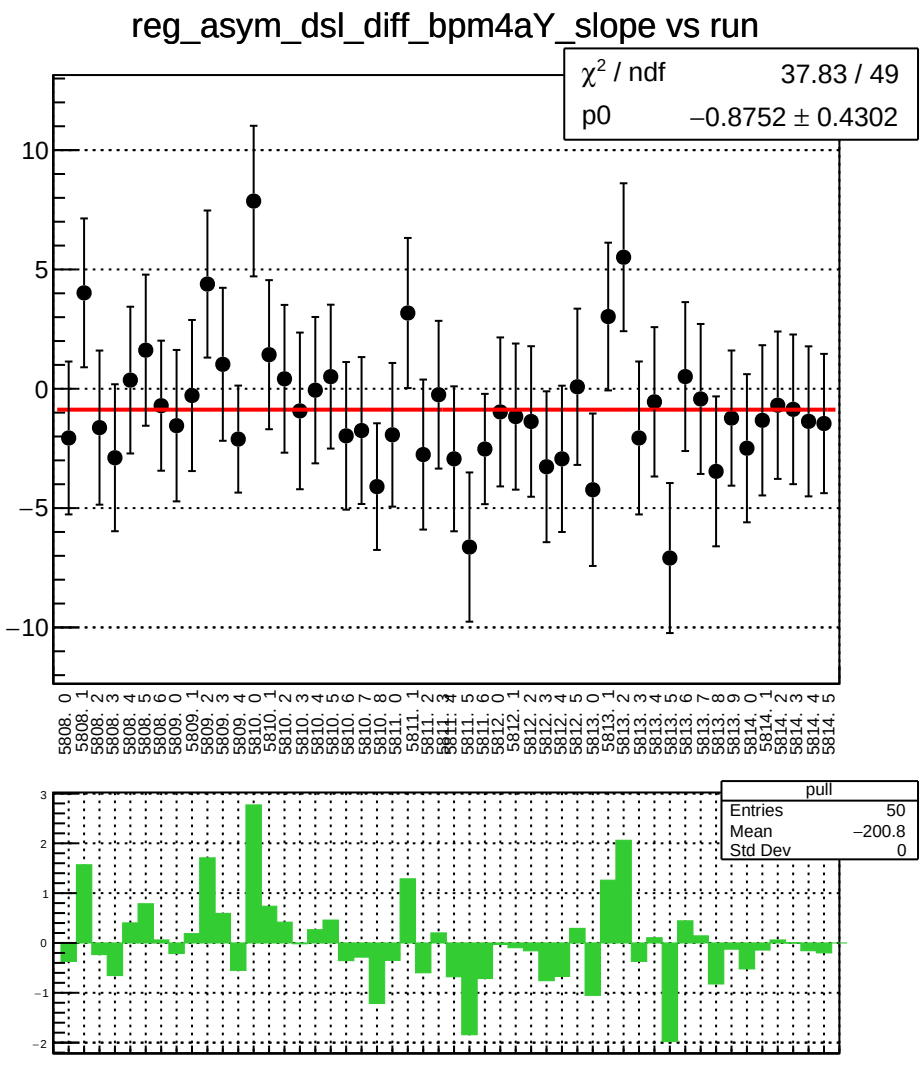

pull1D
Entries 50
Mean 0.002796
Std Dev 0.527

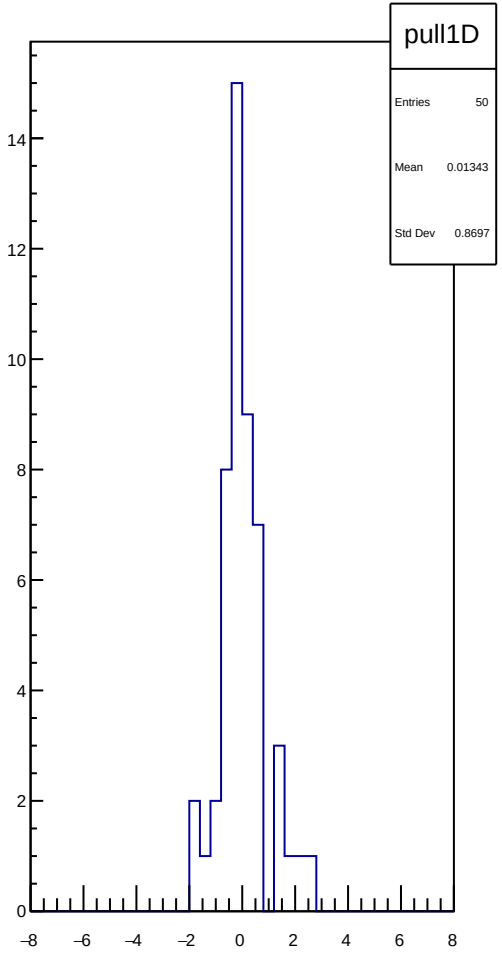

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 23.57 / 49
p0 −42.61 ± 0.194
pull
Entries 50
Mean −338
Std Dev 0

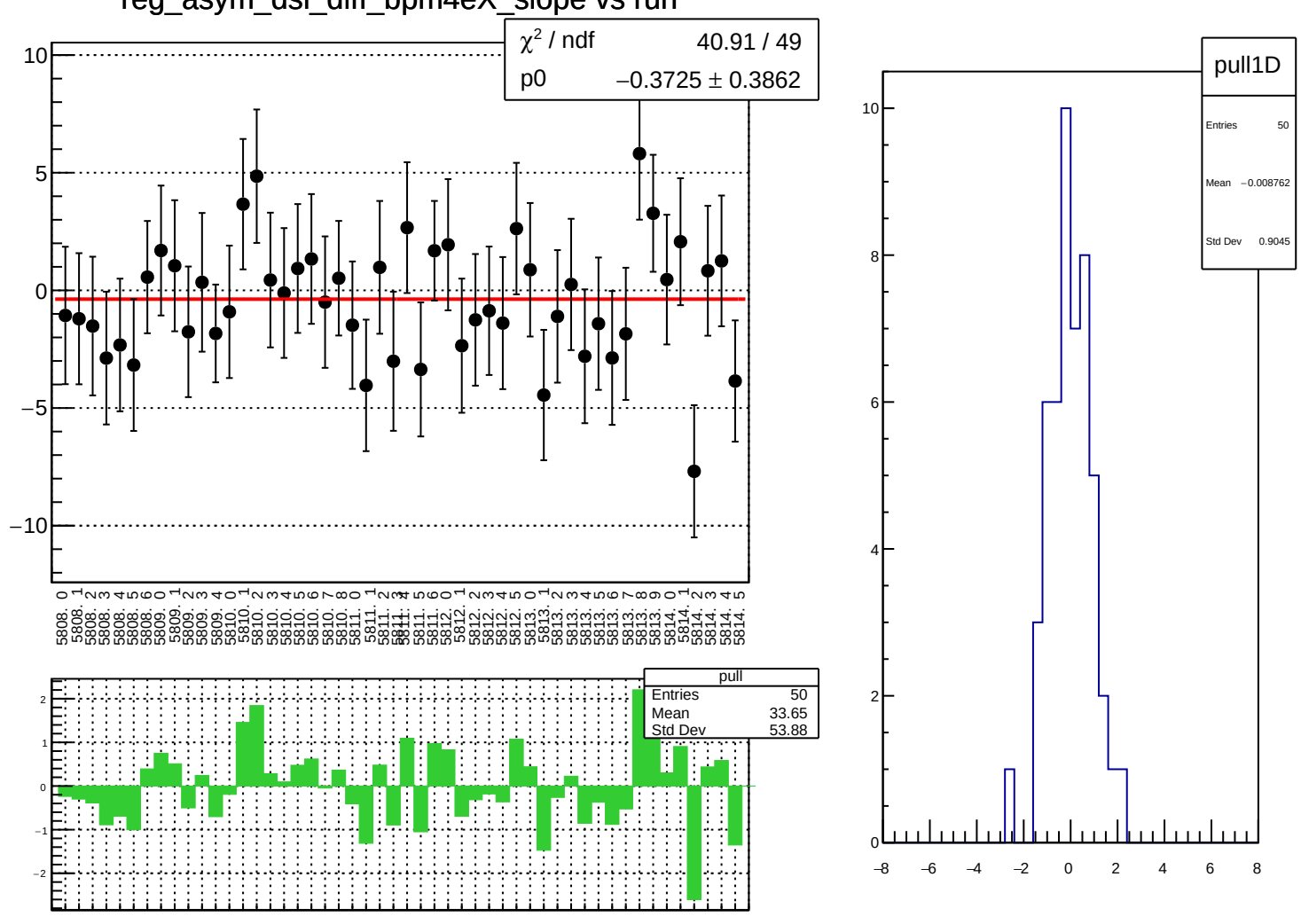

pull1D
Entries 50
Mean 0.004174
Std Dev 0.6866

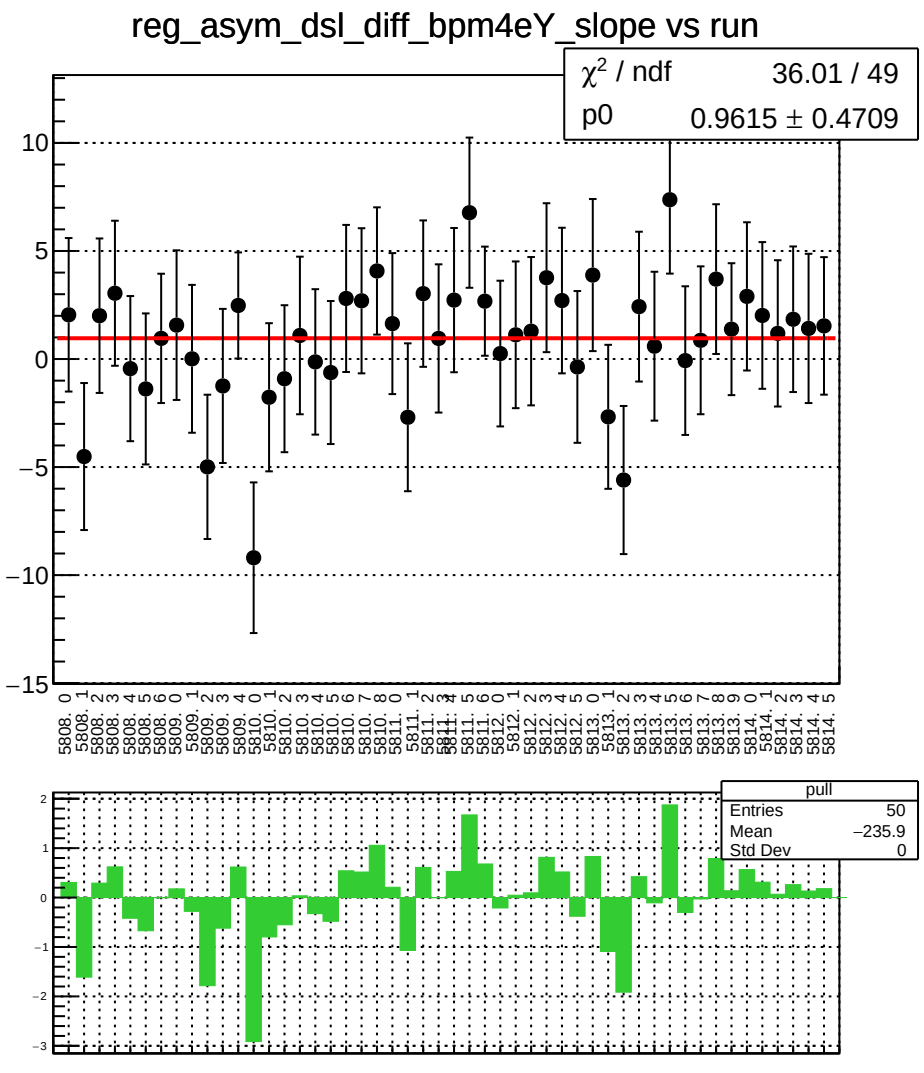

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 41.59 / 49
p0 0.2287 ± 0.2699
pull
Entries 50
Mean 21.11
Std Dev 48.36

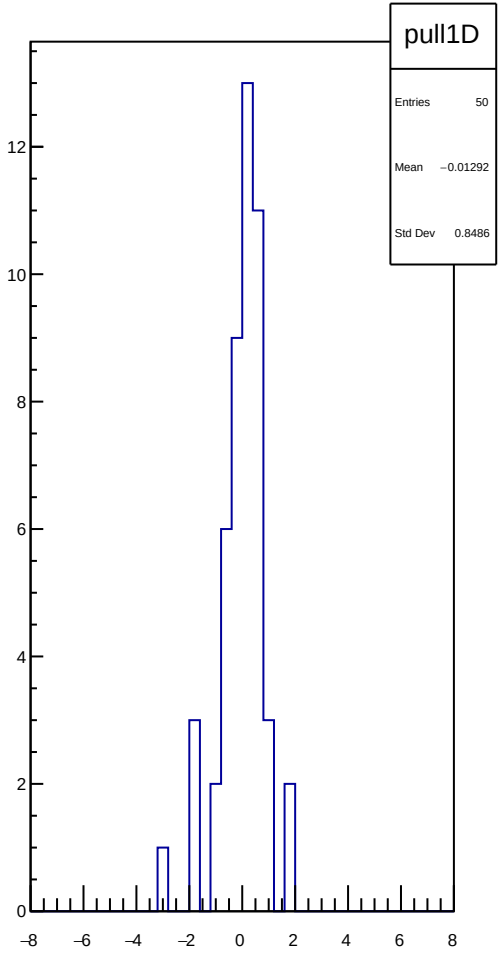

pull1D
Entries 50
Mean 0.009121
Std Dev 0.912

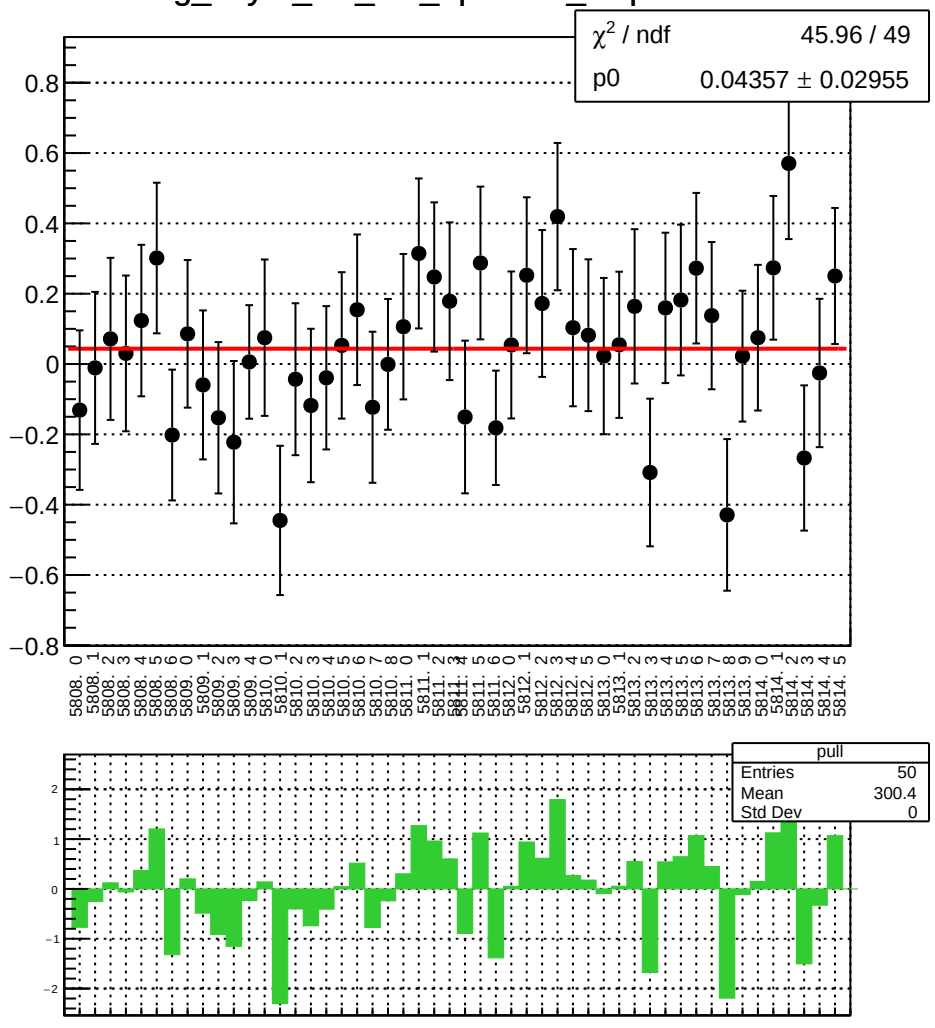

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 37.83 / 49
p0 −0.8752 ± 0.4302
pull
Entries 50
Mean −200.8
Std Dev 0

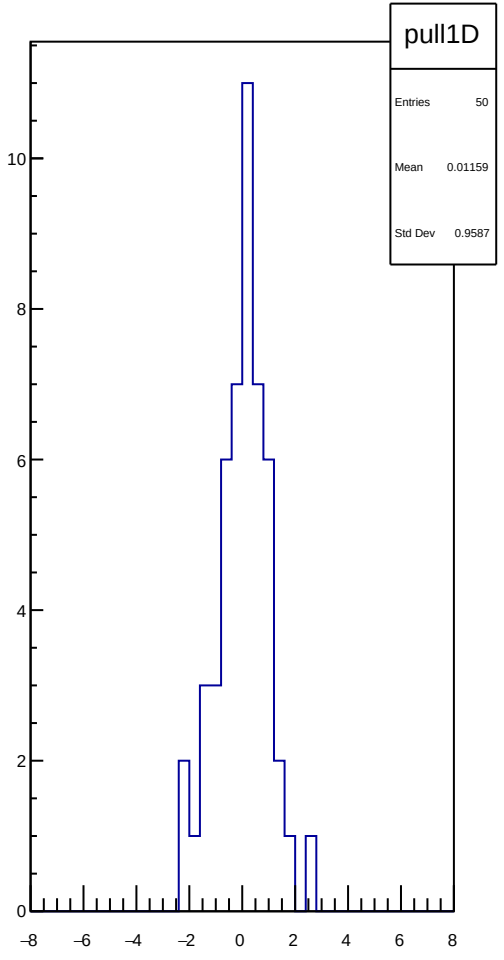

pull1D
Entries 50
Mean 0.01343
Std Dev 0.8697

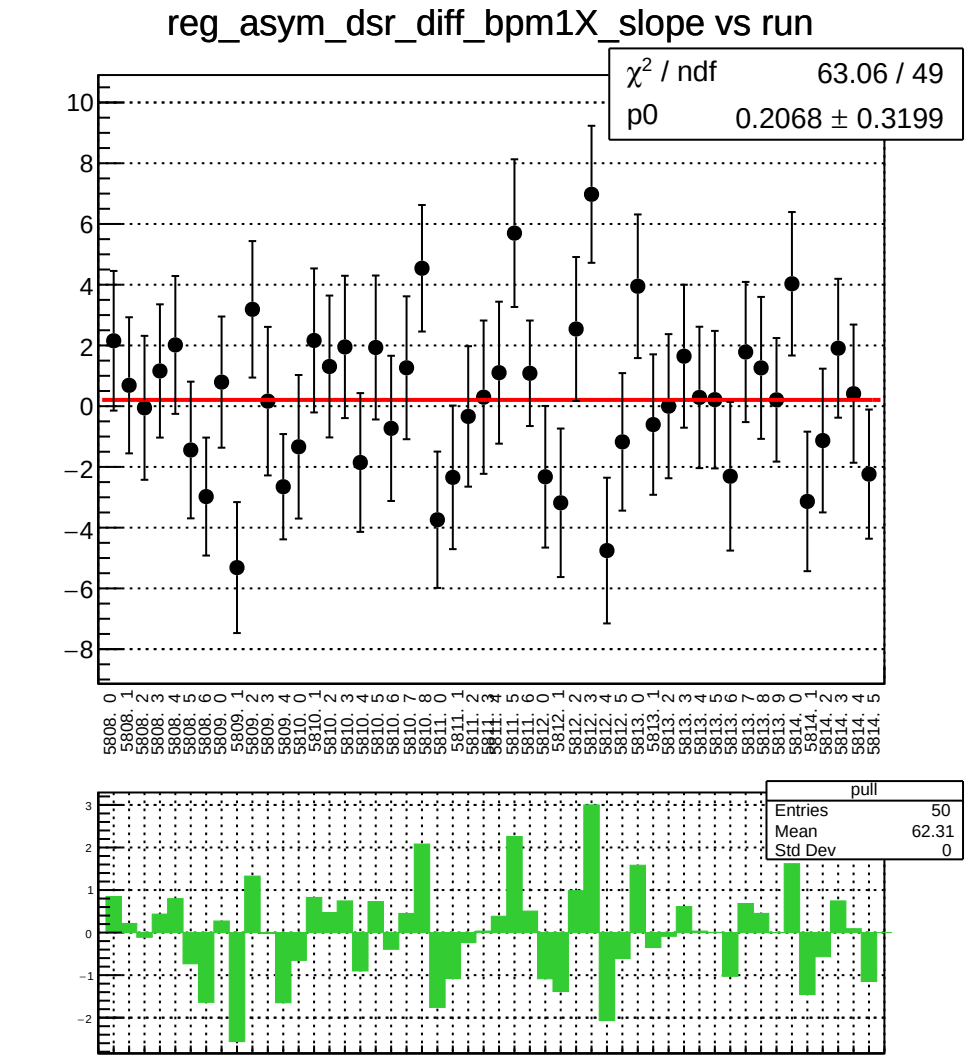

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 40.91 / 49
p0 −0.3725 ± 0.3862
pull
Entries 50
Mean 33.65
Std Dev 53.88
pull1D
Entries 50
Mean −0.008762
Std Dev 0.9045

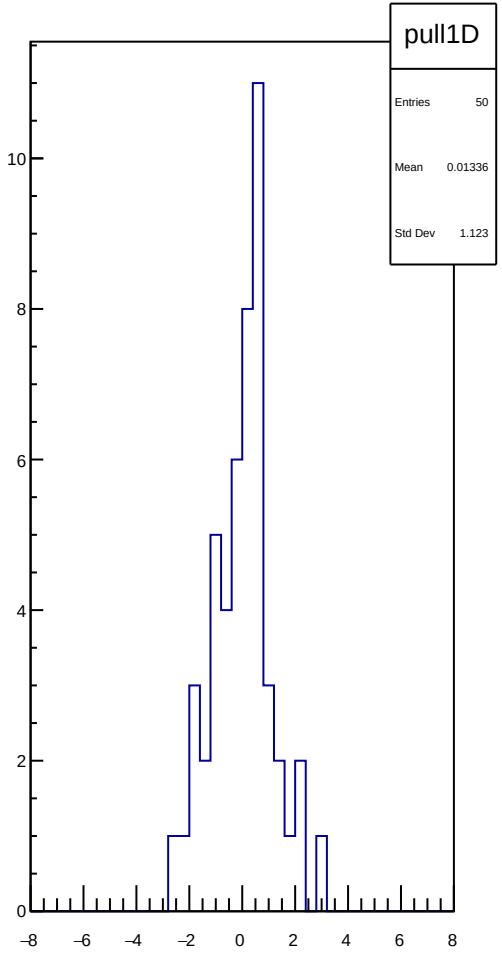

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 36.01 / 49
p0 0.9615 ± 0.4709
pull
Entries 50
Mean −235.9
Std Dev 0

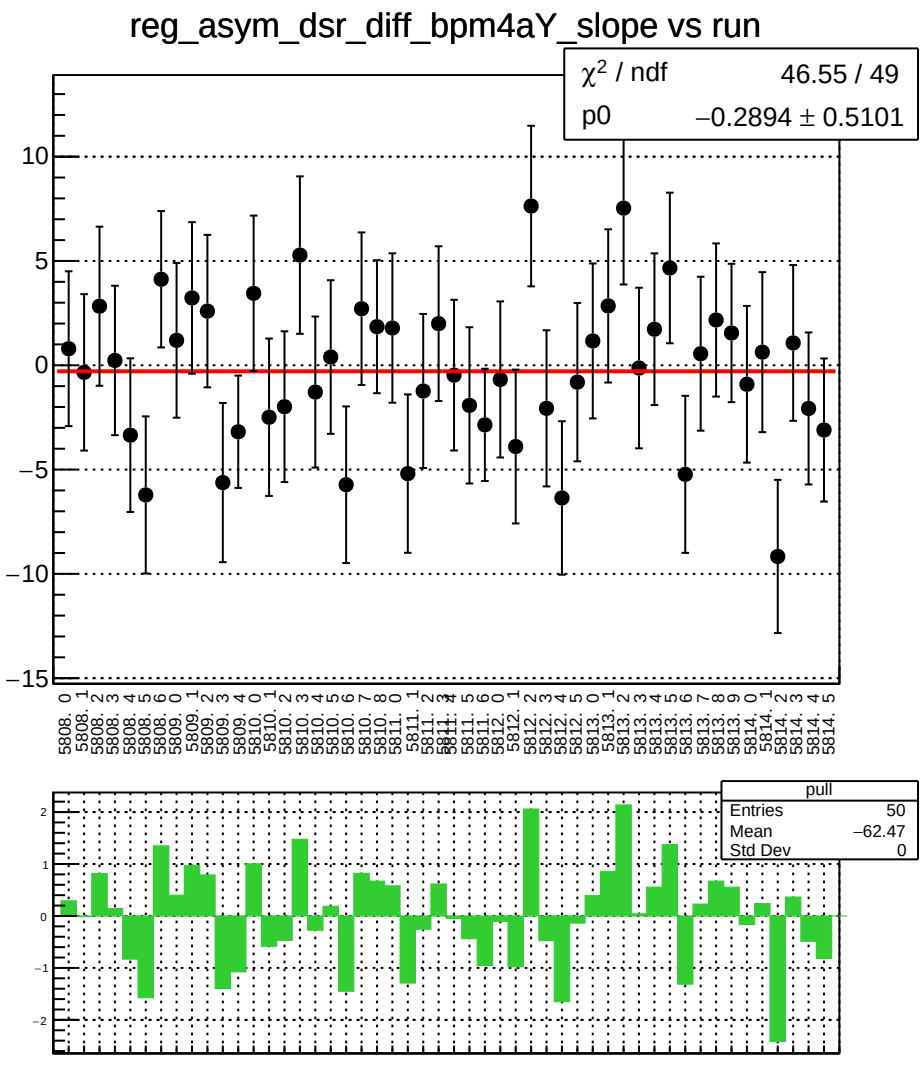

pull1D
Entries 50
Mean −0.01292
Std Dev 0.8486

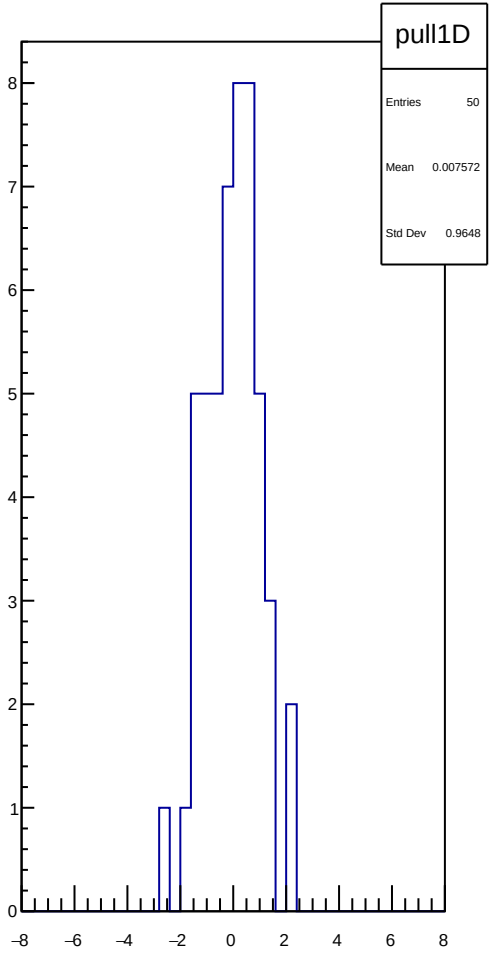

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 45.96 / 49
p0 0.04357 ± 0.02955
pull
Entries 50
Mean 300.4
Std Dev 0

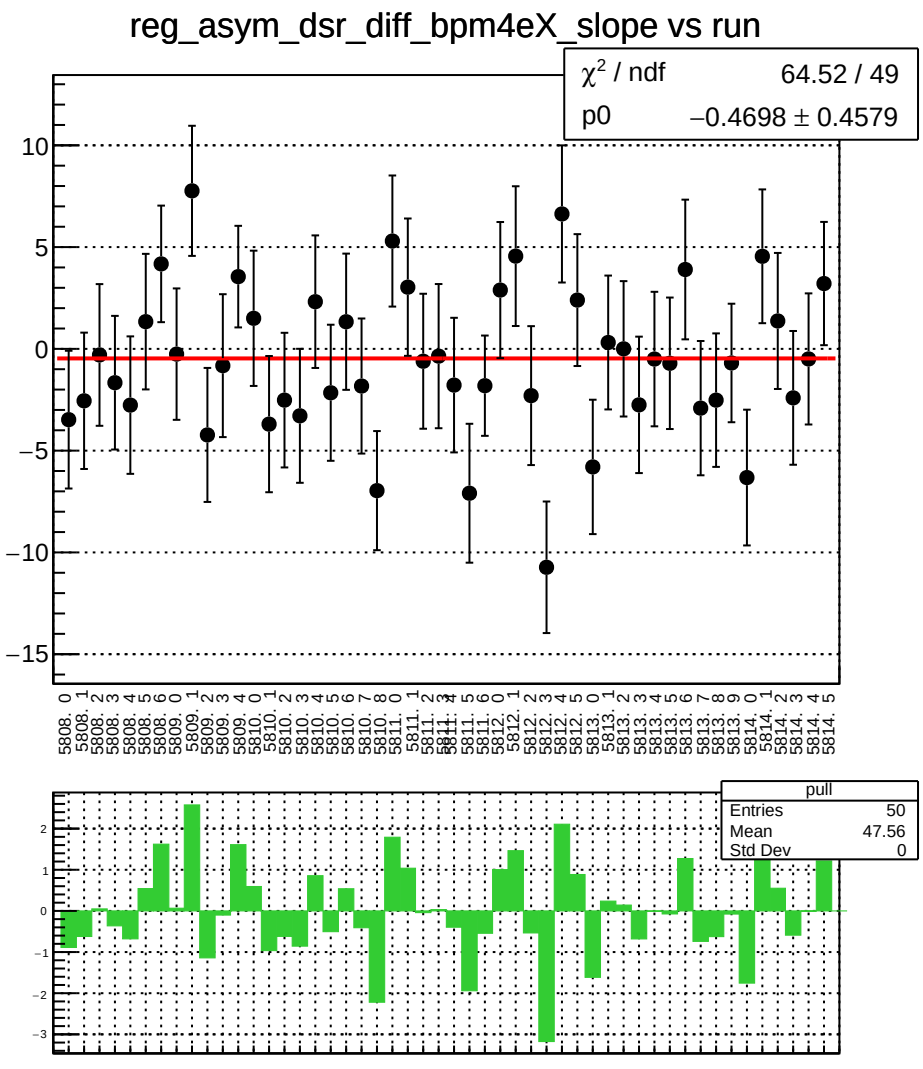

pull1D
Entries 50
Mean 0.01159
Std Dev 0.9587

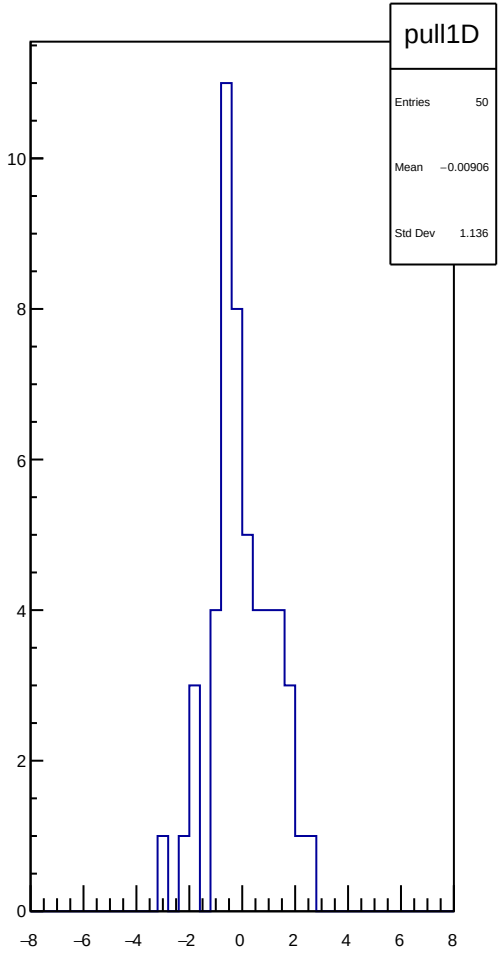

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 63.06 / 49
p0 0.2068 ± 0.3199
pull
Entries 50
Mean 62.31
Std Dev 0

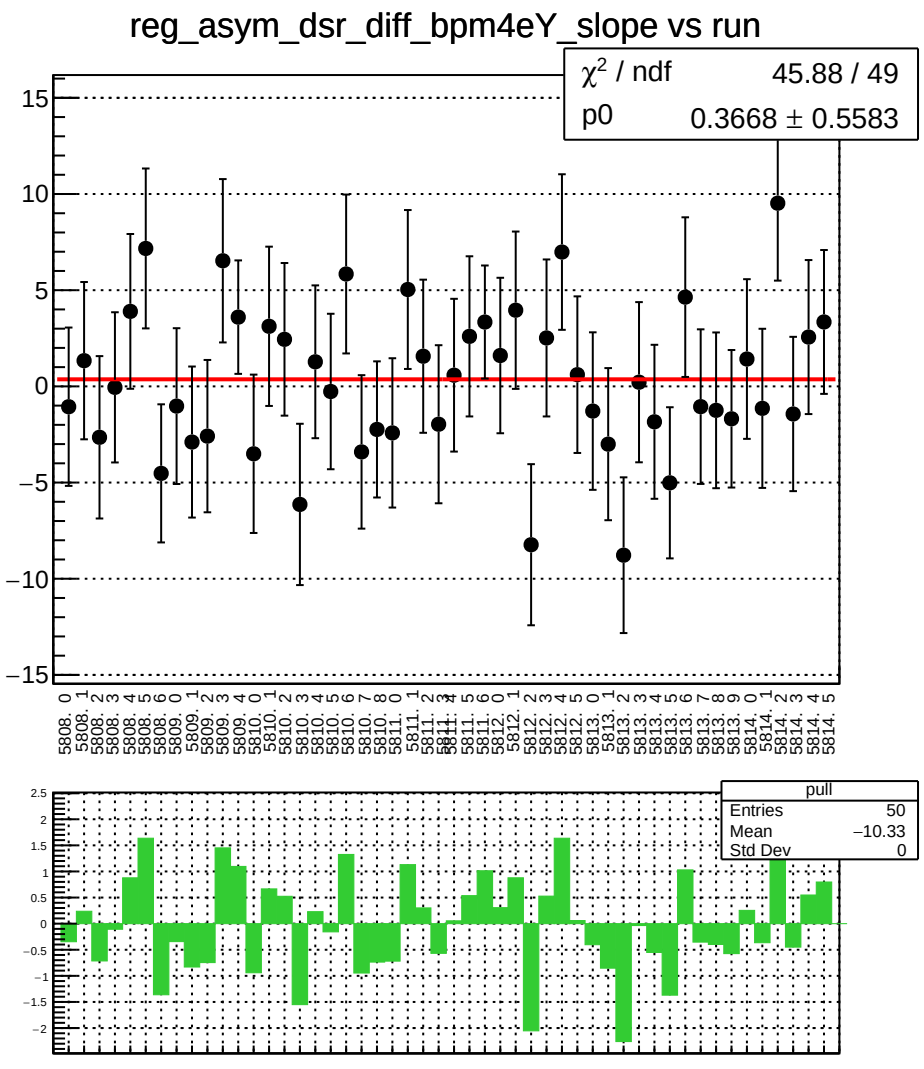

pull1D
Entries 50
Mean 0.01336
Std Dev 1.123

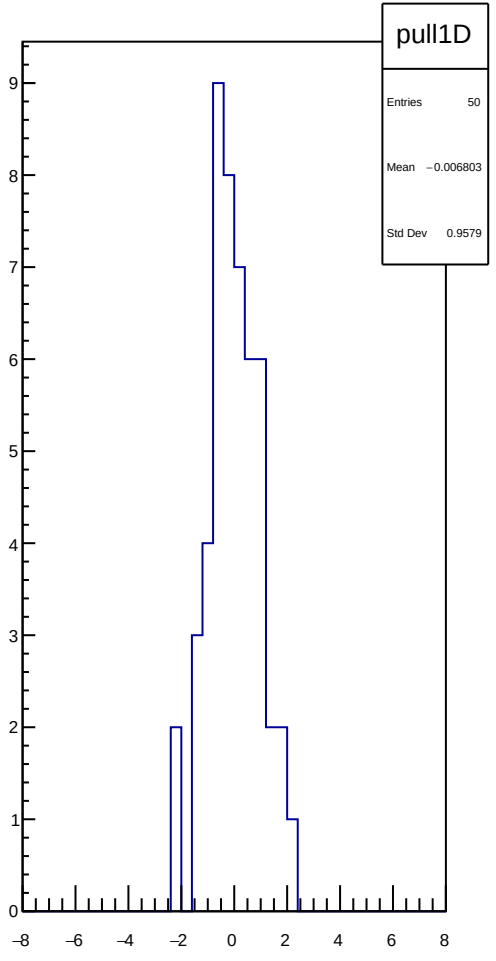

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 46.55 / 49
p0 −0.2894 ± 0.5101
pull
Entries 50
Mean −62.47
Std Dev 0

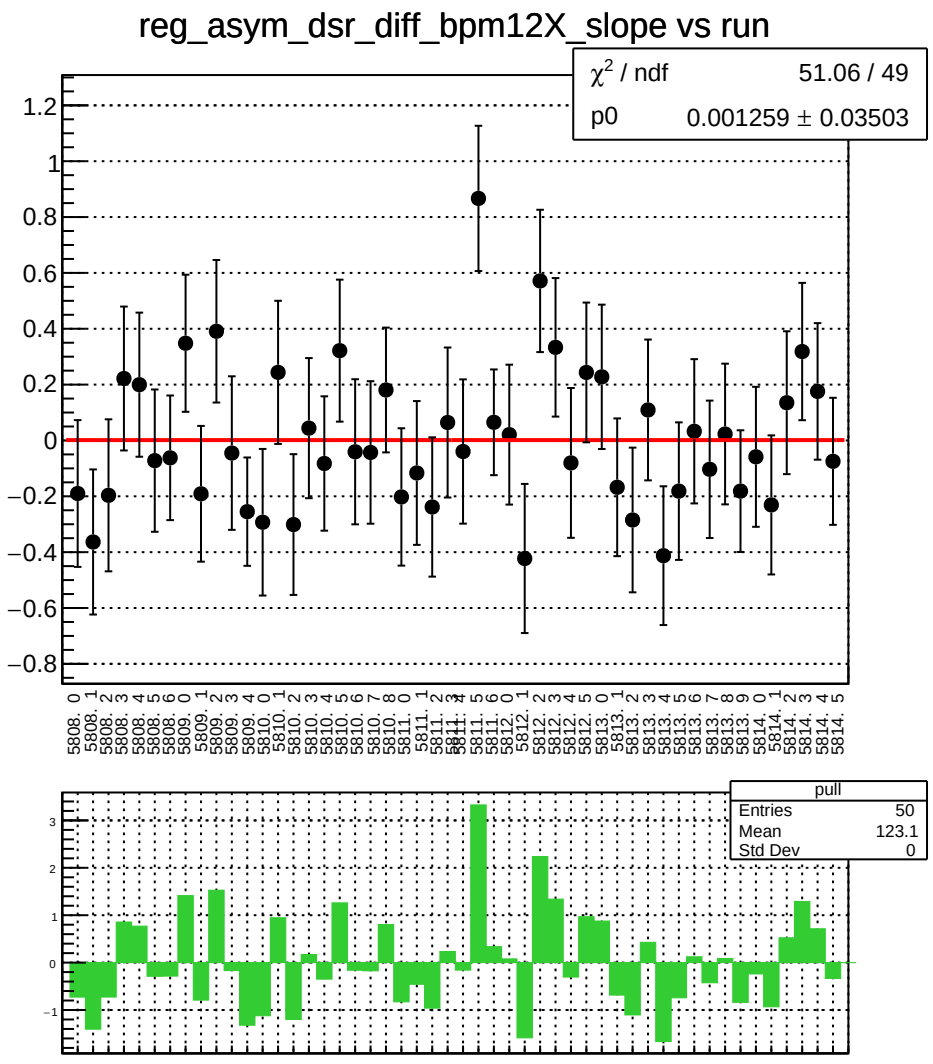

pull1D
Entries 50
Mean 0.007572
Std Dev 0.9648

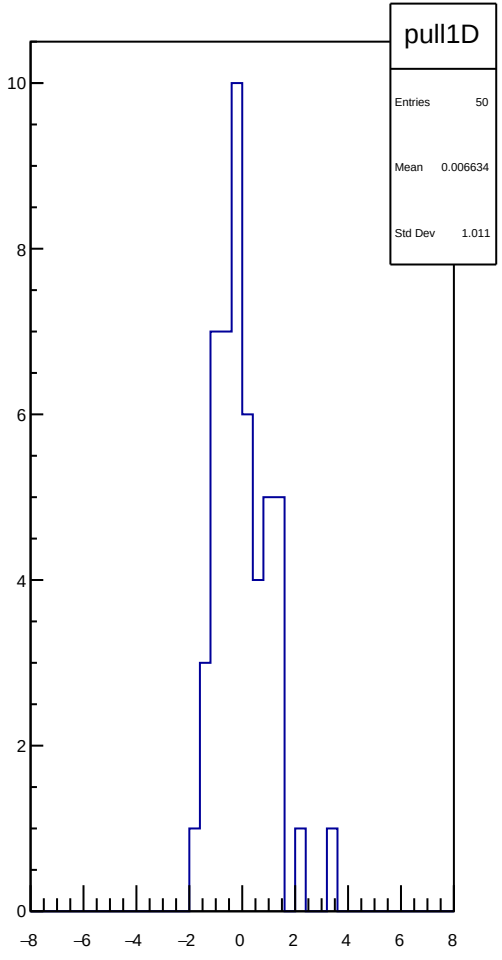

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 64.52 / 49
p0 −0.4698 ± 0.4579
pull
Entries 50
Mean 47.56
Std Dev 0

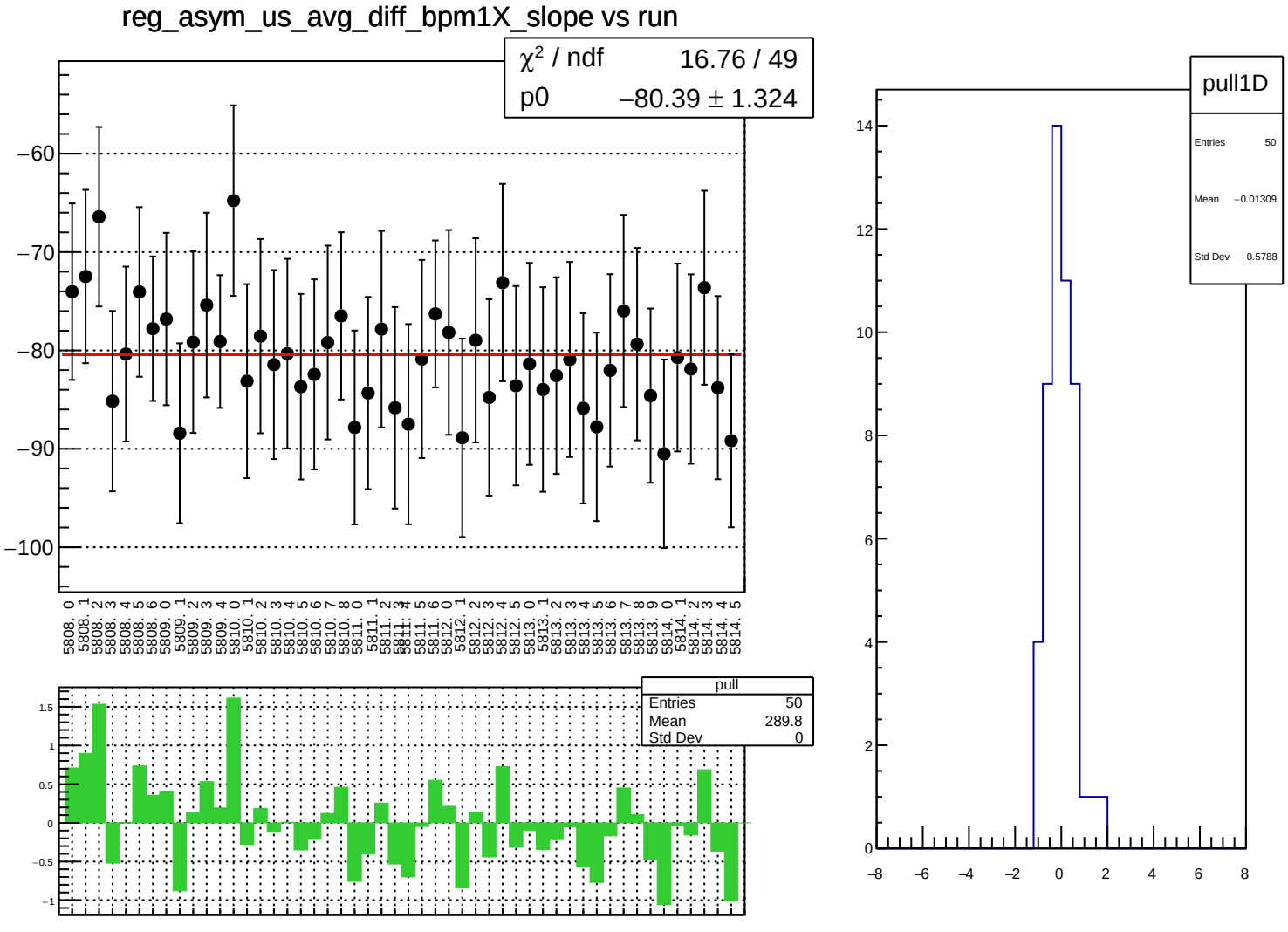

pull1D
Entries 50
Mean −0.00906
Std Dev 1.136

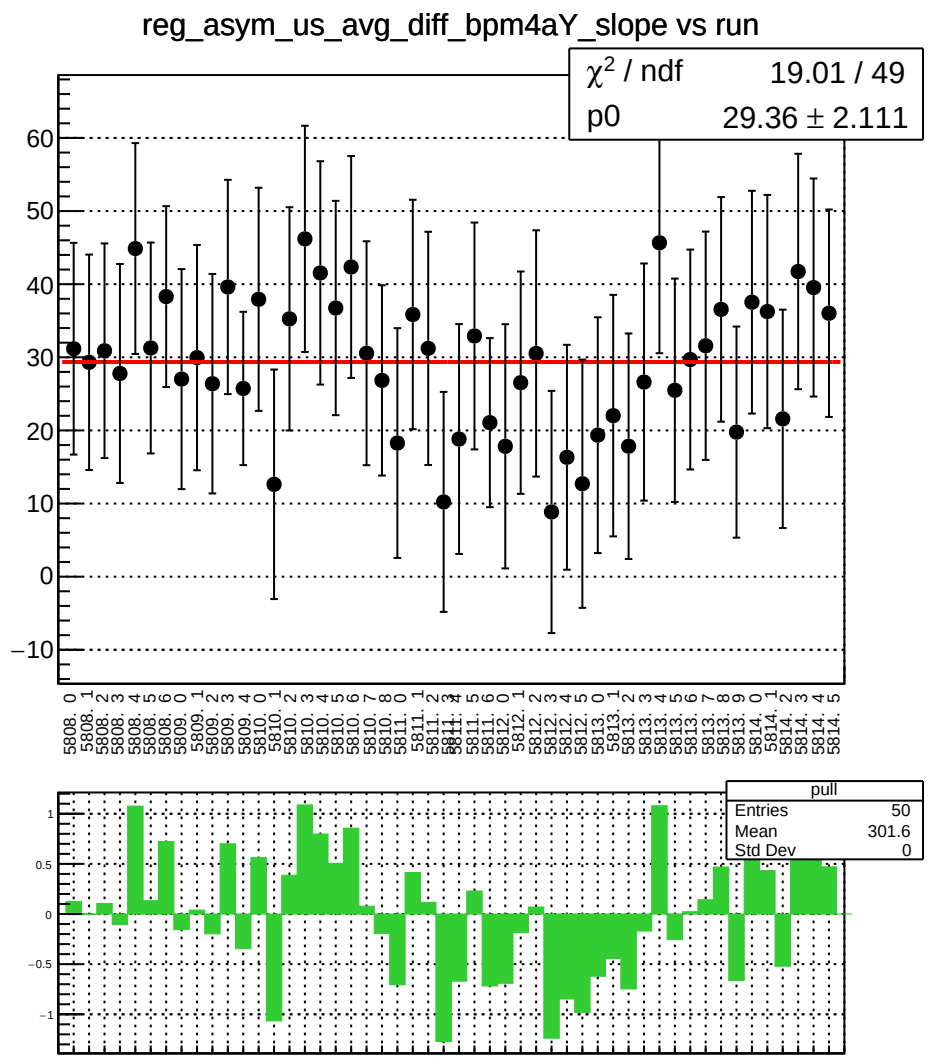

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 45.88 / 49
p0 0.3668 ± 0.5583
pull
Entries 50
Mean −10.33
Std Dev 0

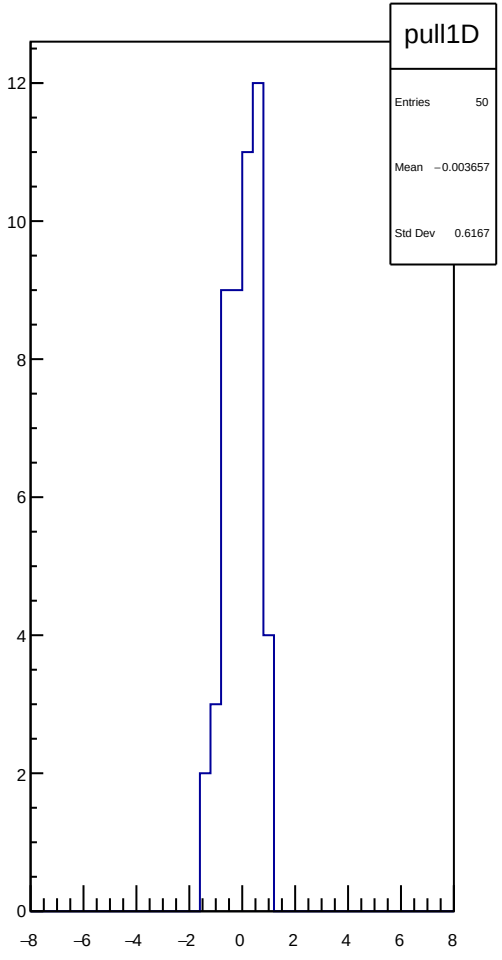

pull1D
Entries 50
Mean −0.006803
Std Dev 0.9579

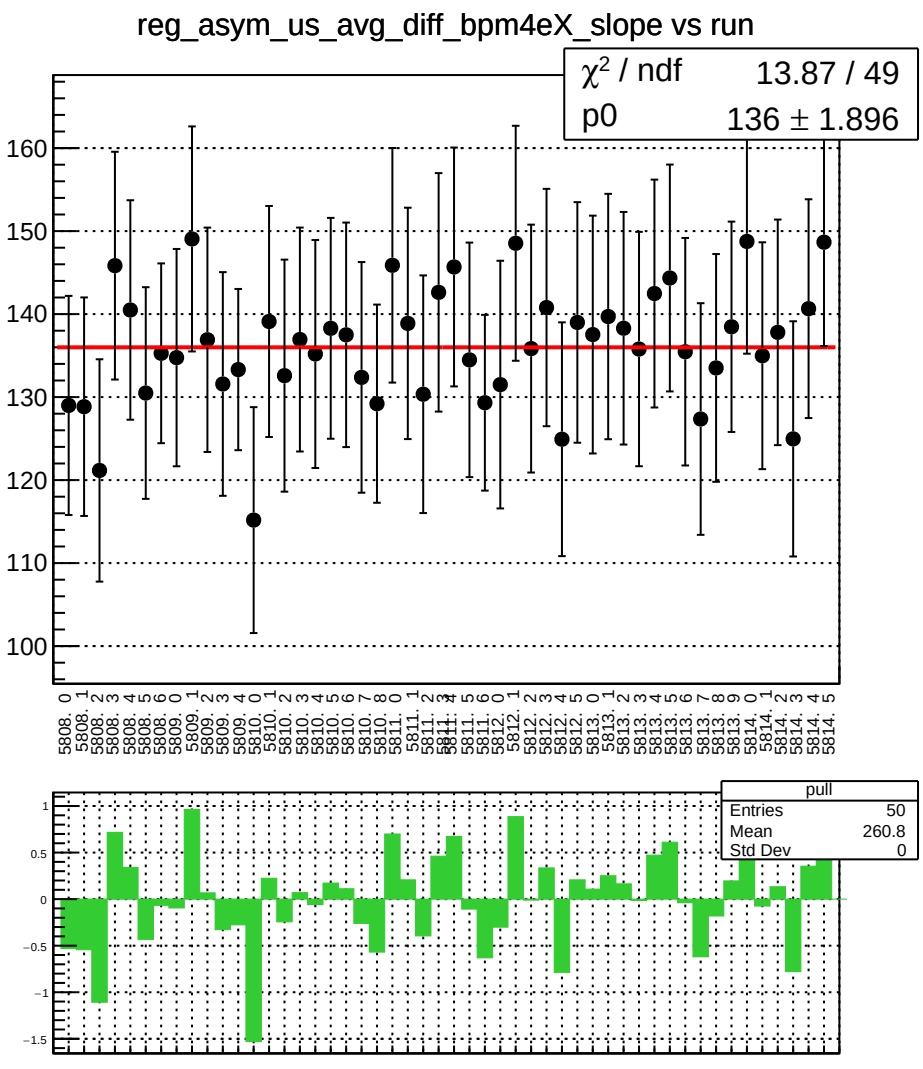

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 51.06 / 49
p0 0.001259 ± 0.03503
pull
Entries 50
Mean 123.1
Std Dev 0

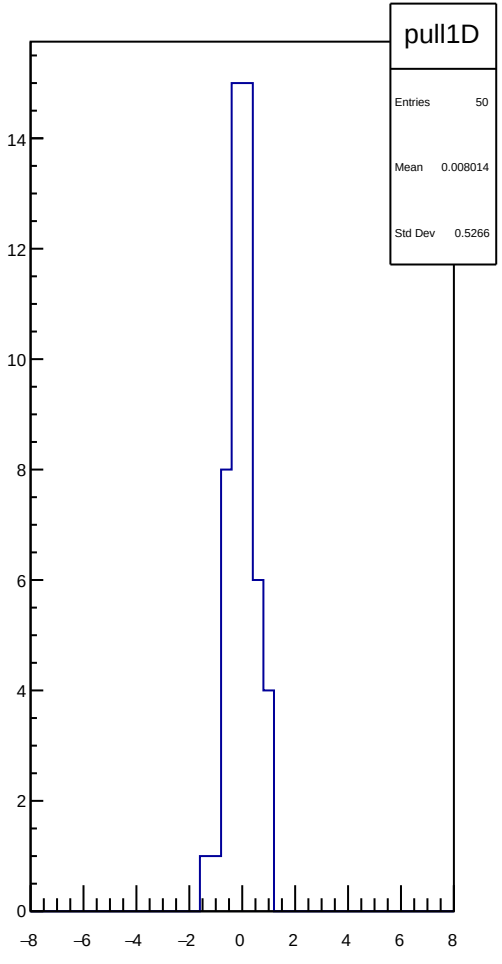

pull1D
Entries 50
Mean 0.006634
Std Dev 1.011

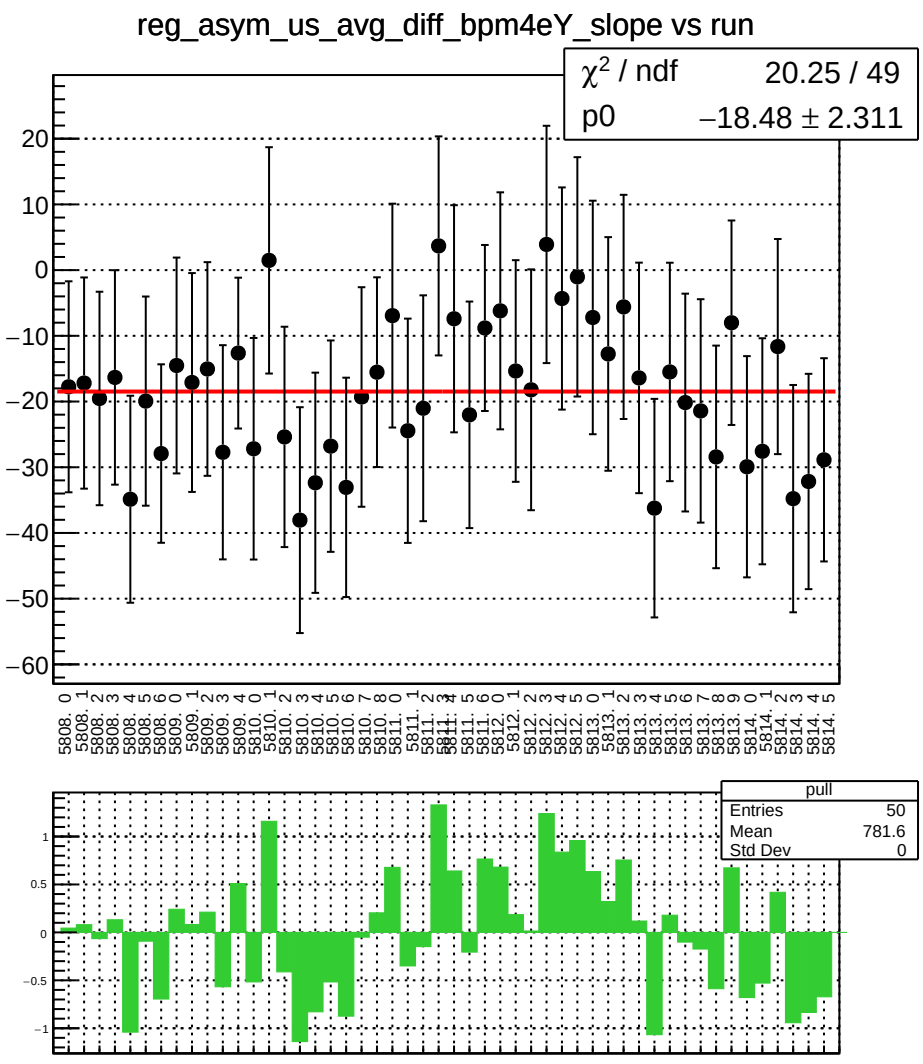

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 16.76 / 49
p0 −80.39 ± 1.324
pull
Entries 50
Mean 289.8
Std Dev 0
pull1D
Entries 50
Mean −0.01309
Std Dev 0.5788

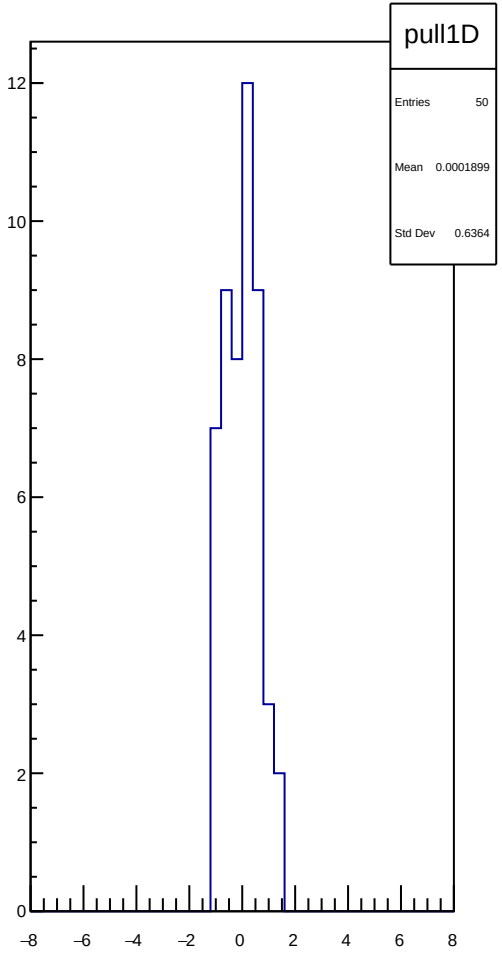

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.01 / 49
p0 29.36 ± 2.111
pull
Entries 50
Mean 301.6
Std Dev 0

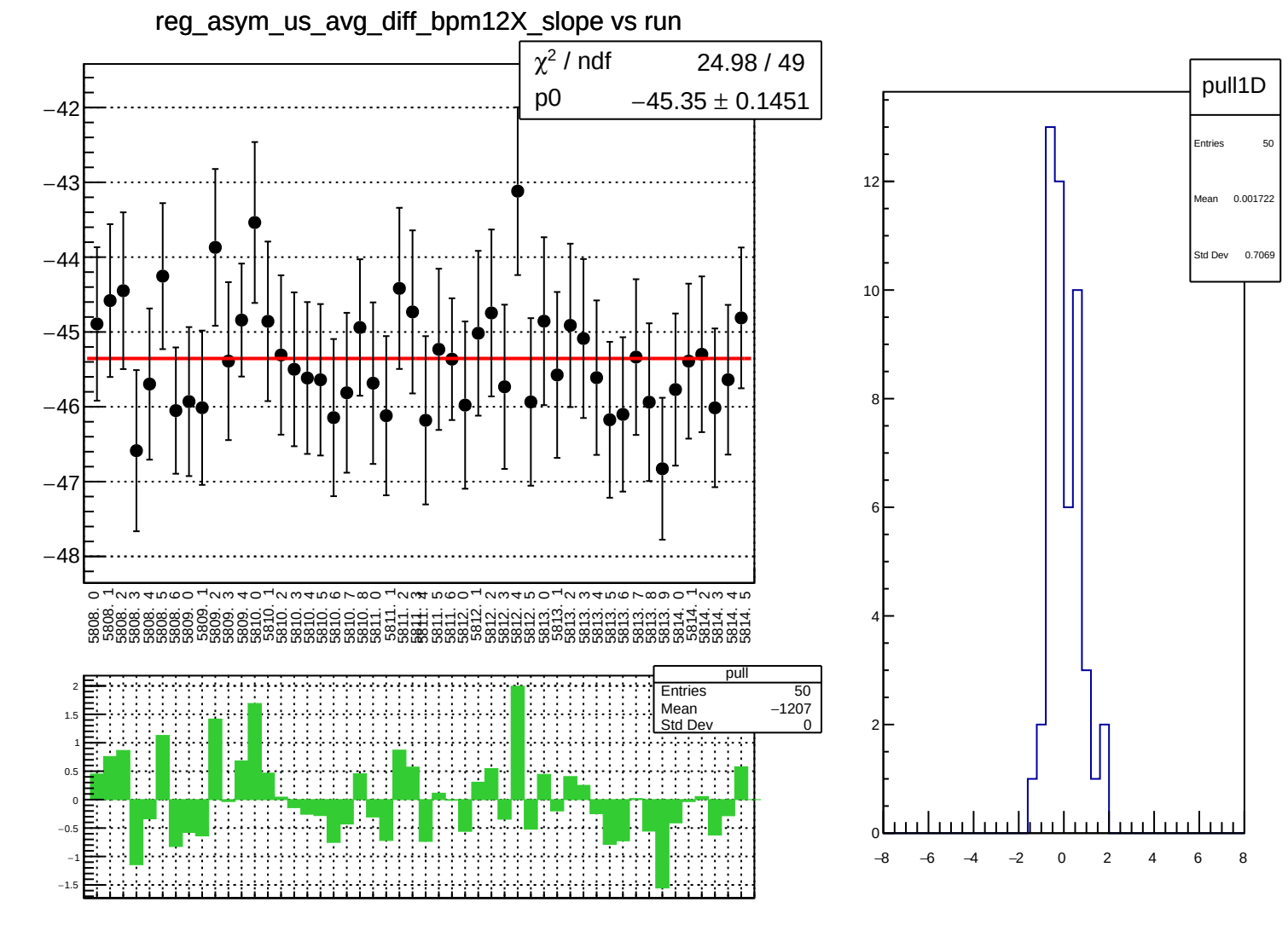

pull1D
Entries 50
Mean −0.003657
Std Dev 0.6167

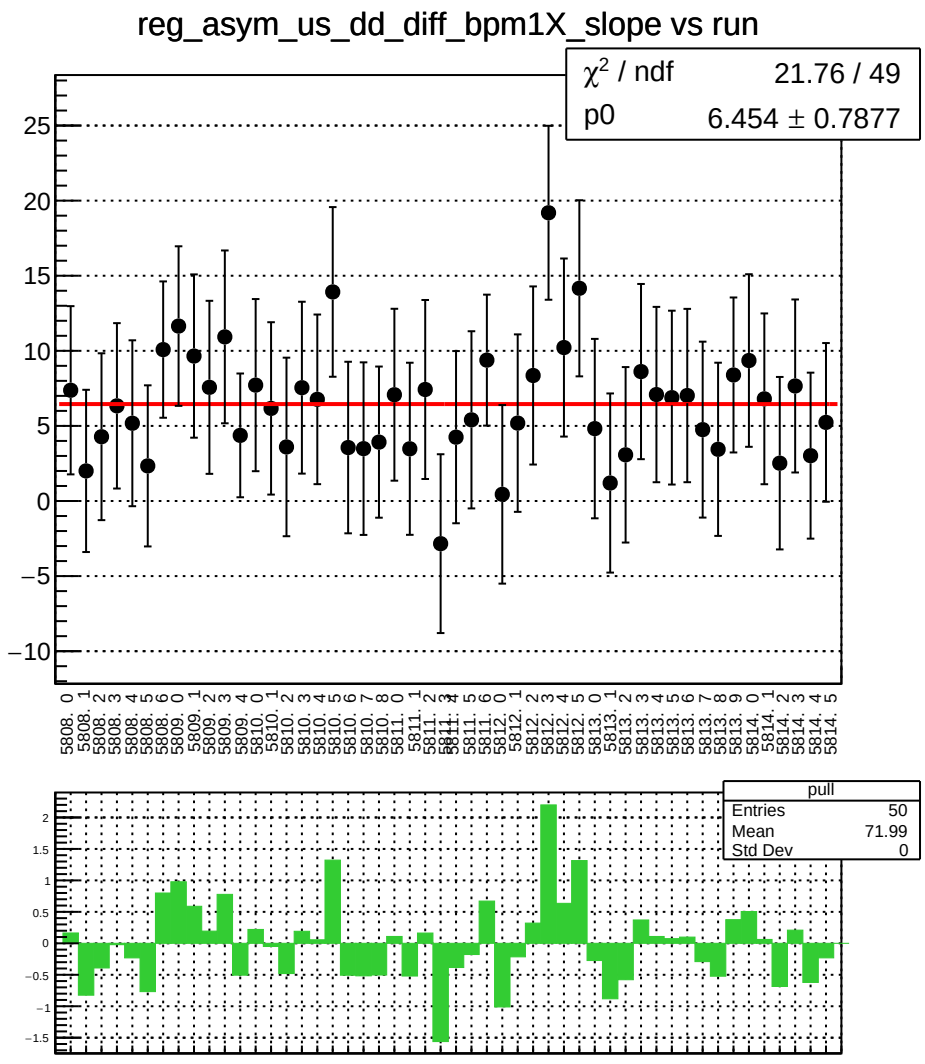

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.87 / 49
p0 136 ± 1.896
pull
Entries 50
Mean 260.8
Std Dev 0

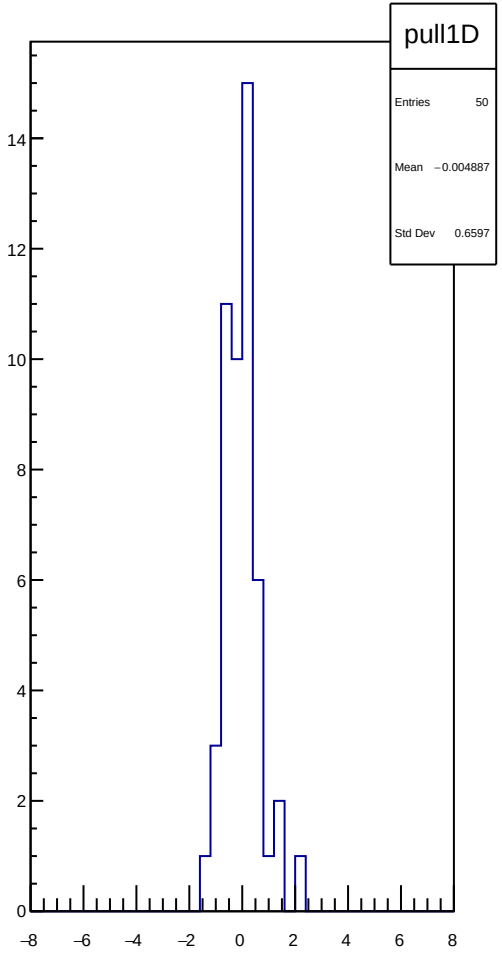

pull1D
Entries 50
Mean 0.008014
Std Dev 0.5266

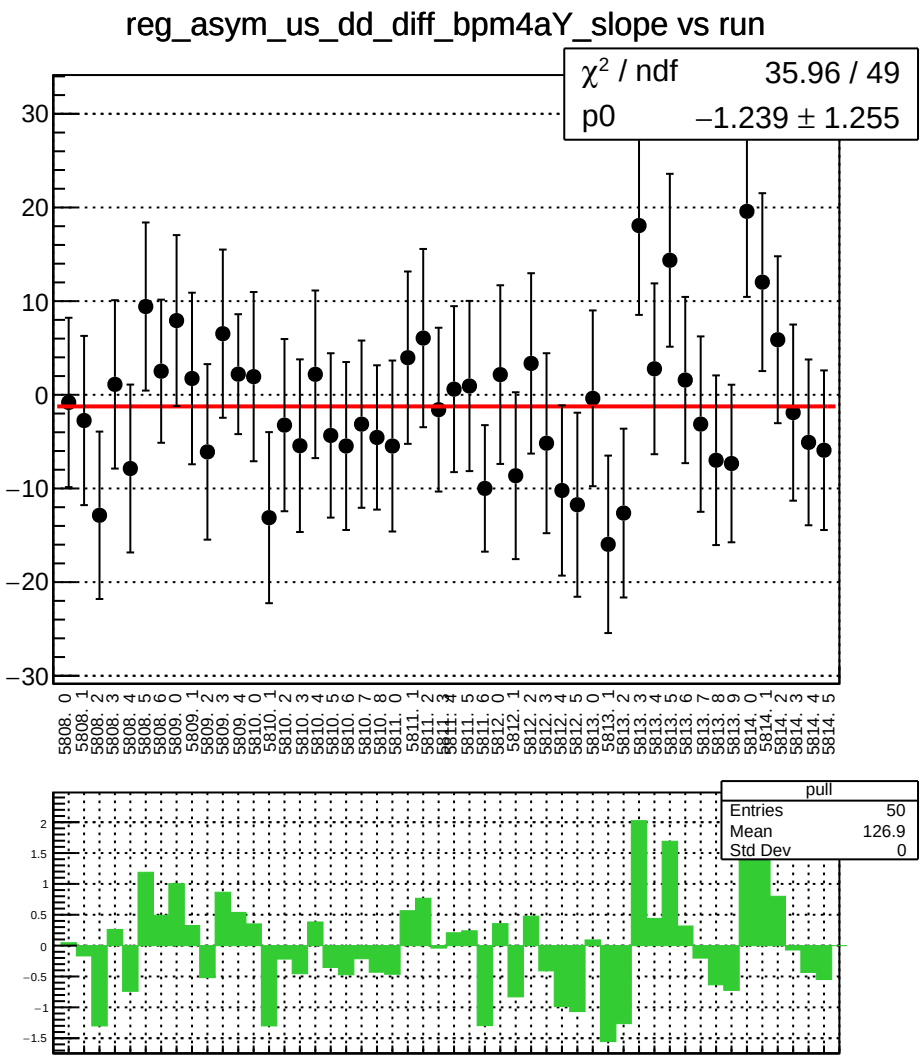

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.25 / 49
p0 −18.48 ± 2.311
pull
Entries 50
Mean 781.6
Std Dev 0

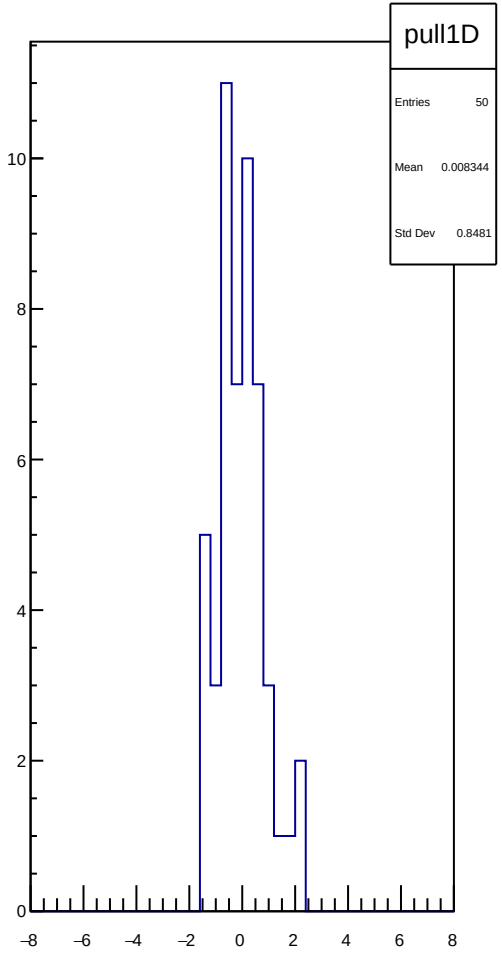

pull1D
Entries 50
Mean 0.0001899
Std Dev 0.6364

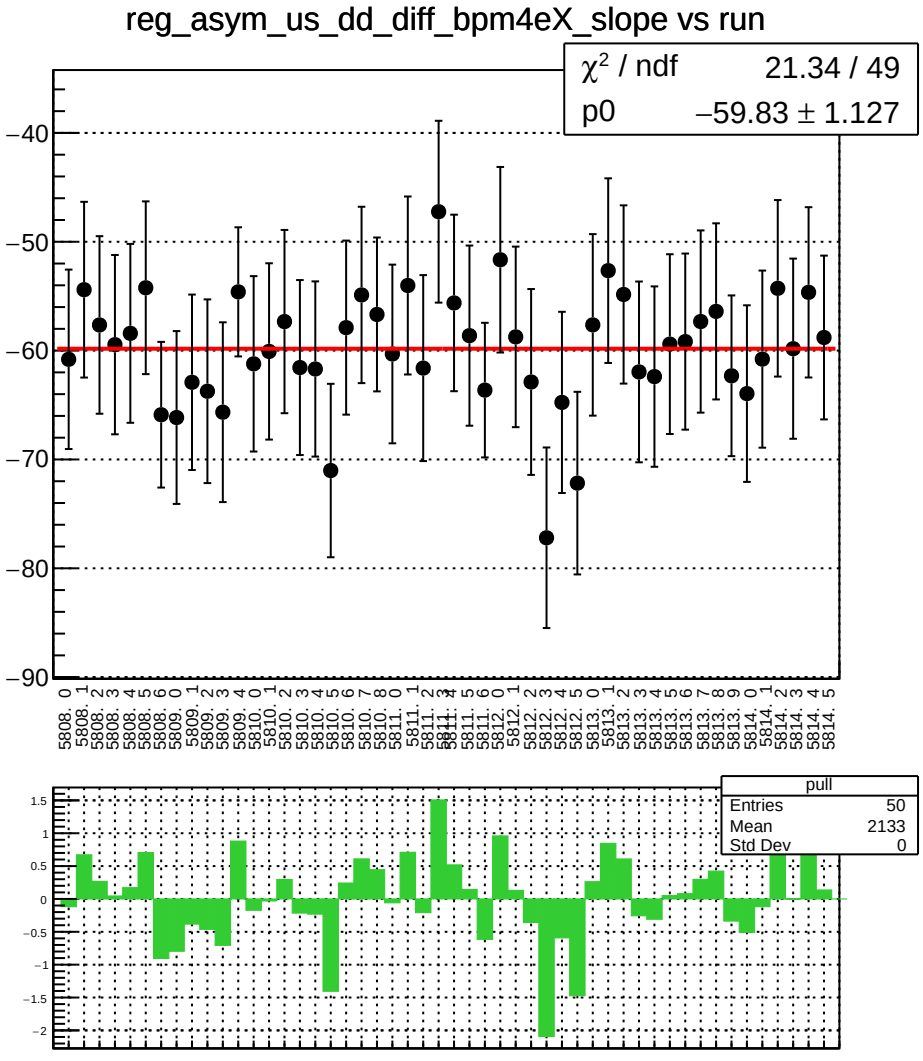

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 24.98 / 49
p0 −45.35 ± 0.1451
pull
Entries 50
Mean −1207
Std Dev 0
pull1D
Entries 50
Mean 0.001722
Std Dev 0.7069

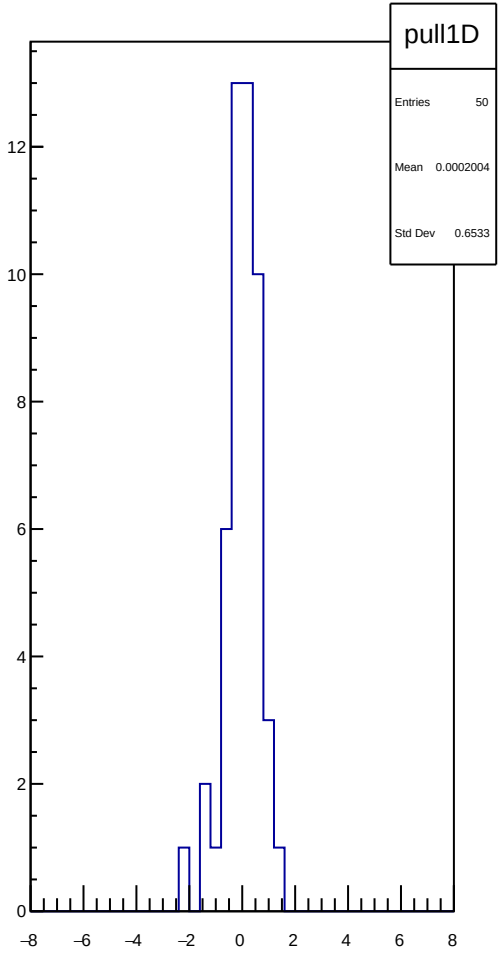

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 21.76 / 49
p0 6.454 ± 0.7877
pull
Entries 50
Mean 71.99
Std Dev 0

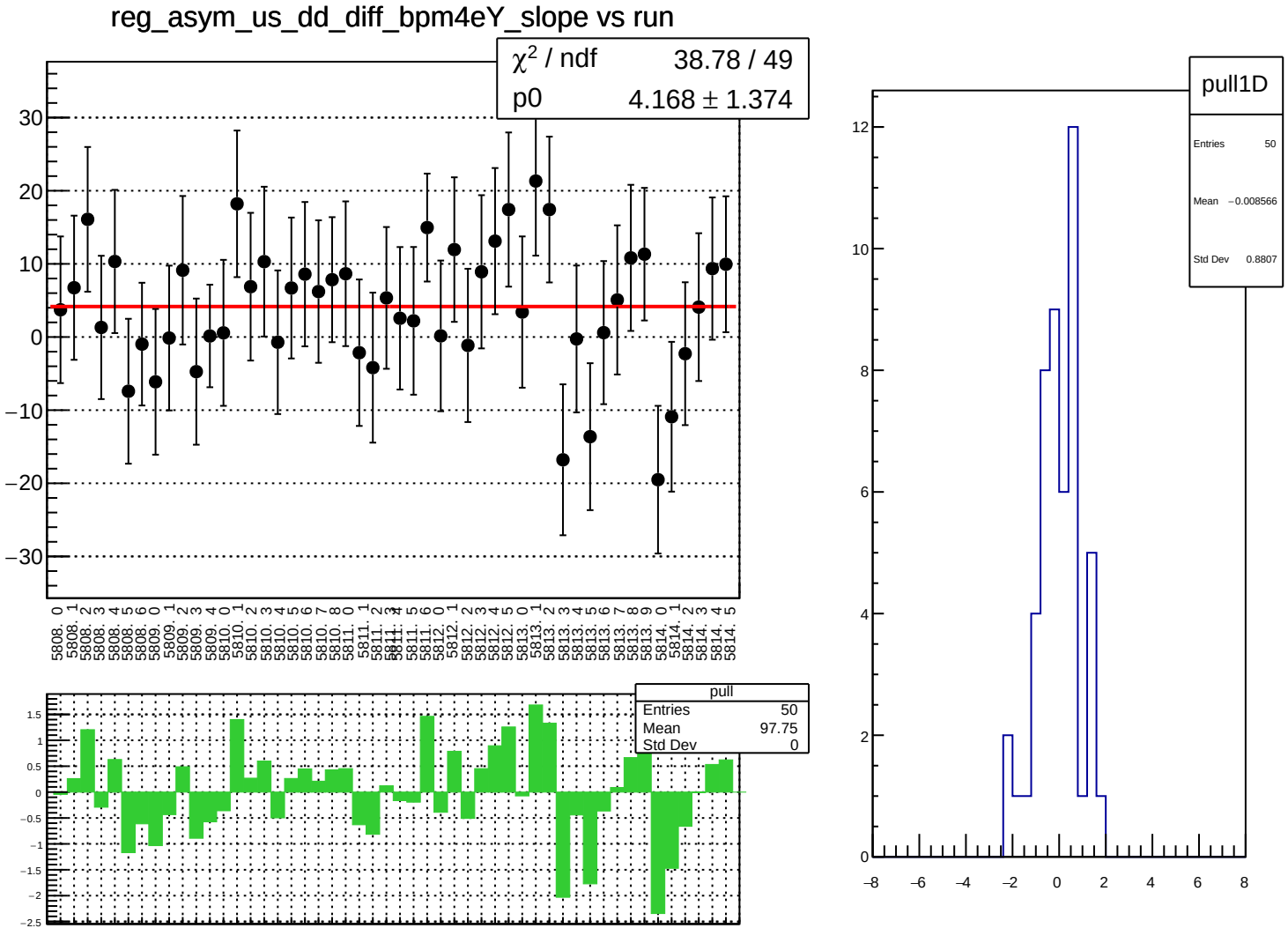

pull1D
Entries 50
Mean −0.004887
Std Dev 0.6597

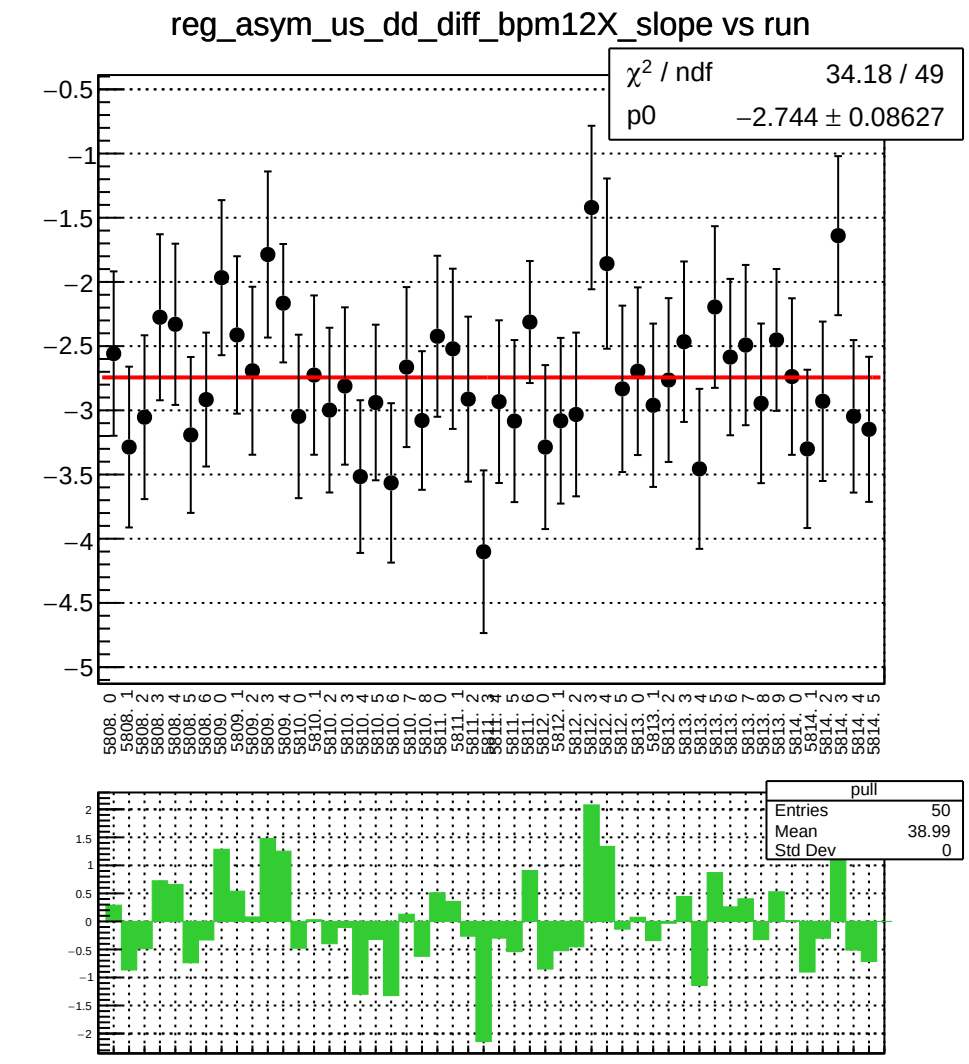

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 35.96 / 49
p0 −1.239 ± 1.255
pull
Entries 50
Mean 126.9
Std Dev 0

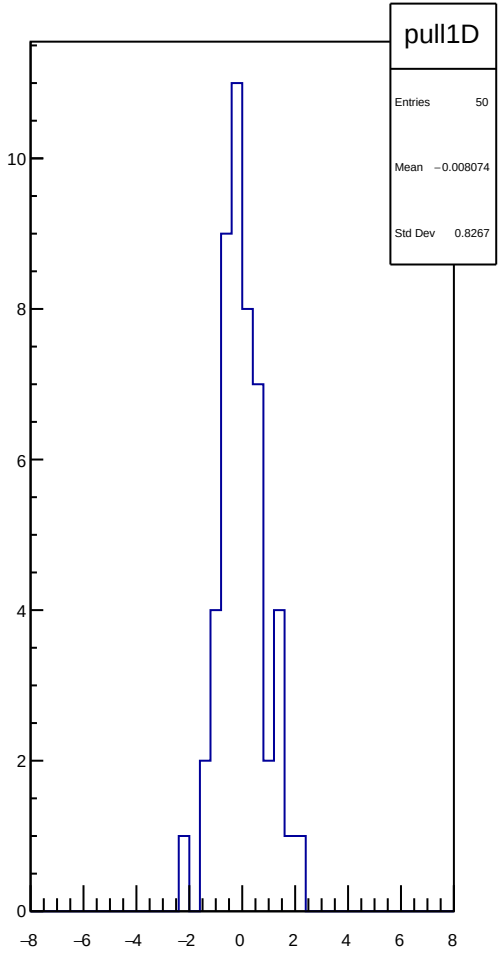

pull1D
Entries 50
Mean 0.008344
Std Dev 0.8481

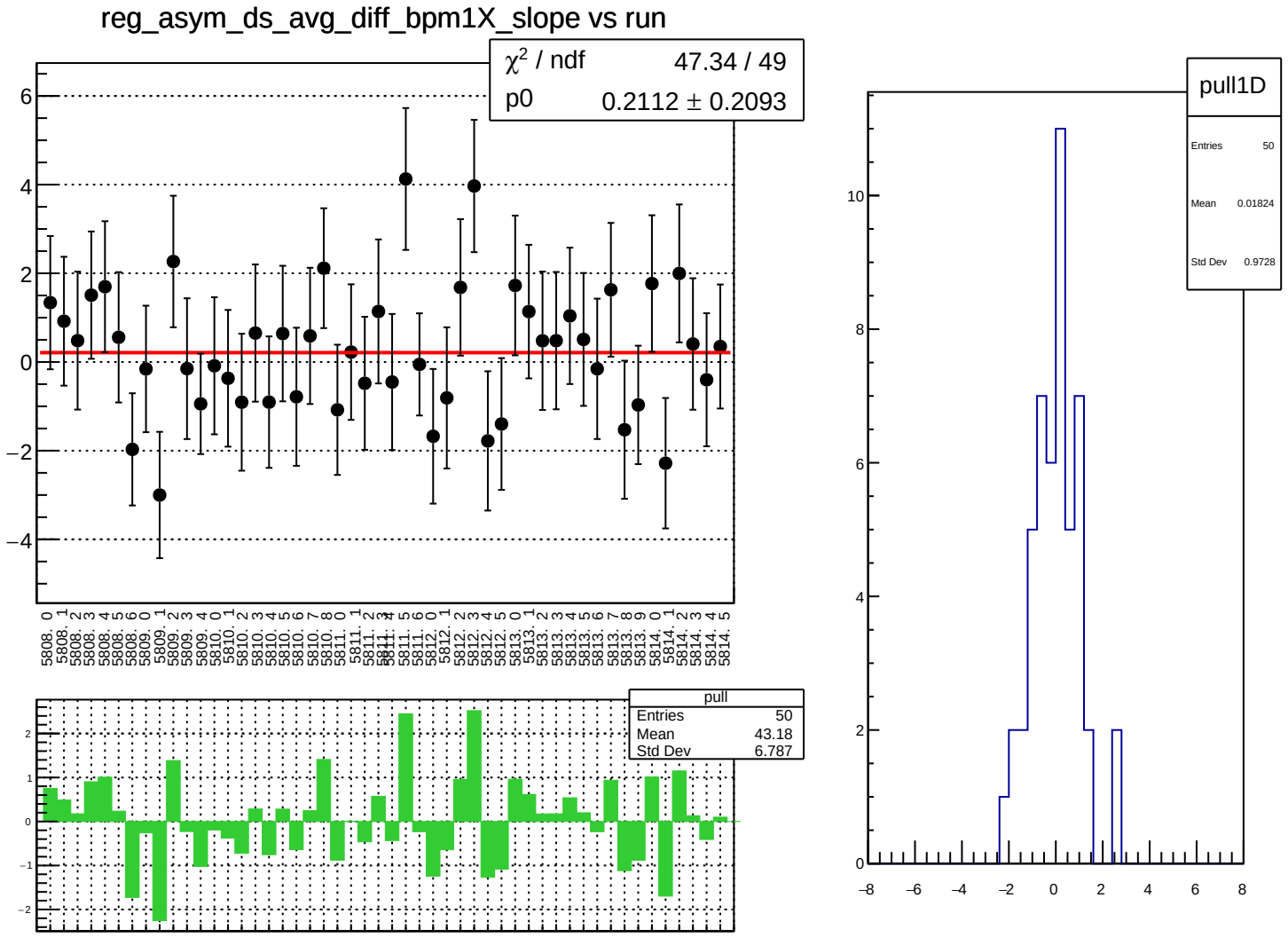

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 21.34 / 49
p0 −59.83 ± 1.127
pull
Entries 50
Mean 2133
Std Dev 0

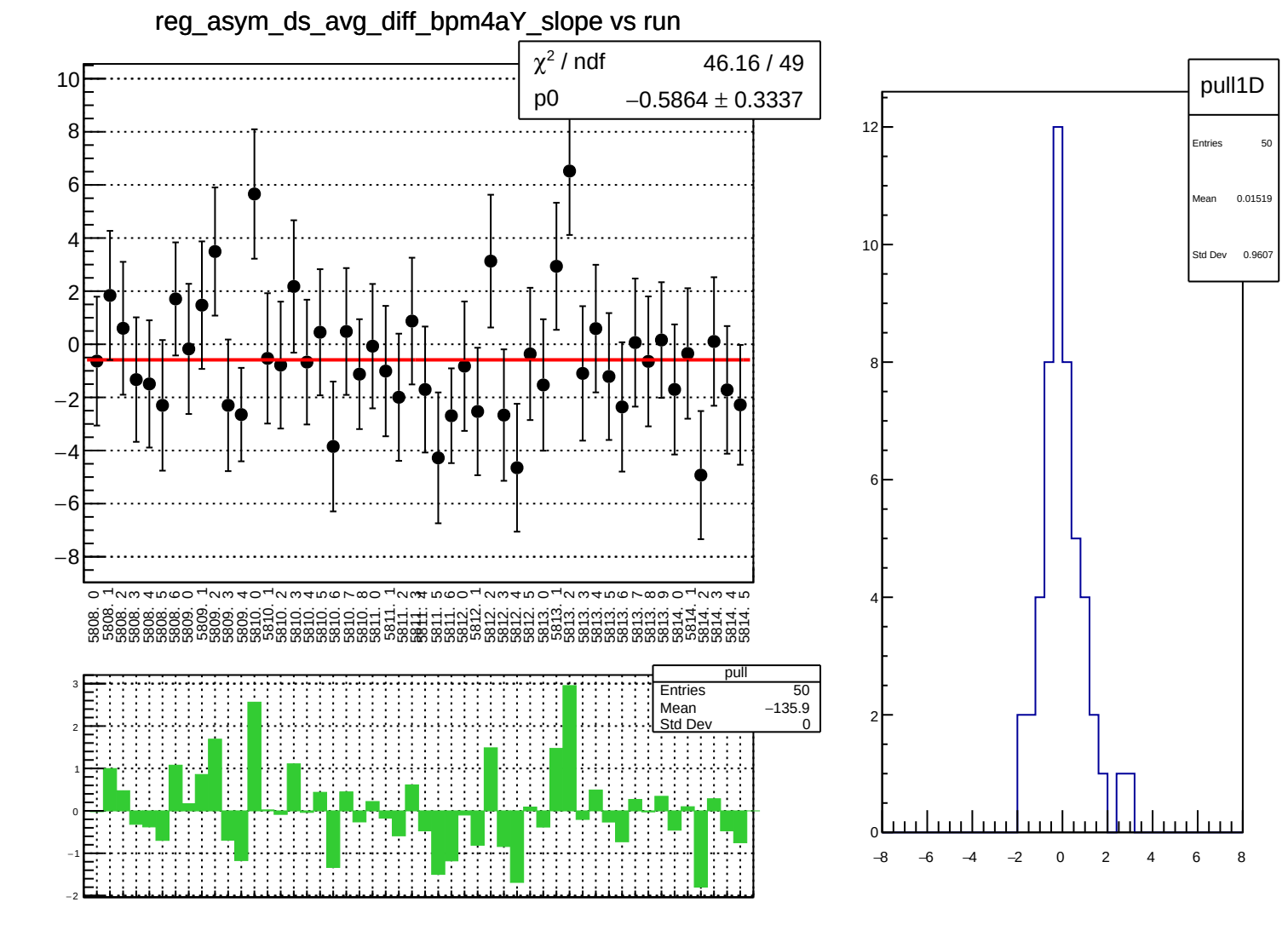

pull1D
Entries 50
Mean 0.0002004
Std Dev 0.6533

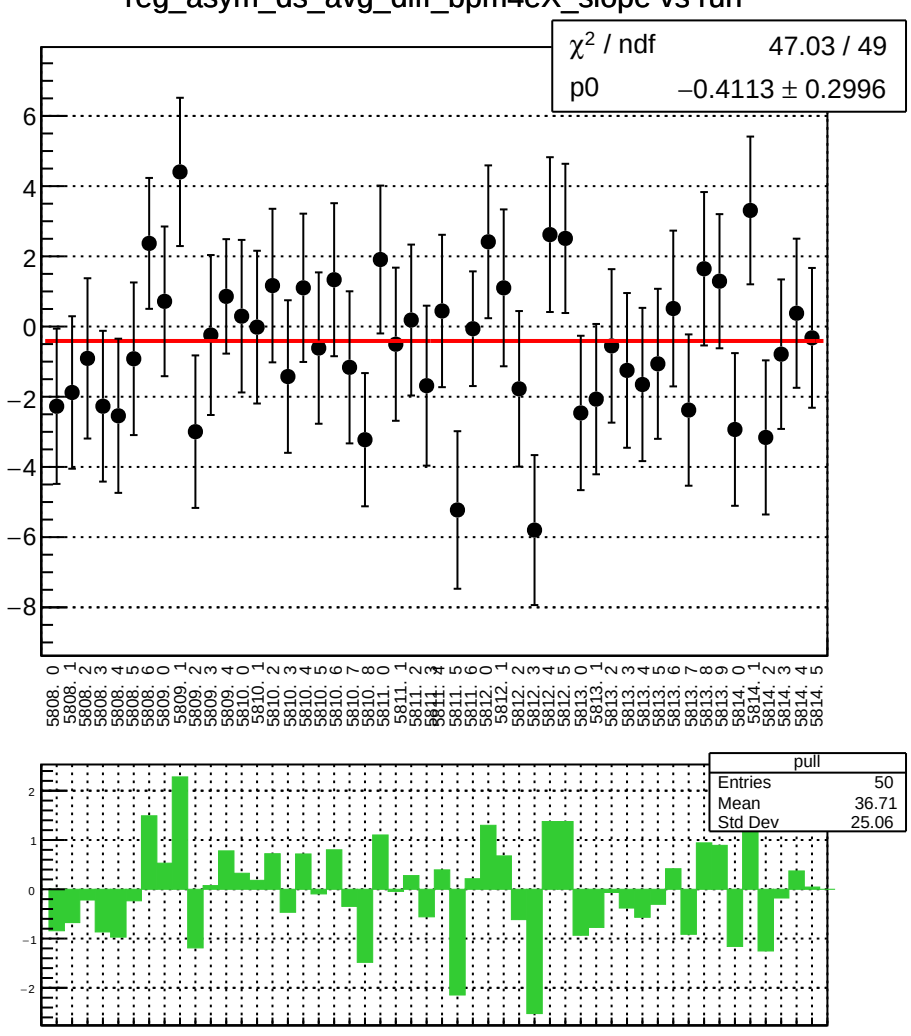

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.78 / 49
p0 4.168 ± 1.374
pull
Entries 50
Mean 97.75
Std Dev 0
pull1D
Entries 50
Mean −0.008566
Std Dev 0.8807

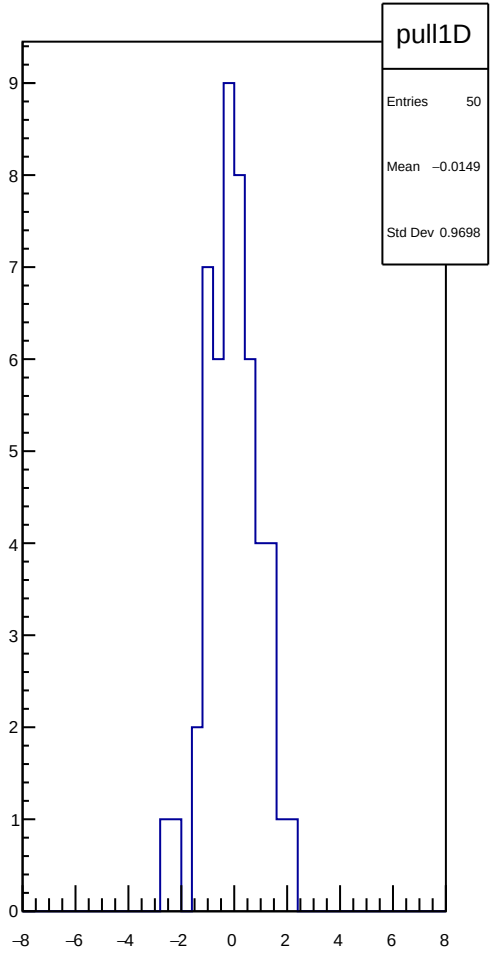

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 34.18 / 49
p0 −2.744 ± 0.08627
pull
Entries 50
Mean 38.99
Std Dev 0

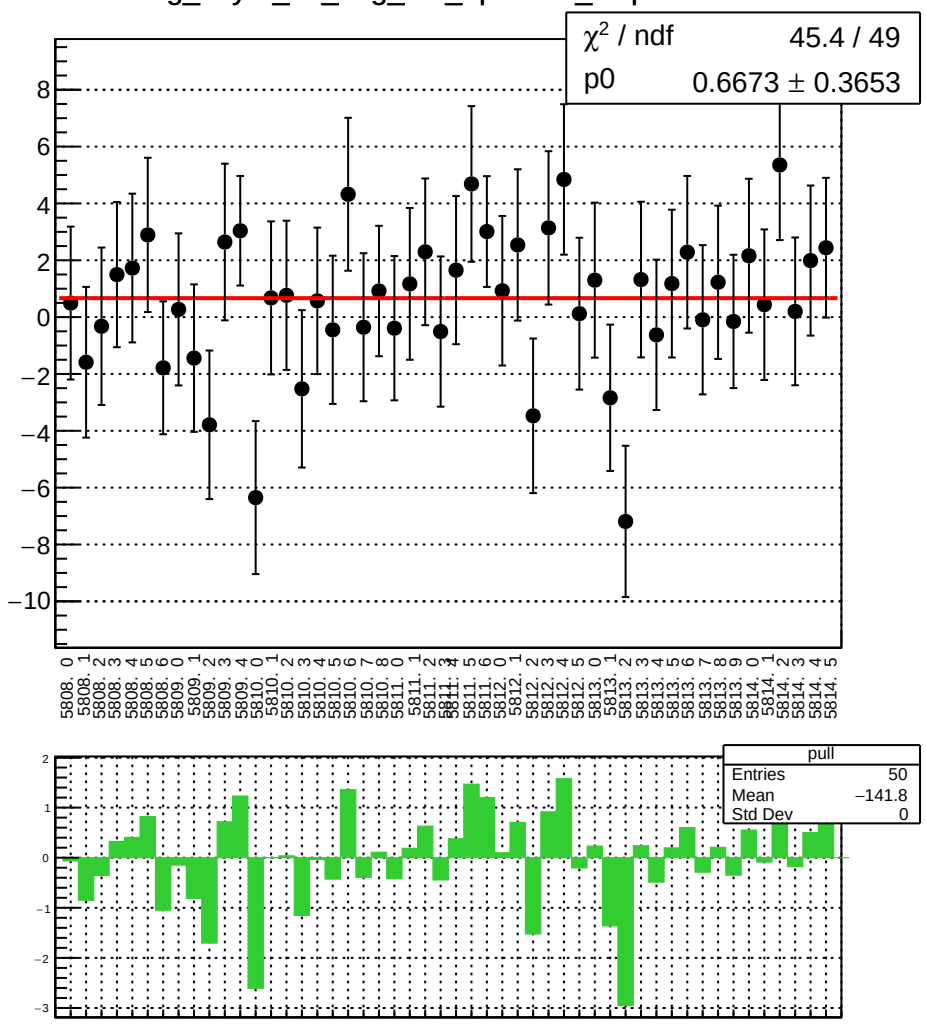

pull1D
Entries 50
Mean −0.008074
Std Dev 0.8267

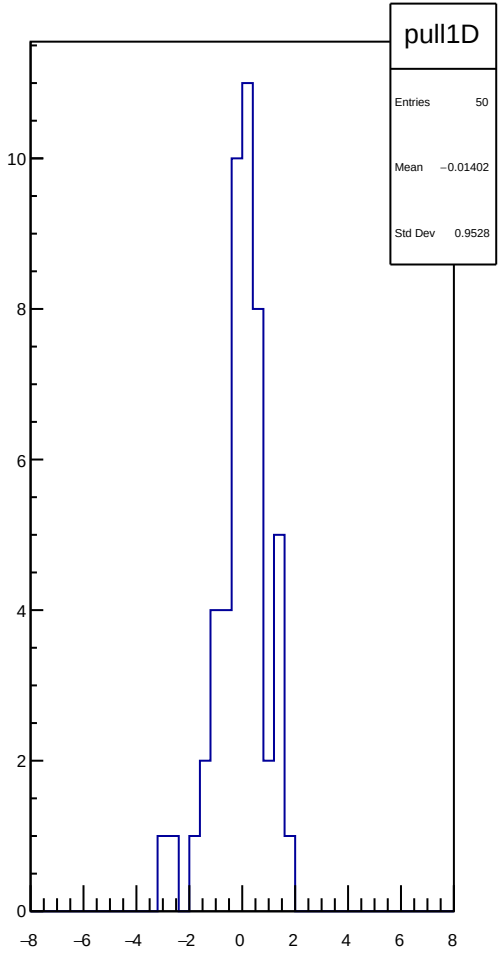

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 47.34 / 49
p0 0.2112 ± 0.2093
pull
Entries 50
Mean 43.18
Std Dev 6.787
pull1D
Entries 50
Mean 0.01824
Std Dev 0.9728

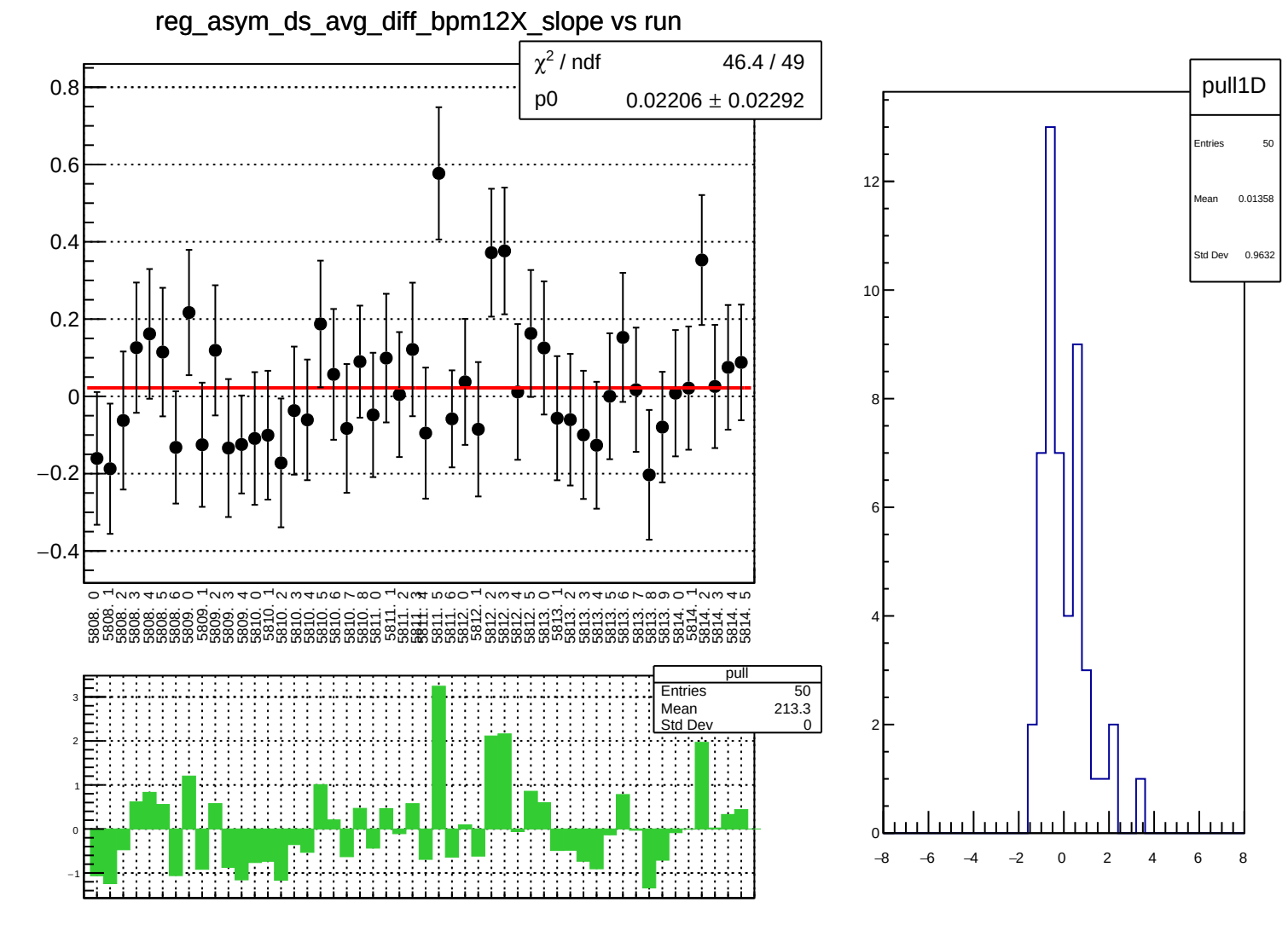

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 46.16 / 49
p0 −0.5864 ± 0.3337
pull
Entries 50
Mean −135.9
Std Dev 0
pull1D
Entries 50
Mean 0.01519
Std Dev 0.9607

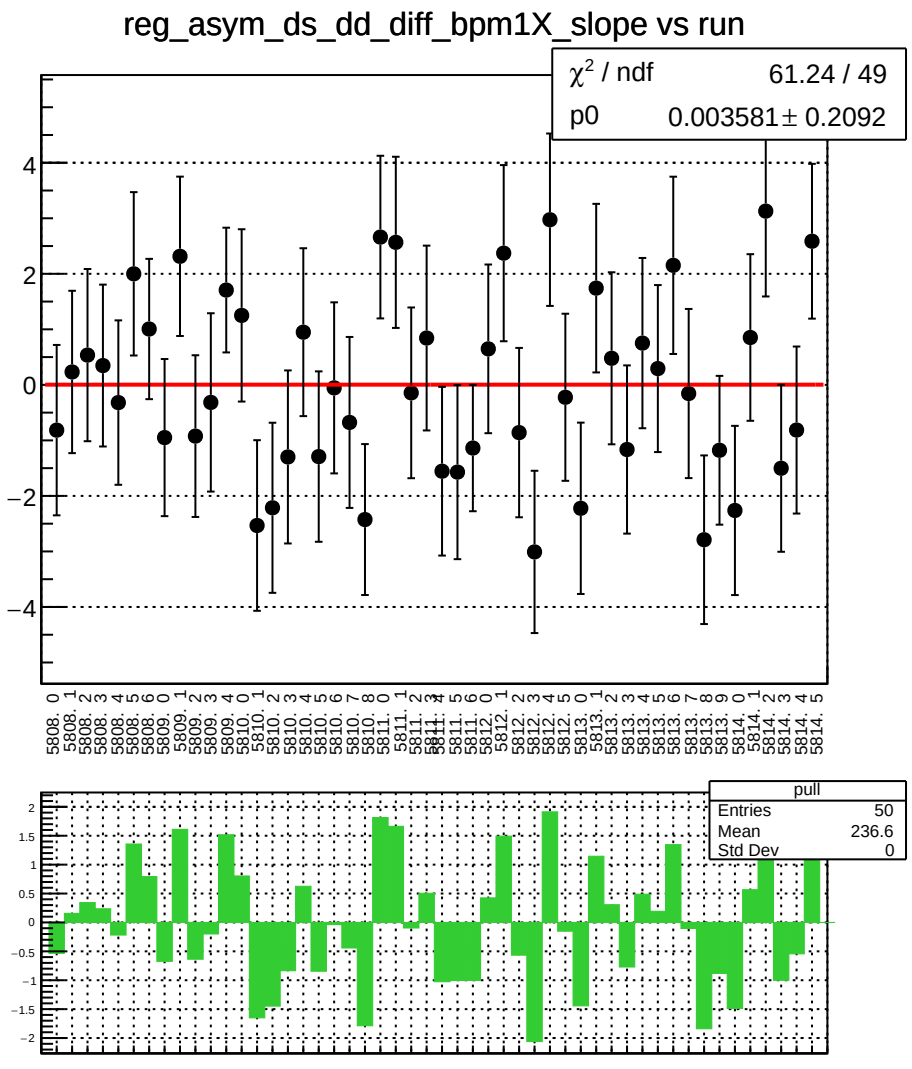

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 47.03 / 49
p0 −0.4113 ± 0.2996
pull
Entries 50
Mean 36.71
Std Dev 25.06

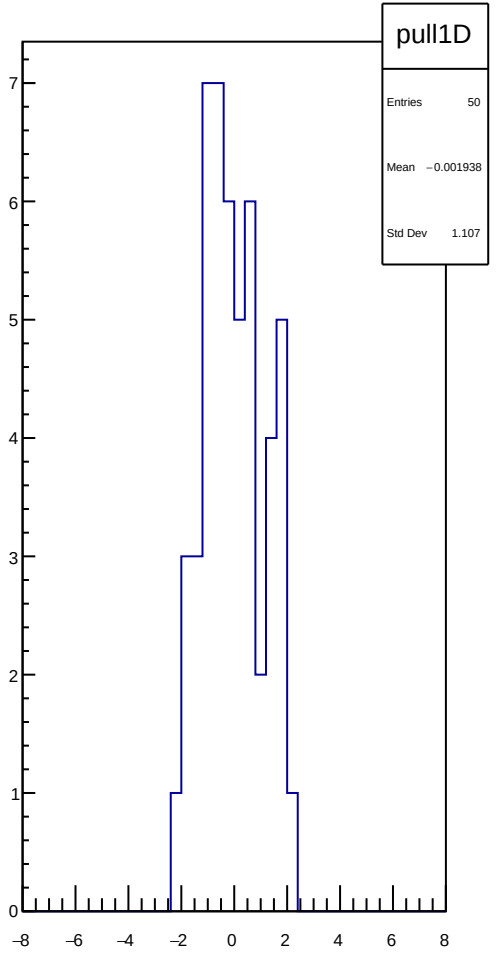

pull1D
Entries 50
Mean −0.0149
Std Dev 0.9698

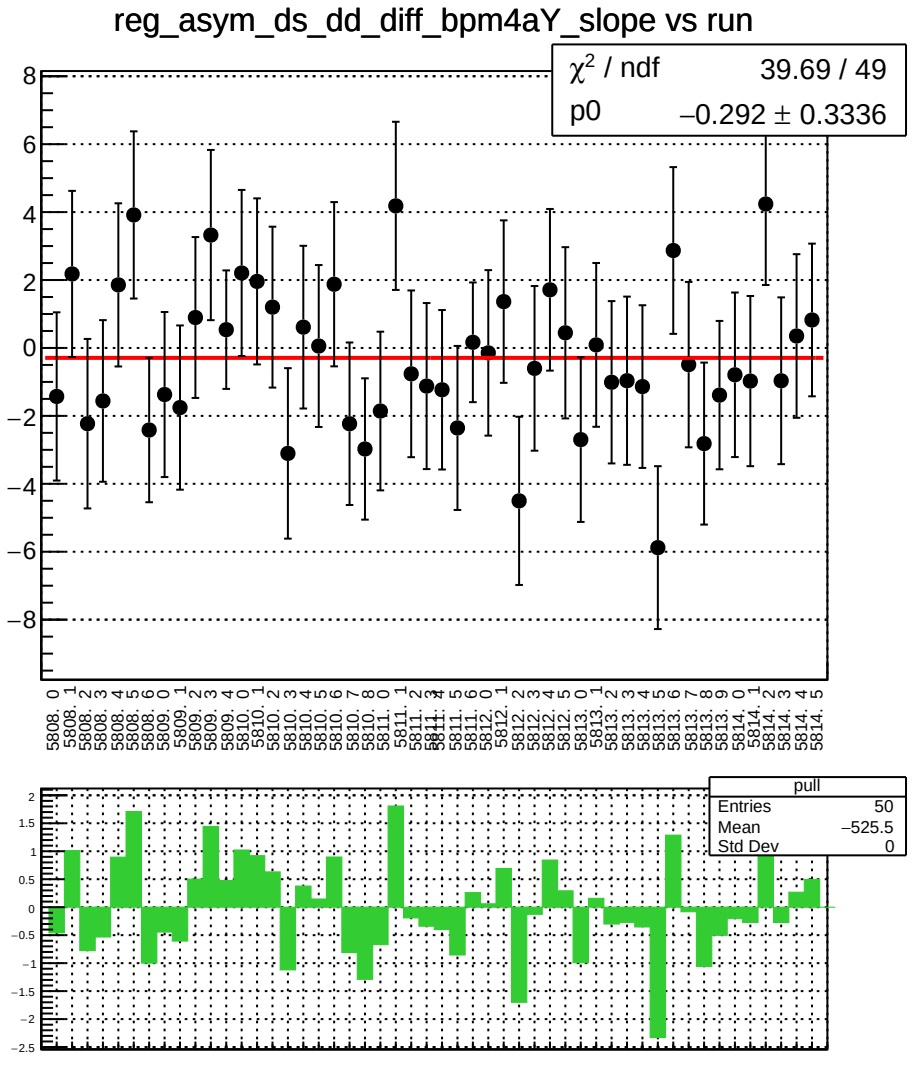

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.4 / 49
p0 0.6673 ± 0.3653
pull
Entries 50
Mean −141.8
Std Dev 0

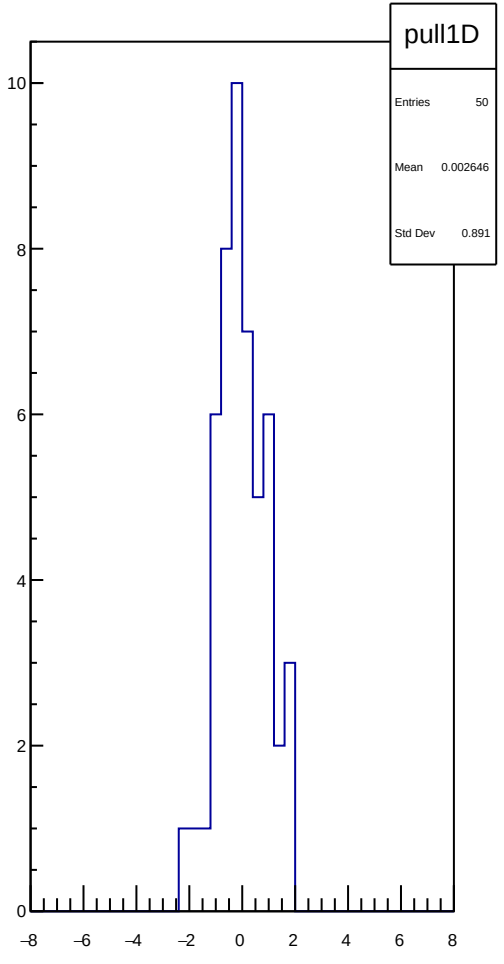

pull1D
Entries 50
Mean −0.01402
Std Dev 0.9528

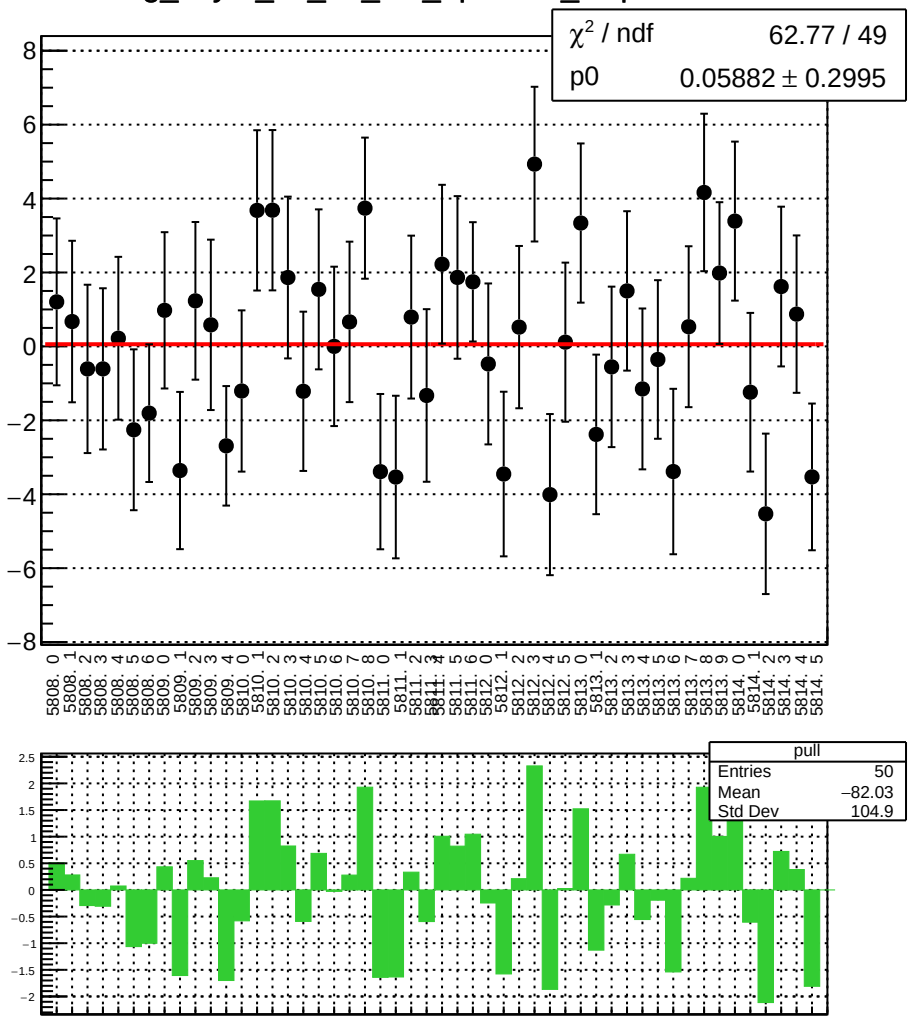

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 46.4 / 49
p0 0.02206 ± 0.02292
pull
Entries 50
Mean 213.3
Std Dev 0
pull1D
Entries 50
Mean 0.01358
Std Dev 0.9632

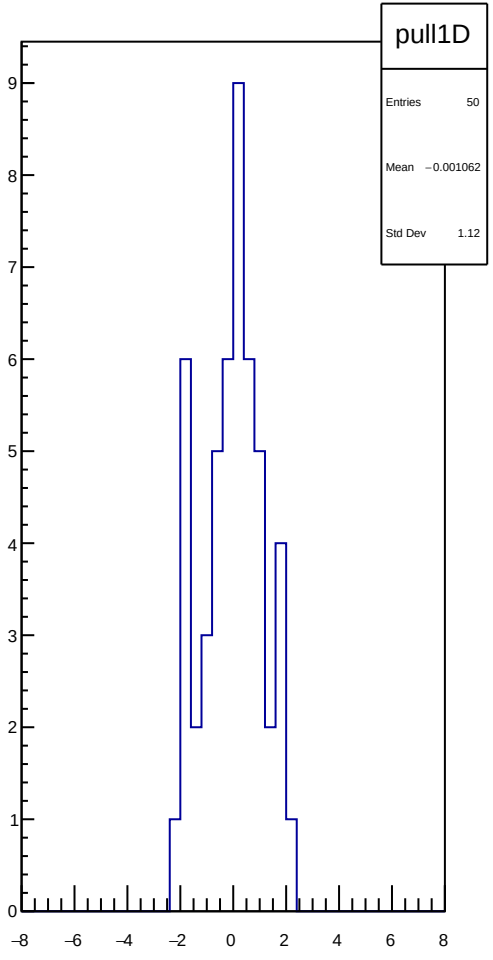

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 61.24 / 49
p0 0.003581 ± 0.2092
pull
Entries 50
Mean 236.6
Std Dev 0

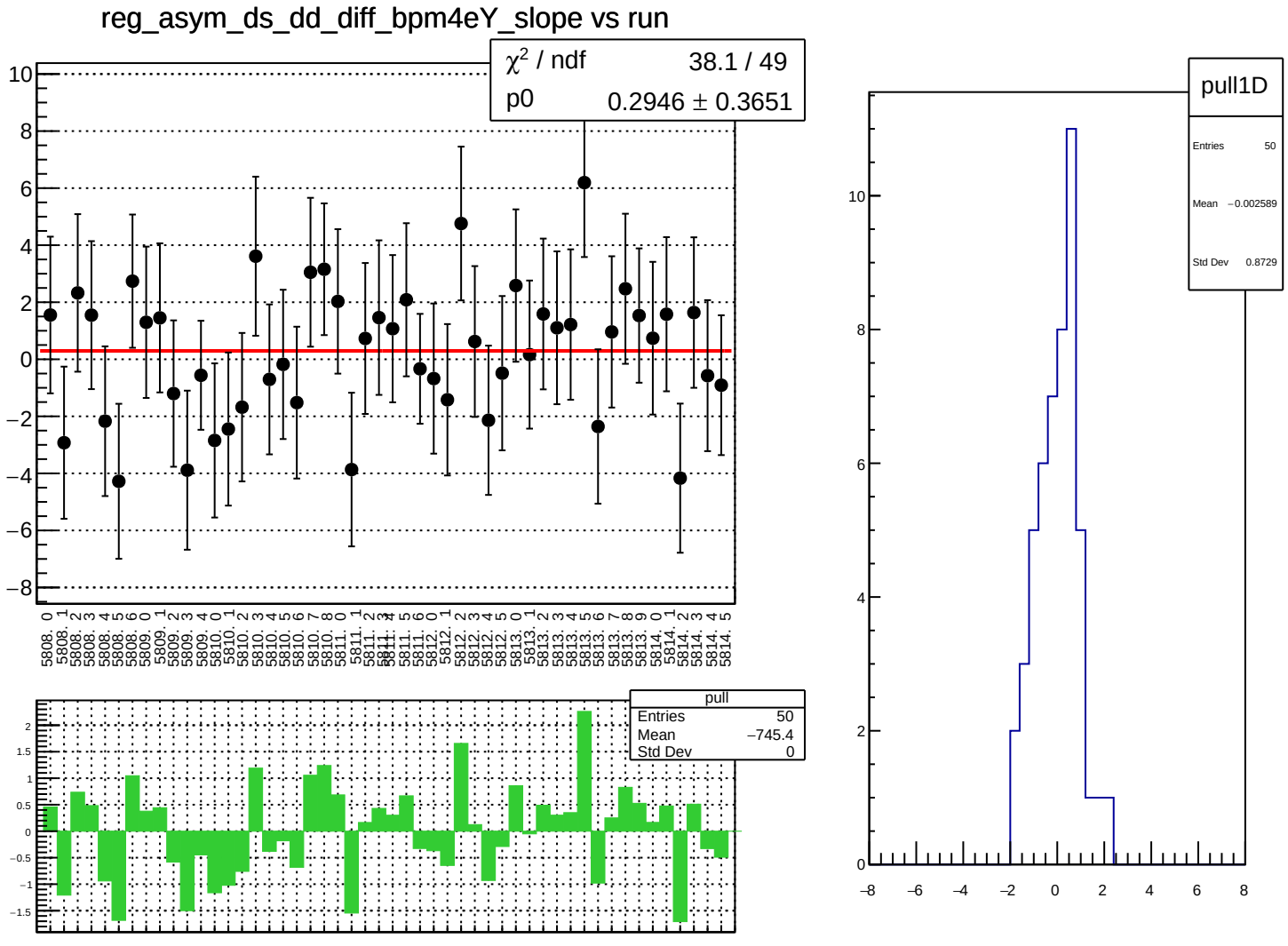

pull1D
Entries 50
Mean −0.001938
Std Dev 1.107

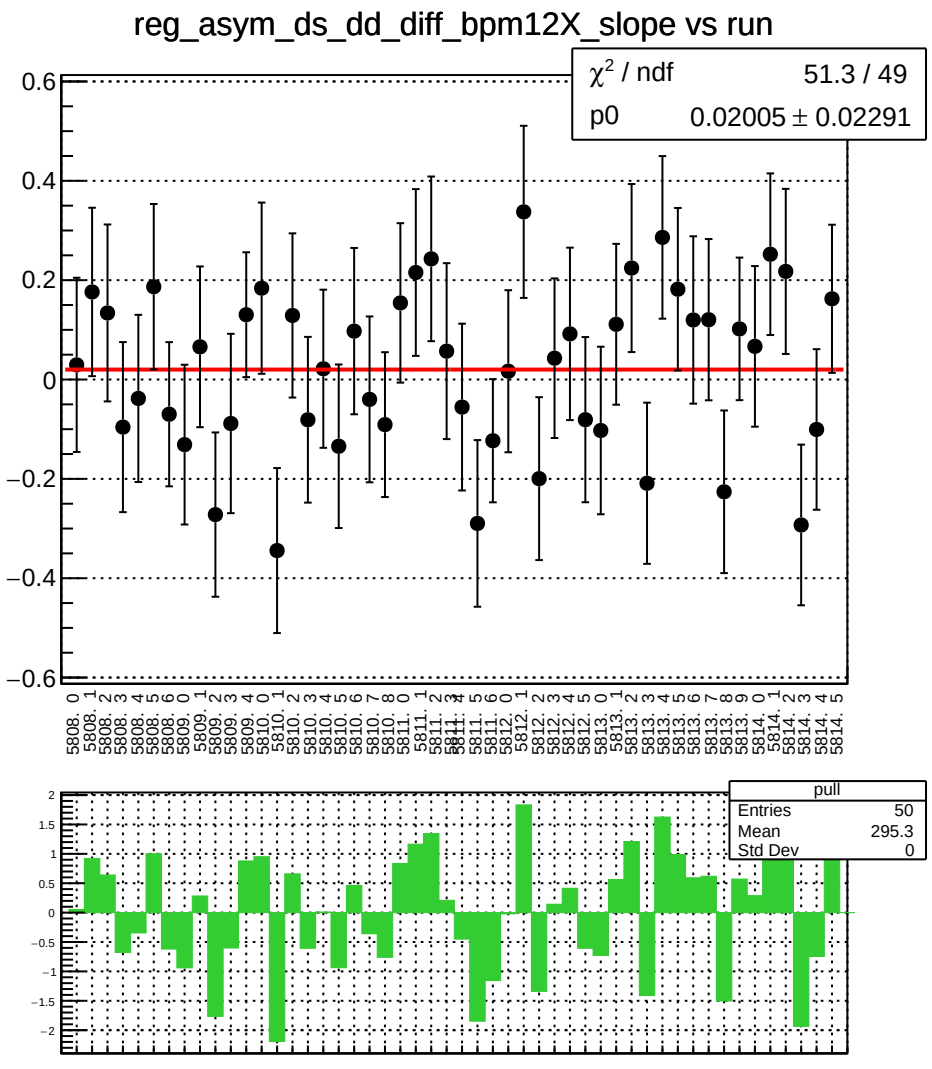

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.69 / 49
p0 −0.292 ± 0.3336
pull
Entries 50
Mean −525.5
Std Dev 0

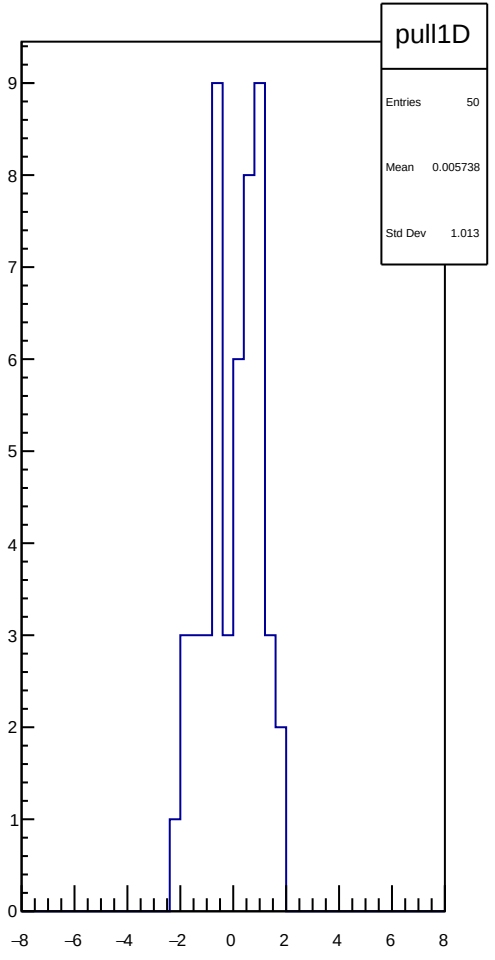

pull1D
Entries 50
Mean 0.002646
Std Dev 0.891

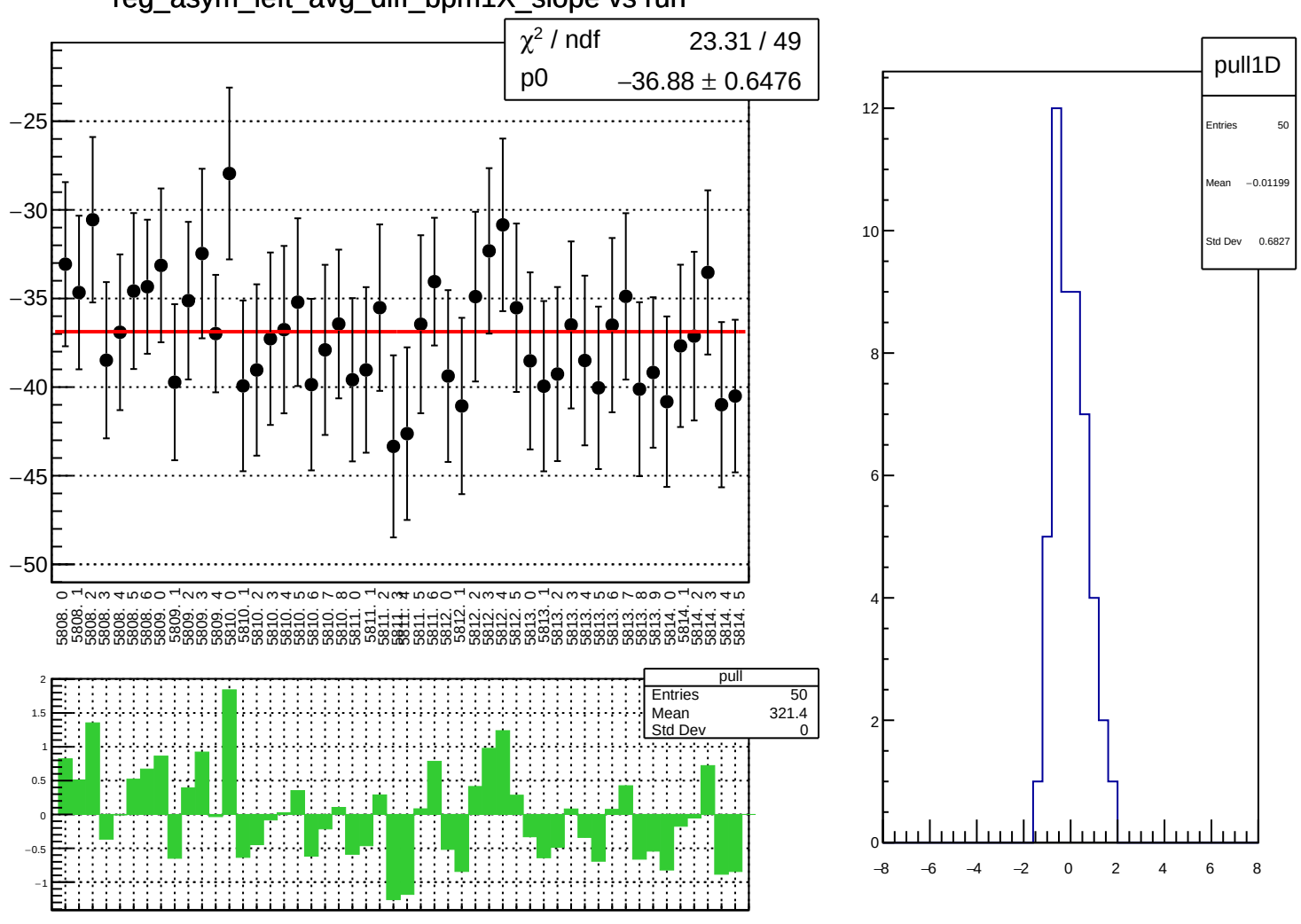

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 62.77 / 49
p0 0.05882 ± 0.2995
pull
Entries 50
Mean −82.03
Std Dev 104.9

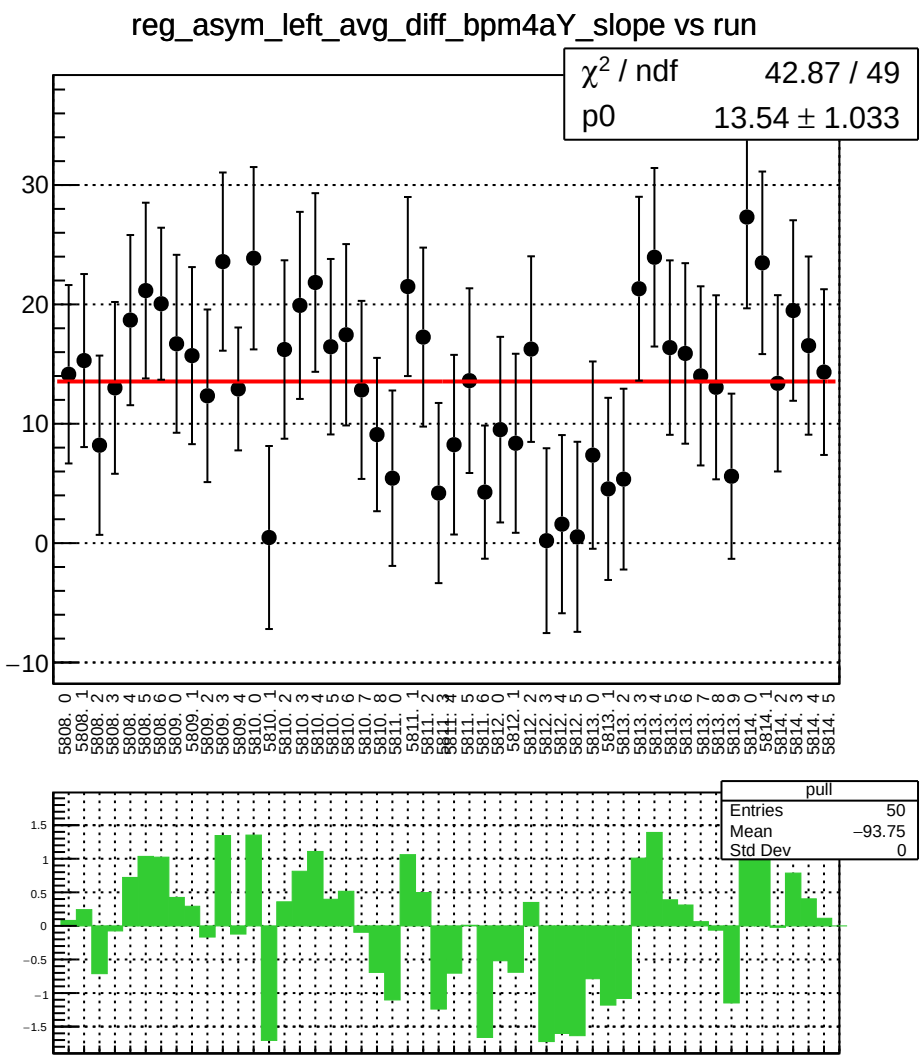

pull1D
Entries 50
Mean −0.001062
Std Dev 1.12

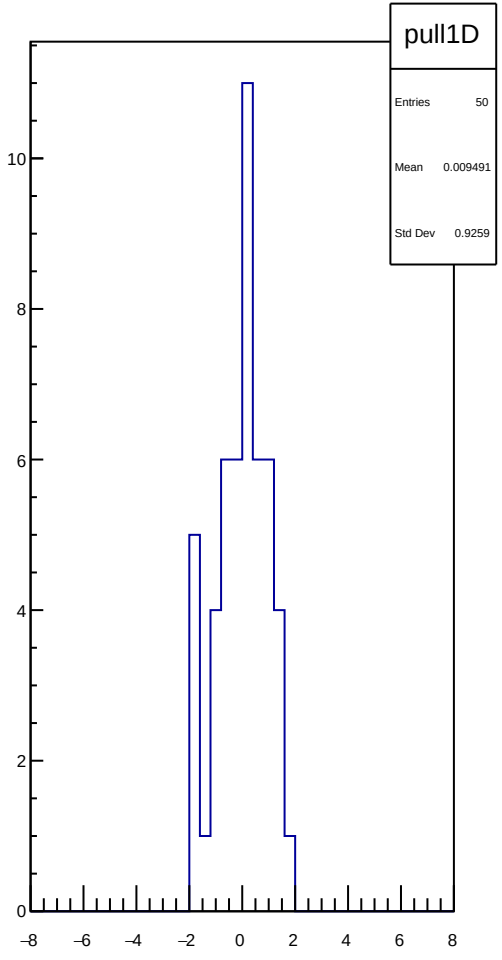

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 38.1 / 49
p0 0.2946 ± 0.3651
pull
Entries 50
Mean −745.4
Std Dev 0
pull1D
Entries 50
Mean −0.002589
Std Dev 0.8729

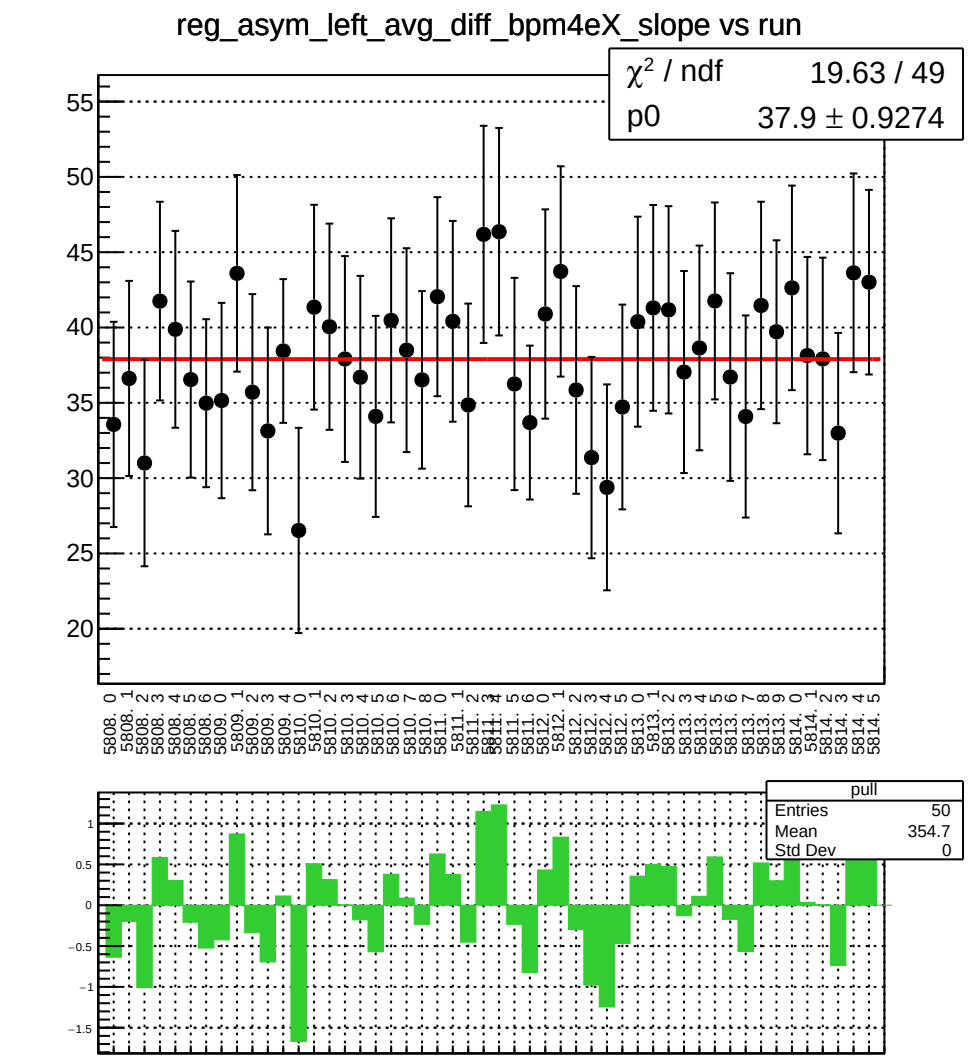

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 51.3 / 49
p0 0.02005 ± 0.02291
pull
Entries 50
Mean 295.3
Std Dev 0

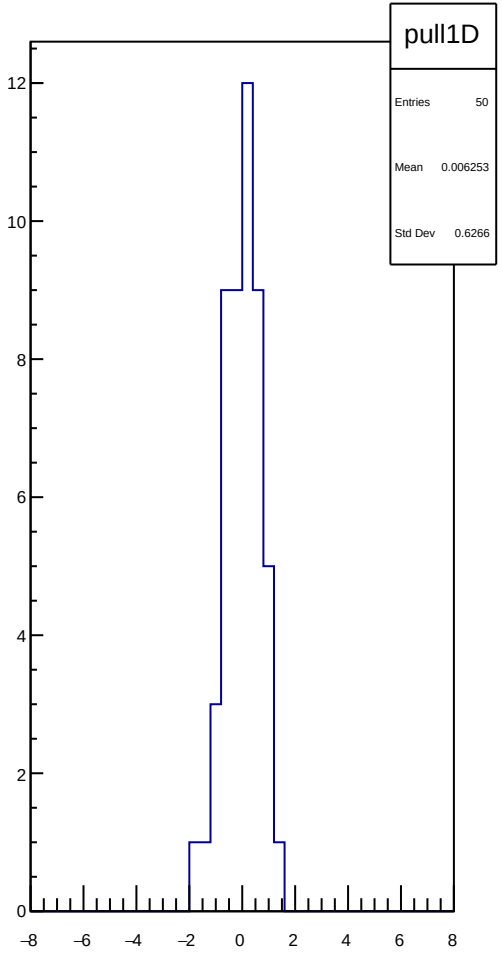

pull1D
Entries 50
Mean 0.005738
Std Dev 1.013

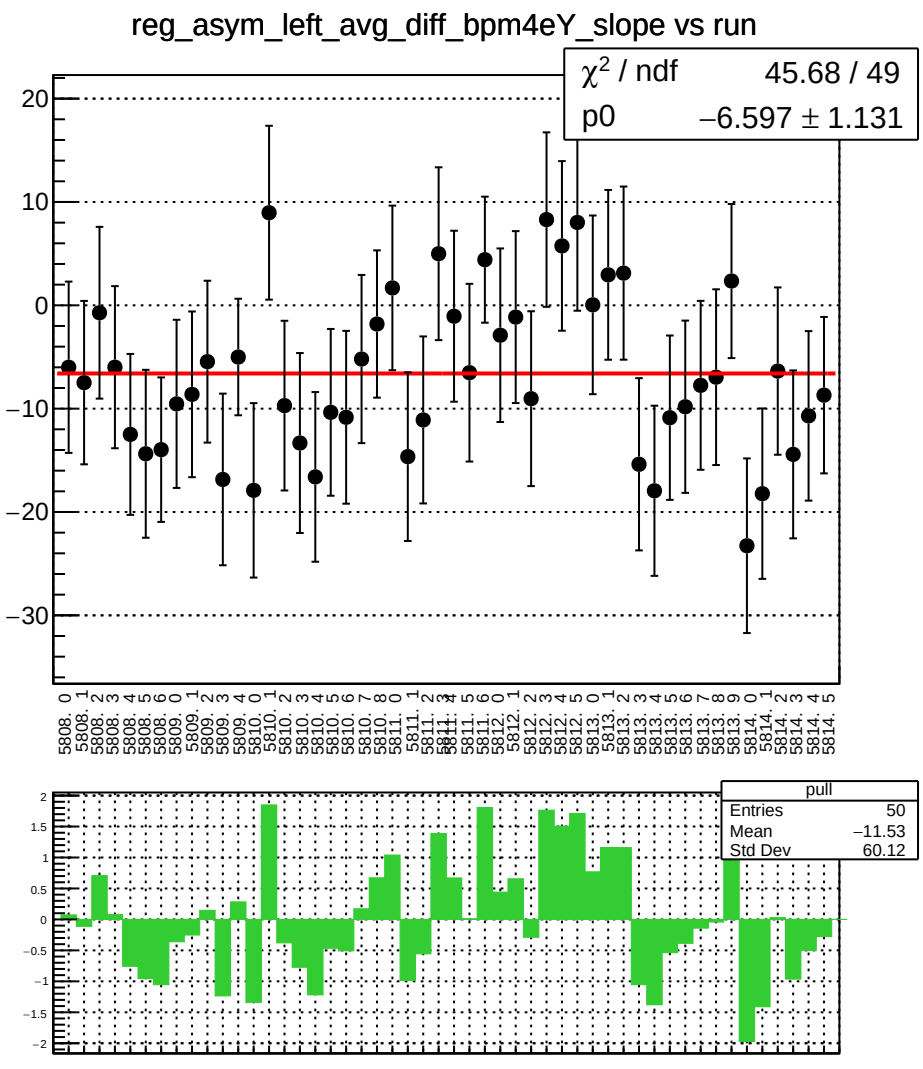

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 23.31 / 49
p0 −36.88 ± 0.6476
pull
Entries 50
Mean 321.4
Std Dev 0
pull1D
Entries 50
Mean −0.01199
Std Dev 0.6827

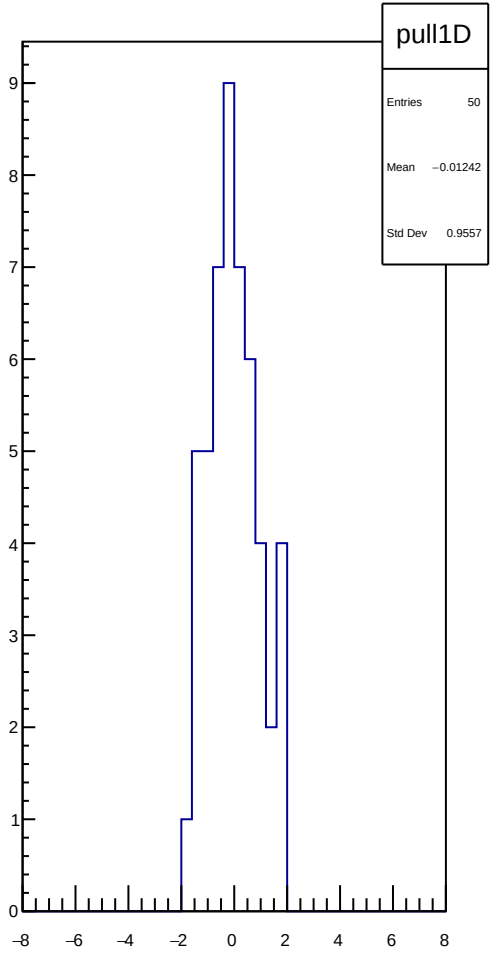

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.87 / 49
p0 13.54 ± 1.033
pull
Entries 50
Mean −93.75
Std Dev 0

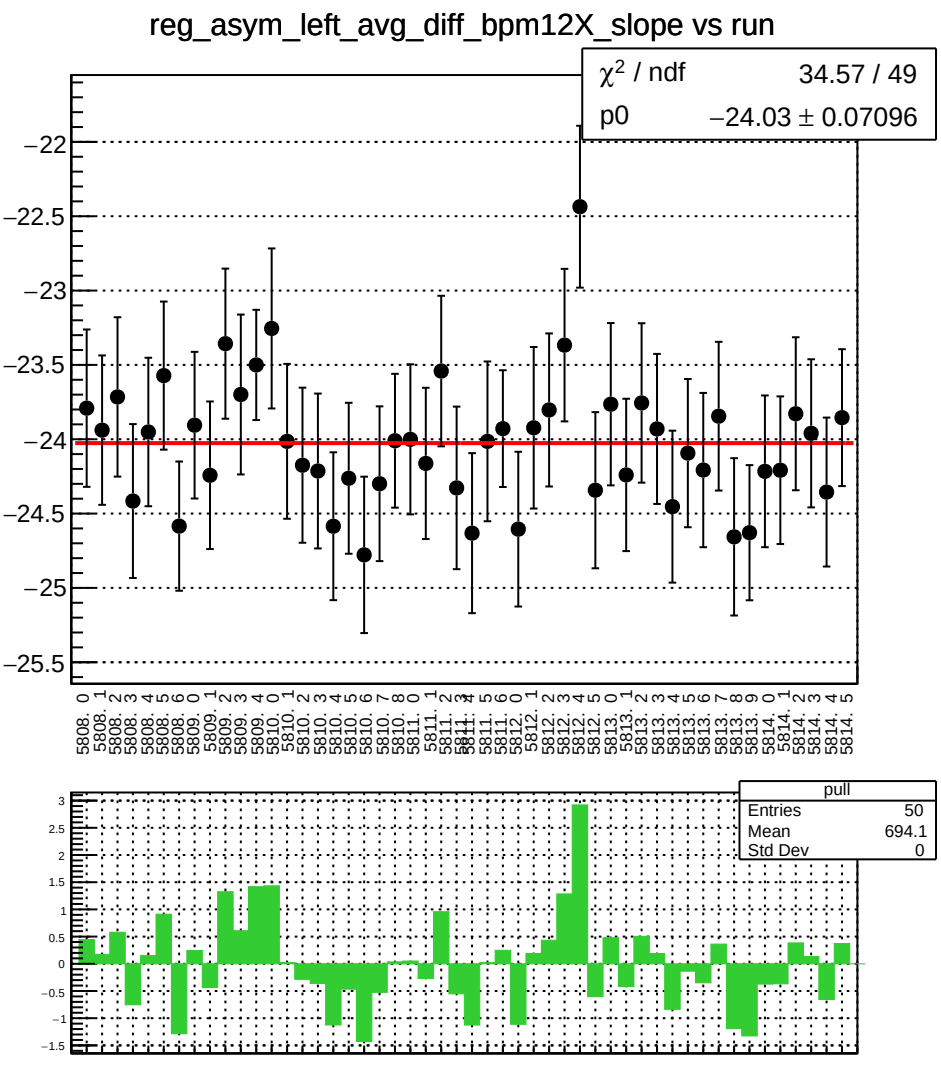

pull1D
Entries 50
Mean 0.009491
Std Dev 0.9259

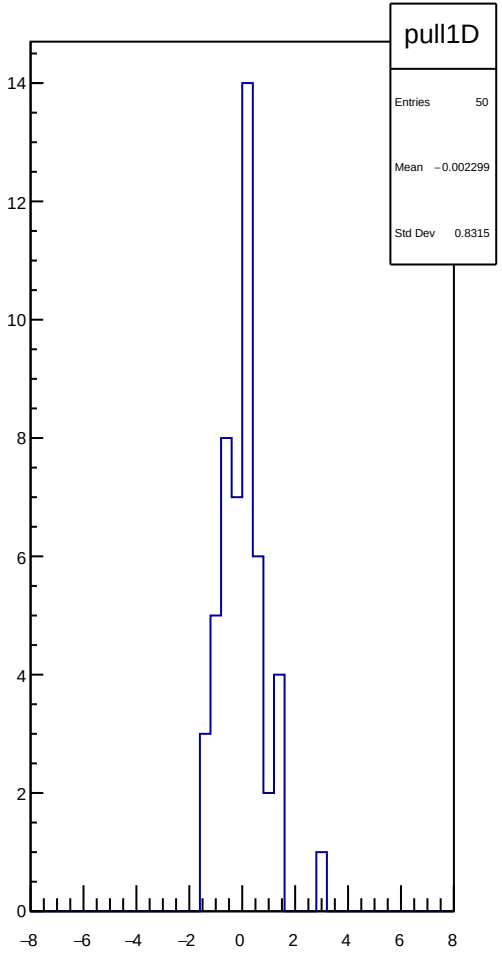

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.63 / 49
p0 37.9 ± 0.9274
pull
Entries 50
Mean 354.7
Std Dev 0

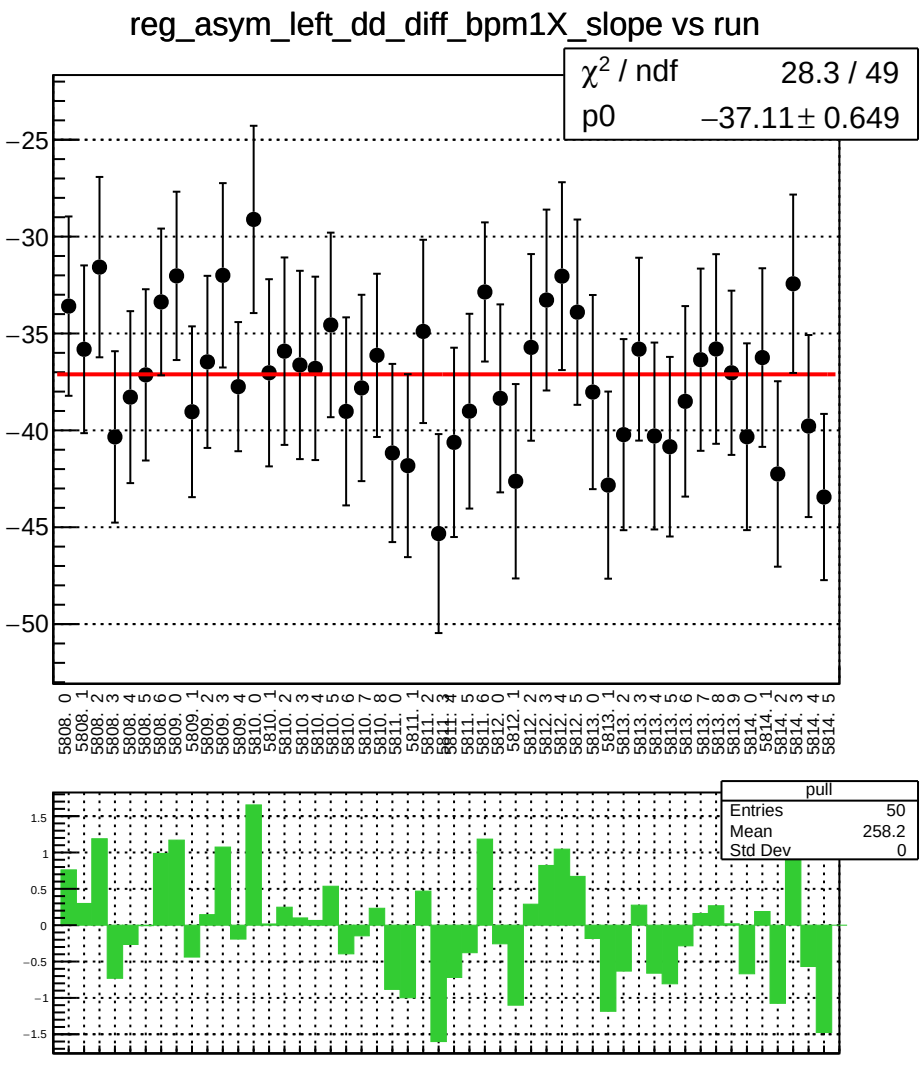

pull1D
Entries 50
Mean 0.006253
Std Dev 0.6266

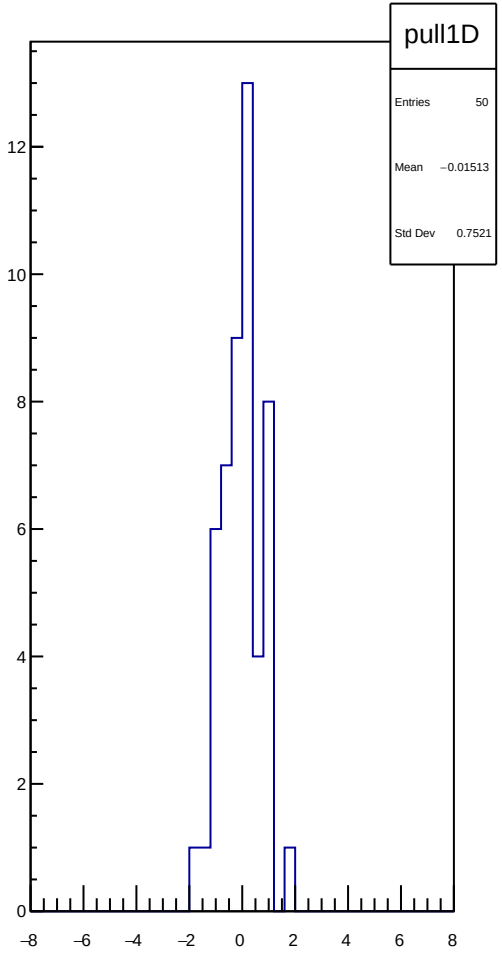

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 45.68 / 49
p0 −6.597 ± 1.131
pull
Entries 50
Mean −11.53
Std Dev 60.12

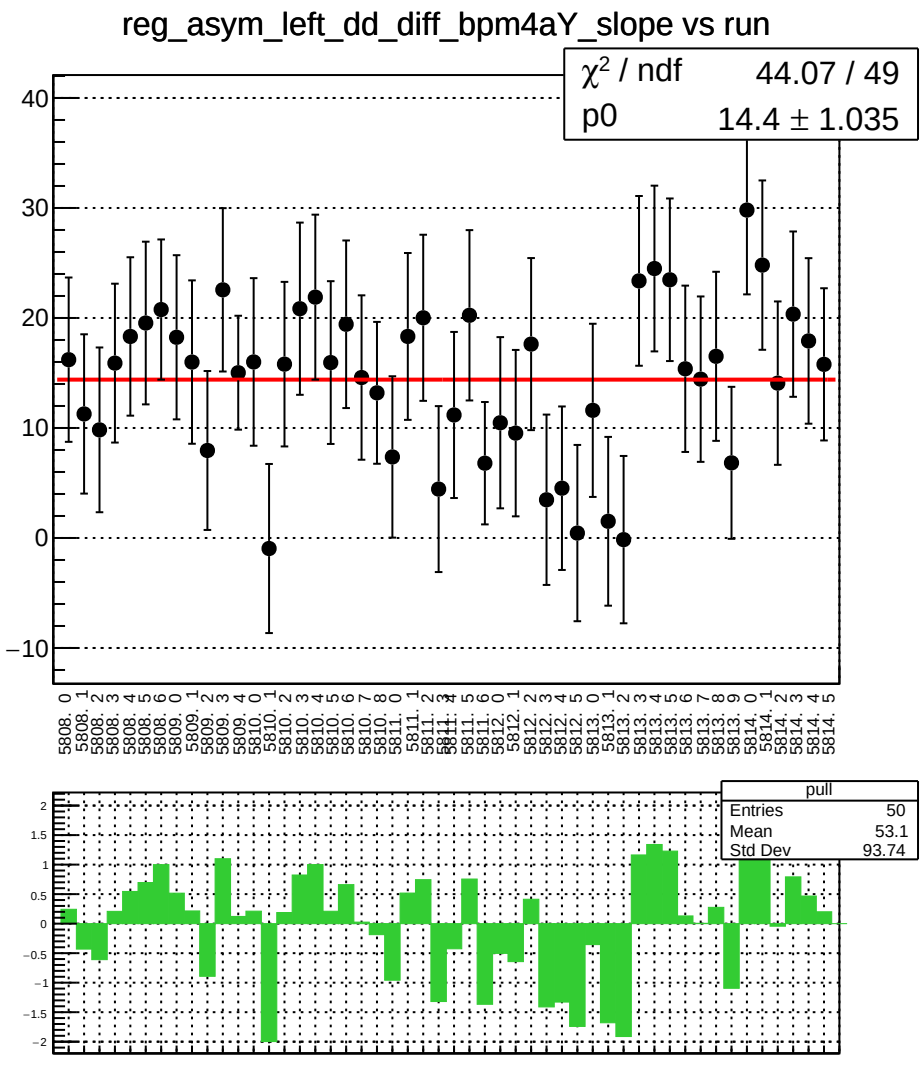

pull1D
Entries 50
Mean −0.01242
Std Dev 0.9557

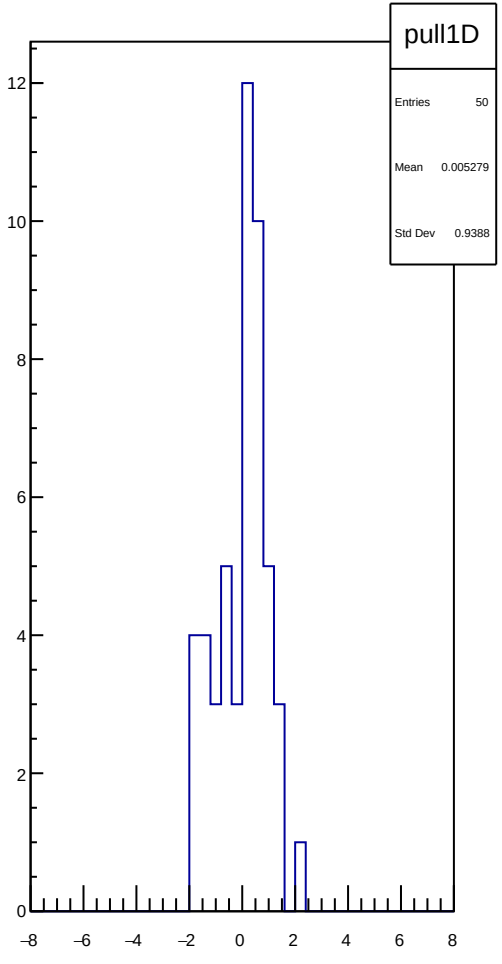

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 34.57 / 49
p0 −24.03 ± 0.07096
pull
Entries 50
Mean 694.1
Std Dev 0

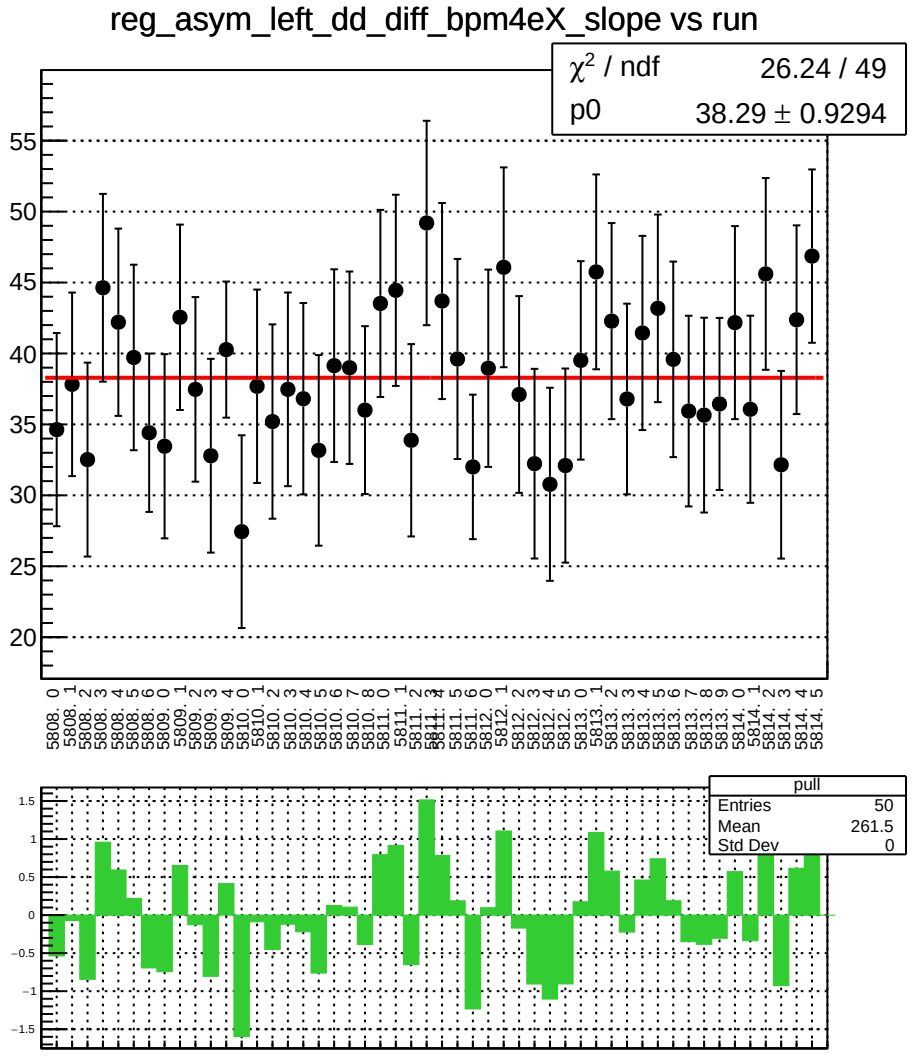

pull1D
Entries 50
Mean −0.002299
Std Dev 0.8315

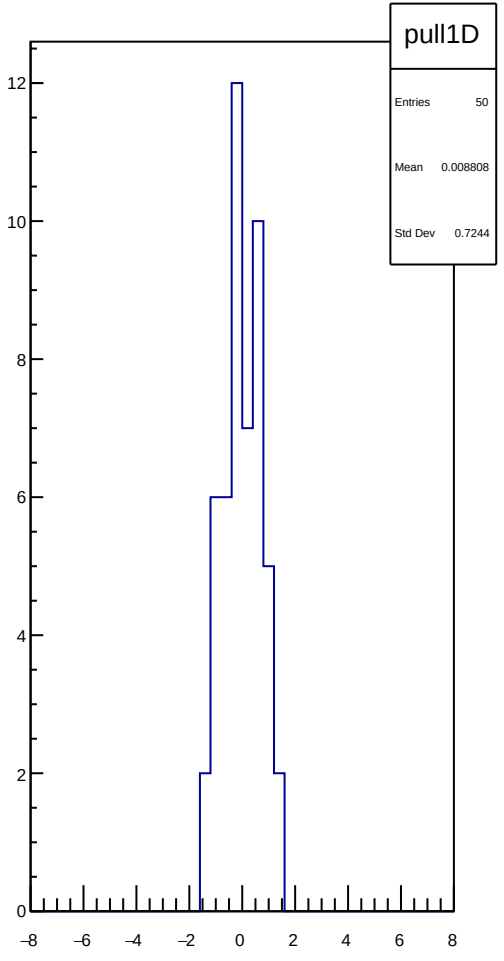

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 28.3 / 49
p0 −37.11 ± 0.649
pull
Entries 50
Mean 258.2
Std Dev 0

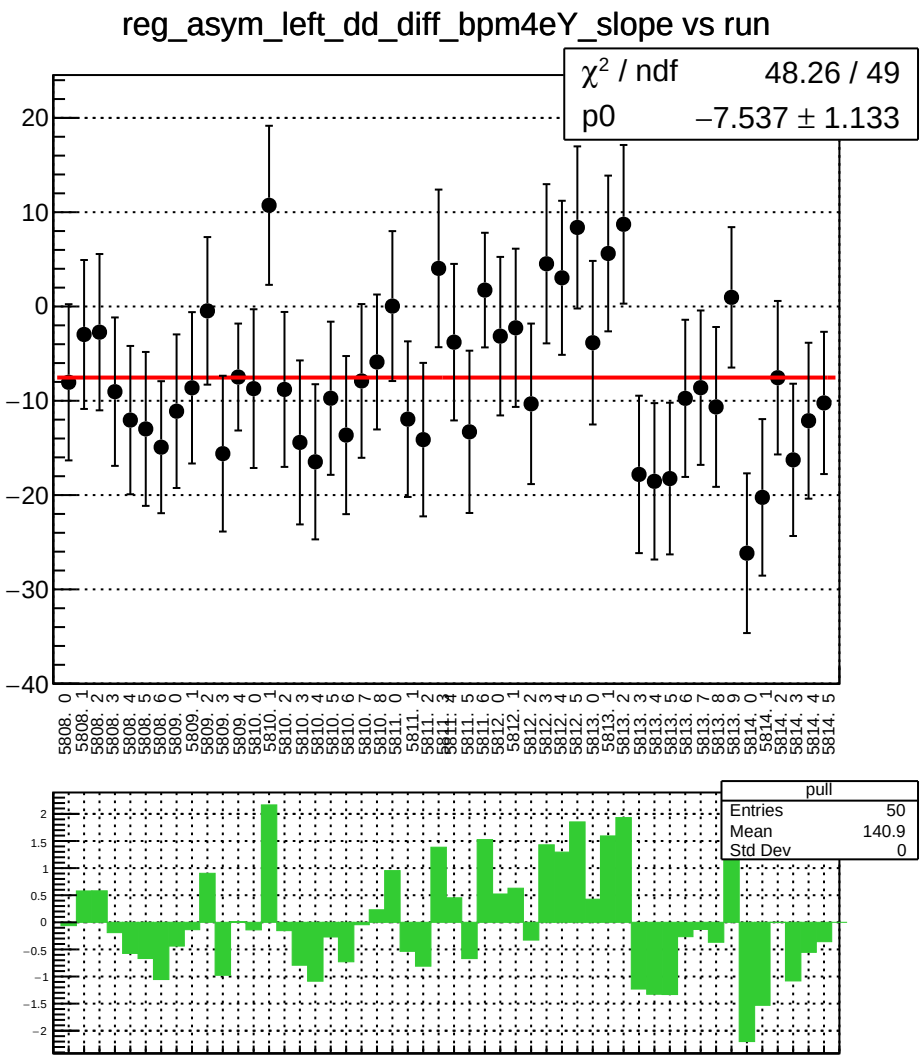

pull1D
Entries 50
Mean −0.01513
Std Dev 0.7521

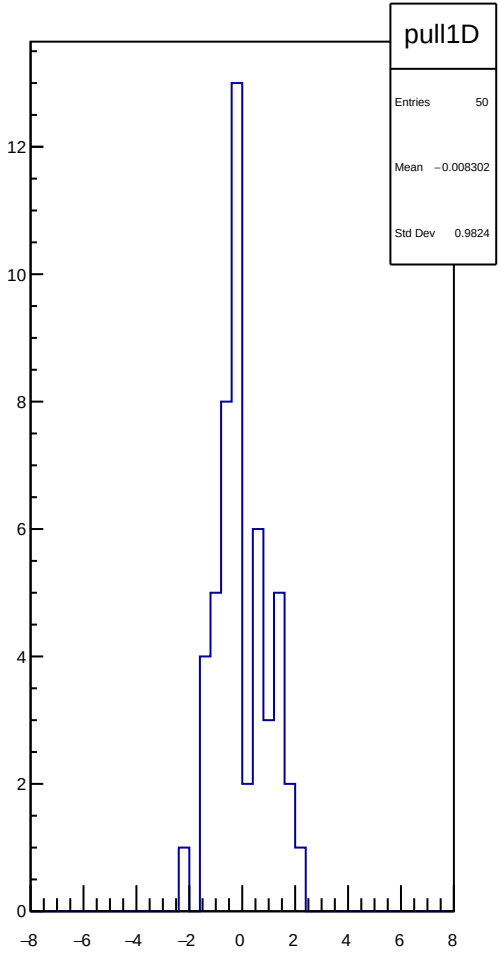

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 44.07 / 49
p0 14.4 ± 1.035
pull
Entries 50
Mean 53.1
Std Dev 93.74

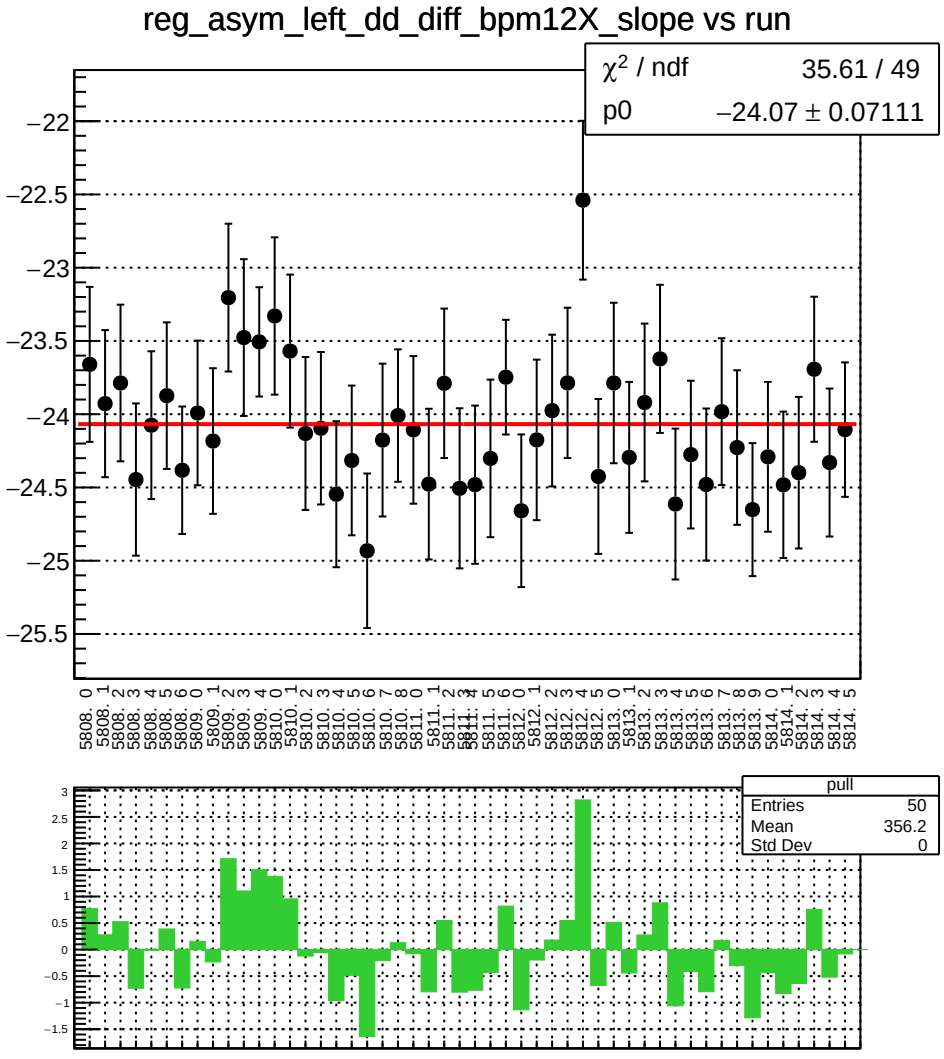

pull1D
Entries 50
Mean 0.005279
Std Dev 0.9388

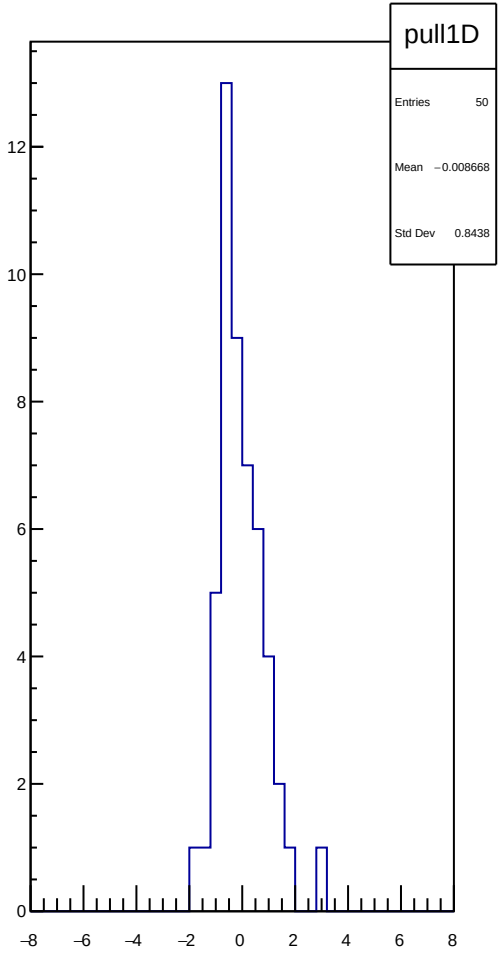

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 26.24 / 49
p0 38.29 ± 0.9294
pull
Entries 50
Mean 261.5
Std Dev 0

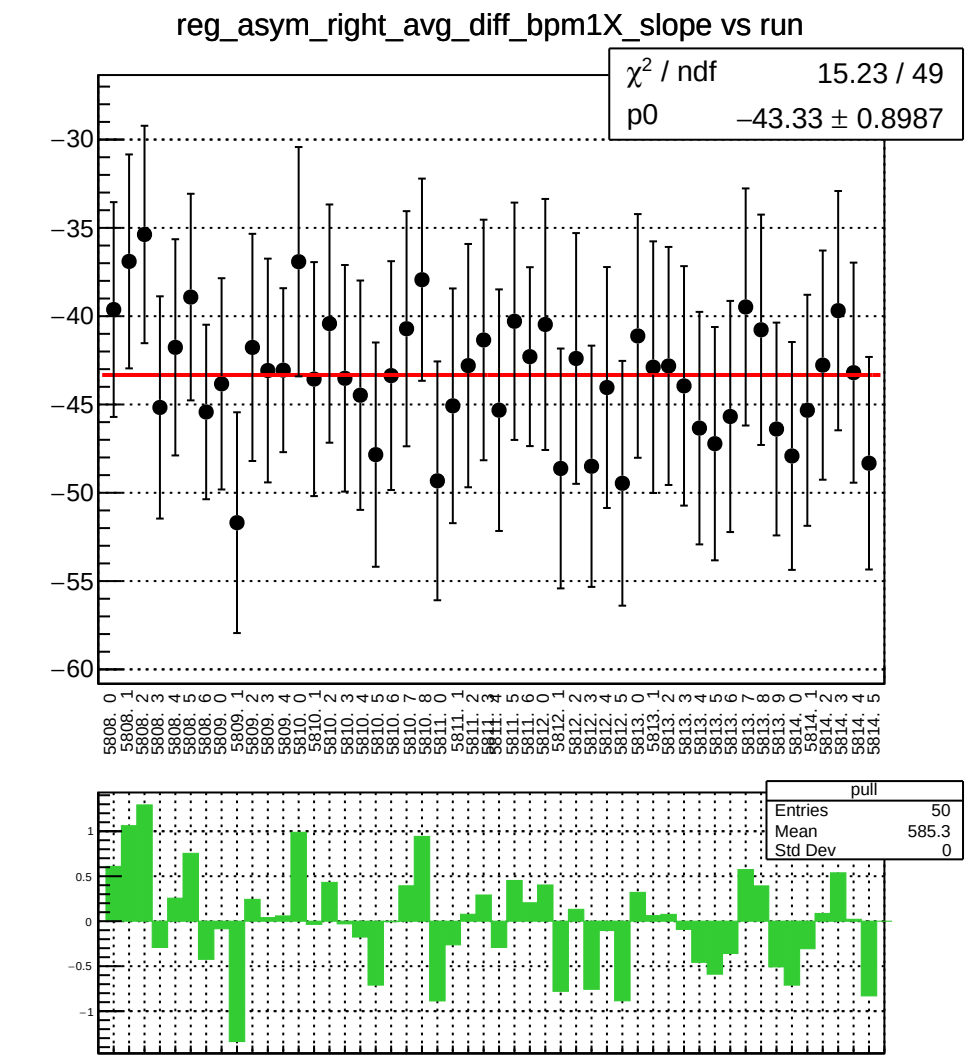

pull1D
Entries 50
Mean 0.008808
Std Dev 0.7244

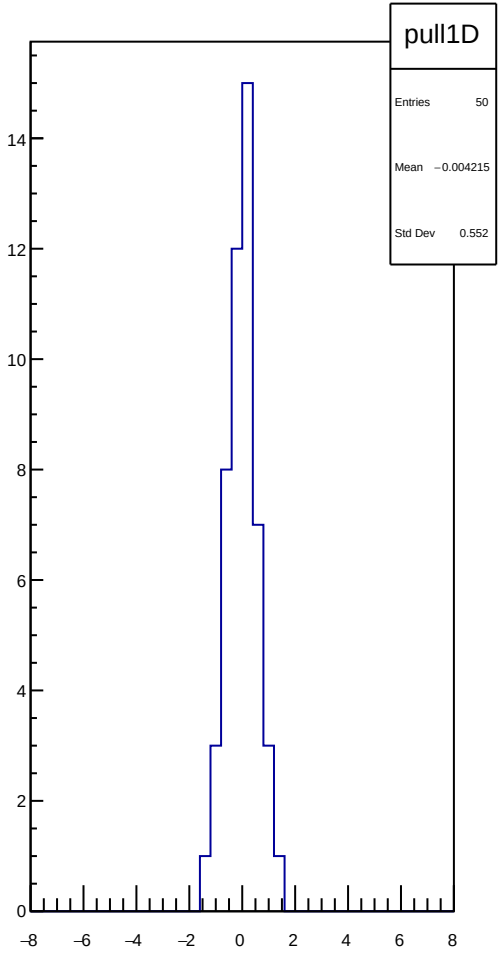

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 48.26 / 49
p0 −7.537 ± 1.133
pull
Entries 50
Mean 140.9
Std Dev 0

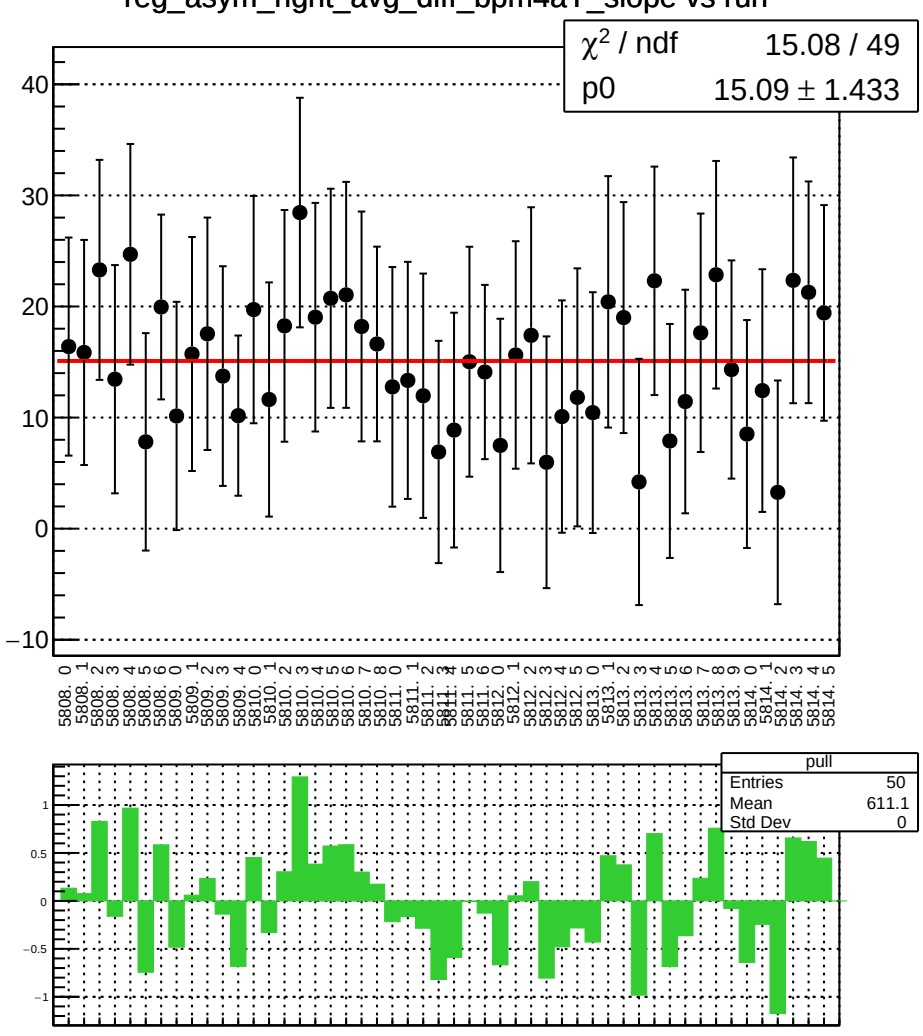

pull1D
Entries 50
Mean −0.008302
Std Dev 0.9824

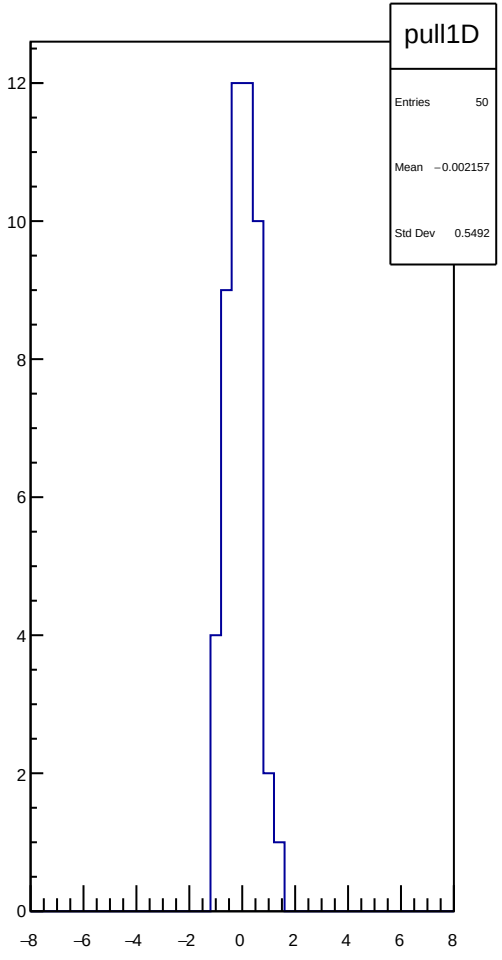

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 35.61 / 49
p0 −24.07 ± 0.07111
pull
Entries 50
Mean 356.2
Std Dev 0

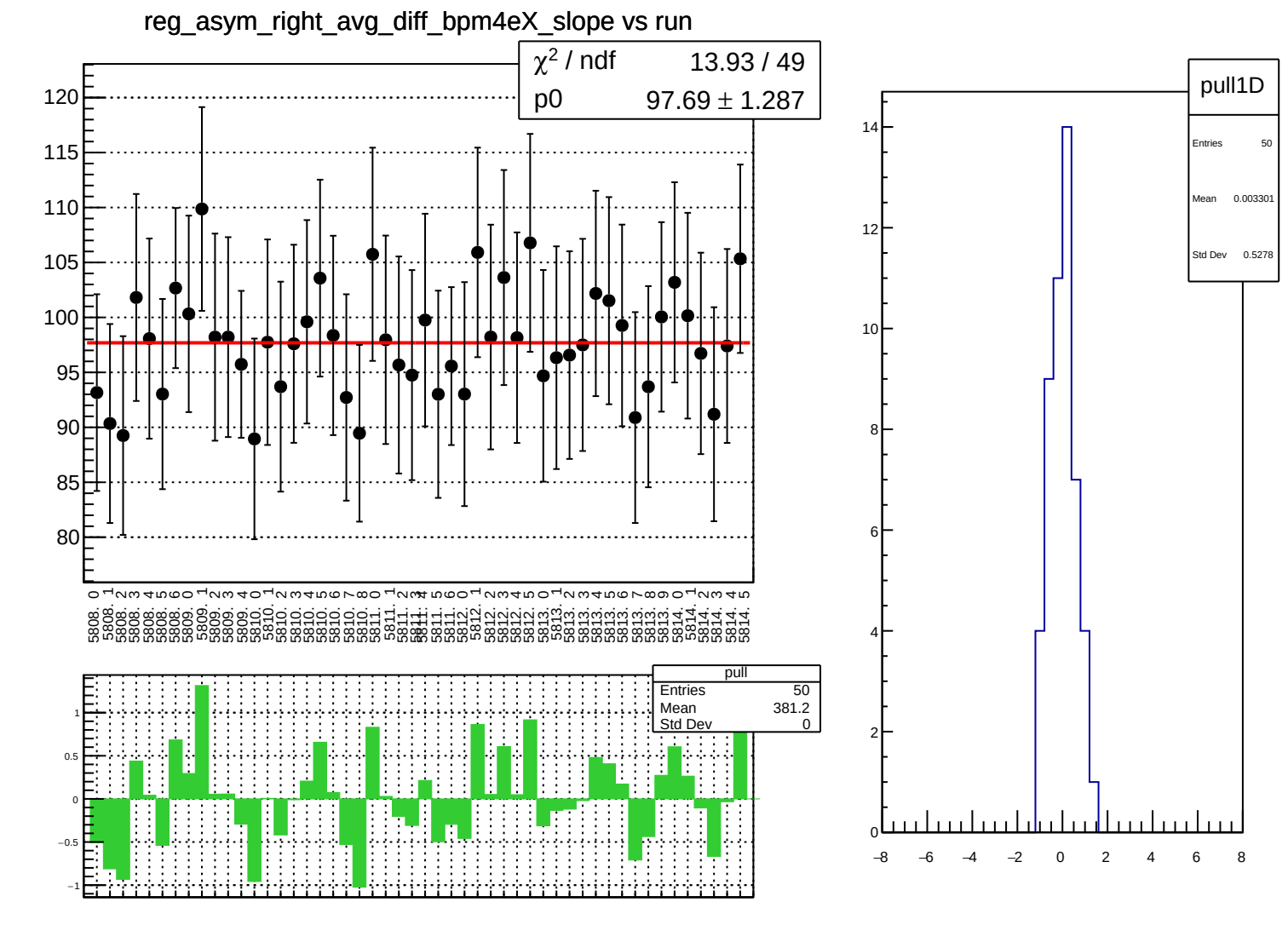

pull1D
Entries 50
Mean −0.008668
Std Dev 0.8438

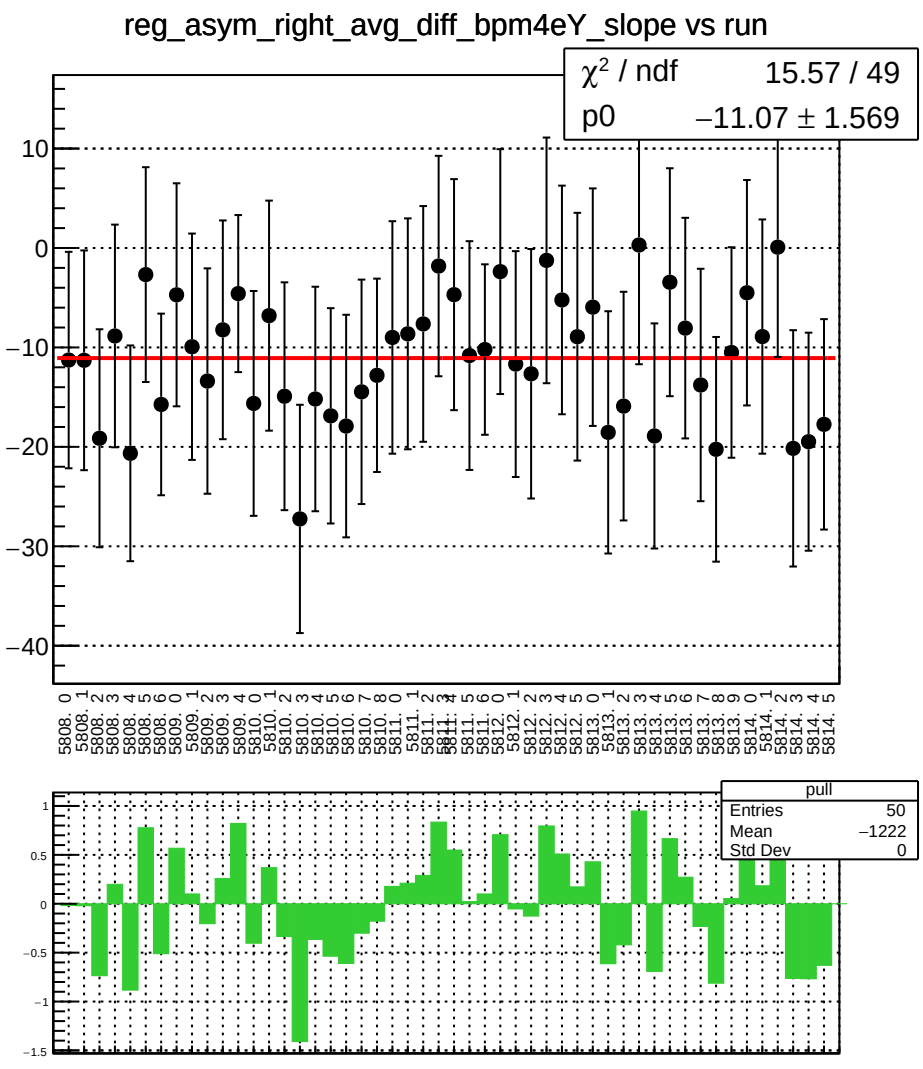

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 15.23 / 49
p0 −43.33 ± 0.8987
pull
Entries 50
Mean 585.3
Std Dev 0

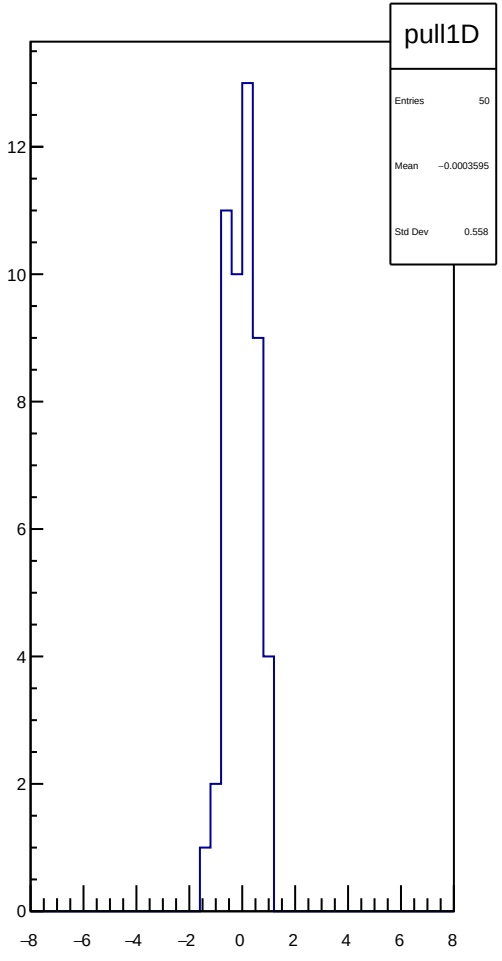

pull1D
Entries 50
Mean −0.004215
Std Dev 0.552

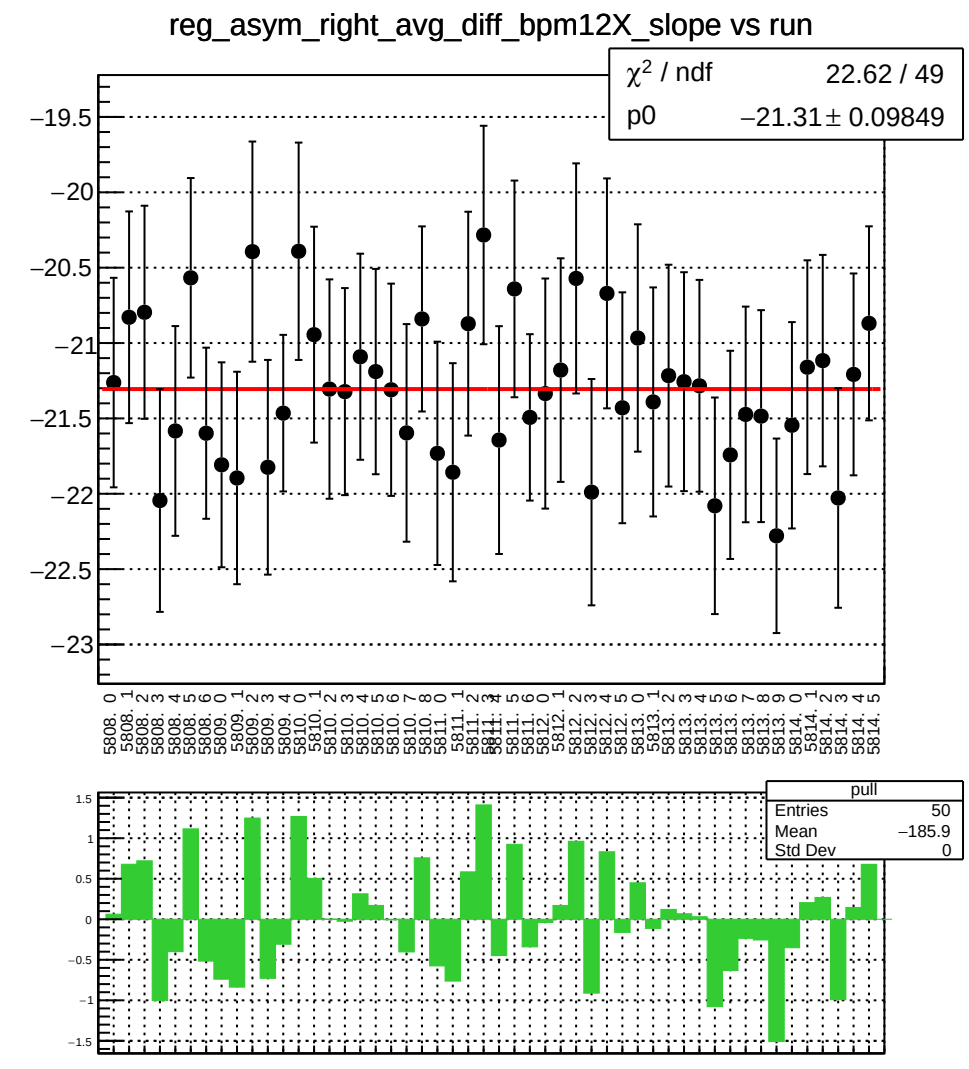

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.08 / 49
p0 15.09 ± 1.433
pull
Entries 50
Mean 611.1
Std Dev 0

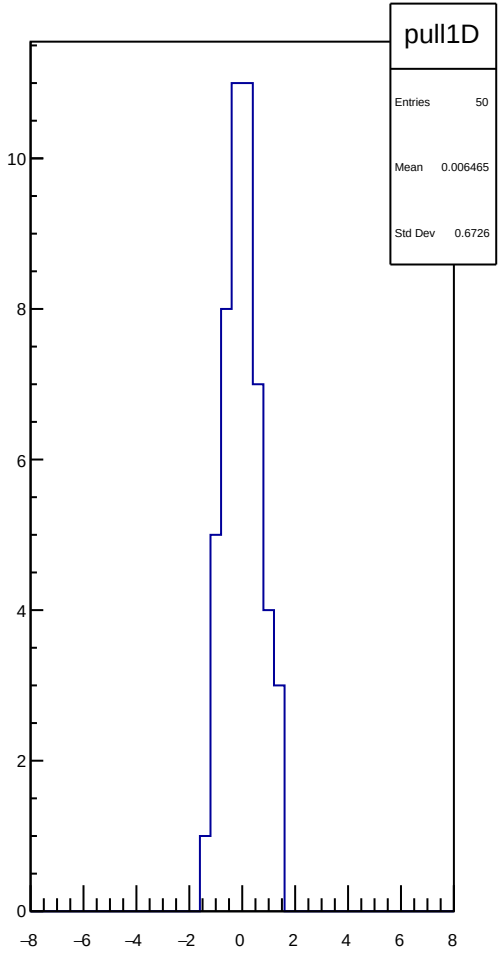

pull1D
Entries 50
Mean −0.002157
Std Dev 0.5492

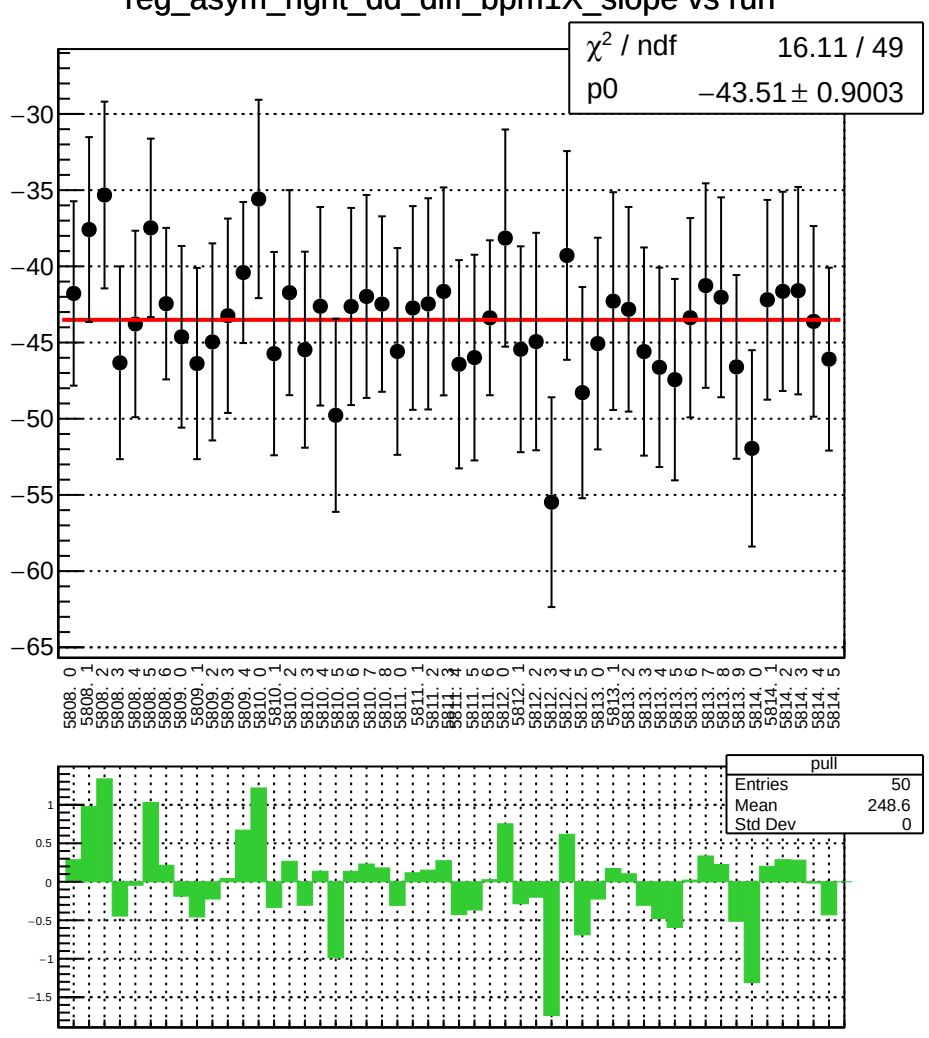

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 13.93 / 49
p0 97.69 ± 1.287
pull
Entries 50
Mean 381.2
Std Dev 0
pull1D
Entries 50
Mean 0.003301
Std Dev 0.5278

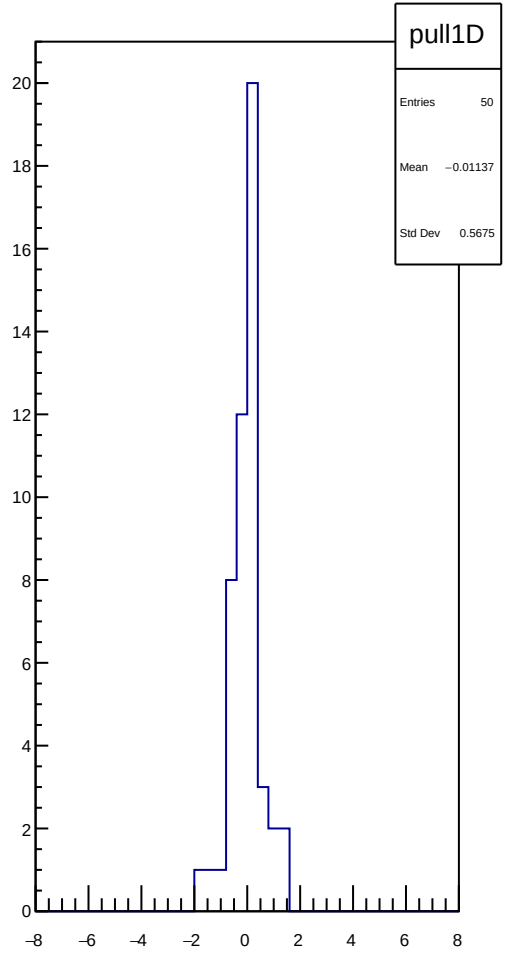

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.57 / 49
p0 −11.07 ± 1.569
pull
Entries 50
Mean −1222
Std Dev 0

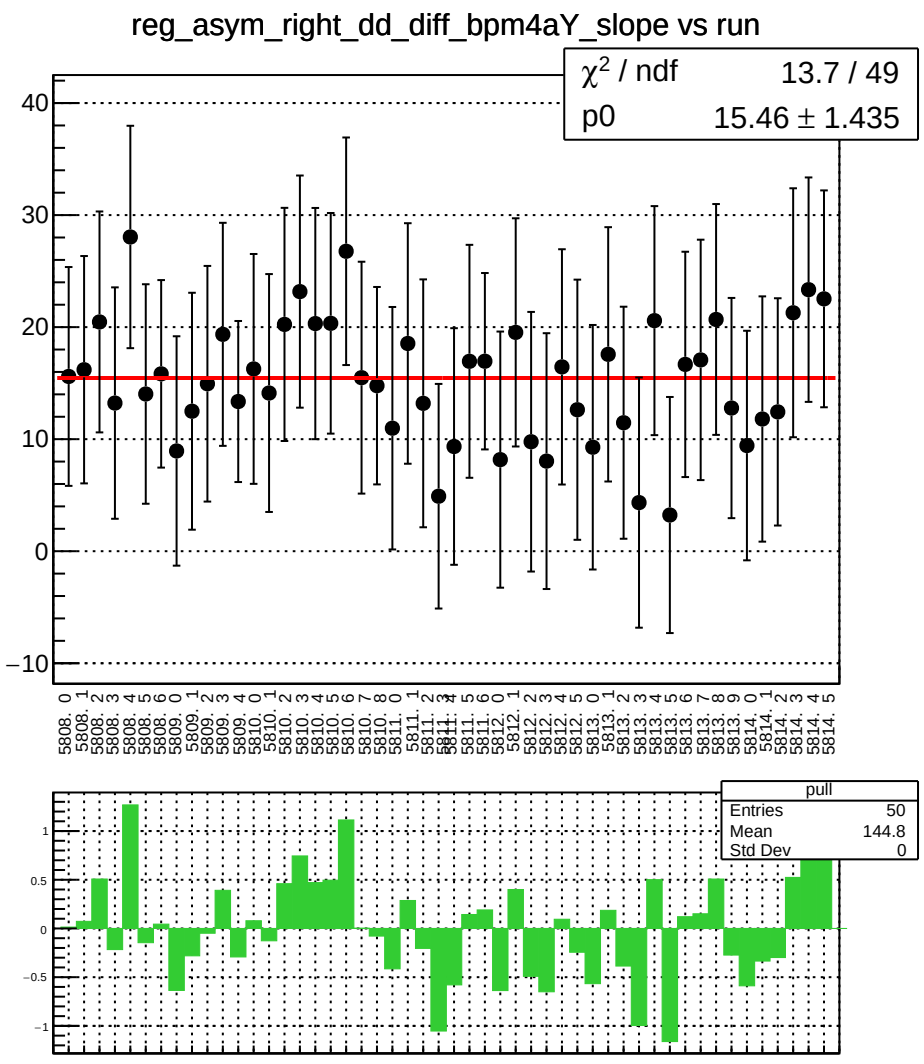

pull1D
Entries 50
Mean −0.0003595
Std Dev 0.558

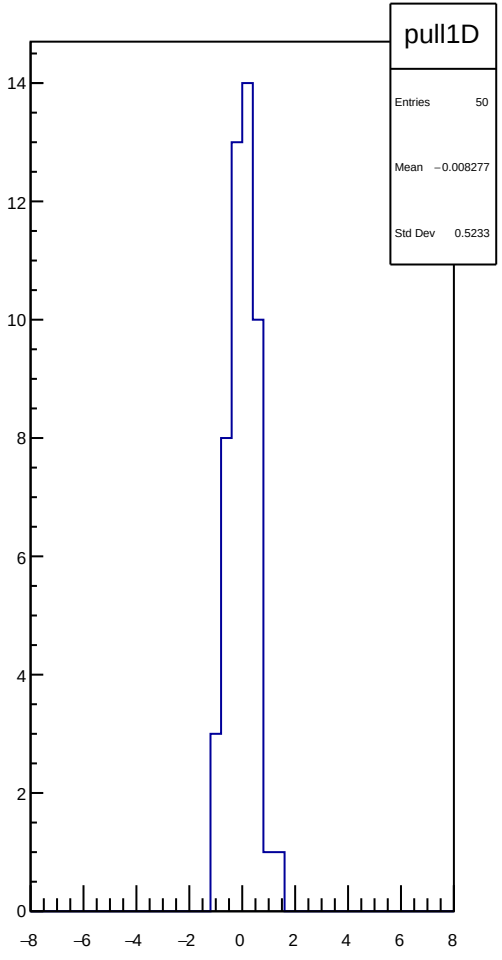

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 22.62 / 49
p0 −21.31 ± 0.09849
−19.5
−20
−20.5
−21
−21.5
−22
−22.5
−23
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −185.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

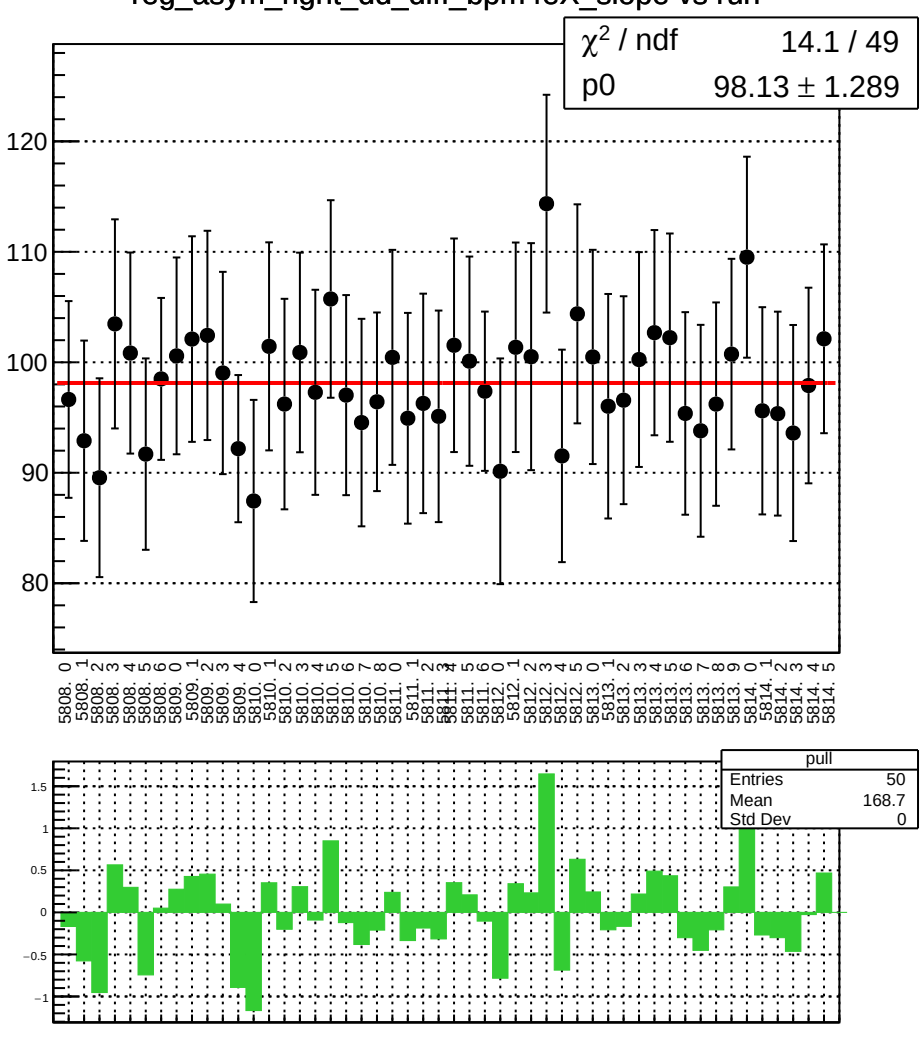

pull1D
Entries 50
Mean 0.006465
Std Dev 0.6726
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

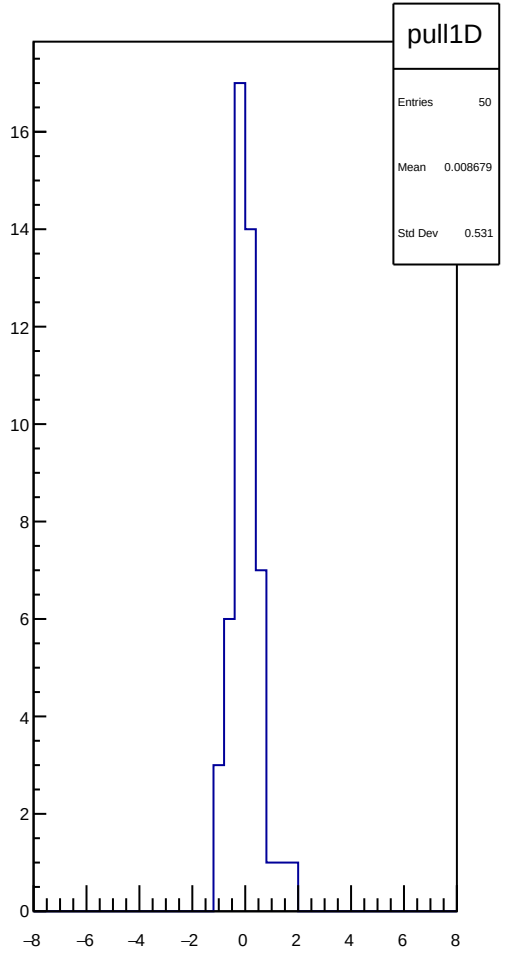

reg_asym_right_dd_diff_bpm1X_slope vs run
χ^2 / ndf 16.11 / 49
p0 −43.51 ± 0.9003
pull
Entries 50
Mean 248.6
Std Dev 0

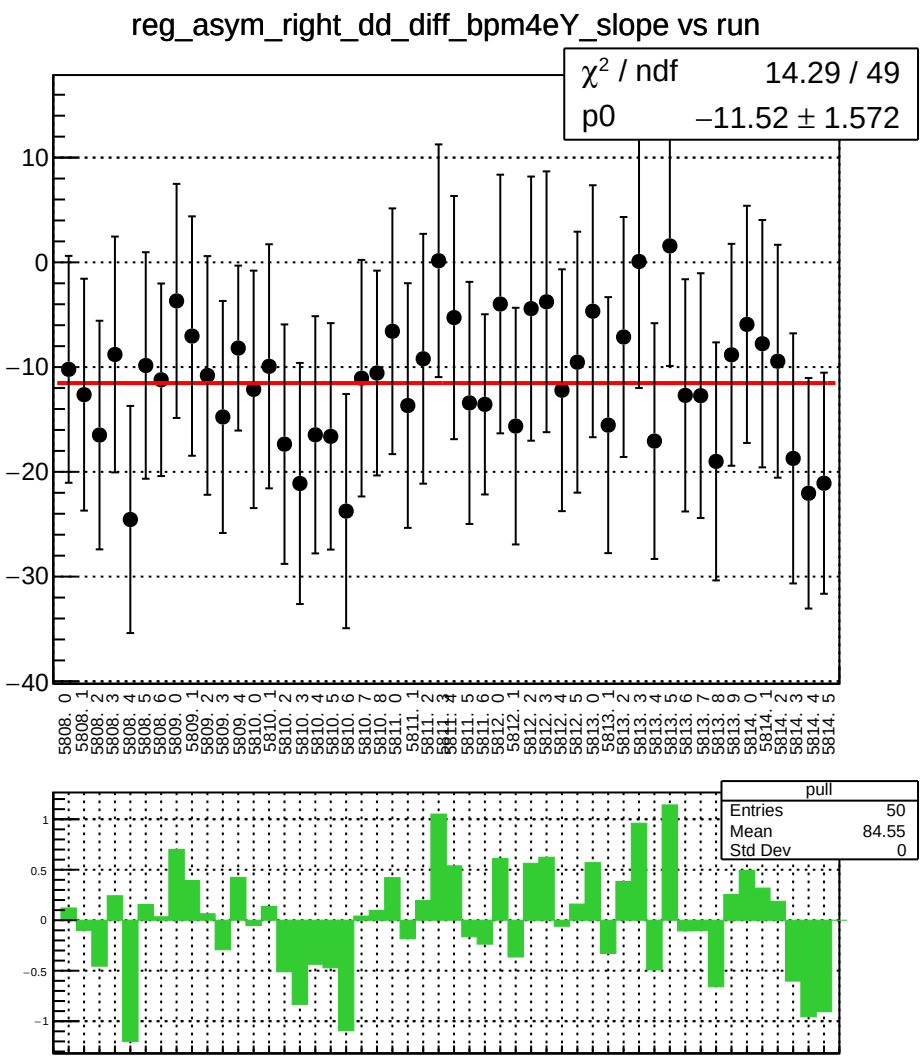

pull1D
Entries 50
Mean −0.01137
Std Dev 0.5675

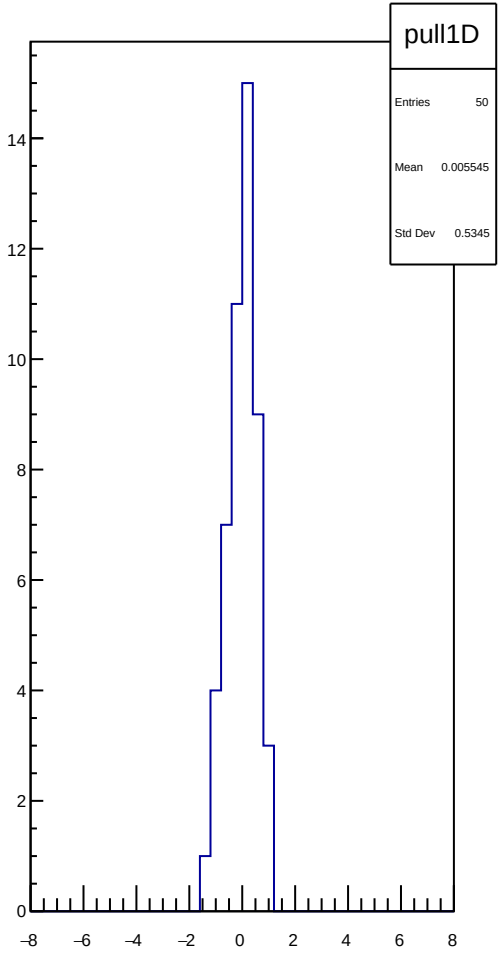

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.7 / 49
p0 15.46 ± 1.435
pull
Entries 50
Mean 144.8
Std Dev 0

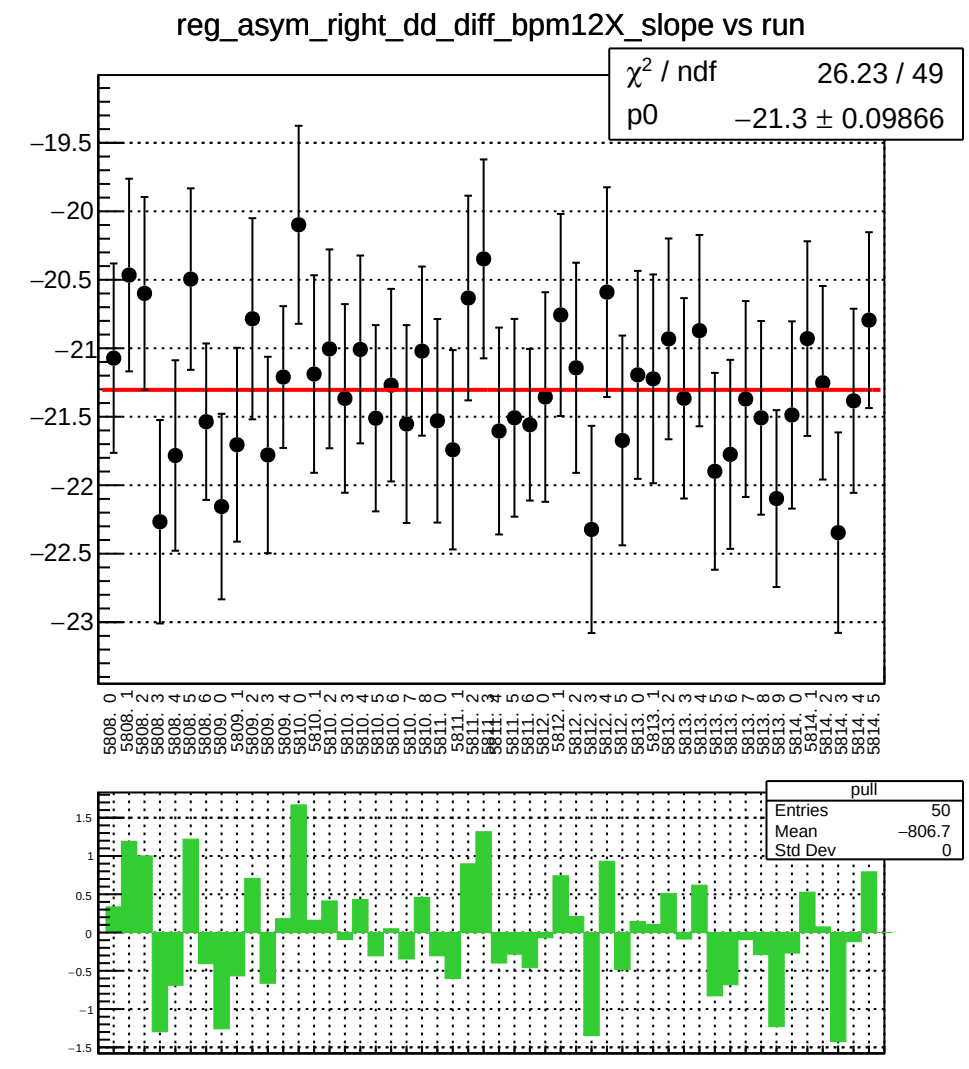

pull1D
Entries 50
Mean −0.008277
Std Dev 0.5233

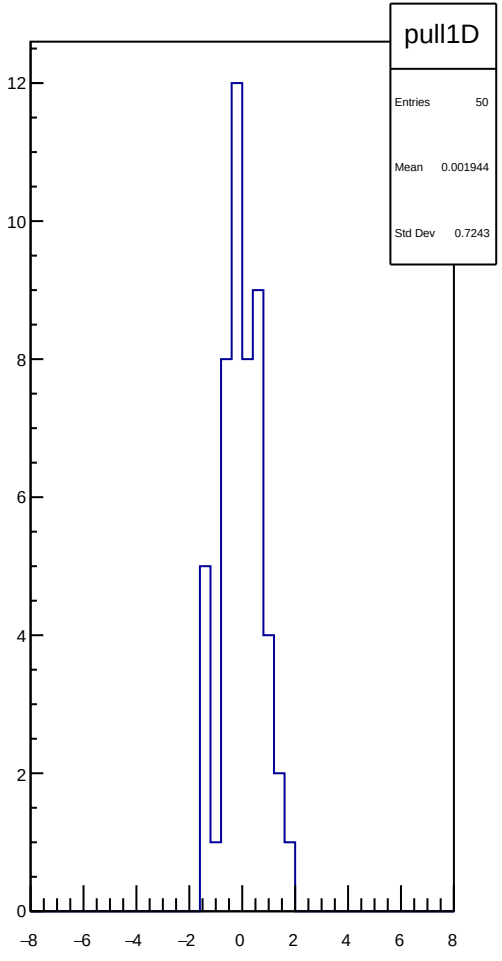

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.1 / 49
p0 98.13 ± 1.289
120
110
100
90
80
pull
Entries 50
Mean 168.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1

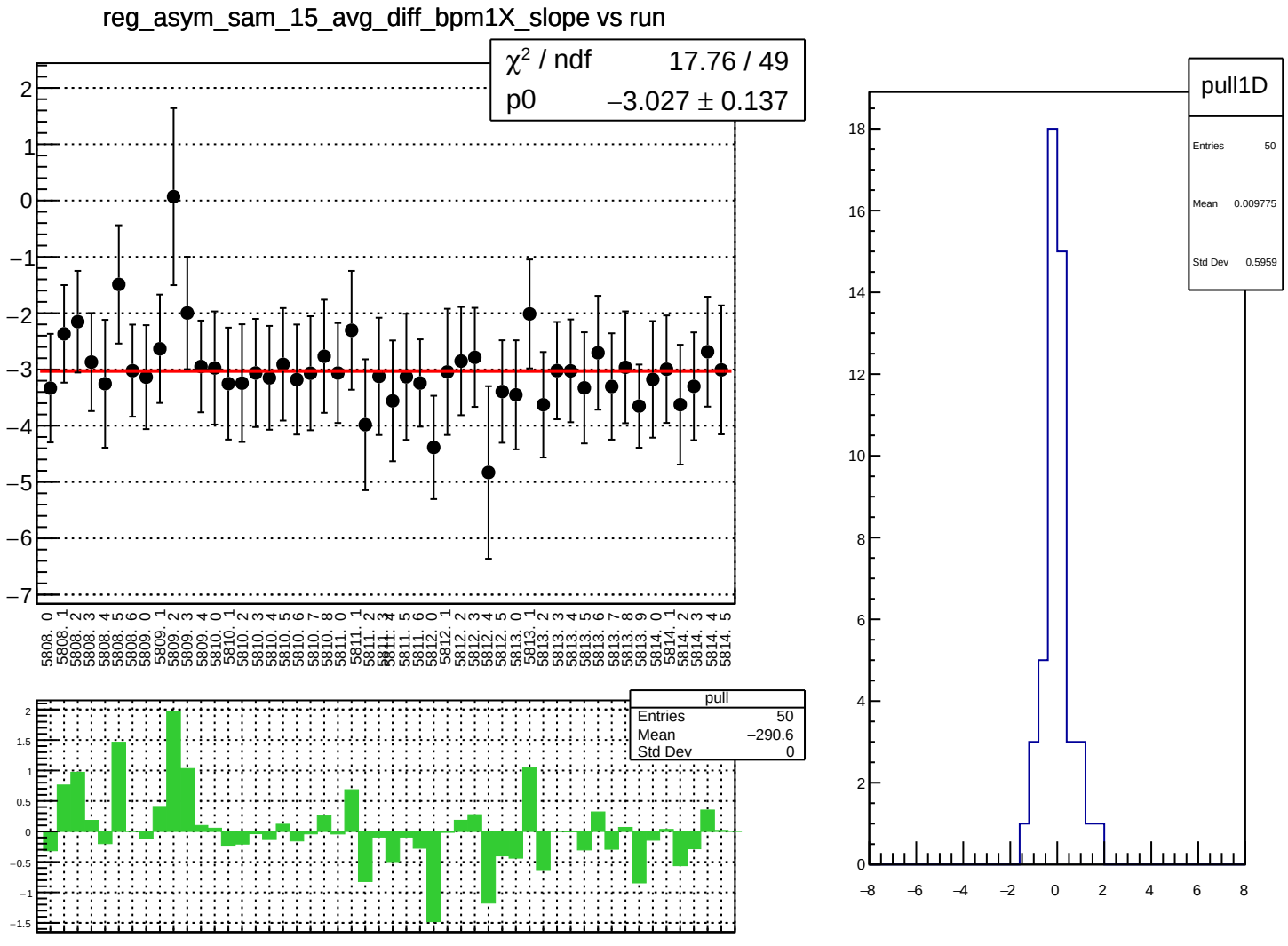

pull1D
Entries 50
Mean 0.008679
Std Dev 0.531
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

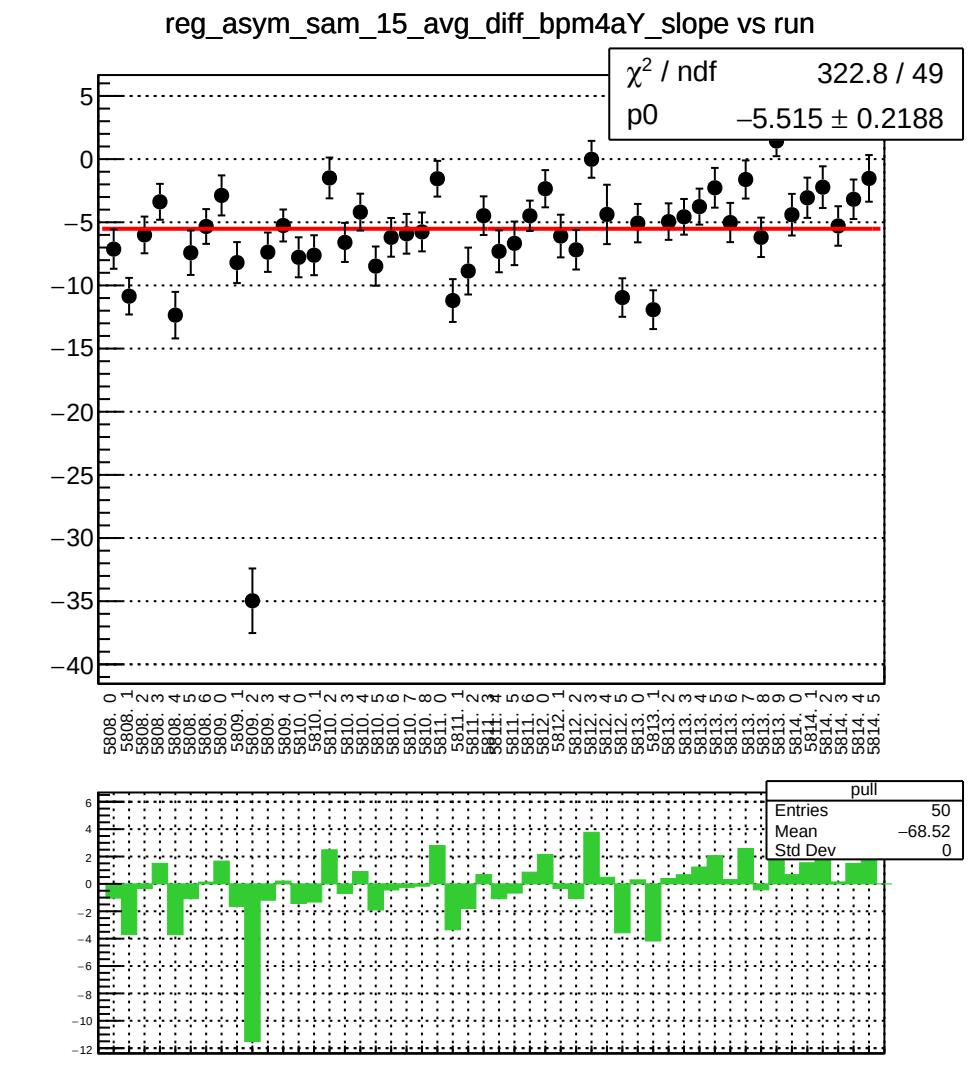

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.29 / 49
p0 −11.52 ± 1.572
pull
Entries 50
Mean 84.55
Std Dev 0

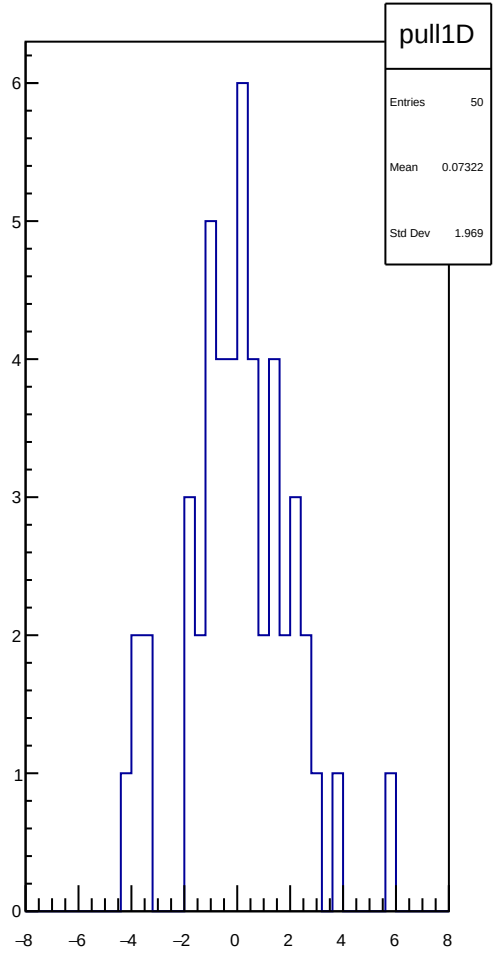

pull1D
Entries 50
Mean 0.005545
Std Dev 0.5345

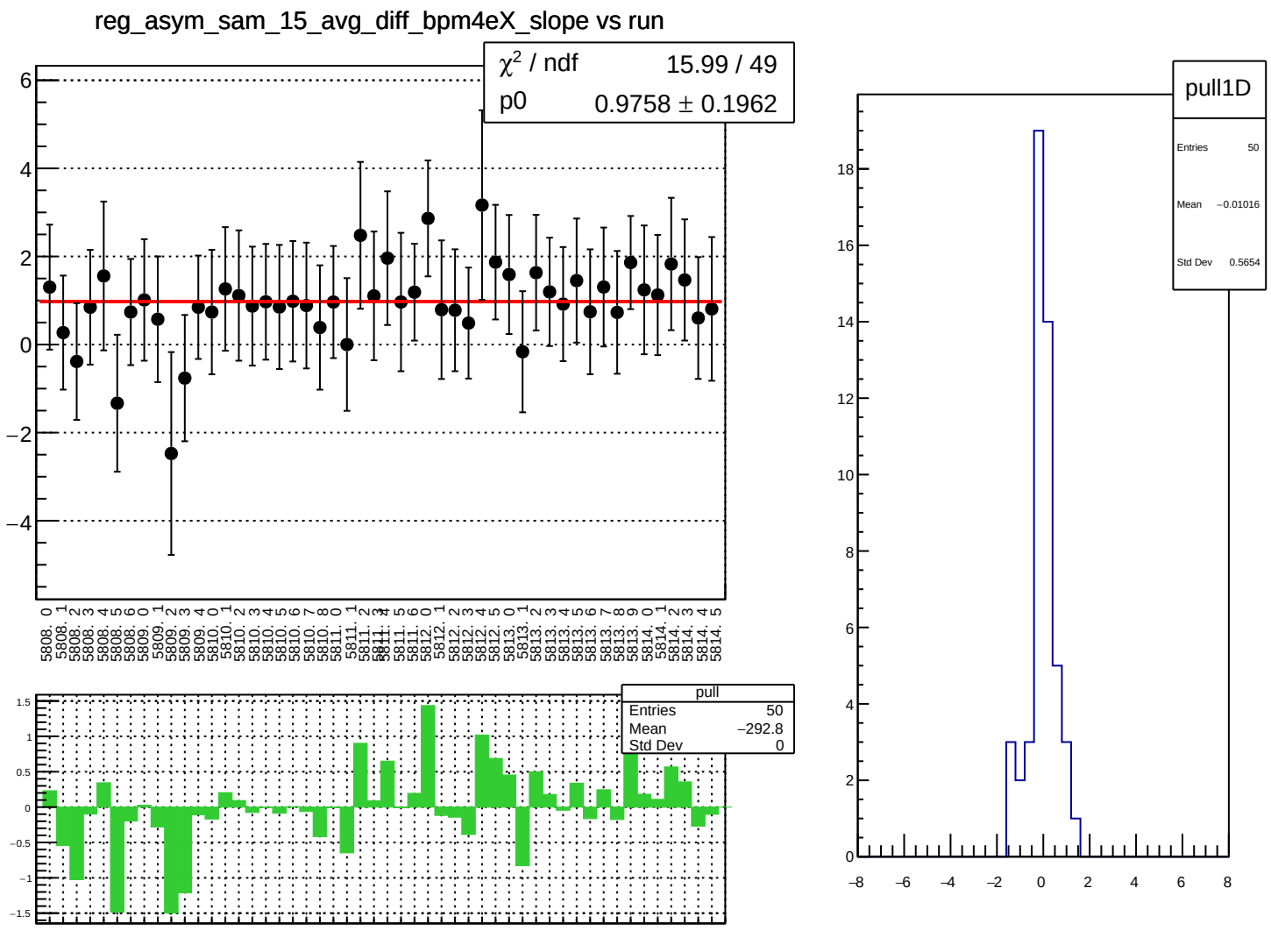

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 26.23 / 49
p0 −21.3 ± 0.09866
pull
Entries 50
Mean −806.7
Std Dev 0

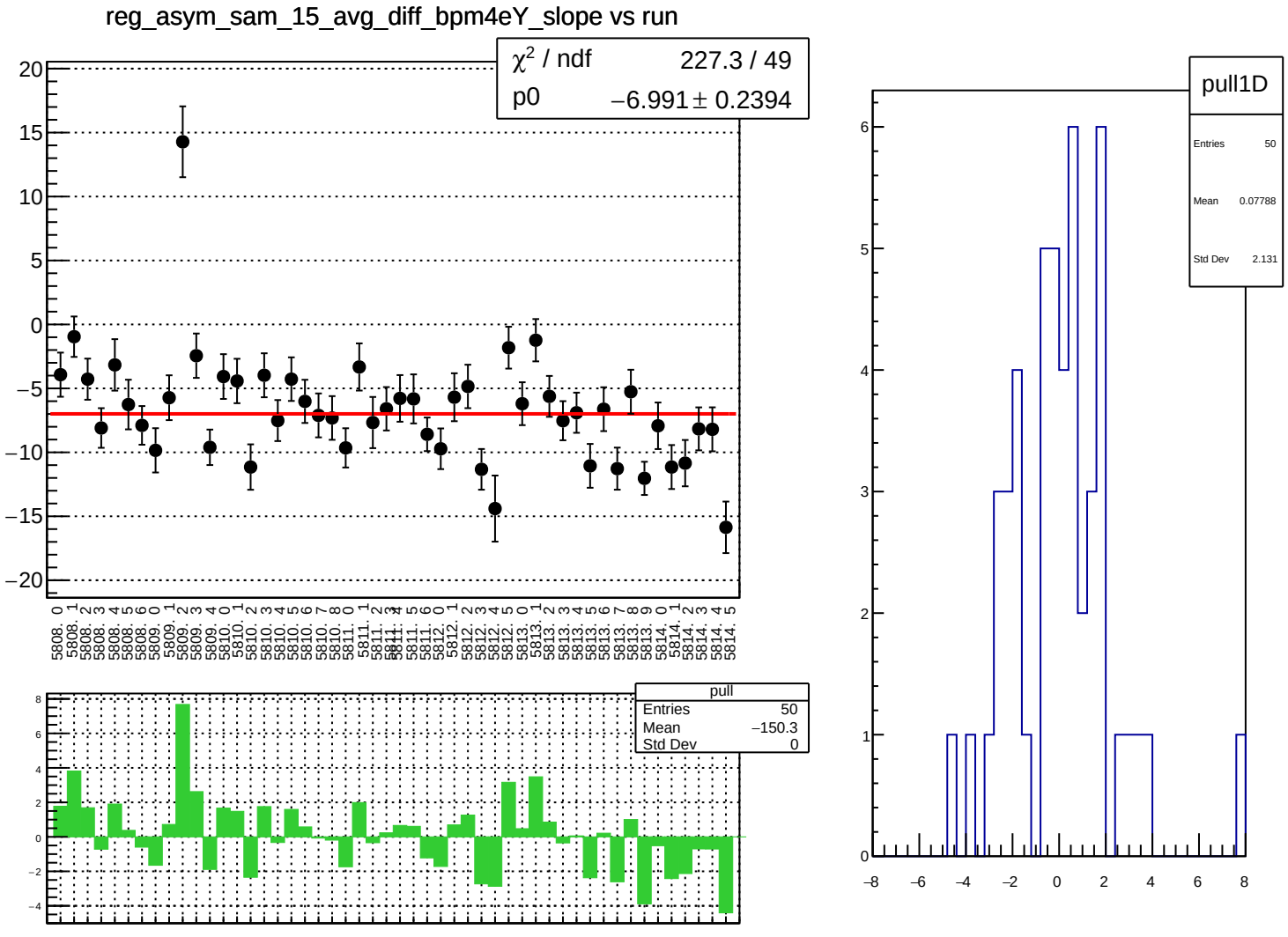

pull1D
Entries 50
Mean 0.001944
Std Dev 0.7243

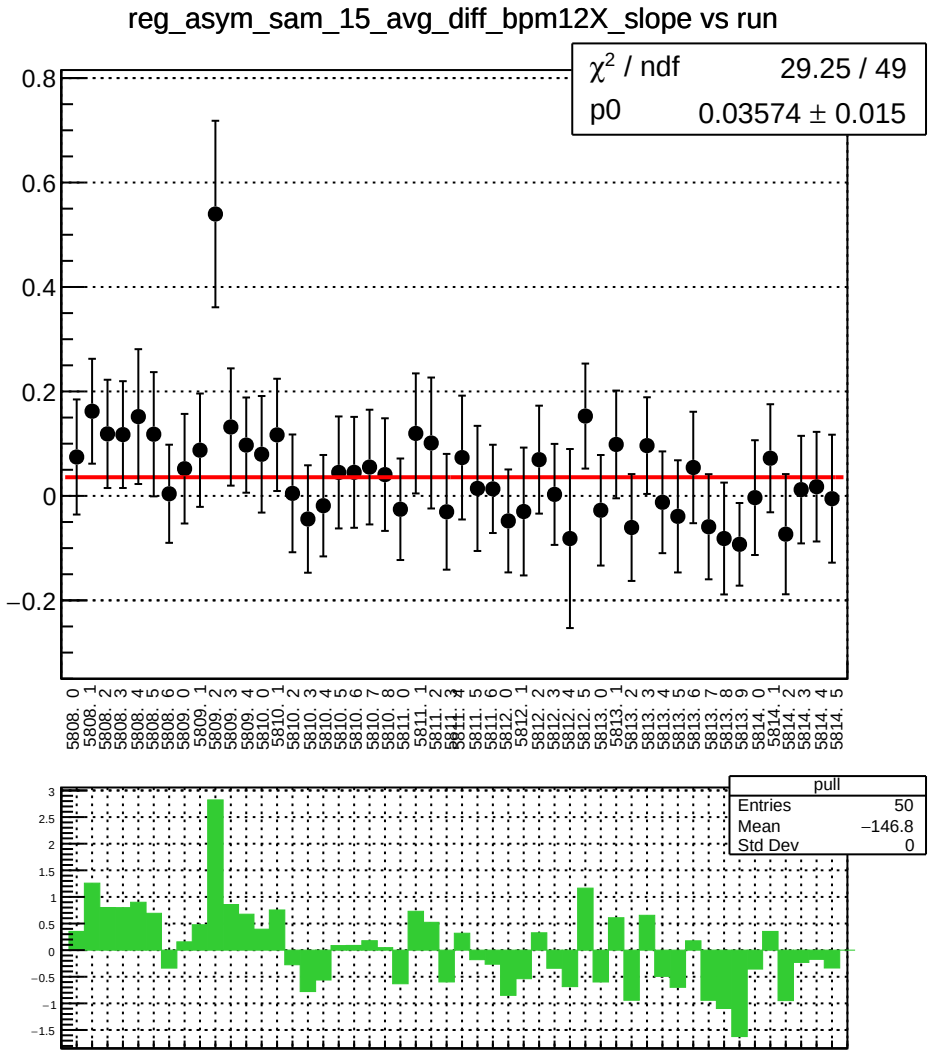

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 17.76 / 49
p0 −3.027 ± 0.137
pull
Entries 50
Mean −290.6
Std Dev 0
pull1D
Entries 50
Mean 0.009775
Std Dev 0.5959

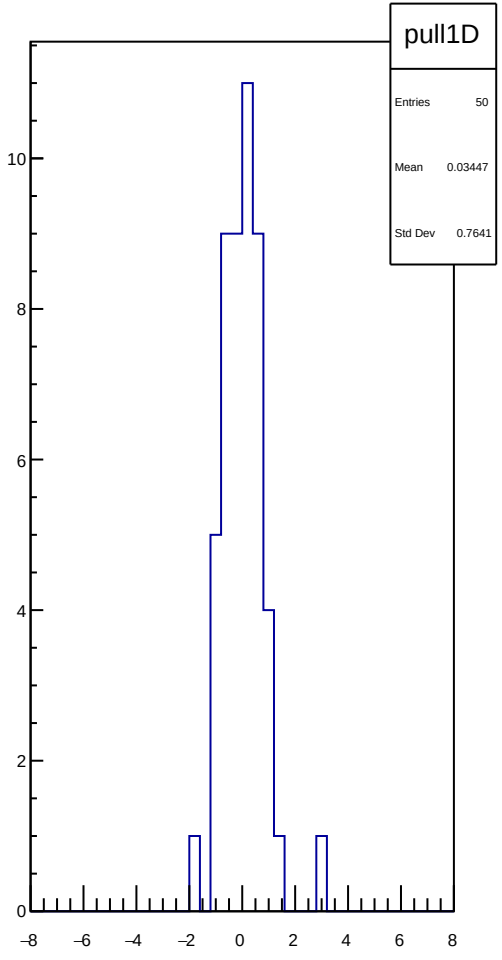

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 322.8 / 49
p0 −5.515 ± 0.2188
pull
Entries 50
Mean −68.52
Std Dev 0

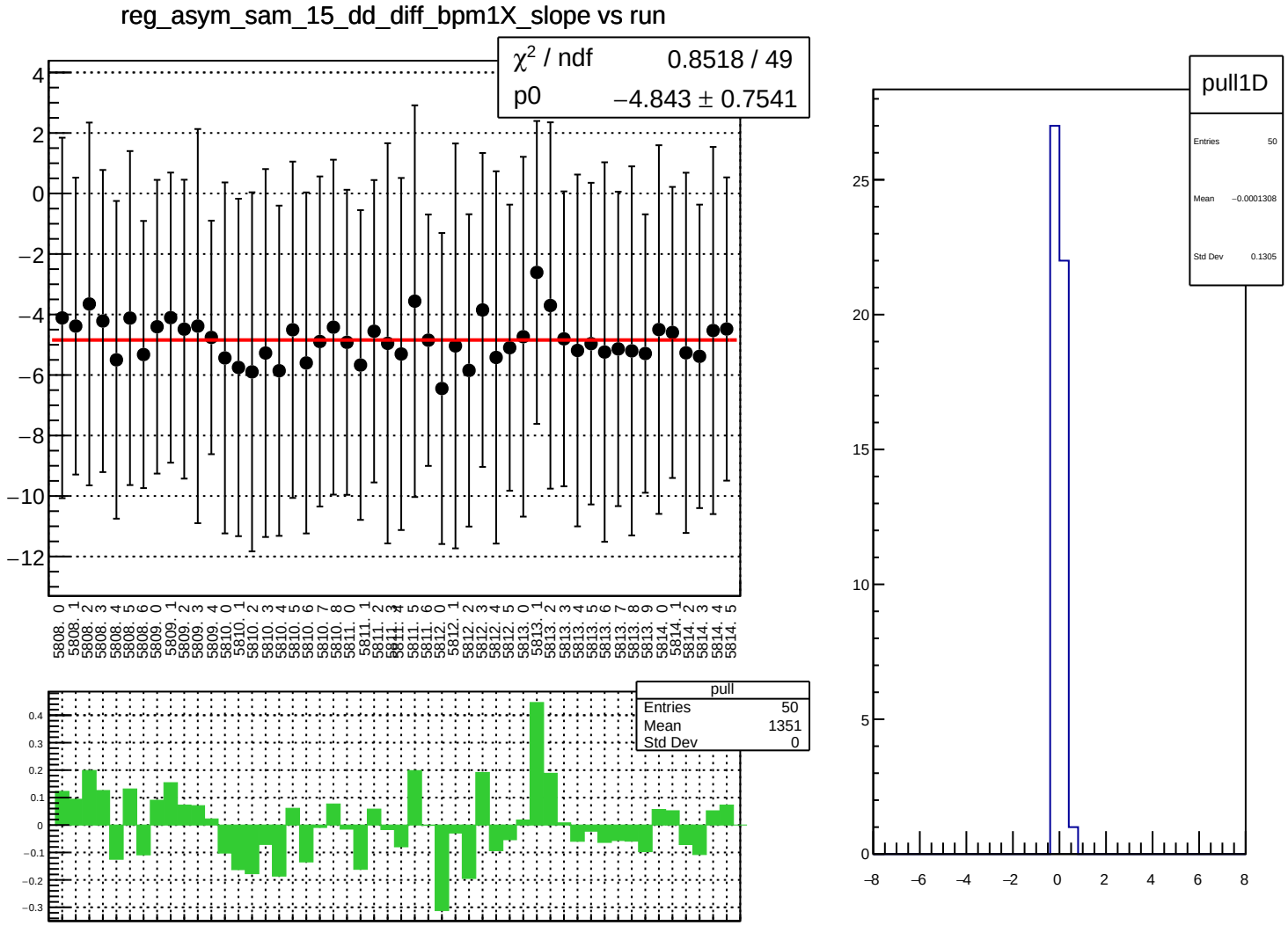

pull1D
Entries 50
Mean 0.07322
Std Dev 1.969

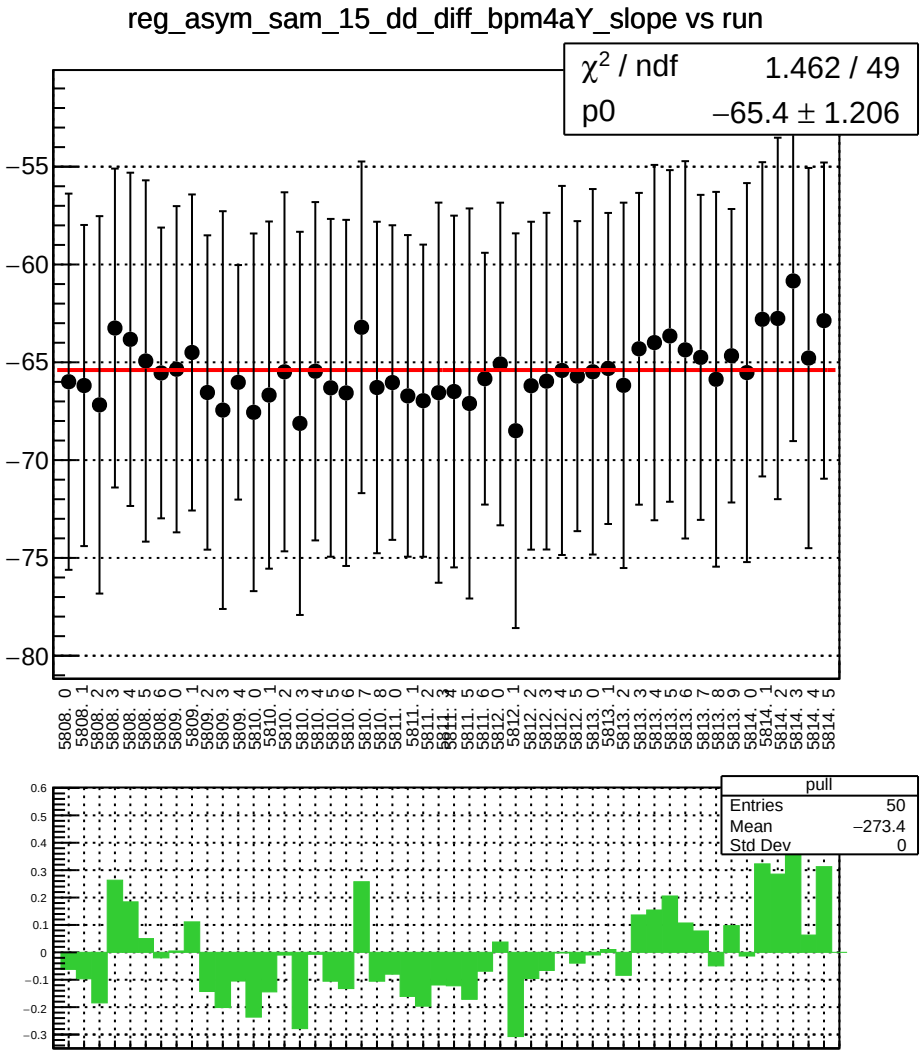

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.99 / 49
p0 0.9758 ± 0.1962
pull
Entries 50
Mean −292.8
Std Dev 0
pull1D
Entries 50
Mean −0.01016
Std Dev 0.5654

