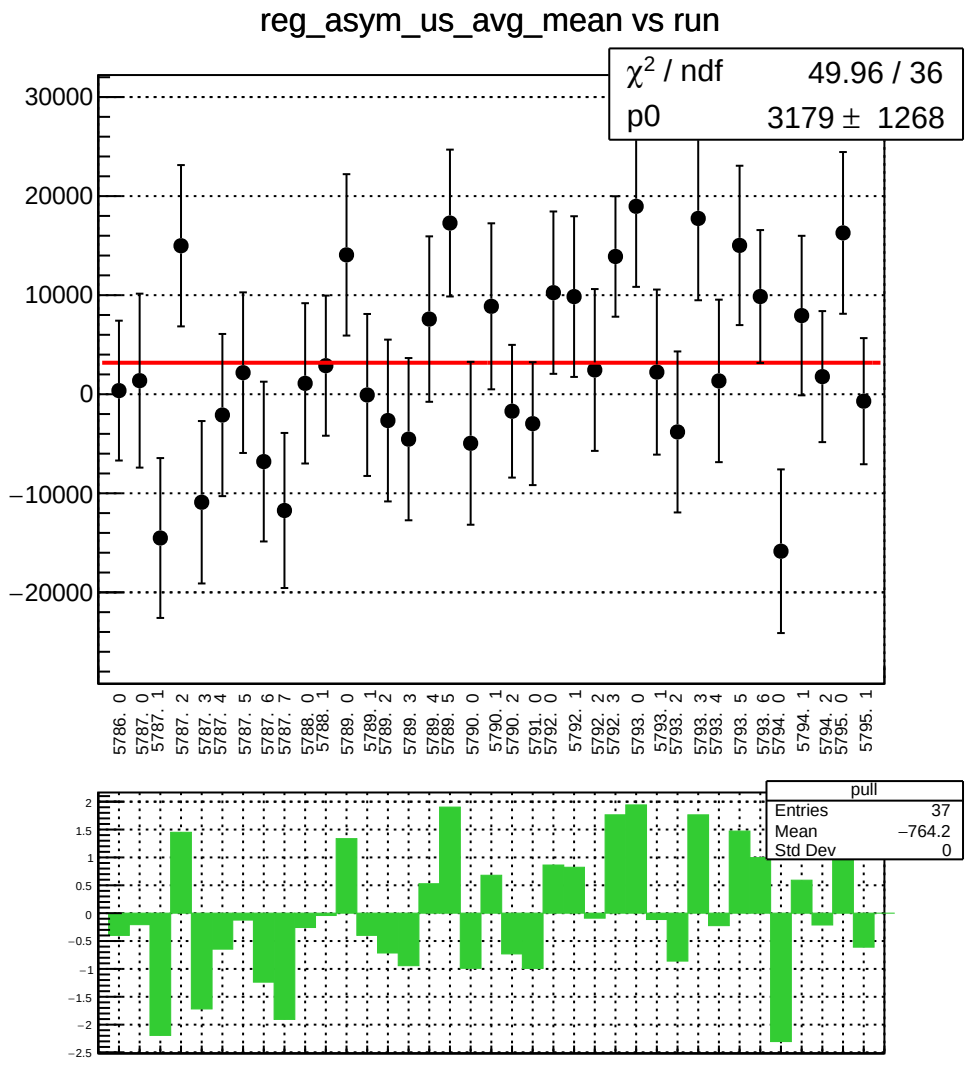
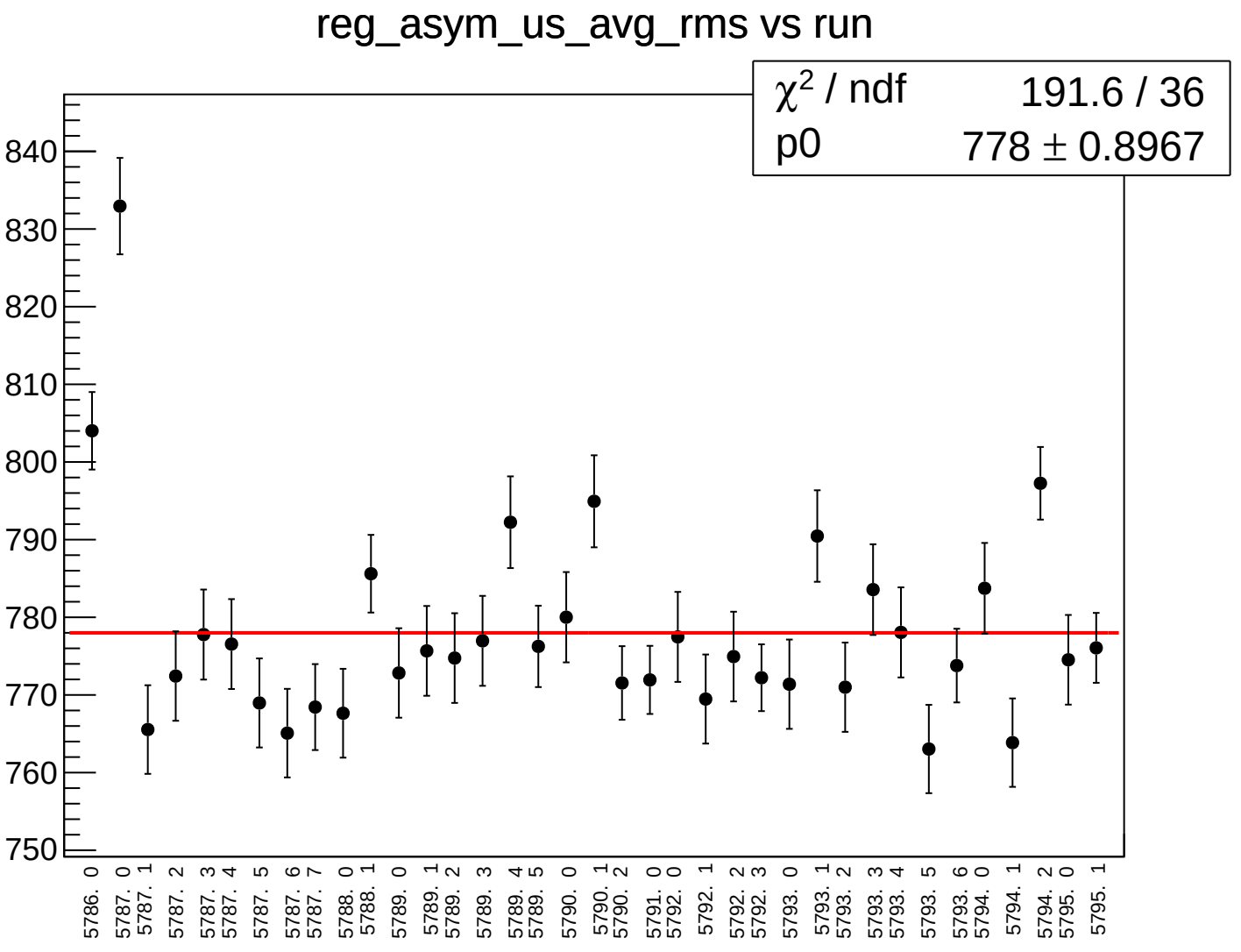

reg_asym_us_avg_mean vs run
χ² / ndf 49.96 / 36
p0 3179 ± 1268
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −764.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.004932
Std Dev 1.162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_rms vs run
χ^2 / ndf 191.6 / 36
p0 778 ± 0.8967
840
830
820
810
800
790
780
770
760
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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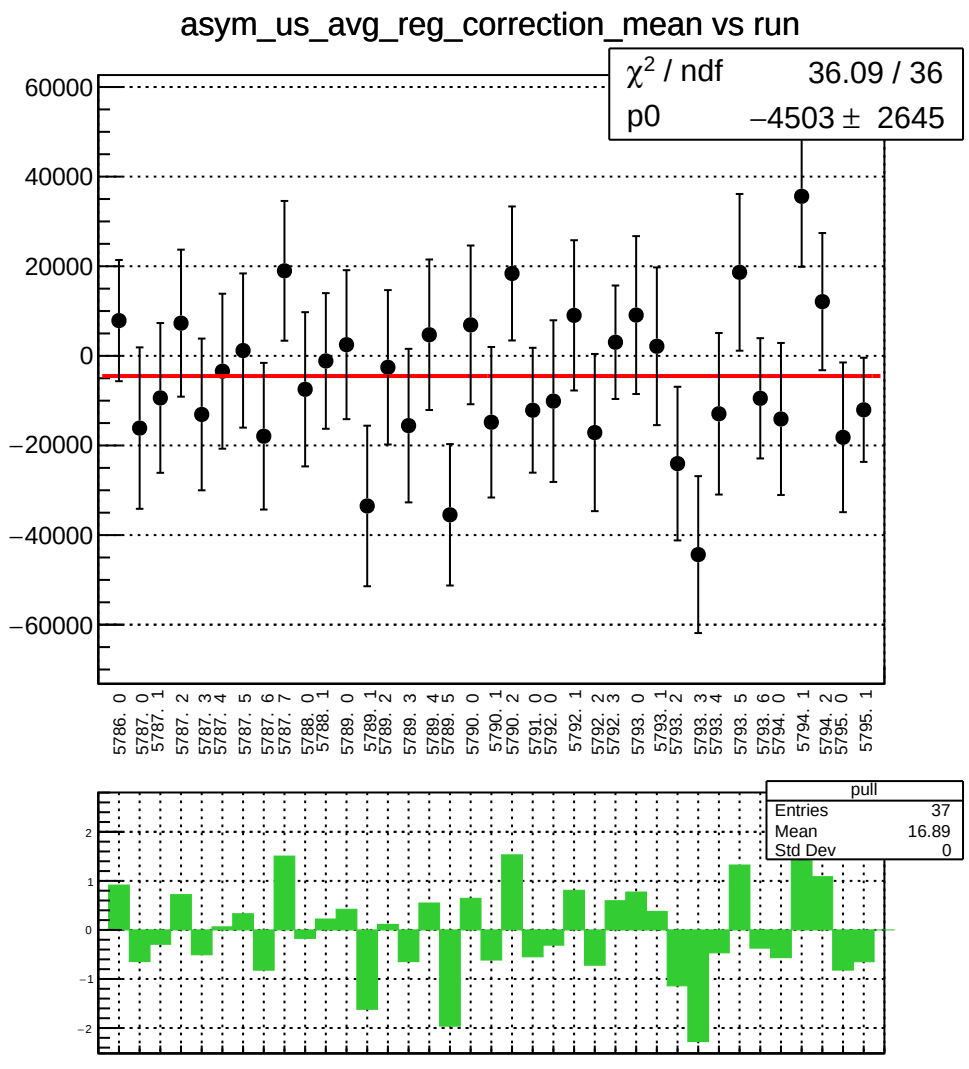
asym_us_avg_reg_correction_mean vs run
χ² / ndf 36.09 / 36
p0 −4503 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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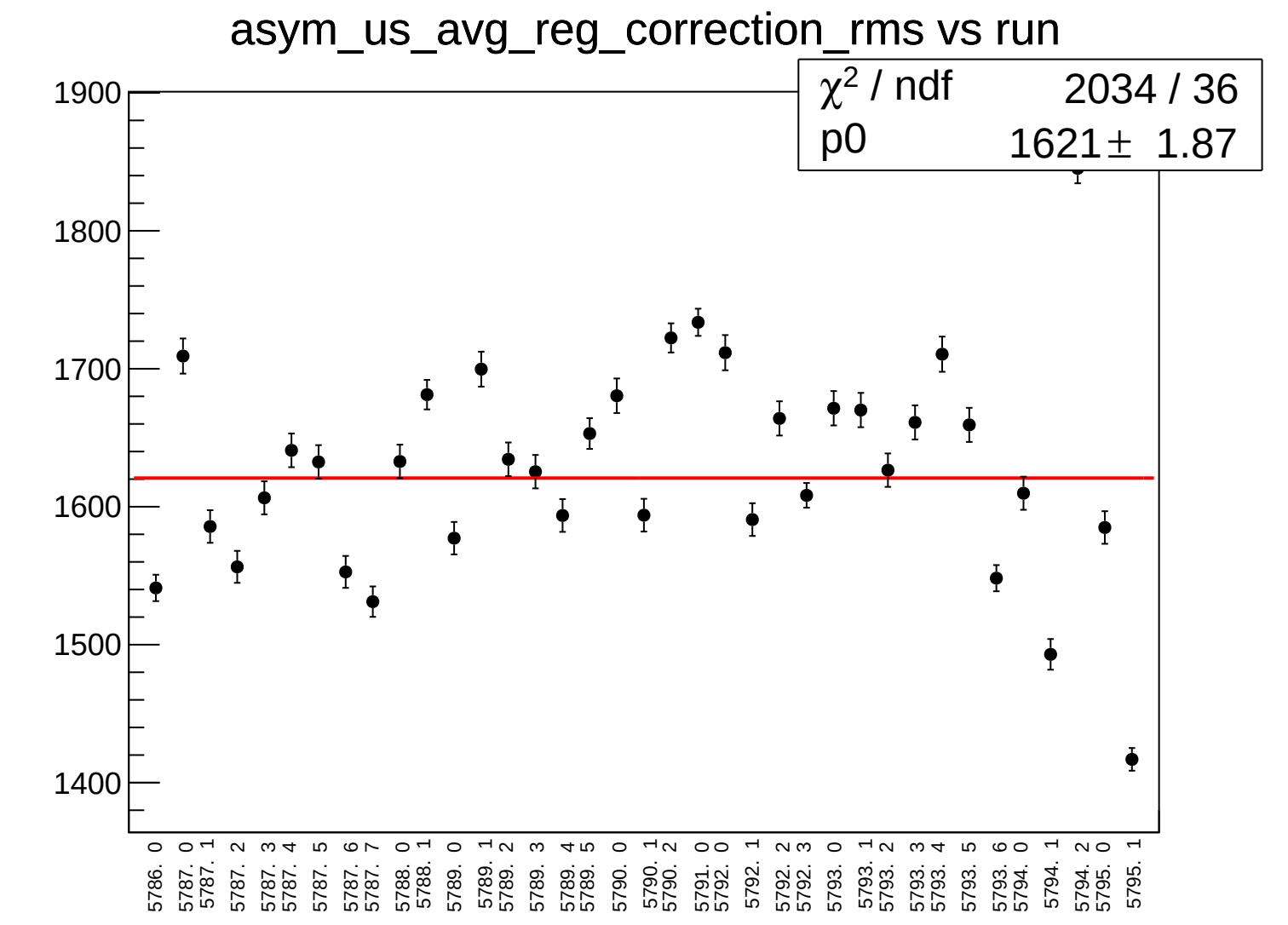
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.89
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01664
Std Dev 0.9874
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_reg_correction_rms vs run
χ² / ndf 2034 / 36
p0 1621 ± 1.87
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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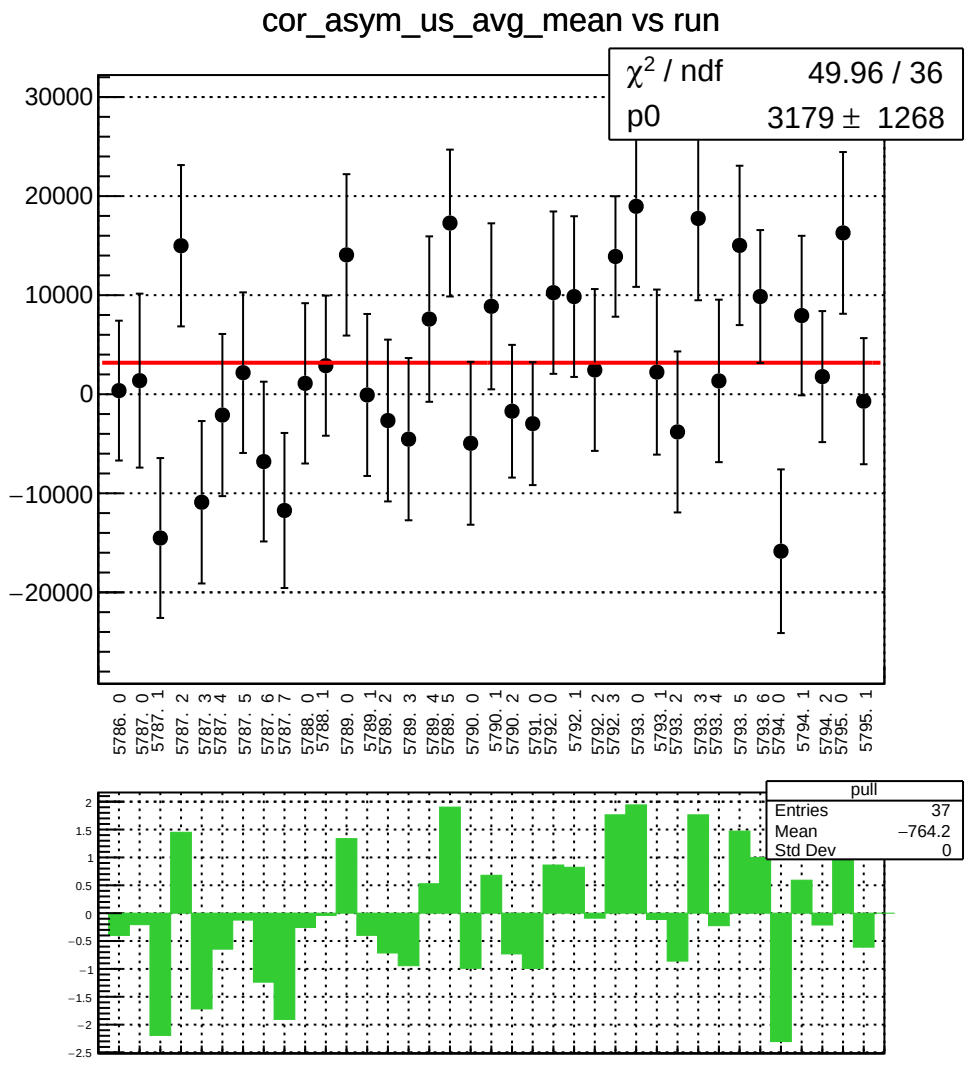
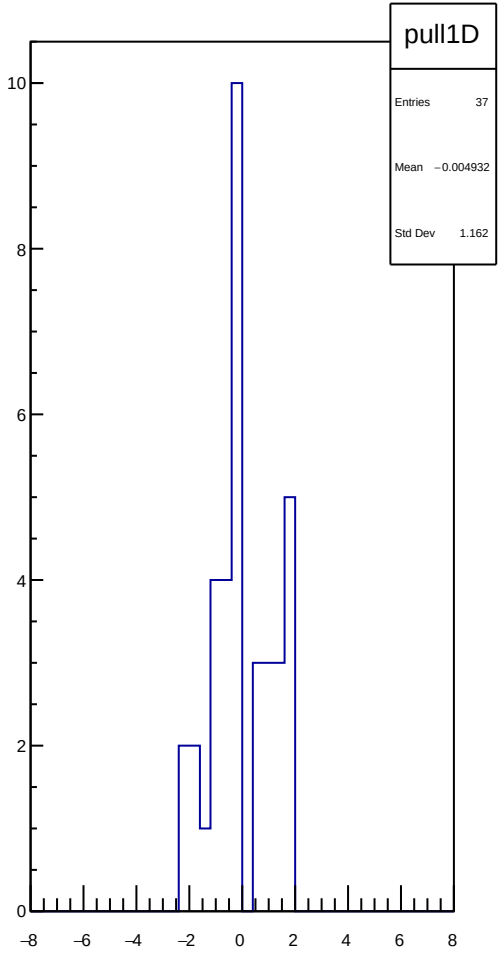
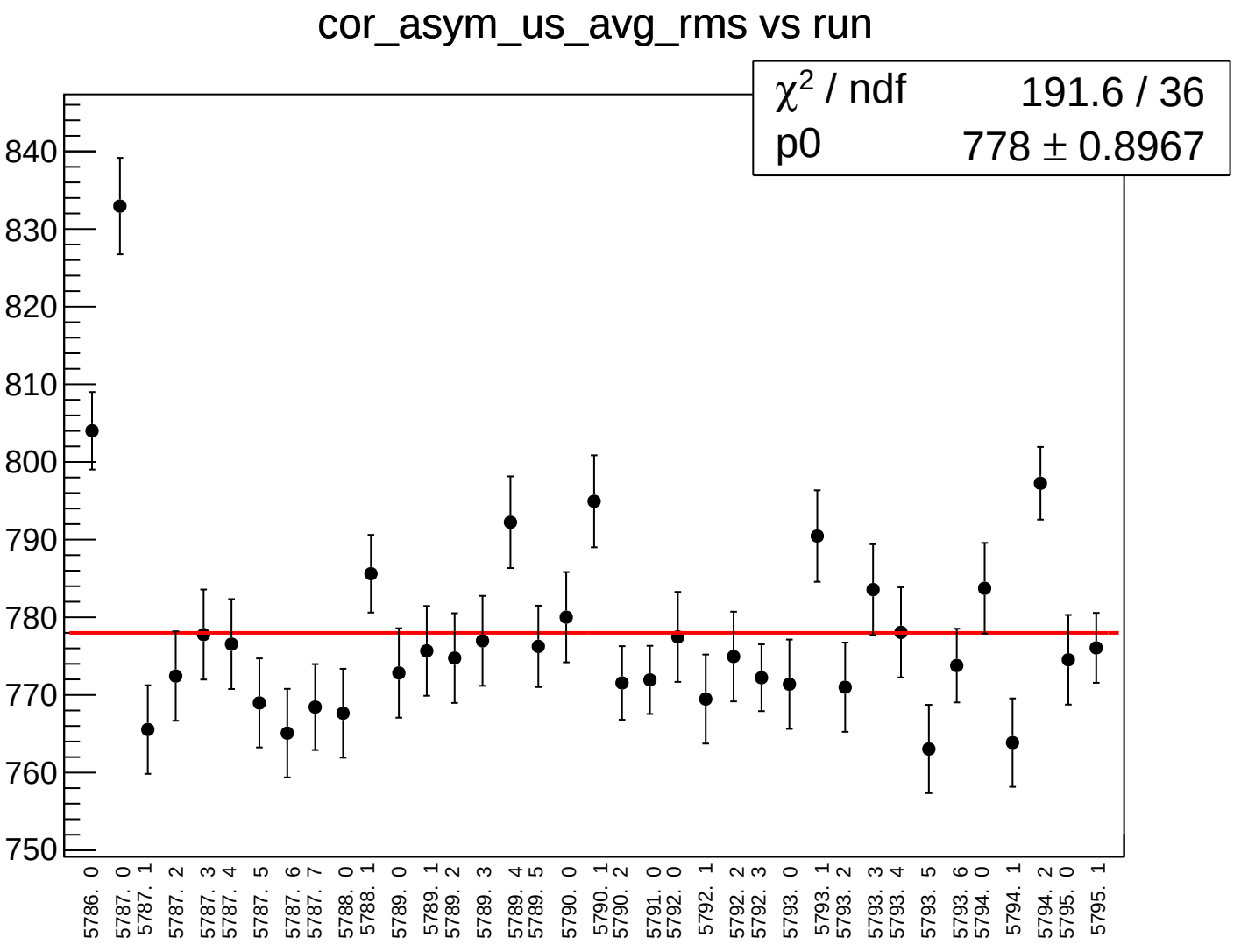

cor_asym_us_avg_mean vs run
χ² / ndf 49.96 / 36
p0 3179 ± 1268
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −764.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean −0.004932
Std Dev 1.162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_rms vs run
χ^2 / ndf 191.6 / 36
p0 778 ± 0.8967
840
830
820
810
800
790
780
770
760
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
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5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 5
5793. 6
5794. 0
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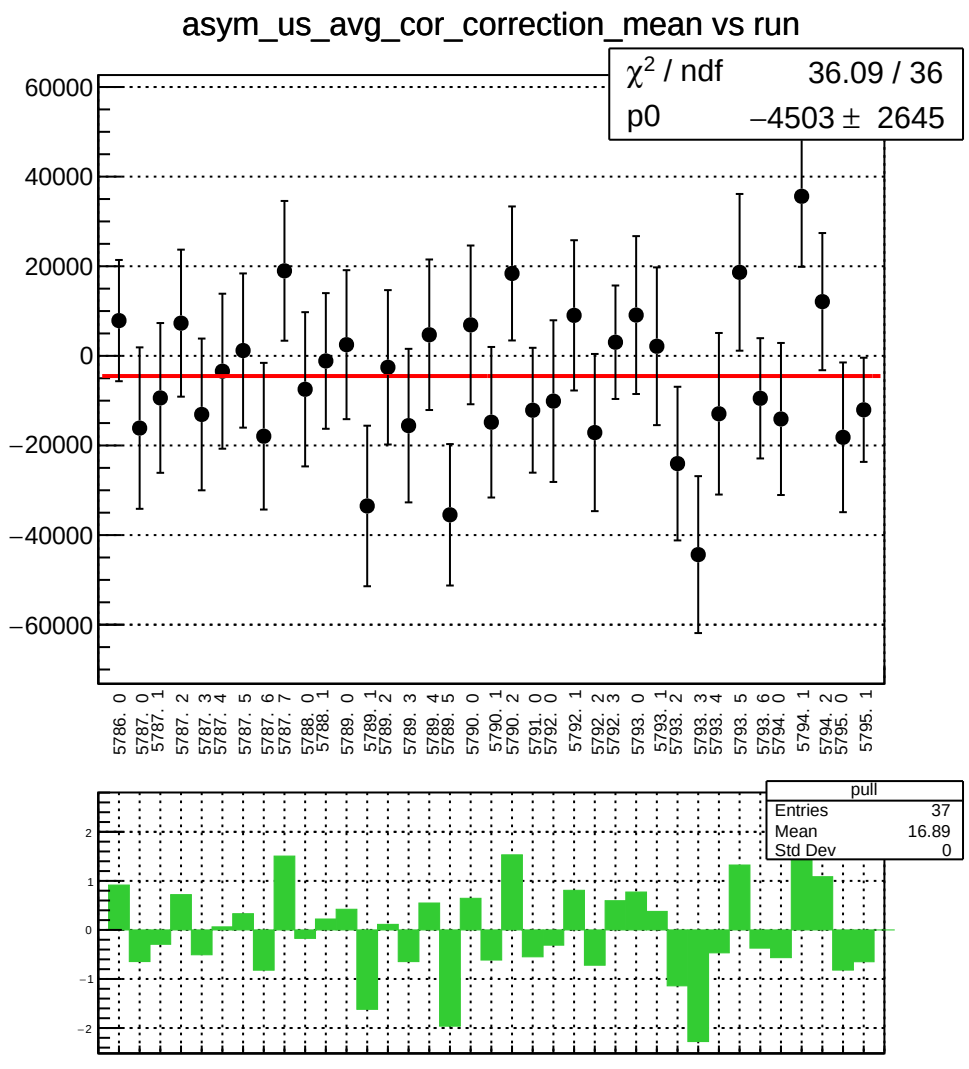
5794. 2
5795. 0
5795. 1


asym_us_avg_cor_correction_mean vs run
χ² / ndf 36.09 / 36
p0 −4503 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.89
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01664
Std Dev 0.9874
9
8
7
6
5
4
3
2
1
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−8
−6
−4
−2
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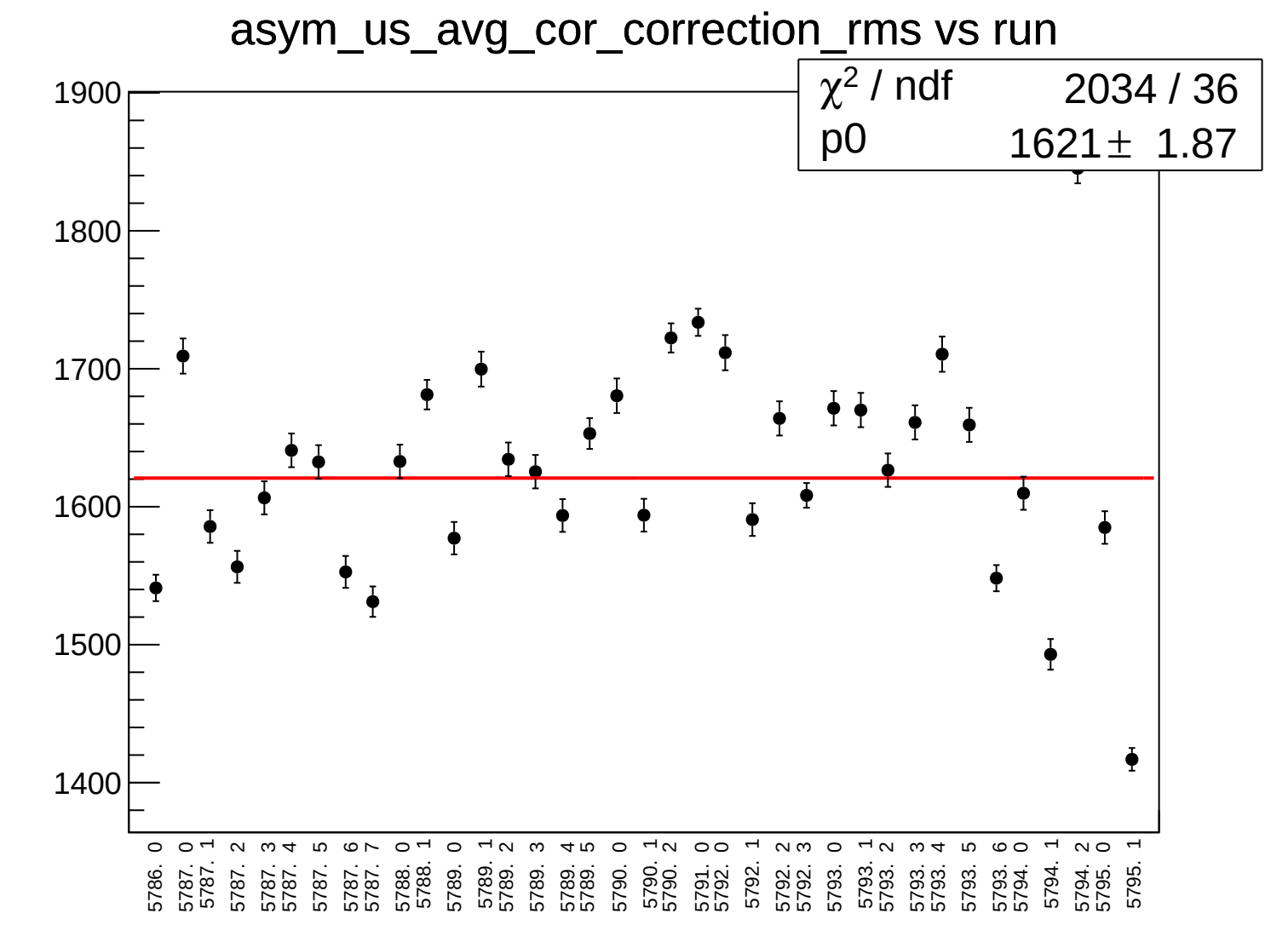
8


asym_us_avg_cor_correction_rms vs run
χ² / ndf 2034 / 36
p0 1621 ± 1.87
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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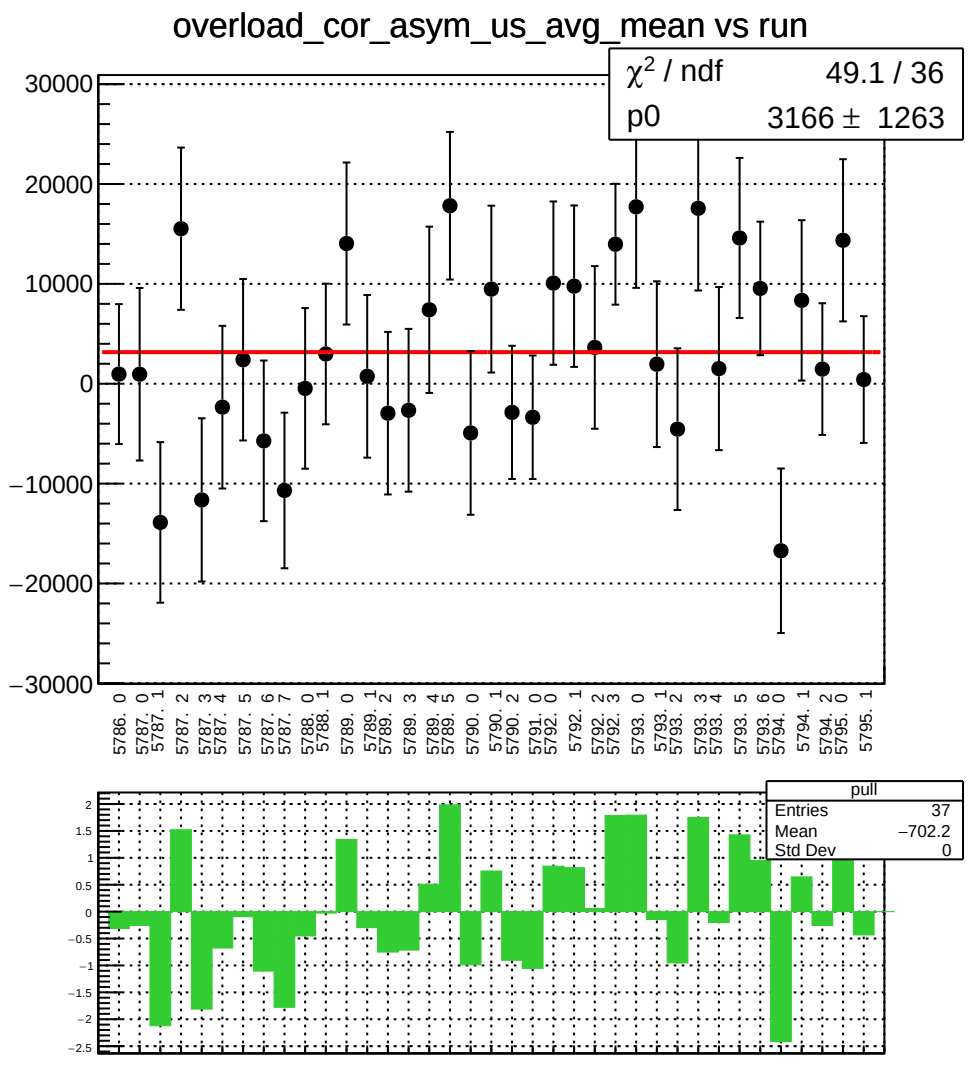
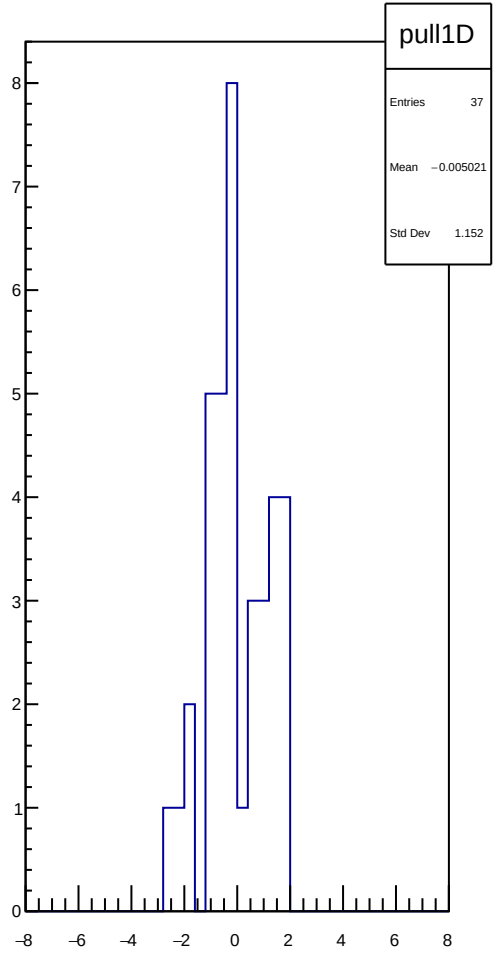
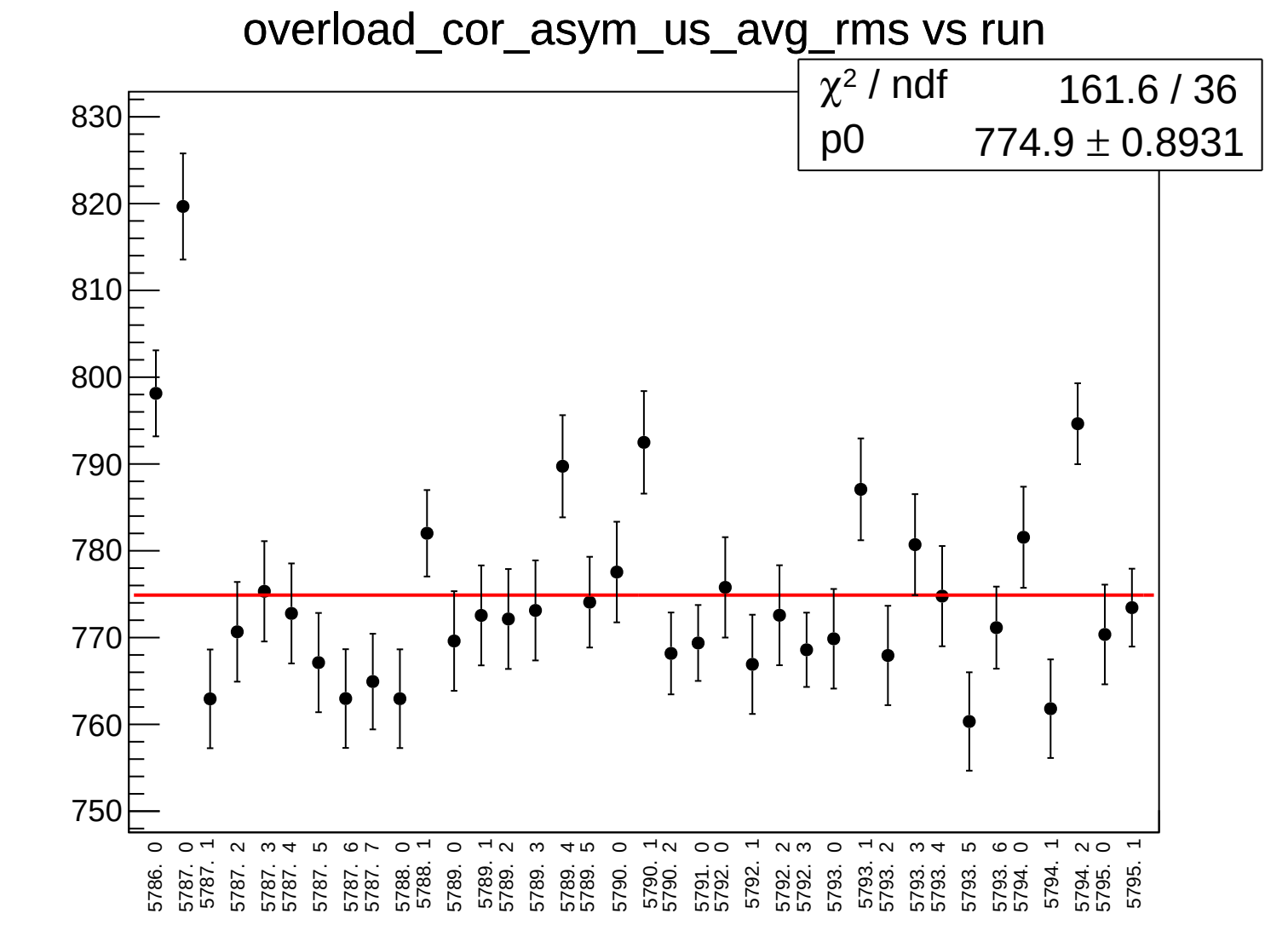
5795. 0
5795. 1


overload_cor_asym_us_avg_mean vs run
χ² / ndf 49.1 / 36
p0 3166 ± 1263
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −702.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean −0.005021
Std Dev 1.152
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_avg_rms vs run
χ² / ndf 161.6 / 36
p0 774.9 ± 0.8931
830
820
810
800
790
780
770
760
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
5794. 1
5794. 2
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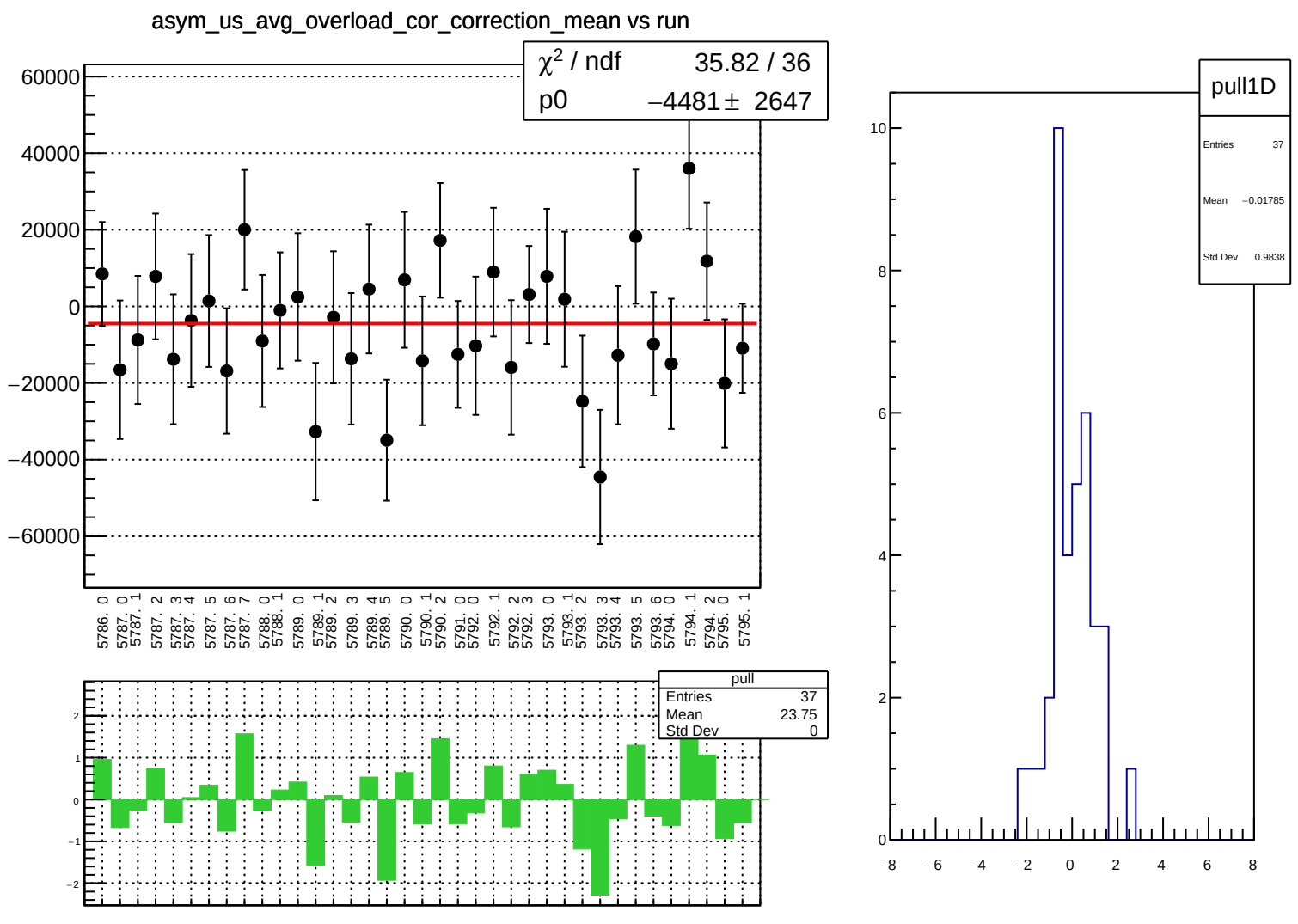
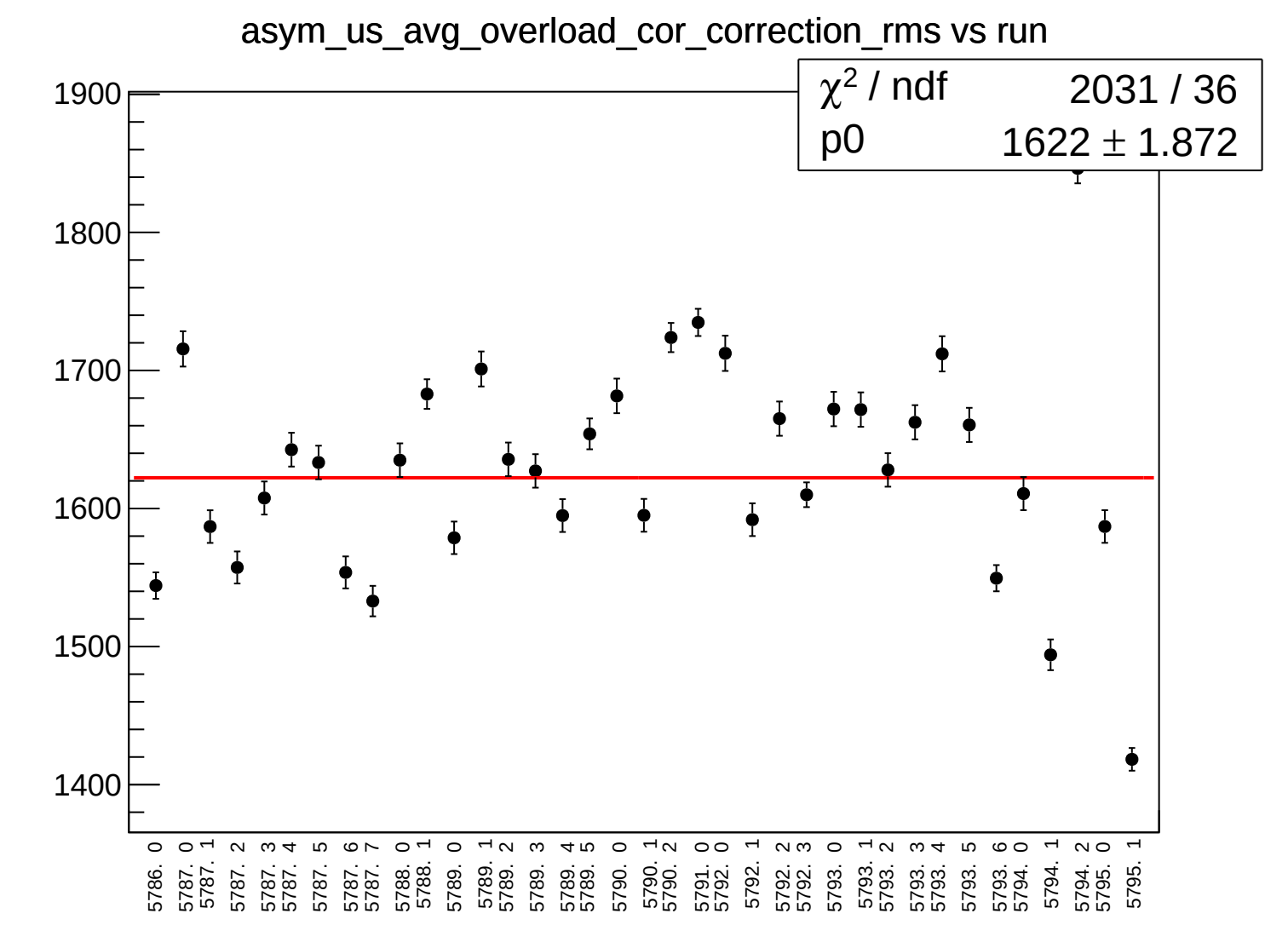
5795. 1


asym_us_avg_overload_cor_correction_mean vs run
χ² / ndf 35.82 / 36
p0 −4481 ± 2647
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.75
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01785
Std Dev 0.9838
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_overload_cor_correction_rms vs run
χ² / ndf 2031 / 36
p0 1622 ± 1.872
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
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5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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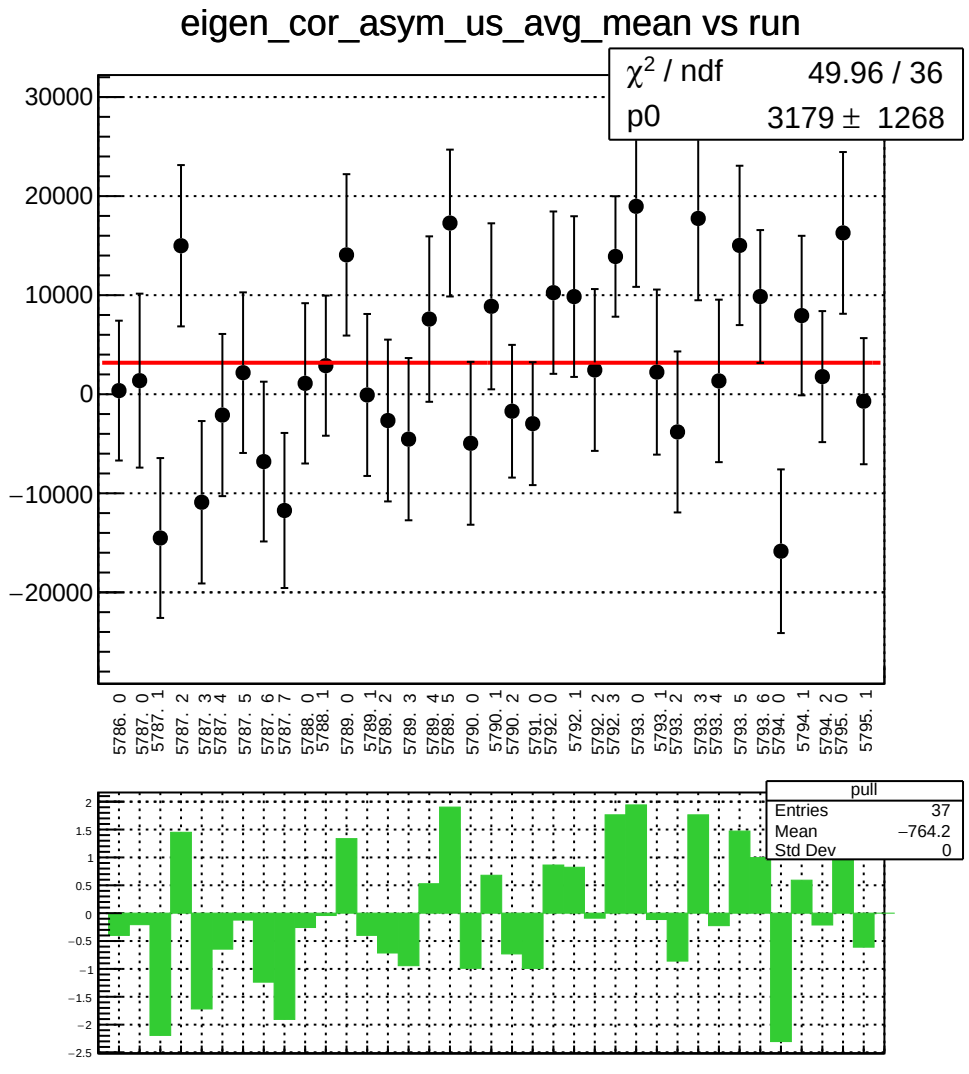
5794. 2
5795. 0
5795. 1


eigen_cor_asym_us_avg_mean vs run
χ² / ndf 49.96 / 36
p0 3179 ± 1268
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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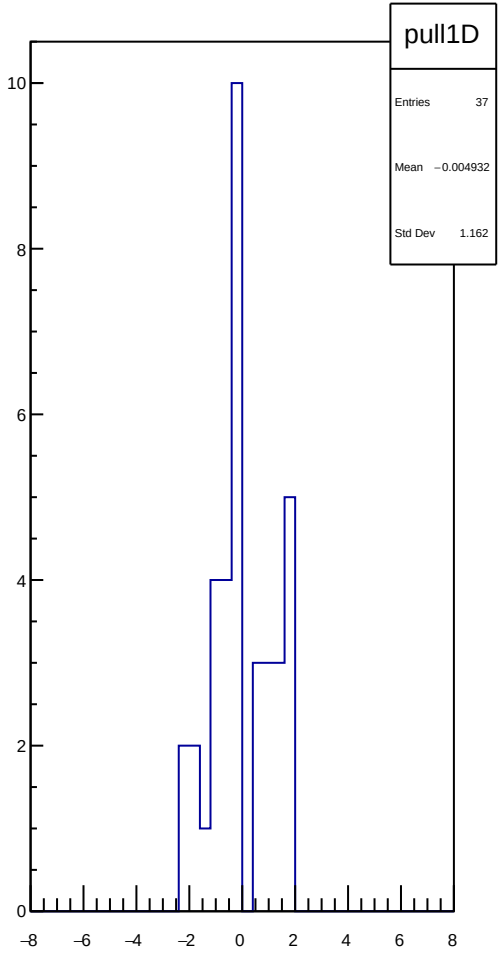
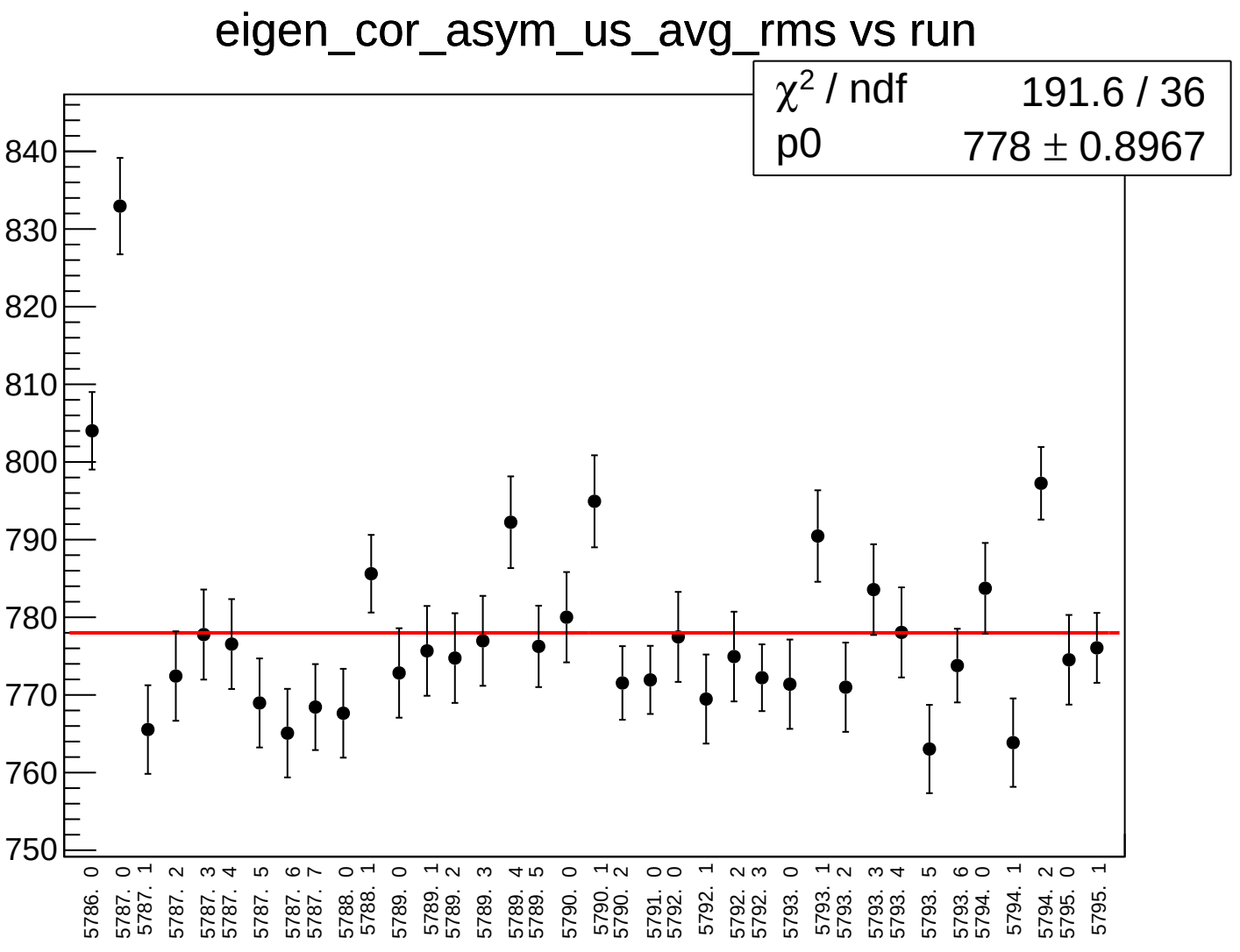
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −764.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean −0.004932
Std Dev 1.162
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_avg_rms vs run
χ² / ndf 191.6 / 36
p0 778 ± 0.8967
840
830
820
810
800
790
780
770
760
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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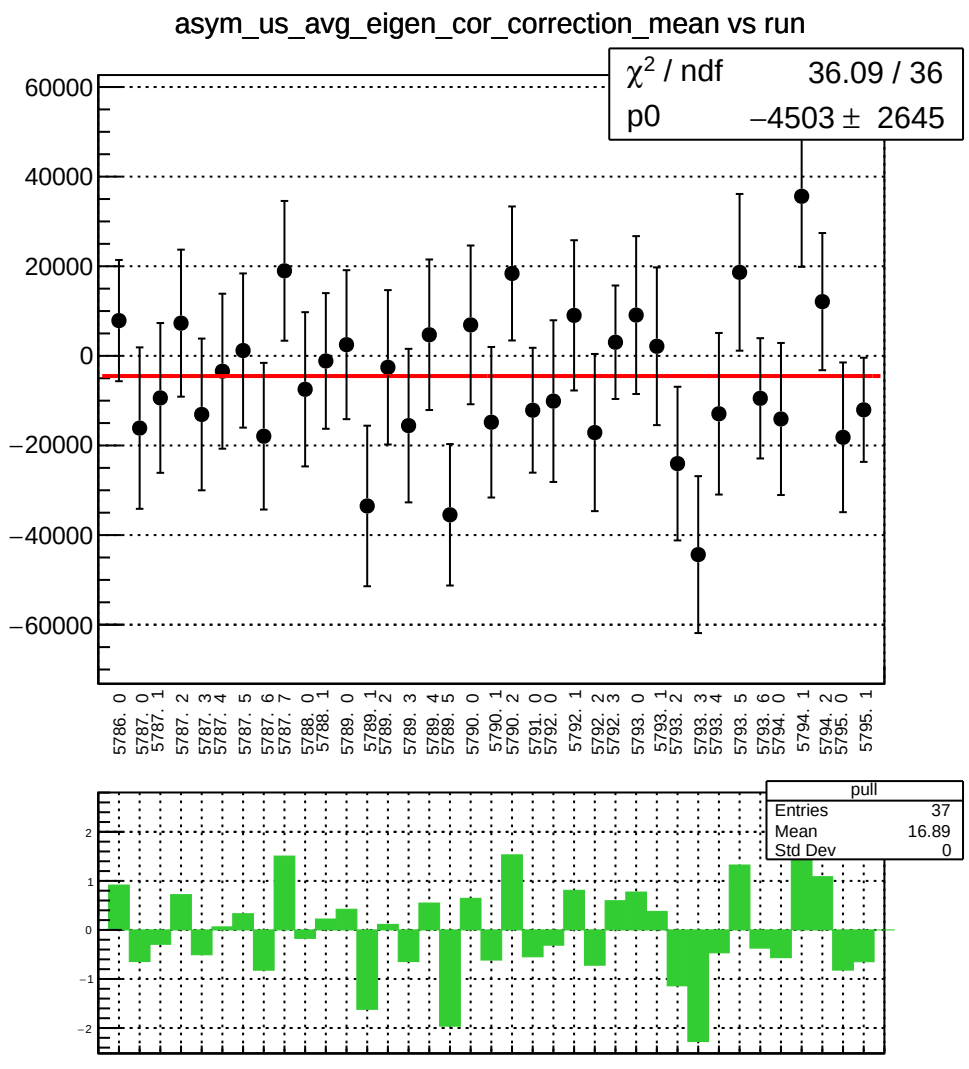
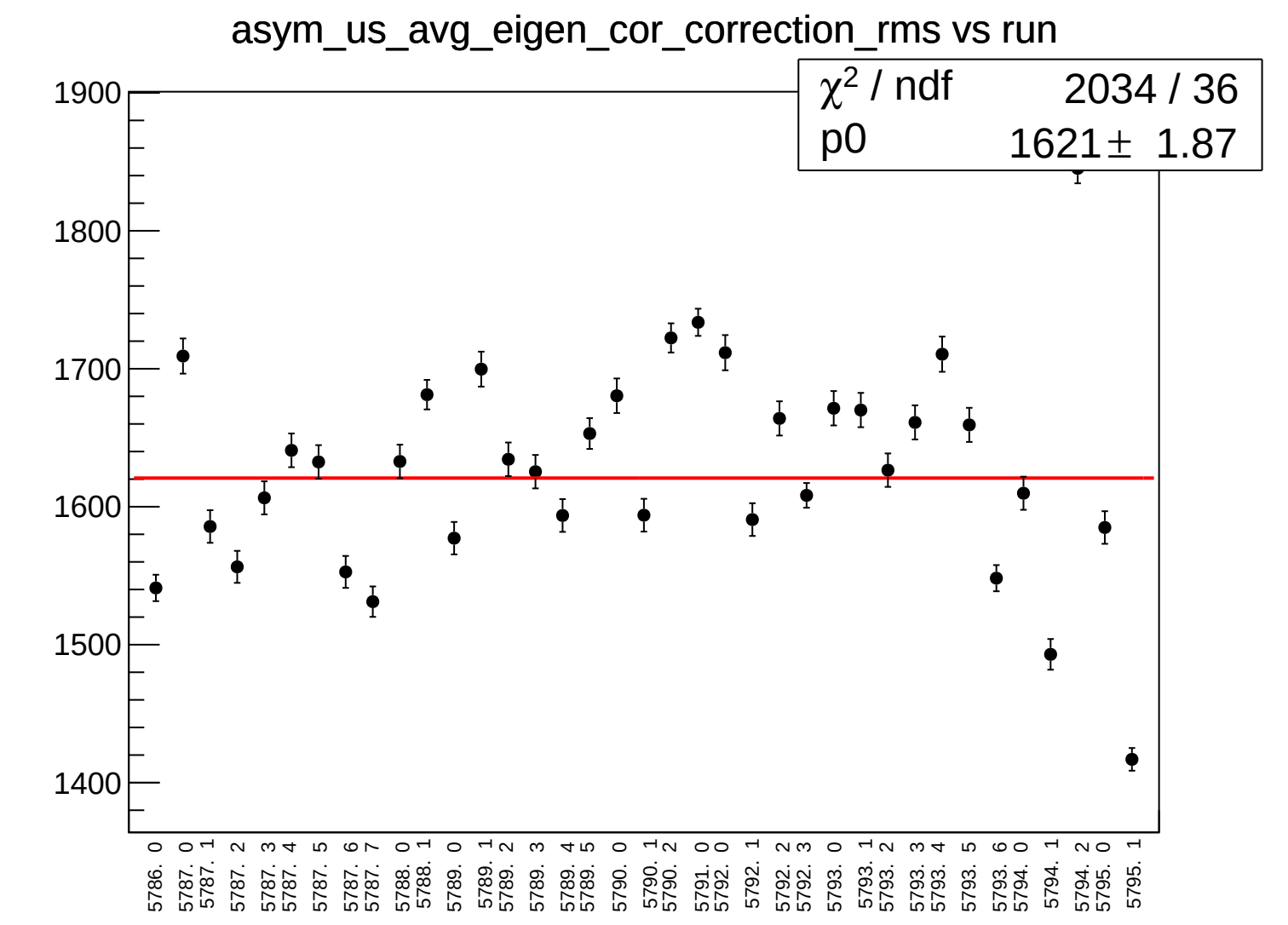
5795. 1


asym_us_avg_eigen_cor_correction_mean vs run
χ² / ndf 36.09 / 36
p0 −4503 ± 2645
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.89
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01664
Std Dev 0.9874
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_eigen_cor_correction_rms vs run
χ² / ndf 2034 / 36
p0 1621 ± 1.87
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
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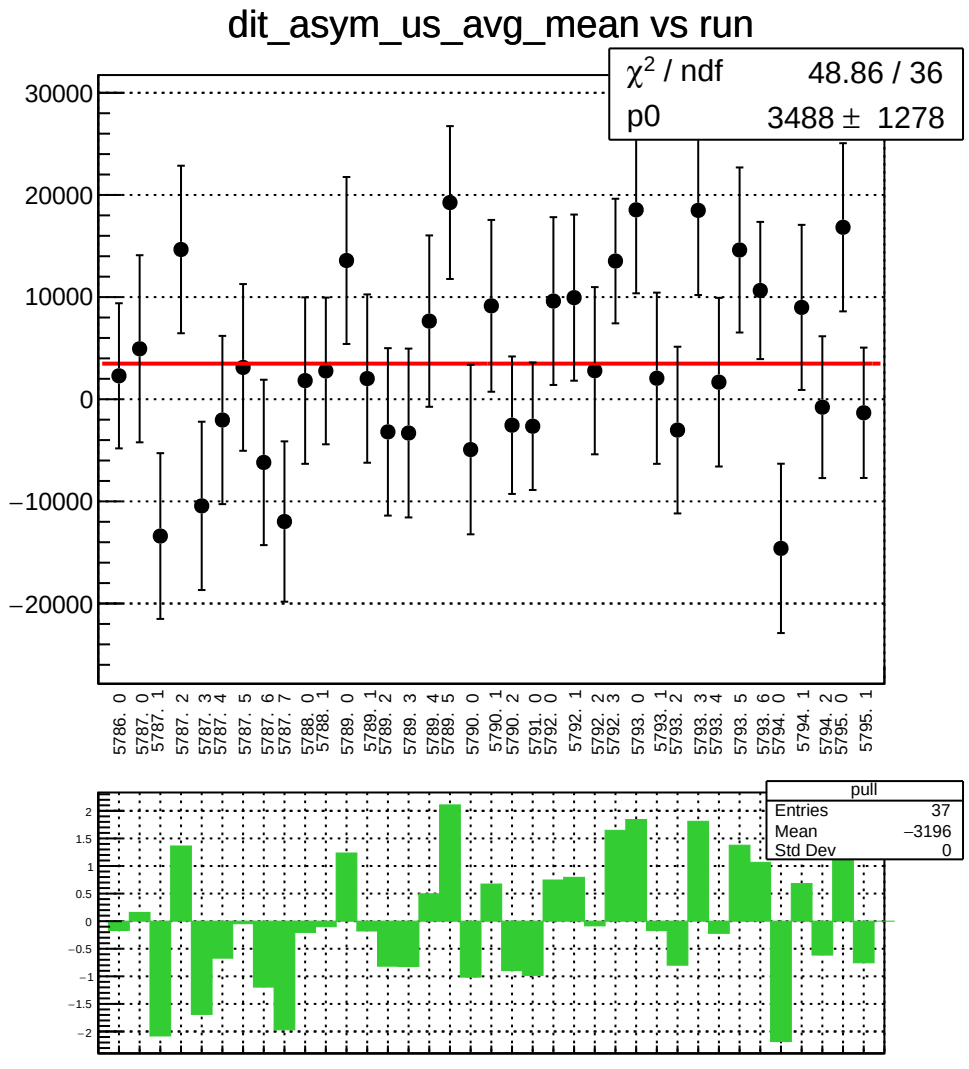
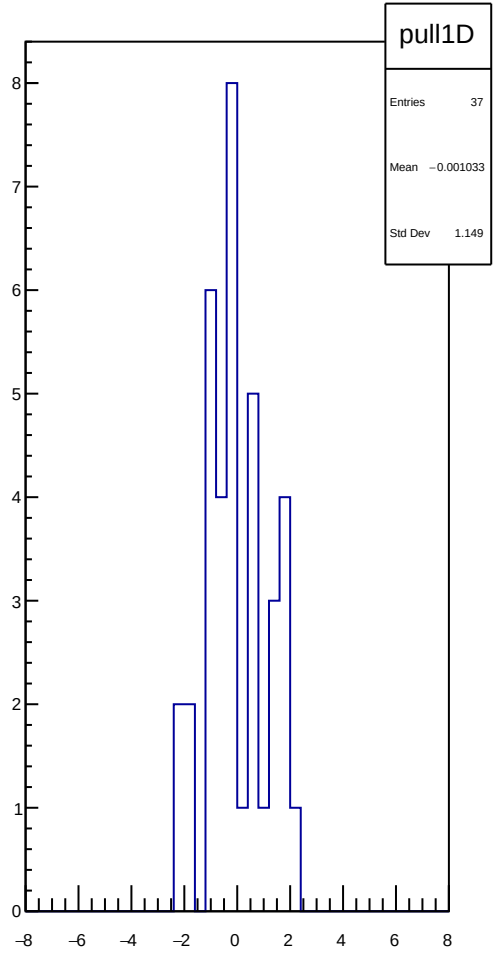
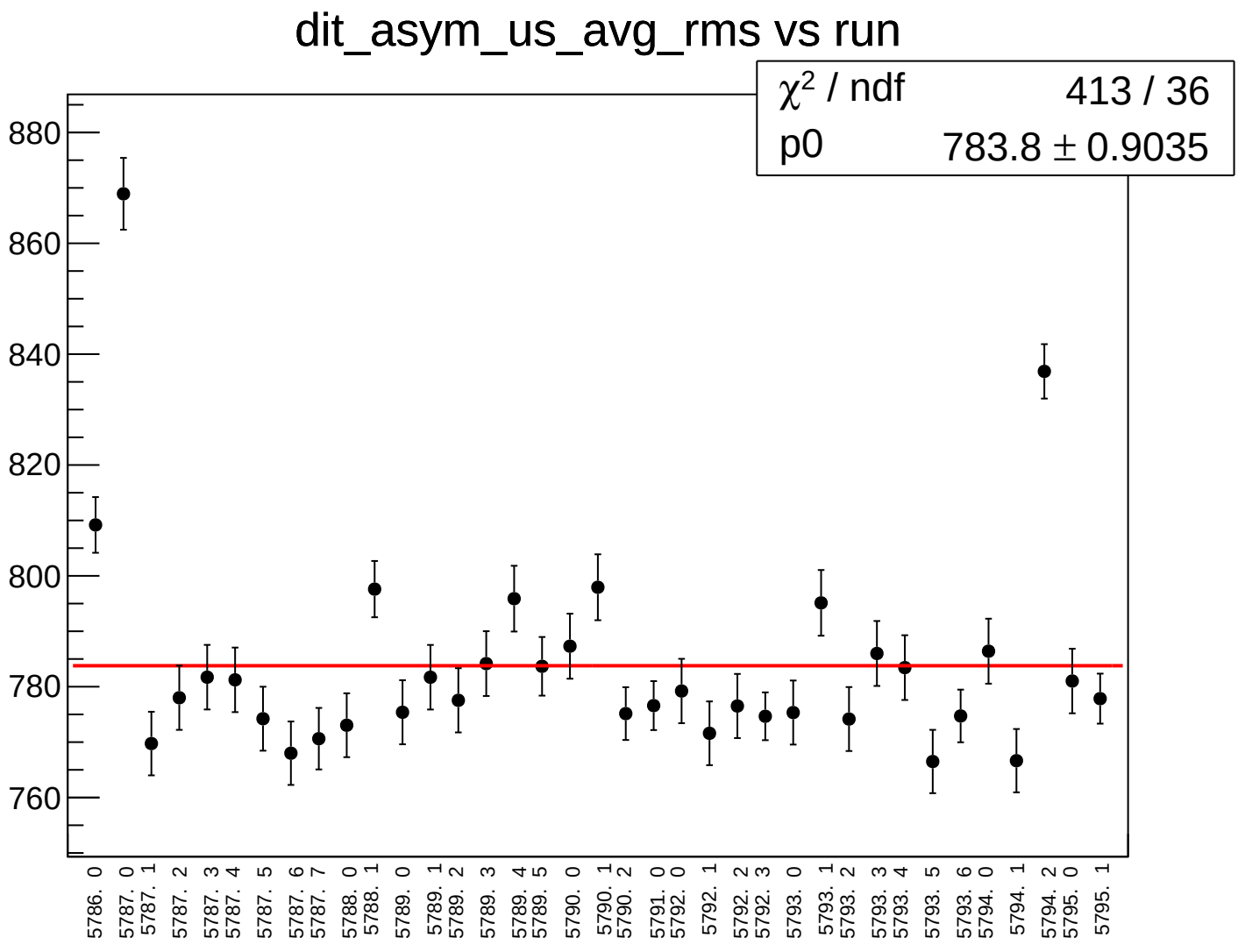
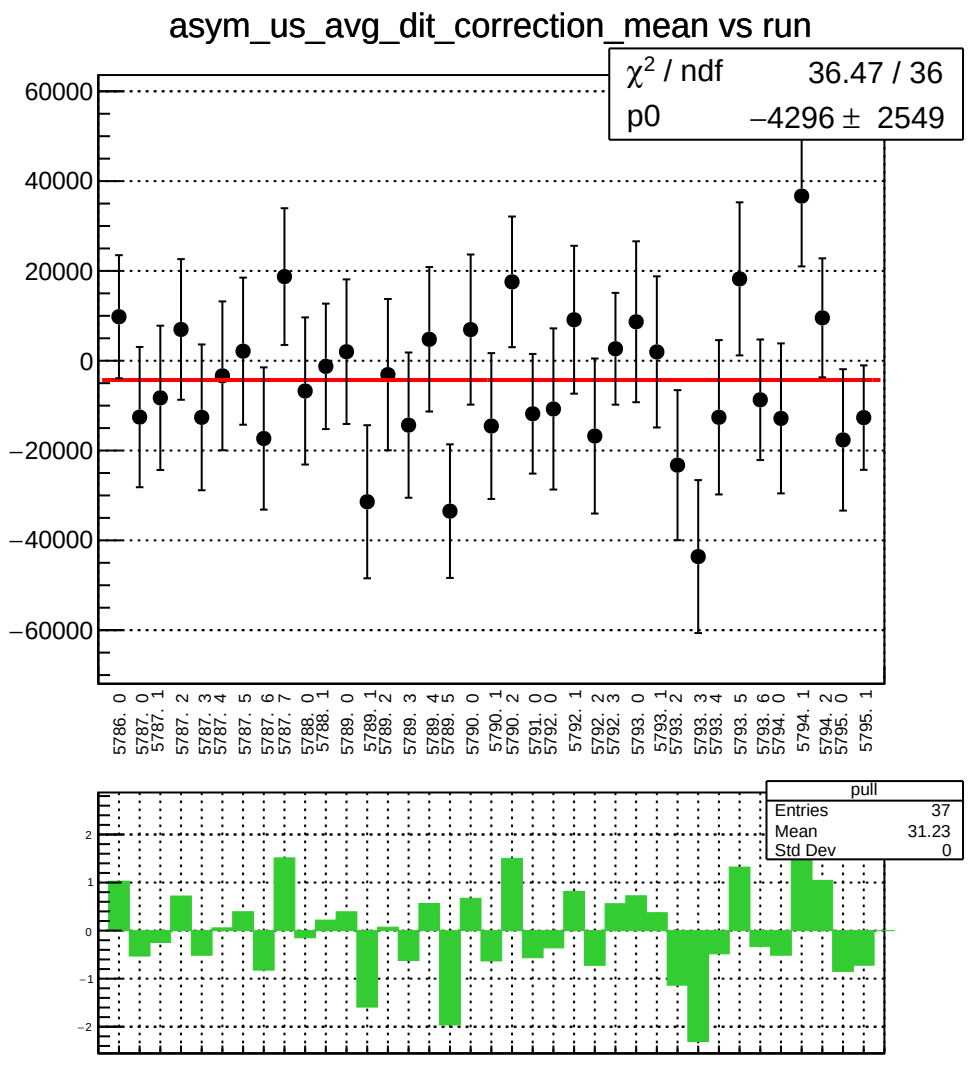
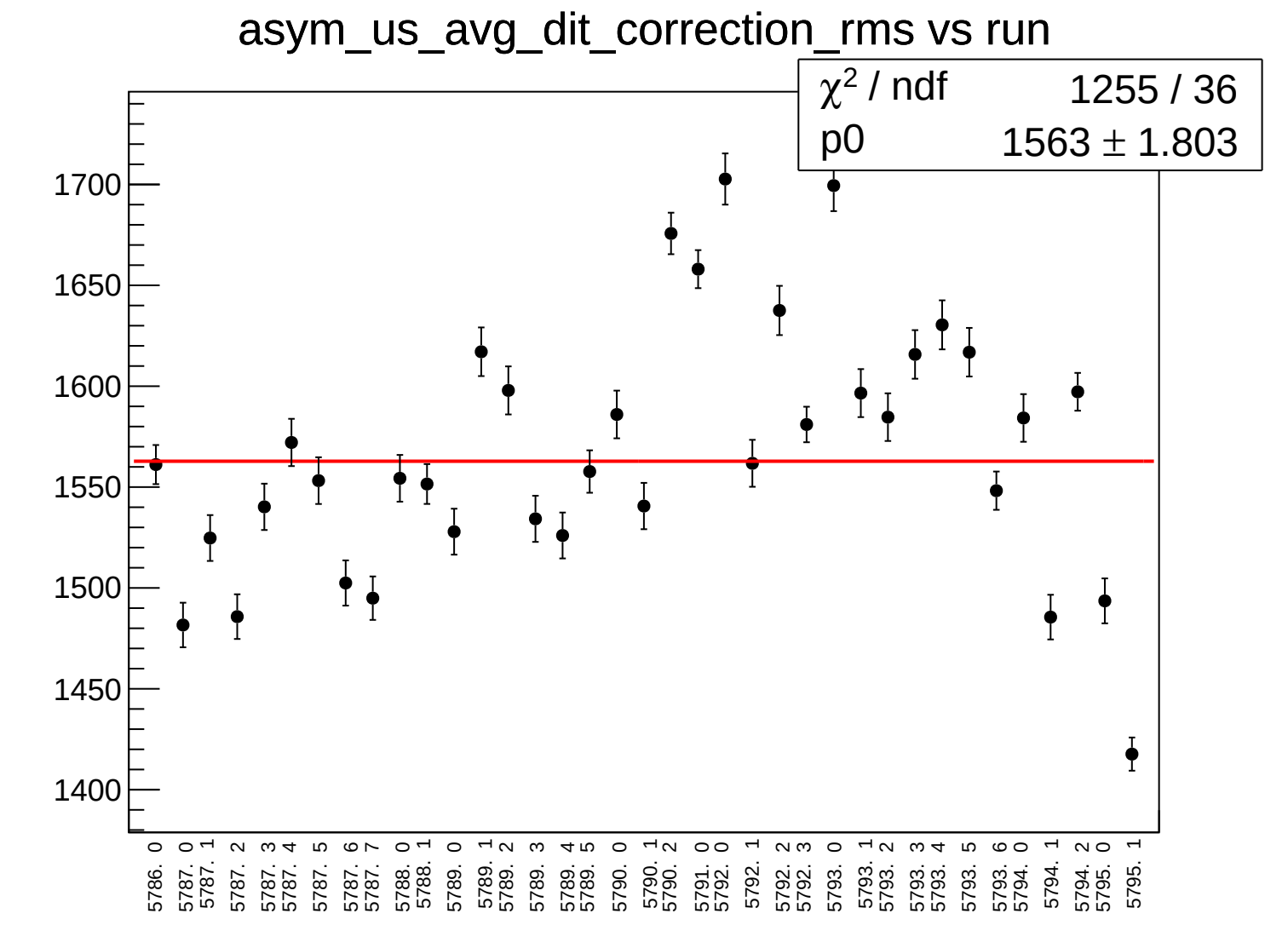
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

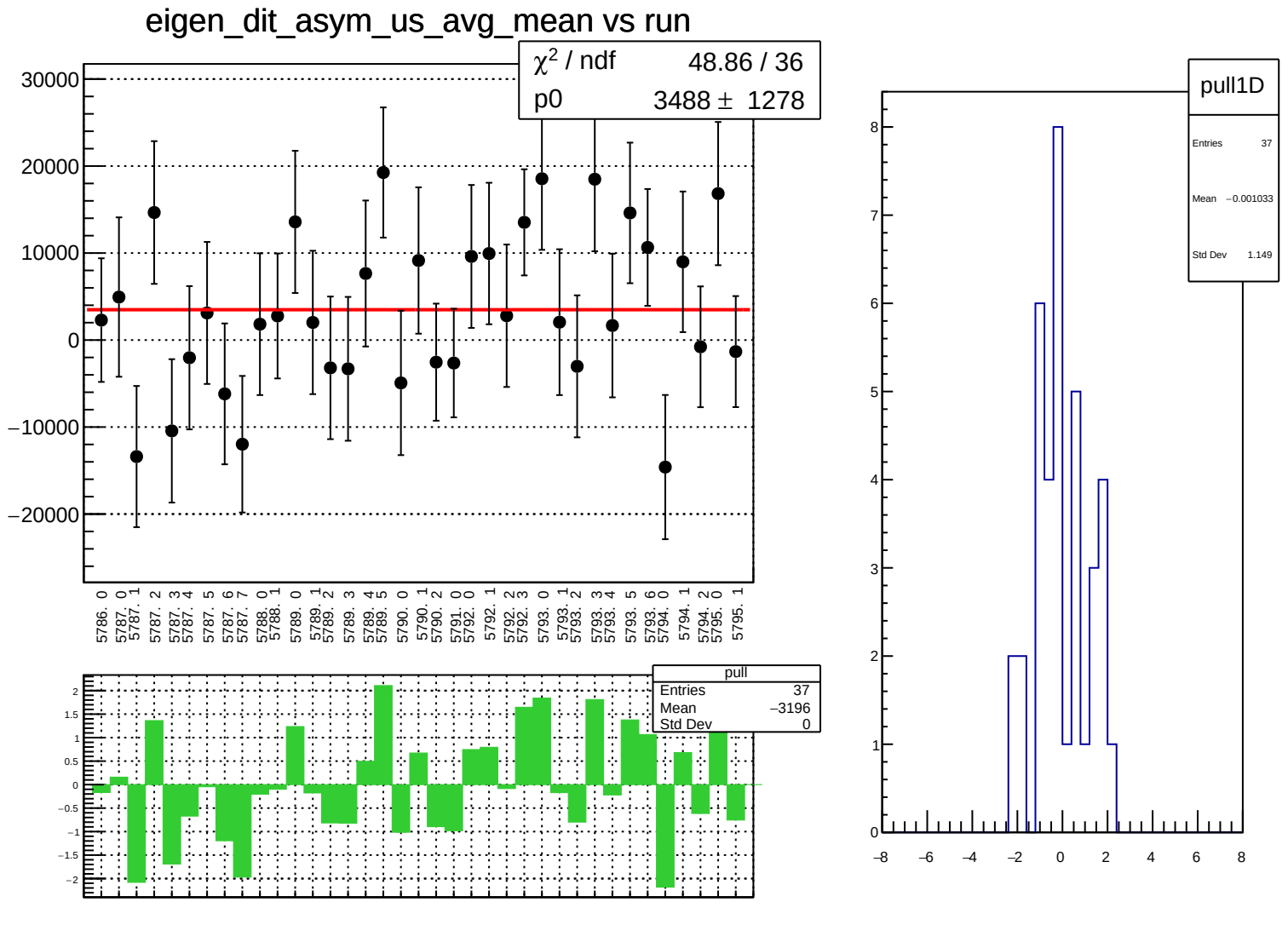

dit_asym_us_avg_mean vs run
χ² / ndf 48.86 / 36
p0 3488 ± 1278
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

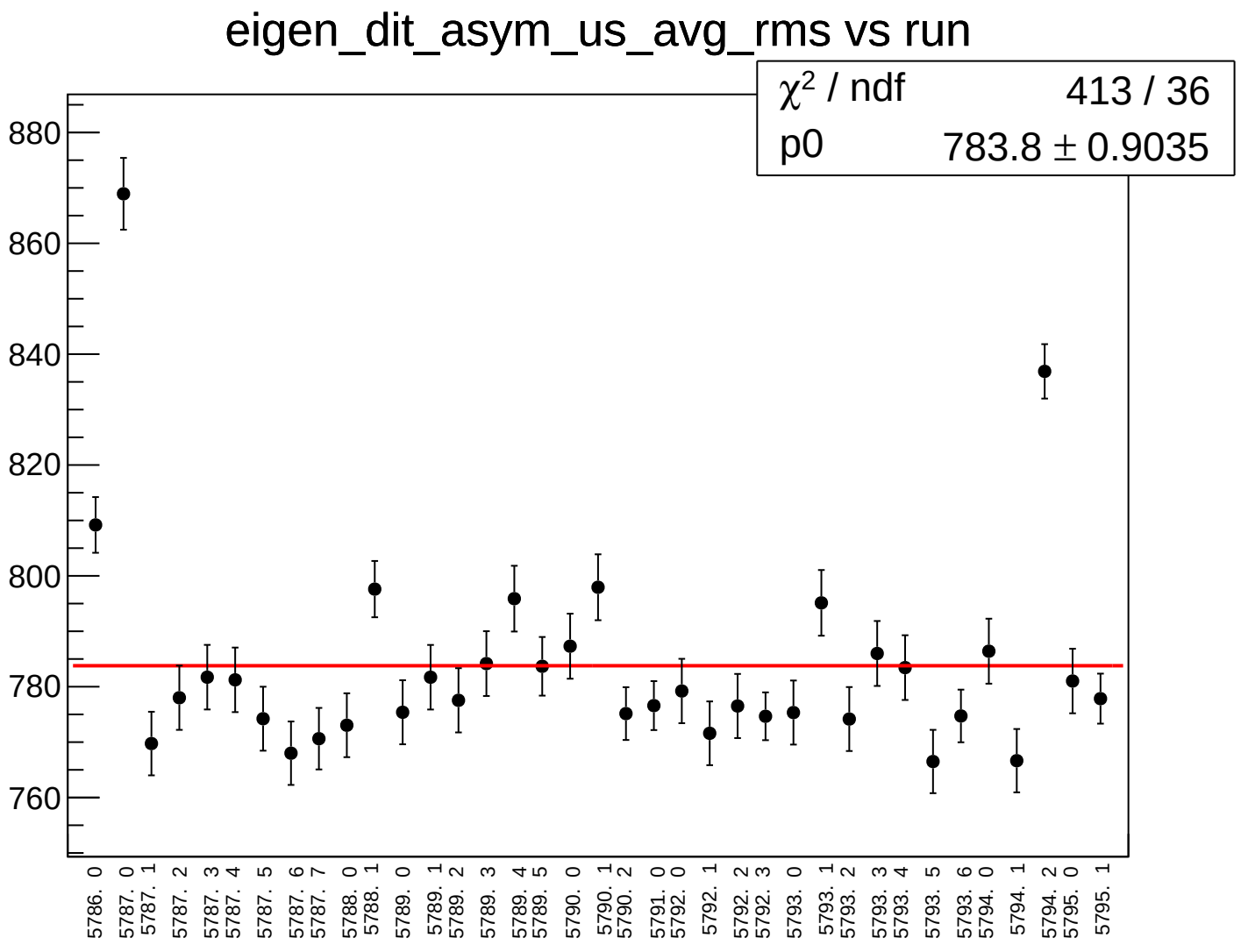

pull1D
Entries 37
Mean −0.001033
Std Dev 1.149
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

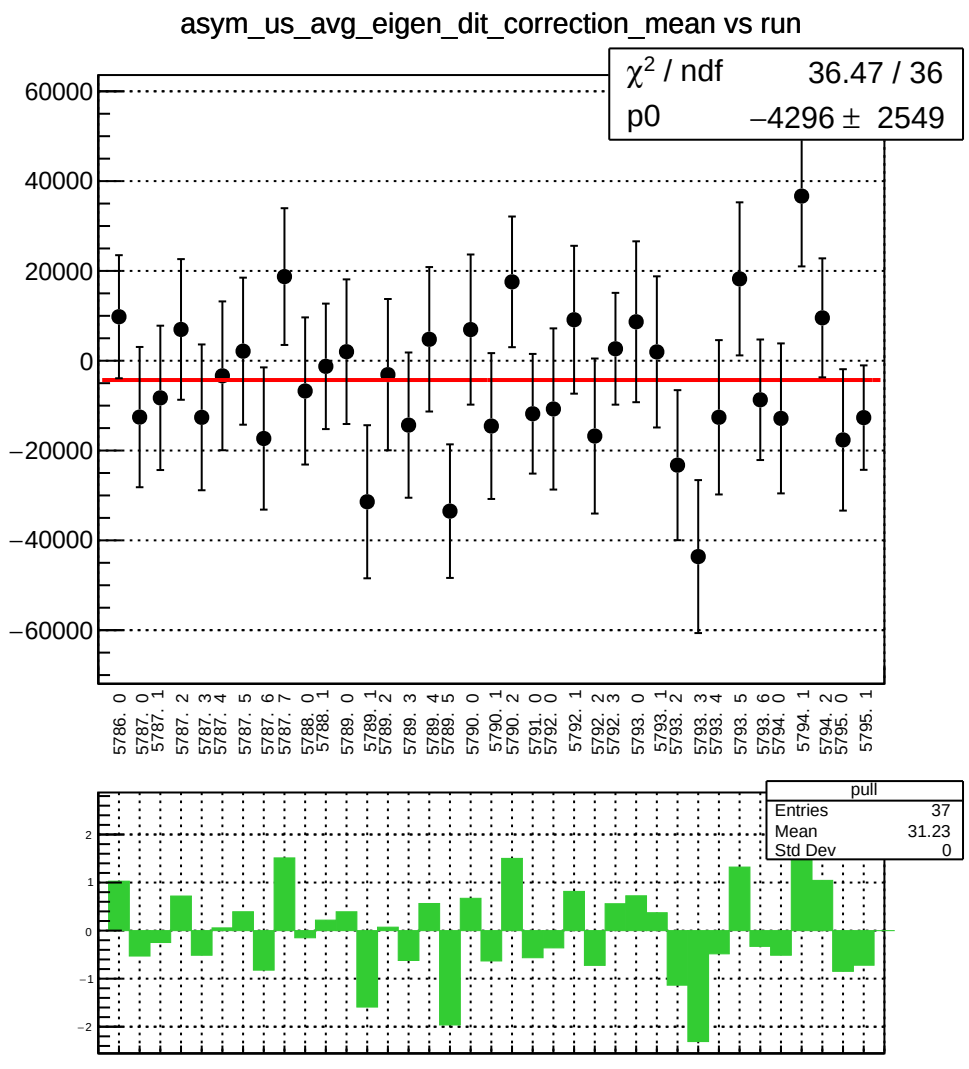

dit_asym_us_avg_rms vs run
χ² / ndf 413 / 36
p0 783.8 ± 0.9035
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

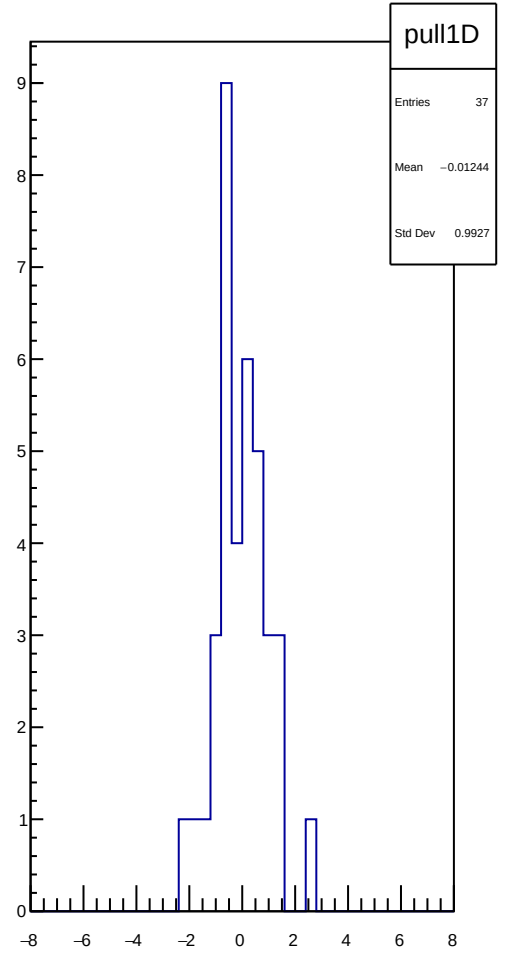

asym_us_avg_dit_correction_mean vs run
χ² / ndf 36.47 / 36
p0 −4296 ± 2549
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.23
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01244
Std Dev 0.9927
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

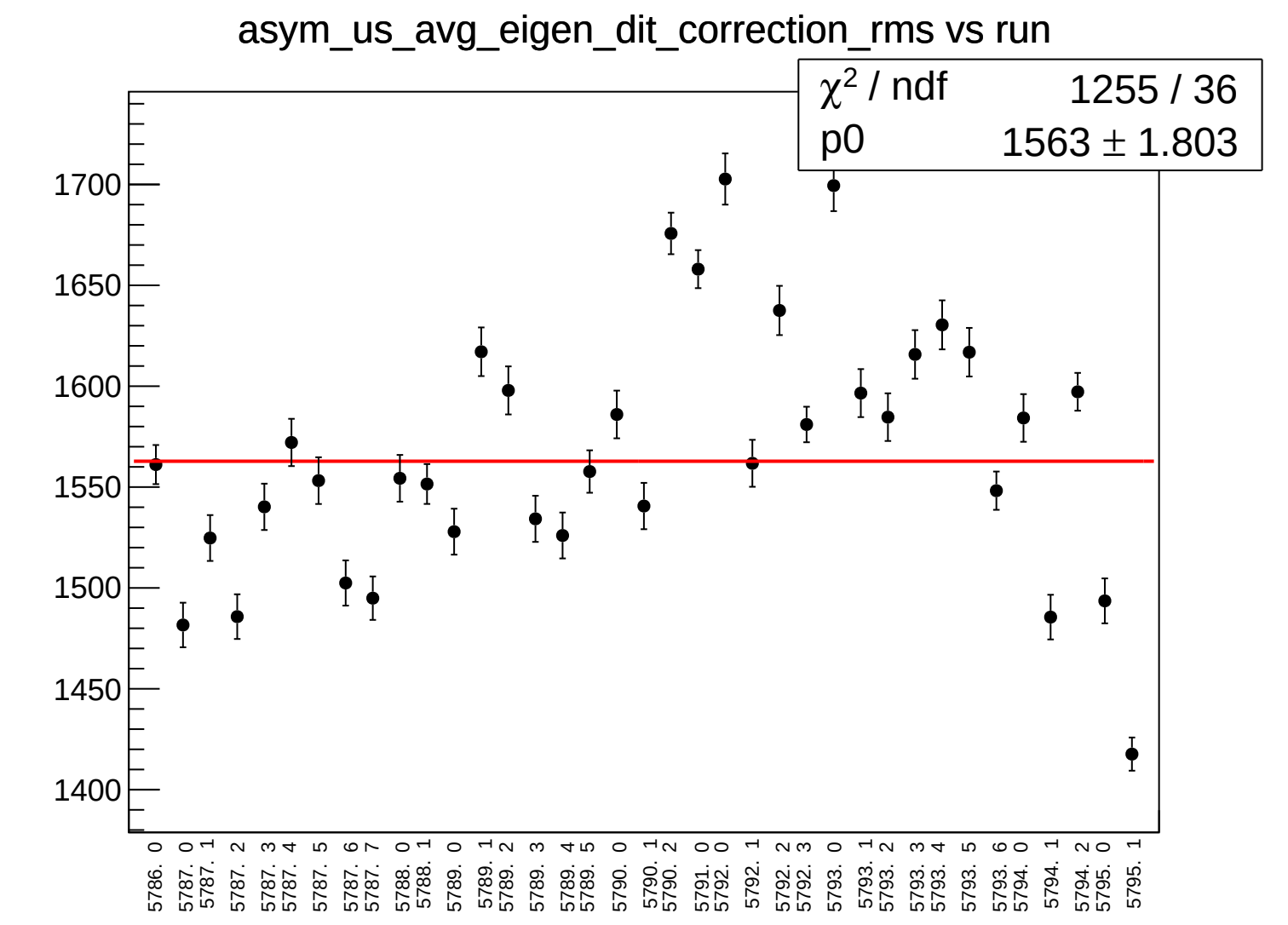

asym_us_avg_dit_correction_rms vs run
χ² / ndf 1255 / 36
p0 1563 ± 1.803
1700
1650
1600
1550
1500
1450
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

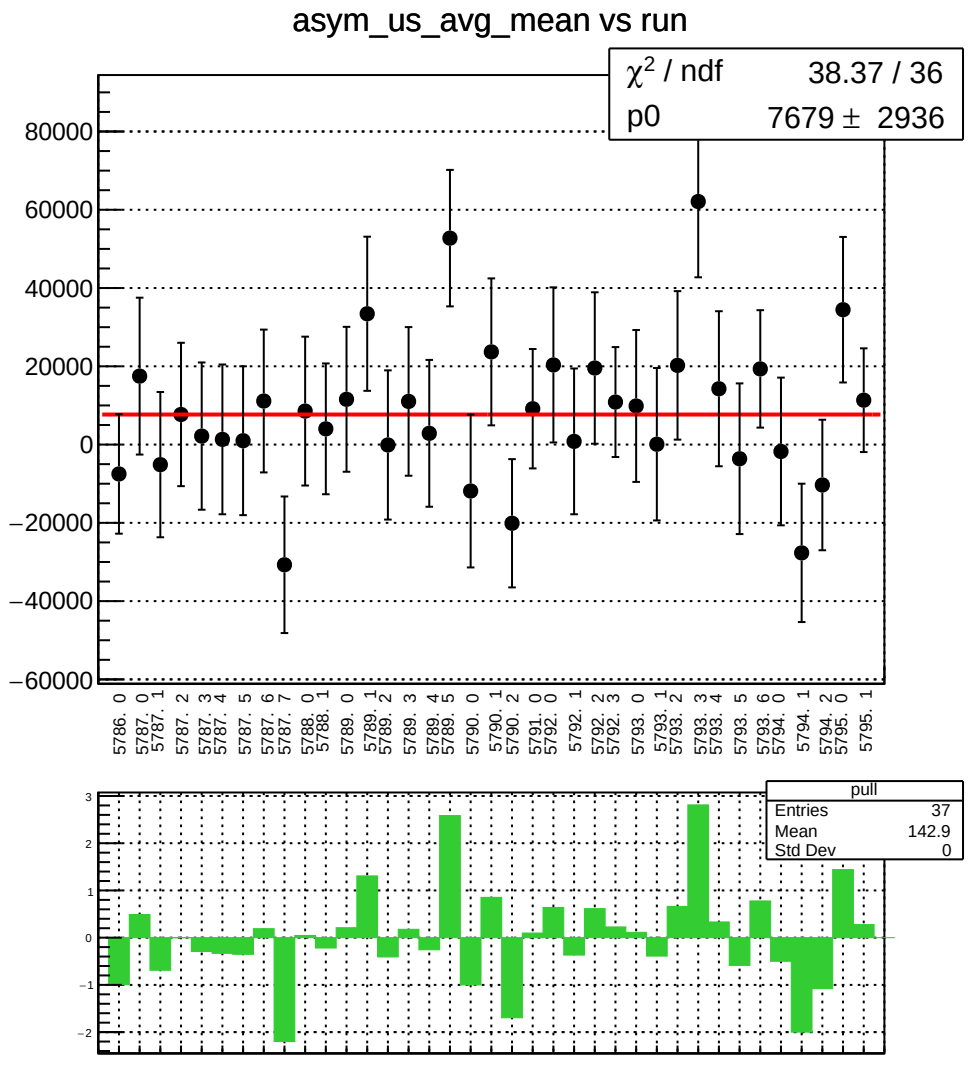

eigen_dit_asym_us_avg_mean vs run
χ² / ndf 48.86 / 36
p0 3488 ± 1278
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3196
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001033
Std Dev 1.149
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

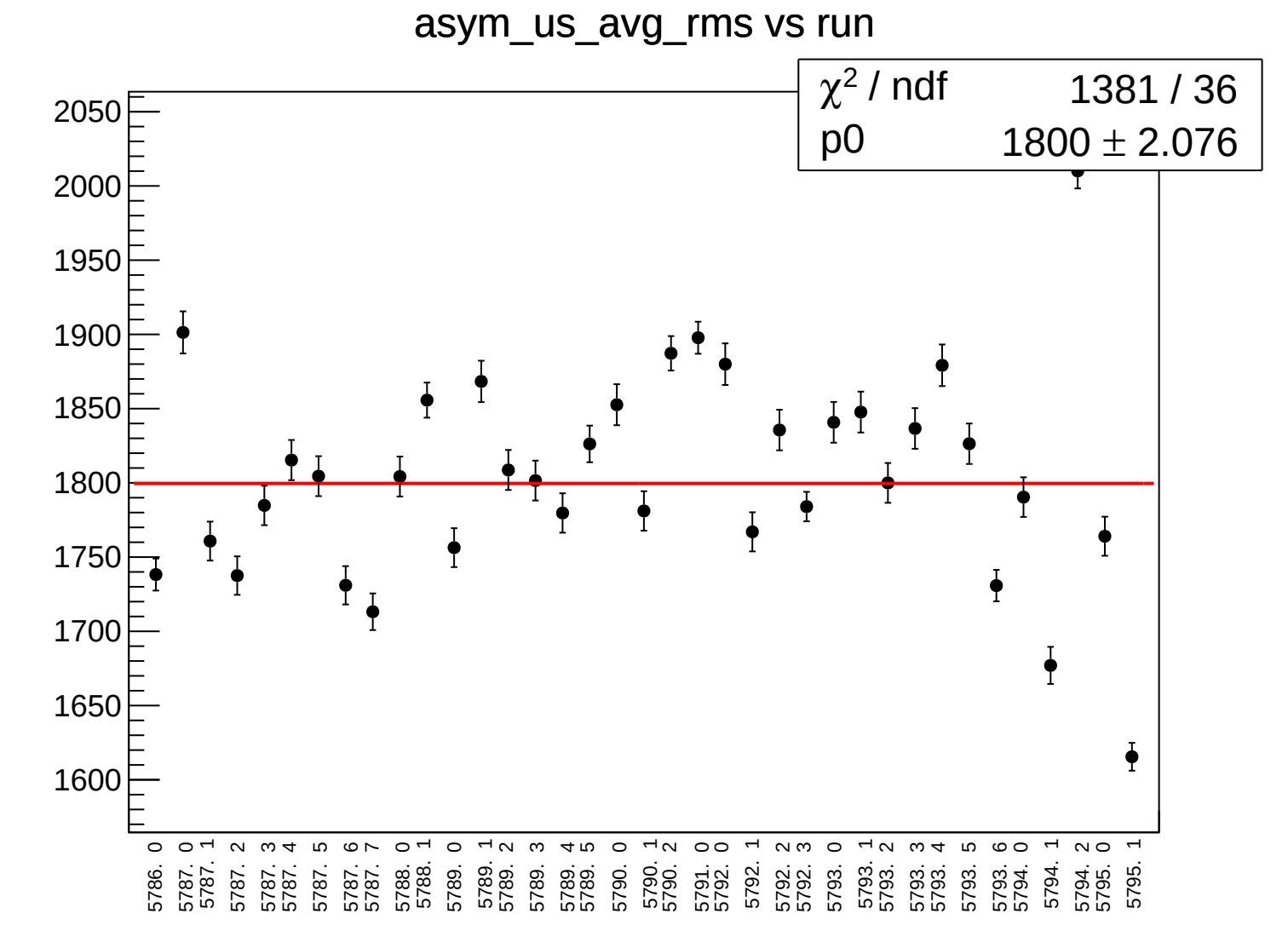

eigen_dit_asym_us_avg_rms vs run
χ² / ndf 413 / 36
p0 783.8 ± 0.9035
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

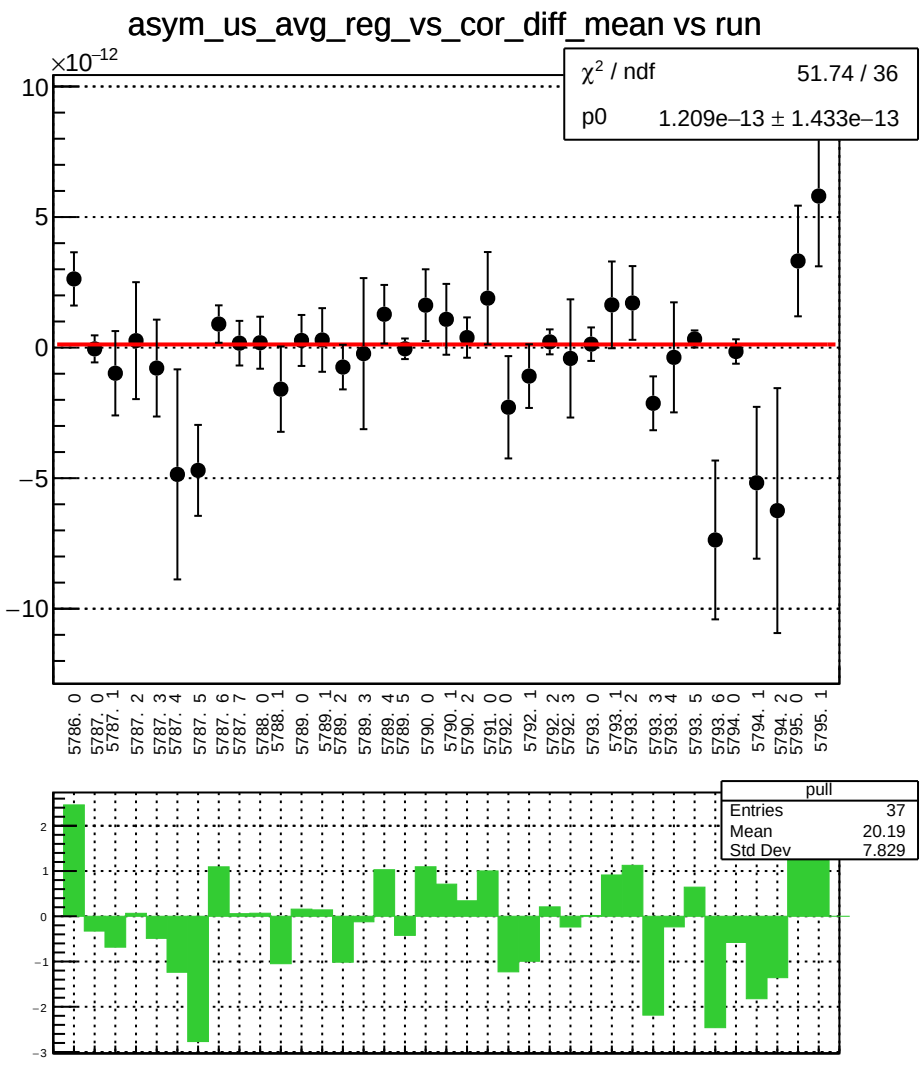

asym_us_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.47 / 36
p0 −4296 ± 2549
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.23
Std Dev 0
2
1
0
−1
−2

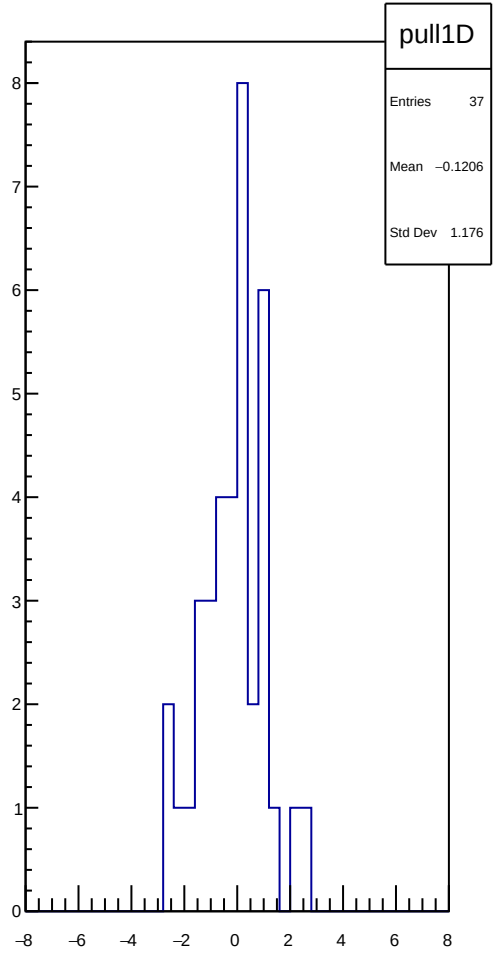

pull1D
Entries 37
Mean −0.01244
Std Dev 0.9927
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

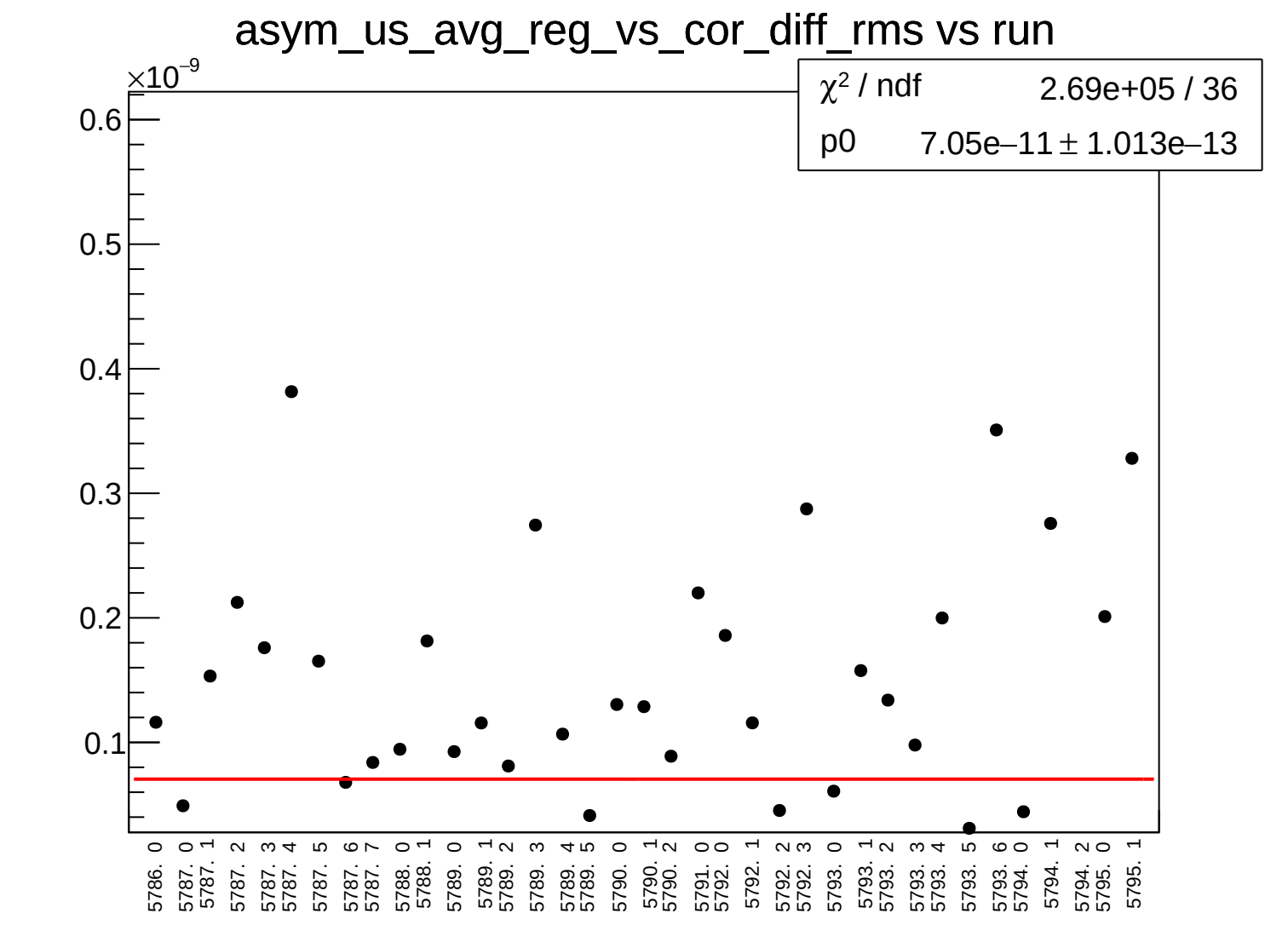

asym_us_avg_eigen_dit_correction_rms vs run
χ² / ndf 1255 / 36
p0 1563 ± 1.803
1700
1650
1600
1550
1500
1450
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

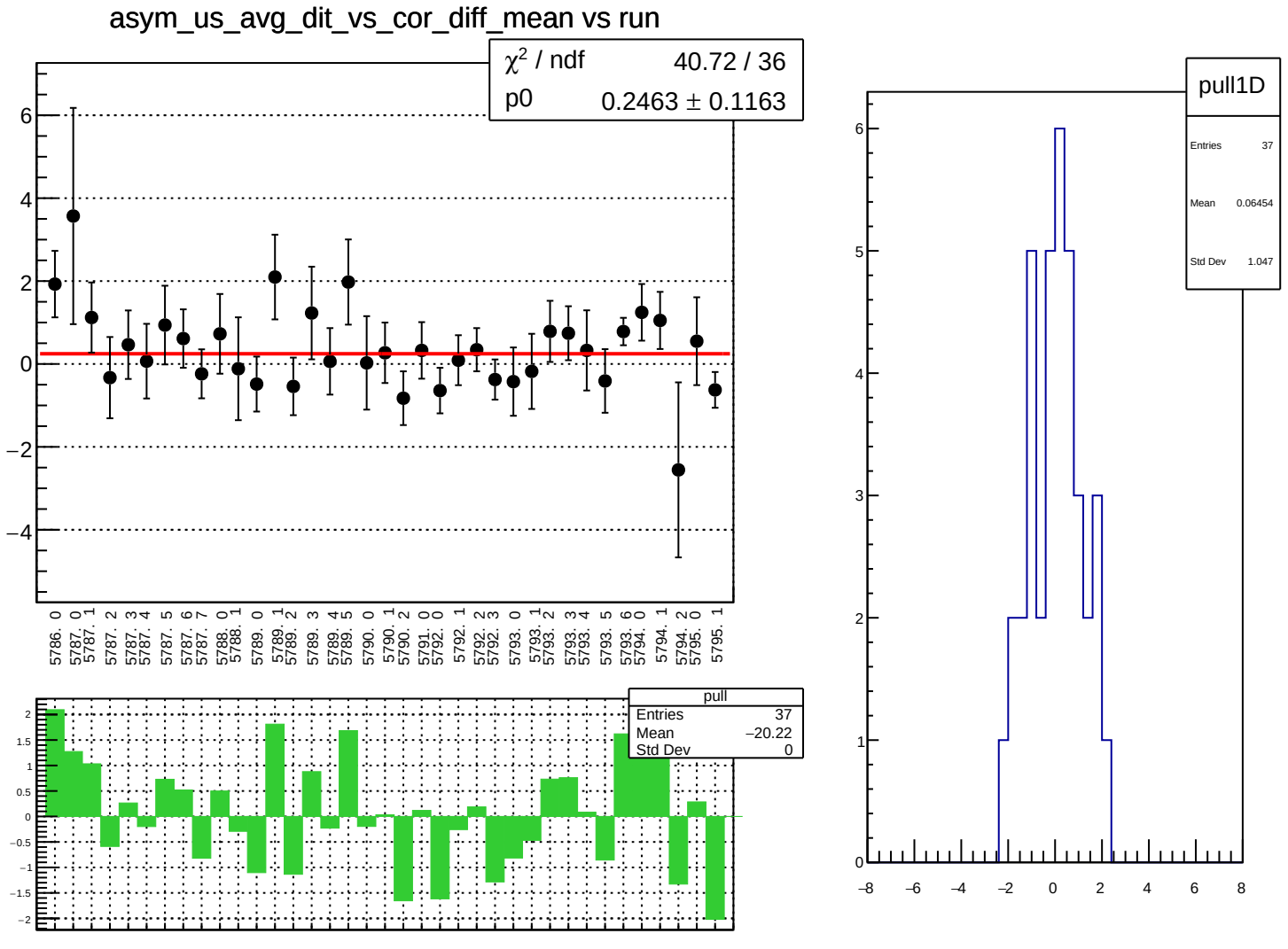

asym_us_avg_mean vs run
χ² / ndf 38.37 / 36
p0 7679 ± 2936
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 142.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01307
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

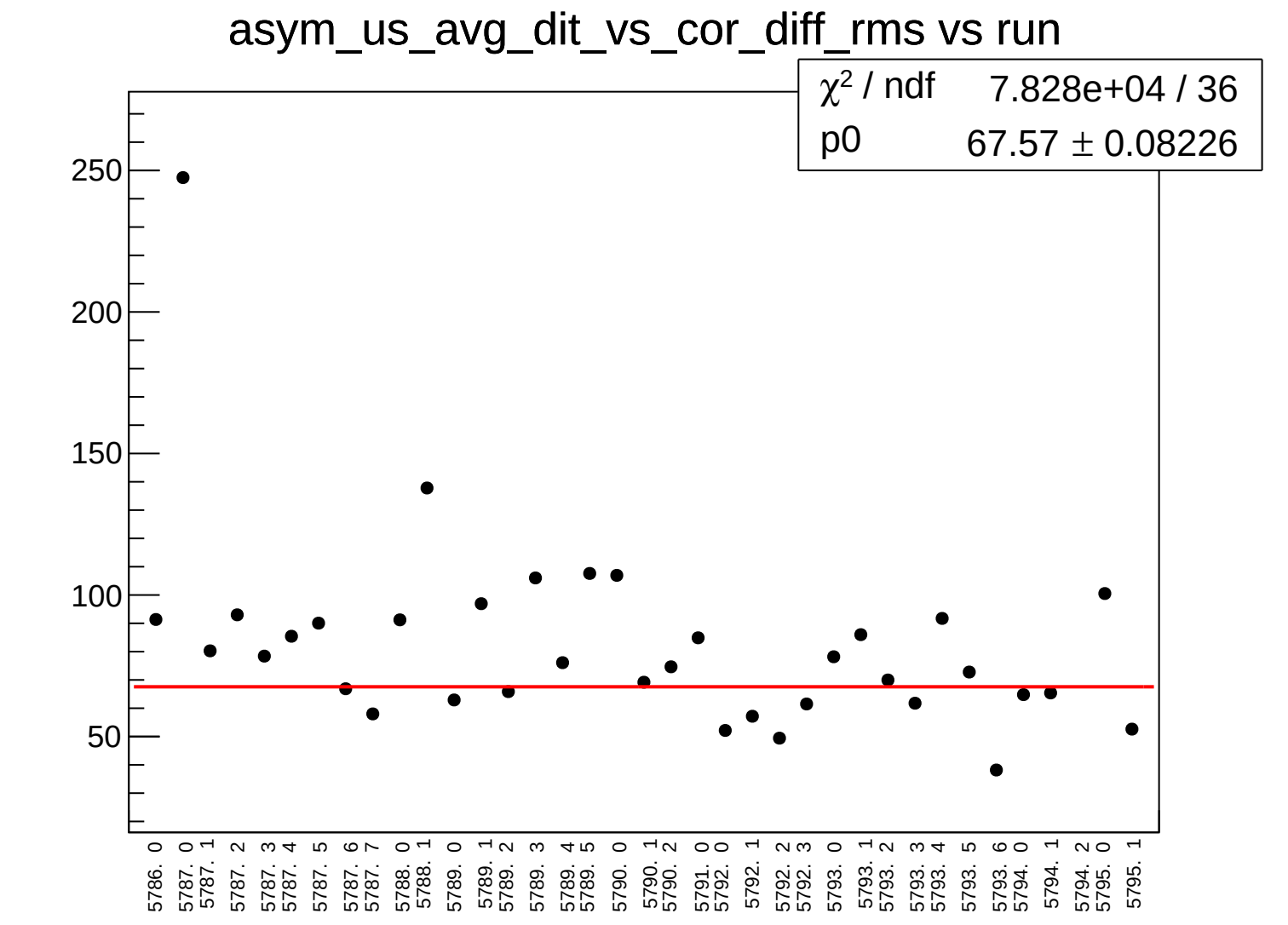

asym_us_avg_rms vs run
χ² / ndf 1381 / 36
p0 1800 ± 2.076
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

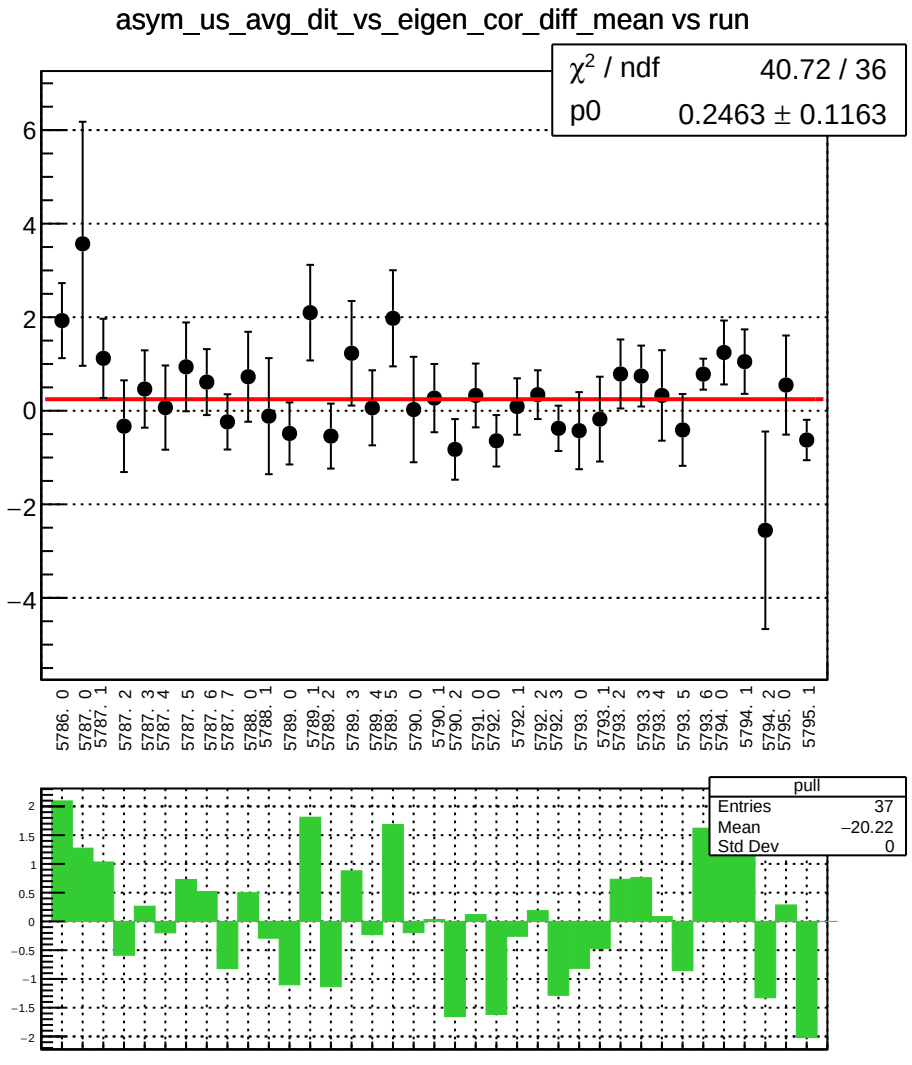

asym_us_avg_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.74 / 36
p0 1.209e−13 ± 1.433e−13
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.19
Std Dev 7.829
2
1
0
−1
−2
−3

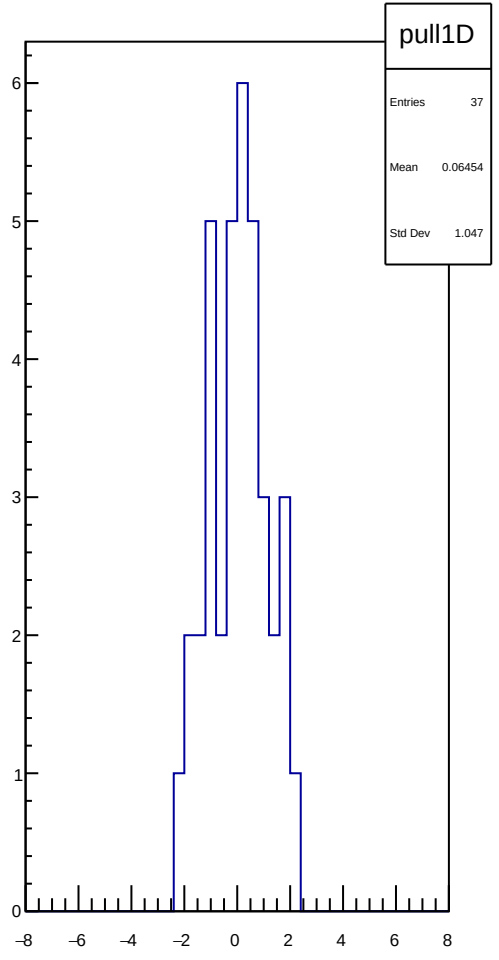

pull1D
Entries 37
Mean −0.1206
Std Dev 1.176
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

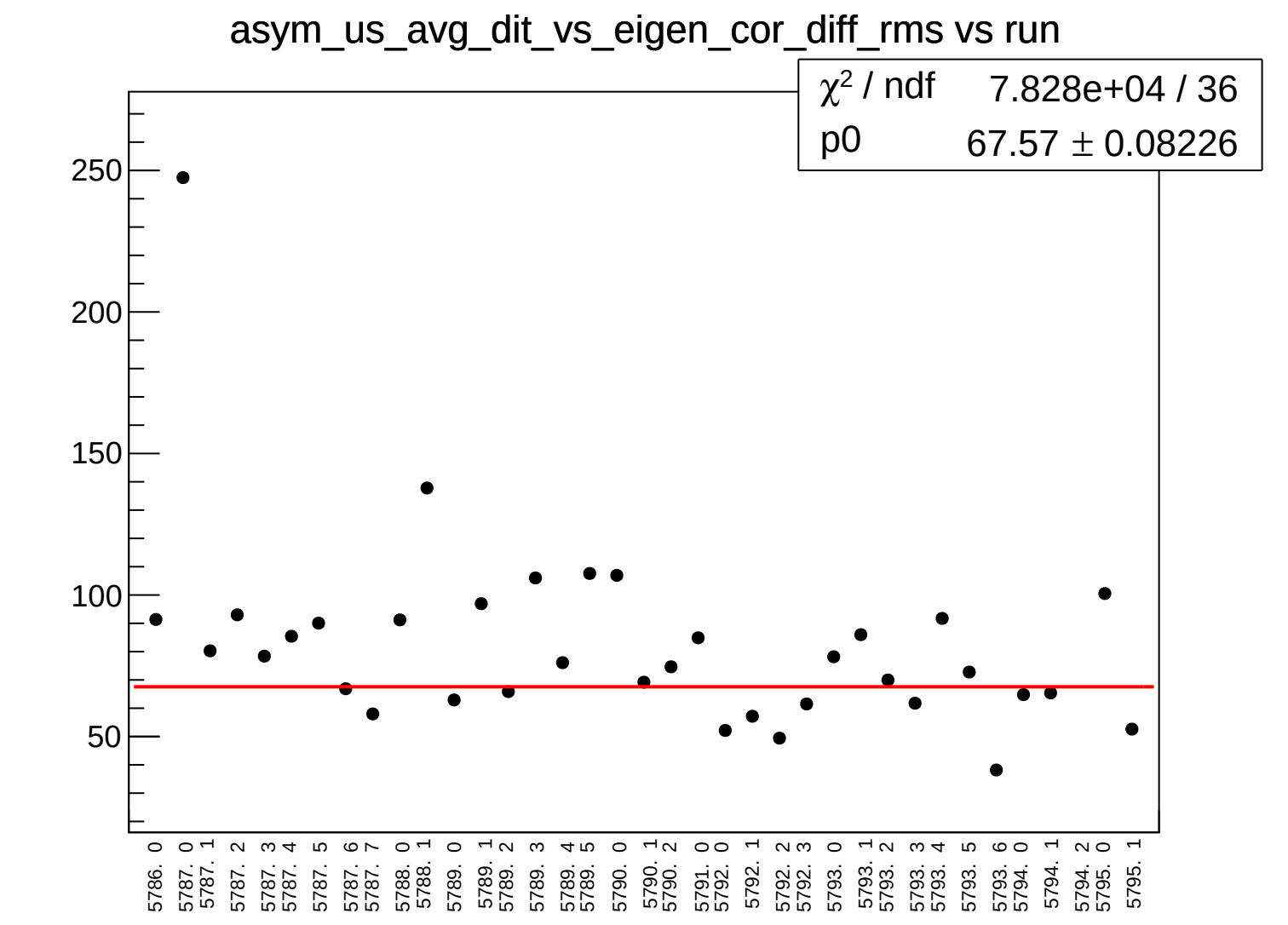

asym_us_avg_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.69e+05 / 36
p0 7.05e−11 ± 1.013e−13
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

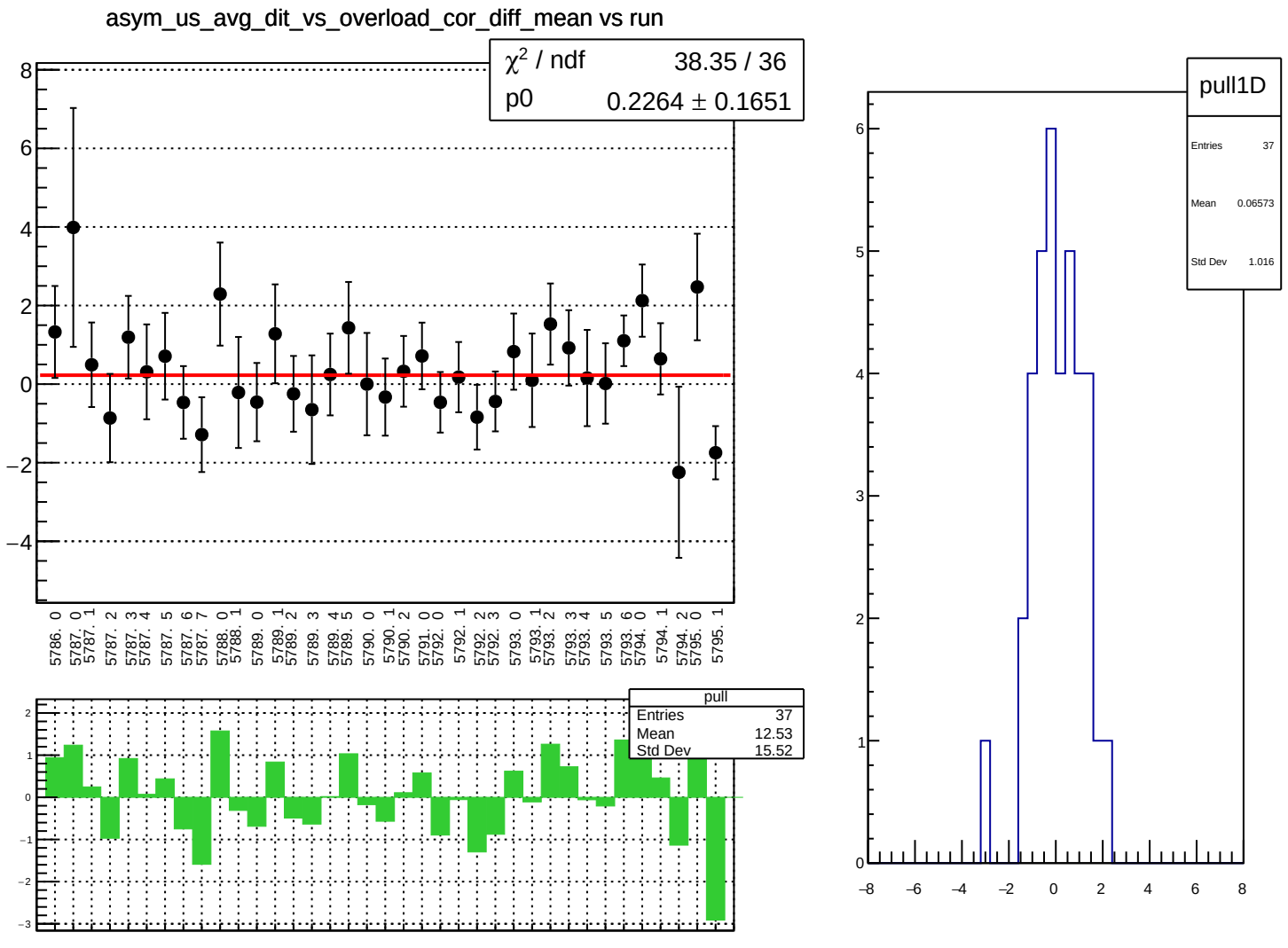

asym_us_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.72 / 36
p0 0.2463 ± 0.1163
pull
Entries 37
Mean −20.22
Std Dev 0
pull1D
Entries 37
Mean 0.06454
Std Dev 1.047

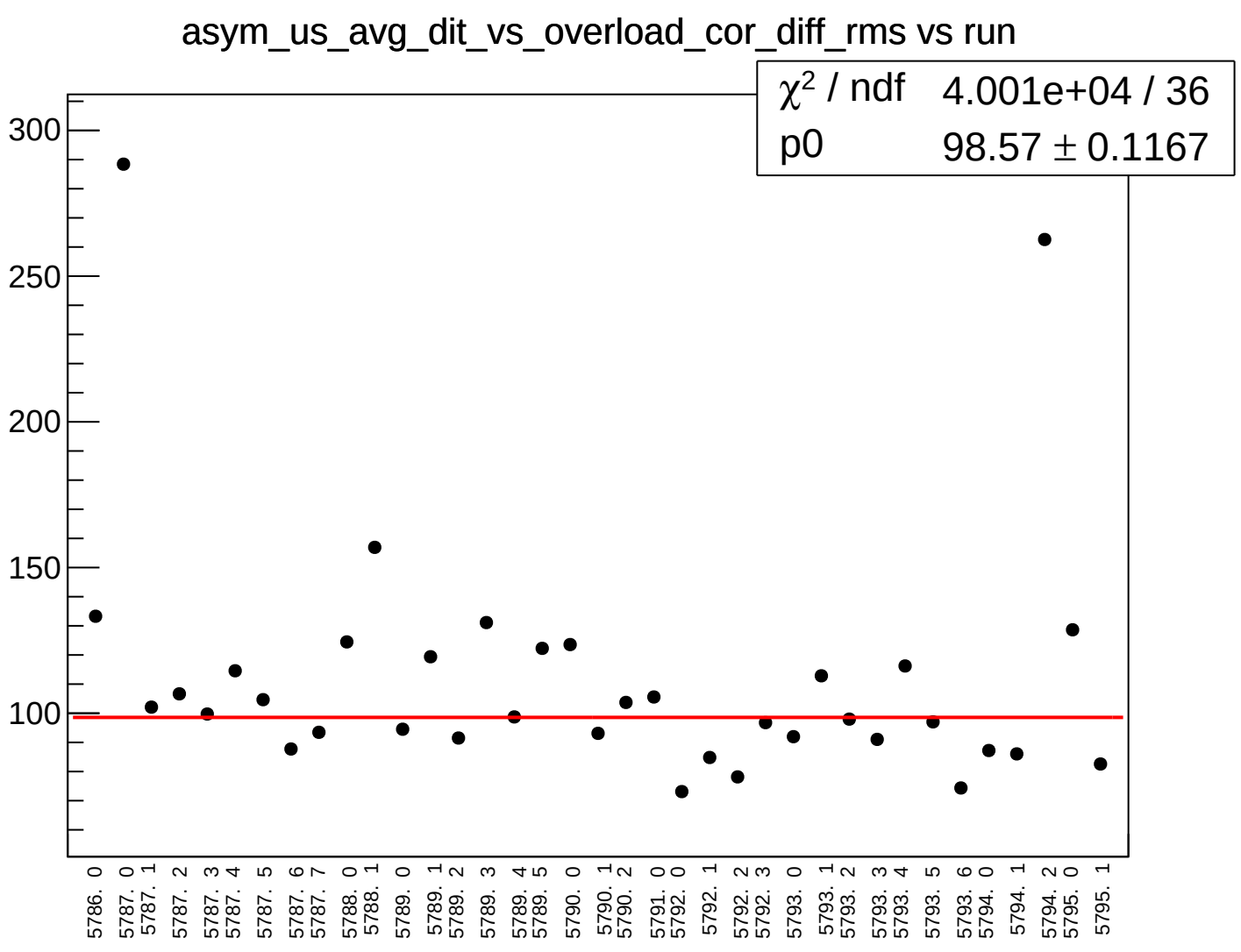

asym_us_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.828e+04 / 36
p0 67.57 ± 0.08226
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

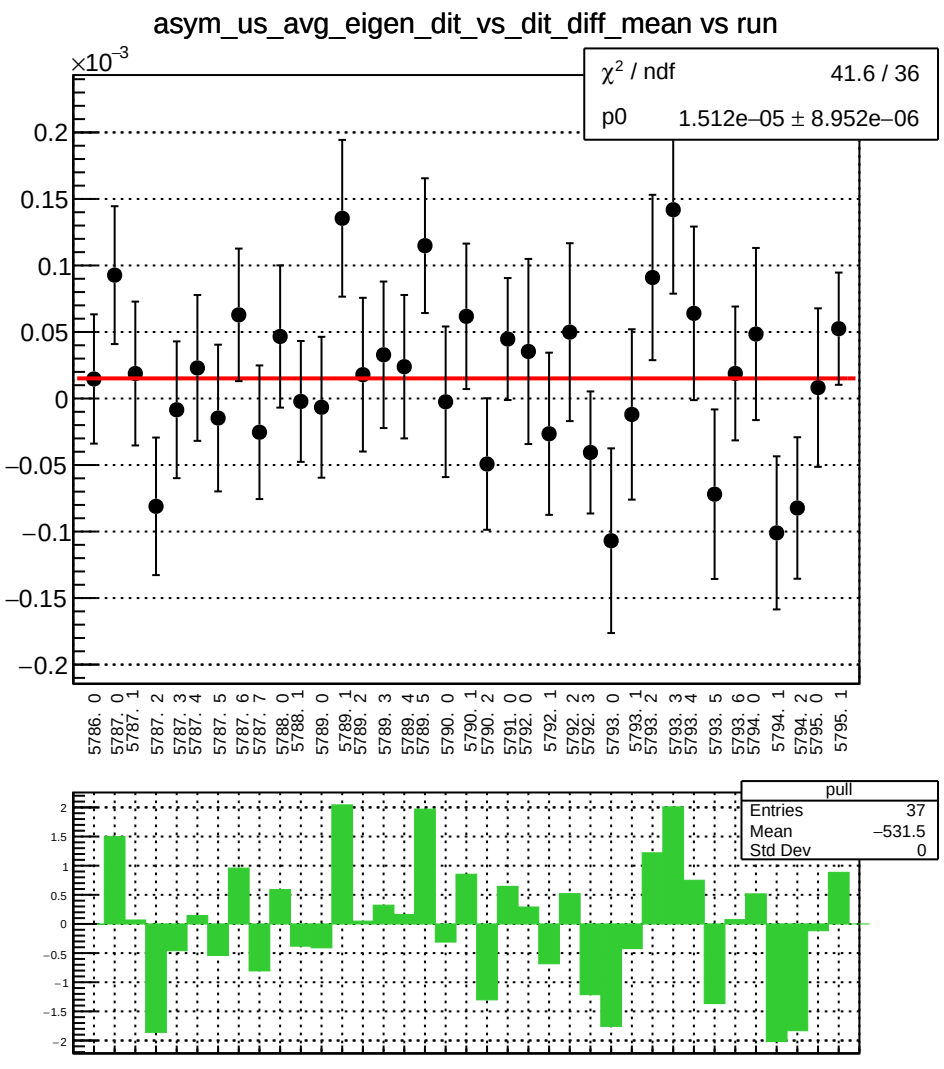

asym_us_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.72 / 36
p0 0.2463 ± 0.1163
pull
Entries 37
Mean −20.22
Std Dev 0

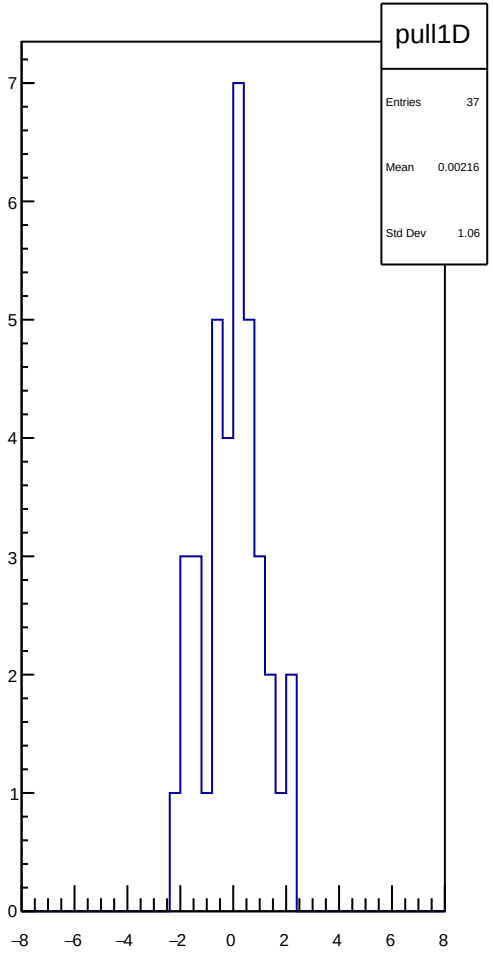

pull1D
Entries 37
Mean 0.06454
Std Dev 1.047

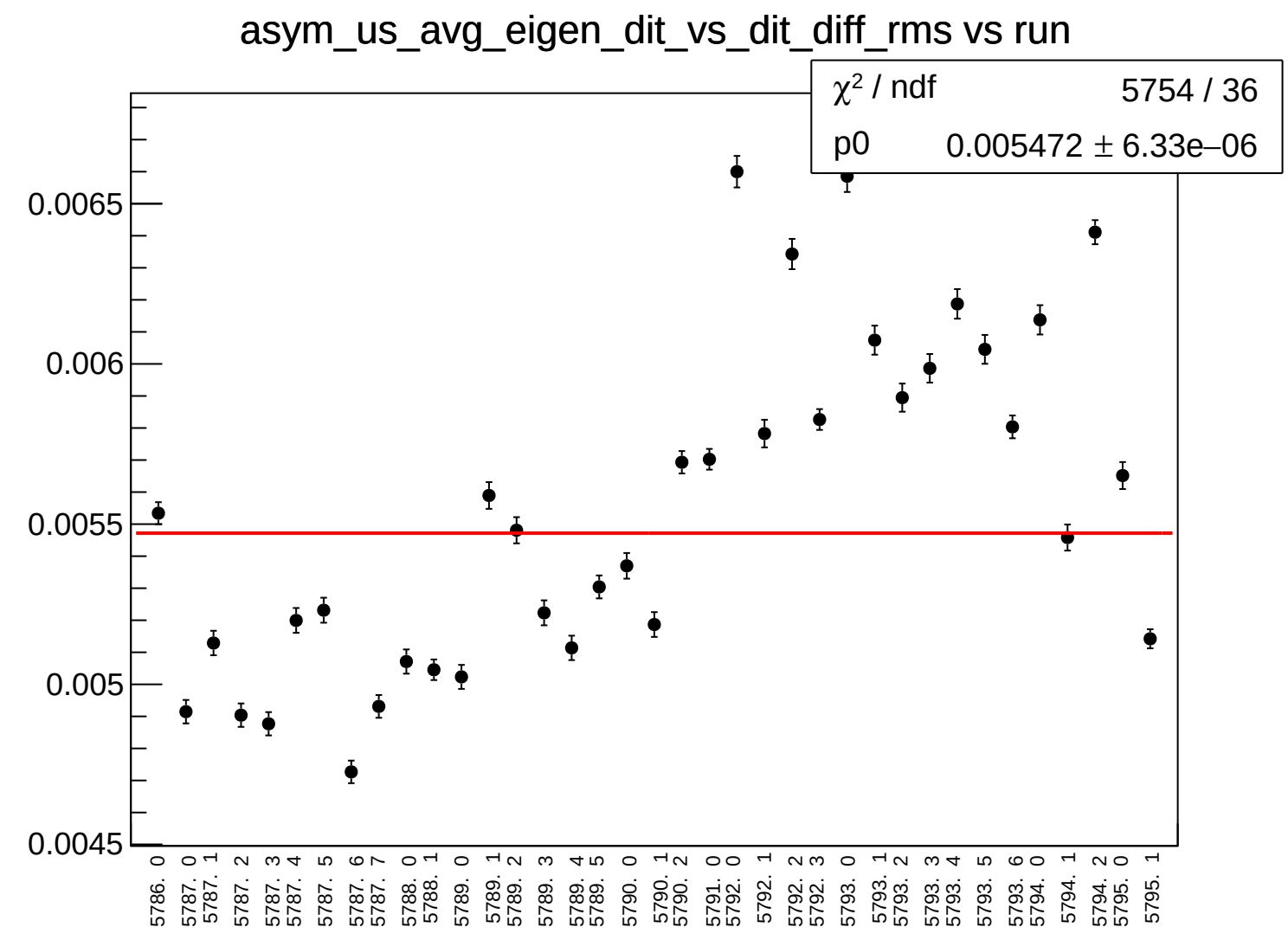

asym_us_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.828e+04 / 36
p0 67.57 ± 0.08226
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

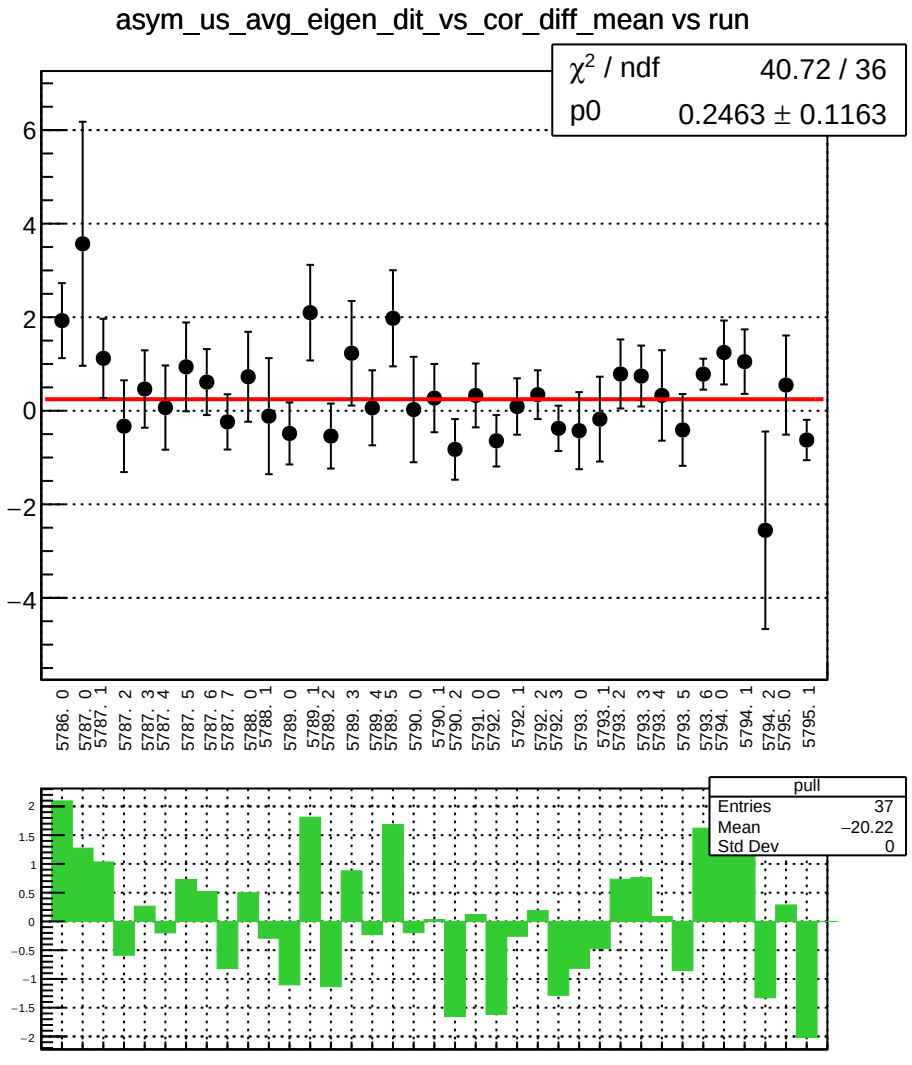

asym_us_avg_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 38.35 / 36
p0 0.2264 ± 0.1651
pull
Entries 37
Mean 12.53
Std Dev 15.52
pull1D
Entries 37
Mean 0.06573
Std Dev 1.016

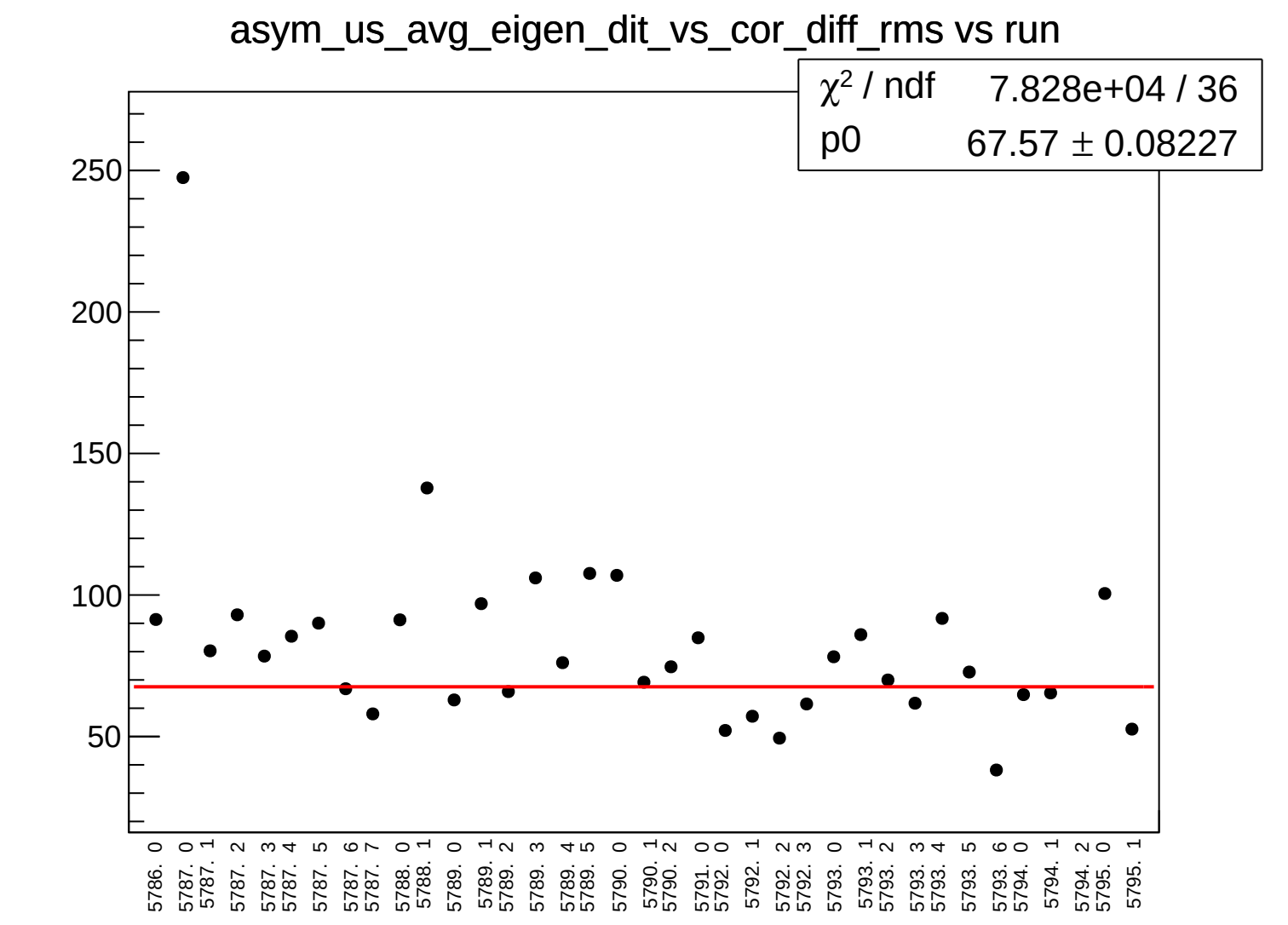

asym_us_avg_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.001e+04 / 36
p0 98.57 ± 0.1167
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

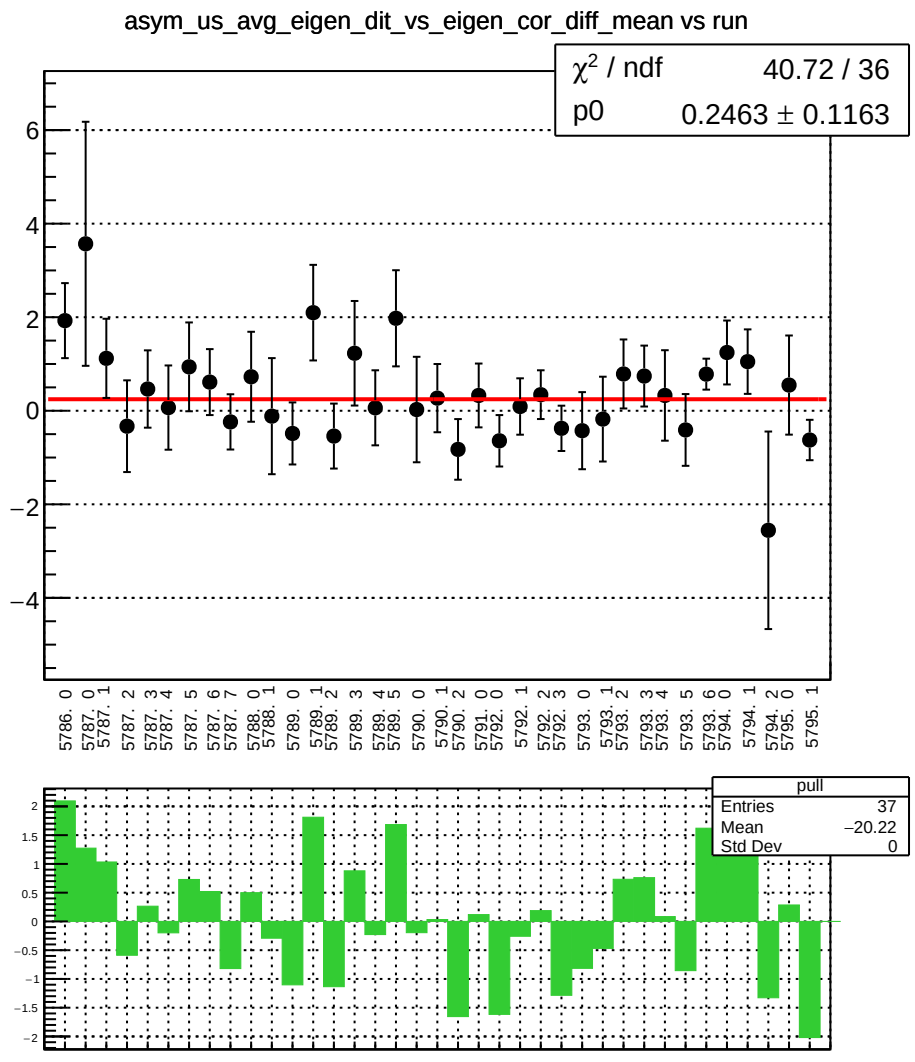

asym_us_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.6 / 36
p0 1.512e−05 ± 8.952e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −531.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

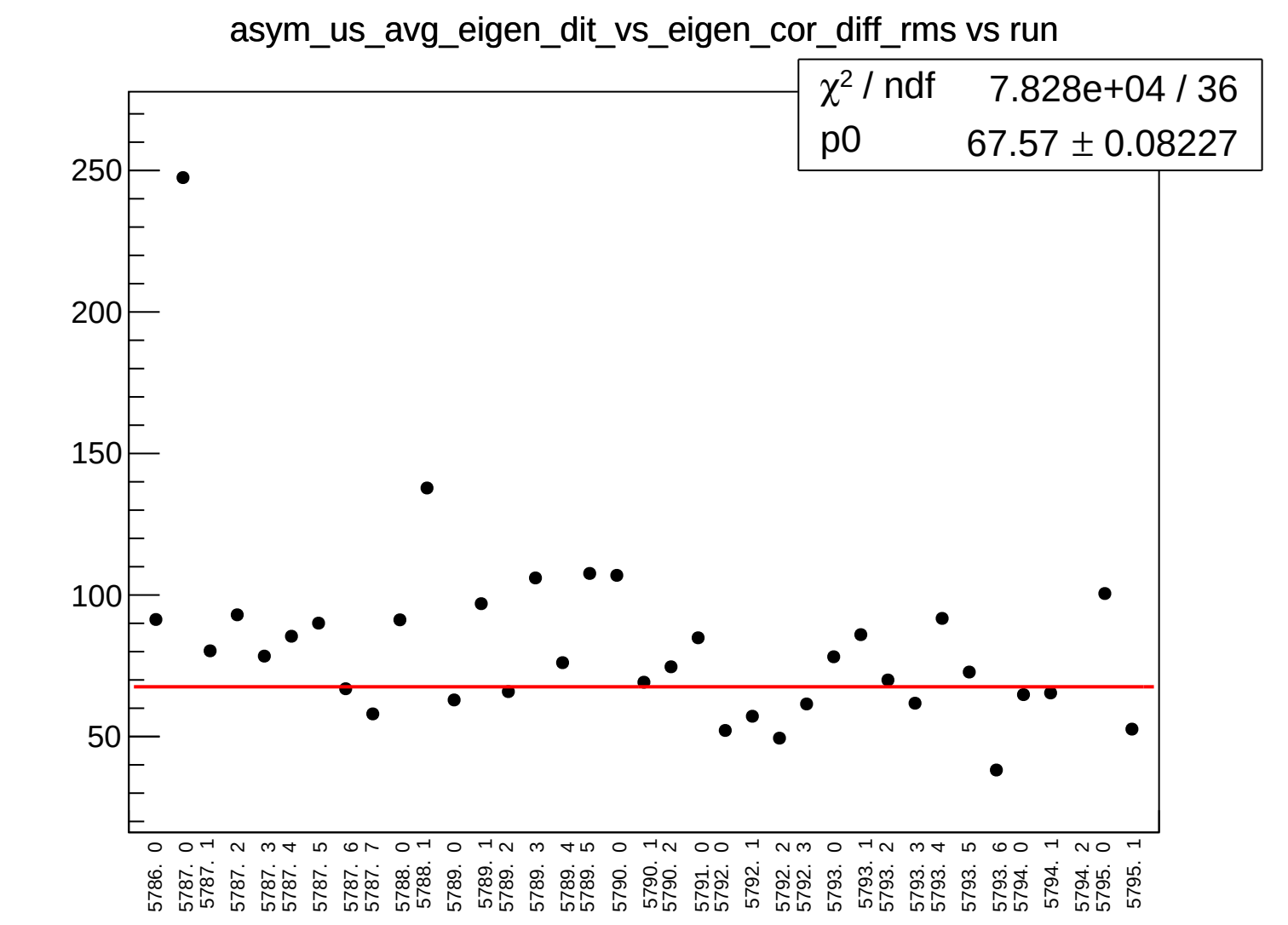

pull1D
Entries 37
Mean 0.00216
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

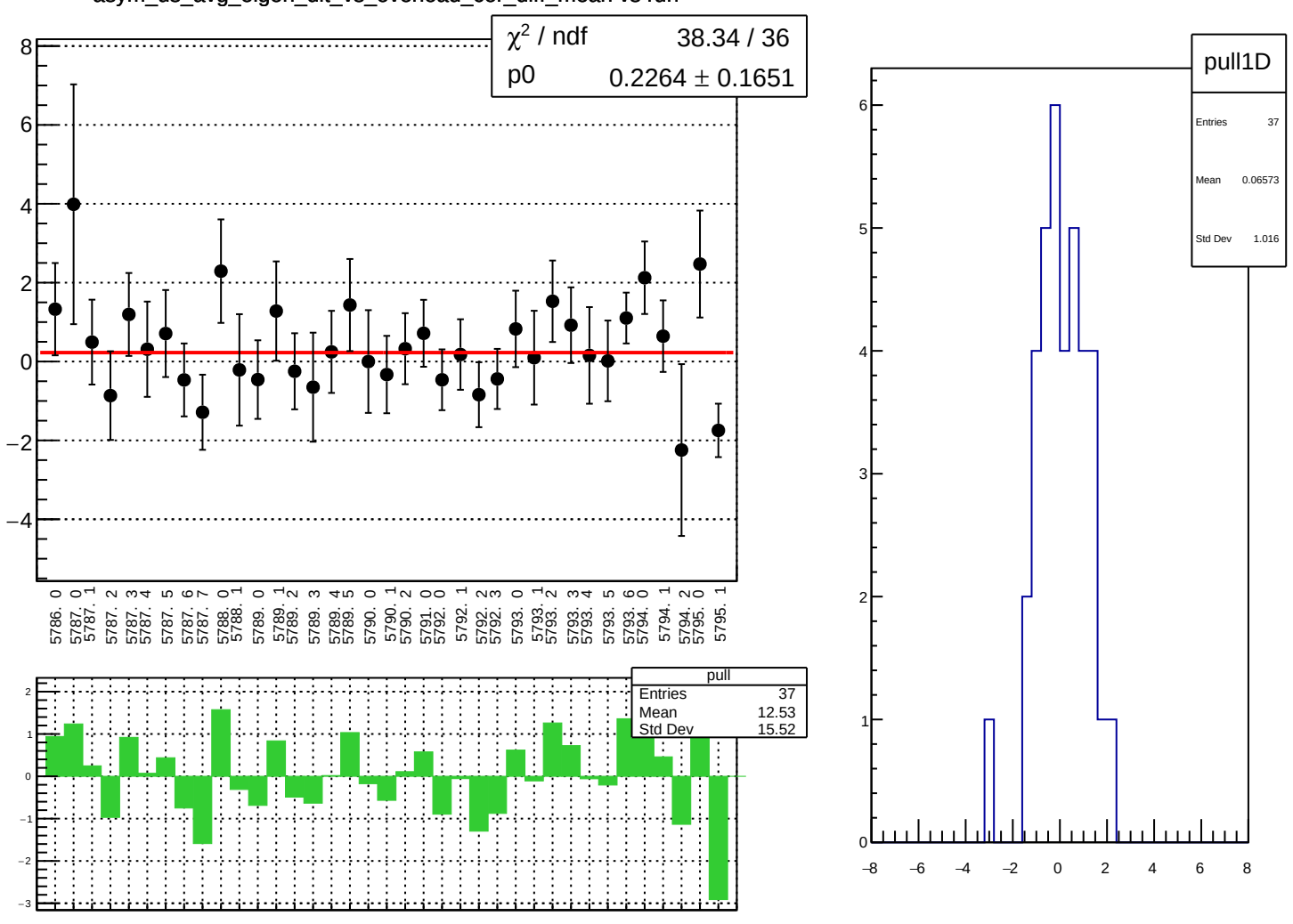

asym_us_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5754 / 36
p0 0.005472 ± 6.33e–06
0.0065
0.006
0.0055
0.005
0.0045
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

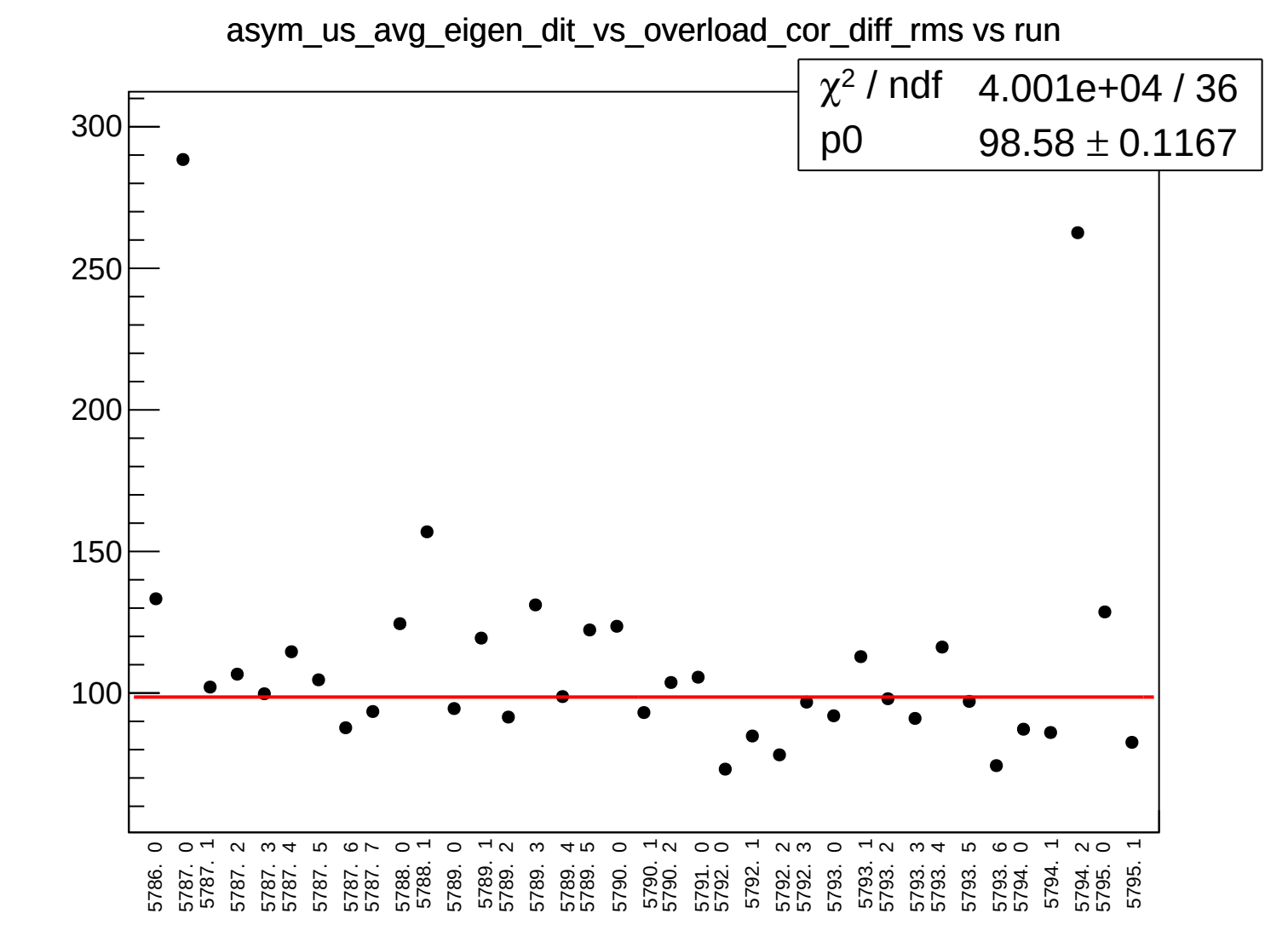

asym_us_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.72 / 36
p0 0.2463 ± 0.1163
pull
Entries 37
Mean −20.22
Std Dev 0
pull1D
Entries 37
Mean 0.06454
Std Dev 1.047

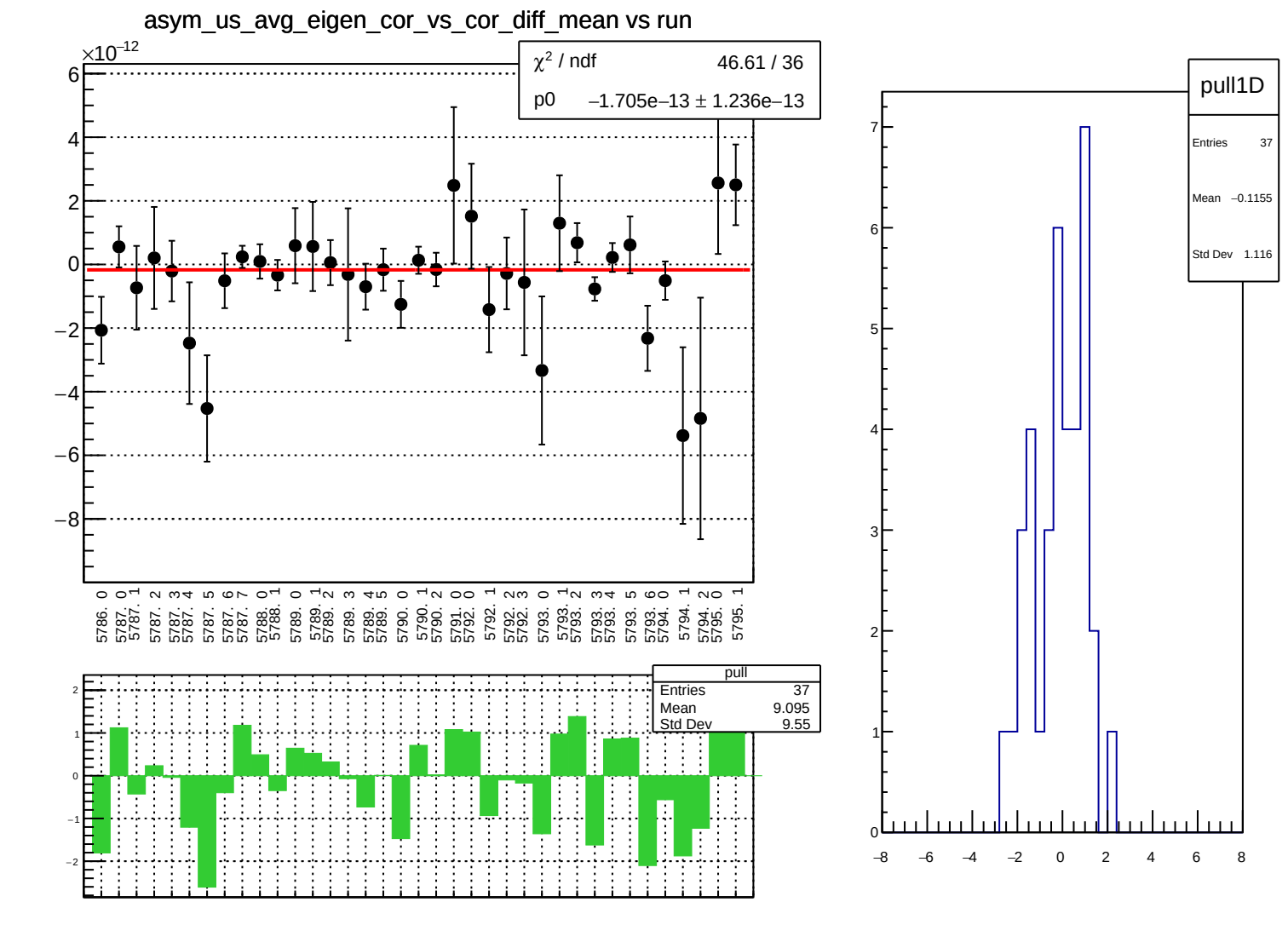

asym_us_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.828e+04 / 36
p0 67.57 ± 0.08227
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

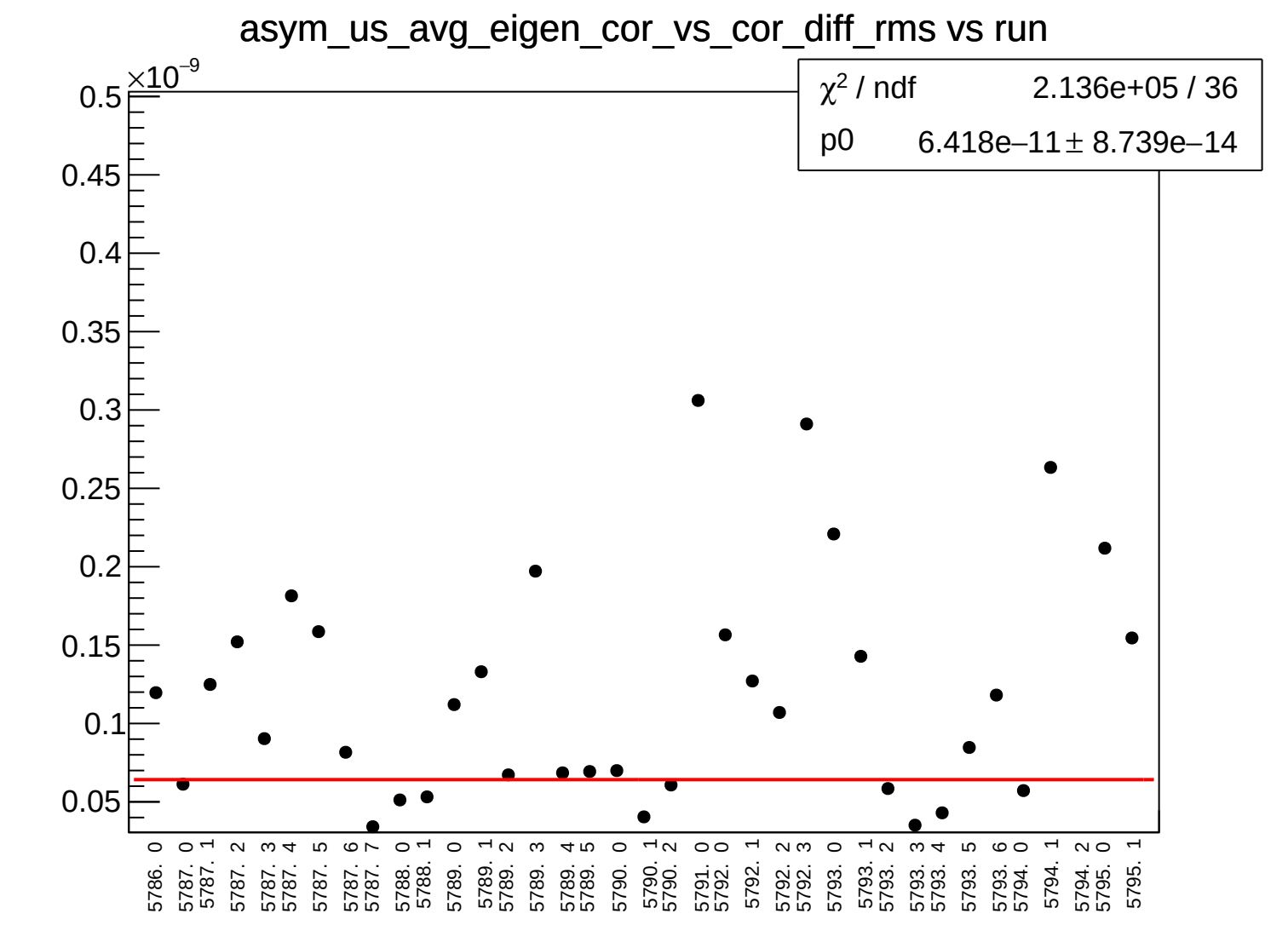

asym_us_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.72 / 36
p0 0.2463 ± 0.1163
pull
Entries 37
Mean −20.22
Std Dev 0
pull1D
Entries 37
Mean 0.06454
Std Dev 1.047

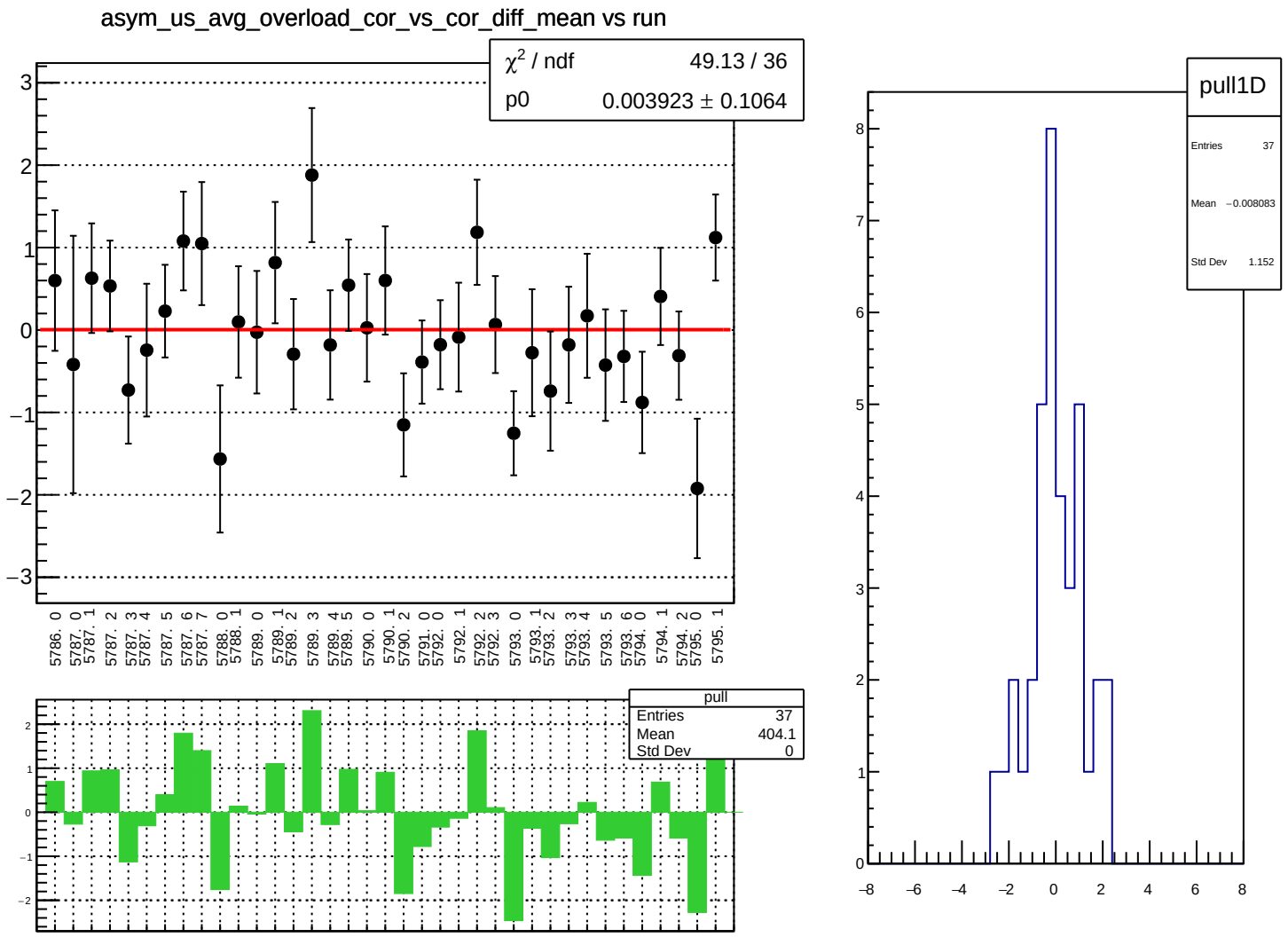

asym_us_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.828e+04 / 36
p0 67.57 ± 0.08227
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

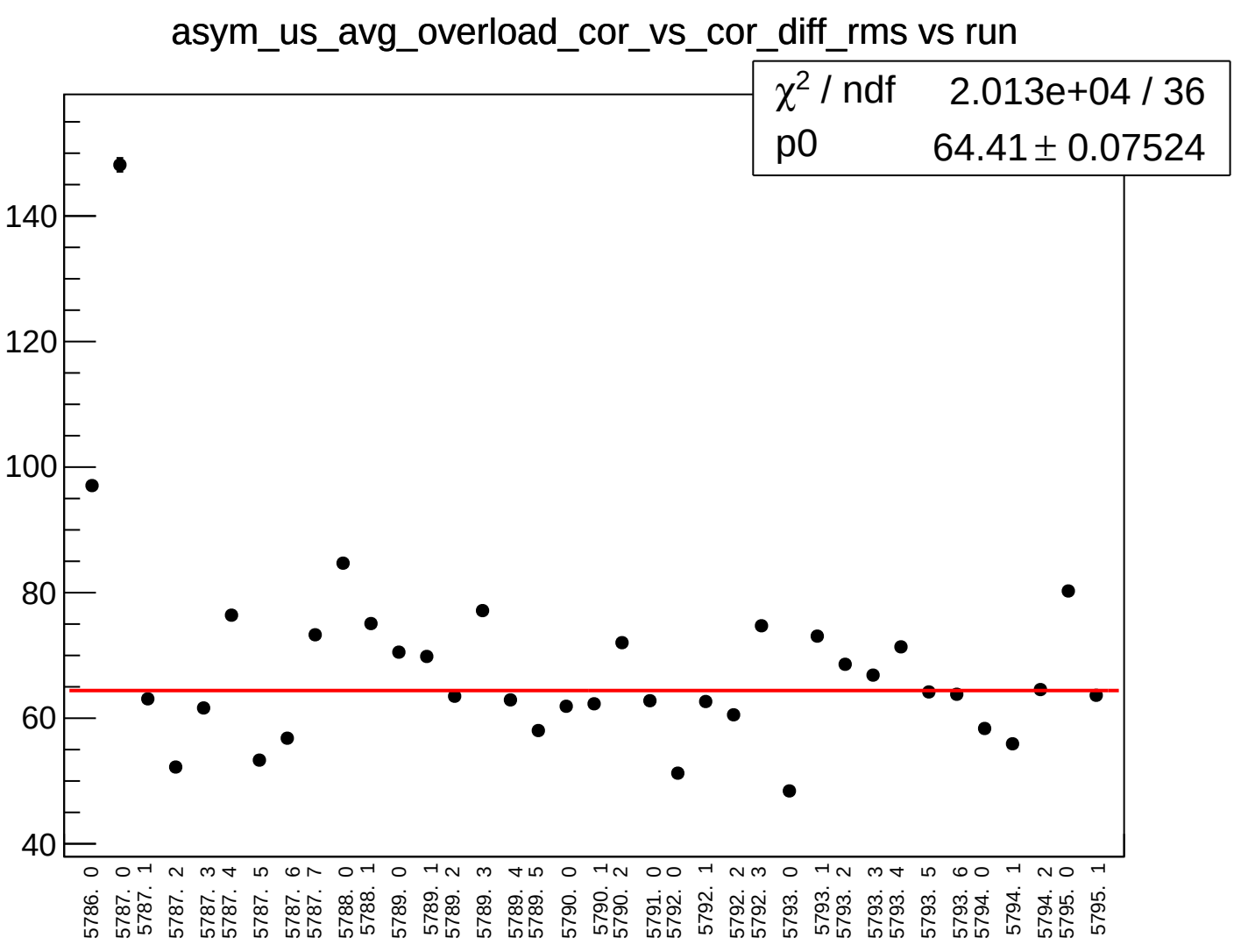

asym_us_avg_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 38.34 / 36
p0 0.2264 ± 0.1651
pull
Entries 37
Mean 12.53
Std Dev 15.52
pull1D
Entries 37
Mean 0.06573
Std Dev 1.016

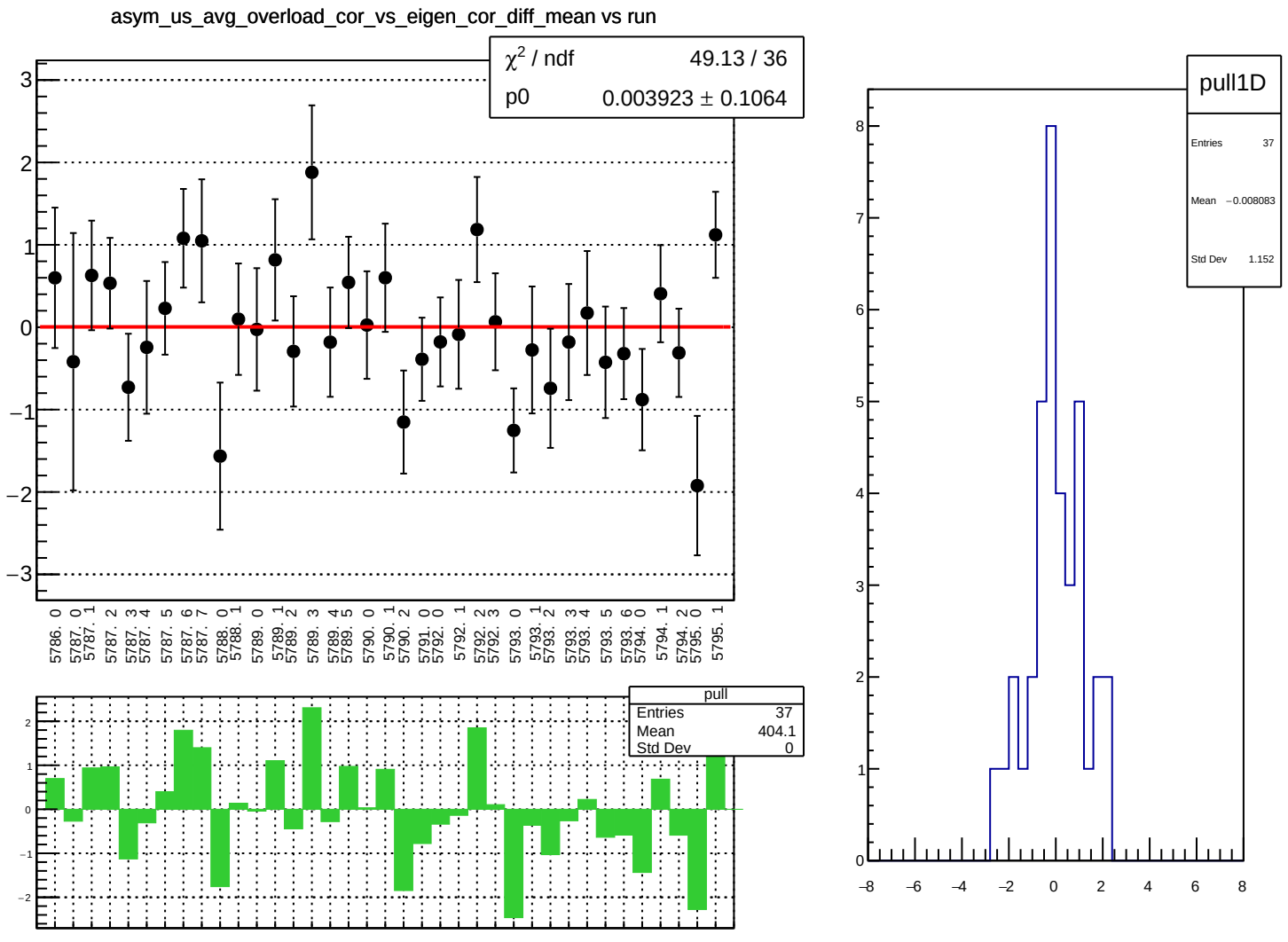

asym_us_avg_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 4.001e+04 / 36
p0 98.58 ± 0.1167
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