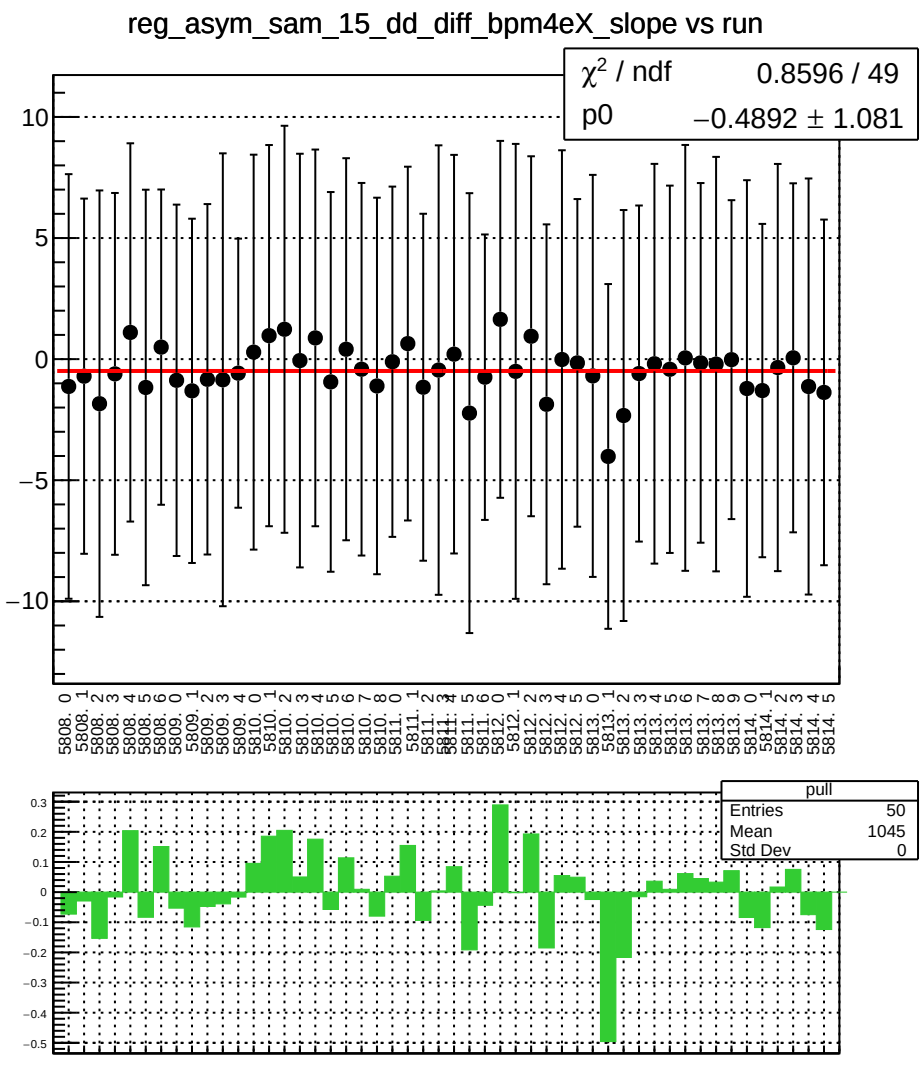

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 227.3 / 49
p0 −6.991 ± 0.2394
pull
Entries 50
Mean −150.3
Std Dev 0
pull1D
Entries 50
Mean 0.07788
Std Dev 2.131

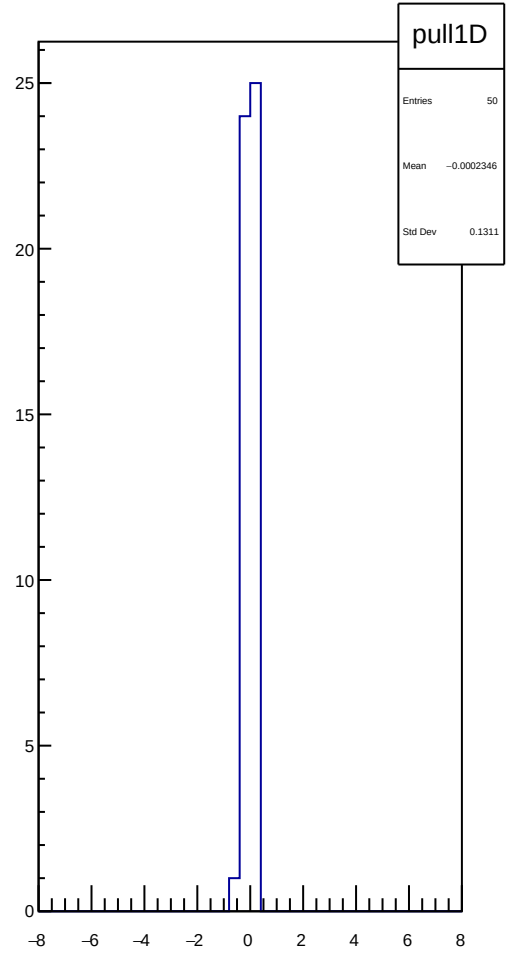

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 29.25 / 49
p0 0.03574 ± 0.015
pull
Entries 50
Mean −146.8
Std Dev 0

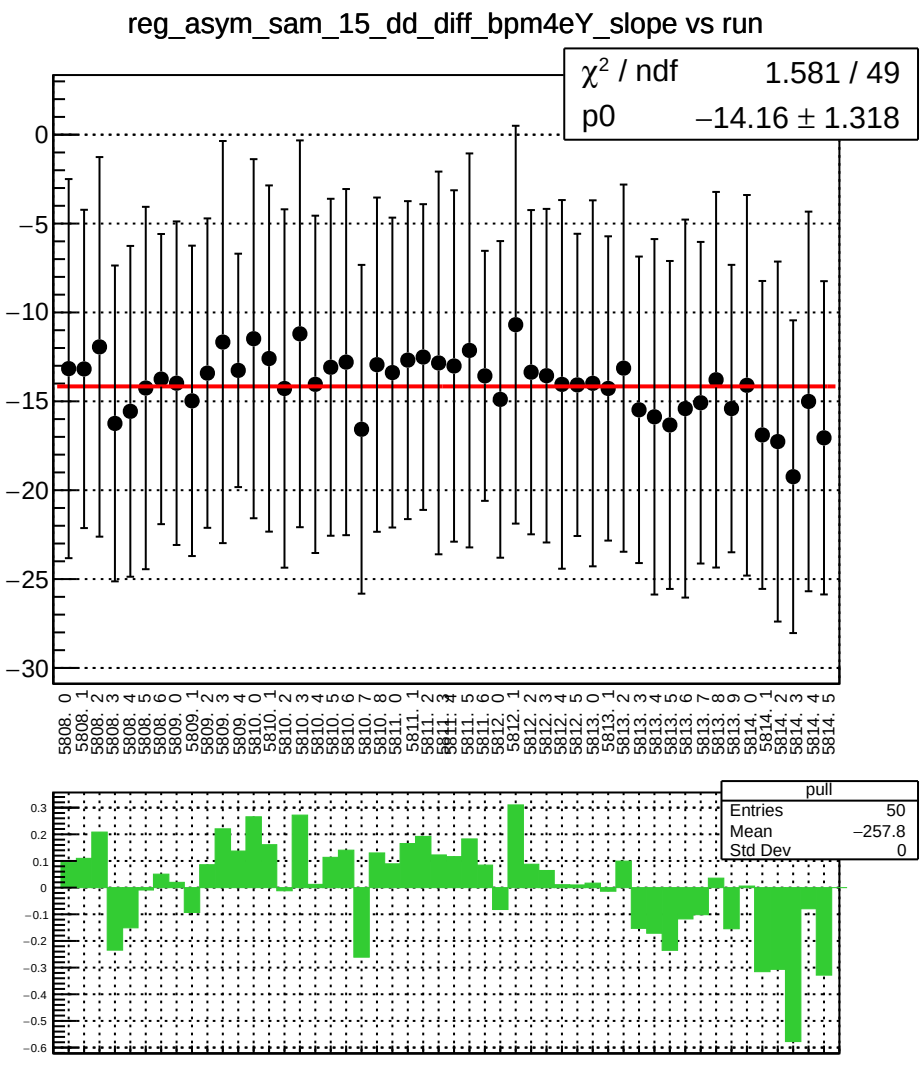

pull1D
Entries 50
Mean 0.03447
Std Dev 0.7641

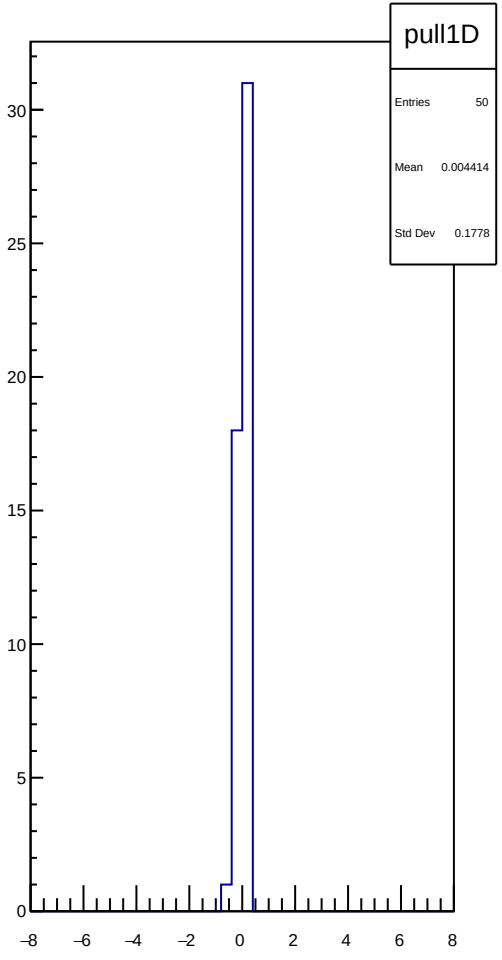

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 0.8518 / 49
p0 −4.843 ± 0.7541
pull
Entries 50
Mean 1351
Std Dev 0
pull1D
Entries 50
Mean −0.0001308
Std Dev 0.1305

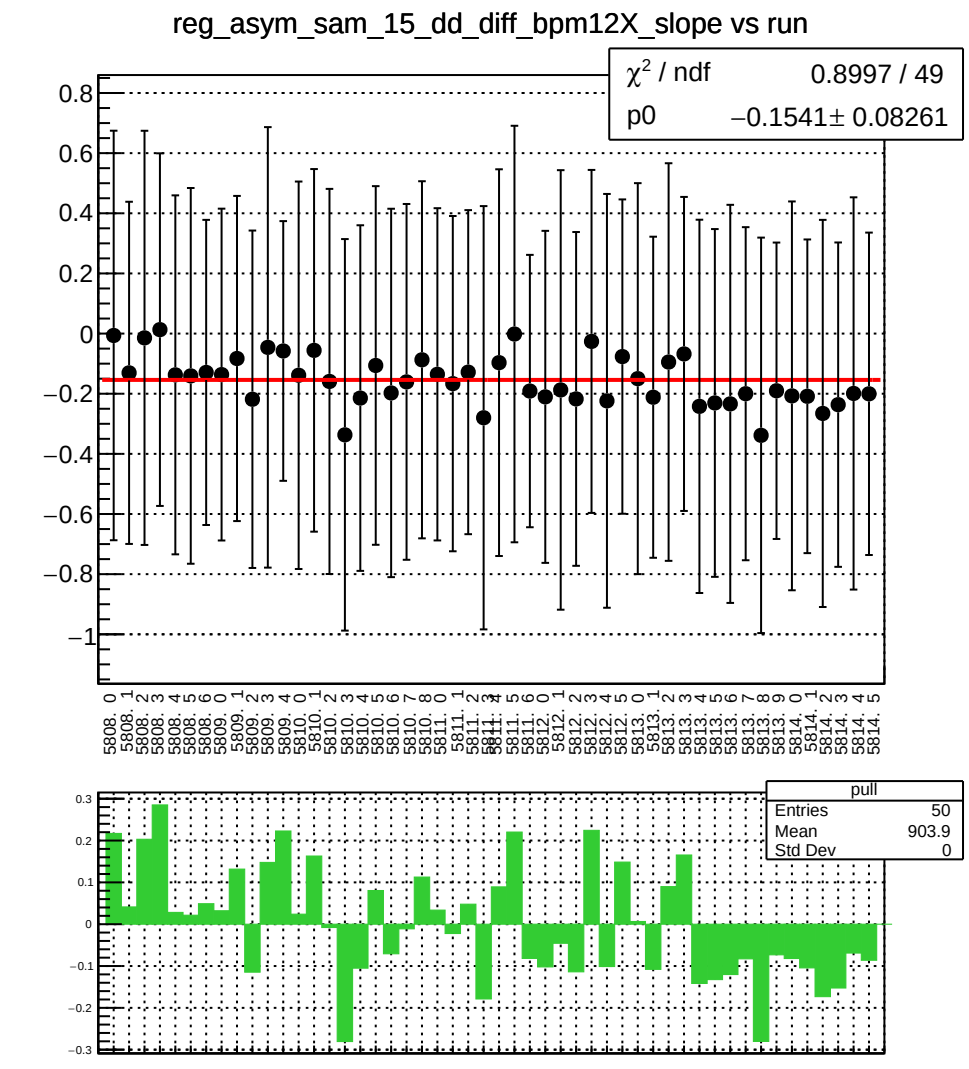

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.462 / 49
p0 −65.4 ± 1.206
pull
Entries 50
Mean −273.4
Std Dev 0
pull1D
Entries 50
Mean −0.00352
Std Dev 0.1709

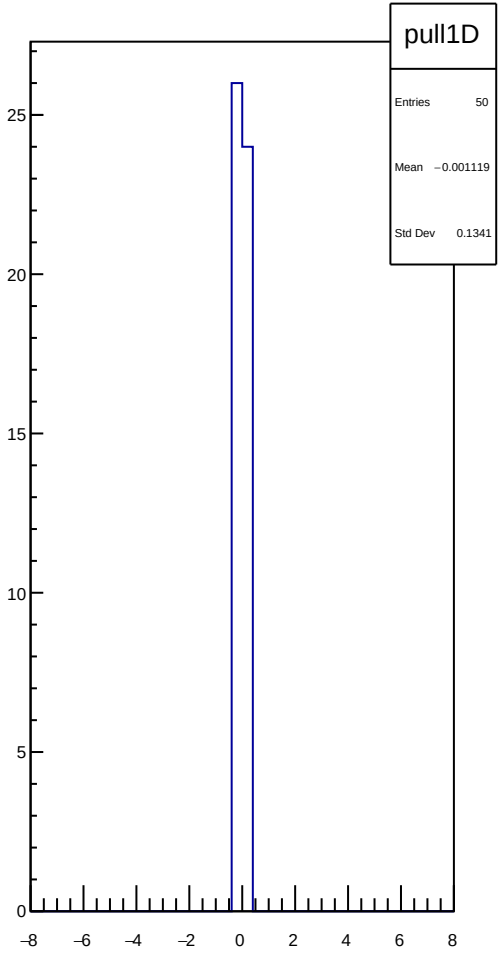

reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.8596 / 49
p0 −0.4892 ± 1.081
pull
Entries 50
Mean 1045
Std Dev 0

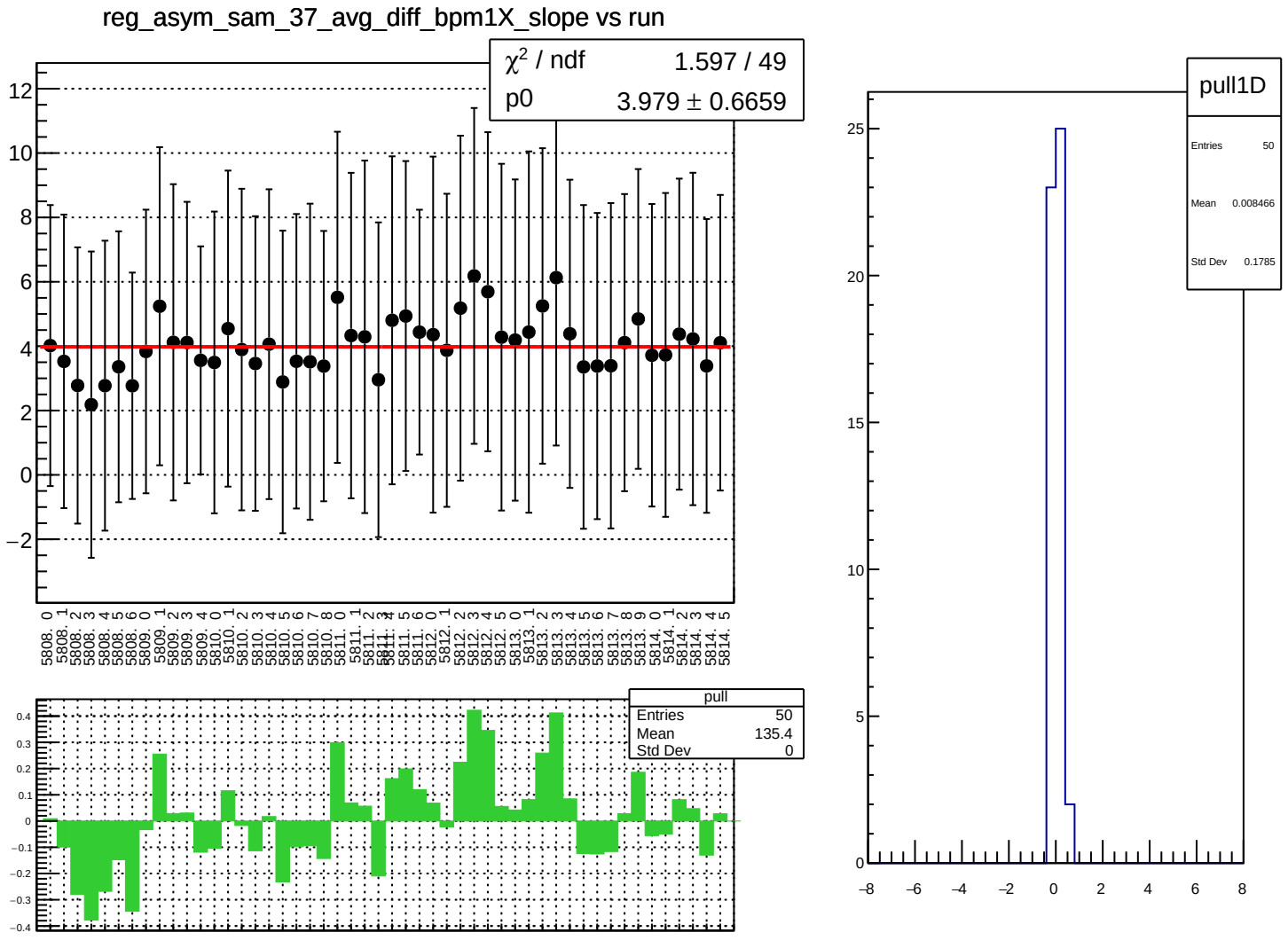

pull1D
Entries 50
Mean −0.0002346
Std Dev 0.1311

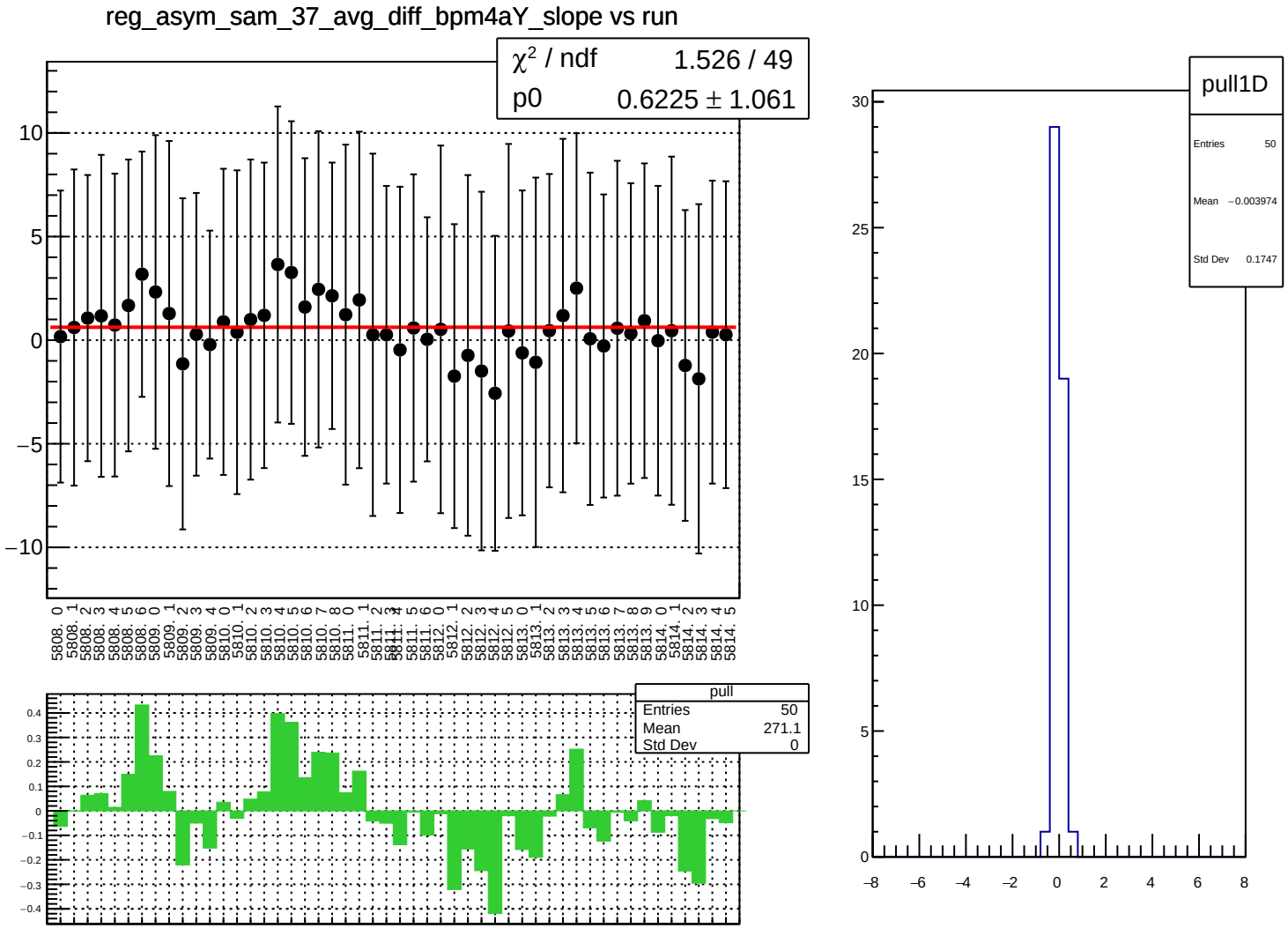

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 1.581 / 49
p0 −14.16 ± 1.318
pull
Entries 50
Mean −257.8
Std Dev 0

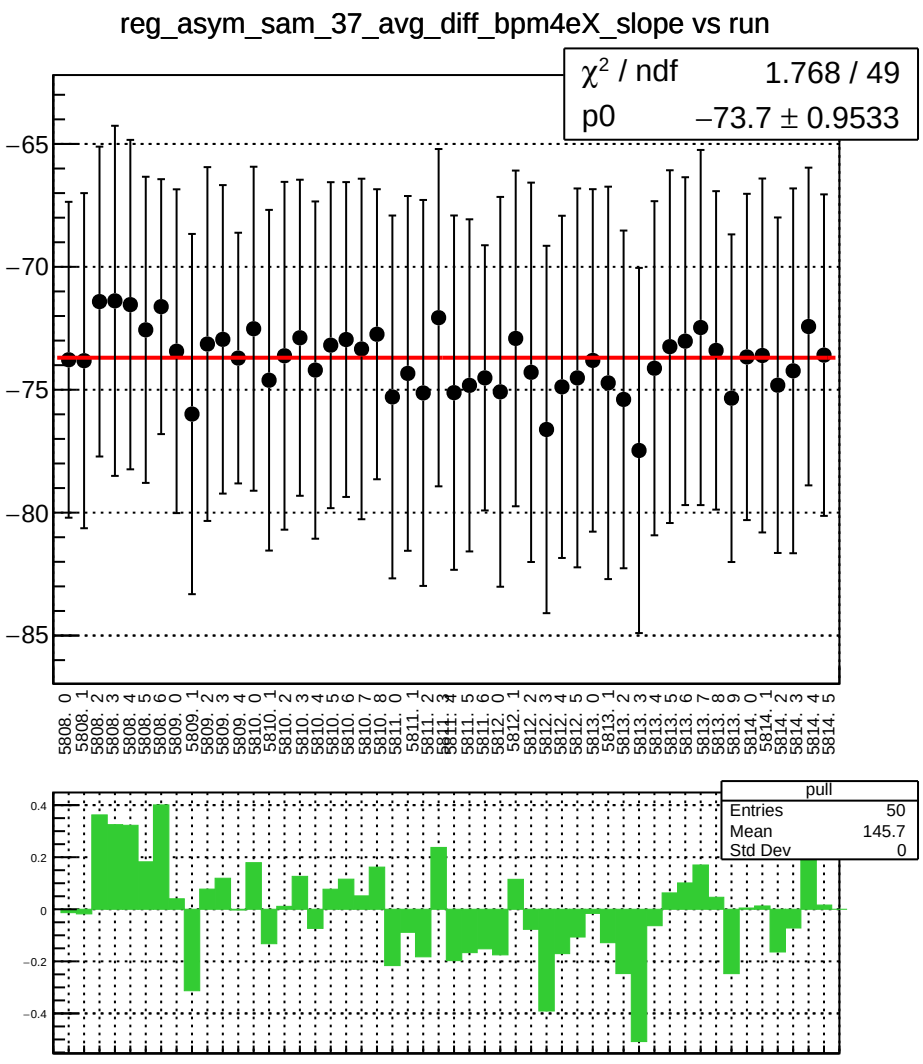

pull1D
Entries 50
Mean 0.004414
Std Dev 0.1778

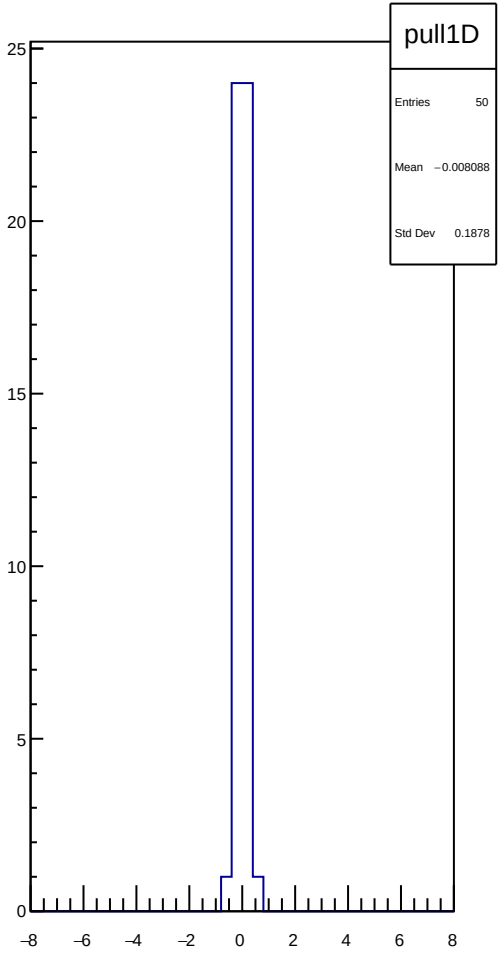

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.8997 / 49
p0 −0.1541± 0.08261
pull
Entries 50
Mean 903.9
Std Dev 0

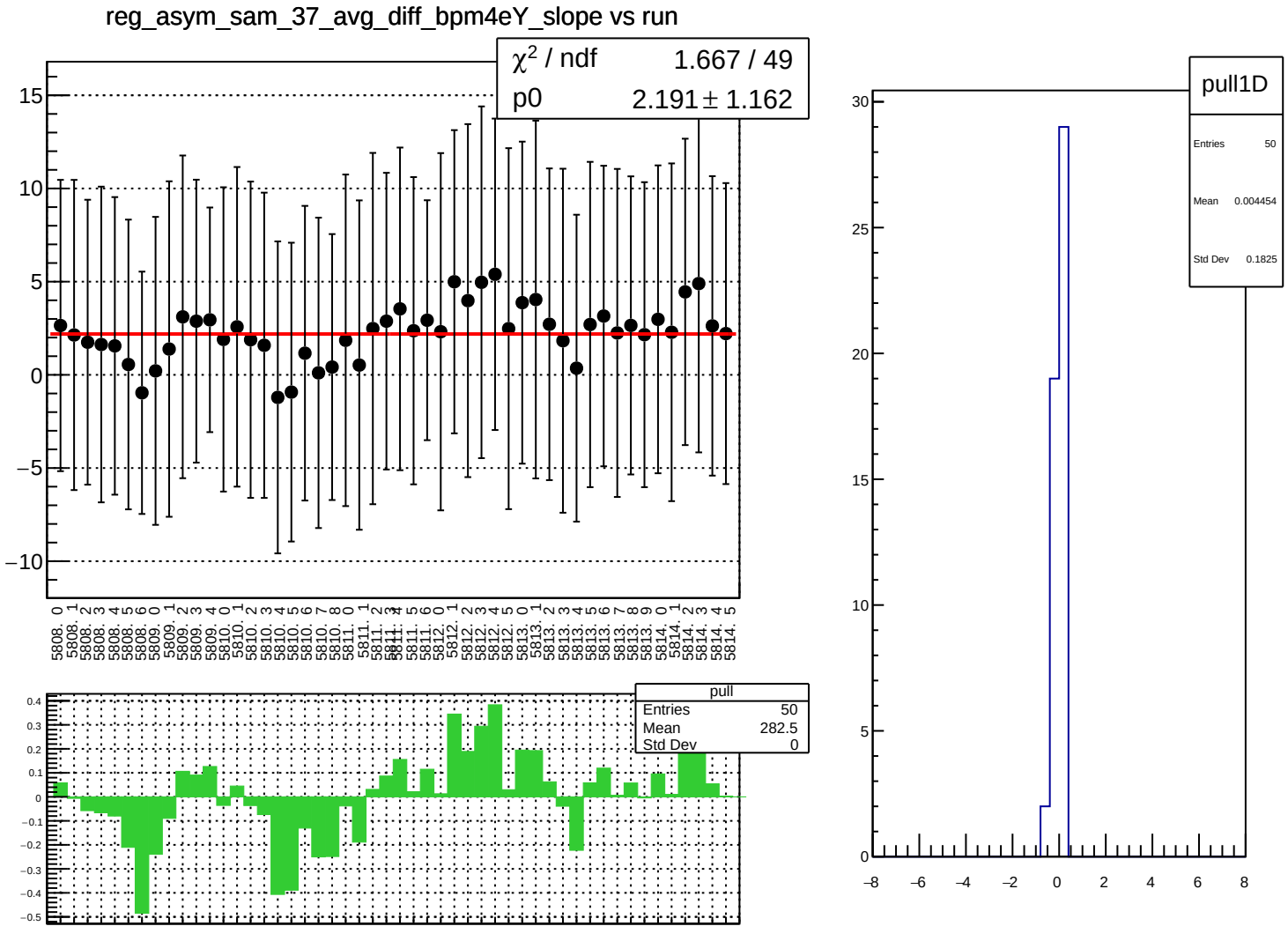

pull1D
Entries 50
Mean −0.001119
Std Dev 0.1341

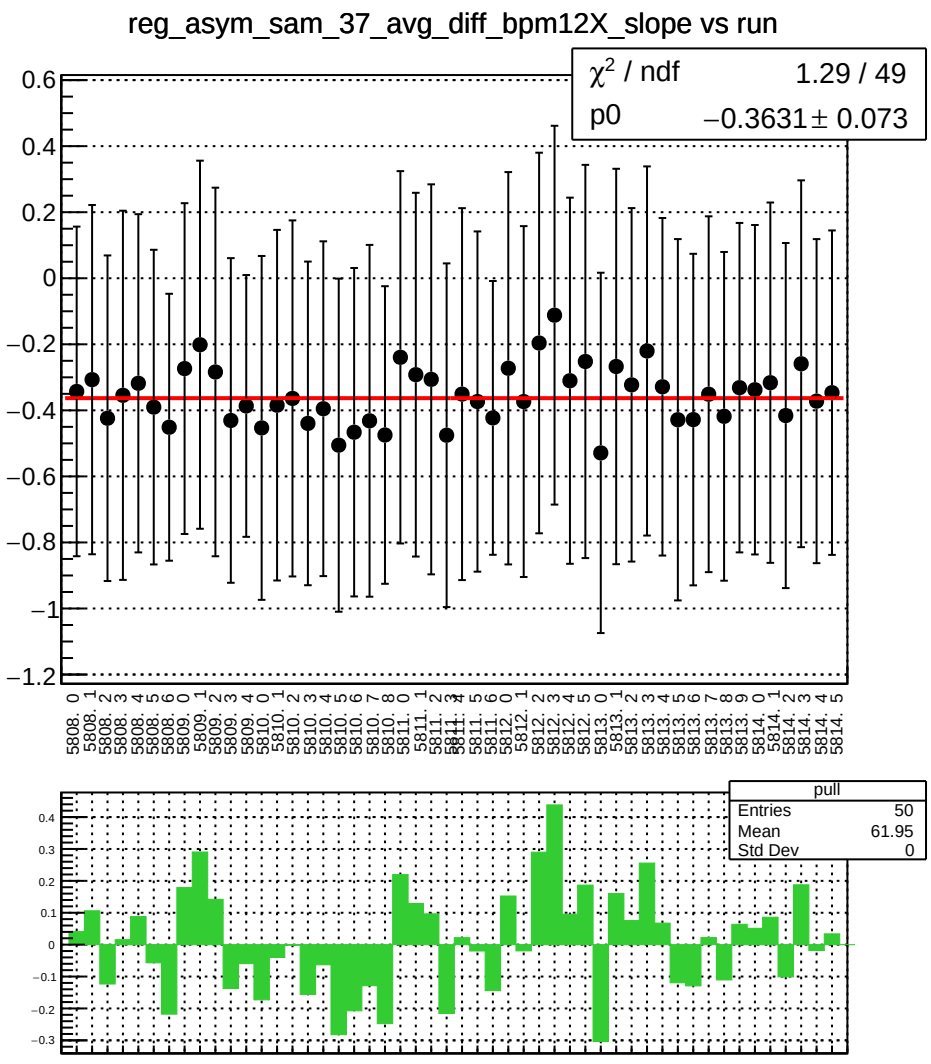

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 1.597 / 49
p0 3.979 ± 0.6659
pull
Entries 50
Mean 135.4
Std Dev 0
pull1D
Entries 50
Mean 0.008466
Std Dev 0.1785

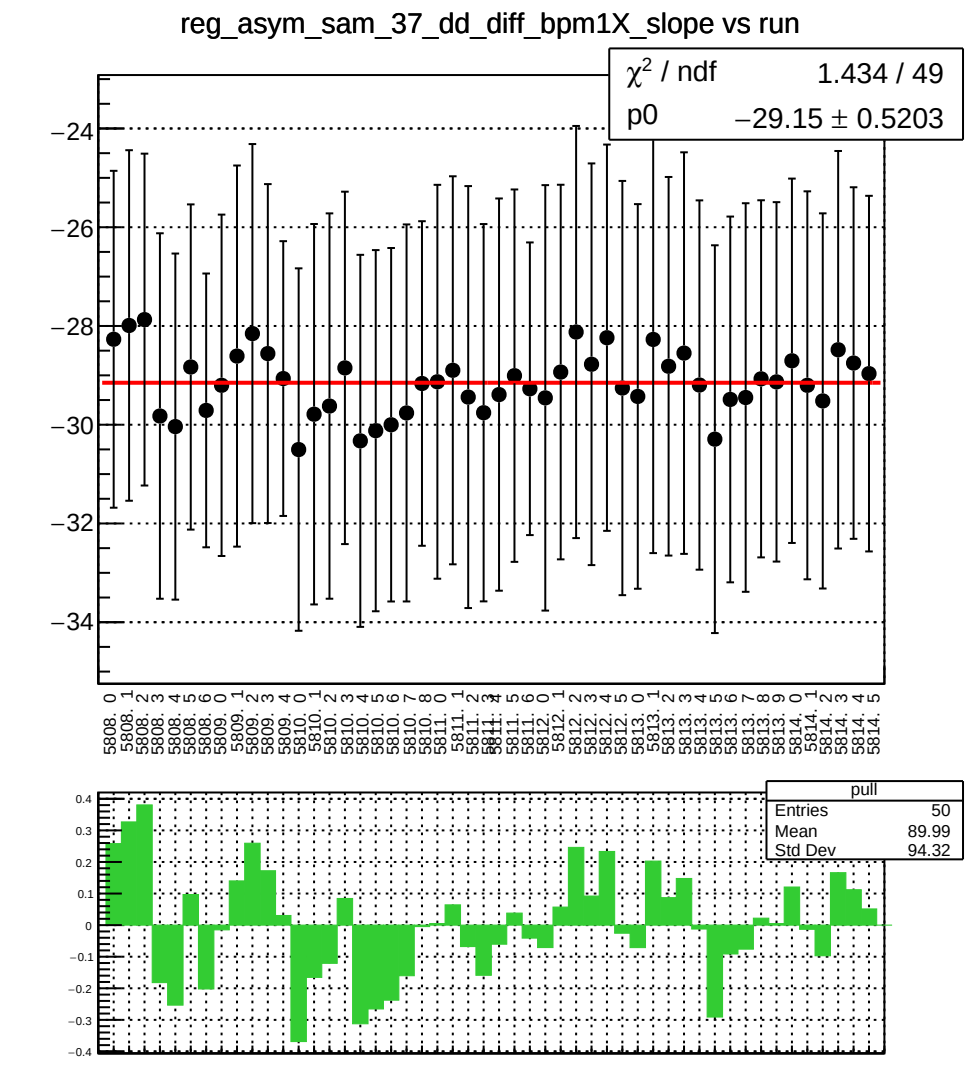

reg_asym_sam_37_avg_diff_bpm4aY_slope vs run
χ² / ndf 1.526 / 49
p0 0.6225 ± 1.061
pull
Entries 50
Mean 271.1
Std Dev 0
pull1D
Entries 50
Mean −0.003974
Std Dev 0.1747

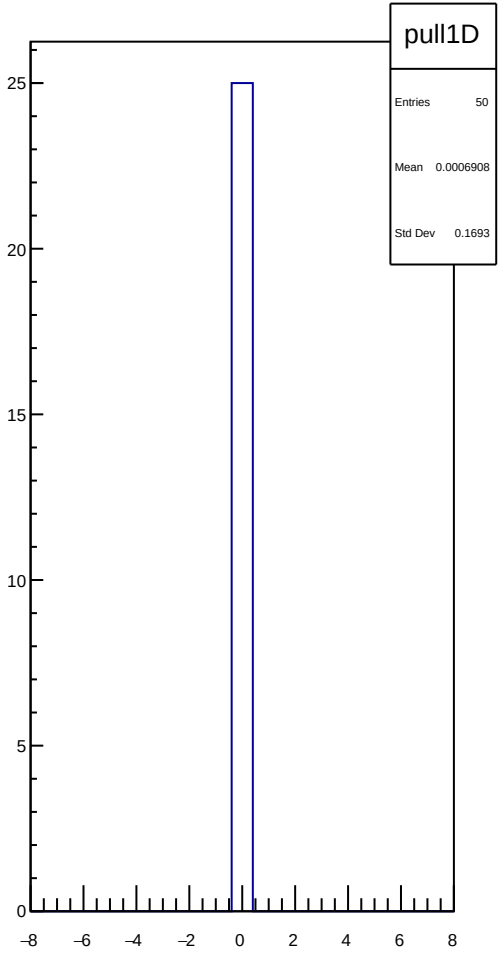

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.768 / 49
p0 −73.7 ± 0.9533
−65
−70
−75
−80
−85
pull
Entries 50
Mean 145.7
Std Dev 0
0.4
0.2
0
−0.2
−0.4

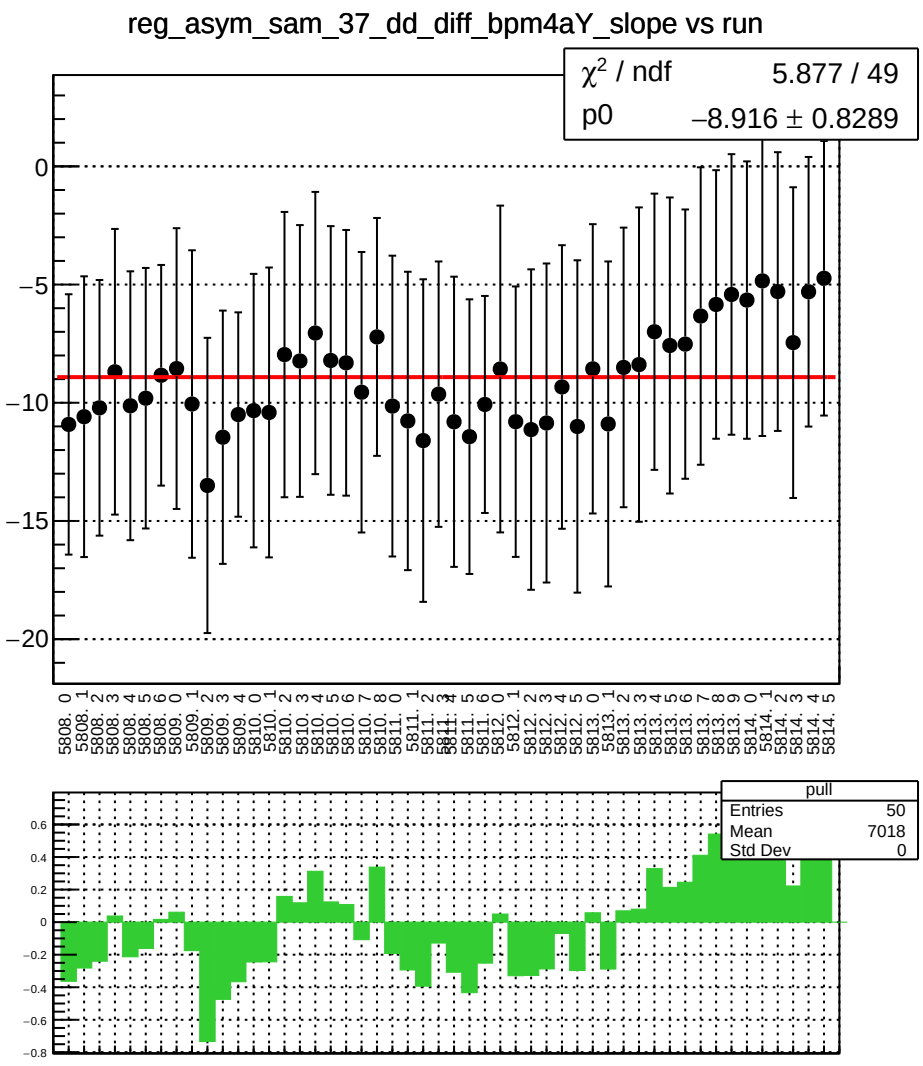

pull1D
Entries 50
Mean −0.008088
Std Dev 0.1878
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

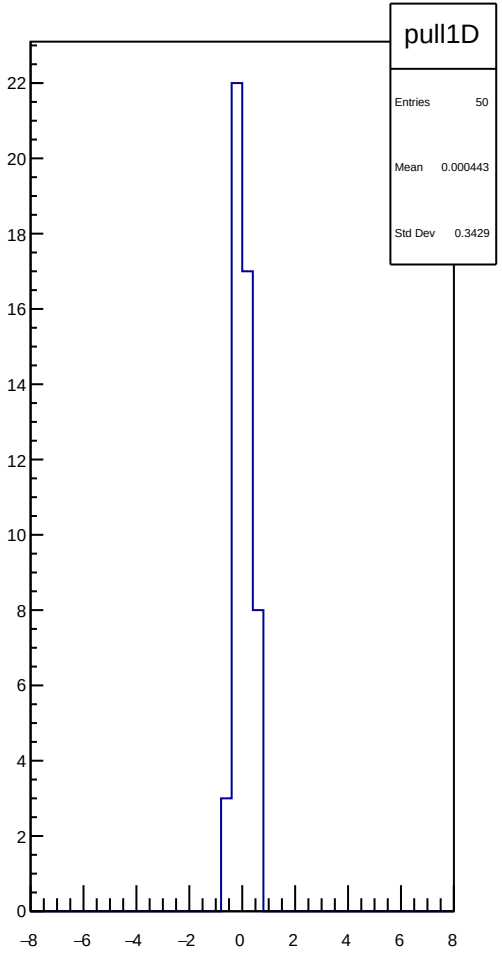

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 1.667 / 49
p0 2.191 ± 1.162
pull
Entries 50
Mean 282.5
Std Dev 0
pull1D
Entries 50
Mean 0.004454
Std Dev 0.1825

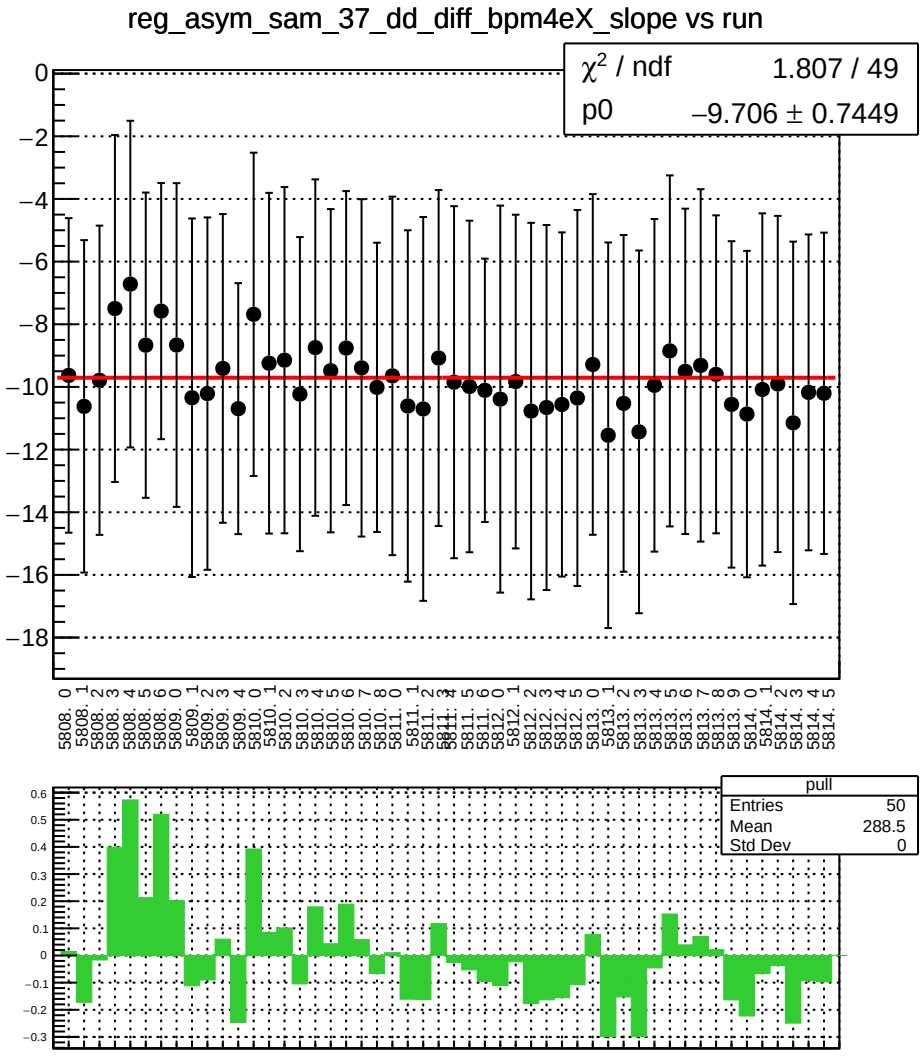

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 1.29 / 49
p0 −0.3631 ± 0.073
pull
Entries 50
Mean 61.95
Std Dev 0
pull1D
Entries 50
Mean 0.008353
Std Dev 0.1604

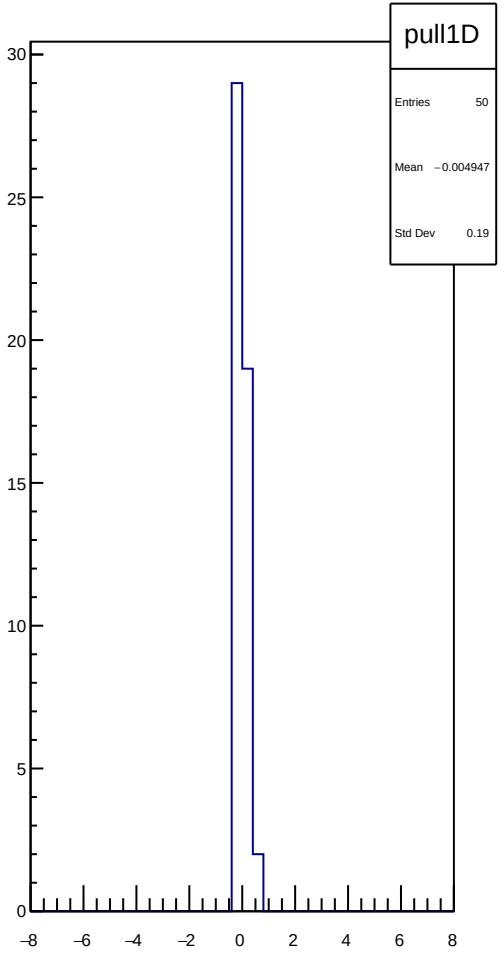

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.434 / 49
p0 −29.15 ± 0.5203
pull
Entries 50
Mean 89.99
Std Dev 94.32

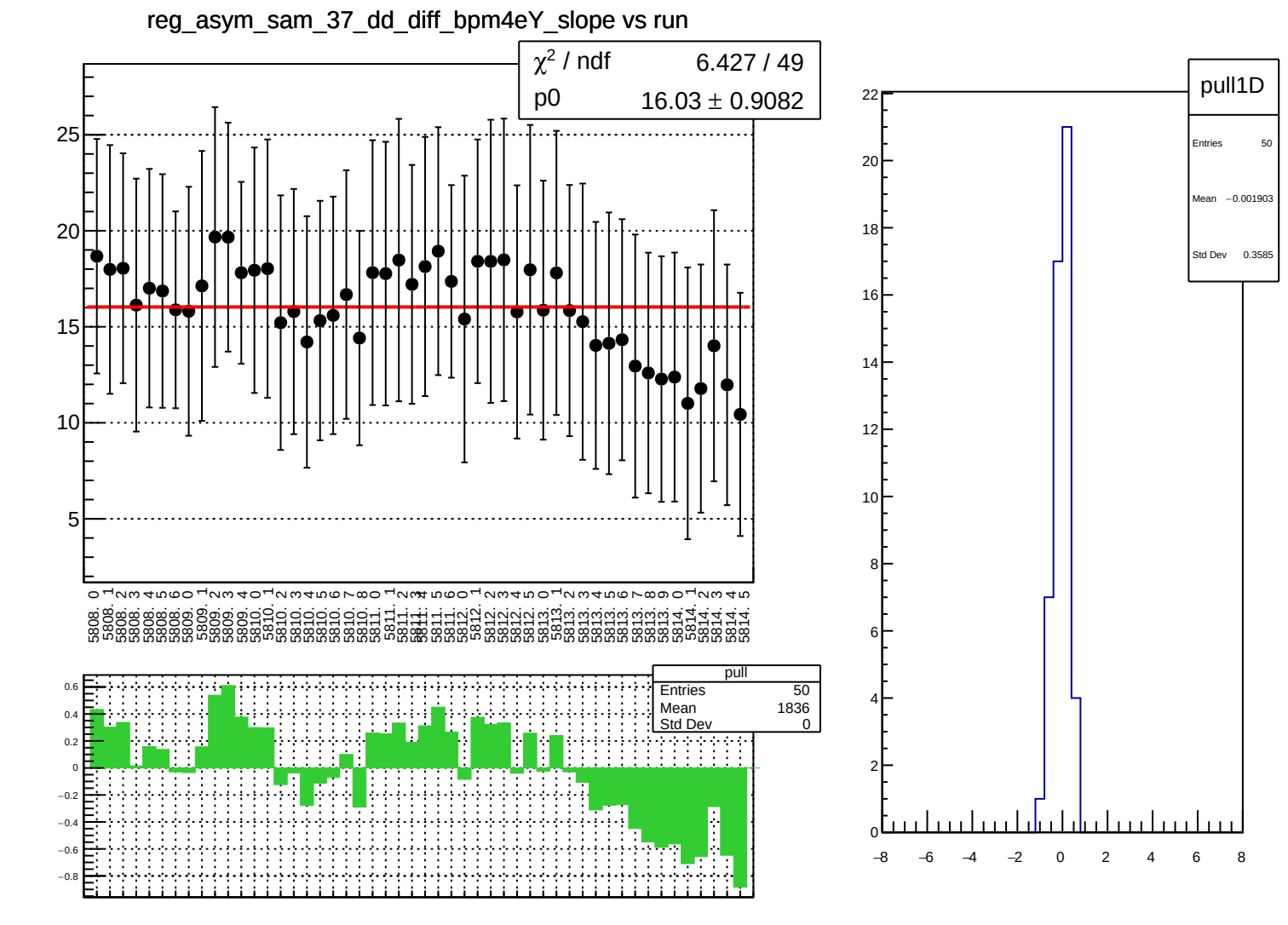

pull1D
Entries 50
Mean 0.0006908
Std Dev 0.1693

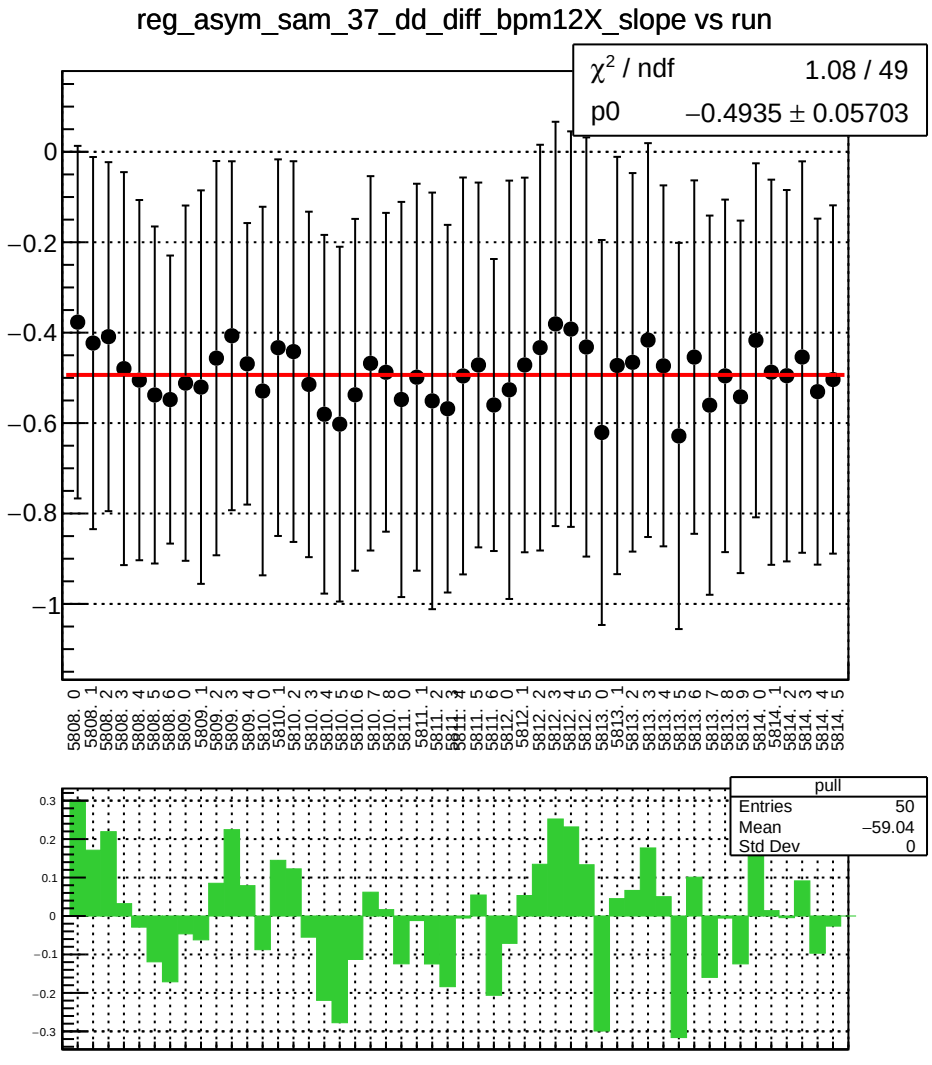

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 5.877 / 49
p0 −8.916 ± 0.8289
pull
Entries 50
Mean 7018
Std Dev 0

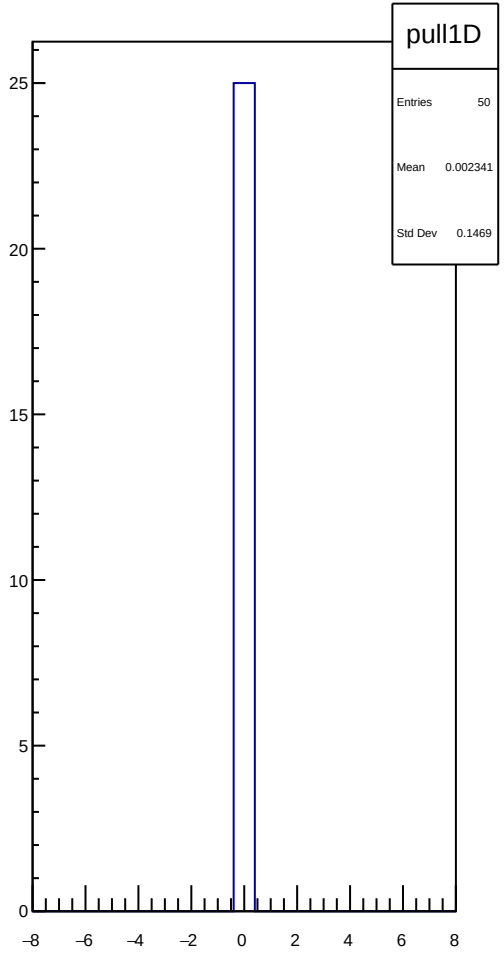

pull1D
Entries 50
Mean 0.000443
Std Dev 0.3429

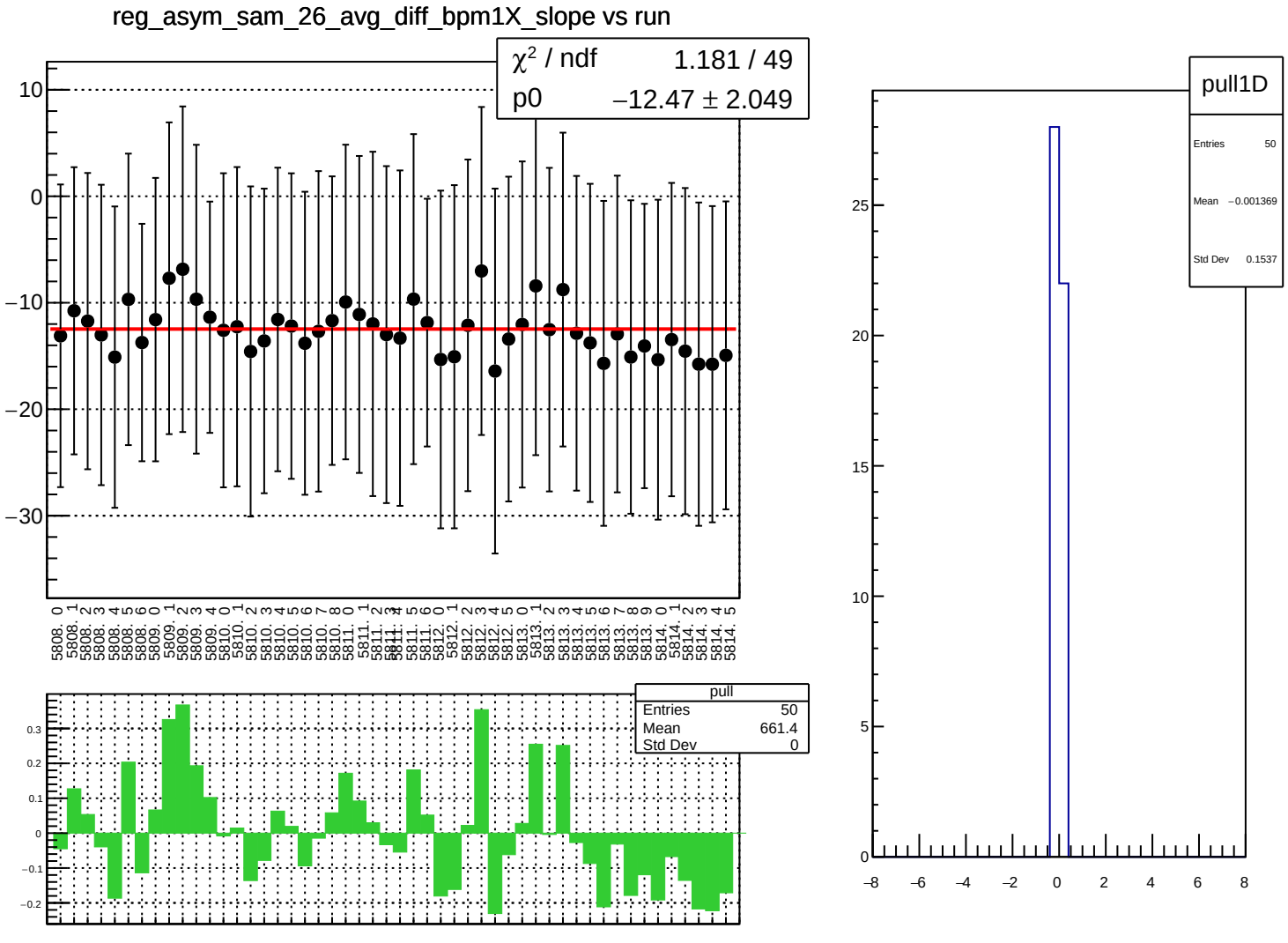

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.807 / 49
p0 −9.706 ± 0.7449
pull
Entries 50
Mean 288.5
Std Dev 0

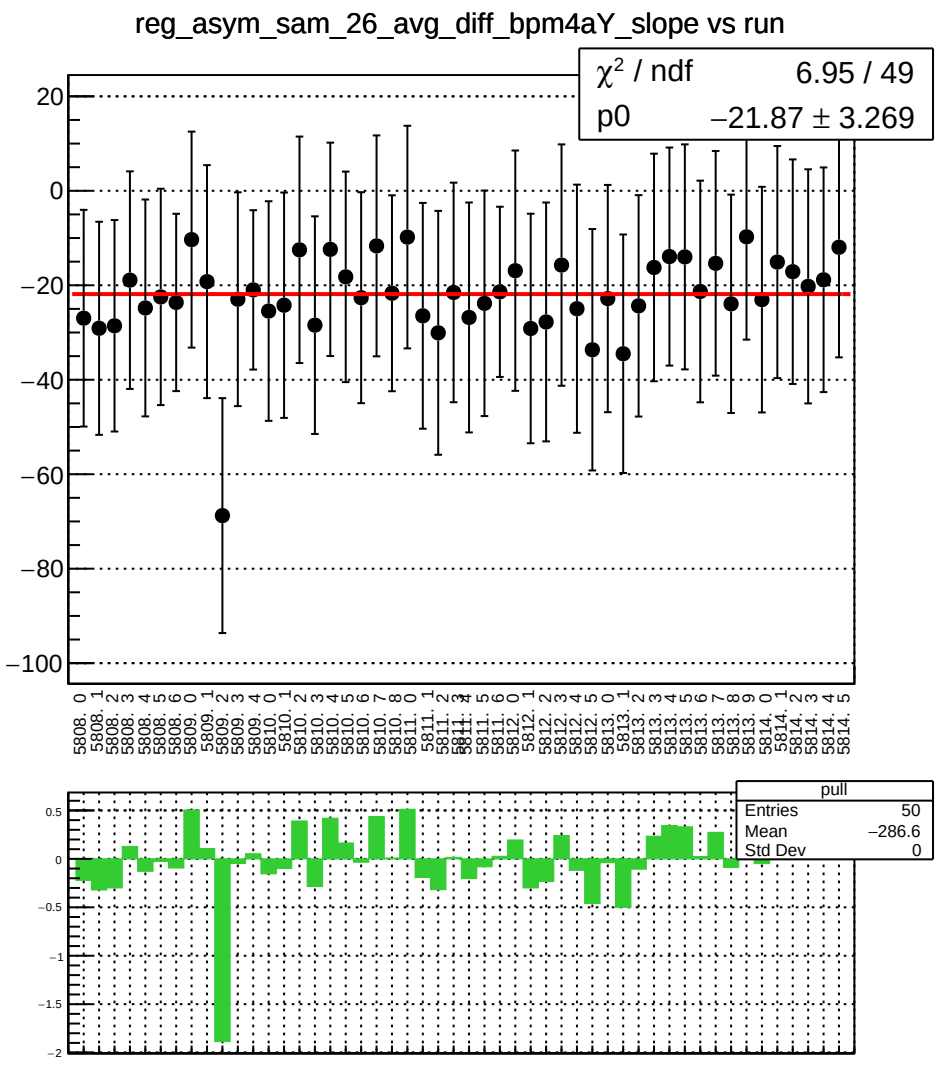

pull1D
Entries 50
Mean −0.004947
Std Dev 0.19

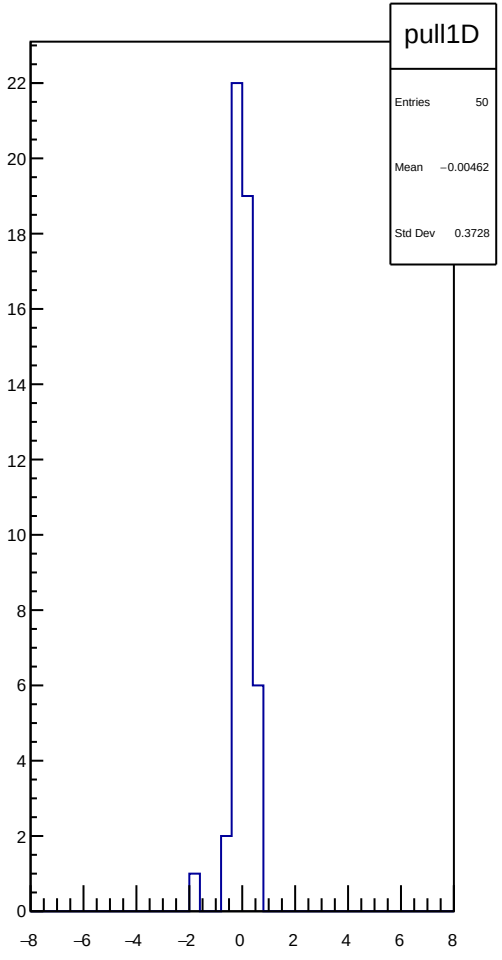

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.427 / 49
p0 16.03 ± 0.9082
pull
Entries 50
Mean 1836
Std Dev 0
pull1D
Entries 50
Mean −0.001903
Std Dev 0.3585

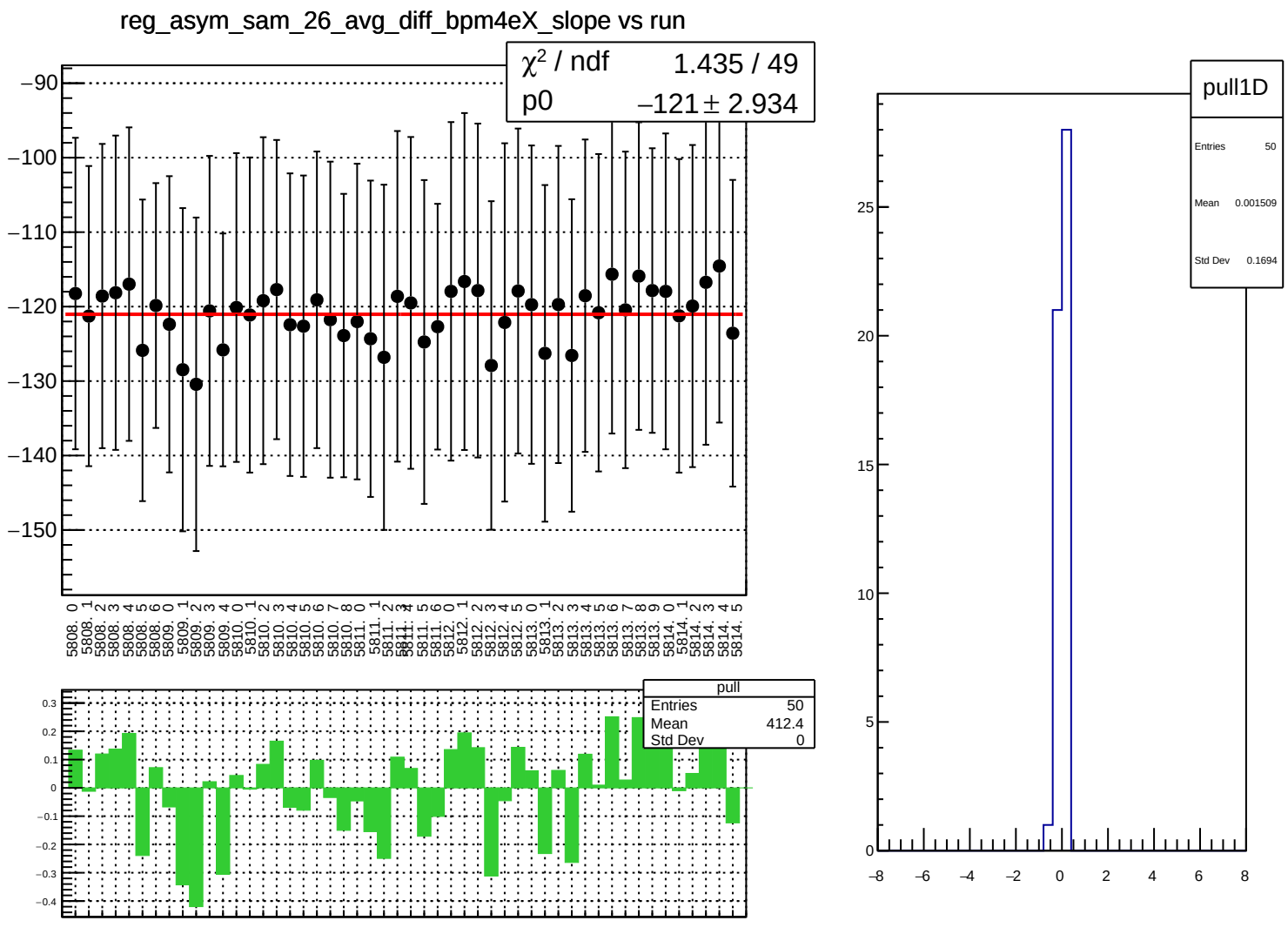

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.08 / 49
p0 −0.4935 ± 0.05703
pull
Entries 50
Mean −59.04
Std Dev 0

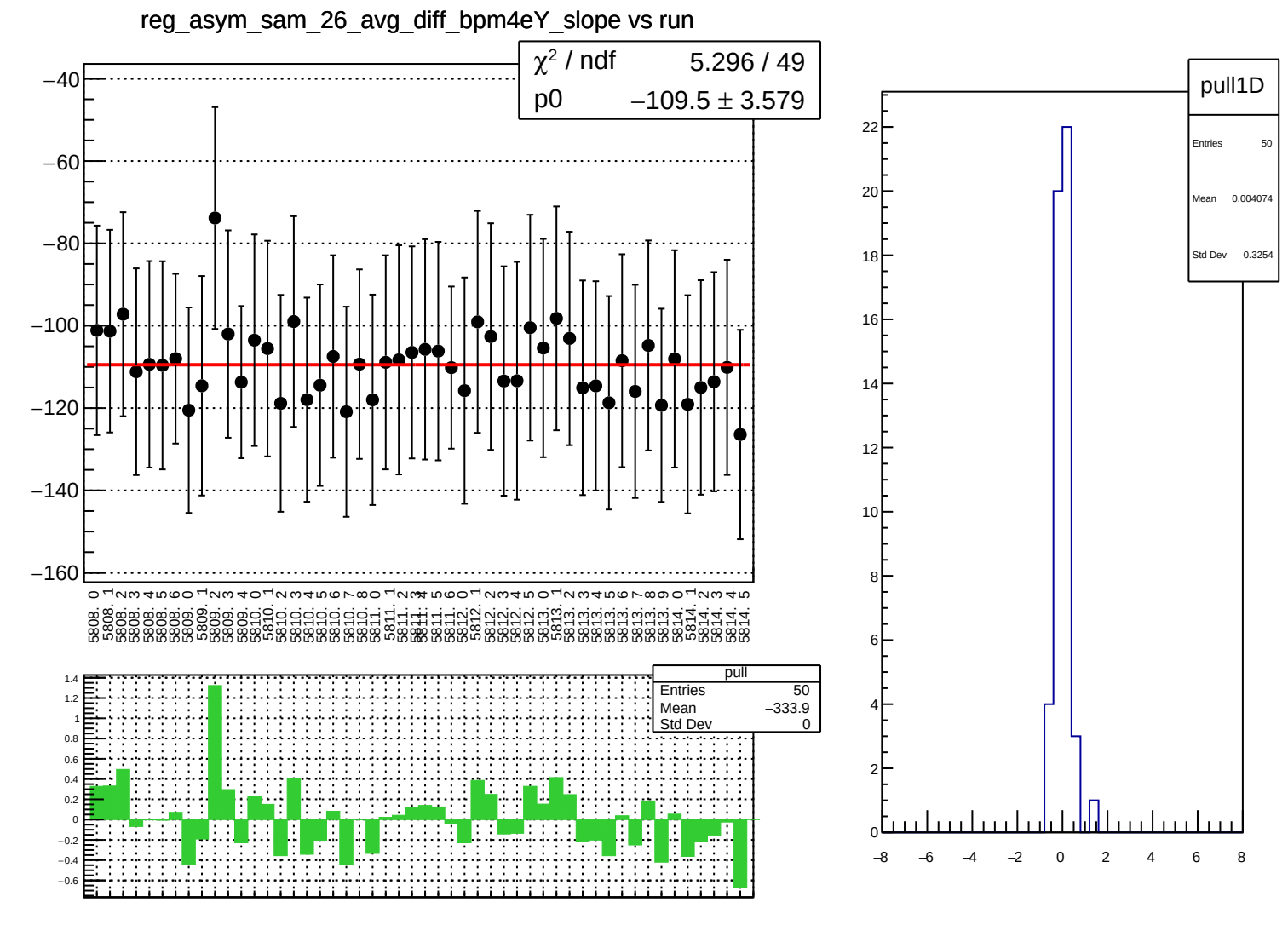

pull1D
Entries 50
Mean 0.002341
Std Dev 0.1469

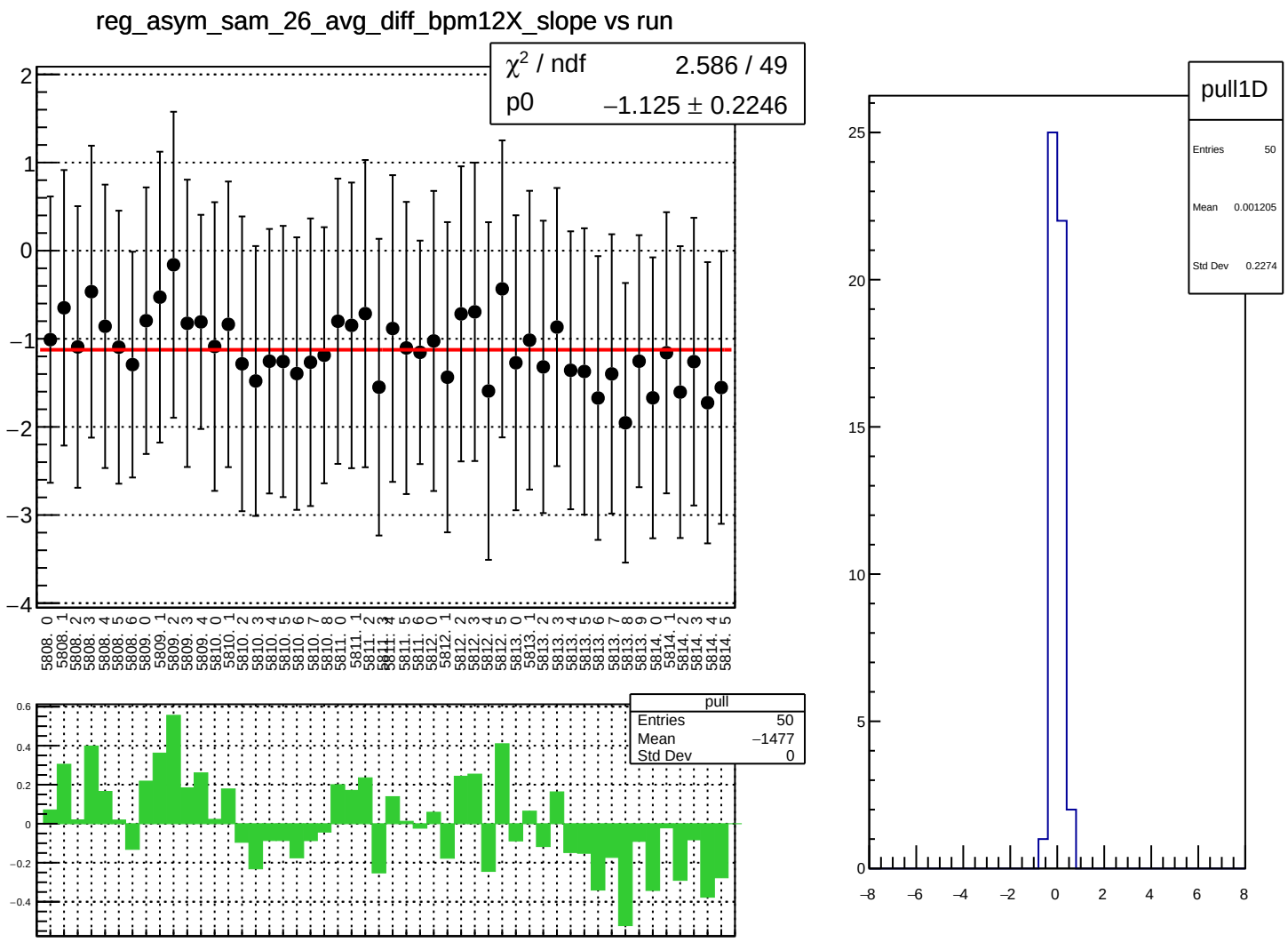

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 1.181 / 49
p0 −12.47 ± 2.049
10
0
−10
−20
−30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 661.4
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
pull1D
Entries 50
Mean −0.001369
Std Dev 0.1537
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

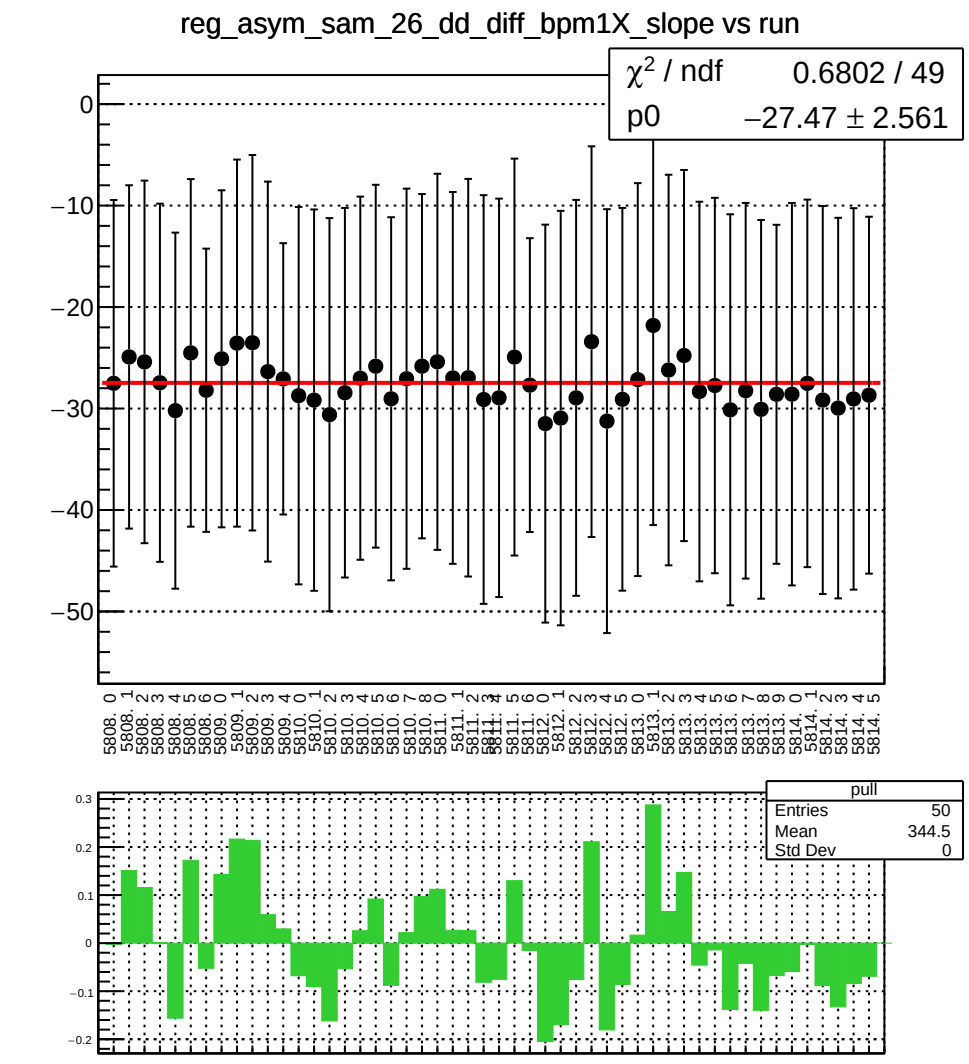

reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.95 / 49
p0 −21.87 ± 3.269
pull
Entries 50
Mean −286.6
Std Dev 0

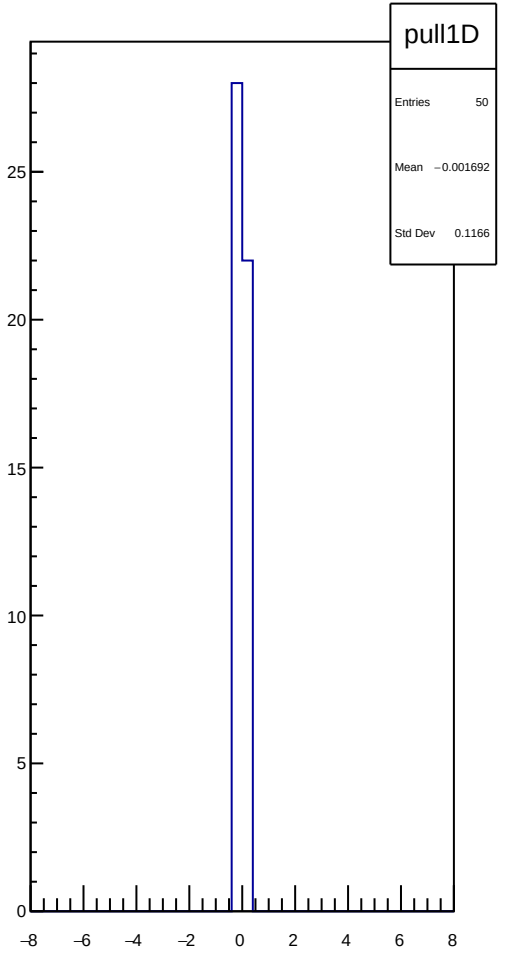

pull1D
Entries 50
Mean −0.00462
Std Dev 0.3728

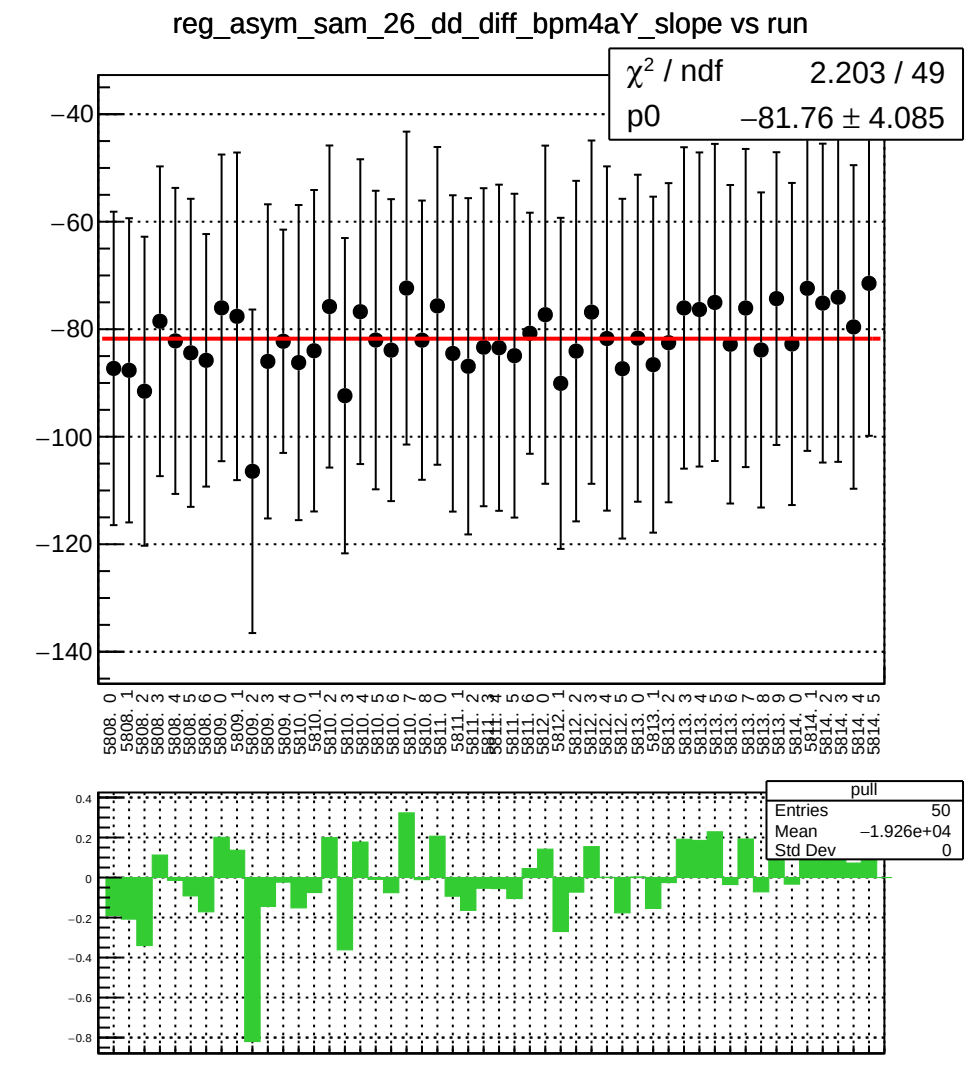

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.435 / 49
p0 −121 ± 2.934
−90
−100
−110
−120
−130
−140
−150
pull
Entries 50
Mean 412.4
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 50
Mean 0.001509
Std Dev 0.1694
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

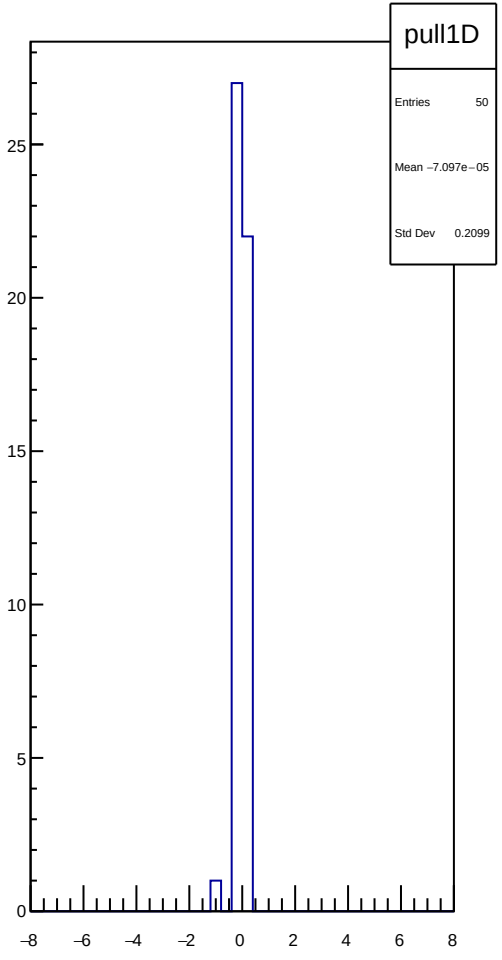

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.296 / 49
p0 −109.5 ± 3.579
pull
Entries 50
Mean −333.9
Std Dev 0
pull1D
Entries 50
Mean 0.004074
Std Dev 0.3254

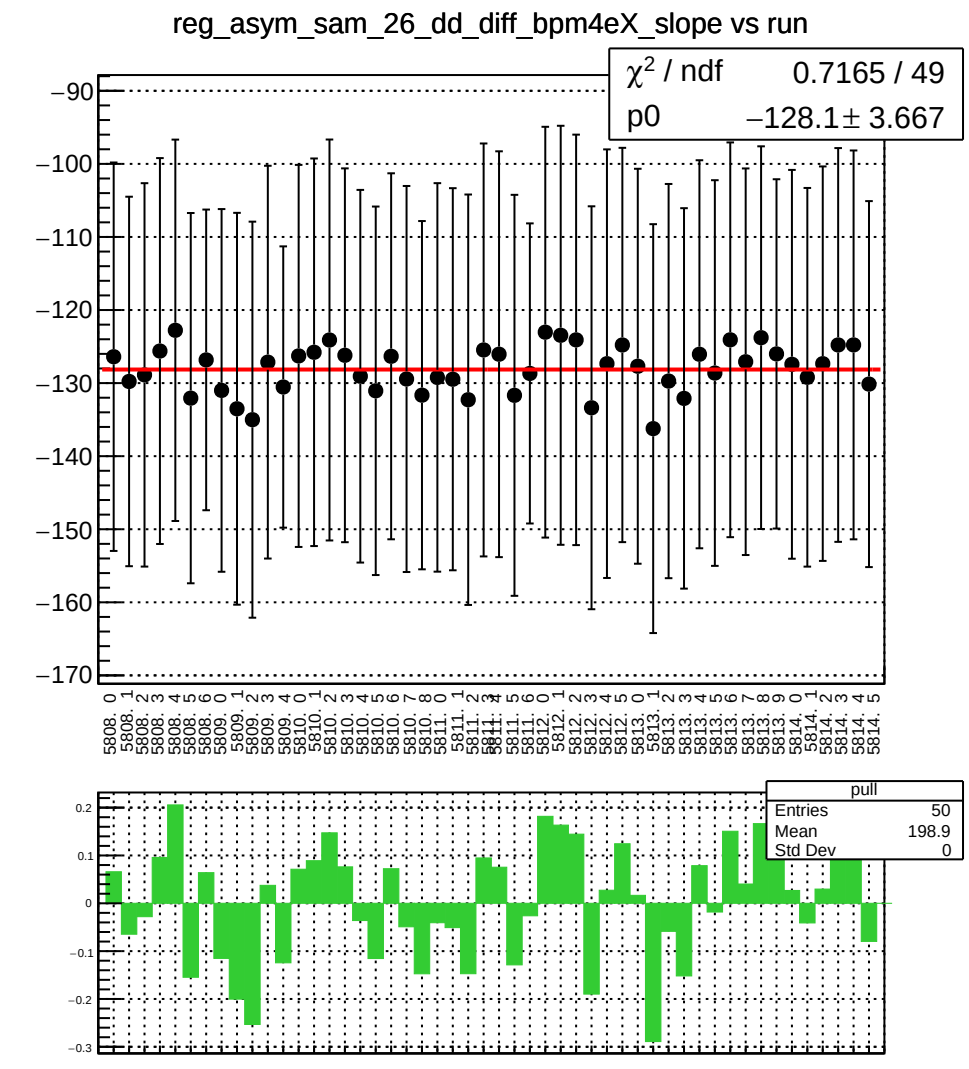

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 2.586 / 49
p0 −1.125 ± 0.2246
pull
Entries 50
Mean −1477
Std Dev 0
pull1D
Entries 50
Mean 0.001205
Std Dev 0.2274

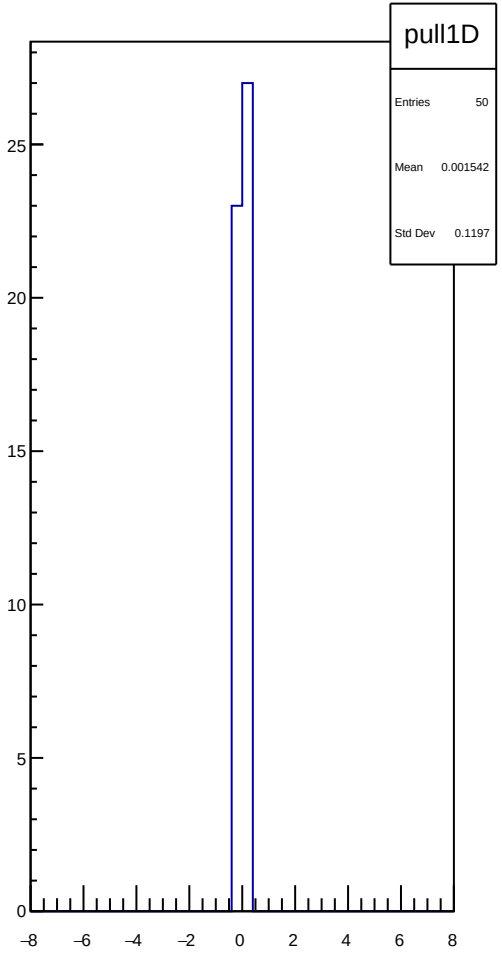

reg_asym_sam_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.6802 / 49
p0 −27.47 ± 2.561
pull
Entries 50
Mean 344.5
Std Dev 0

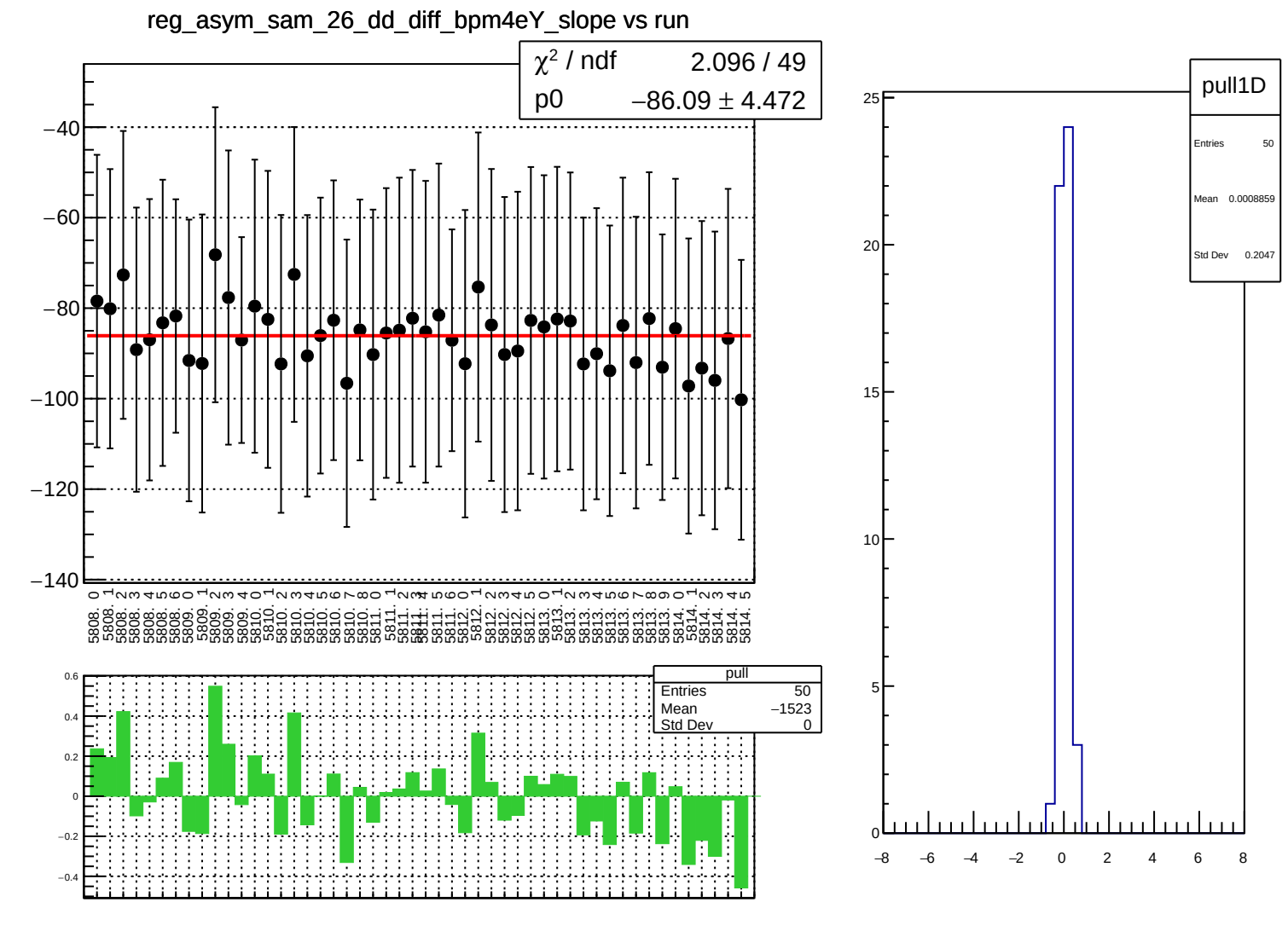

pull1D
Entries 50
Mean −0.001692
Std Dev 0.1166

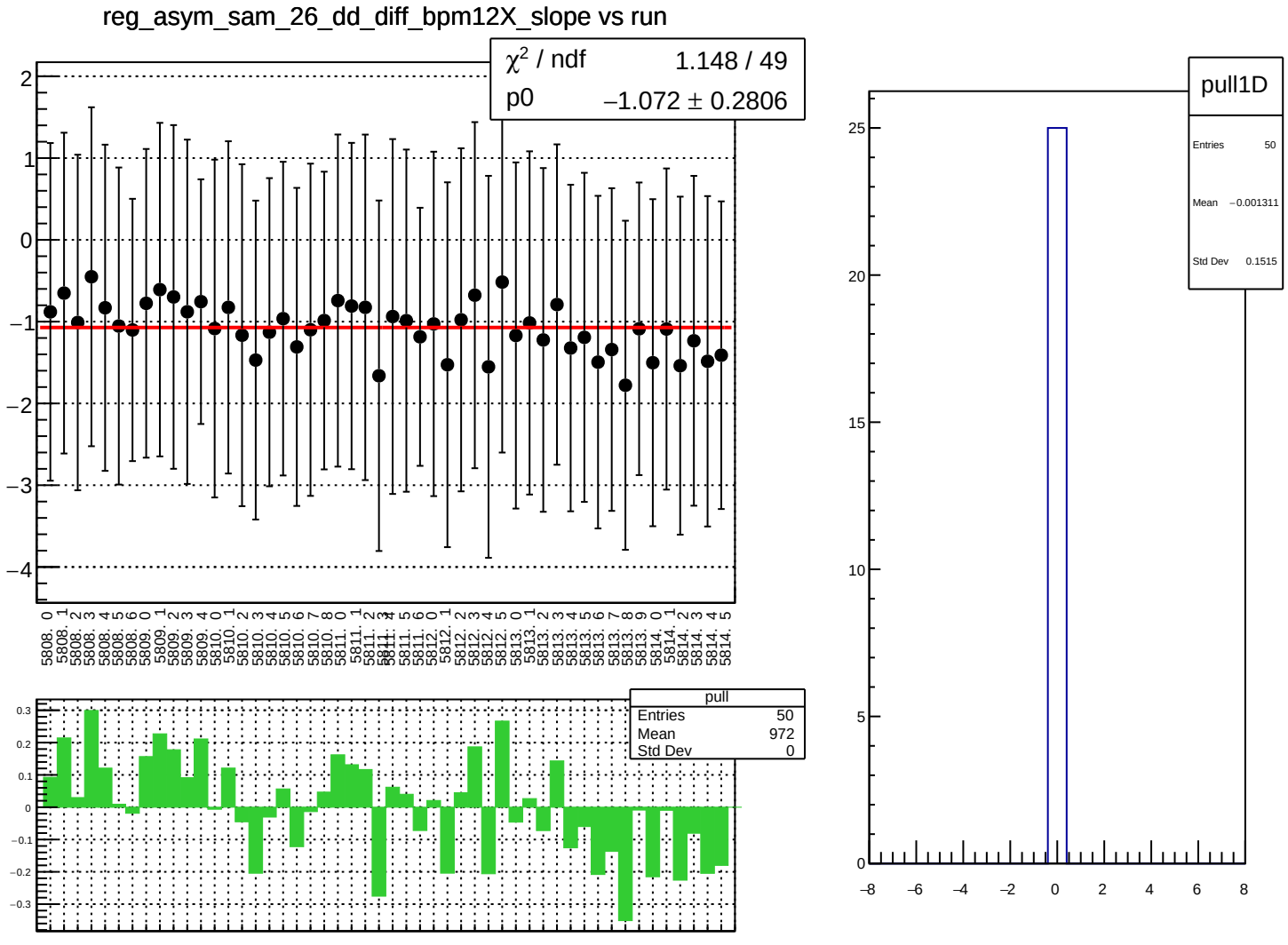

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.203 / 49
p0 −81.76 ± 4.085
−40
−60
−80
−100
−120
−140
pull
Entries 50
Mean −1.926e+04
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

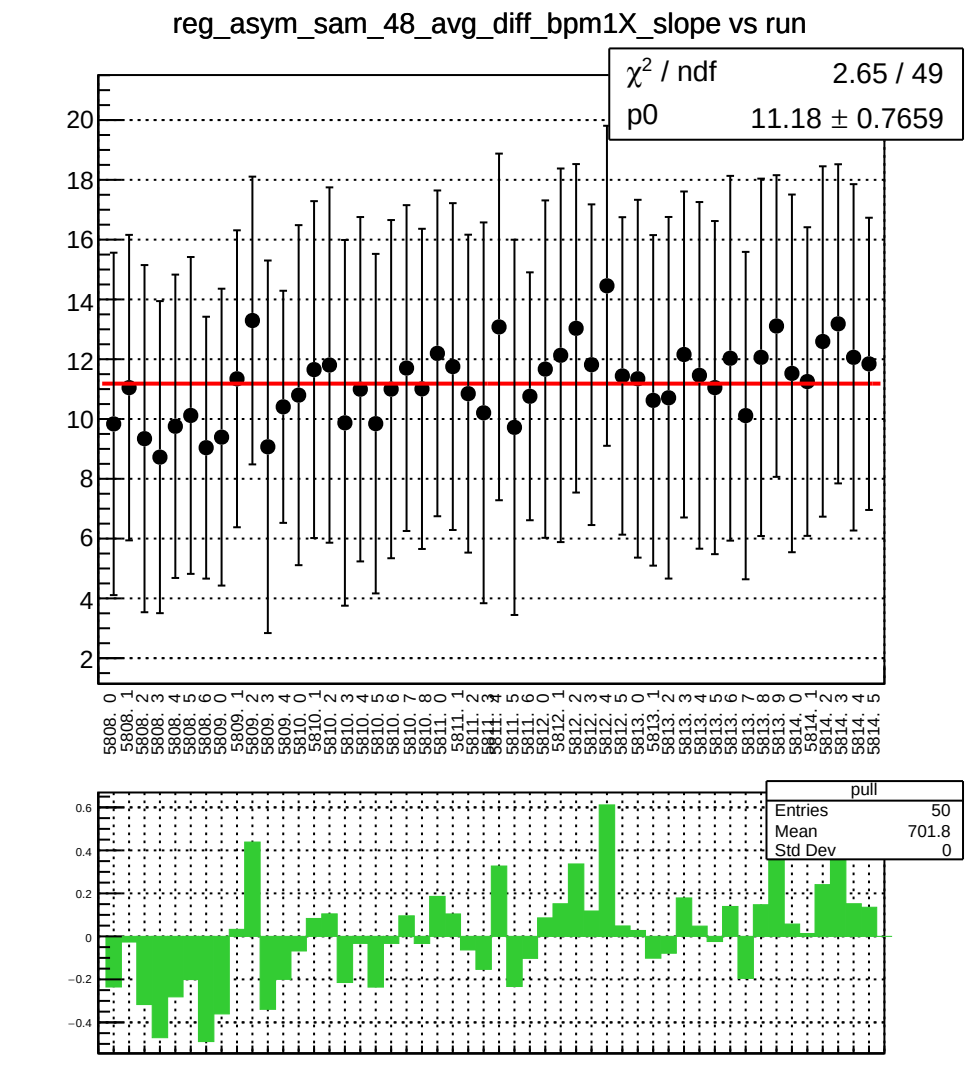

pull1D
Entries 50
Mean −7.097e−05
Std Dev 0.2099
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

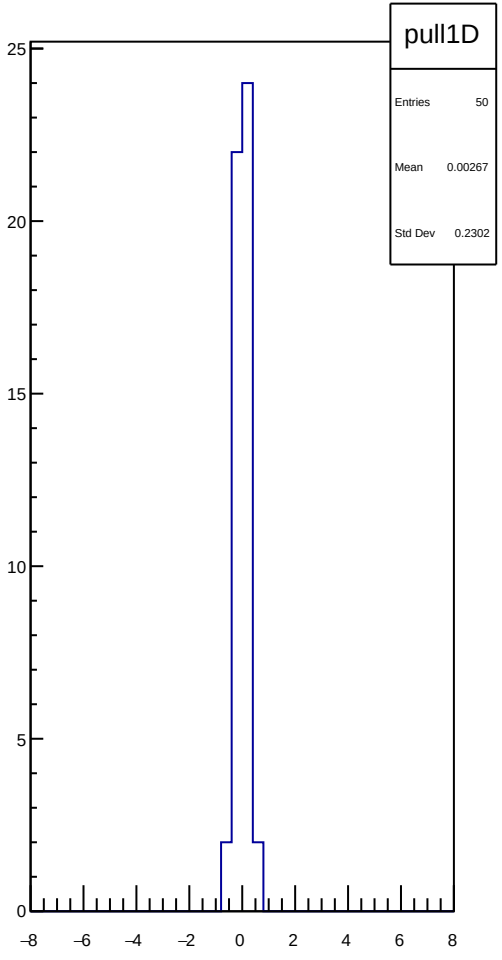

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.7165 / 49
p0 −128.1± 3.667
pull
Entries 50
Mean 198.9
Std Dev 0

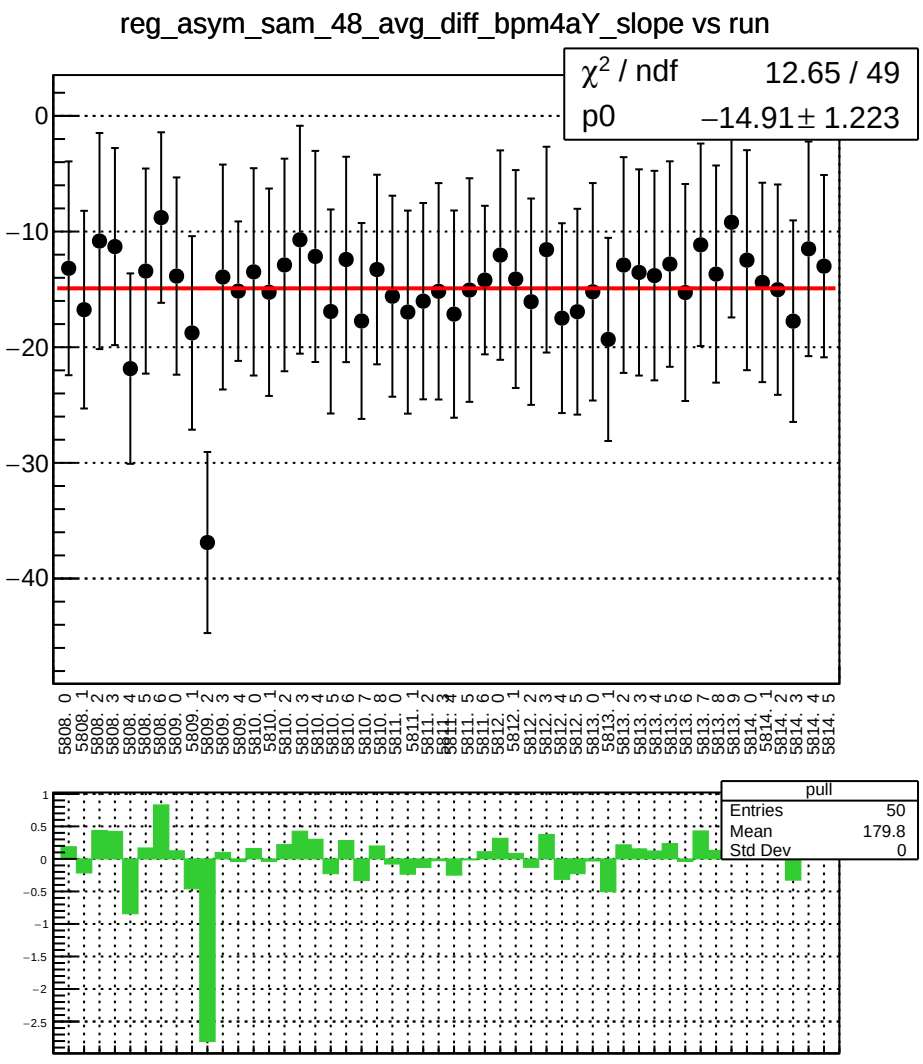

pull1D
Entries 50
Mean 0.001542
Std Dev 0.1197

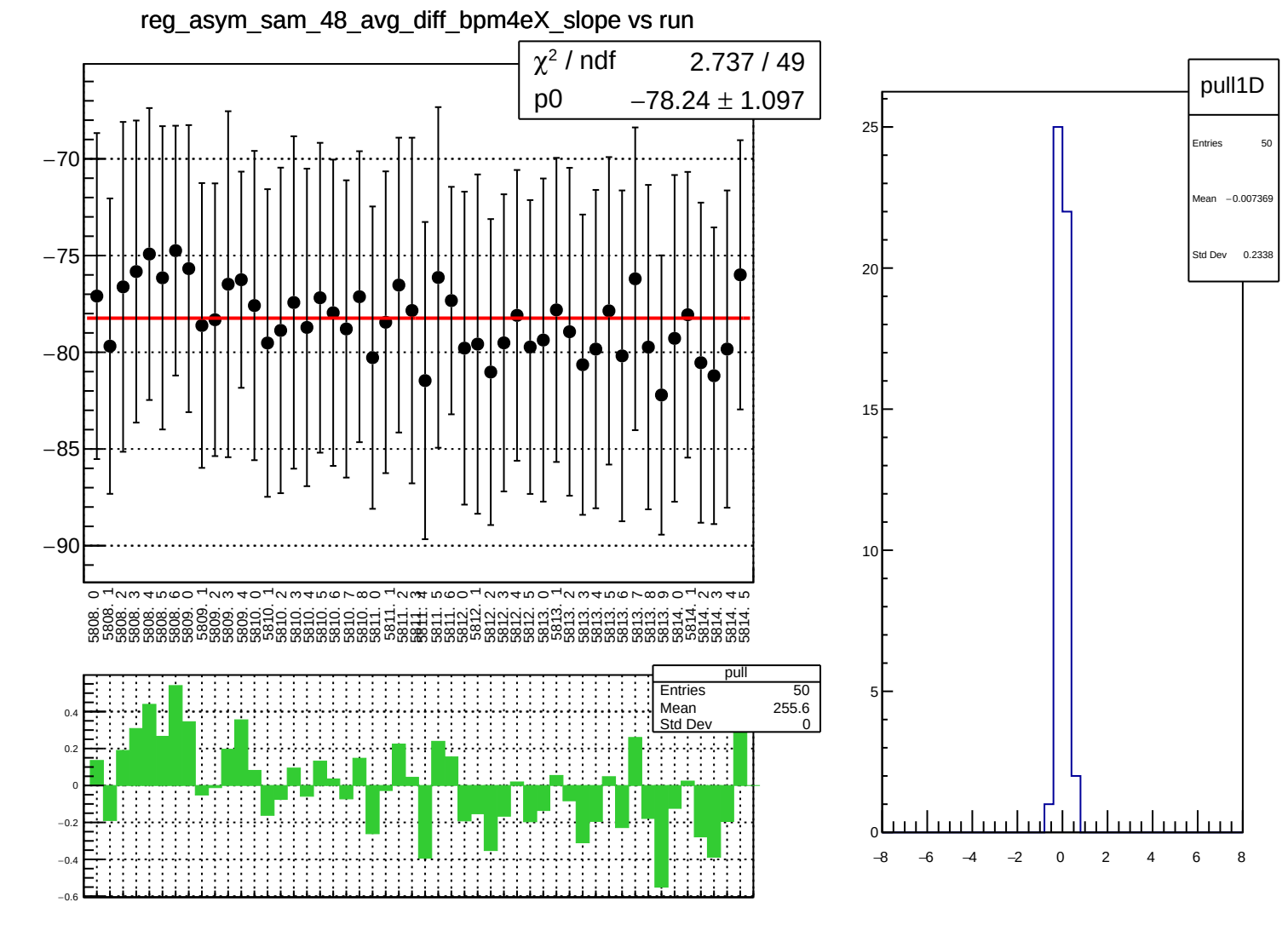

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.096 / 49
p0 −86.09 ± 4.472
pull
Entries 50
Mean −1523
Std Dev 0
pull1D
Entries 50
Mean 0.0008859
Std Dev 0.2047

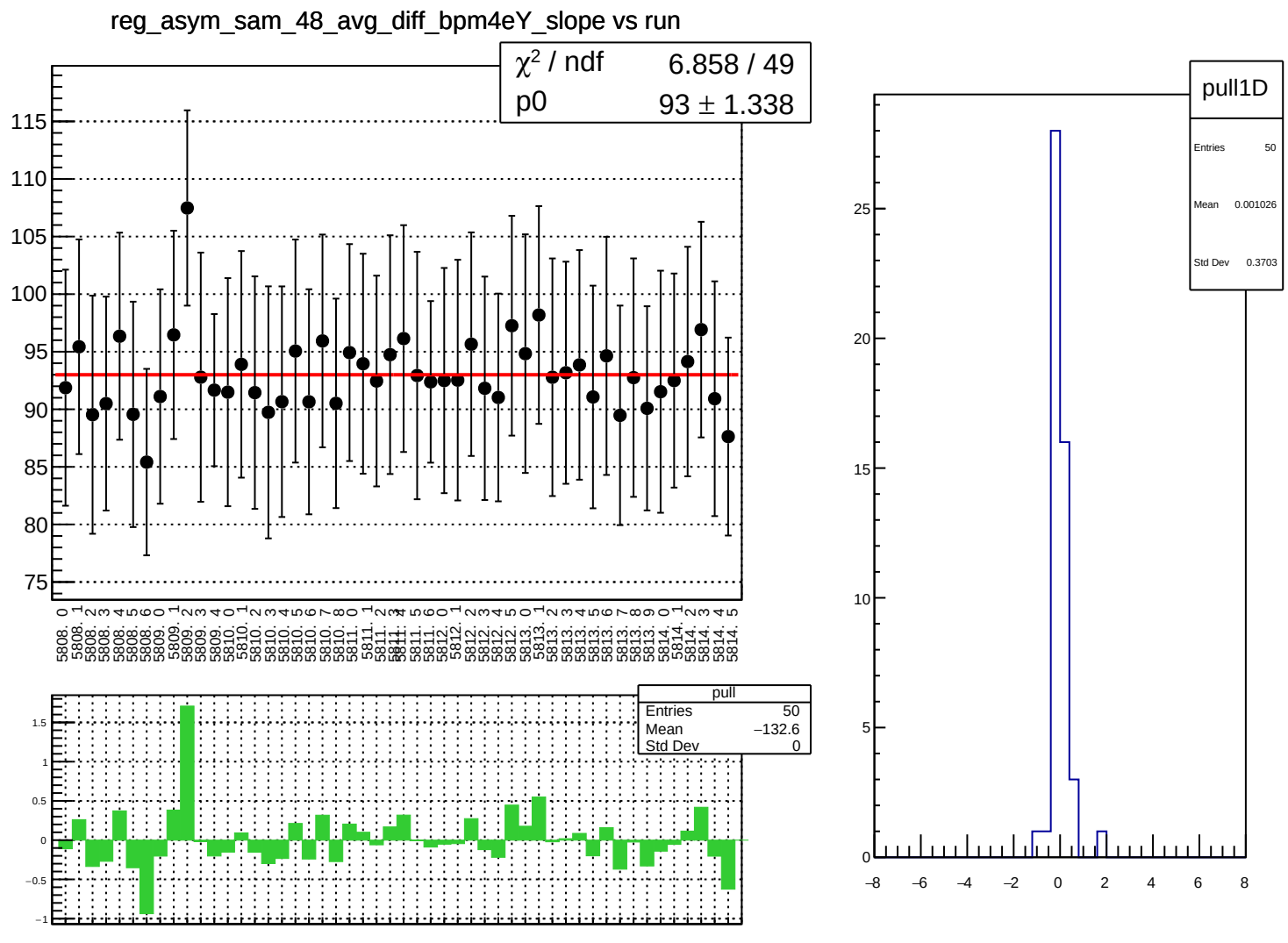

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.148 / 49
p0 −1.072 ± 0.2806
pull
Entries 50
Mean 972
Std Dev 0
pull1D
Entries 50
Mean −0.001311
Std Dev 0.1515

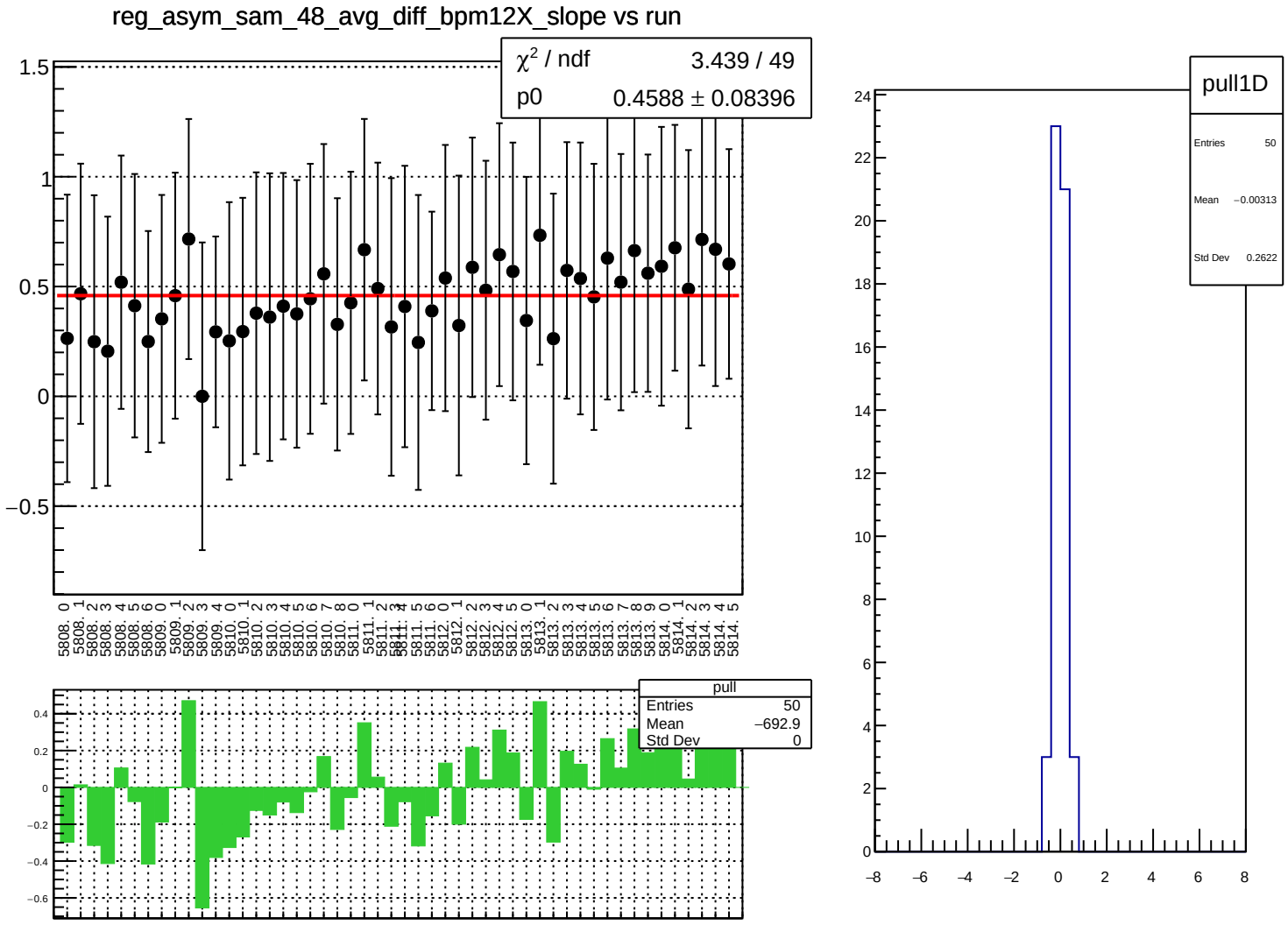

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 2.65 / 49
p0 11.18 ± 0.7659
pull
Entries 50
Mean 701.8
Std Dev 0

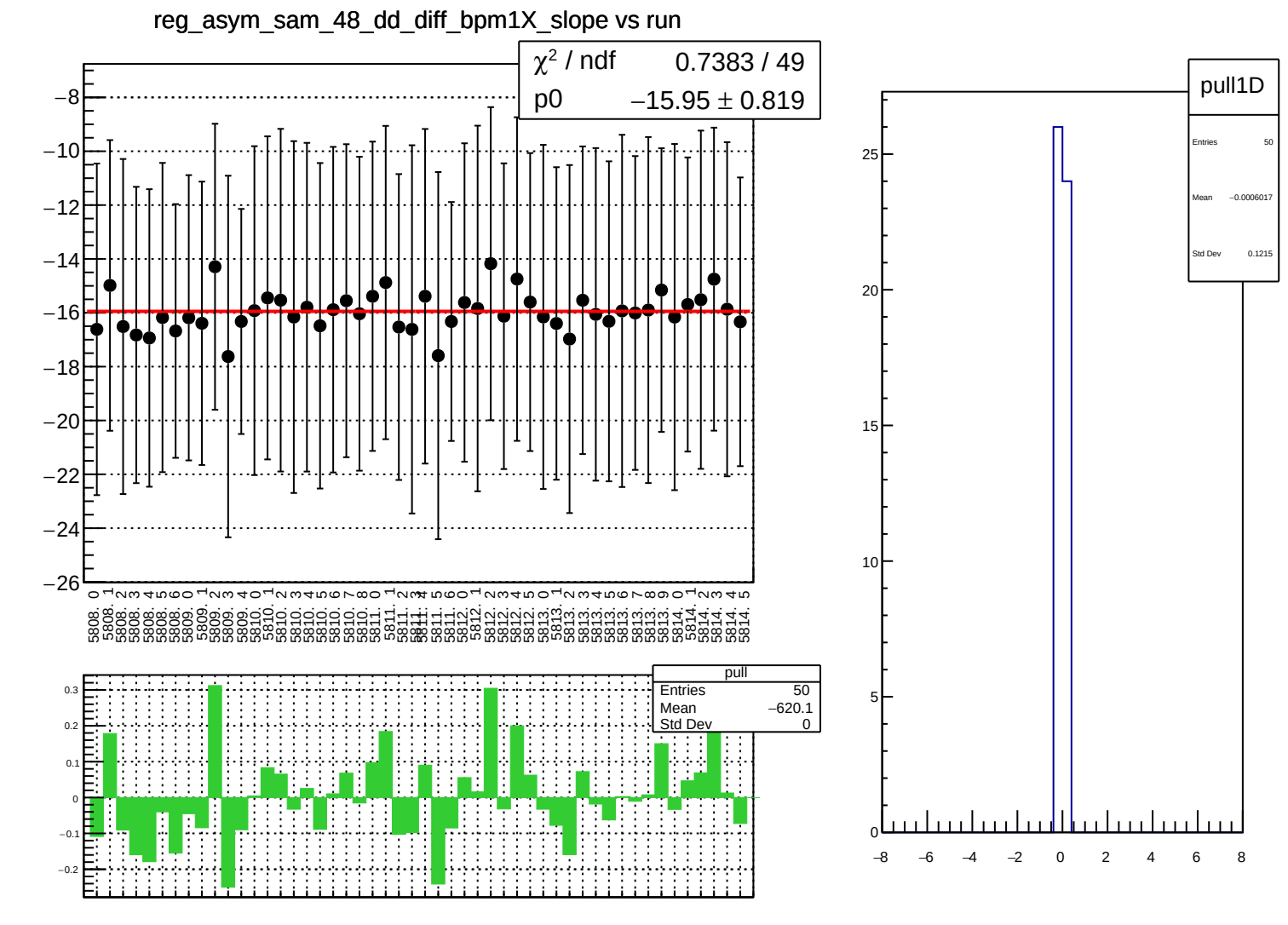

pull1D
Entries 50
Mean 0.00267
Std Dev 0.2302

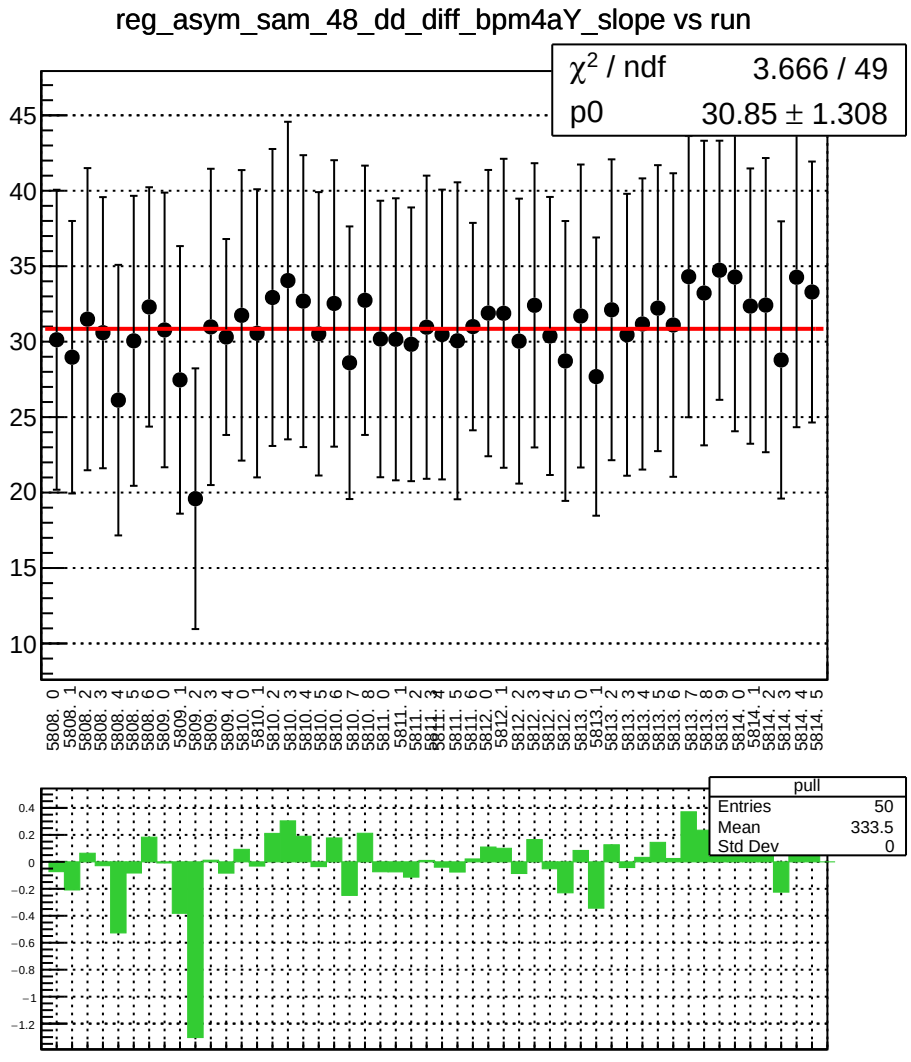

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.65 / 49
p0 −14.91 ± 1.223
0
−10
−20
−30
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 179.8
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean 0.007418
Std Dev 0.503
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

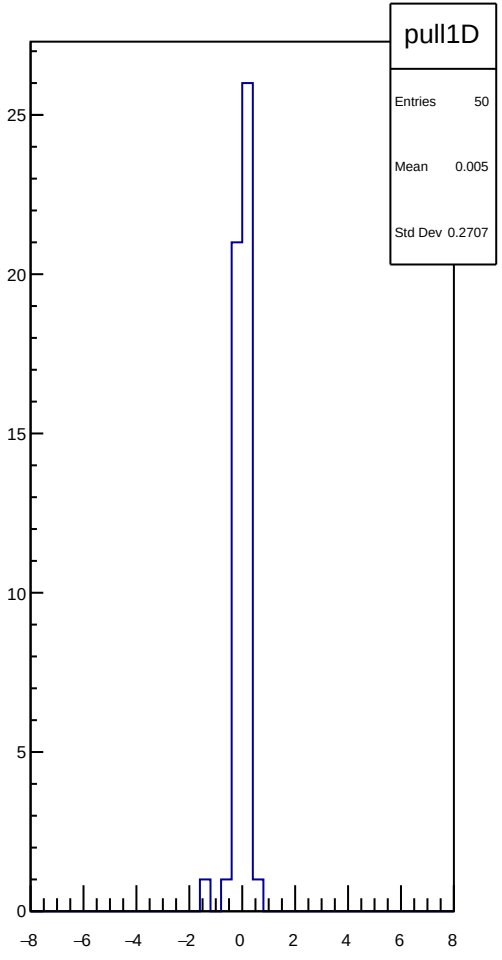

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.737 / 49
p0 −78.24 ± 1.097
pull
Entries 50
Mean 255.6
Std Dev 0
pull1D
Entries 50
Mean −0.007369
Std Dev 0.2338

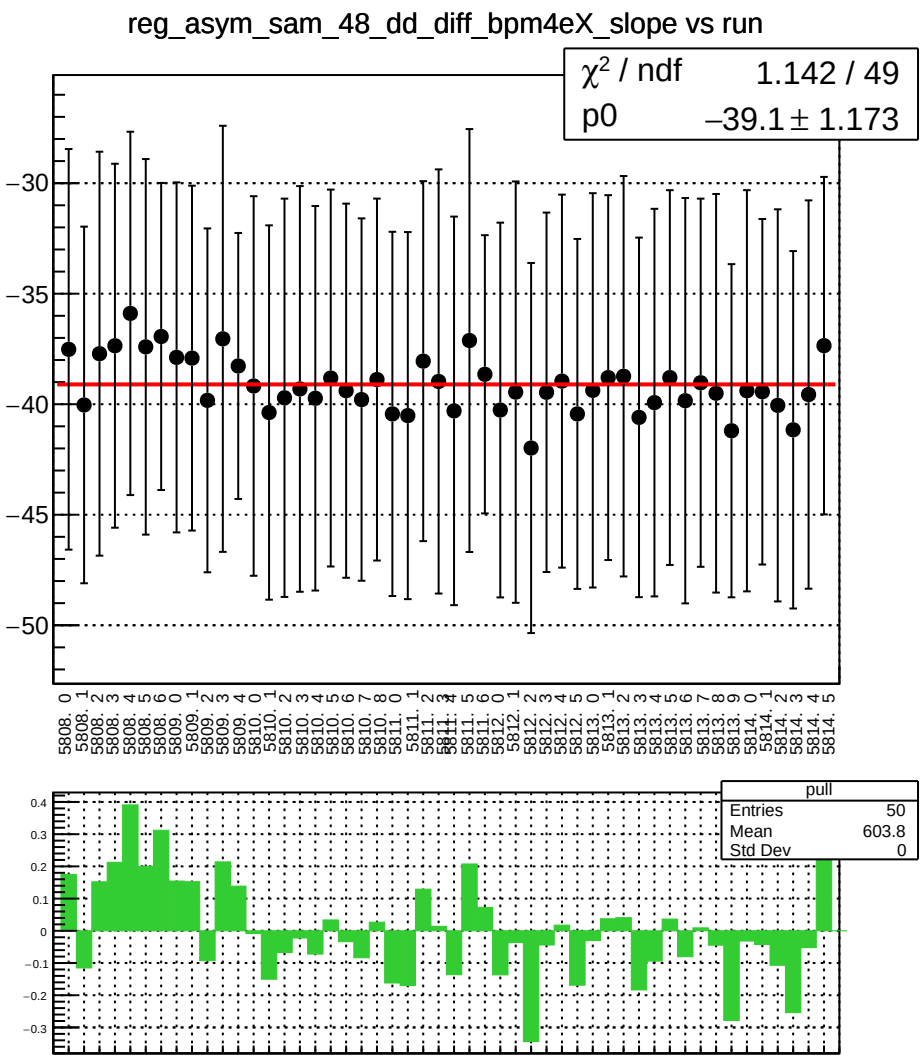

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.858 / 49
p0 93 ± 1.338
pull
Entries 50
Mean −132.6
Std Dev 0
pull1D
Entries 50
Mean 0.001026
Std Dev 0.3703

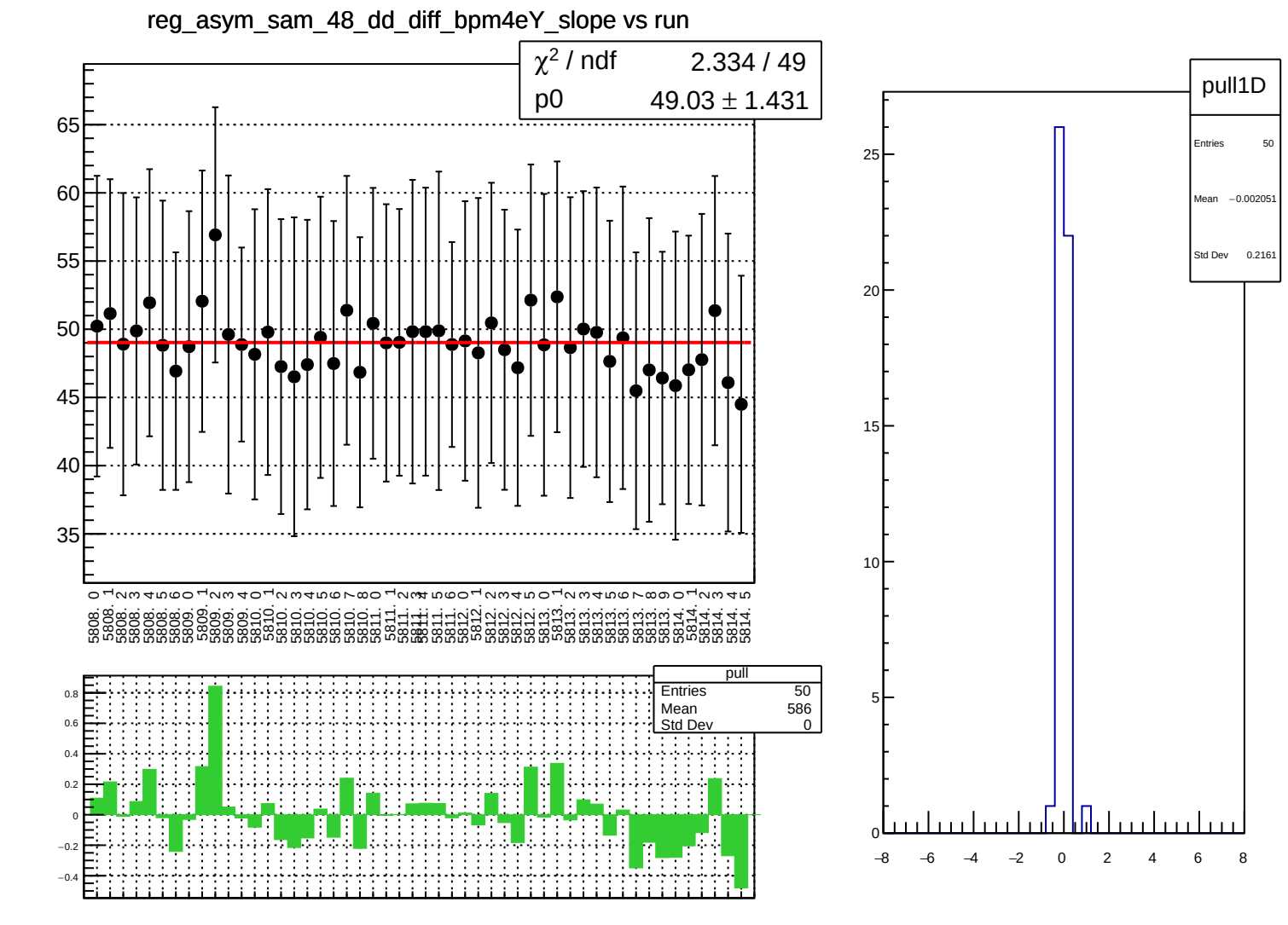

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 3.439 / 49
p0 0.4588 ± 0.08396
pull
Entries 50
Mean −692.9
Std Dev 0
pull1D
Entries 50
Mean −0.00313
Std Dev 0.2622

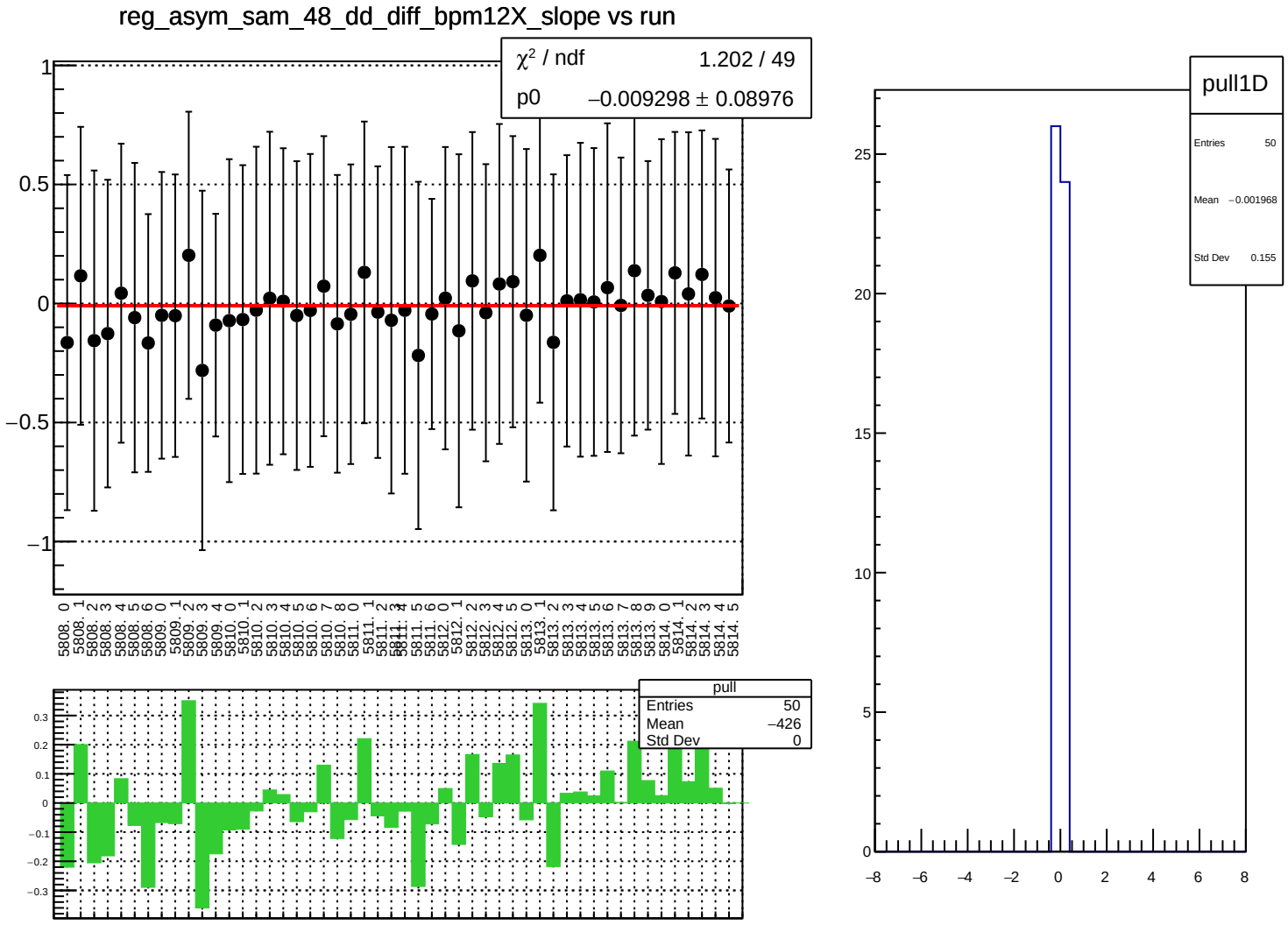

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7383 / 49
p0 −15.95 ± 0.819
pull
Entries 50
Mean −620.1
Std Dev 0
pull1D
Entries 50
Mean −0.0006017
Std Dev 0.1215

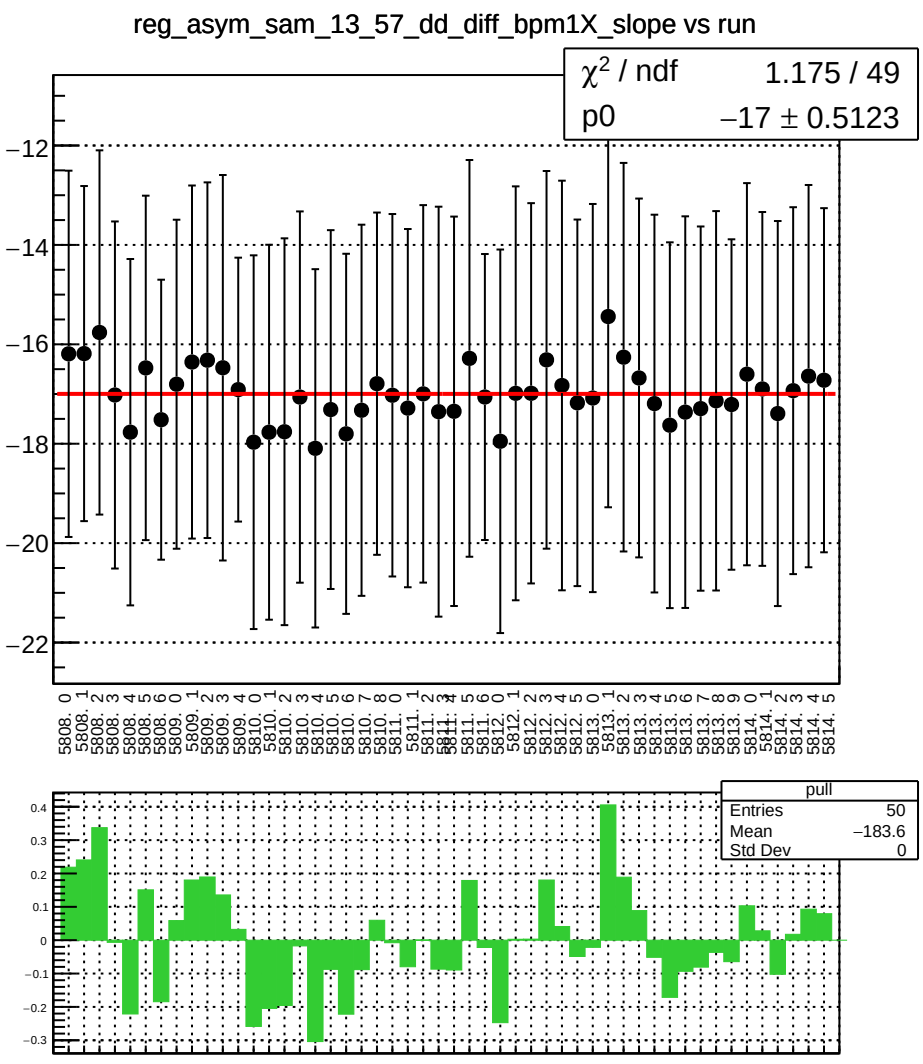

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.666 / 49
p0 30.85 ± 1.308
pull
Entries 50
Mean 333.5
Std Dev 0

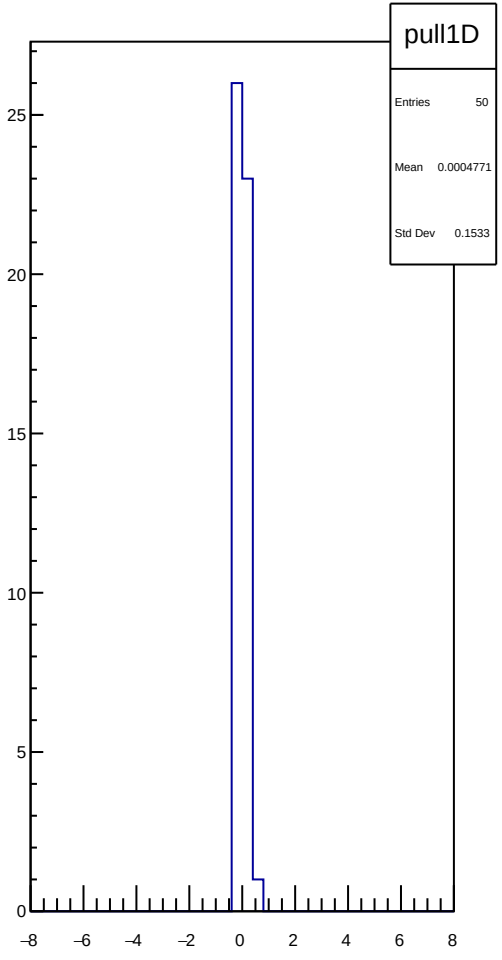

pull1D
Entries 50
Mean 0.005
Std Dev 0.2707

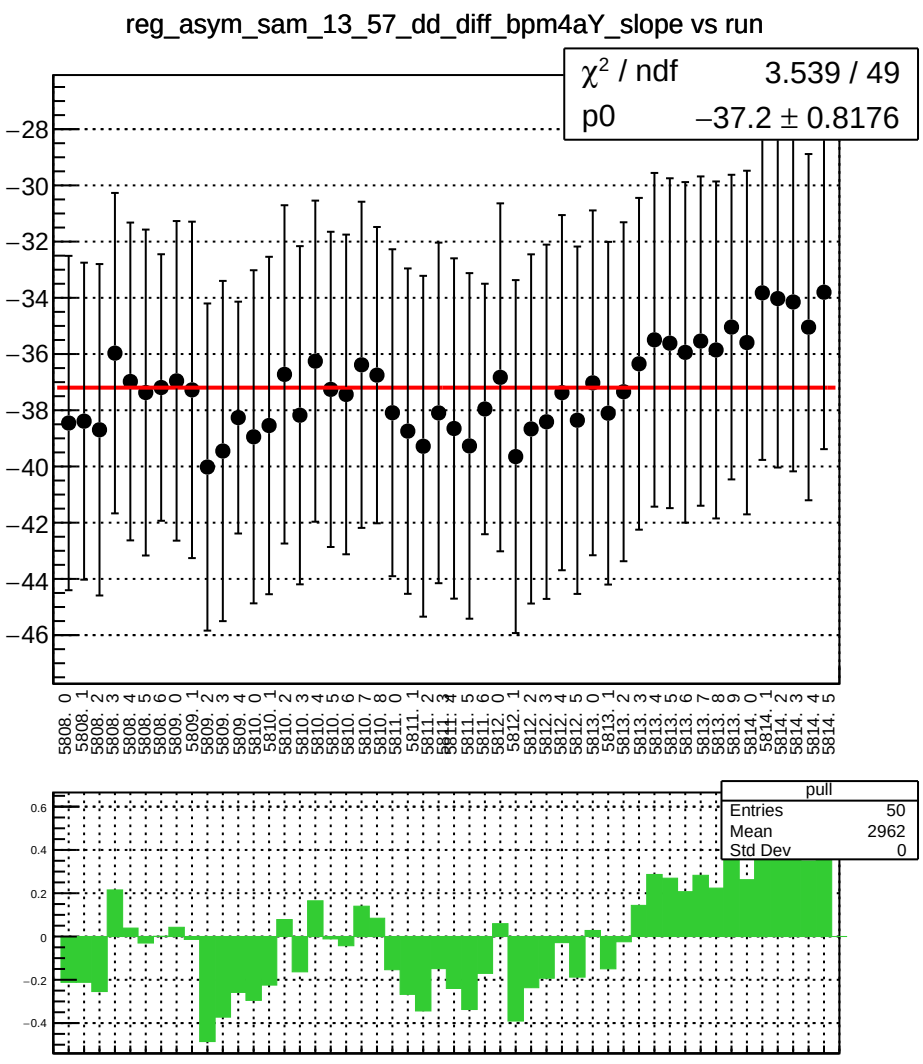

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.142 / 49
p0 −39.1 ± 1.173
−30
−35
−40
−45
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 603.8
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 50
Mean −0.001722
Std Dev 0.1511
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

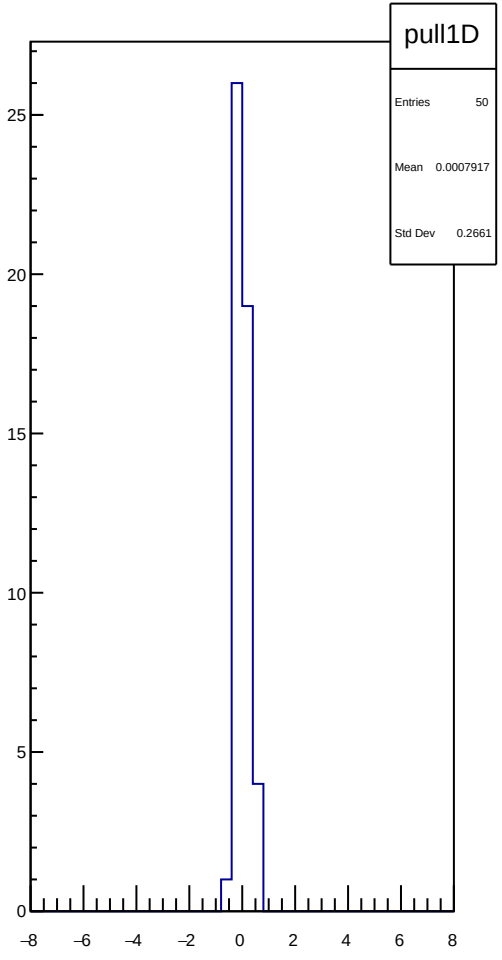

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.334 / 49
p0 49.03 ± 1.431
pull
Entries 50
Mean 586
Std Dev 0
pull1D
Entries 50
Mean −0.002051
Std Dev 0.2161

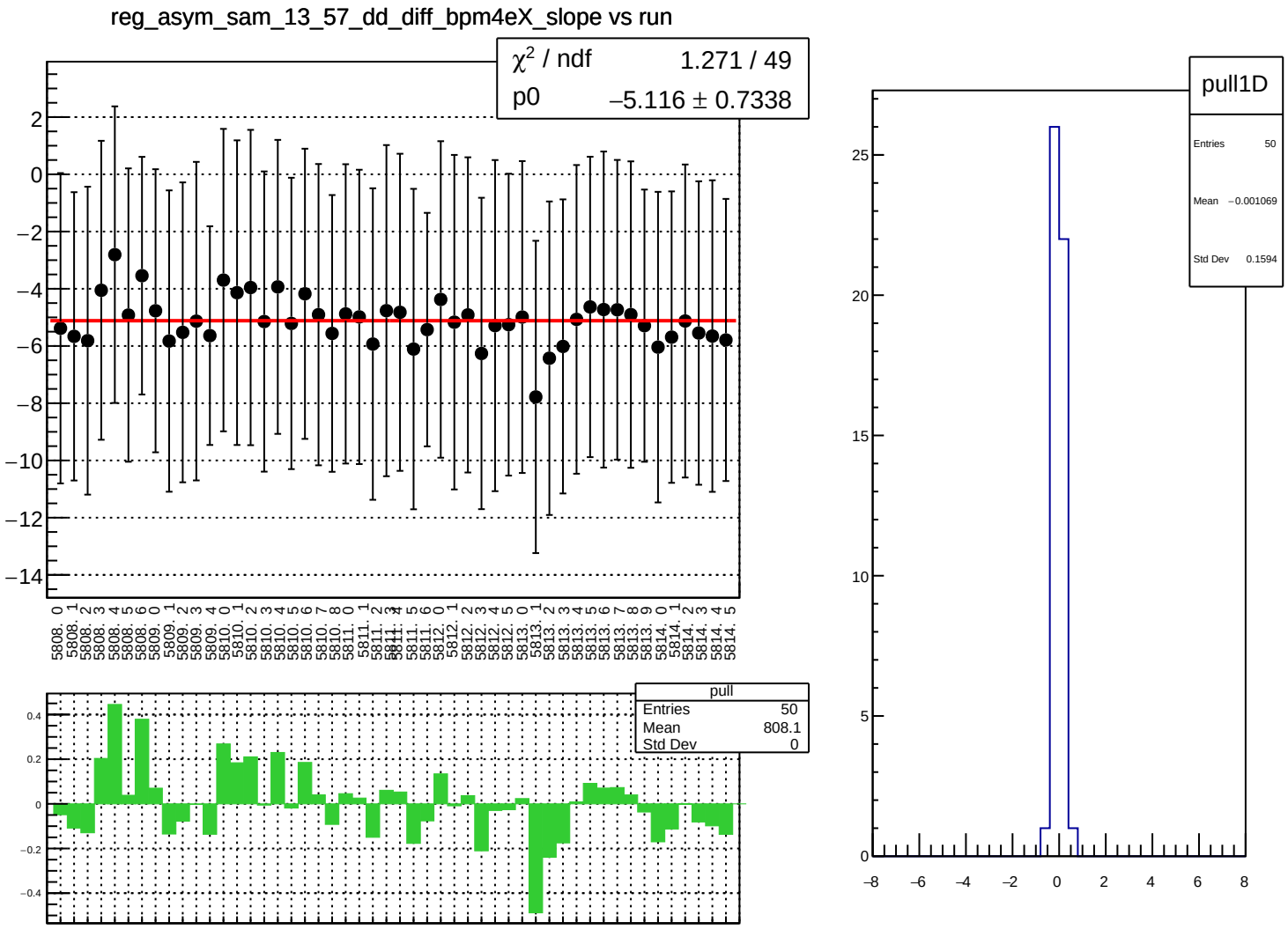

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.202 / 49
p0 −0.009298 ± 0.08976
pull
Entries 50
Mean −426
Std Dev 0
pull1D
Entries 50
Mean −0.001968
Std Dev 0.155

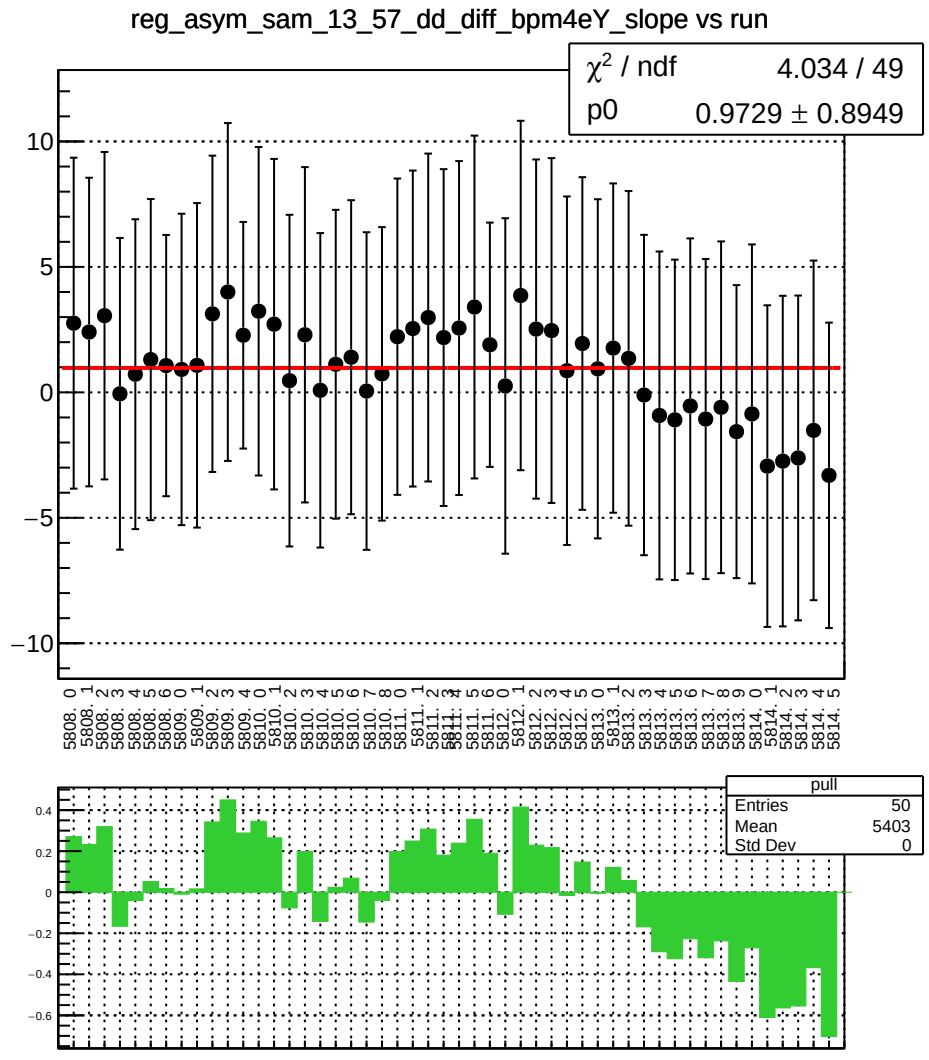

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 1.175 / 49
p0 −17 ± 0.5123
pull
Entries 50
Mean −183.6
Std Dev 0

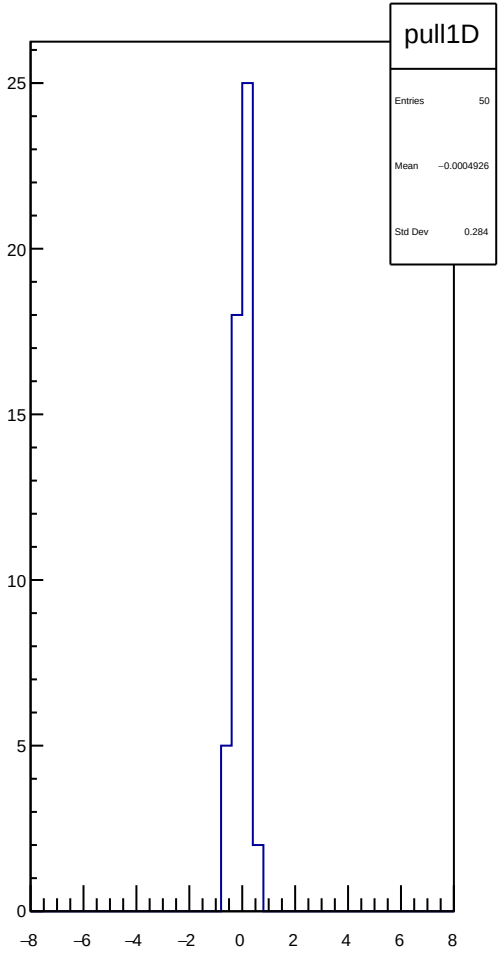

pull1D
Entries 50
Mean 0.0004771
Std Dev 0.1533

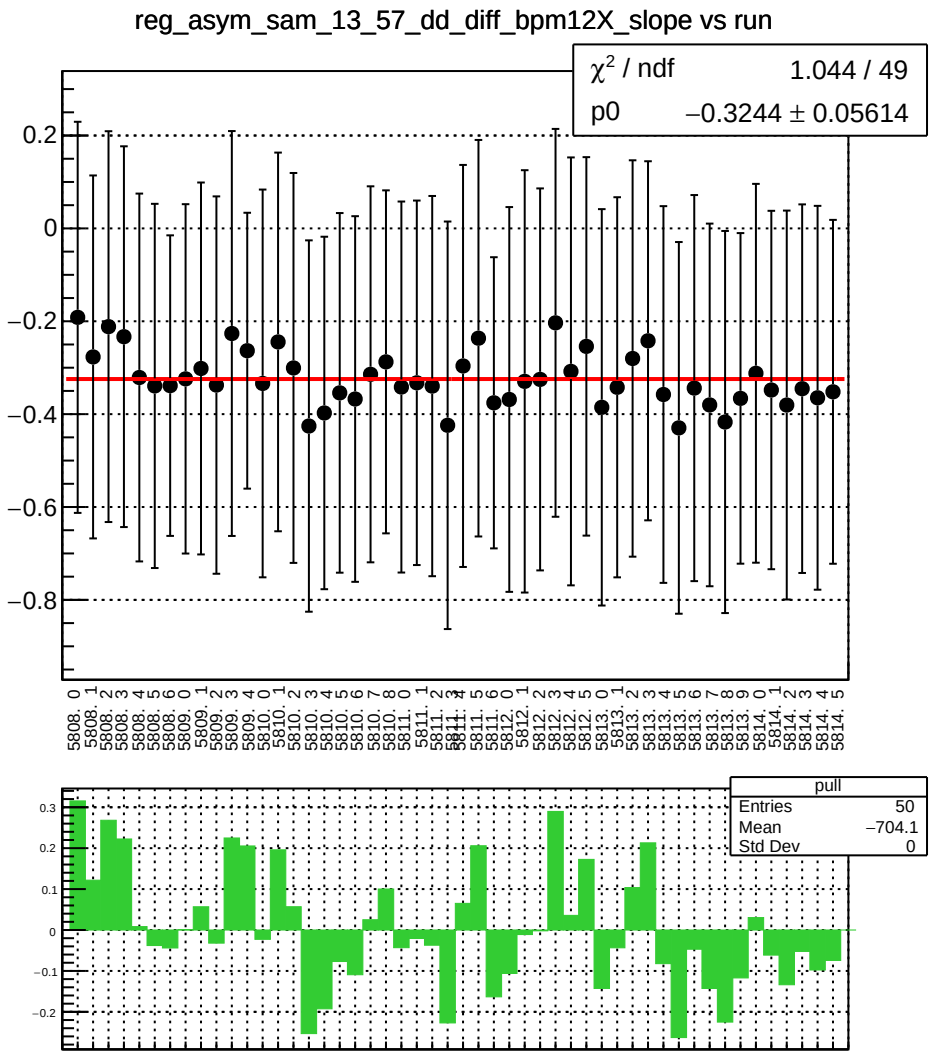

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.539 / 49
p0 −37.2 ± 0.8176
pull
Entries 50
Mean 2962
Std Dev 0

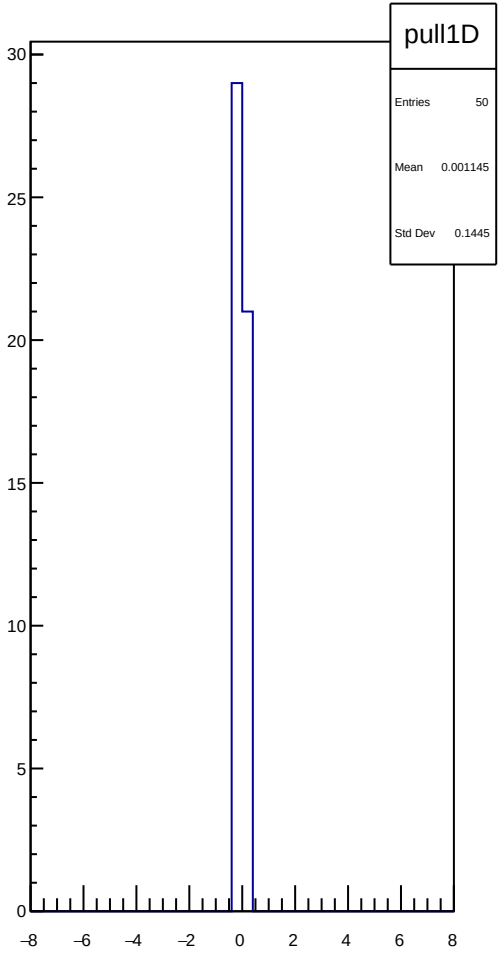

pull1D
Entries 50
Mean 0.0007917
Std Dev 0.2661

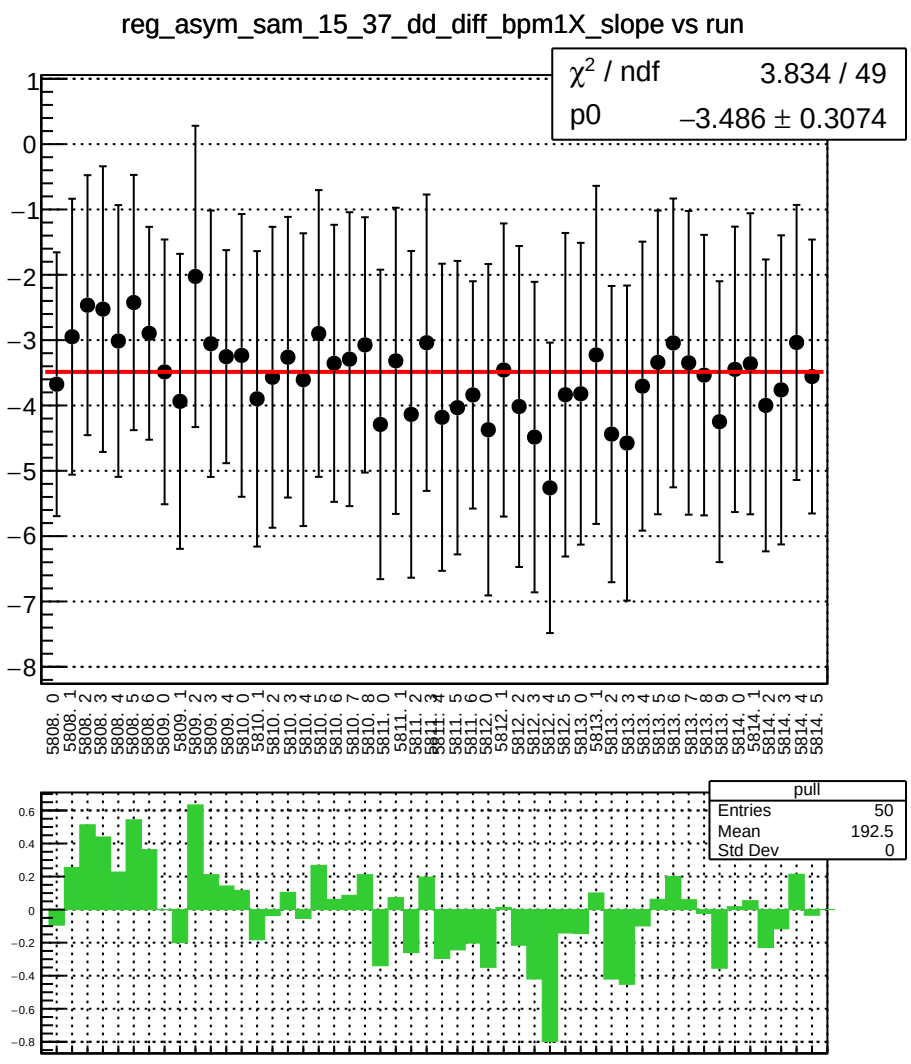

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.271 / 49
p0 −5.116 ± 0.7338
pull
Entries 50
Mean 808.1
Std Dev 0
pull1D
Entries 50
Mean −0.001069
Std Dev 0.1594

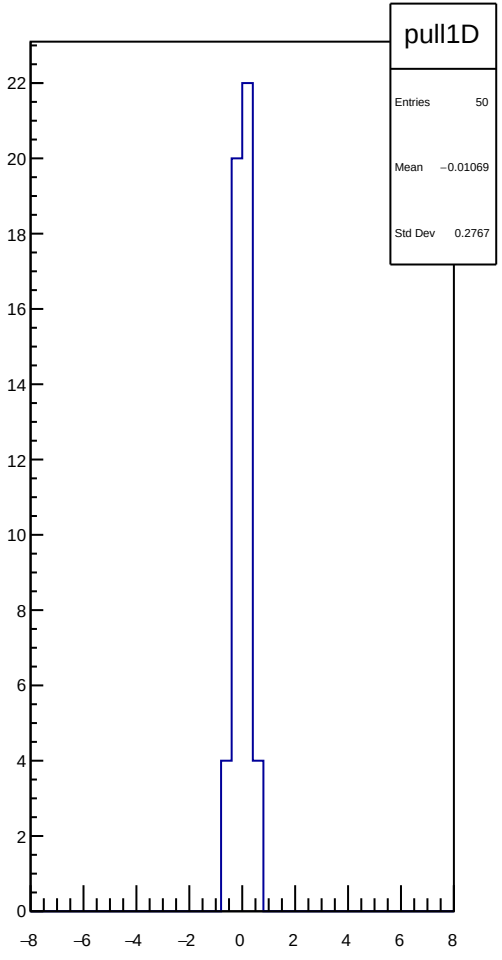

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.034 / 49
p0 0.9729 ± 0.8949
pull
Entries 50
Mean 5403
Std Dev 0

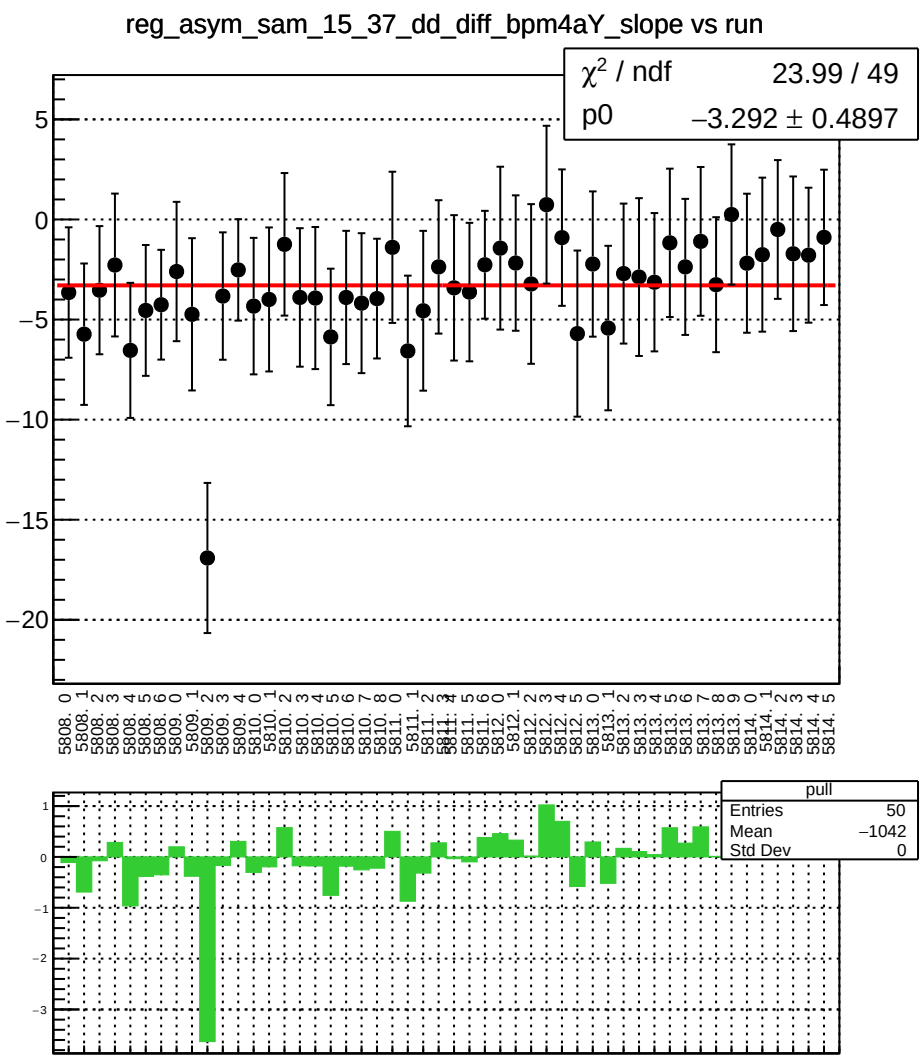

pull1D
Entries 50
Mean −0.0004926
Std Dev 0.284

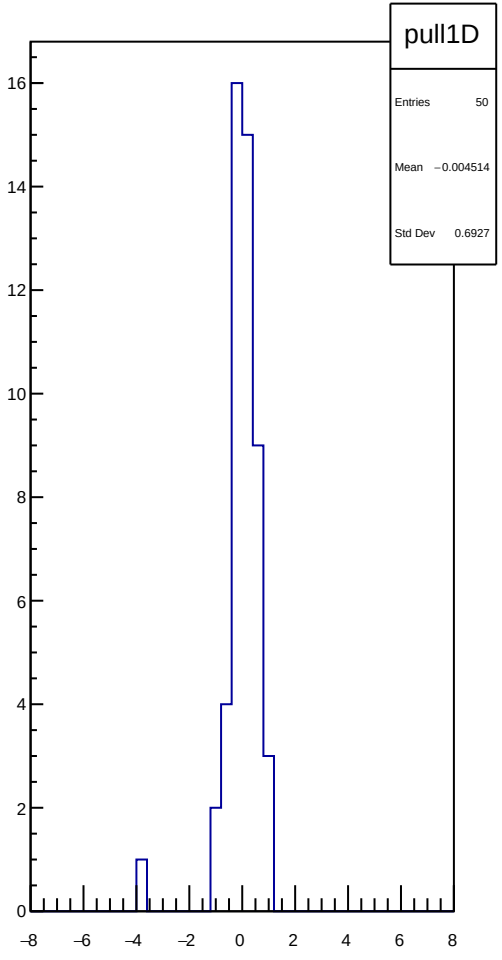

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.044 / 49
p0 −0.3244 ± 0.05614
pull
Entries 50
Mean −704.1
Std Dev 0

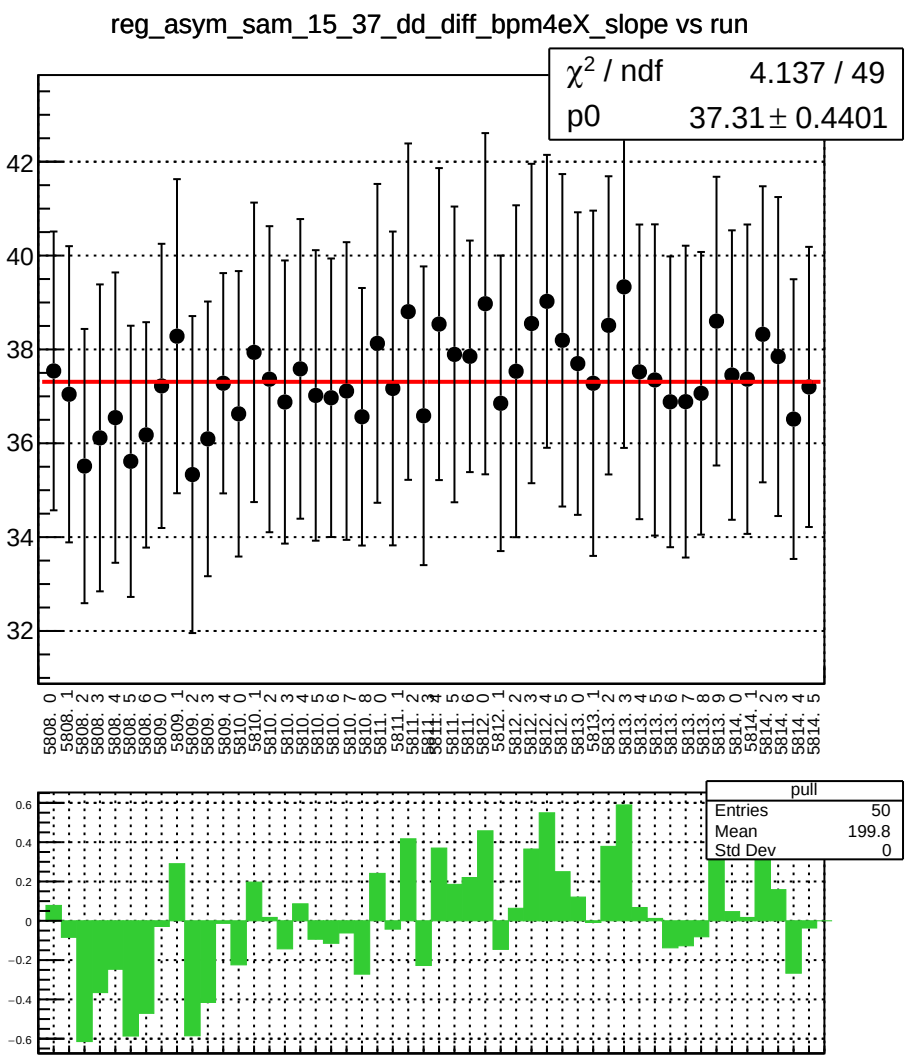

pull1D
Entries 50
Mean 0.001145
Std Dev 0.1445

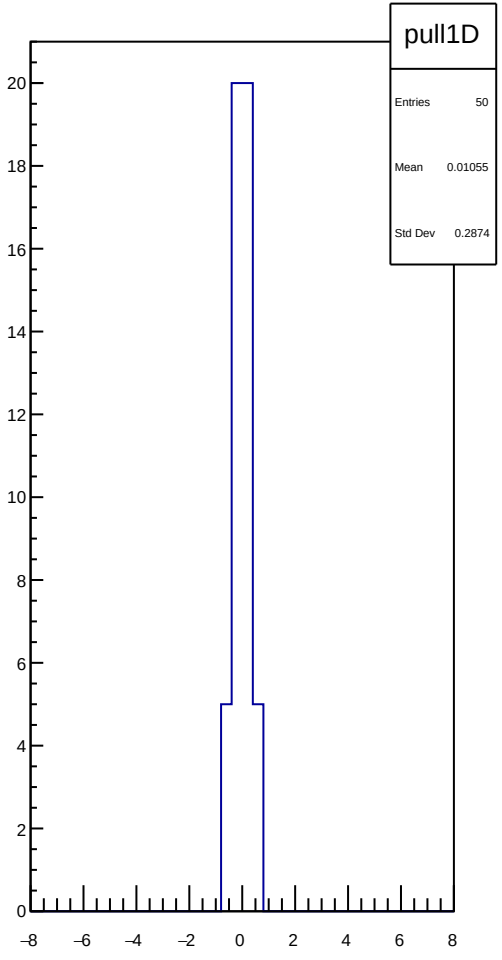

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 3.834 / 49
p0 −3.486 ± 0.3074
pull
Entries 50
Mean 192.5
Std Dev 0

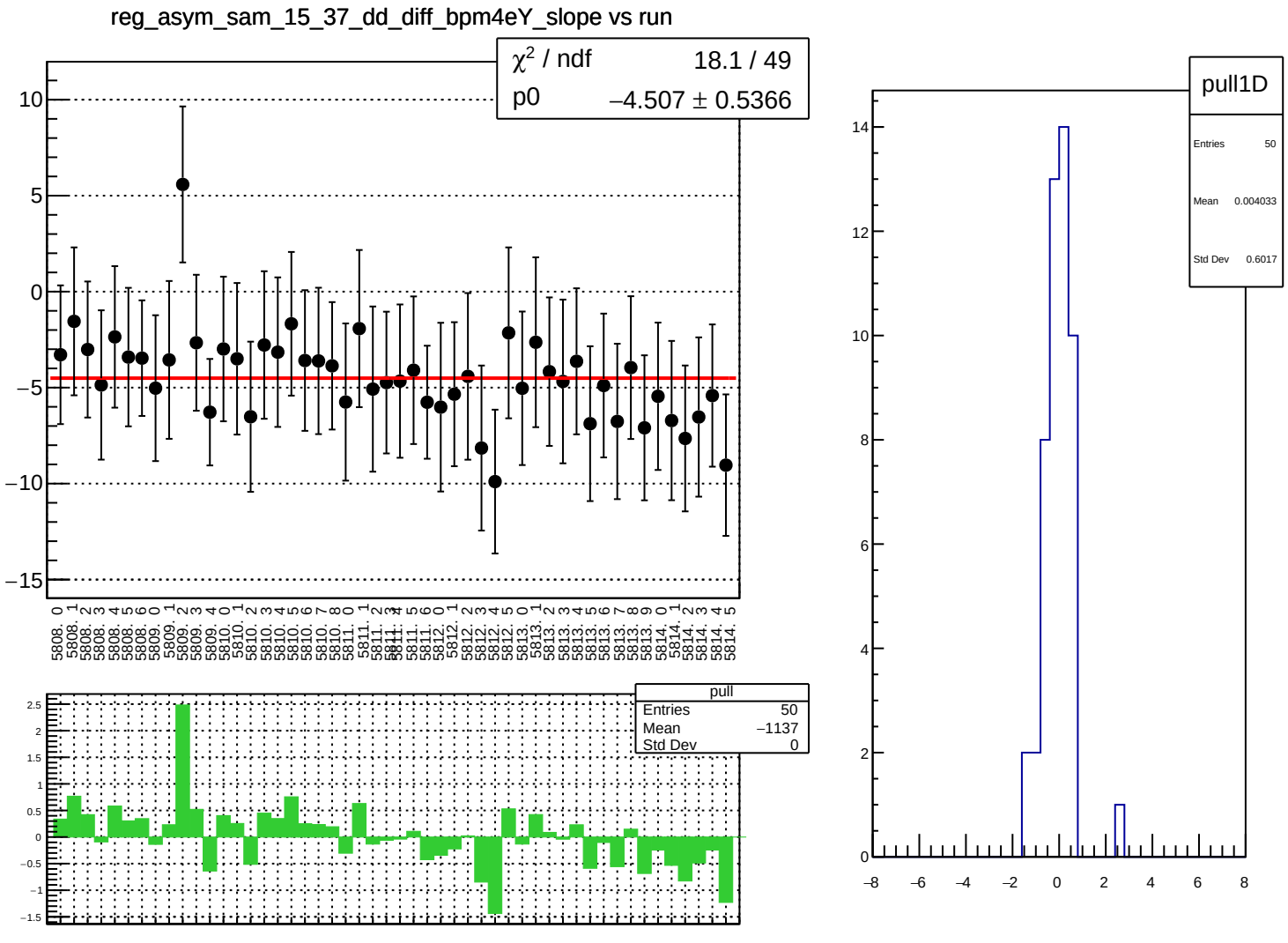

pull1D
Entries 50
Mean −0.01069
Std Dev 0.2767

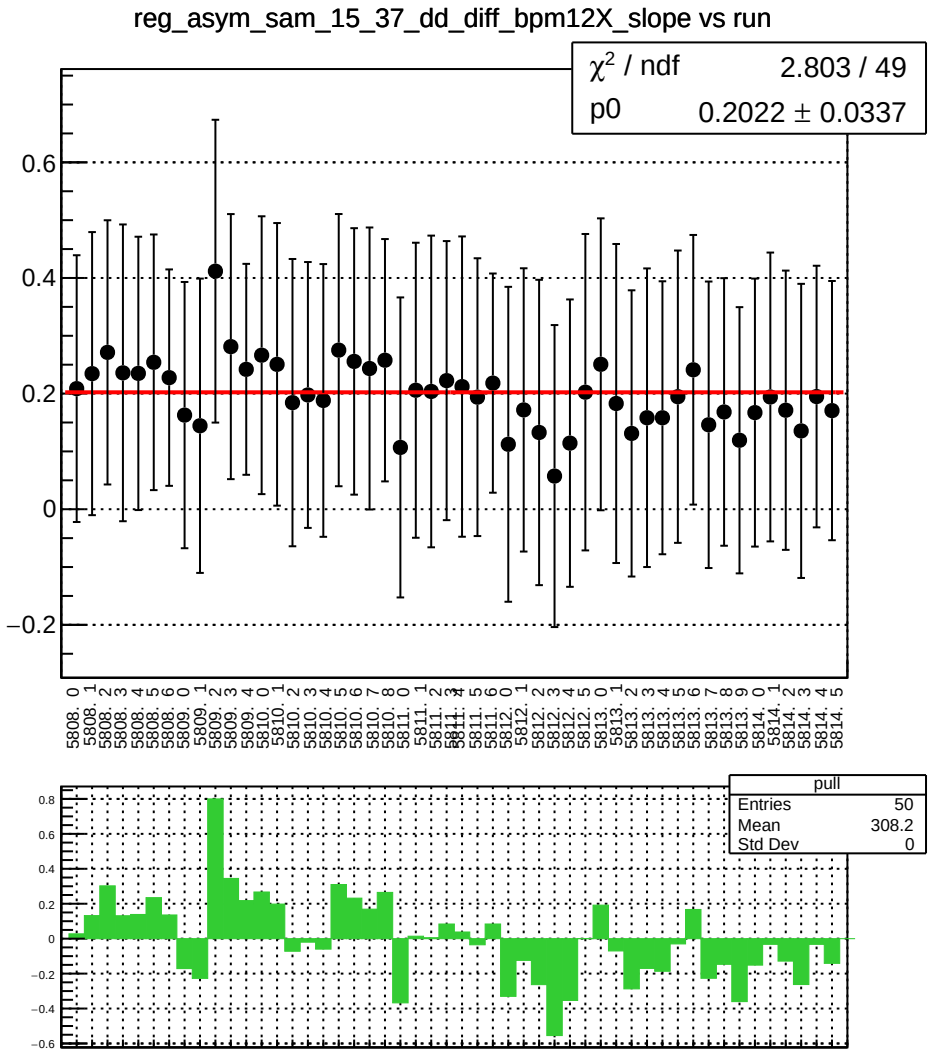

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.99 / 49
p0 −3.292 ± 0.4897
pull
Entries 50
Mean −1042
Std Dev 0

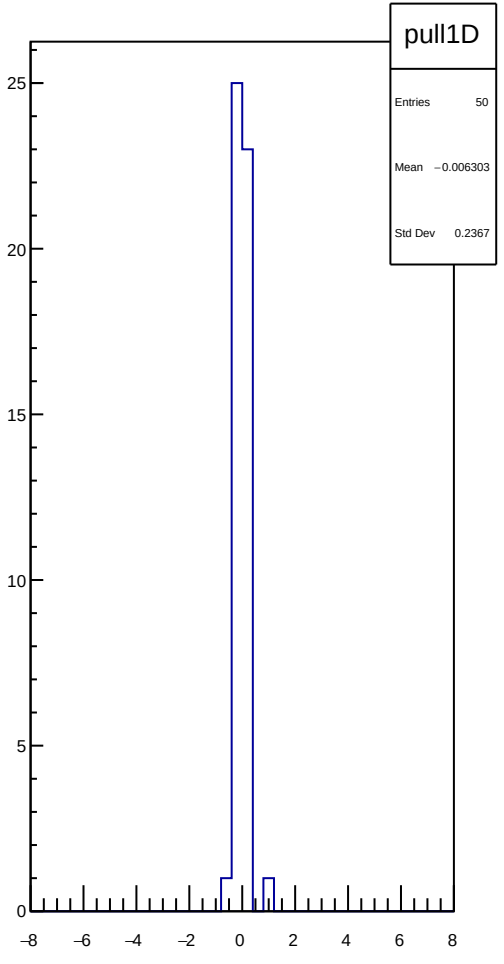

pull1D
Entries 50
Mean −0.004514
Std Dev 0.6927

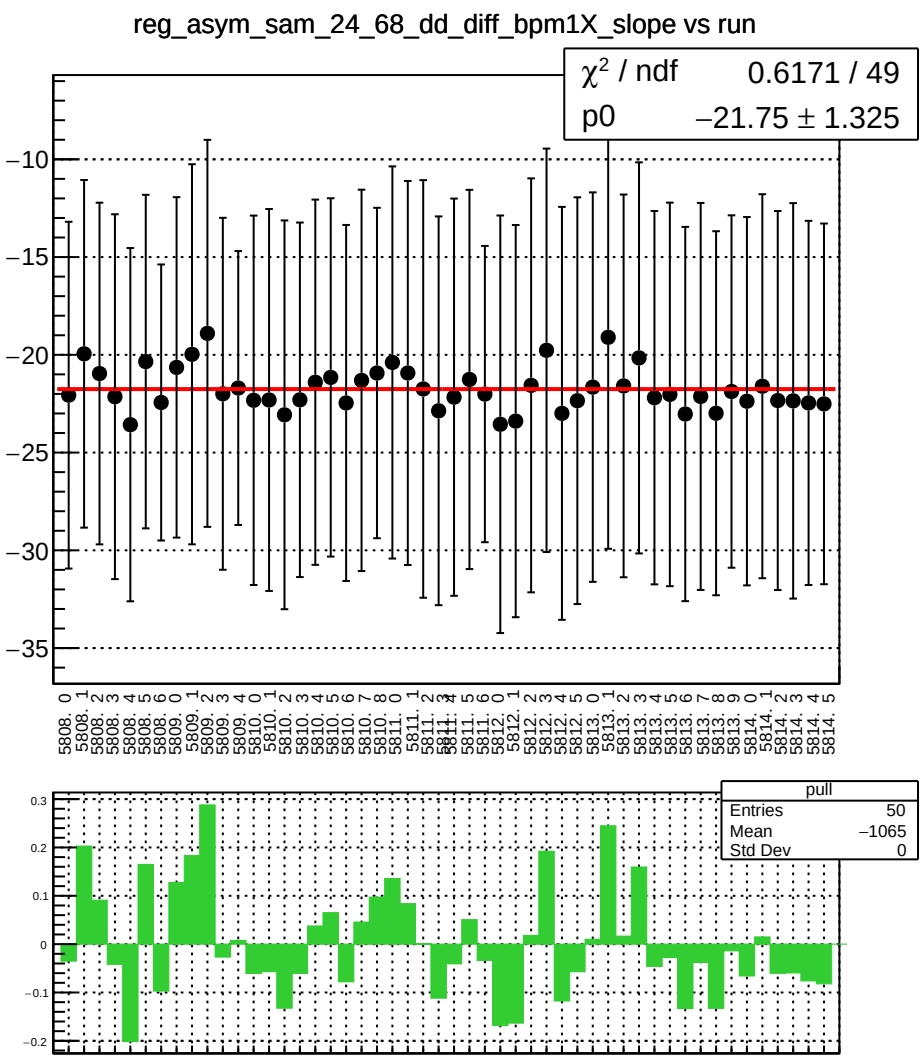

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.137 / 49
p0 37.31 ± 0.4401
pull
Entries 50
Mean 199.8
Std Dev 0

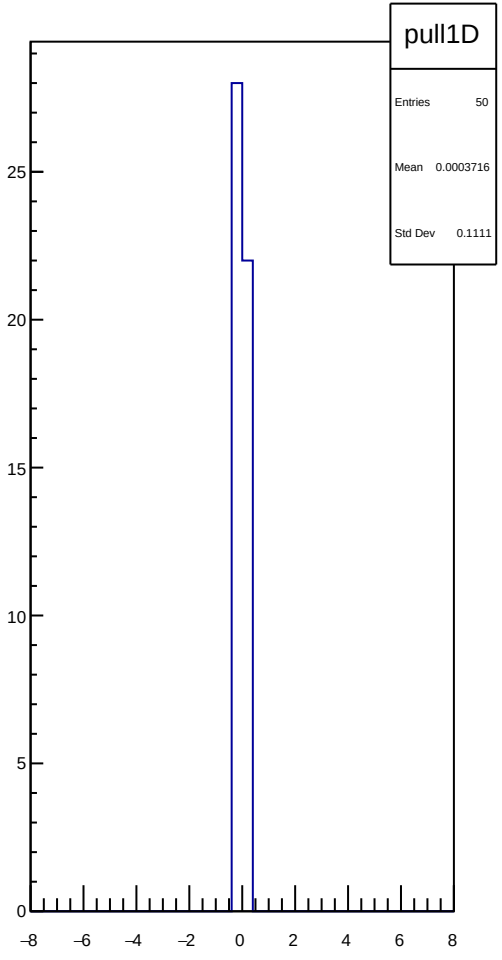

pull1D
Entries 50
Mean 0.01055
Std Dev 0.2874

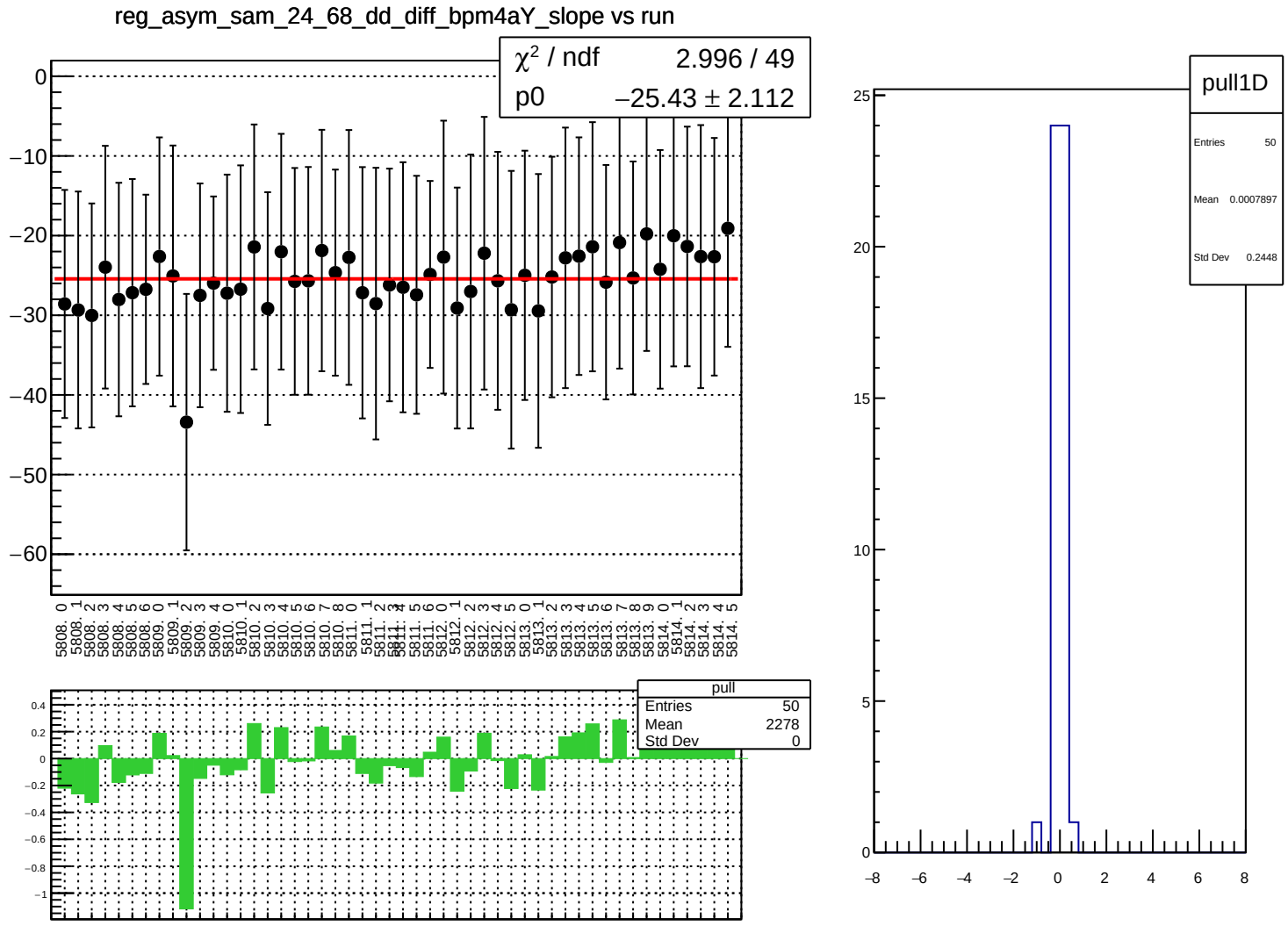

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.1 / 49
p0 −4.507 ± 0.5366
pull
Entries 50
Mean −1137
Std Dev 0
pull1D
Entries 50
Mean 0.004033
Std Dev 0.6017

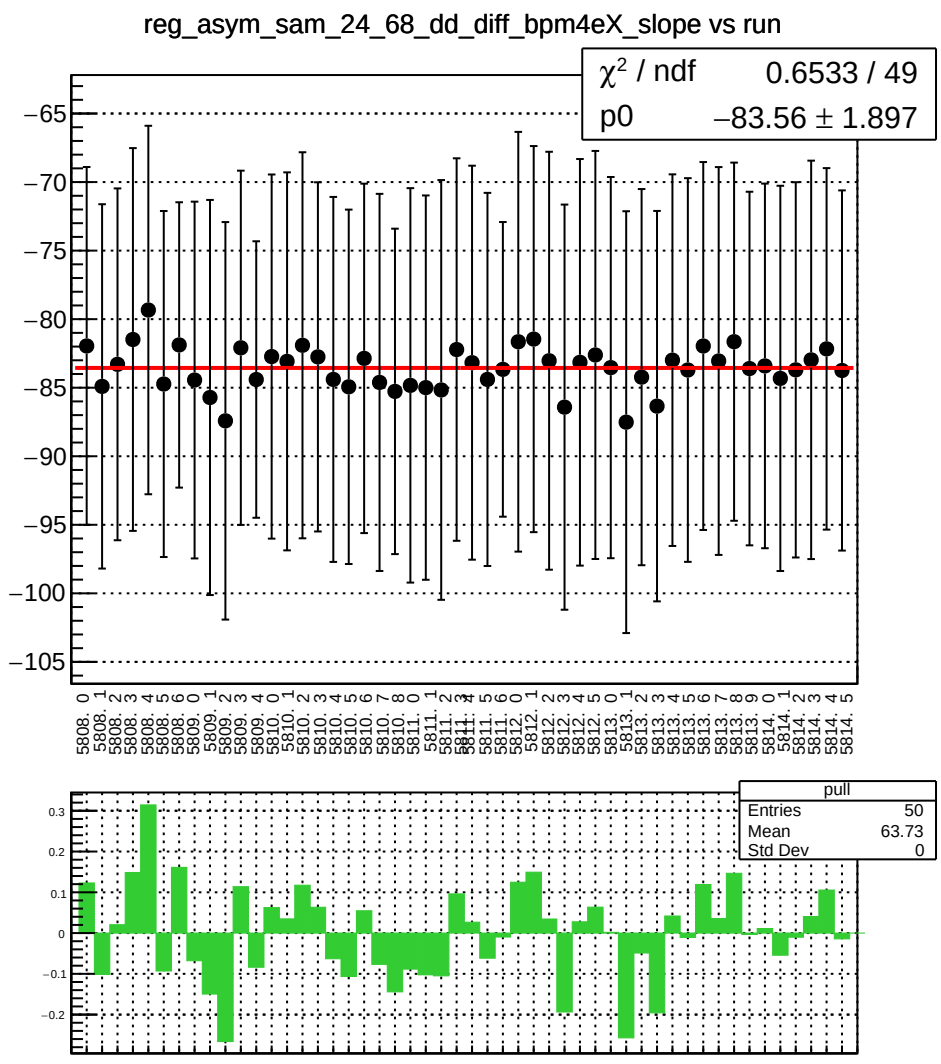

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 2.803 / 49
p0 0.2022 ± 0.0337
pull
Entries 50
Mean 308.2
Std Dev 0

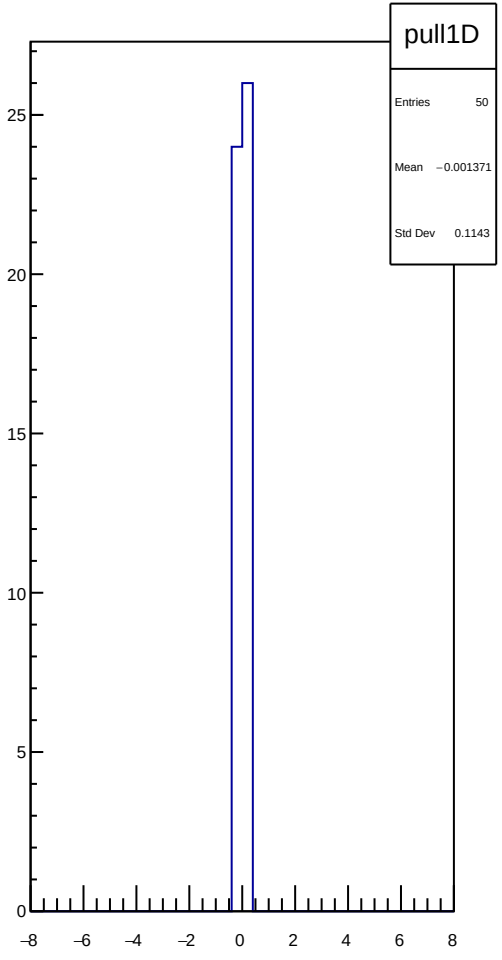

pull1D
Entries 50
Mean −0.006303
Std Dev 0.2367

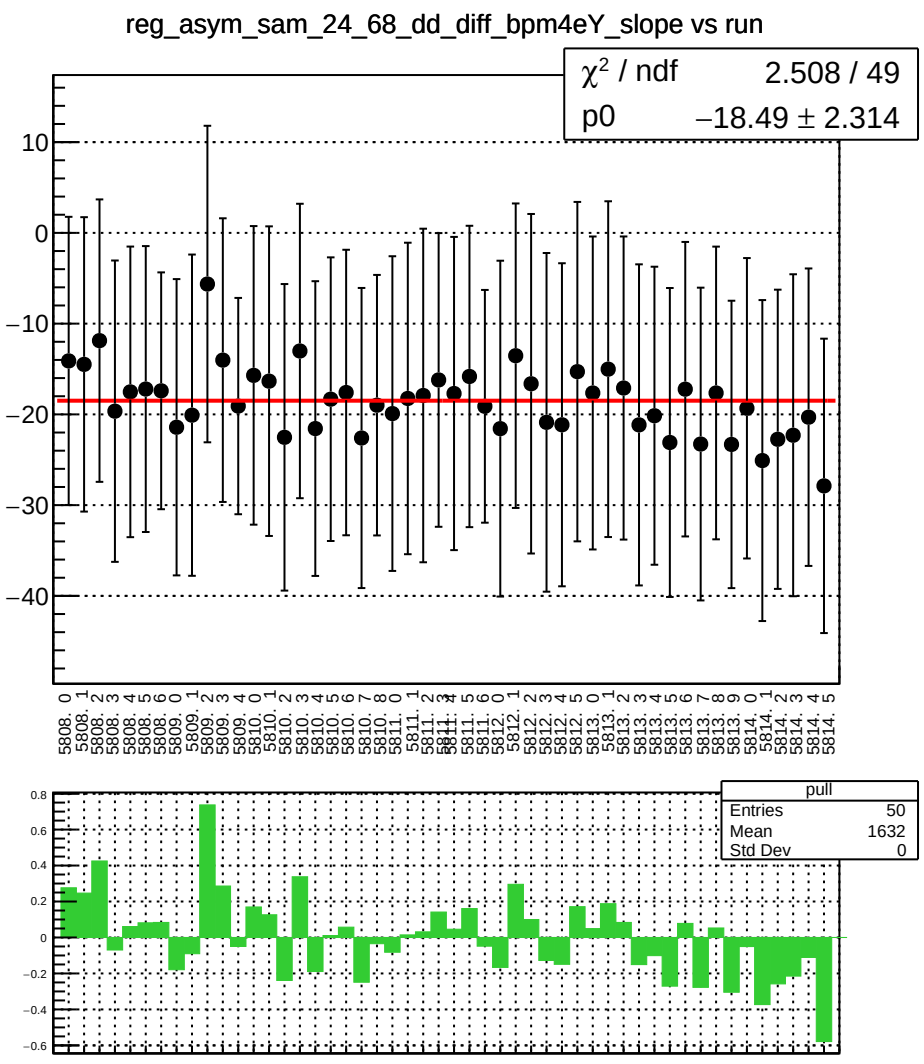

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.6171 / 49
p0 −21.75 ± 1.325
pull
Entries 50
Mean −1065
Std Dev 0

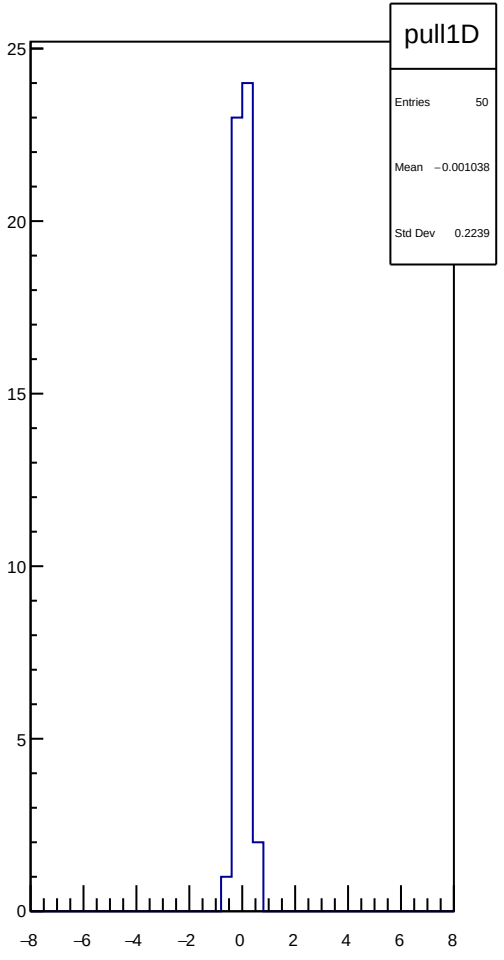

pull1D
Entries 50
Mean 0.0003716
Std Dev 0.1111

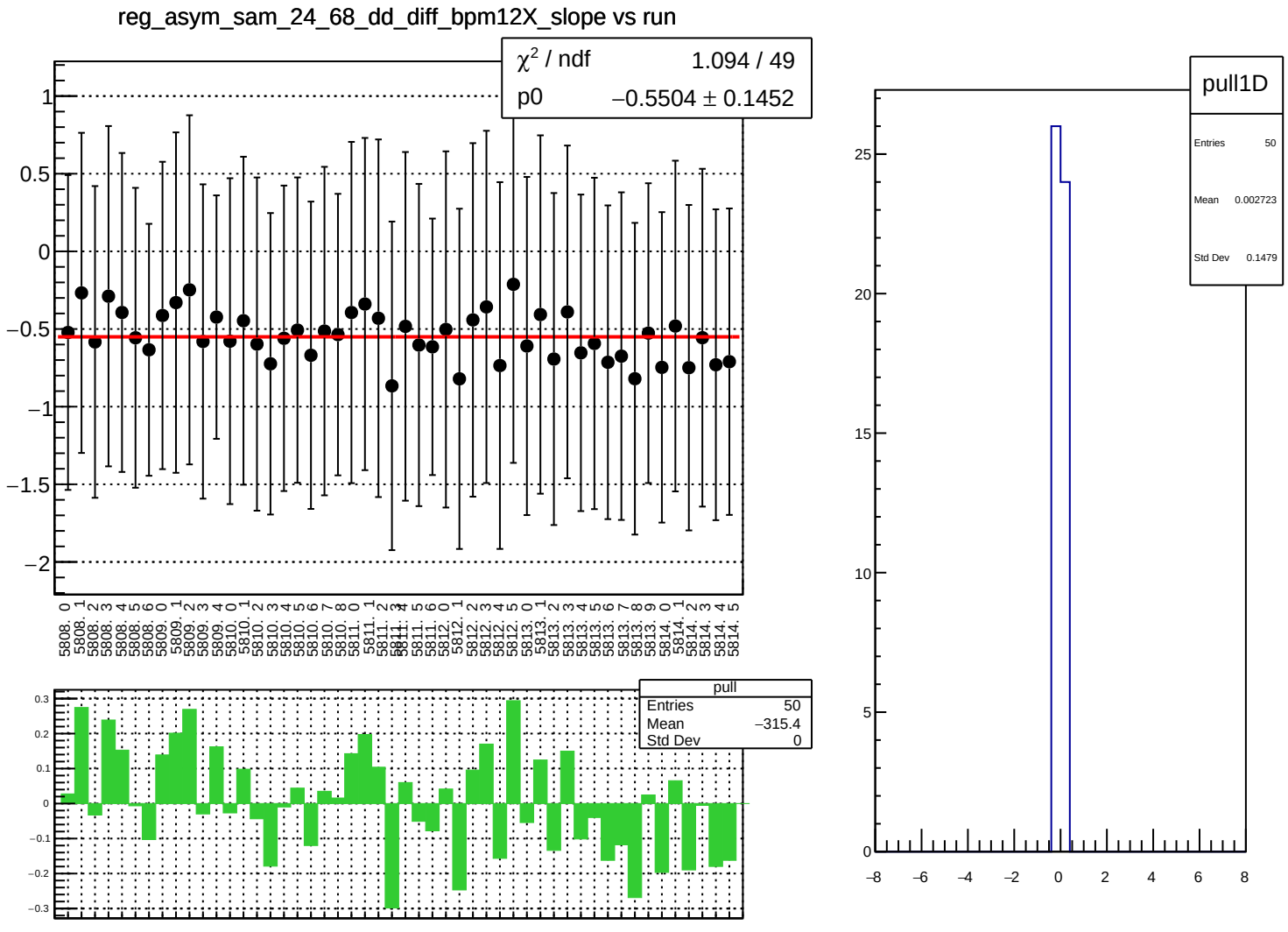

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.996 / 49
p0 −25.43 ± 2.112
pull
Entries 50
Mean 2278
Std Dev 0
pull1D
Entries 50
Mean 0.0007897
Std Dev 0.2448

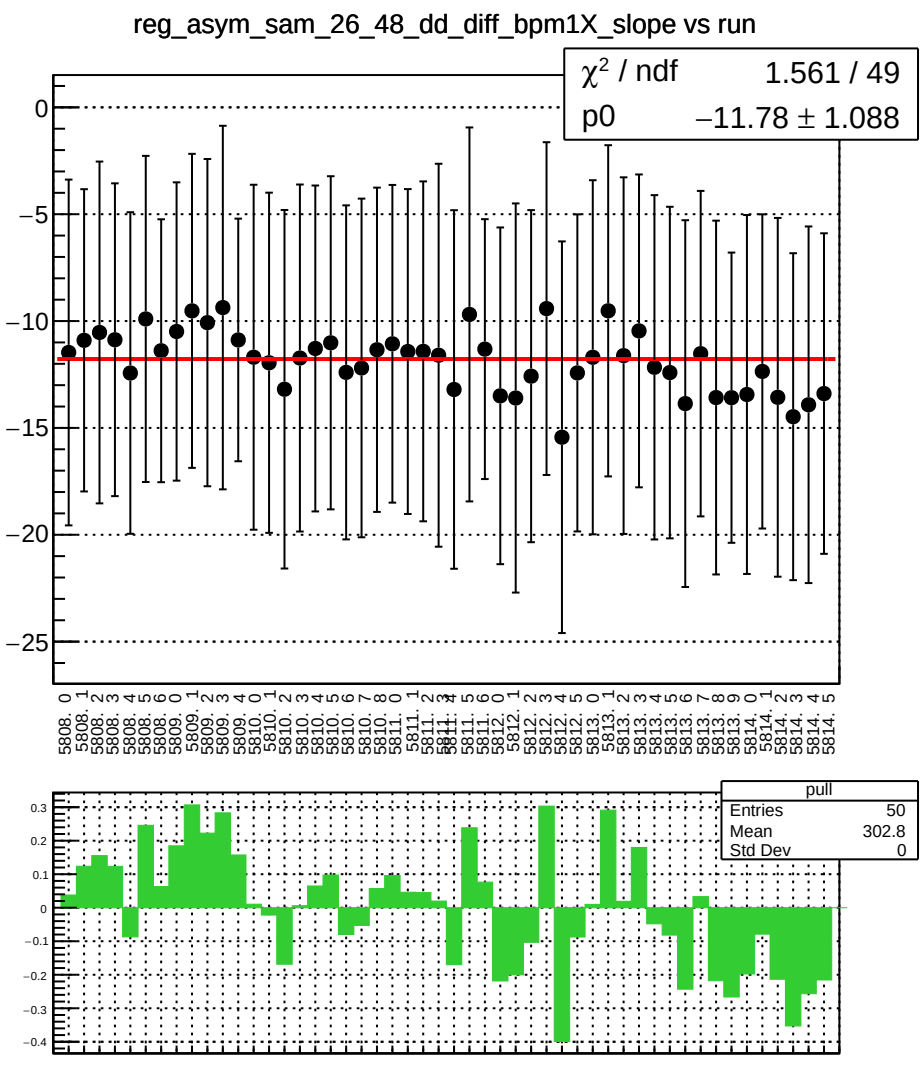

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.6533 / 49
p0 −83.56 ± 1.897
pull
Entries 50
Mean 63.73
Std Dev 0

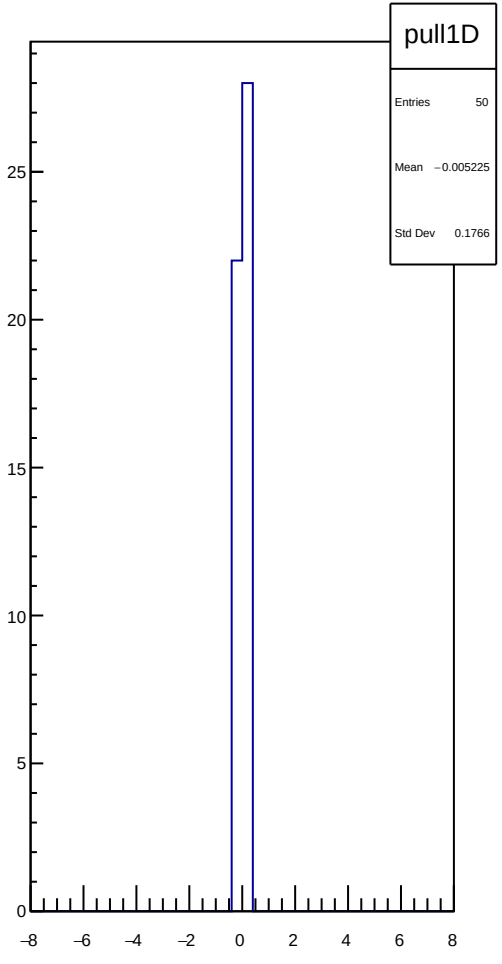

pull1D
Entries 50
Mean −0.001371
Std Dev 0.1143

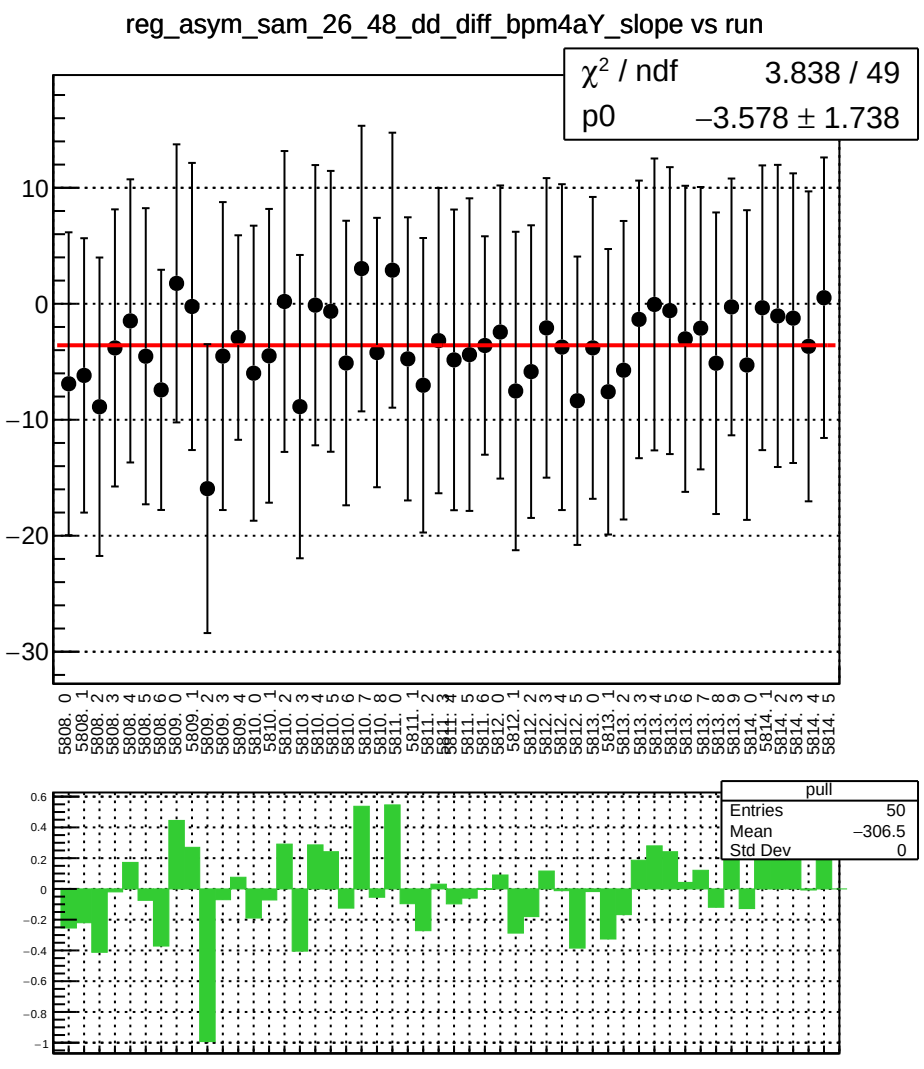

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.508 / 49
p0 −18.49 ± 2.314
pull
Entries 50
Mean 1632
Std Dev 0

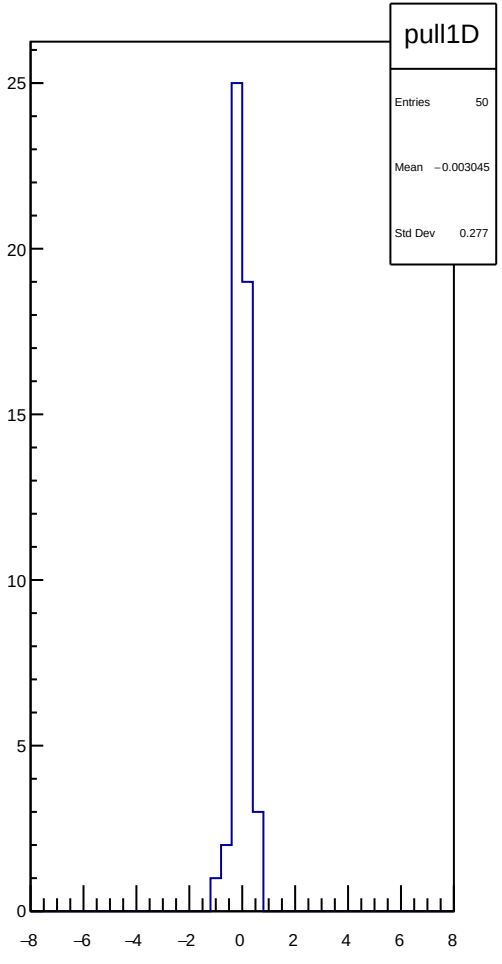

pull1D
Entries 50
Mean −0.001038
Std Dev 0.2239

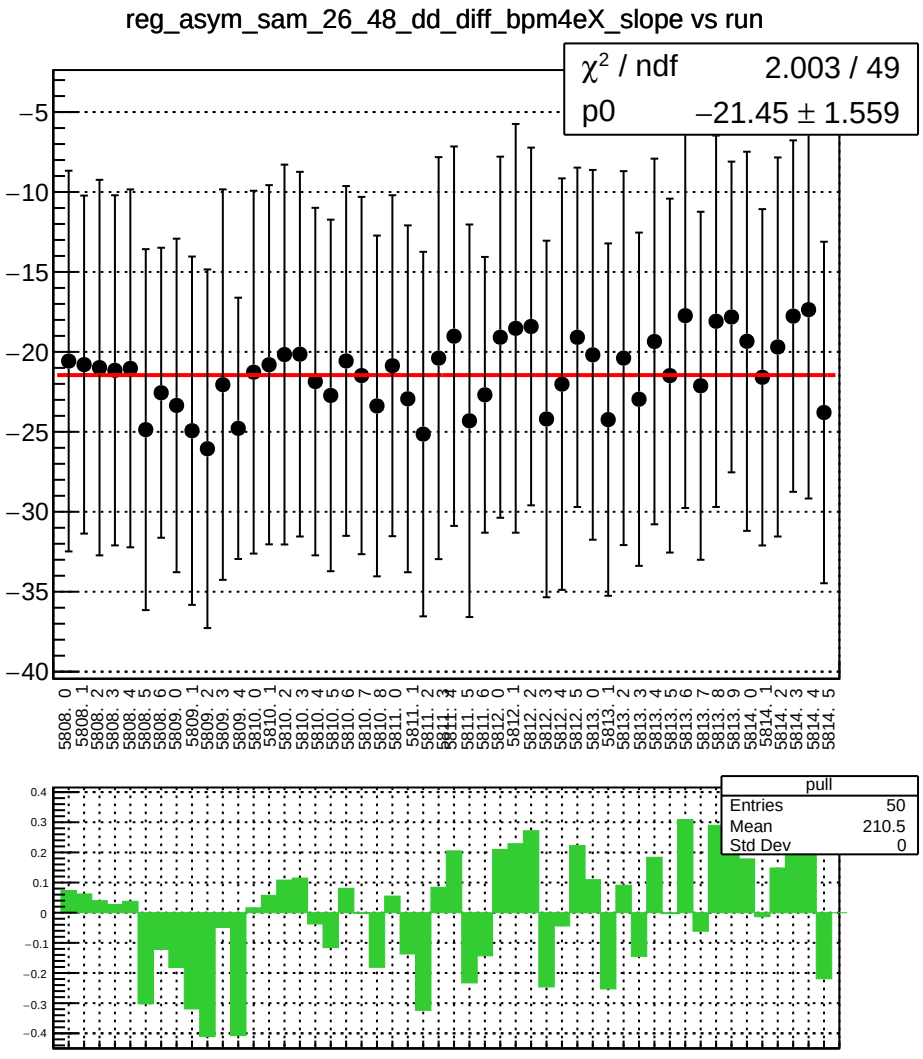

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 1.094 / 49
p0 −0.5504 ± 0.1452
pull
Entries 50
Mean −315.4
Std Dev 0
pull1D
Entries 50
Mean 0.002723
Std Dev 0.1479

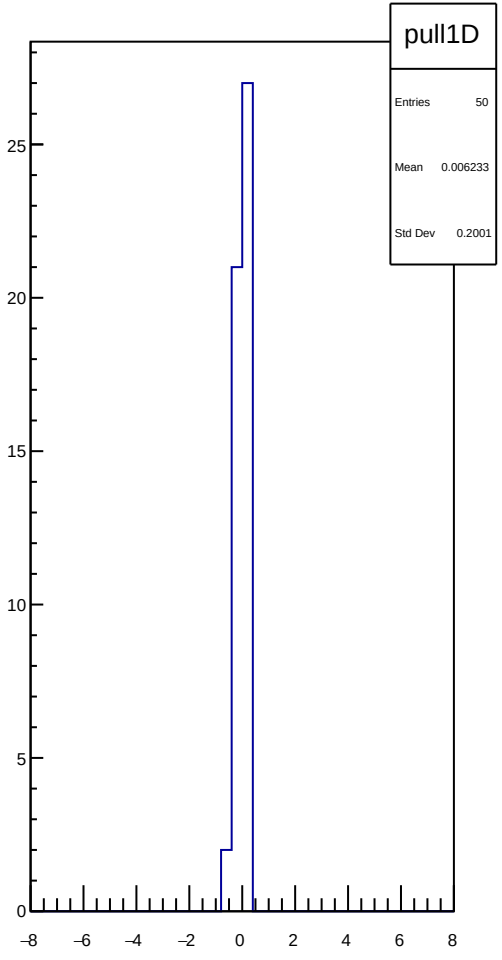

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.561 / 49
p0 −11.78 ± 1.088
pull
Entries 50
Mean 302.8
Std Dev 0

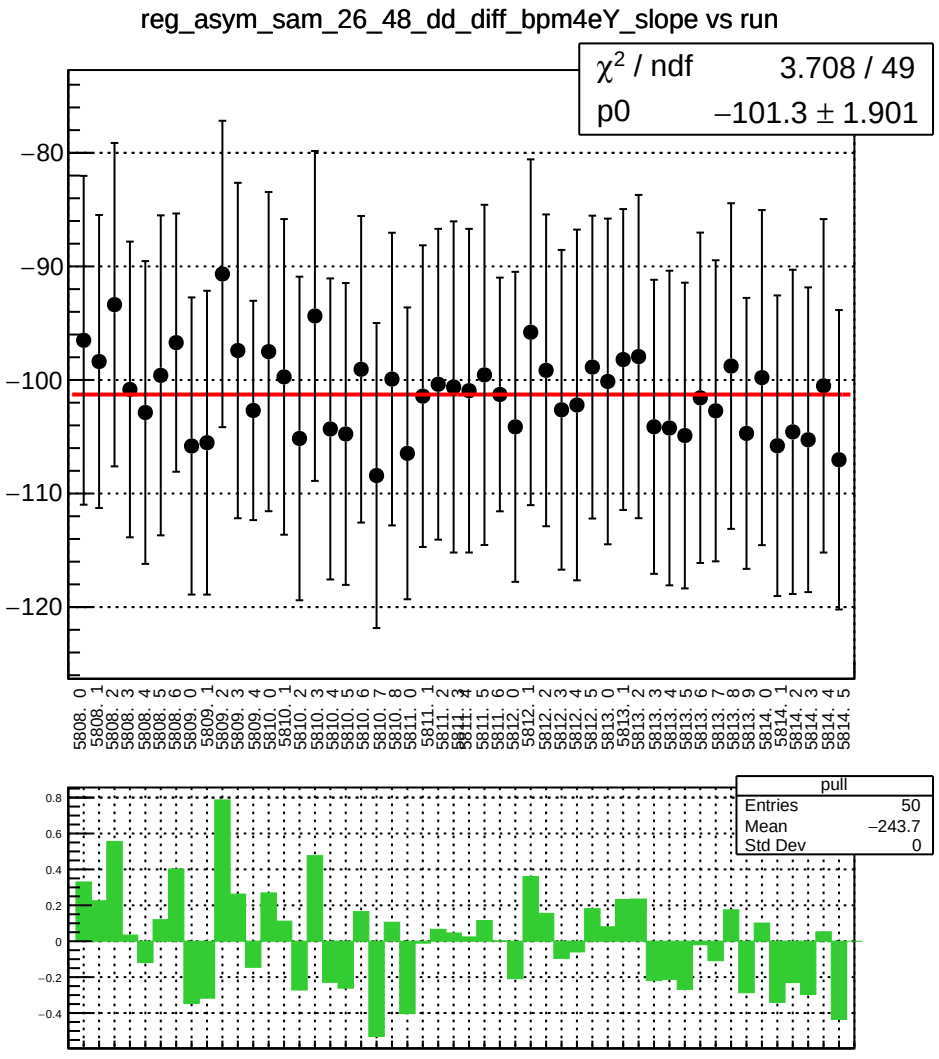

pull1D
Entries 50
Mean −0.005225
Std Dev 0.1766

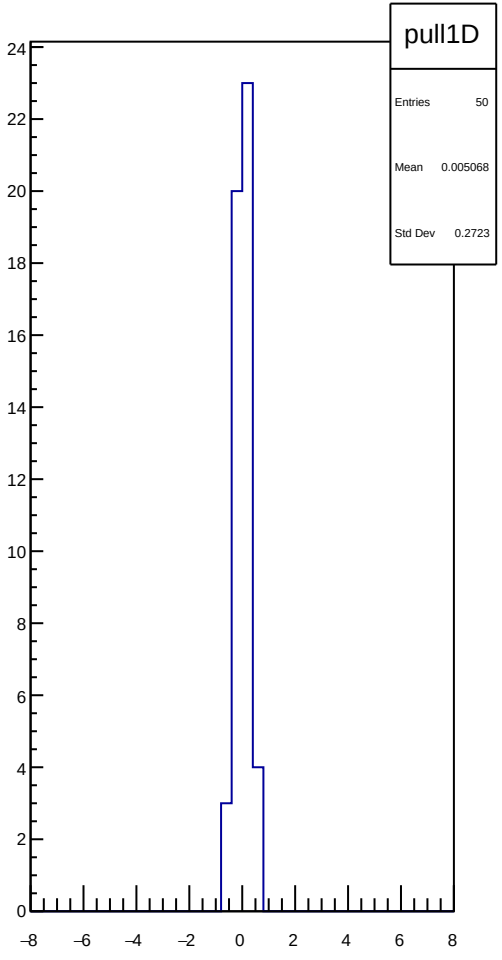

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.838 / 49
p0 −3.578 ± 1.738
pull
Entries 50
Mean −306.5
Std Dev 0

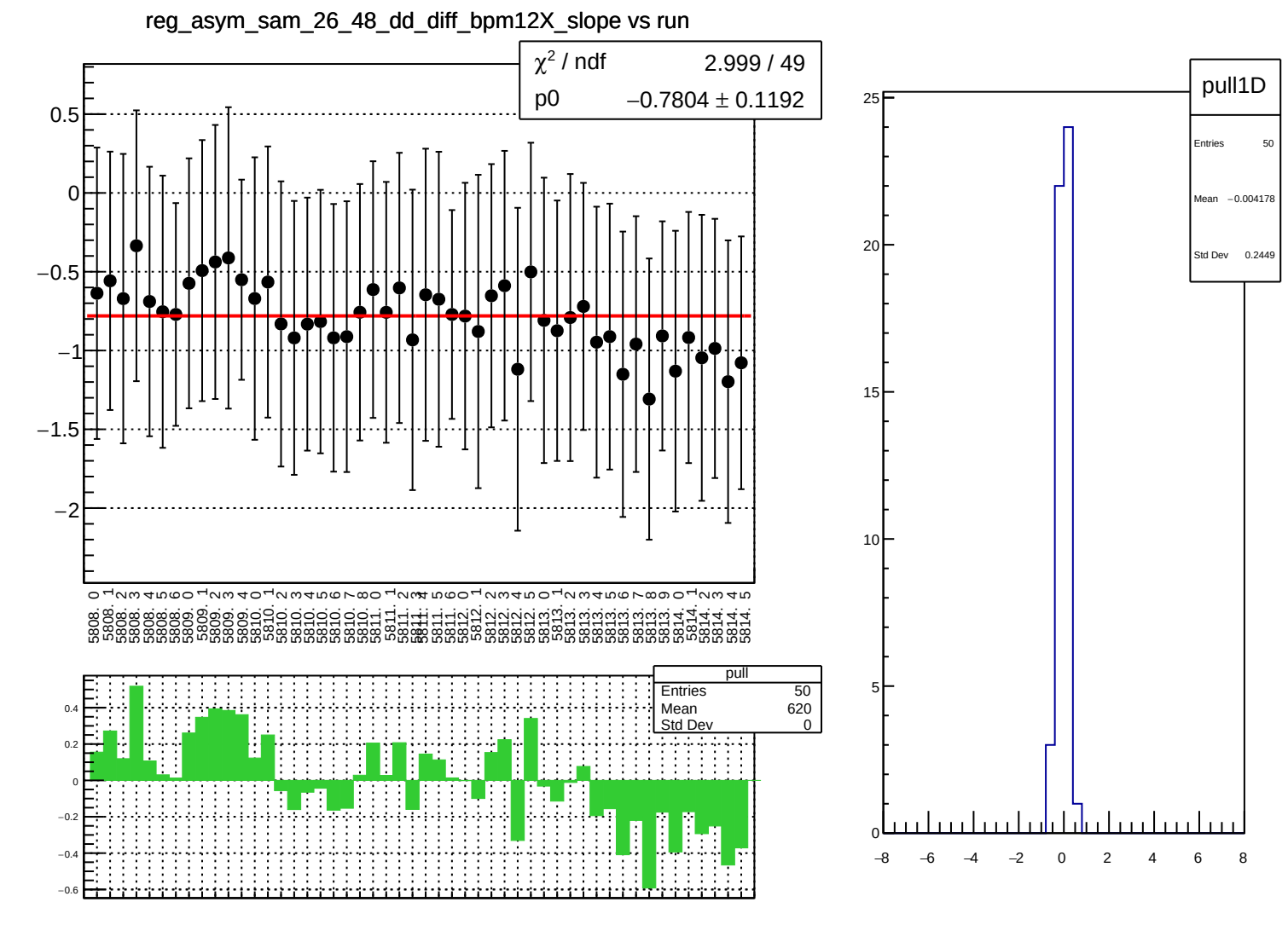

pull1D
Entries 50
Mean −0.003045
Std Dev 0.277

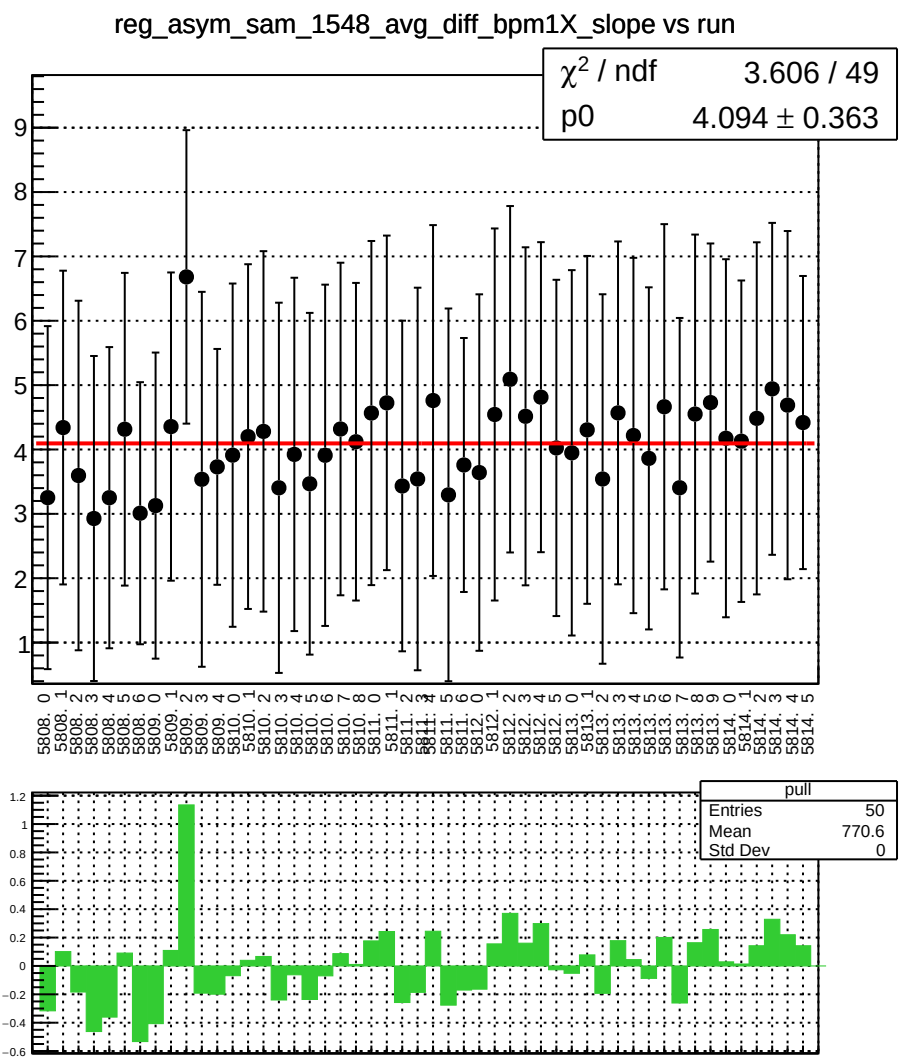

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.003 / 49
p0 −21.45 ± 1.559
pull
Entries 50
Mean 210.5
Std Dev 0

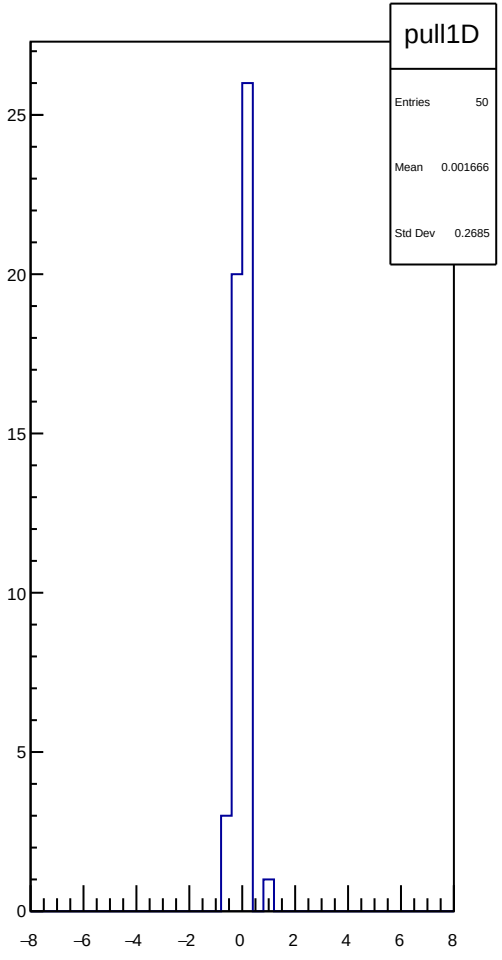

pull1D
Entries 50
Mean 0.006233
Std Dev 0.2001

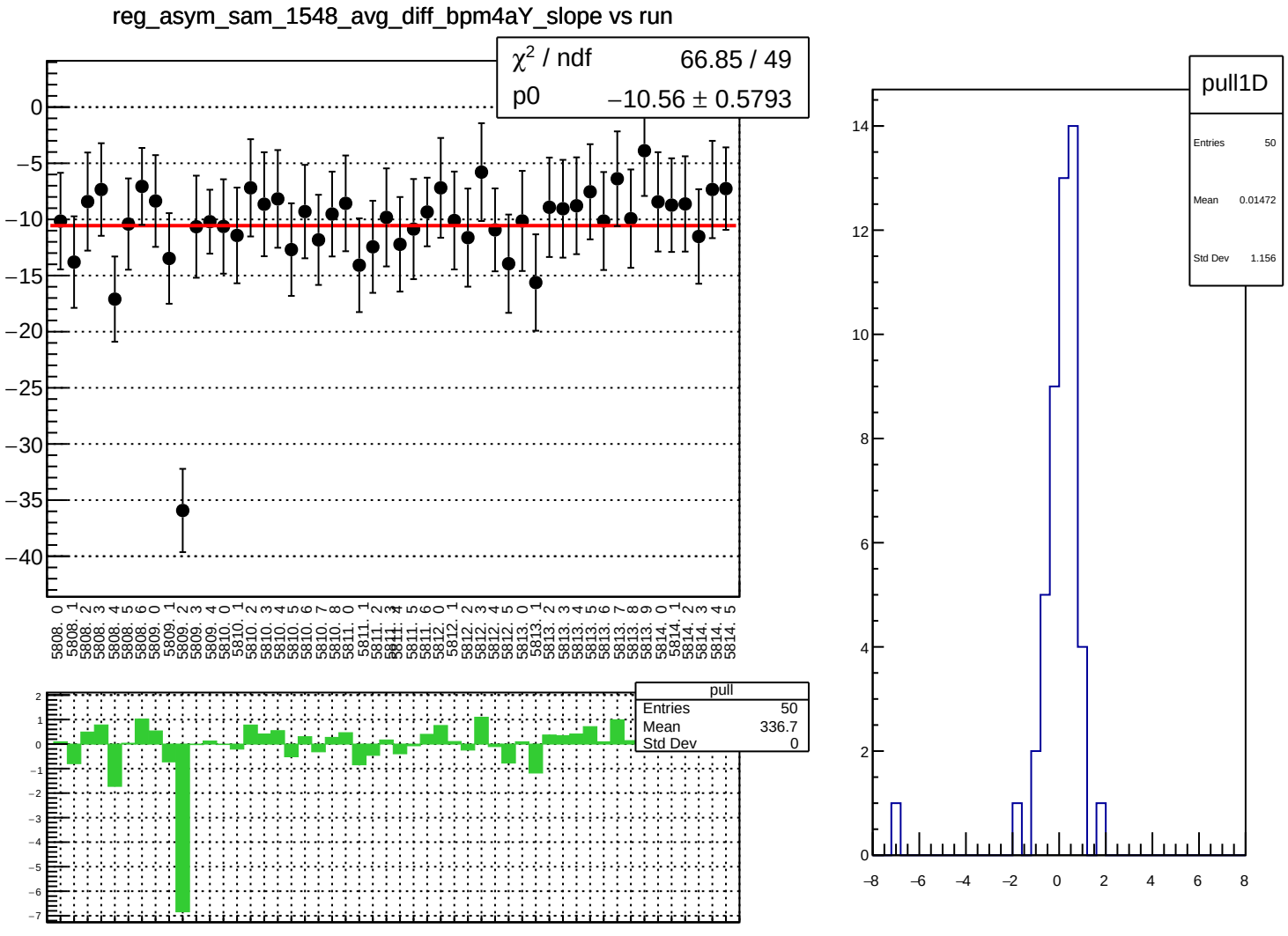

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 3.708 / 49
p0 −101.3 ± 1.901
pull
Entries 50
Mean −243.7
Std Dev 0

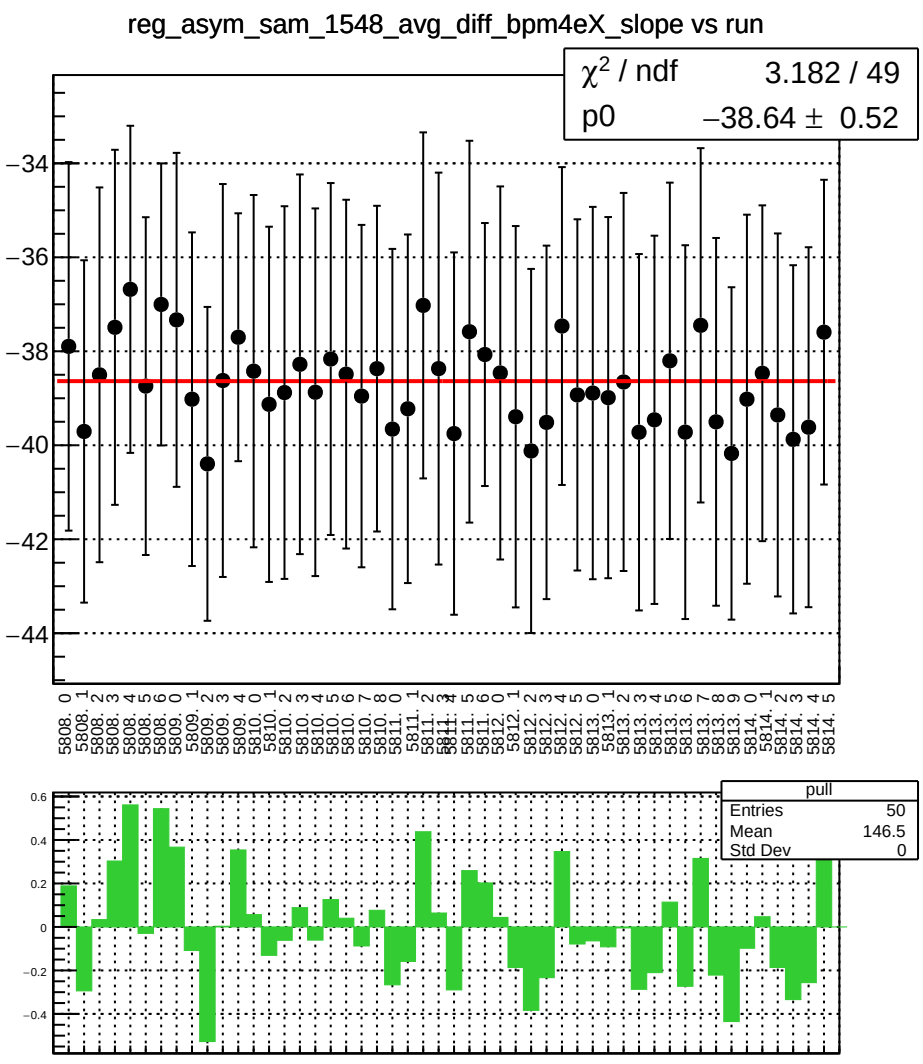

pull1D
Entries 50
Mean 0.005068
Std Dev 0.2723

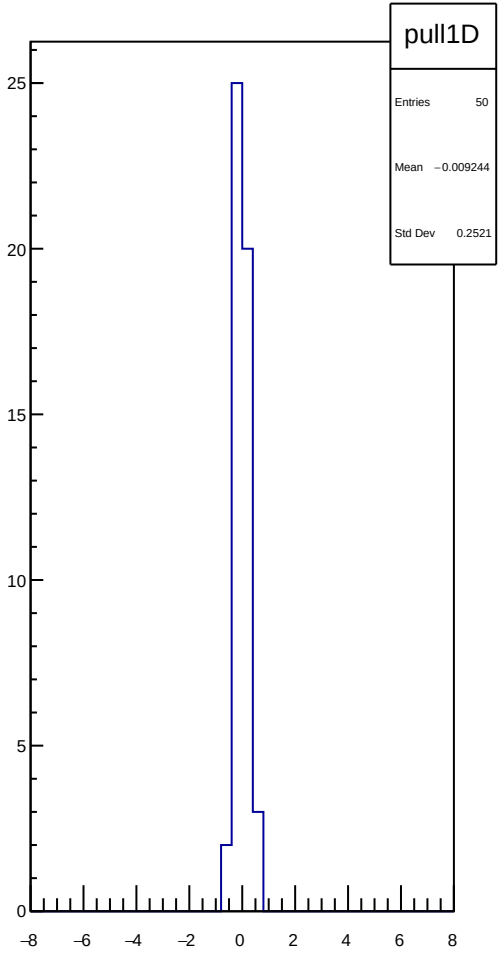

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.999 / 49
p0 −0.7804 ± 0.1192
pull
Entries 50
Mean 620
Std Dev 0
pull1D
Entries 50
Mean −0.004178
Std Dev 0.2449

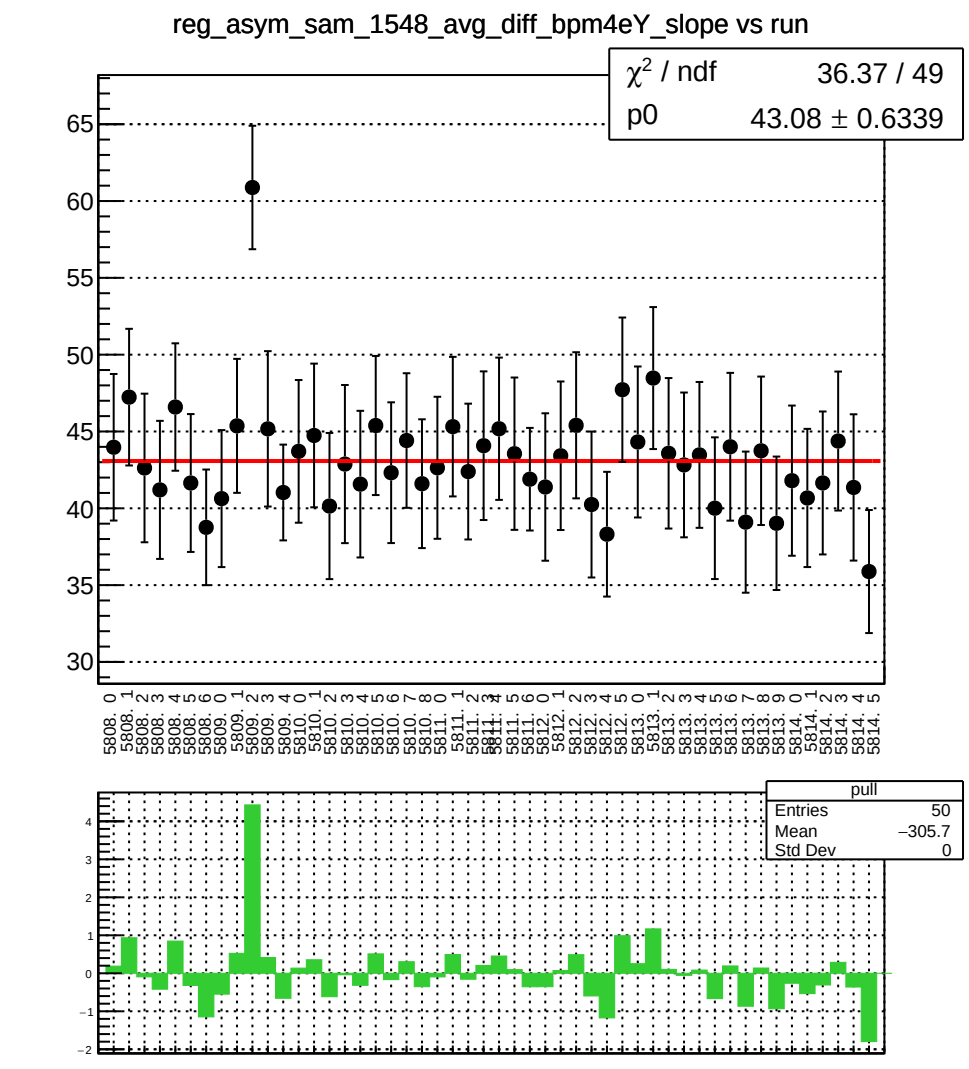

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 3.606 / 49
p0 4.094 ± 0.363
pull
Entries 50
Mean 770.6
Std Dev 0

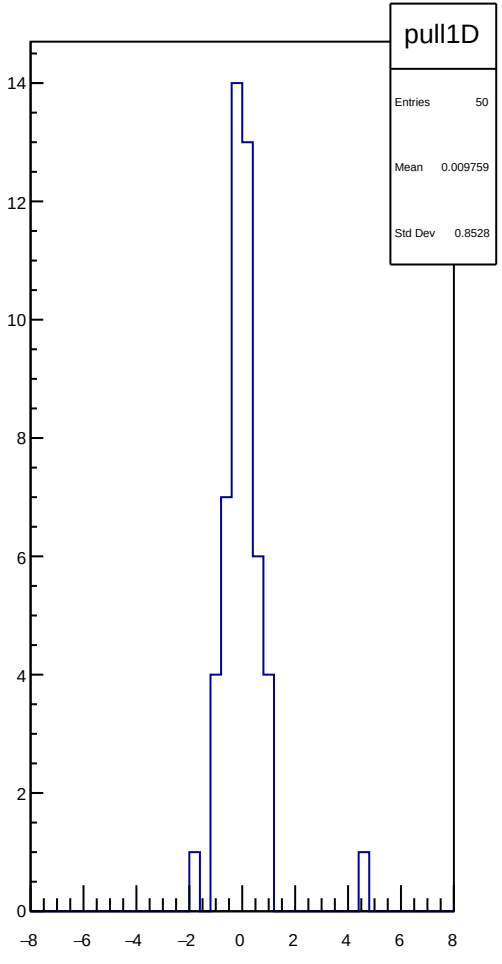

pull1D
Entries 50
Mean 0.001666
Std Dev 0.2685

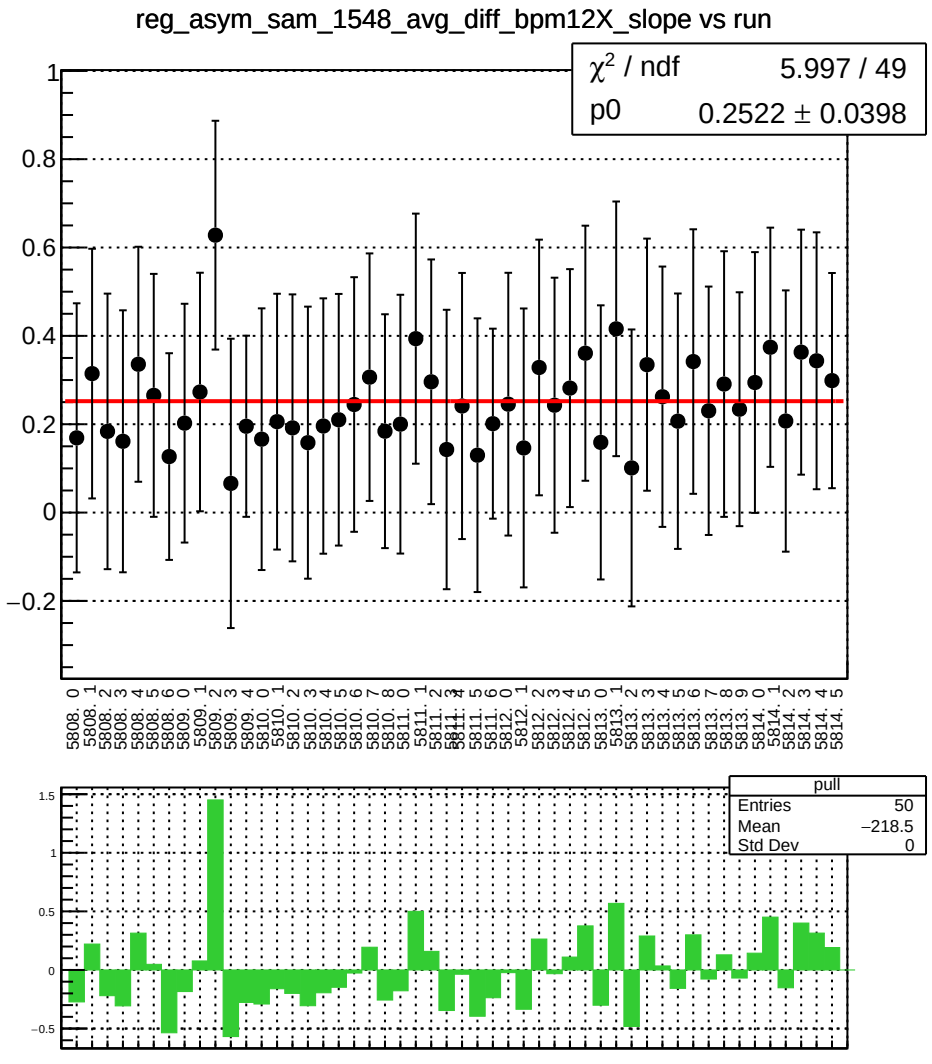

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 66.85 / 49
p0 −10.56 ± 0.5793
pull
Entries 50
Mean 336.7
Std Dev 0
pull1D
Entries 50
Mean 0.01472
Std Dev 1.156

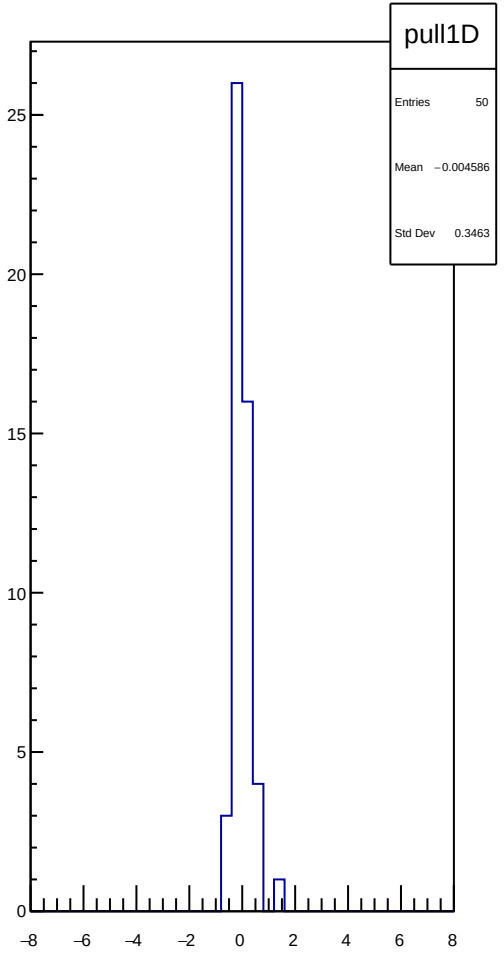

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.182 / 49
p0 −38.64 ± 0.52
−34
−36
−38
−40
−42
−44
pull
Entries 50
Mean 146.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4

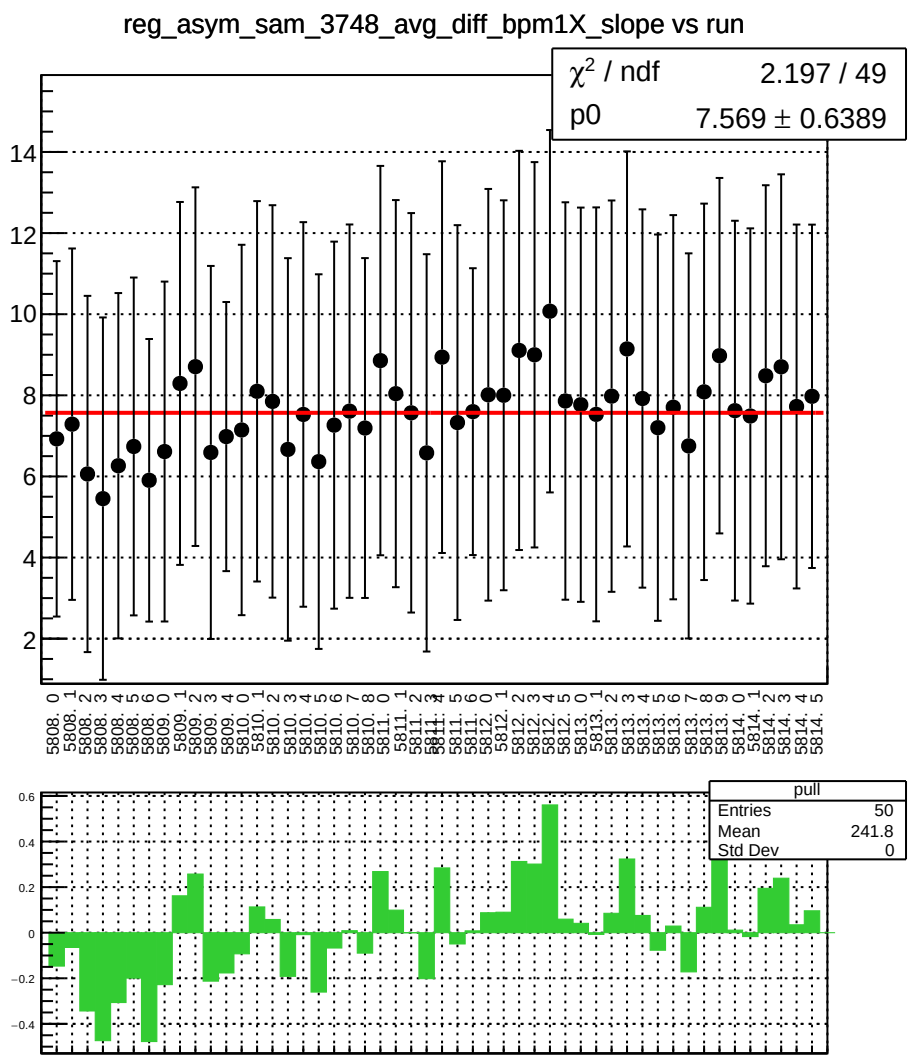

pull1D
Entries 50
Mean −0.009244
Std Dev 0.2521
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

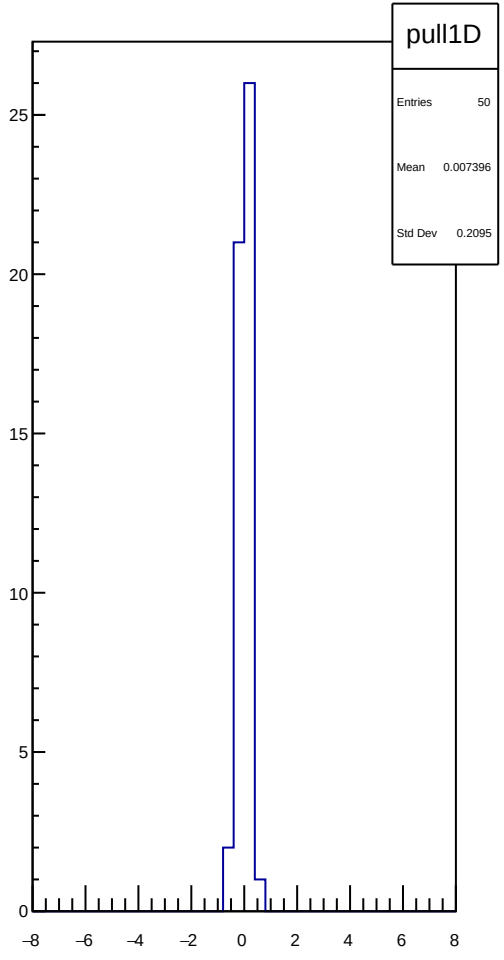

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 36.37 / 49
p0 43.08 ± 0.6339
pull
Entries 50
Mean −305.7
Std Dev 0

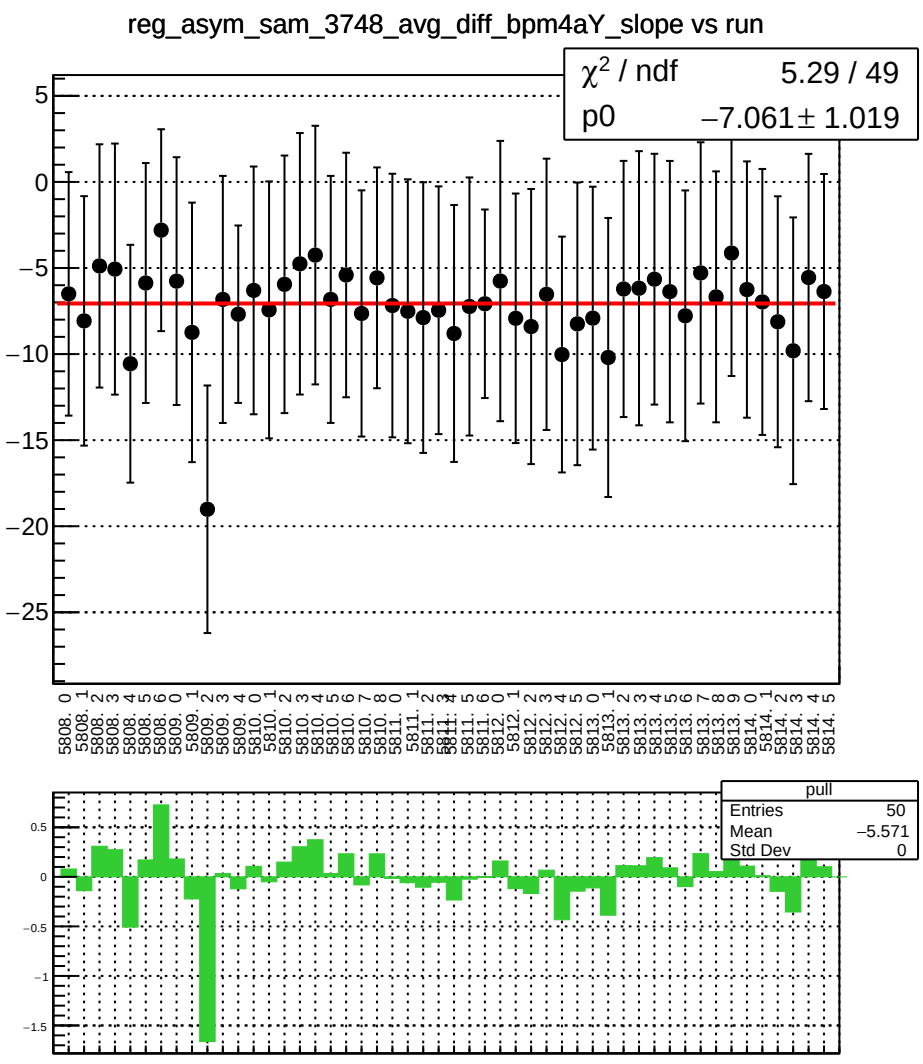

pull1D
Entries 50
Mean 0.009759
Std Dev 0.8528

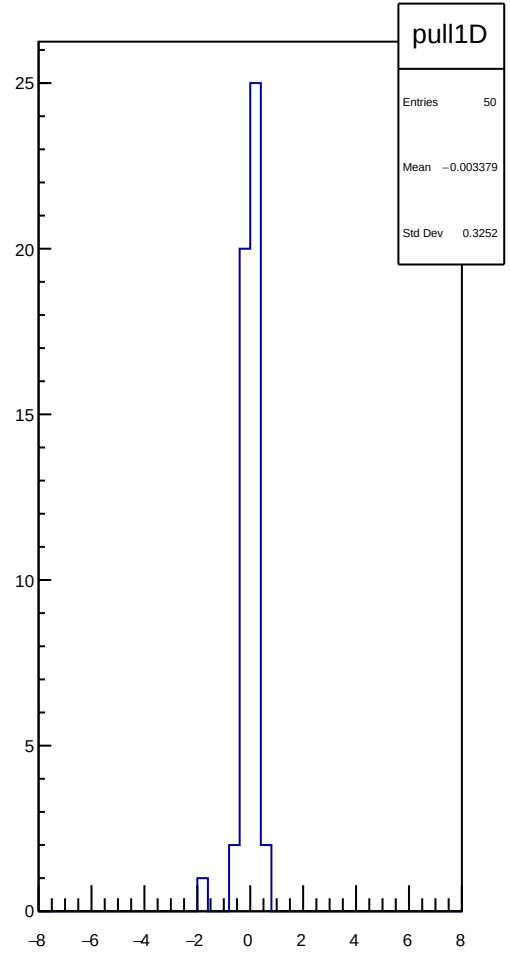

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 5.997 / 49
p0 0.2522 ± 0.0398
pull
Entries 50
Mean −218.5
Std Dev 0

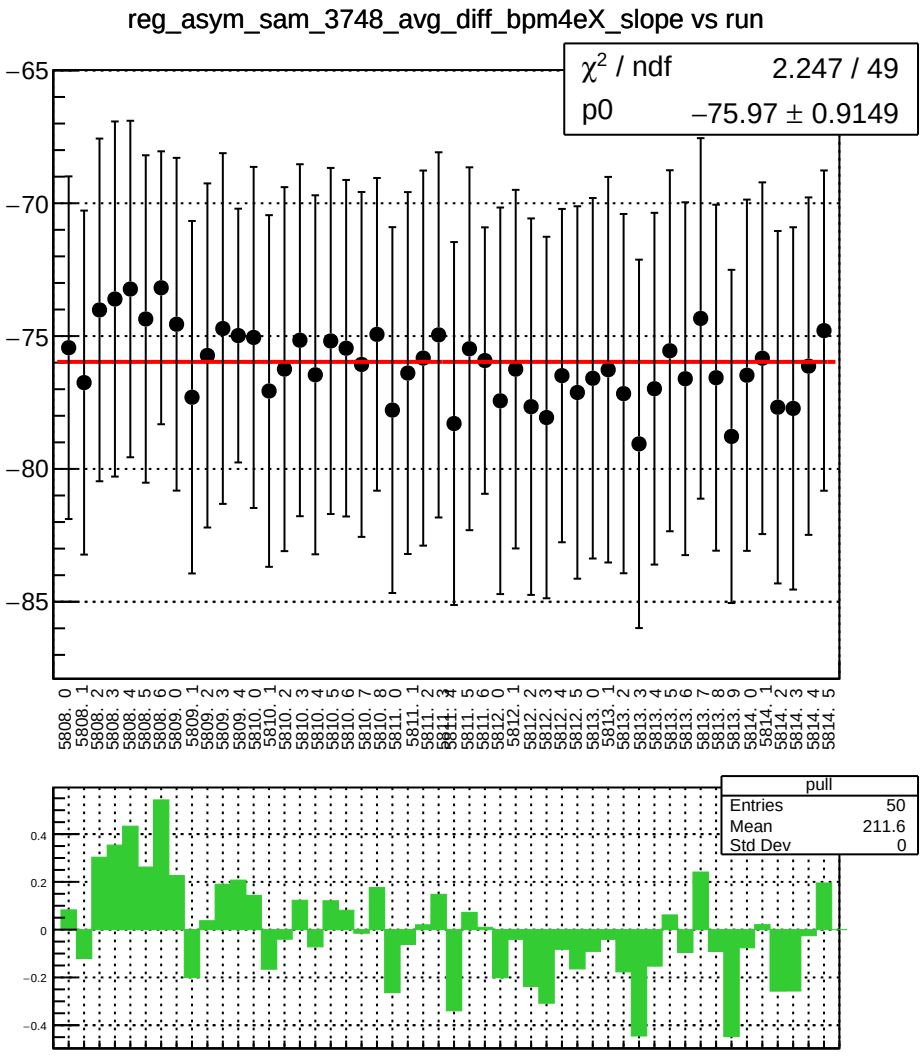

pull1D
Entries 50
Mean −0.004586
Std Dev 0.3463

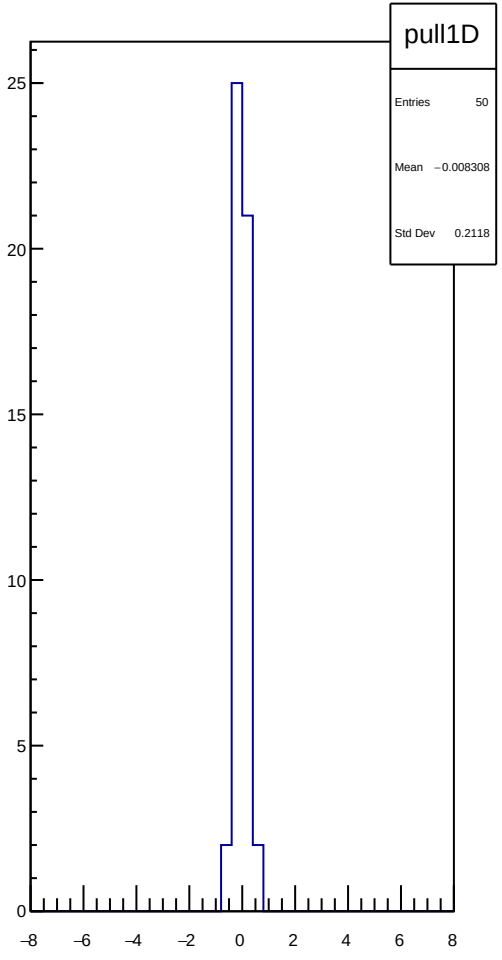

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 2.197 / 49
p0 7.569 ± 0.6389
pull
Entries 50
Mean 241.8
Std Dev 0

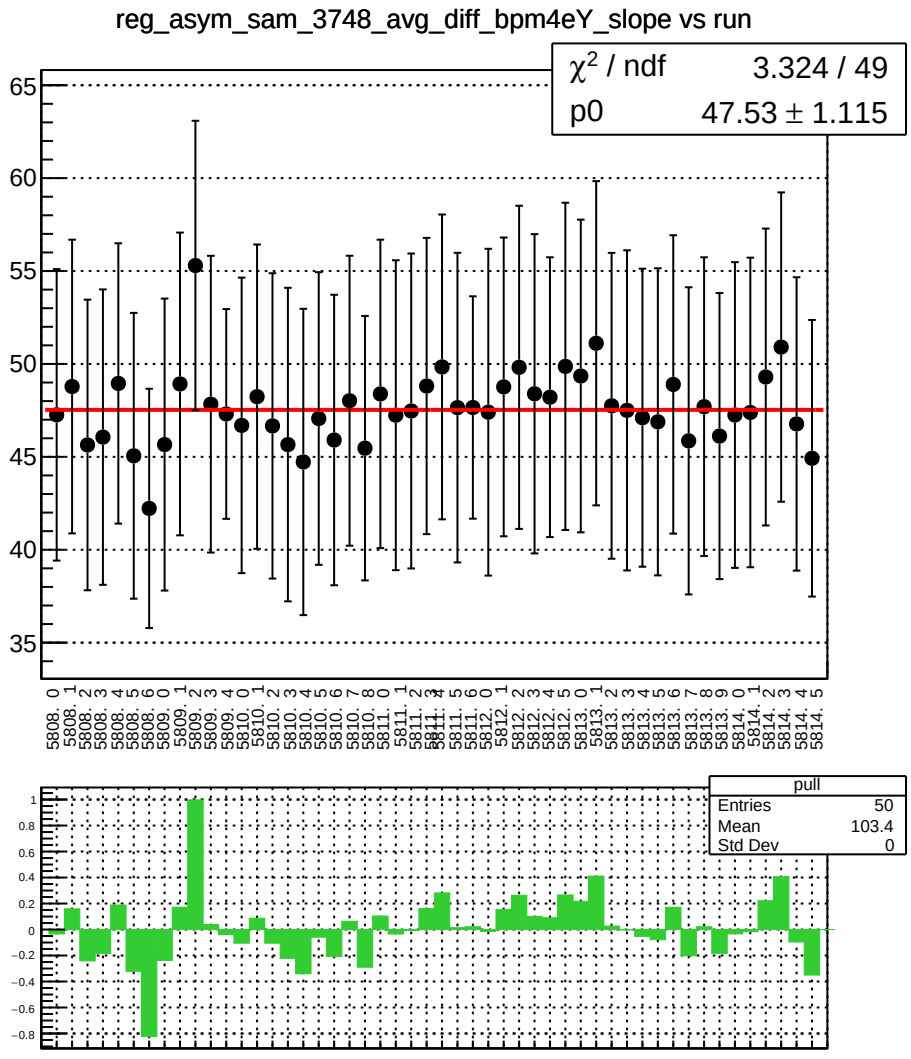

pull1D
Entries 50
Mean 0.007396
Std Dev 0.2095

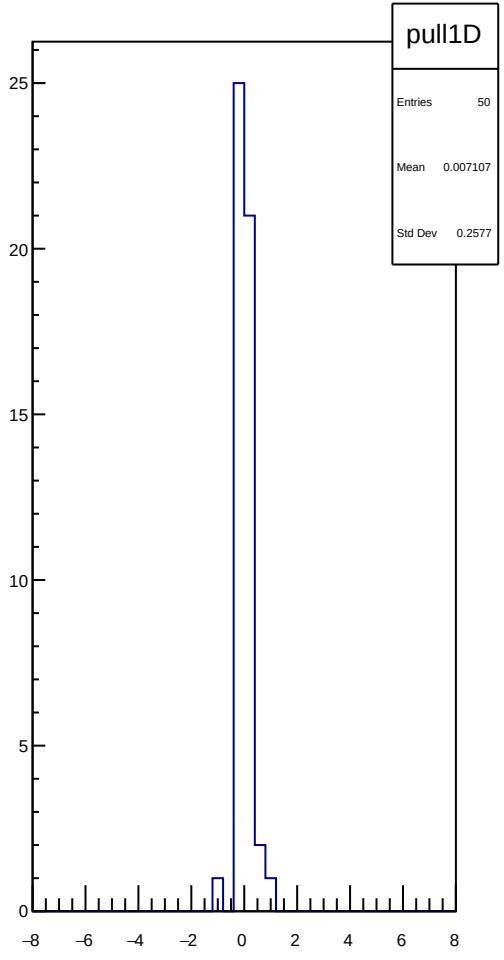

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.29 / 49
p0 −7.061 ± 1.019
pull
Entries 50
Mean −5.571
Std Dev 0

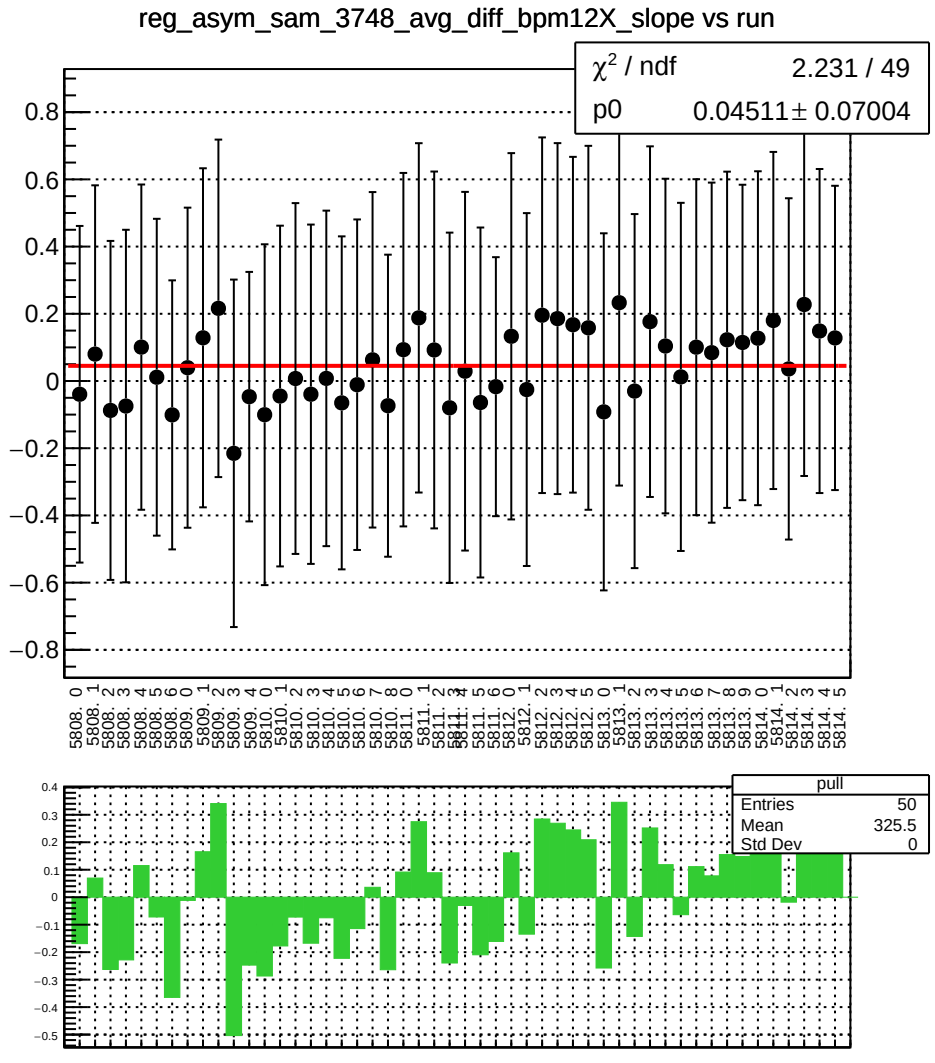

pull1D
Entries 50
Mean −0.003379
Std Dev 0.3252

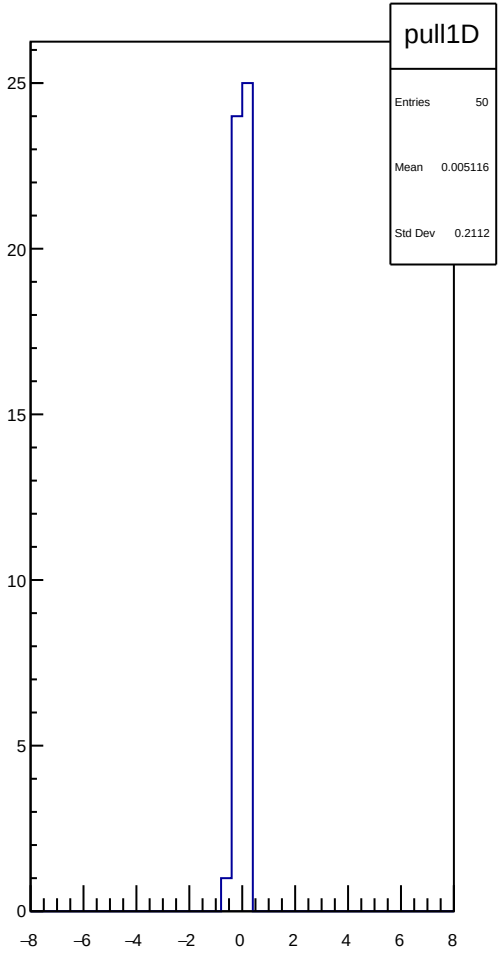

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.247 / 49
p0 −75.97 ± 0.9149
pull
Entries 50
Mean 211.6
Std Dev 0

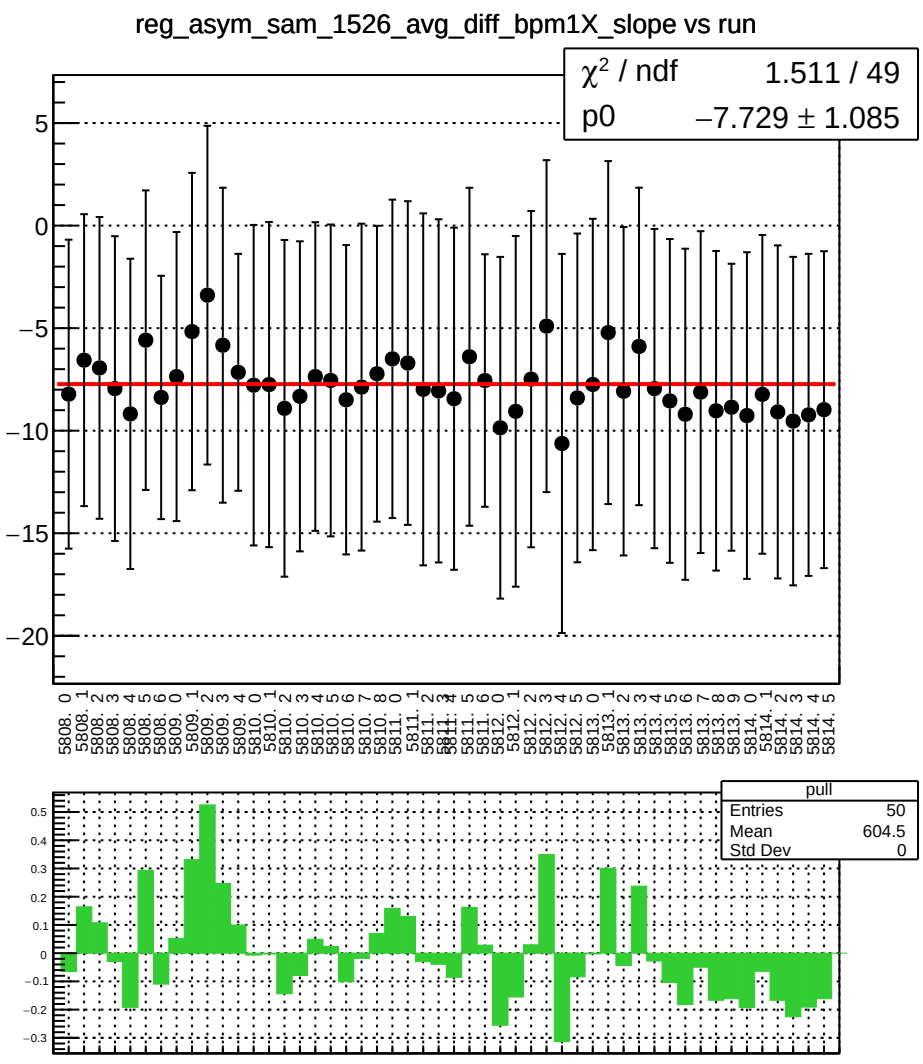

pull1D
Entries 50
Mean −0.008308
Std Dev 0.2118

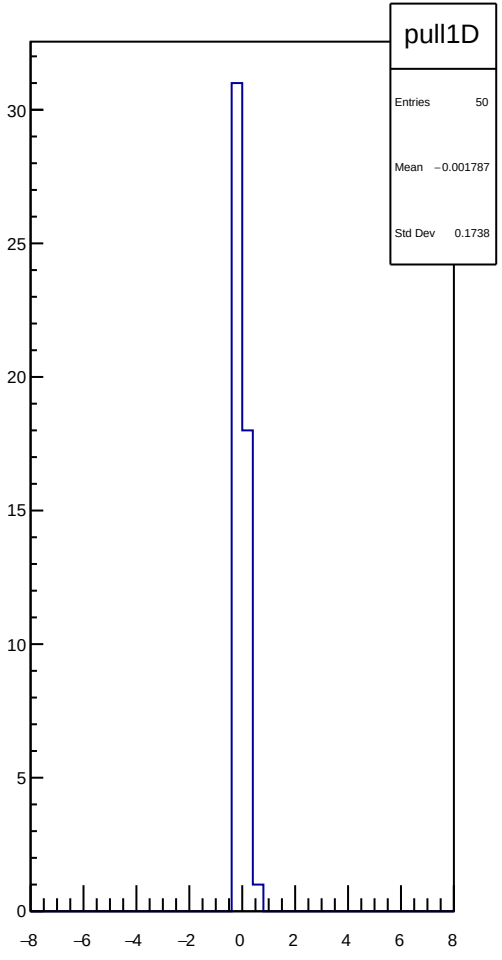

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.324 / 49
p0 47.53 ± 1.115
pull
Entries 50
Mean 103.4
Std Dev 0

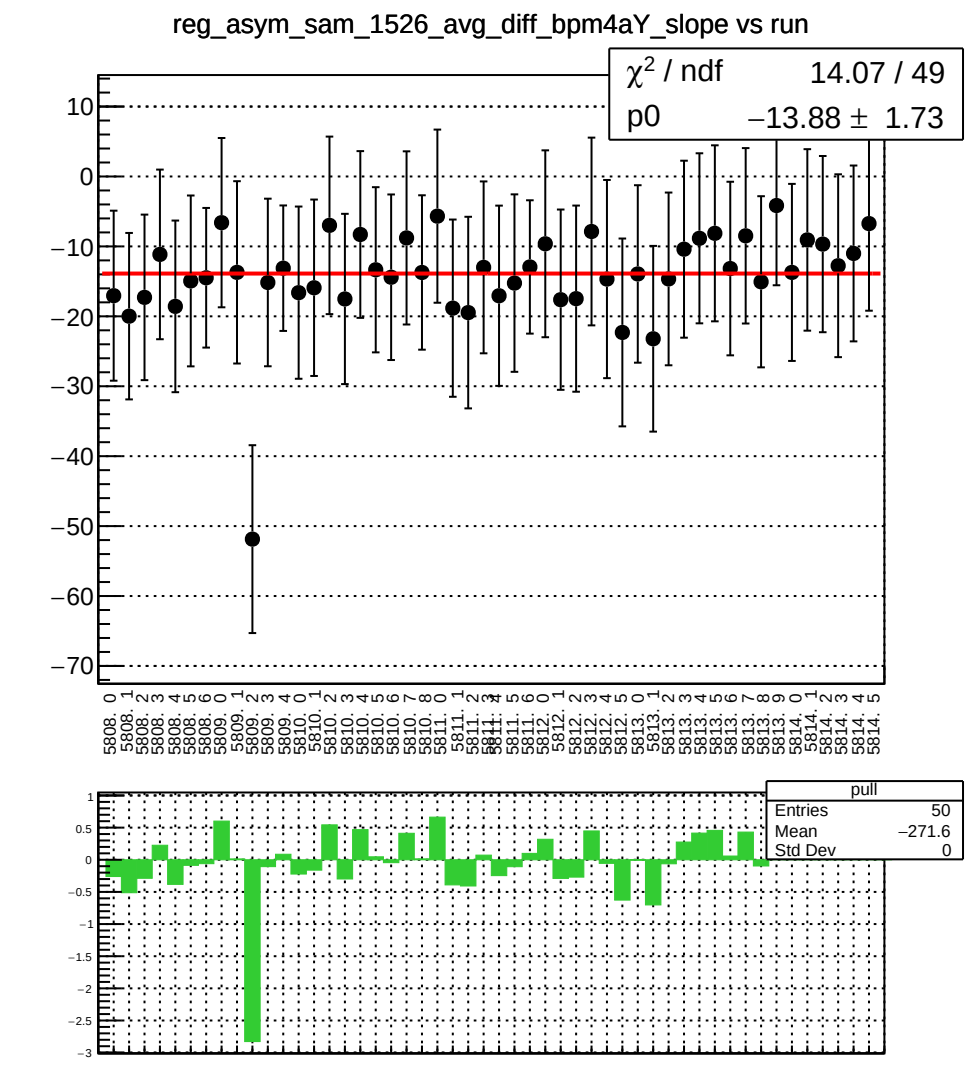

pull1D
Entries 50
Mean 0.007107
Std Dev 0.2577

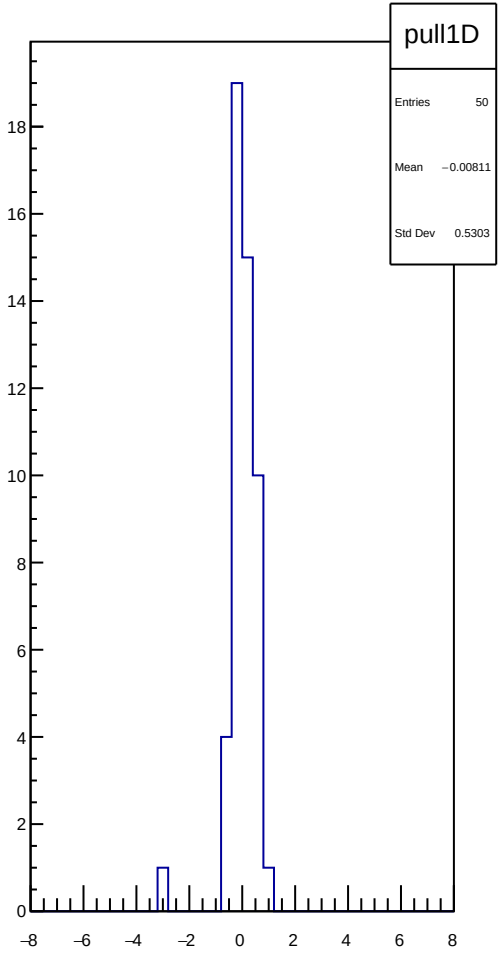

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 2.231 / 49
p0 0.04511 ± 0.07004
pull
Entries 50
Mean 325.5
Std Dev 0

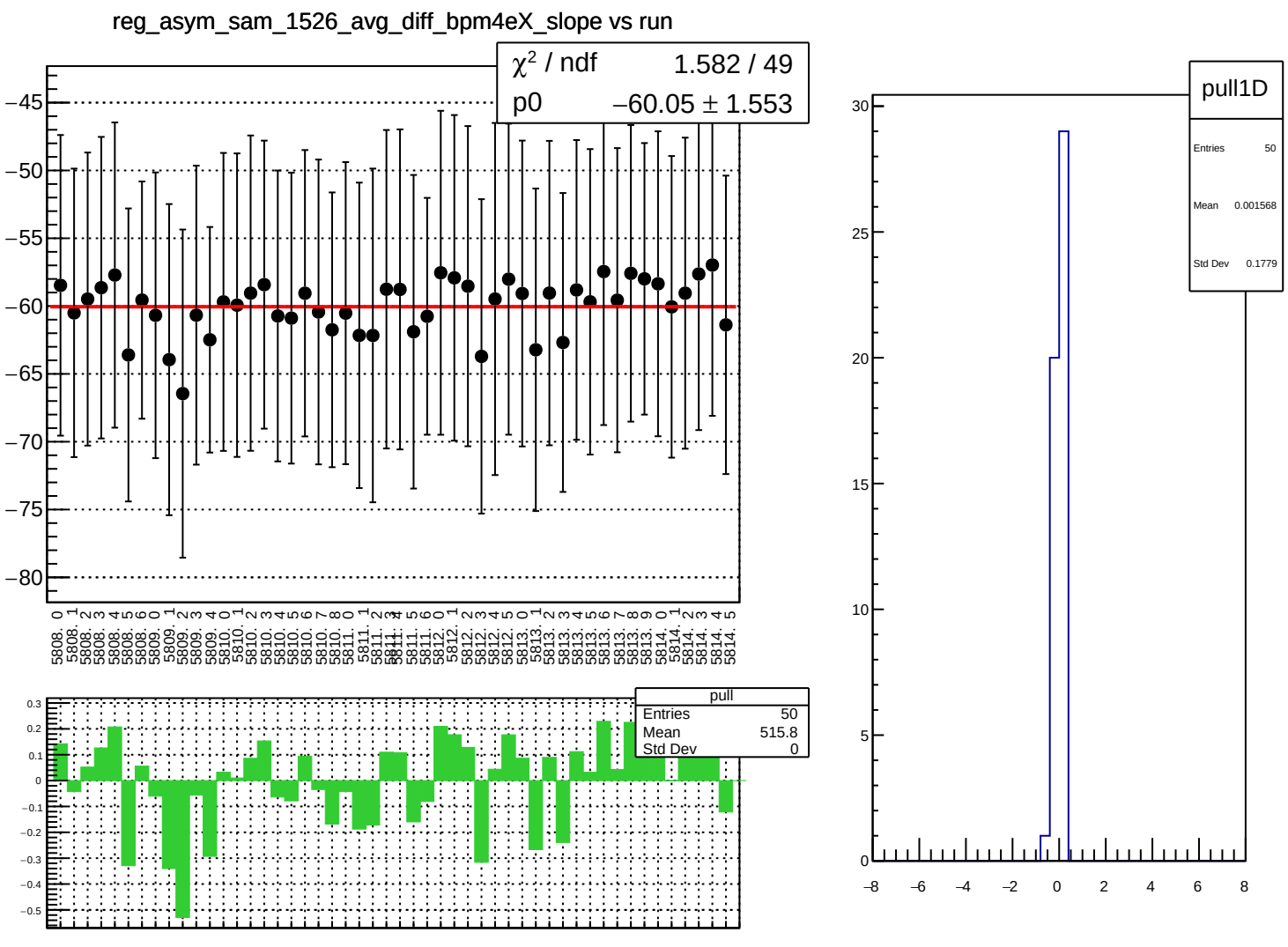

pull1D
Entries 50
Mean 0.005116
Std Dev 0.2112

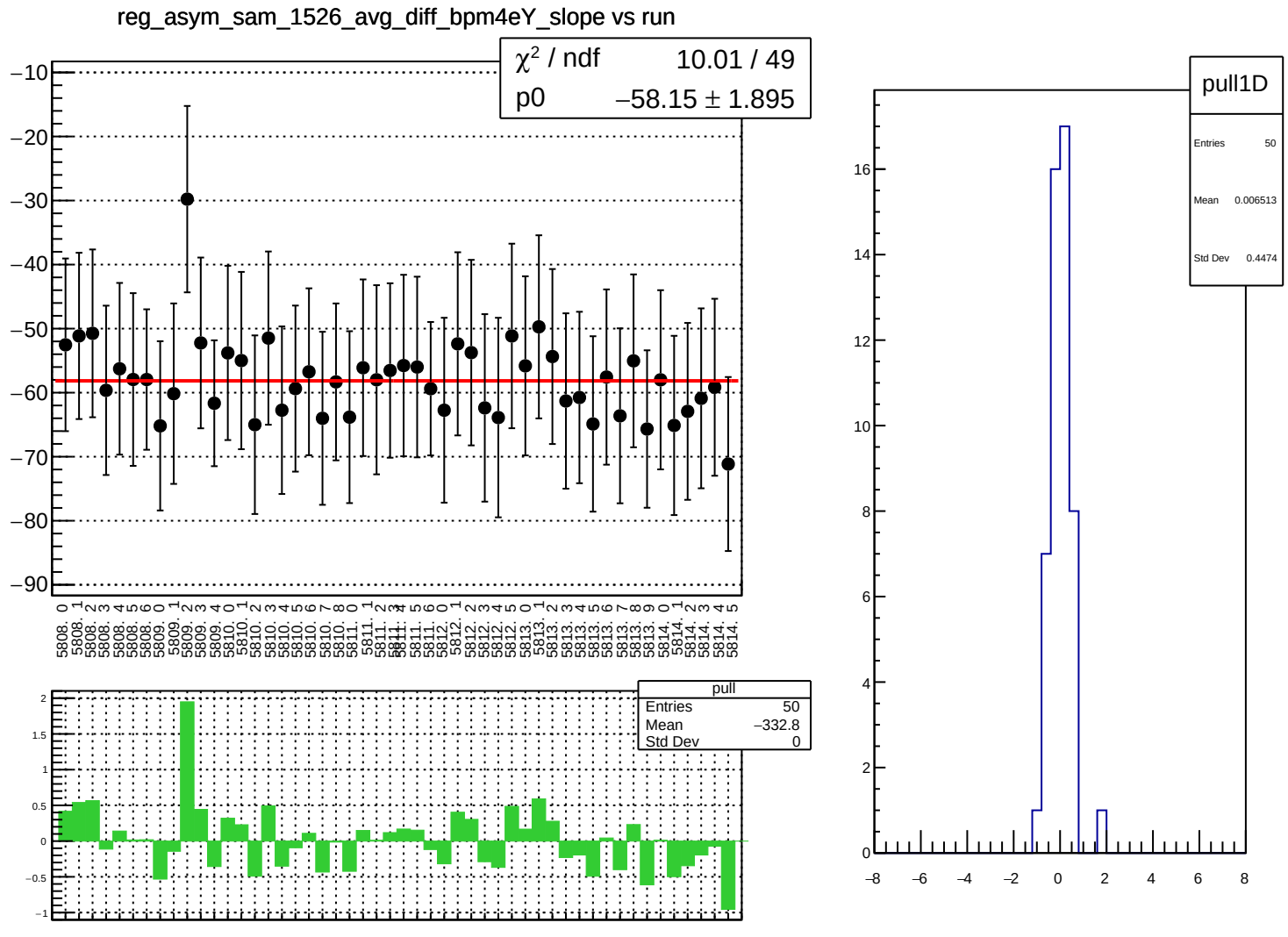

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 1.511 / 49
p0 −7.729 ± 1.085
pull
Entries 50
Mean 604.5
Std Dev 0

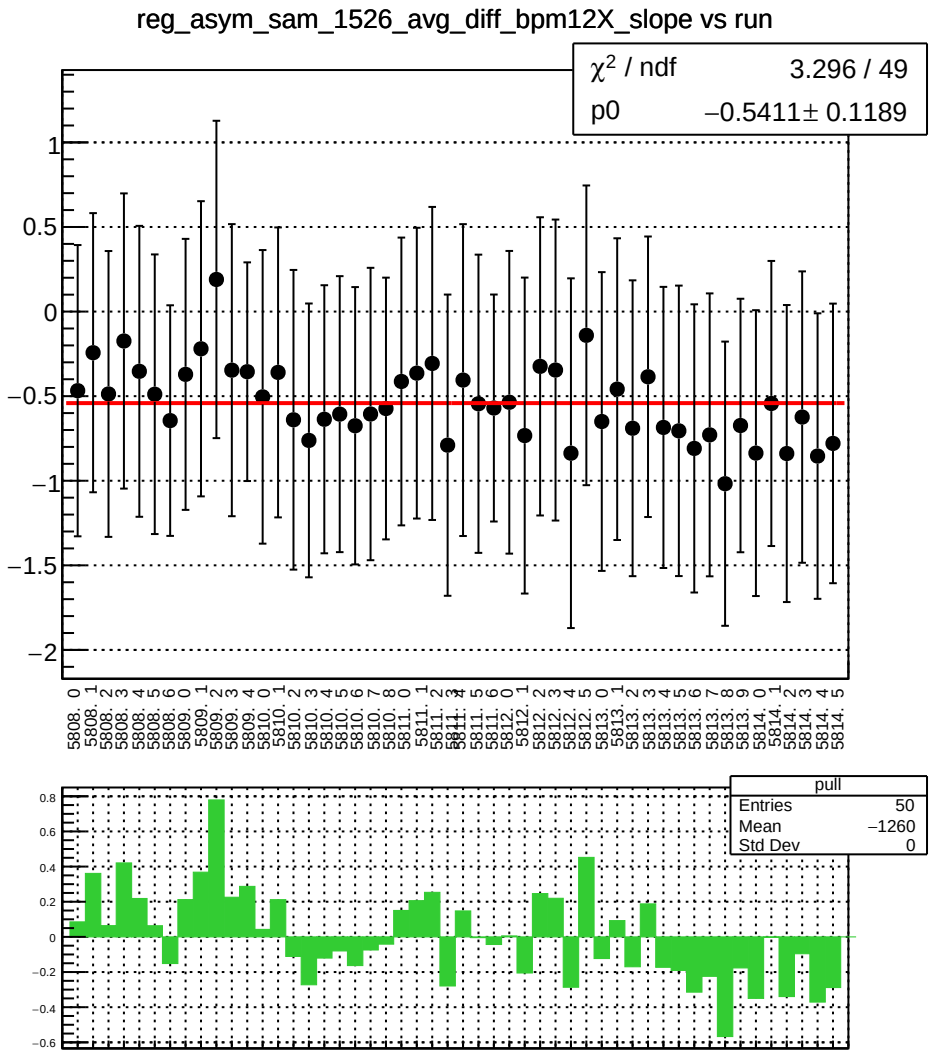

pull1D
Entries 50
Mean −0.001787
Std Dev 0.1738

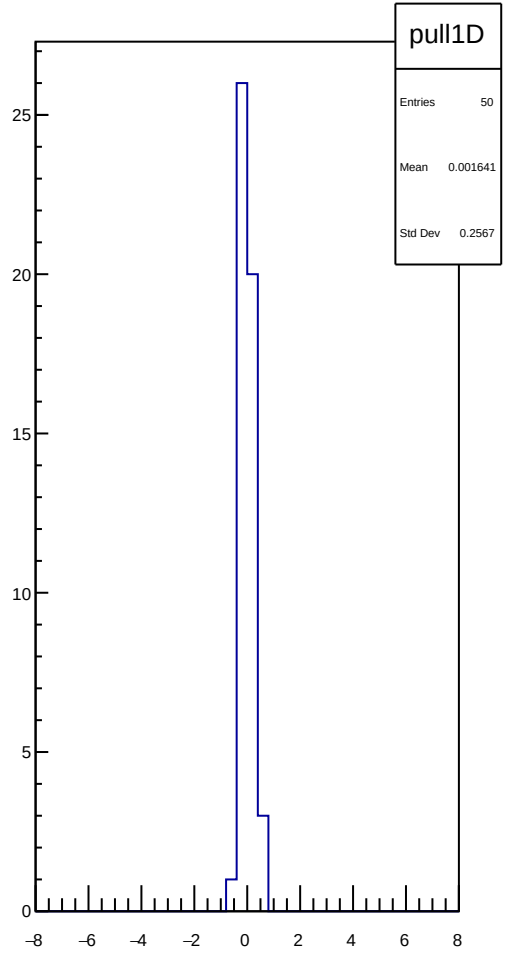

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 14.07 / 49
p0 −13.88 ± 1.73
pull
Entries 50
Mean −271.6
Std Dev 0

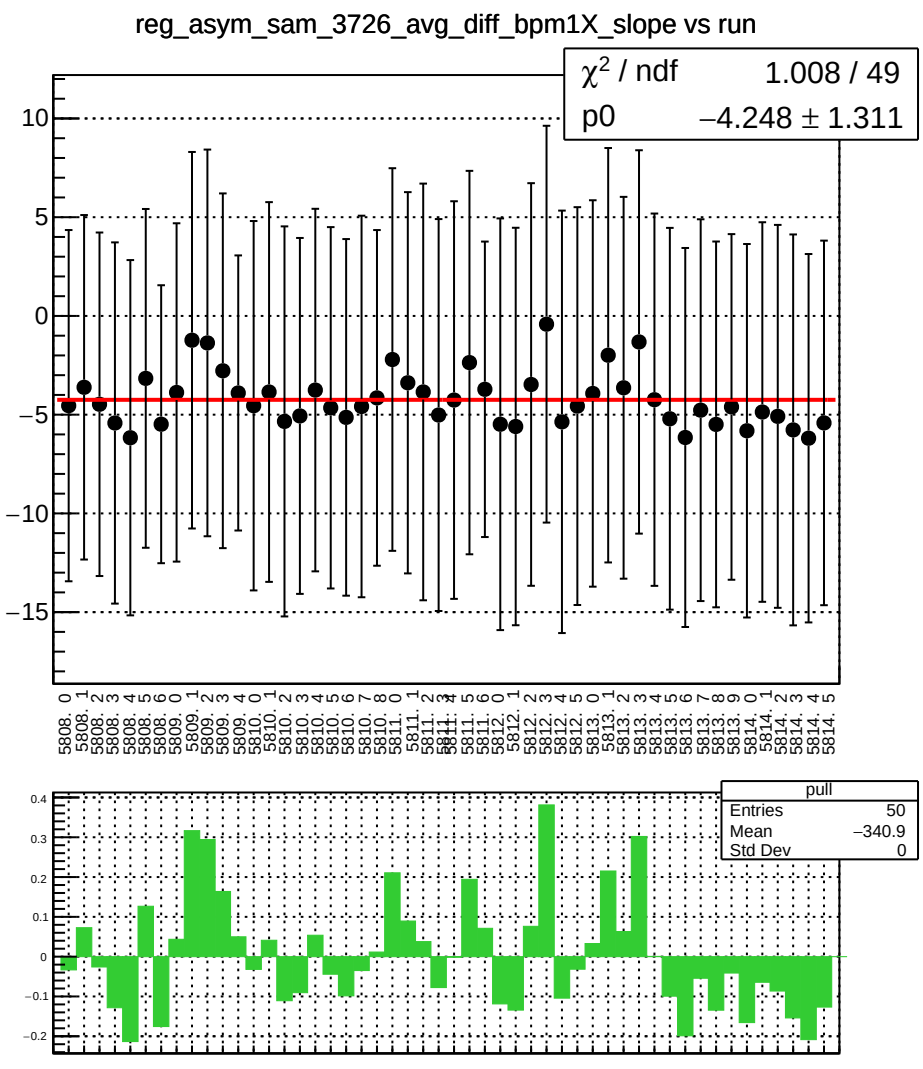

pull1D
Entries 50
Mean −0.00811
Std Dev 0.5303

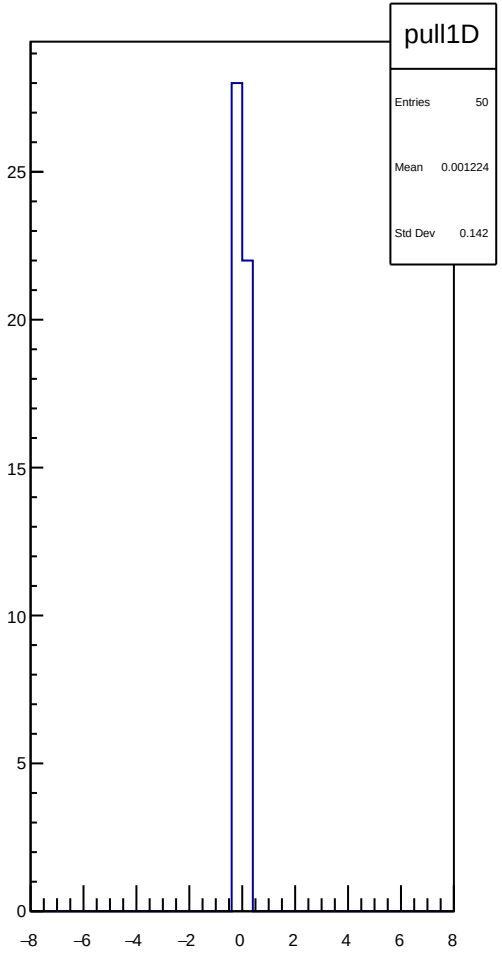

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.582 / 49
p0 −60.05 ± 1.553
pull
Entries 50
Mean 515.8
Std Dev 0
pull1D
Entries 50
Mean 0.001568
Std Dev 0.1779

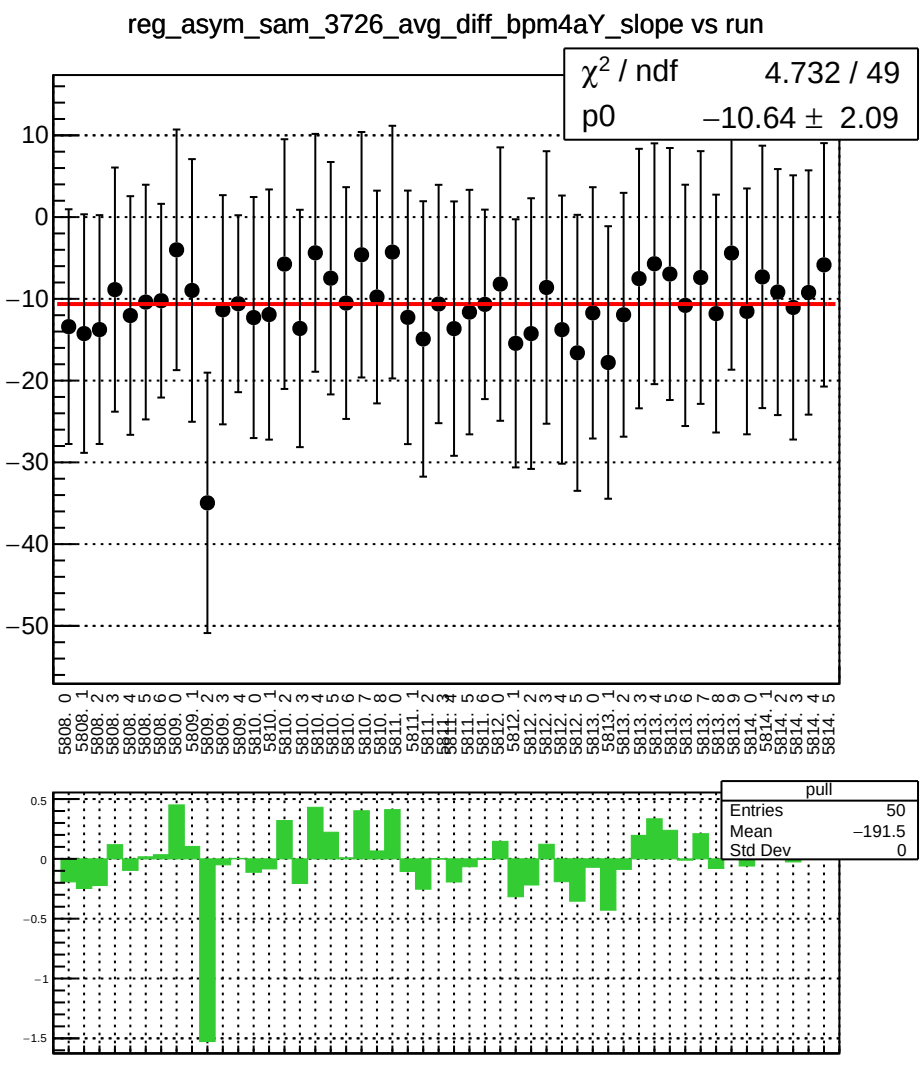

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 10.01 / 49
p0 −58.15 ± 1.895
pull
Entries 50
Mean −332.8
Std Dev 0
pull1D
Entries 50
Mean 0.006513
Std Dev 0.4474

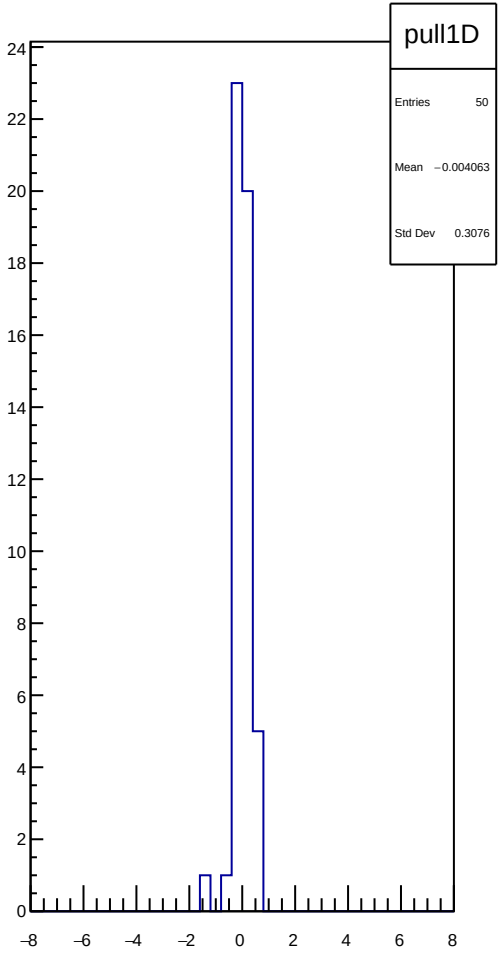

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 3.296 / 49
p0 −0.5411± 0.1189
pull
Entries 50
Mean −1260
Std Dev 0

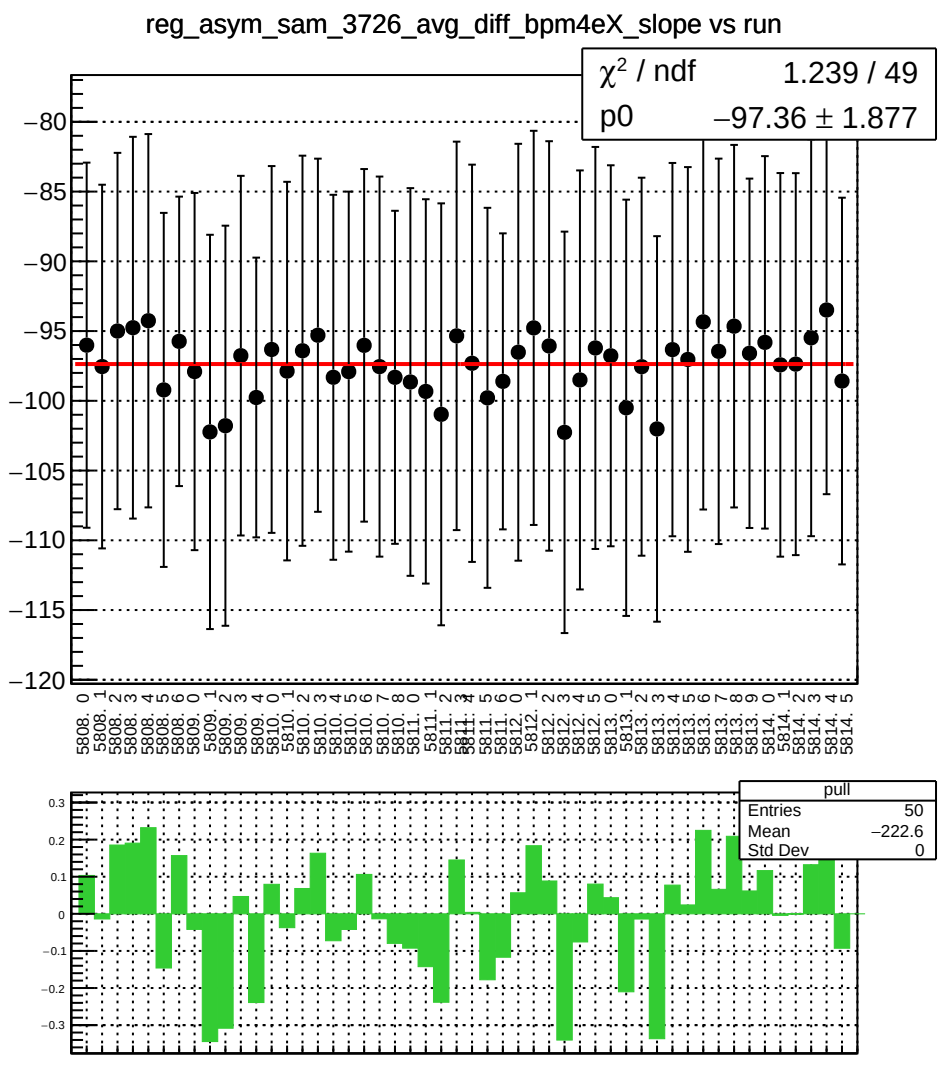

pull1D
Entries 50
Mean 0.001641
Std Dev 0.2567

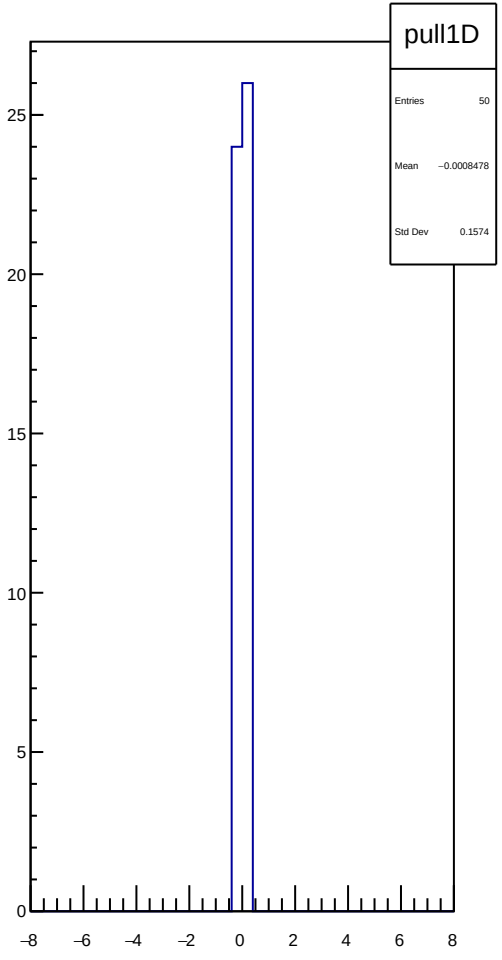

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 1.008 / 49
p0 −4.248 ± 1.311
pull
Entries 50
Mean −340.9
Std Dev 0

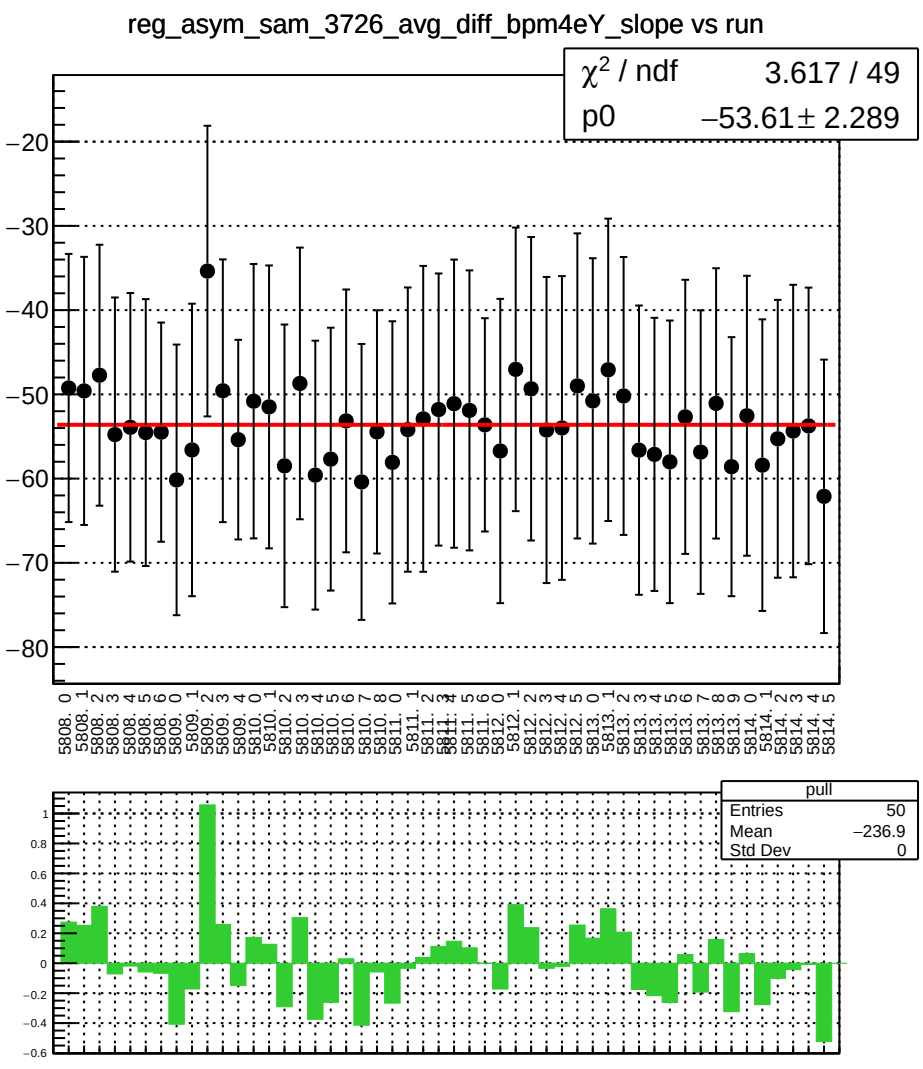

pull1D
Entries 50
Mean 0.001224
Std Dev 0.142

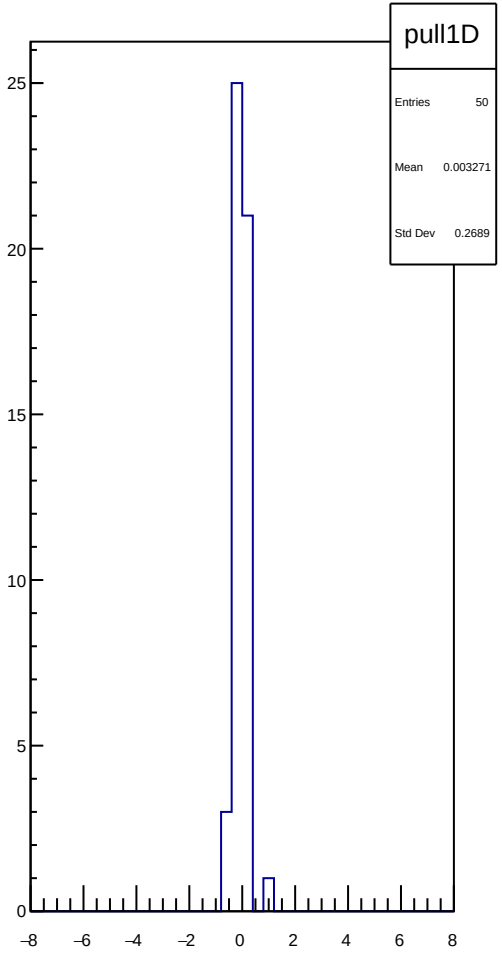

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.732 / 49
p0 −10.64 ± 2.09
pull
Entries 50
Mean −191.5
Std Dev 0

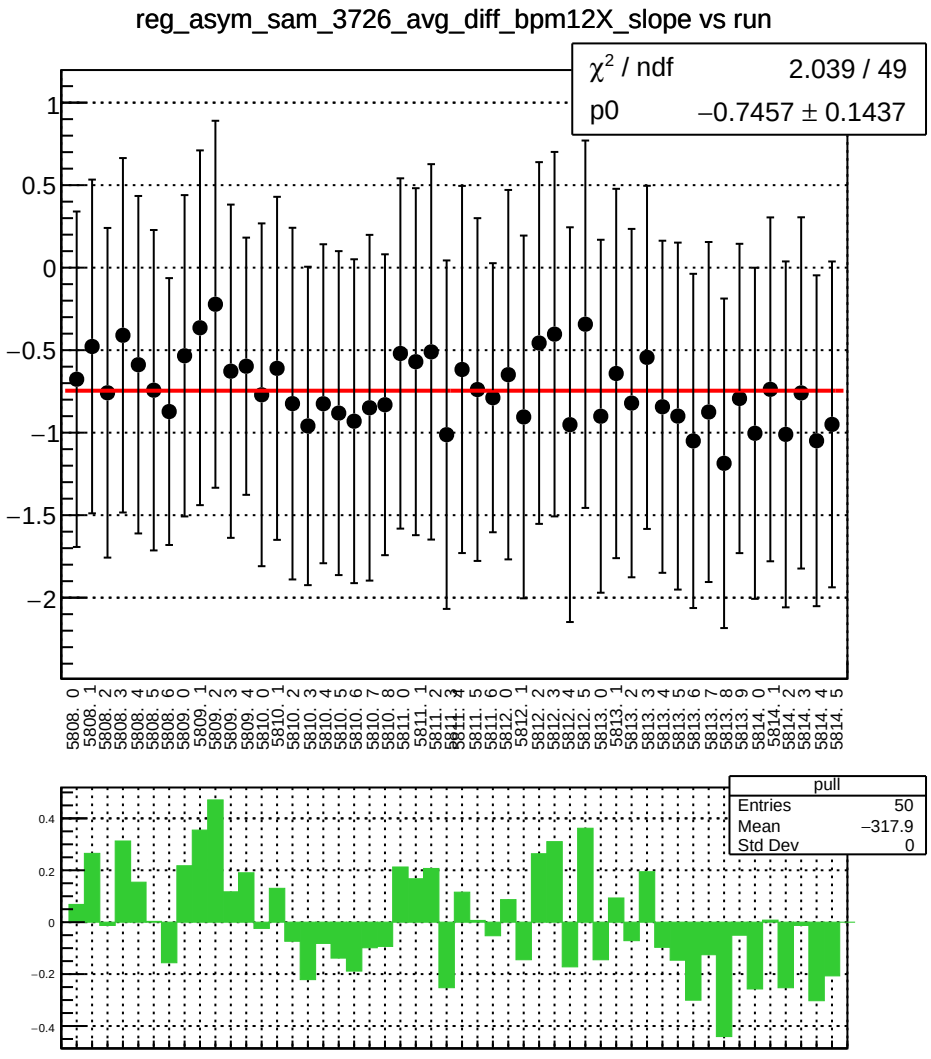

pull1D
Entries 50
Mean −0.004063
Std Dev 0.3076

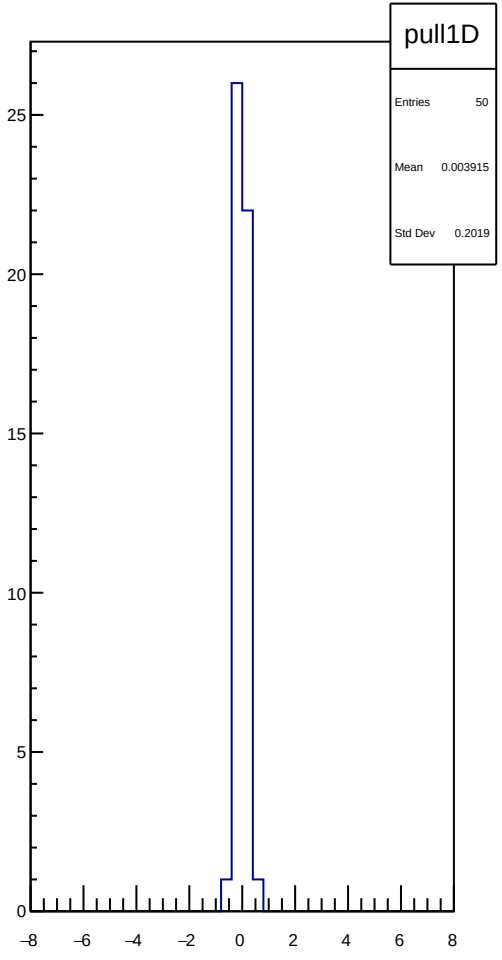

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.239 / 49
p0 −97.36 ± 1.877
pull
Entries 50
Mean −222.6
Std Dev 0

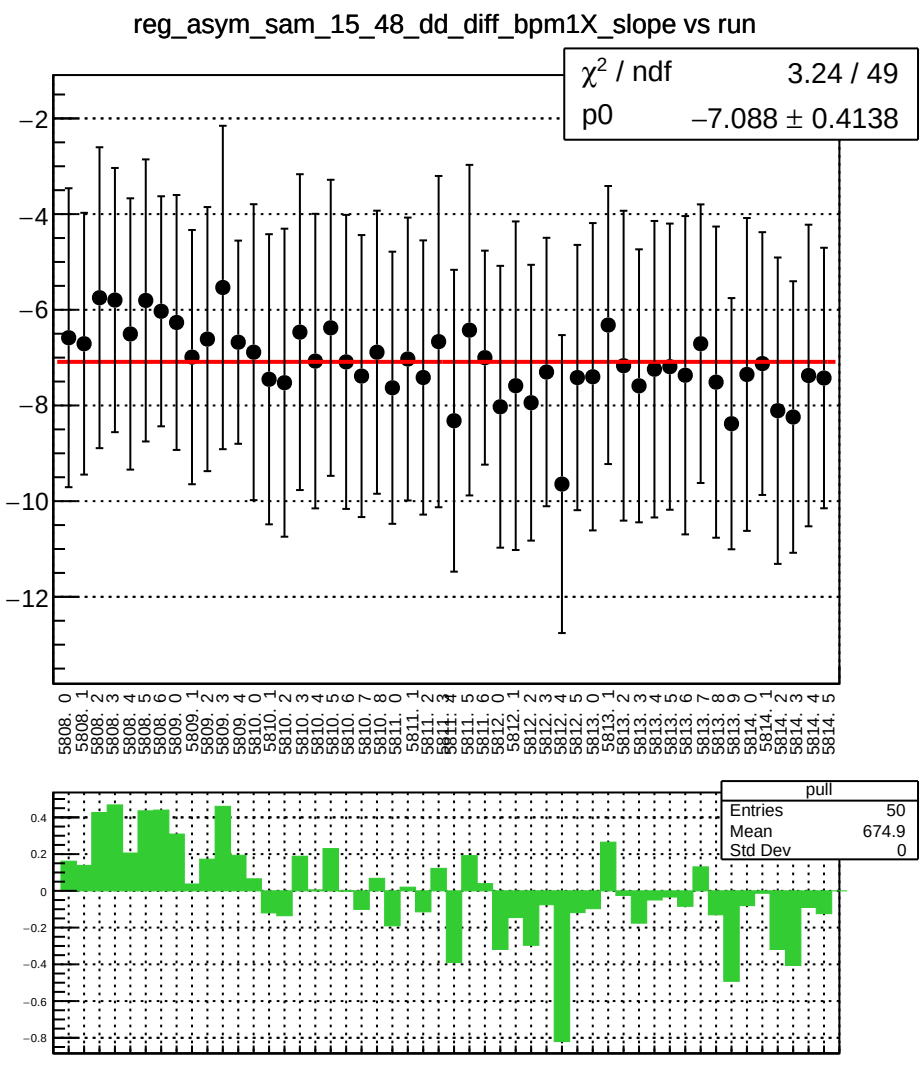

pull1D
Entries 50
Mean −0.0008478
Std Dev 0.1574

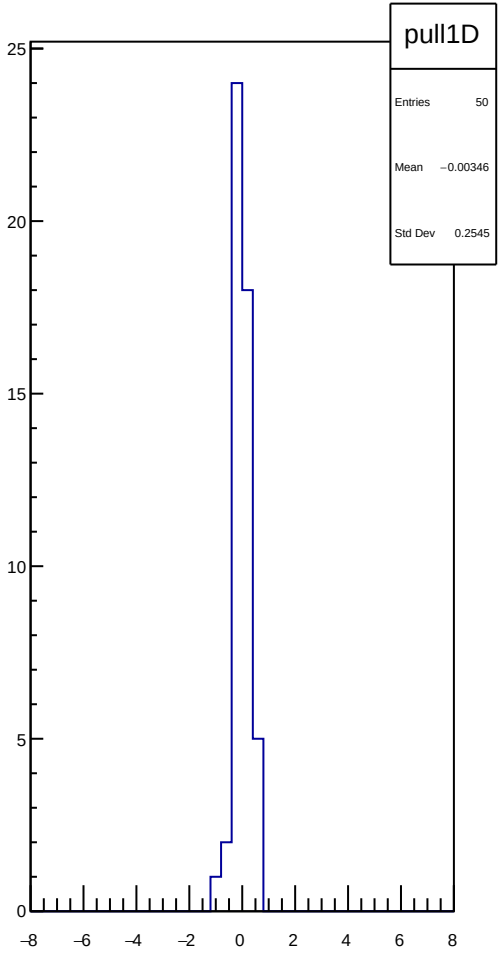

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.617 / 49
p0 −53.61 ± 2.289
pull
Entries 50
Mean −236.9
Std Dev 0

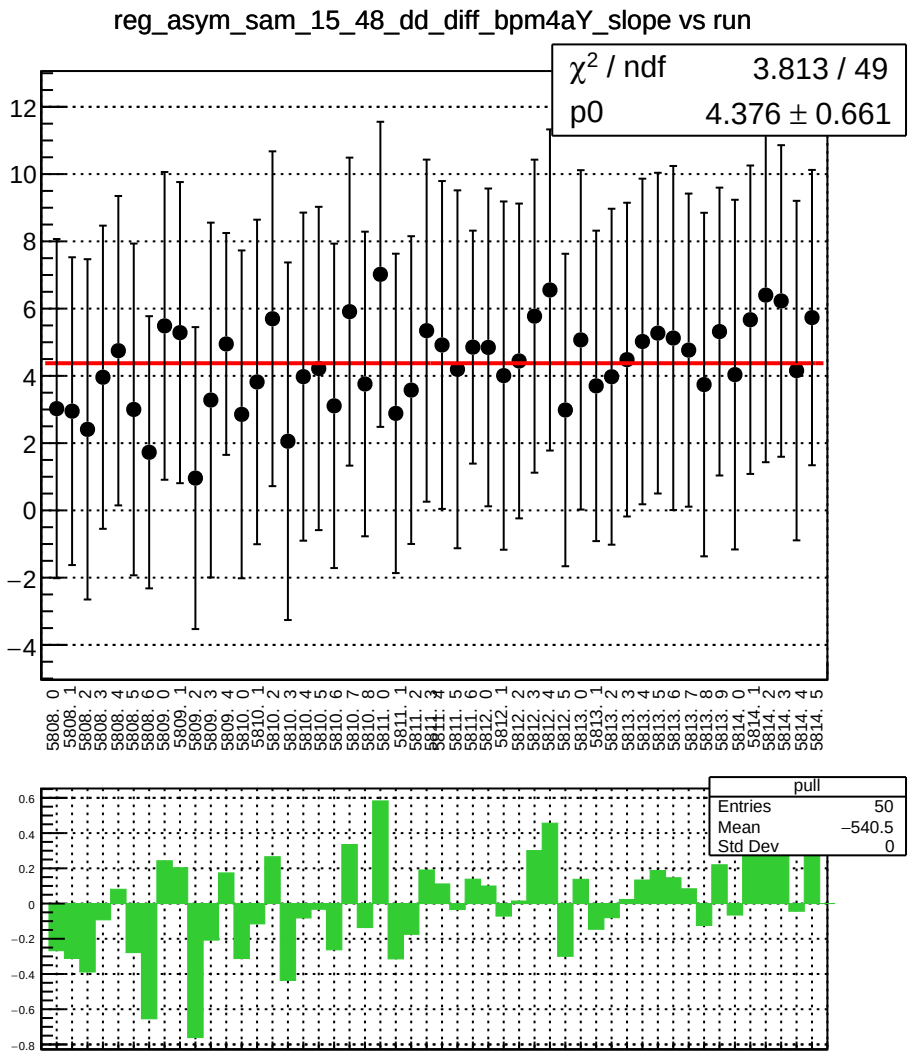

pull1D
Entries 50
Mean 0.003271
Std Dev 0.2689

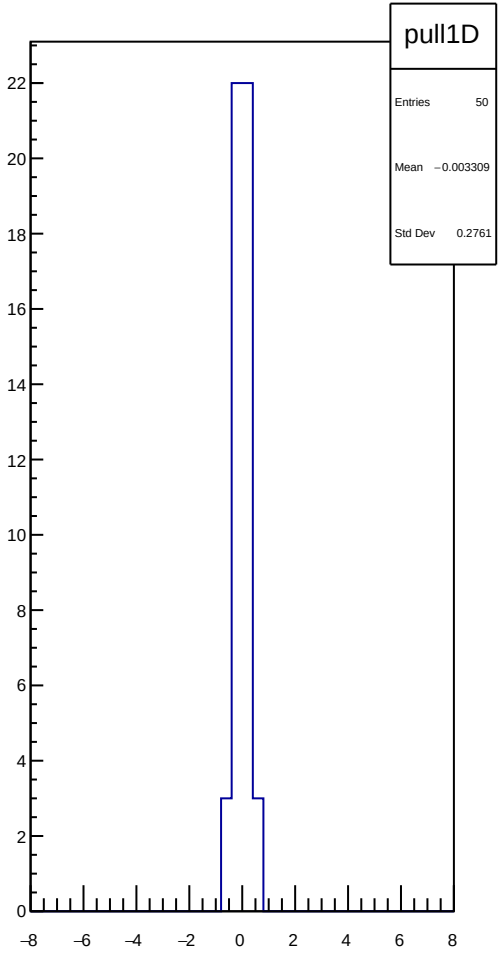

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 2.039 / 49
p0 −0.7457 ± 0.1437
pull
Entries 50
Mean −317.9
Std Dev 0

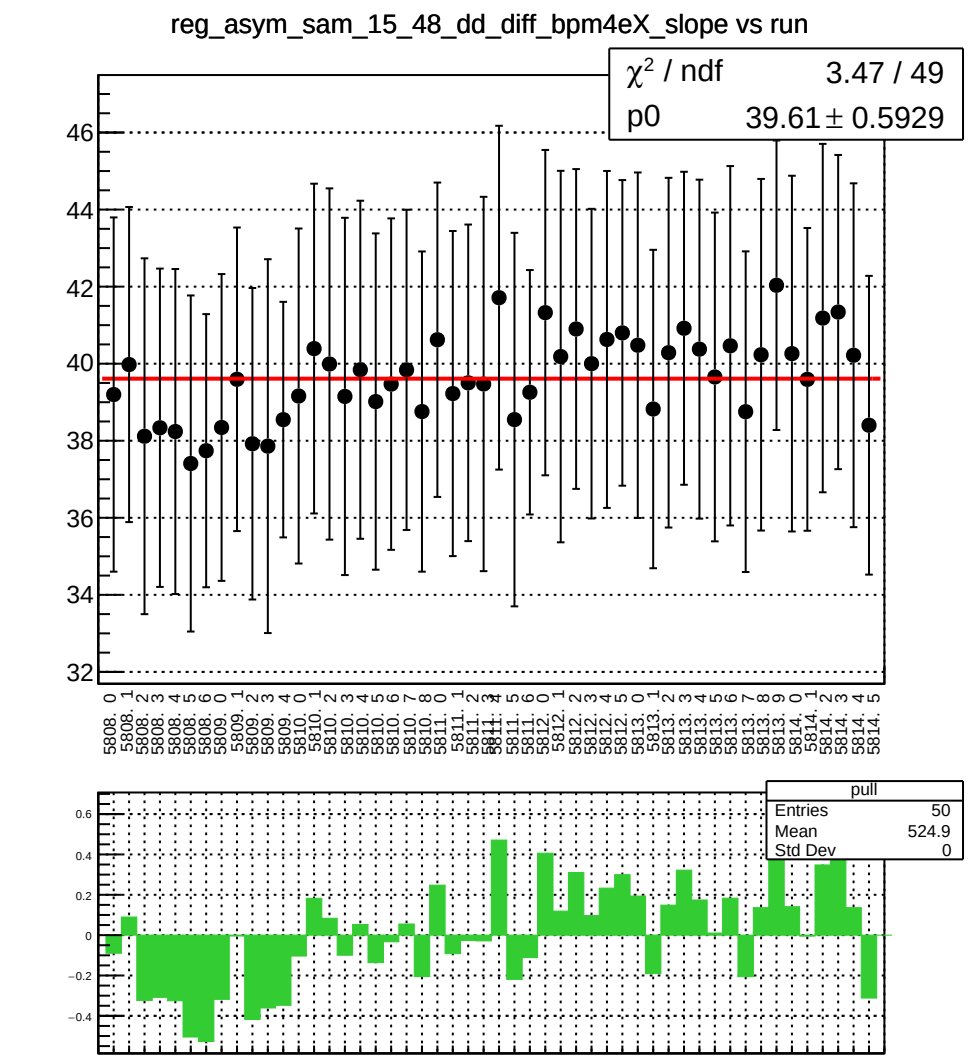

pull1D
Entries 50
Mean 0.003915
Std Dev 0.2019

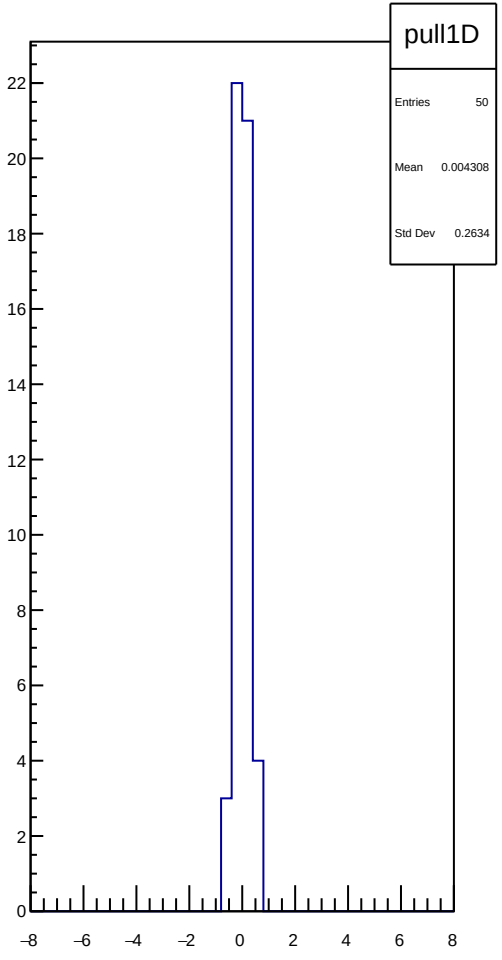

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.24 / 49
p0 −7.088 ± 0.4138
pull
Entries 50
Mean 674.9
Std Dev 0

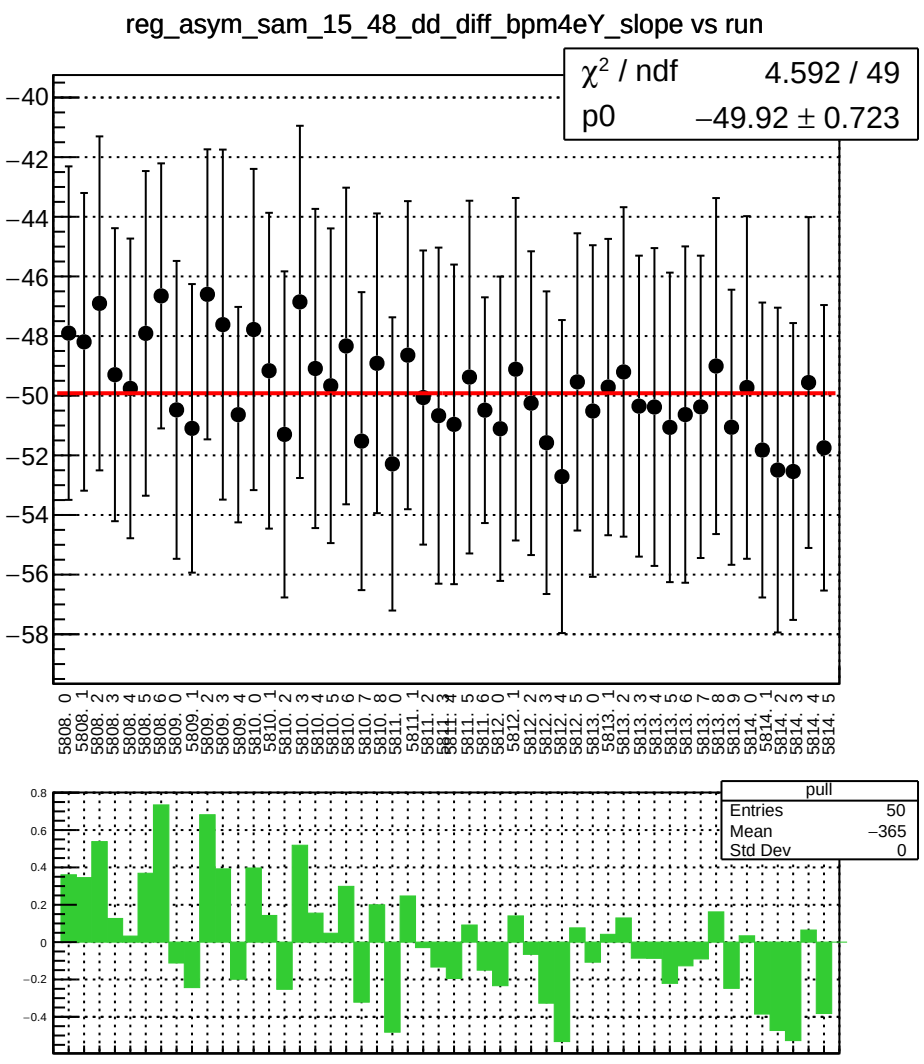

pull1D
Entries 50
Mean −0.00346
Std Dev 0.2545

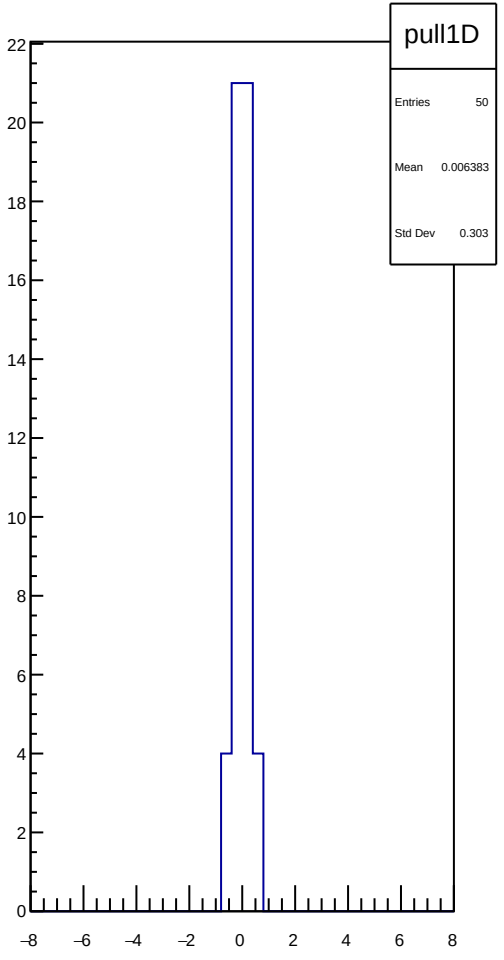

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 3.813 / 49
p0 4.376 ± 0.661
pull
Entries 50
Mean −540.5
Std Dev 0

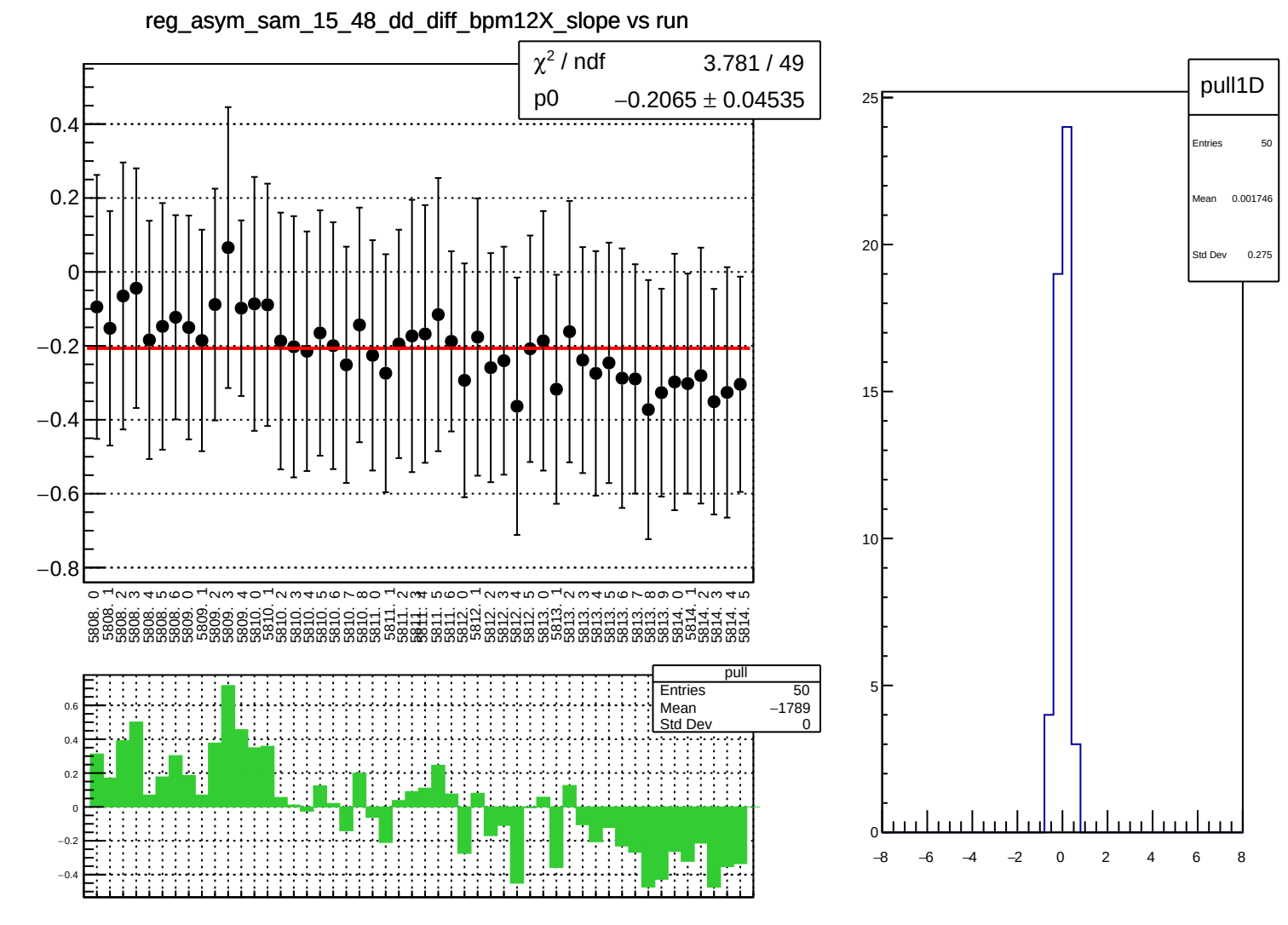

pull1D
Entries 50
Mean −0.003309
Std Dev 0.2761

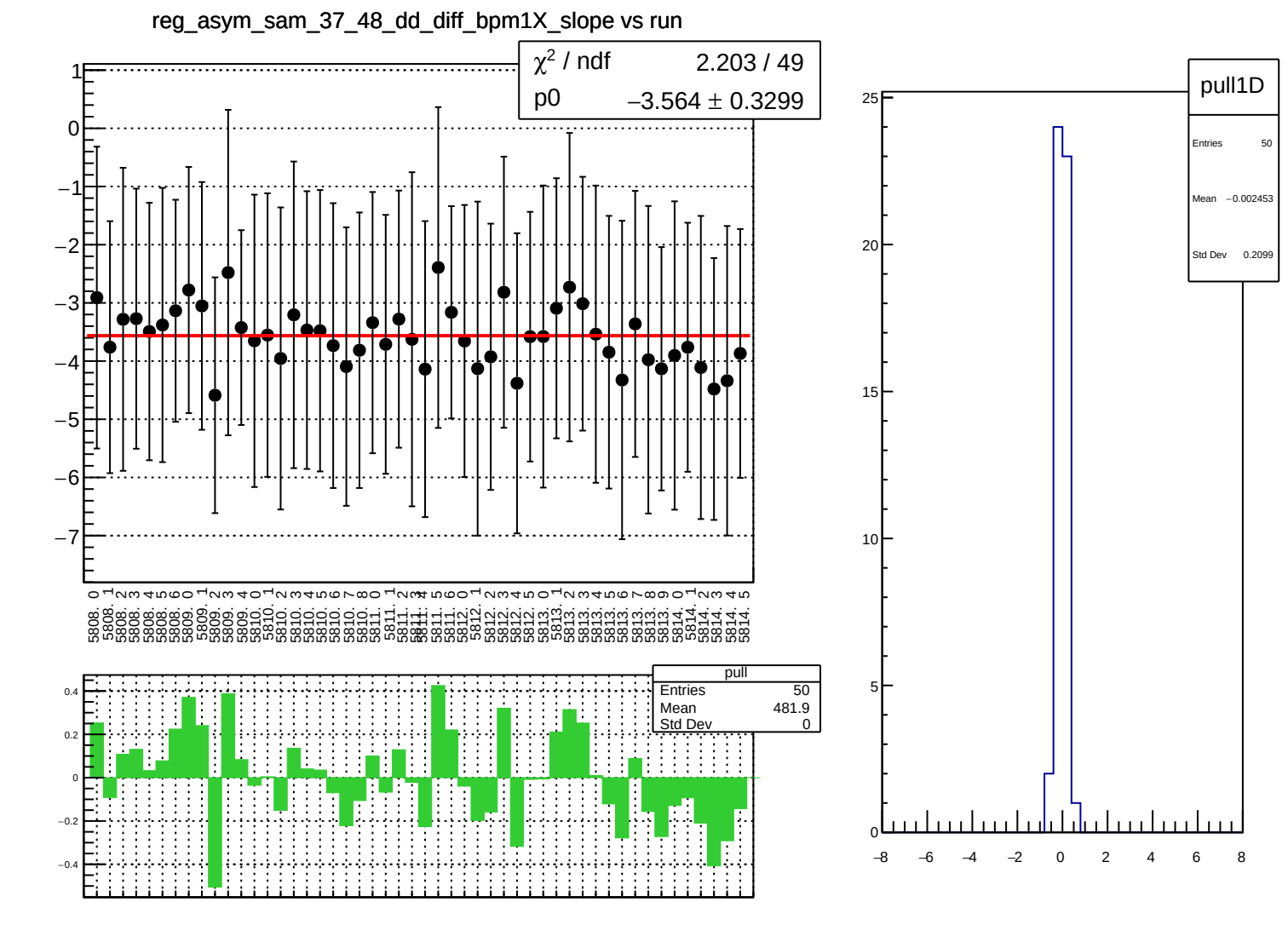

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.47 / 49
p0 39.61 ± 0.5929
pull
Entries 50
Mean 524.9
Std Dev 0

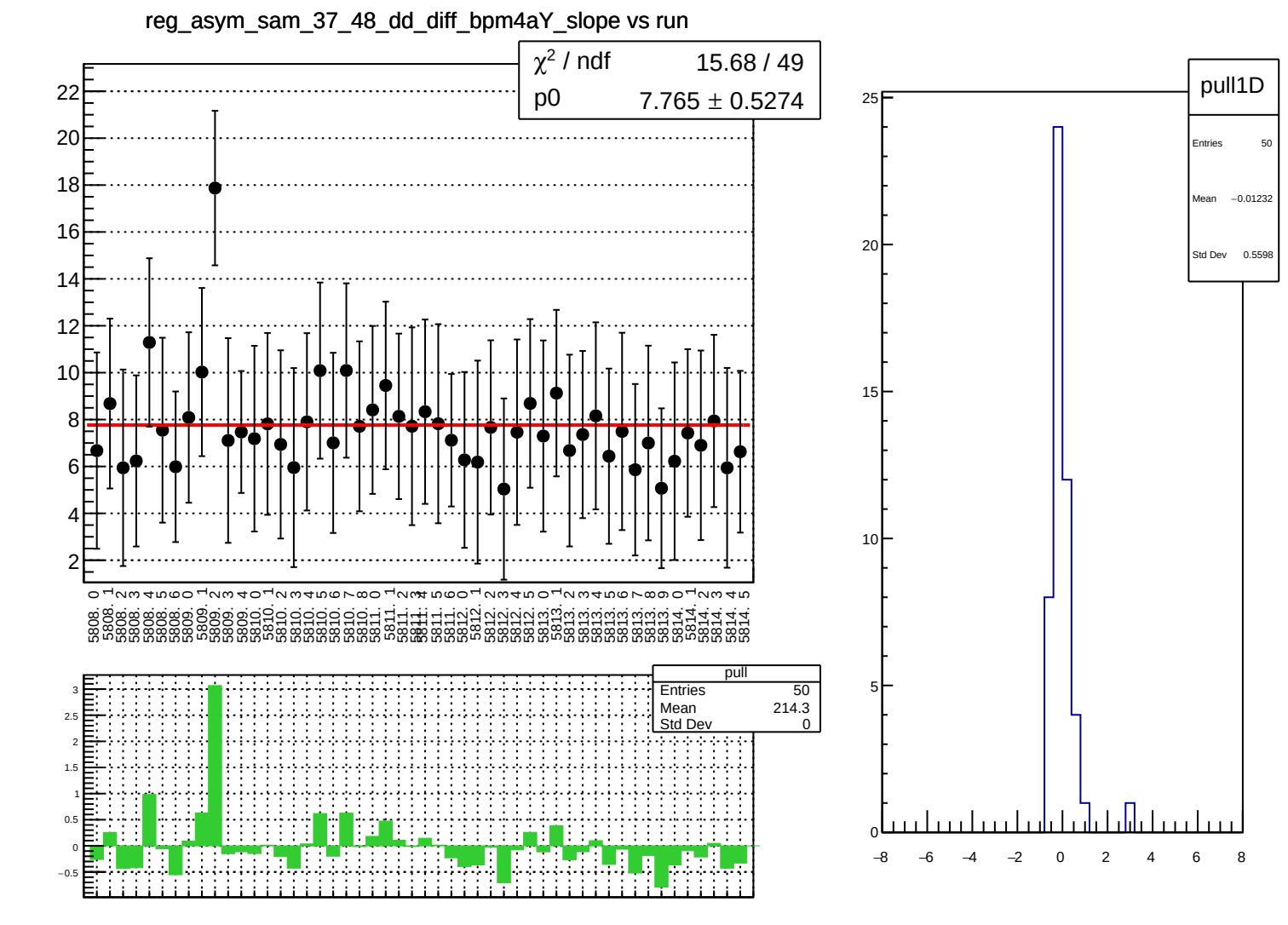

pull1D
Entries 50
Mean 0.004308
Std Dev 0.2634

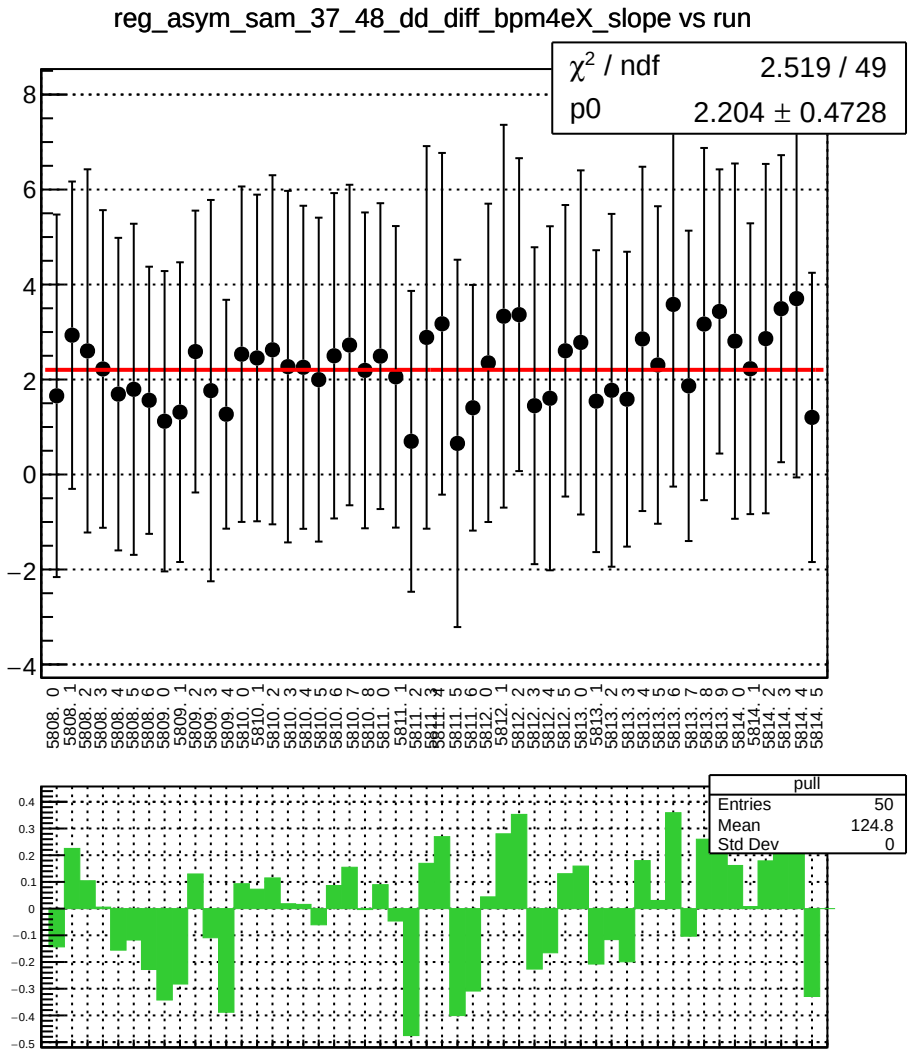

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 4.592 / 49
p0 −49.92 ± 0.723
pull
Entries 50
Mean −365
Std Dev 0

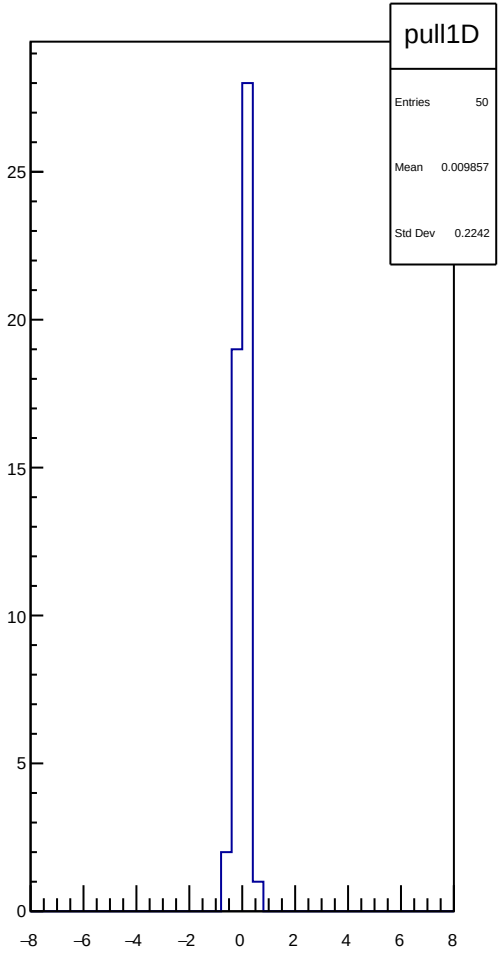

pull1D
Entries 50
Mean 0.006383
Std Dev 0.303

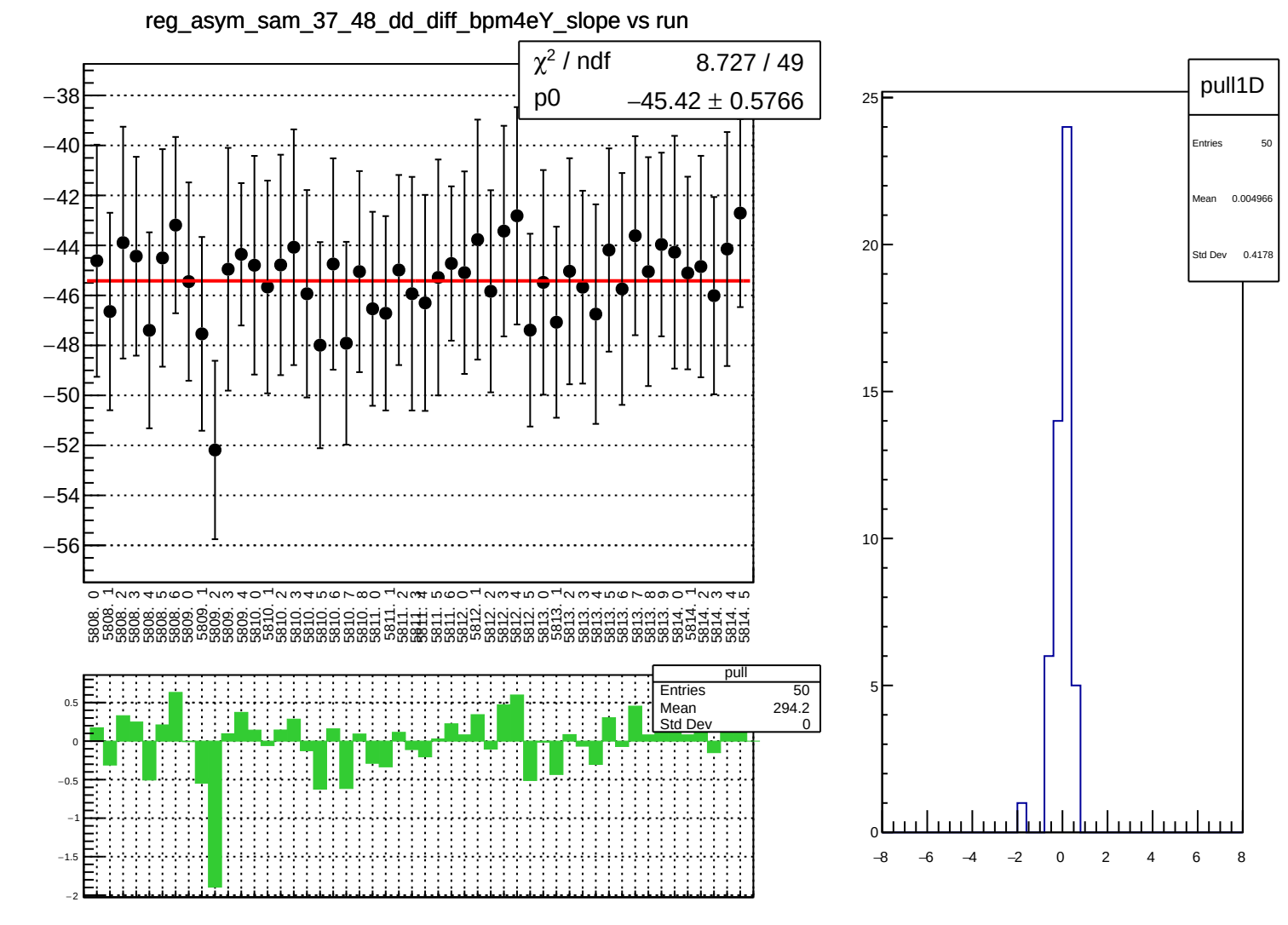

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.781 / 49
p0 −0.2065 ± 0.04535
pull
Entries 50
Mean −1789
Std Dev 0
pull1D
Entries 50
Mean 0.001746
Std Dev 0.275

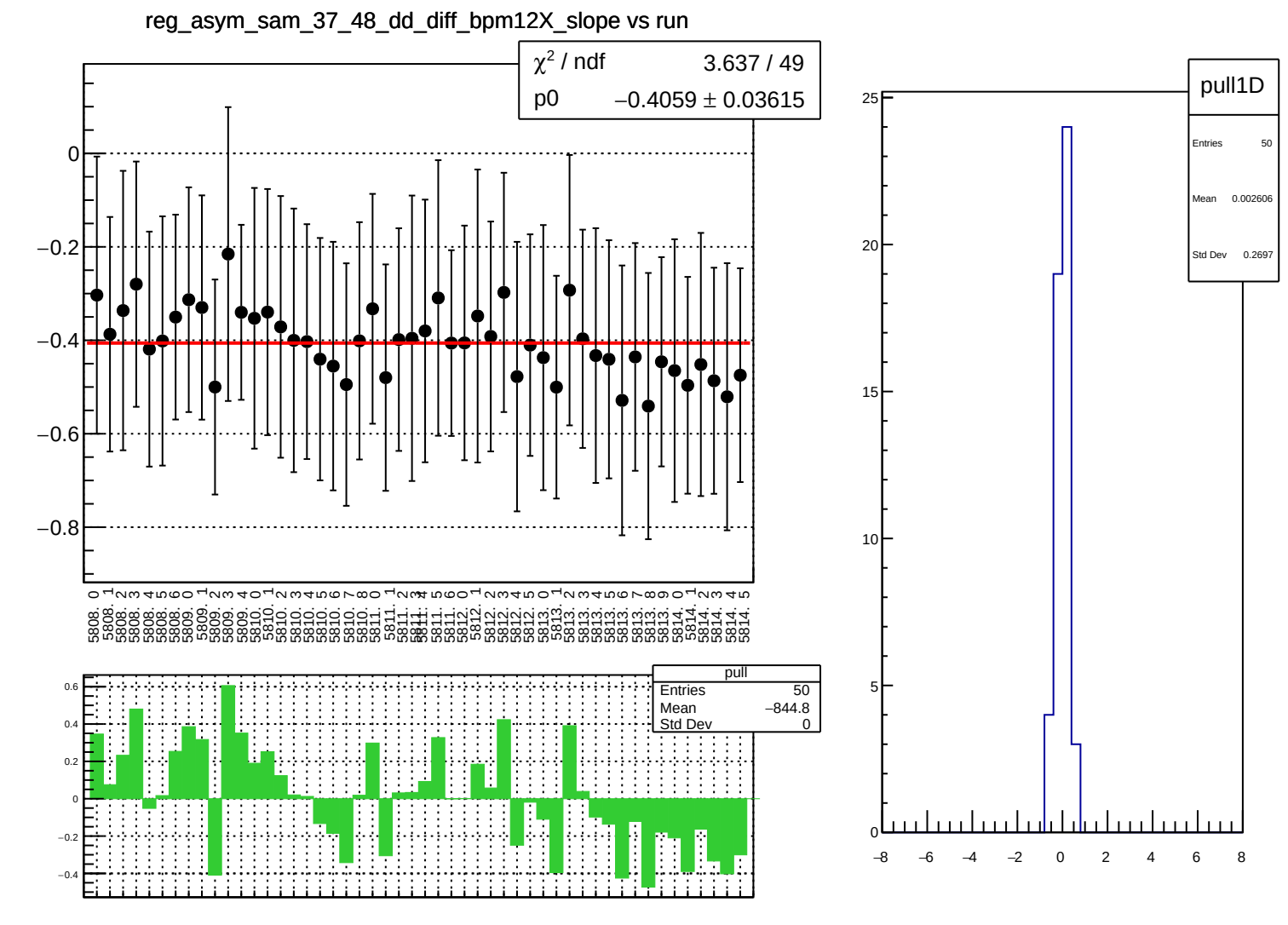

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 2.203 / 49
p0 −3.564 ± 0.3299
pull
Entries 50
Mean 481.9
Std Dev 0
pull1D
Entries 50
Mean −0.002453
Std Dev 0.2099

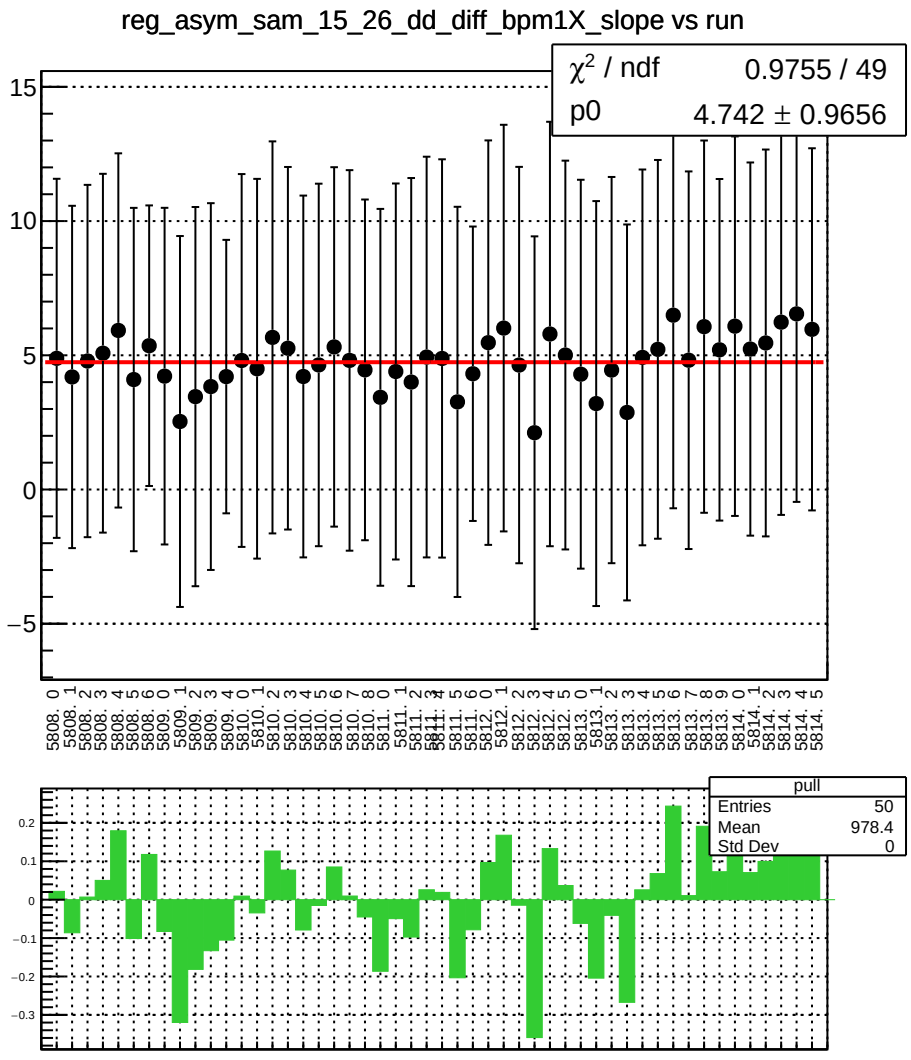

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 15.68 / 49
p0 7.765 ± 0.5274
pull
Entries 50
Mean 214.3
Std Dev 0
pull1D
Entries 50
Mean −0.01232
Std Dev 0.5598

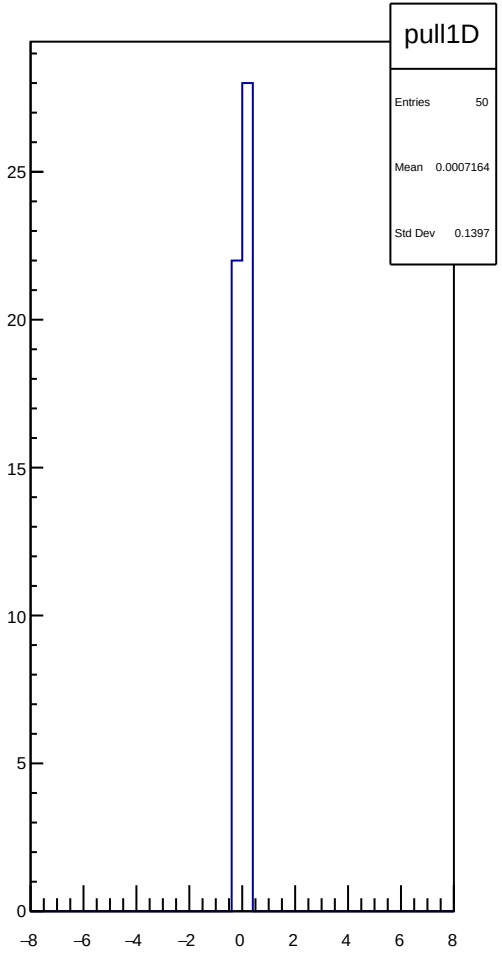

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.519 / 49
p0 2.204 ± 0.4728
pull
Entries 50
Mean 124.8
Std Dev 0

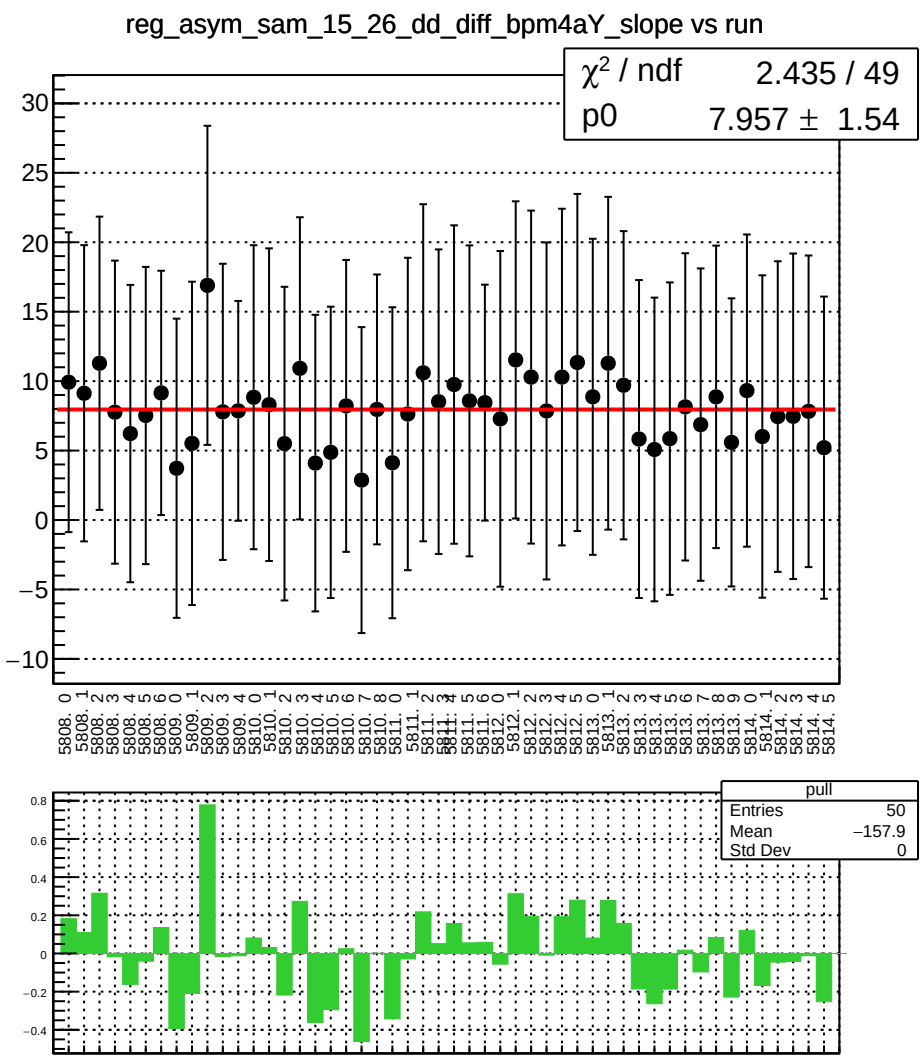

pull1D
Entries 50
Mean 0.009857
Std Dev 0.2242

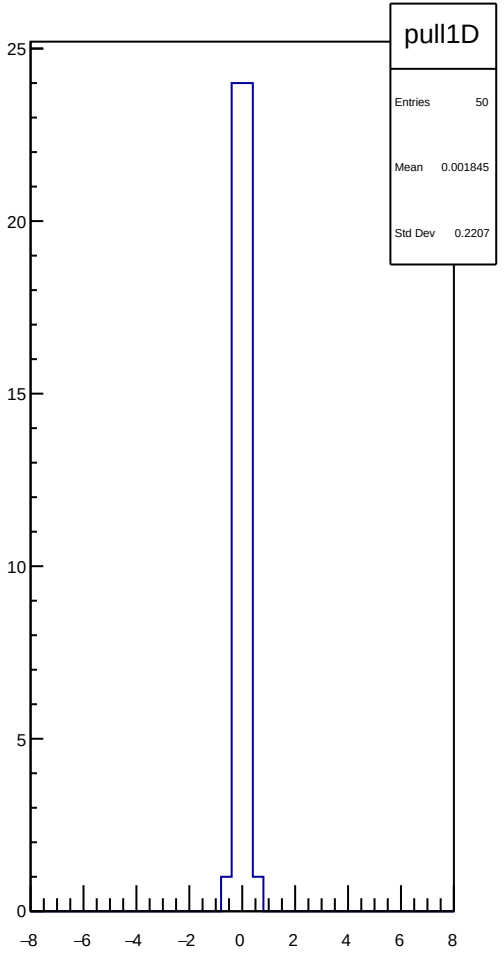

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.727 / 49
p0 −45.42 ± 0.5766
pull
Entries 50
Mean 294.2
Std Dev 0
pull1D
Entries 50
Mean 0.004966
Std Dev 0.4178

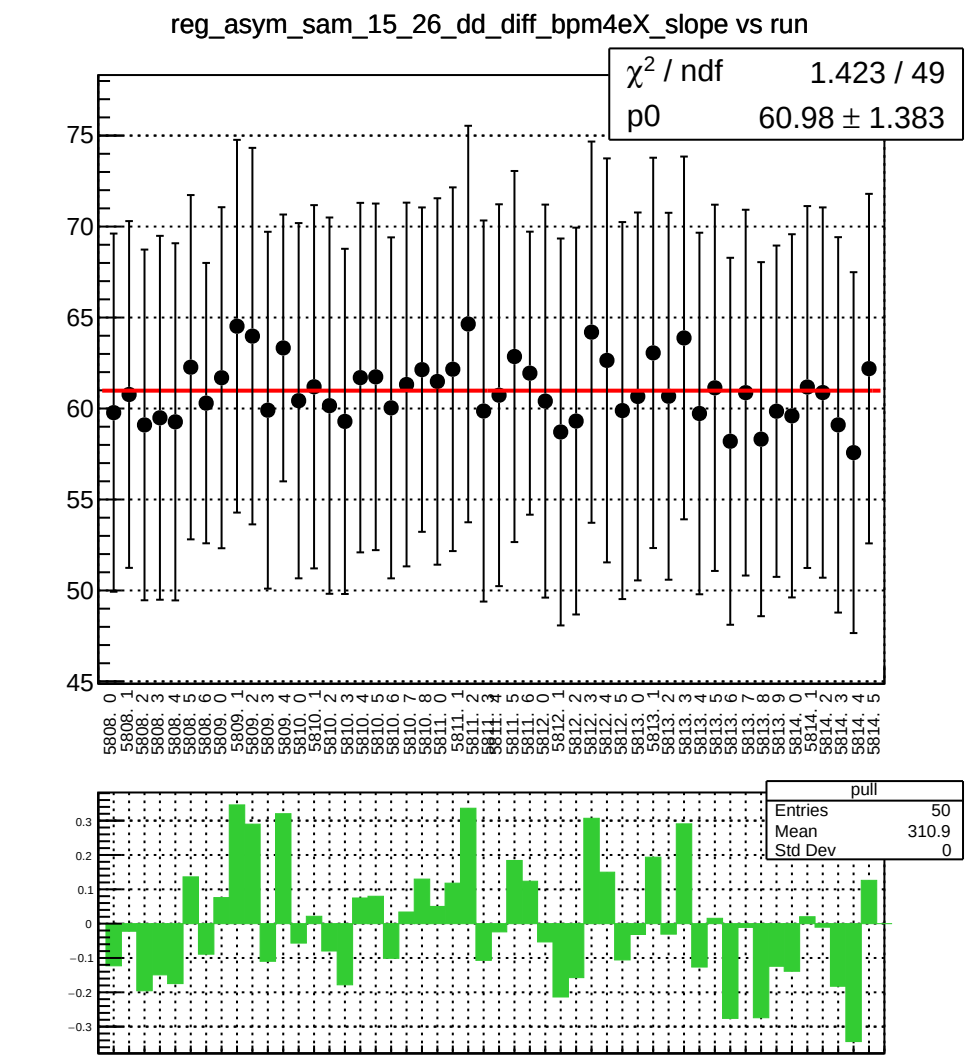

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 3.637 / 49
p0 −0.4059 ± 0.03615
pull
Entries 50
Mean −844.8
Std Dev 0
pull1D
Entries 50
Mean 0.002606
Std Dev 0.2697

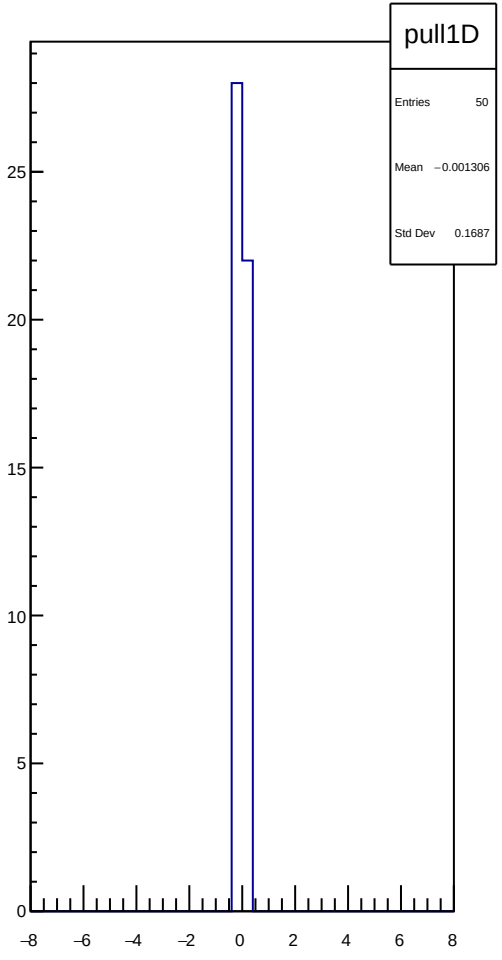

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9755 / 49
p0 4.742 ± 0.9656
pull
Entries 50
Mean 978.4
Std Dev 0

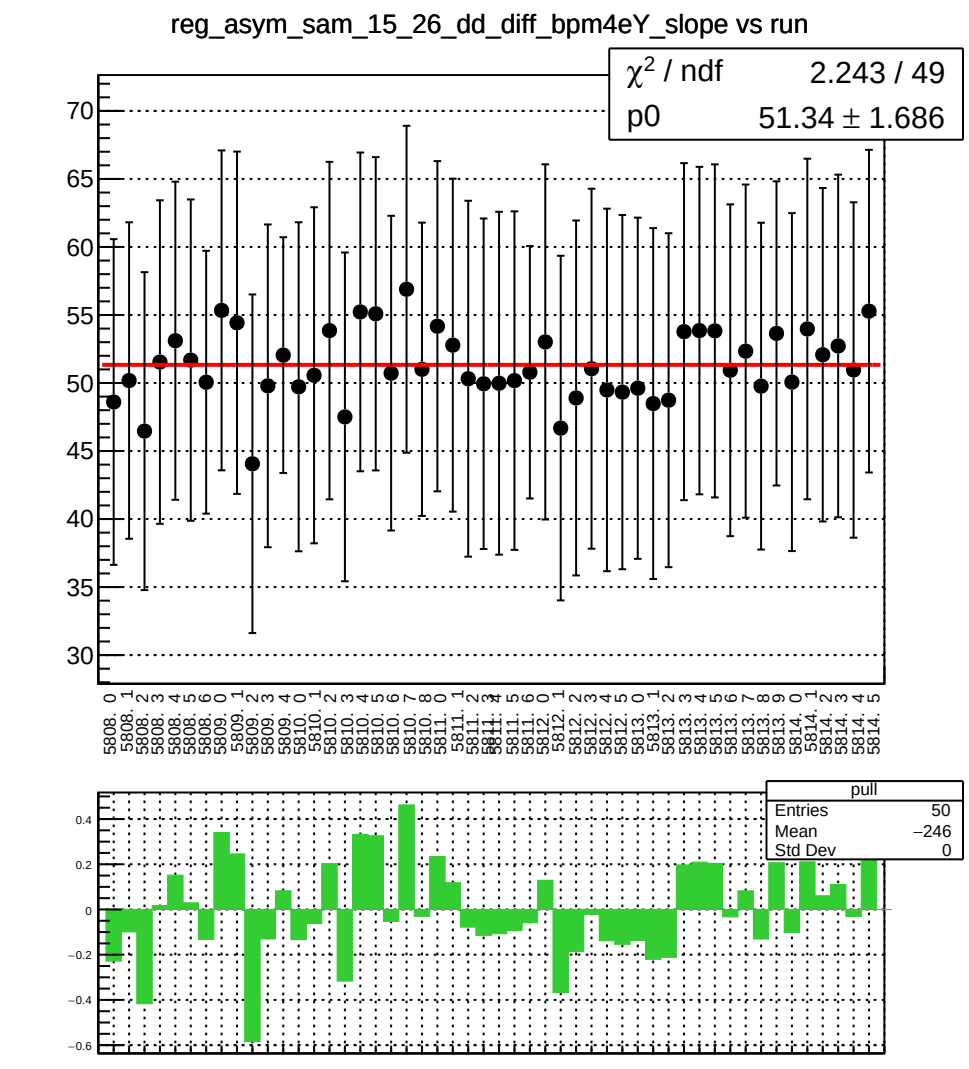

pull1D
Entries 50
Mean 0.0007164
Std Dev 0.1397

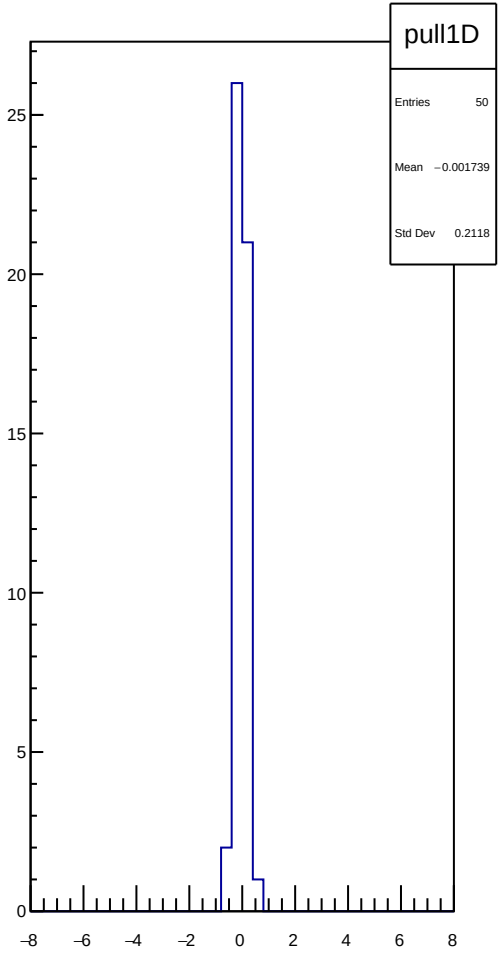

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 2.435 / 49
p0 7.957 ± 1.54
pull
Entries 50
Mean −157.9
Std Dev 0

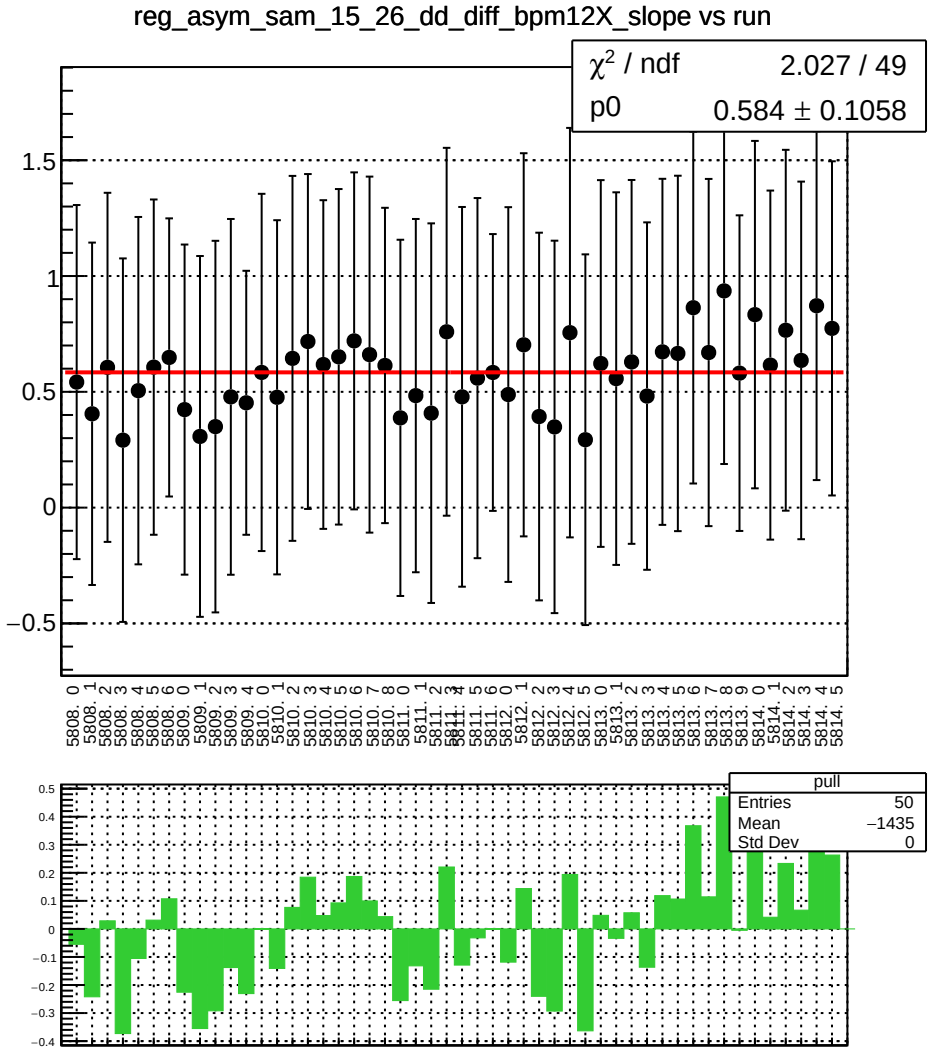

pull1D
Entries 50
Mean 0.001845
Std Dev 0.2207

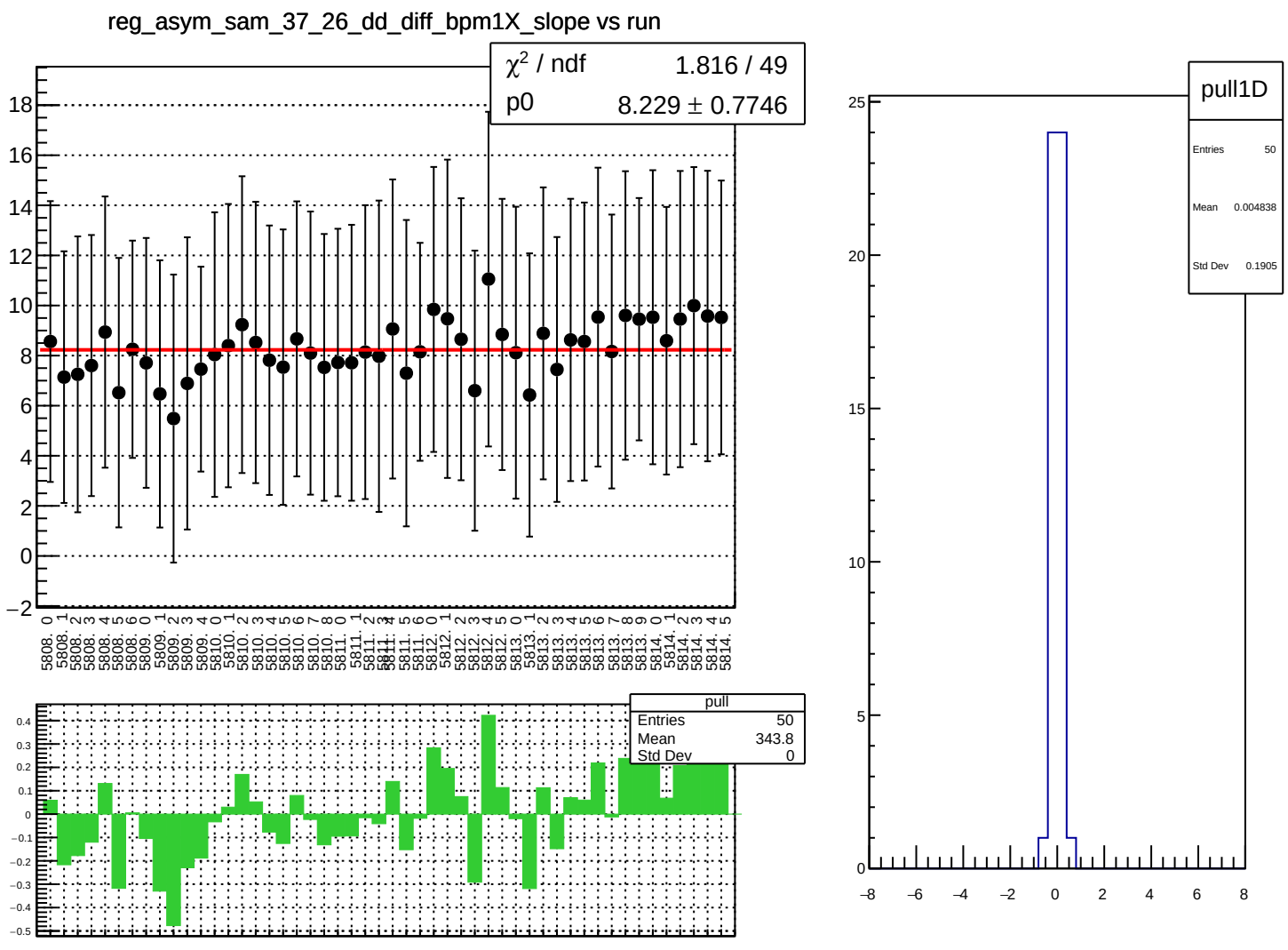

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.423 / 49
p0 60.98 ± 1.383
pull
Entries 50
Mean 310.9
Std Dev 0

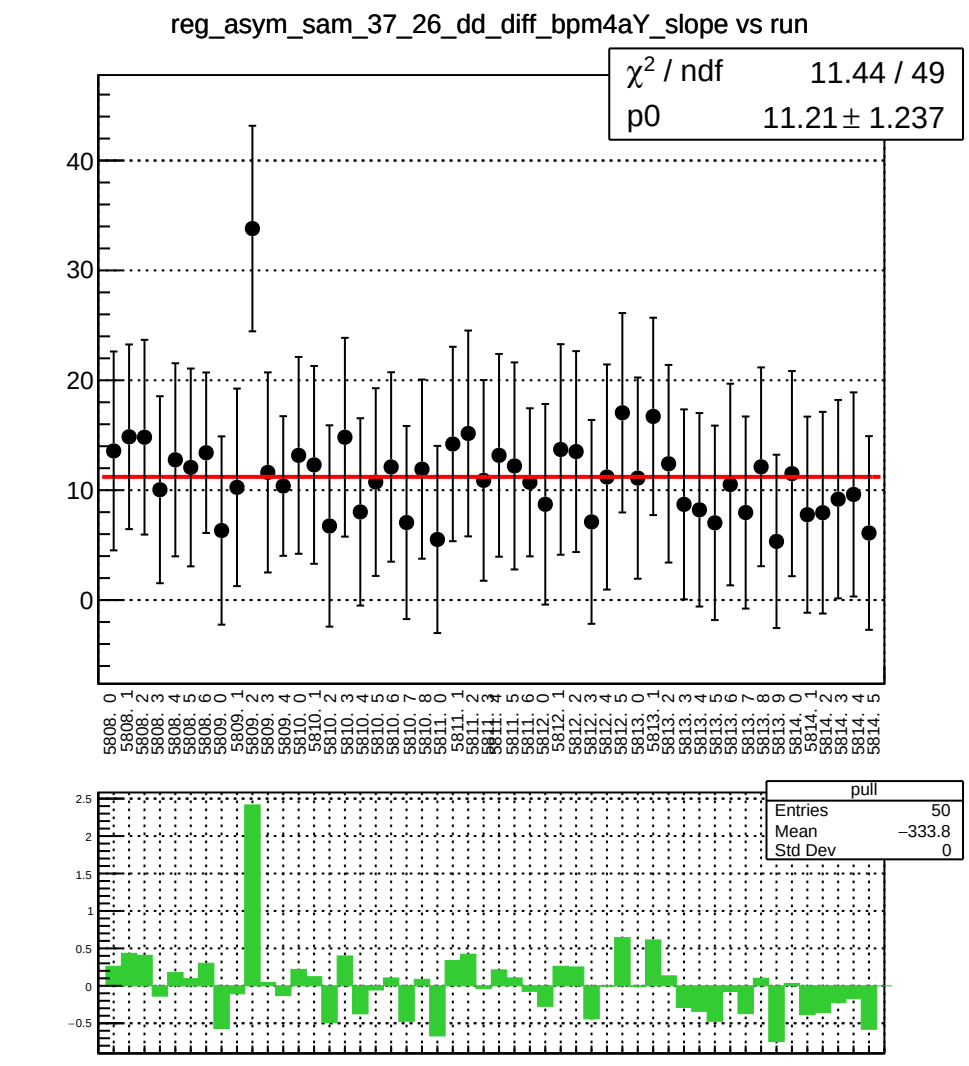

pull1D
Entries 50
Mean −0.001306
Std Dev 0.1687

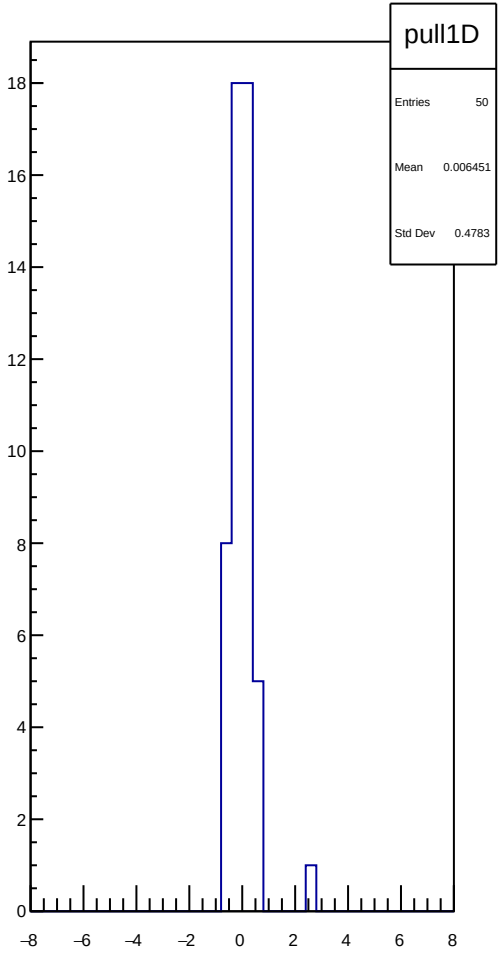

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.243 / 49
p0 51.34 ± 1.686
pull
Entries 50
Mean −246
Std Dev 0

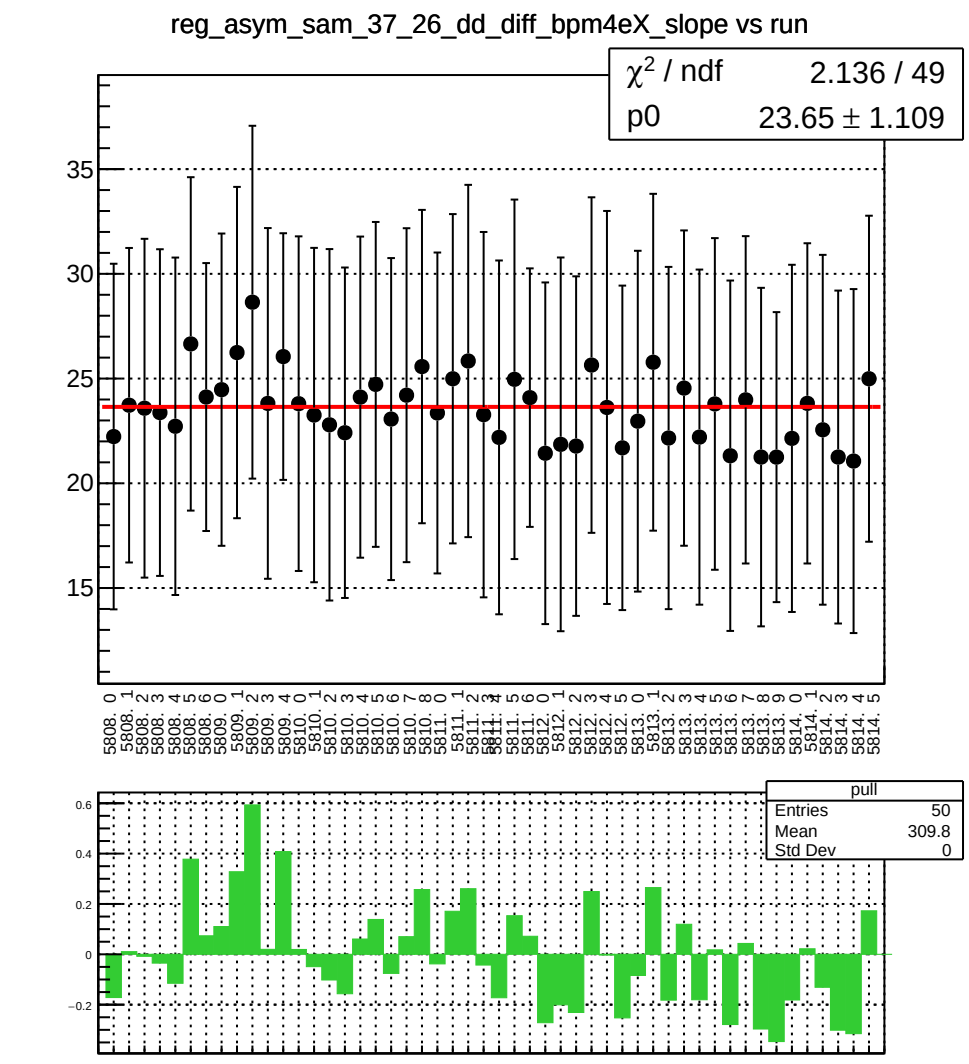

pull1D
Entries 50
Mean −0.001739
Std Dev 0.2118

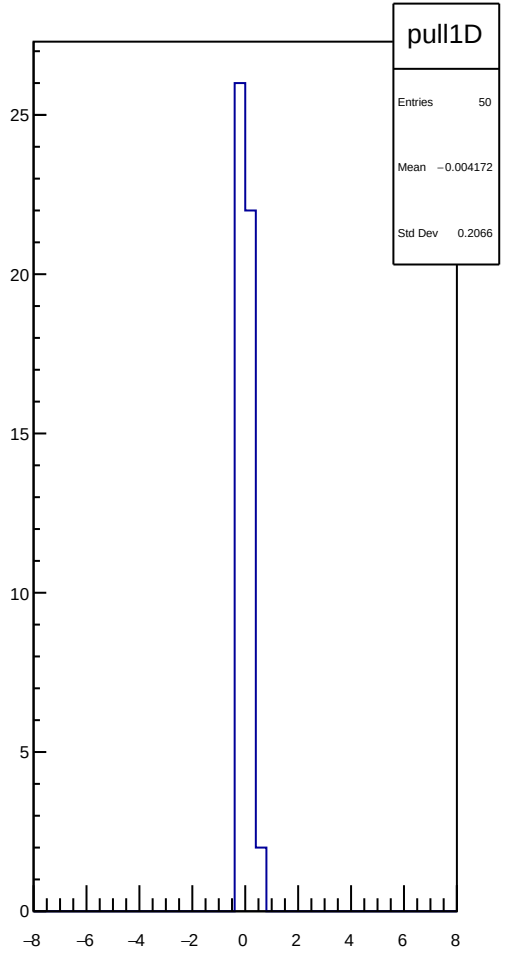

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.027 / 49
p0 0.584 ± 0.1058
pull
Entries 50
Mean −1435
Std Dev 0
pull1D
Entries 50
Mean −0.001005
Std Dev 0.2013

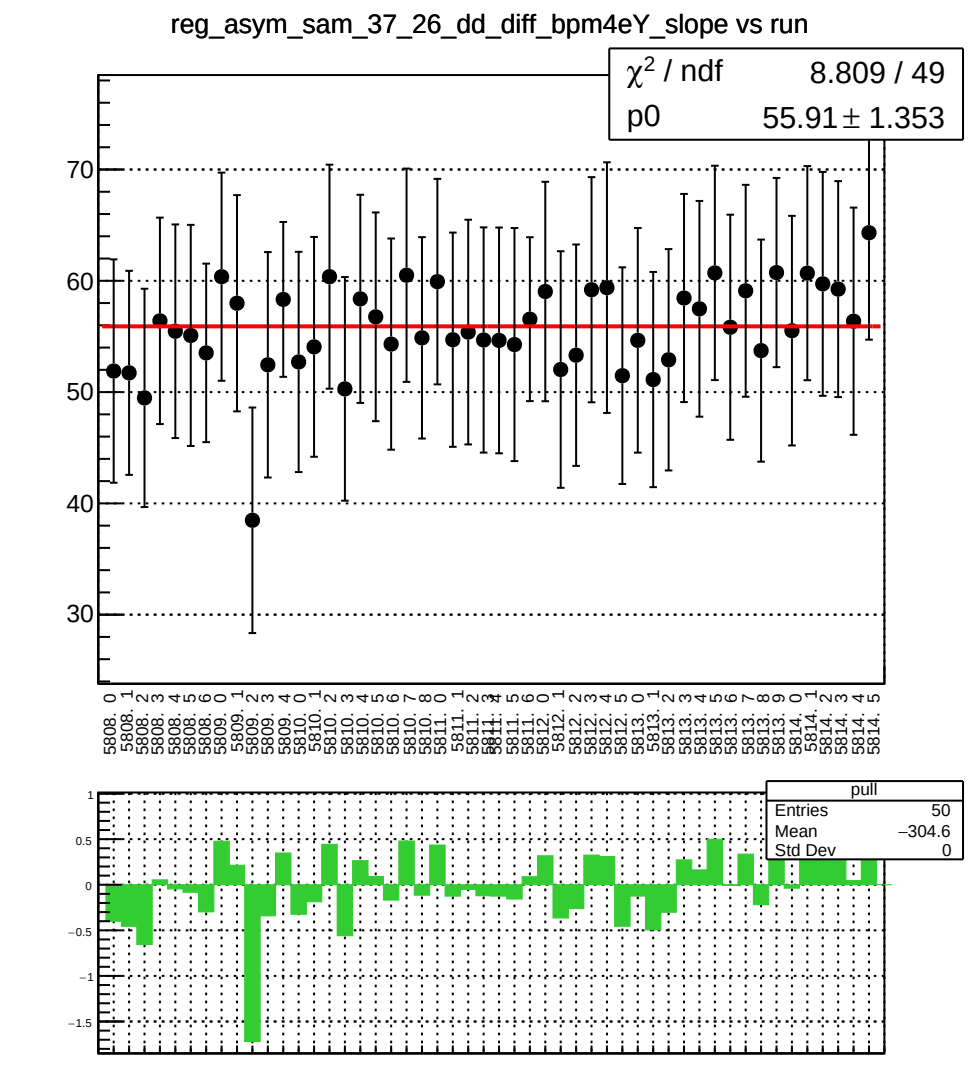

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 1.816 / 49
p0 8.229 ± 0.7746
pull
Entries 50
Mean 343.8
Std Dev 0
pull1D
Entries 50
Mean 0.004838
Std Dev 0.1905

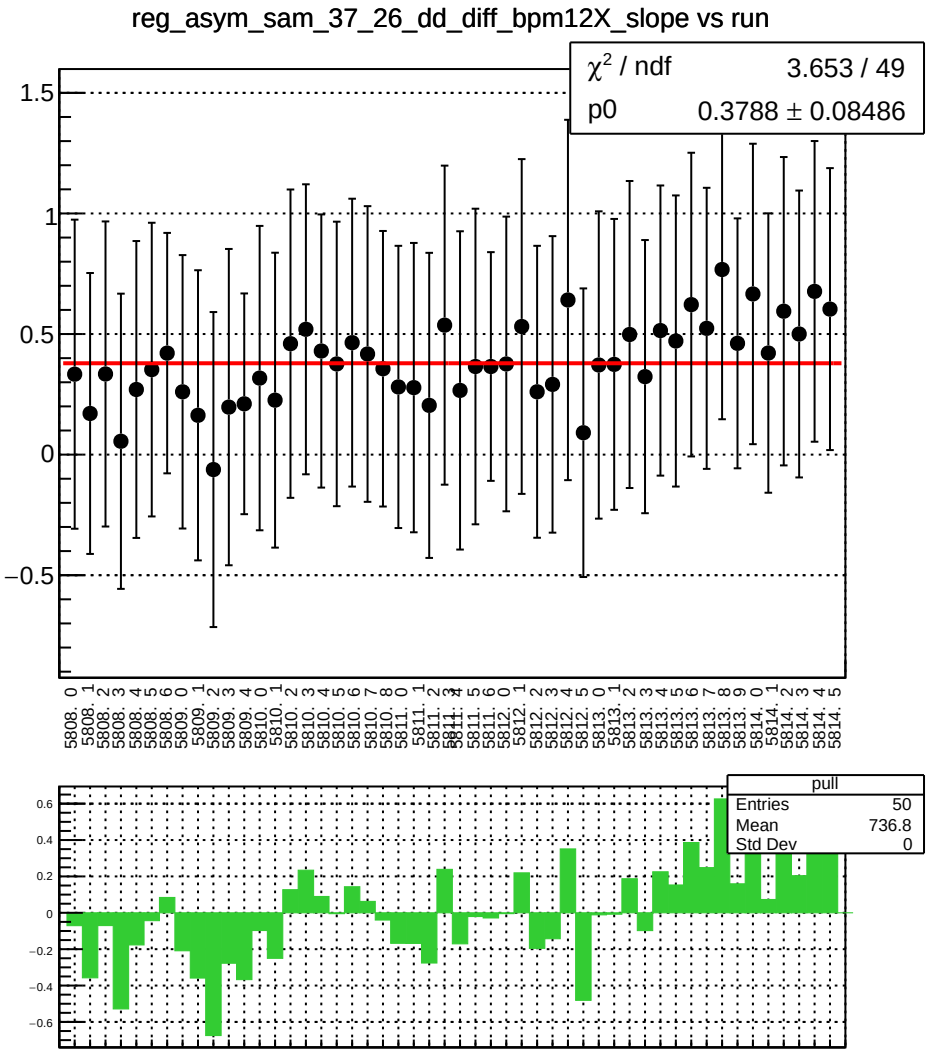

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.44 / 49
p0 11.21 ± 1.237
pull
Entries 50
Mean −333.8
Std Dev 0

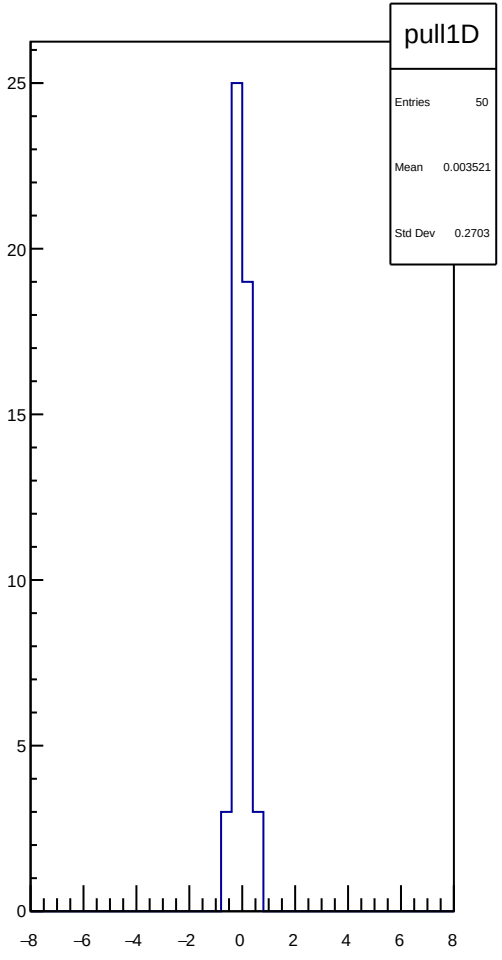

pull1D
Entries 50
Mean 0.006451
Std Dev 0.4783

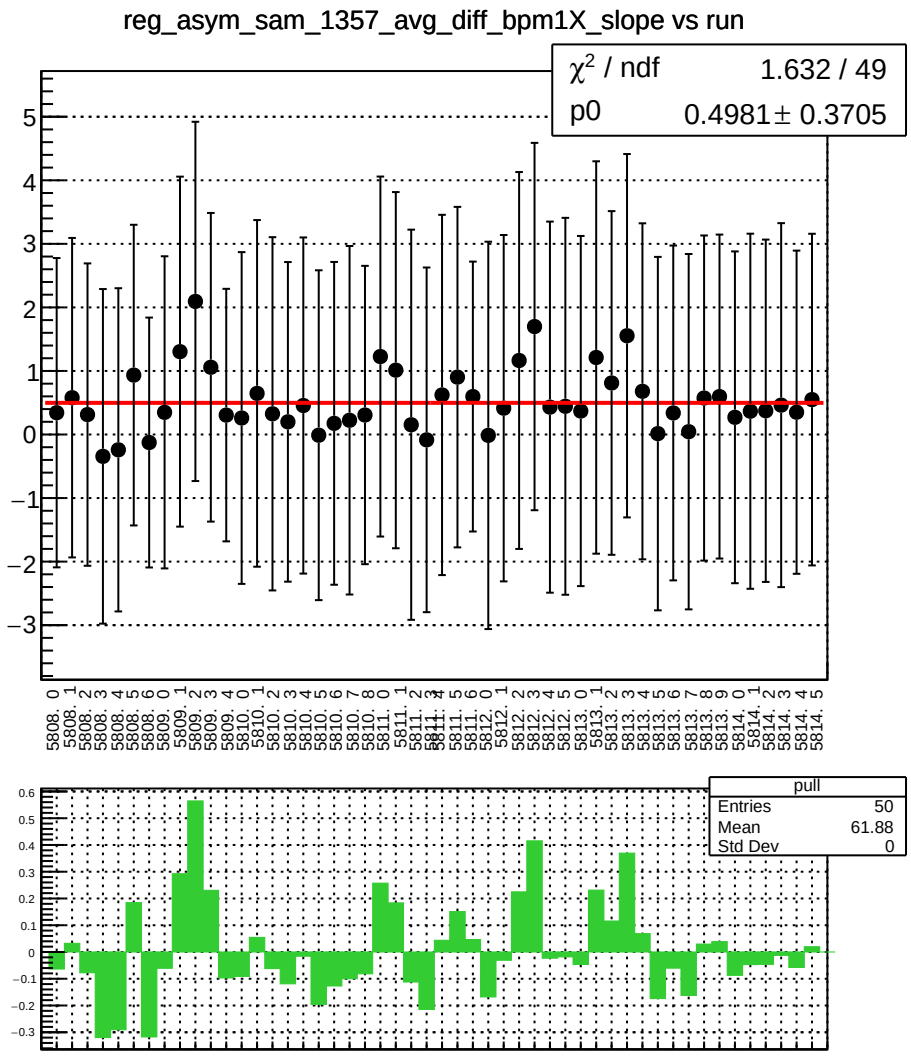

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 2.136 / 49
p0 23.65 ± 1.109
pull
Entries 50
Mean 309.8
Std Dev 0

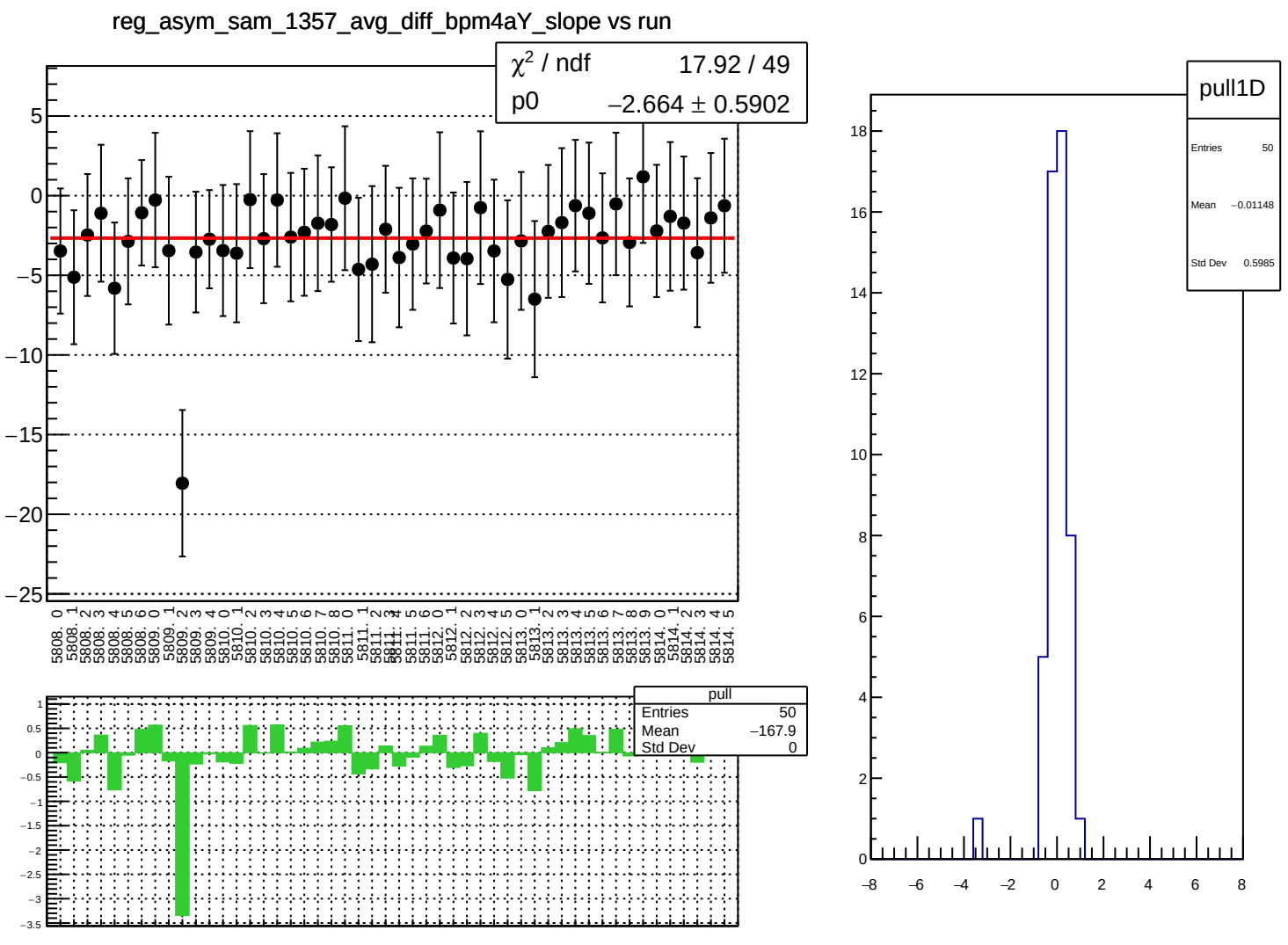

pull1D
Entries 50
Mean −0.004172
Std Dev 0.2066

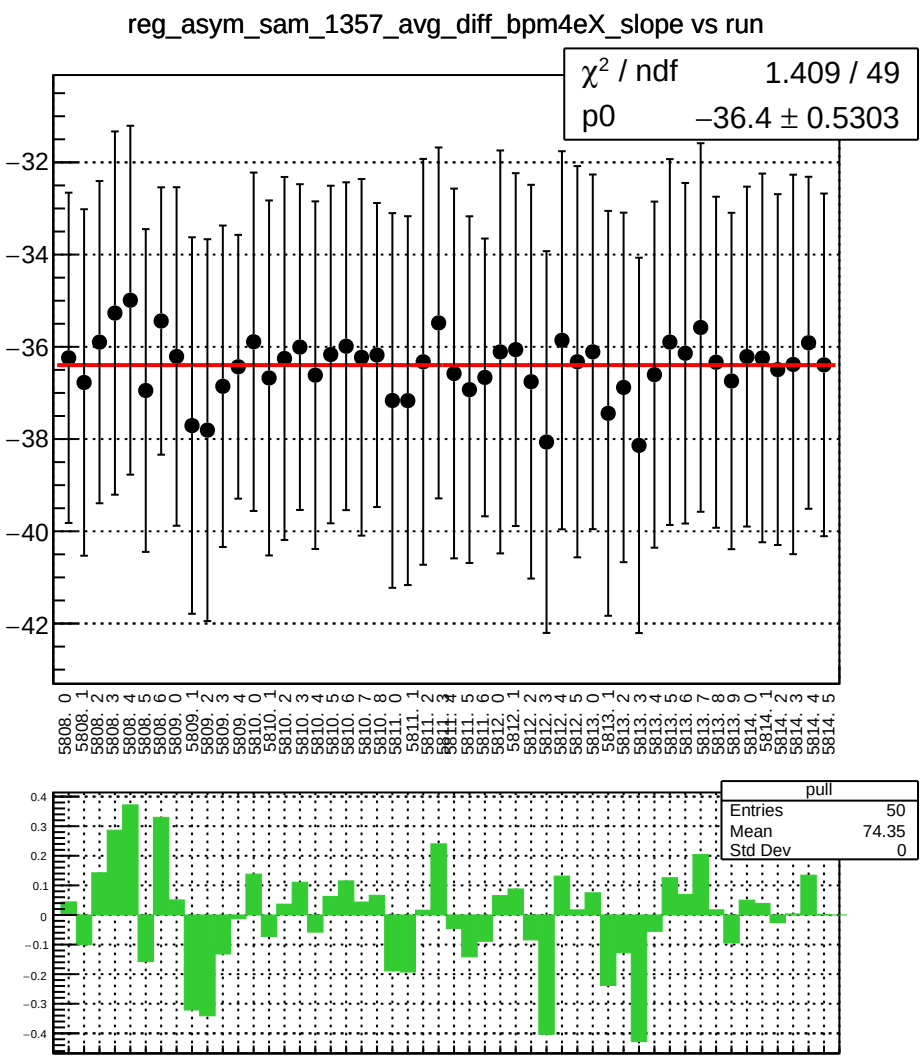

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.809 / 49
p0 55.91 ± 1.353
70
60
50
40
30
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −304.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.007312
Std Dev 0.4197
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

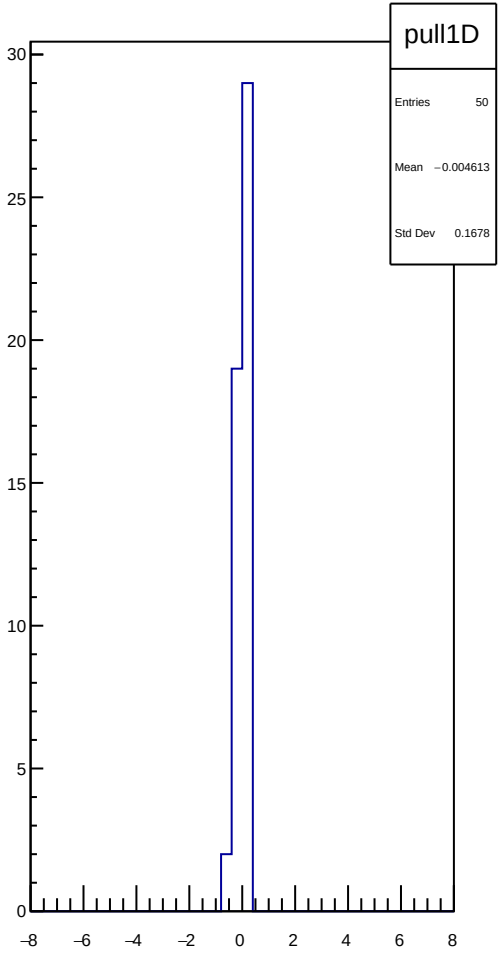

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 3.653 / 49
p0 0.3788 ± 0.08486
pull
Entries 50
Mean 736.8
Std Dev 0

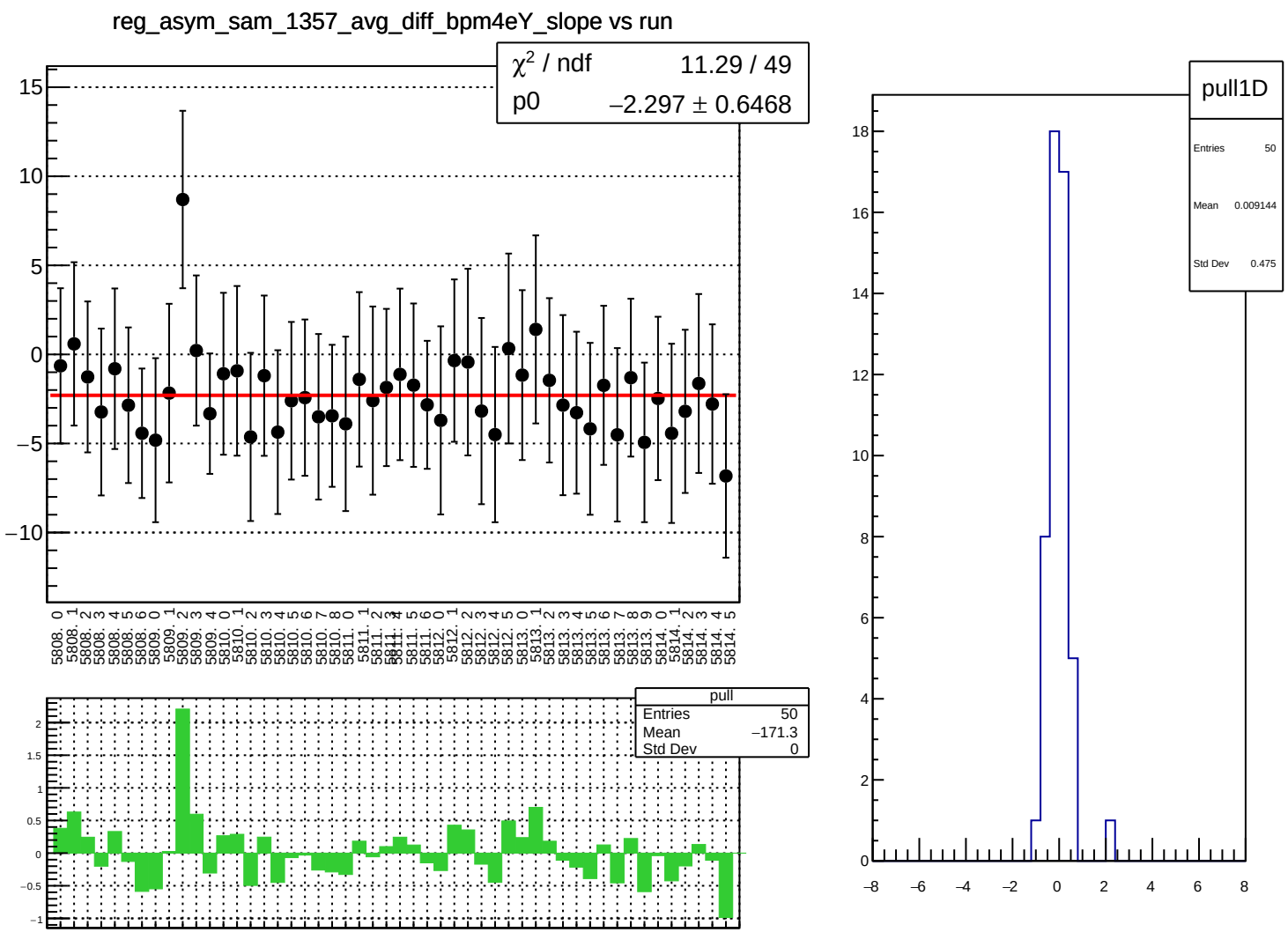

pull1D
Entries 50
Mean 0.003521
Std Dev 0.2703

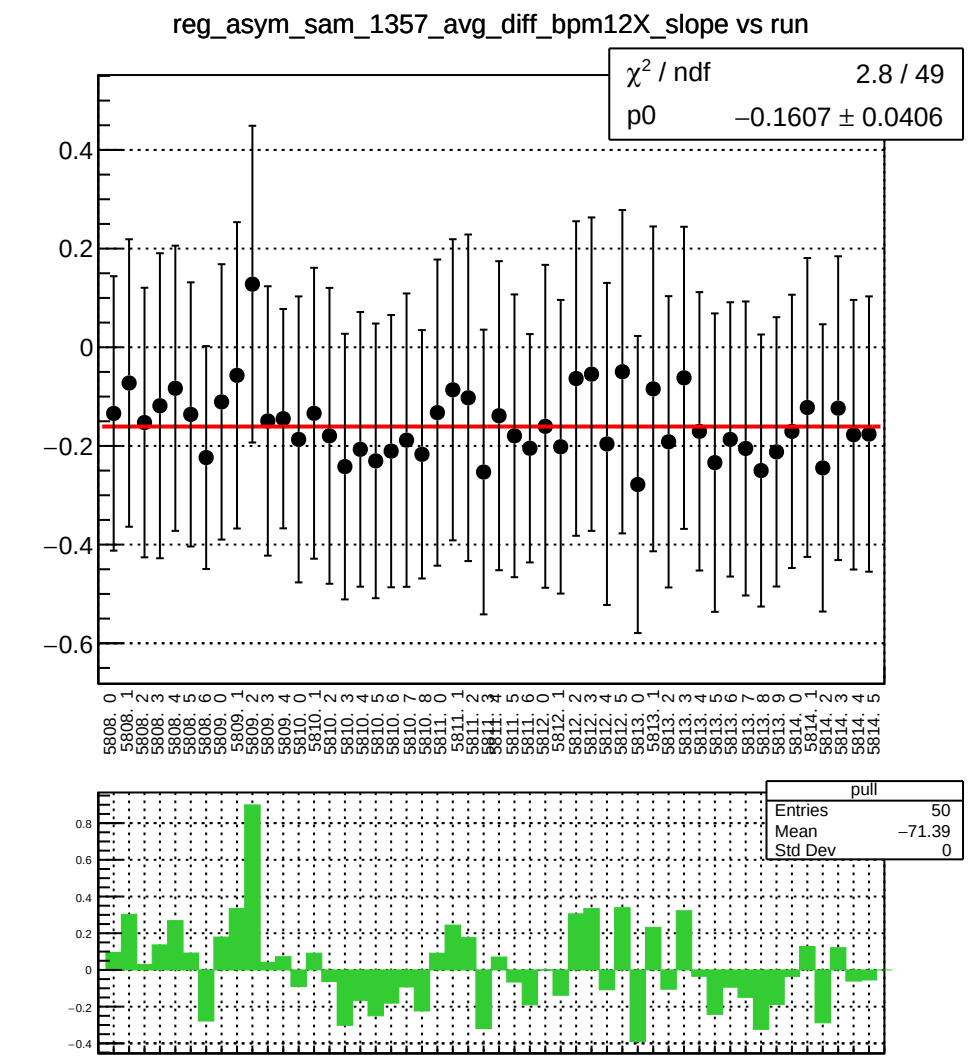

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 1.632 / 49
p0 0.4981 ± 0.3705
pull
Entries 50
Mean 61.88
Std Dev 0
pull1D
Entries 50
Mean 0.005449
Std Dev 0.1806

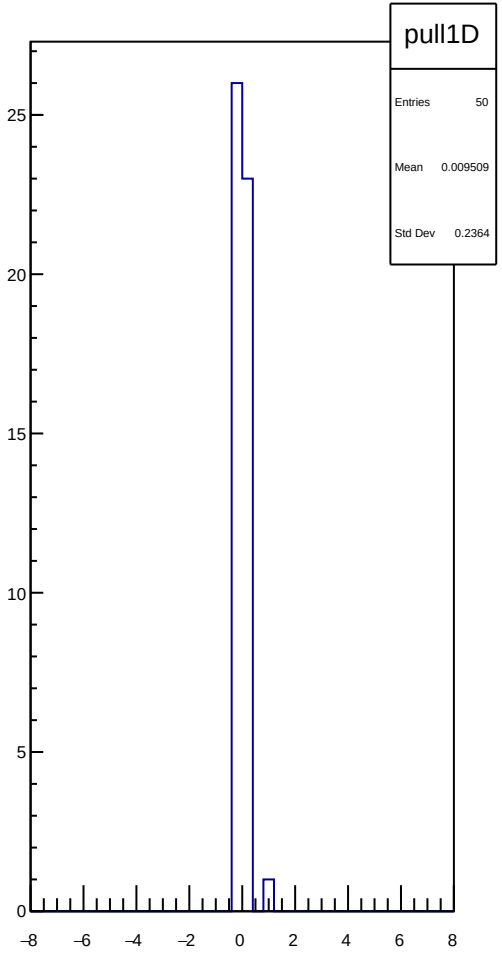

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.92 / 49
p0 −2.664 ± 0.5902
pull
Entries 50
Mean −167.9
Std Dev 0
pull1D
Entries 50
Mean −0.01148
Std Dev 0.5985

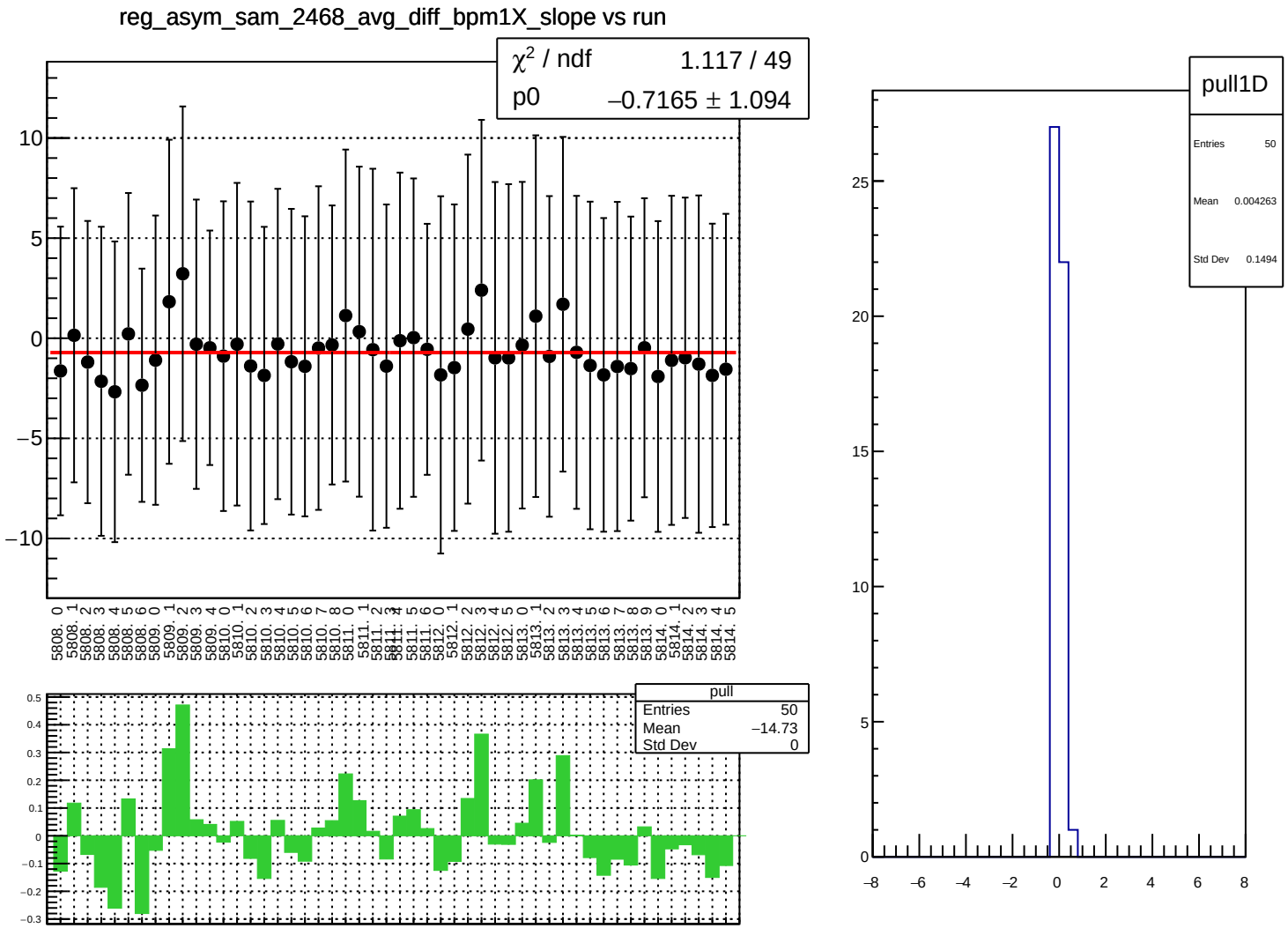

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.409 / 49
p0 −36.4 ± 0.5303
pull
Entries 50
Mean 74.35
Std Dev 0

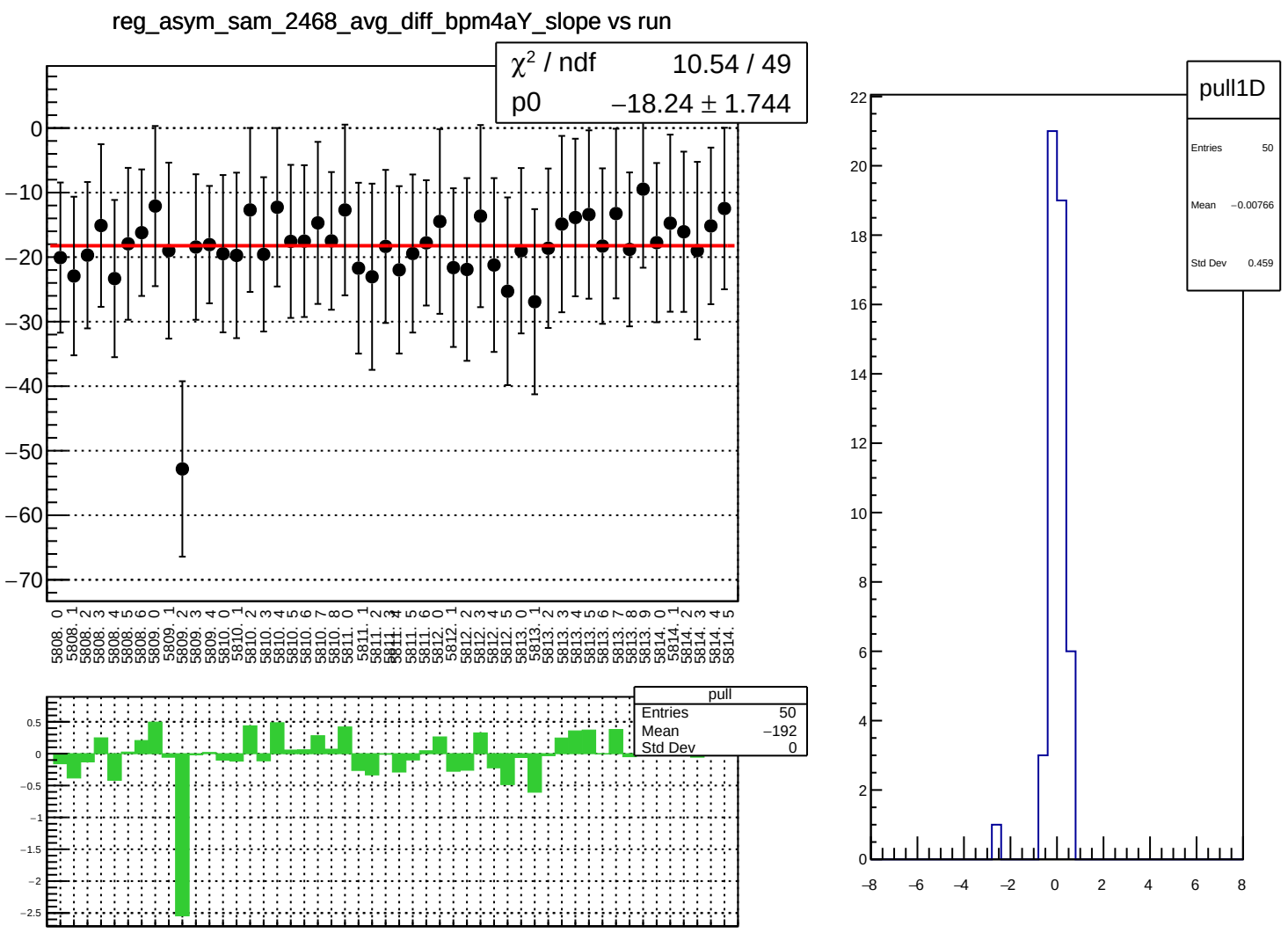

pull1D
Entries 50
Mean −0.004613
Std Dev 0.1678

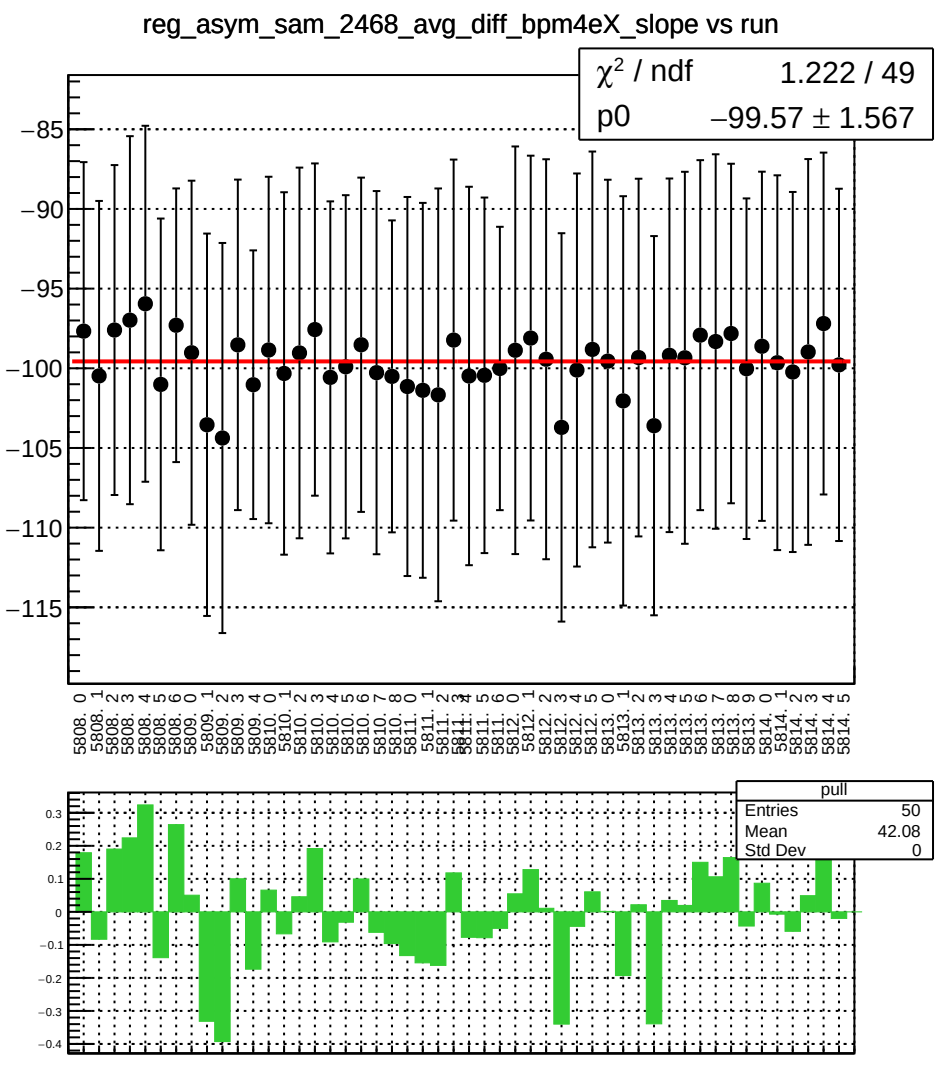

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.29 / 49
p0 −2.297 ± 0.6468
pull
Entries 50
Mean −171.3
Std Dev 0
pull1D
Entries 50
Mean 0.009144
Std Dev 0.475

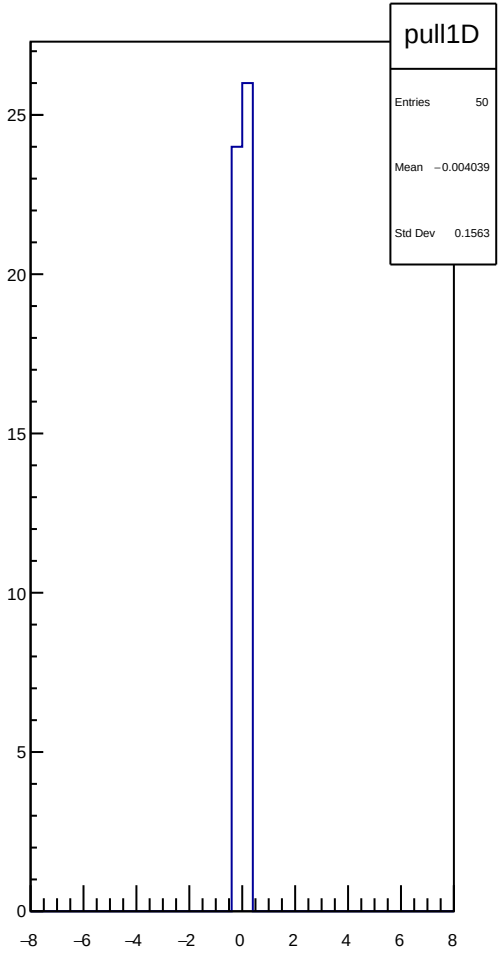

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 2.8 / 49
p0 −0.1607 ± 0.0406
pull
Entries 50
Mean −71.39
Std Dev 0

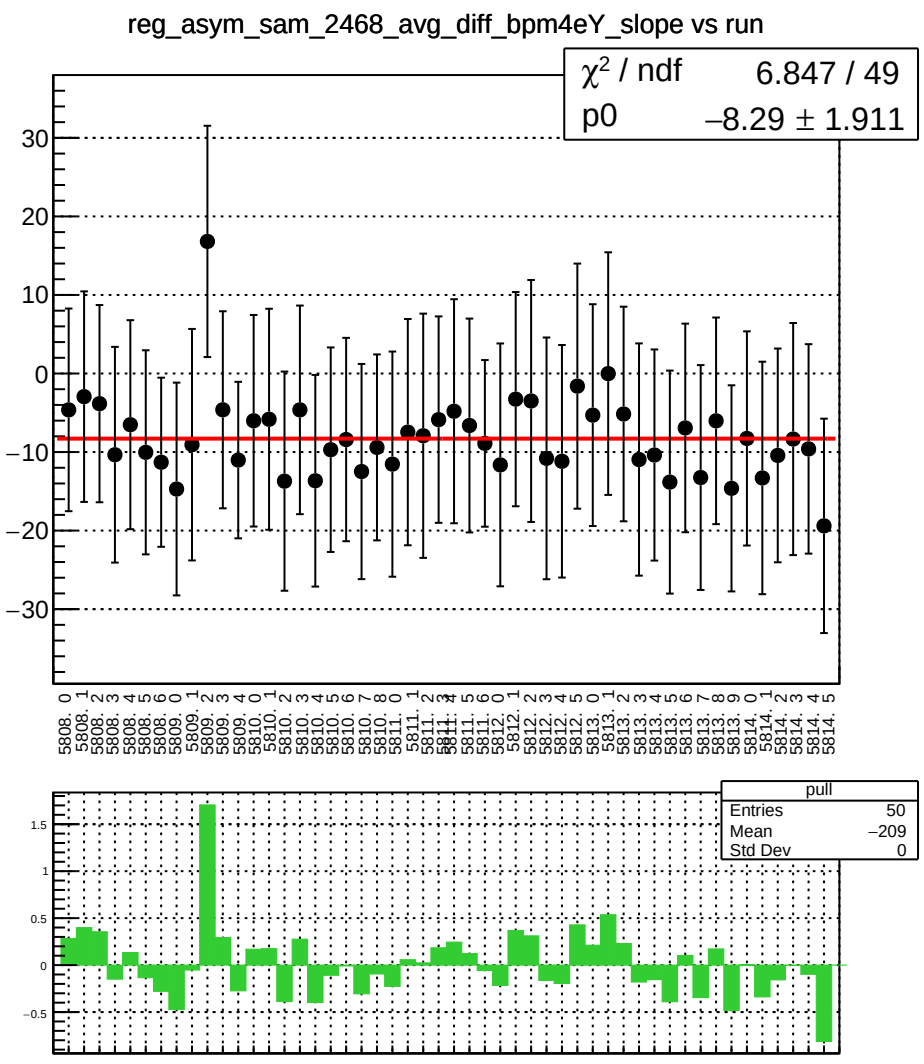

pull1D
Entries 50
Mean 0.009509
Std Dev 0.2364

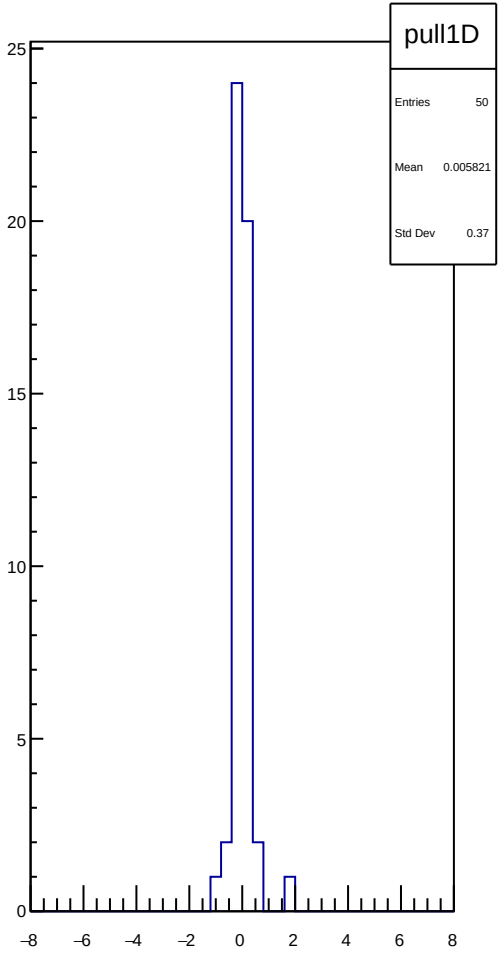

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 1.117 / 49
p0 −0.7165 ± 1.094
pull
Entries 50
Mean −14.73
Std Dev 0
pull1D
Entries 50
Mean 0.004263
Std Dev 0.1494

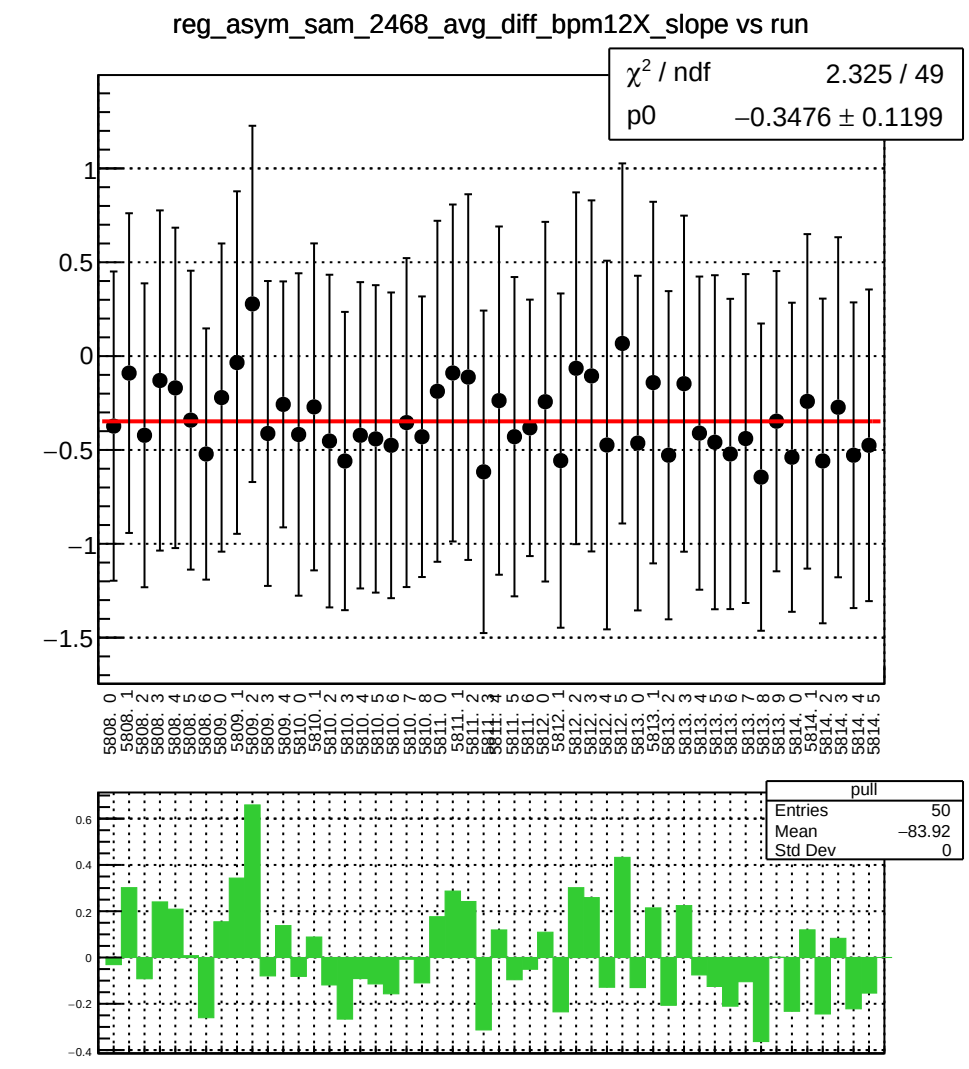

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.54 / 49
p0 −18.24 ± 1.744
pull
Entries 50
Mean −192
Std Dev 0
pull1D
Entries 50
Mean −0.00766
Std Dev 0.459

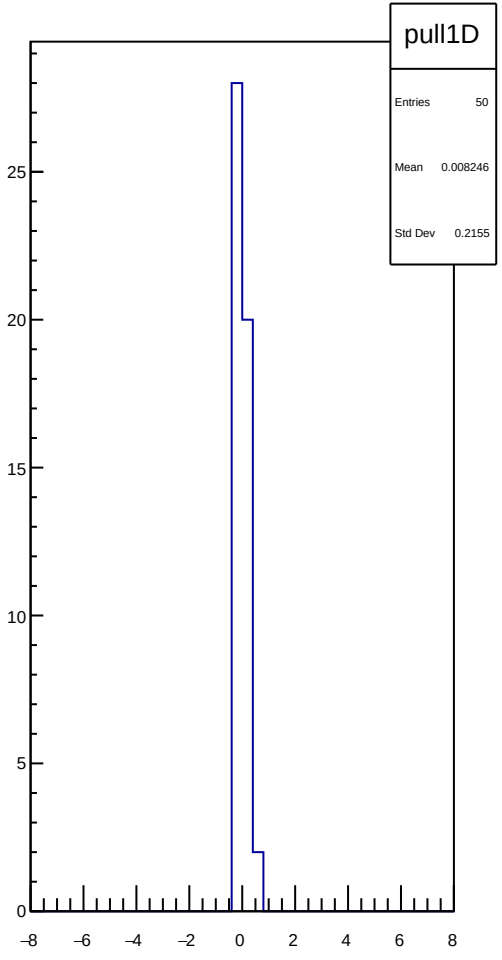

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.222 / 49
p0 −99.57 ± 1.567
pull
Entries 50
Mean 42.08
Std Dev 0

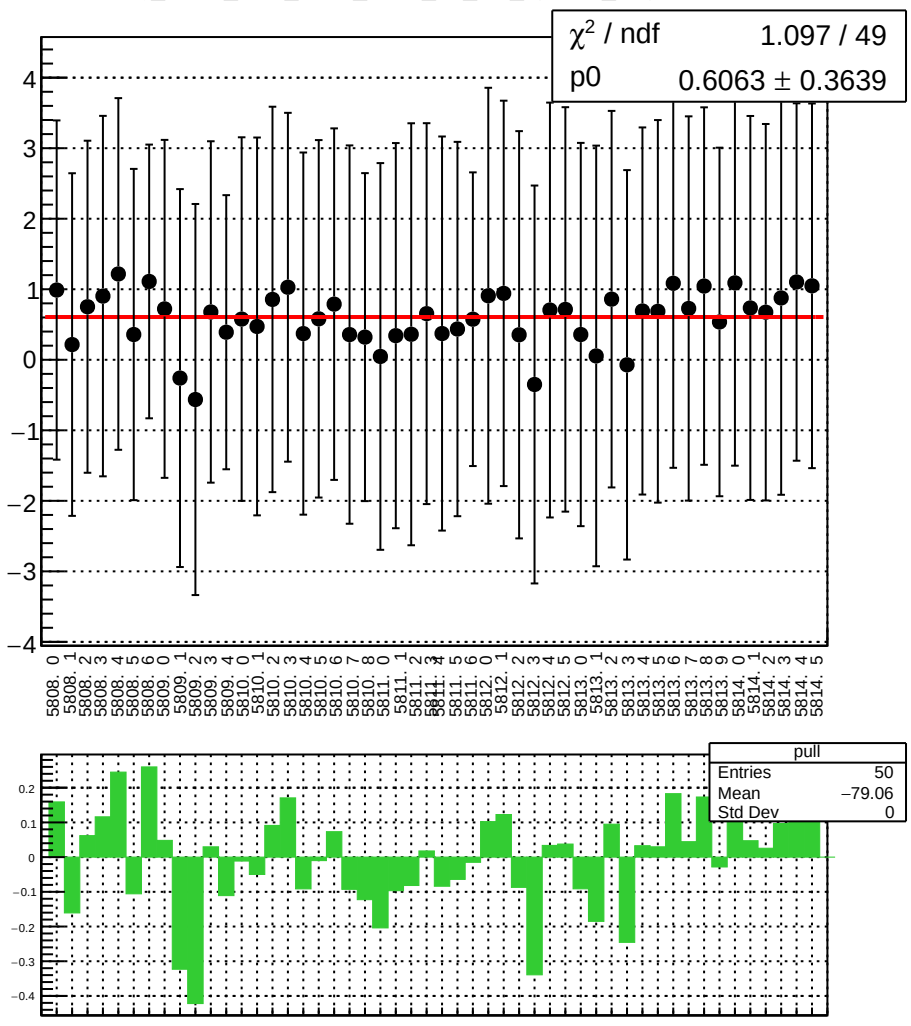

pull1D
Entries 50
Mean −0.004039
Std Dev 0.1563

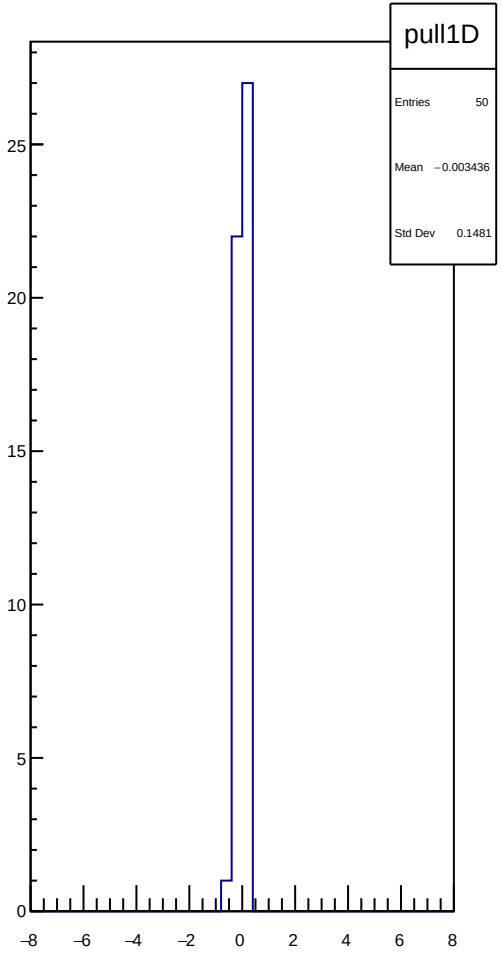

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.847 / 49
p0 −8.29 ± 1.911
pull
Entries 50
Mean −209
Std Dev 0

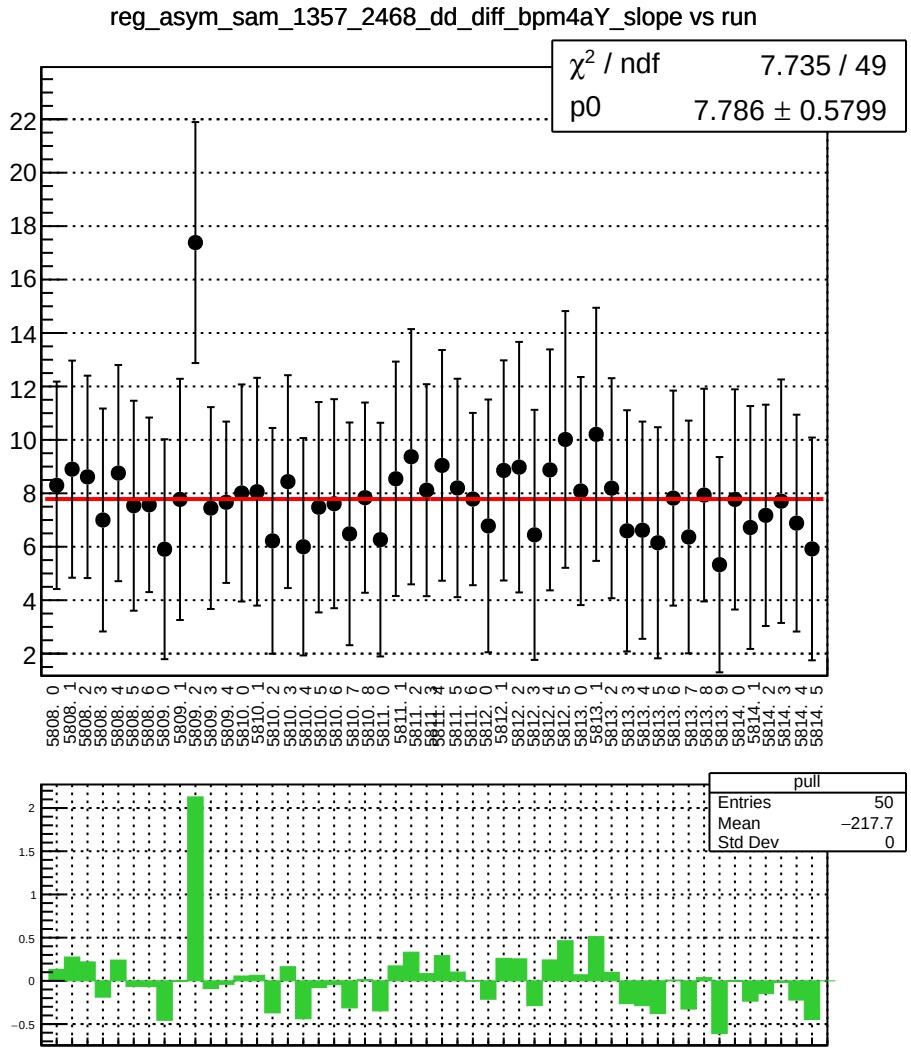

pull1D
Entries 50
Mean 0.005821
Std Dev 0.37

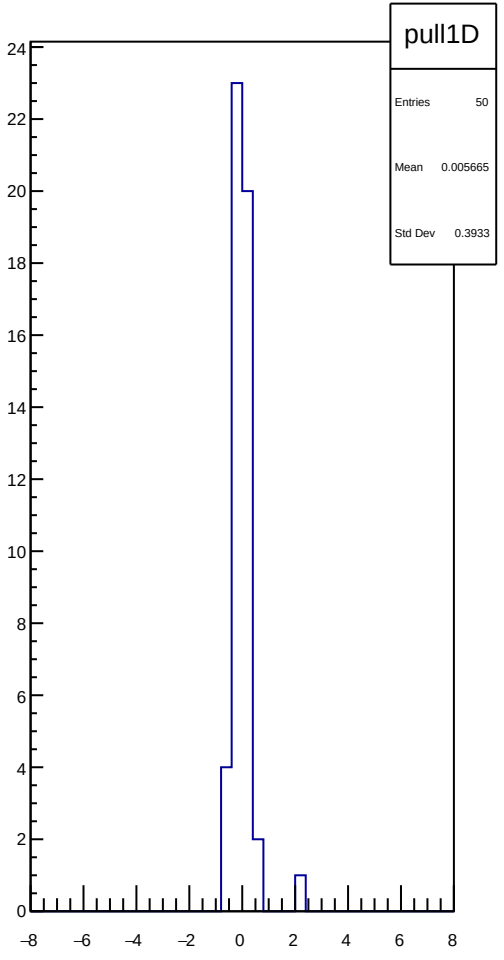

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.325 / 49
p0 −0.3476 ± 0.1199
pull
Entries 50
Mean −83.92
Std Dev 0

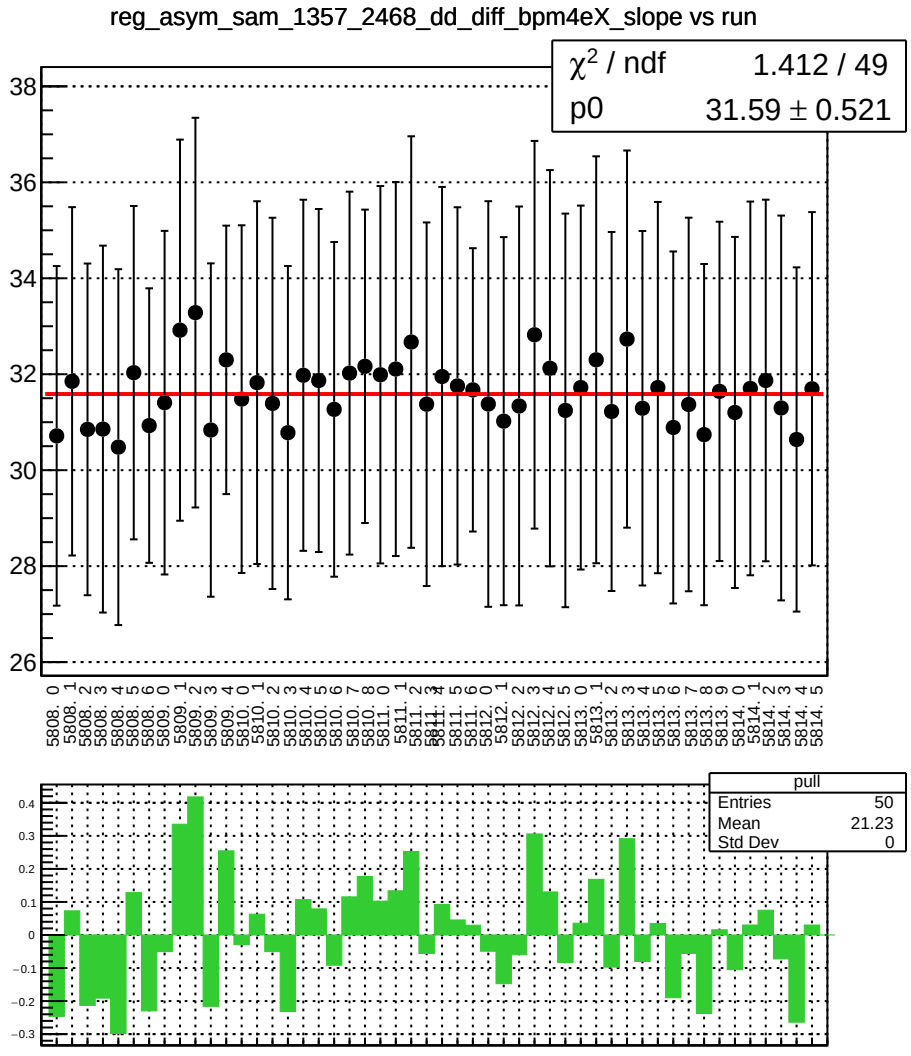

pull1D
Entries 50
Mean 0.008246
Std Dev 0.2155

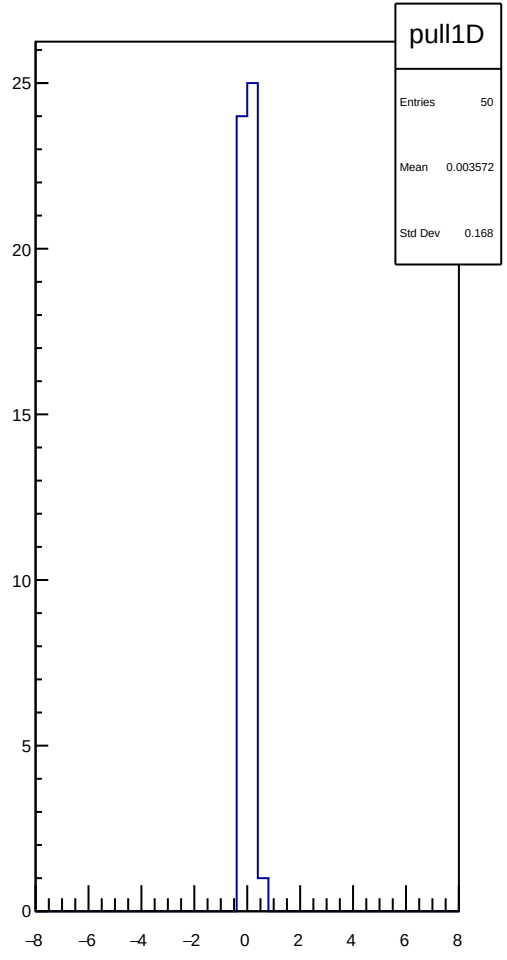

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 1.097 / 49
p0 0.6063 ± 0.3639
pull
Entries 50
Mean −79.06
Std Dev 0

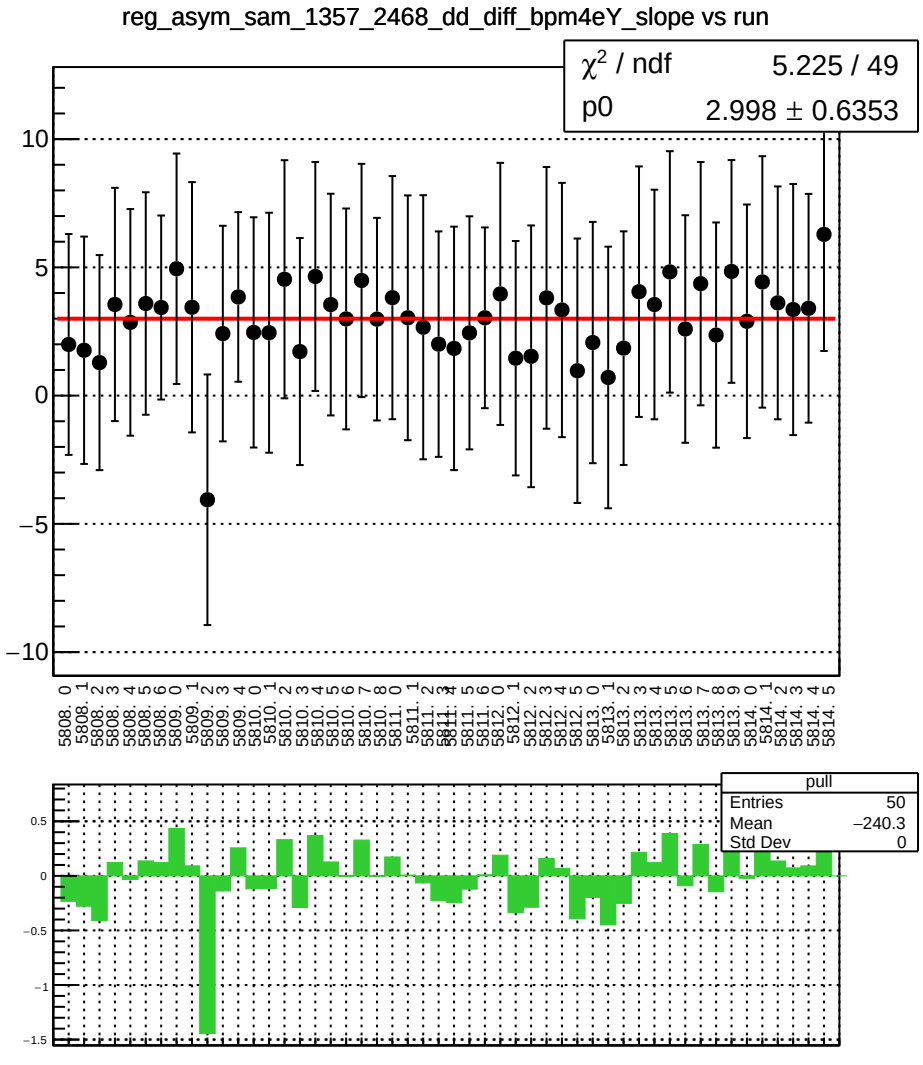

pull1D
Entries 50
Mean −0.003436
Std Dev 0.1481

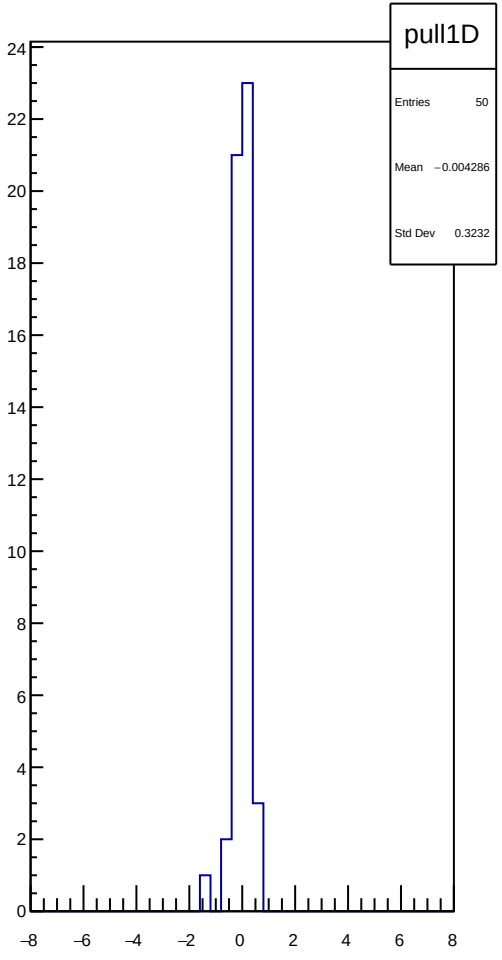

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.735 / 49
p0 7.786 ± 0.5799
pull
Entries 50
Mean −217.7
Std Dev 0

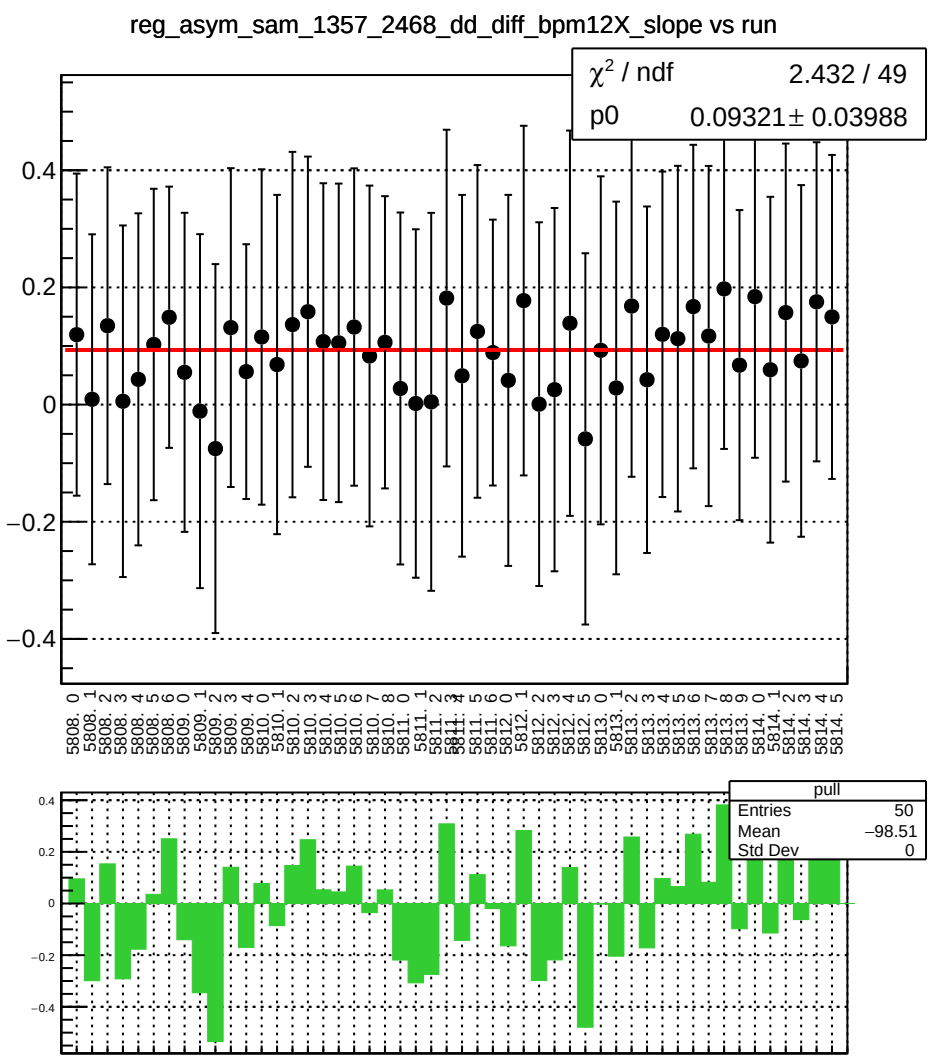

pull1D
Entries 50
Mean 0.005665
Std Dev 0.3933

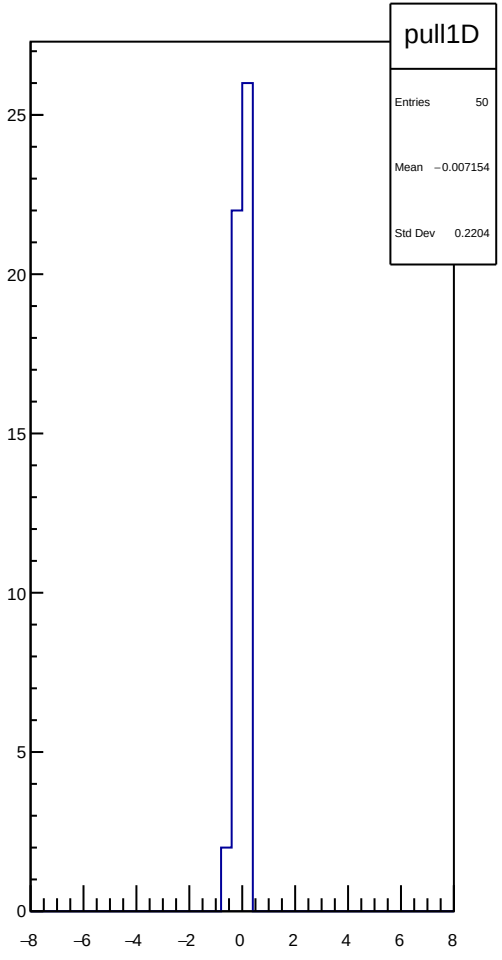

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.412 / 49
p0 31.59 ± 0.521
pull
Entries 50
Mean 21.23
Std Dev 0

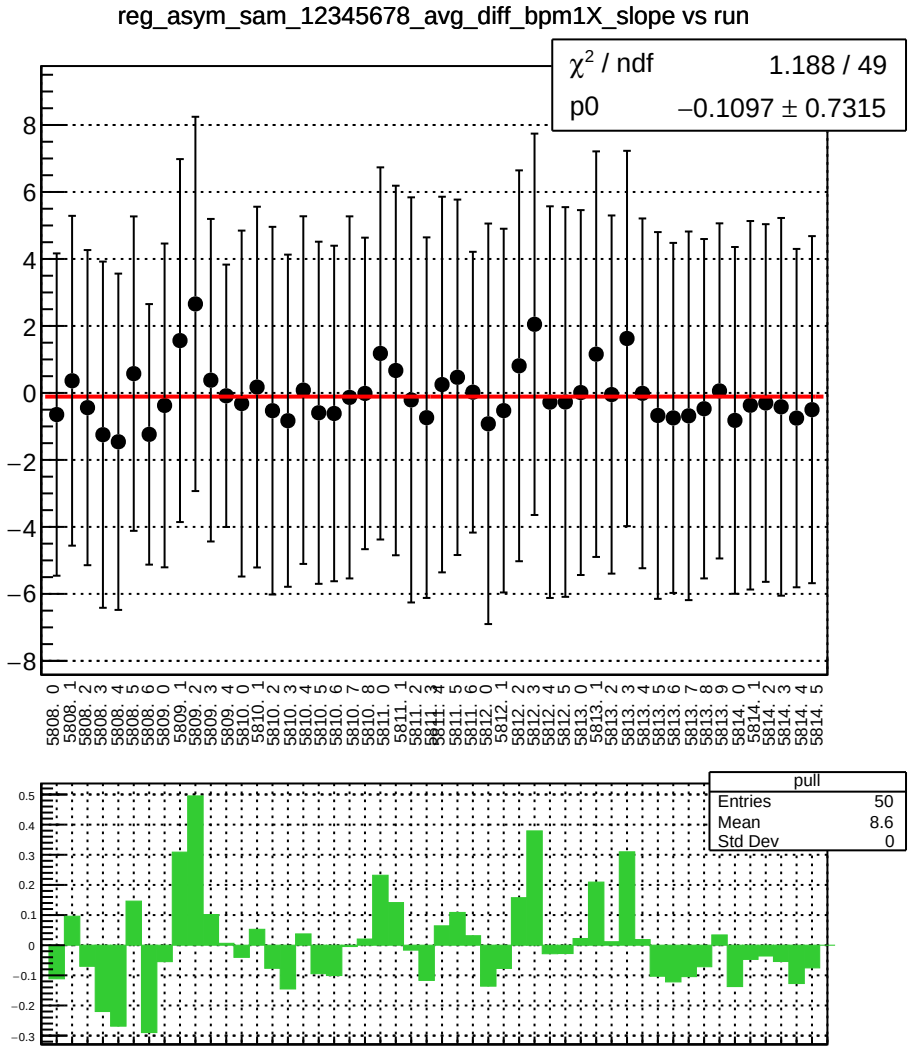

pull1D
Entries 50
Mean 0.003572
Std Dev 0.168

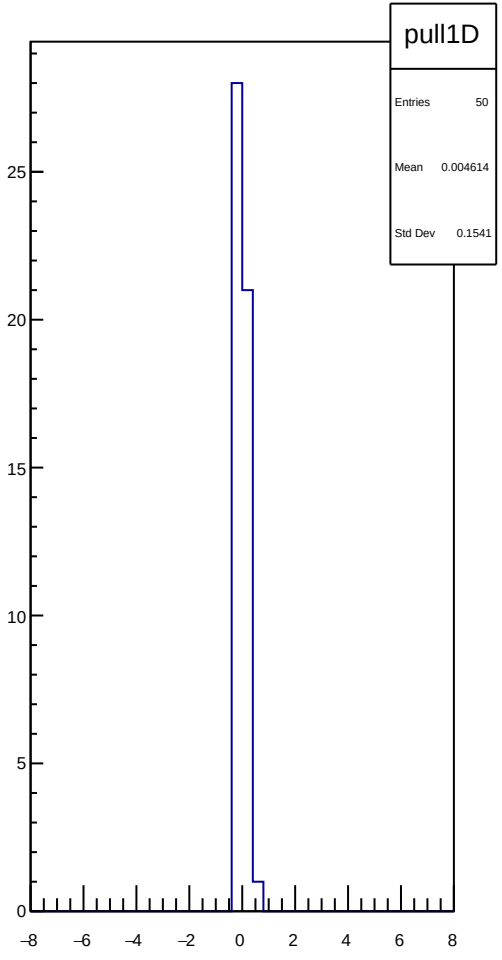

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.225 / 49
p0 2.998 ± 0.6353
pull
Entries 50
Mean −240.3
Std Dev 0

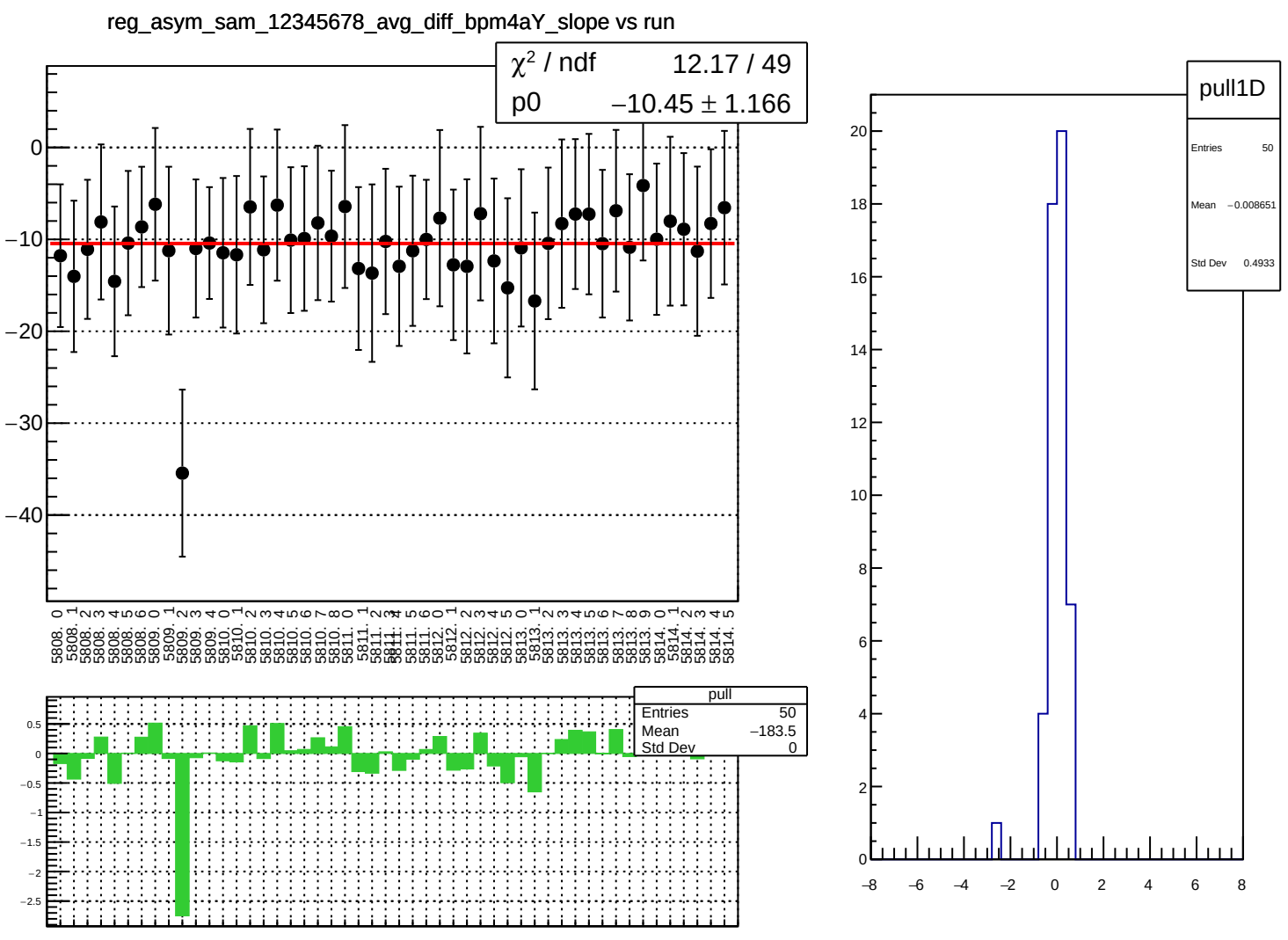

pull1D
Entries 50
Mean −0.004286
Std Dev 0.3232

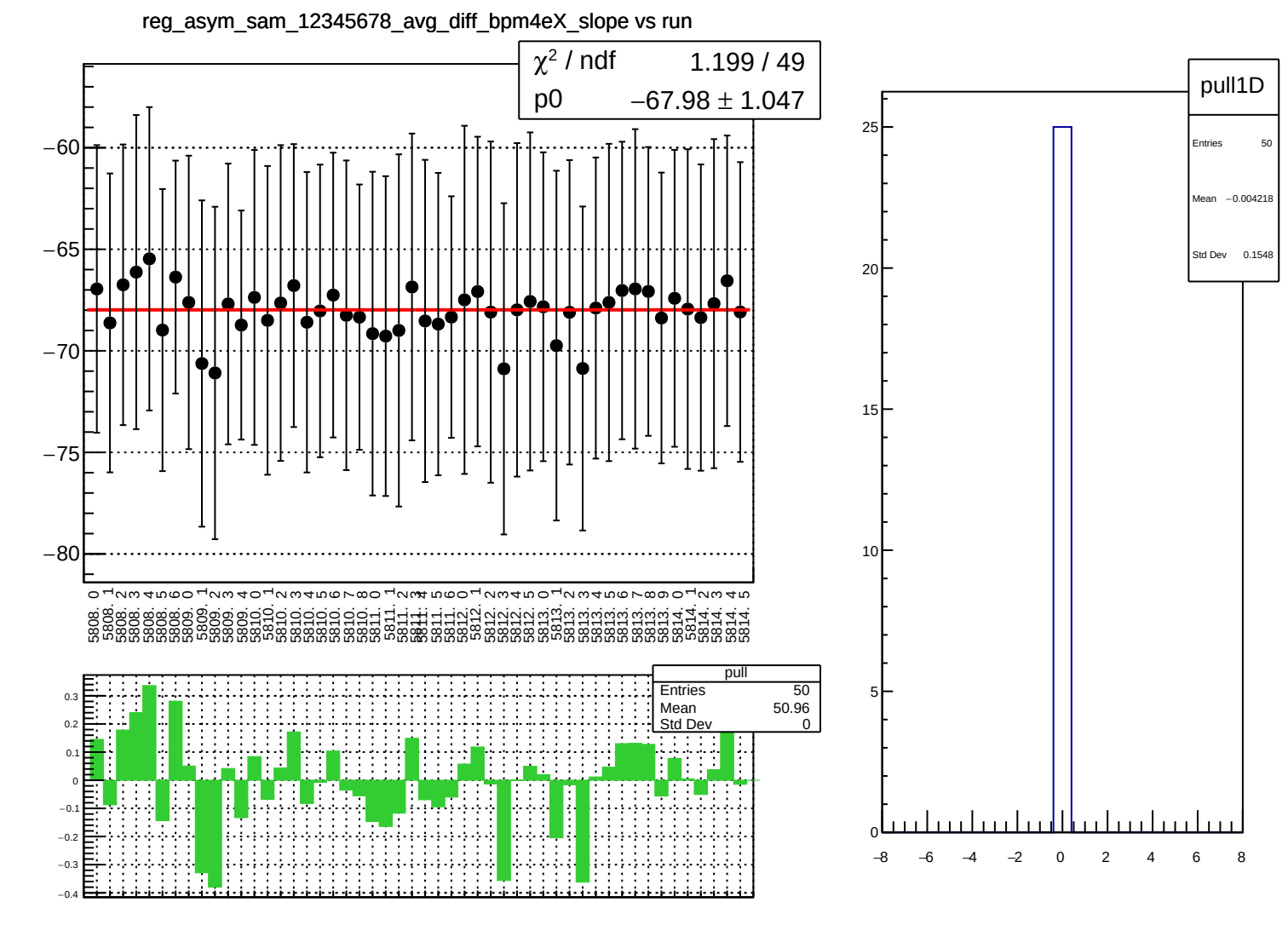

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 2.432 / 49
p0 0.09321 ± 0.03988
pull
Entries 50
Mean −98.51
Std Dev 0

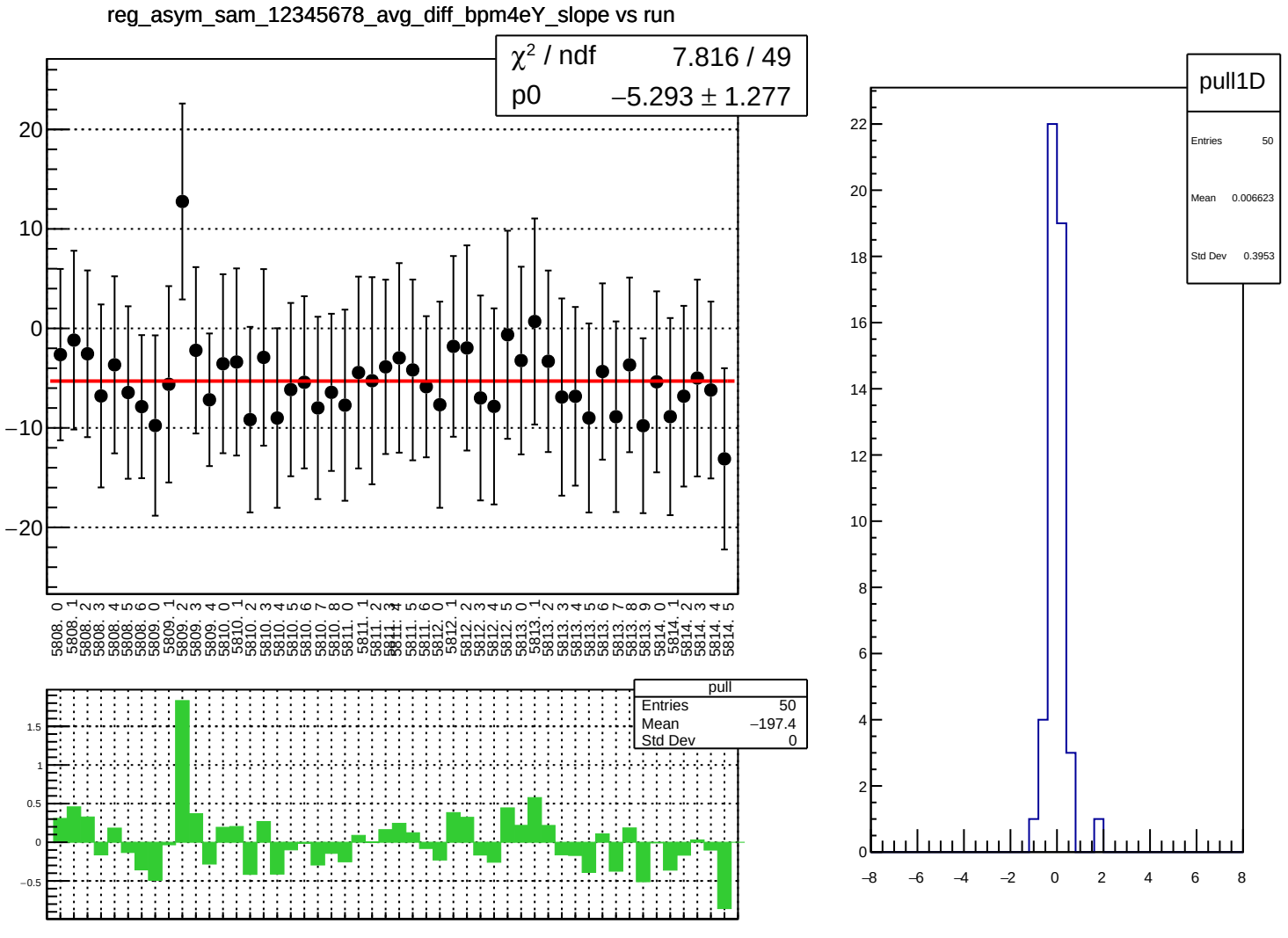

pull1D
Entries 50
Mean −0.007154
Std Dev 0.2204

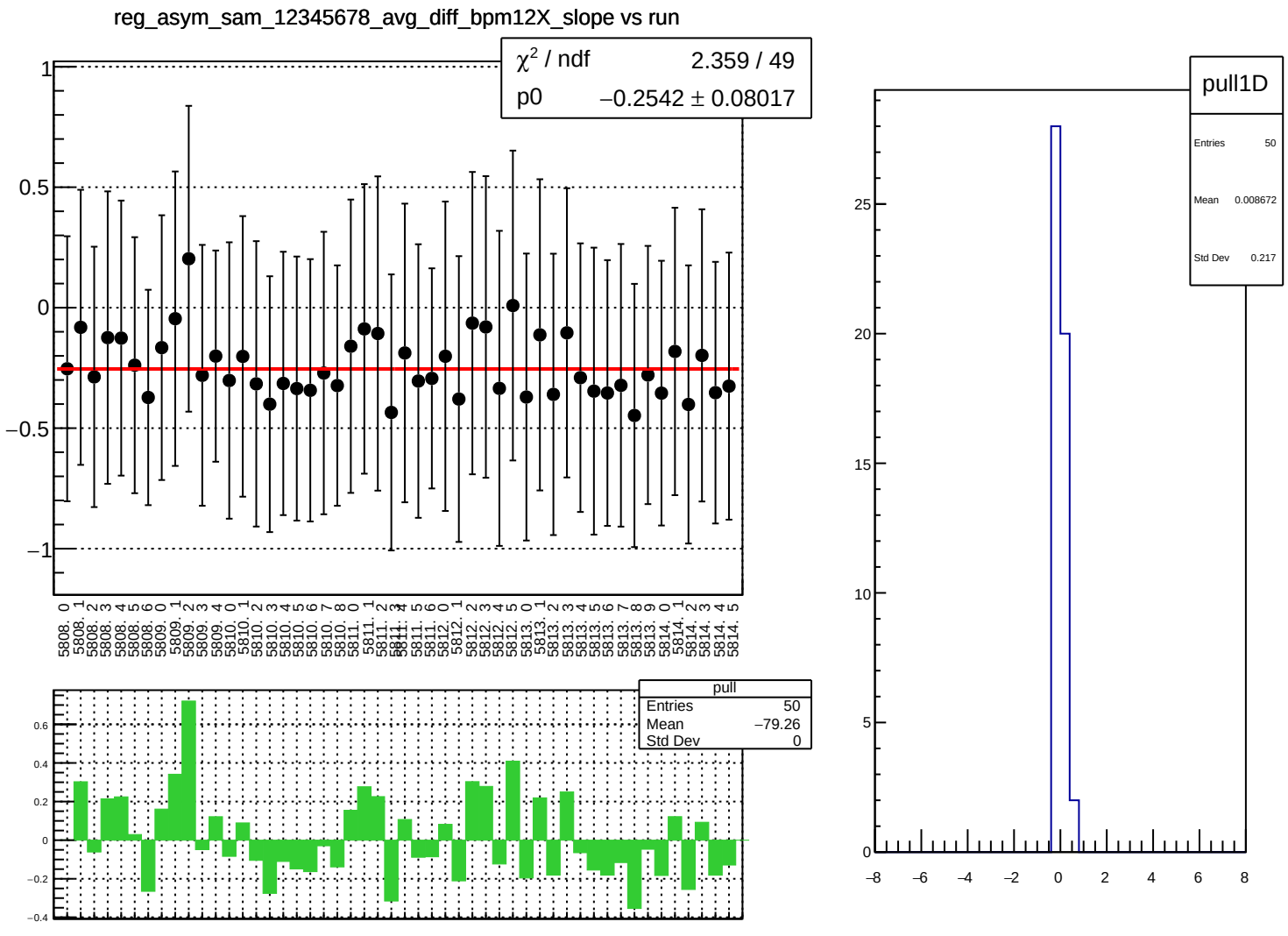

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 1.188 / 49
p0 −0.1097 ± 0.7315
pull
Entries 50
Mean 8.6
Std Dev 0

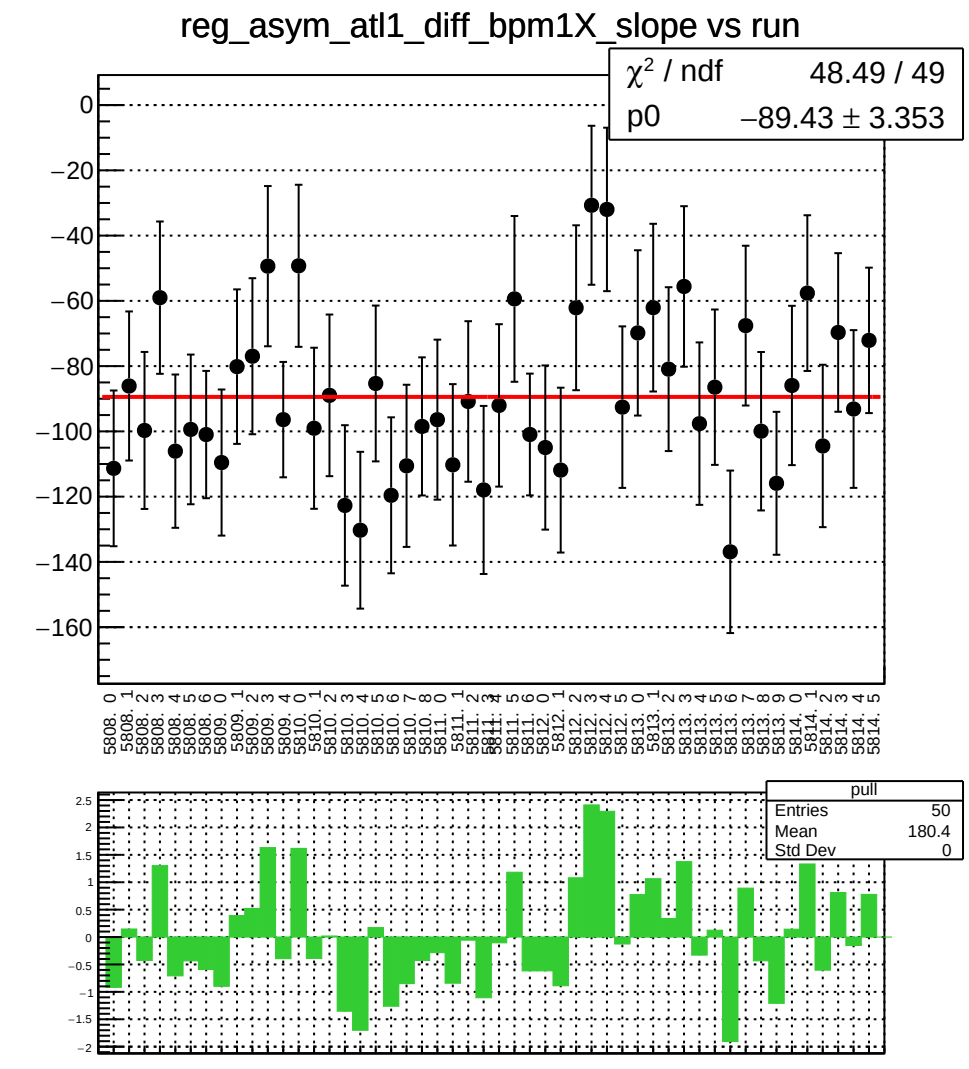

pull1D
Entries 50
Mean 0.004614
Std Dev 0.1541

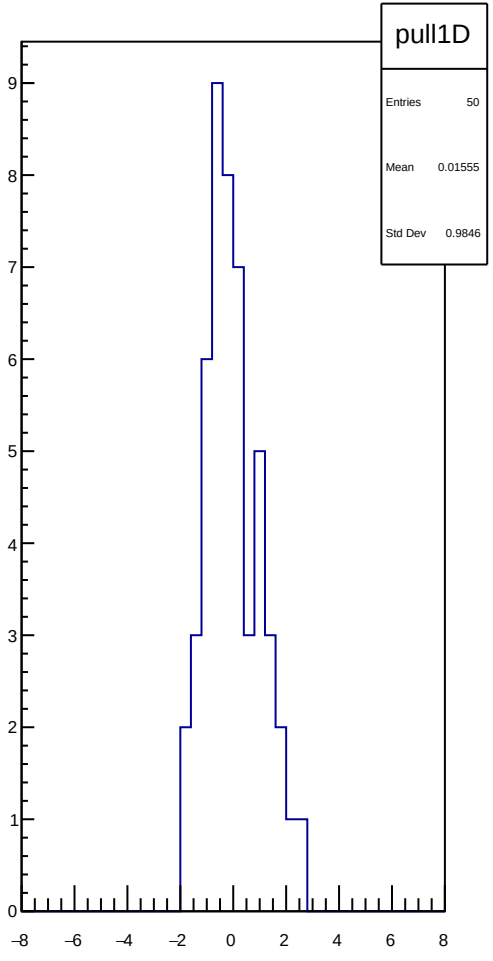

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.17 / 49
p0 −10.45 ± 1.166
0
−10
−20
−30
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −183.5
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.008651
Std Dev 0.4933
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

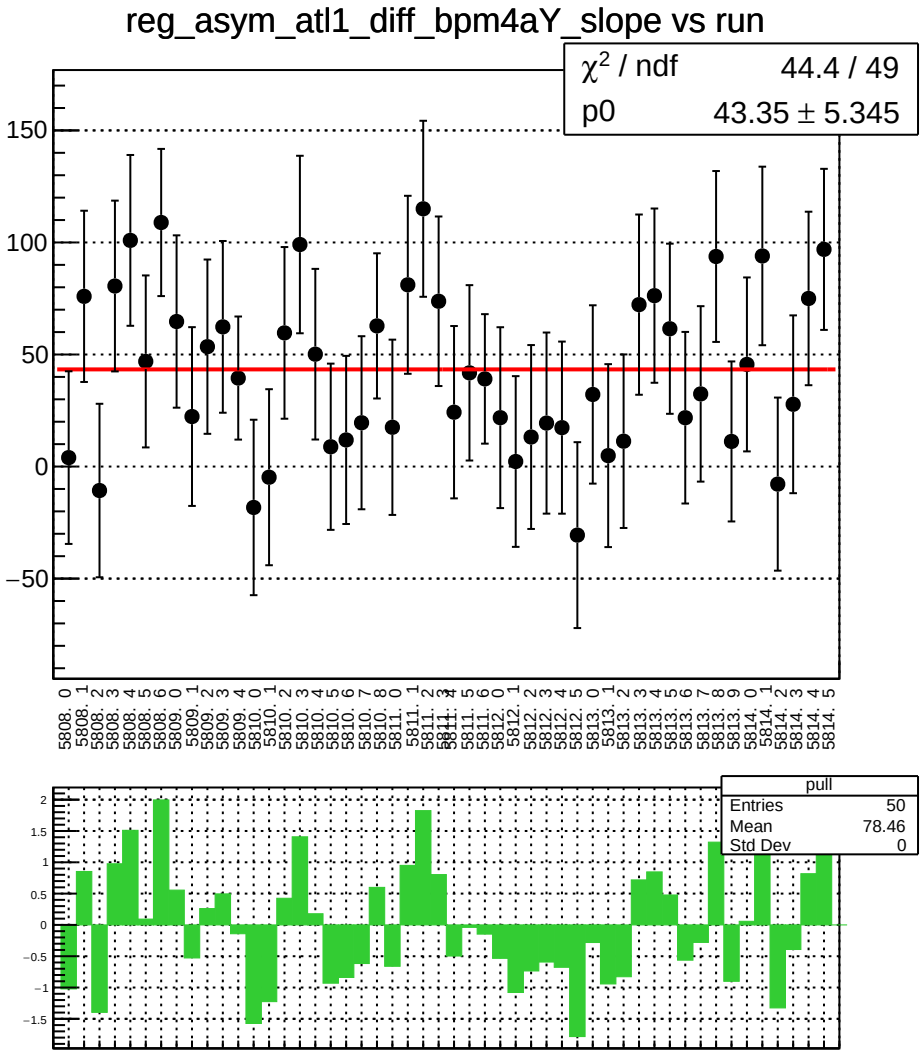

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 1.199 / 49
p0 −67.98 ± 1.047
−60
−65
−70
−75
−80
pull
Entries 50
Mean 50.96
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 50
Mean −0.004218
Std Dev 0.1548
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