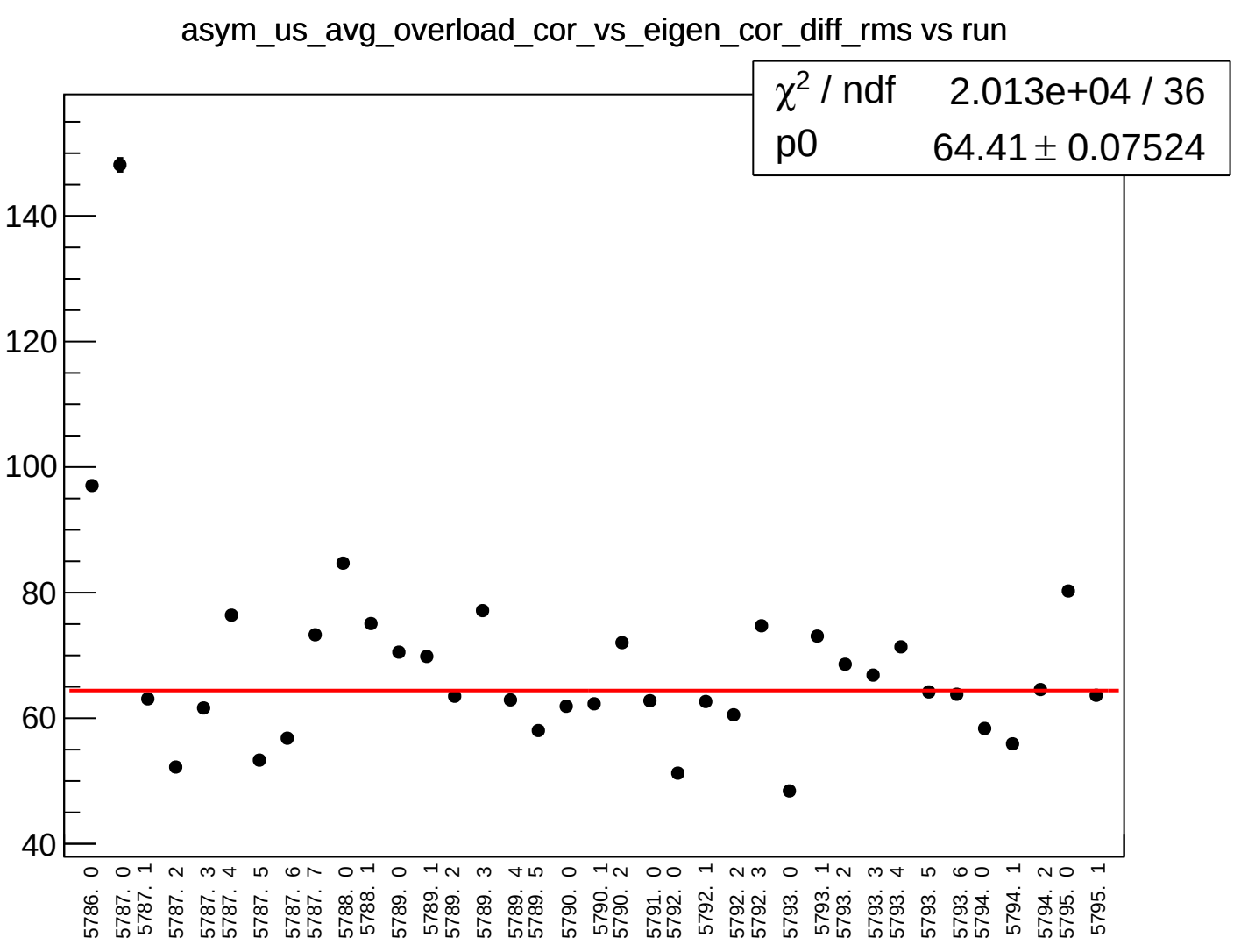

asym_us_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.61 / 36
p0 −1.705e−13 ± 1.236e−13
pull
Entries 37
Mean 9.095
Std Dev 9.55
pull1D
Entries 37
Mean −0.1155
Std Dev 1.116

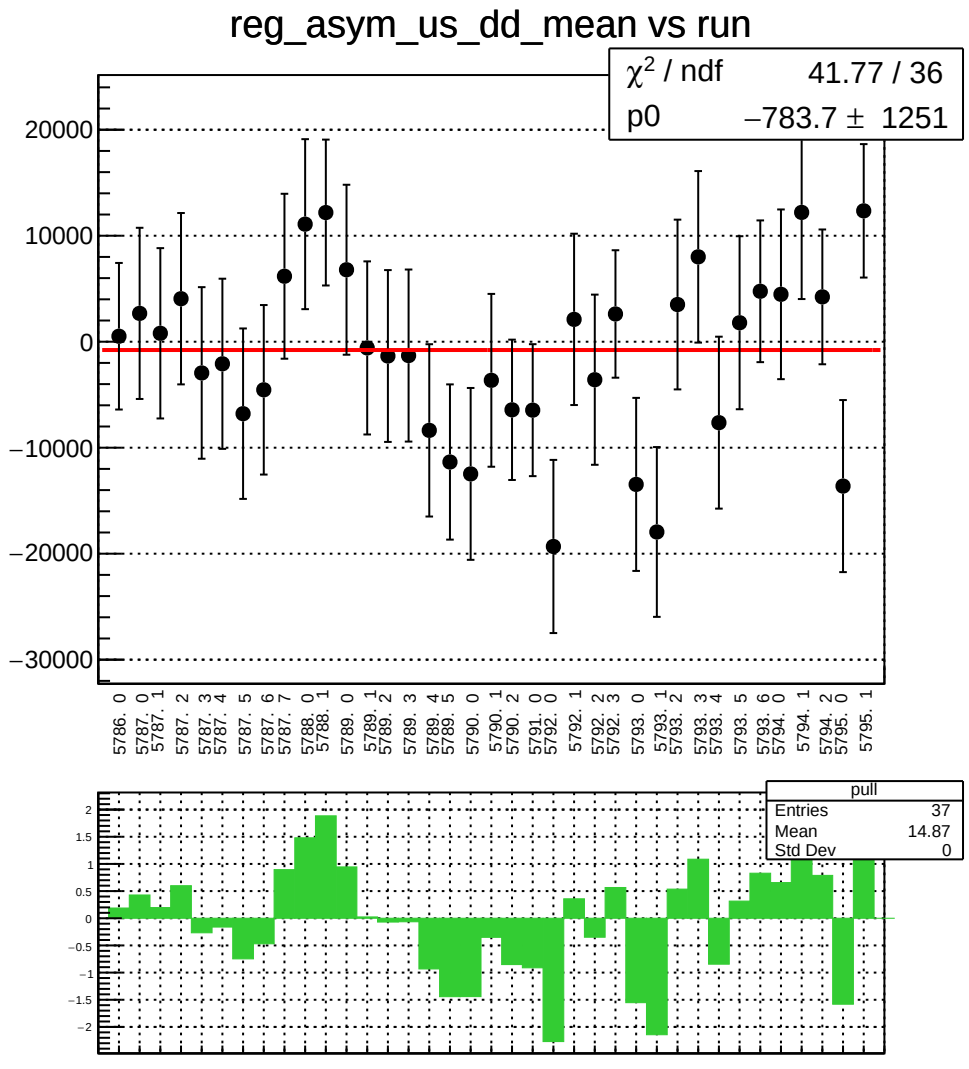

asym_us_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.136e+05 / 36
p0 6.418e−11 ± 8.739e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

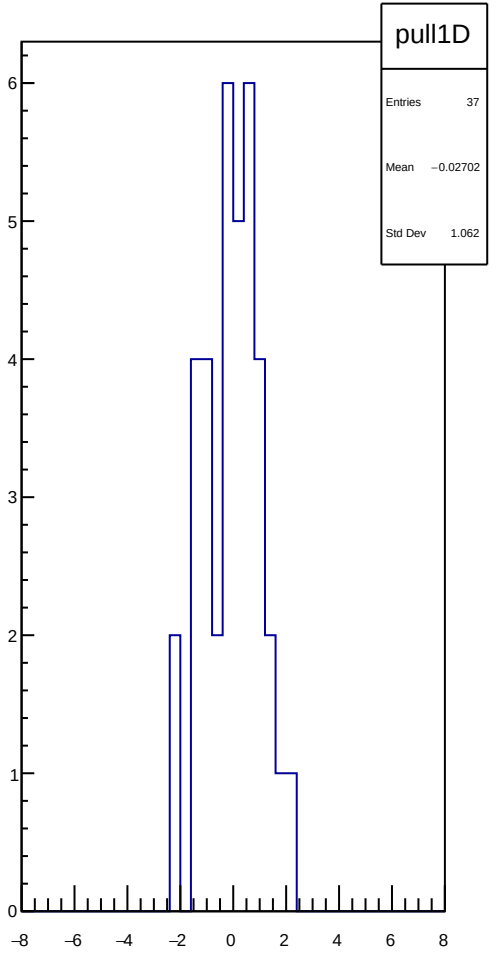

asym_us_avg_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 49.13 / 36
p0 0.003923 ± 0.1064
pull
Entries 37
Mean 404.1
Std Dev 0
pull1D
Entries 37
Mean −0.008083
Std Dev 1.152

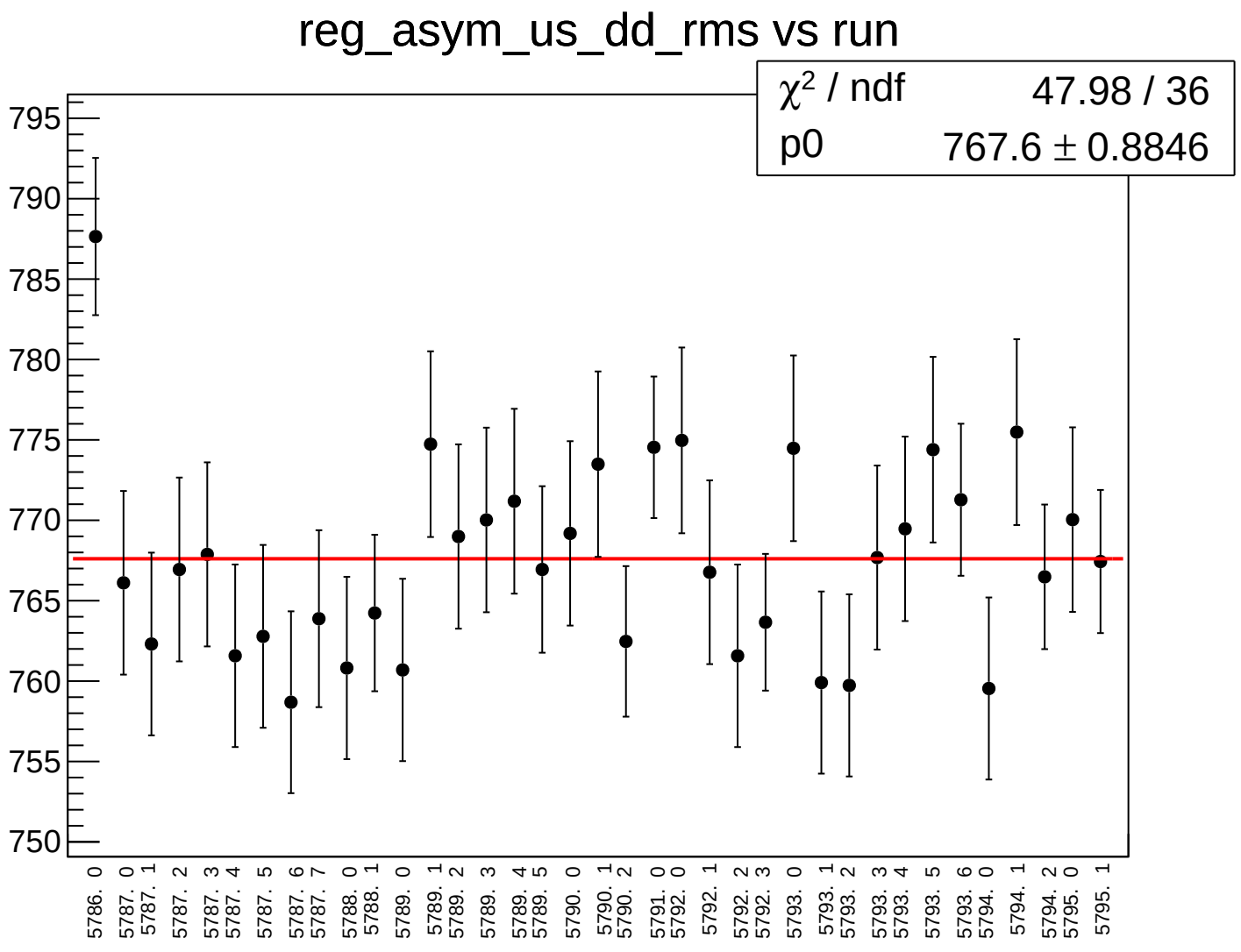

asym_us_avg_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 2.013e+04 / 36
p0 64.41 ± 0.07524
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

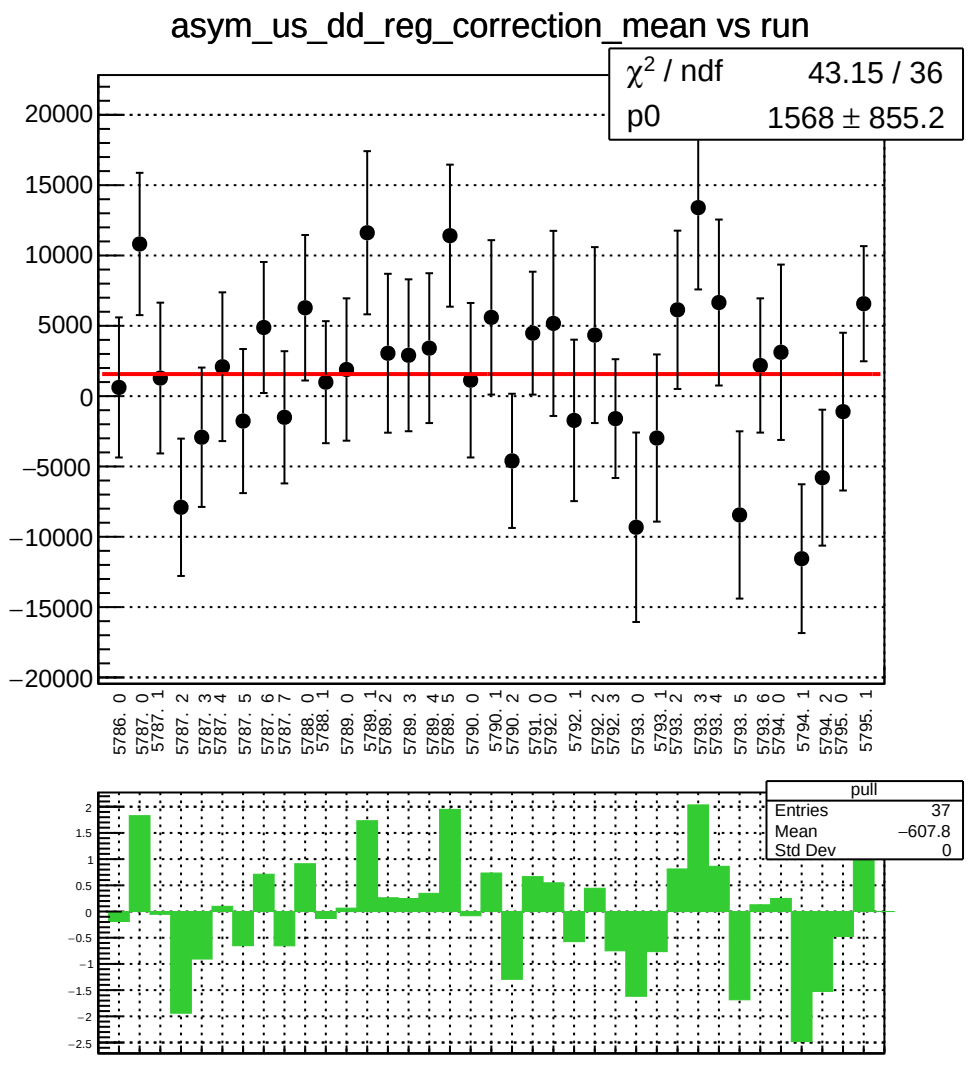

asym_us_avg_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.13 / 36
p0 0.003923 ± 0.1064
pull
Entries 37
Mean 404.1
Std Dev 0
pull1D
Entries 37
Mean −0.008083
Std Dev 1.152

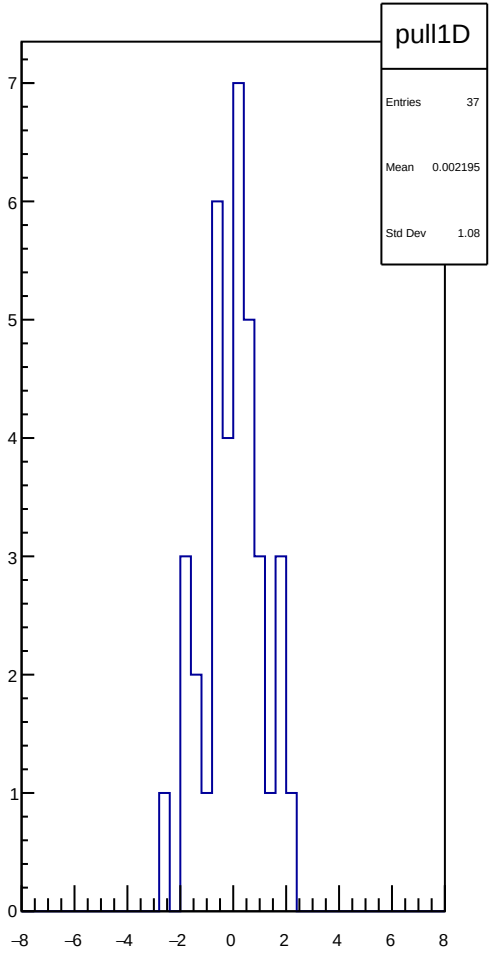

asym_us_avg_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.013e+04 / 36
p0 64.41 ± 0.07524
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

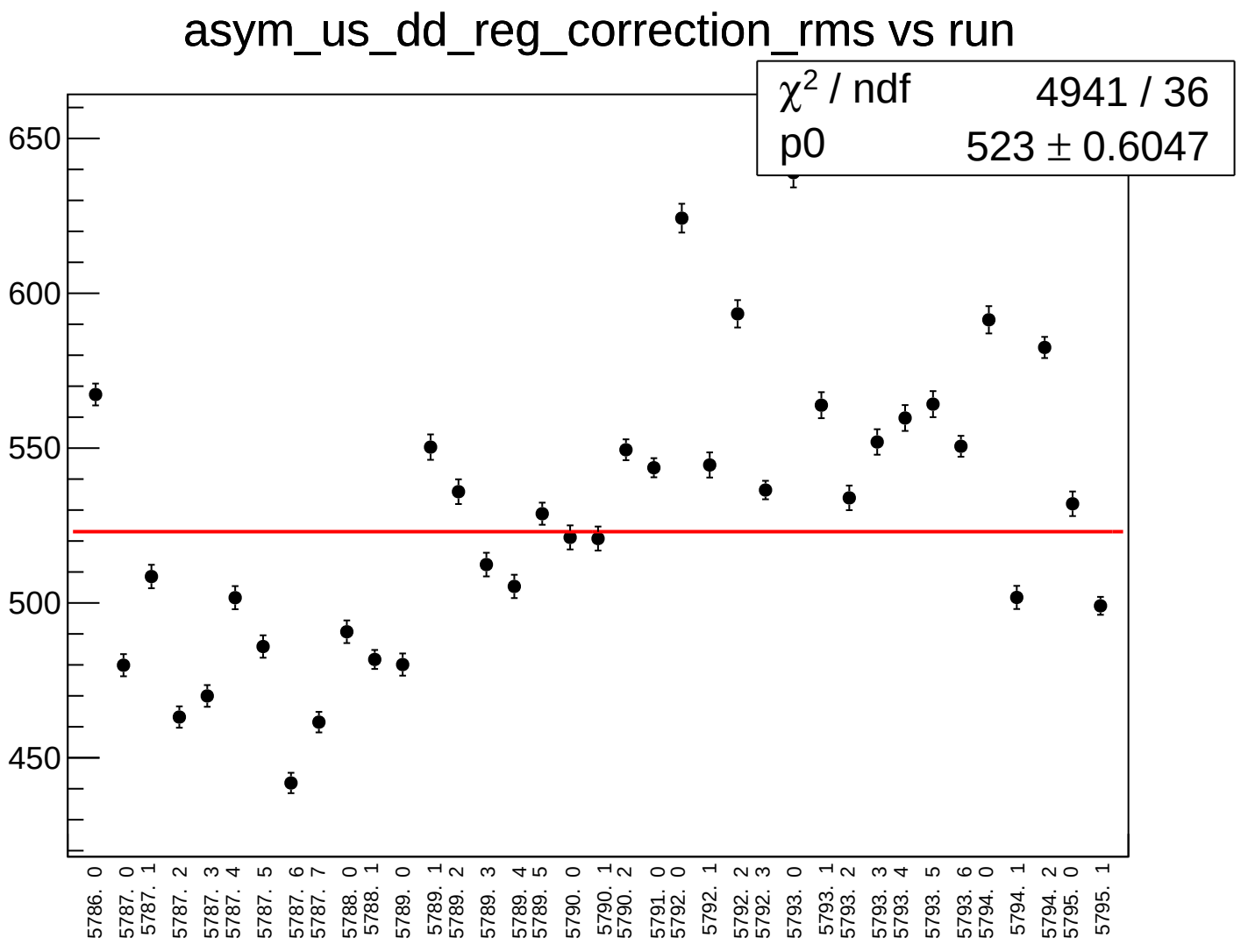

reg_asym_us_dd_mean vs run
χ² / ndf 41.77 / 36
p0 −783.7 ± 1251
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

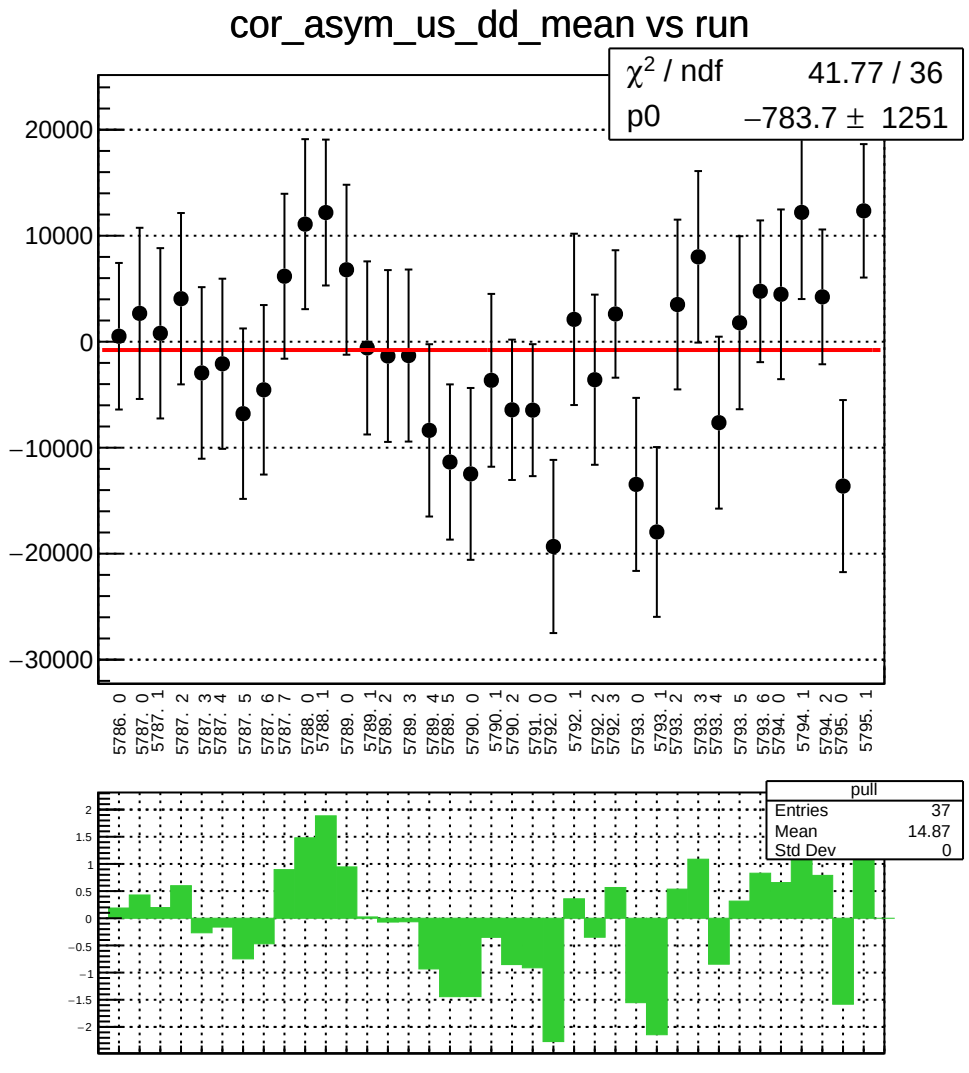

pull1D
Entries 37
Mean −0.02702
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

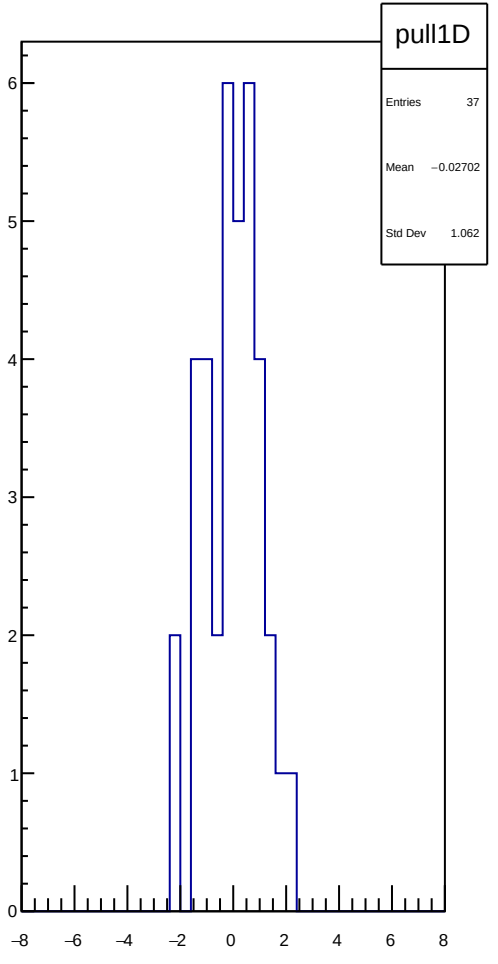

reg_asym_us_dd_rms vs run
χ² / ndf 47.98 / 36
p0 767.6 ± 0.8846
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

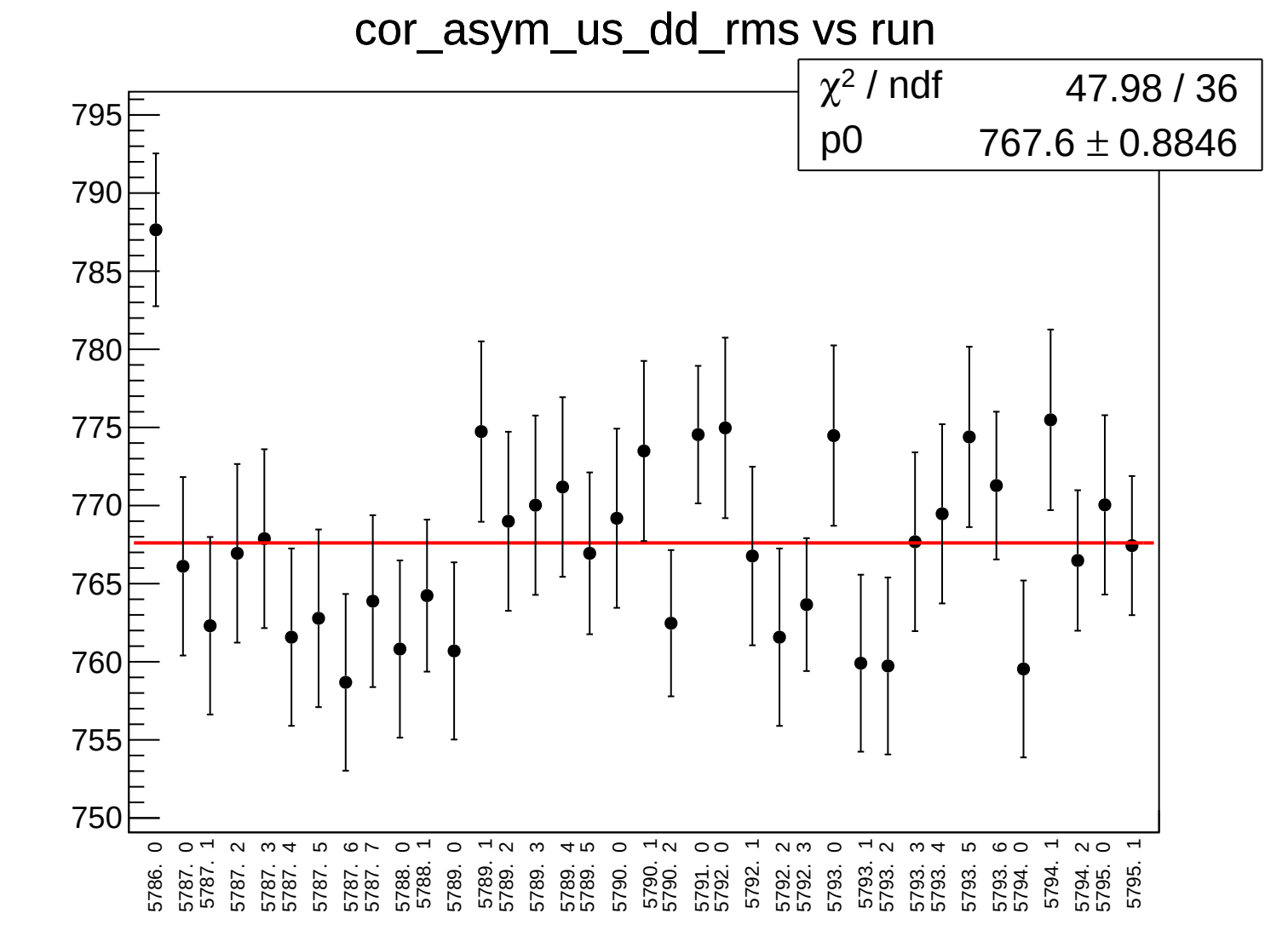

asym_us_dd_reg_correction_mean vs run
χ² / ndf 43.15 / 36
p0 1568 ± 855.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −607.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

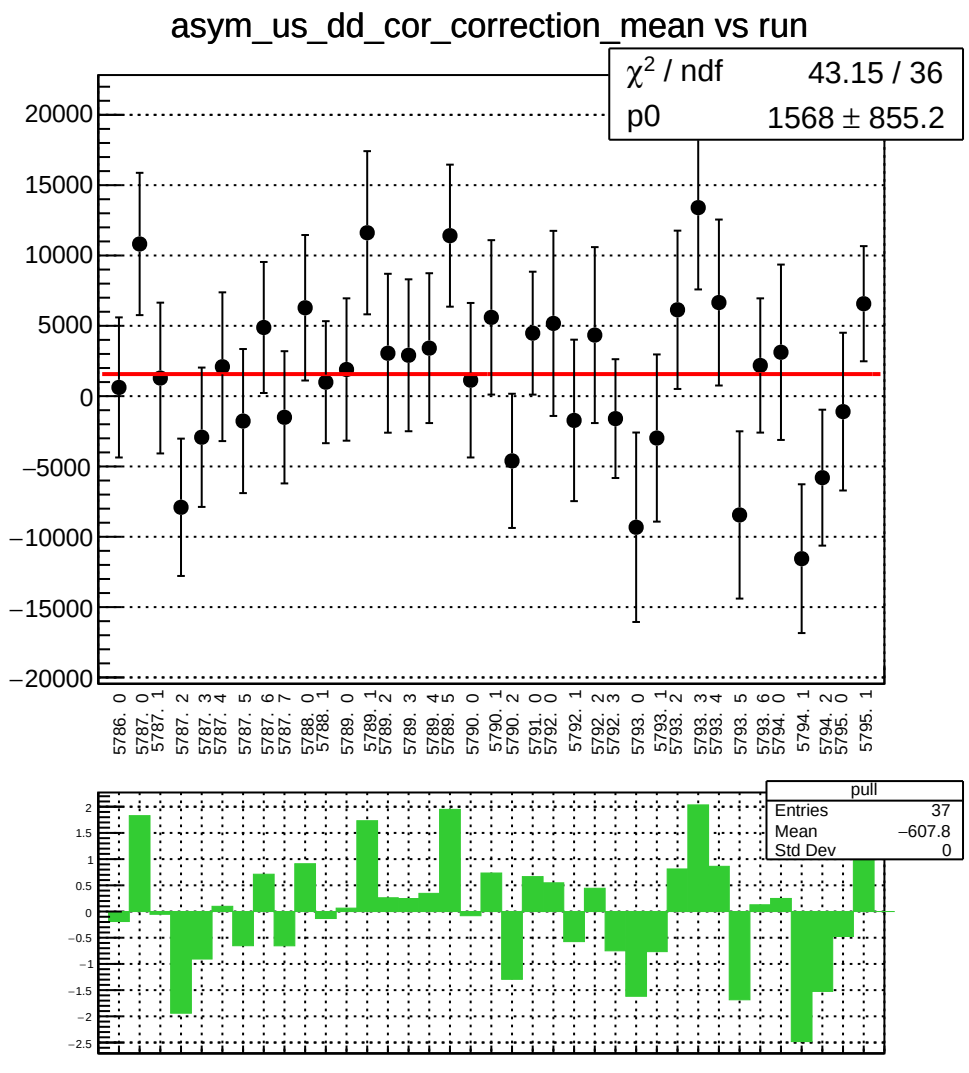

pull1D
Entries 37
Mean 0.002195
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

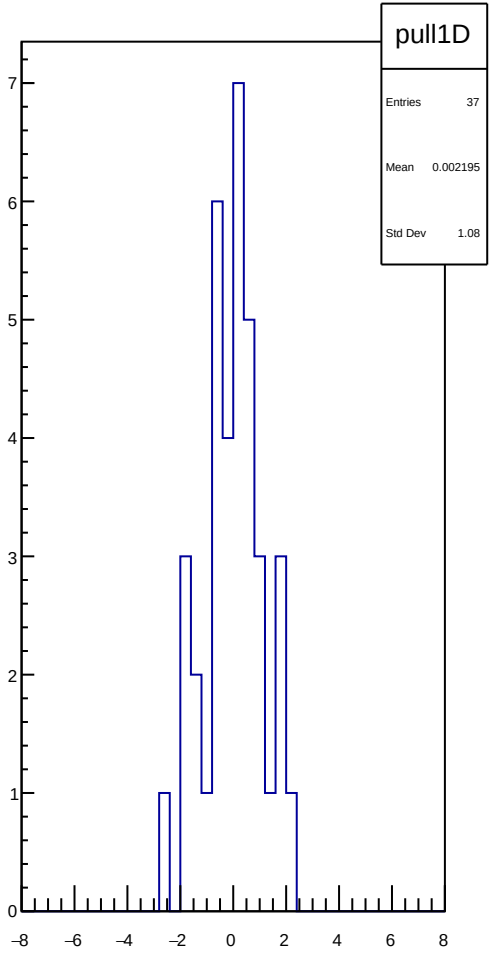

asym_us_dd_reg_correction_rms vs run
χ² / ndf 4941 / 36
p0 523 ± 0.6047
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

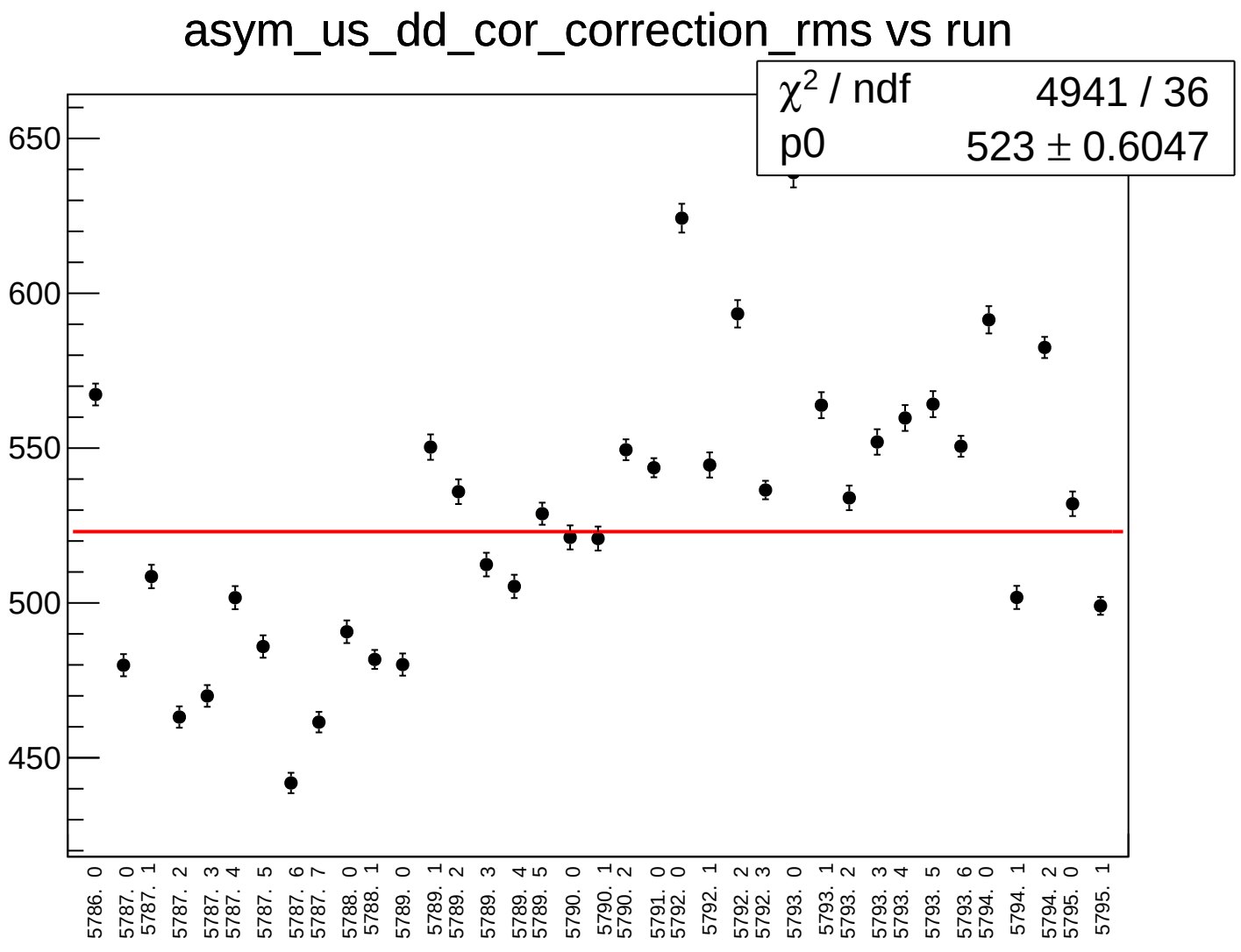

cor_asym_us_dd_mean vs run
χ² / ndf 41.77 / 36
p0 −783.7 ± 1251
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

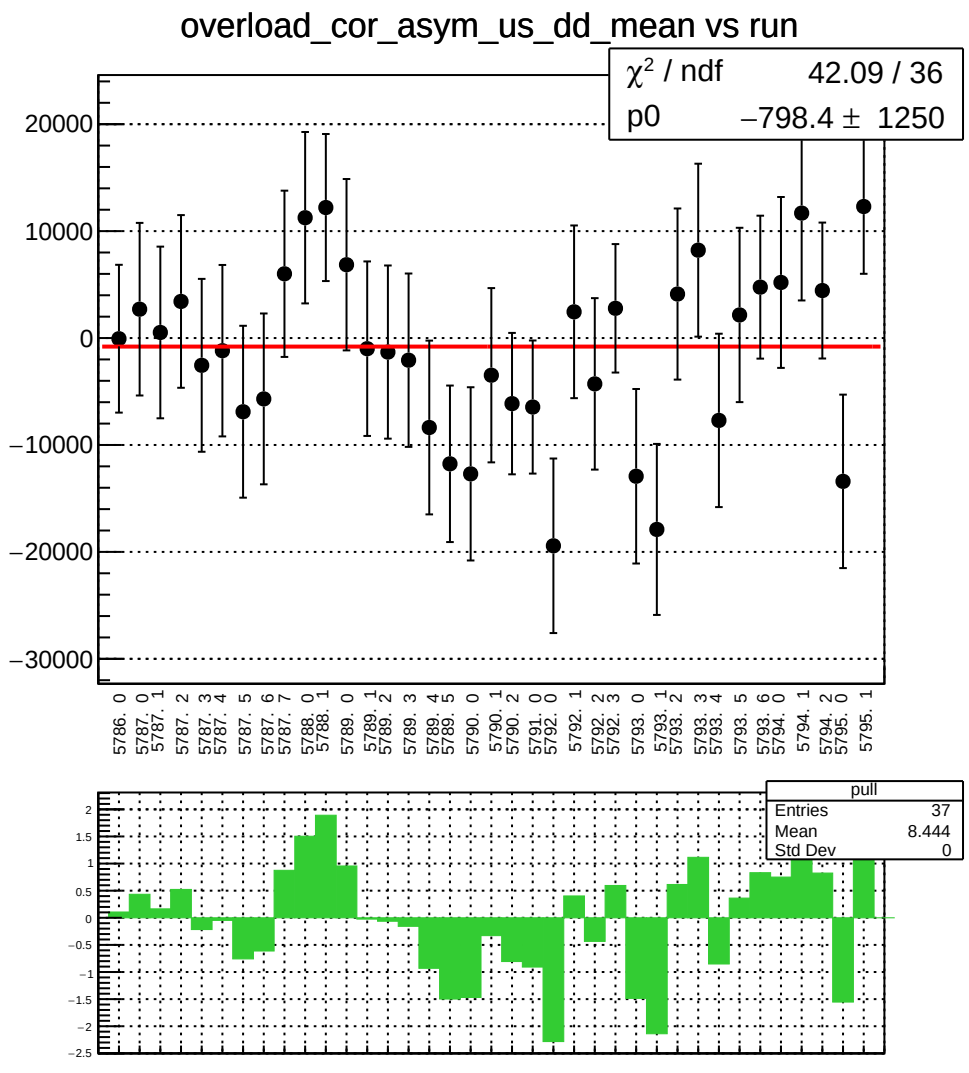

pull1D
Entries 37
Mean −0.02702
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

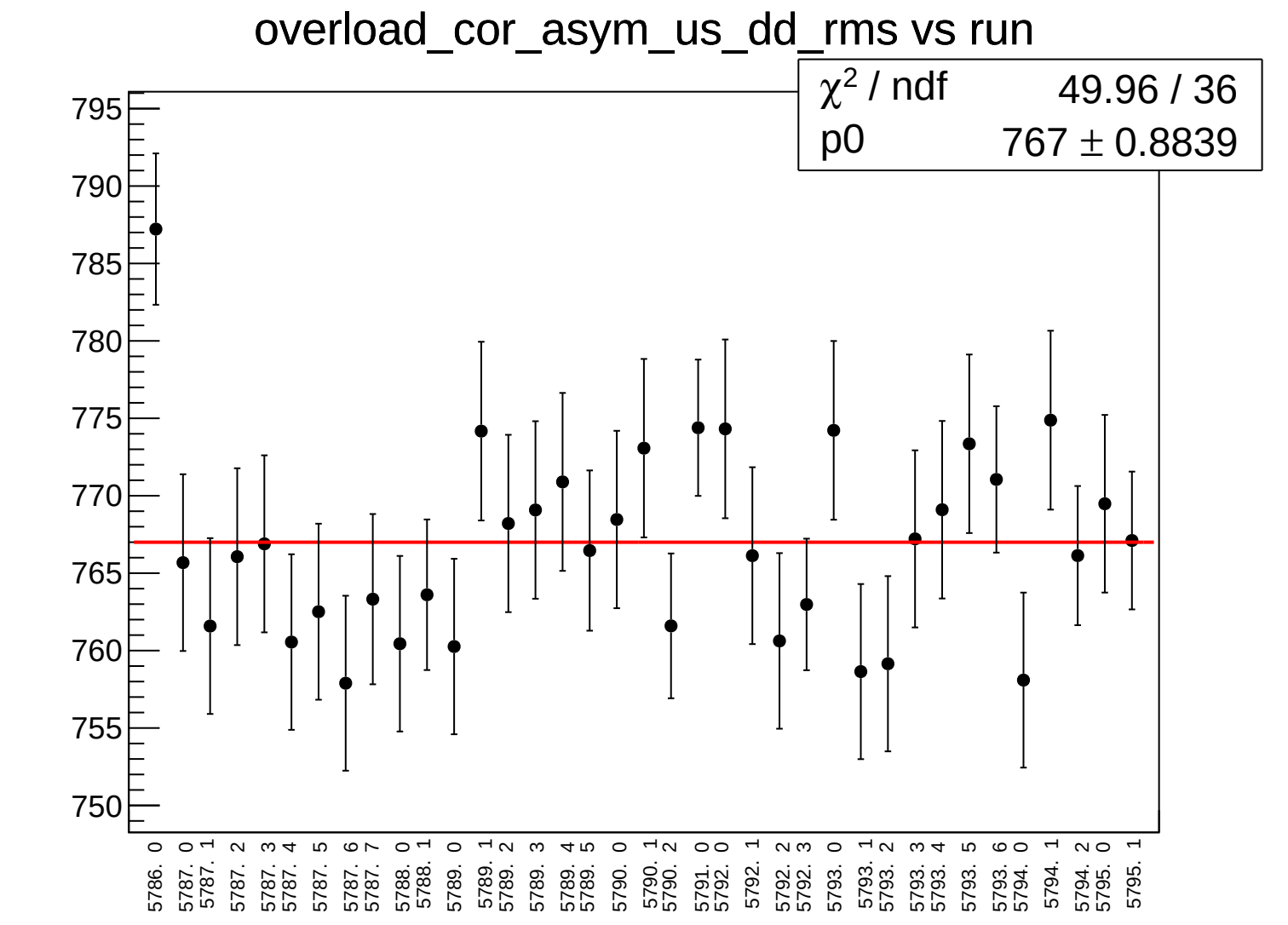

cor_asym_us_dd_rms vs run
χ² / ndf 47.98 / 36
p0 767.6 ± 0.8846
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

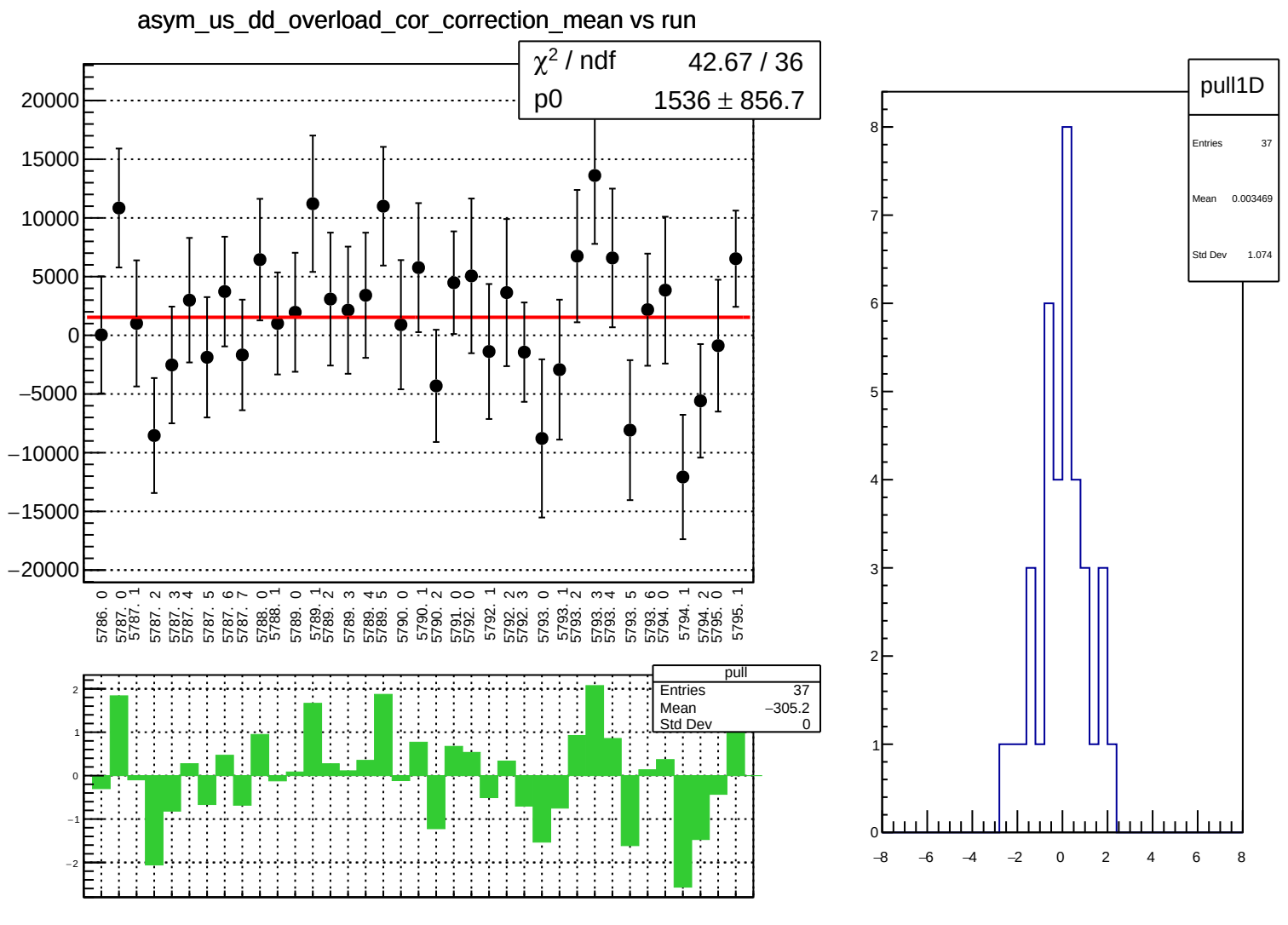

asym_us_dd_cor_correction_mean vs run
χ² / ndf 43.15 / 36
p0 1568 ± 855.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −607.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

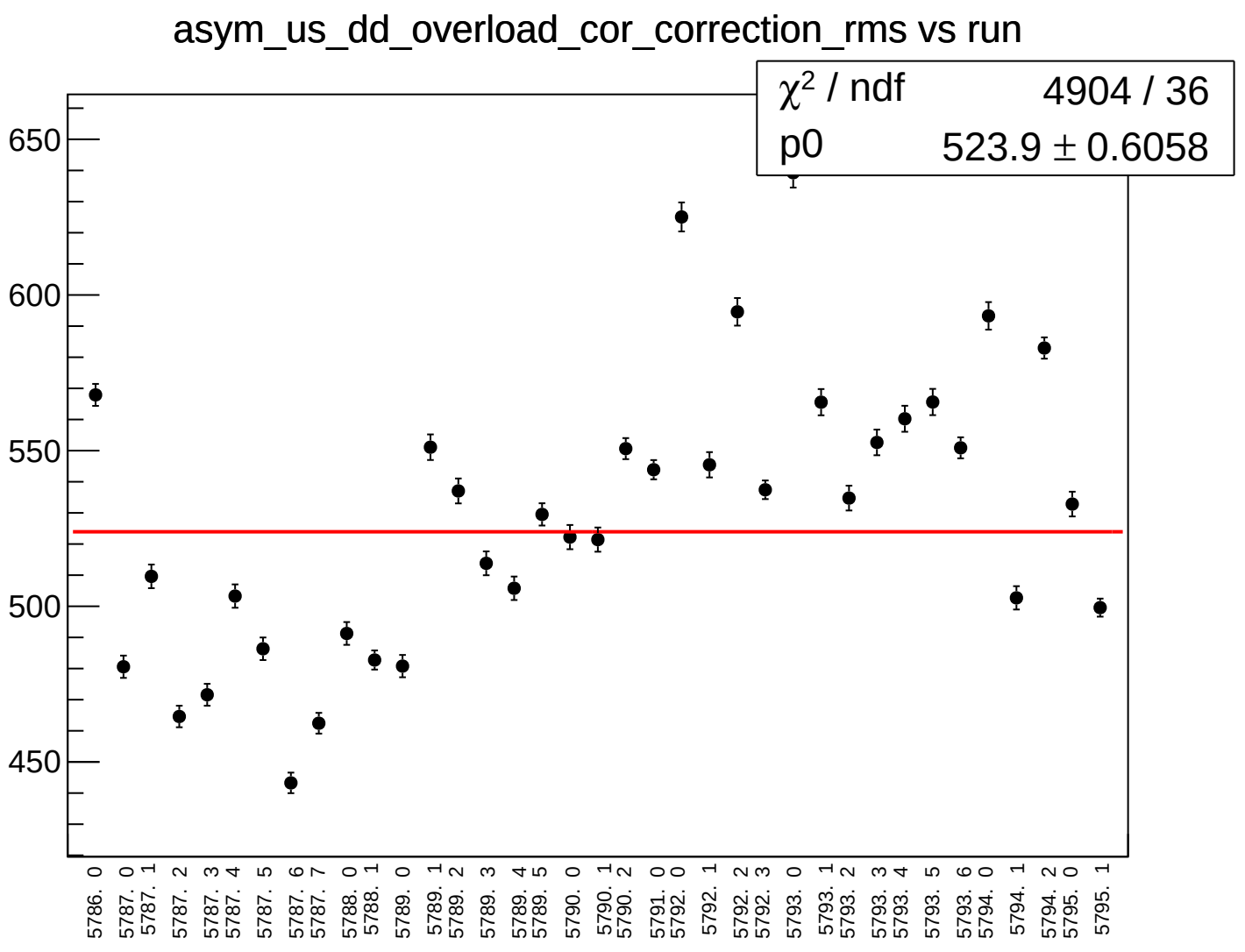

pull1D
Entries 37
Mean 0.002195
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

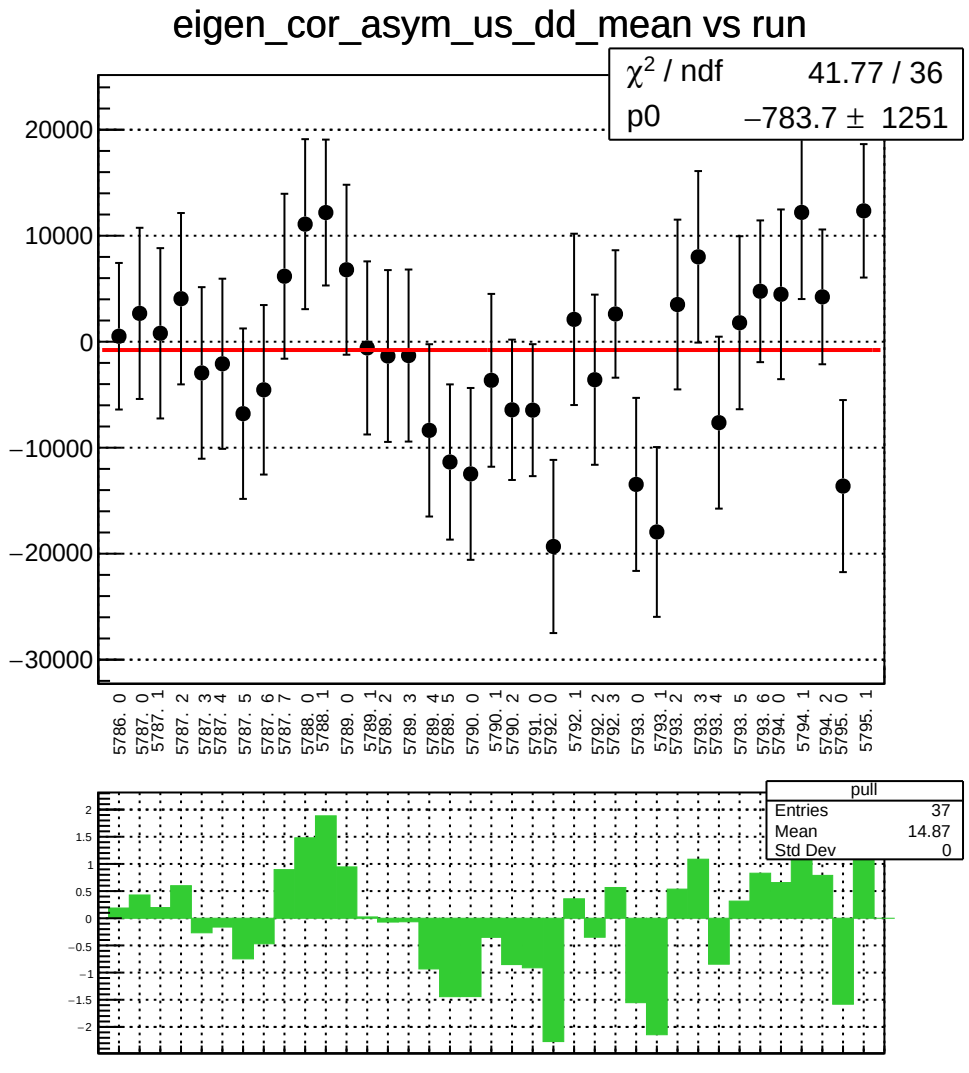

asym_us_dd_cor_correction_rms vs run
χ² / ndf 4941 / 36
p0 523 ± 0.6047
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

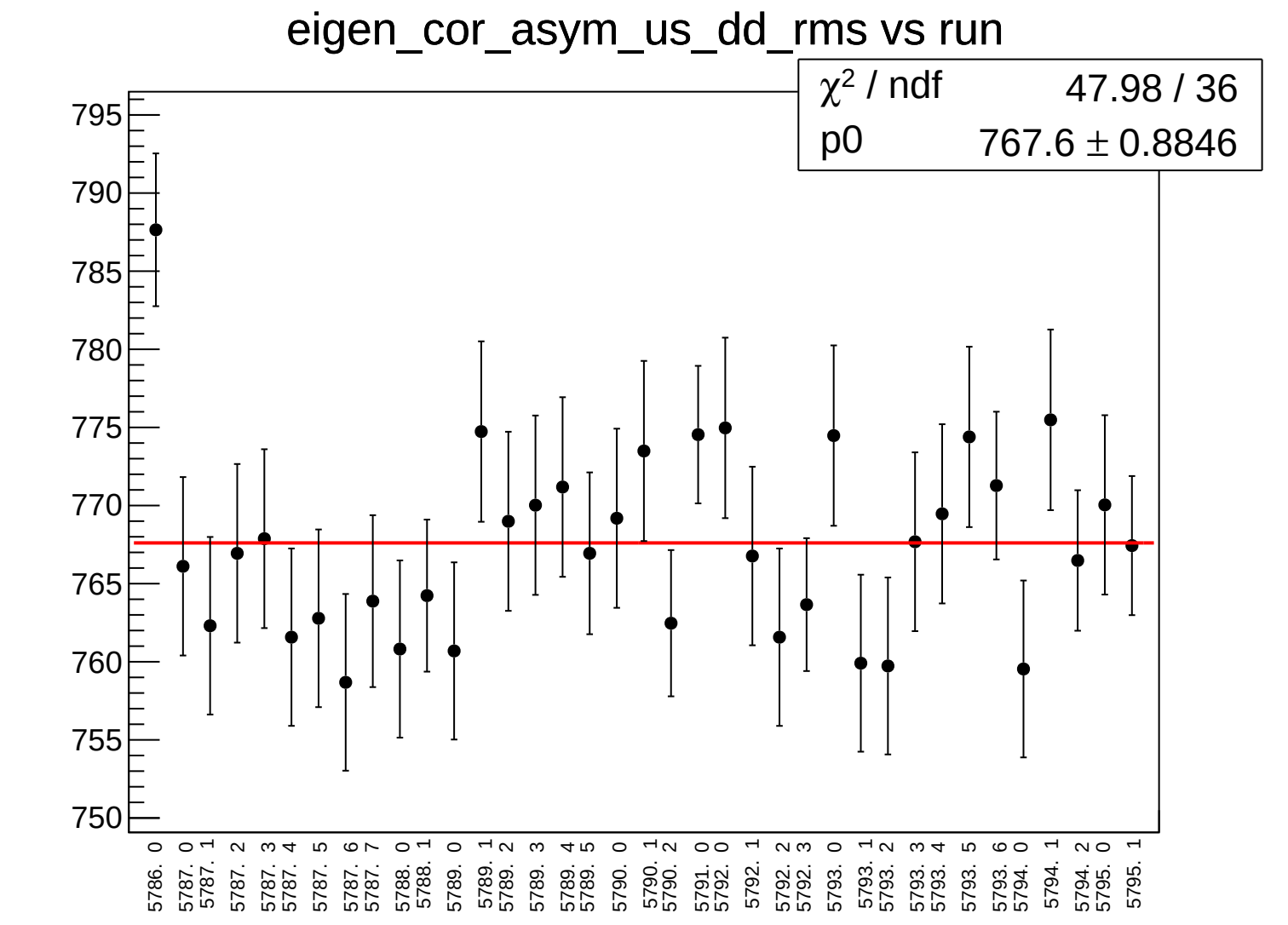

overload_cor_asym_us_dd_mean vs run
χ² / ndf 42.09 / 36
p0 −798.4 ± 1250
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 8.444
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.02729
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


overload_cor_asym_us_dd_rms vs run
χ² / ndf 49.96 / 36
p0 767 ± 0.8839
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_overload_cor_correction_mean vs run
χ² / ndf 42.67 / 36
p0 1536 ± 856.7
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −305.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.003469
Std Dev 1.074
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_overload_cor_correction_rms vs run
χ² / ndf 4904 / 36
p0 523.9 ± 0.6058
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_us_dd_mean vs run
χ² / ndf 41.77 / 36
p0 −783.7 ± 1251
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.87
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02702
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_rms vs run
χ² / ndf 47.98 / 36
p0 767.6 ± 0.8846
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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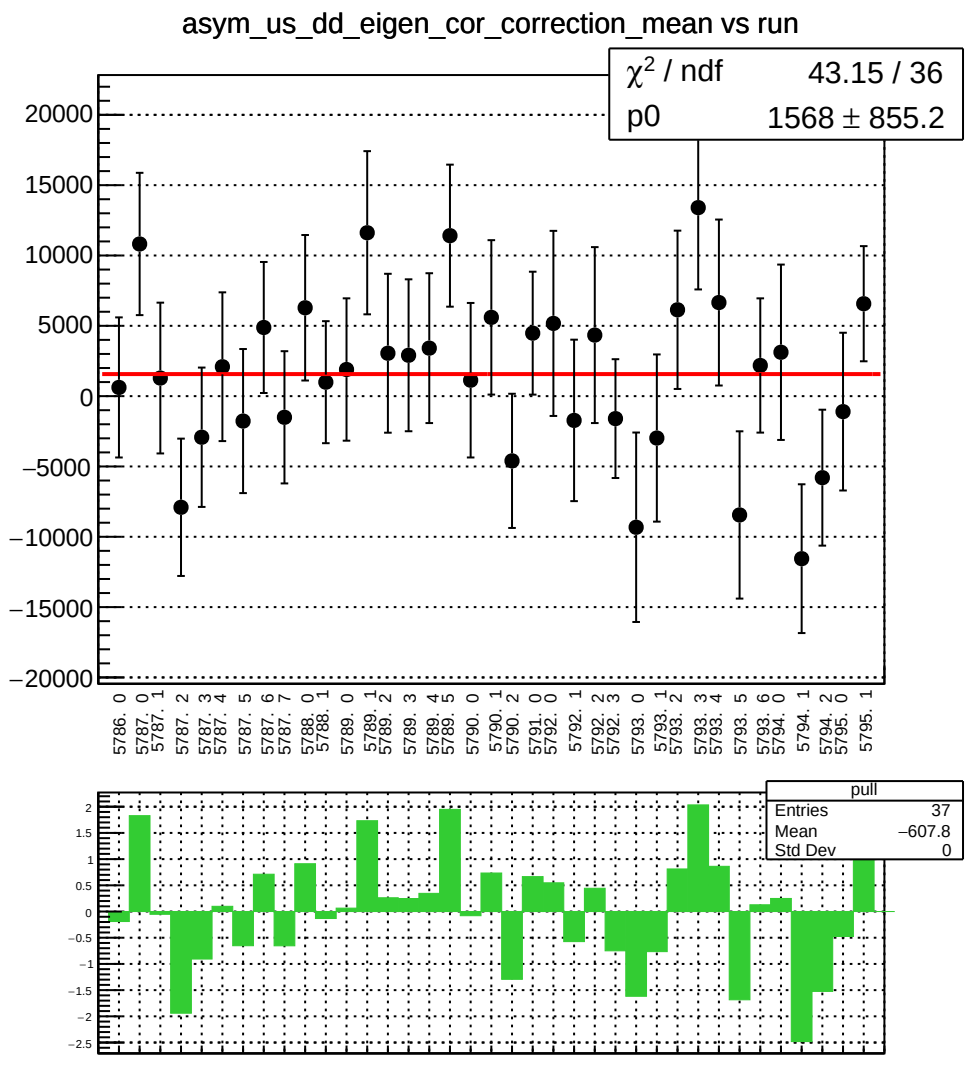
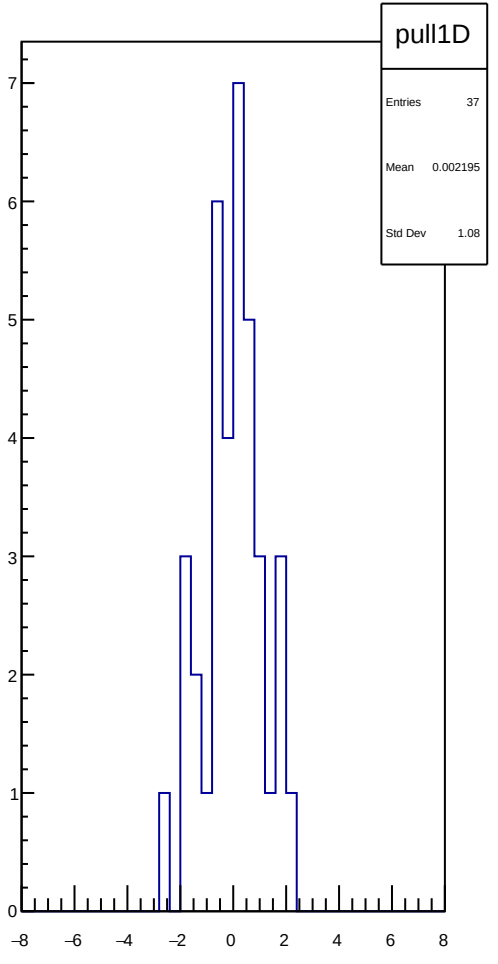
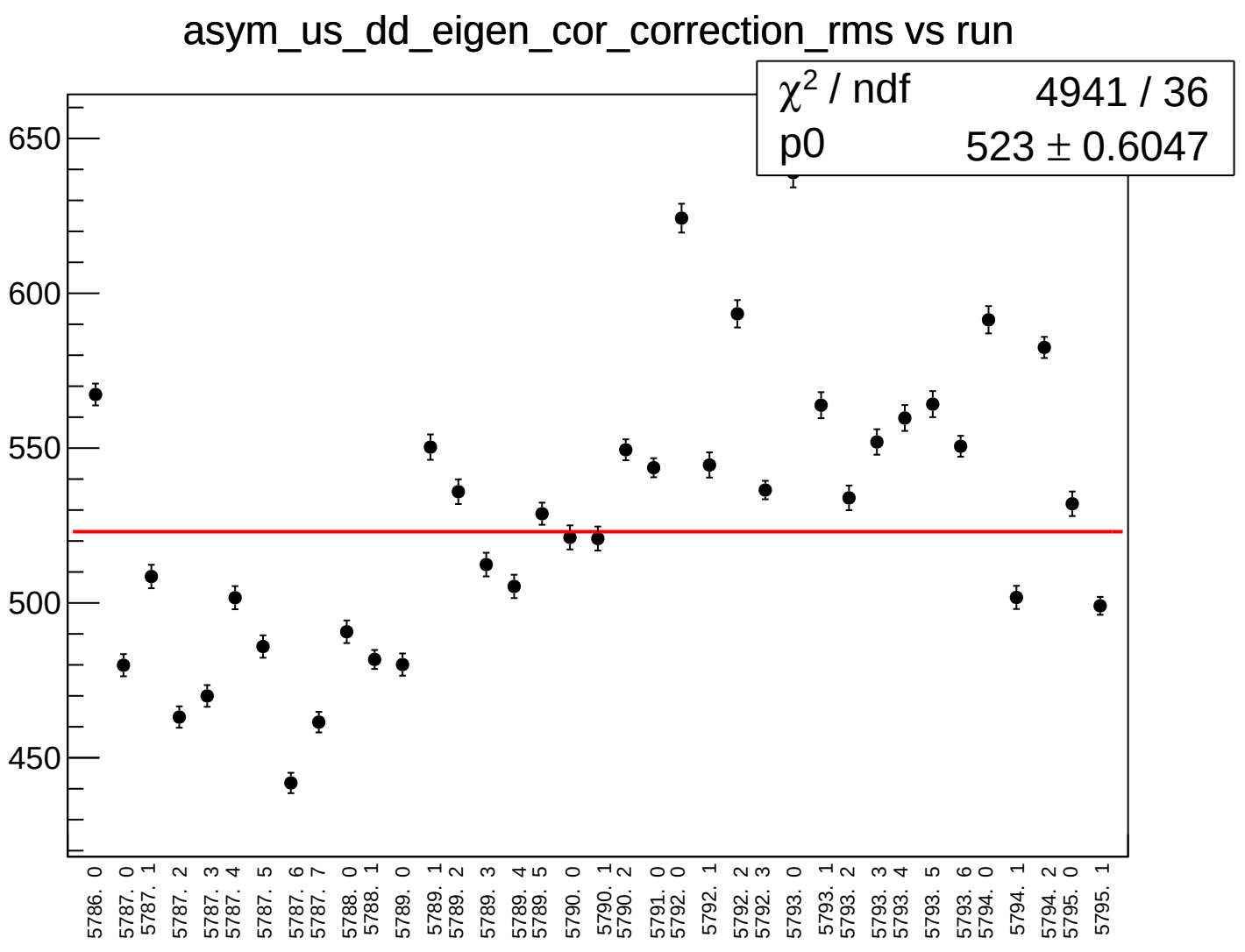
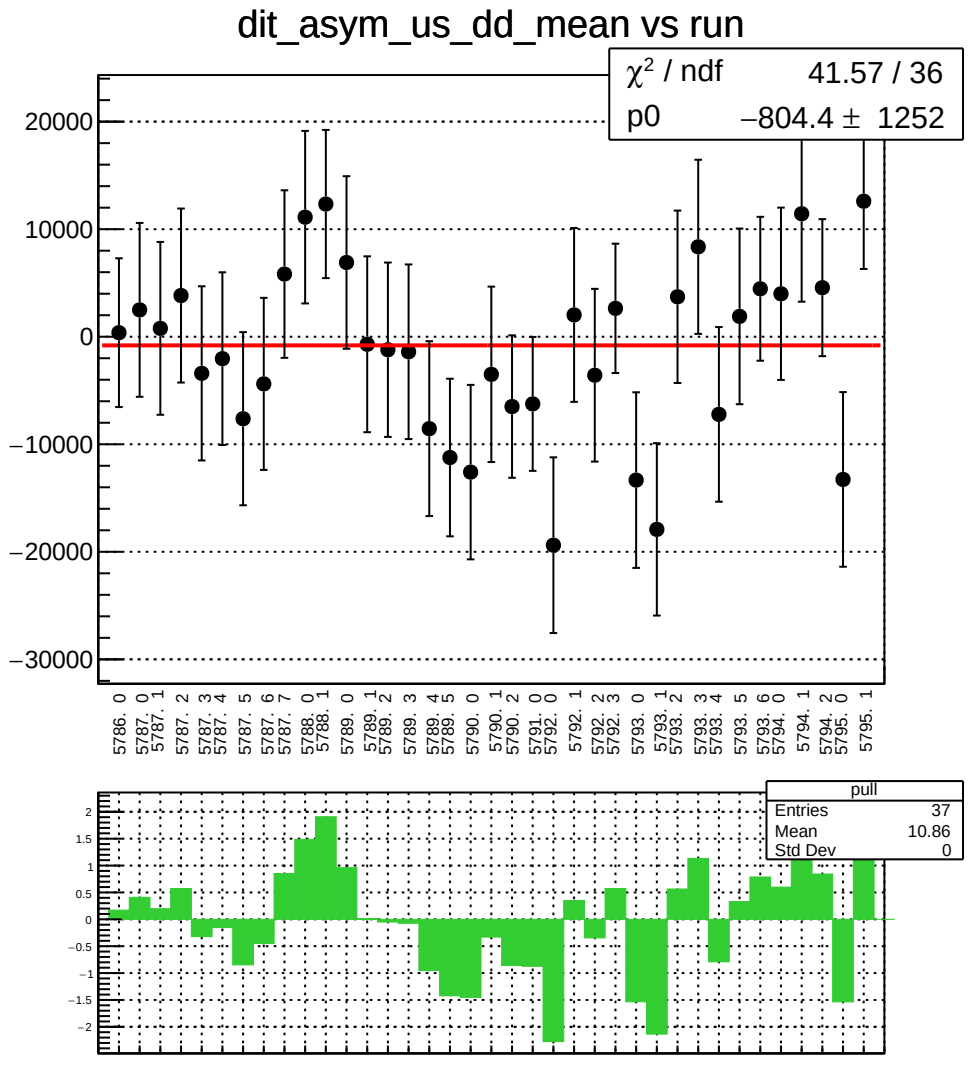
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.15 / 36
p0 1568 ± 855.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −607.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean 0.002195
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_eigen_cor_correction_rms vs run
χ² / ndf 4941 / 36
p0 523 ± 0.6047
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_us_dd_mean vs run
χ² / ndf 41.57 / 36
p0 −804.4 ± 1252
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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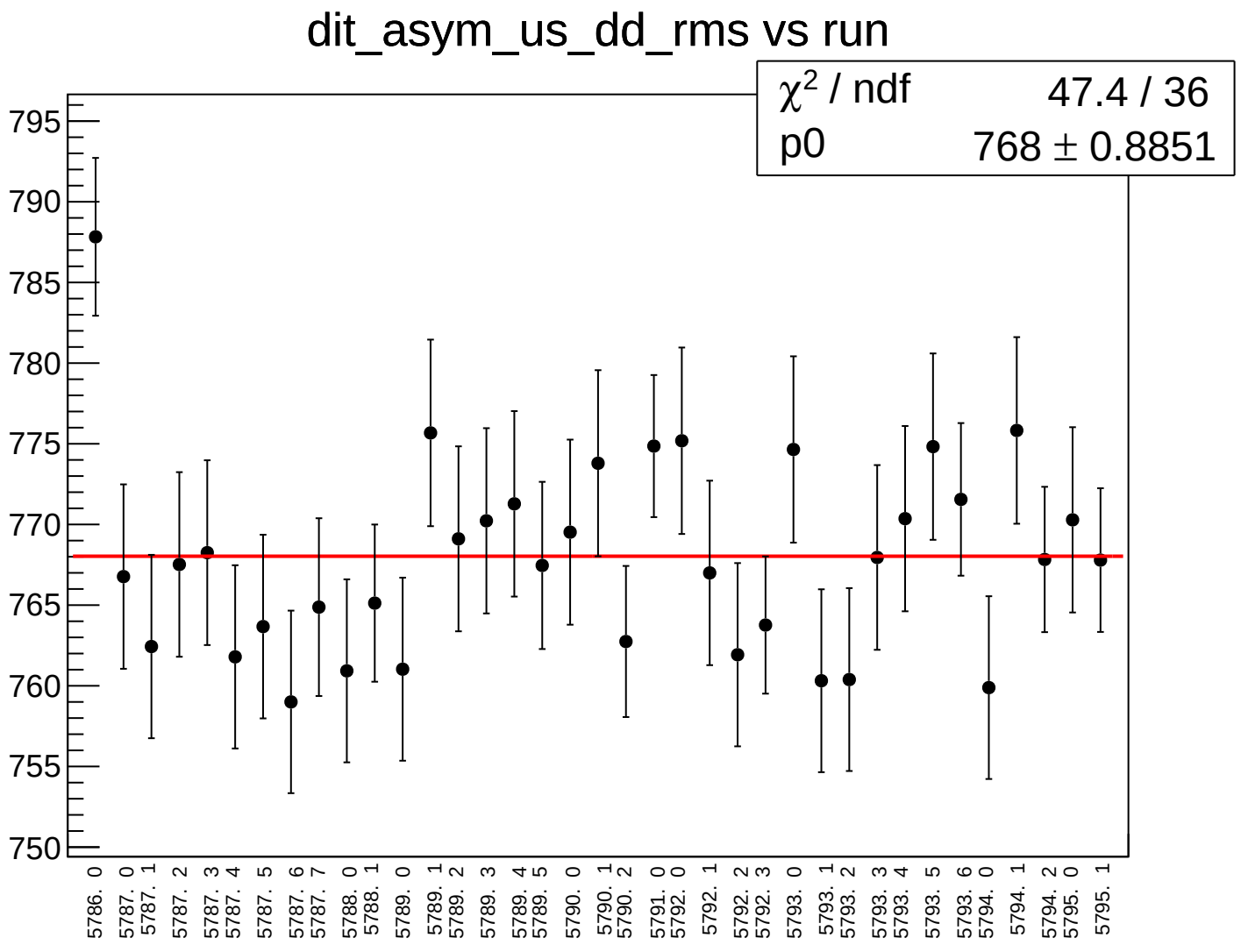
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02779
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_rms vs run
χ² / ndf 47.4 / 36
p0 768 ± 0.8851
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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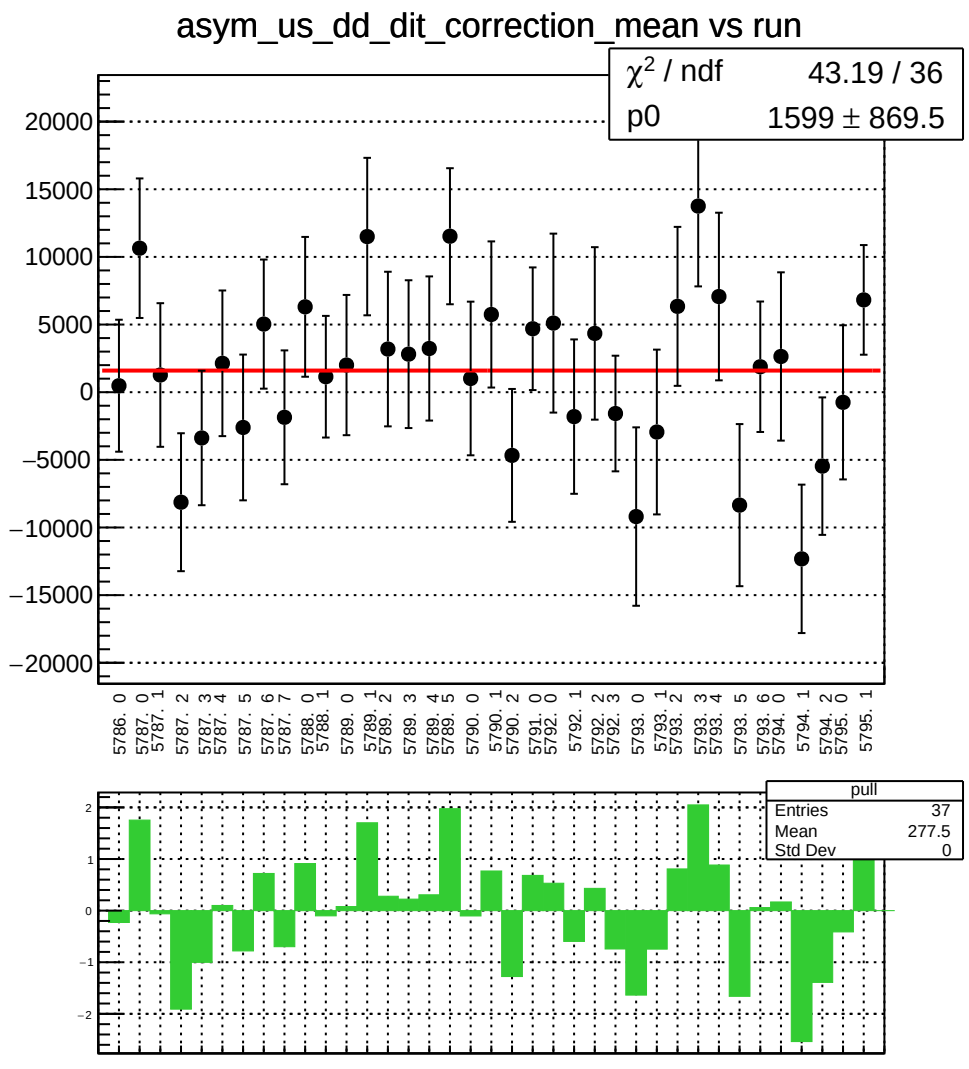
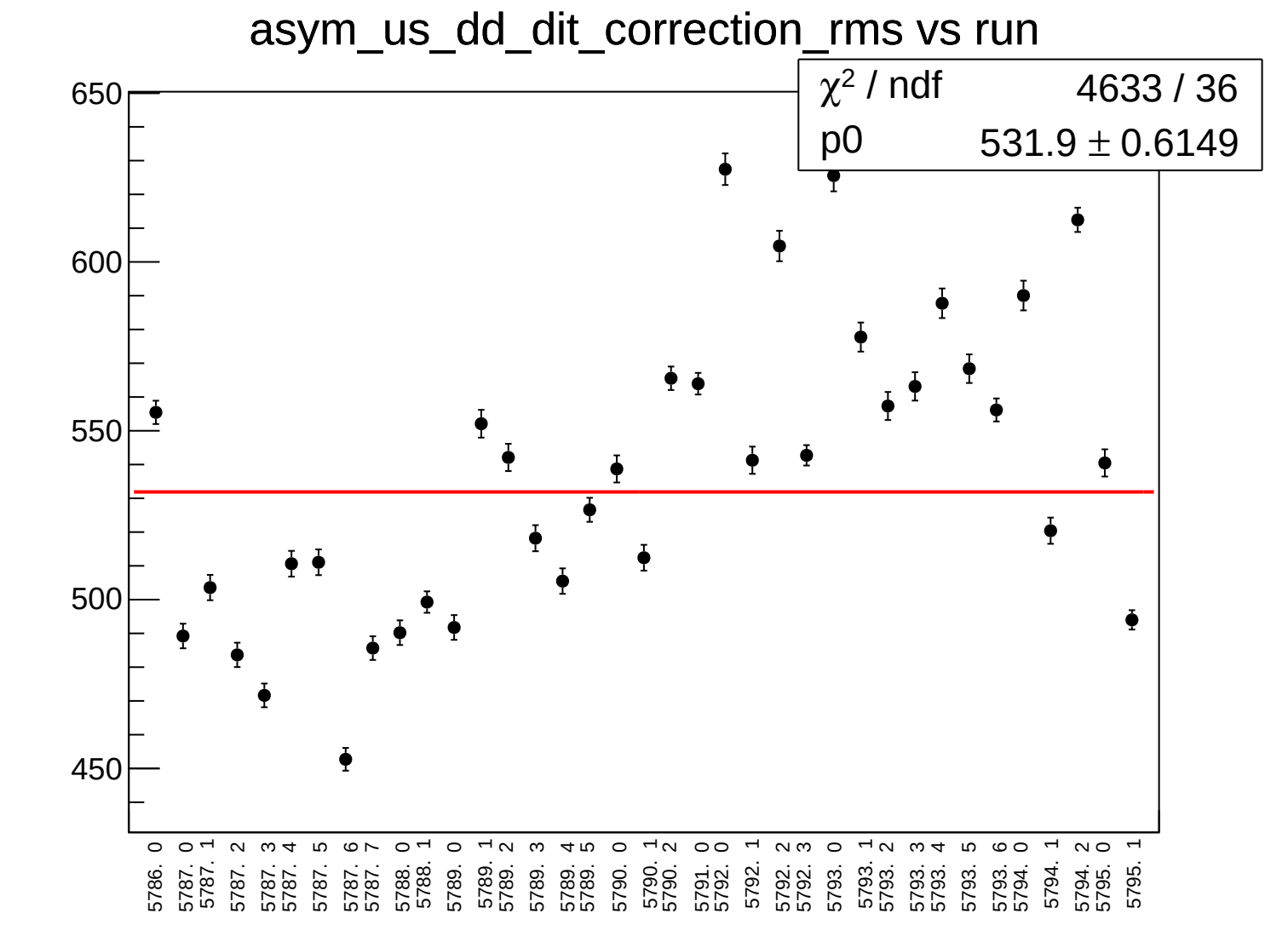
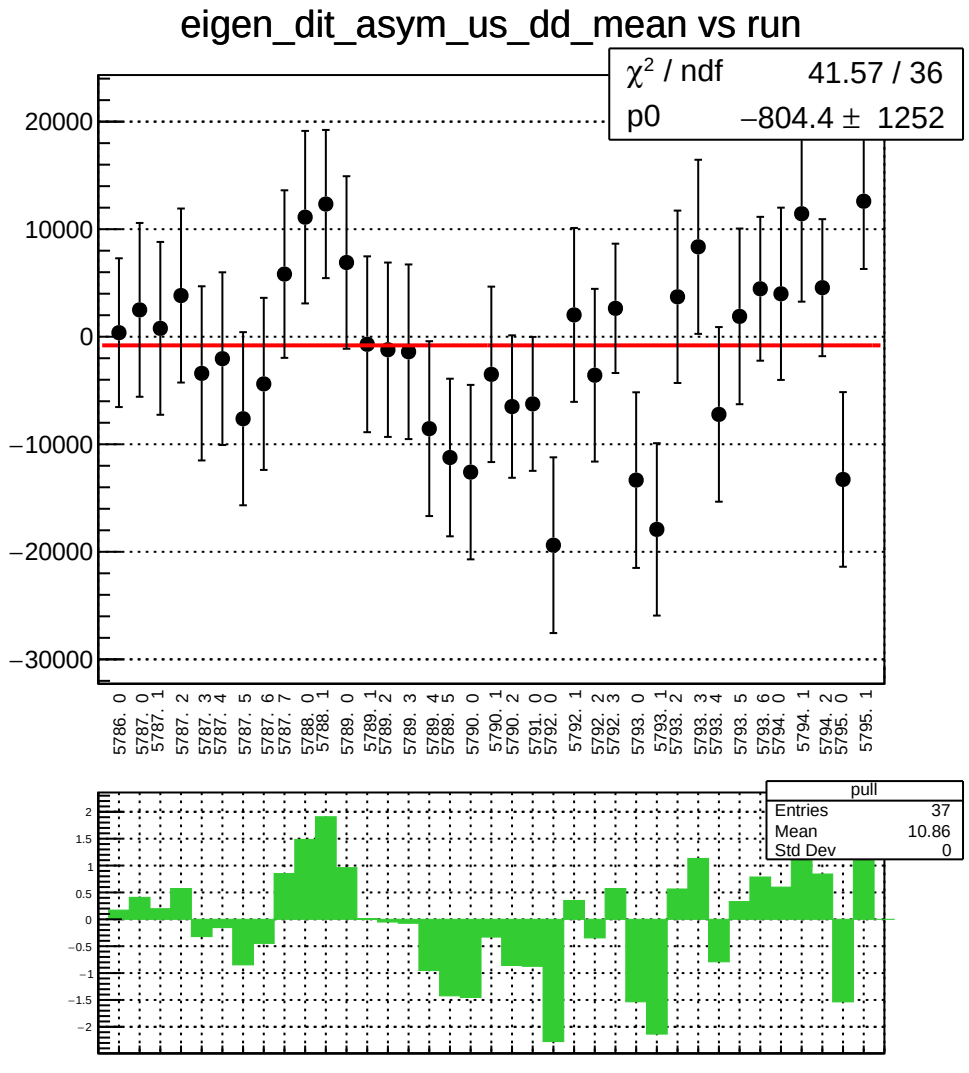
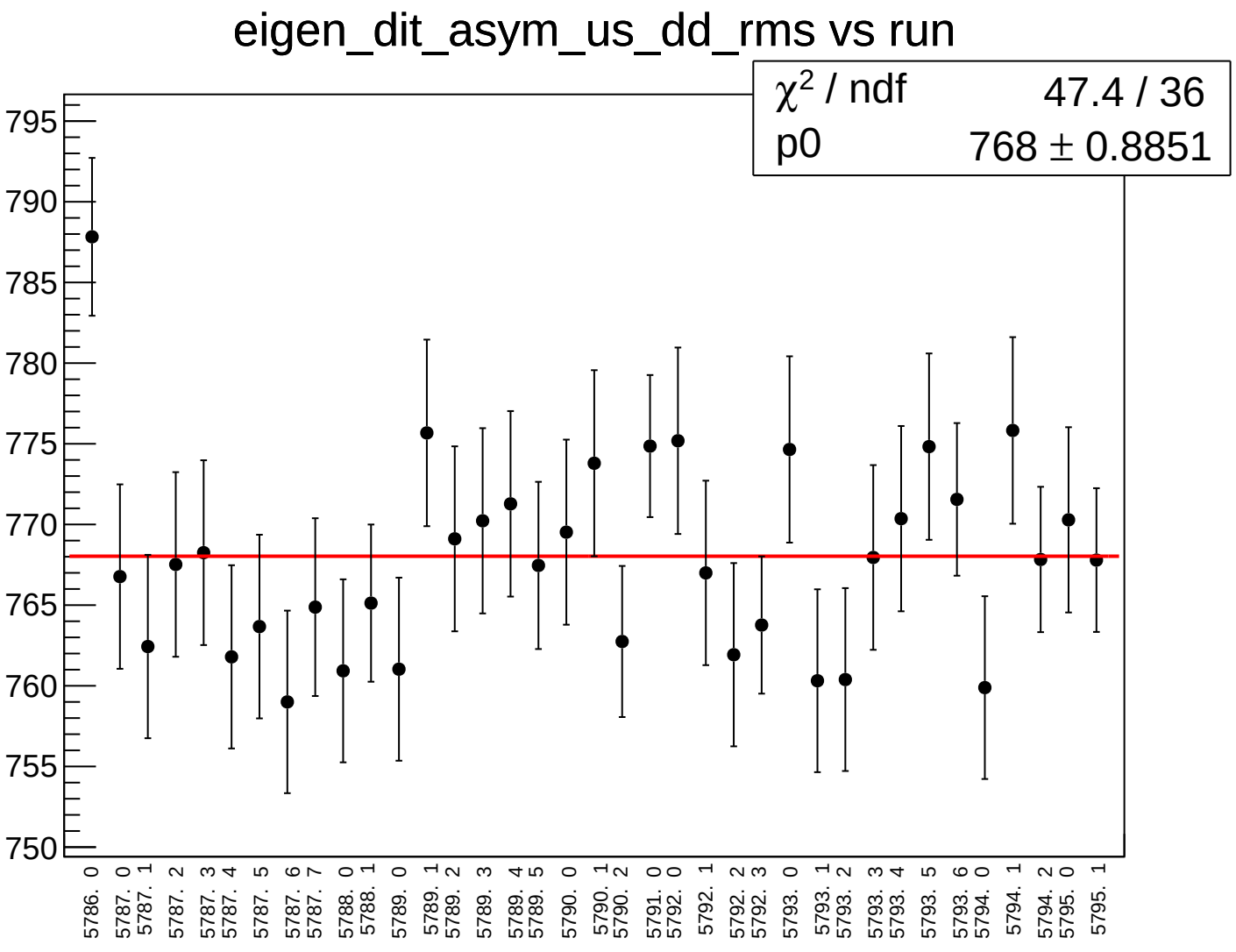
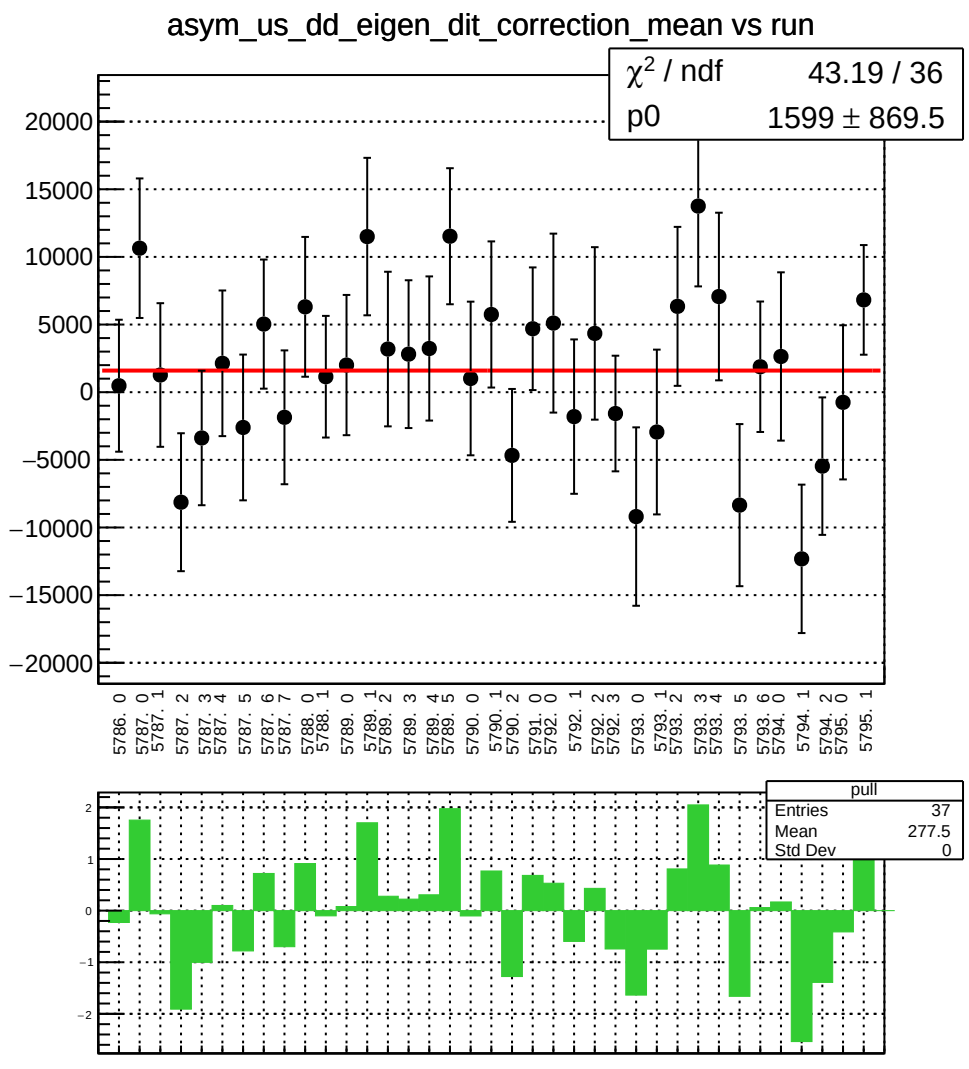
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

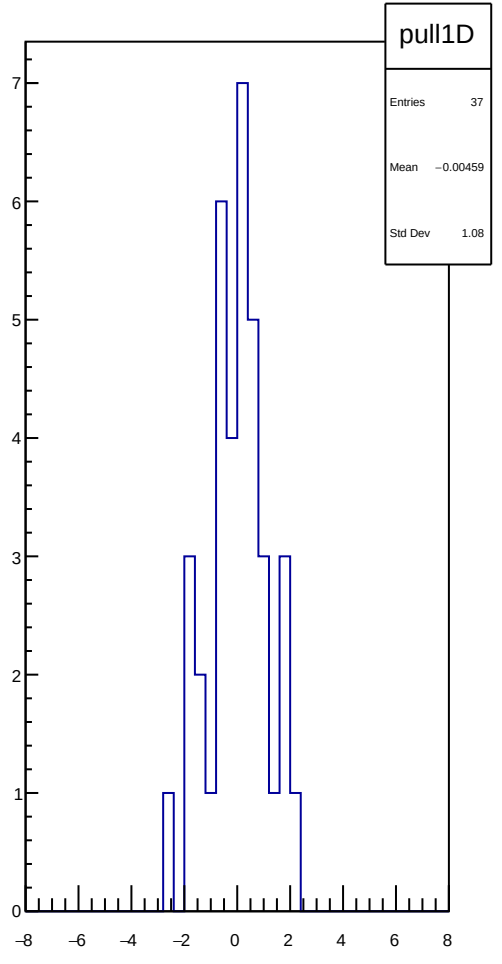

asym_us_dd_dit_correction_mean vs run
χ² / ndf 43.19 / 36
p0 1599 ± 869.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 277.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.00459
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

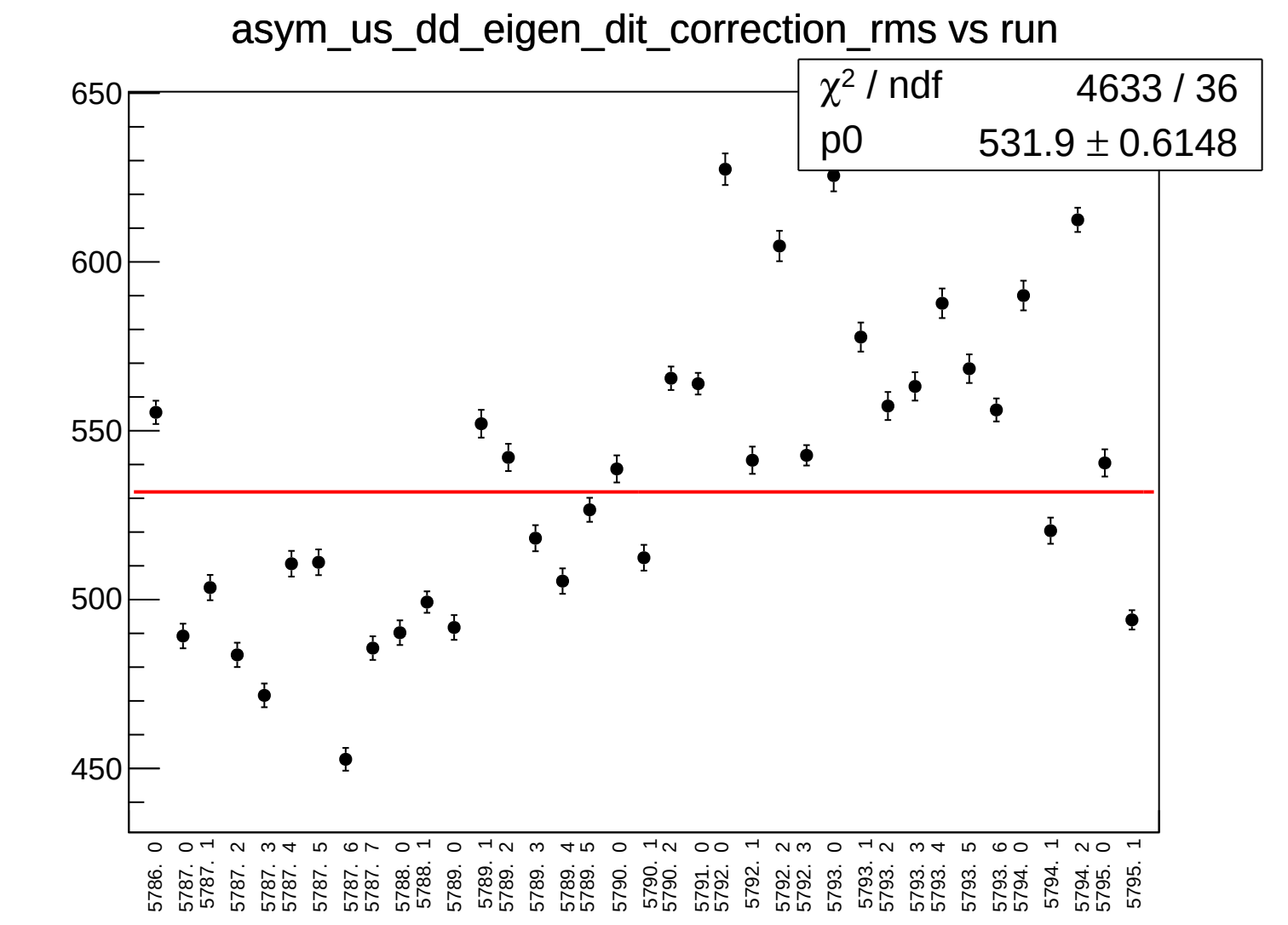

asym_us_dd_dit_correction_rms vs run
χ² / ndf 4633 / 36
p0 531.9 ± 0.6149
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

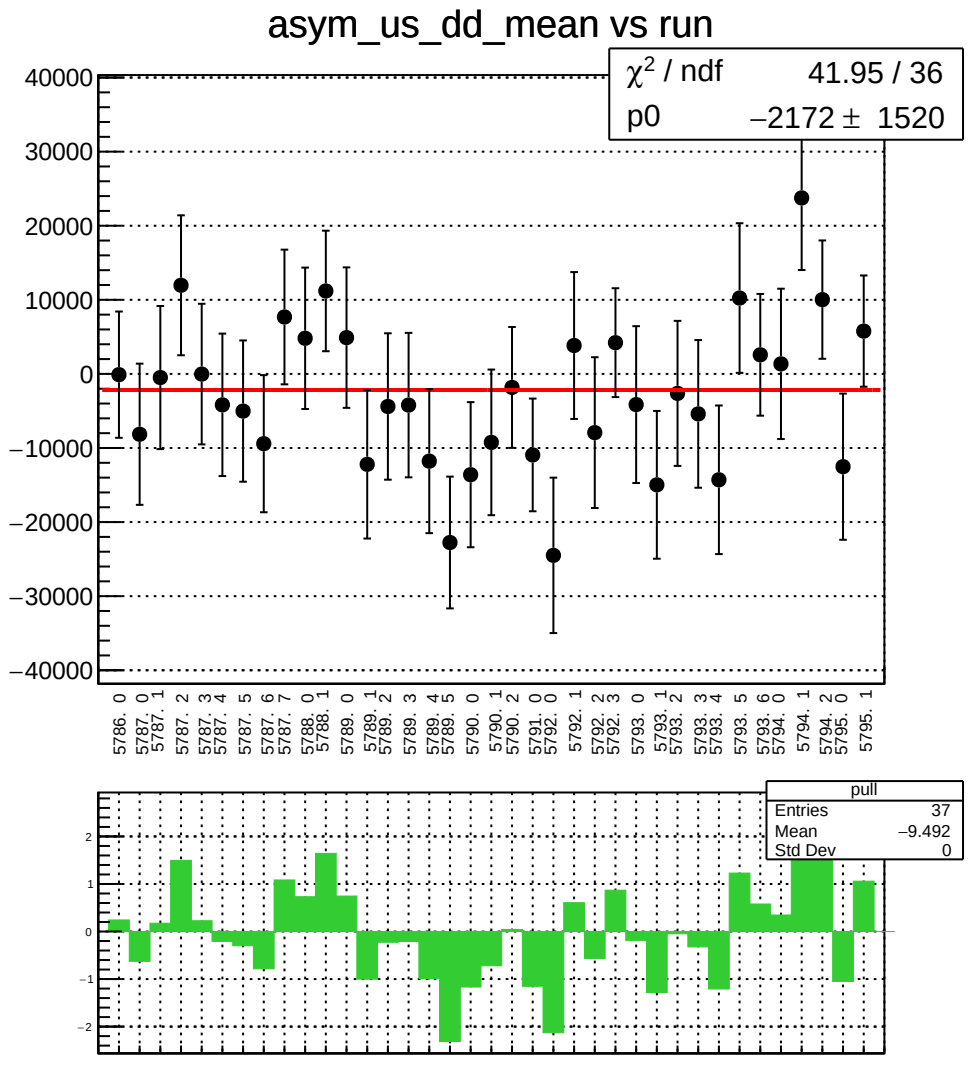

eigen_dit_asym_us_dd_mean vs run
χ² / ndf 41.57 / 36
p0 −804.4 ± 1252
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.86
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02779
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

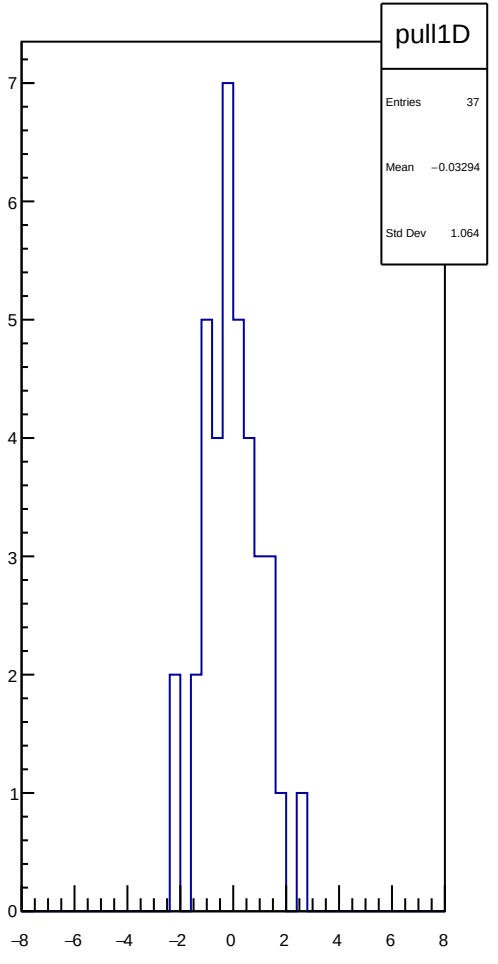

eigen_dit_asym_us_dd_rms vs run
χ² / ndf 47.4 / 36
p0 768 ± 0.8851
795
790
785
780
775
770
765
760
755
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

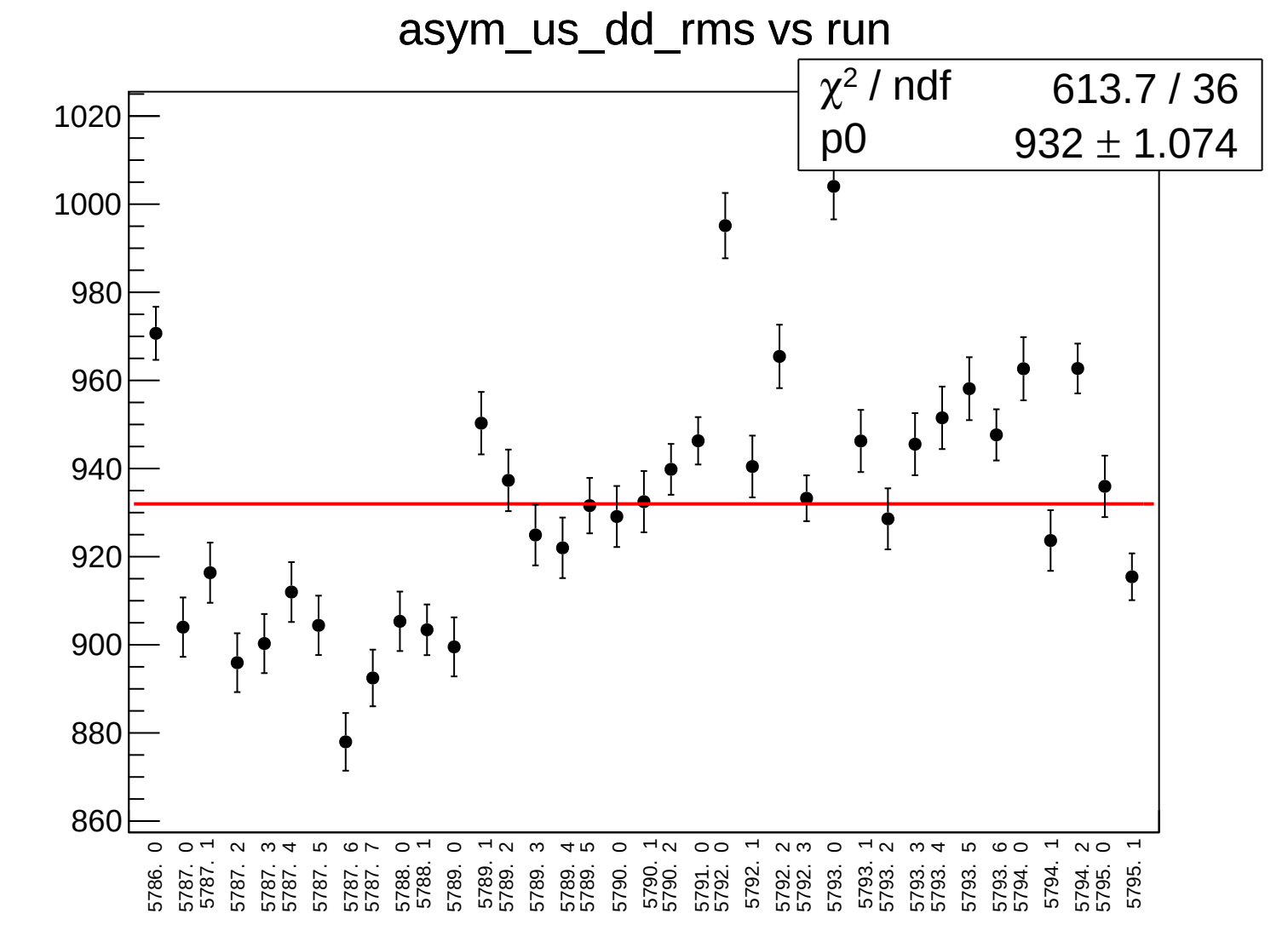

asym_us_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 43.19 / 36
p0 1599 ± 869.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 277.5
Std Dev 0
2
1
0
−1
−2

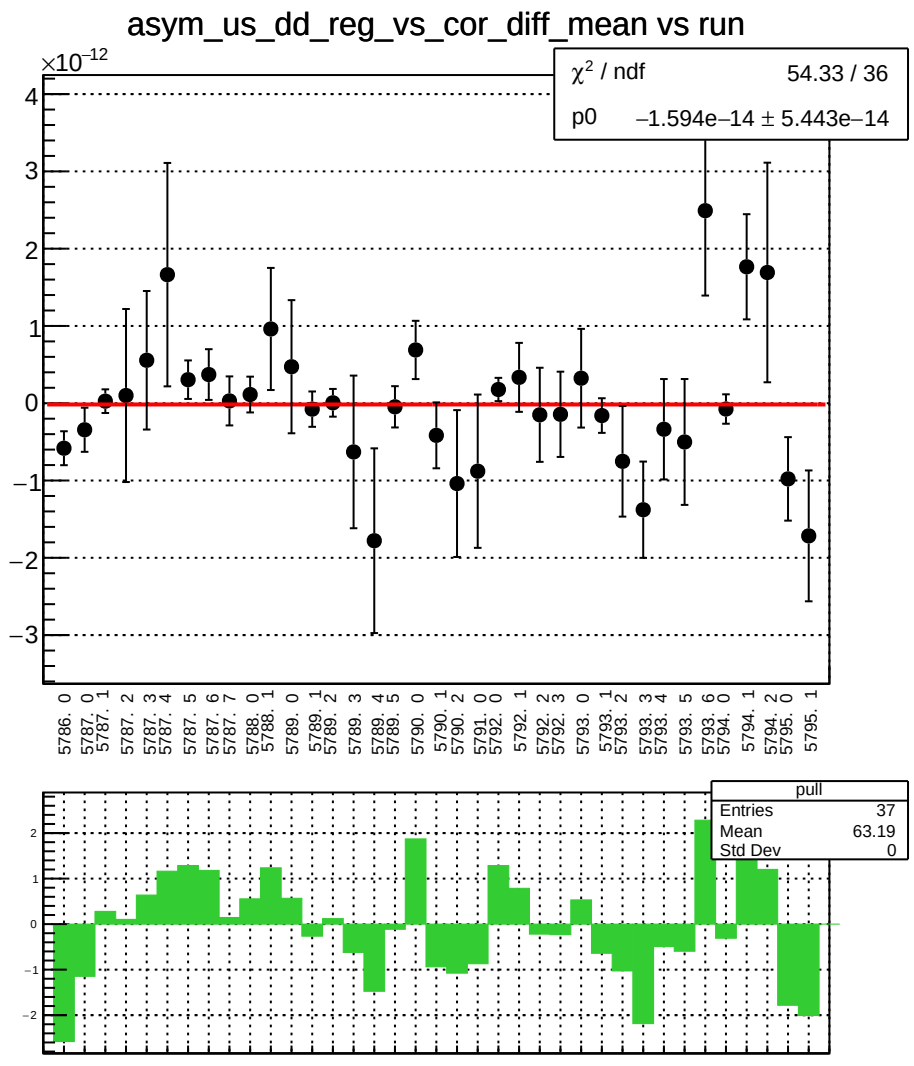

pull1D
Entries 37
Mean −0.00459
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

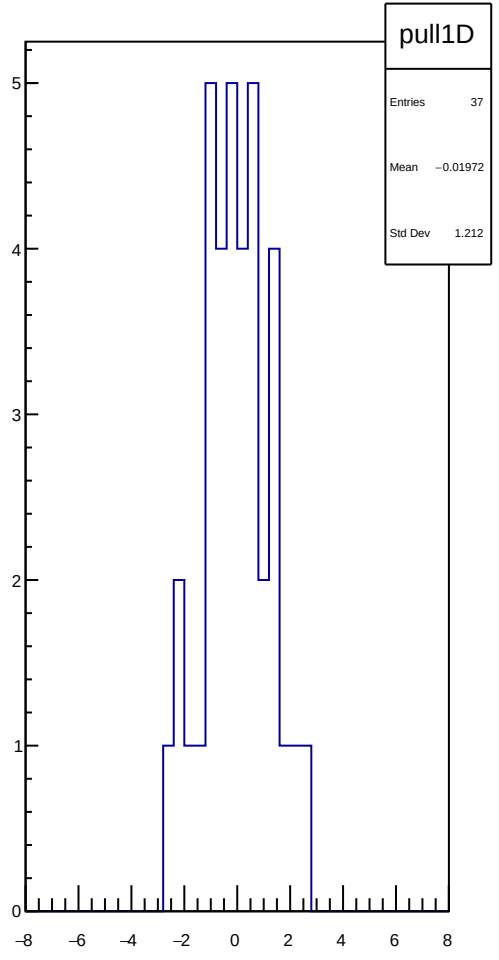

asym_us_dd_eigen_dit_correction_rms vs run
χ² / ndf 4633 / 36
p0 531.9 ± 0.6148
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

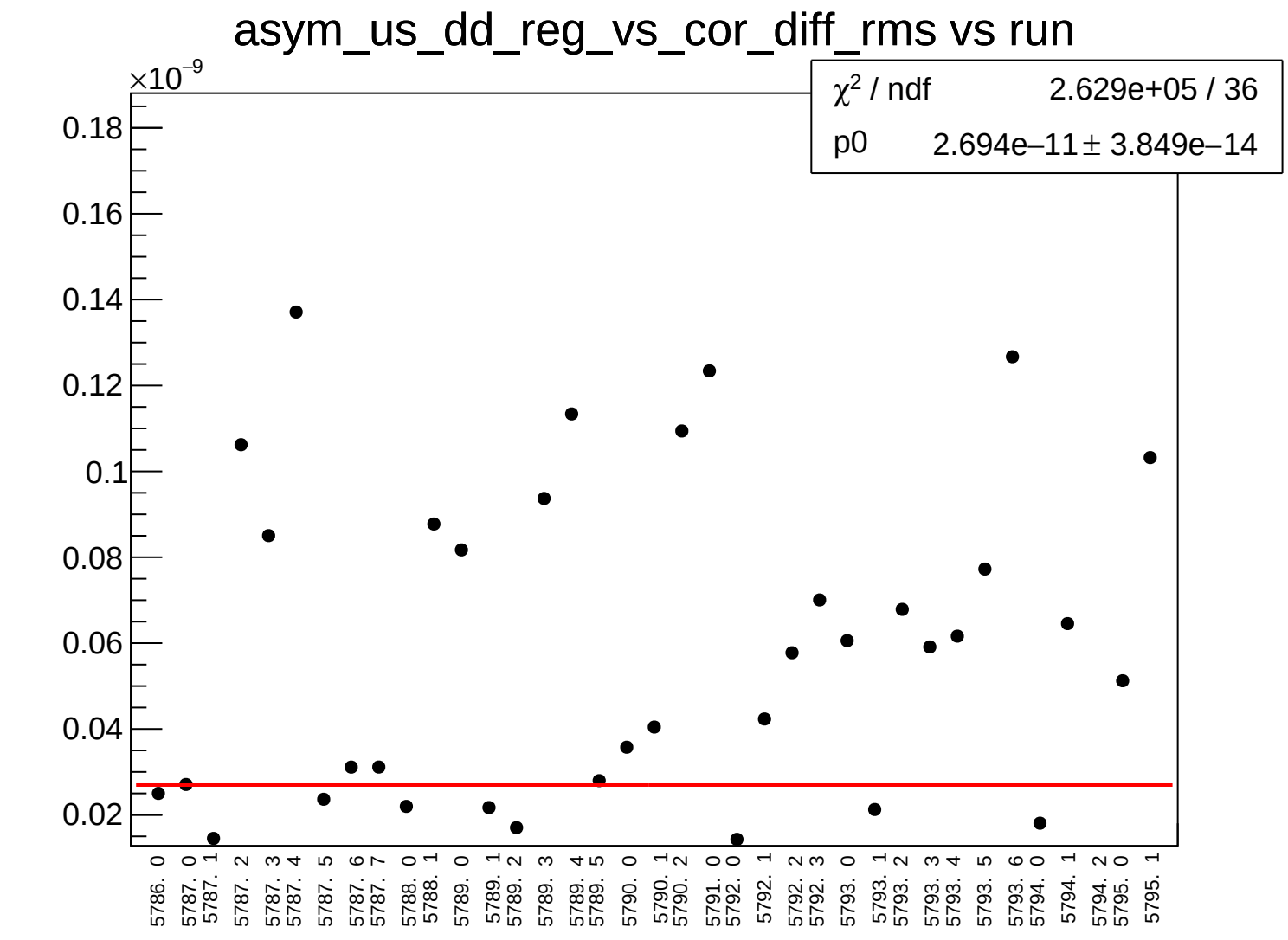

asym_us_dd_mean vs run
χ² / ndf 41.95 / 36
p0 −2172 ± 1520
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.492
Std Dev 0
2
1
0
−1
−2

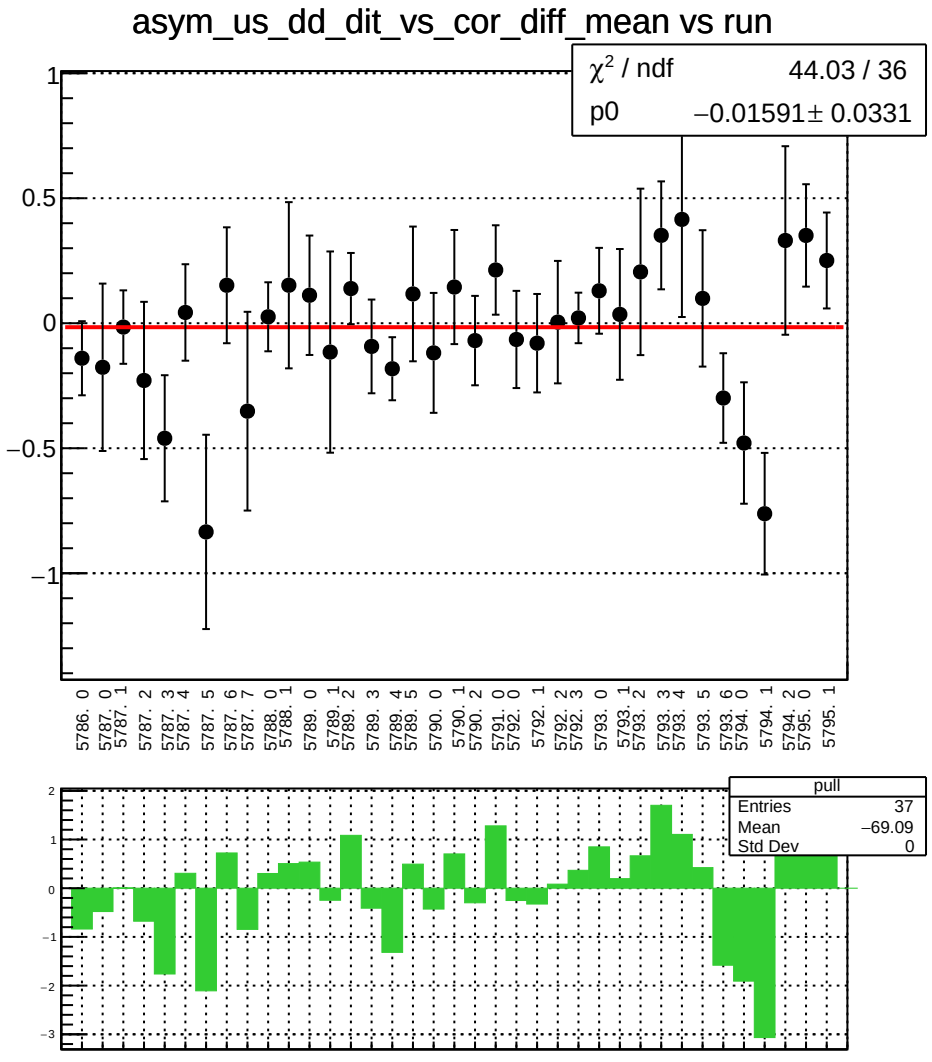

pull1D
Entries 37
Mean −0.03294
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

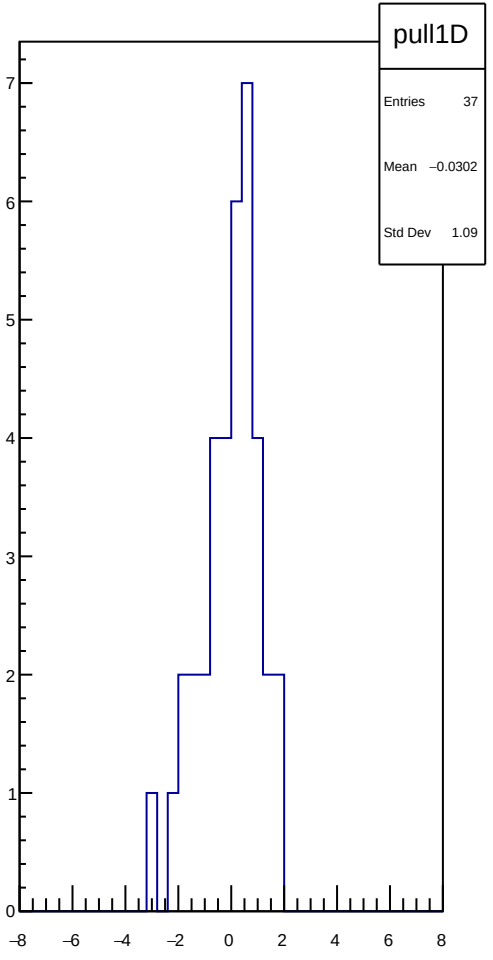

asym_us_dd_rms vs run
χ² / ndf 613.7 / 36
p0 932 ± 1.074
1020
1000
980
960
940
920
900
880
860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

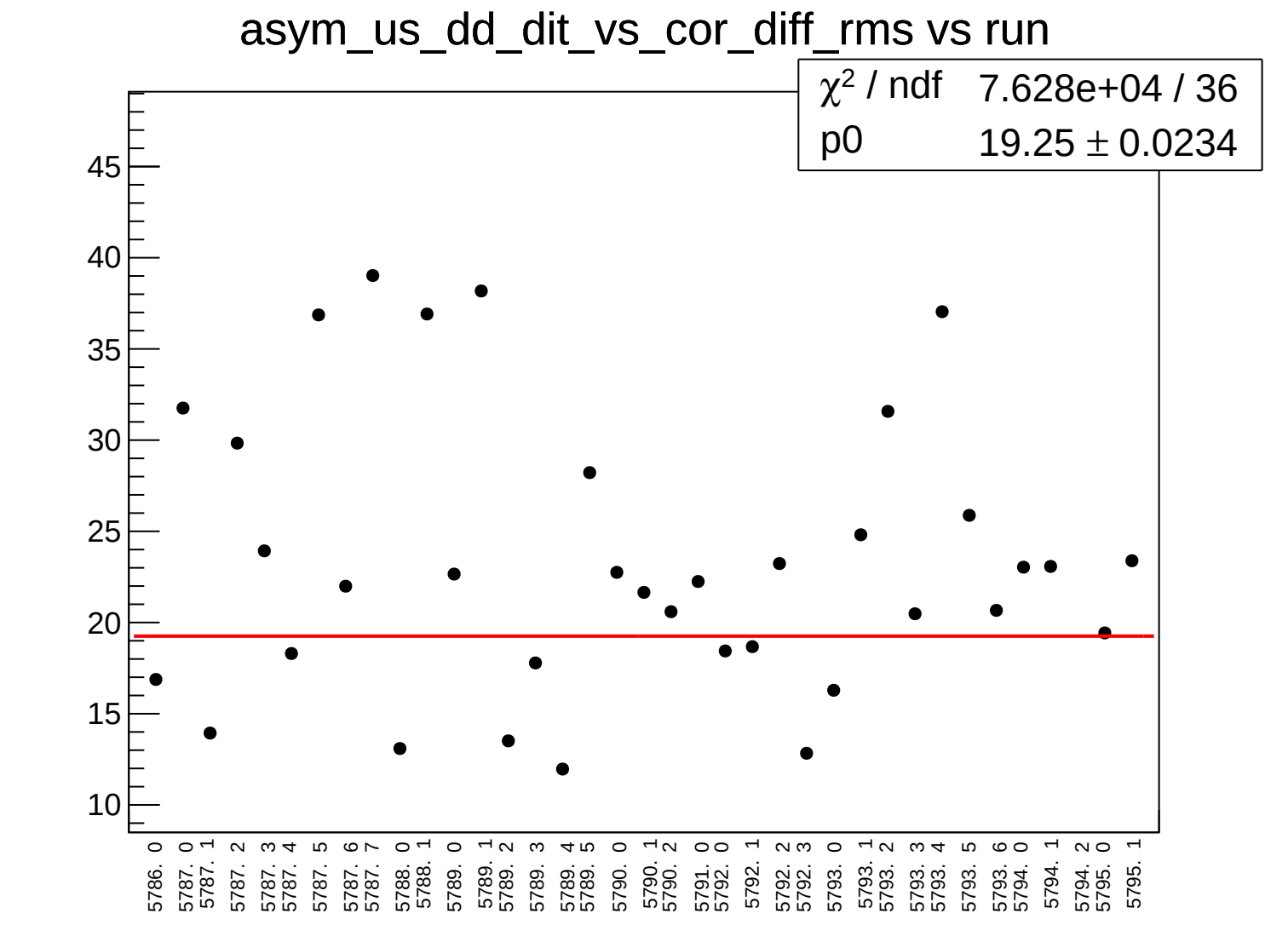

asym_us_dd_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 54.33 / 36
p0 −1.594e−14 ± 5.443e−14
pull
Entries 37
Mean 63.19
Std Dev 0

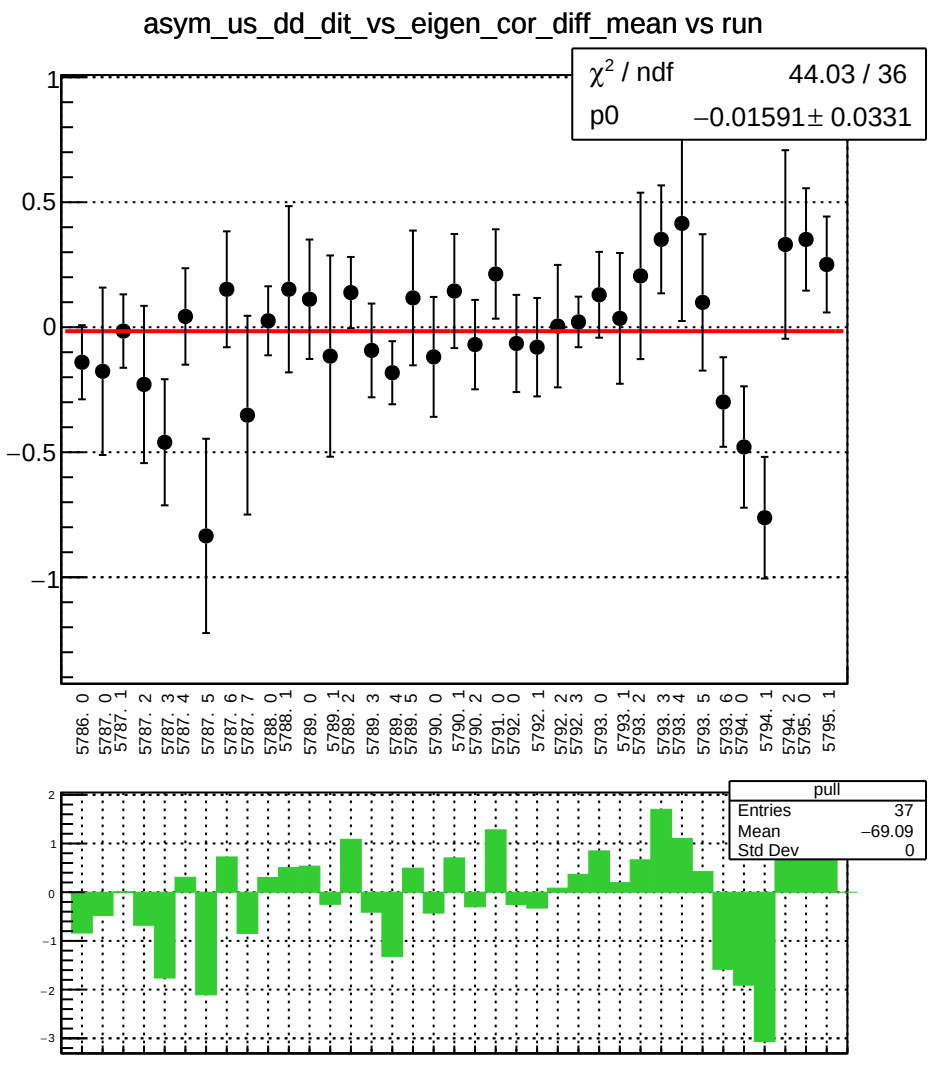

pull1D
Entries 37
Mean −0.01972
Std Dev 1.212

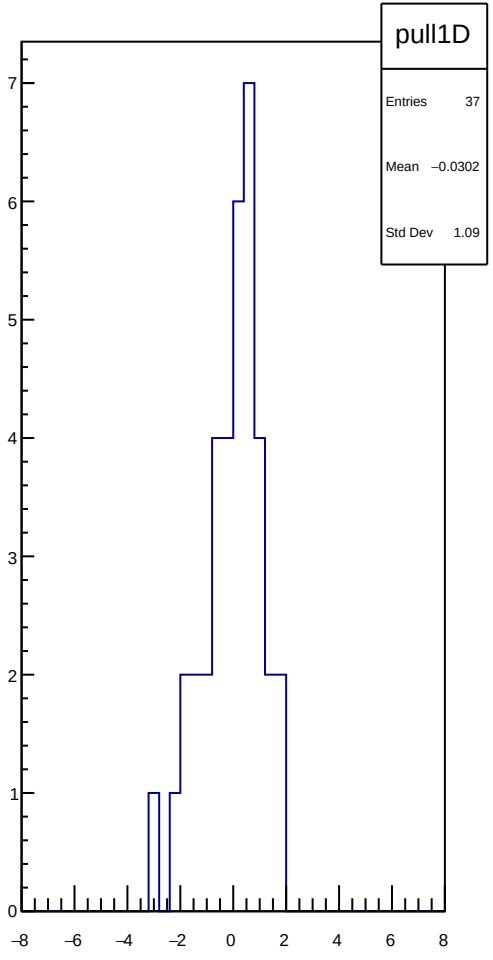

asym_us_dd_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.629e+05 / 36
p0 2.694e−11 ± 3.849e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

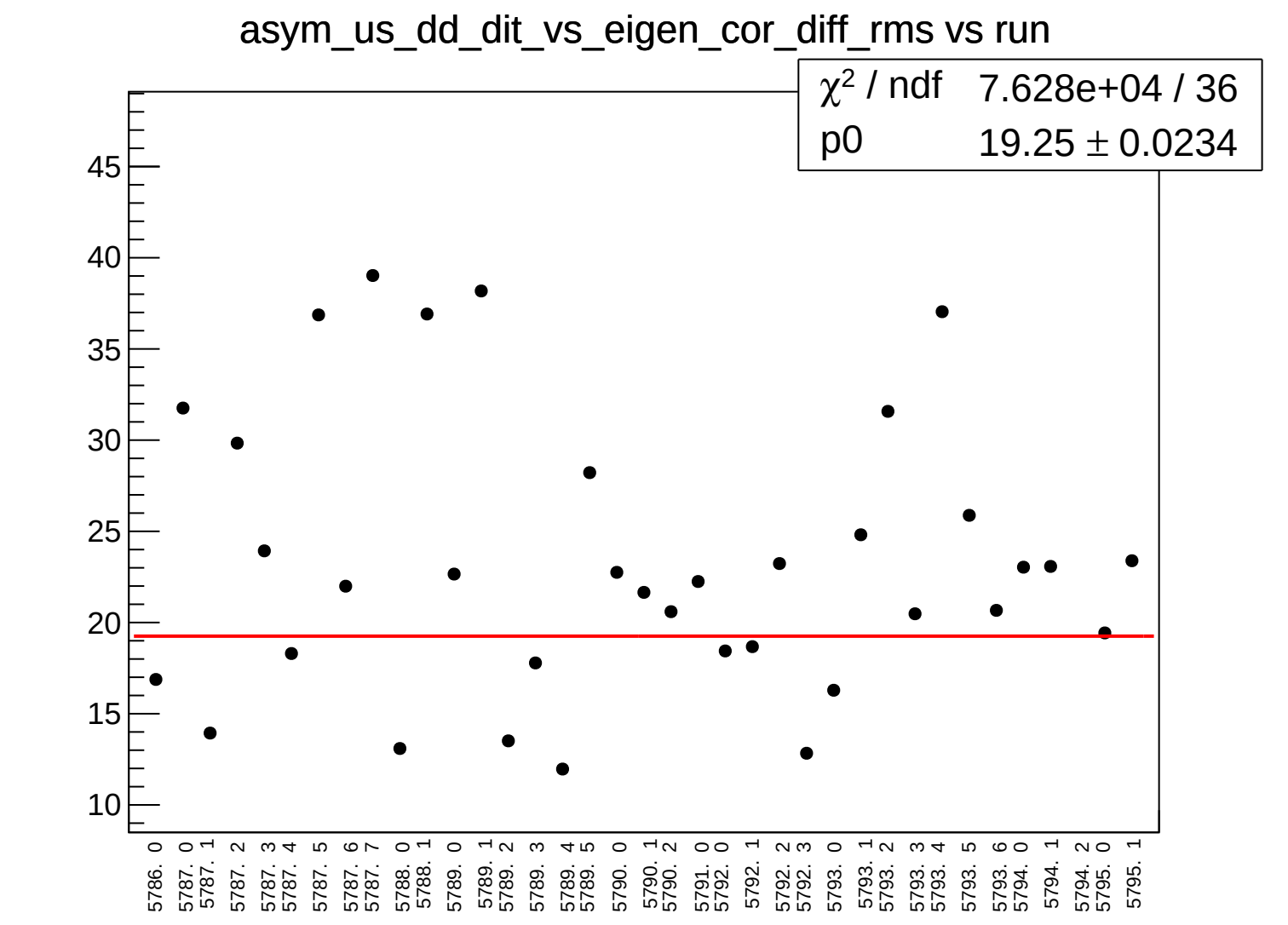

asym_us_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.03 / 36
p0 −0.01591± 0.0331
pull
Entries 37
Mean −69.09
Std Dev 0


pull1D
Entries 37
Mean −0.0302
Std Dev 1.09

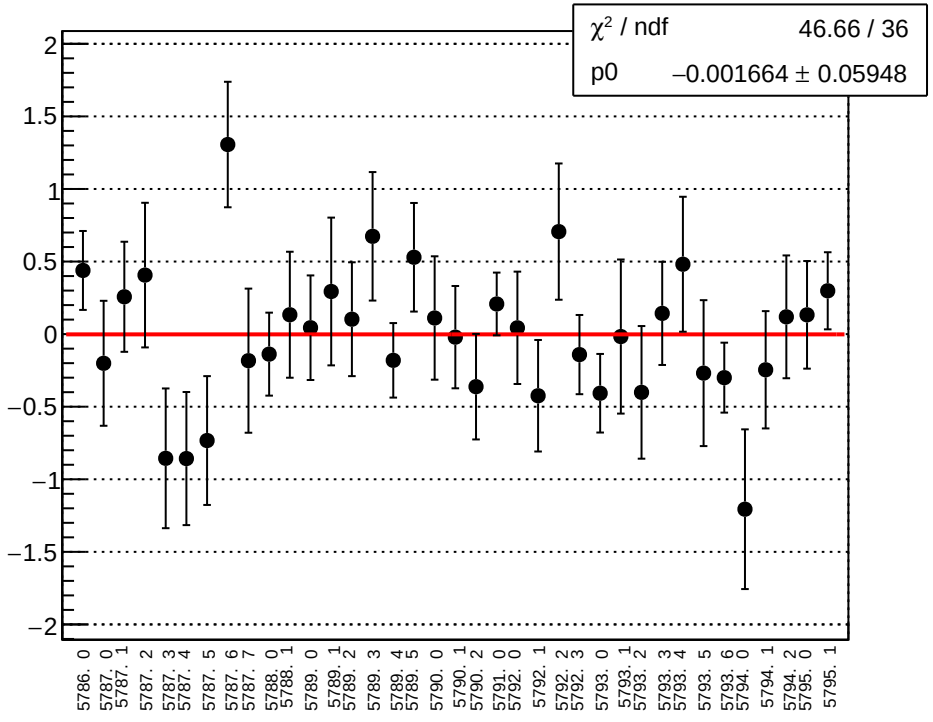

asym_us_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 36
p0 19.25 ± 0.0234
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

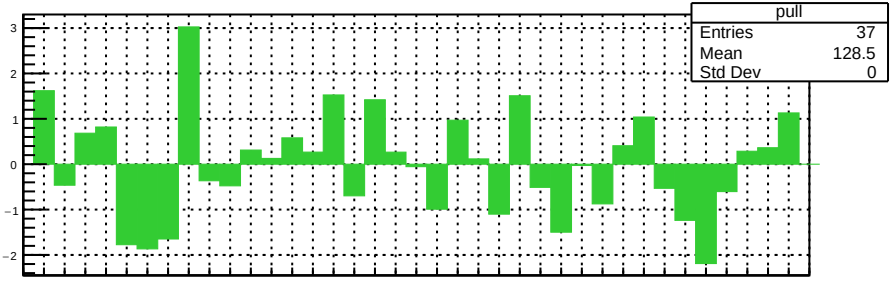

asym_us_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.03 / 36
p0 −0.01591± 0.0331
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.09
Std Dev 0
2
1
0
−1
−2
−3

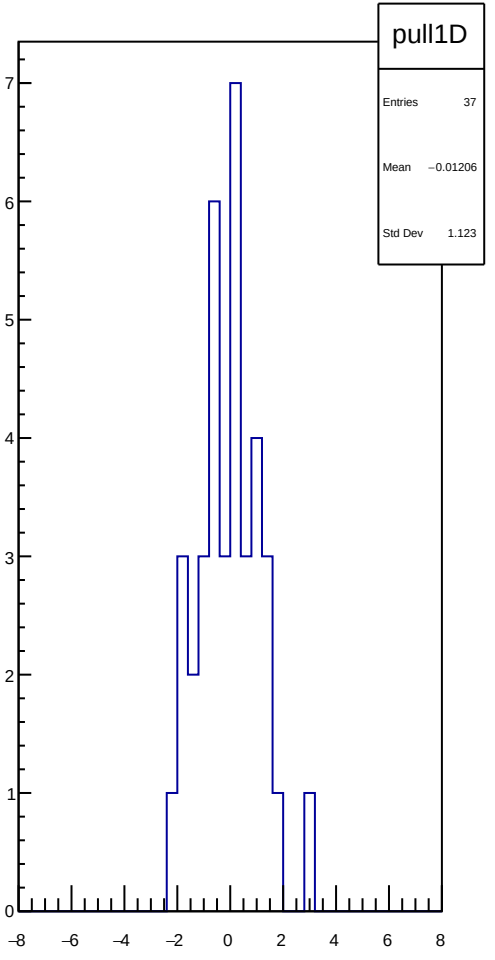

pull1D
Entries 37
Mean −0.0302
Std Dev 1.09
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

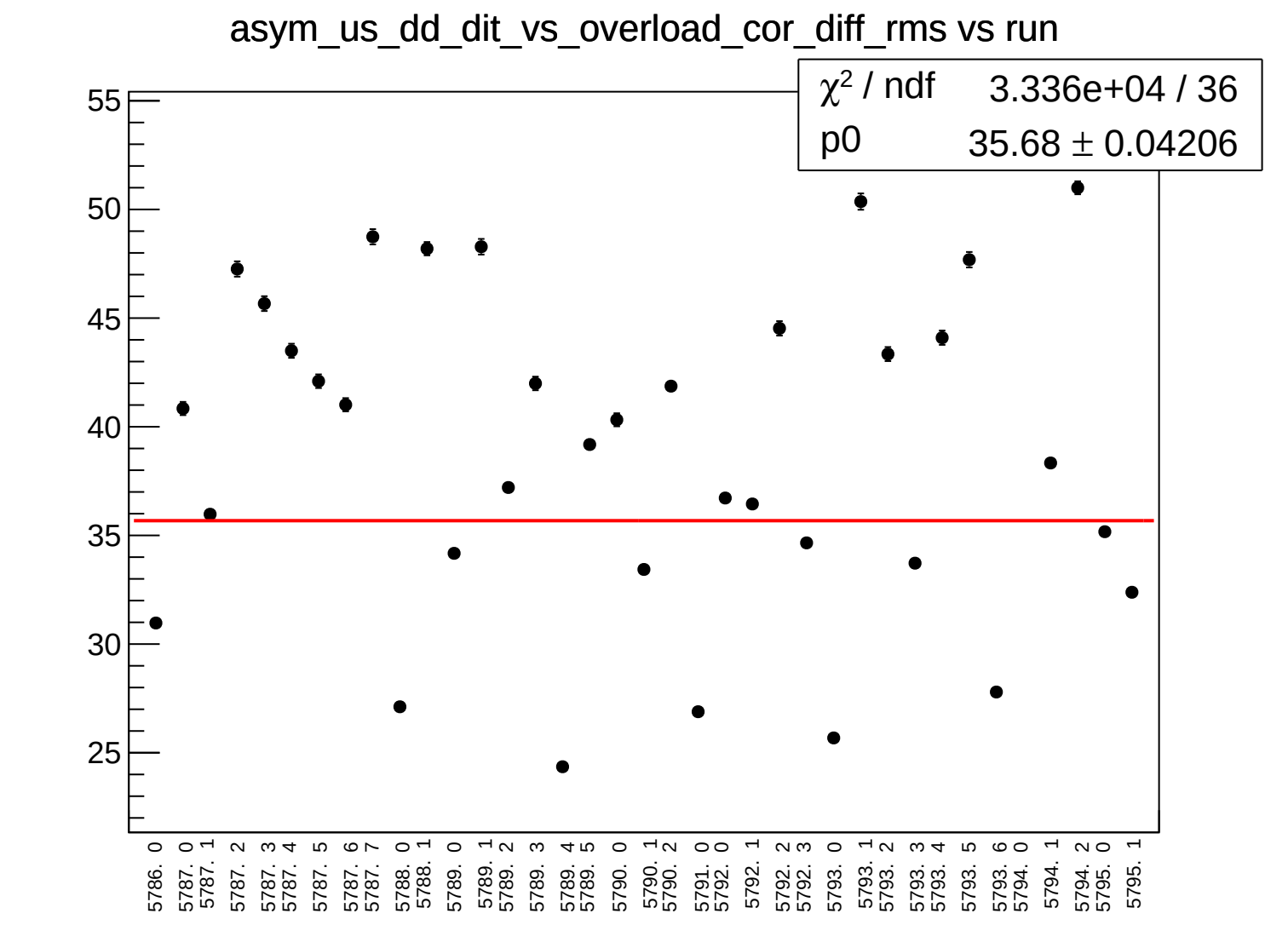

asym_us_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 36
p0 19.25 ± 0.0234
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

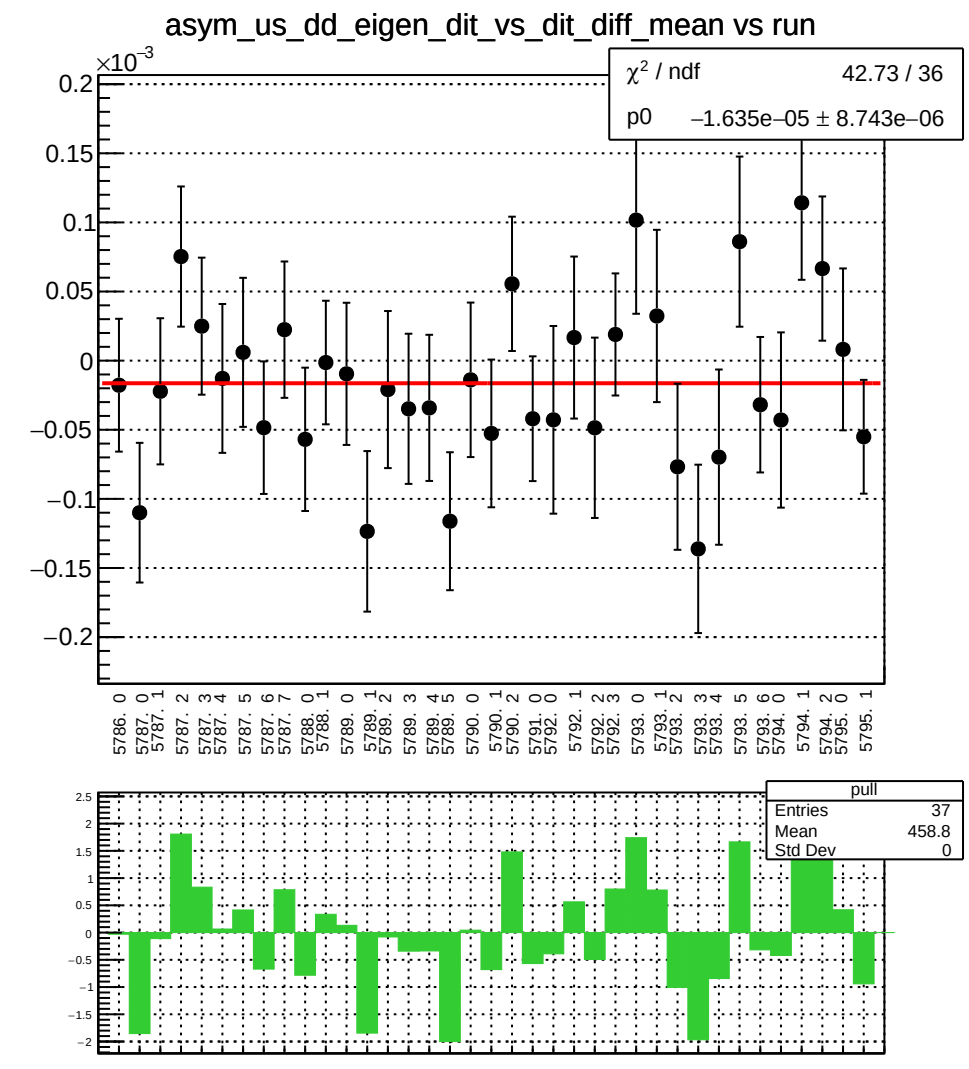
asym_us_dd_dit_vs_overload_cor_diff_mean vs run

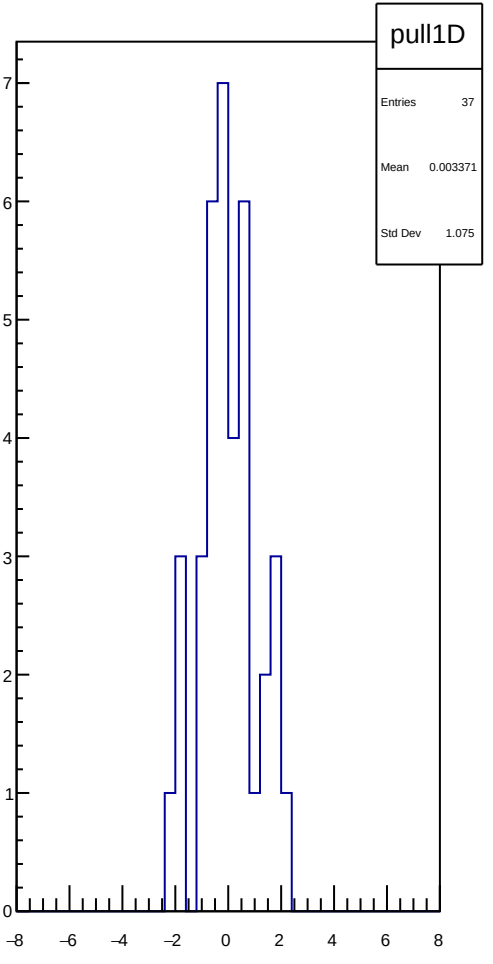


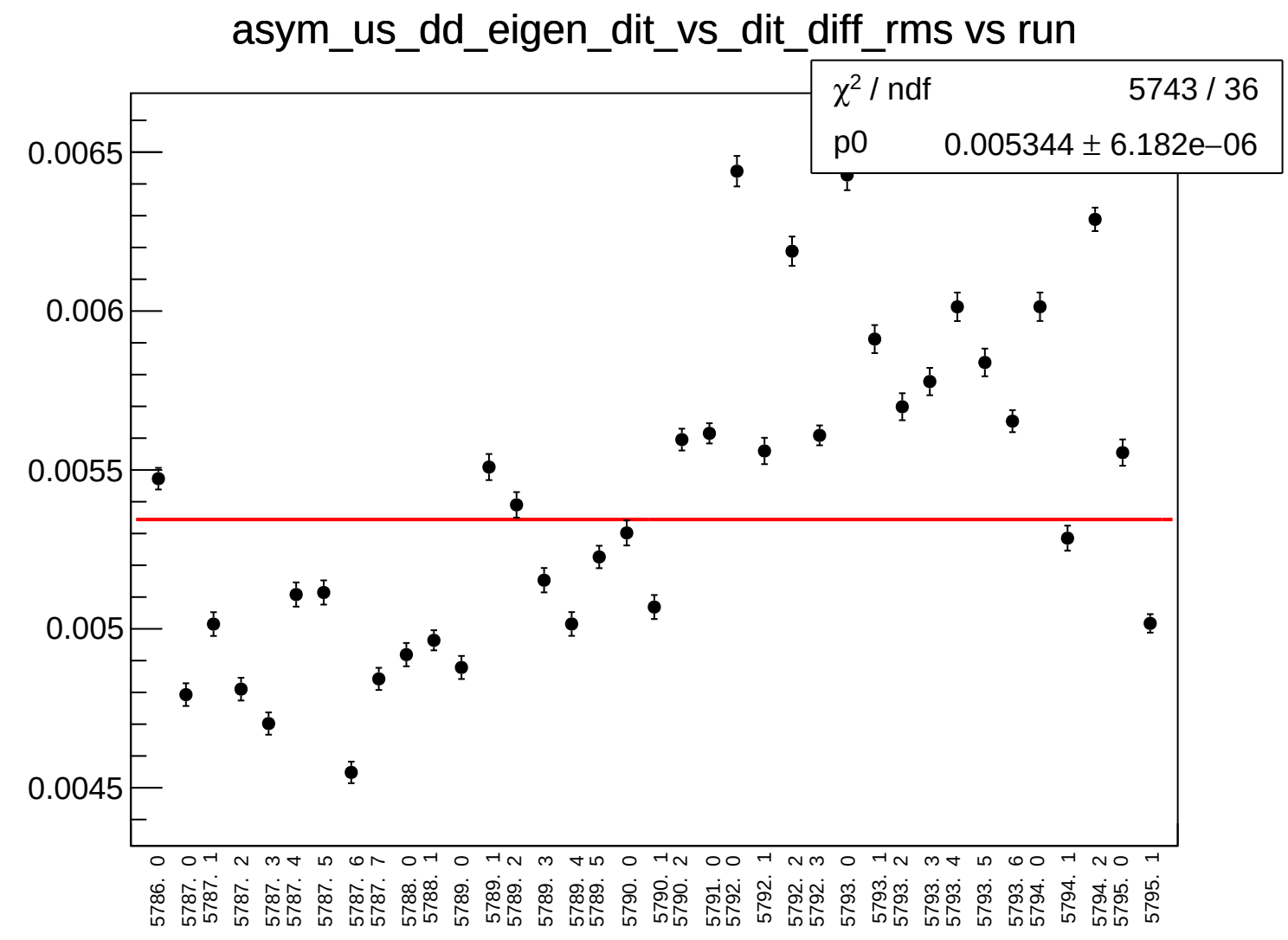


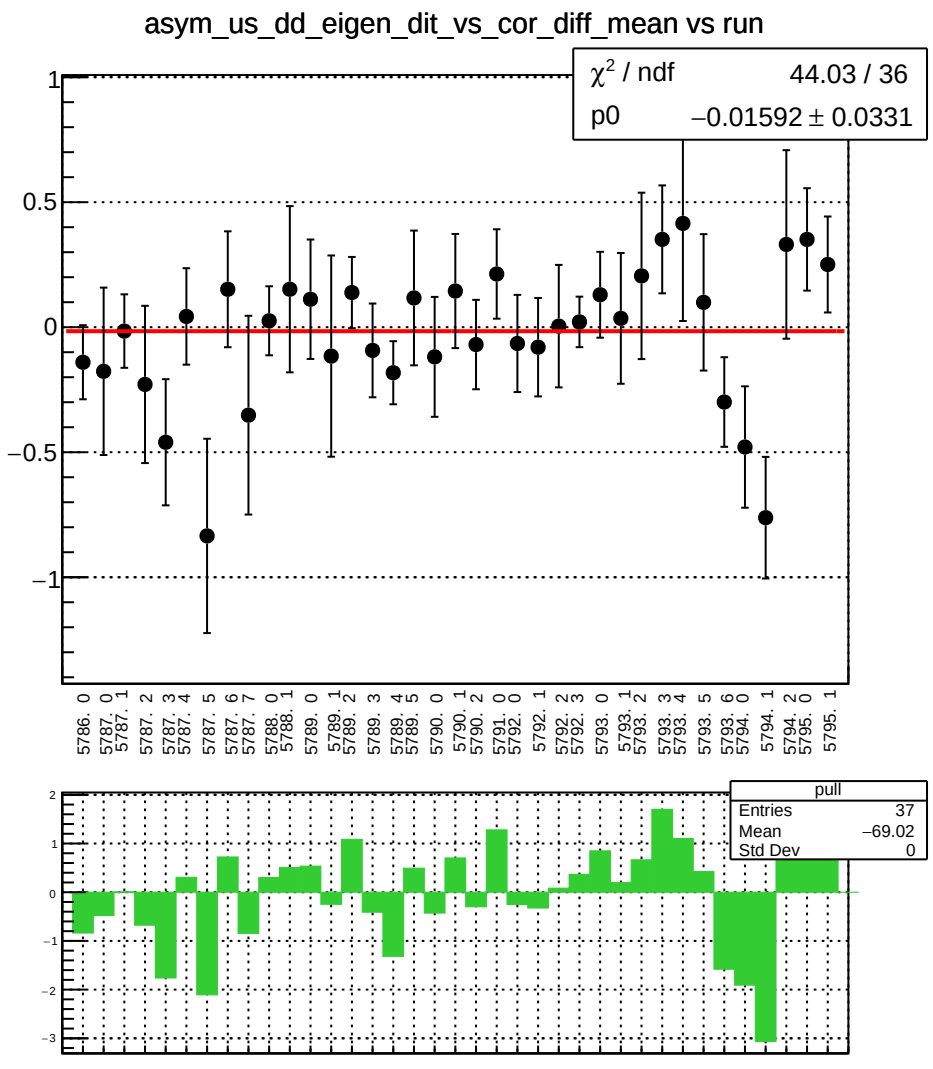


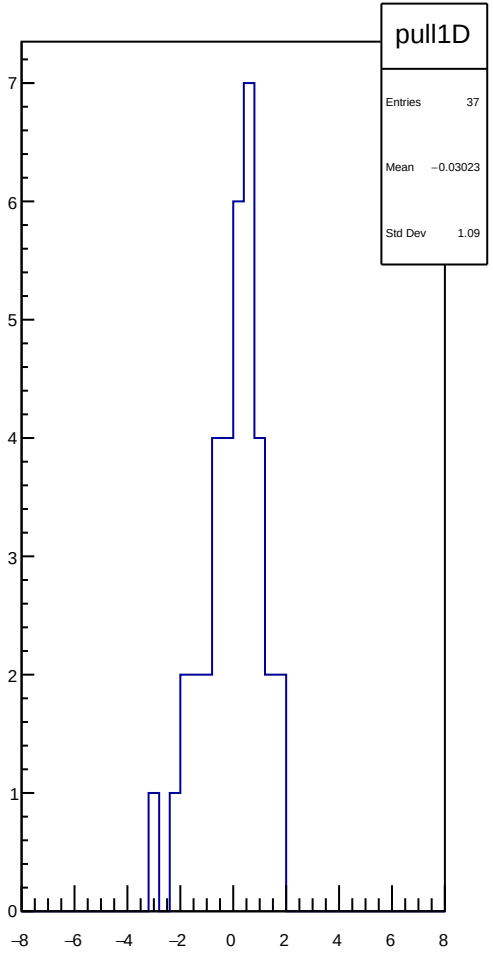

asym_us_dd_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.336e+04 / 36
p0 35.68 ± 0.04206
55
50
45
40
35
30
25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

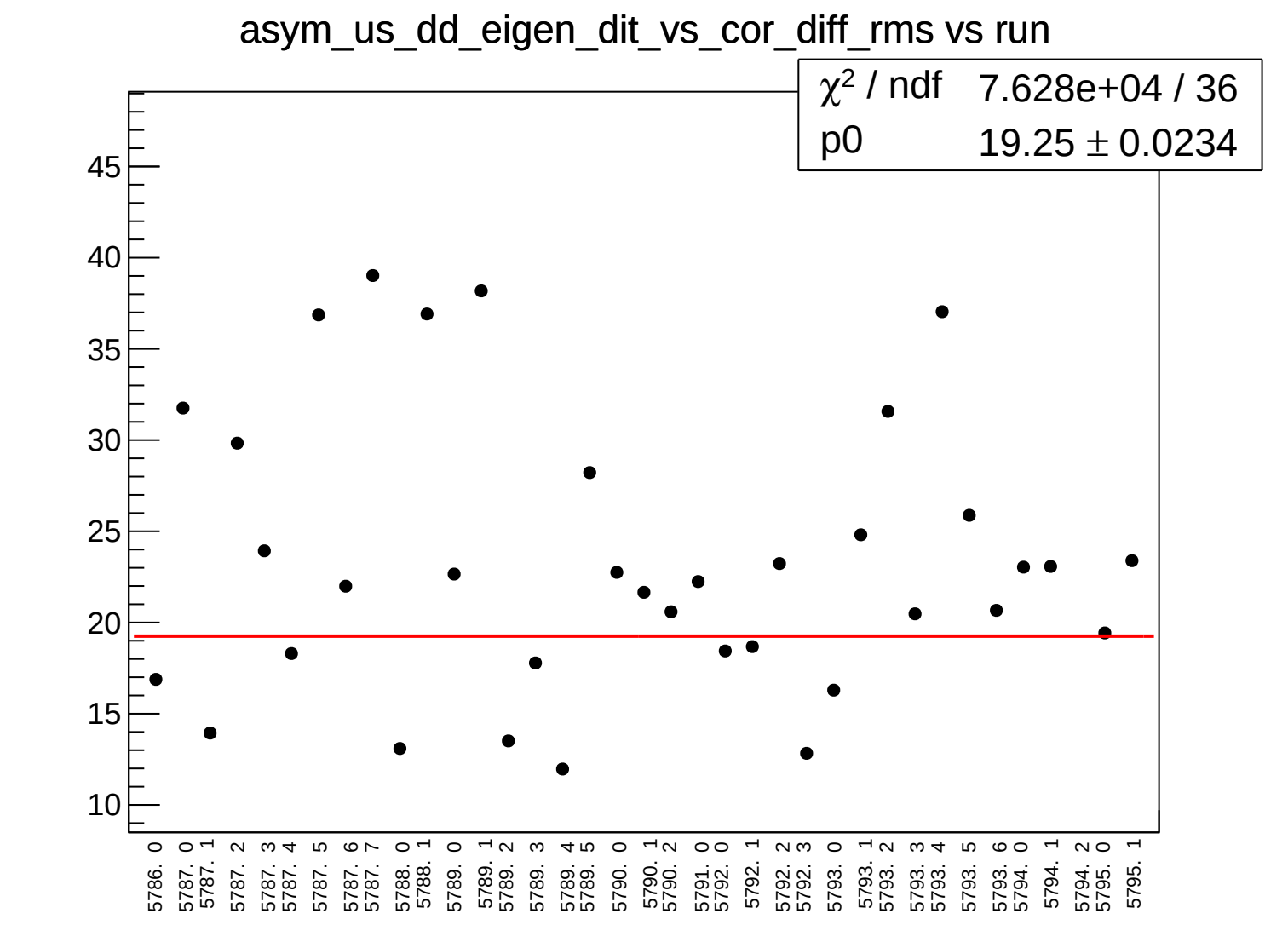

asym_us_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.73 / 36
p0 −1.635e−05 ± 8.743e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 458.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

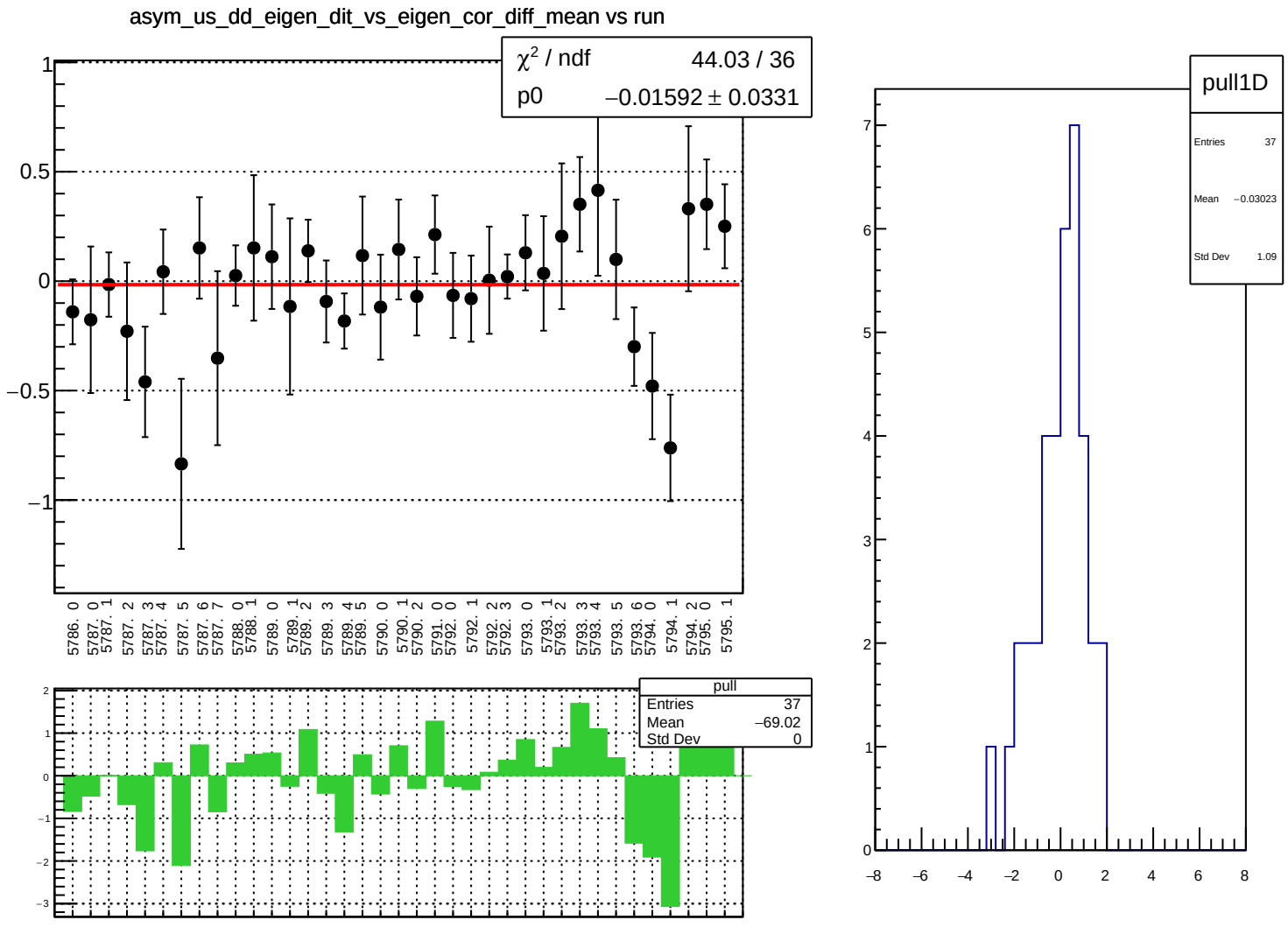

pull1D
Entries 37
Mean 0.003371
Std Dev 1.075
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

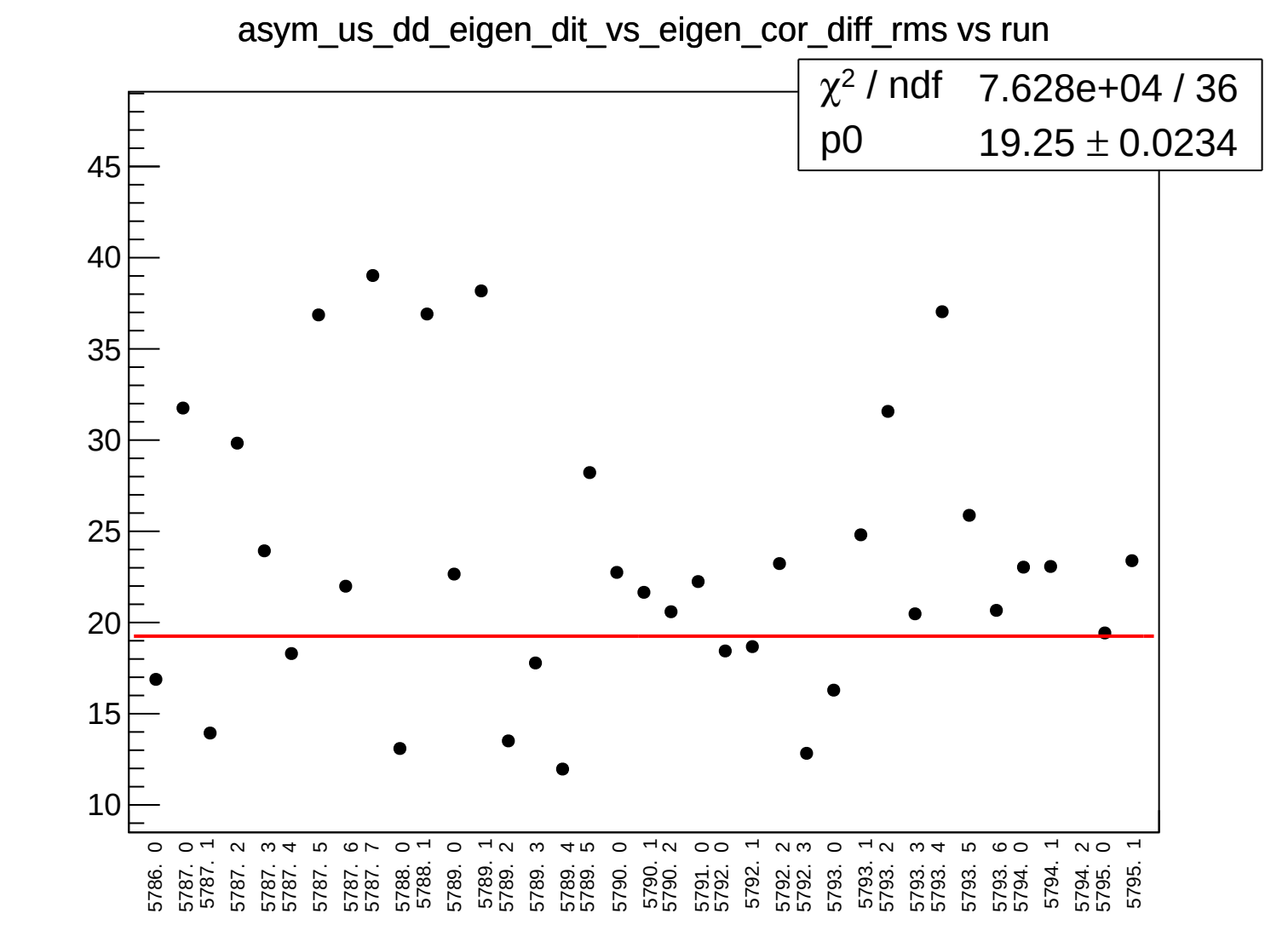

asym_us_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5743 / 36
p0 0.005344 ± 6.182e−06
0.0065
0.006
0.0055
0.005
0.0045
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

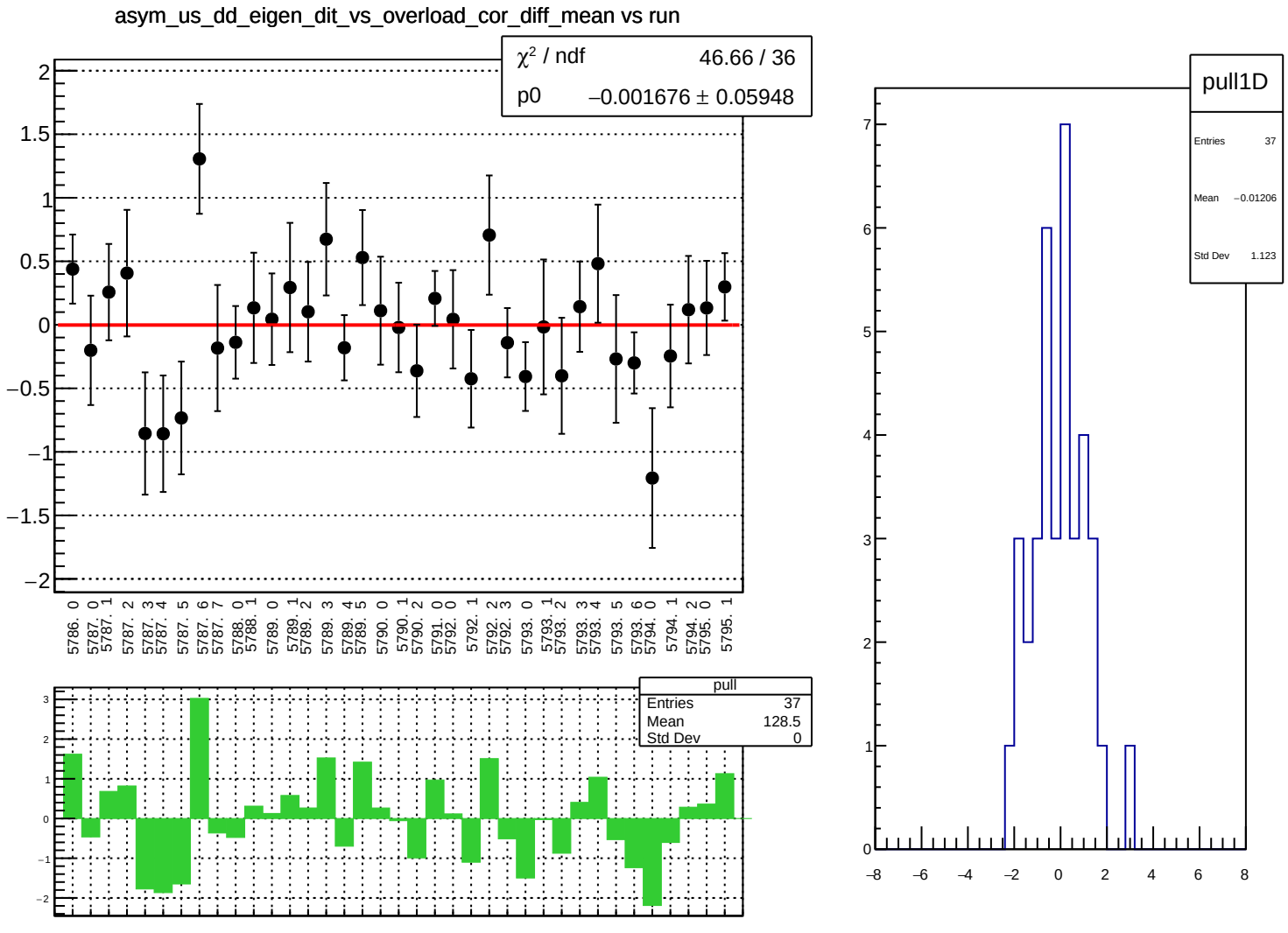

asym_us_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.03 / 36
p0 −0.01592 ± 0.0331
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.02
Std Dev 0
2
1
0
−1
−2
−3

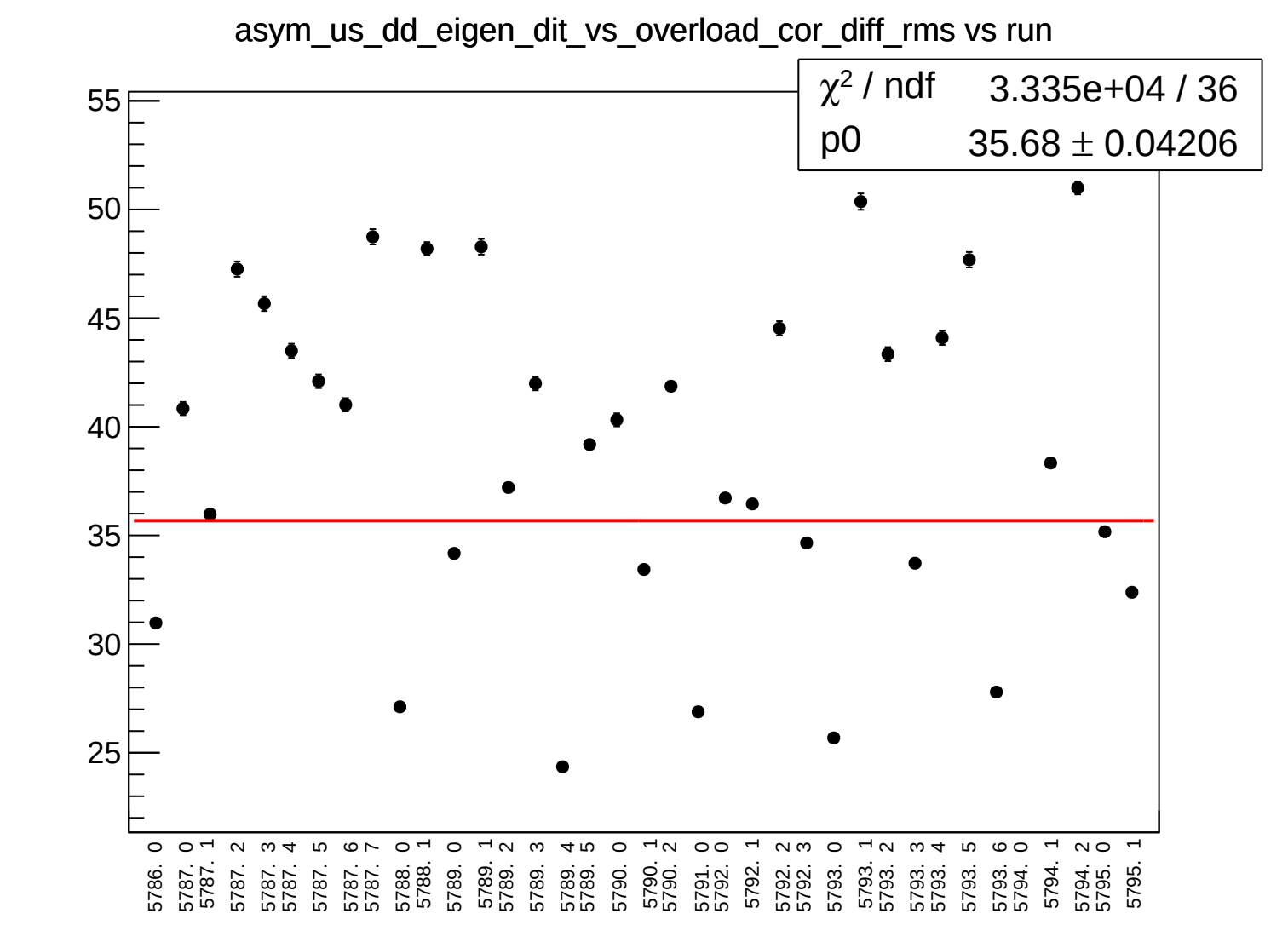

pull1D
Entries 37
Mean −0.03023
Std Dev 1.09
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

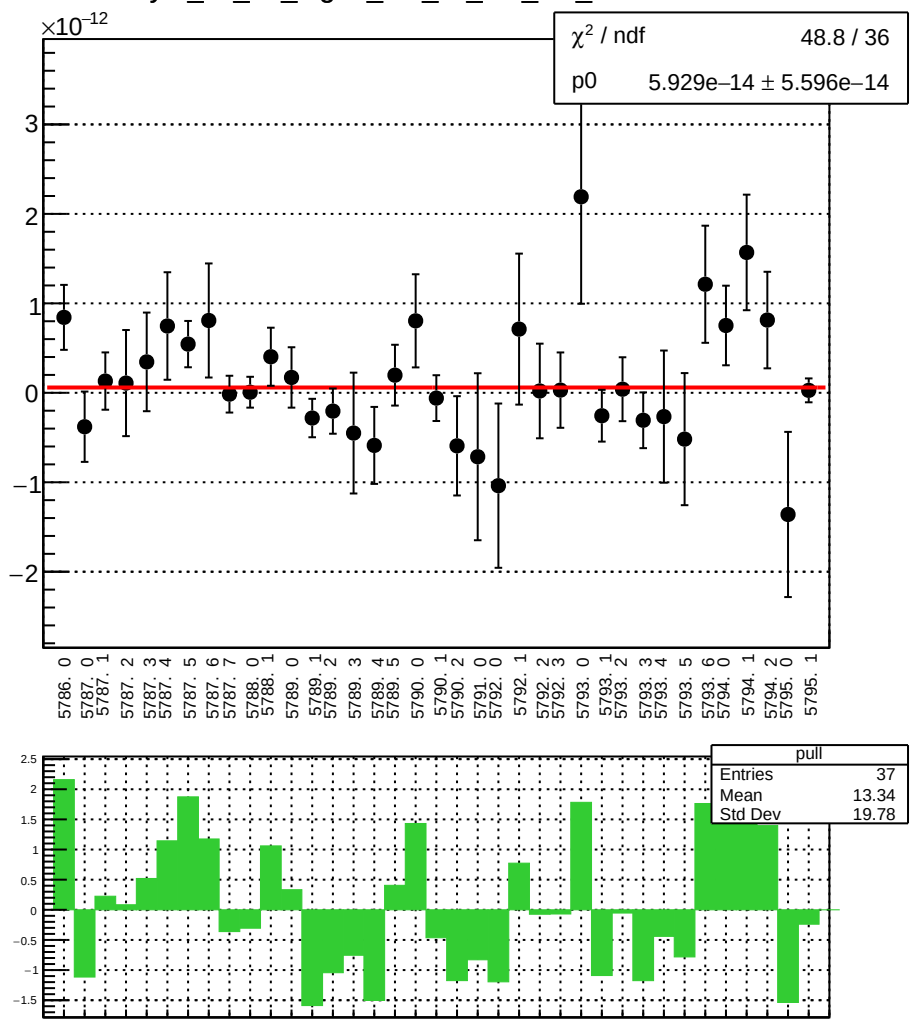

asym_us_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 36
p0 19.25 ± 0.0234
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

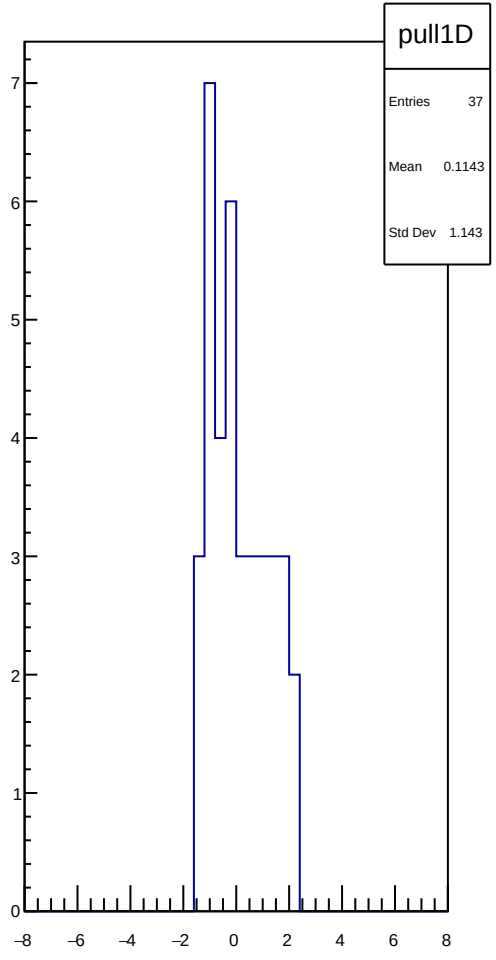

asym_us_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.03 / 36
p0 −0.01592 ± 0.0331
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.02
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.03023
Std Dev 1.09
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