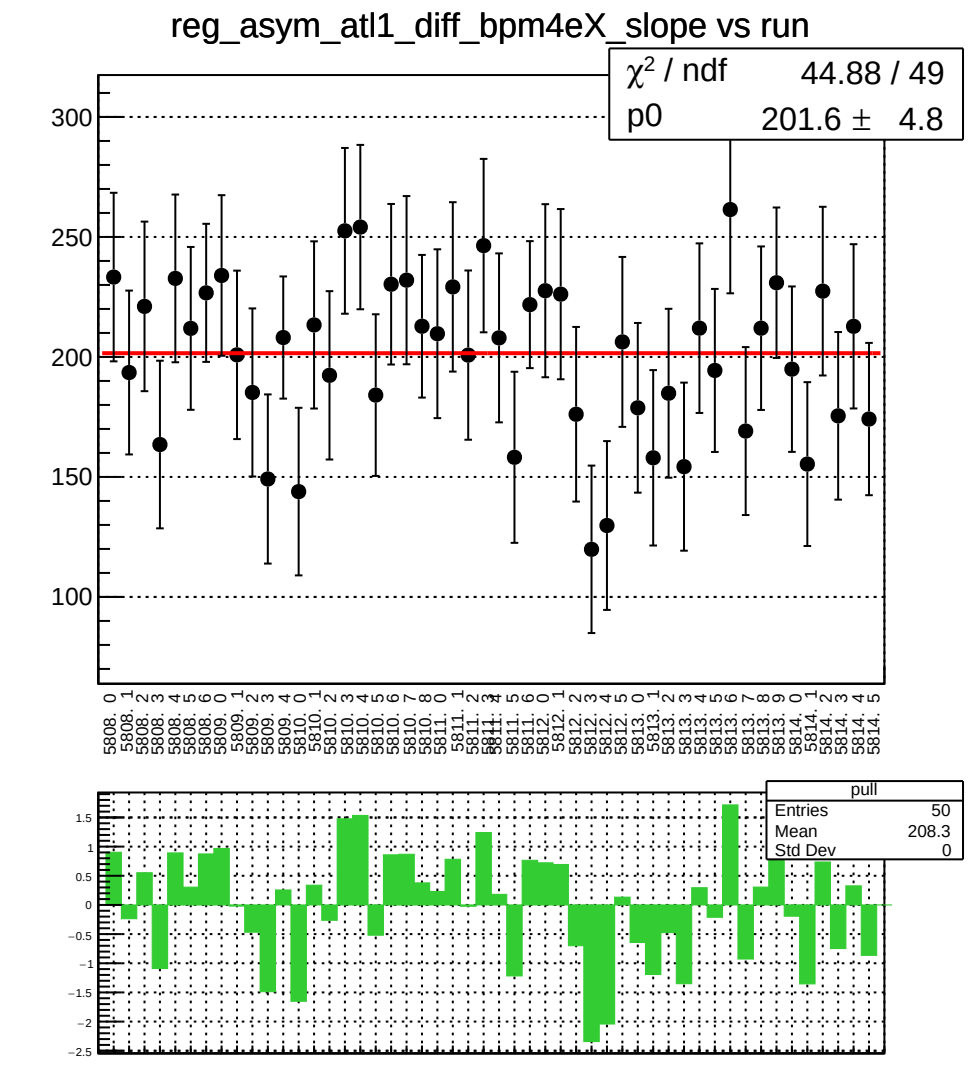

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.816 / 49
p0 −5.293 ± 1.277
pull
Entries 50
Mean −197.4
Std Dev 0
pull1D
Entries 50
Mean 0.006623
Std Dev 0.3953

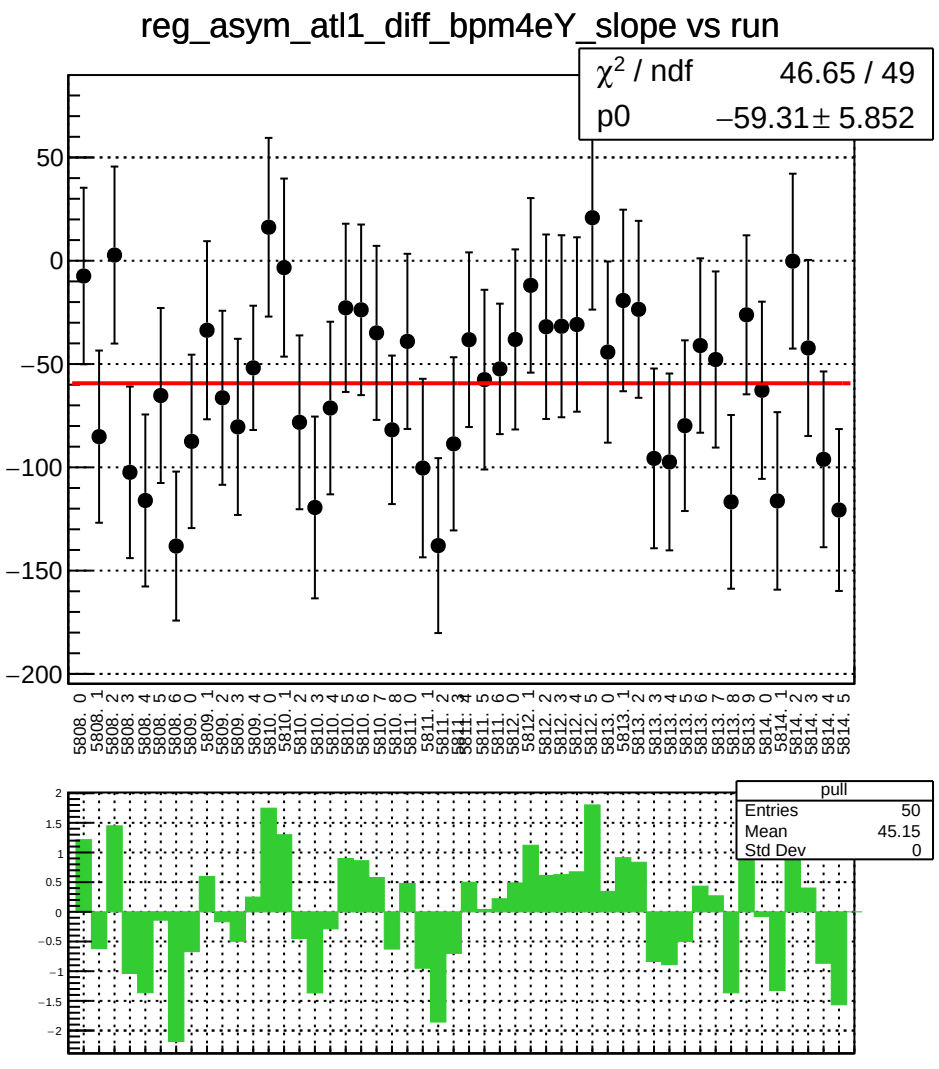

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.359 / 49
p0 −0.2542 ± 0.08017
pull
Entries 50
Mean −79.26
Std Dev 0
pull1D
Entries 50
Mean 0.008672
Std Dev 0.217

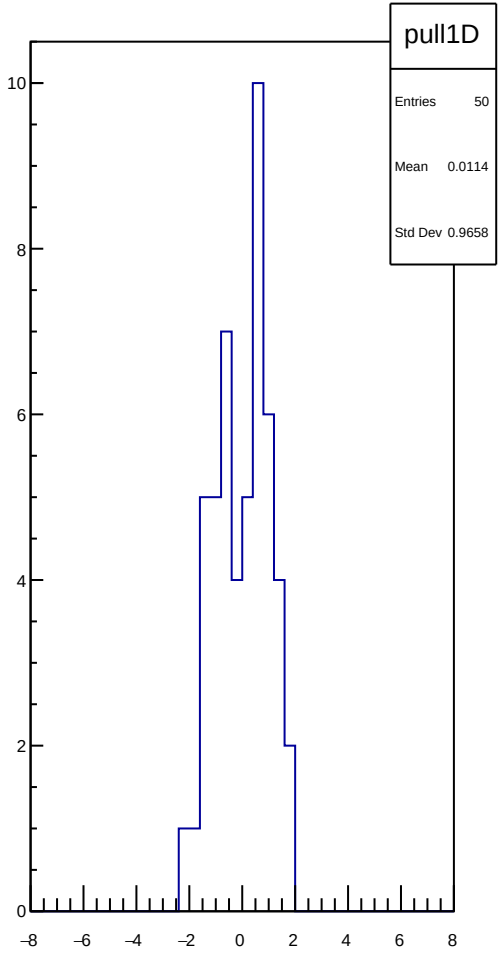

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 48.49 / 49
p0 −89.43 ± 3.353
pull
Entries 50
Mean 180.4
Std Dev 0

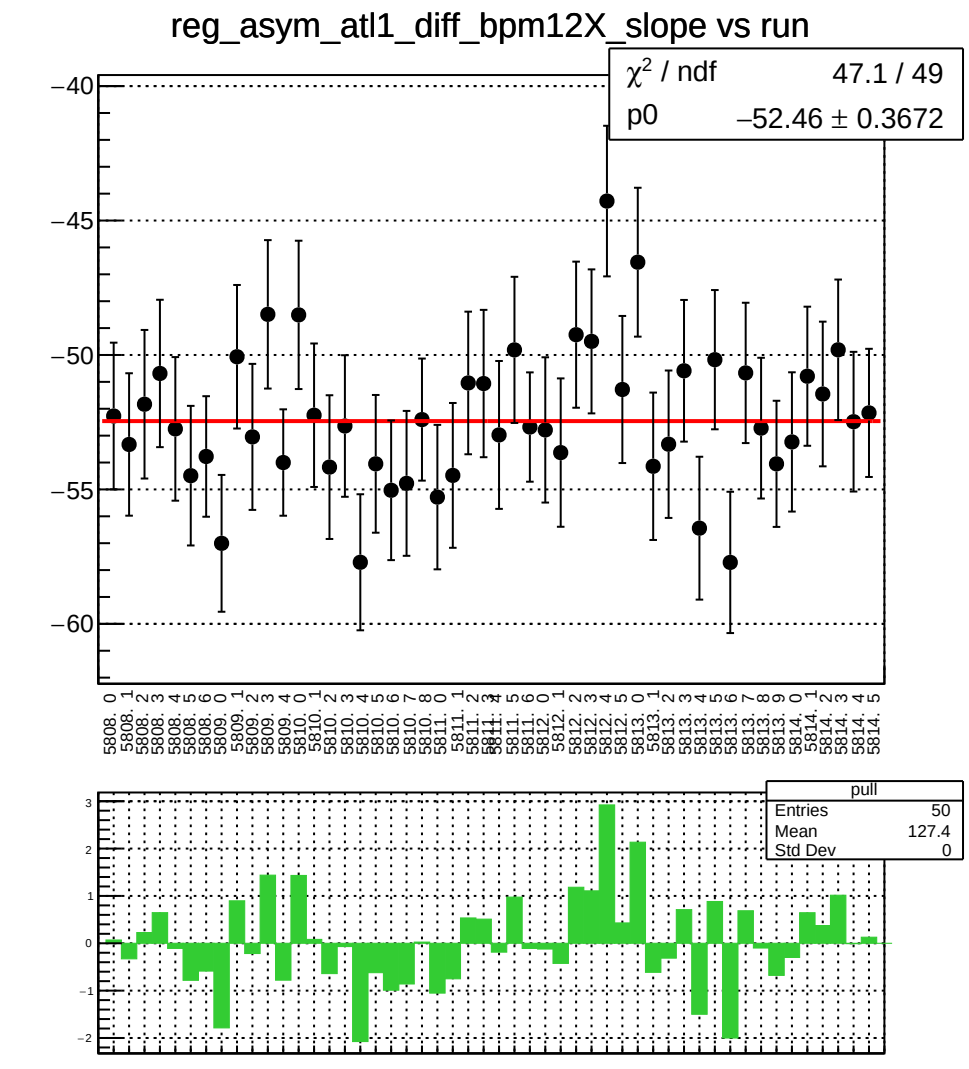

pull1D
Entries 50
Mean 0.01555
Std Dev 0.9846

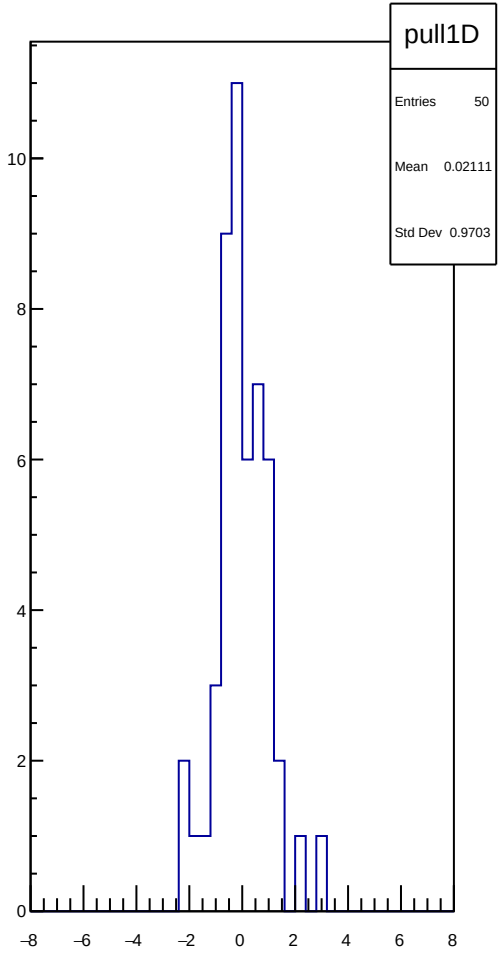

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 44.4 / 49
p0 43.35 ± 5.345
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 78.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01192
Std Dev 0.9423
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

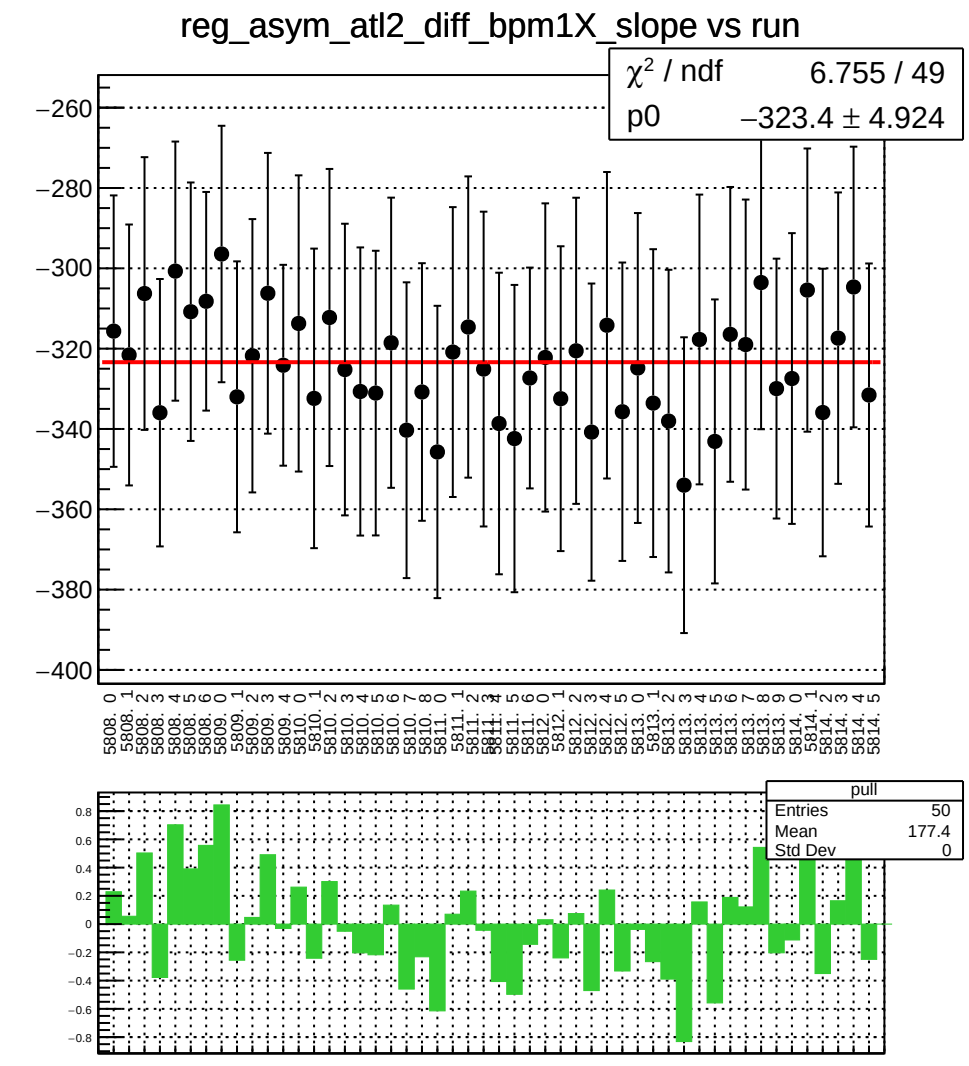

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 44.88 / 49
p0 201.6 ± 4.8
300
250
200
150
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 208.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 50
Mean −0.01482
Std Dev 0.9473
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

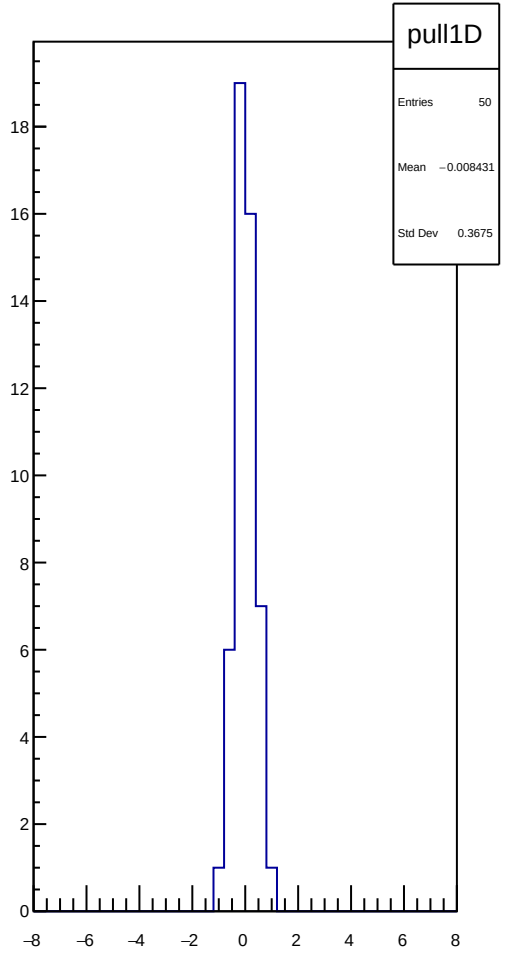

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 46.65 / 49
p0 −59.31 ± 5.852
pull
Entries 50
Mean 45.15
Std Dev 0

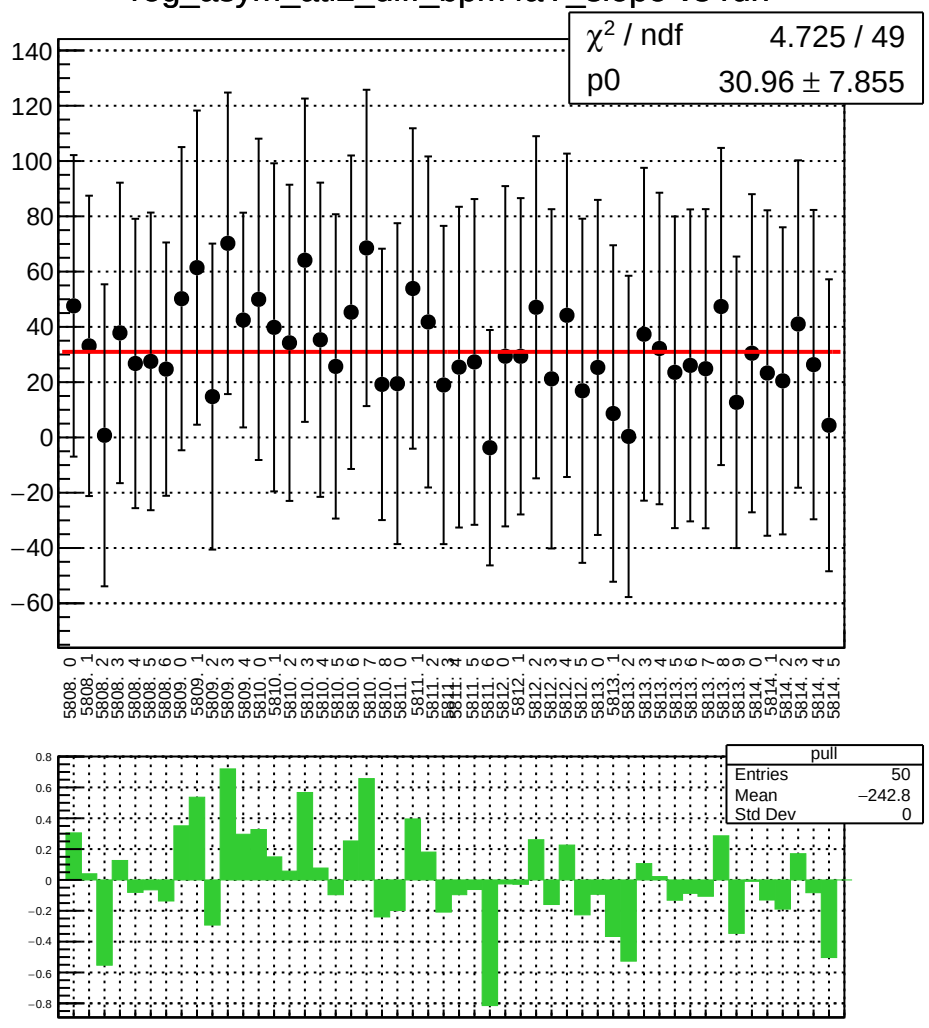

pull1D
Entries 50
Mean 0.0114
Std Dev 0.9658

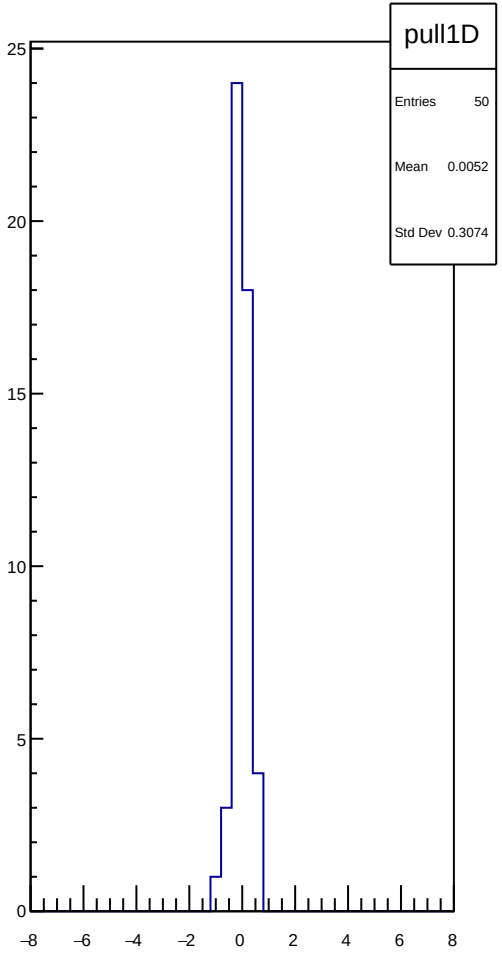

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 47.1 / 49
p0 −52.46 ± 0.3672
−40
−45
−50
−55
−60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 127.4
Std Dev 0
3
2
1
0
−1
−2

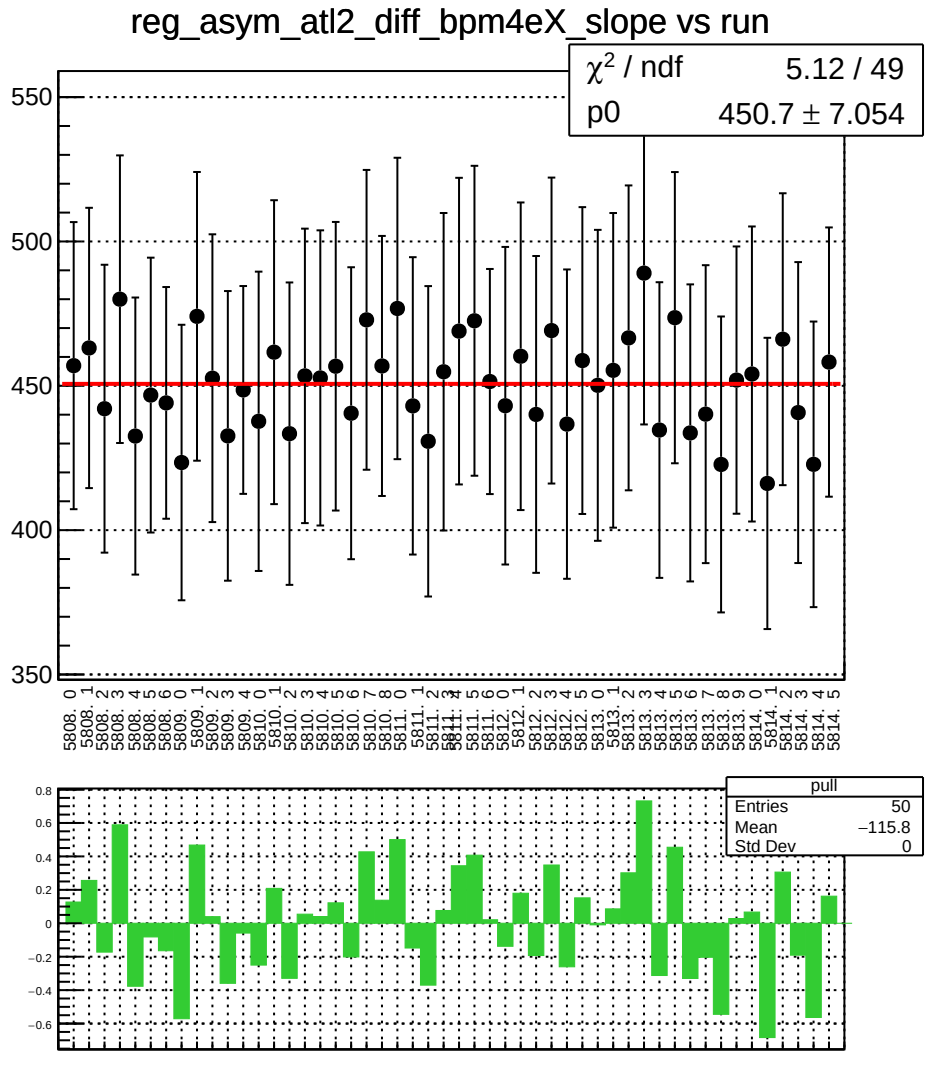

pull1D
Entries 50
Mean 0.02111
Std Dev 0.9703
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

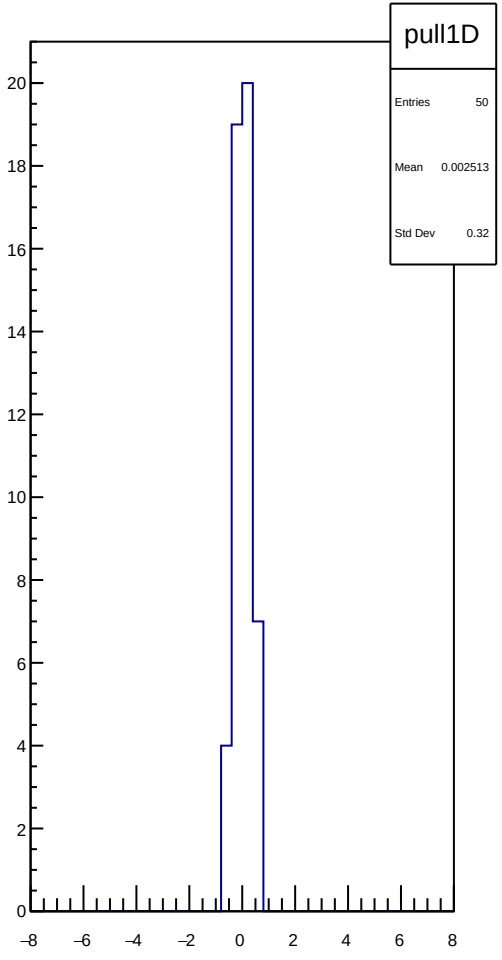

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 6.755 / 49
p0 −323.4 ± 4.924
pull
Entries 50
Mean 177.4
Std Dev 0

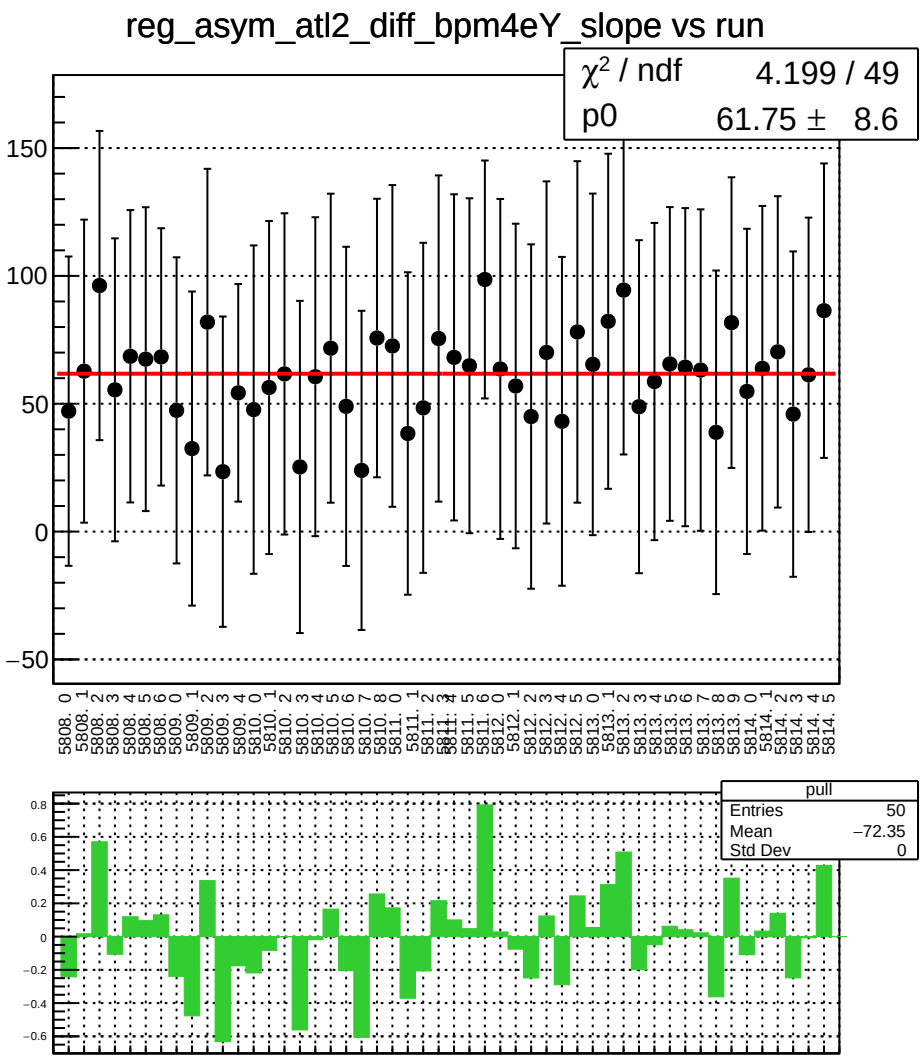

pull1D
Entries 50
Mean −0.008431
Std Dev 0.3675

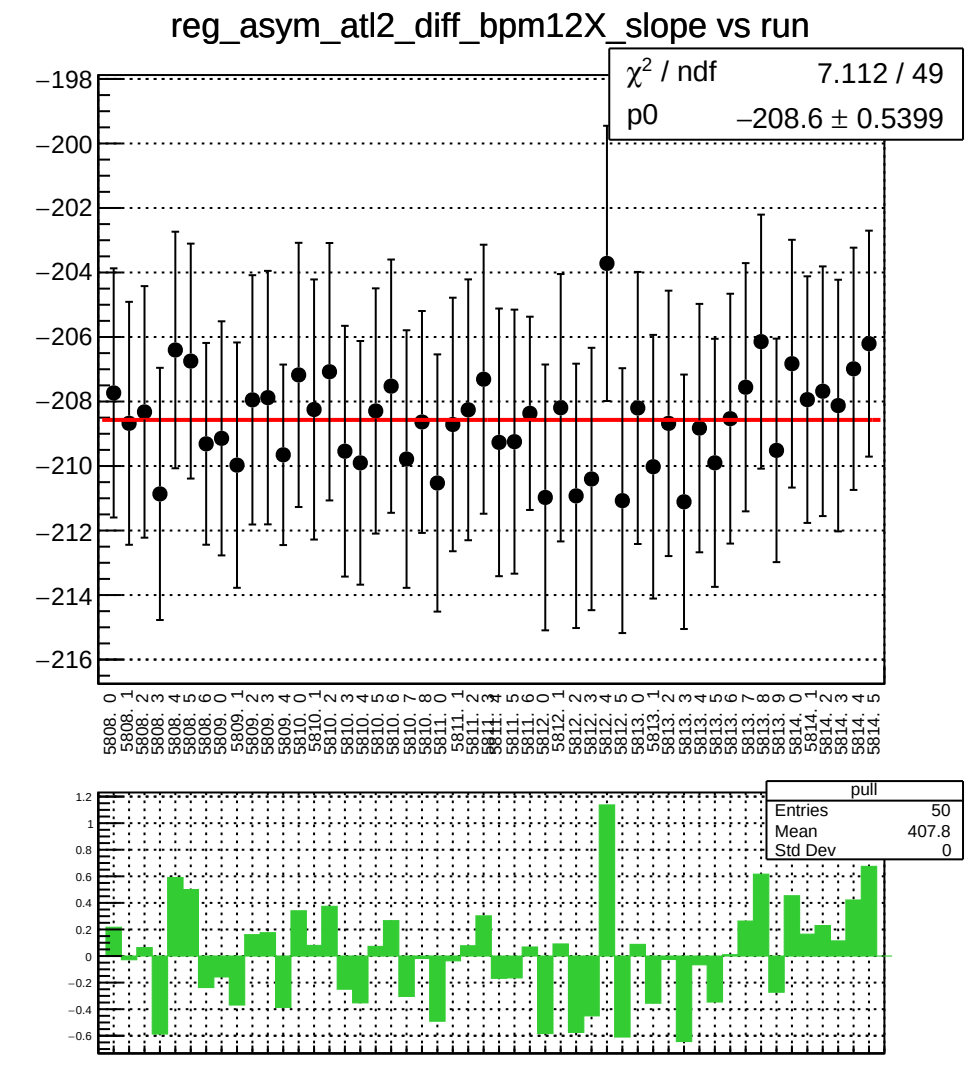

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.725 / 49
p0 30.96 ± 7.855
pull
Entries 50
Mean −242.8
Std Dev 0

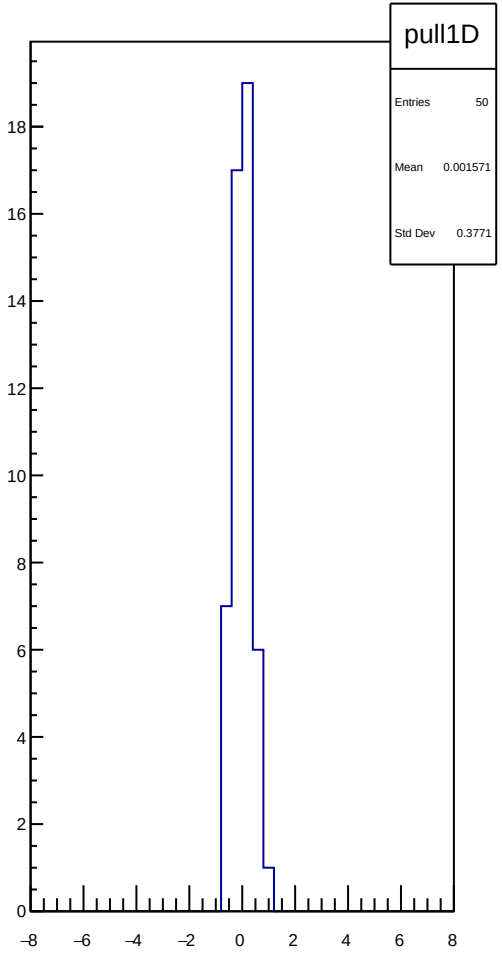

pull1D
Entries 50
Mean 0.0052
Std Dev 0.3074

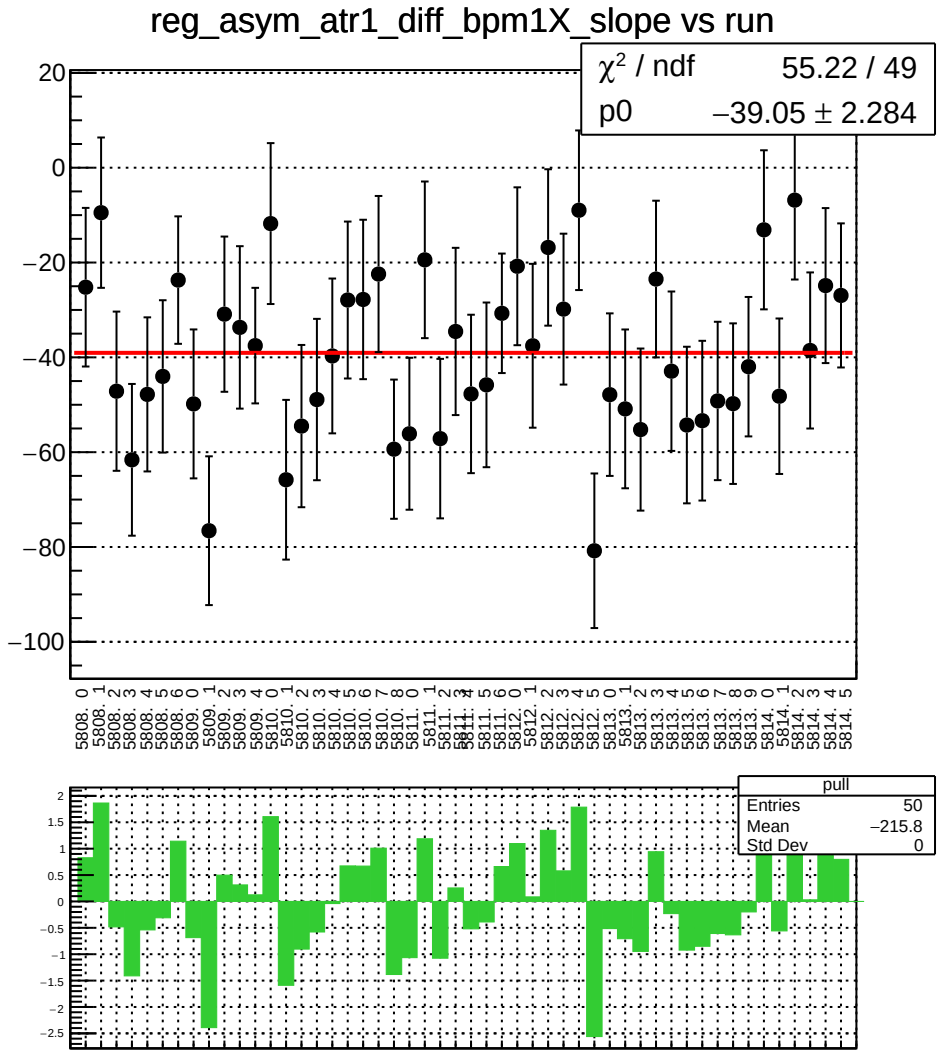

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 5.12 / 49
p0 450.7 ± 7.054
550
500
450
400
350
pull
Entries 50
Mean −115.8
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

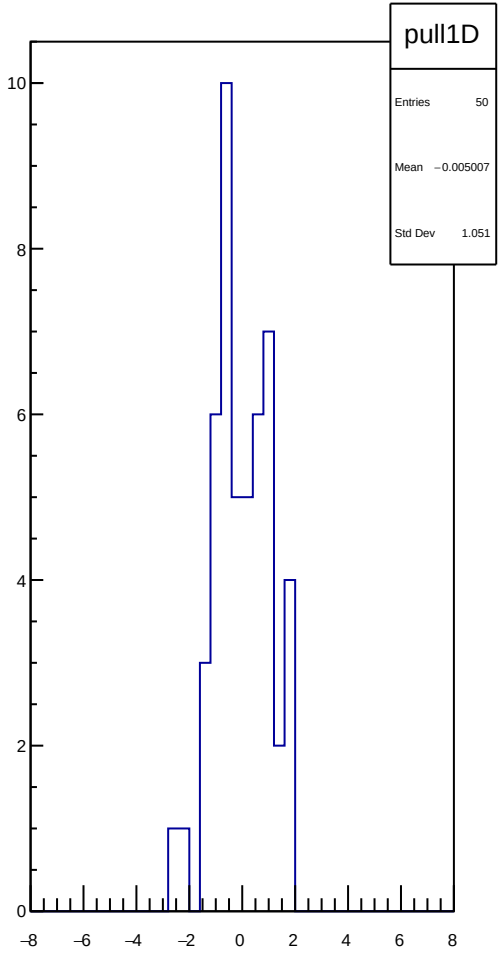

pull1D
Entries 50
Mean 0.002513
Std Dev 0.32
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

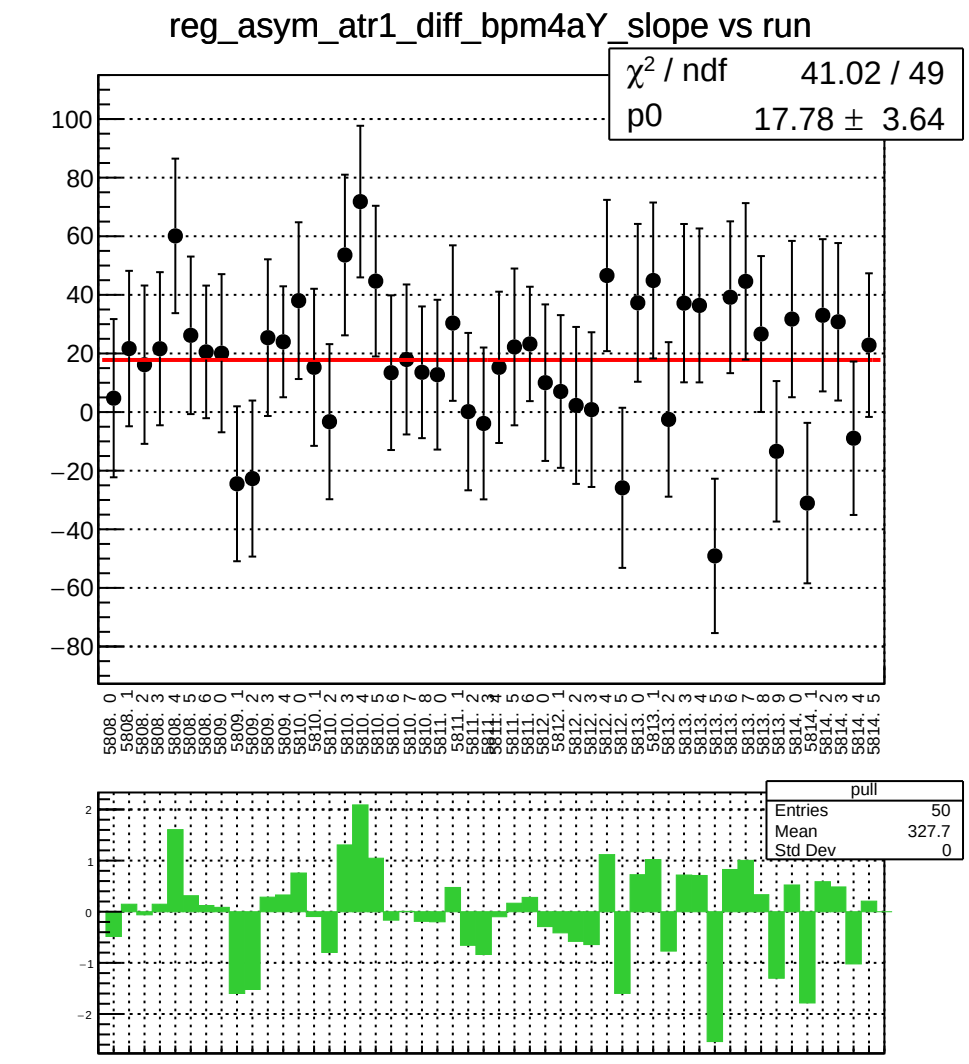

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 4.199 / 49
p0 61.75 ± 8.6
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −72.35
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean −0.007134
Std Dev 0.2897
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

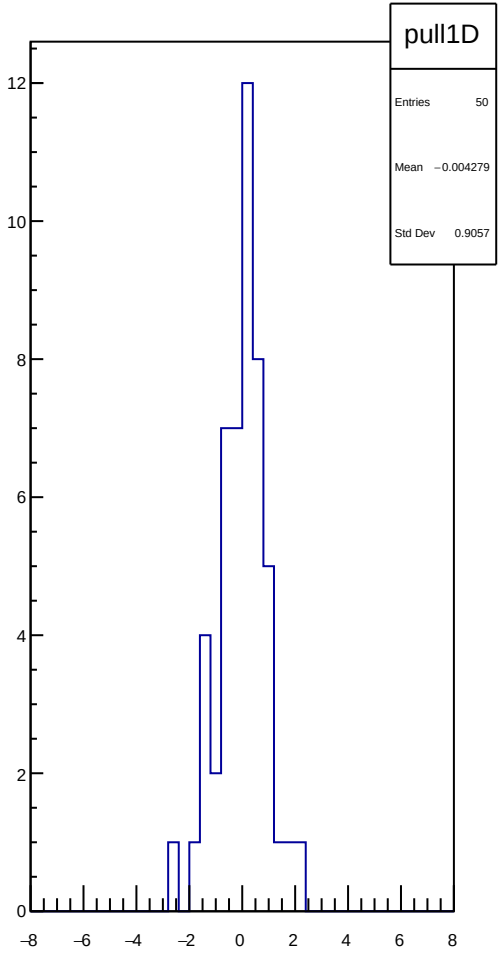

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 7.112 / 49
p0 −208.6 ± 0.5399
pull
Entries 50
Mean 407.8
Std Dev 0

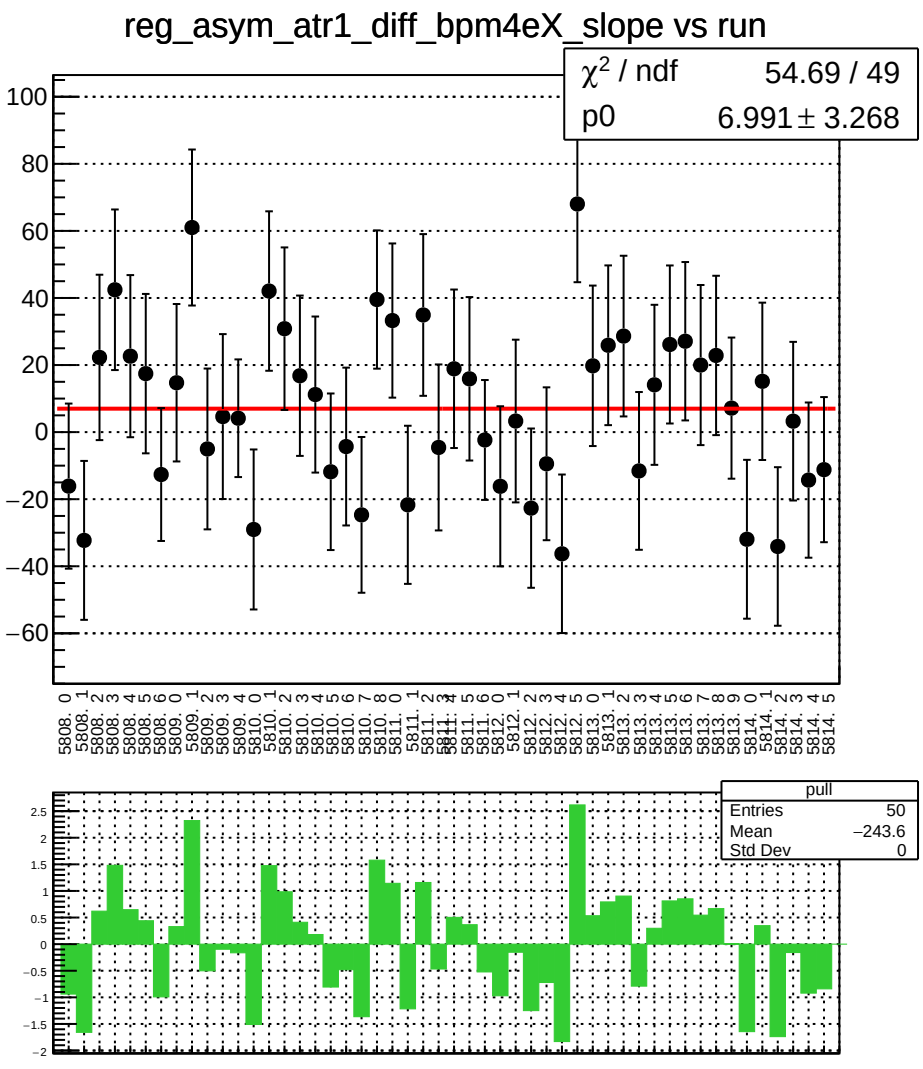

pull1D
Entries 50
Mean 0.001571
Std Dev 0.3771

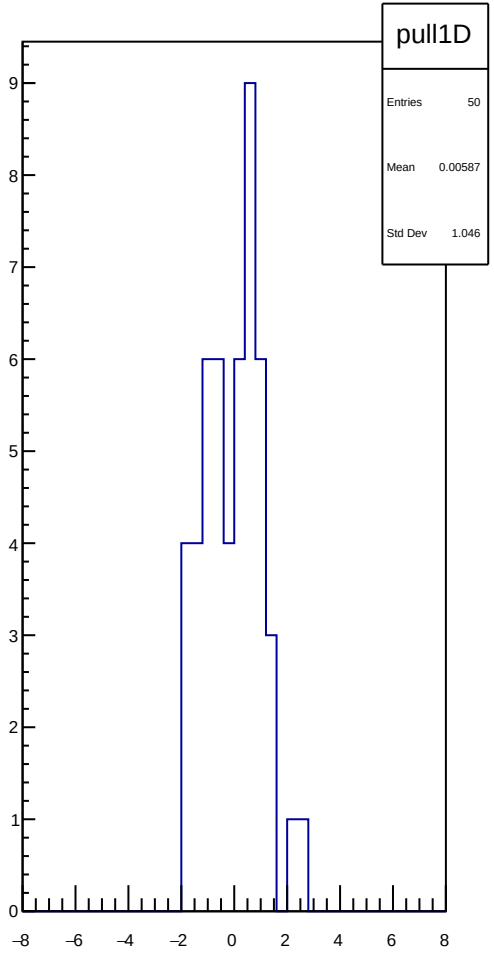

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 55.22 / 49
p0 −39.05 ± 2.284
pull
Entries 50
Mean −215.8
Std Dev 0

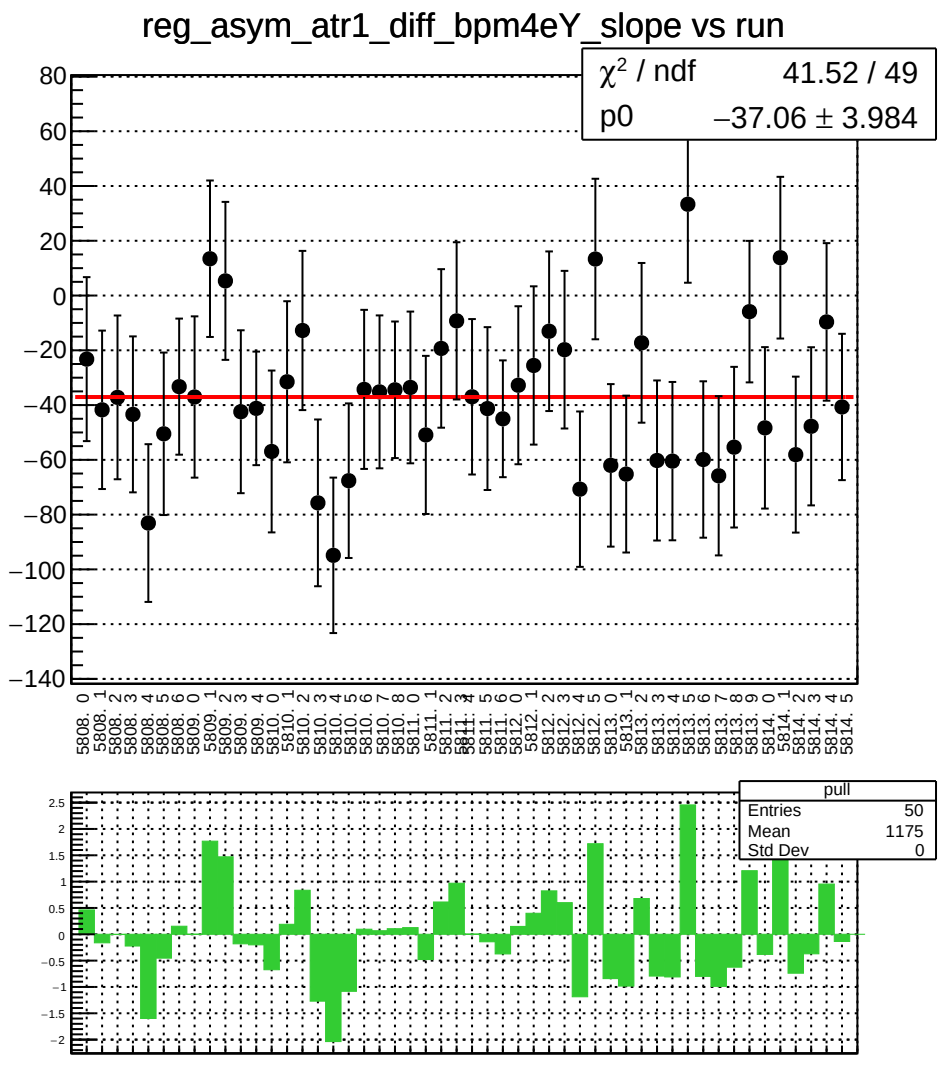

pull1D
Entries 50
Mean −0.005007
Std Dev 1.051

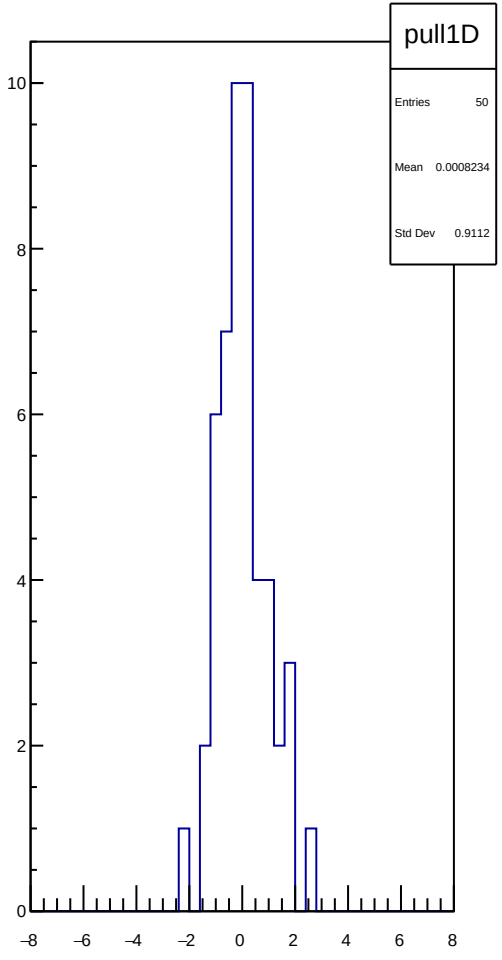

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 41.02 / 49
p0 17.78 ± 3.64
pull
Entries 50
Mean 327.7
Std Dev 0

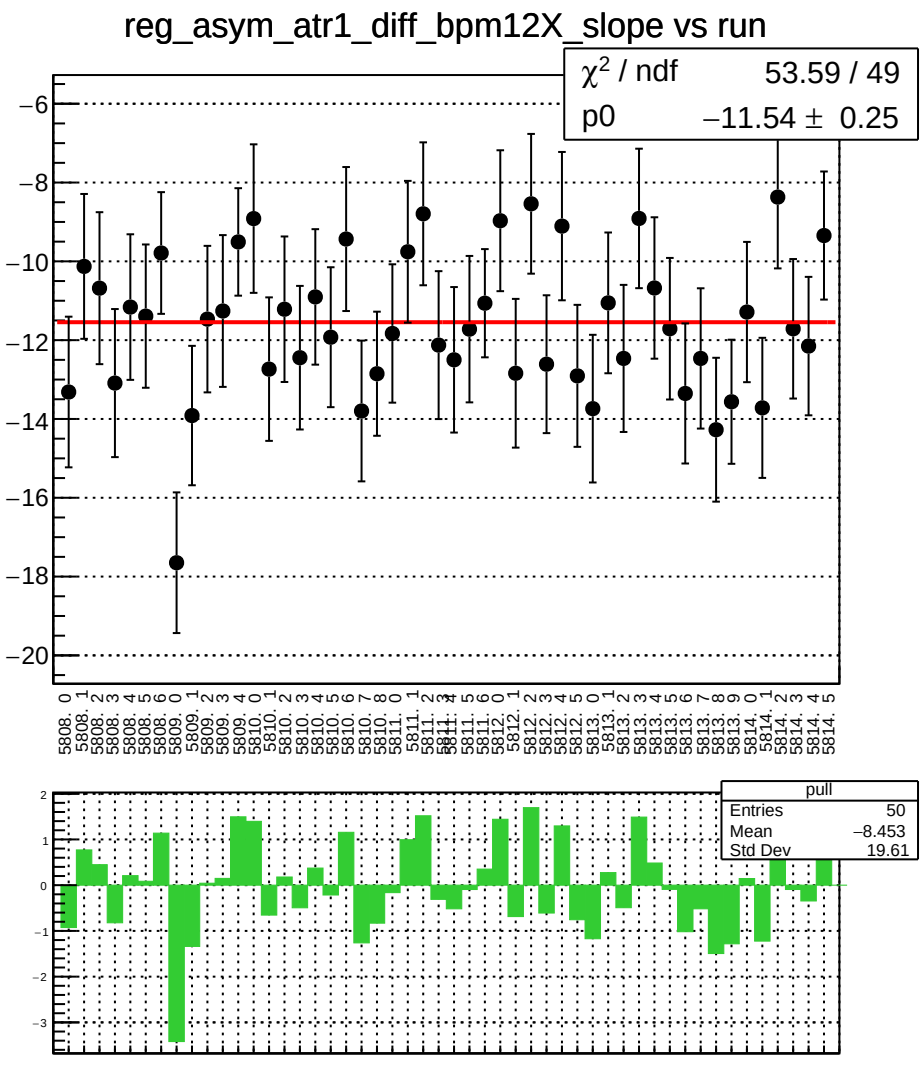

pull1D
Entries 50
Mean −0.004279
Std Dev 0.9057

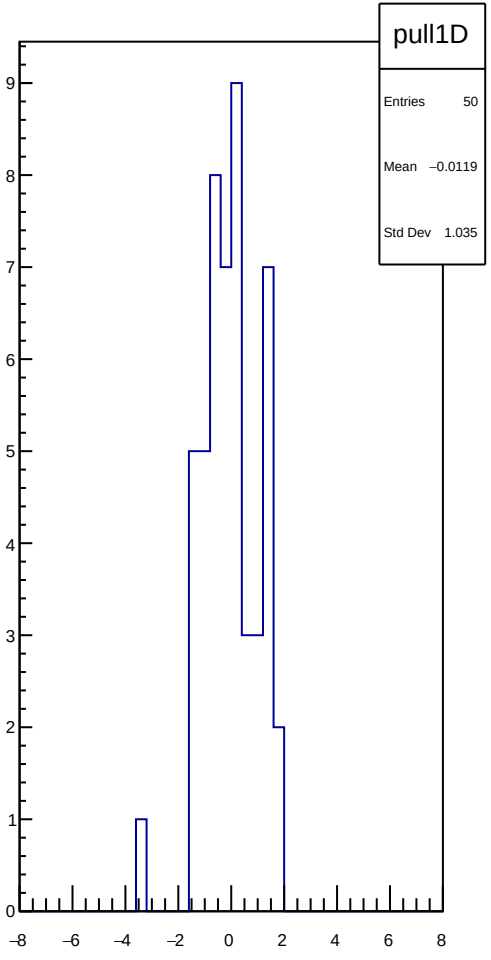

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 54.69 / 49
p0 6.991 ± 3.268
pull
Entries 50
Mean −243.6
Std Dev 0

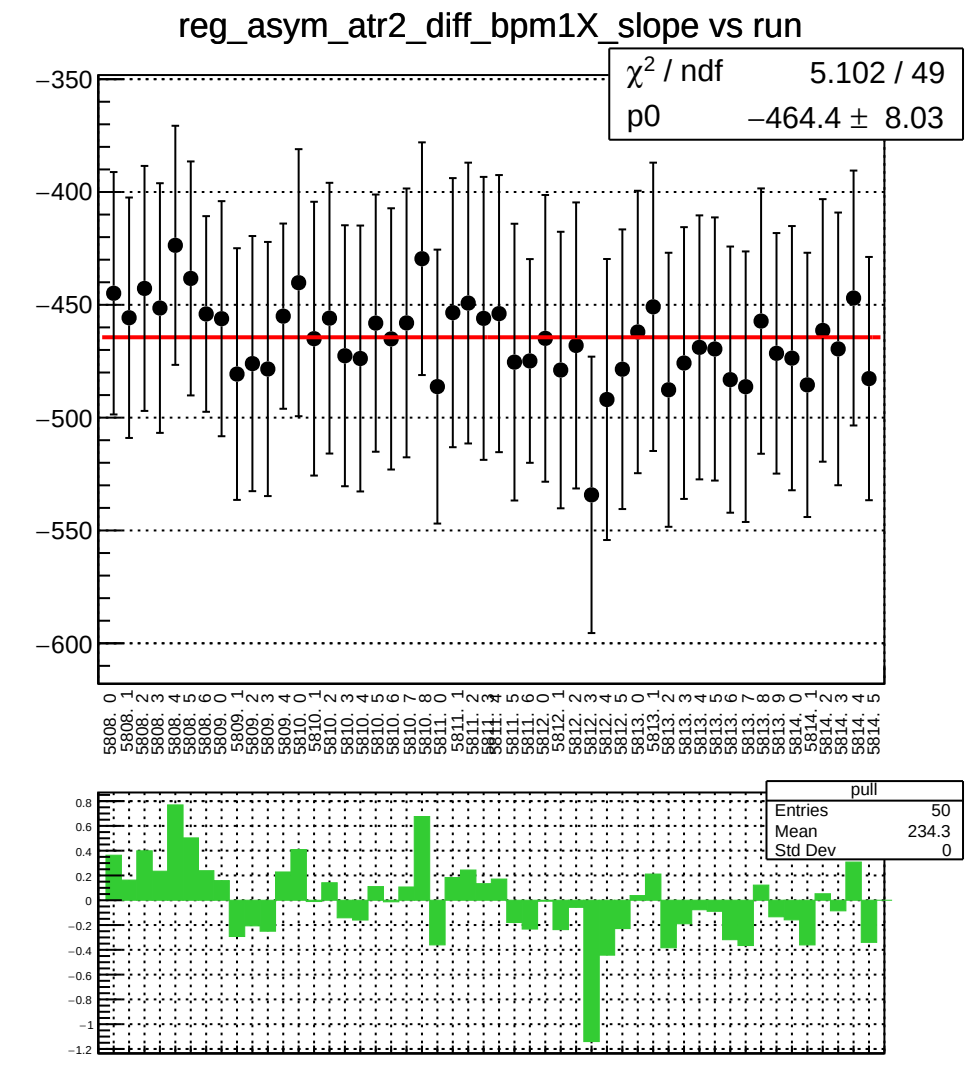

pull1D
Entries 50
Mean 0.00587
Std Dev 1.046

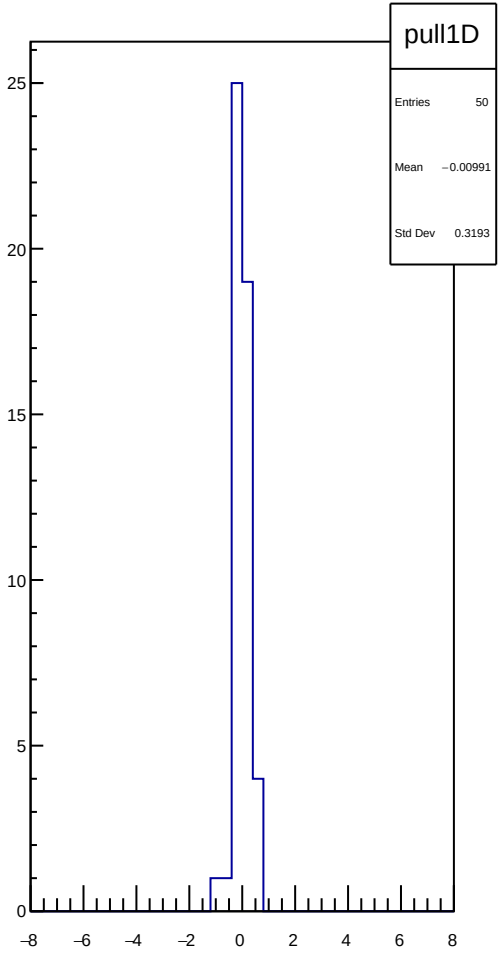

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 41.52 / 49
p0 −37.06 ± 3.984
pull
Entries 50
Mean 1175
Std Dev 0

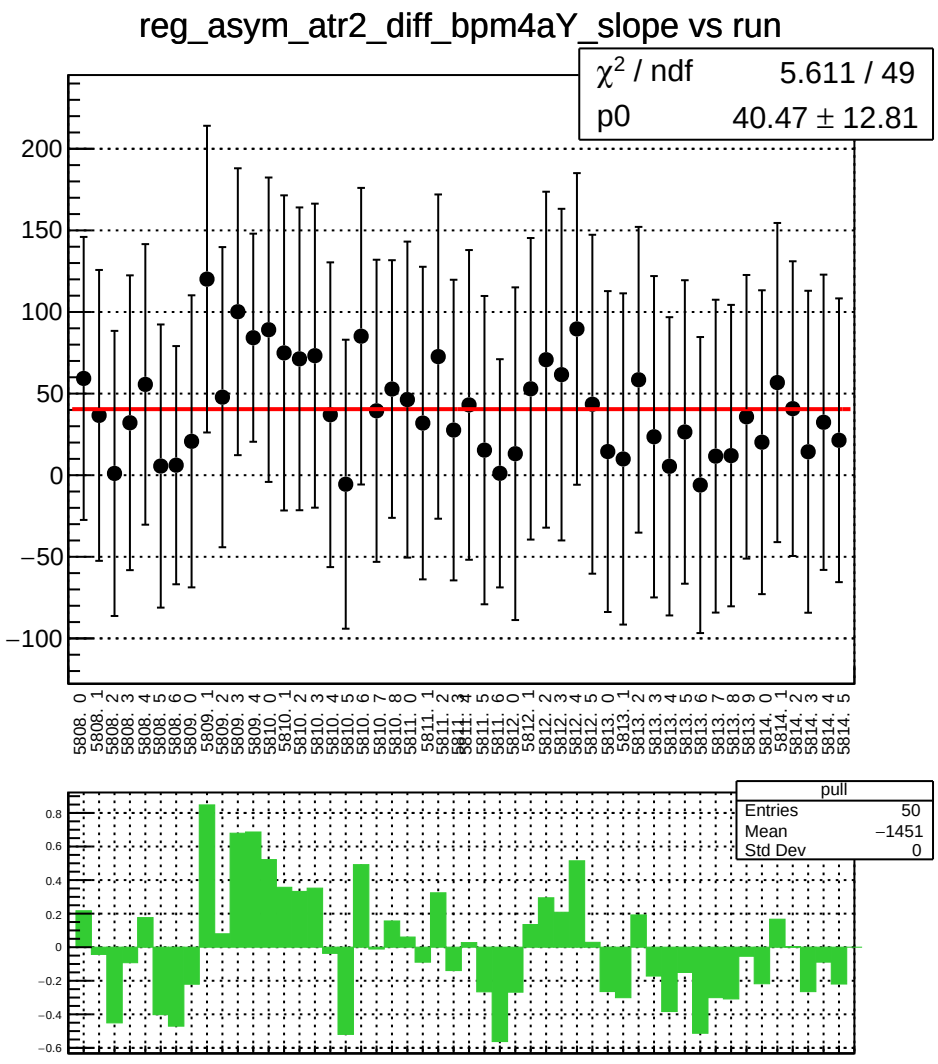

pull1D
Entries 50
Mean 0.0008234
Std Dev 0.9112

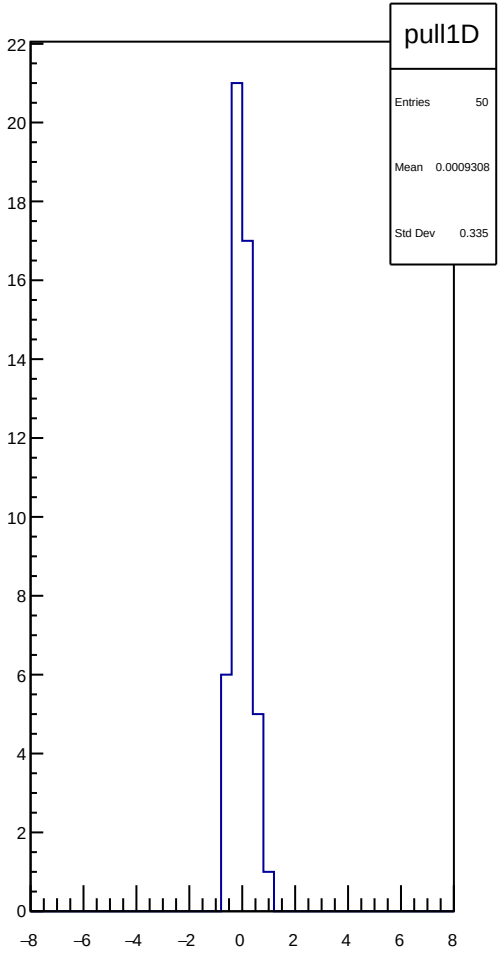

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 53.59 / 49
p0 −11.54 ± 0.25
pull
Entries 50
Mean −8.453
Std Dev 19.61

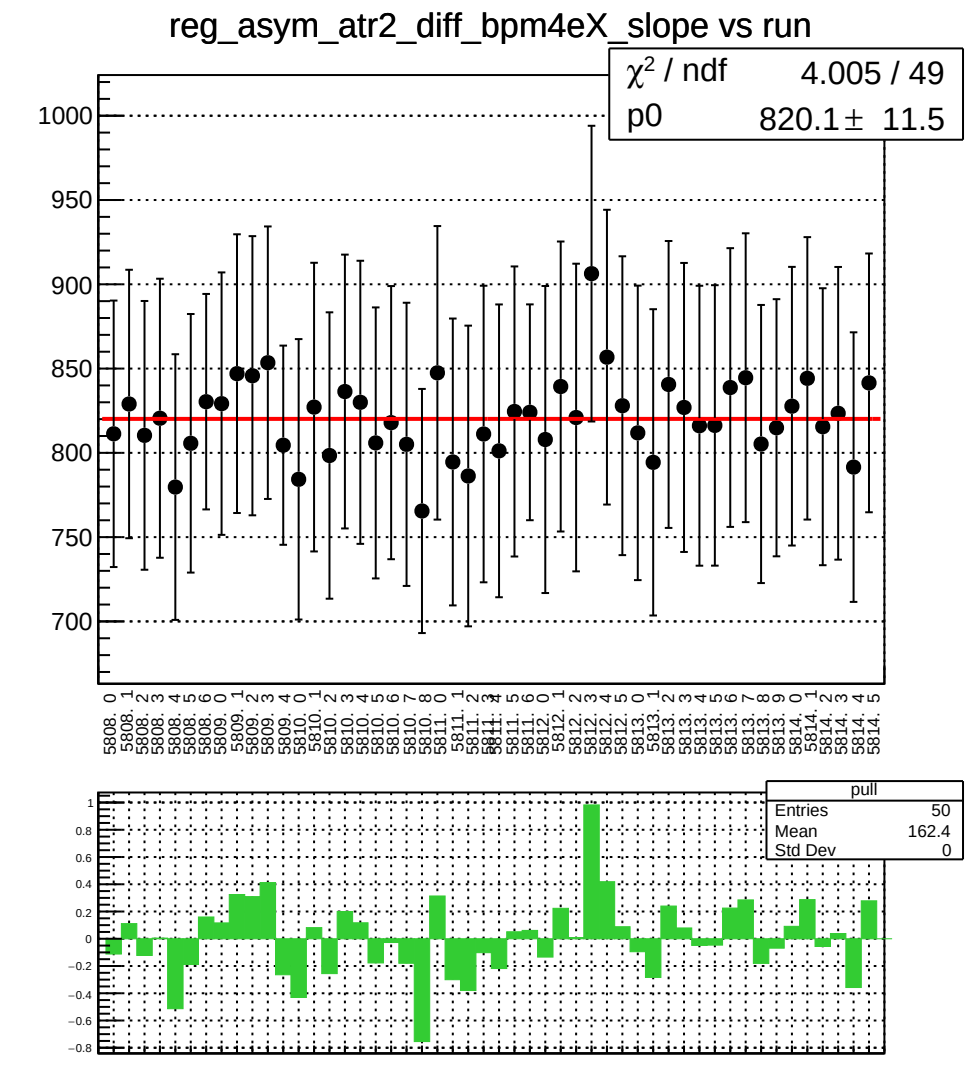

pull1D
Entries 50
Mean −0.0119
Std Dev 1.035

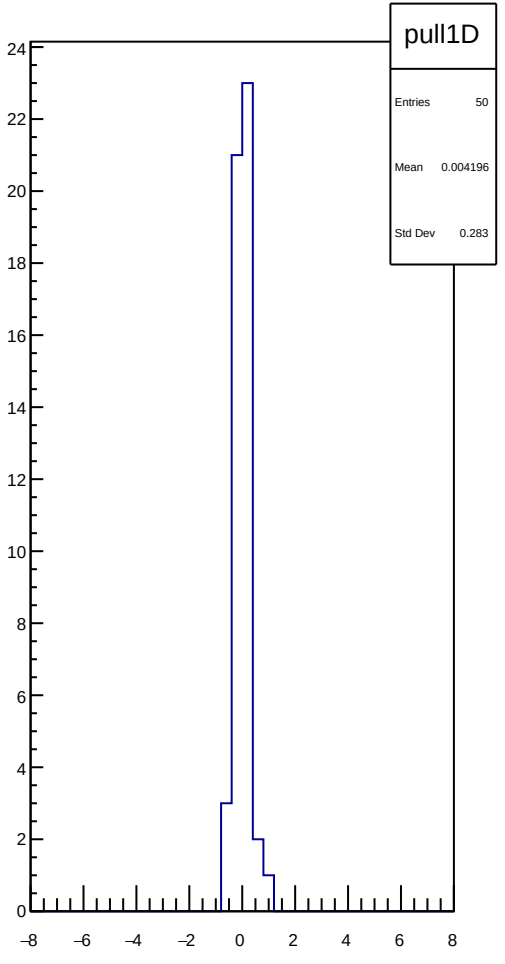

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 5.102 / 49
p0 −464.4 ± 8.03
pull
Entries 50
Mean 234.3
Std Dev 0

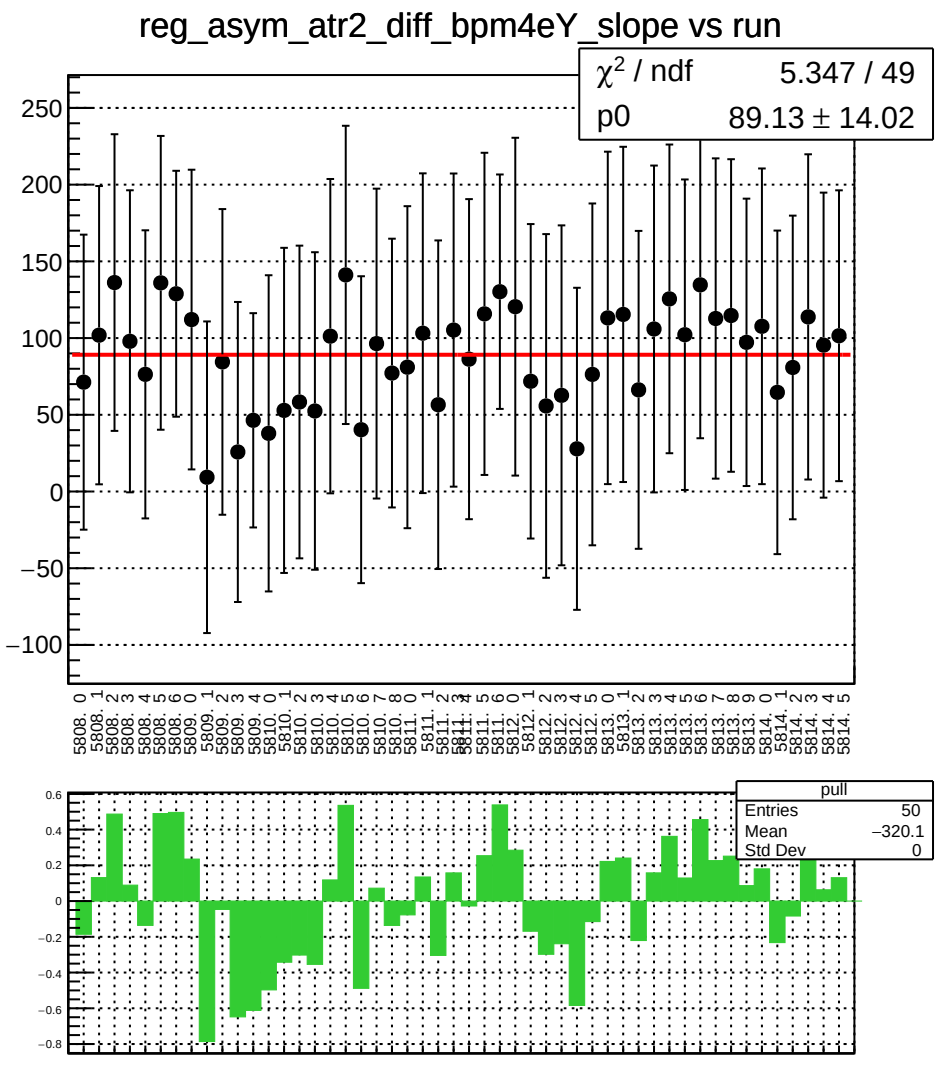

pull1D
Entries 50
Mean −0.00991
Std Dev 0.3193

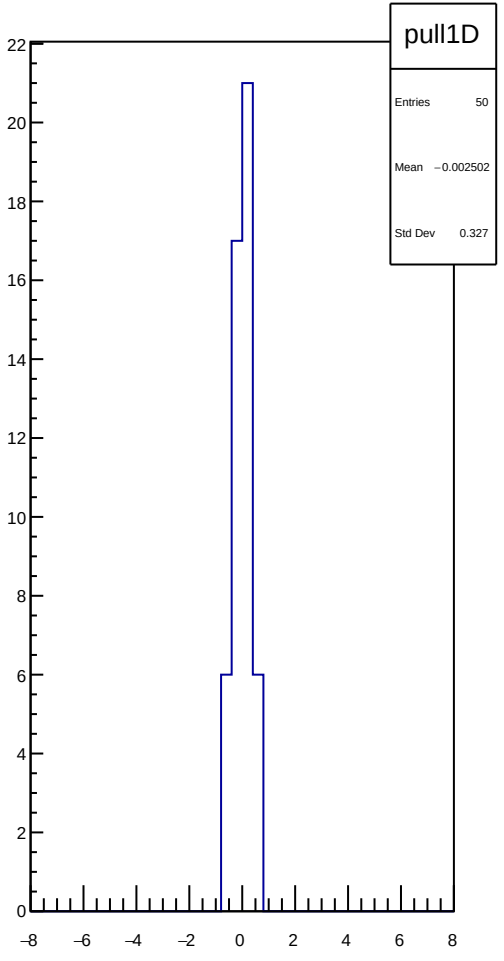

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 5.611 / 49
p0 40.47 ± 12.81
pull
Entries 50
Mean −1451
Std Dev 0

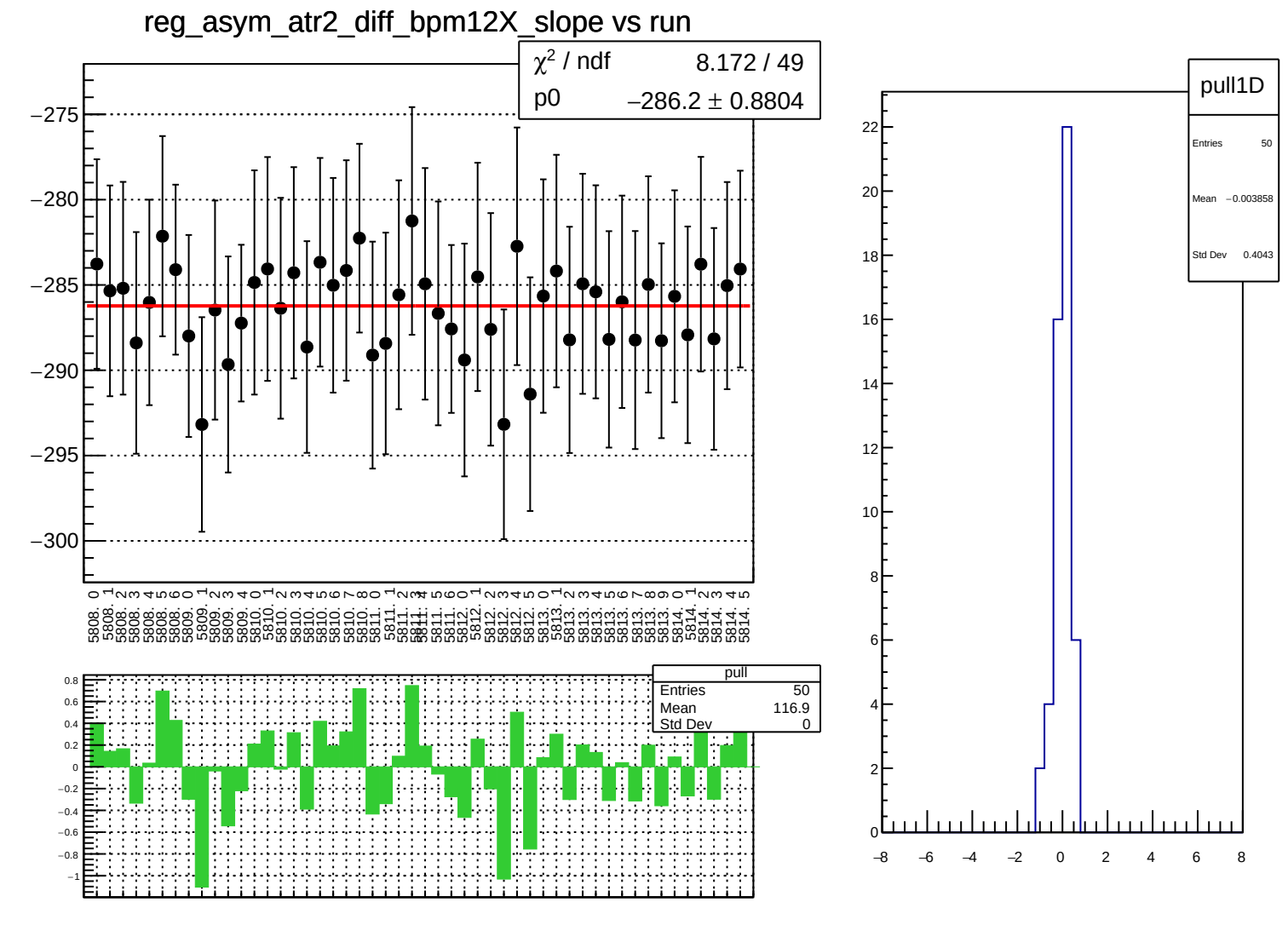

pull1D
Entries 50
Mean 0.0009308
Std Dev 0.335

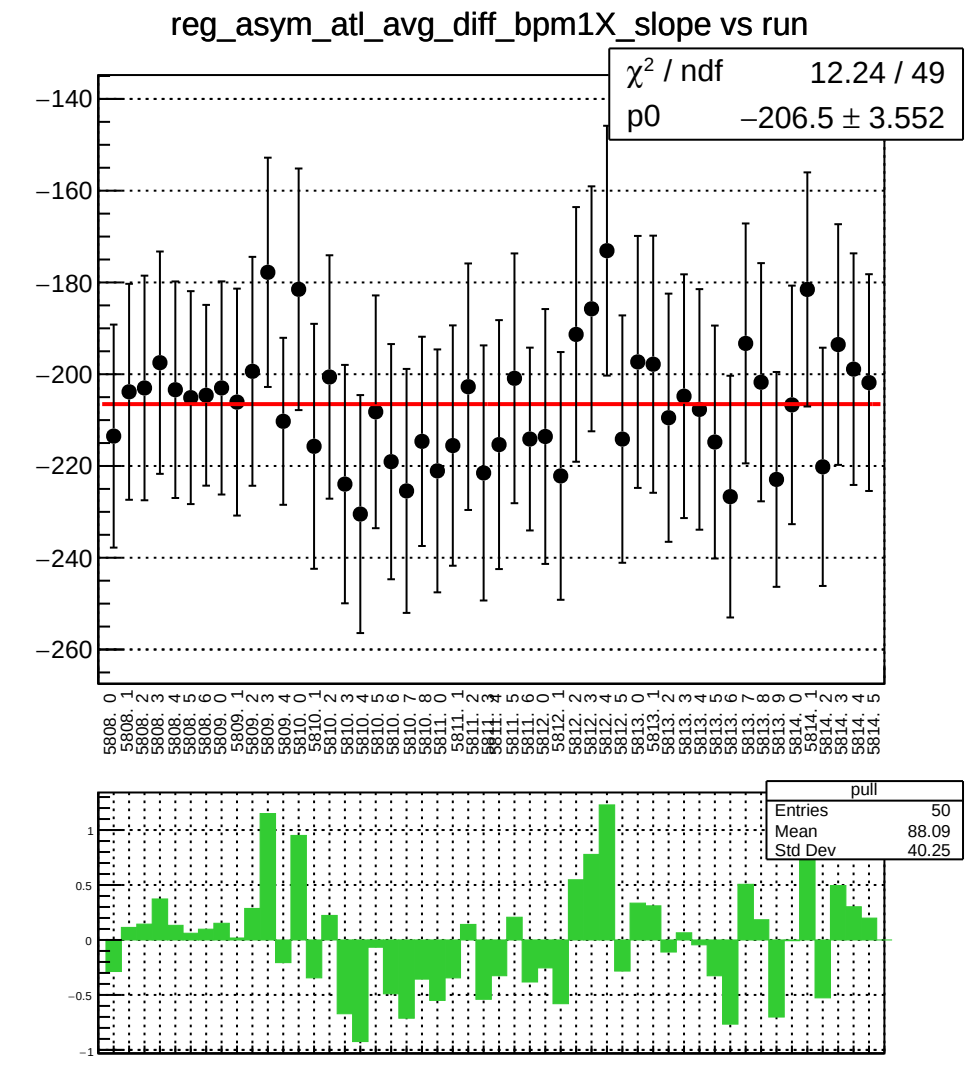

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 4.005 / 49
p0 820.1 ± 11.5
pull
Entries 50
Mean 162.4
Std Dev 0

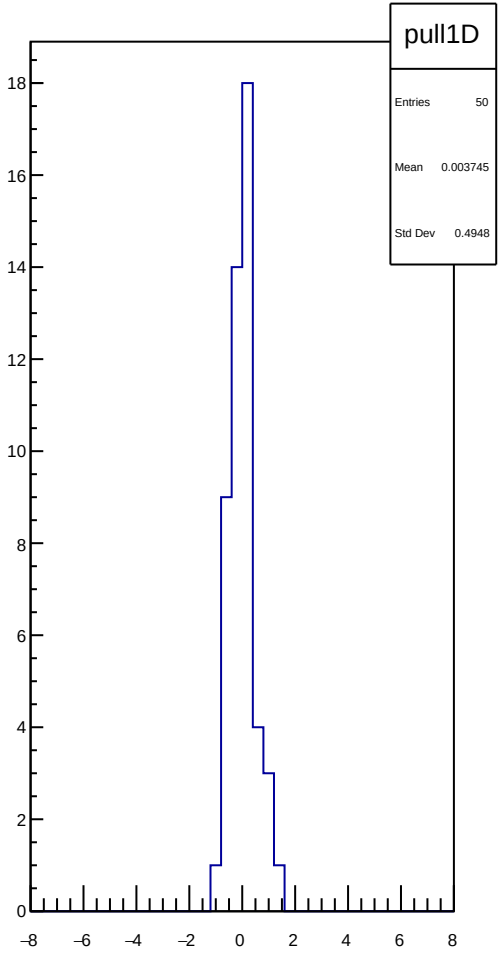

pull1D
Entries 50
Mean 0.004196
Std Dev 0.283

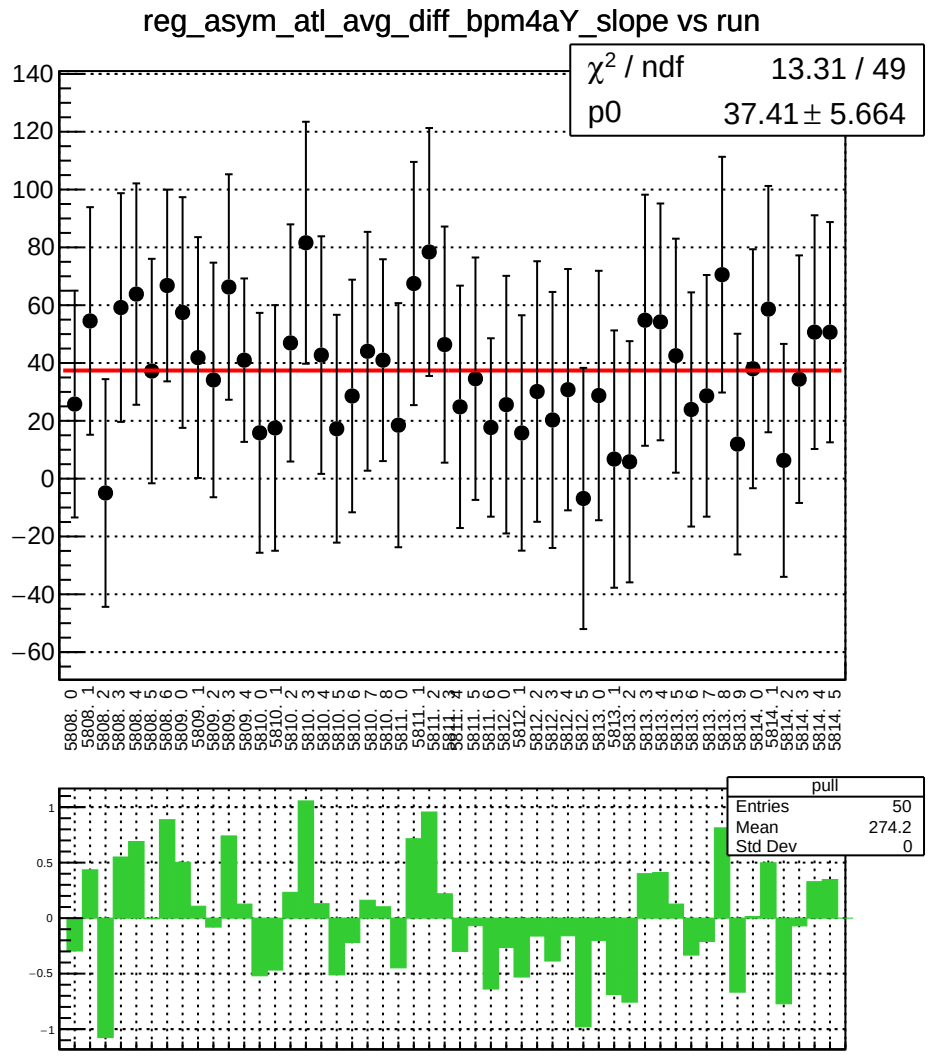

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 5.347 / 49
p0 89.13 ± 14.02
pull
Entries 50
Mean −320.1
Std Dev 0

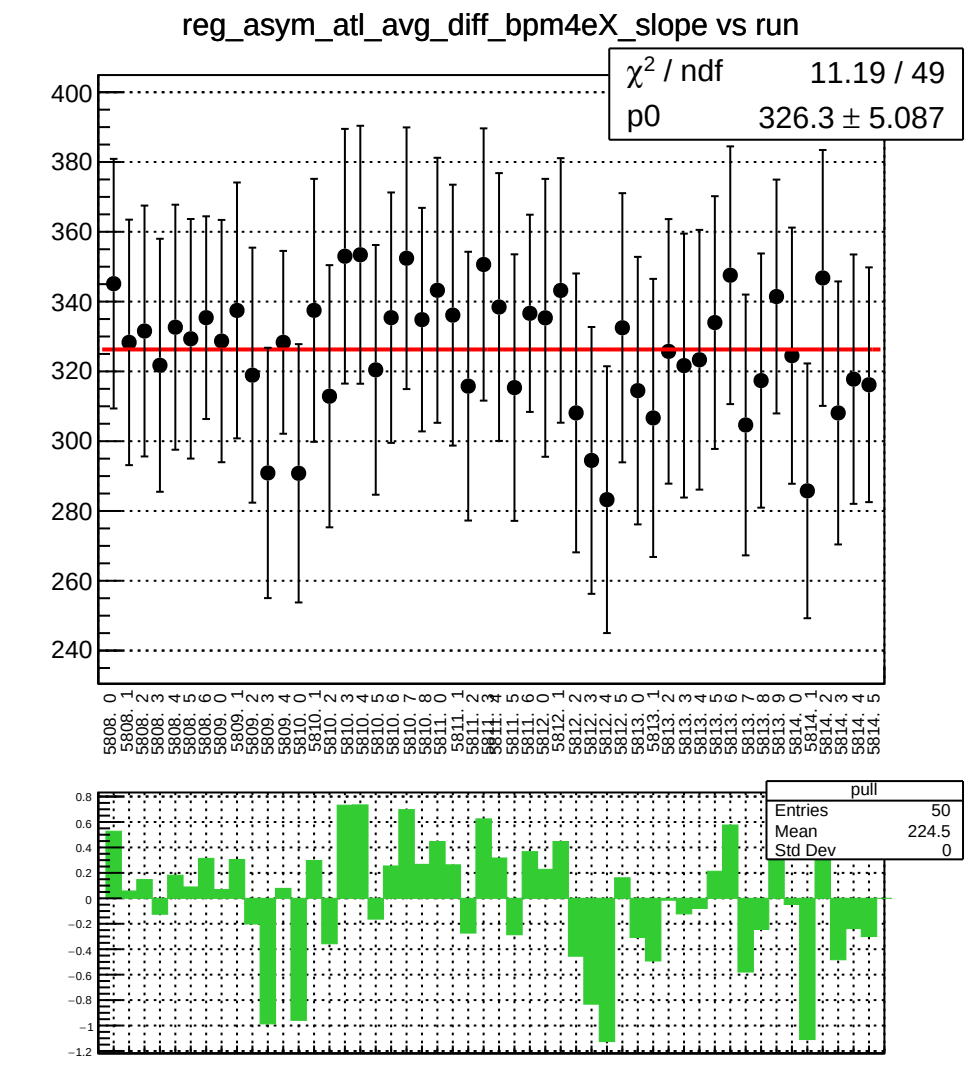

pull1D
Entries 50
Mean −0.002502
Std Dev 0.327

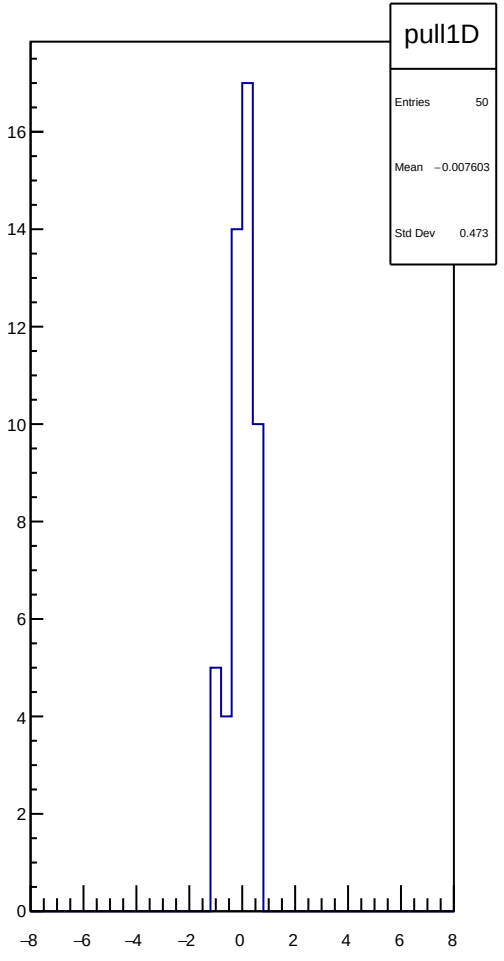

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 8.172 / 49
p0 −286.2 ± 0.8804
−275
−280
−285
−290
−295
−300
pull
Entries 50
Mean 116.9
Std Dev 0
pull1D
Entries 50
Mean −0.003858
Std Dev 0.4043

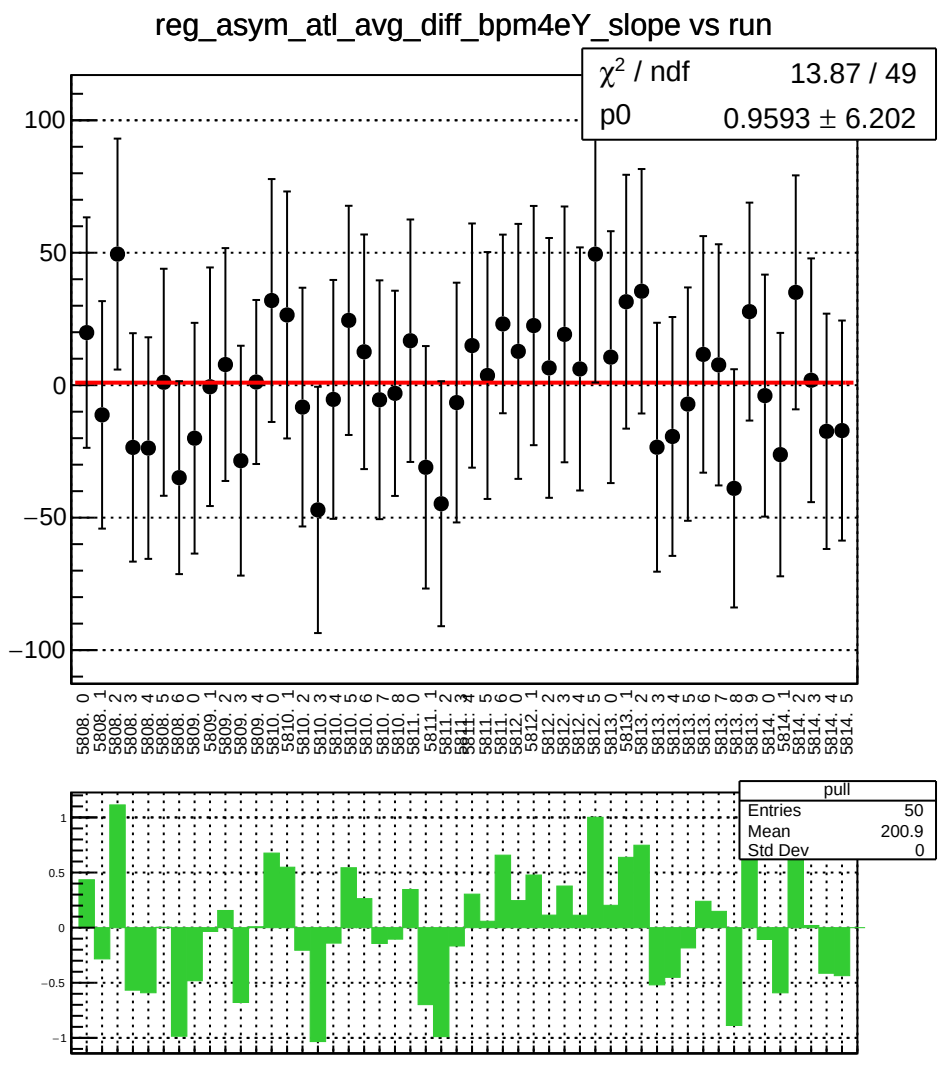

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 12.24 / 49
p0 −206.5 ± 3.552
pull
Entries 50
Mean 88.09
Std Dev 40.25

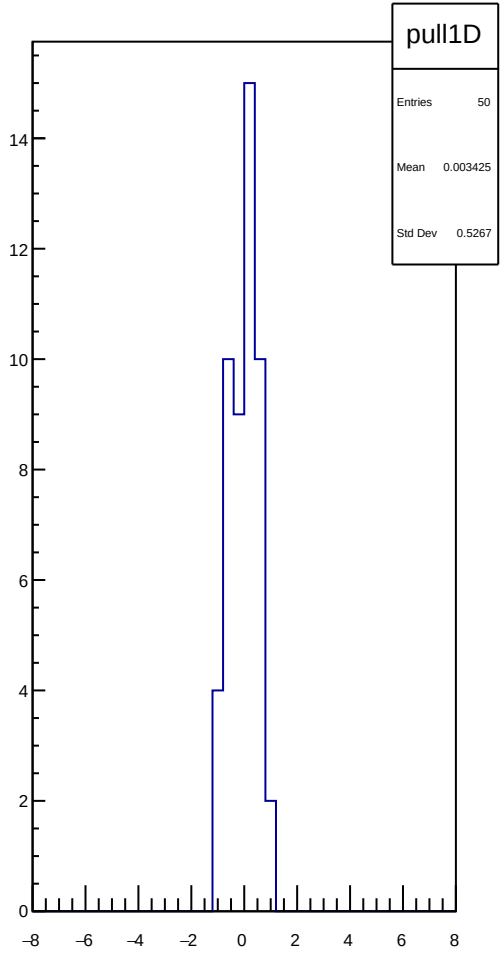

pull1D
Entries 50
Mean 0.003745
Std Dev 0.4948

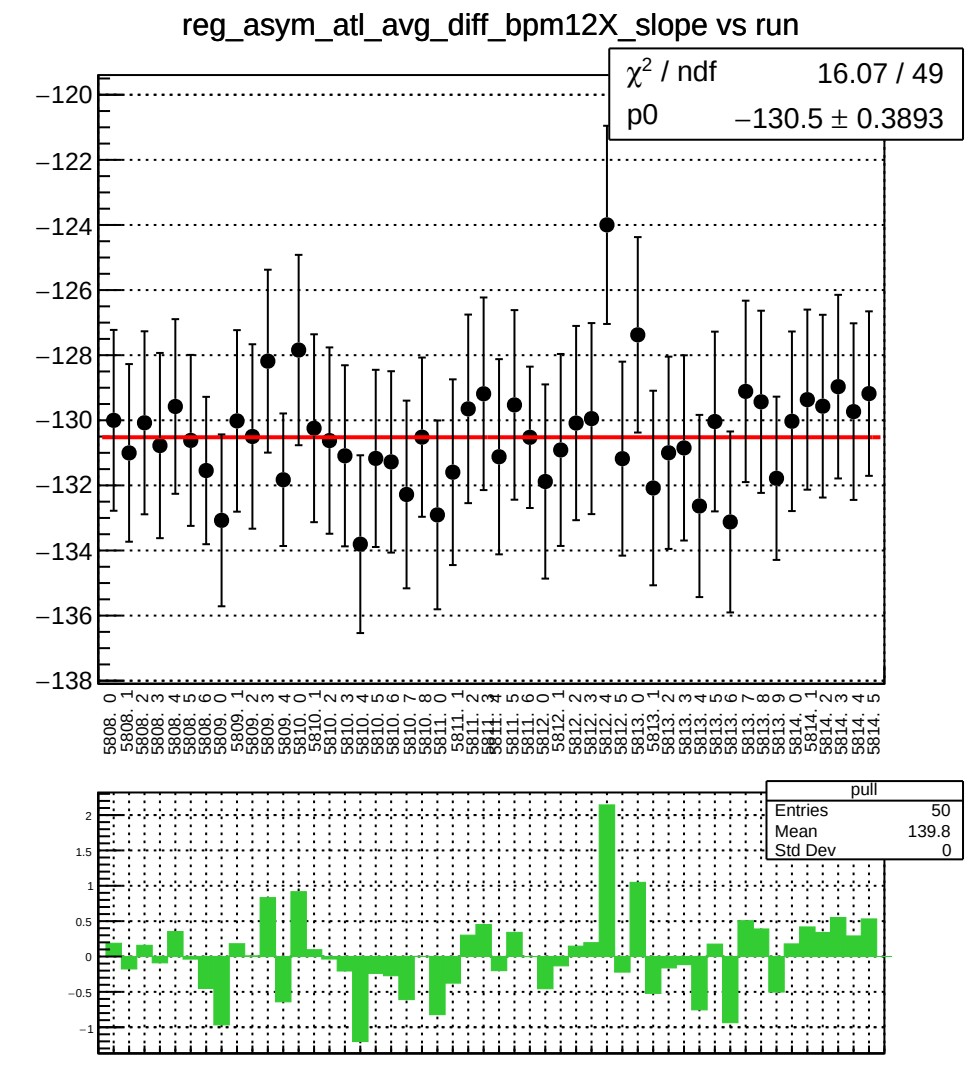

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.31 / 49
p0 37.41 ± 5.664
pull
Entries 50
Mean 274.2
Std Dev 0
pull1D
Entries 50
Mean −0.005142
Std Dev 0.516

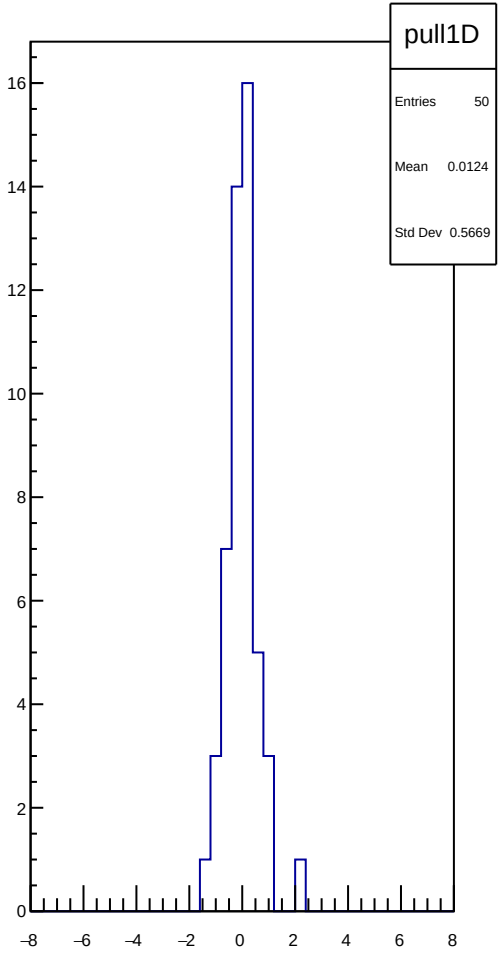

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.19 / 49
p0 326.3 ± 5.087
pull
Entries 50
Mean 224.5
Std Dev 0

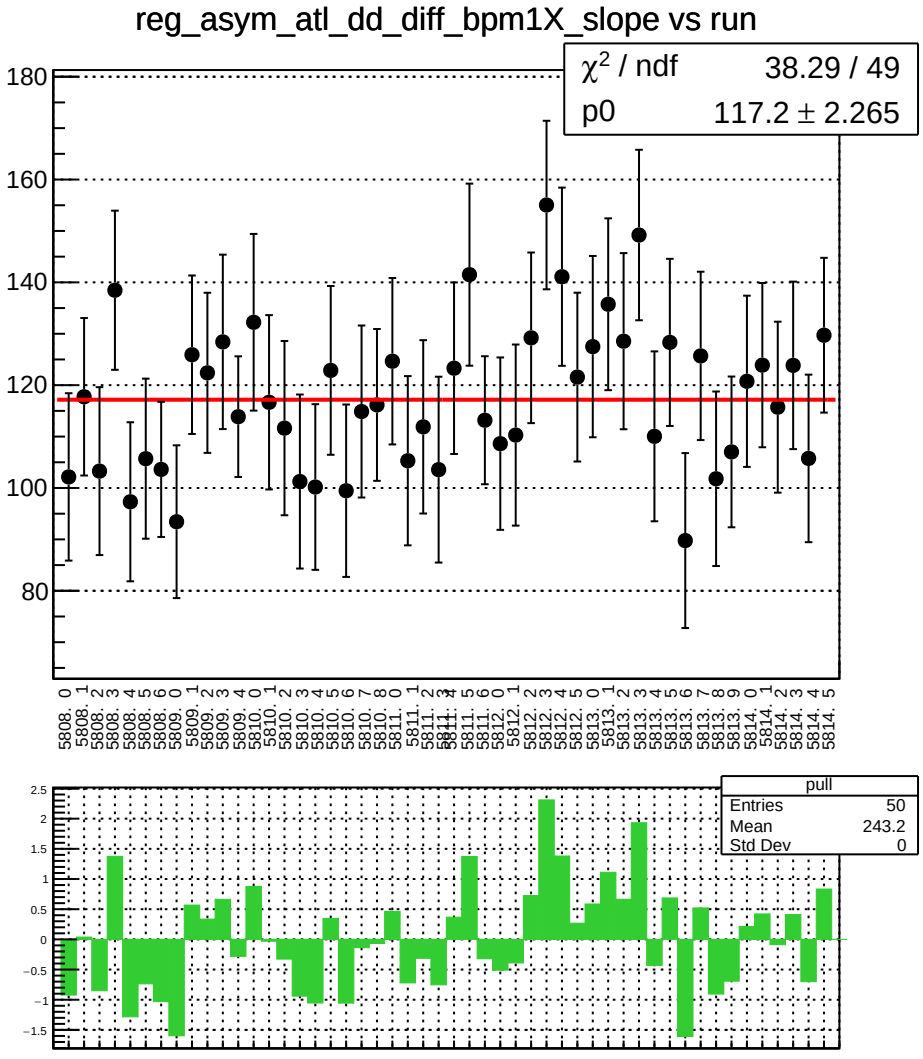

pull1D
Entries 50
Mean −0.007603
Std Dev 0.473

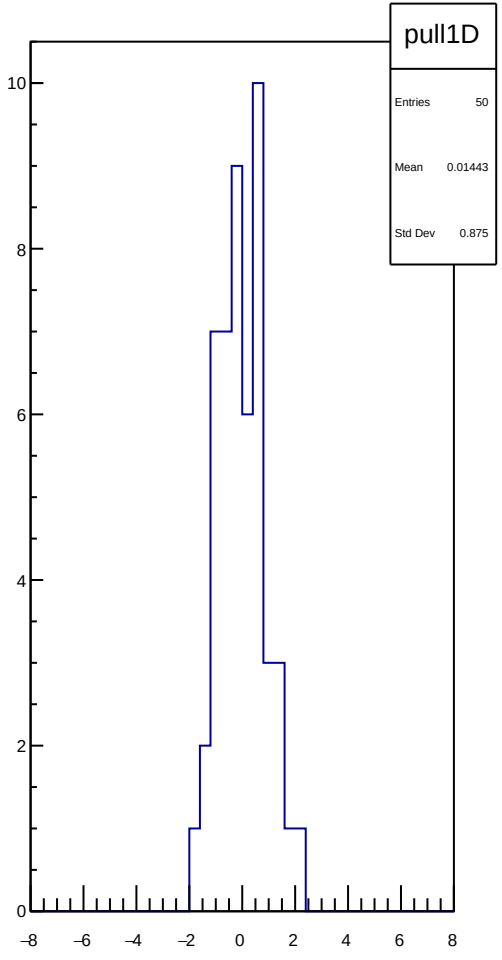

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.87 / 49
p0 0.9593 ± 6.202
100
50
0
−50
−100
pull
Entries 50
Mean 200.9
Std Dev 0
1
0.5
0
−0.5
−1

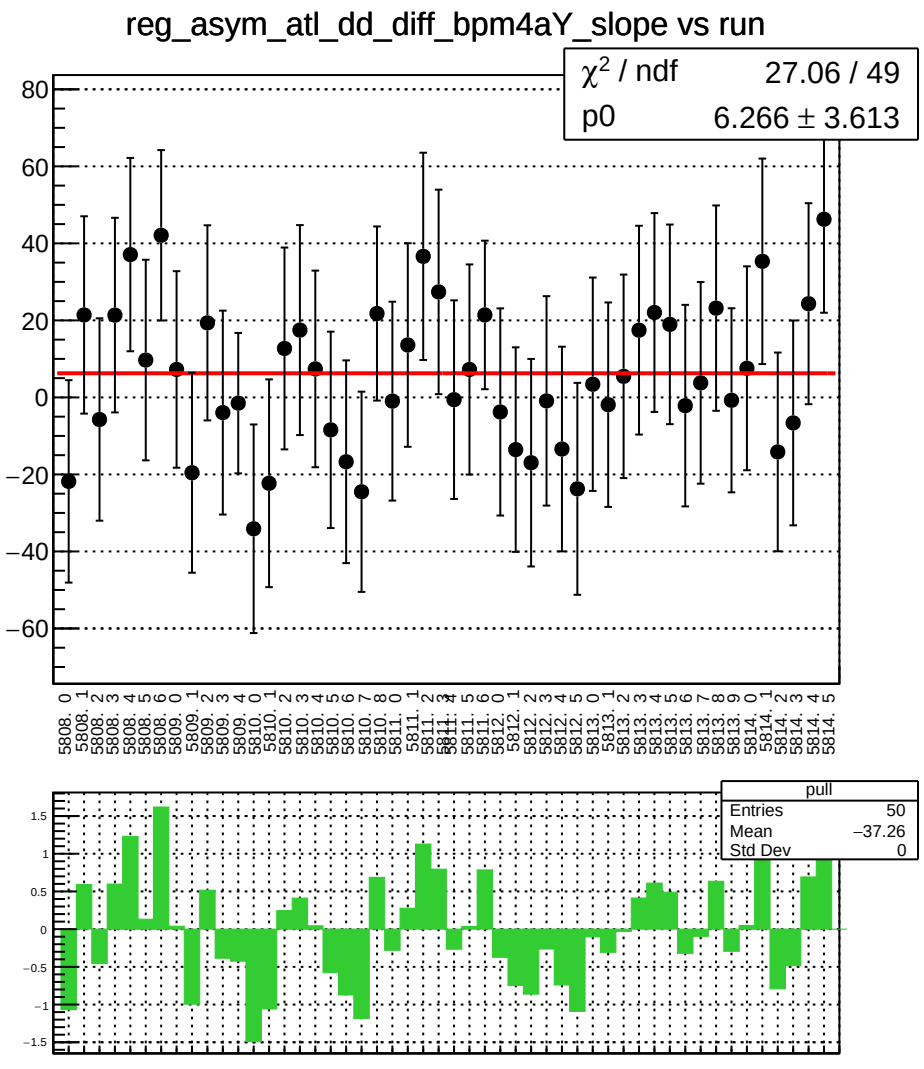

pull1D
Entries 50
Mean 0.003425
Std Dev 0.5267
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

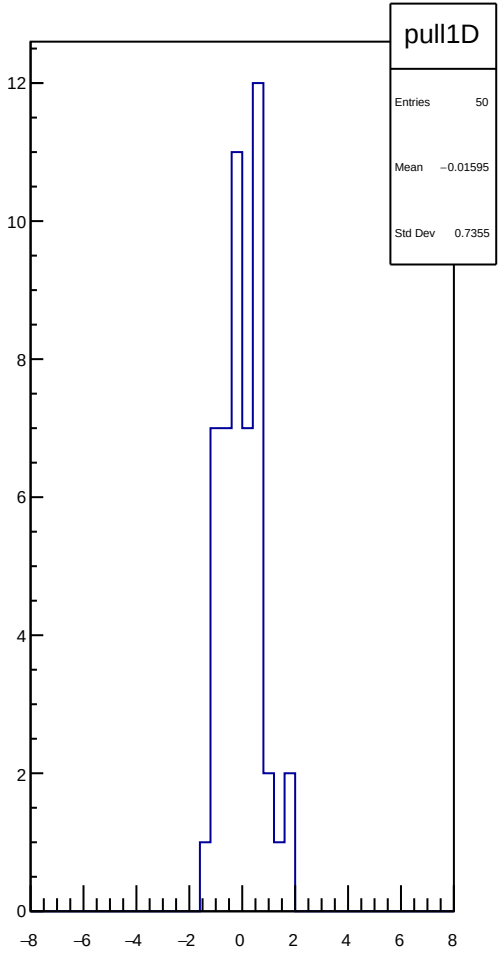

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 16.07 / 49
p0 −130.5 ± 0.3893
pull
Entries 50
Mean 139.8
Std Dev 0

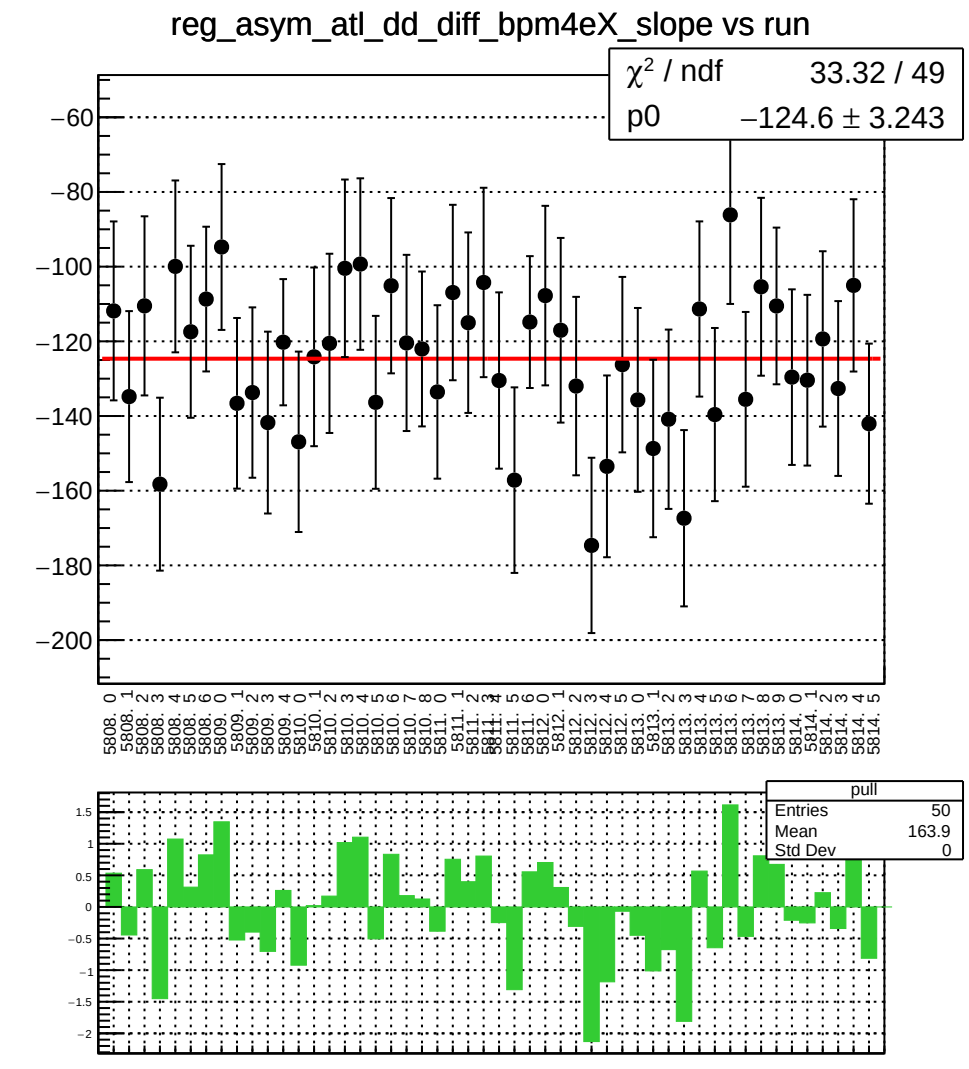

pull1D
Entries 50
Mean 0.0124
Std Dev 0.5669

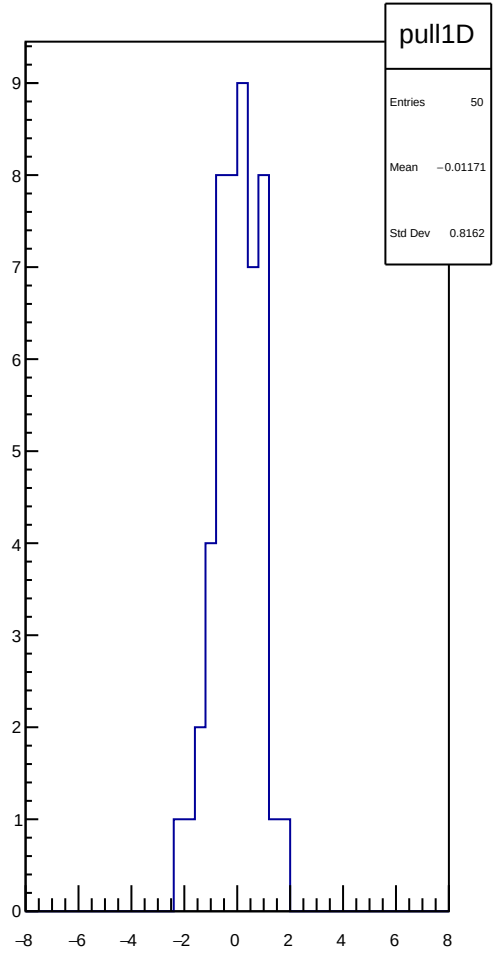

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 38.29 / 49
p0 117.2 ± 2.265
pull
Entries 50
Mean 243.2
Std Dev 0

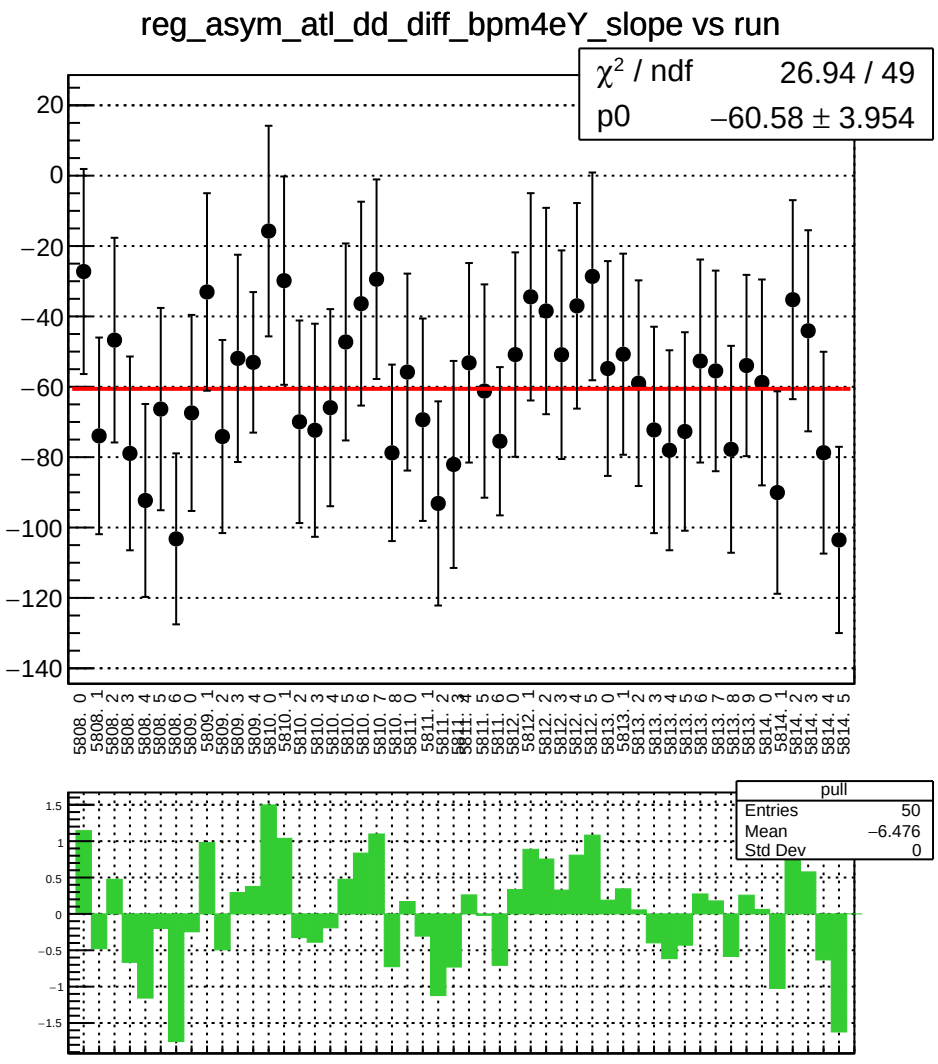

pull1D
Entries 50
Mean 0.01443
Std Dev 0.875

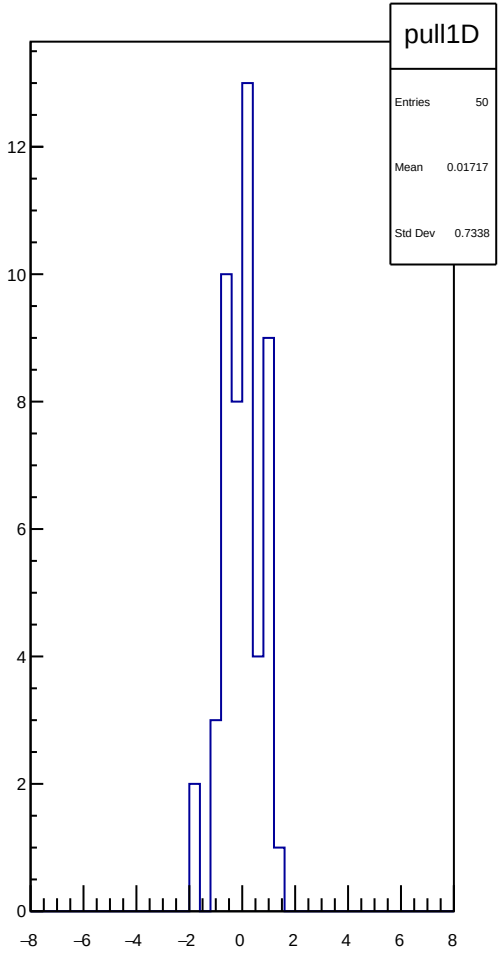

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.06 / 49
p0 6.266 ± 3.613
pull
Entries 50
Mean −37.26
Std Dev 0

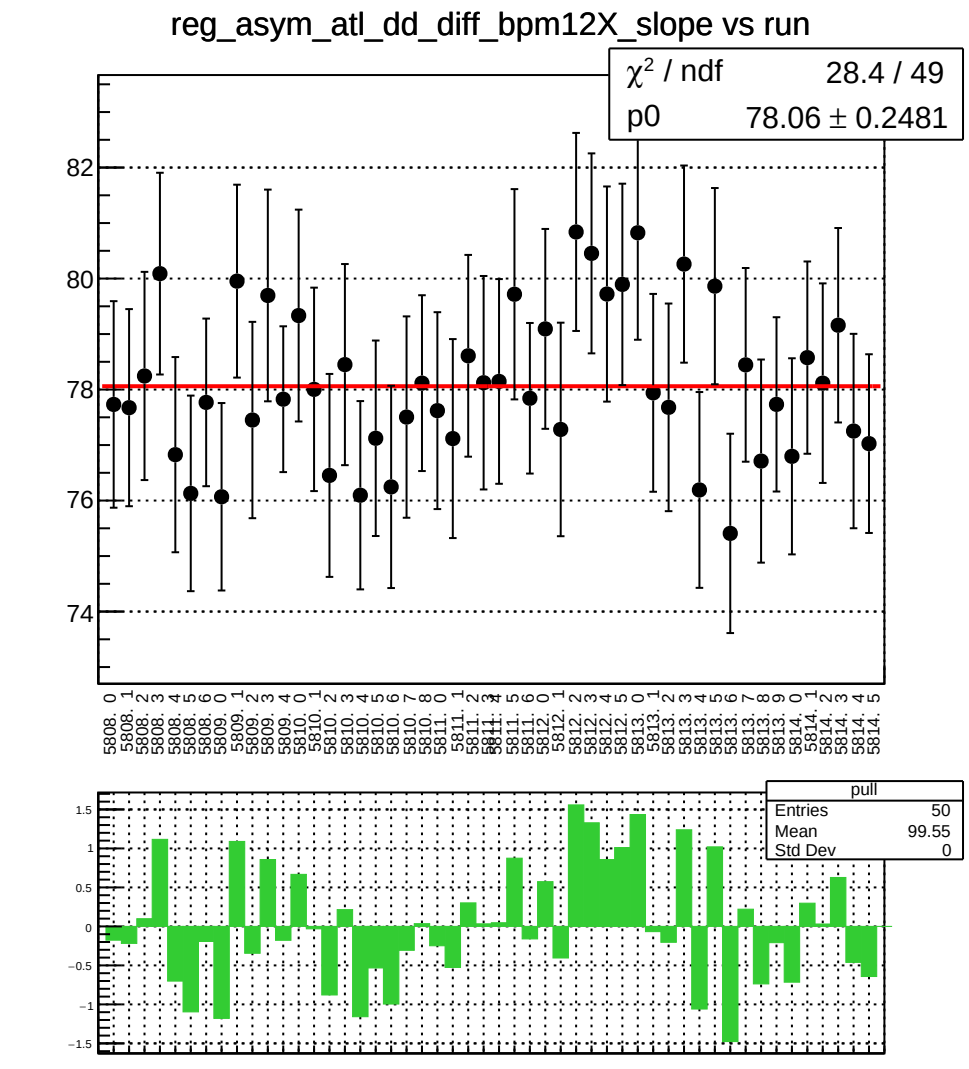

pull1D
Entries 50
Mean −0.01595
Std Dev 0.7355

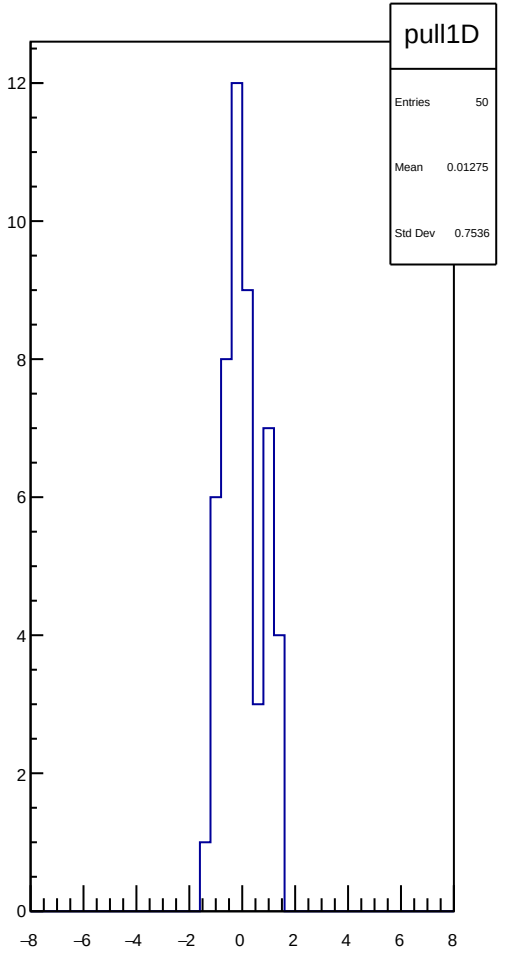

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.32 / 49
p0 −124.6 ± 3.243
pull
Entries 50
Mean 163.9
Std Dev 0

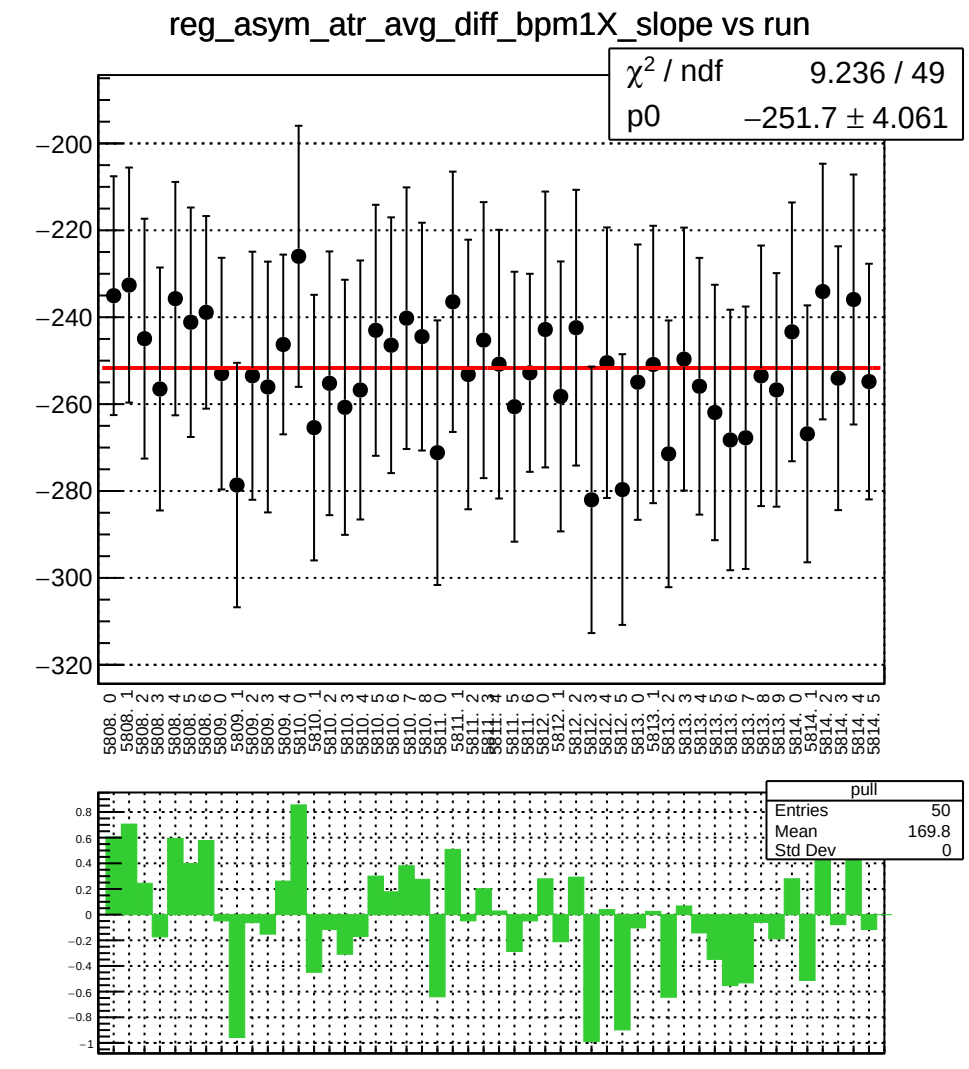

pull1D
Entries 50
Mean −0.01171
Std Dev 0.8162

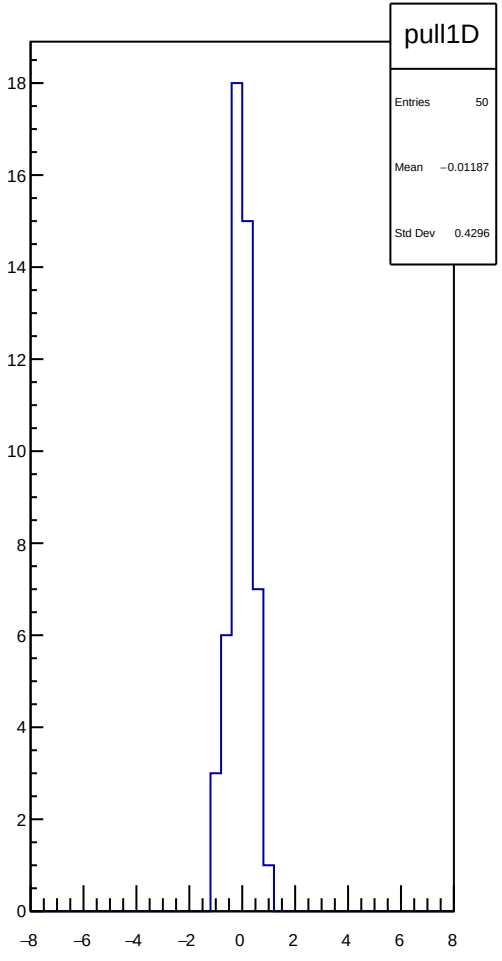

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 26.94 / 49
p0 −60.58 ± 3.954
pull
Entries 50
Mean −6.476
Std Dev 0

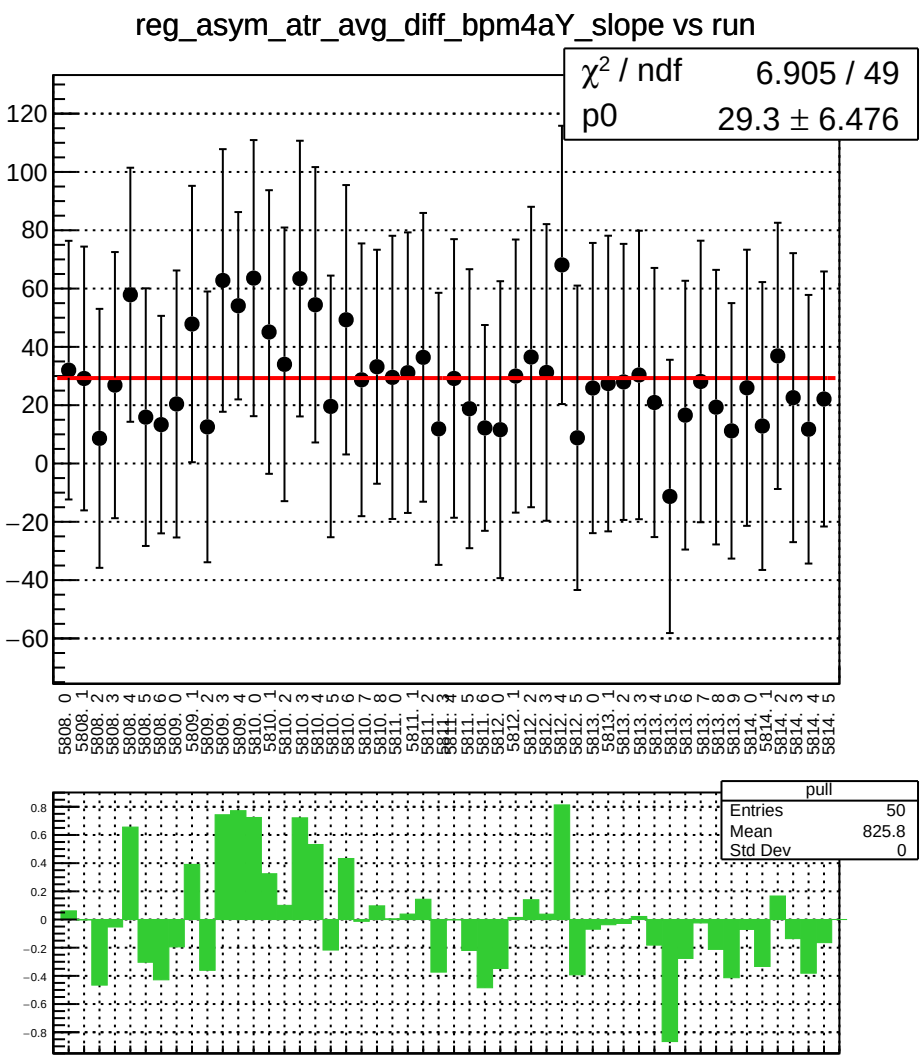

pull1D
Entries 50
Mean 0.01717
Std Dev 0.7338

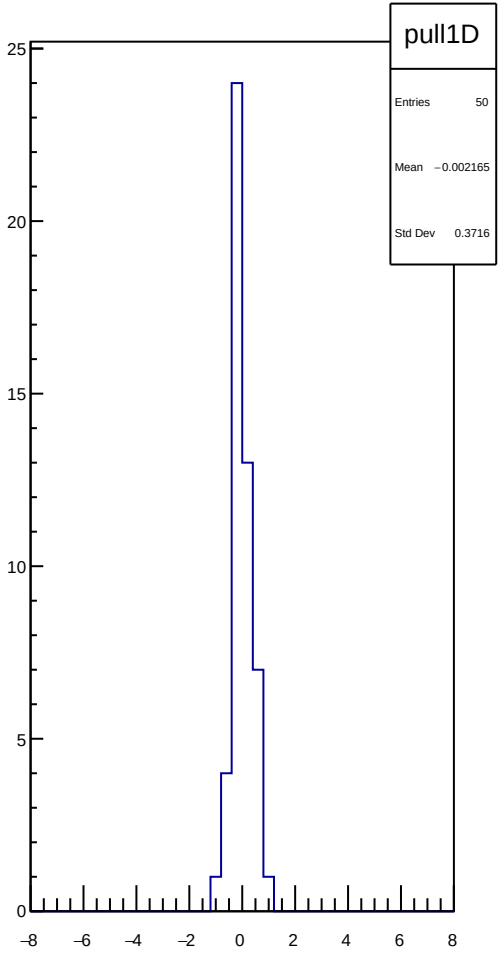

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 28.4 / 49
p0 78.06 ± 0.2481
82
80
78
76
74
pull
Entries 50
Mean 99.55
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

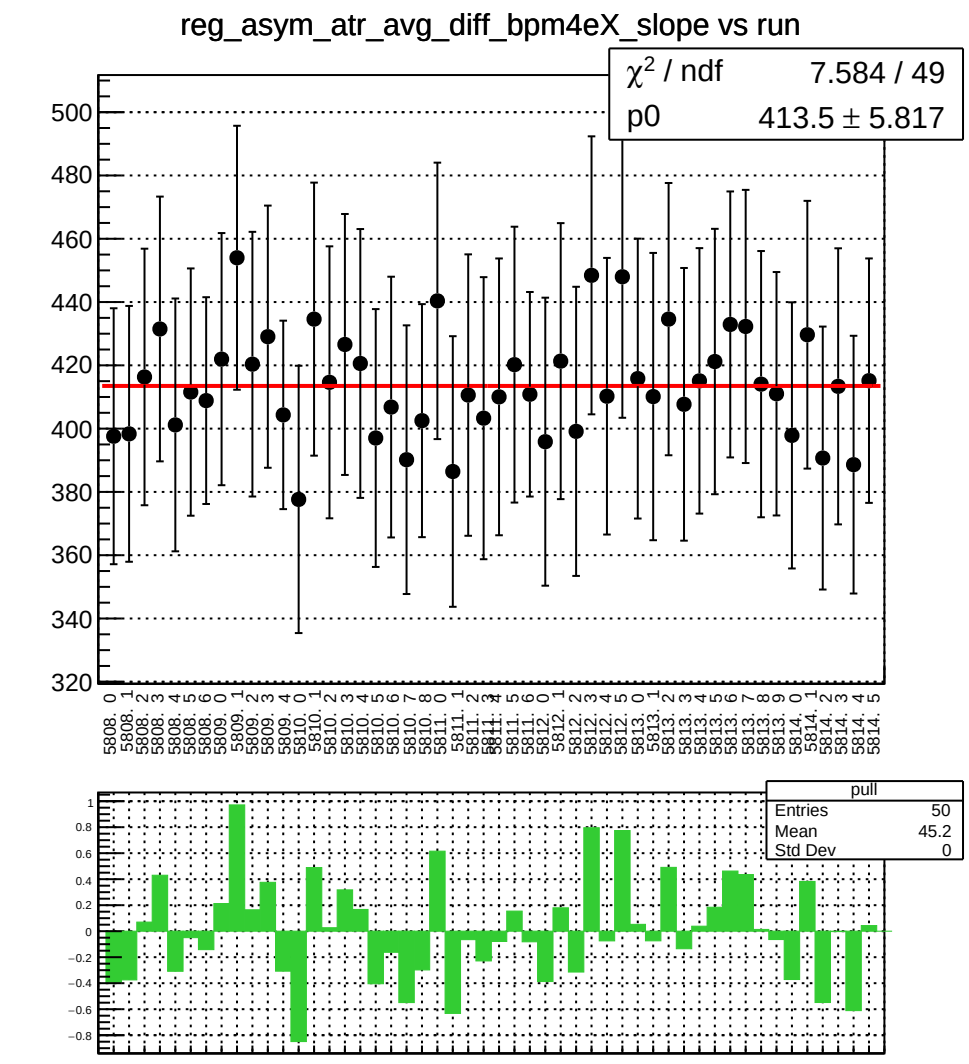

pull1D
Entries 50
Mean 0.01275
Std Dev 0.7536
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

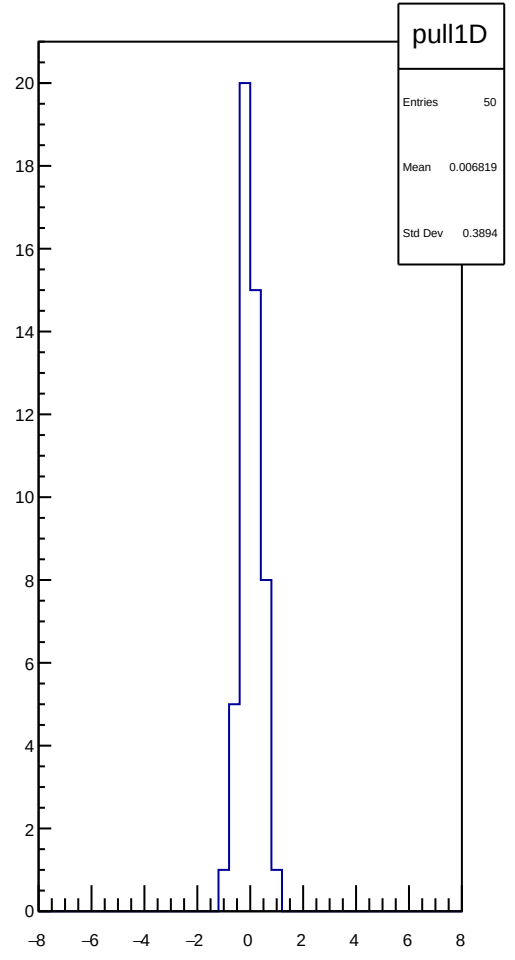

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 9.236 / 49
p0 −251.7 ± 4.061
pull
Entries 50
Mean 169.8
Std Dev 0

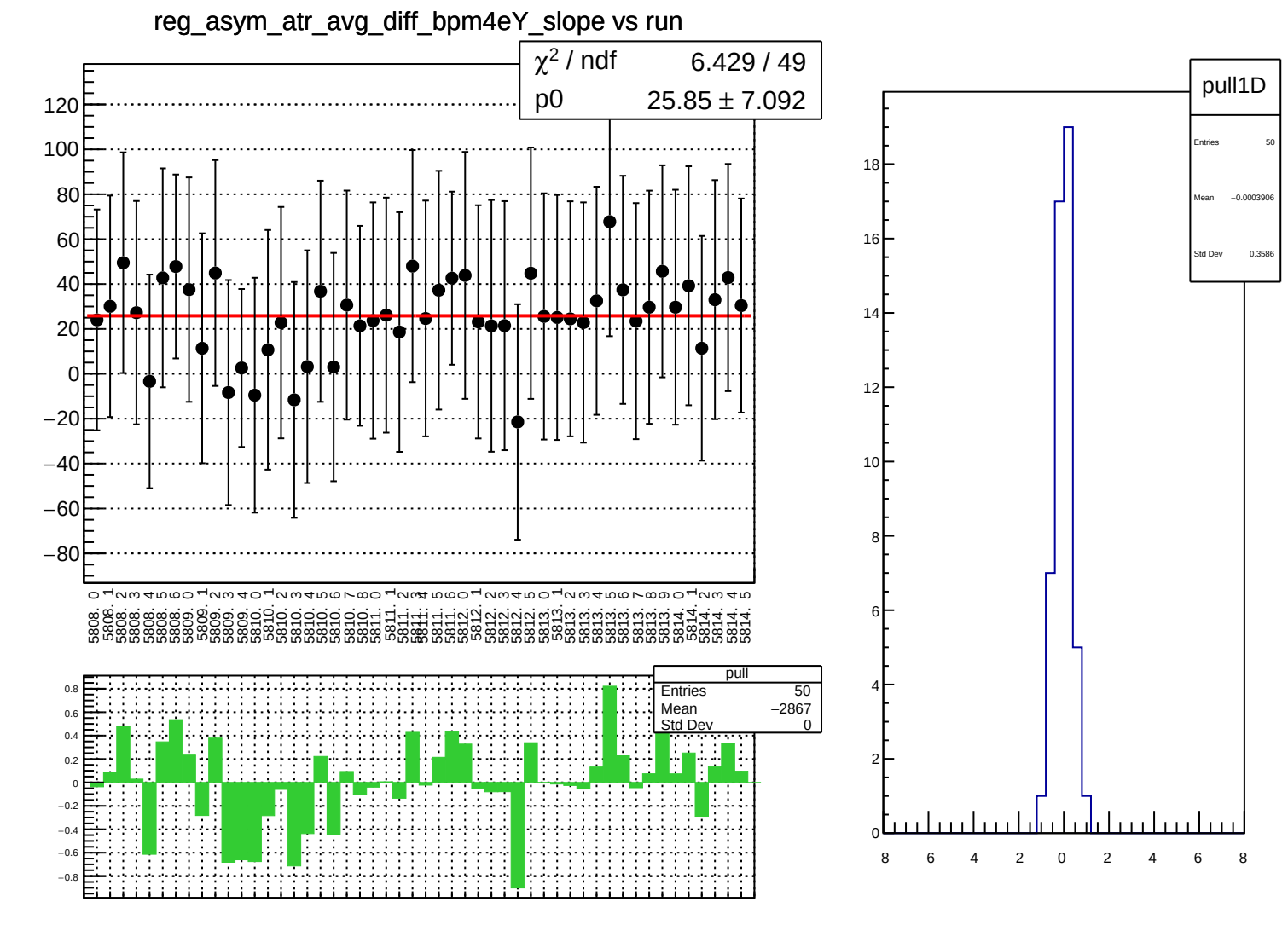

pull1D
Entries 50
Mean −0.01187
Std Dev 0.4296

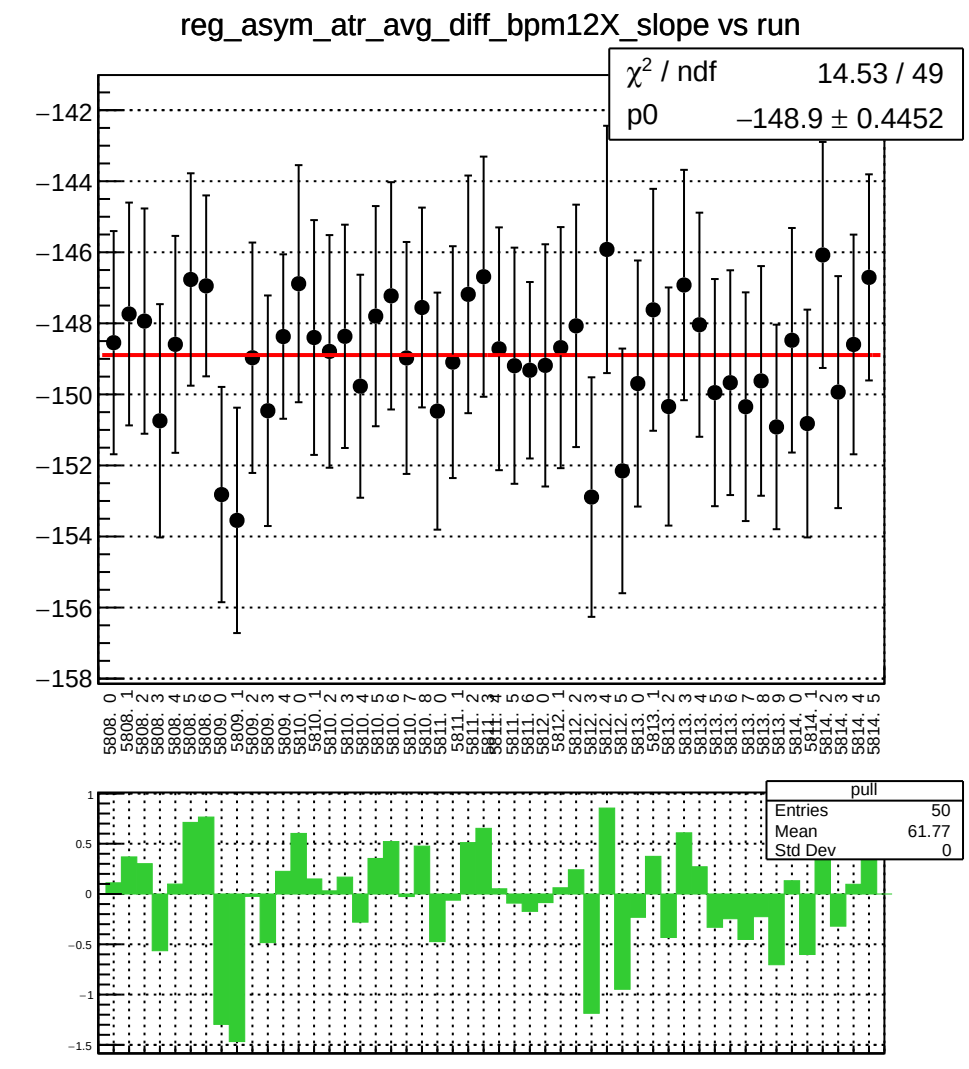

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.905 / 49
p0 29.3 ± 6.476
pull
Entries 50
Mean 825.8
Std Dev 0

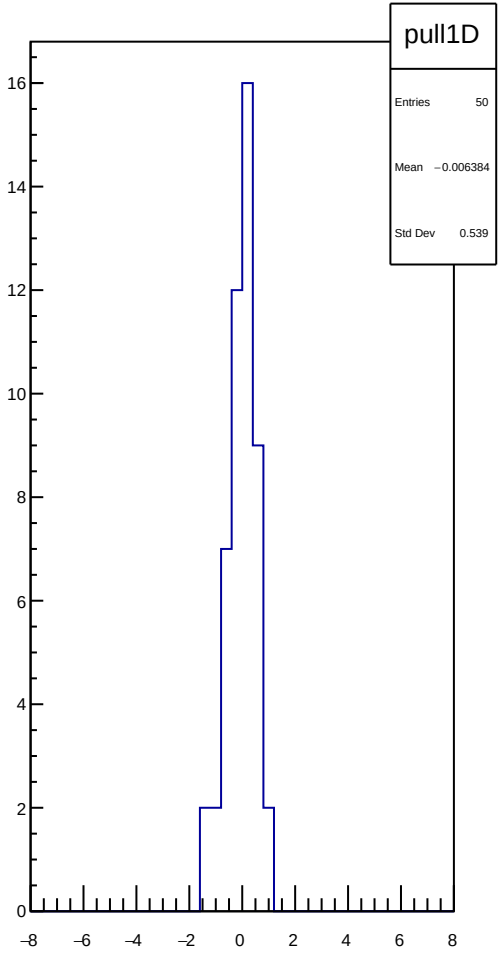

pull1D
Entries 50
Mean −0.002165
Std Dev 0.3716

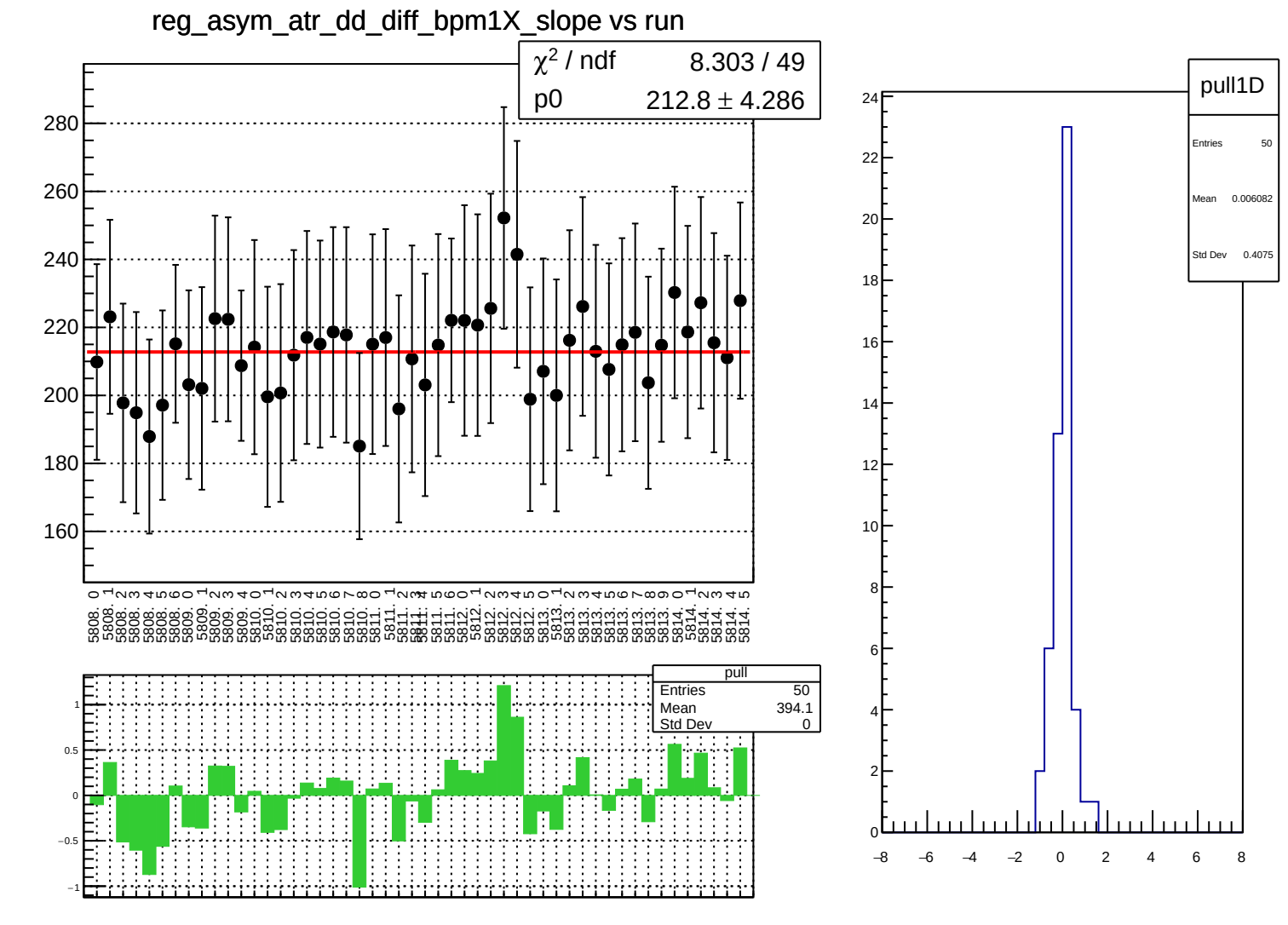

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 7.584 / 49
p0 413.5 ± 5.817
pull
Entries 50
Mean 45.2
Std Dev 0

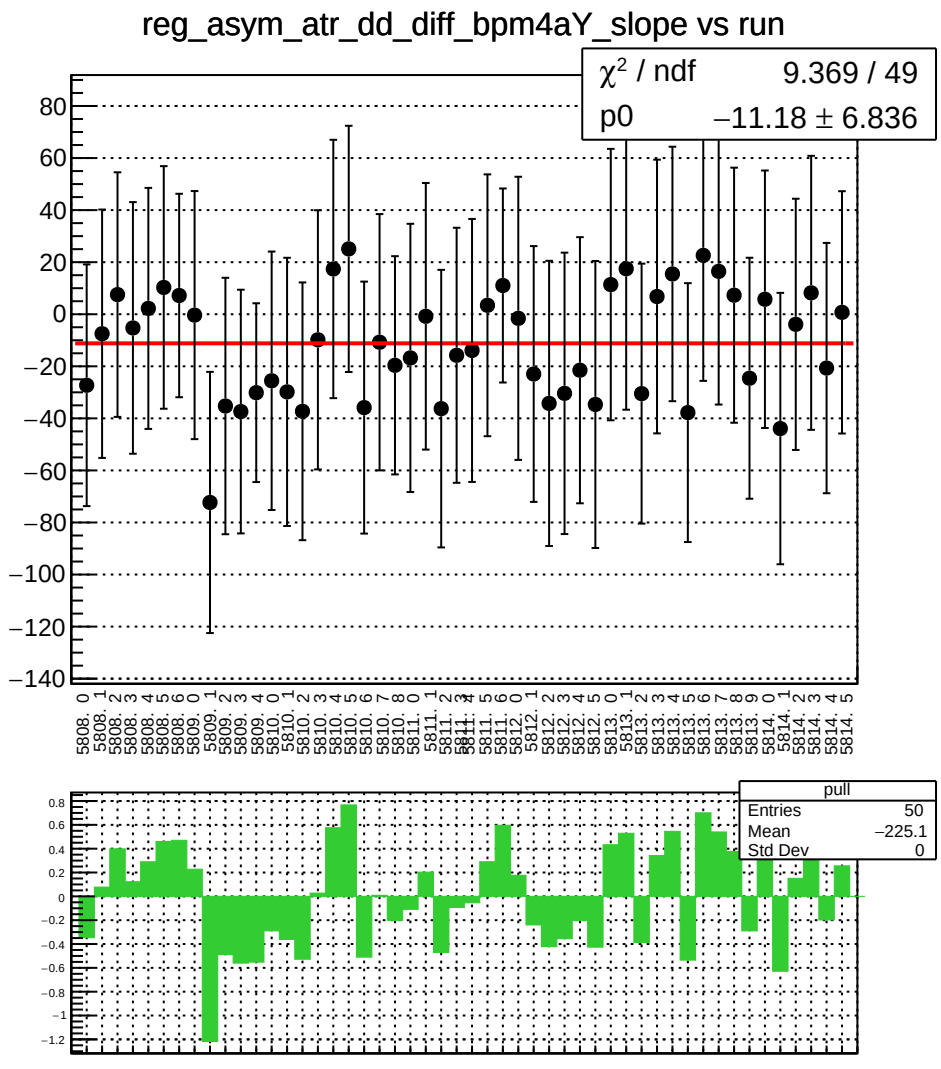

pull1D
Entries 50
Mean 0.006819
Std Dev 0.3894

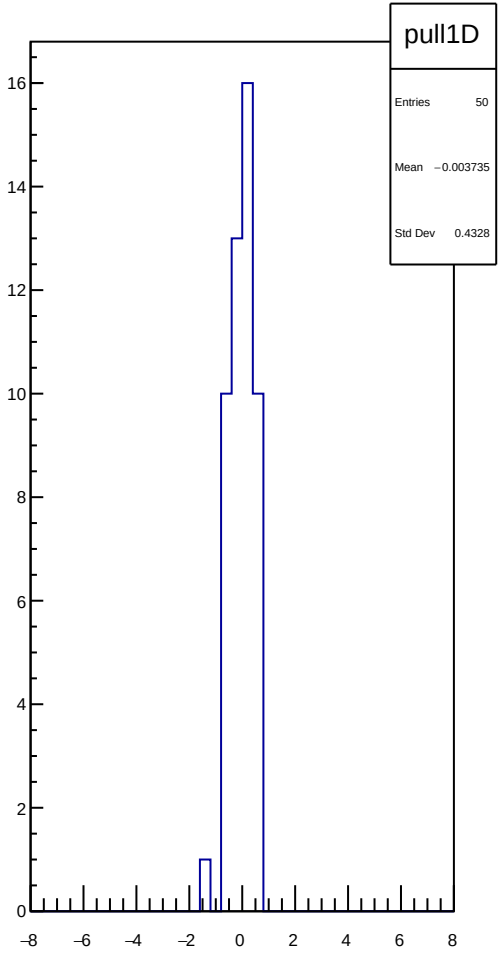

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.429 / 49
p0 25.85 ± 7.092
pull
Entries 50
Mean −2867
Std Dev 0
pull1D
Entries 50
Mean −0.0003906
Std Dev 0.3586

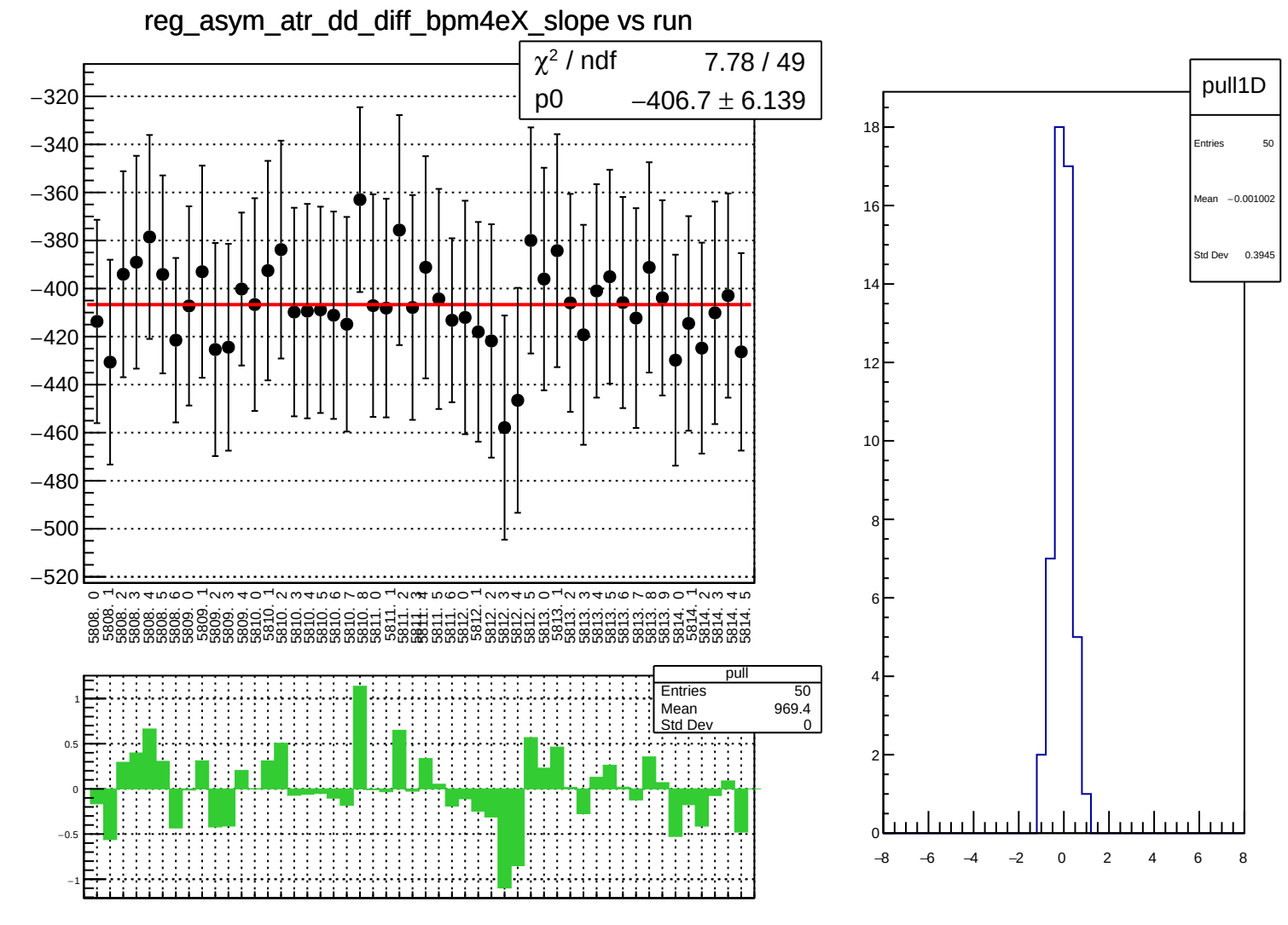

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 14.53 / 49
p0 −148.9 ± 0.4452
pull
Entries 50
Mean 61.77
Std Dev 0

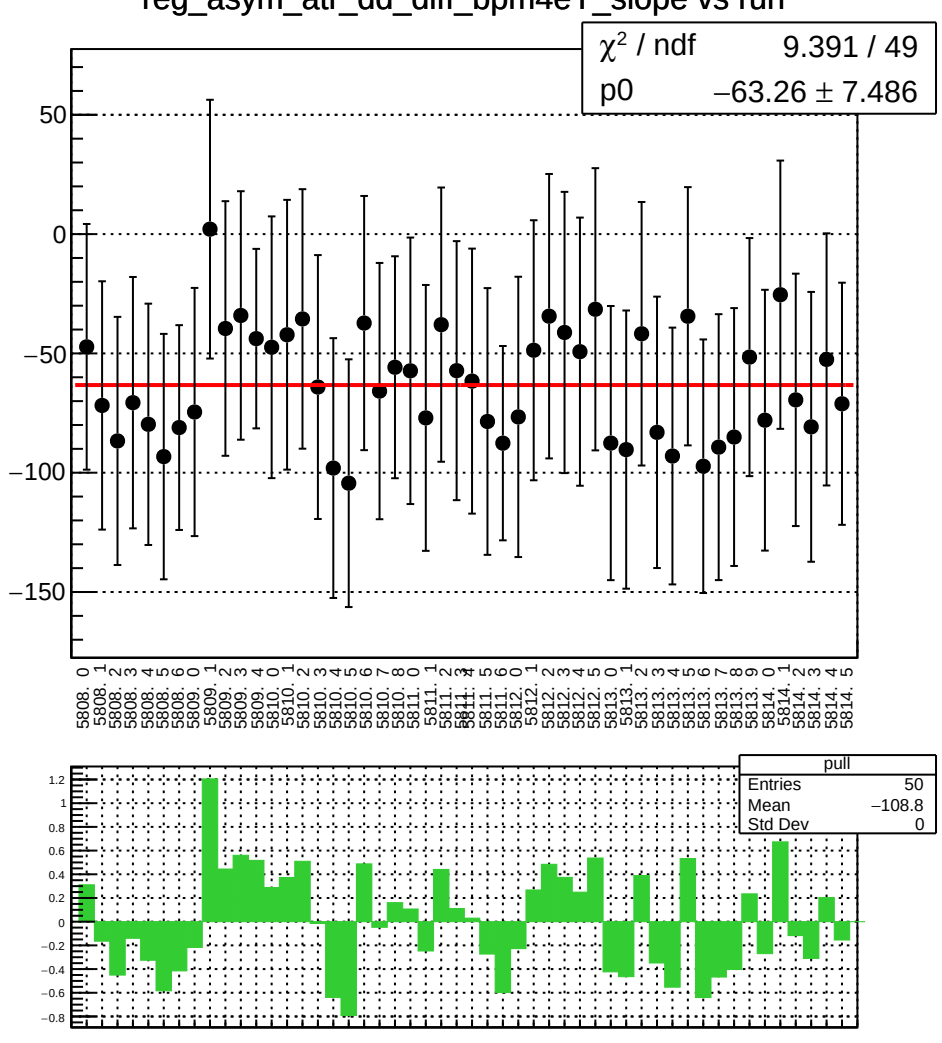

pull1D
Entries 50
Mean −0.006384
Std Dev 0.539

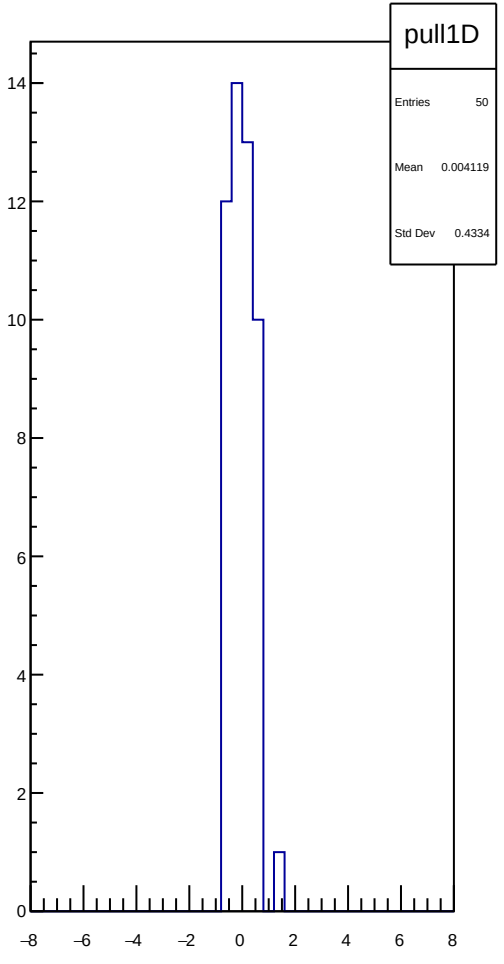

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 8.303 / 49
p0 212.8 ± 4.286
pull
Entries 50
Mean 394.1
Std Dev 0
pull1D
Entries 50
Mean 0.006082
Std Dev 0.4075

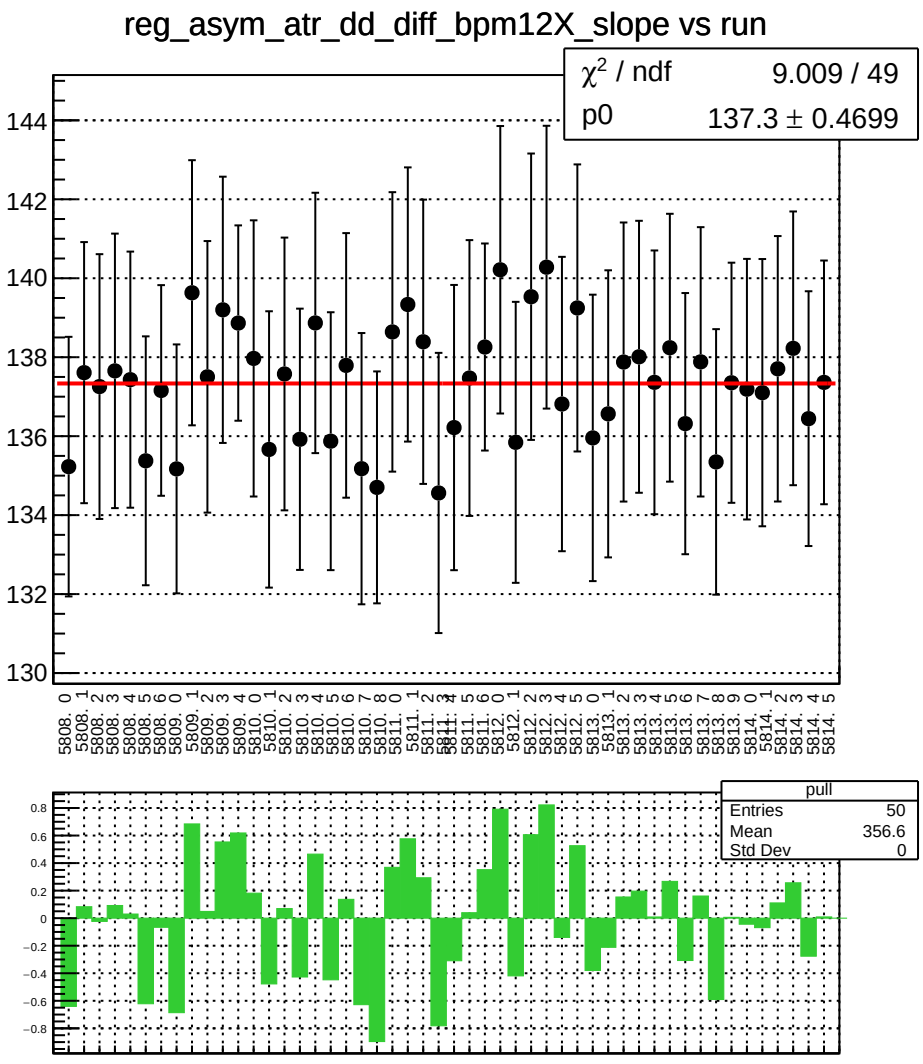

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.369 / 49
p0 −11.18 ± 6.836
pull
Entries 50
Mean −225.1
Std Dev 0

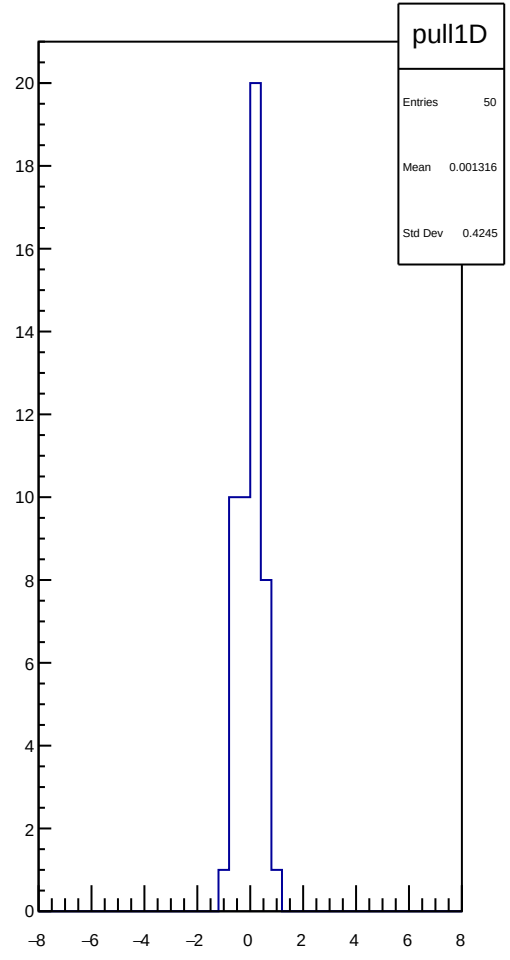

pull1D
Entries 50
Mean −0.003735
Std Dev 0.4328

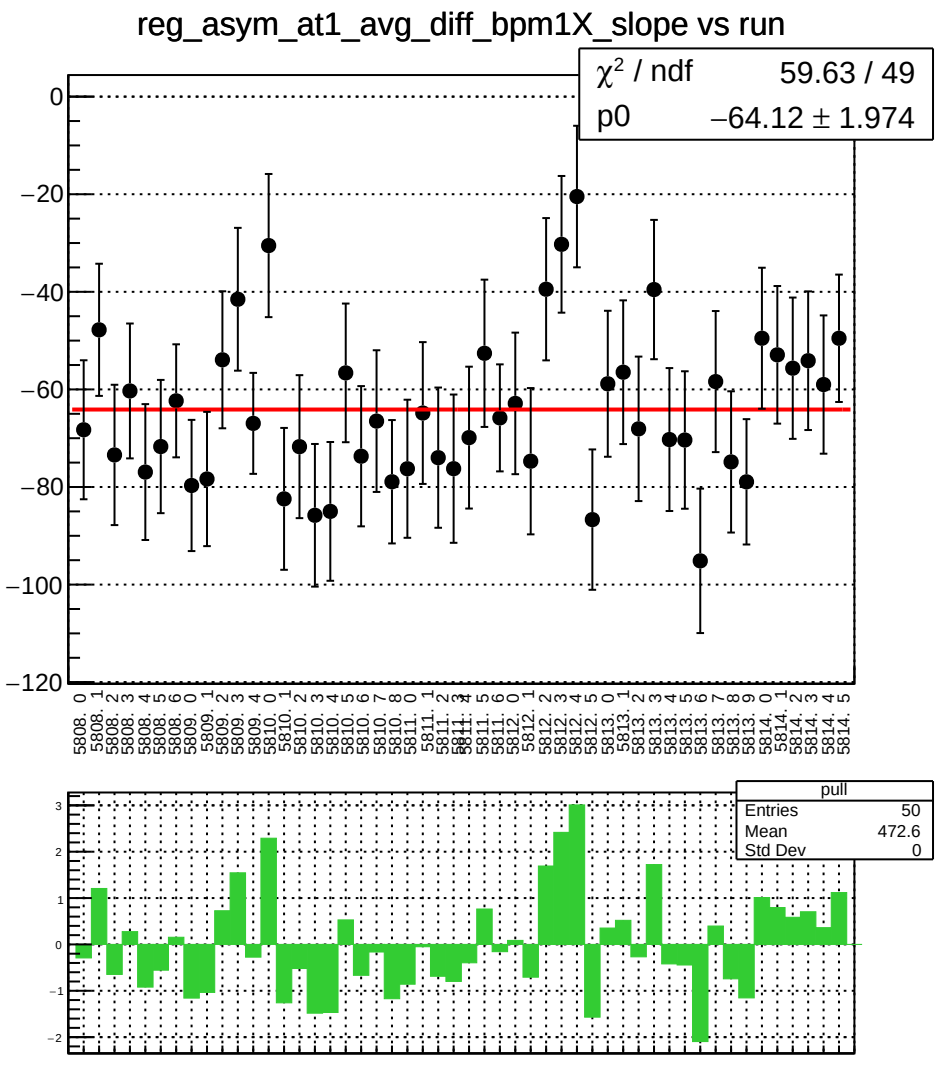

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.78 / 49
p0 −406.7 ± 6.139
pull
Entries 50
Mean 969.4
Std Dev 0
pull1D
Entries 50
Mean −0.001002
Std Dev 0.3945

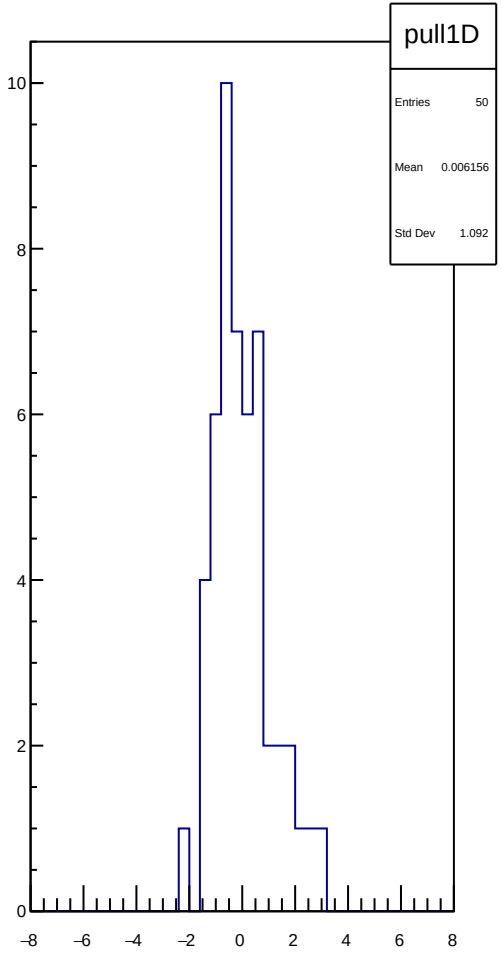

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.391 / 49
p0 −63.26 ± 7.486
pull
Entries 50
Mean −108.8
Std Dev 0

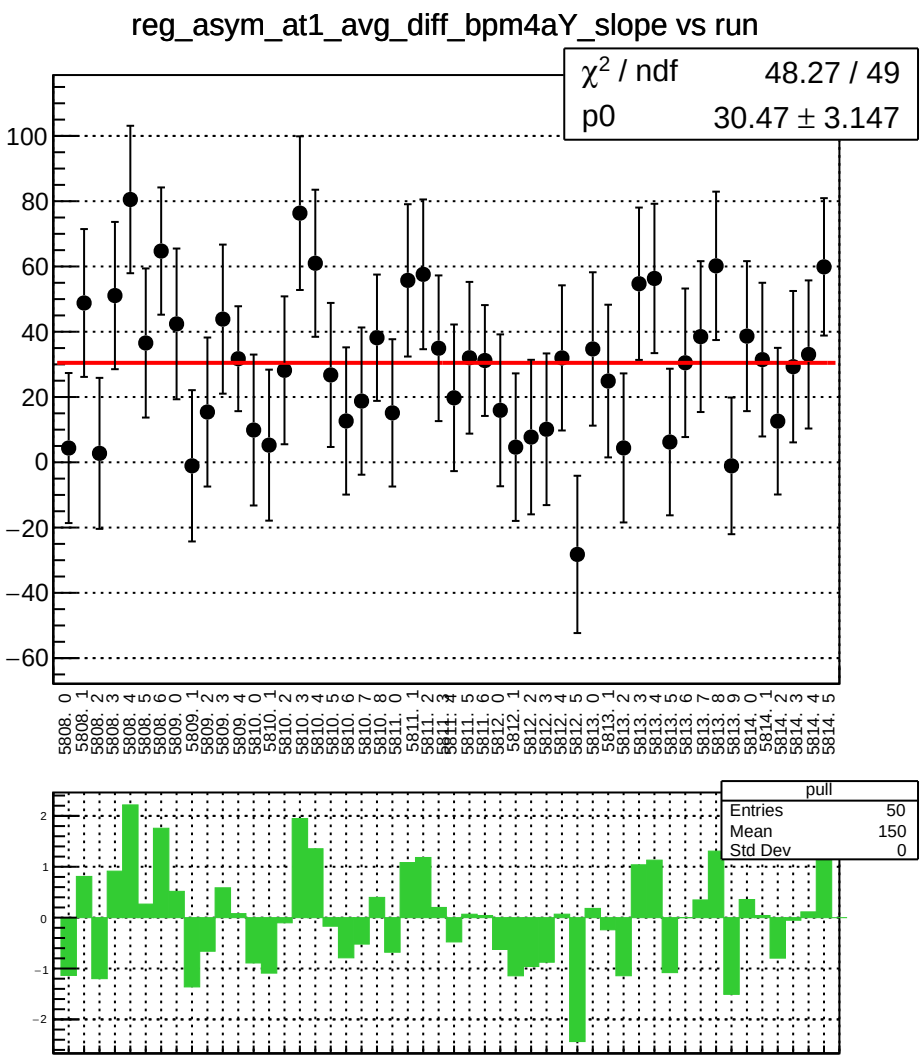

pull1D
Entries 50
Mean 0.004119
Std Dev 0.4334

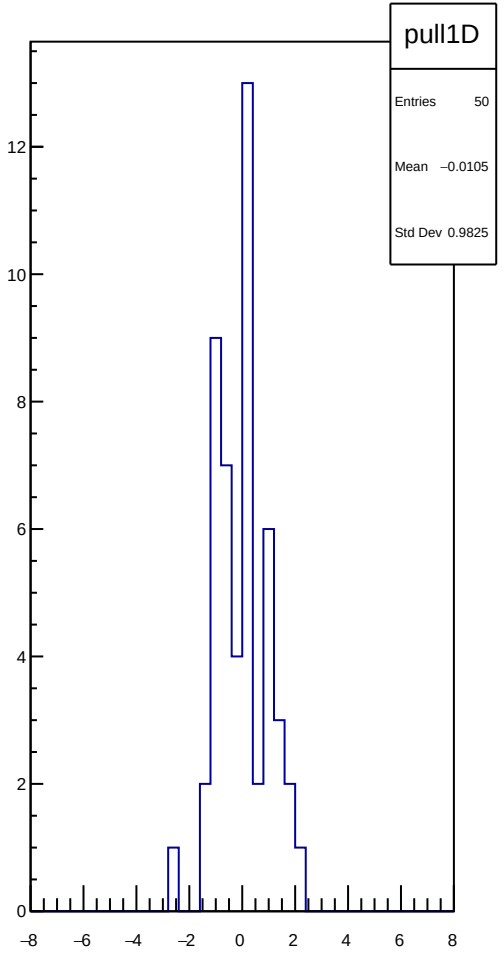

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ^2 / ndf 9.009 / 49
p0 137.3 ± 0.4699
pull
Entries 50
Mean 356.6
Std Dev 0

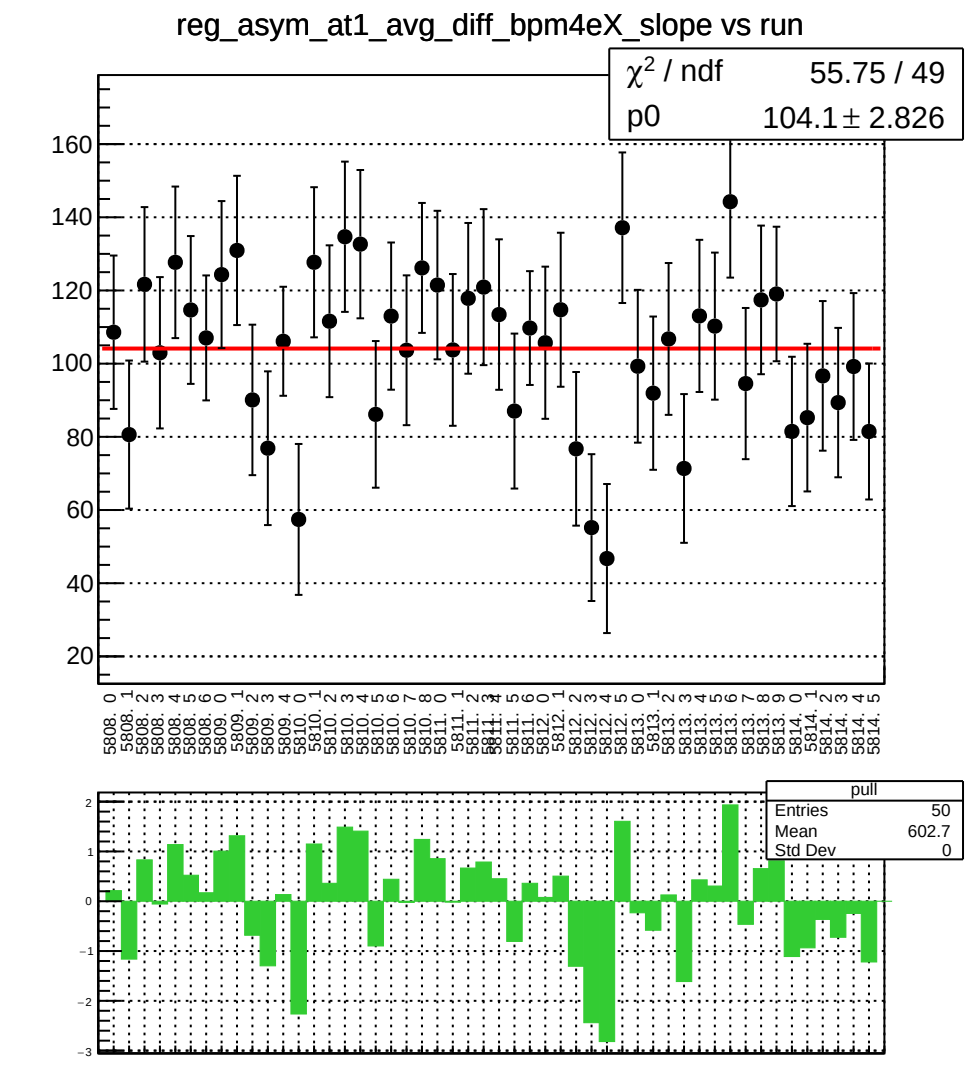

pull1D
Entries 50
Mean 0.001316
Std Dev 0.4245

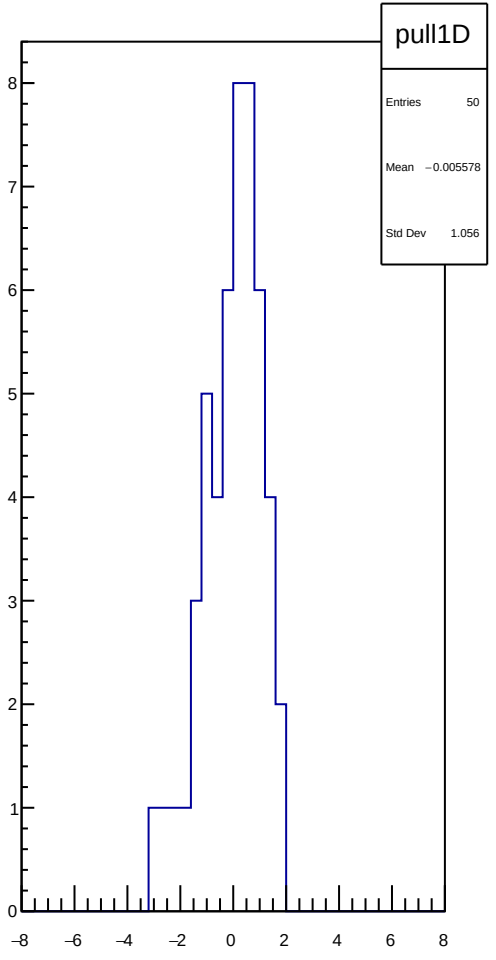

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 59.63 / 49
p0 −64.12 ± 1.974
pull
Entries 50
Mean 472.6
Std Dev 0

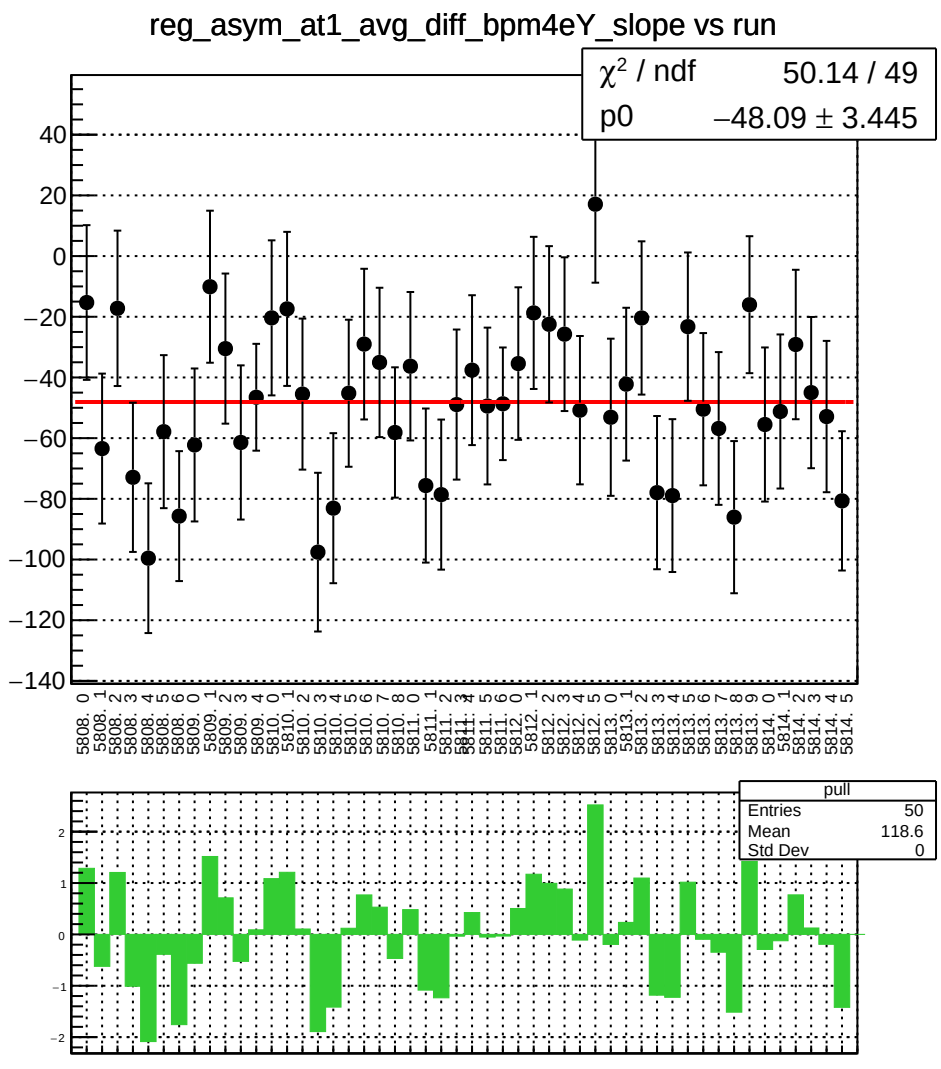

pull1D
Entries 50
Mean 0.006156
Std Dev 1.092

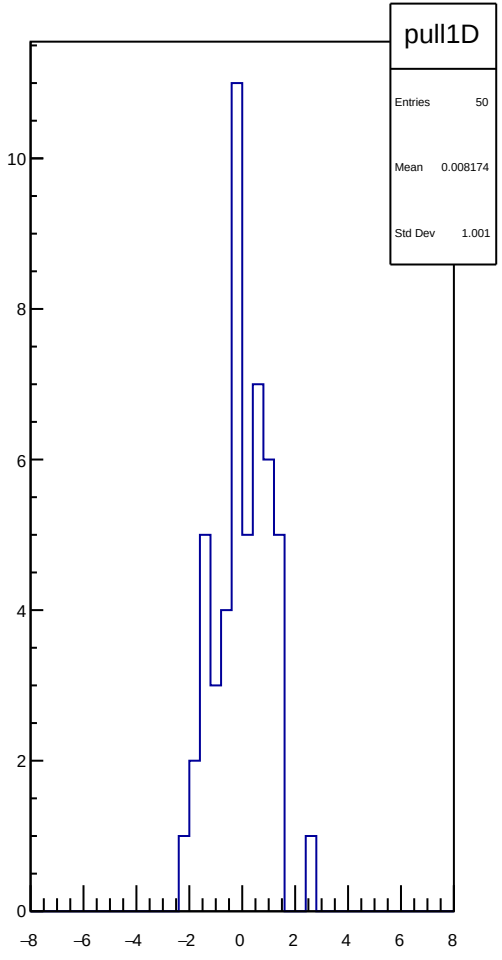

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 48.27 / 49
p0 30.47 ± 3.147
pull
Entries 50
Mean 150
Std Dev 0

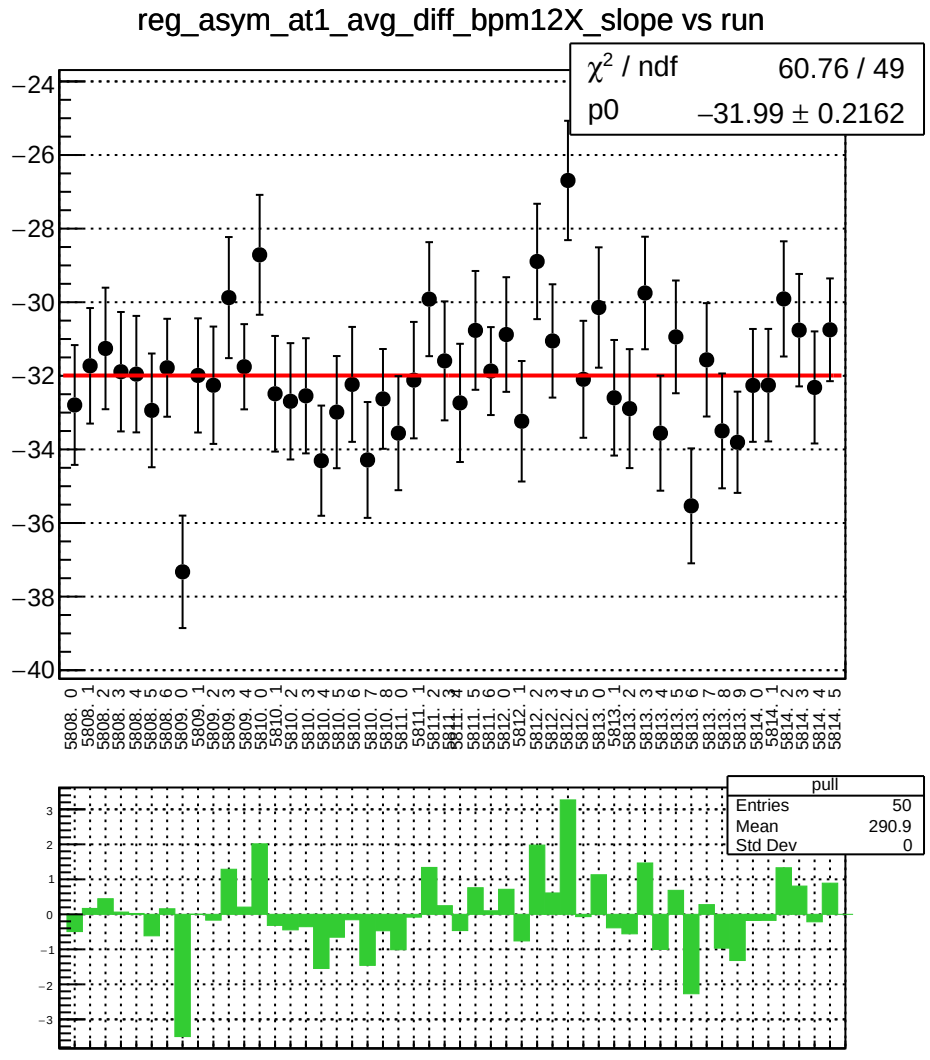

pull1D
Entries 50
Mean −0.0105
Std Dev 0.9825

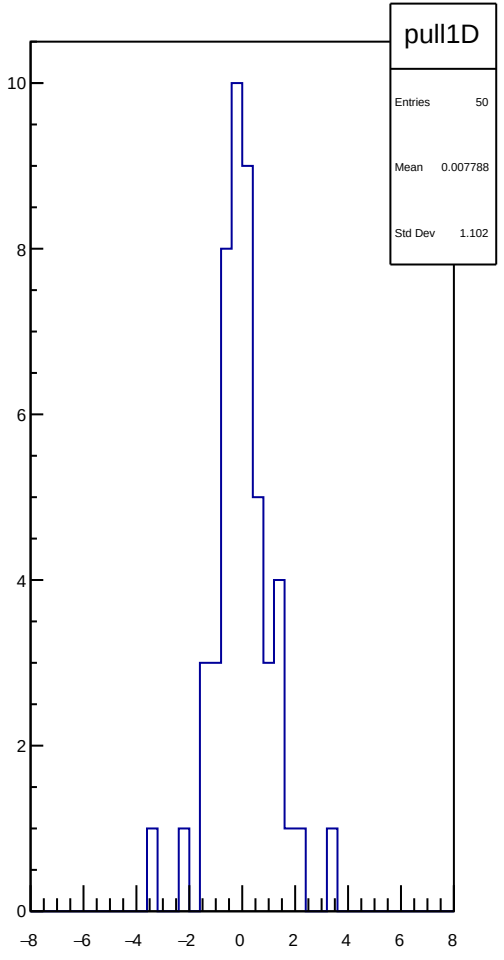

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 55.75 / 49
p0 104.1 ± 2.826
pull
Entries 50
Mean 602.7
Std Dev 0

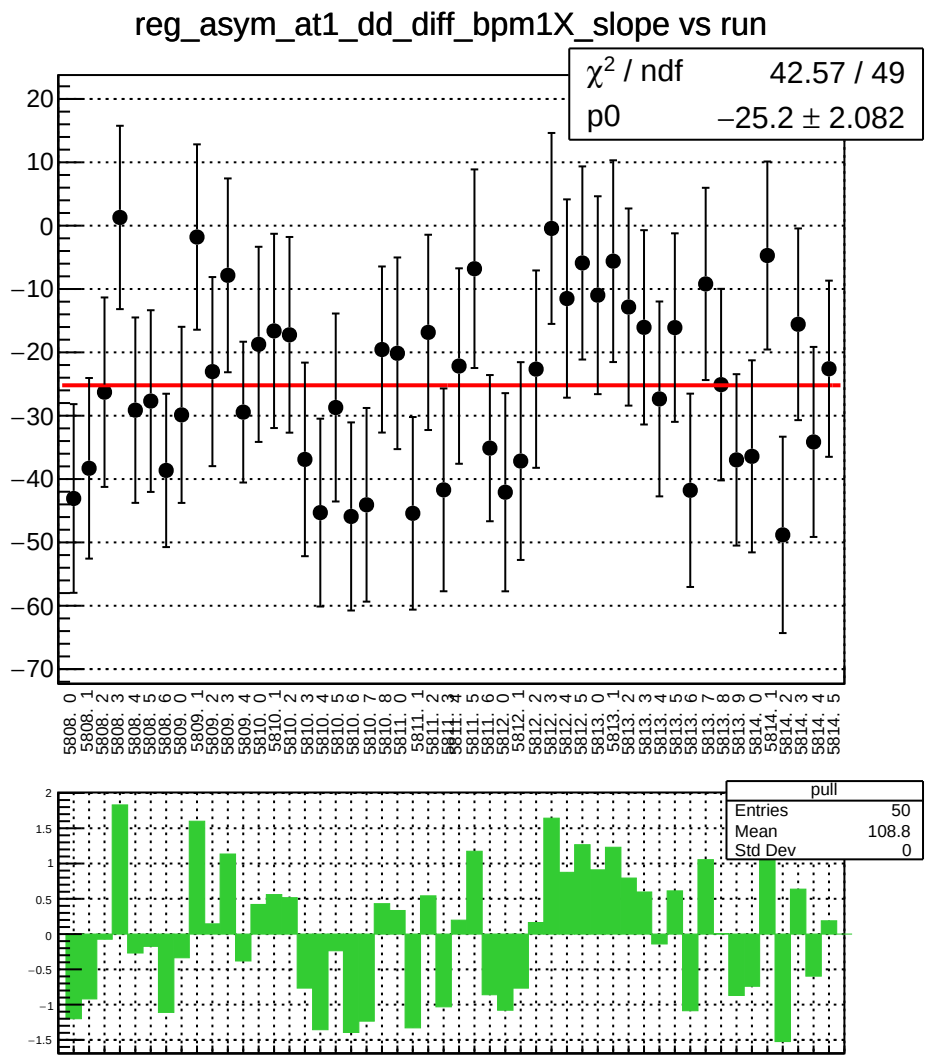

pull1D
Entries 50
Mean −0.005578
Std Dev 1.056

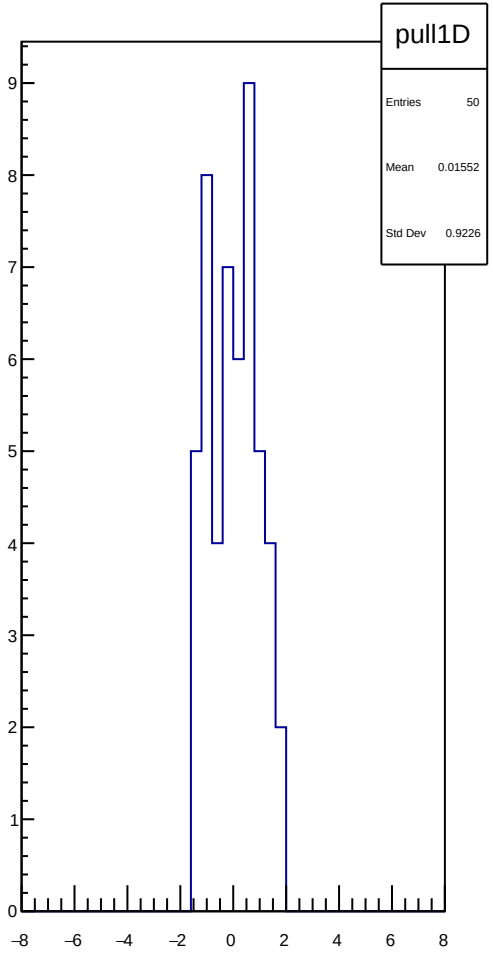

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.14 / 49
p0 −48.09 ± 3.445
pull
Entries 50
Mean 118.6
Std Dev 0

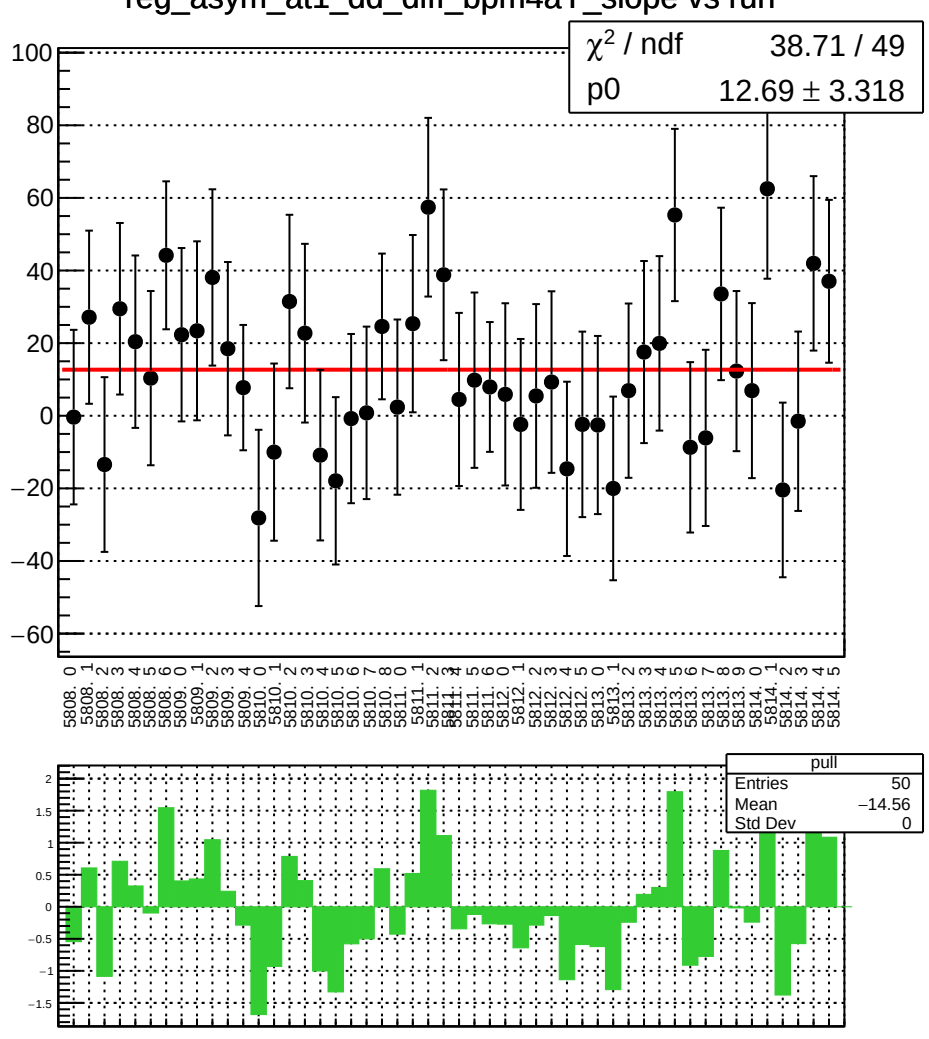

pull1D
Entries 50
Mean 0.008174
Std Dev 1.001

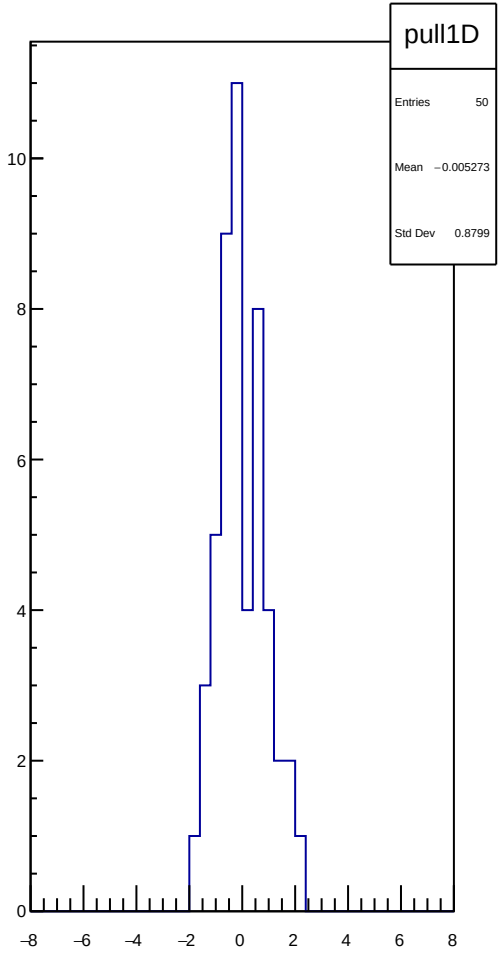

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 60.76 / 49
p0 −31.99 ± 0.2162
pull
Entries 50
Mean 290.9
Std Dev 0

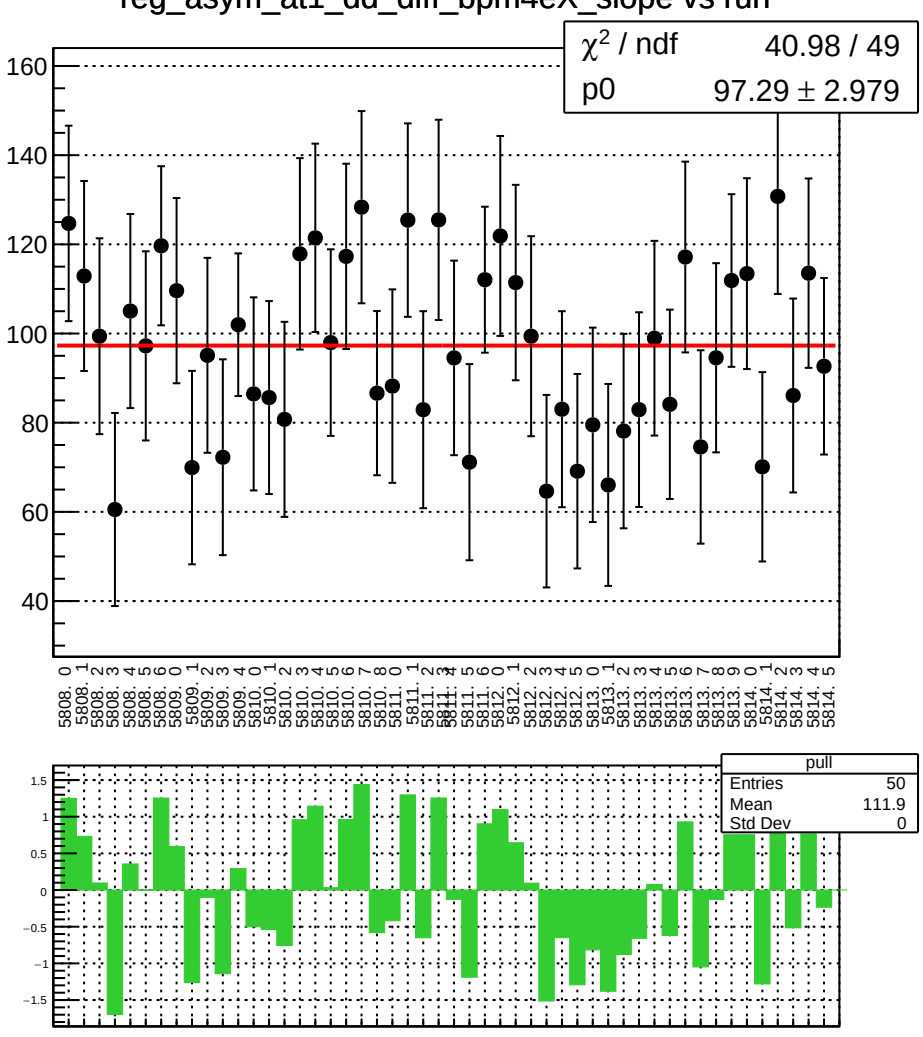

pull1D
Entries 50
Mean 0.007788
Std Dev 1.102

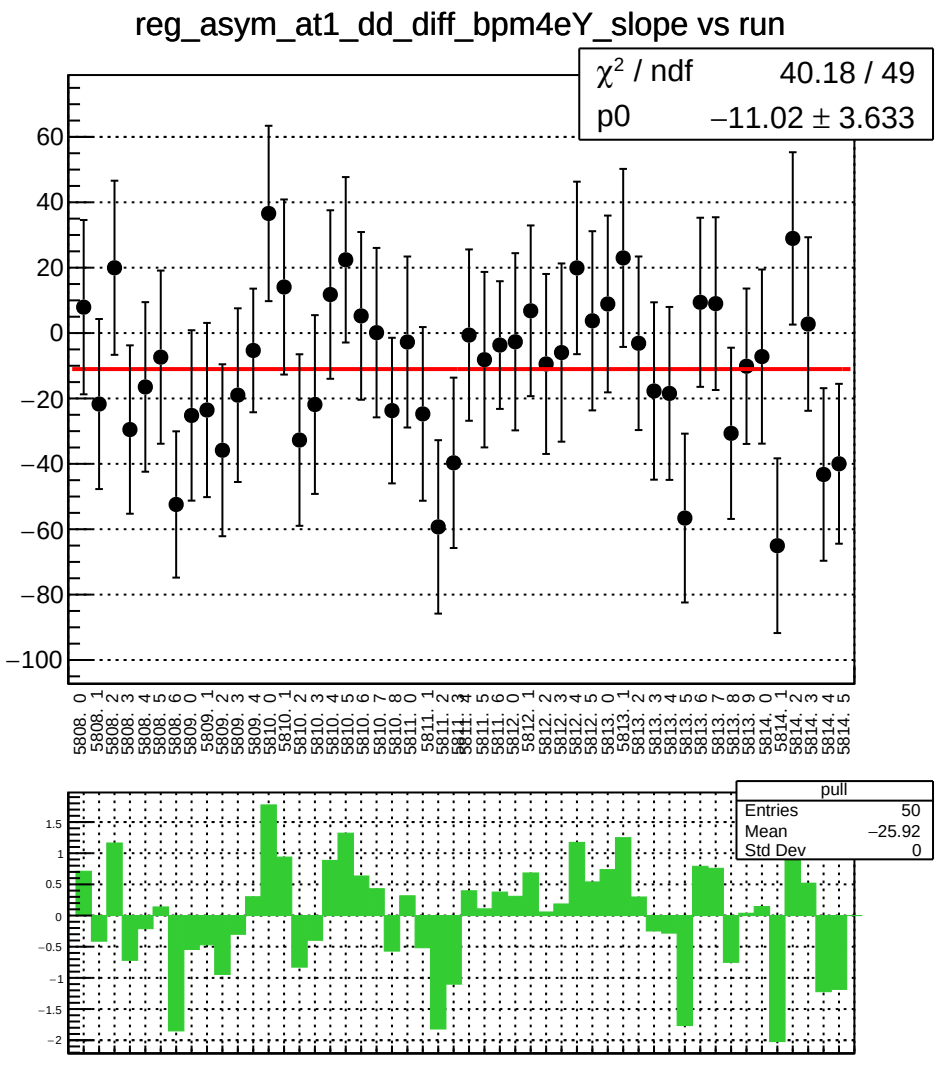

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 42.57 / 49
p0 −25.2 ± 2.082
pull
Entries 50
Mean 108.8
Std Dev 0

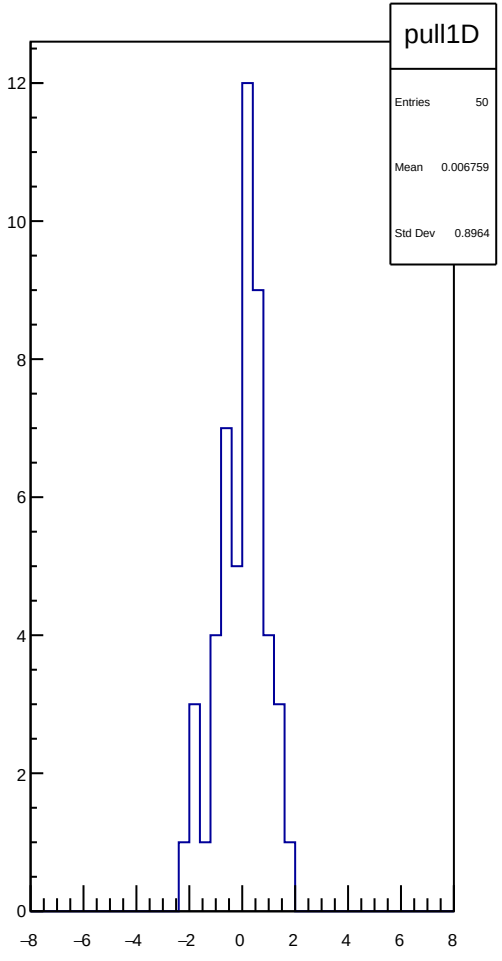

pull1D
Entries 50
Mean 0.01552
Std Dev 0.9226

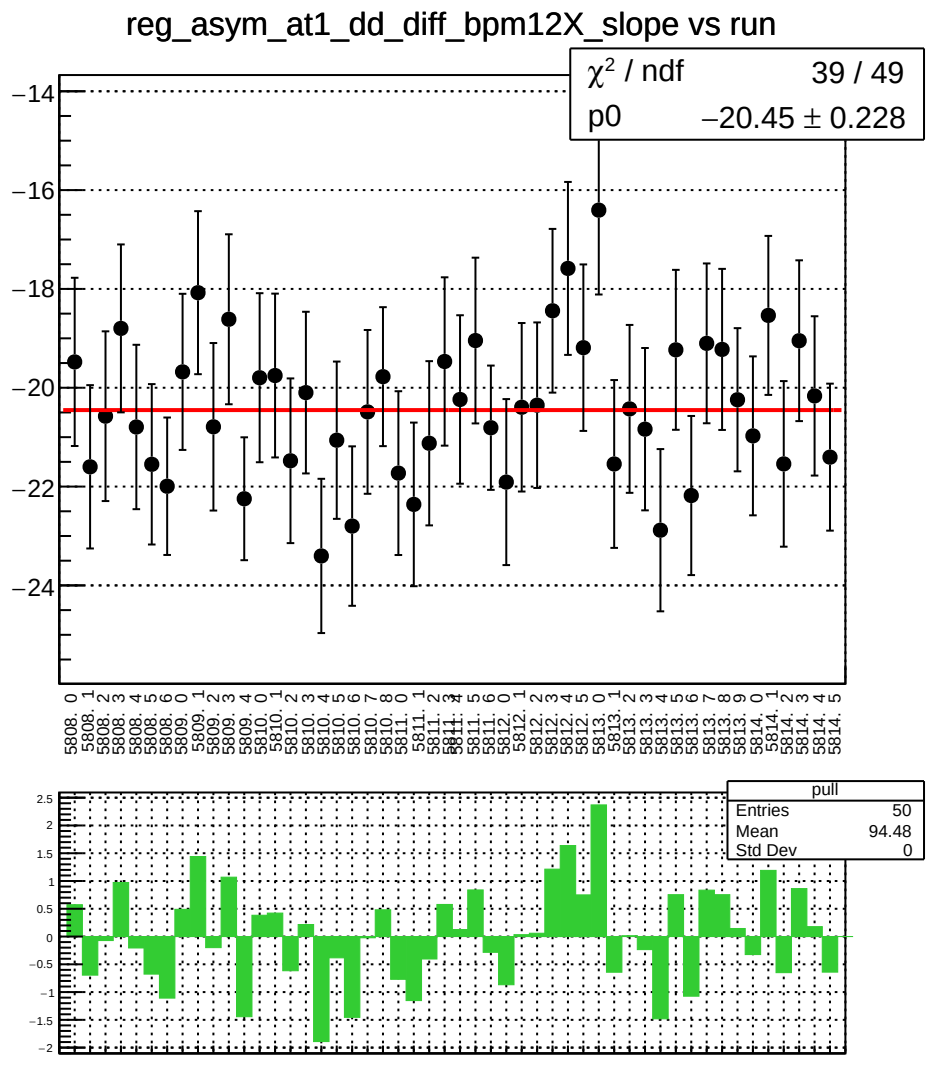

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.71 / 49
p0 12.69 ± 3.318
pull
Entries 50
Mean −14.56
Std Dev 0

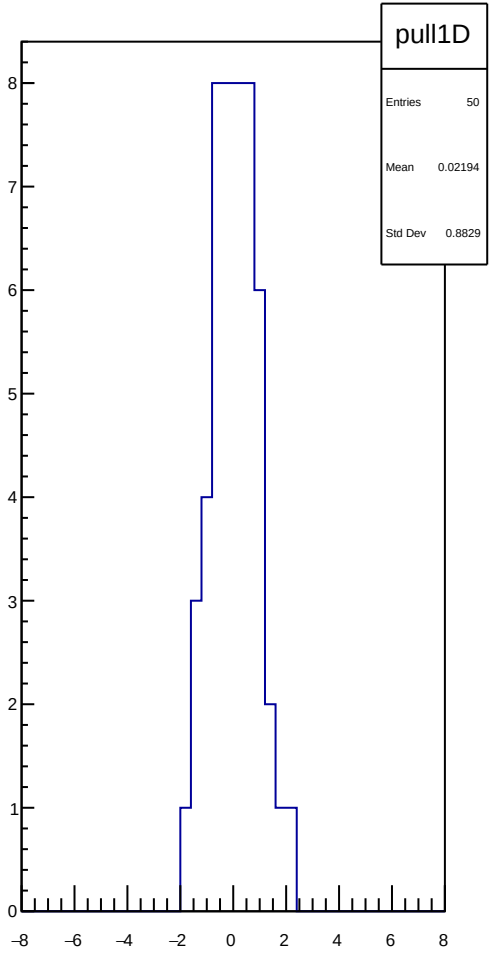

pull1D
Entries 50
Mean −0.005273
Std Dev 0.8799

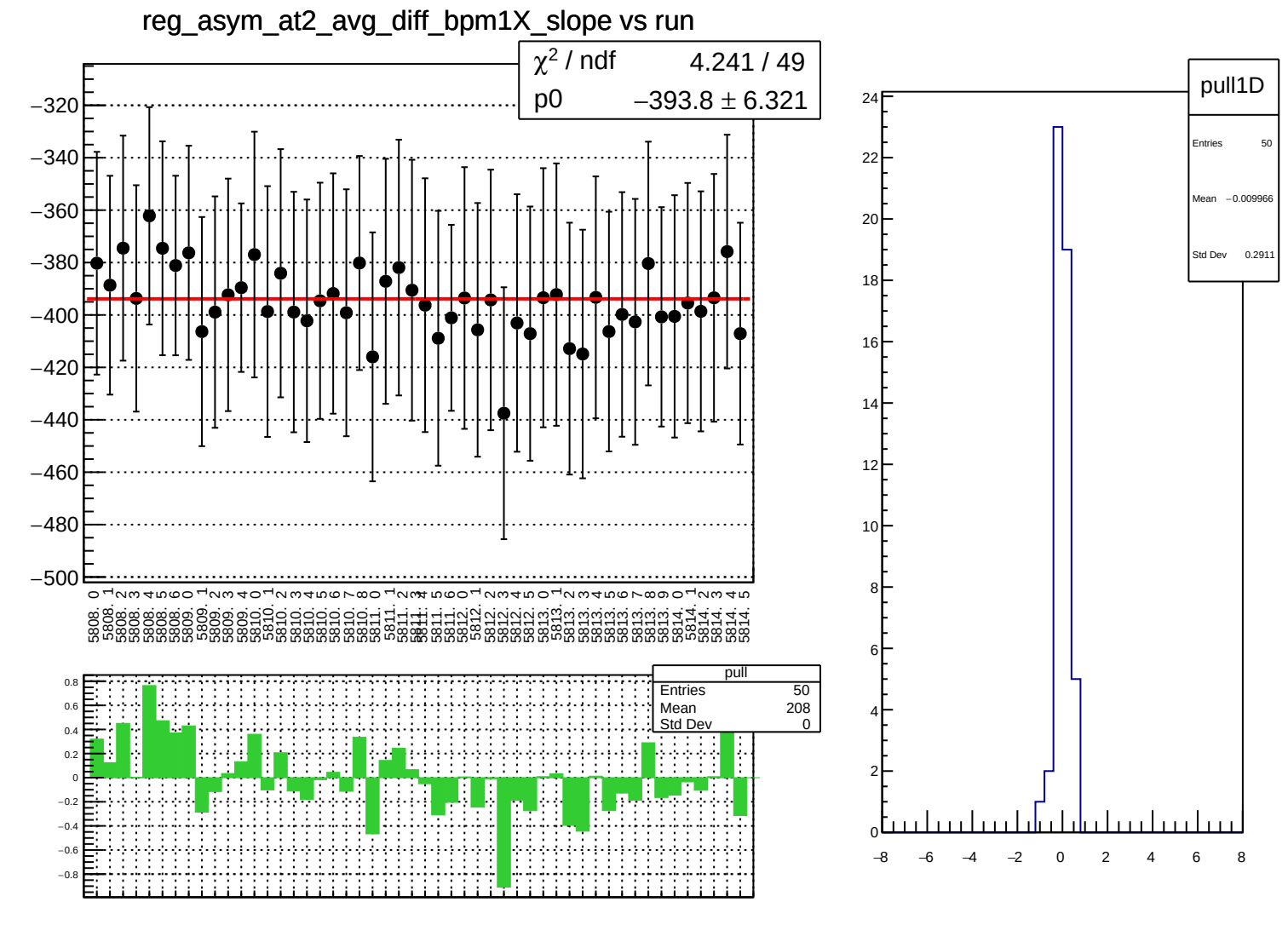

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 40.98 / 49
p0 97.29 ± 2.979
160
140
120
100
80
60
40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 111.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.01537
Std Dev 0.9052
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

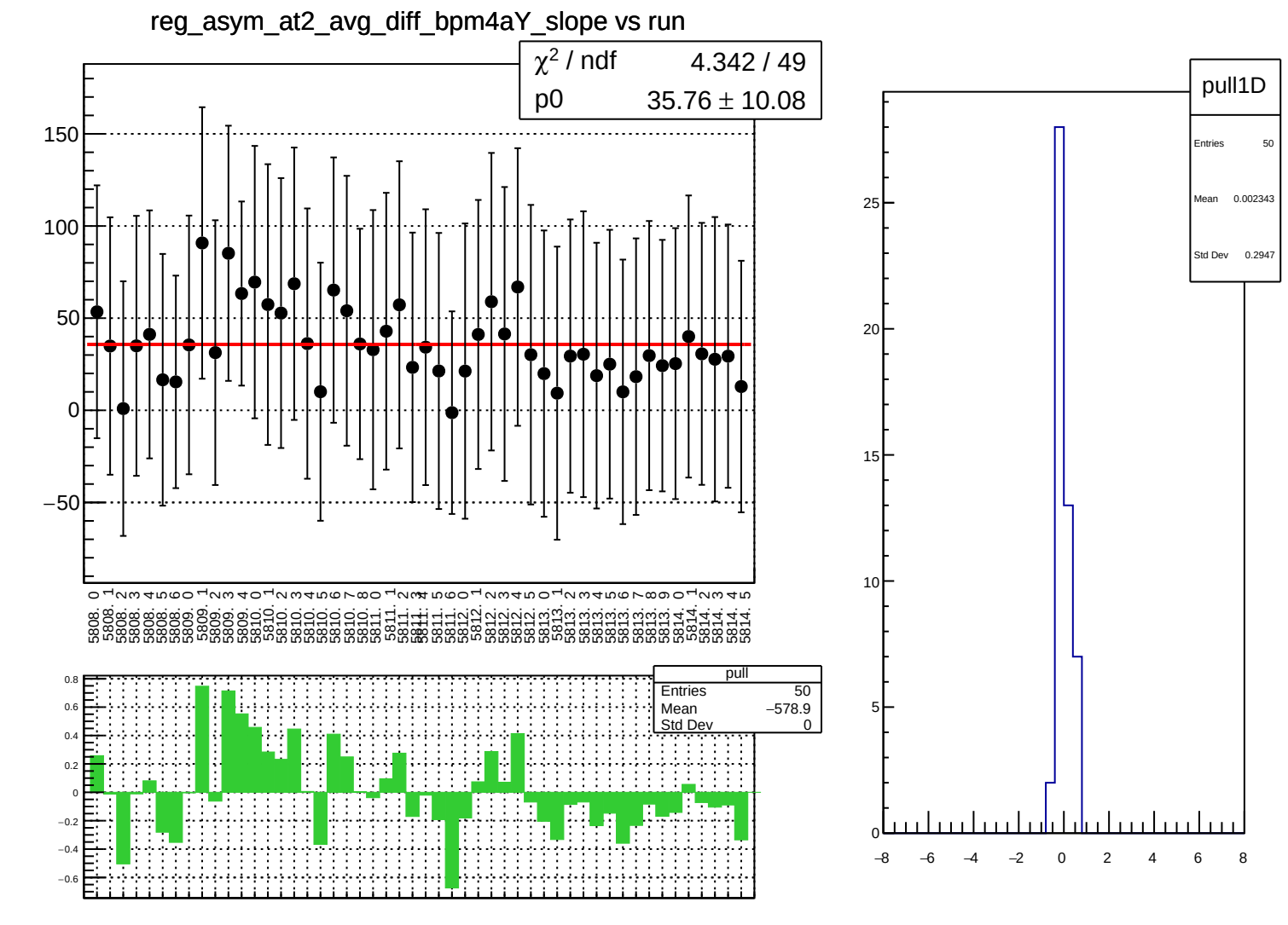

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.18 / 49
p0 −11.02 ± 3.633
pull
Entries 50
Mean −25.92
Std Dev 0

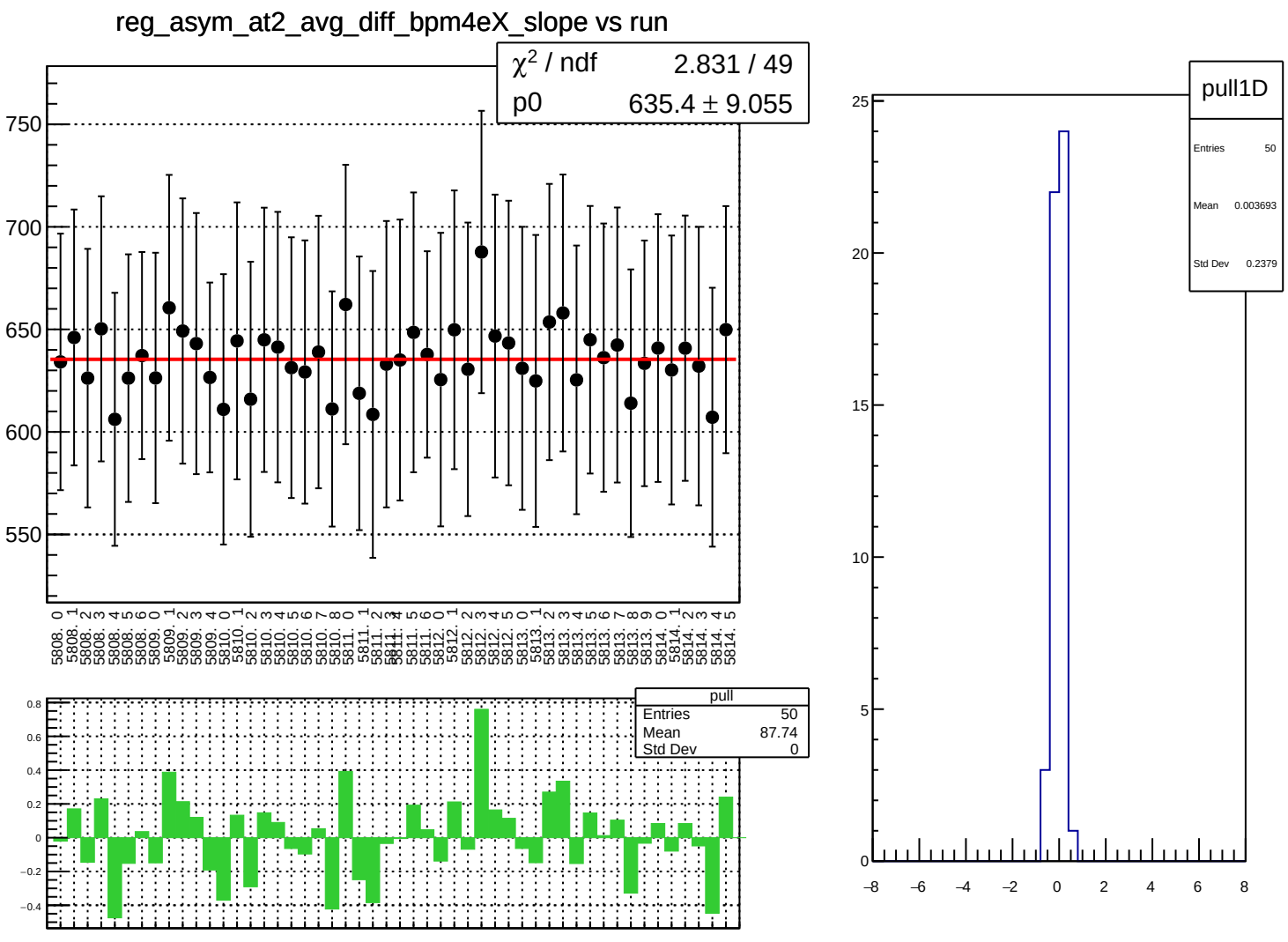

pull1D
Entries 50
Mean 0.006759
Std Dev 0.8964

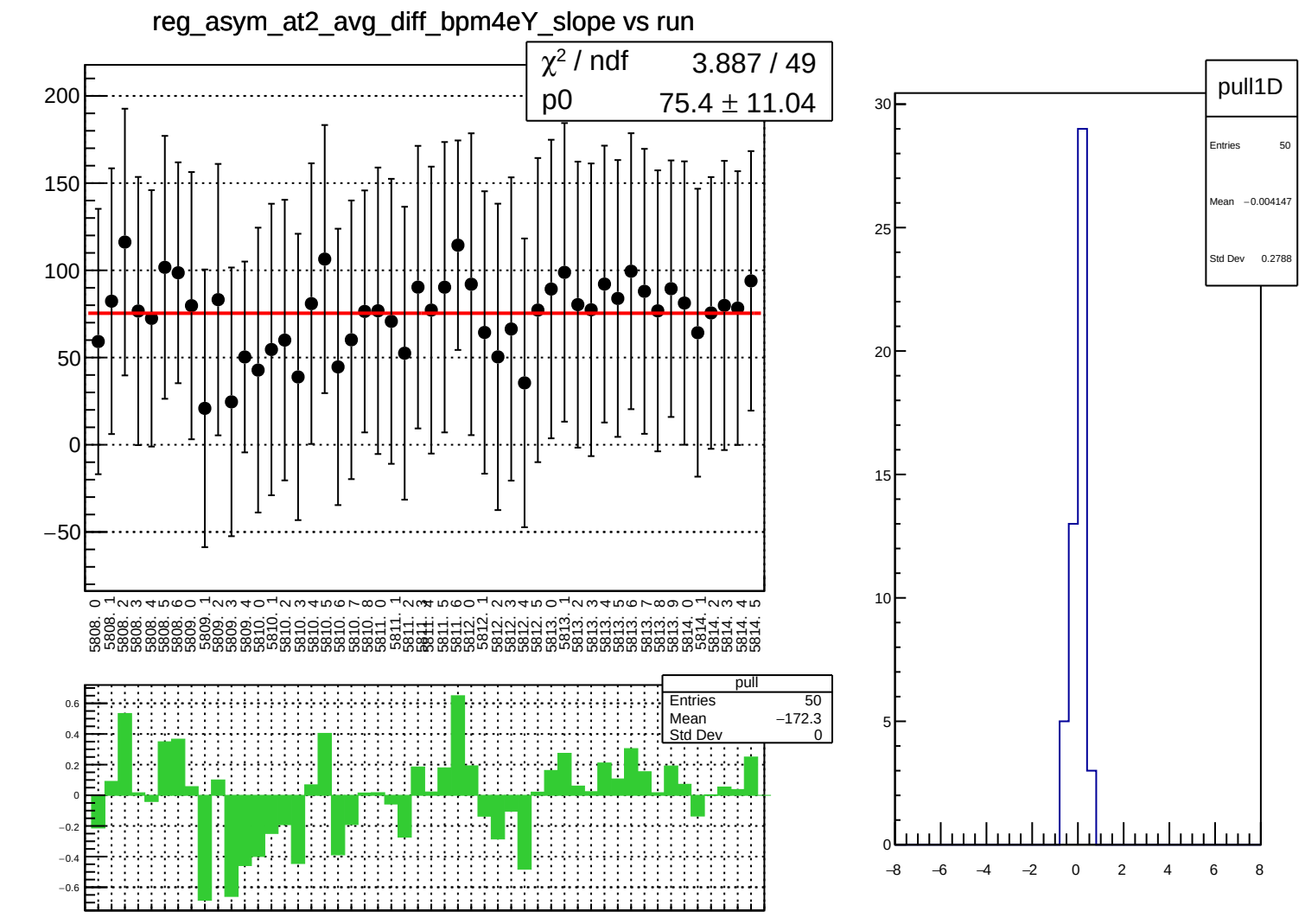

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 39 / 49
p0 −20.45 ± 0.228
pull
Entries 50
Mean 94.48
Std Dev 0

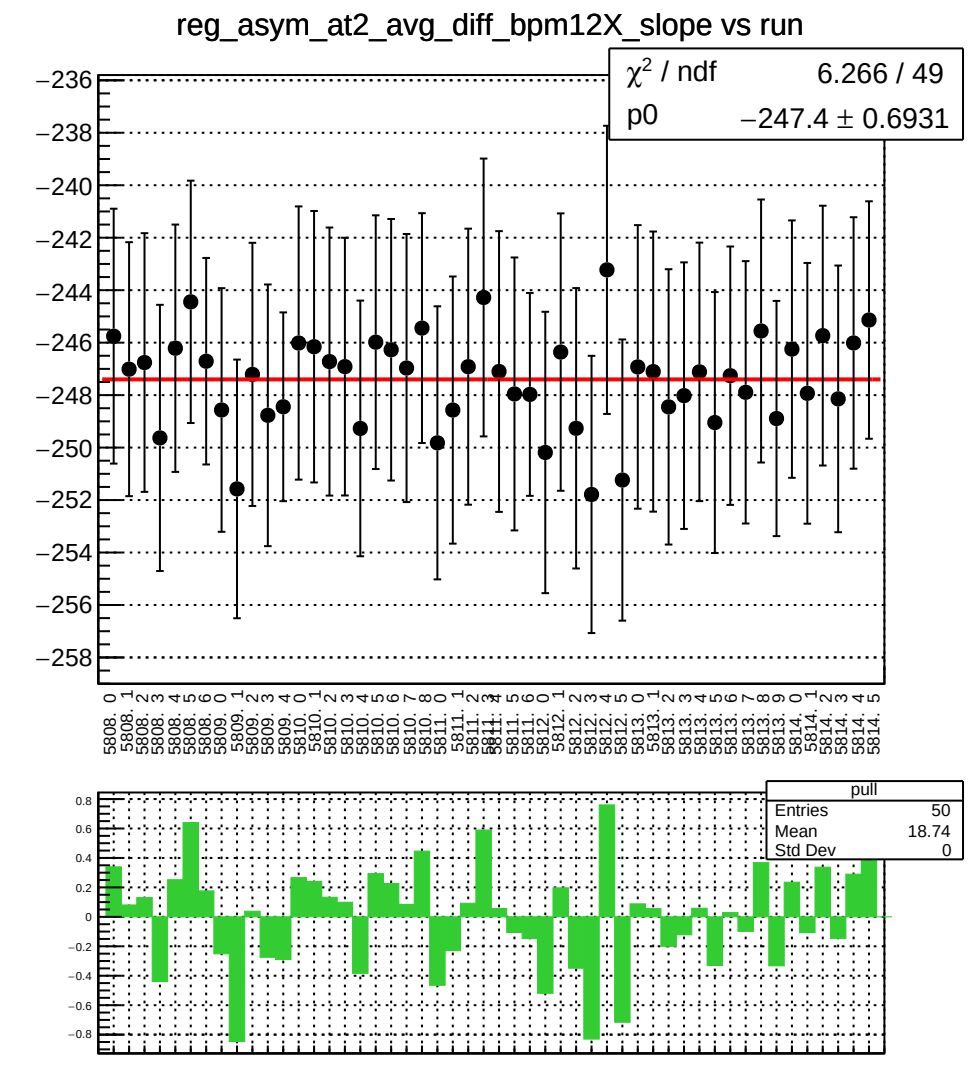

pull1D
Entries 50
Mean 0.02194
Std Dev 0.8829

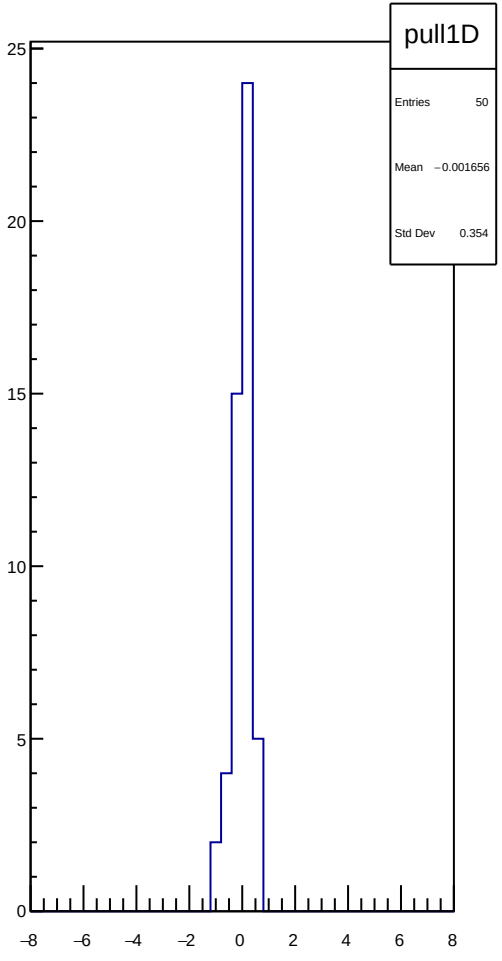

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 4.241 / 49
p0 −393.8 ± 6.321
pull
Entries 50
Mean 208
Std Dev 0
pull1D
Entries 50
Mean −0.009966
Std Dev 0.2911

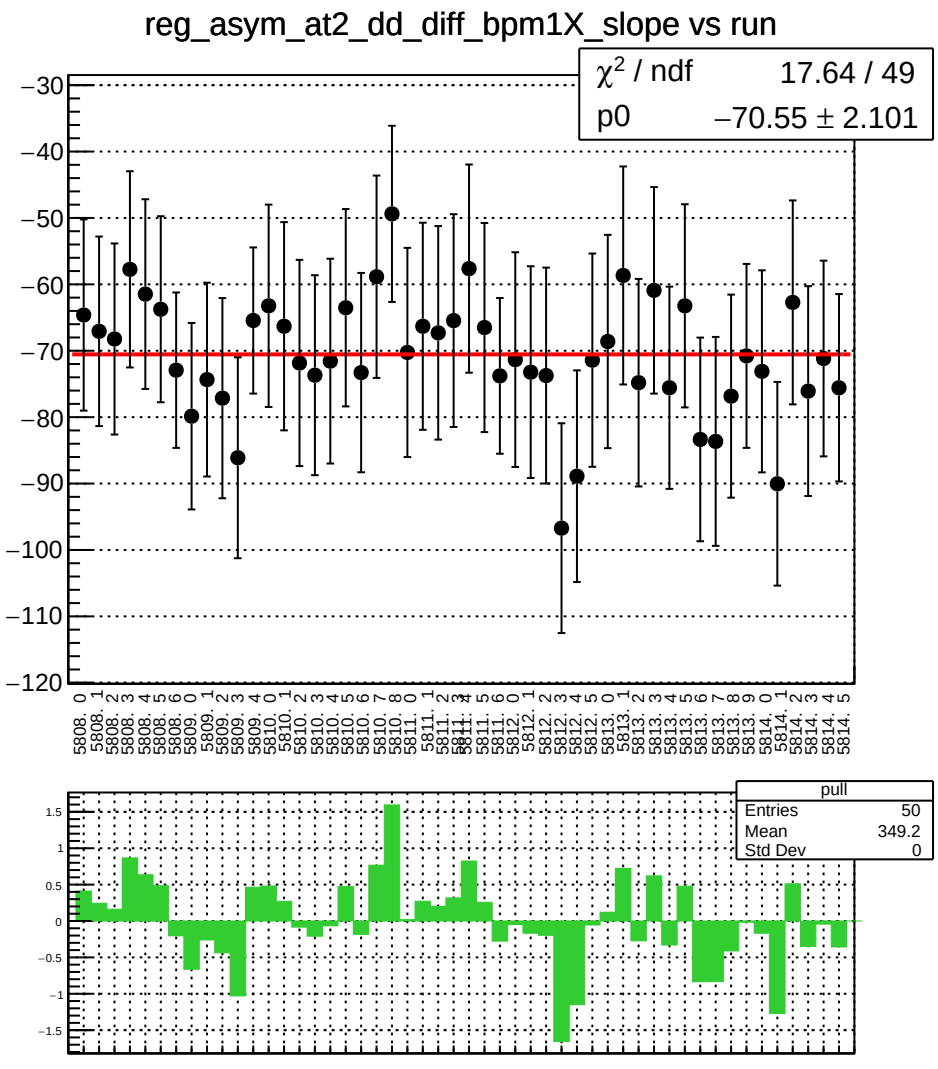

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.342 / 49
p0 35.76 ± 10.08
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −578.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean 0.002343
Std Dev 0.2947
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

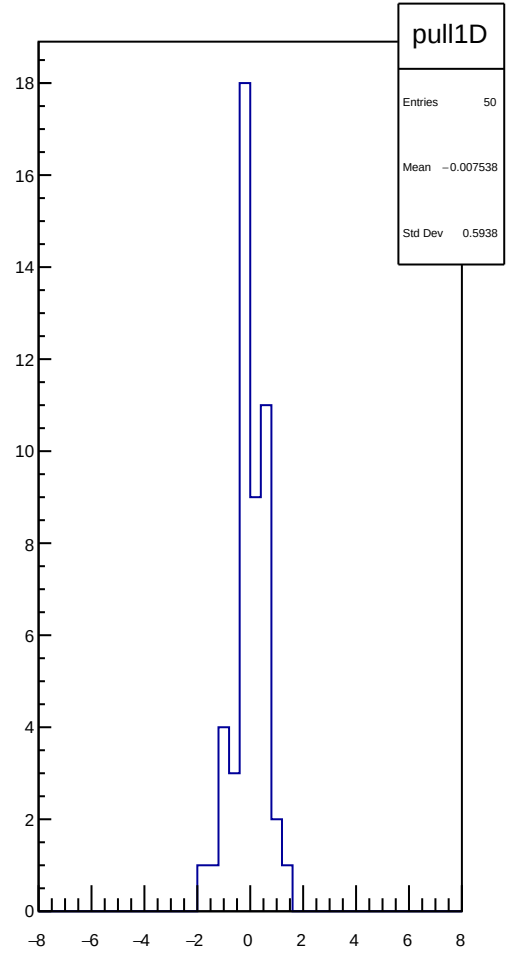

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 2.831 / 49
p0 635.4 ± 9.055
750
700
650
600
550
pull
Entries 50
Mean 87.74
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 50
Mean 0.003693
Std Dev 0.2379
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

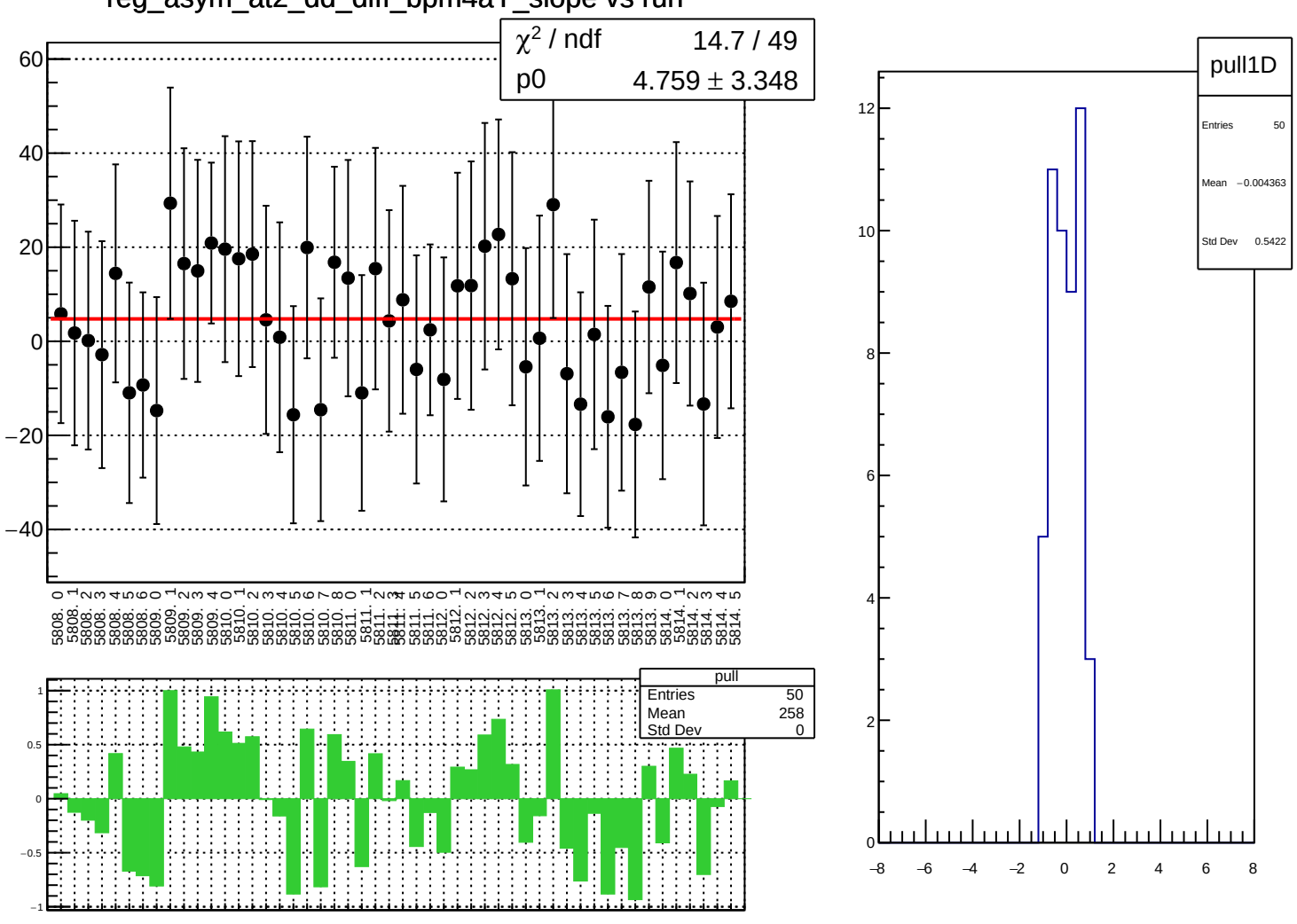

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.887 / 49
p0 75.4 ± 11.04
200
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −172.3
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean −0.004147
Std Dev 0.2788
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

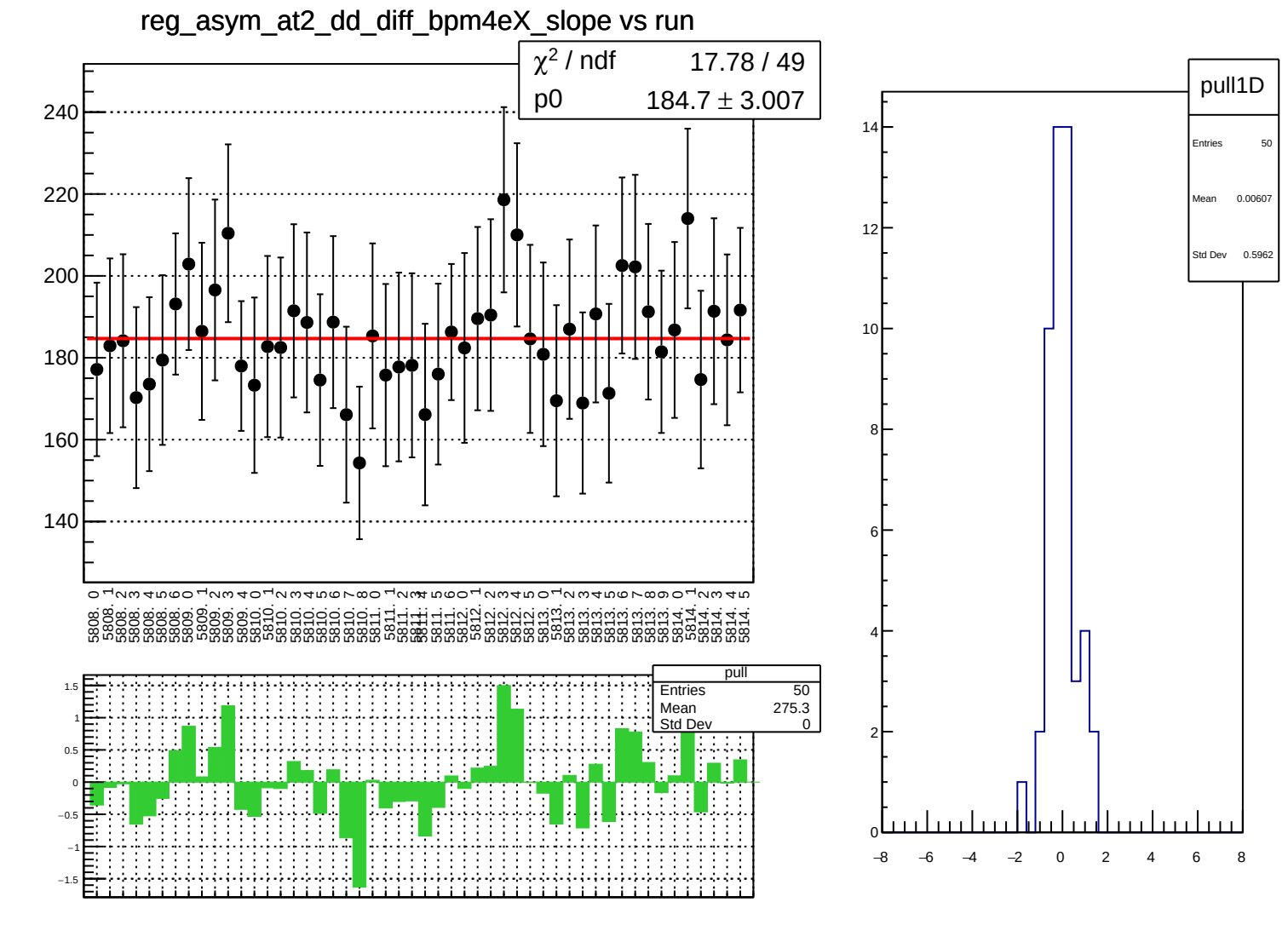

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 6.266 / 49
p0 −247.4 ± 0.6931
pull
Entries 50
Mean 18.74
Std Dev 0

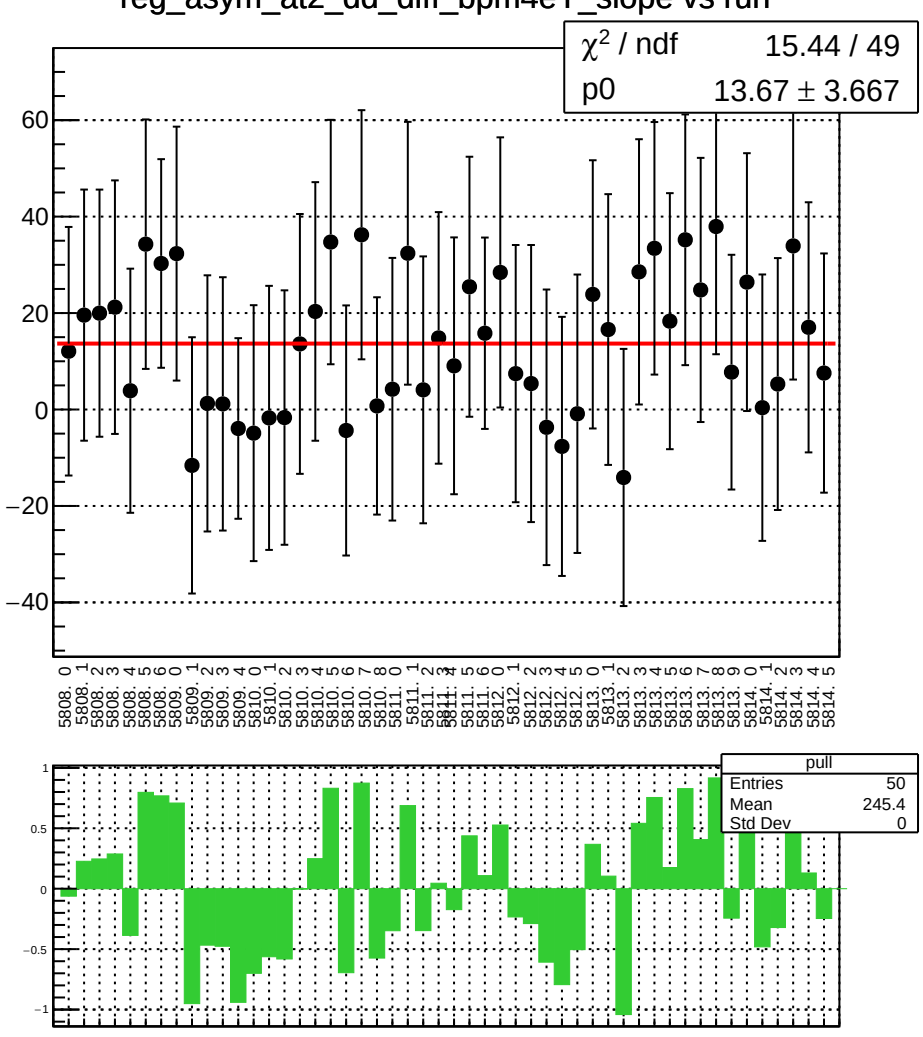

pull1D
Entries 50
Mean −0.001656
Std Dev 0.354

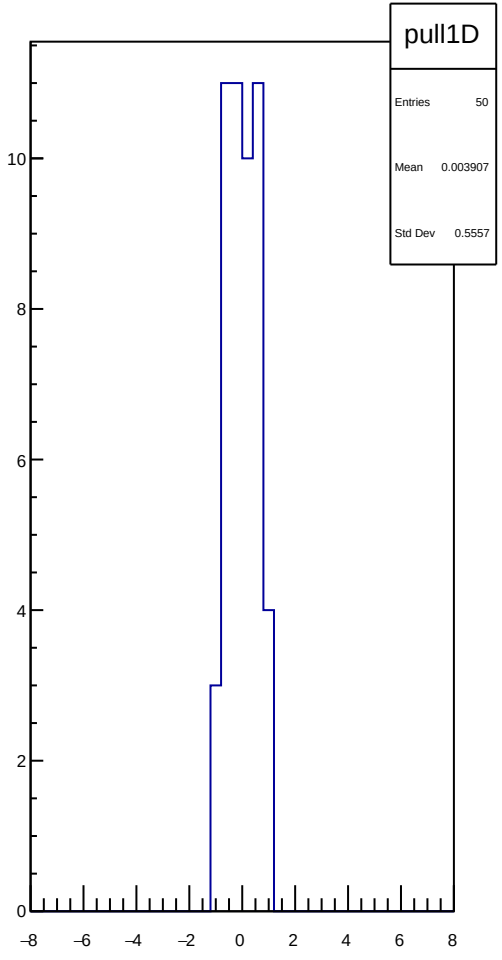

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 17.64 / 49
p0 −70.55 ± 2.101
pull
Entries 50
Mean 349.2
Std Dev 0

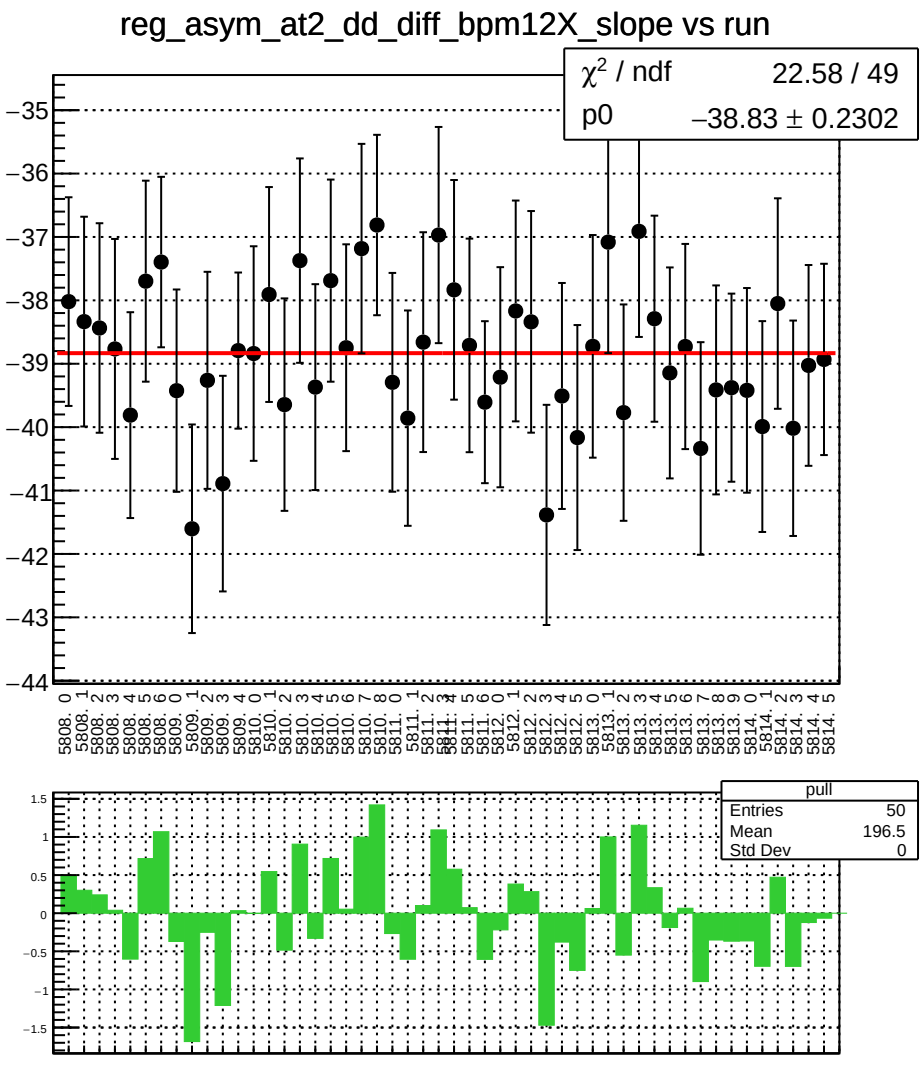

pull1D
Entries 50
Mean −0.007538
Std Dev 0.5938

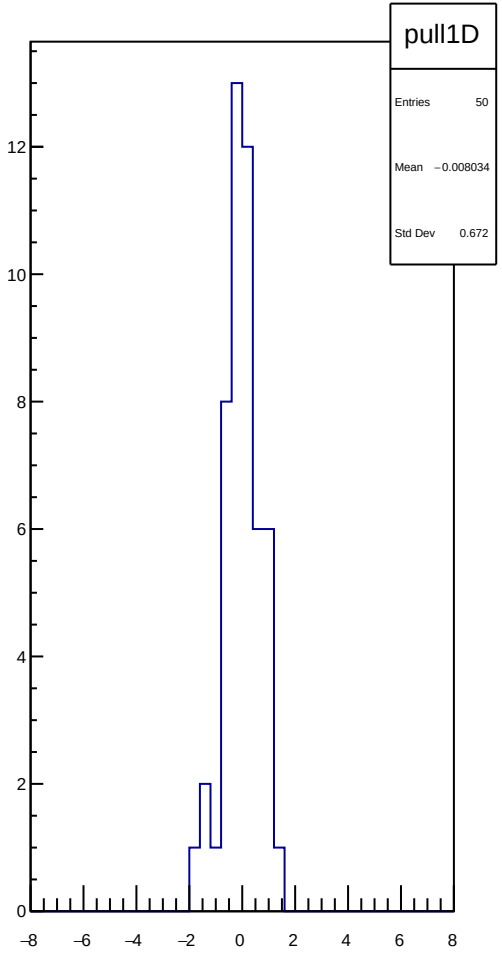

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 14.7 / 49
p0 4.759 ± 3.348
pull
Entries 50
Mean 258
Std Dev 0
pull1D
Entries 50
Mean −0.004363
Std Dev 0.5422

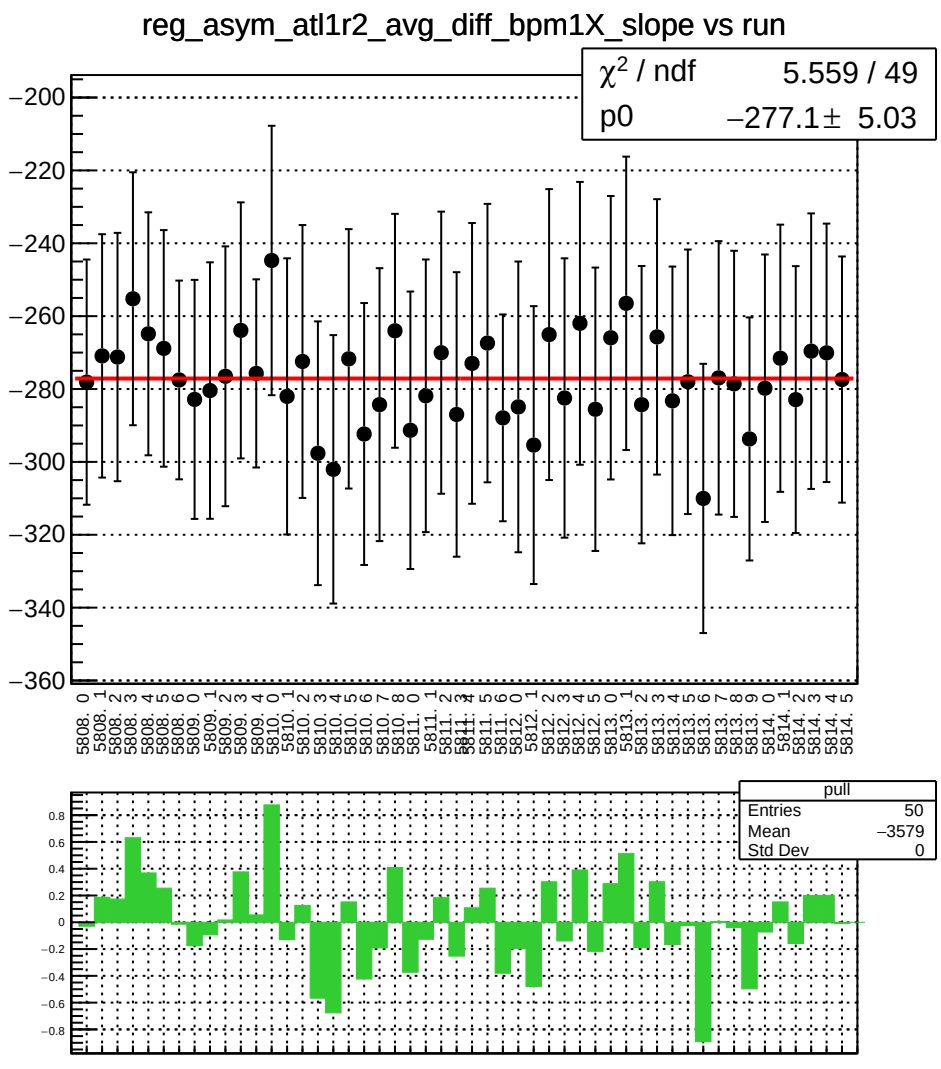

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 17.78 / 49
p0 184.7 ± 3.007
240
220
200
180
160
140
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 275.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean 0.00607
Std Dev 0.5962
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

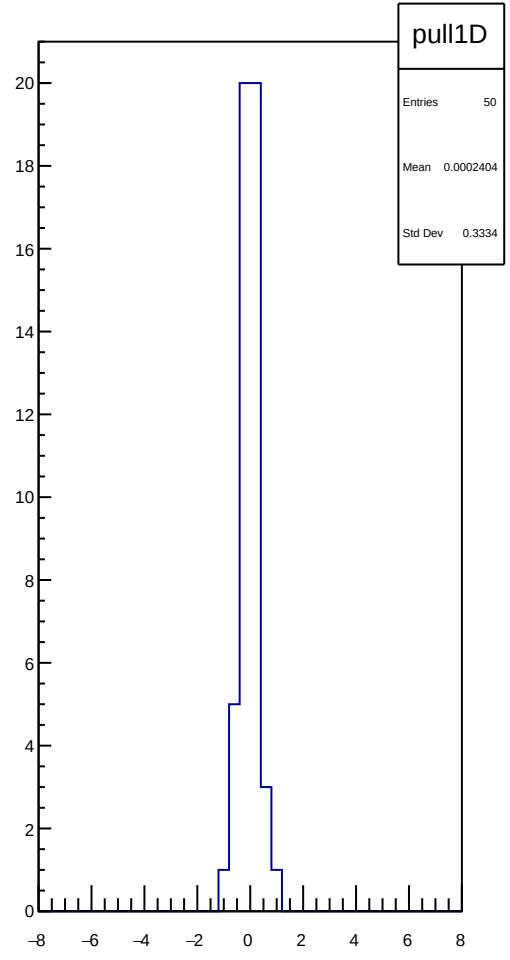

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.44 / 49
p0 13.67 ± 3.667
pull
Entries 50
Mean 245.4
Std Dev 0

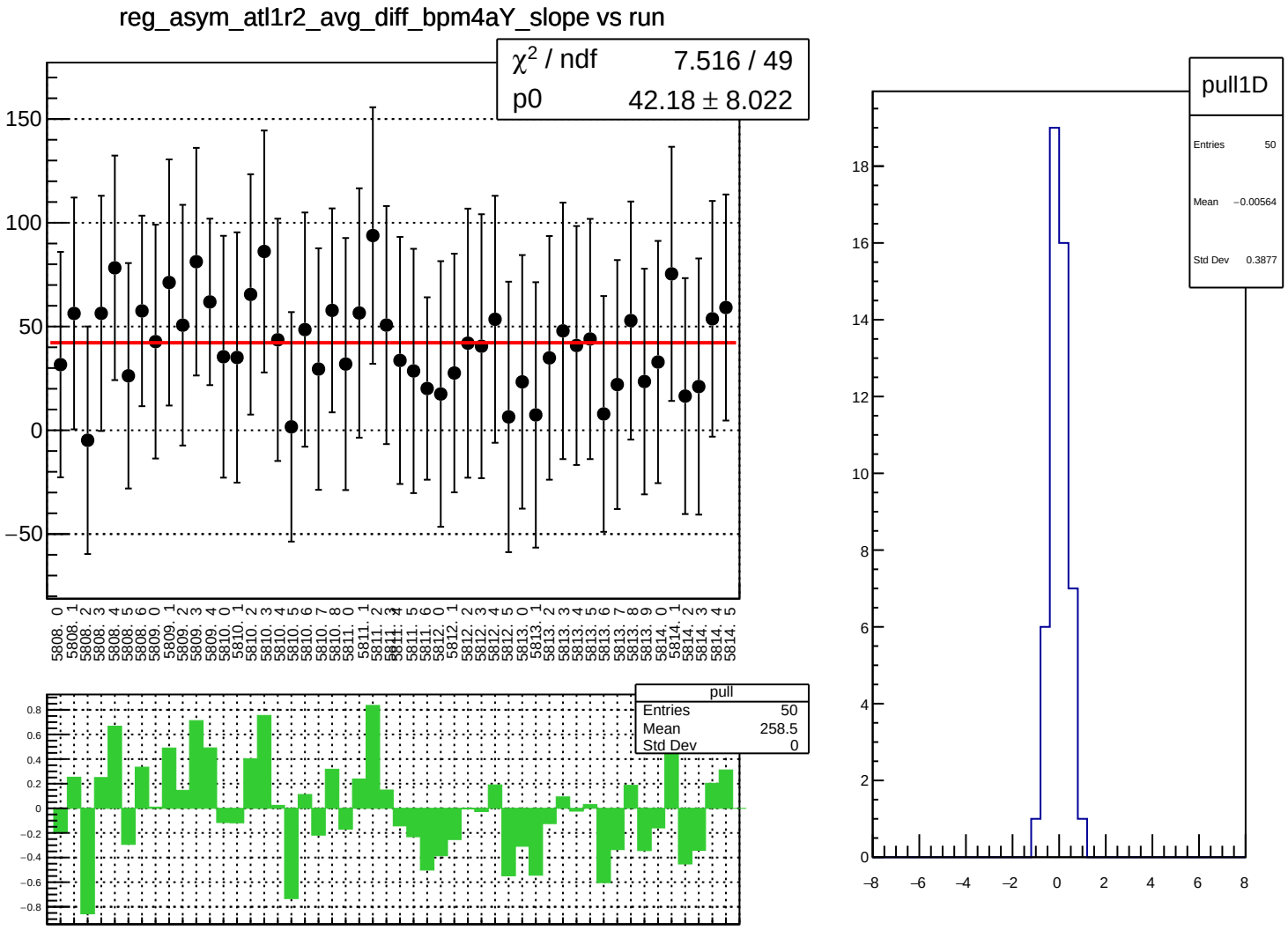

pull1D
Entries 50
Mean 0.003907
Std Dev 0.5557

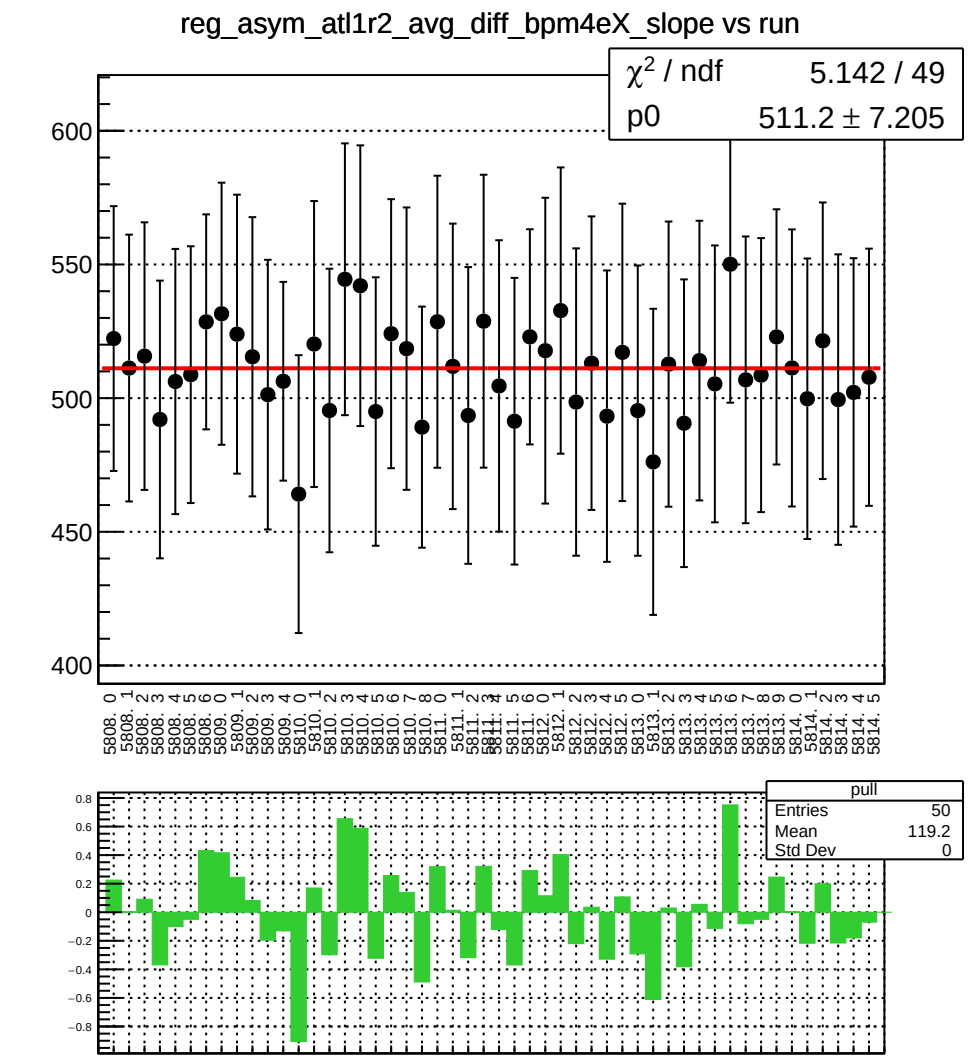

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.58 / 49
p0 −38.83 ± 0.2302
pull
Entries 50
Mean 196.5
Std Dev 0

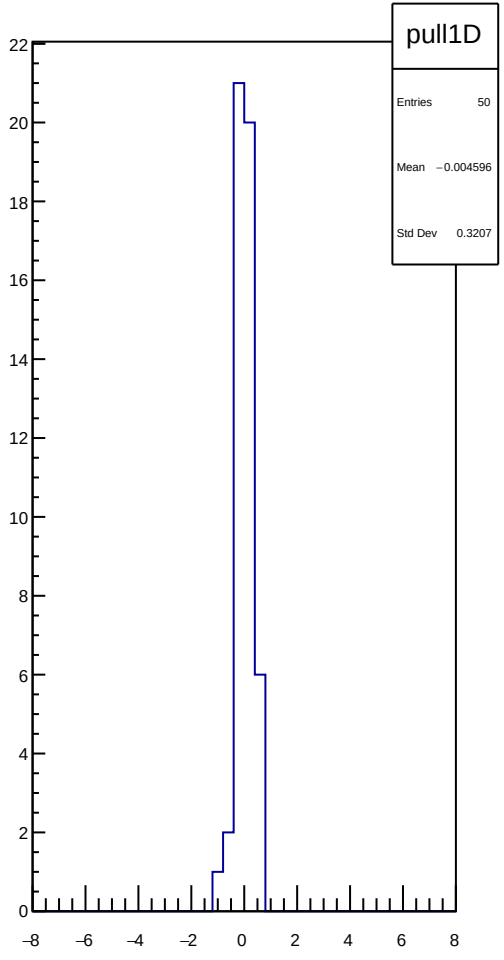

pull1D
Entries 50
Mean −0.008034
Std Dev 0.672

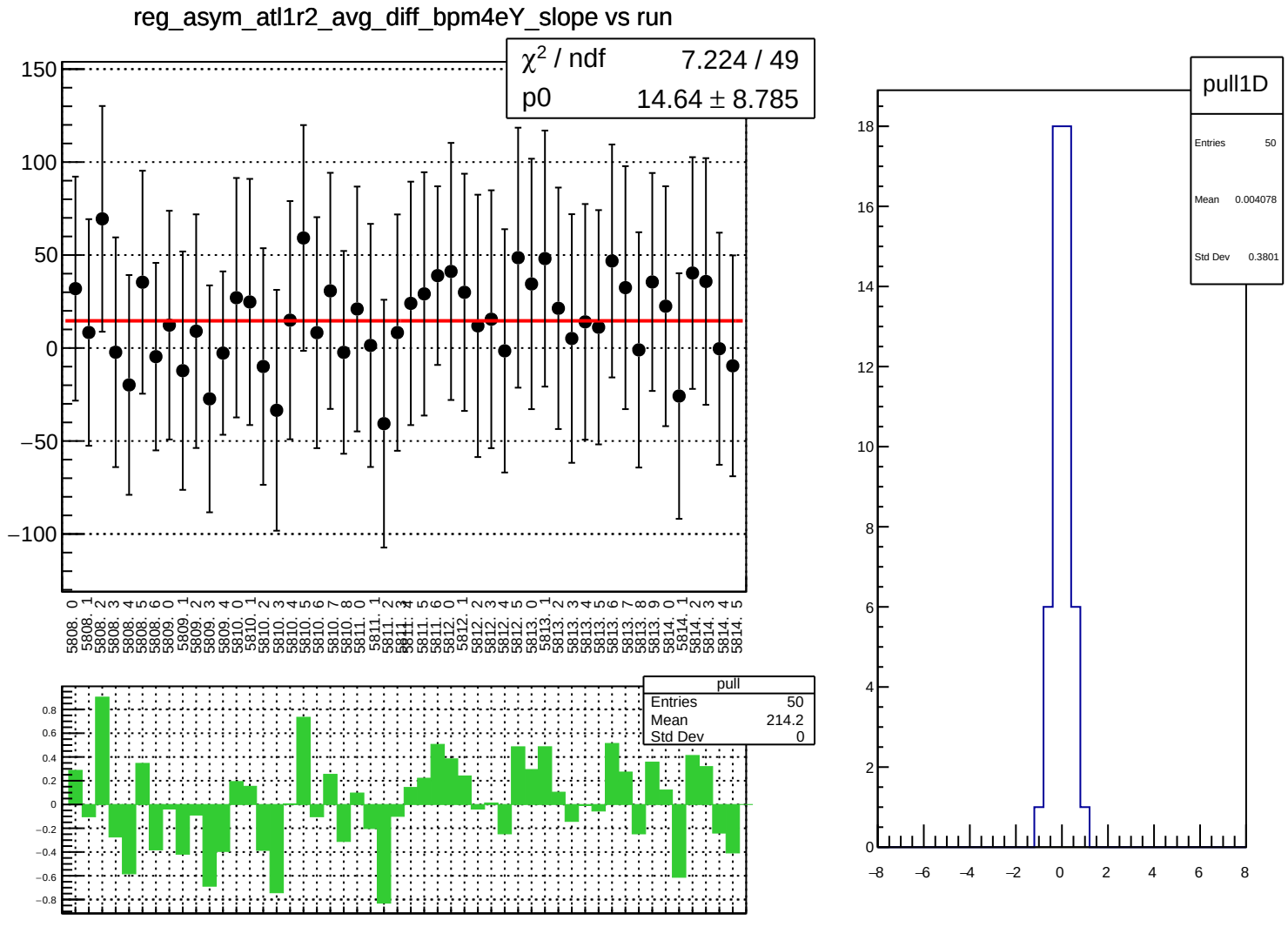

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.559 / 49
p0 −277.1± 5.03
pull
Entries 50
Mean −3579
Std Dev 0

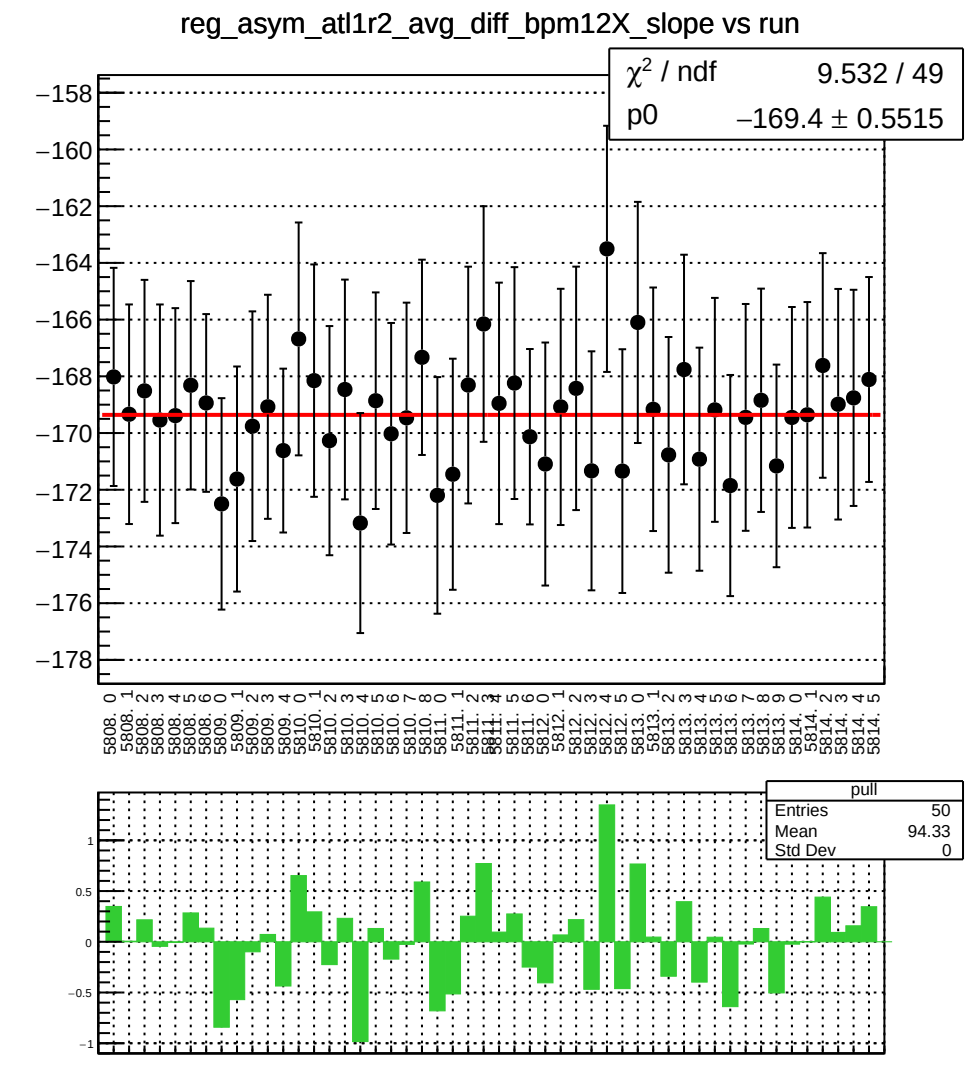

pull1D
Entries 50
Mean 0.0002404
Std Dev 0.3334

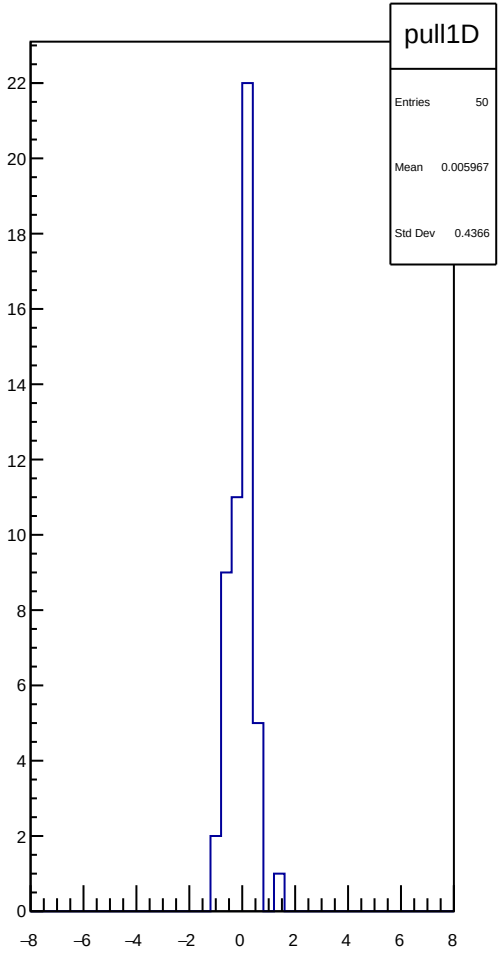

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.516 / 49
p0 42.18 ± 8.022
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 258.5
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean −0.00564
Std Dev 0.3877
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

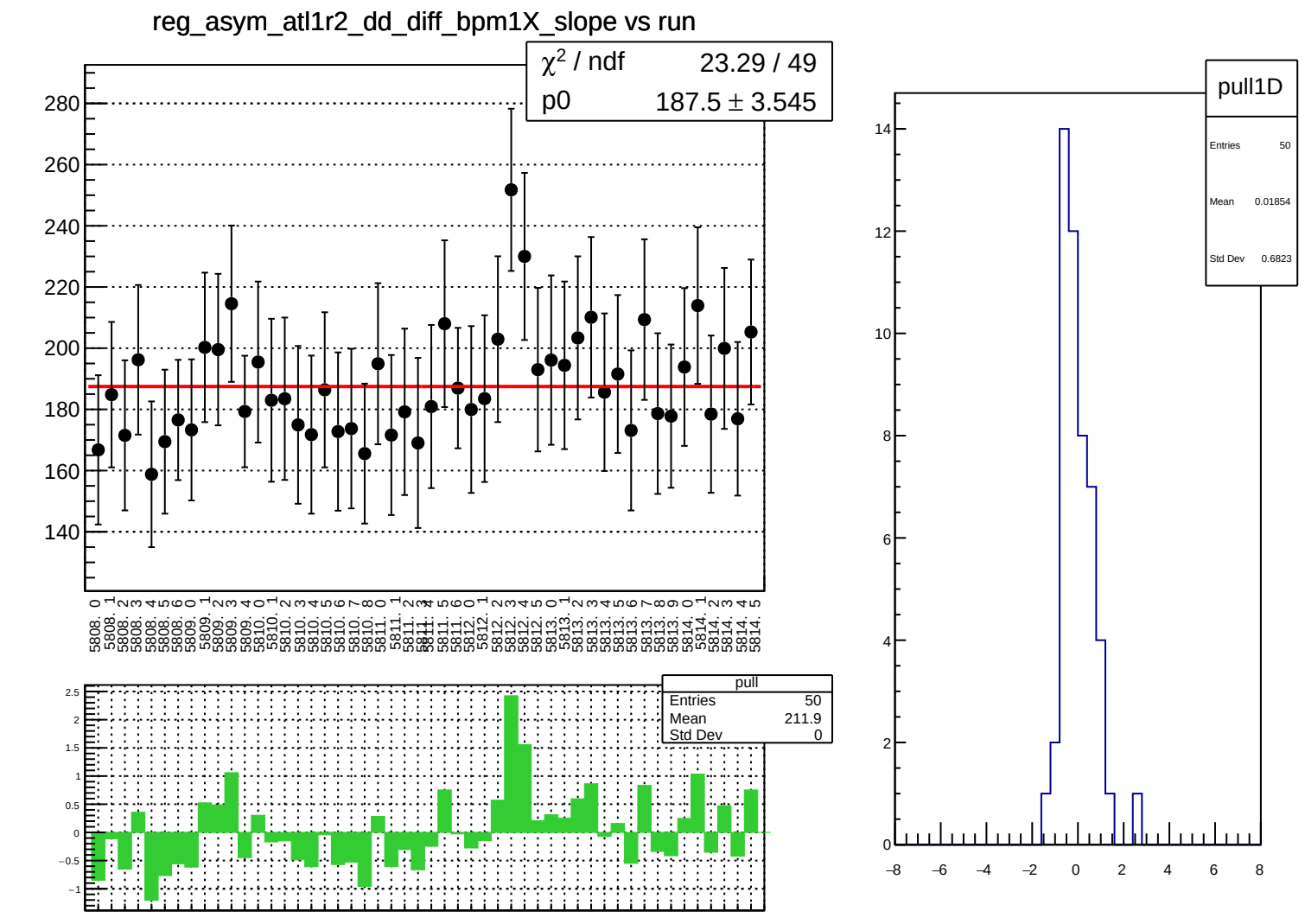

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.142 / 49
p0 511.2 ± 7.205
600
550
500
450
400
pull
Entries 50
Mean 119.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

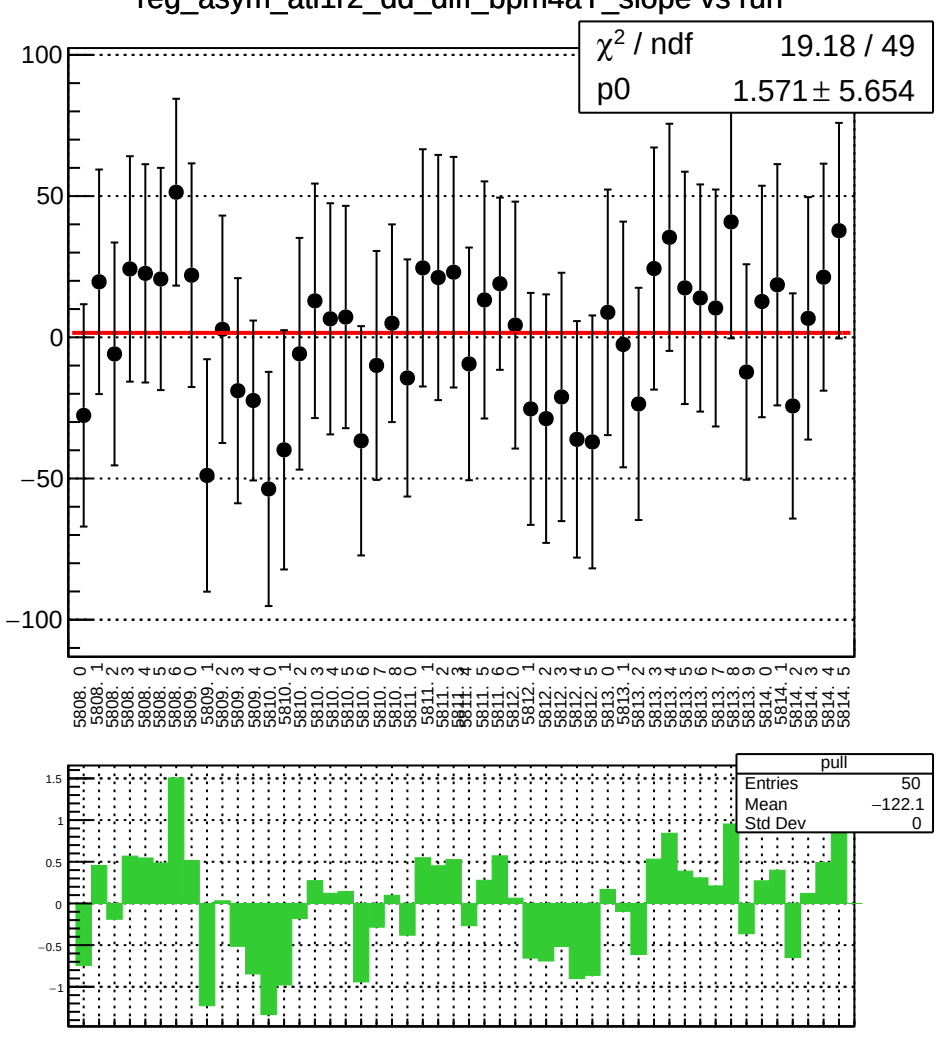

pull1D
Entries 50
Mean −0.004596
Std Dev 0.3207
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

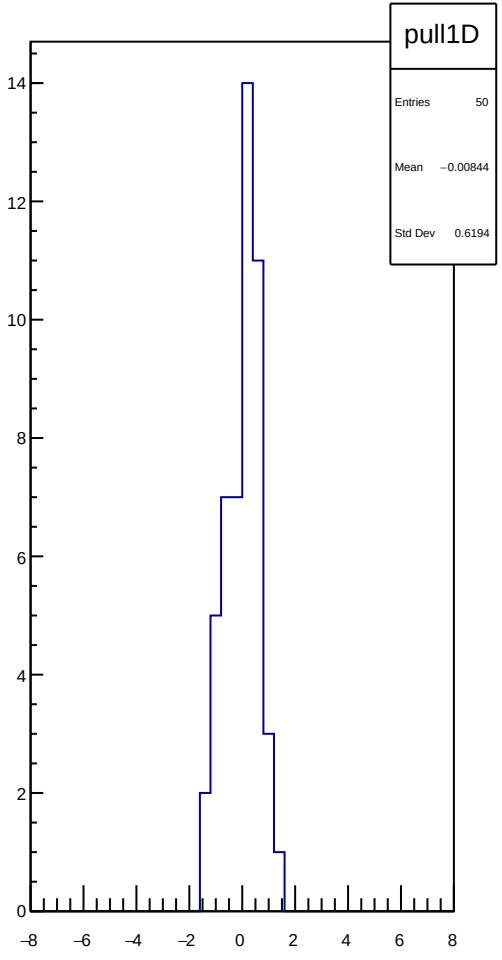

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.224 / 49
p0 14.64 ± 8.785
150
100
50
0
−50
−100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 214.2
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.004078
Std Dev 0.3801
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

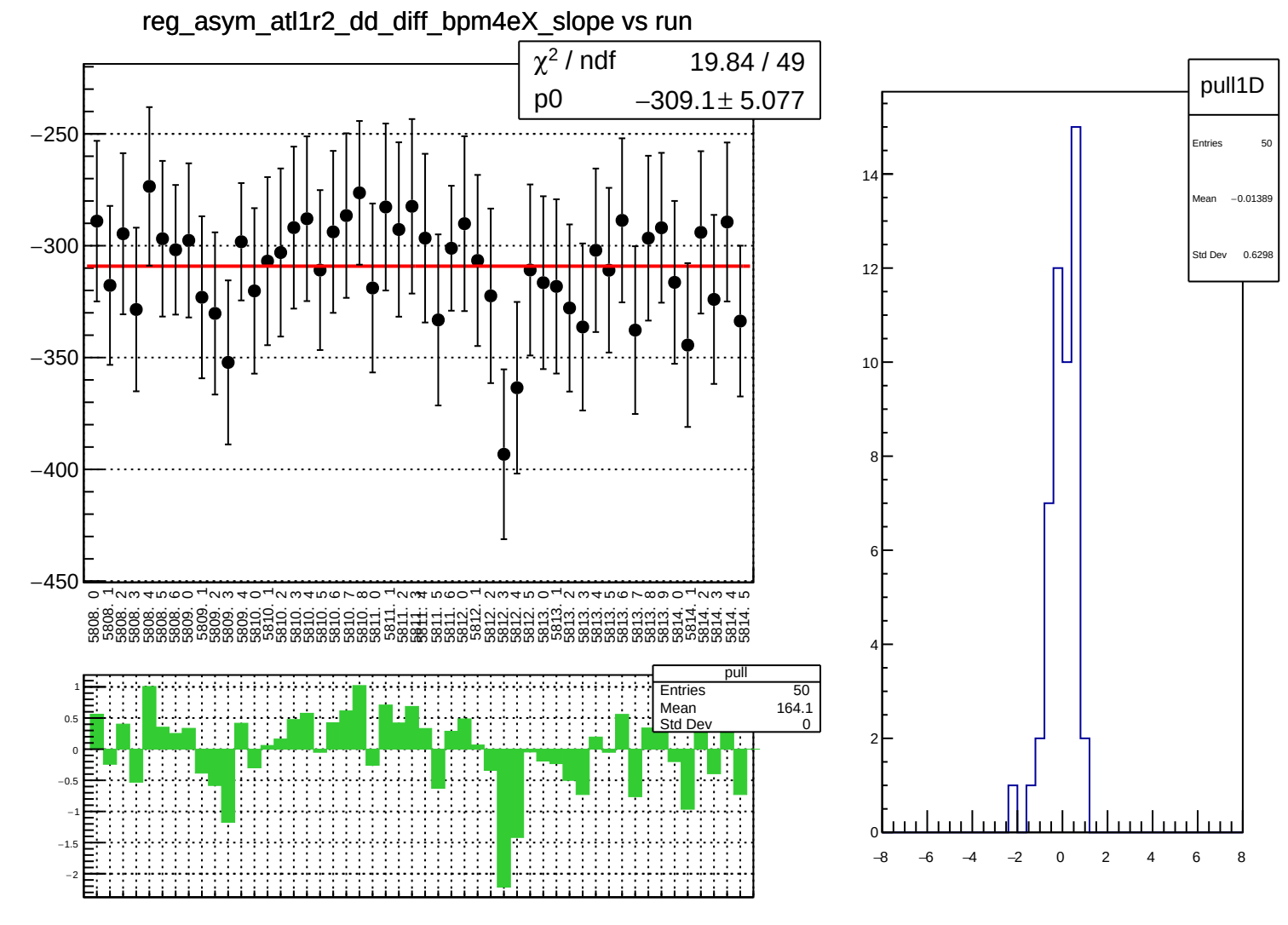

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.532 / 49
p0 −169.4 ± 0.5515
pull
Entries 50
Mean 94.33
Std Dev 0

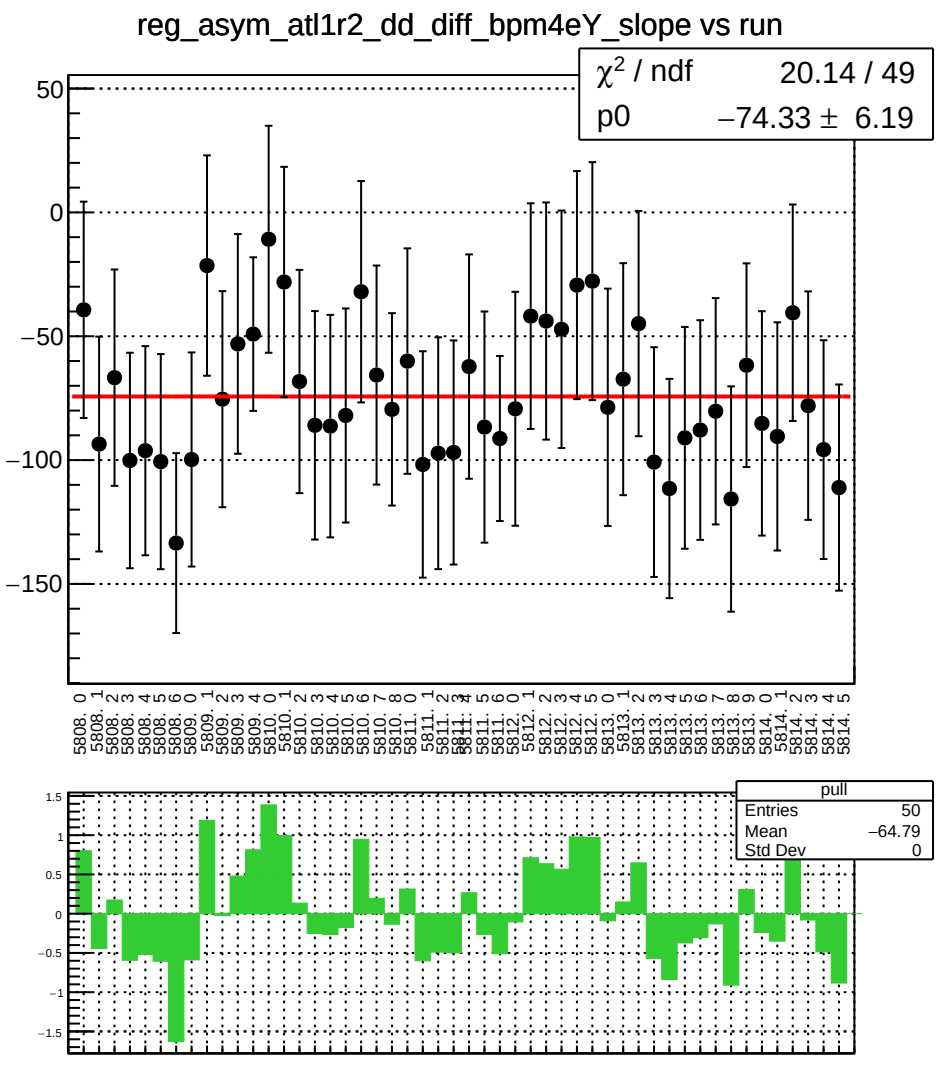

pull1D
Entries 50
Mean 0.005967
Std Dev 0.4366

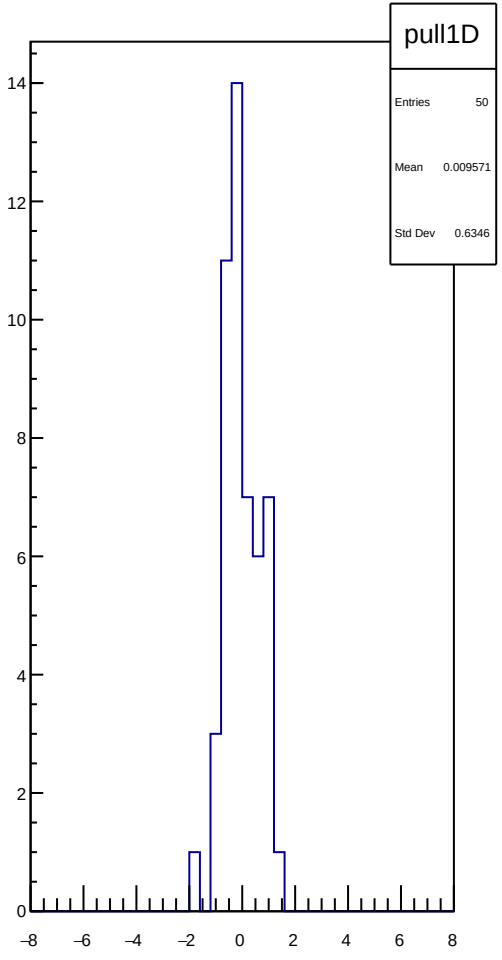

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 23.29 / 49
p0 187.5 ± 3.545
pull
Entries 50
Mean 211.9
Std Dev 0
pull1D
Entries 50
Mean 0.01854
Std Dev 0.6823

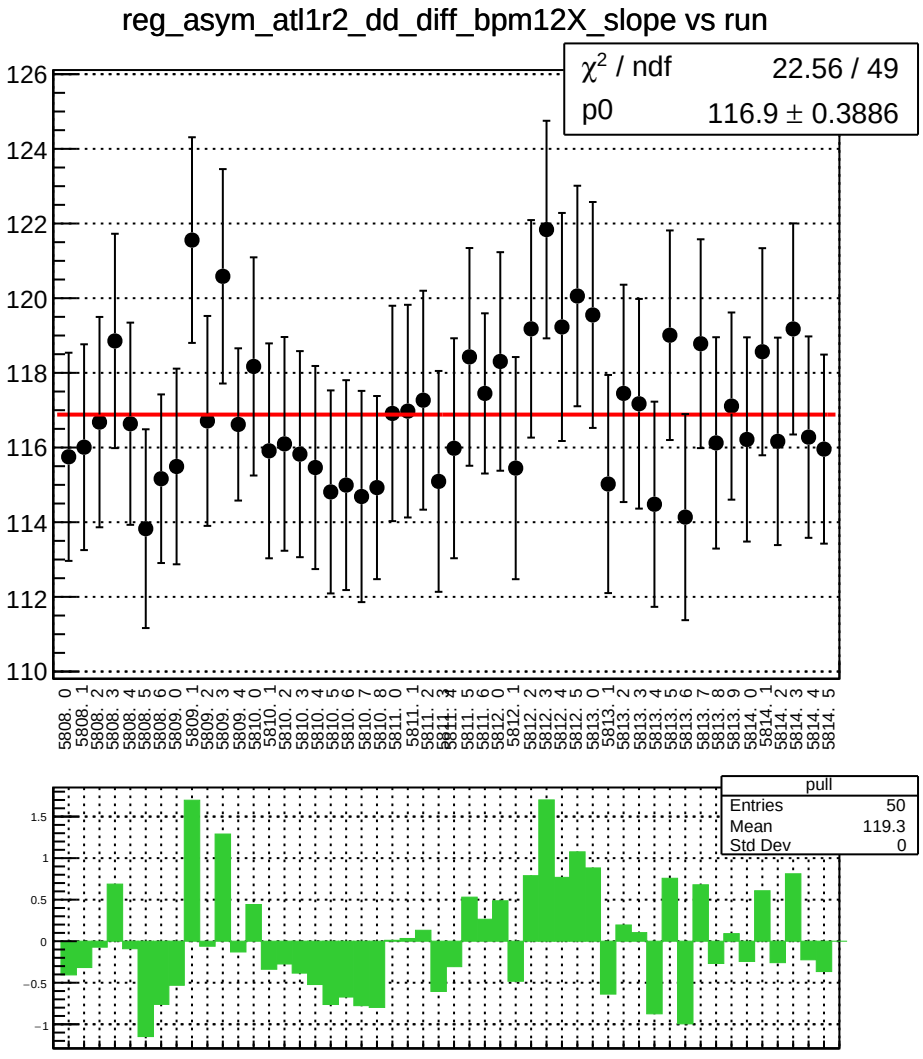

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.18 / 49
p0 1.571 ± 5.654
pull
Entries 50
Mean −122.1
Std Dev 0

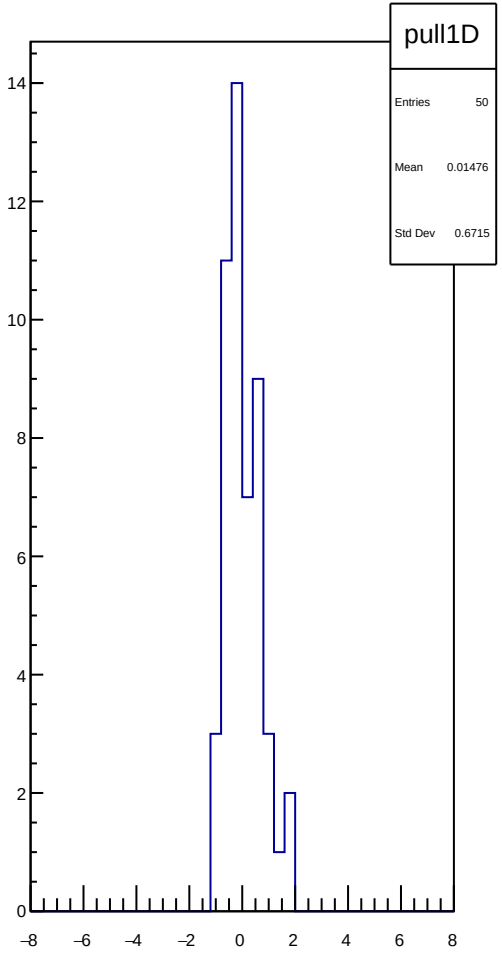

pull1D
Entries 50
Mean −0.00844
Std Dev 0.6194

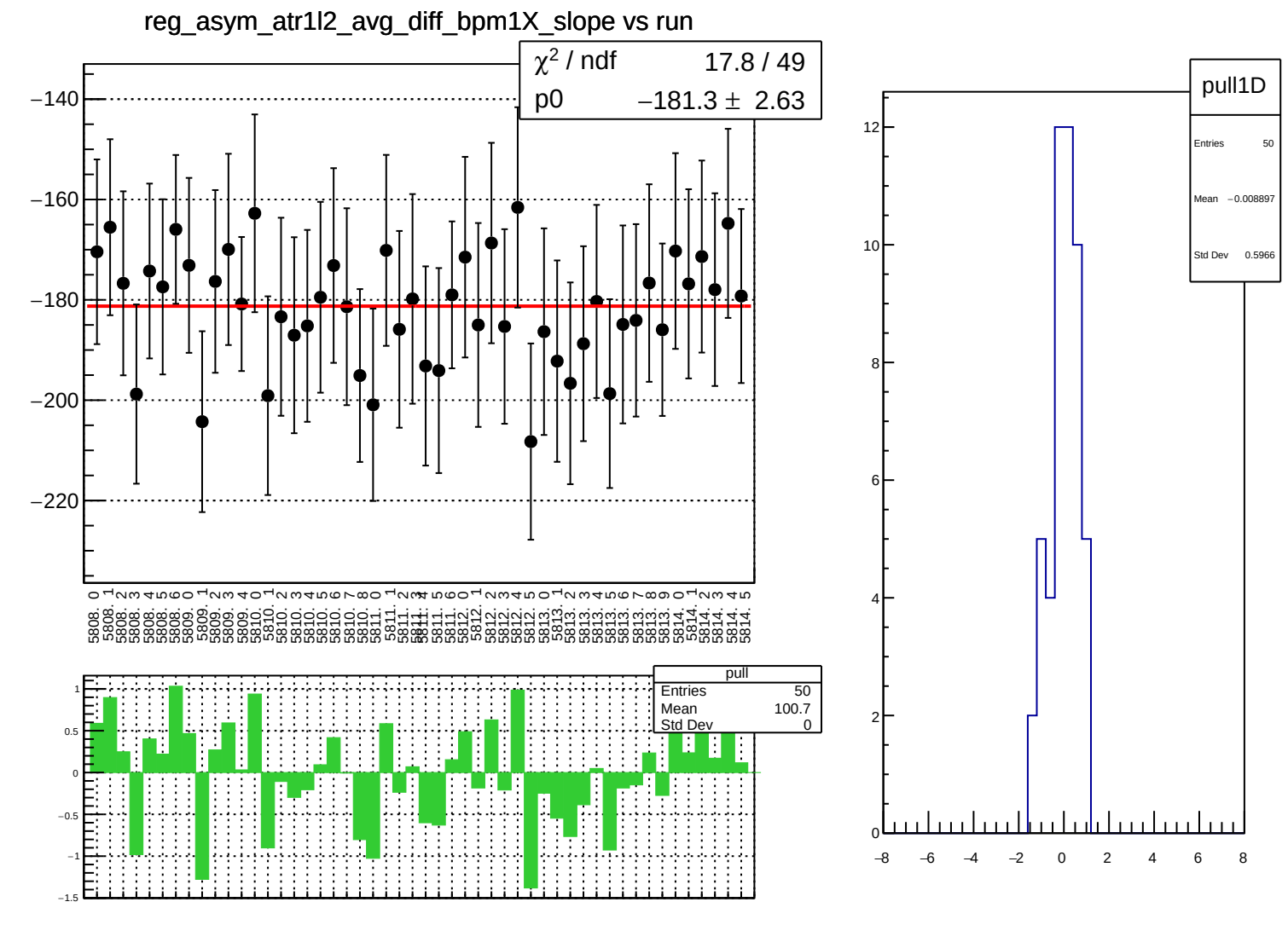

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.84 / 49
p0 −309.1 ± 5.077
−250
−300
−350
−400
−450
pull
Entries 50
Mean 164.1
Std Dev 0
pull1D
Entries 50
Mean −0.01389
Std Dev 0.6298

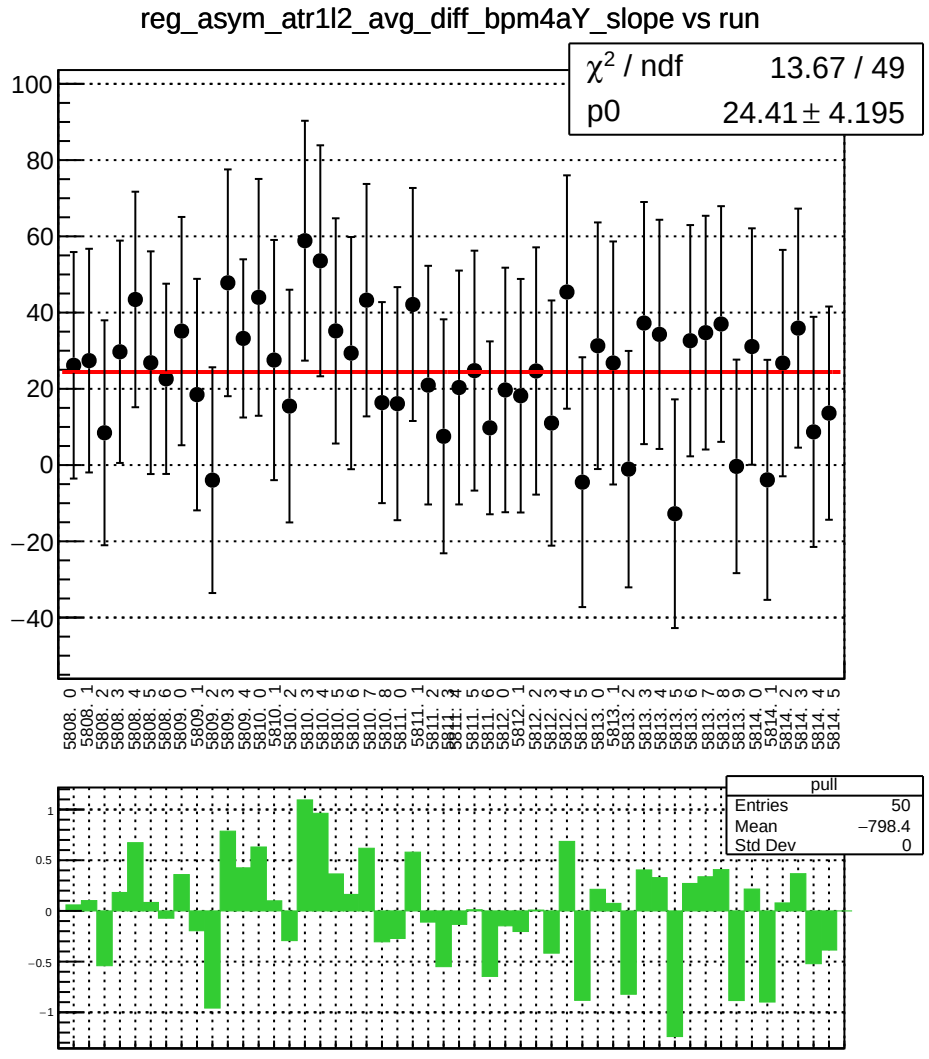

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 20.14 / 49
p0 −74.33 ± 6.19
pull
Entries 50
Mean −64.79
Std Dev 0

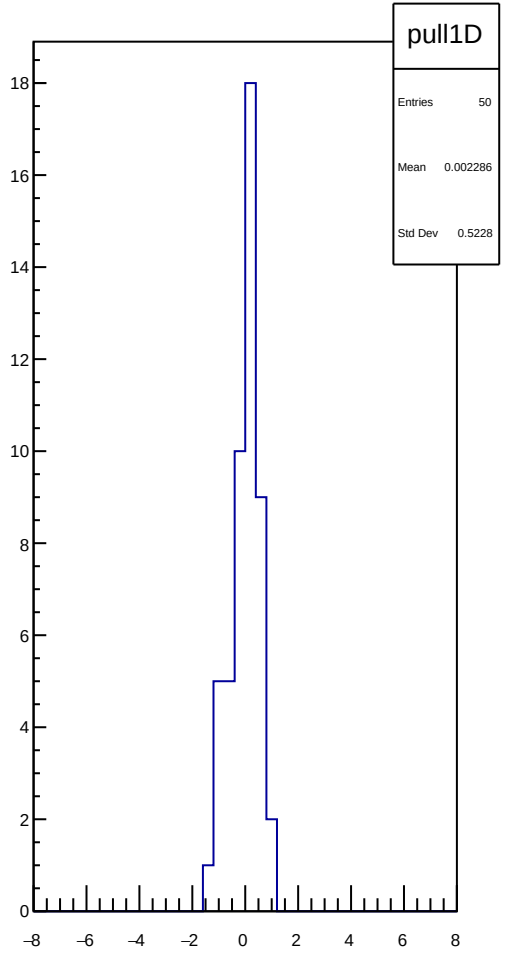

pull1D
Entries 50
Mean 0.009571
Std Dev 0.6346

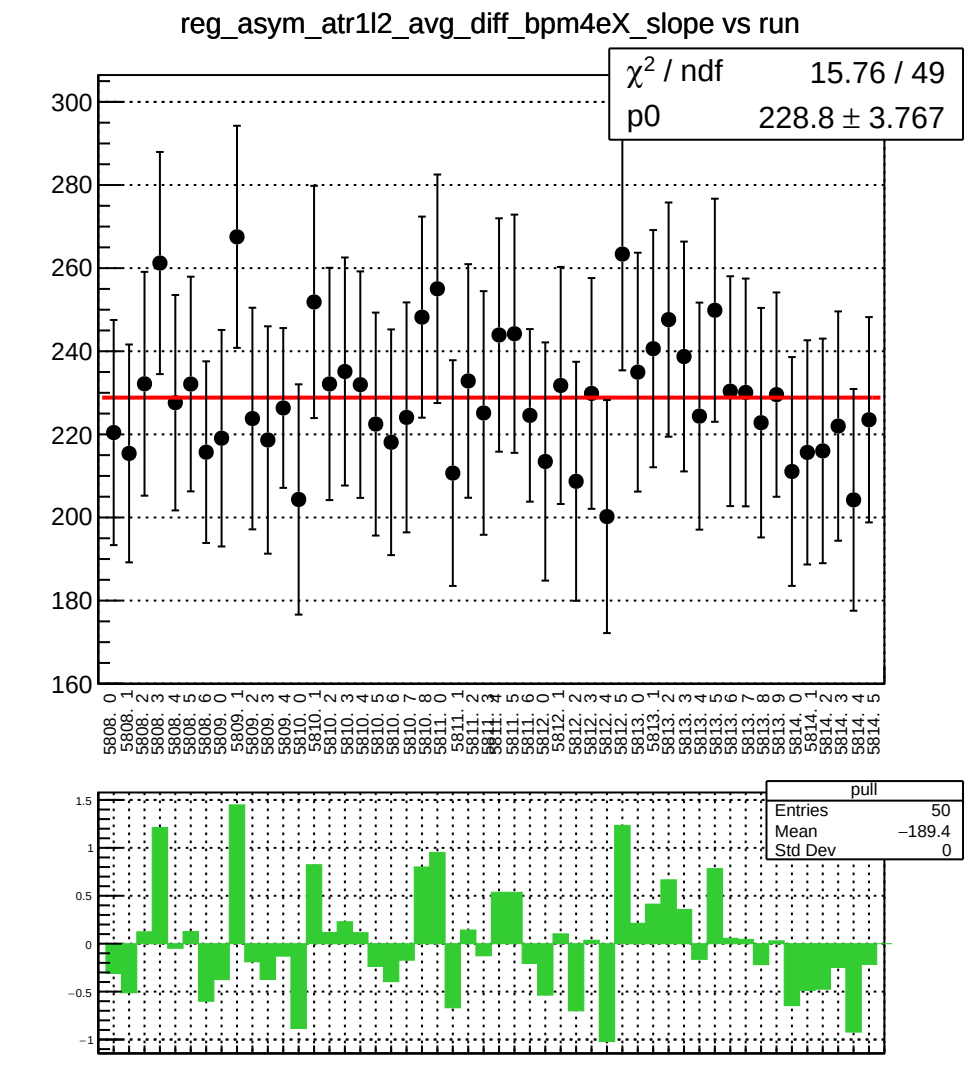

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 22.56 / 49
p0 116.9 ± 0.3886
pull
Entries 50
Mean 119.3
Std Dev 0

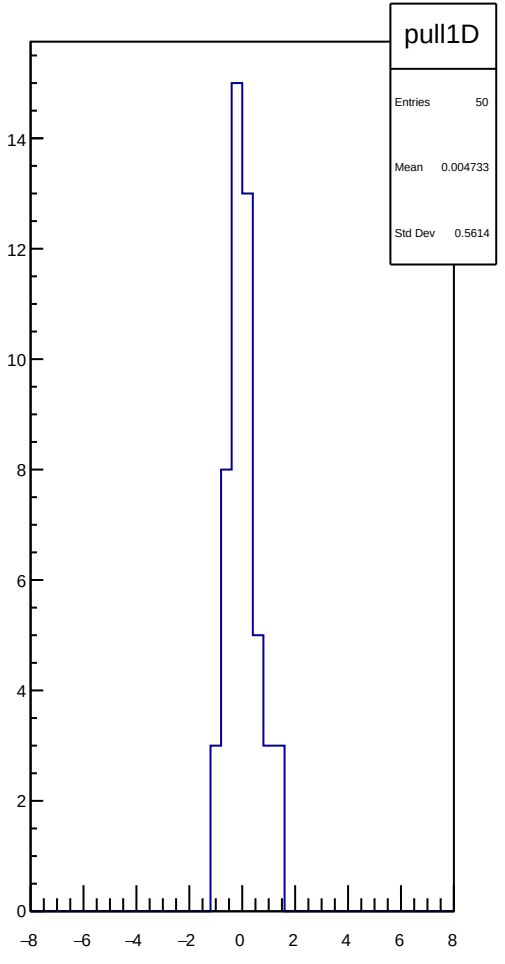

pull1D
Entries 50
Mean 0.01476
Std Dev 0.6715

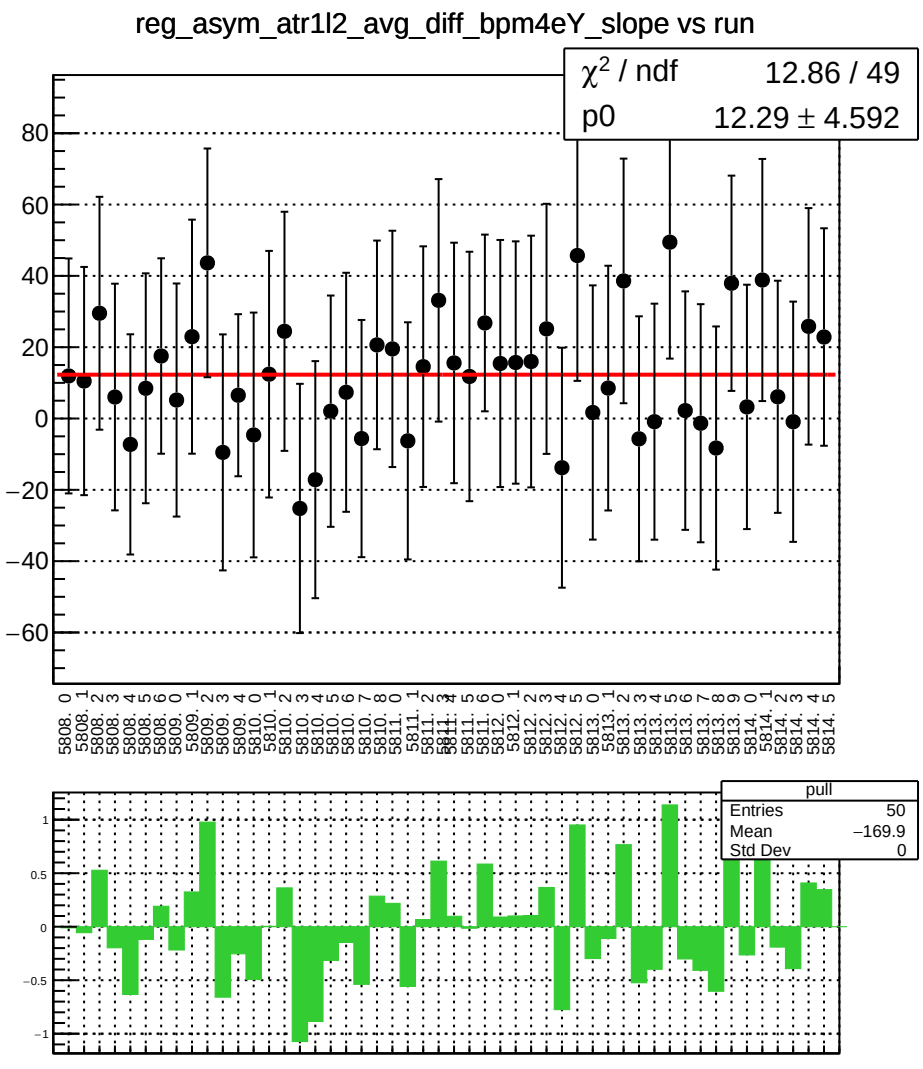

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 17.8 / 49
p0 −181.3 ± 2.63
−140
−160
−180
−200
−220
pull
Entries 50
Mean 100.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 50
Mean −0.008897
Std Dev 0.5966
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

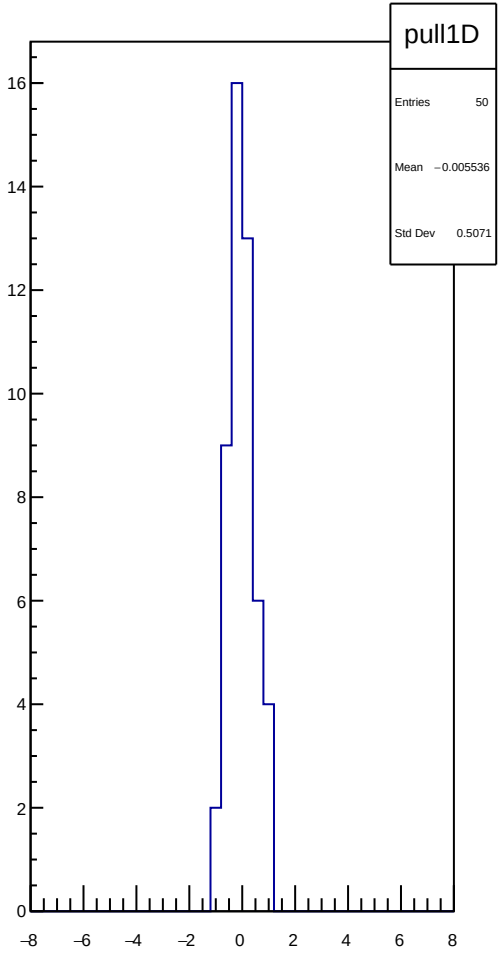

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.67 / 49
p0 24.41 ± 4.195
pull
Entries 50
Mean −798.4
Std Dev 0

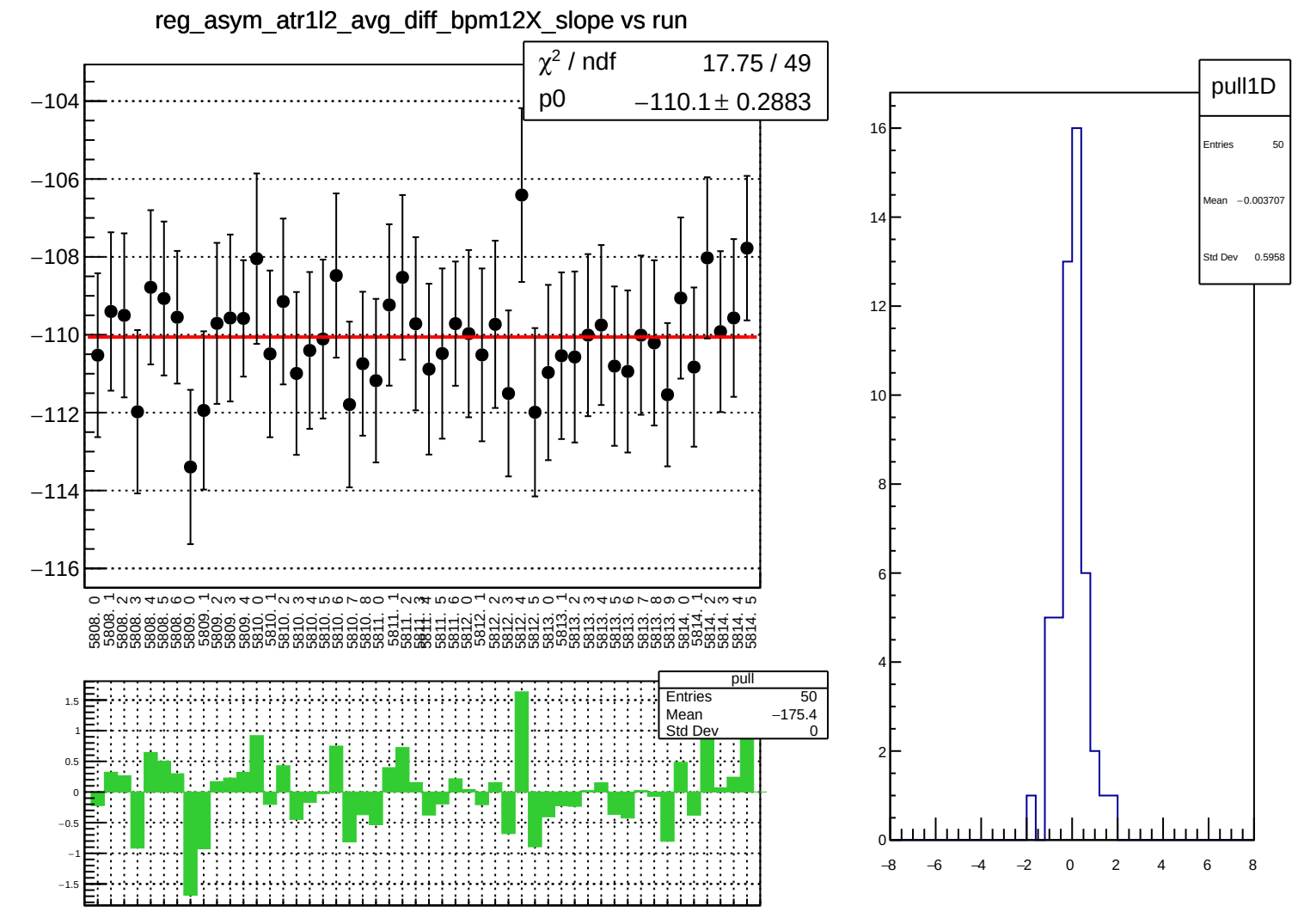

pull1D
Entries 50
Mean 0.002286
Std Dev 0.5228

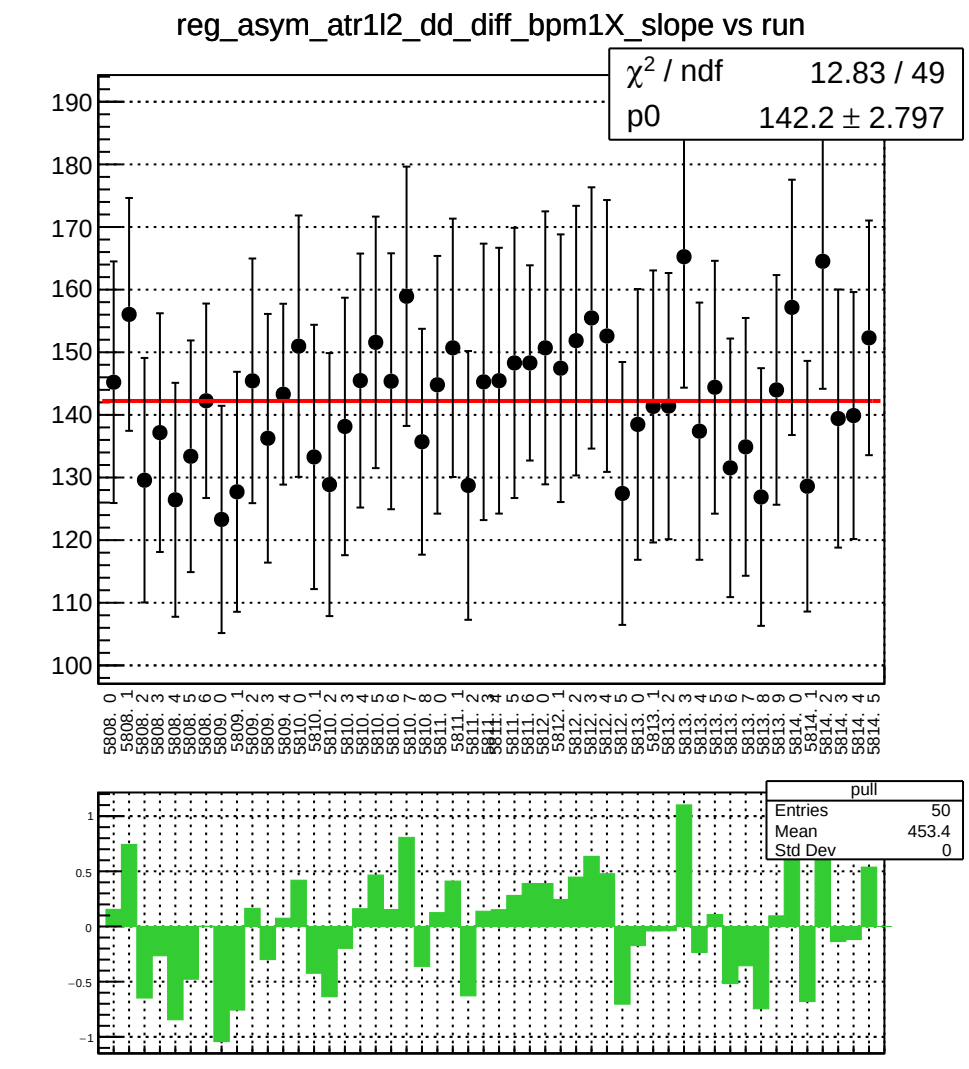

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.76 / 49
p0 228.8 ± 3.767
pull
Entries 50
Mean −189.4
Std Dev 0

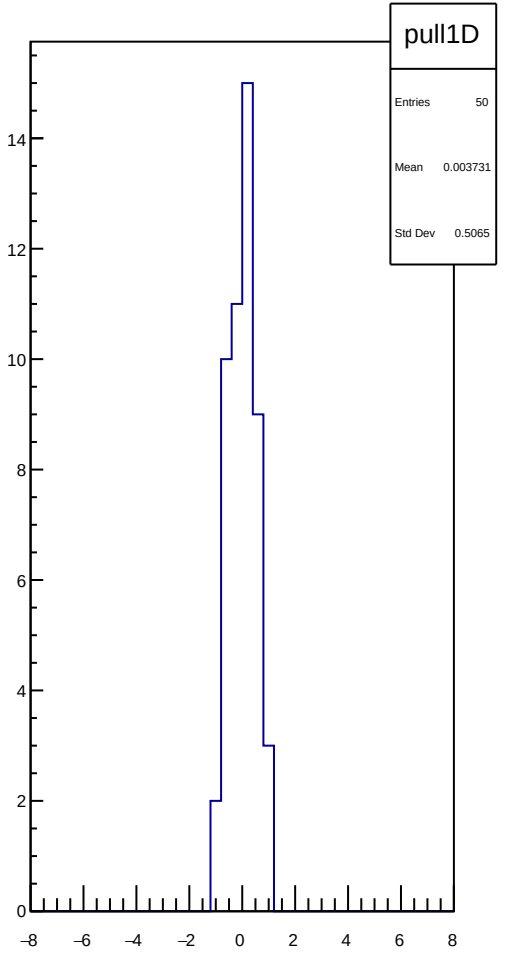

pull1D
Entries 50
Mean 0.004733
Std Dev 0.5614

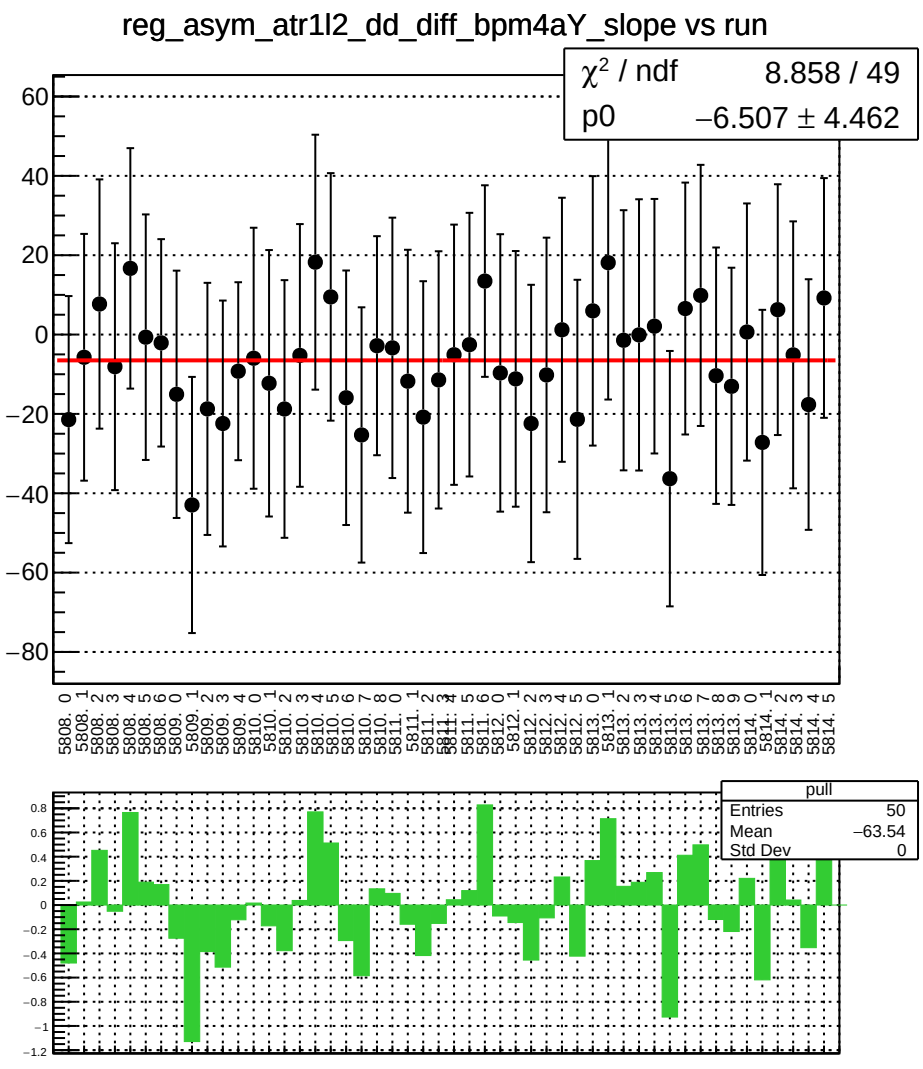

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.86 / 49
p0 12.29 ± 4.592
pull
Entries 50
Mean −169.9
Std Dev 0

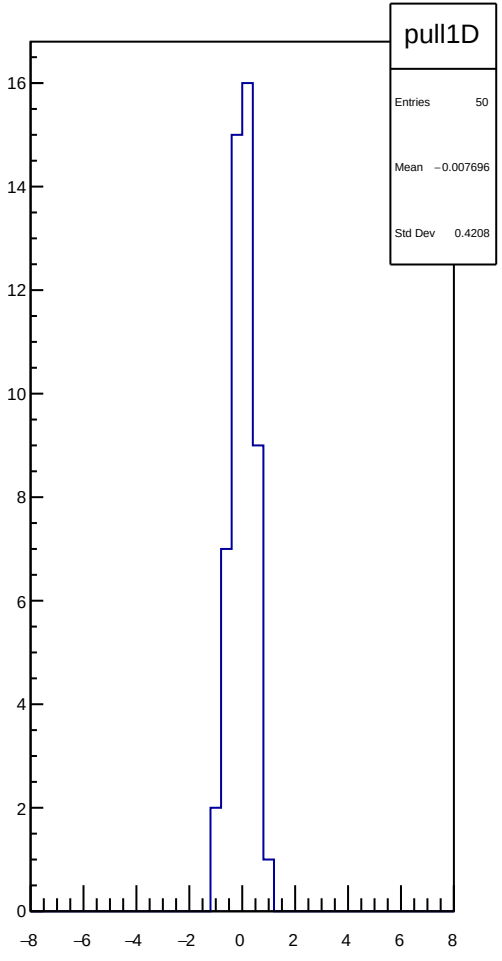

pull1D
Entries 50
Mean −0.005536
Std Dev 0.5071

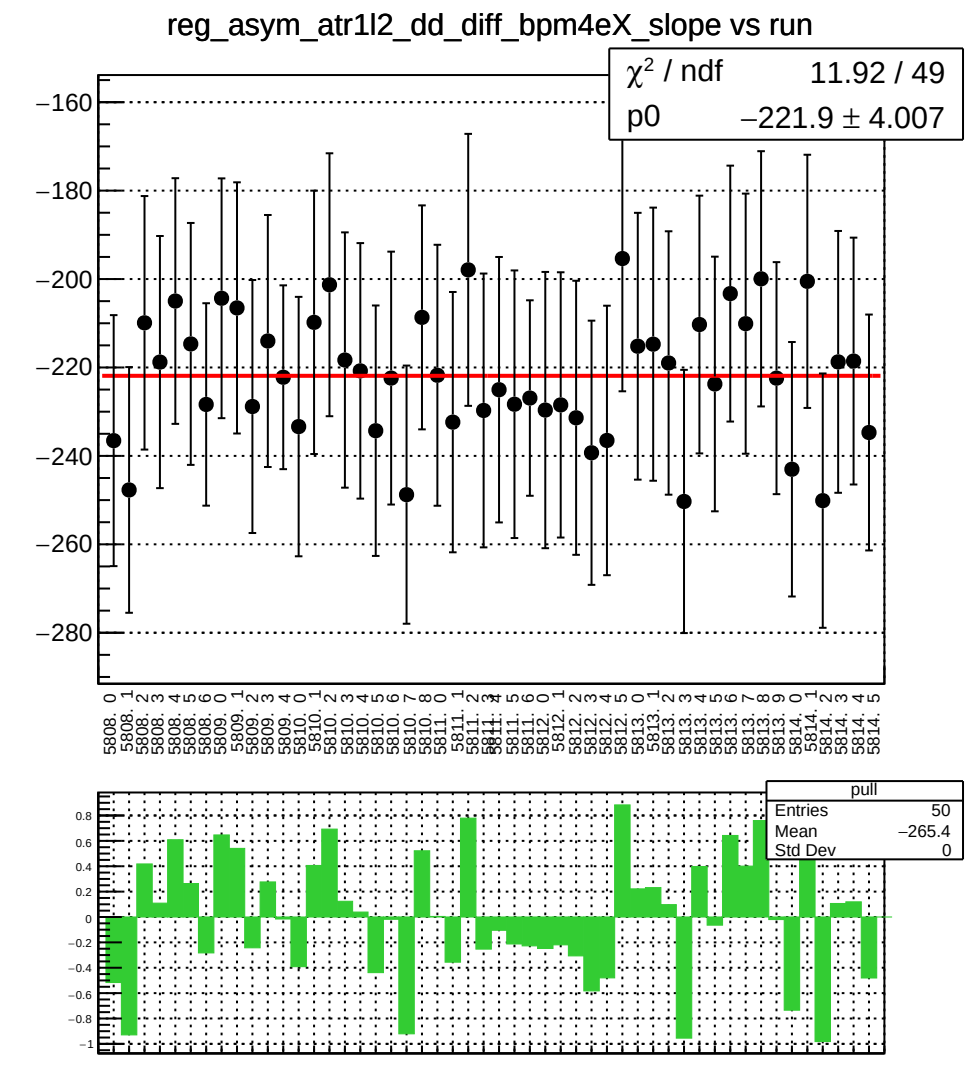

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 17.75 / 49
p0 −110.1 ± 0.2883
pull
Entries 50
Mean −175.4
Std Dev 0
pull1D
Entries 50
Mean −0.003707
Std Dev 0.5958

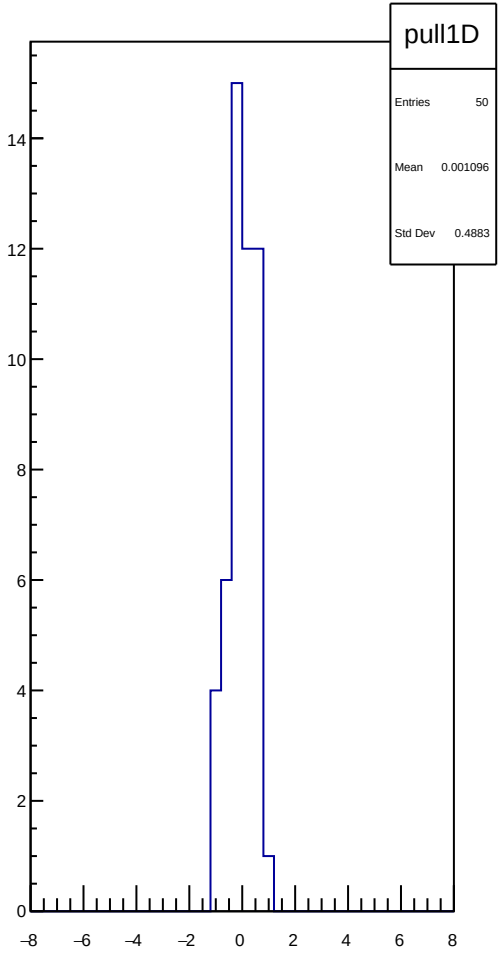

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 12.83 / 49
p0 142.2 ± 2.797
pull
Entries 50
Mean 453.4
Std Dev 0

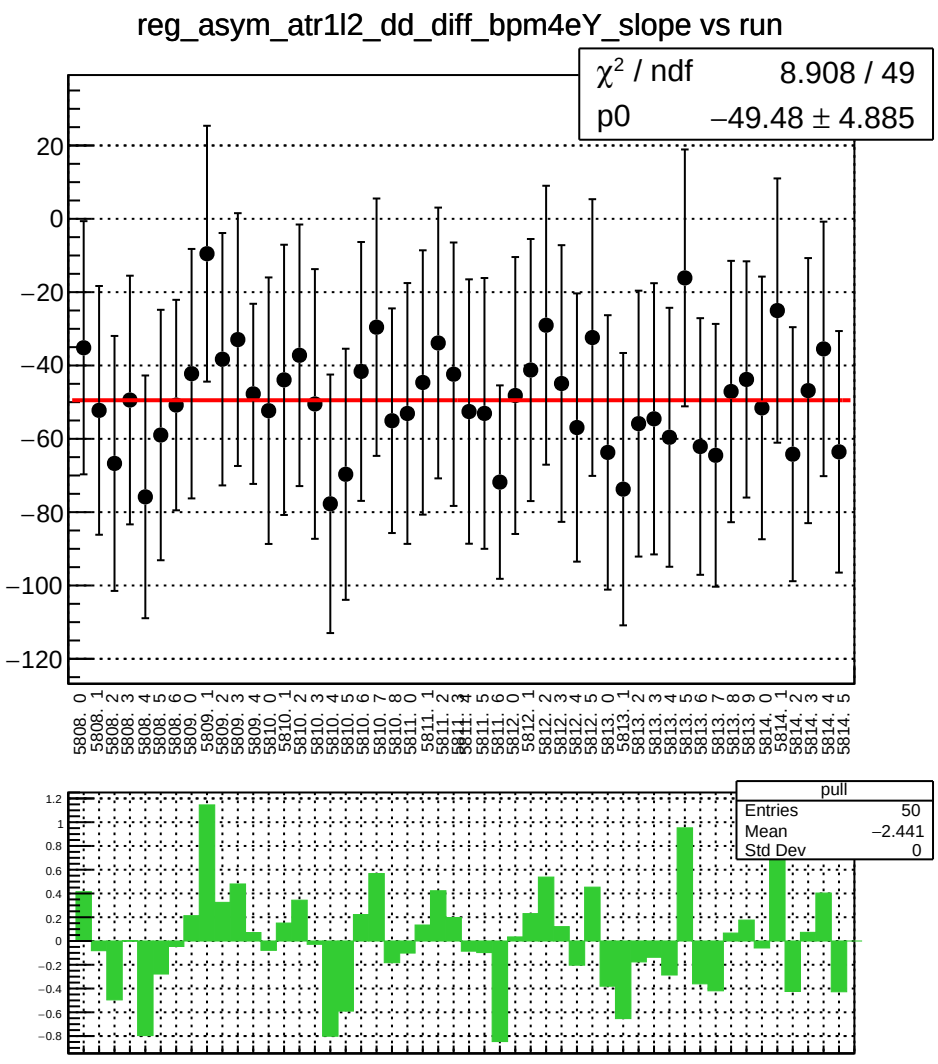

pull1D
Entries 50
Mean 0.003731
Std Dev 0.5065

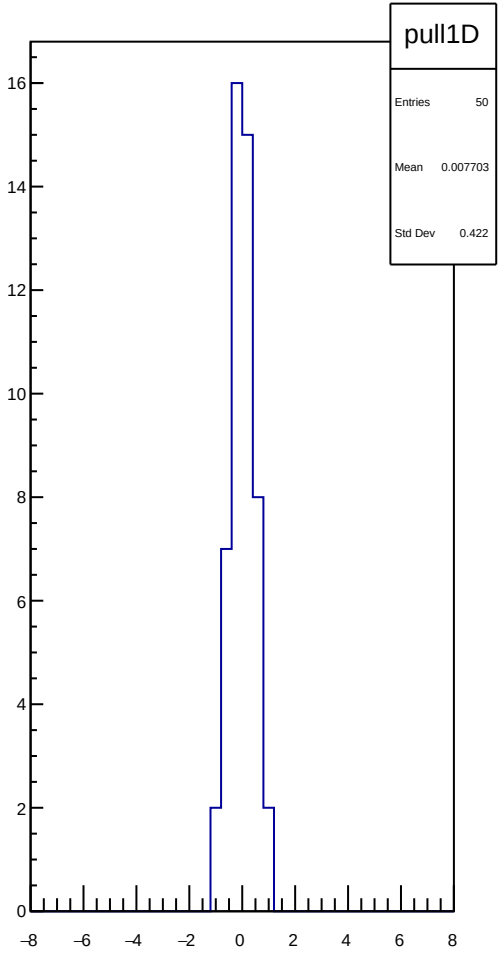

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.858 / 49
p0 −6.507 ± 4.462
pull
Entries 50
Mean −63.54
Std Dev 0

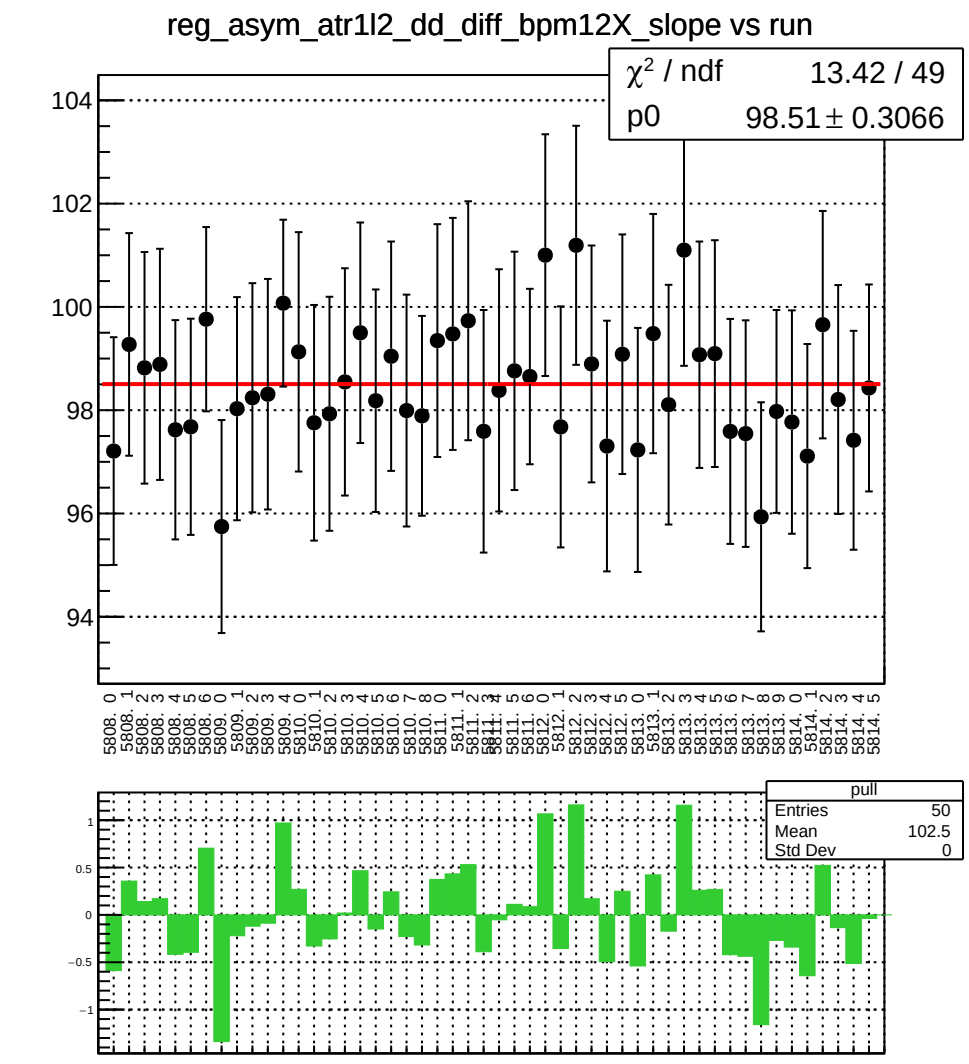

pull1D
Entries 50
Mean −0.007696
Std Dev 0.4208

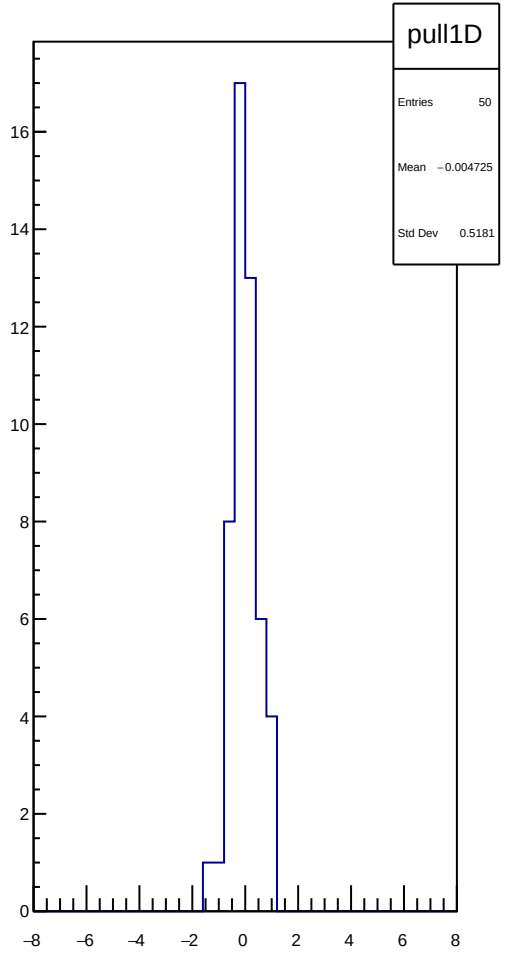

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.92 / 49
p0 −221.9 ± 4.007
pull
Entries 50
Mean −265.4
Std Dev 0

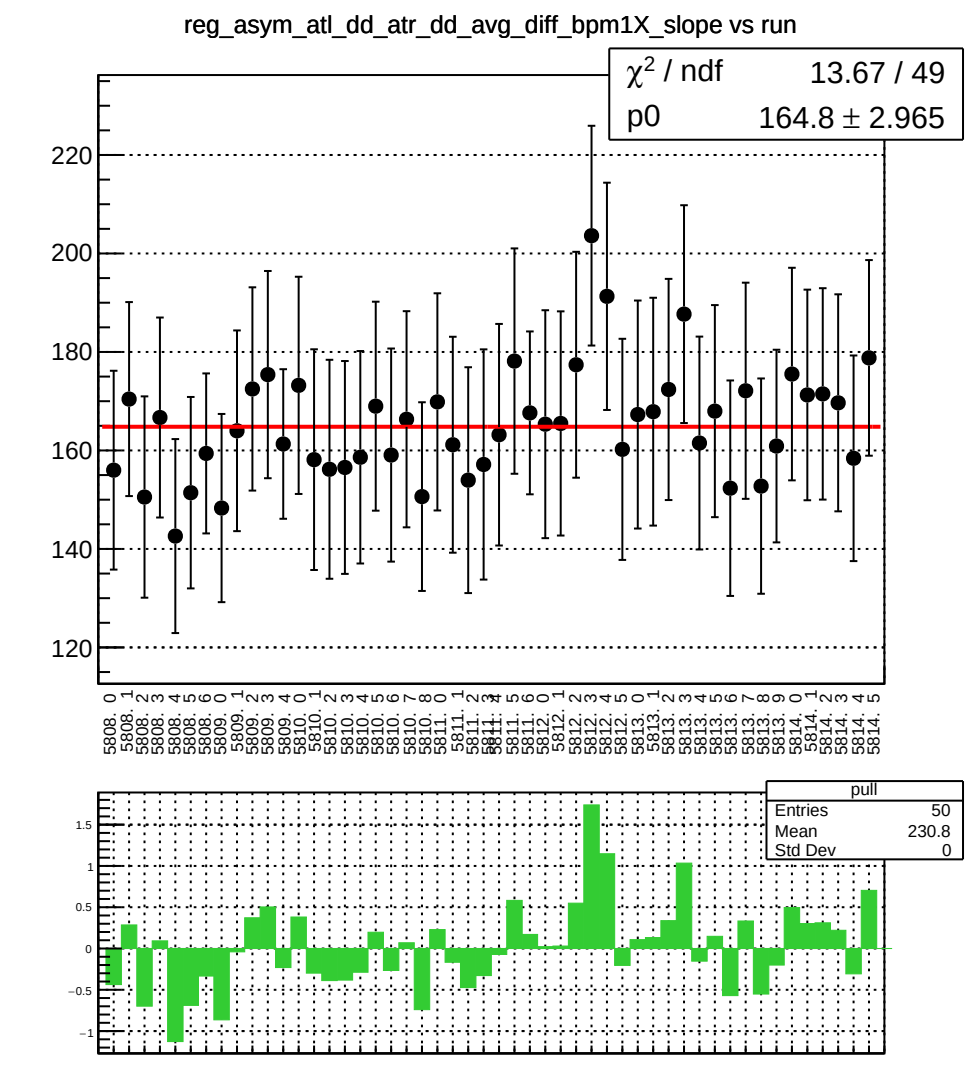

pull1D
Entries 50
Mean 0.001096
Std Dev 0.4883

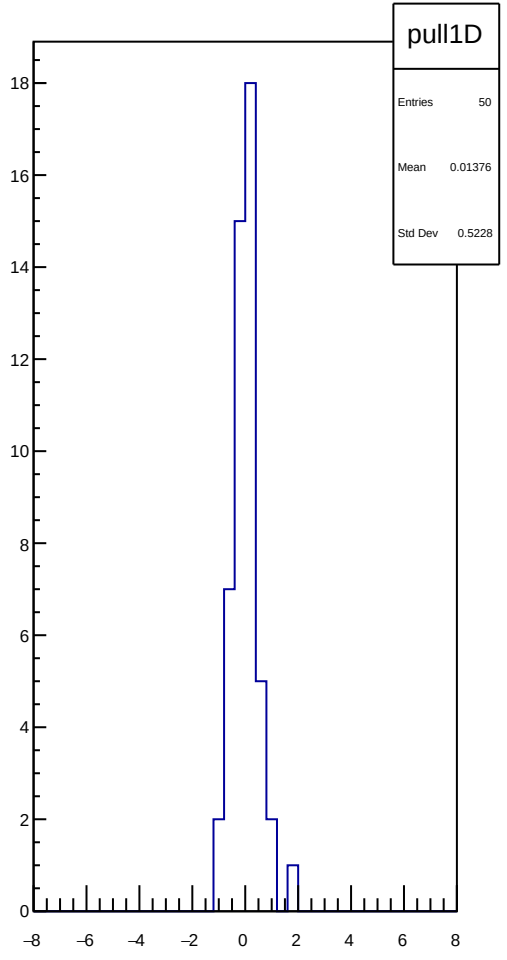

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.908 / 49
p0 −49.48 ± 4.885
pull
Entries 50
Mean −2.441
Std Dev 0

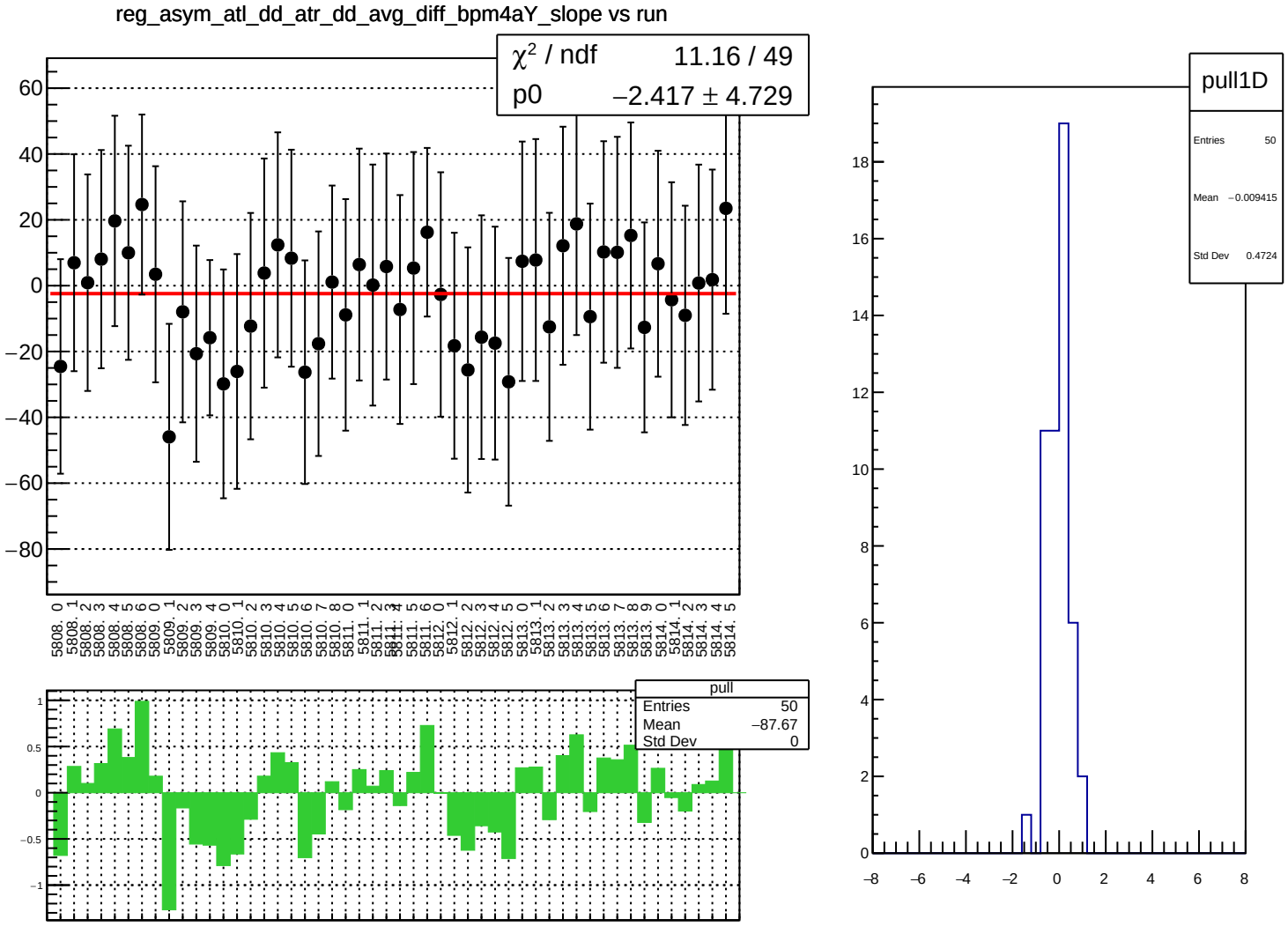

pull1D
Entries 50
Mean 0.007703
Std Dev 0.422

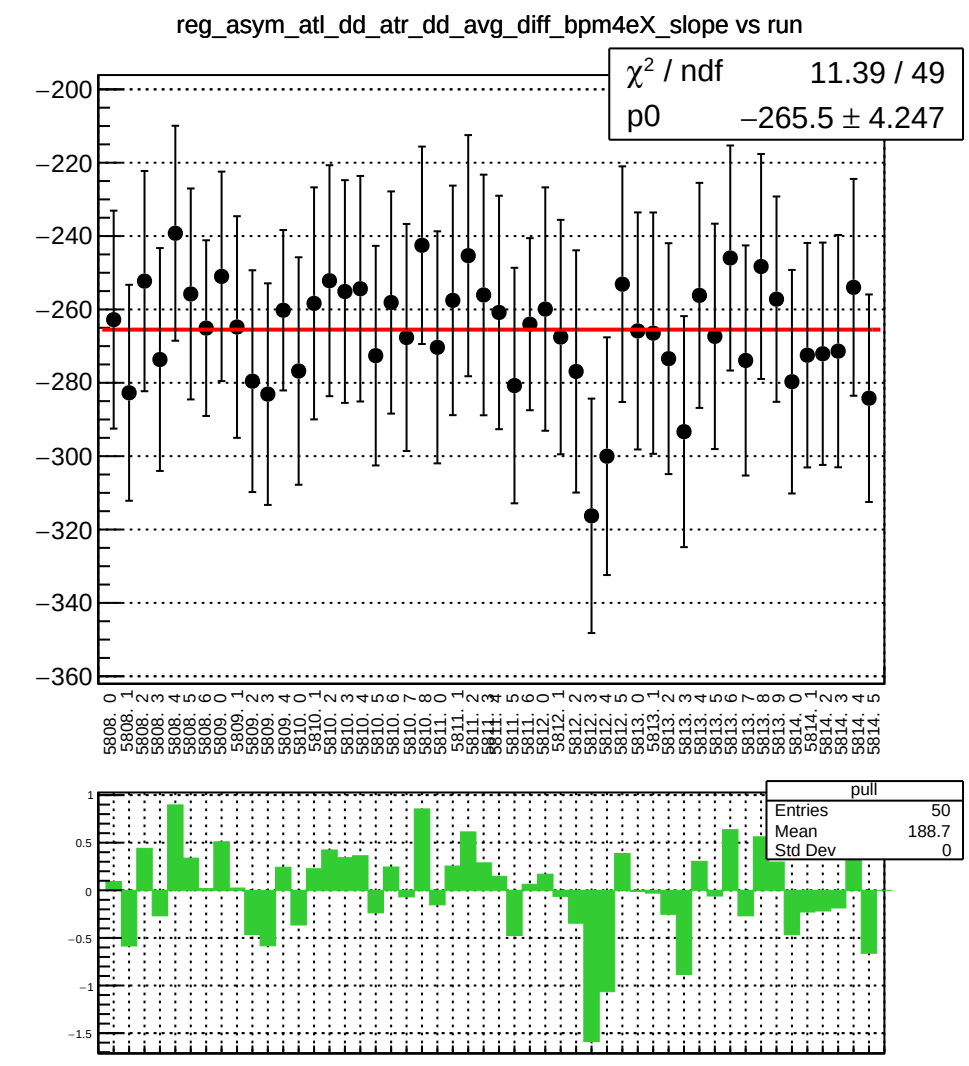

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 13.42 / 49
p0 98.51 ± 0.3066
104
102
100
98
96
94
pull
Entries 50
Mean 102.5
Std Dev 0
1
0.5
0
−0.5
−1

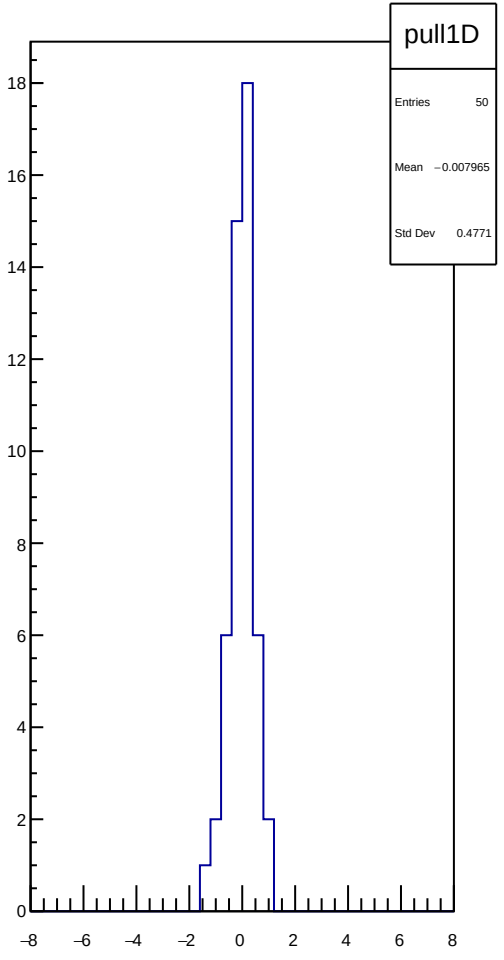

pull1D
Entries 50
Mean −0.004725
Std Dev 0.5181
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

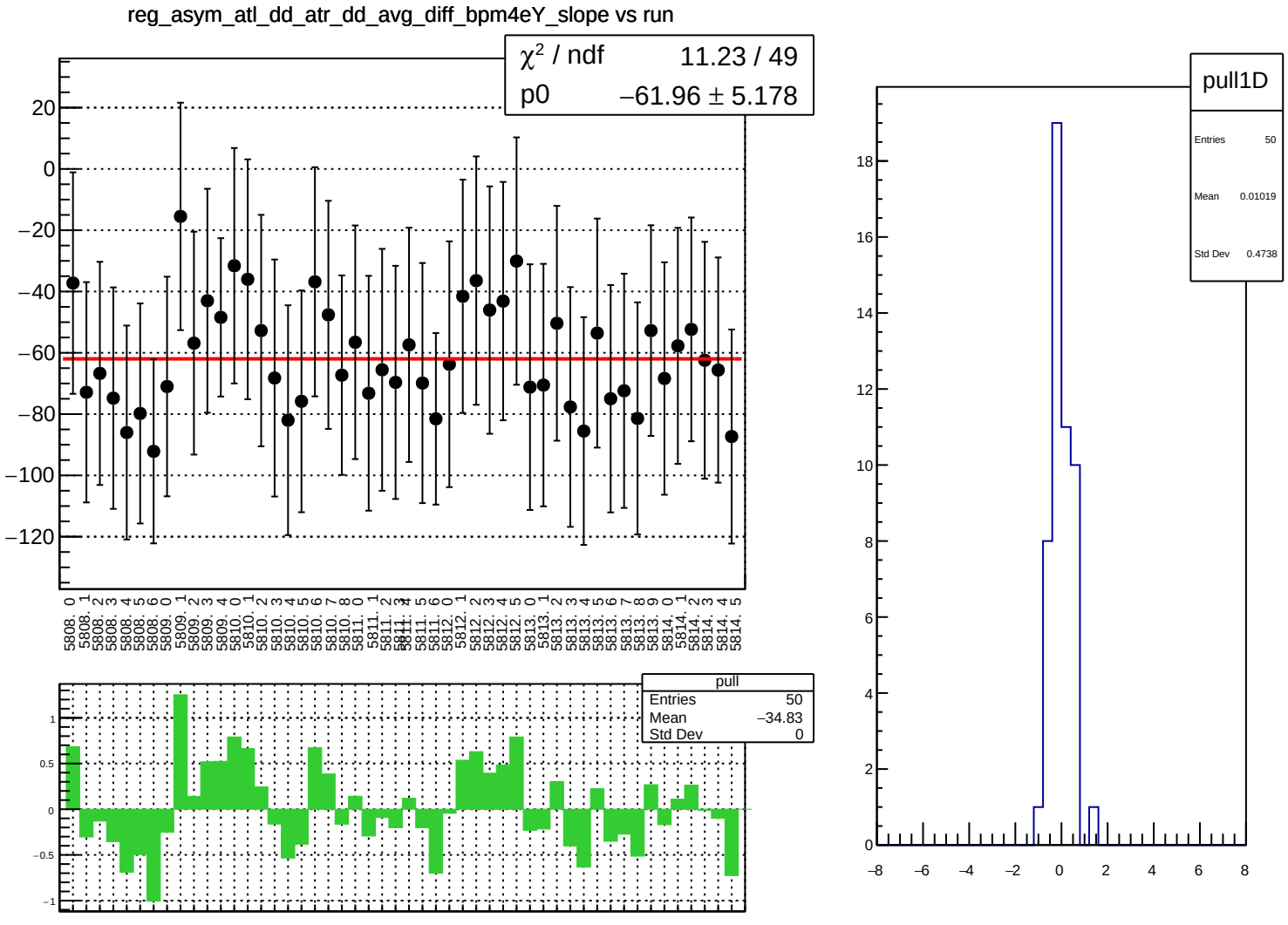

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 13.67 / 49
p0 164.8 ± 2.965
pull
Entries 50
Mean 230.8
Std Dev 0

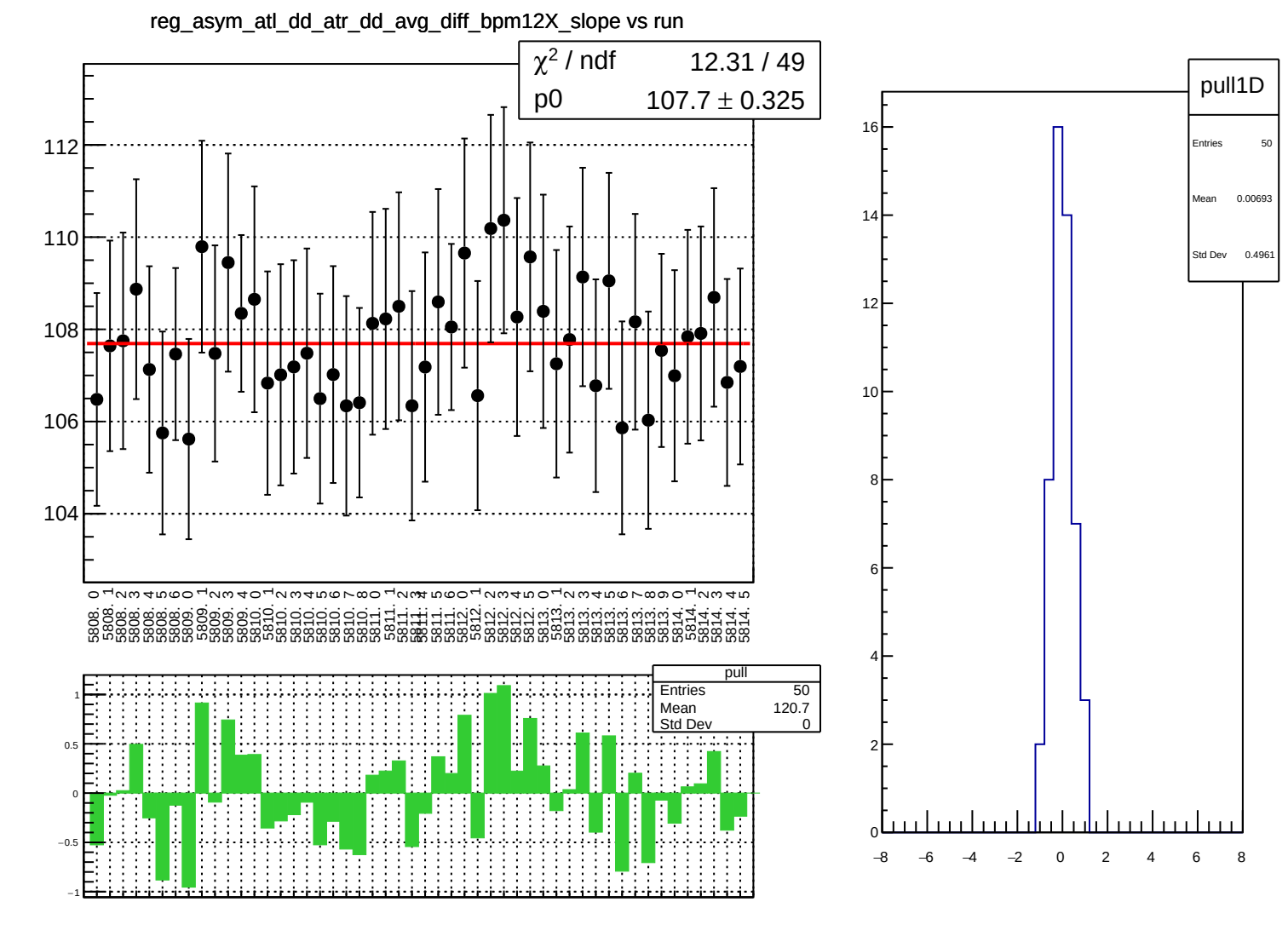

pull1D
Entries 50
Mean 0.01376
Std Dev 0.5228

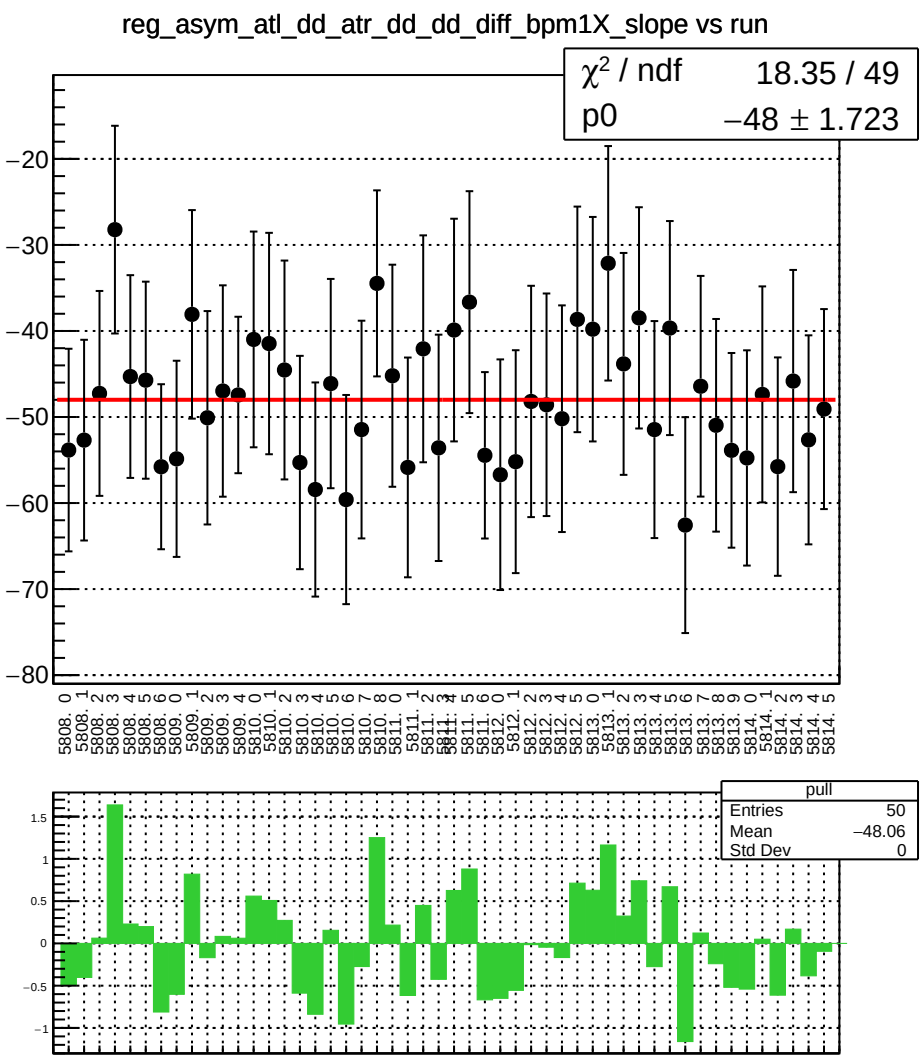

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 11.16 / 49
p0 −2.417 ± 4.729
pull
Entries 50
Mean −87.67
Std Dev 0
pull1D
Entries 50
Mean −0.009415
Std Dev 0.4724

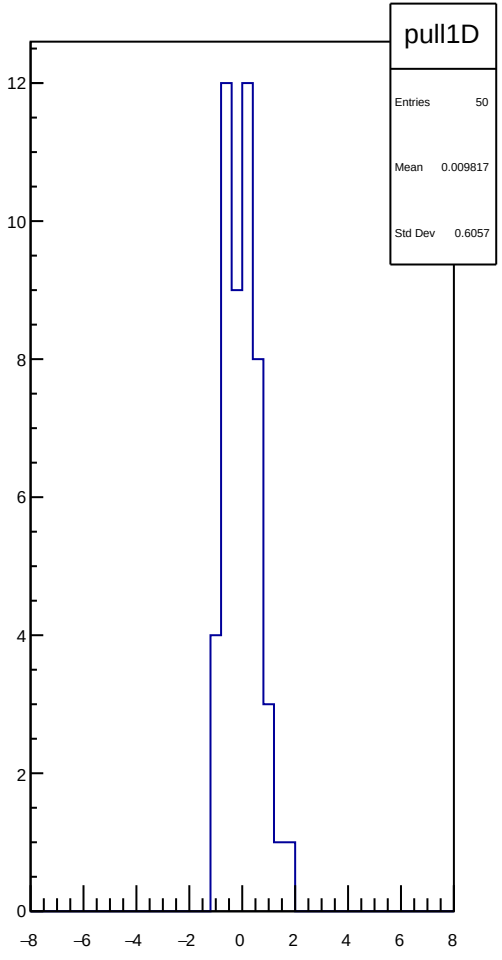

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 11.39 / 49
p0 −265.5 ± 4.247
pull
Entries 50
Mean 188.7
Std Dev 0

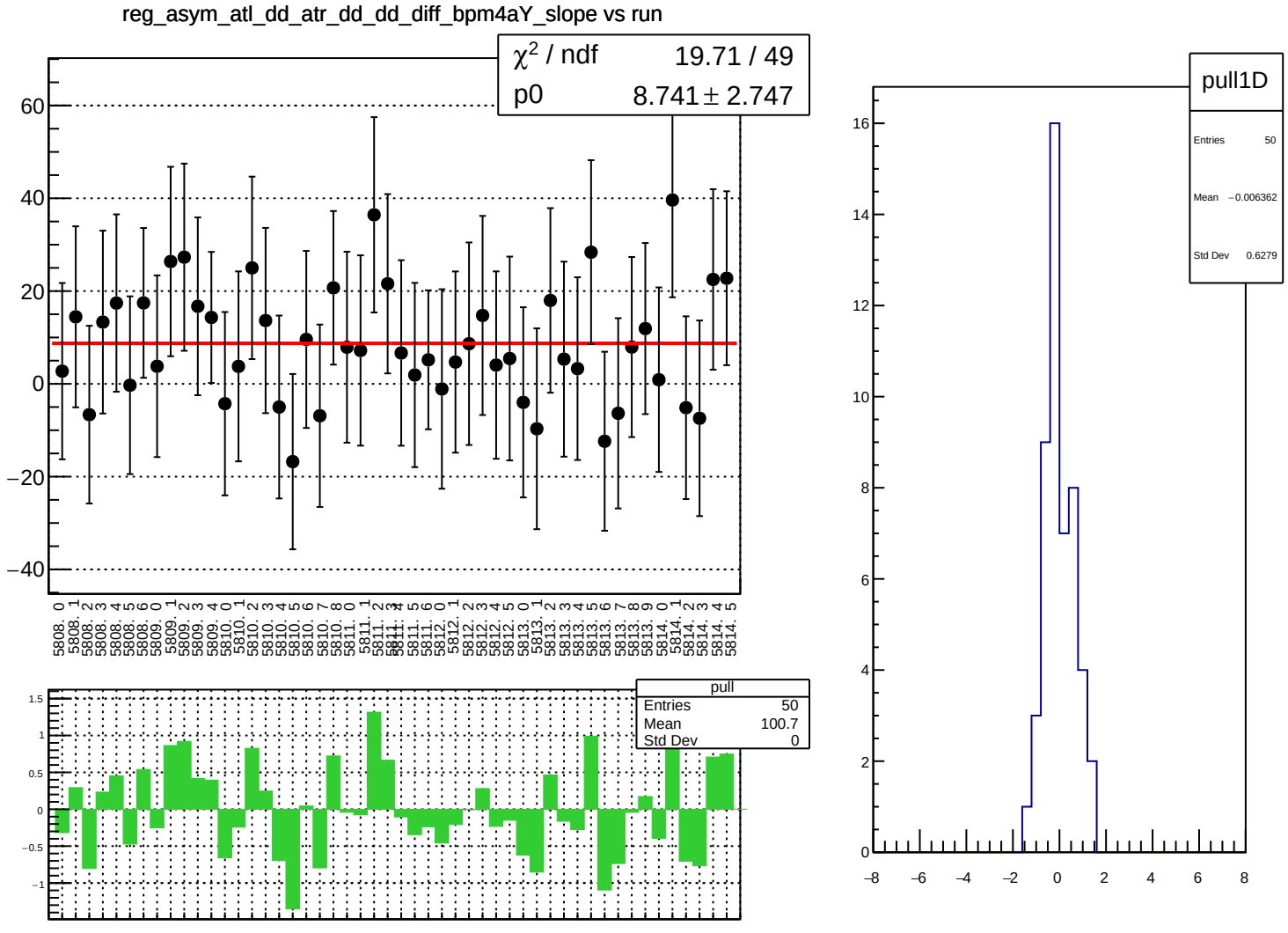

pull1D
Entries 50
Mean −0.007965
Std Dev 0.4771

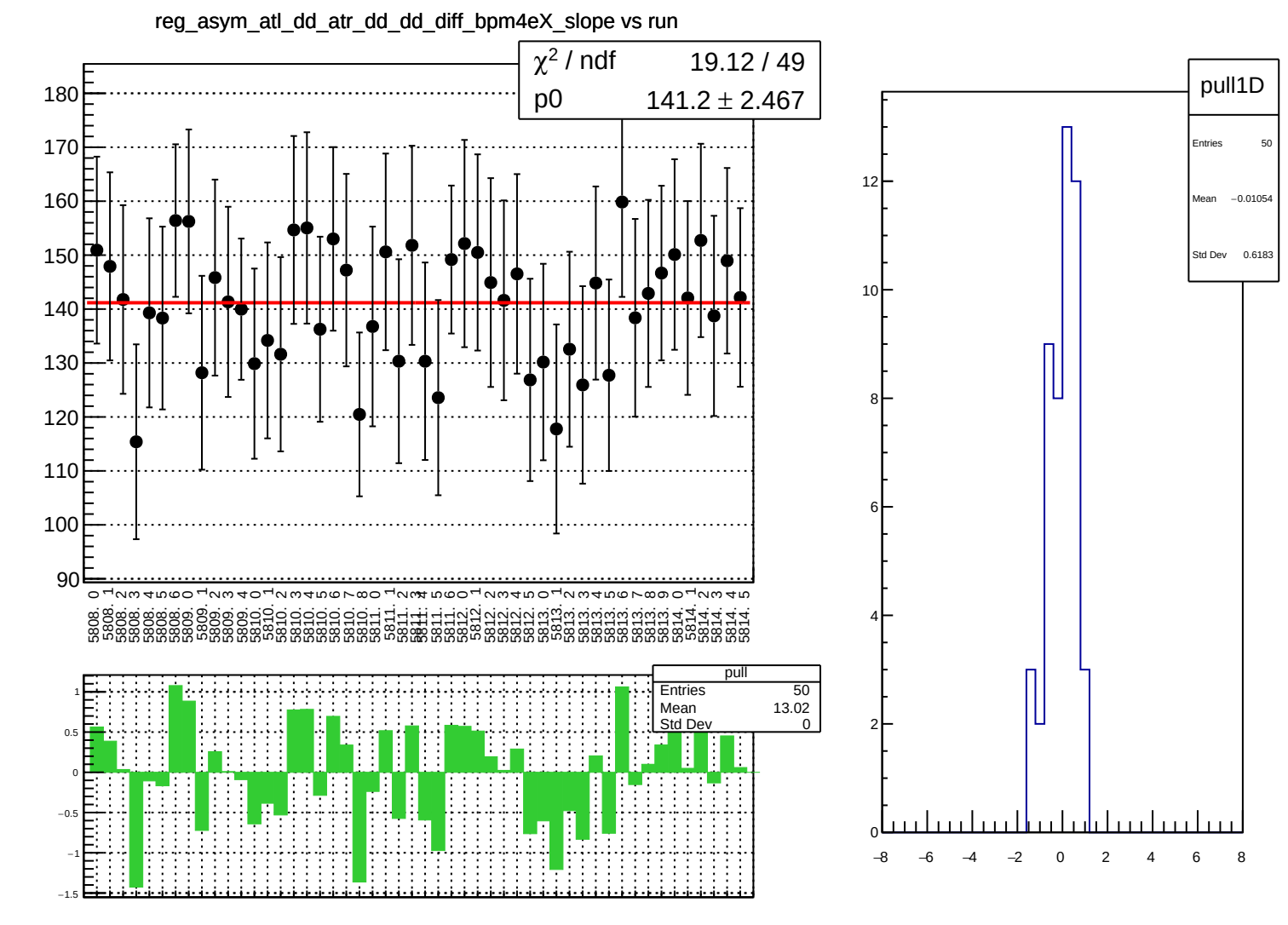

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.23 / 49
p0 −61.96 ± 5.178
pull
Entries 50
Mean −34.83
Std Dev 0
pull1D
Entries 50
Mean 0.01019
Std Dev 0.4738

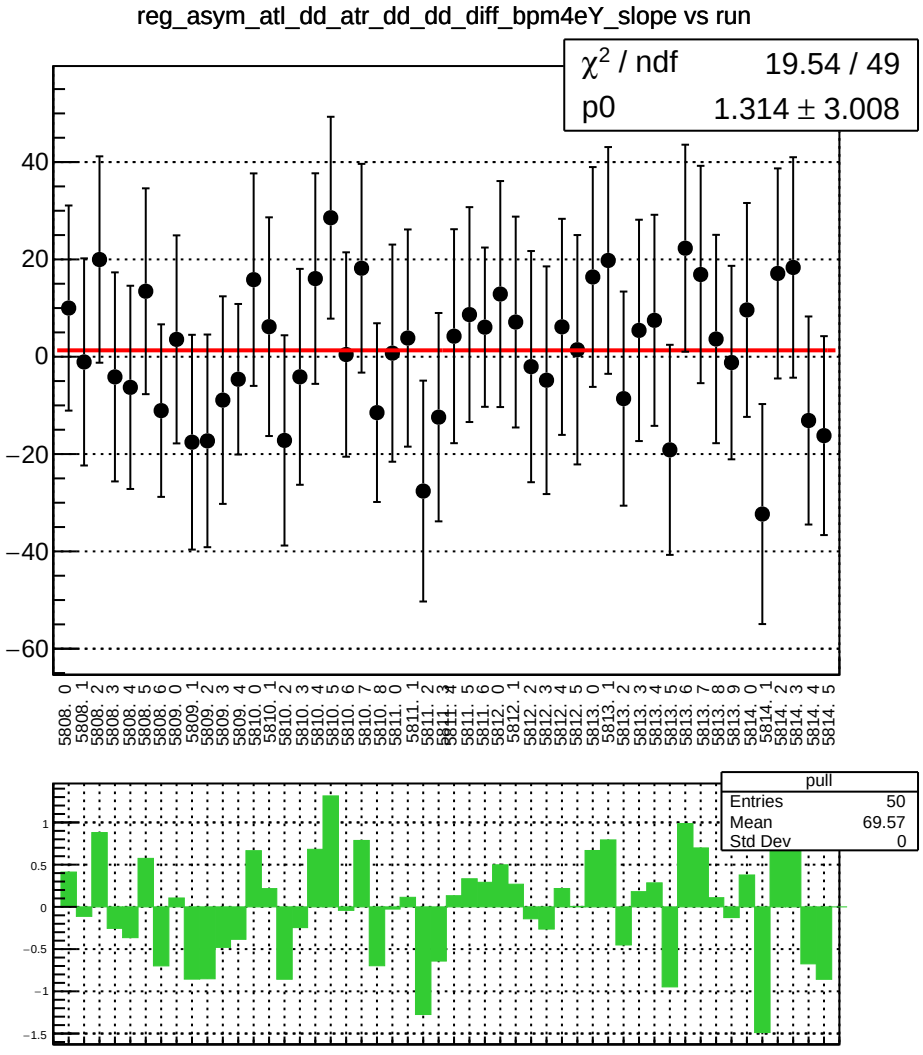

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 12.31 / 49
p0 107.7 ± 0.325
112
110
108
106
104
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 120.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.00693
Std Dev 0.4961
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

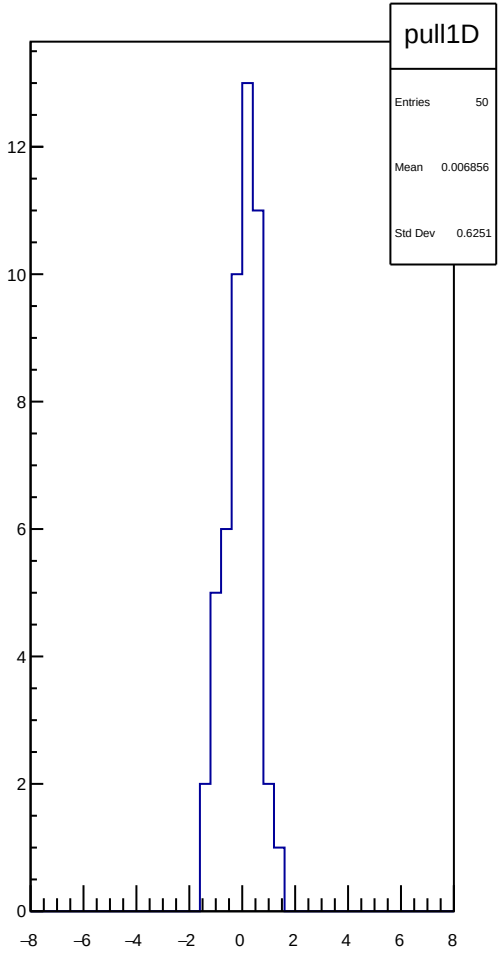

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 18.35 / 49
p0 −48 ± 1.723
pull
Entries 50
Mean −48.06
Std Dev 0

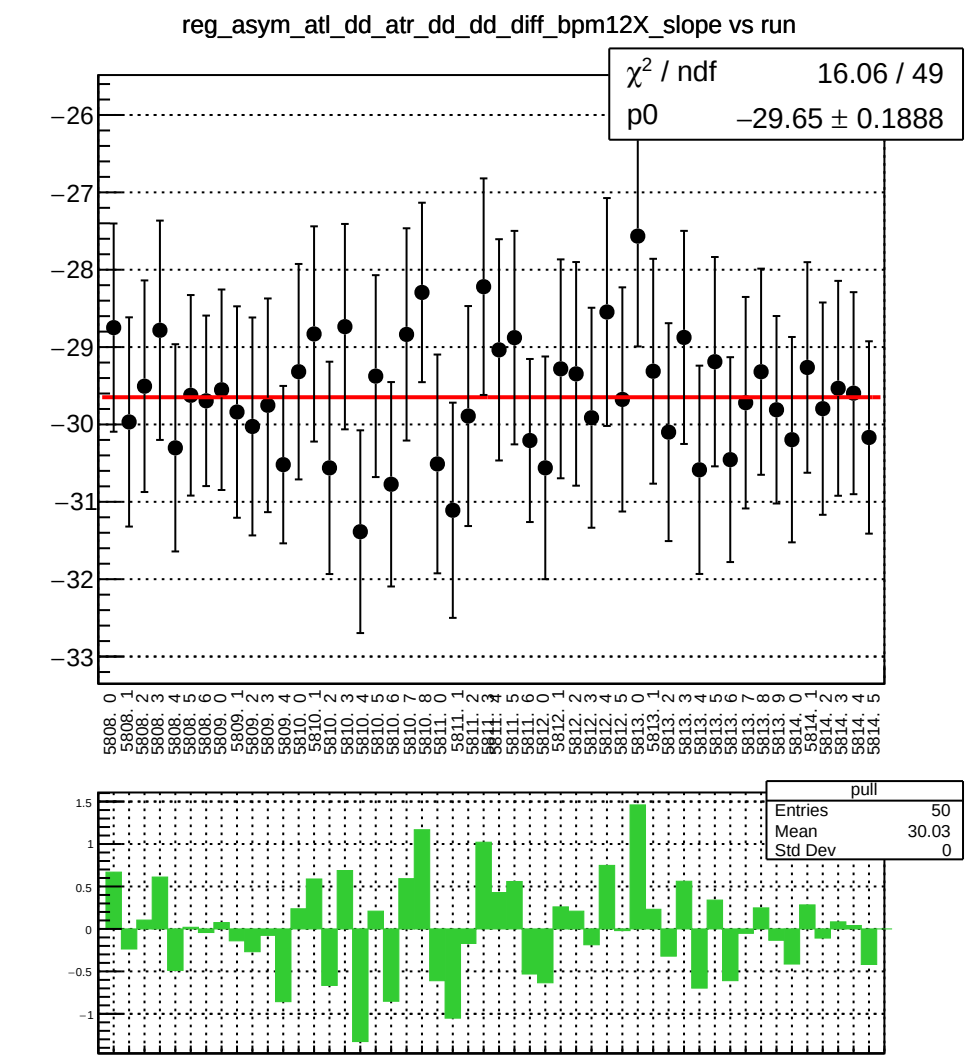

pull1D
Entries 50
Mean 0.009817
Std Dev 0.6057

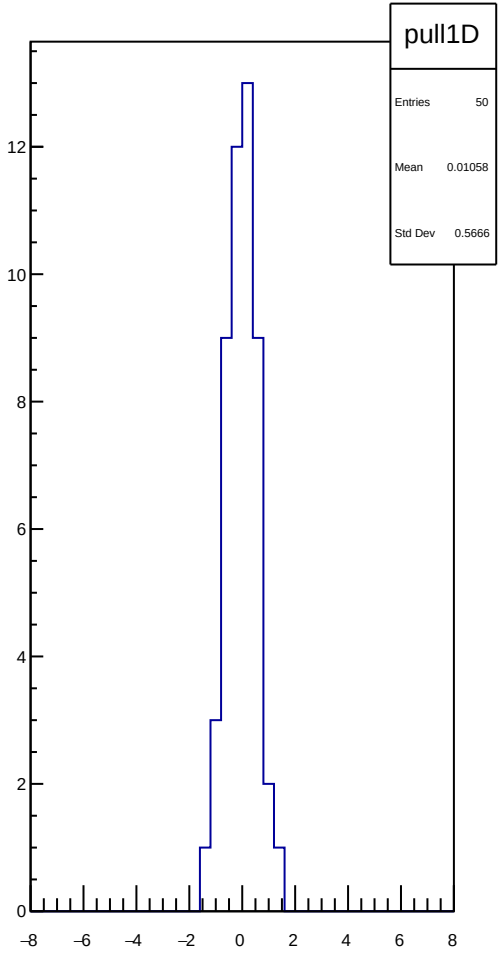

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.71 / 49
p0 8.741 ± 2.747
pull
Entries 50
Mean 100.7
Std Dev 0
pull1D
Entries 50
Mean −0.006362
Std Dev 0.6279

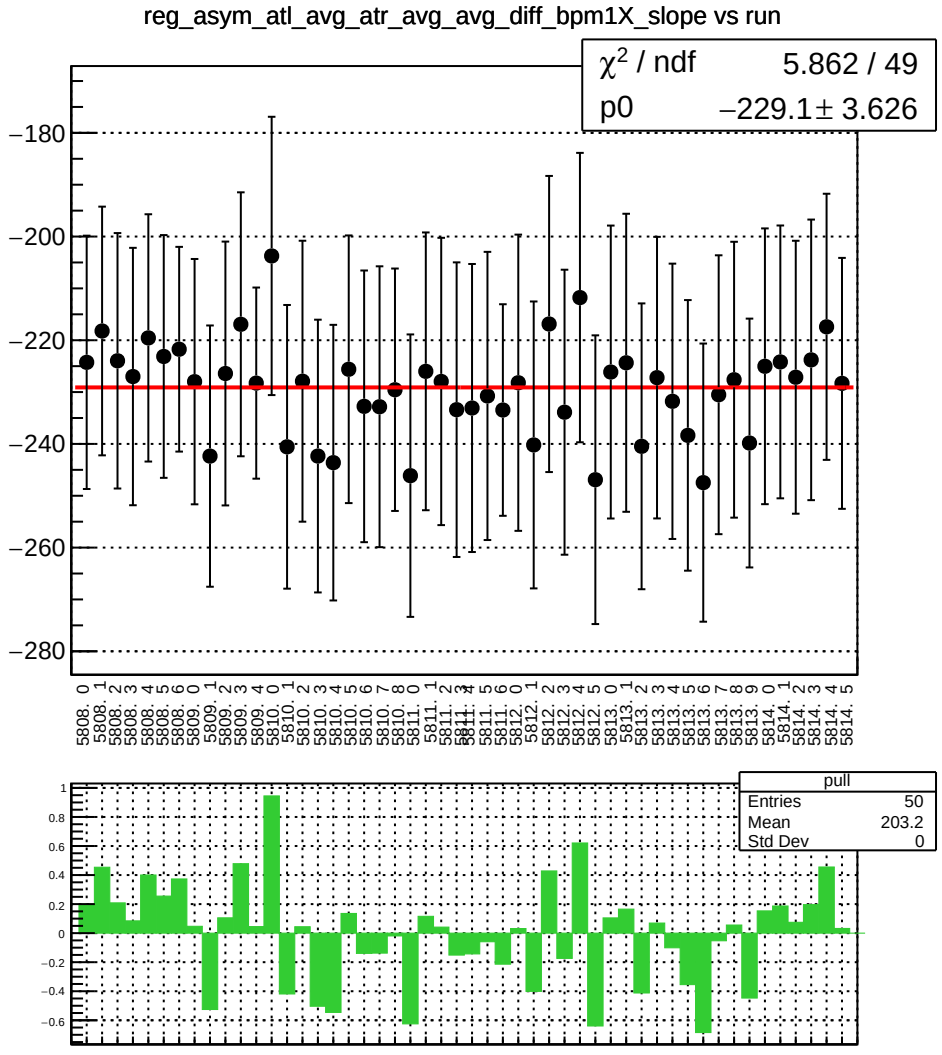

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 19.12 / 49
p0 141.2 ± 2.467
pull
Entries 50
Mean 13.02
Std Dev 0
pull1D
Entries 50
Mean −0.01054
Std Dev 0.6183

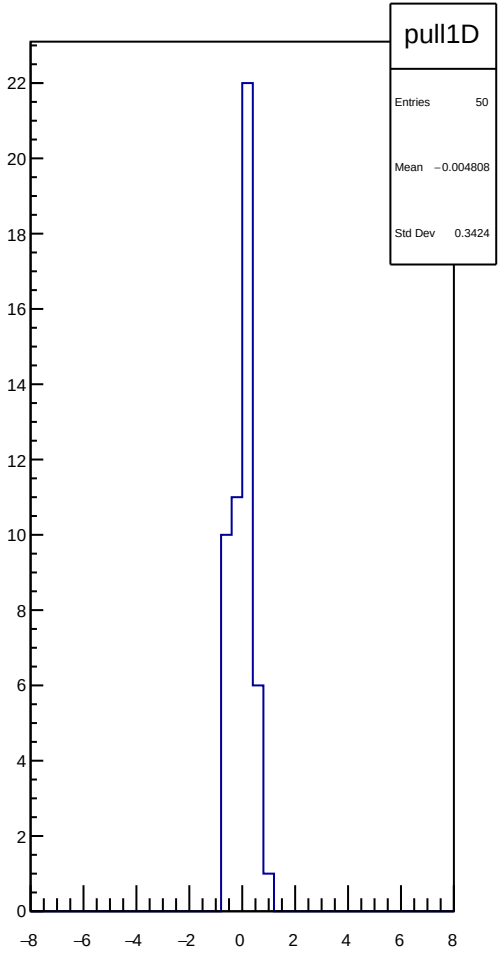

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 19.54 / 49
p0 1.314 ± 3.008
pull
Entries 50
Mean 69.57
Std Dev 0

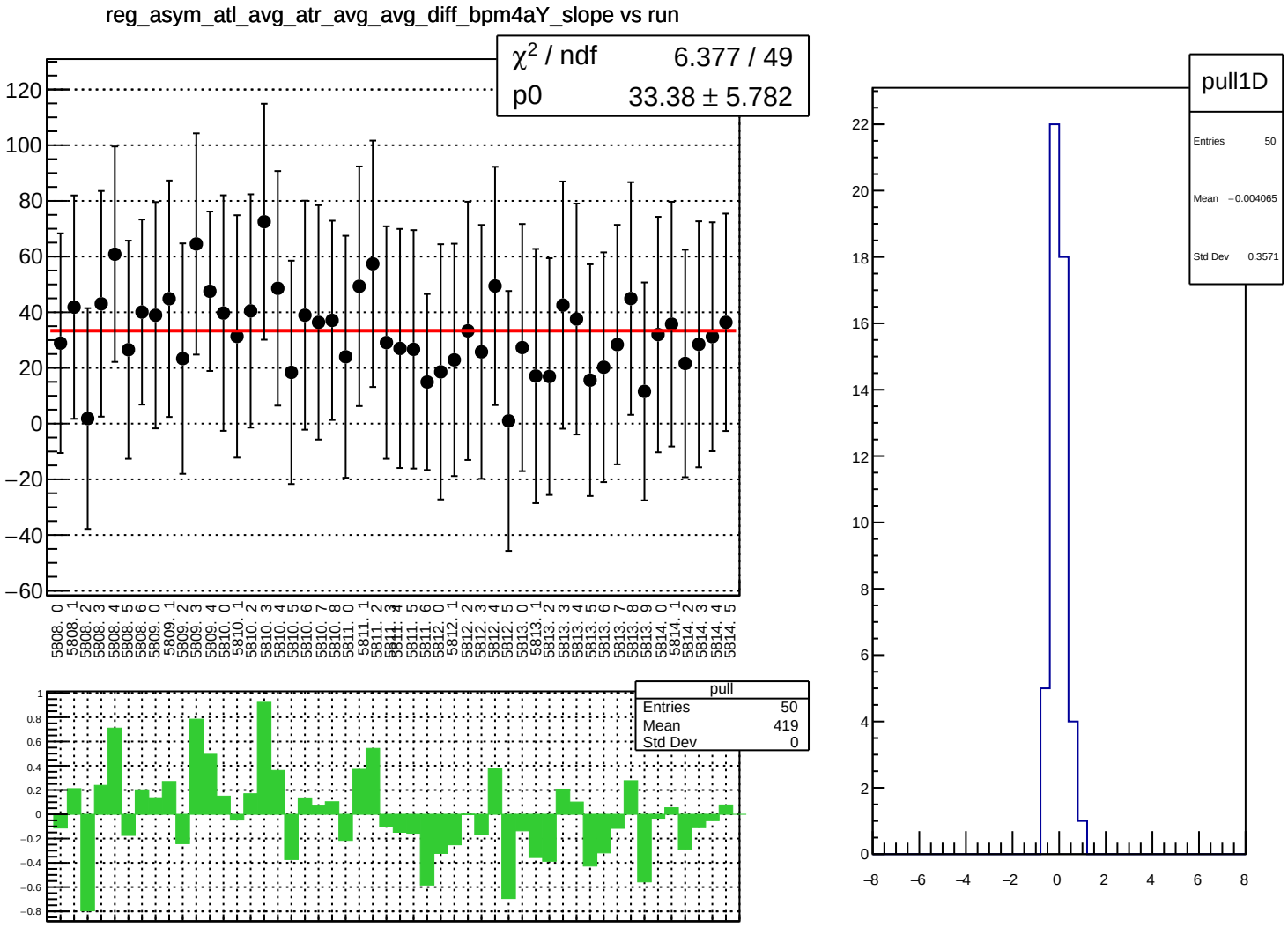

pull1D
Entries 50
Mean 0.006856
Std Dev 0.6251

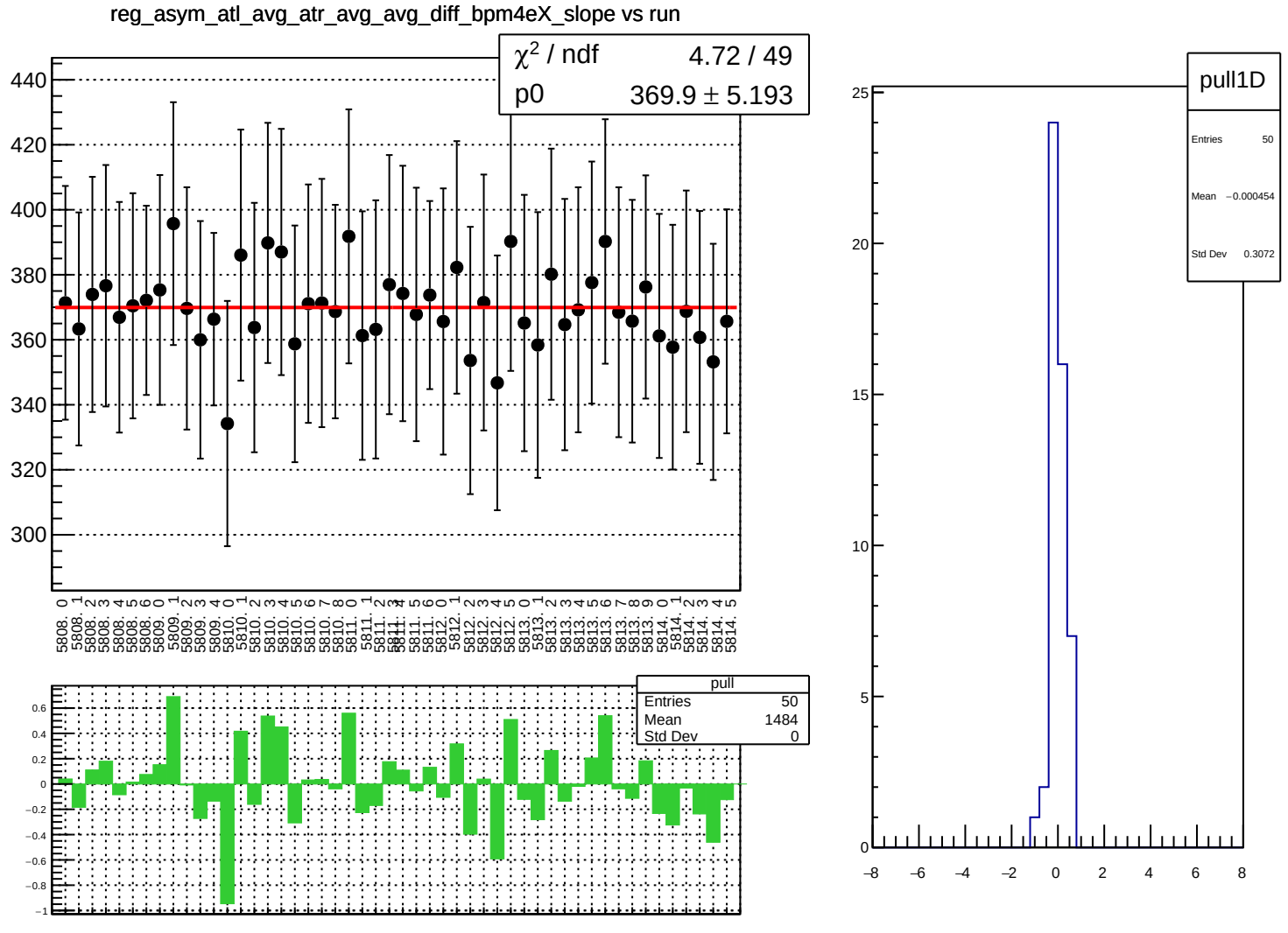

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 16.06 / 49
p0 −29.65 ± 0.1888
pull
Entries 50
Mean 30.03
Std Dev 0

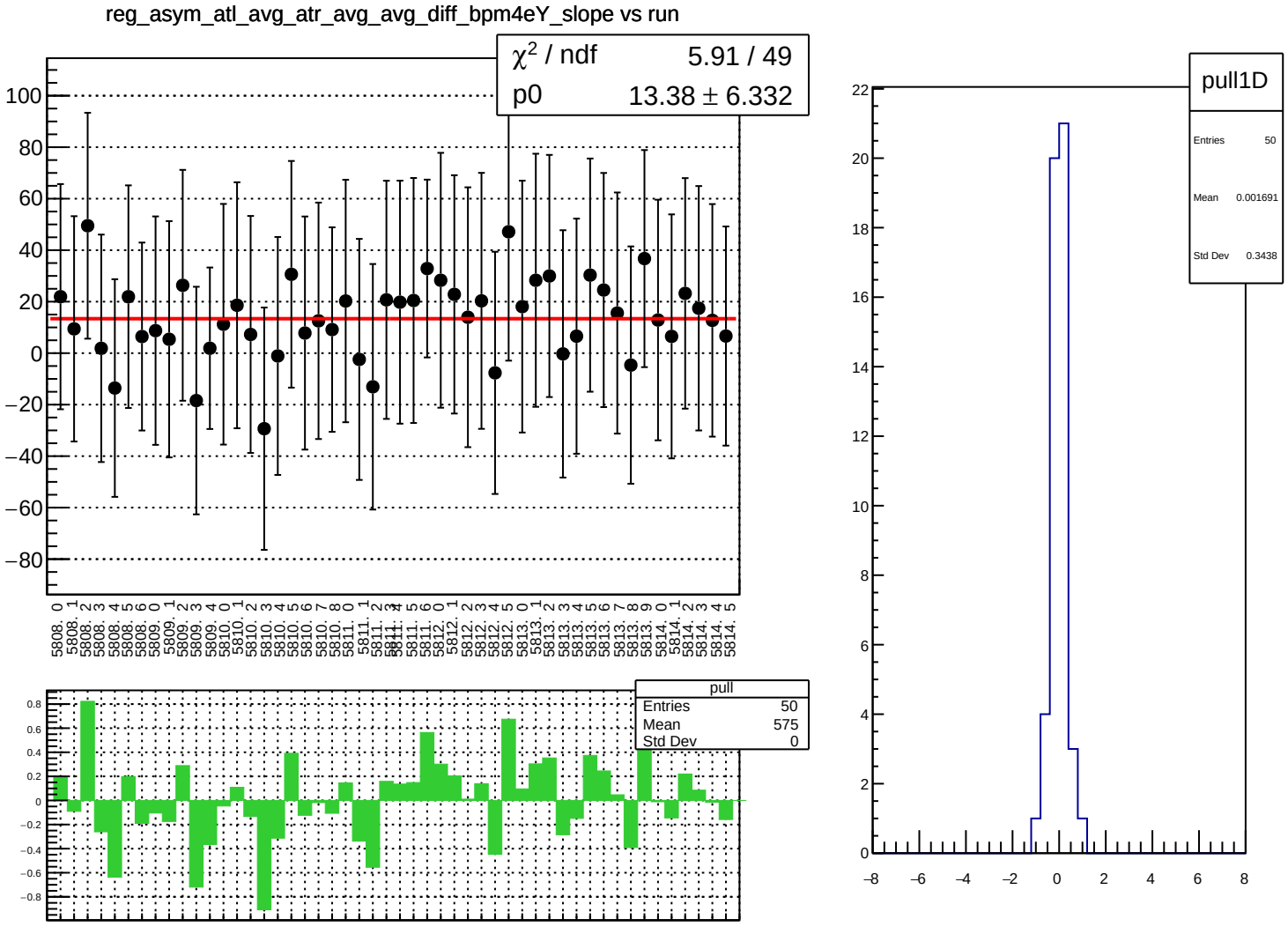

pull1D
Entries 50
Mean 0.01058
Std Dev 0.5666

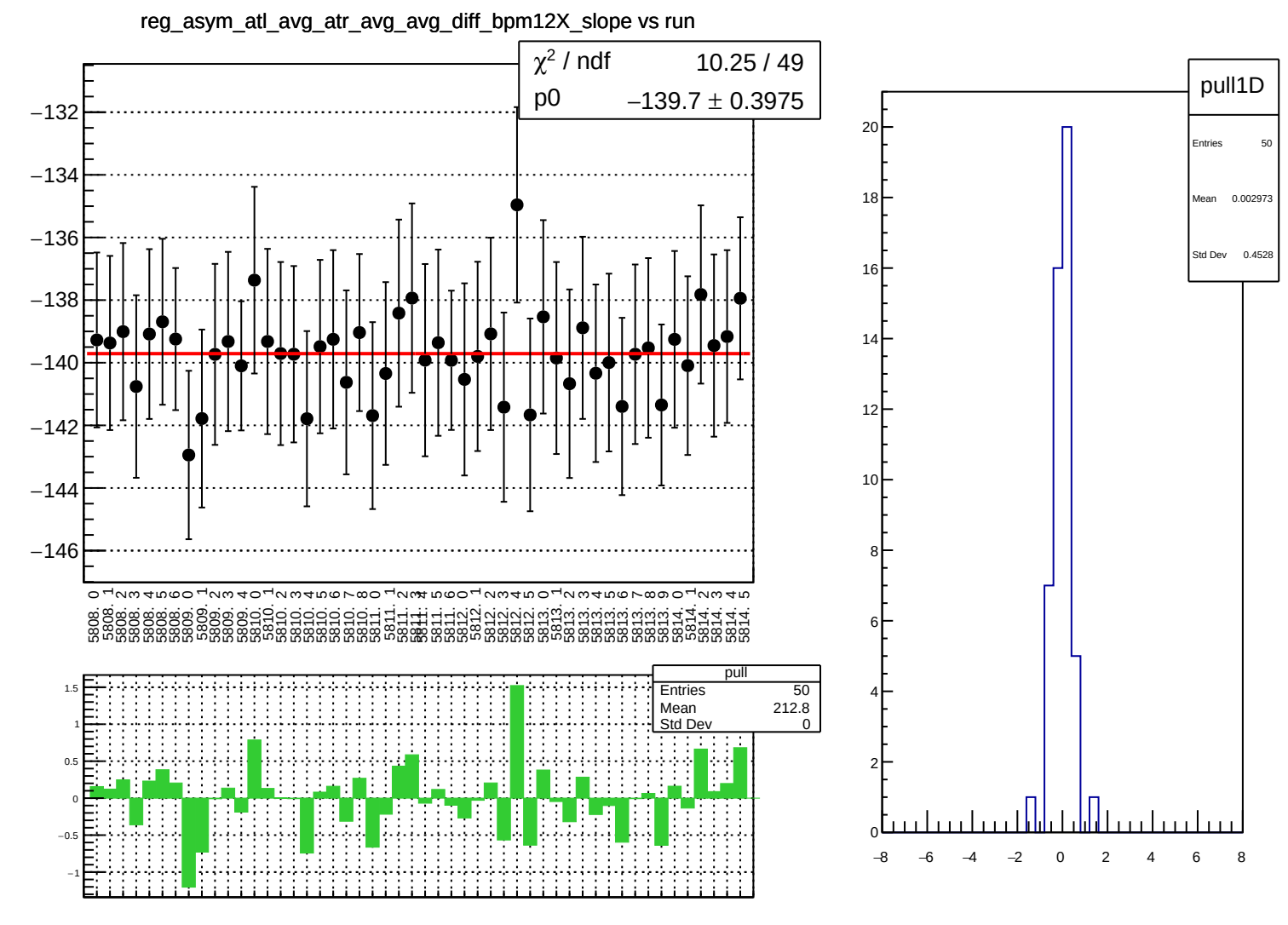

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 5.862 / 49
p0 −229.1± 3.626
pull
Entries 50
Mean 203.2
Std Dev 0

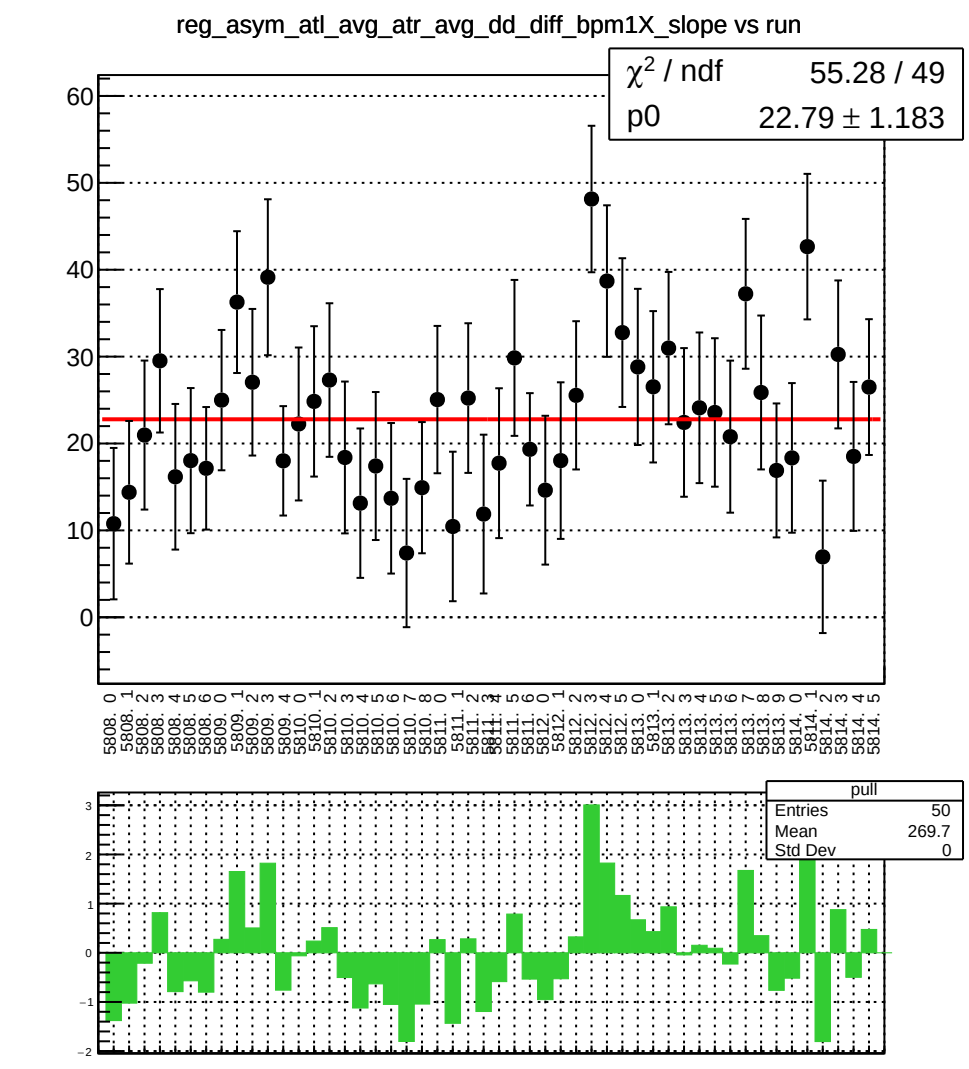

pull1D
Entries 50
Mean −0.004808
Std Dev 0.3424

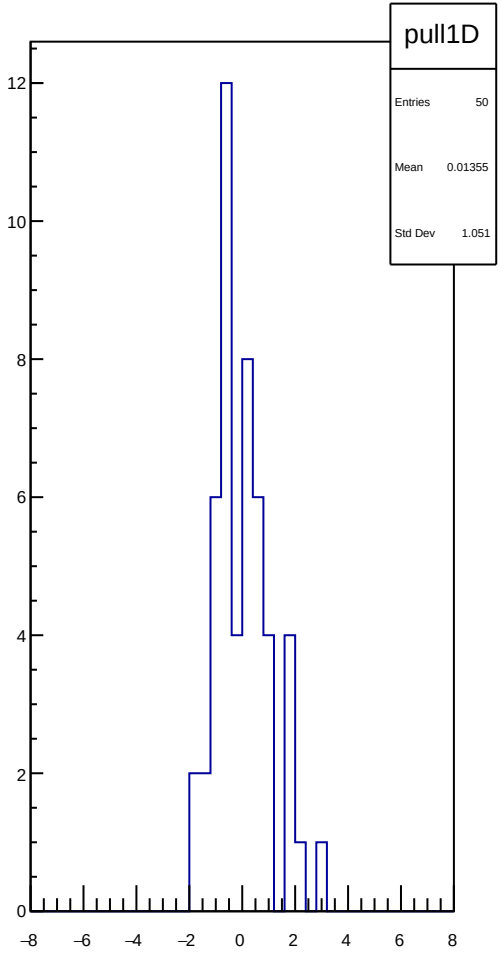

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.377 / 49
p0 33.38 ± 5.782
pull
Entries 50
Mean 419
Std Dev 0
pull1D
Entries 50
Mean −0.004065
Std Dev 0.3571

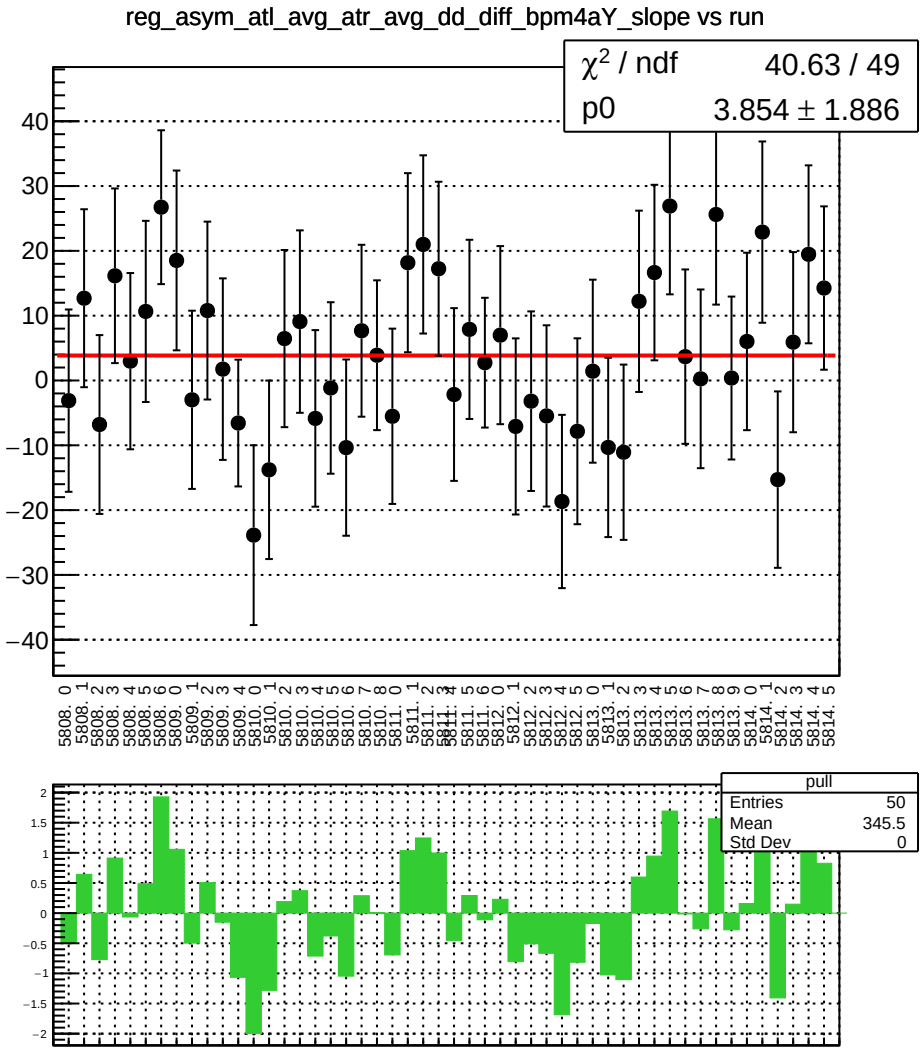

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.72 / 49
p0 369.9 ± 5.193
pull
Entries 50
Mean 1484
Std Dev 0
pull1D
Entries 50
Mean −0.000454
Std Dev 0.3072

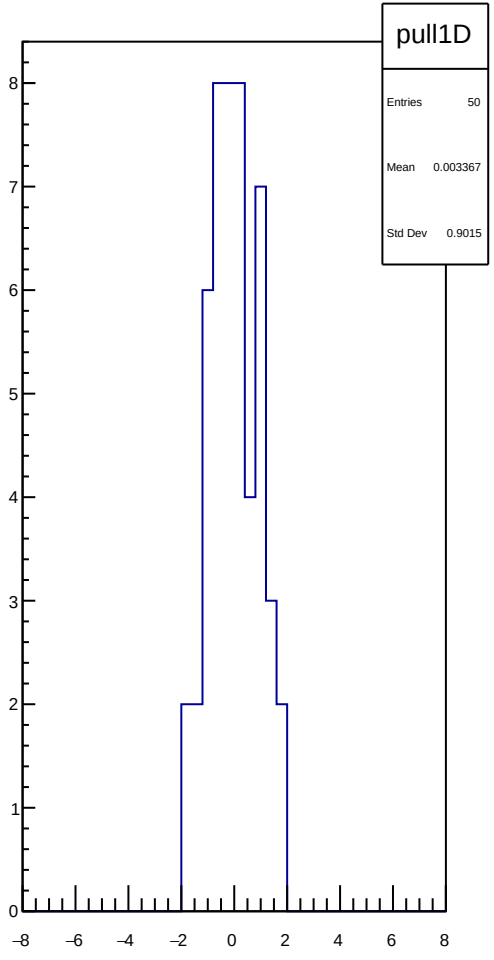

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.91 / 49
p0 13.38 ± 6.332
pull
Entries 50
Mean 575
Std Dev 0
pull1D
Entries 50
Mean 0.001691
Std Dev 0.3438

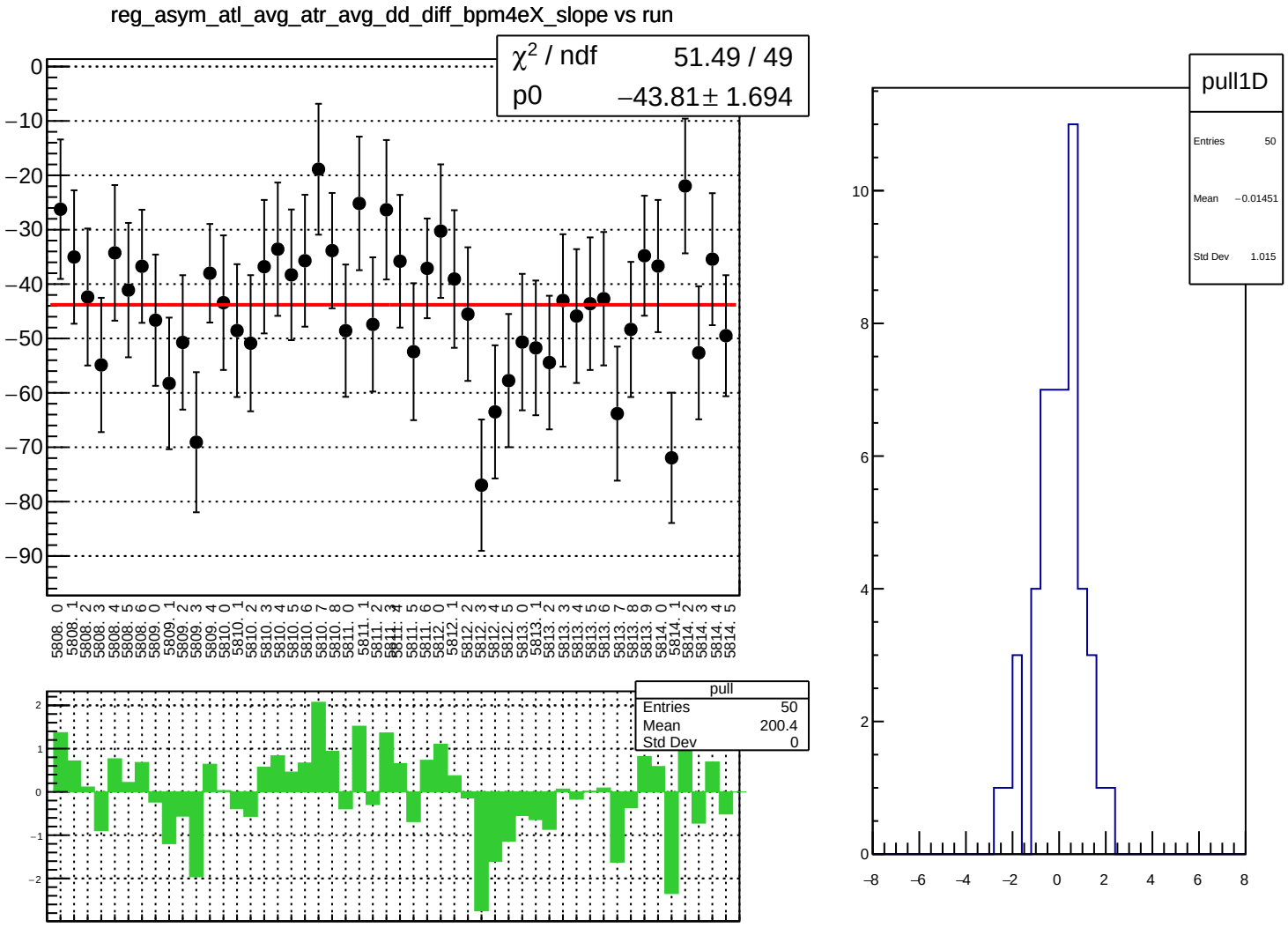

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 10.25 / 49
p0 −139.7 ± 0.3975
pull
Entries 50
Mean 212.8
Std Dev 0
pull1D
Entries 50
Mean 0.002973
Std Dev 0.4528

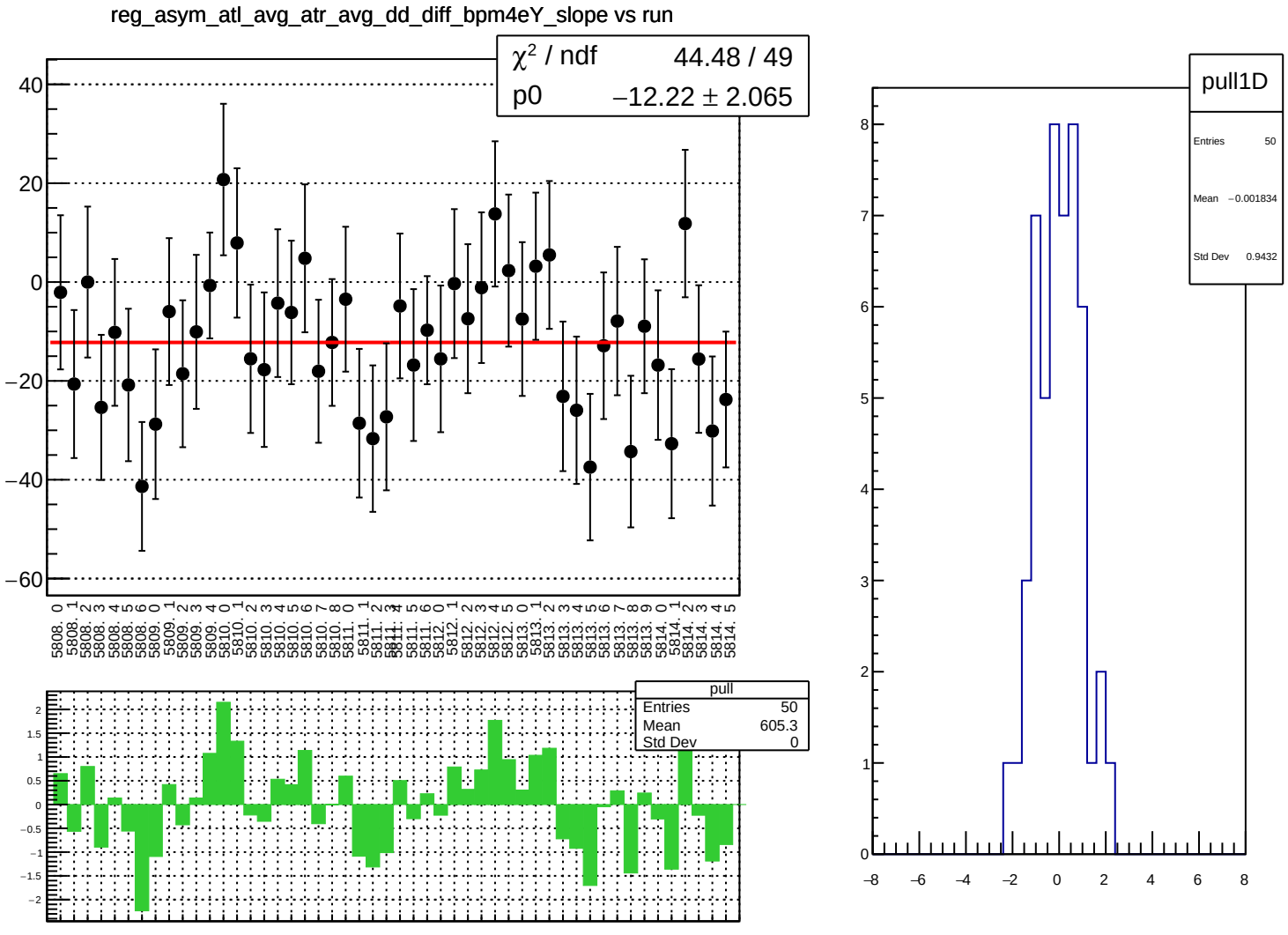

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 55.28 / 49
p0 22.79 ± 1.183
pull
Entries 50
Mean 269.7
Std Dev 0

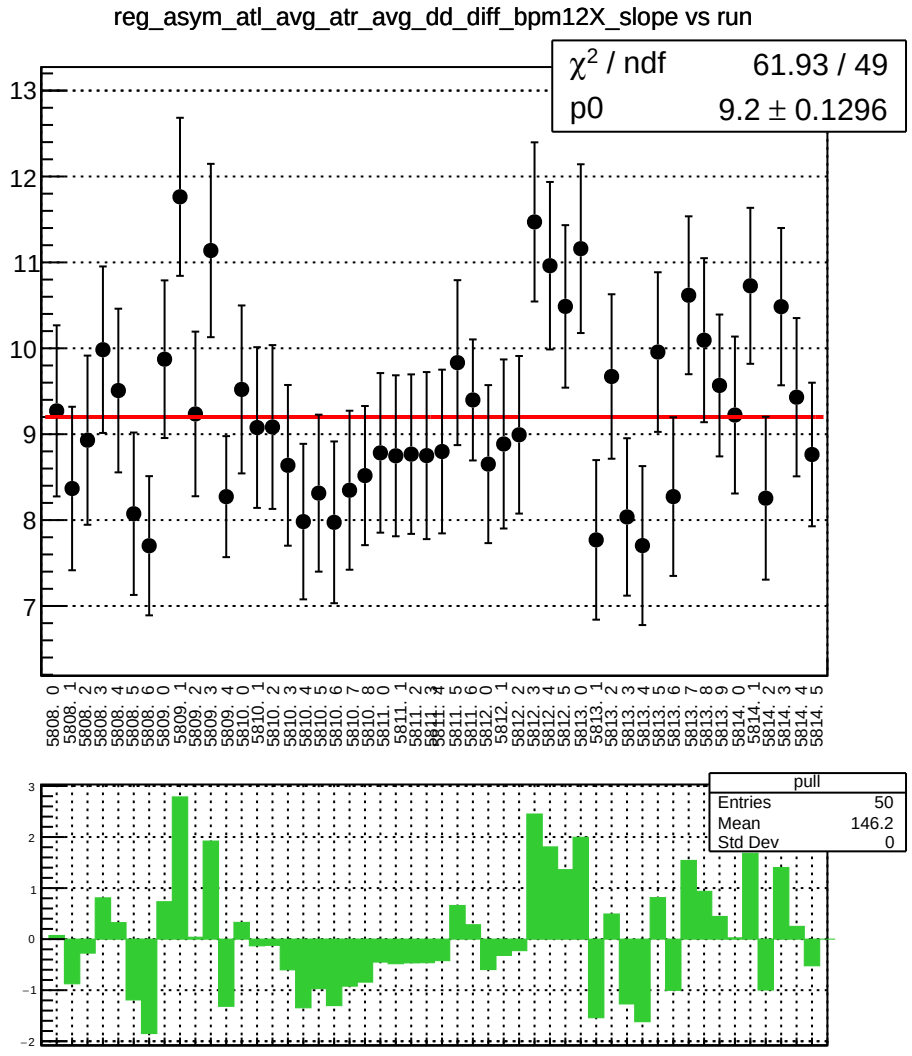

pull1D
Entries 50
Mean 0.01355
Std Dev 1.051

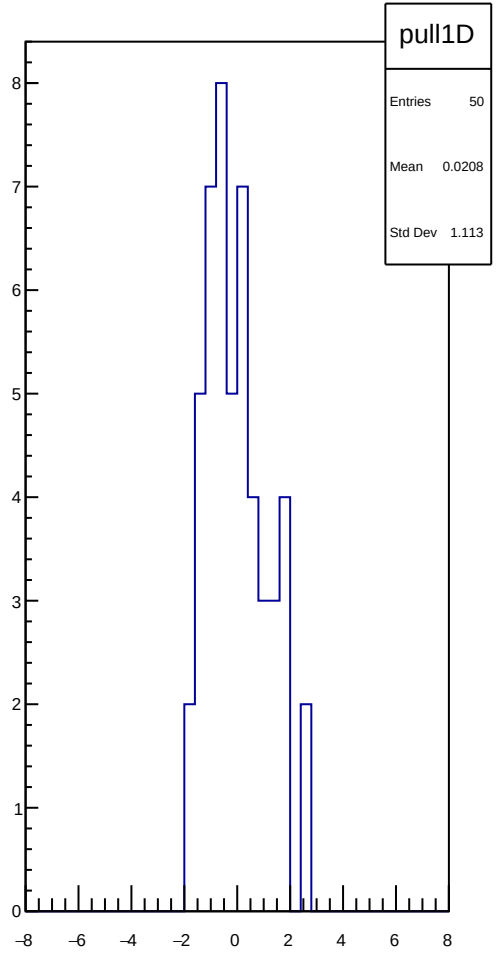

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 40.63 / 49
p0 3.854 ± 1.886
pull
Entries 50
Mean 345.5
Std Dev 0

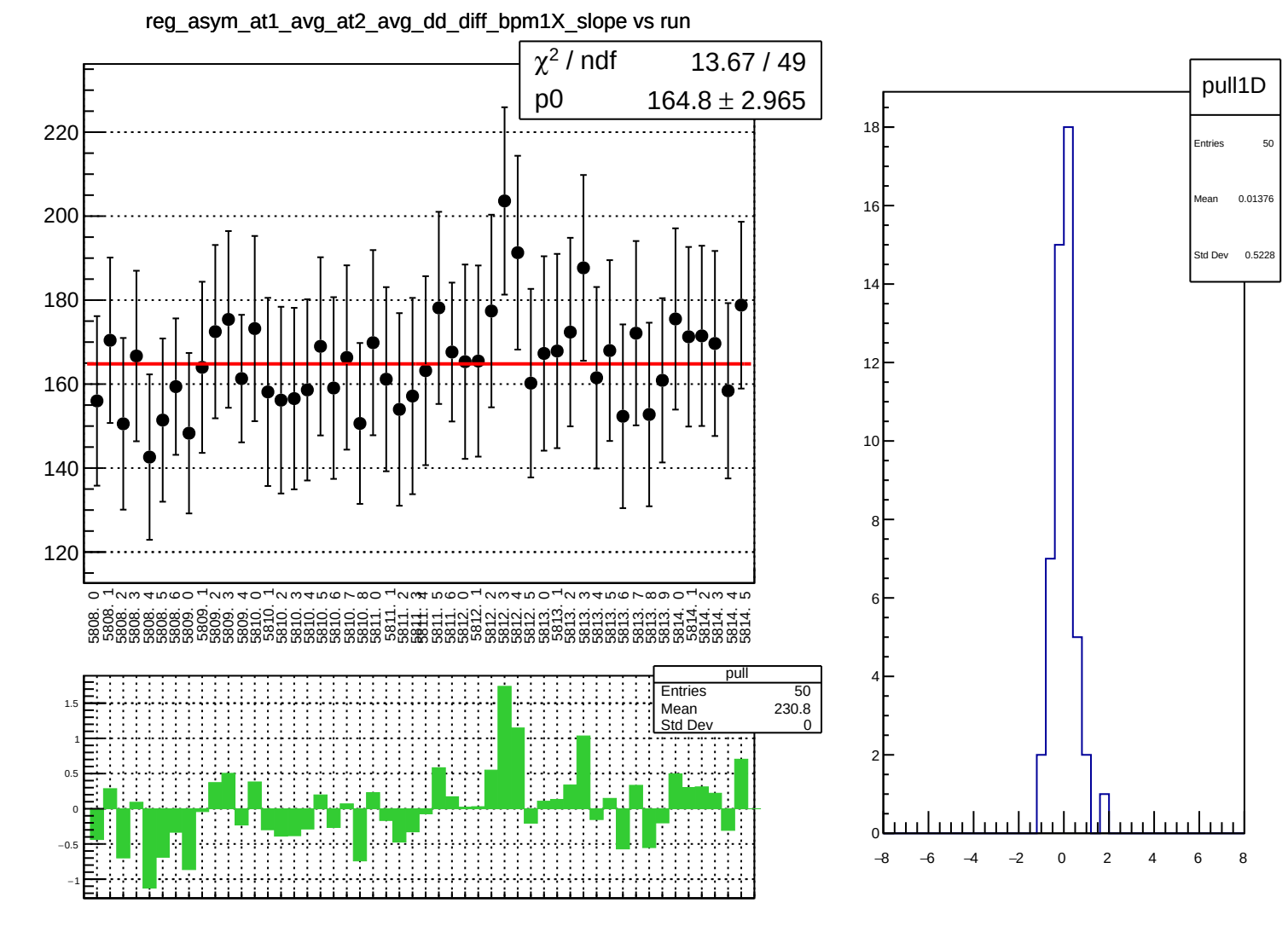

pull1D
Entries 50
Mean 0.003367
Std Dev 0.9015

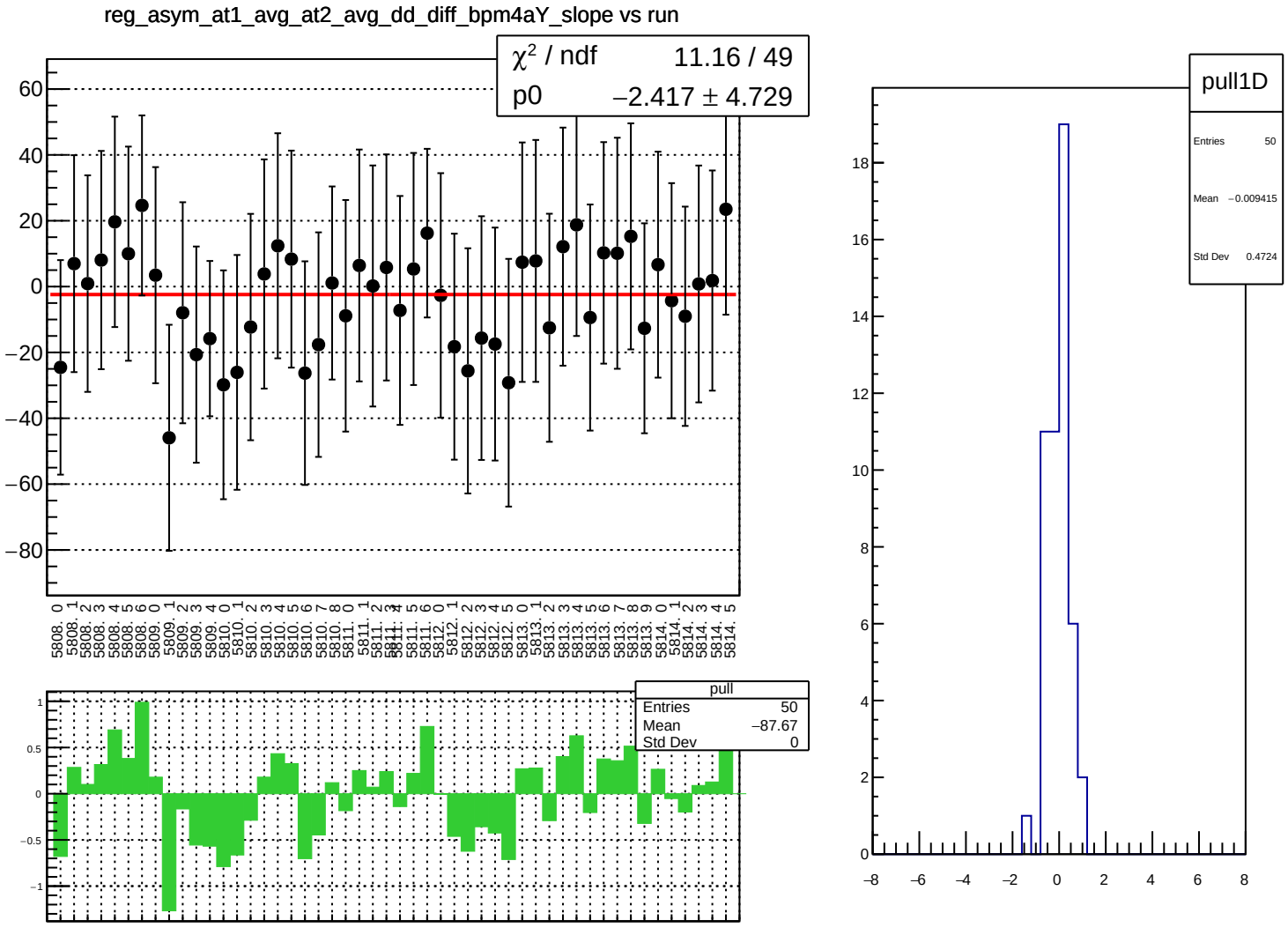

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 51.49 / 49
p0 −43.81 ± 1.694
pull
Entries 50
Mean 200.4
Std Dev 0
pull1D
Entries 50
Mean −0.01451
Std Dev 1.015

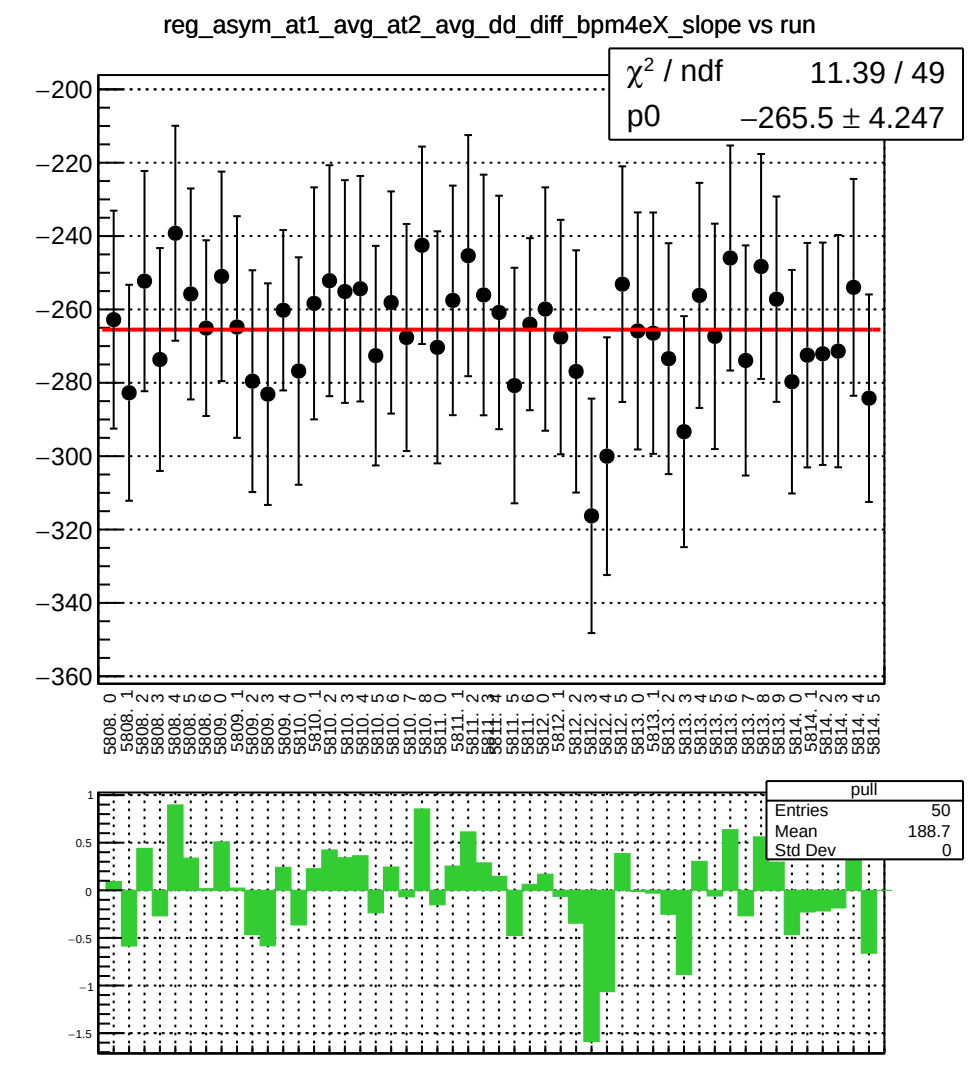

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 44.48 / 49
p0 −12.22 ± 2.065
pull
Entries 50
Mean 605.3
Std Dev 0
pull1D
Entries 50
Mean −0.001834
Std Dev 0.9432

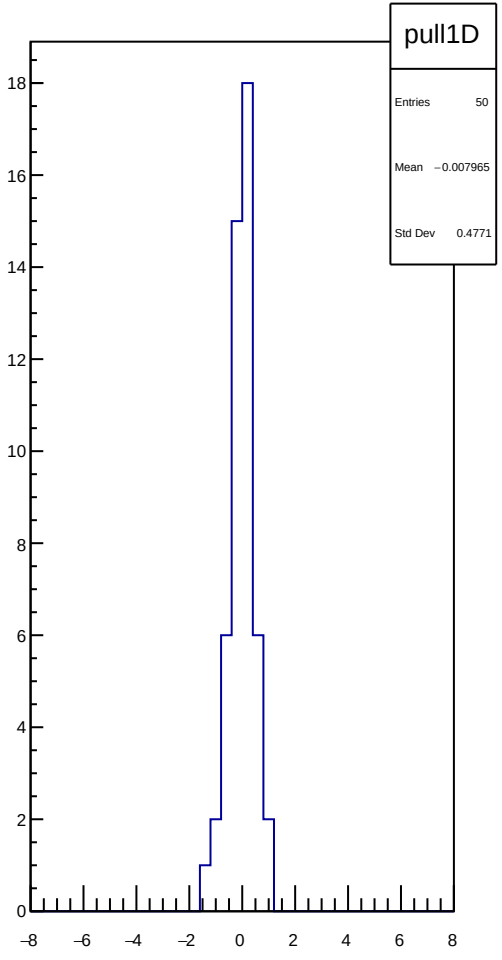

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 61.93 / 49
p0 9.2 ± 0.1296
pull
Entries 50
Mean 146.2
Std Dev 0

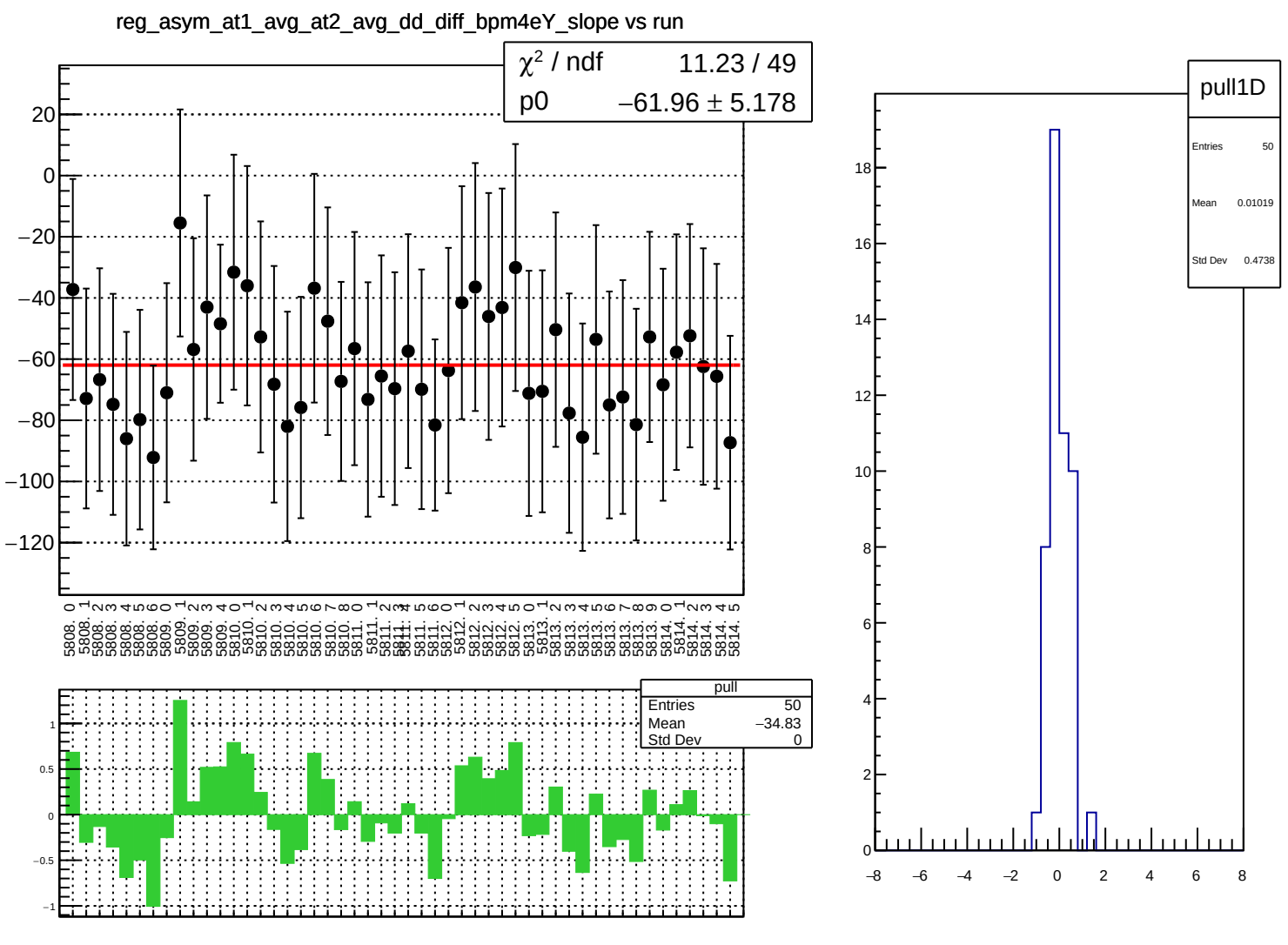

pull1D
Entries 50
Mean 0.0208
Std Dev 1.113

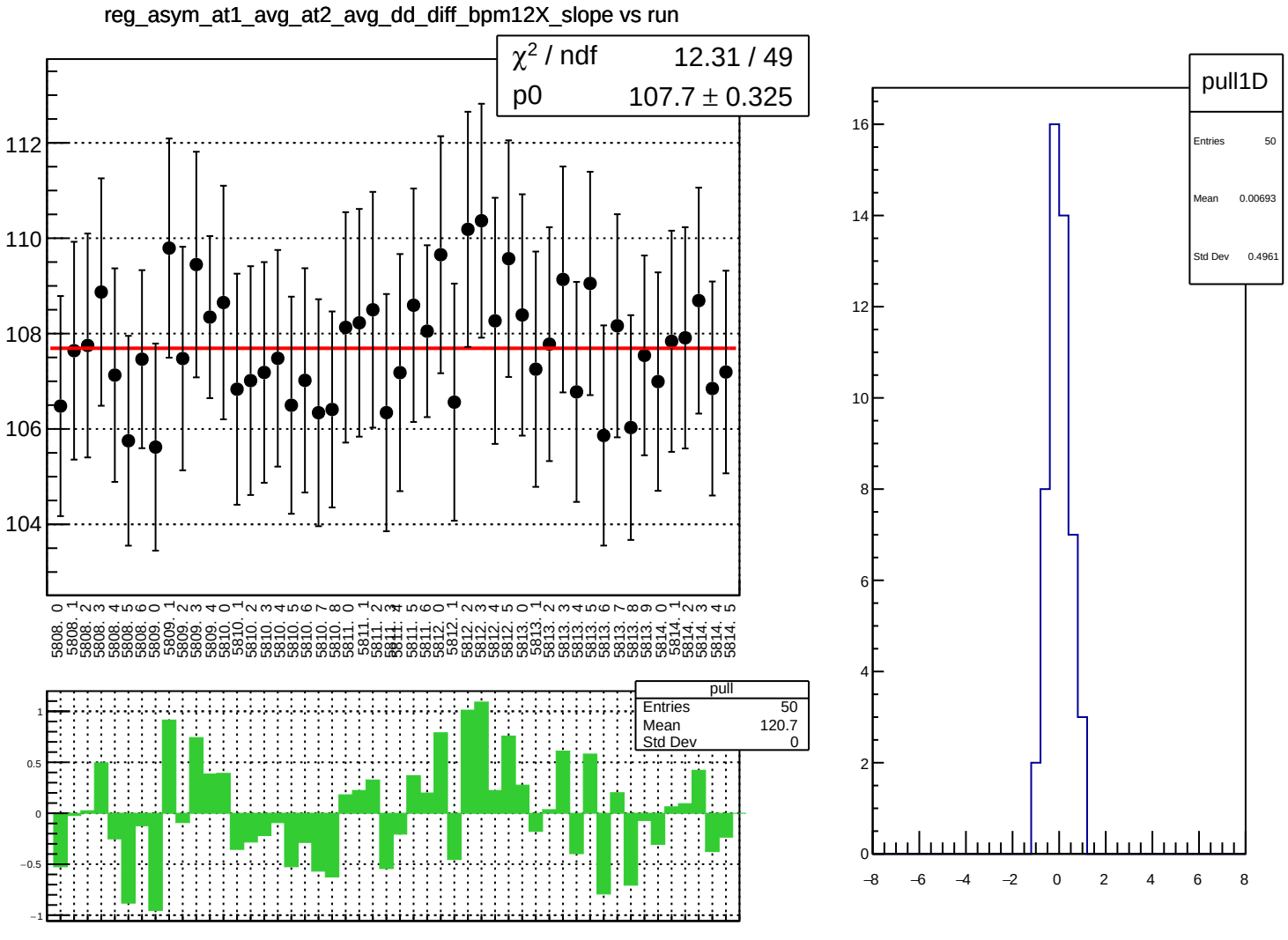

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 13.67 / 49
p0 164.8 ± 2.965
pull
Entries 50
Mean 230.8
Std Dev 0
pull1D
Entries 50
Mean 0.01376
Std Dev 0.5228

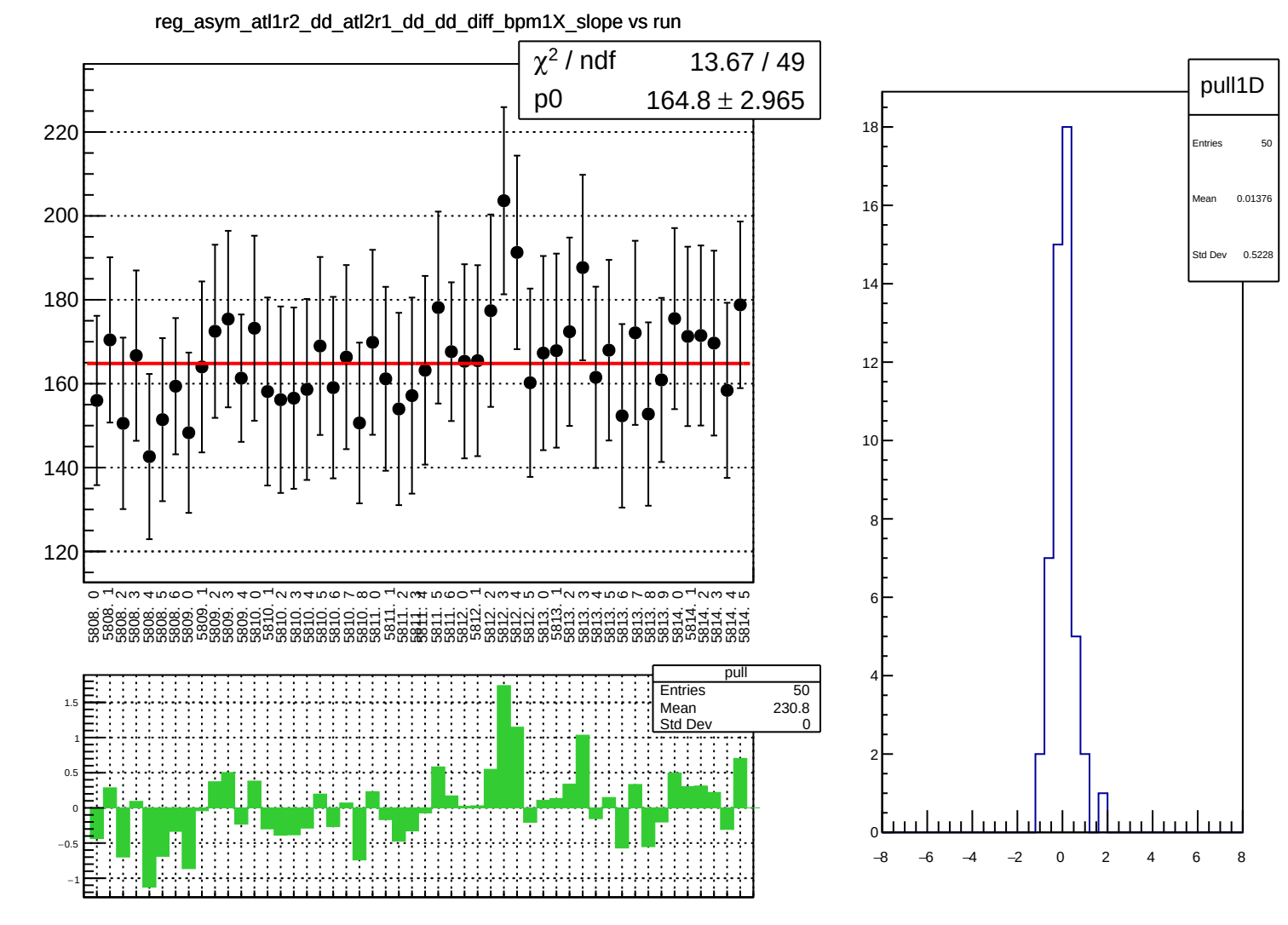

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.16 / 49
p0 −2.417 ± 4.729
pull
Entries 50
Mean −87.67
Std Dev 0
pull1D
Entries 50
Mean −0.009415
Std Dev 0.4724

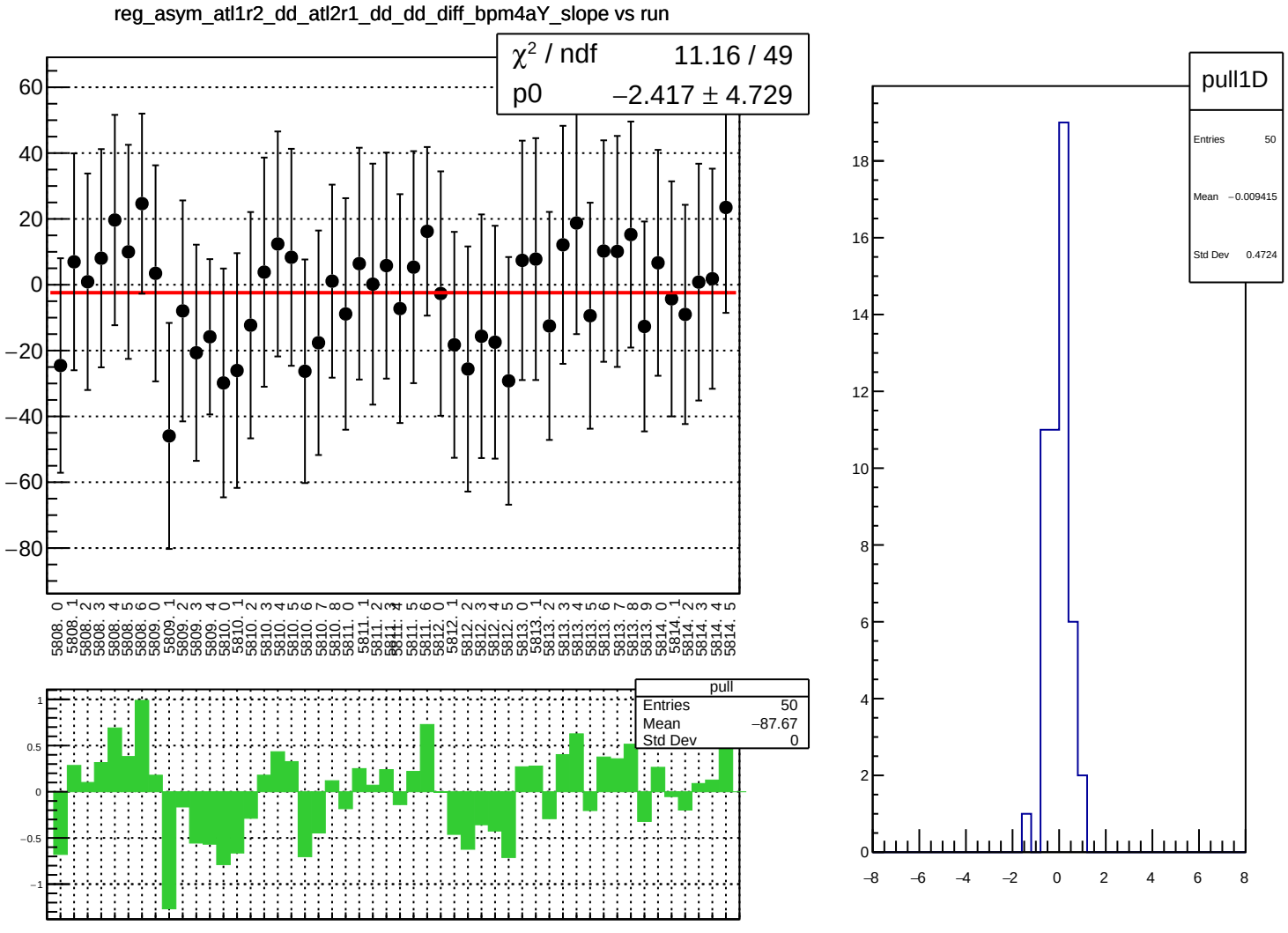

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.39 / 49
p0 −265.5 ± 4.247
pull
Entries 50
Mean 188.7
Std Dev 0

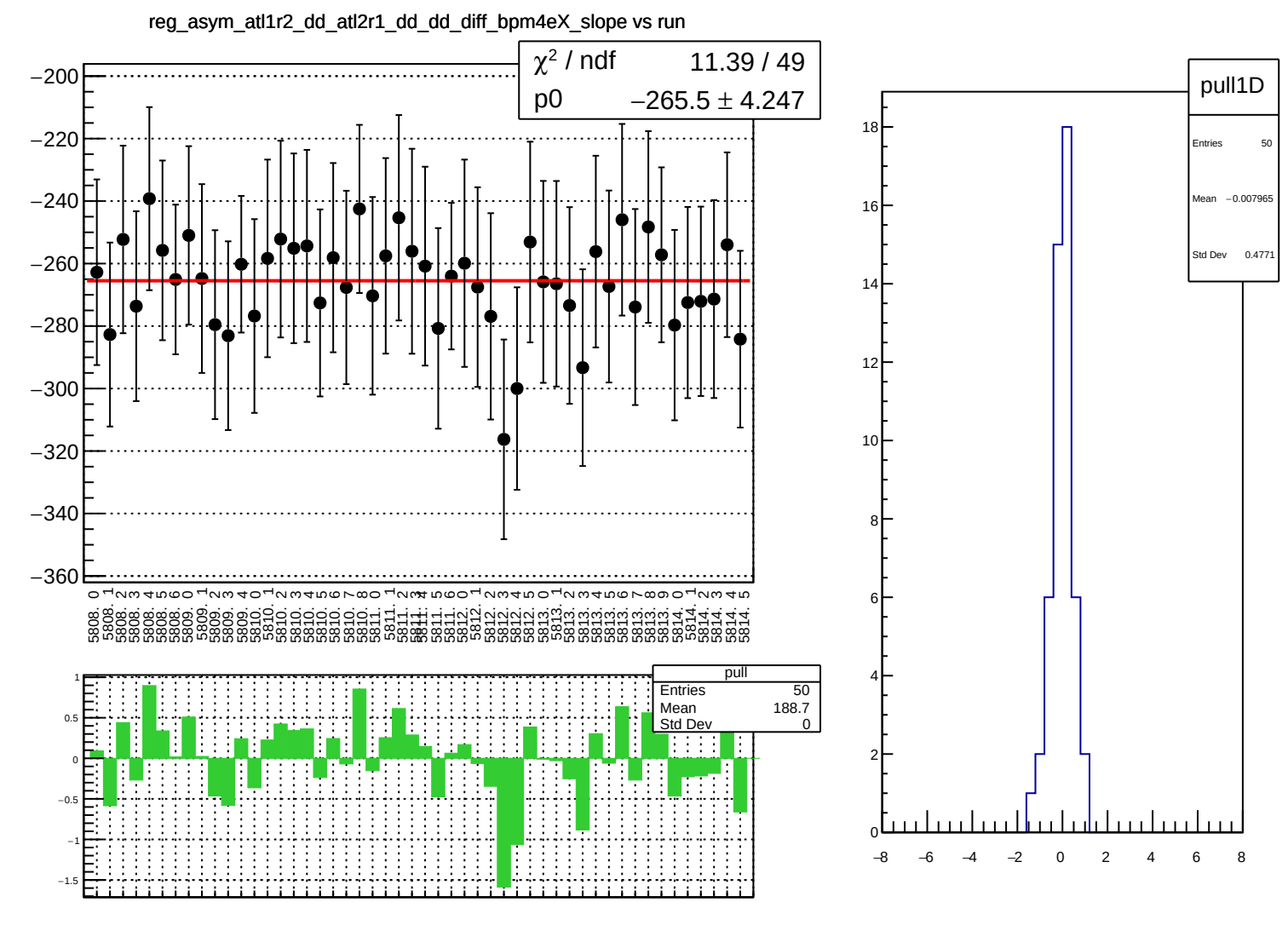

pull1D
Entries 50
Mean −0.007965
Std Dev 0.4771

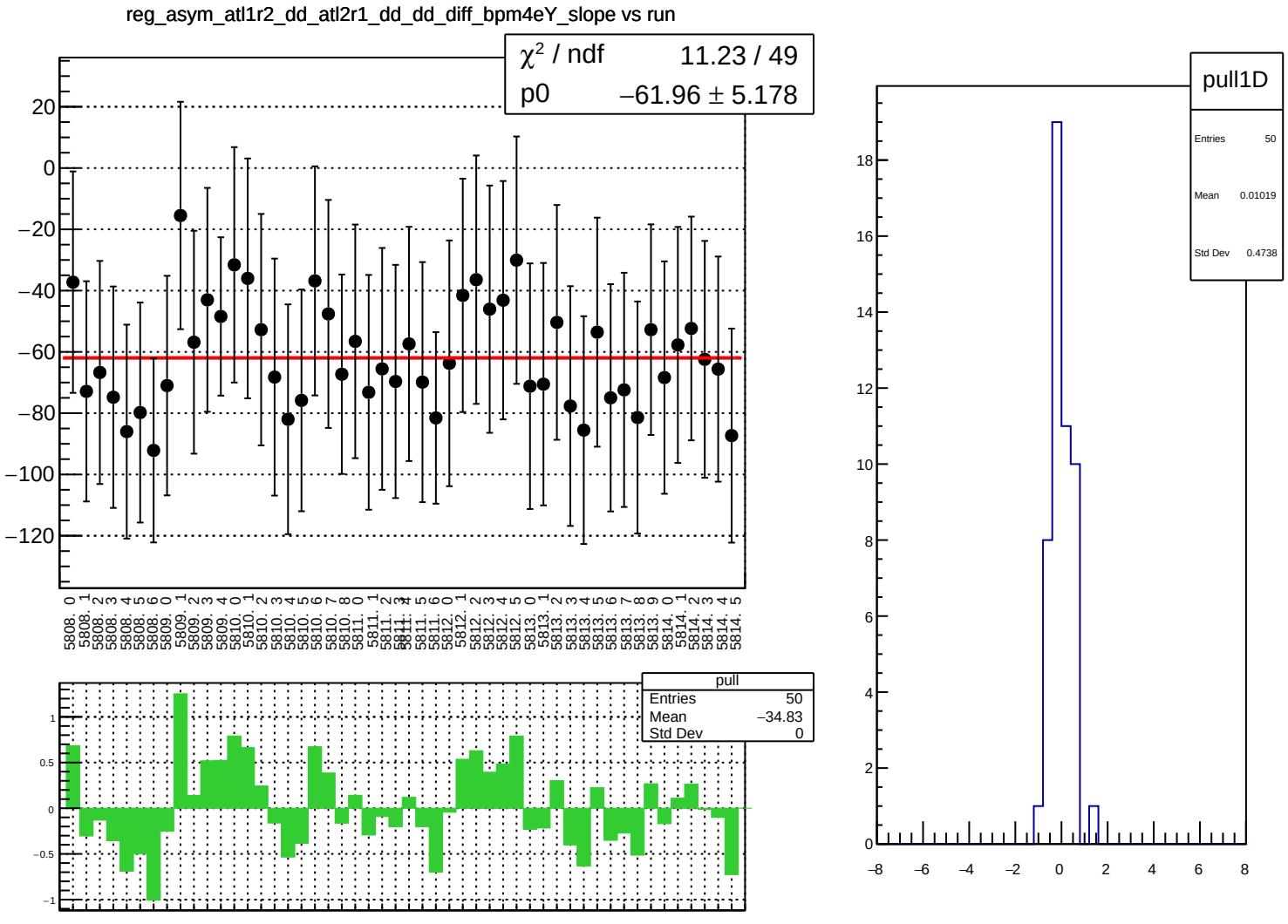

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.23 / 49
p0 −61.96 ± 5.178
pull
Entries 50
Mean −34.83
Std Dev 0
pull1D
Entries 50
Mean 0.01019
Std Dev 0.4738

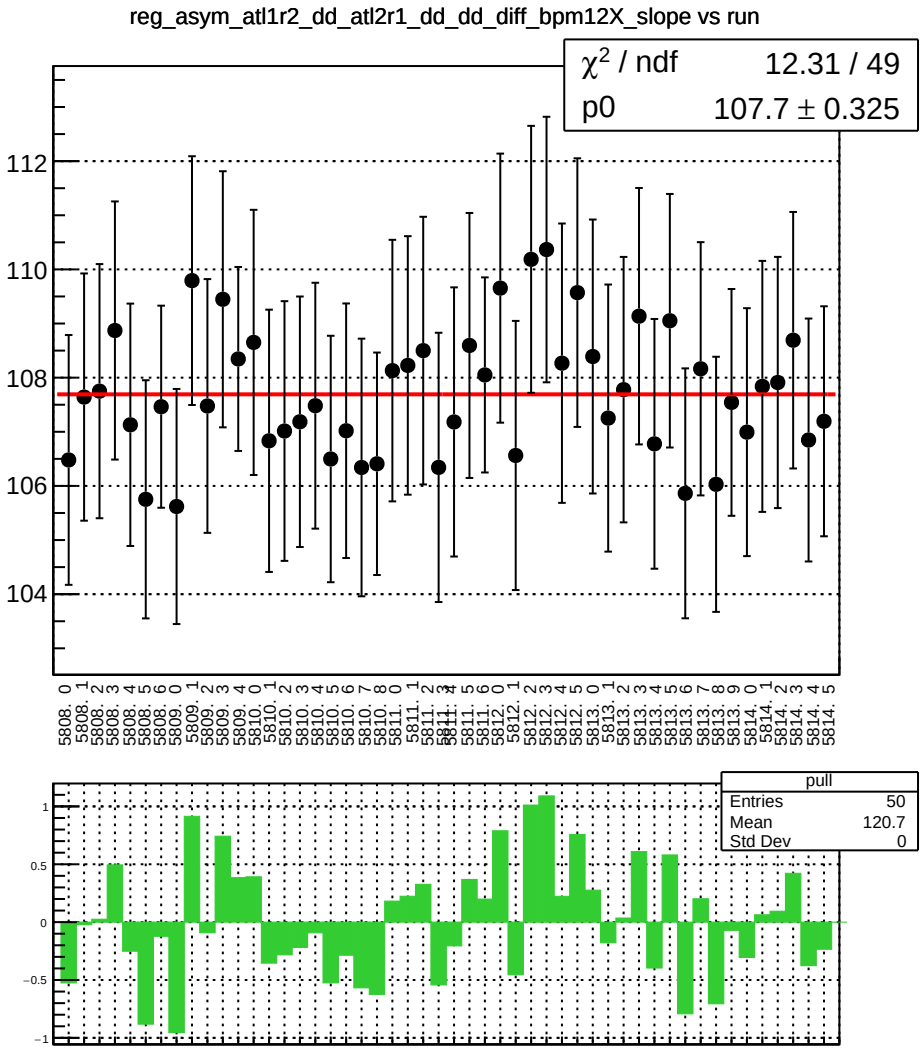

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.31 / 49
p0 107.7 ± 0.325
112
110
108
106
104
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 120.7
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.00693
Std Dev 0.4961
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

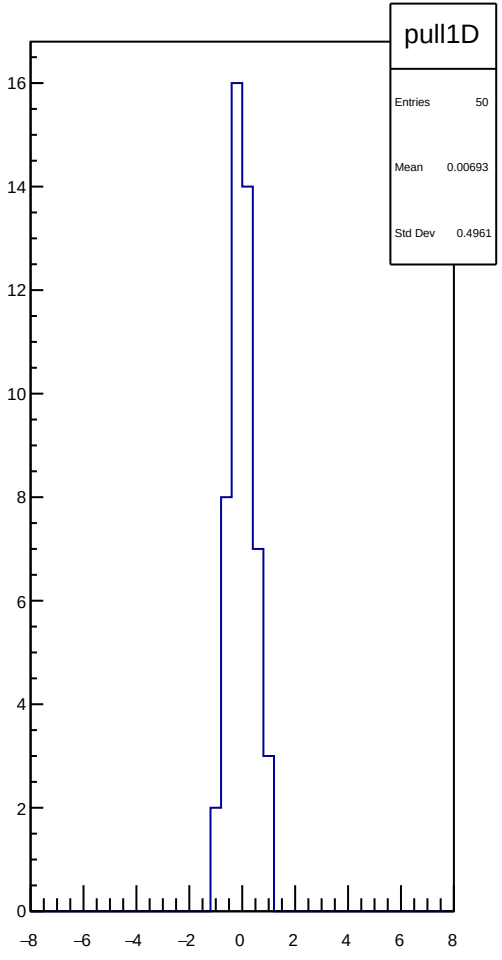

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 13.67 / 49
p0 164.8 ± 2.965
pull
Entries 50
Mean 230.8
Std Dev 0
pull1D
Entries 50
Mean 0.01376
Std Dev 0.5228

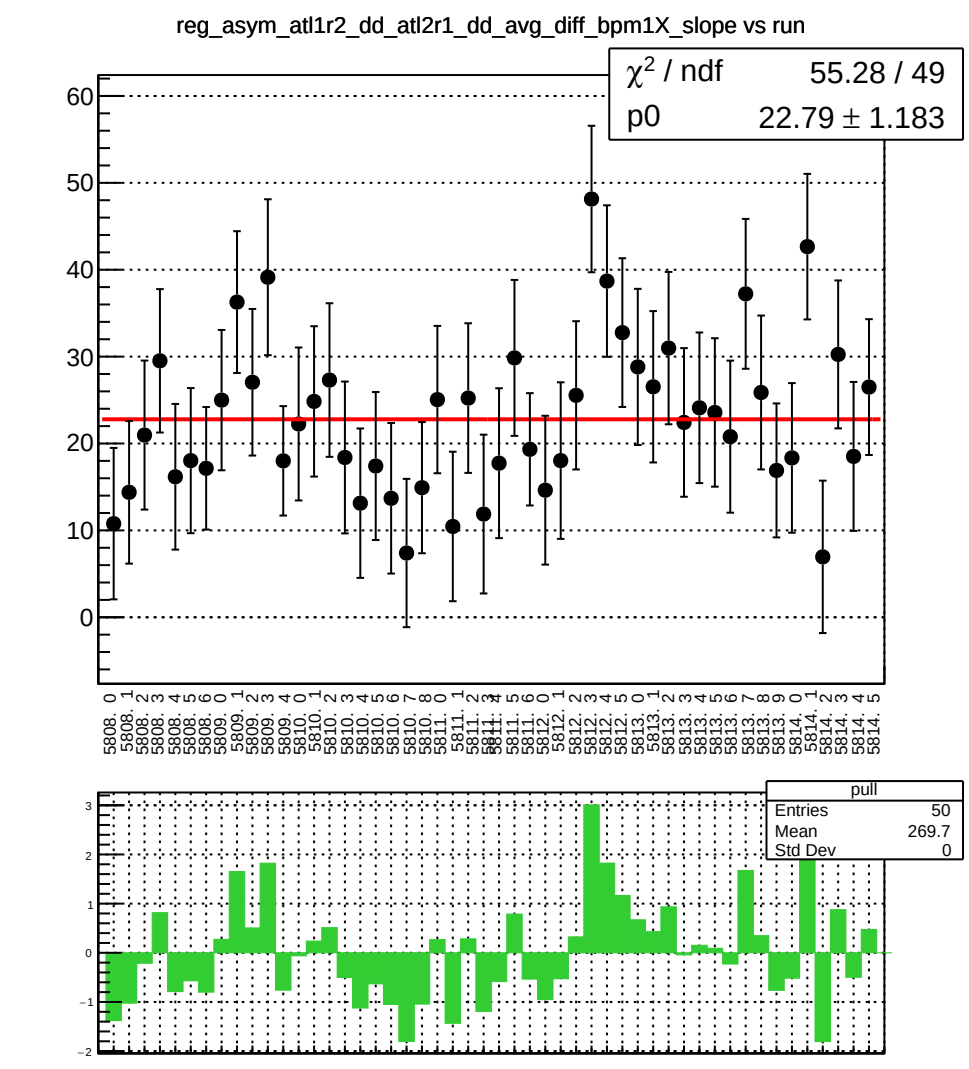

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.16 / 49
p0 −2.417 ± 4.729
pull
Entries 50
Mean −87.67
Std Dev 0
pull1D
Entries 50
Mean −0.009415
Std Dev 0.4724

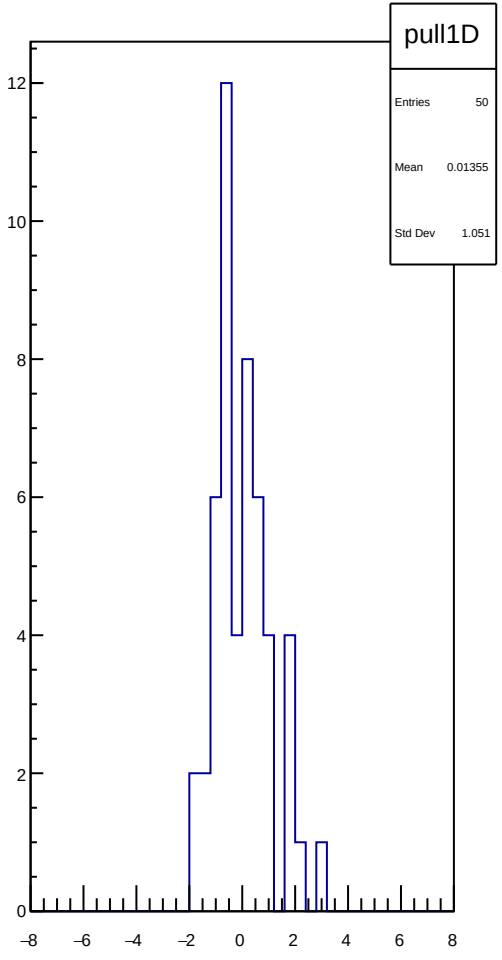

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 11.39 / 49
p0 −265.5 ± 4.247
pull
Entries 50
Mean 188.7
Std Dev 0
pull1D
Entries 50
Mean −0.007965
Std Dev 0.4771

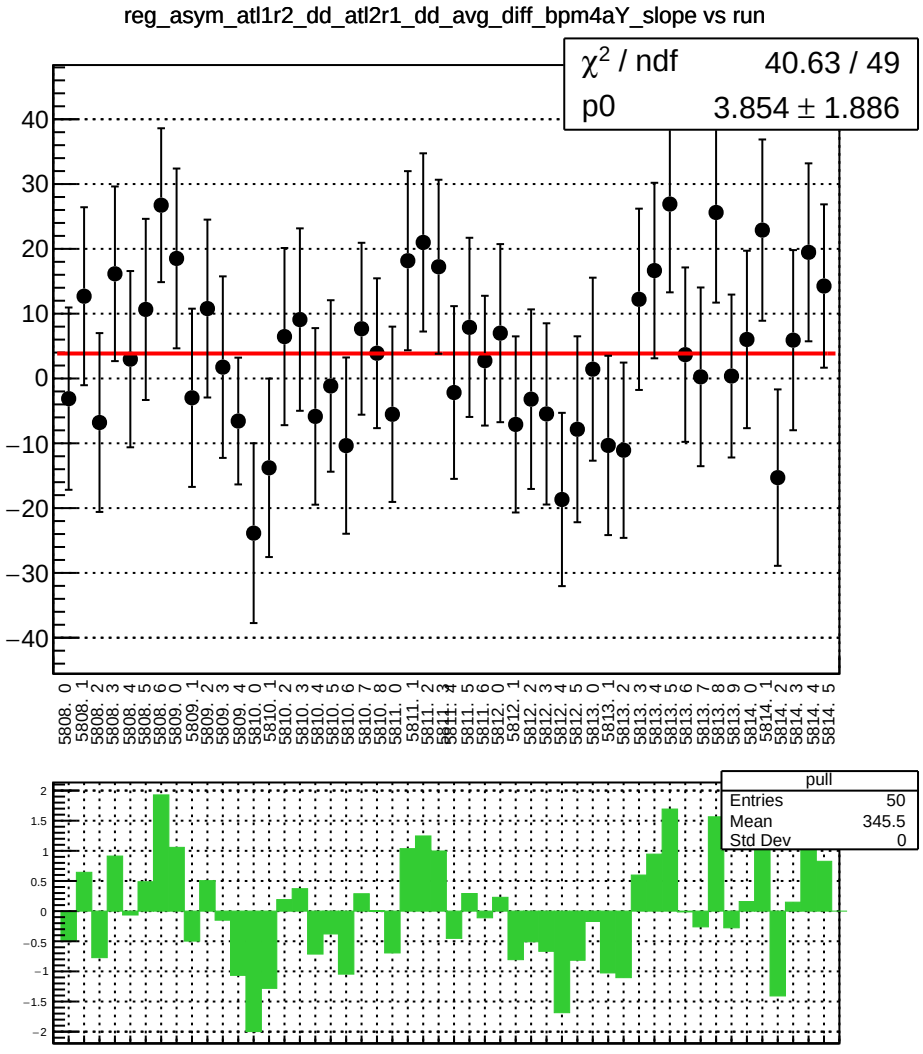

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.23 / 49
p0 −61.96 ± 5.178
pull
Entries 50
Mean −34.83
Std Dev 0
pull1D
Entries 50
Mean 0.01019
Std Dev 0.4738

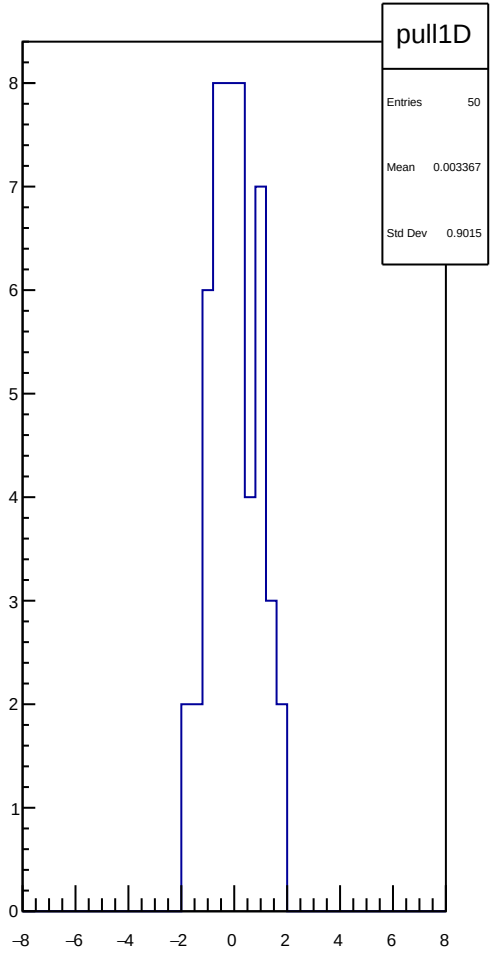

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 12.31 / 49
p0 107.7 ± 0.325
pull
Entries 50
Mean 120.7
Std Dev 0

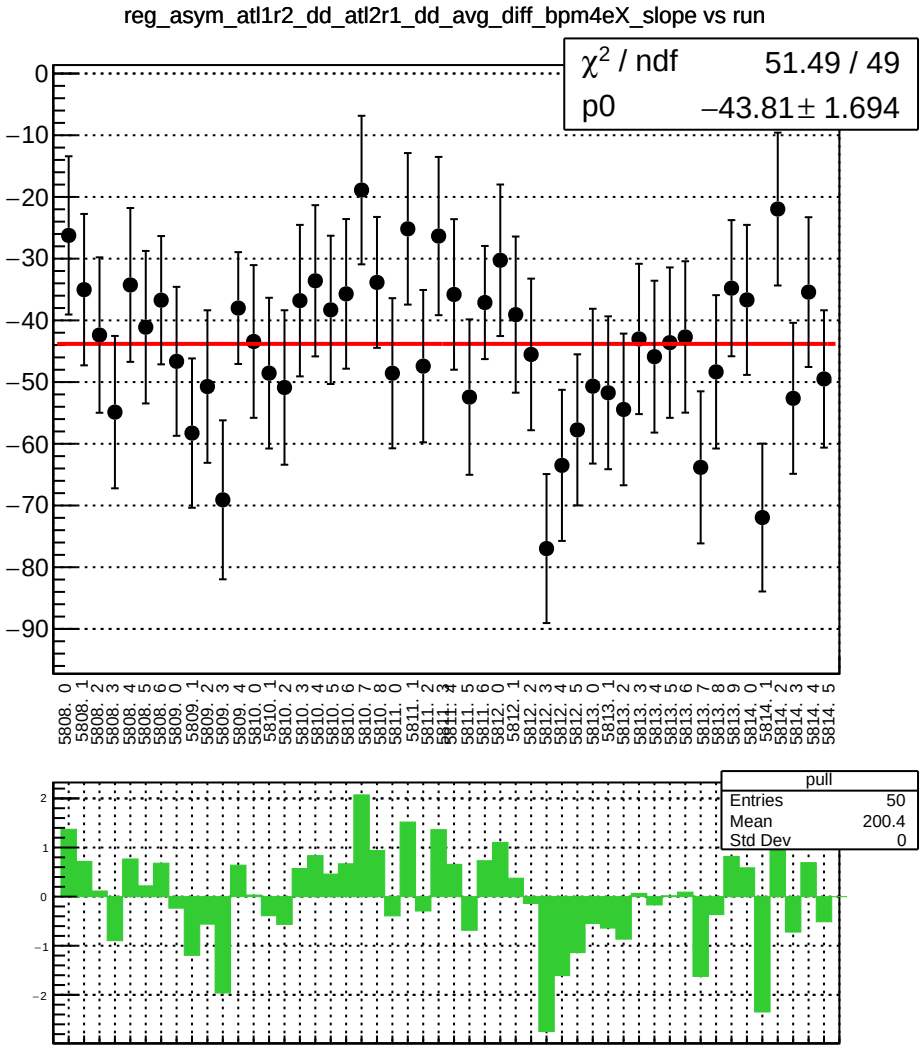

pull1D
Entries 50
Mean 0.00693
Std Dev 0.4961

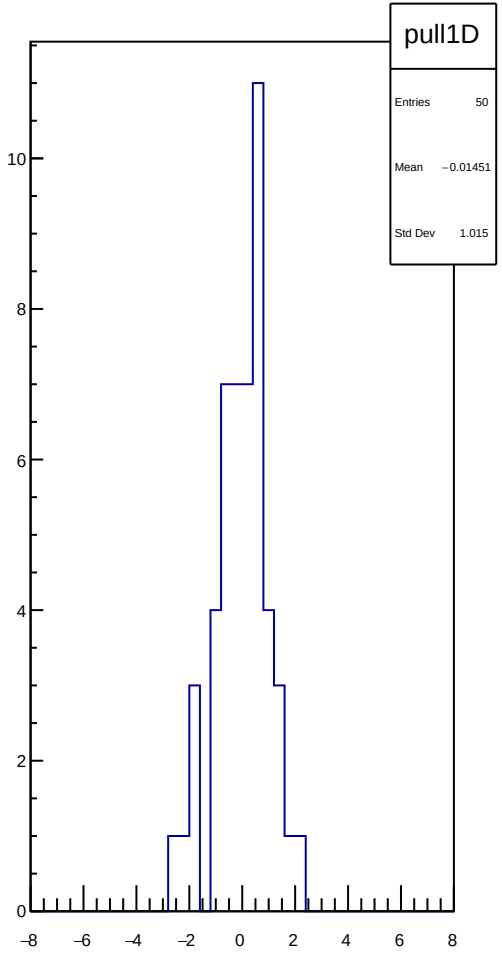

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 55.28 / 49
p0 22.79 ± 1.183
pull
Entries 50
Mean 269.7
Std Dev 0

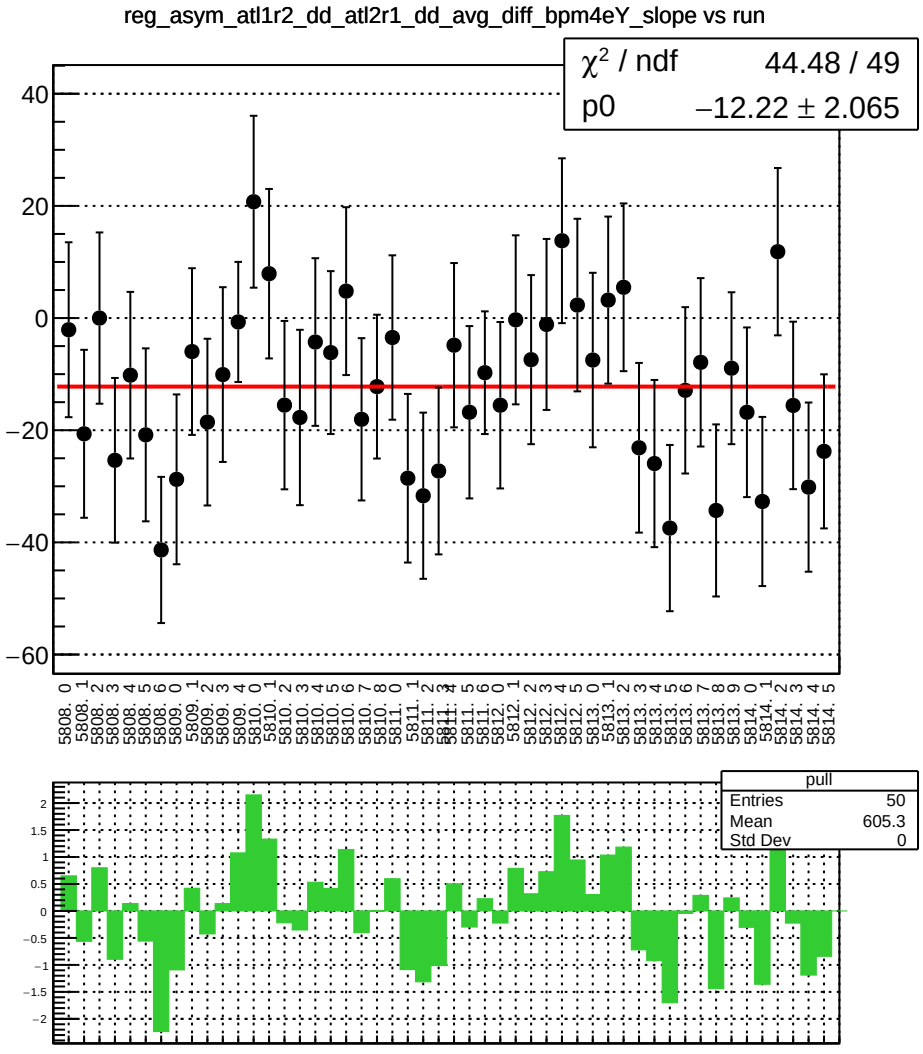

pull1D
Entries 50
Mean 0.01355
Std Dev 1.051

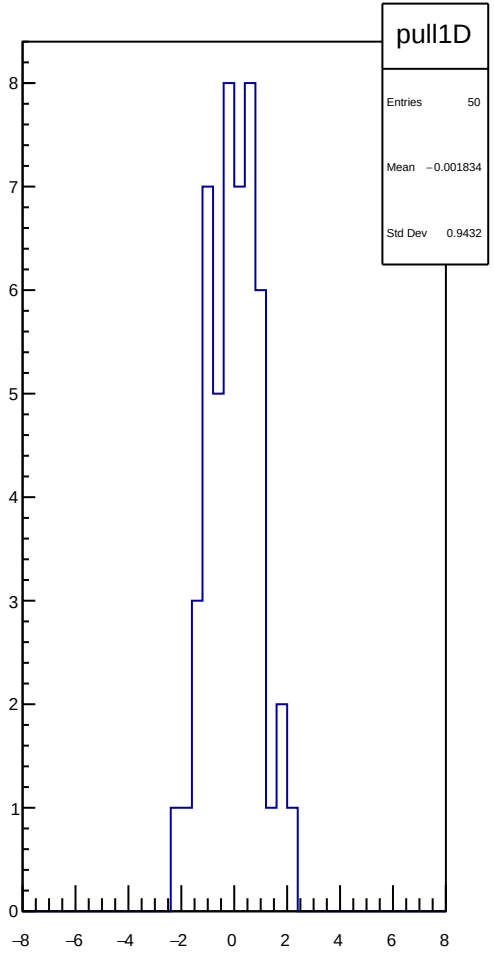

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.63 / 49
p0 3.854 ± 1.886
pull
Entries 50
Mean 345.5
Std Dev 0