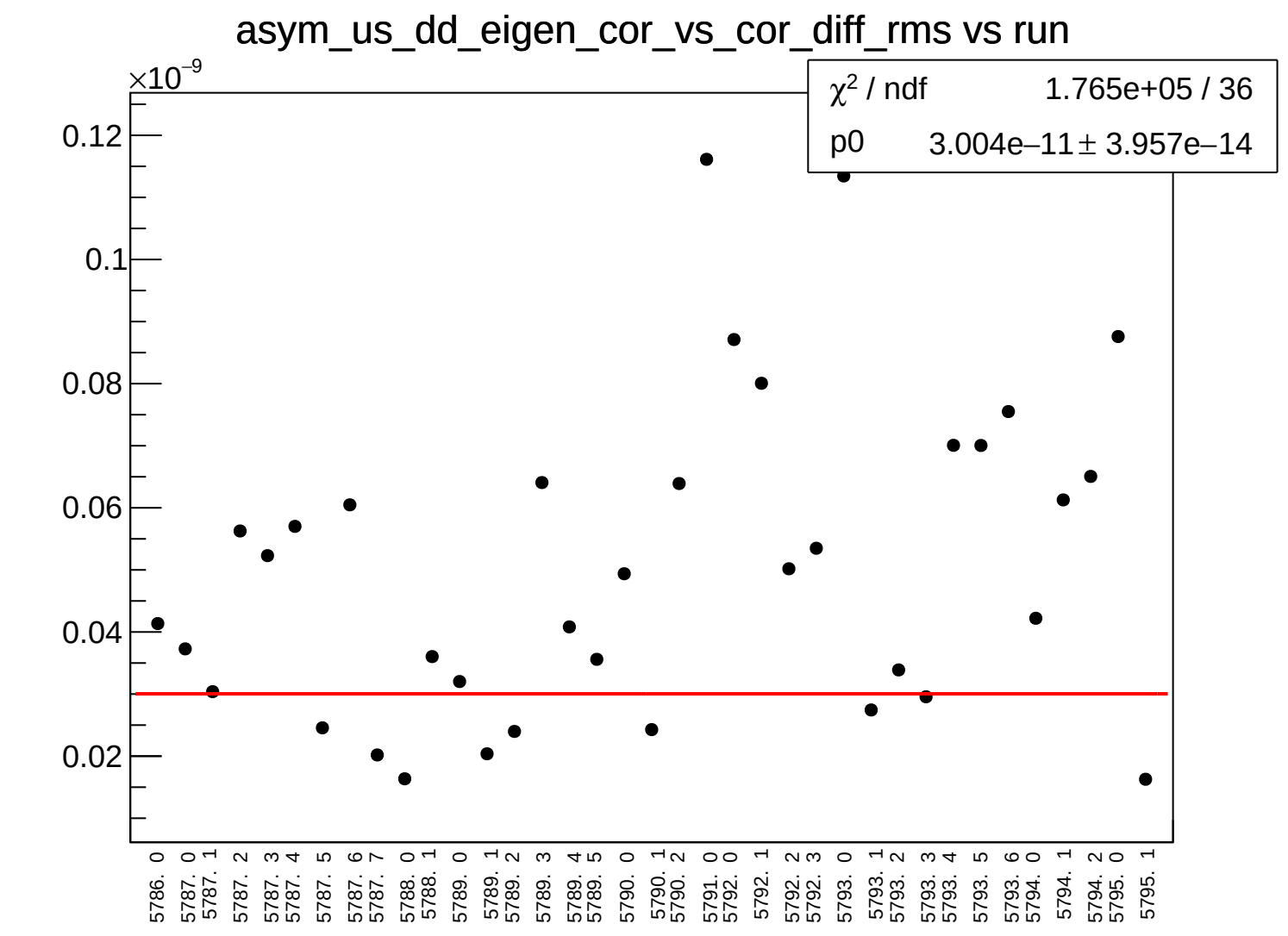

asym_us_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.628e+04 / 36
p0 19.25 ± 0.0234
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

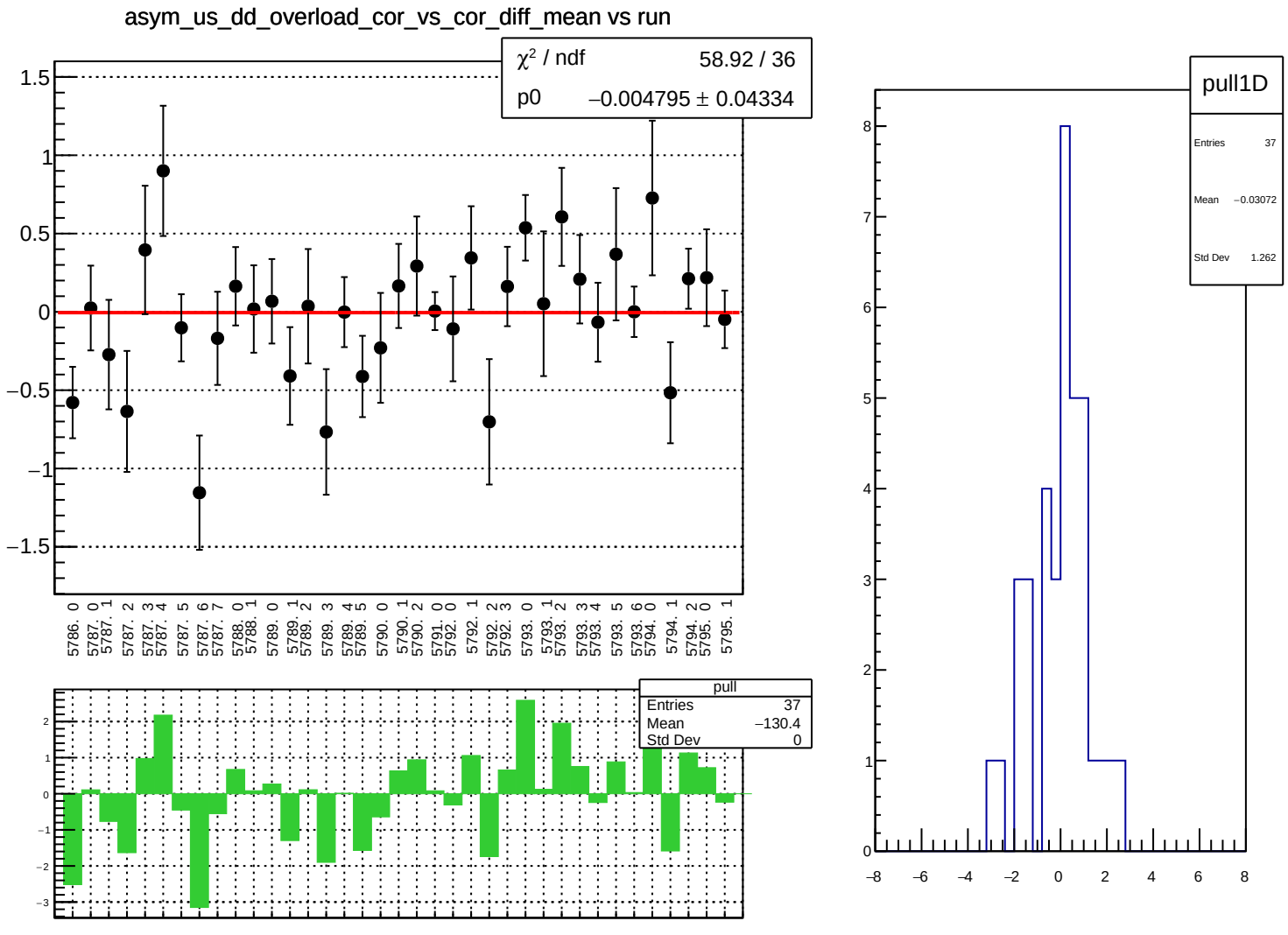

asym_us_dd_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 46.66 / 36
p0 −0.001676 ± 0.05948
pull
Entries 37
Mean 128.5
Std Dev 0
pull1D
Entries 37
Mean −0.01206
Std Dev 1.123

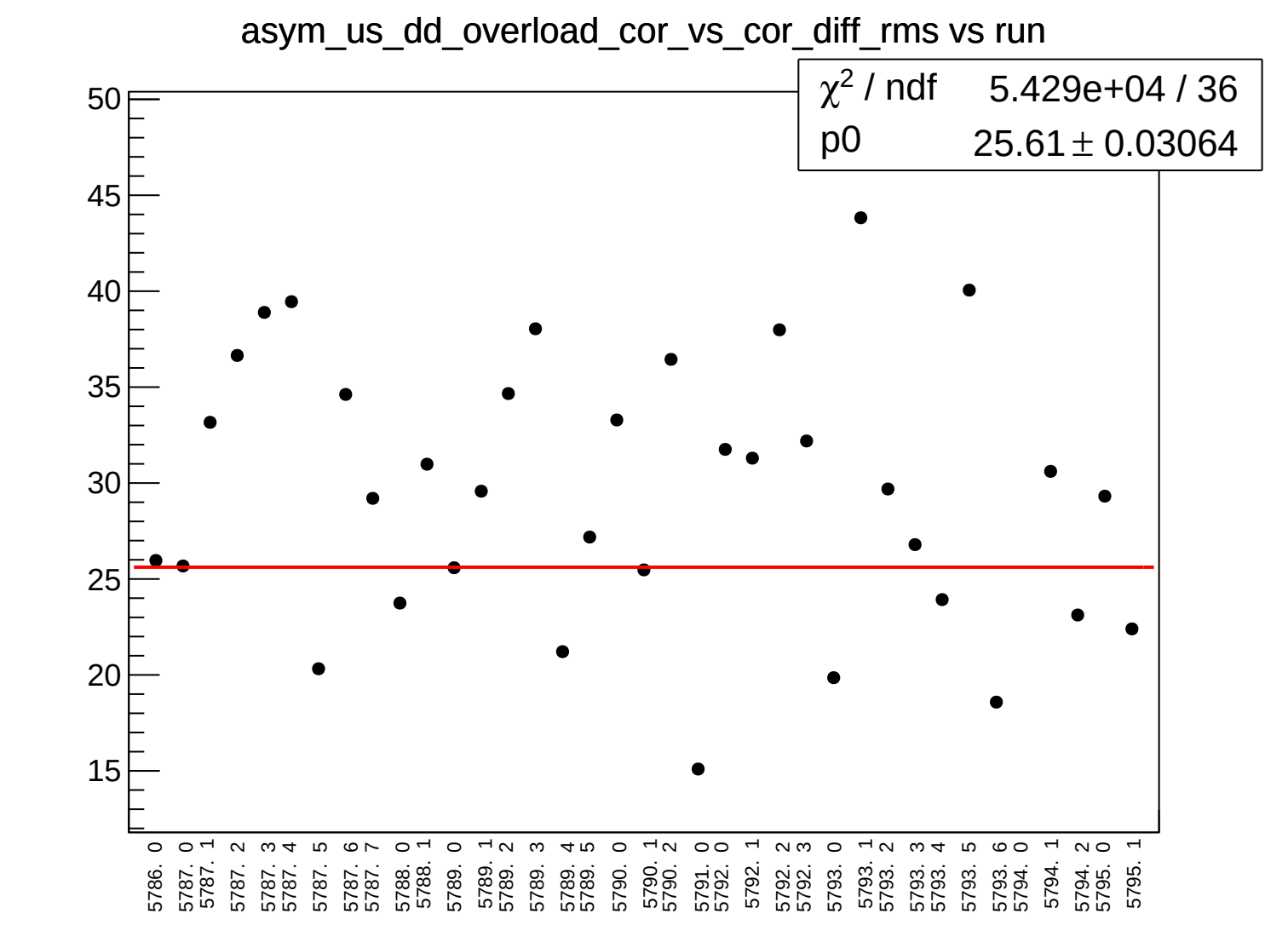

asym_us_dd_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 3.335e+04 / 36
p0 35.68 ± 0.04206
55
50
45
40
35
30
25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

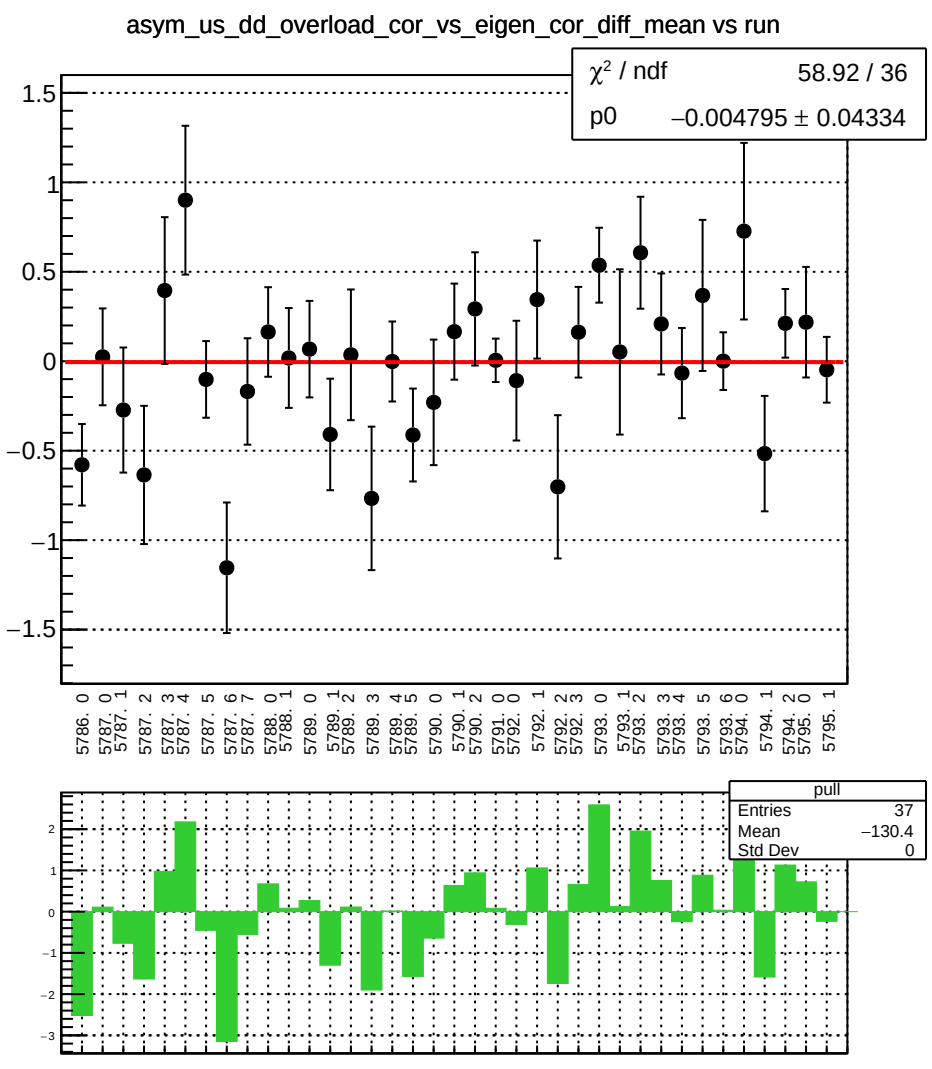

asym_us_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.8 / 36
p0 5.929e−14 ± 5.596e−14
pull
Entries 37
Mean 13.34
Std Dev 19.78

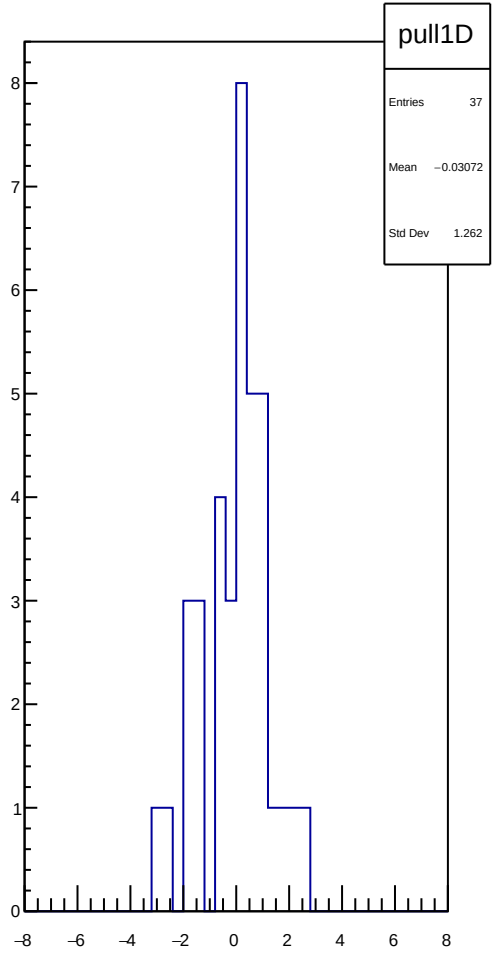

pull1D
Entries 37
Mean 0.1143
Std Dev 1.143

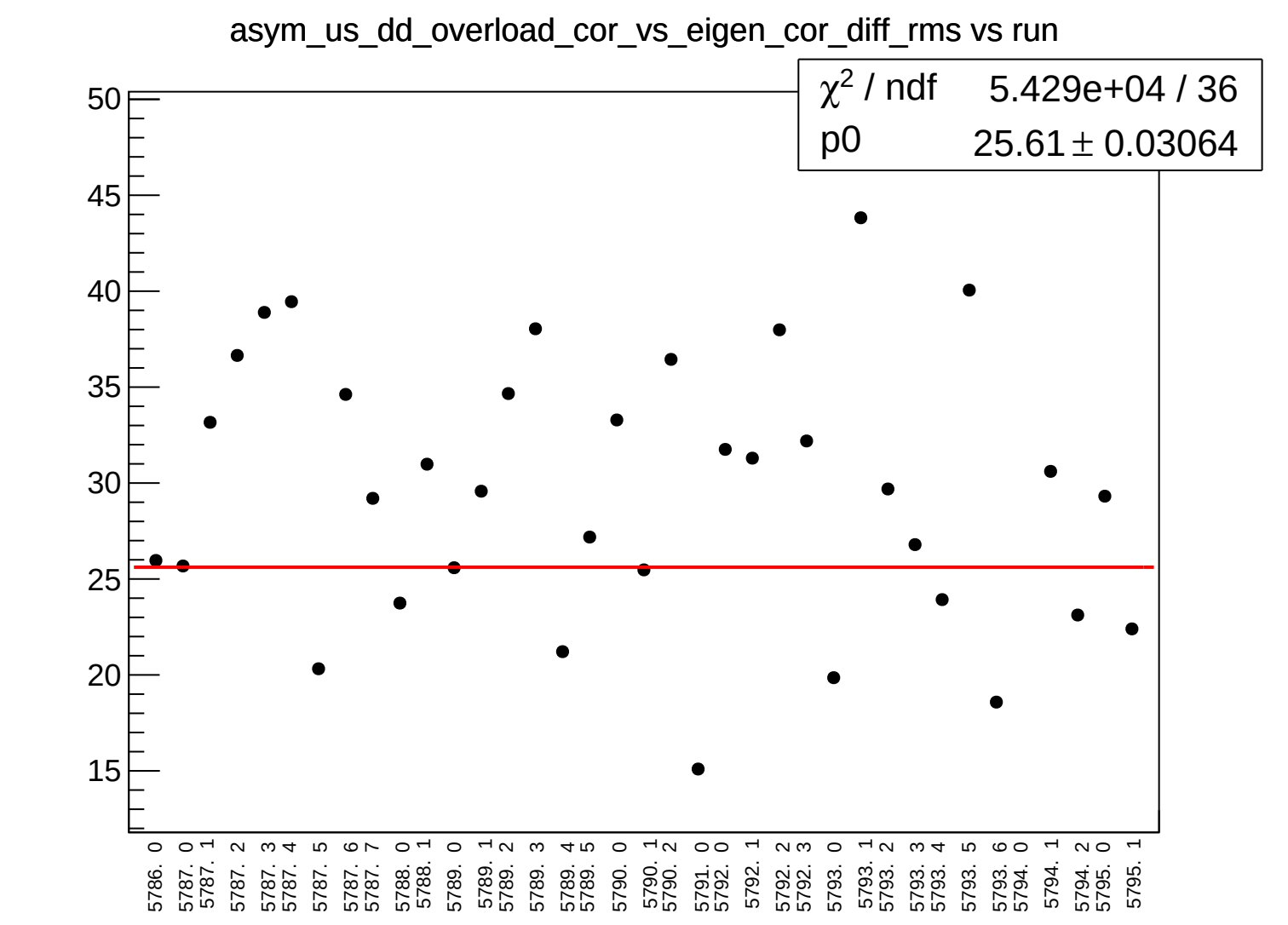

asym_us_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.765e+05 / 36
p0 3.004e−11 ± 3.957e−14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

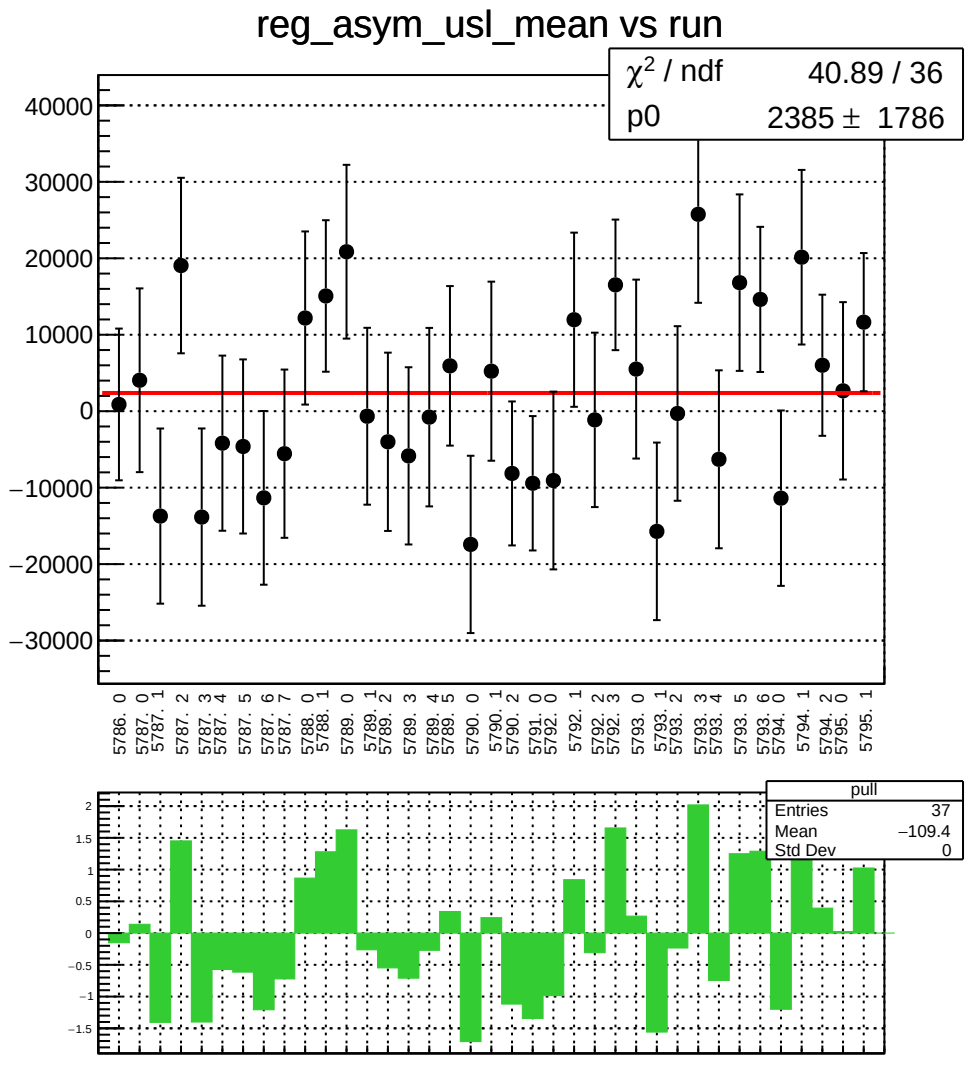

asym_us_dd_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 58.92 / 36
p0 −0.004795 ± 0.04334
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −130.4
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.03072
Std Dev 1.262
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

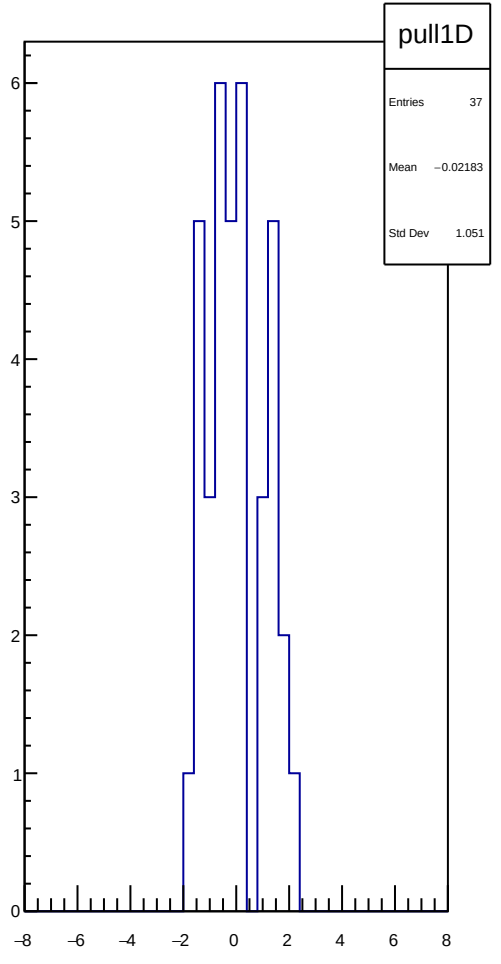

asym_us_dd_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.429e+04 / 36
p0 25.61 ± 0.03064
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

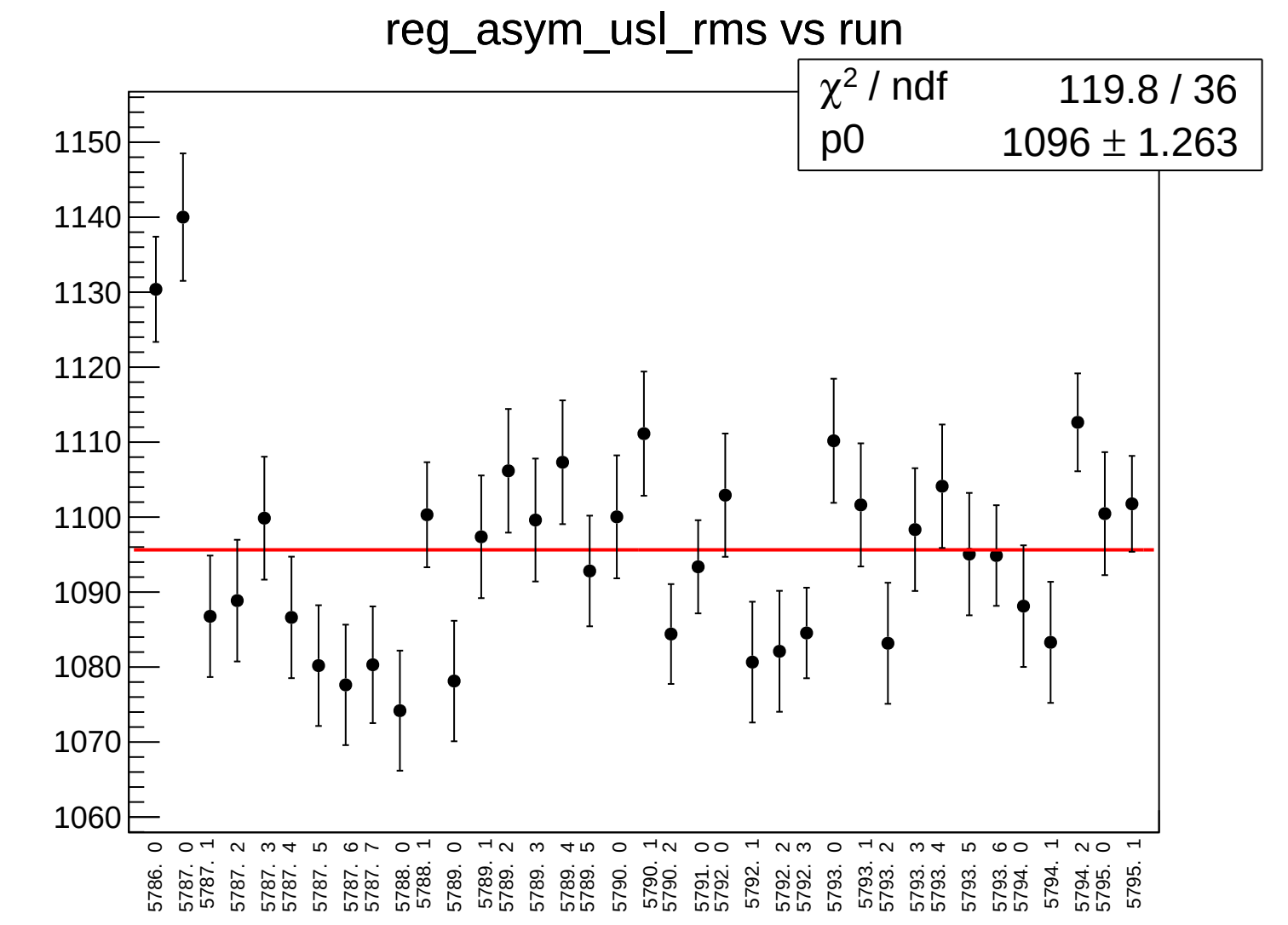

asym_us_dd_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 58.92 / 36
p0 −0.004795 ± 0.04334
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −130.4
Std Dev 0
2
1
0
−1
−2
−3

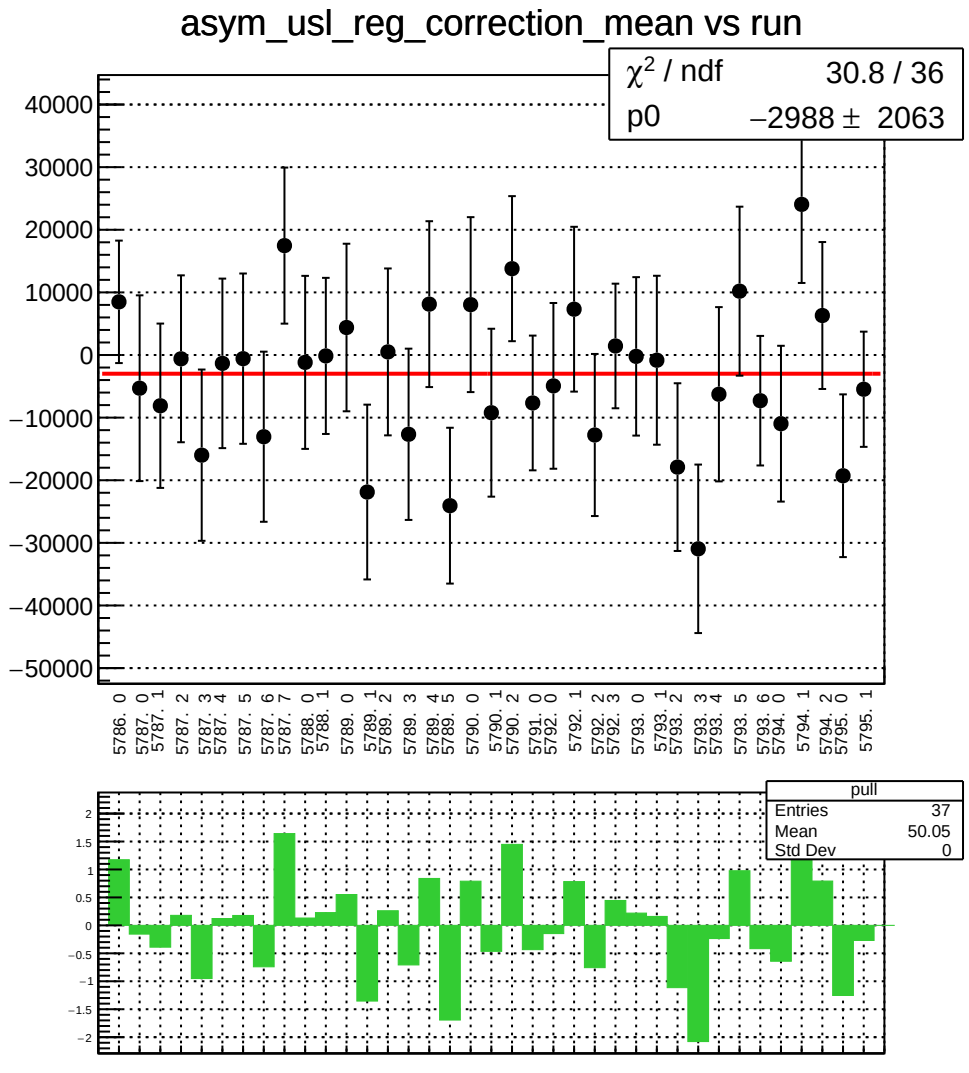

pull1D
Entries 37
Mean −0.03072
Std Dev 1.262
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

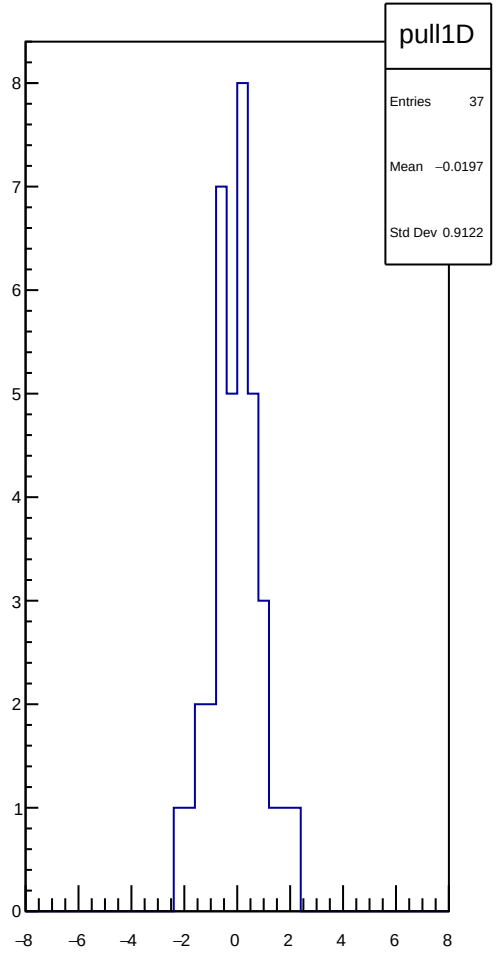

asym_us_dd_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.429e+04 / 36
p0 25.61 ± 0.03064
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

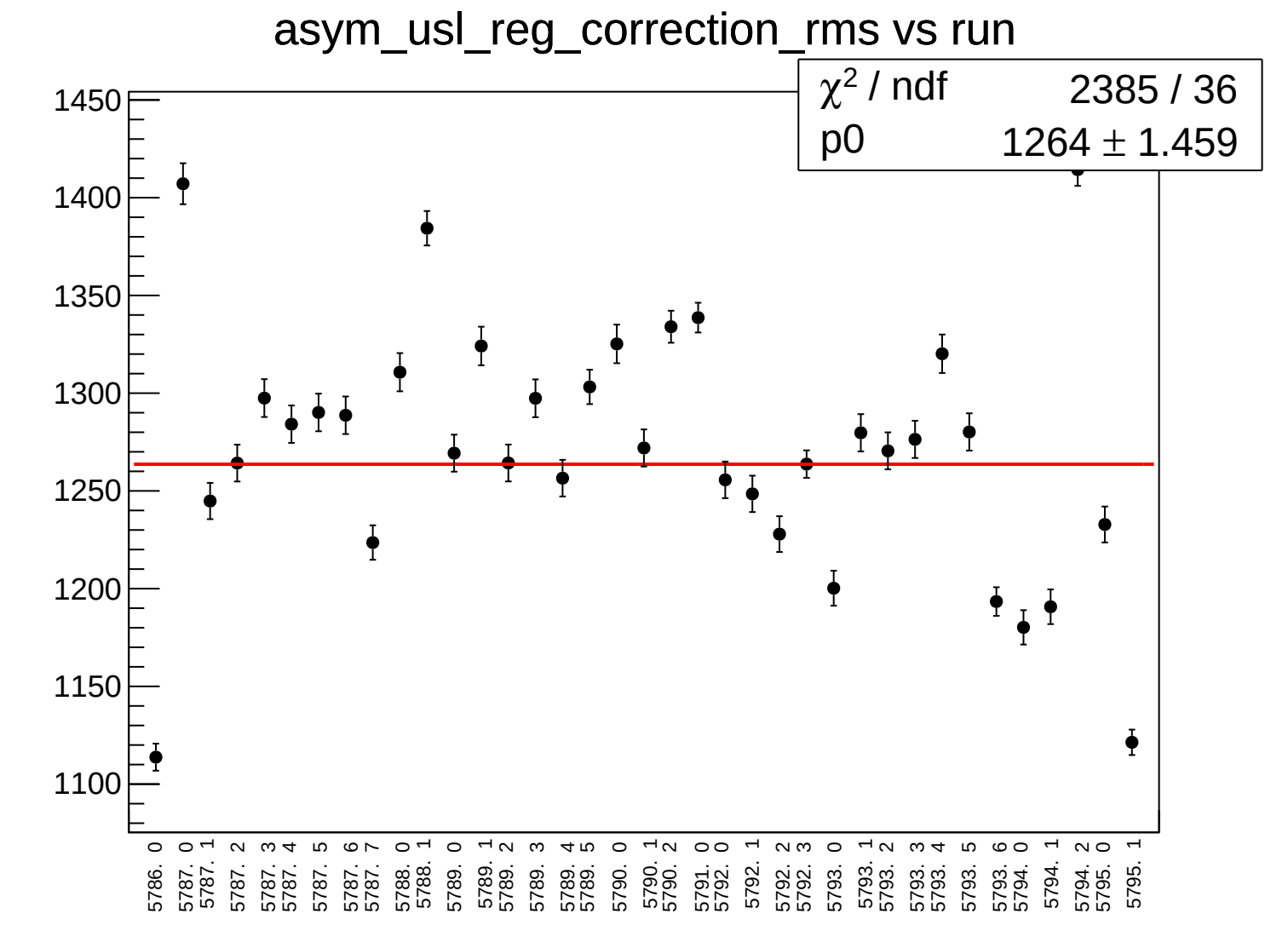

reg_asym_usl_mean vs run
χ² / ndf 40.89 / 36
p0 2385 ± 1786
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

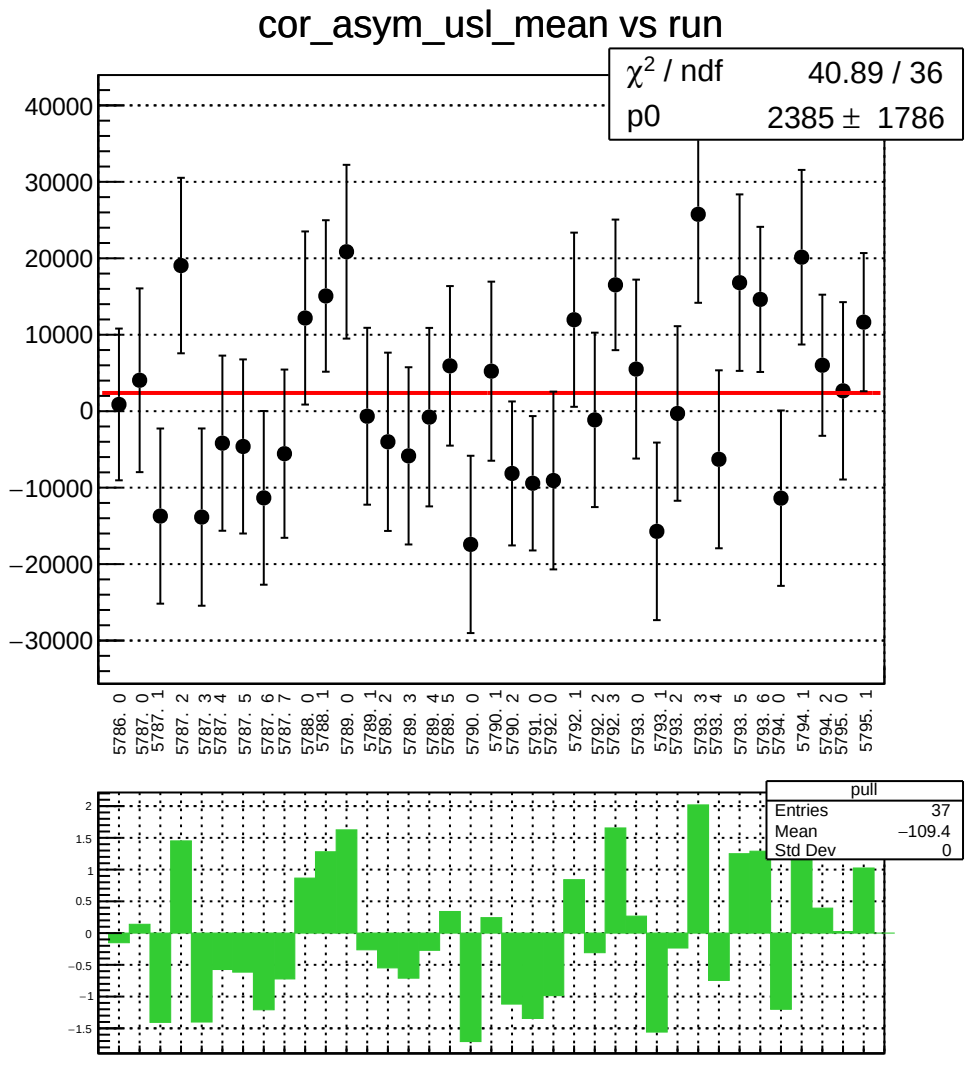

pull1D
Entries 37
Mean −0.02183
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

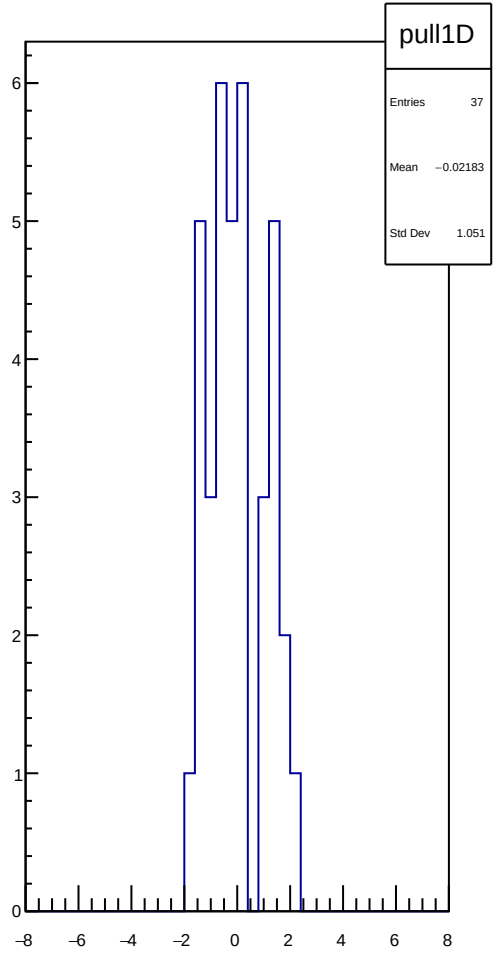

reg_asym_usl_rms vs run
χ² / ndf 119.8 / 36
p0 1096 ± 1.263
1150
1140
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

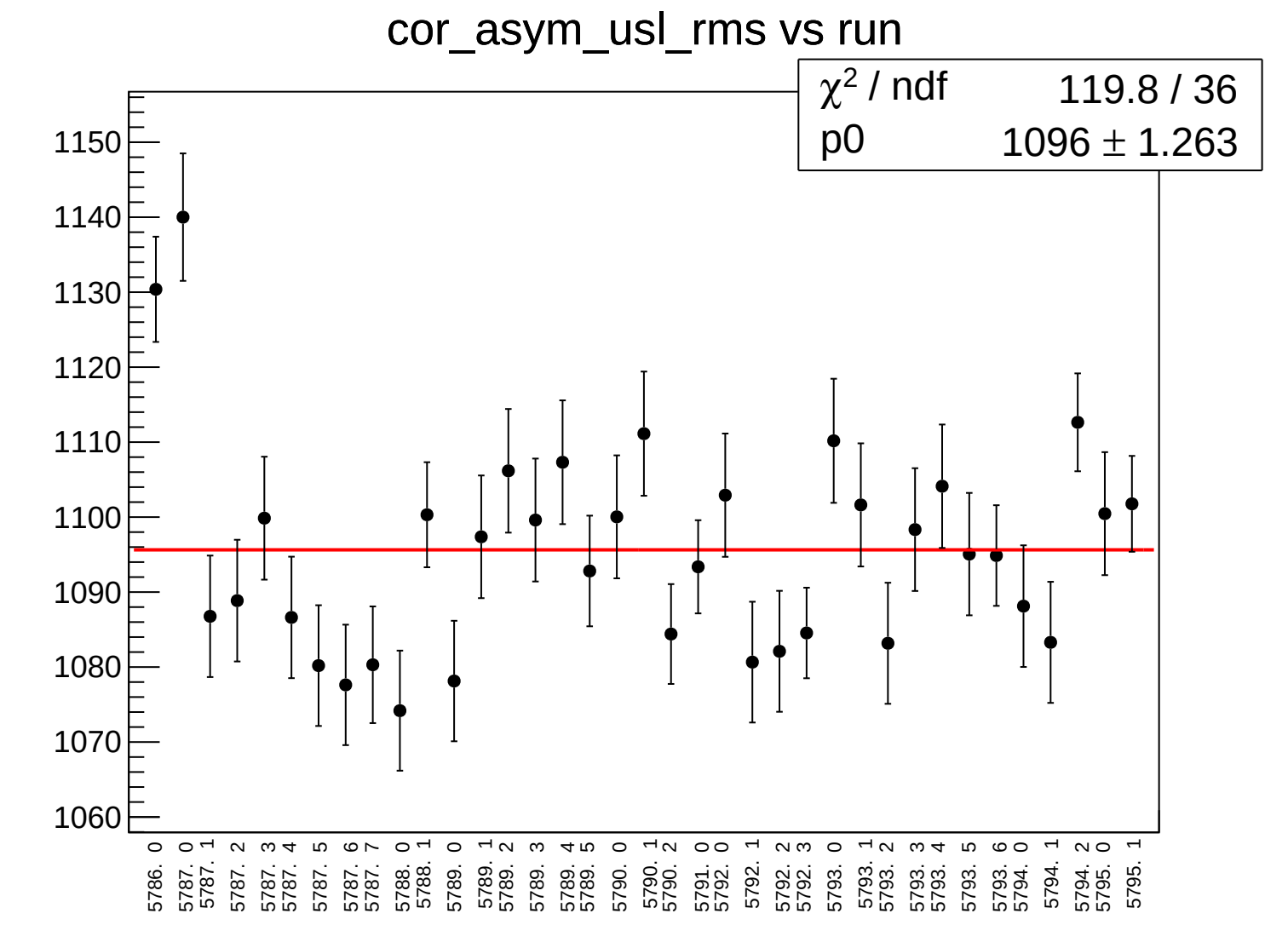

asym_usl_reg_correction_mean vs run
χ² / ndf 30.8 / 36
p0 −2988 ± 2063
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

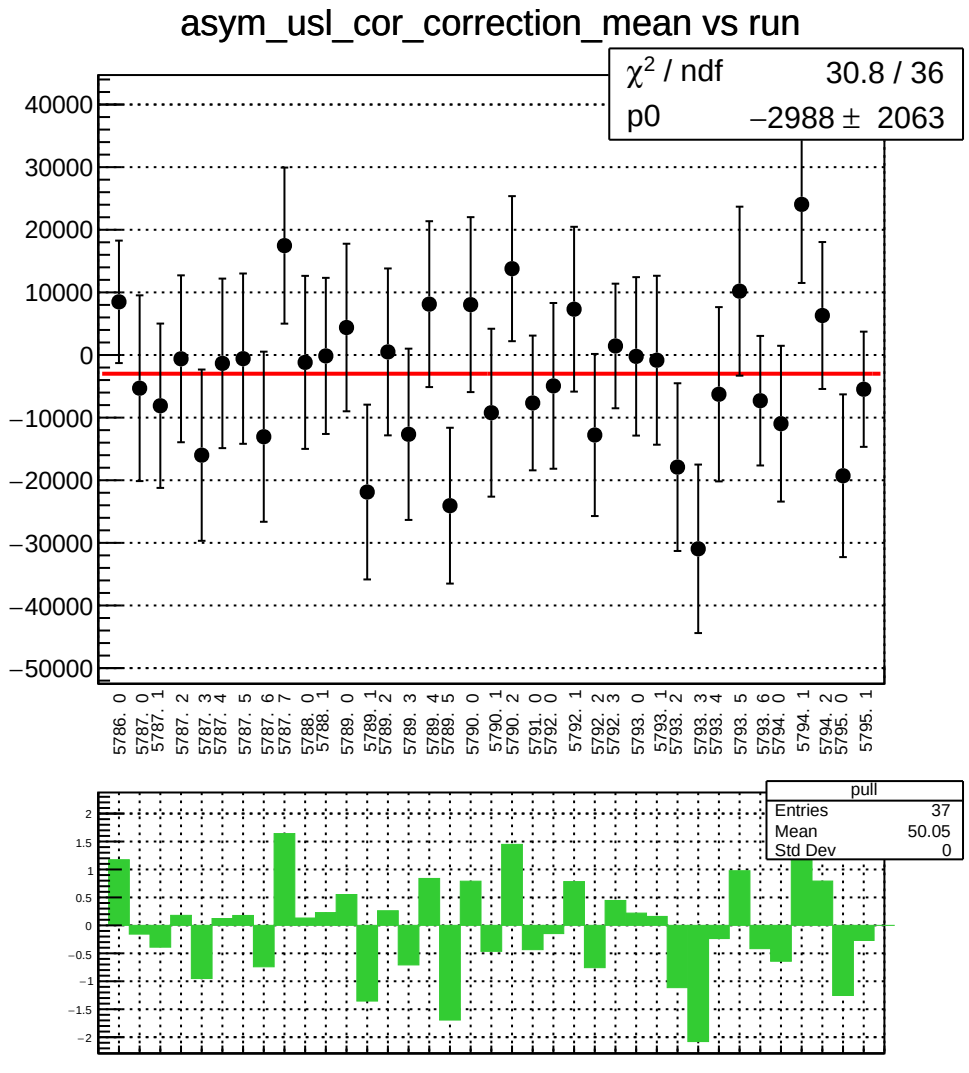

pull1D
Entries 37
Mean −0.0197
Std Dev 0.9122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

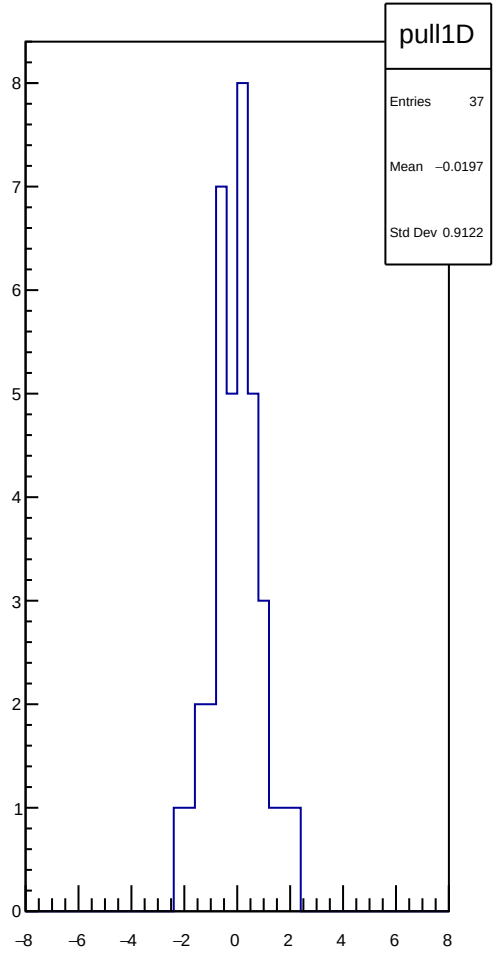

asym_usl_reg_correction_rms vs run
χ² / ndf 2385 / 36
p0 1264 ± 1.459
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

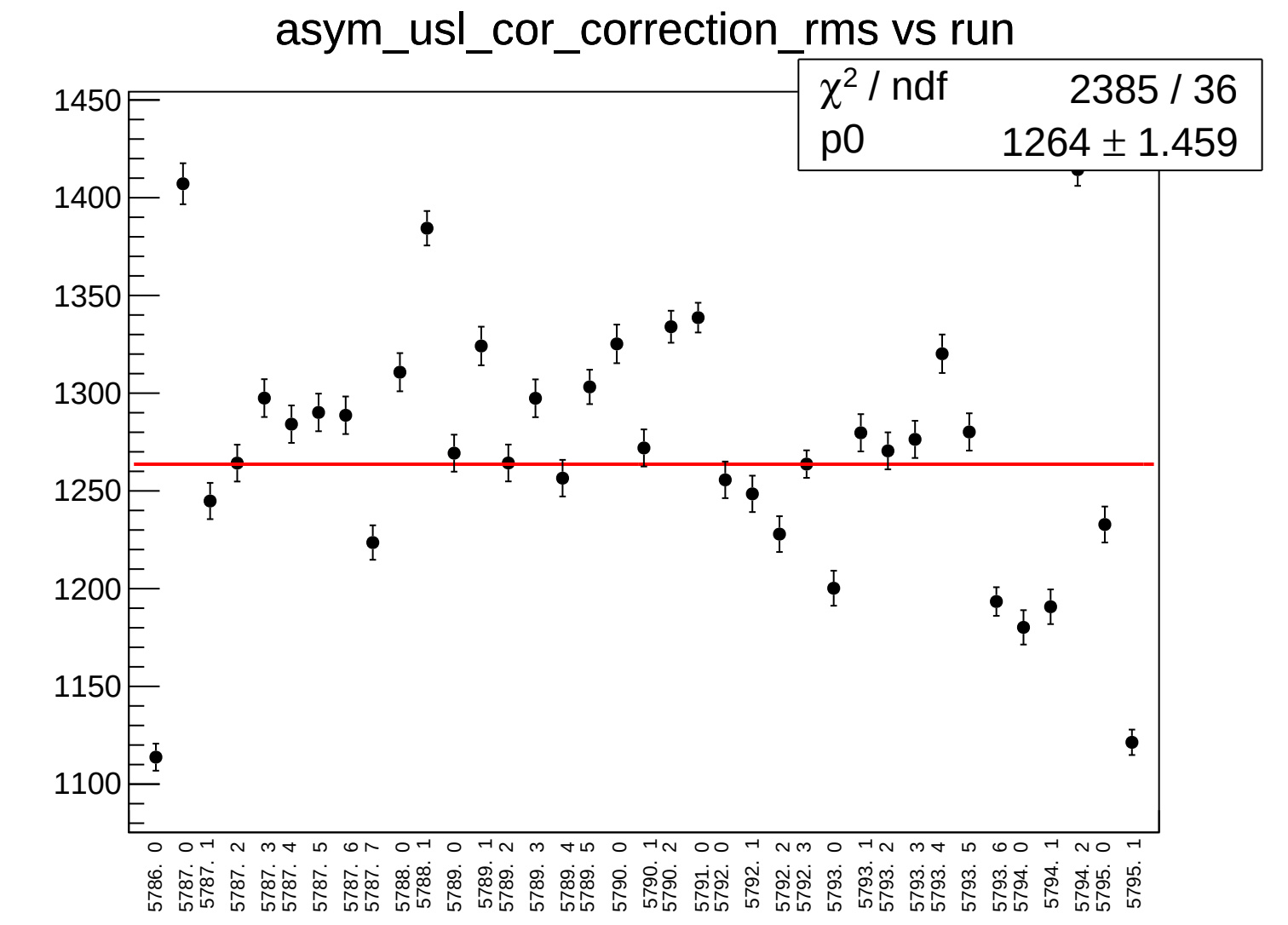

cor_asym_usl_mean vs run
χ² / ndf 40.89 / 36
p0 2385 ± 1786
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

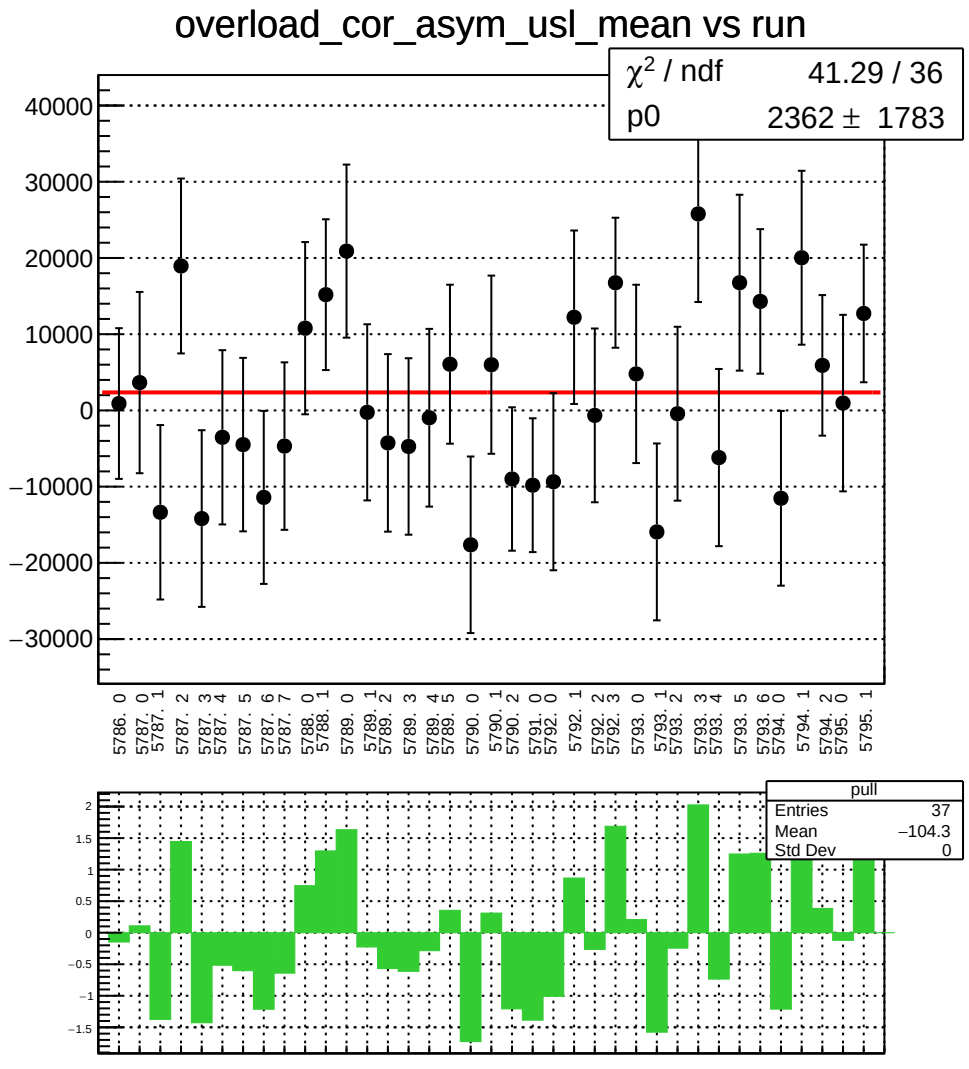

pull1D
Entries 37
Mean −0.02183
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

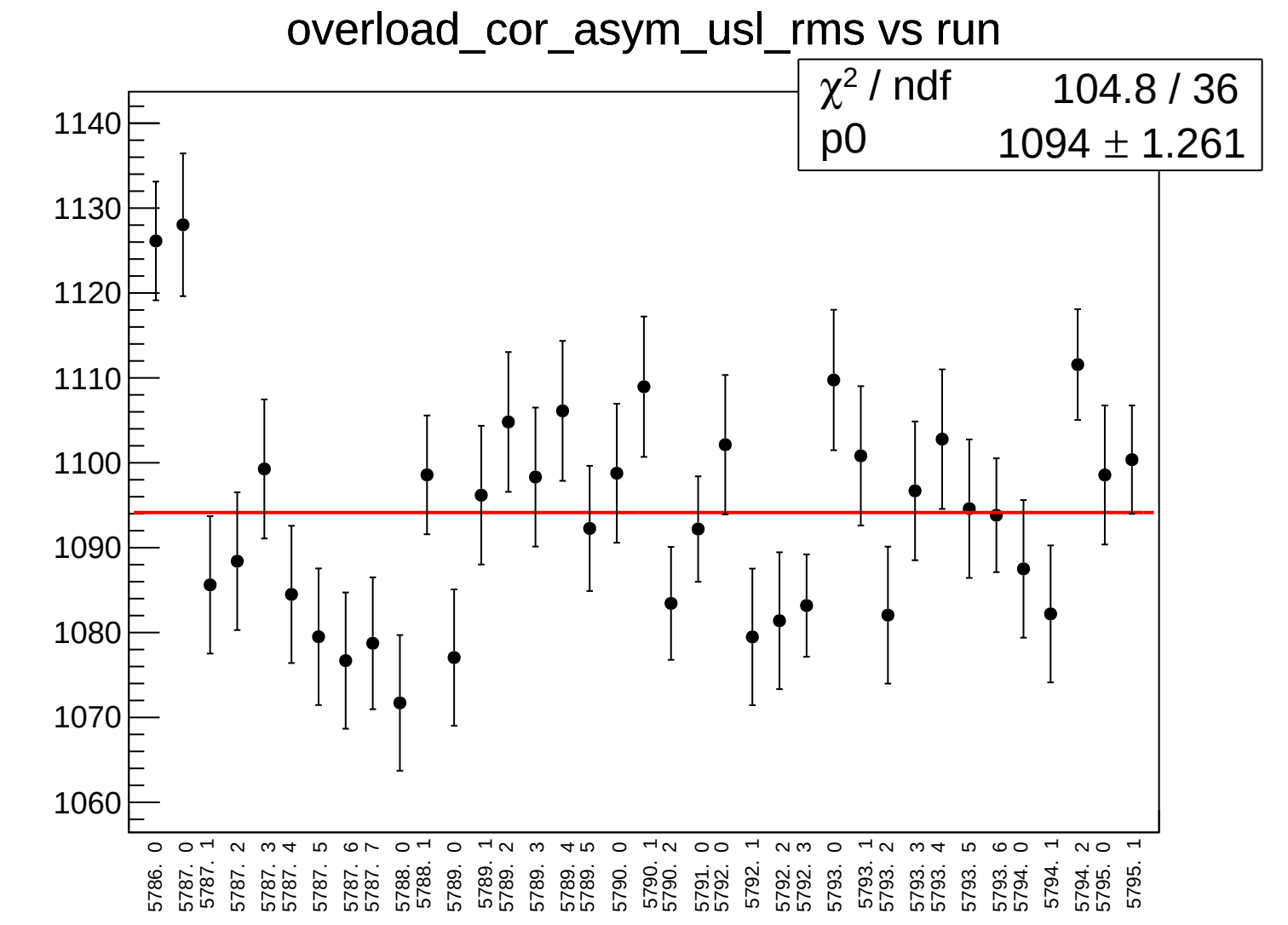

cor_asym_usl_rms vs run
χ² / ndf 119.8 / 36
p0 1096 ± 1.263
1150
1140
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

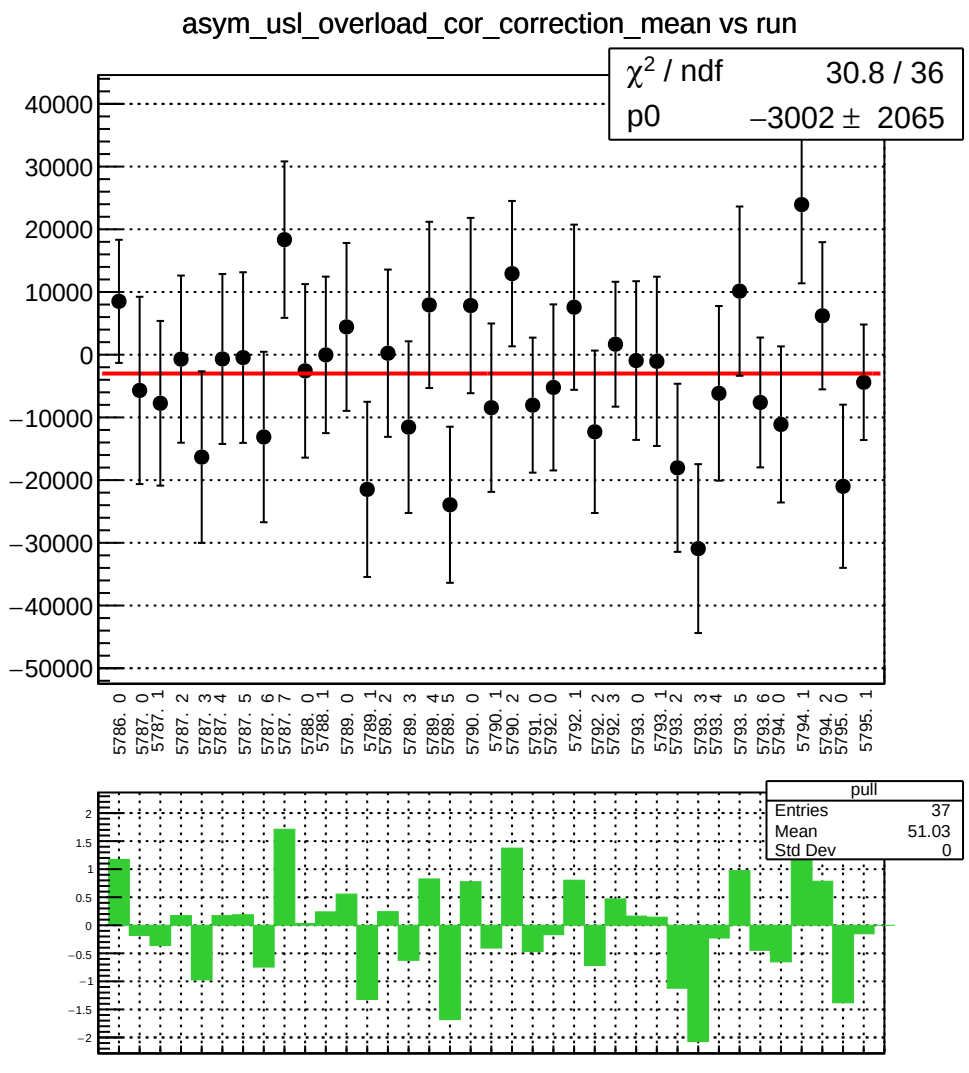

asym_usl_cor_correction_mean vs run
χ² / ndf 30.8 / 36
p0 −2988 ± 2063
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

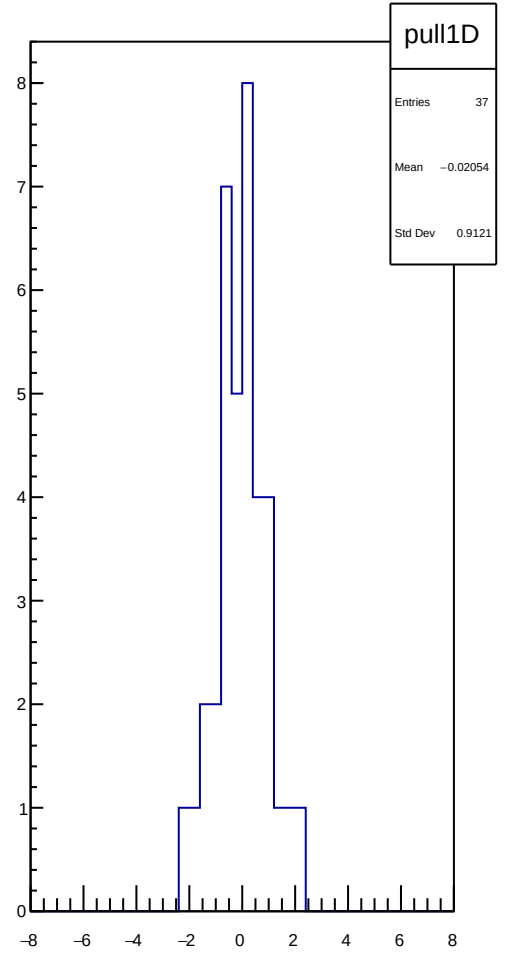

pull1D
Entries 37
Mean −0.0197
Std Dev 0.9122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

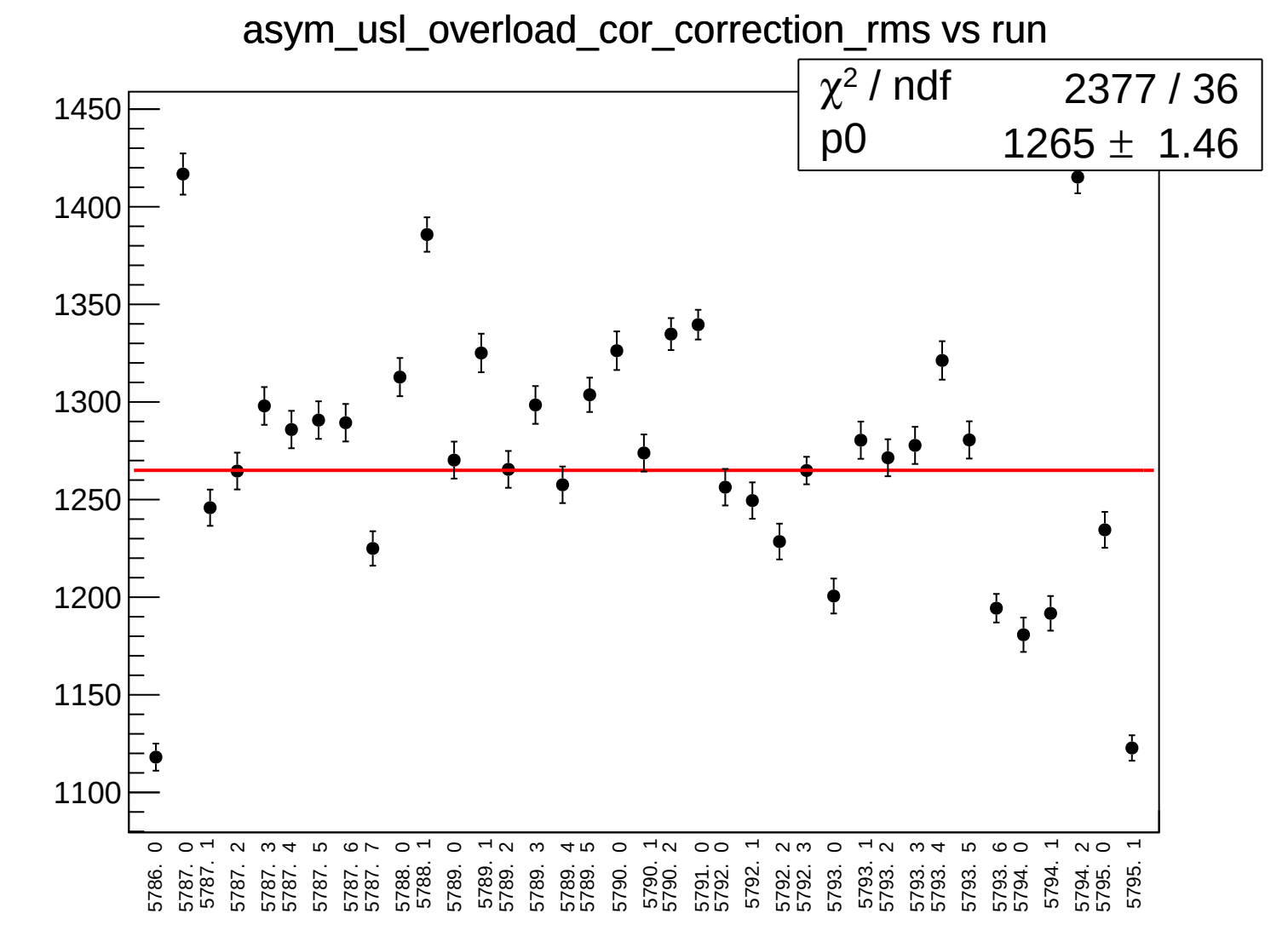

asym_usl_cor_correction_rms vs run
χ² / ndf 2385 / 36
p0 1264 ± 1.459
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

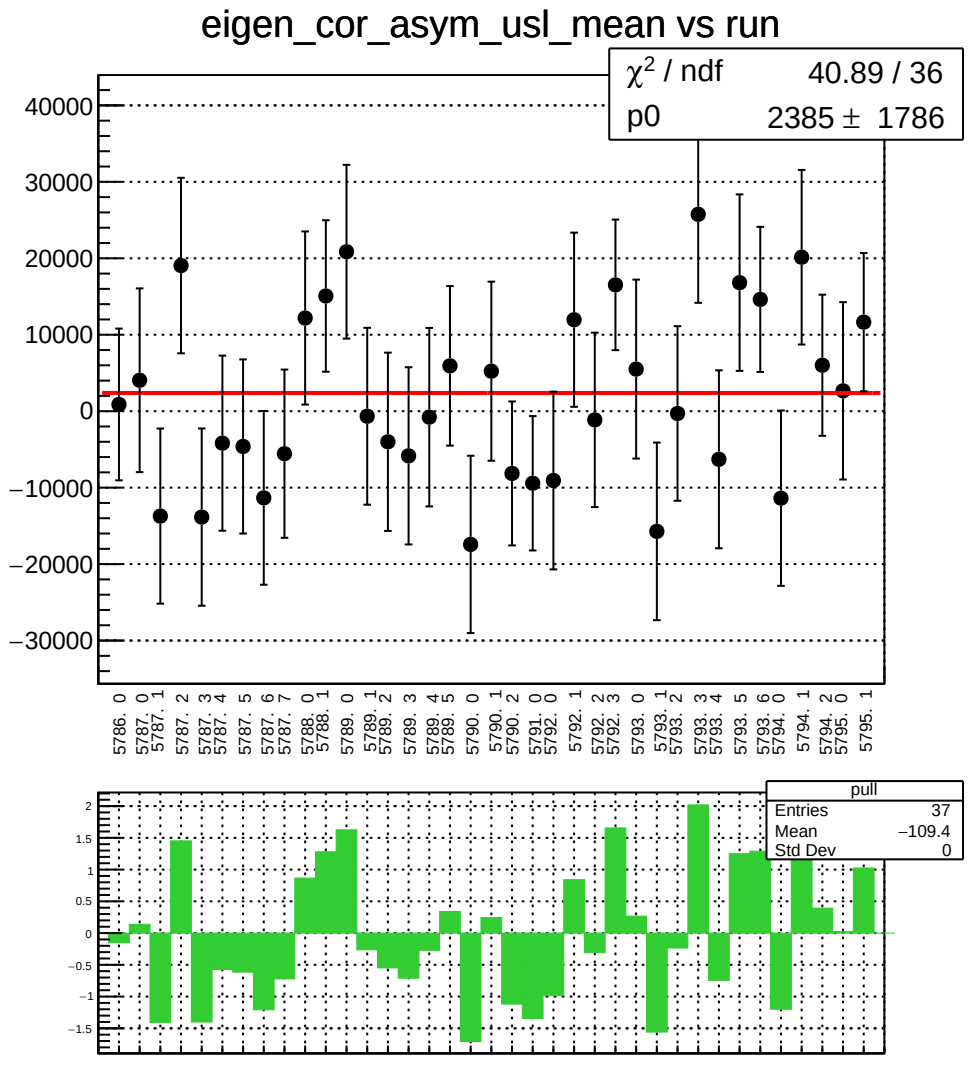

overload_cor_asym_usl_mean vs run
χ² / ndf 41.29 / 36
p0 2362 ± 1783
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.02228
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

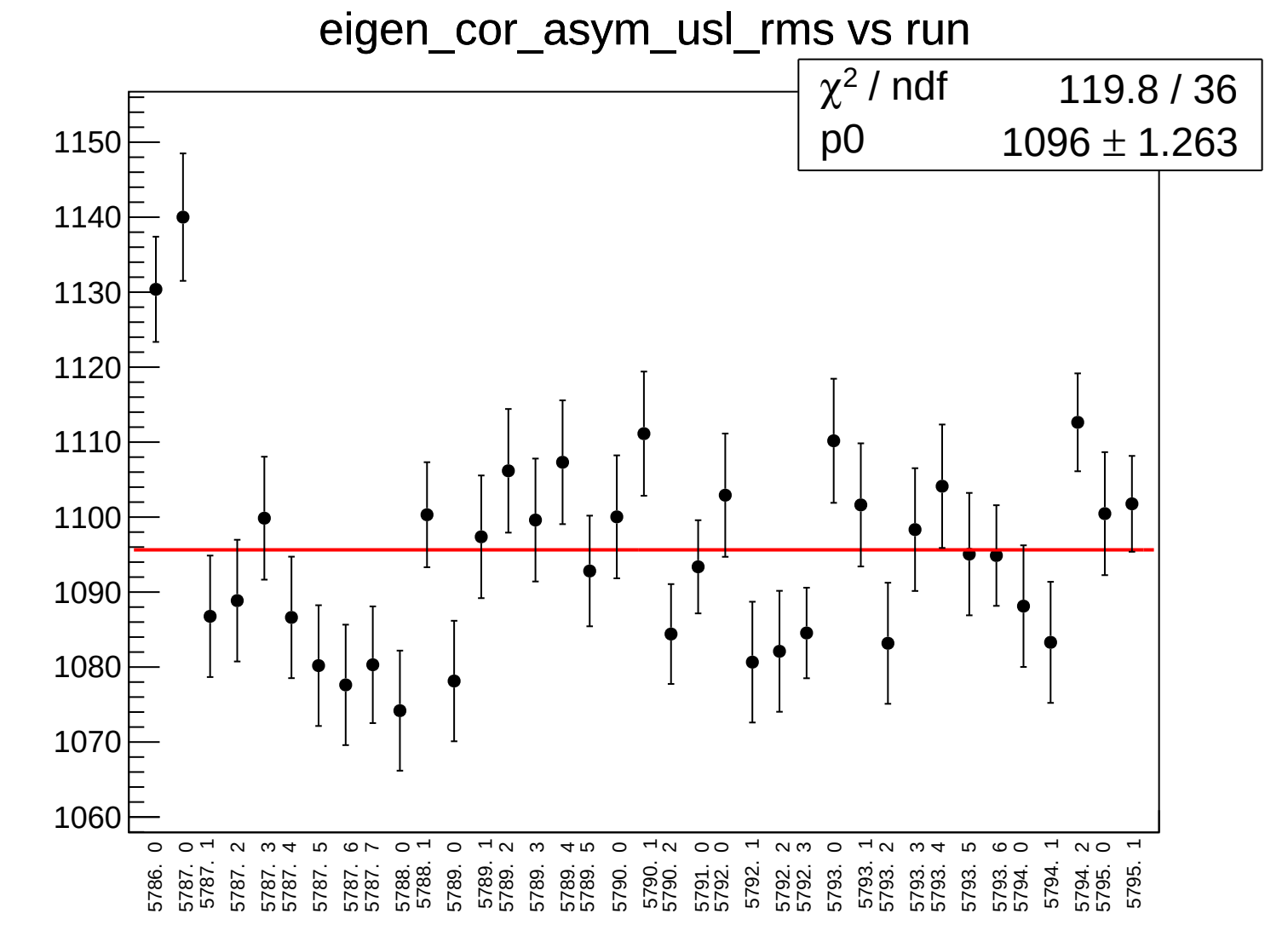

overload_cor_asym_usl_rms vs run
χ² / ndf 104.8 / 36
p0 1094 ± 1.261
1140
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

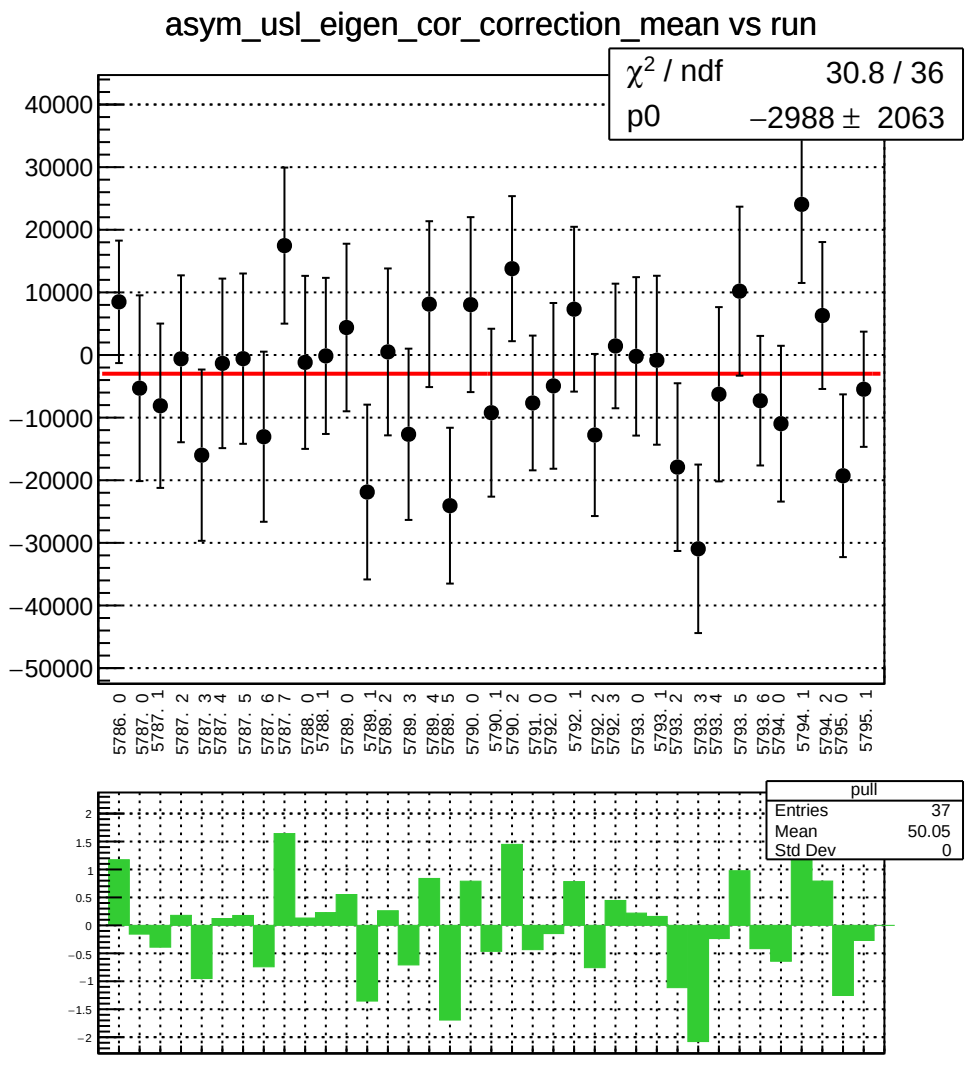

asym_usl_overload_cor_correction_mean vs run
χ² / ndf 30.8 / 36
p0 −3002 ± 2065
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 51.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

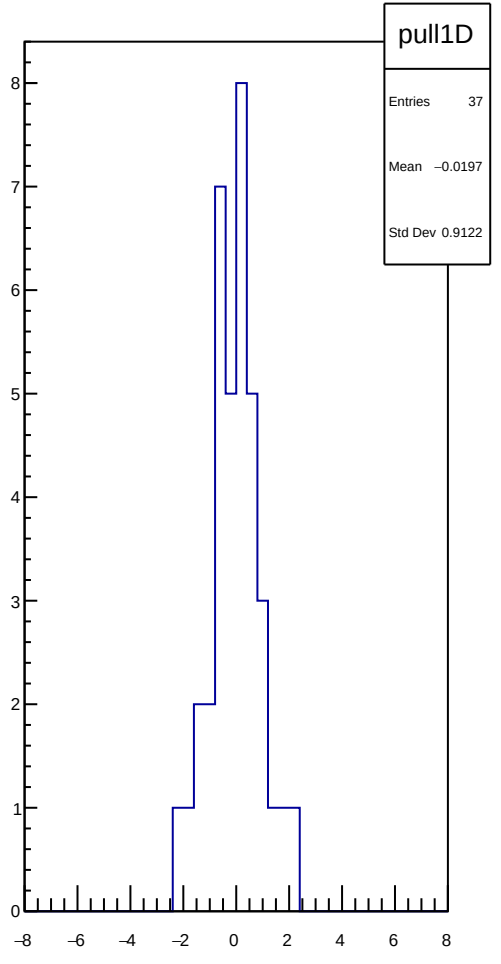

pull1D
Entries 37
Mean −0.02054
Std Dev 0.9121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

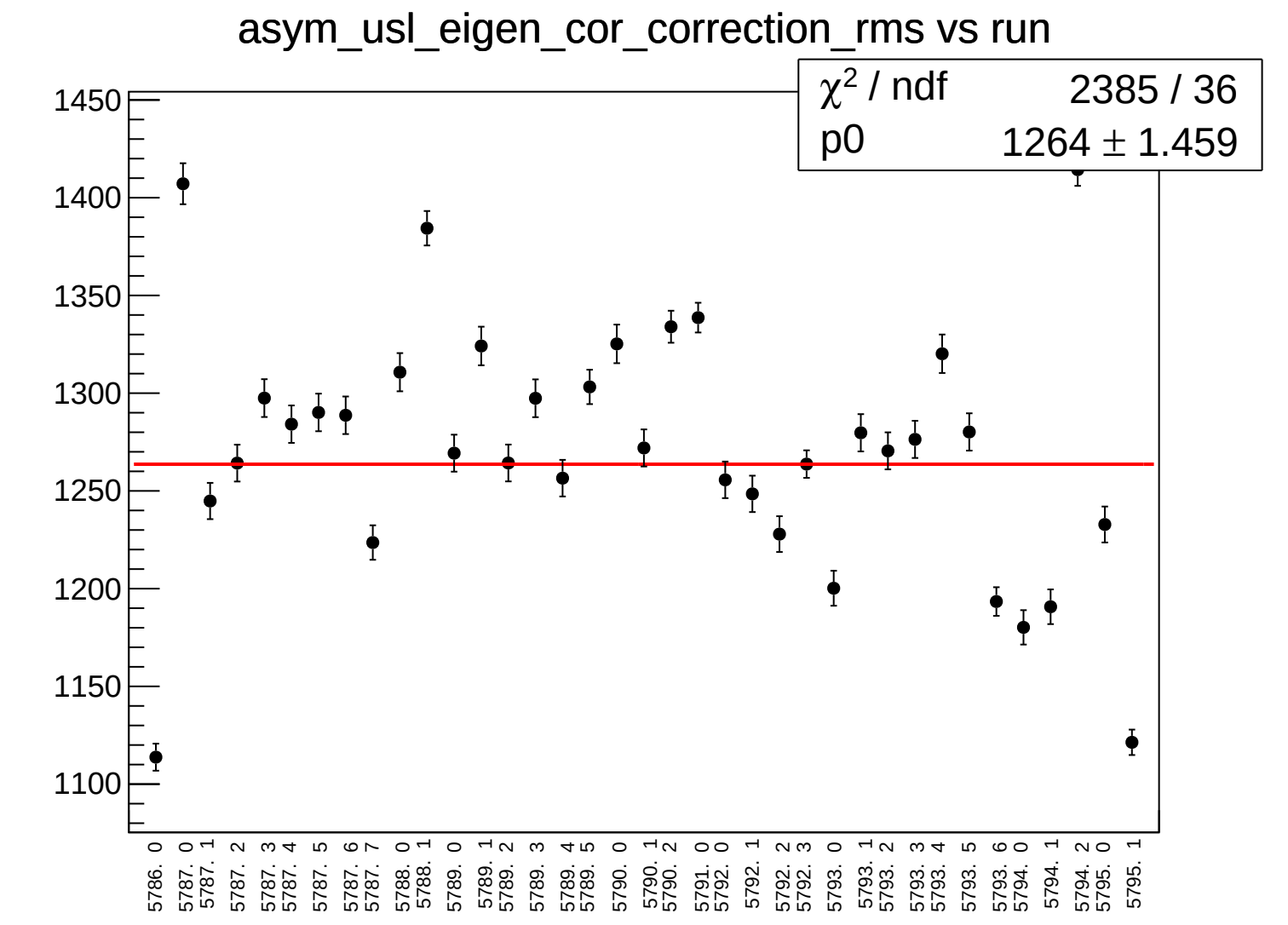

asym_usl_overload_cor_correction_rms vs run
χ² / ndf 2377 / 36
p0 1265 ± 1.46
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

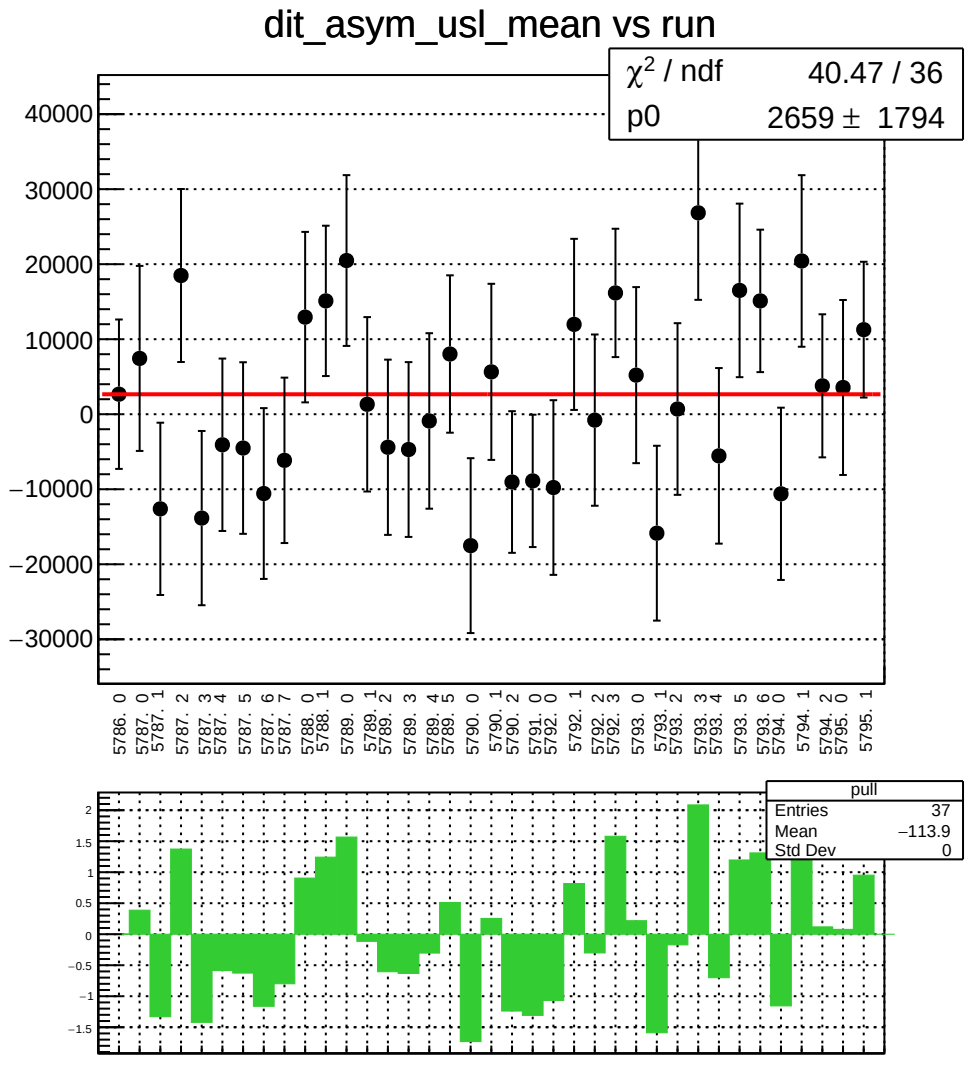

eigen_cor_asym_usl_mean vs run
χ² / ndf 40.89 / 36
p0 2385 ± 1786
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.02183
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

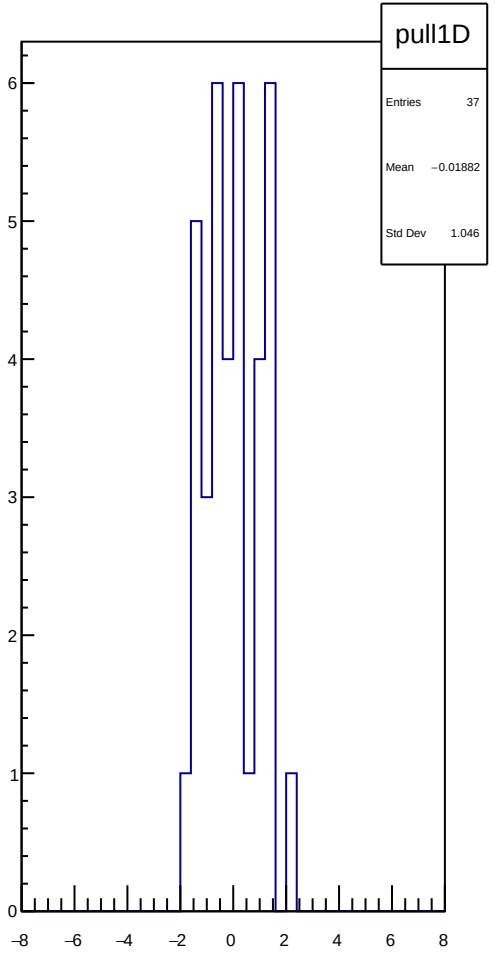

eigen_cor_asym_usl_rms vs run
χ^2 / ndf 119.8 / 36
p0 1096 ± 1.263
1150
1140
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

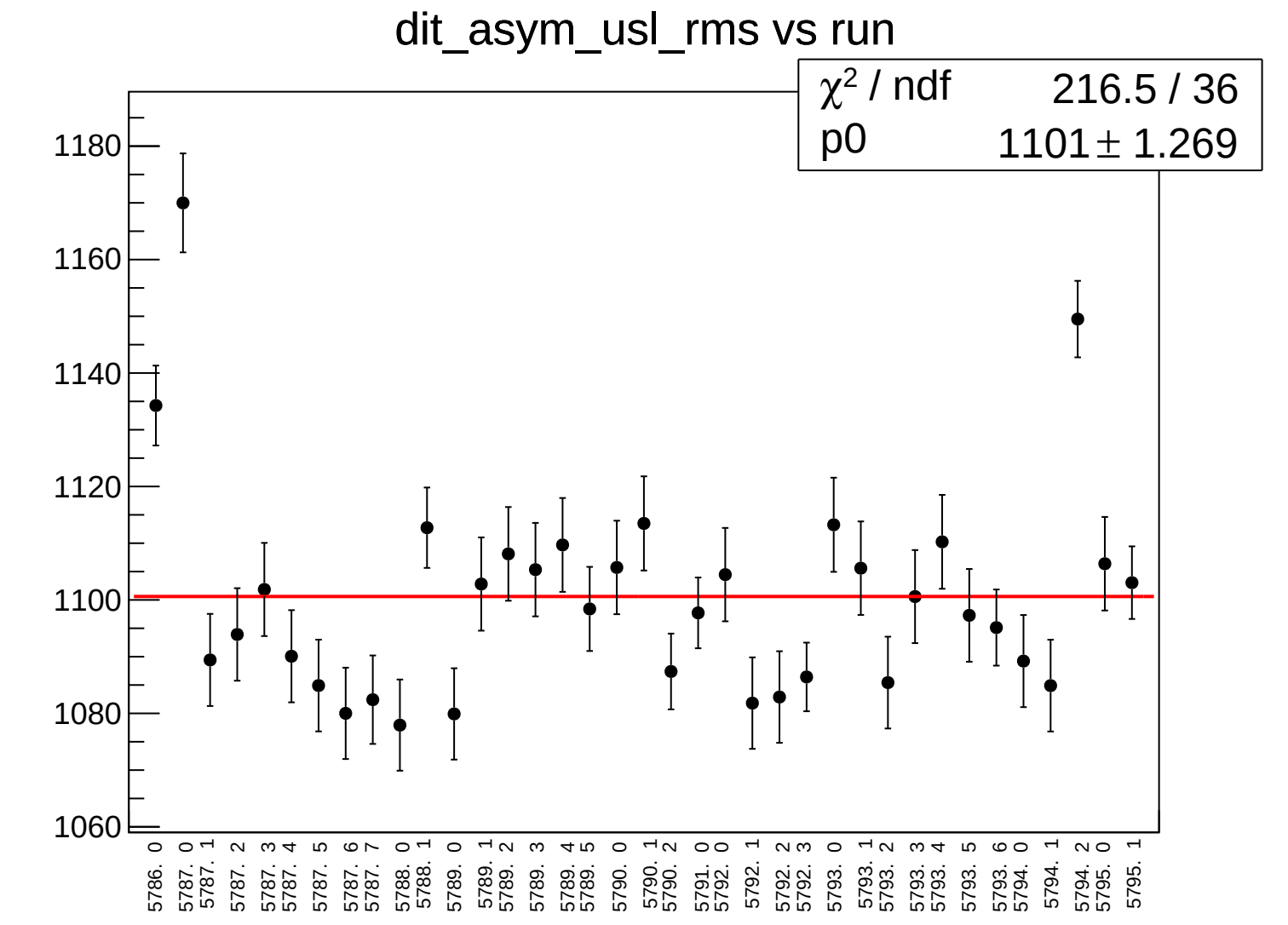

asym_usl_eigen_cor_correction_mean vs run
χ² / ndf 30.8 / 36
p0 −2988 ± 2063
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

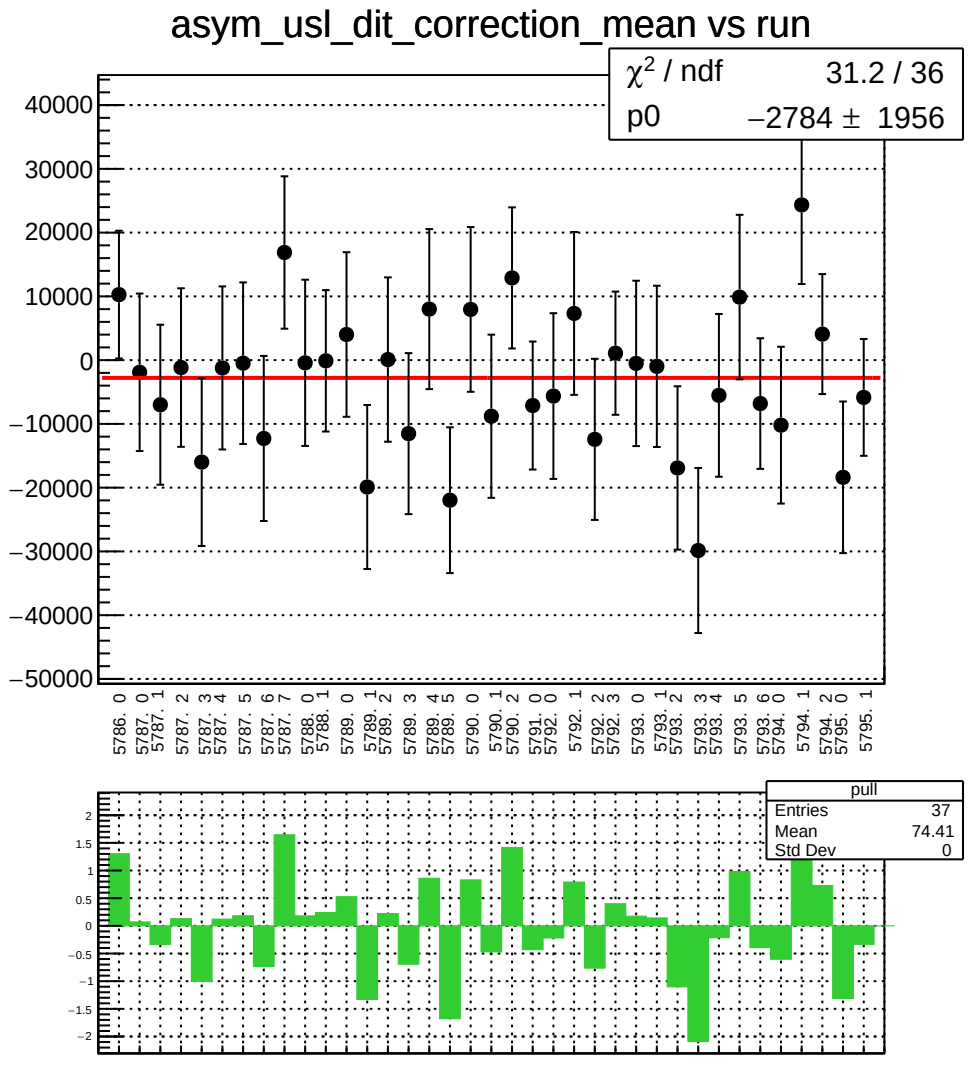

pull1D
Entries 37
Mean −0.0197
Std Dev 0.9122
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

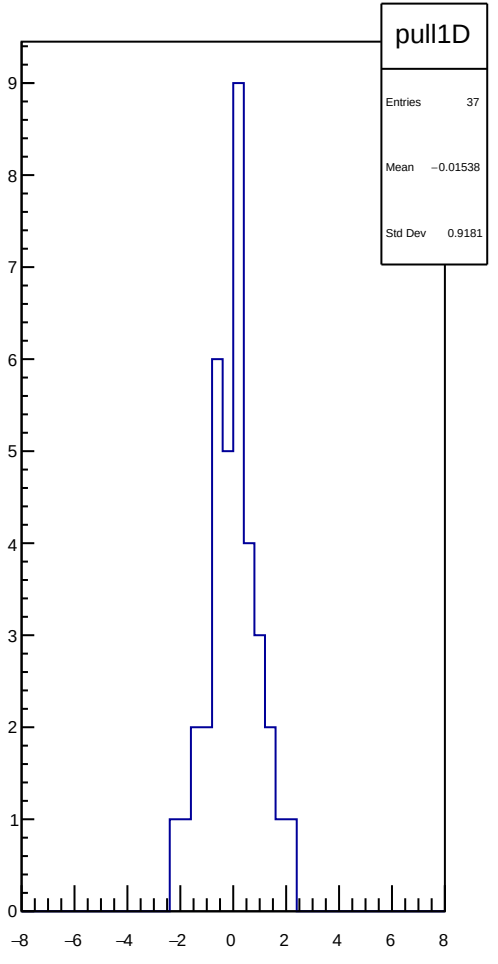

asym_usl_eigen_cor_correction_rms vs run
χ² / ndf 2385 / 36
p0 1264 ± 1.459
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

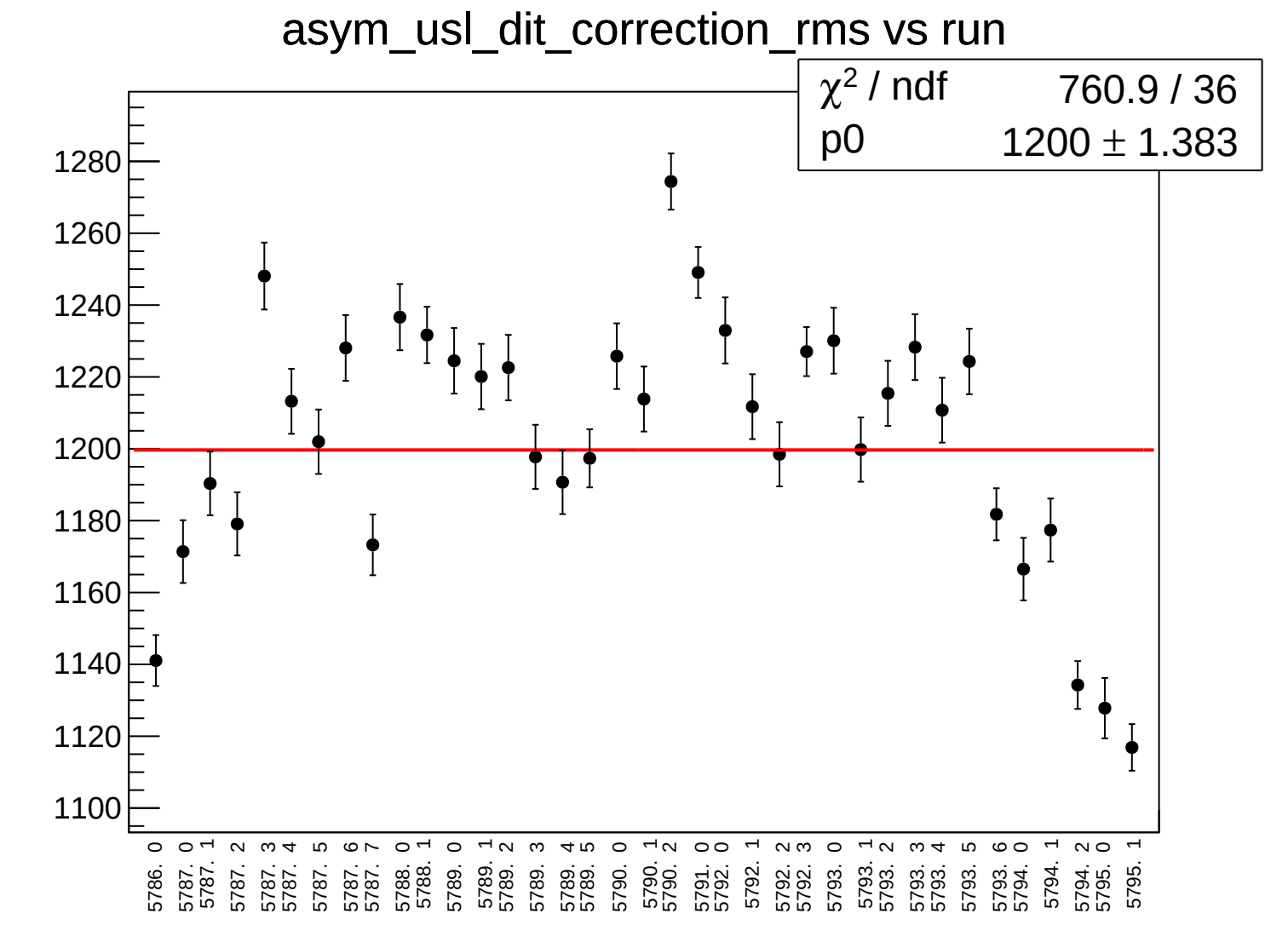

dit_asym_usl_mean vs run
χ² / ndf 40.47 / 36
p0 2659 ± 1794
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −113.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

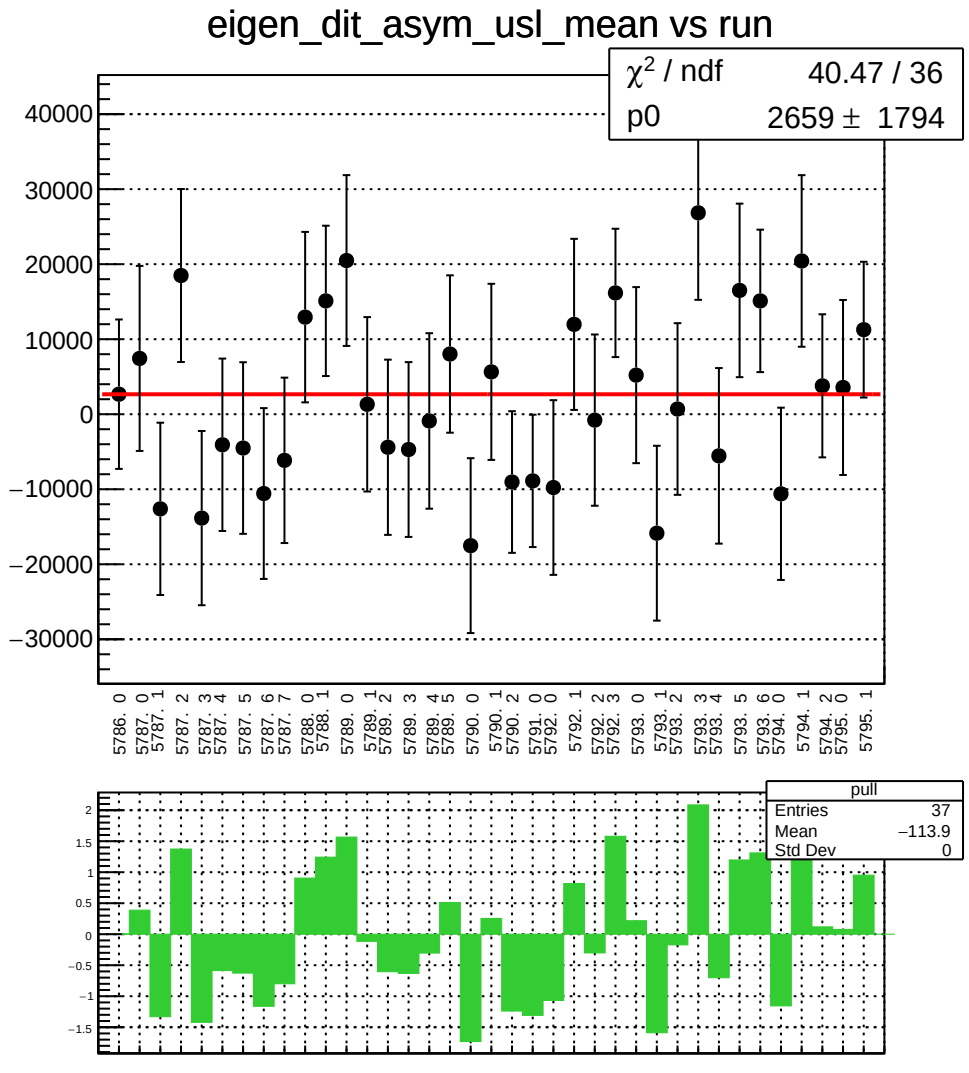

pull1D
Entries 37
Mean −0.01882
Std Dev 1.046
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

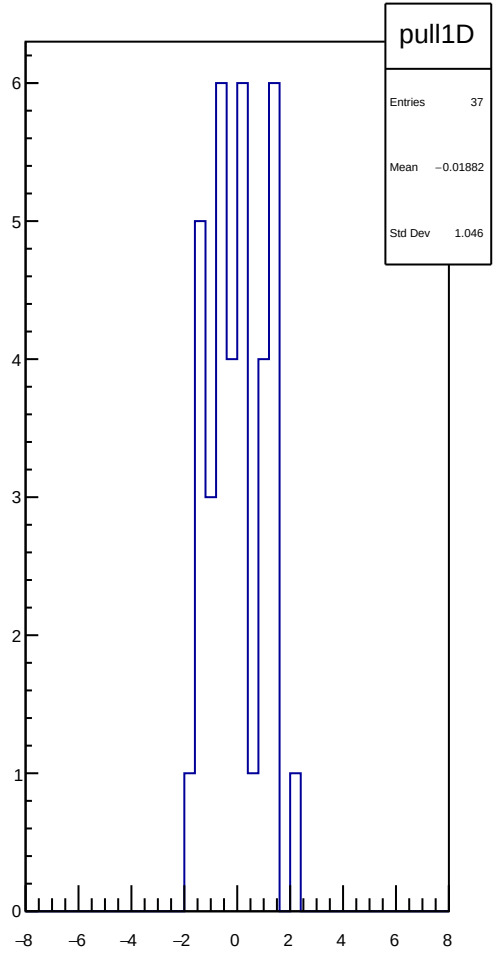

dit_asym_usl_rms vs run
χ² / ndf 216.5 / 36
p0 1101 ± 1.269
1180
1160
1140
1120
1100
1080
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

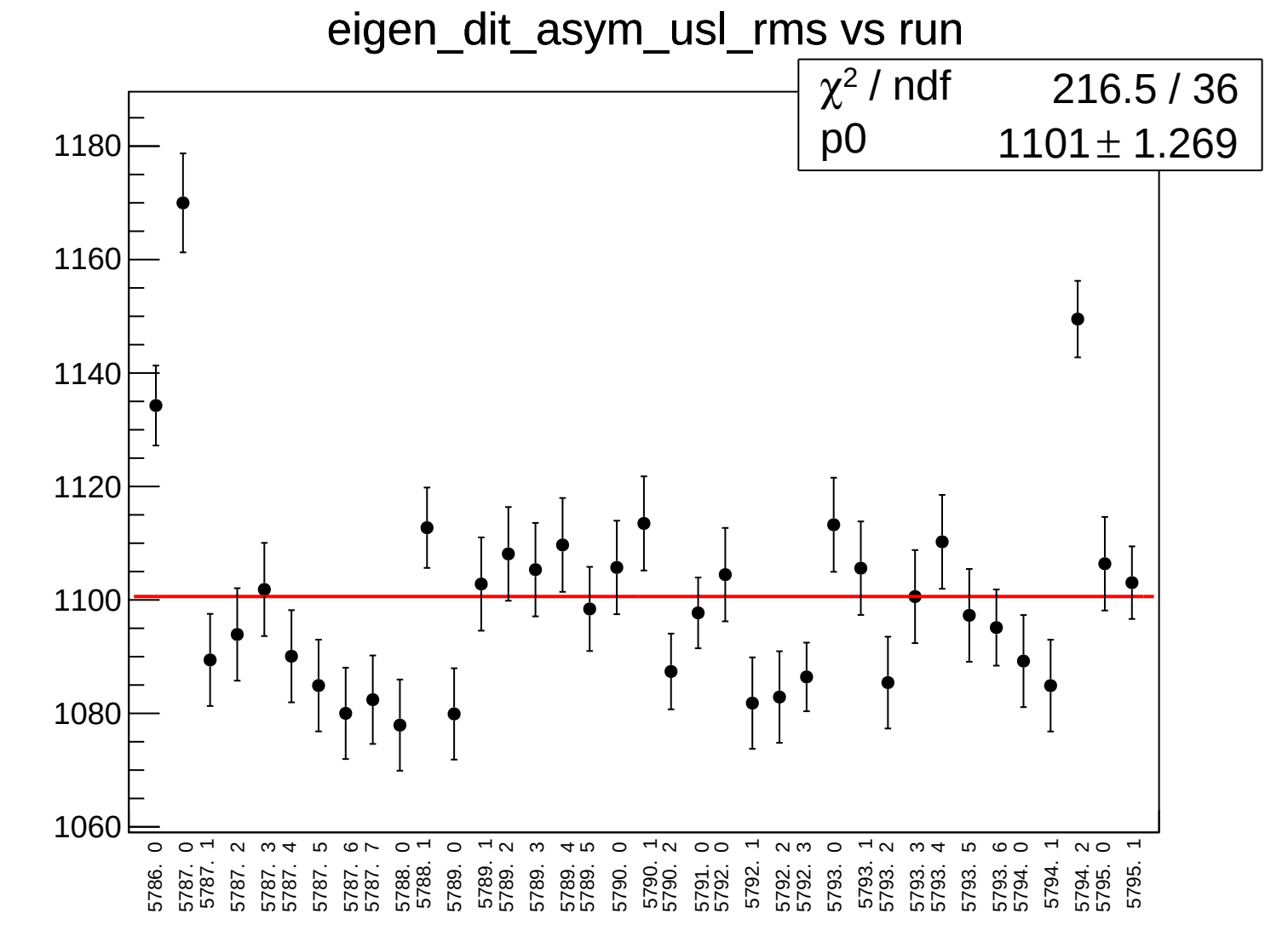

asym_usl_dit_correction_mean vs run
χ² / ndf 31.2 / 36
p0 −2784 ± 1956
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 74.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

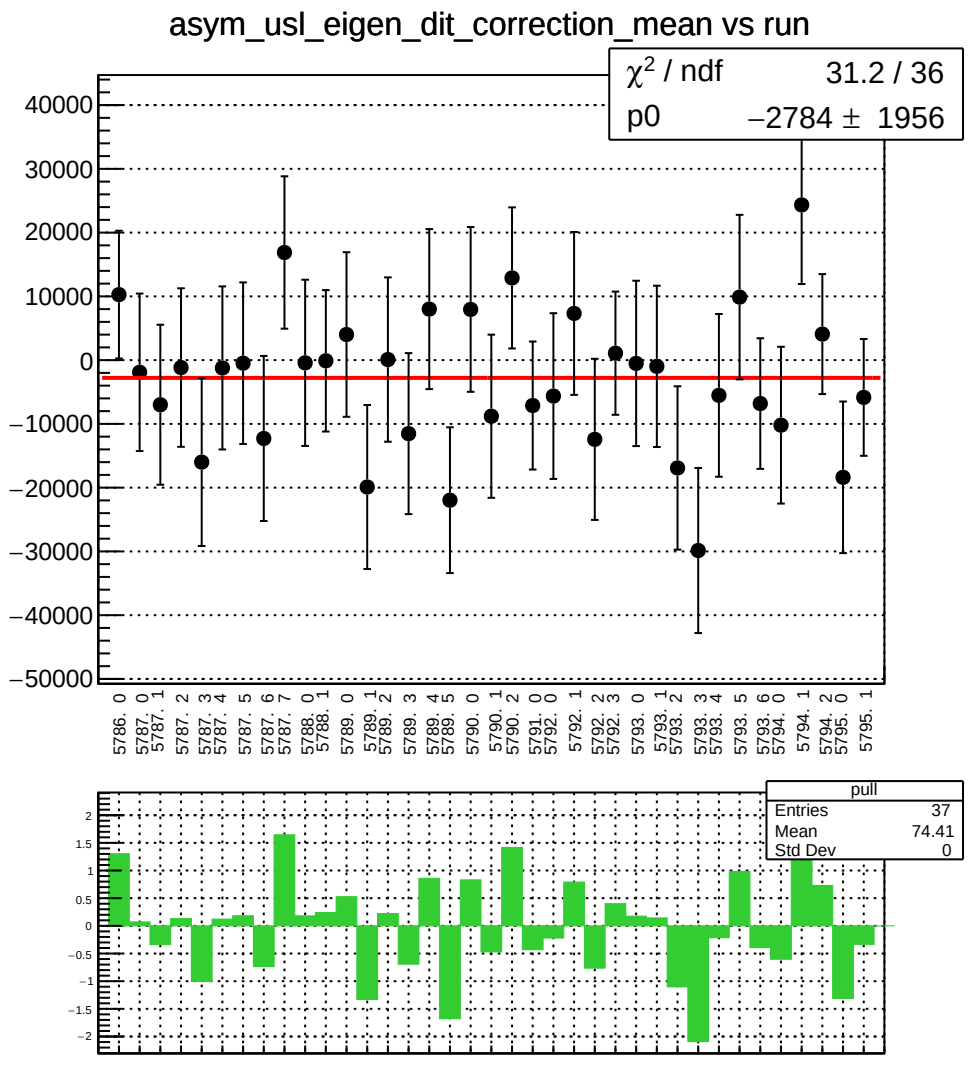

pull1D
Entries 37
Mean −0.01538
Std Dev 0.9181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

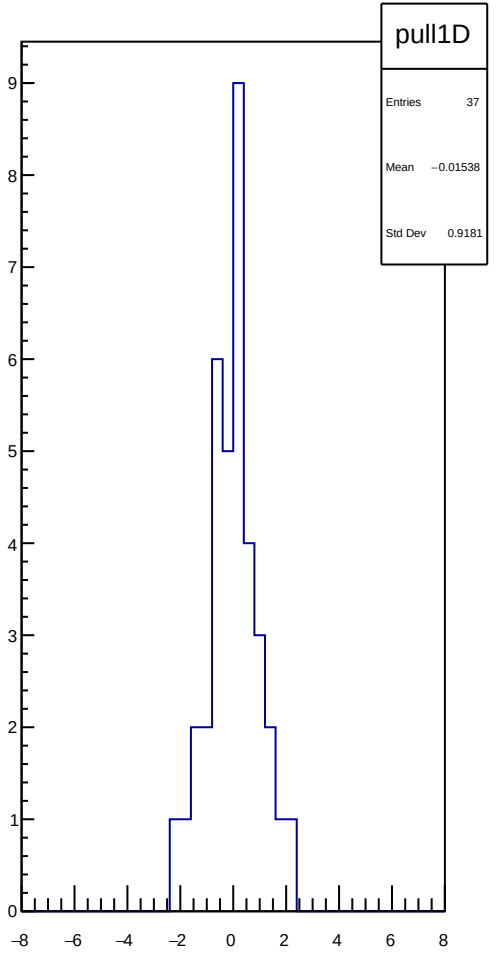

asym_usl_dit_correction_rms vs run
χ² / ndf 760.9 / 36
p0 1200 ± 1.383
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

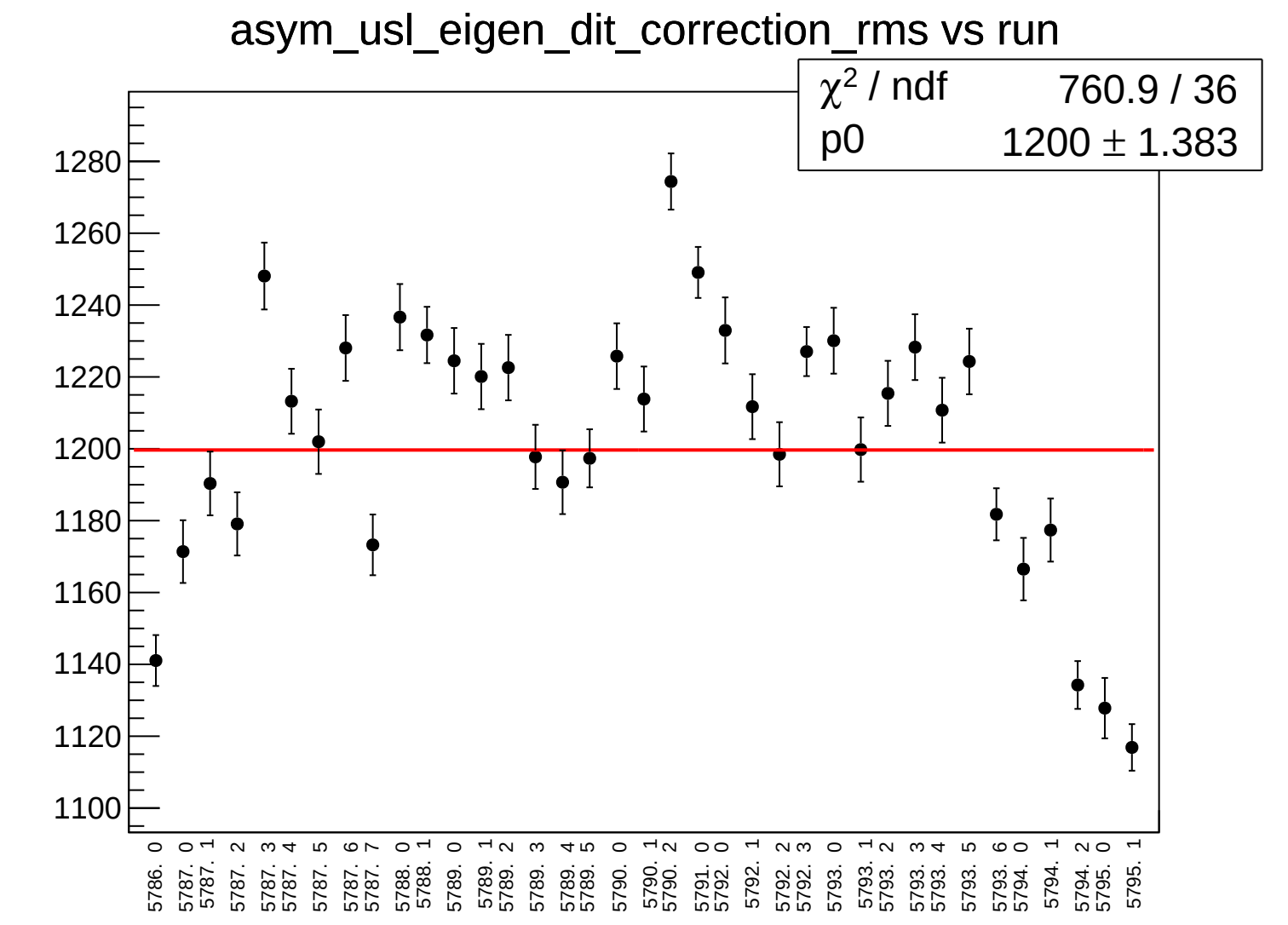

eigen_dit_asym_usl_mean vs run
χ² / ndf 40.47 / 36
p0 2659 ± 1794
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −113.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

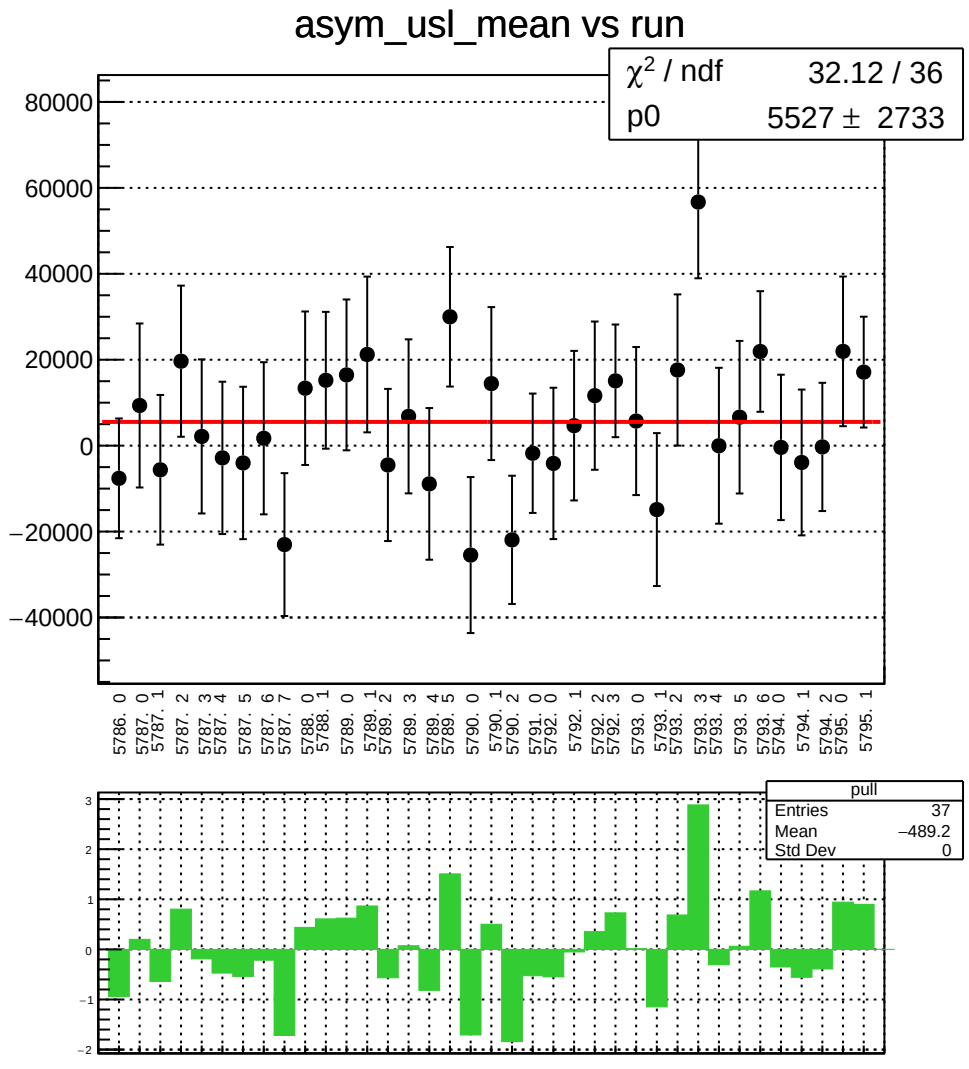

pull1D
Entries 37
Mean −0.01882
Std Dev 1.046
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

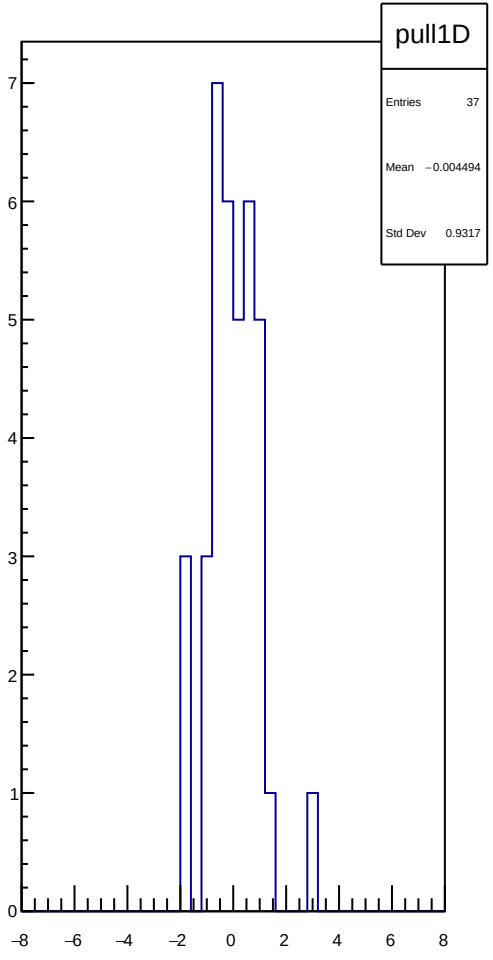

eigen_dit_asym_usl_rms vs run
χ² / ndf 216.5 / 36
p0 1101 ± 1.269
1180
1160
1140
1120
1100
1080
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

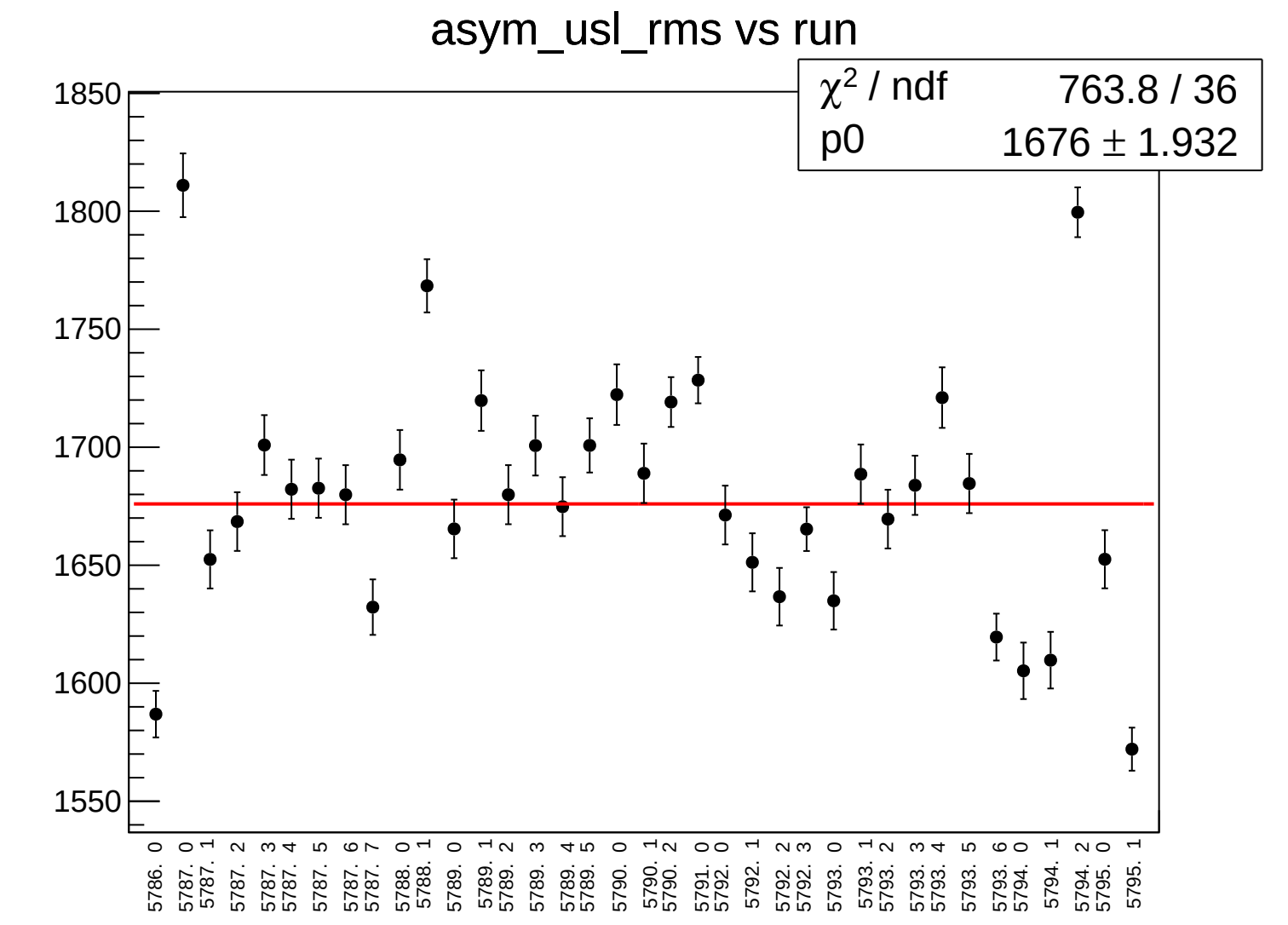

asym_usl_eigen_dit_correction_mean vs run
χ² / ndf 31.2 / 36
p0 −2784 ± 1956
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 74.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

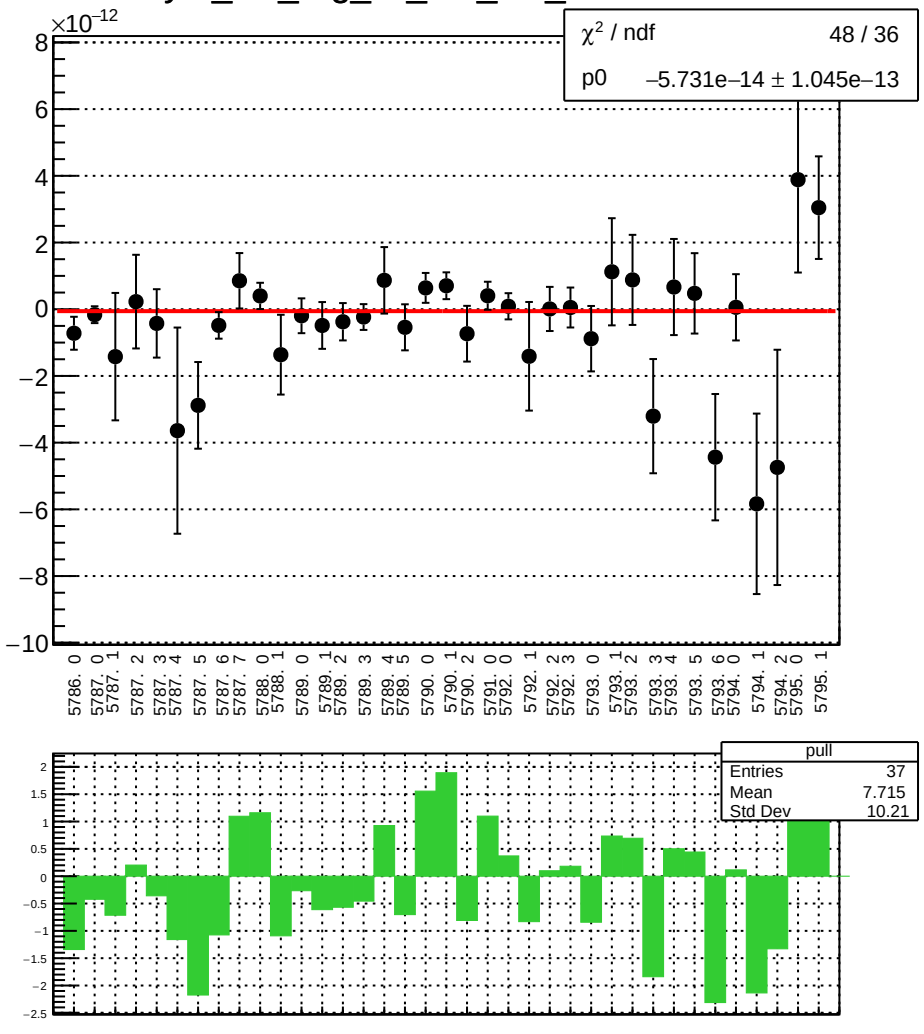

pull1D
Entries 37
Mean −0.01538
Std Dev 0.9181
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

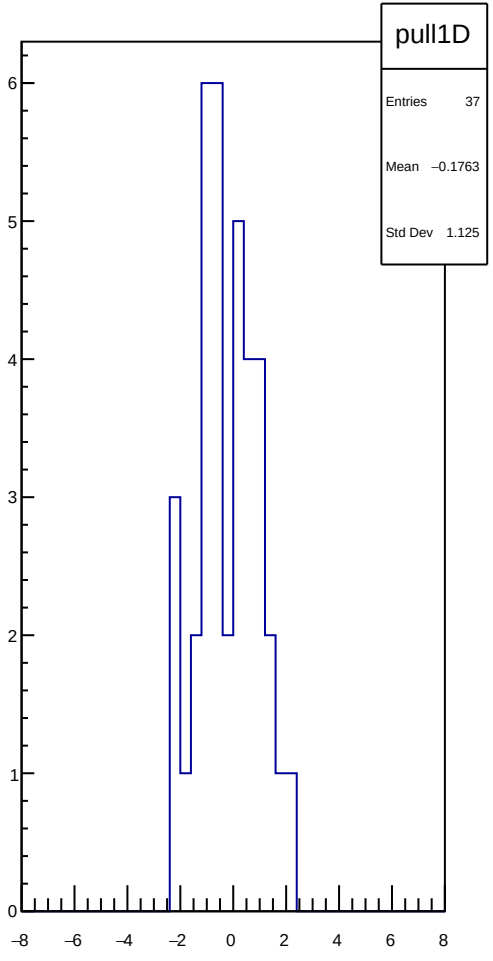

asym_usl_eigen_dit_correction_rms vs run
χ² / ndf 760.9 / 36
p0 1200 ± 1.383
1280
1260
1240
1220
1200
1180
1160
1140
1120
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

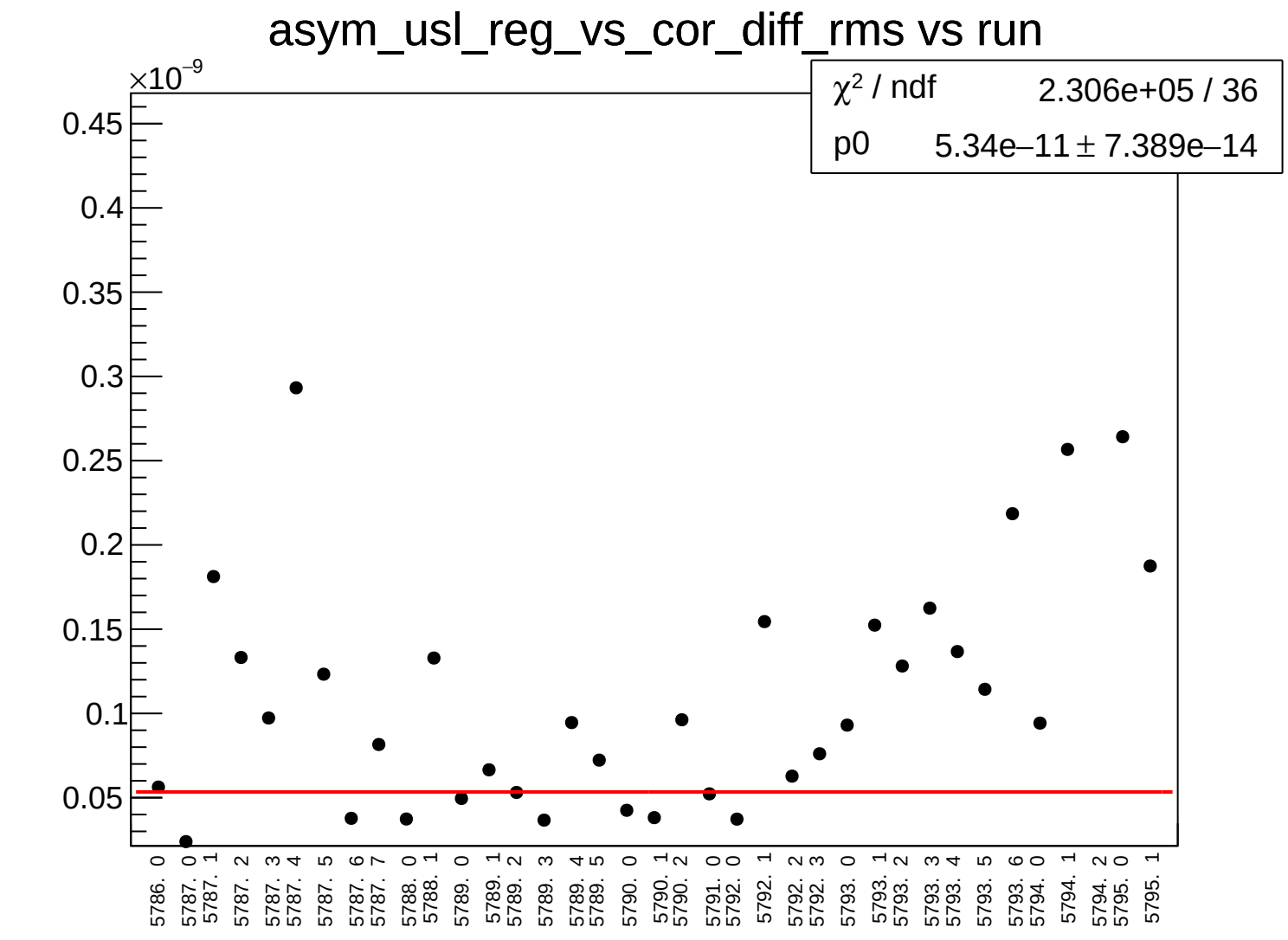

asym_usl_mean vs run
χ² / ndf 32.12 / 36
p0 5527 ± 2733
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −489.2
Std Dev 0
3
2
1
0
−1
−2

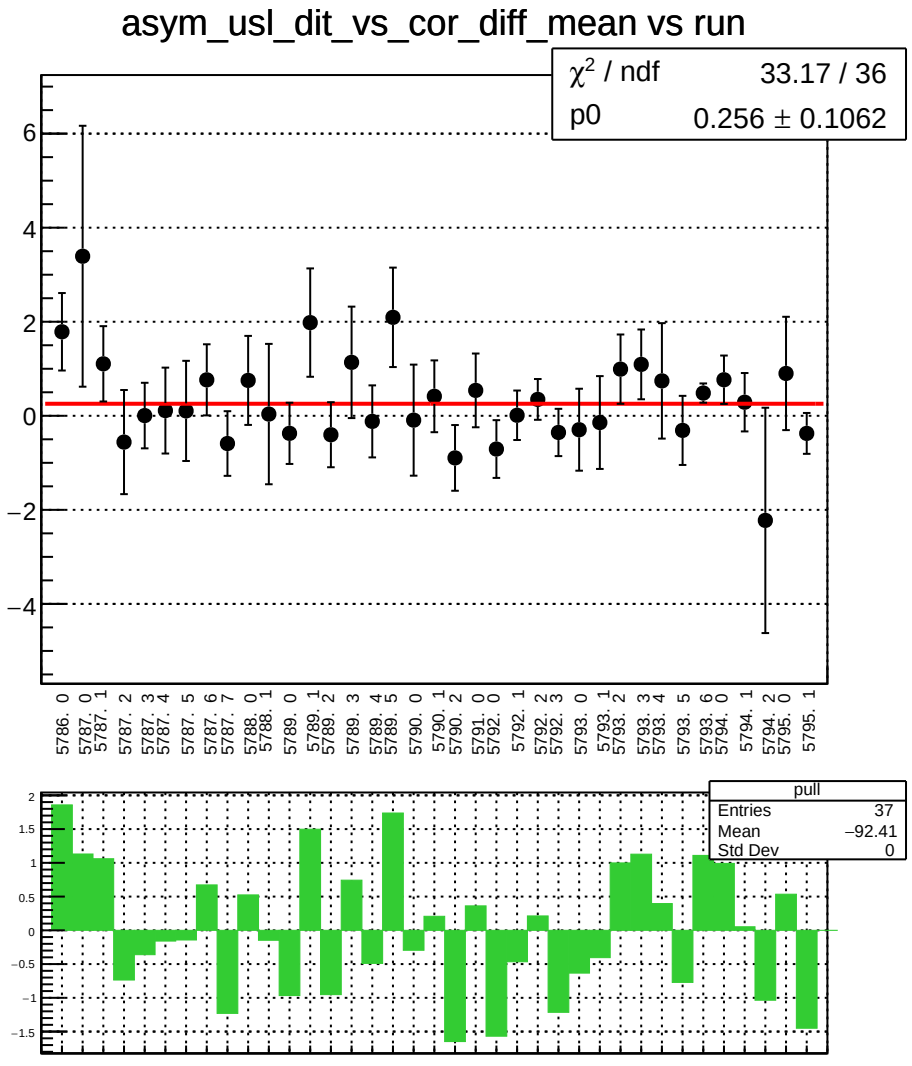

pull1D
Entries 37
Mean −0.004494
Std Dev 0.9317
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

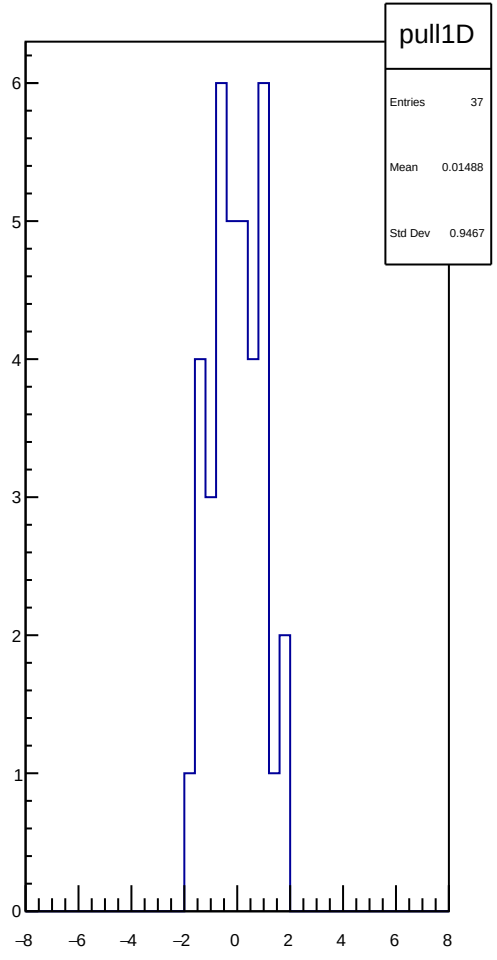

asym_usl_rms vs run
χ² / ndf 763.8 / 36
p0 1676 ± 1.932
1850
1800
1750
1700
1650
1600
1550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

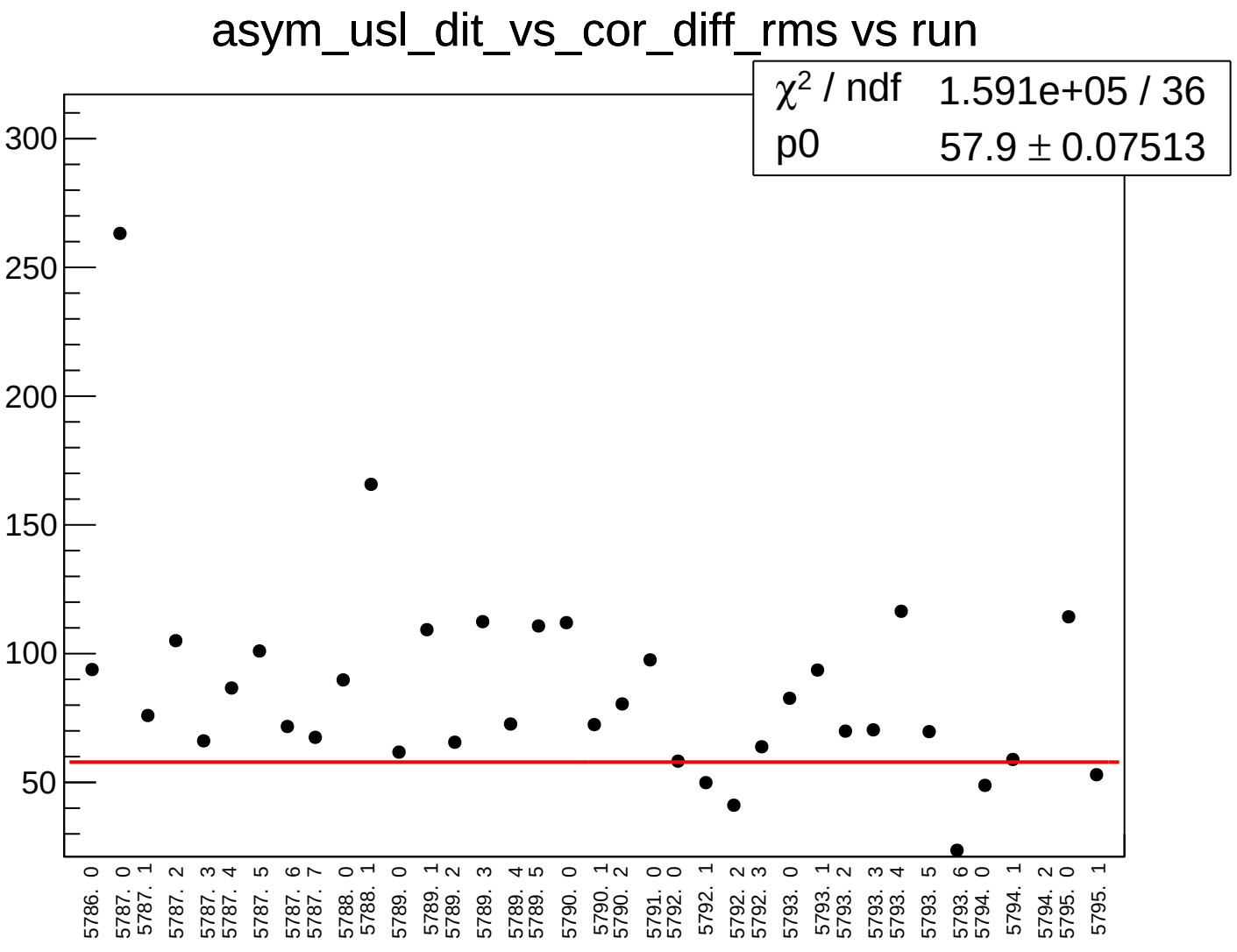

asym_usl_reg_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48 / 36
p0 −5.731e−14 ± 1.045e−13
pull
Entries 37
Mean 7.715
Std Dev 10.21

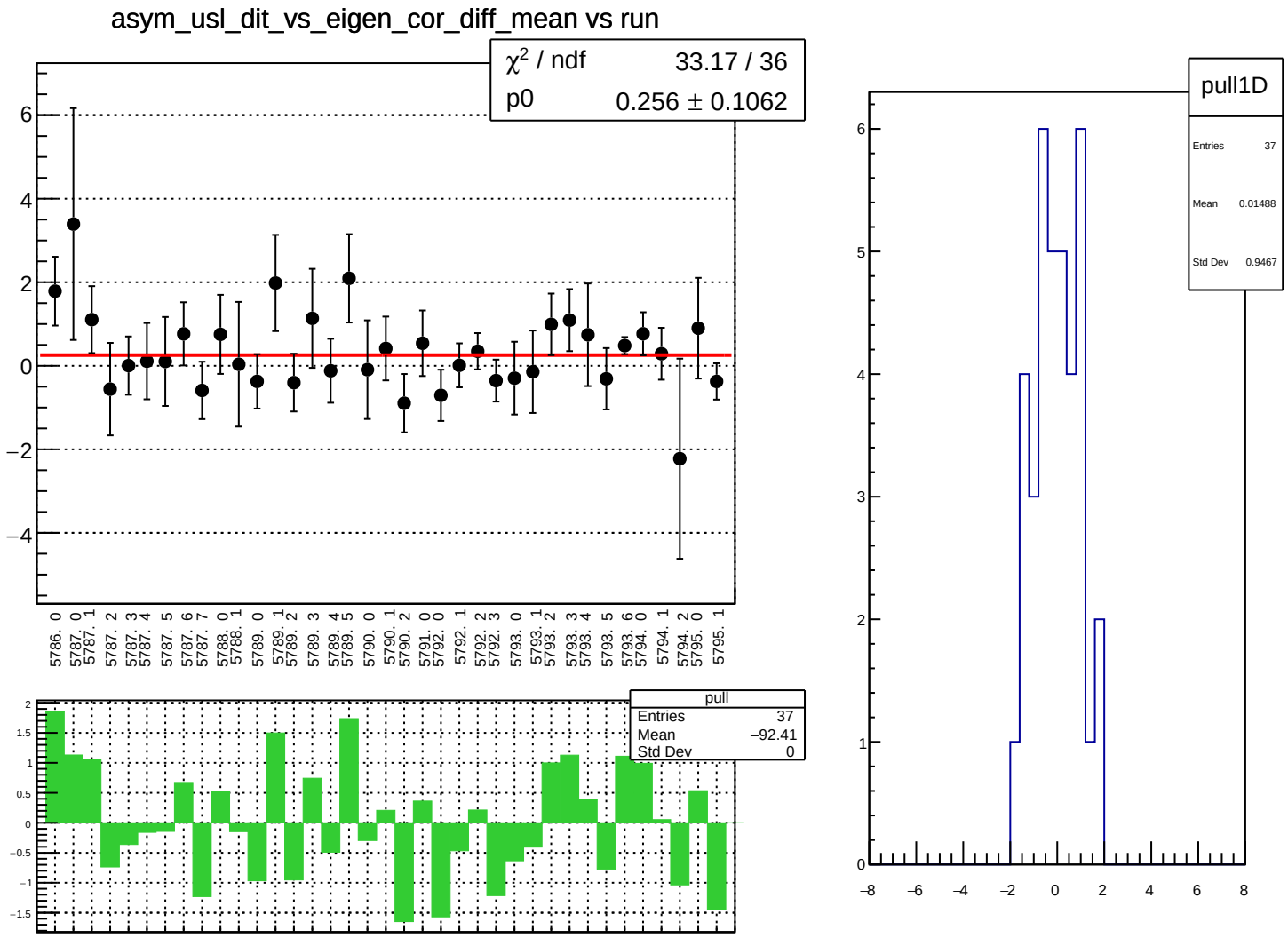

pull1D
Entries 37
Mean −0.1763
Std Dev 1.125

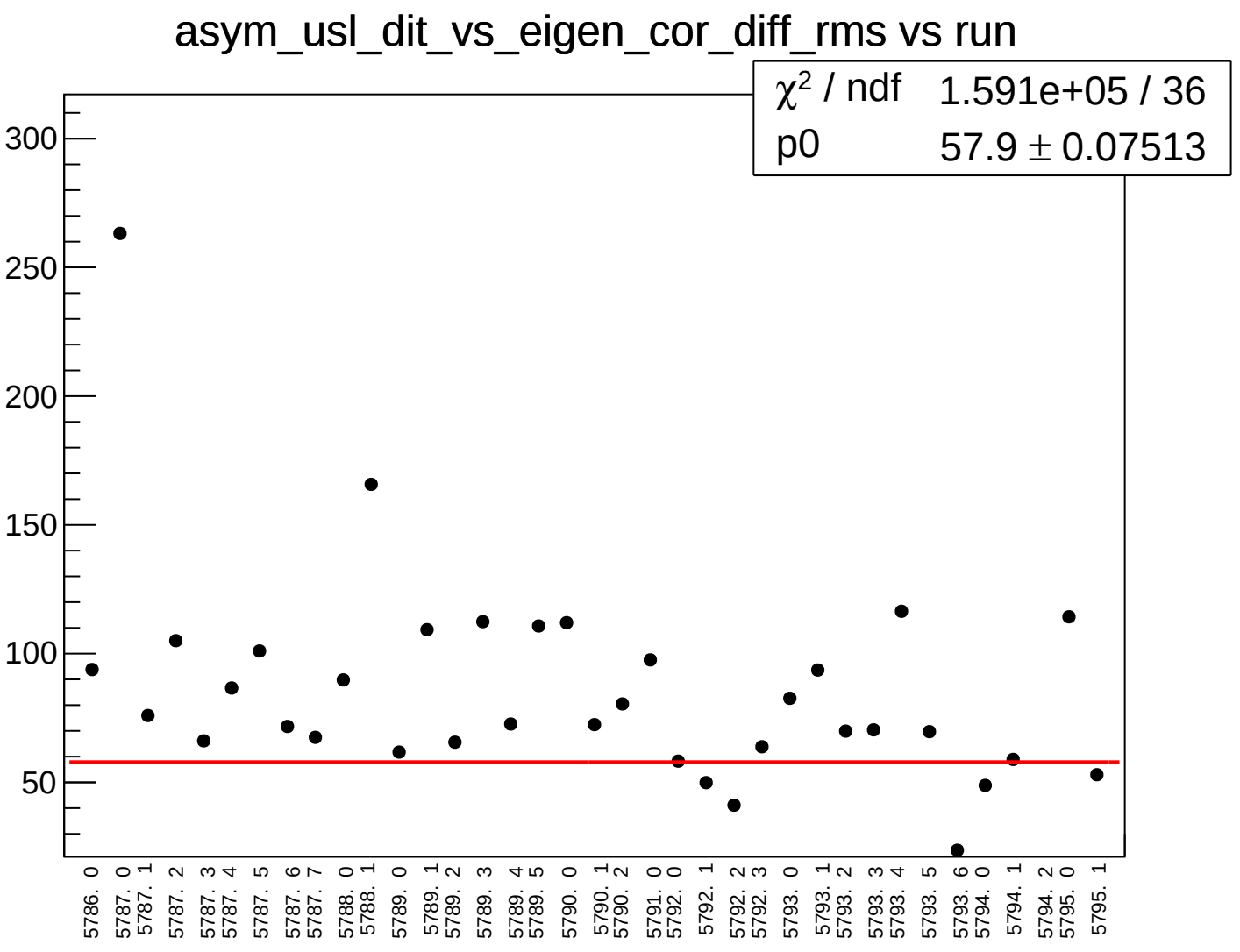

asym_usl_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.306e+05 / 36
p0 5.34e−11 ± 7.389e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

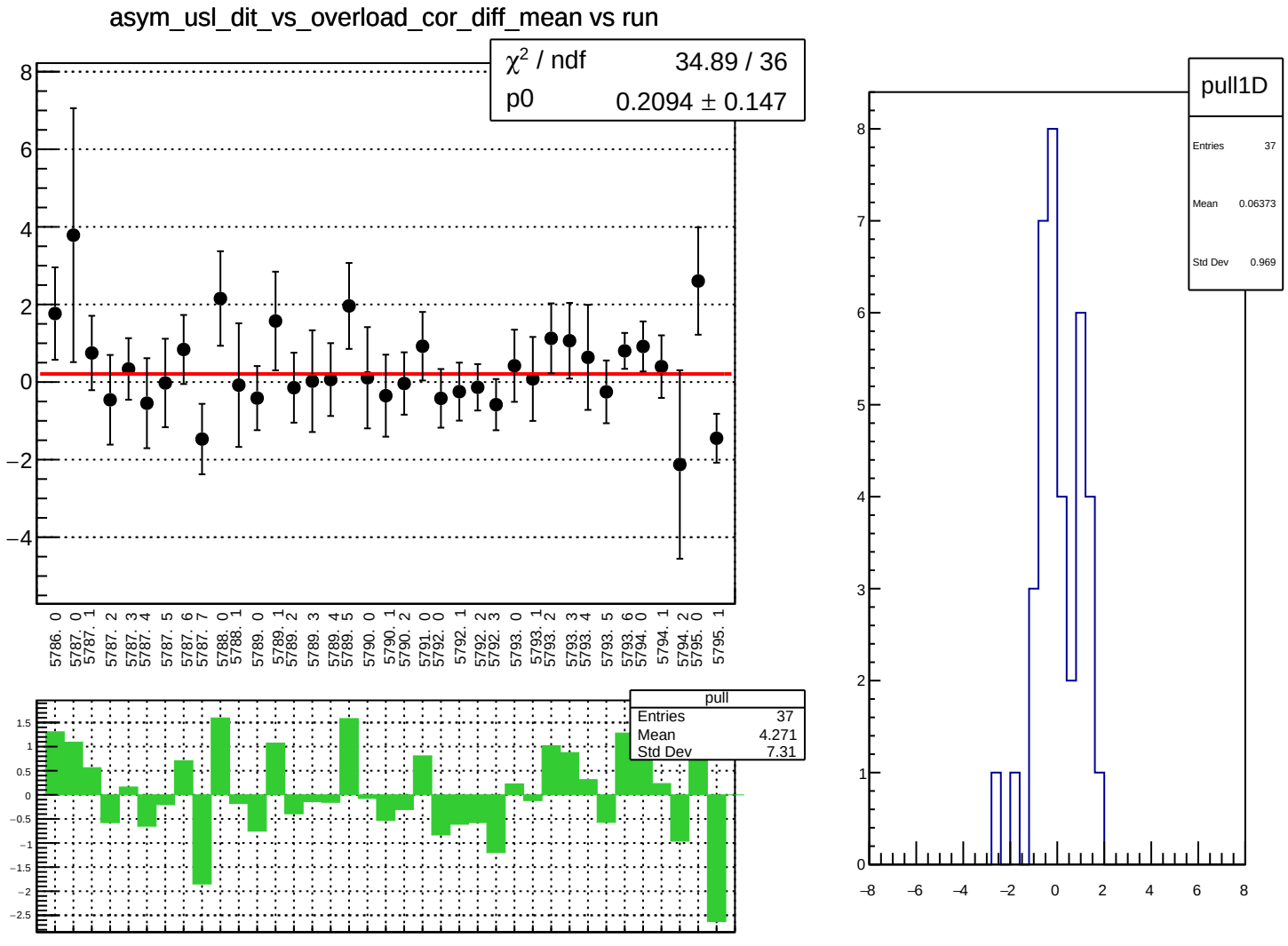

asym_usl_dit_vs_cor_diff_mean vs run
χ² / ndf 33.17 / 36
p0 0.256 ± 0.1062
pull
Entries 37
Mean −92.41
Std Dev 0

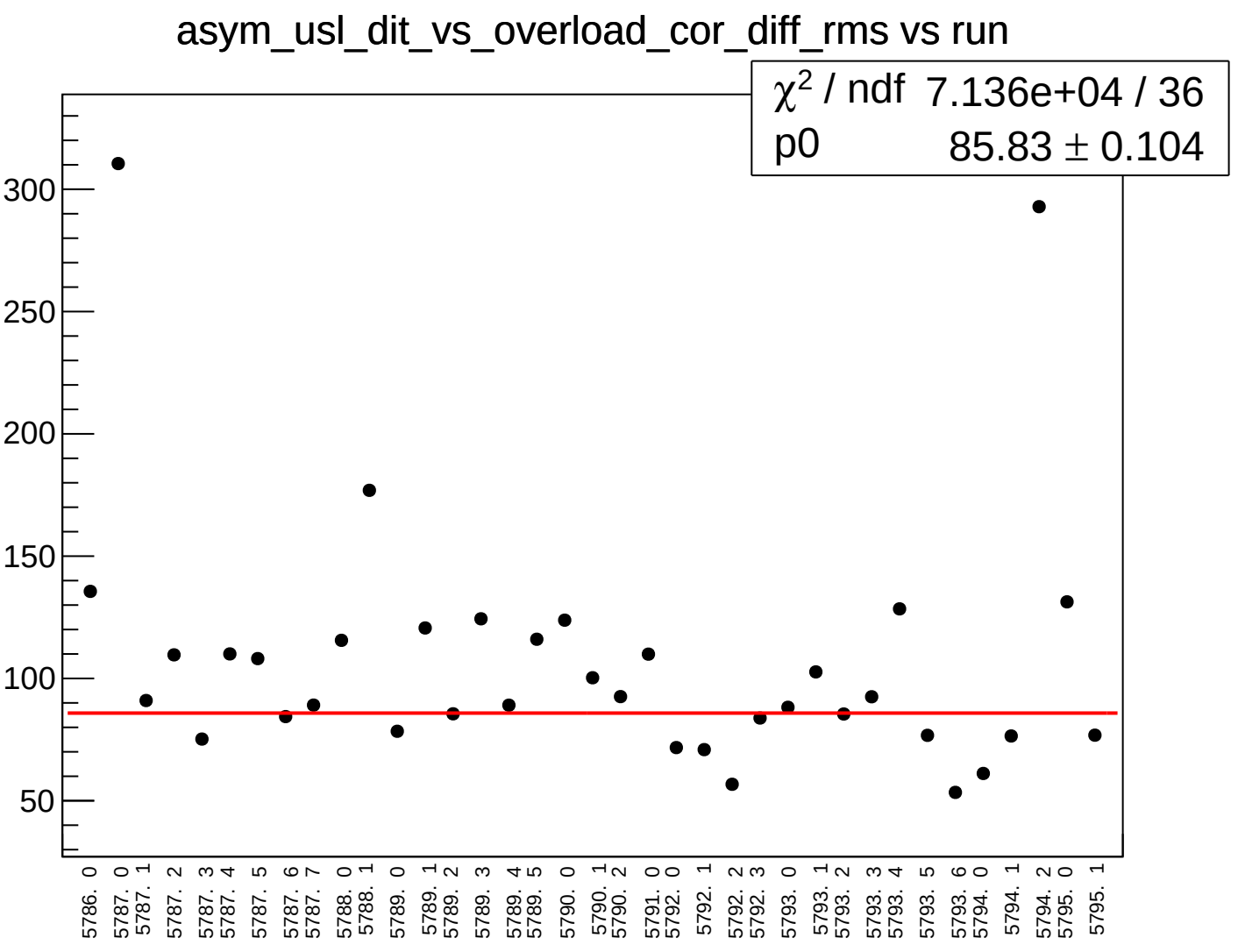

pull1D
Entries 37
Mean 0.01488
Std Dev 0.9467

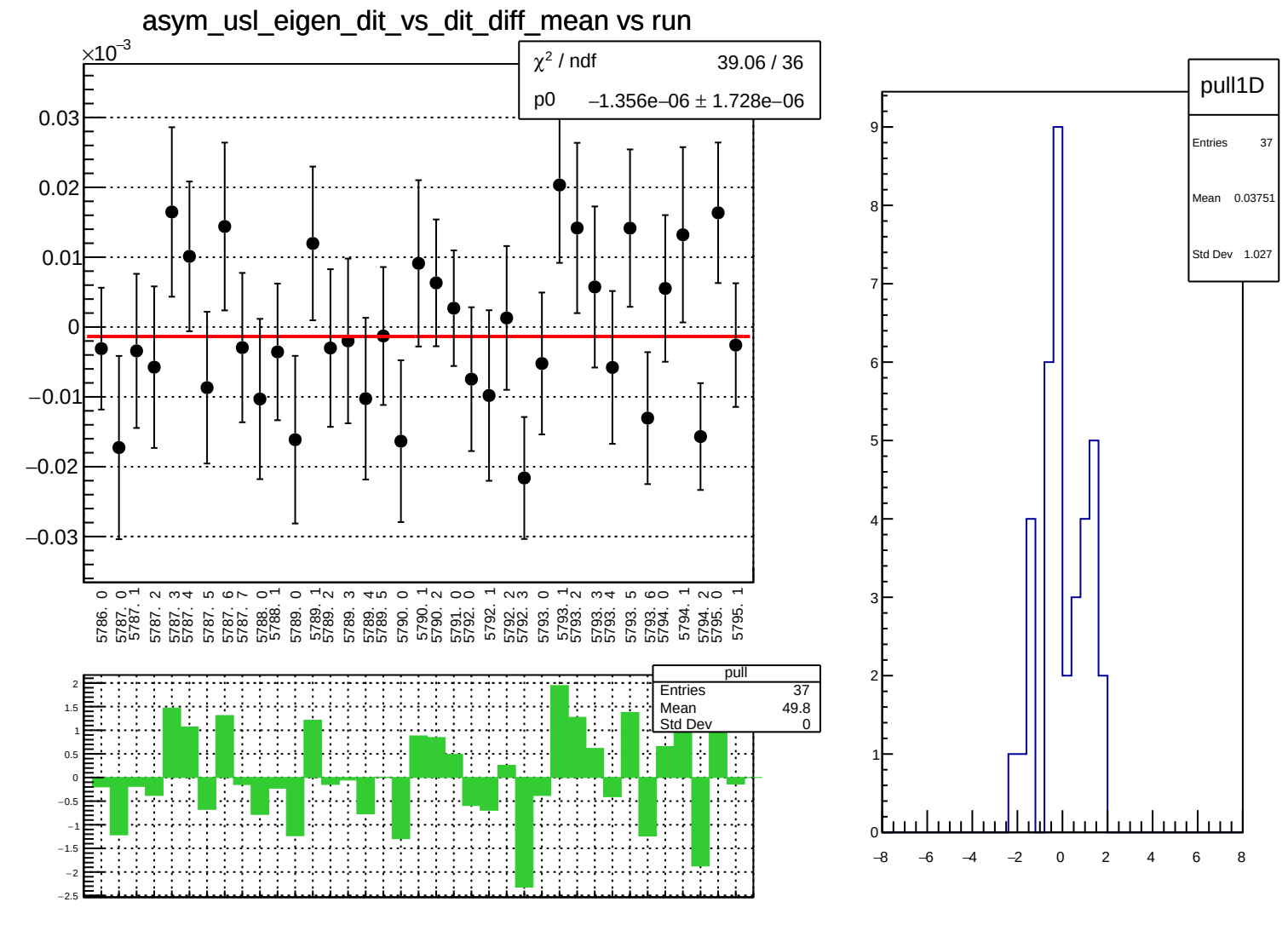

asym_usl_dit_vs_cor_diff_rms vs run
χ² / ndf 1.591e+05 / 36
p0 57.9 ± 0.07513
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

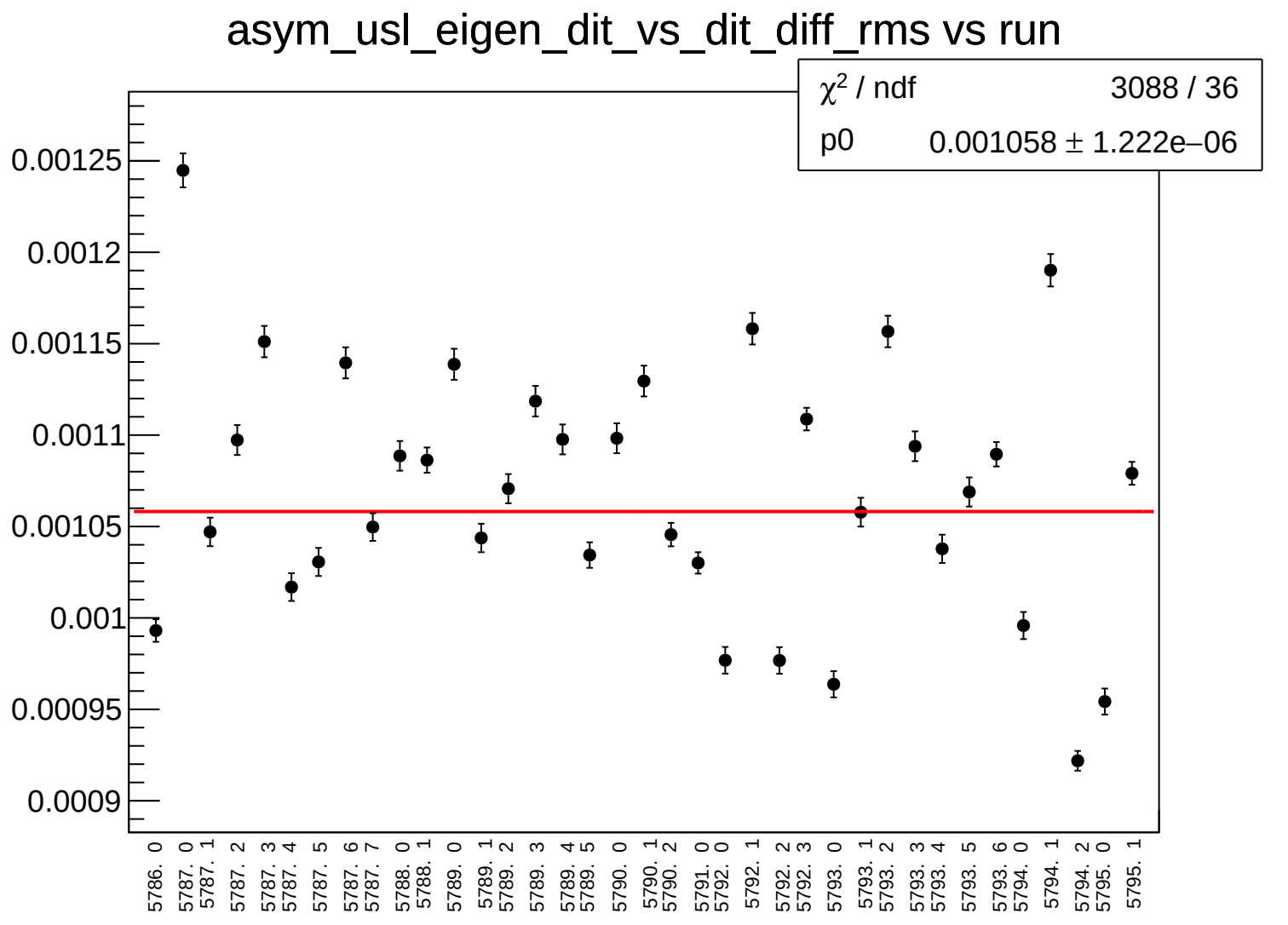

asym_usl_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.17 / 36
p0 0.256 ± 0.1062
pull
Entries 37
Mean −92.41
Std Dev 0
pull1D
Entries 37
Mean 0.01488
Std Dev 0.9467

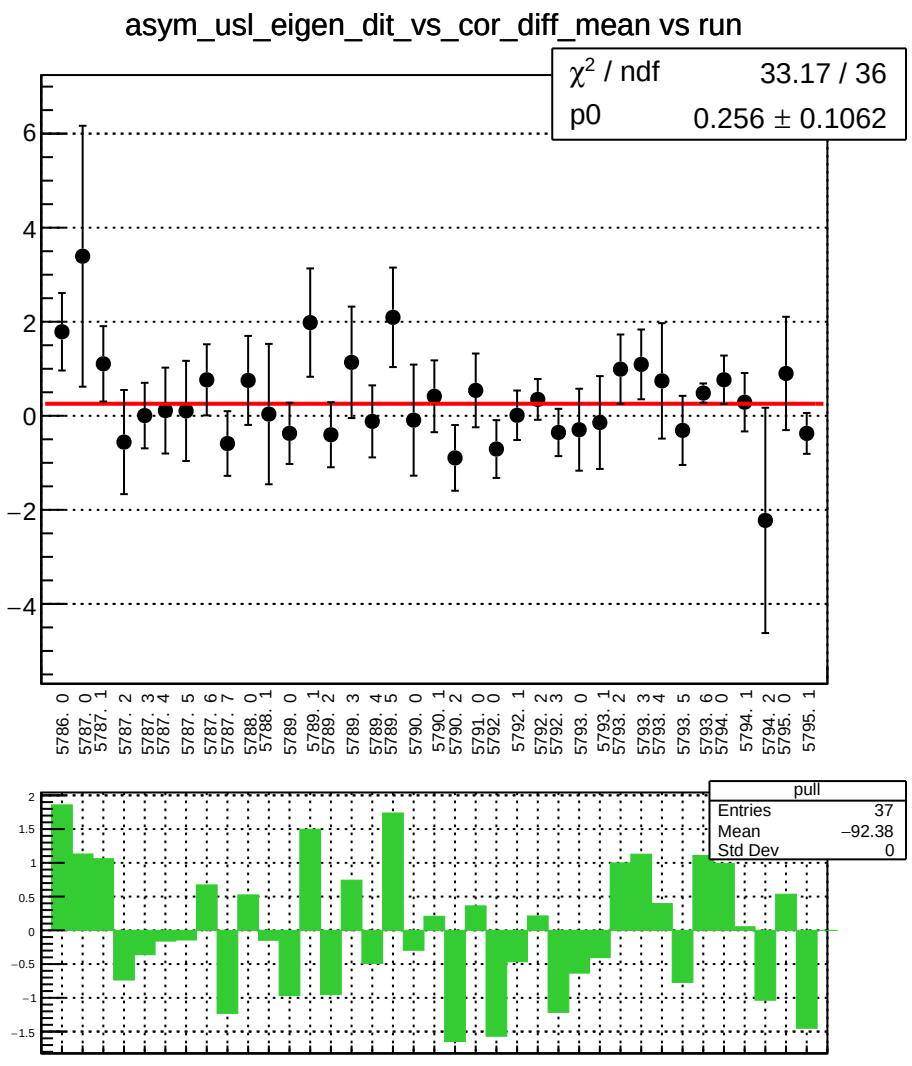

asym_usl_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.591e+05 / 36
p0 57.9 ± 0.07513
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

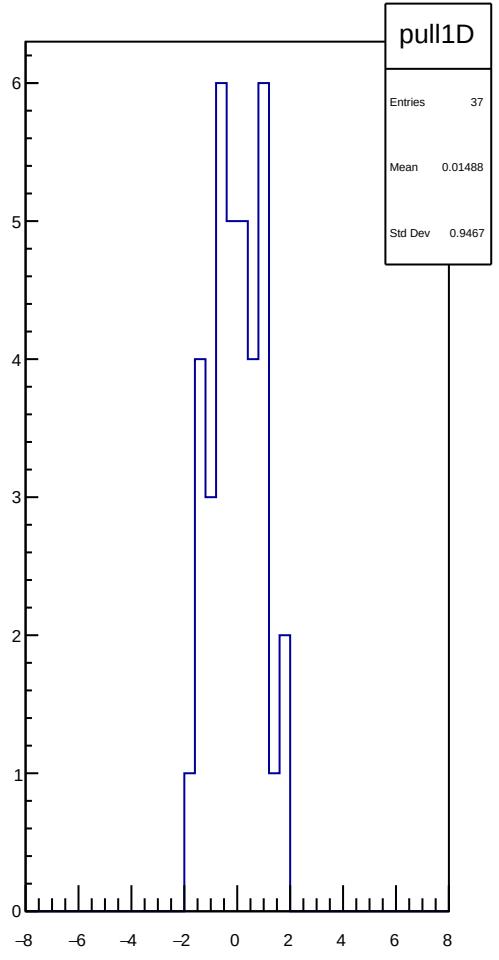

asym_usl_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 34.89 / 36
p0 0.2094 ± 0.147
pull
Entries 37
Mean 4.271
Std Dev 7.31
pull1D
Entries 37
Mean 0.06373
Std Dev 0.969

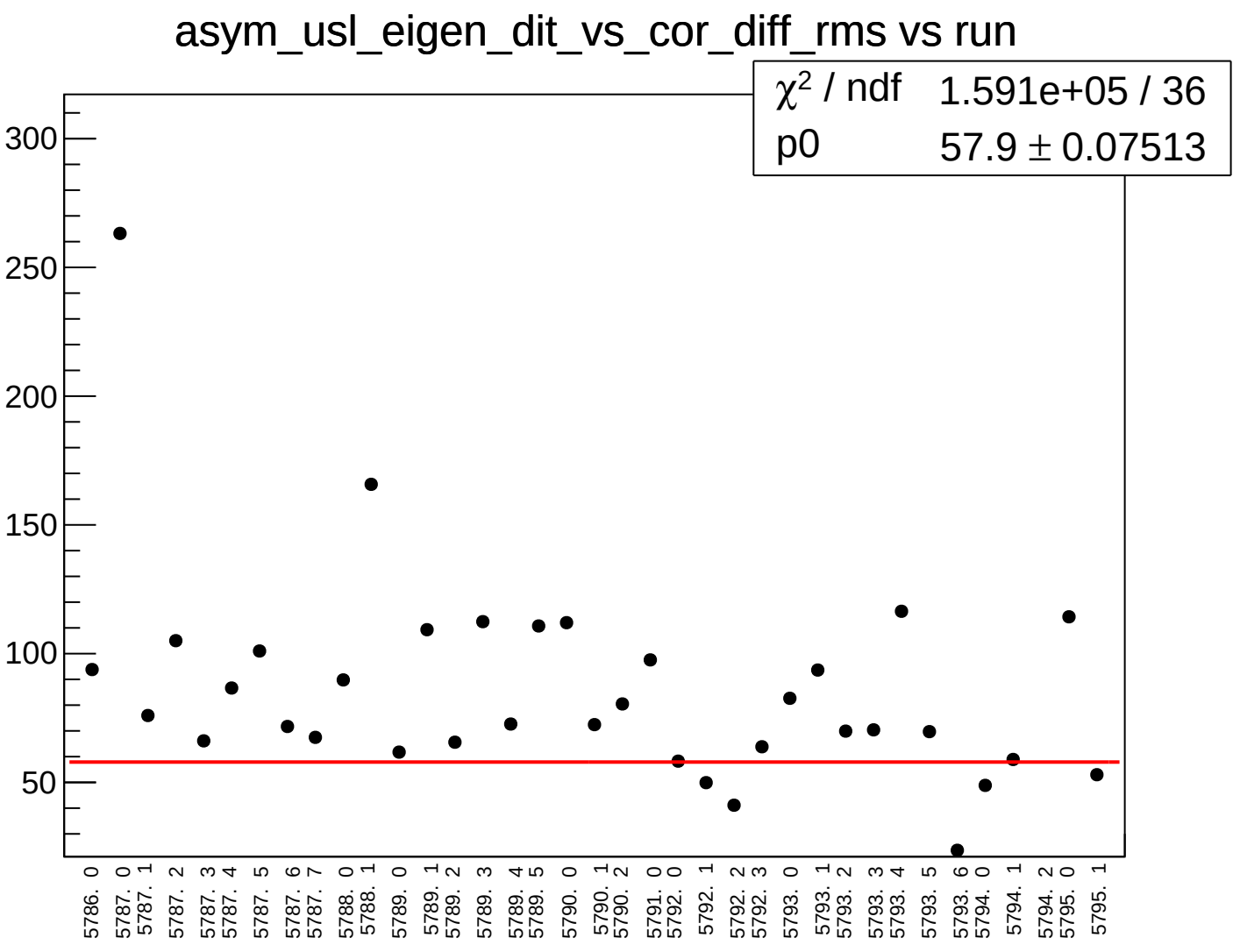

asym_usl_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.136e+04 / 36
p0 85.83 ± 0.104
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

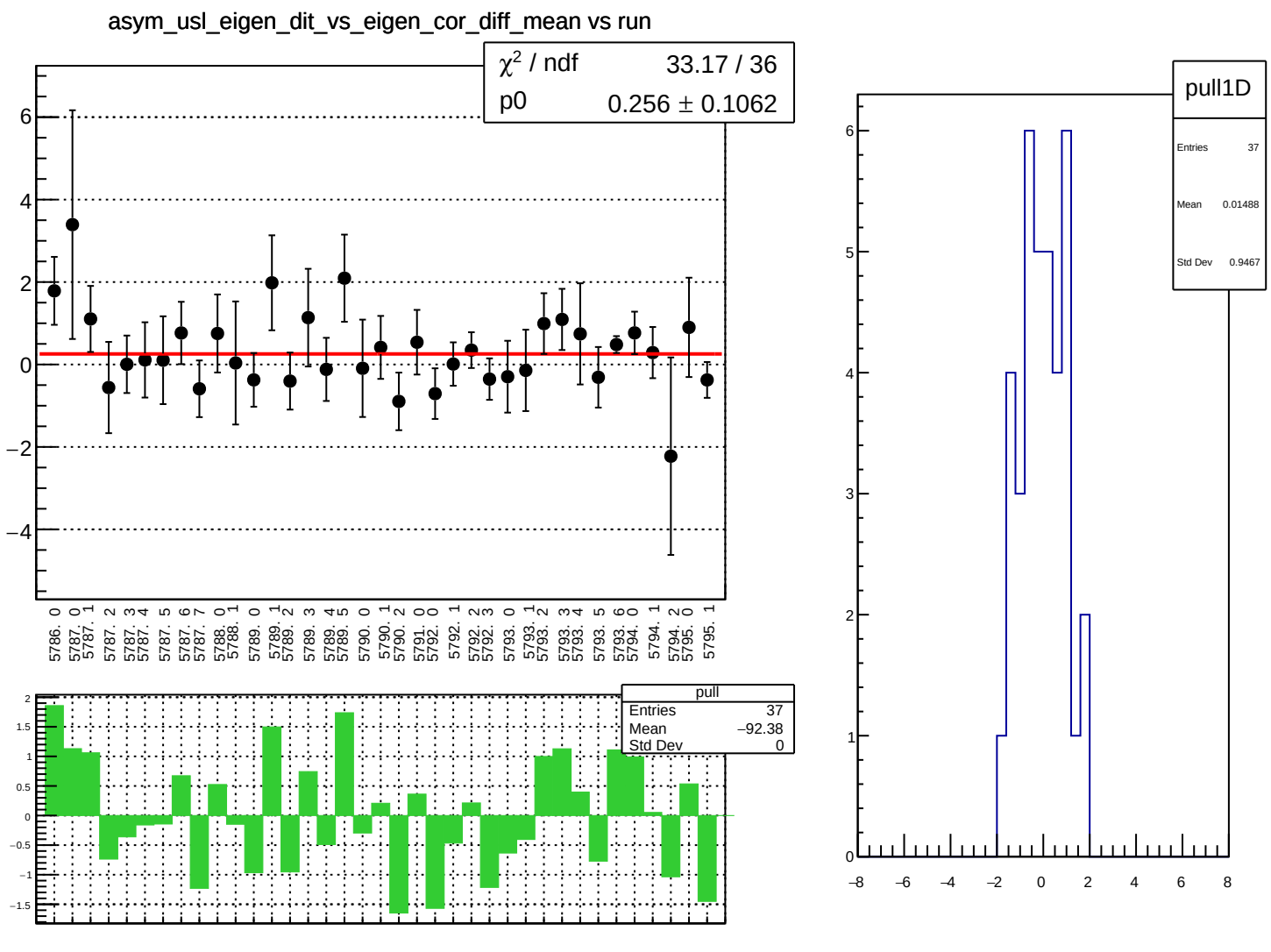

asym_usl_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.06 / 36
p0 −1.356e−06 ± 1.728e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 49.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.03751
Std Dev 1.027
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

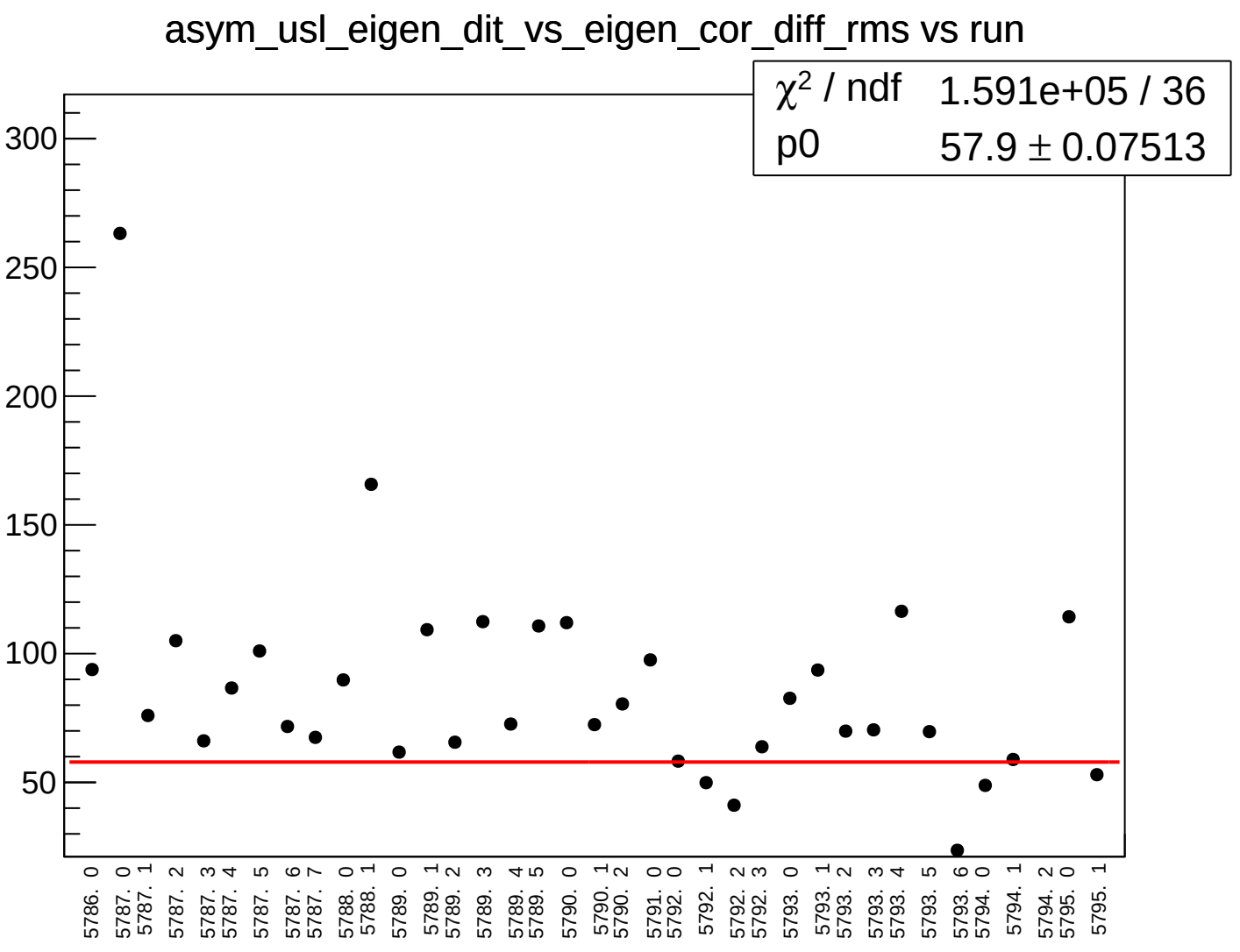

asym_usl_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3088 / 36
p0 0.001058 ± 1.222e−06
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

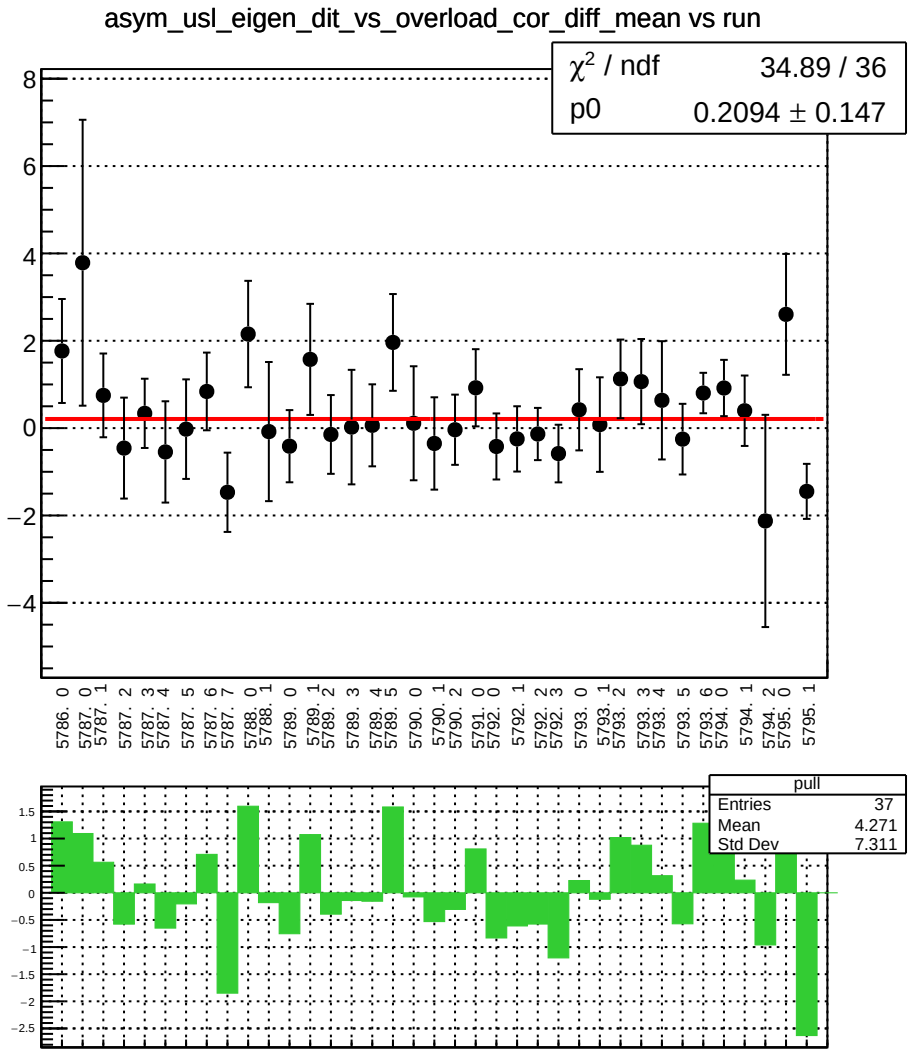

asym_usl_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.17 / 36
p0 0.256 ± 0.1062
pull
Entries 37
Mean −92.38
Std Dev 0

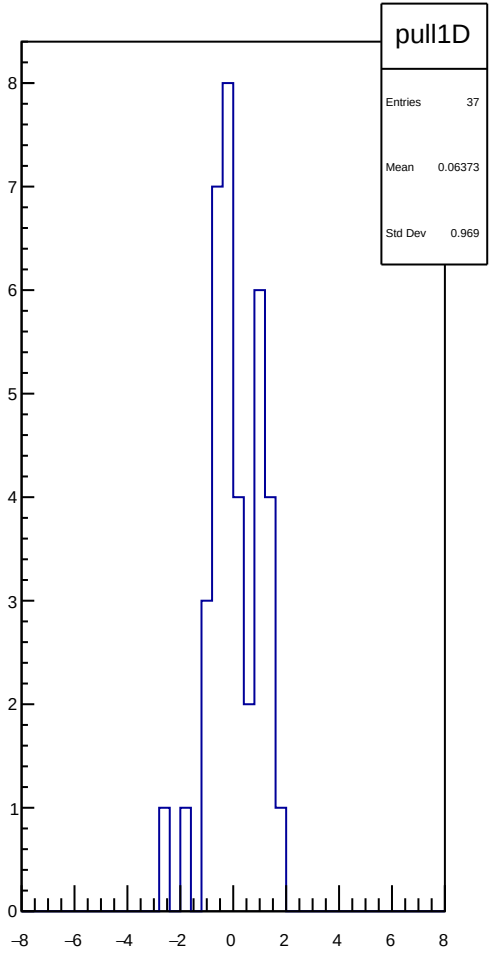

pull1D
Entries 37
Mean 0.01488
Std Dev 0.9467

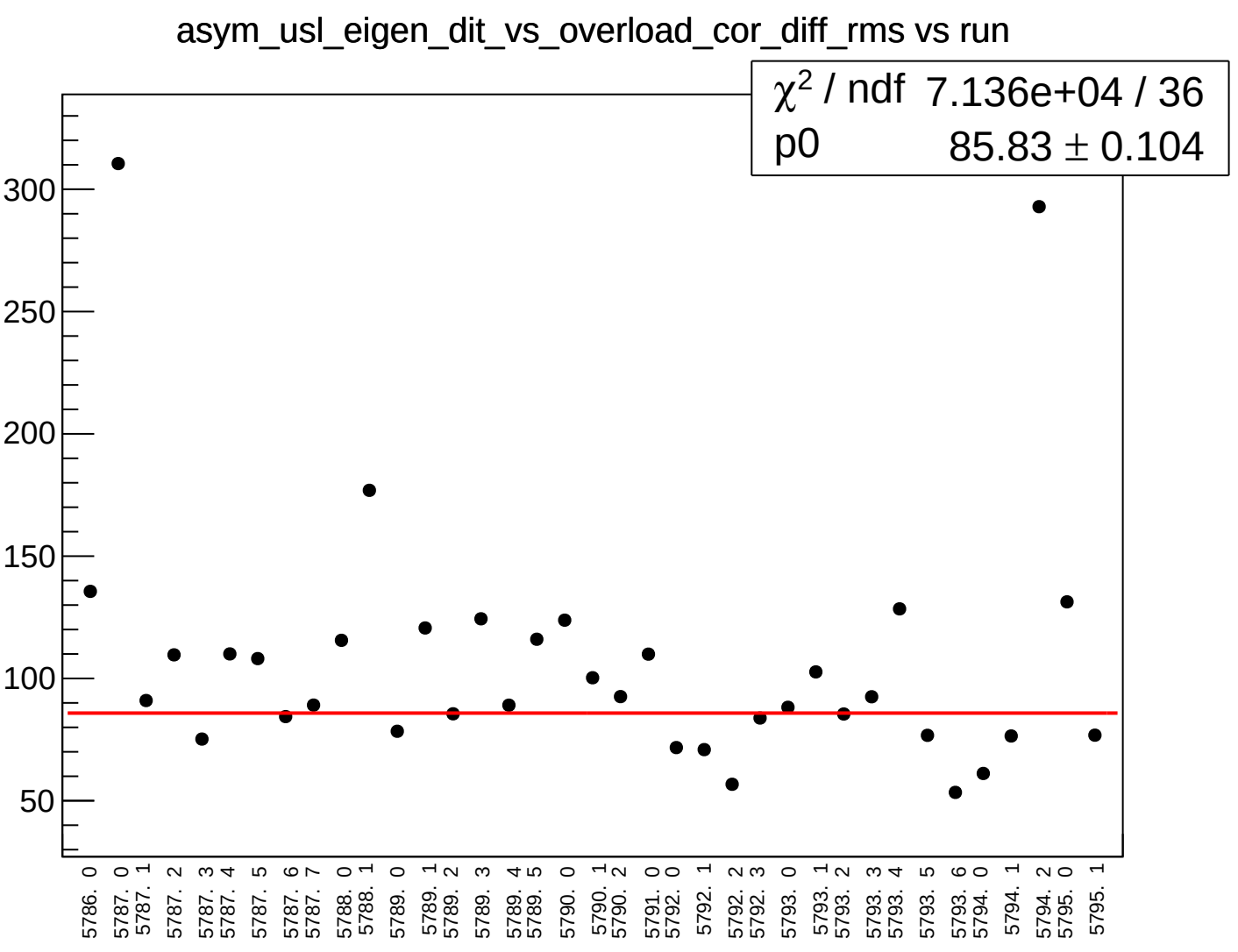

asym_usl_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.591e+05 / 36
p0 57.9 ± 0.07513
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

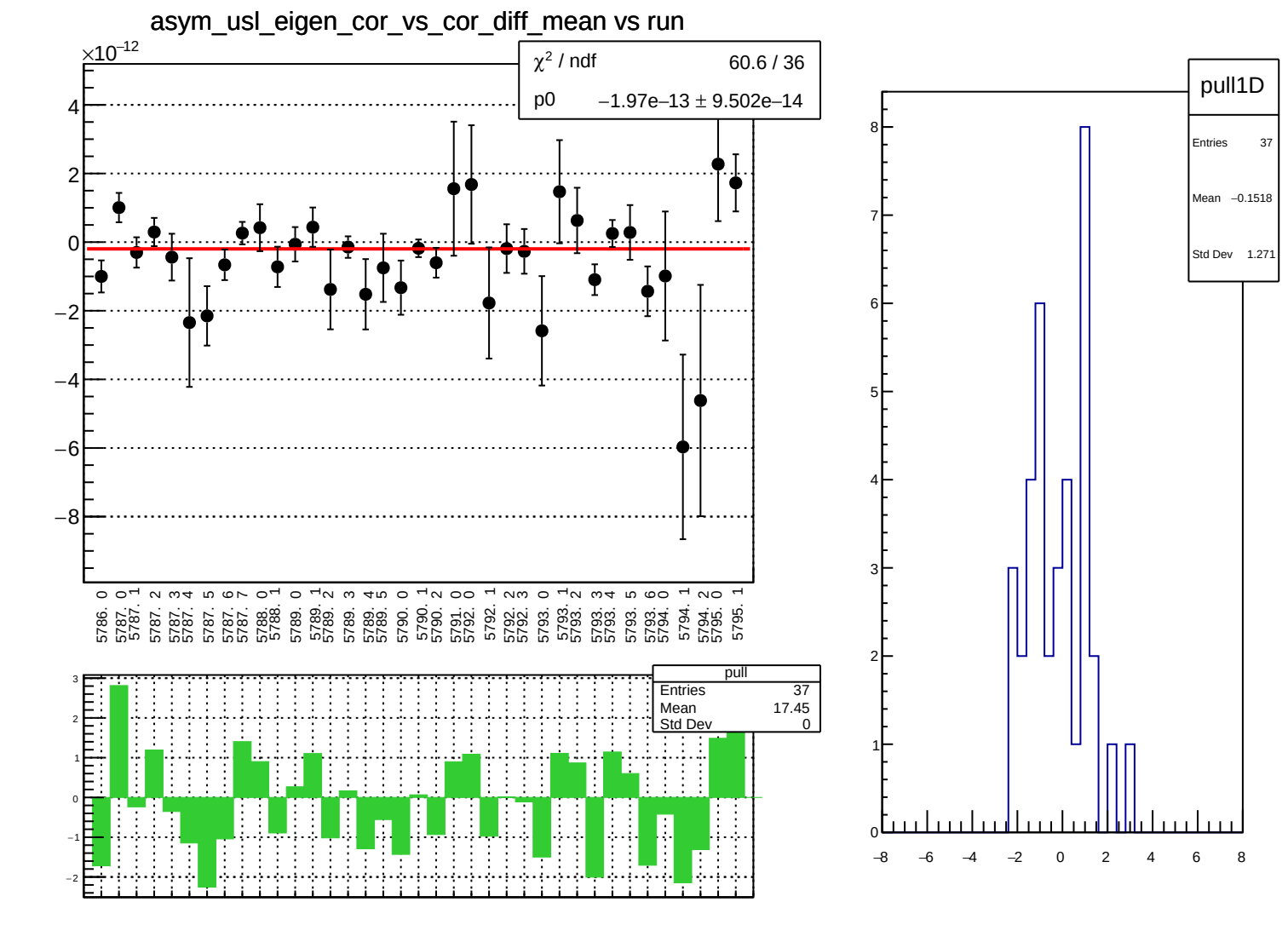

asym_usl_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.17 / 36
p0 0.256 ± 0.1062
pull
Entries 37
Mean −92.38
Std Dev 0
pull1D
Entries 37
Mean 0.01488
Std Dev 0.9467

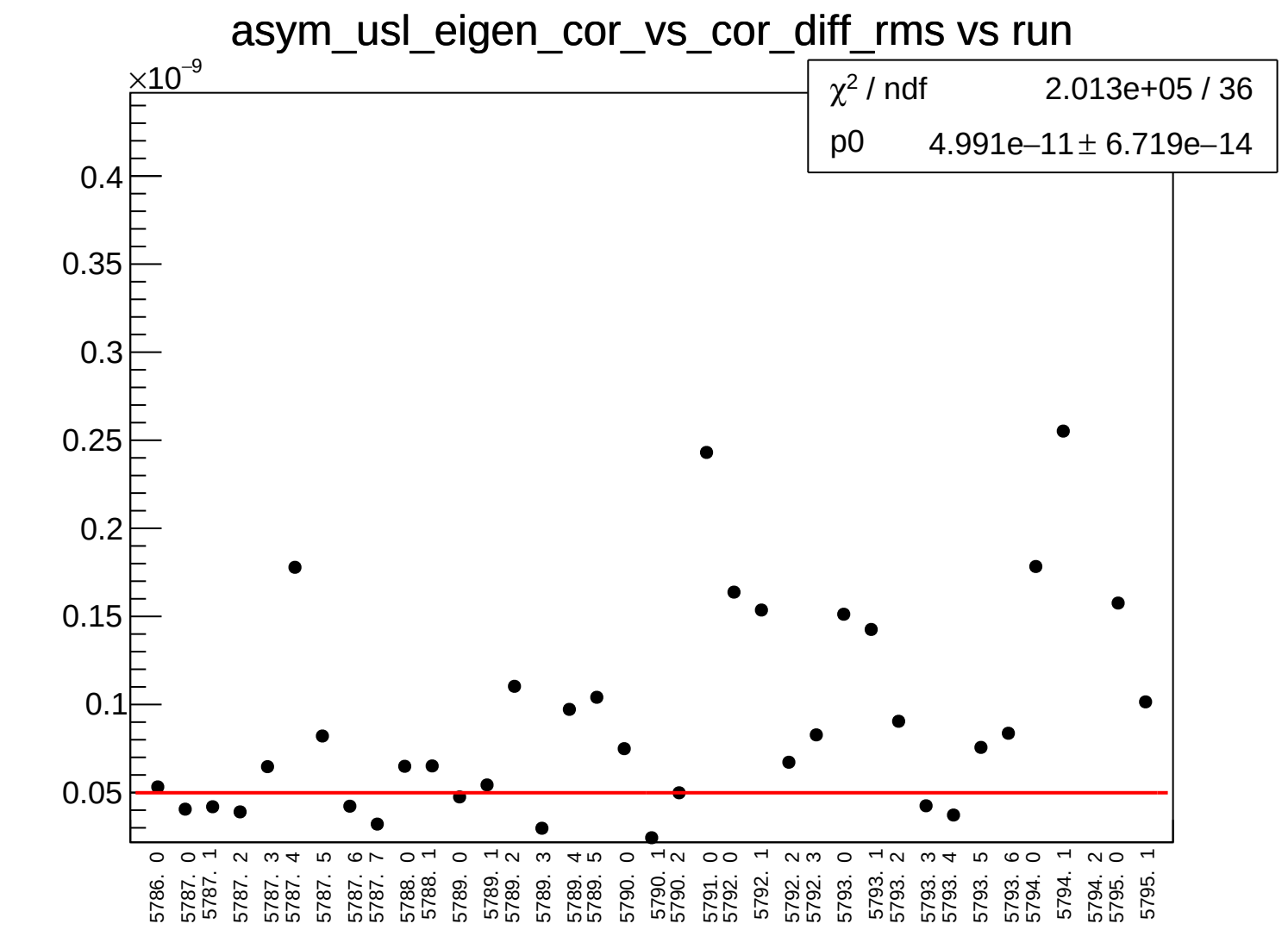

asym_usl_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.591e+05 / 36
p0 57.9 ± 0.07513
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

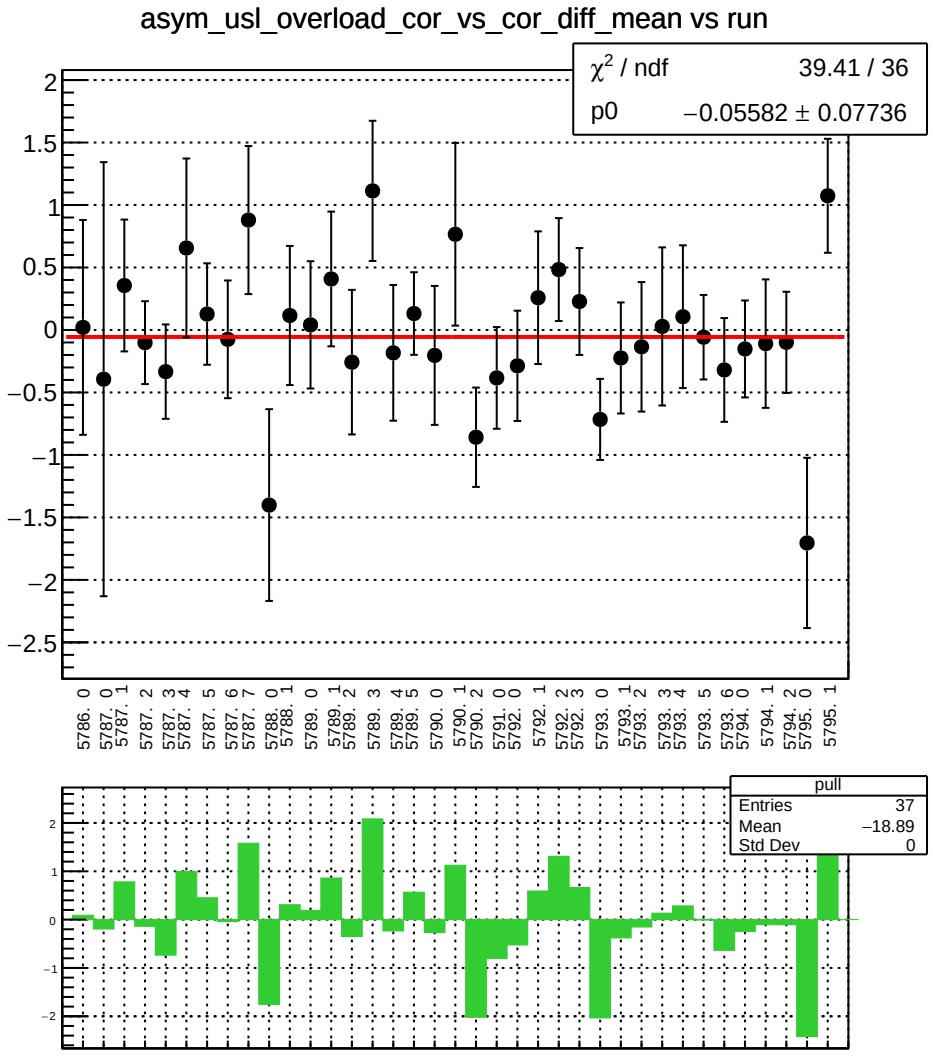

asym_usl_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 34.89 / 36
p0 0.2094 ± 0.147
pull
Entries 37
Mean 4.271
Std Dev 7.311

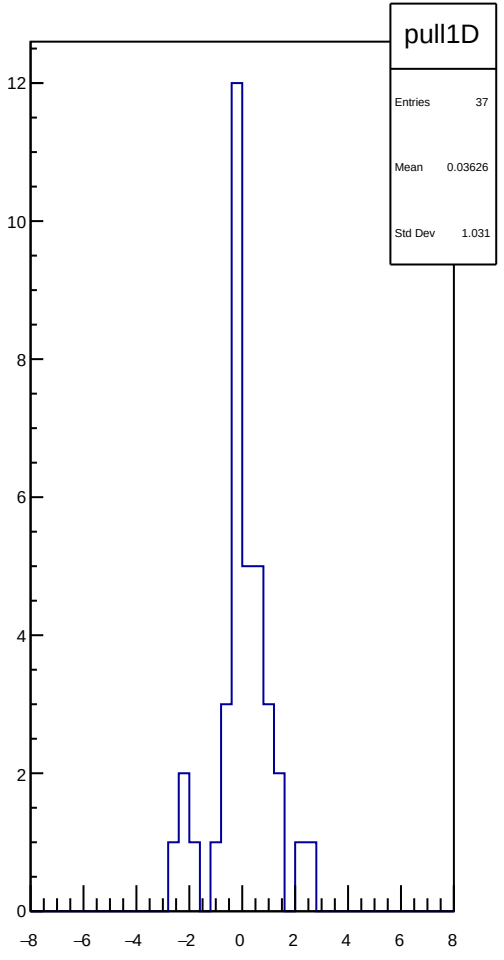

pull1D
Entries 37
Mean 0.06373
Std Dev 0.969

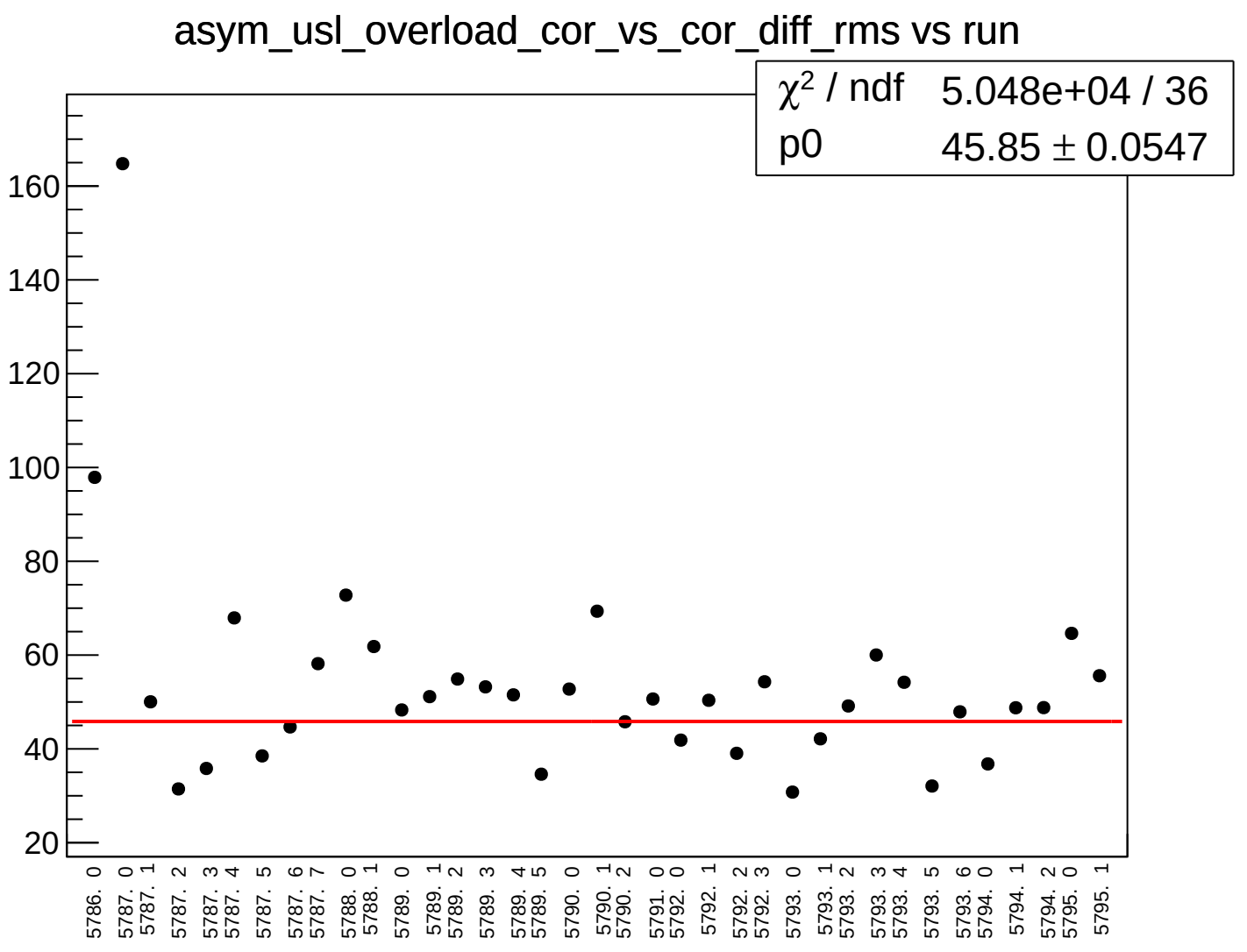

asym_usl_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 7.136e+04 / 36
p0 85.83 ± 0.104
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

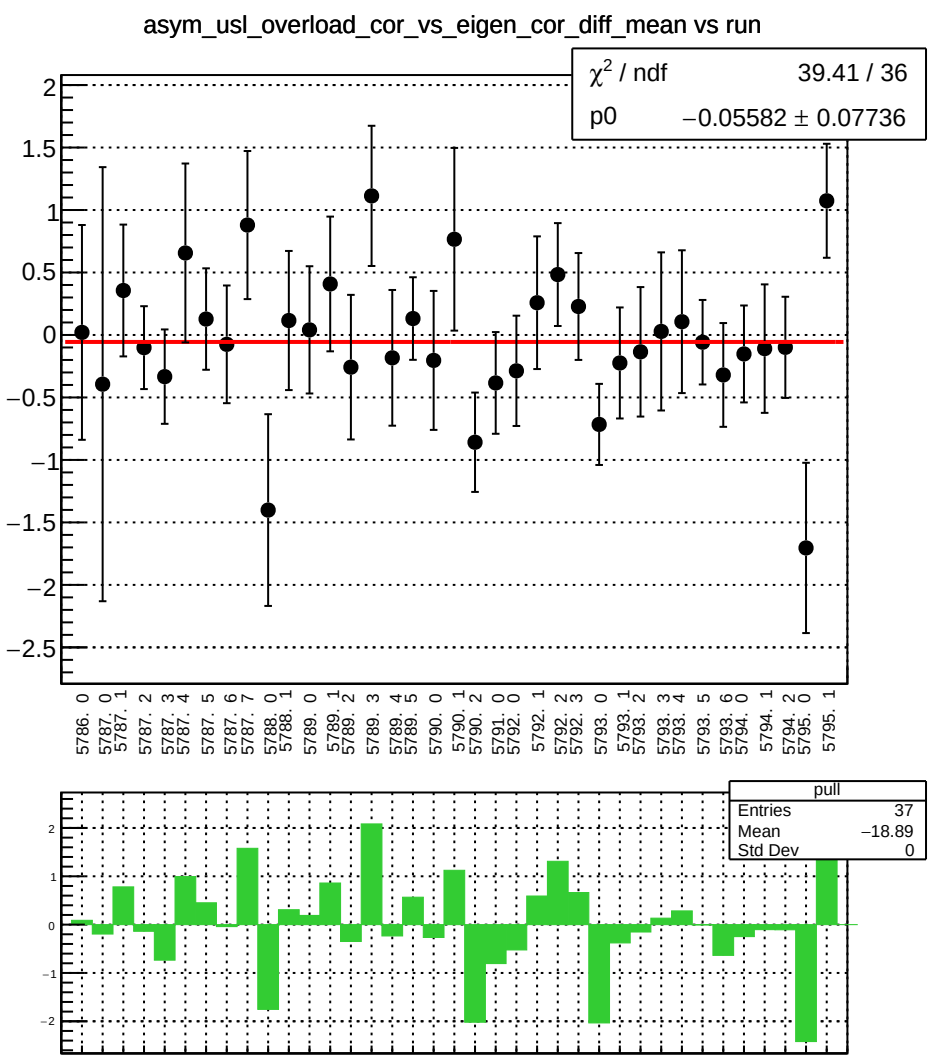

asym_usl_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 60.6 / 36
p0 −1.97e−13 ± 9.502e−14
pull
Entries 37
Mean 17.45
Std Dev 0
pull1D
Entries 37
Mean −0.1518
Std Dev 1.271

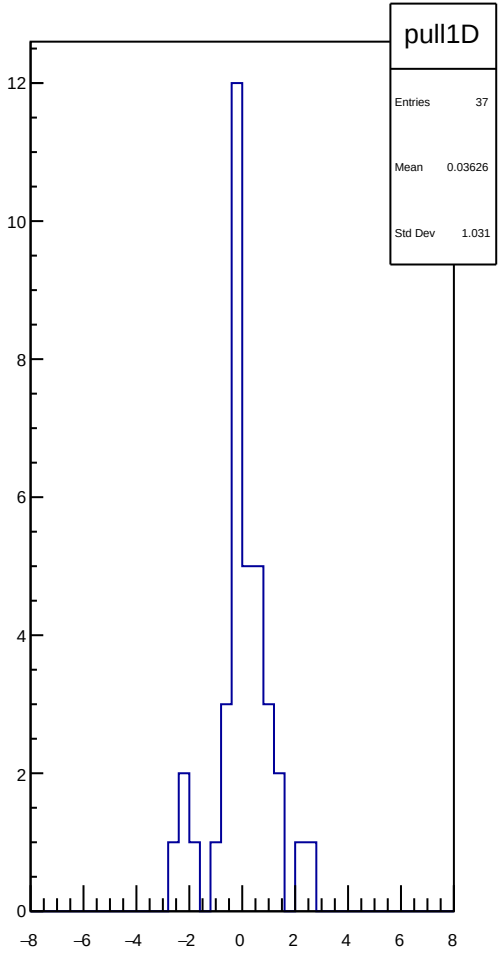

asym_usl_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.013e+05 / 36
p0 4.991e−11 ± 6.719e−14
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

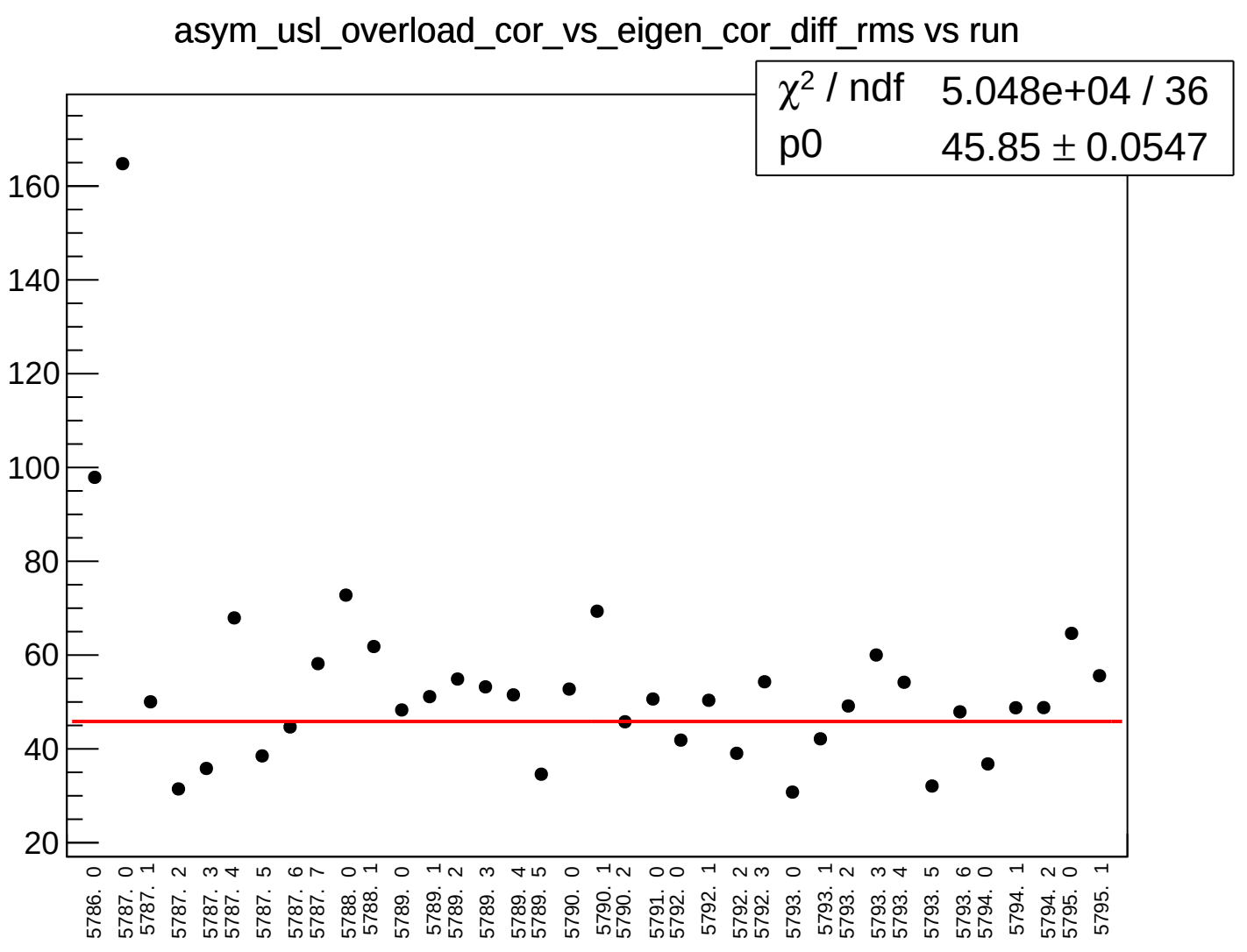

asym_usl_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 39.41 / 36
p0 −0.05582 ± 0.07736
pull
Entries 37
Mean −18.89
Std Dev 0

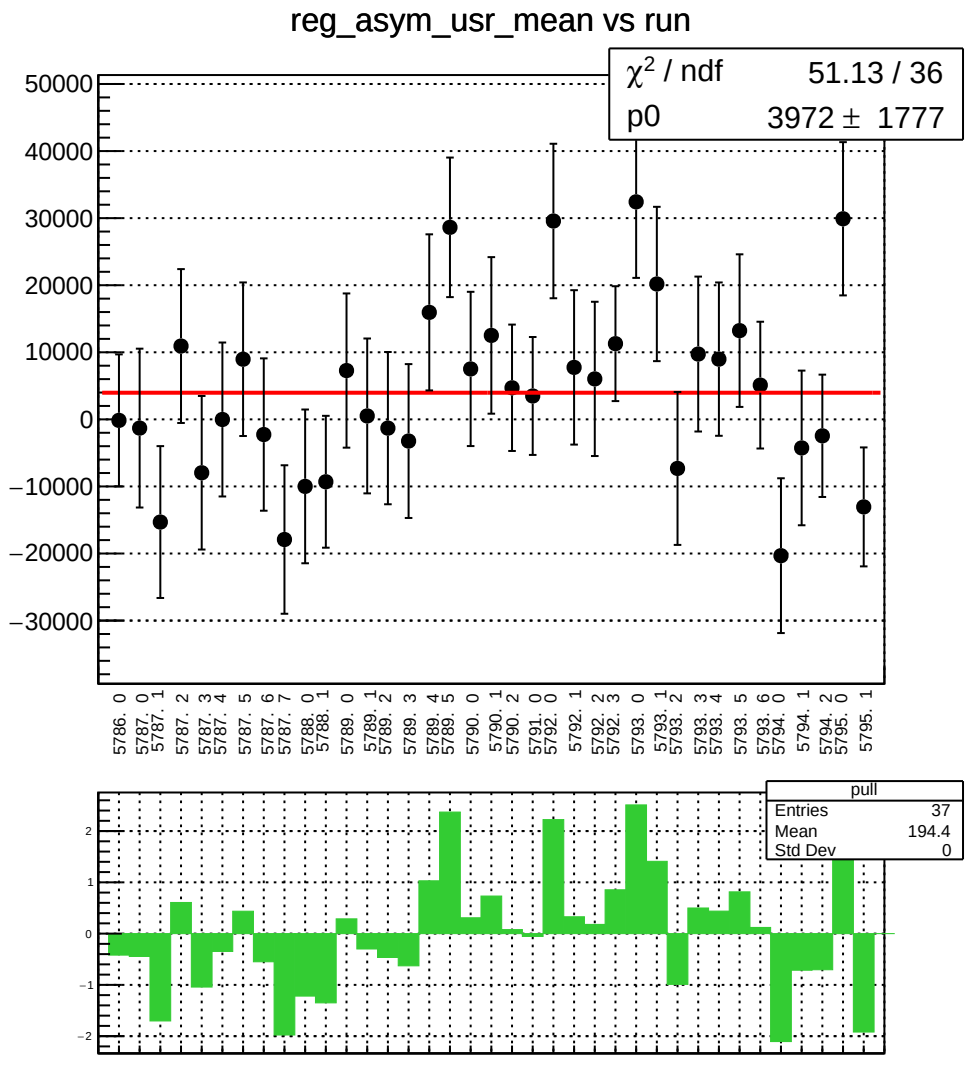

pull1D
Entries 37
Mean 0.03626
Std Dev 1.031

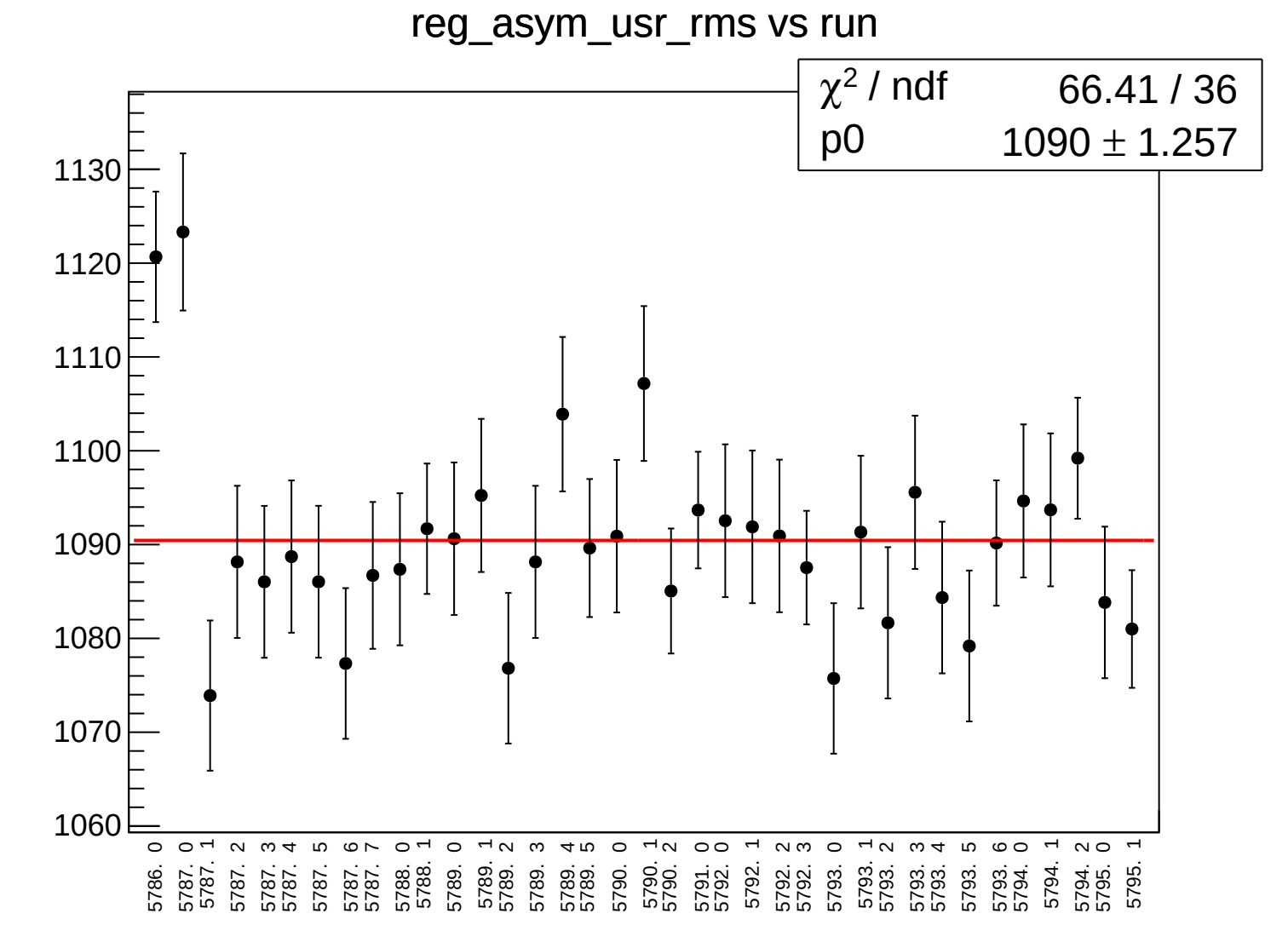

asym_usl_overload_cor_vs_cor_diff_rms vs run
χ² / ndf 5.048e+04 / 36
p0 45.85 ± 0.0547
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

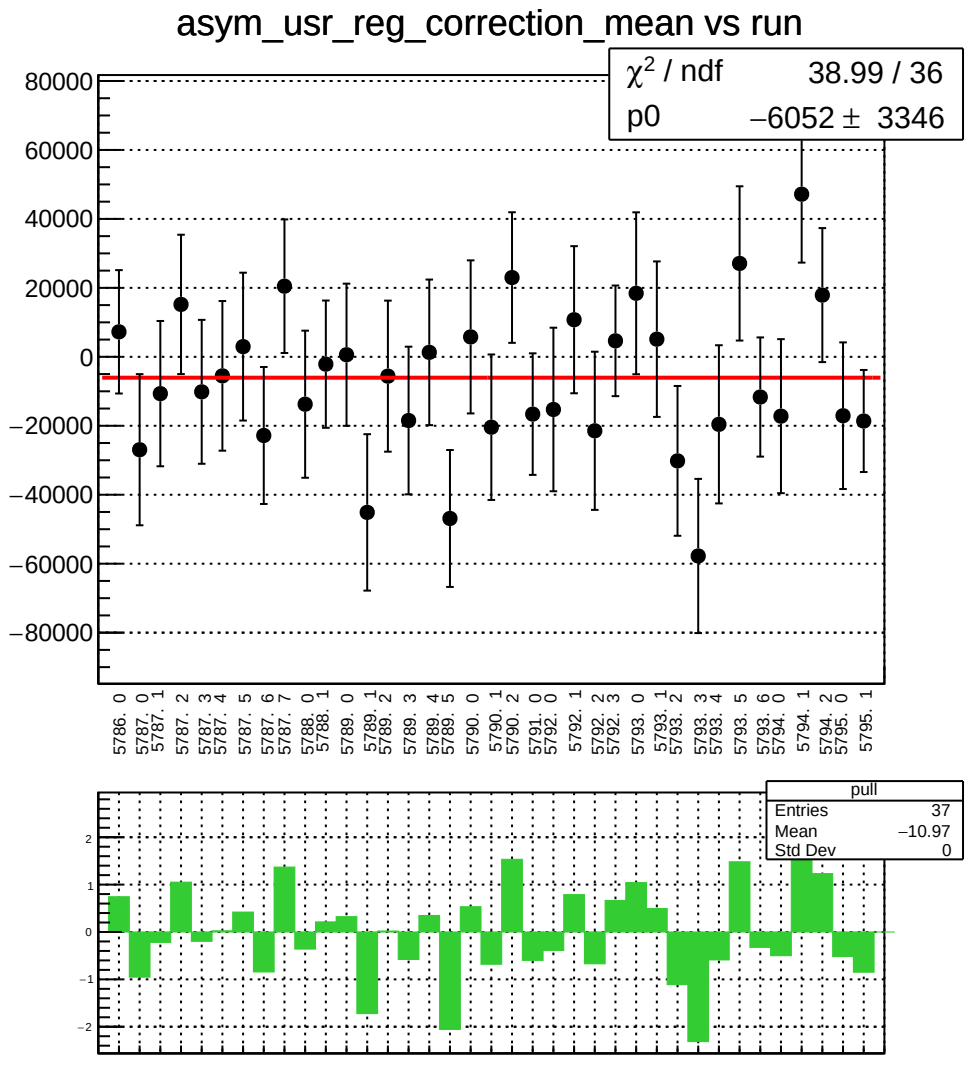

asym_usl_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.41 / 36
p0 −0.05582 ± 0.07736
pull
Entries 37
Mean −18.89
Std Dev 0

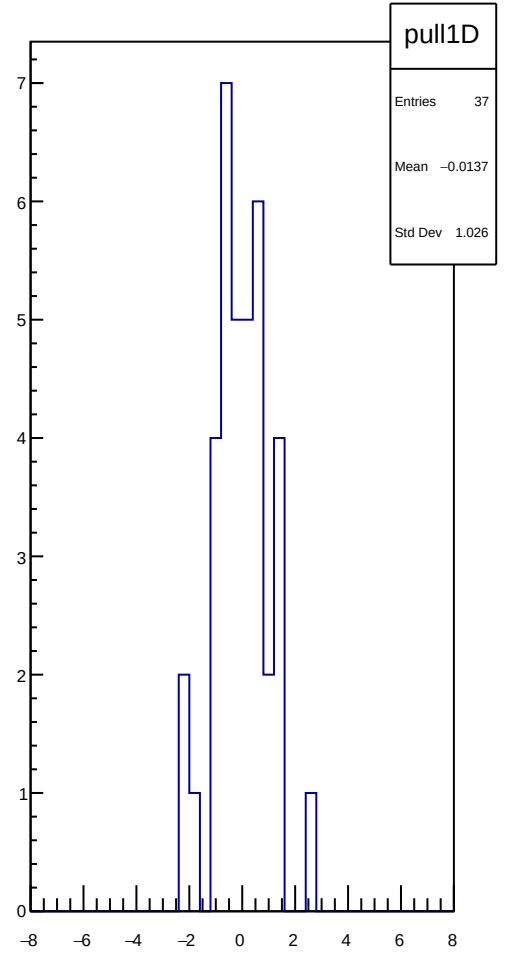

pull1D
Entries 37
Mean 0.03626
Std Dev 1.031

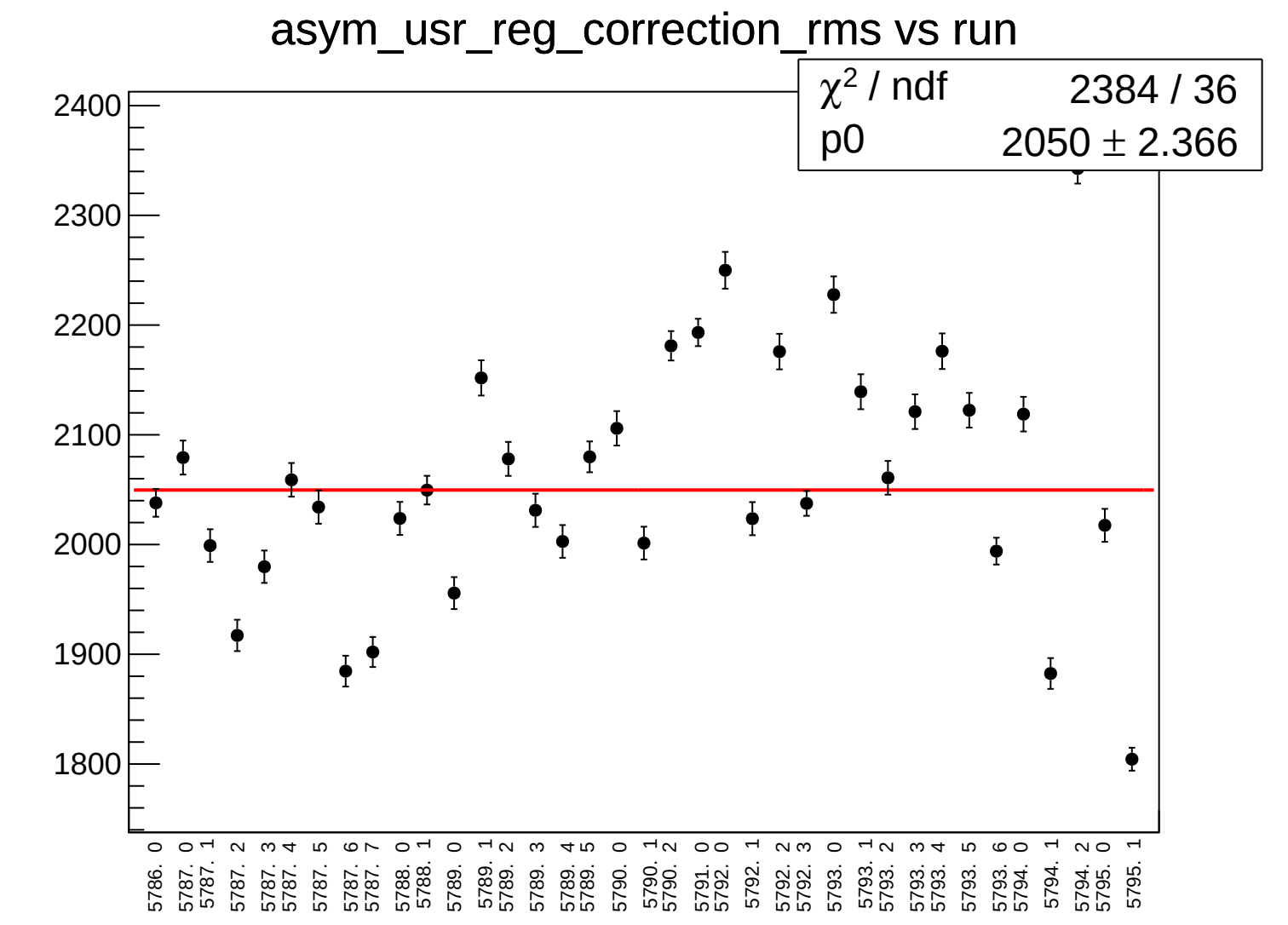

asym_usl_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.048e+04 / 36
p0 45.85 ± 0.0547
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_usr_mean vs run
χ² / ndf 51.13 / 36
p0 3972 ± 1777
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 194.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01518
Std Dev 1.175
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_usr_rms vs run
χ² / ndf 66.41 / 36
p0 1090 ± 1.257
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_reg_correction_mean vs run
χ² / ndf 38.99 / 36
p0 −6052 ± 3346
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.97
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.0137
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_reg_correction_rms vs run
χ² / ndf 2384 / 36
p0 2050 ± 2.366
2400
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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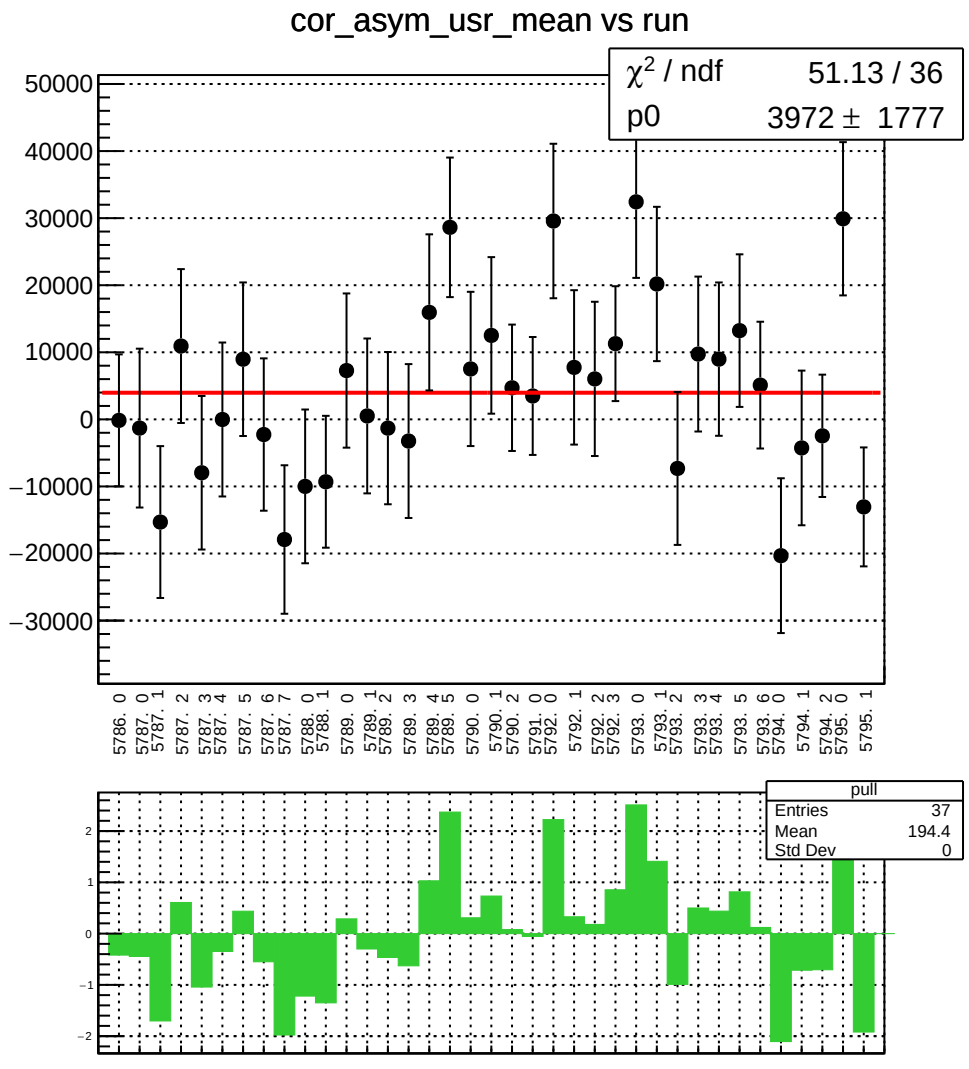
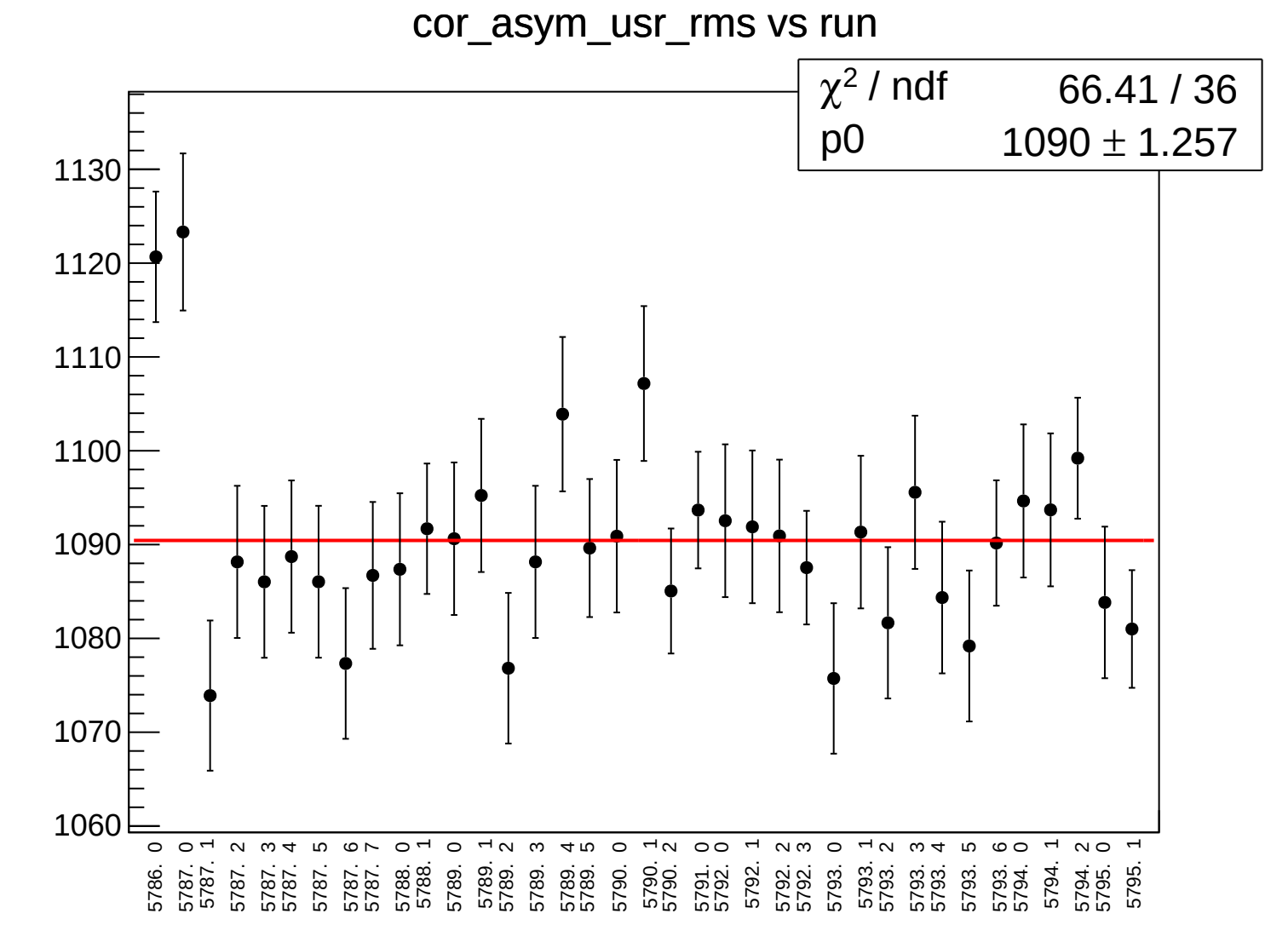
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_usr_mean vs run
χ² / ndf 51.13 / 36
p0 3972 ± 1777
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 194.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01518
Std Dev 1.175
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_rms vs run
χ² / ndf 66.41 / 36
p0 1090 ± 1.257
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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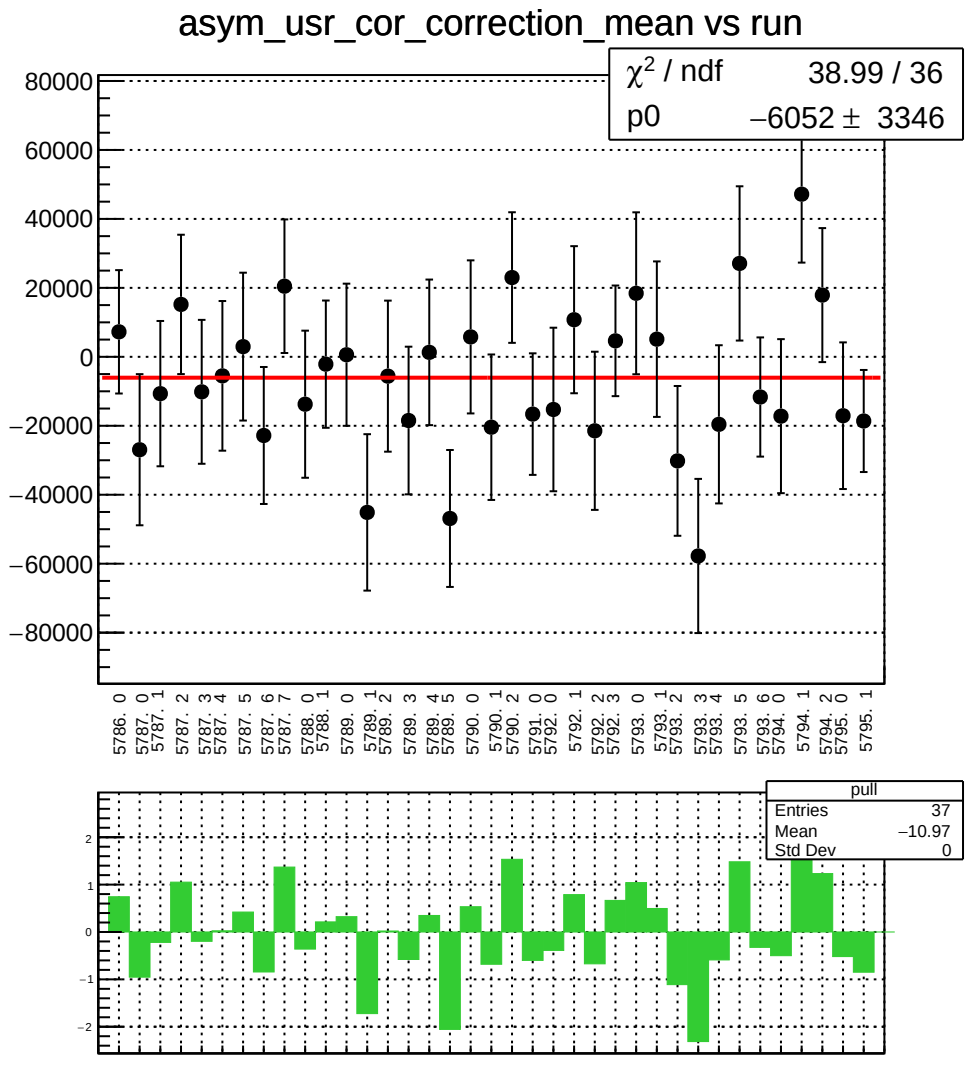
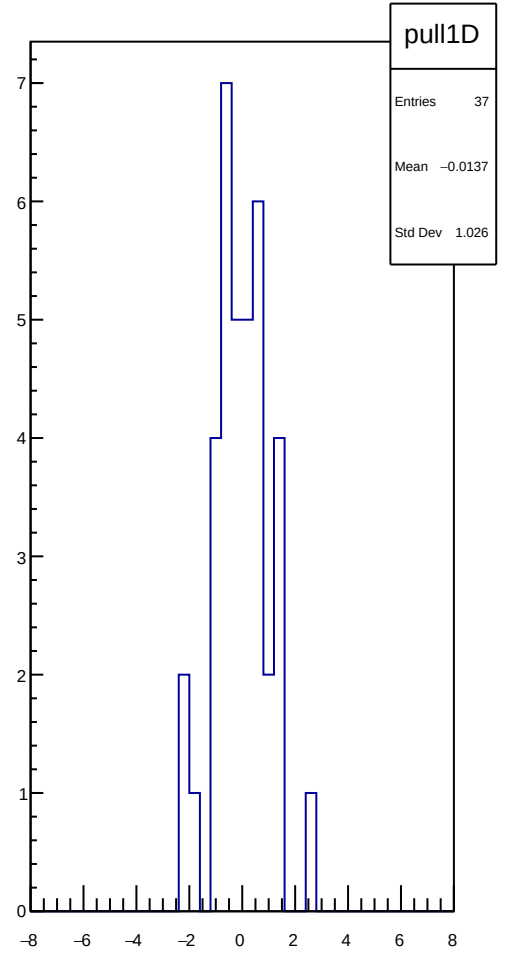
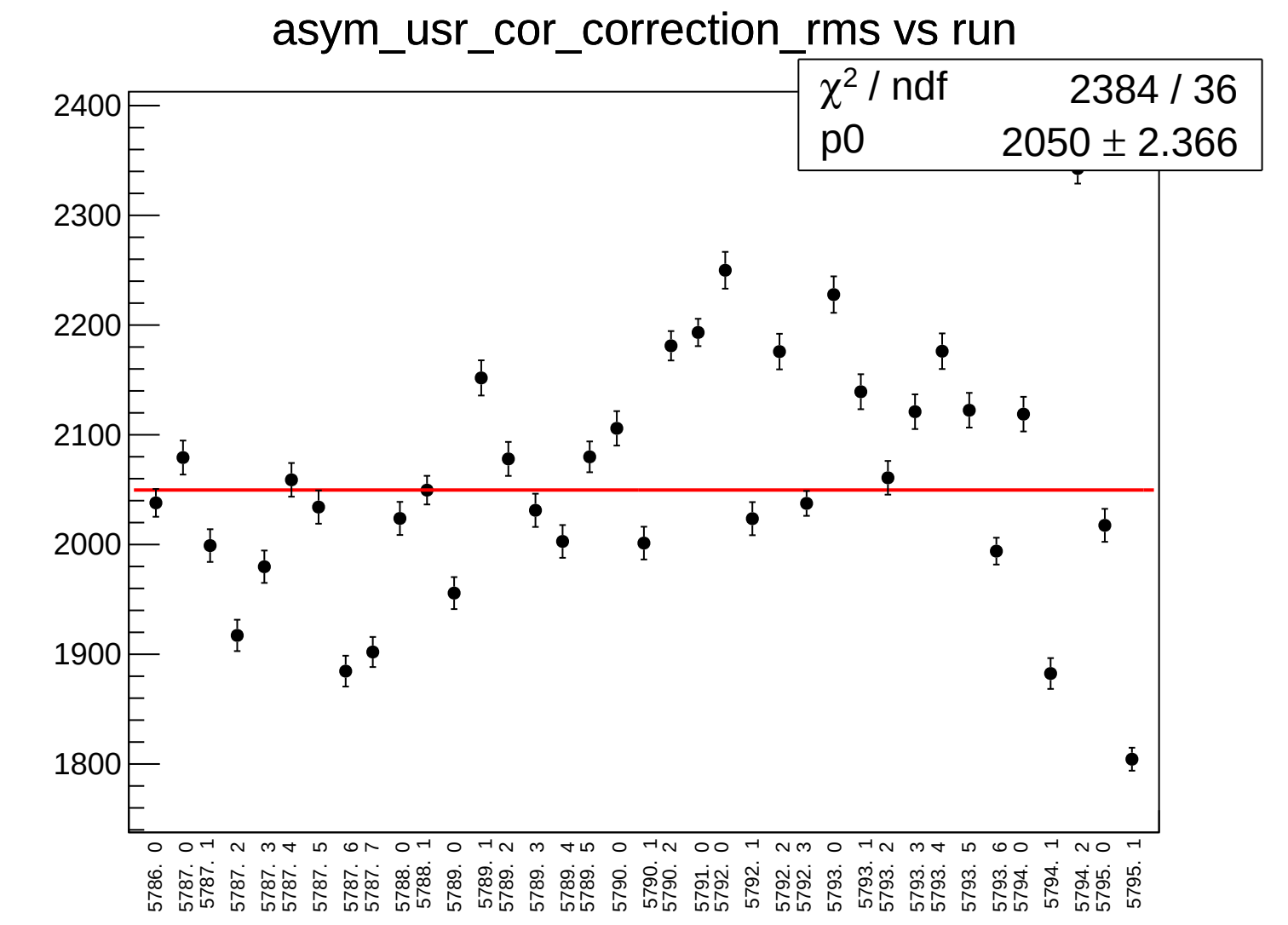
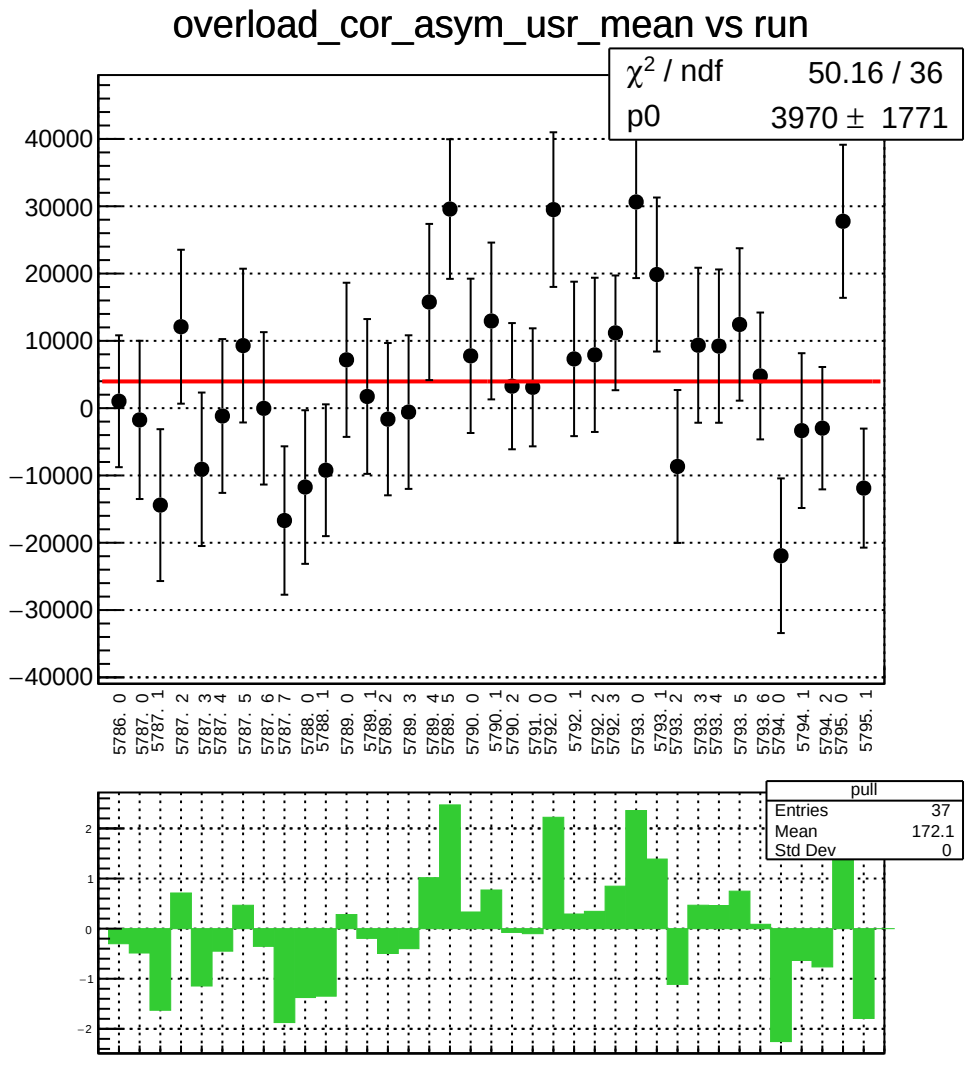
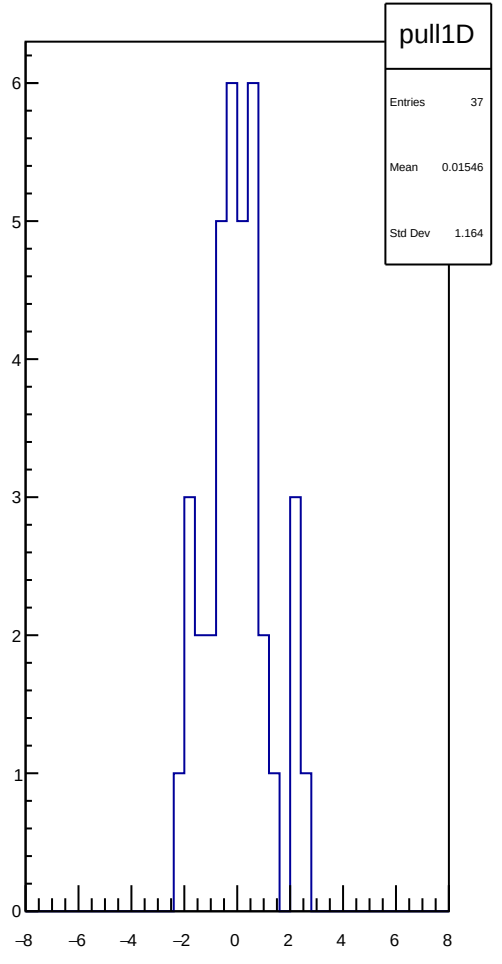
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

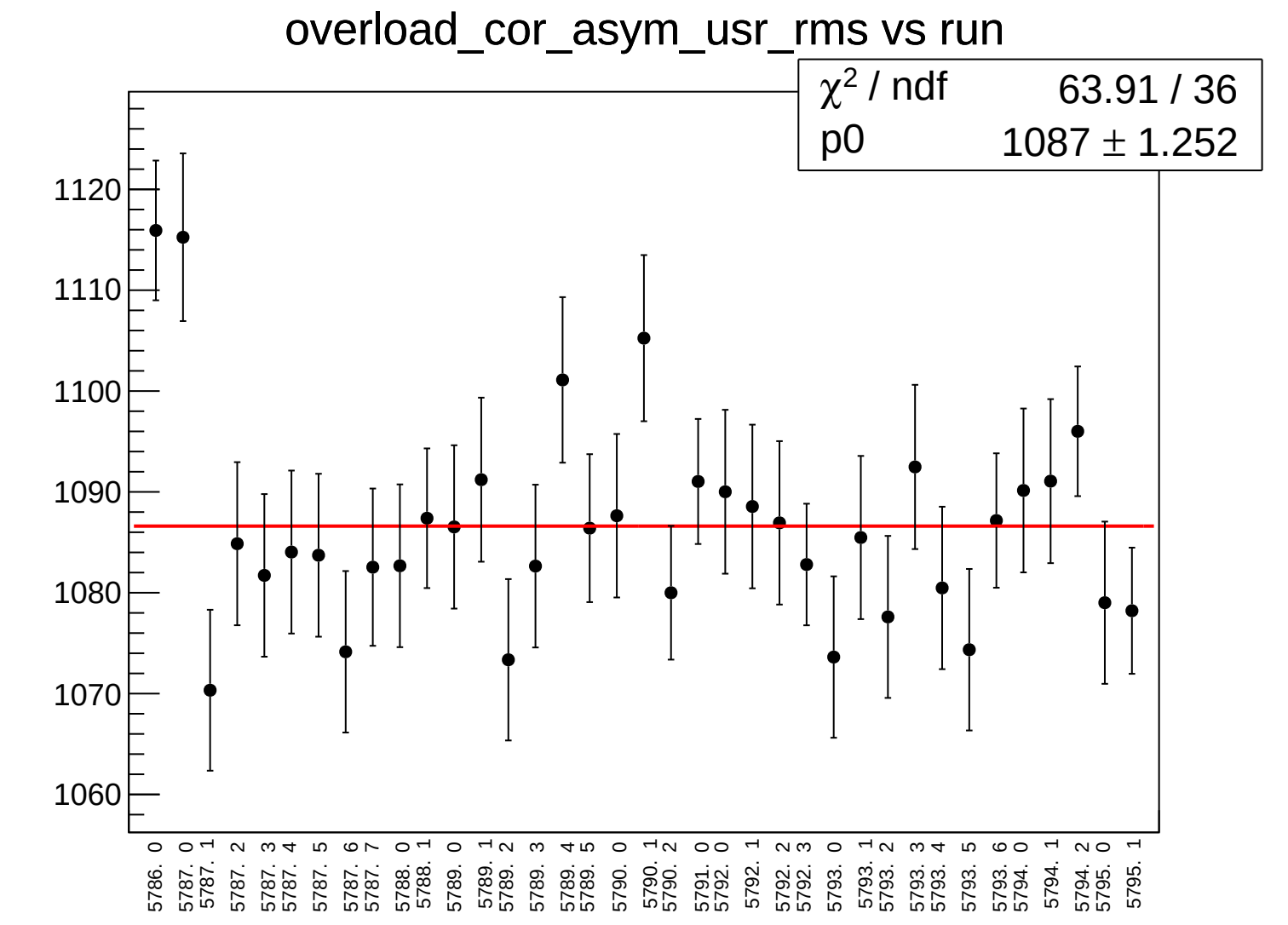

asym_usr_cor_correction_mean vs run
χ² / ndf 38.99 / 36
p0 −6052 ± 3346
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.97
Std Dev 0
2
1
0
−1
−2

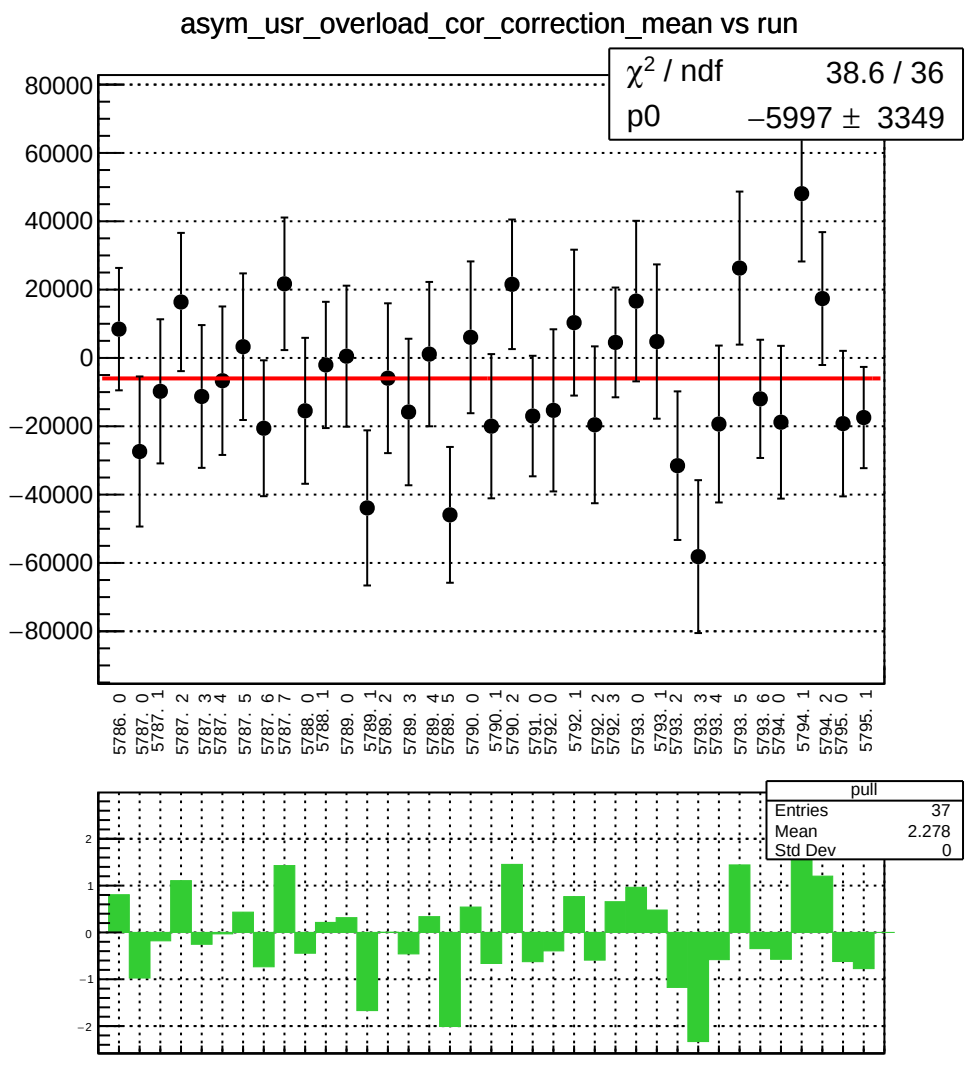

pull1D
Entries 37
Mean −0.0137
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

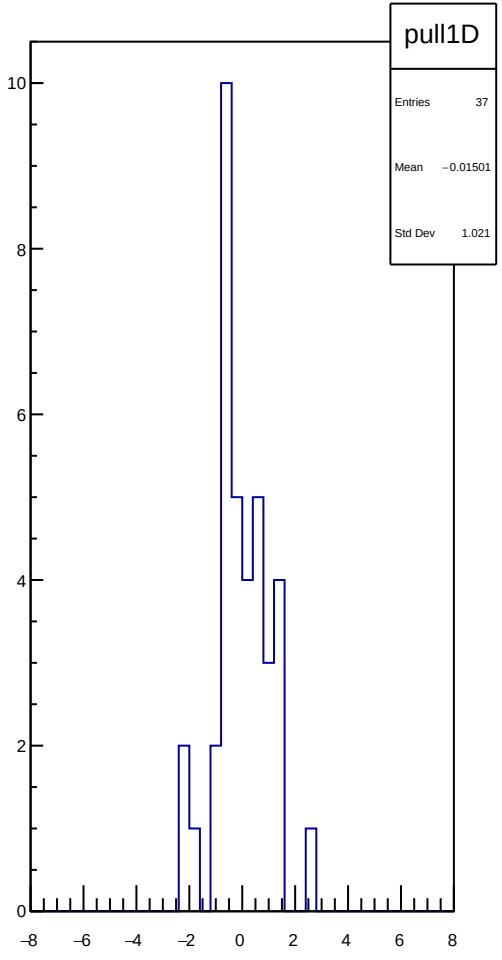

asym_usr_cor_correction_rms vs run
χ² / ndf 2384 / 36
p0 2050 ± 2.366
2400
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

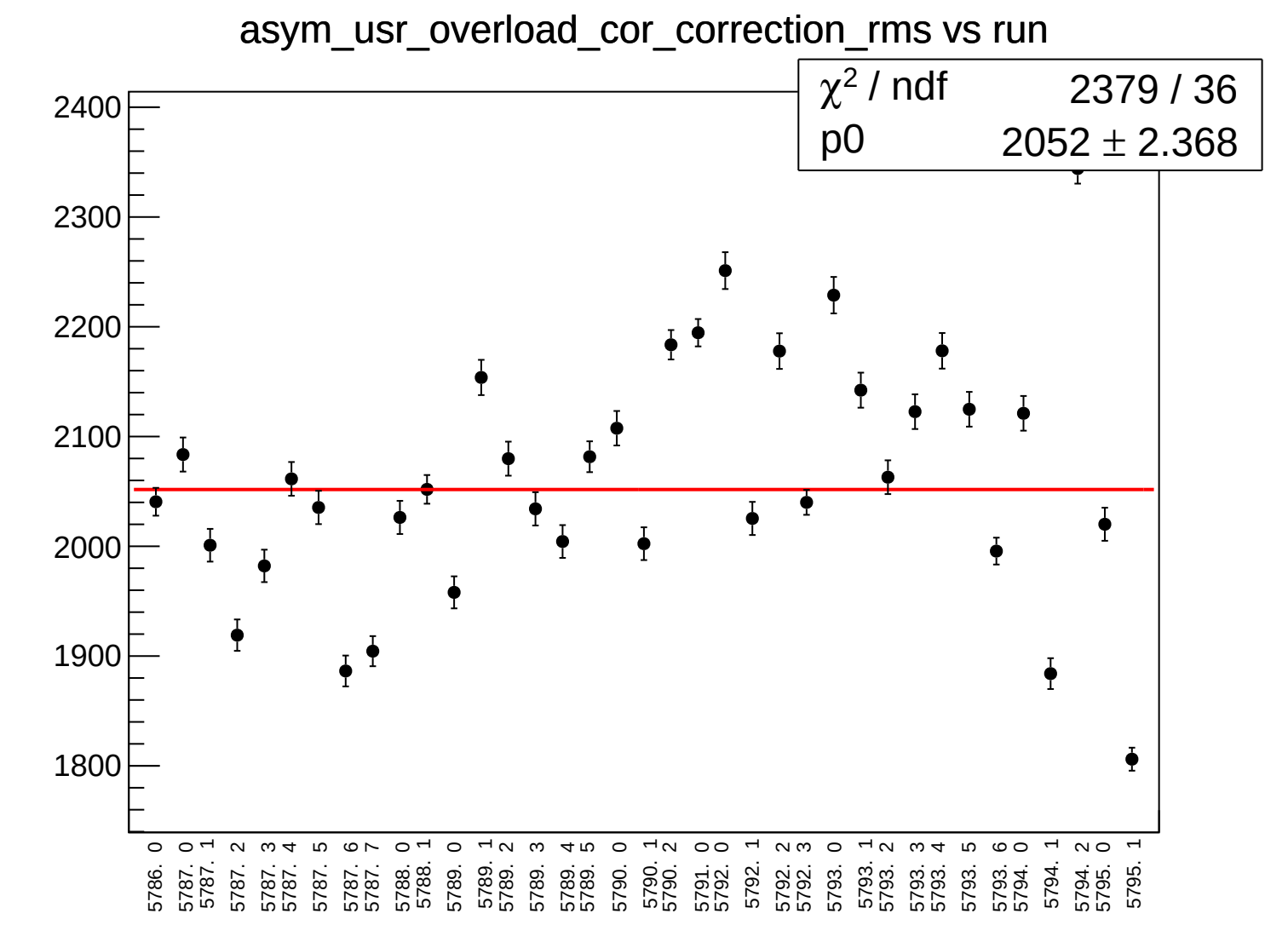

overload_cor_asym_usr_mean vs run
χ² / ndf 50.16 / 36
p0 3970 ± 1771
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 172.1
Std Dev 0
2
1
0
−1
−2

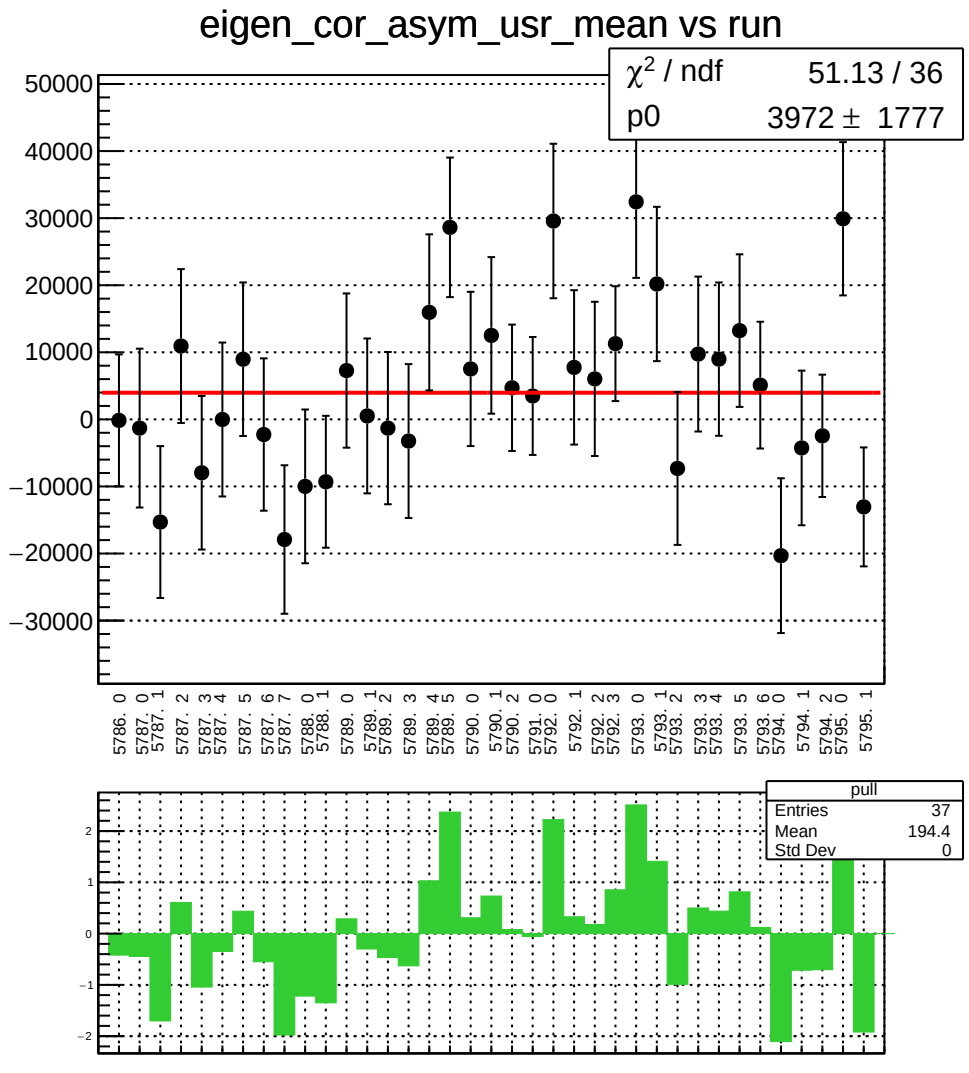

pull1D
Entries 37
Mean 0.01546
Std Dev 1.164
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

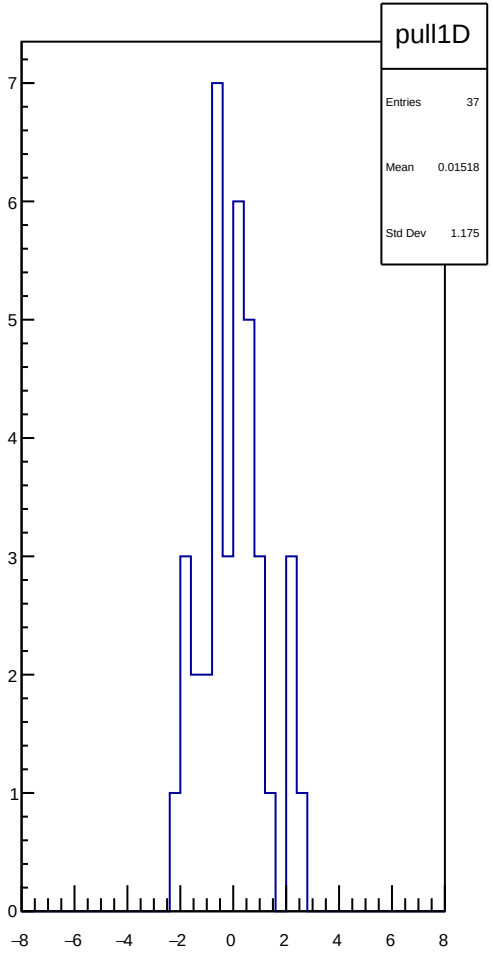

overload_cor_asym_usr_rms vs run
χ² / ndf 63.91 / 36
p0 1087 ± 1.252
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

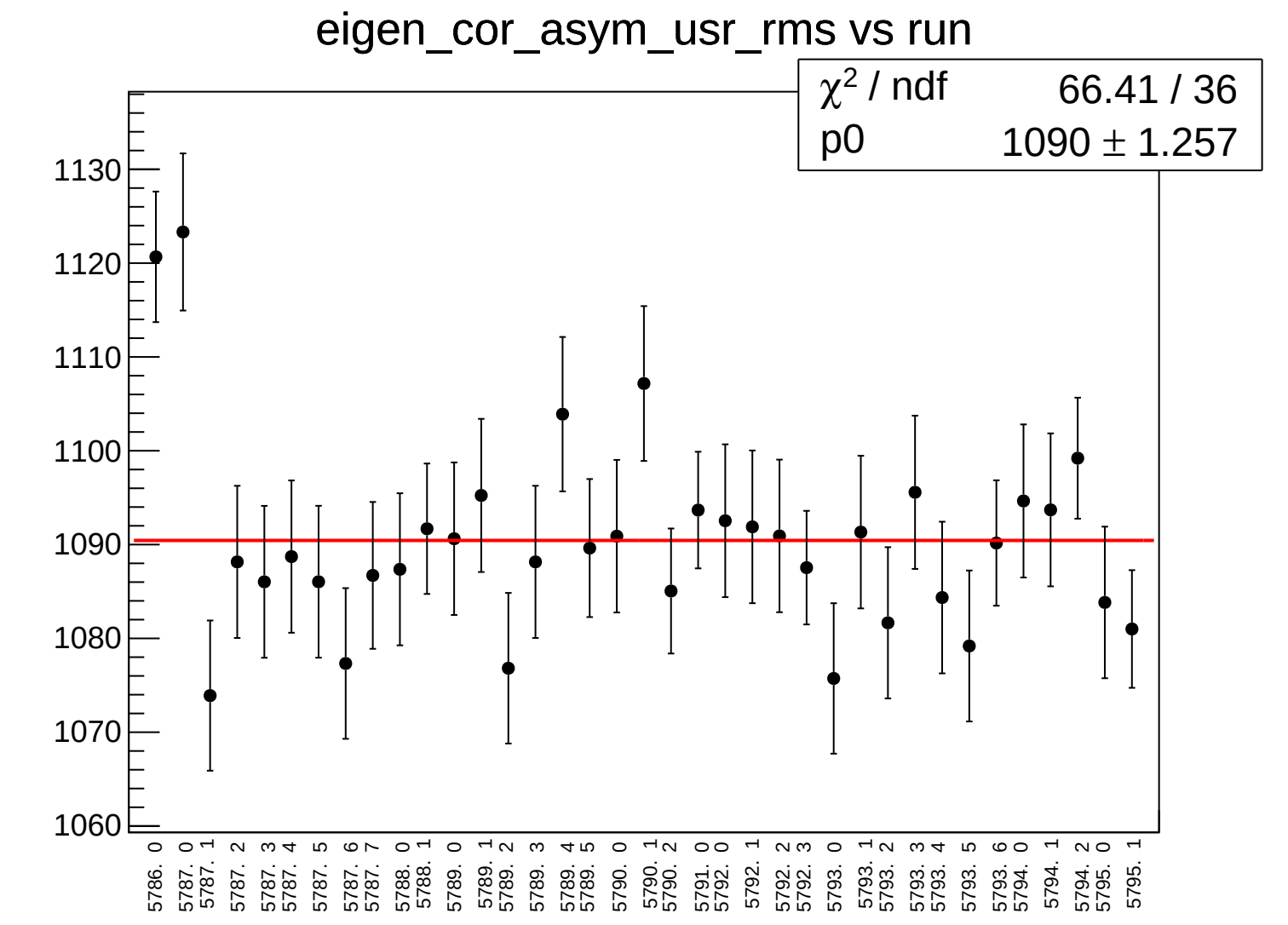

asym_usr_overload_cor_correction_mean vs run
χ² / ndf 38.6 / 36
p0 −5997 ± 3349
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2.278
Std Dev 0
2
1
0
−1
−2

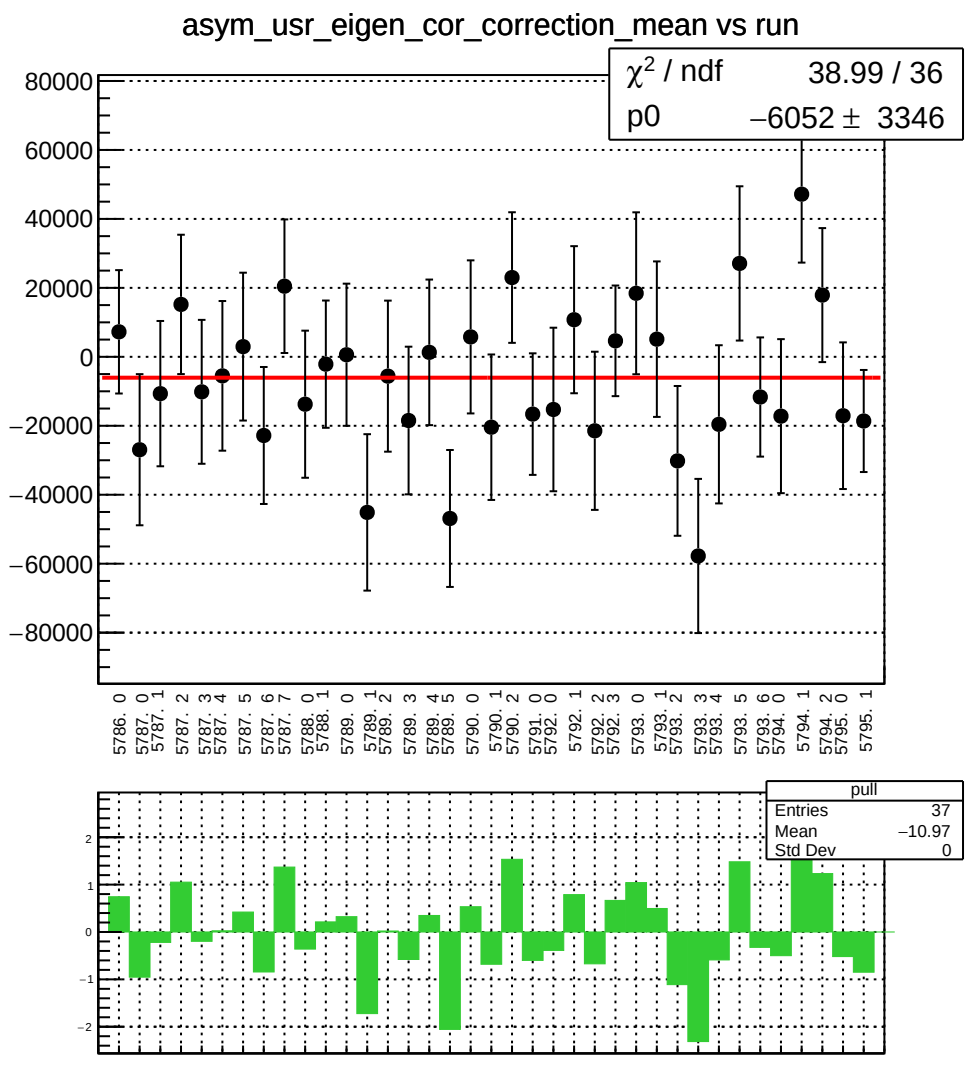

pull1D
Entries 37
Mean −0.01501
Std Dev 1.021
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

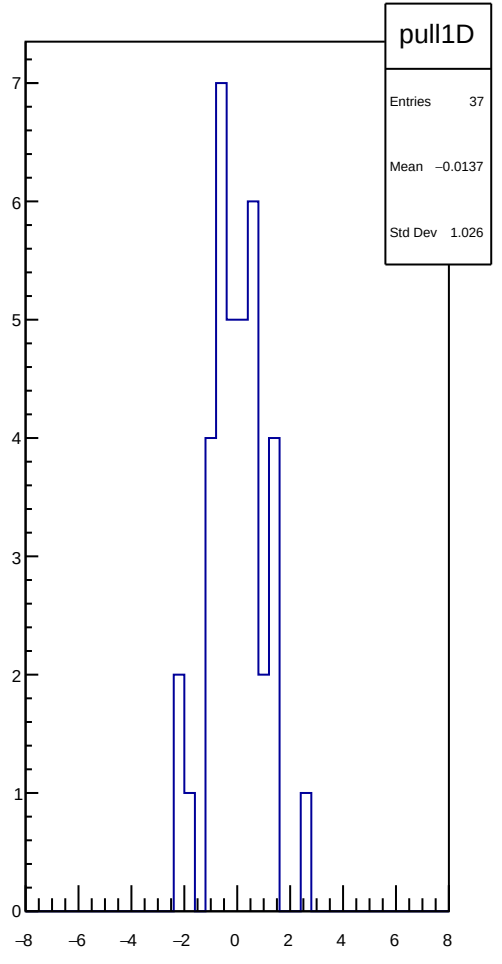

asym_usr_overload_cor_correction_rms vs run
χ² / ndf 2379 / 36
p0 2052 ± 2.368
2400
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

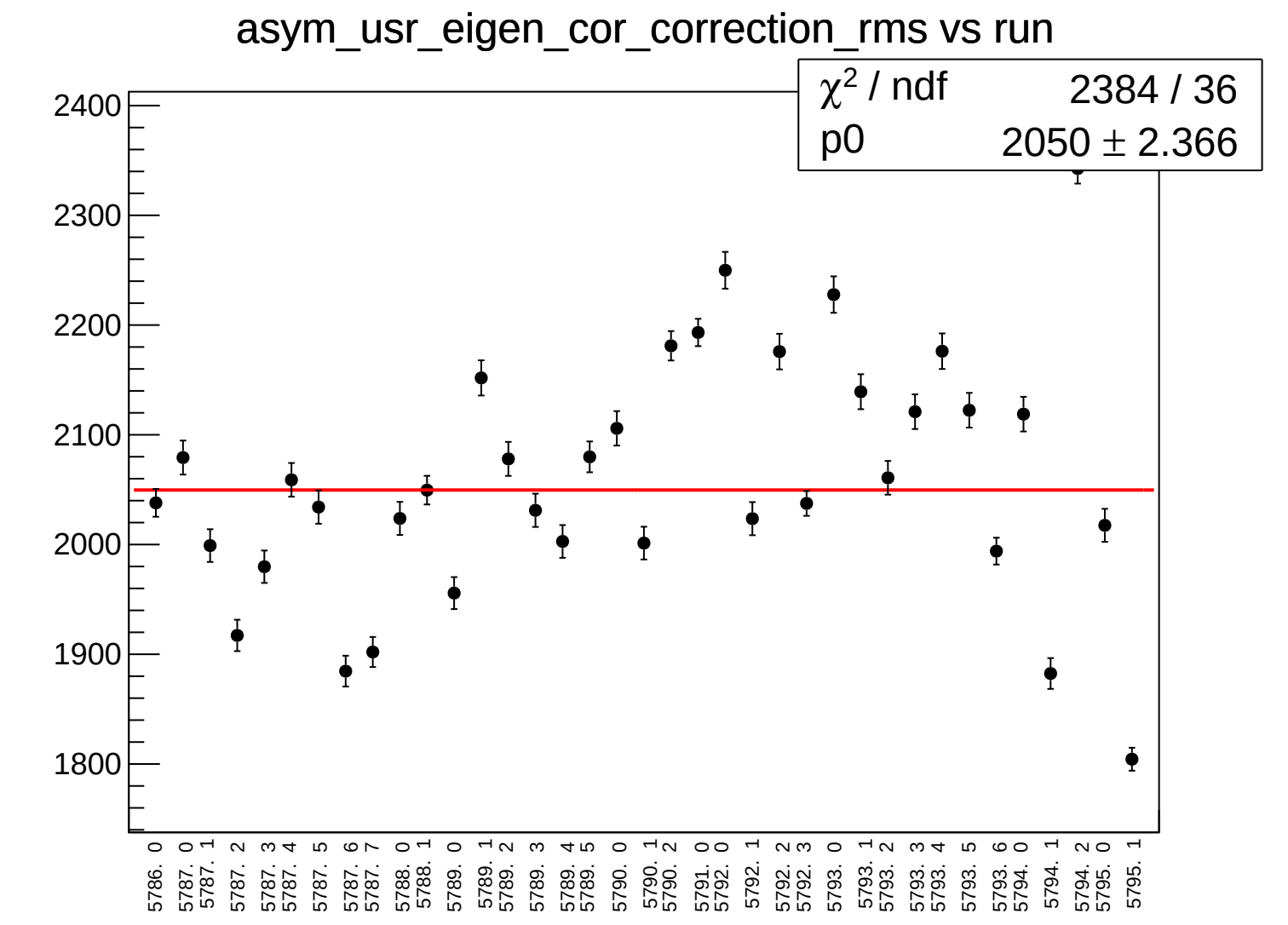

eigen_cor_asym_usr_mean vs run
χ² / ndf 51.13 / 36
p0 3972 ± 1777
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 194.4
Std Dev 0
2
1
0
−1
−2

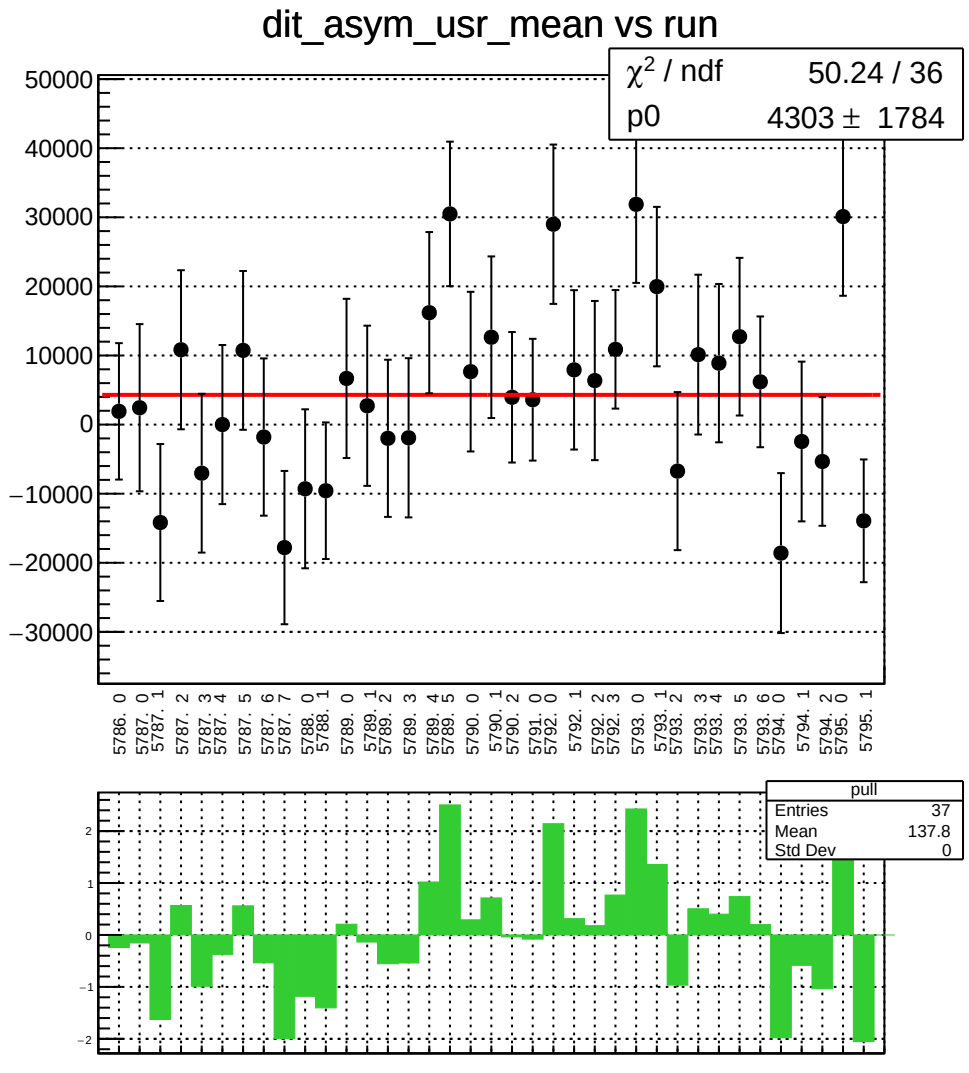

pull1D
Entries 37
Mean 0.01518
Std Dev 1.175
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

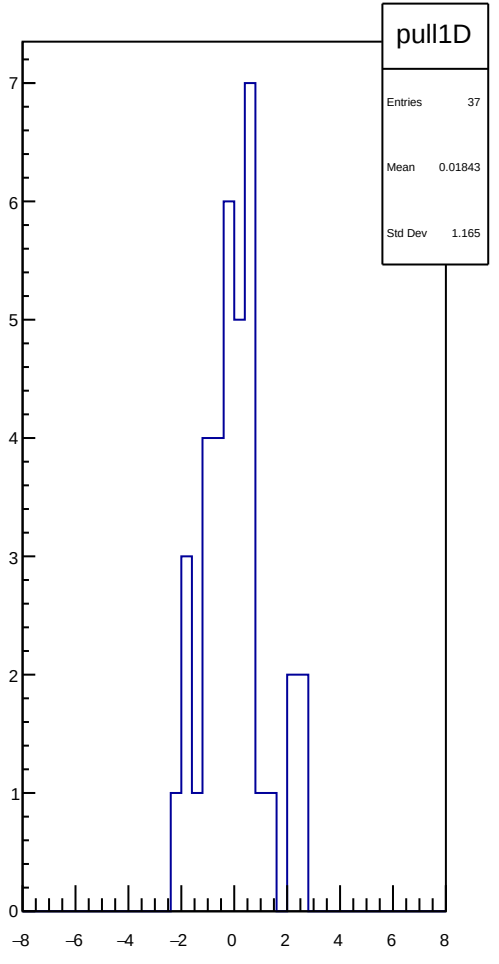

eigen_cor_asym_usr_rms vs run
χ² / ndf 66.41 / 36
p0 1090 ± 1.257
1130
1120
1110
1100
1090
1080
1070
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

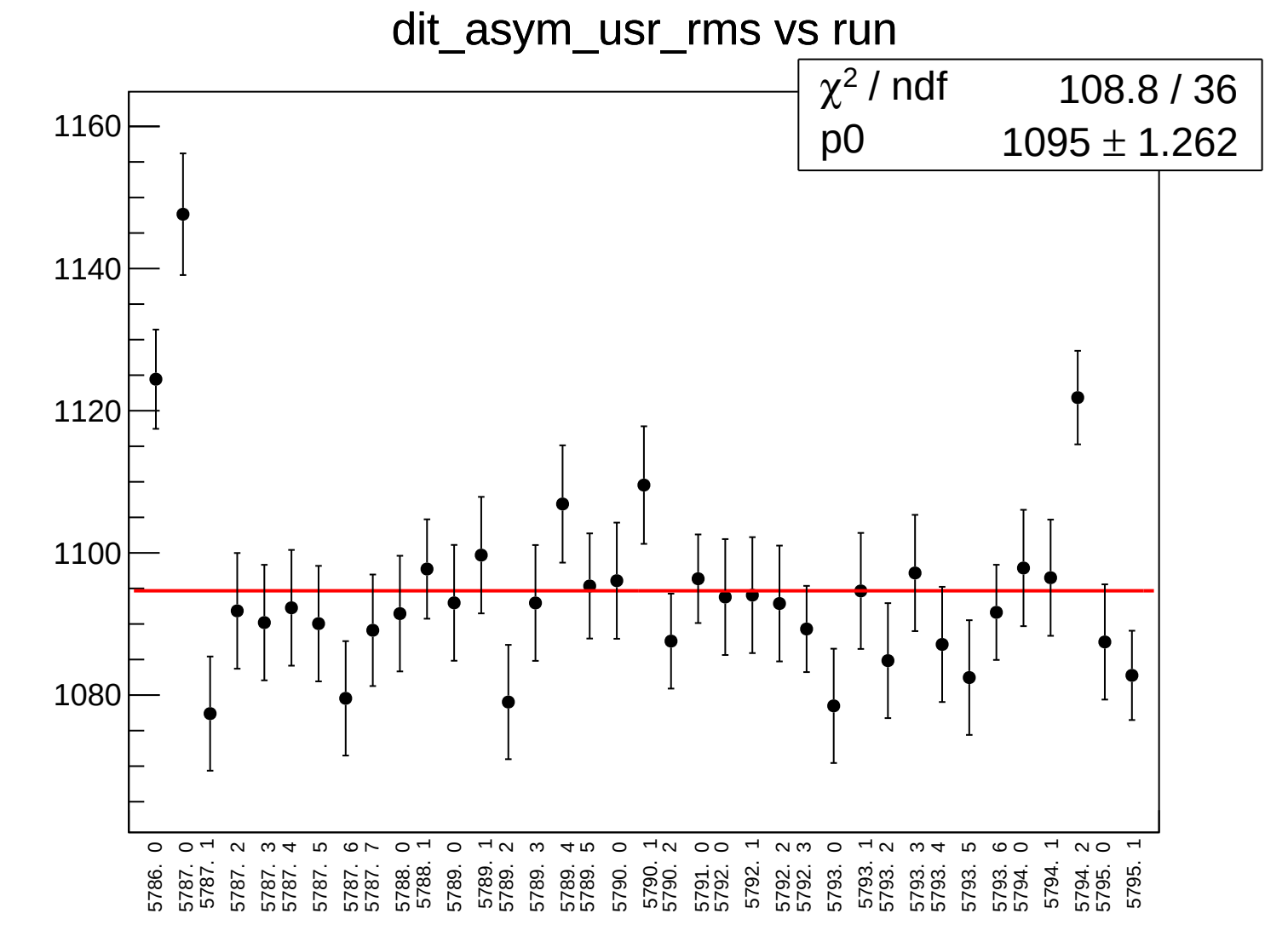

asym_usr_eigen_cor_correction_mean vs run
χ² / ndf 38.99 / 36
p0 −6052 ± 3346
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.97
Std Dev 0
2
1
0
−1
−2

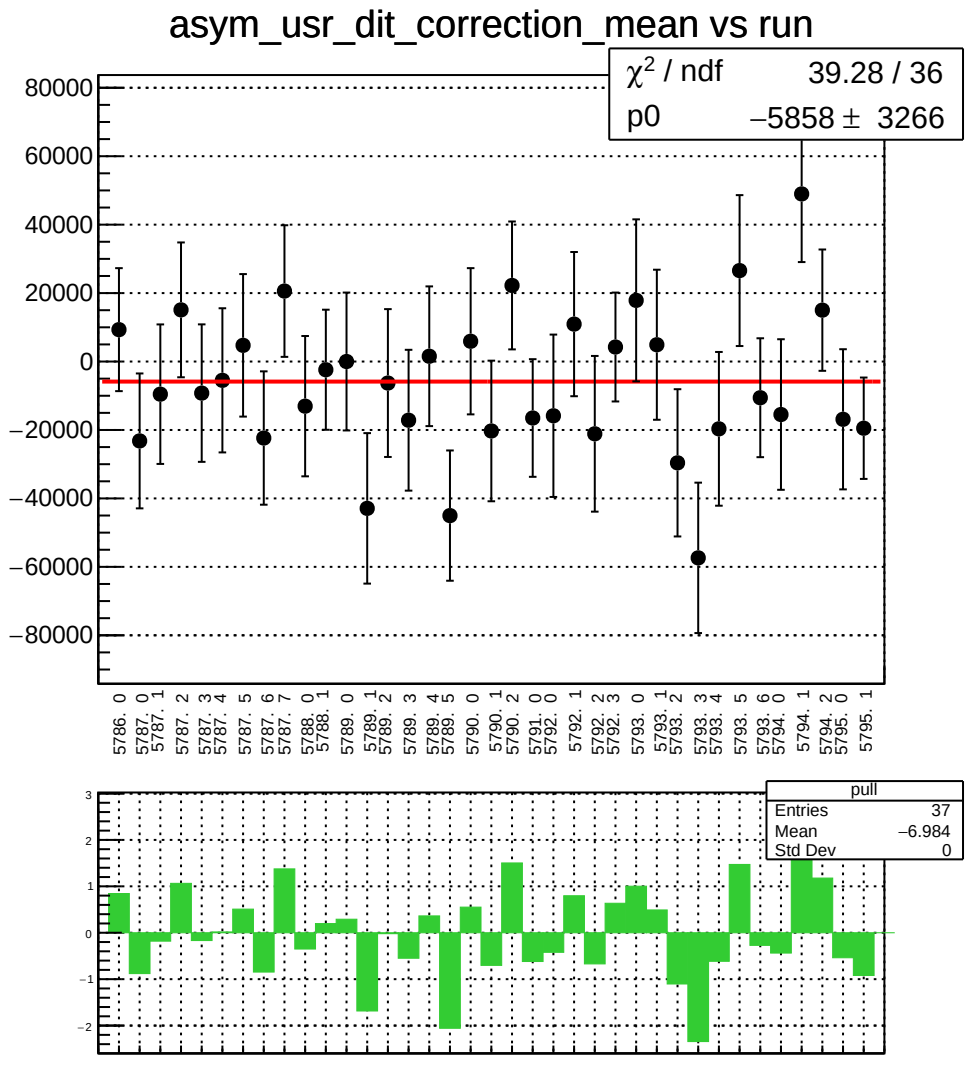

pull1D
Entries 37
Mean −0.0137
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

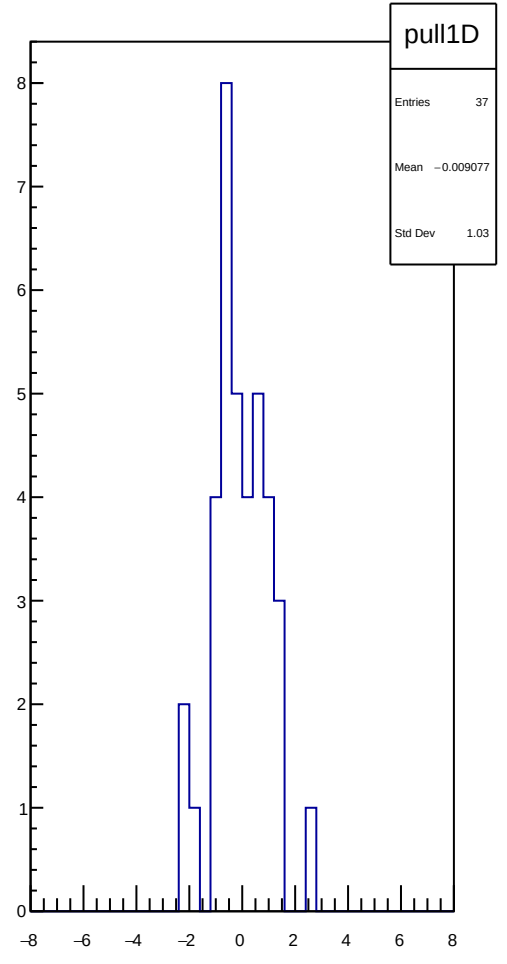

asym_usr_eigen_cor_correction_rms vs run
χ² / ndf 2384 / 36
p0 2050 ± 2.366
2400
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

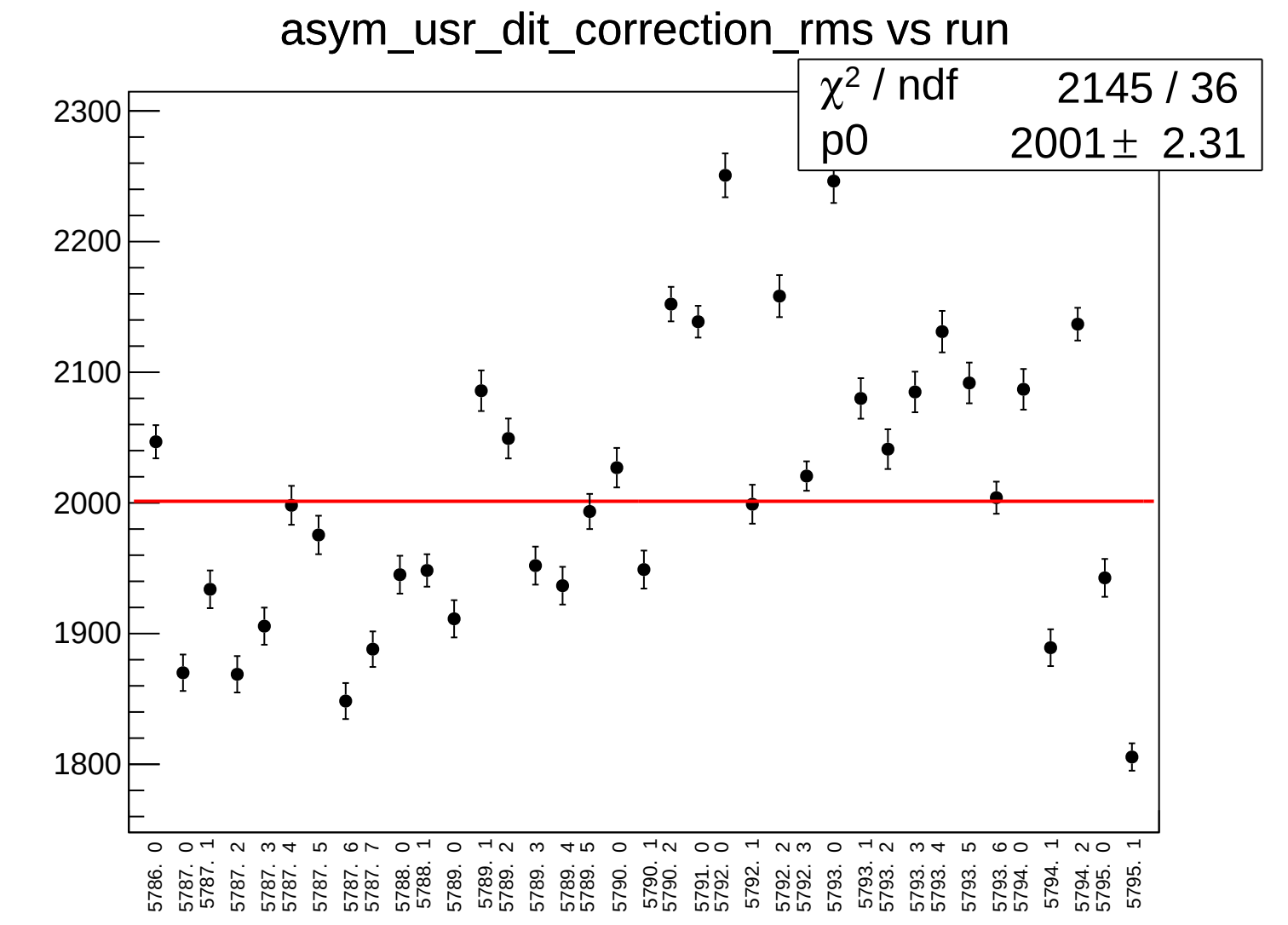

dit_asym_usr_mean vs run
χ² / ndf 50.24 / 36
p0 4303 ± 1784
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 137.8
Std Dev 0
2
1
0
−1
−2

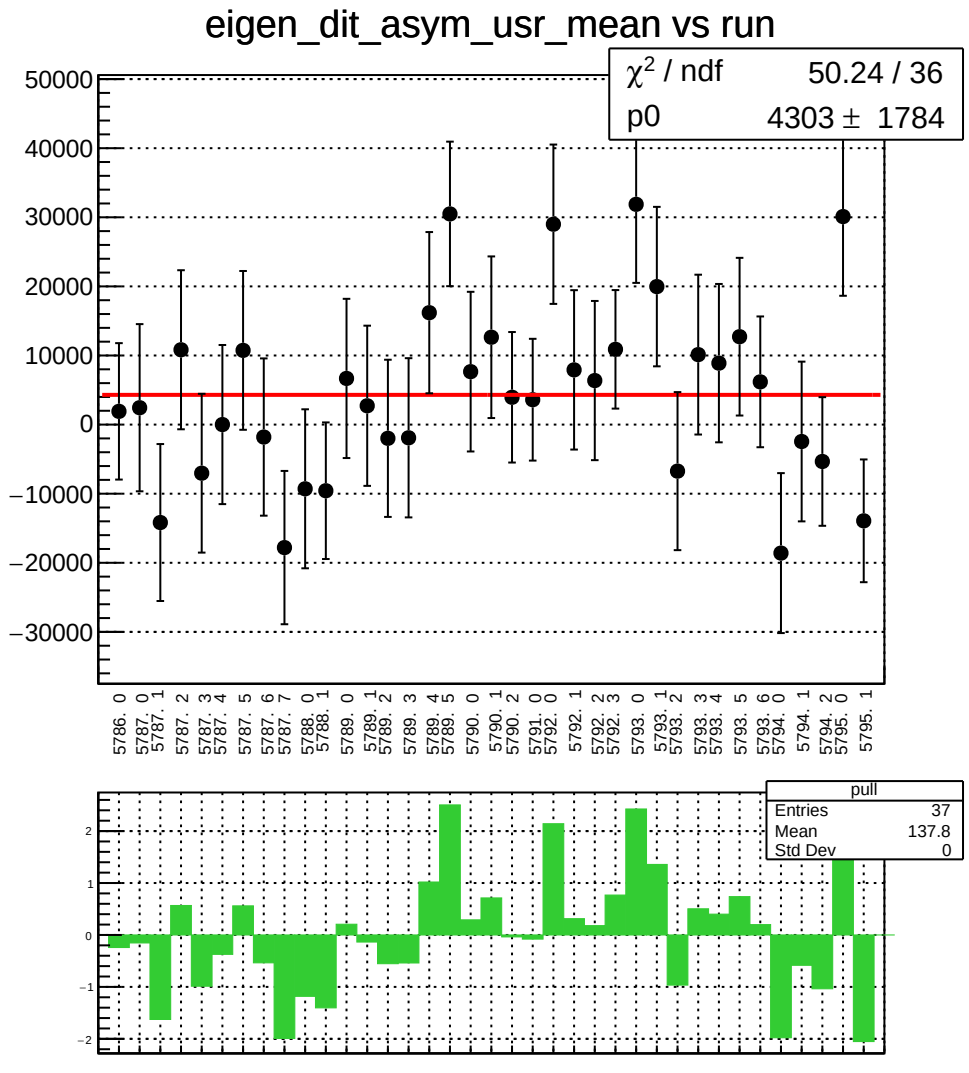

pull1D
Entries 37
Mean 0.01843
Std Dev 1.165
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

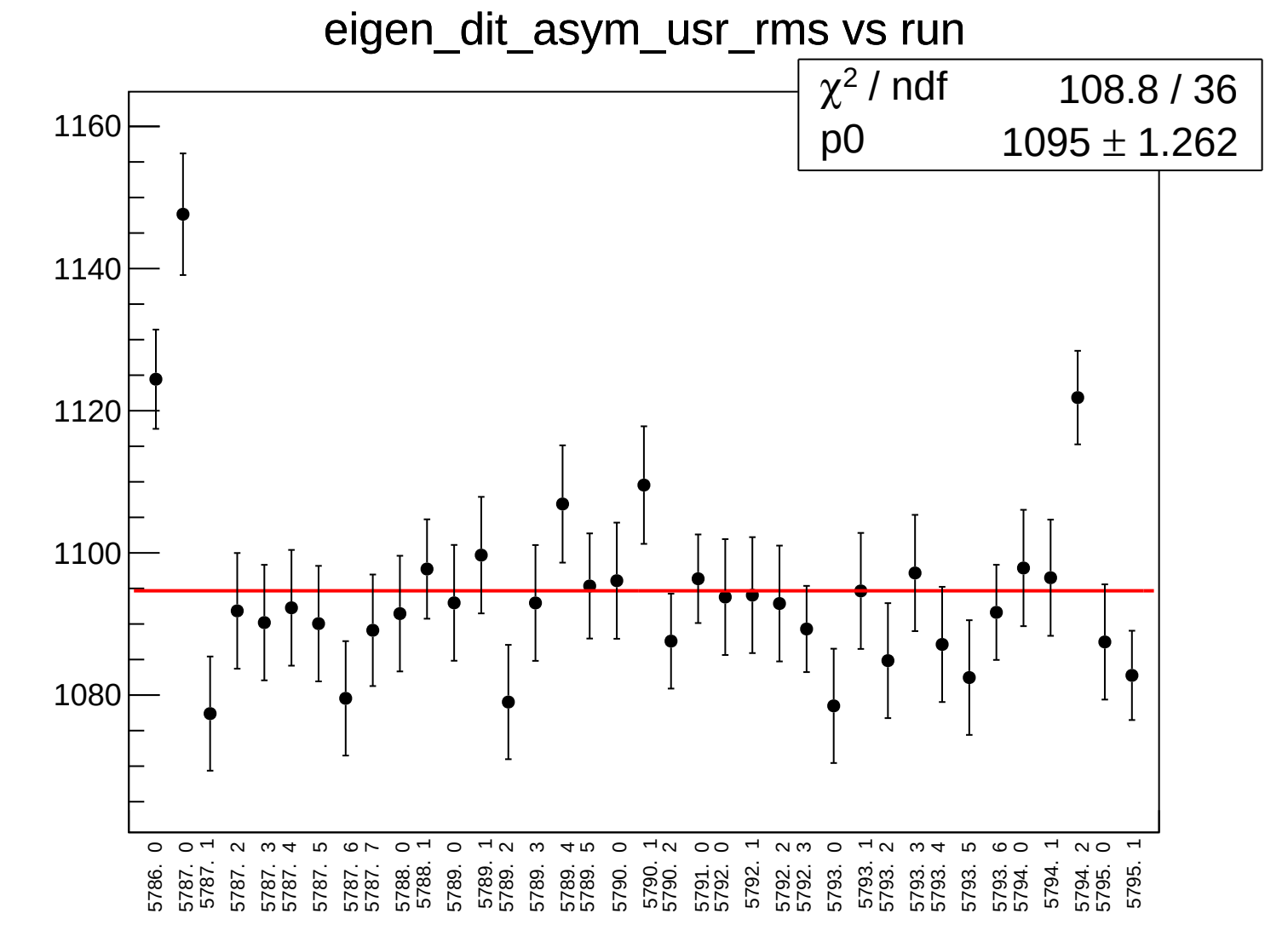

dit_asym_usr_rms vs run
χ^2 / ndf 108.8 / 36
p0 1095 ± 1.262
1160
1140
1120
1100
1080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

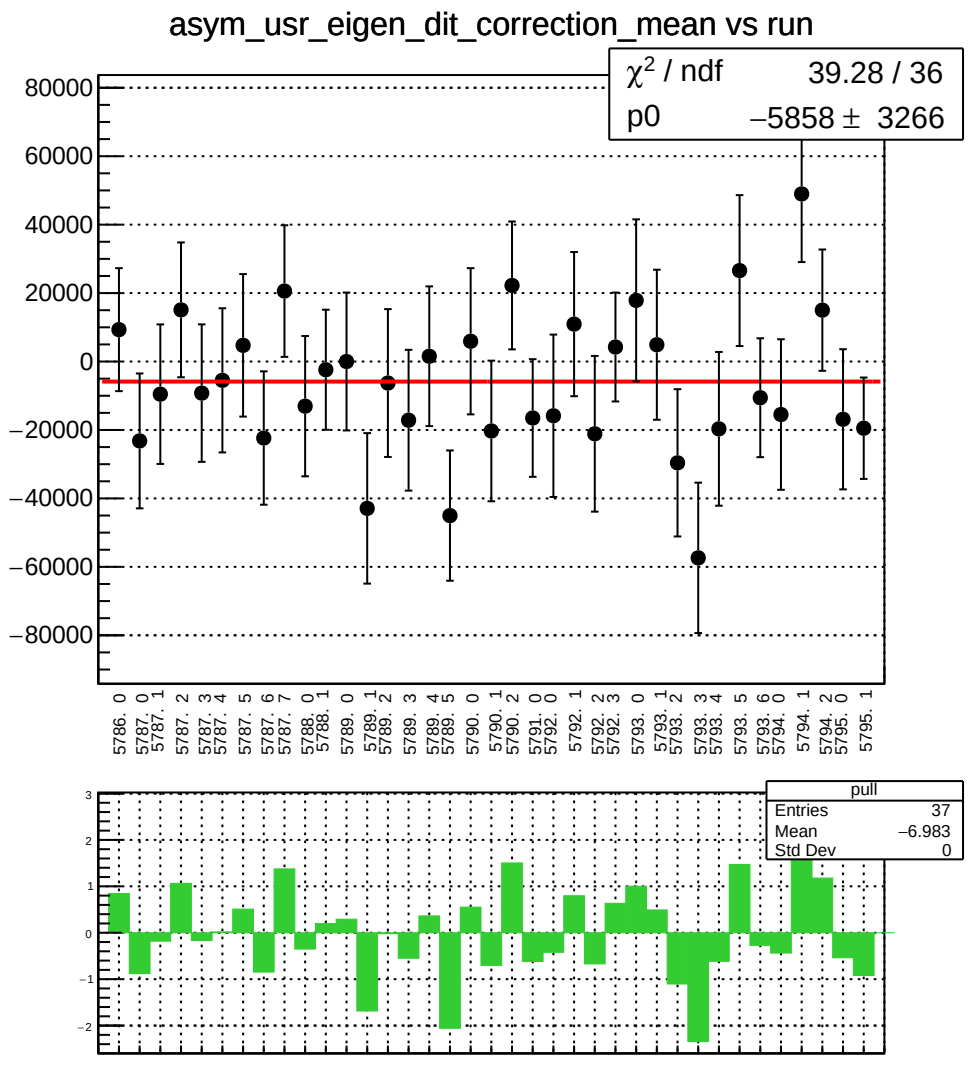

asym_usr_dit_correction_mean vs run
χ² / ndf 39.28 / 36
p0 −5858 ± 3266
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.984
Std Dev 0
3
2
1
0
−1
−2

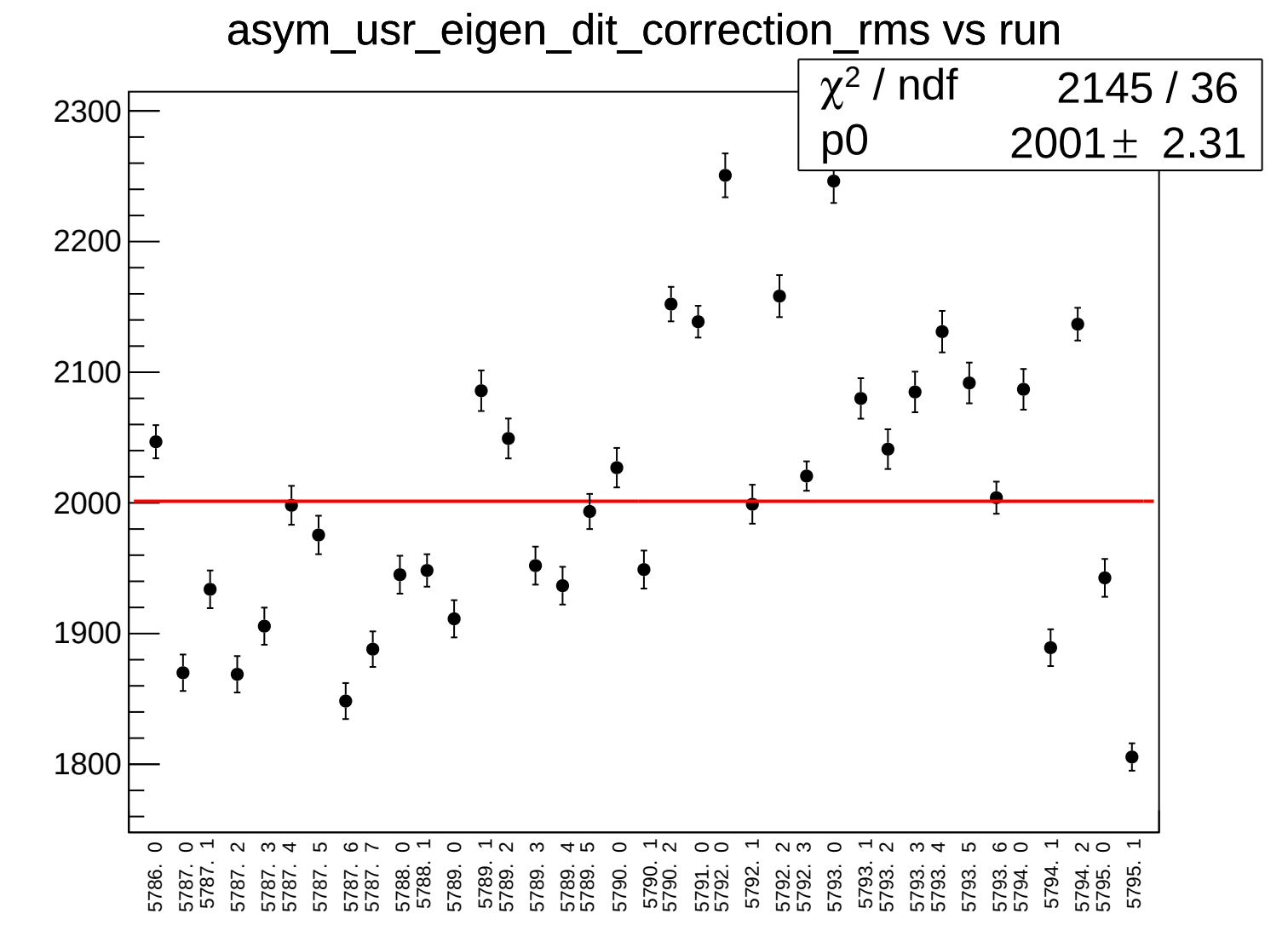

pull1D
Entries 37
Mean −0.009077
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

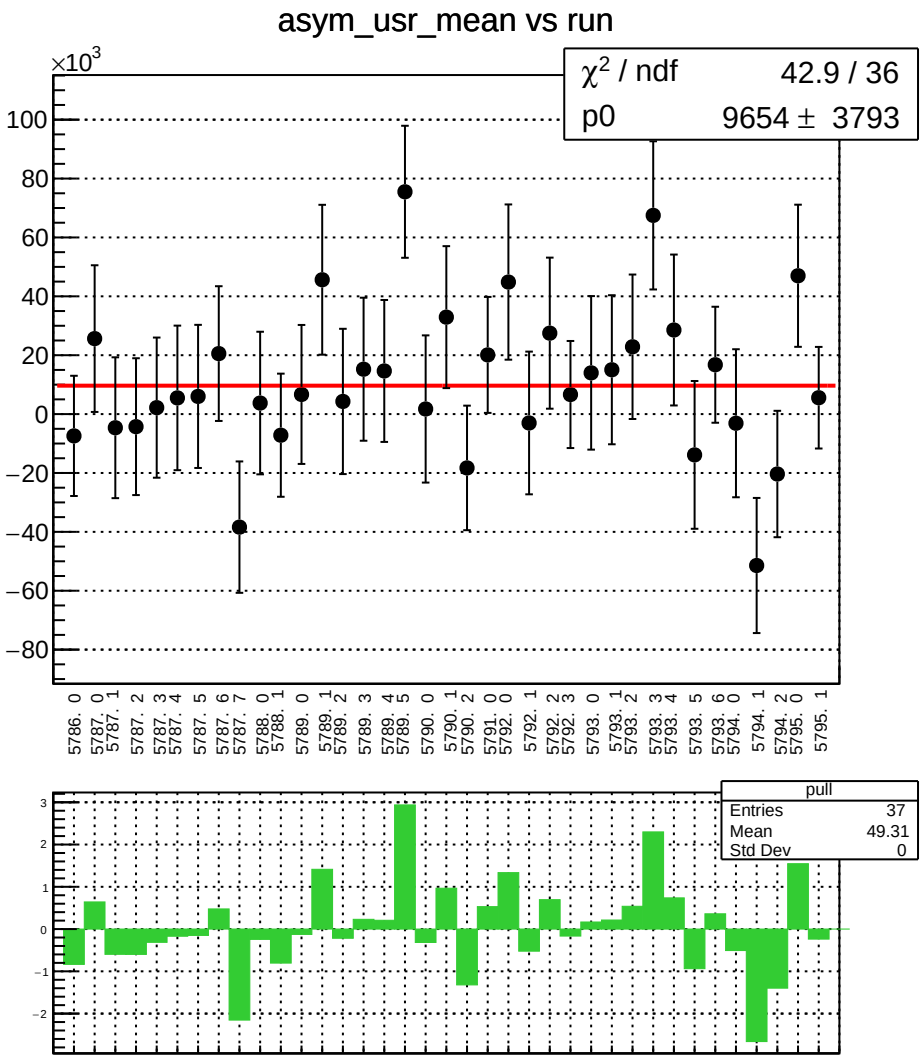

asym_usr_dit_correction_rms vs run
χ² / ndf 2145 / 36
p0 2001 ± 2.31
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

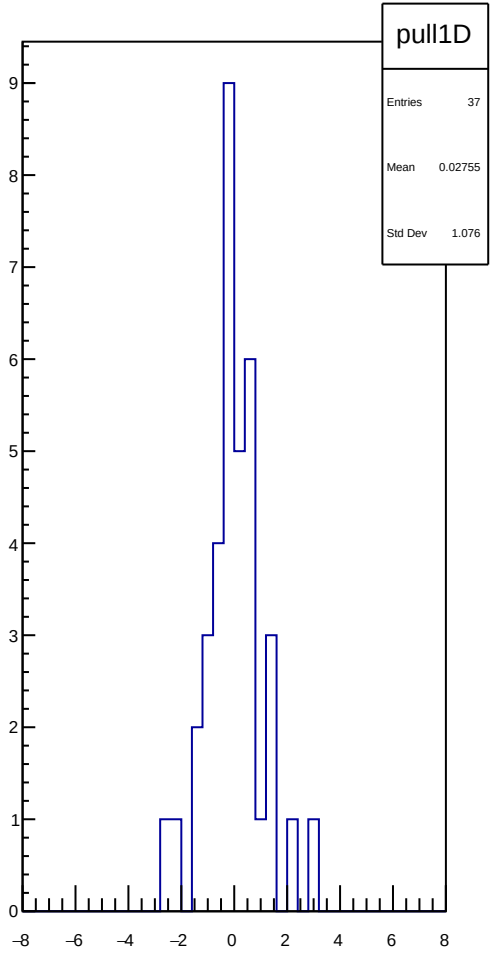

eigen_dit_asym_usr_mean vs run
χ² / ndf 50.24 / 36
p0 4303 ± 1784
pull
Entries 37
Mean 137.8
Std Dev 0
pull1D
Entries 37
Mean 0.01843
Std Dev 1.165

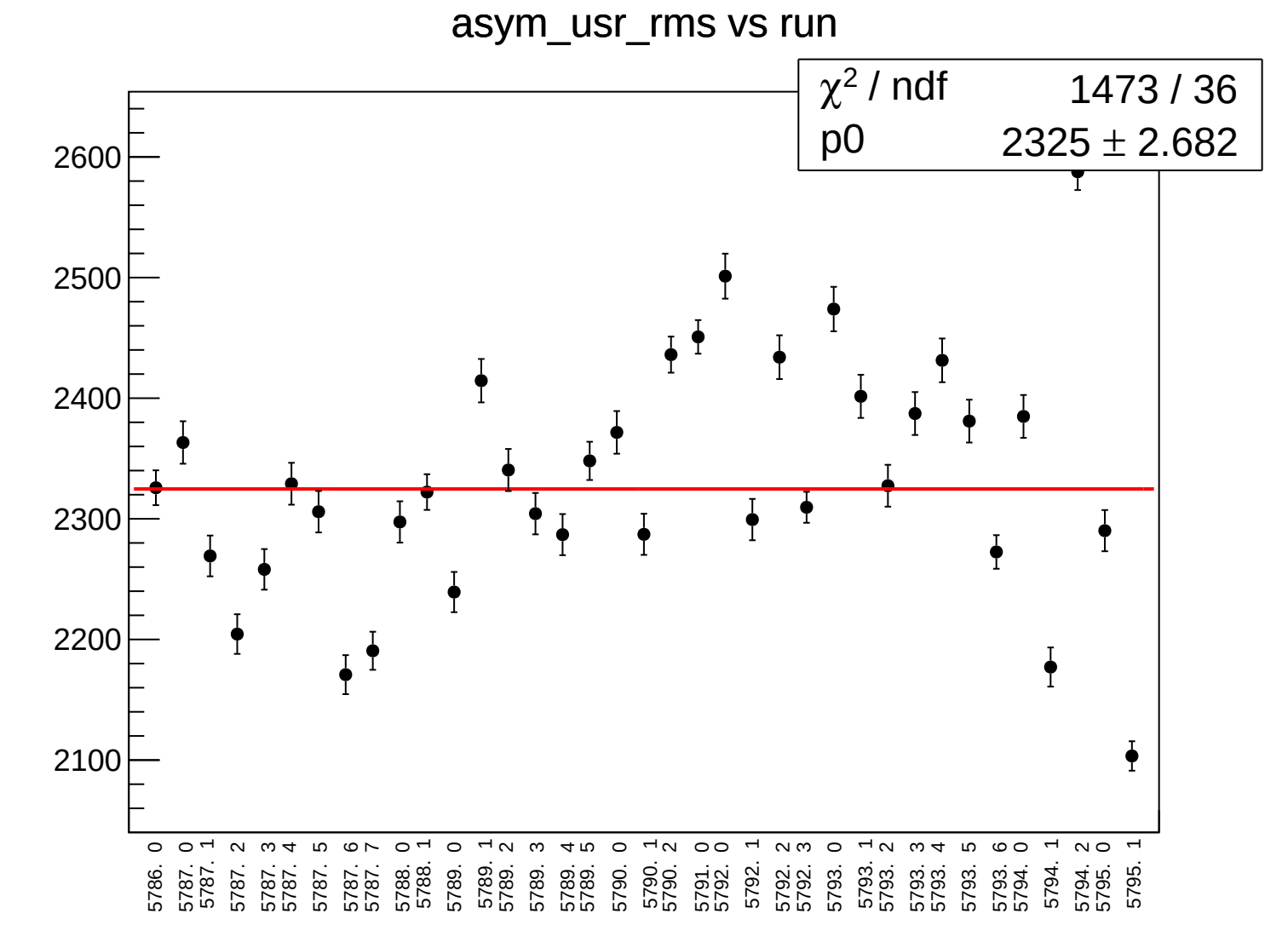

eigen_dit_asym_usr_rms vs run
χ^2 / ndf 108.8 / 36
p0 1095 ± 1.262
1160
1140
1120
1100
1080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

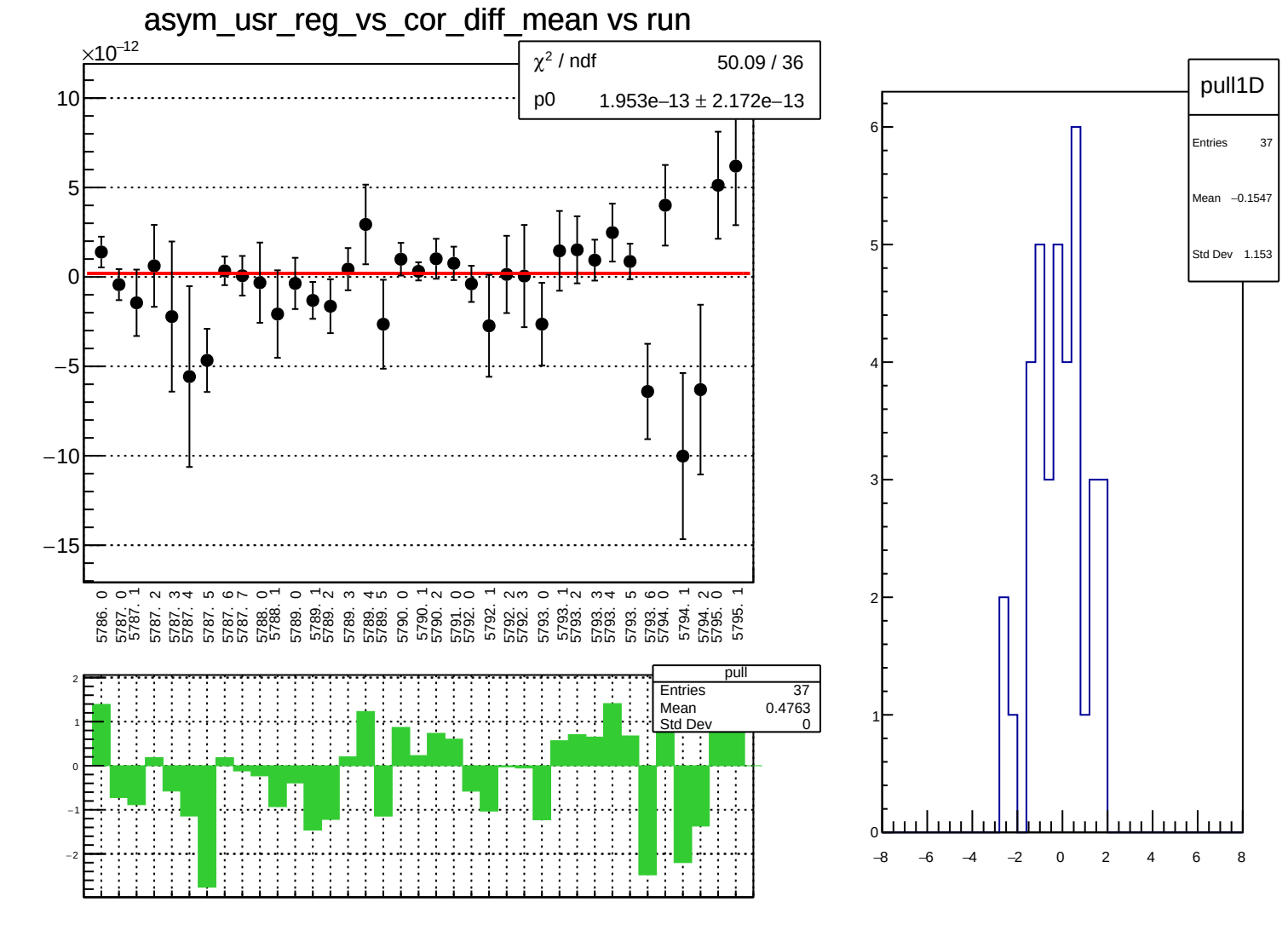

asym_usr_eigen_dit_correction_mean vs run
χ² / ndf 39.28 / 36
p0 −5858 ± 3266
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.983
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.009077
Std Dev 1.03
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

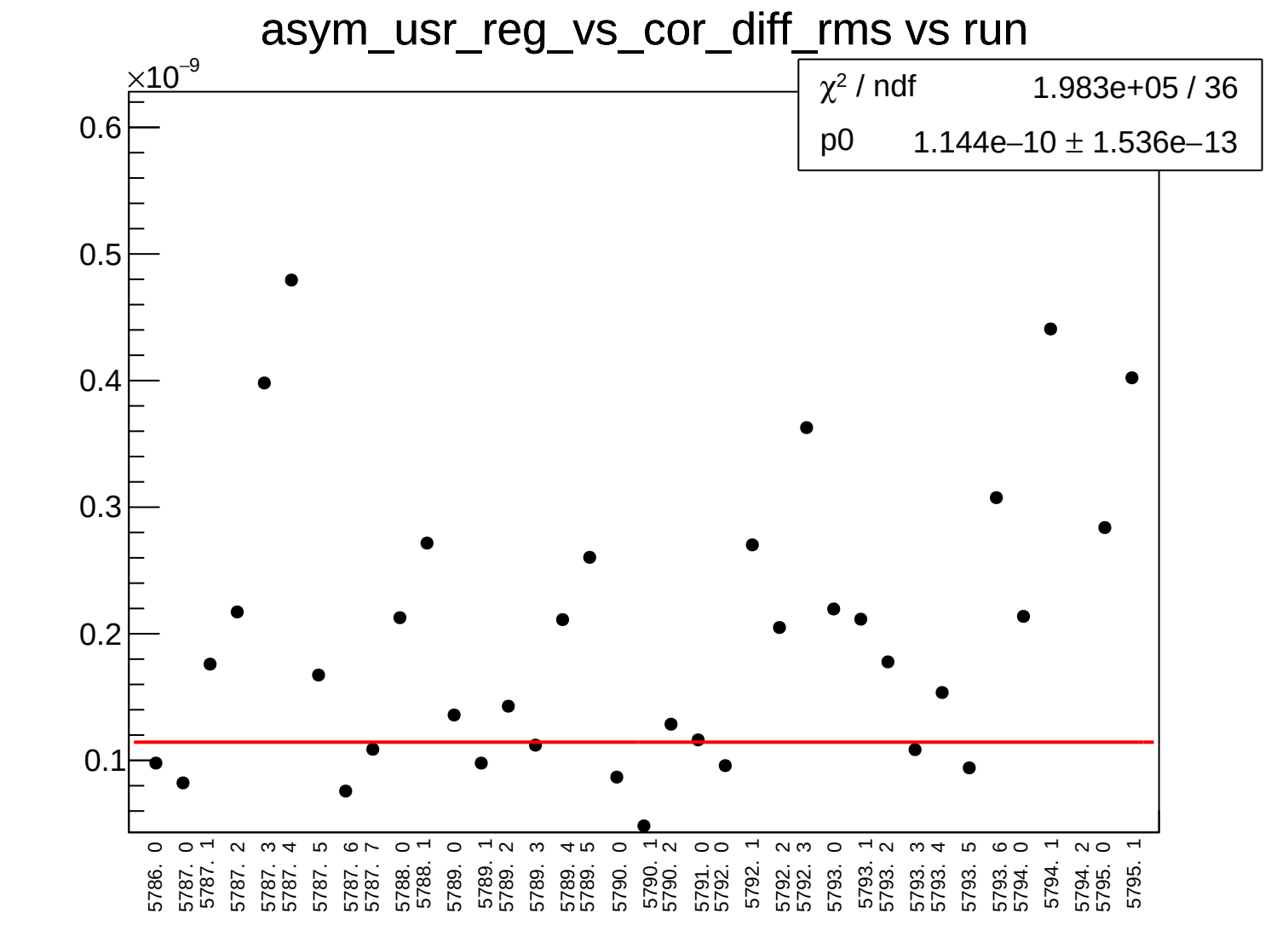

asym_usr_eigen_dit_correction_rms vs run
χ² / ndf 2145 / 36
p0 2001 ± 2.31
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

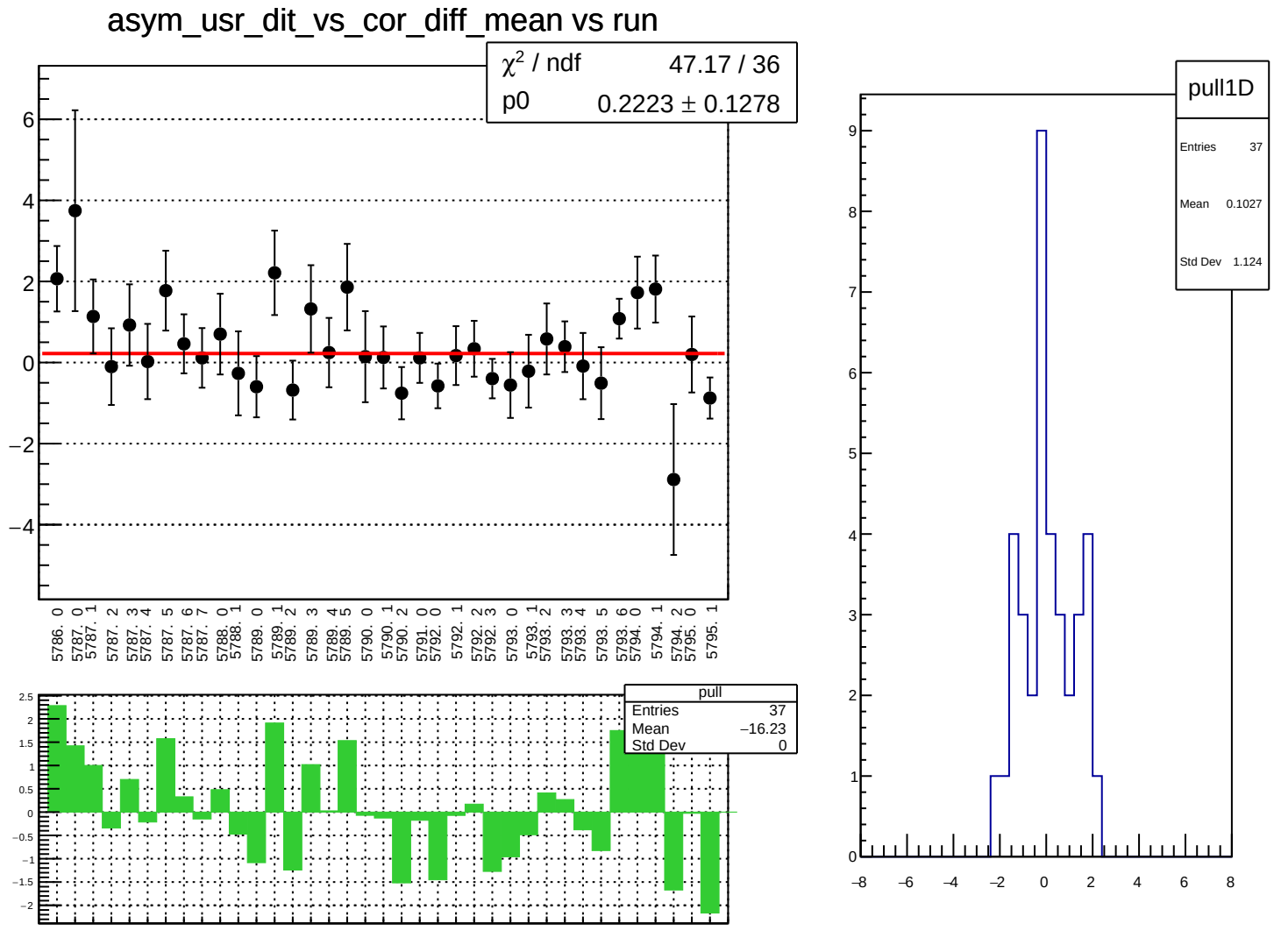

asym_usr_mean vs run
×10^3
χ² / ndf 42.9 / 36
p0 9654 ± 3793
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 49.31
Std Dev 0
3
2
1
0
−1
−2

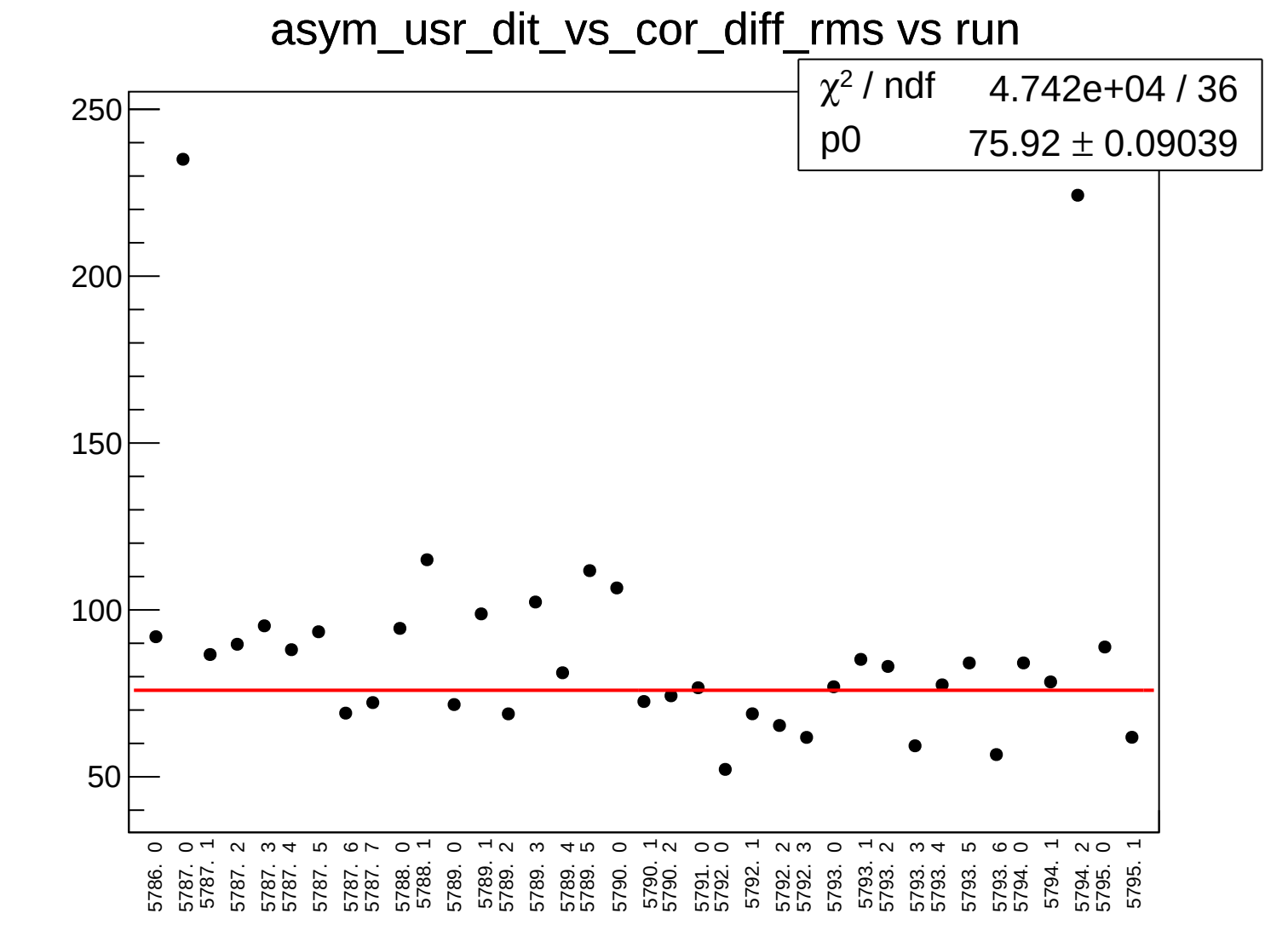

pull1D
Entries 37
Mean 0.02755
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

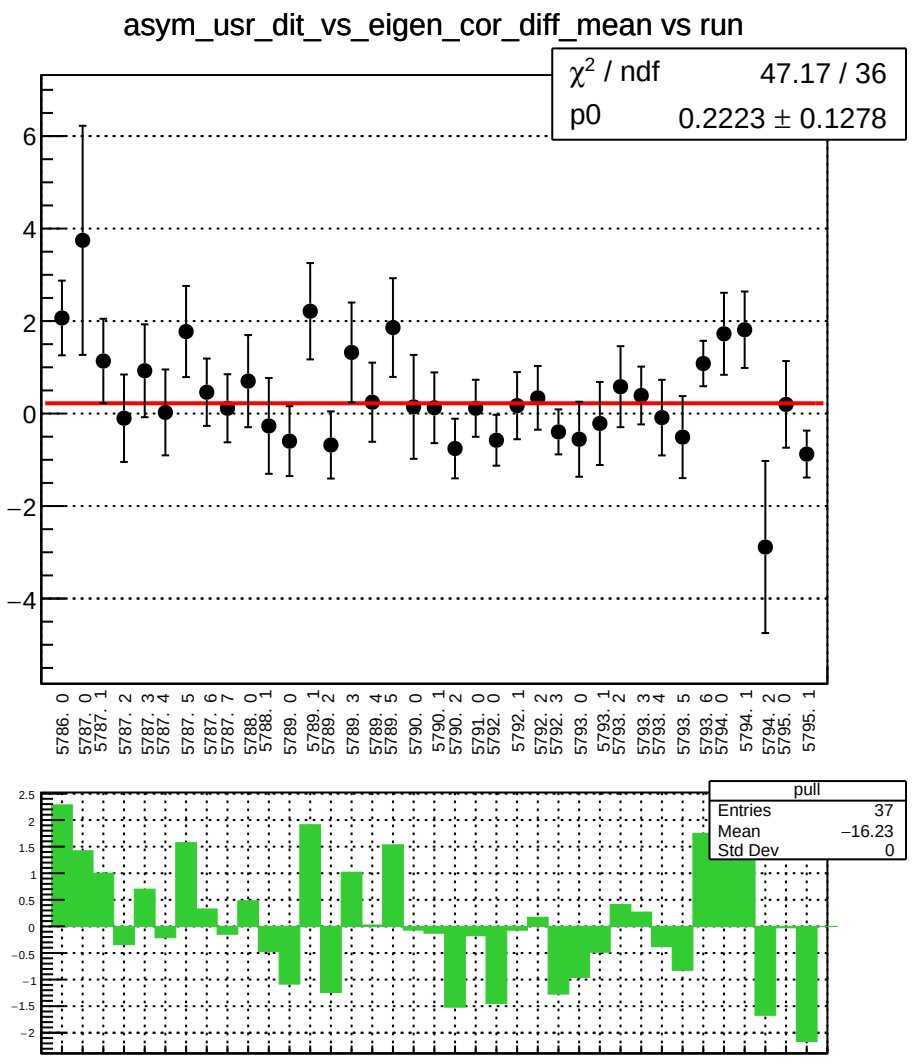

asym_usr_rms vs run
χ² / ndf 1473 / 36
p0 2325 ± 2.682
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

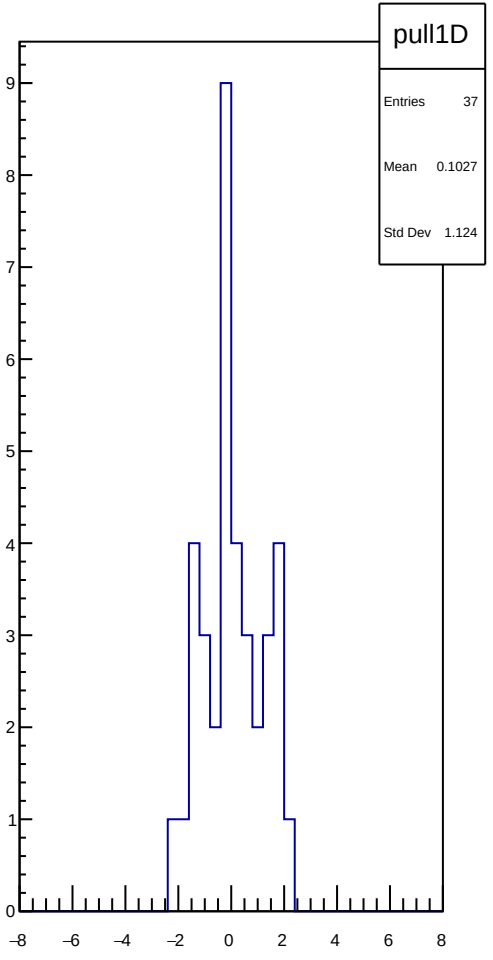

asym_usr_reg_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 50.09 / 36
p0 1.953e−13 ± 2.172e−13
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.4763
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.1547
Std Dev 1.153
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

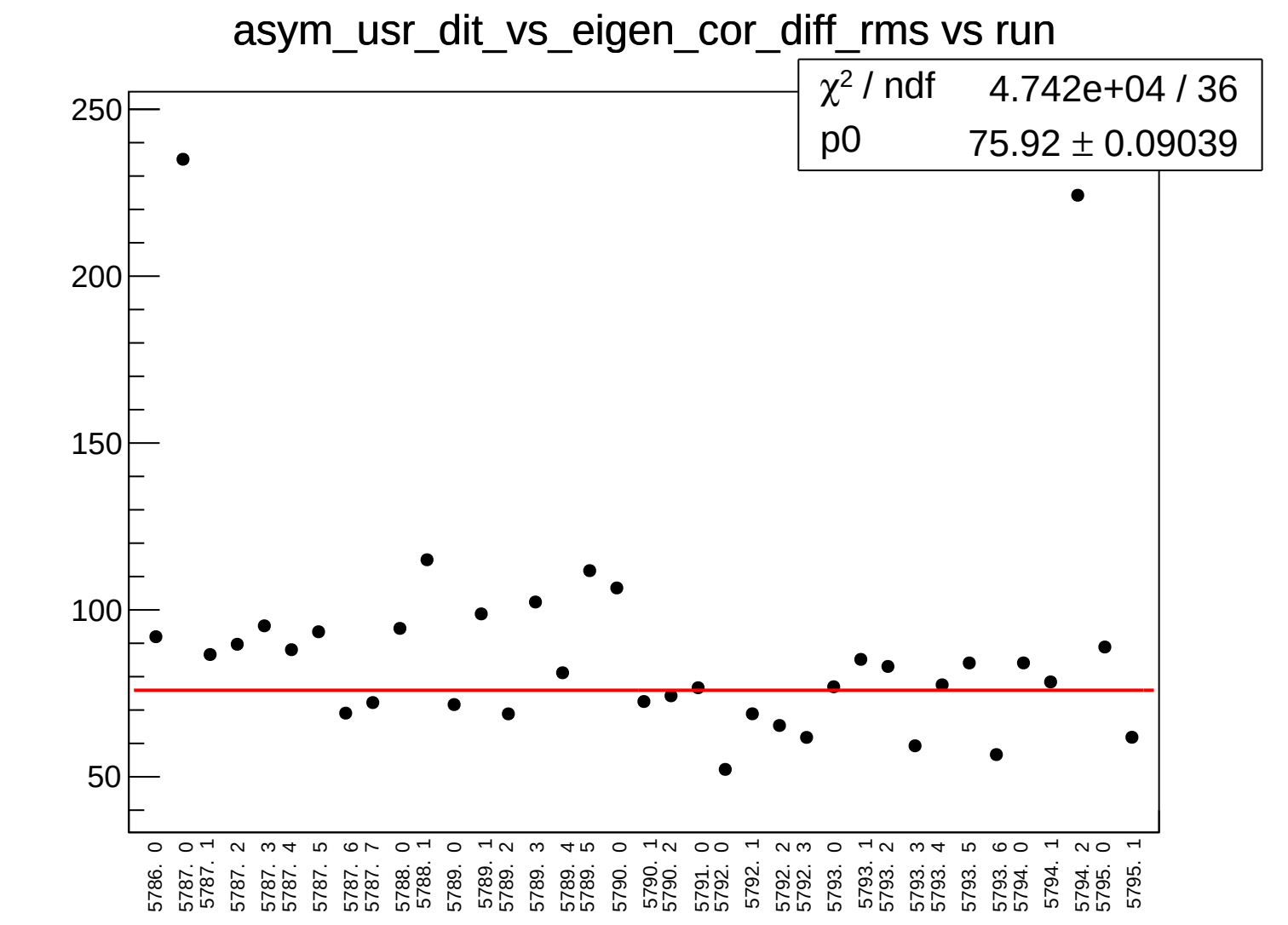

asym_usr_reg_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.983e+05 / 36
p0 1.144e−10 ± 1.536e−13
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

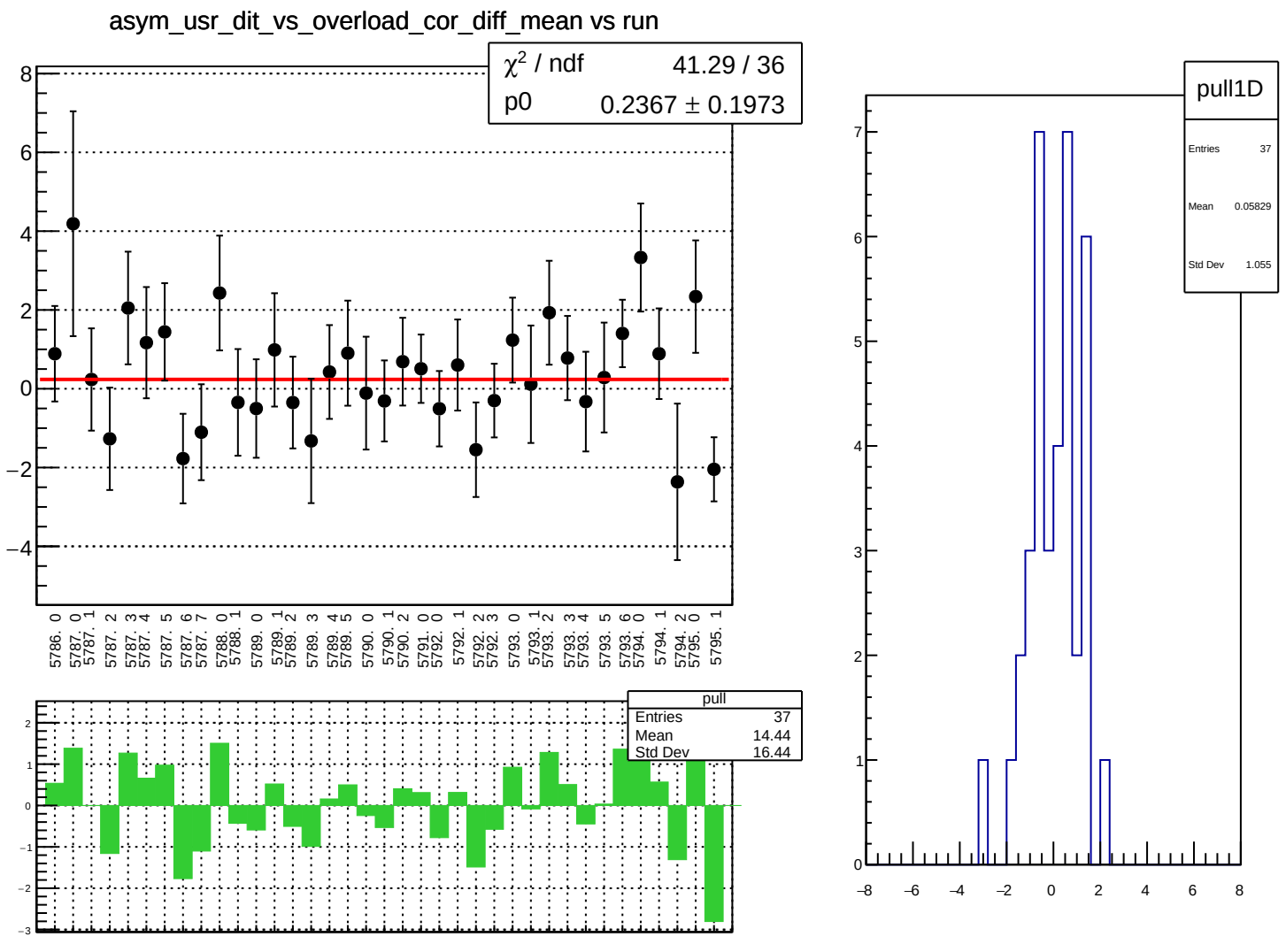

asym_usr_dit_vs_cor_diff_mean vs run
χ² / ndf 47.17 / 36
p0 0.2223 ± 0.1278
pull
Entries 37
Mean −16.23
Std Dev 0
pull1D
Entries 37
Mean 0.1027
Std Dev 1.124

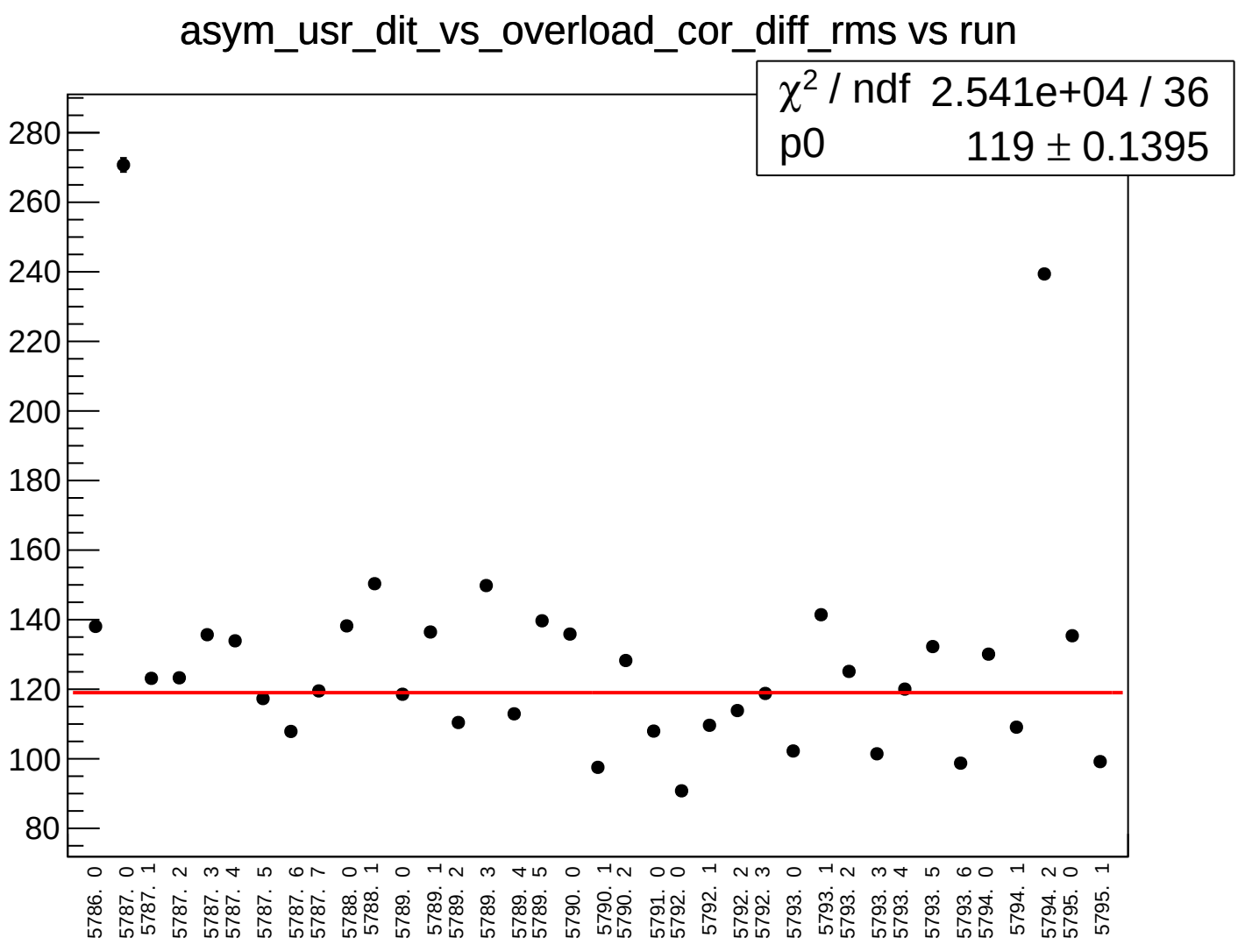

asym_usr_dit_vs_cor_diff_rms vs run
χ² / ndf 4.742e+04 / 36
p0 75.92 ± 0.09039
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

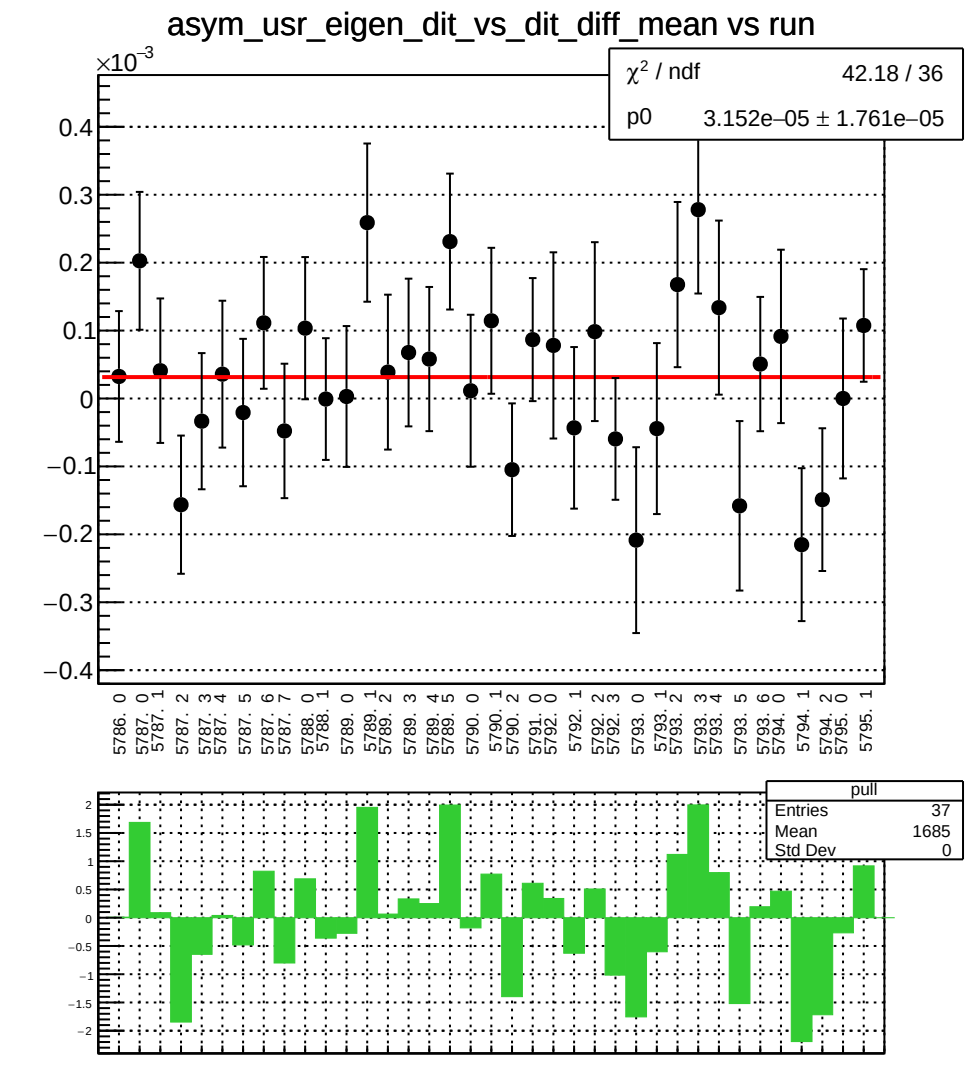

asym_usr_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.17 / 36
p0 0.2223 ± 0.1278
pull
Entries 37
Mean −16.23
Std Dev 0

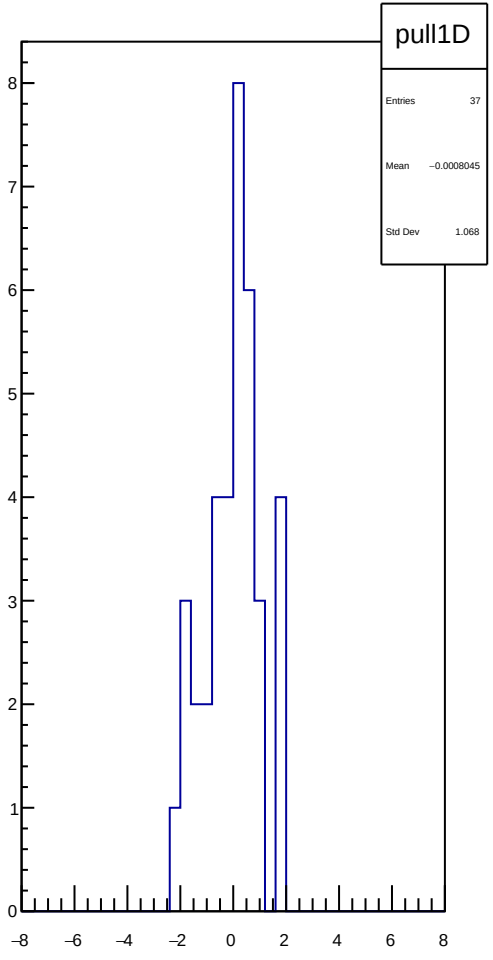

pull1D
Entries 37
Mean 0.1027
Std Dev 1.124

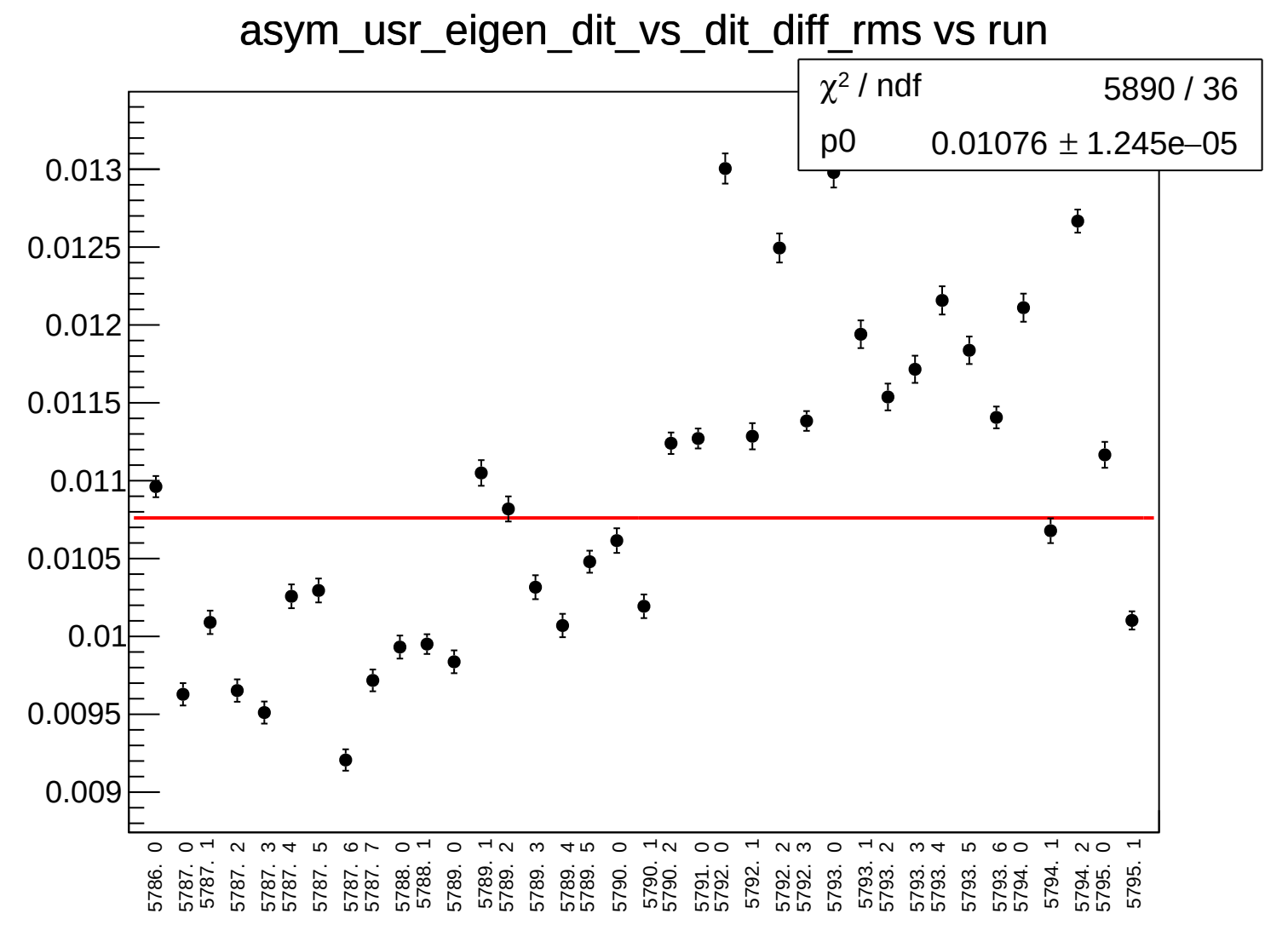

asym_usr_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.742e+04 / 36
p0 75.92 ± 0.09039
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