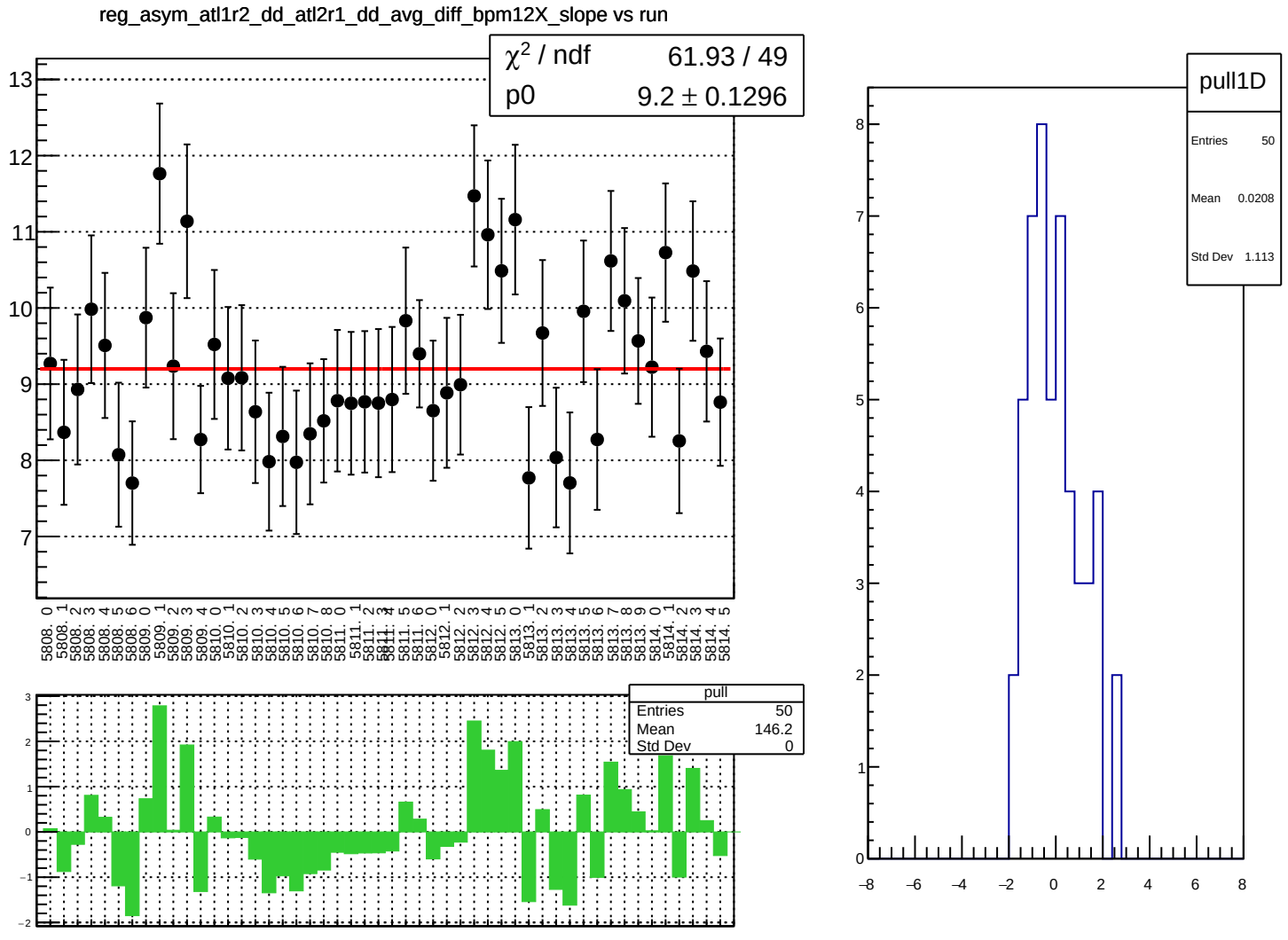

pull1D
Entries 50
Mean 0.003367
Std Dev 0.9015

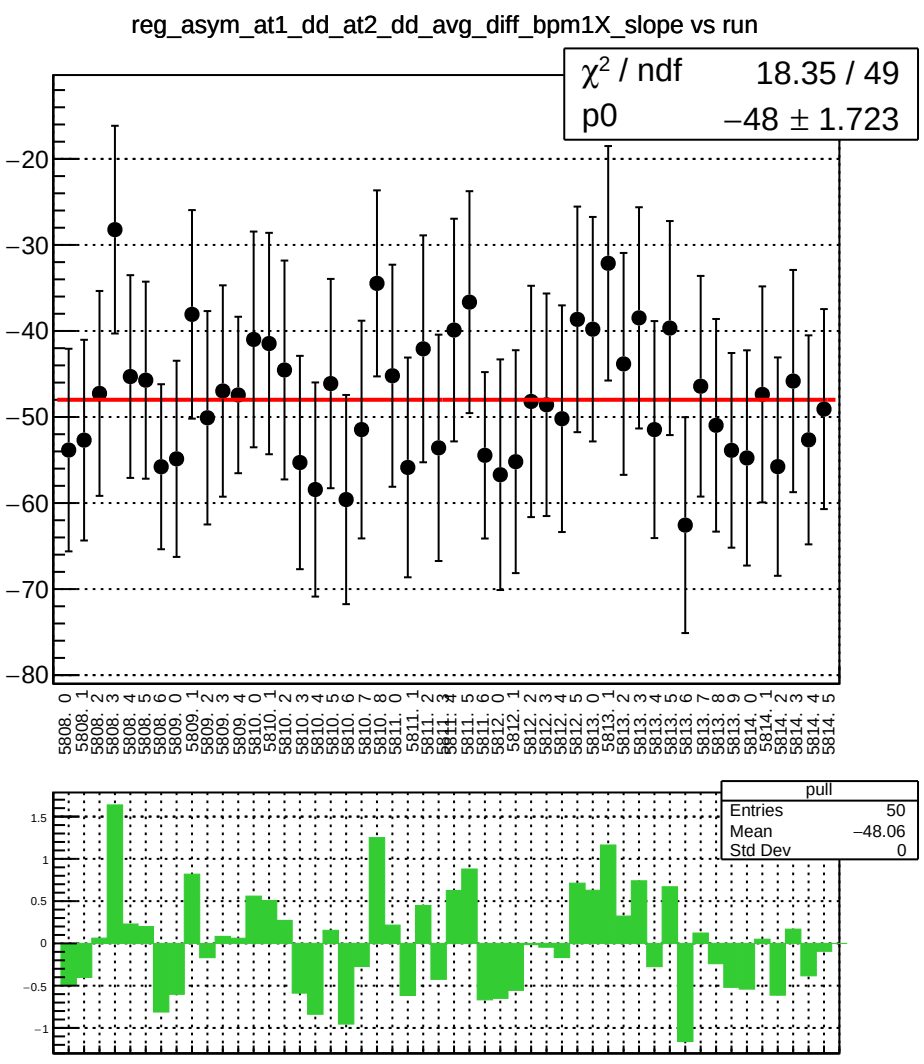

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 51.49 / 49
p0 −43.81 ± 1.694
pull
Entries 50
Mean 200.4
Std Dev 0

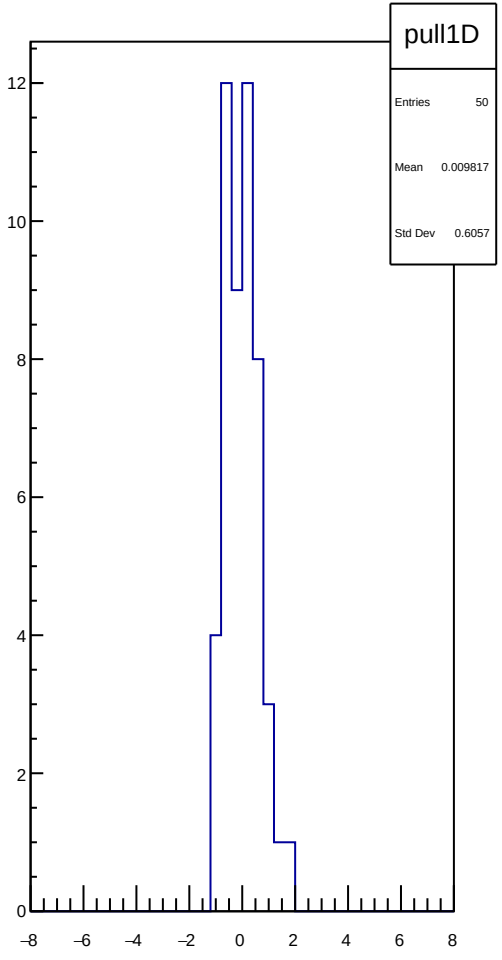

pull1D
Entries 50
Mean −0.01451
Std Dev 1.015

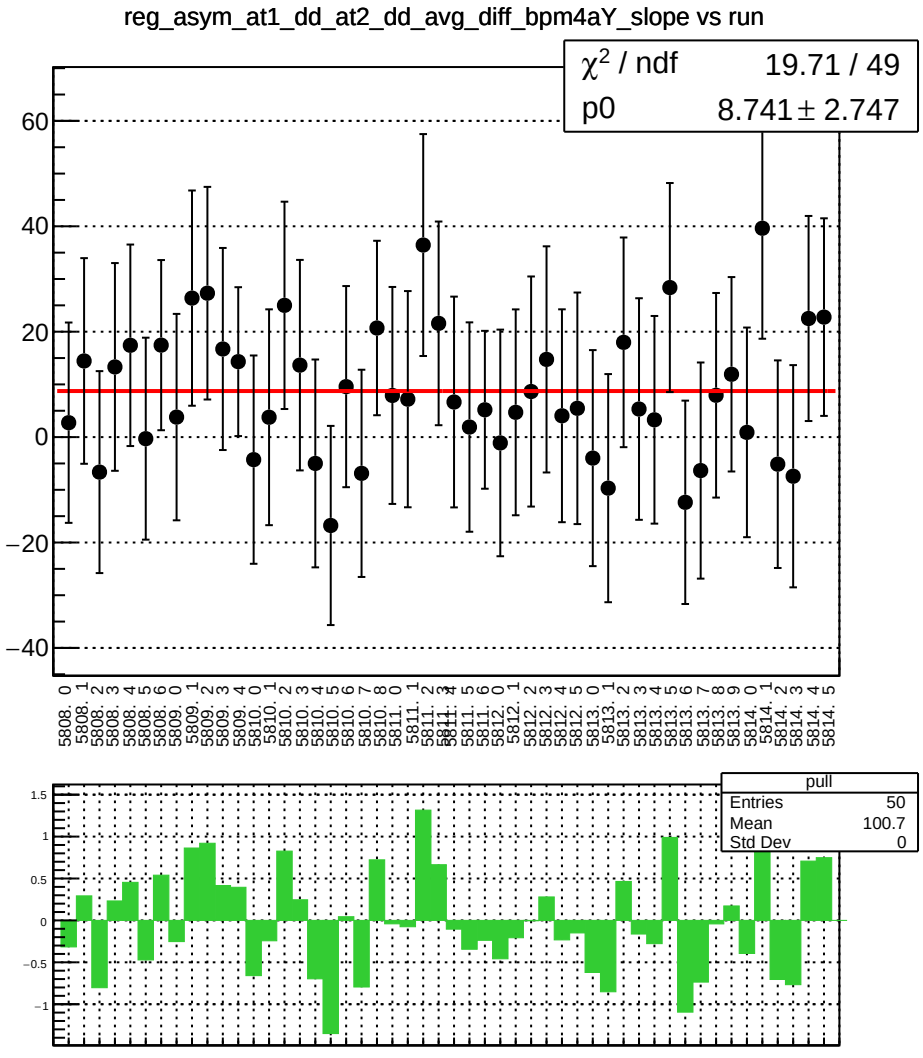

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 44.48 / 49
p0 −12.22 ± 2.065
pull
Entries 50
Mean 605.3
Std Dev 0

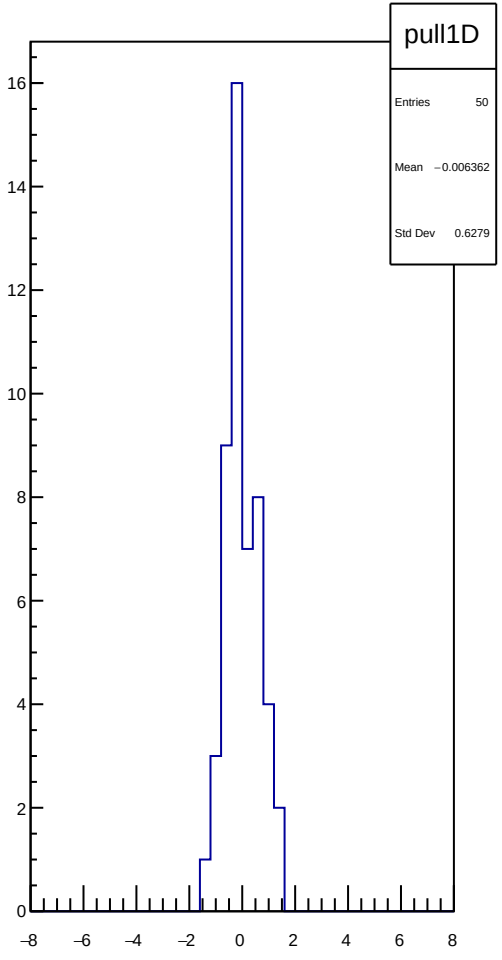

pull1D
Entries 50
Mean −0.001834
Std Dev 0.9432

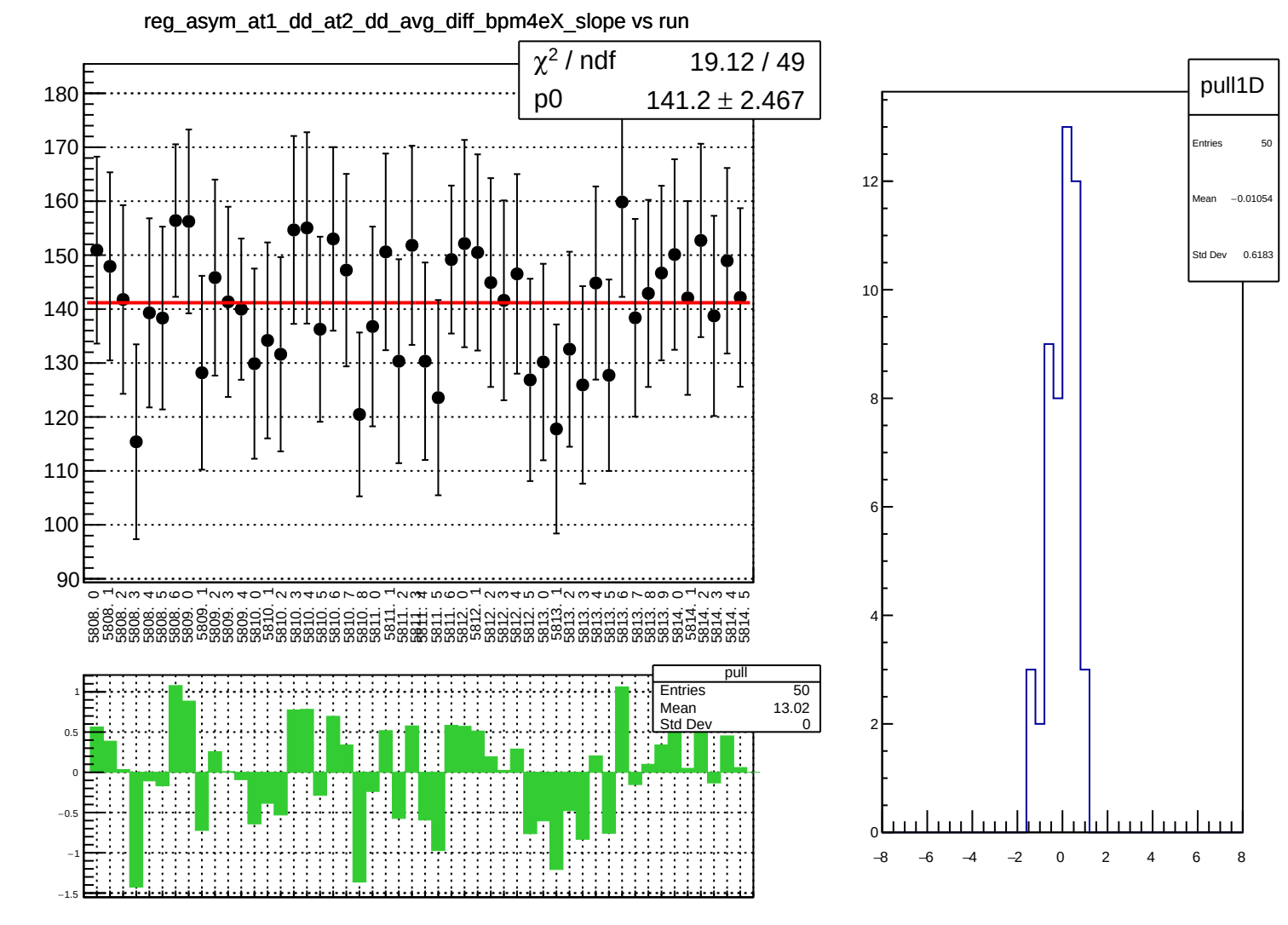

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 61.93 / 49
p0 9.2 ± 0.1296
pull
Entries 50
Mean 146.2
Std Dev 0
pull1D
Entries 50
Mean 0.0208
Std Dev 1.113

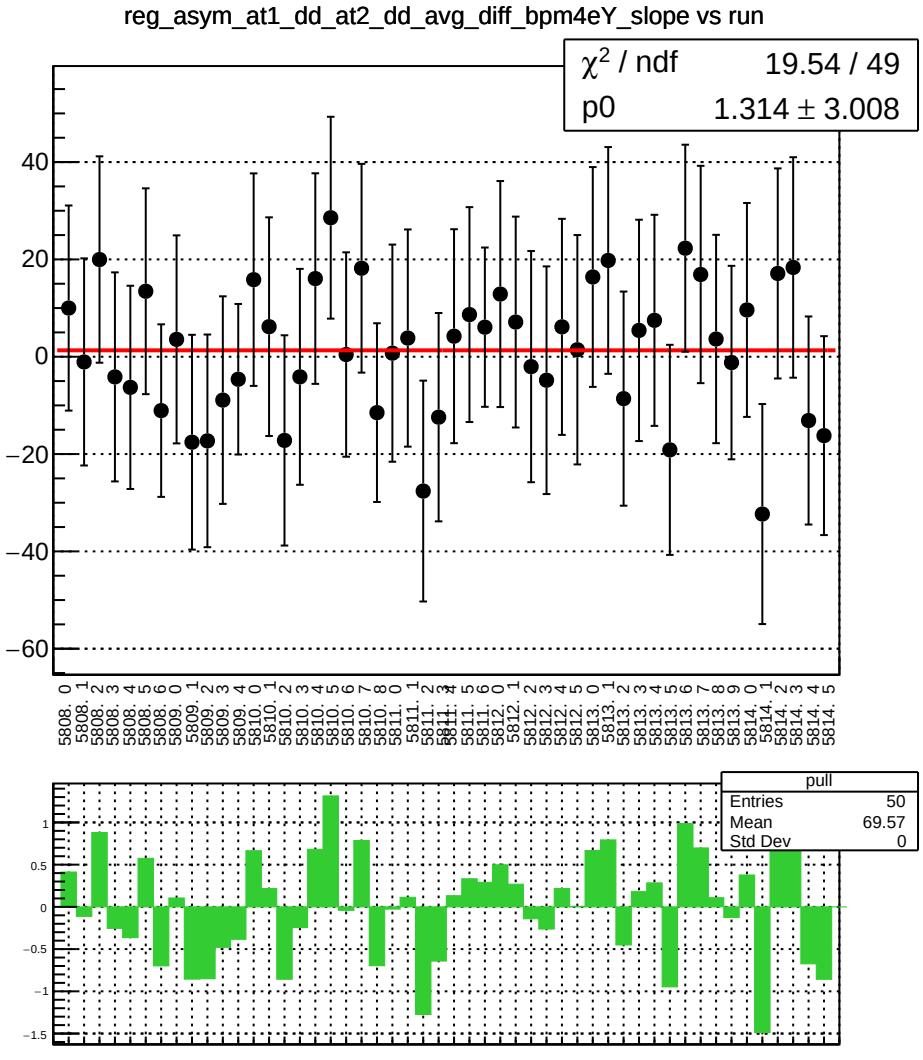

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 18.35 / 49
p0 −48 ± 1.723
pull
Entries 50
Mean −48.06
Std Dev 0

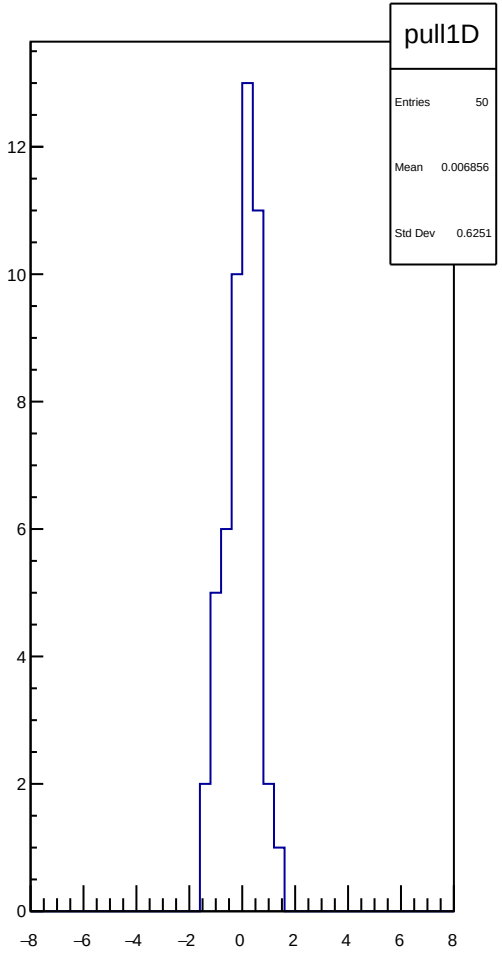

pull1D
Entries 50
Mean 0.009817
Std Dev 0.6057

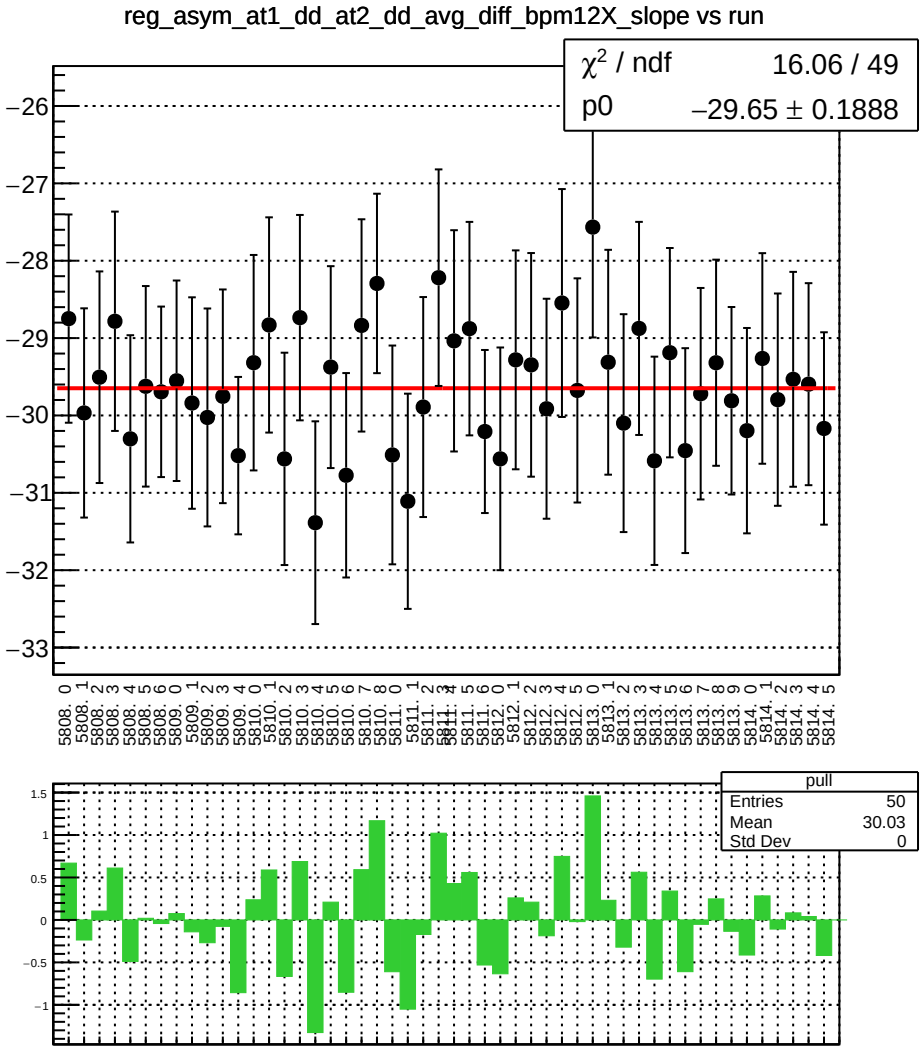

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.71 / 49
p0 8.741 ± 2.747
pull
Entries 50
Mean 100.7
Std Dev 0

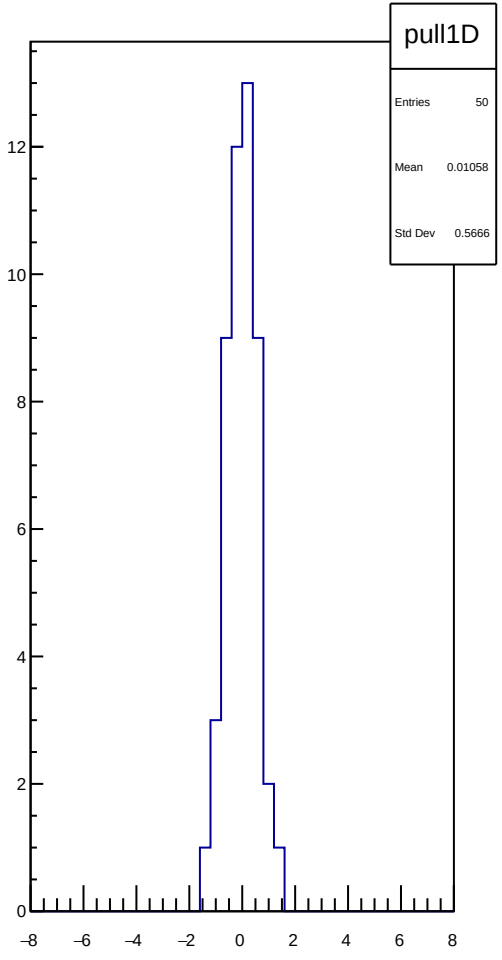

pull1D
Entries 50
Mean −0.006362
Std Dev 0.6279

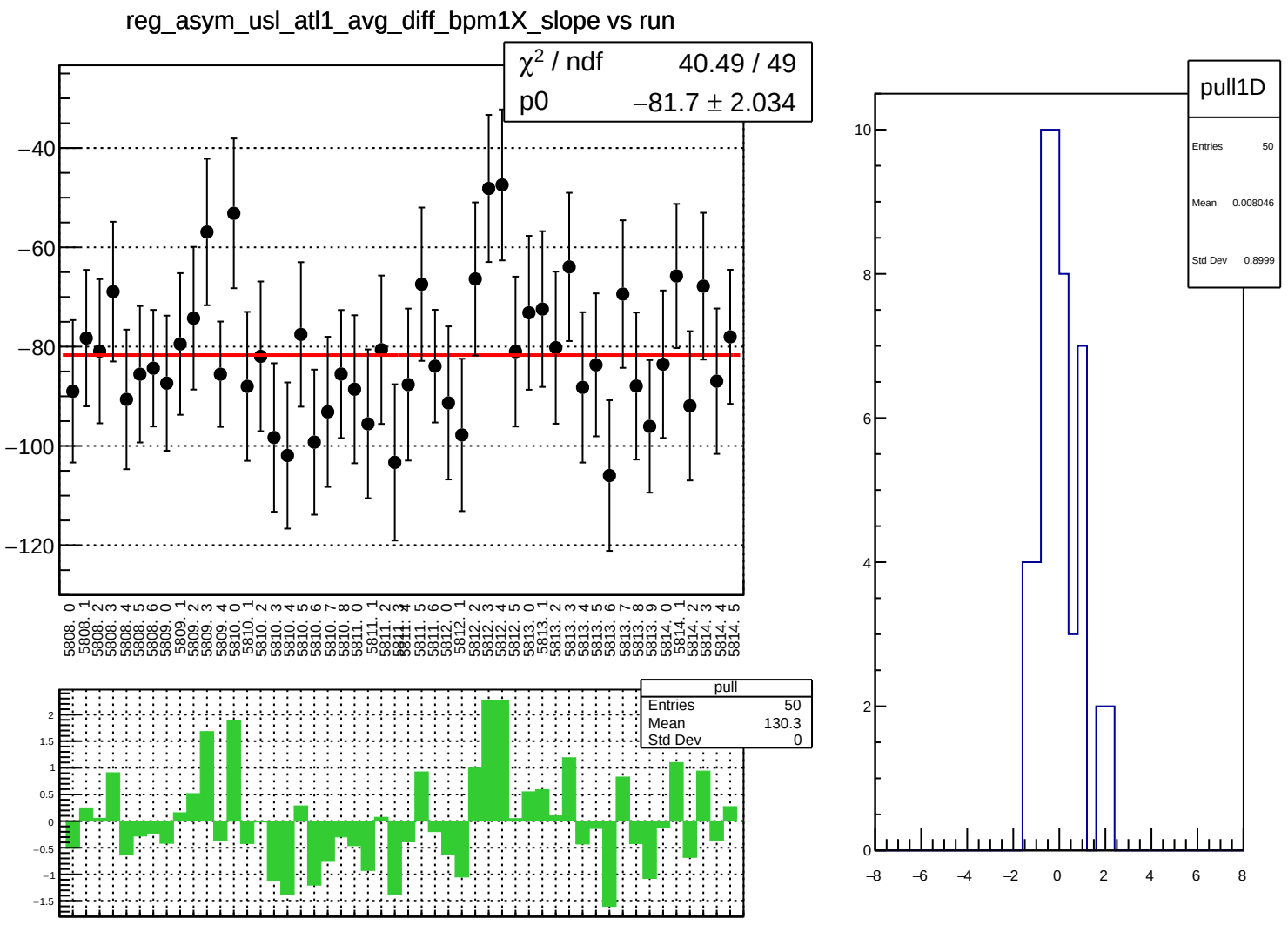

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.12 / 49
p0 141.2 ± 2.467
pull
Entries 50
Mean 13.02
Std Dev 0
pull1D
Entries 50
Mean −0.01054
Std Dev 0.6183

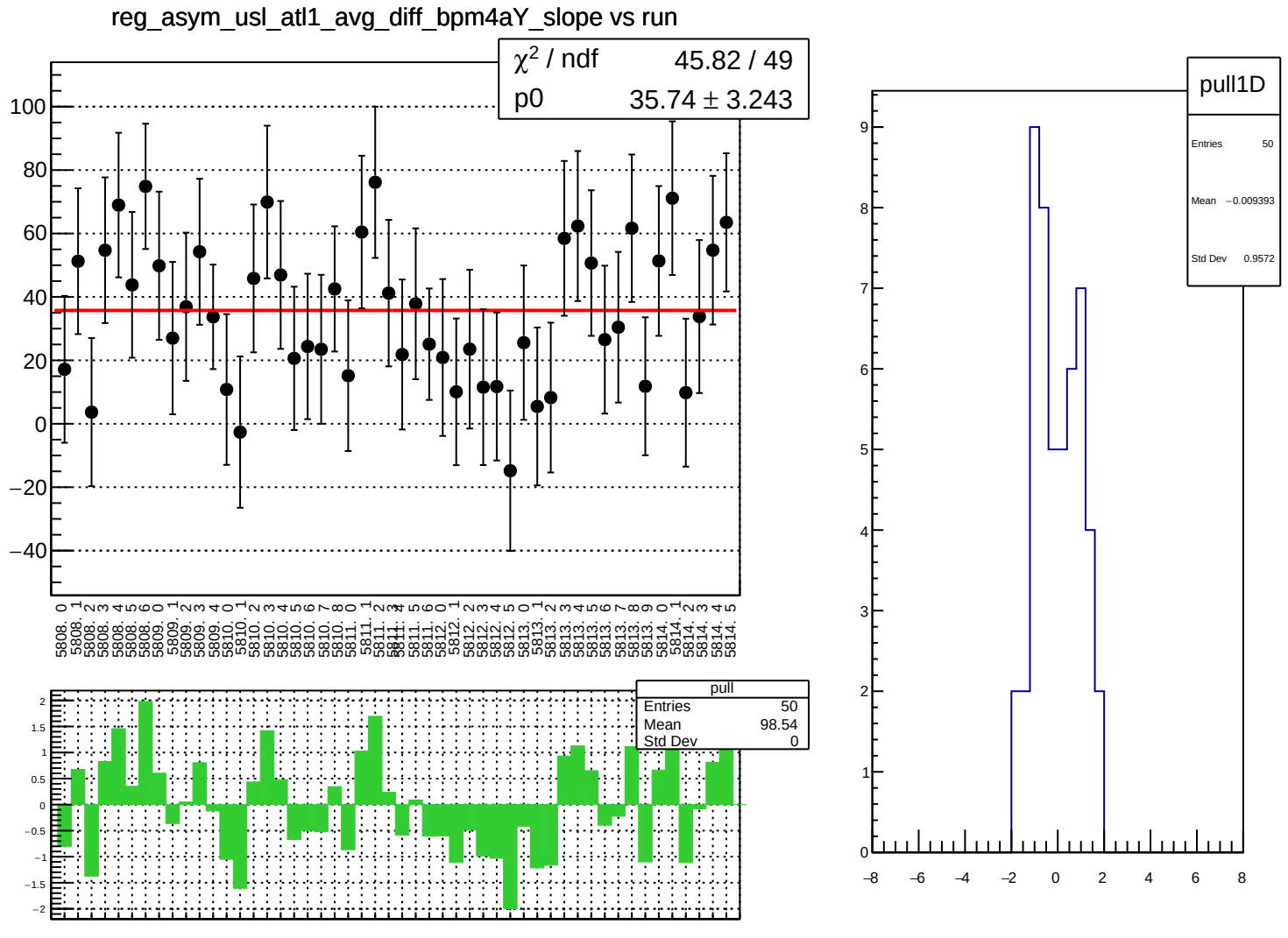

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.54 / 49
p0 1.314 ± 3.008
pull
Entries 50
Mean 69.57
Std Dev 0

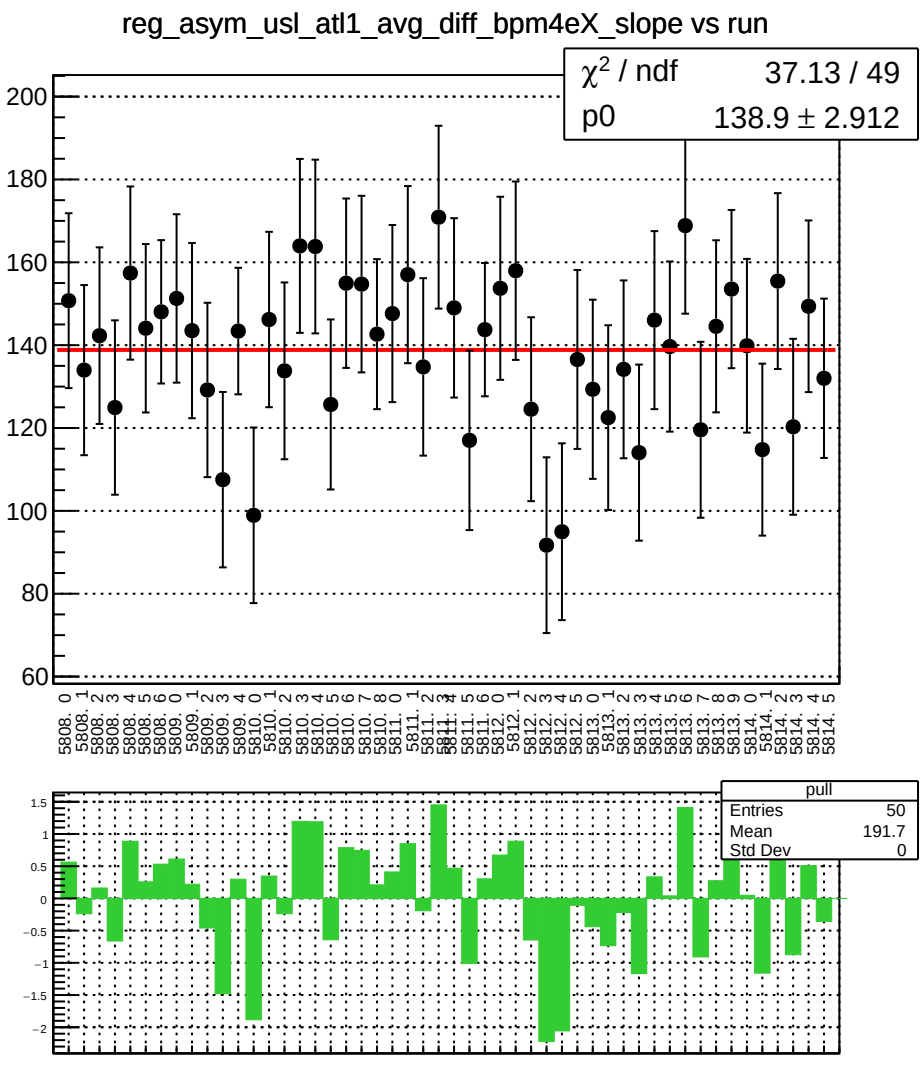

pull1D
Entries 50
Mean 0.006856
Std Dev 0.6251

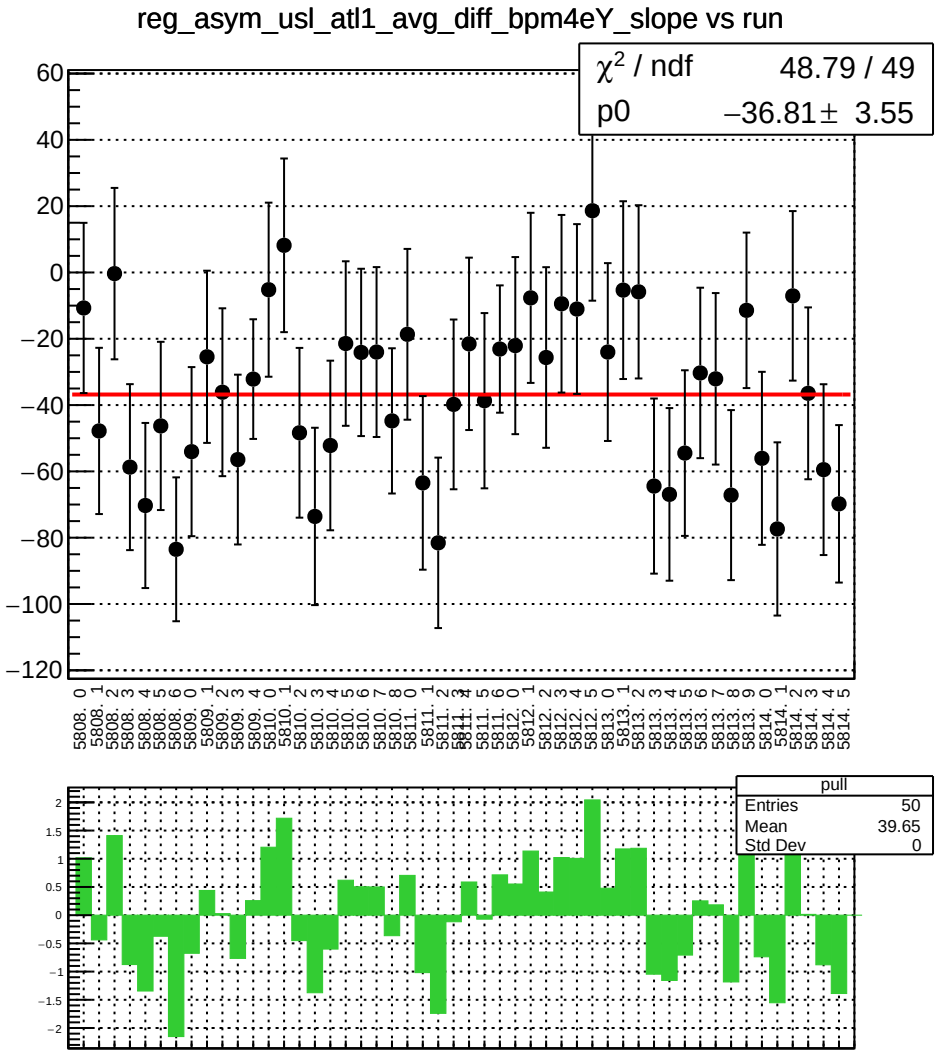

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 16.06 / 49
p0 −29.65 ± 0.1888
pull
Entries 50
Mean 30.03
Std Dev 0

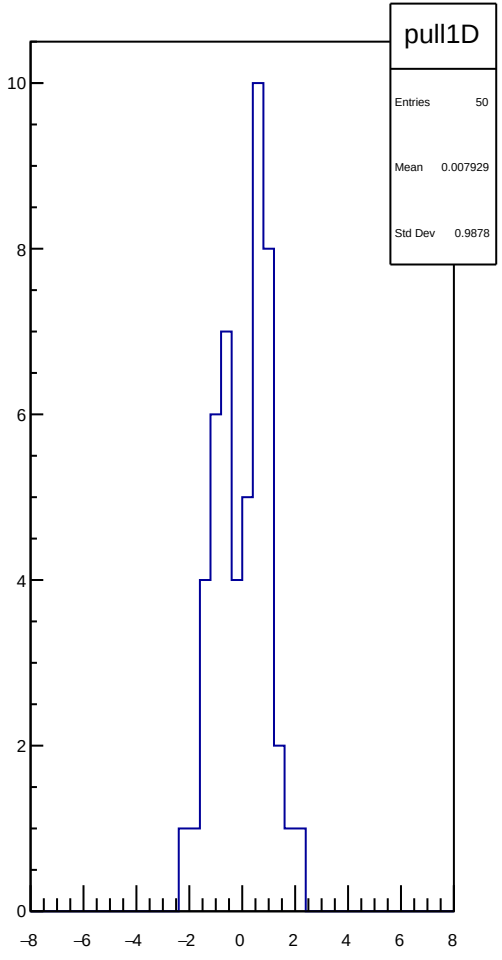

pull1D
Entries 50
Mean 0.01058
Std Dev 0.5666

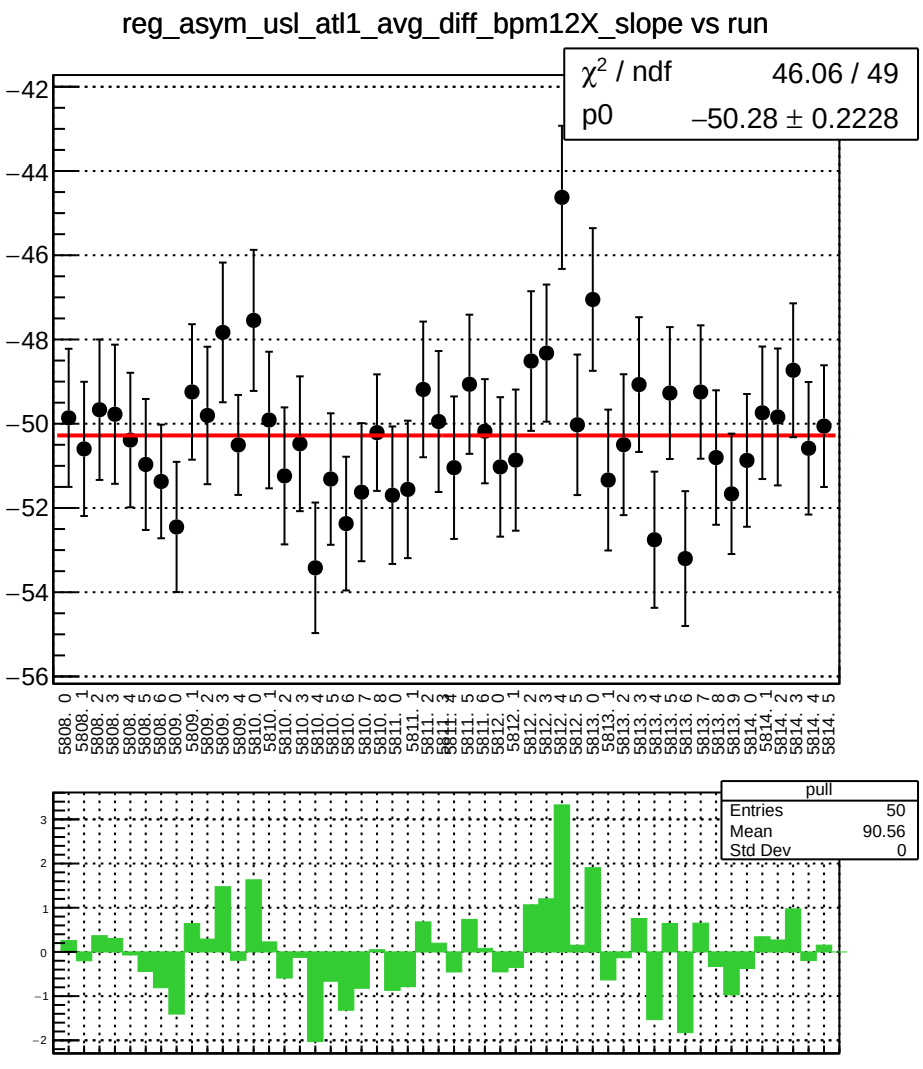

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 40.49 / 49
p0 −81.7 ± 2.034
−40
−60
−80
−100
−120
pull
Entries 50
Mean 130.3
Std Dev 0
pull1D
Entries 50
Mean 0.008046
Std Dev 0.8999

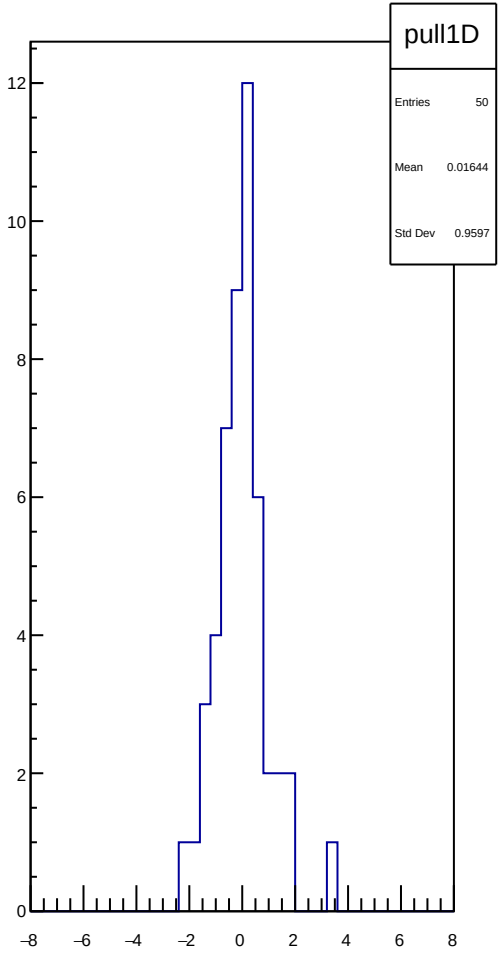

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 45.82 / 49
p0 35.74 ± 3.243
pull
Entries 50
Mean 98.54
Std Dev 0
pull1D
Entries 50
Mean −0.009393
Std Dev 0.9572

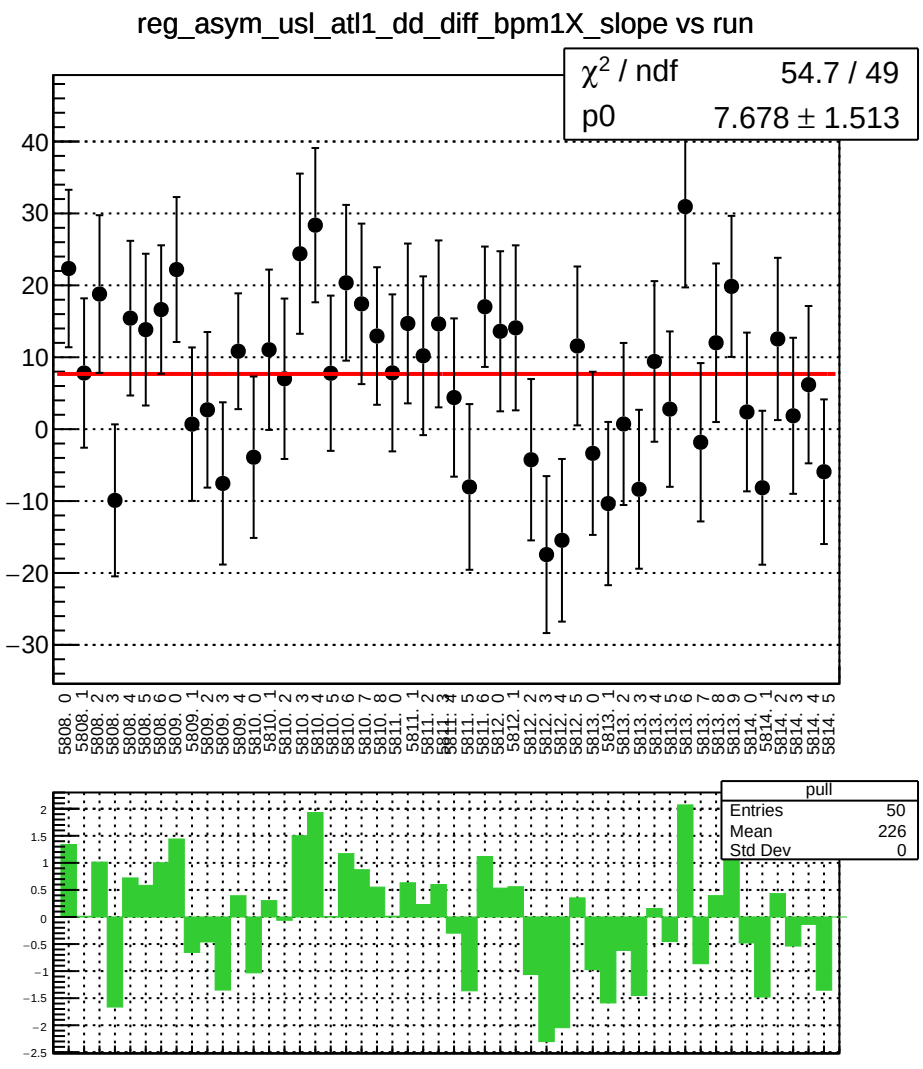

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 37.13 / 49
p0 138.9 ± 2.912
200
180
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 191.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.009375
Std Dev 0.8617
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

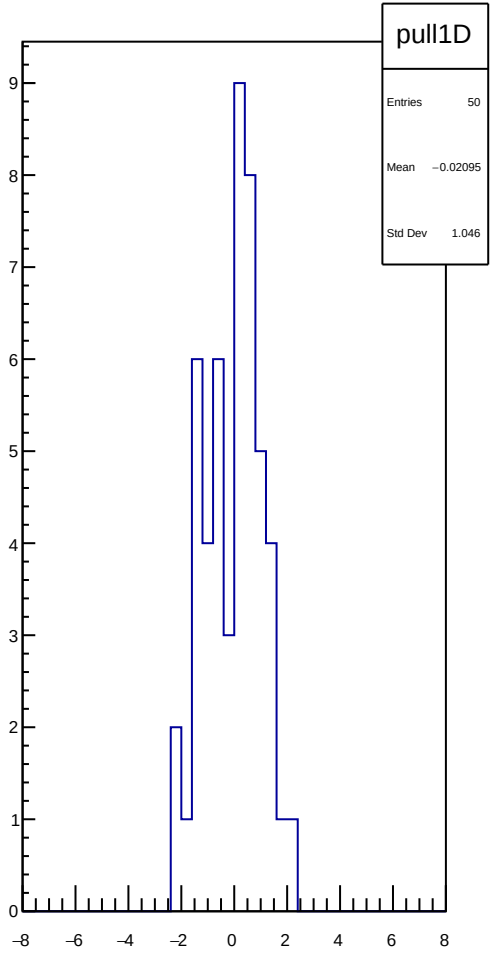

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 48.79 / 49
p0 −36.81 ± 3.55
pull
Entries 50
Mean 39.65
Std Dev 0

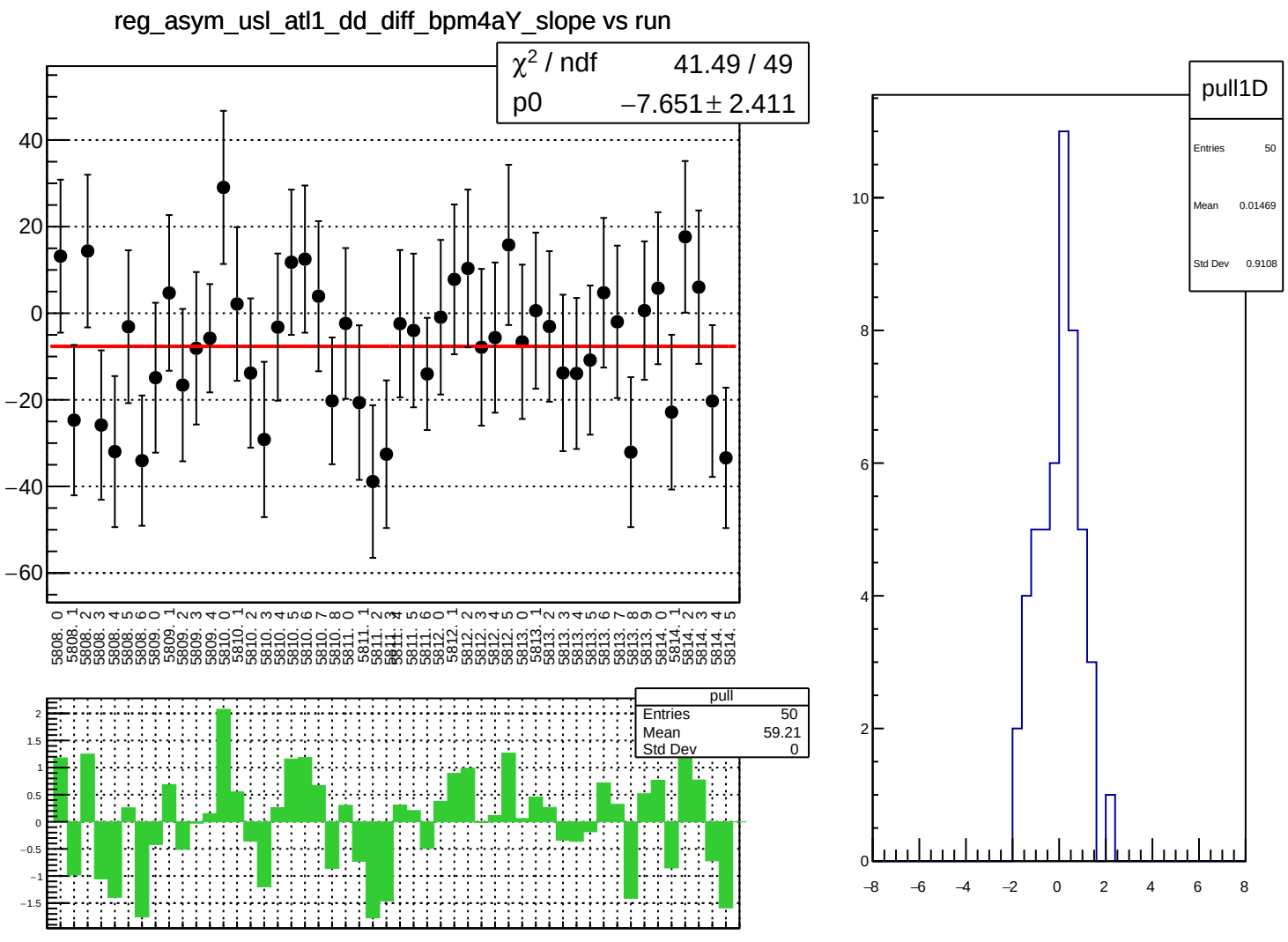

pull1D
Entries 50
Mean 0.007929
Std Dev 0.9878

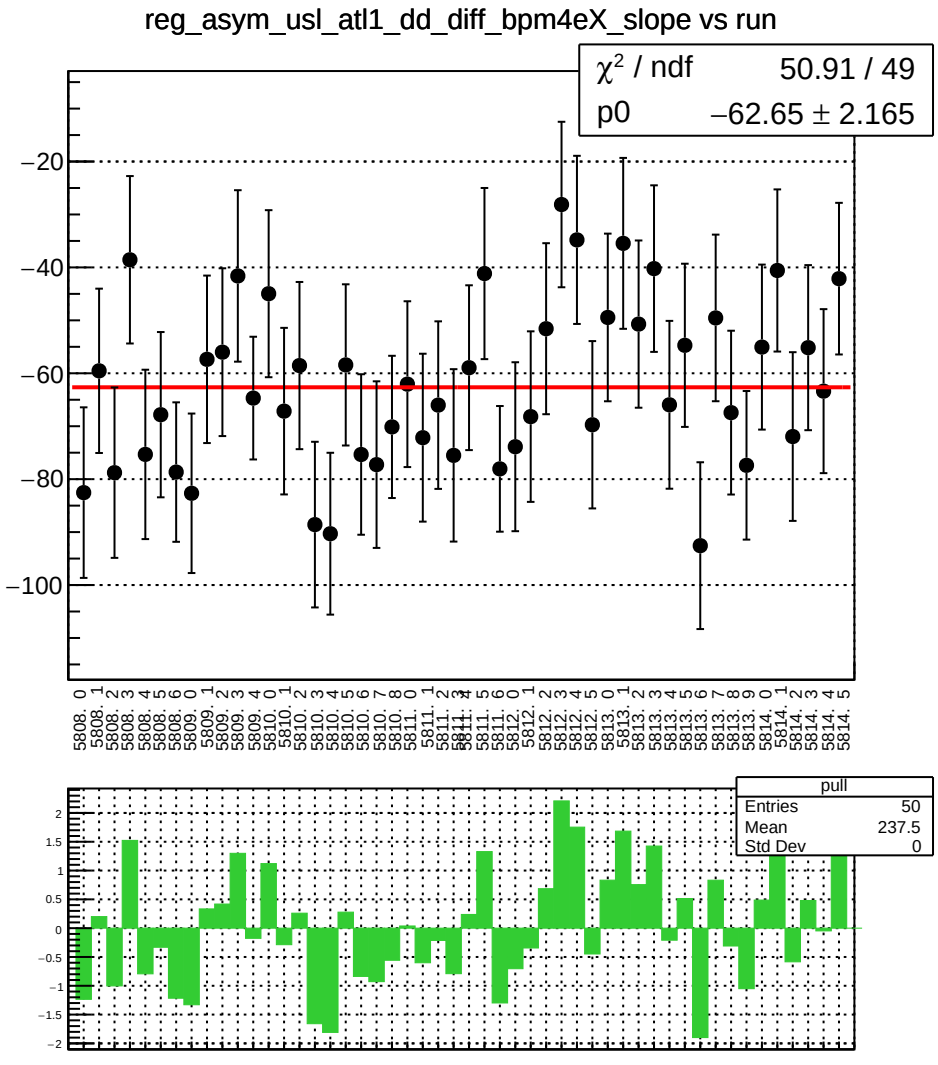

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 46.06 / 49
p0 −50.28 ± 0.2228
pull
Entries 50
Mean 90.56
Std Dev 0

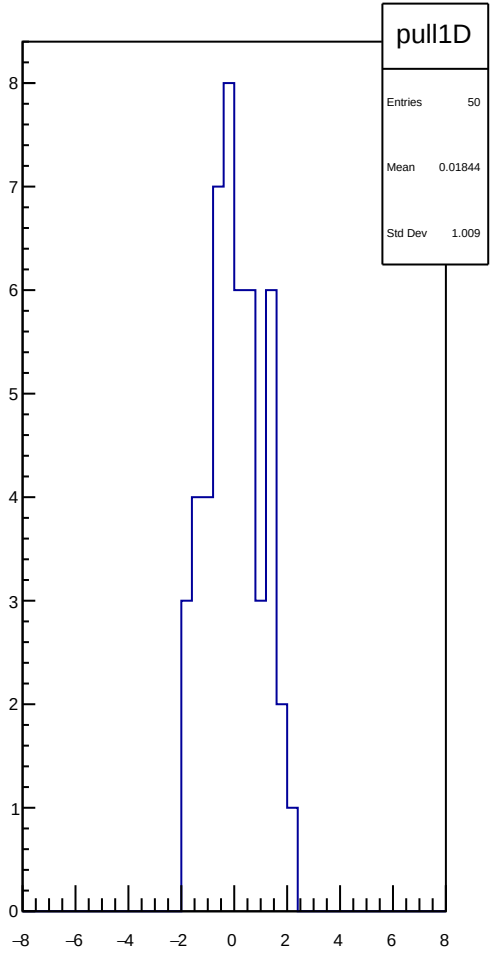

pull1D
Entries 50
Mean 0.01644
Std Dev 0.9597

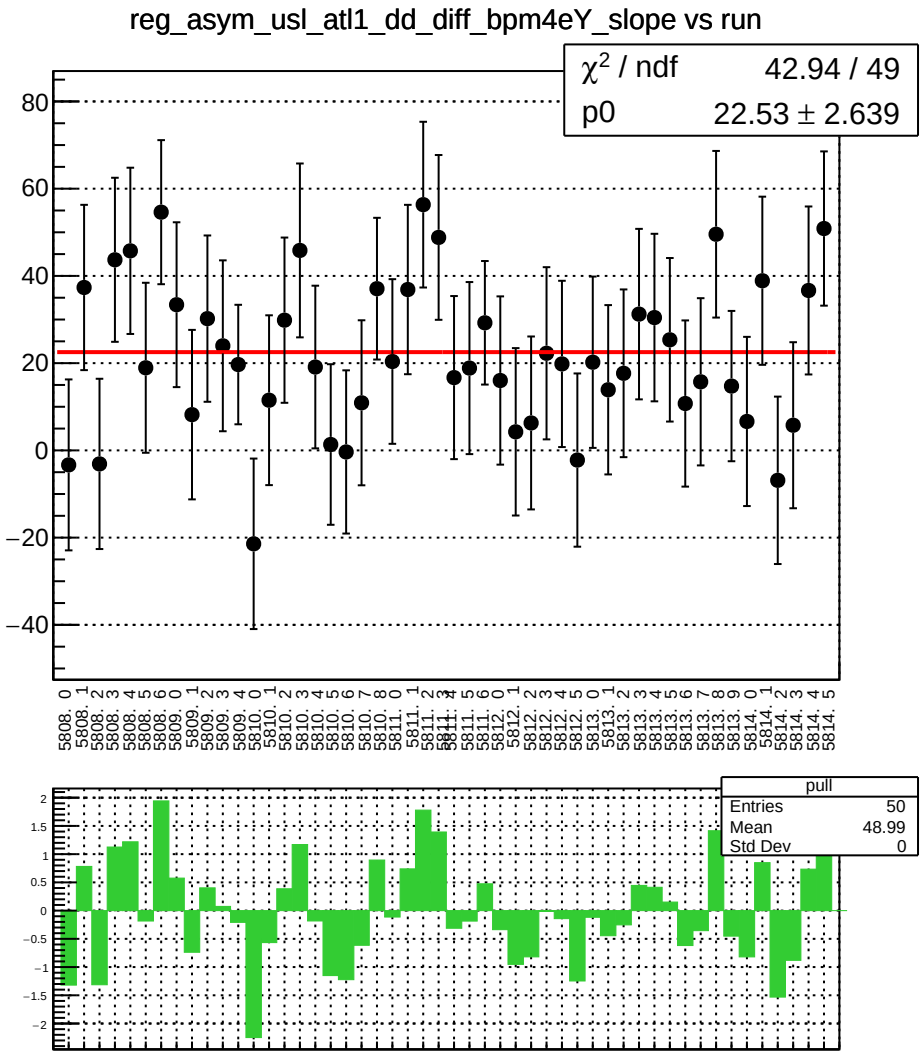

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 54.7 / 49
p0 7.678 ± 1.513
pull
Entries 50
Mean 226
Std Dev 0

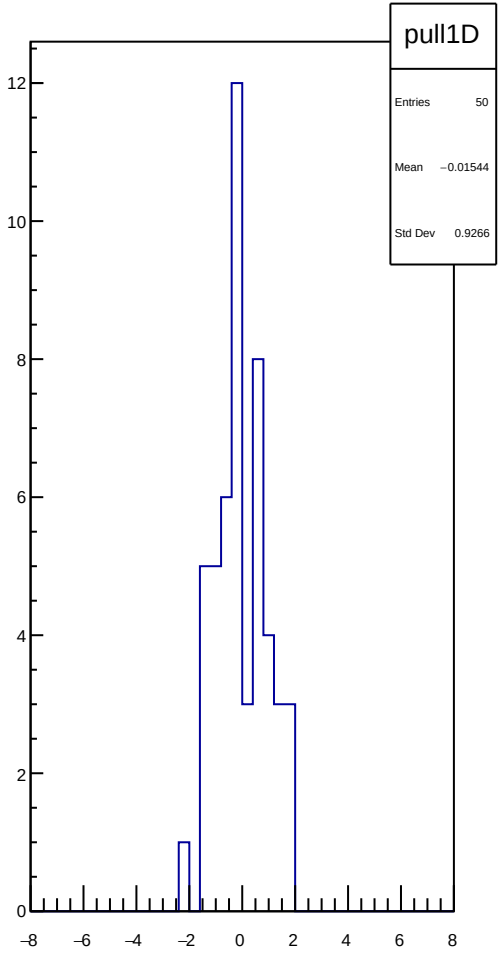

pull1D
Entries 50
Mean −0.02095
Std Dev 1.046

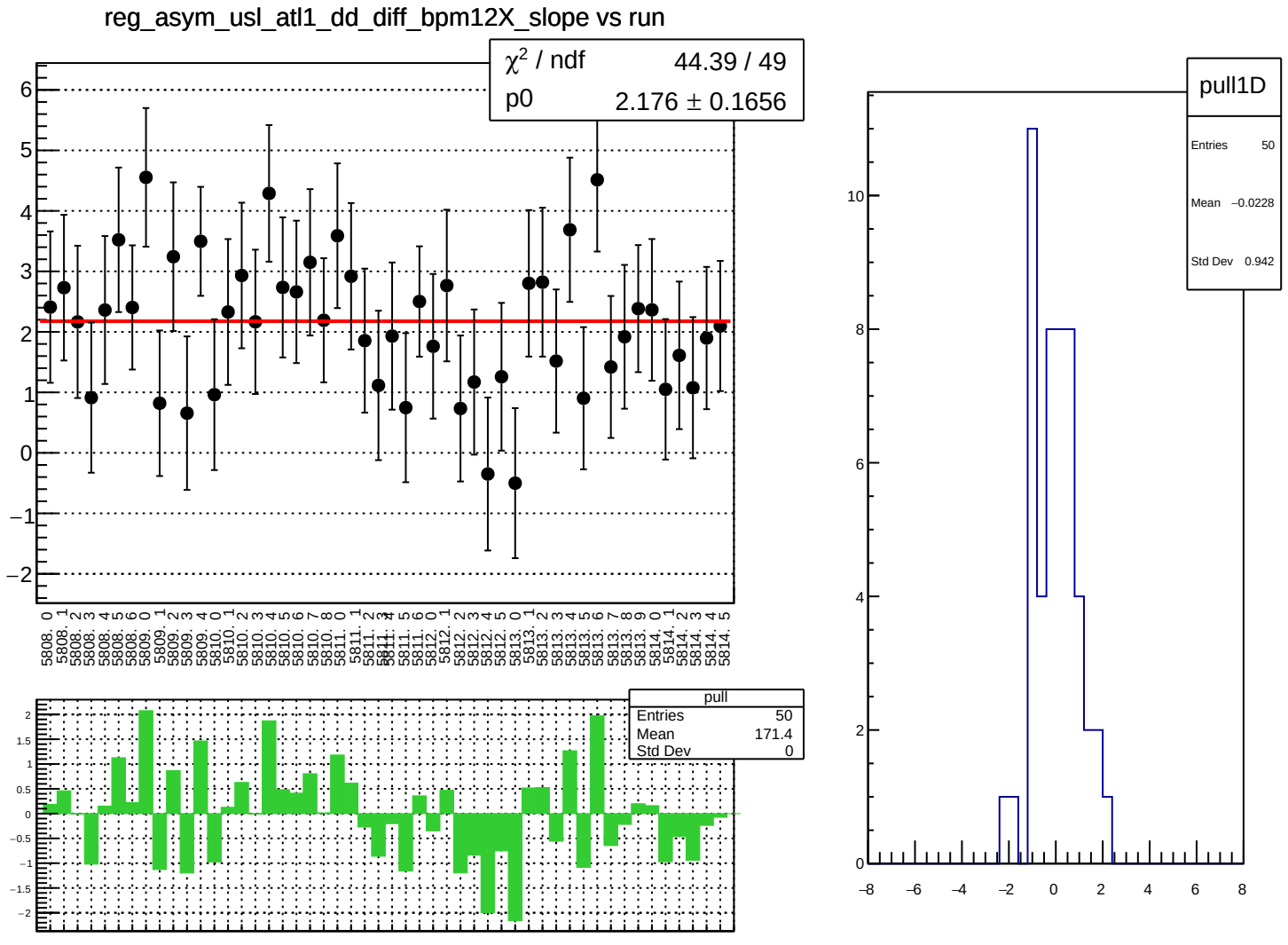

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 41.49 / 49
p0 −7.651 ± 2.411
pull
Entries 50
Mean 59.21
Std Dev 0
pull1D
Entries 50
Mean 0.01469
Std Dev 0.9108

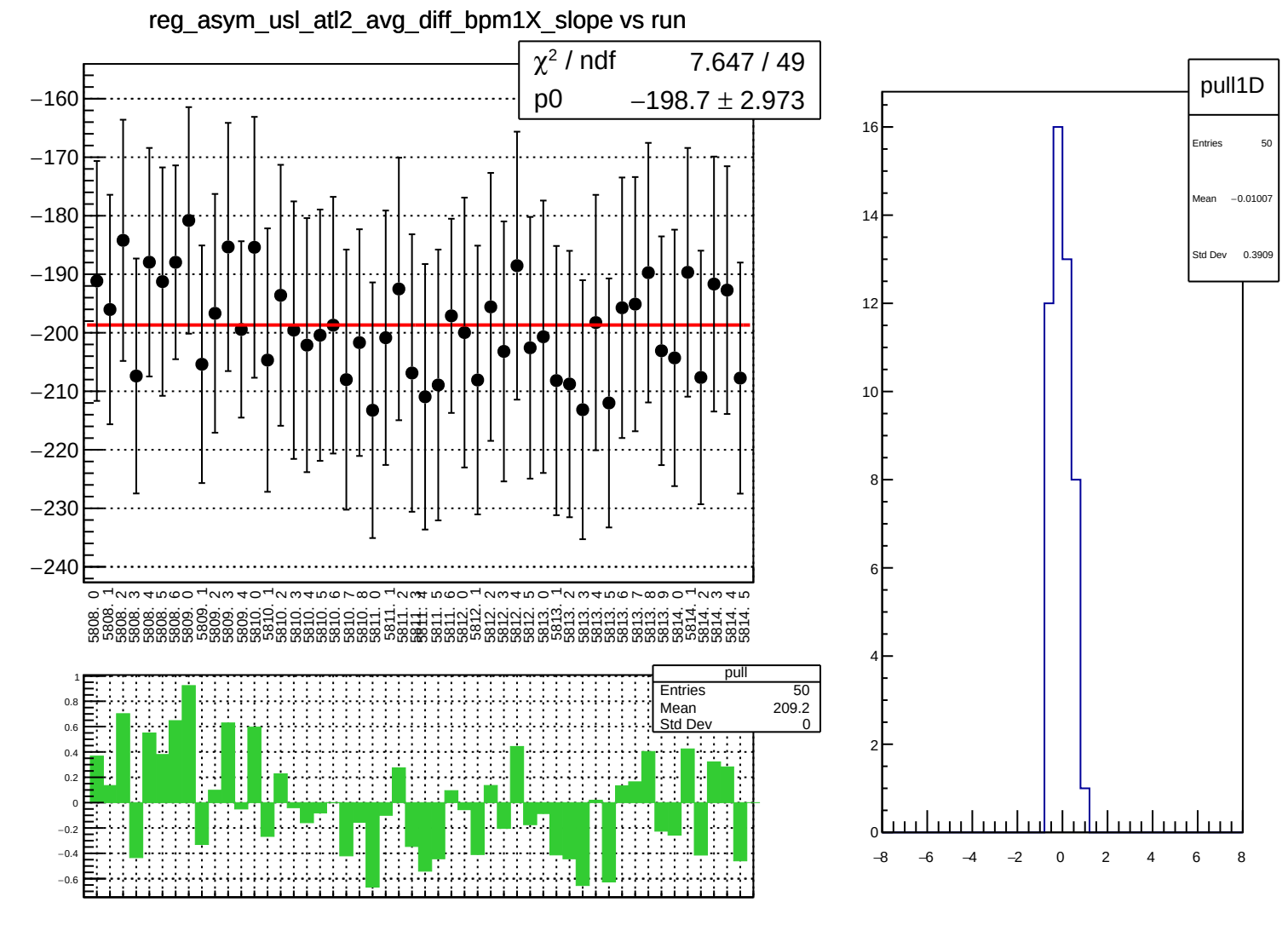

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 50.91 / 49
p0 −62.65 ± 2.165
pull
Entries 50
Mean 237.5
Std Dev 0

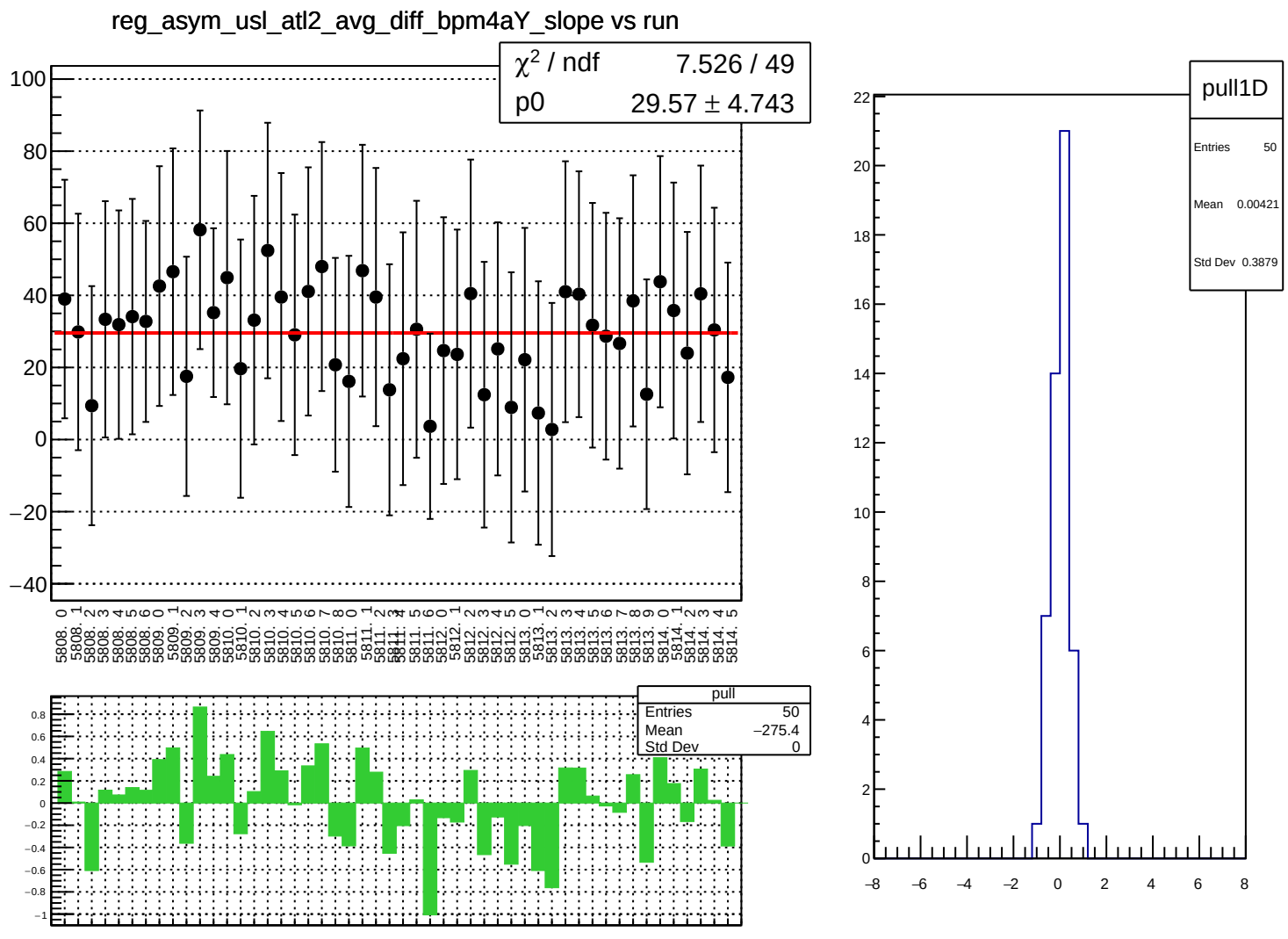

pull1D
Entries 50
Mean 0.01844
Std Dev 1.009

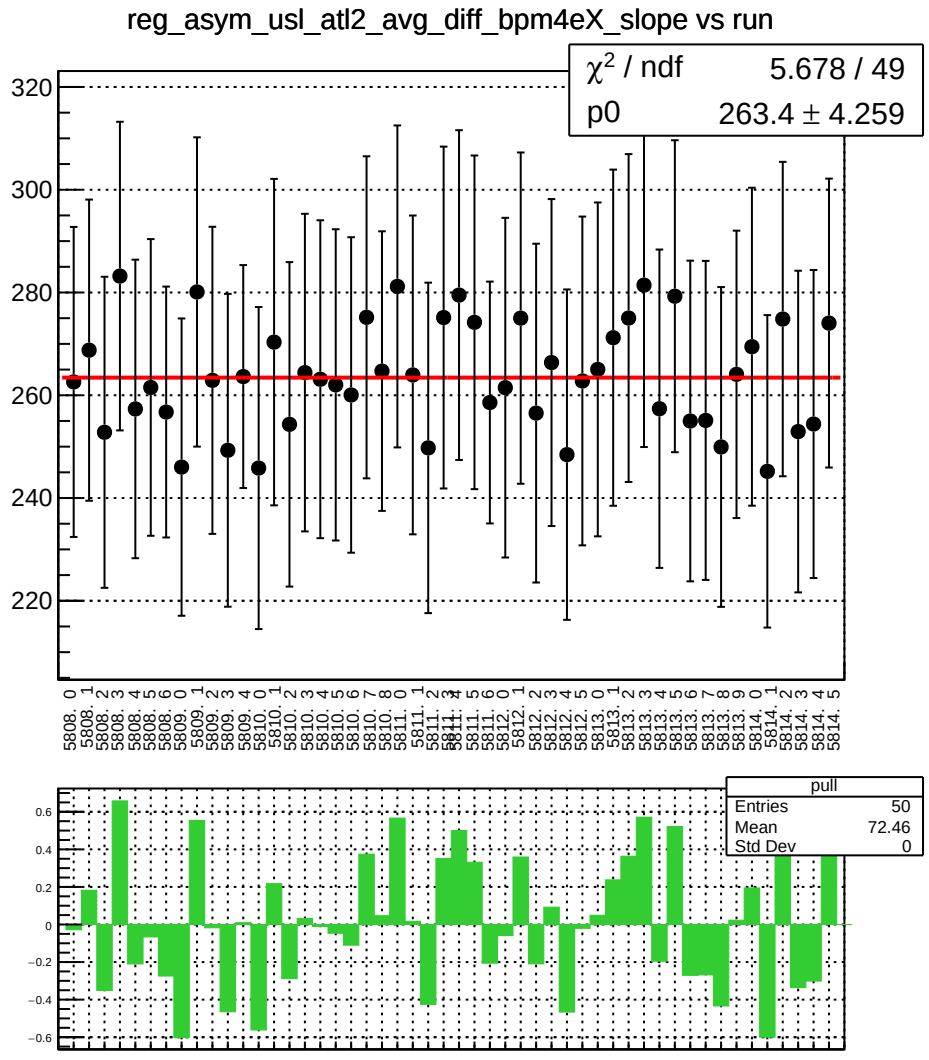

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 42.94 / 49
p0 22.53 ± 2.639
pull
Entries 50
Mean 48.99
Std Dev 0

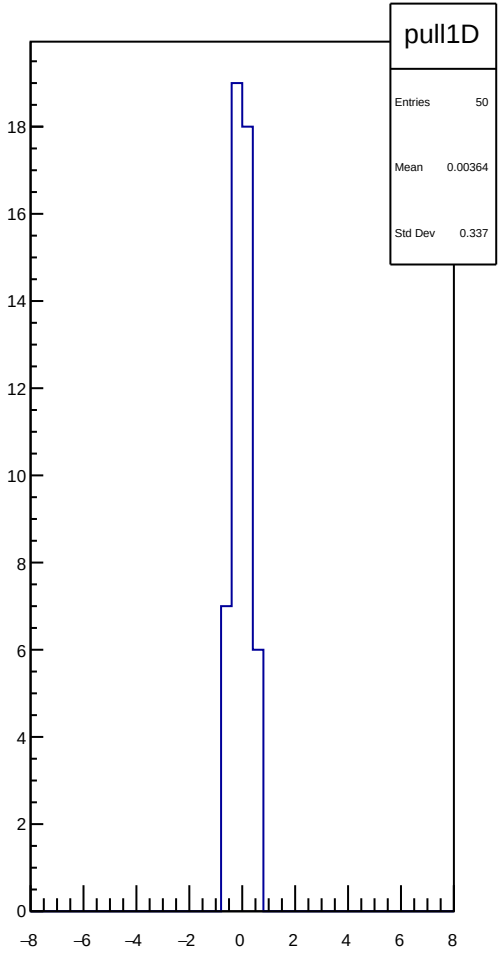

pull1D
Entries 50
Mean −0.01544
Std Dev 0.9266

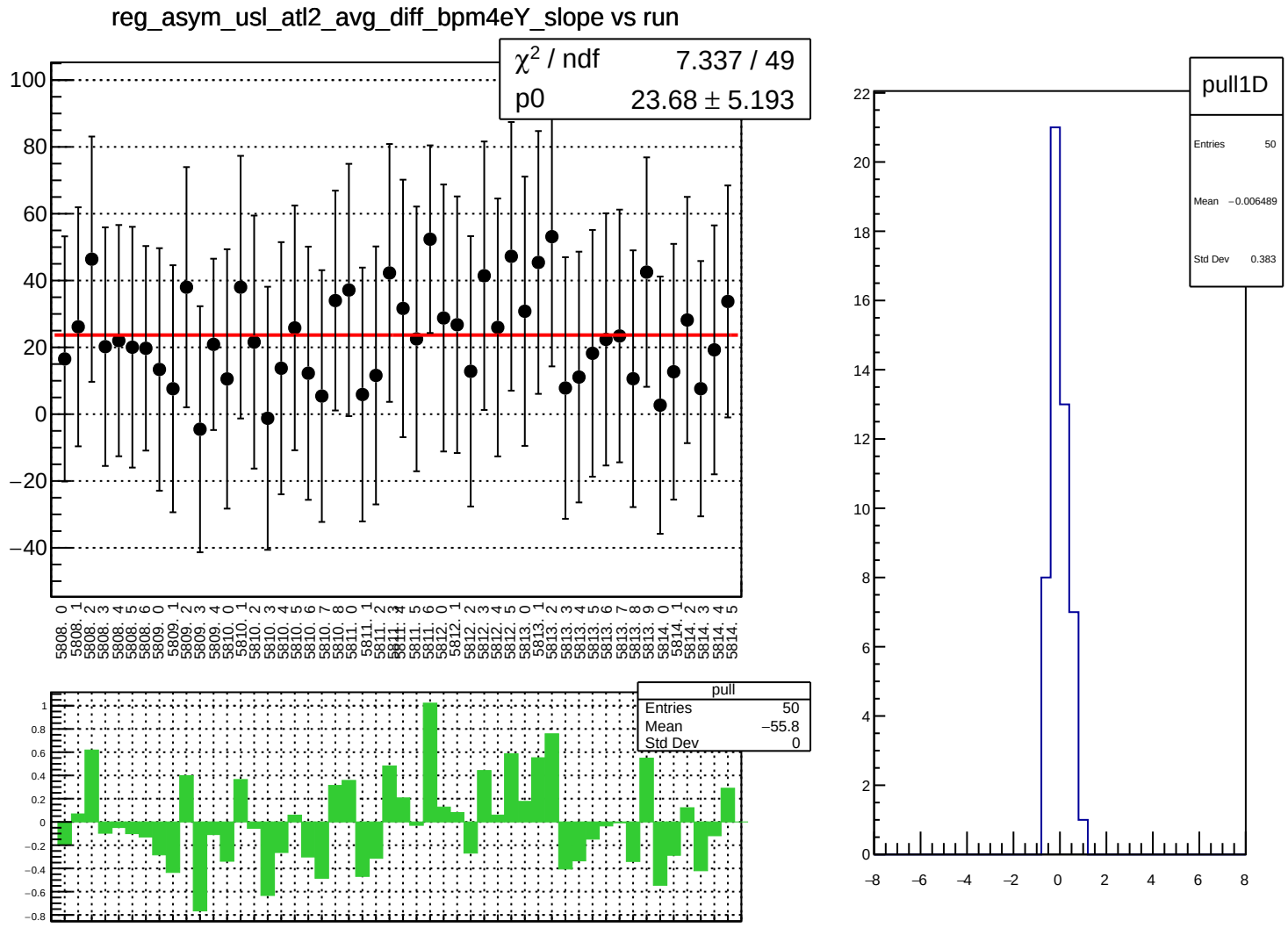

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 44.39 / 49
p0 2.176 ± 0.1656
pull
Entries 50
Mean 171.4
Std Dev 0
pull1D
Entries 50
Mean −0.0228
Std Dev 0.942

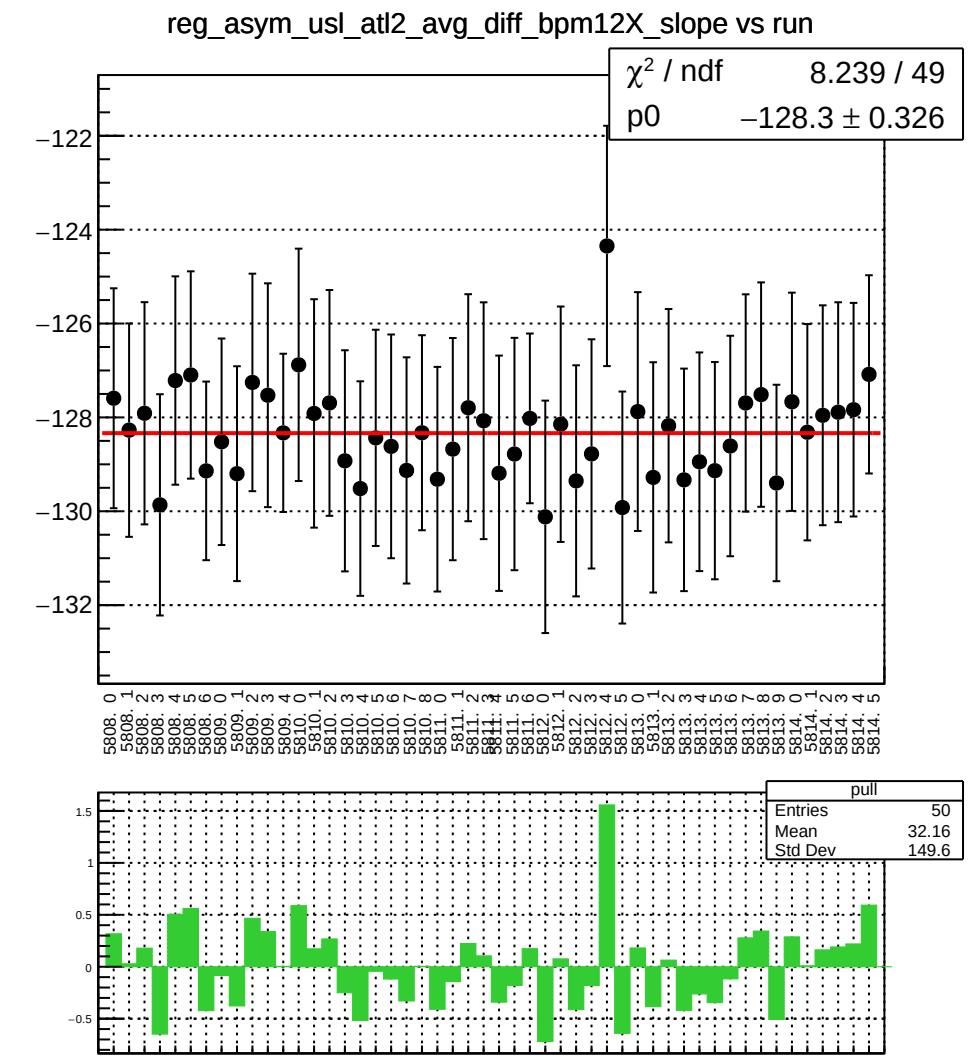

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 7.647 / 49
p0 −198.7 ± 2.973
pull
Entries 50
Mean 209.2
Std Dev 0
pull1D
Entries 50
Mean −0.01007
Std Dev 0.3909

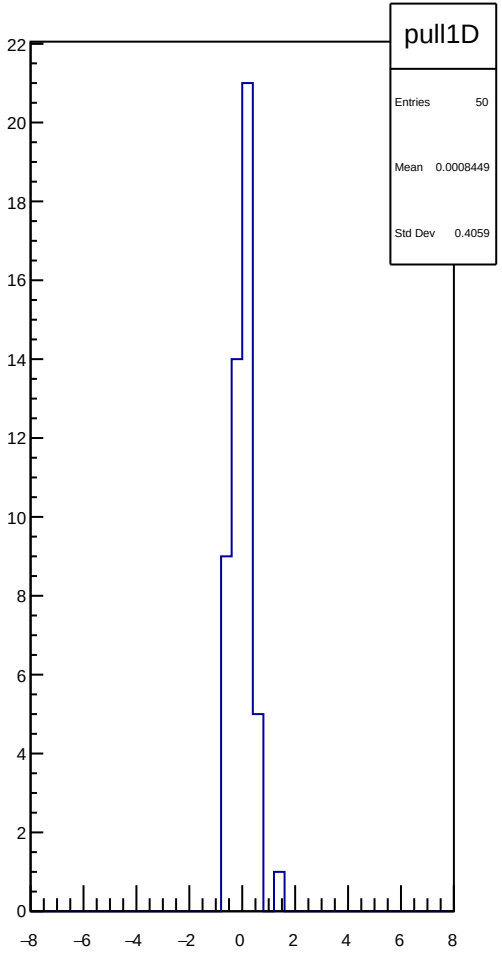

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.526 / 49
p0 29.57 ± 4.743
pull
Entries 50
Mean −275.4
Std Dev 0
pull1D
Entries 50
Mean 0.00421
Std Dev 0.3879

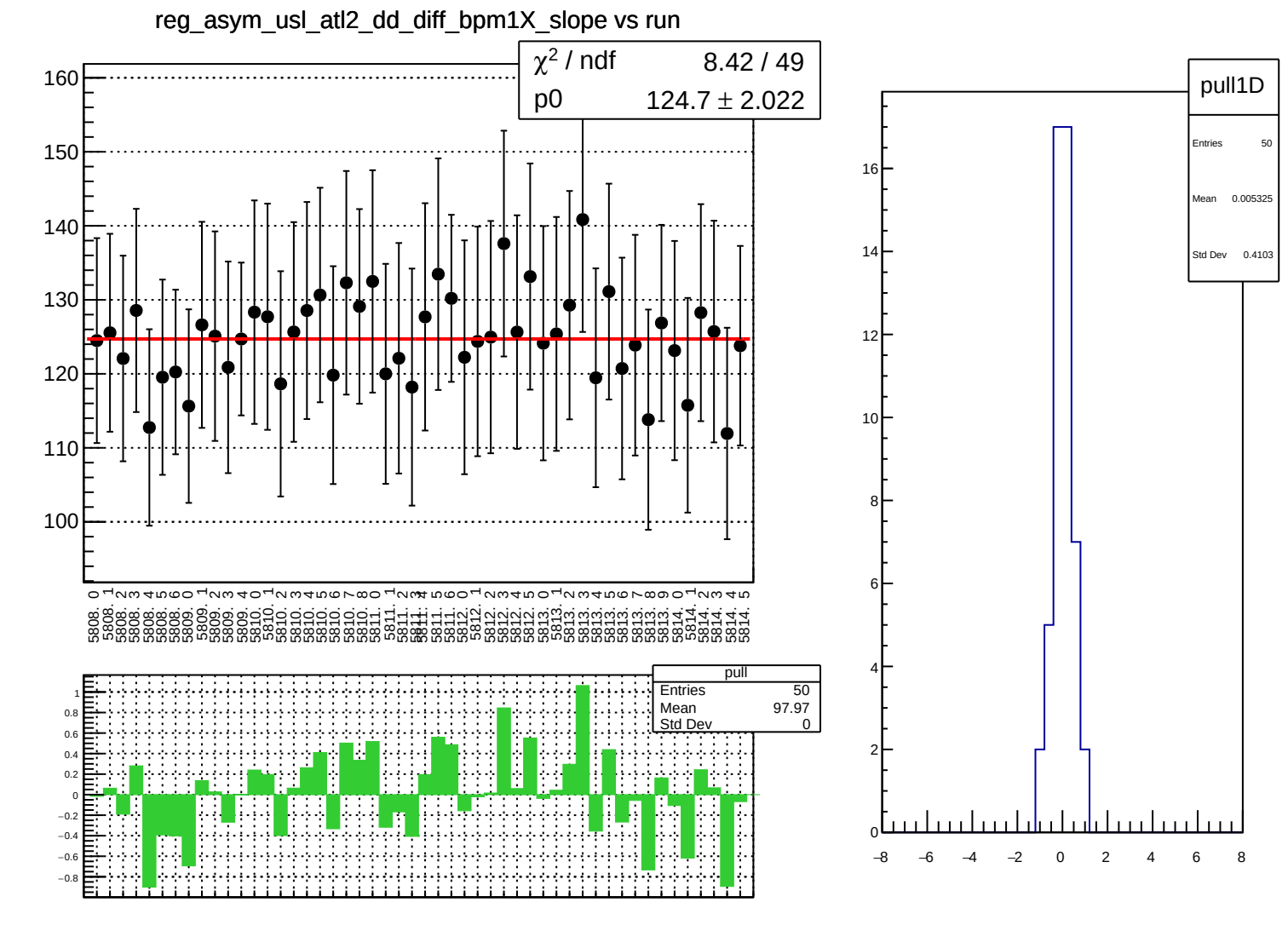

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.678 / 49
p0 263.4 ± 4.259
pull
Entries 50
Mean 72.46
Std Dev 0

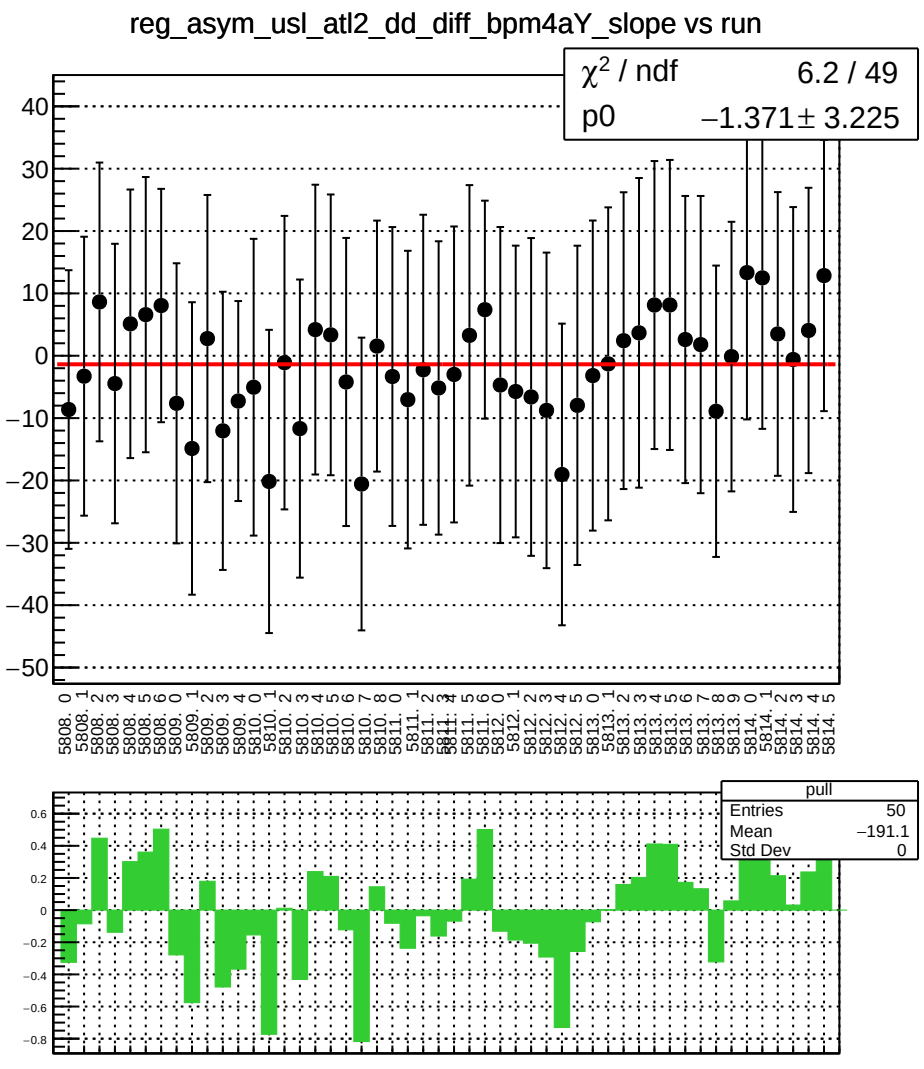

pull1D
Entries 50
Mean 0.00364
Std Dev 0.337

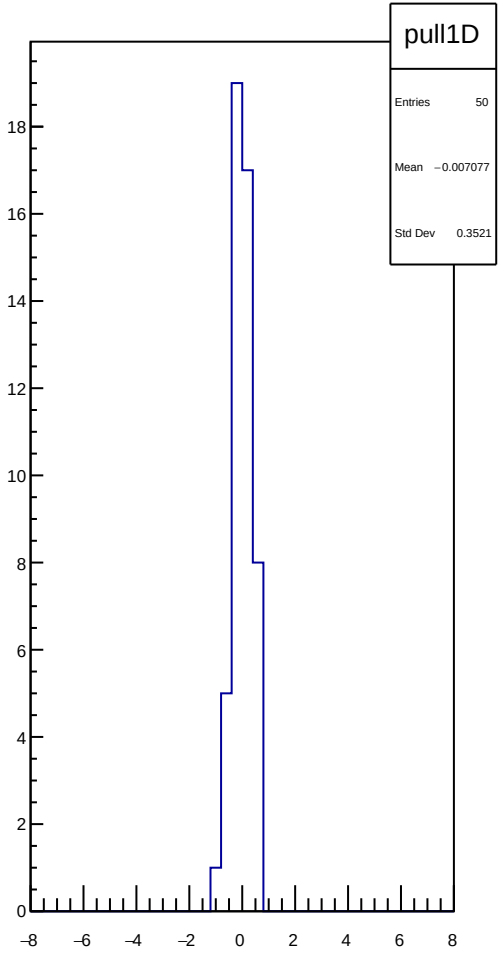

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.337 / 49
p0 23.68 ± 5.193
pull
Entries 50
Mean −55.8
Std Dev 0
pull1D
Entries 50
Mean −0.006489
Std Dev 0.383

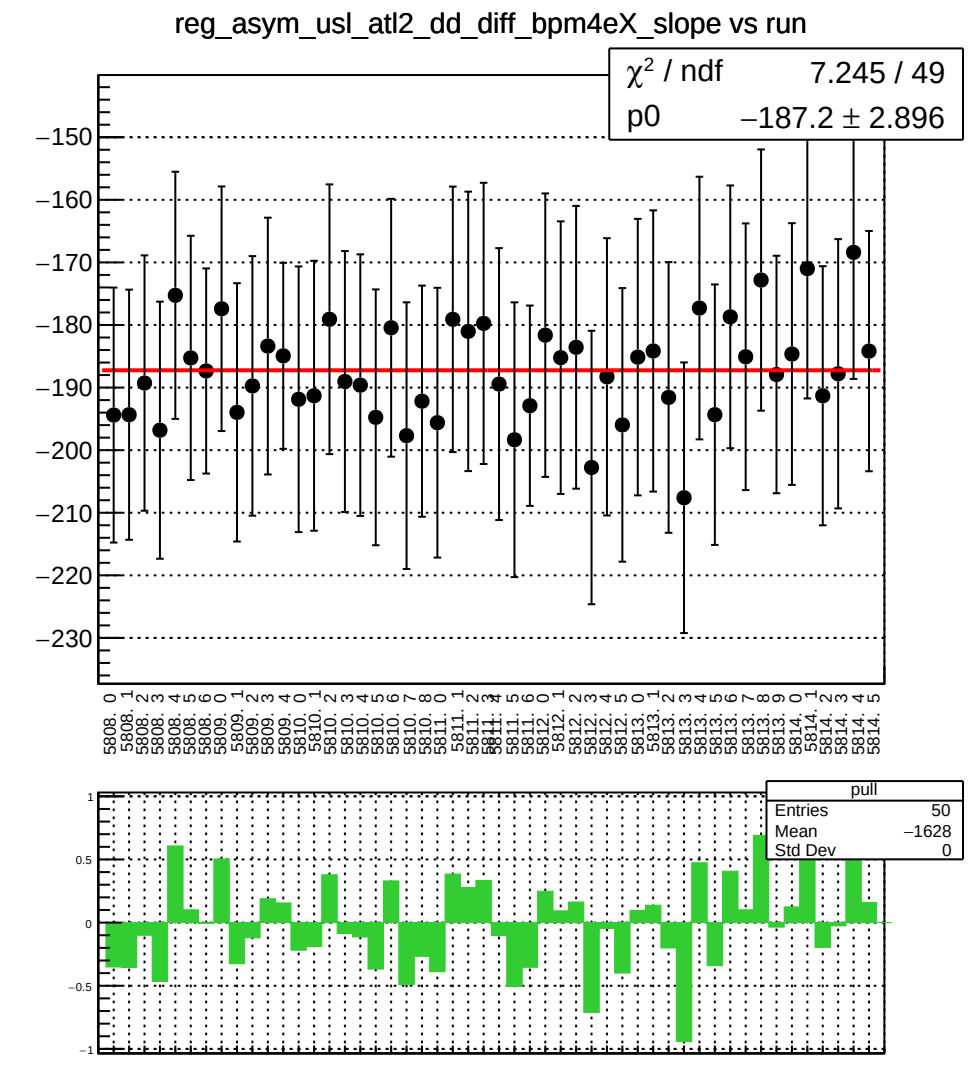

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 8.239 / 49
p0 −128.3 ± 0.326
pull
Entries 50
Mean 32.16
Std Dev 149.6

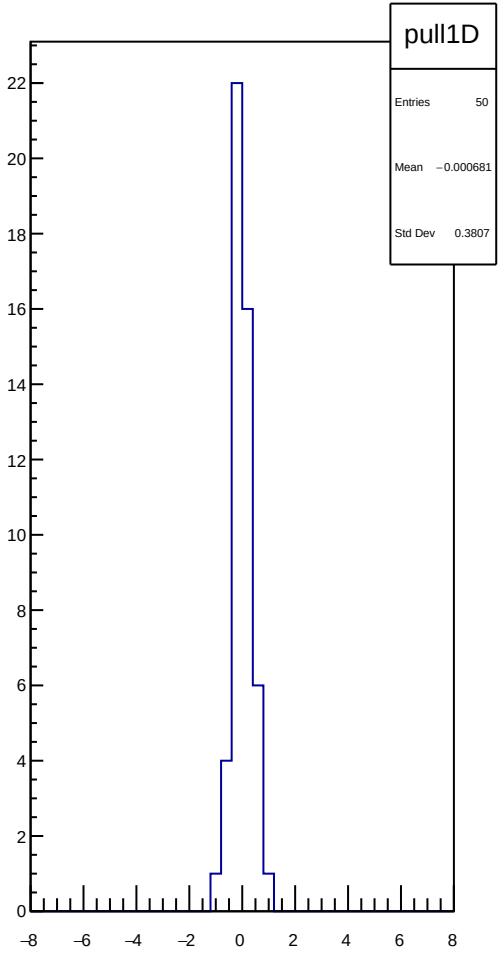

pull1D
Entries 50
Mean 0.0008449
Std Dev 0.4059

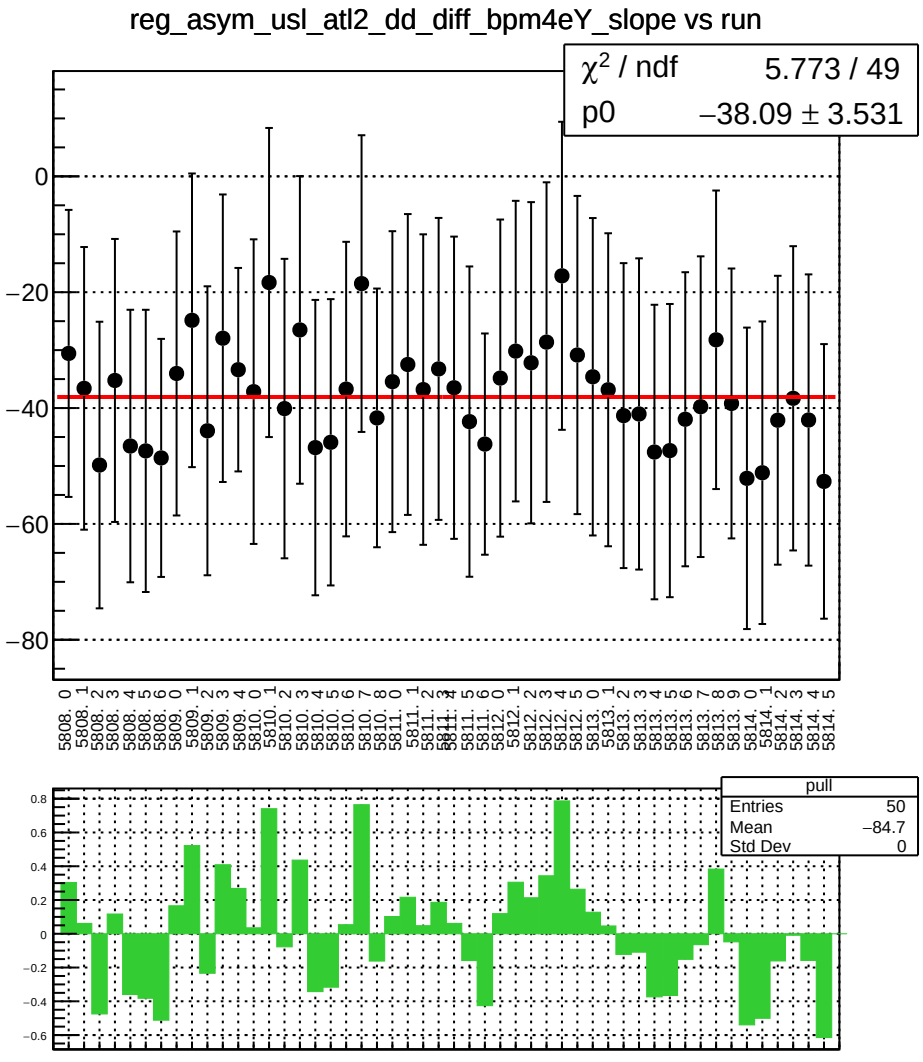

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 8.42 / 49
p0 124.7 ± 2.022
160
150
140
130
120
110
100
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 97.97
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.005325
Std Dev 0.4103
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

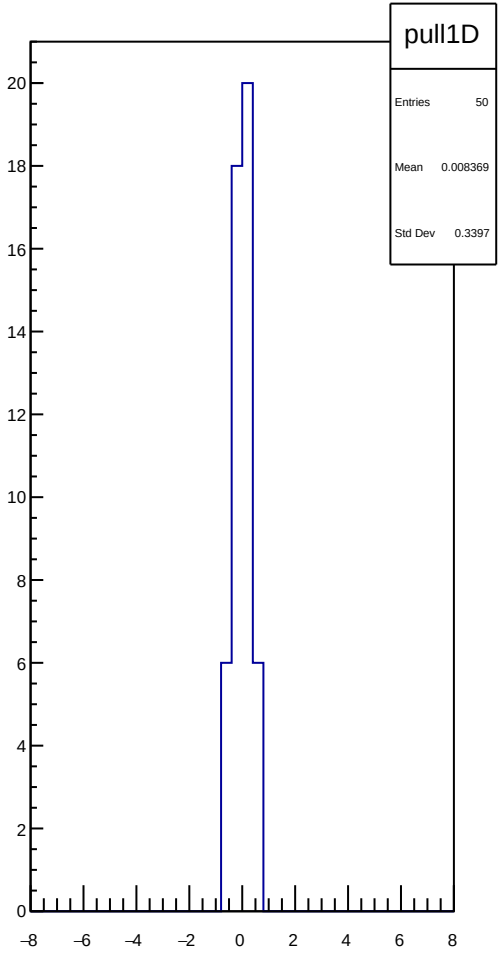

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.2 / 49
p0 −1.371± 3.225
pull
Entries 50
Mean −191.1
Std Dev 0

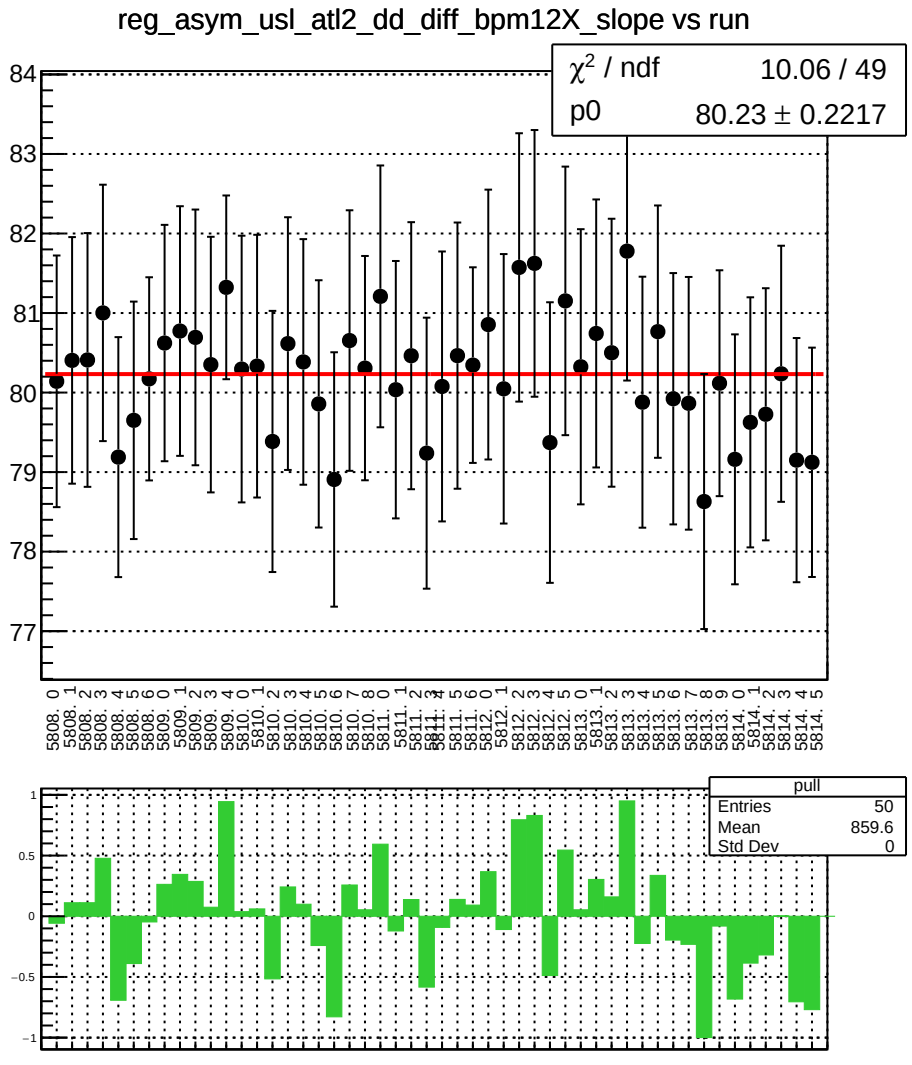

pull1D
Entries 50
Mean −0.007077
Std Dev 0.3521

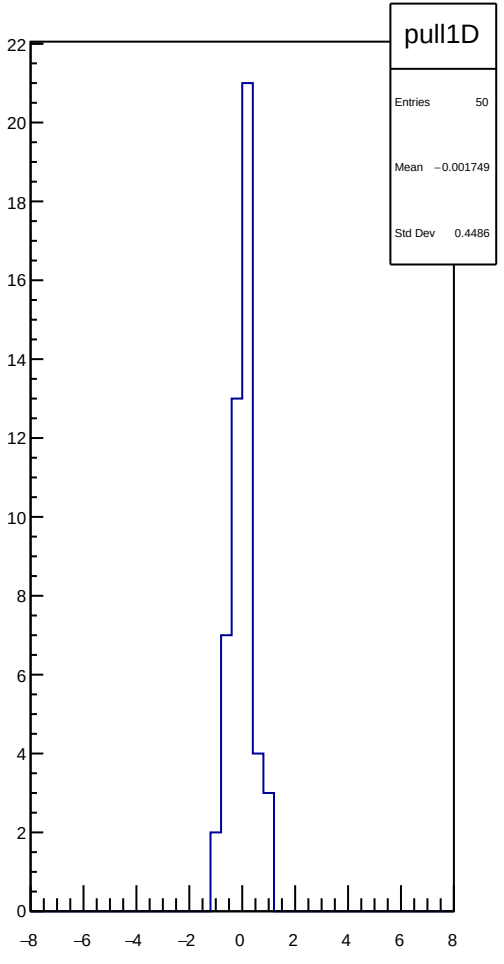

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 7.245 / 49
p0 −187.2 ± 2.896
pull
Entries 50
Mean −1628
Std Dev 0

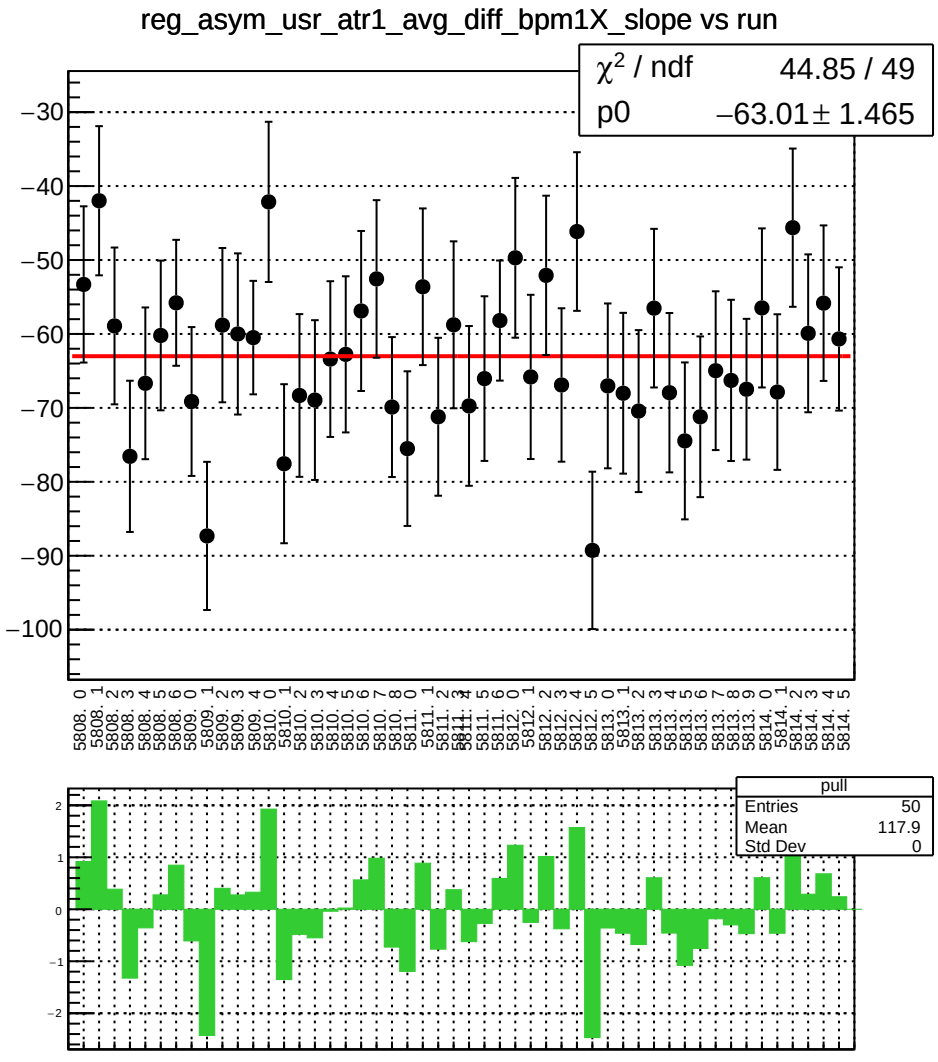

pull1D
Entries 50
Mean −0.000681
Std Dev 0.3807

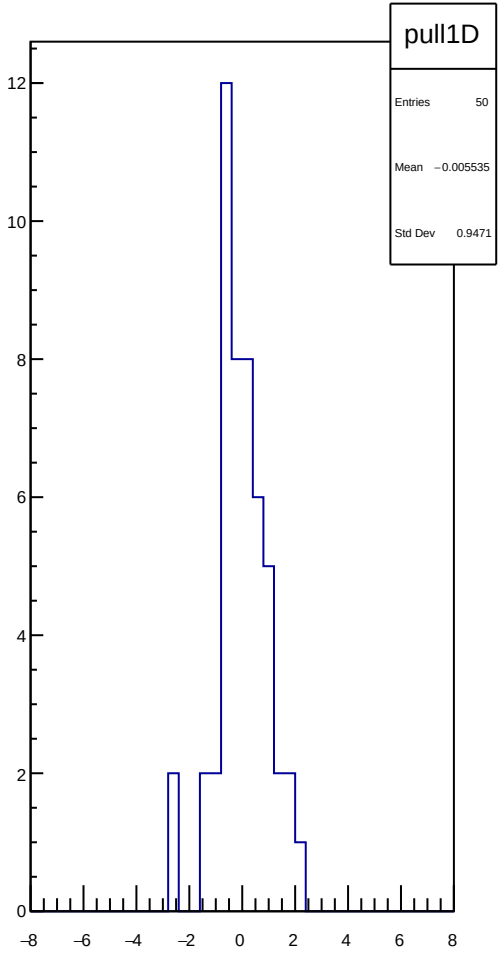

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.773 / 49
p0 −38.09 ± 3.531
pull
Entries 50
Mean −84.7
Std Dev 0

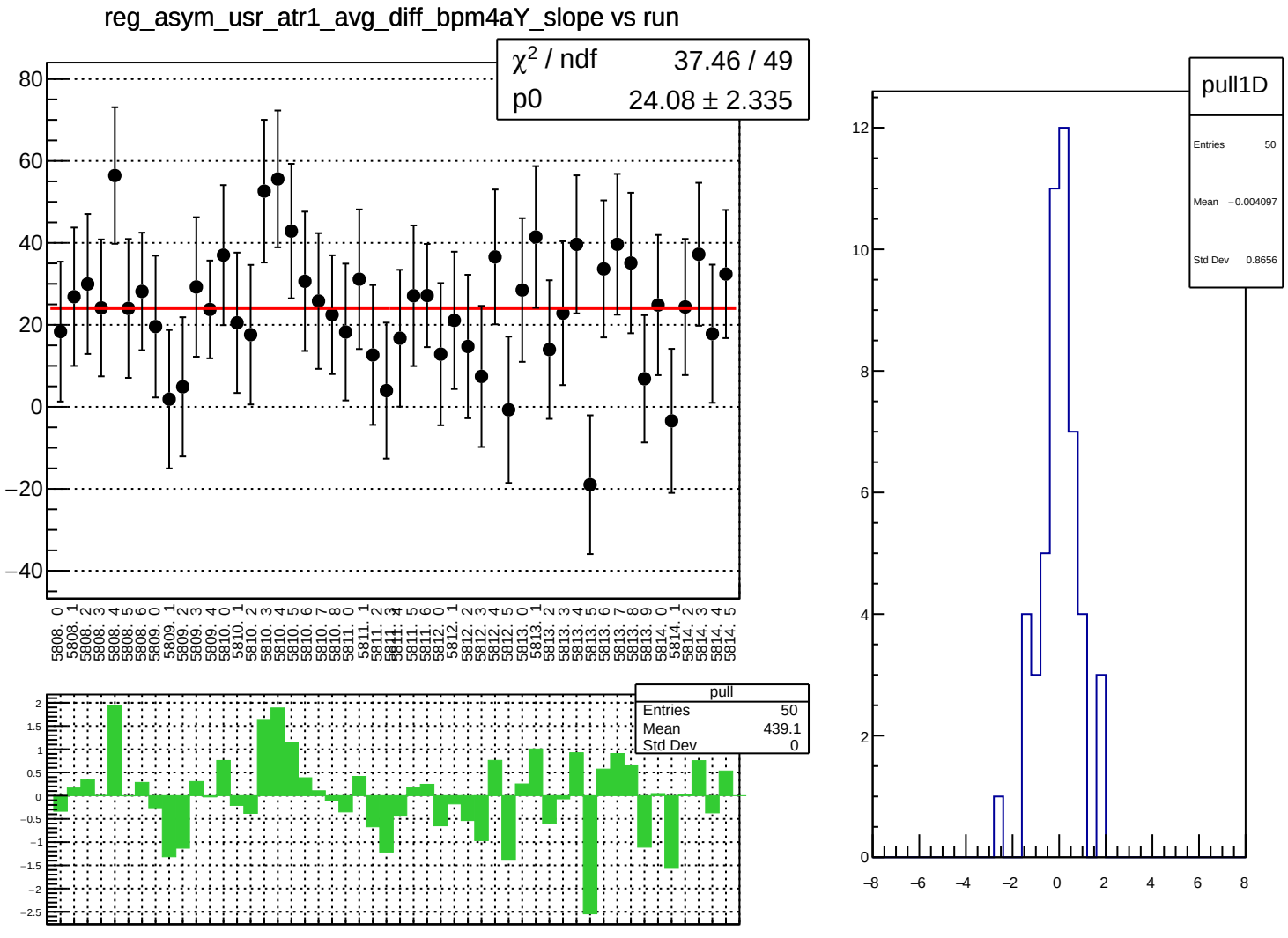

pull1D
Entries 50
Mean 0.008369
Std Dev 0.3397

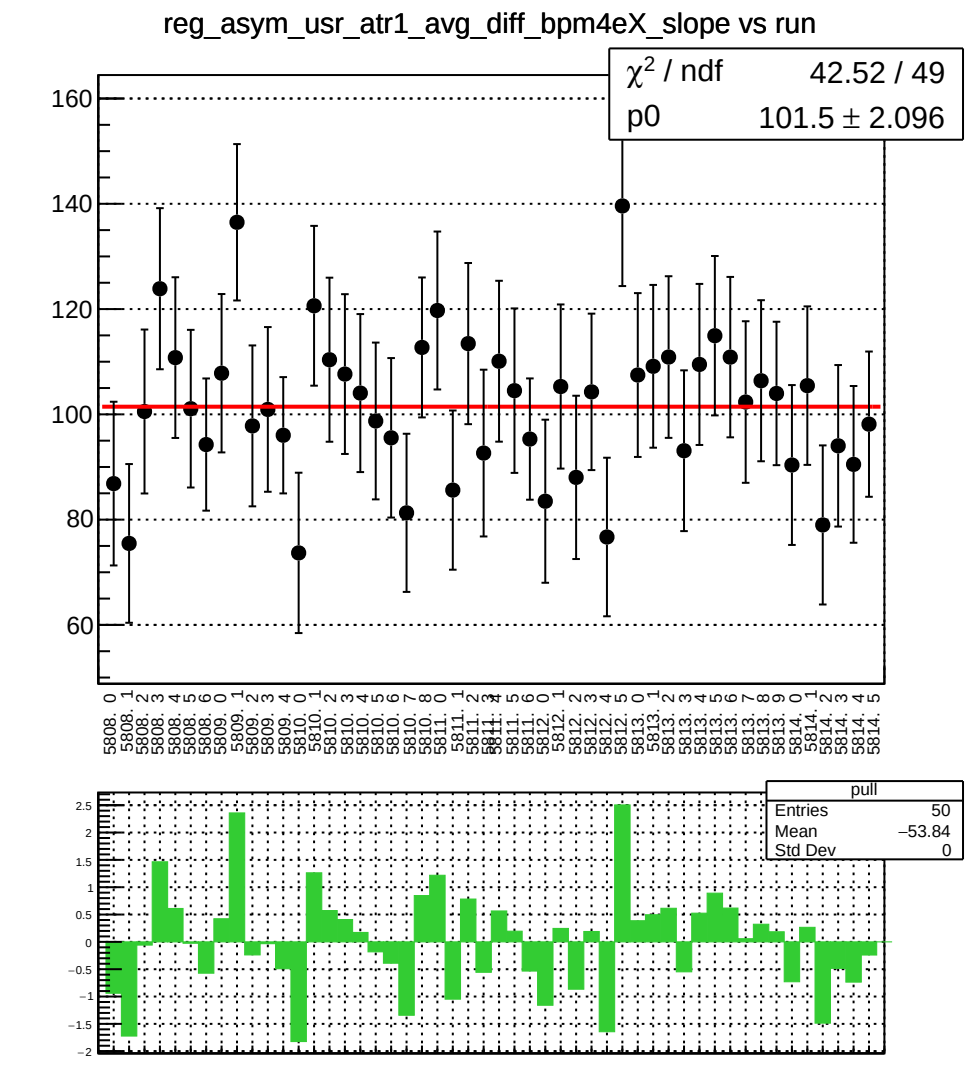

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.06 / 49
p0 80.23 ± 0.2217
pull
Entries 50
Mean 859.6
Std Dev 0


pull1D
Entries 50
Mean −0.001749
Std Dev 0.4486


reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 44.85 / 49
p0 −63.01 ± 1.465
pull
Entries 50
Mean 117.9
Std Dev 0


pull1D
Entries 50
Mean −0.005535
Std Dev 0.9471


reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.46 / 49
p0 24.08 ± 2.335
pull
Entries 50
Mean 439.1
Std Dev 0
pull1D
Entries 50
Mean −0.004097
Std Dev 0.8656


reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 42.52 / 49
p0 101.5 ± 2.096
160
140
120
100
80
60
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
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5810. 8
5810. 9
5811. 0
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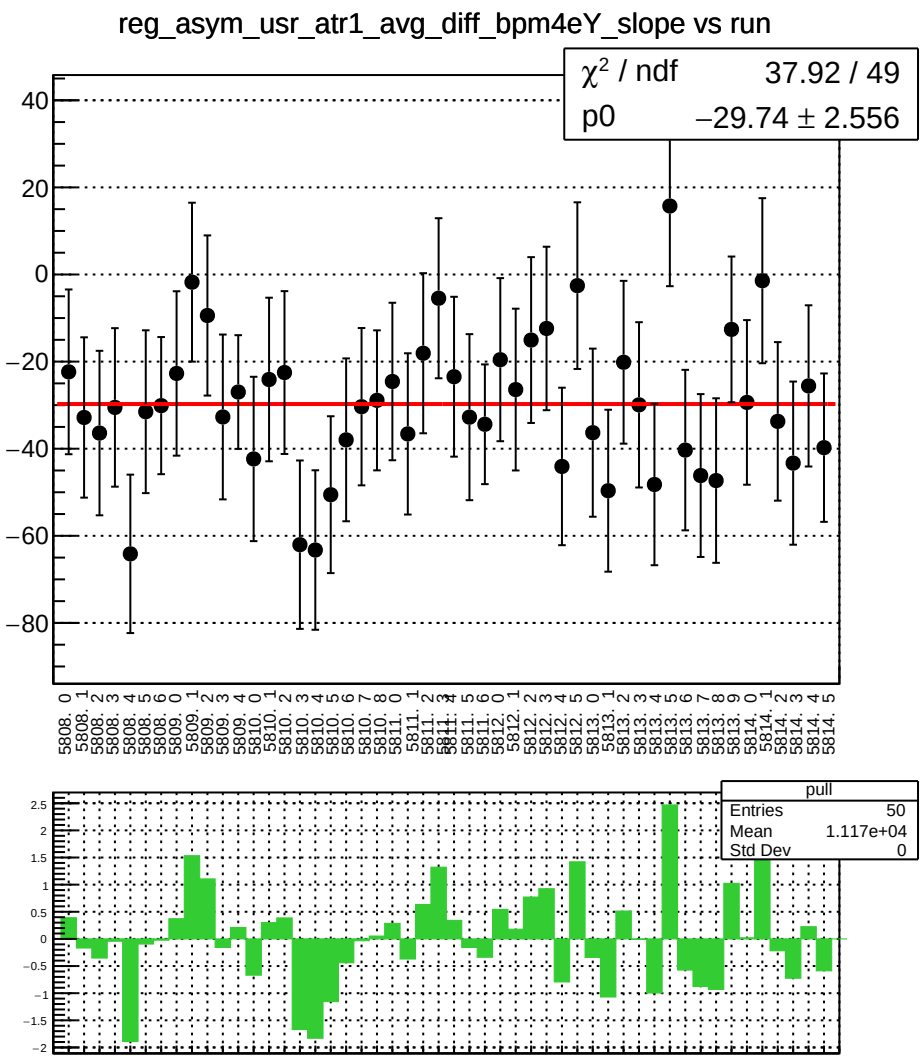
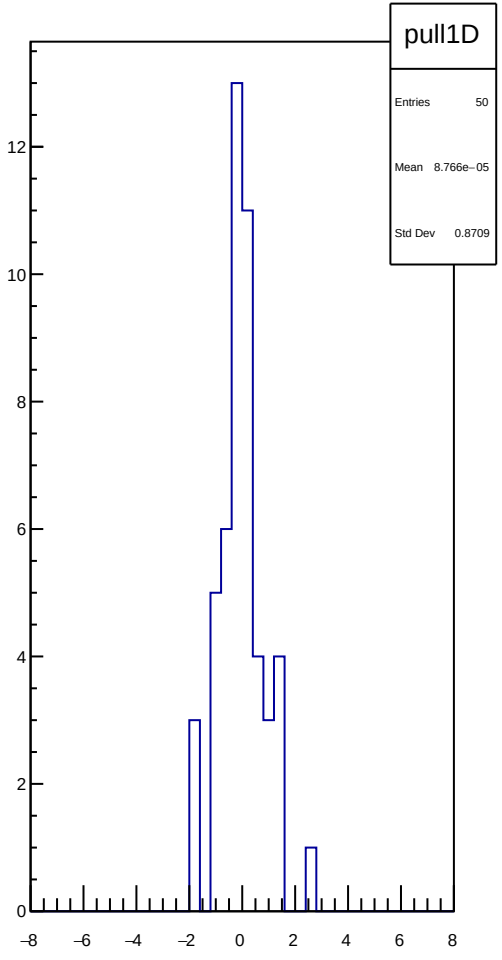
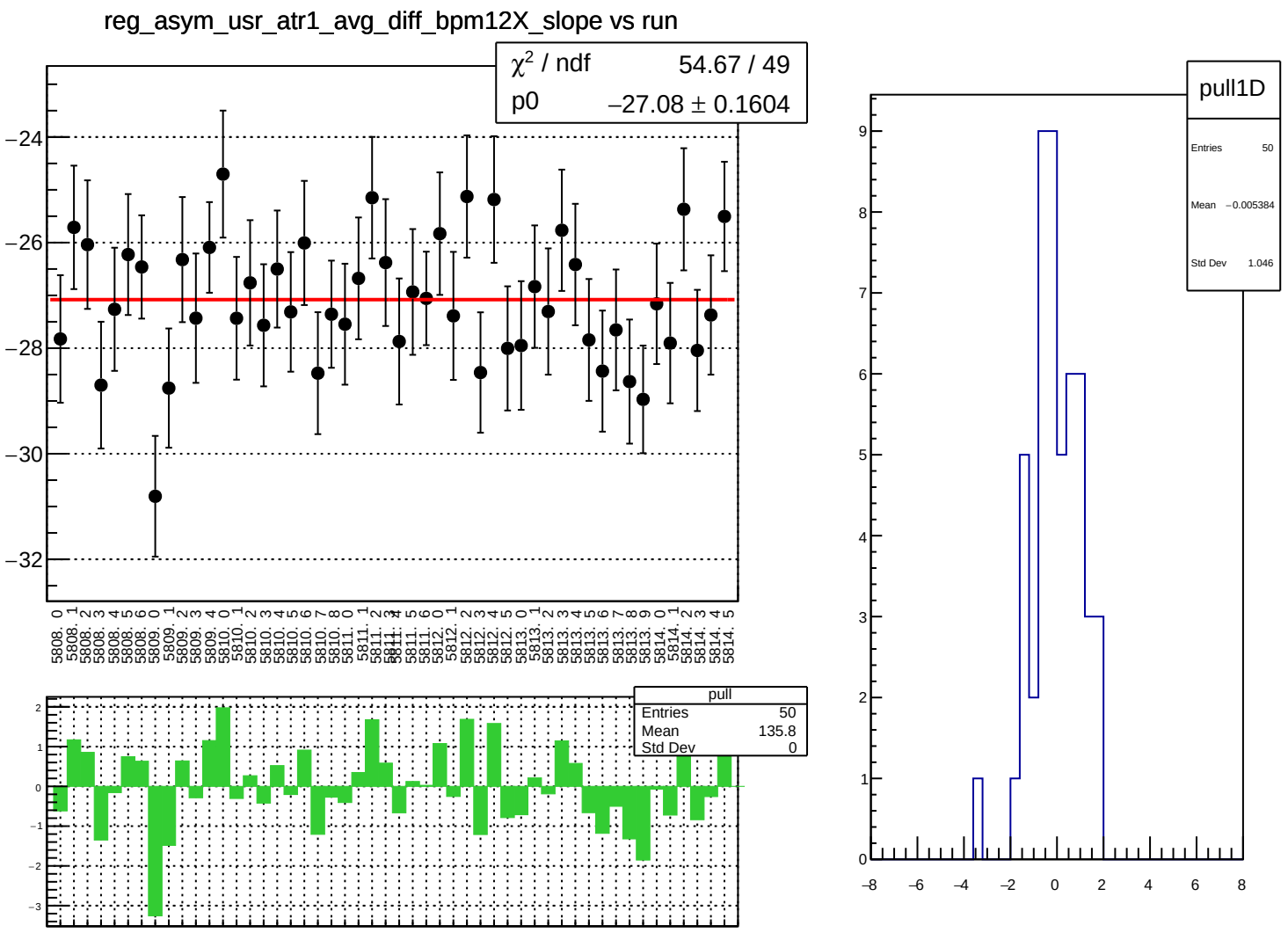
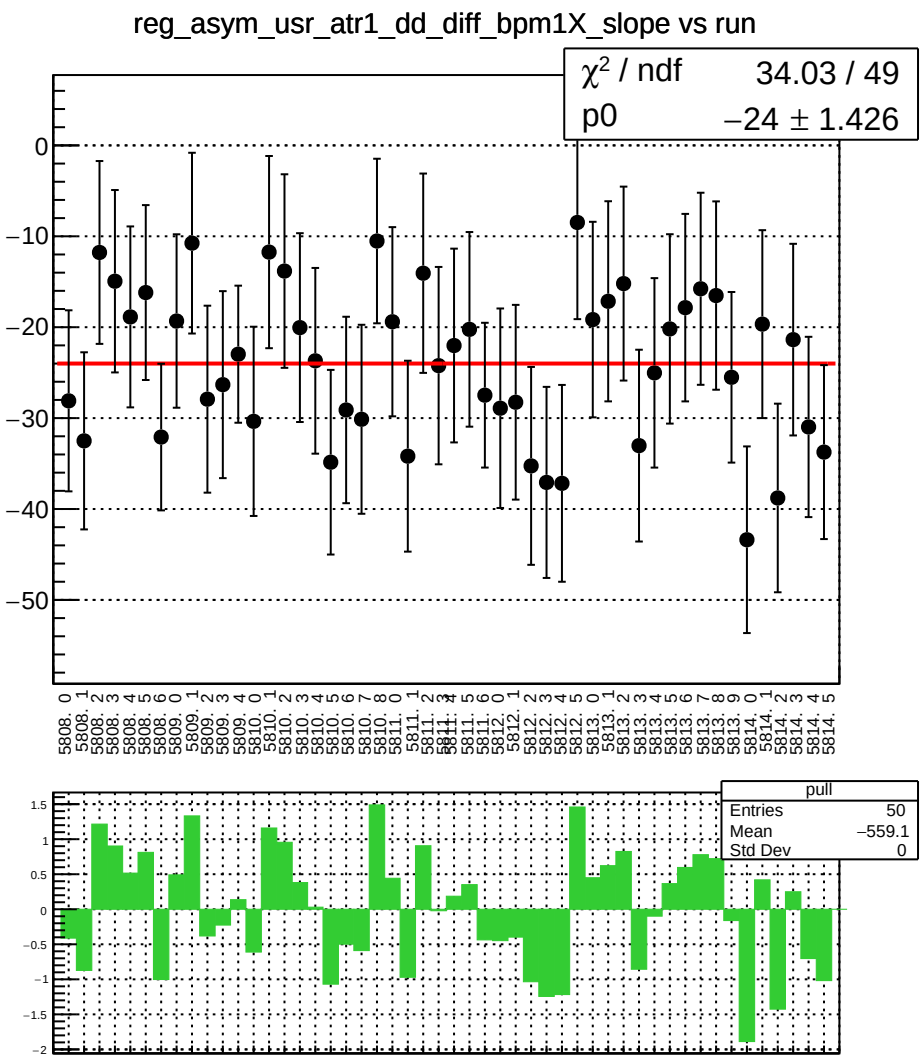
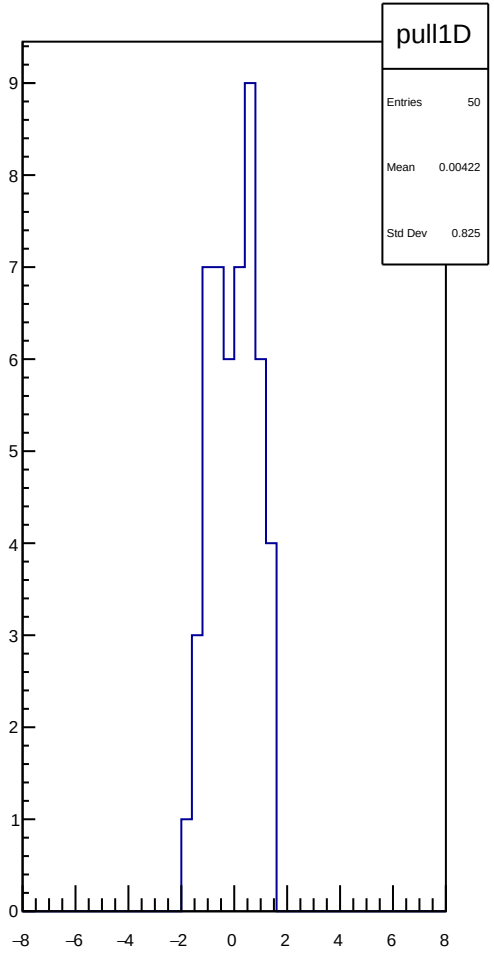
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −53.84
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.00664
Std Dev 0.9221
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

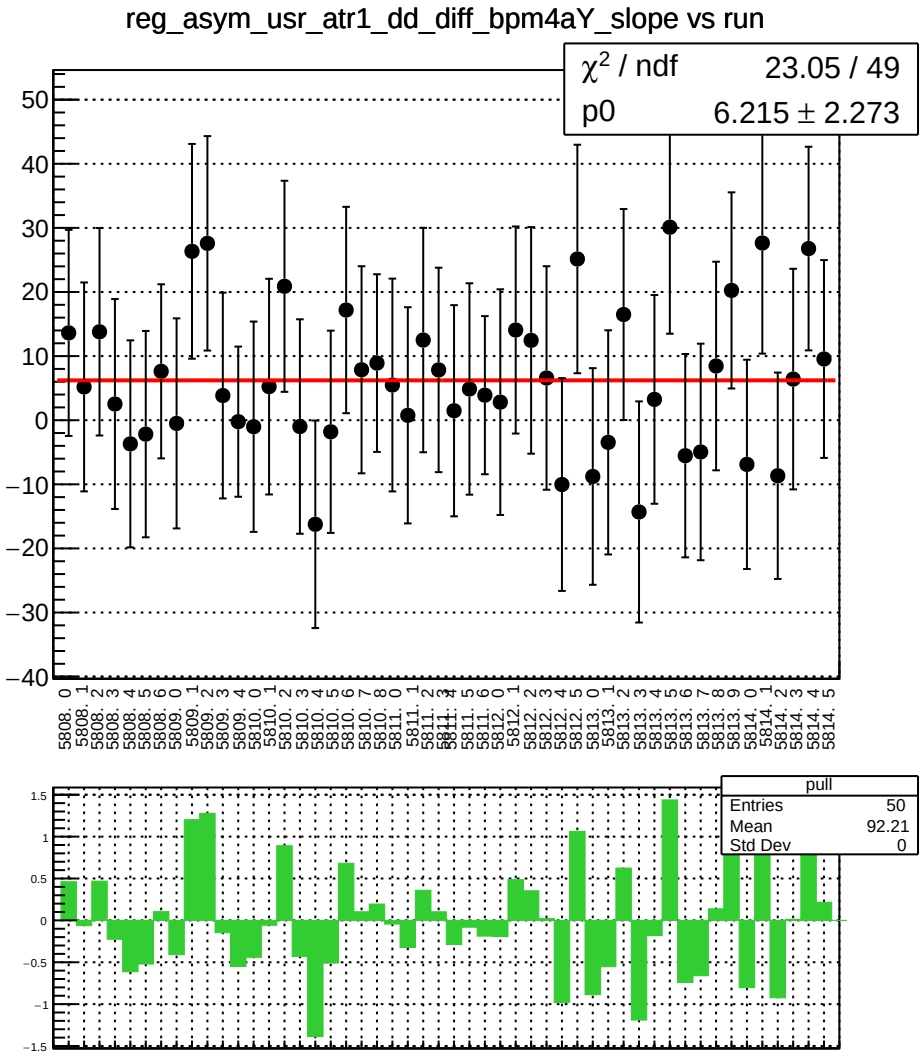

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 37.92 / 49
p0 −29.74 ± 2.556
pull
Entries 50
Mean 1.117e+04
Std Dev 0

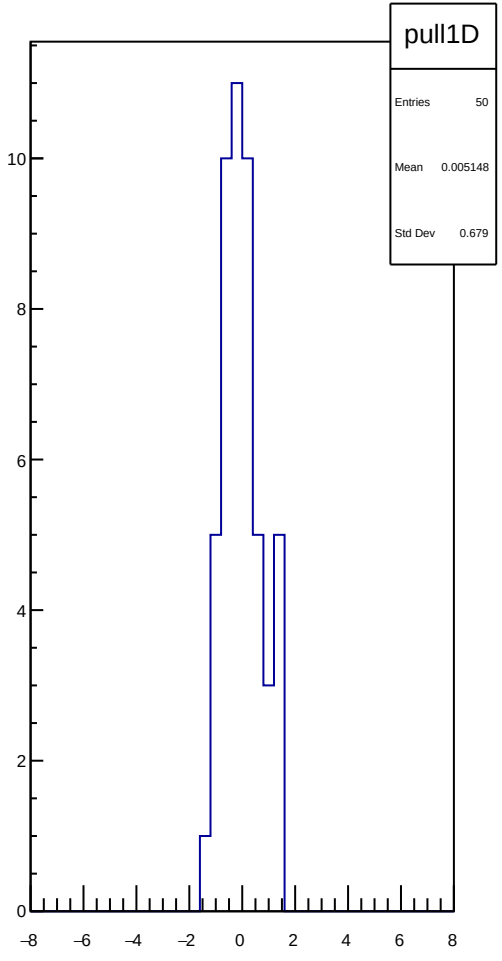

pull1D
Entries 50
Mean 8.766e−05
Std Dev 0.8709

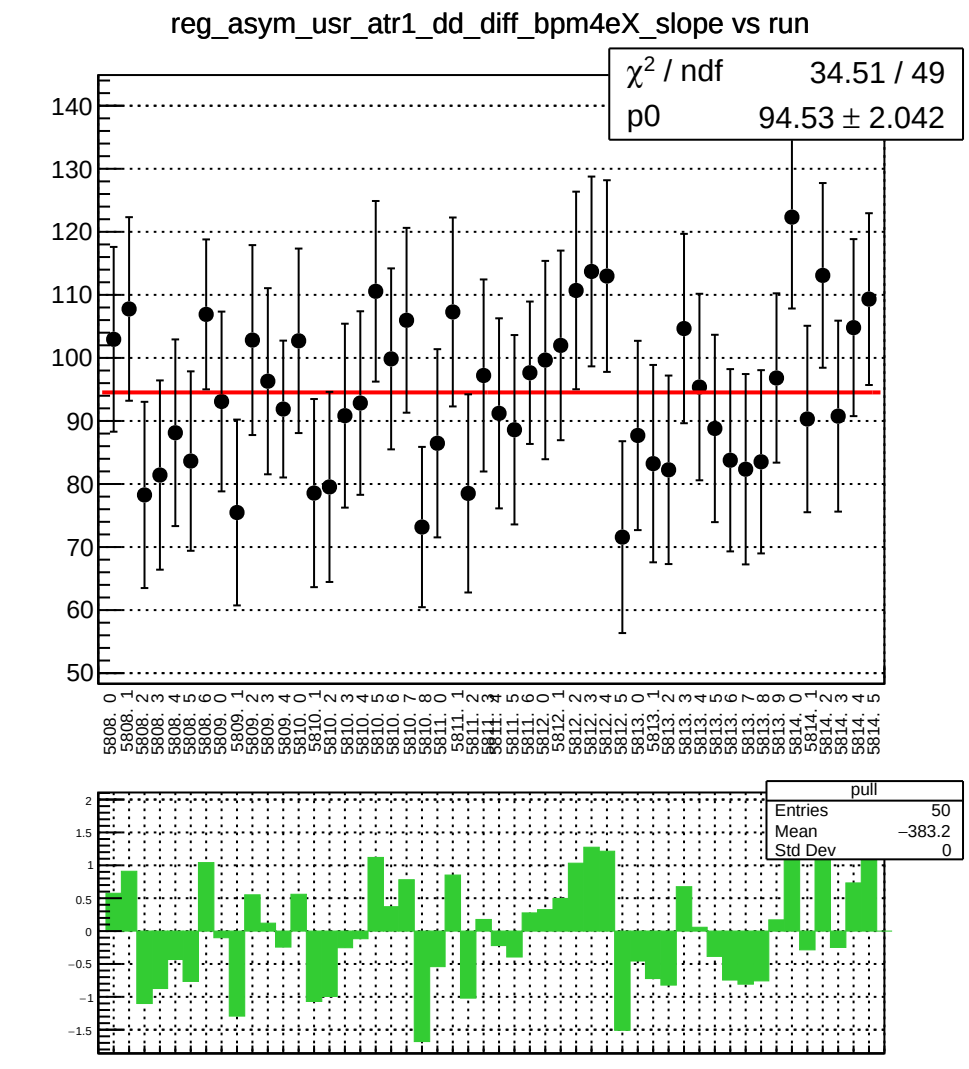

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 54.67 / 49
p0 −27.08 ± 0.1604
pull
Entries 50
Mean 135.8
Std Dev 0
pull1D
Entries 50
Mean −0.005384
Std Dev 1.046

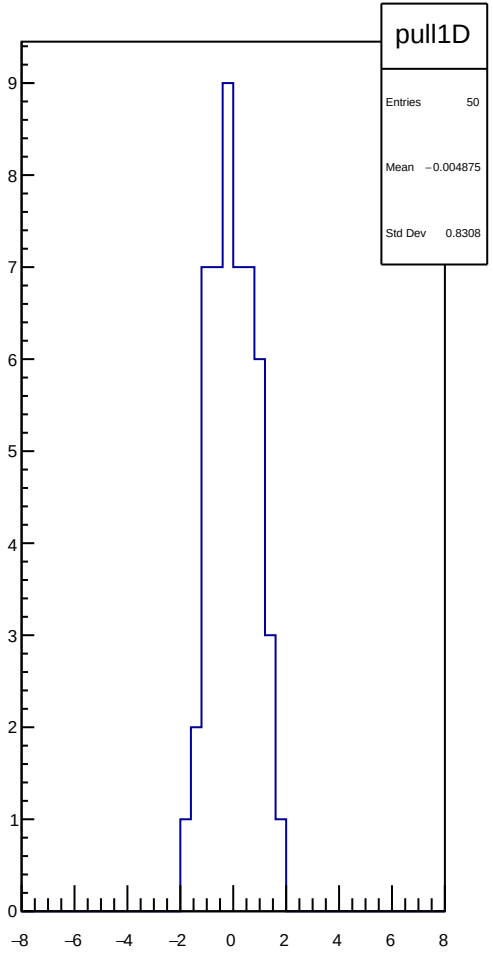

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 34.03 / 49
p0 −24 ± 1.426
pull
Entries 50
Mean −559.1
Std Dev 0

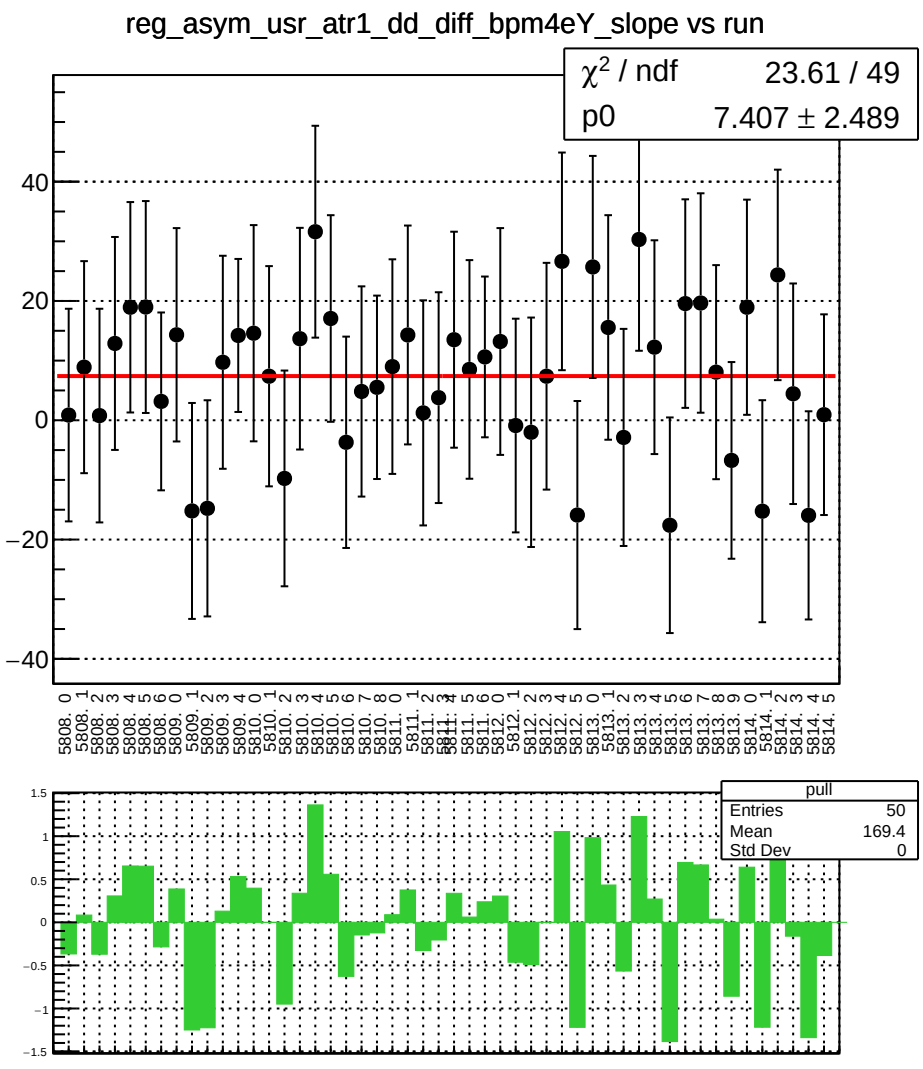

pull1D
Entries 50
Mean 0.00422
Std Dev 0.825

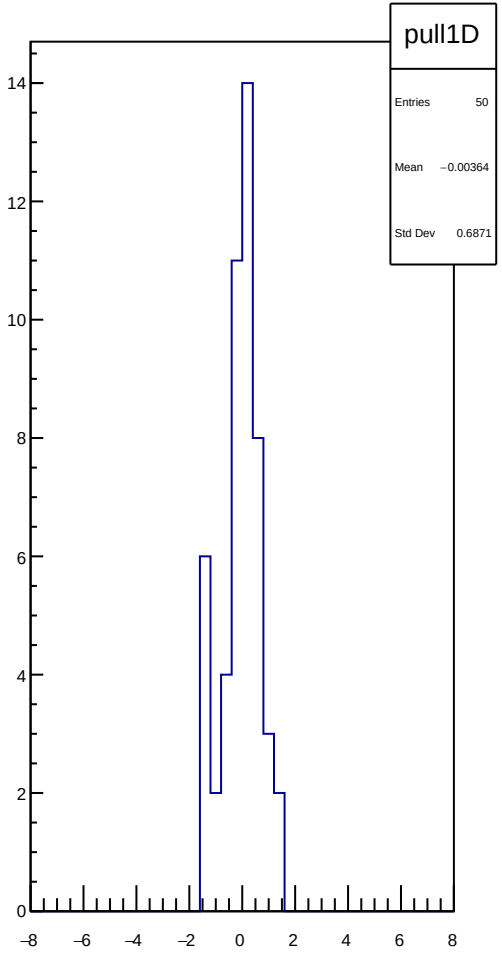

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 23.05 / 49
p0 6.215 ± 2.273
pull
Entries 50
Mean 92.21
Std Dev 0

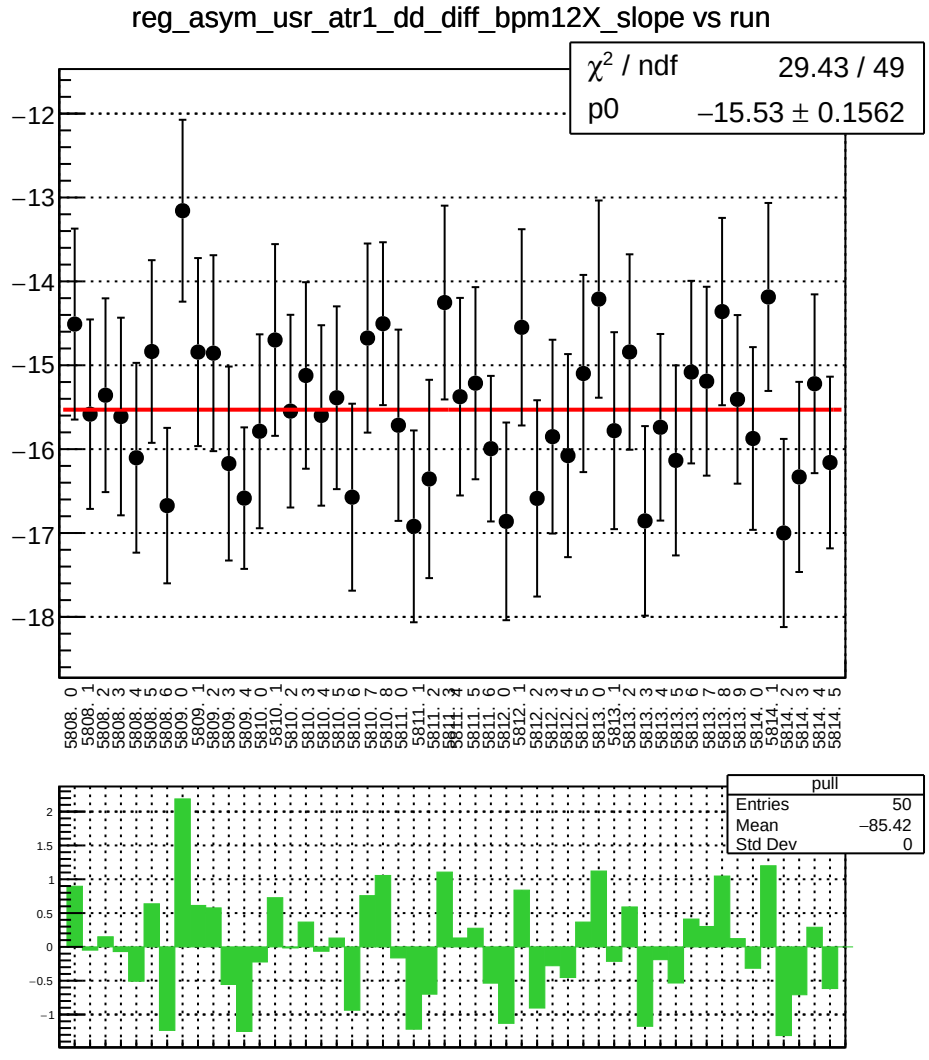

pull1D
Entries 50
Mean 0.005148
Std Dev 0.679

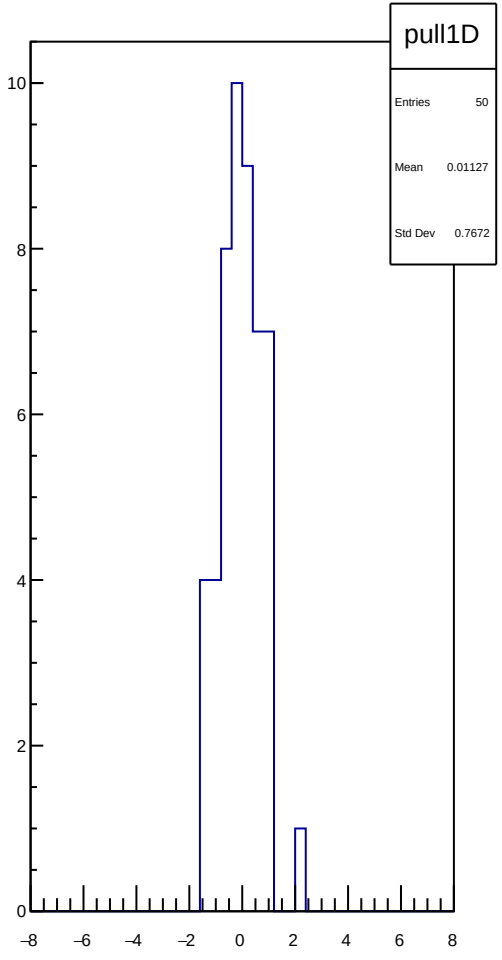

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 34.51 / 49
p0 94.53 ± 2.042
pull
Entries 50
Mean −383.2
Std Dev 0

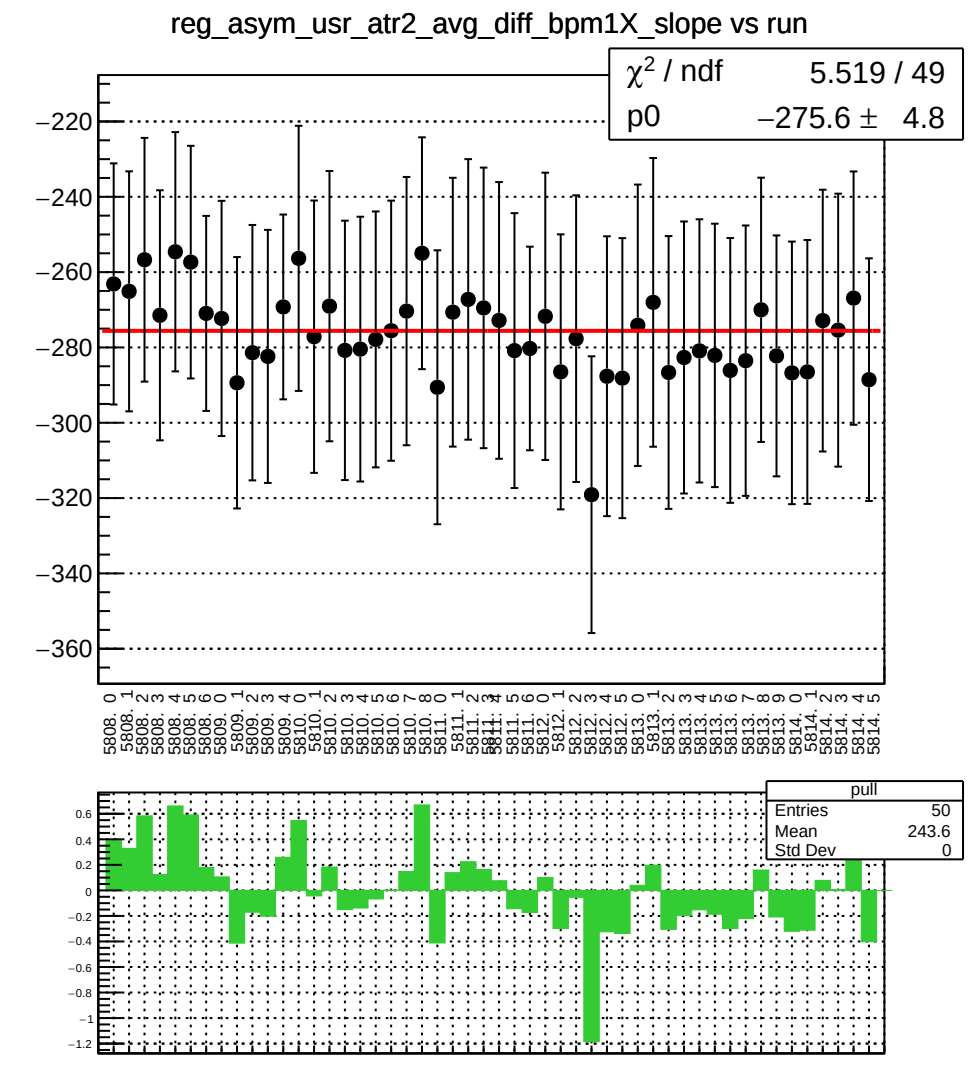

pull1D
Entries 50
Mean −0.004875
Std Dev 0.8308

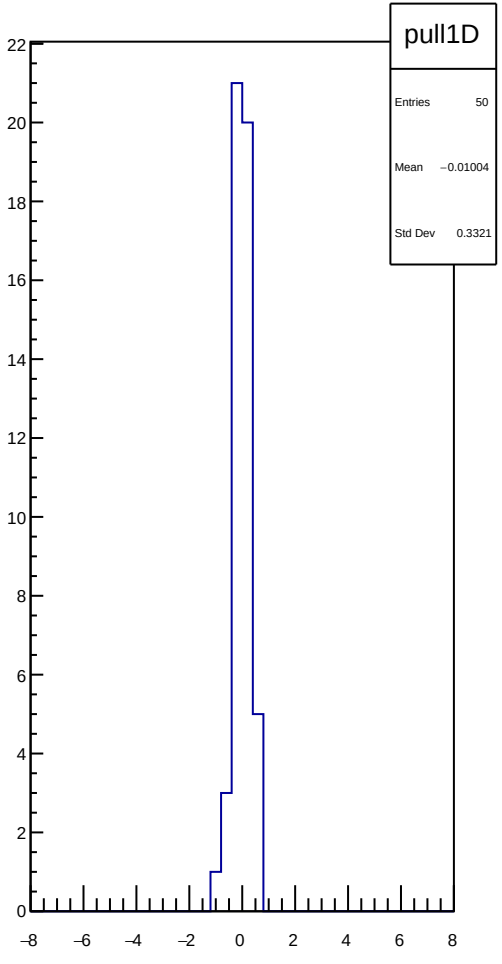

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.61 / 49
p0 7.407 ± 2.489
pull
Entries 50
Mean 169.4
Std Dev 0

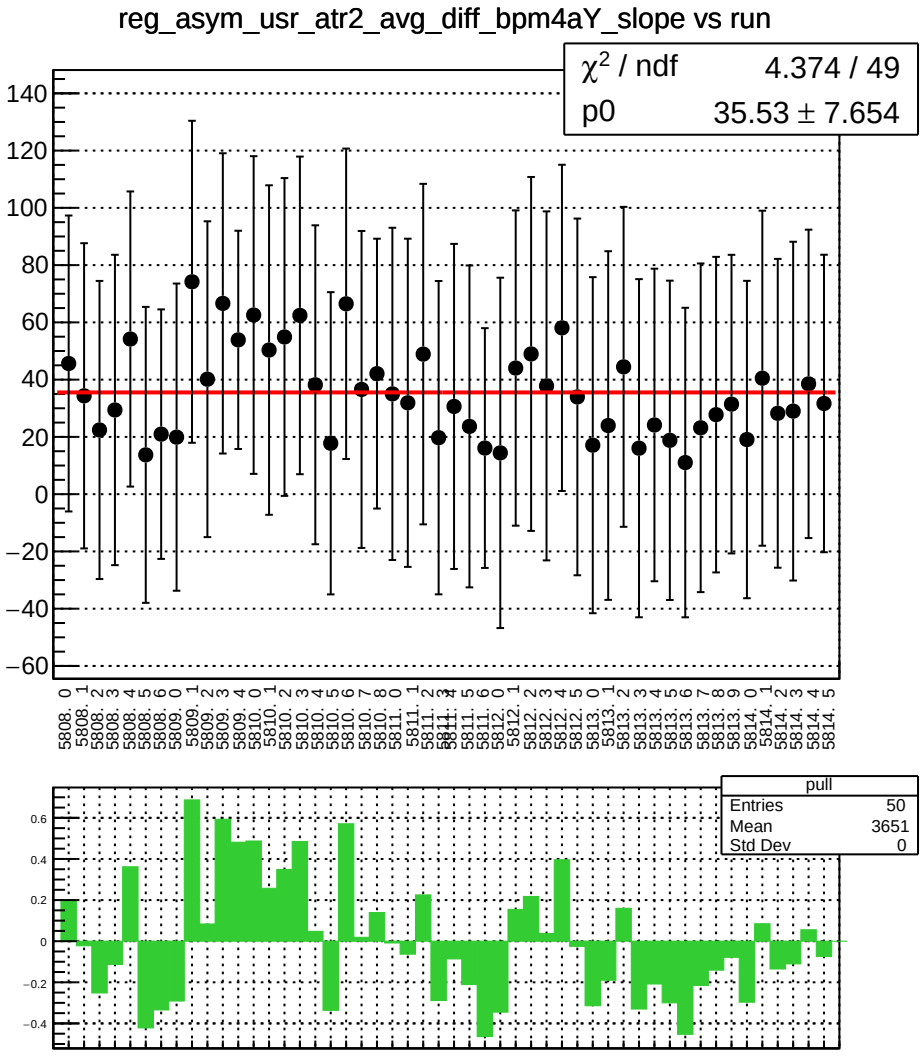

pull1D
Entries 50
Mean −0.00364
Std Dev 0.6871

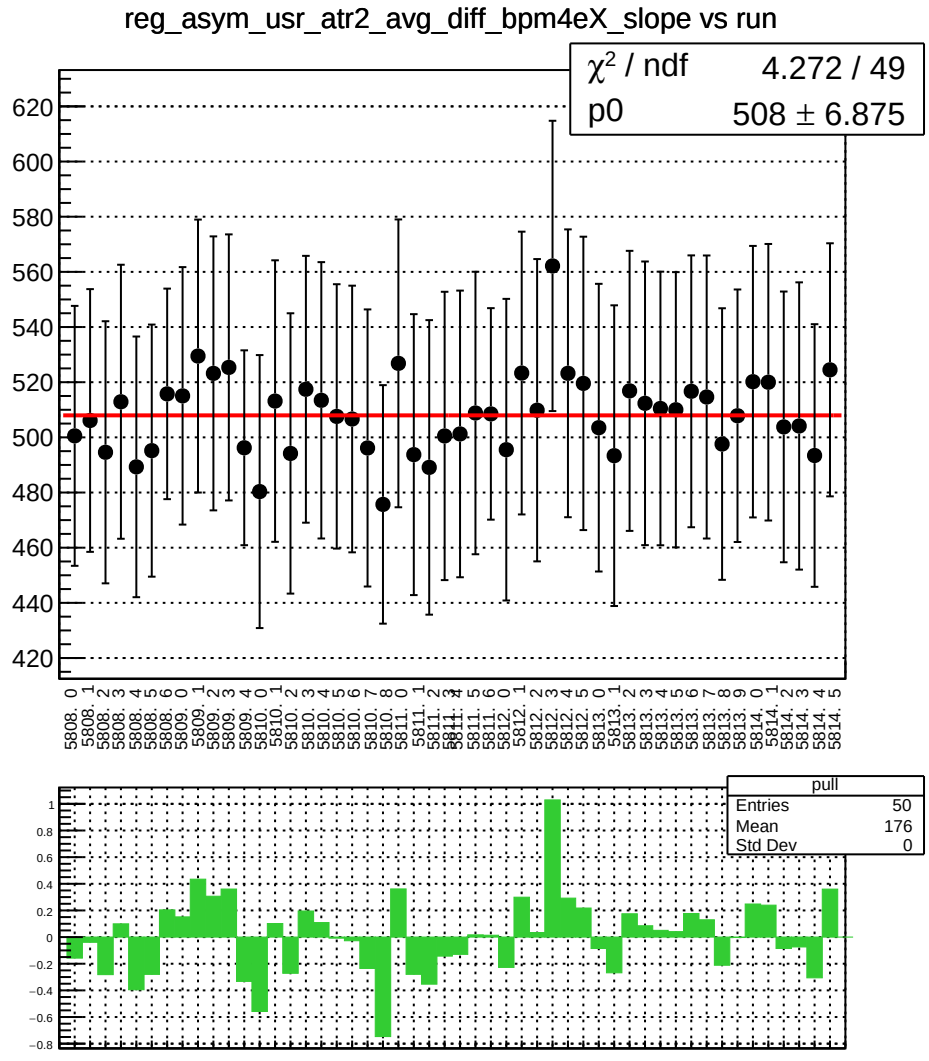

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 29.43 / 49
p0 −15.53 ± 0.1562
pull
Entries 50
Mean −85.42
Std Dev 0

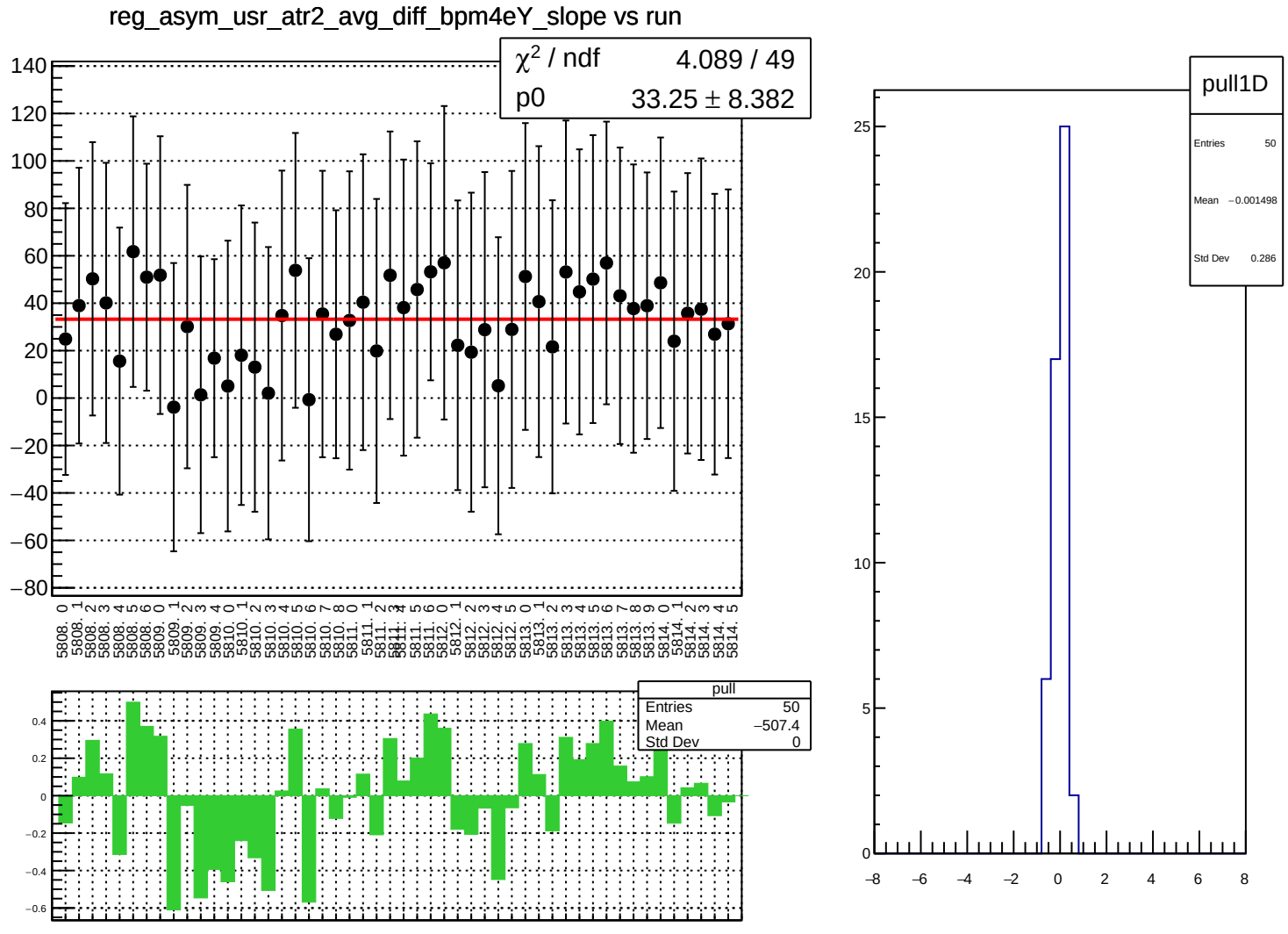

pull1D
Entries 50
Mean 0.01127
Std Dev 0.7672

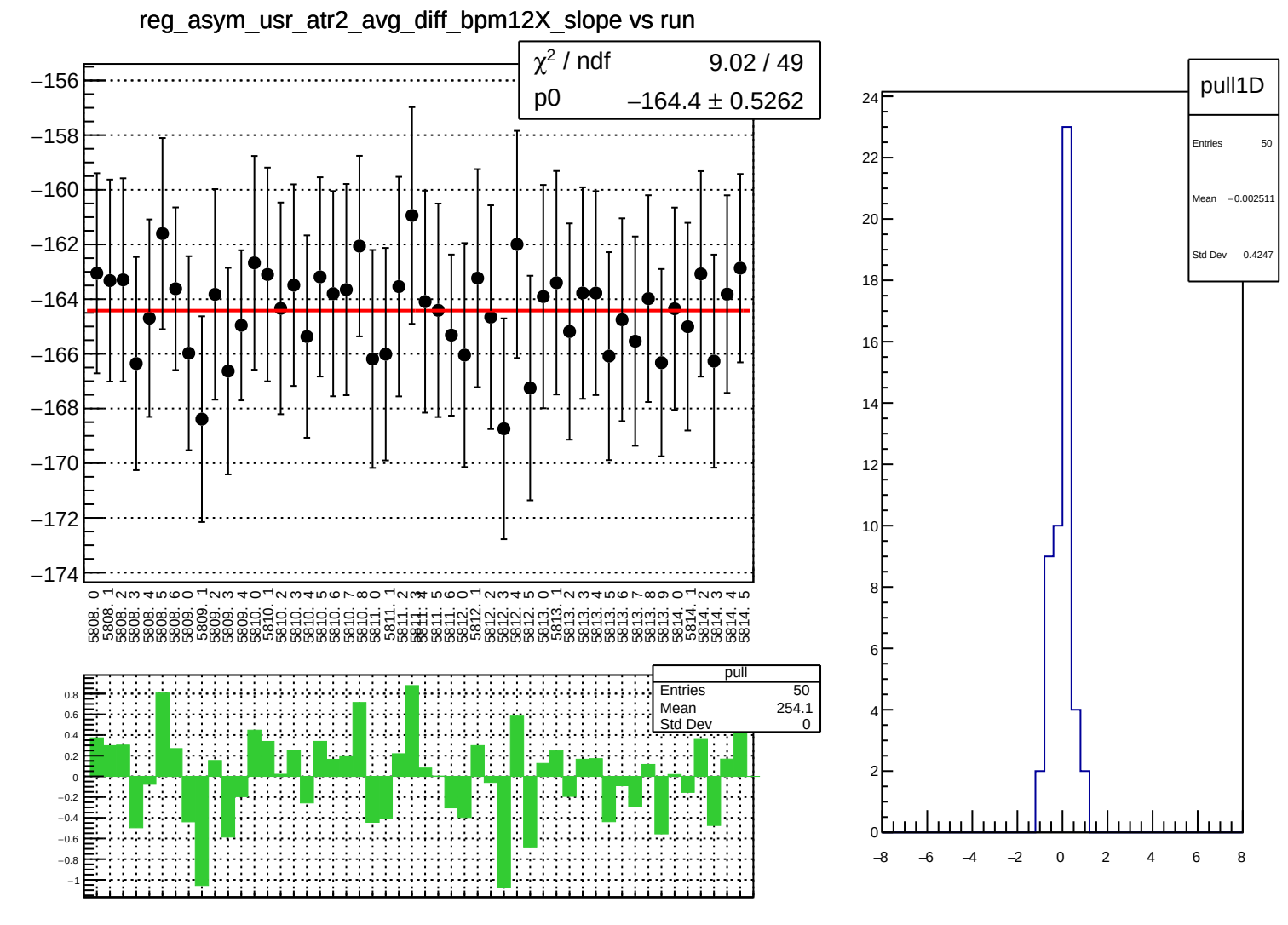

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 5.519 / 49
p0 −275.6 ± 4.8
pull
Entries 50
Mean 243.6
Std Dev 0

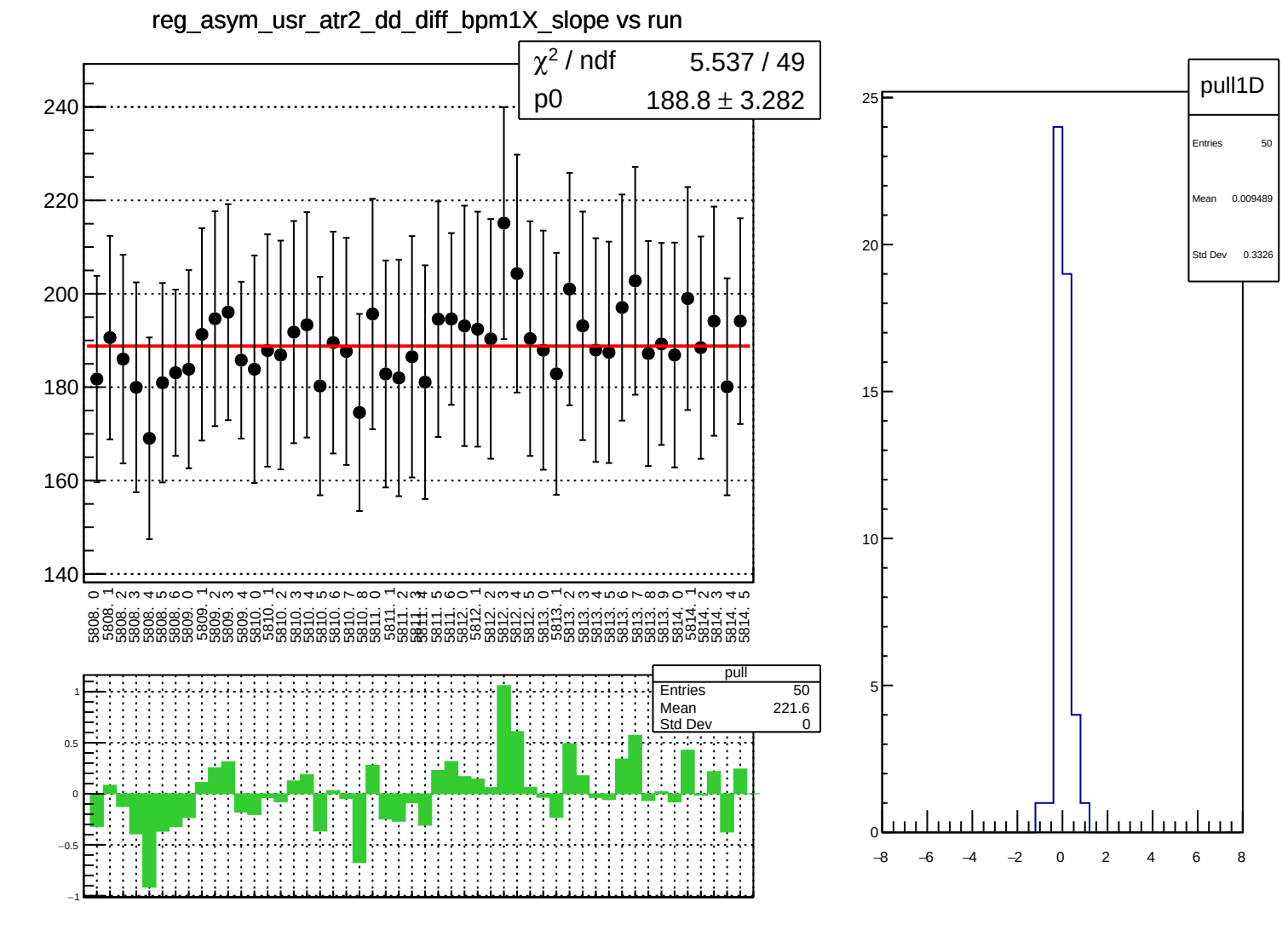

pull1D
Entries 50
Mean −0.01004
Std Dev 0.3321

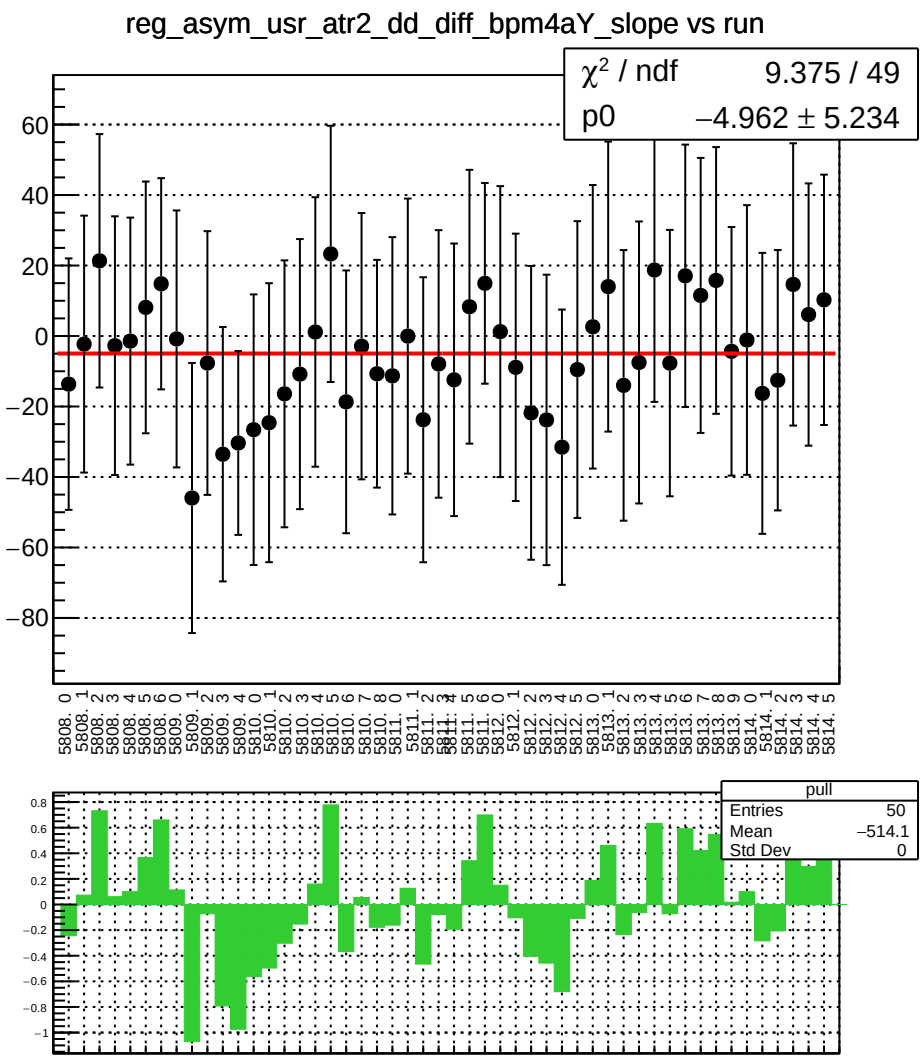

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.374 / 49
p0 35.53 ± 7.654
pull
Entries 50
Mean 3651
Std Dev 0
pull1D
Entries 50
Mean −0.000376
Std Dev 0.2958

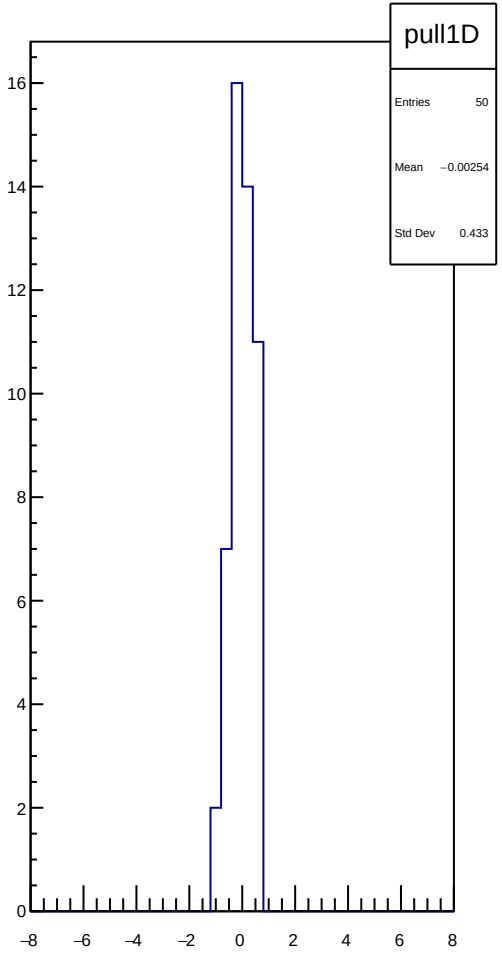

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.272 / 49
p0 508 ± 6.875
pull
Entries 50
Mean 176
Std Dev 0
pull1D
Entries 50
Mean 0.004696
Std Dev 0.2923

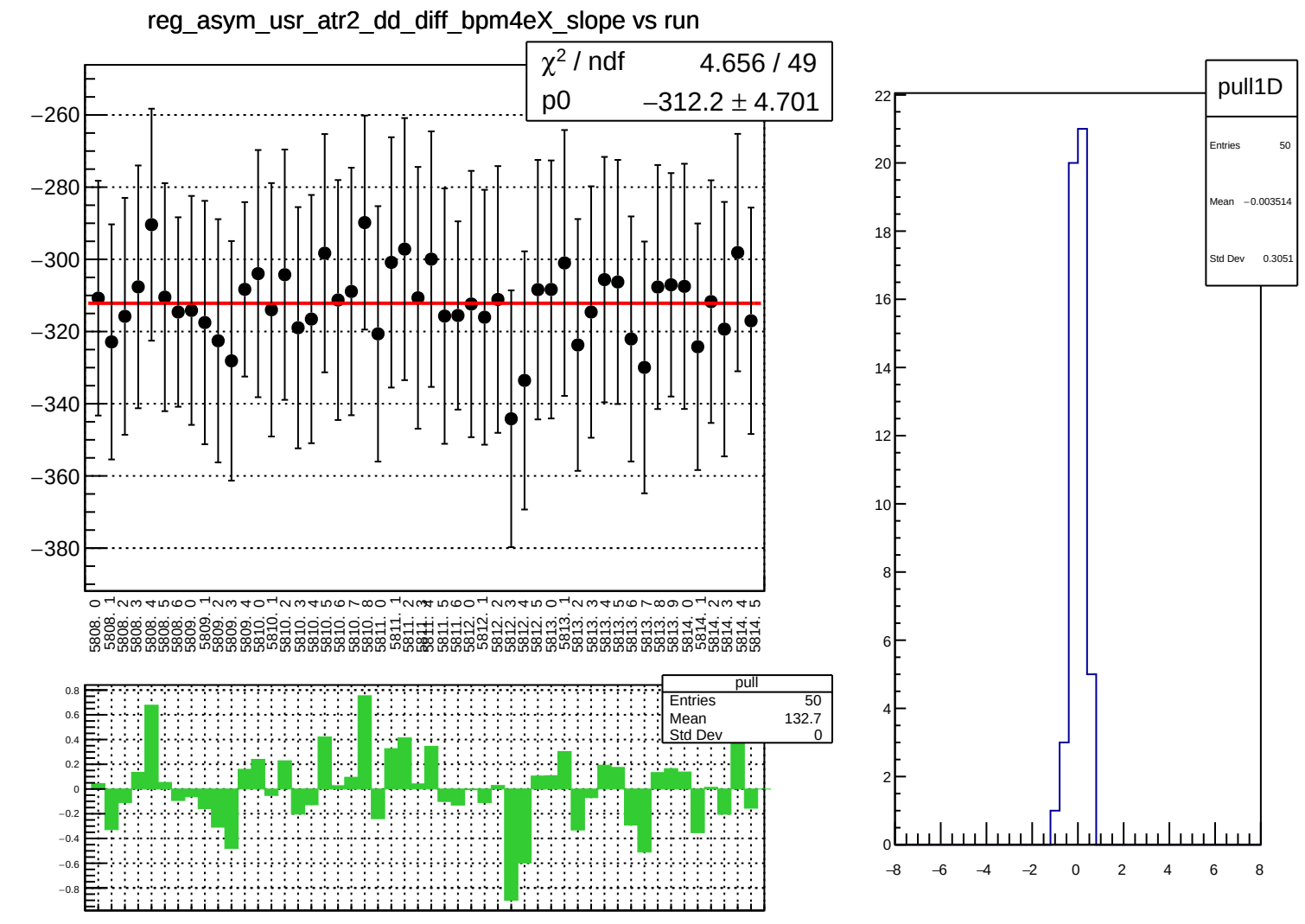

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.089 / 49
p0 33.25 ± 8.382
pull
Entries 50
Mean −507.4
Std Dev 0
pull1D
Entries 50
Mean −0.001498
Std Dev 0.286

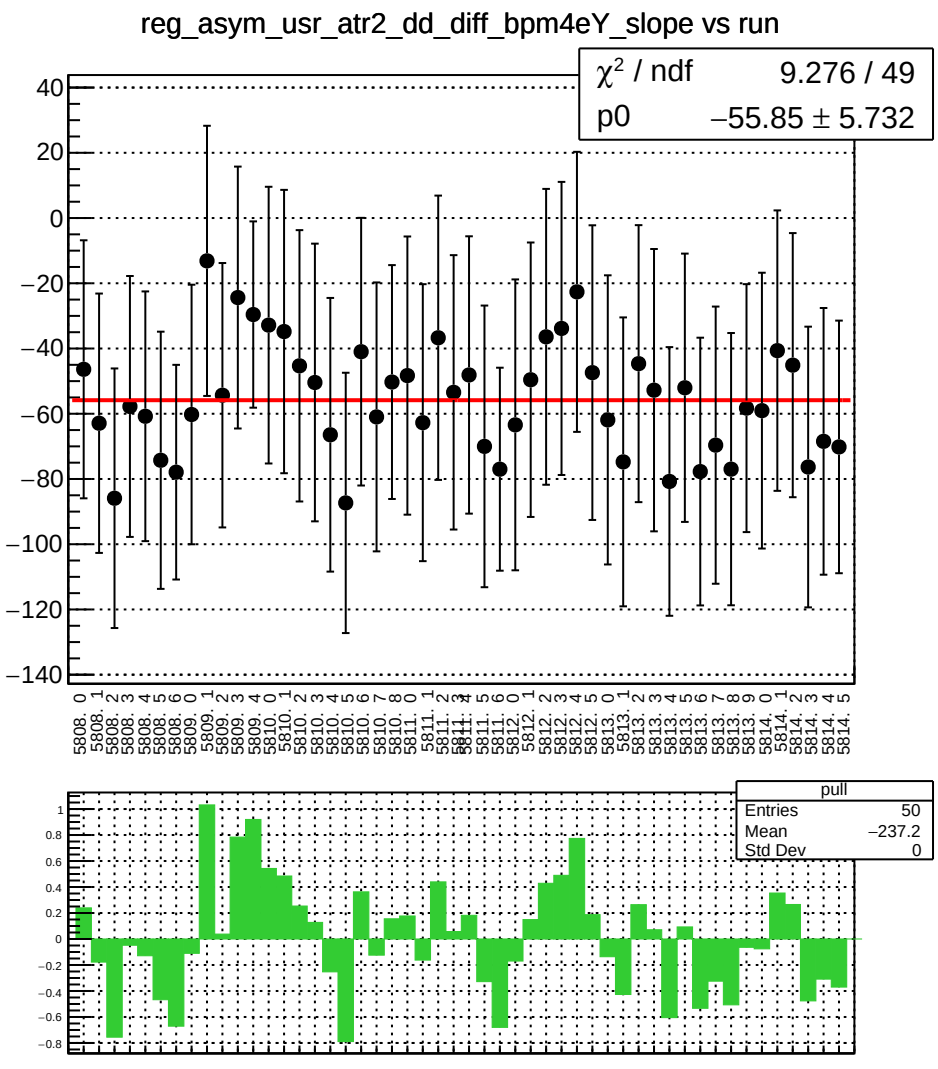

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 9.02 / 49
p0 −164.4 ± 0.5262
pull
Entries 50
Mean 254.1
Std Dev 0
pull1D
Entries 50
Mean −0.002511
Std Dev 0.4247

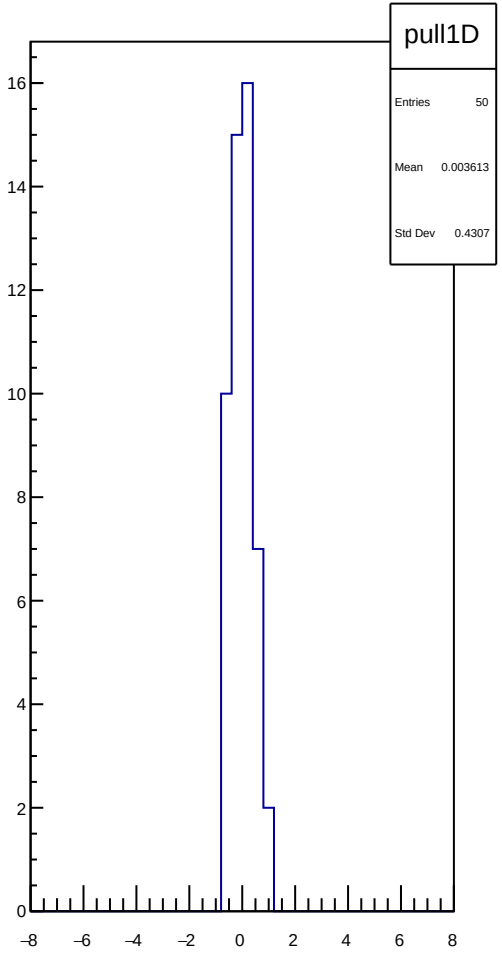

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 5.537 / 49
p0 188.8 ± 3.282
240
220
200
180
160
140
pull
Entries 50
Mean 221.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean 0.009489
Std Dev 0.3326
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

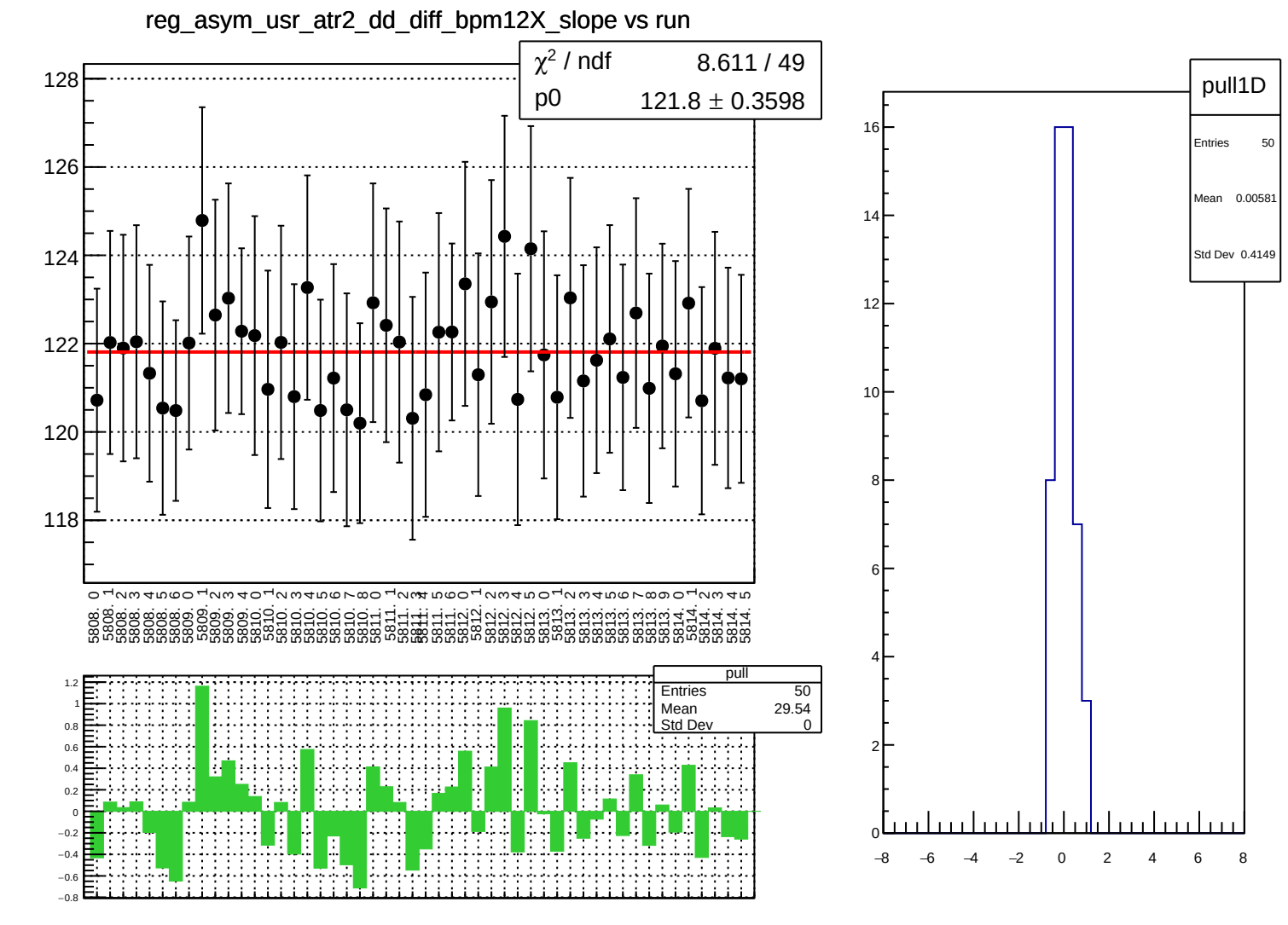

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.375 / 49
p0 −4.962 ± 5.234
pull
Entries 50
Mean −514.1
Std Dev 0

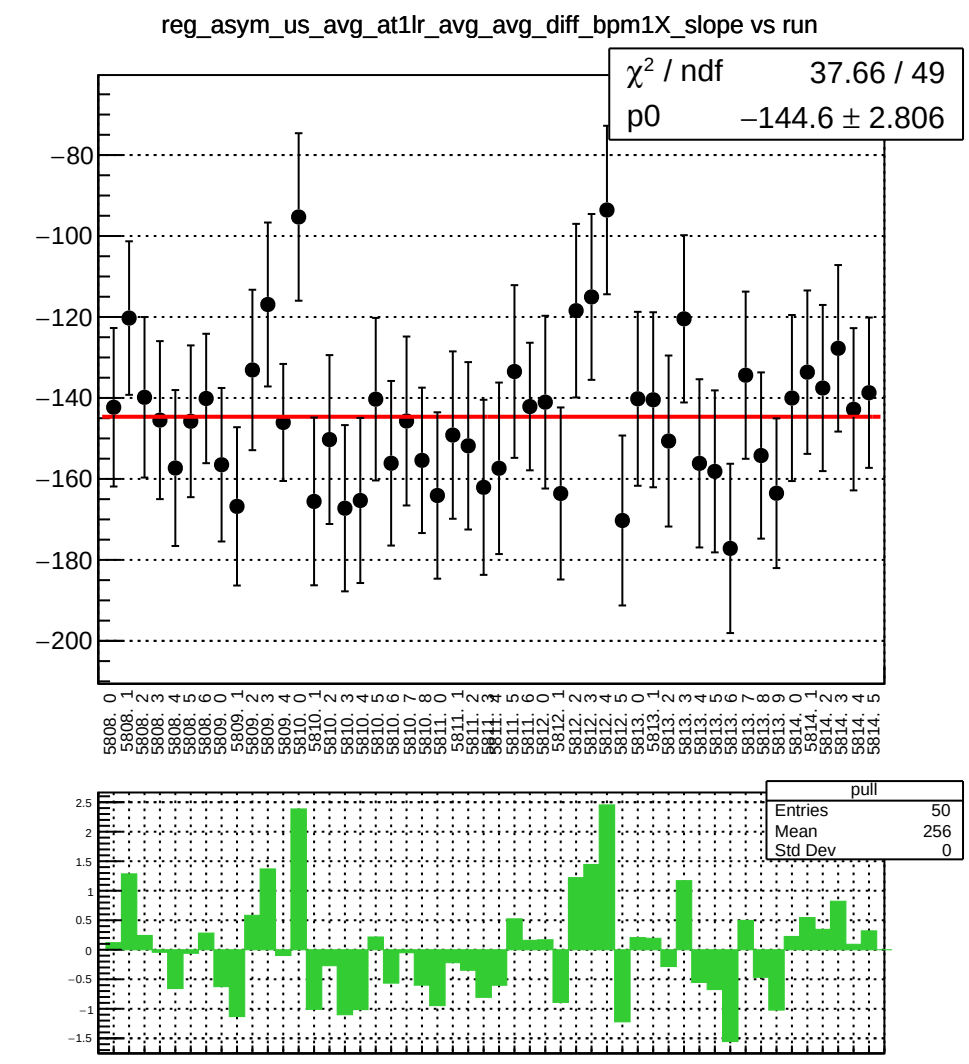

pull1D
Entries 50
Mean −0.00254
Std Dev 0.433

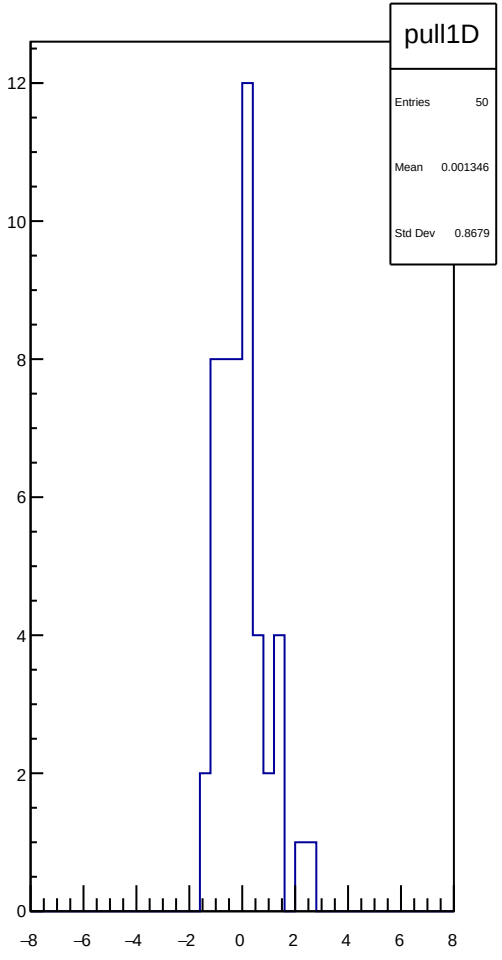

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.656 / 49
p0 −312.2 ± 4.701
pull
Entries 50
Mean 132.7
Std Dev 0
pull1D
Entries 50
Mean −0.003514
Std Dev 0.3051

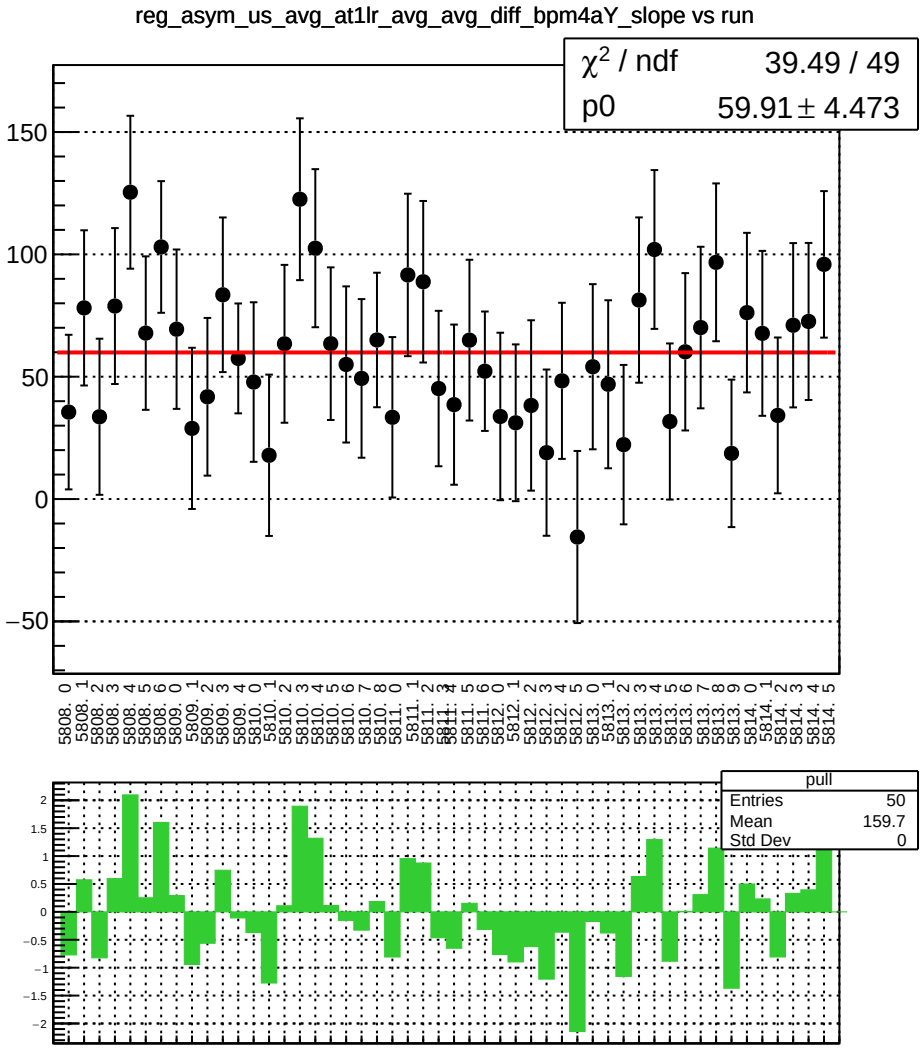

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.276 / 49
p0 −55.85 ± 5.732
pull
Entries 50
Mean −237.2
Std Dev 0

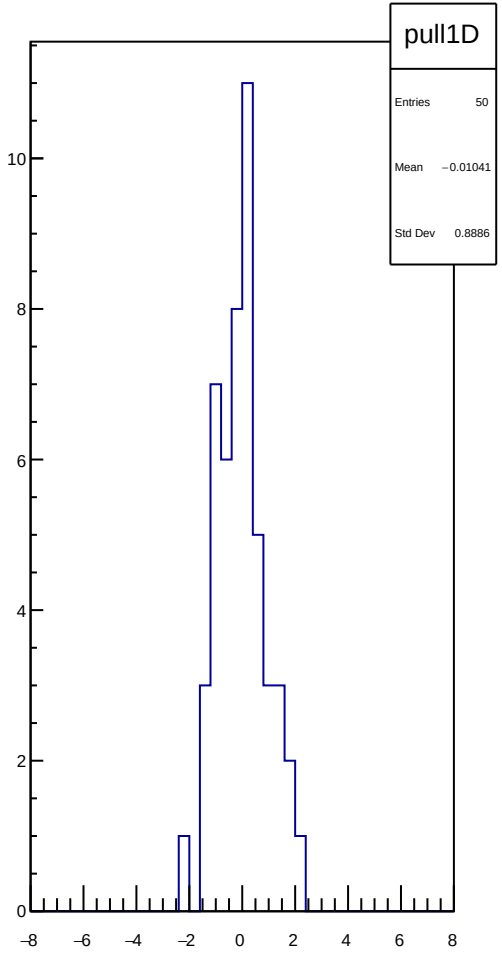

pull1D
Entries 50
Mean 0.003613
Std Dev 0.4307

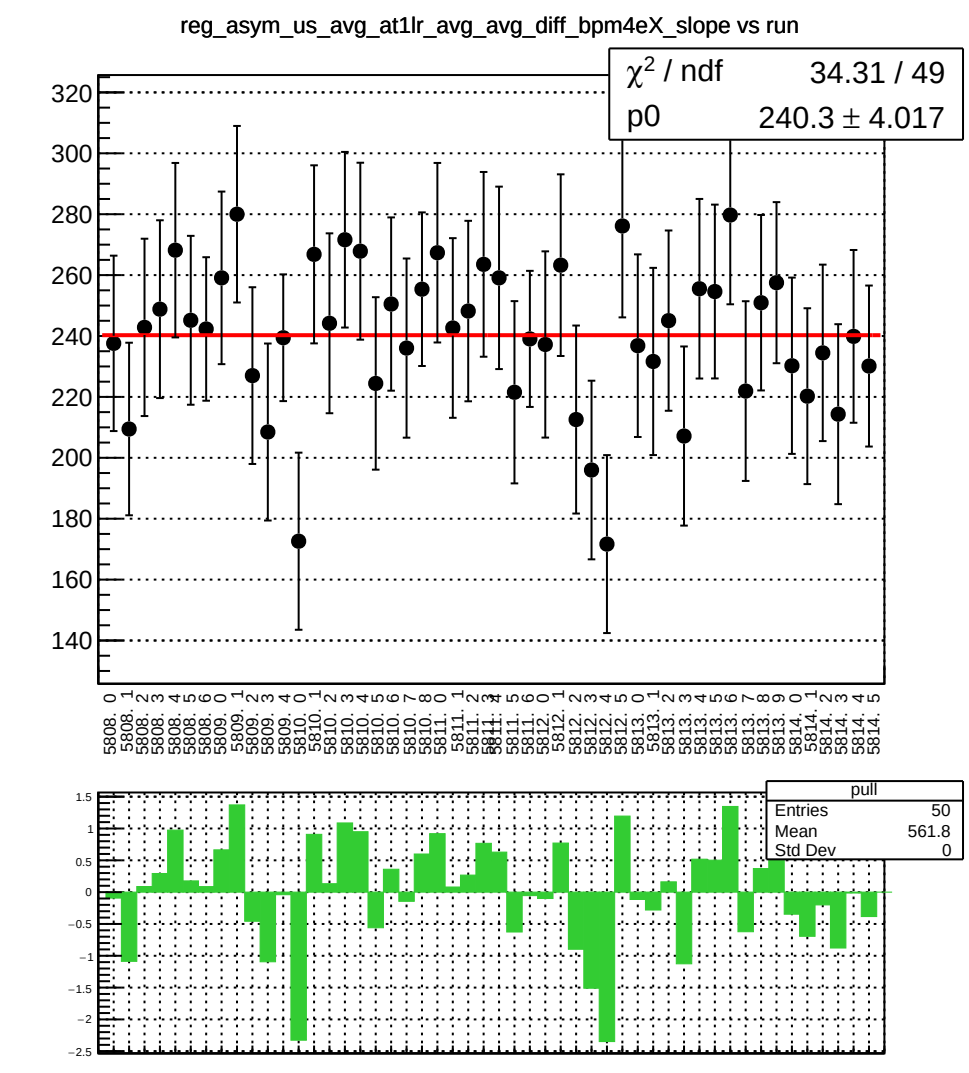

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 8.611 / 49
p0 121.8 ± 0.3598
128
126
124
122
120
118
pull
Entries 50
Mean 29.54
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean 0.00581
Std Dev 0.4149
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

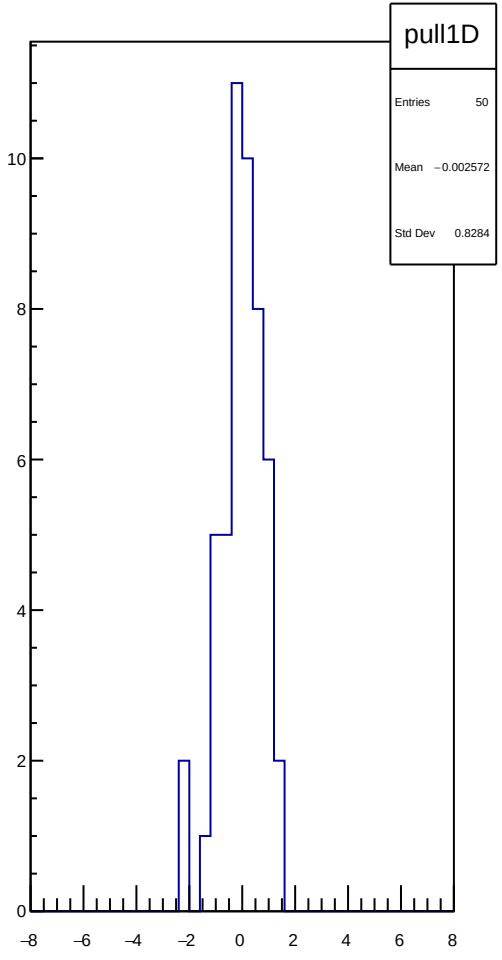

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 37.66 / 49
p0 −144.6 ± 2.806
pull
Entries 50
Mean 256
Std Dev 0

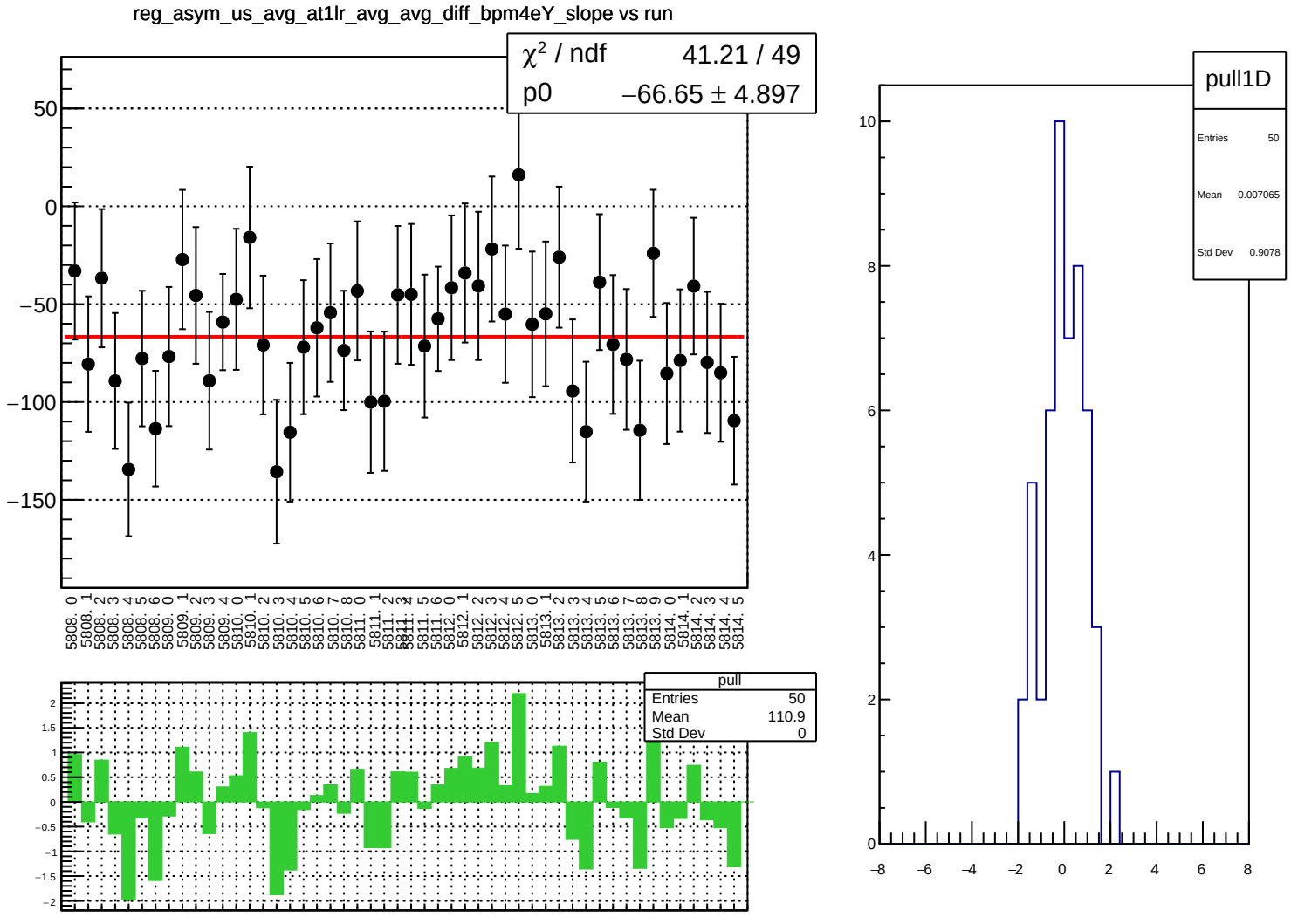

pull1D
Entries 50
Mean 0.001346
Std Dev 0.8679

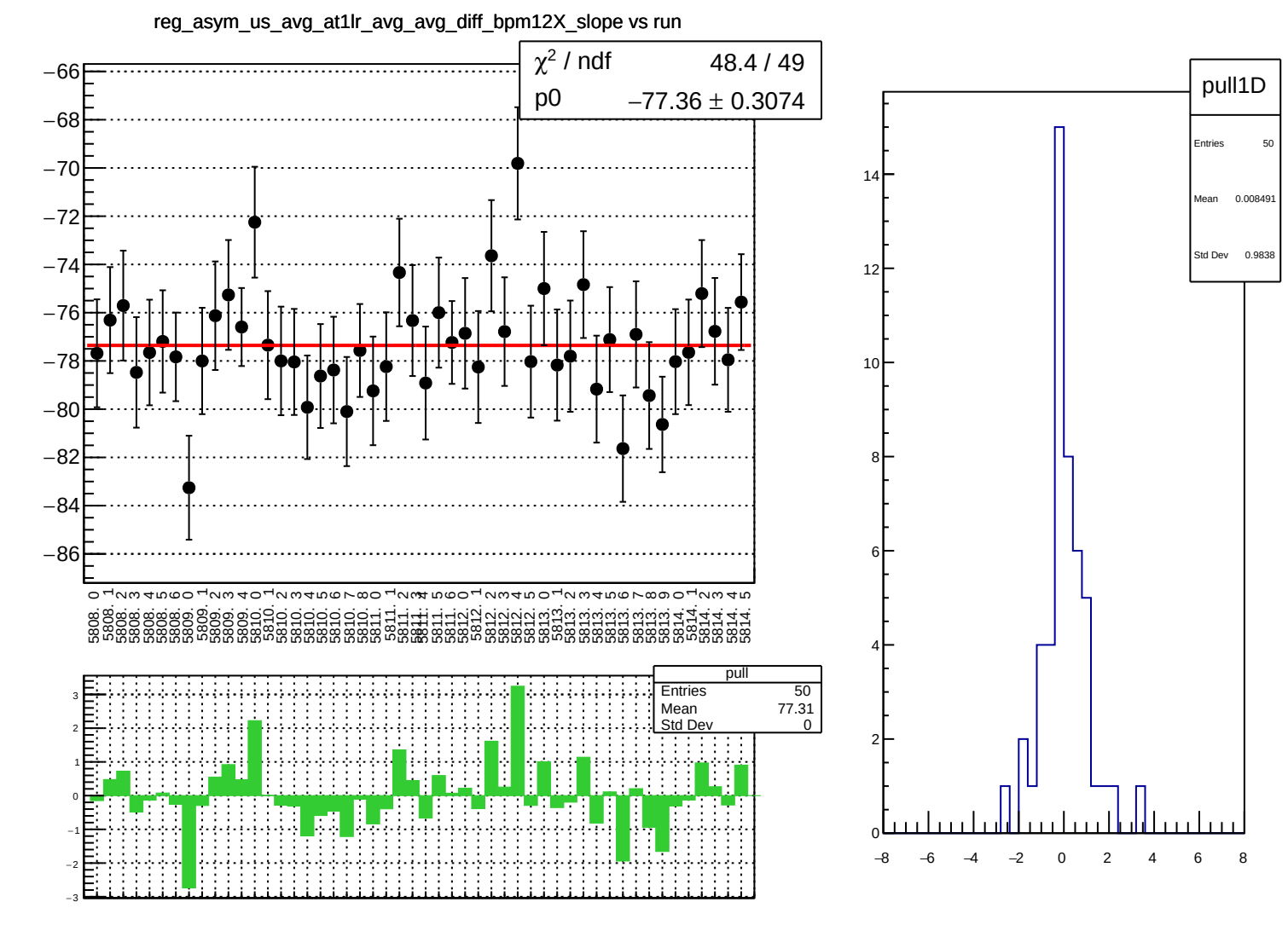

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 39.49 / 49
p0 59.91 ± 4.473
150
100
50
0
−50
pull
Entries 50
Mean 159.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

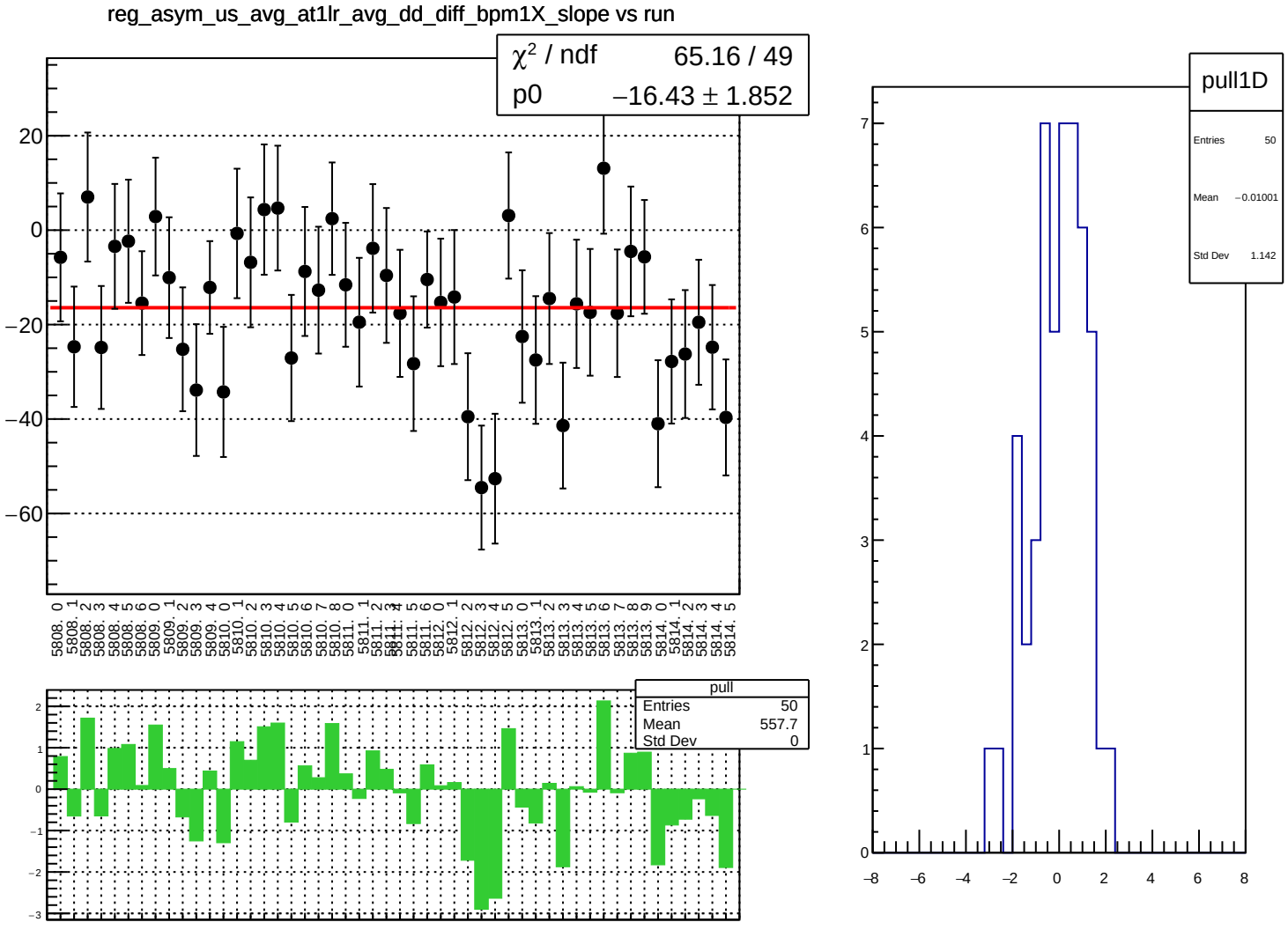

pull1D
Entries 50
Mean −0.01041
Std Dev 0.8886
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

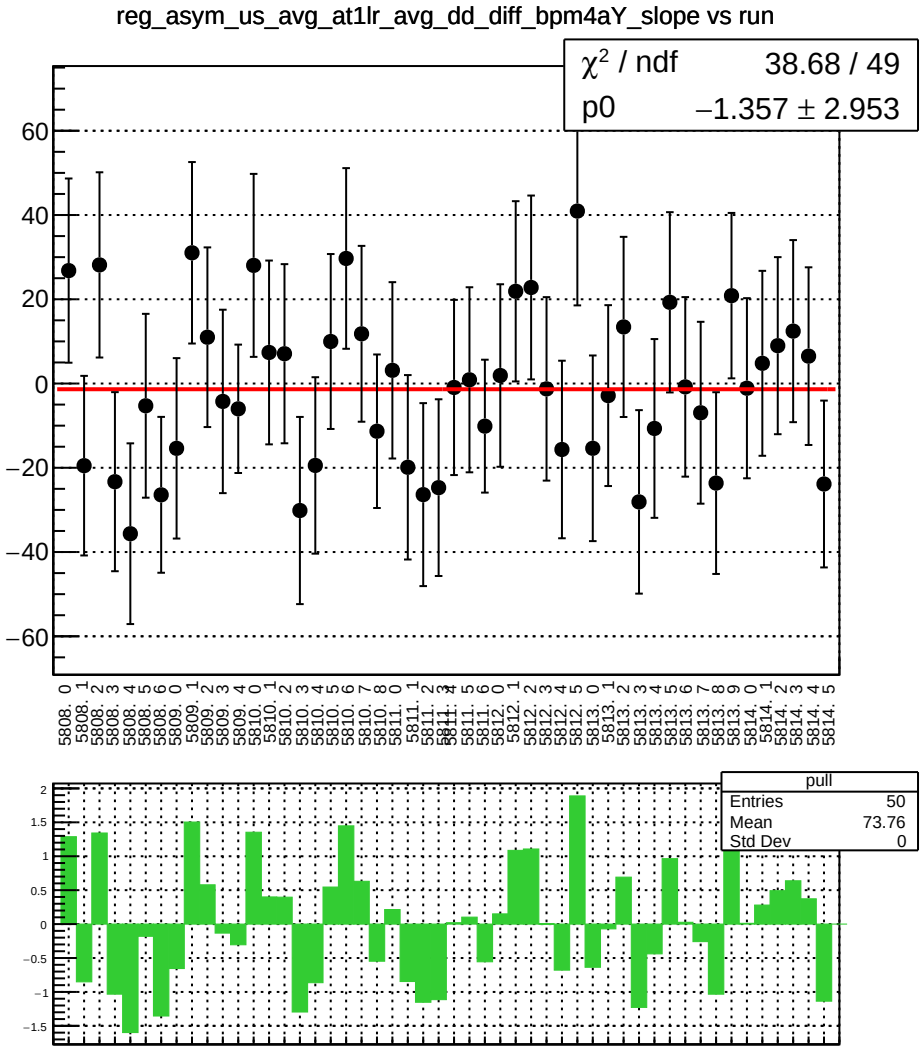

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 34.31 / 49
p0 240.3 ± 4.017
pull
Entries 50
Mean 561.8
Std Dev 0

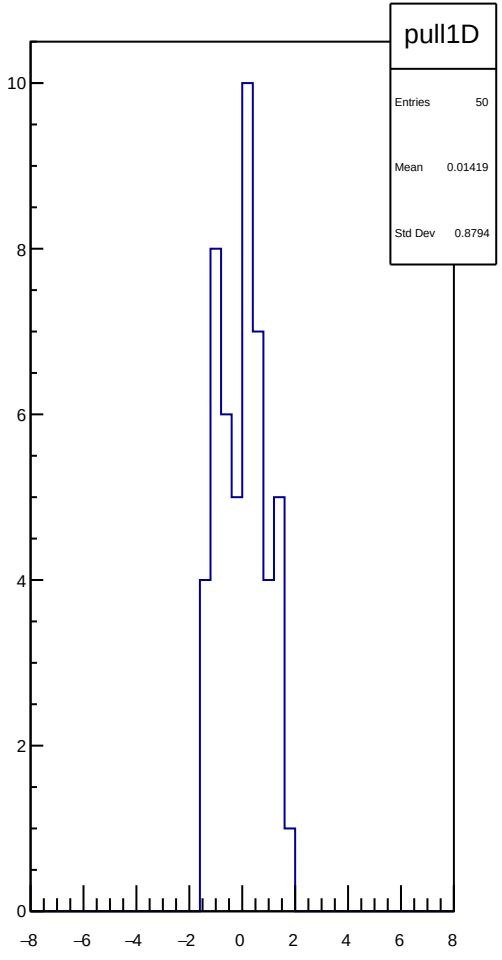

pull1D
Entries 50
Mean −0.002572
Std Dev 0.8284

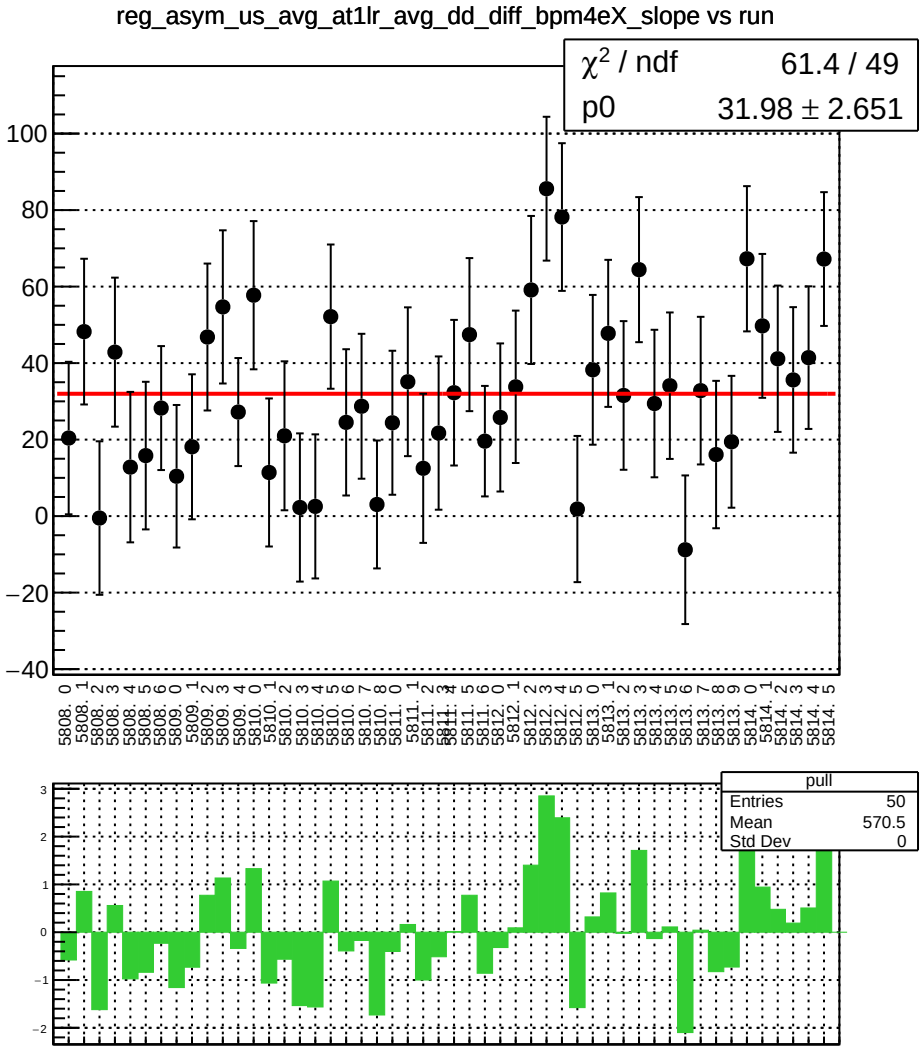

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.21 / 49
p0 −66.65 ± 4.897
50
0
−50
−100
−150
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 110.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean 0.007065
Std Dev 0.9078
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

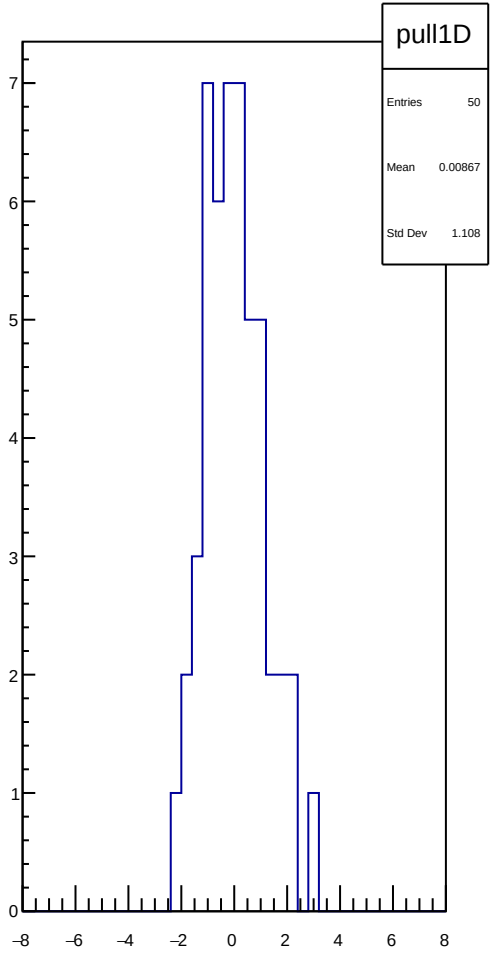

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 48.4 / 49
p0 −77.36 ± 0.3074
pull
Entries 50
Mean 77.31
Std Dev 0
pull1D
Entries 50
Mean 0.008491
Std Dev 0.9838

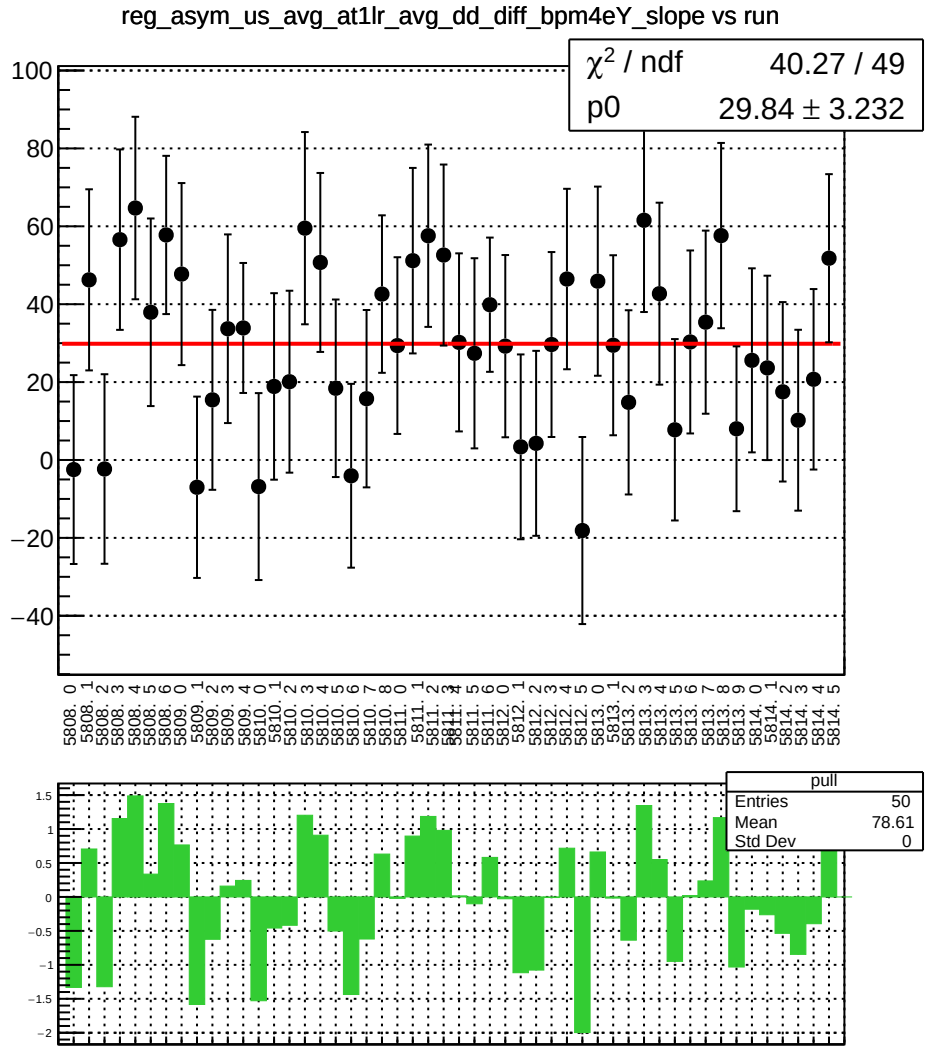

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 65.16 / 49
p0 −16.43 ± 1.852
pull
Entries 50
Mean 557.7
Std Dev 0
pull1D
Entries 50
Mean −0.01001
Std Dev 1.142

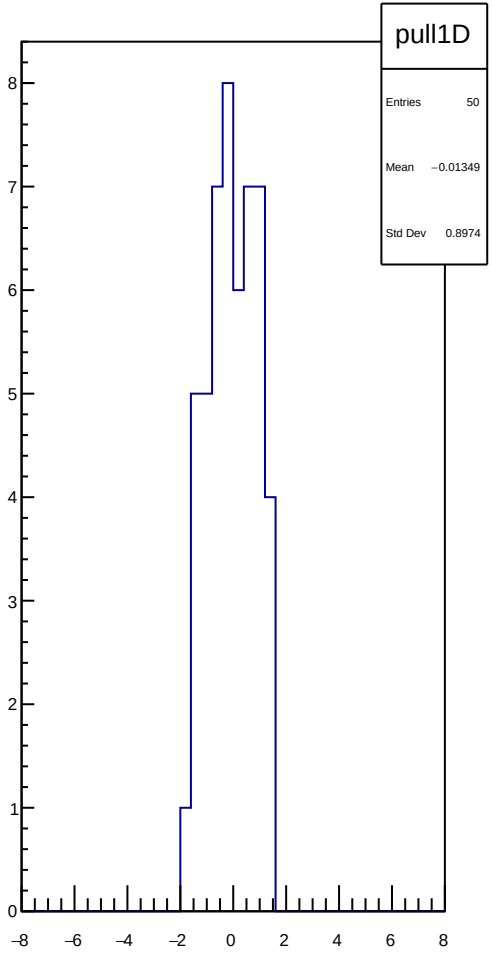

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.68 / 49
p0 −1.357 ± 2.953
pull
Entries 50
Mean 73.76
Std Dev 0

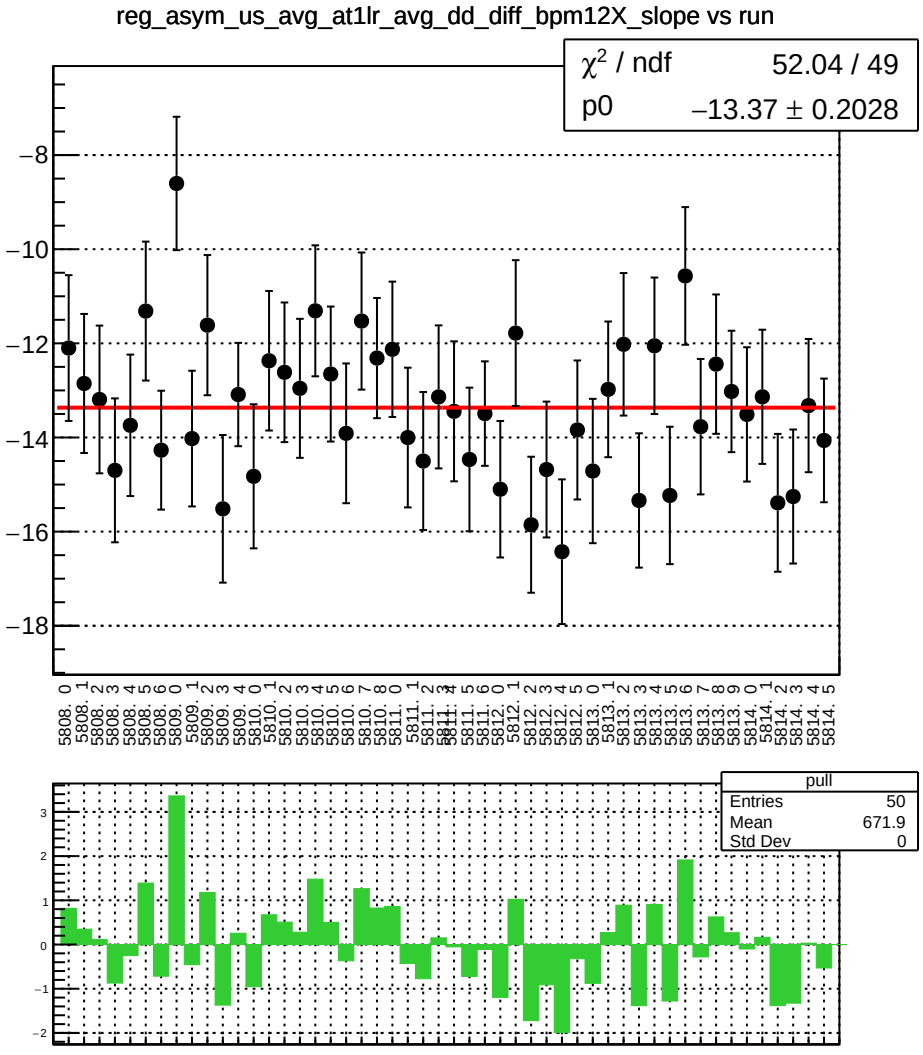

pull1D
Entries 50
Mean 0.01419
Std Dev 0.8794

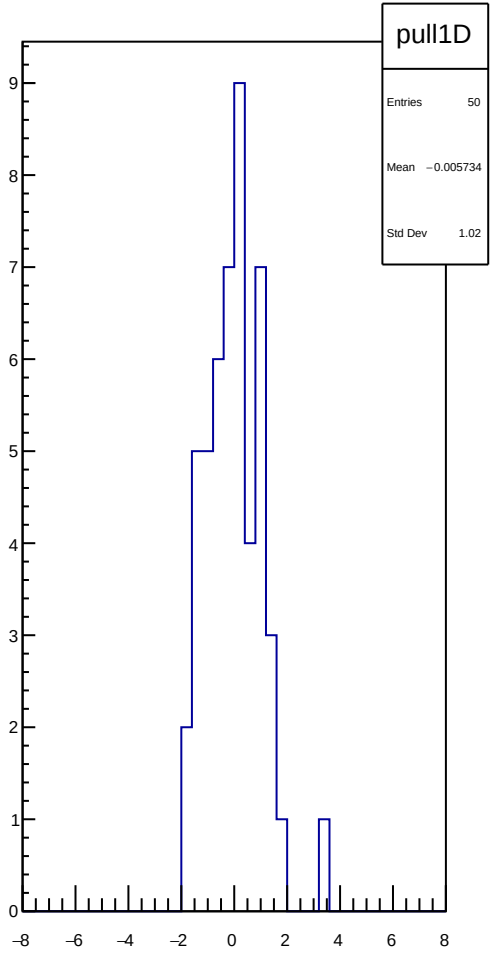

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.4 / 49
p0 31.98 ± 2.651
pull
Entries 50
Mean 570.5
Std Dev 0

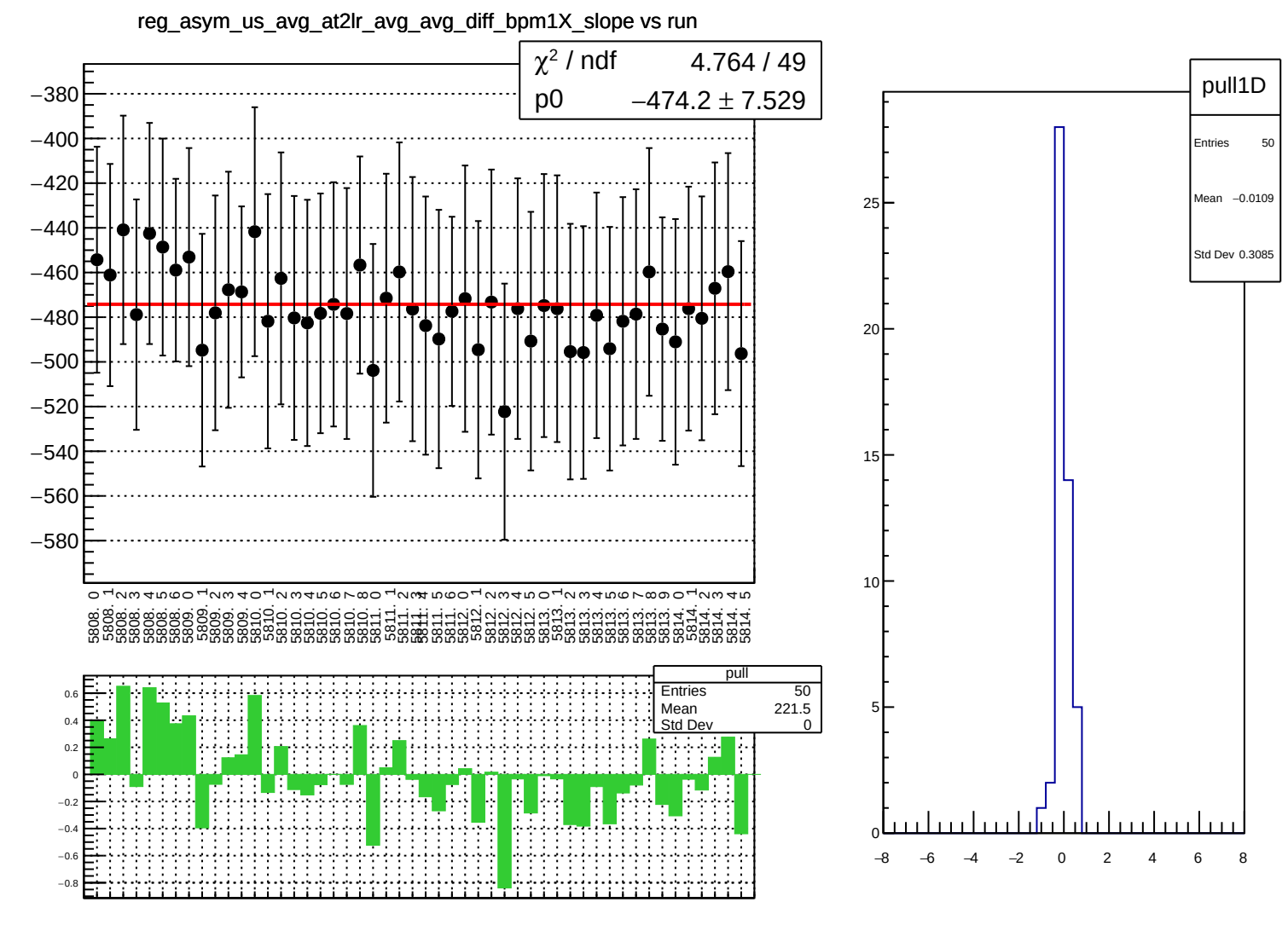

pull1D
Entries 50
Mean 0.00867
Std Dev 1.108

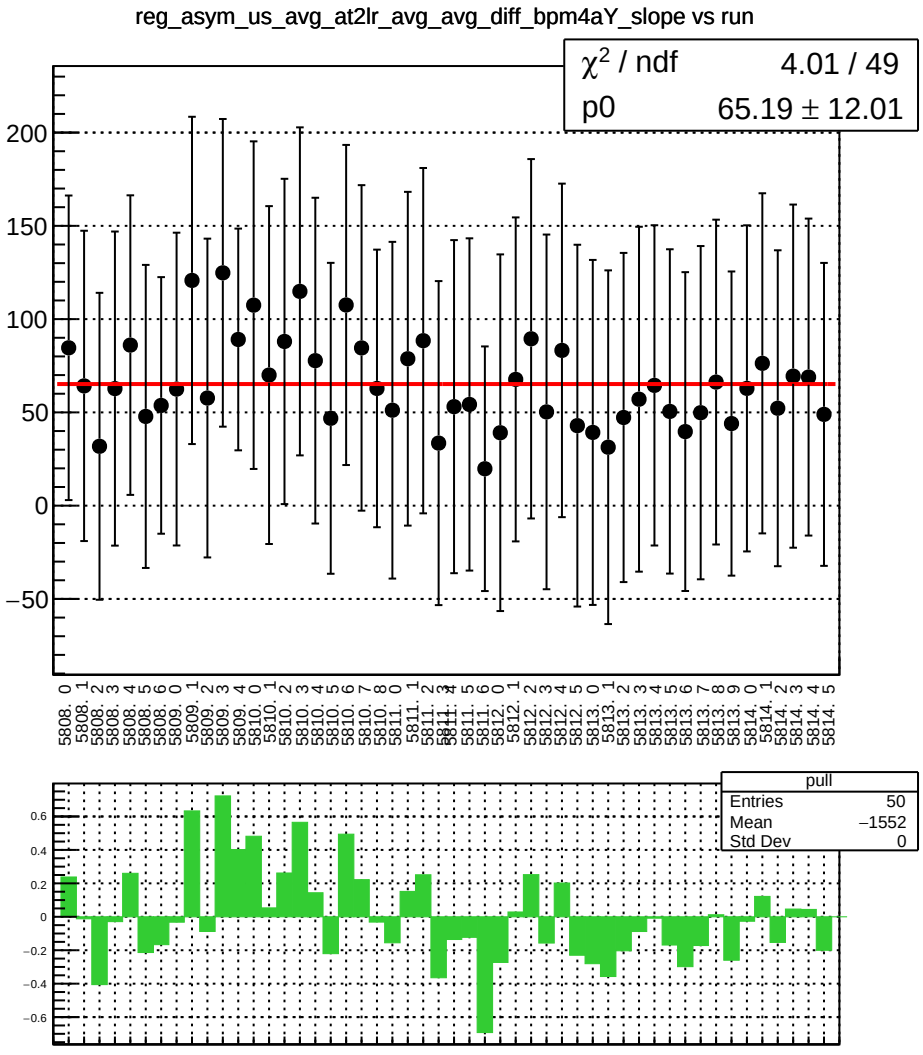

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 40.27 / 49
p0 29.84 ± 3.232
pull
Entries 50
Mean 78.61
Std Dev 0

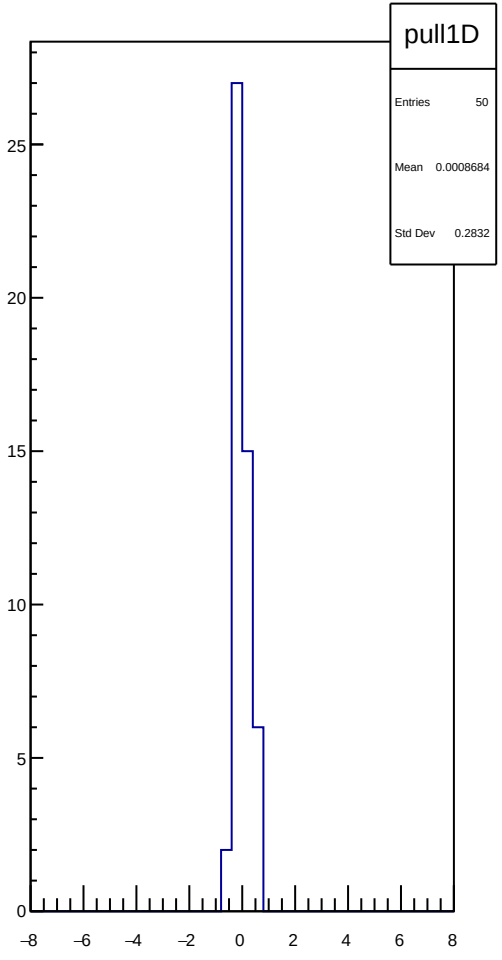

pull1D
Entries 50
Mean −0.01349
Std Dev 0.8974

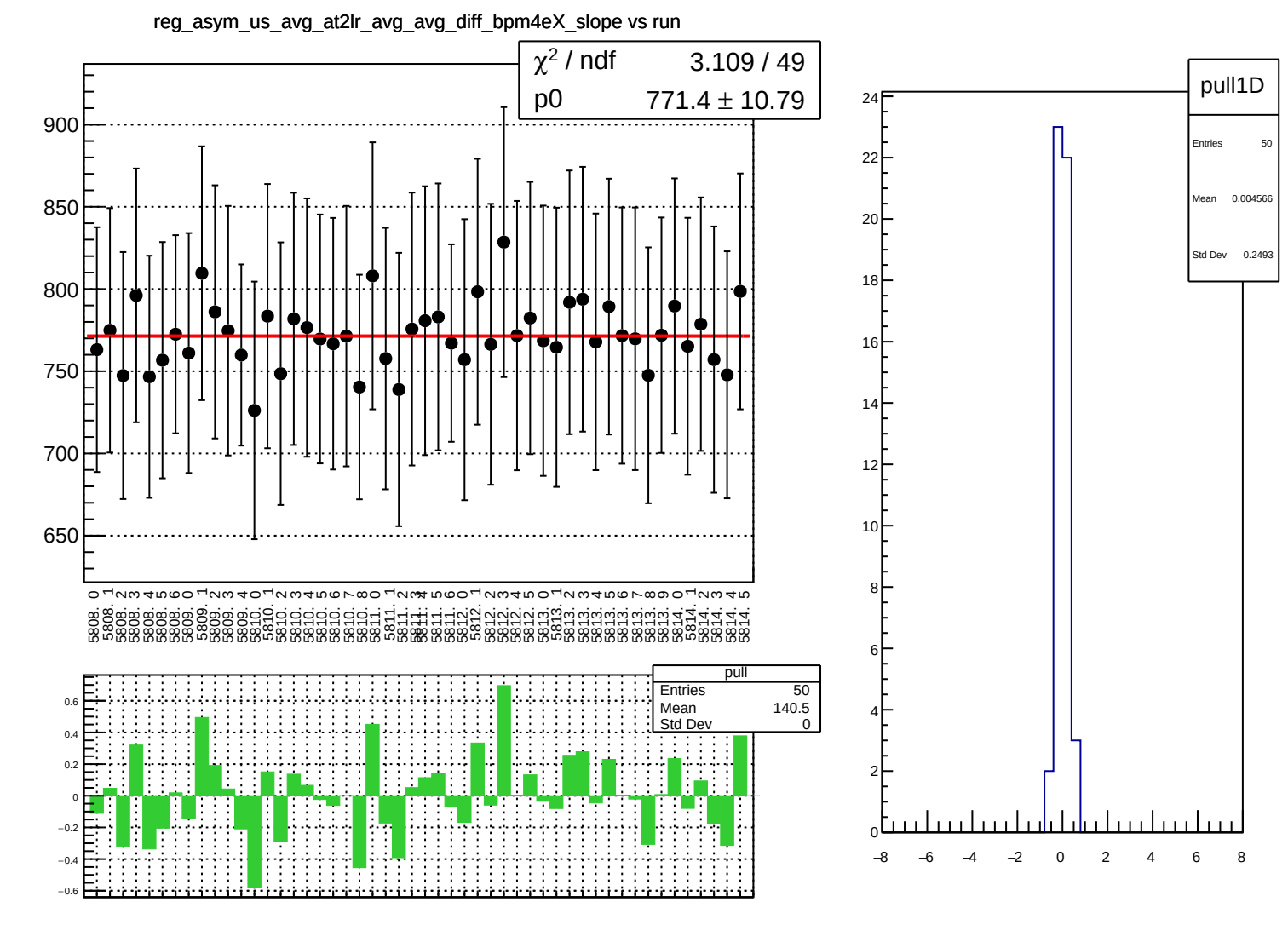

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 52.04 / 49
p0 −13.37 ± 0.2028
pull
Entries 50
Mean 671.9
Std Dev 0