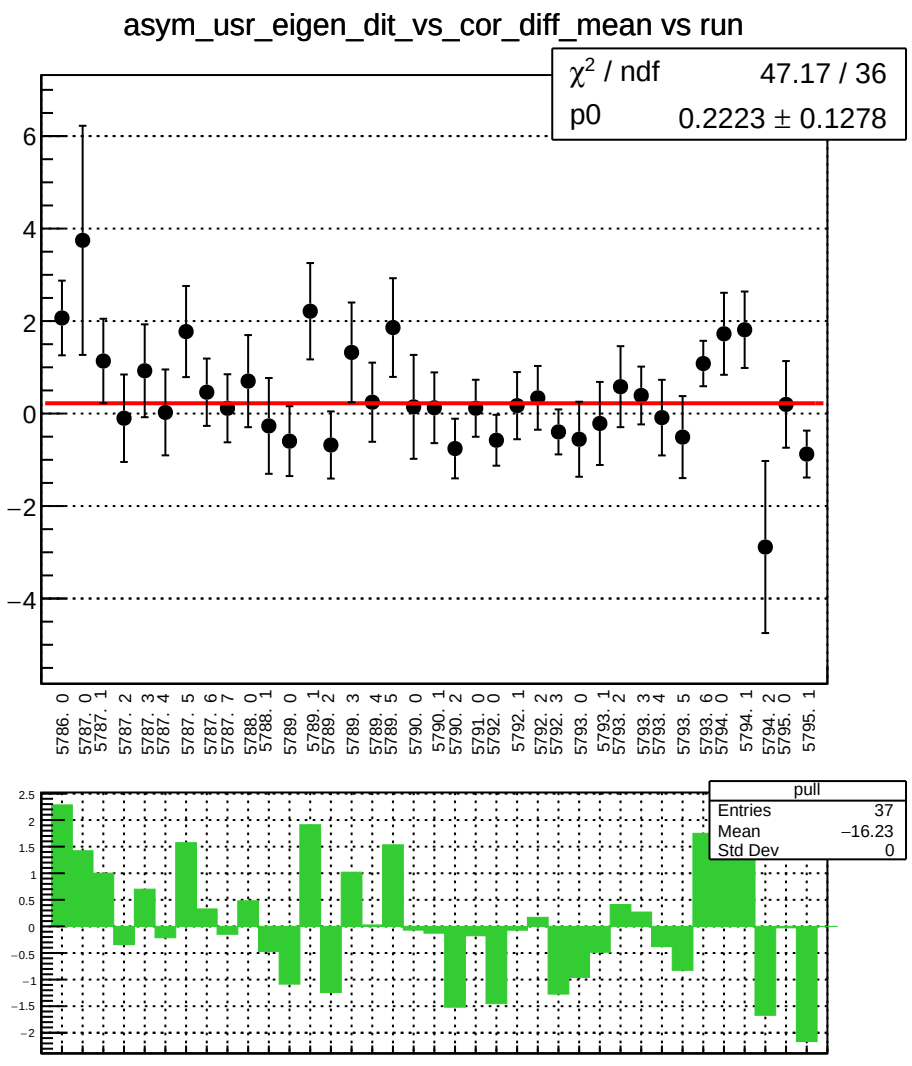

asym_usr_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 41.29 / 36
p0 0.2367 ± 0.1973
pull
Entries 37
Mean 14.44
Std Dev 16.44
pull1D
Entries 37
Mean 0.05829
Std Dev 1.055

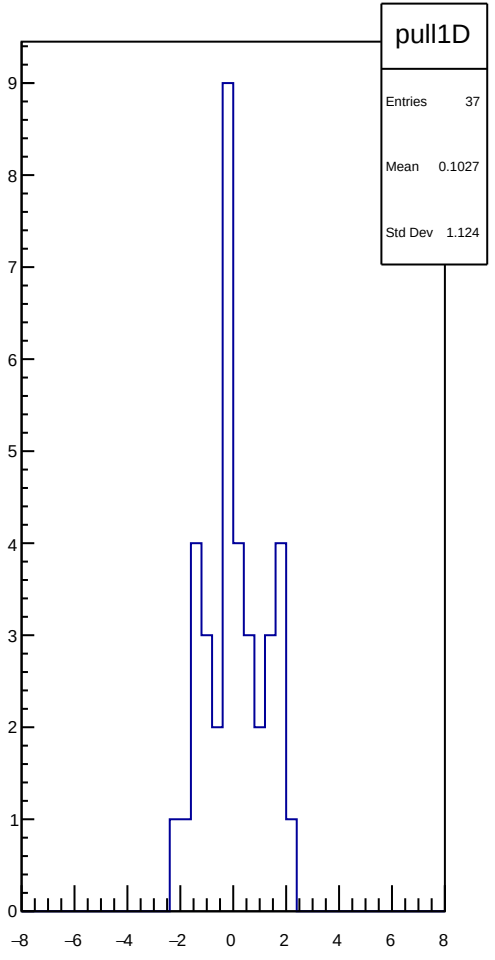

asym_usr_dit_vs_overload_cor_diff_rms vs run
χ^2 / ndf 2.541e+04 / 36
p0 119 ± 0.1395
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

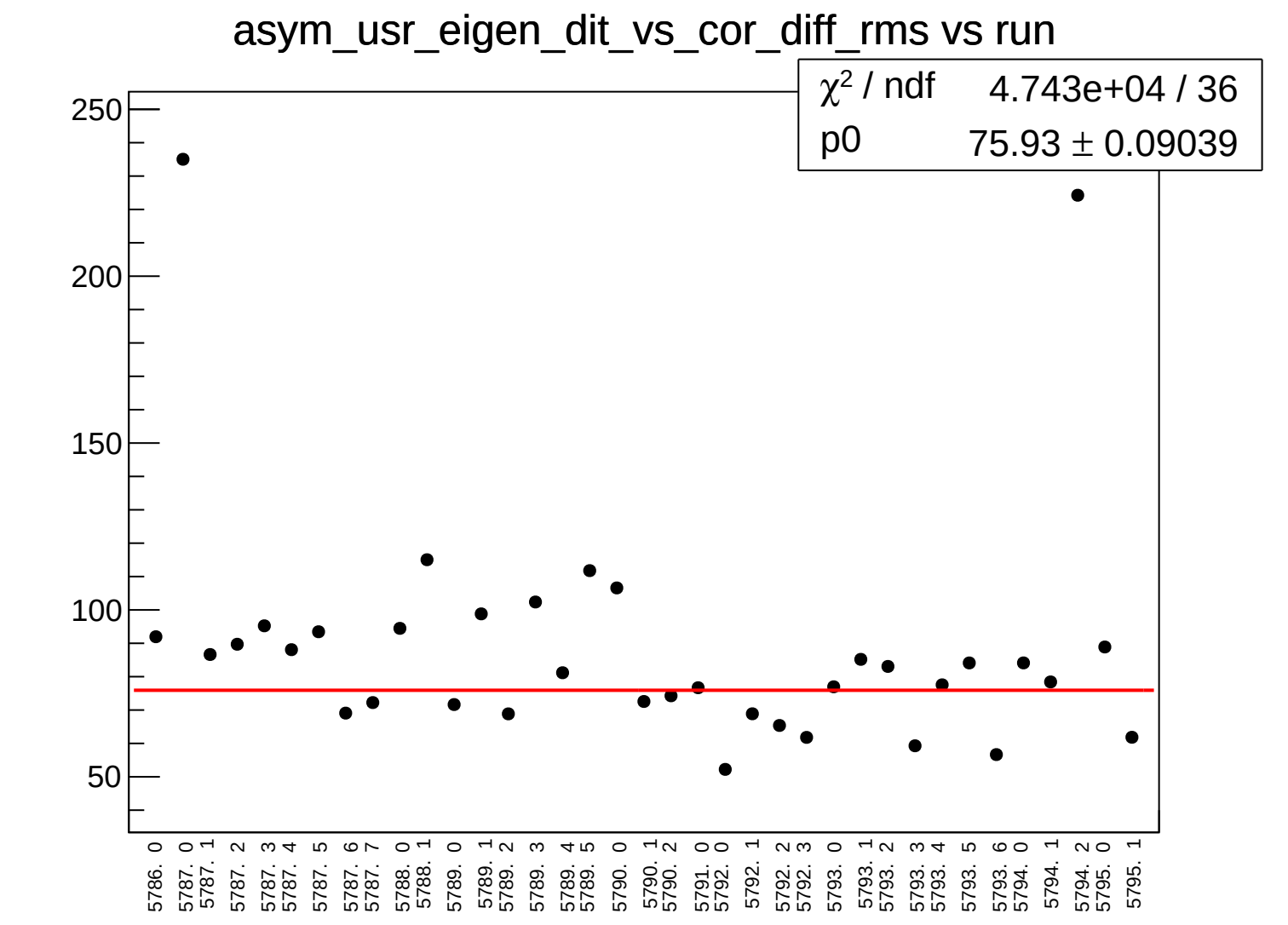

asym_usr_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.18 / 36
p0 3.152e−05 ± 1.761e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1685
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

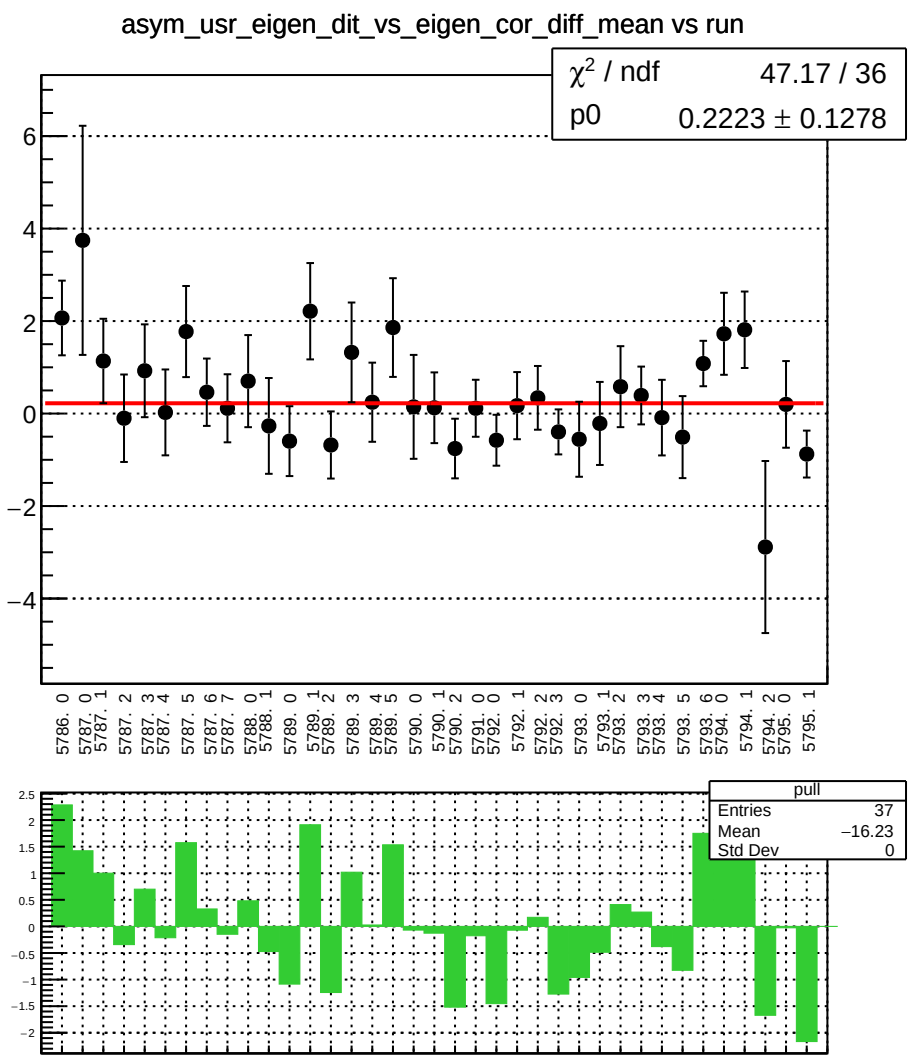

pull1D
Entries 37
Mean −0.0008045
Std Dev 1.068
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

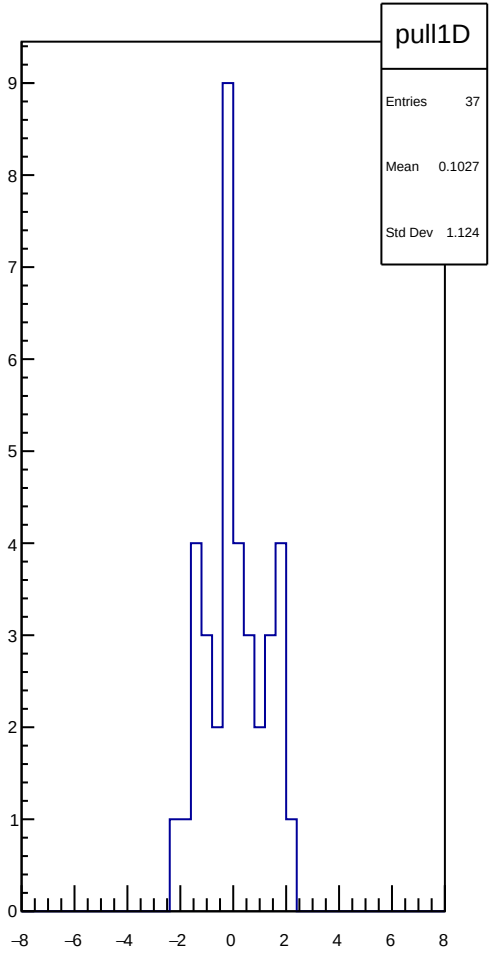

asym_usr_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5890 / 36
p0 0.01076 ± 1.245e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

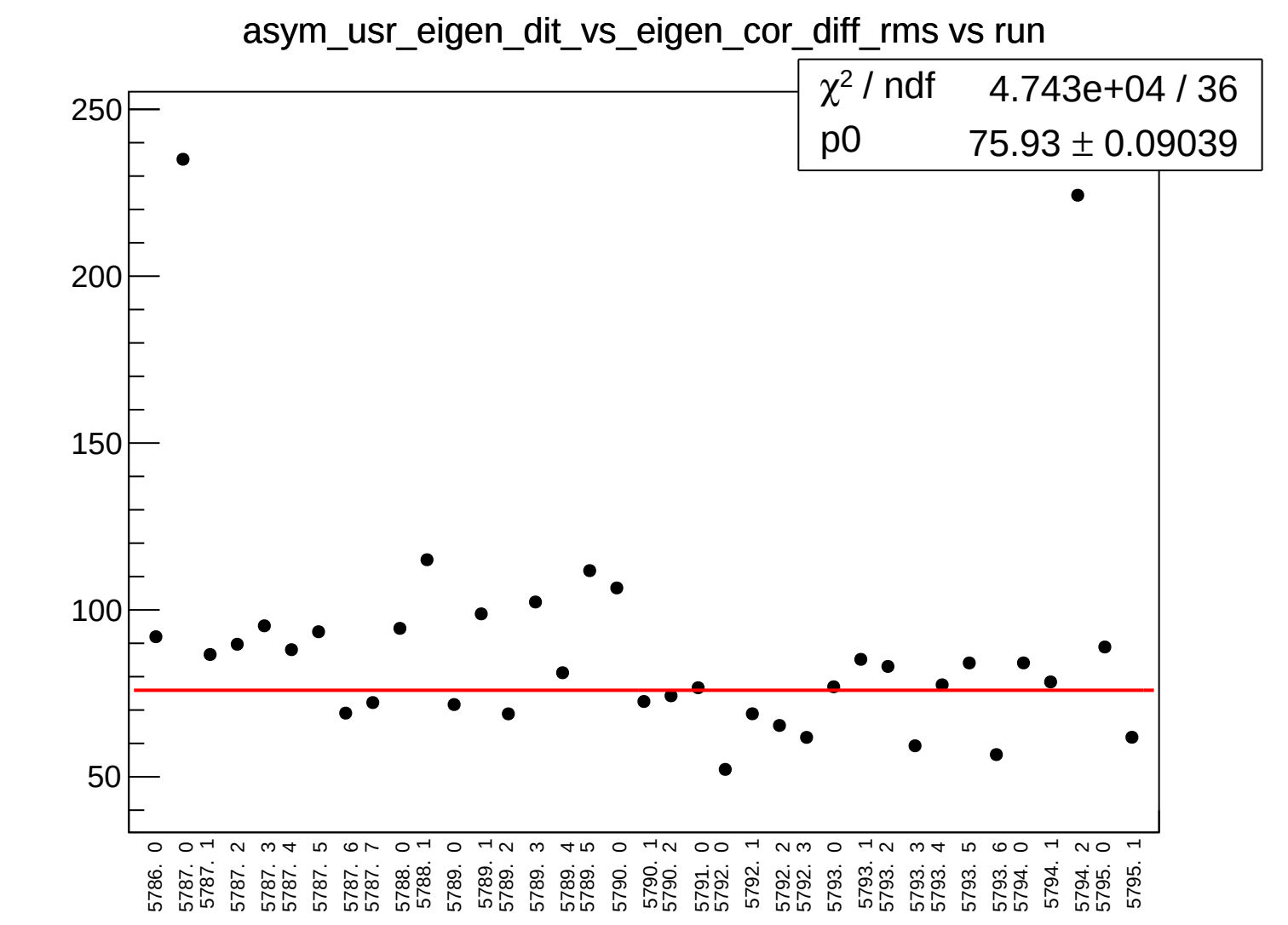

asym_usr_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.17 / 36
p0 0.2223 ± 0.1278
pull
Entries 37
Mean −16.23
Std Dev 0


pull1D
Entries 37
Mean 0.1027
Std Dev 1.124


asym_usr_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.743e+04 / 36
p0 75.93 ± 0.09039
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.17 / 36
p0 0.2223 ± 0.1278
pull
Entries 37
Mean −16.23
Std Dev 0


pull1D
Entries 37
Mean 0.1027
Std Dev 1.124


asym_usr_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.743e+04 / 36
p0 75.93 ± 0.09039
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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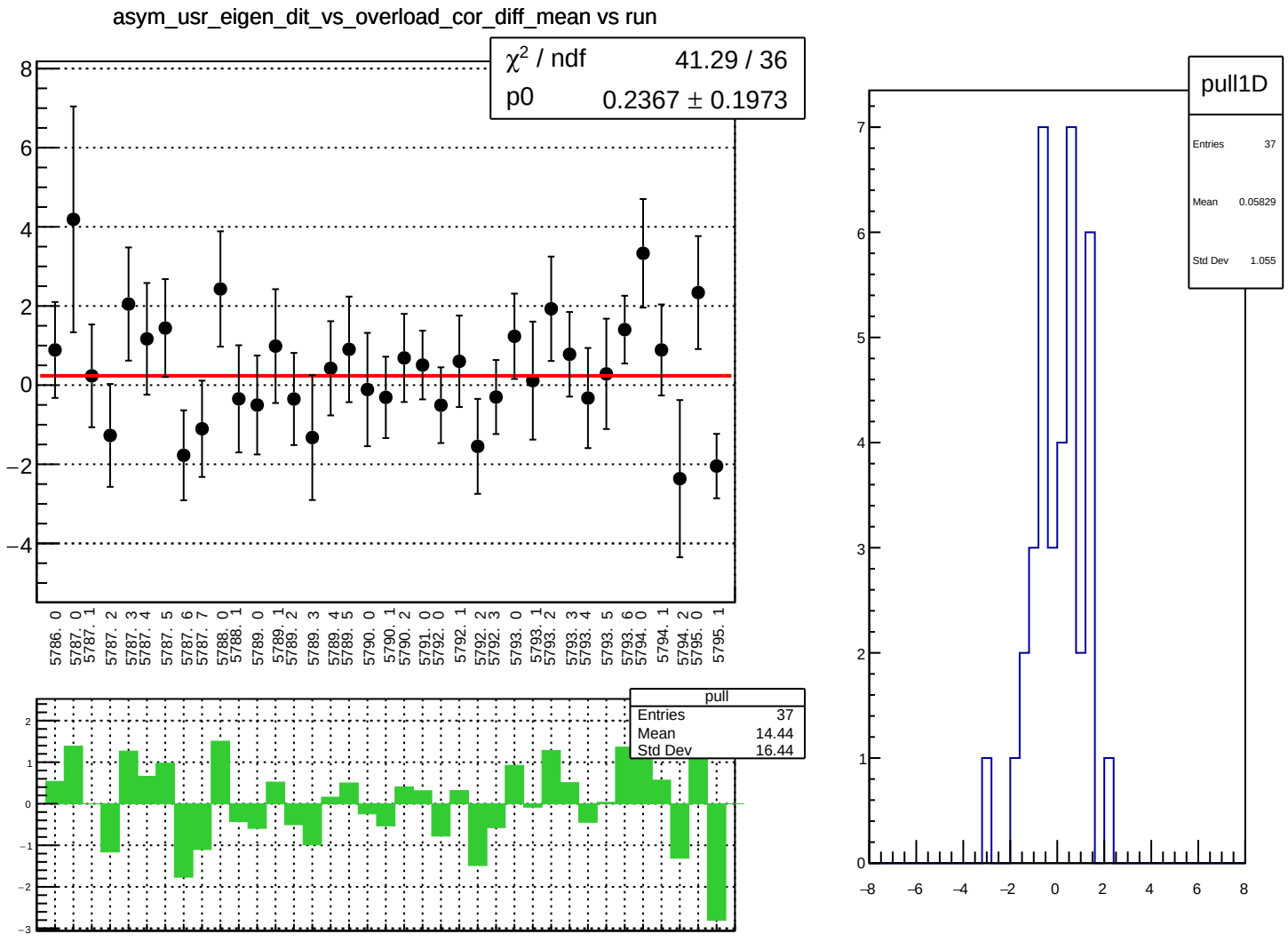
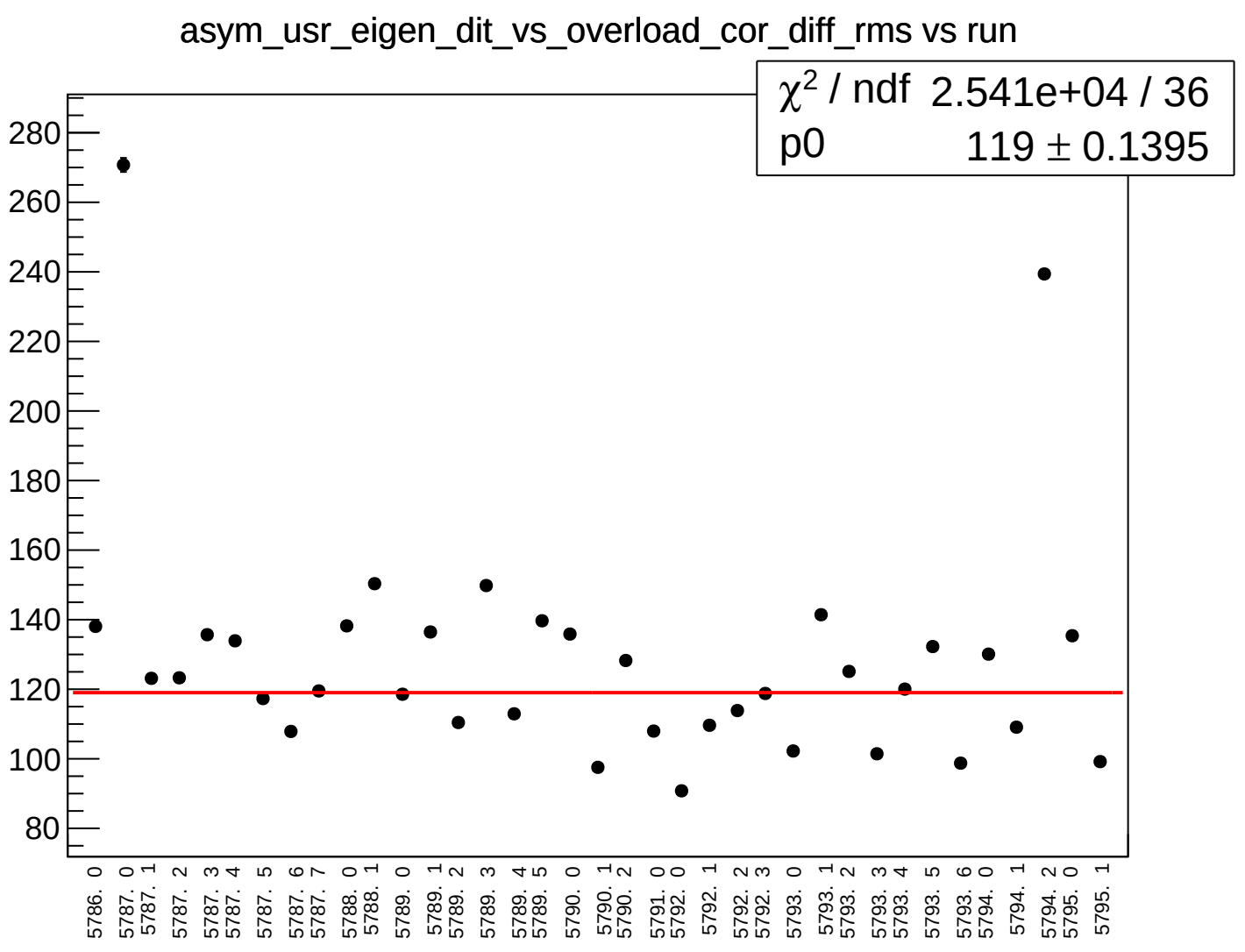
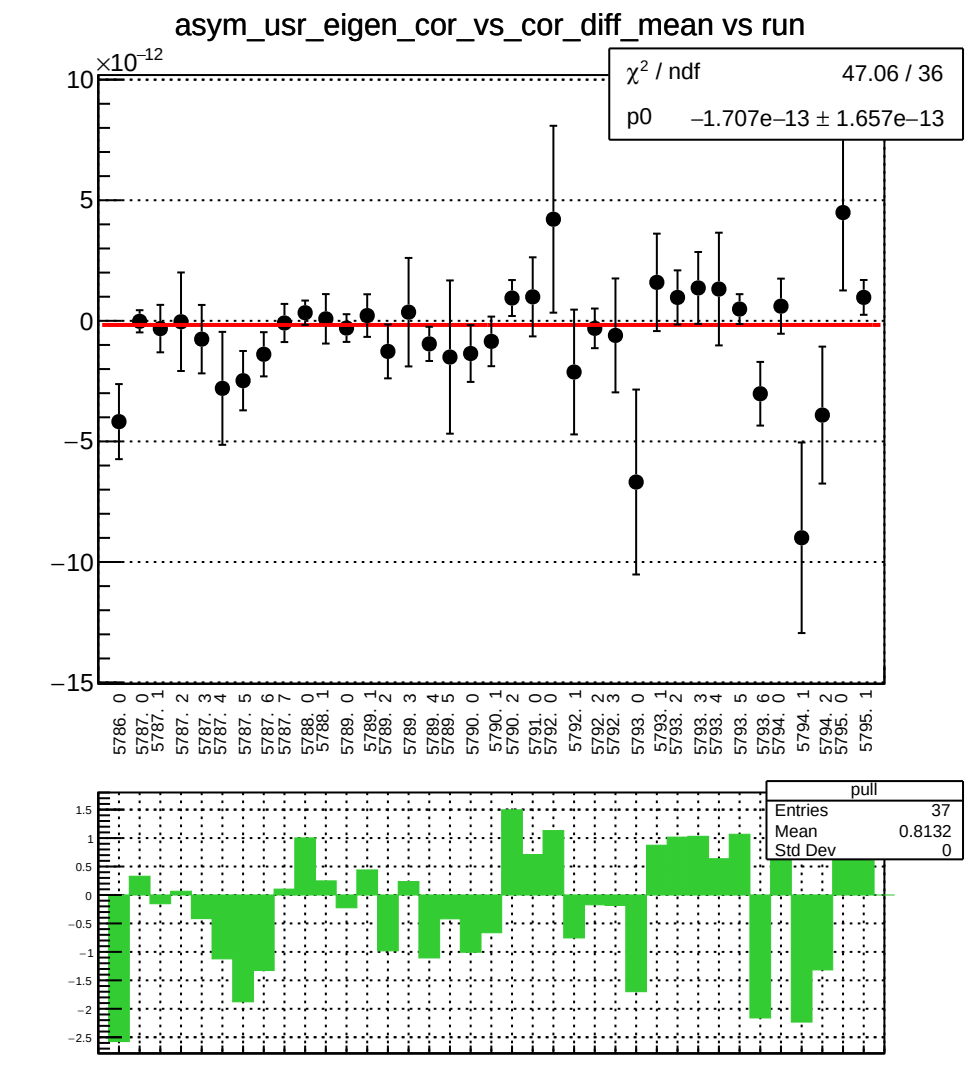
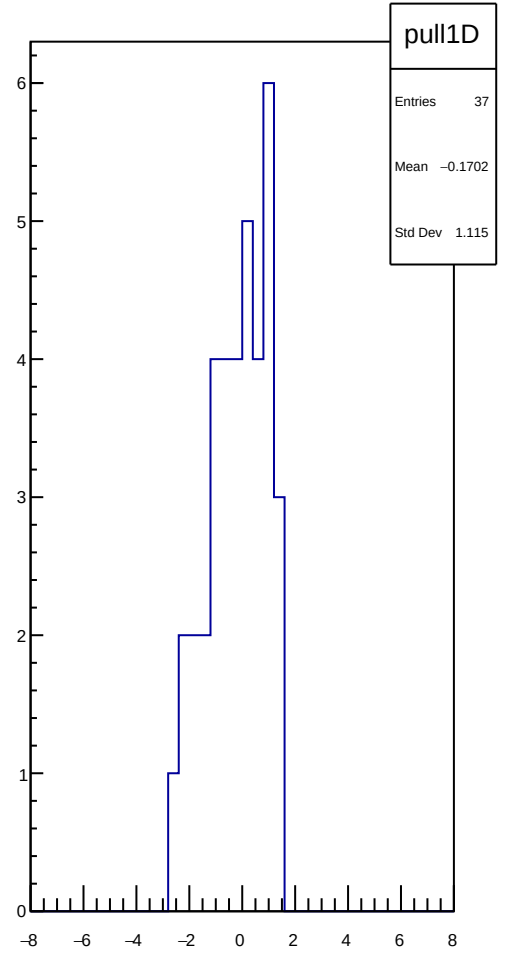
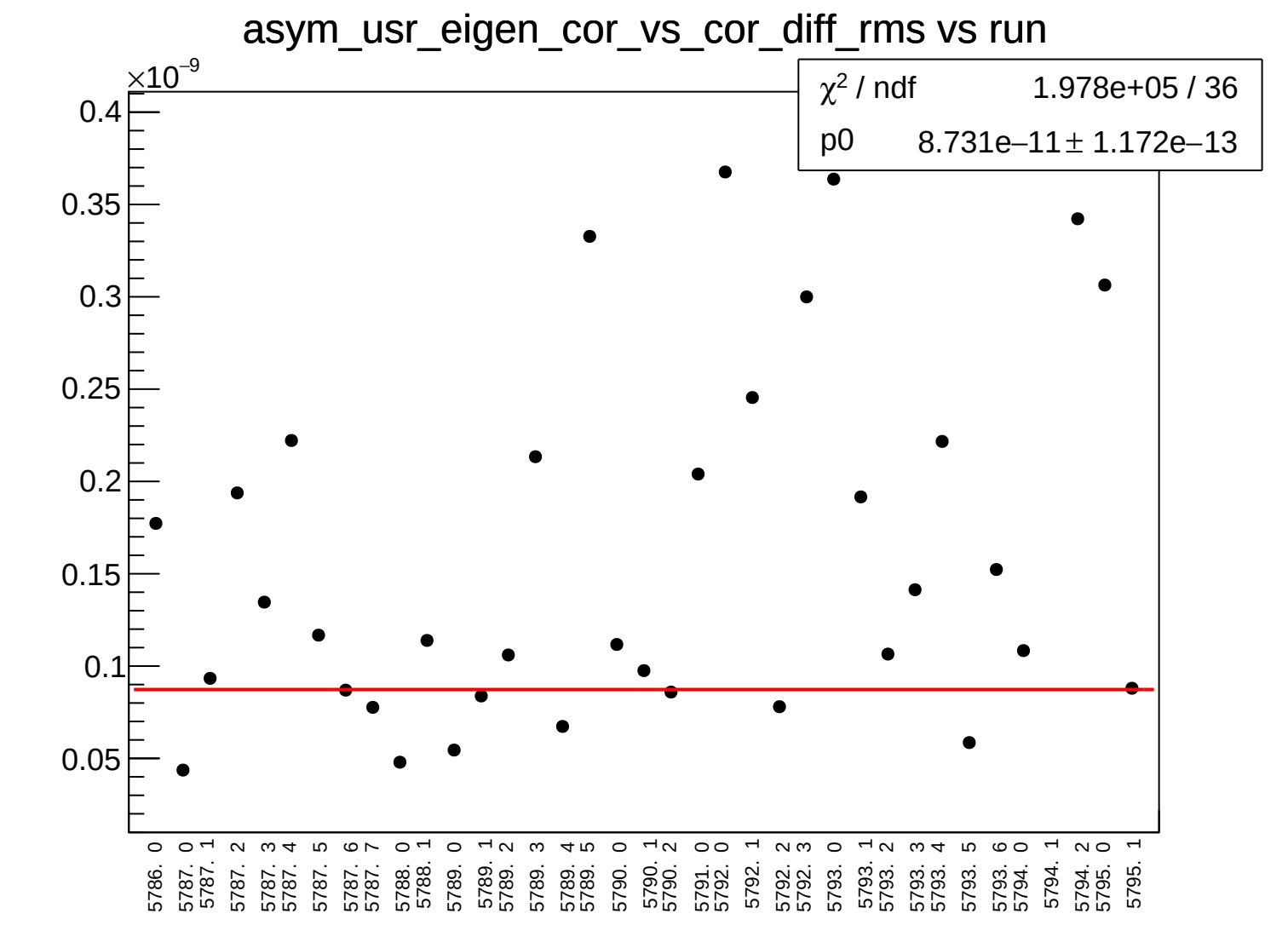
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

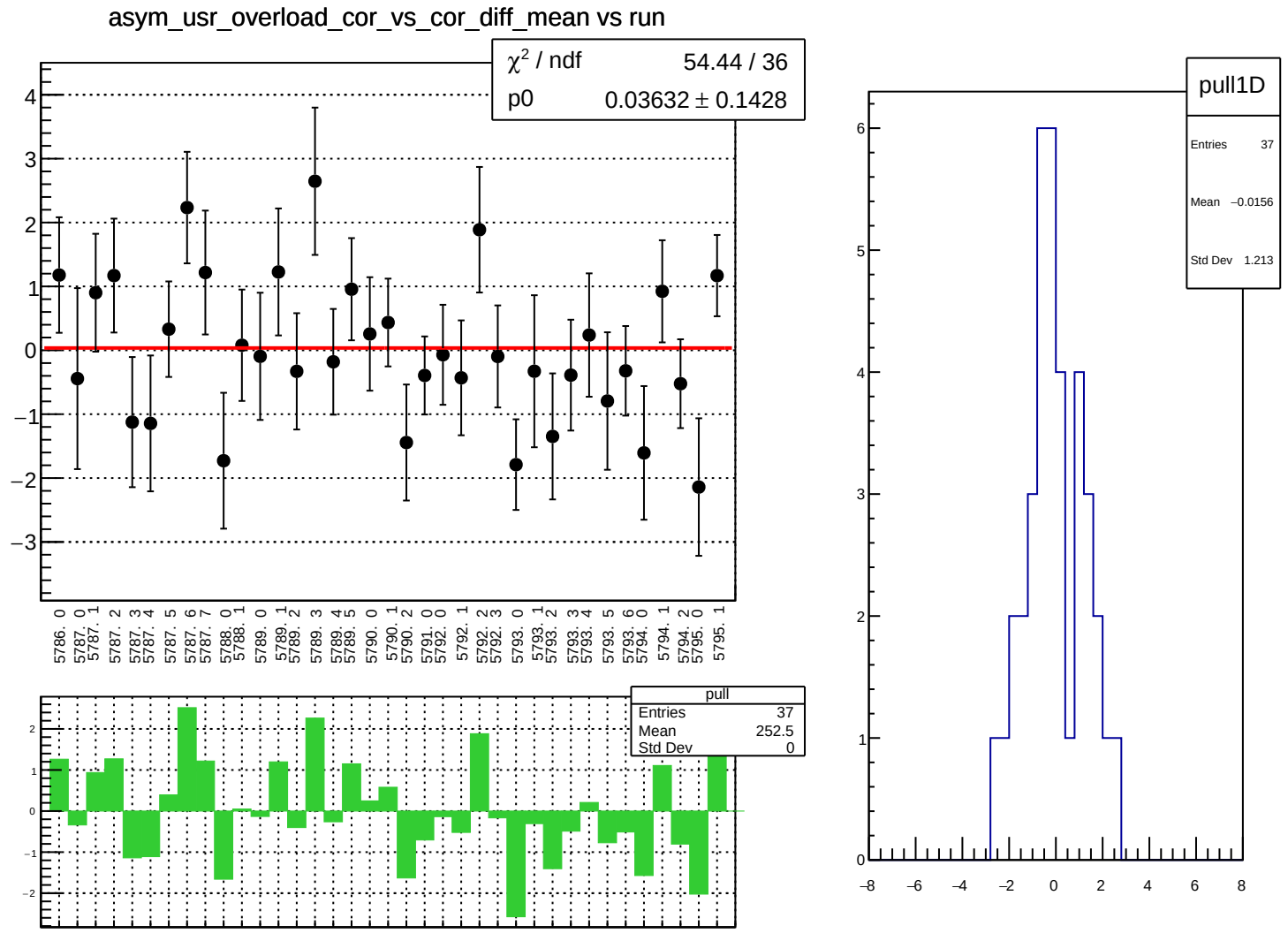

asym_usr_eigen_dit_vs_overload_cor_diff_mean vs run
χ² / ndf 41.29 / 36
p0 0.2367 ± 0.1973
pull
Entries 37
Mean 14.44
Std Dev 16.44
pull1D
Entries 37
Mean 0.05829
Std Dev 1.055

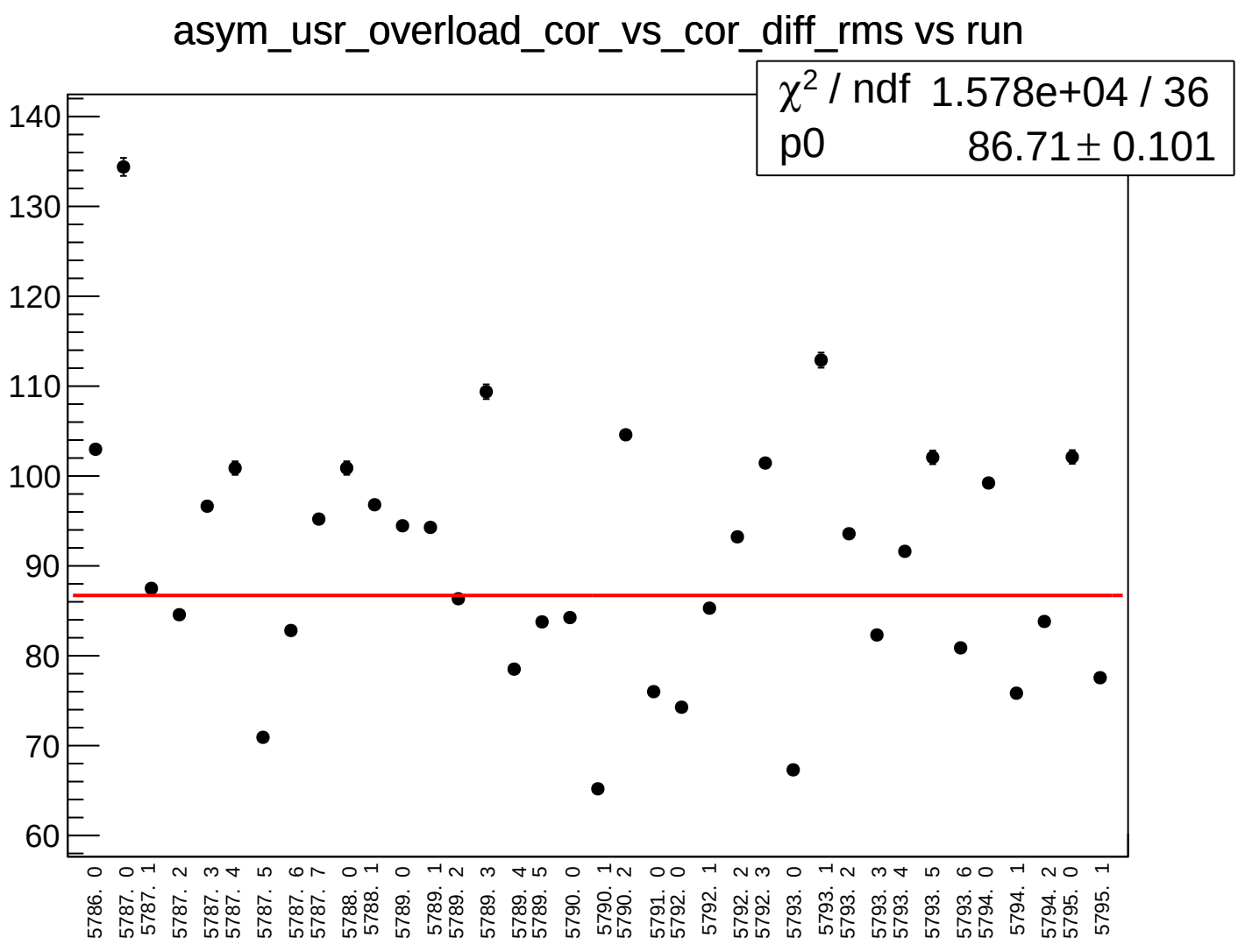

asym_usr_eigen_dit_vs_overload_cor_diff_rms vs run
χ² / ndf 2.541e+04 / 36
p0 119 ± 0.1395
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

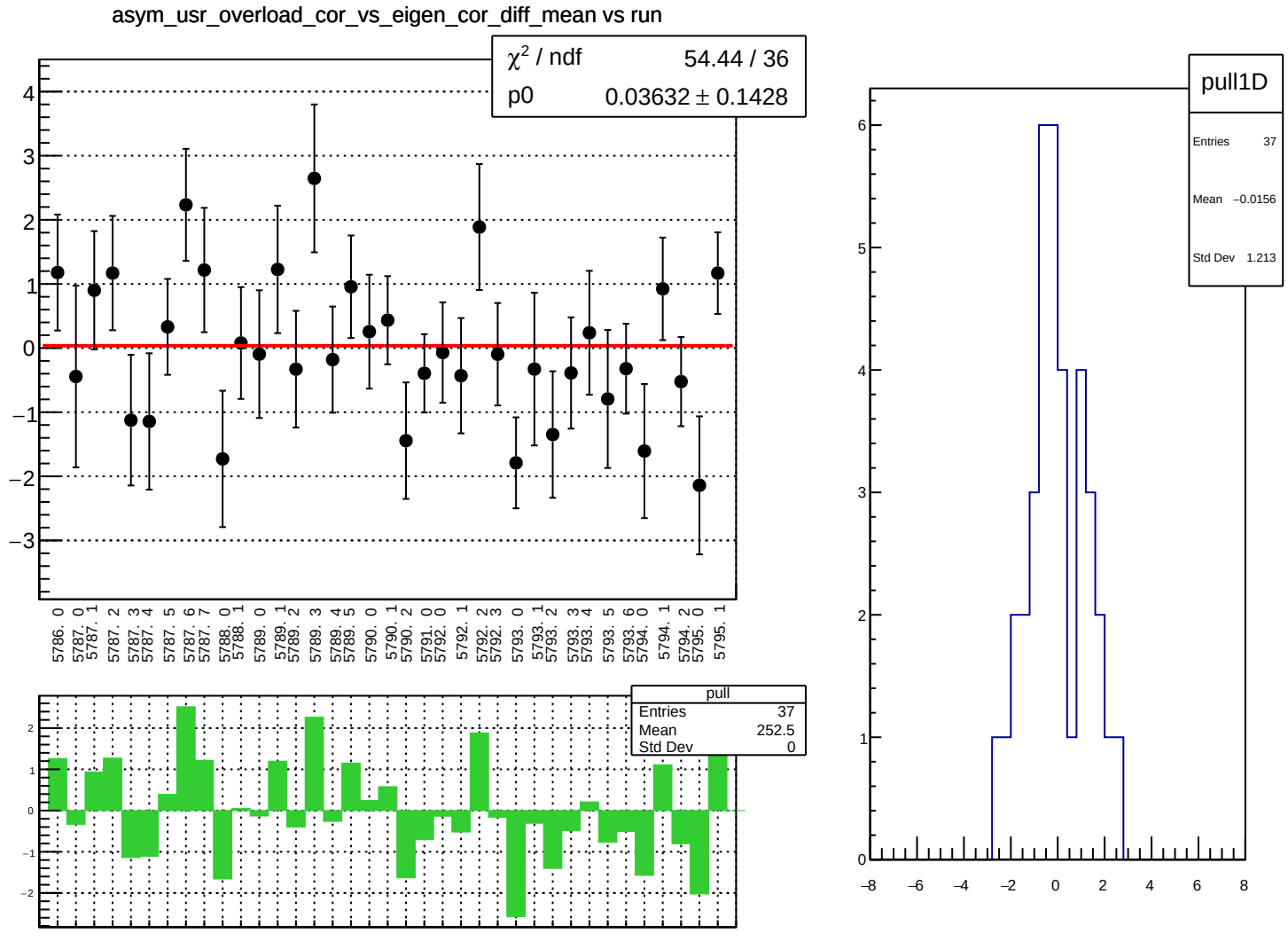

asym_usr_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 47.06 / 36
p0 −1.707e−13 ± 1.657e−13
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.8132
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

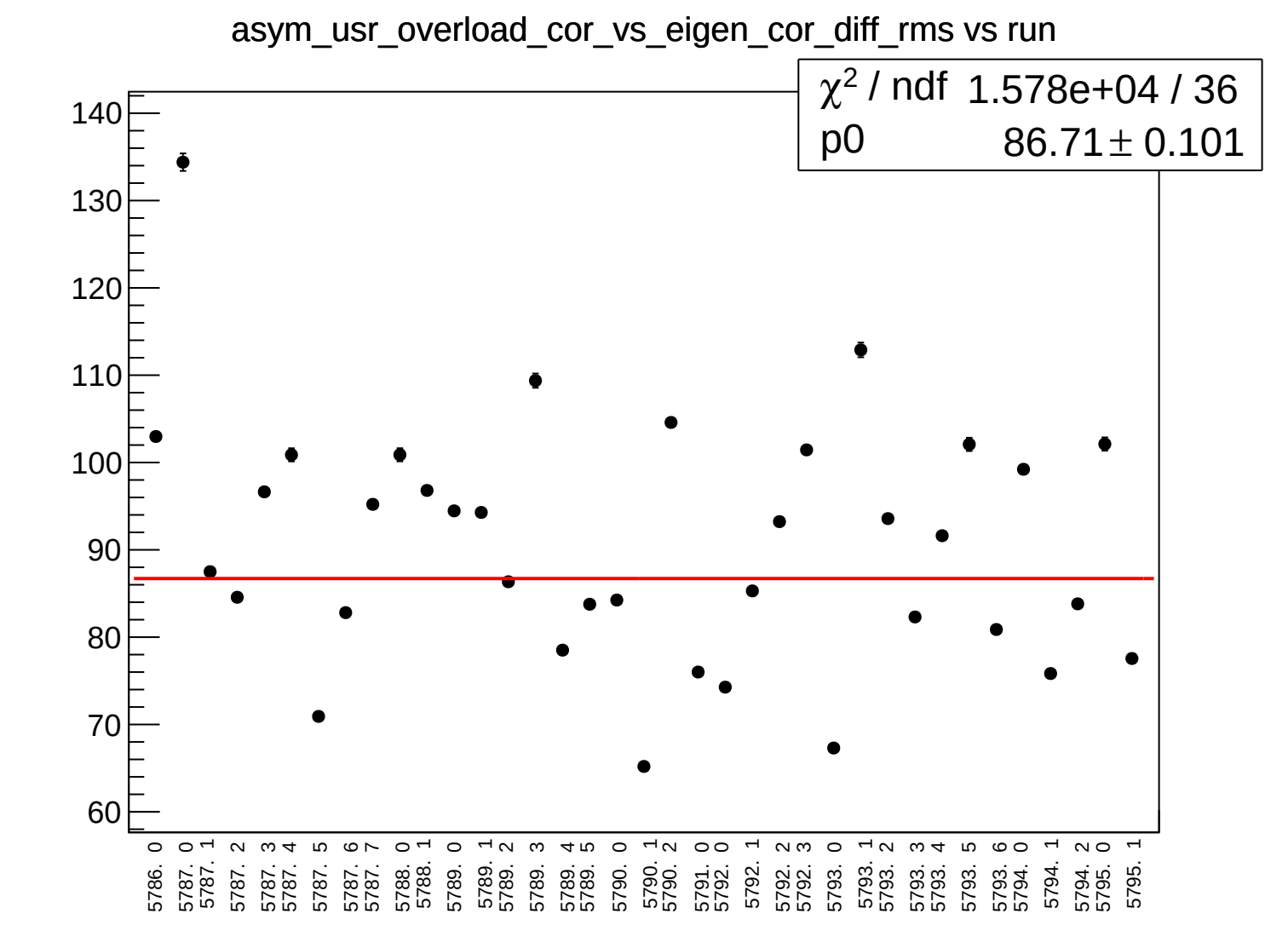

pull1D
Entries 37
Mean −0.1702
Std Dev 1.115
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

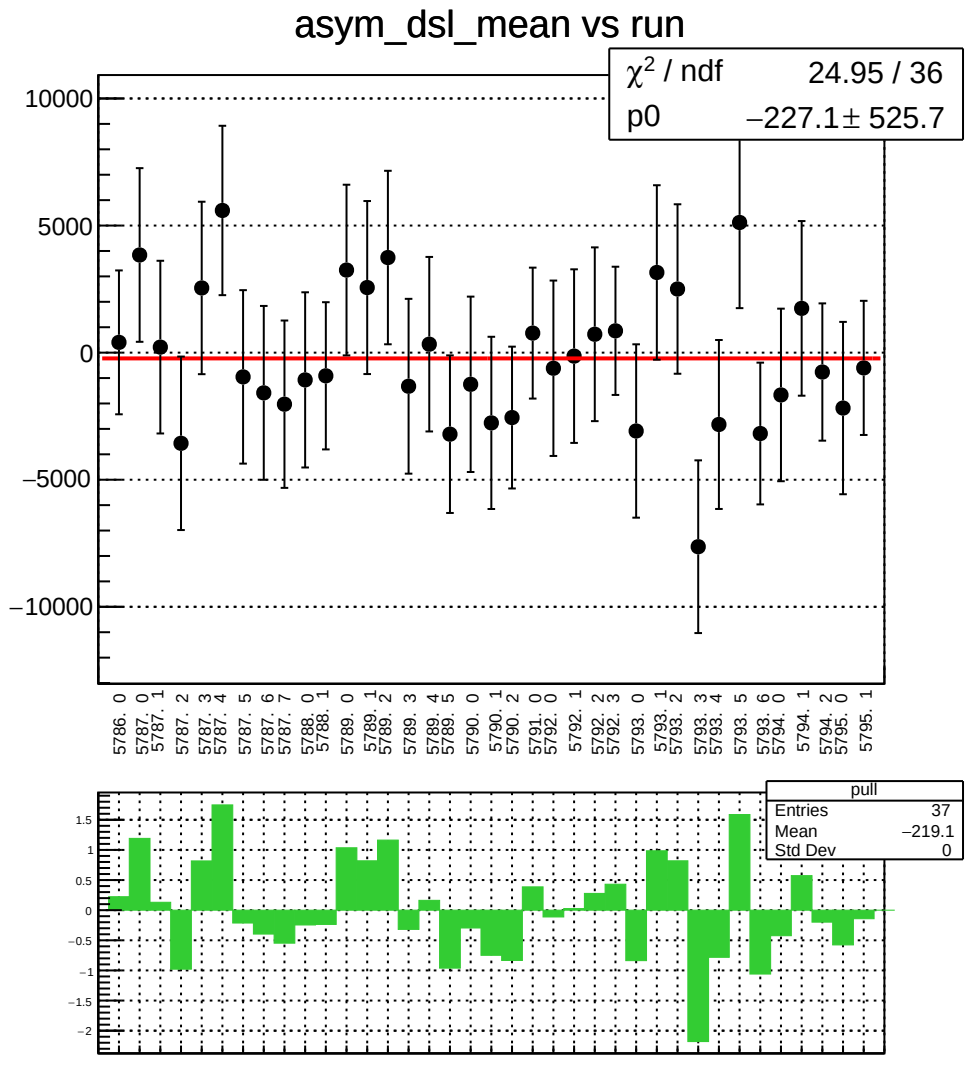

asym_usr_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.978e+05 / 36
p0 8.731e−11 ± 1.172e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

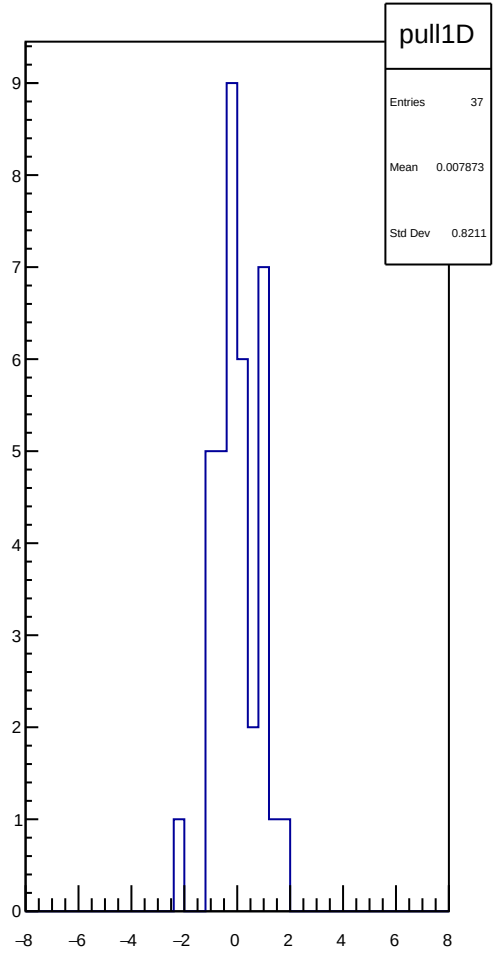

asym_usr_overload_cor_vs_cor_diff_mean vs run
χ² / ndf 54.44 / 36
p0 0.03632 ± 0.1428
pull
Entries 37
Mean 252.5
Std Dev 0
pull1D
Entries 37
Mean −0.0156
Std Dev 1.213

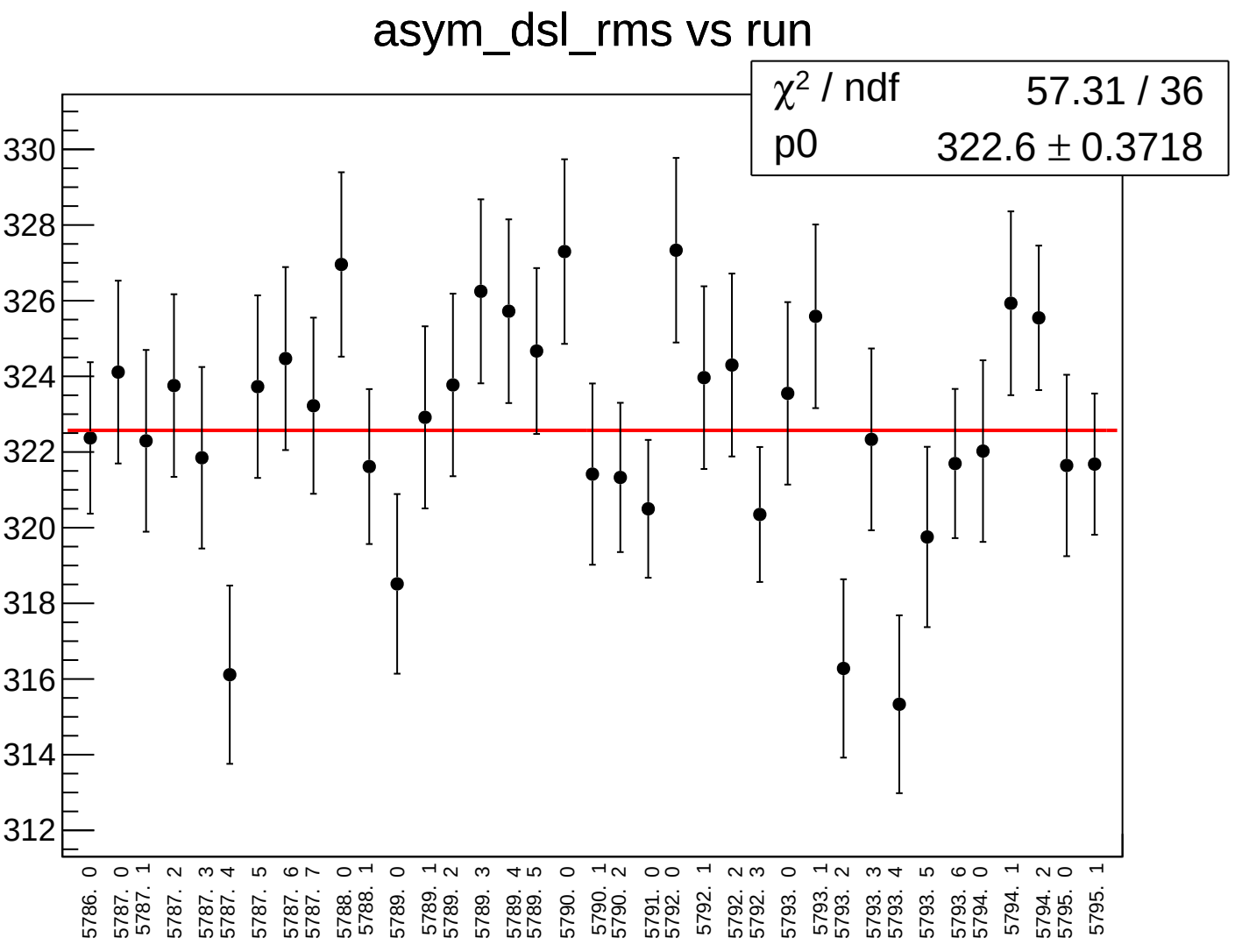

asym_usr_overload_cor_vs_cor_diff_rms vs run
χ^2 / ndf 1.578e+04 / 36
p0 86.71 ± 0.101
140
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

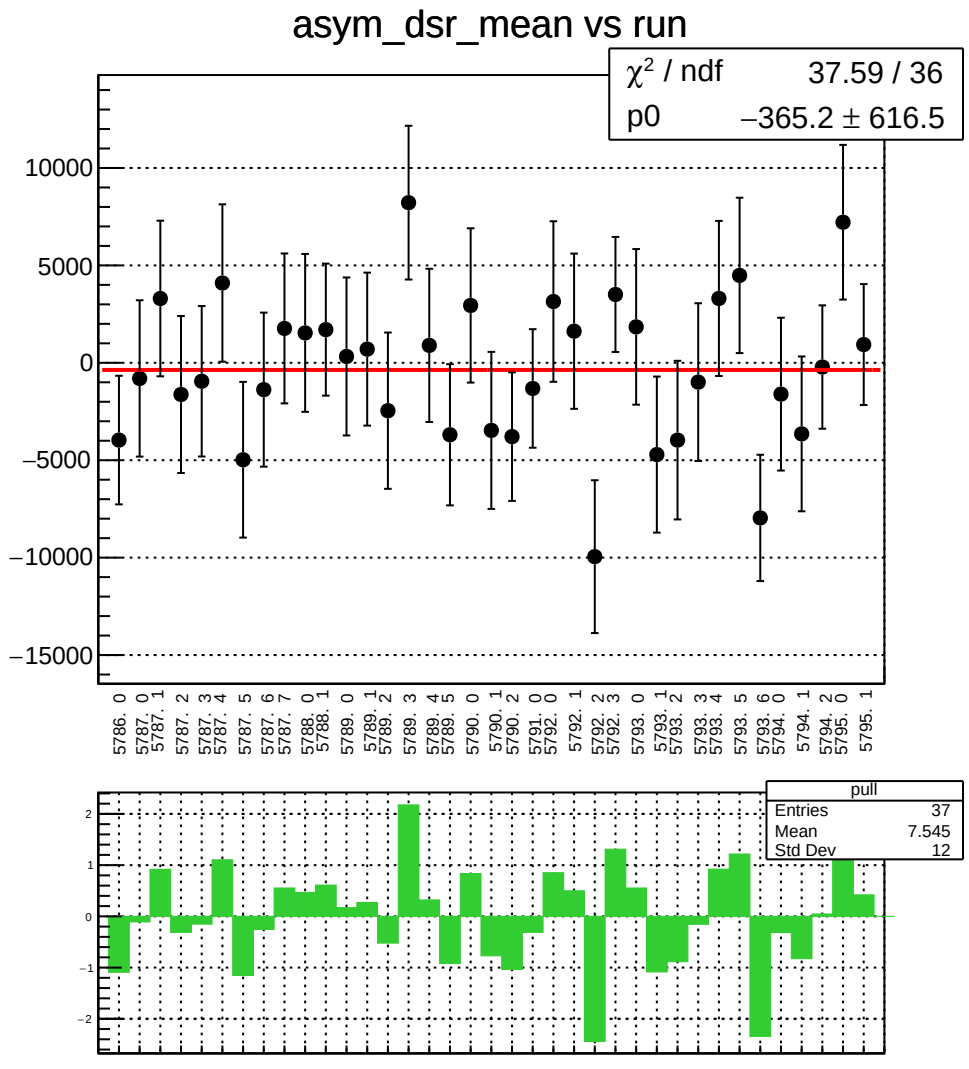

asym_usr_overload_cor_vs_eigen_cor_diff_mean vs run
χ² / ndf 54.44 / 36
p0 0.03632 ± 0.1428
pull
Entries 37
Mean 252.5
Std Dev 0
pull1D
Entries 37
Mean −0.0156
Std Dev 1.213

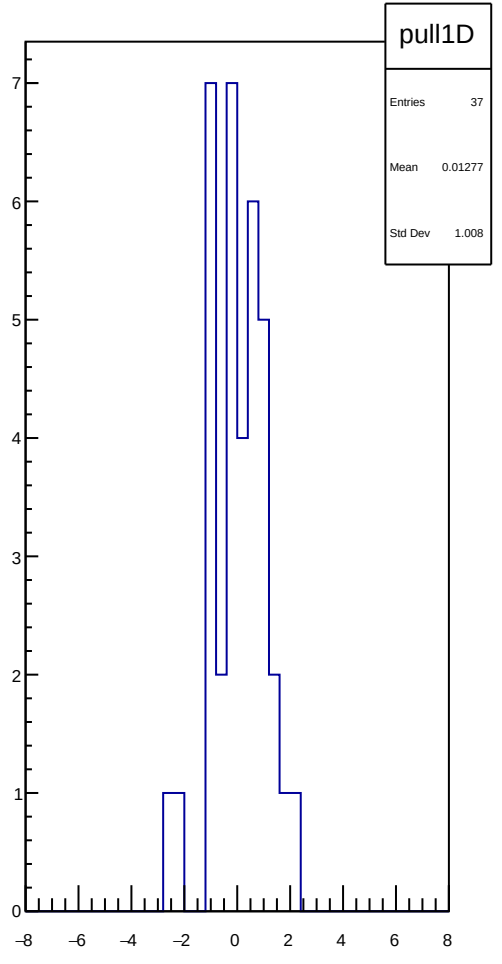

asym_usr_overload_cor_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.578e+04 / 36
p0 86.71 ± 0.101
140
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

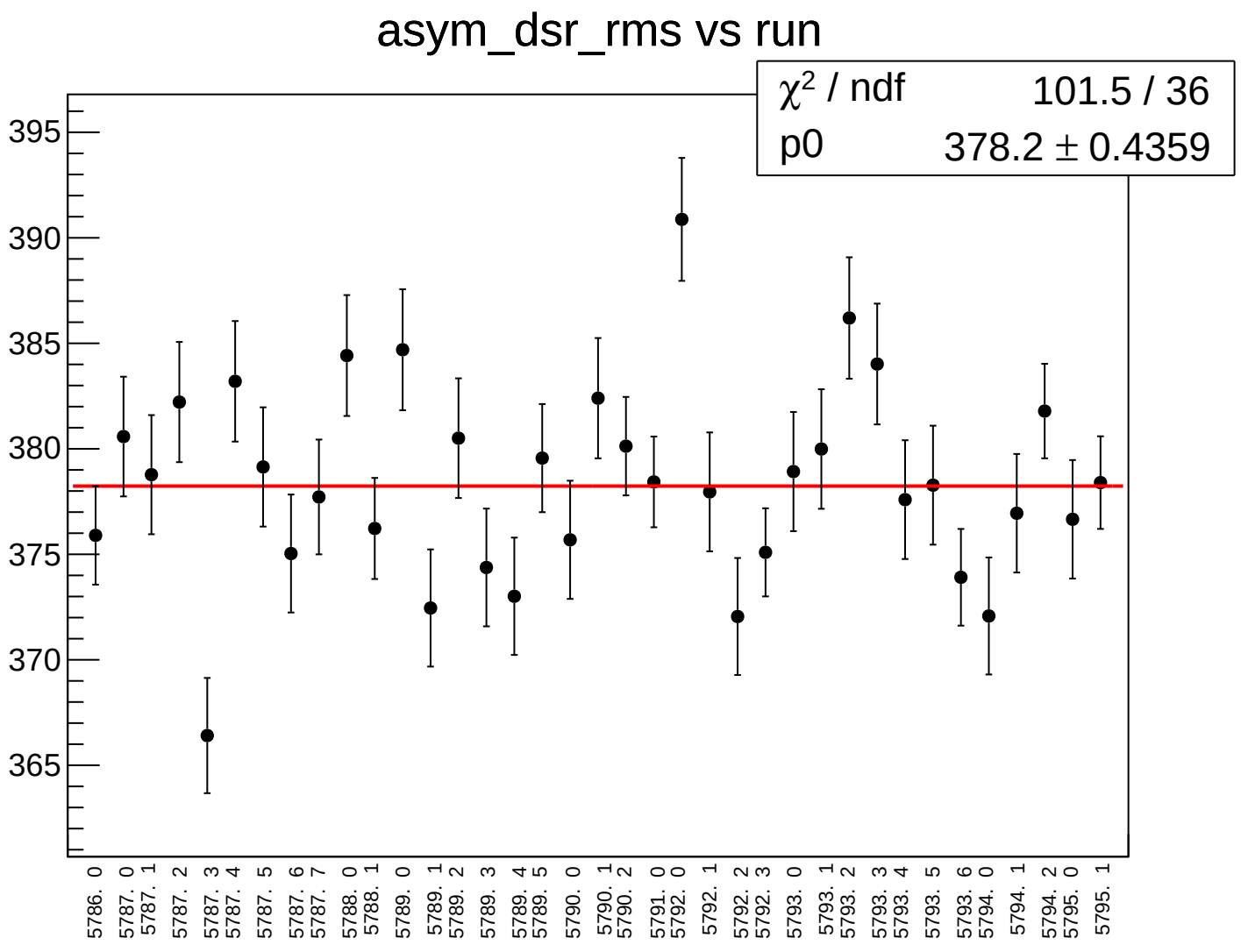

asym_dsl_mean vs run
χ² / ndf 24.95 / 36
p0 −227.1 ± 525.7
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −219.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

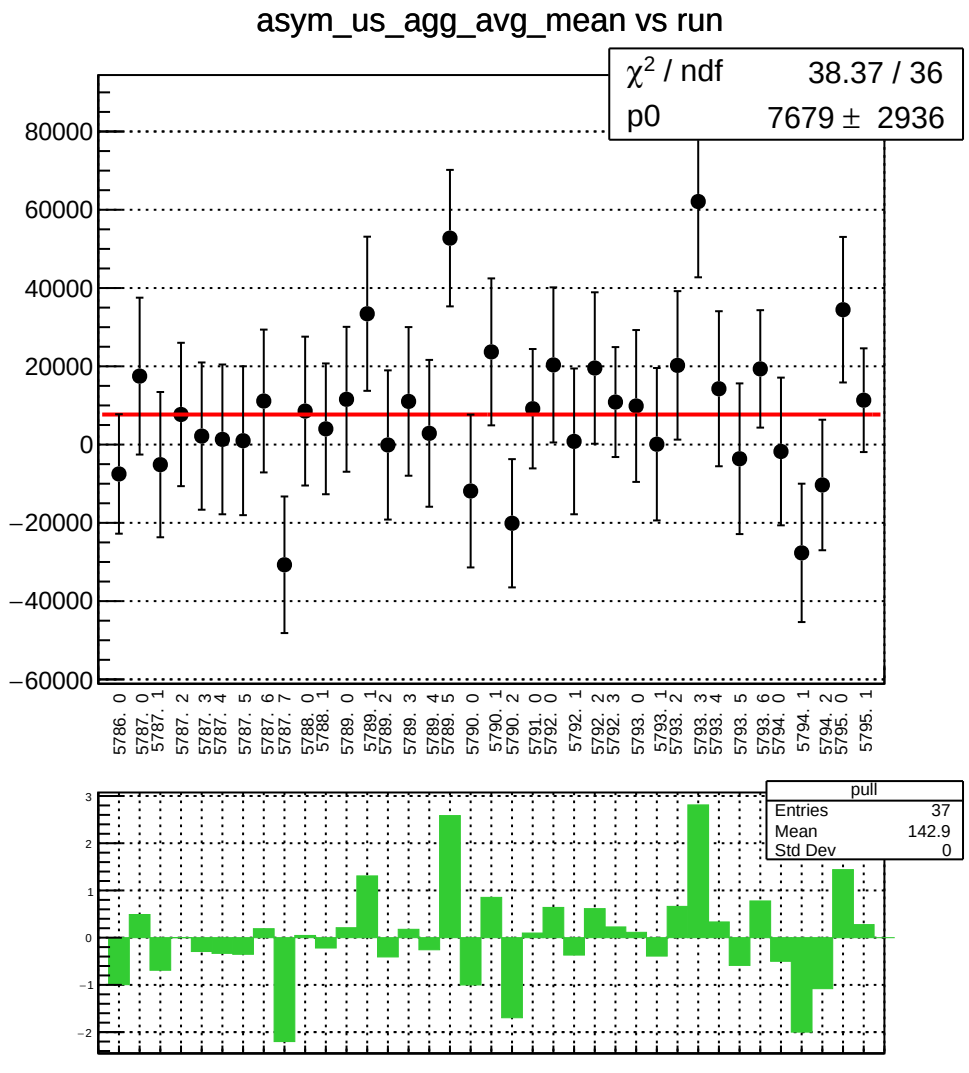

pull1D
Entries 37
Mean 0.007873
Std Dev 0.8211
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

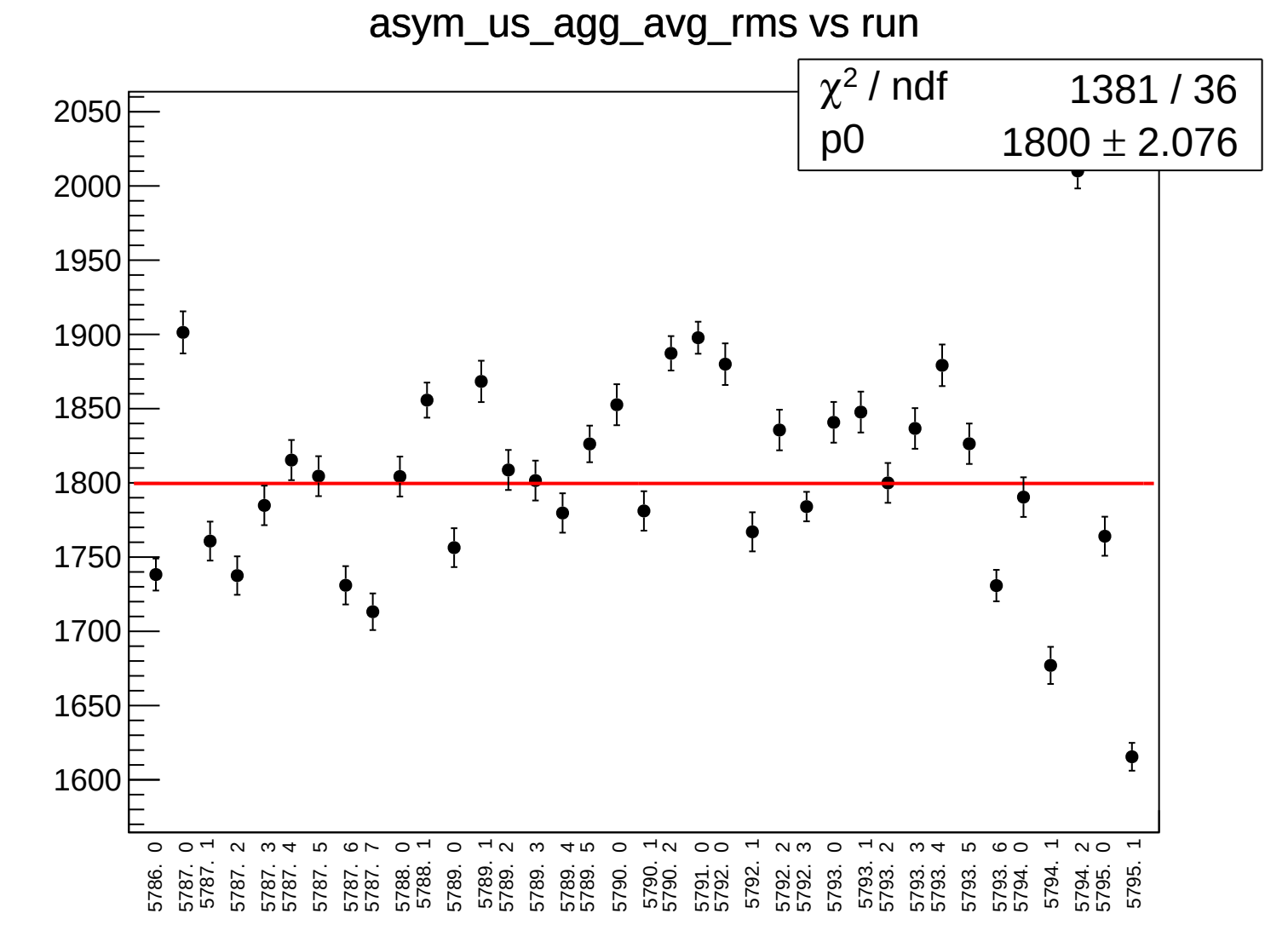

asym_dsl_rms vs run
χ² / ndf 57.31 / 36
p0 322.6 ± 0.3718
330
328
326
324
322
320
318
316
314
312
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

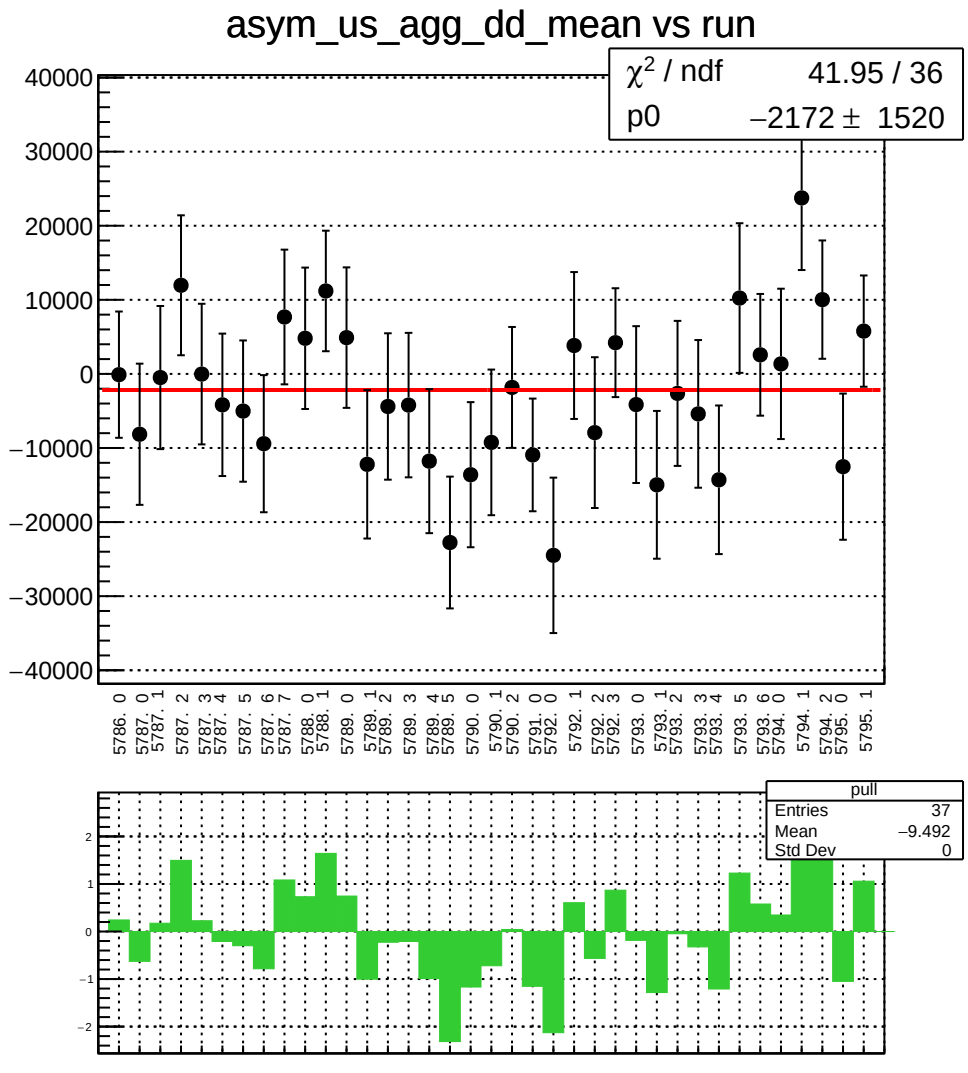

asym_dsr_mean vs run
χ² / ndf 37.59 / 36
p0 −365.2 ± 616.5
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.545
Std Dev 12
2
1
0
−1
−2

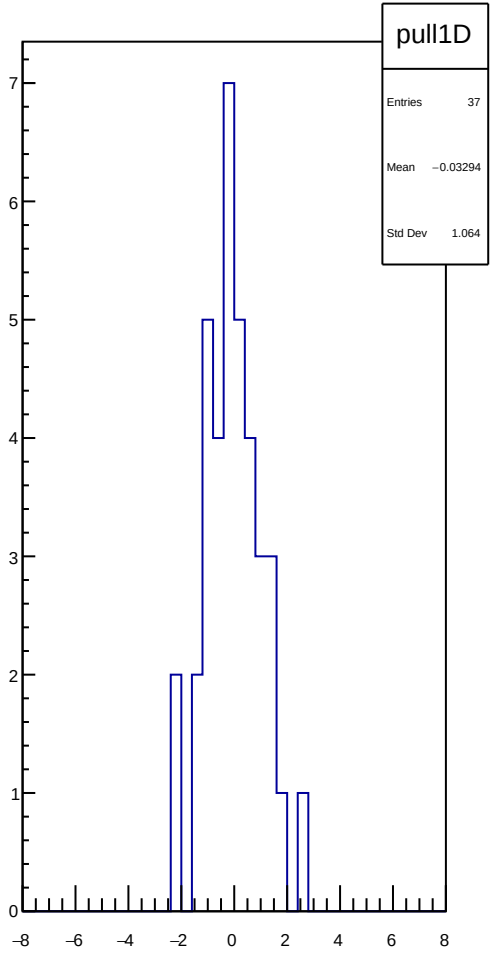

pull1D
Entries 37
Mean 0.01277
Std Dev 1.008
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

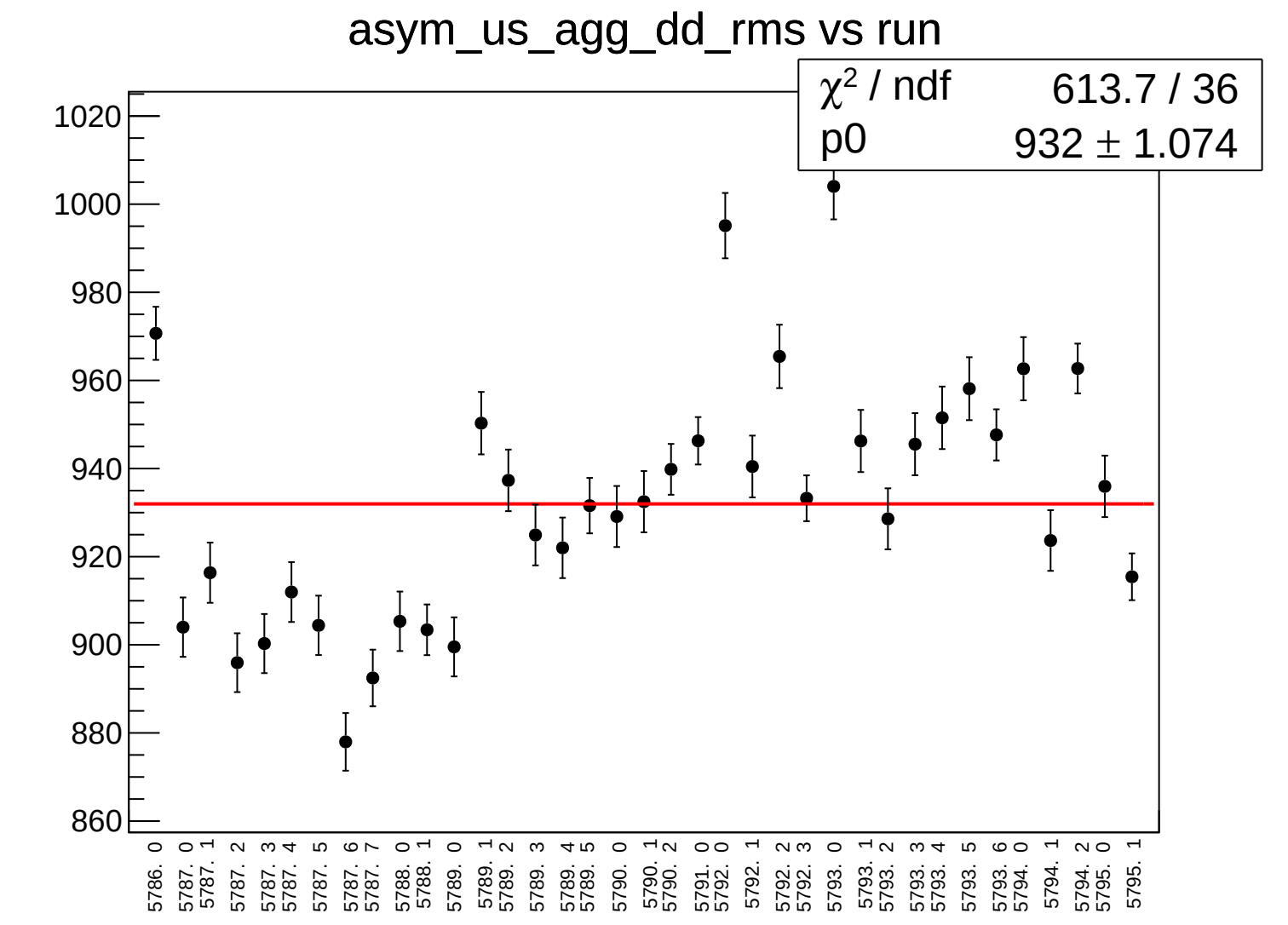

asym_dsr_rms vs run
χ² / ndf 101.5 / 36
p0 378.2 ± 0.4359
395
390
385
380
375
370
365
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

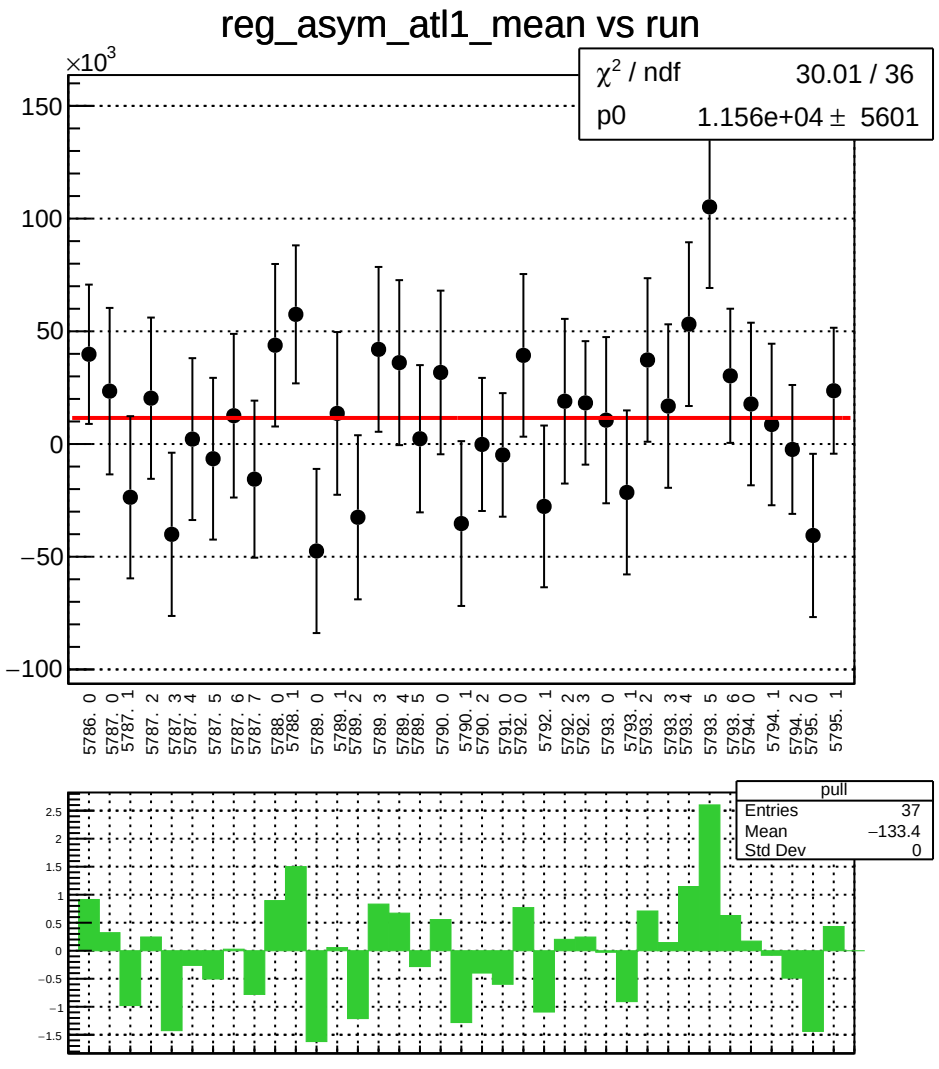

asym_us_agg_avg_mean vs run
χ² / ndf 38.37 / 36
p0 7679 ± 2936
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 142.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01307
Std Dev 1.018
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

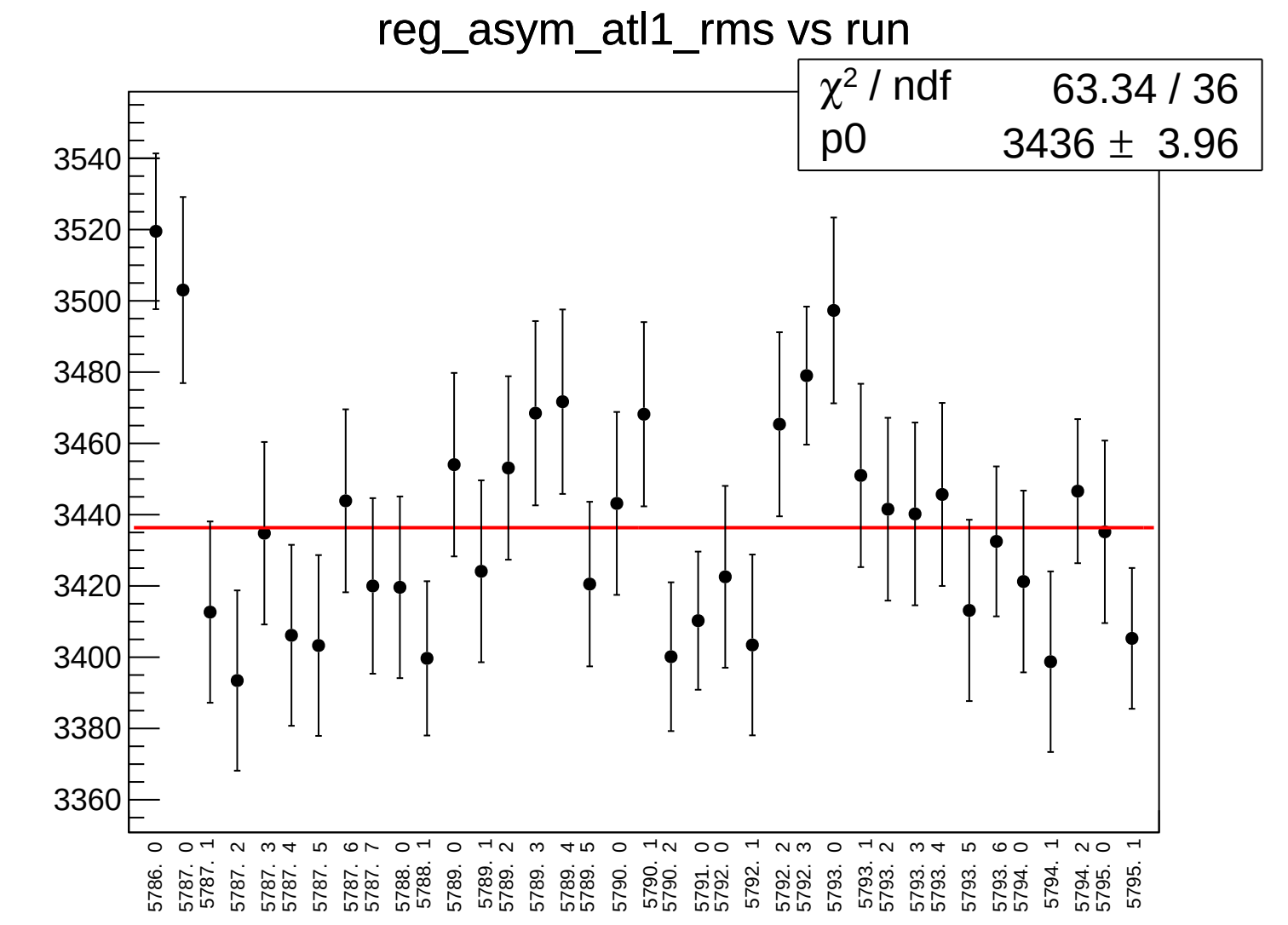

asym_us_agg_avg_rms vs run
χ^2 / ndf 1381 / 36
p0 1800 ± 2.076
2050
2000
1950
1900
1850
1800
1750
1700
1650
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

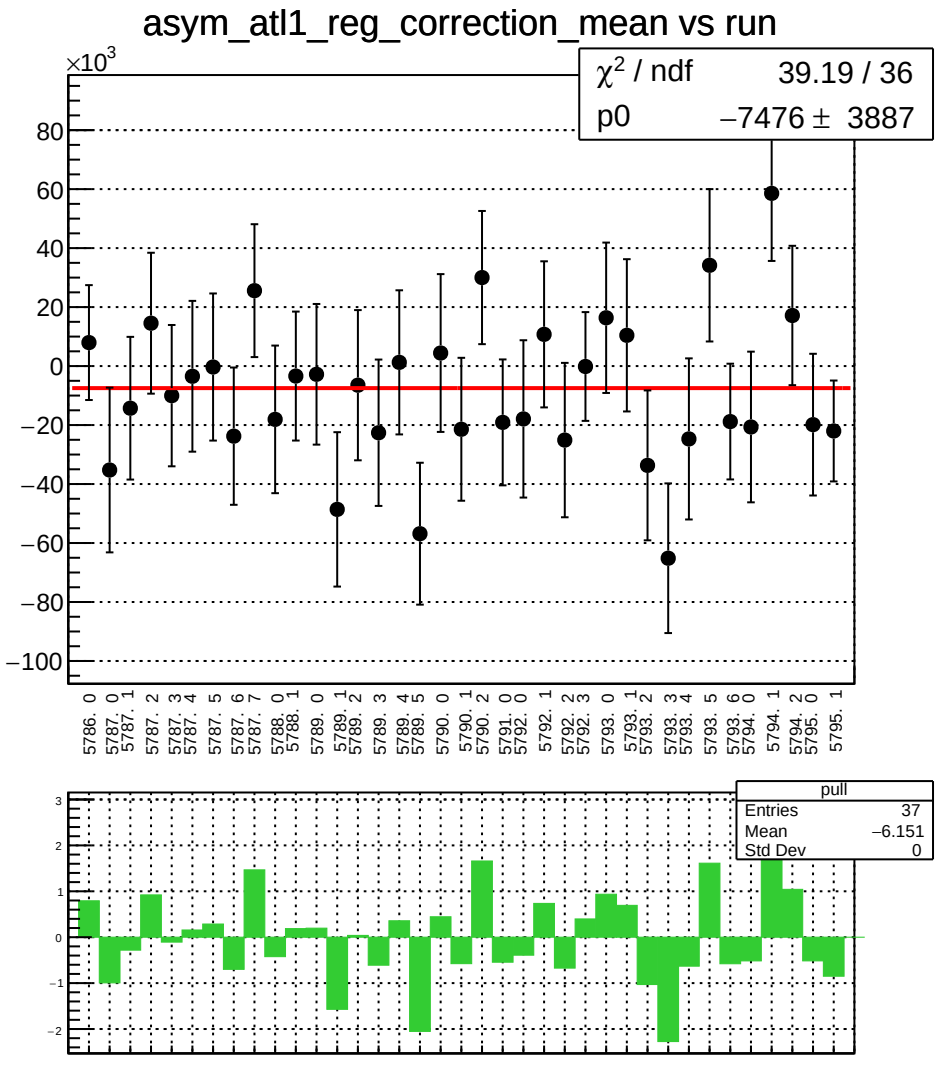

asym_us_agg_dd_mean vs run
χ² / ndf 41.95 / 36
p0 −2172 ± 1520
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.492
Std Dev 0
2
1
0
−1
−2

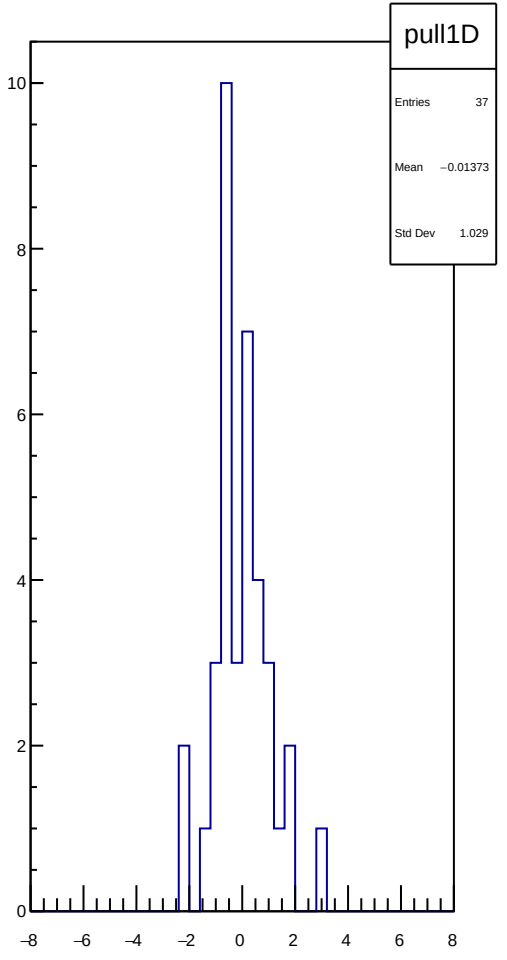

pull1D
Entries 37
Mean −0.03294
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

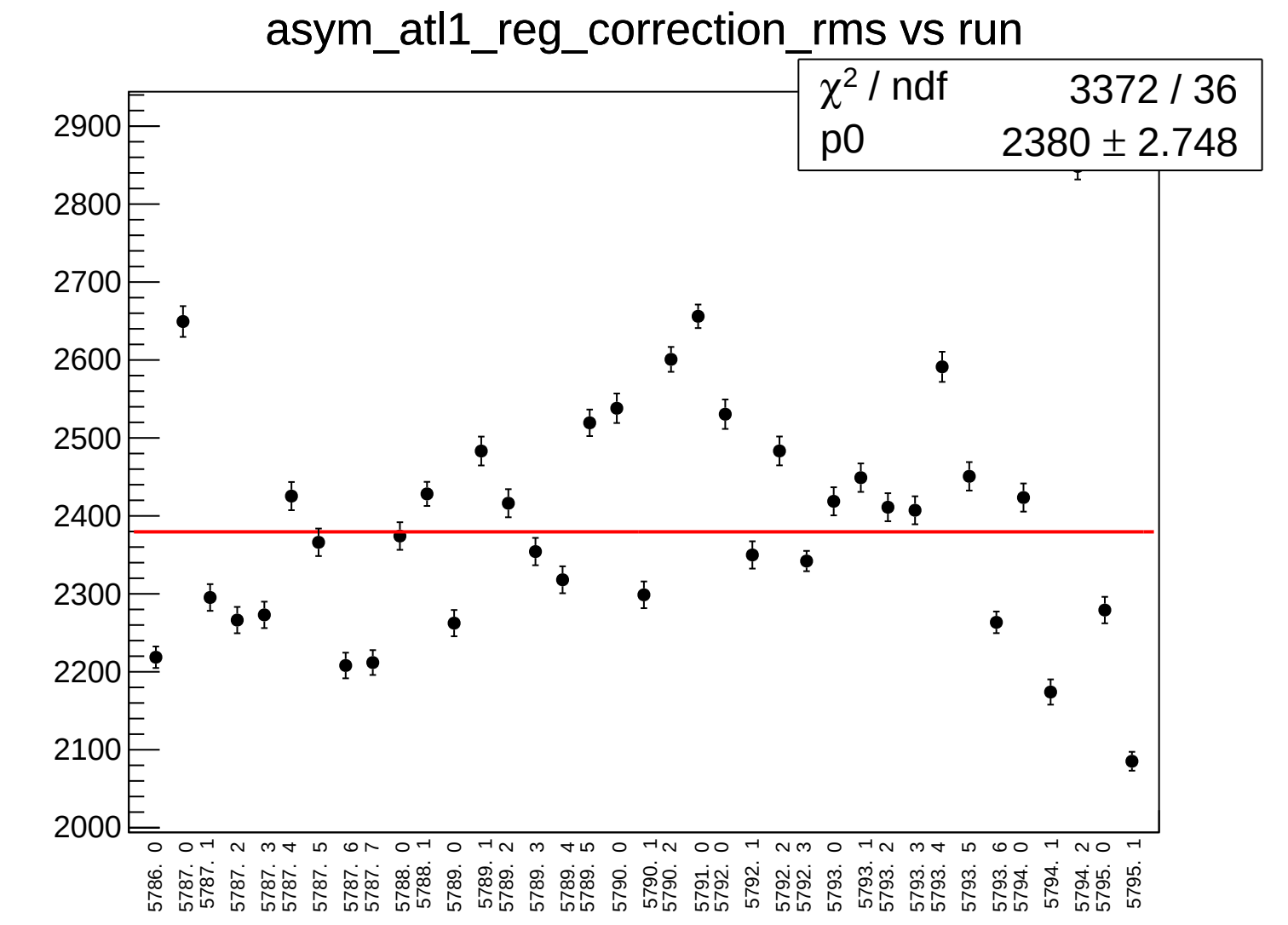

asym_us_agg_dd_rms vs run
χ² / ndf 613.7 / 36
p0 932 ± 1.074
1020
1000
980
960
940
920
900
880
860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

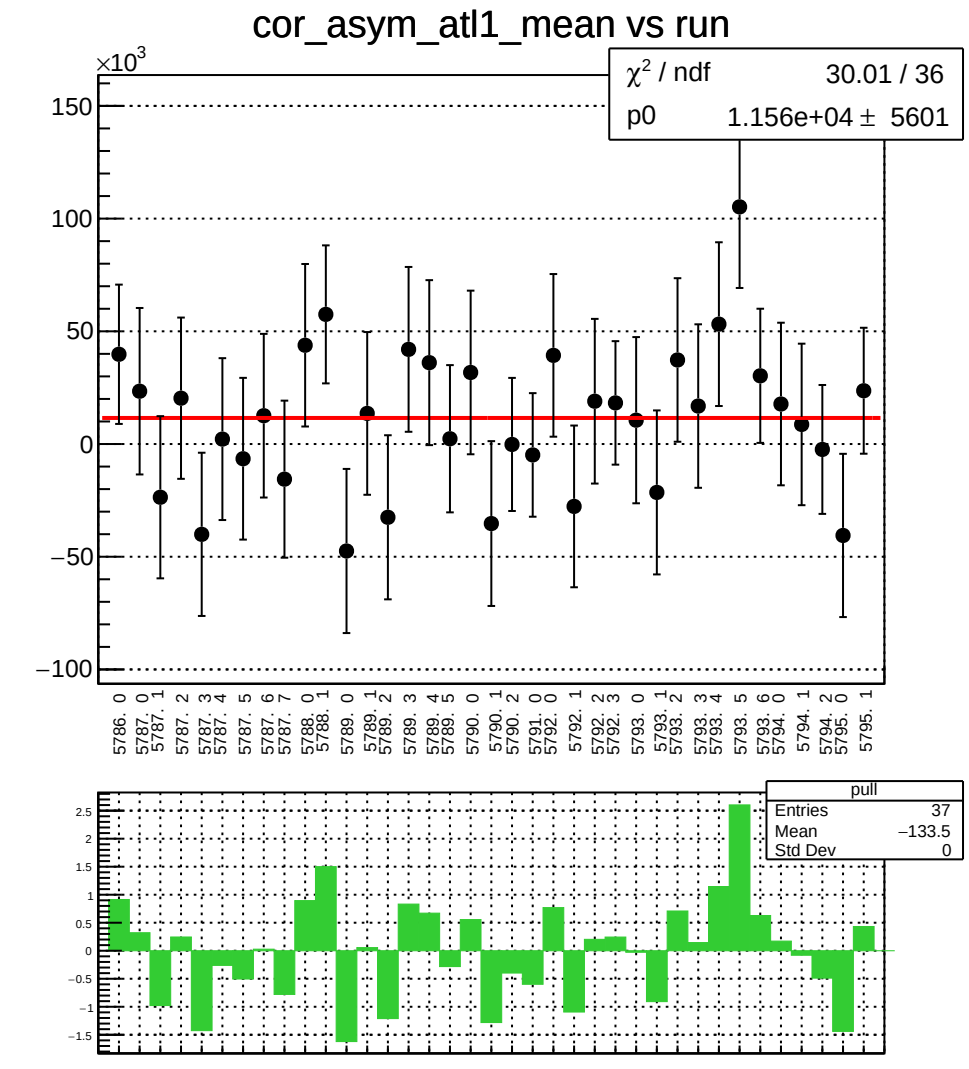

reg_asym_atl1_mean vs run
×10^3
χ² / ndf 30.01 / 36
p0 1.156e+04 ± 5601
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −133.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.008273
Std Dev 0.9006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

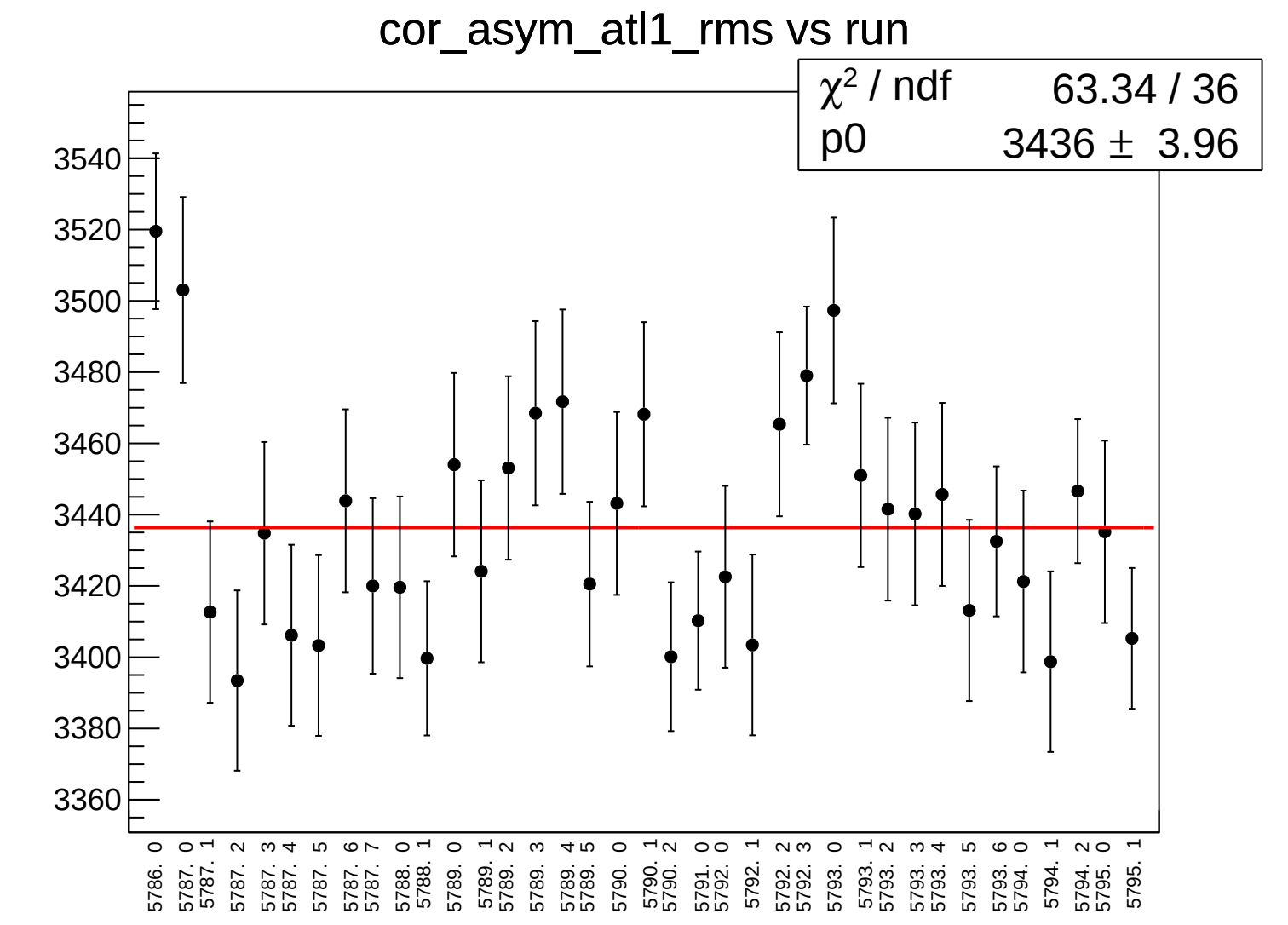

reg_asym_atl1_rms vs run
χ² / ndf 63.34 / 36
p0 3436 ± 3.96
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

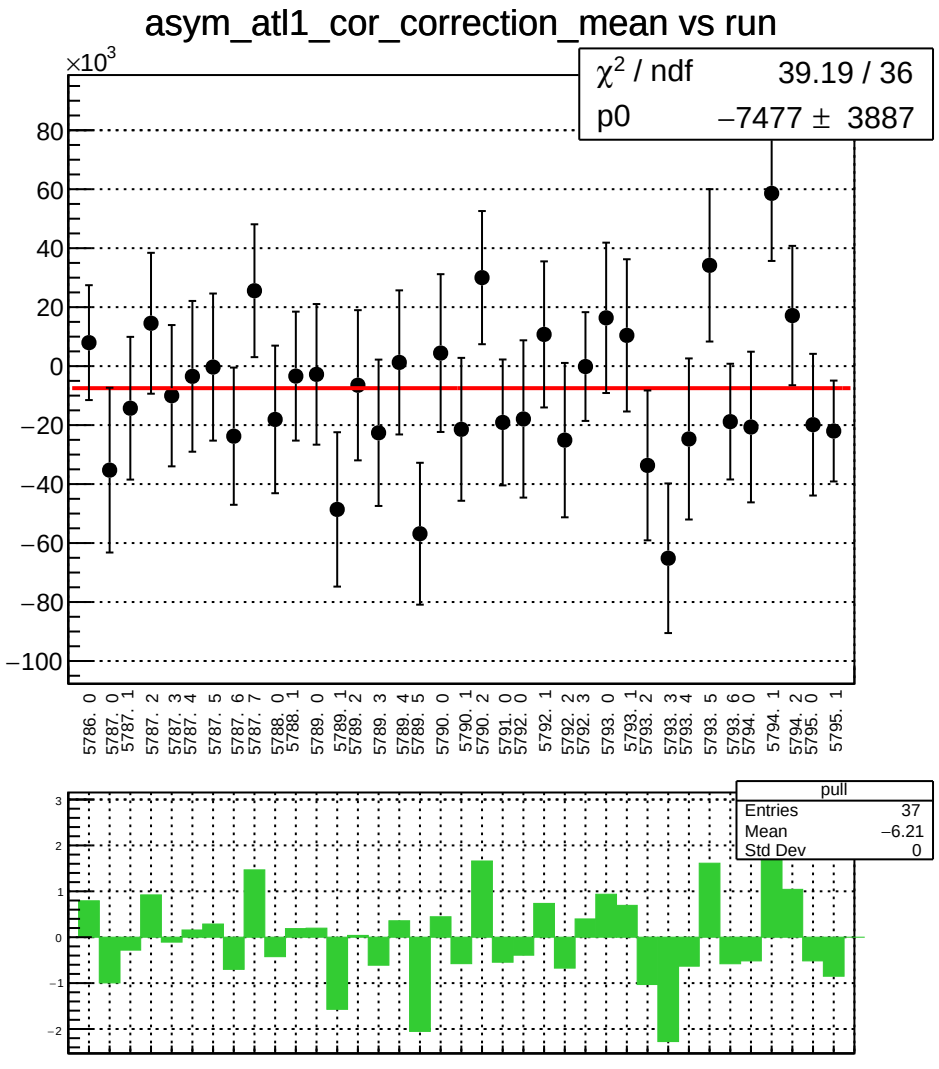

asym_atl1_reg_correction_mean vs run
×10^3
χ^2 / ndf 39.19 / 36
p0 −7476 ± 3887
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.151
Std Dev 0
3
2
1
0
−1
−2

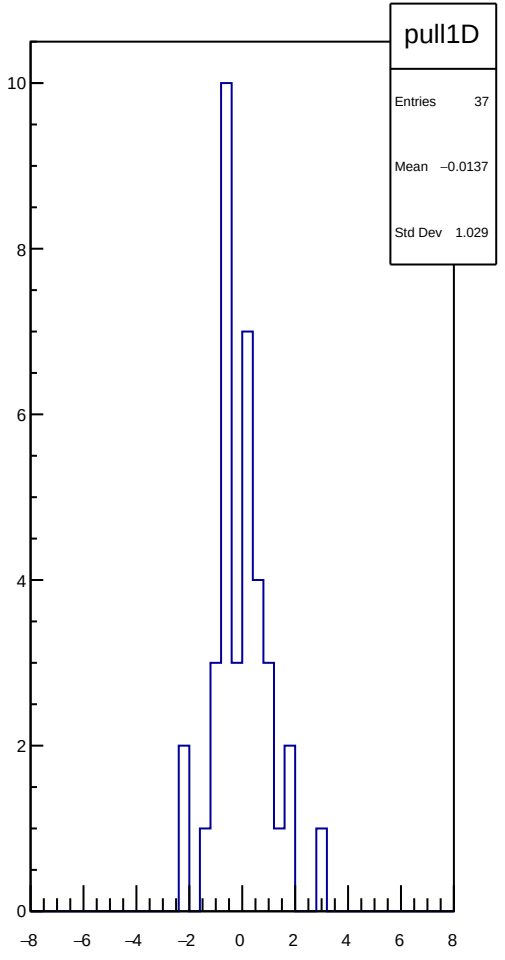

pull1D
Entries 37
Mean −0.01373
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

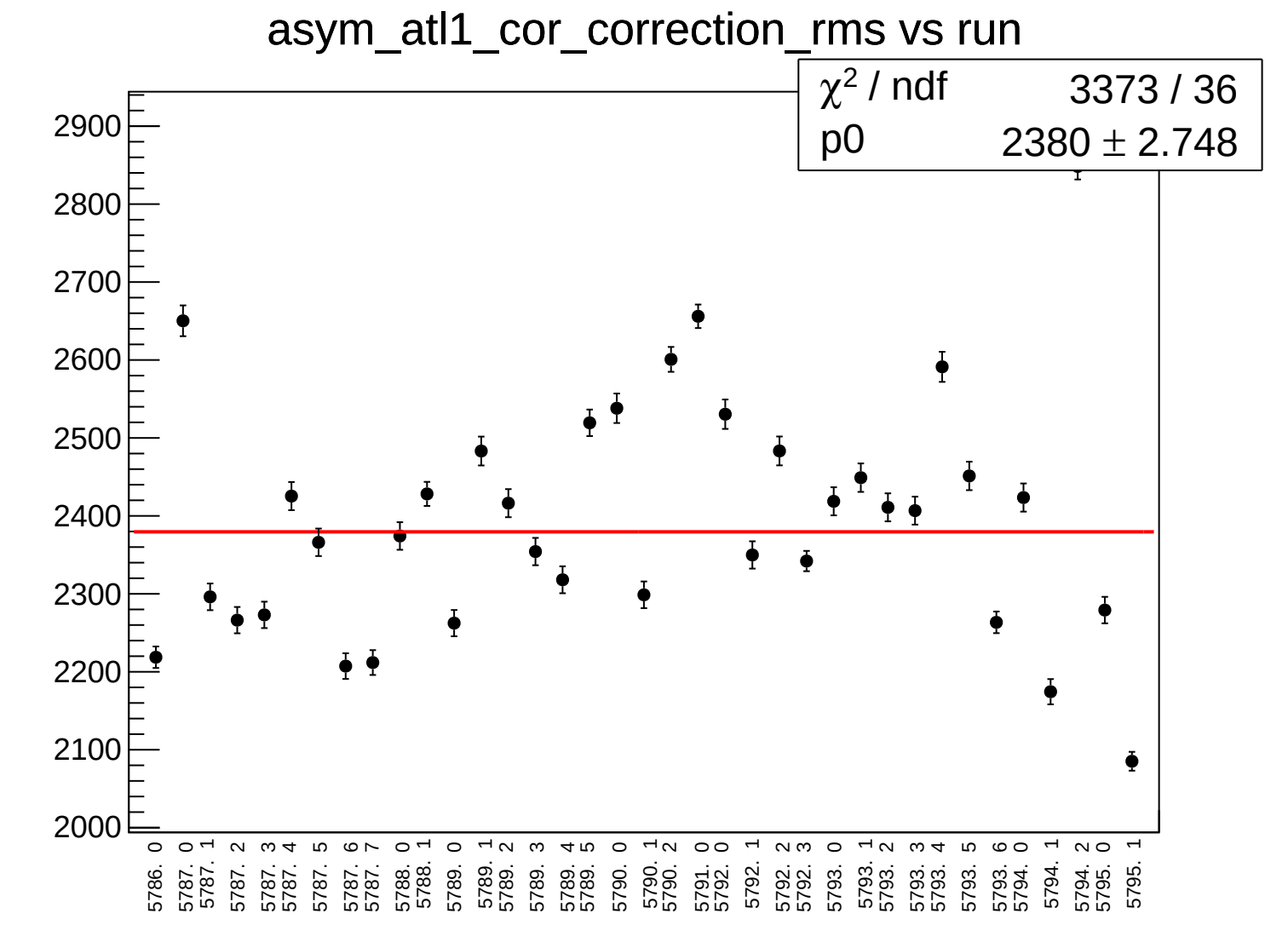

asym_atl1_reg_correction_rms vs run
χ² / ndf 3372 / 36
p0 2380 ± 2.748
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

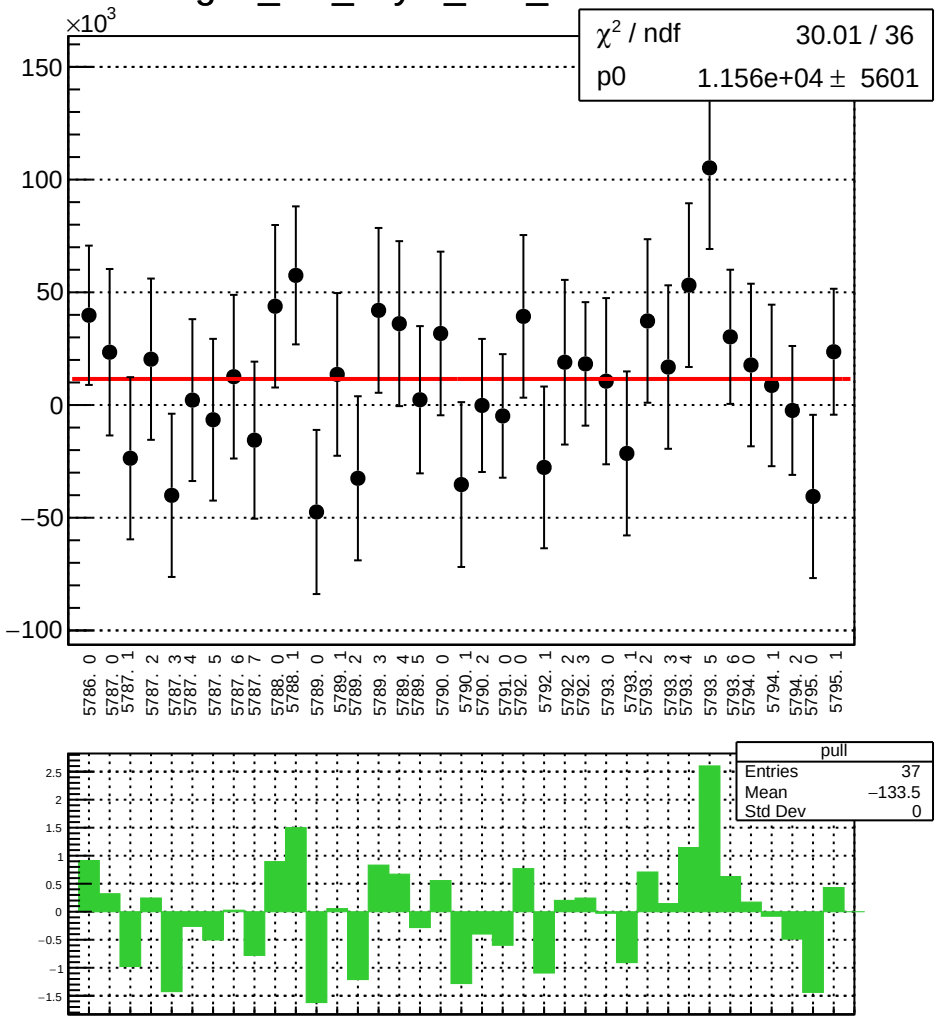

cor_asym_atl1_mean vs run
×10^3
χ² / ndf 30.01 / 36
p0 1.156e+04 ± 5601
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −133.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.008273
Std Dev 0.9006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

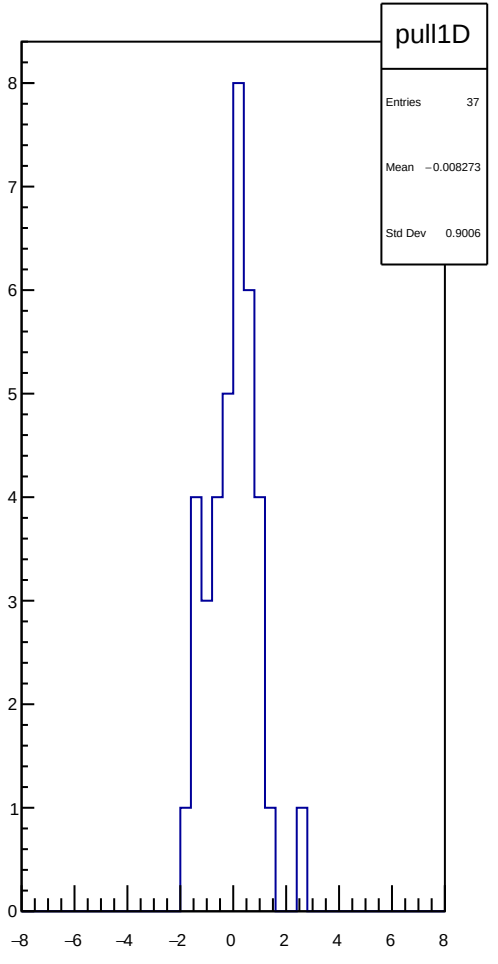

cor_asym_atl1_rms vs run
χ² / ndf 63.34 / 36
p0 3436 ± 3.96
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

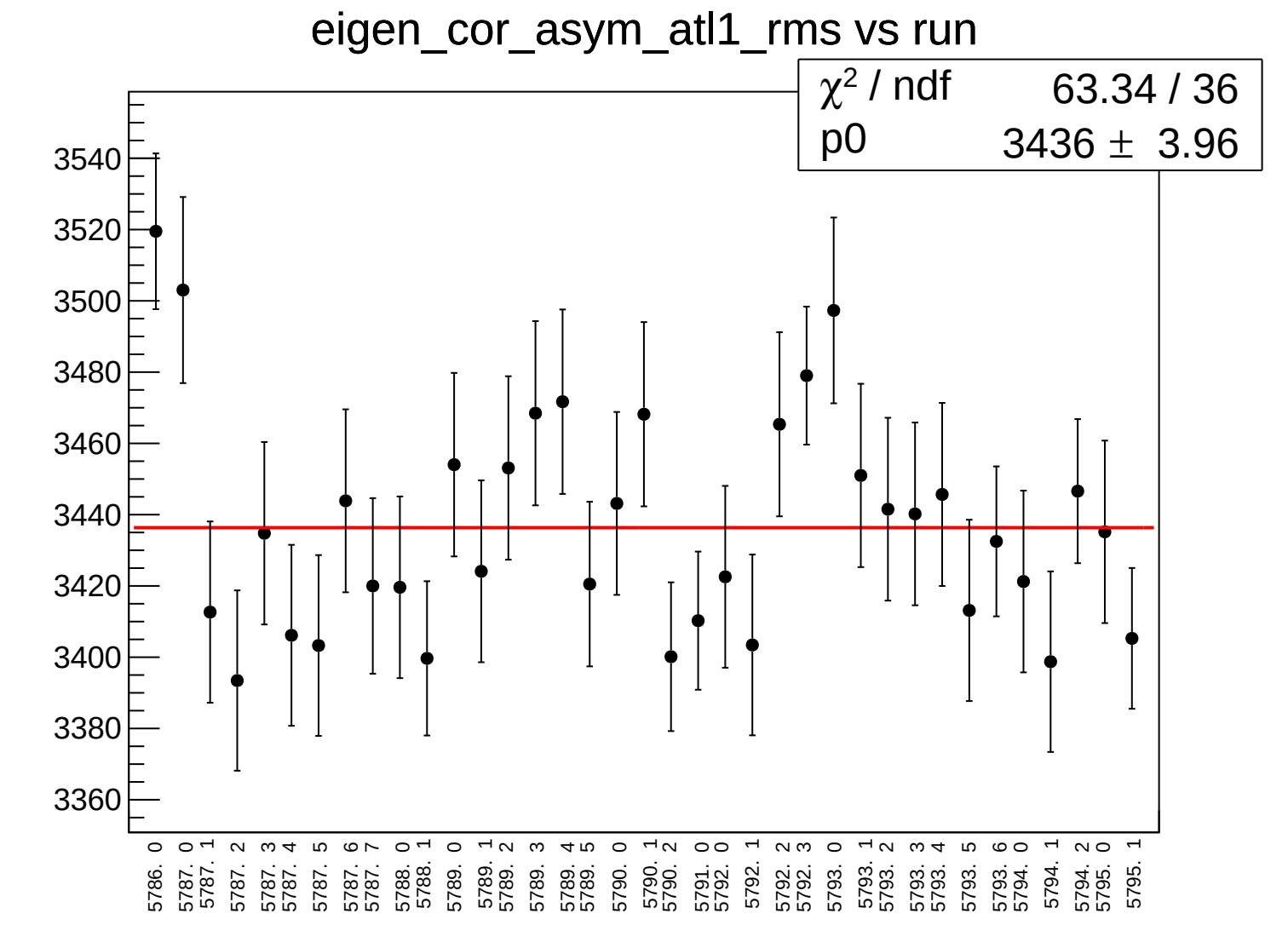

asym_atl1_cor_correction_mean vs run
×10^3
χ² / ndf 39.19 / 36
p0 −7477 ± 3887
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.21
Std Dev 0
3
2
1
0
−1
−2

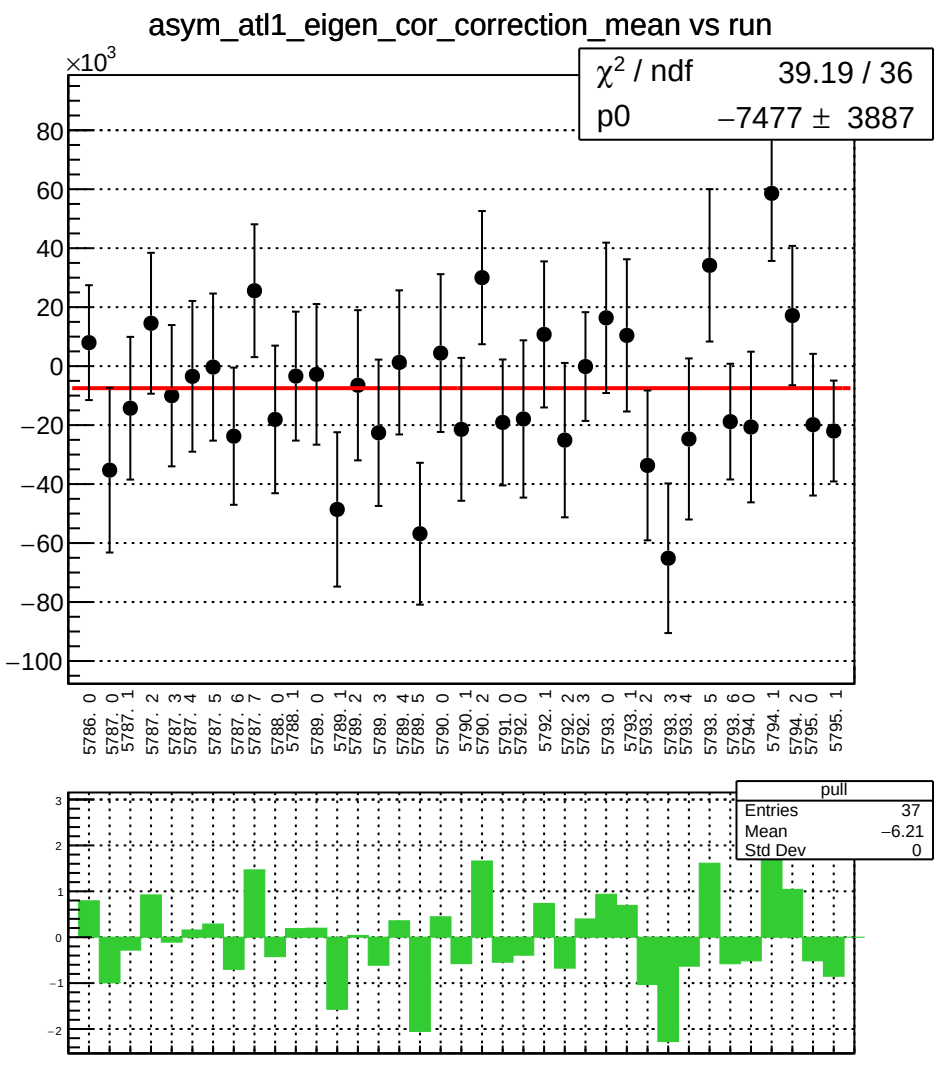

pull1D
Entries 37
Mean −0.0137
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

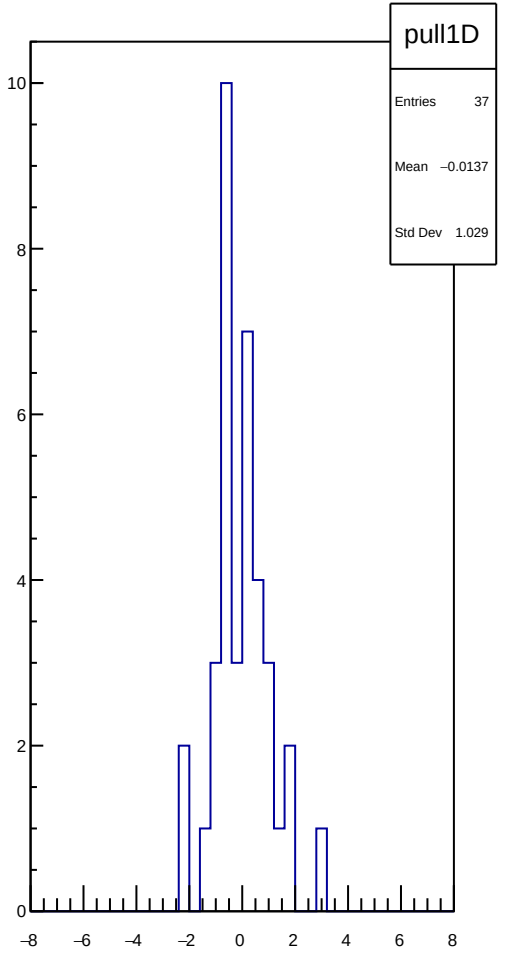

asym_atl1_cor_correction_rms vs run
χ² / ndf 3373 / 36
p0 2380 ± 2.748
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

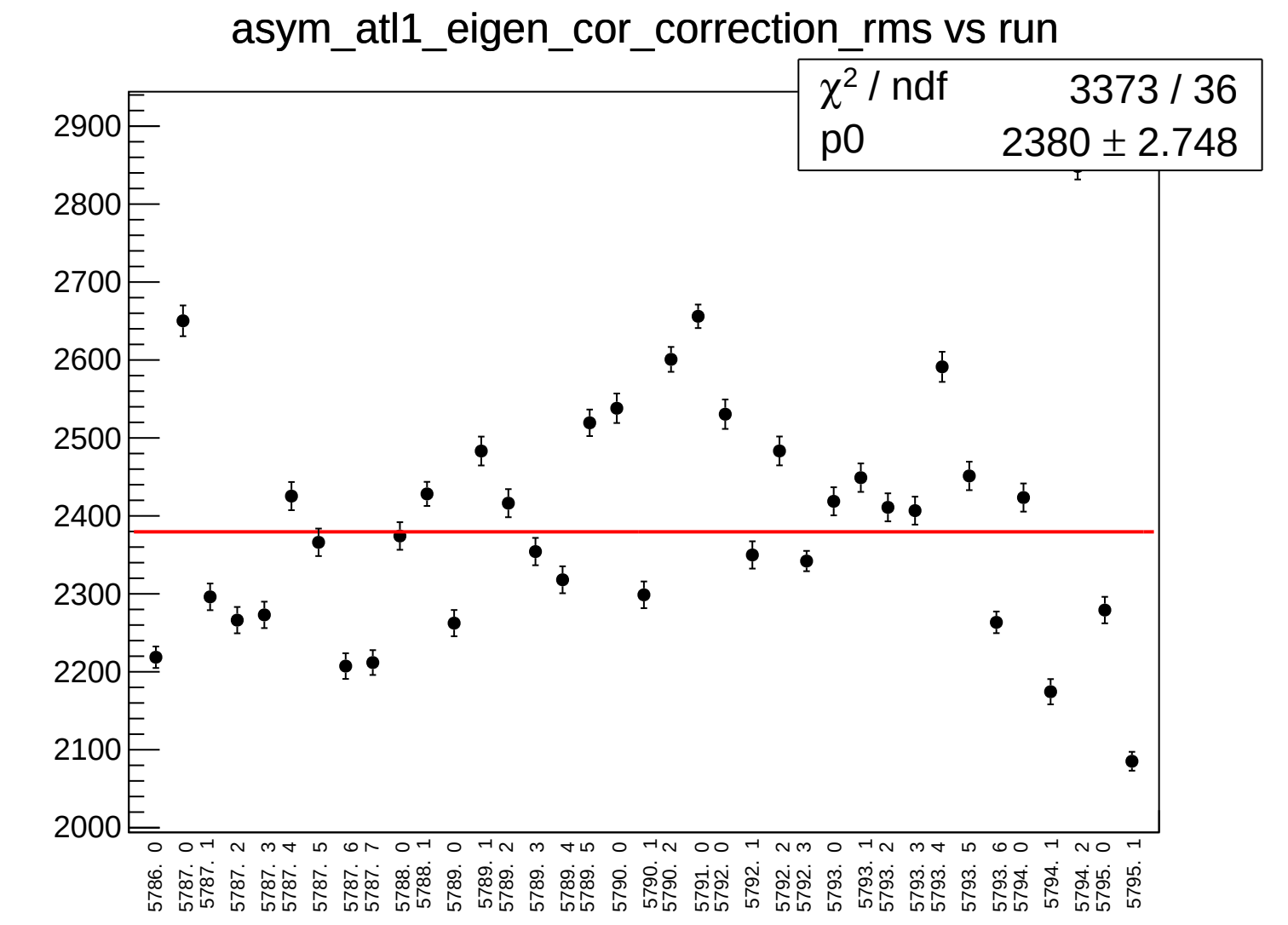

eigen_cor_asym_atl1_mean vs run
×10^3
χ² / ndf 30.01 / 36
p0 1.156e+04 ± 5601
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −133.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

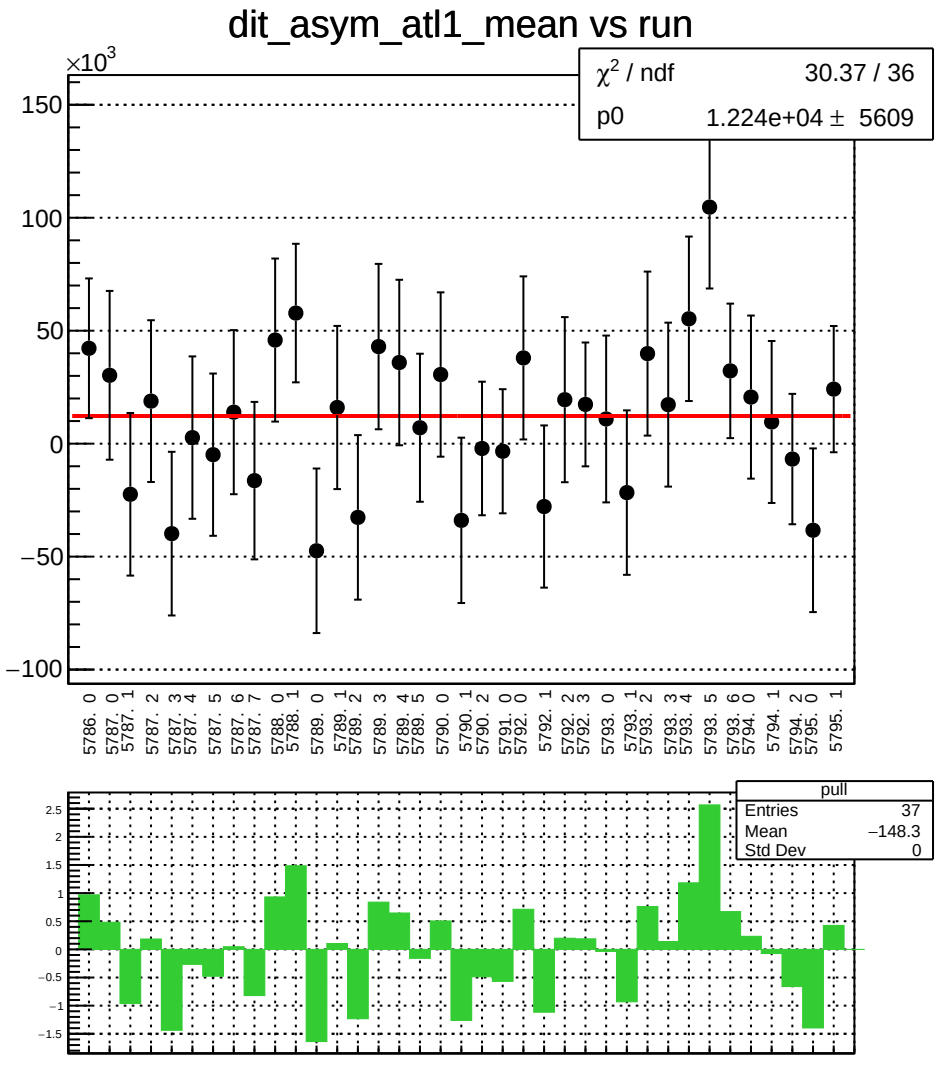

pull1D
Entries 37
Mean −0.008273
Std Dev 0.9006
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

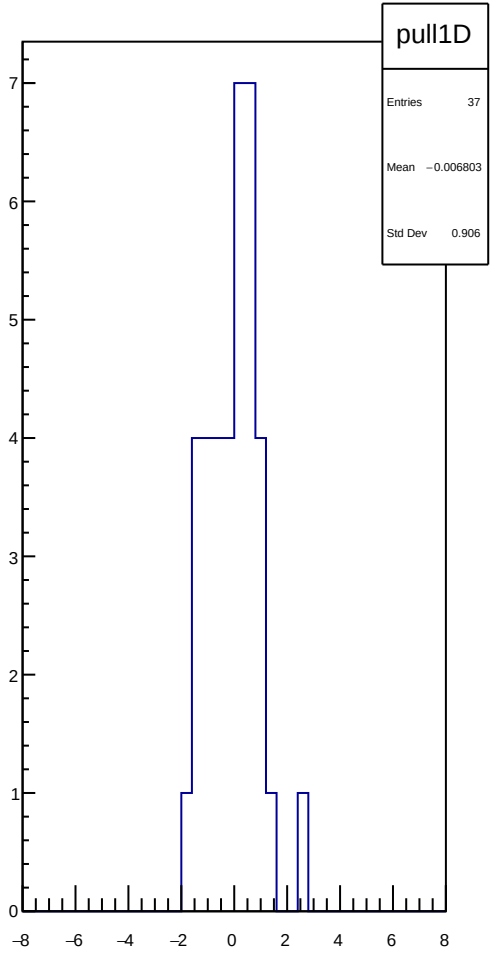

eigen_cor_asym_atl1_rms vs run
χ² / ndf 63.34 / 36
p0 3436 ± 3.96
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

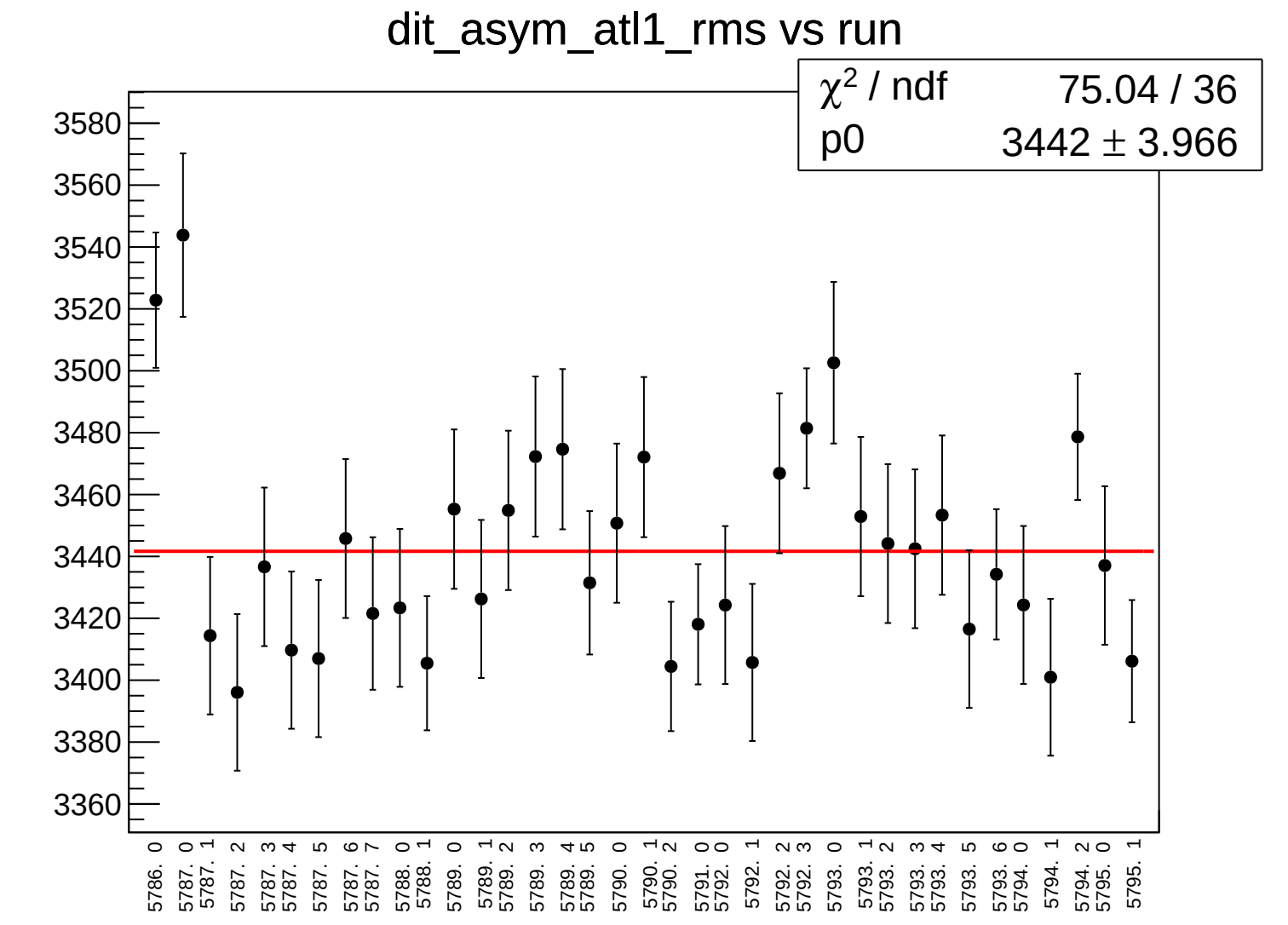

asym_atl1_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 39.19 / 36
p0 −7477 ± 3887
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.21
Std Dev 0
3
2
1
0
−1
−2

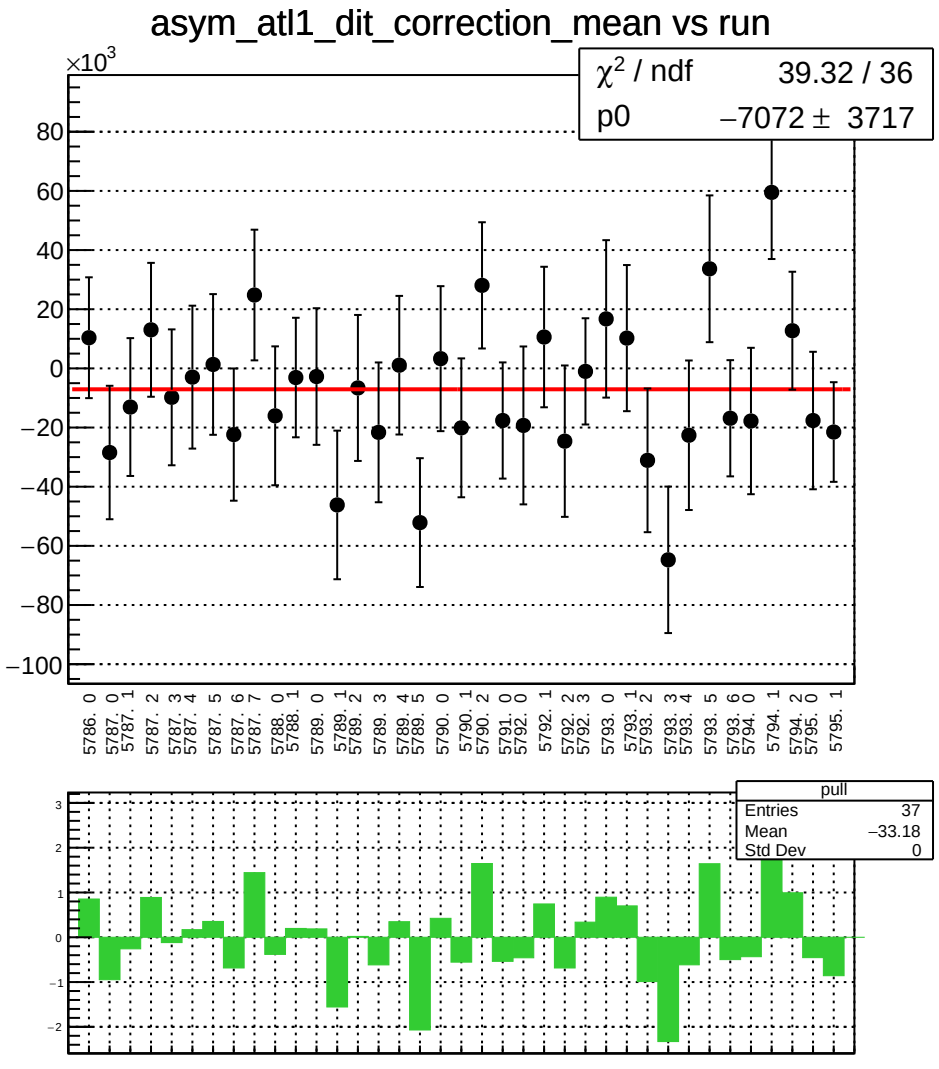

pull1D
Entries 37
Mean −0.0137
Std Dev 1.029
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

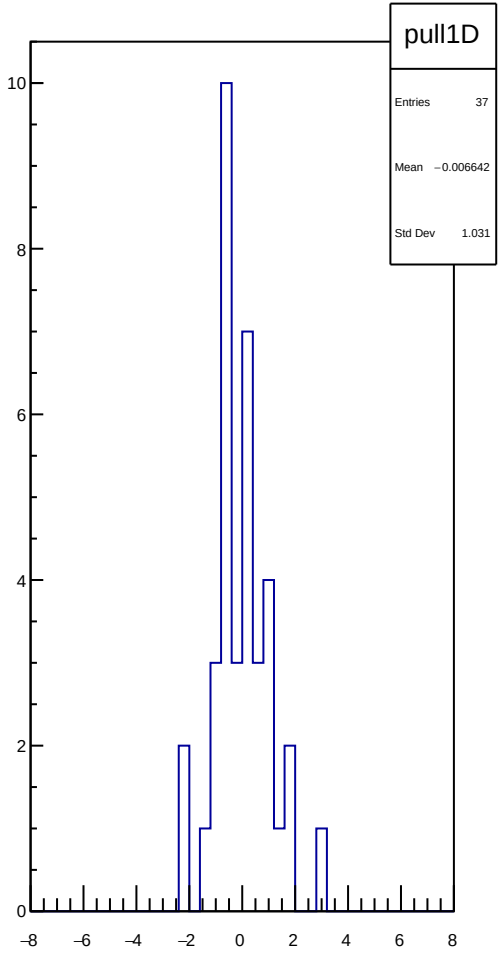

asym_atl1_eigen_cor_correction_rms vs run
χ² / ndf 3373 / 36
p0 2380 ± 2.748
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

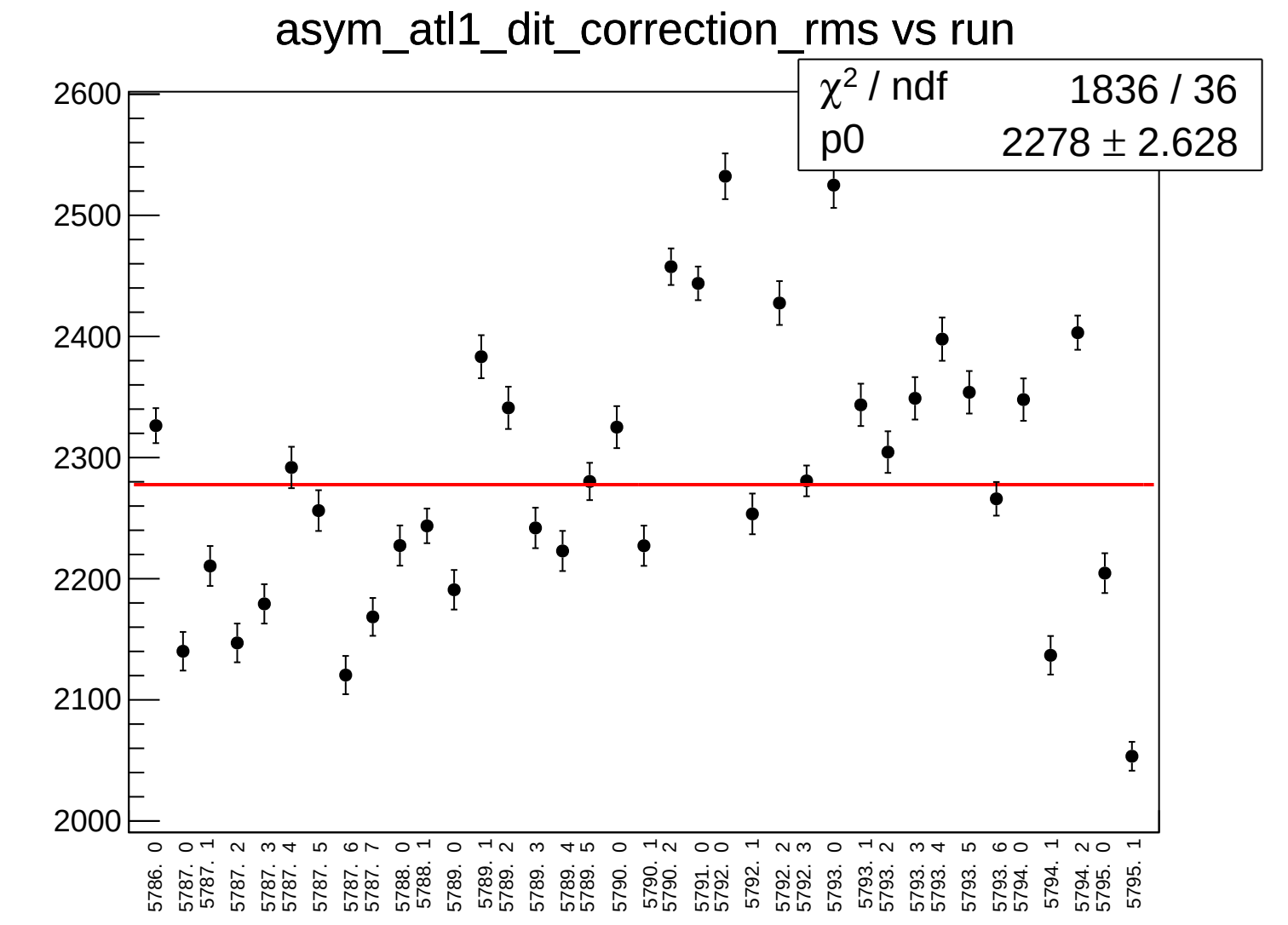

dit_asym_atl1_mean vs run
×10^3
χ² / ndf 30.37 / 36
p0 1.224e+04 ± 5609
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −148.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.006803
Std Dev 0.906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1_rms vs run
χ² / ndf 75.04 / 36
p0 3442 ± 3.966
3580
3560
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1_dit_correction_mean vs run
χ² / ndf 39.32 / 36
p0 −7072 ± 3717
×10³
pull
Entries 37
Mean −33.18
Std Dev 0


pull1D
Entries 37
Mean −0.006642
Std Dev 1.031


asym_atl1_dit_correction_rms vs run
χ² / ndf 1836 / 36
p0 2278 ± 2.628
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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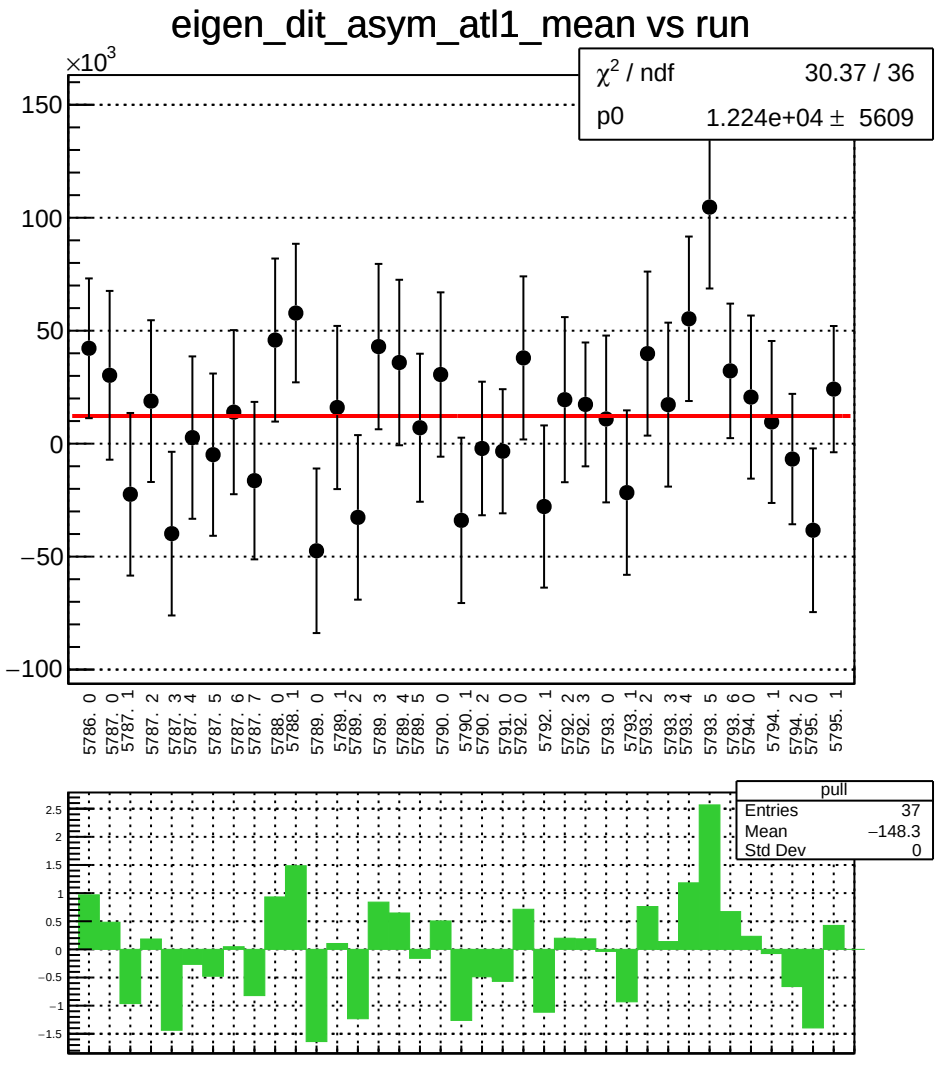
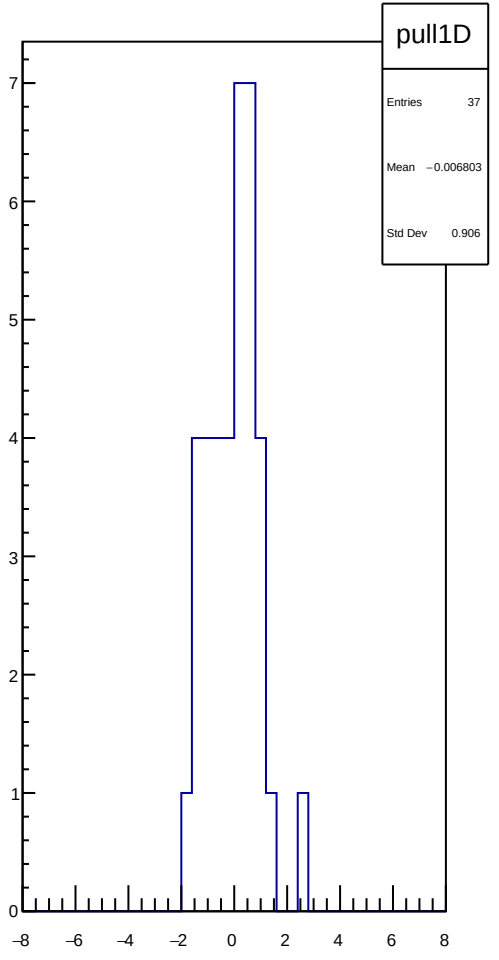
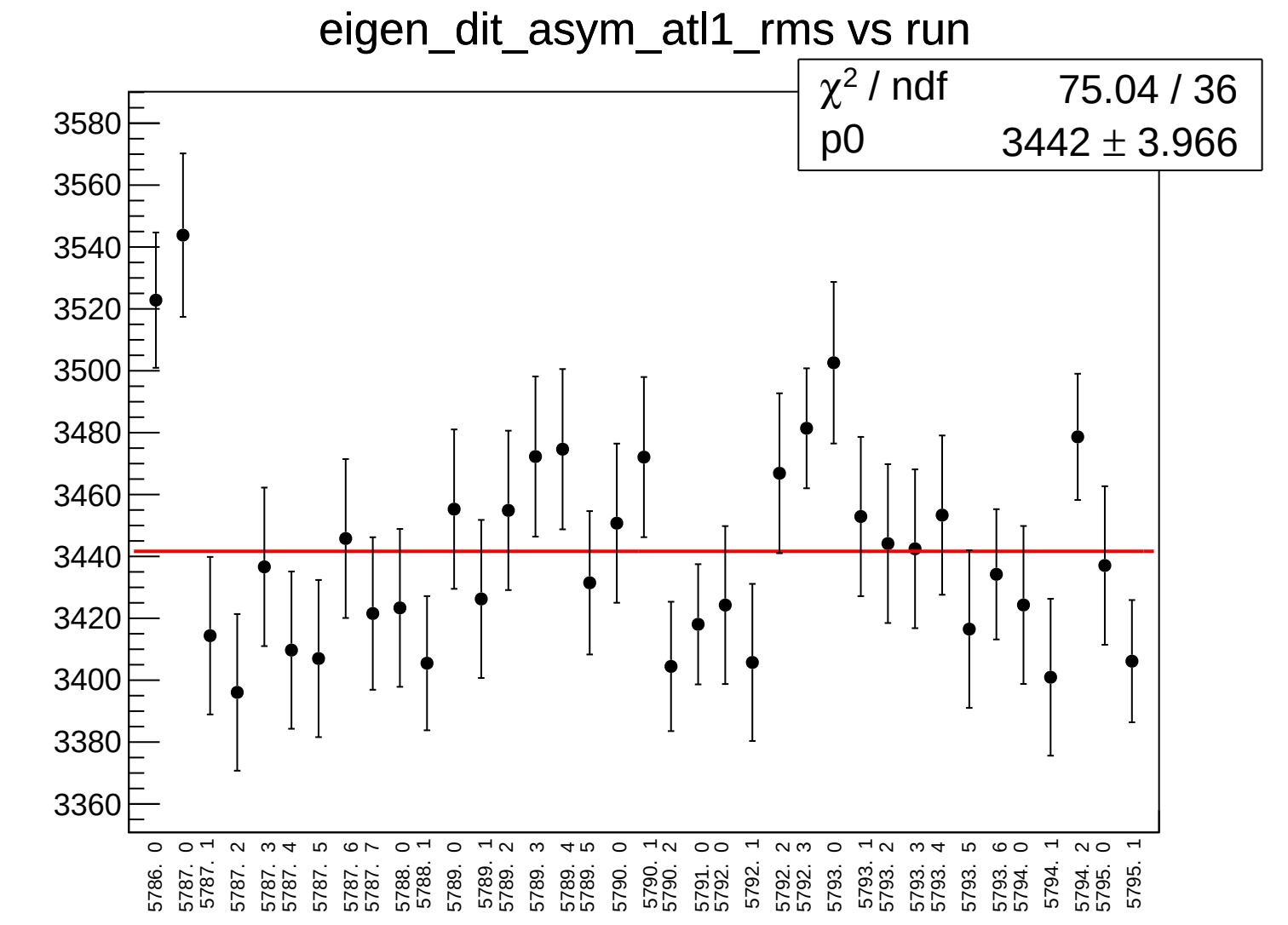
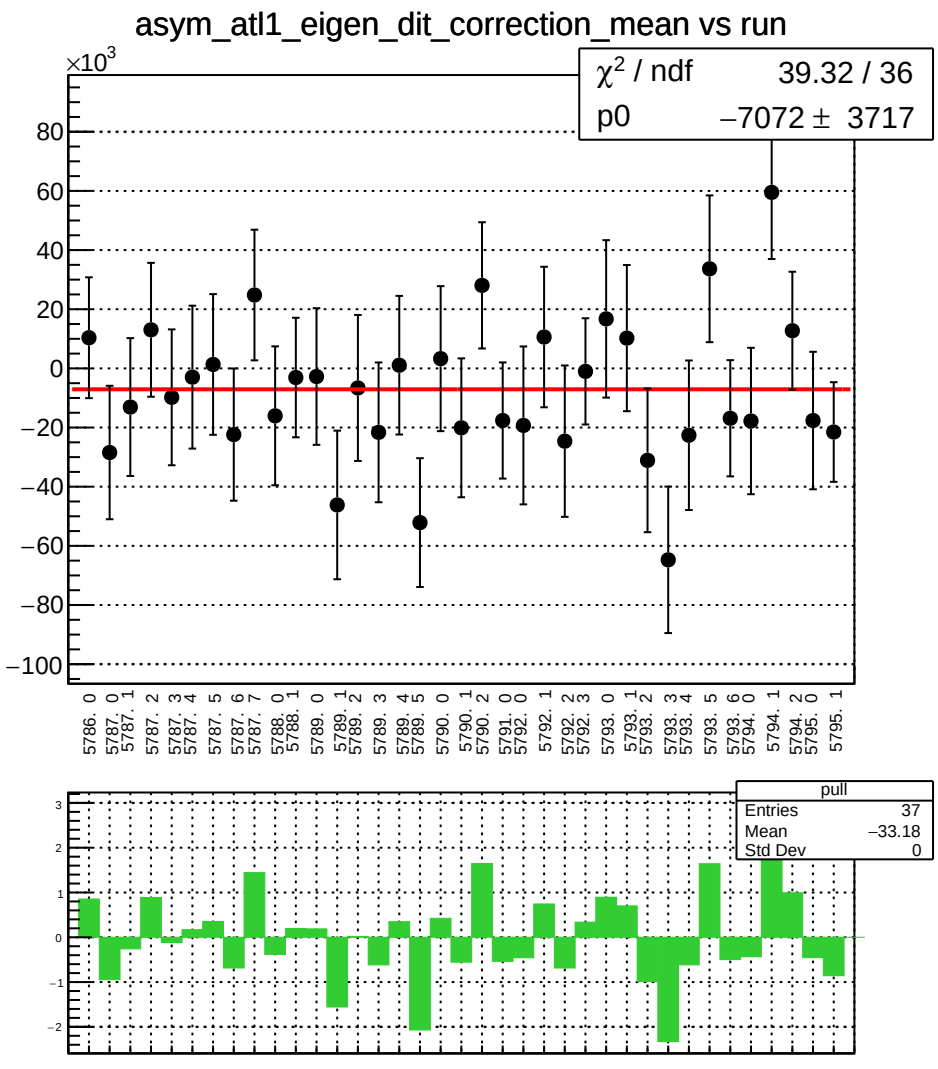
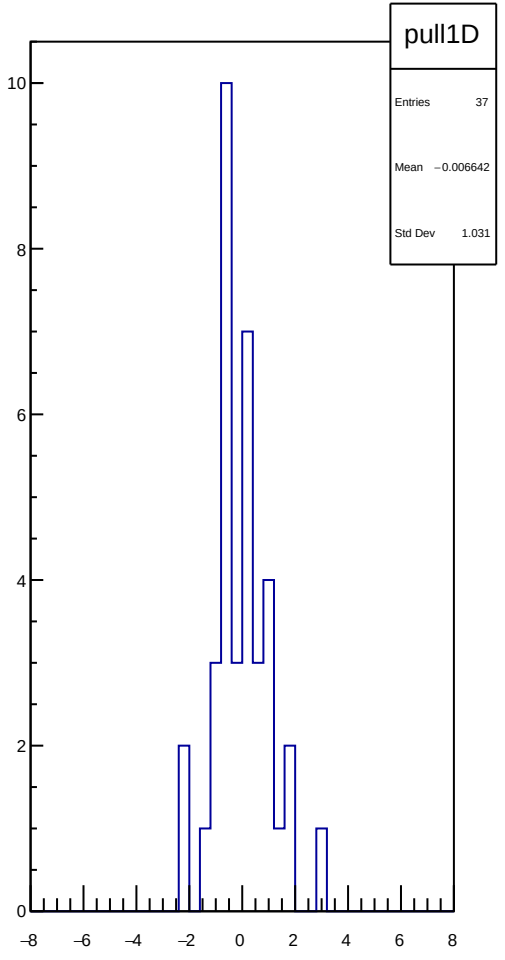
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

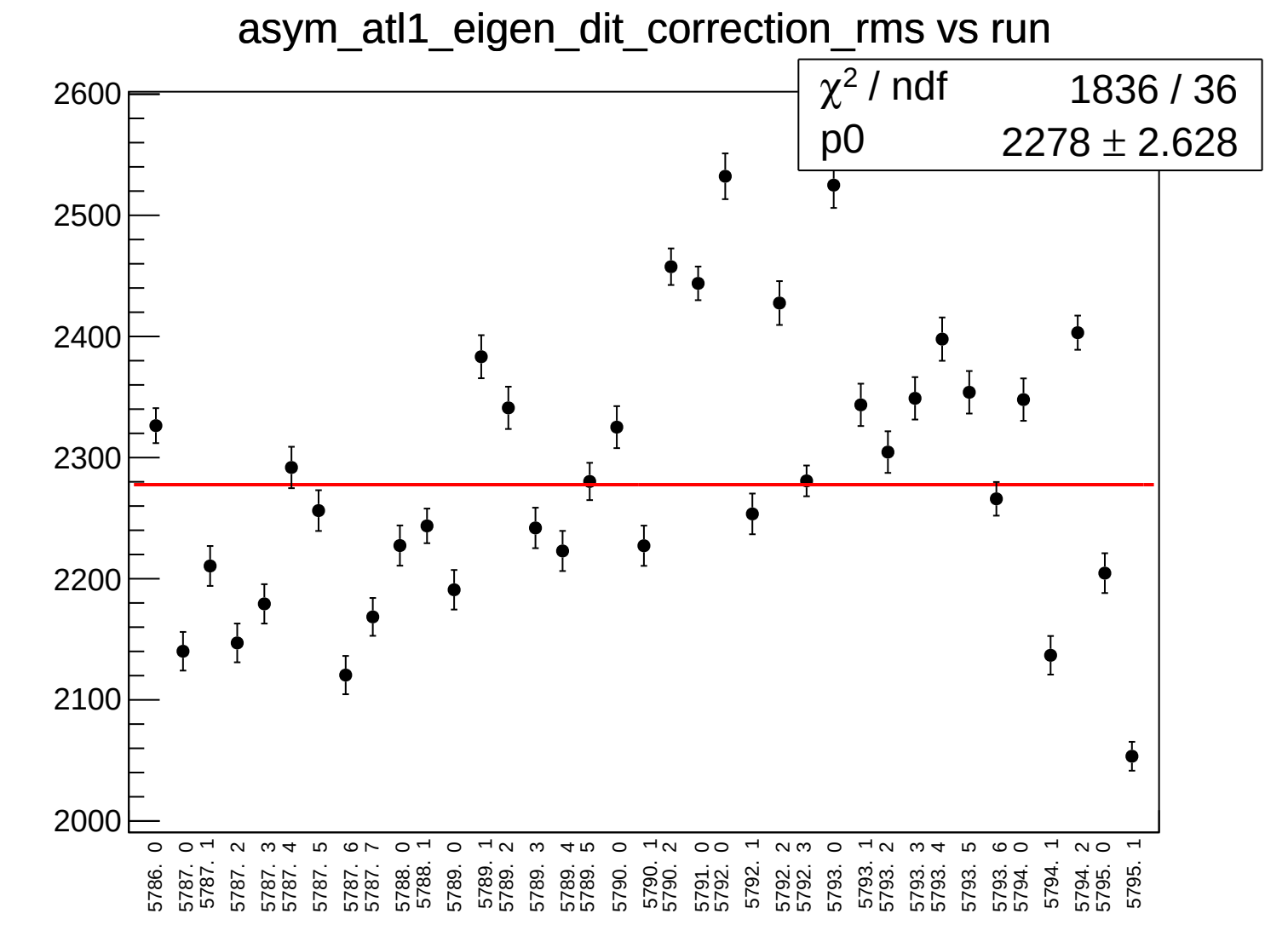

eigen_dit_asym_atl1_mean vs run
×10^3
χ² / ndf 30.37 / 36
p0 1.224e+04 ± 5609
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −148.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

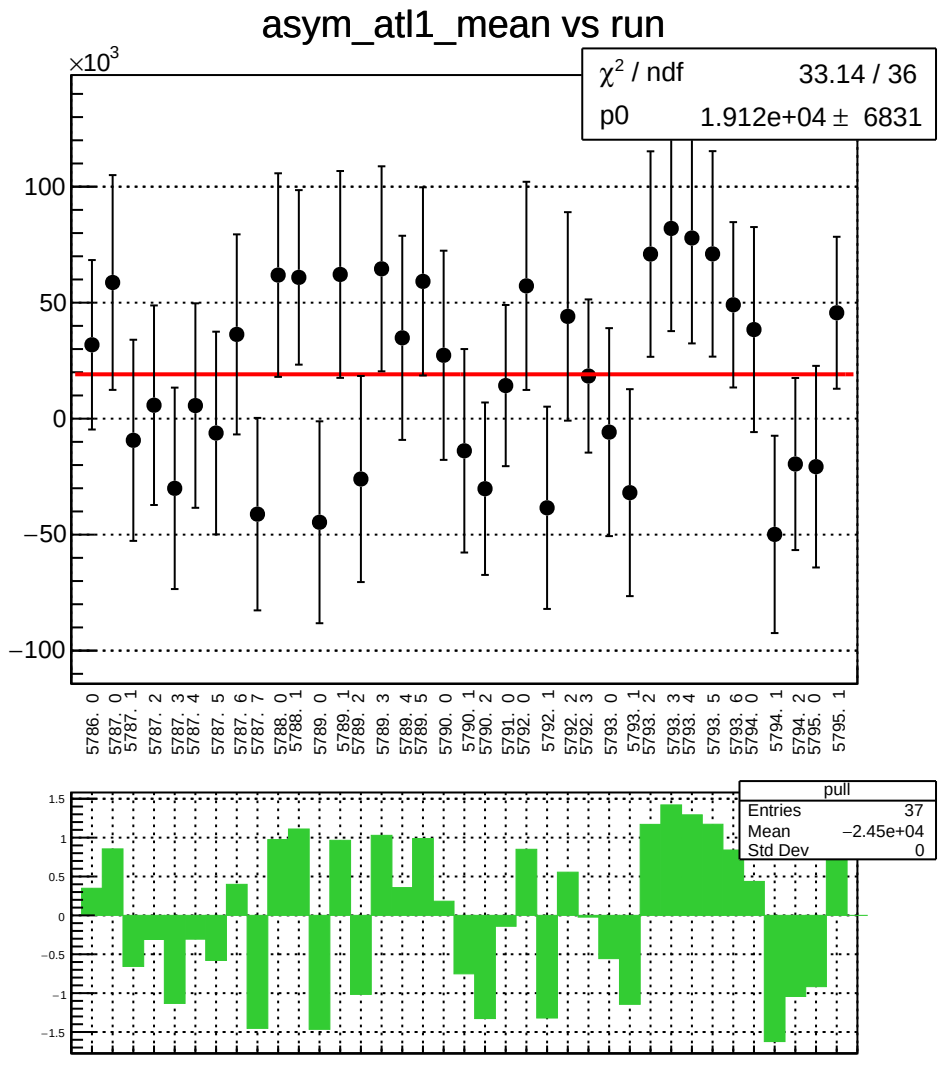

pull1D
Entries 37
Mean −0.006803
Std Dev 0.906
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

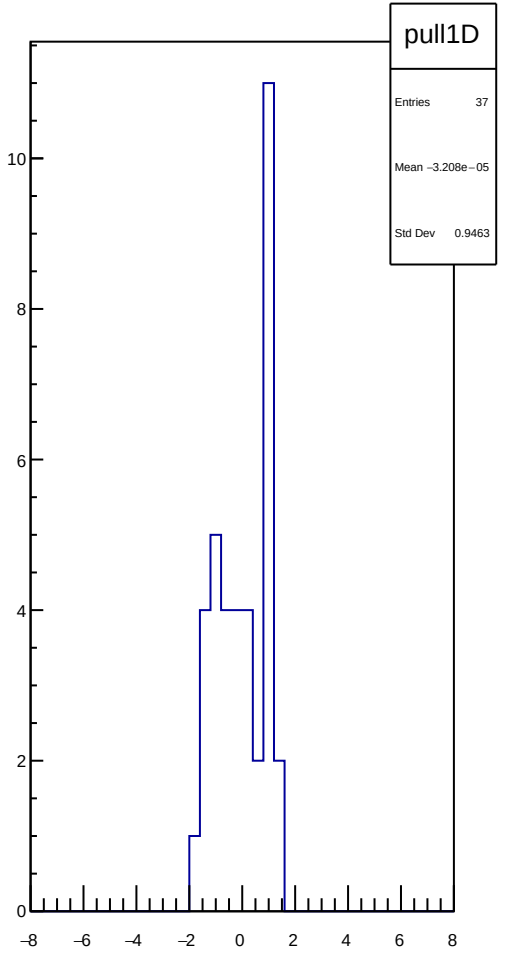

eigen_dit_asym_atl1_rms vs run
χ² / ndf 75.04 / 36
p0 3442 ± 3.966
3580
3560
3540
3520
3500
3480
3460
3440
3420
3400
3380
3360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

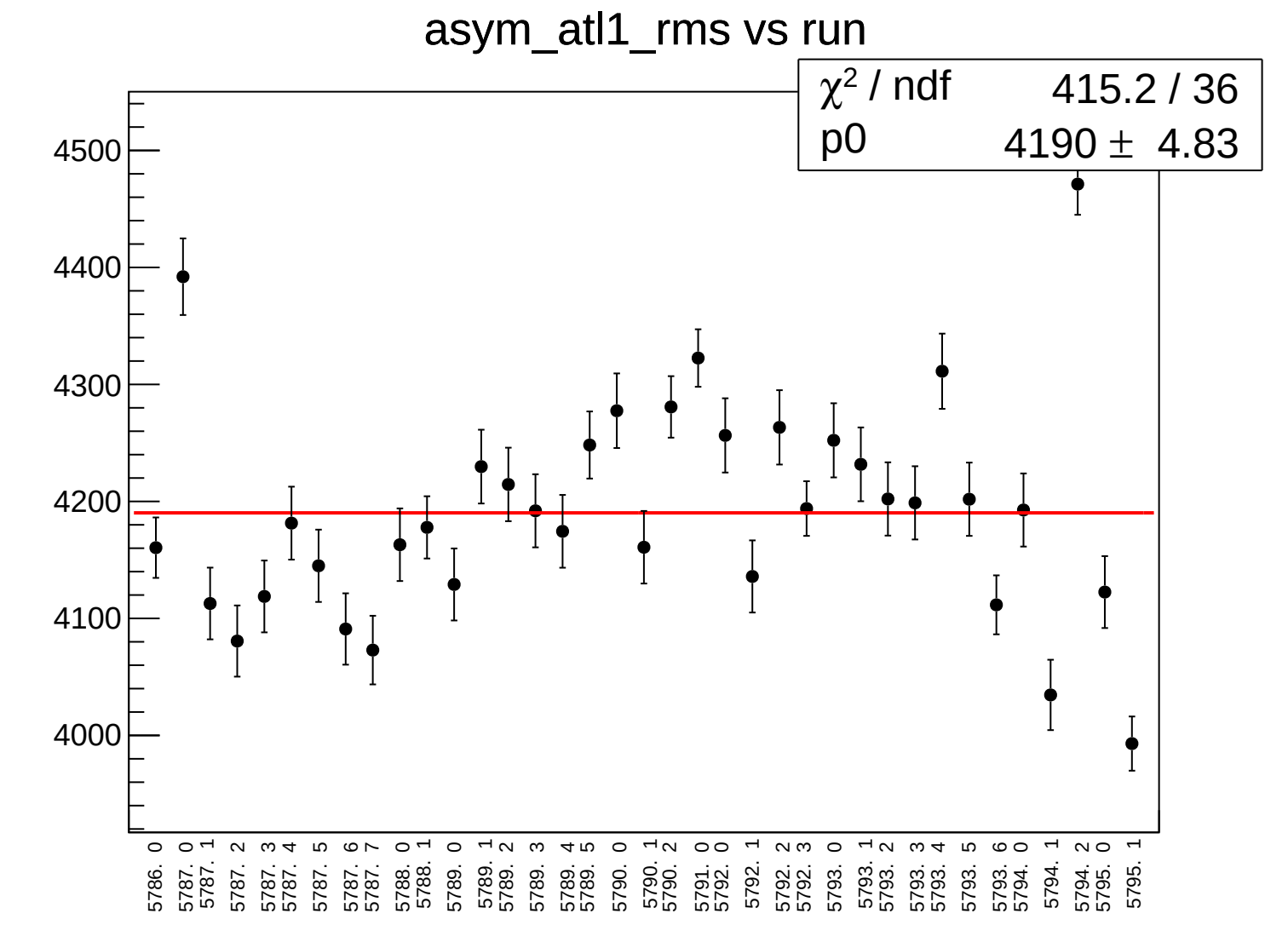

asym_atl1_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 39.32 / 36
p0 −7072 ± 3717
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −33.18
Std Dev 0
3
2
1
0
−1
−2

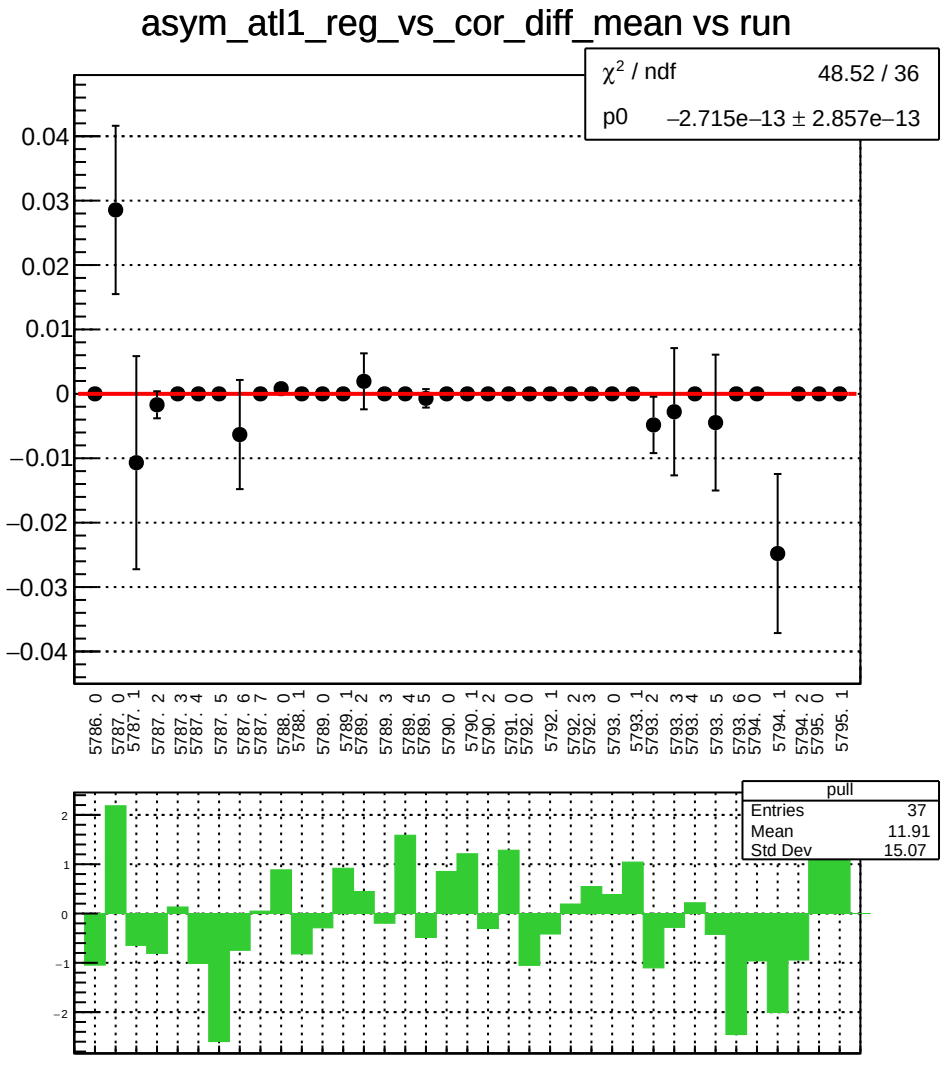

pull1D
Entries 37
Mean −0.006642
Std Dev 1.031
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