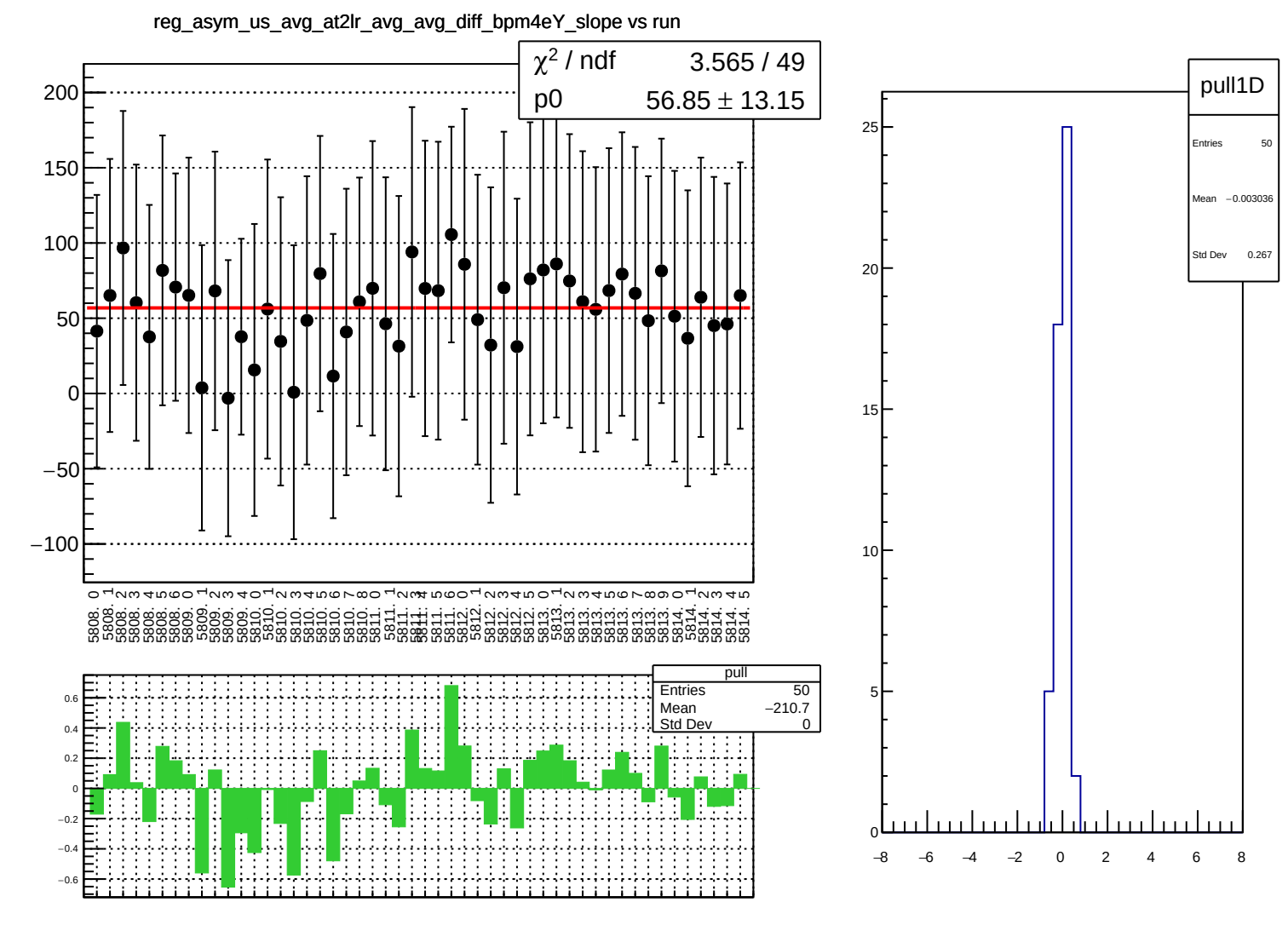

pull1D
Entries 50
Mean −0.005734
Std Dev 1.02

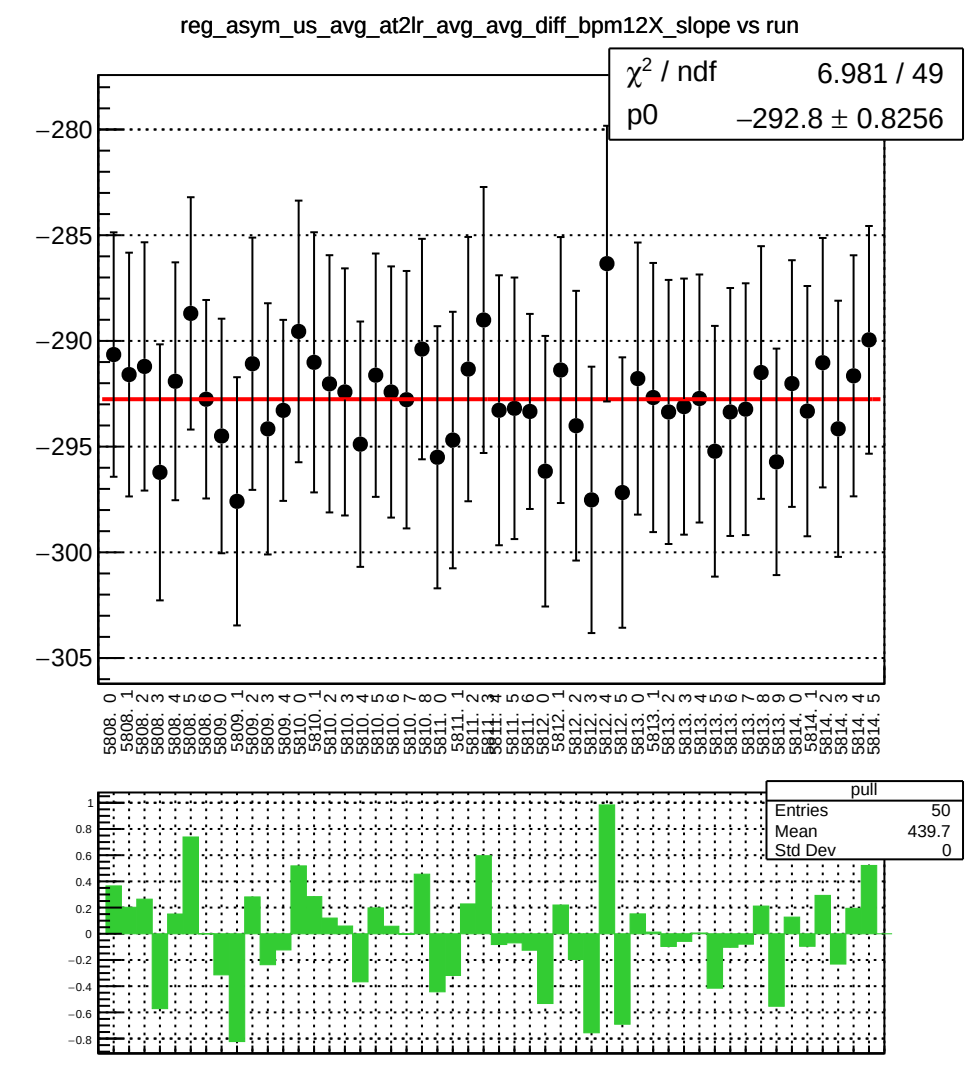

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 4.764 / 49
p0 −474.2 ± 7.529
pull
Entries 50
Mean 221.5
Std Dev 0
pull1D
Entries 50
Mean −0.0109
Std Dev 0.3085

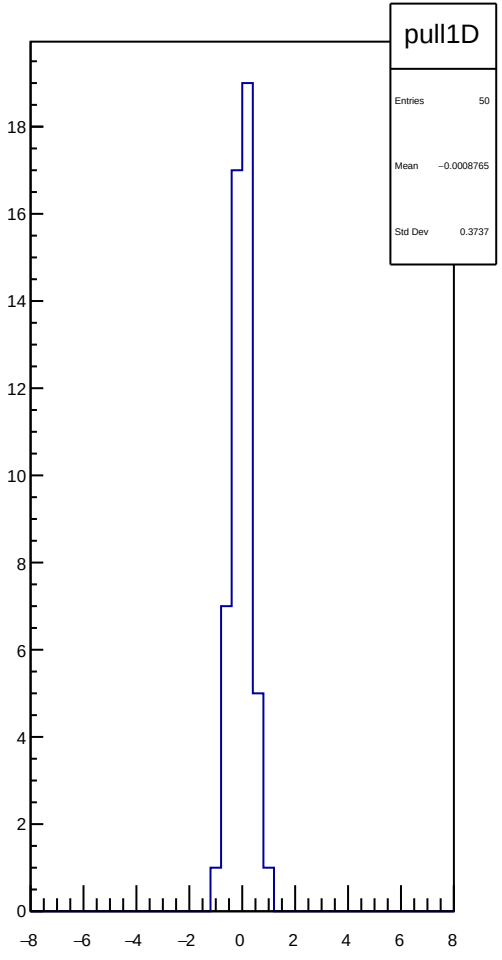

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.01 / 49
p0 65.19 ± 12.01
pull
Entries 50
Mean −1552
Std Dev 0

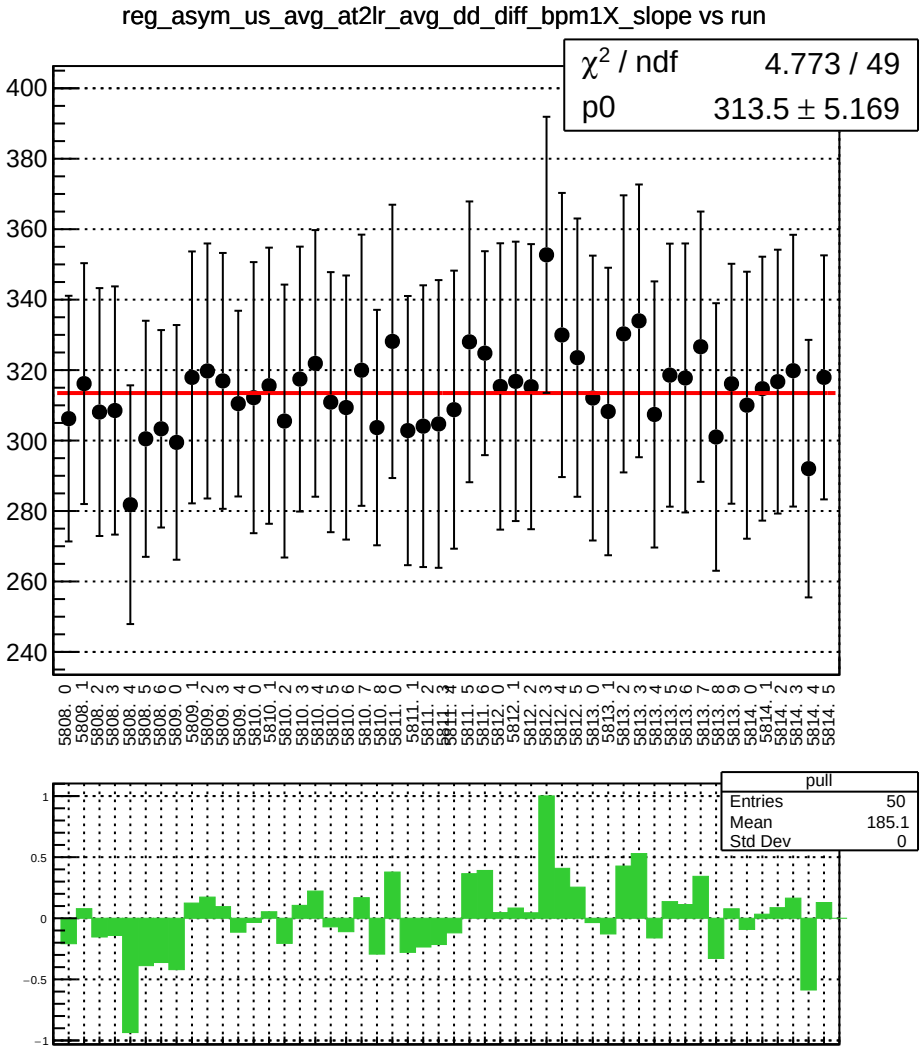

pull1D
Entries 50
Mean 0.0008684
Std Dev 0.2832

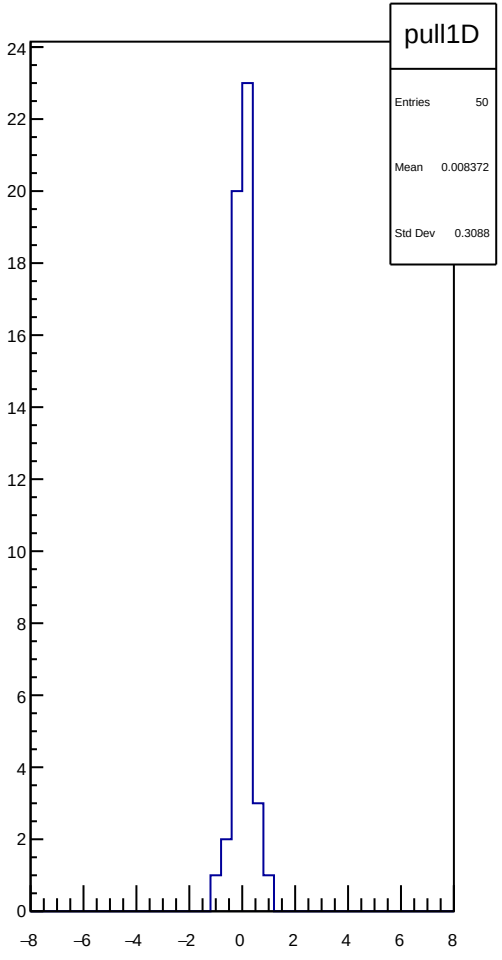

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.109 / 49
p0 771.4 ± 10.79
900
850
800
750
700
650
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5810. 9
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 140.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 50
Mean 0.004566
Std Dev 0.2493
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

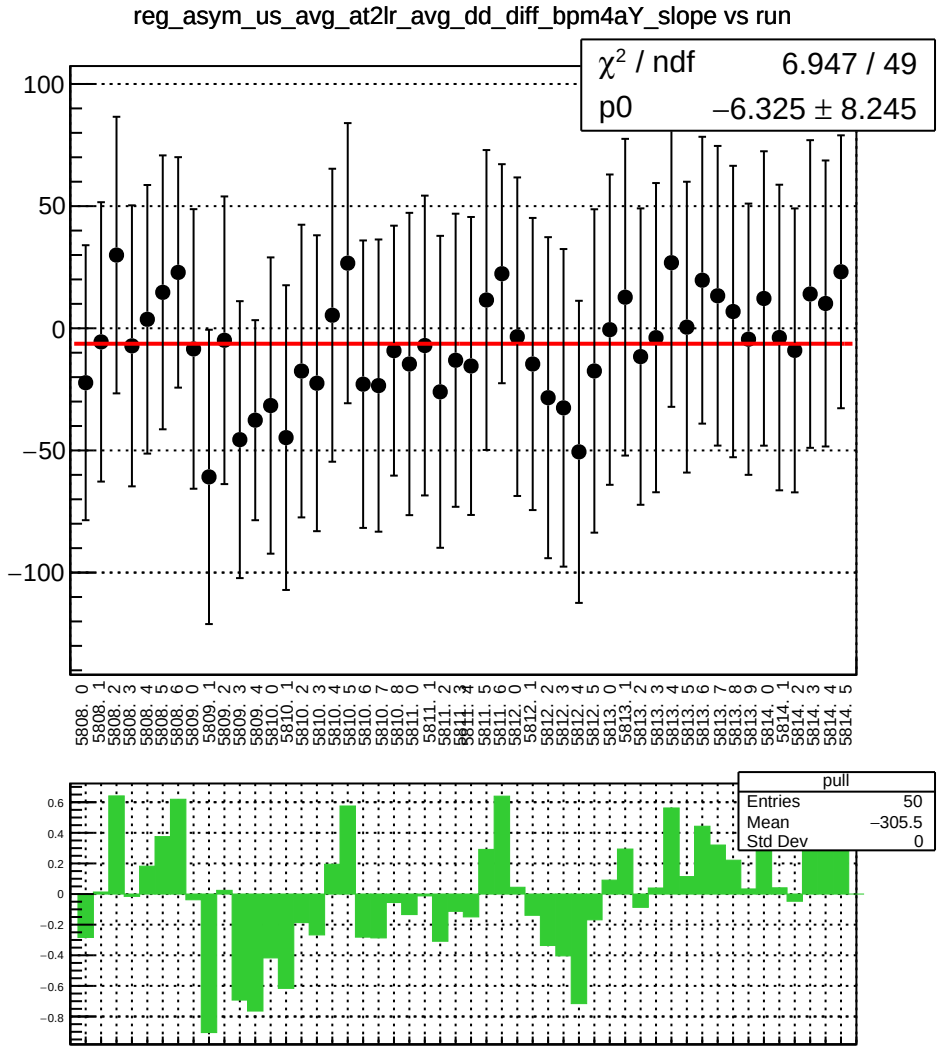

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 3.565 / 49
p0 56.85 ± 13.15
pull
Entries 50
Mean −210.7
Std Dev 0
pull1D
Entries 50
Mean −0.003036
Std Dev 0.267

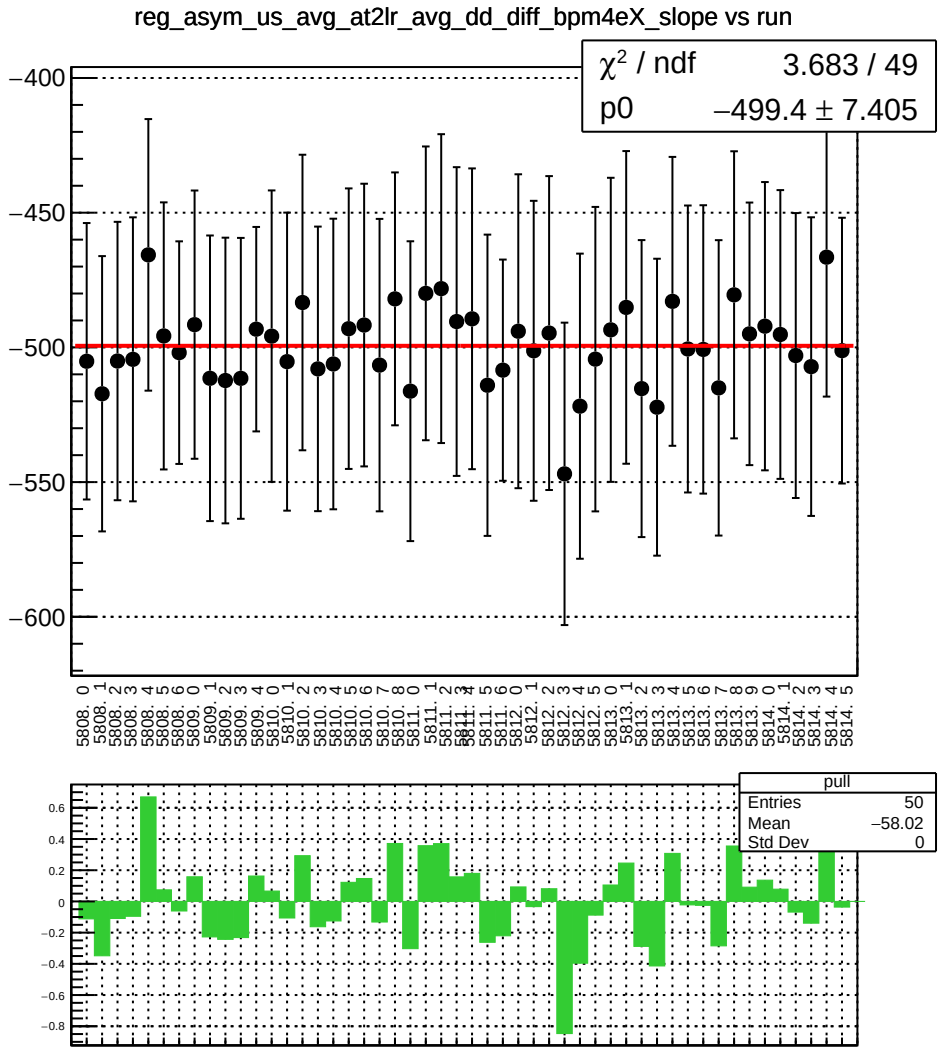

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 6.981 / 49
p0 −292.8 ± 0.8256
pull
Entries 50
Mean 439.7
Std Dev 0

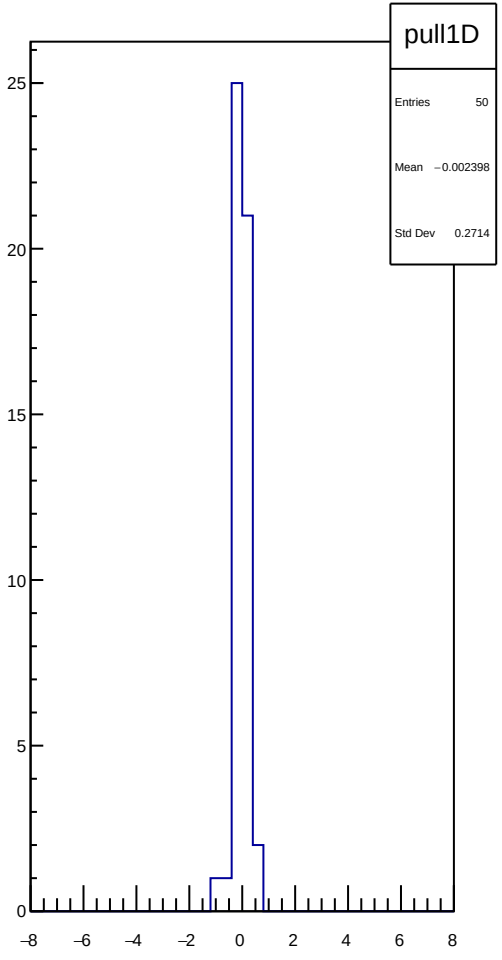

pull1D
Entries 50
Mean −0.0008765
Std Dev 0.3737

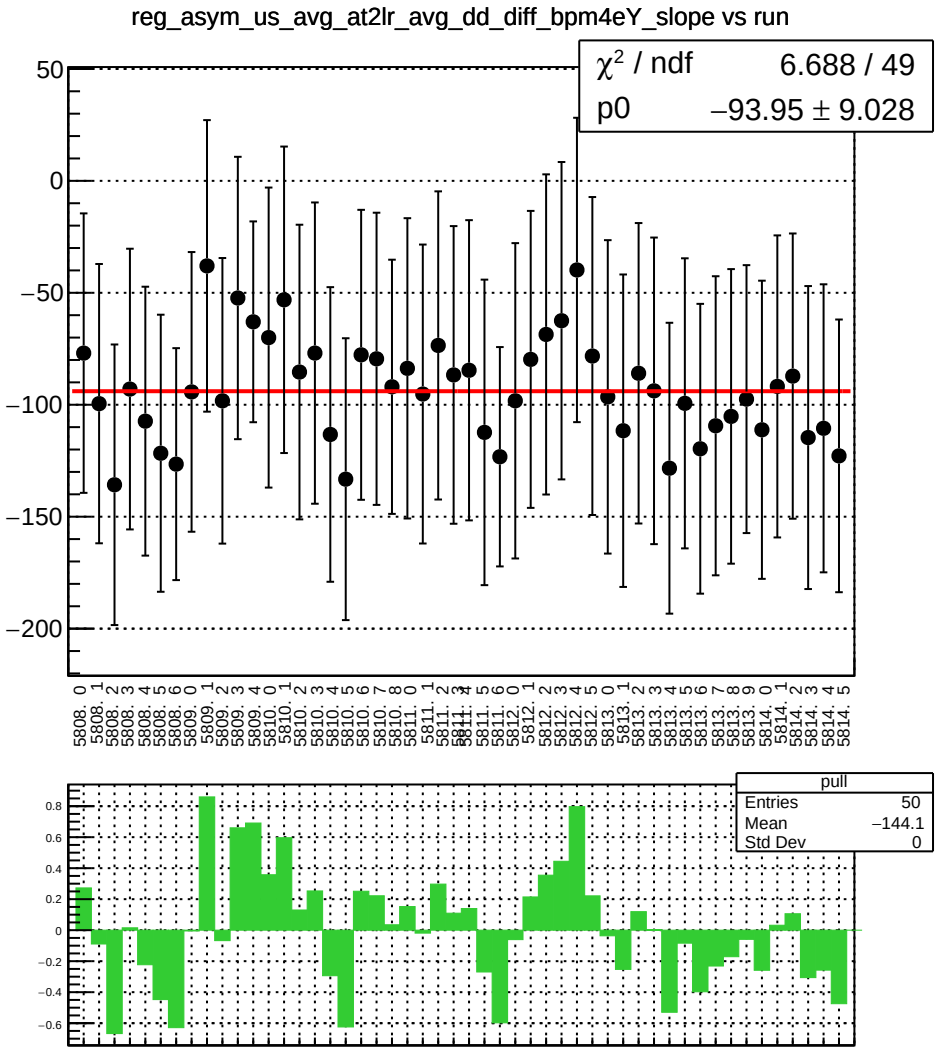

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 4.773 / 49
p0 313.5 ± 5.169
pull
Entries 50
Mean 185.1
Std Dev 0

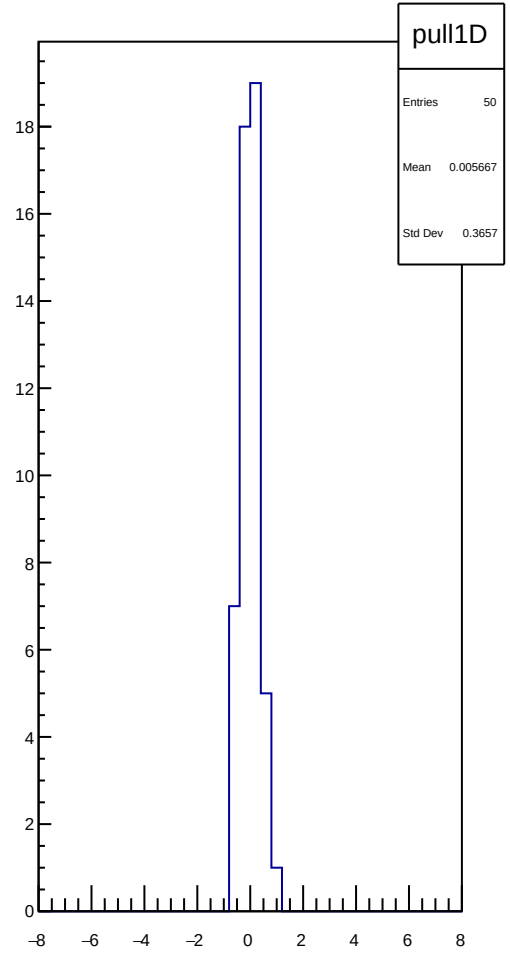

pull1D
Entries 50
Mean 0.008372
Std Dev 0.3088

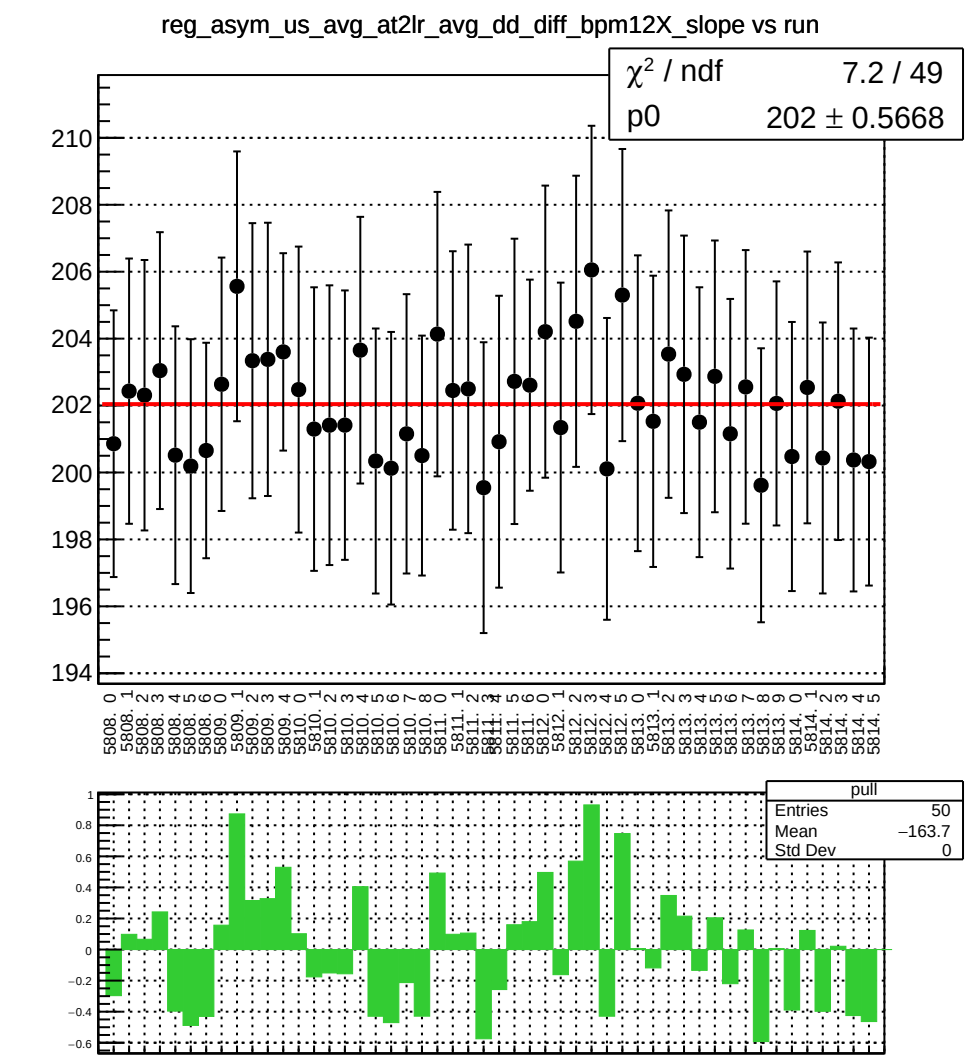

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 6.947 / 49
p0 −6.325 ± 8.245
pull
Entries 50
Mean −305.5
Std Dev 0
pull1D
Entries 50
Mean −0.004434
Std Dev 0.3727

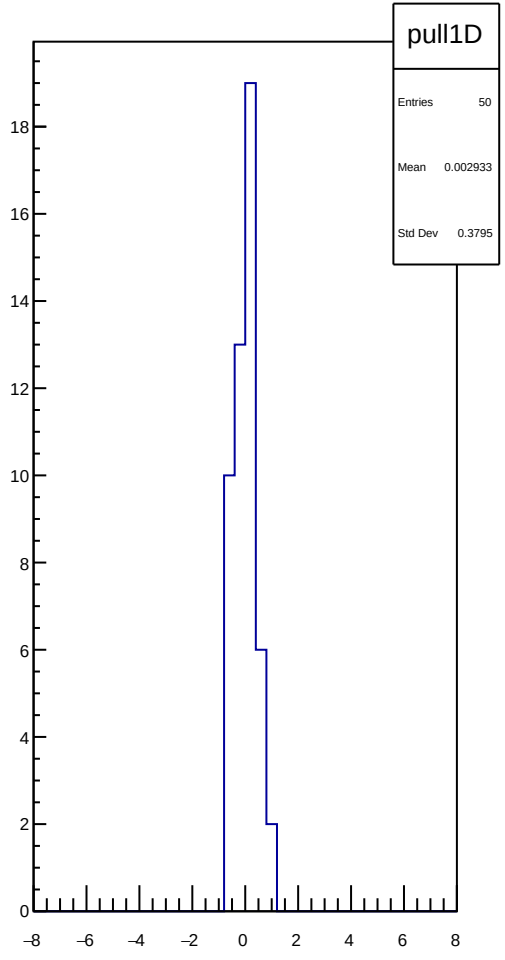

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.683 / 49
p0 −499.4 ± 7.405
−400
−450
−500
−550
−600
pull
Entries 50
Mean −58.02
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

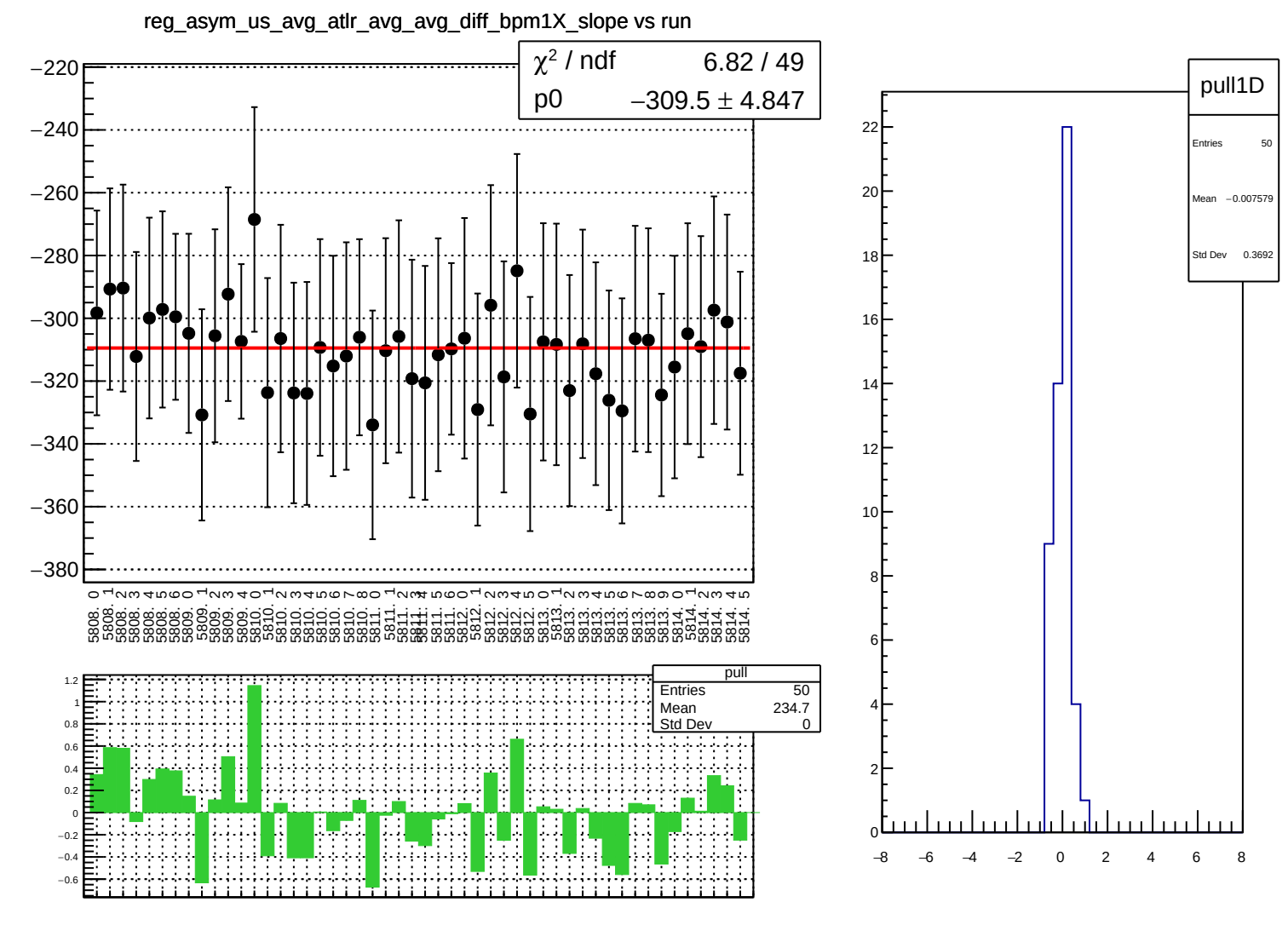

pull1D
Entries 50
Mean −0.002398
Std Dev 0.2714
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

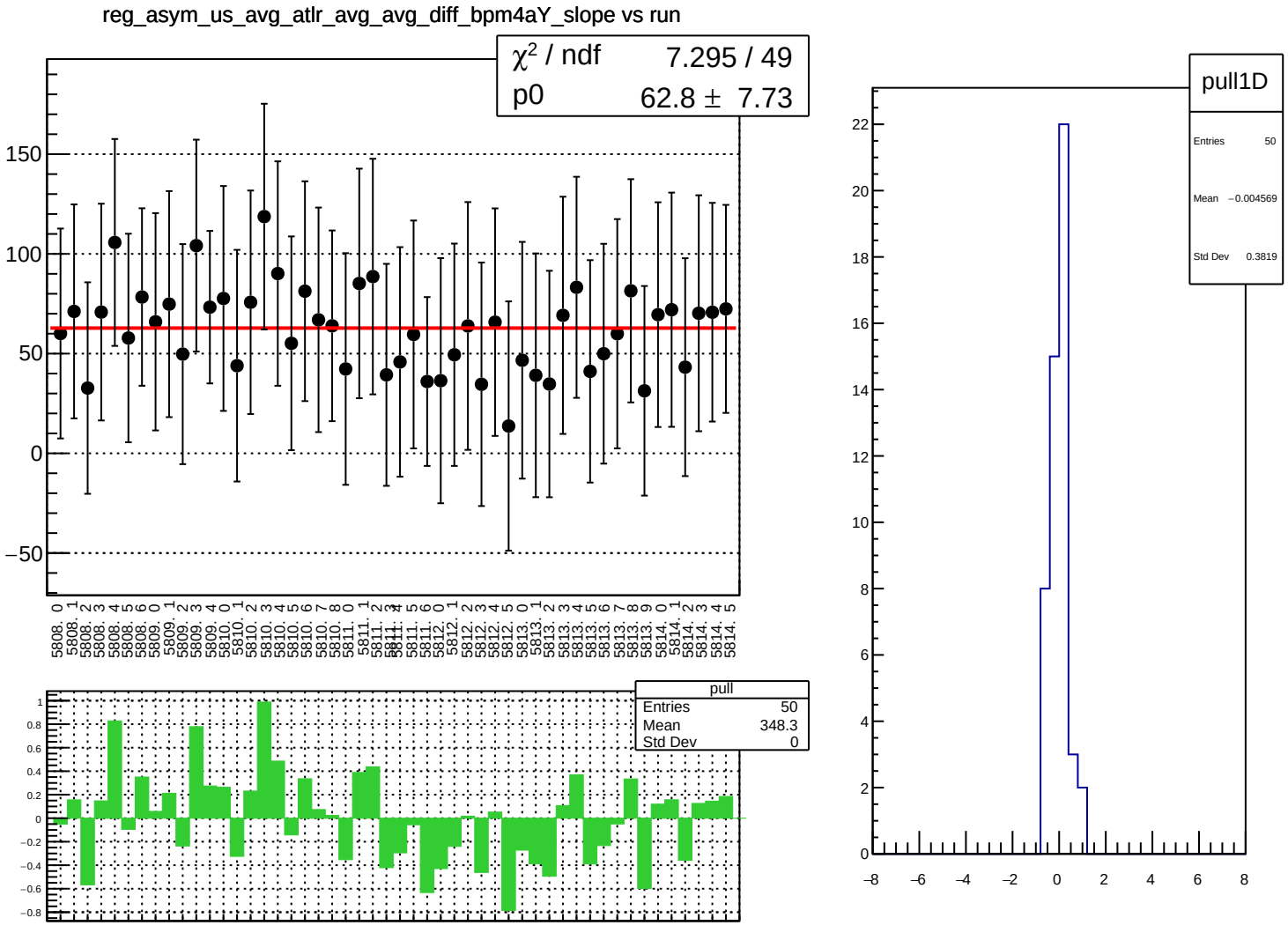

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 6.688 / 49
p0 −93.95 ± 9.028
pull
Entries 50
Mean −144.1
Std Dev 0

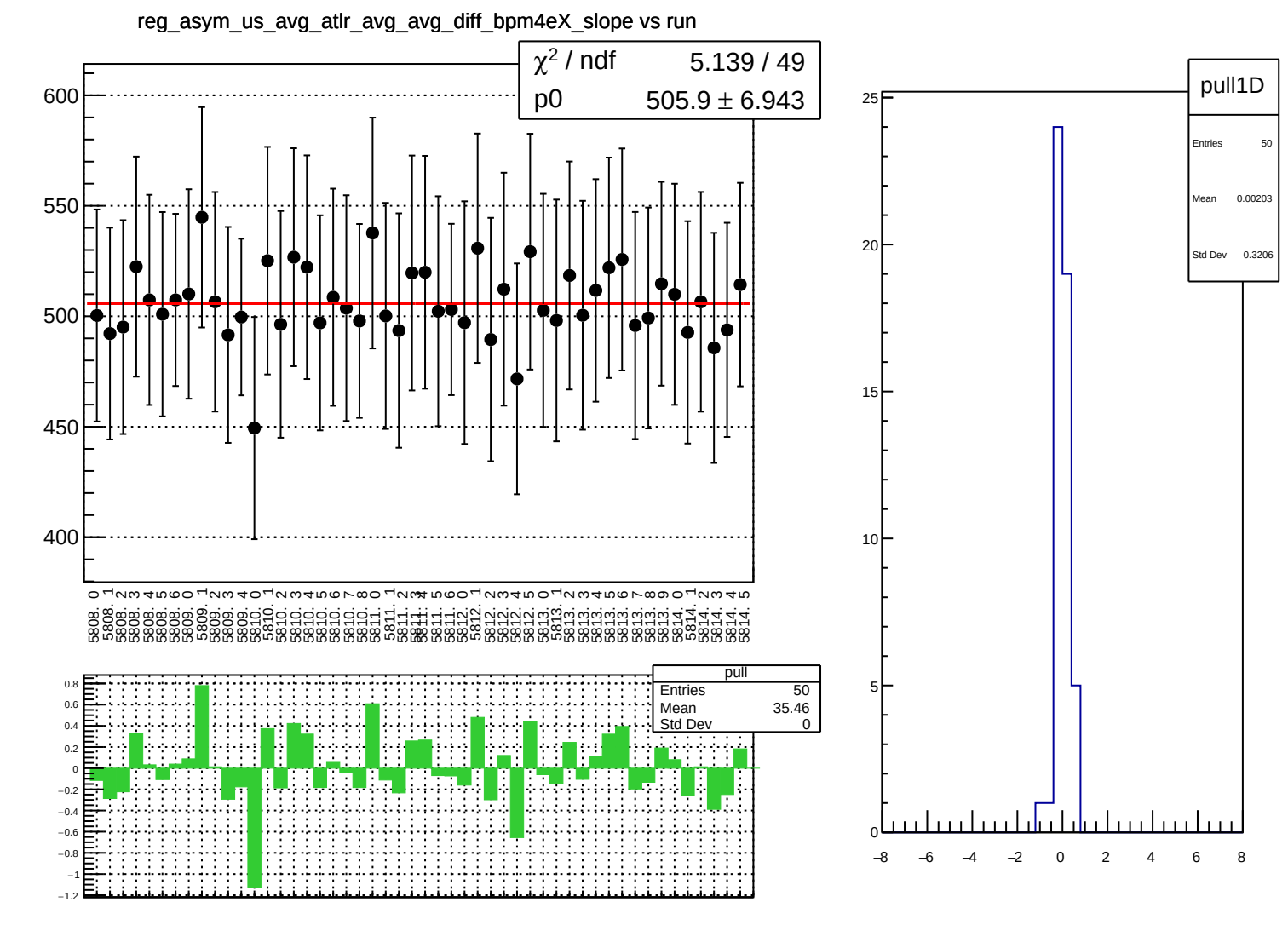

pull1D
Entries 50
Mean 0.005667
Std Dev 0.3657

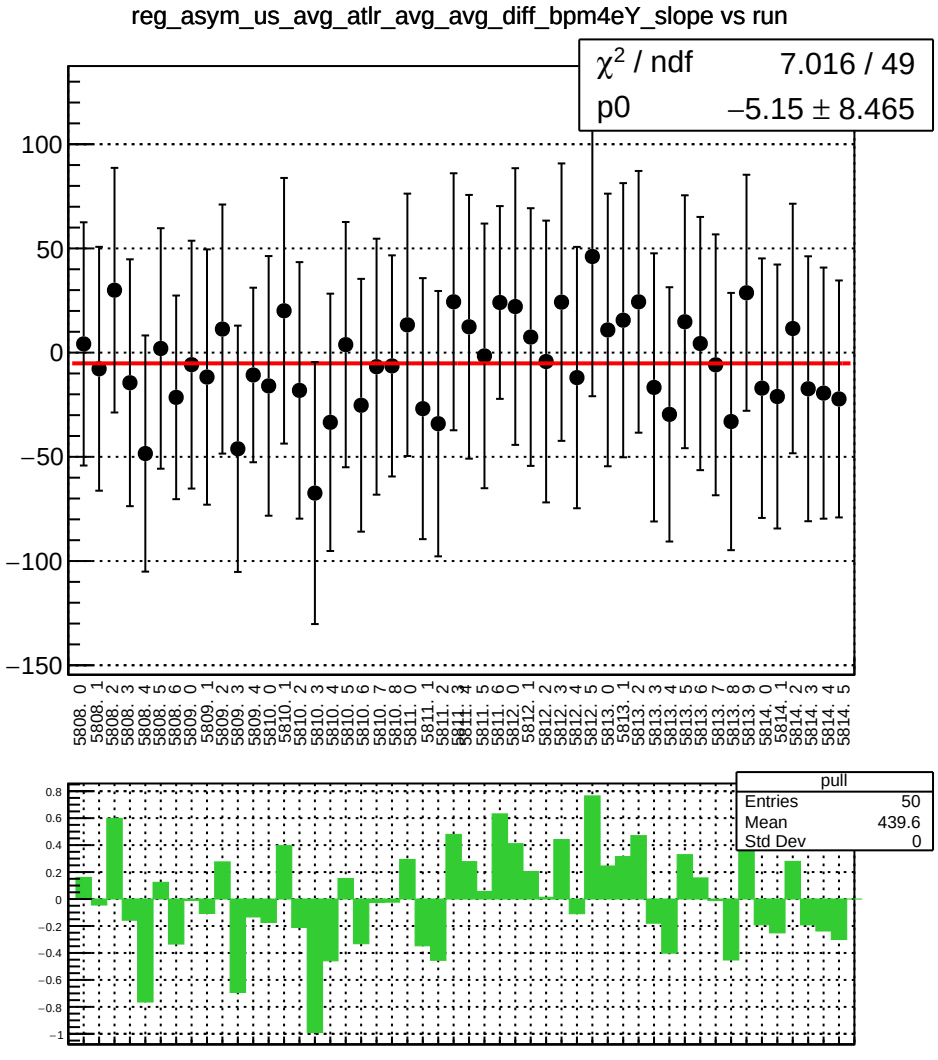

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 7.2 / 49
p0 202 ± 0.5668
pull
Entries 50
Mean −163.7
Std Dev 0

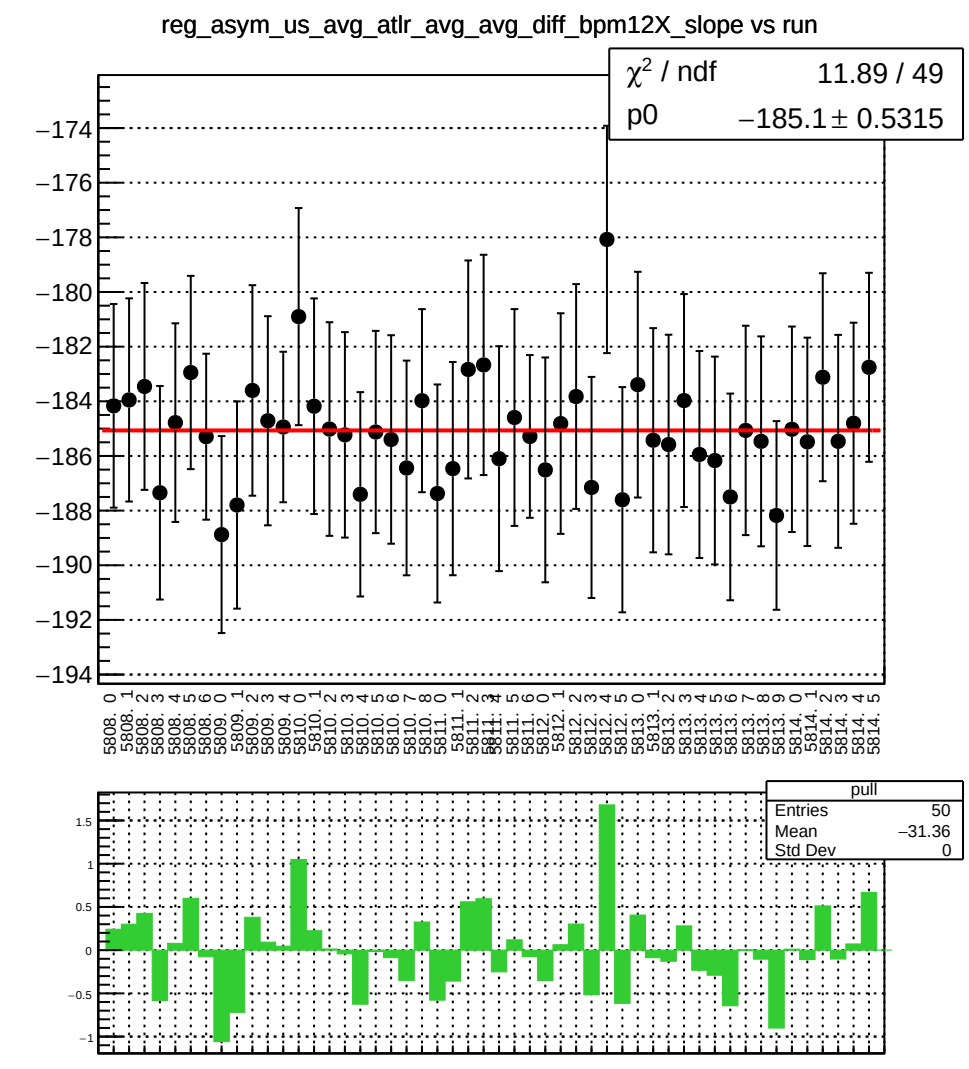

pull1D
Entries 50
Mean 0.002933
Std Dev 0.3795

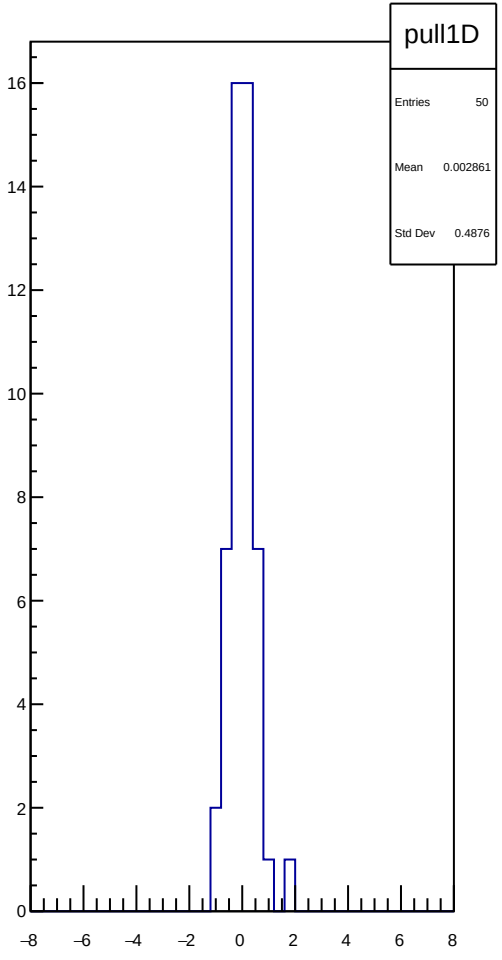

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 6.82 / 49
p0 −309.5 ± 4.847
pull
Entries 50
Mean 234.7
Std Dev 0
pull1D
Entries 50
Mean −0.007579
Std Dev 0.3692

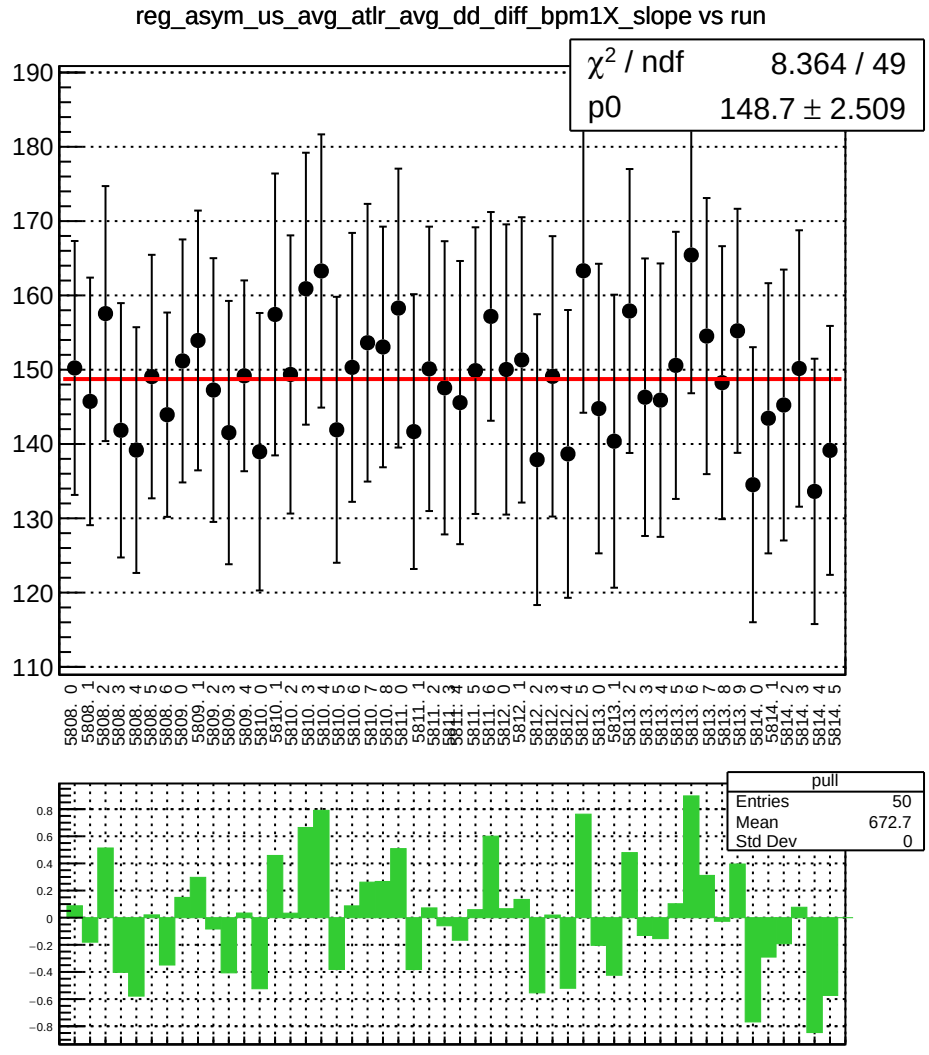

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 7.295 / 49
p0 62.8 ± 7.73
150
100
50
0
−50
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 348.3
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 50
Mean −0.004569
Std Dev 0.3819
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

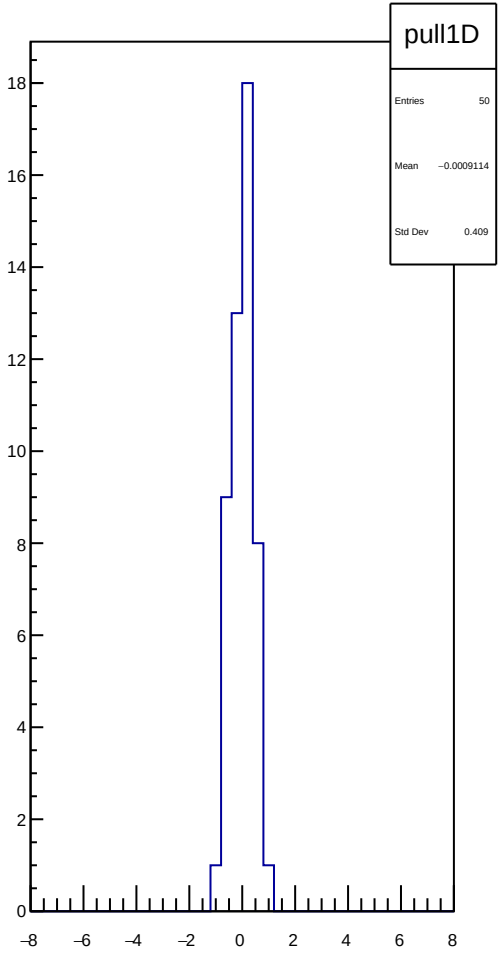

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.139 / 49
p0 505.9 ± 6.943
600
550
500
450
400
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 35.46
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
pull1D
Entries 50
Mean 0.00203
Std Dev 0.3206
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

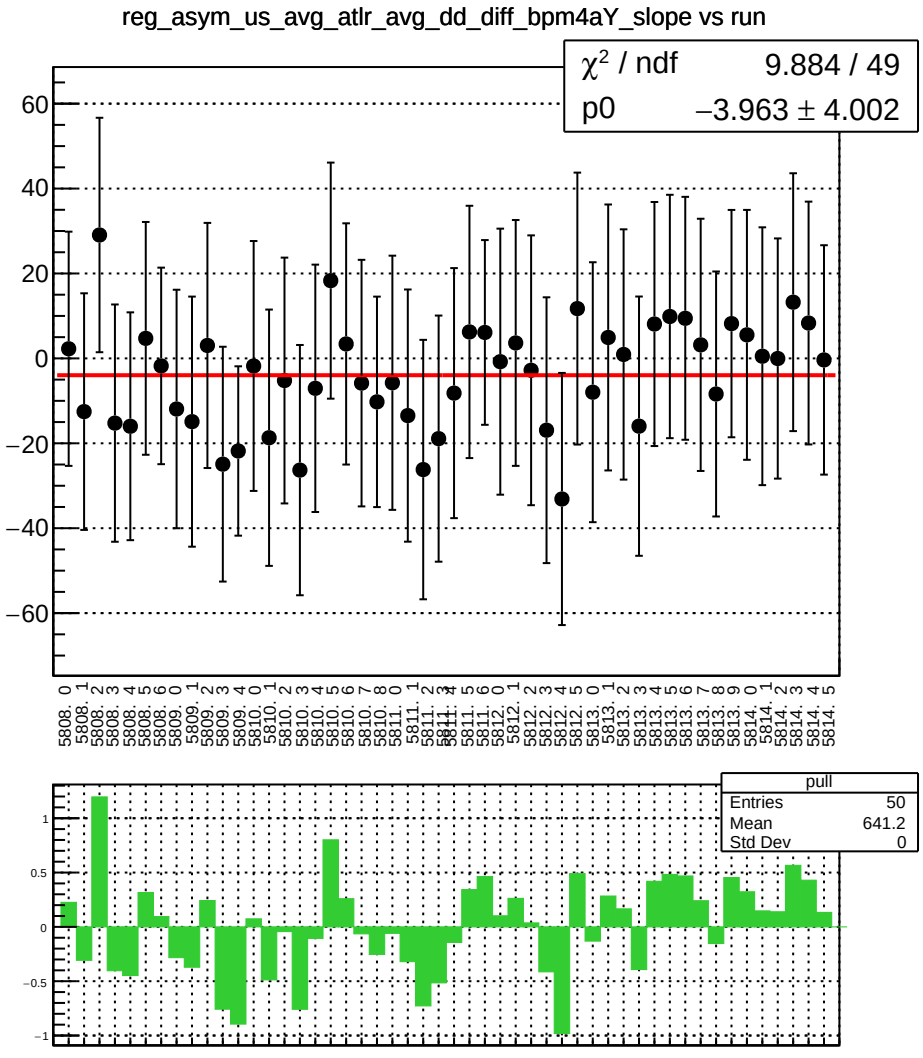

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.016 / 49
p0 −5.15 ± 8.465
pull
Entries 50
Mean 439.6
Std Dev 0
pull1D
Entries 50
Mean 0.001779
Std Dev 0.3746

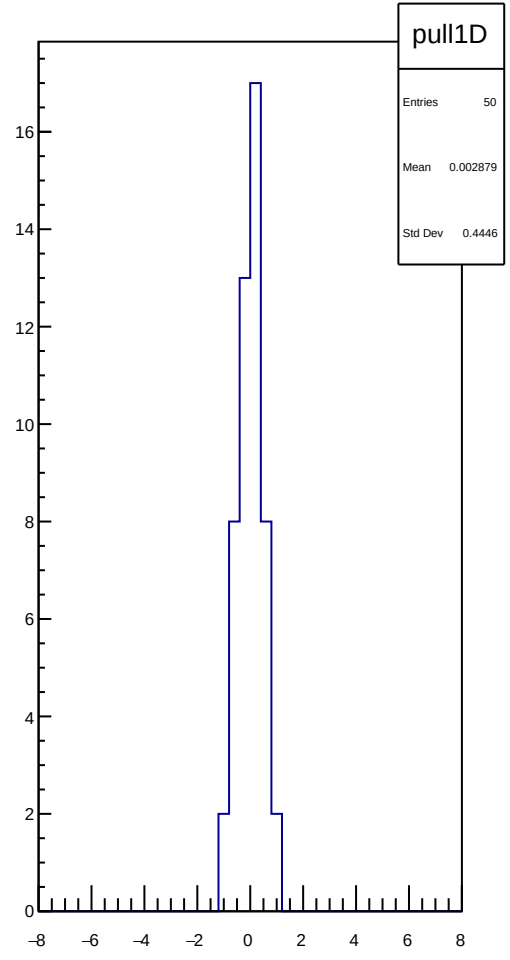

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 11.89 / 49
p0 −185.1 ± 0.5315
pull
Entries 50
Mean −31.36
Std Dev 0

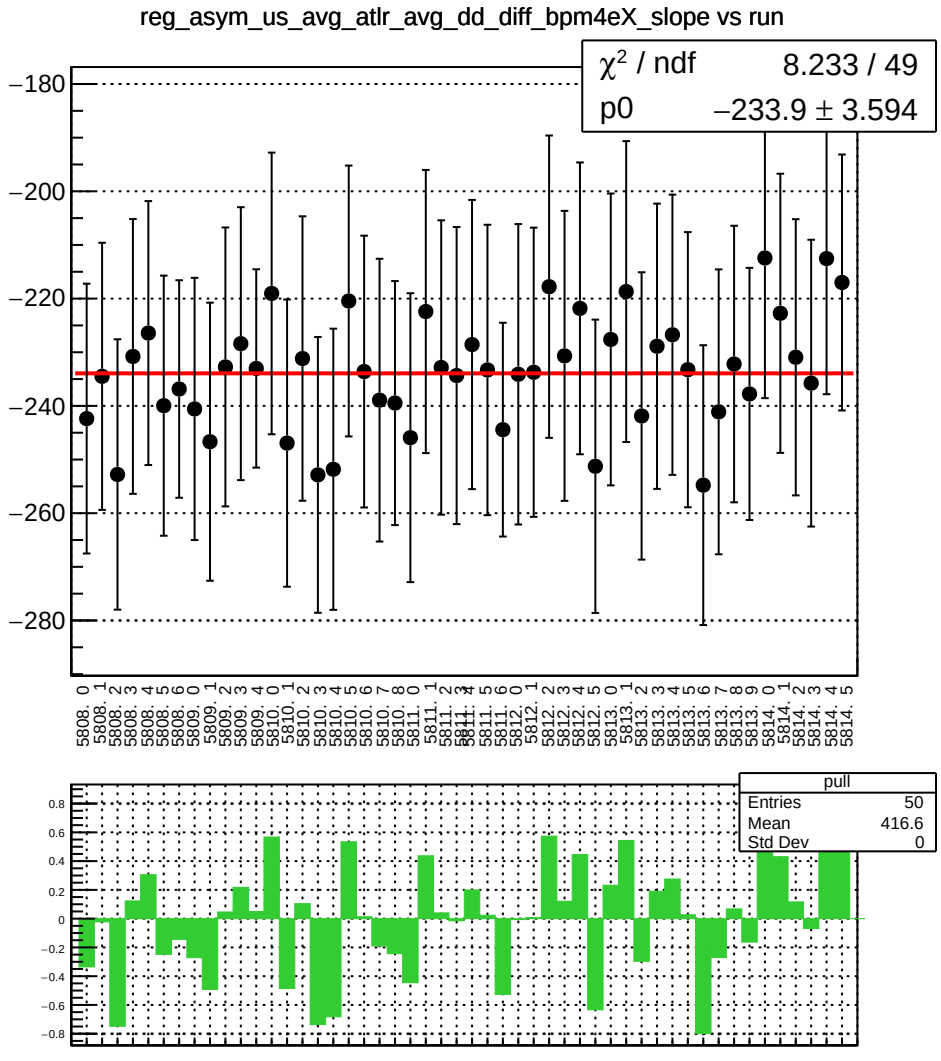

pull1D
Entries 50
Mean 0.002861
Std Dev 0.4876

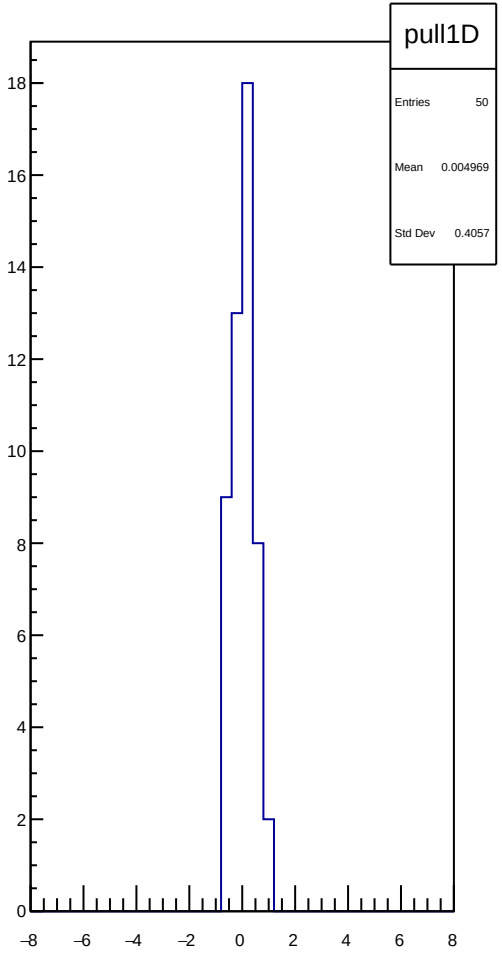

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 8.364 / 49
p0 148.7 ± 2.509
pull
Entries 50
Mean 672.7
Std Dev 0

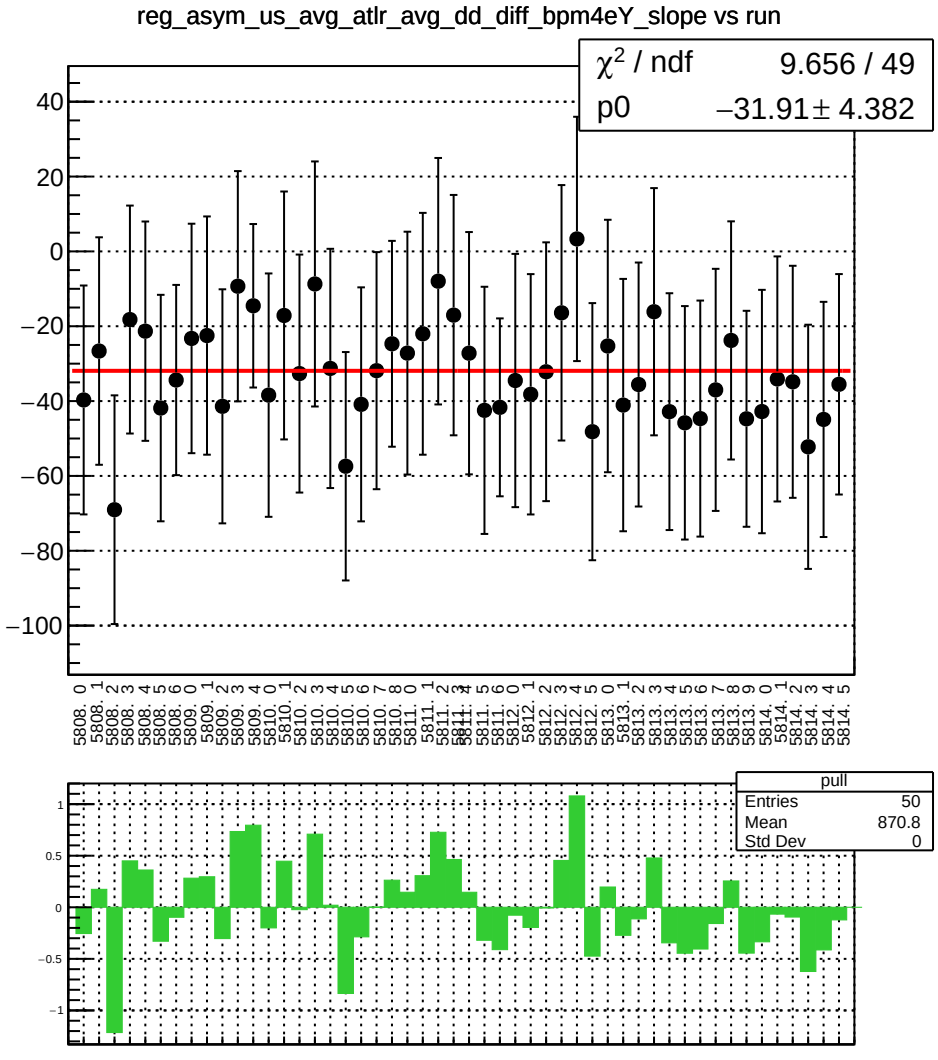

pull1D
Entries 50
Mean −0.0009114
Std Dev 0.409

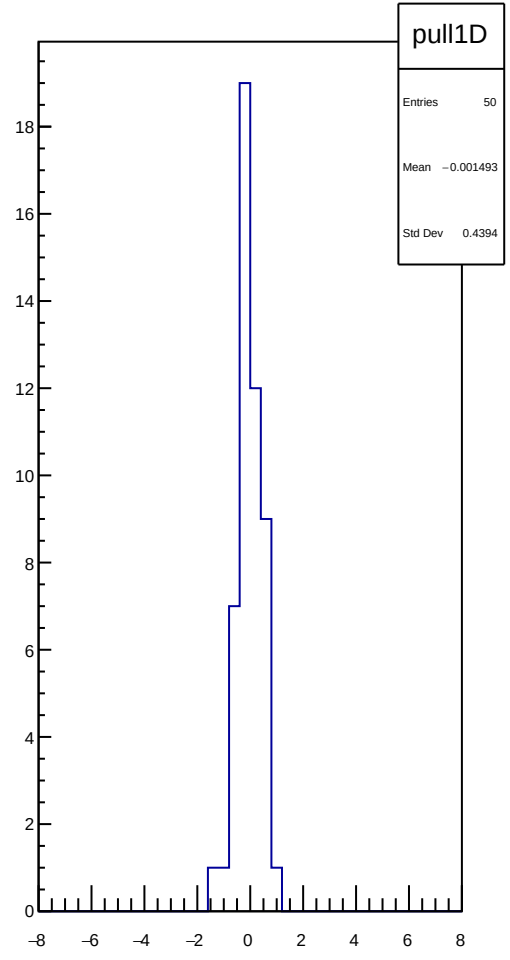

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.884 / 49
p0 −3.963 ± 4.002
pull
Entries 50
Mean 641.2
Std Dev 0

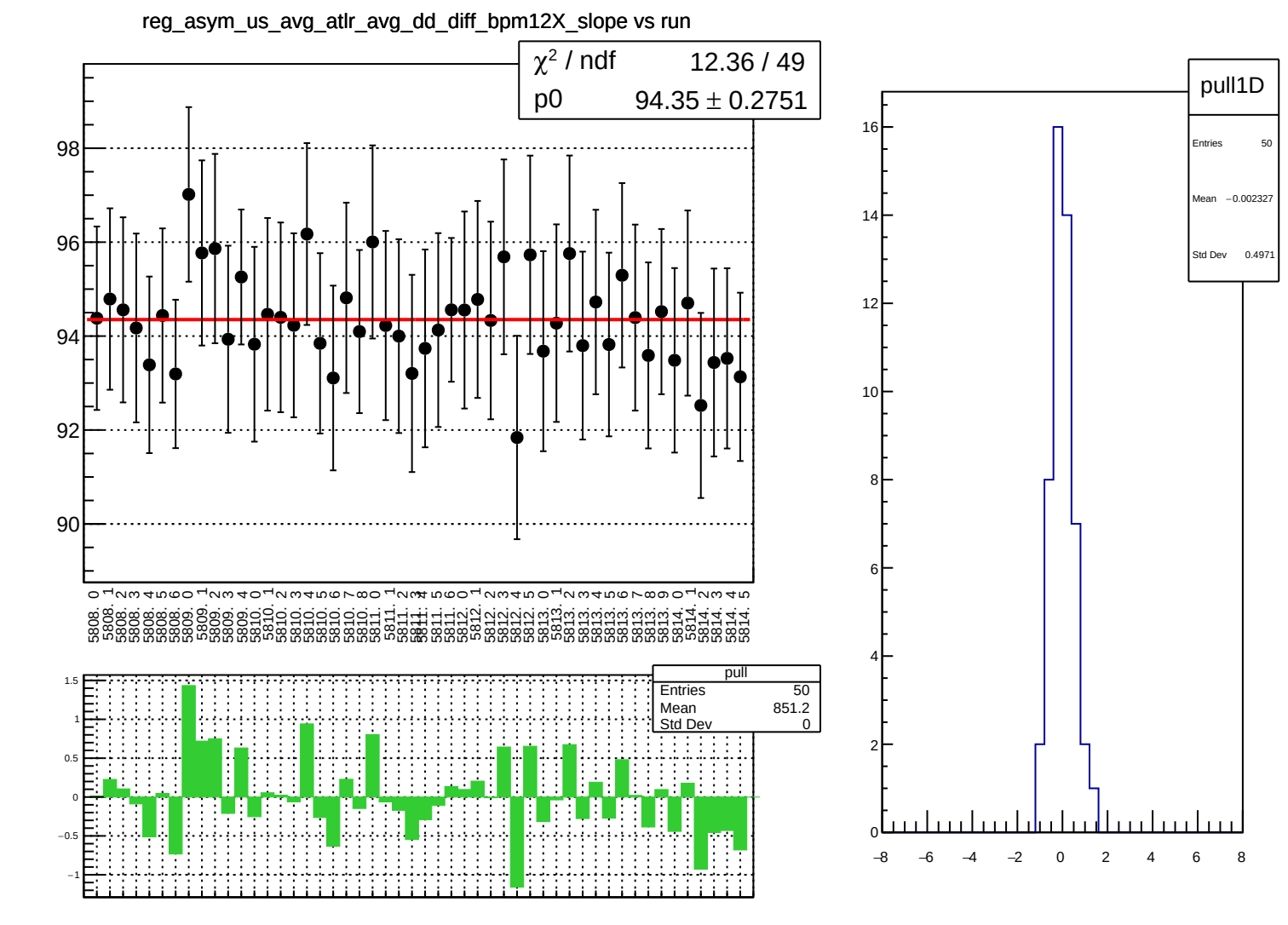

pull1D
Entries 50
Mean 0.002879
Std Dev 0.4446

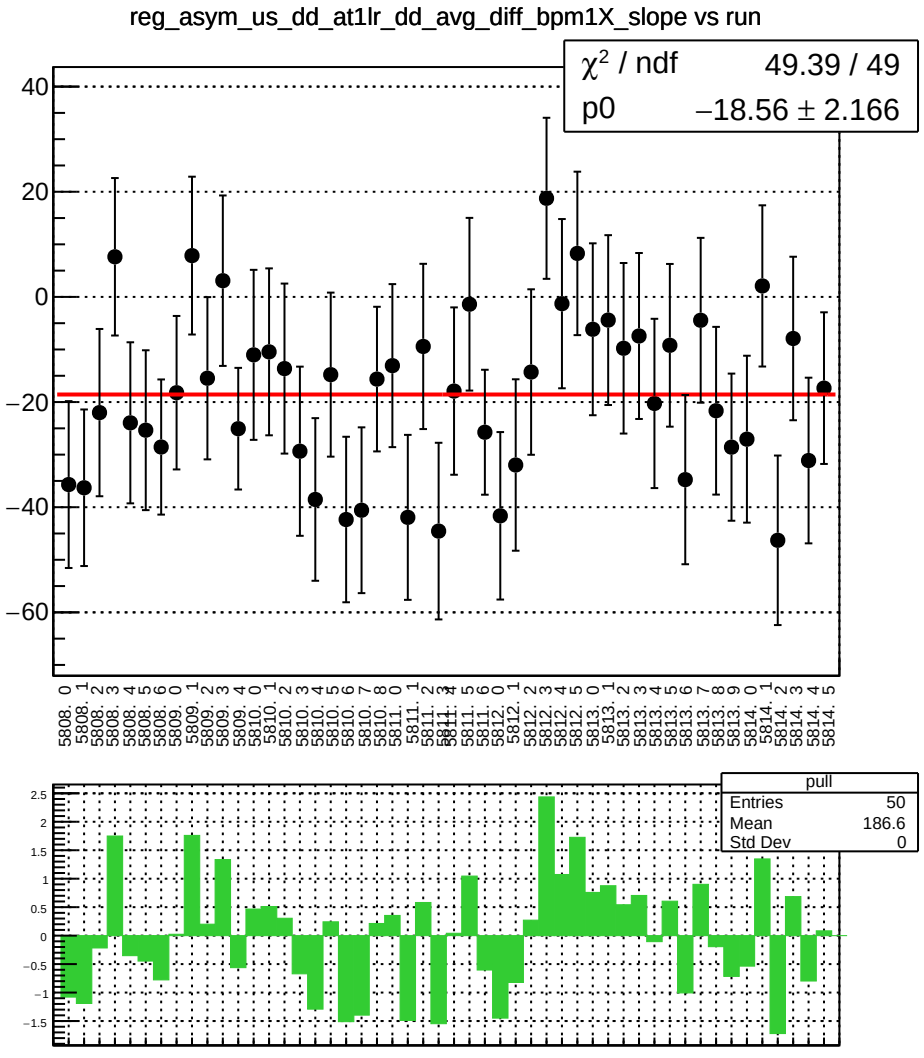

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 8.233 / 49
p0 −233.9 ± 3.594
pull
Entries 50
Mean 416.6
Std Dev 0

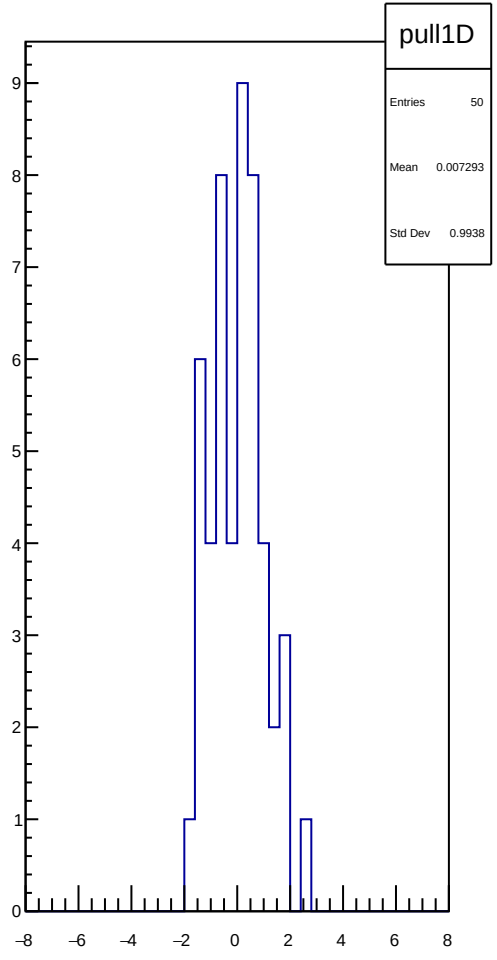

pull1D
Entries 50
Mean 0.004969
Std Dev 0.4057

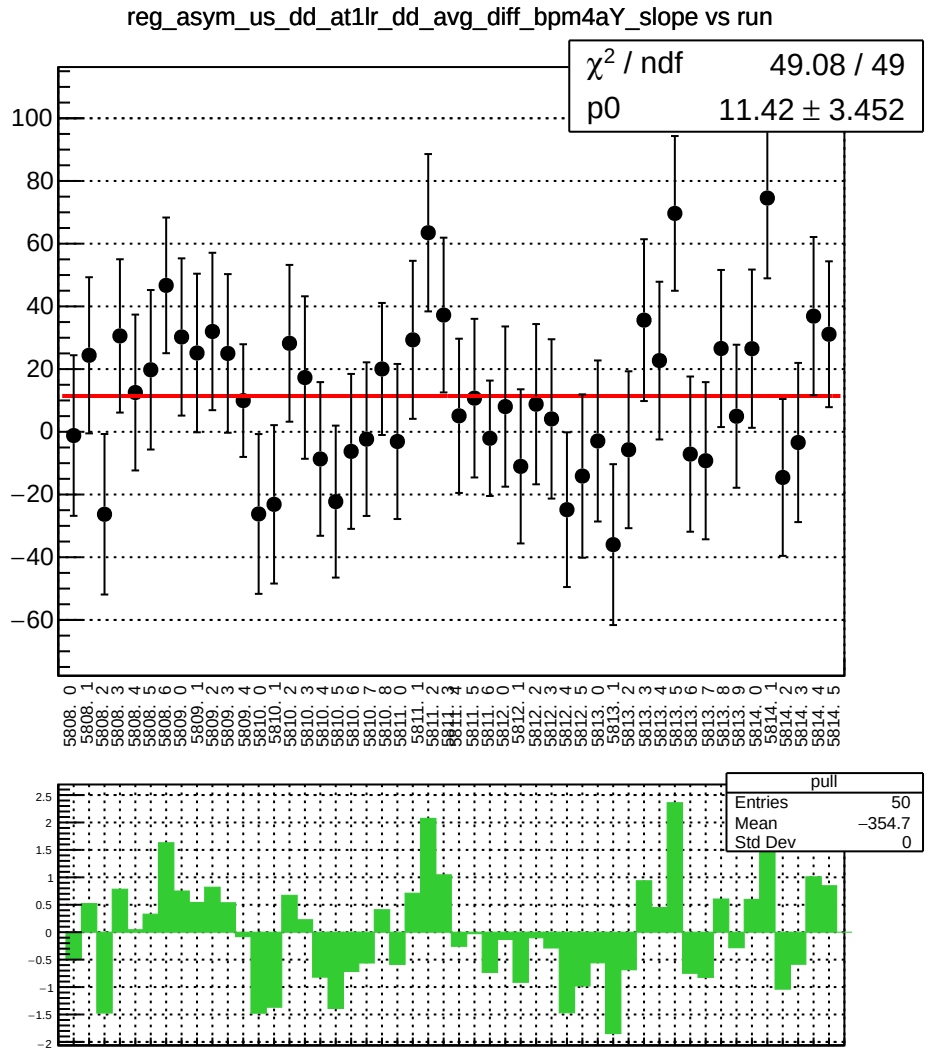

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.656 / 49
p0 −31.91 ± 4.382
pull
Entries 50
Mean 870.8
Std Dev 0

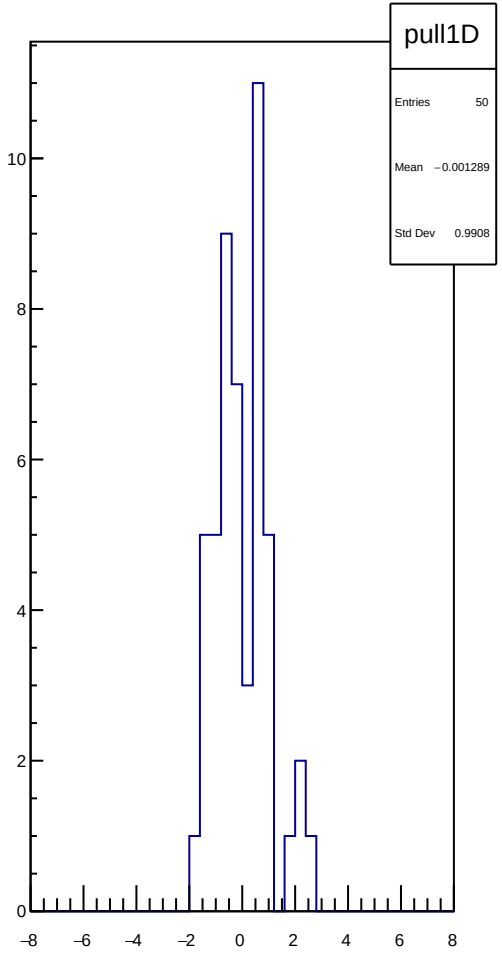

pull1D
Entries 50
Mean −0.001493
Std Dev 0.4394

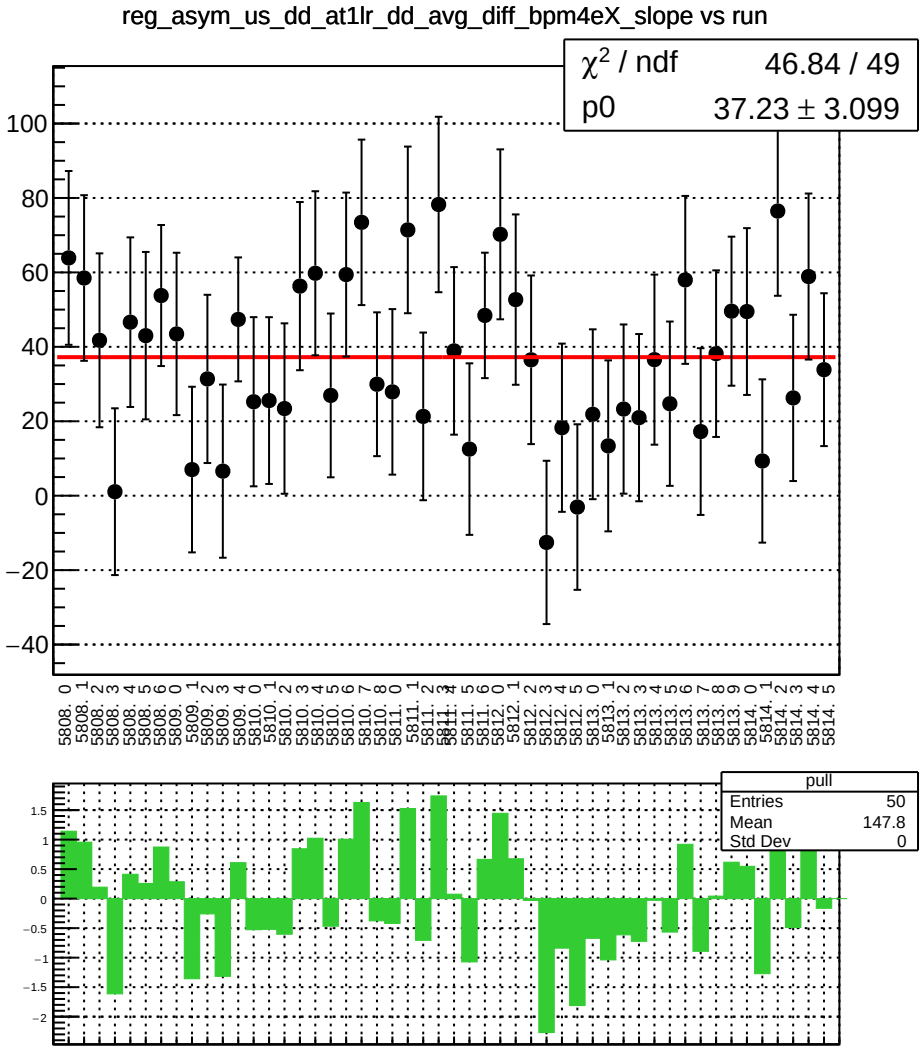

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.36 / 49
p0 94.35 ± 0.2751
98
96
94
92
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 851.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 50
Mean −0.002327
Std Dev 0.4971
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

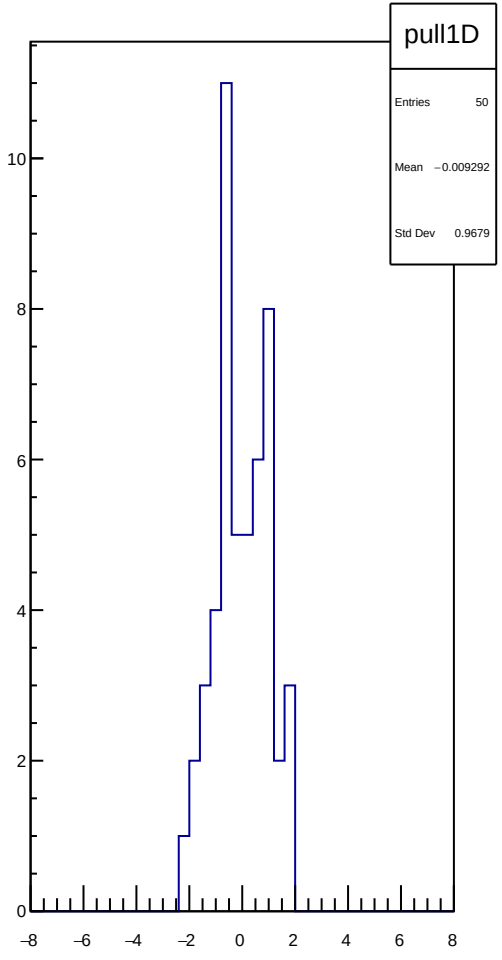

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 49.39 / 49
p0 −18.56 ± 2.166
pull
Entries 50
Mean 186.6
Std Dev 0

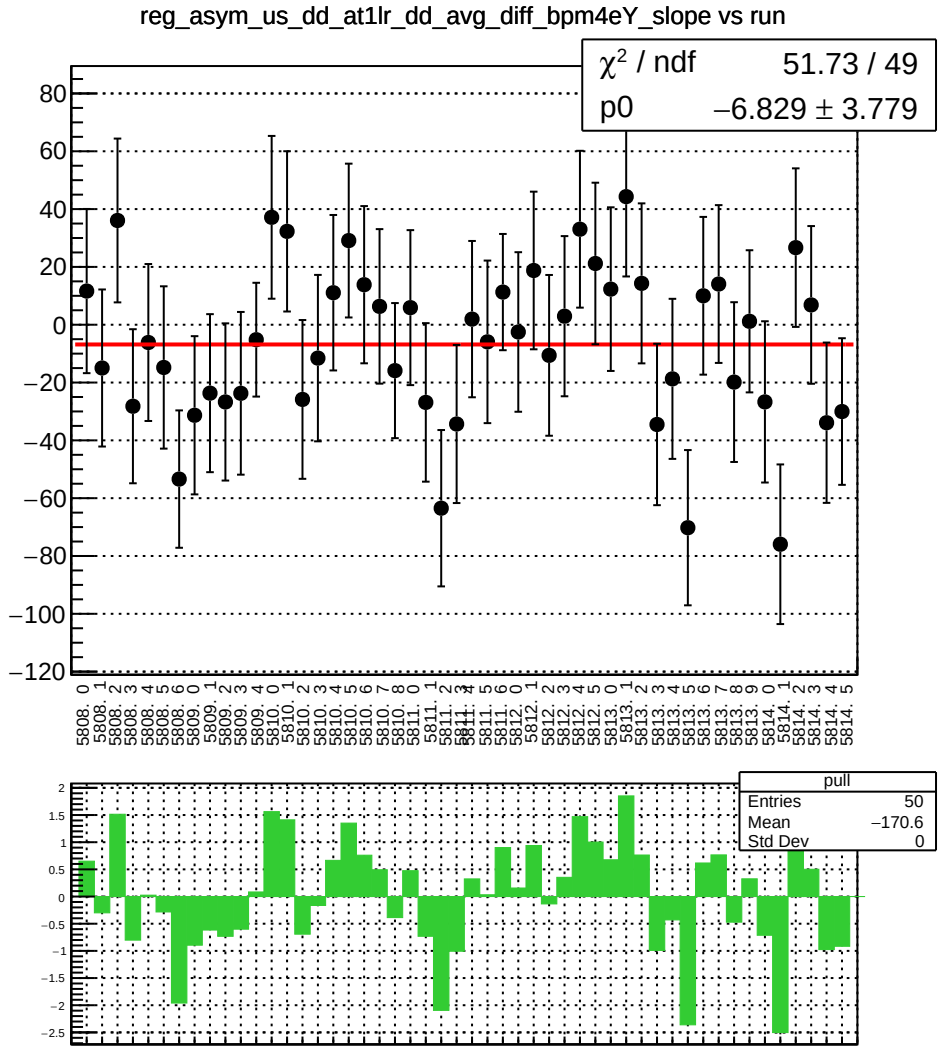

pull1D
Entries 50
Mean 0.007293
Std Dev 0.9938

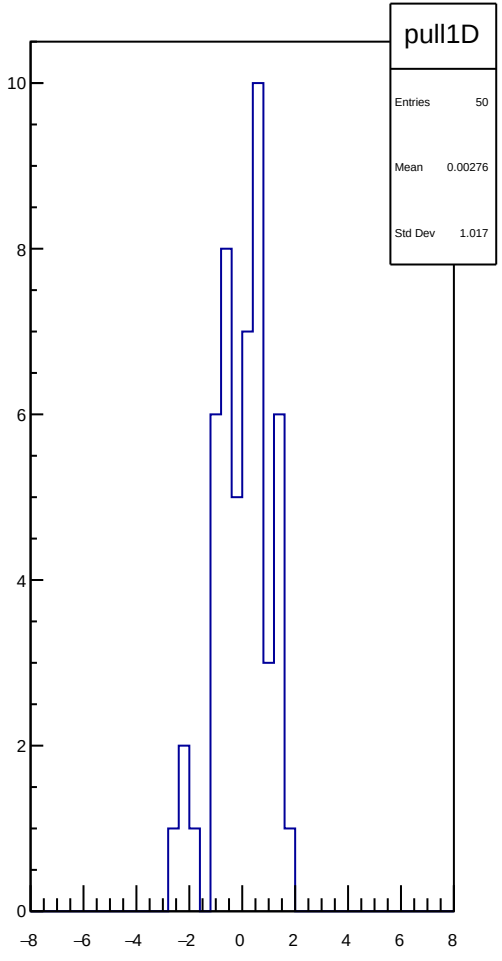

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 49.08 / 49
p0 11.42 ± 3.452
pull
Entries 50
Mean −354.7
Std Dev 0

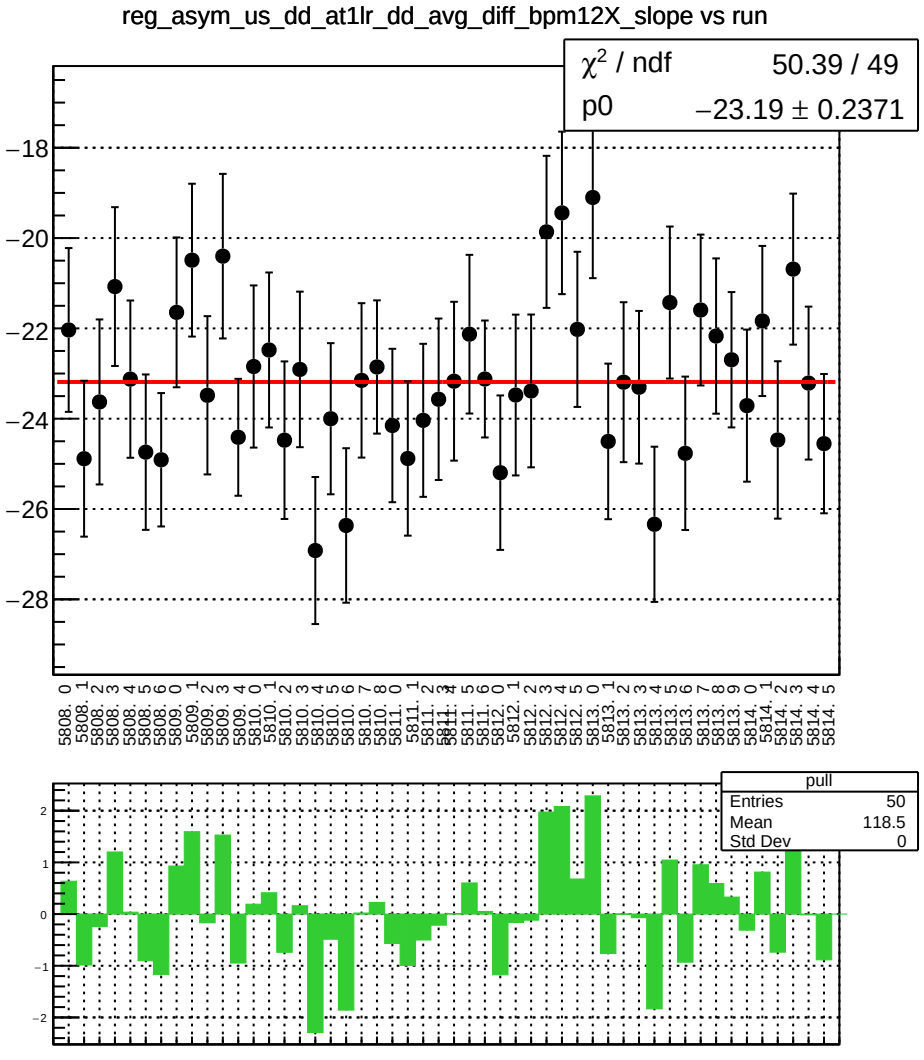

pull1D
Entries 50
Mean −0.001289
Std Dev 0.9908

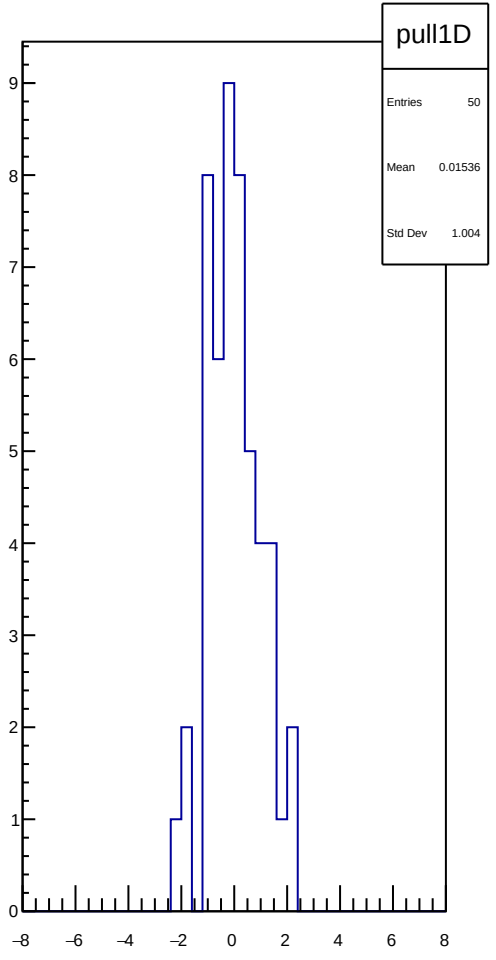

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 46.84 / 49
p0 37.23 ± 3.099
pull
Entries 50
Mean 147.8
Std Dev 0

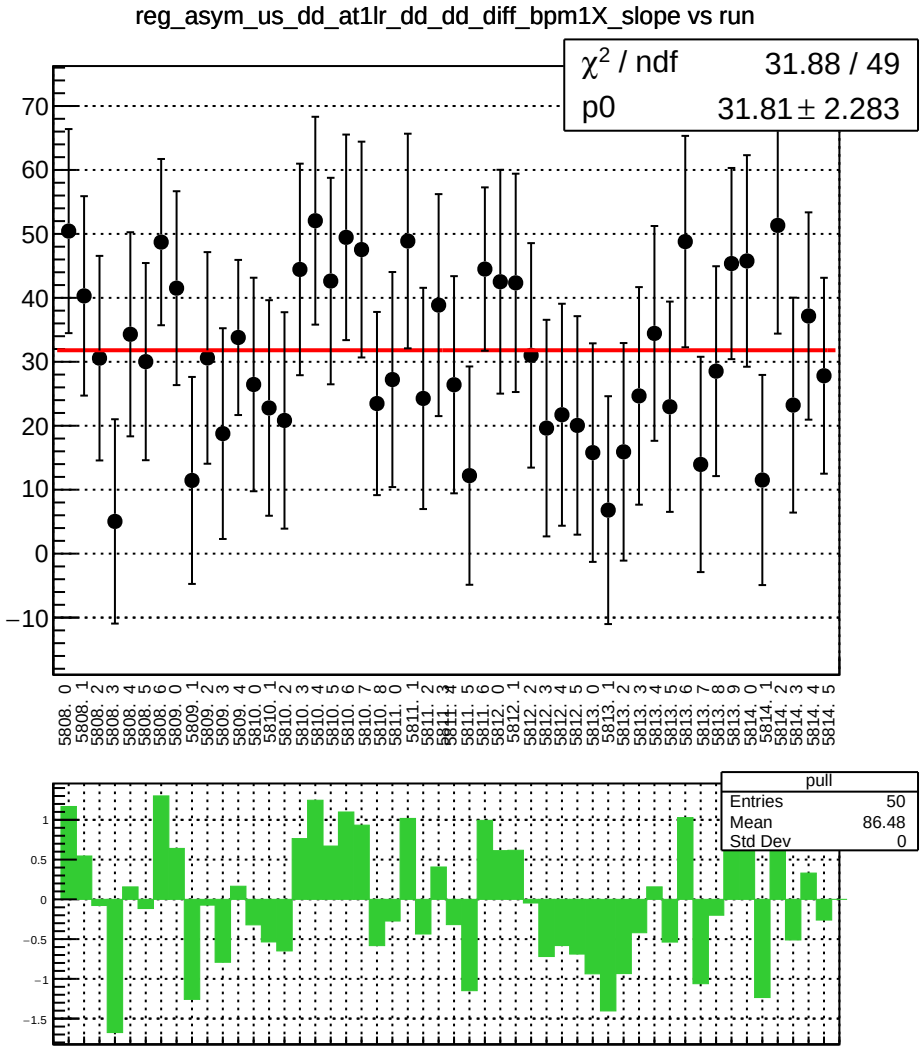

pull1D
Entries 50
Mean −0.009292
Std Dev 0.9679

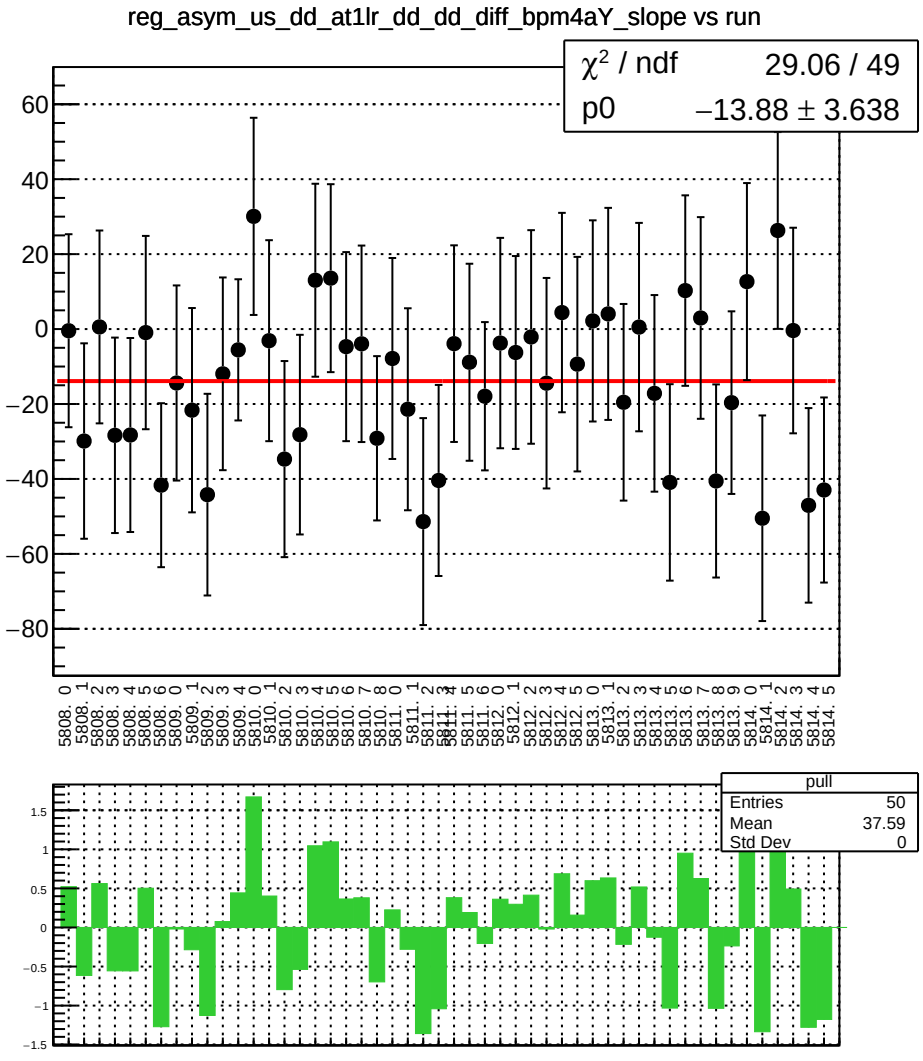

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 51.73 / 49
p0 −6.829 ± 3.779
pull
Entries 50
Mean −170.6
Std Dev 0

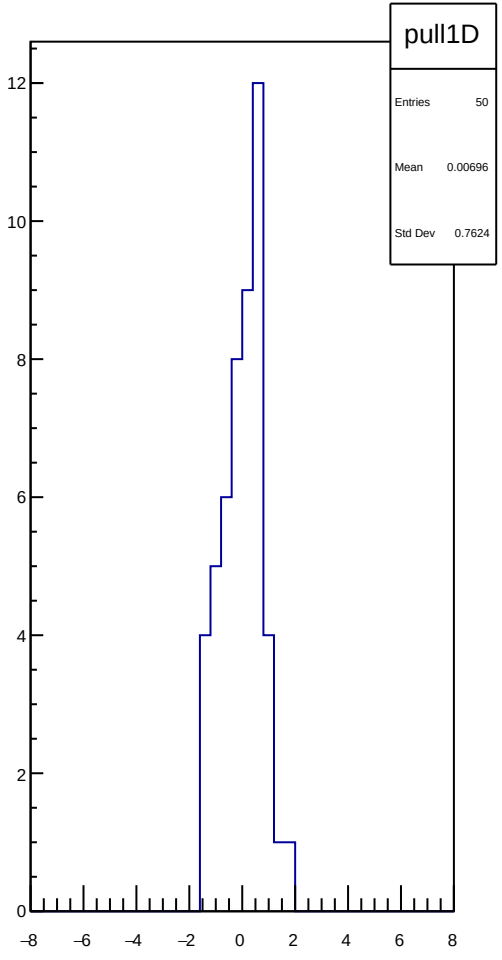

pull1D
Entries 50
Mean 0.00276
Std Dev 1.017

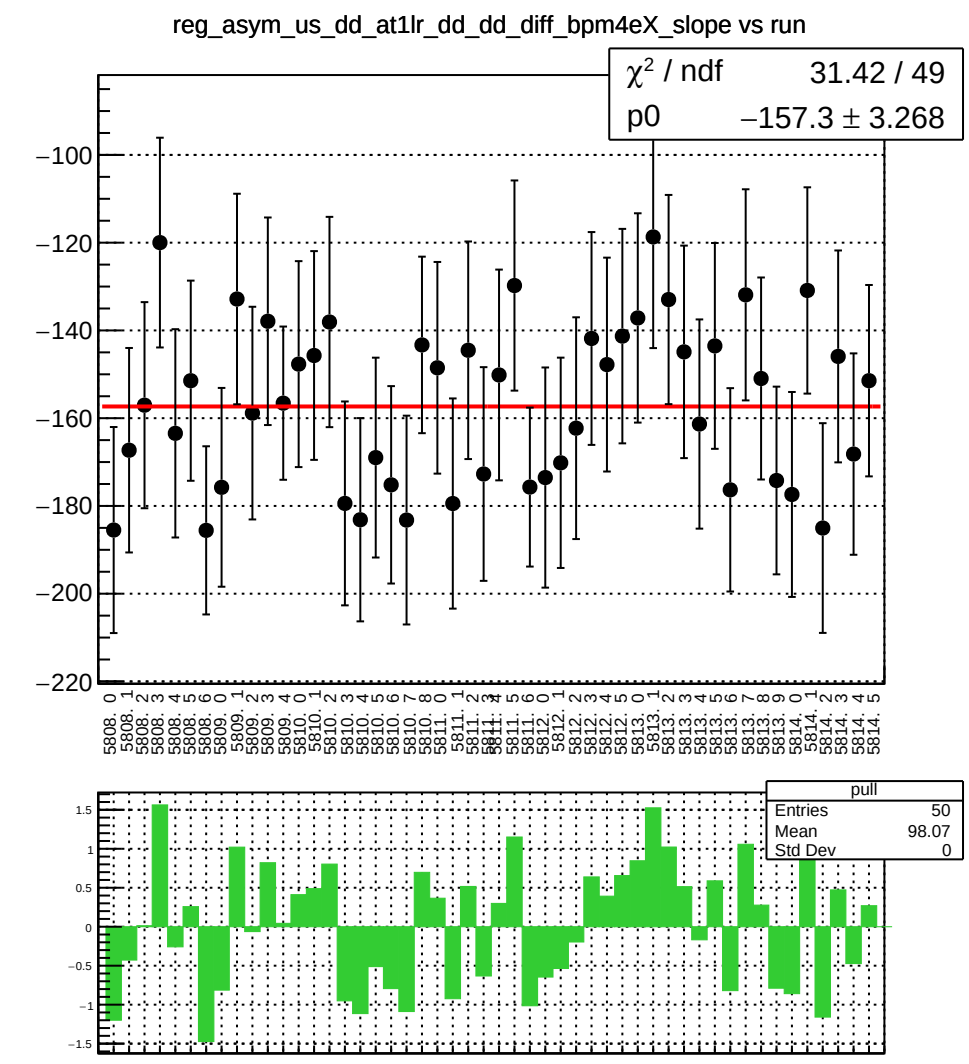

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 50.39 / 49
p0 −23.19 ± 0.2371
pull
Entries 50
Mean 118.5
Std Dev 0

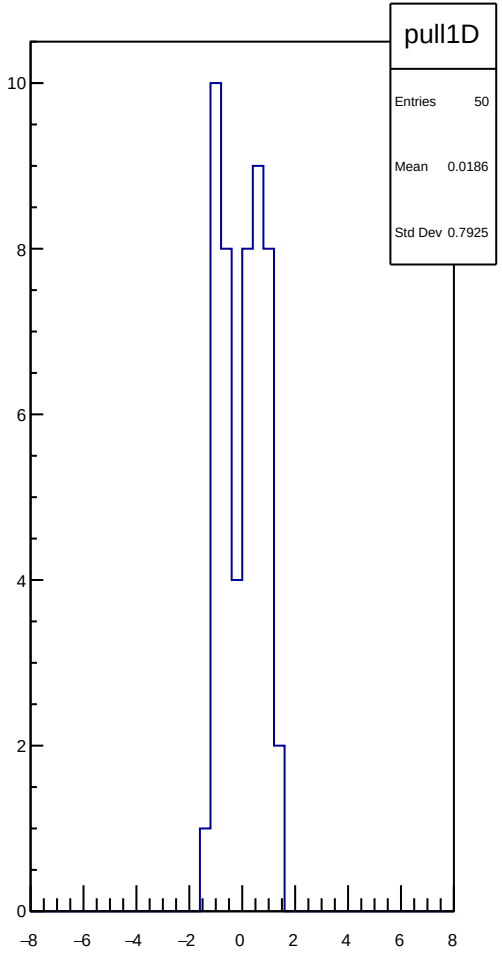

pull1D
Entries 50
Mean 0.01536
Std Dev 1.004

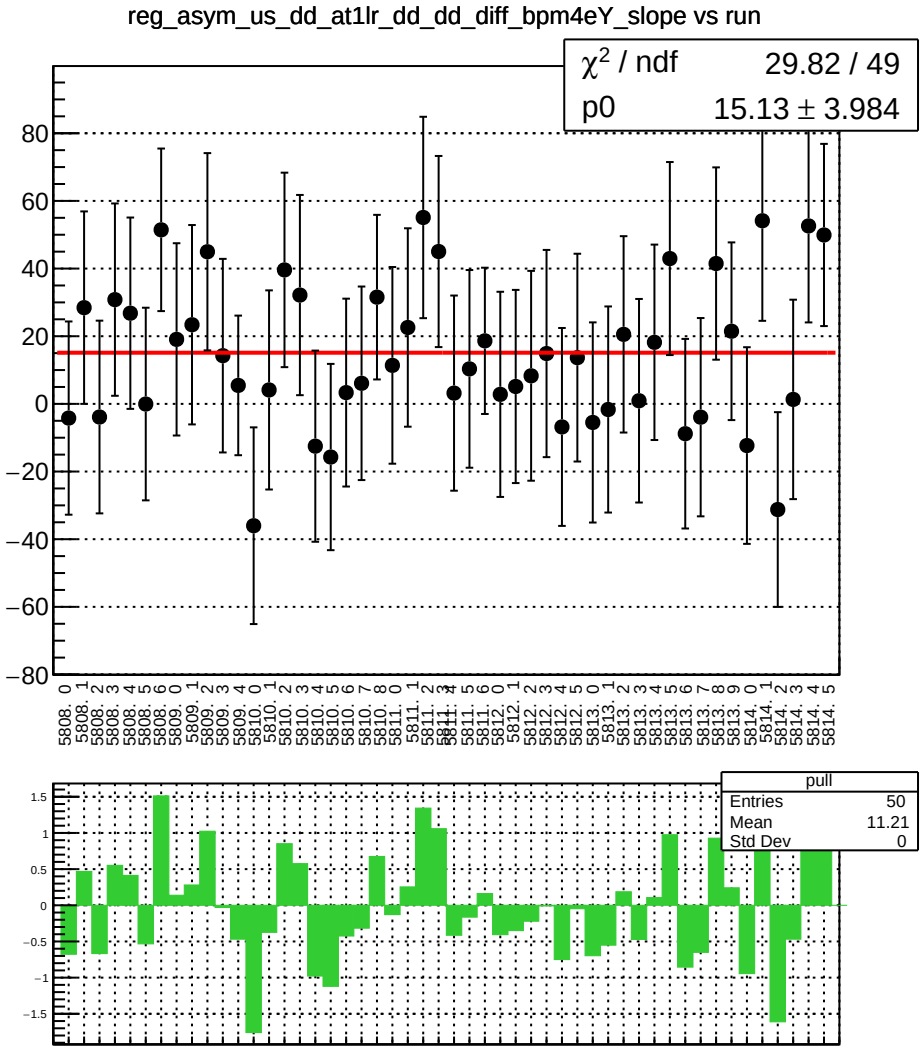

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 31.88 / 49
p0 31.81 ± 2.283
pull
Entries 50
Mean 86.48
Std Dev 0
pull1D
Entries 50
Mean −0.02043
Std Dev 0.7983

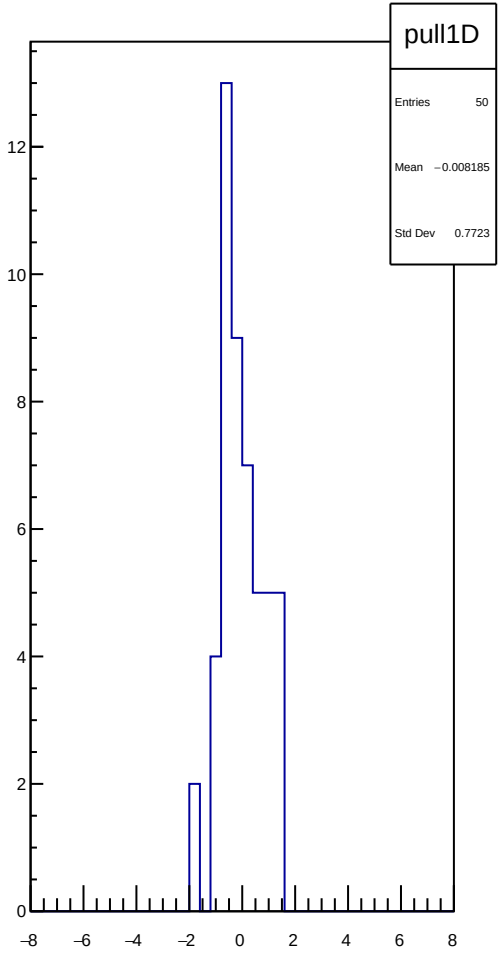

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.06 / 49
p0 −13.88 ± 3.638
pull
Entries 50
Mean 37.59
Std Dev 0

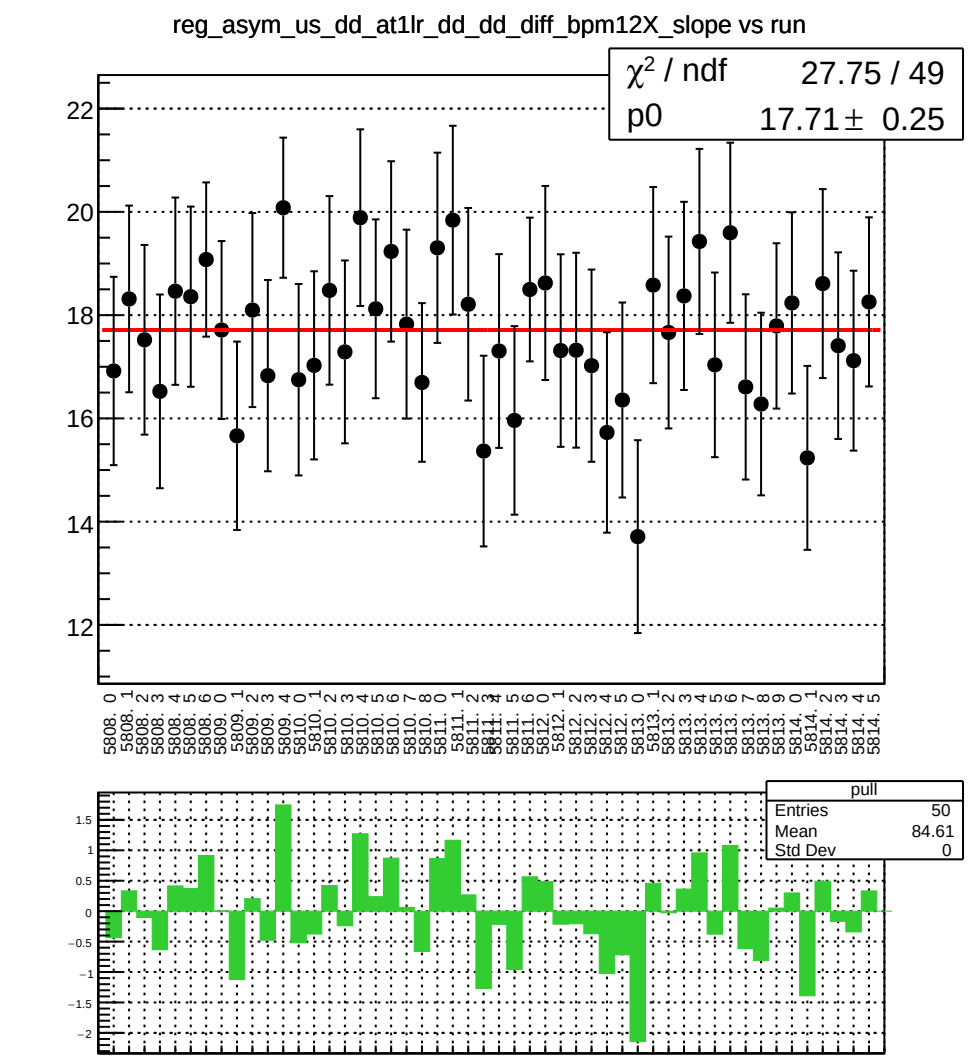

pull1D
Entries 50
Mean 0.00696
Std Dev 0.7624

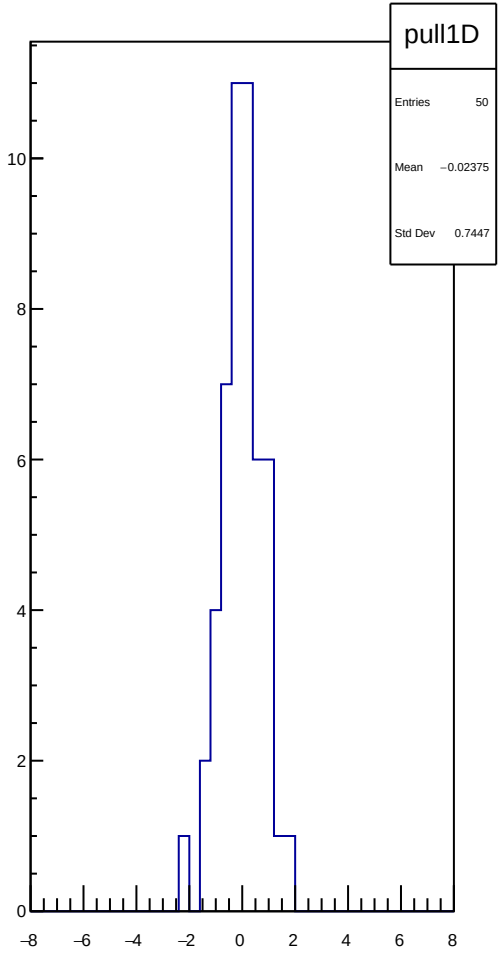

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 31.42 / 49
p0 −157.3 ± 3.268
pull
Entries 50
Mean 98.07
Std Dev 0

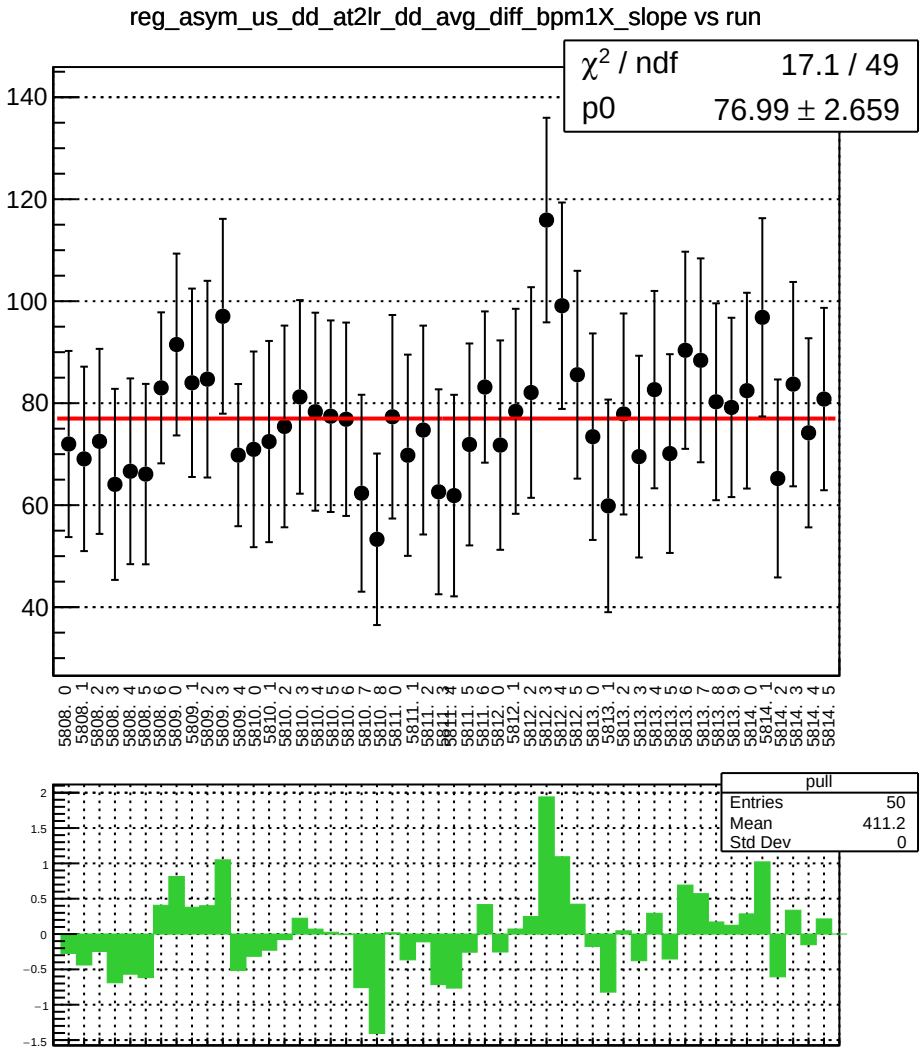

pull1D
Entries 50
Mean 0.0186
Std Dev 0.7925

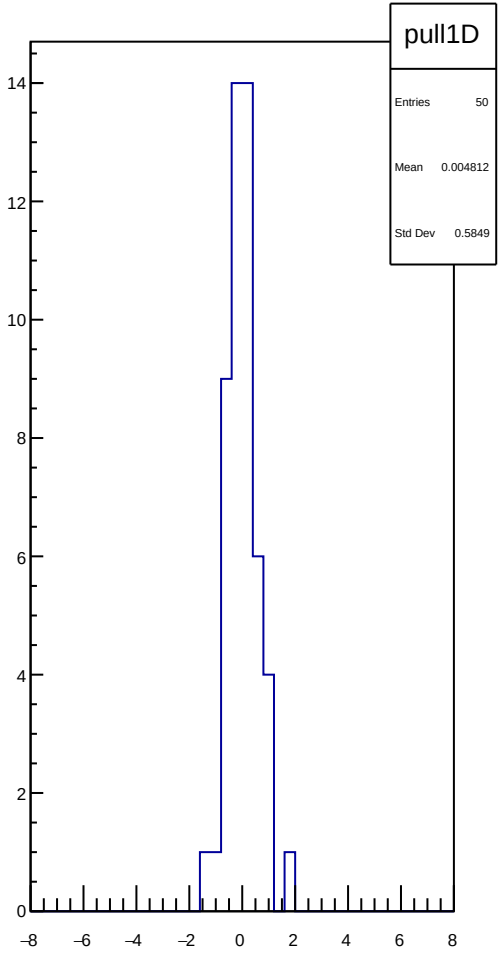

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 29.82 / 49
p0 15.13 ± 3.984
pull
Entries 50
Mean 11.21
Std Dev 0

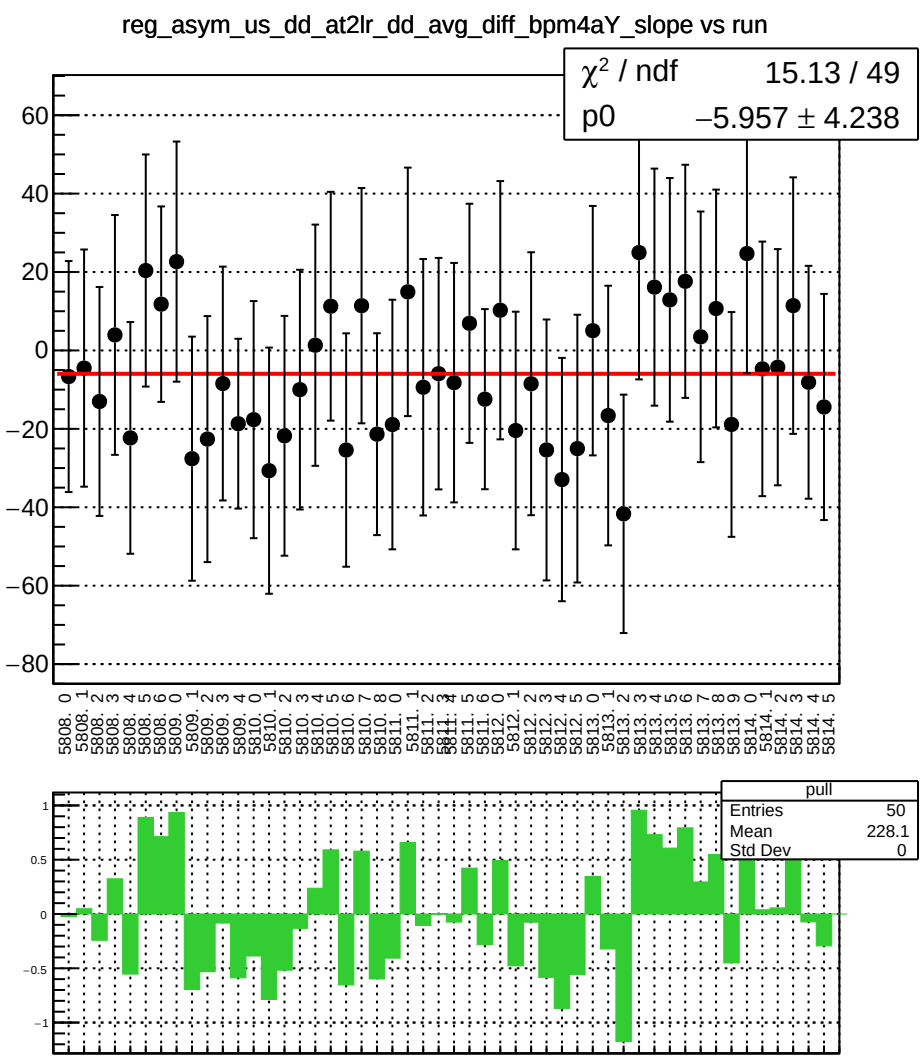

pull1D
Entries 50
Mean −0.008185
Std Dev 0.7723

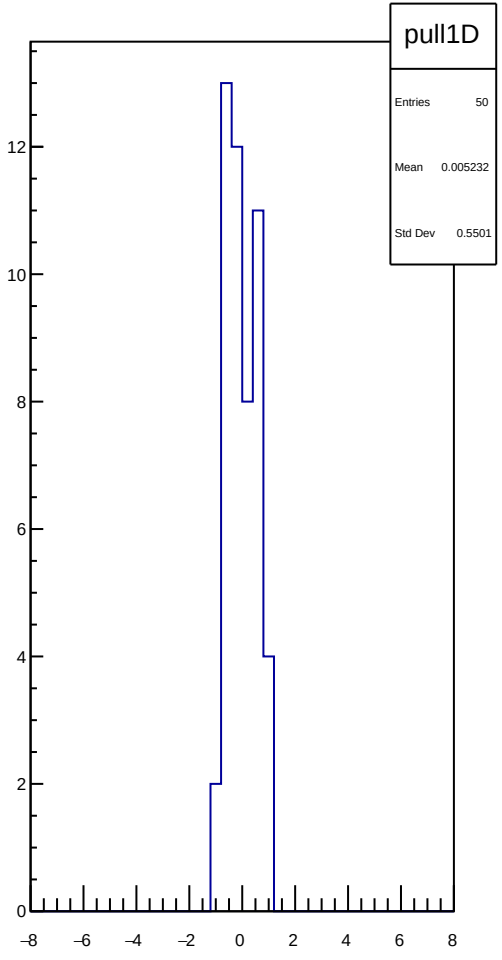

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 27.75 / 49
p0 17.71 ± 0.25
pull
Entries 50
Mean 84.61
Std Dev 0

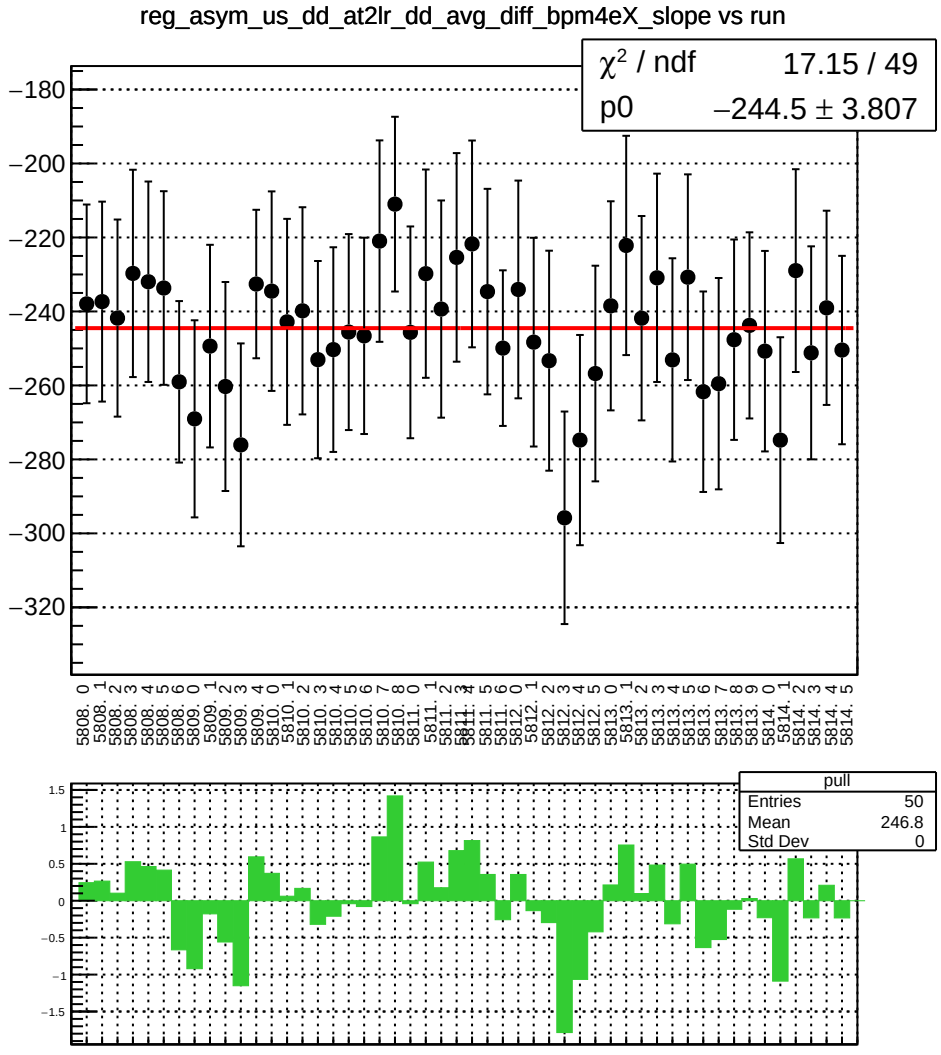

pull1D
Entries 50
Mean −0.02375
Std Dev 0.7447

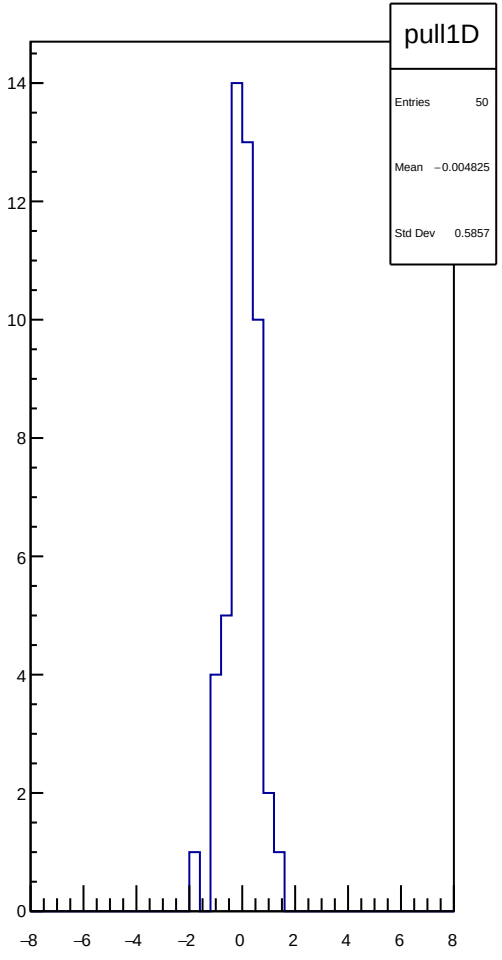

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.1 / 49
p0 76.99 ± 2.659
pull
Entries 50
Mean 411.2
Std Dev 0

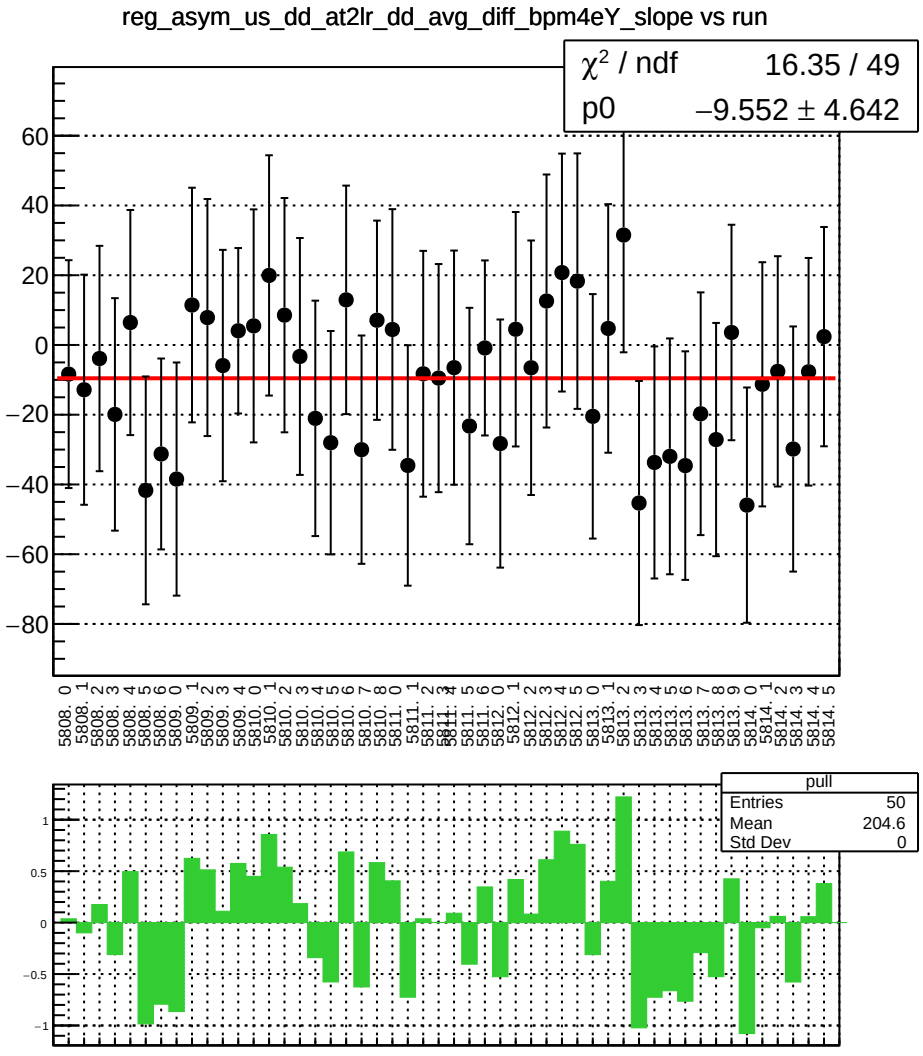

pull1D
Entries 50
Mean 0.004812
Std Dev 0.5849

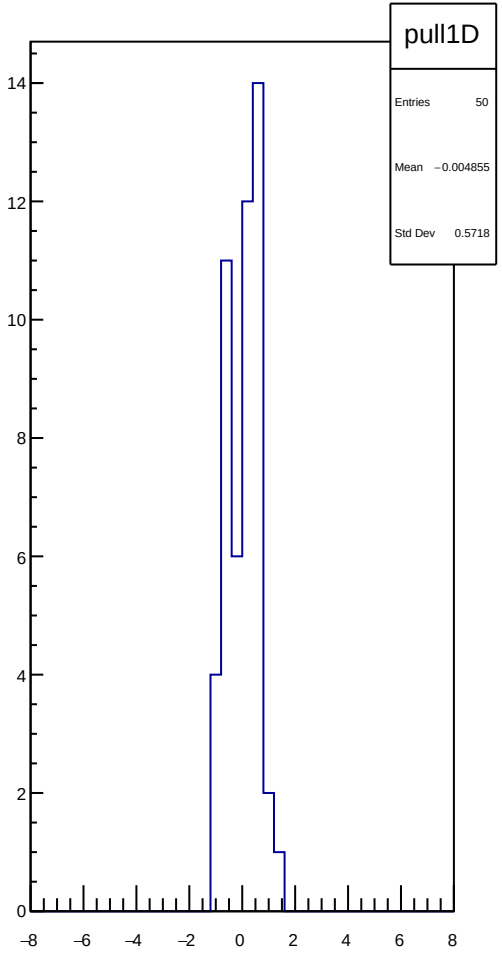

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.13 / 49
p0 −5.957 ± 4.238
pull
Entries 50
Mean 228.1
Std Dev 0

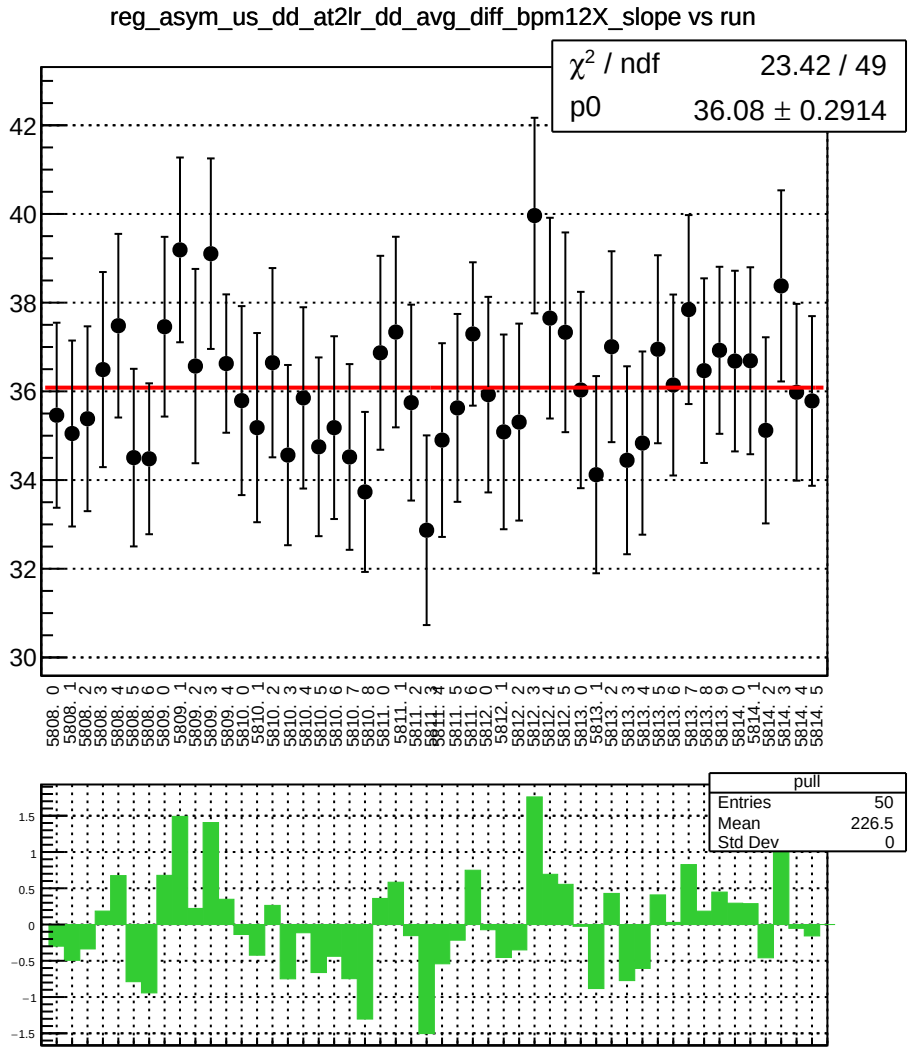

pull1D
Entries 50
Mean 0.005232
Std Dev 0.5501

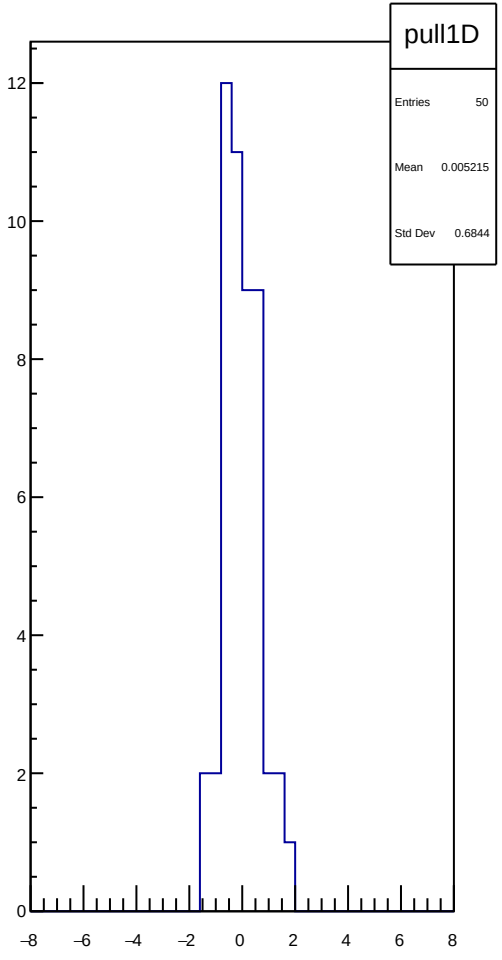

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.15 / 49
p0 −244.5 ± 3.807
pull
Entries 50
Mean 246.8
Std Dev 0

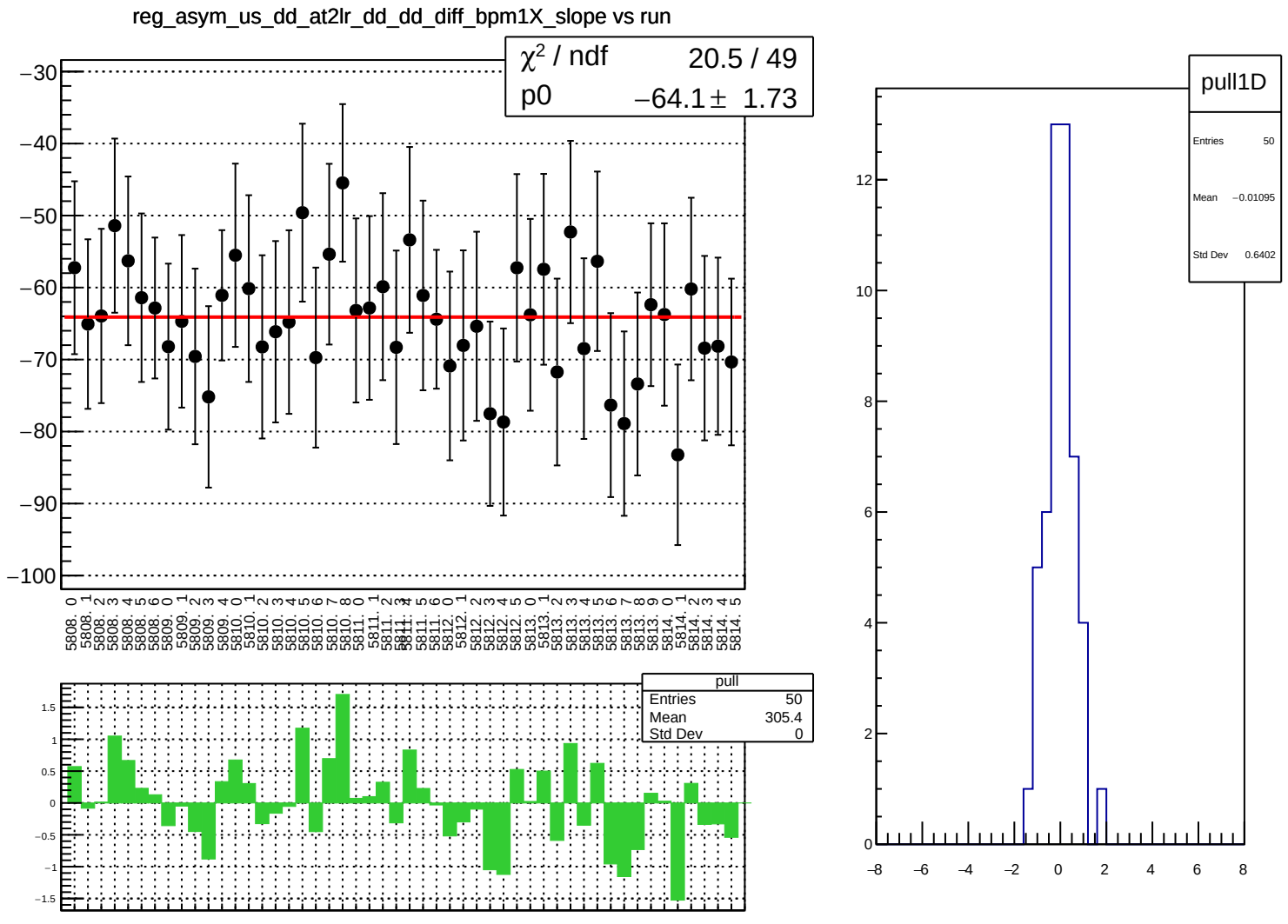

pull1D
Entries 50
Mean −0.004825
Std Dev 0.5857

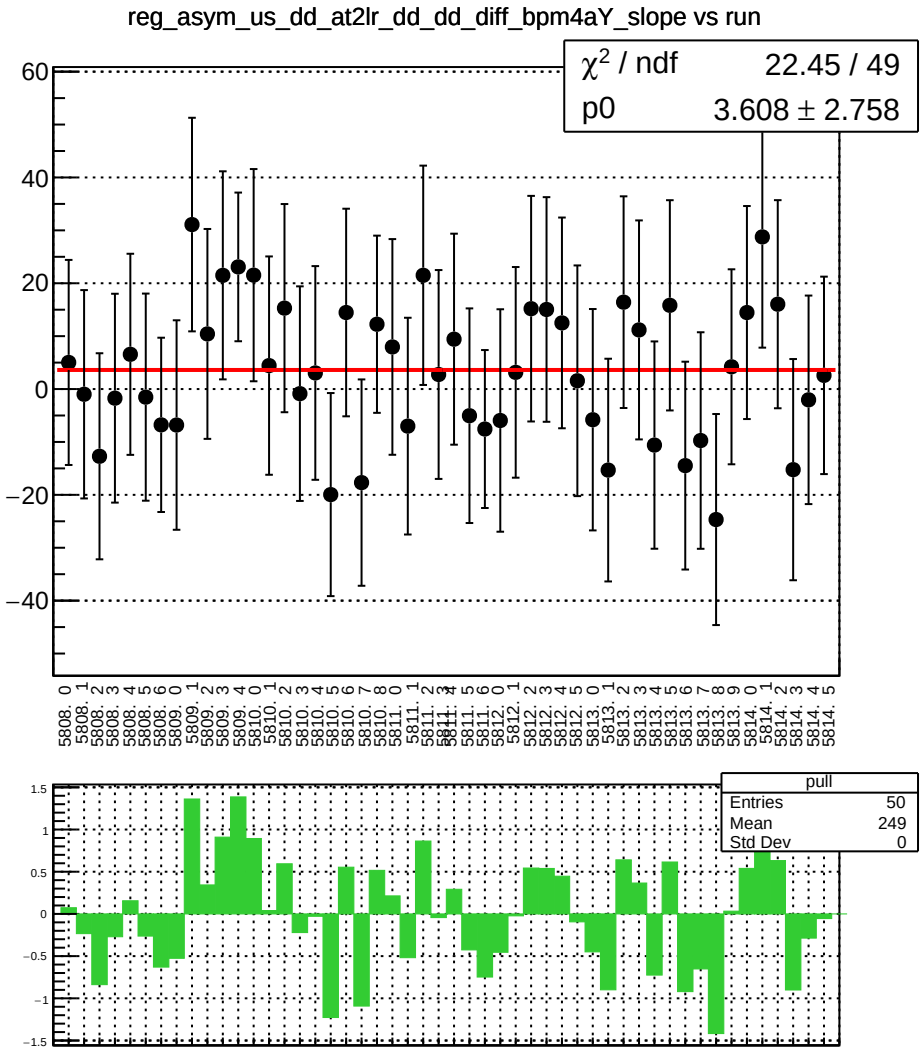

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 16.35 / 49
p0 −9.552 ± 4.642
pull
Entries 50
Mean 204.6
Std Dev 0

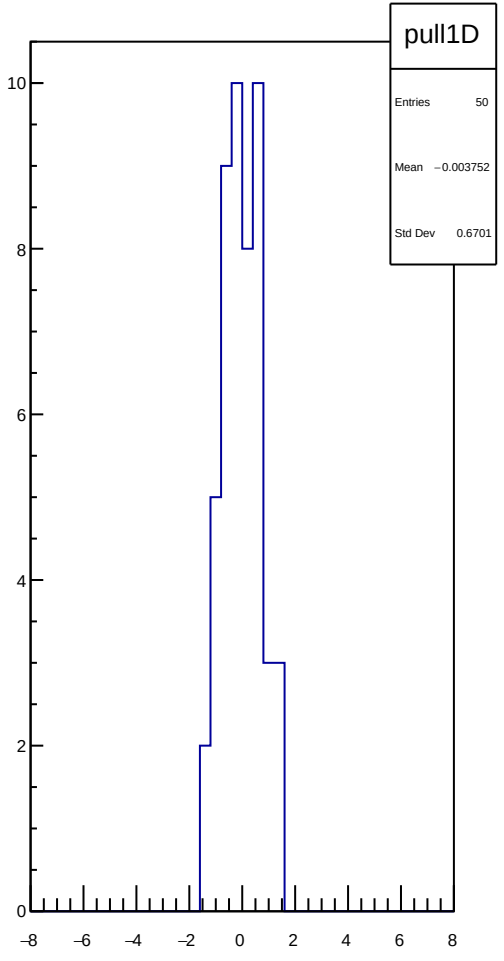

pull1D
Entries 50
Mean −0.004855
Std Dev 0.5718

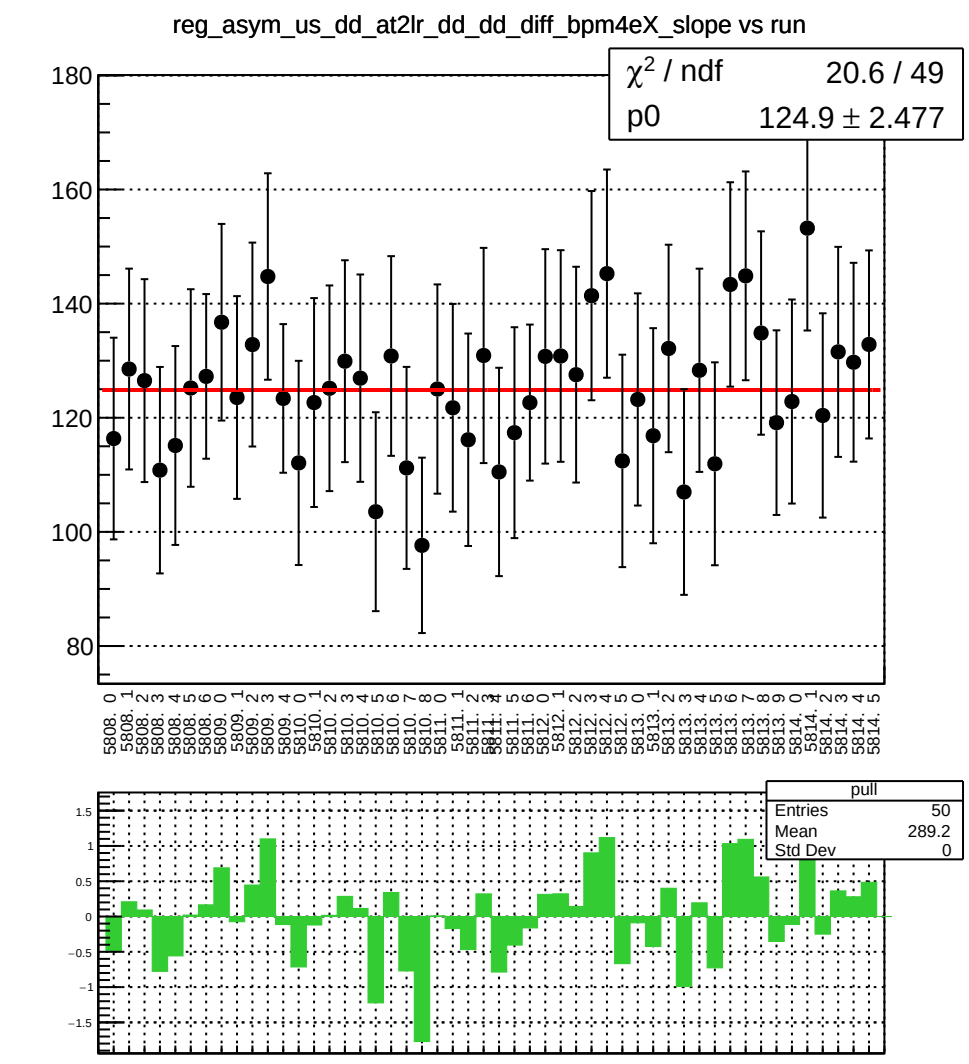

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 23.42 / 49
p0 36.08 ± 0.2914
pull
Entries 50
Mean 226.5
Std Dev 0

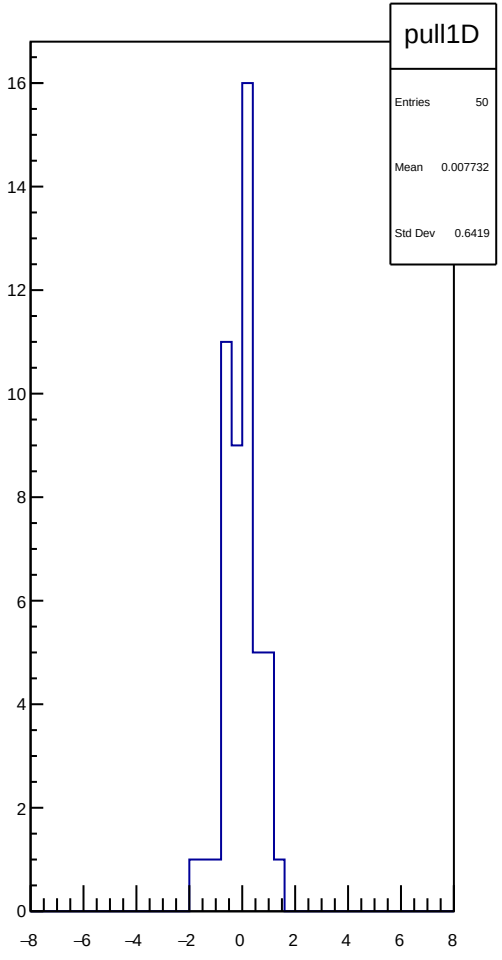

pull1D
Entries 50
Mean 0.005215
Std Dev 0.6844

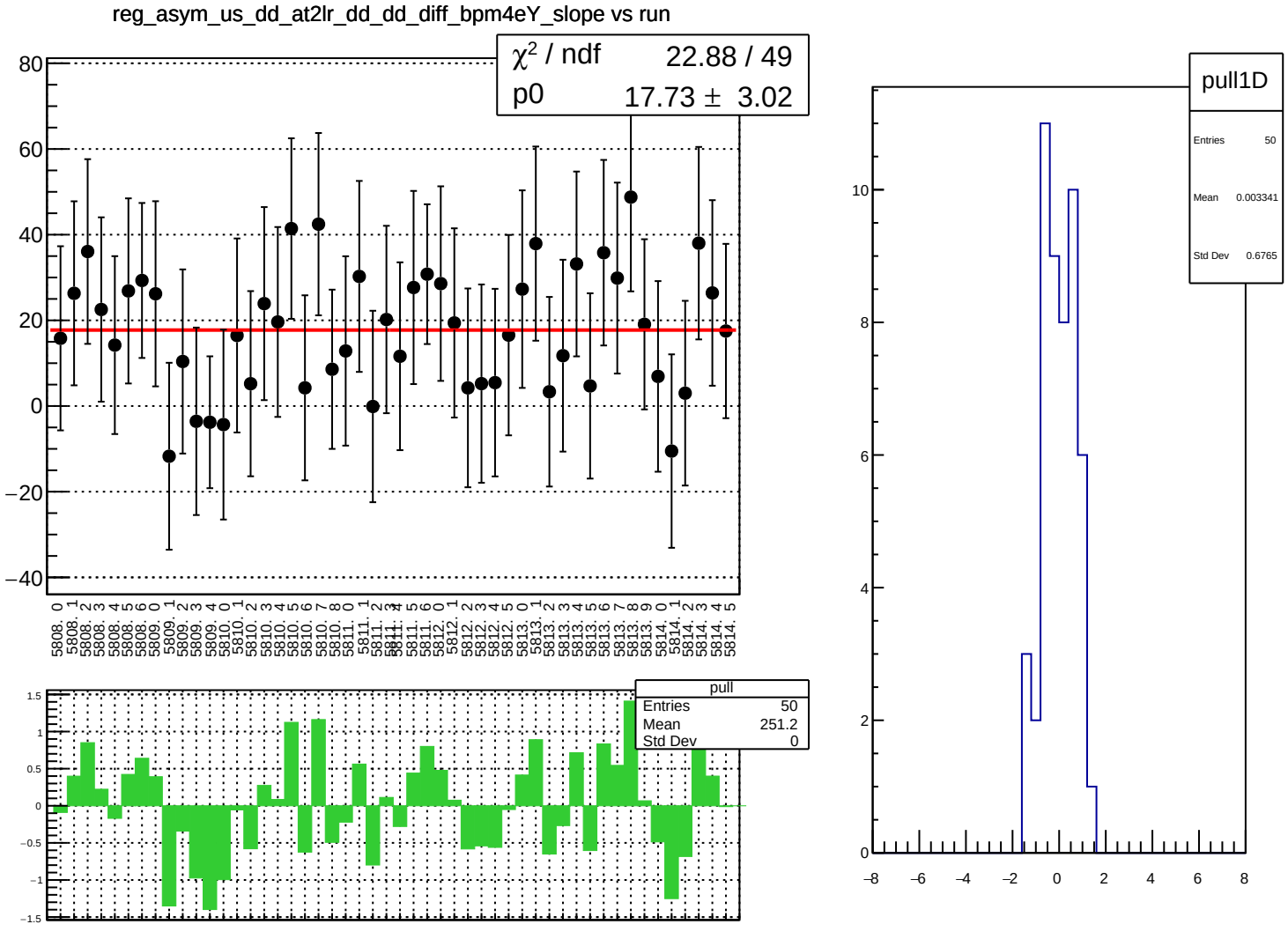

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 20.5 / 49
p0 −64.1 ± 1.73
pull
Entries 50
Mean 305.4
Std Dev 0
pull1D
Entries 50
Mean −0.01095
Std Dev 0.6402

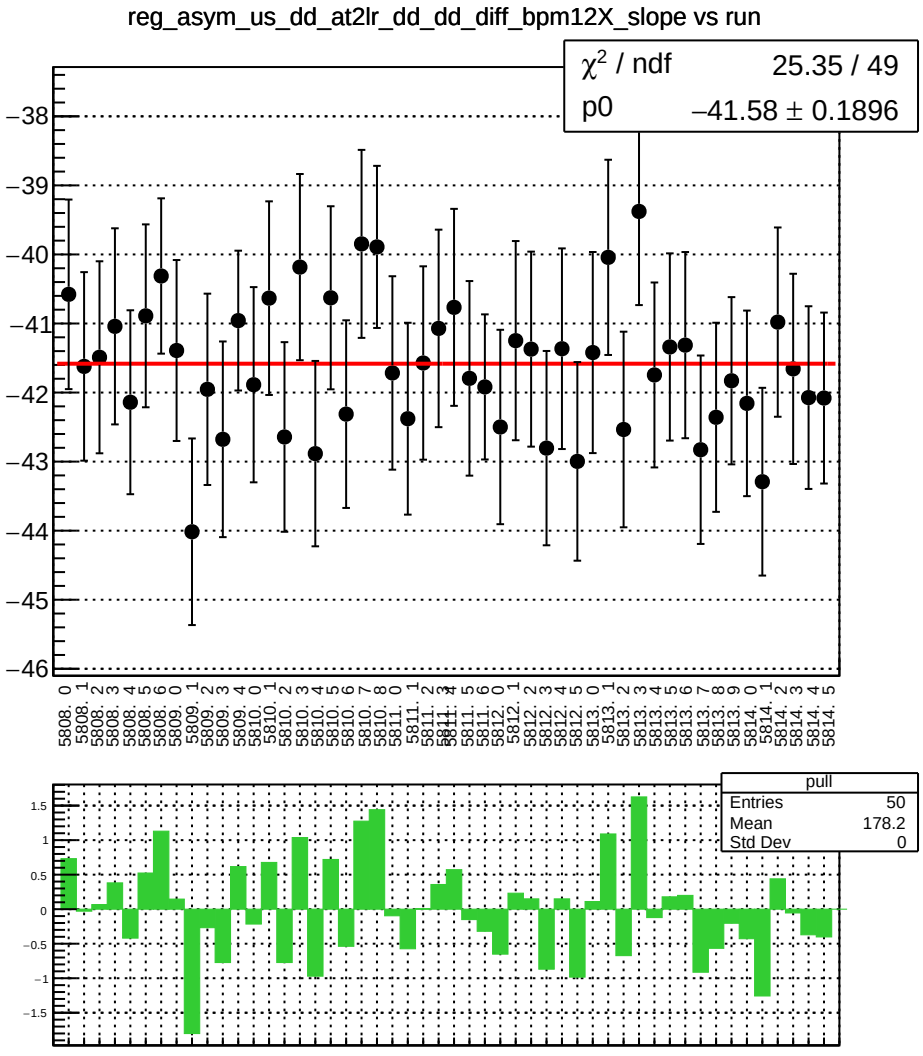

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.45 / 49
p0 3.608 ± 2.758
pull
Entries 50
Mean 249
Std Dev 0

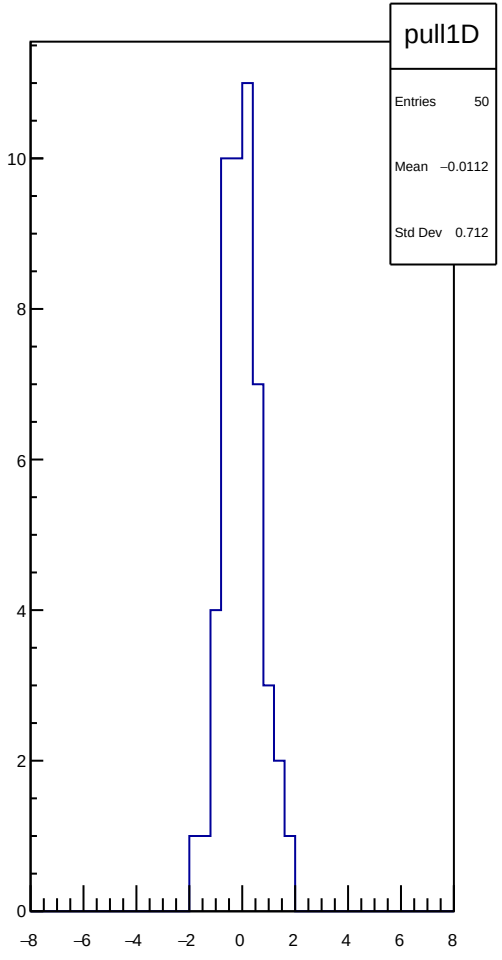

pull1D
Entries 50
Mean −0.003752
Std Dev 0.6701

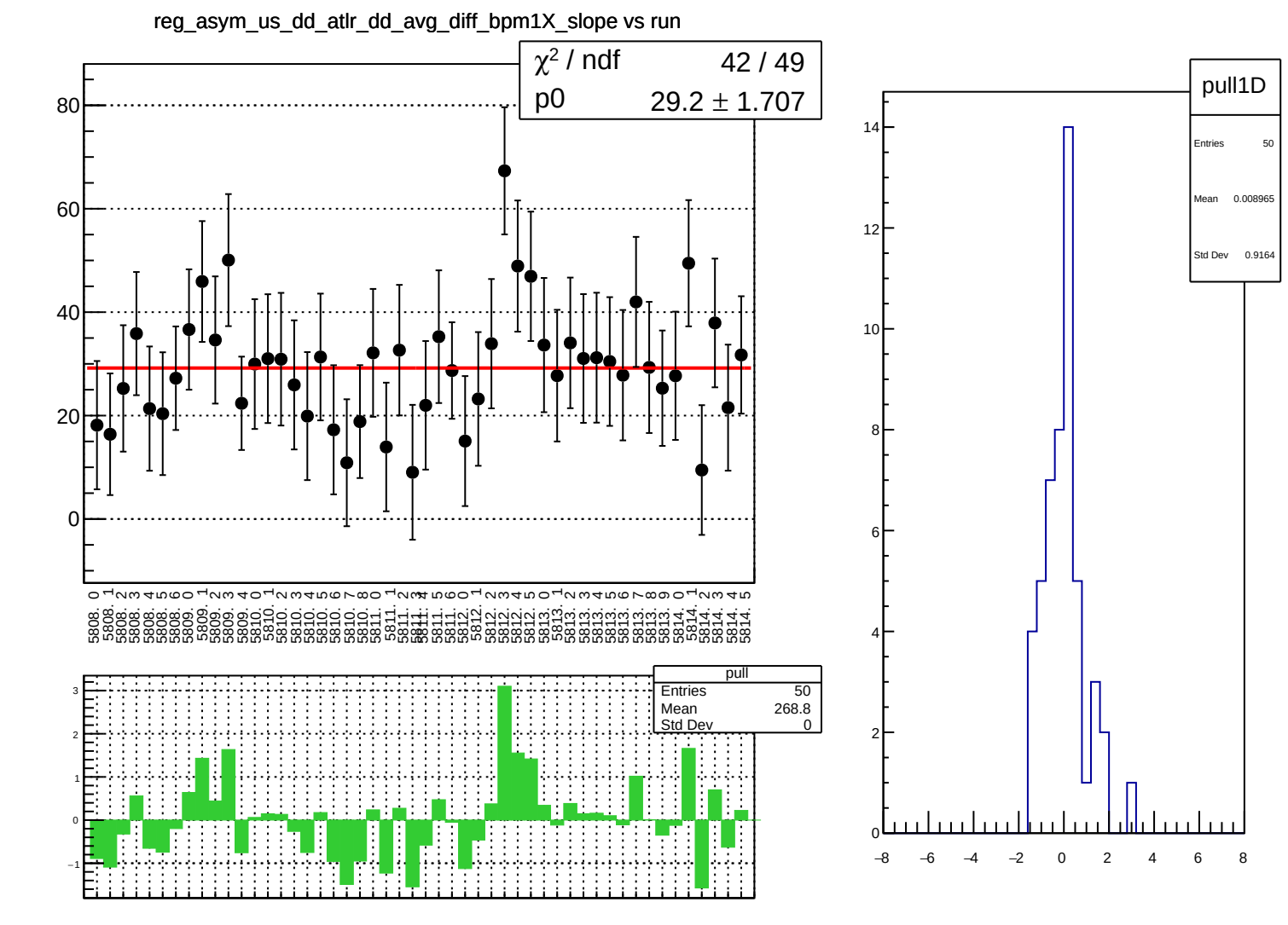

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ^2 / ndf 20.6 / 49
p0 124.9 ± 2.477
pull
Entries 50
Mean 289.2
Std Dev 0

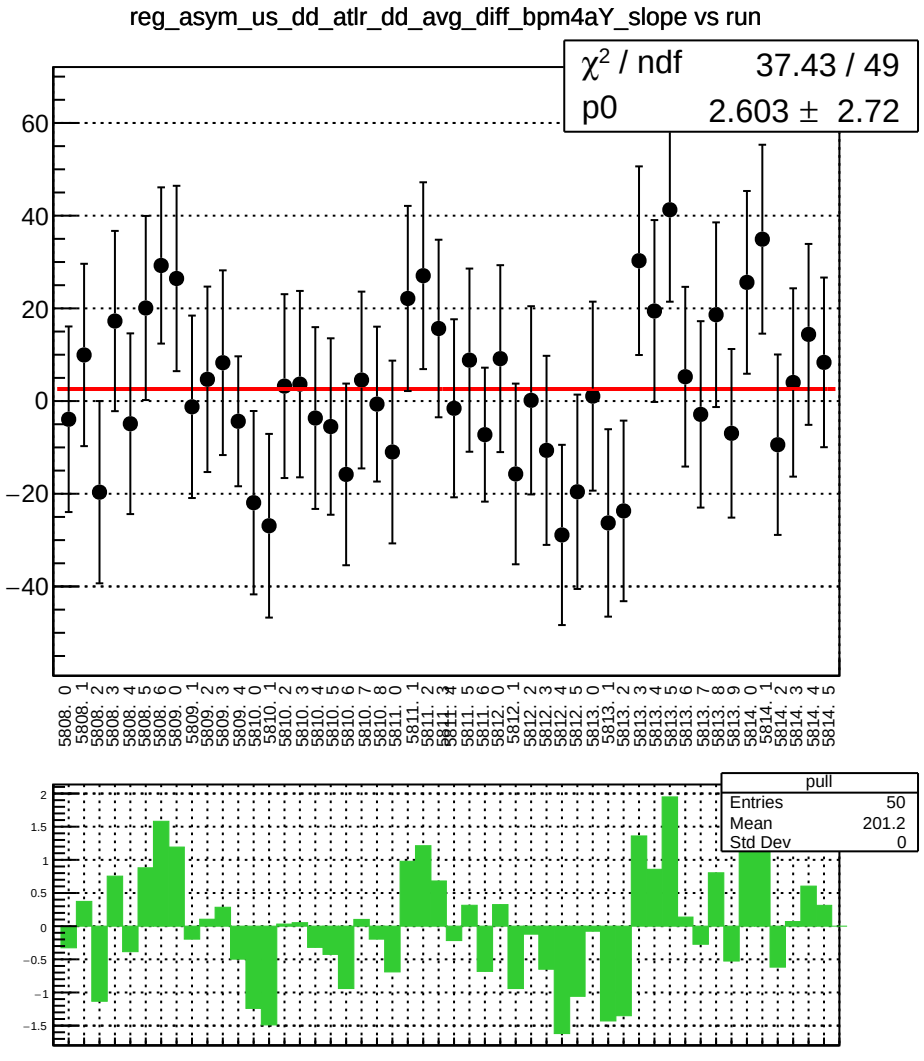

pull1D
Entries 50
Mean 0.007732
Std Dev 0.6419

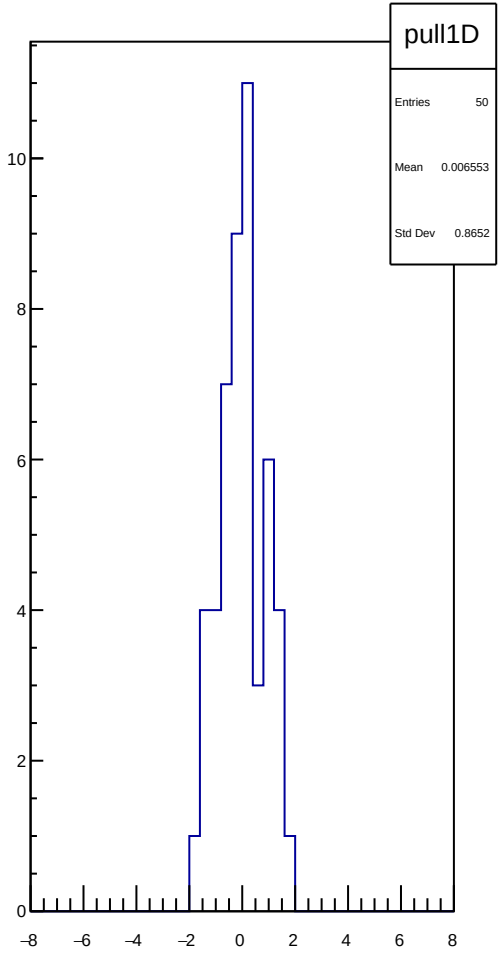

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.88 / 49
p0 17.73 ± 3.02
pull
Entries 50
Mean 251.2
Std Dev 0
pull1D
Entries 50
Mean 0.003341
Std Dev 0.6765

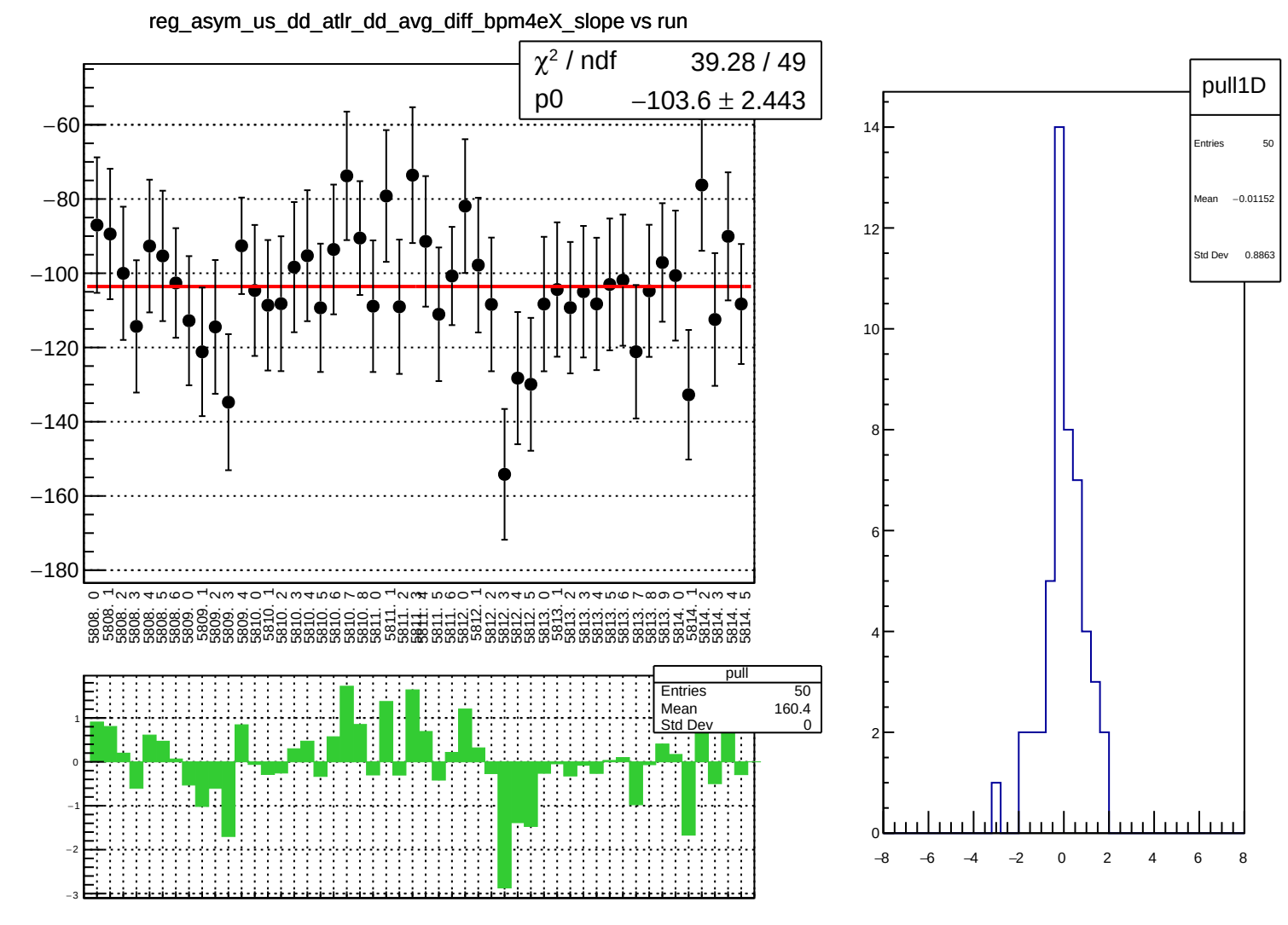

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 25.35 / 49
p0 −41.58 ± 0.1896
pull
Entries 50
Mean 178.2
Std Dev 0

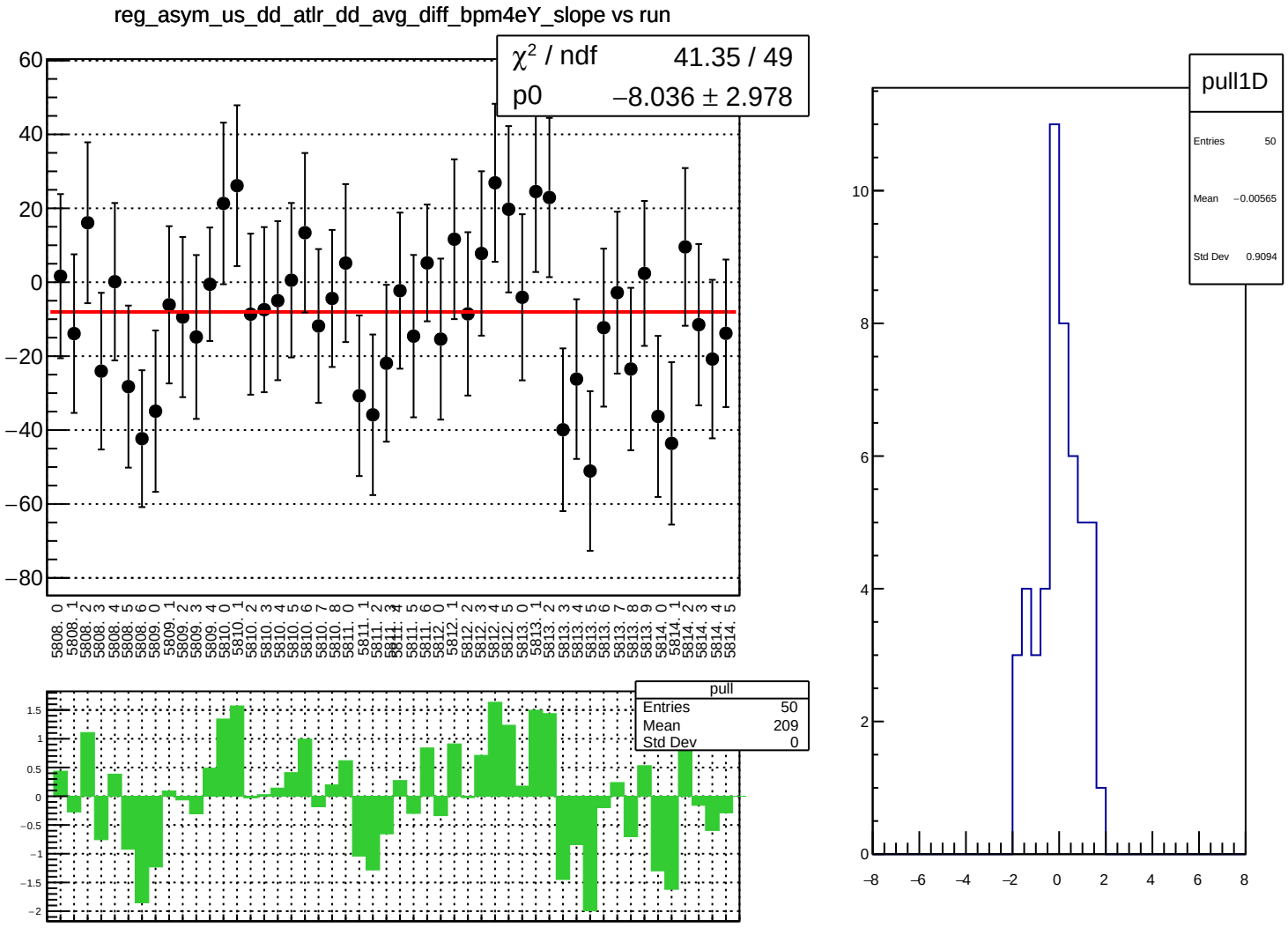

pull1D
Entries 50
Mean −0.0112
Std Dev 0.712

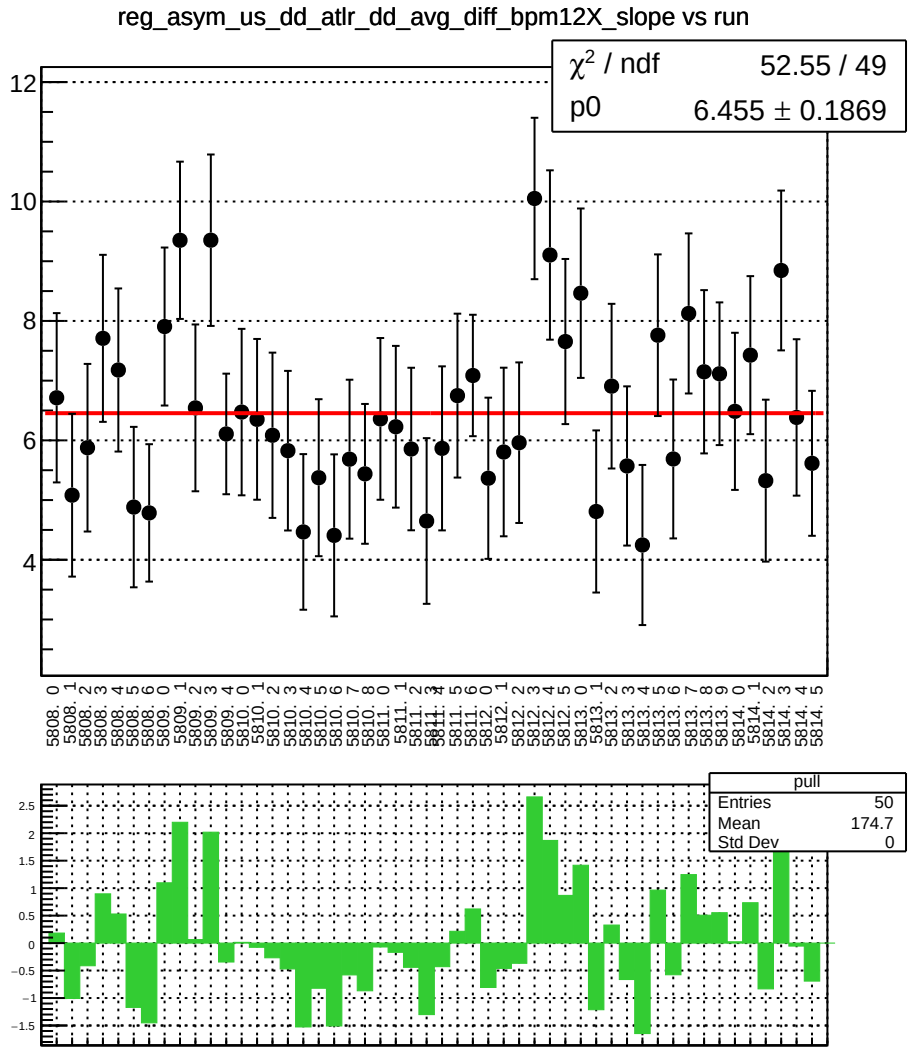

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 42 / 49
p0 29.2 ± 1.707
pull
Entries 50
Mean 268.8
Std Dev 0
pull1D
Entries 50
Mean 0.008965
Std Dev 0.9164

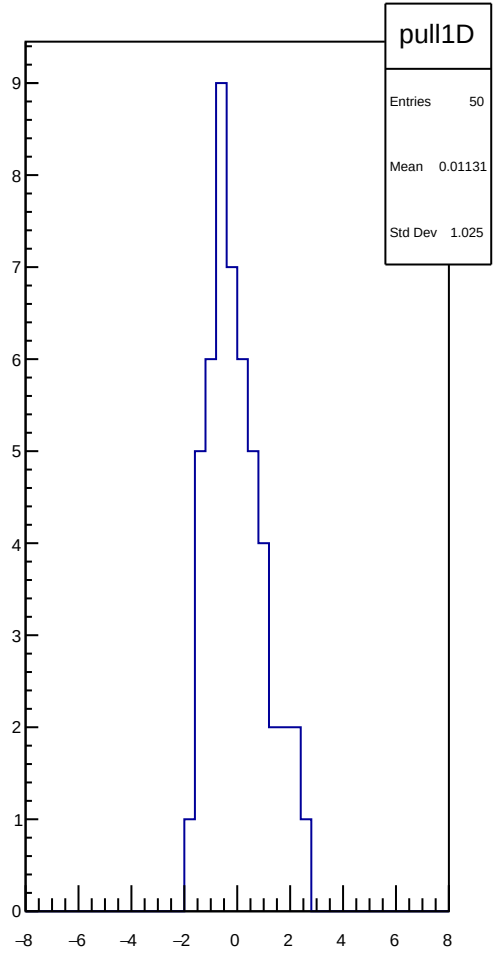

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 37.43 / 49
p0 2.603 ± 2.72
pull
Entries 50
Mean 201.2
Std Dev 0

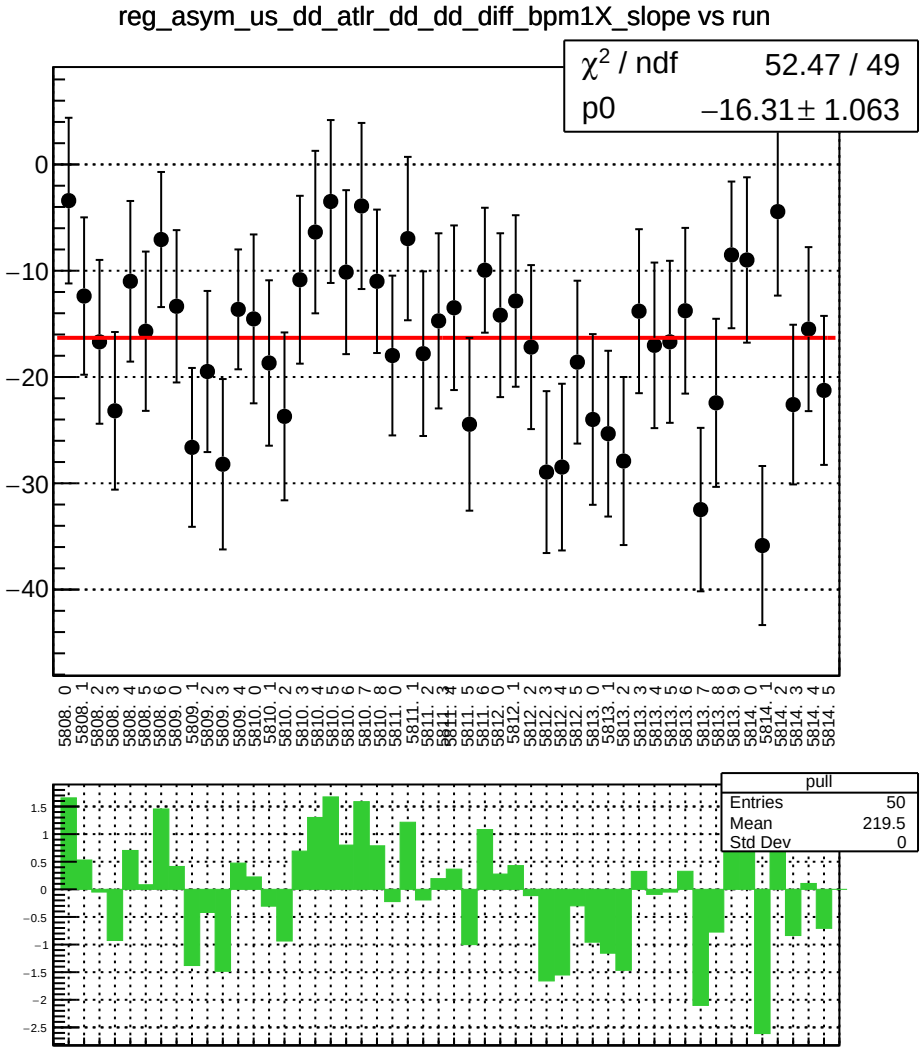

pull1D
Entries 50
Mean 0.006553
Std Dev 0.8652

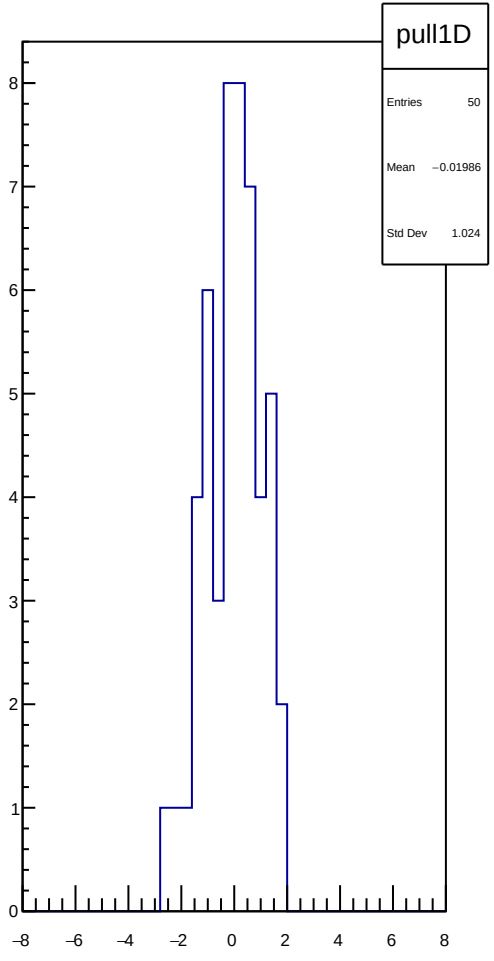

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 39.28 / 49
p0 −103.6 ± 2.443
pull
Entries 50
Mean 160.4
Std Dev 0
pull1D
Entries 50
Mean −0.01152
Std Dev 0.8863

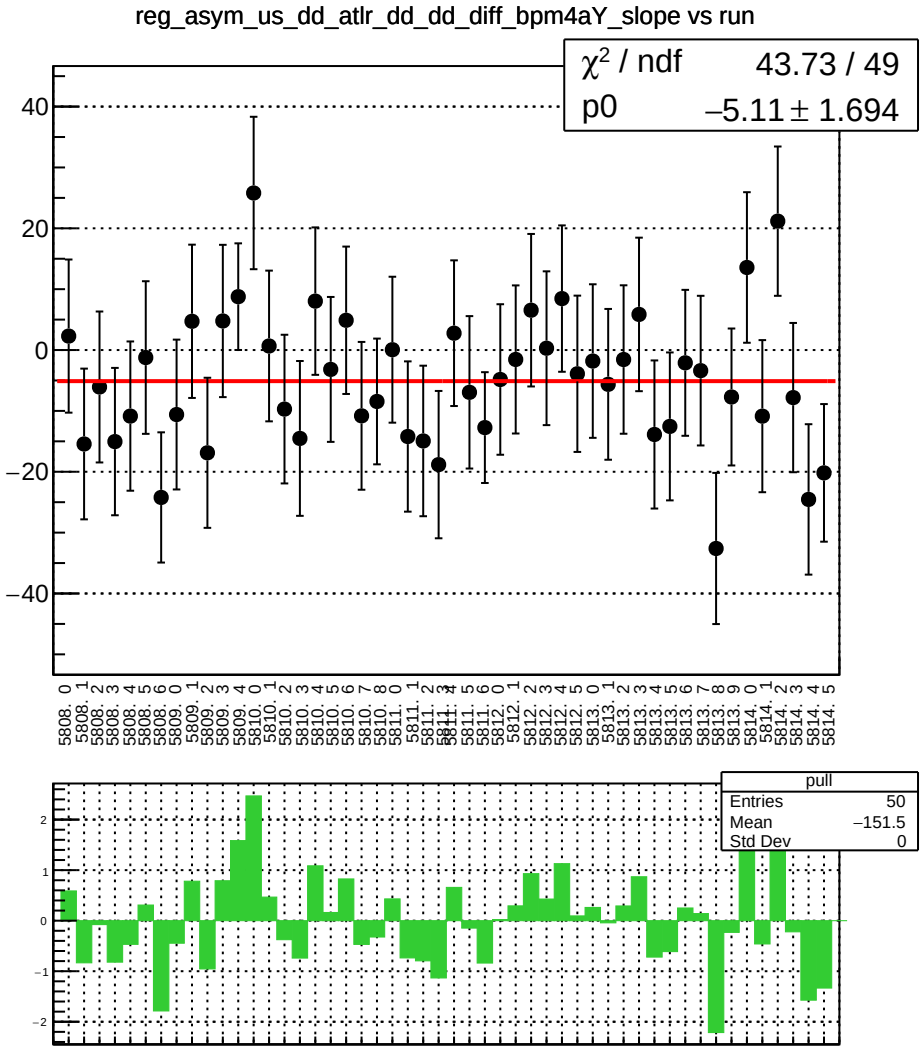

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.35 / 49
p0 −8.036 ± 2.978
pull
Entries 50
Mean 209
Std Dev 0
pull1D
Entries 50
Mean −0.00565
Std Dev 0.9094

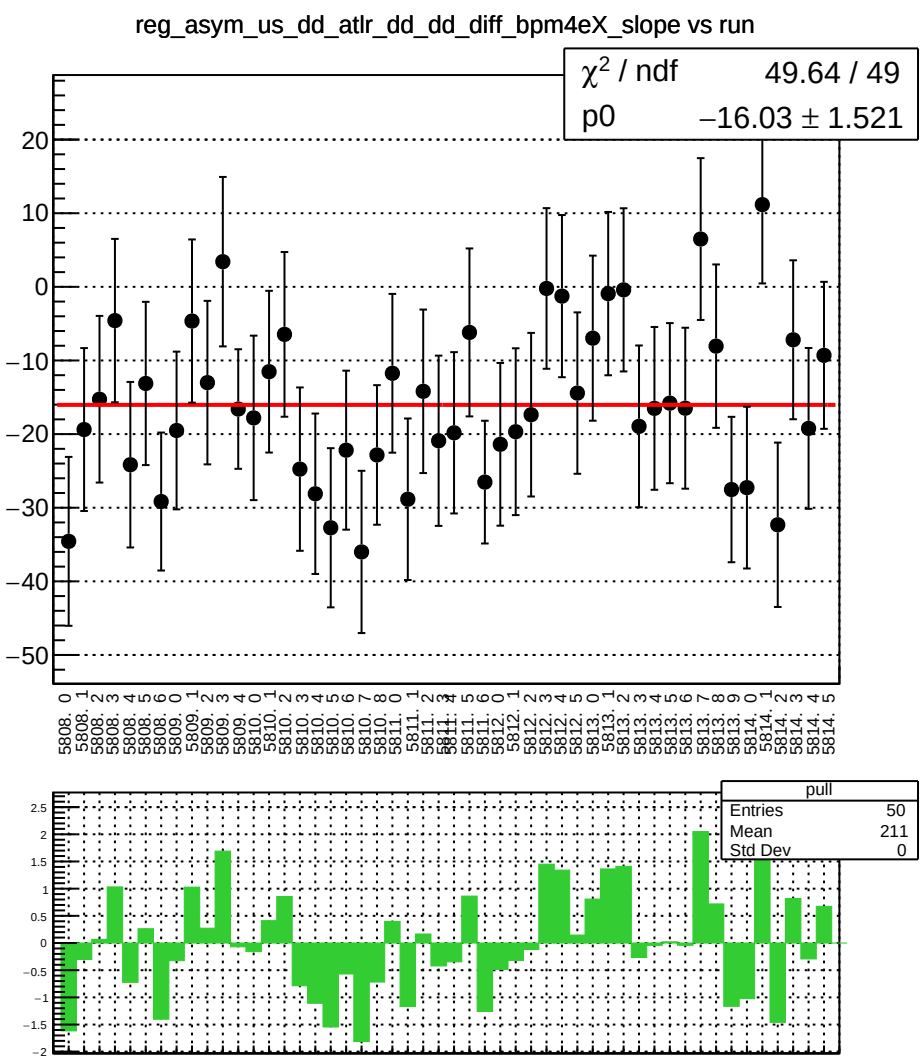

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 52.55 / 49
p0 6.455 ± 0.1869
pull
Entries 50
Mean 174.7
Std Dev 0

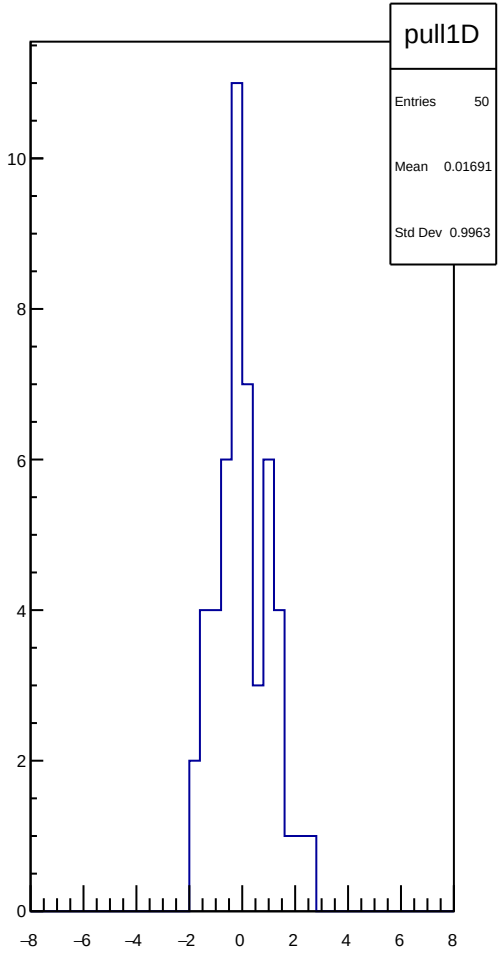

pull1D
Entries 50
Mean 0.01131
Std Dev 1.025

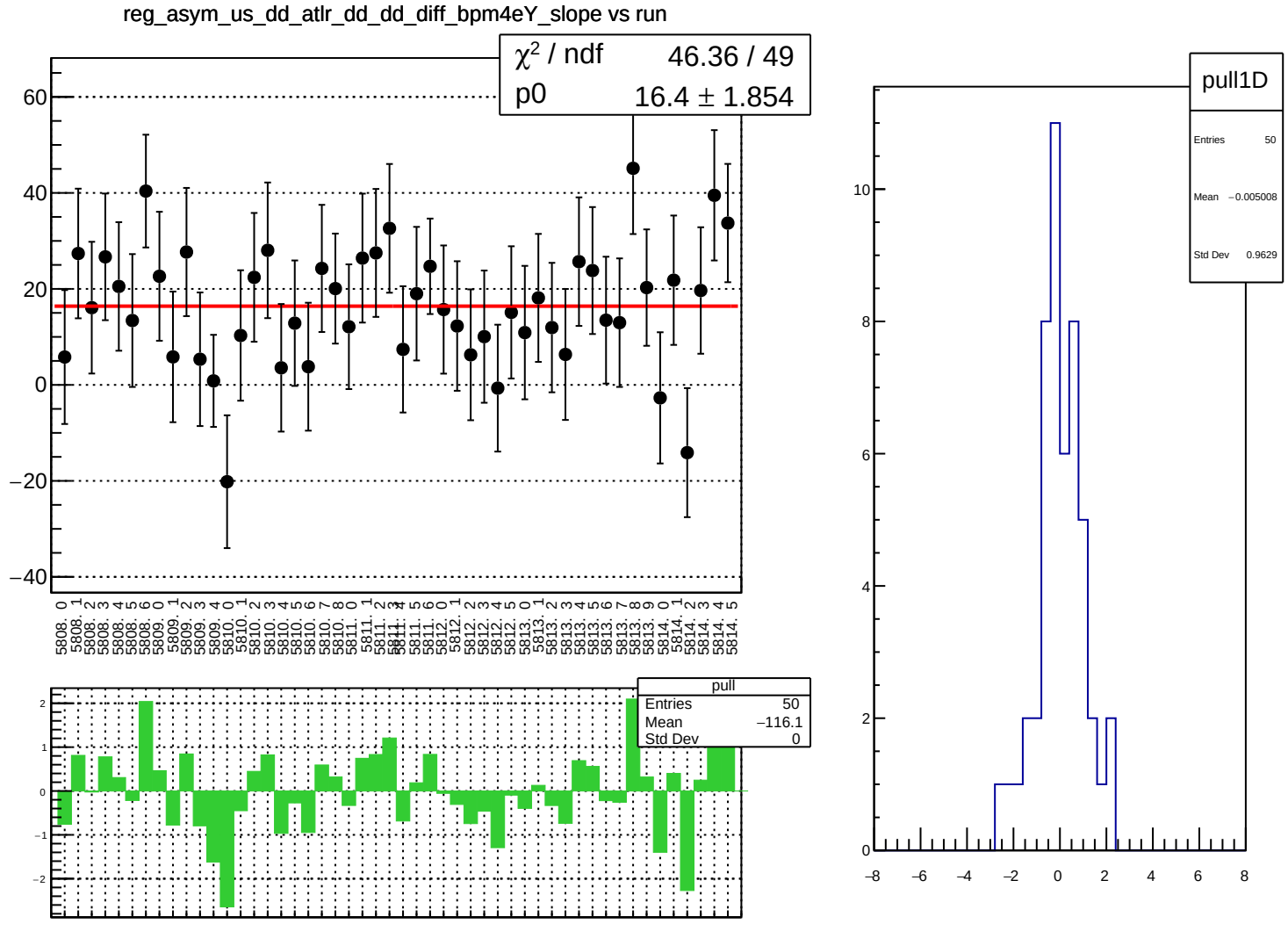

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 52.47 / 49
p0 −16.31 ± 1.063
pull
Entries 50
Mean 219.5
Std Dev 0

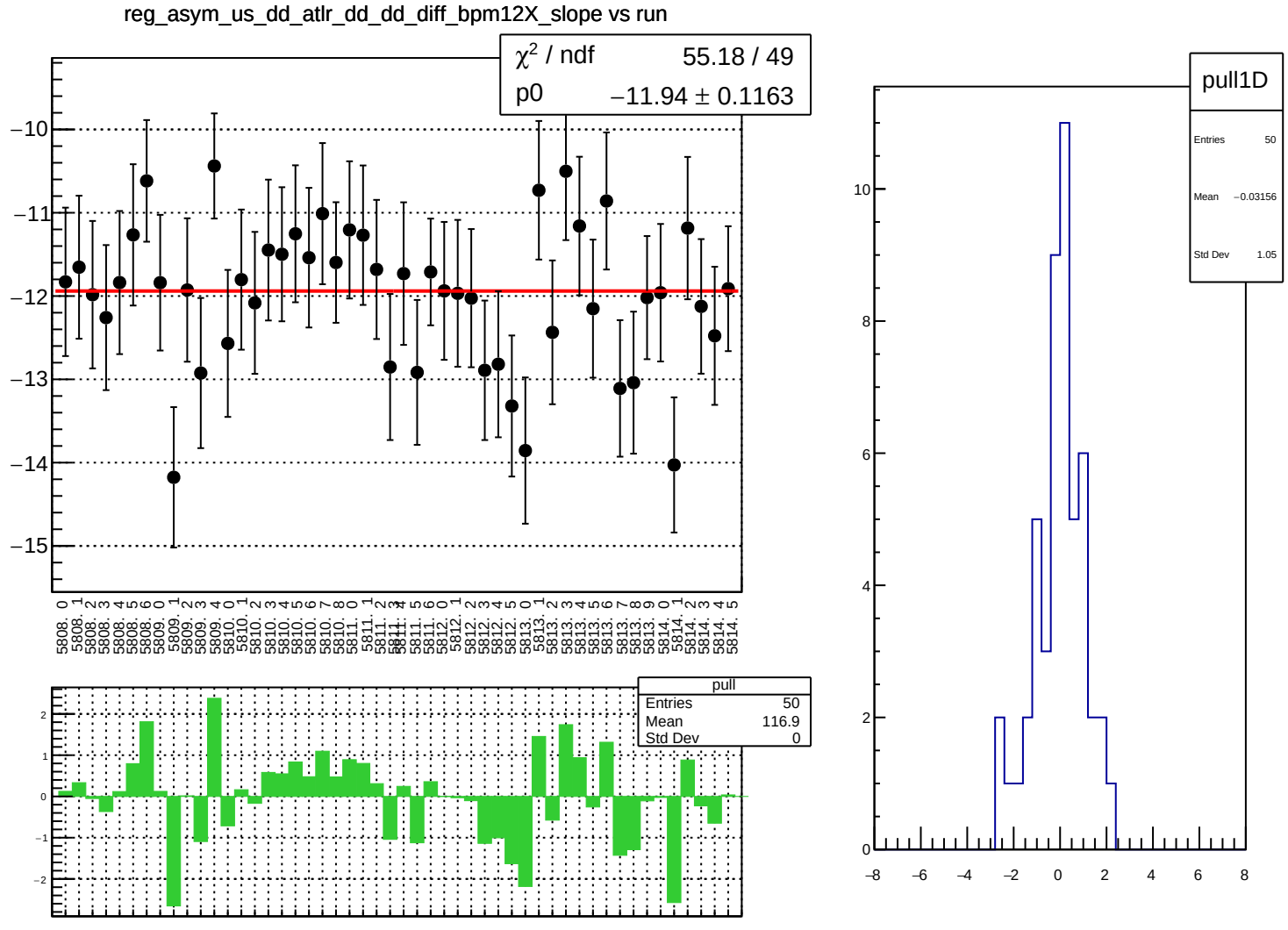

pull1D
Entries 50
Mean −0.01986
Std Dev 1.024

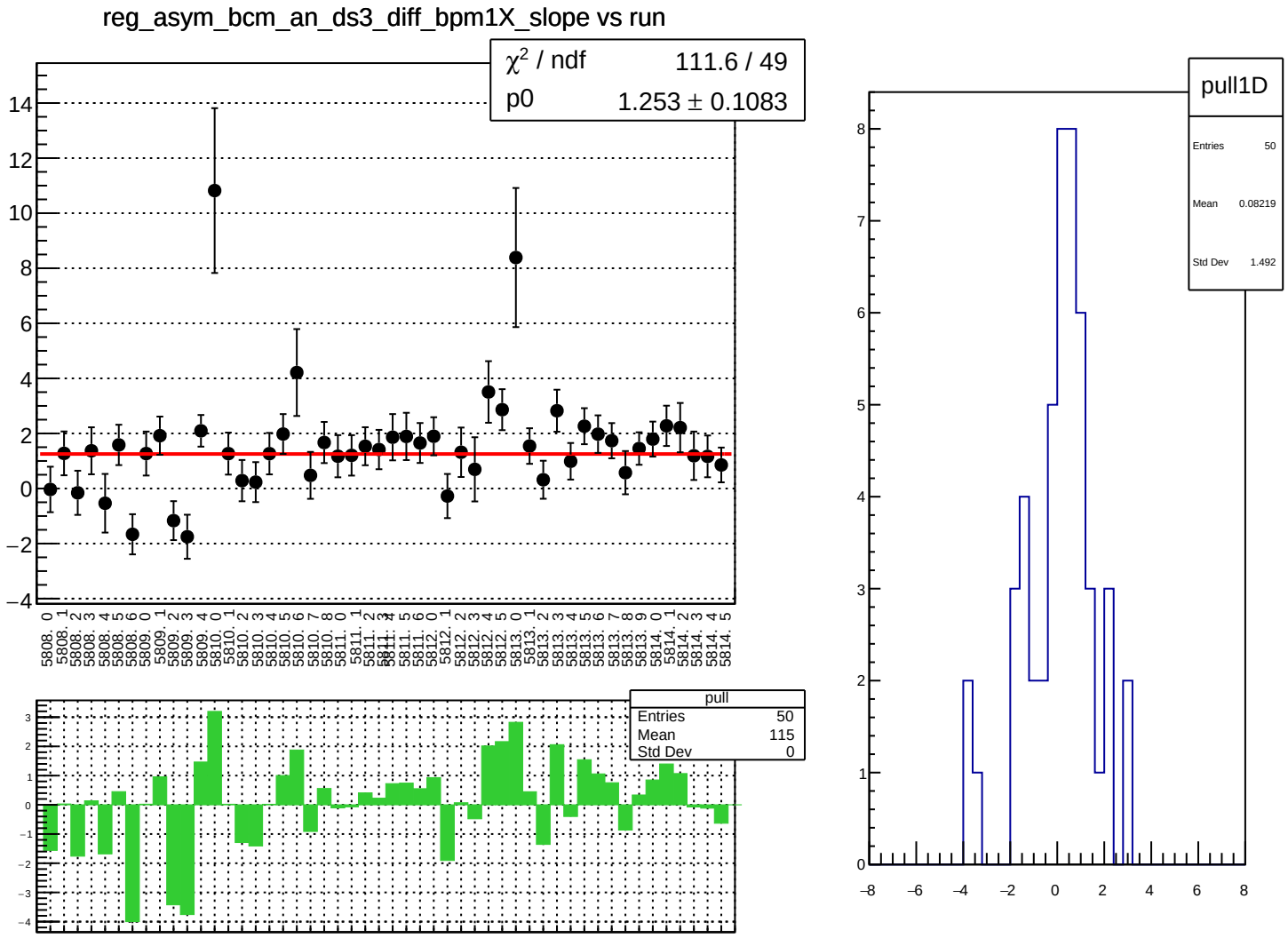

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 43.73 / 49
p0 −5.11 ± 1.694
40
20
0
−20
−40
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean −151.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 50
Mean 0.003171
Std Dev 0.9352
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

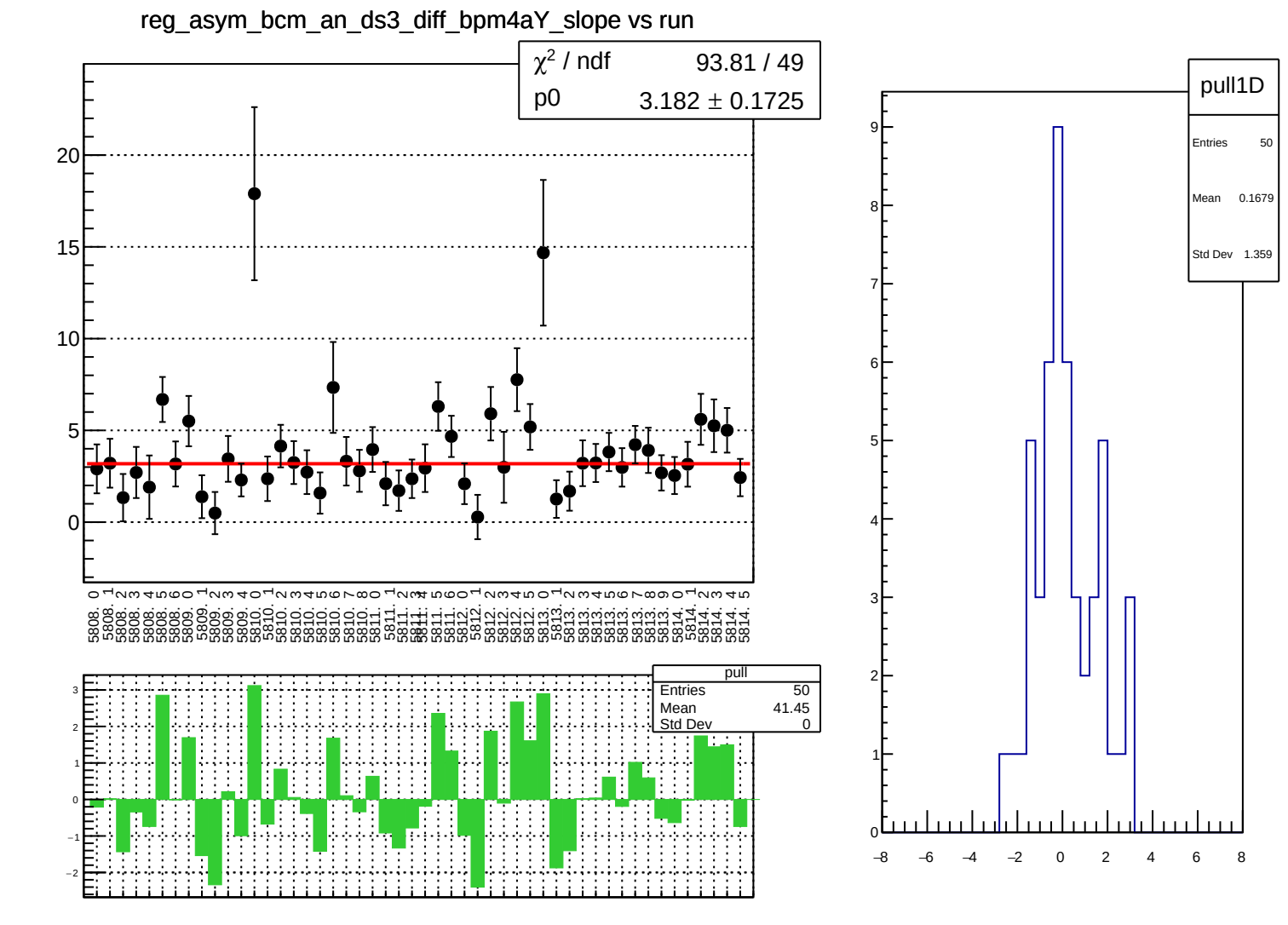

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 49.64 / 49
p0 −16.03 ± 1.521
pull
Entries 50
Mean 211
Std Dev 0

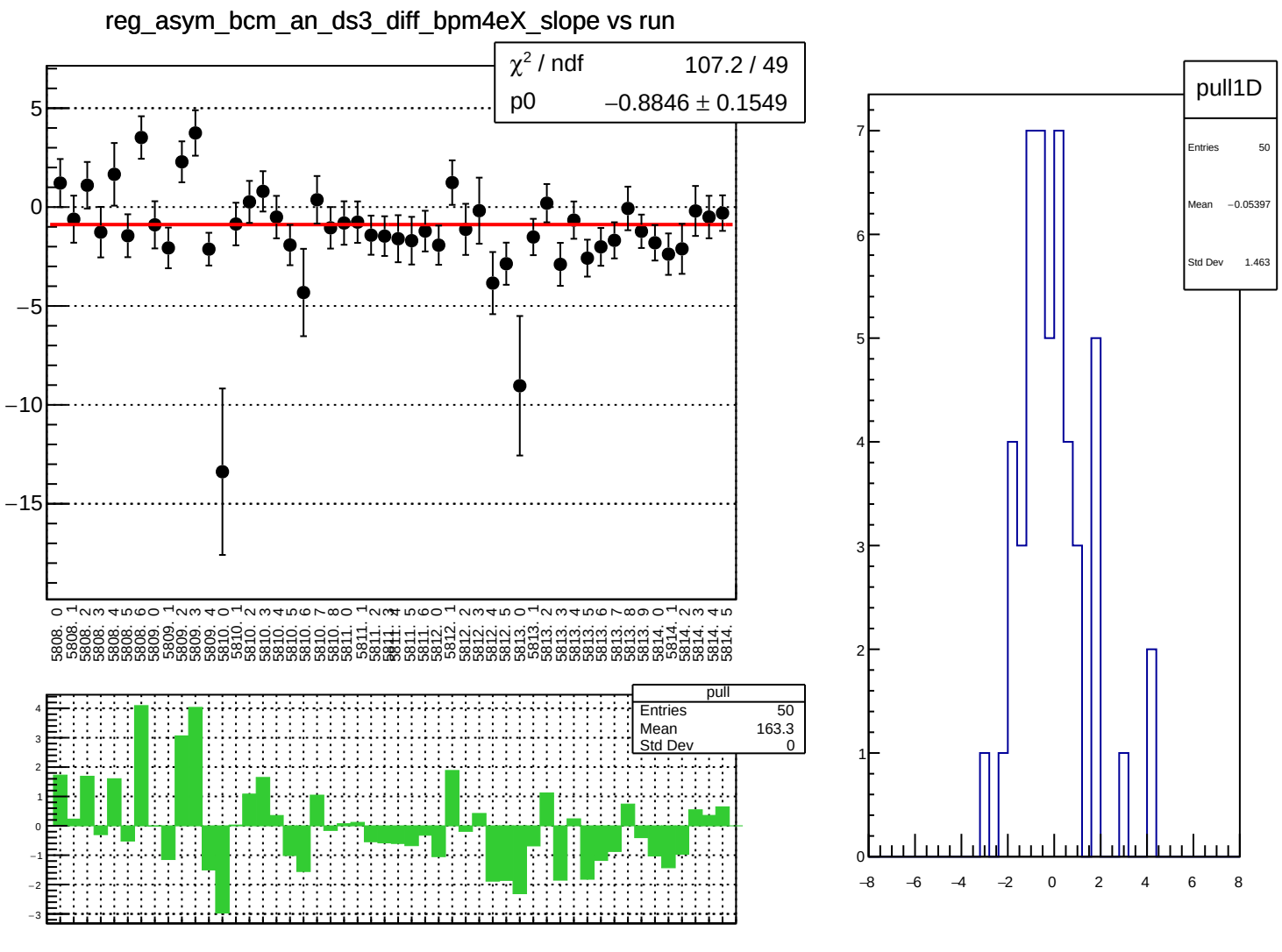

pull1D
Entries 50
Mean 0.01691
Std Dev 0.9963

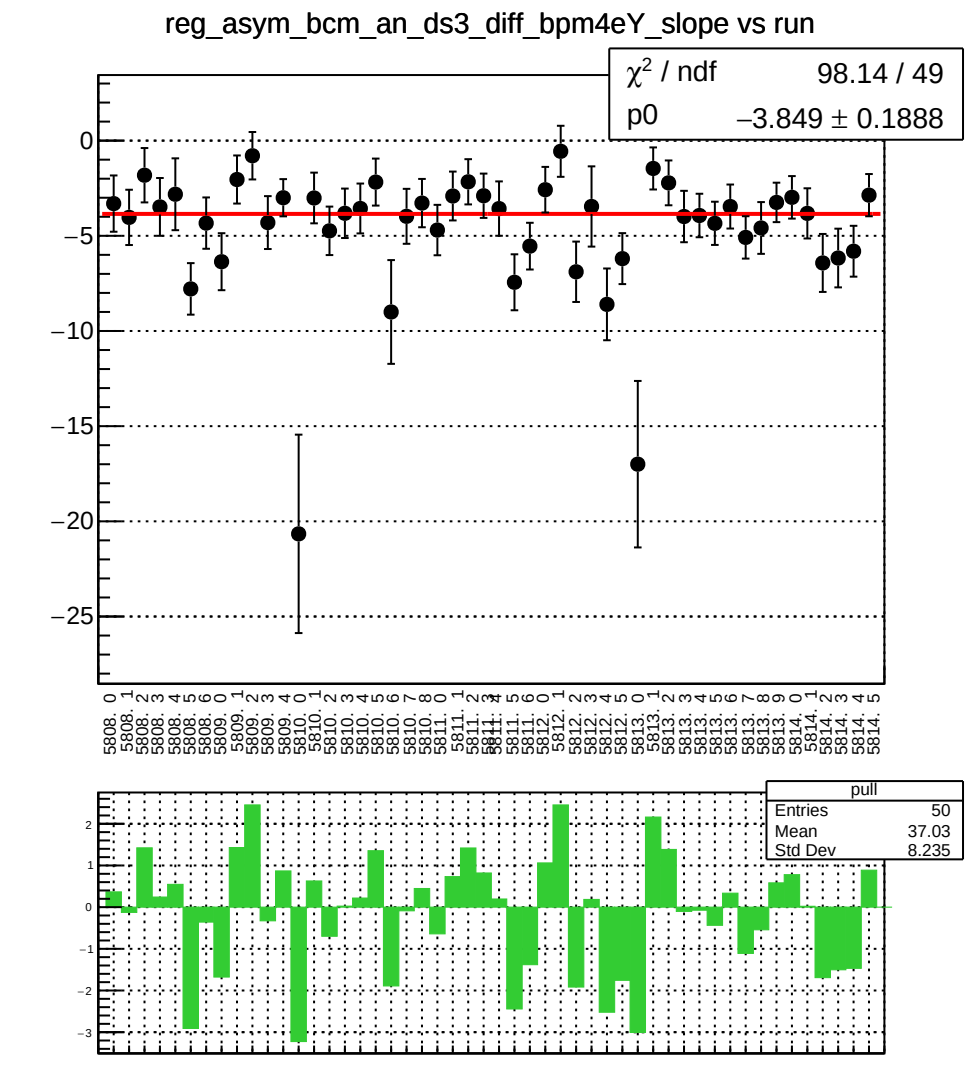

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.36 / 49
p0 16.4 ± 1.854
pull
Entries 50
Mean −116.1
Std Dev 0
pull1D
Entries 50
Mean −0.005008
Std Dev 0.9629

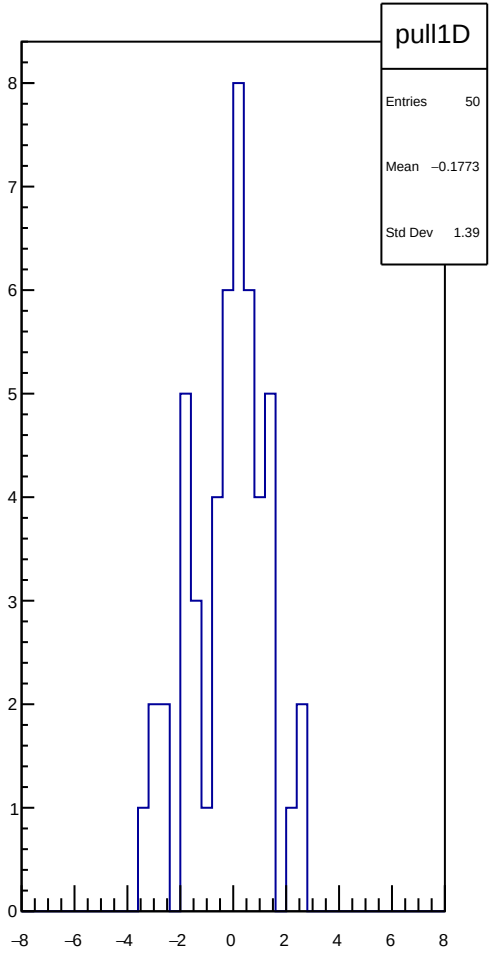

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 55.18 / 49
p0 −11.94 ± 0.1163
pull
Entries 50
Mean 116.9
Std Dev 0
pull1D
Entries 50
Mean −0.03156
Std Dev 1.05

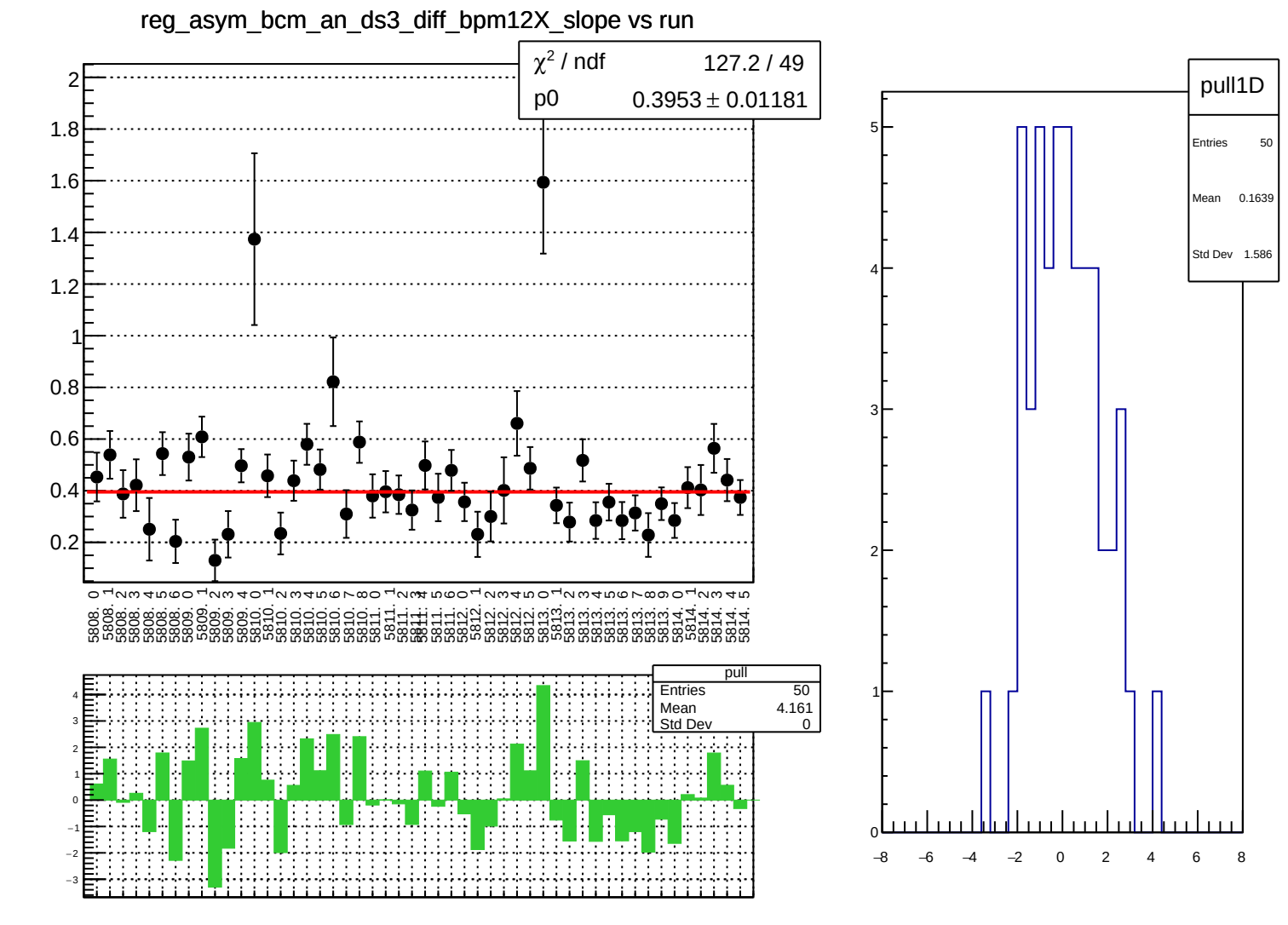

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 111.6 / 49
p0 1.253 ± 0.1083
pull
Entries 50
Mean 115
Std Dev 0
pull1D
Entries 50
Mean 0.08219
Std Dev 1.492

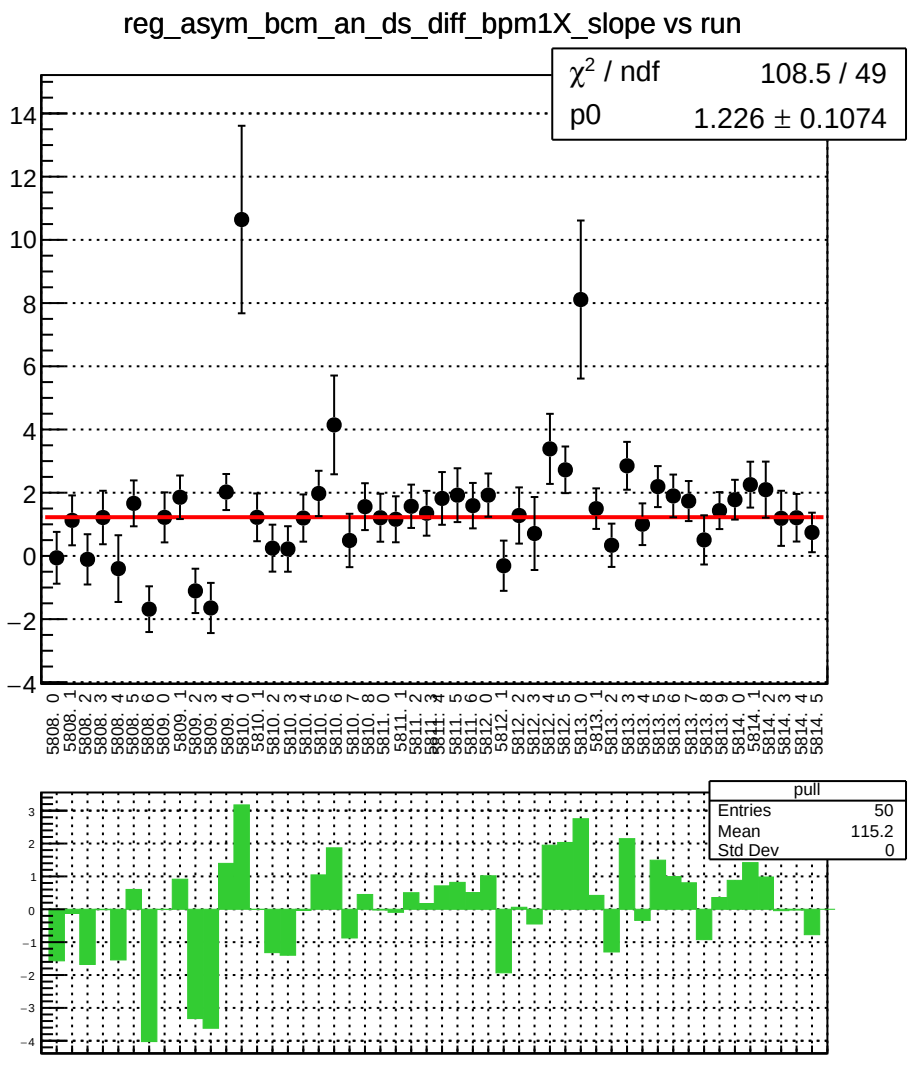

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 93.81 / 49
p0 3.182 ± 0.1725
pull
Entries 50
Mean 41.45
Std Dev 0
pull1D
Entries 50
Mean 0.1679
Std Dev 1.359

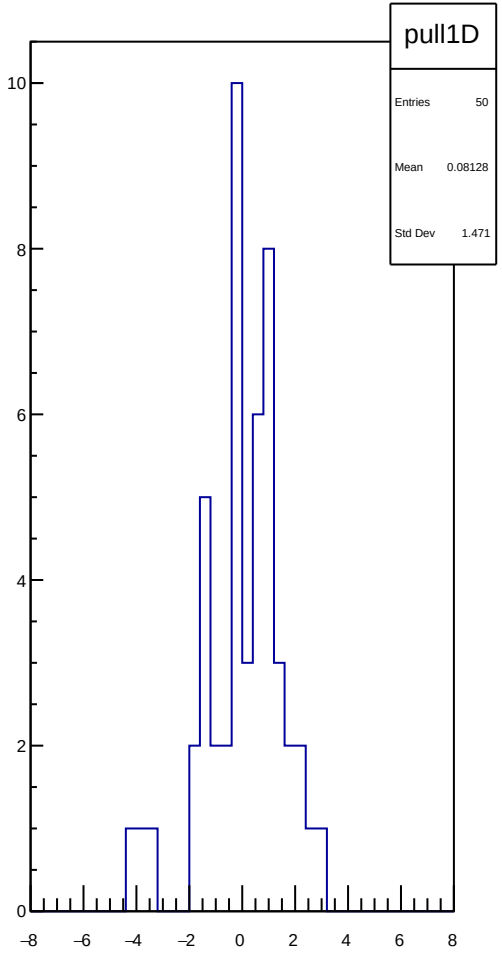

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 107.2 / 49
p0 −0.8846 ± 0.1549
pull
Entries 50
Mean 163.3
Std Dev 0
pull1D
Entries 50
Mean −0.05397
Std Dev 1.463

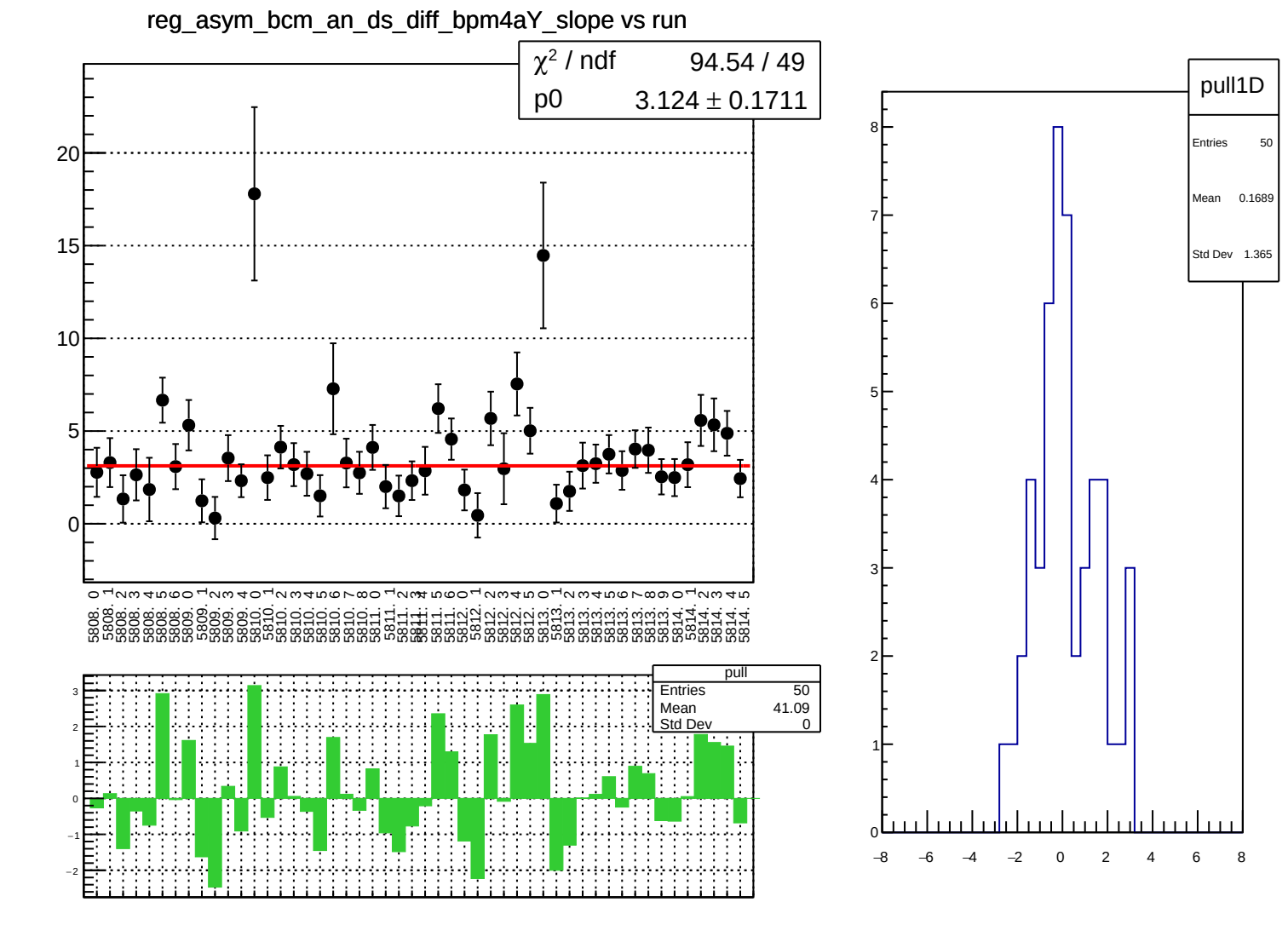

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 98.14 / 49
p0 −3.849 ± 0.1888
pull
Entries 50
Mean 37.03
Std Dev 8.235

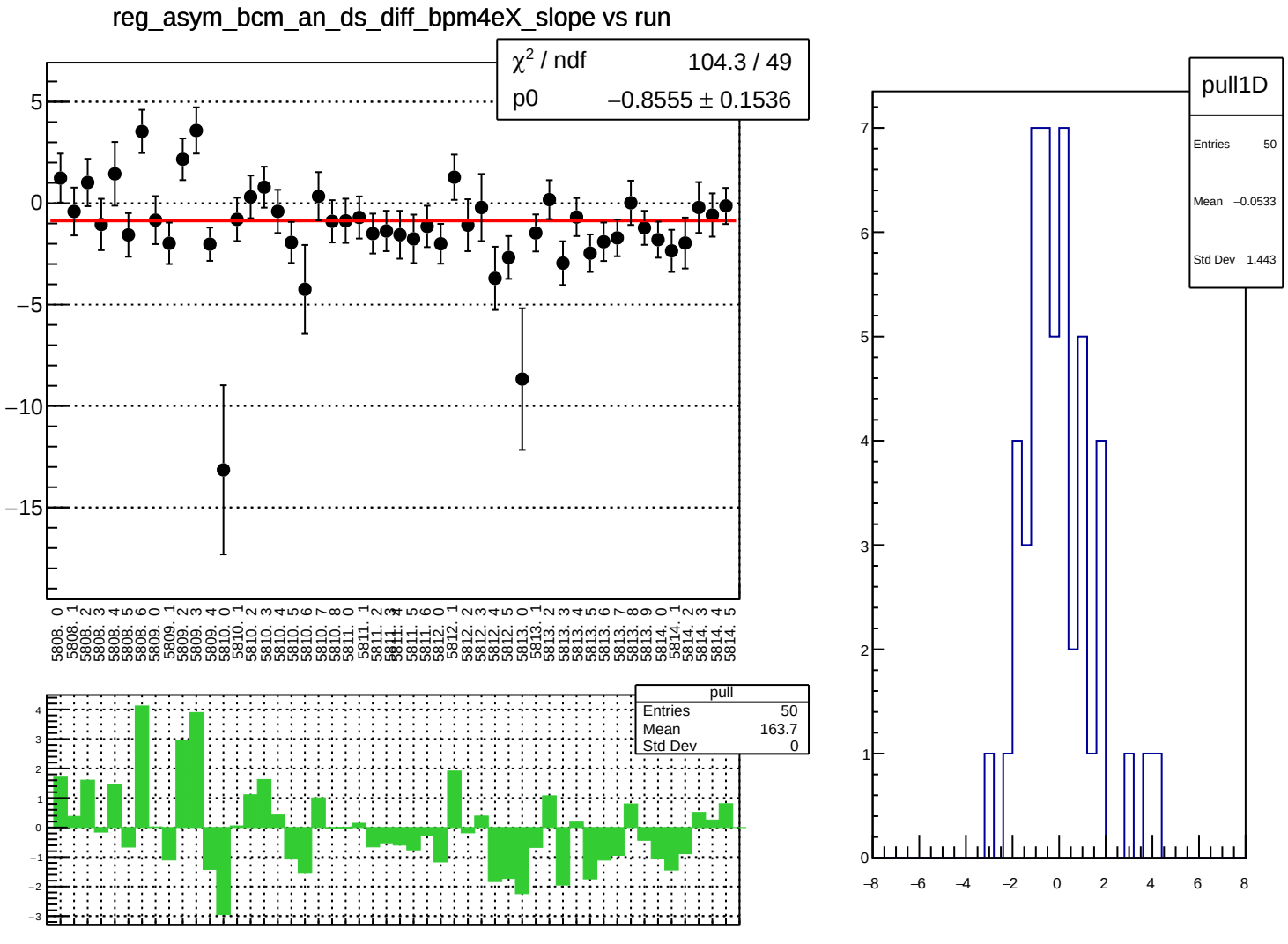

pull1D
Entries 50
Mean −0.1773
Std Dev 1.39

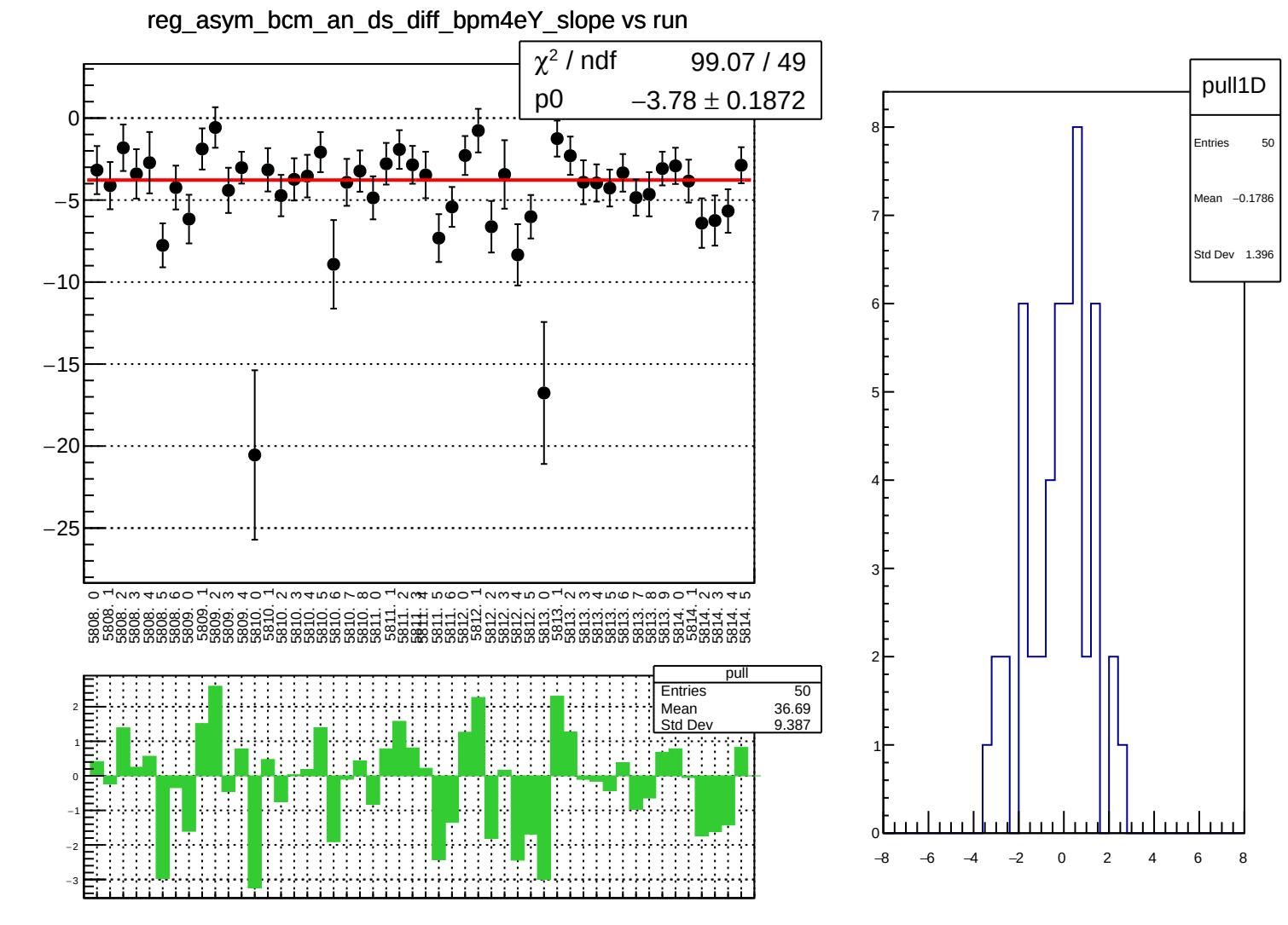

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 127.2 / 49
p0 0.3953 ± 0.01181
pull
Entries 50
Mean 4.161
Std Dev 0
pull1D
Entries 50
Mean 0.1639
Std Dev 1.586

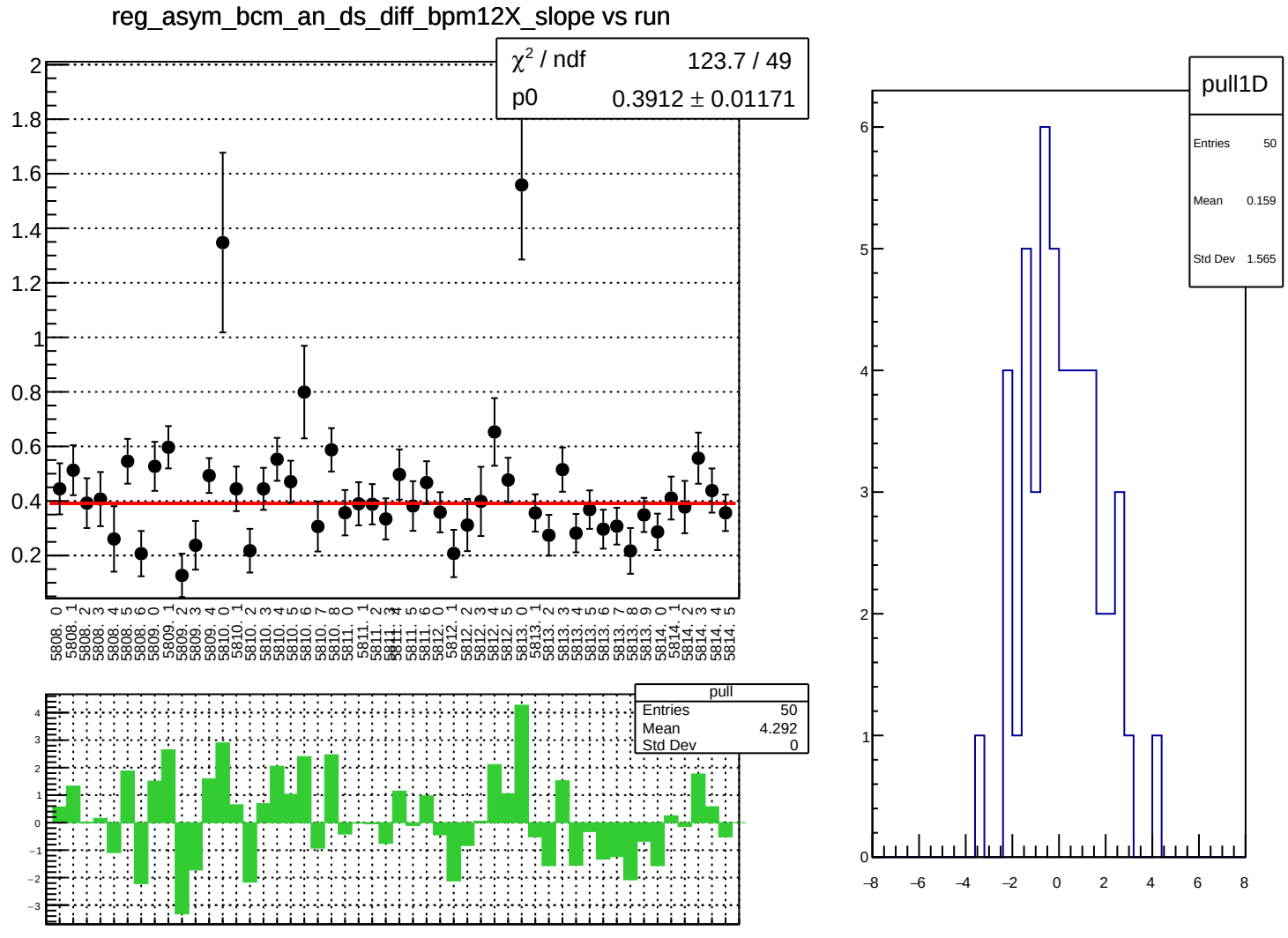

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 108.5 / 49
p0 1.226 ± 0.1074
pull
Entries 50
Mean 115.2
Std Dev 0

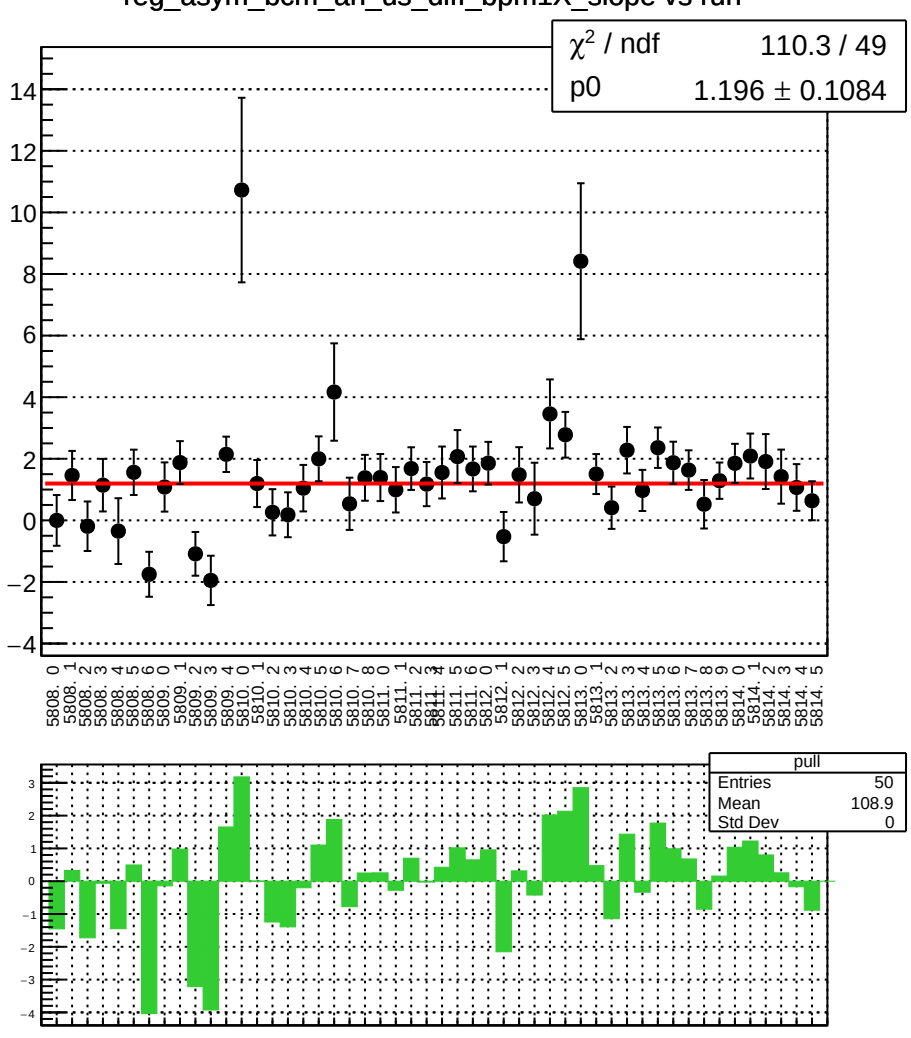

pull1D
Entries 50
Mean 0.08128
Std Dev 1.471

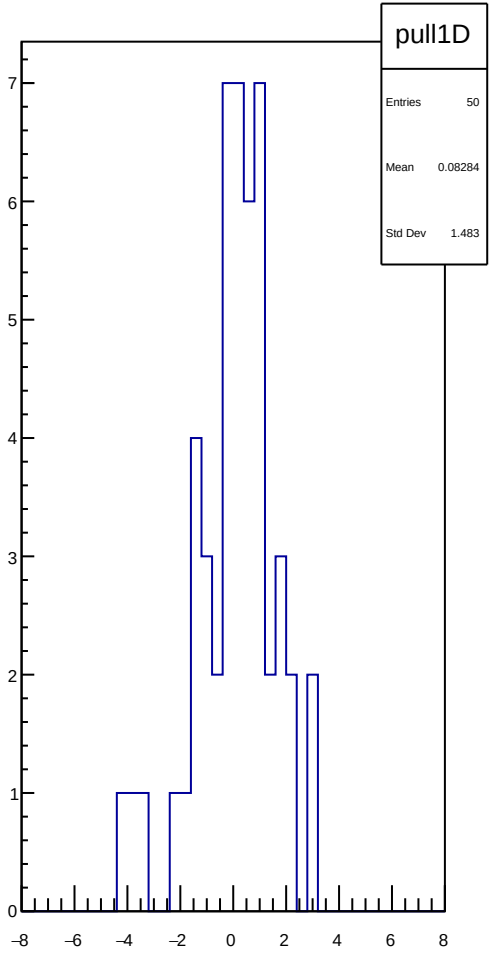

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 94.54 / 49
p0 3.124 ± 0.1711
pull
Entries 50
Mean 41.09
Std Dev 0
pull1D
Entries 50
Mean 0.1689
Std Dev 1.365