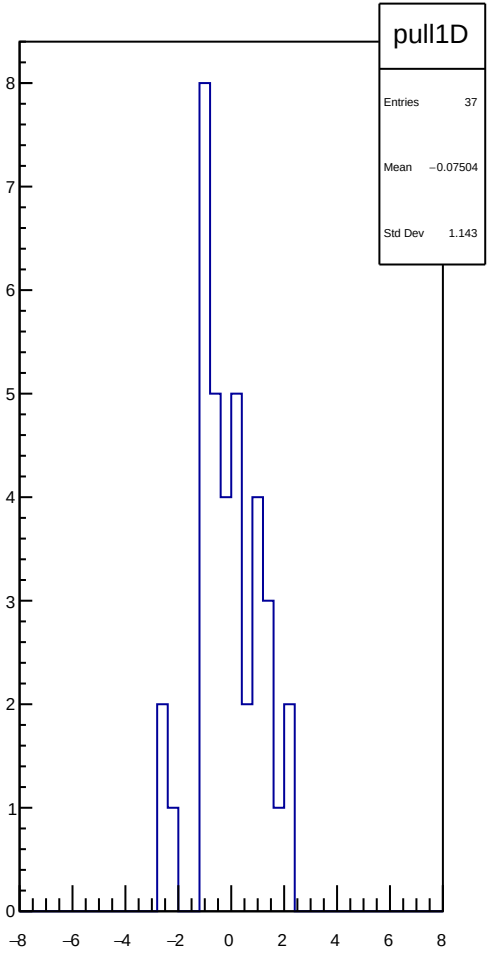

asym_atl1_eigen_dit_correction_rms vs run
χ² / ndf 1836 / 36
p0 2278 ± 2.628
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

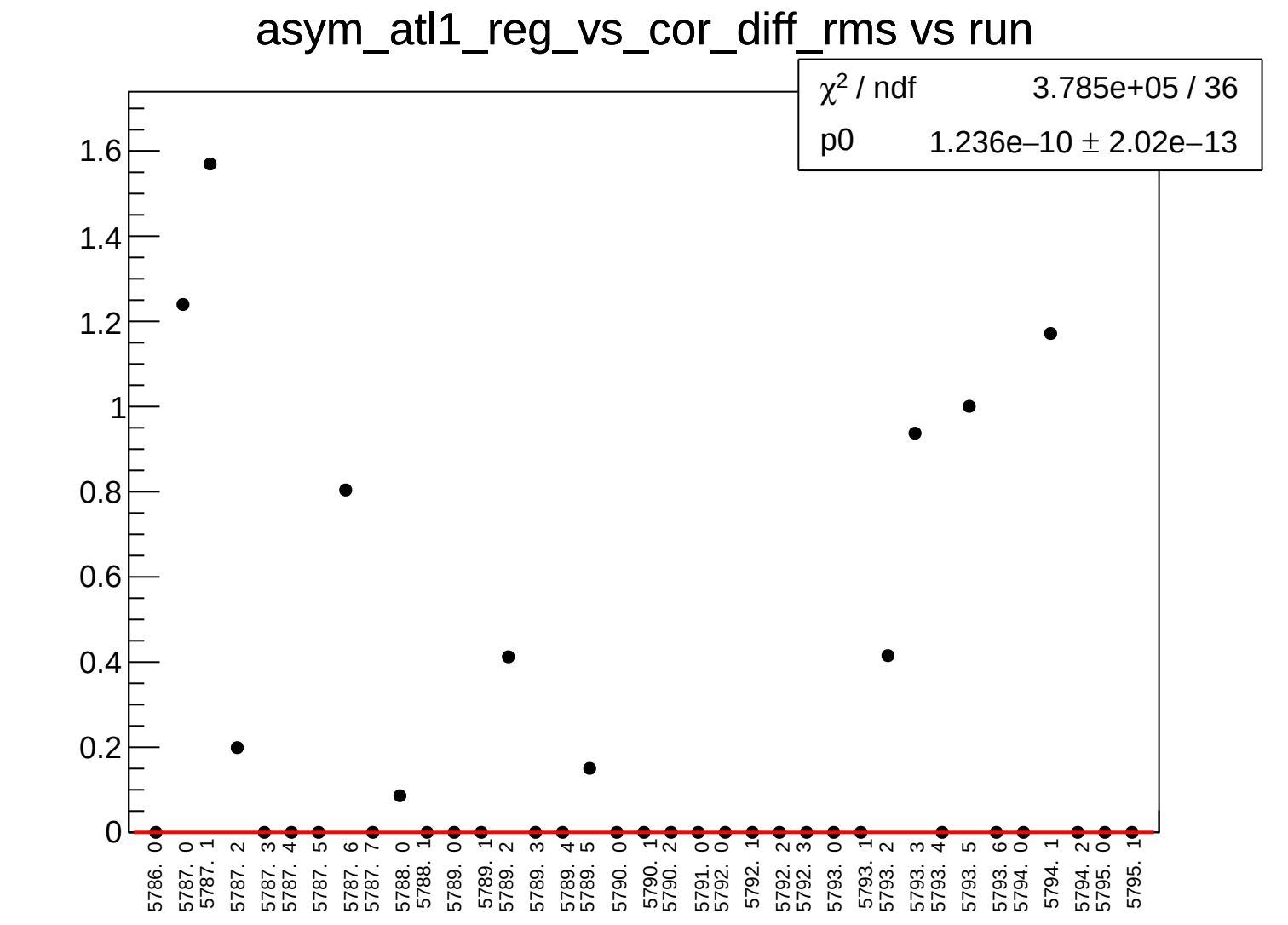

asym_atl1_mean vs run
×10^3
χ² / ndf 33.14 / 36
p0 1.912e+04 ± 6831
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.45e+04
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

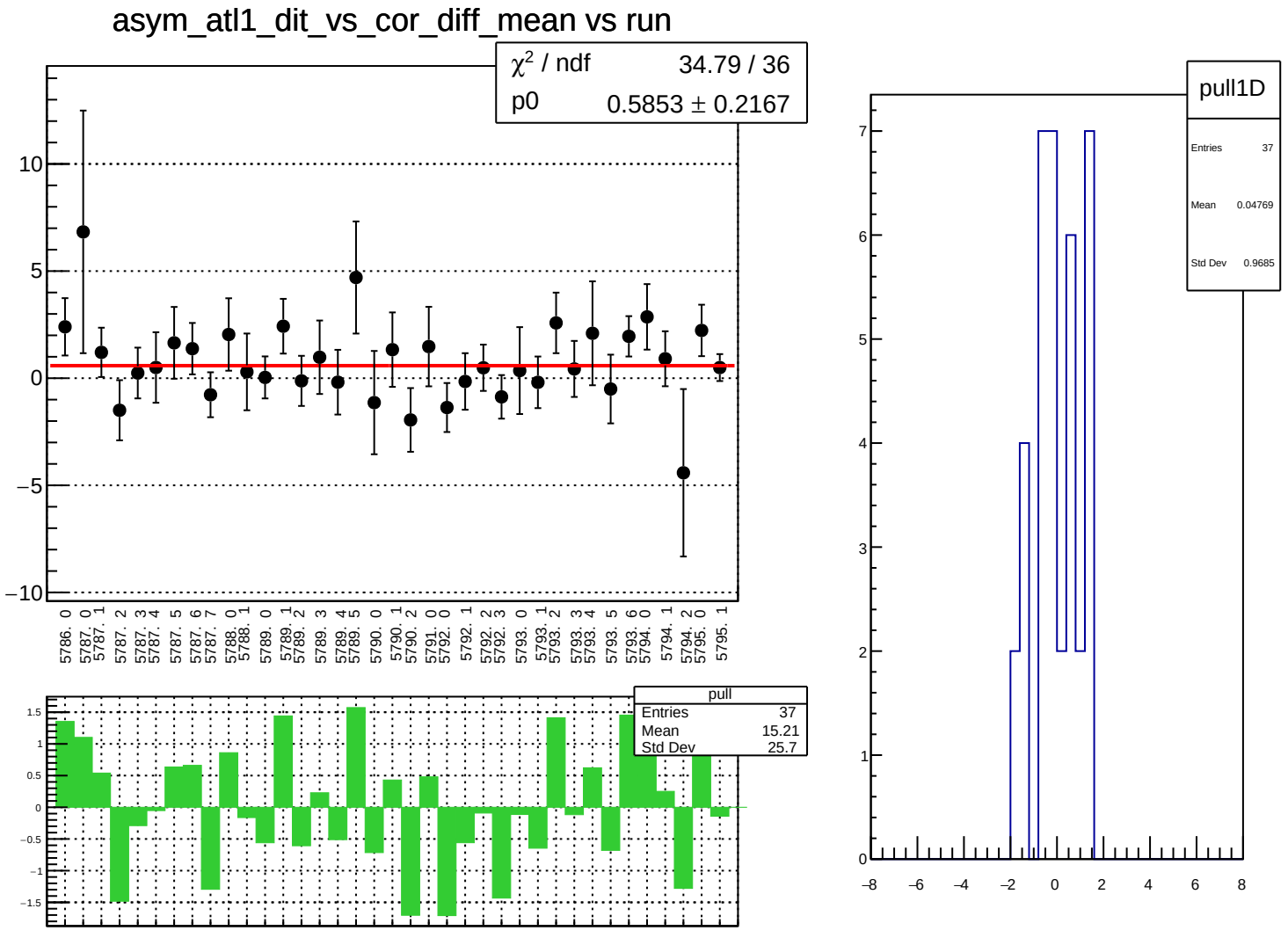

pull1D
Entries 37
Mean −3.208e−05
Std Dev 0.9463
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

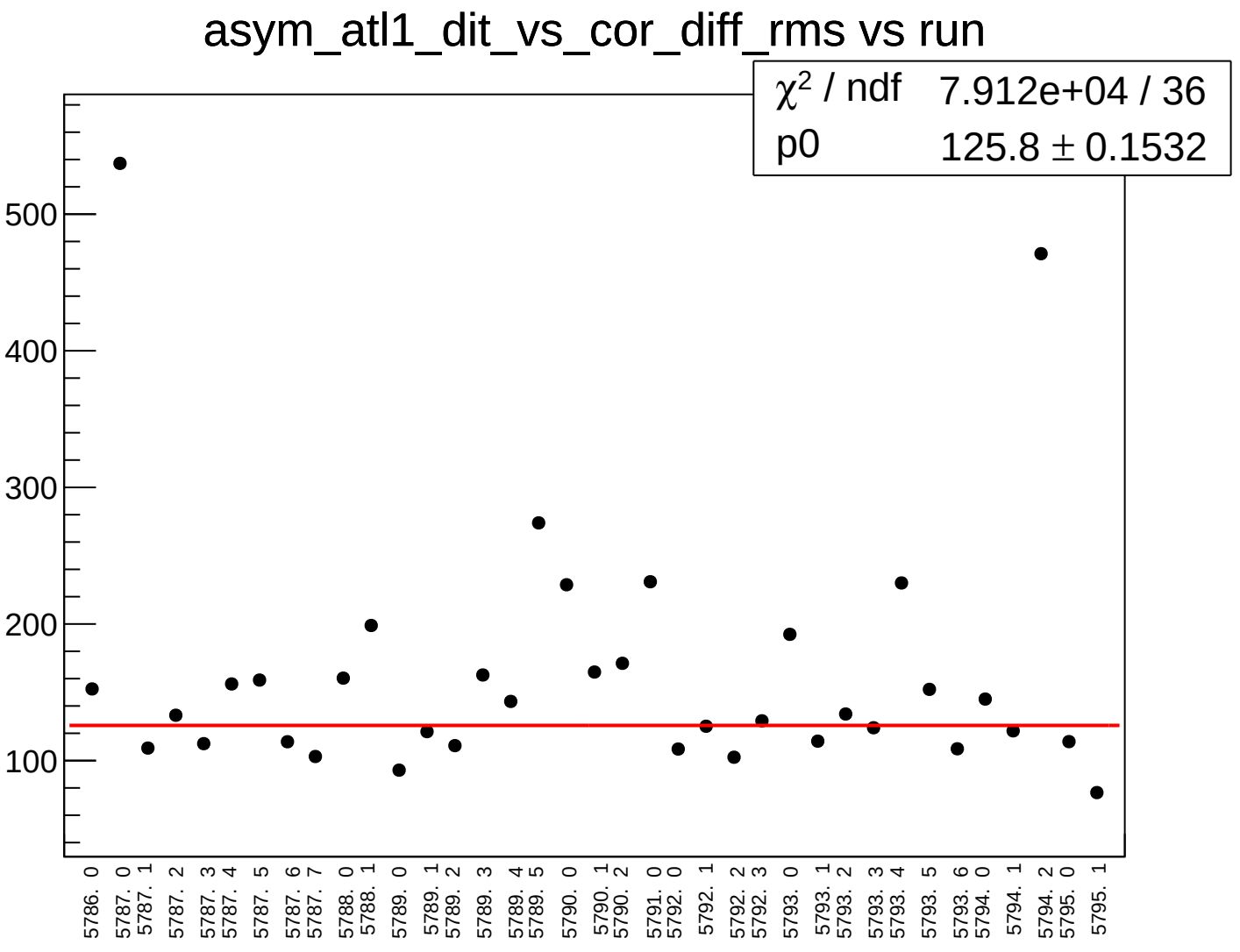

asym_atl1_rms vs run
χ² / ndf 415.2 / 36
p0 4190 ± 4.83
4500
4400
4300
4200
4100
4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

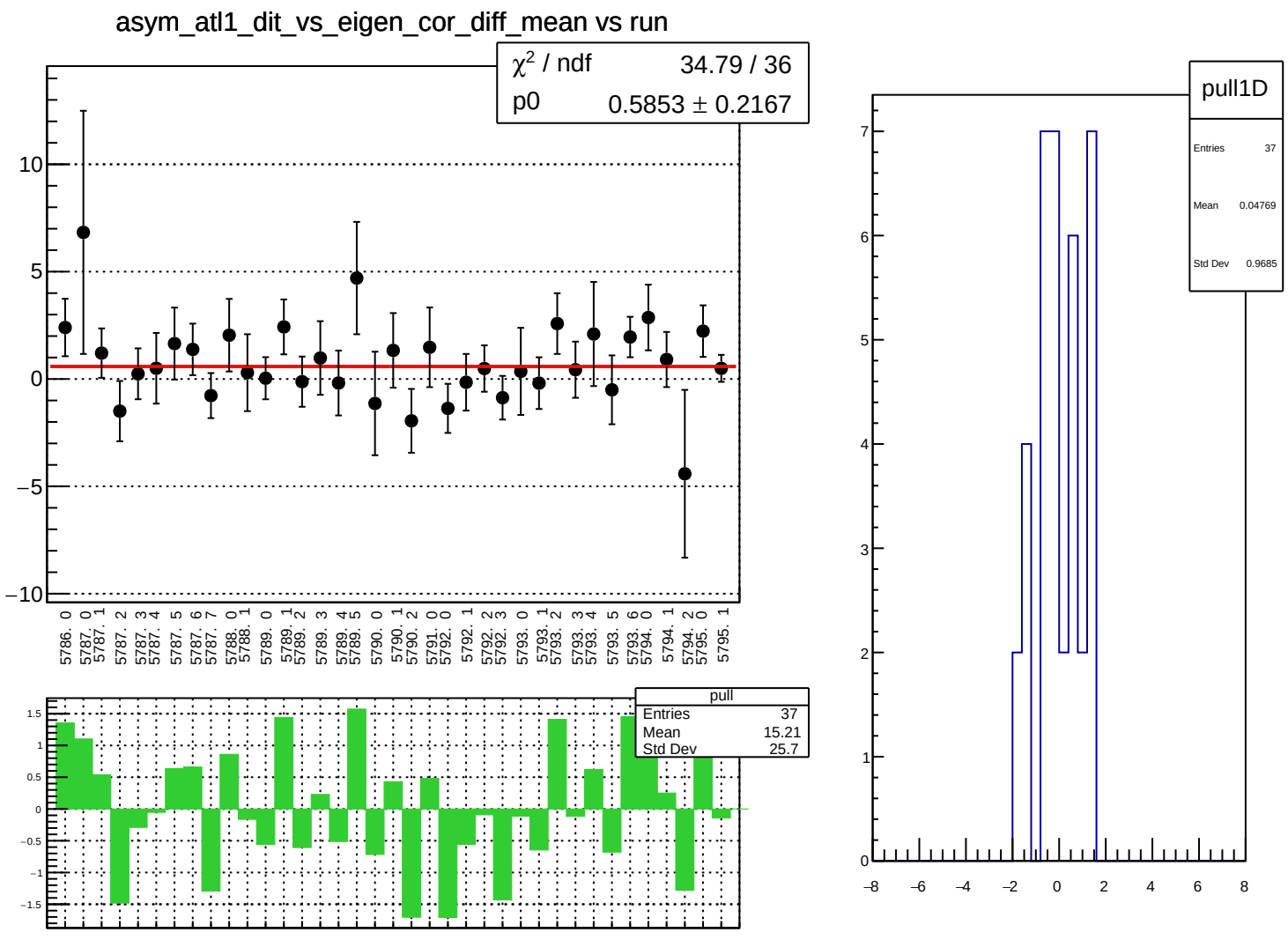

asym_atl1_reg_vs_cor_diff_mean vs run
χ² / ndf 48.52 / 36
p0 −2.715e−13 ± 2.857e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.91
Std Dev 15.07
2
1
0
−1
−2

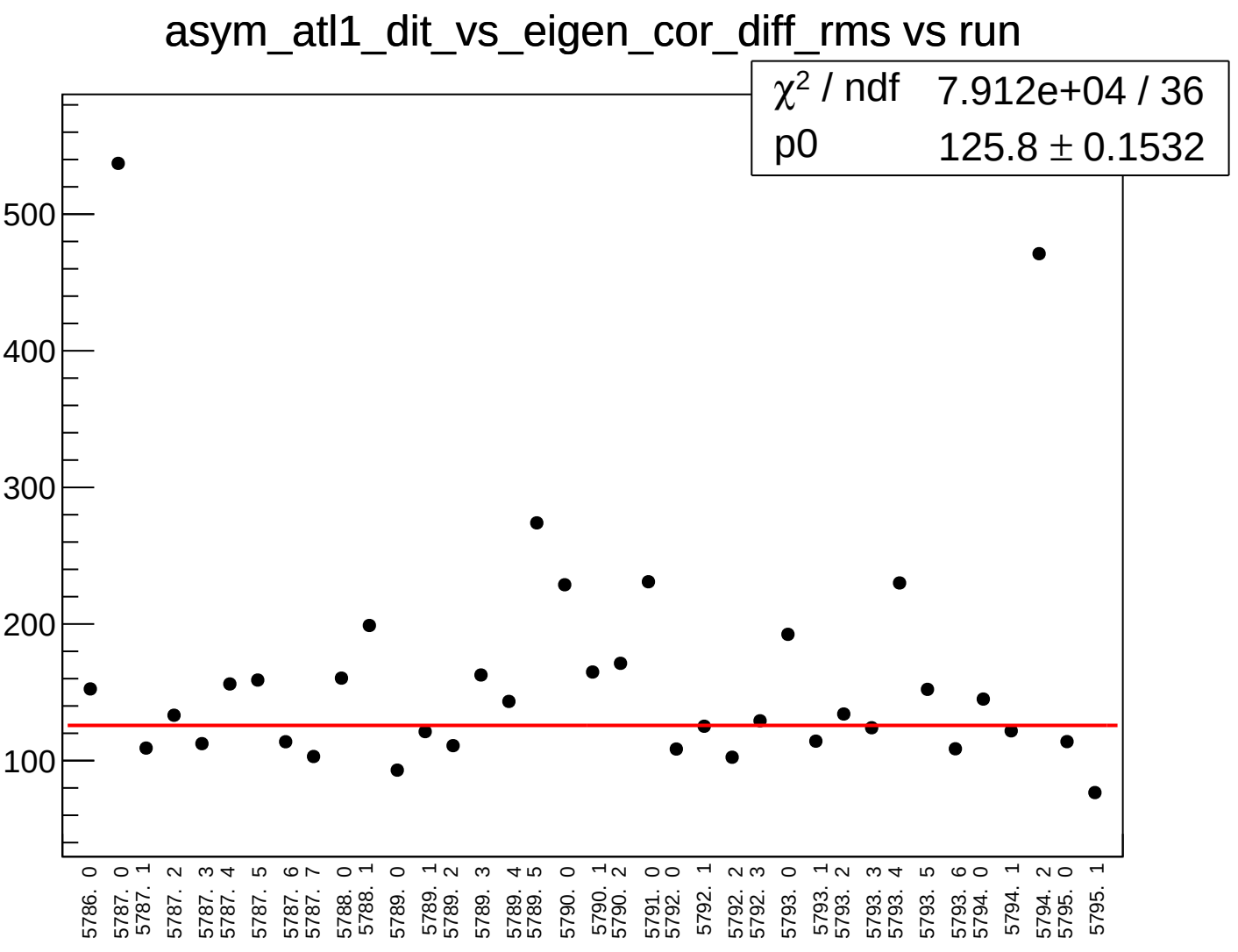

pull1D
Entries 37
Mean −0.07504
Std Dev 1.143
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

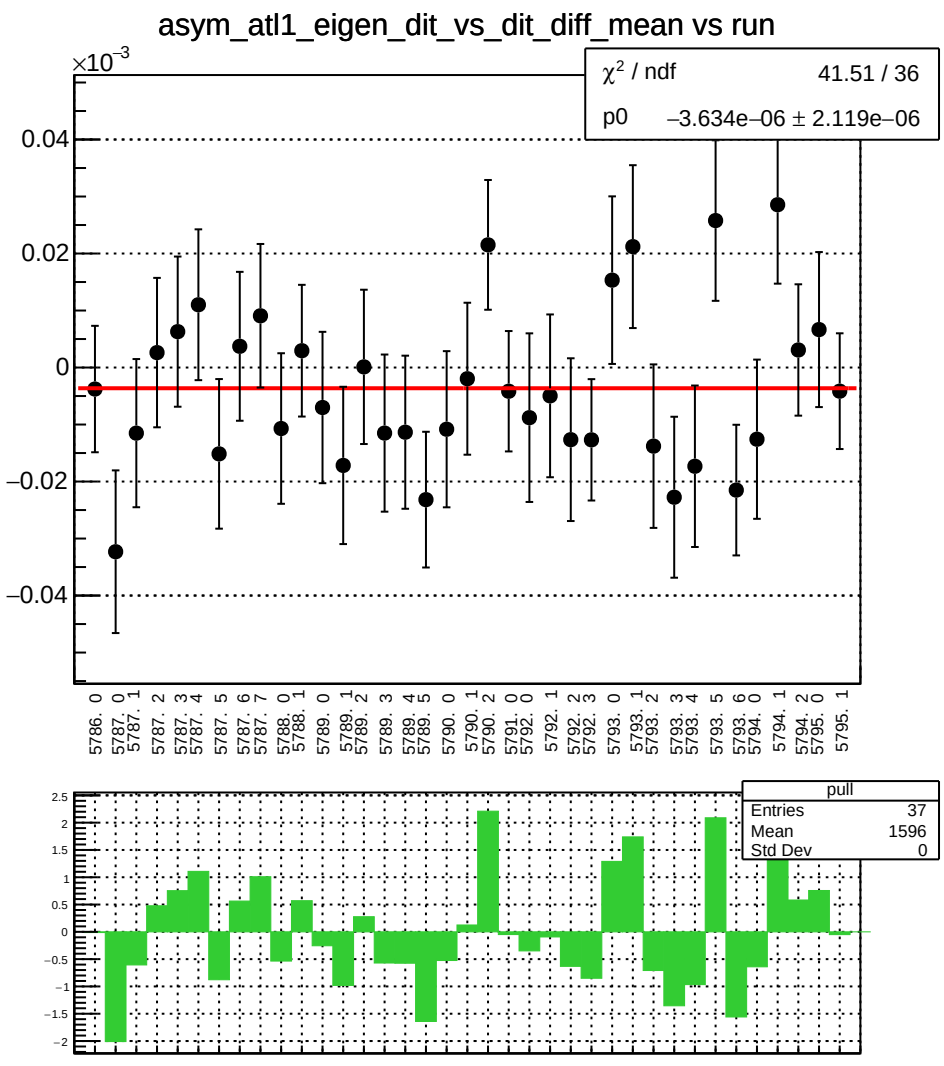

asym_atl1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.785e+05 / 36
p0 1.236e−10 ± 2.02e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

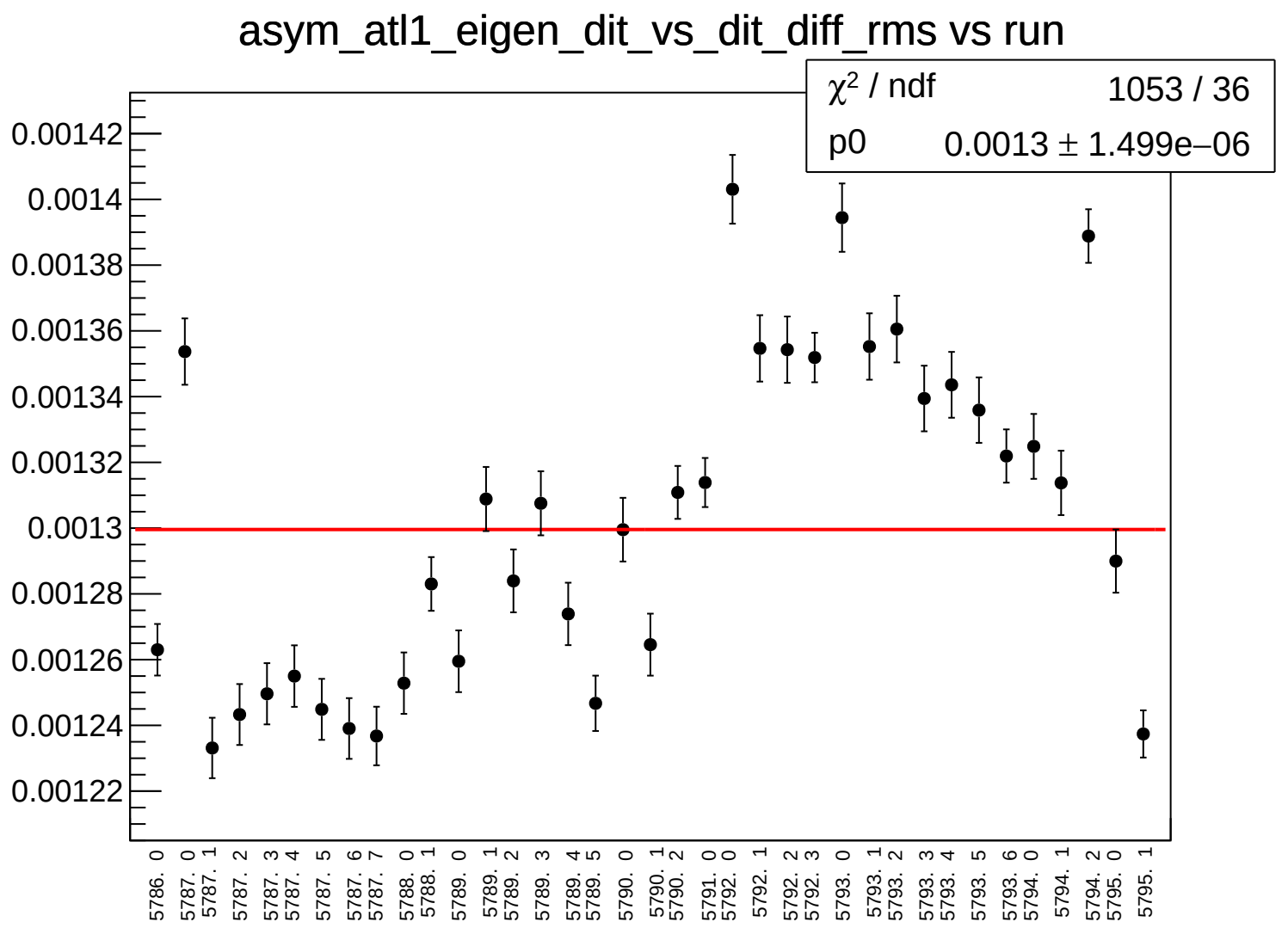

asym_atl1_dit_vs_cor_diff_mean vs run
χ² / ndf 34.79 / 36
p0 0.5853 ± 0.2167
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.21
Std Dev 25.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.04769
Std Dev 0.9685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_dit_vs_cor_diff_rms vs run
χ² / ndf 7.912e+04 / 36
p0 125.8 ± 0.1532
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.79 / 36
p0 0.5853 ± 0.2167
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.21
Std Dev 25.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.04769
Std Dev 0.9685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.912e+04 / 36
p0 125.8 ± 0.1532
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.51 / 36
p0 −3.634e−06 ± 2.119e−06
0.04
0.02
0
−0.02
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1596
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0009831
Std Dev 1.059
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1053 / 36
p0 0.0013 ± 1.499e−06
0.00142
0.0014
0.00138
0.00136
0.00134
0.00132
0.0013
0.00128
0.00126
0.00124
0.00122
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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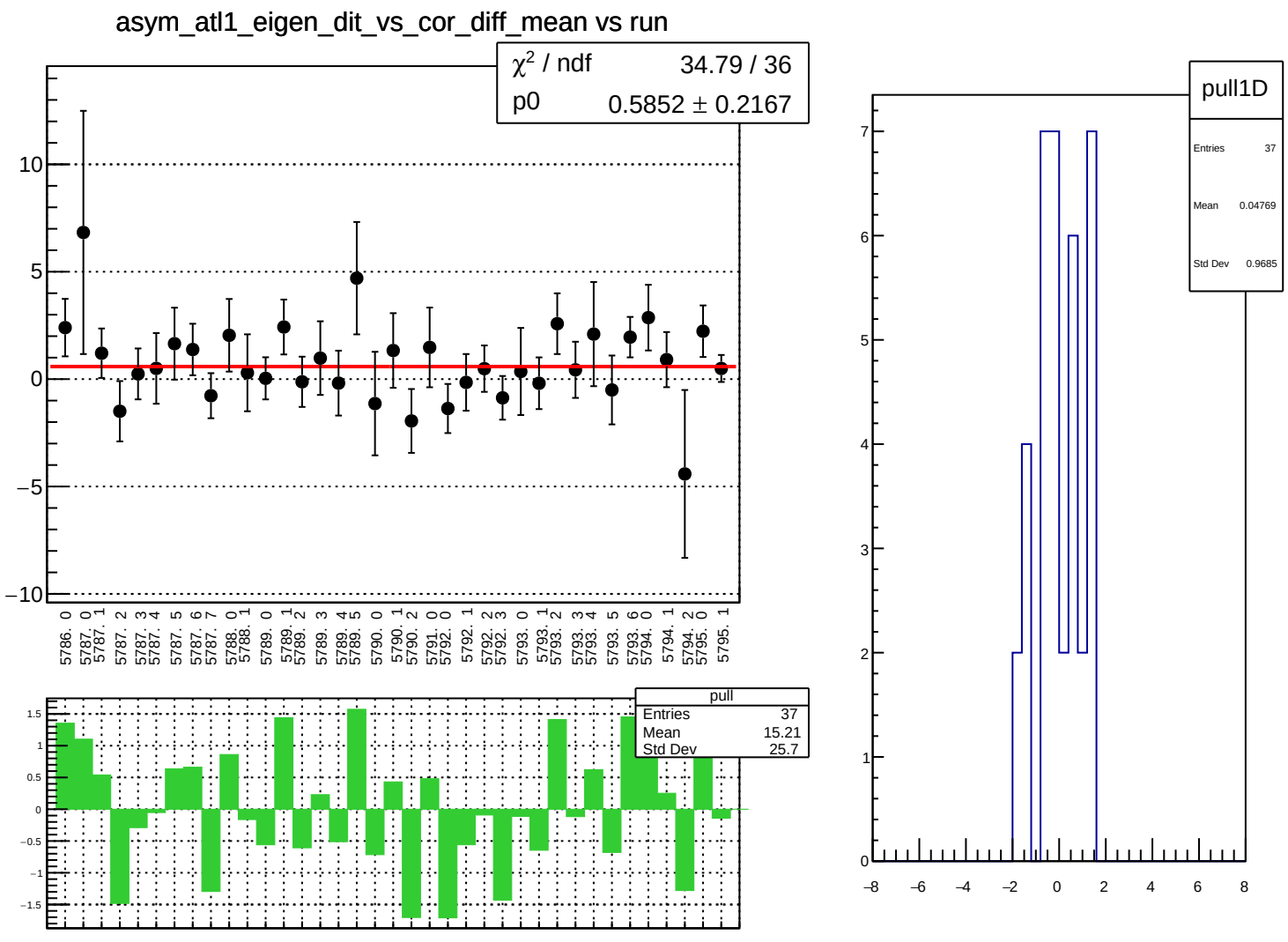
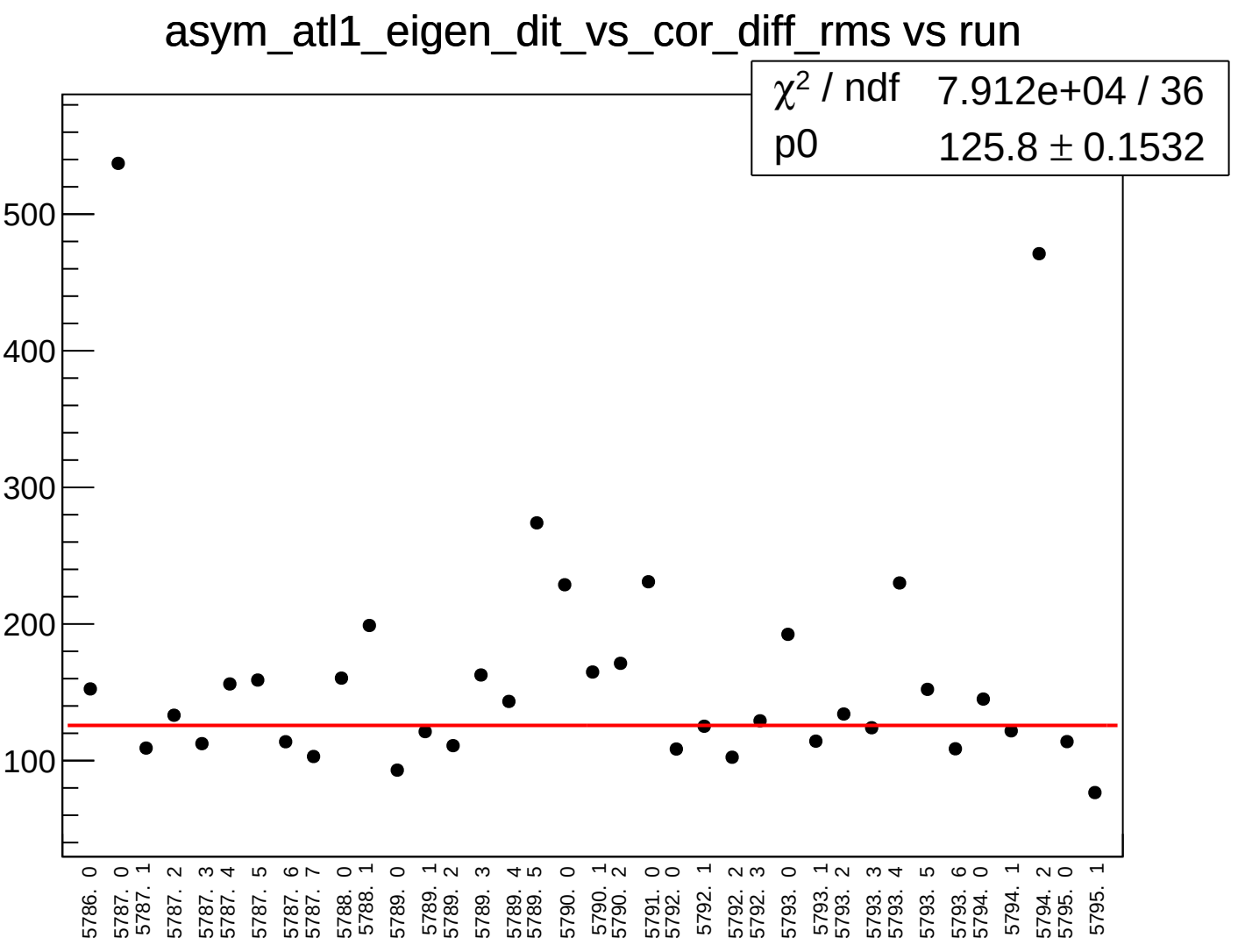
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.79 / 36
p0 0.5852 ± 0.2167
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.21
Std Dev 25.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.04769
Std Dev 0.9685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.912e+04 / 36
p0 125.8 ± 0.1532
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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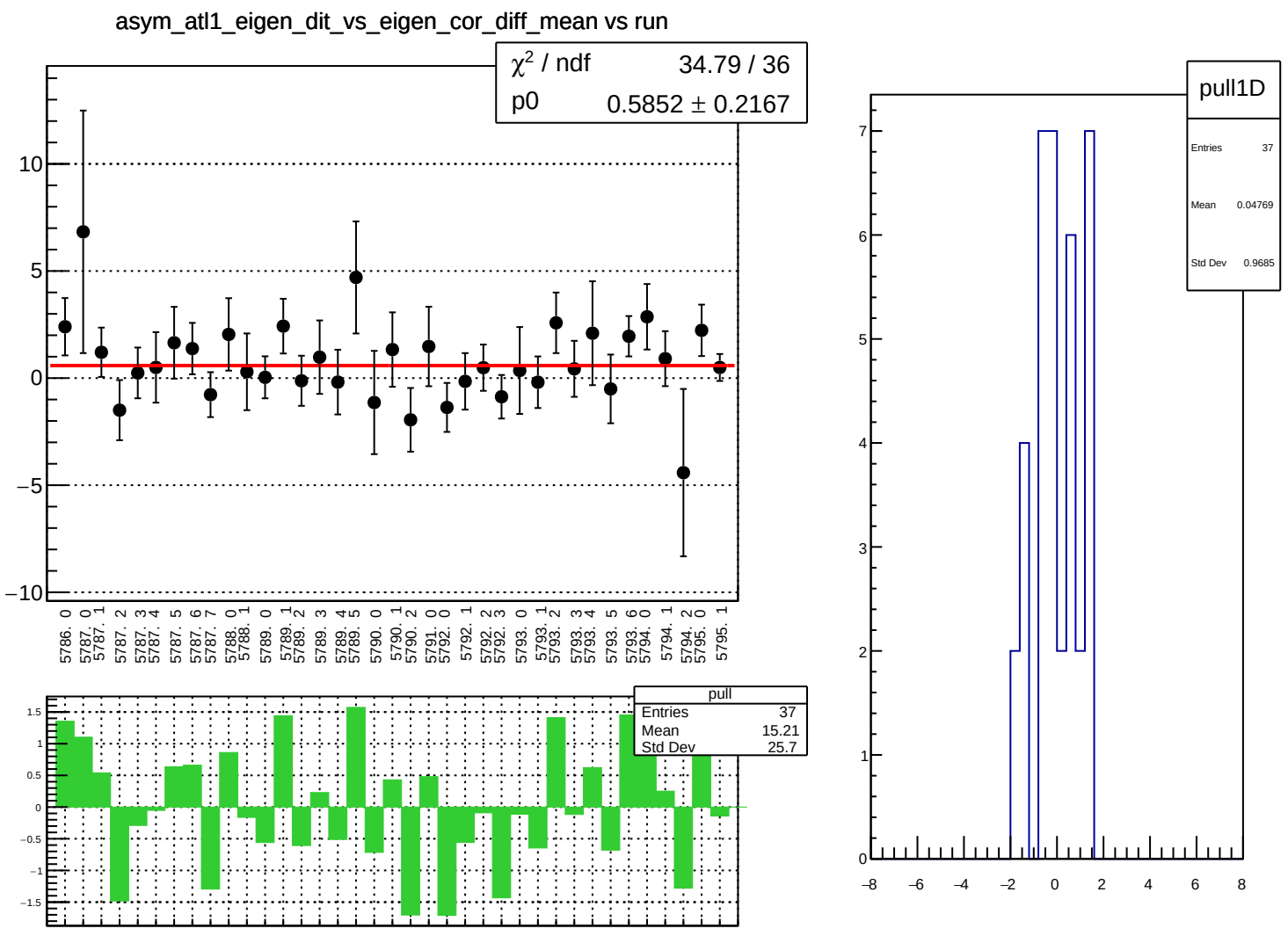
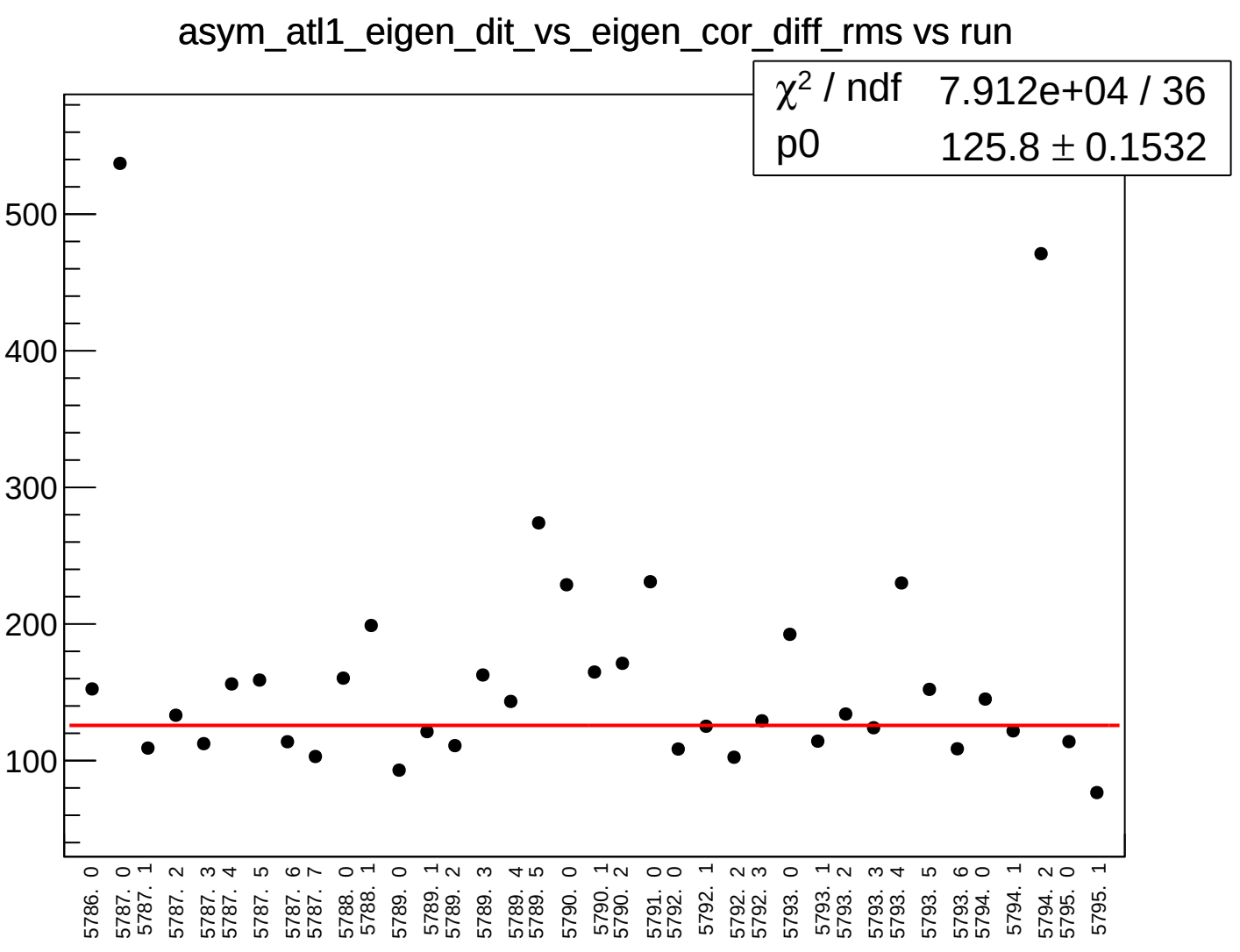
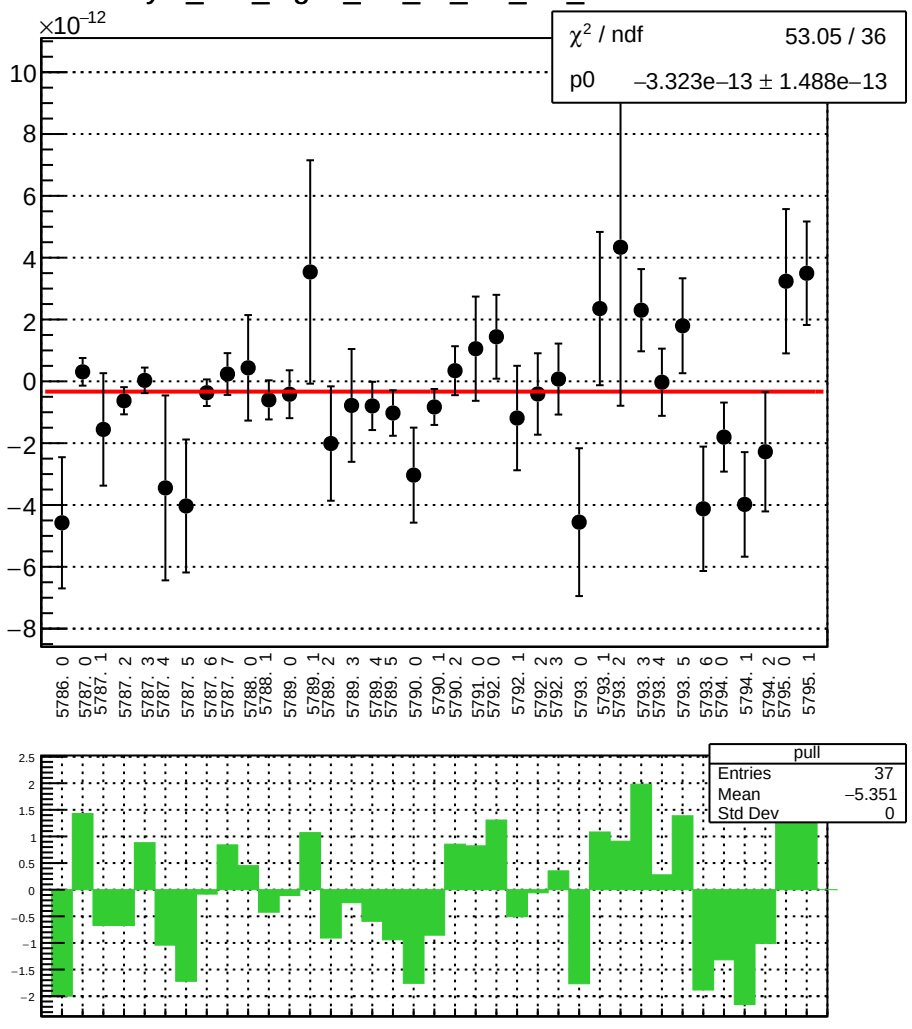
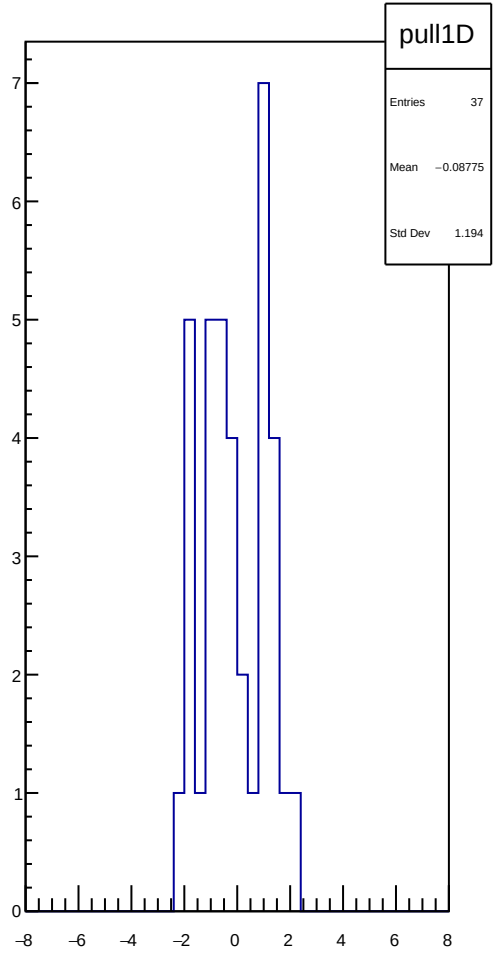
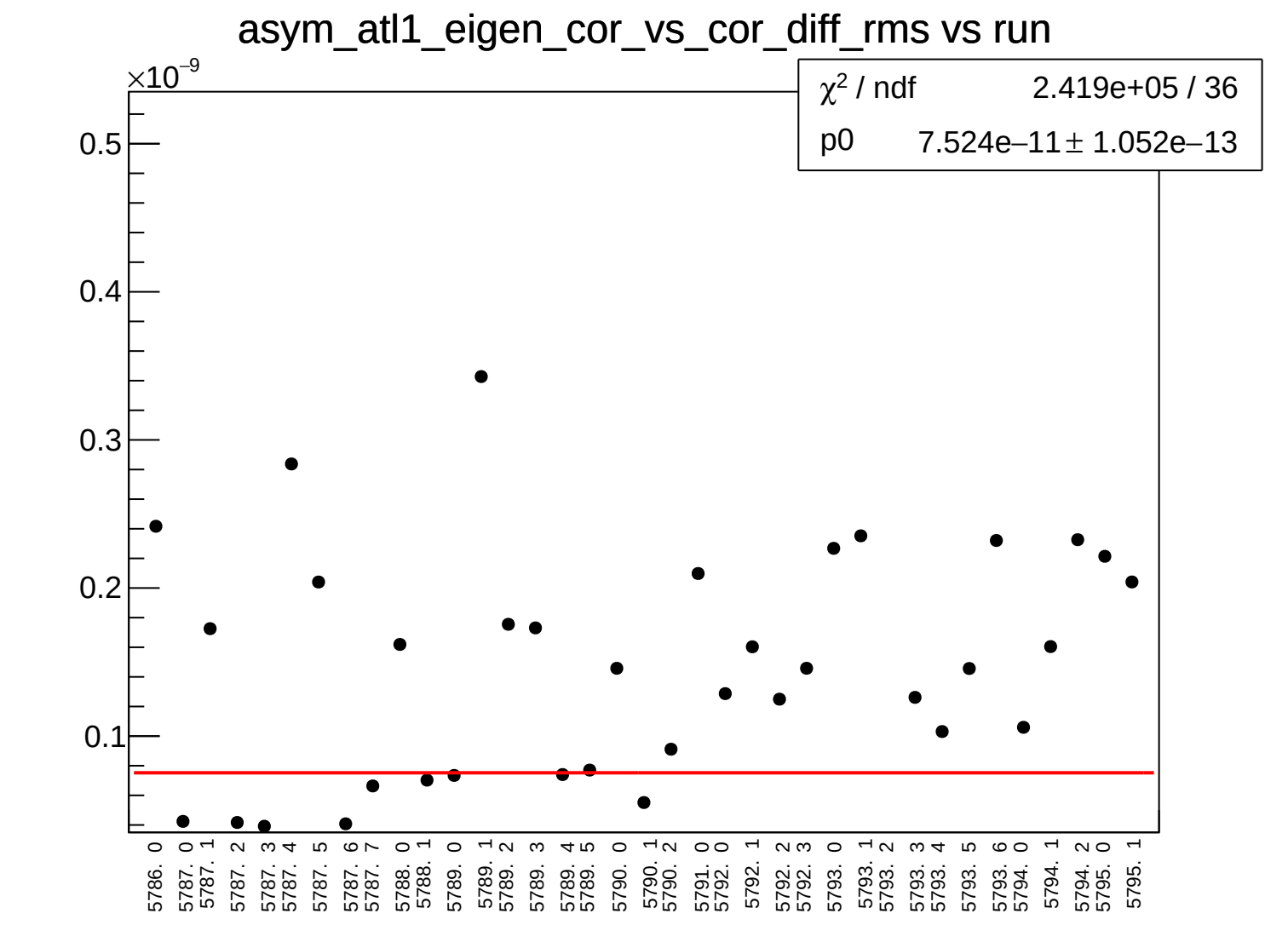
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

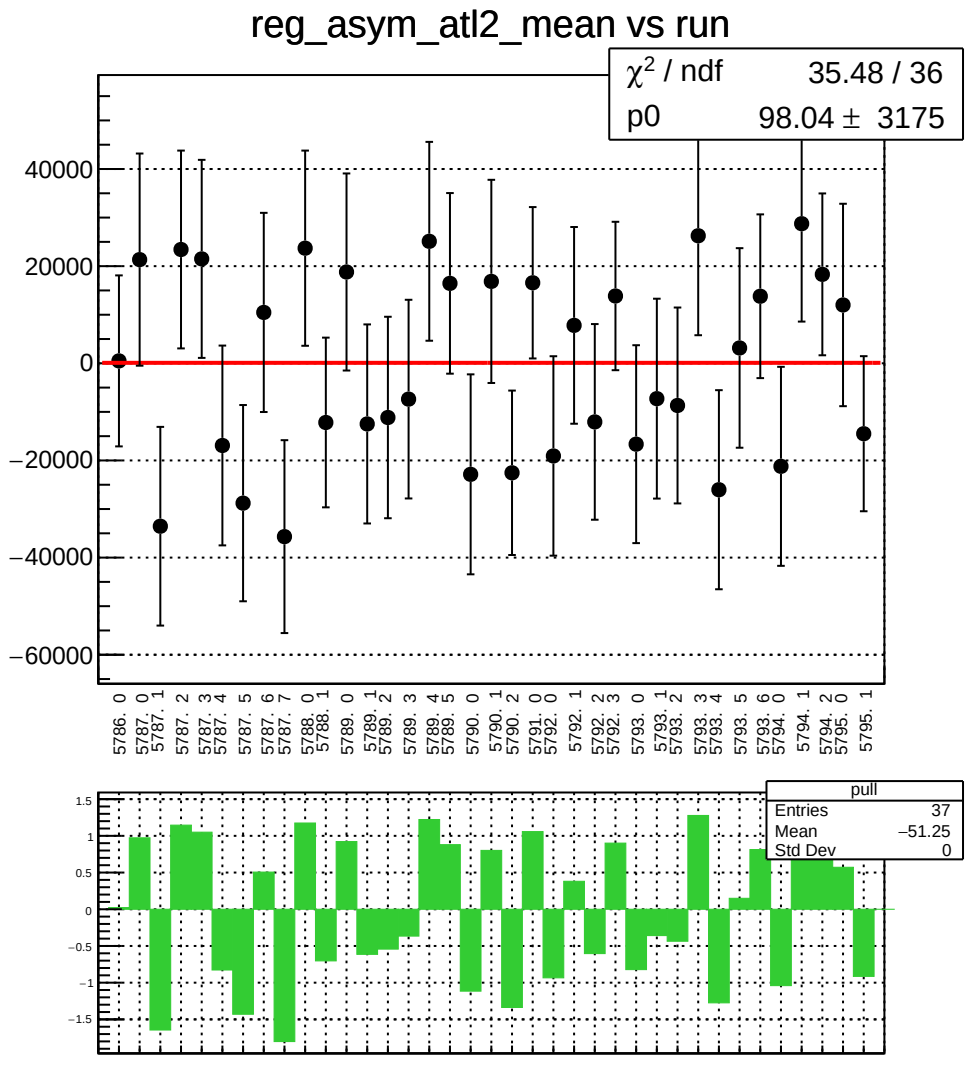

asym_atl1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.79 / 36
p0 0.5852 ± 0.2167
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.21
Std Dev 25.7
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.04769
Std Dev 0.9685
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

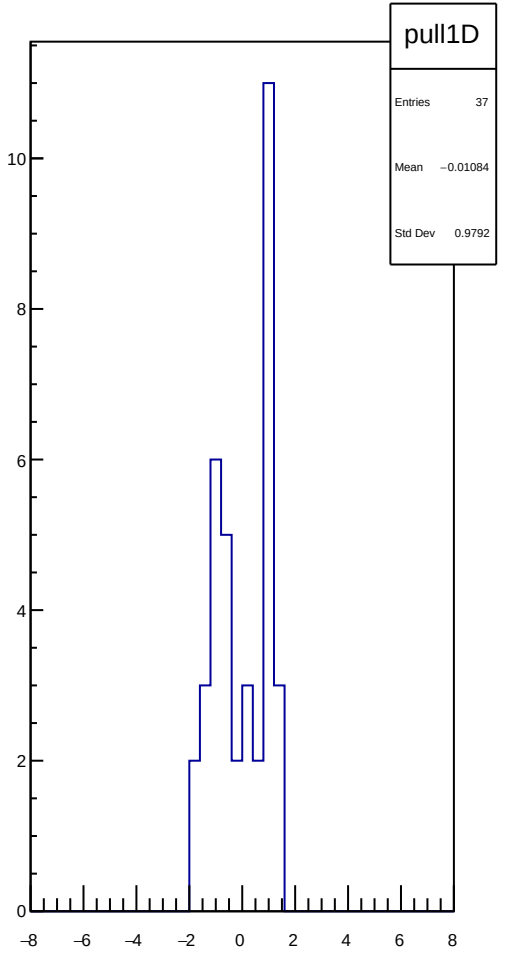

asym_atl1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.912e+04 / 36
p0 125.8 ± 0.1532
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

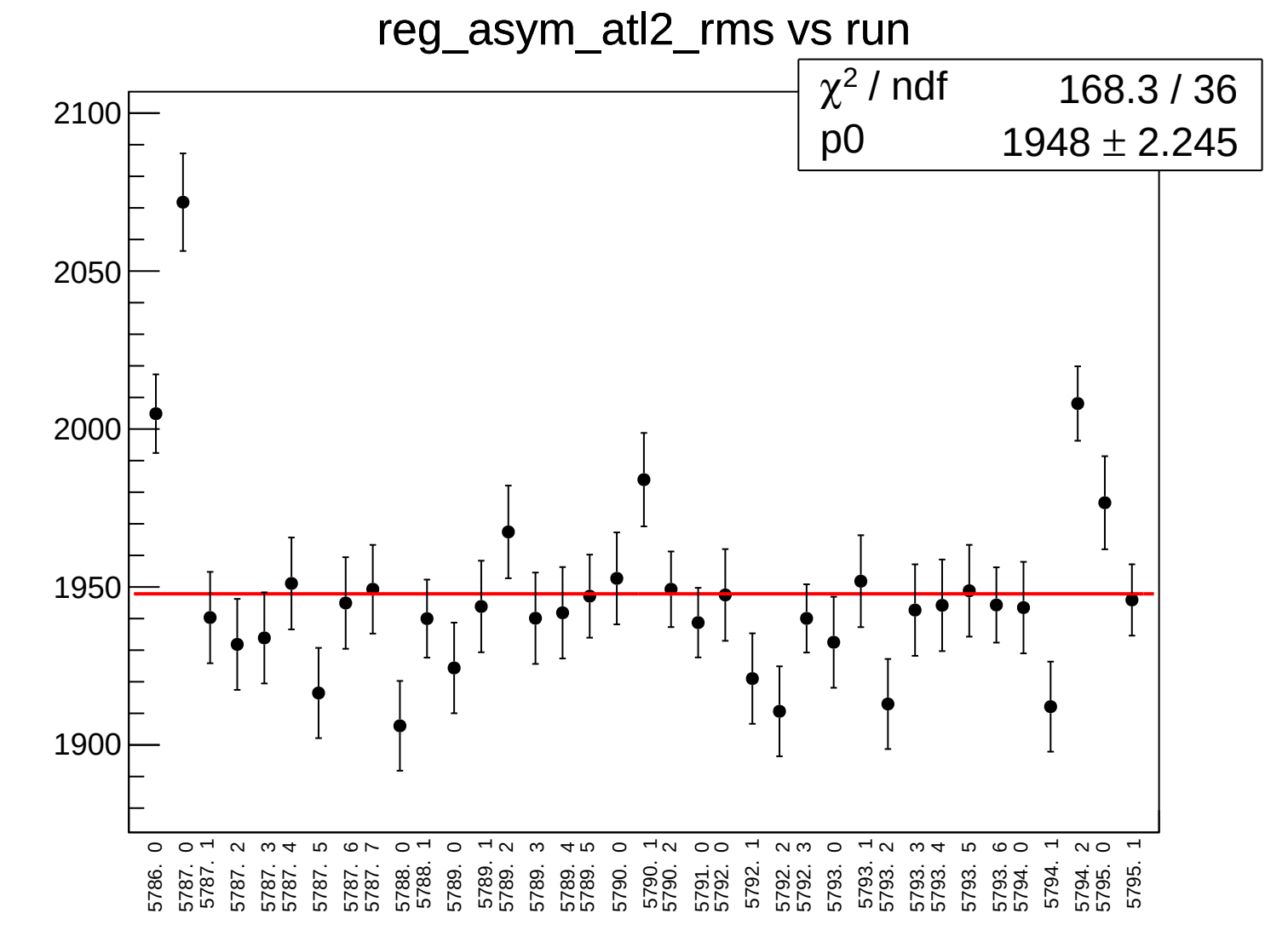

asym_atl1_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 53.05 / 36
p0 −3.323e−13 ± 1.488e−13
pull
Entries 37
Mean −5.351
Std Dev 0

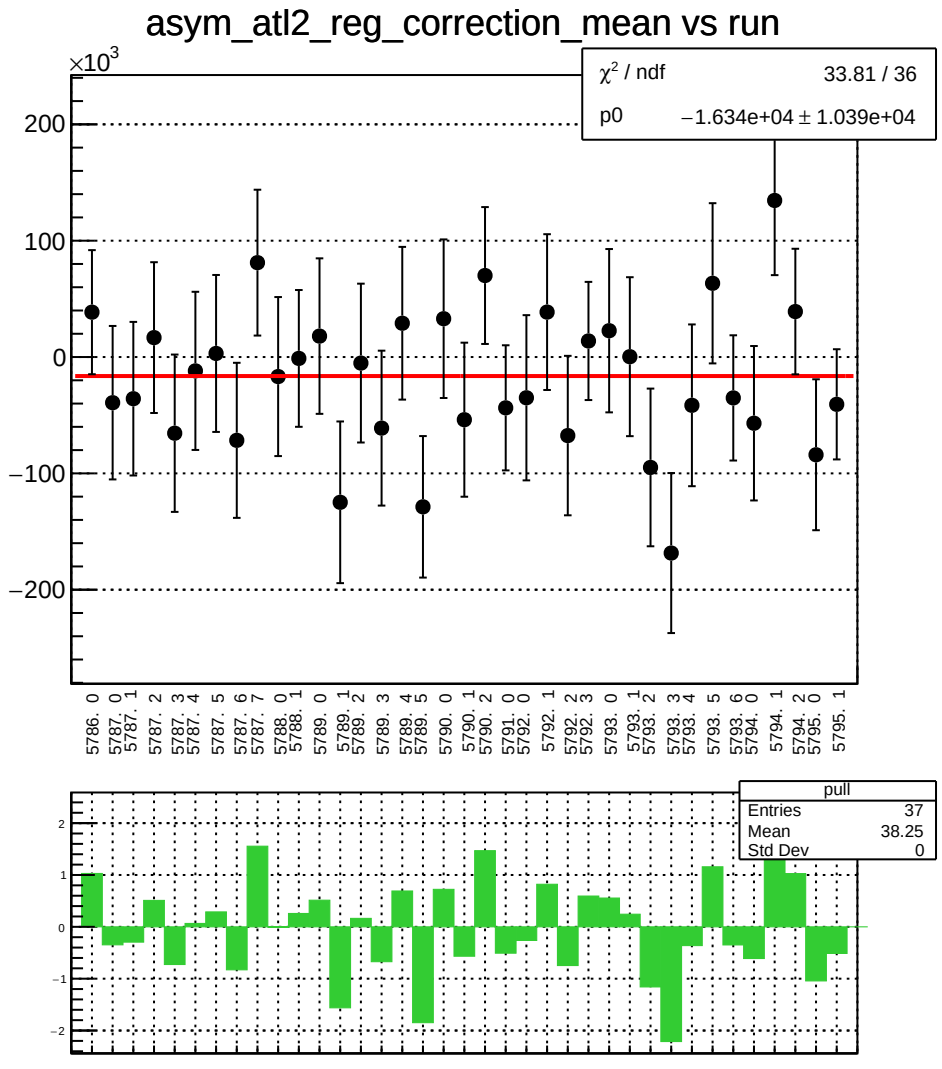

pull1D
Entries 37
Mean −0.08775
Std Dev 1.194

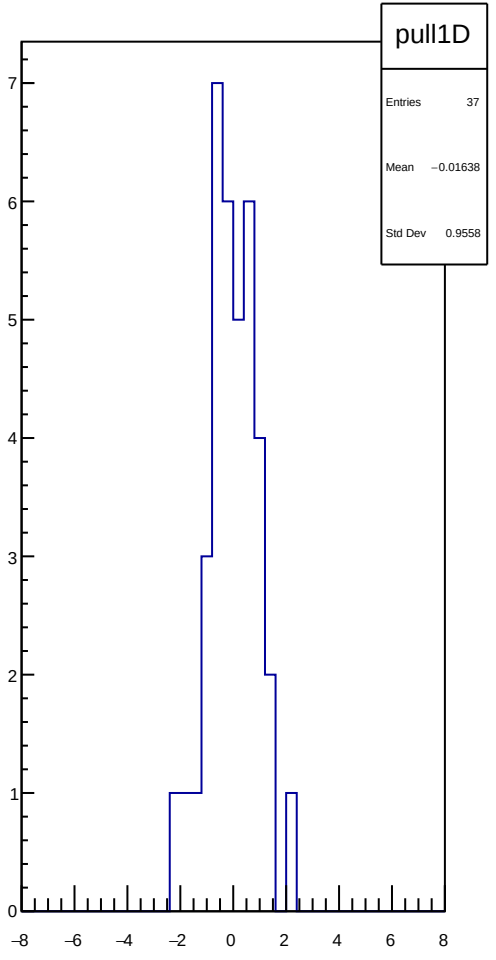

asym_atl1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.419e+05 / 36
p0 7.524e−11 ± 1.052e−13
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

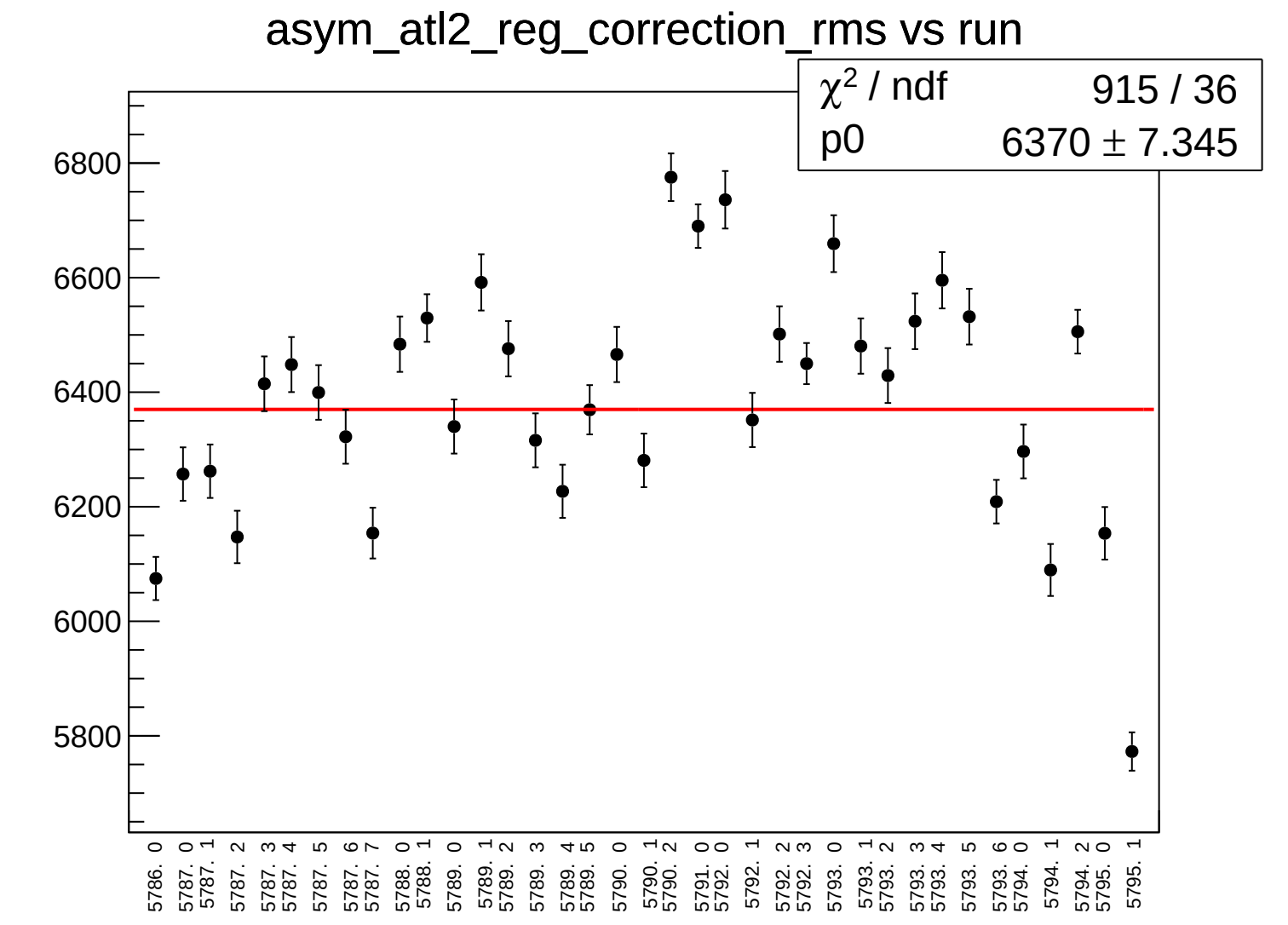

reg_asym_atl2_mean vs run
χ² / ndf 35.48 / 36
p0 98.04 ± 3175
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −51.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

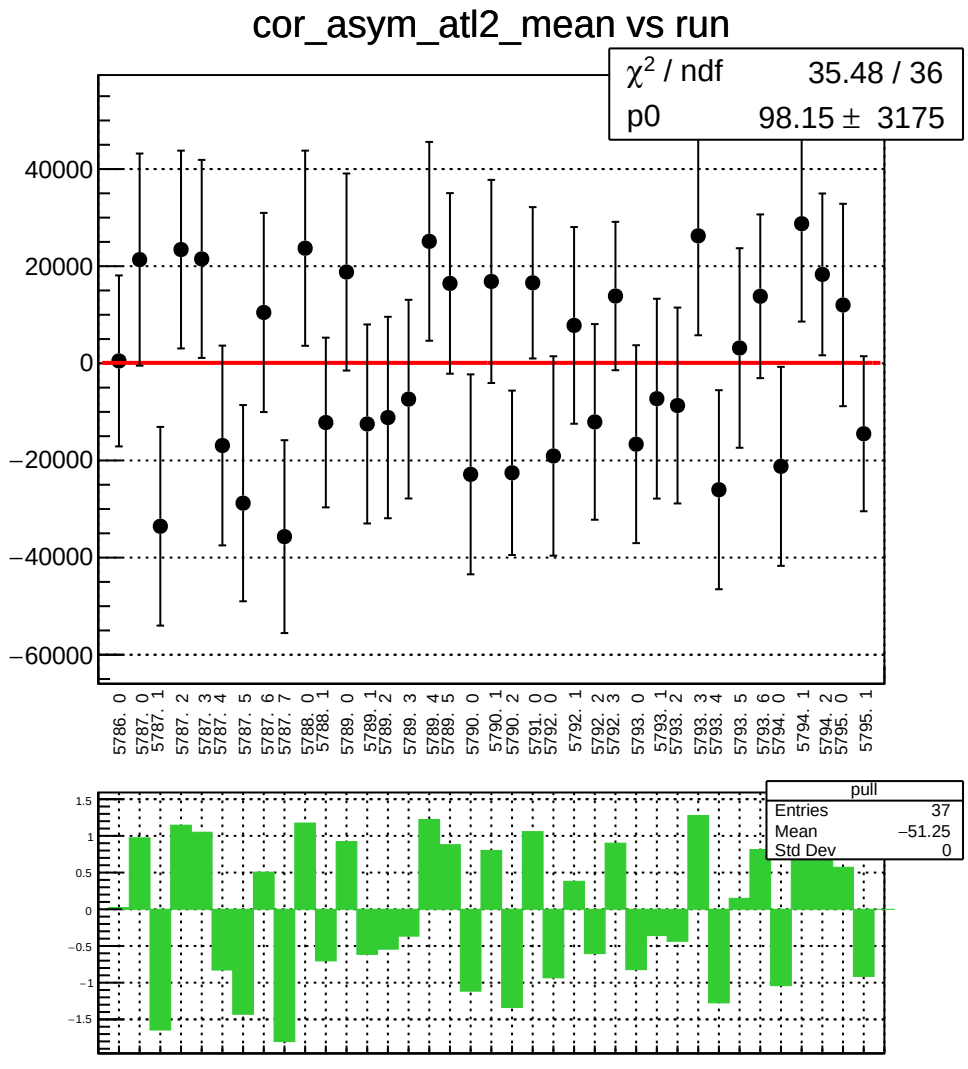

pull1D
Entries 37
Mean −0.01084
Std Dev 0.9792
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

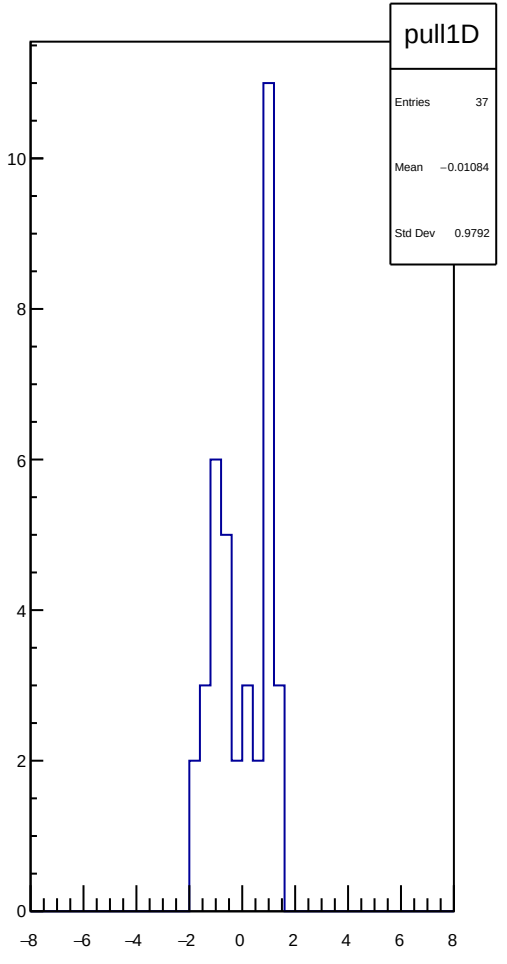

reg_asym_atl2_rms vs run
χ² / ndf 168.3 / 36
p0 1948 ± 2.245
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

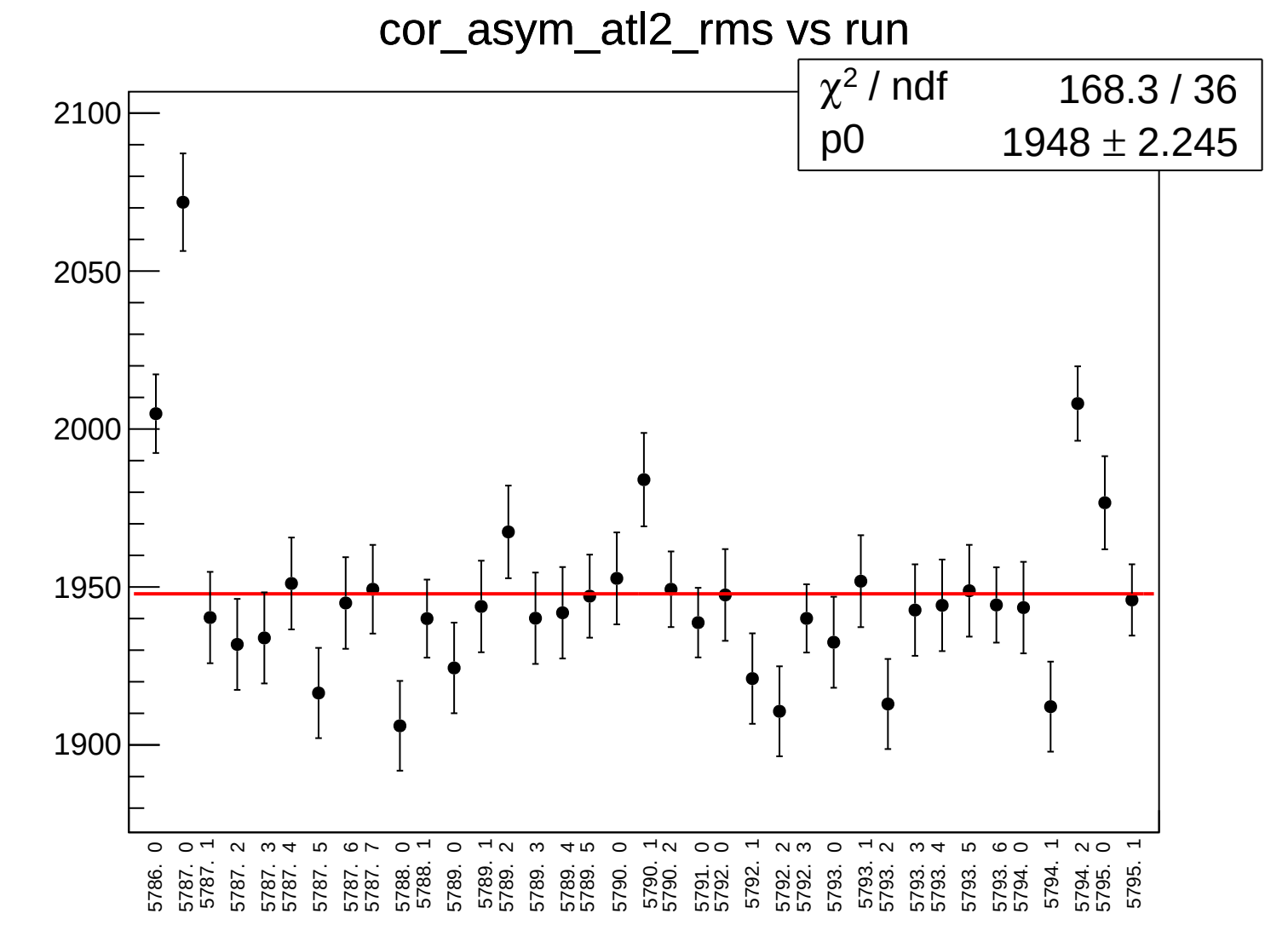

asym_atl2_reg_correction_mean vs run
×10^3
χ² / ndf 33.81 / 36
p0 −1.634e+04 ± 1.039e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.25
Std Dev 0
2
1
0
−1
−2

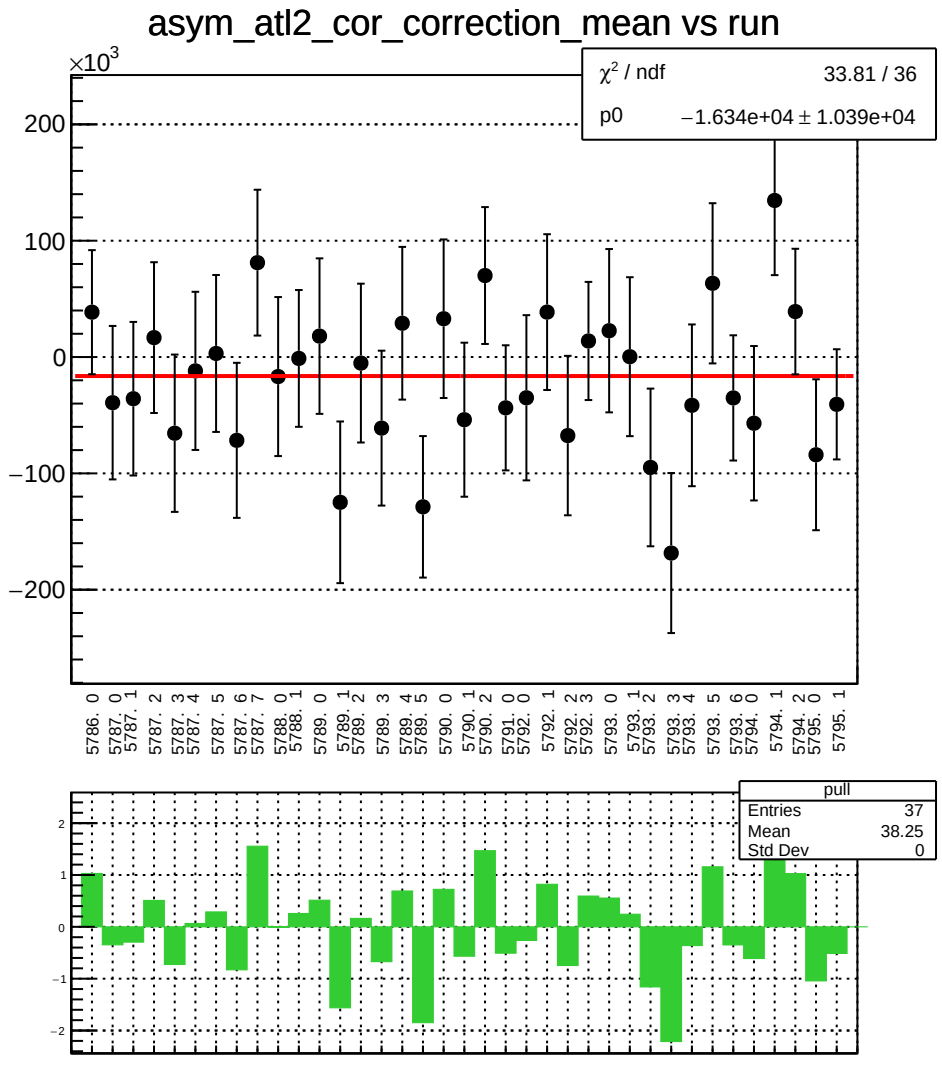

pull1D
Entries 37
Mean −0.01638
Std Dev 0.9558
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

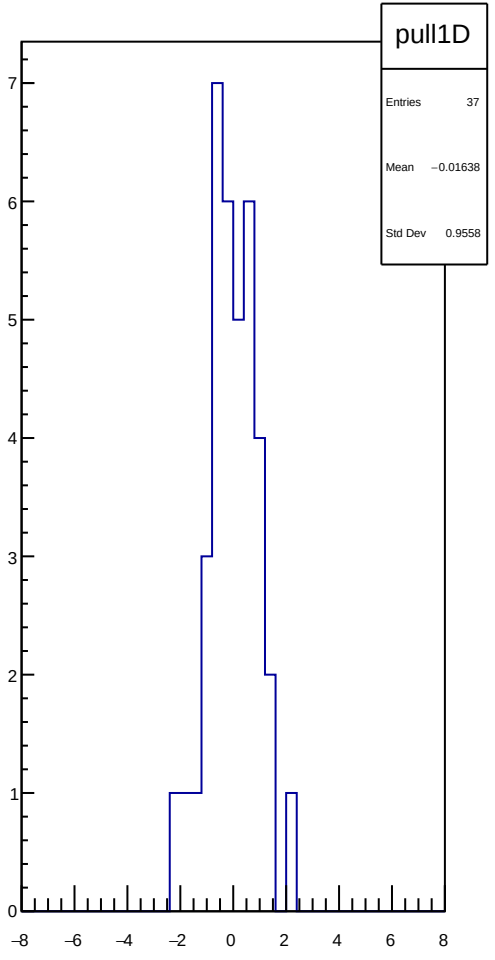

asym_atl2_reg_correction_rms vs run
χ² / ndf 915 / 36
p0 6370 ± 7.345
6800
6600
6400
6200
6000
5800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

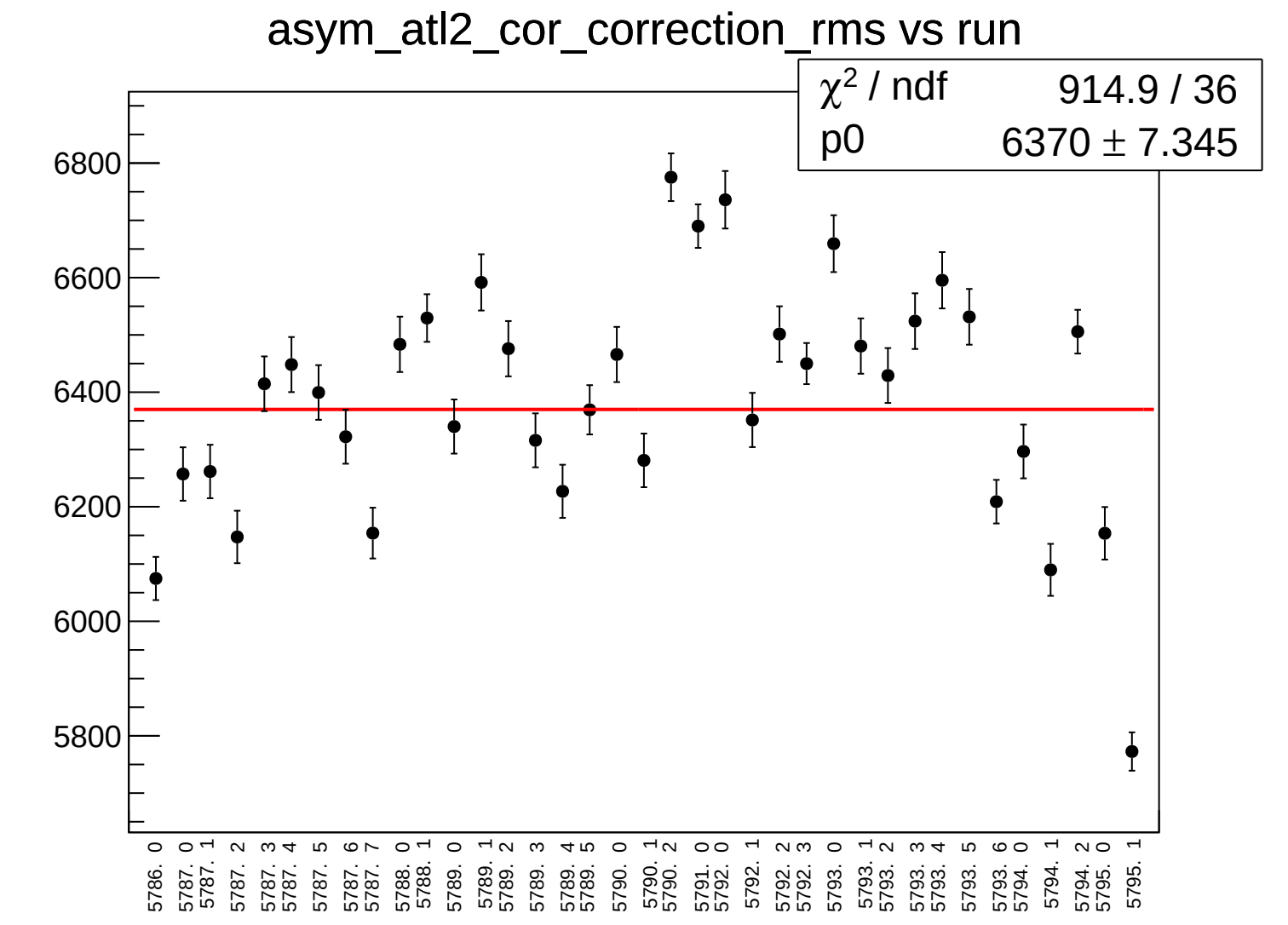

cor_asym_atl2_mean vs run
χ² / ndf 35.48 / 36
p0 98.15 ± 3175
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −51.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01084
Std Dev 0.9792
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl2_rms vs run
χ^2 / ndf 168.3 / 36
p0 1948 ± 2.245
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl2_cor_correction_mean vs run
×10^3
χ² / ndf 33.81 / 36
p0 −1.634e+04 ± 1.039e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.25
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01638
Std Dev 0.9558
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl2_cor_correction_rms vs run
χ² / ndf 914.9 / 36
p0 6370 ± 7.345
6800
6600
6400
6200
6000
5800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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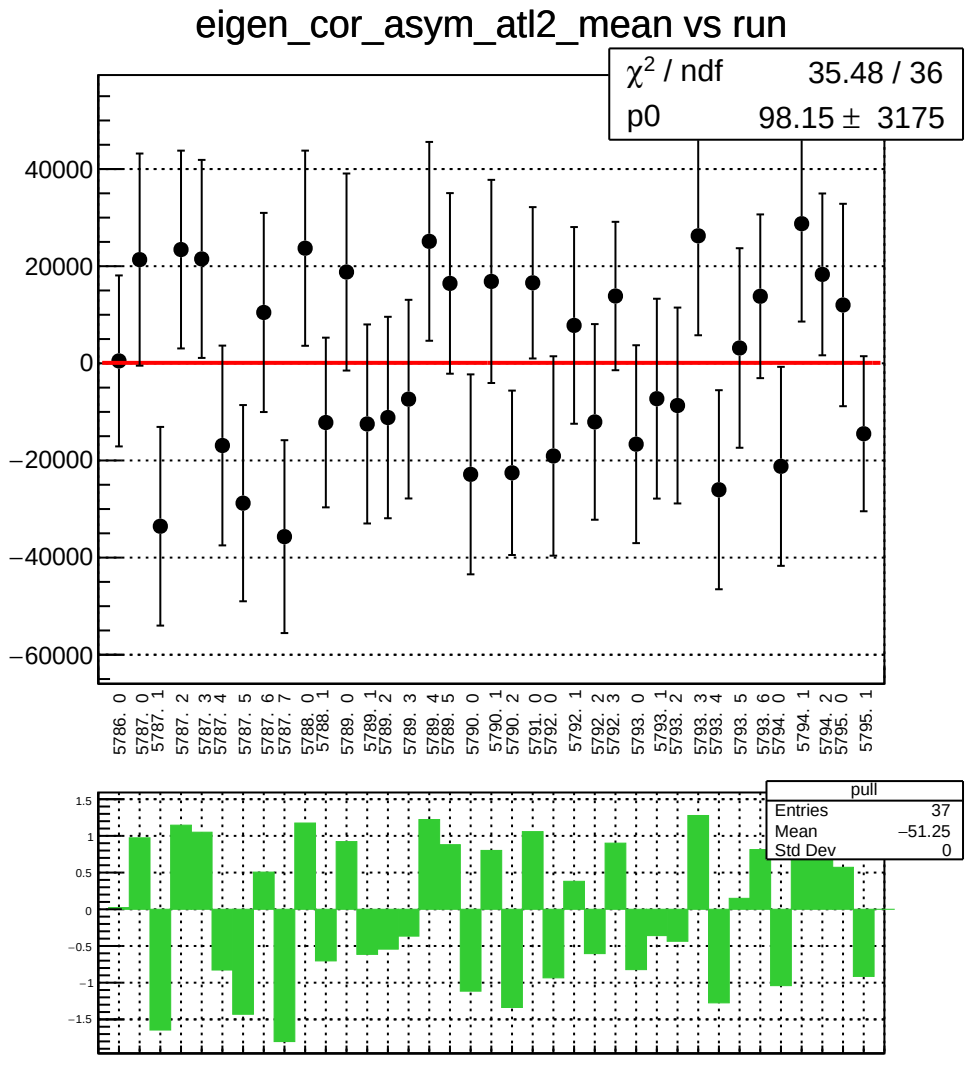
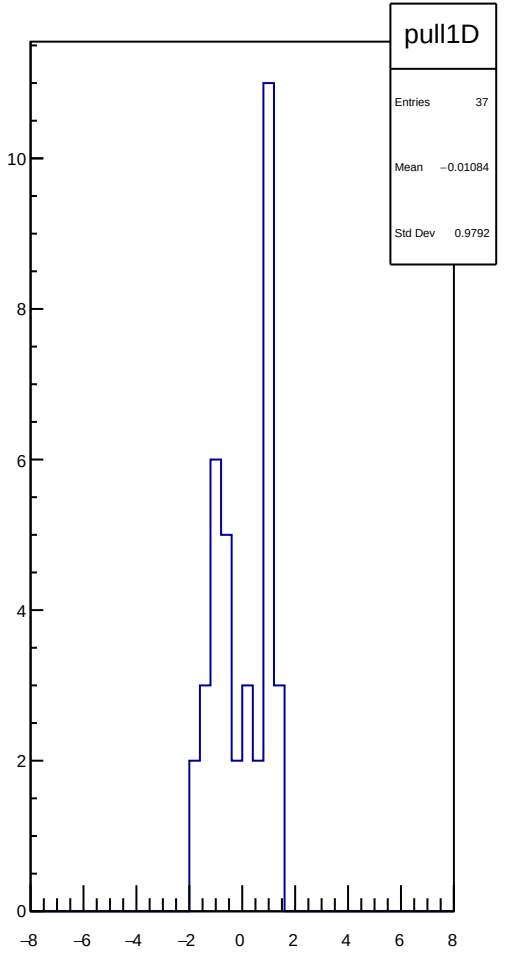
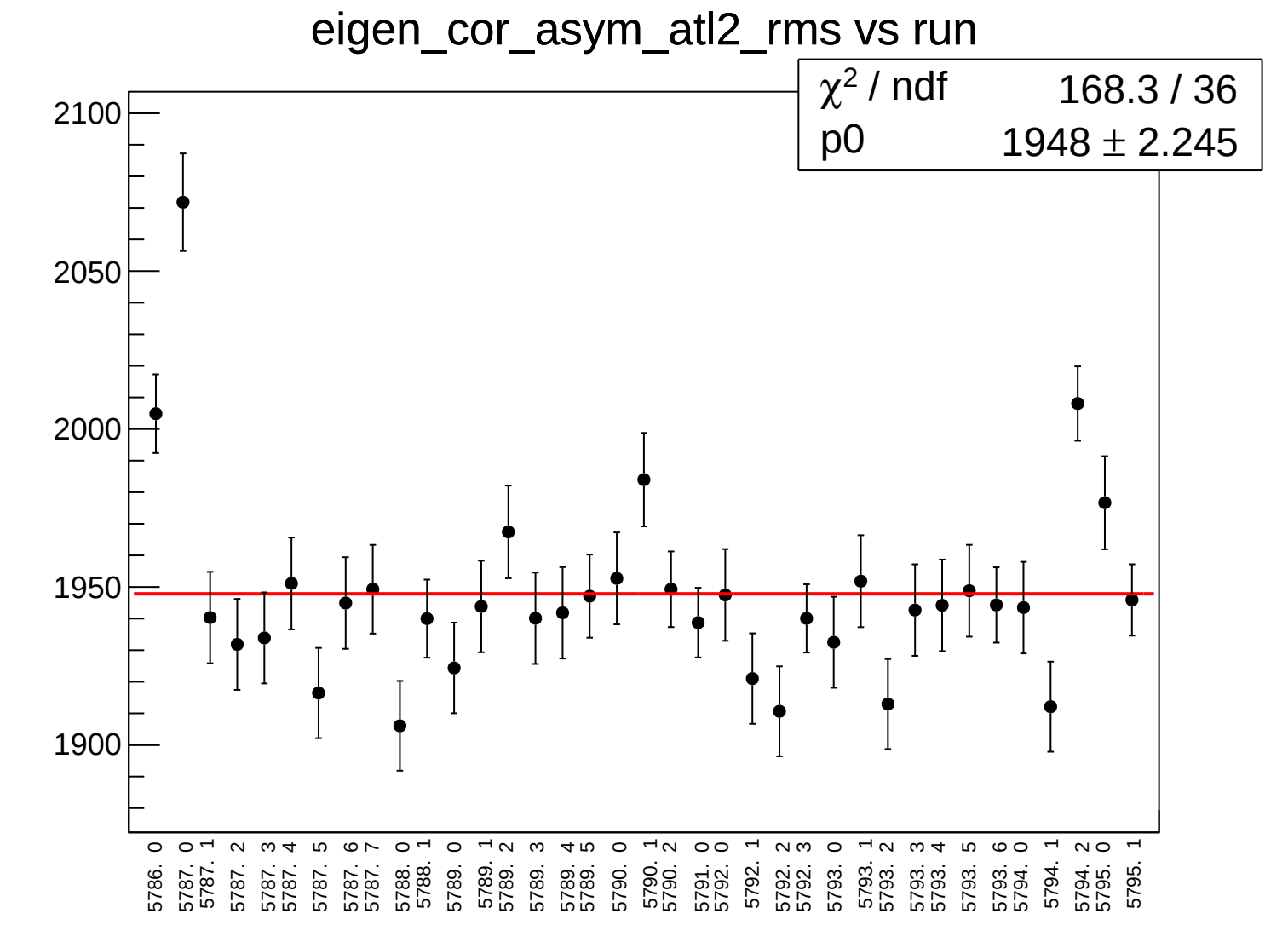
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atl2_mean vs run
χ² / ndf 35.48 / 36
p0 98.15 ± 3175
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −51.25
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01084
Std Dev 0.9792
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl2_rms vs run
χ² / ndf 168.3 / 36
p0 1948 ± 2.245
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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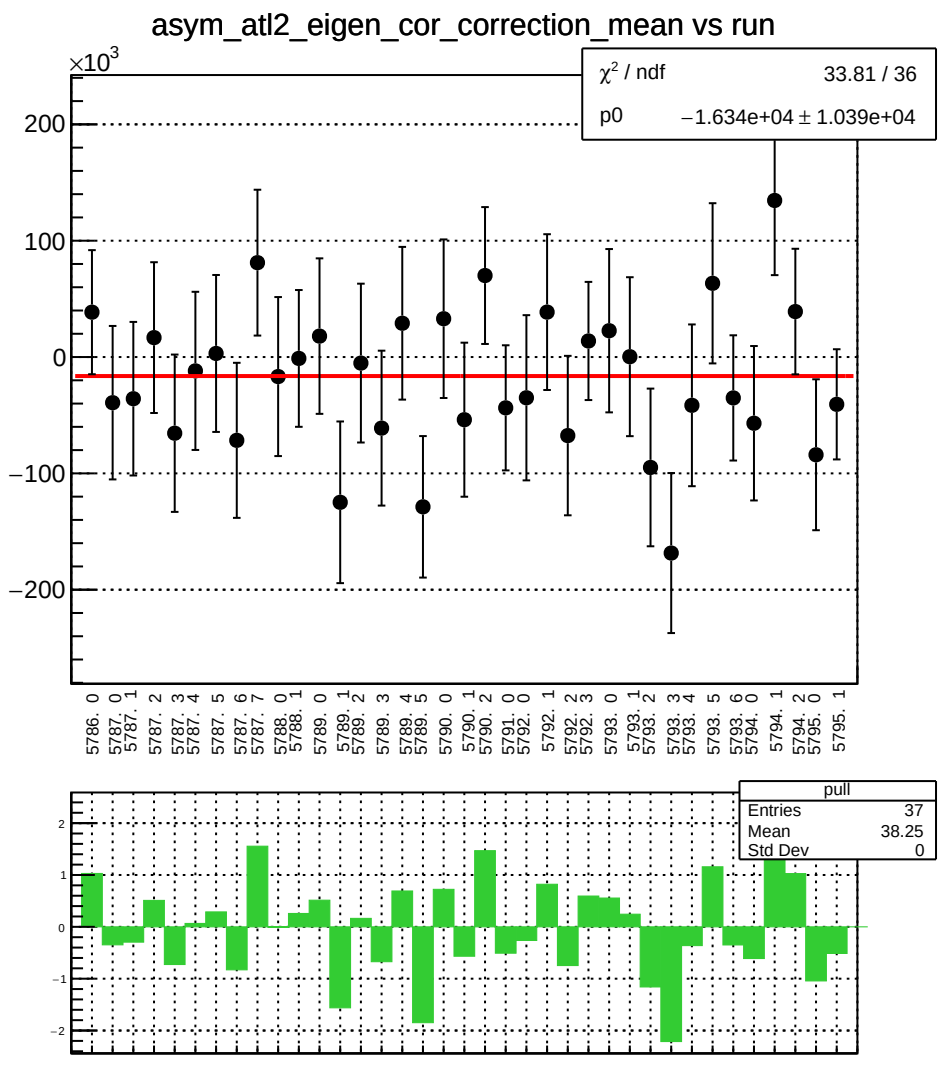
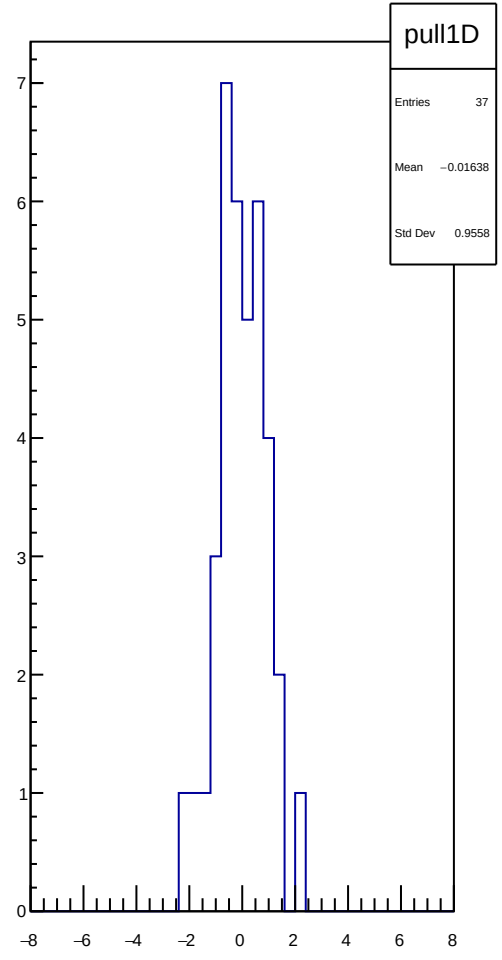
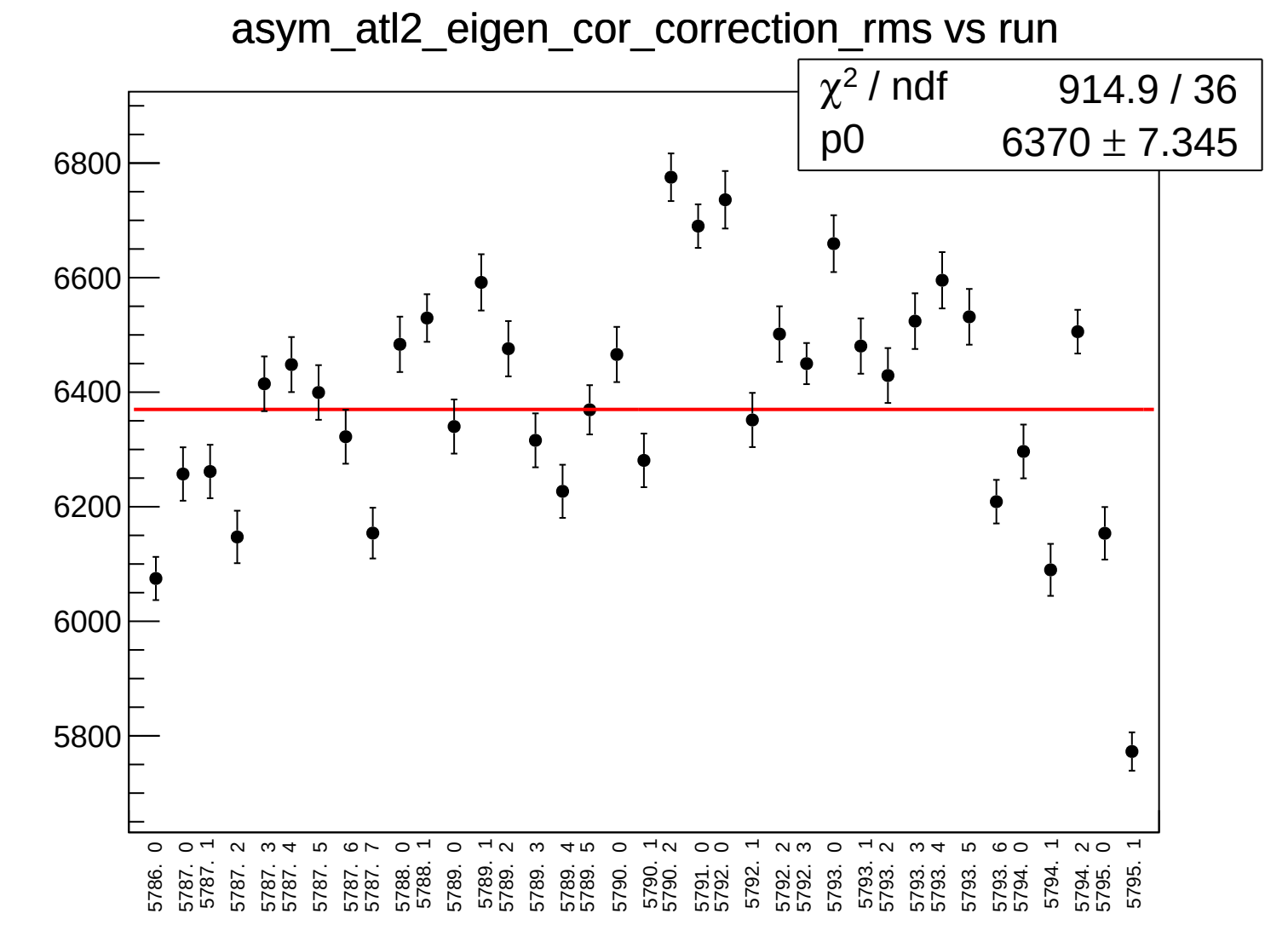
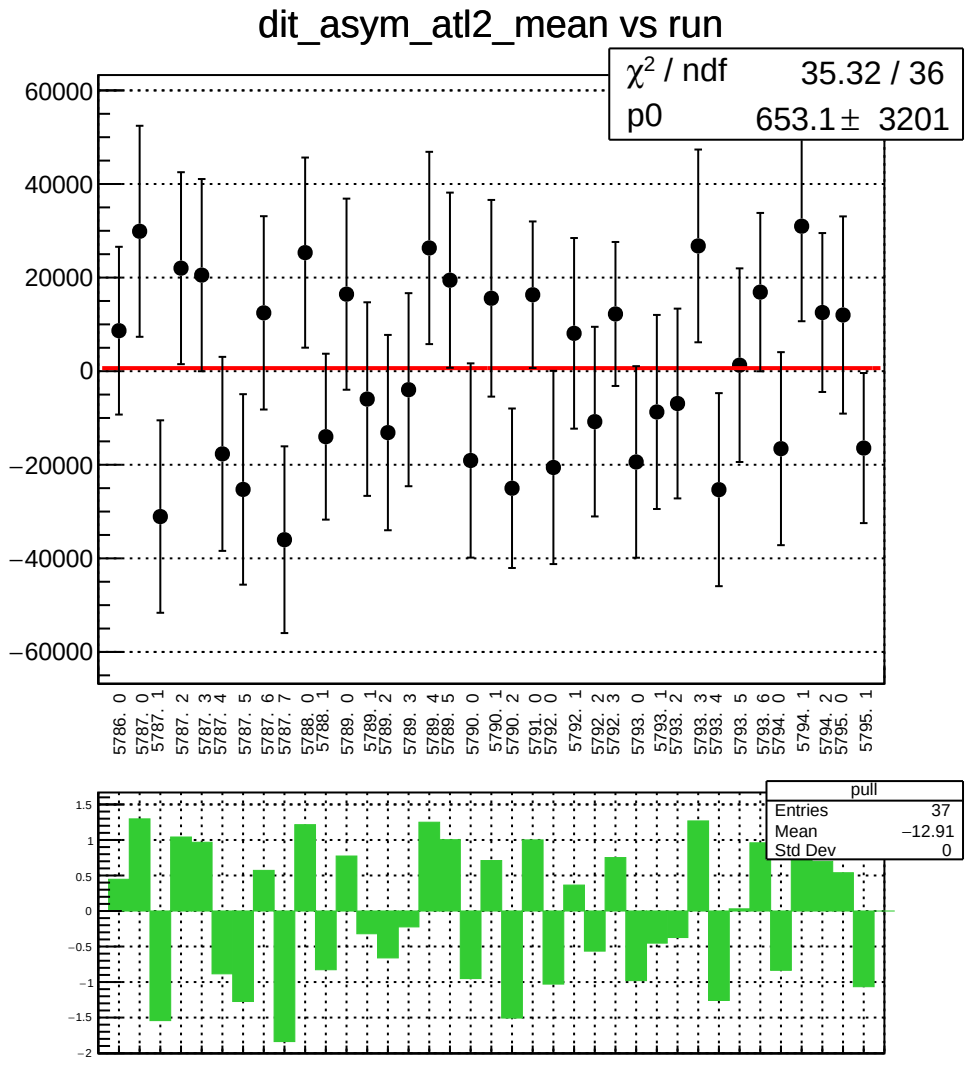
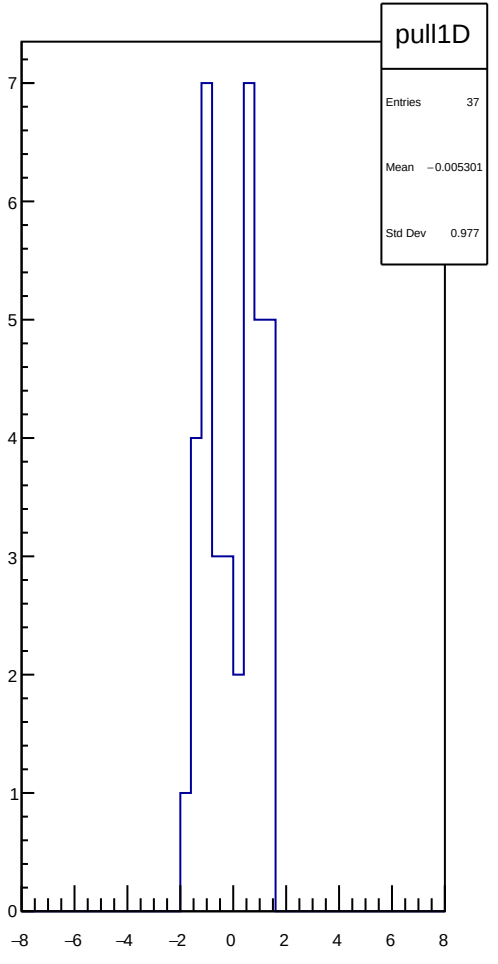
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

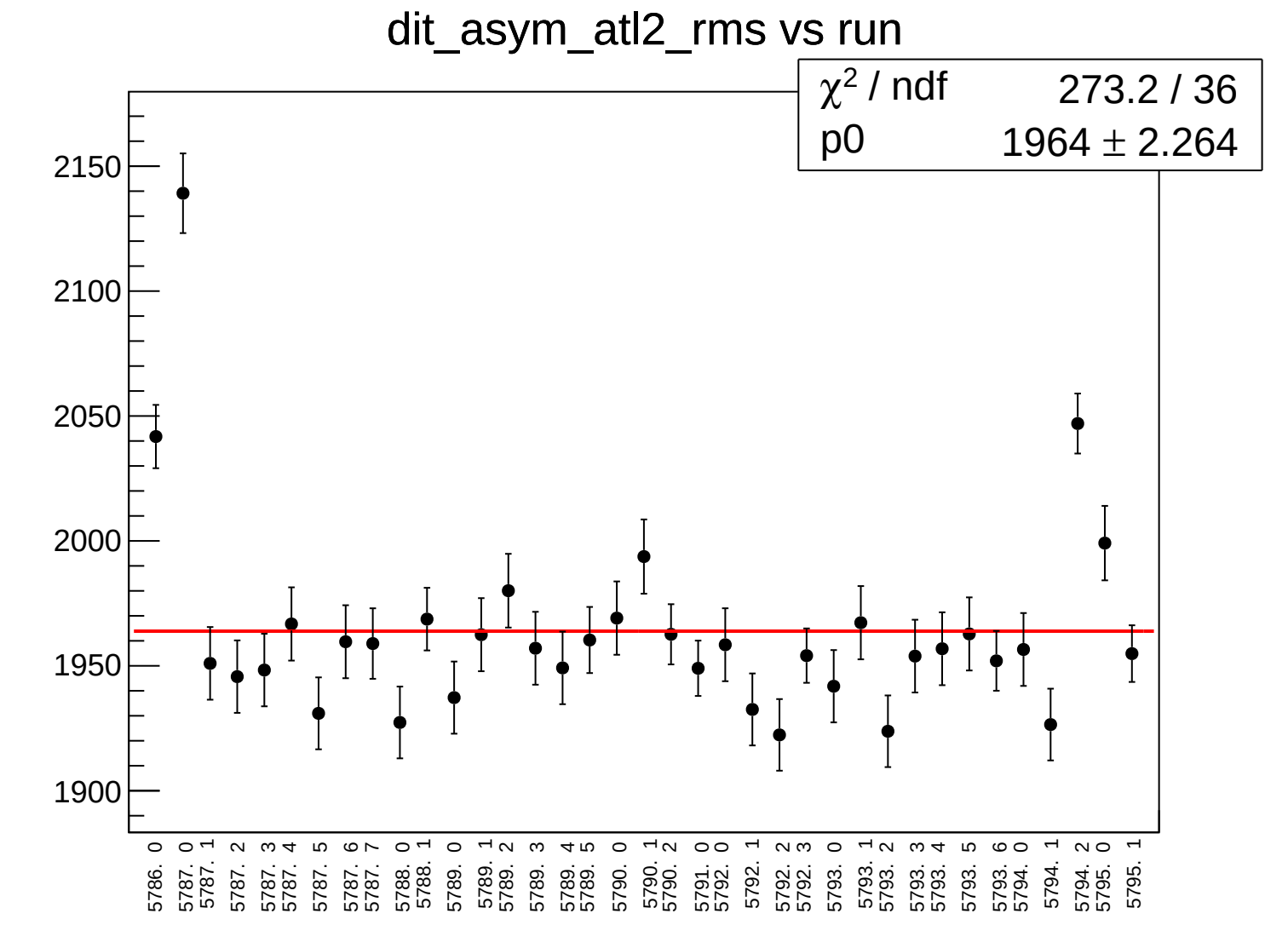

asym_atl2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 33.81 / 36
p0 −1.634e+04 ± 1.039e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.25
Std Dev 0
2
1
0
−1
−2

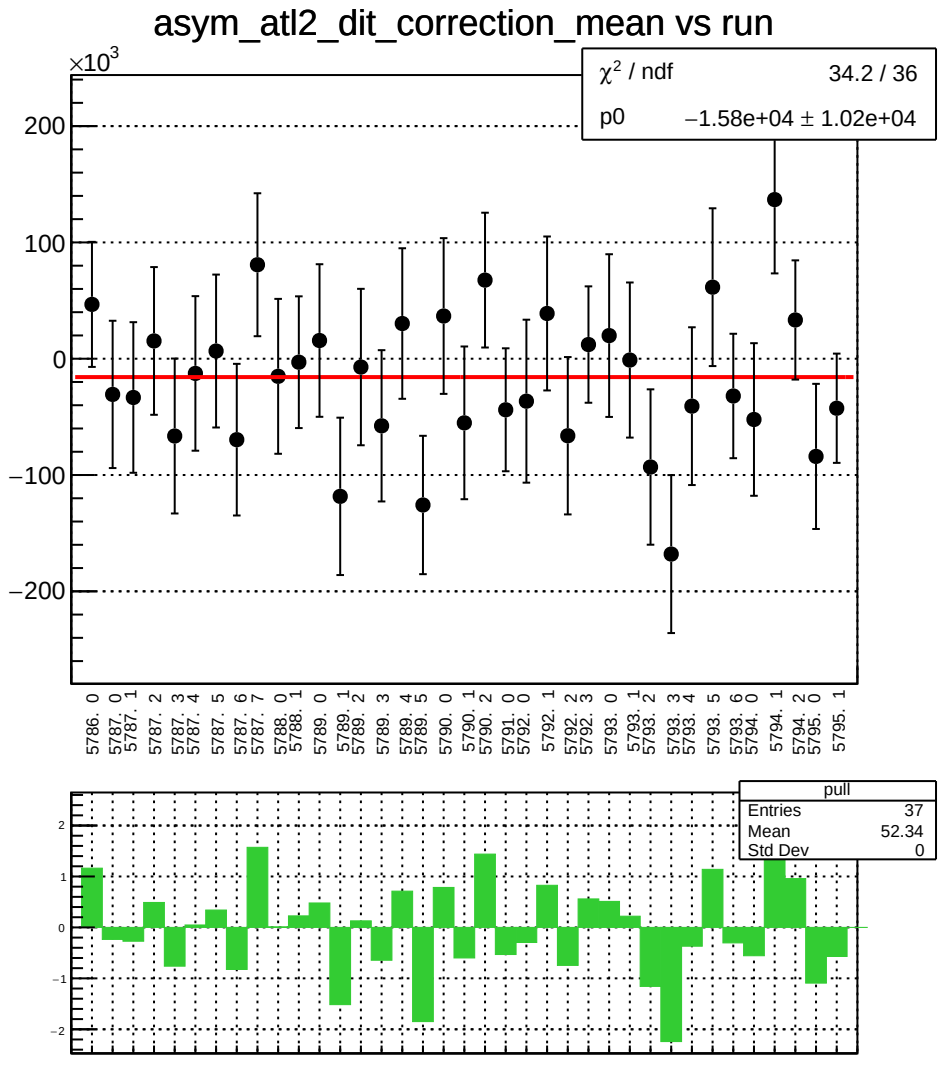

pull1D
Entries 37
Mean −0.01638
Std Dev 0.9558
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

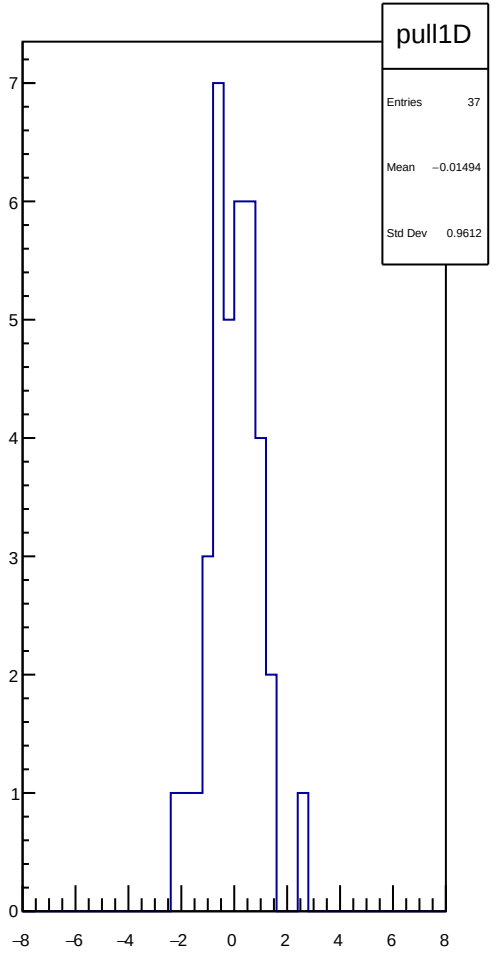

asym_atl2_eigen_cor_correction_rms vs run
χ² / ndf 914.9 / 36
p0 6370 ± 7.345
6800
6600
6400
6200
6000
5800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

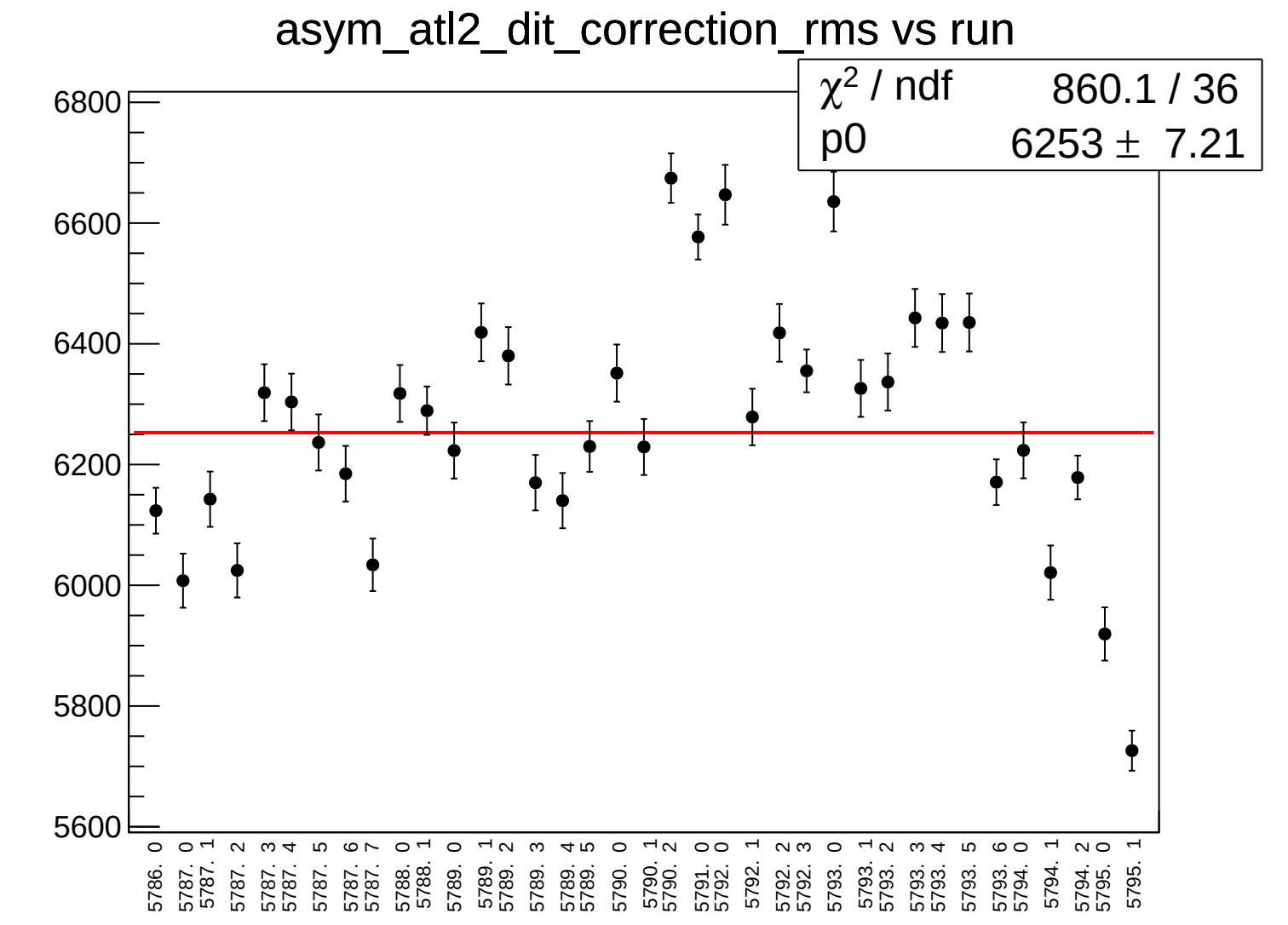

dit_asym_atl2_mean vs run
χ² / ndf 35.32 / 36
p0 653.1 ± 3201
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

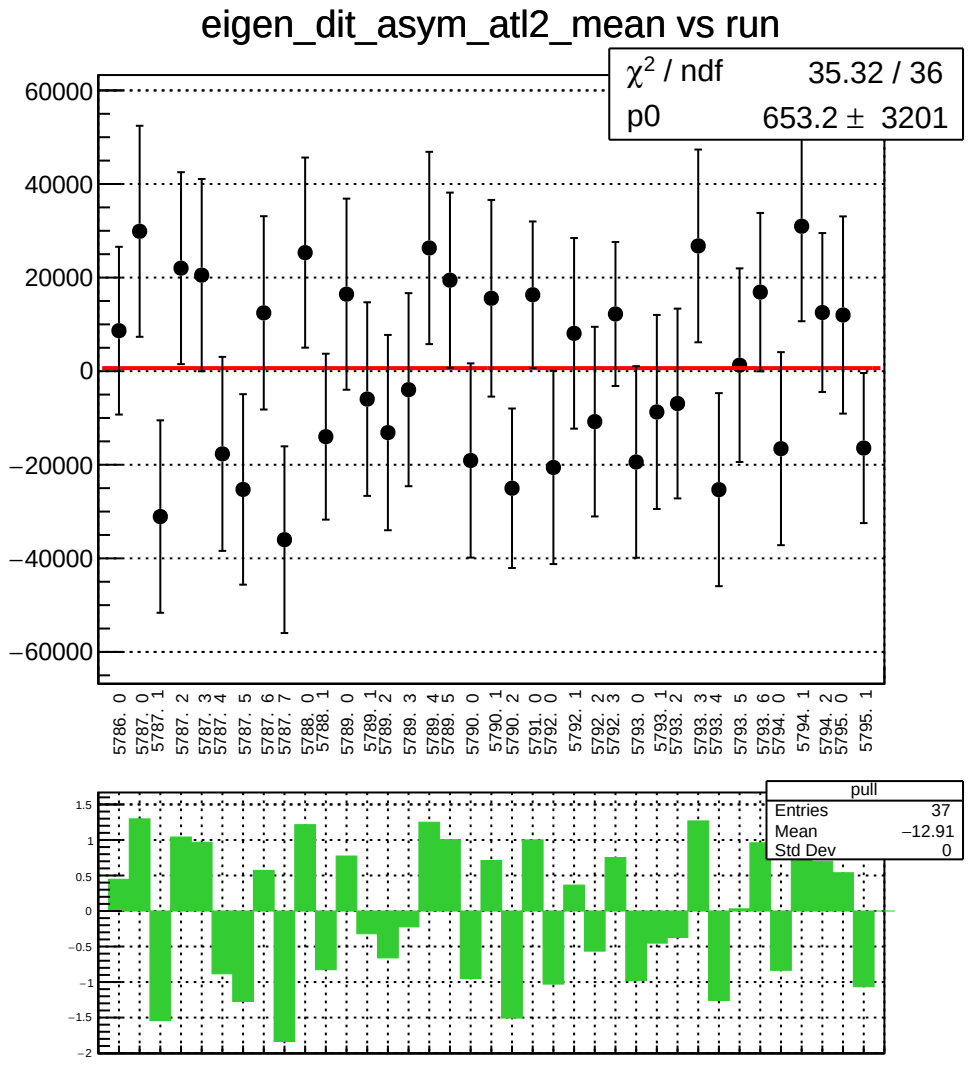

pull1D
Entries 37
Mean −0.005301
Std Dev 0.977
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

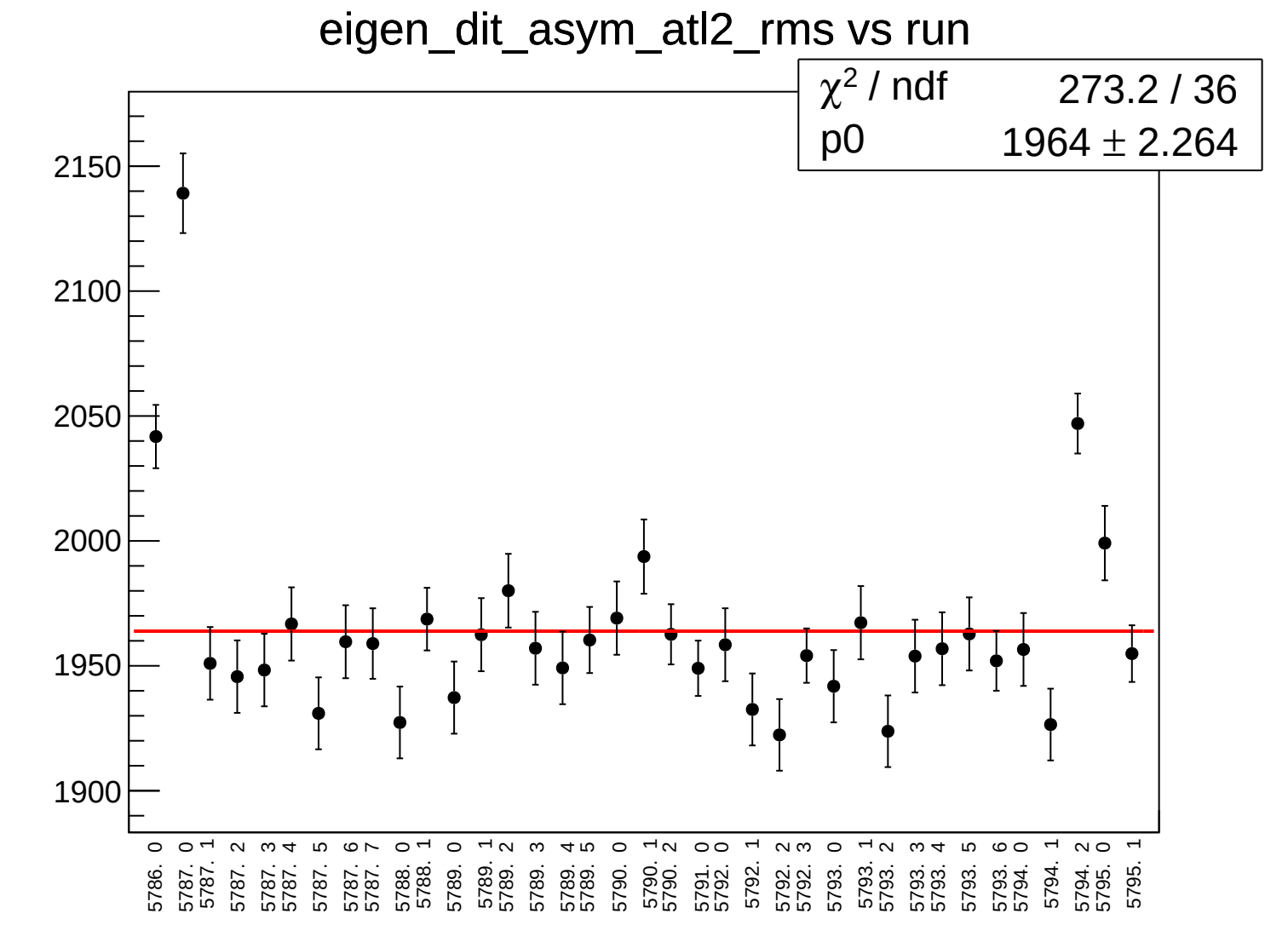

dit_asym_atl2_rms vs run
χ² / ndf 273.2 / 36
p0 1964 ± 2.264
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

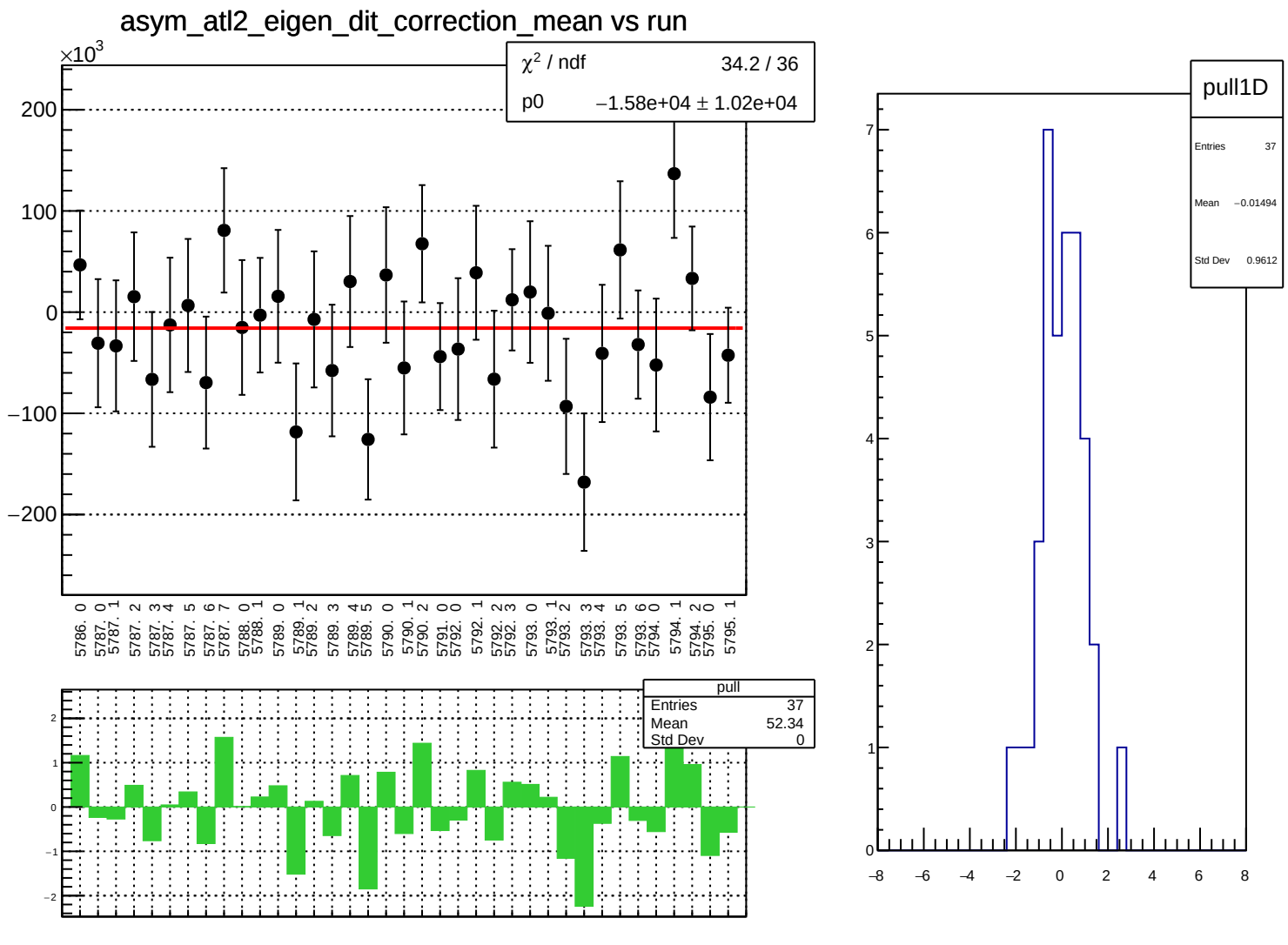

asym_atl2_dit_correction_mean vs run
×10^3
χ² / ndf 34.2 / 36
p0 −1.58e+04 ± 1.02e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 52.34
Std Dev 0
2
1
0
−1
−2

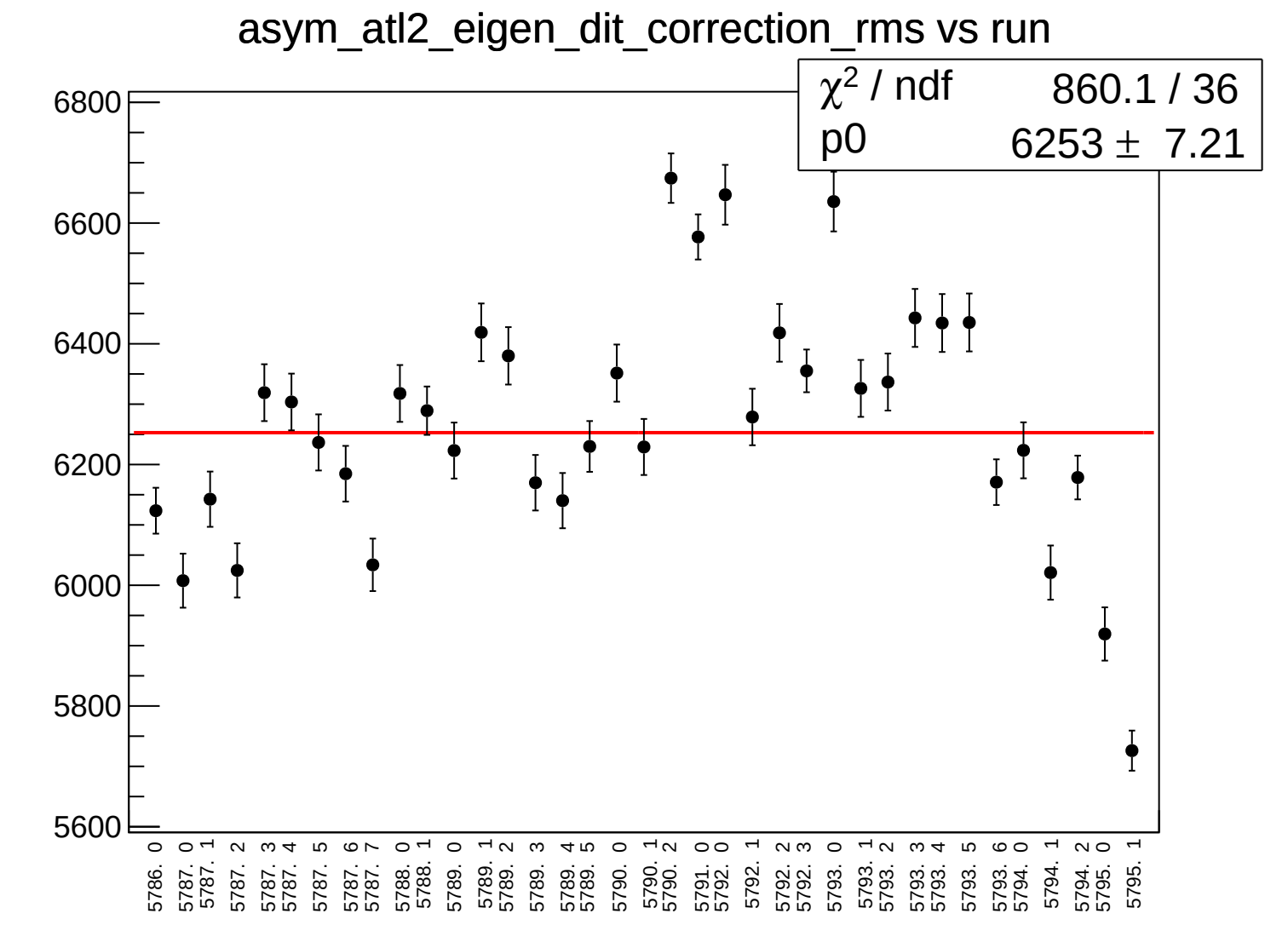

pull1D
Entries 37
Mean −0.01494
Std Dev 0.9612
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

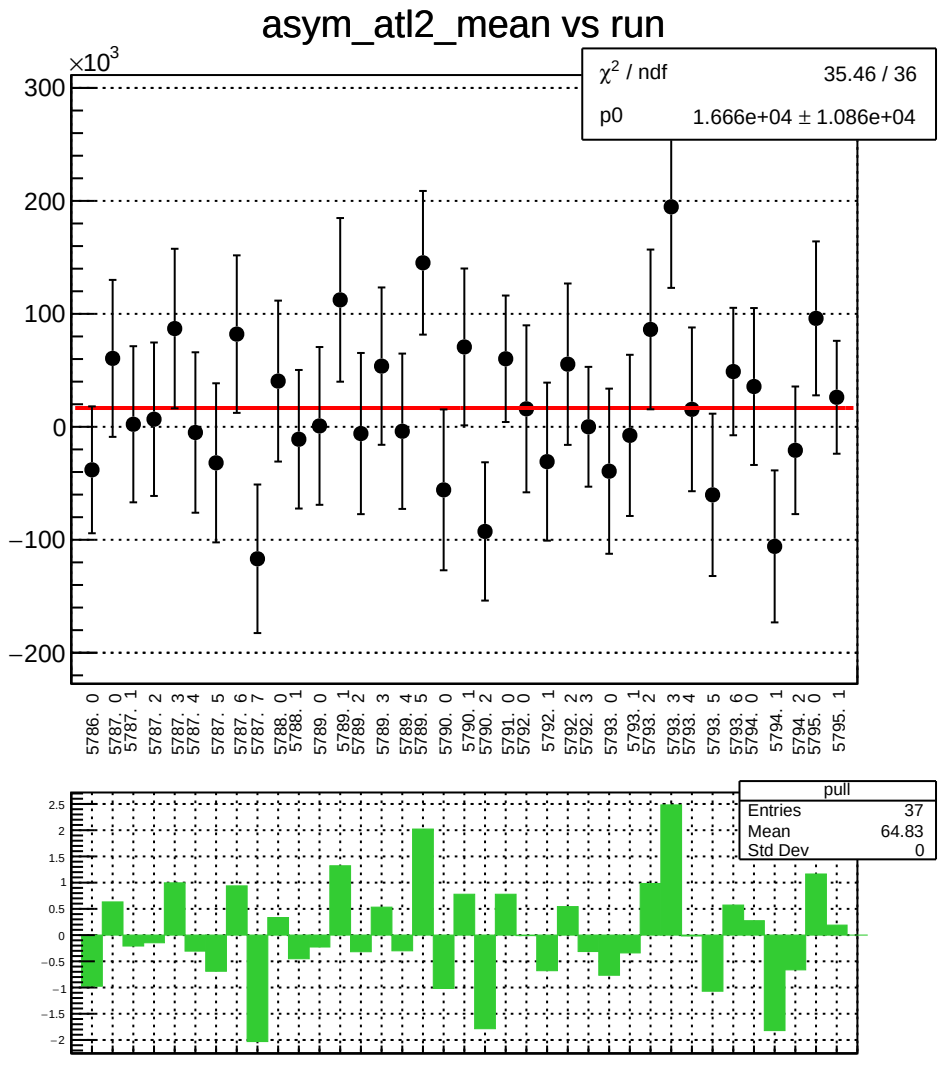

asym_atl2_dit_correction_rms vs run
χ² / ndf 860.1 / 36
p0 6253 ± 7.21
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

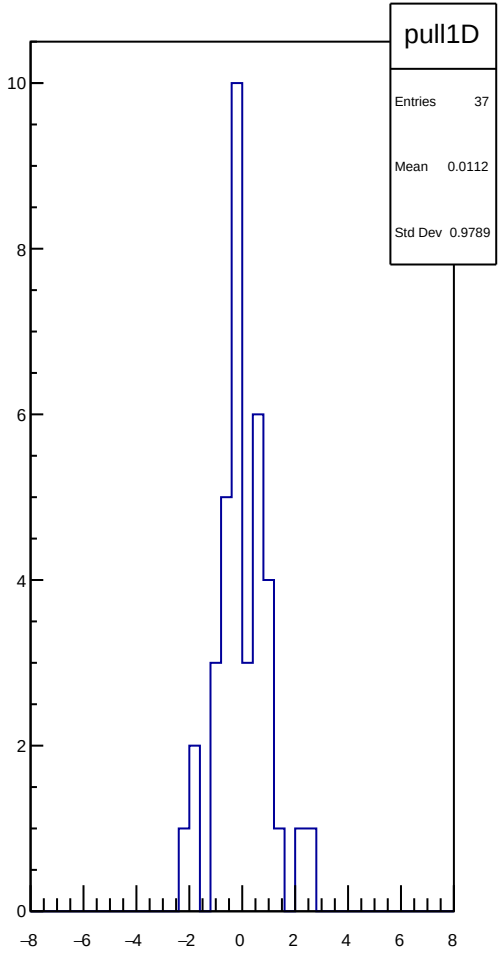

eigen_dit_asym_atl2_mean vs run
χ² / ndf 35.32 / 36
p0 653.2 ± 3201
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.91
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.005301
Std Dev 0.977
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

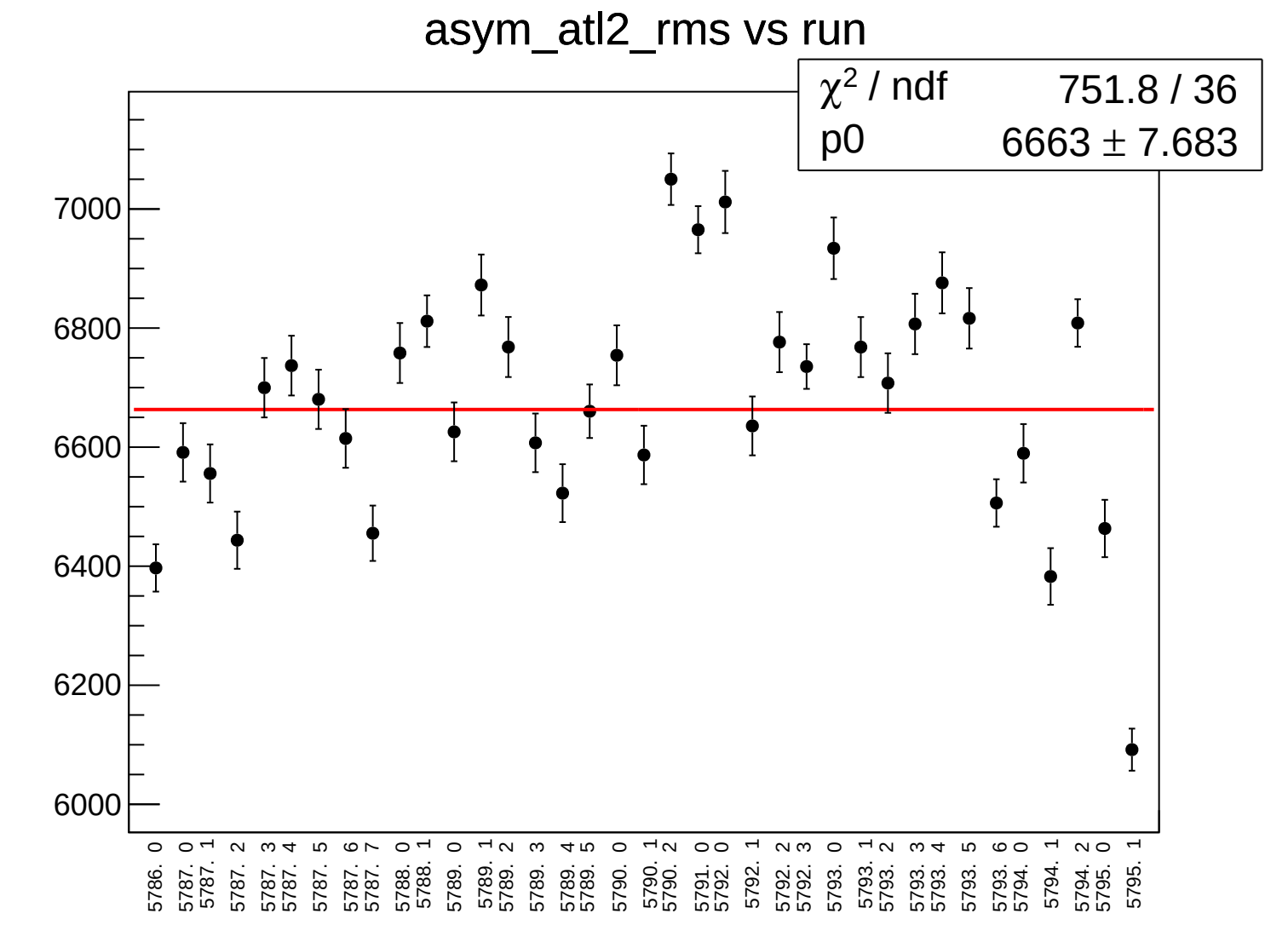

eigen_dit_asym_atl2_rms vs run
χ² / ndf 273.2 / 36
p0 1964 ± 2.264
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

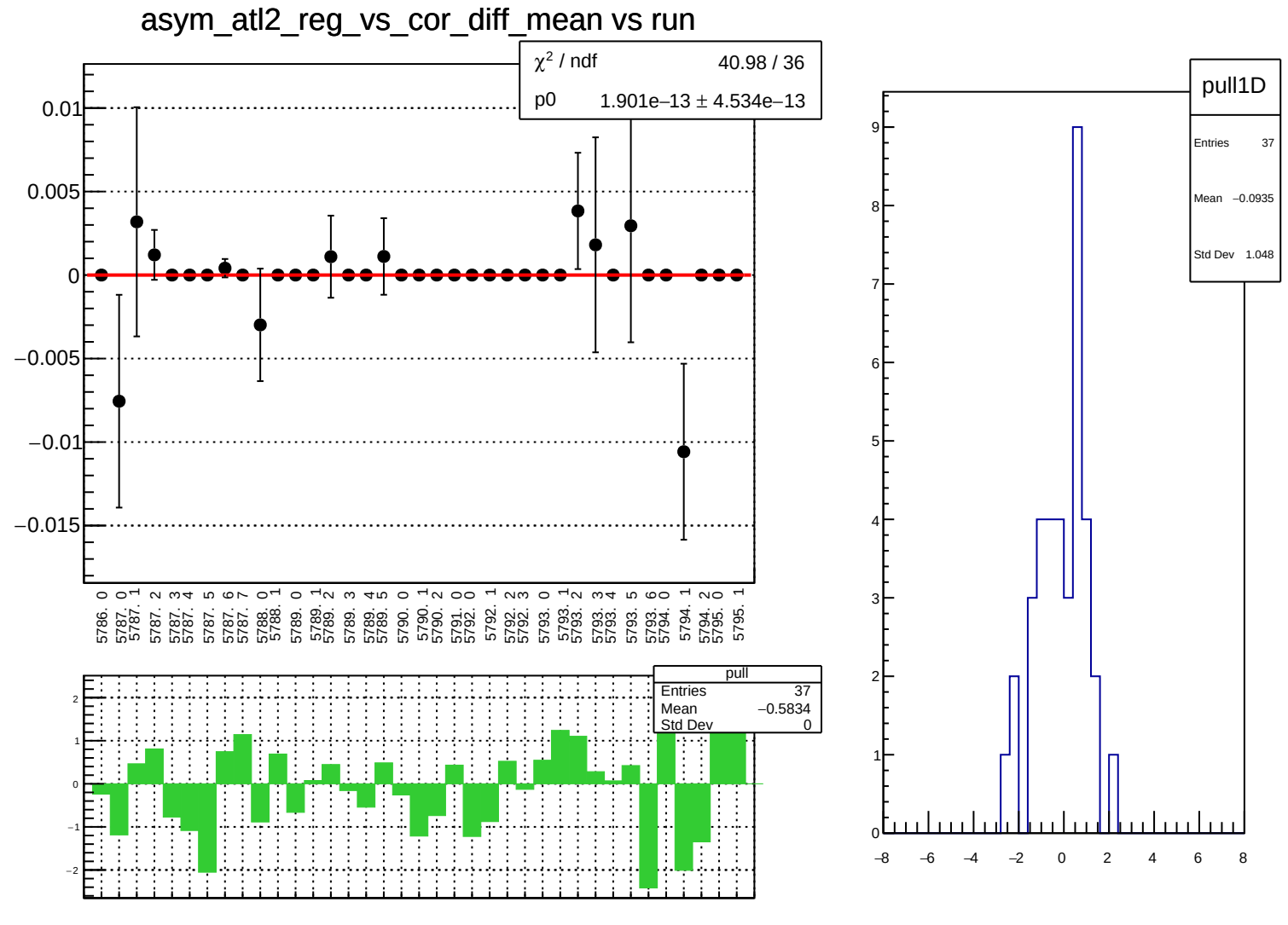

asym_atl2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.2 / 36
p0 −1.58e+04 ± 1.02e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 52.34
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01494
Std Dev 0.9612
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

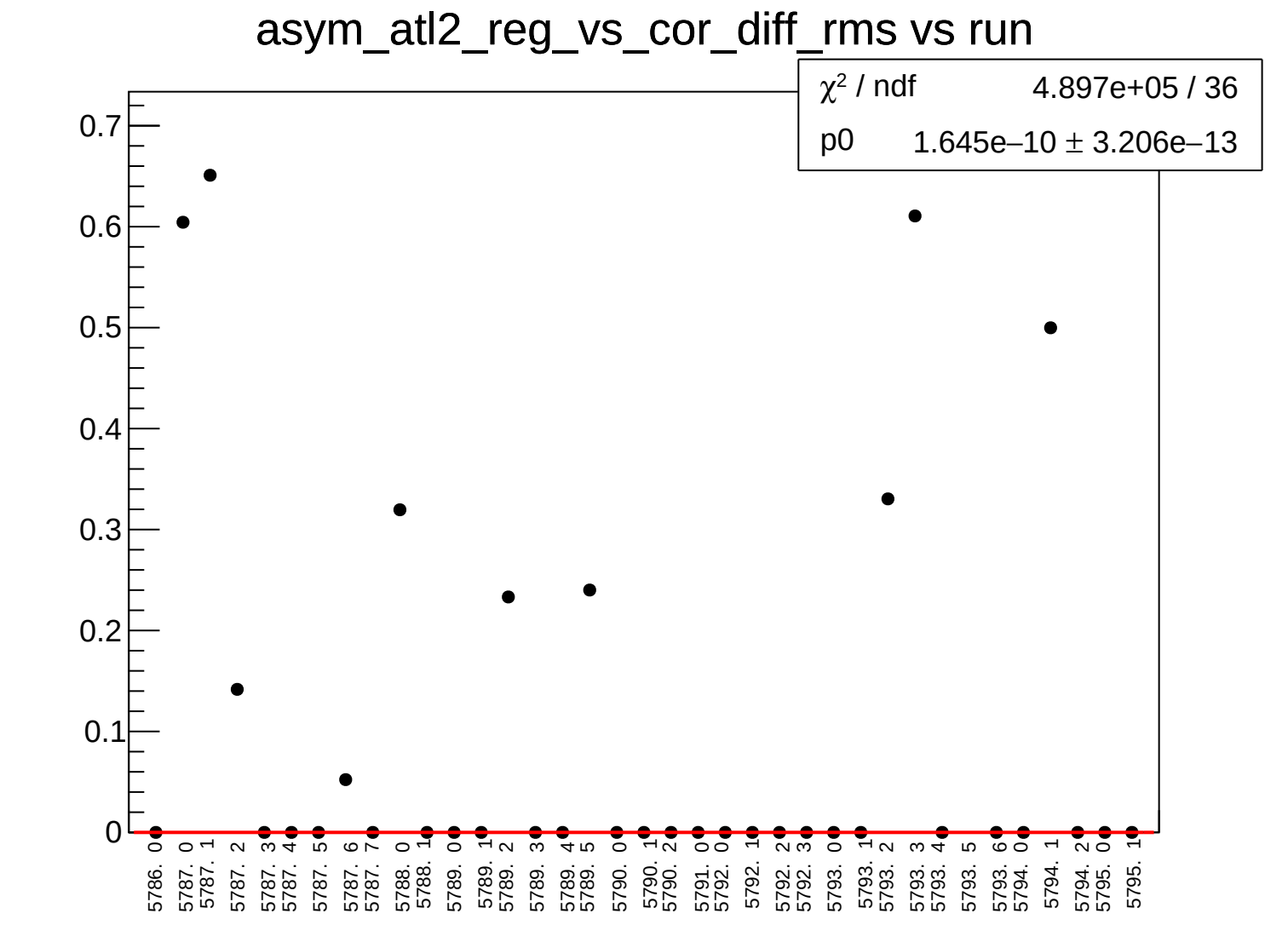

asym_atl2_eigen_dit_correction_rms vs run
χ² / ndf 860.1 / 36
p0 6253 ± 7.21
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

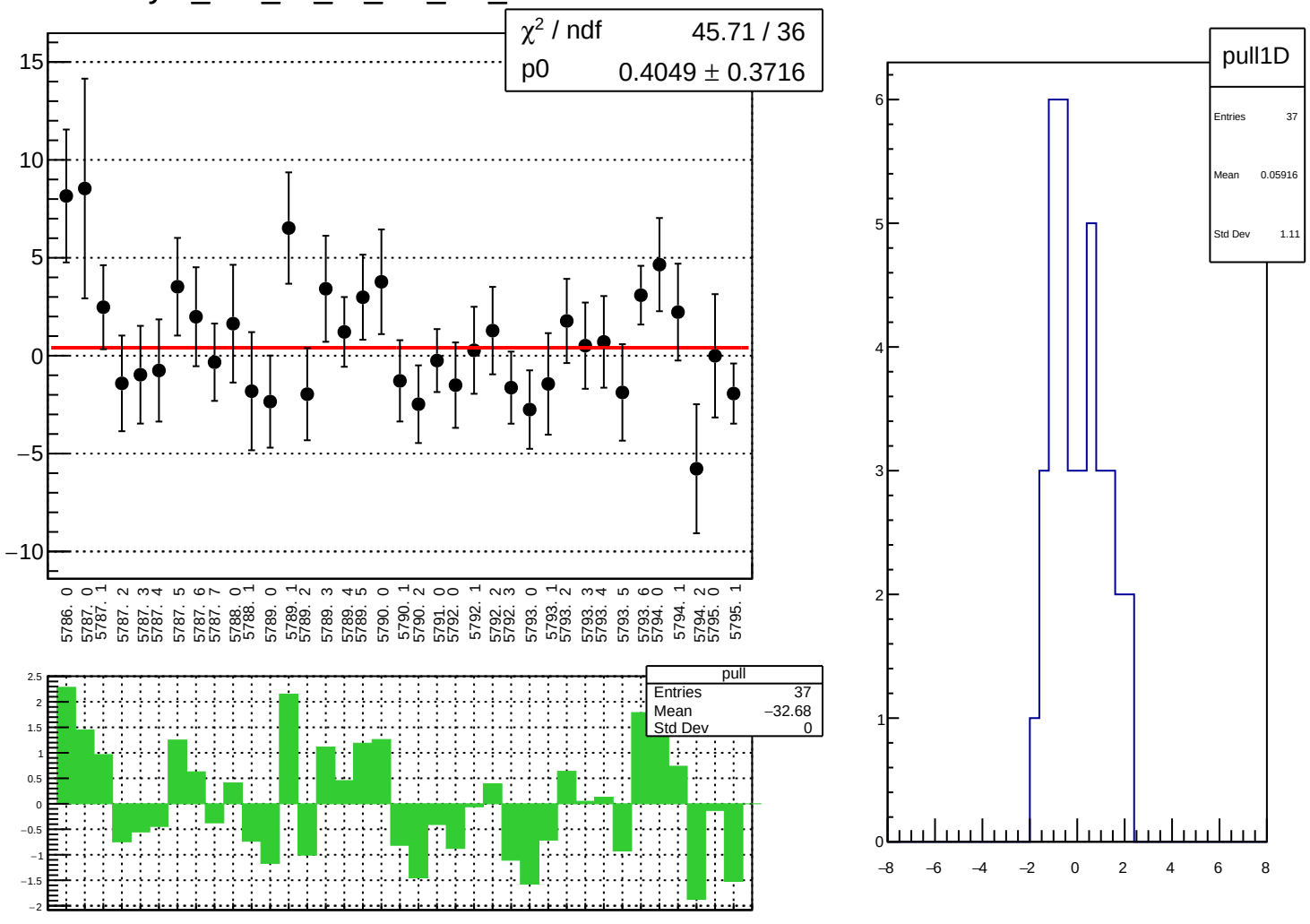

asym_atl2_mean vs run
×10^3
χ² / ndf 35.46 / 36
p0 1.666e+04 ± 1.086e+04
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 64.83
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

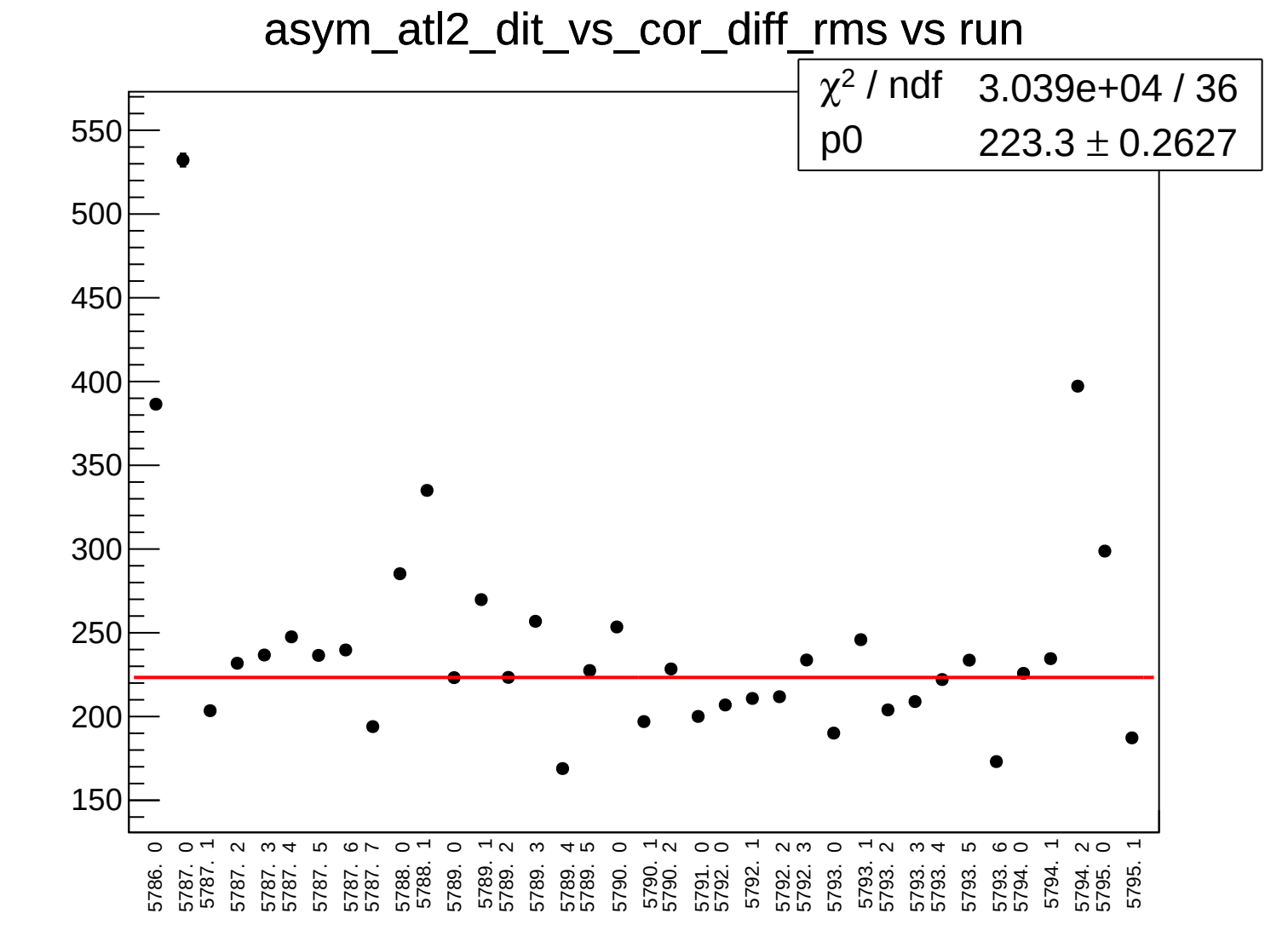

pull1D
Entries 37
Mean 0.0112
Std Dev 0.9789
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

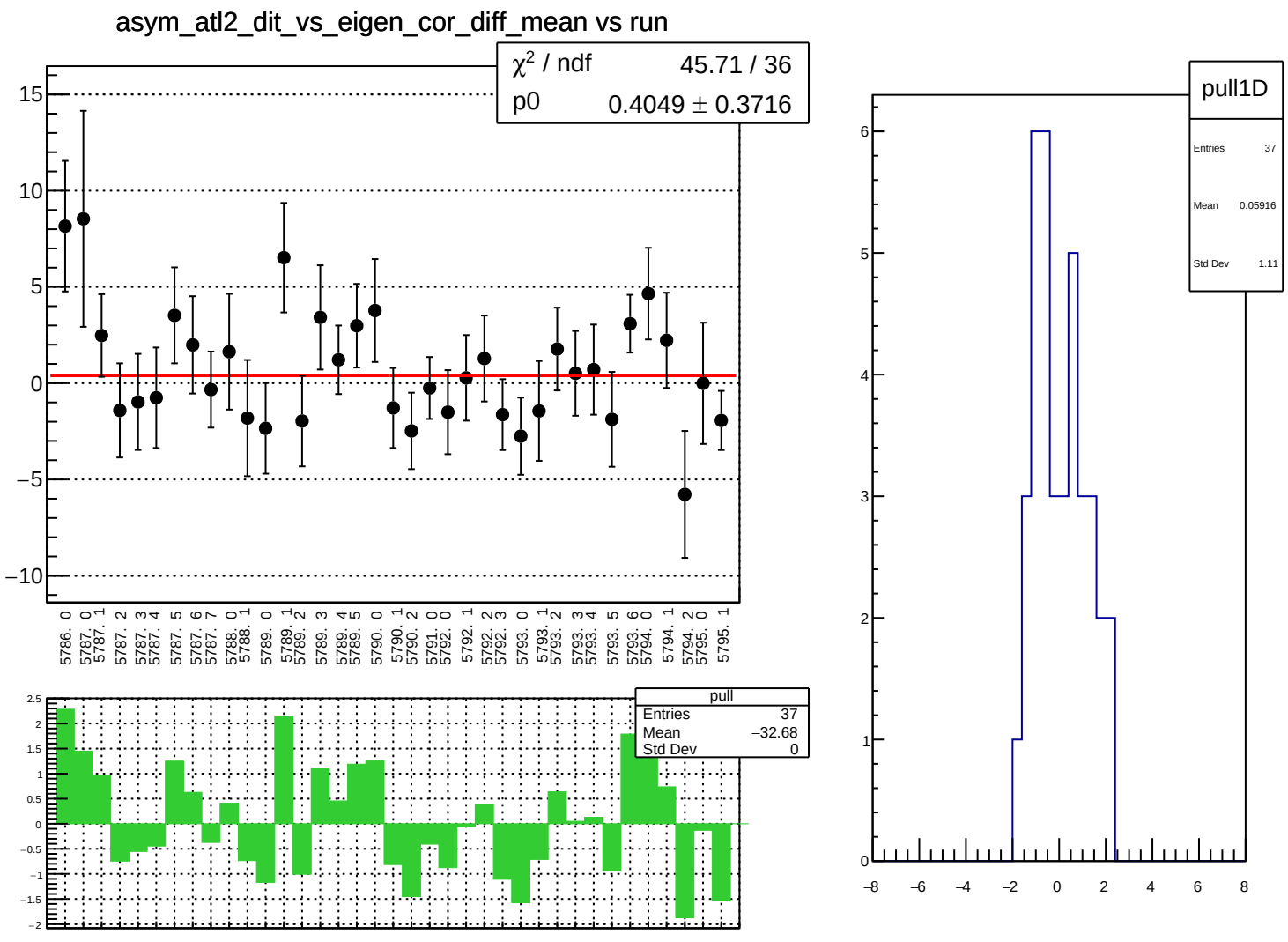

asym_atl2_rms vs run
χ² / ndf 751.8 / 36
p0 6663 ± 7.683
7000
6800
6600
6400
6200
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

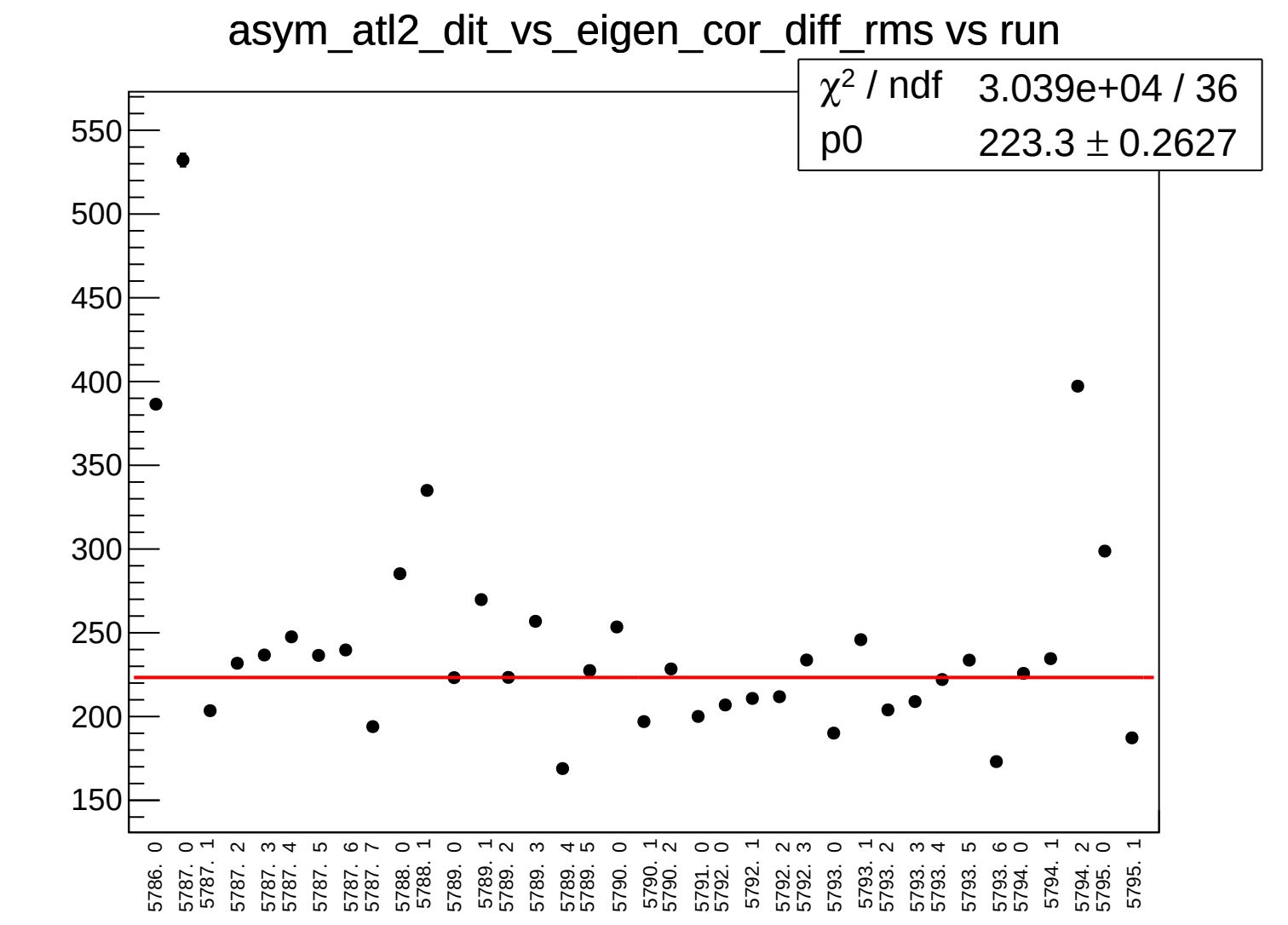

asym_atl2_reg_vs_cor_diff_mean vs run
χ² / ndf 40.98 / 36
p0 1.901e−13 ± 4.534e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.5834
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0935
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

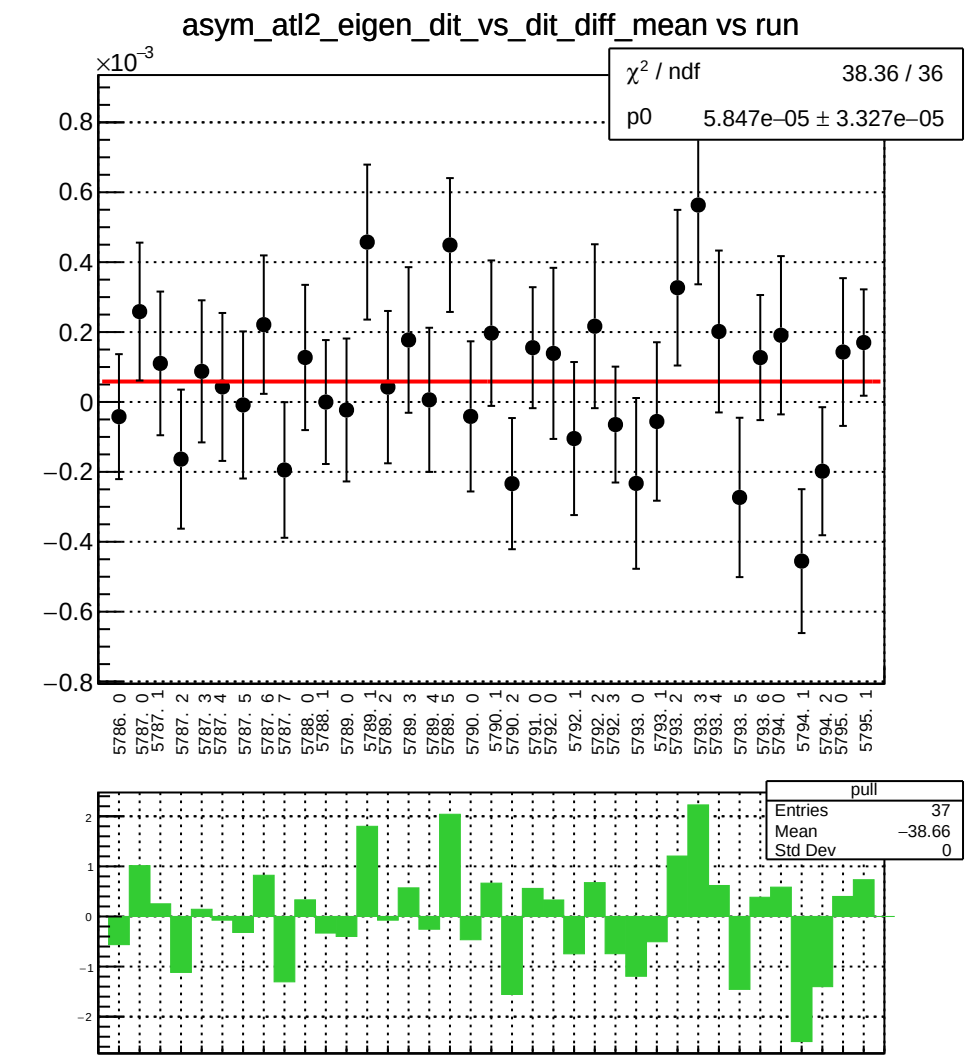

asym_atl2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.897e+05 / 36
p0 1.645e−10 ± 3.206e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

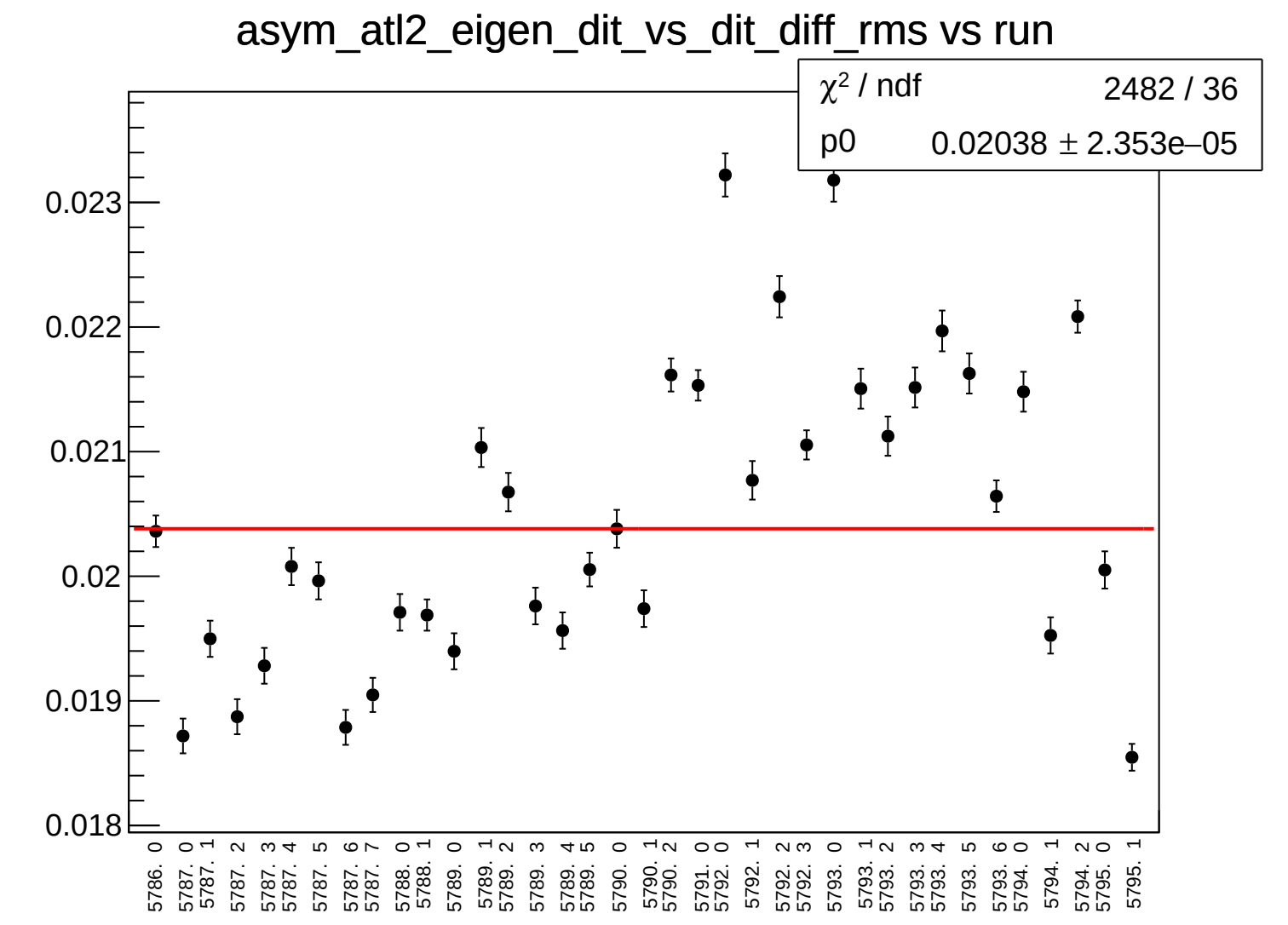

asym_atl2_dit_vs_cor_diff_mean vs run
χ² / ndf 45.71 / 36
p0 0.4049 ± 0.3716
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.05916
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

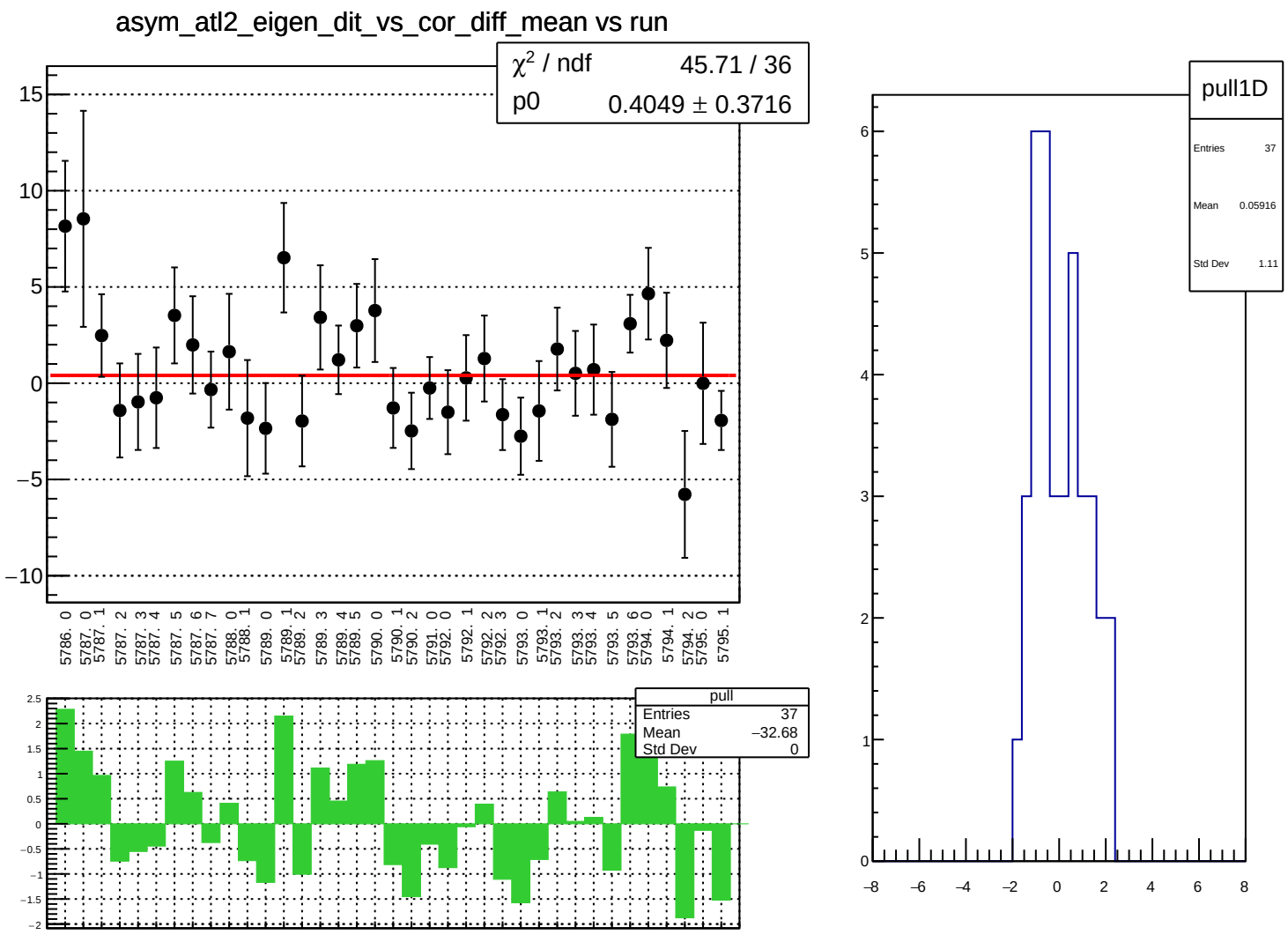

asym_atl2_dit_vs_cor_diff_rms vs run
χ² / ndf 3.039e+04 / 36
p0 223.3 ± 0.2627
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

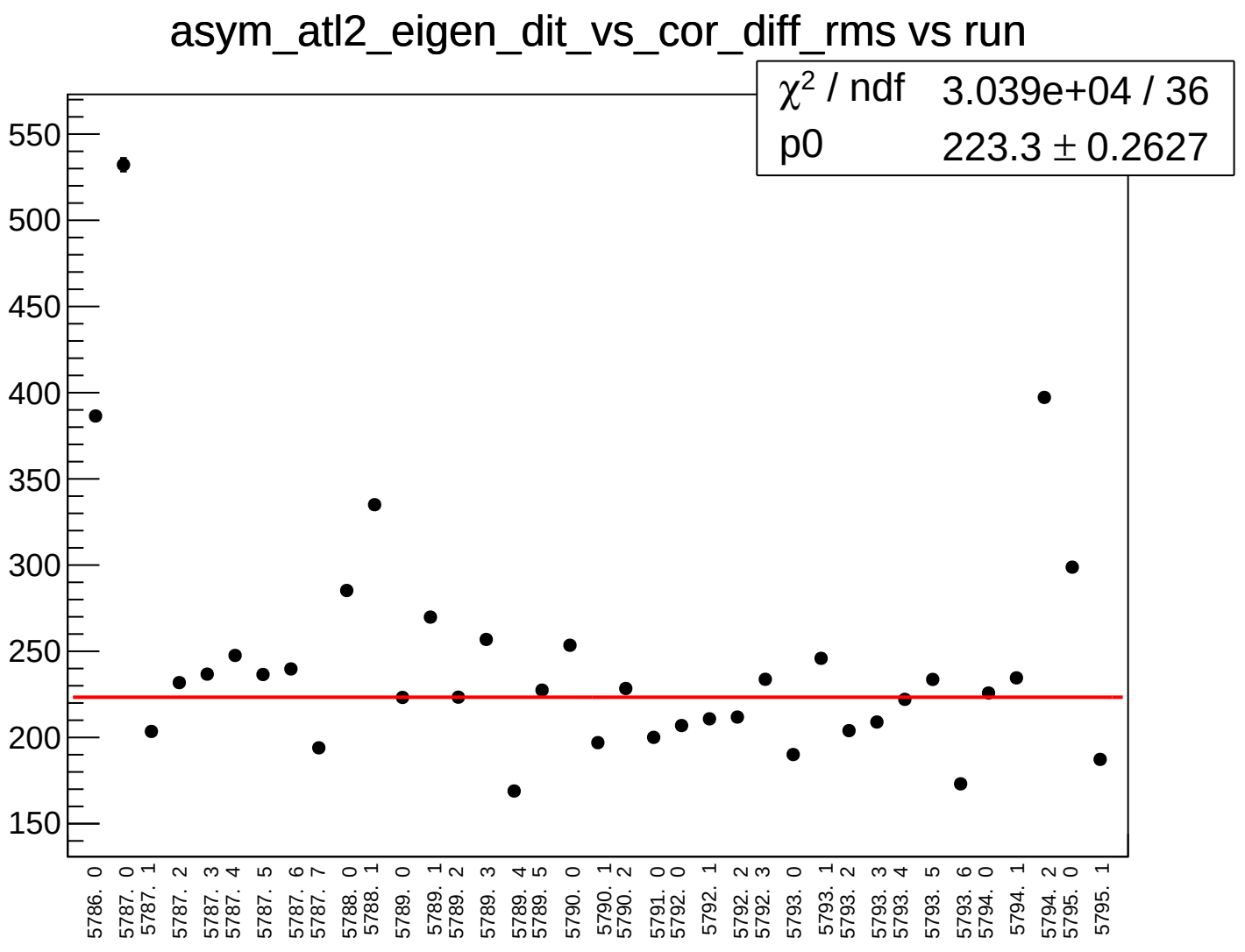

asym_atl2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.71 / 36
p0 0.4049 ± 0.3716
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.05916
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