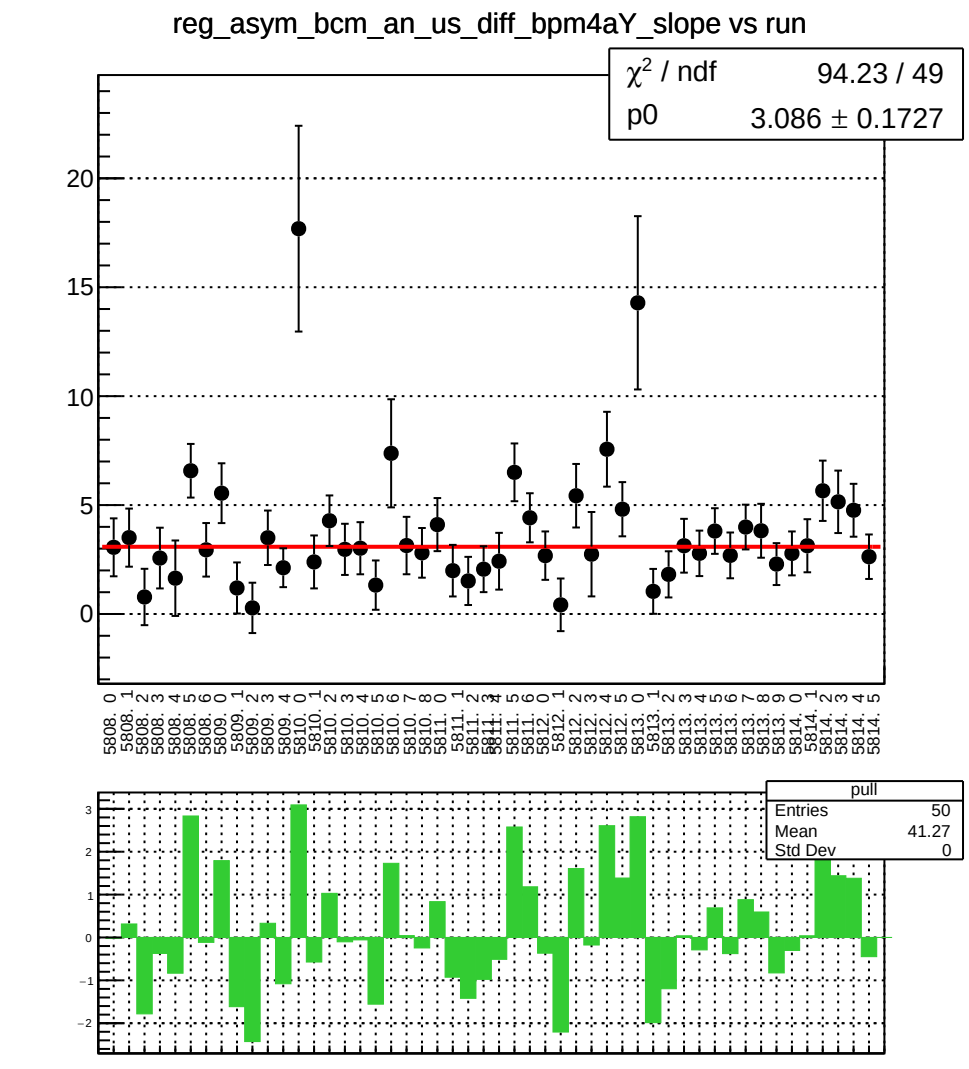

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 104.3 / 49
p0 −0.8555 ± 0.1536
pull
Entries 50
Mean 163.7
Std Dev 0
pull1D
Entries 50
Mean −0.0533
Std Dev 1.443

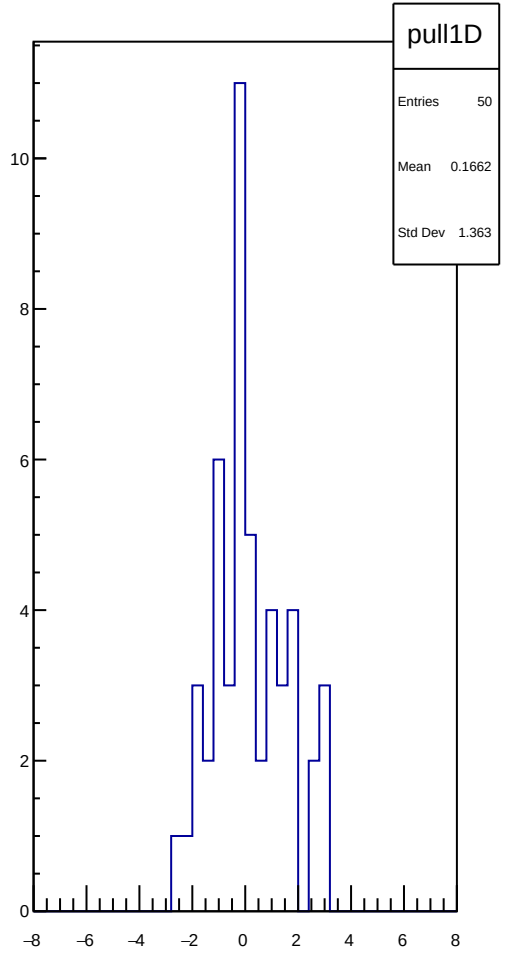

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 99.07 / 49
p0 −3.78 ± 0.1872
pull
Entries 50
Mean 36.69
Std Dev 9.387
pull1D
Entries 50
Mean −0.1786
Std Dev 1.396

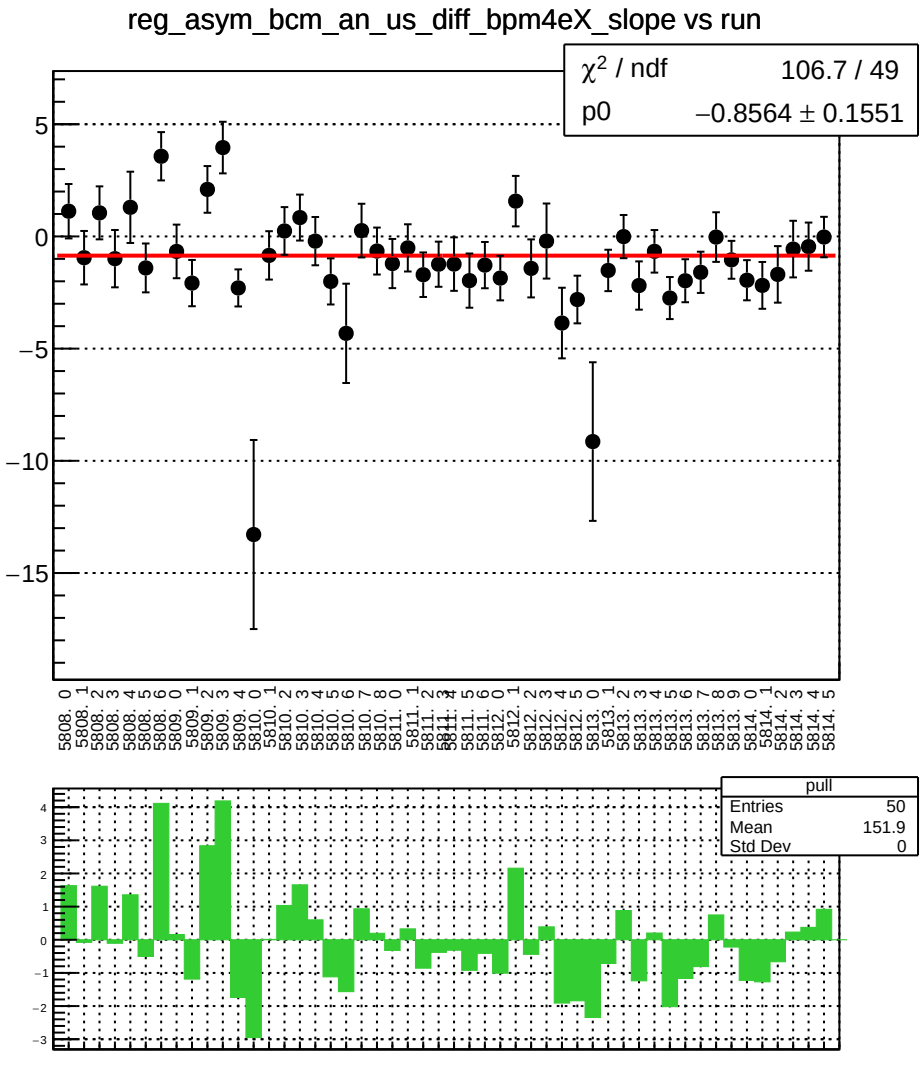

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 123.7 / 49
p0 0.3912 ± 0.01171
pull
Entries 50
Mean 4.292
Std Dev 0
pull1D
Entries 50
Mean 0.159
Std Dev 1.565

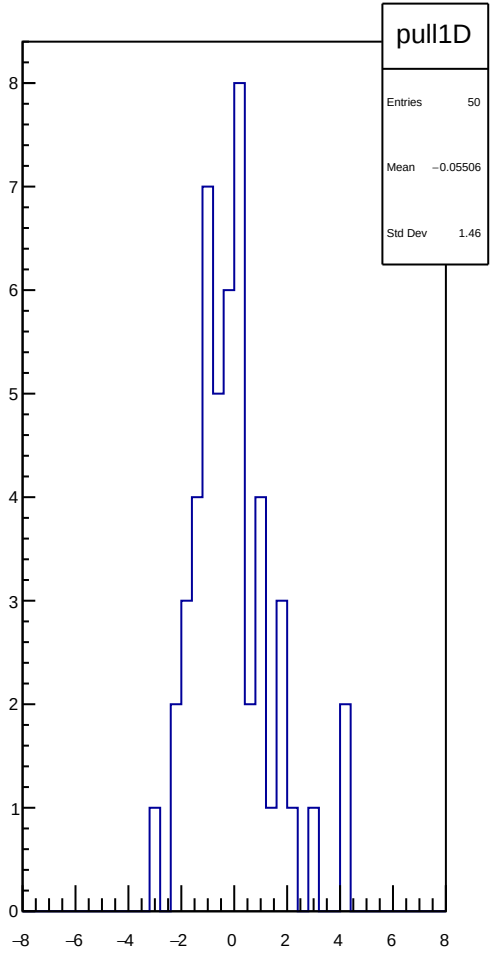

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 110.3 / 49
p0 1.196 ± 0.1084
pull
Entries 50
Mean 108.9
Std Dev 0

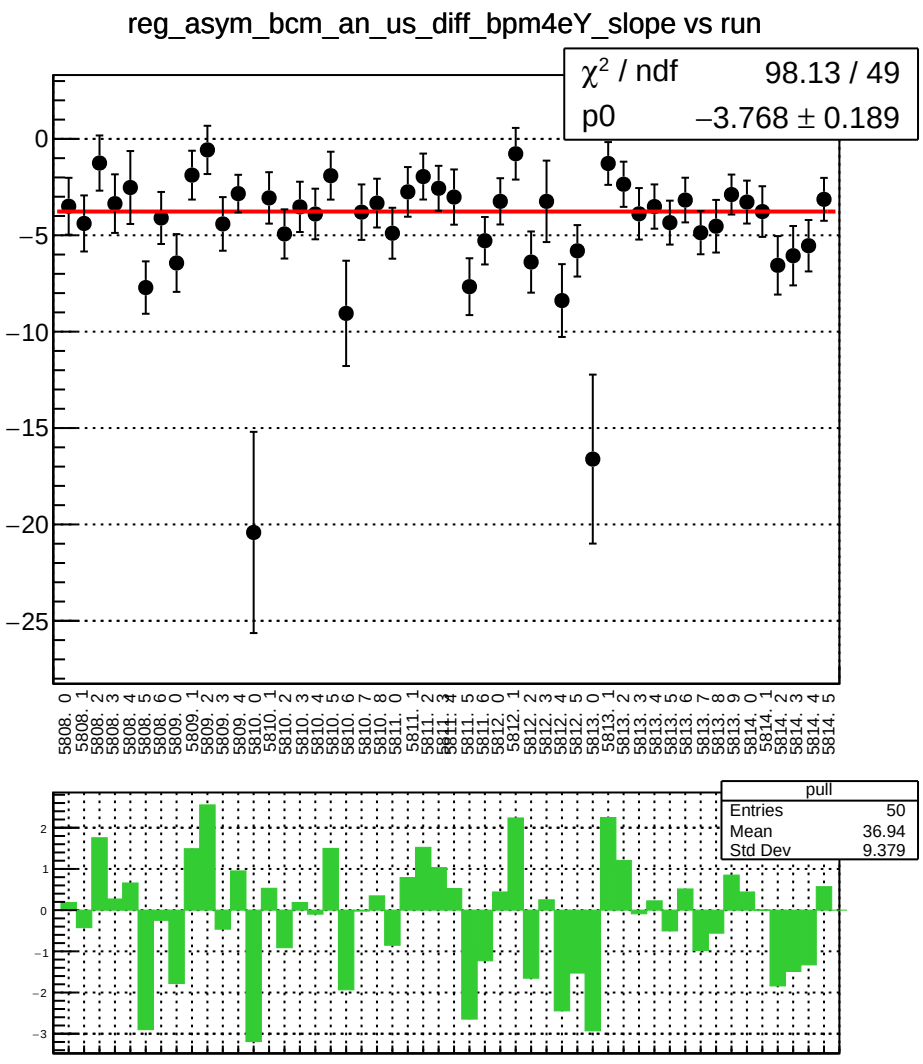

pull1D
Entries 50
Mean 0.08284
Std Dev 1.483

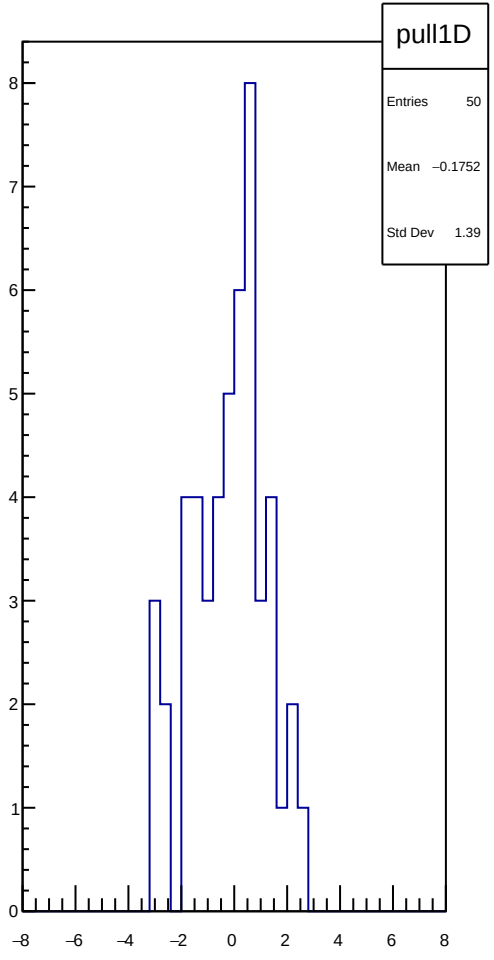

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 94.23 / 49
p0 3.086 ± 0.1727
pull
Entries 50
Mean 41.27
Std Dev 0

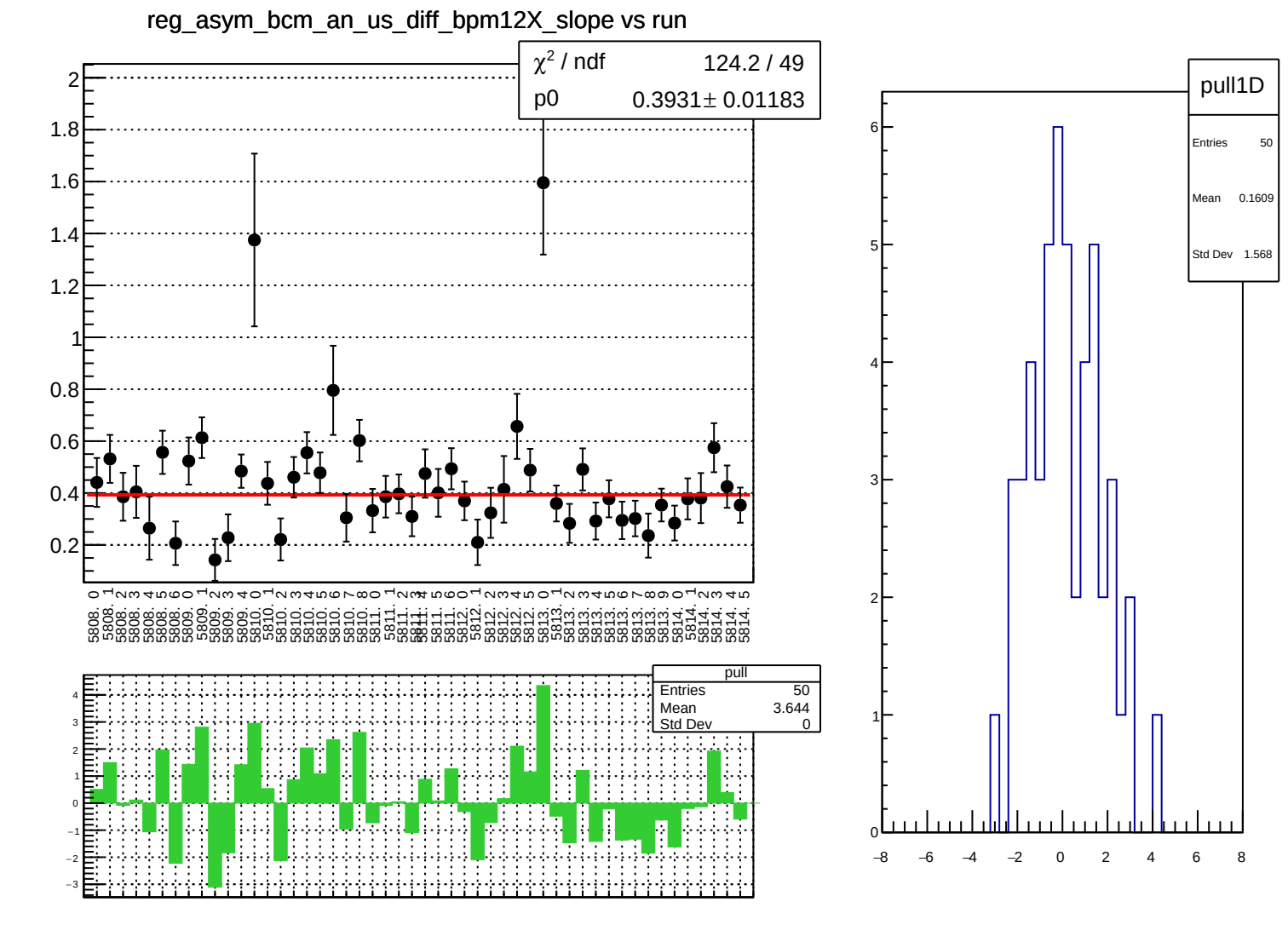

pull1D
Entries 50
Mean 0.1662
Std Dev 1.363

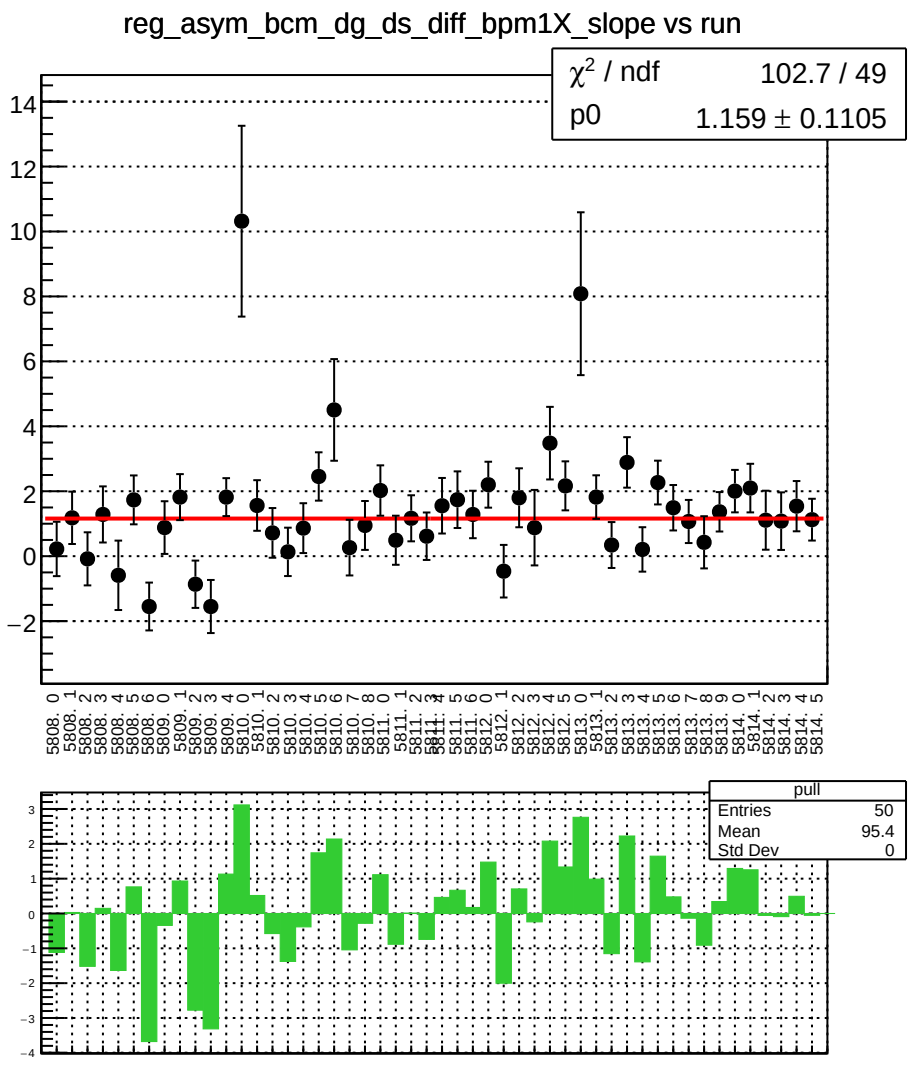

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 106.7 / 49
p0 −0.8564 ± 0.1551
pull
Entries 50
Mean 151.9
Std Dev 0

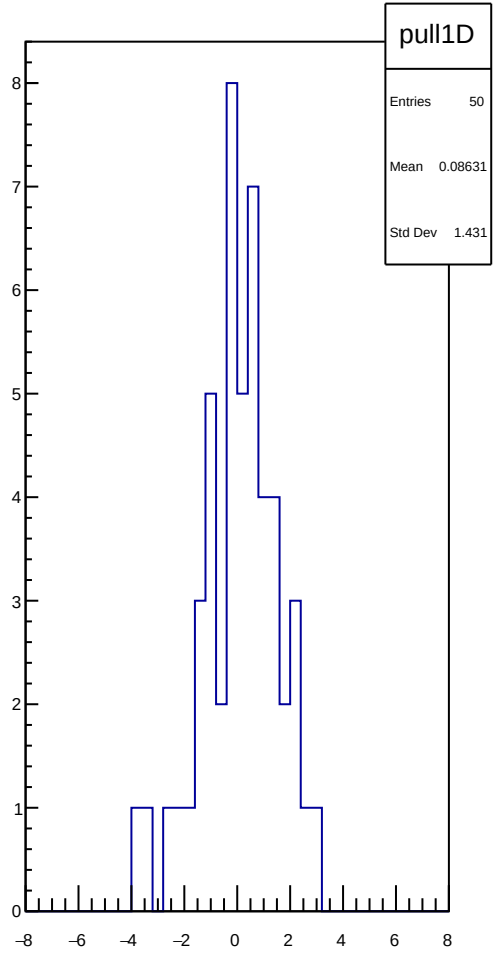

pull1D
Entries 50
Mean −0.05506
Std Dev 1.46

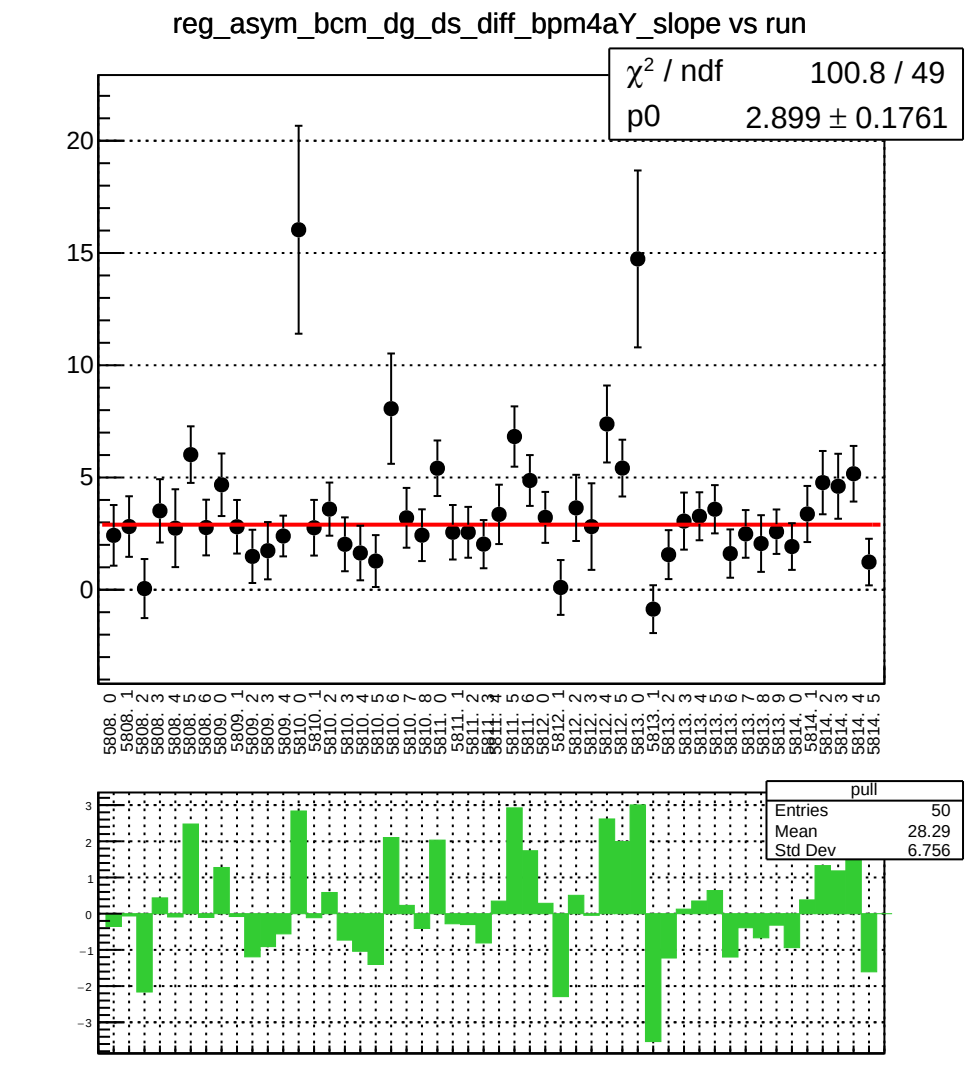

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 98.13 / 49
p0 −3.768 ± 0.189
pull
Entries 50
Mean 36.94
Std Dev 9.379

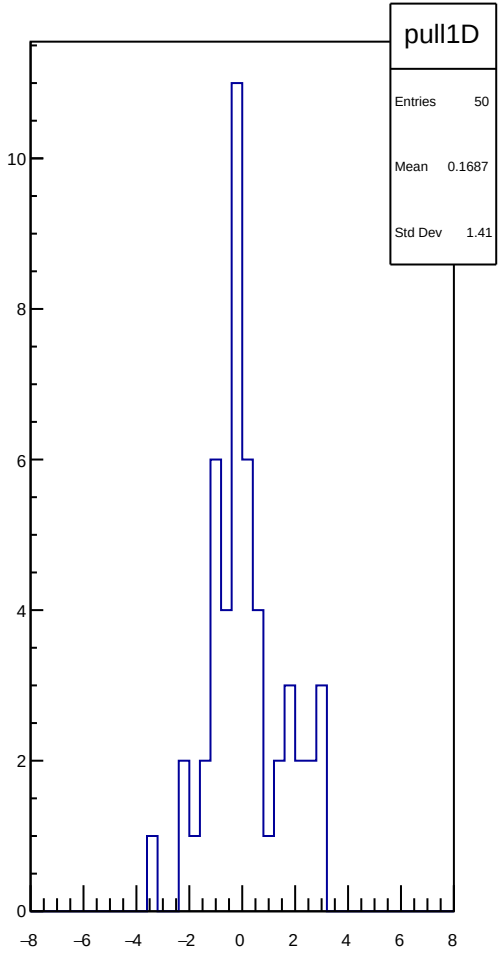

pull1D
Entries 50
Mean −0.1752
Std Dev 1.39

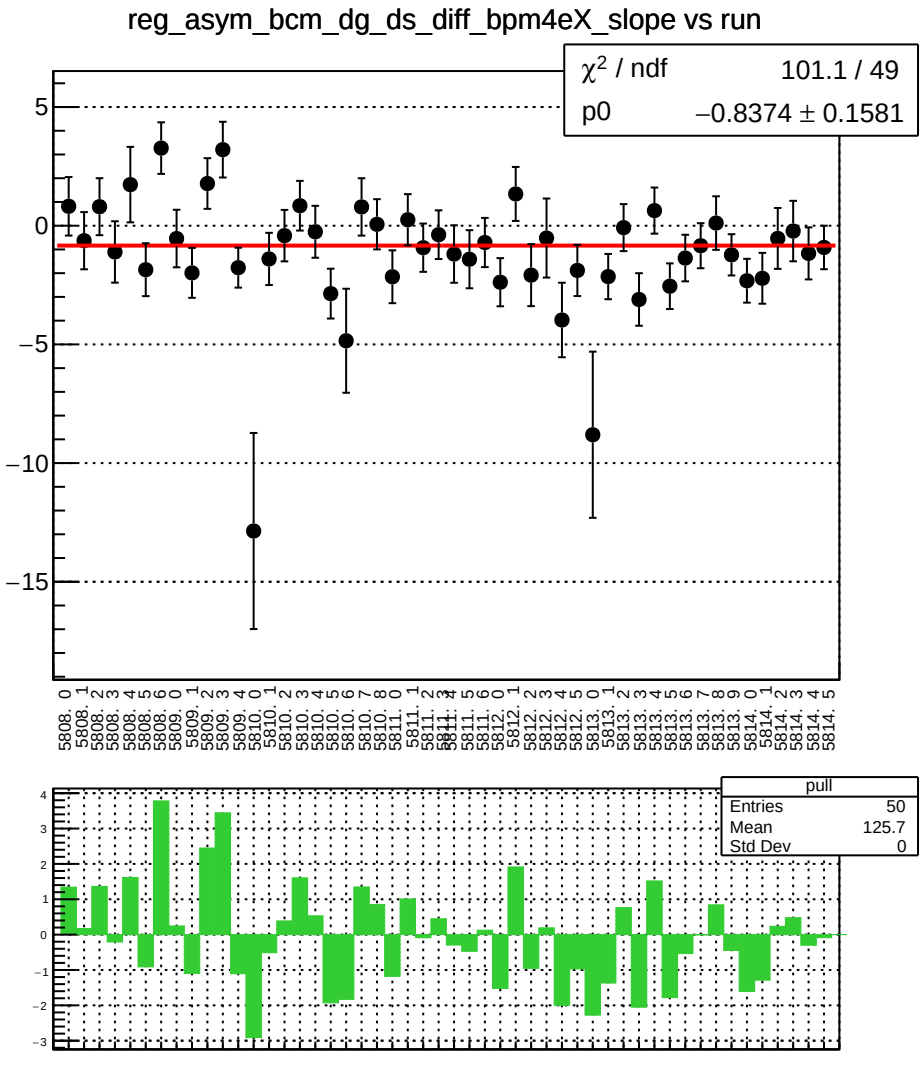

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 124.2 / 49
p0 0.3931± 0.01183
pull
Entries 50
Mean 3.644
Std Dev 0
pull1D
Entries 50
Mean 0.1609
Std Dev 1.568

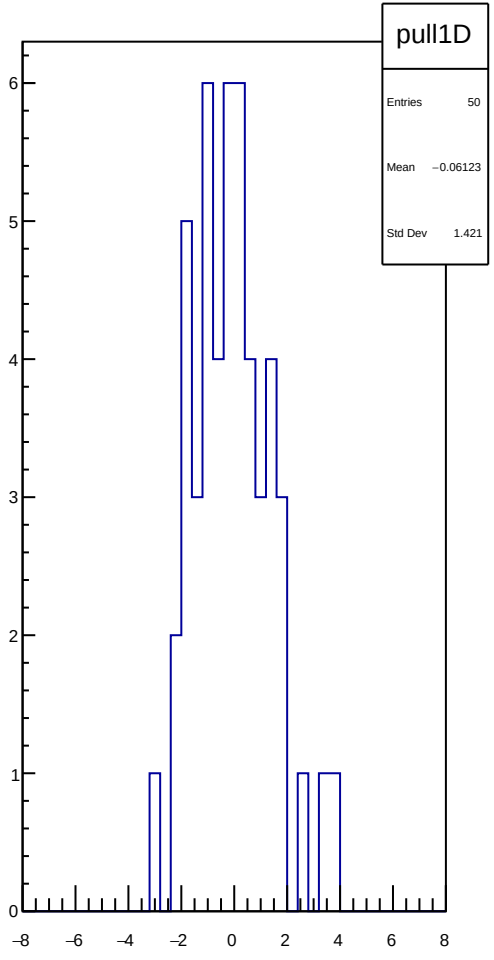

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 102.7 / 49
p0 1.159 ± 0.1105
pull
Entries 50
Mean 95.4
Std Dev 0

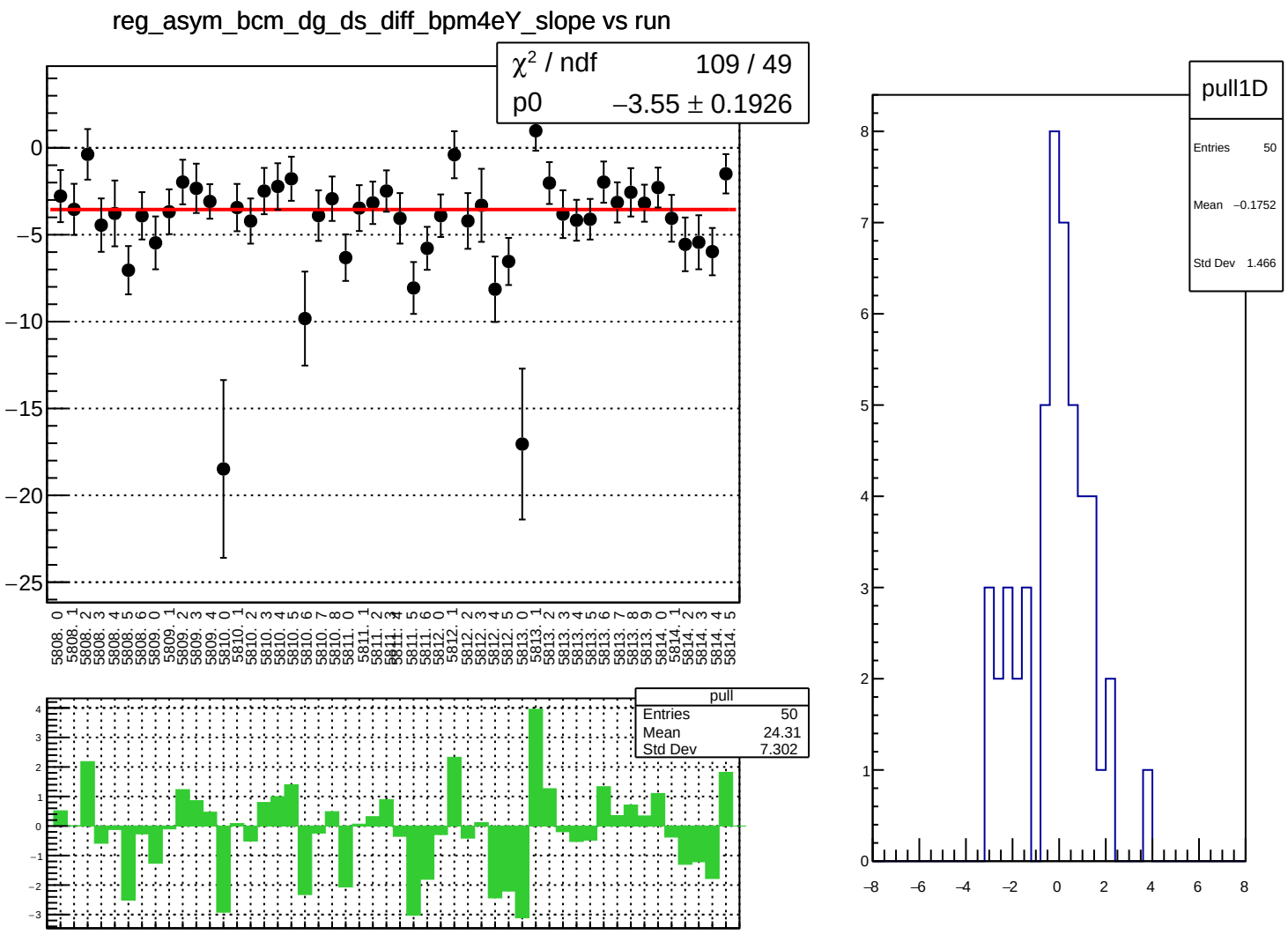

pull1D
Entries 50
Mean 0.08631
Std Dev 1.431

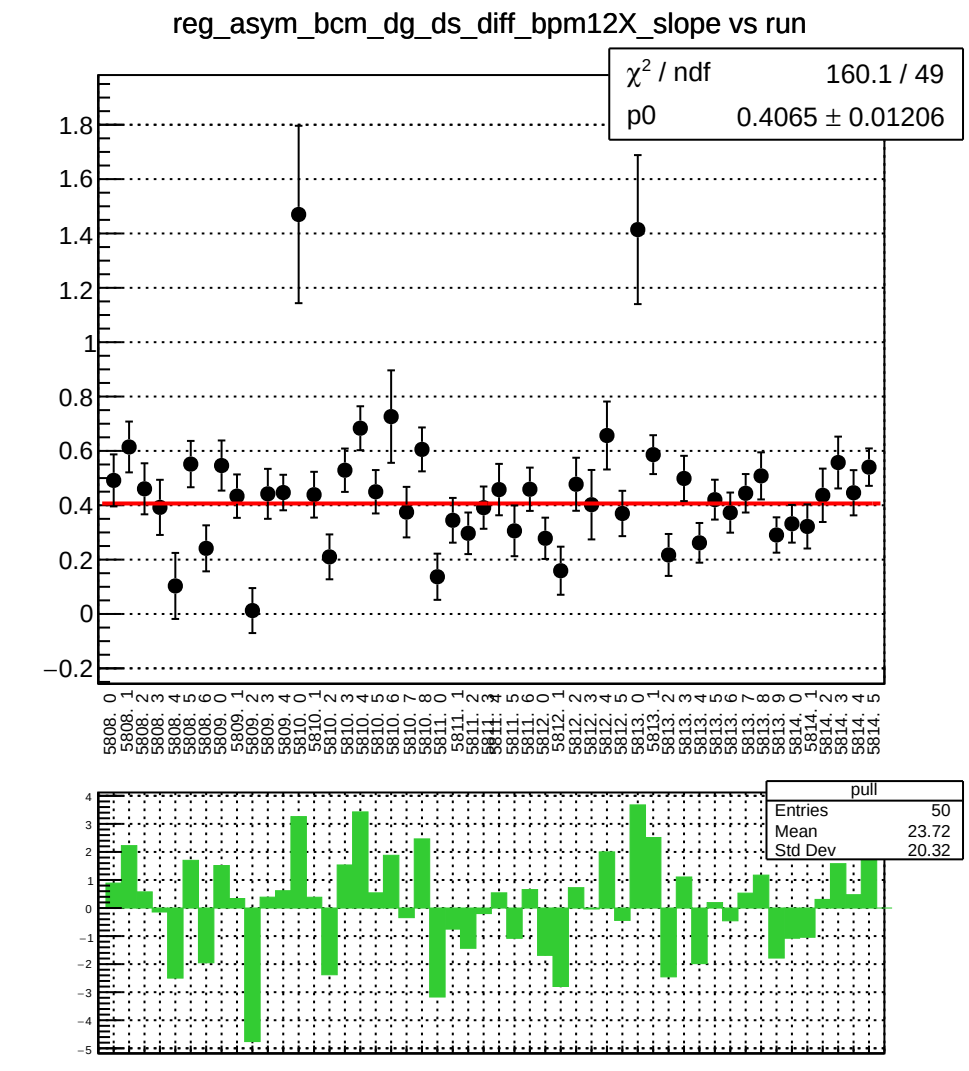

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 100.8 / 49
p0 2.899 ± 0.1761
pull
Entries 50
Mean 28.29
Std Dev 6.756

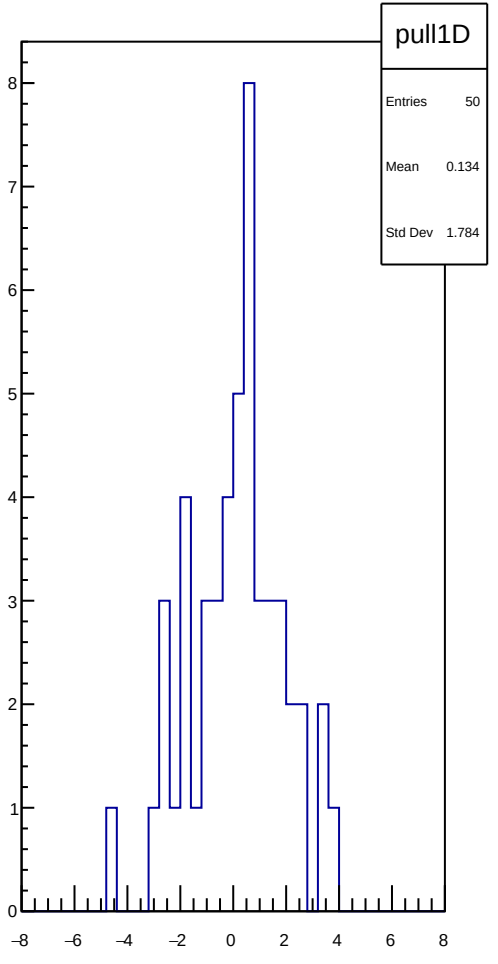

pull1D
Entries 50
Mean 0.1687
Std Dev 1.41

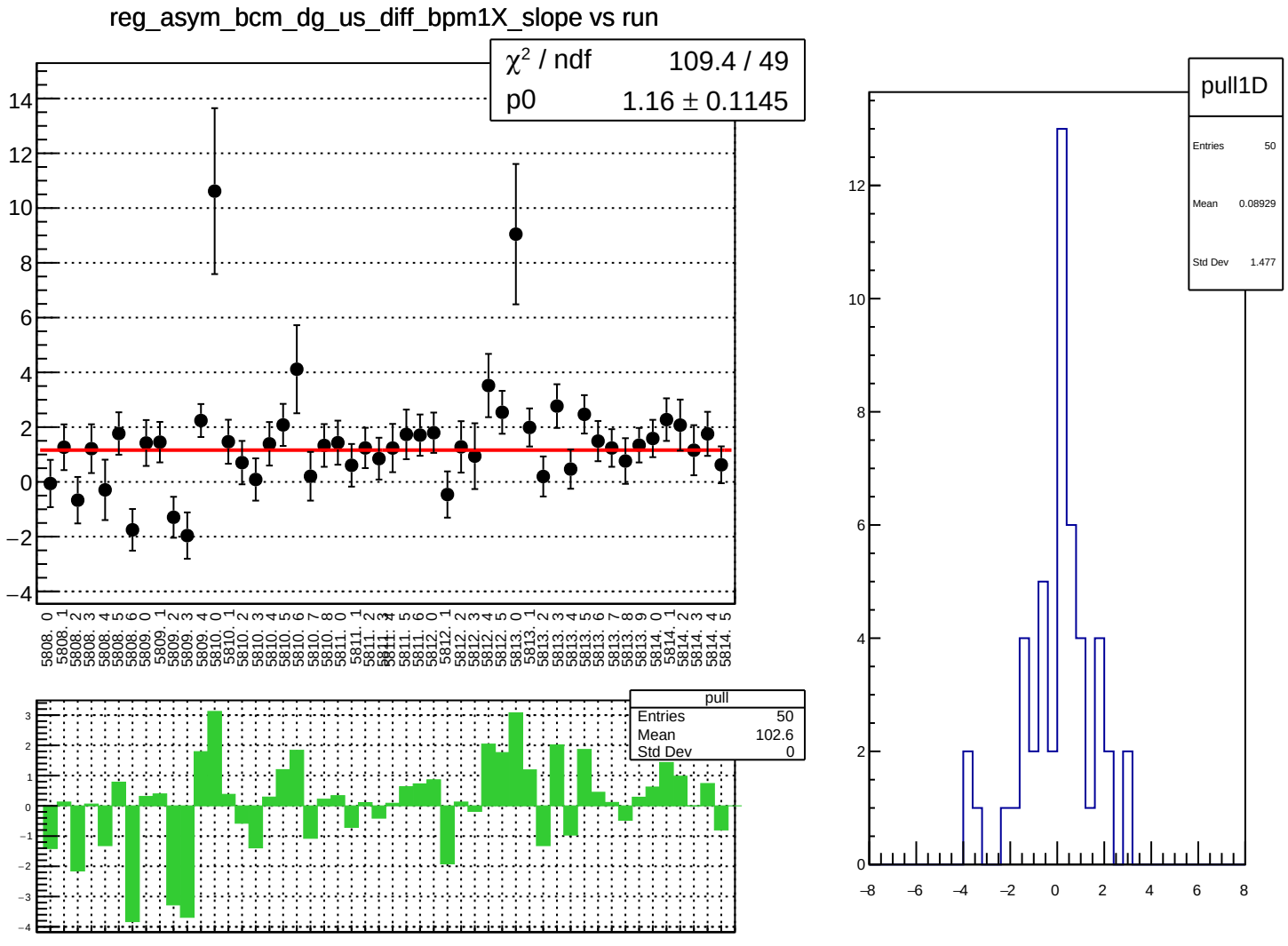

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 101.1 / 49
p0 −0.8374 ± 0.1581
pull
Entries 50
Mean 125.7
Std Dev 0

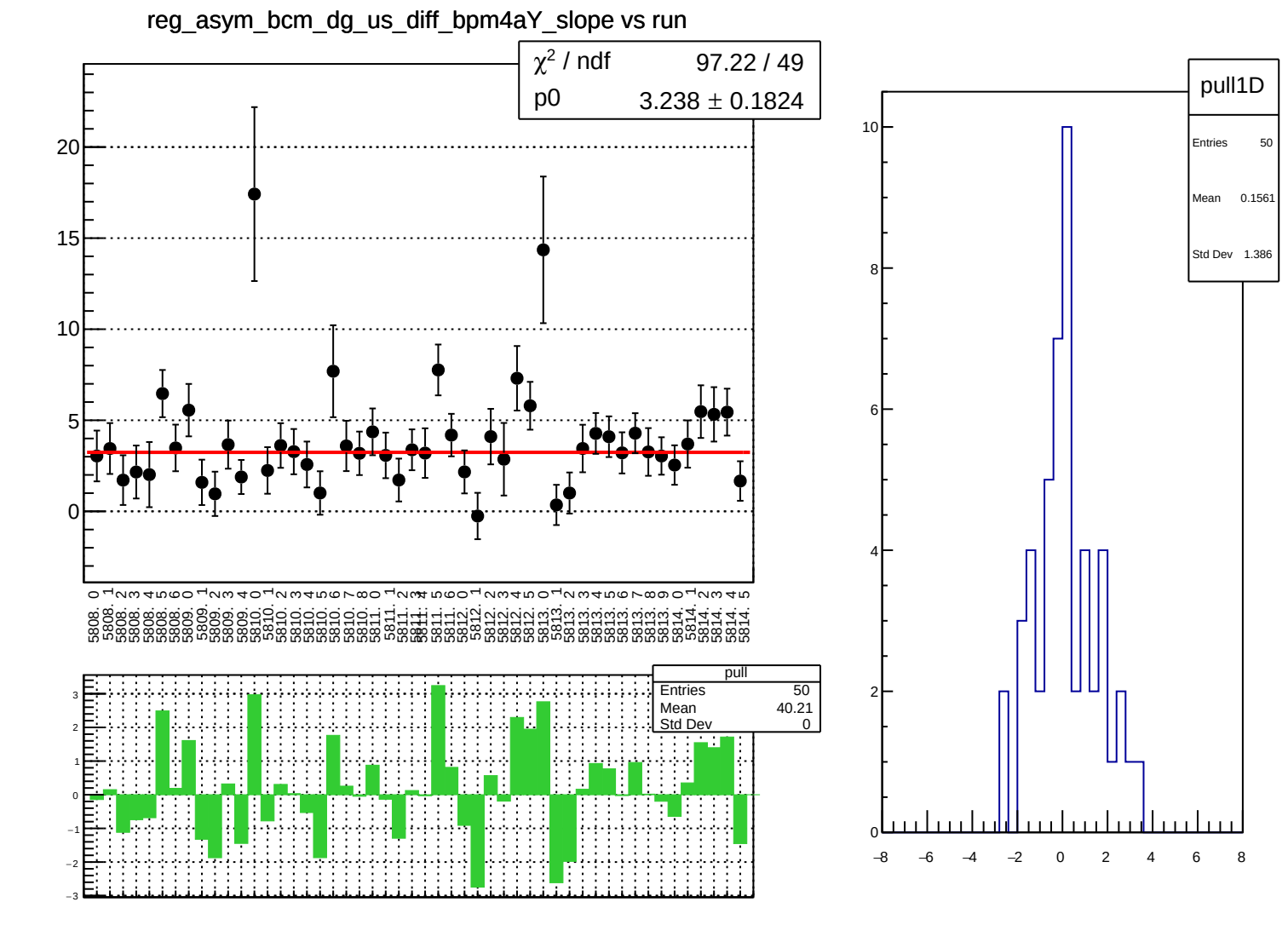

pull1D
Entries 50
Mean −0.06123
Std Dev 1.421

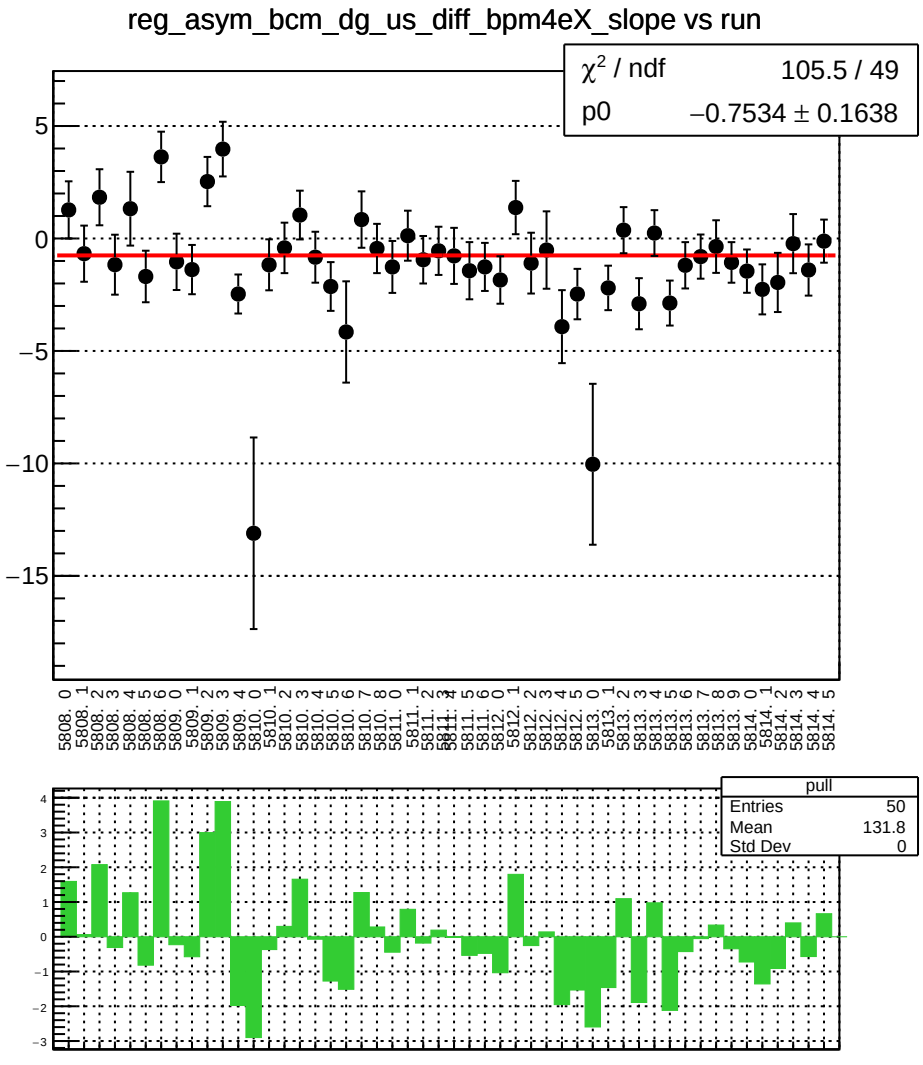

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 109 / 49
p0 −3.55 ± 0.1926
pull
Entries 50
Mean 24.31
Std Dev 7.302
pull1D
Entries 50
Mean −0.1752
Std Dev 1.466

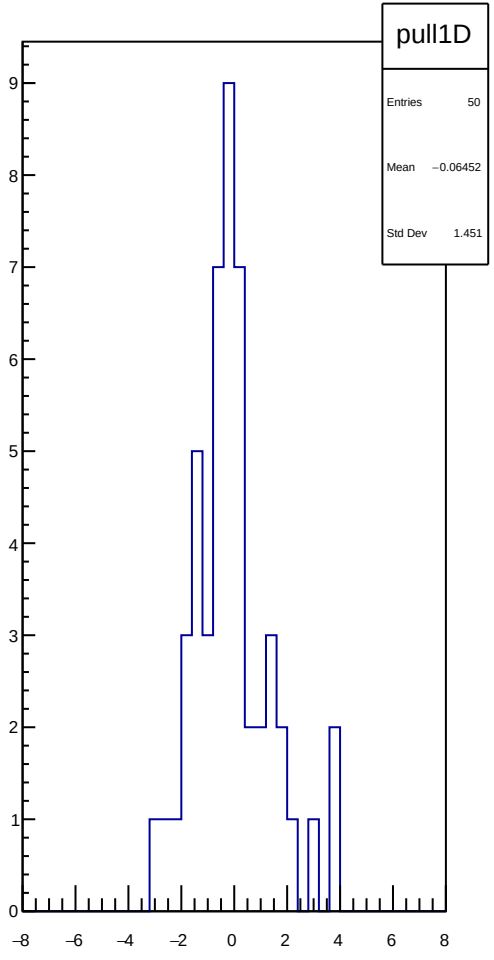

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 160.1 / 49
p0 0.4065 ± 0.01206
pull
Entries 50
Mean 23.72
Std Dev 20.32

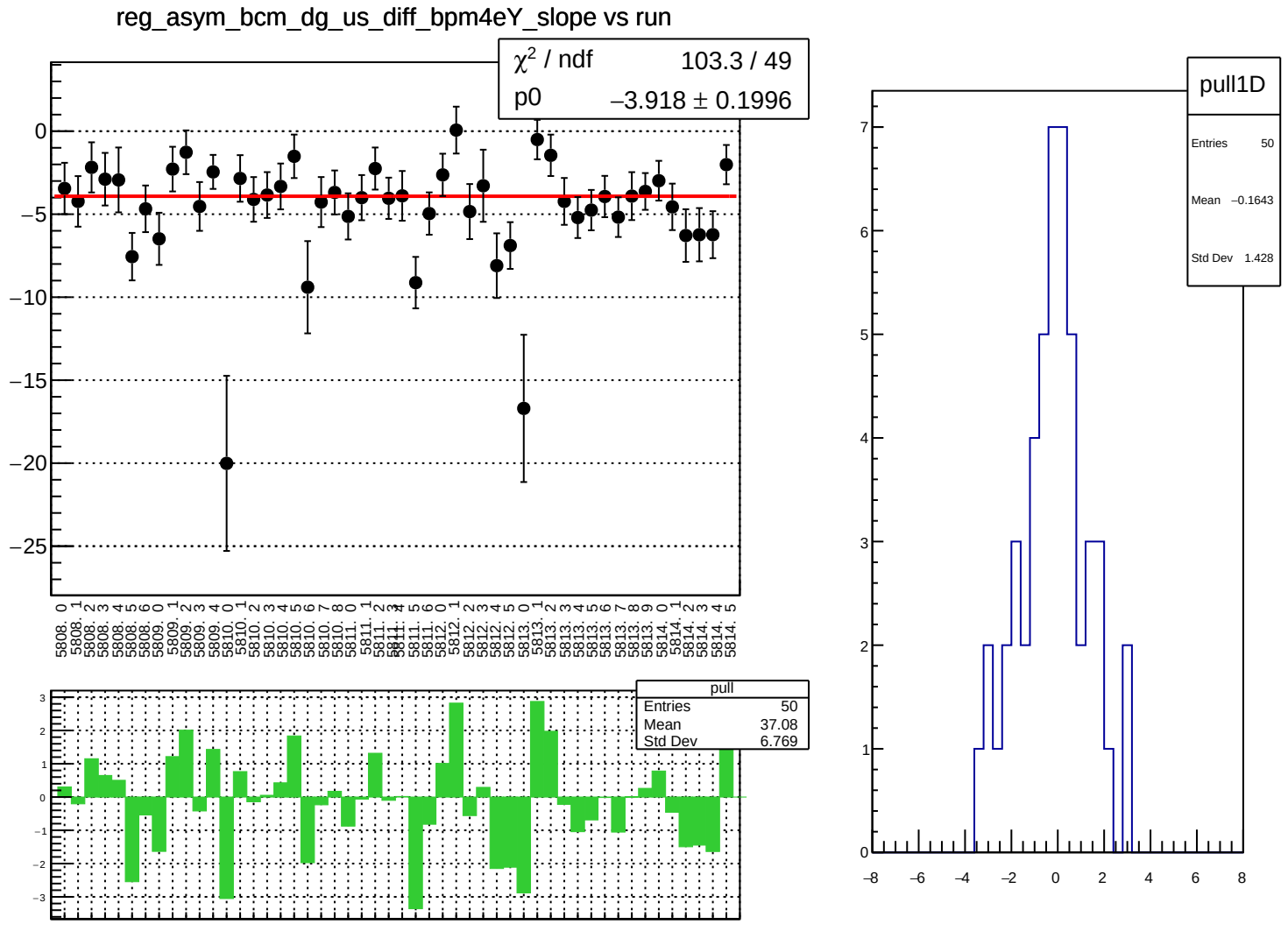

pull1D
Entries 50
Mean 0.134
Std Dev 1.784

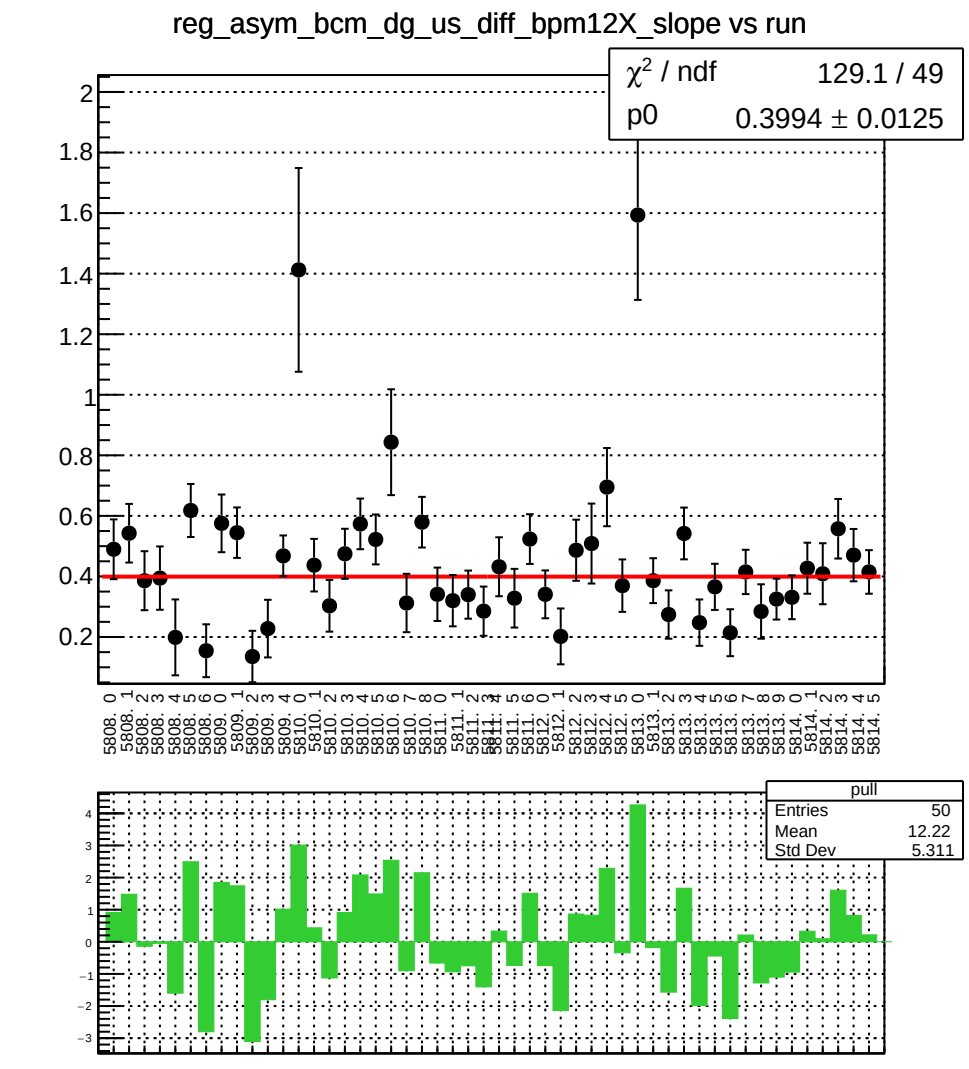

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 109.4 / 49
p0 1.16 ± 0.1145
pull
Entries 50
Mean 102.6
Std Dev 0
pull1D
Entries 50
Mean 0.08929
Std Dev 1.477

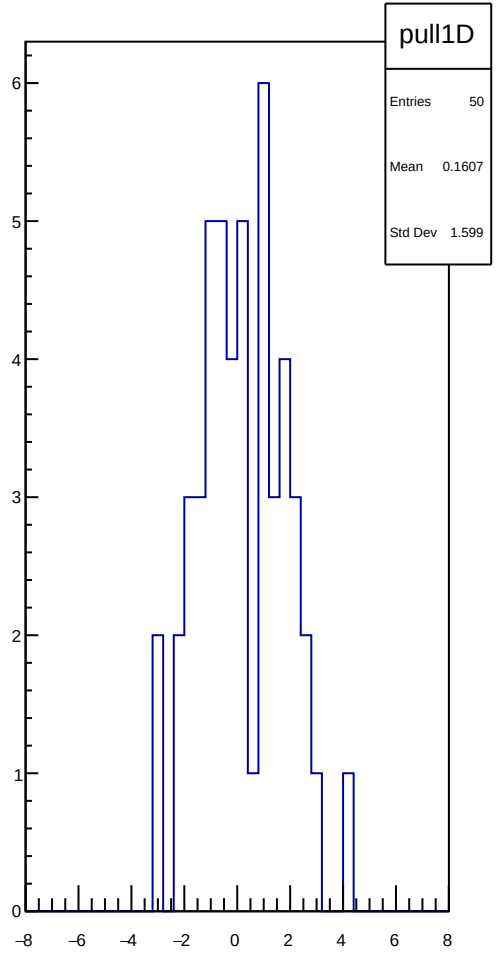

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 97.22 / 49
p0 3.238 ± 0.1824
pull
Entries 50
Mean 40.21
Std Dev 0
pull1D
Entries 50
Mean 0.1561
Std Dev 1.386

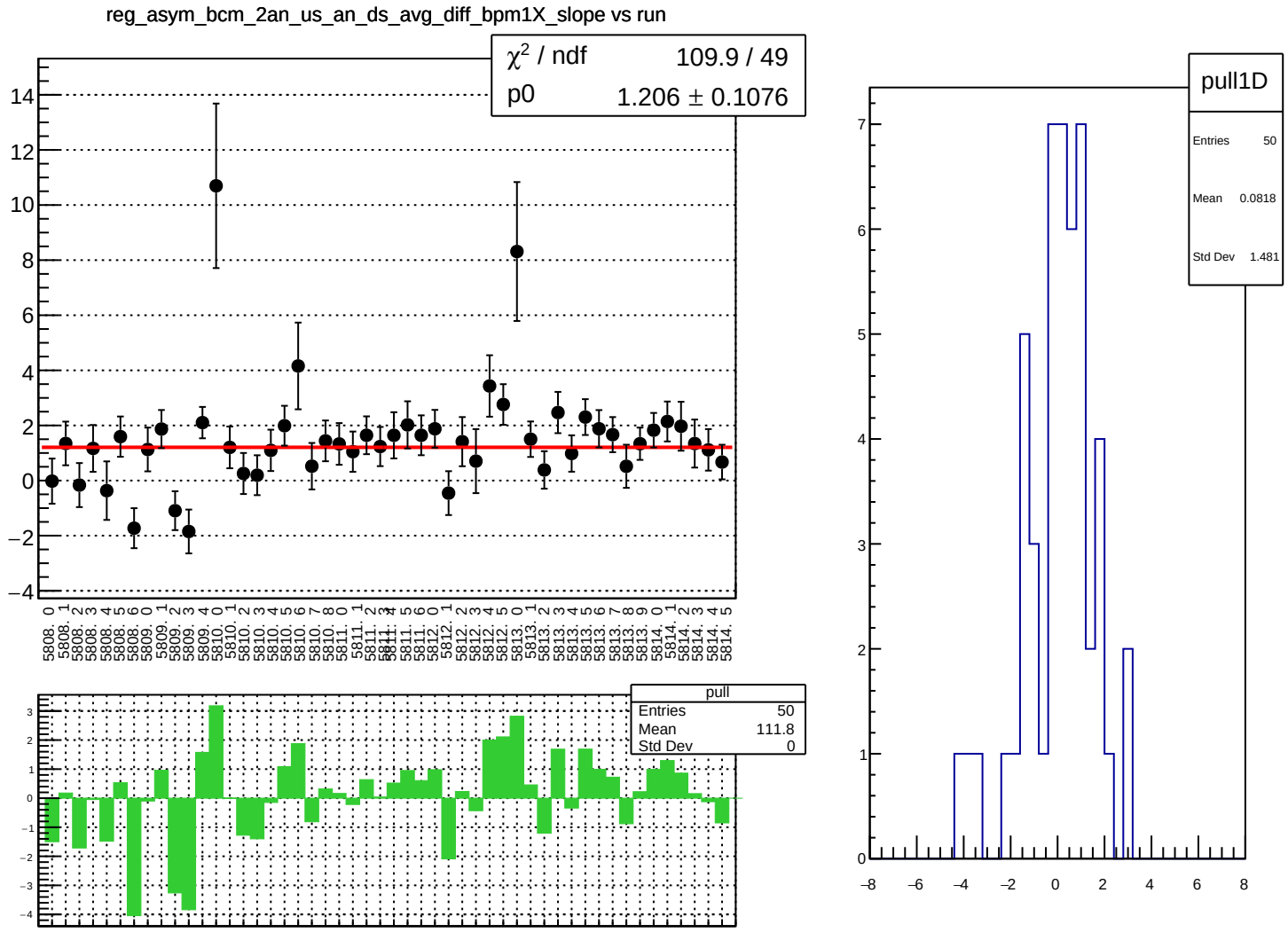

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 105.5 / 49
p0 −0.7534 ± 0.1638
pull
Entries 50
Mean 131.8
Std Dev 0

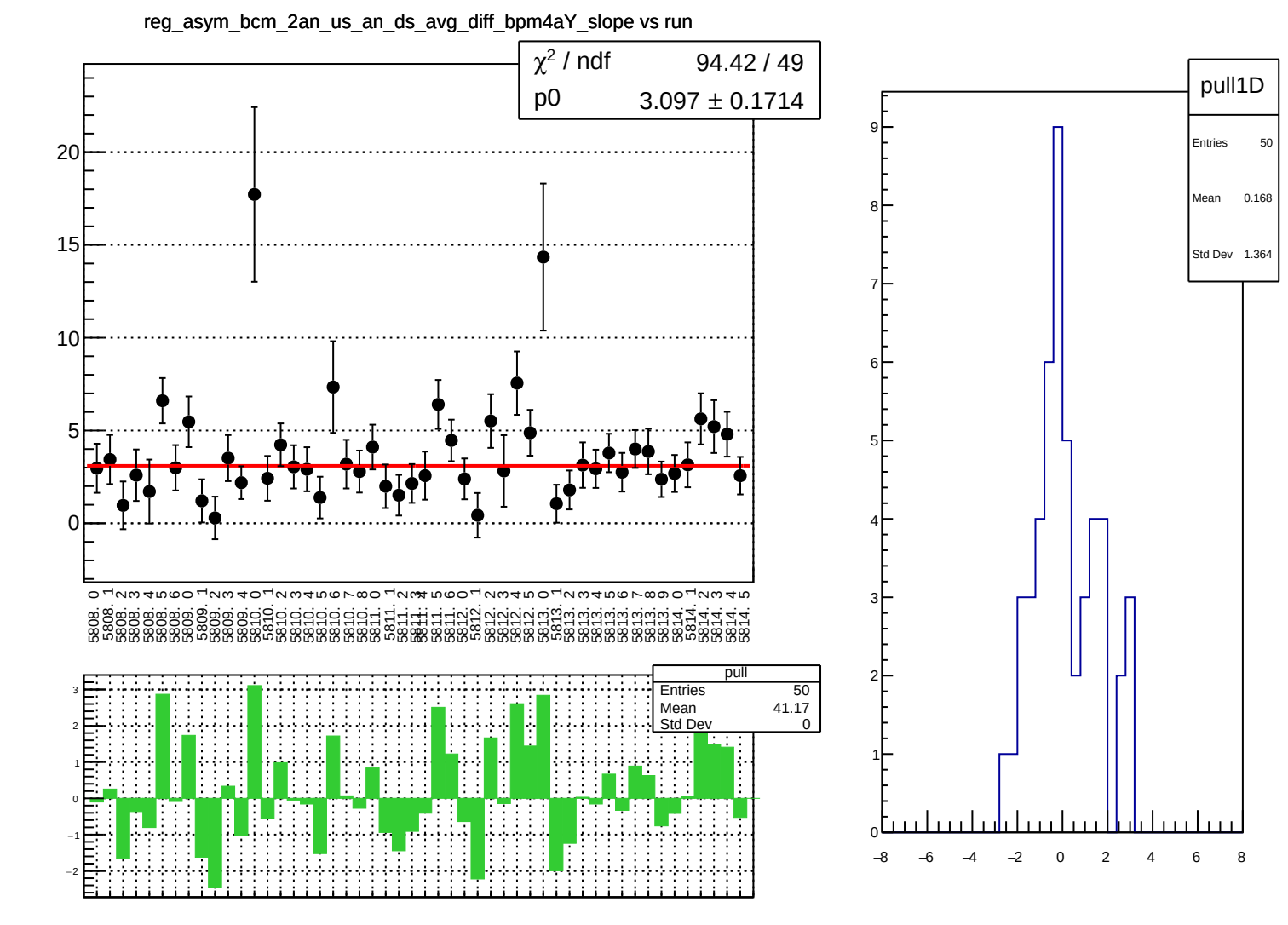

pull1D
Entries 50
Mean −0.06452
Std Dev 1.451

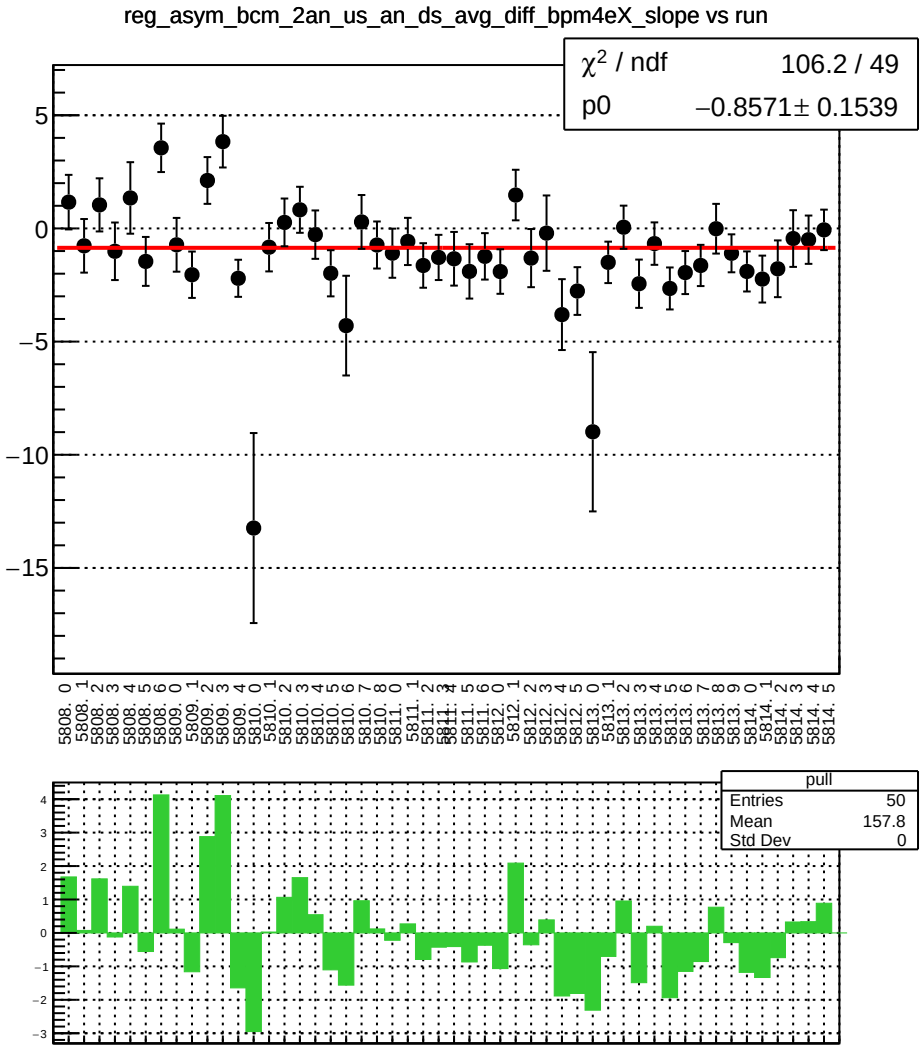

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 103.3 / 49
p0 −3.918 ± 0.1996
pull
Entries 50
Mean 37.08
Std Dev 6.769
pull1D
Entries 50
Mean −0.1643
Std Dev 1.428

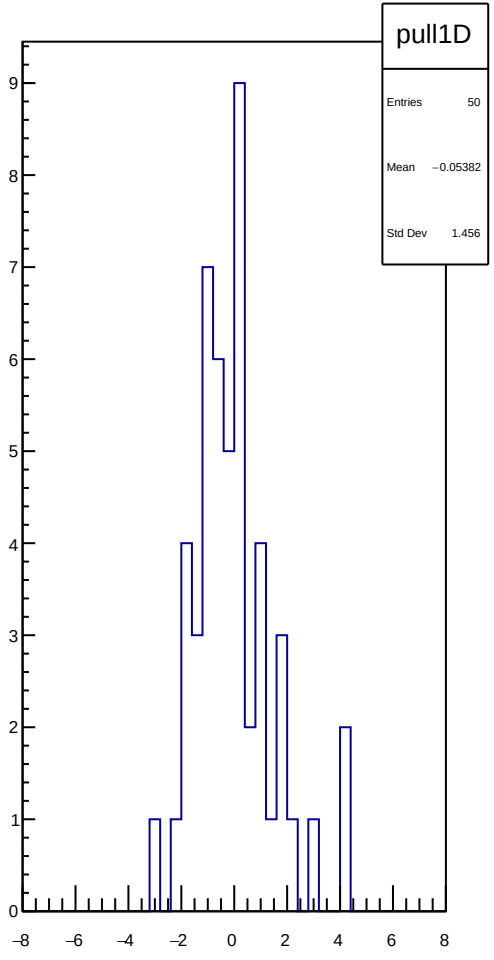

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 129.1 / 49
p0 0.3994 ± 0.0125
pull
Entries 50
Mean 12.22
Std Dev 5.311

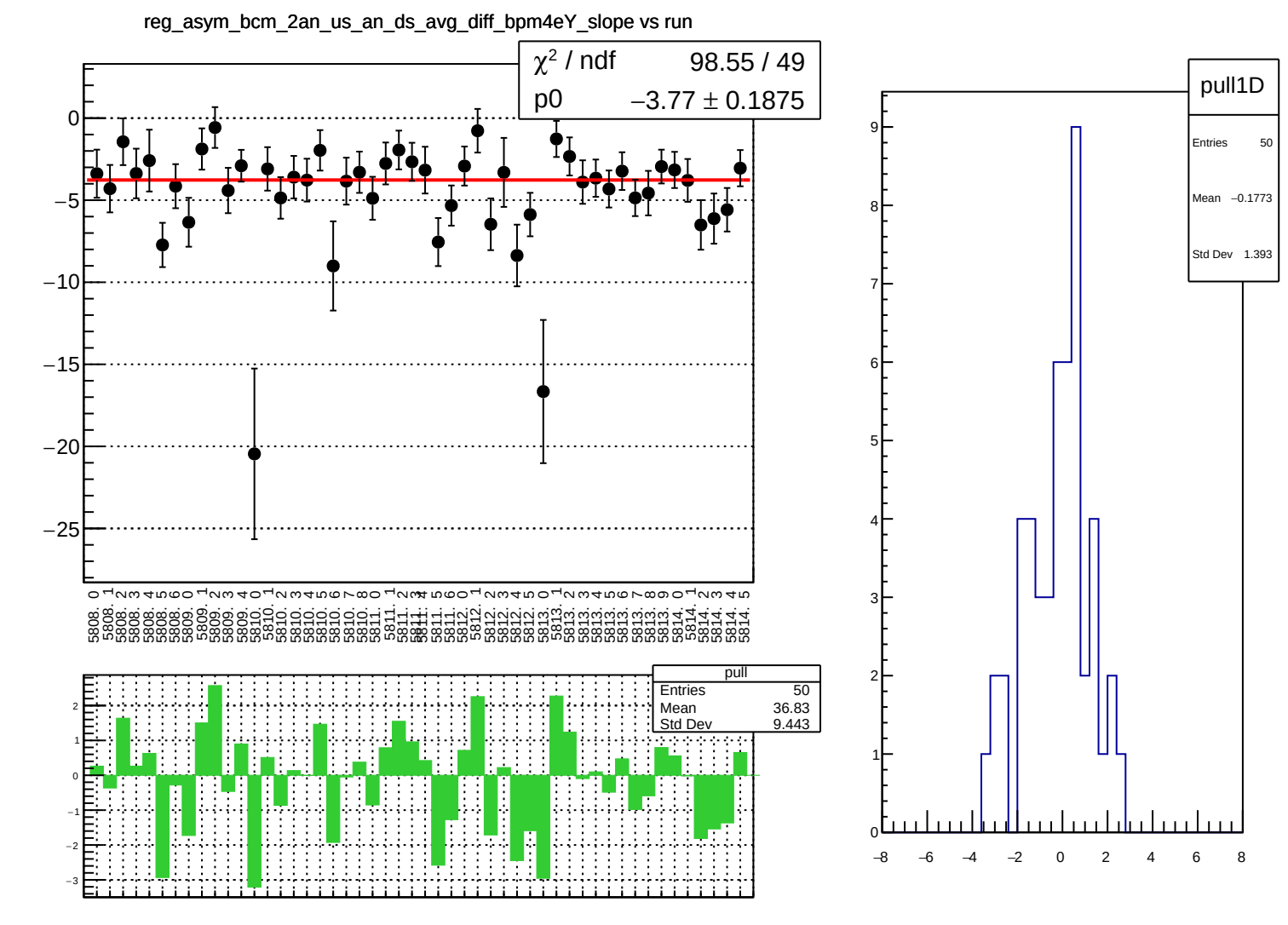

pull1D
Entries 50
Mean 0.1607
Std Dev 1.599

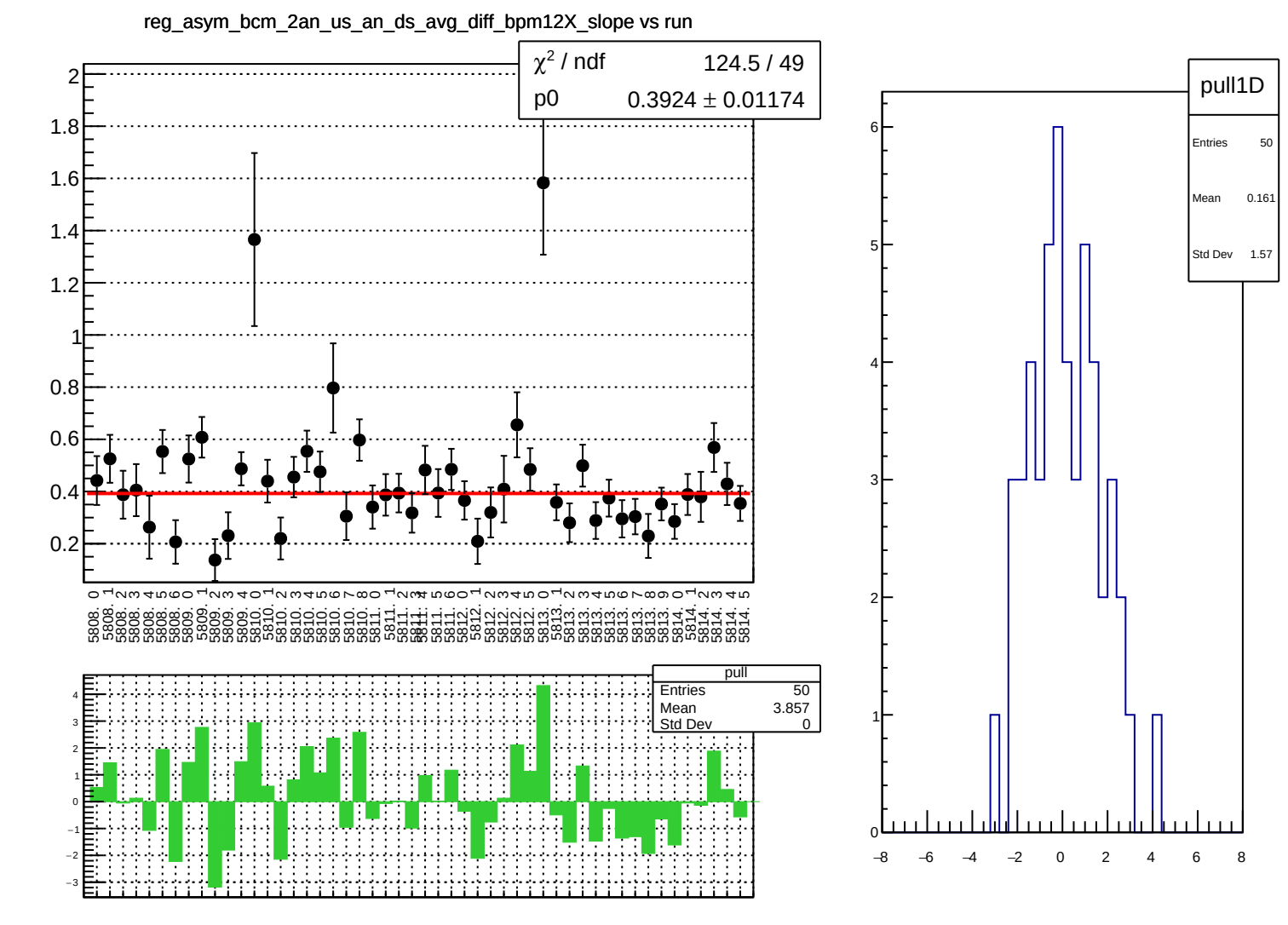

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 109.9 / 49
p0 1.206 ± 0.1076
pull
Entries 50
Mean 111.8
Std Dev 0
pull1D
Entries 50
Mean 0.0818
Std Dev 1.481

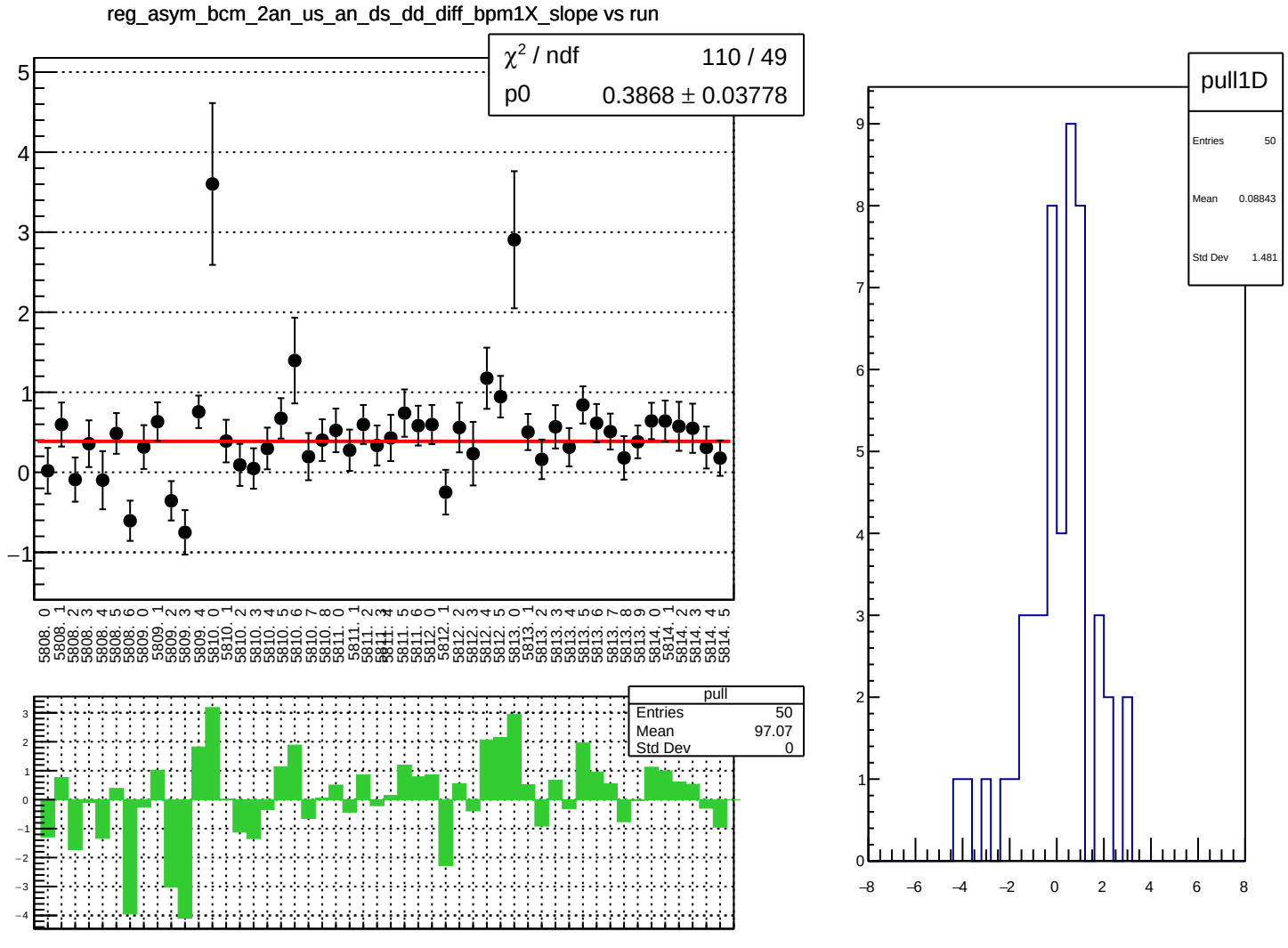

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.42 / 49
p0 3.097 ± 0.1714
pull
Entries 50
Mean 41.17
Std Dev 0
pull1D
Entries 50
Mean 0.168
Std Dev 1.364

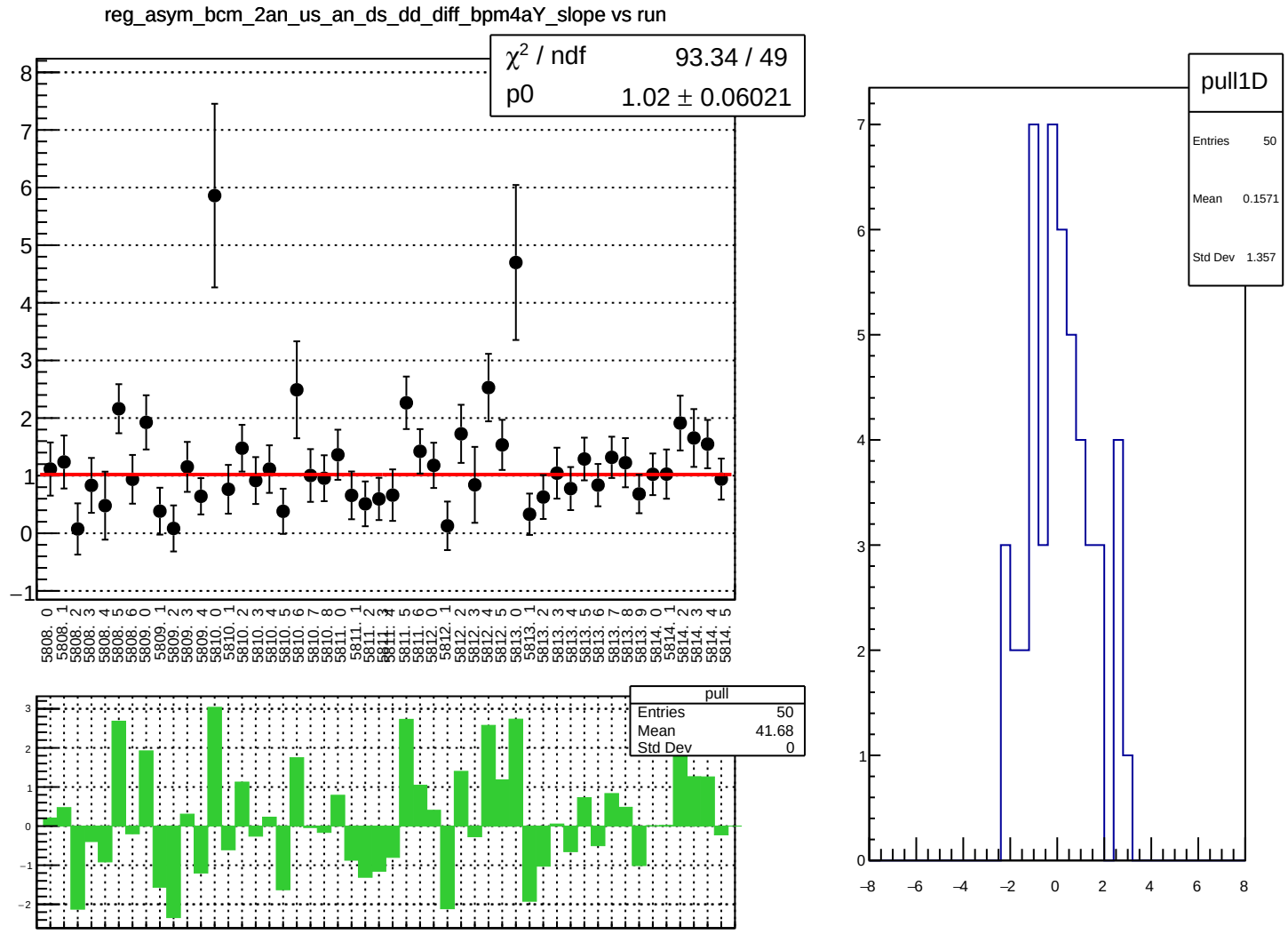

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 106.2 / 49
p0 −0.8571± 0.1539
pull
Entries 50
Mean 157.8
Std Dev 0

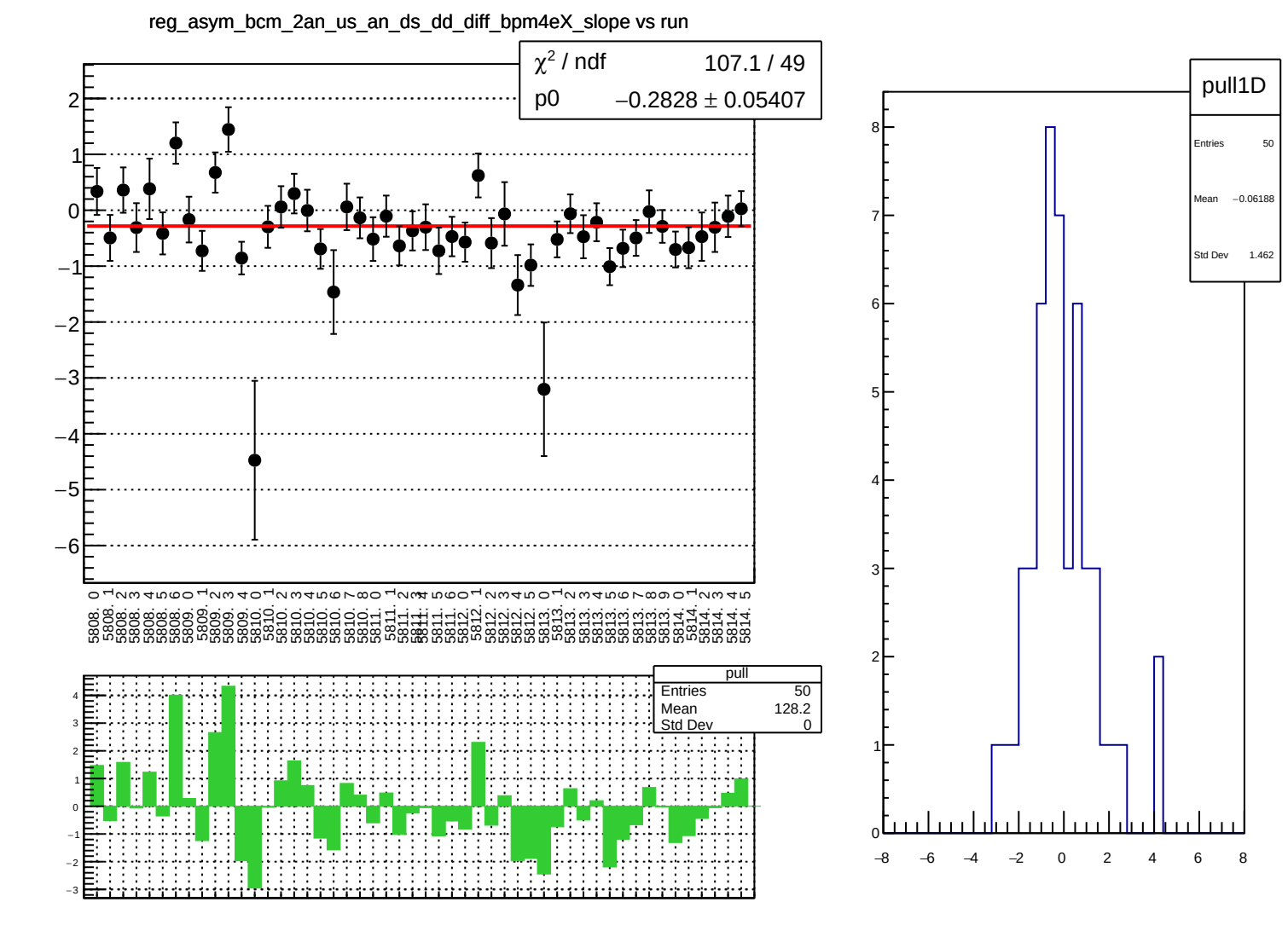

pull1D
Entries 50
Mean −0.05382
Std Dev 1.456

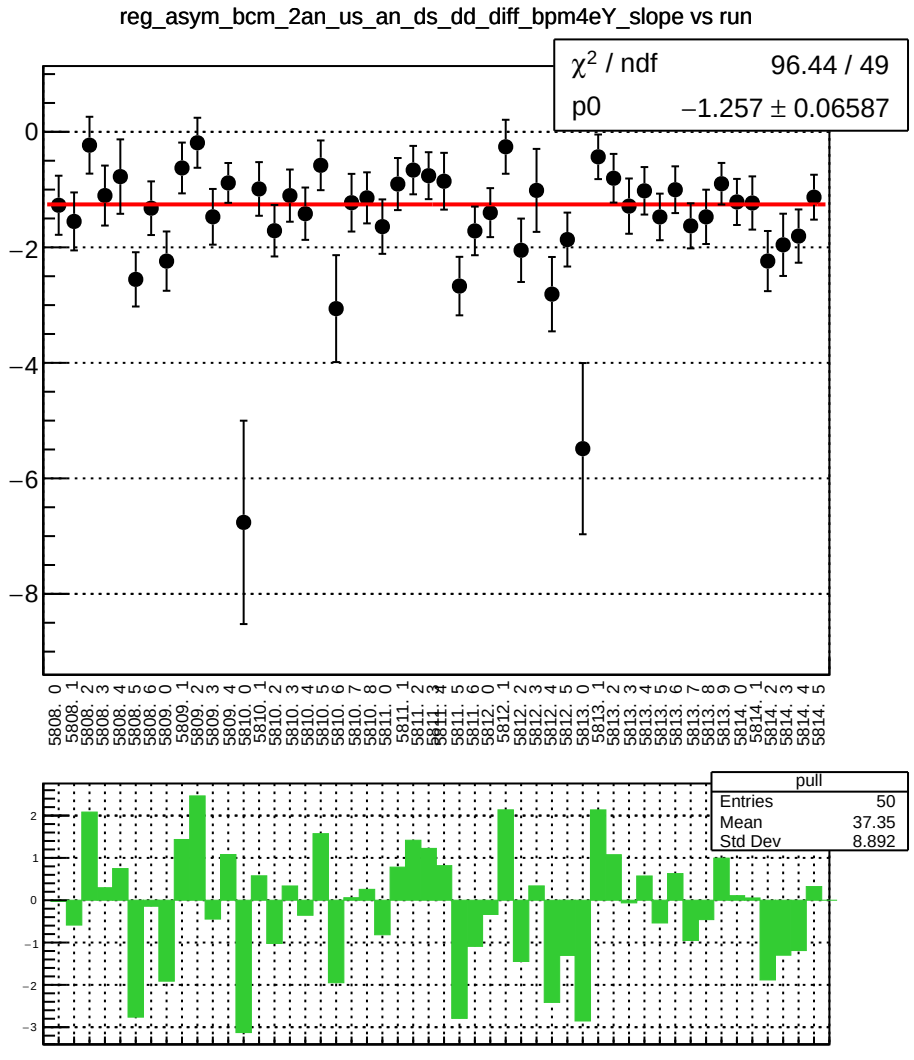

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.55 / 49
p0 −3.77 ± 0.1875
pull
Entries 50
Mean 36.83
Std Dev 9.443
pull1D
Entries 50
Mean −0.1773
Std Dev 1.393

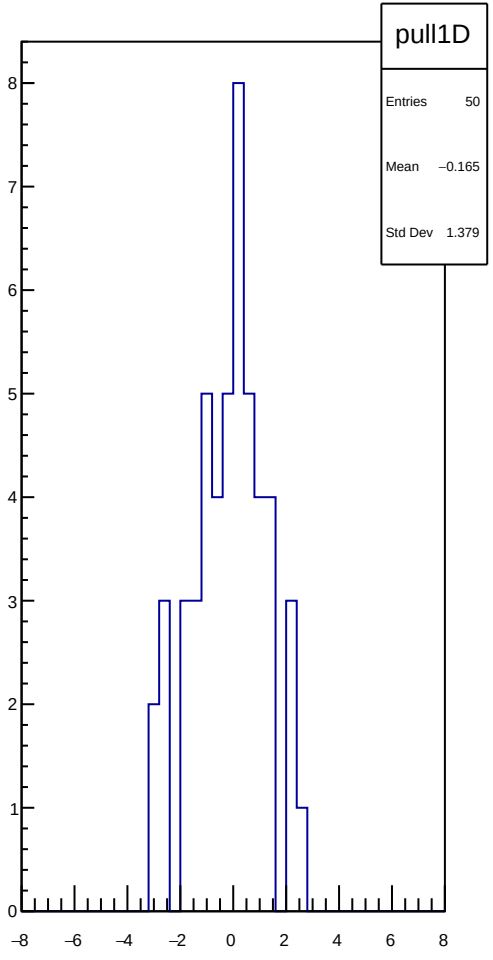

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 124.5 / 49
p0 0.3924 ± 0.01174
pull
Entries 50
Mean 3.857
Std Dev 0
pull1D
Entries 50
Mean 0.161
Std Dev 1.57

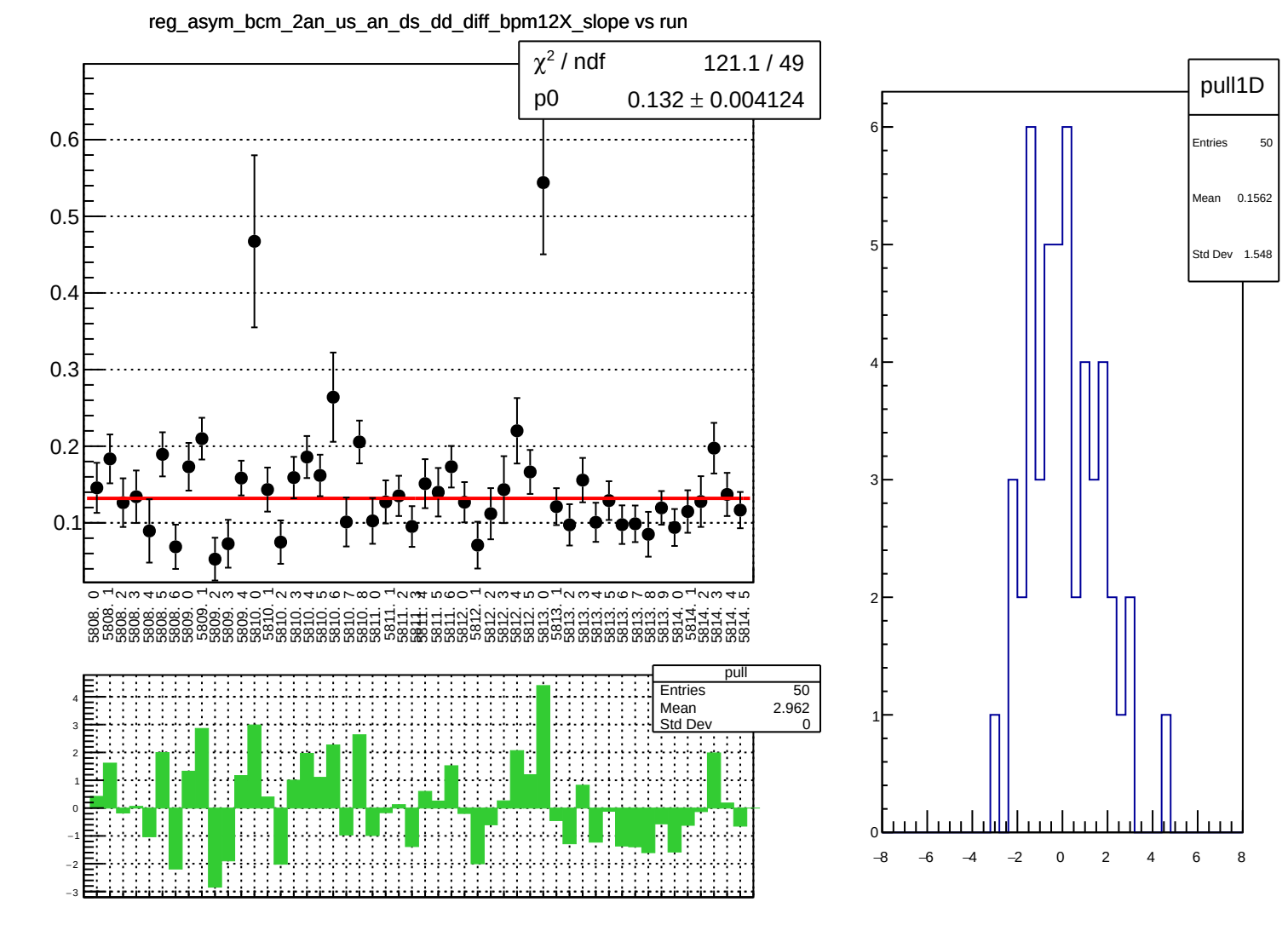

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 110 / 49
p0 0.3868 ± 0.03778
pull
Entries 50
Mean 97.07
Std Dev 0
pull1D
Entries 50
Mean 0.08843
Std Dev 1.481

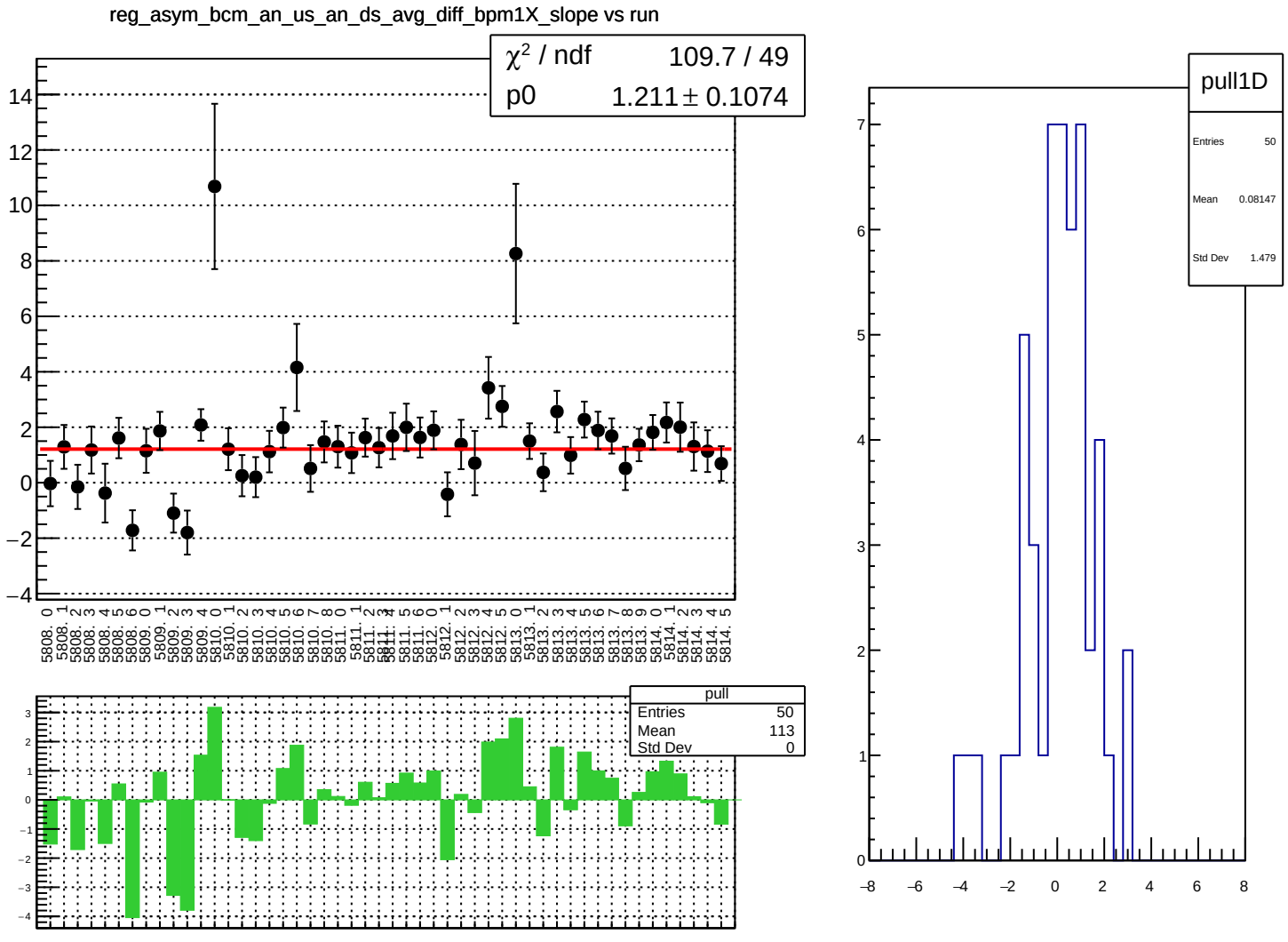

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 93.34 / 49
p0 1.02 ± 0.06021
pull
Entries 50
Mean 41.68
Std Dev 0
pull1D
Entries 50
Mean 0.1571
Std Dev 1.357

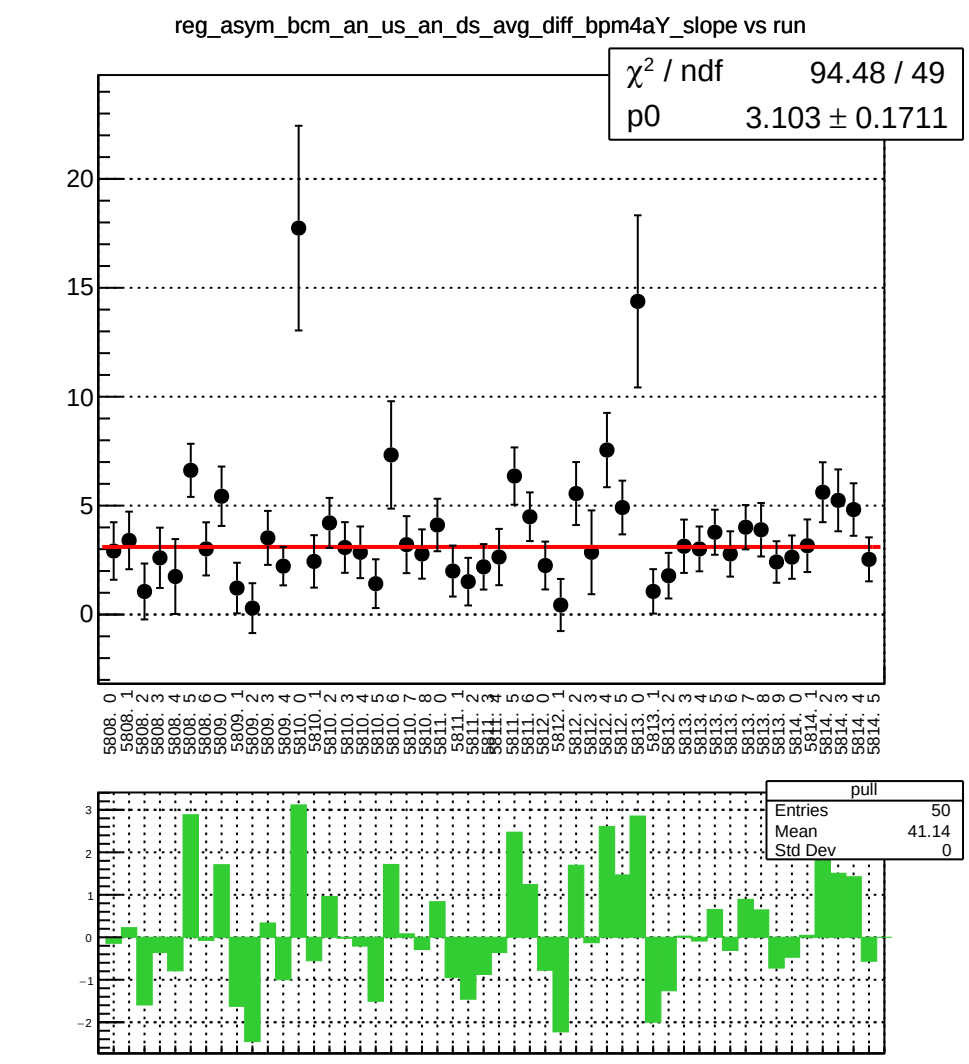

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 107.1 / 49
p0 −0.2828 ± 0.05407
pull
Entries 50
Mean 128.2
Std Dev 0
pull1D
Entries 50
Mean −0.06188
Std Dev 1.462

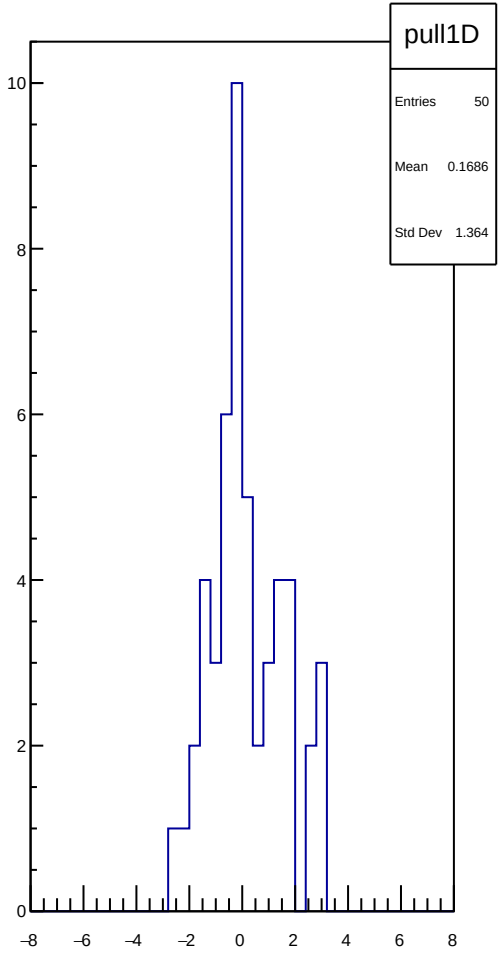

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 96.44 / 49
p0 −1.257 ± 0.06587
pull
Entries 50
Mean 37.35
Std Dev 8.892

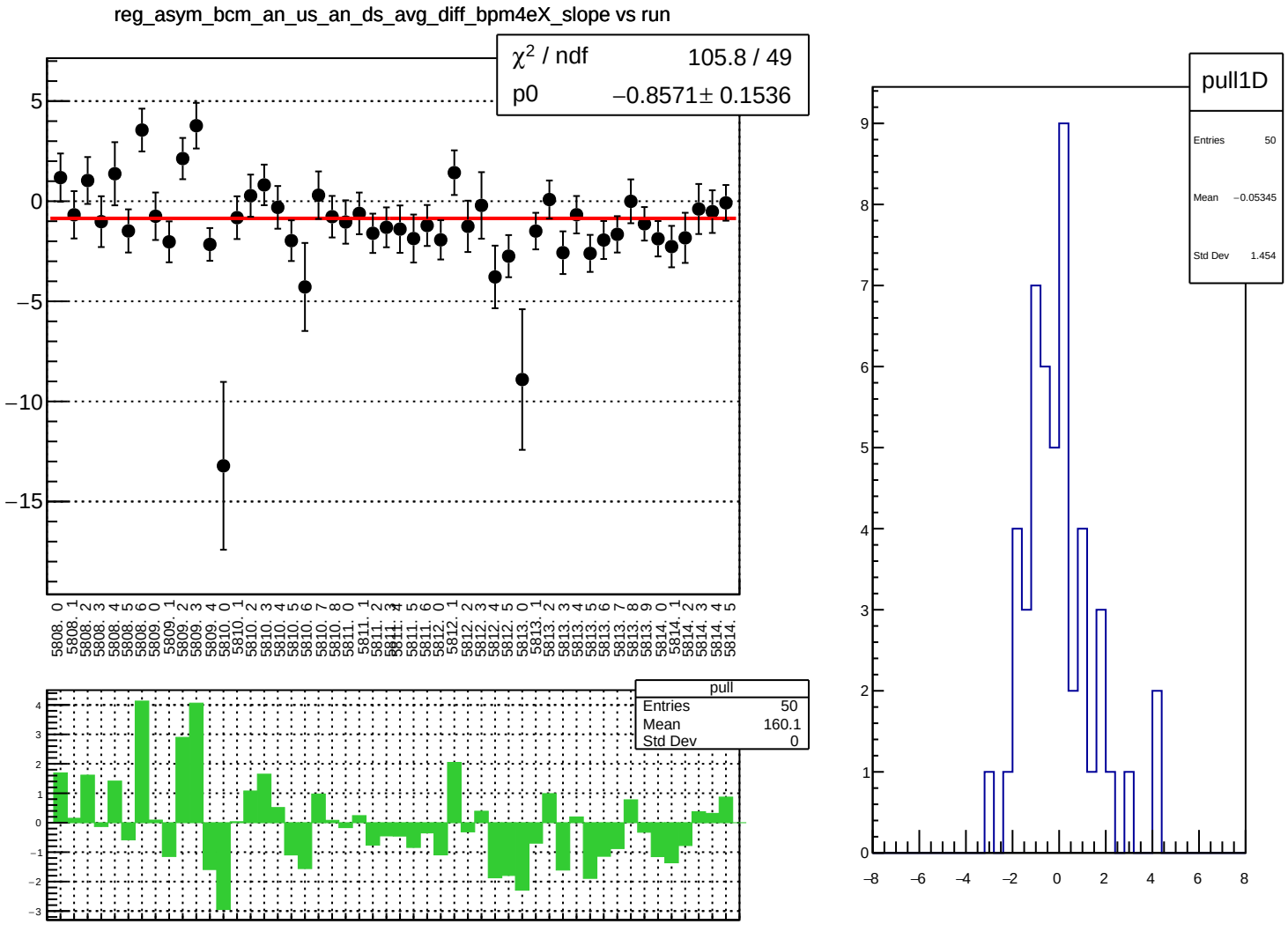

pull1D
Entries 50
Mean −0.165
Std Dev 1.379

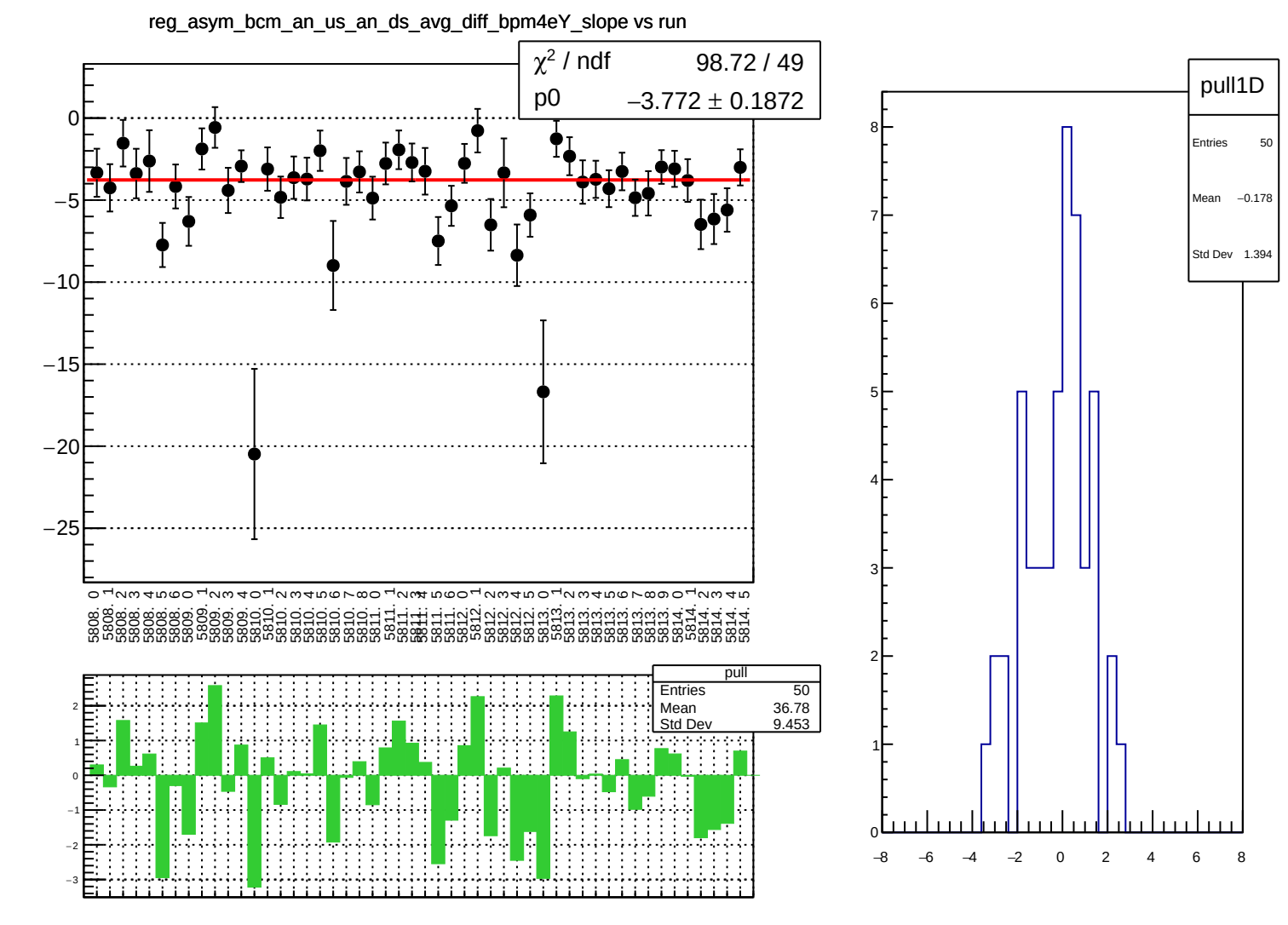

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 121.1 / 49
p0 0.132 ± 0.004124
pull
Entries 50
Mean 2.962
Std Dev 0
pull1D
Entries 50
Mean 0.1562
Std Dev 1.548

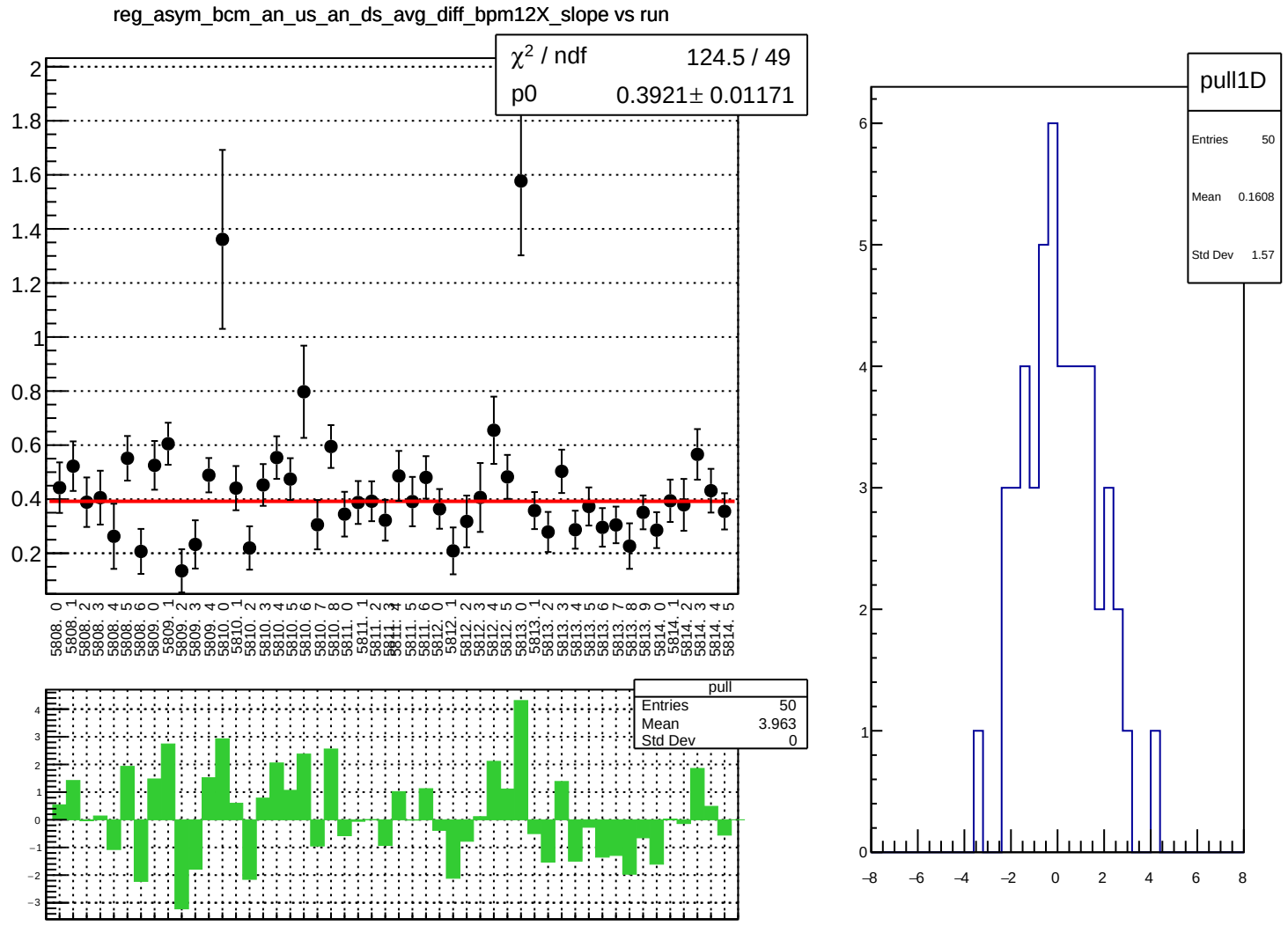

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 109.7 / 49
p0 1.211 ± 0.1074
pull
Entries 50
Mean 113
Std Dev 0
pull1D
Entries 50
Mean 0.08147
Std Dev 1.479

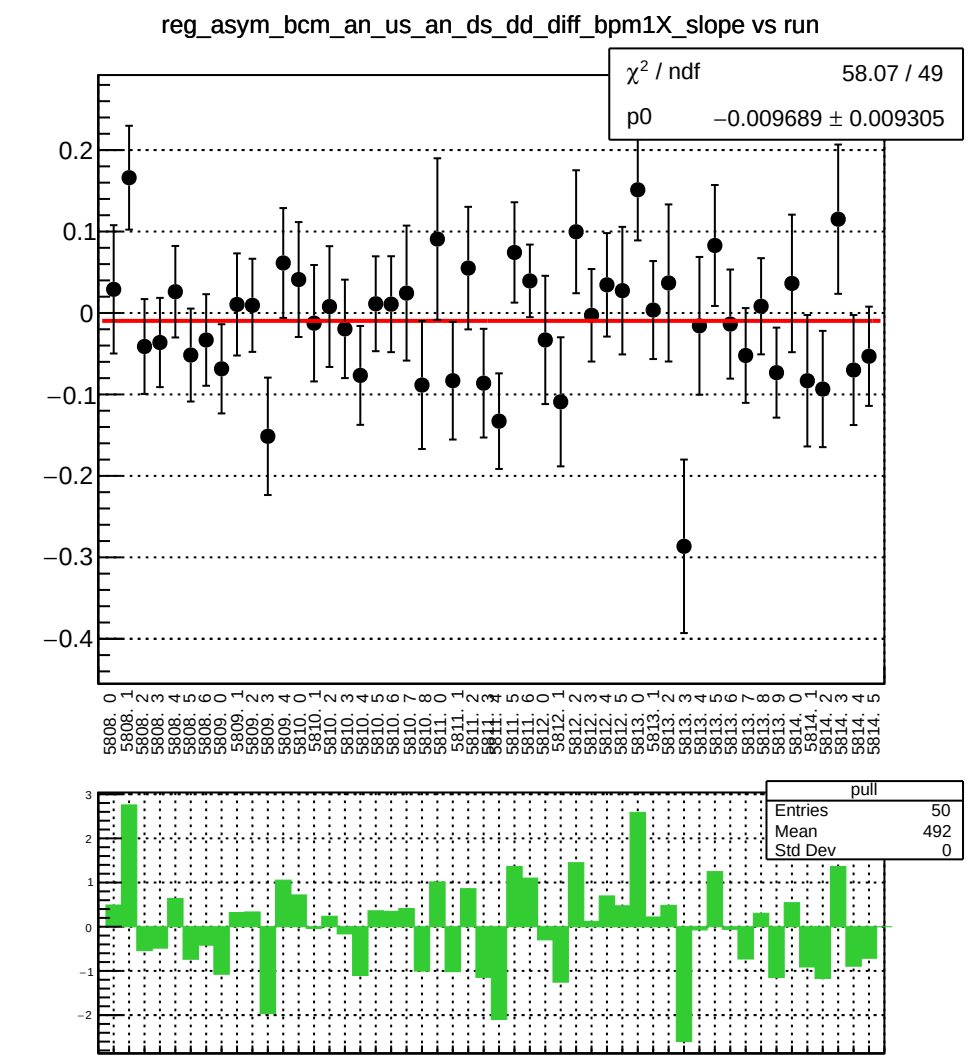

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 94.48 / 49
p0 3.103 ± 0.1711
pull
Entries 50
Mean 41.14
Std Dev 0

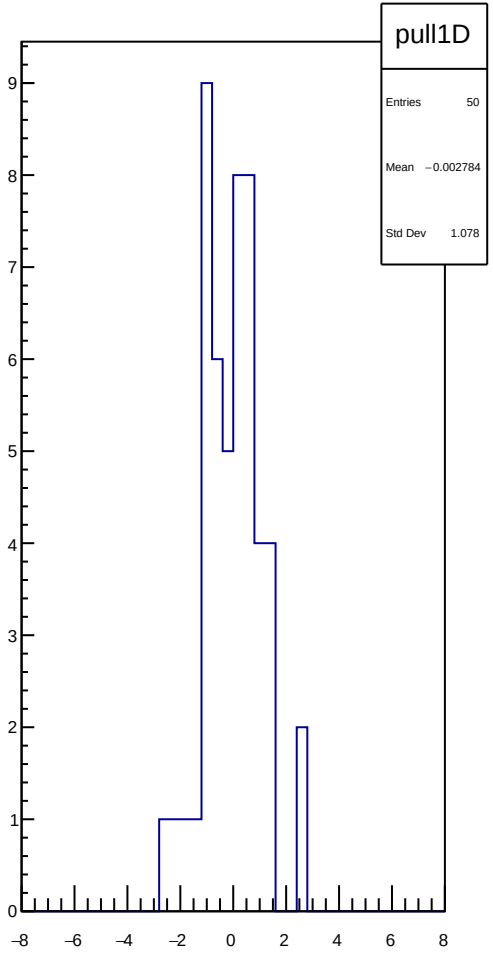

pull1D
Entries 50
Mean 0.1686
Std Dev 1.364

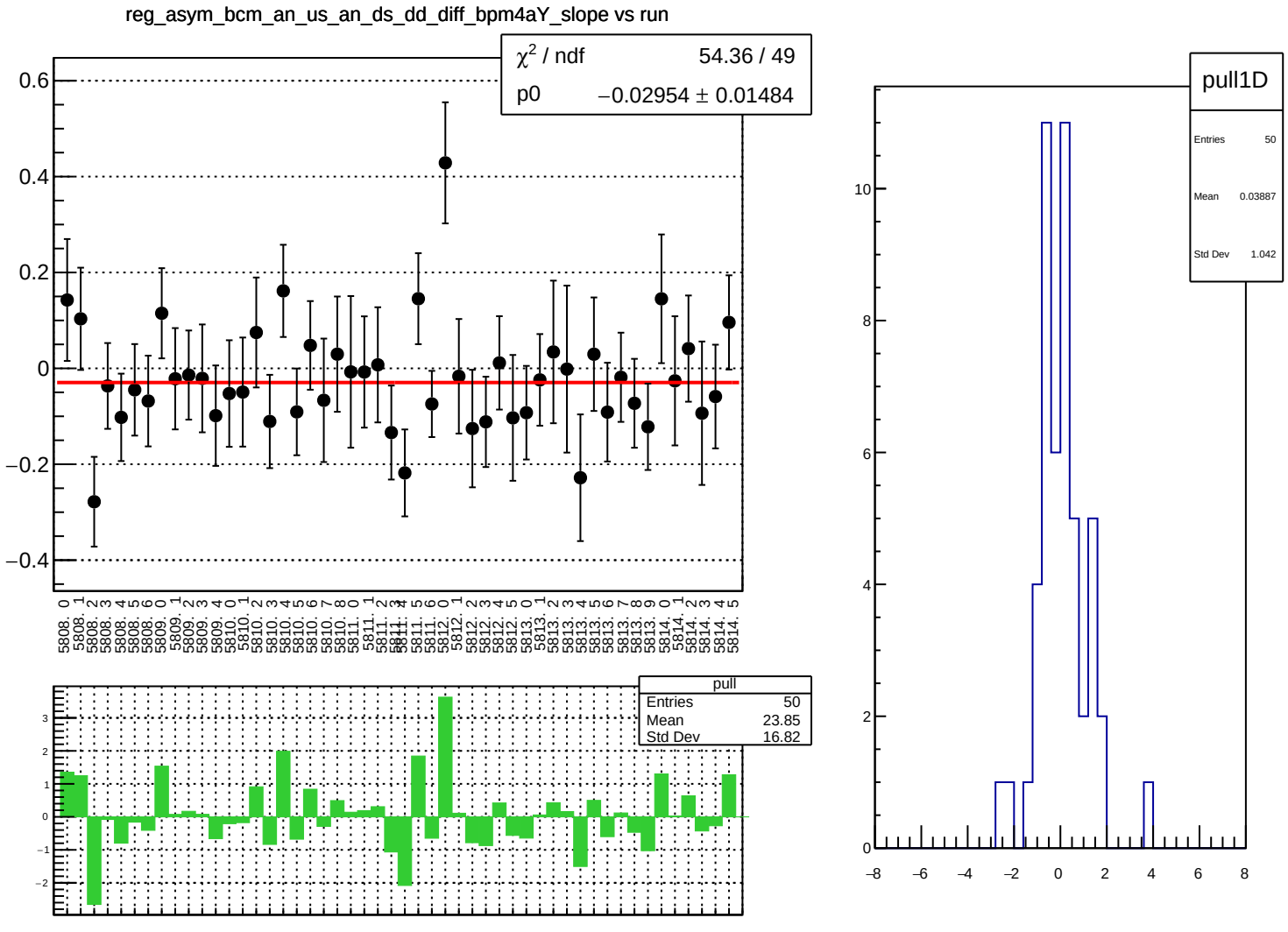

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 105.8 / 49
p0 −0.8571± 0.1536
pull
Entries 50
Mean 160.1
Std Dev 0
pull1D
Entries 50
Mean −0.05345
Std Dev 1.454

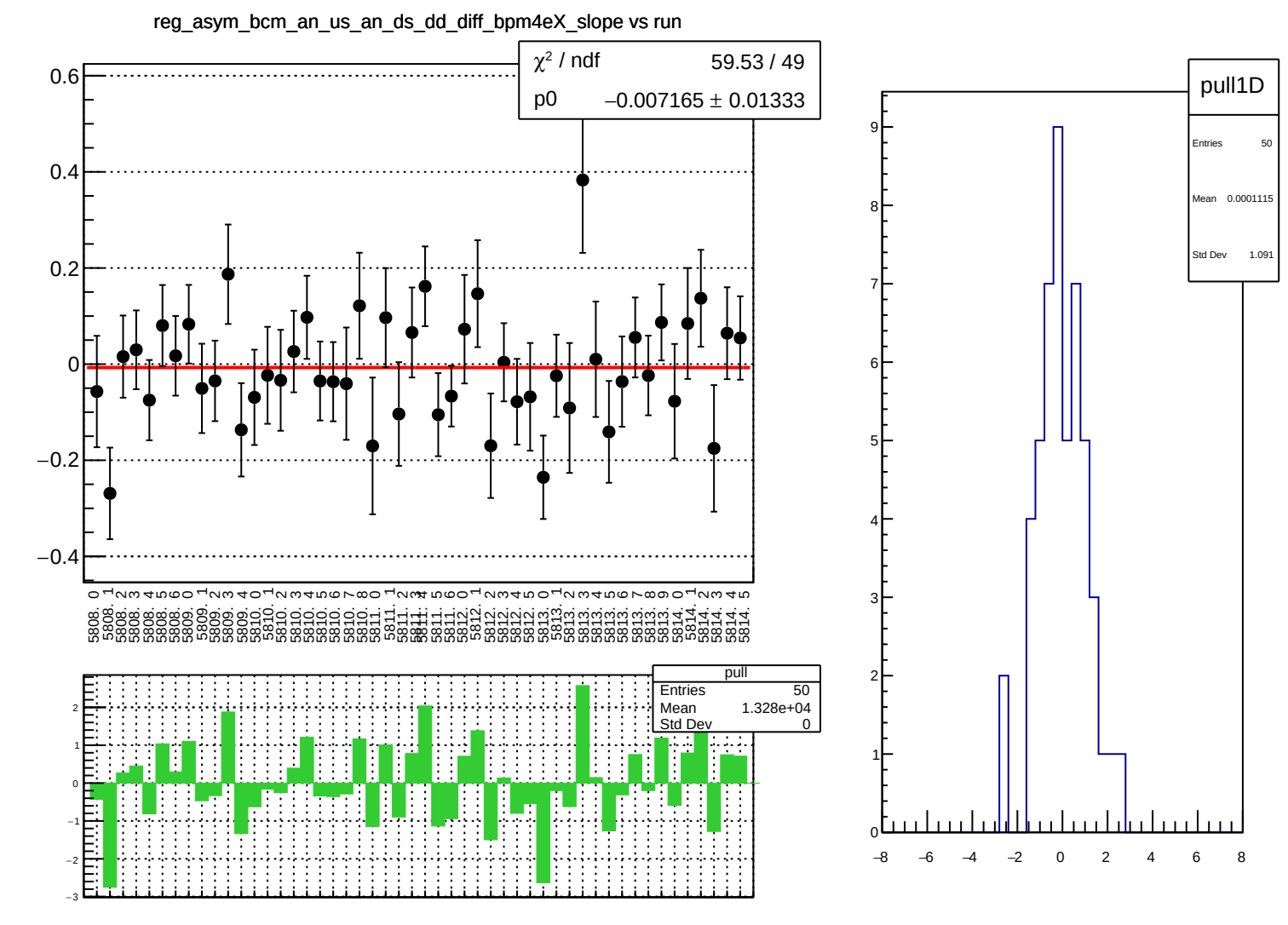

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 98.72 / 49
p0 −3.772 ± 0.1872
pull
Entries 50
Mean 36.78
Std Dev 9.453
pull1D
Entries 50
Mean −0.178
Std Dev 1.394

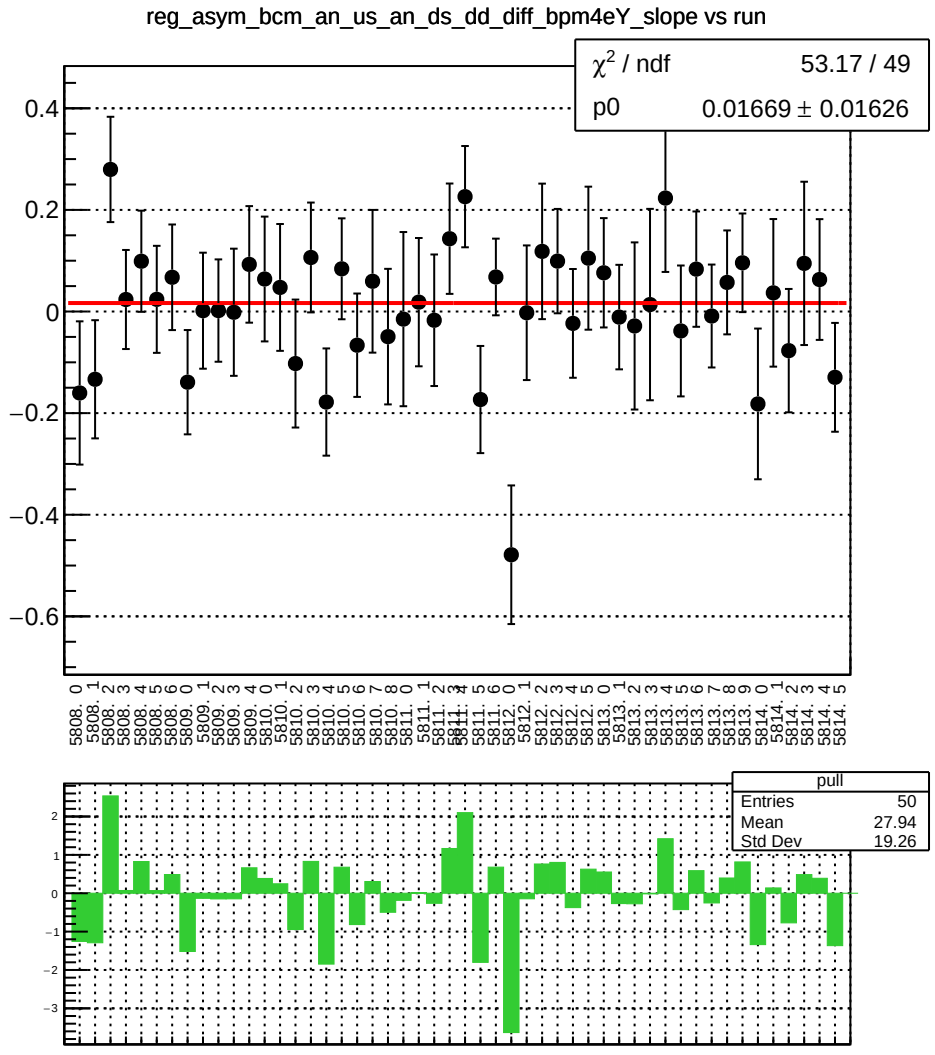

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 124.5 / 49
p0 0.3921± 0.01171
pull
Entries 50
Mean 3.963
Std Dev 0
pull1D
Entries 50
Mean 0.1608
Std Dev 1.57

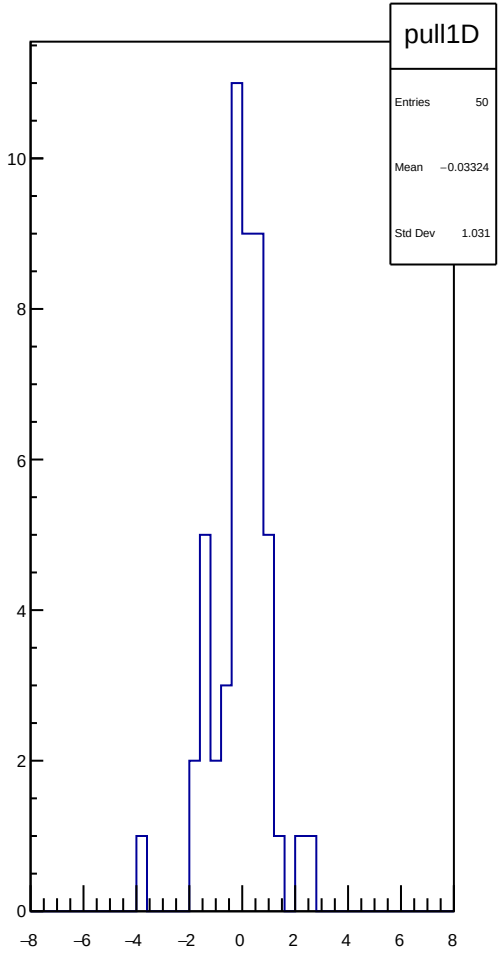

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 58.07 / 49
p0 −0.009689 ± 0.009305
pull
Entries 50
Mean 492
Std Dev 0

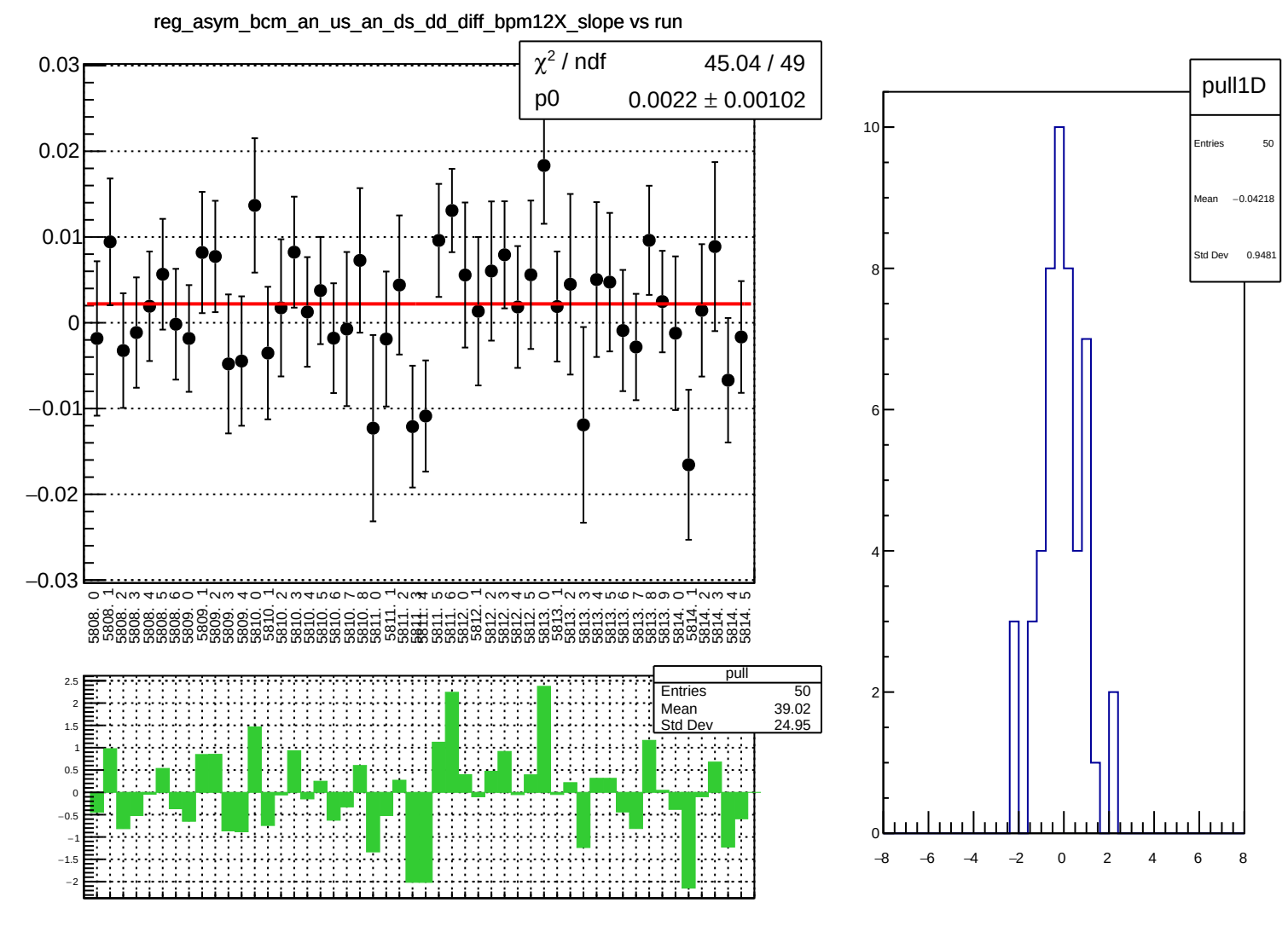

pull1D
Entries 50
Mean −0.002784
Std Dev 1.078

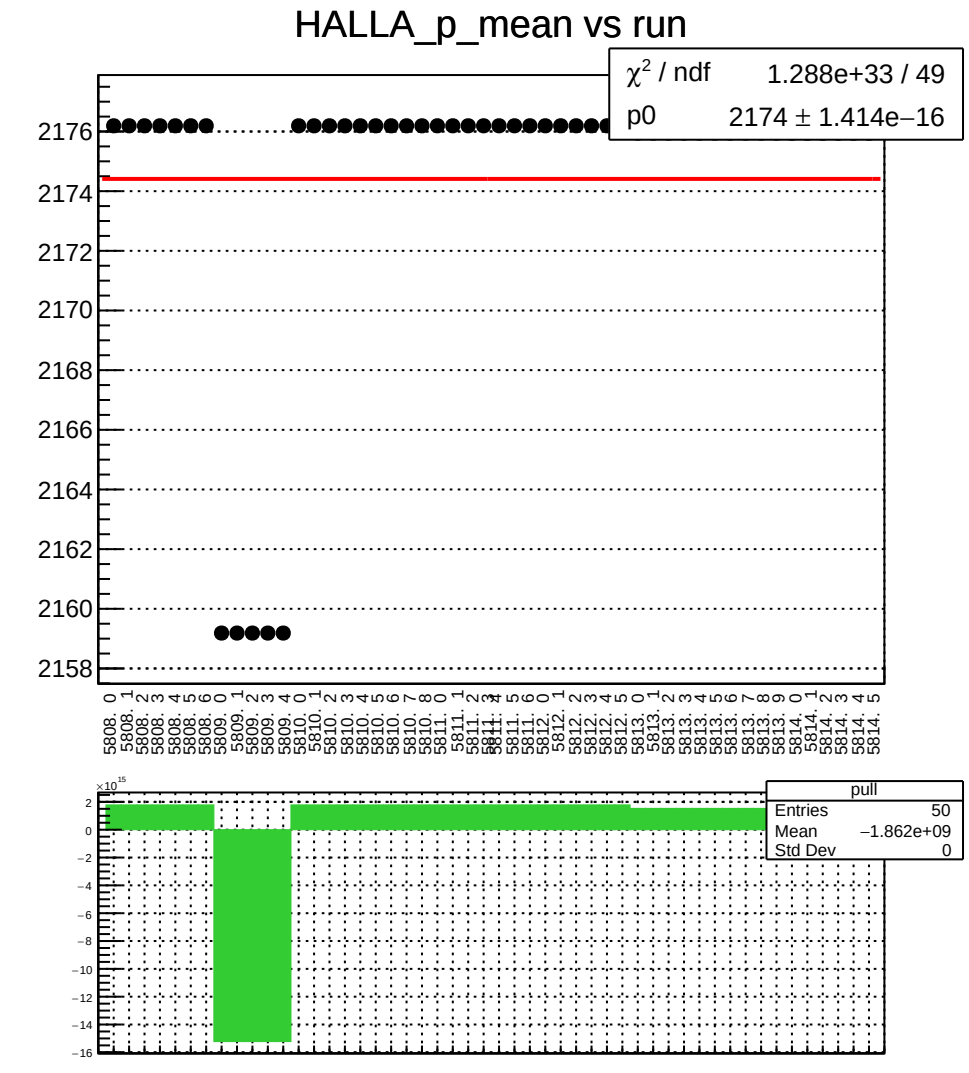

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 54.36 / 49
p0 −0.02954 ± 0.01484
pull
Entries 50
Mean 23.85
Std Dev 16.82
pull1D
Entries 50
Mean 0.03887
Std Dev 1.042

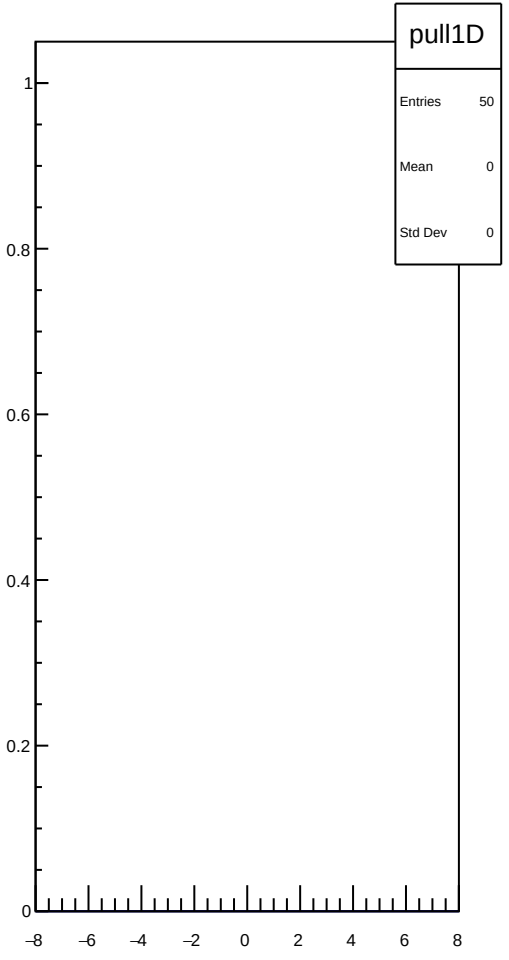

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 59.53 / 49
p0 −0.007165 ± 0.01333
pull
Entries 50
Mean 1.328e+04
Std Dev 0
pull1D
Entries 50
Mean 0.0001115
Std Dev 1.091

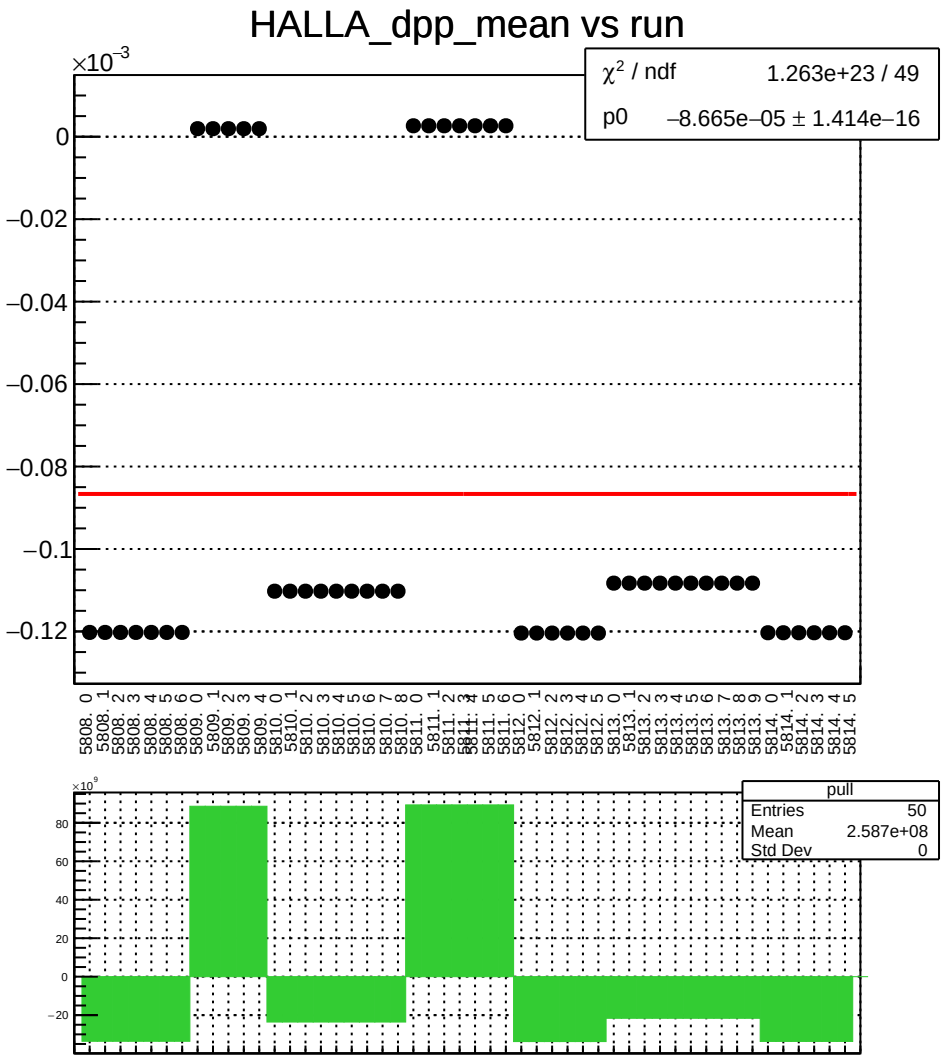

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.17 / 49
p0 0.01669 ± 0.01626
pull
Entries 50
Mean 27.94
Std Dev 19.26

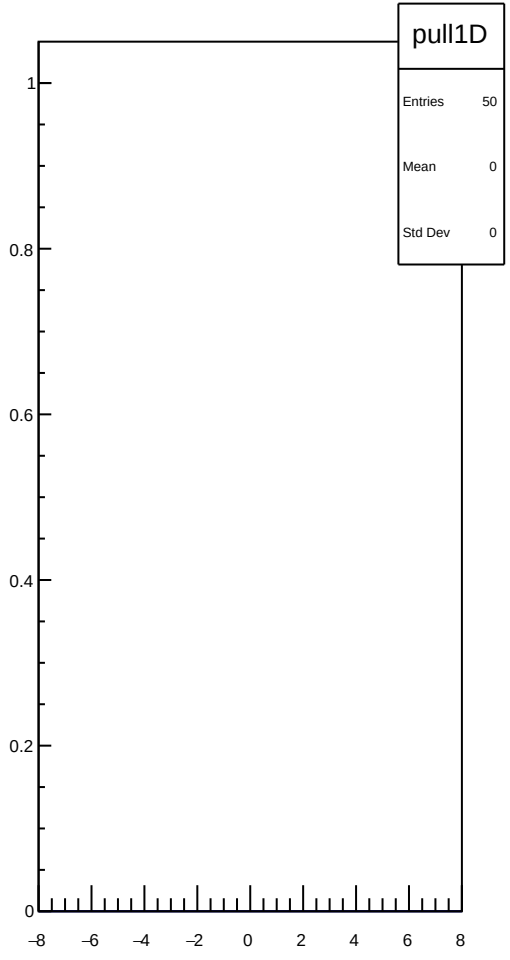

pull1D
Entries 50
Mean −0.03324
Std Dev 1.031

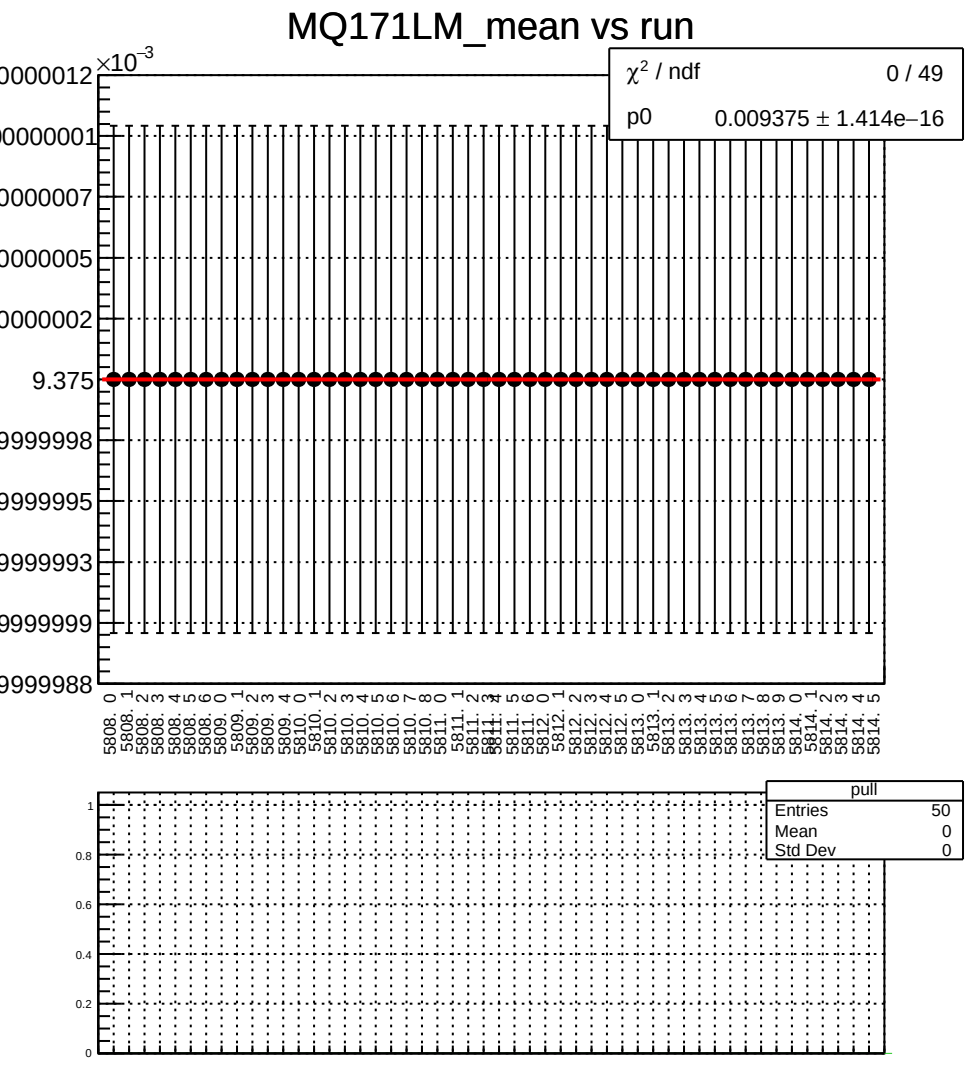

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 45.04 / 49
p0 0.0022 ± 0.00102
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5809. 5
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 39.02
Std Dev 24.95
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 50
Mean −0.04218
Std Dev 0.9481
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

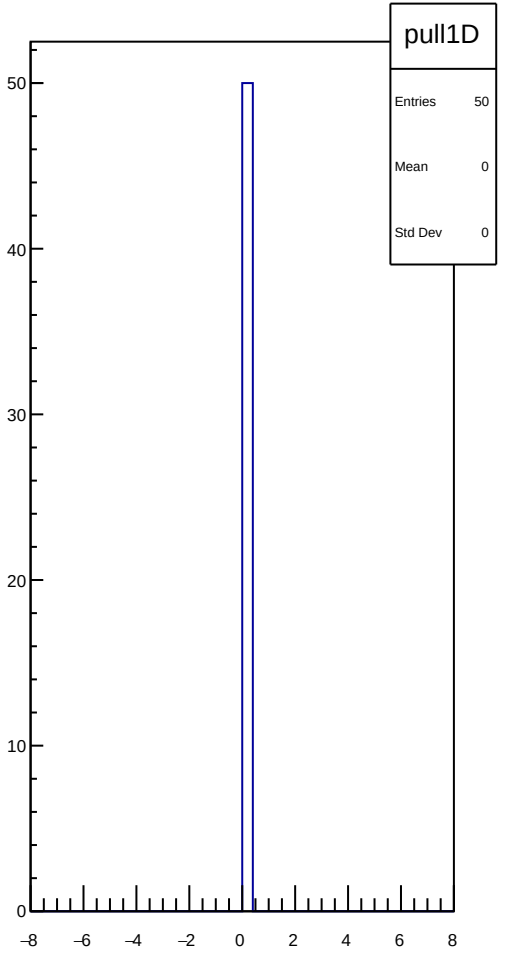

HALLA_p_mean vs run
χ² / ndf 1.288e+33 / 49
p0 2174 ± 1.414e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
pull
Entries 50
Mean −1.862e+09
Std Dev 0
×10¹⁵
2
0
−2
−4
−6
−8
−10
−12
−14
−16

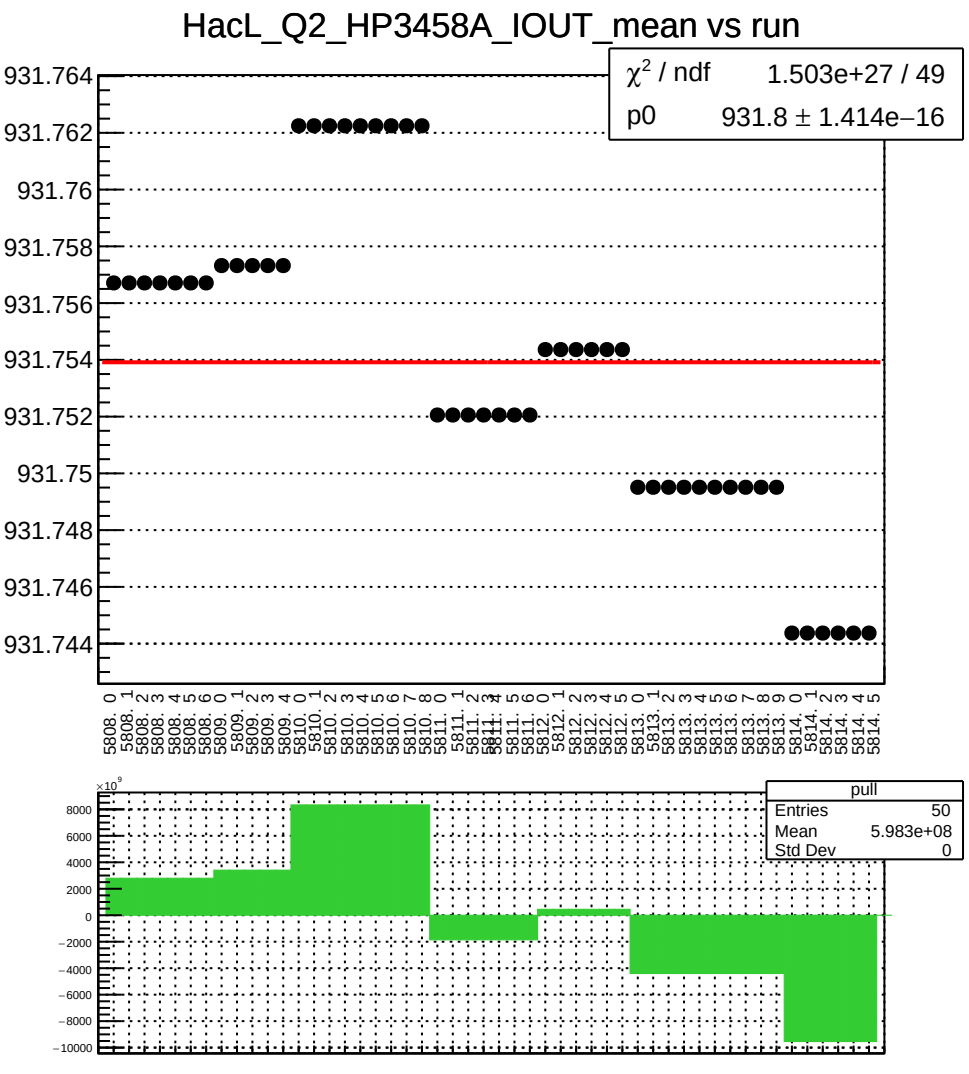

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

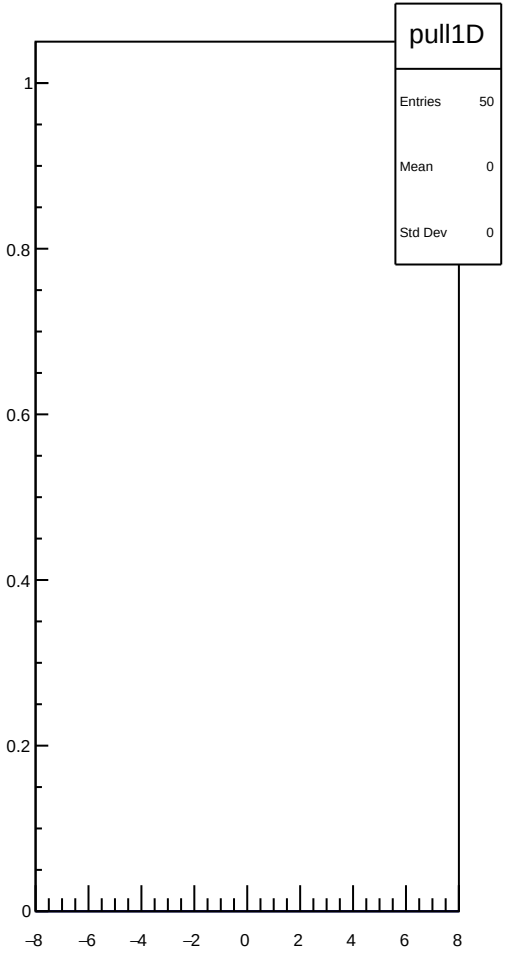

HALLA_dpp_mean vs run
χ² / ndf 1.263e+23 / 49
p0 −8.665e−05 ± 1.414e−16
×10⁻³
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
pull
Entries 50
Mean 2.587e+08
Std Dev 0
×10⁹
80
60
40
20
0
−20

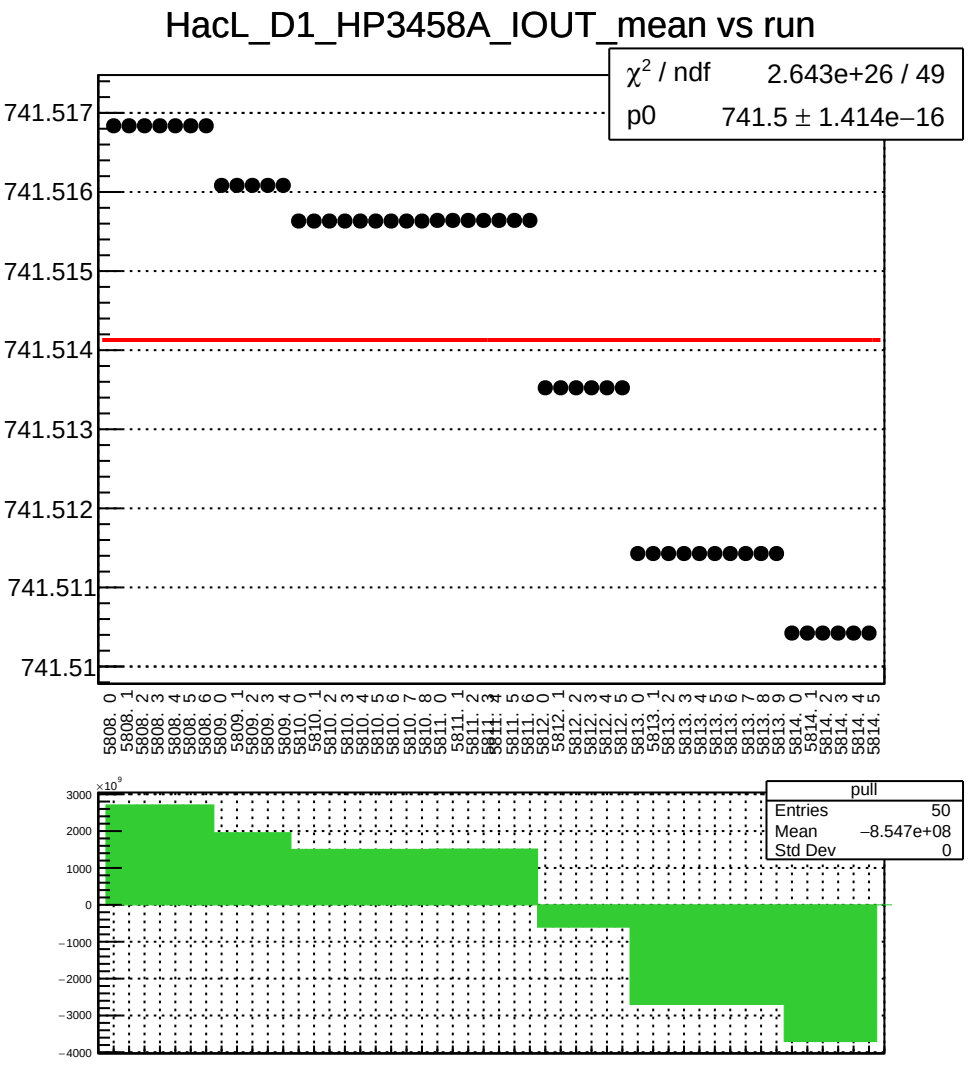

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

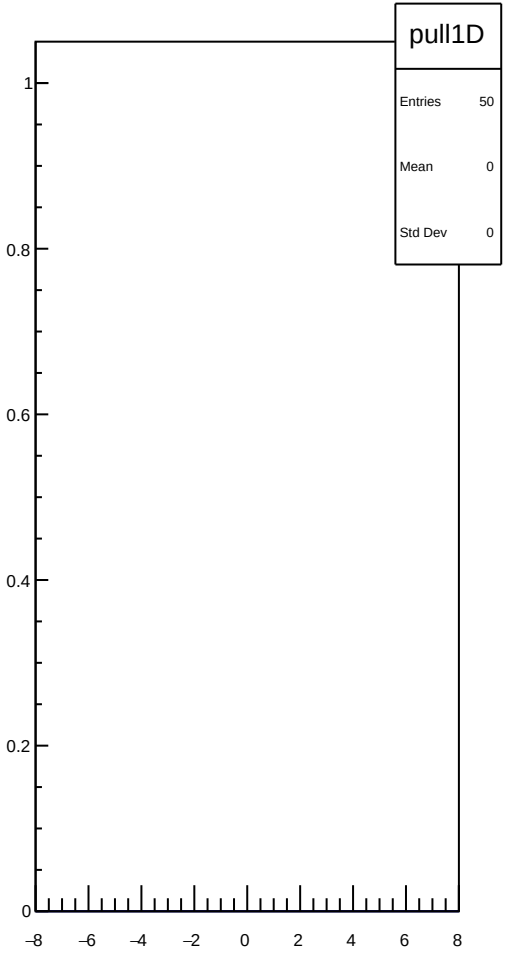

MQ171LM_mean vs run
×10⁻³
χ² / ndf 0 / 49
p0 0.009375 ± 1.414e−16
9.375
pull
Entries 50
Mean 0
Std Dev 0

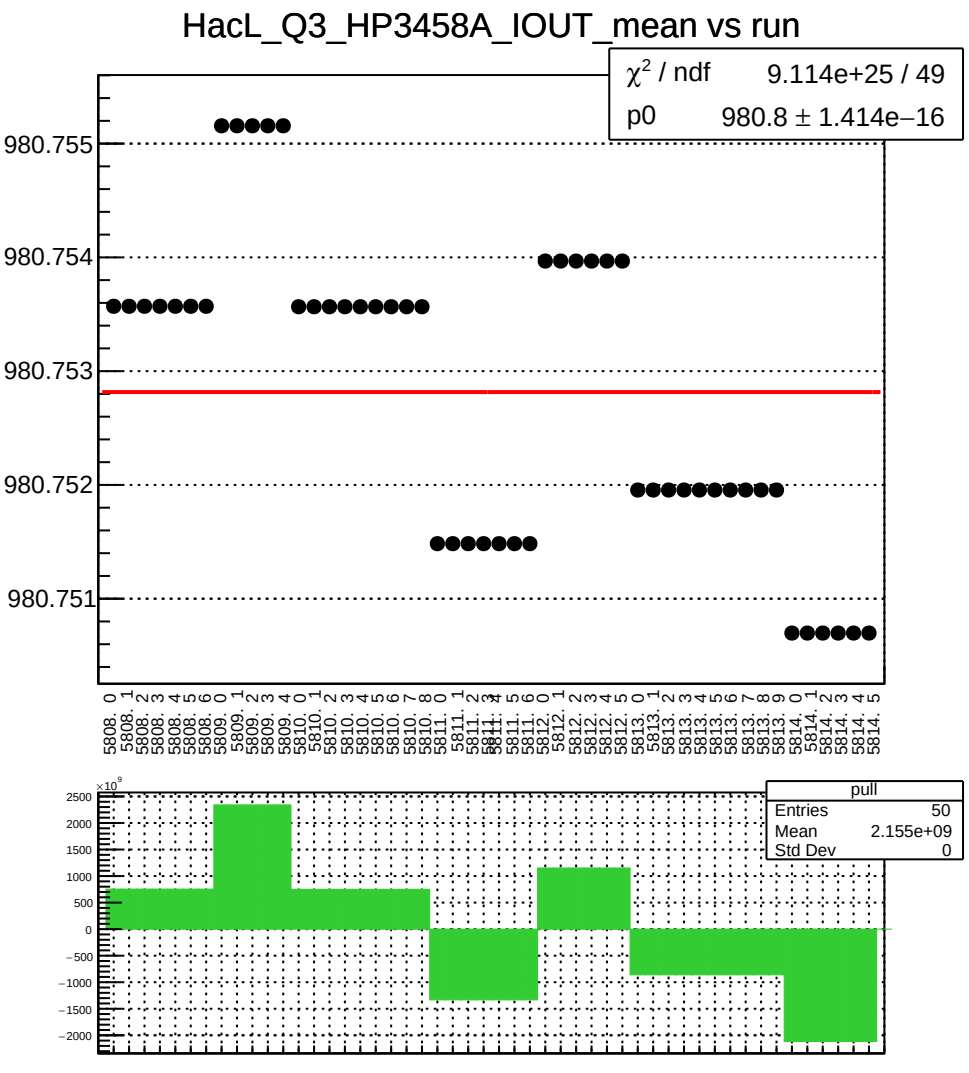

pull1D
Entries 50
Mean 0
Std Dev 0

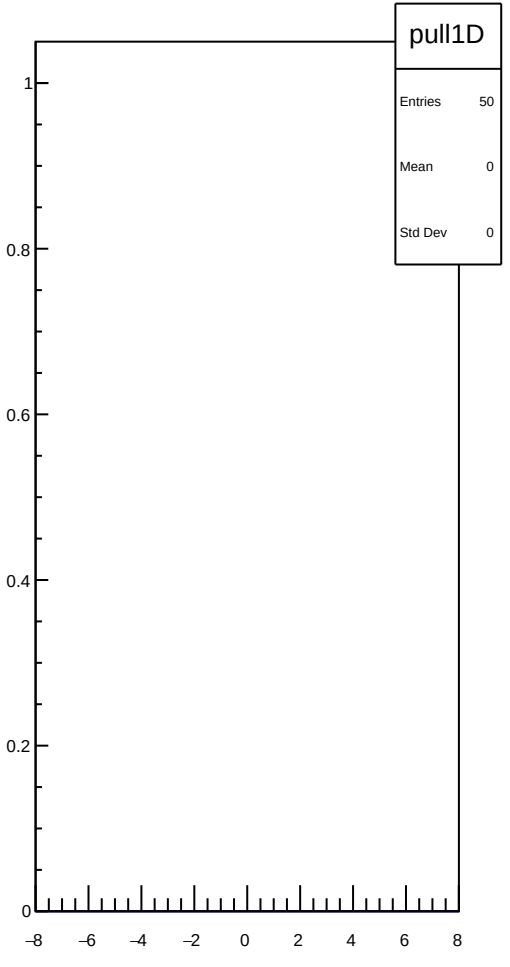

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.503e+27 / 49
p0 931.8 ± 1.414e−16
931.764
931.762
931.76
931.758
931.756
931.754
931.752
931.75
931.748
931.746
931.744
pull
Entries 50
Mean 5.983e+08
Std Dev 0
×10⁹
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000

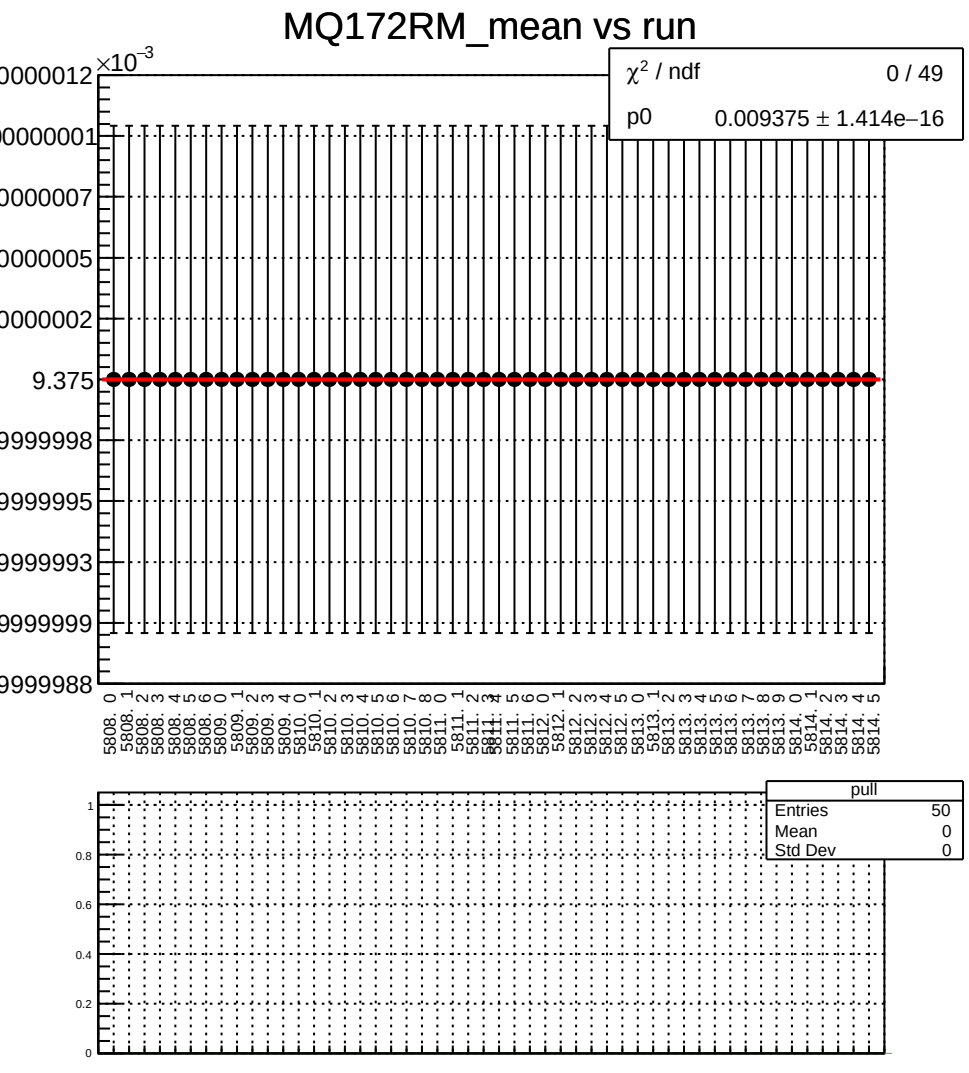

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

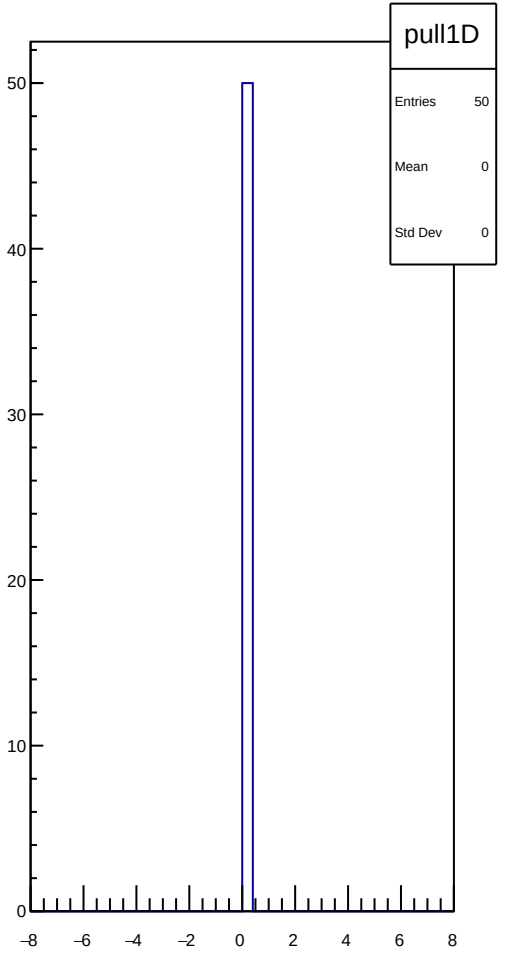

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 2.643e+26 / 49
p0 741.5 ± 1.414e−16
741.517
741.516
741.515
741.514
741.513
741.512
741.511
741.51
pull
Entries 50
Mean −8.547e+08
Std Dev 0
×10⁹
3000
2000
1000
0
−1000
−2000
−3000
−4000

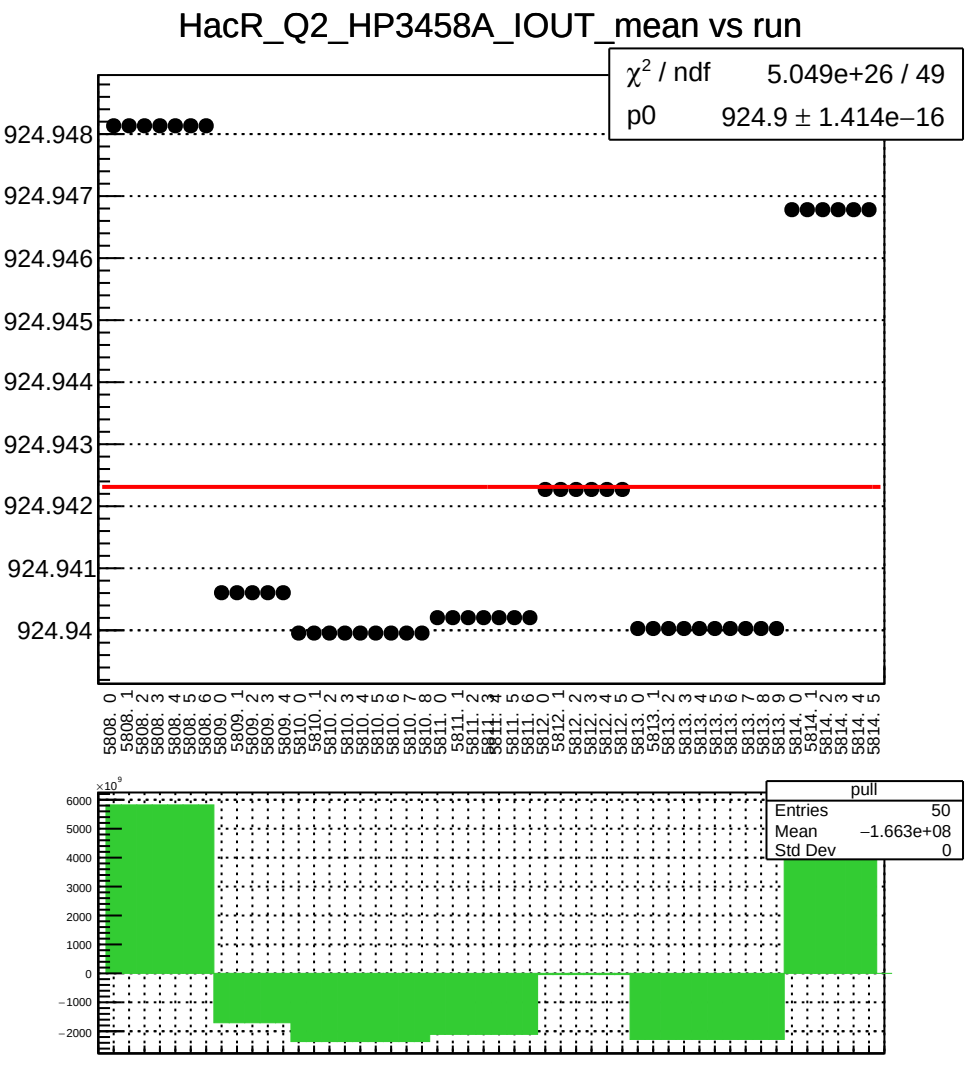

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

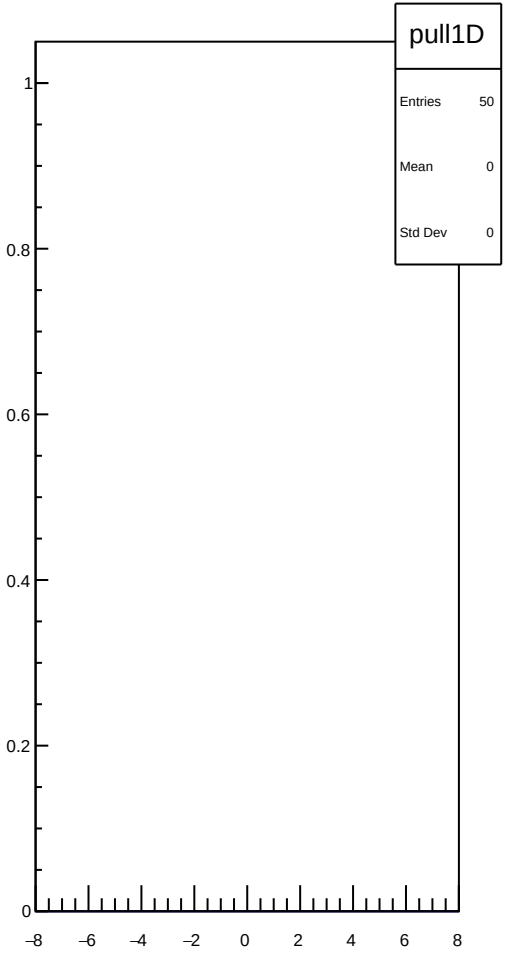

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 9.114e+25 / 49
p0 980.8 ± 1.414e−16
980.755
980.754
980.753
980.752
980.751
pull
Entries 50
Mean 2.155e+09
Std Dev 0
×10⁹
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000

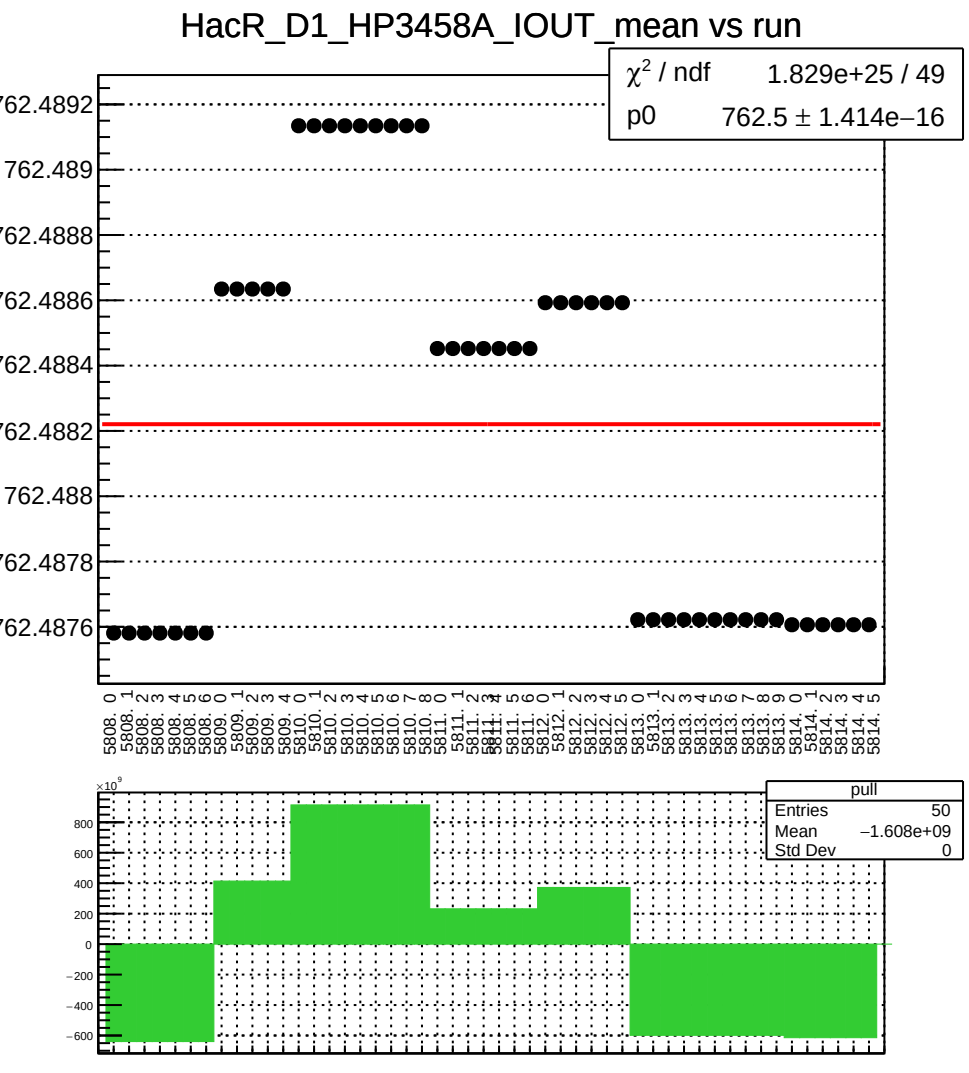

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

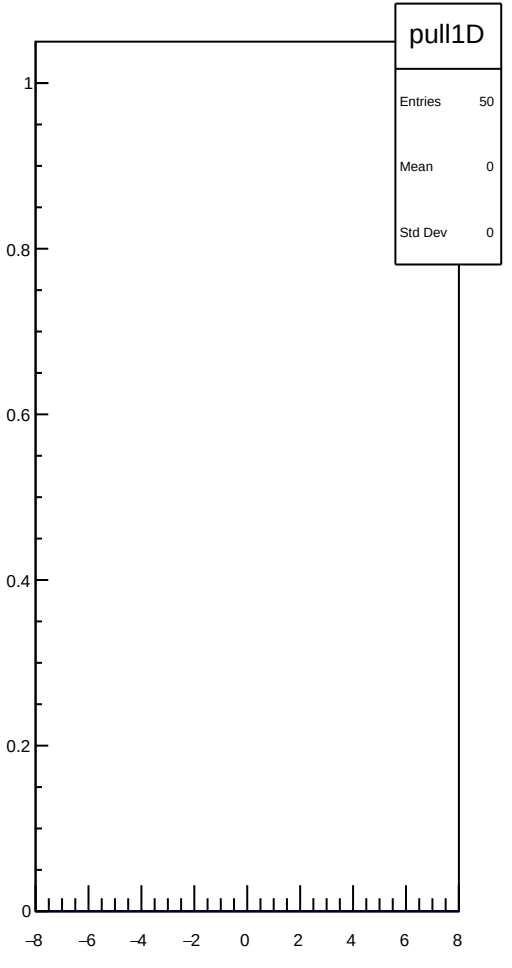

MQ172RM_mean vs run
×10⁻³
χ² / ndf 0 / 49
p0 0.009375 ± 1.414e−16
9.375
pull
Entries 50
Mean 0
Std Dev 0

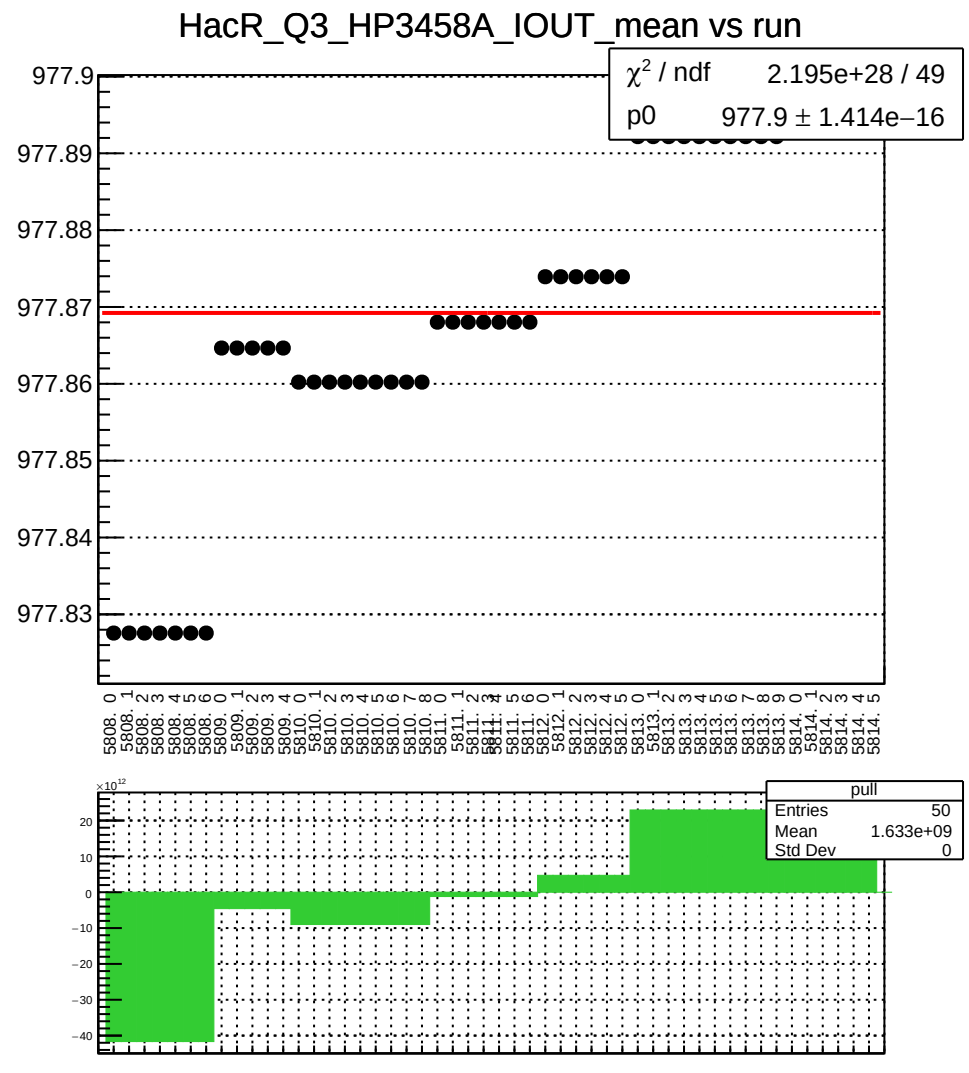

pull1D
Entries 50
Mean 0
Std Dev 0

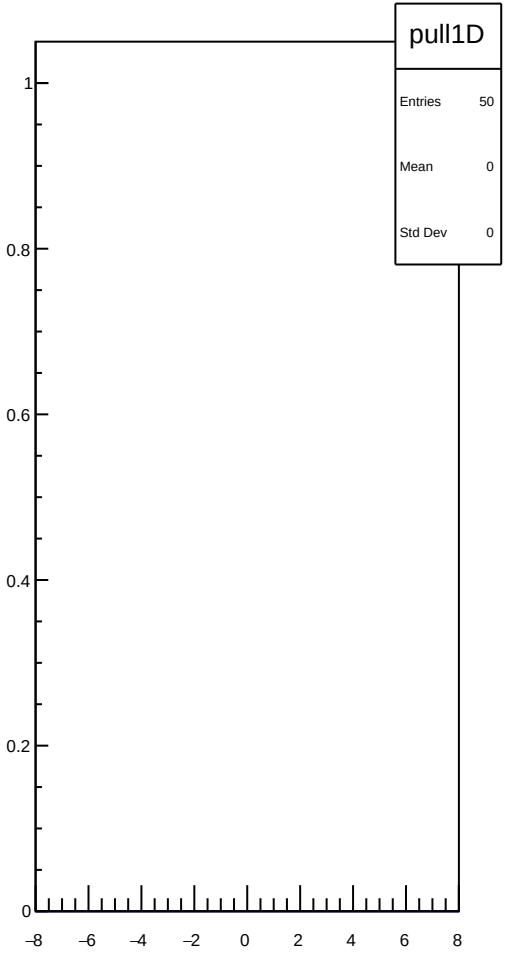

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 5.049e+26 / 49
p0 924.9 ± 1.414e−16
924.948
924.947
924.946
924.945
924.944
924.943
924.942
924.941
924.94
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
×10⁹
6000
5000
4000
3000
2000
1000
0
−1000
−2000
pull
Entries 50
Mean −1.663e+08
Std Dev 0

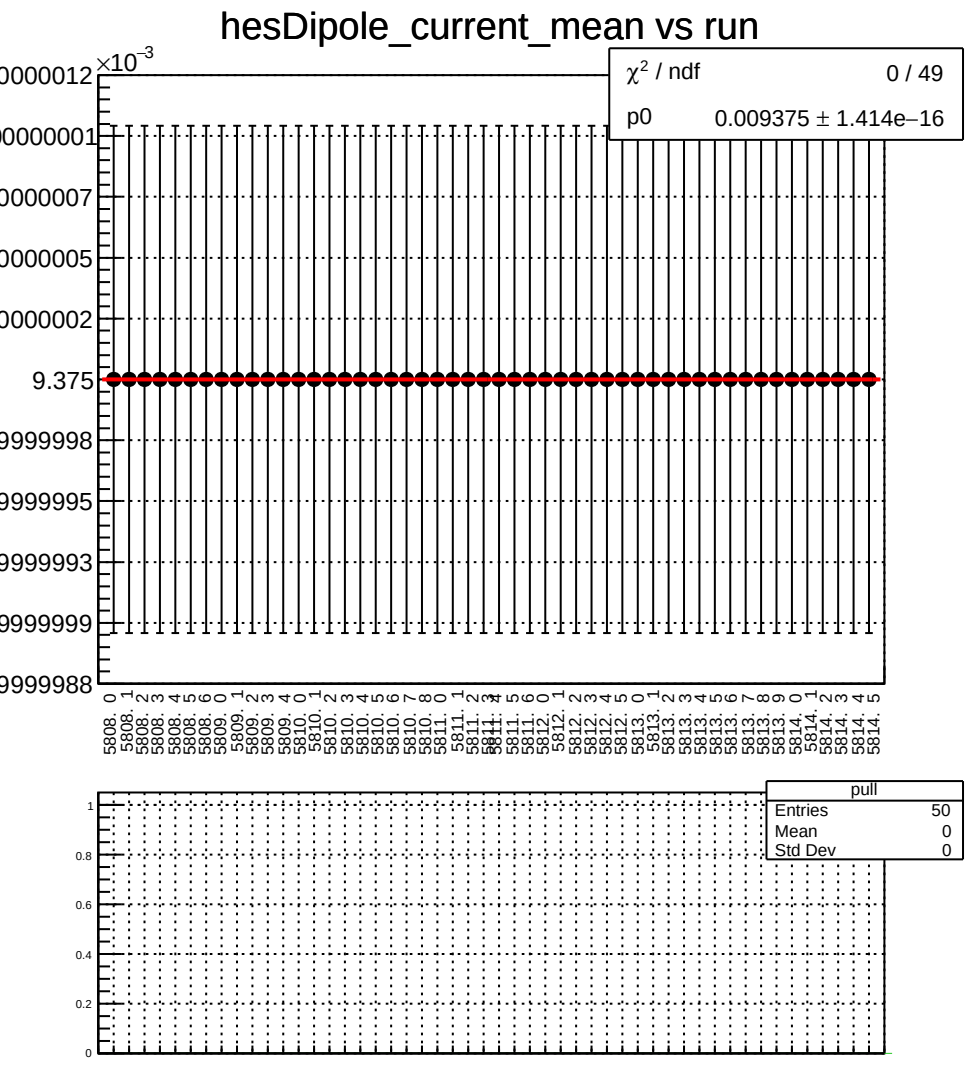

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

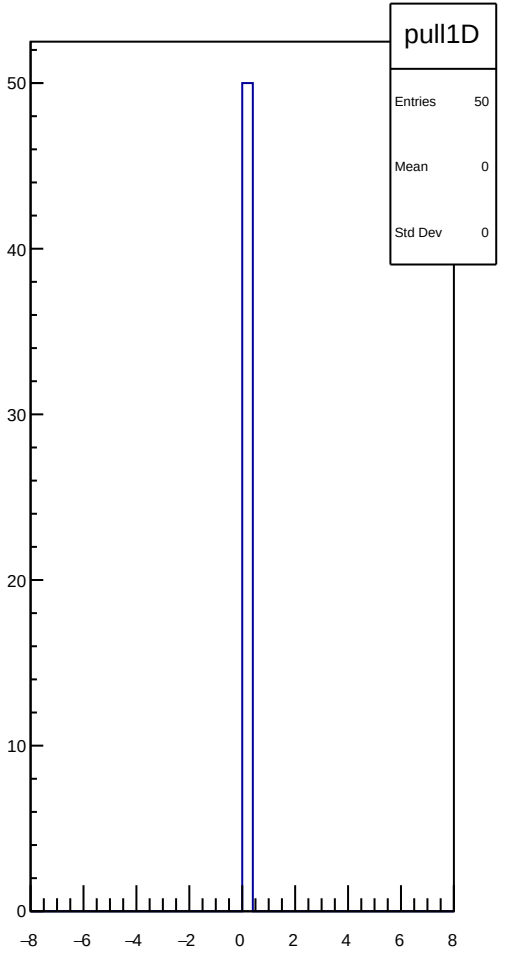

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 1.829e+25 / 49
p0 762.5 ± 1.414e−16
762.4892
762.489
762.4888
762.4886
762.4884
762.4882
762.488
762.4878
762.4876
pull
Entries 50
Mean −1.608e+09
Std Dev 0
×10⁹
800
600
400
200
0
−200
−400
−600

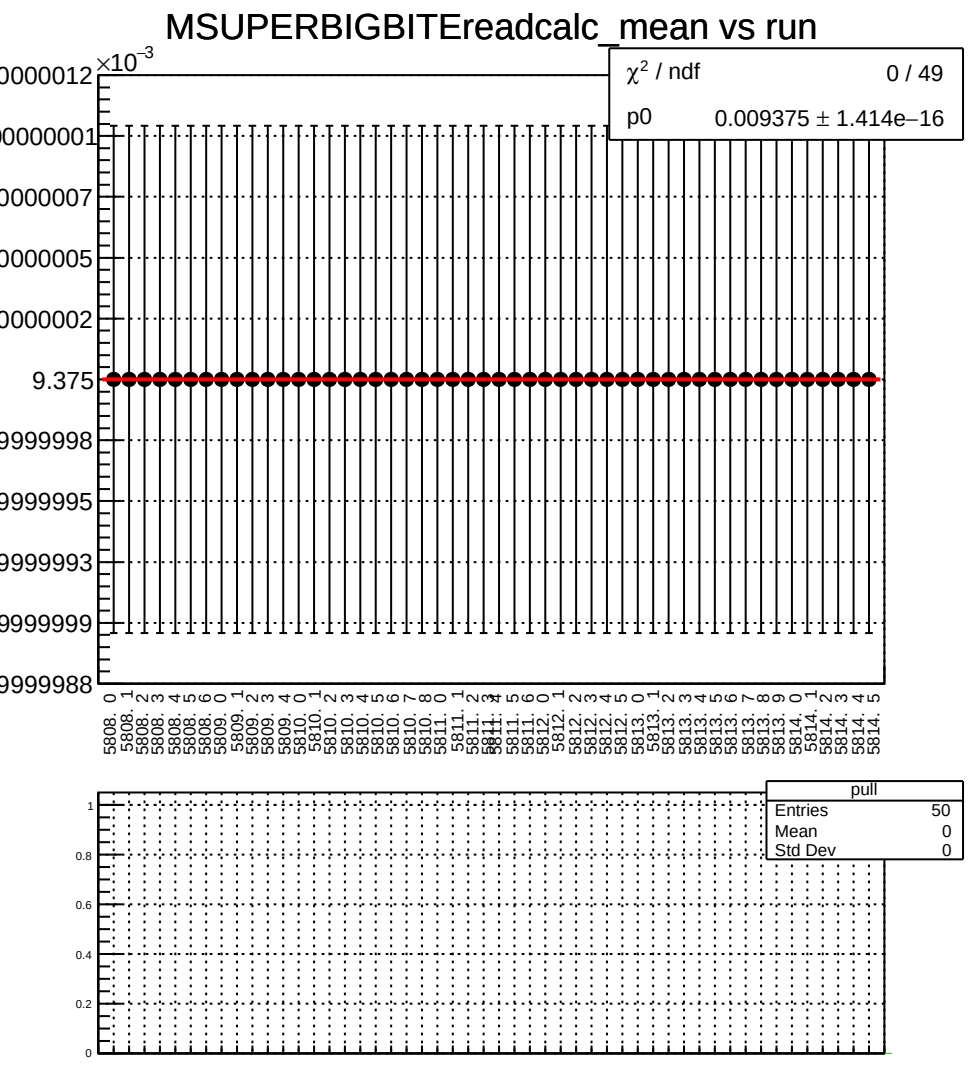

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

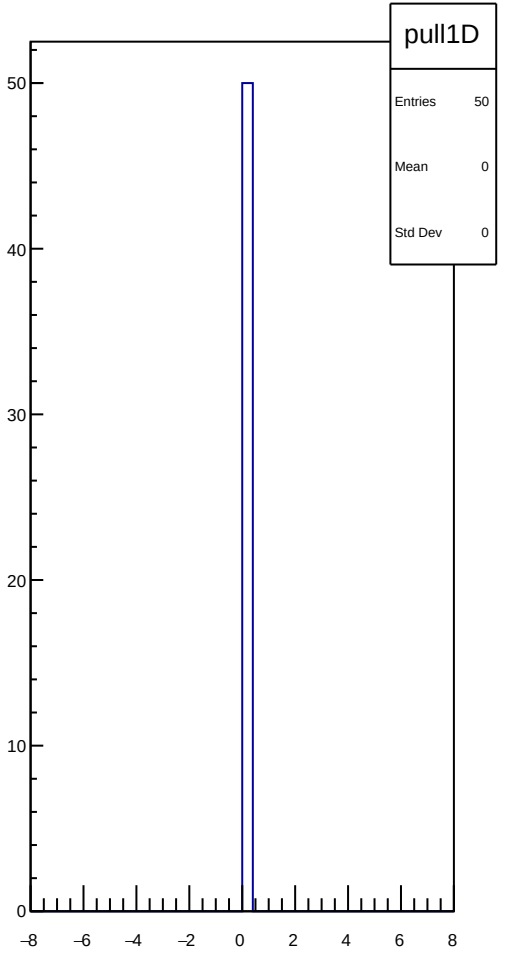

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.195e+28 / 49
p0 977.9 ± 1.414e−16
977.9
977.89
977.88
977.87
977.86
977.85
977.84
977.83
pull
Entries 50
Mean 1.633e+09
Std Dev 0
×10¹²
20
10
0
−10
−20
−30
−40

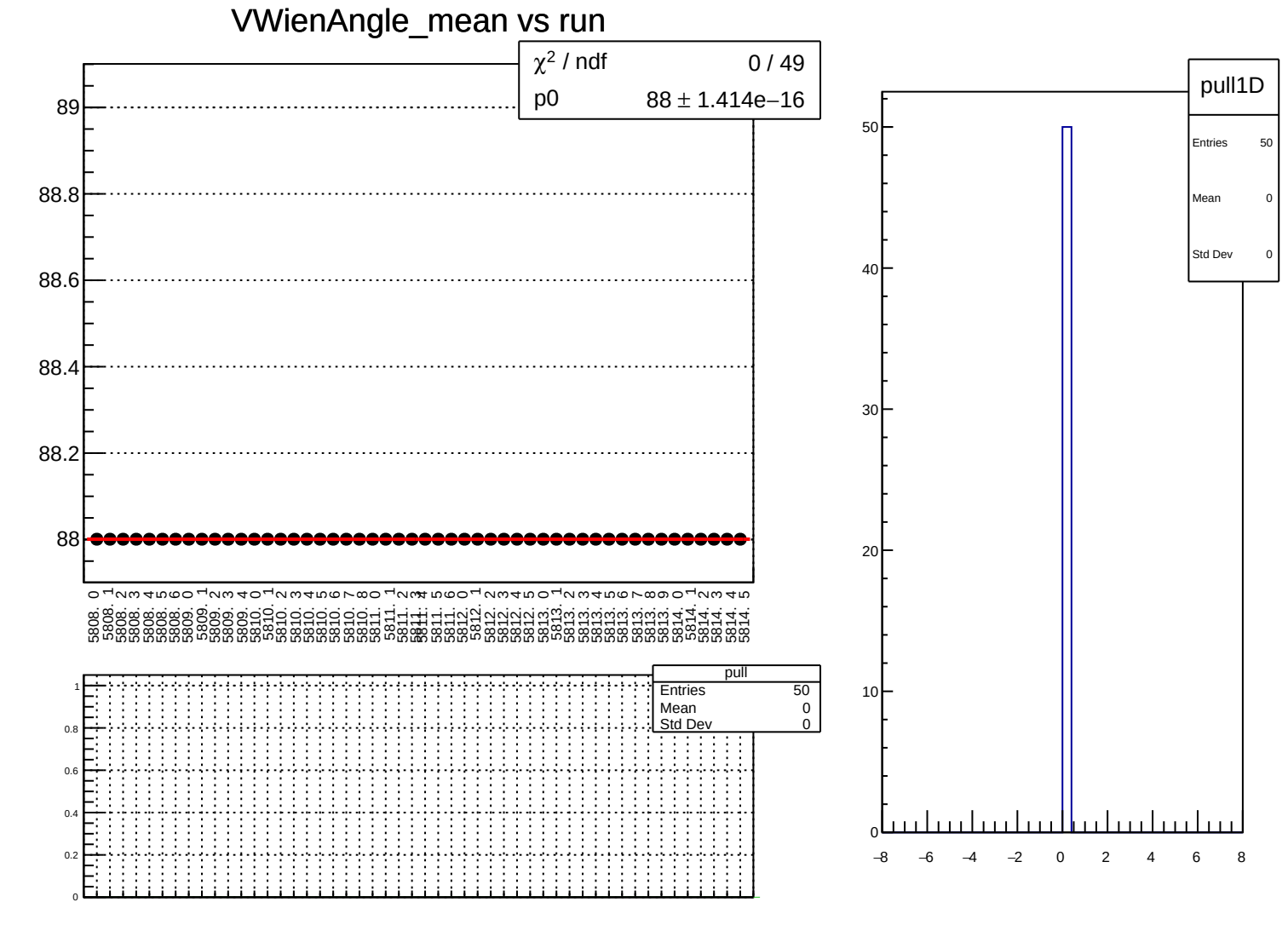

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

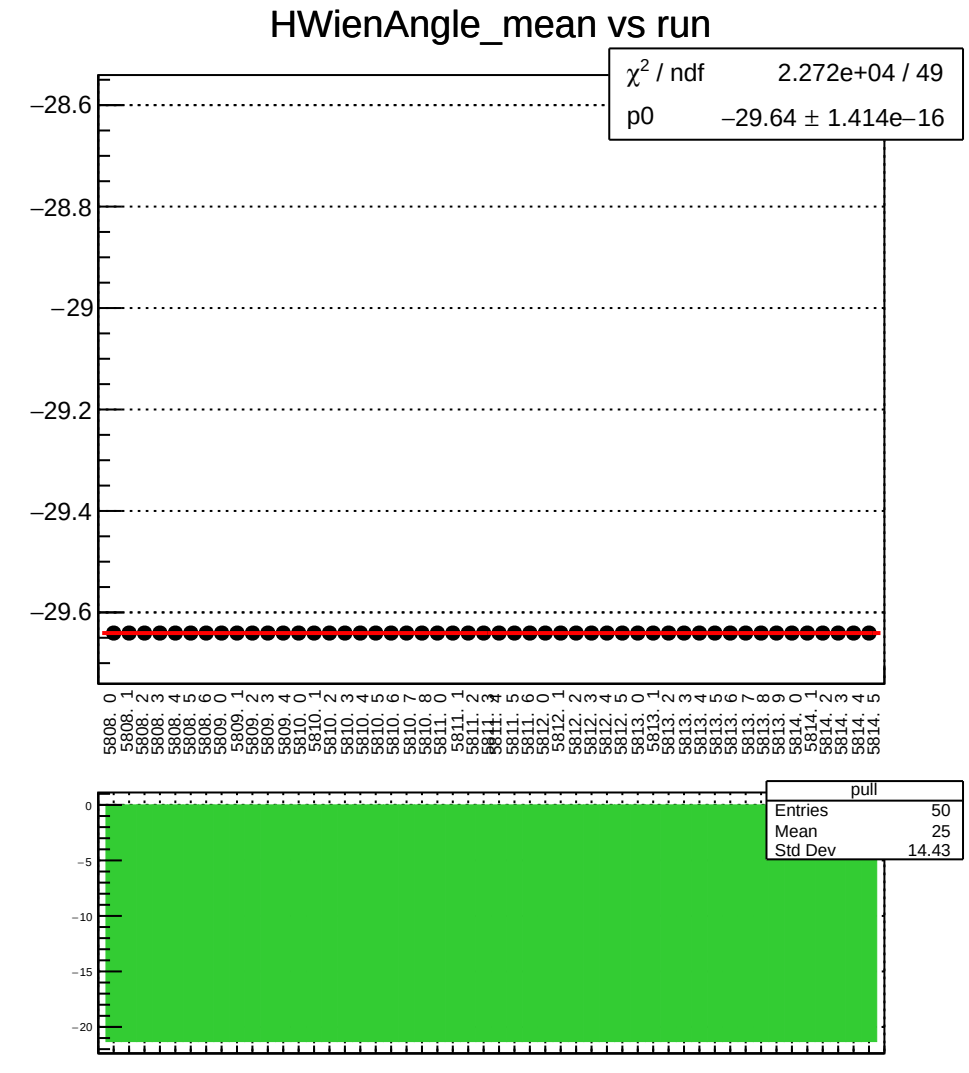

hesDipole_current_mean vs run
×10⁻³
χ² / ndf 0 / 49
p0 0.009375 ± 1.414e−16
pull
Entries 50
Mean 0
Std Dev 0

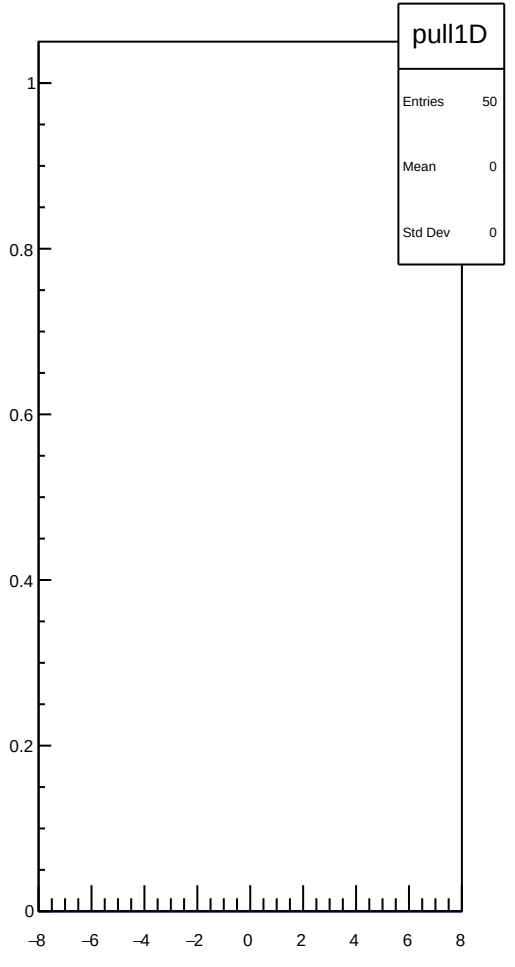

pull1D
Entries 50
Mean 0
Std Dev 0

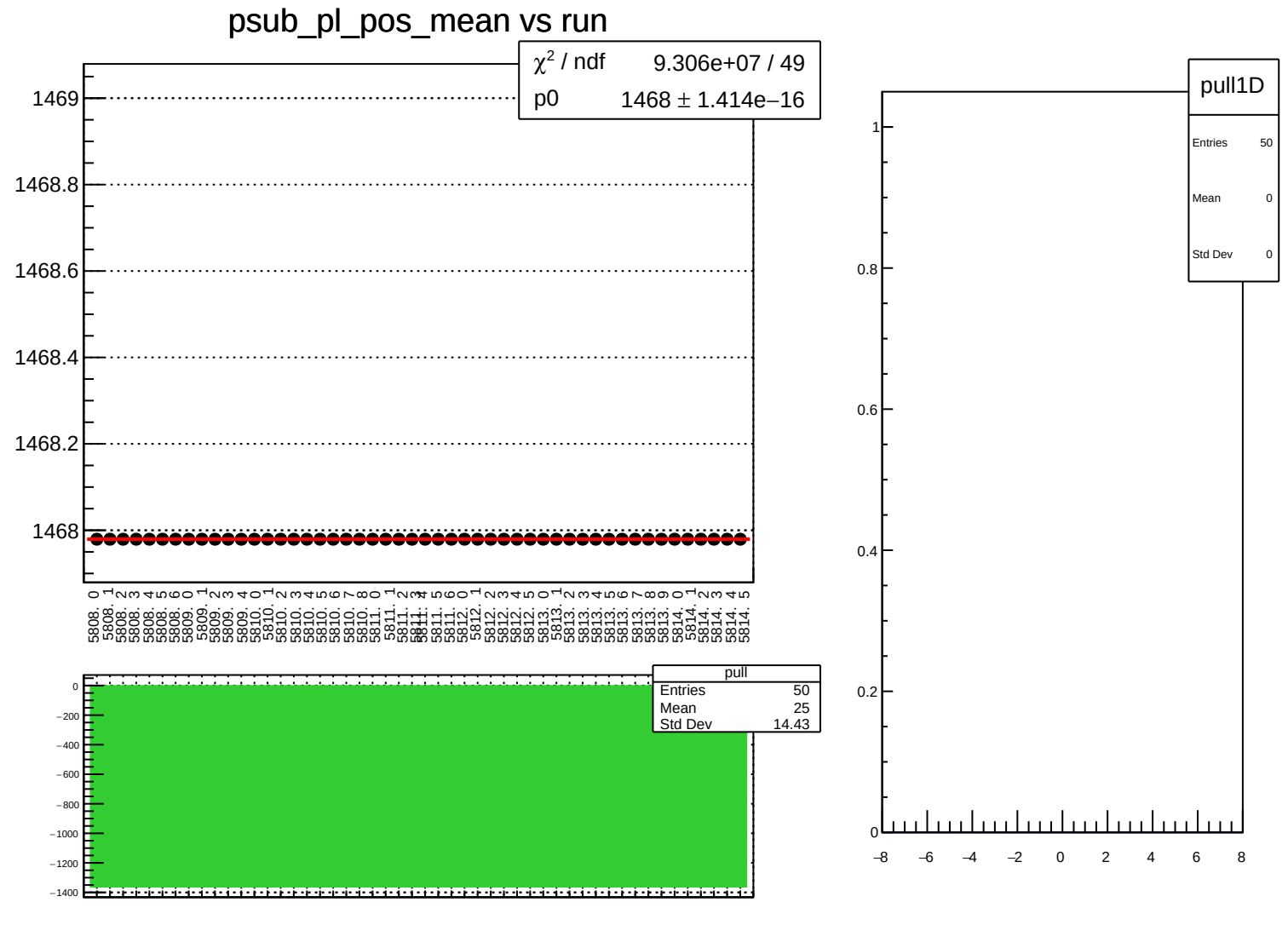

MSUPERBIGBITEreadcalc_mean vs run
×10⁻³
χ² / ndf 0 / 49
p0 0.009375 ± 1.414e−16
pull
Entries 50
Mean 0
Std Dev 0

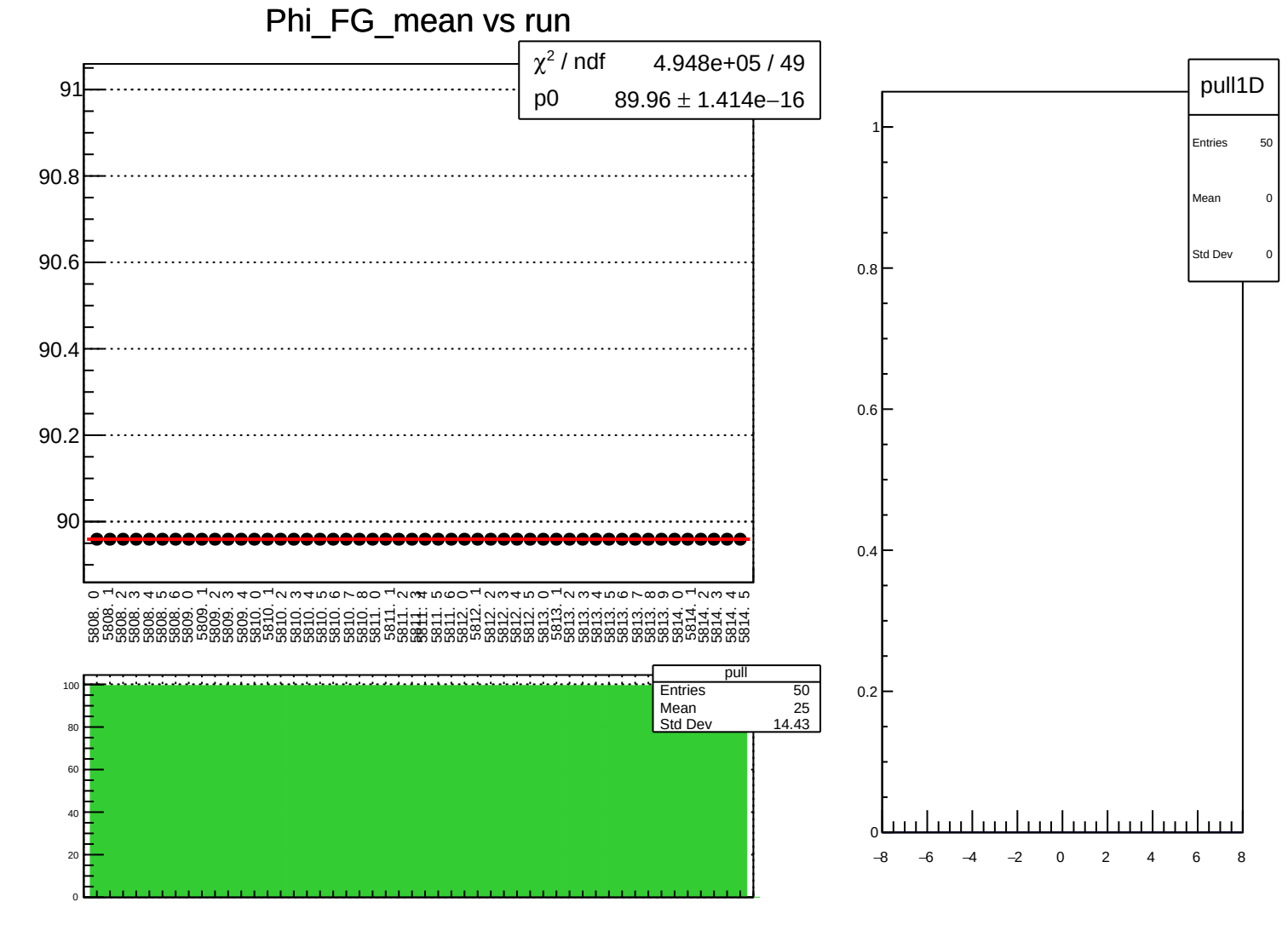

pull1D
Entries 50
Mean 0
Std Dev 0

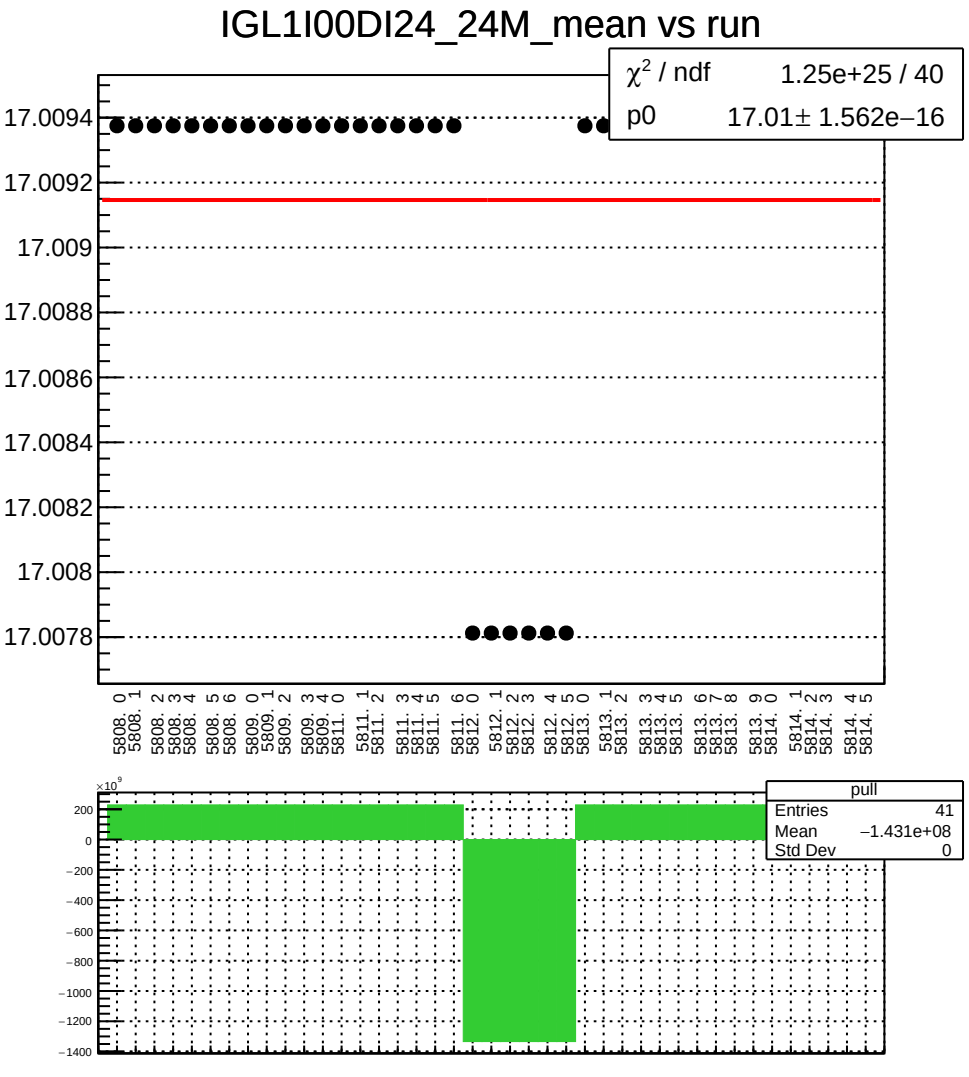

VWienAngle_mean vs run
χ² / ndf 0 / 49
p0 88 ± 1.414e−16
89
88.8
88.6
88.4
88.2
88
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
pull1D
Entries 50
Mean 0
Std Dev 0
50
40
30
20
10
0
−8
−6
−4
−2
0
2
4
6
8

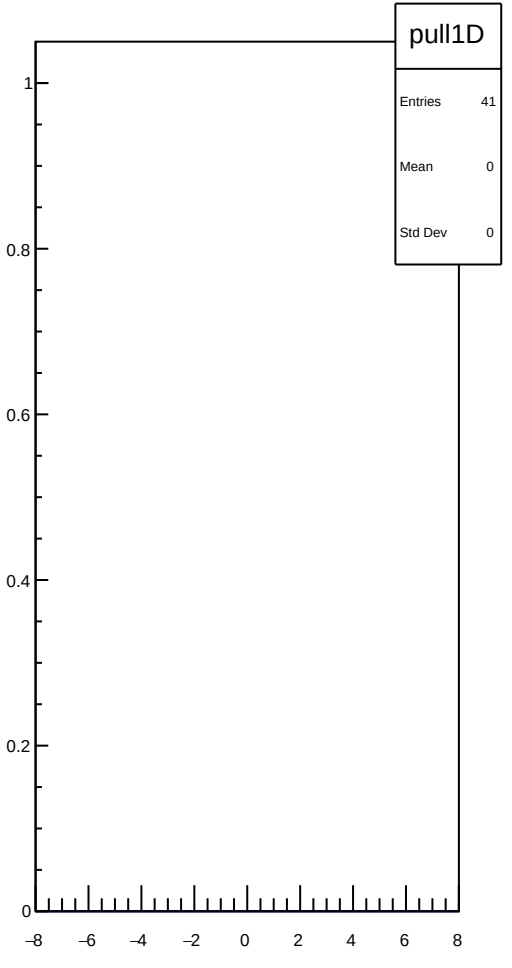

HWienAngle_mean vs run
χ² / ndf 2.272e+04 / 49
p0 −29.64 ± 1.414e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
pull
Entries 50
Mean 25
Std Dev 14.43
0
−5
−10
−15
−20

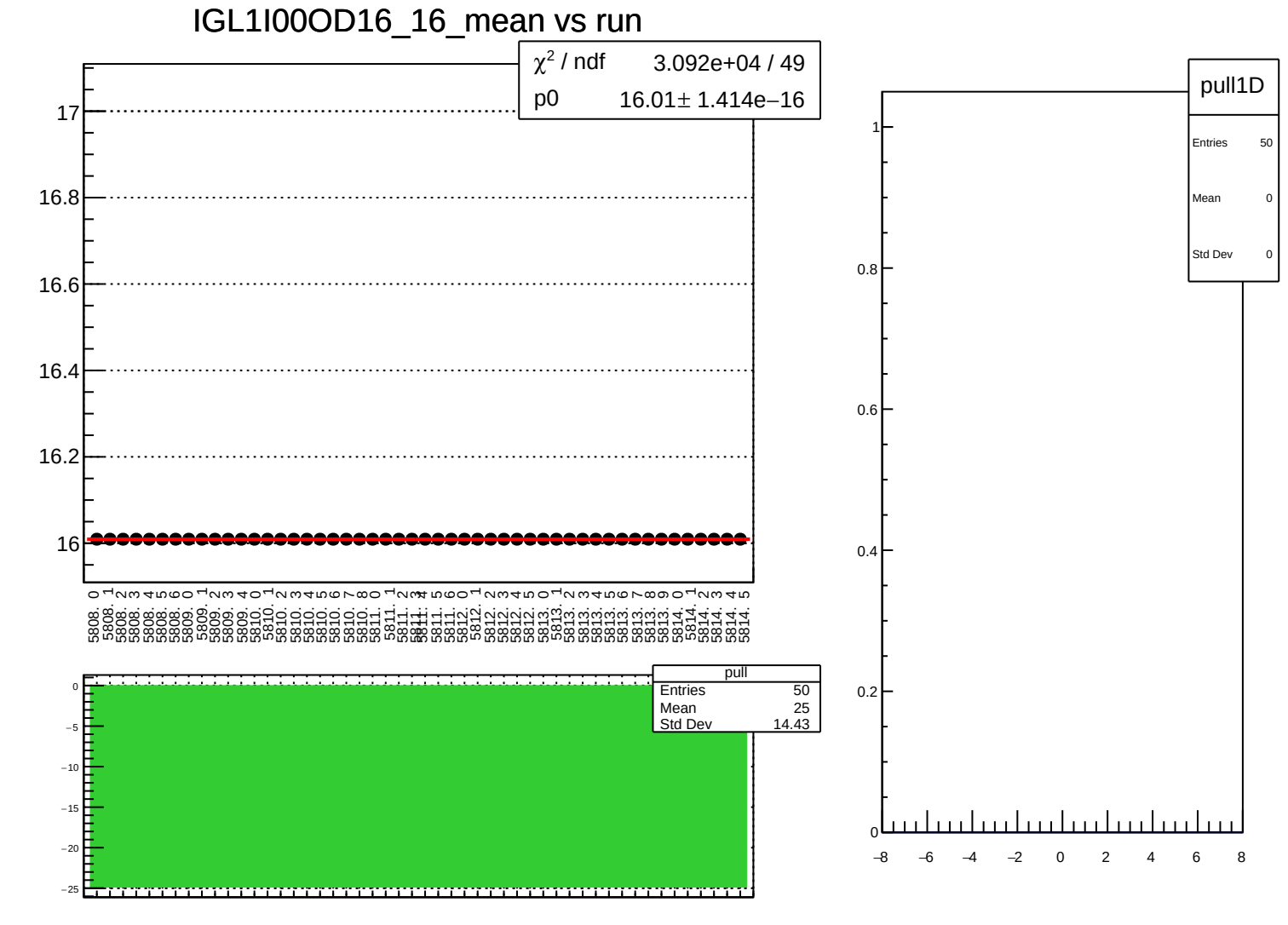

pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

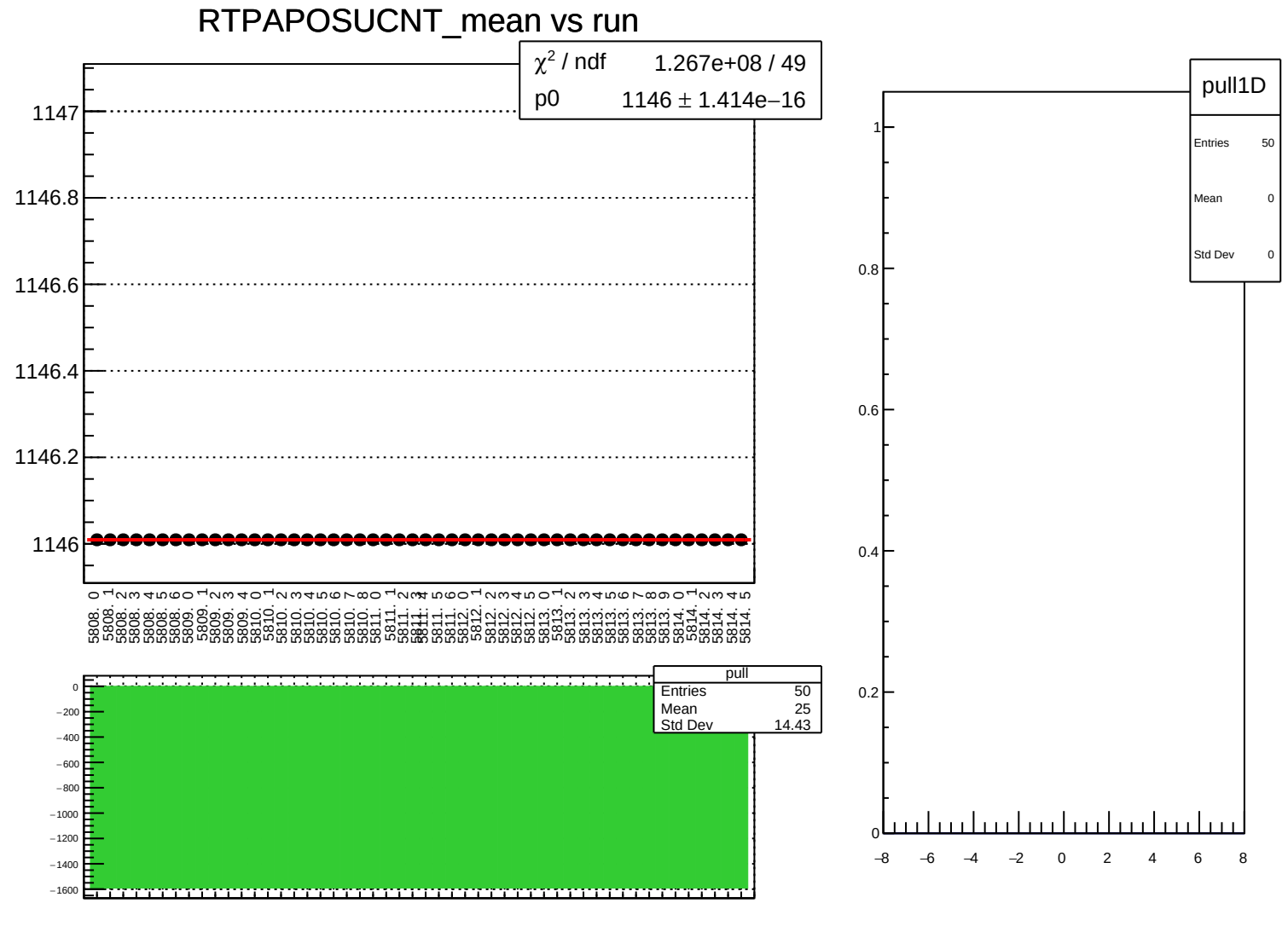

psub_pl_pos_mean vs run
χ² / ndf 9.306e+07 / 49
p0 1468 ± 1.414e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
pull
Entries 50
Mean 25
Std Dev 14.43
0
−200
−400
−600
−800
−1000
−1200
−1400
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

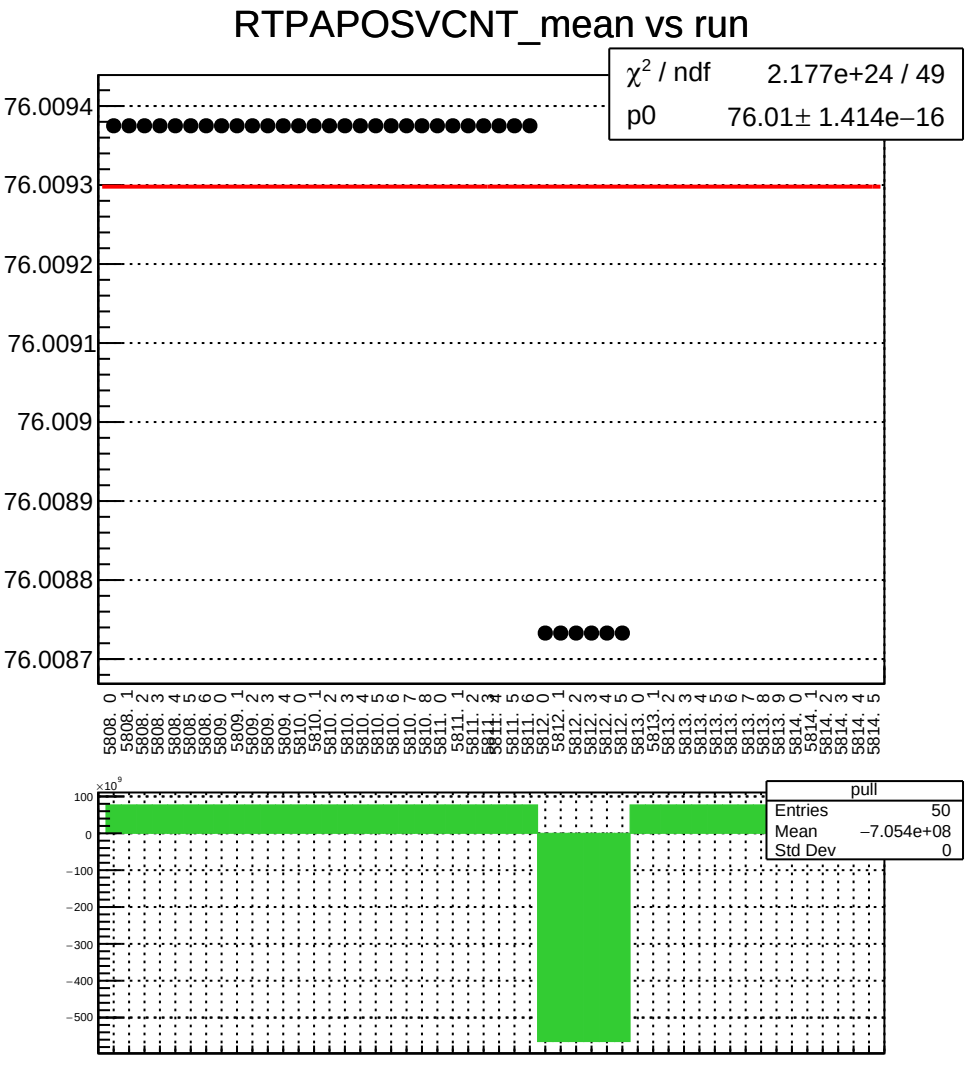

Phi_FG_mean vs run
χ² / ndf 4.948e+05 / 49
p0 89.96 ± 1.414e−16
91
90.8
90.6
90.4
90.2
90
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
pull
Entries 50
Mean 25
Std Dev 14.43
100
80
60
40
20
0
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

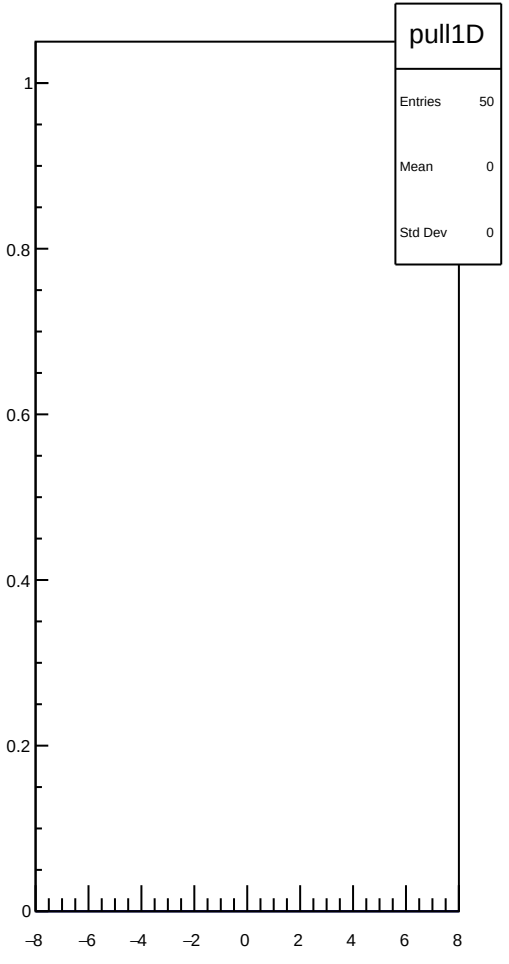

IGL1I00DI24_24M_mean vs run
χ² / ndf 1.25e+25 / 40
p0 17.01± 1.562e−16
17.0094
17.0092
17.009
17.0088
17.0086
17.0084
17.0082
17.008
17.0078
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
×10⁹
200
0
−200
−400
−600
−800
−1000
−1200
−1400
pull
Entries 41
Mean −1.431e+08
Std Dev 0

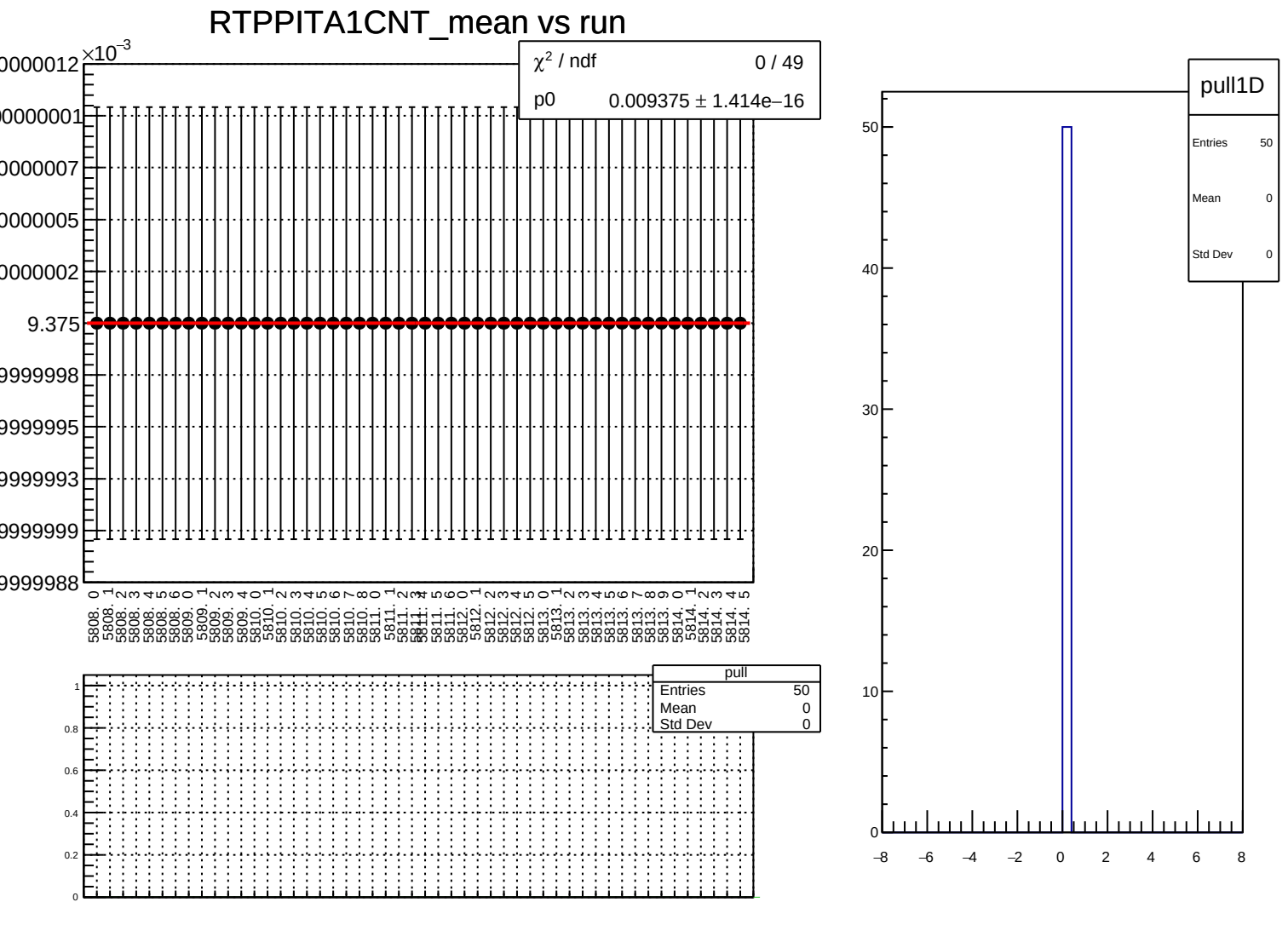

pull1D
Entries 41
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

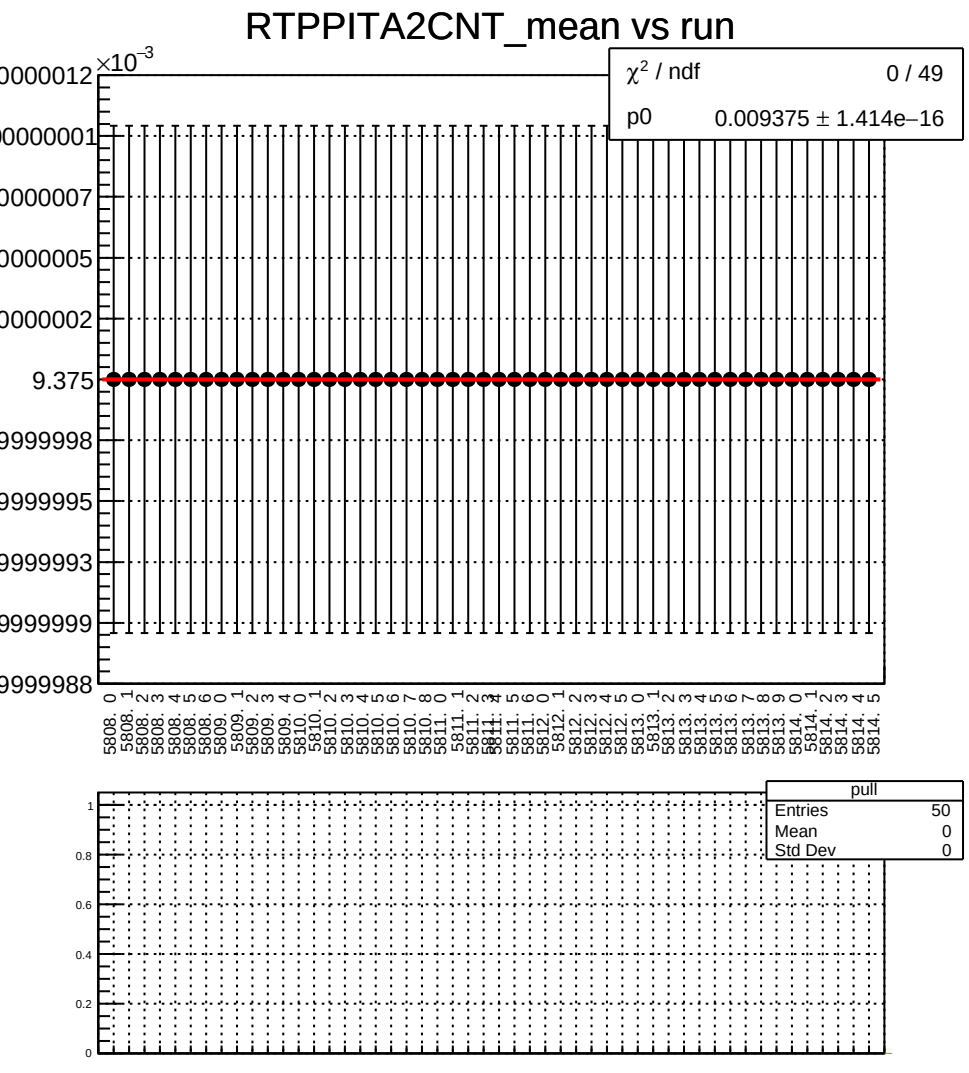

IGL1I00OD16_16_mean vs run
χ² / ndf 3.092e+04 / 49
p0 16.01± 1.414e−16
17
16.8
16.6
16.4
16.2
16
pull
Entries 50
Mean 25
Std Dev 14.43
0
−5
−10
−15
−20
−25
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

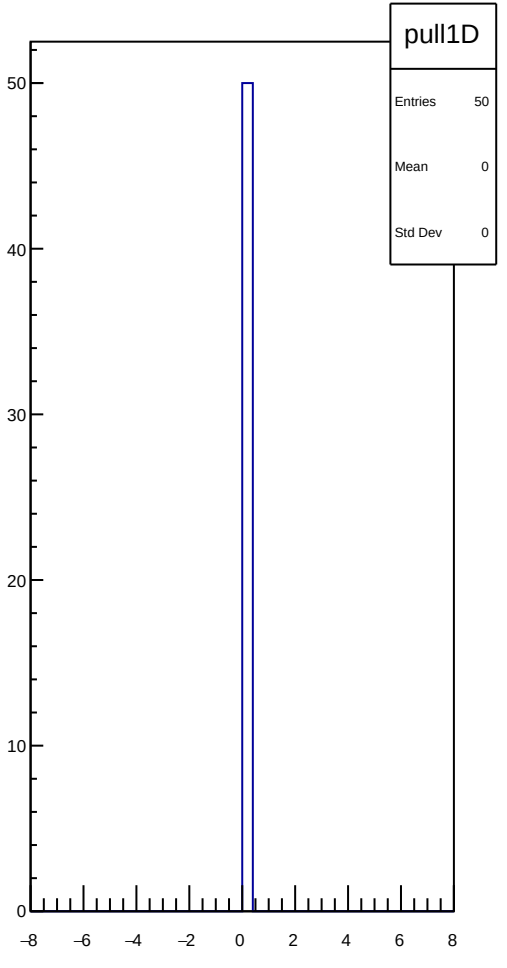

RTPAPOSUCNT_mean vs run
χ² / ndf 1.267e+08 / 49
p0 1146 ± 1.414e−16
1147
1146.8
1146.6
1146.4
1146.2
1146
pull
Entries 50
Mean 25
Std Dev 14.43
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
pull1D
Entries 50
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPAPOSVCNT_mean vs run
χ² / ndf 2.177e+24 / 49
p0 76.01± 1.414e−16
76.0094
76.0093
76.0092
76.0091
76.009
76.0089
76.0088
76.0087
5808. 0
5808. 1
5808. 2
5808. 3
5808. 4
5808. 5
5808. 6
5809. 0
5809. 1
5809. 2
5809. 3
5809. 4
5810. 0
5810. 1
5810. 2
5810. 3
5810. 4
5810. 5
5810. 6
5810. 7
5810. 8
5811. 0
5811. 1
5811. 2
5811. 3
5811. 4
5811. 5
5811. 6
5812. 0
5812. 1
5812. 2
5812. 3
5812. 4
5812. 5
5813. 0
5813. 1
5813. 2
5813. 3
5813. 4
5813. 5
5813. 6
5813. 7
5813. 8
5813. 9
5814. 0
5814. 1
5814. 2
5814. 3
5814. 4
5814. 5
×10⁹
100
0
−100
−200
−300
−400
−500
pull
Entries 50
Mean −7.054e+08
Std Dev 0


pull1D
Entries 50
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 / 49
p0 0.009375 ± 1.414e−16
pull
Entries 50
Mean 0
Std Dev 0
pull1D
Entries 50
Mean 0
Std Dev 0


RTPPITA2CNT_mean vs run
×10⁻³
χ² / ndf 0 / 49
p0 0.009375 ± 1.414e−16
pull
Entries 50
Mean 0
Std Dev 0


pull1D
Entries 50
Mean 0
Std Dev 0