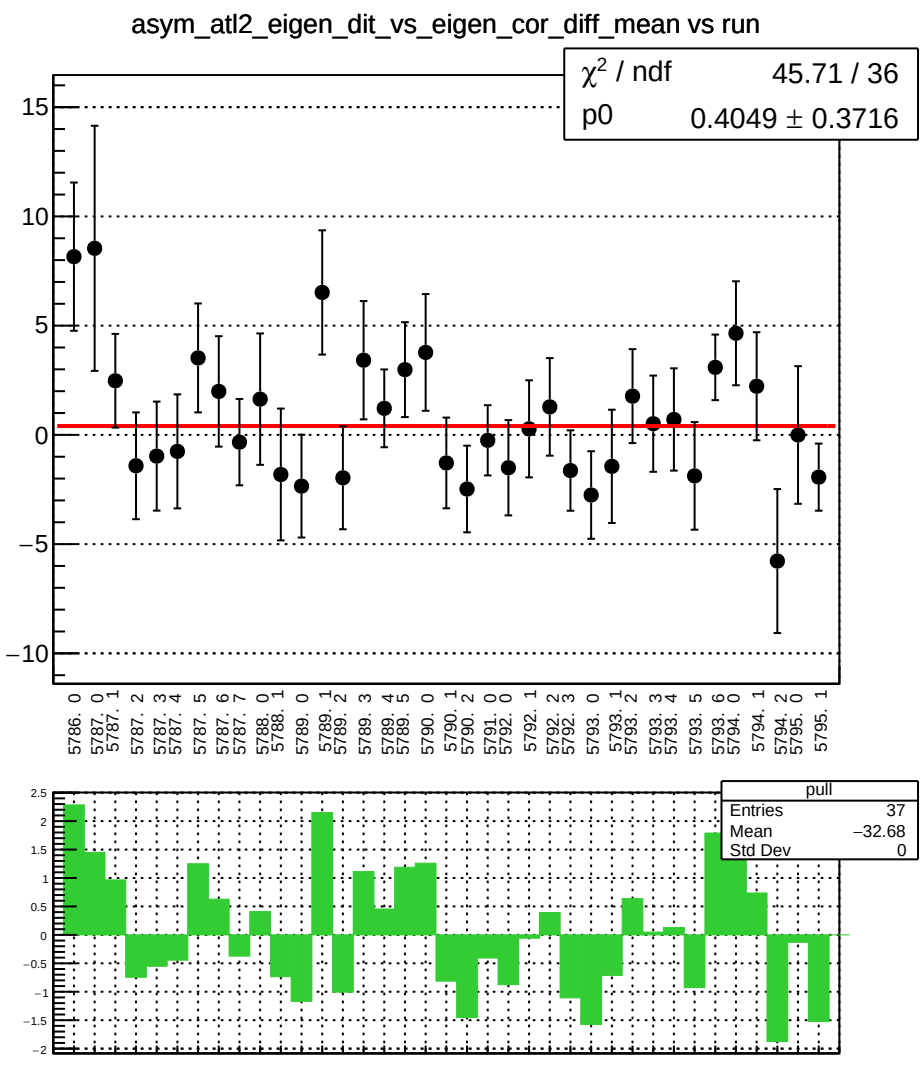

asym_atl2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.039e+04 / 36
p0 223.3 ± 0.2627
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

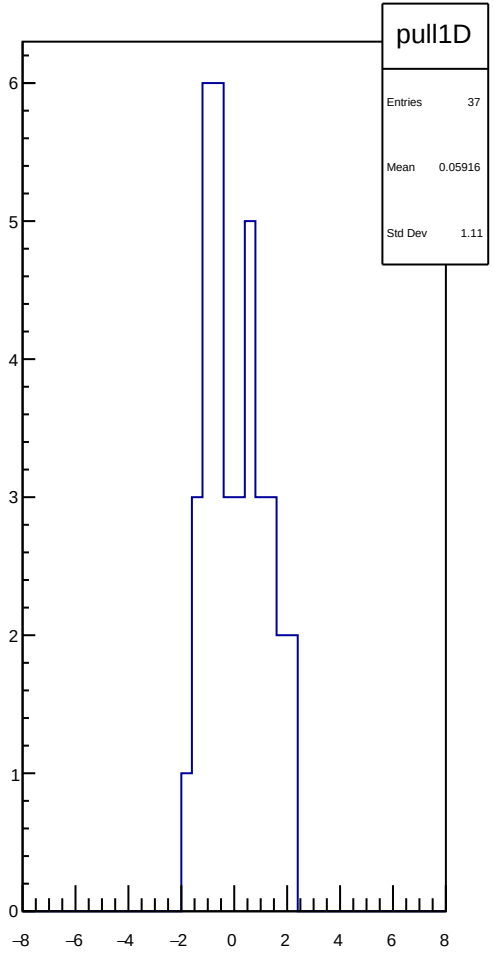

asym_atl2_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.36 / 36
p0 5.847e−05 ± 3.327e−05
pull
Entries 37
Mean −38.66
Std Dev 0
pull1D
Entries 37
Mean 0.009883
Std Dev 1.018

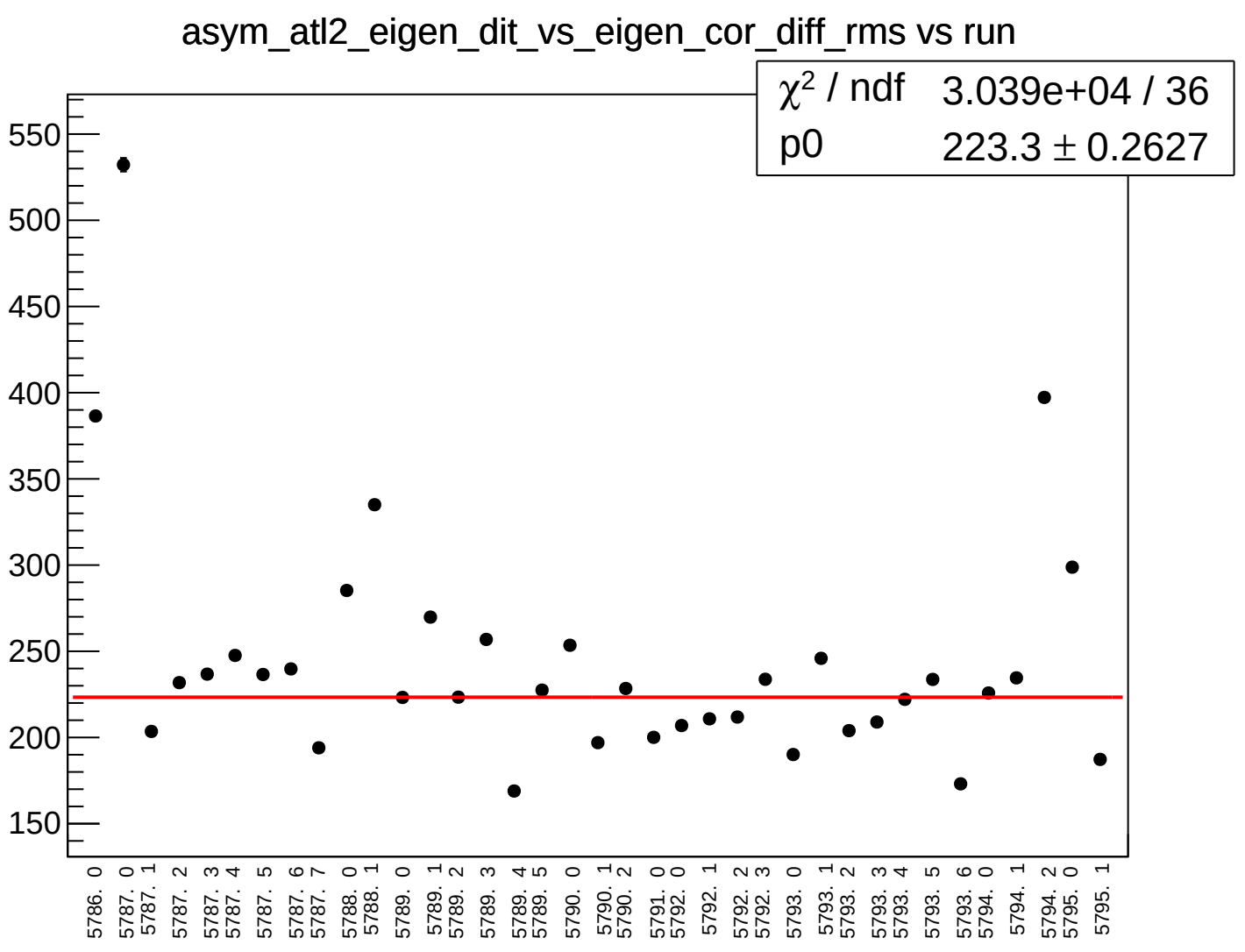

asym_atl2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2482 / 36
p0 0.02038 ± 2.353e–05
0.023
0.022
0.021
0.02
0.019
0.018
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

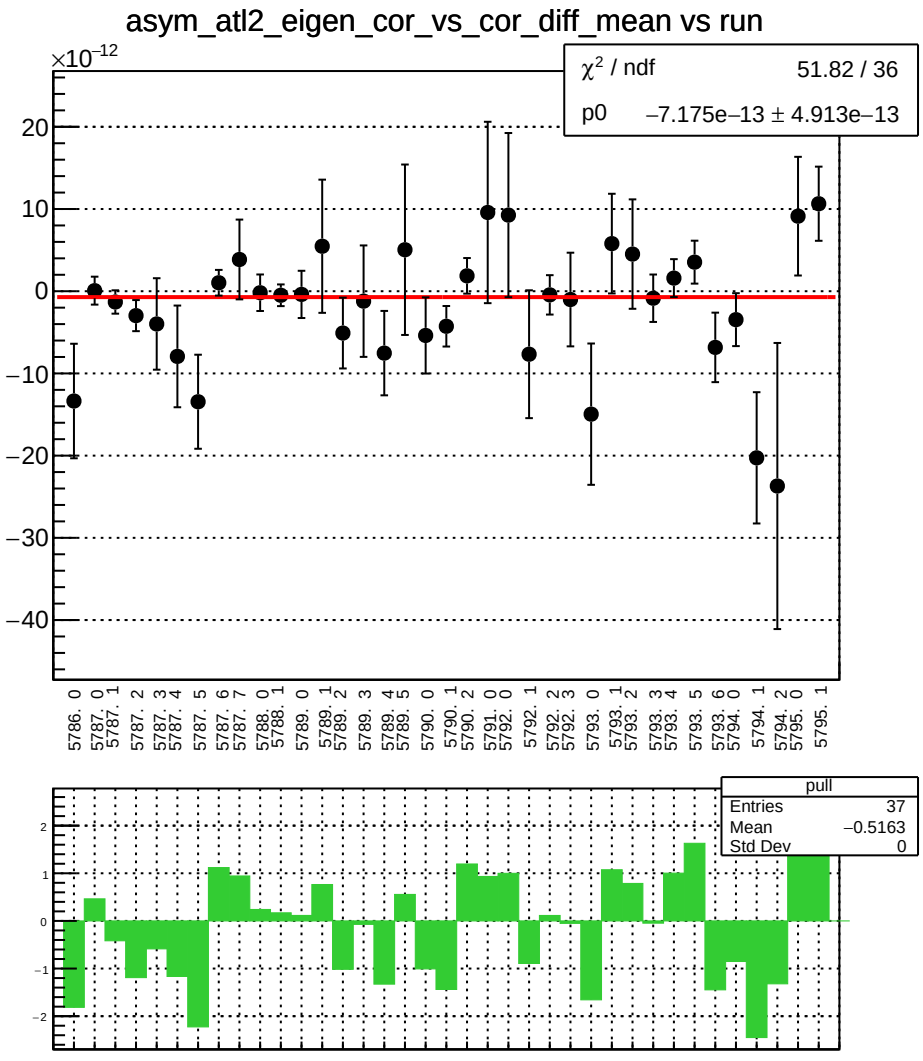

asym_atl2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.71 / 36
p0 0.4049 ± 0.3716
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.05916
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

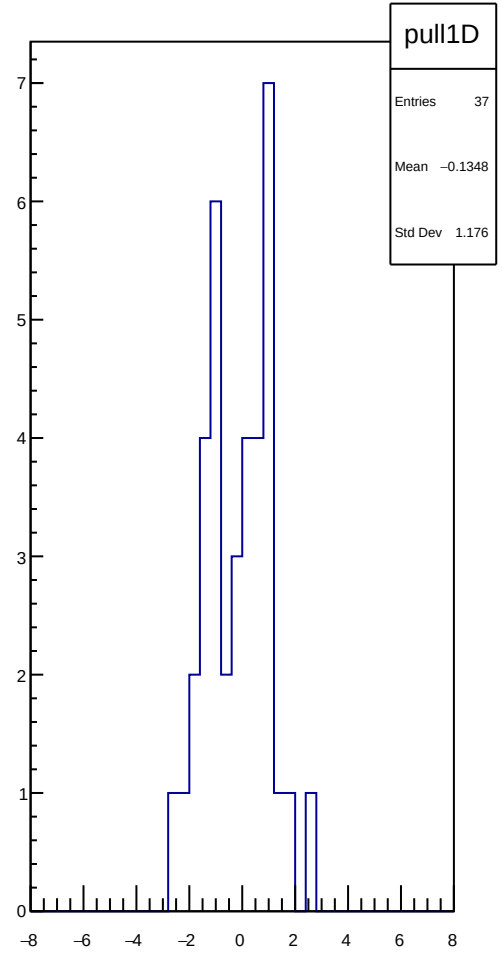

asym_atl2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.039e+04 / 36
p0 223.3 ± 0.2627
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

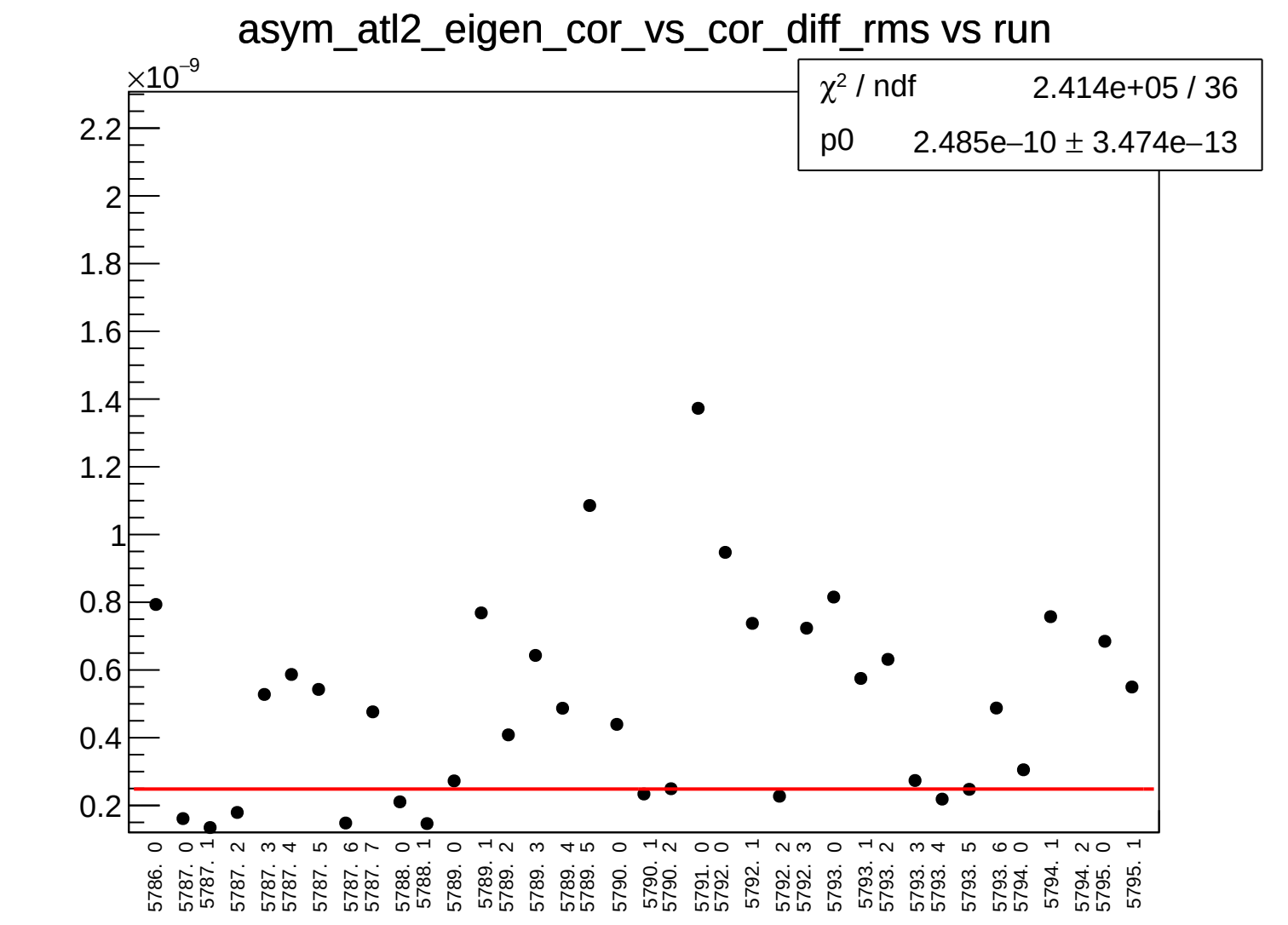

asym_atl2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.71 / 36
p0 0.4049 ± 0.3716
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.68
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

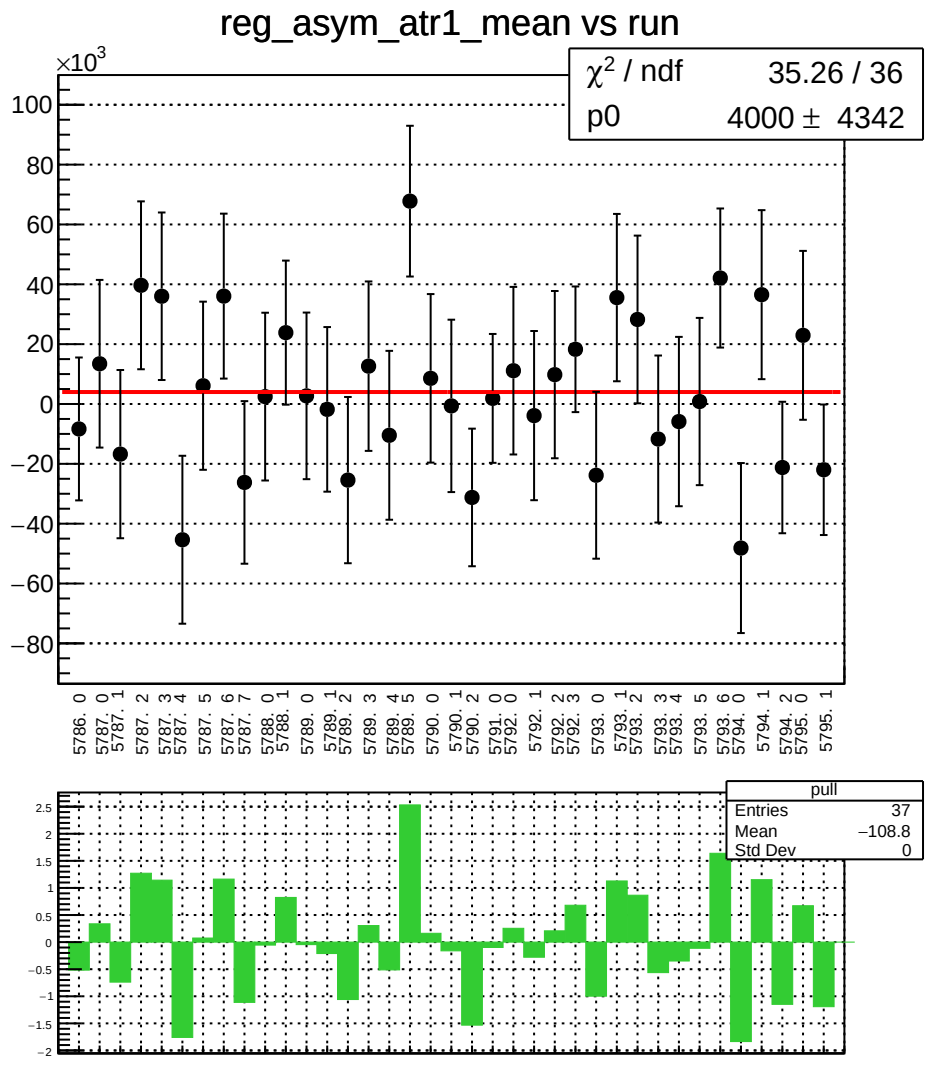

pull1D
Entries 37
Mean 0.05916
Std Dev 1.11
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

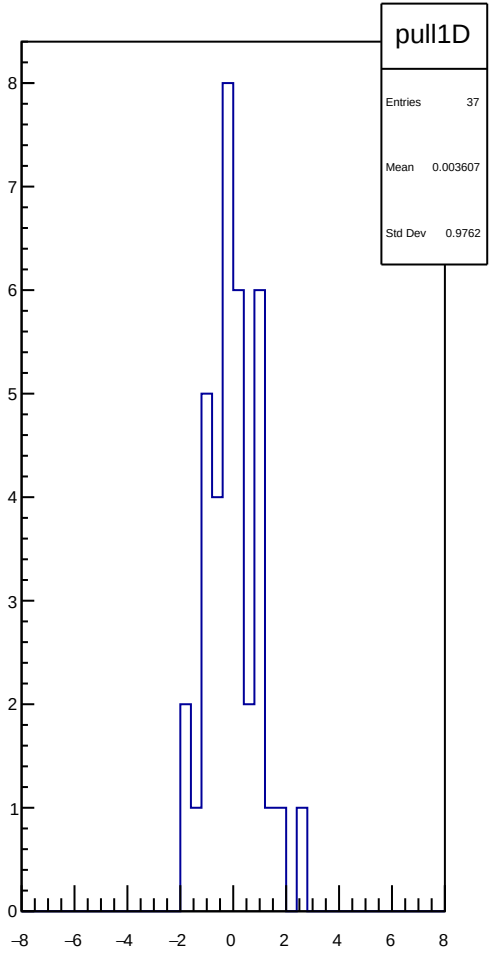

asym_atl2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.039e+04 / 36
p0 223.3 ± 0.2627
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

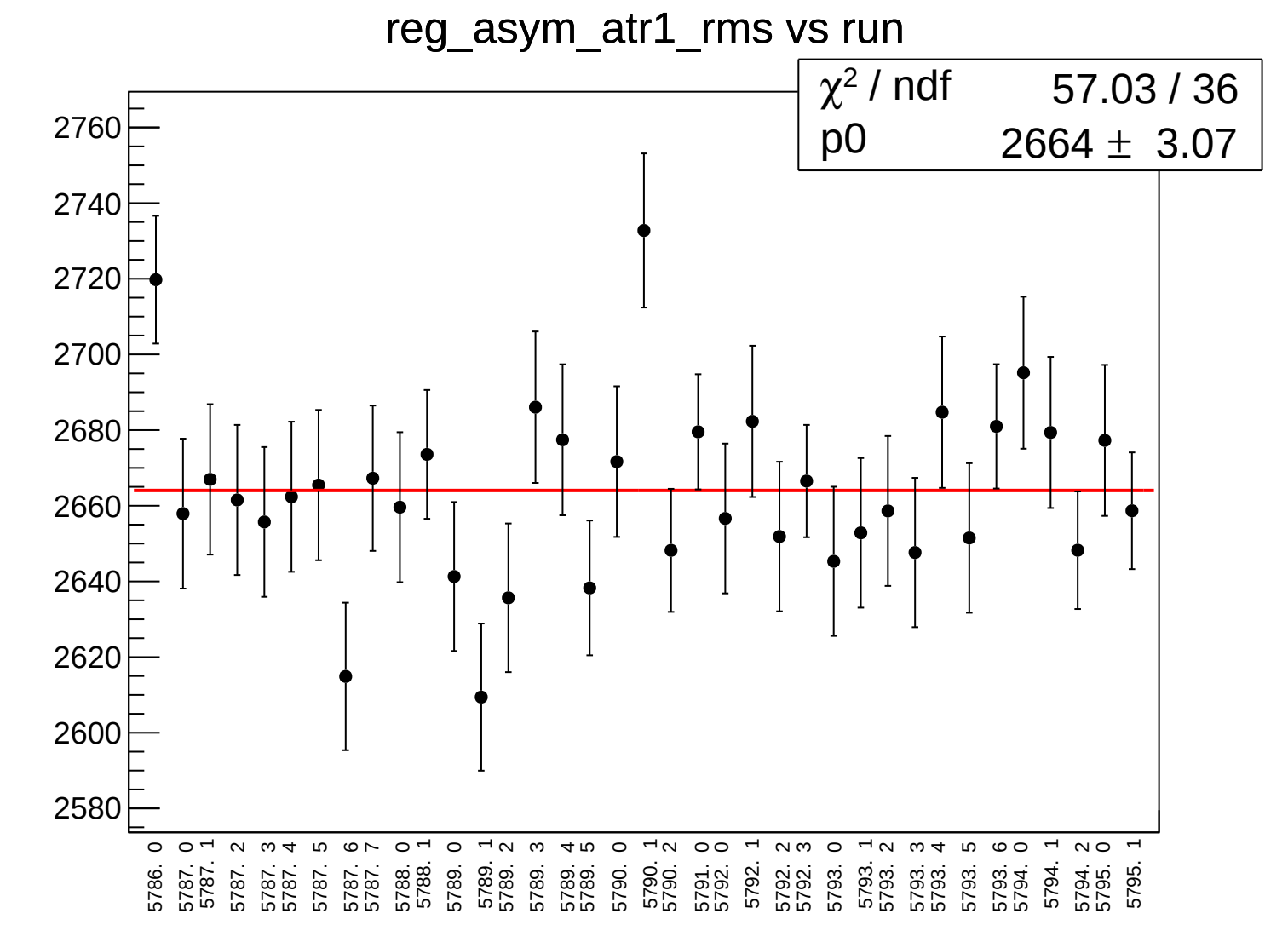

asym_atl2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.82 / 36
p0 −7.175e−13 ± 4.913e−13
20
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.5163
Std Dev 0
2
1
0
−1
−2

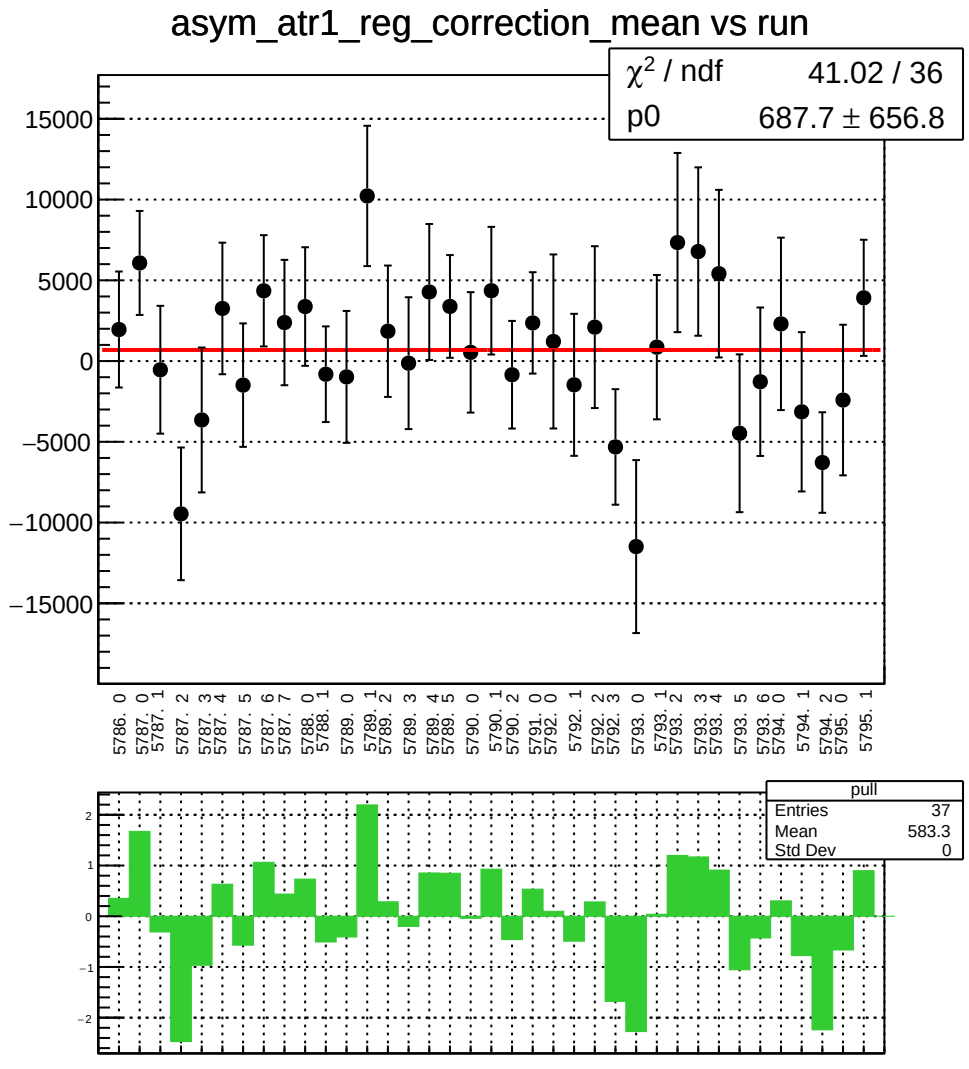

pull1D
Entries 37
Mean −0.1348
Std Dev 1.176
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

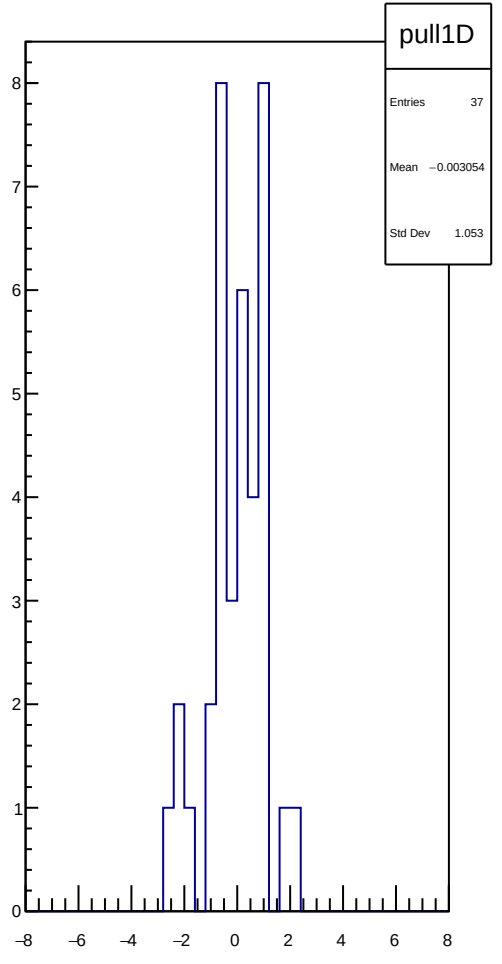

asym_atl2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.414e+05 / 36
p0 2.485e−10 ± 3.474e−13
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

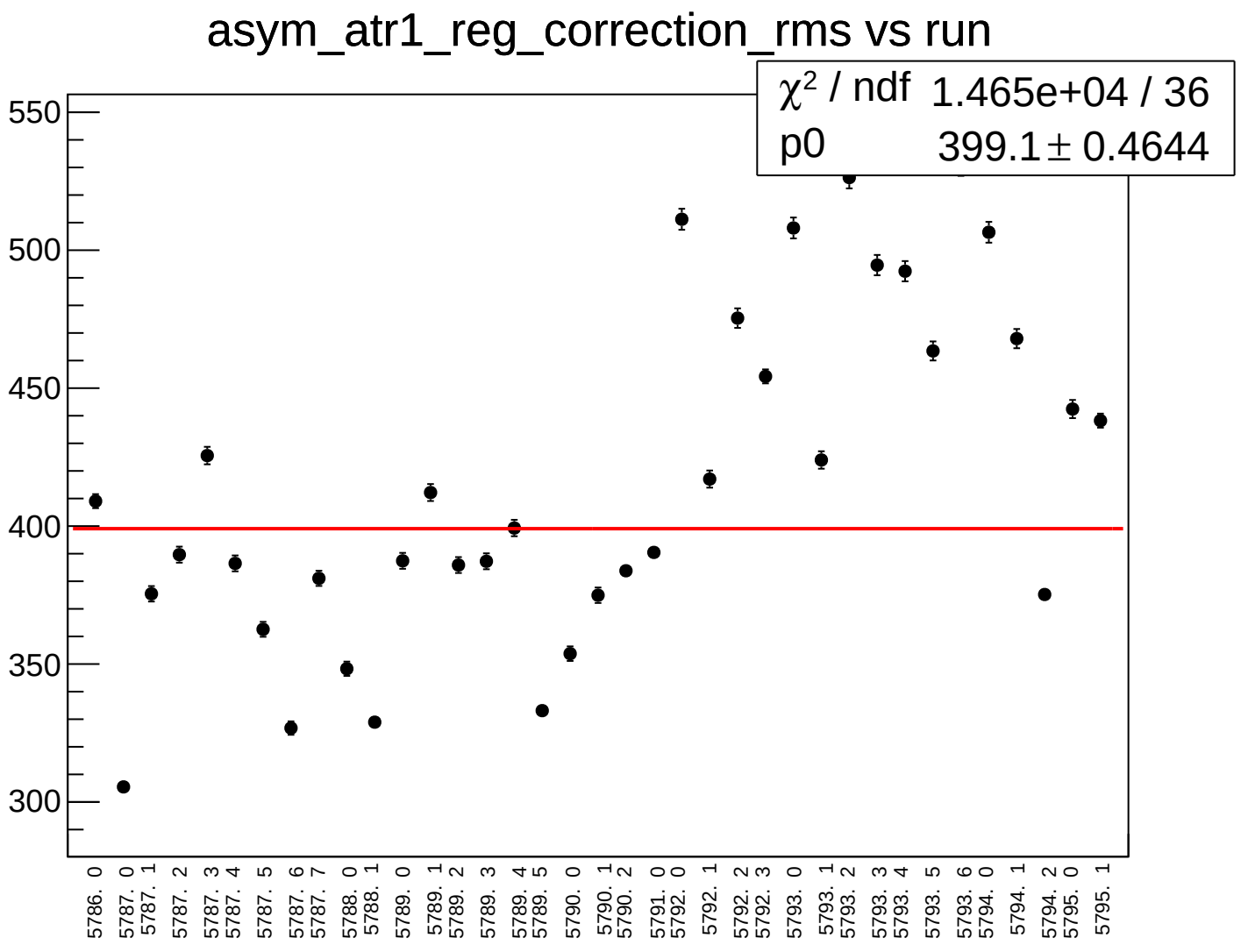

reg_asym_atr1_mean vs run
×10^3
χ^2 / ndf 35.26 / 36
p0 4000 ± 4342
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −108.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

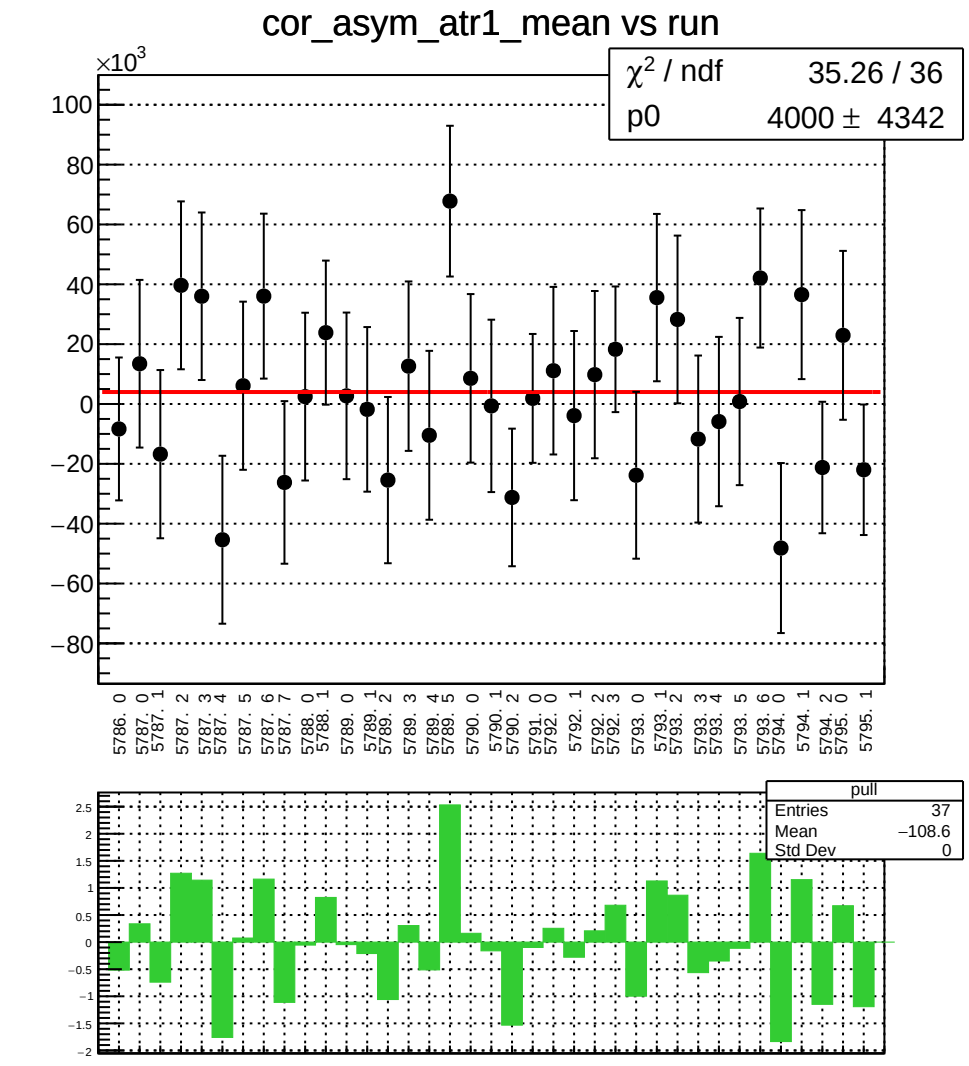

pull1D
Entries 37
Mean 0.003607
Std Dev 0.9762
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

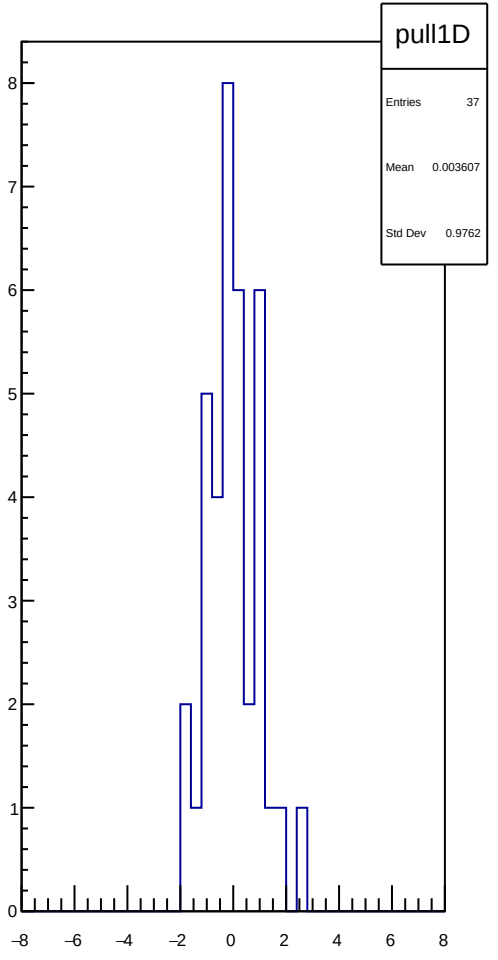

reg_asym_atr1_rms vs run
χ² / ndf 57.03 / 36
p0 2664 ± 3.07
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

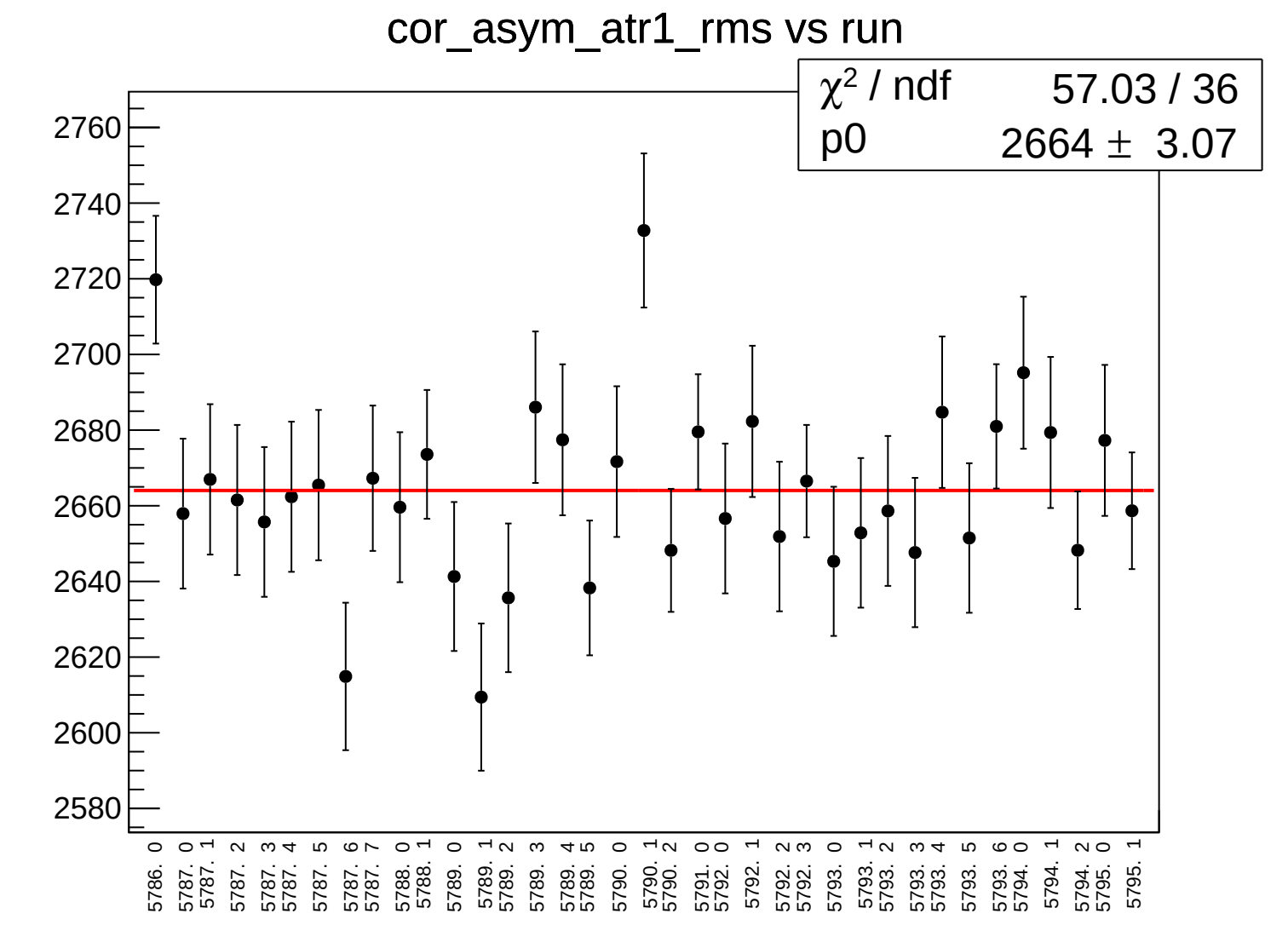

asym_atr1_reg_correction_mean vs run
χ² / ndf 41.02 / 36
p0 687.7 ± 656.8
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 583.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.003054
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_reg_correction_rms vs run
χ² / ndf 1.465e+04 / 36
p0 399.1 ± 0.4644
550
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 35.26 / 36
p0 4000 ± 4342
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −108.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.003607
Std Dev 0.9762
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr1_rms vs run
χ² / ndf 57.03 / 36
p0 2664 ± 3.07
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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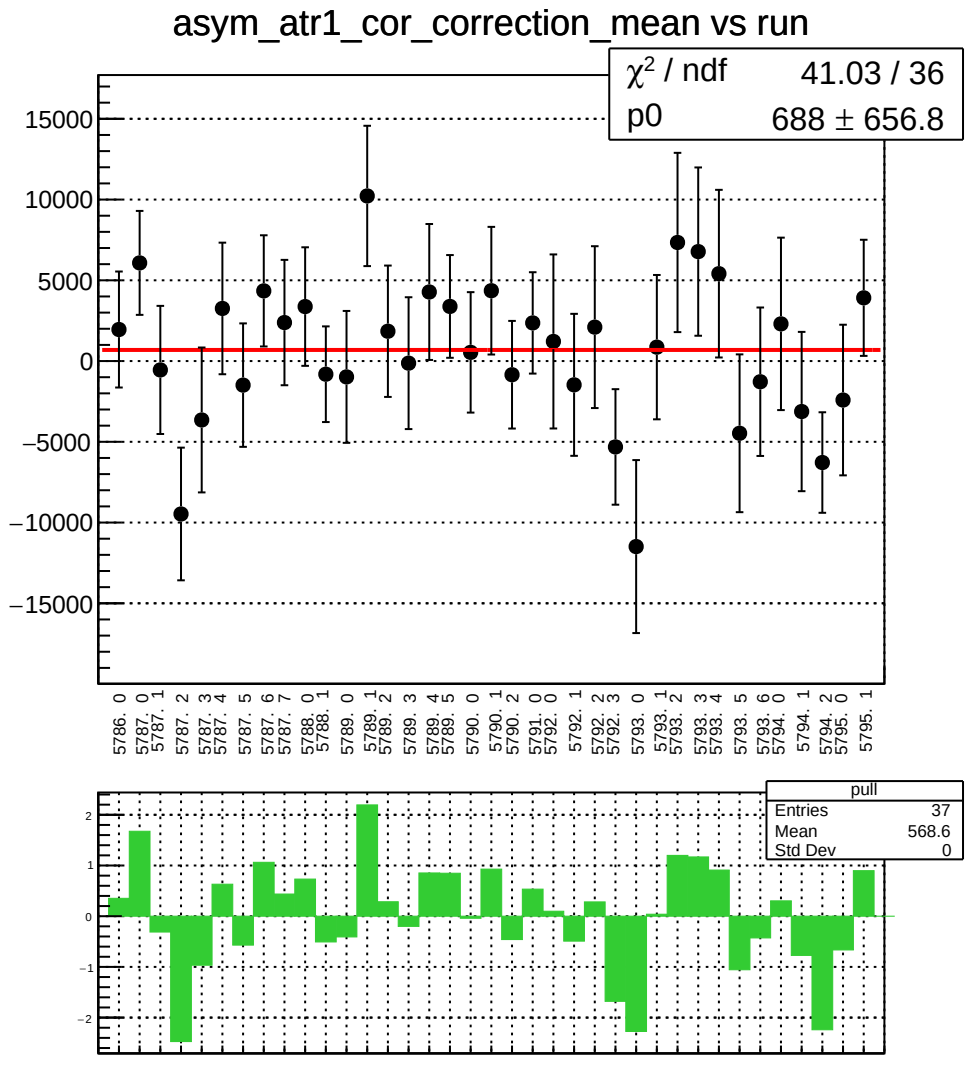
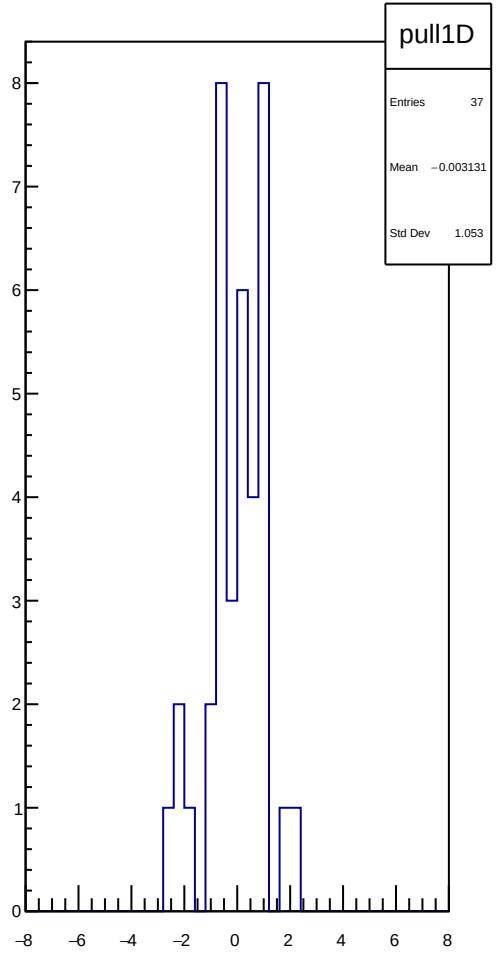
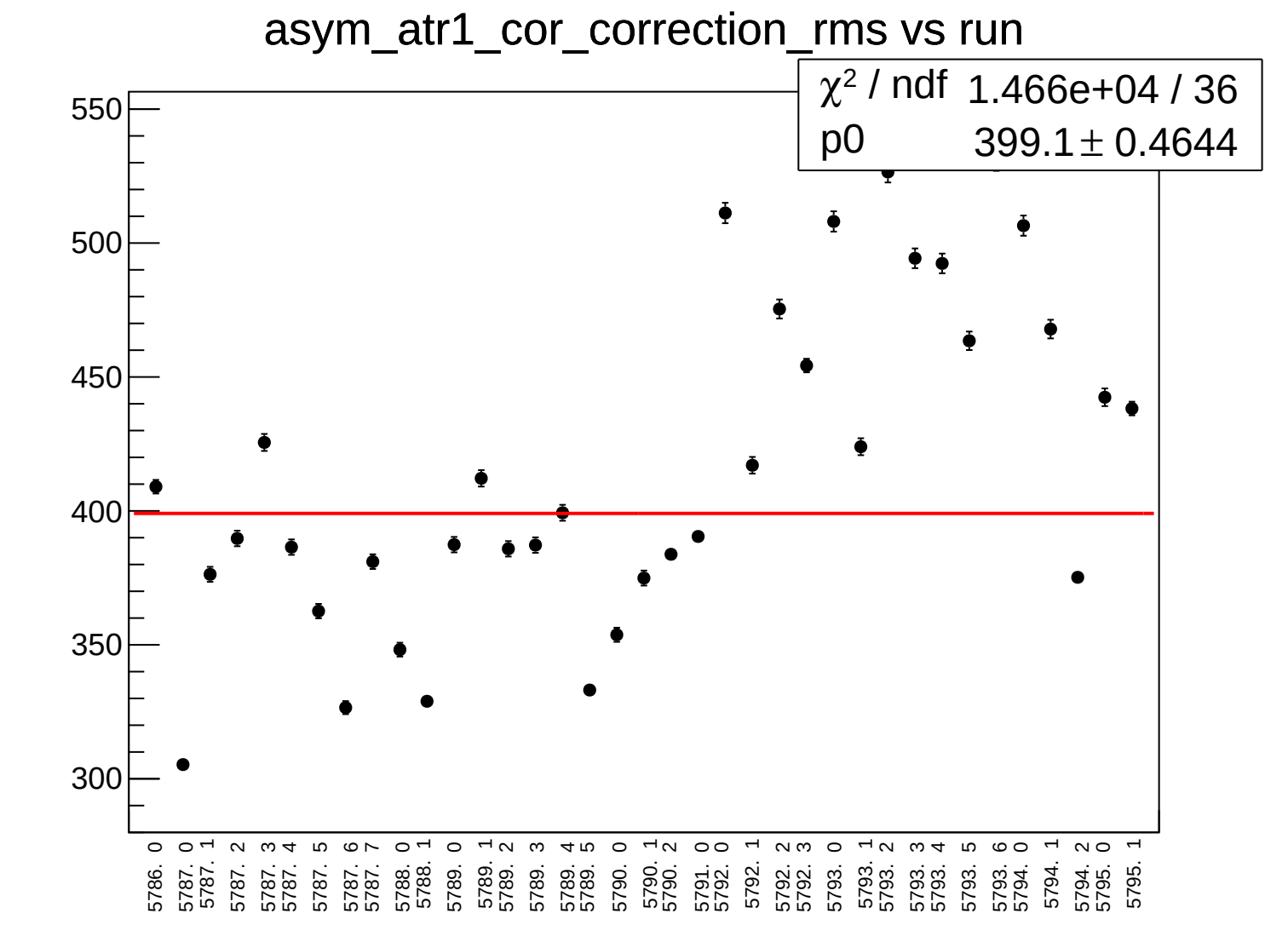
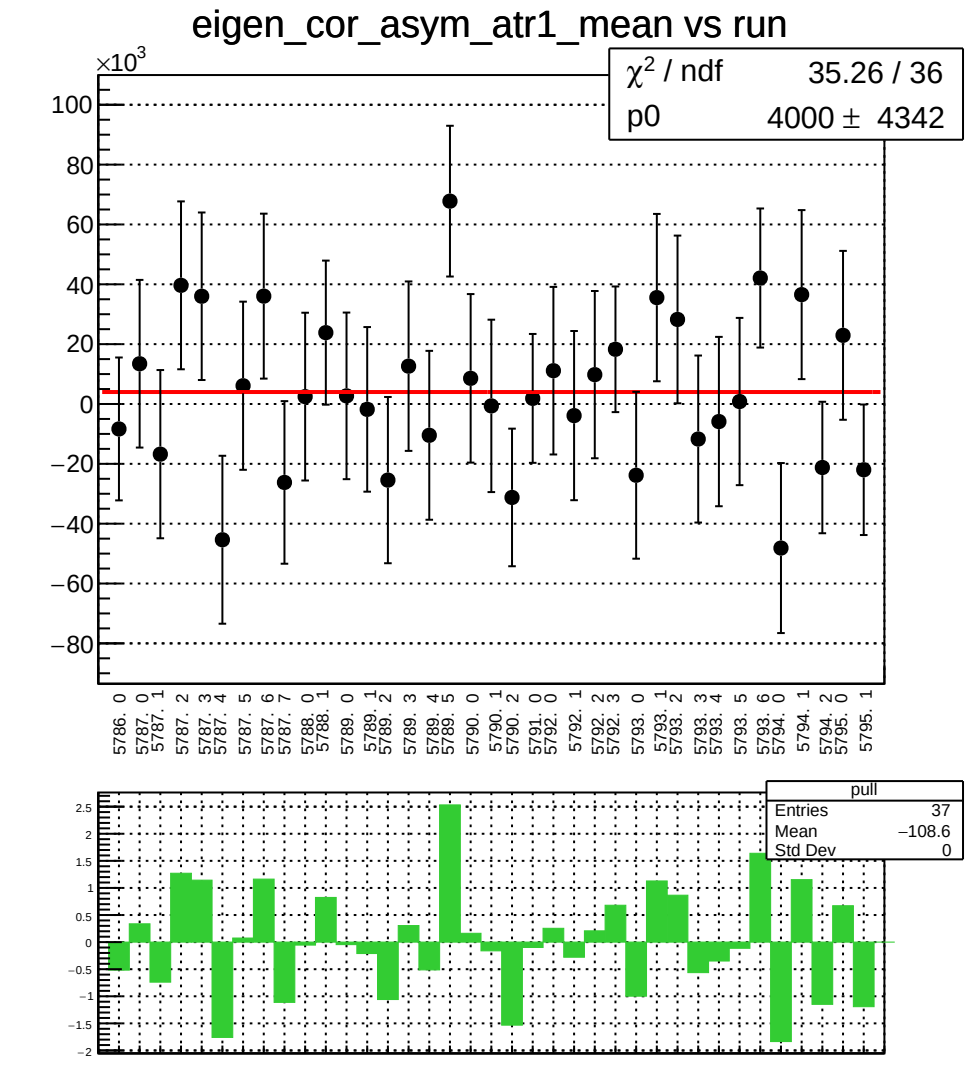
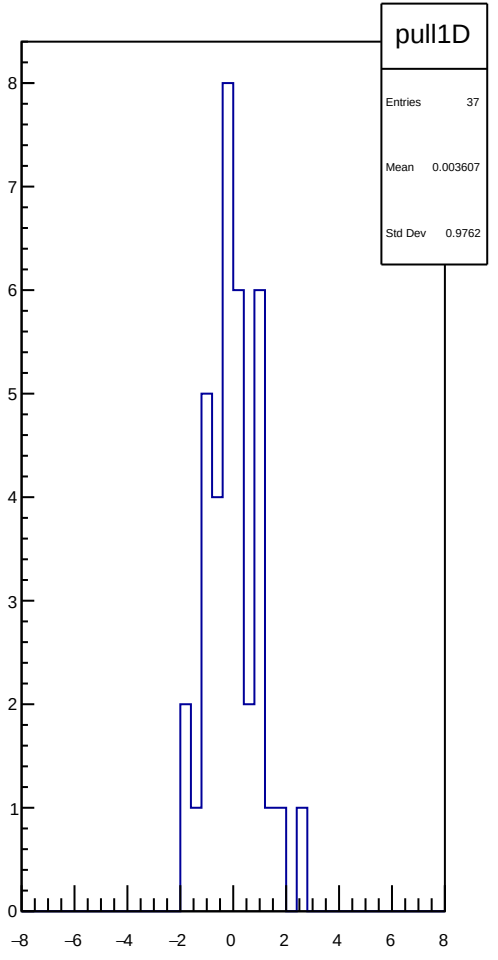
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

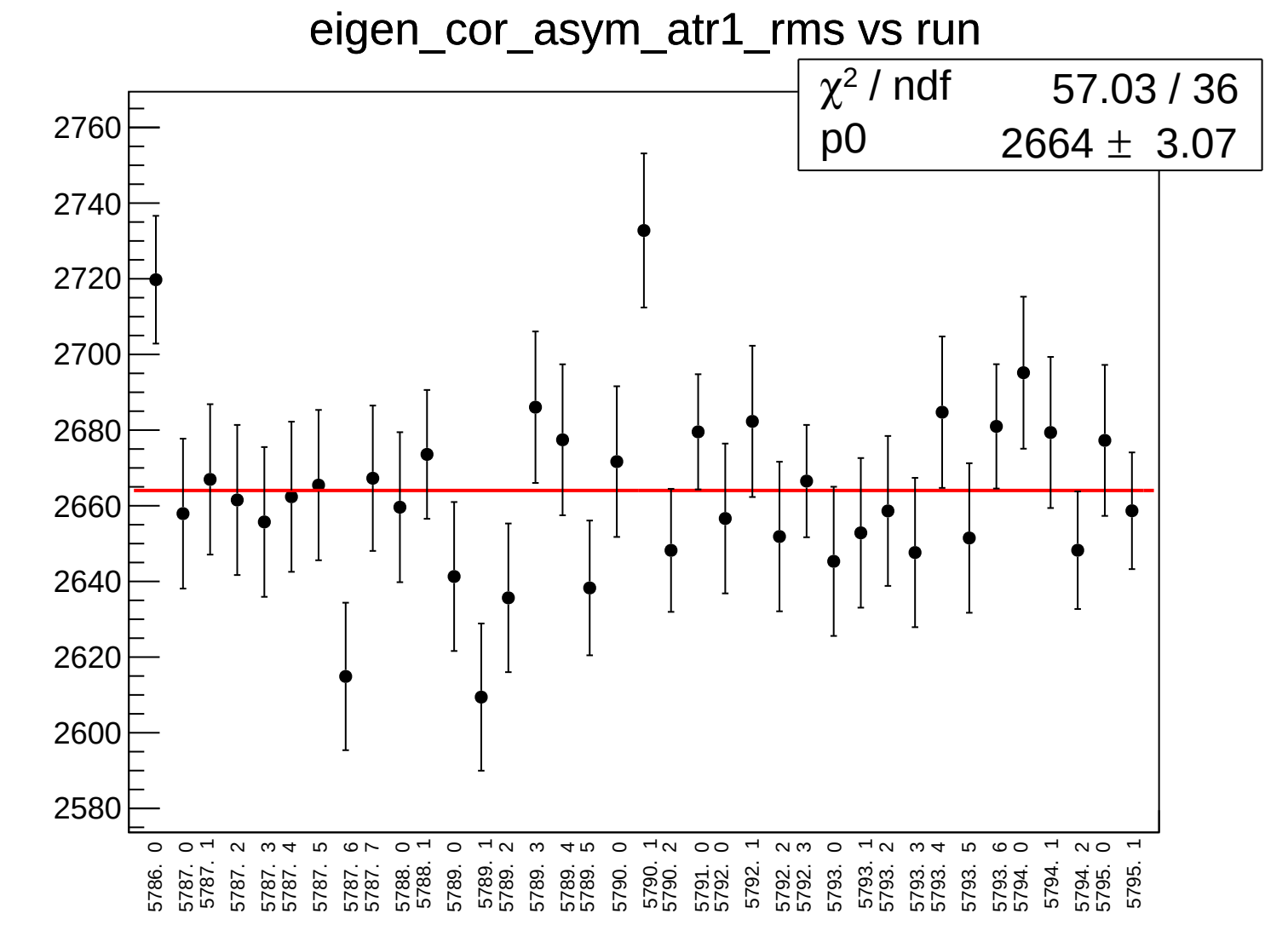

asym_atr1_cor_correction_mean vs run
χ² / ndf 41.03 / 36
p0 688 ± 656.8
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 568.6
Std Dev 0
2
1
0
−1
−2

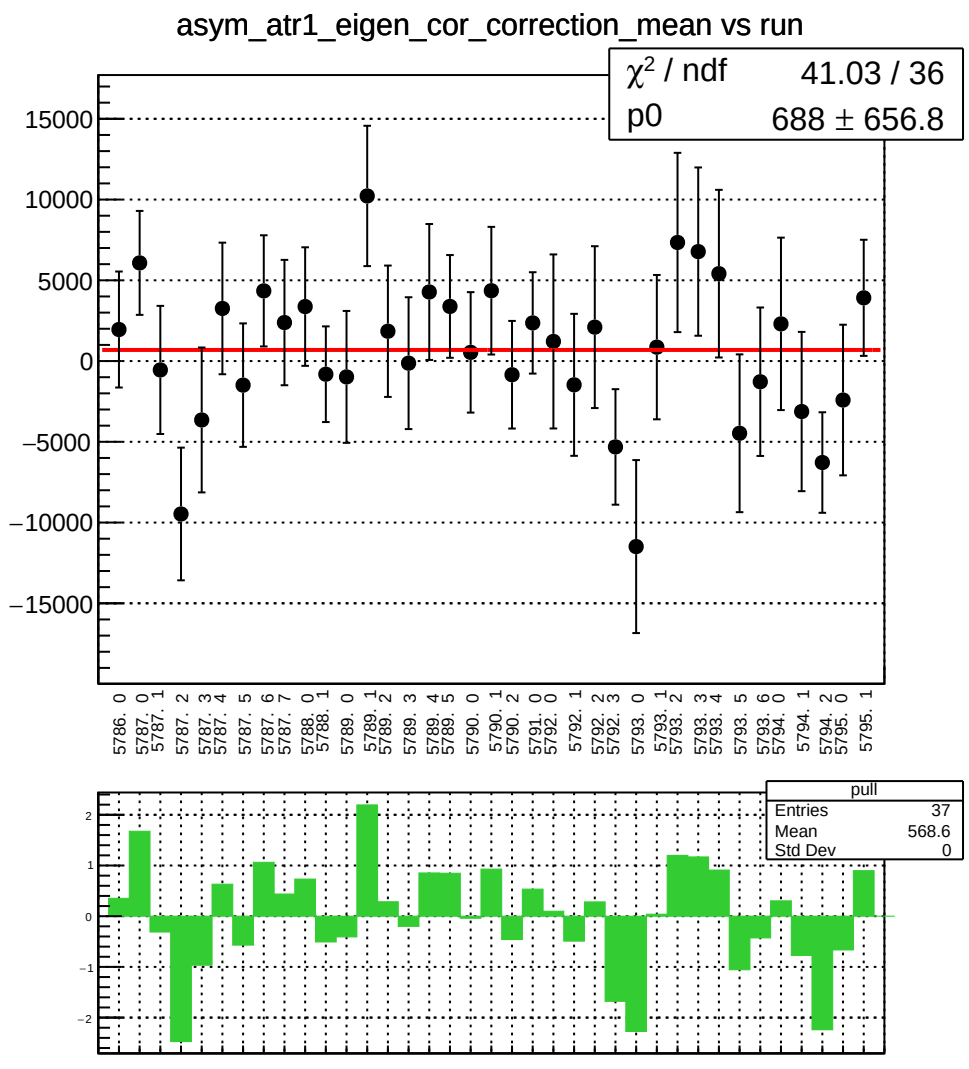

pull1D
Entries 37
Mean −0.003131
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

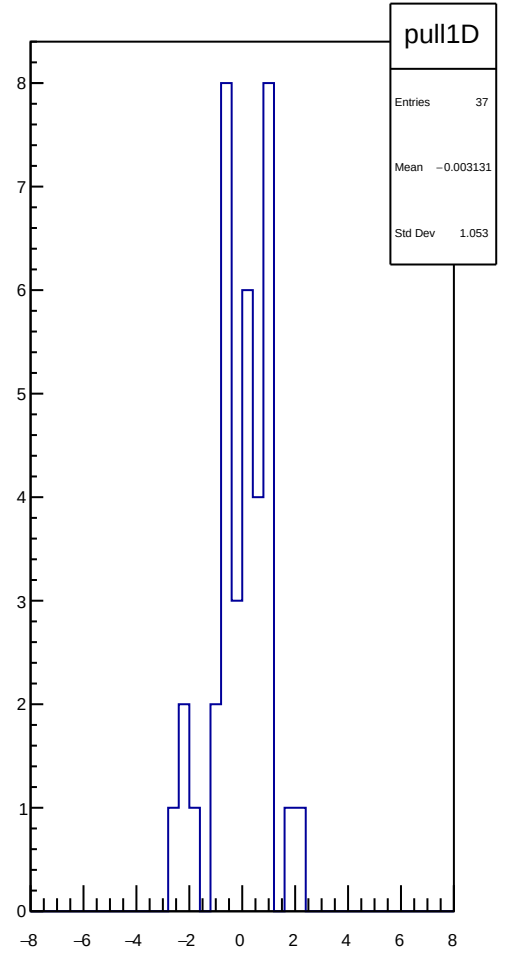

asym_atr1_cor_correction_rms vs run
χ² / ndf 1.466e+04 / 36
p0 399.1 ± 0.4644
550
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

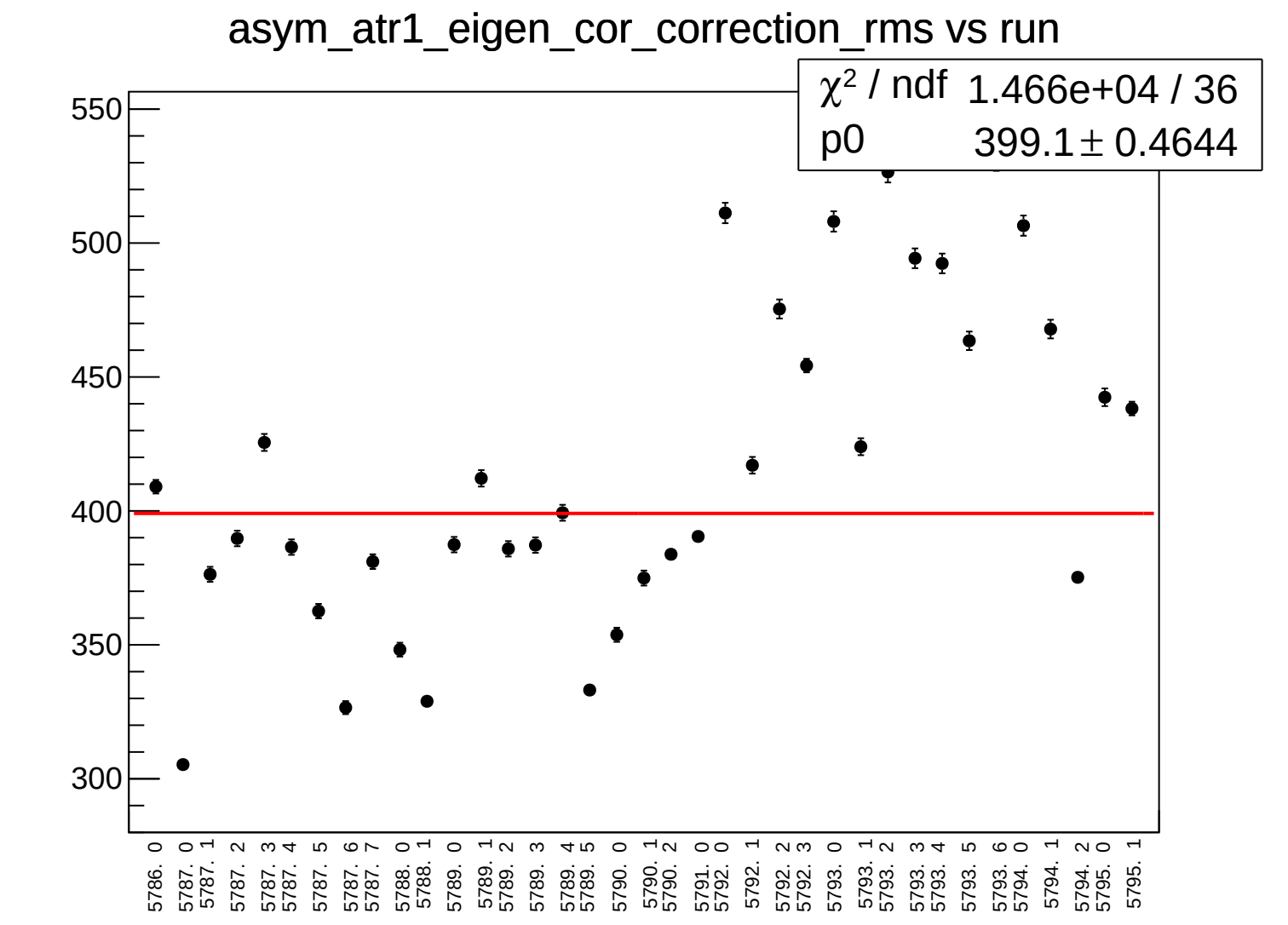

eigen_cor_asym_atr1_mean vs run
×10^3
χ^2 / ndf 35.26 / 36
p0 4000 ± 4342
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −108.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

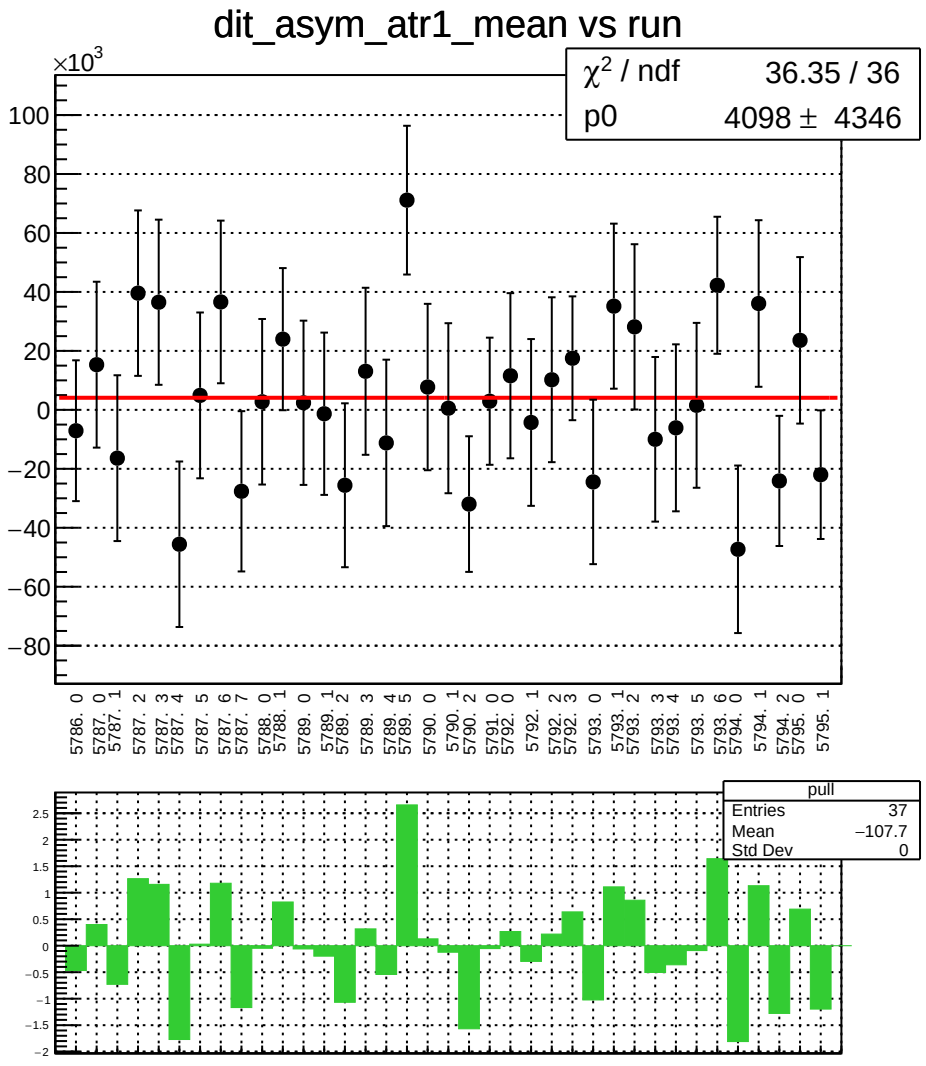

pull1D
Entries 37
Mean 0.003607
Std Dev 0.9762
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

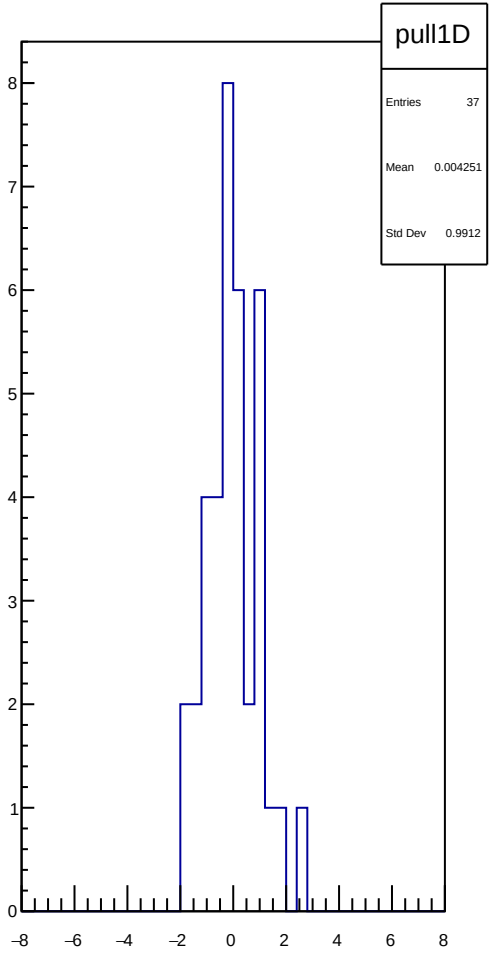

eigen_cor_asym_atr1_rms vs run
χ² / ndf 57.03 / 36
p0 2664 ± 3.07
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

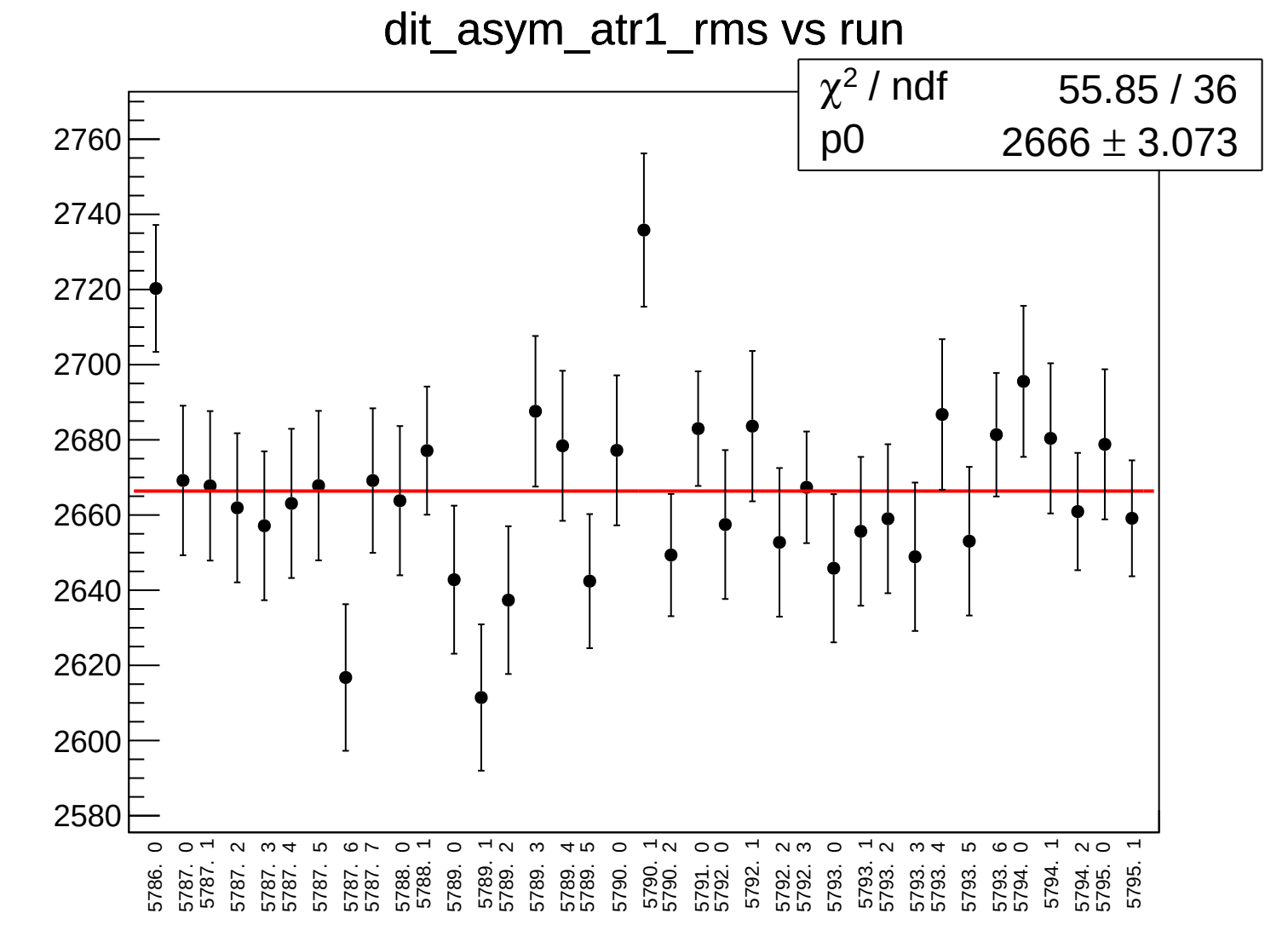

asym_atr1_eigen_cor_correction_mean vs run
χ² / ndf 41.03 / 36
p0 688 ± 656.8
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 568.6
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.003131
Std Dev 1.053
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_cor_correction_rms vs run
χ² / ndf 1.466e+04 / 36
p0 399.1 ± 0.4644
550
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 36.35 / 36
p0 4098 ± 4346
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −107.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.004251
Std Dev 0.9912
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr1_rms vs run
χ² / ndf 55.85 / 36
p0 2666 ± 3.073
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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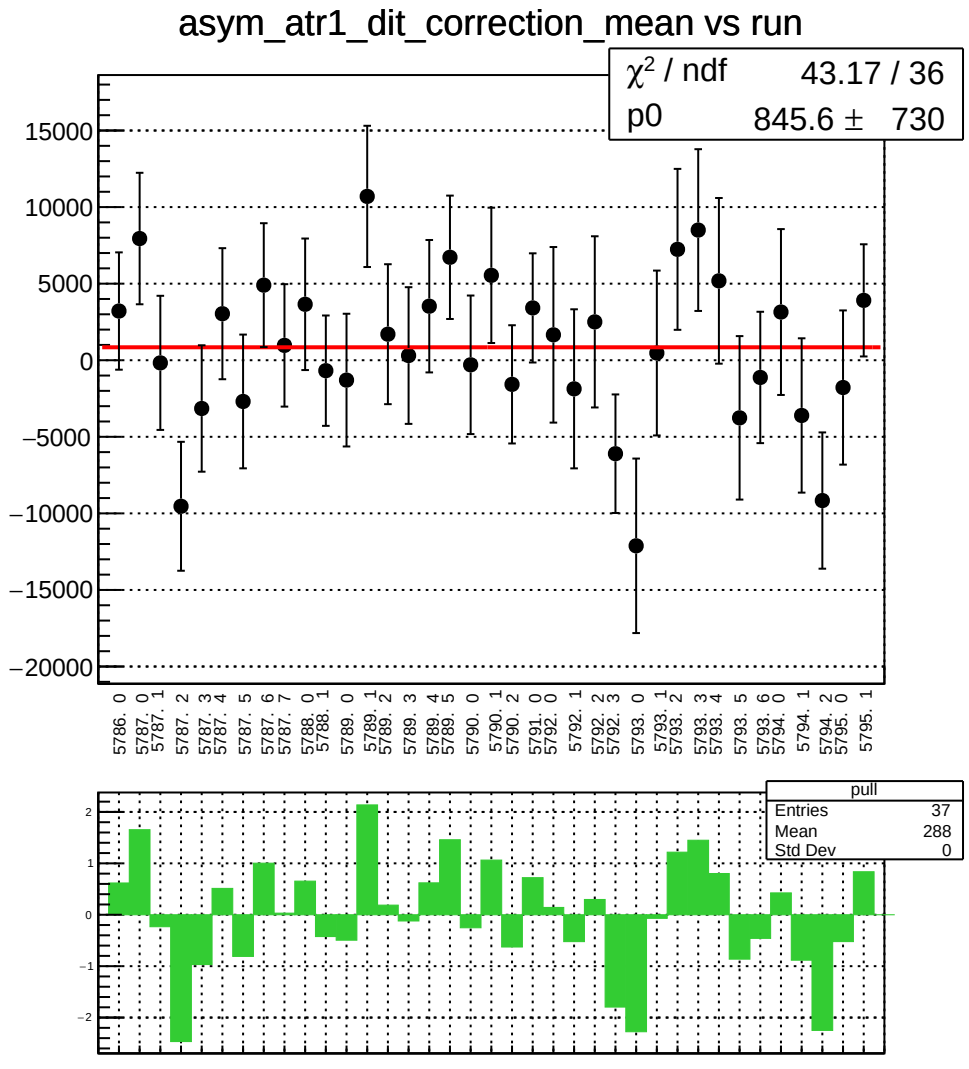
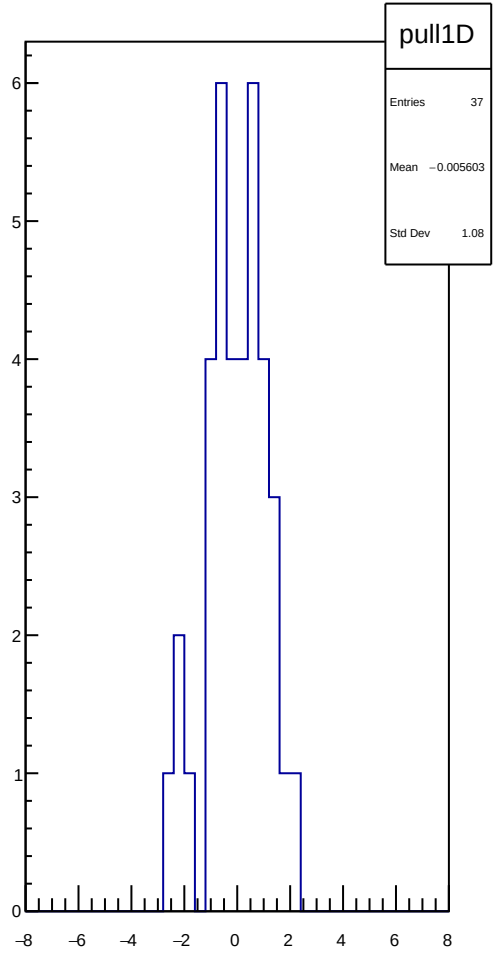
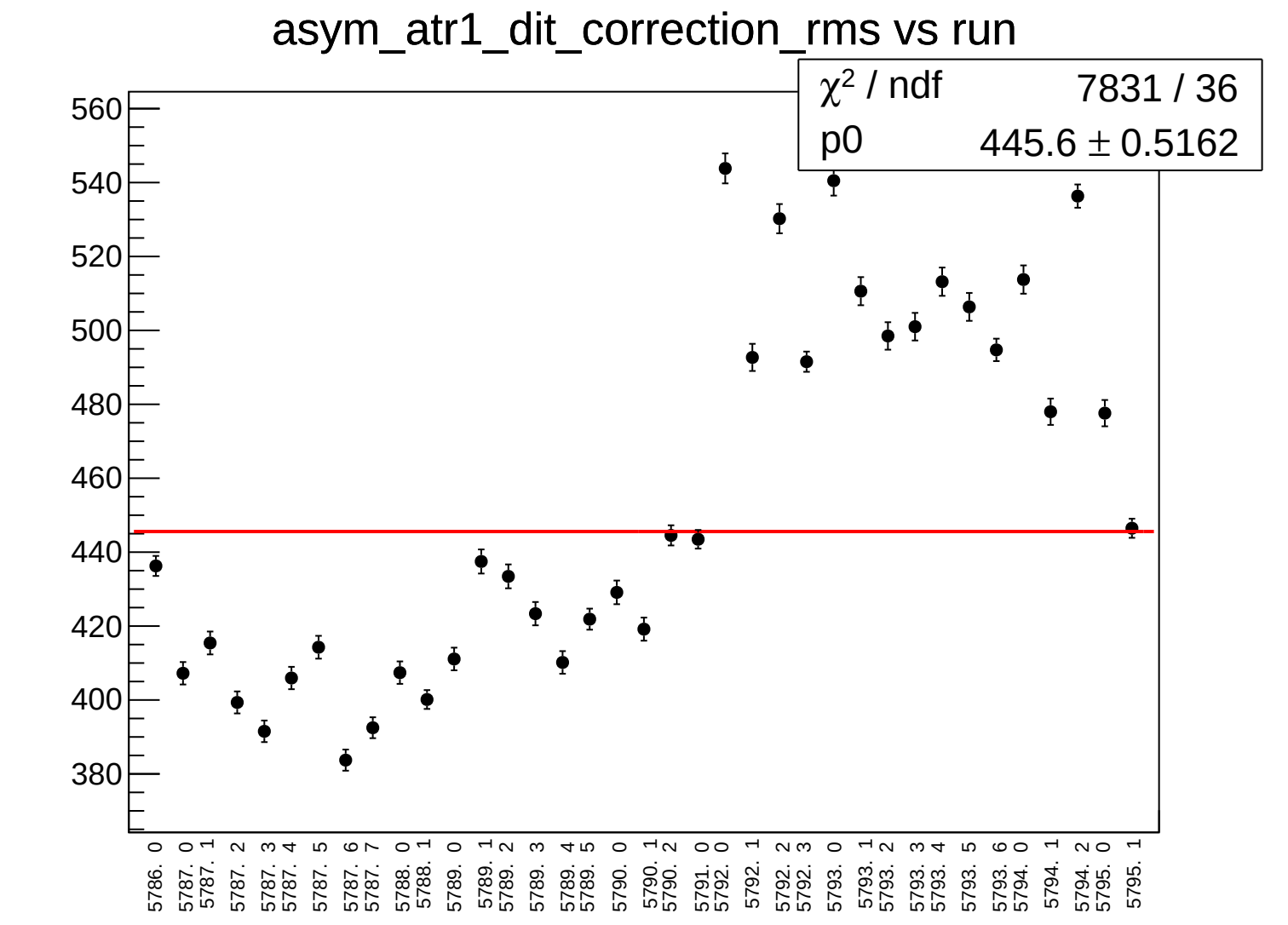
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr1_dit_correction_mean vs run
χ² / ndf 43.17 / 36
p0 845.6 ± 730
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 288
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.005603
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_dit_correction_rms vs run
χ² / ndf 7831 / 36
p0 445.6 ± 0.5162
560
540
520
500
480
460
440
420
400
380
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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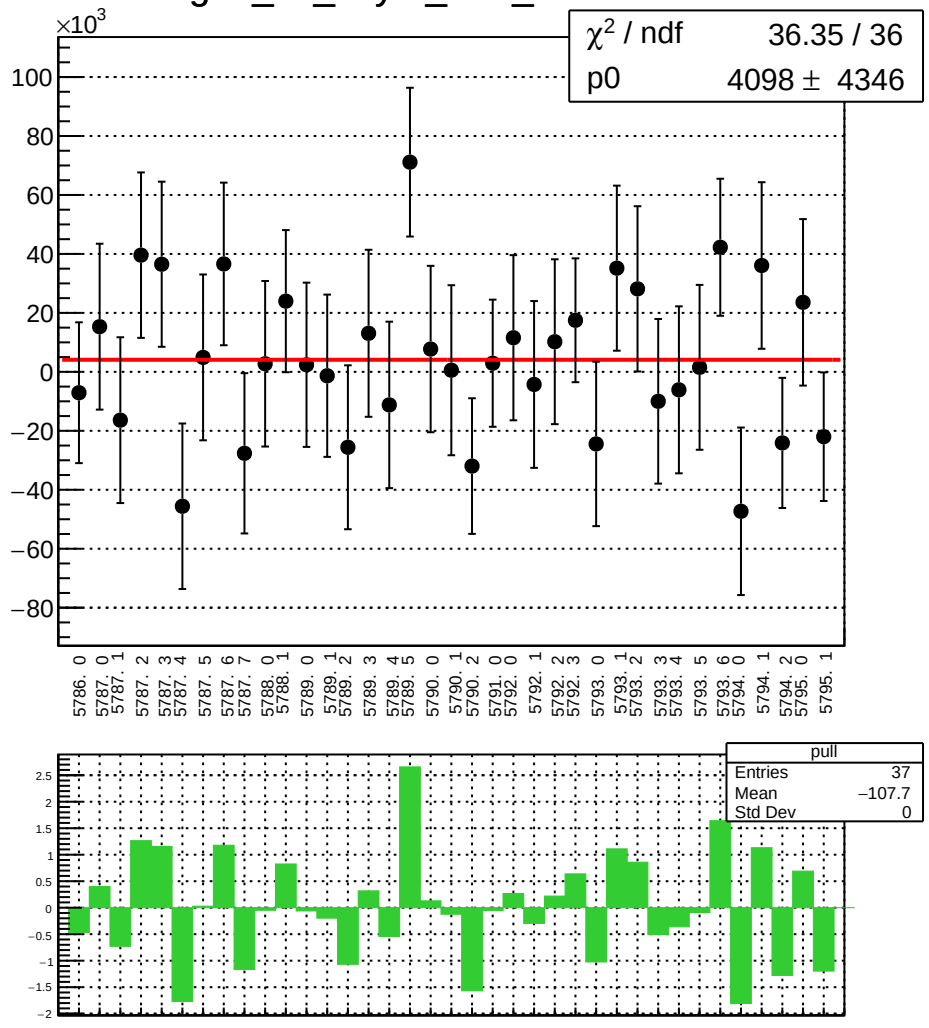
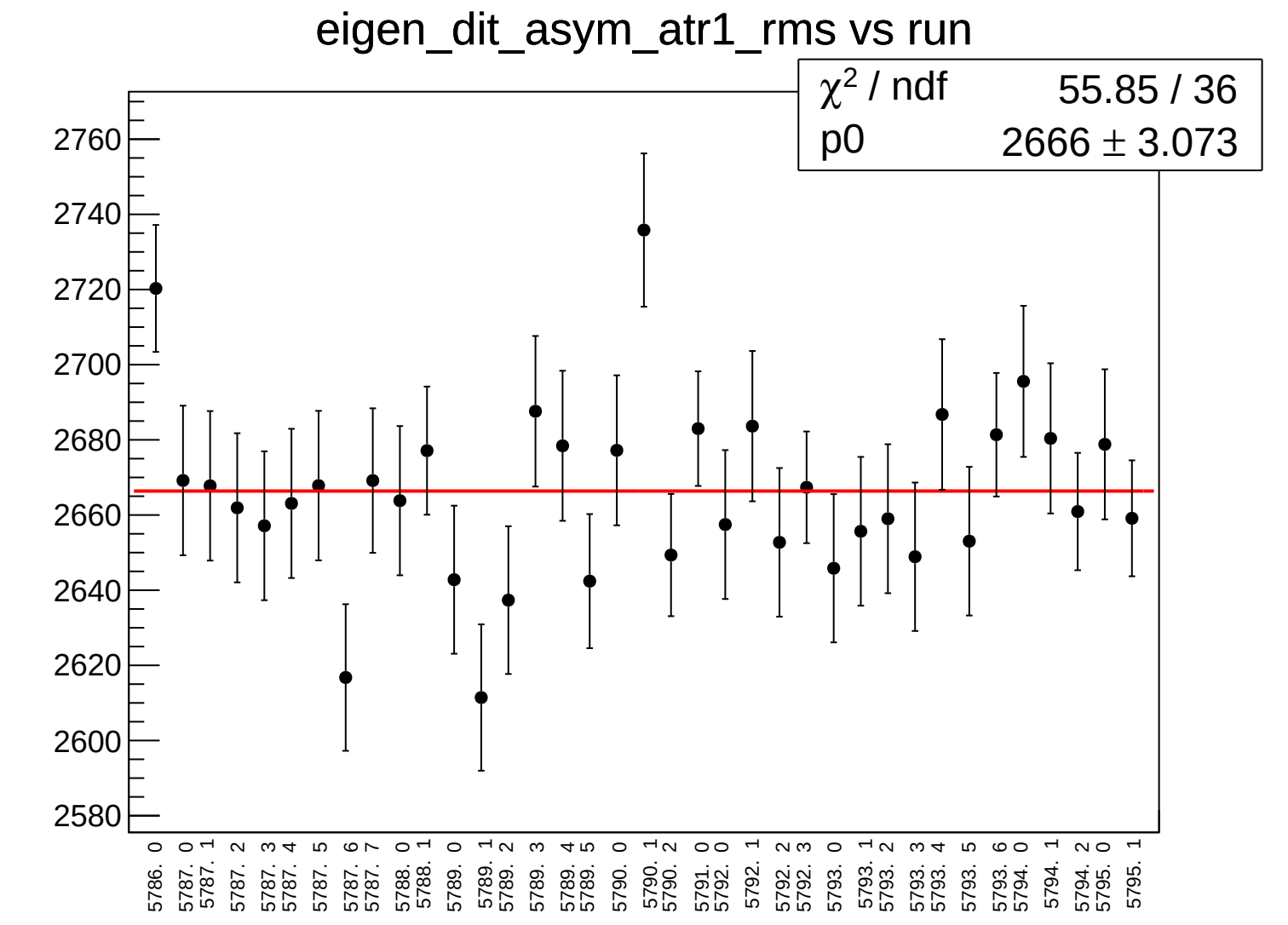
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_atr1_mean vs run
×10^3
χ^2 / ndf 36.35 / 36
p0 4098 ± 4346
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −107.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004251
Std Dev 0.9912
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr1_rms vs run
χ² / ndf 55.85 / 36
p0 2666 ± 3.073
2760
2740
2720
2700
2680
2660
2640
2620
2600
2580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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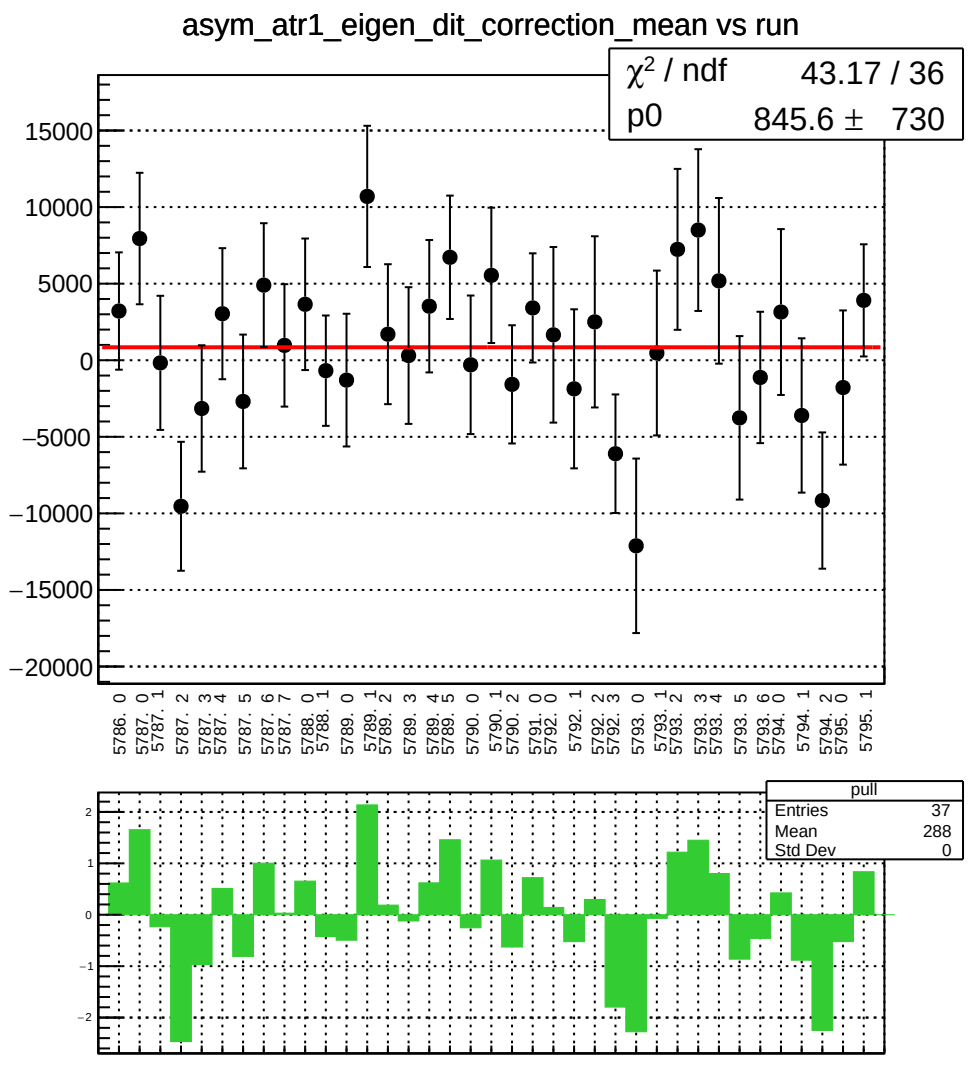
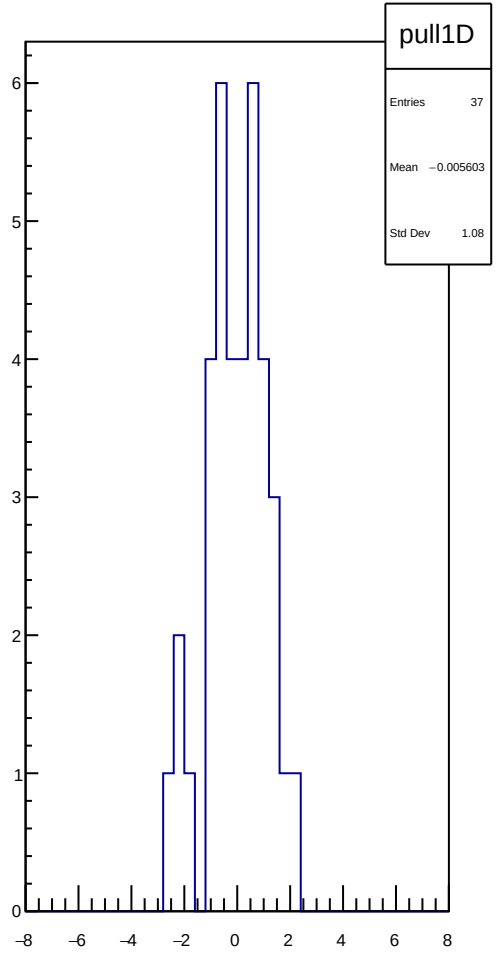
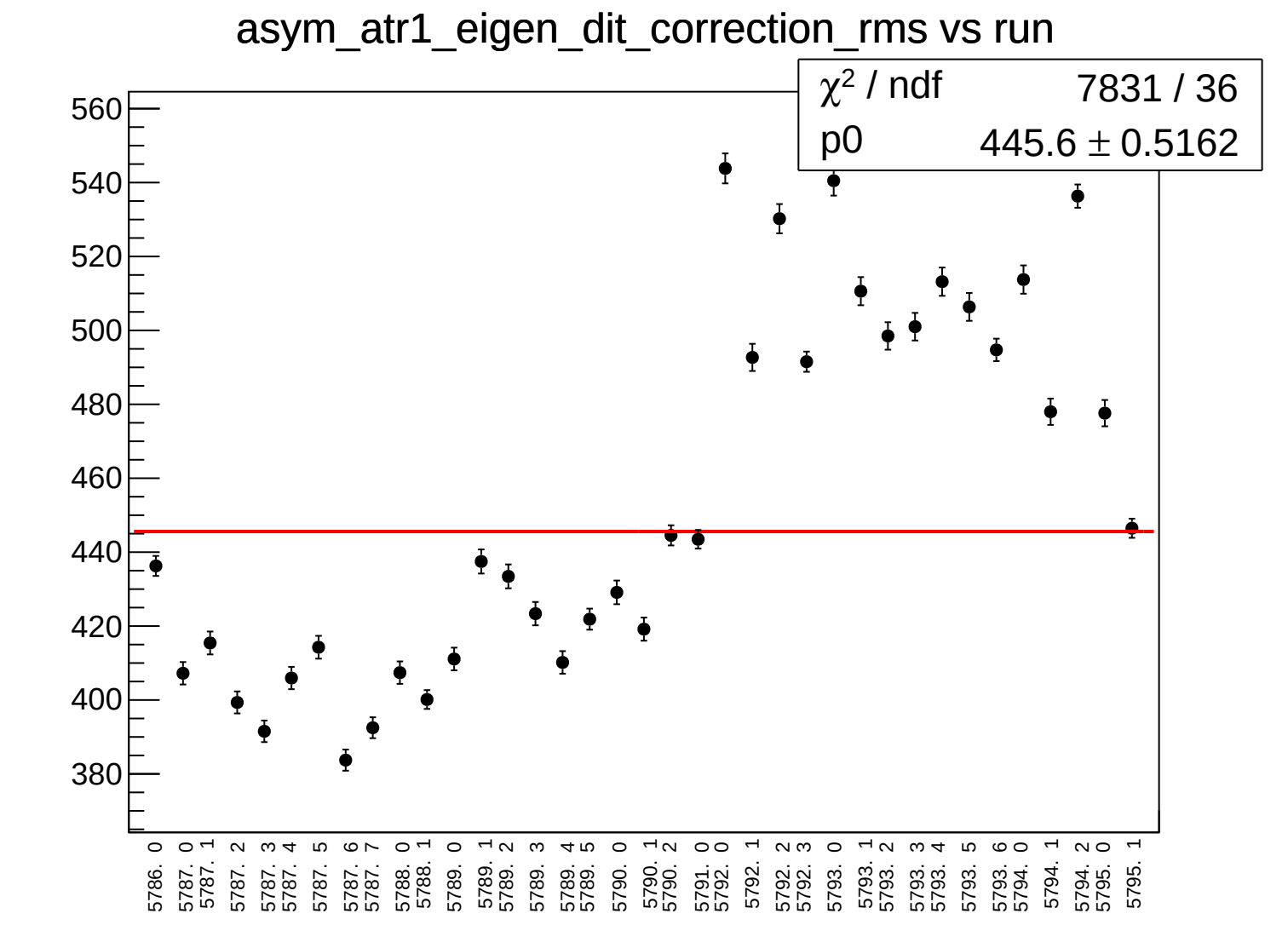
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr1_eigen_dit_correction_mean vs run
χ² / ndf 43.17 / 36
p0 845.6 ± 730
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 288
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.005603
Std Dev 1.08
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1_eigen_dit_correction_rms vs run
χ² / ndf 7831 / 36
p0 445.6 ± 0.5162
560
540
520
500
480
460
440
420
400
380
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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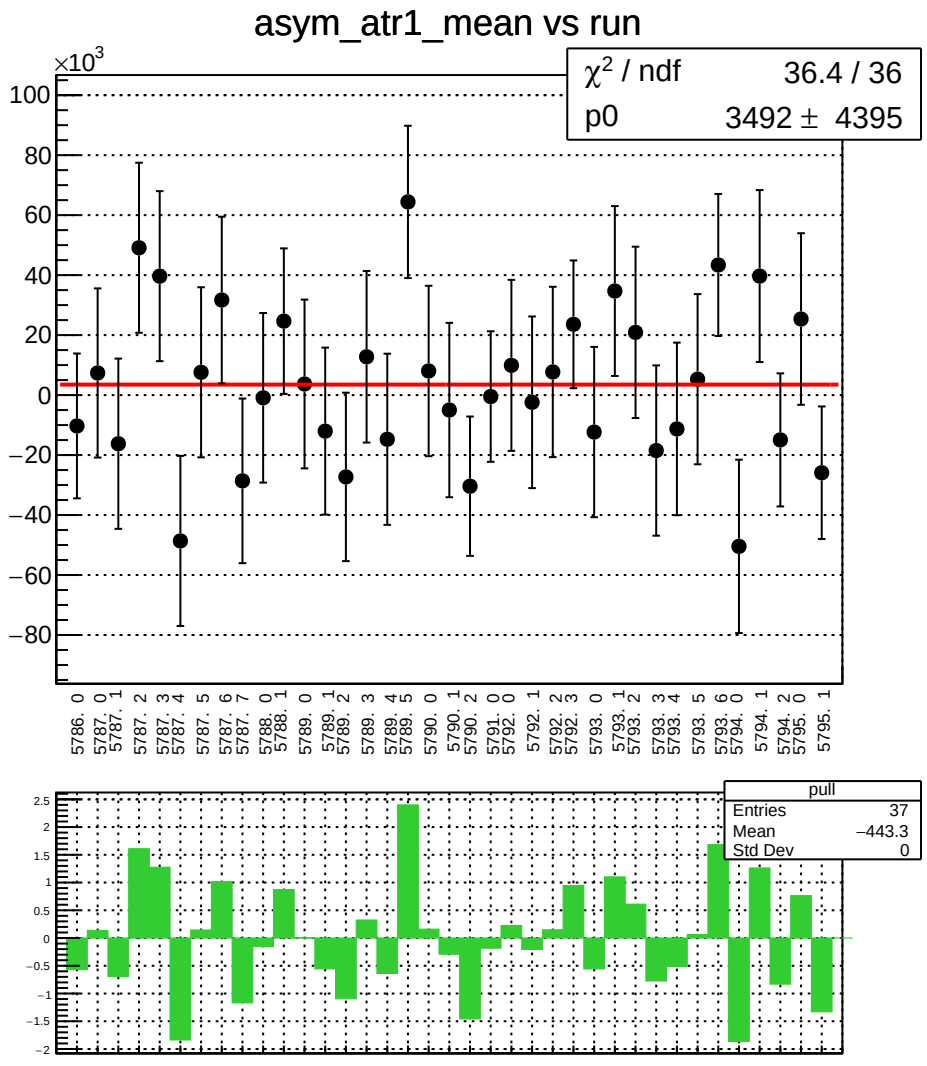
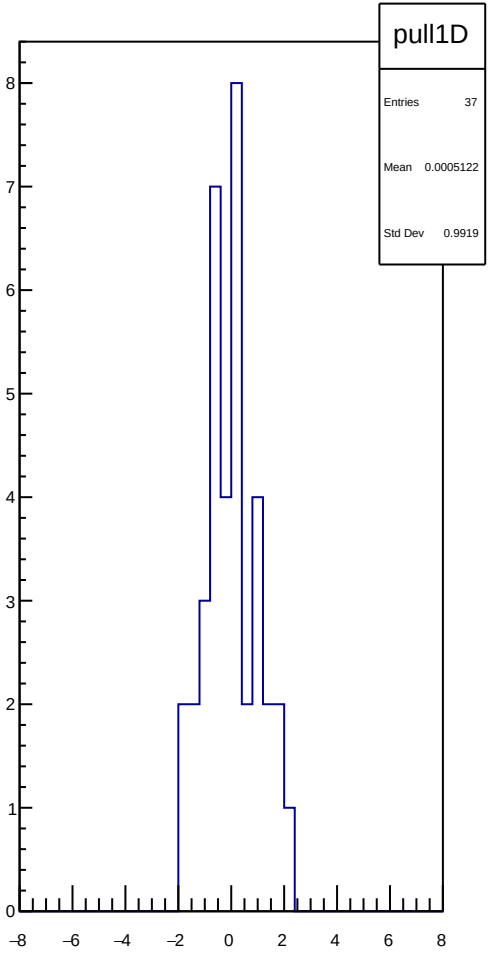
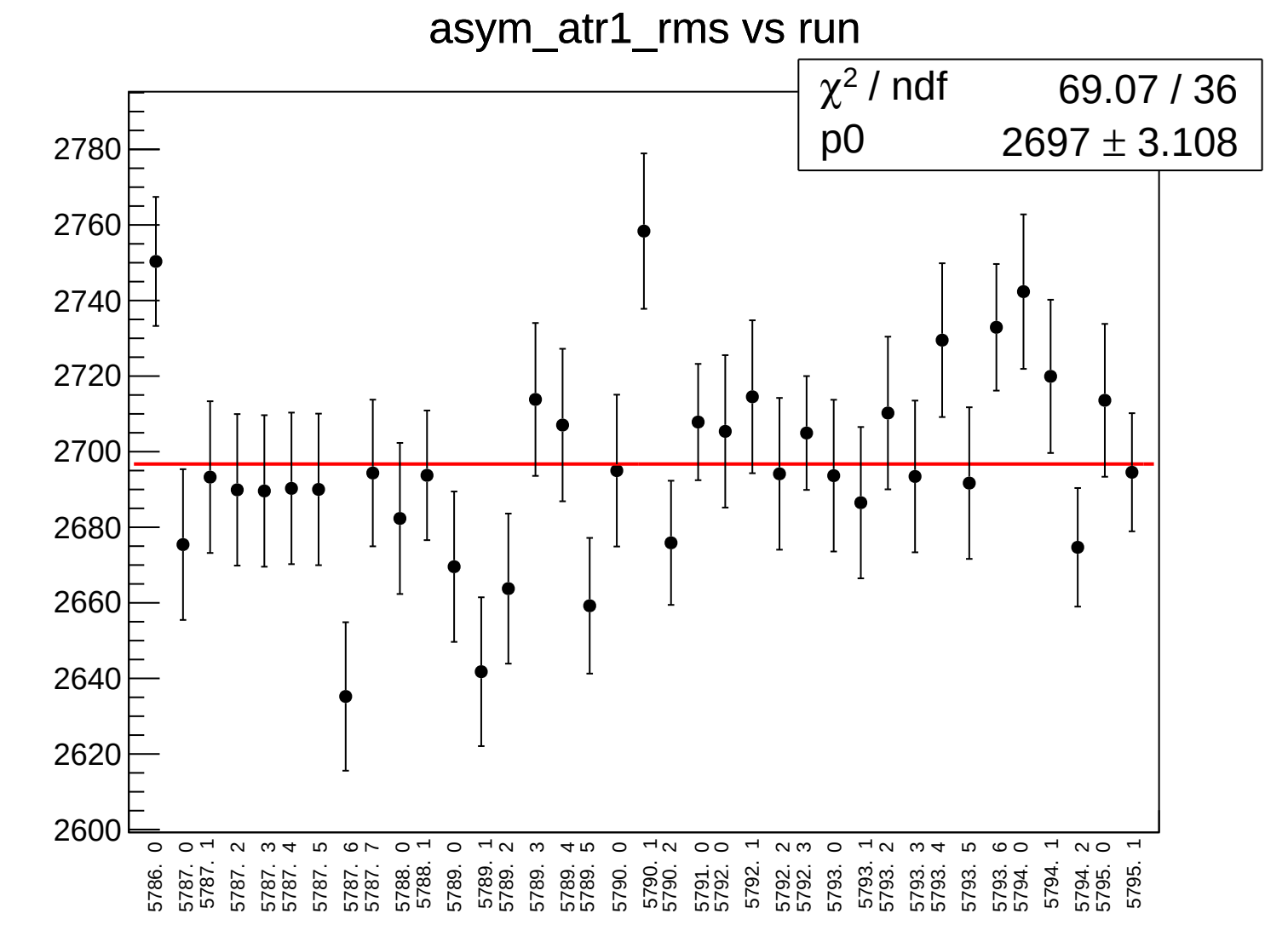
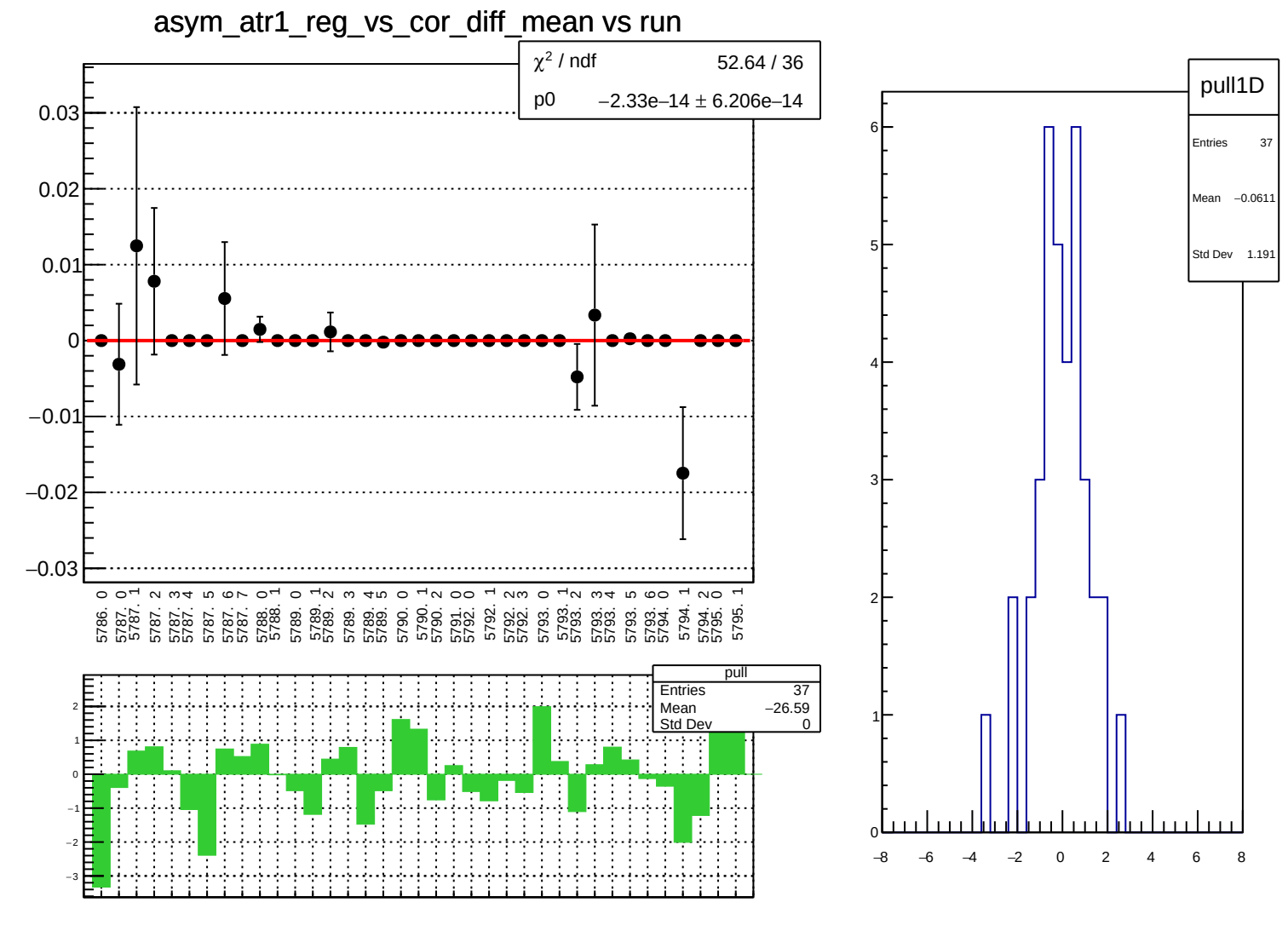
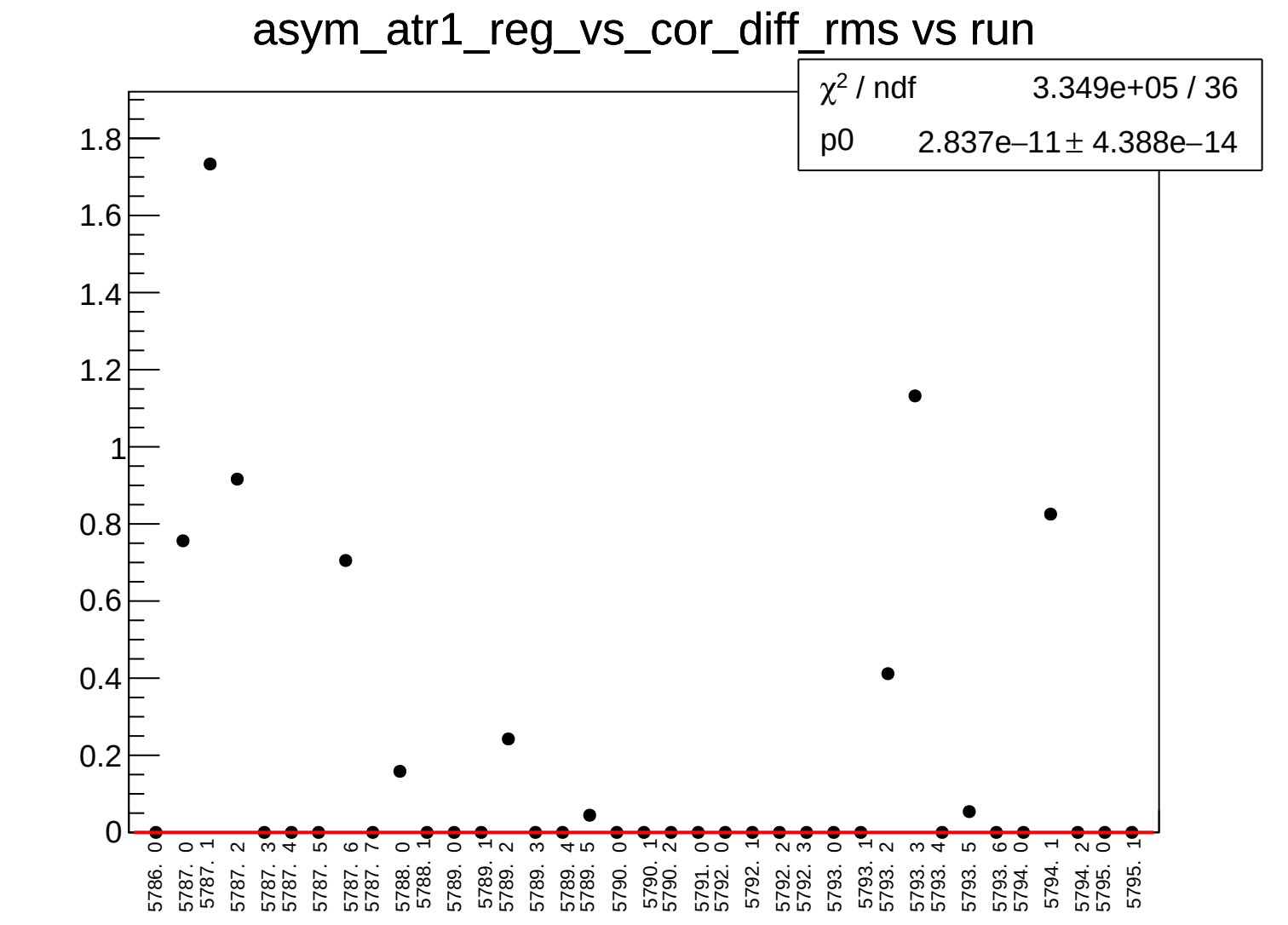
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

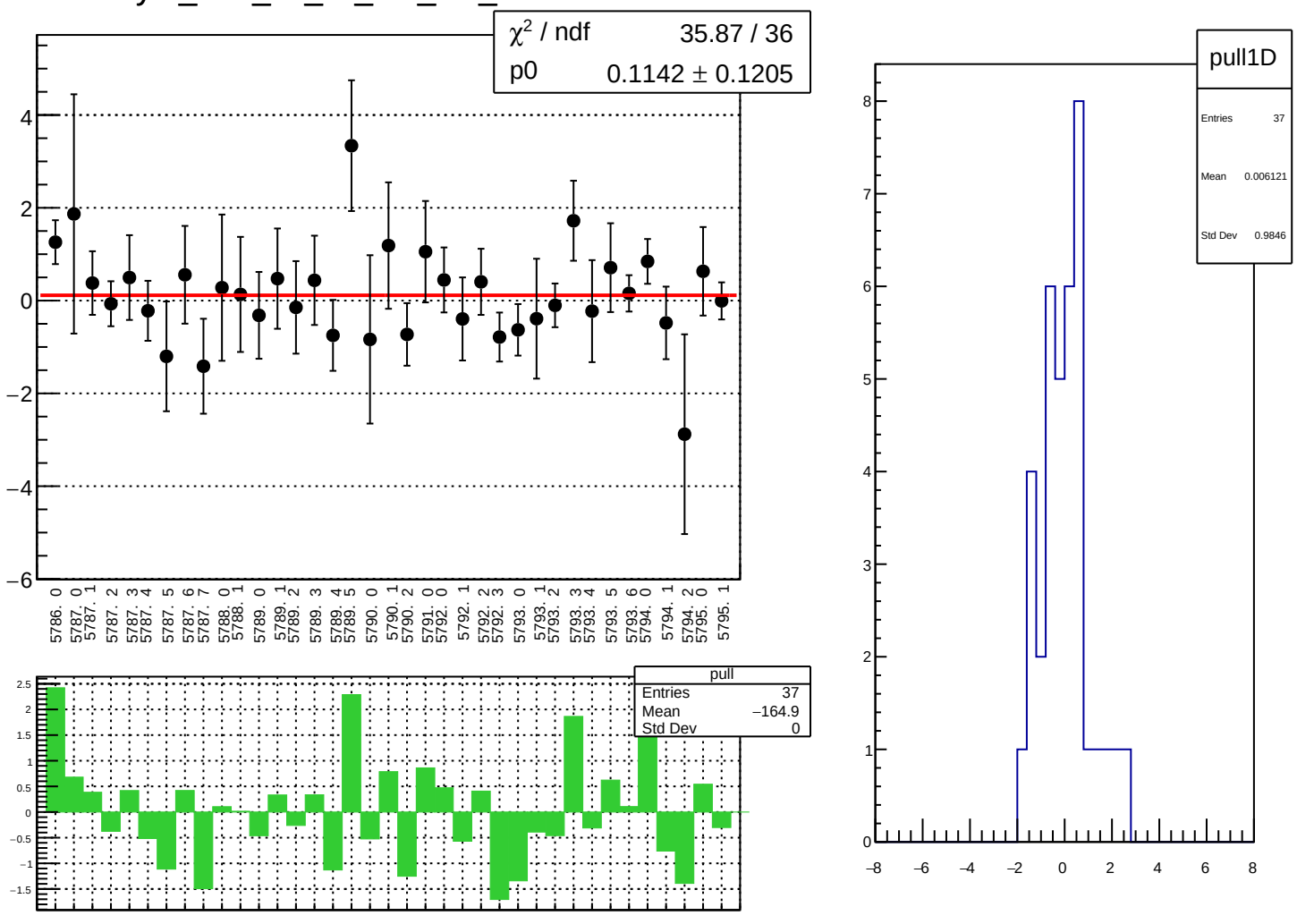

asym_atr1_mean vs run
×10^3
χ² / ndf 36.4 / 36
p0 3492 ± 4395
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −443.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

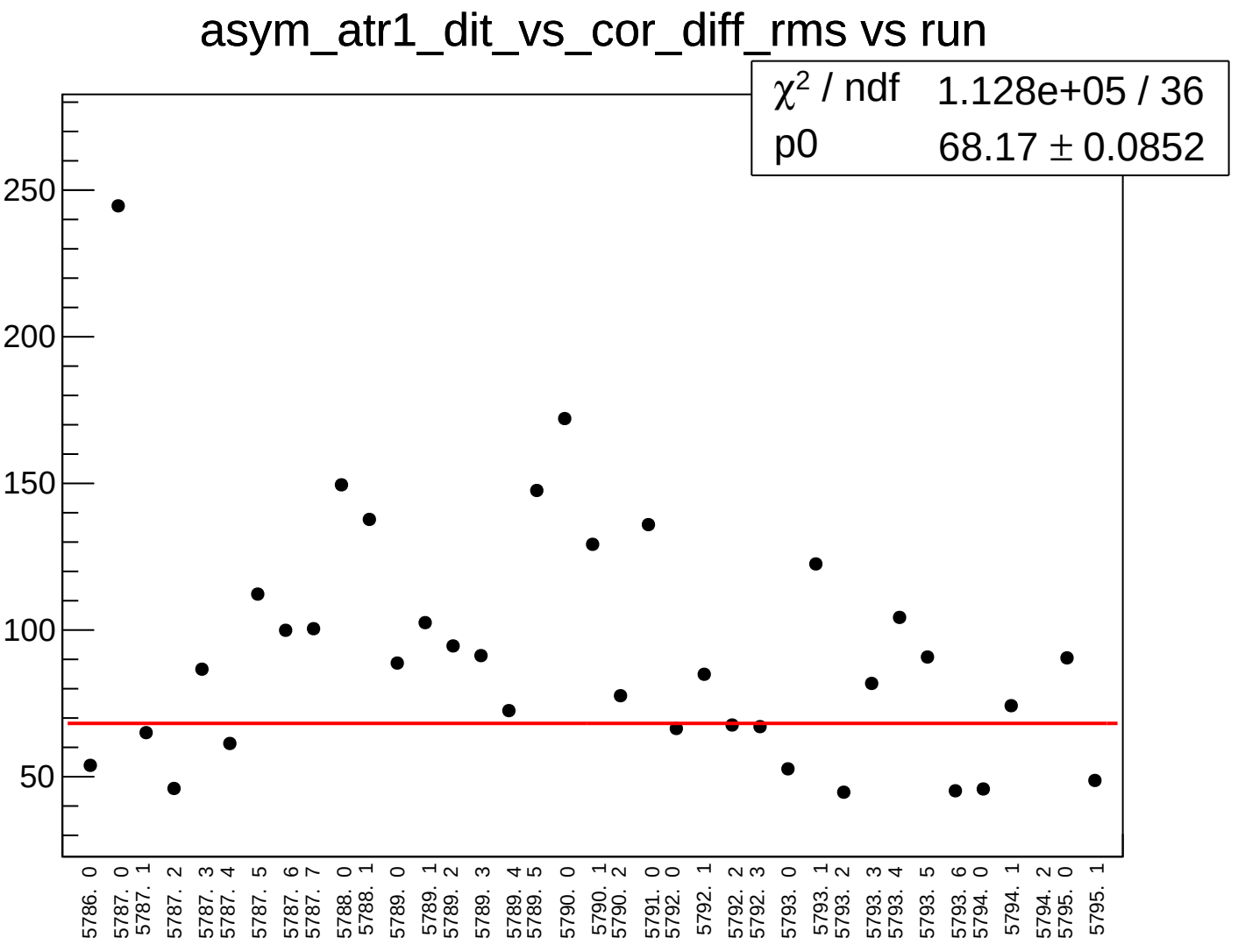

pull1D
Entries 37
Mean 0.0005122
Std Dev 0.9919
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

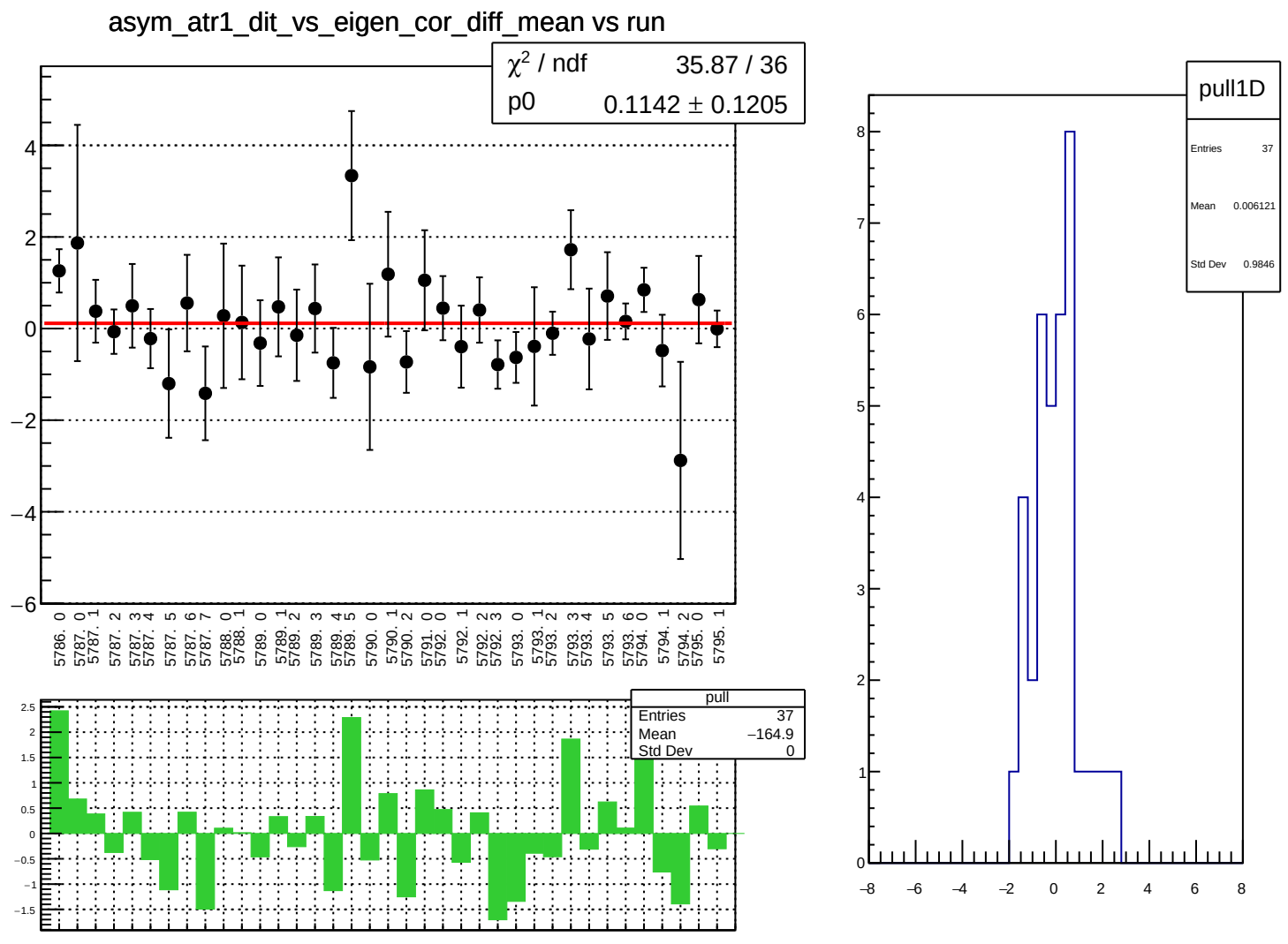

asym_atr1_rms vs run
χ^2 / ndf 69.07 / 36
p0 2697 ± 3.108
2780
2760
2740
2720
2700
2680
2660
2640
2620
2600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

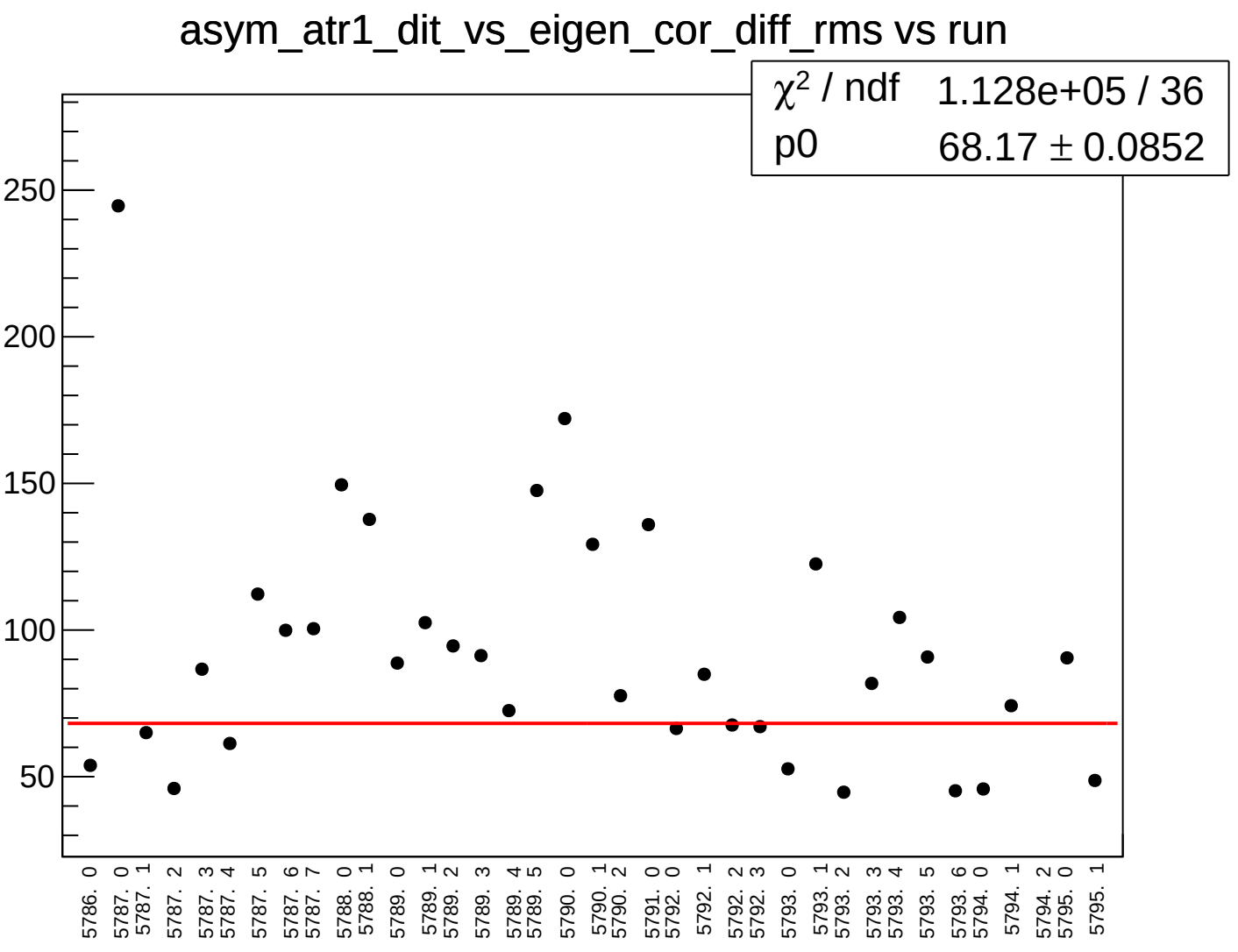

asym_atr1_reg_vs_cor_diff_mean vs run
χ² / ndf 52.64 / 36
p0 −2.33e−14 ± 6.206e−14
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.59
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.0611
Std Dev 1.191
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

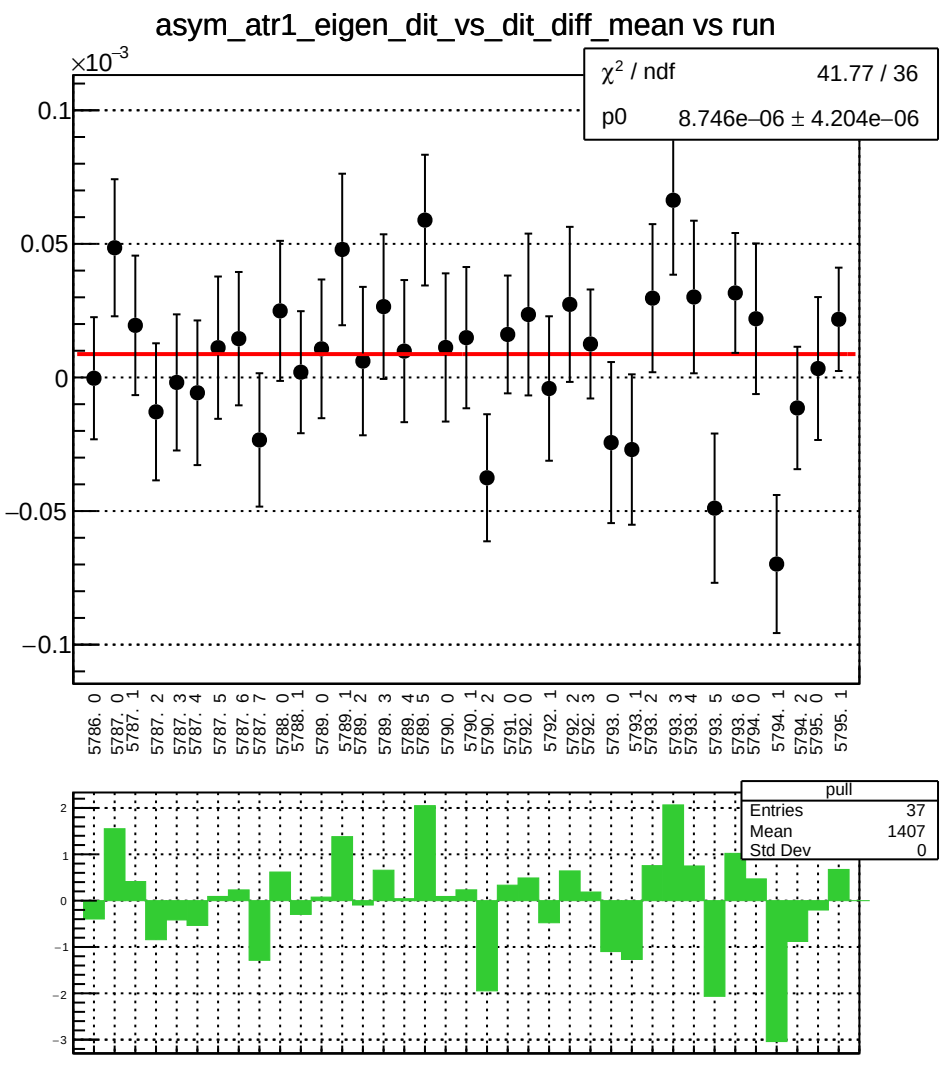

asym_atr1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.349e+05 / 36
p0 2.837e−11 ± 4.388e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

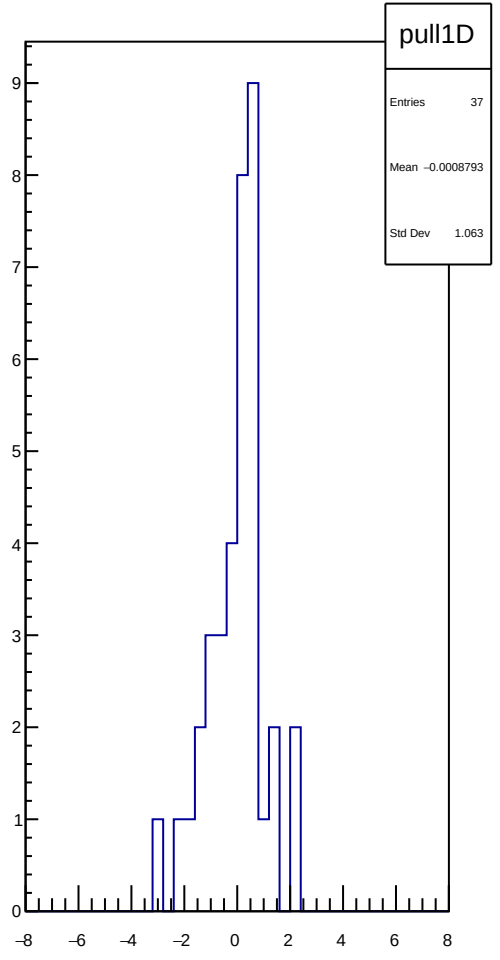

asym_atr1_dit_vs_cor_diff_mean vs run
χ² / ndf 35.87 / 36
p0 0.1142 ± 0.1205
pull
Entries 37
Mean −164.9
Std Dev 0
pull1D
Entries 37
Mean 0.006121
Std Dev 0.9846

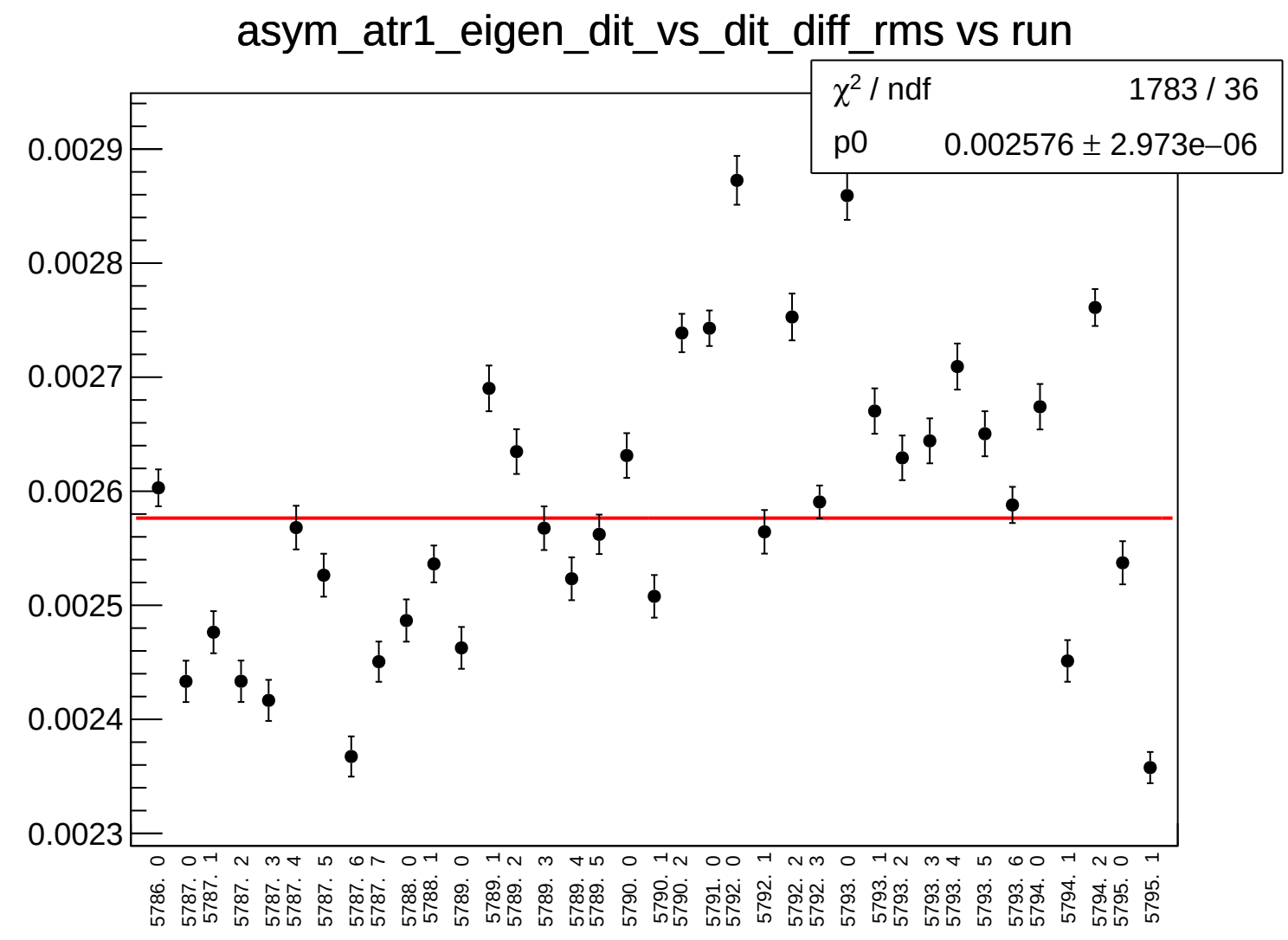

asym_atr1_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 36
p0 68.17 ± 0.0852
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

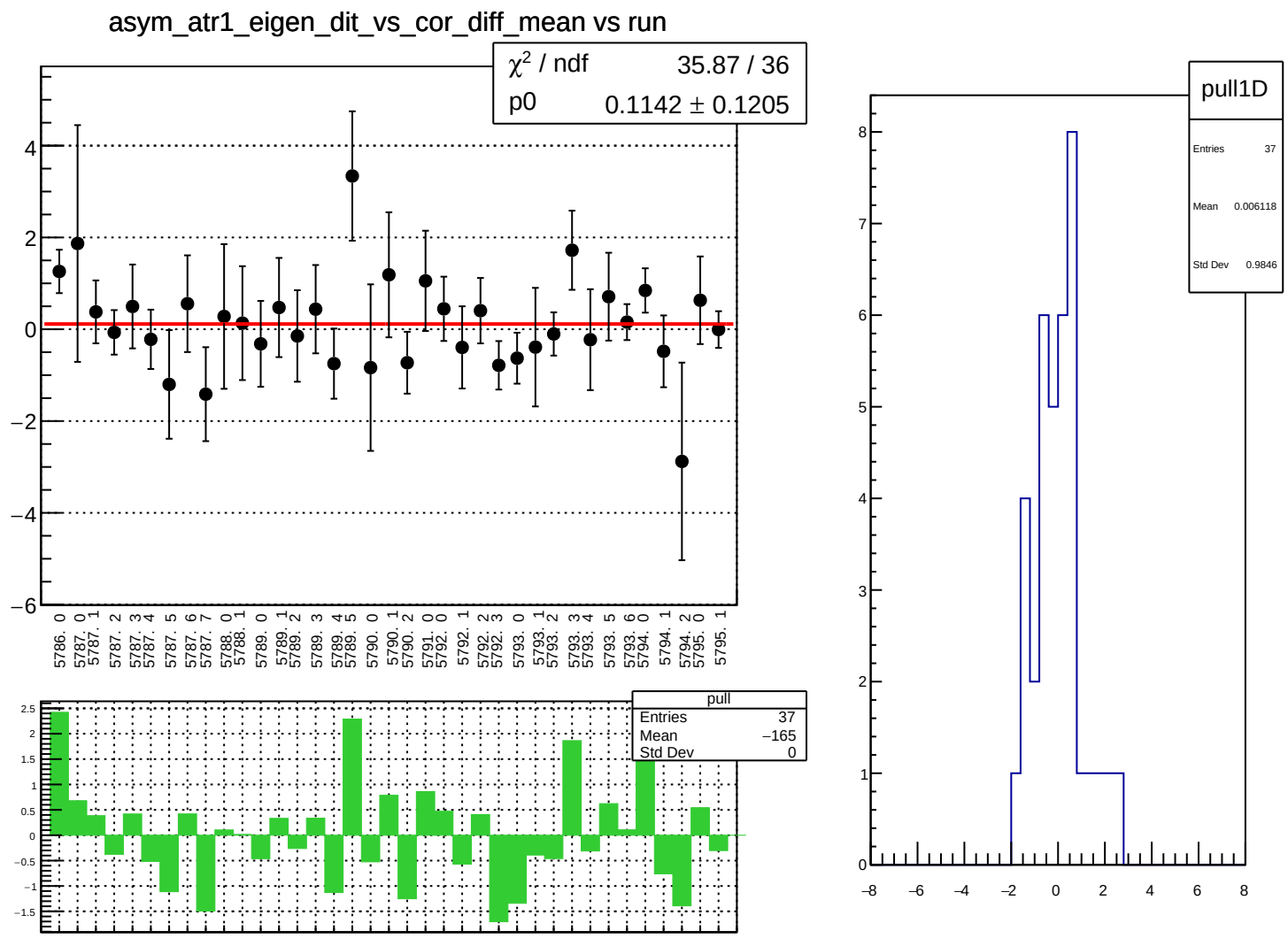

asym_atr1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.87 / 36
p0 0.1142 ± 0.1205
pull
Entries 37
Mean −164.9
Std Dev 0
pull1D
Entries 37
Mean 0.006121
Std Dev 0.9846

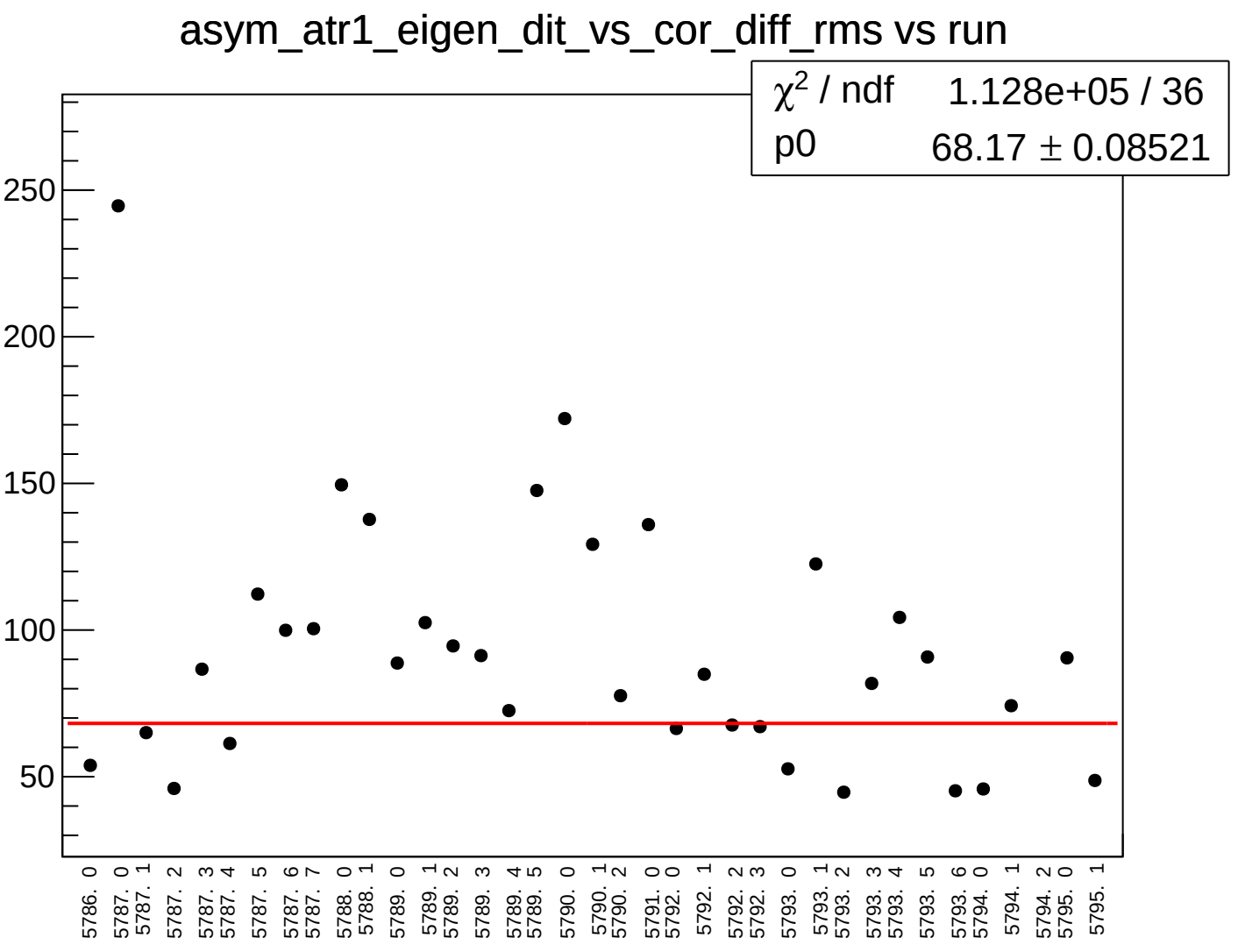

asym_atr1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 36
p0 68.17 ± 0.0852
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

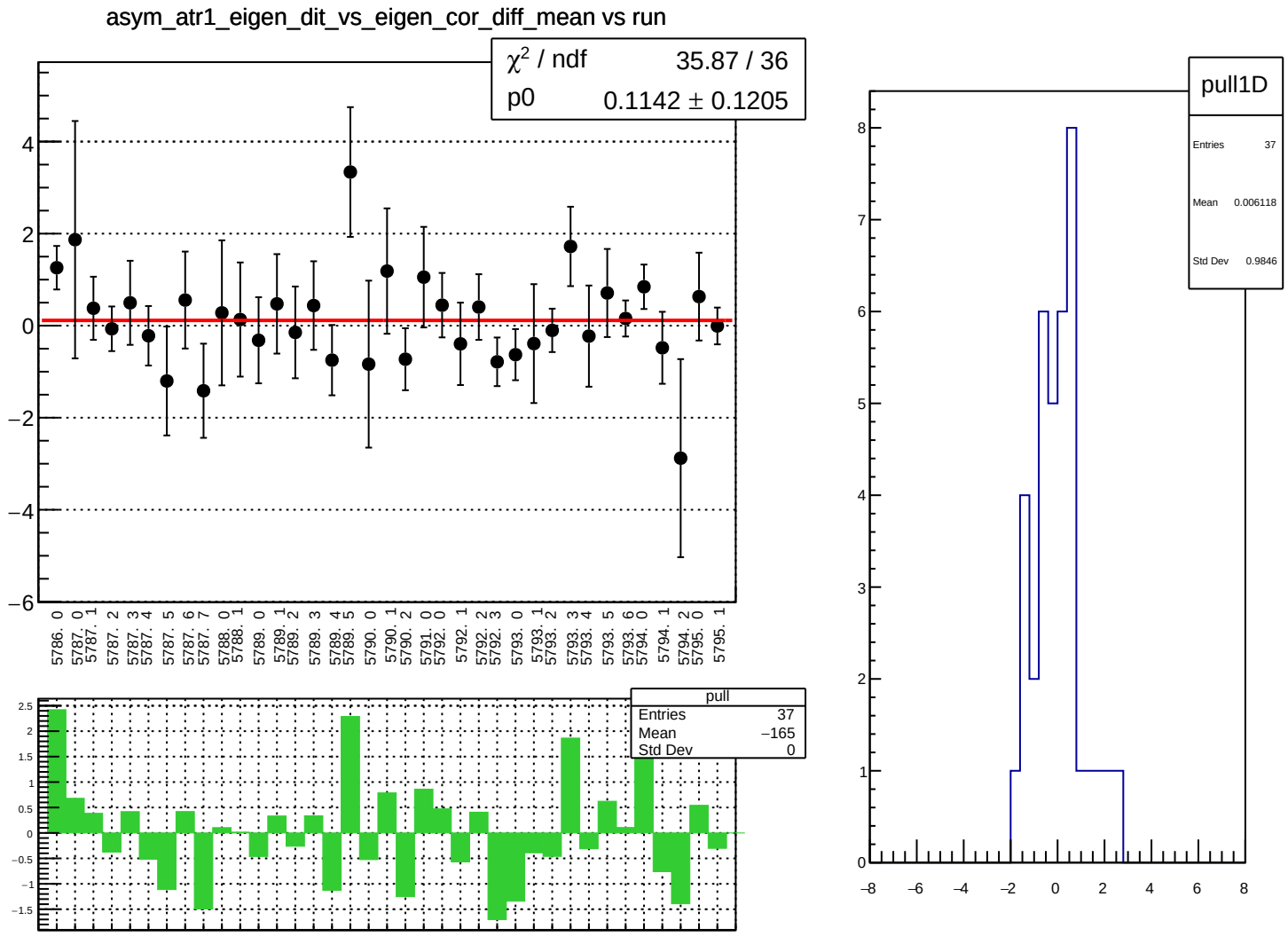

asym_atr1_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 41.77 / 36
p0 8.746e−06 ± 4.204e−06
0.1
0.05
0
−0.05
−0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1407
Std Dev 0
2
1
0
−1
−2
−3

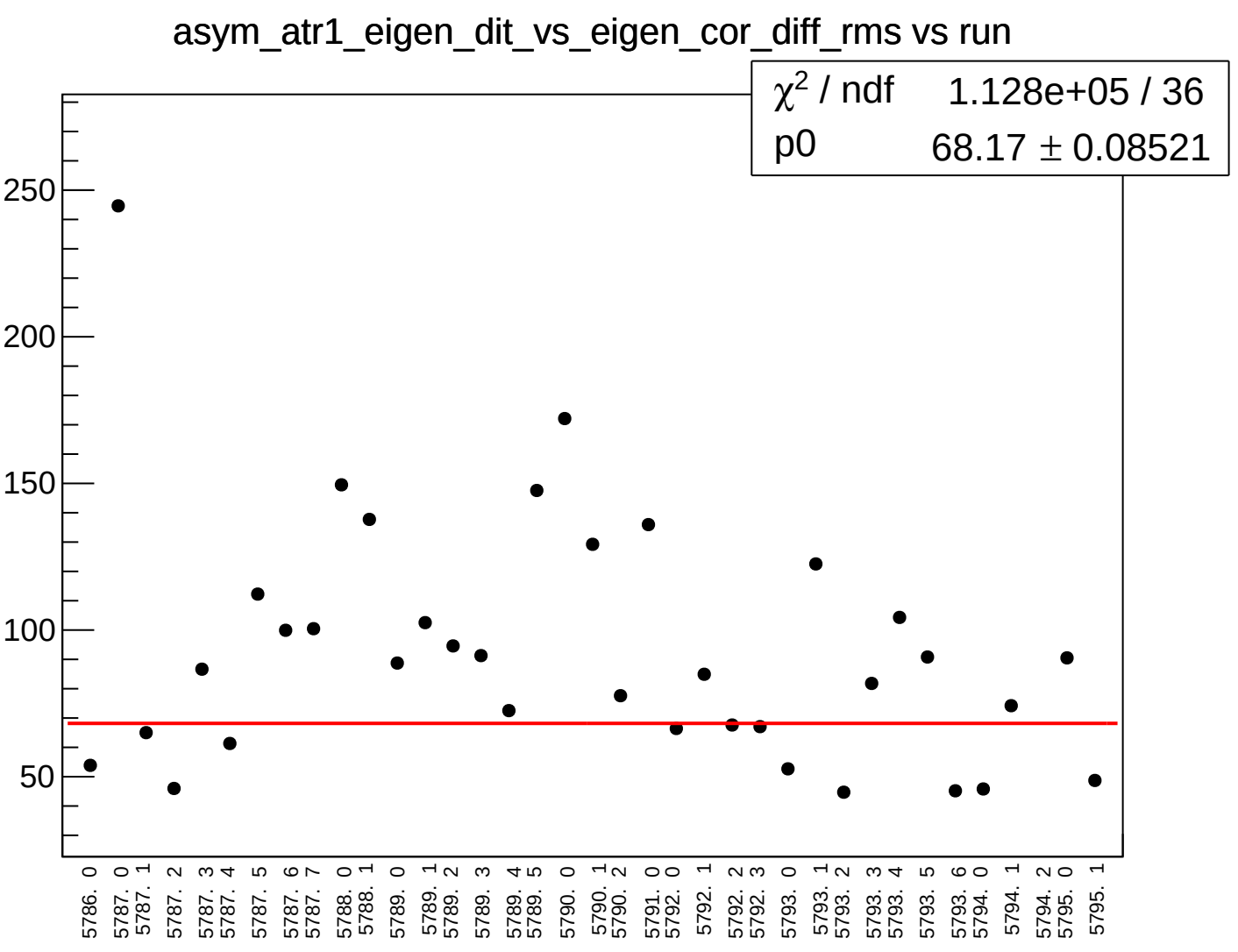

pull1D
Entries 37
Mean −0.0008793
Std Dev 1.063
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

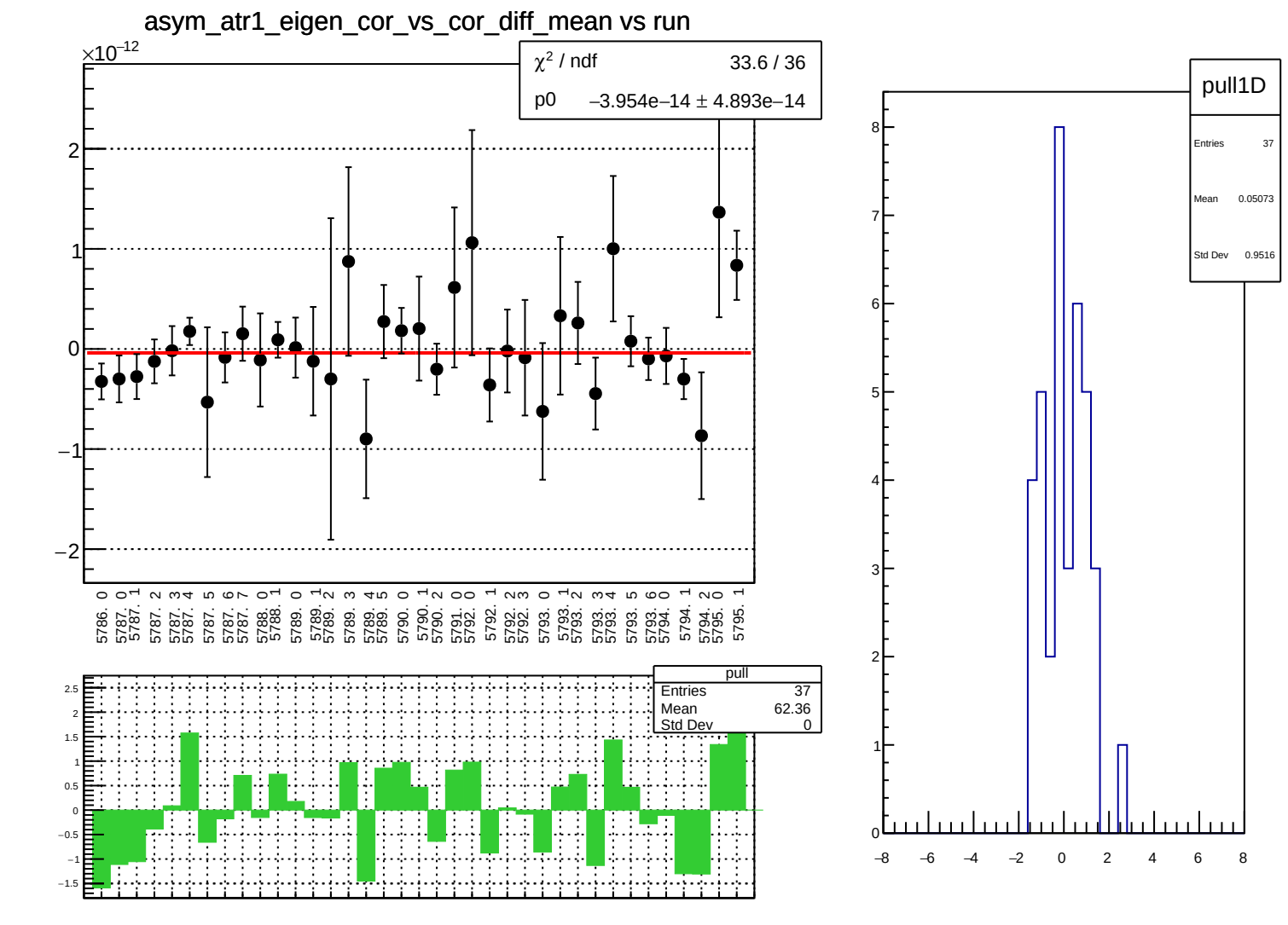

asym_atr1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1783 / 36
p0 0.002576 ± 2.973e−06
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

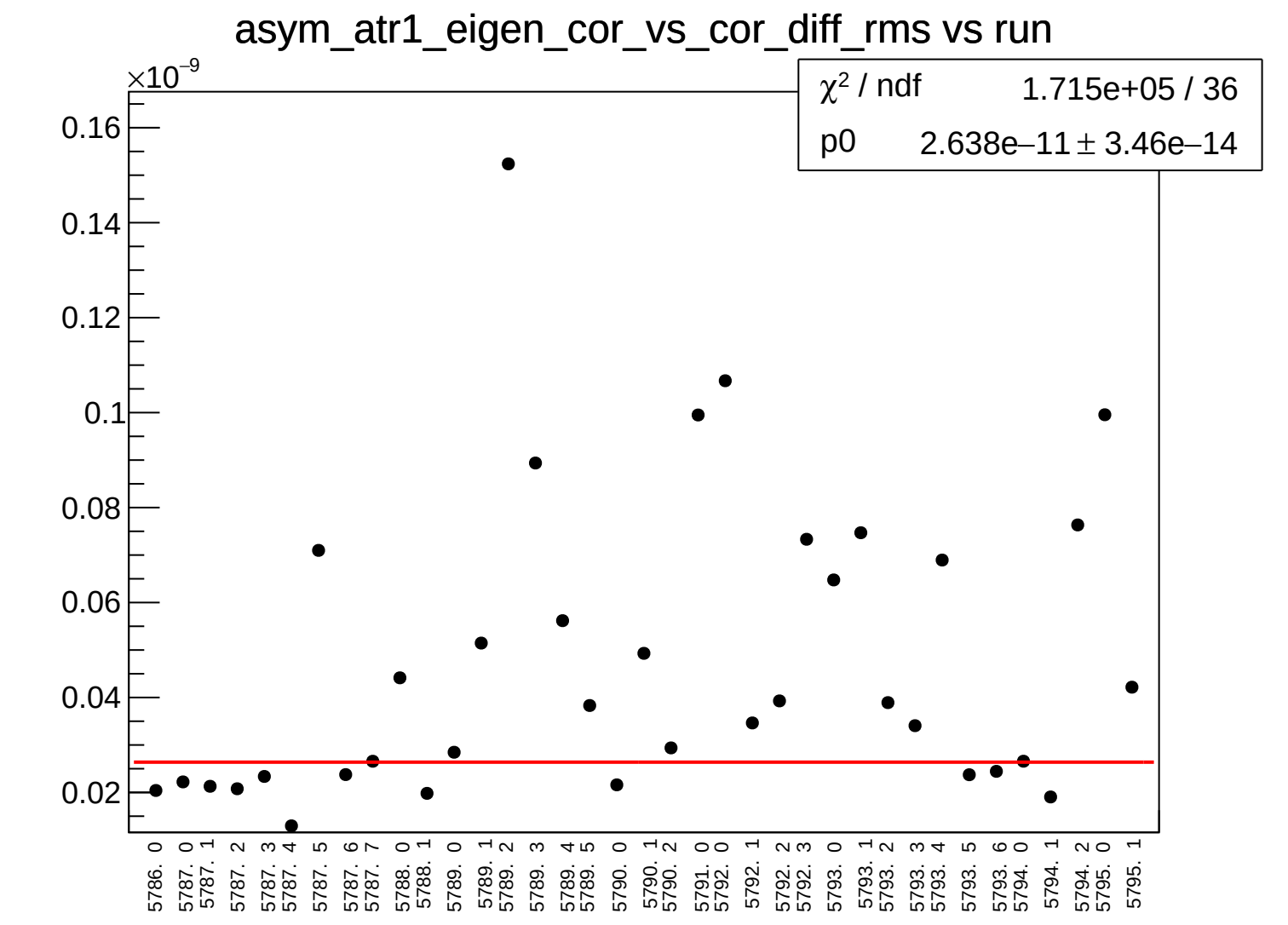

asym_atr1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.87 / 36
p0 0.1142 ± 0.1205
pull
Entries 37
Mean −165
Std Dev 0
pull1D
Entries 37
Mean 0.006118
Std Dev 0.9846

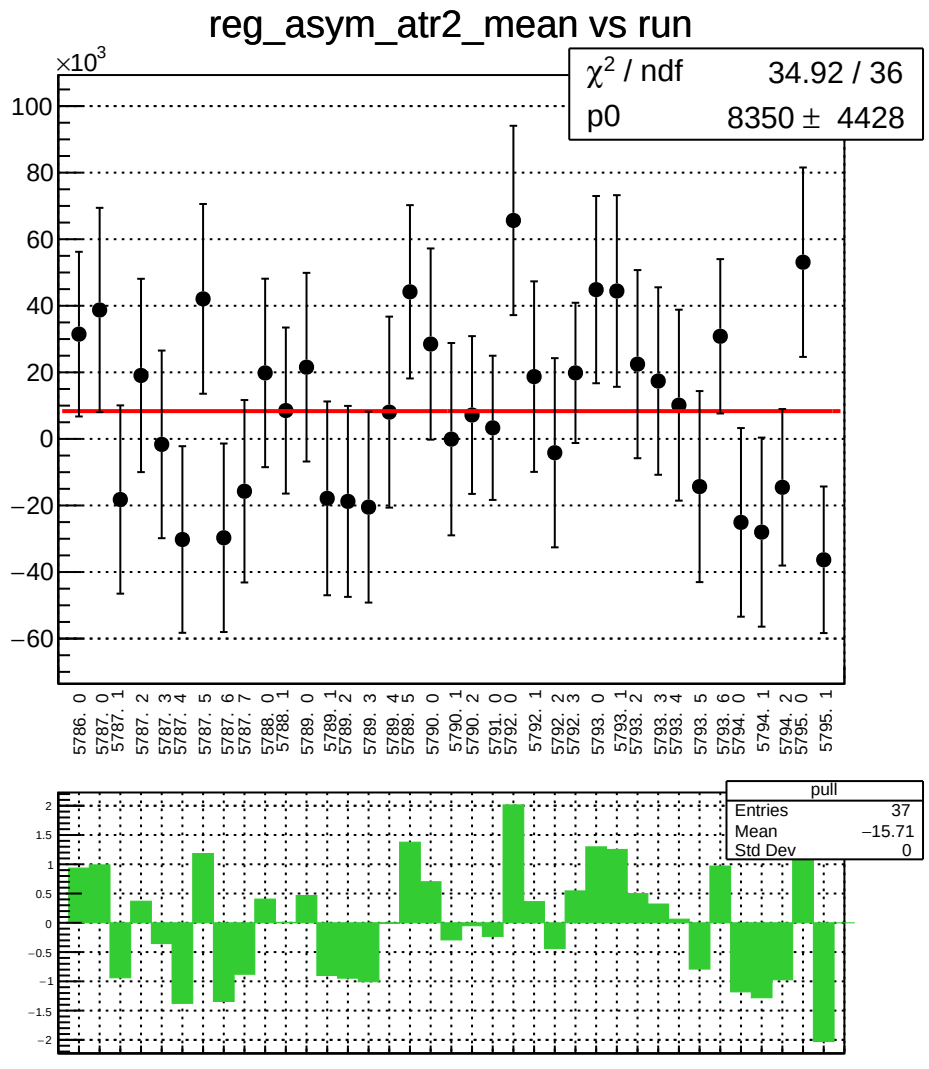

asym_atr1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 36
p0 68.17 ± 0.08521
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

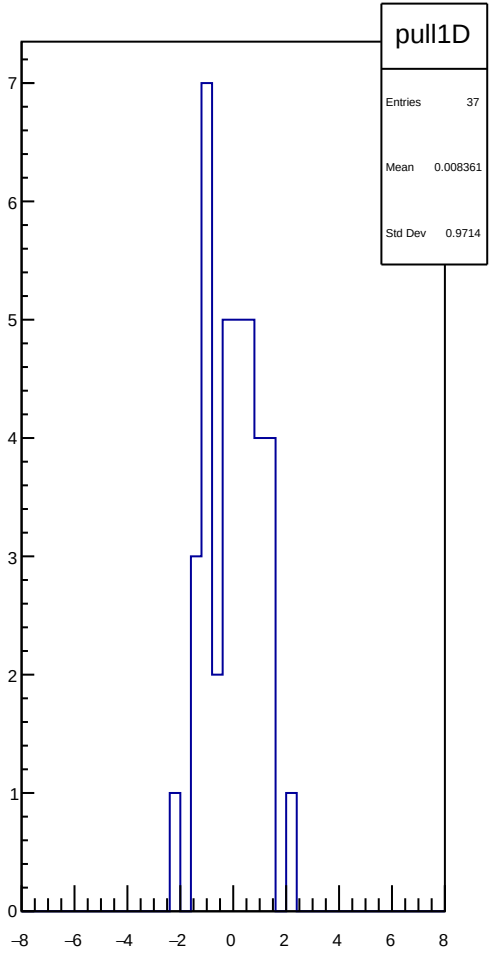

asym_atr1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.87 / 36
p0 0.1142 ± 0.1205
pull
Entries 37
Mean −165
Std Dev 0
pull1D
Entries 37
Mean 0.006118
Std Dev 0.9846

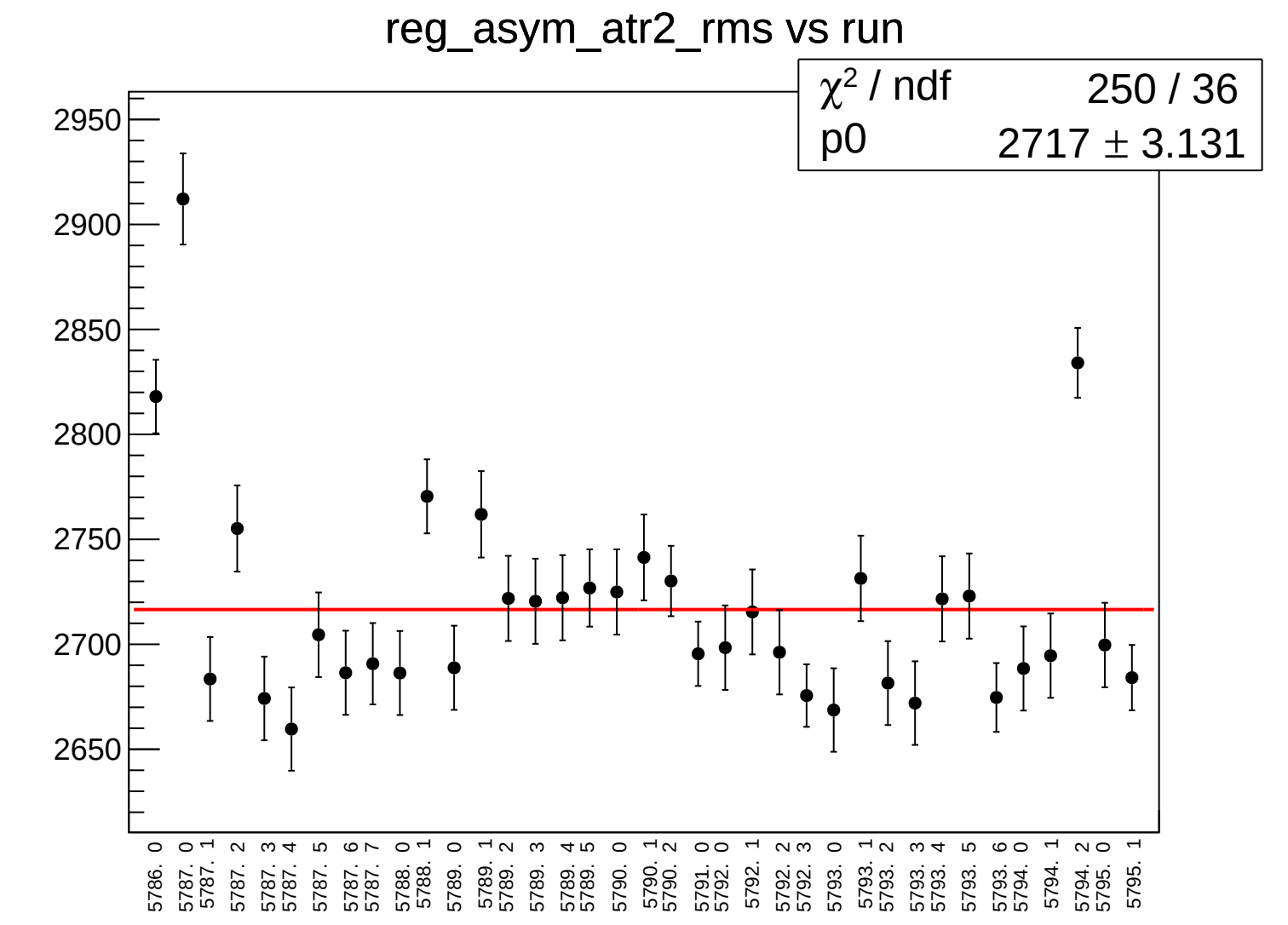

asym_atr1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.128e+05 / 36
p0 68.17 ± 0.08521
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

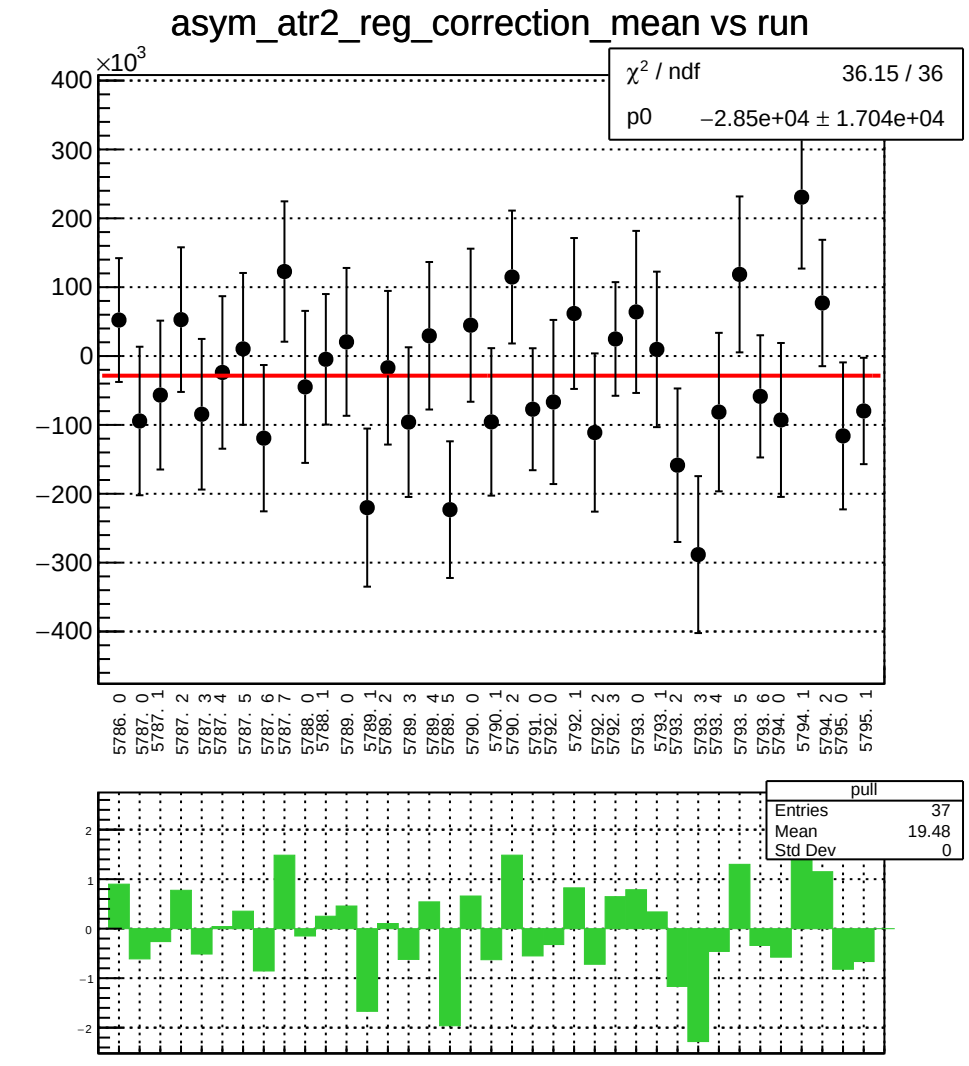

asym_atr1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.6 / 36
p0 −3.954e−14 ± 4.893e−14
2
1
0
−1
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 62.36
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.05073
Std Dev 0.9516
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

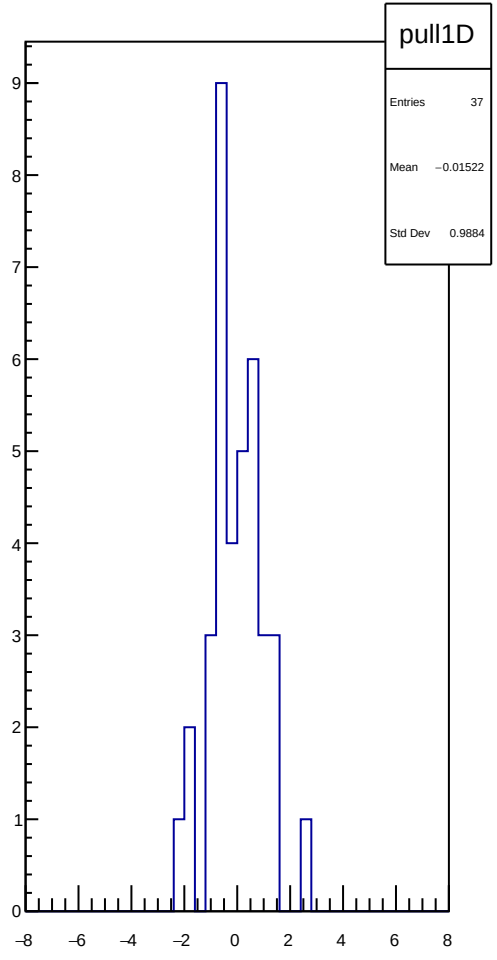

asym_atr1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.715e+05 / 36
p0 2.638e−11 ± 3.46e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

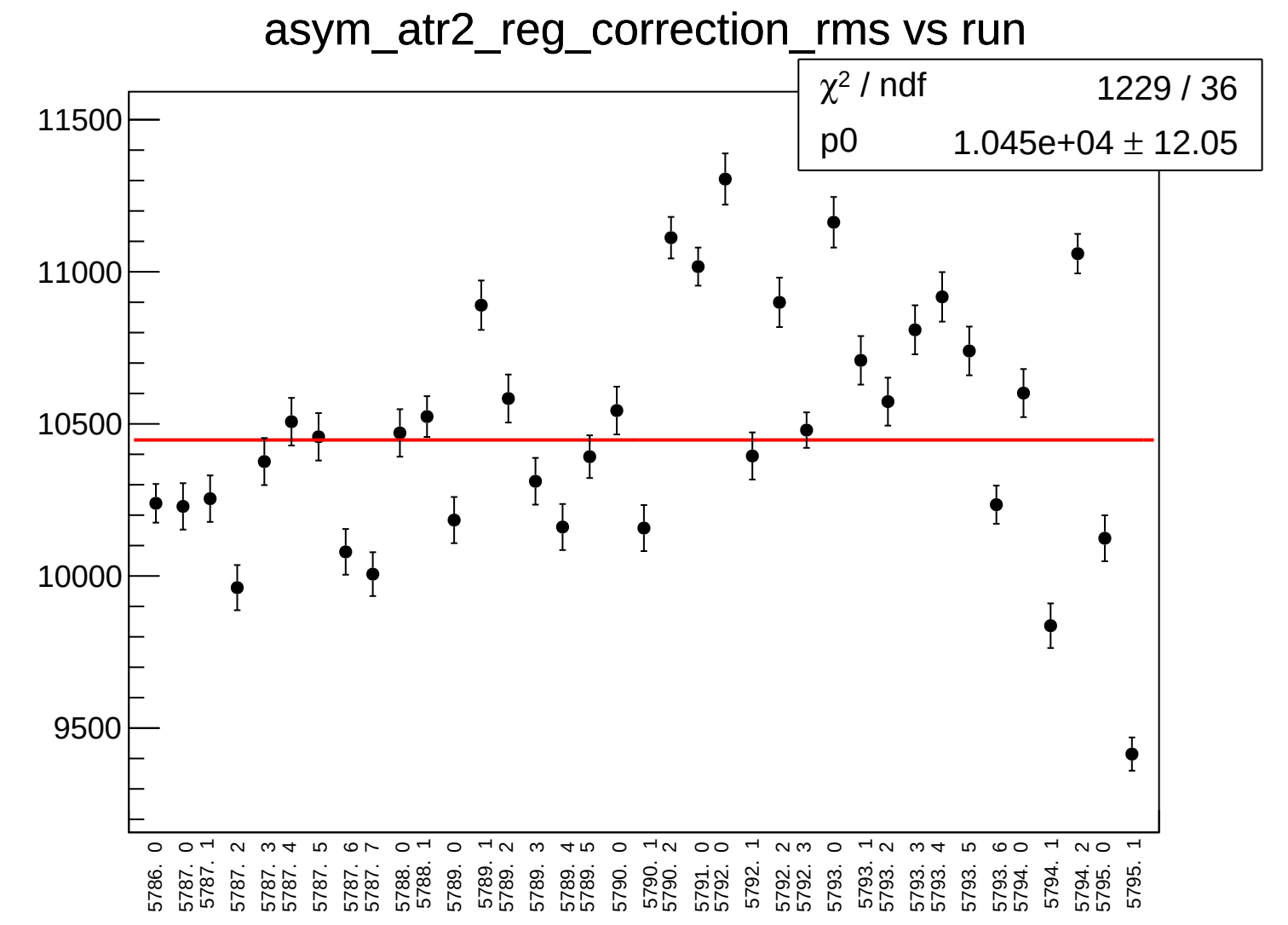

reg_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.92 / 36
p0 8350 ± 4428
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

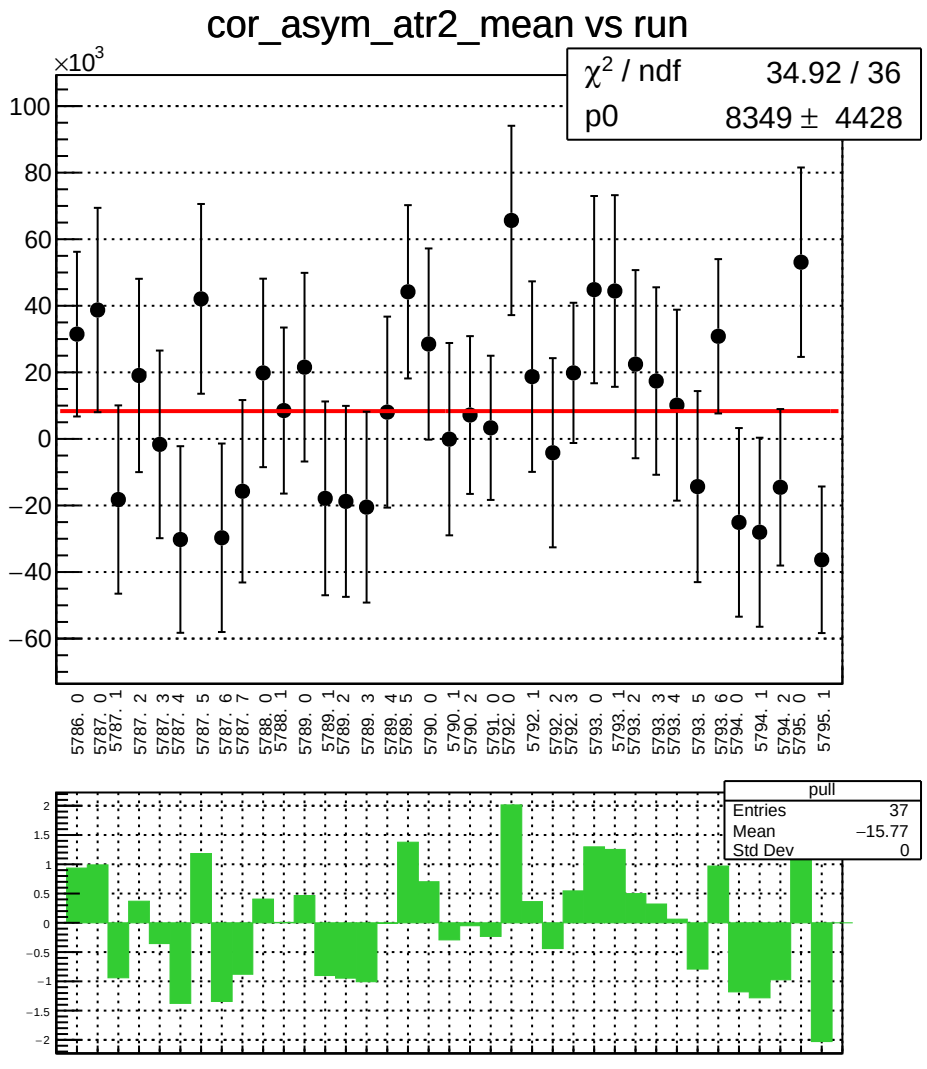

pull1D
Entries 37
Mean 0.008361
Std Dev 0.9714
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

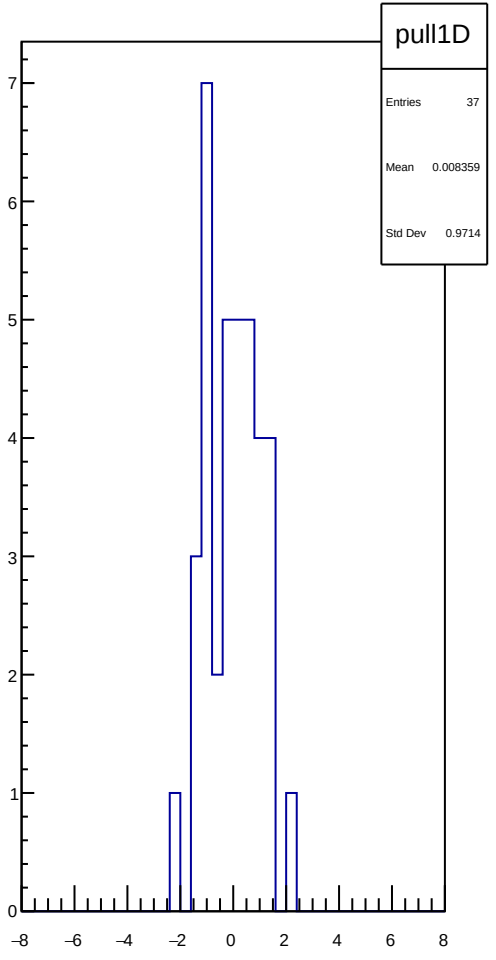

reg_asym_atr2_rms vs run
χ² / ndf 250 / 36
p0 2717 ± 3.131
2950
2900
2850
2800
2750
2700
2650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

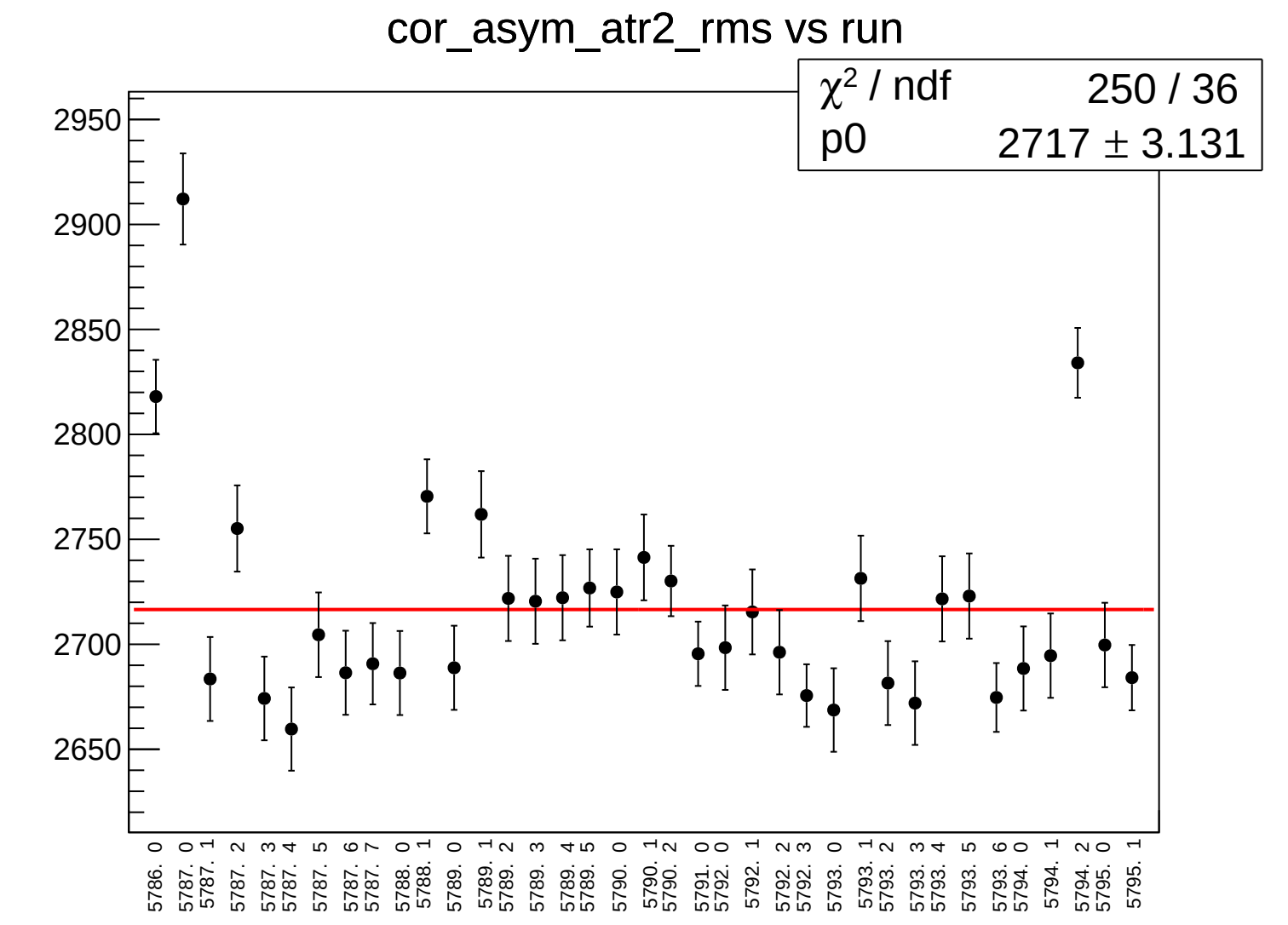

asym_atr2_reg_correction_mean vs run
×10^3
χ² / ndf 36.15 / 36
p0 −2.85e+04 ± 1.704e+04
pull
Entries 37
Mean 19.48
Std Dev 0


pull1D
Entries 37
Mean −0.01522
Std Dev 0.9884


asym_atr2_reg_correction_rms vs run
χ² / ndf 1229 / 36
p0 1.045e+04 ± 12.05
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.92 / 36
p0 8349 ± 4428
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.008359
Std Dev 0.9714
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr2_rms vs run
χ² / ndf 250 / 36
p0 2717 ± 3.131
2950
2900
2850
2800
2750
2700
2650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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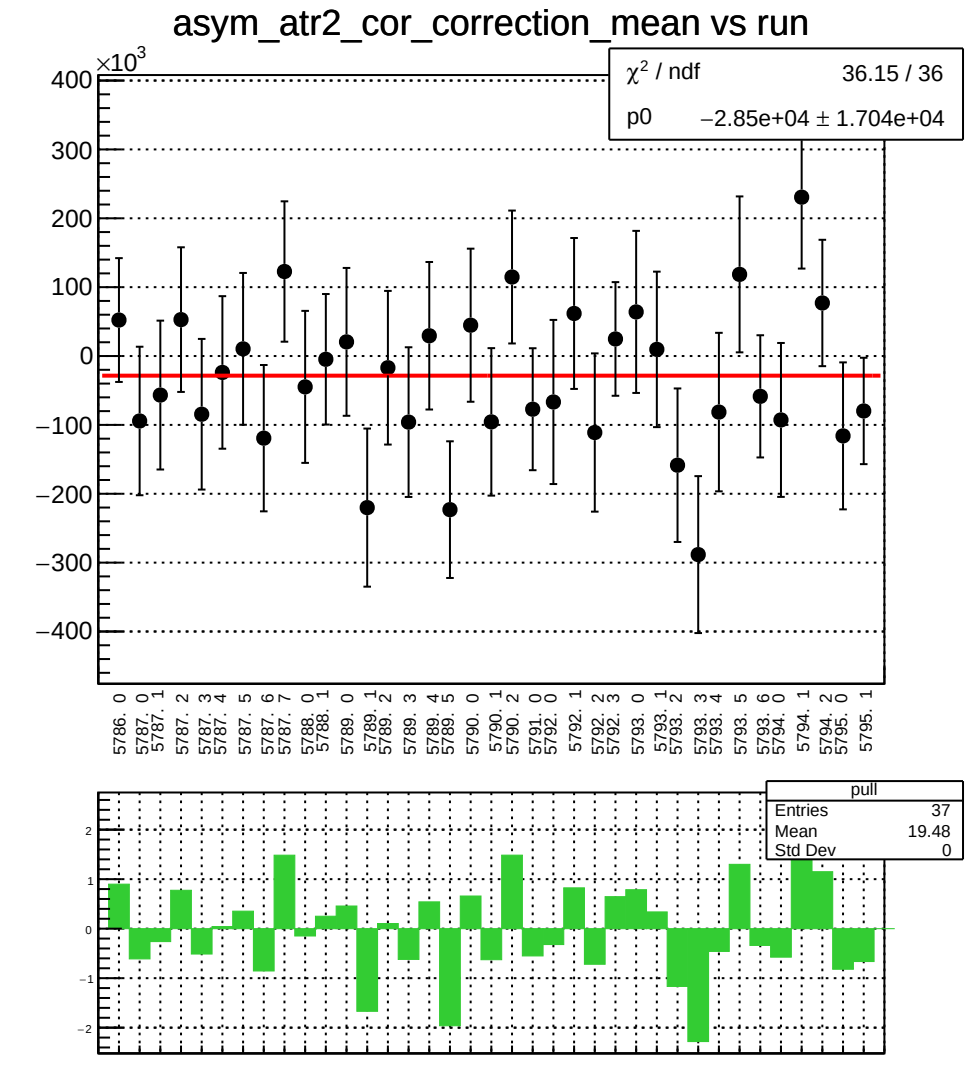
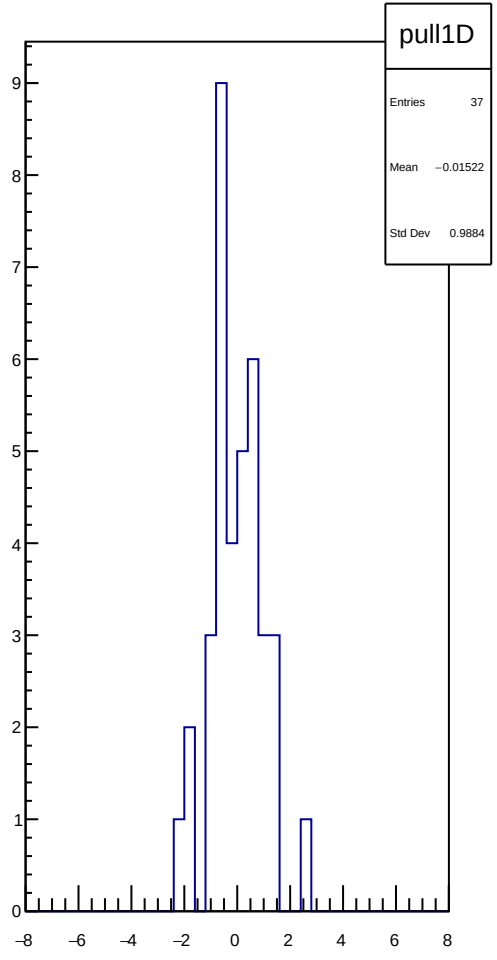
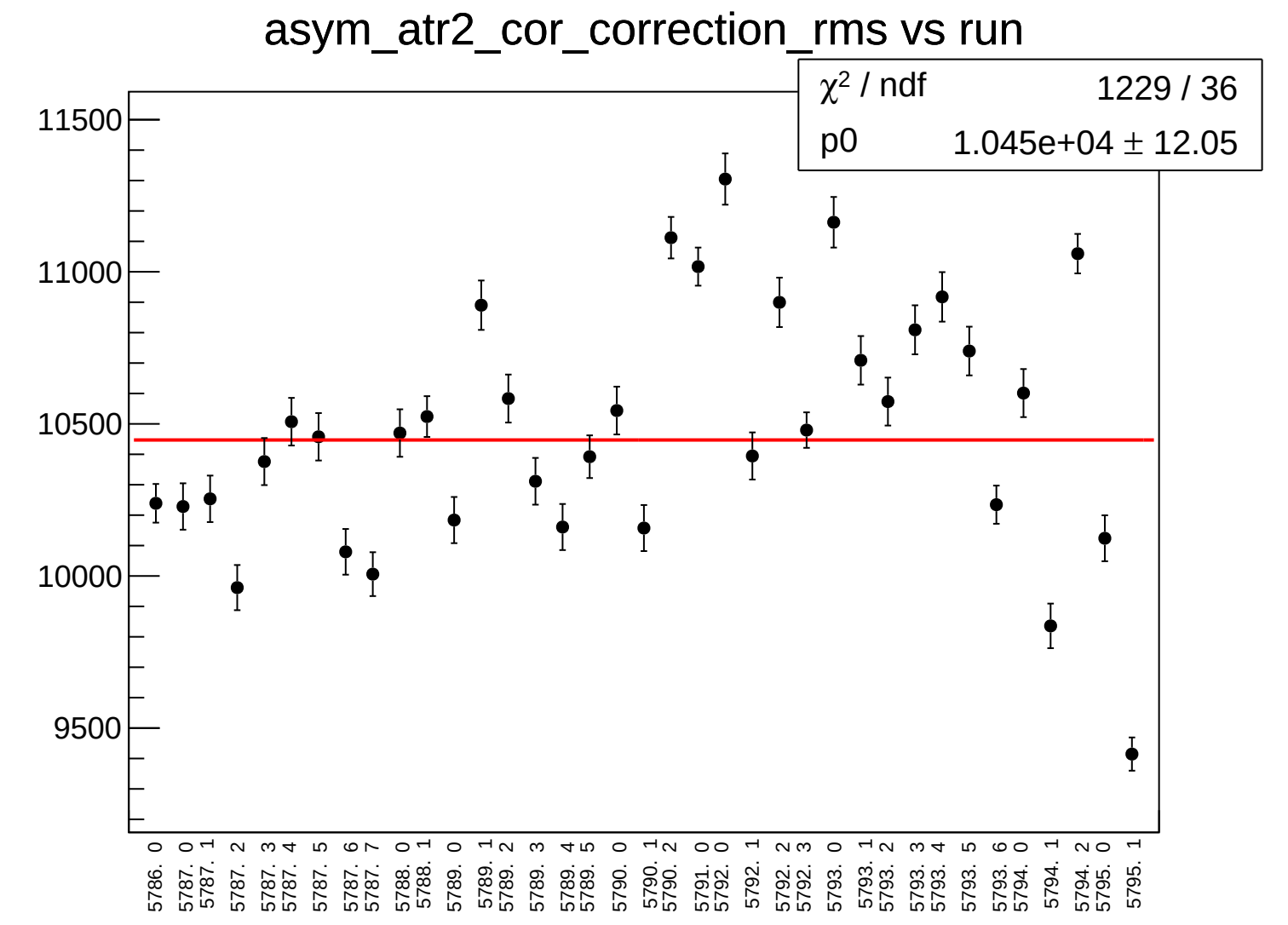
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr2_cor_correction_mean vs run
×10^3
χ² / ndf 36.15 / 36
p0 −2.85e+04 ± 1.704e+04
pull
Entries 37
Mean 19.48
Std Dev 0


pull1D
Entries 37
Mean −0.01522
Std Dev 0.9884


asym_atr2_cor_correction_rms vs run
χ² / ndf 1229 / 36
p0 1.045e+04 ± 12.05
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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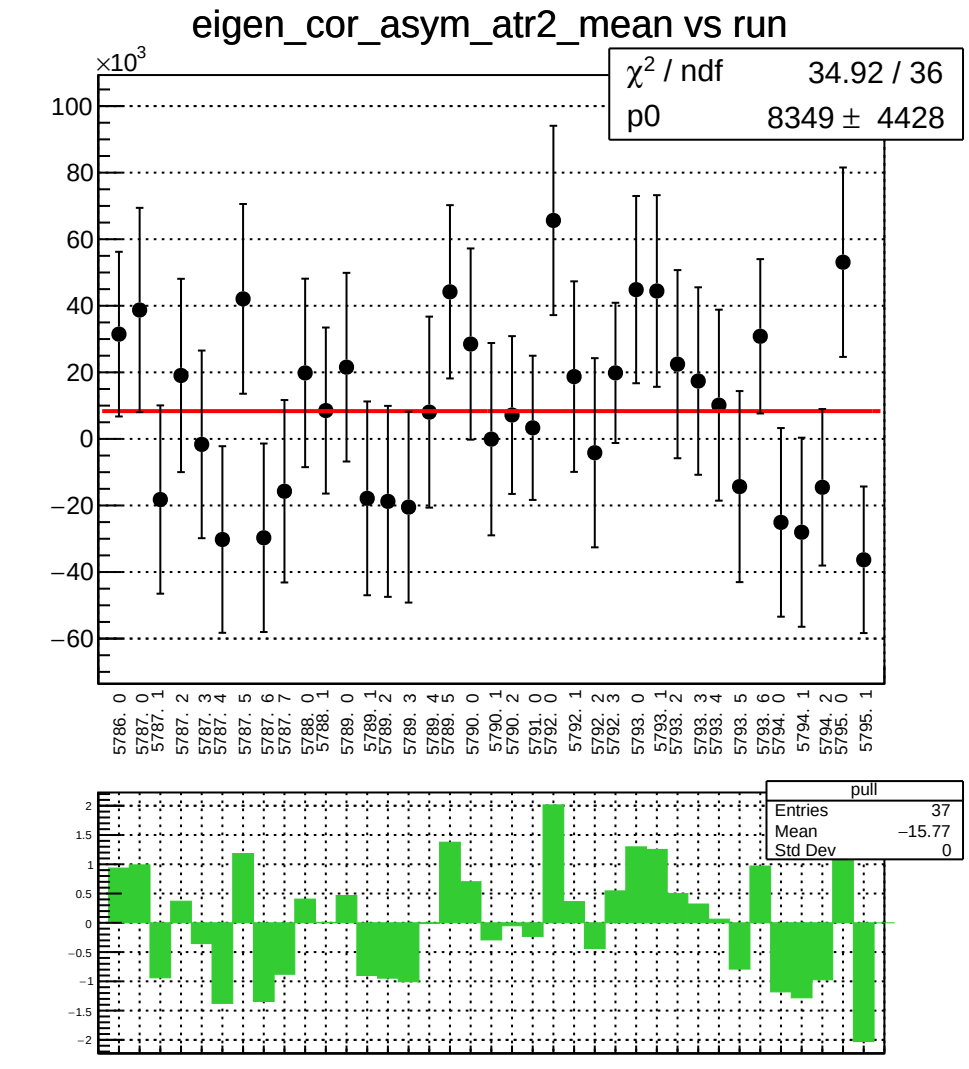
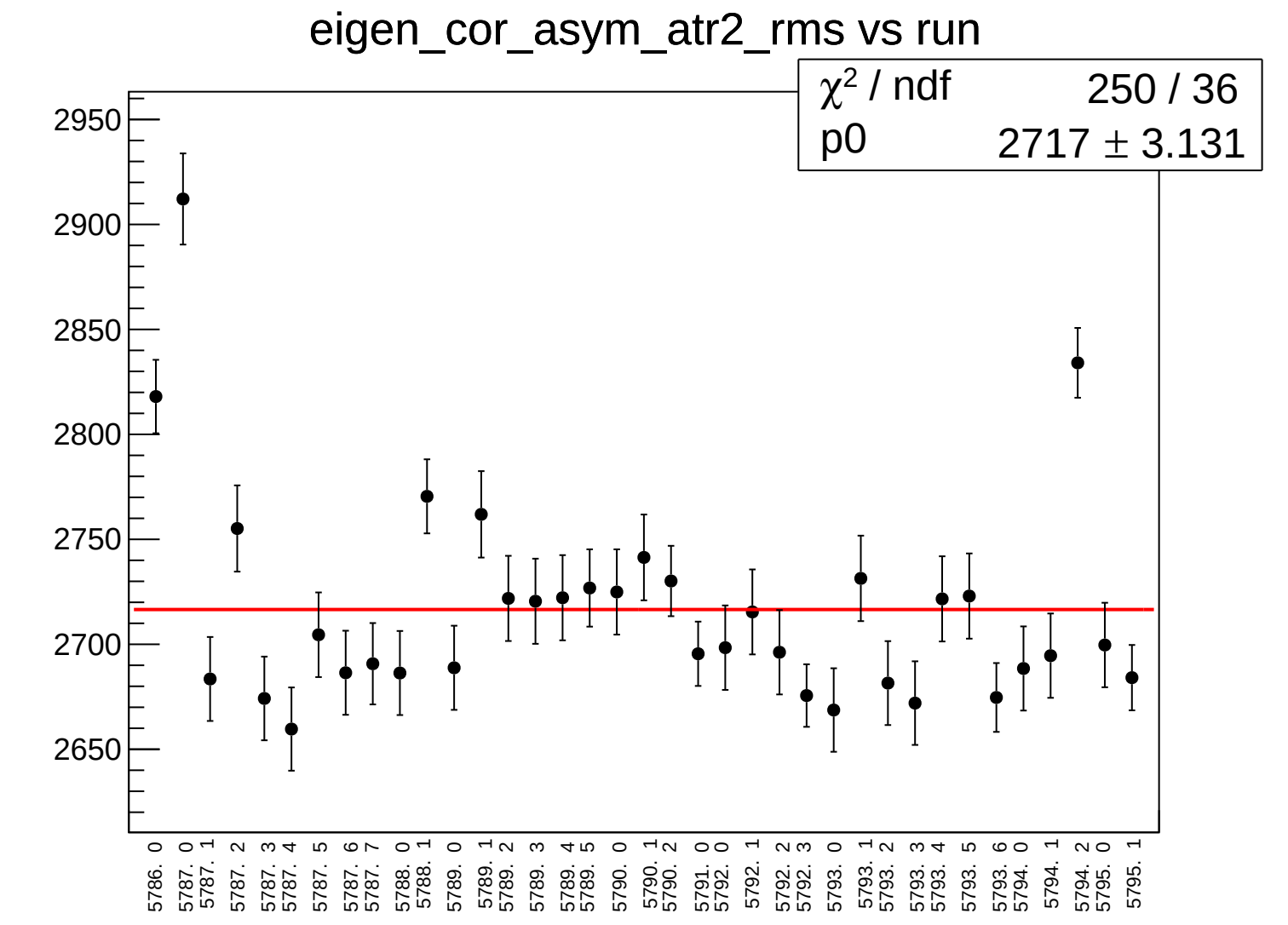
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atr2_mean vs run
×10^3
χ^2 / ndf 34.92 / 36
p0 8349 ± 4428
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.008359
Std Dev 0.9714
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr2_rms vs run
χ² / ndf 250 / 36
p0 2717 ± 3.131
2950
2900
2850
2800
2750
2700
2650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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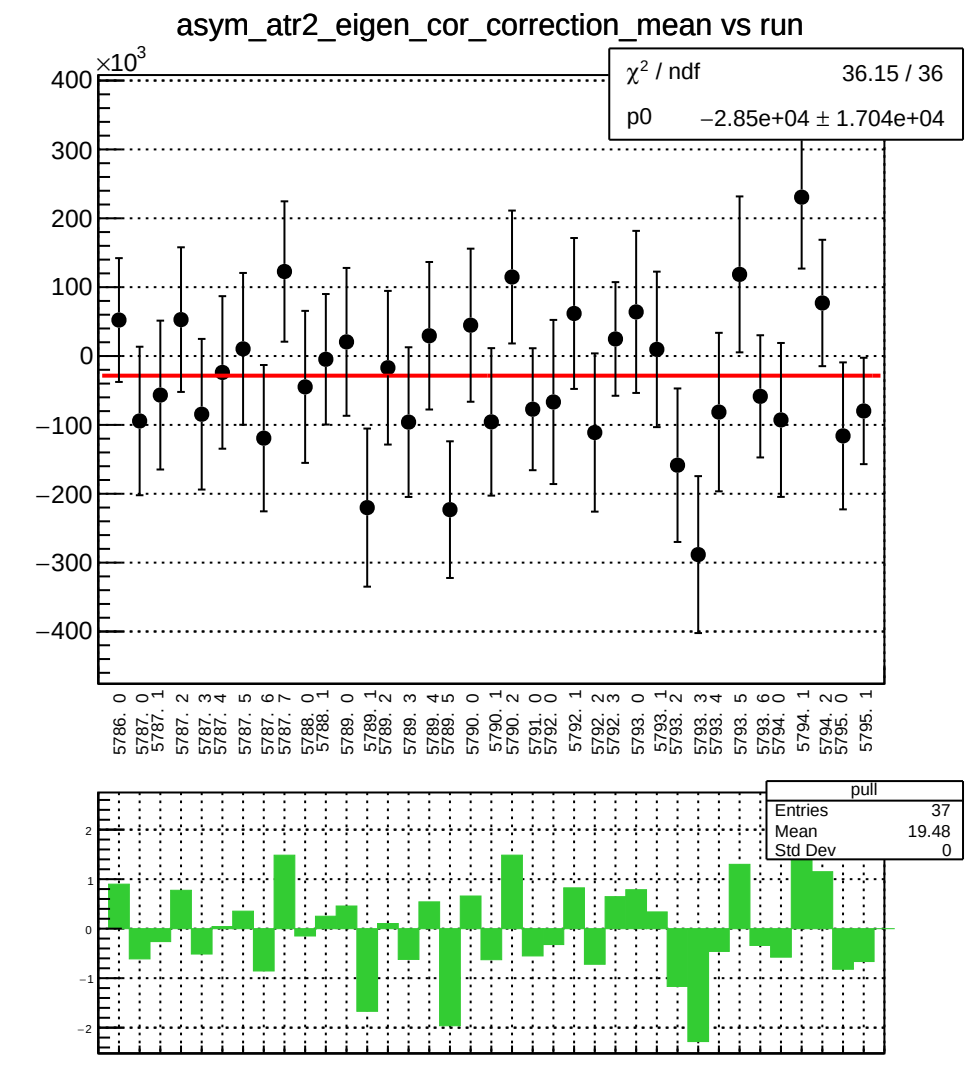
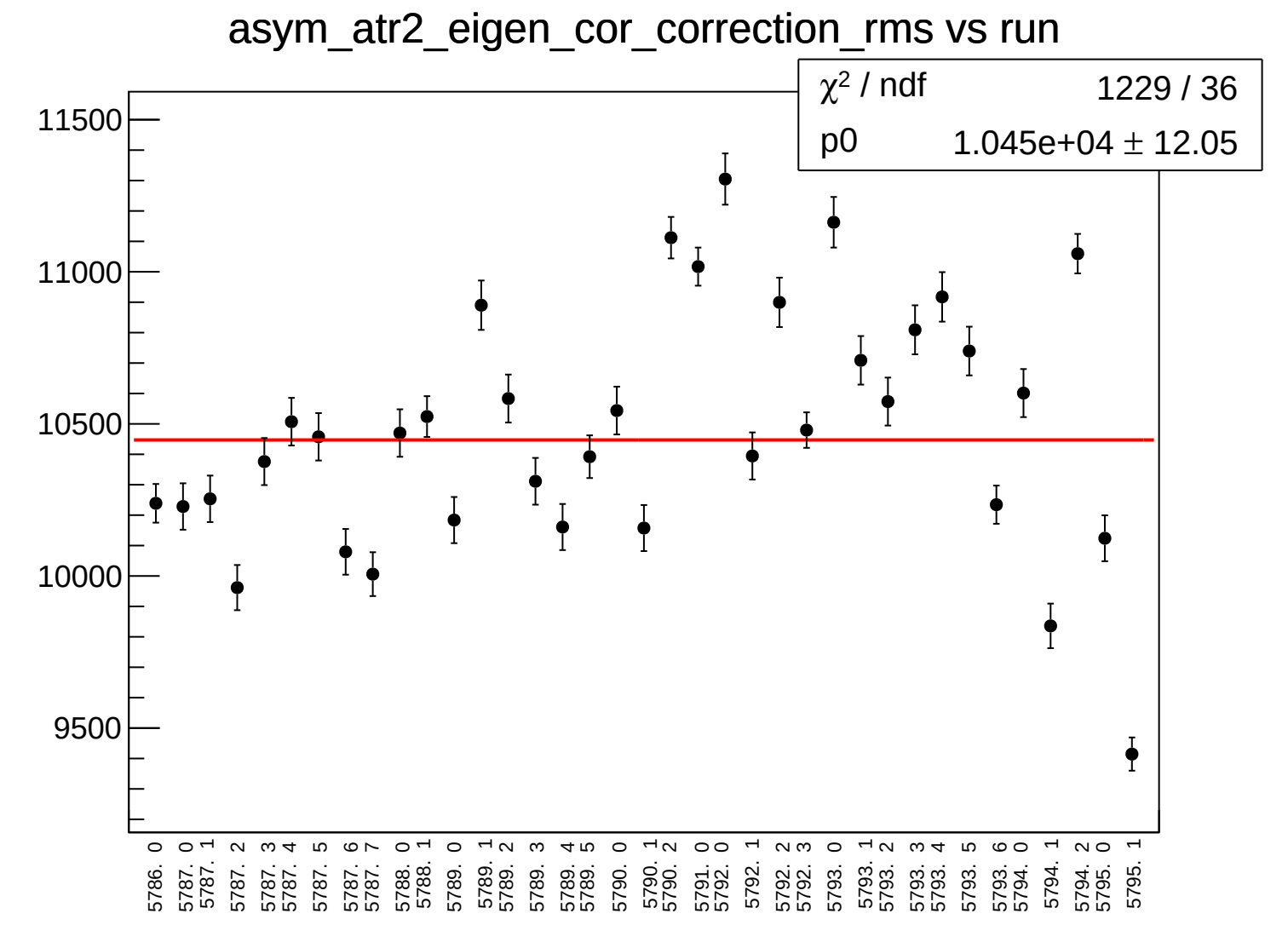
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.15 / 36
p0 −2.85e+04 ± 1.704e+04
400
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 19.48
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01522
Std Dev 0.9884
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_cor_correction_rms vs run
χ² / ndf 1229 / 36
p0 1.045e+04 ± 12.05
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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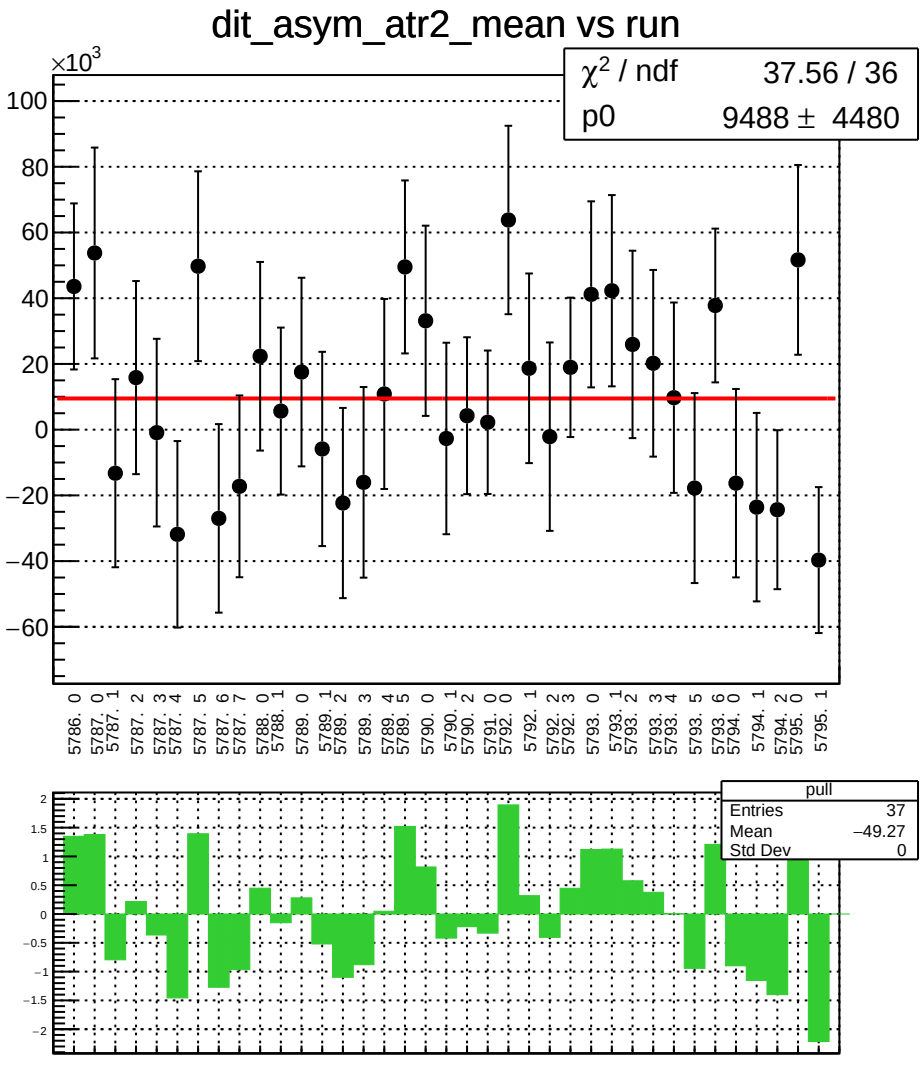
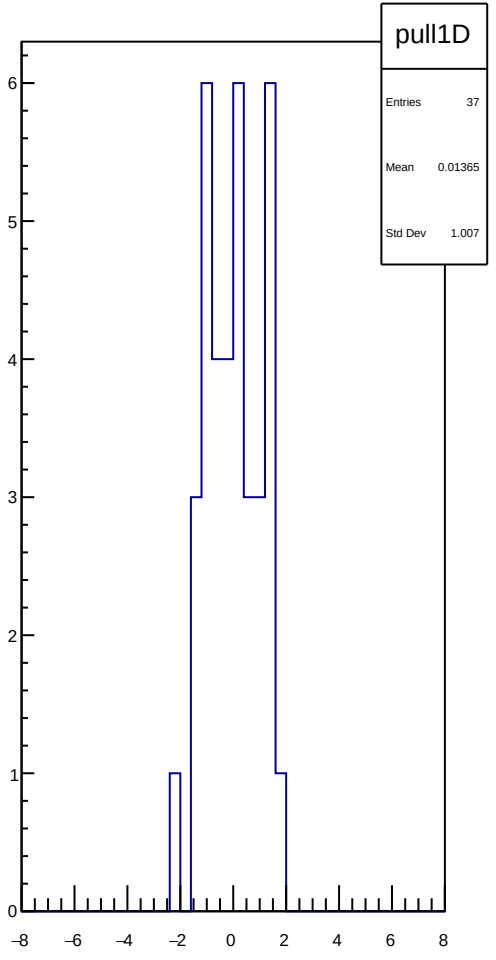
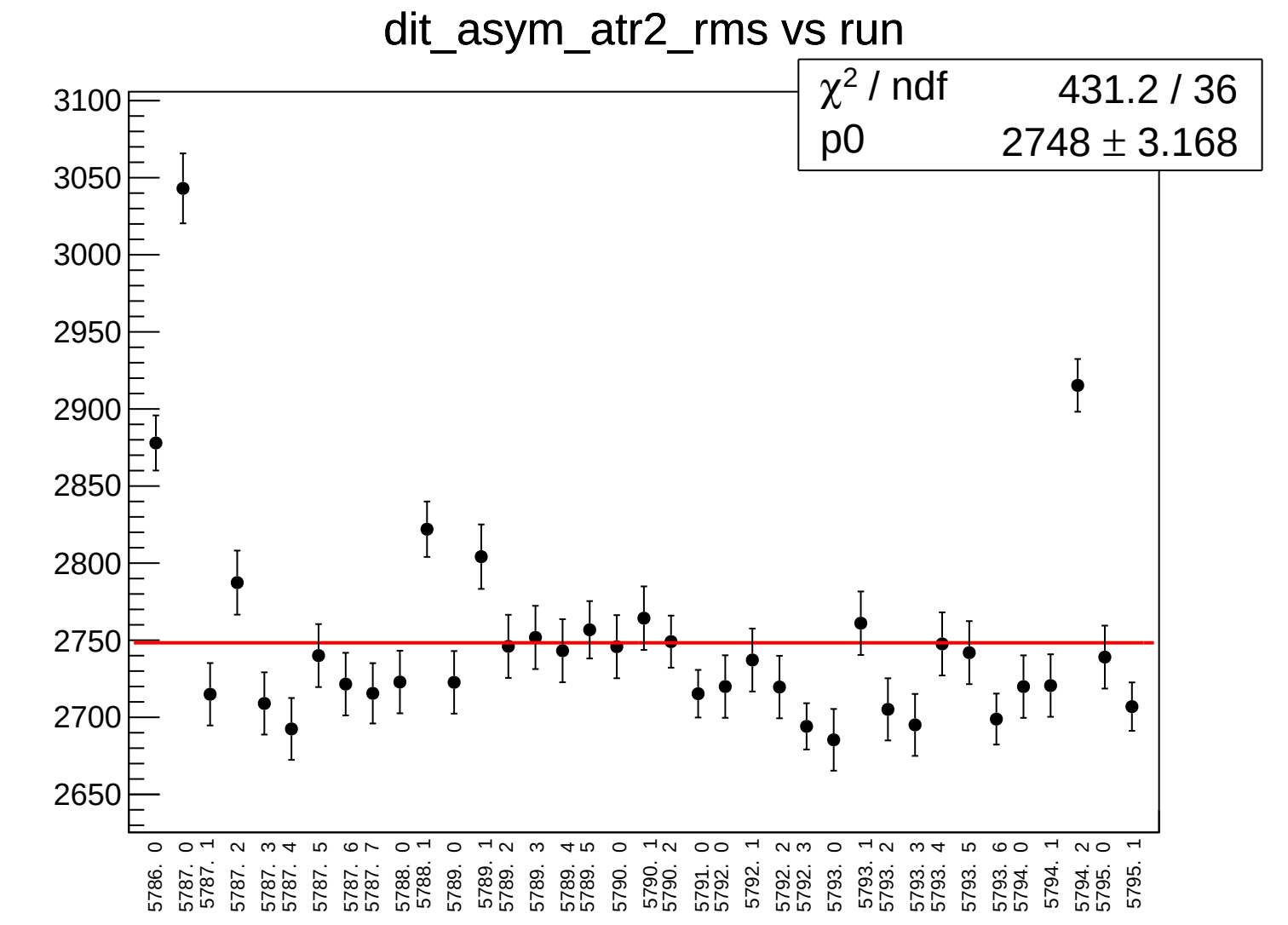
5795. 0
5795. 1


dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 37.56 / 36
p0 9488 ± 4480
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.01365
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr2_rms vs run
χ^2 / ndf 431.2 / 36
p0 2748 ± 3.168
3100
3050
3000
2950
2900
2850
2800
2750
2700
2650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 4
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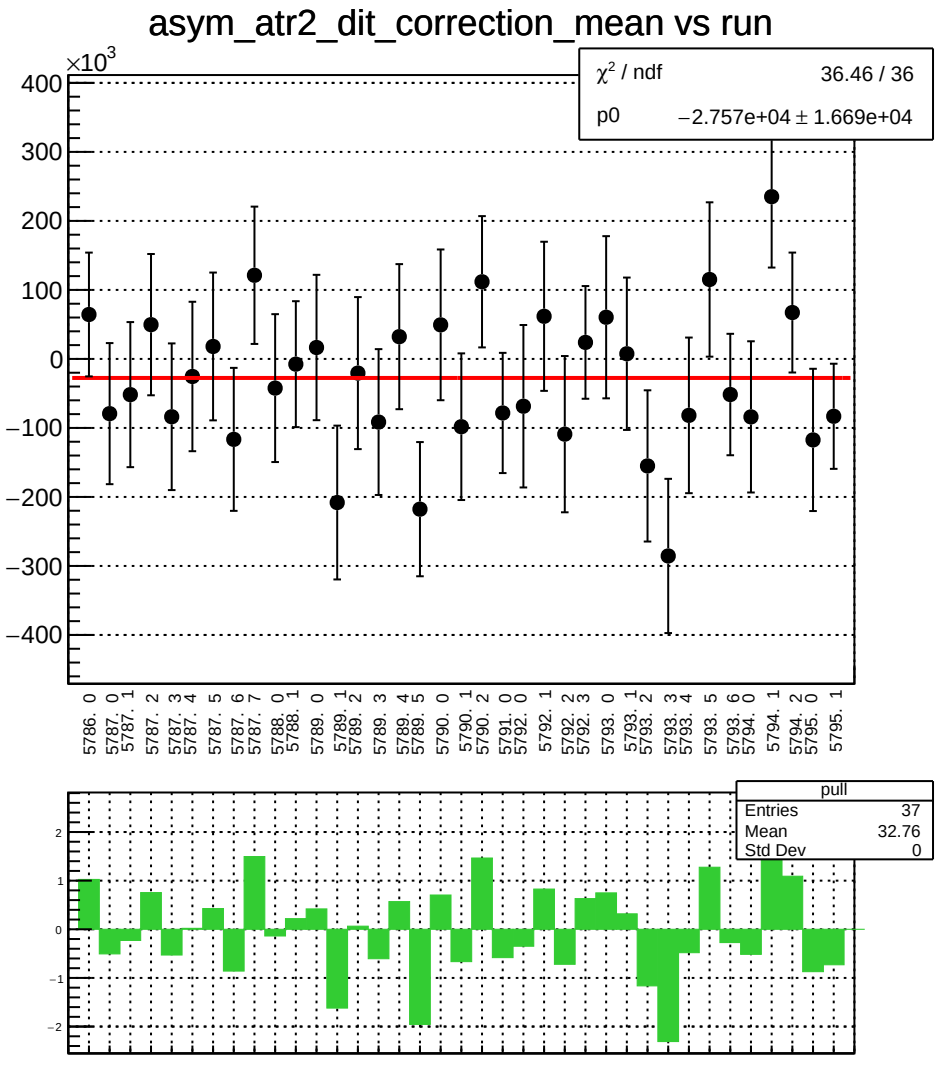
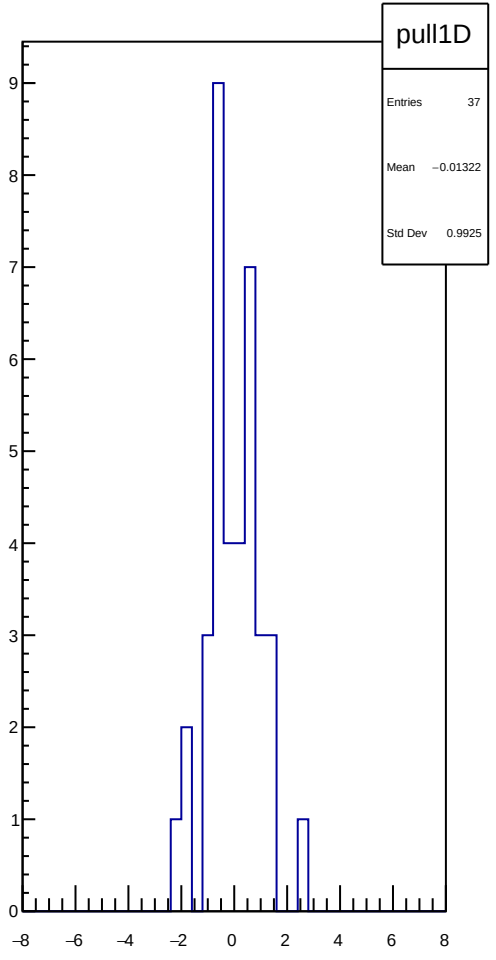
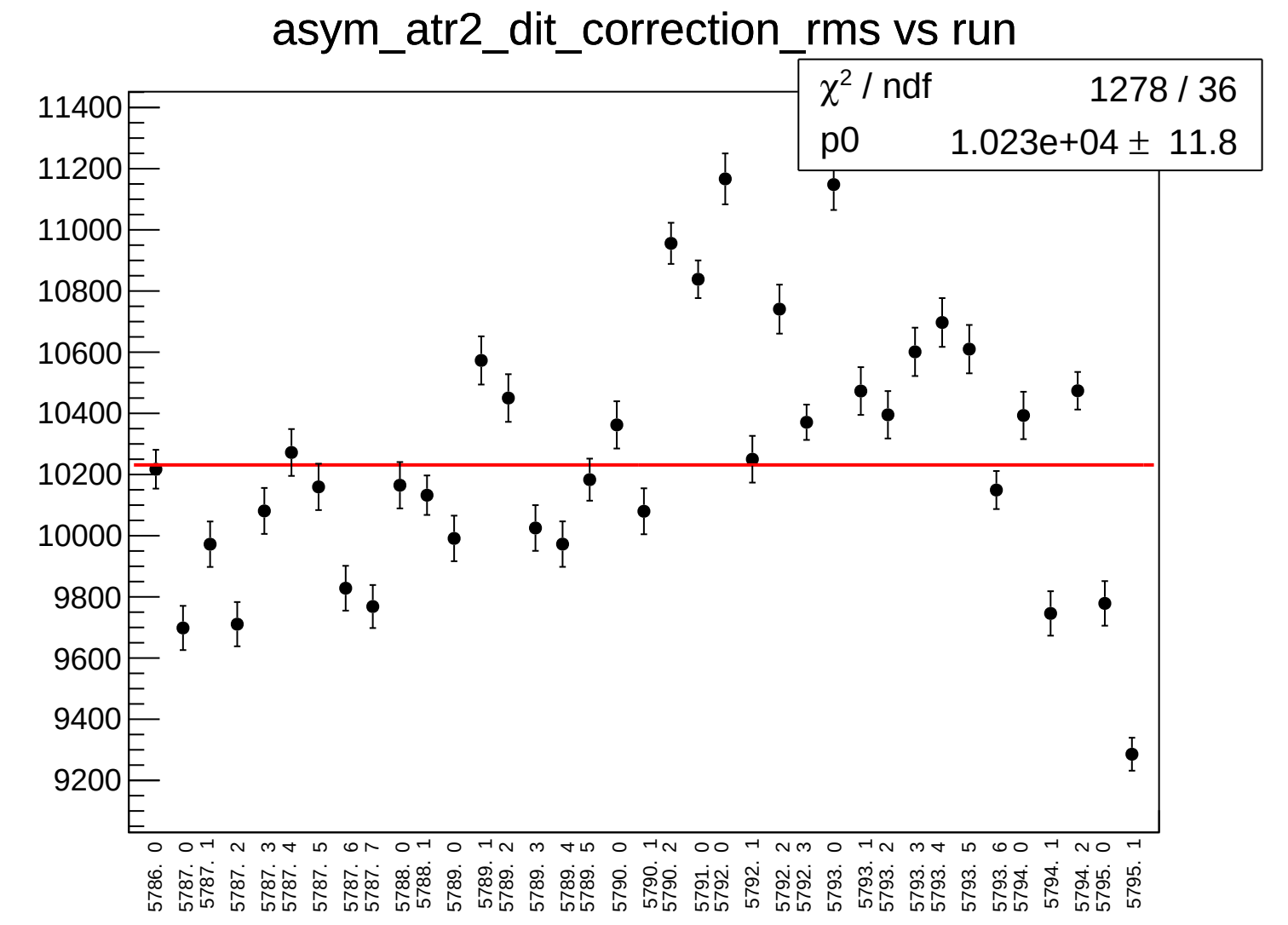
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr2_dit_correction_mean vs run
×10^3
χ² / ndf 36.46 / 36
p0 −2.757e+04 ± 1.669e+04
pull
Entries 37
Mean 32.76
Std Dev 0


pull1D
Entries 37
Mean −0.01322
Std Dev 0.9925


asym_atr2_dit_correction_rms vs run
χ² / ndf 1278 / 36
p0 1.023e+04 ± 11.8
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
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5791. 0
5792. 0
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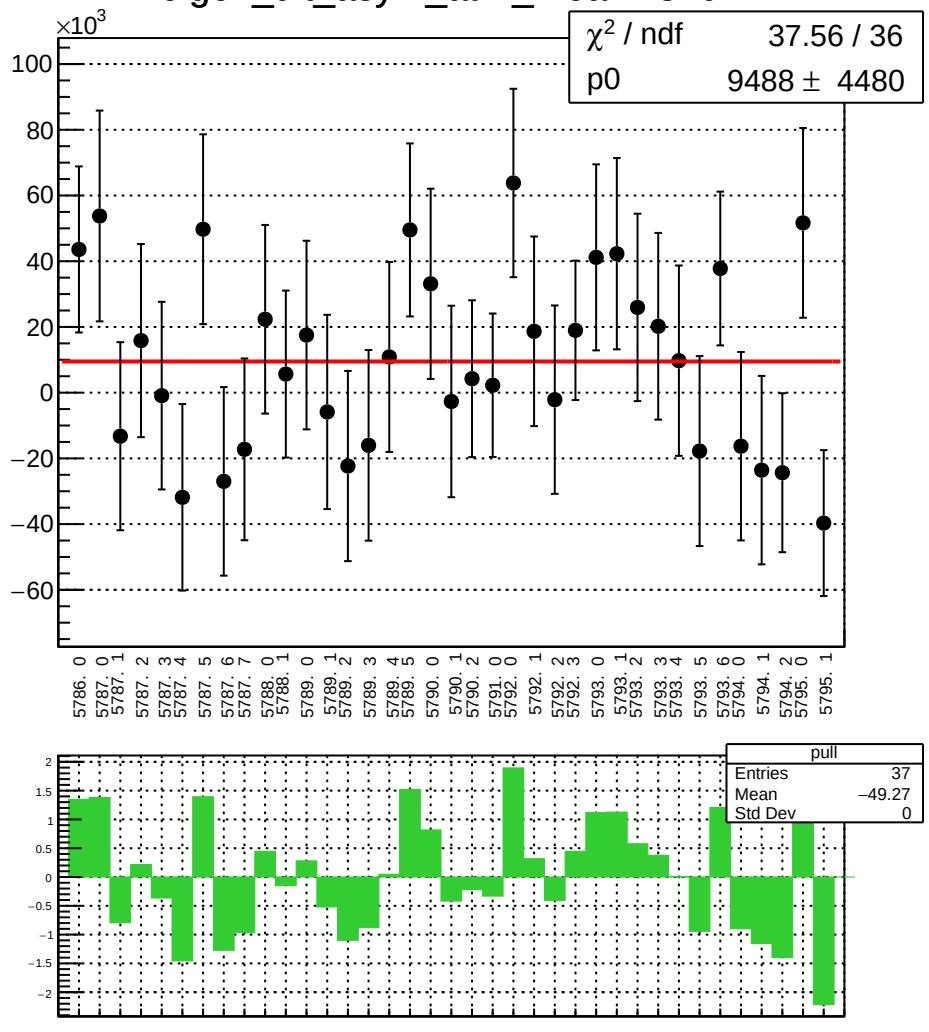
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_atr2_mean vs run
×10^3
χ^2 / ndf 37.56 / 36
p0 9488 ± 4480
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
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5787. 7
5788. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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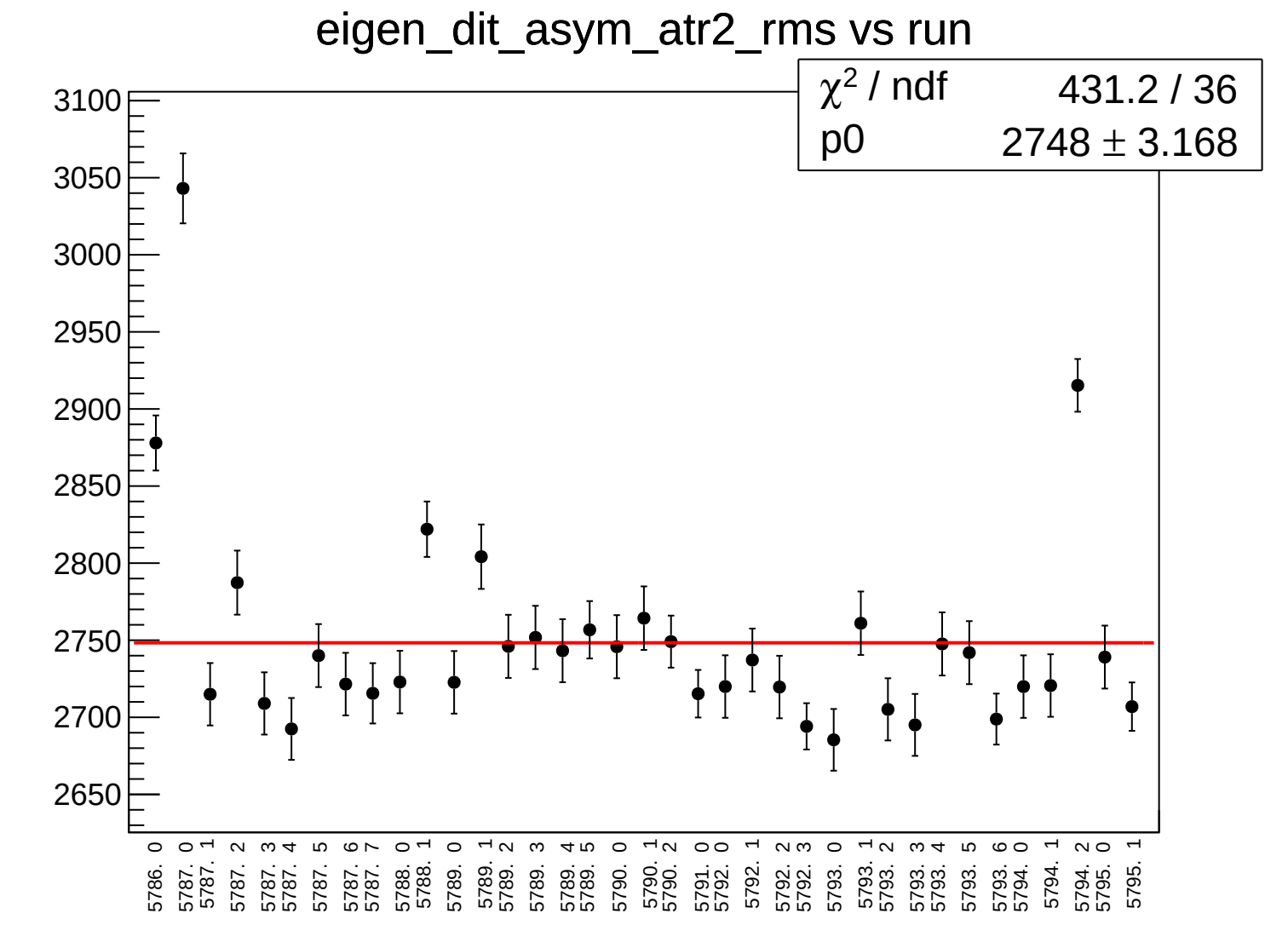
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01365
Std Dev 1.007
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atr2_rms vs run
χ² / ndf 431.2 / 36
p0 2748 ± 3.168
3100
3050
3000
2950
2900
2850
2800
2750
2700
2650
5786. 0
5787. 0
5787. 1
5787. 2
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5793. 6
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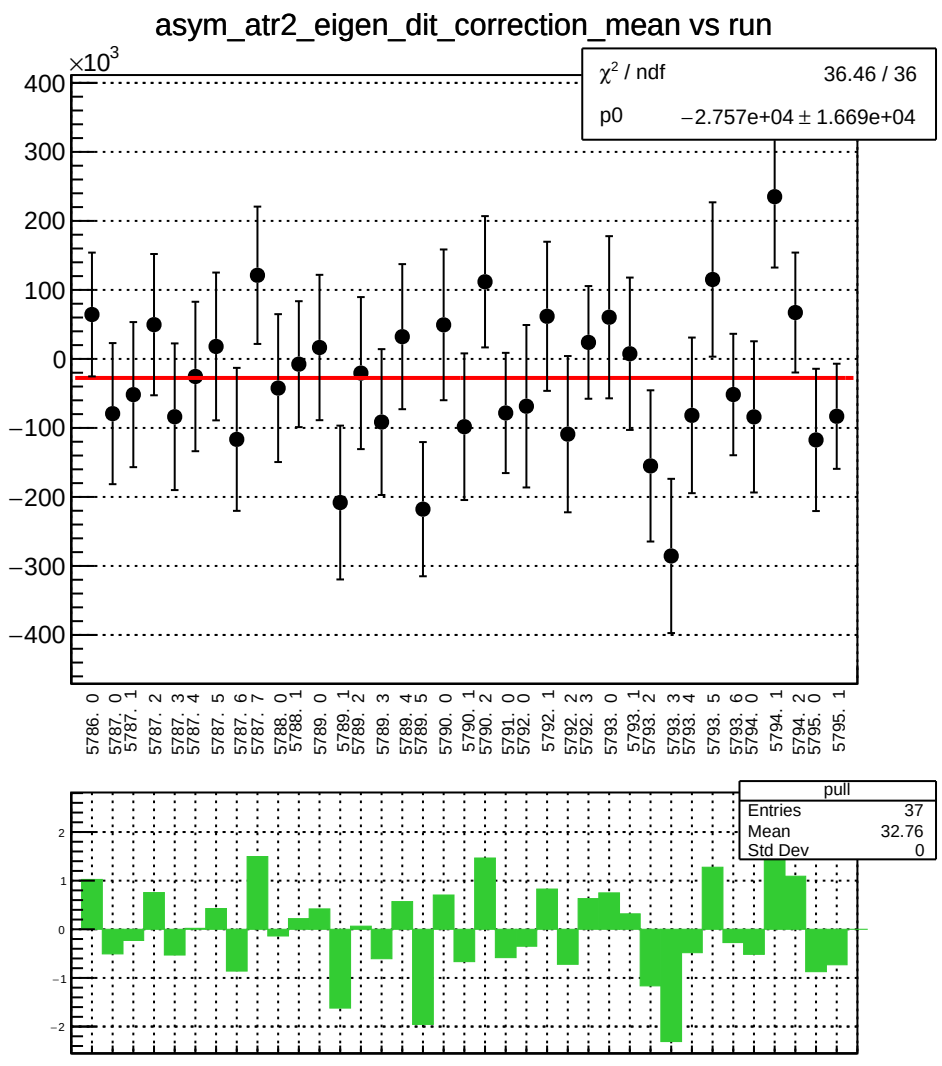
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.46 / 36
p0 −2.757e+04 ± 1.669e+04
400
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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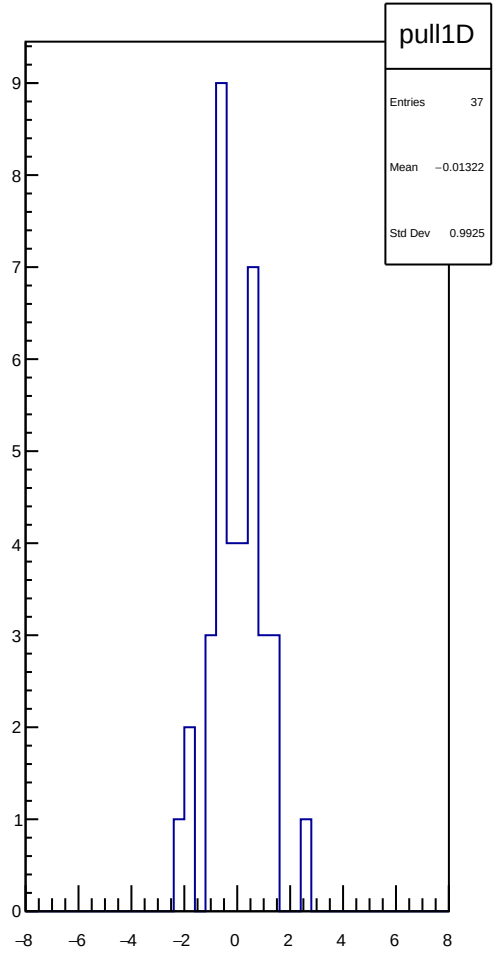
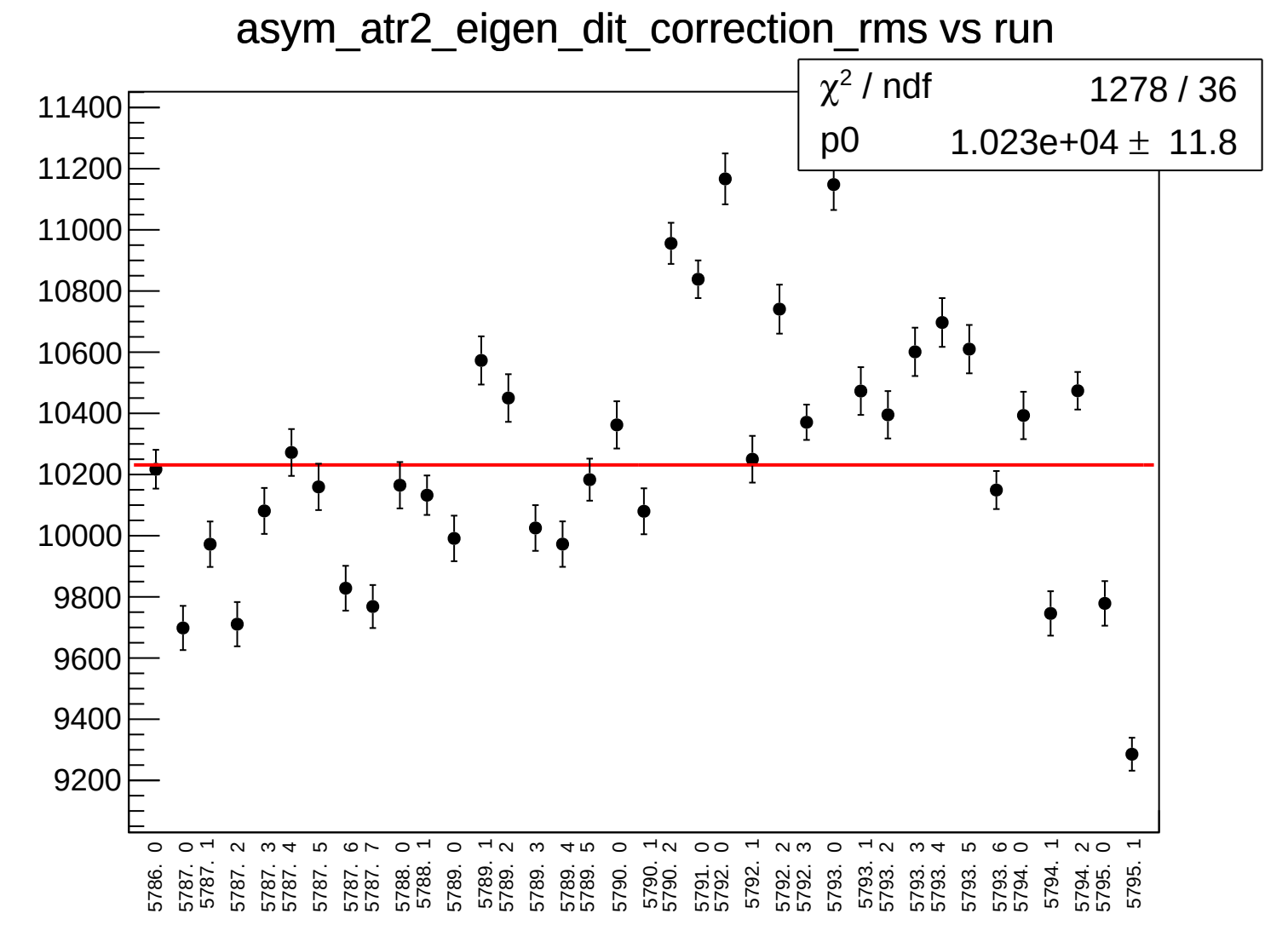
5795. 0
5795. 1
pull
Entries 37
Mean 32.76
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01322
Std Dev 0.9925
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_dit_correction_rms vs run
χ² / ndf 1278 / 36
p0 1.023e+04 ± 11.8
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
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5787. 7
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5788. 1
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5790. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
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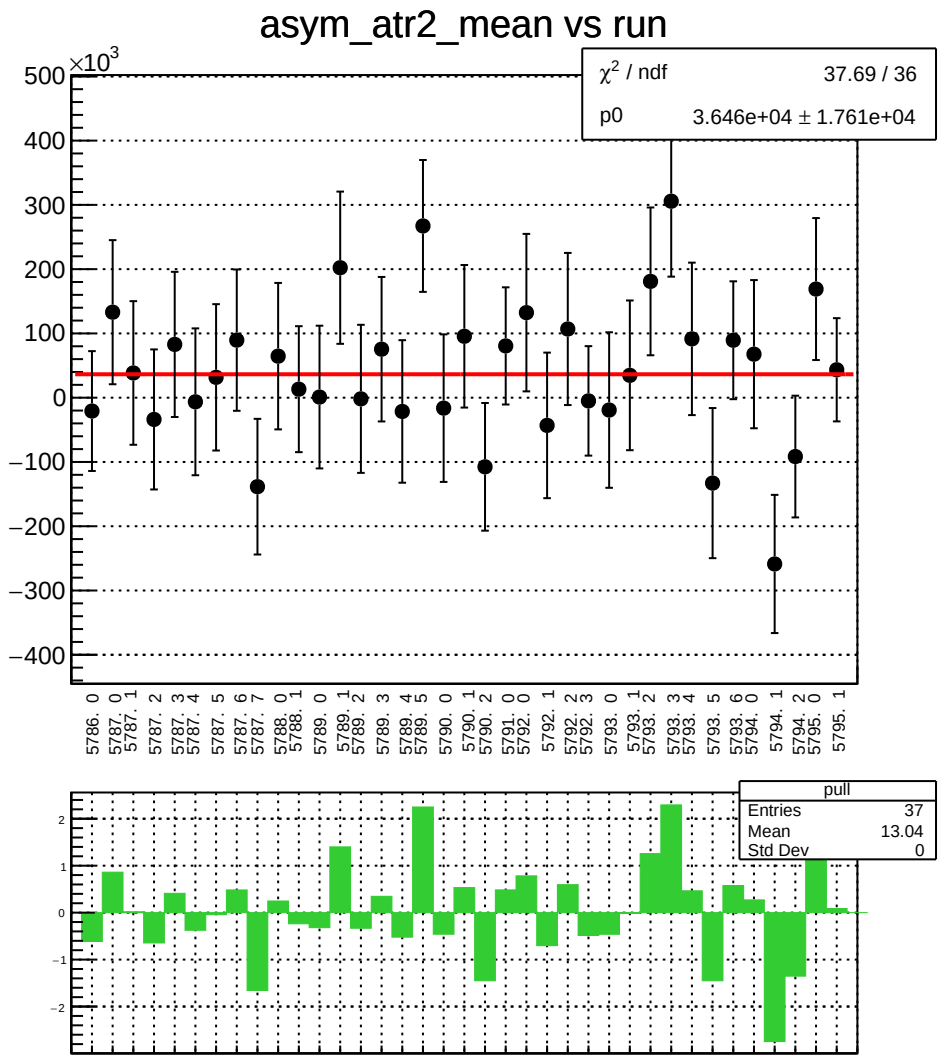
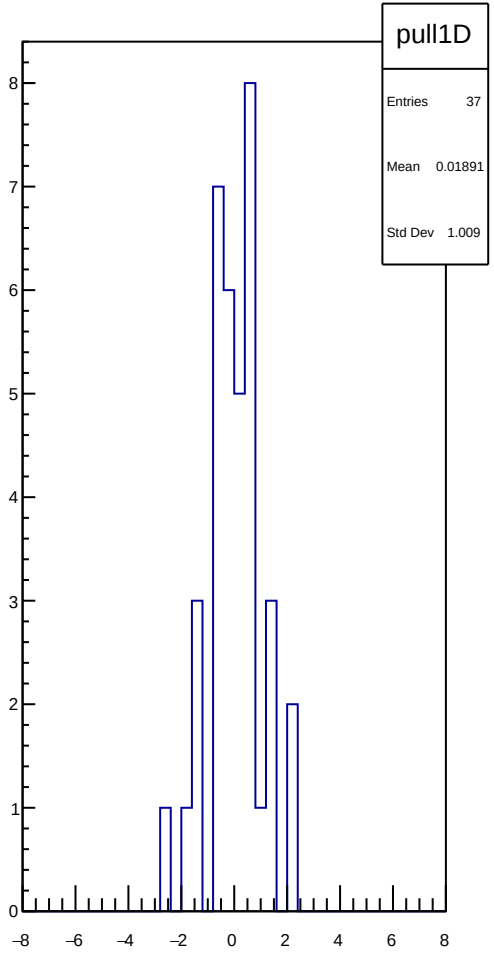
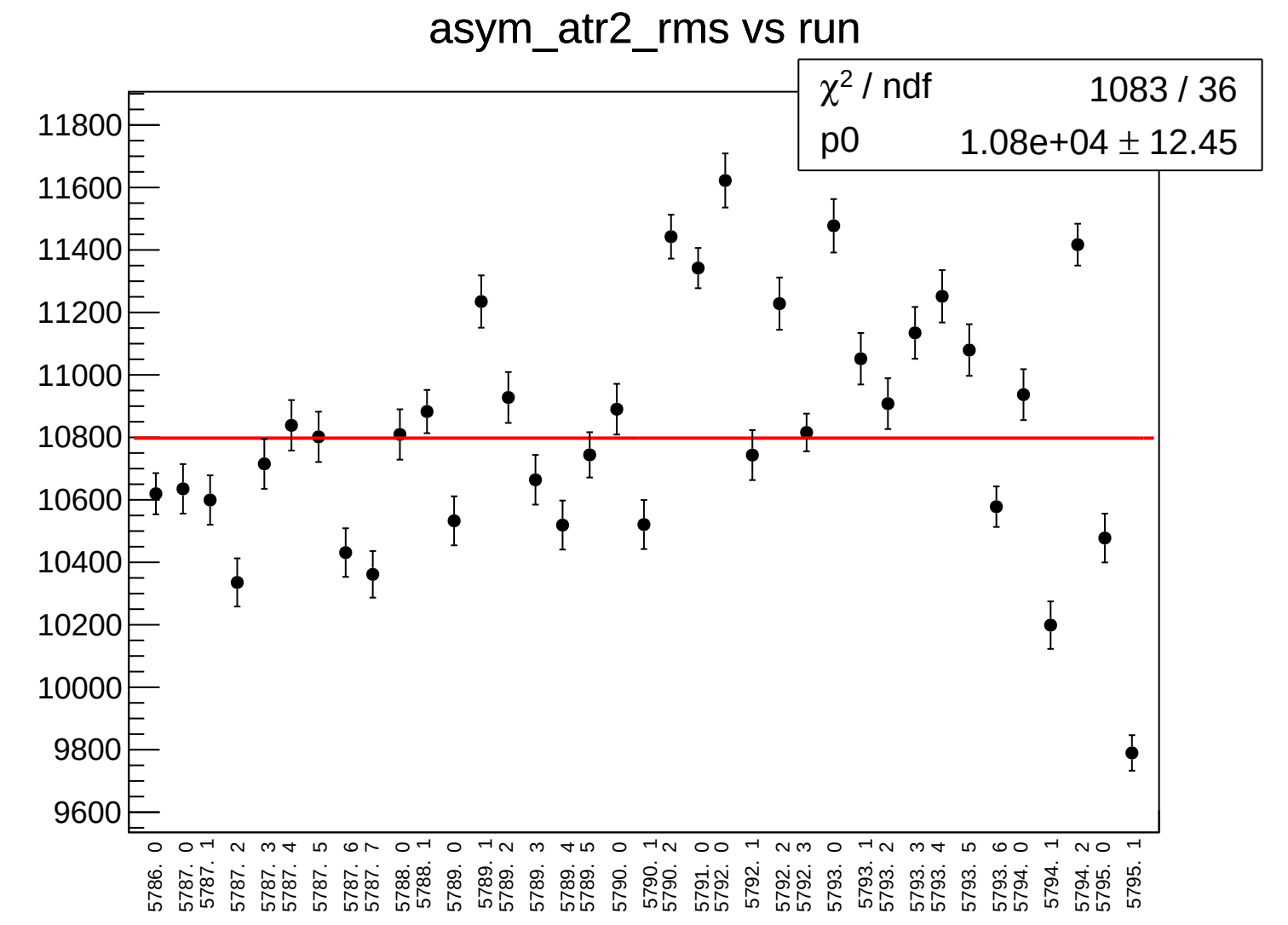
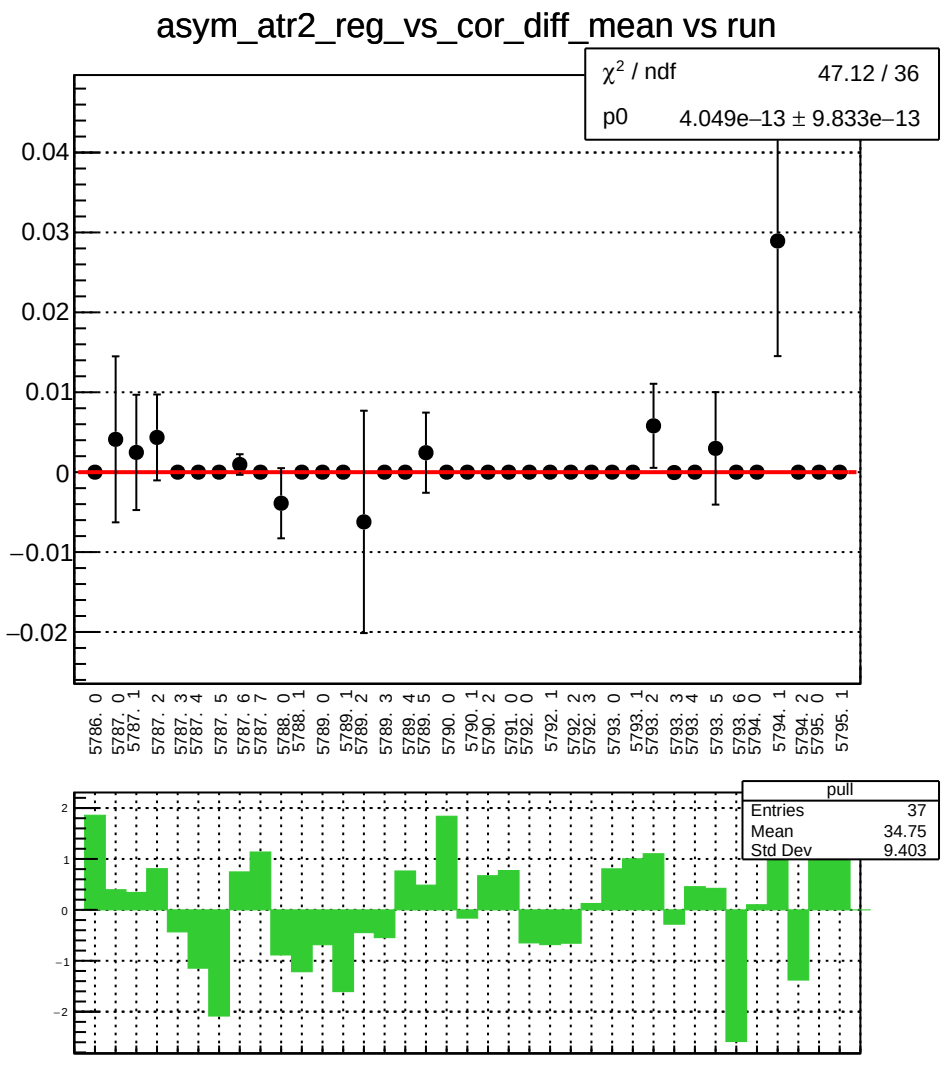
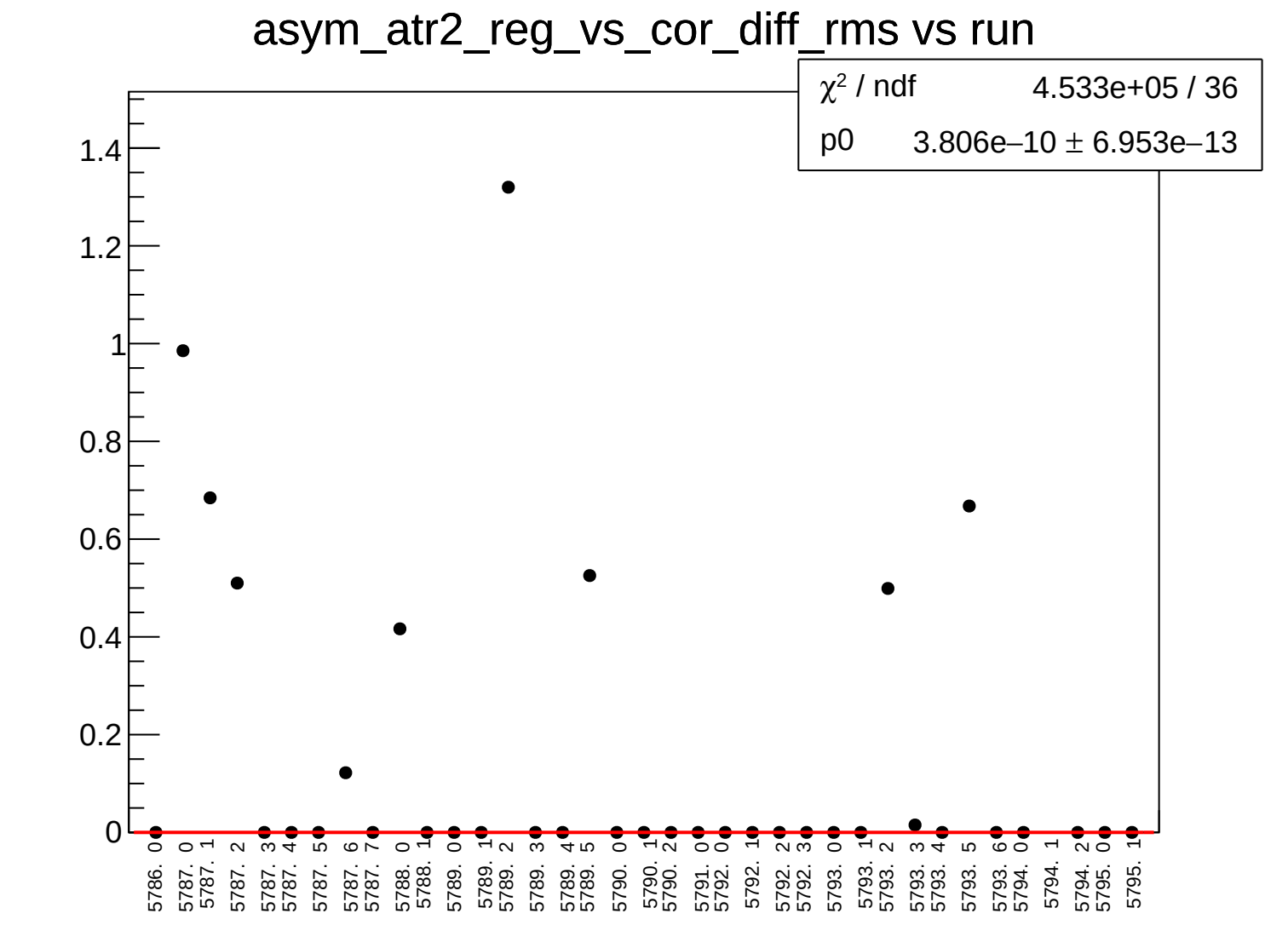
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

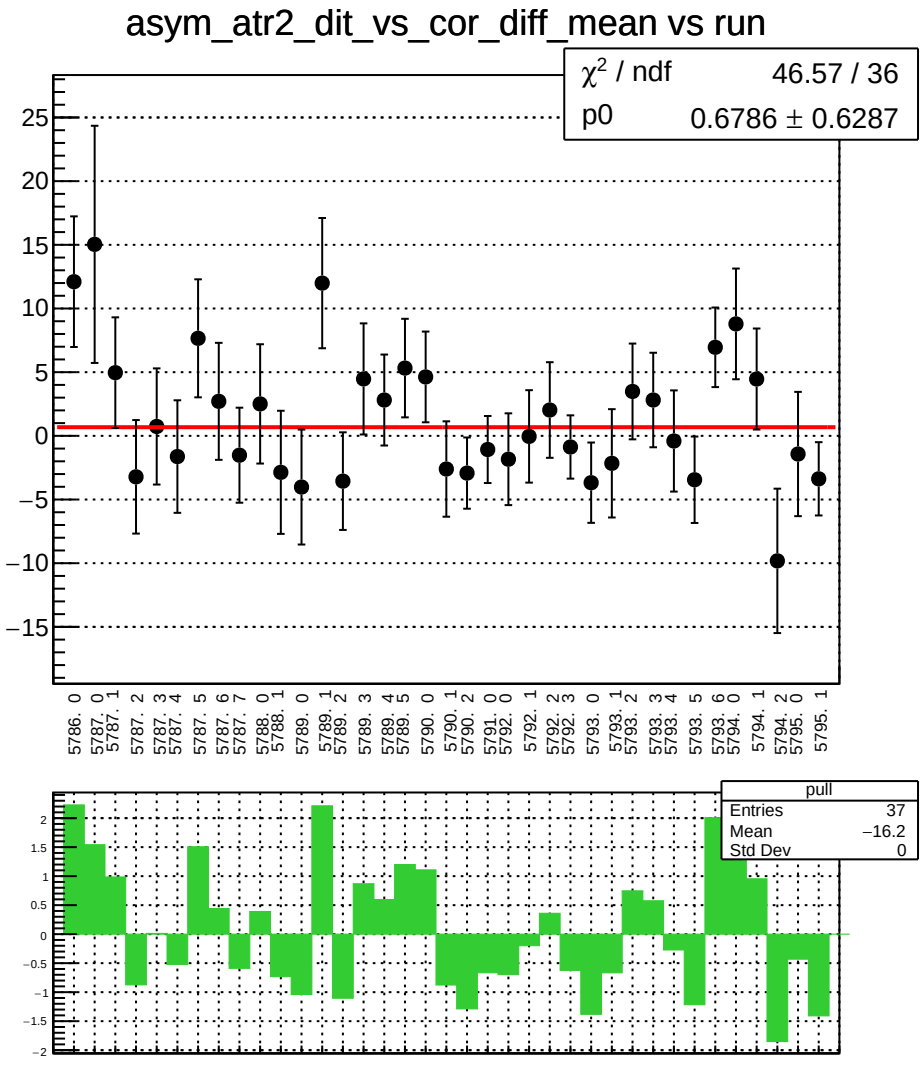

asym_atr2_mean vs run
×10^3
χ² / ndf 37.69 / 36
p0 3.646e+04 ± 1.761e+04
pull
Entries 37
Mean 13.04
Std Dev 0

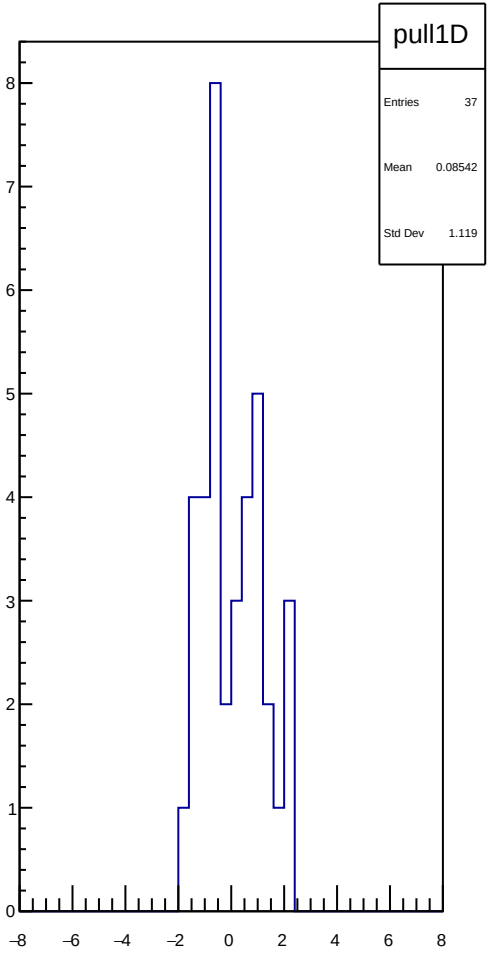

pull1D
Entries 37
Mean 0.01891
Std Dev 1.009

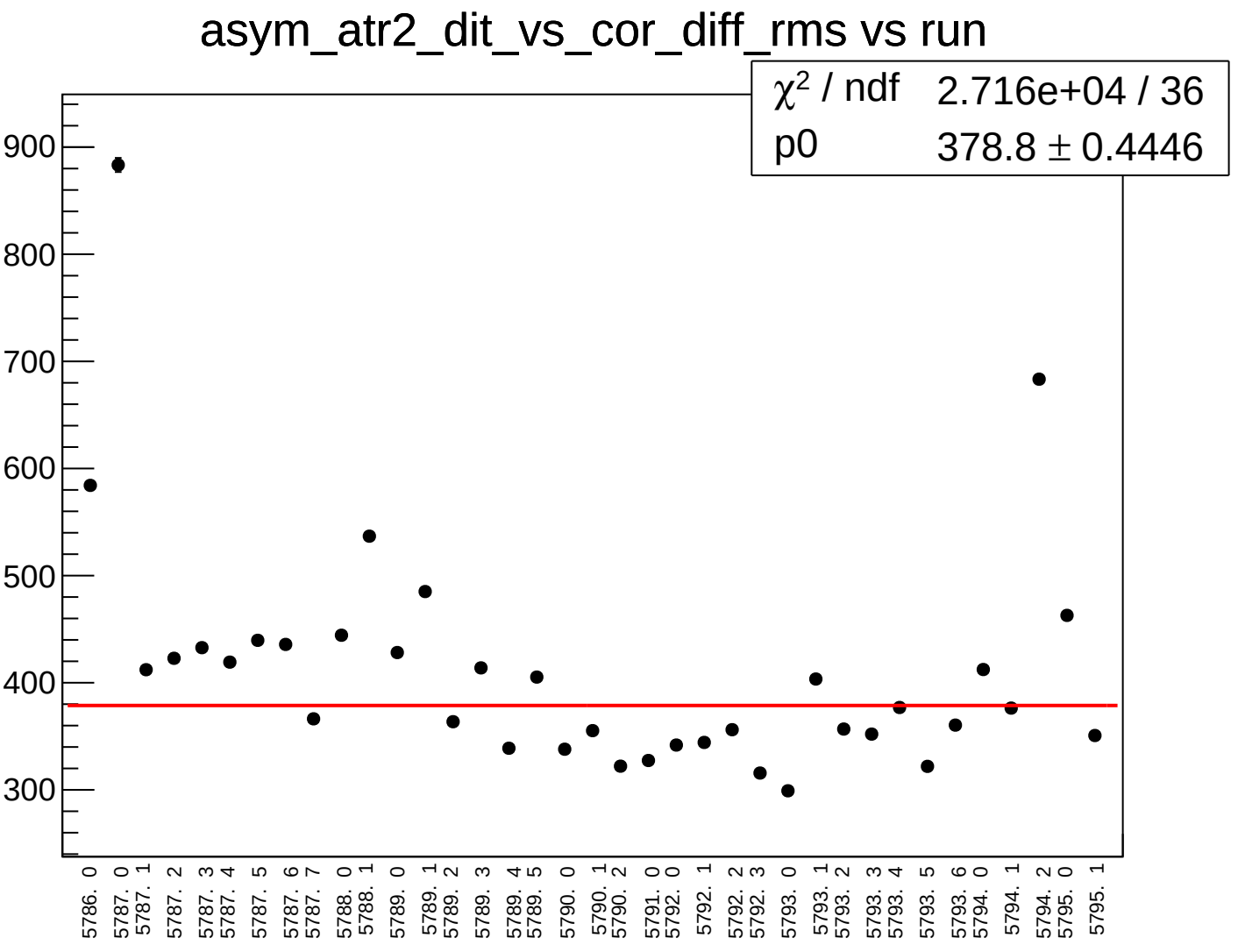

asym_atr2_rms vs run
χ² / ndf 1083 / 36
p0 1.08e+04 ± 12.45
11800
11600
11400
11200
11000
10800
10600
10400
10200
10000
9800
9600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

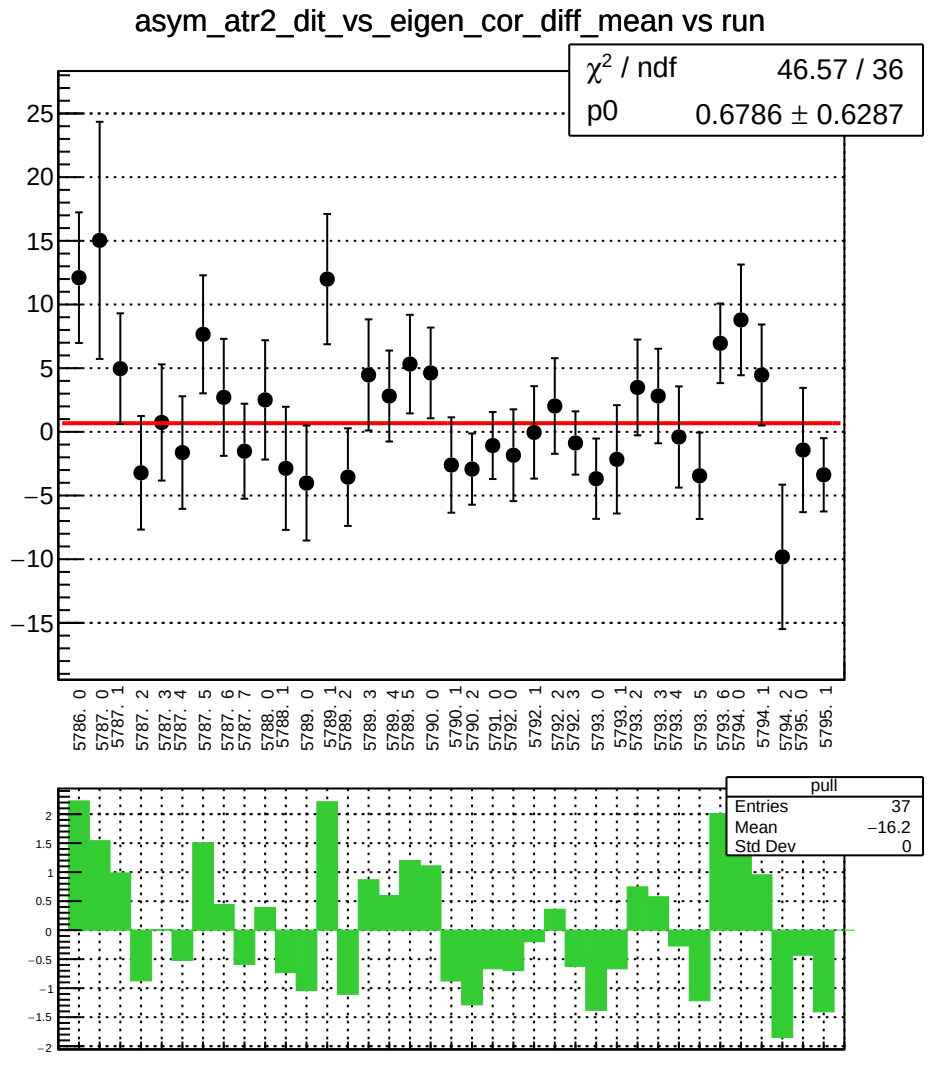

asym_atr2_reg_vs_cor_diff_mean vs run
χ² / ndf 47.12 / 36
p0 4.049e−13 ± 9.833e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 34.75
Std Dev 9.403
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1087
Std Dev 1.123
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

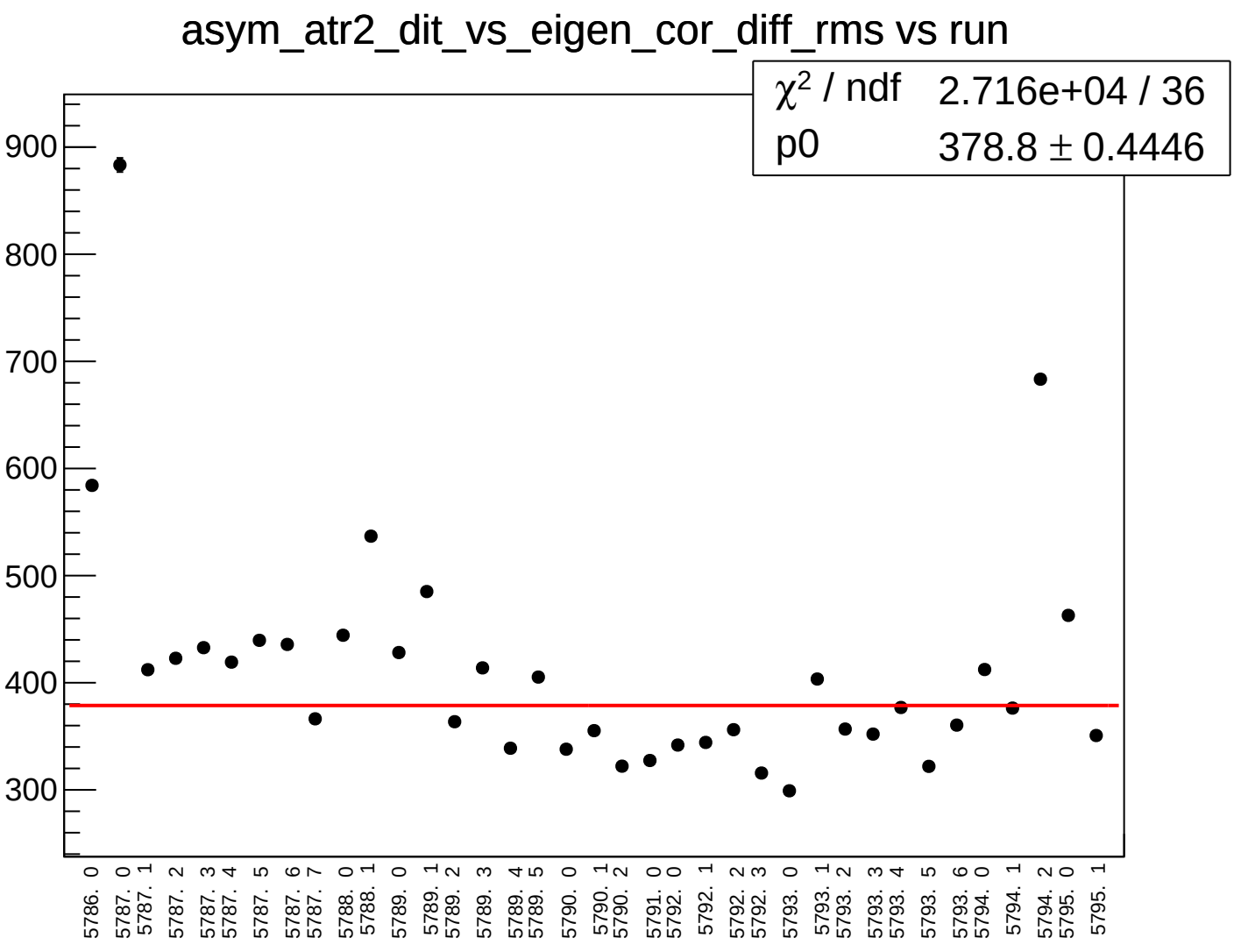

asym_atr2_reg_vs_cor_diff_rms vs run
χ² / ndf 4.533e+05 / 36
p0 3.806e−10 ± 6.953e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

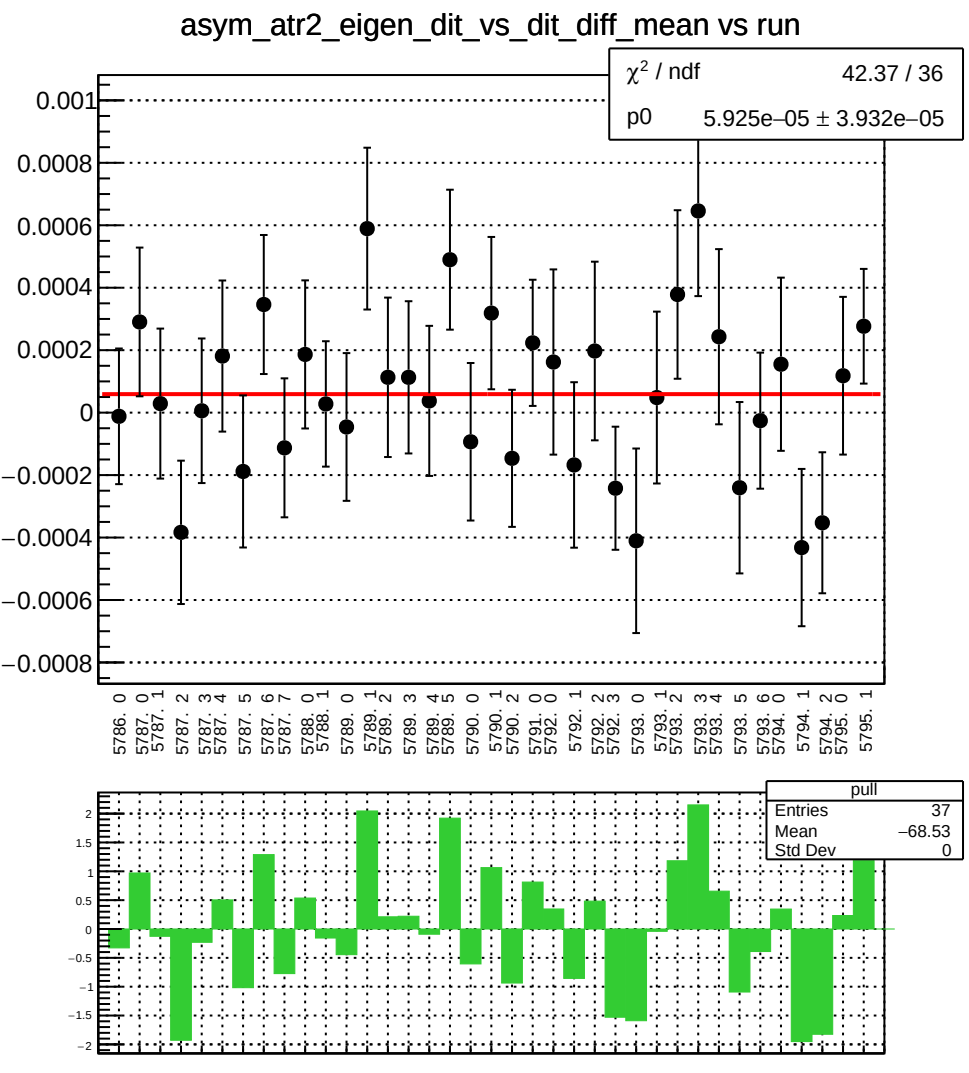

asym_atr2_dit_vs_cor_diff_mean vs run
χ² / ndf 46.57 / 36
p0 0.6786 ± 0.6287
pull
Entries 37
Mean −16.2
Std Dev 0

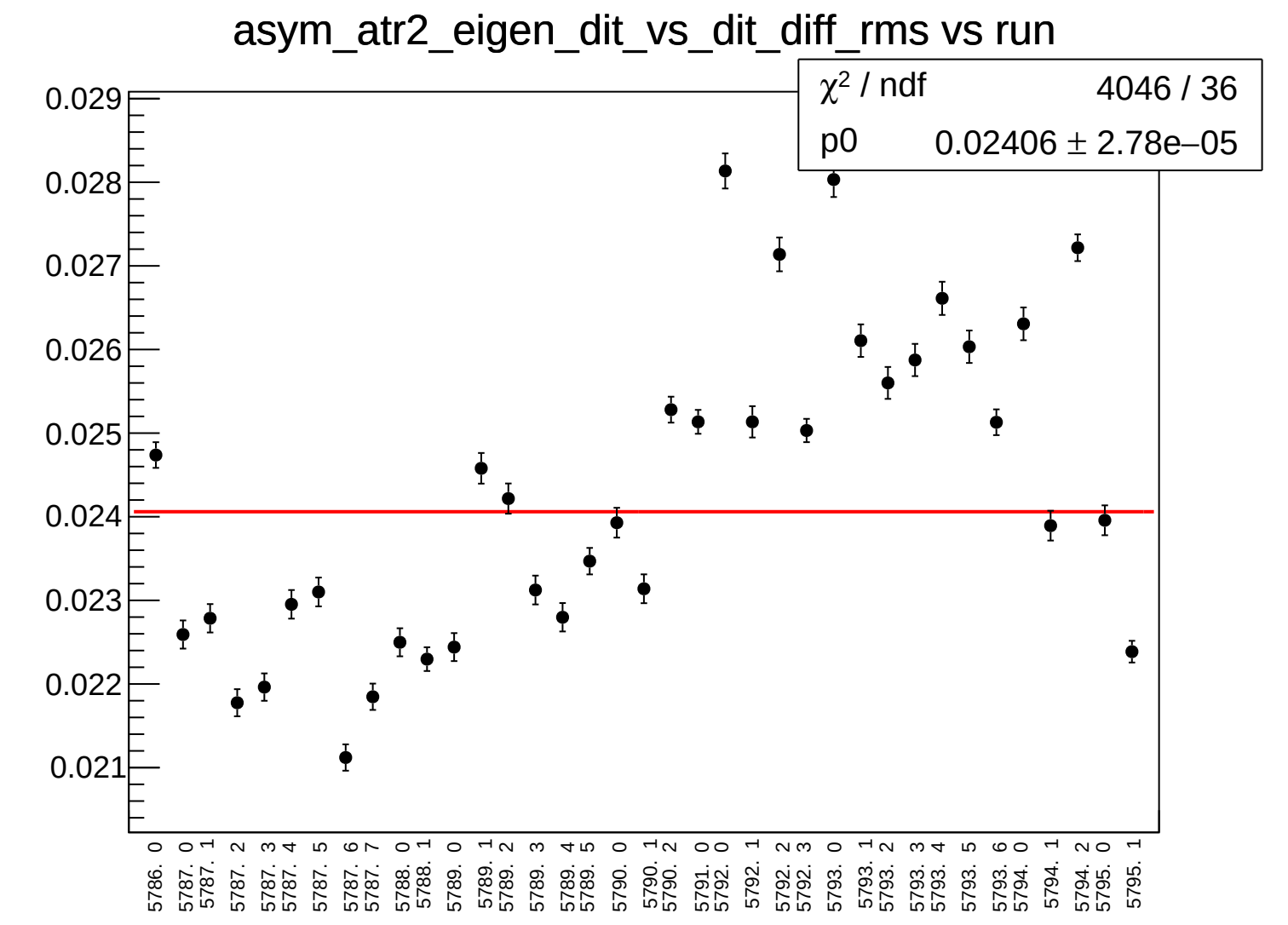

pull1D
Entries 37
Mean 0.08542
Std Dev 1.119

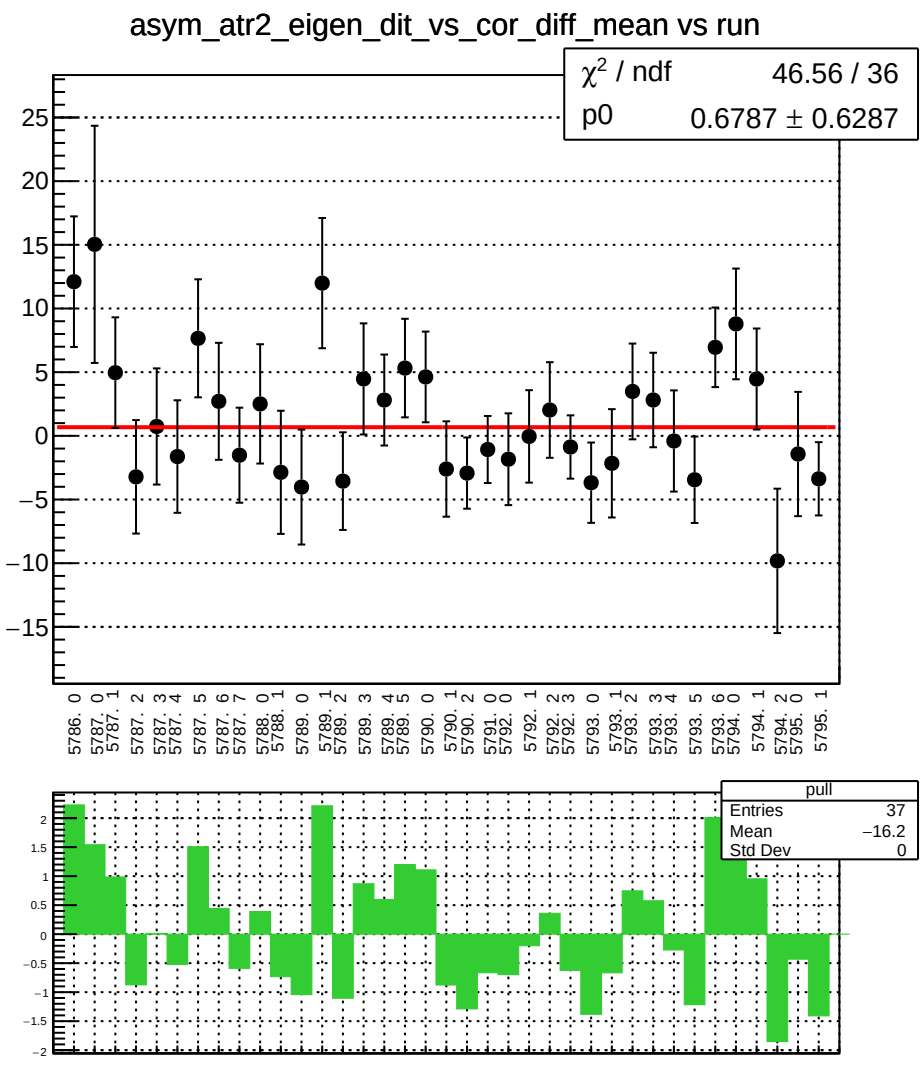

asym_atr2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.716e+04 / 36
p0 378.8 ± 0.4446
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

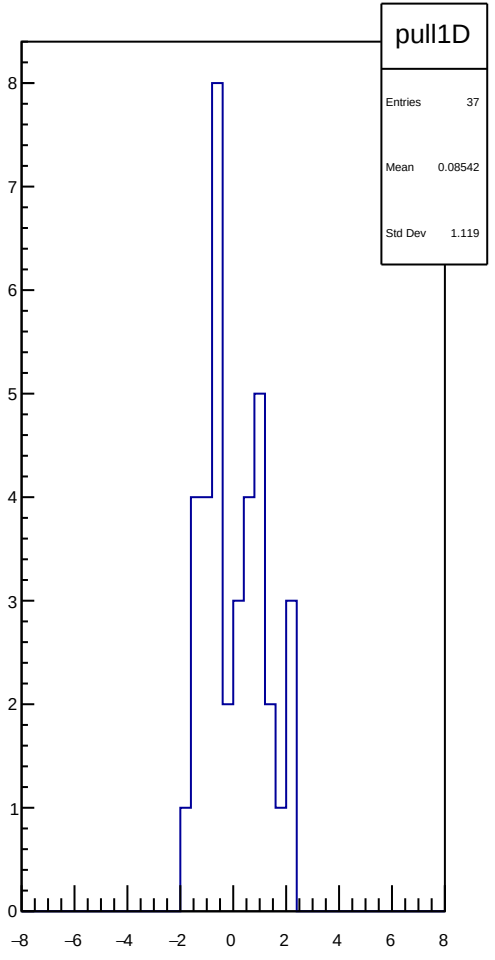

asym_atr2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.57 / 36
p0 0.6786 ± 0.6287
pull
Entries 37
Mean −16.2
Std Dev 0
pull1D
Entries 37
Mean 0.08542
Std Dev 1.119

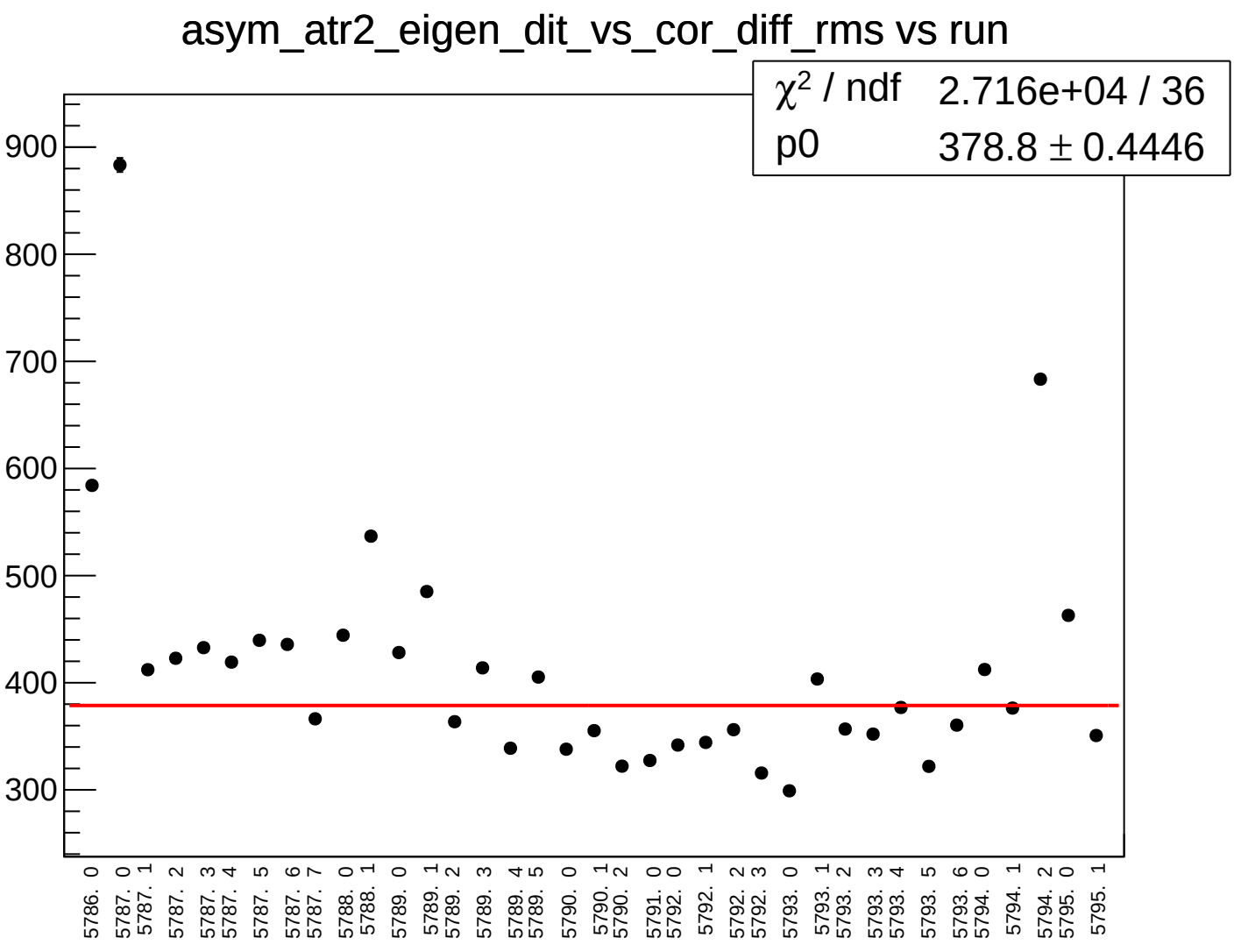

asym_atr2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.716e+04 / 36
p0 378.8 ± 0.4446
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

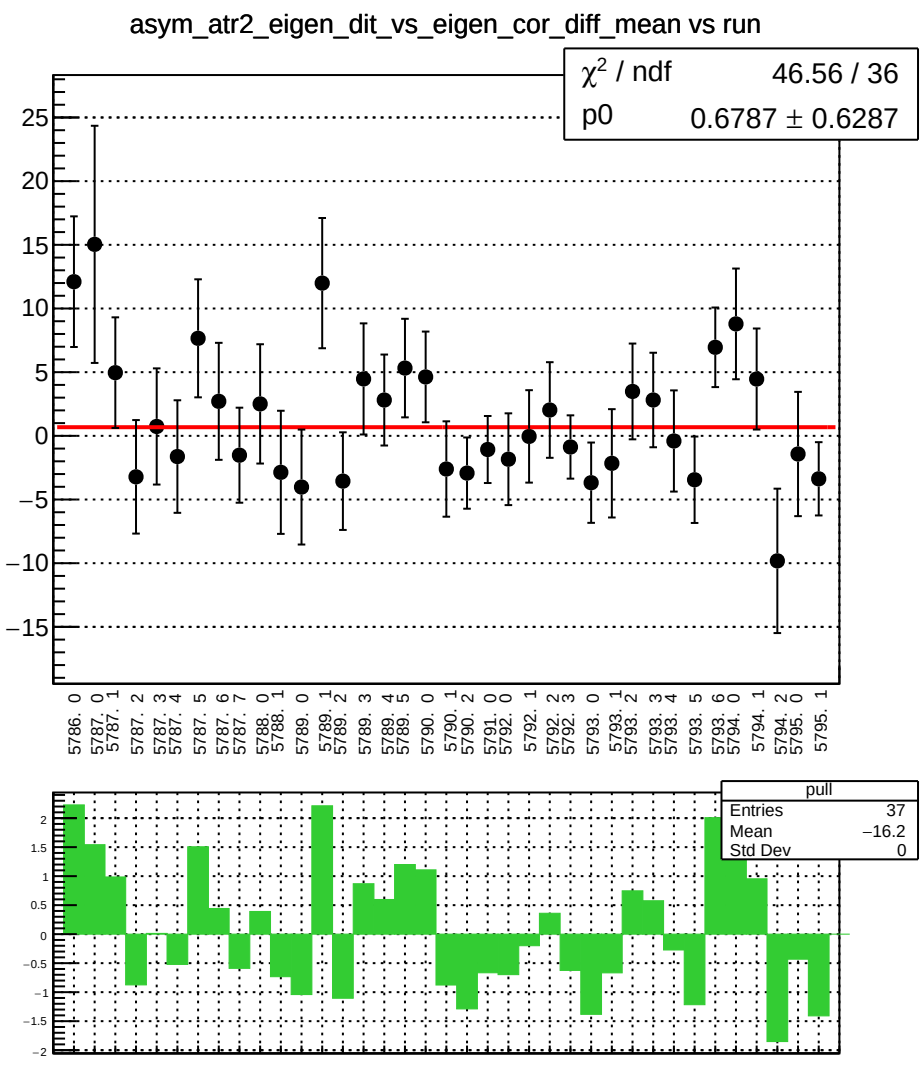

asym_atr2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 42.37 / 36
p0 5.925e−05 ± 3.932e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −68.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.00682
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

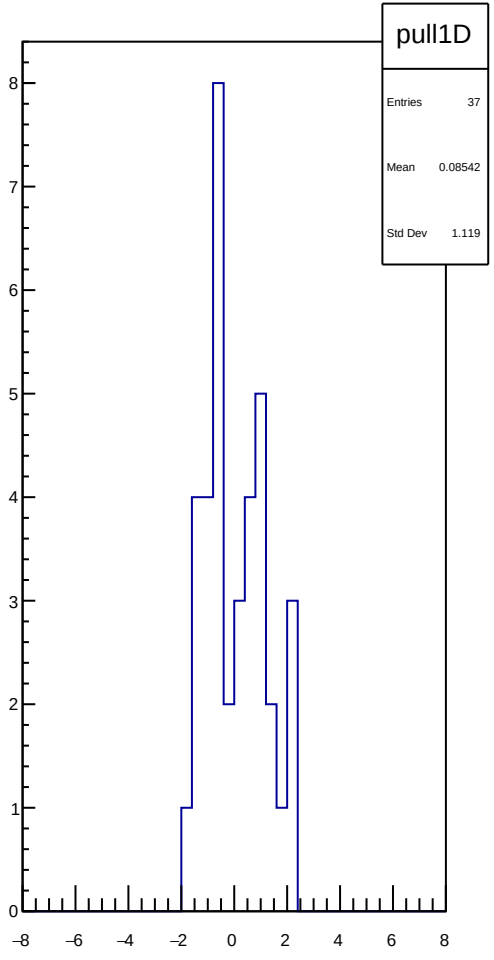

asym_atr2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4046 / 36
p0 0.02406 ± 2.78e−05
0.029
0.028
0.027
0.026
0.025
0.024
0.023
0.022
0.021
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

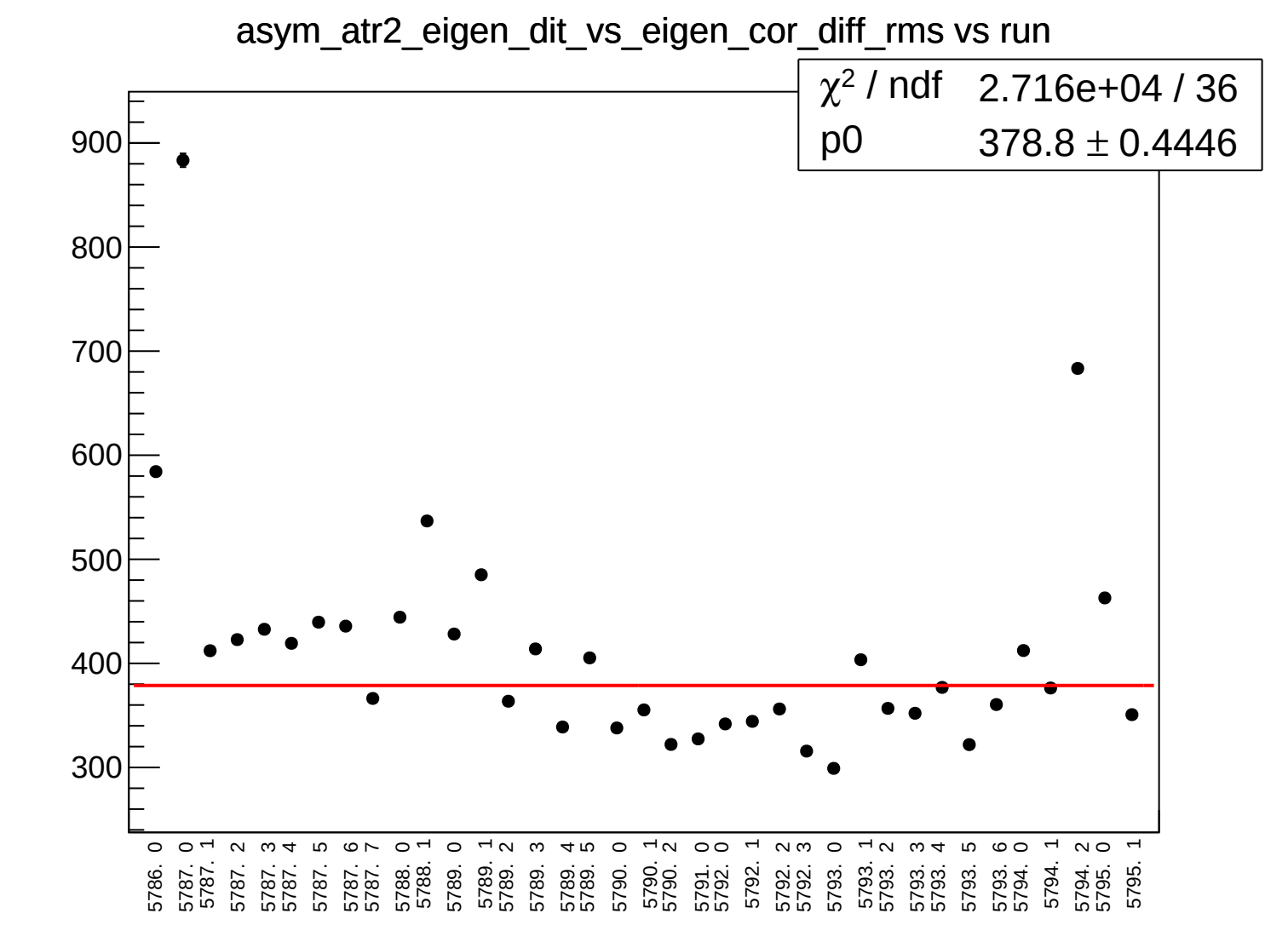

asym_atr2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.56 / 36
p0 0.6787 ± 0.6287
pull
Entries 37
Mean −16.2
Std Dev 0

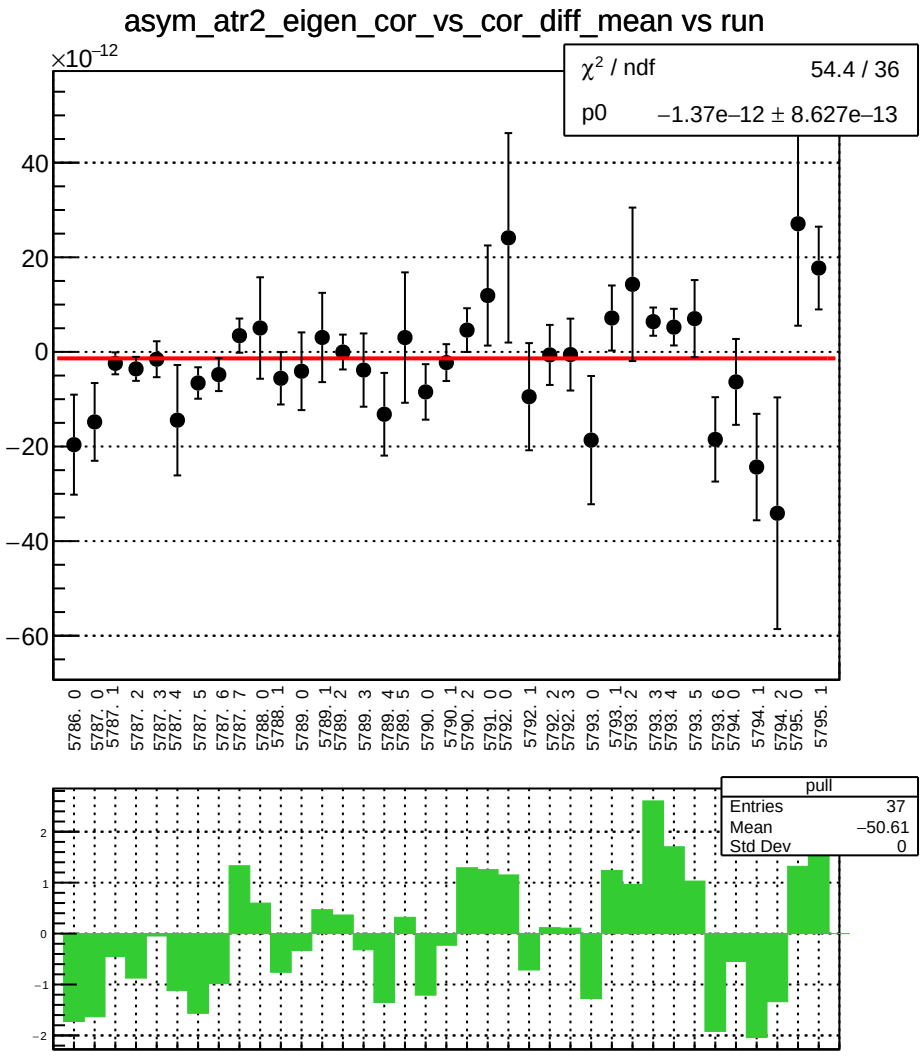

pull1D
Entries 37
Mean 0.08542
Std Dev 1.119

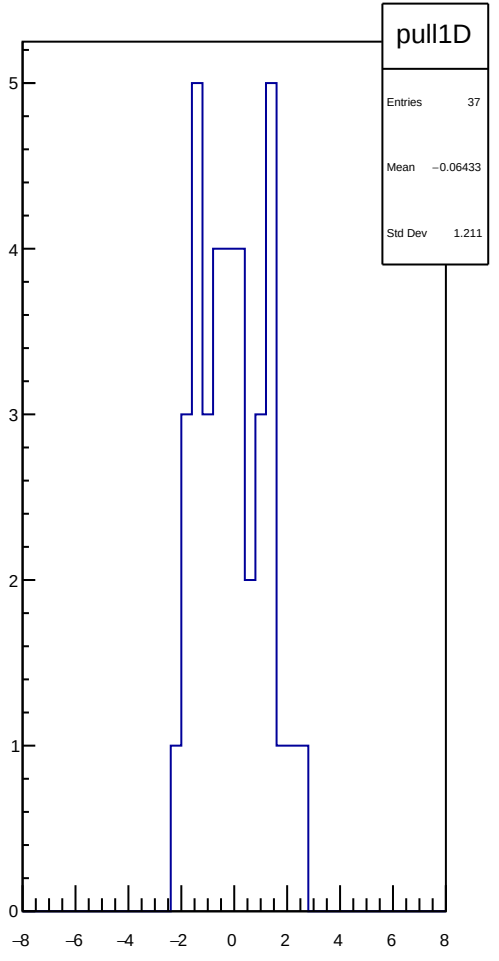

asym_atr2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.716e+04 / 36
p0 378.8 ± 0.4446
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

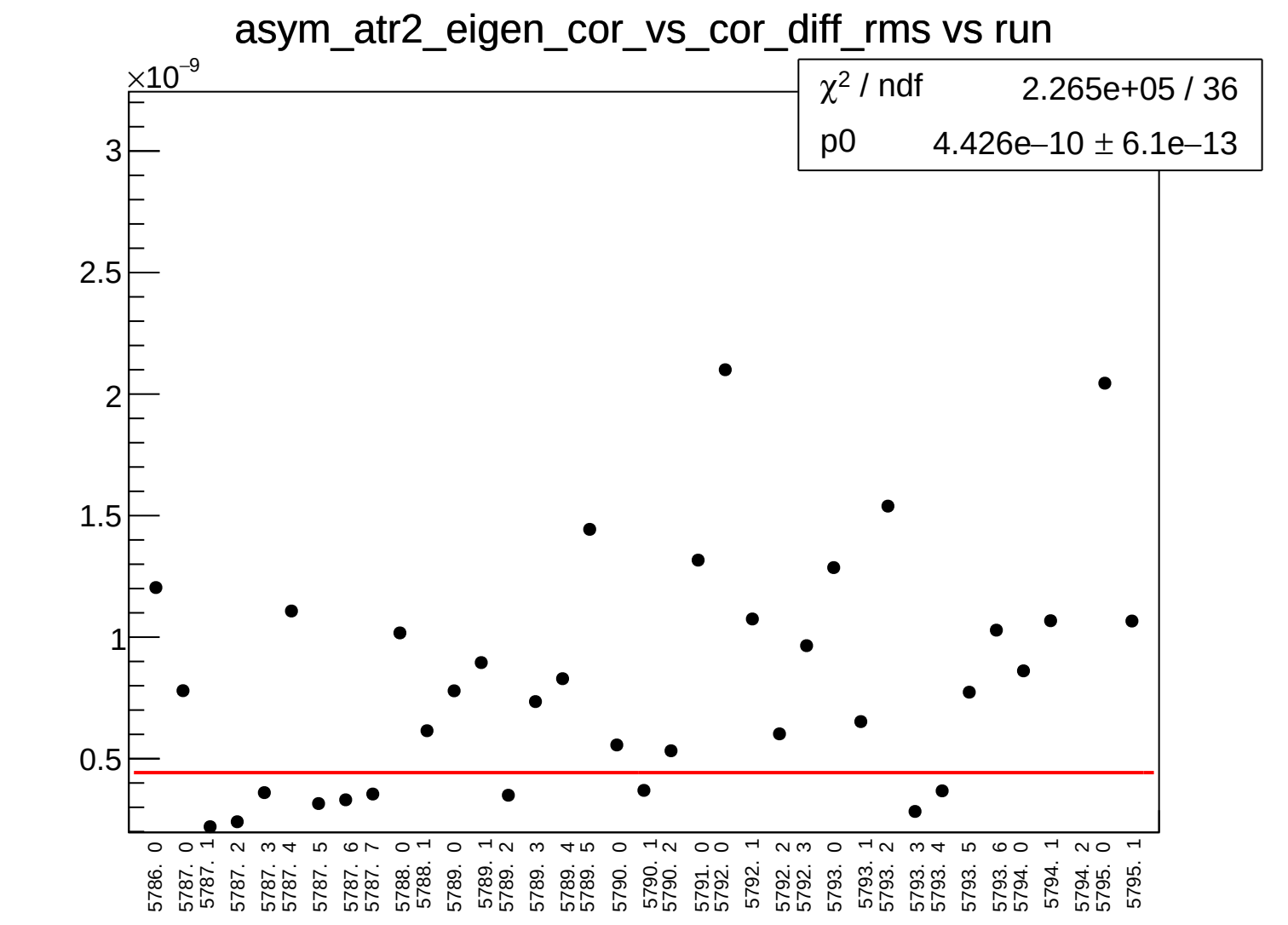

asym_atr2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.56 / 36
p0 0.6787 ± 0.6287
pull
Entries 37
Mean −16.2
Std Dev 0

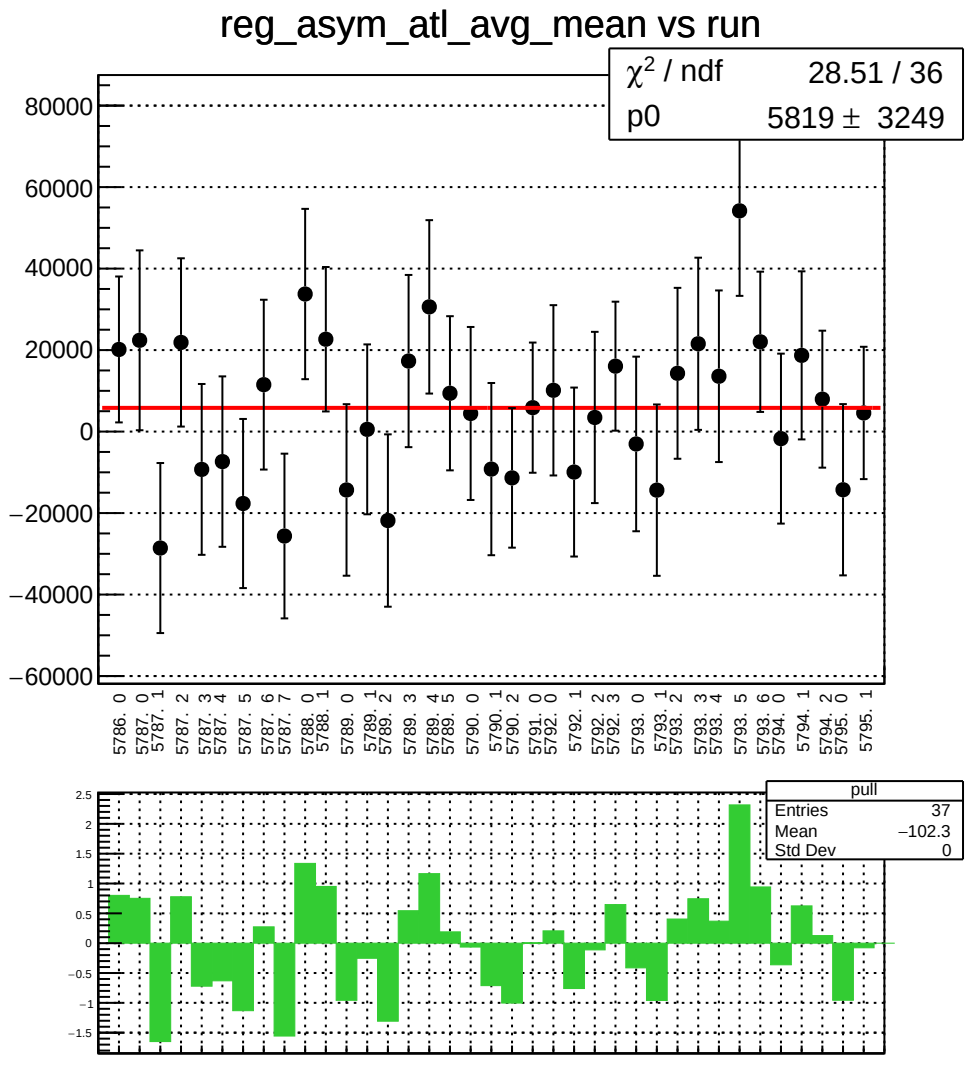

pull1D
Entries 37
Mean 0.08542
Std Dev 1.119

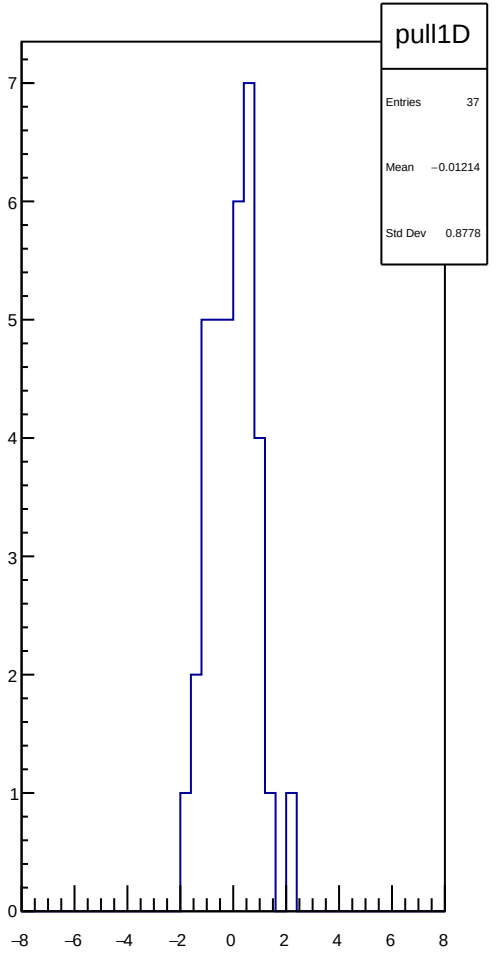

asym_atr2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.716e+04 / 36
p0 378.8 ± 0.4446
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

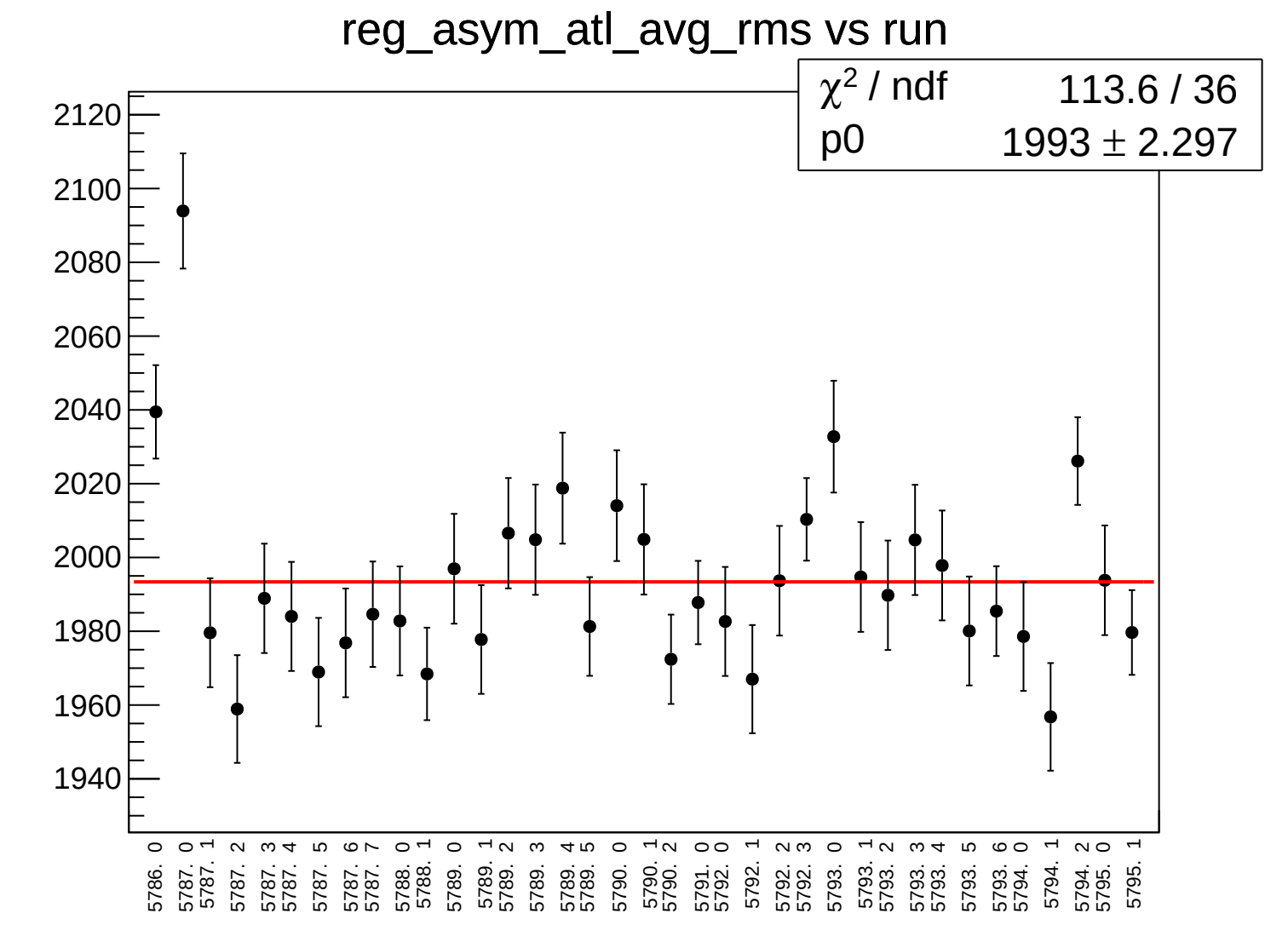

asym_atr2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 54.4 / 36
p0 −1.37e−12 ± 8.627e−13
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.61
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.06433
Std Dev 1.211
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.265e+05 / 36
p0 4.426e−10 ± 6.1e−13
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_atl_avg_mean vs run
χ² / ndf 28.51 / 36
p0 5819 ± 3249
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −102.3
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01214
Std Dev 0.8778
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_rms vs run
χ^2 / ndf 113.6 / 36
p0 1993 ± 2.297
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
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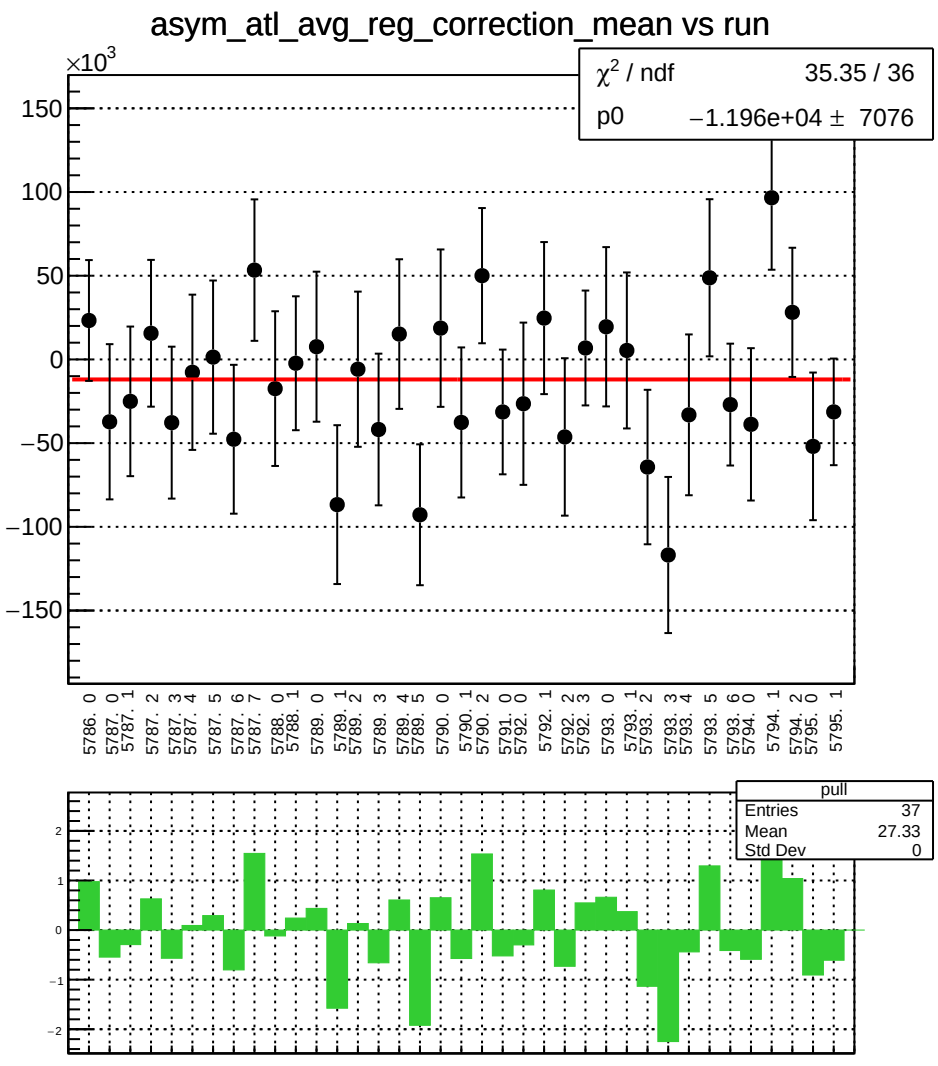
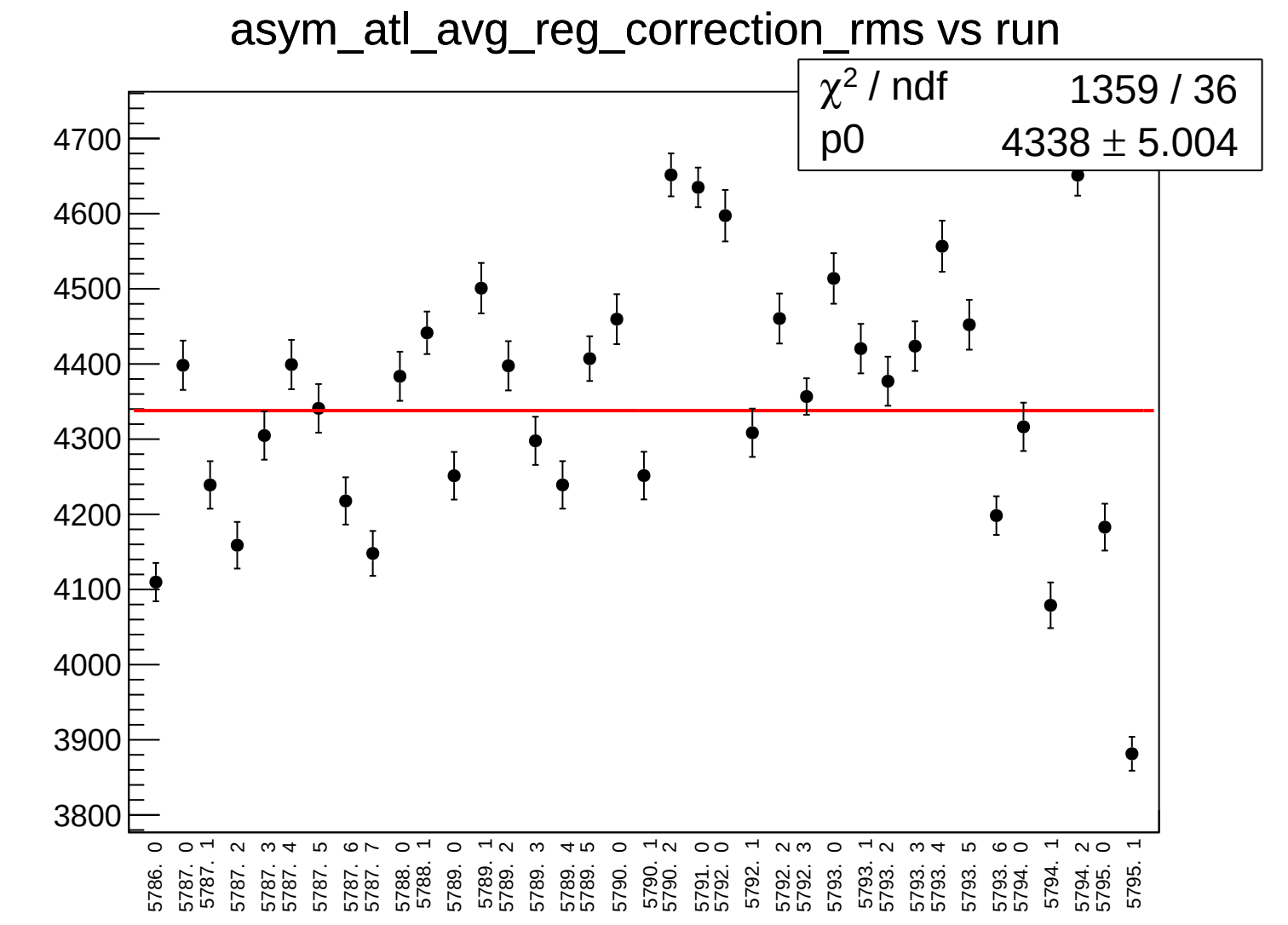
5794. 2
5795. 0
5795. 1


asym_atl_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.35 / 36
p0 −1.196e+04 ± 7076
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0152
Std Dev 0.9773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_reg_correction_rms vs run
χ² / ndf 1359 / 36
p0 4338 ± 5.004
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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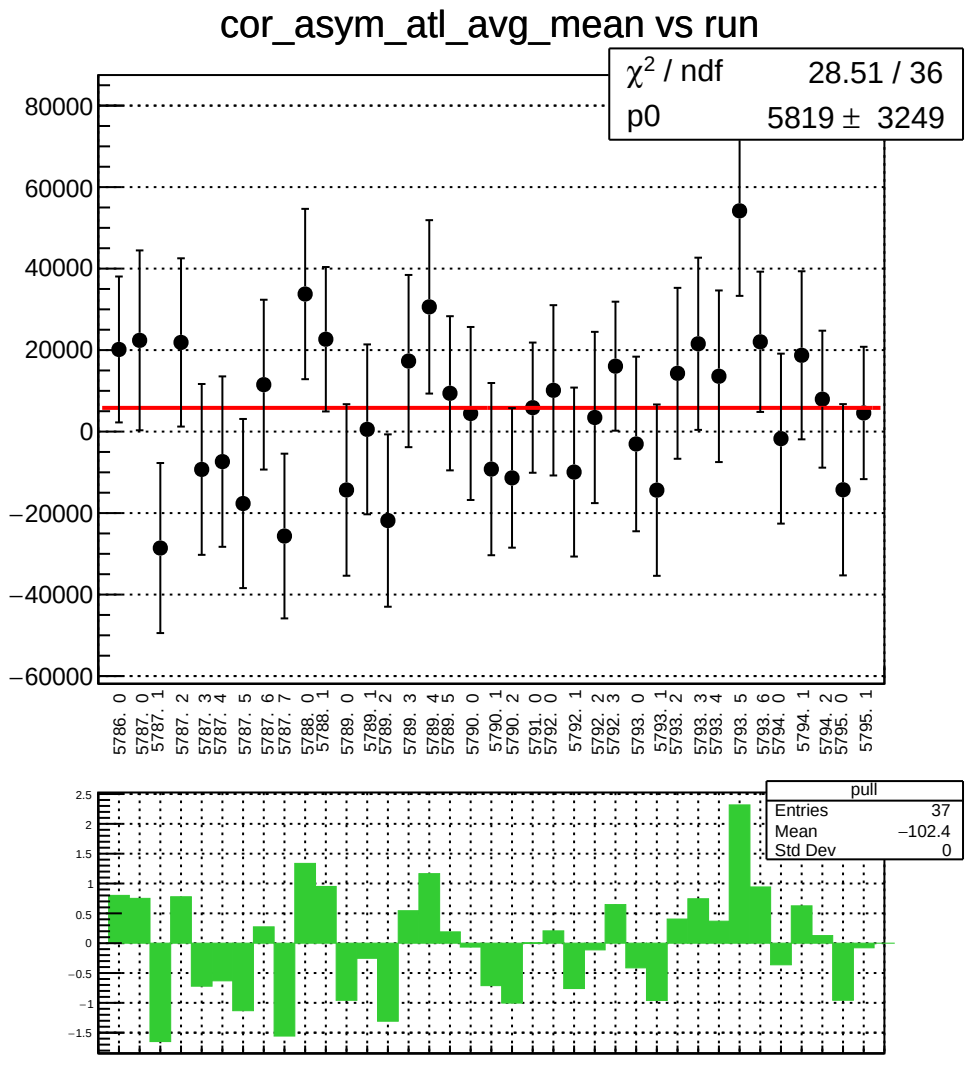
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atl_avg_mean vs run
χ² / ndf 28.51 / 36
p0 5819 ± 3249
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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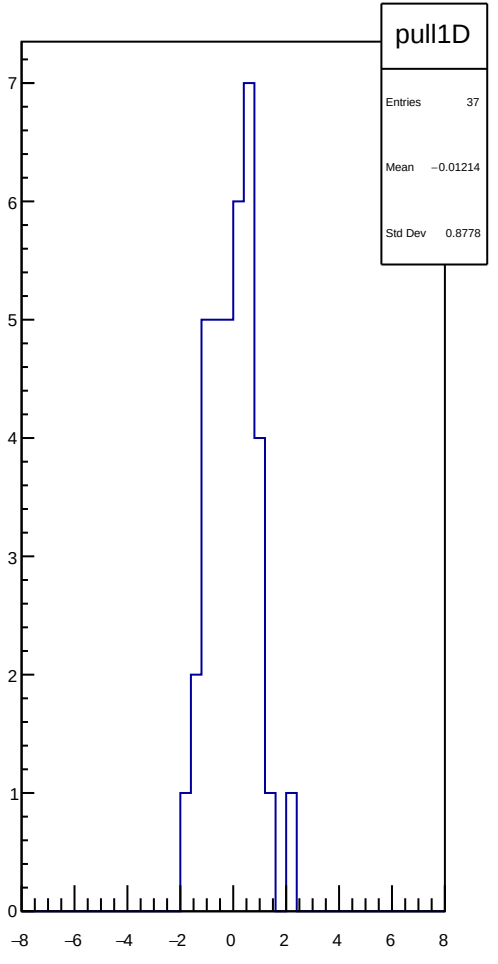
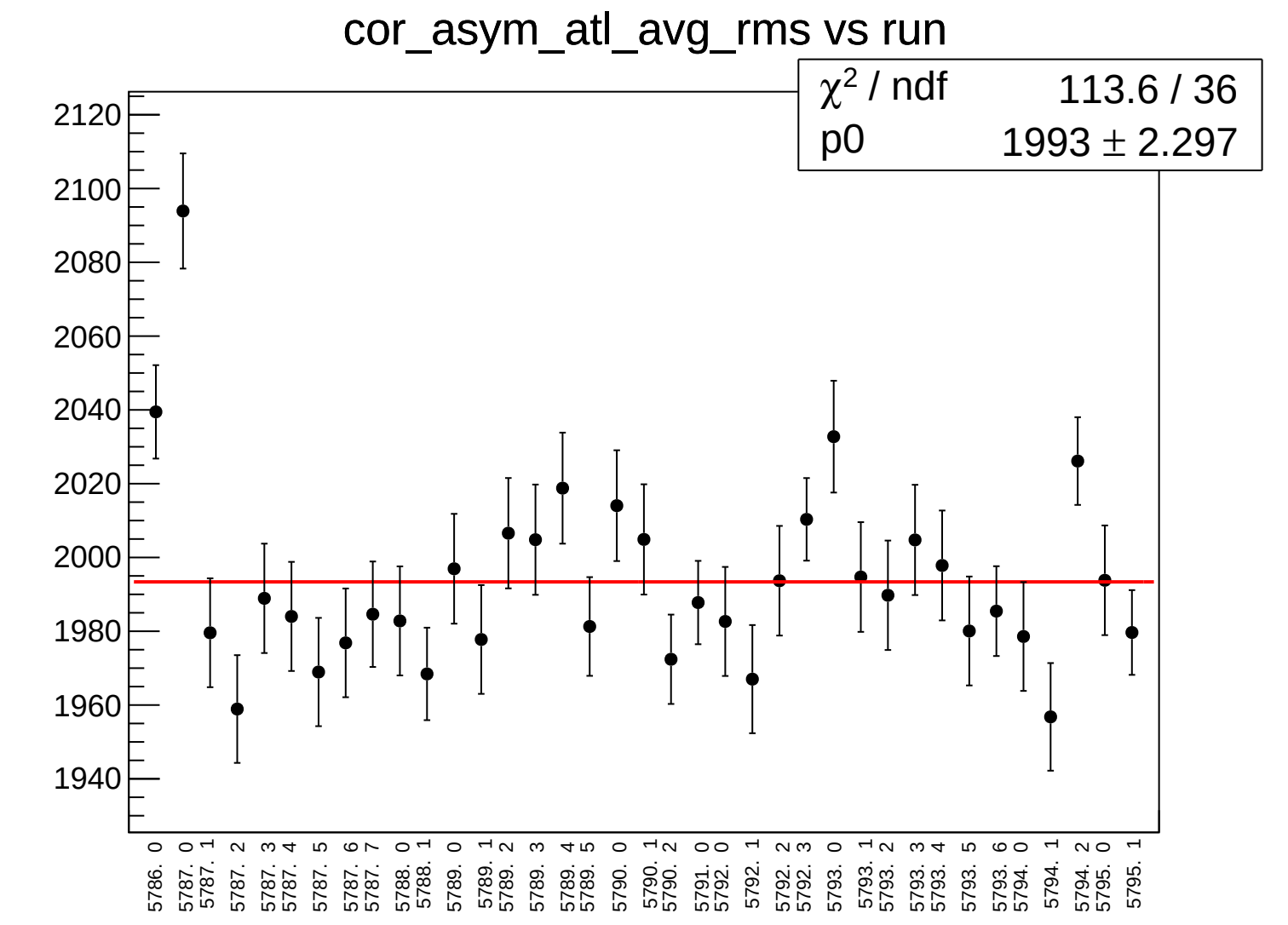
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −102.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01214
Std Dev 0.8778
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_rms vs run
χ^2 / ndf 113.6 / 36
p0 1993 ± 2.297
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 6
5794. 0
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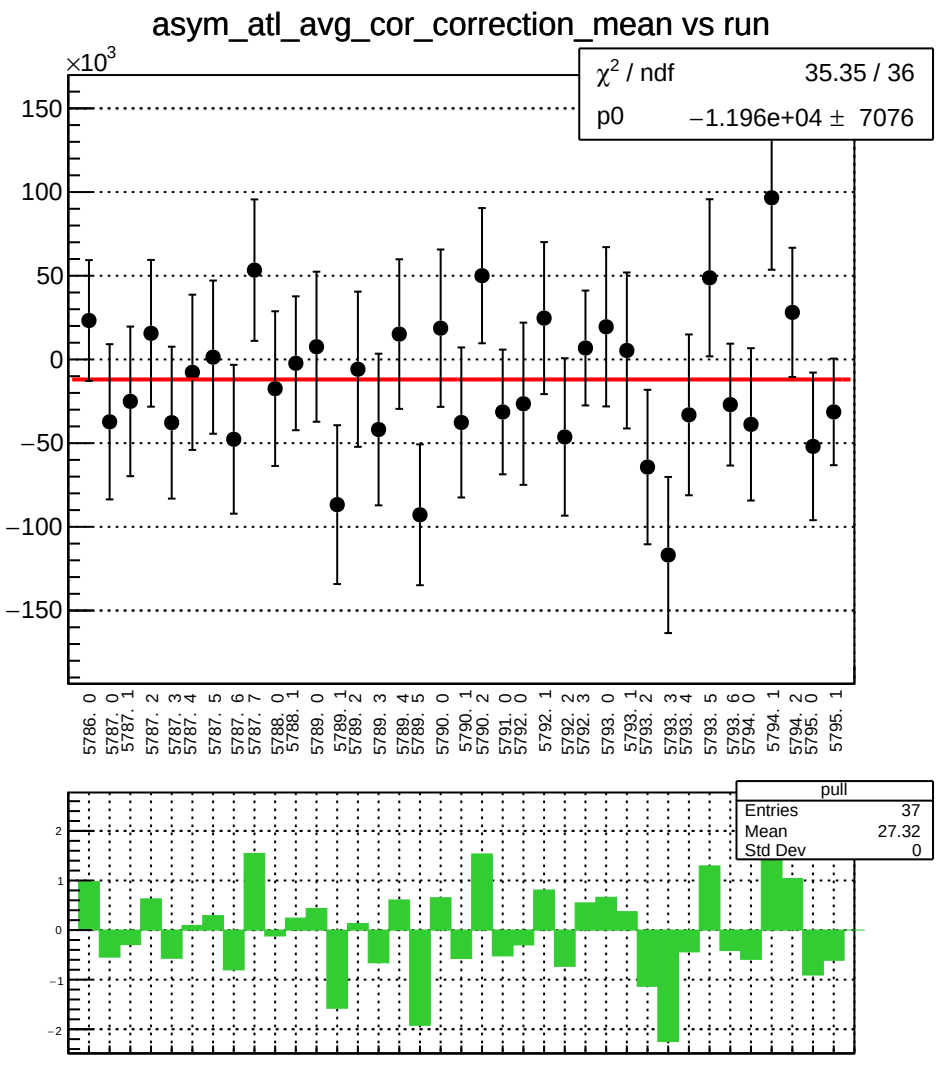
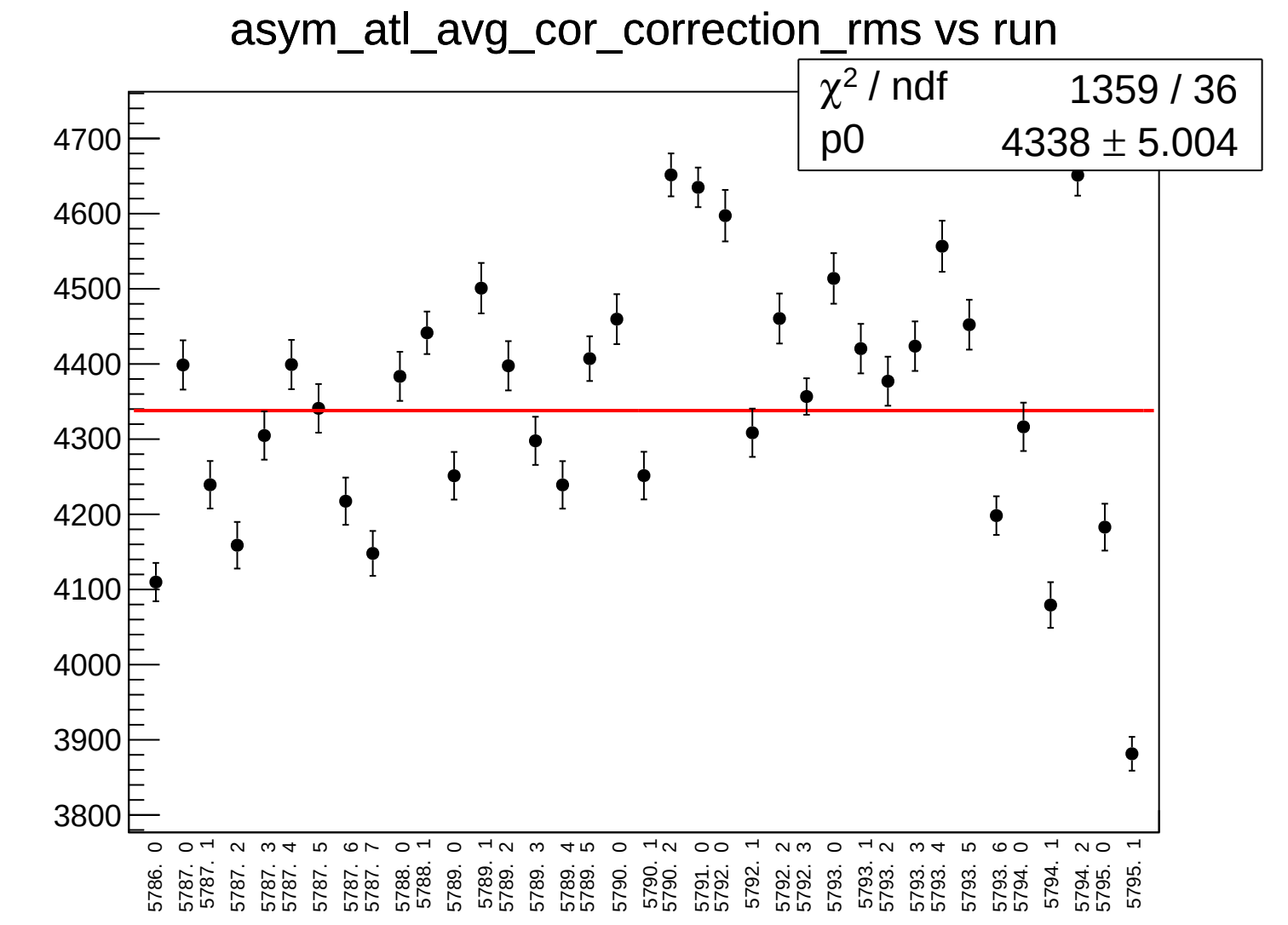
5794. 2
5795. 0
5795. 1


asym_atl_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.35 / 36
p0 −1.196e+04 ± 7076
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0152
Std Dev 0.9773
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_cor_correction_rms vs run
χ² / ndf 1359 / 36
p0 4338 ± 5.004
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5792. 2
5792. 3
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5794. 0
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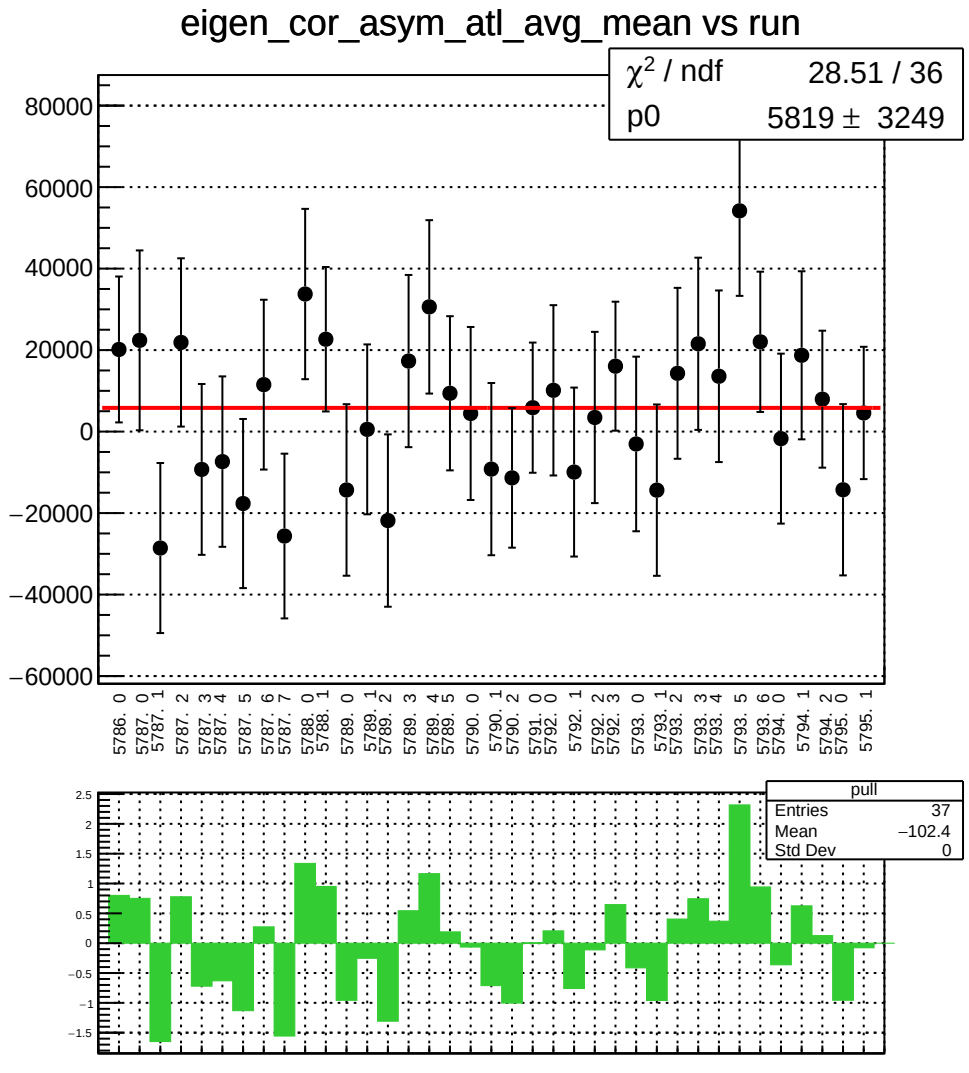
5795. 0
5795. 1


eigen_cor_asym_atl_avg_mean vs run
χ² / ndf 28.51 / 36
p0 5819 ± 3249
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 3
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5790. 2
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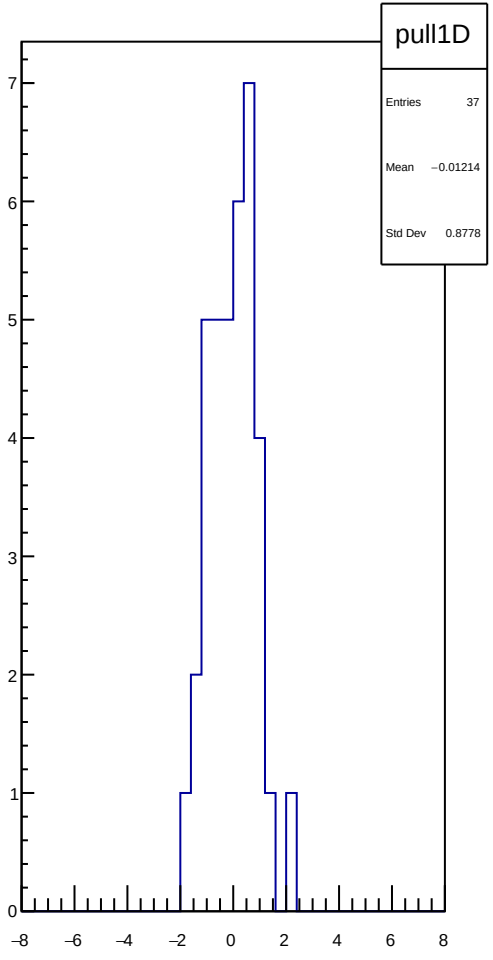
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −102.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01214
Std Dev 0.8778
7
6
5
4
3
2
1
0
−8
−6
−4
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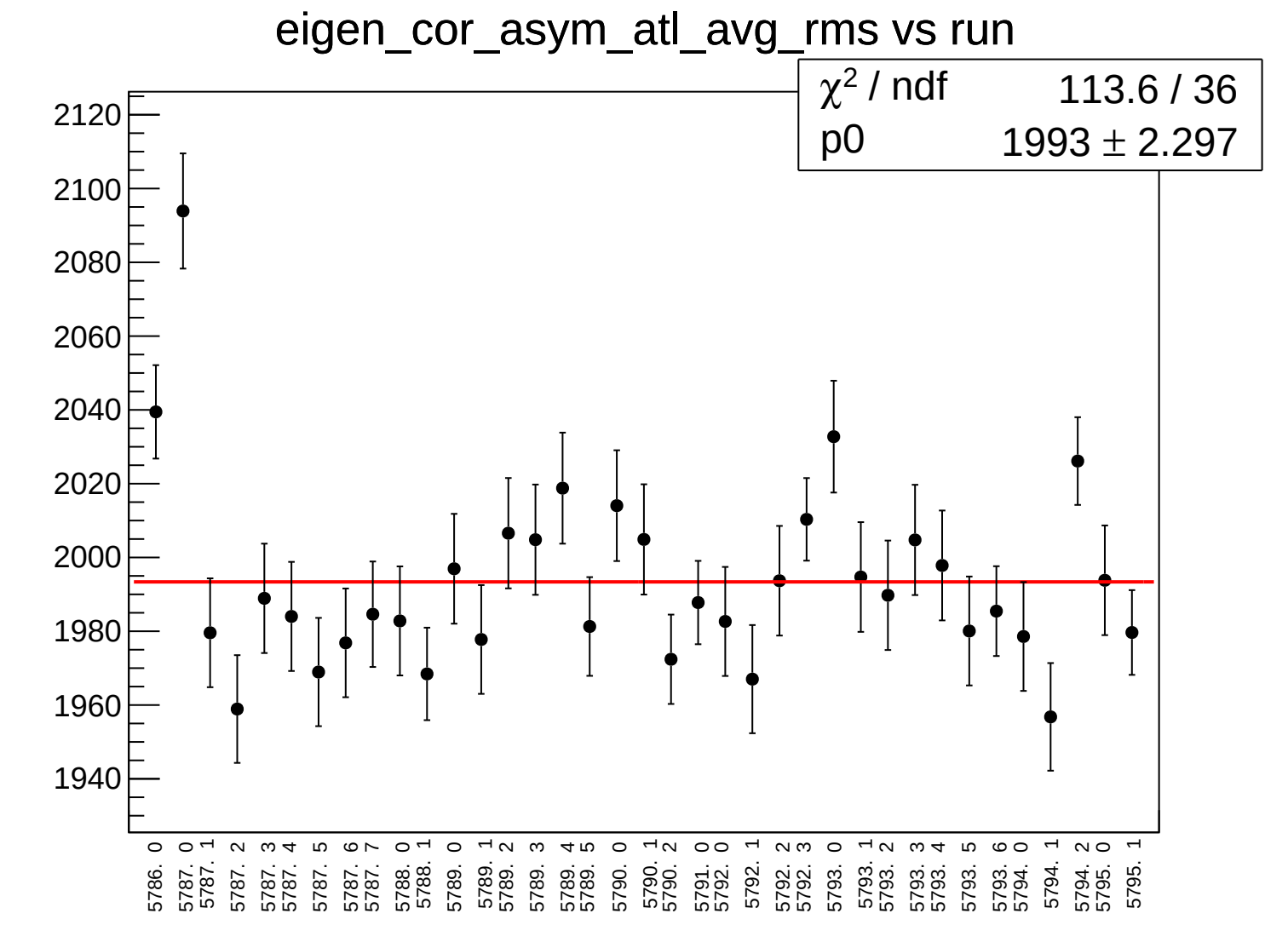
0
2
4
6
8


eigen_cor_asym_atl_avg_rms vs run
χ² / ndf 113.6 / 36
p0 1993 ± 2.297
2120
2100
2080
2060
2040
2020
2000
1980
1960
1940
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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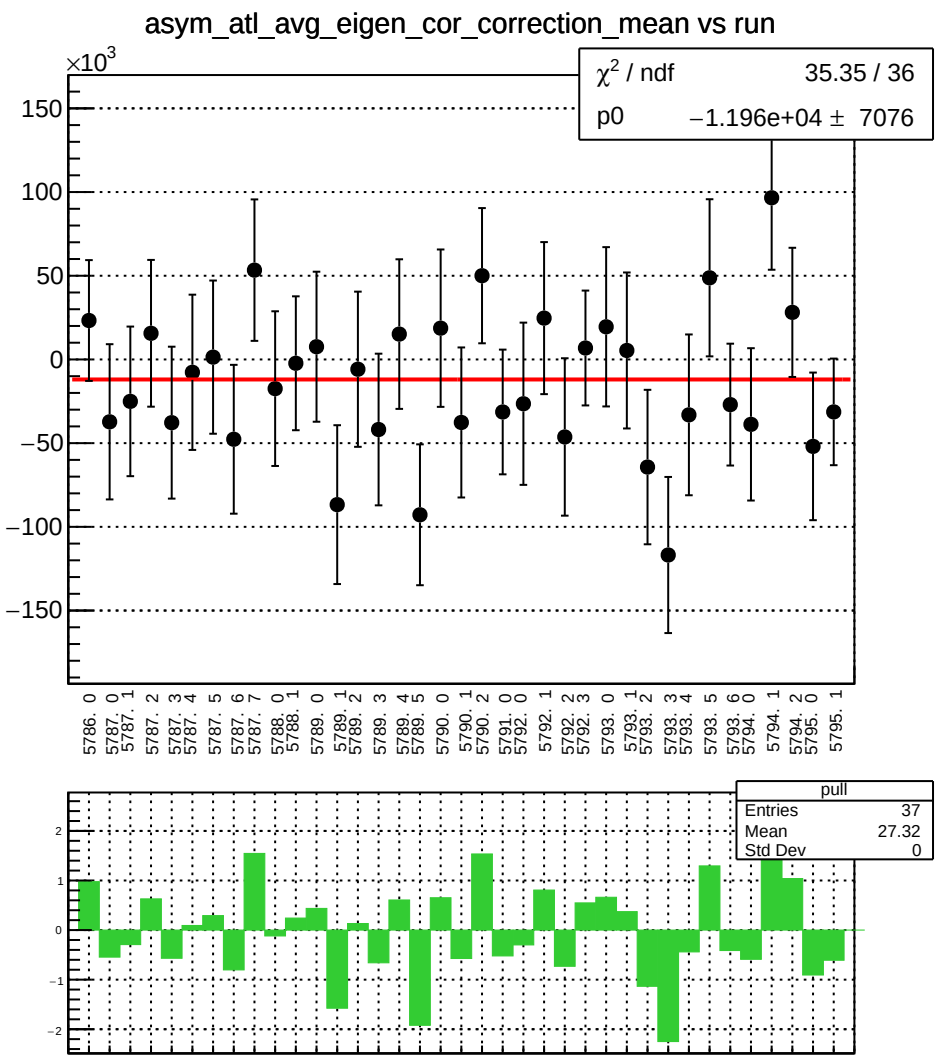
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.35 / 36
p0 −1.196e+04 ± 7076
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0152
Std Dev 0.9773
10
8
6
4
2
0
−8
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−4
−2
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2
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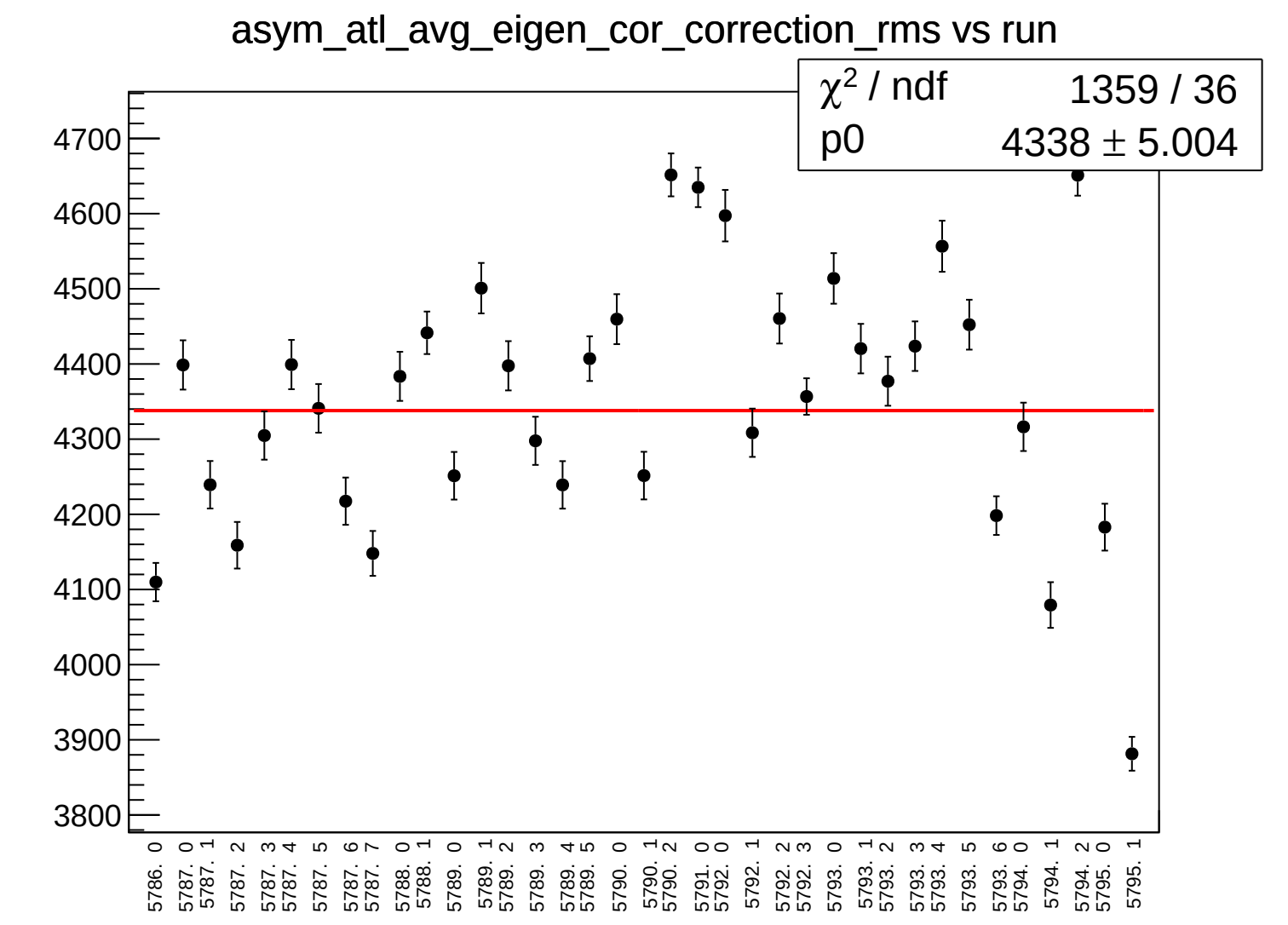
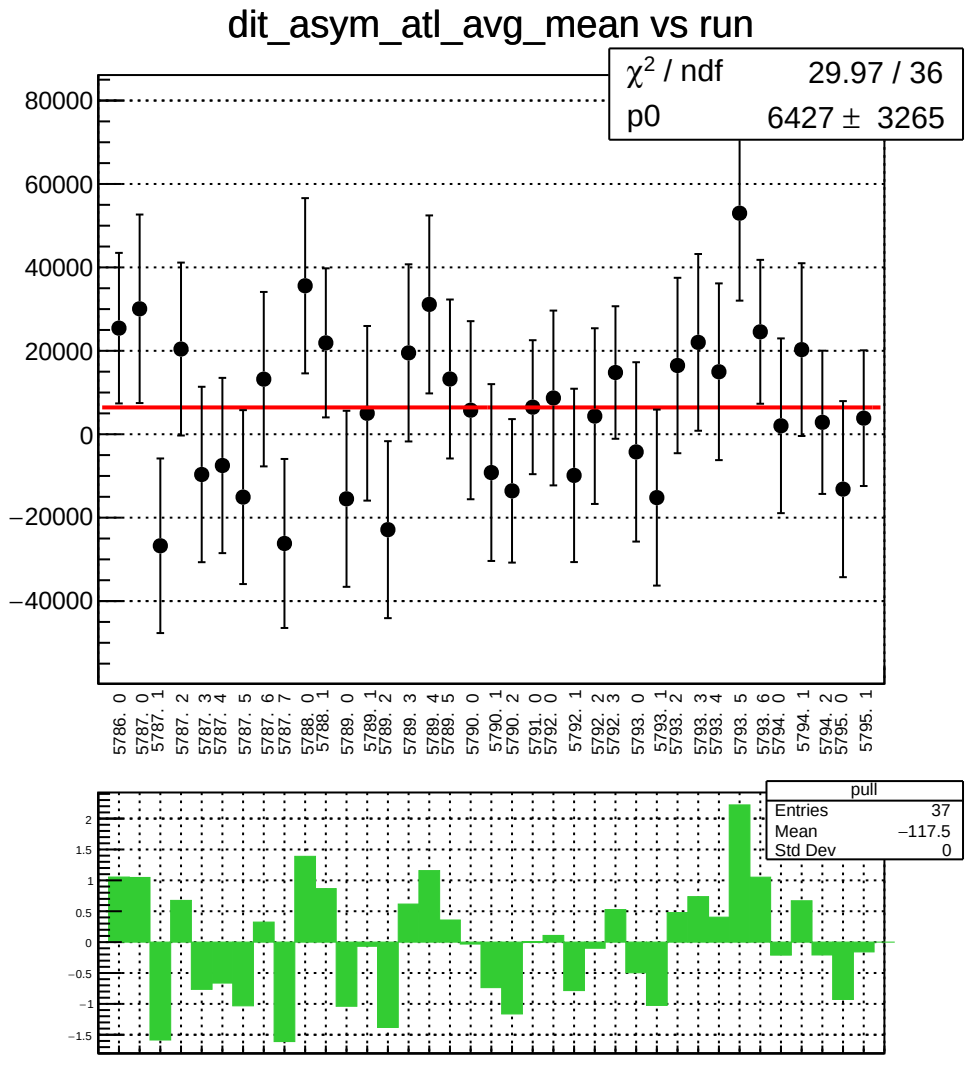
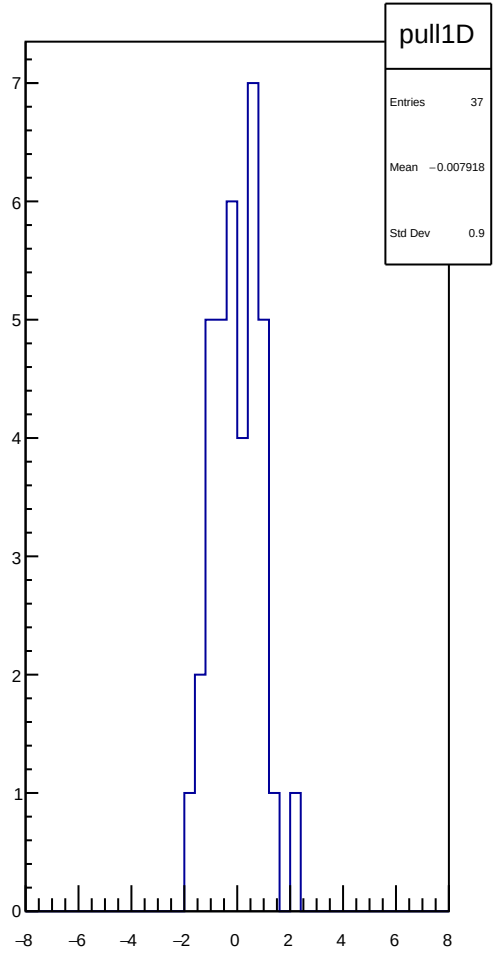
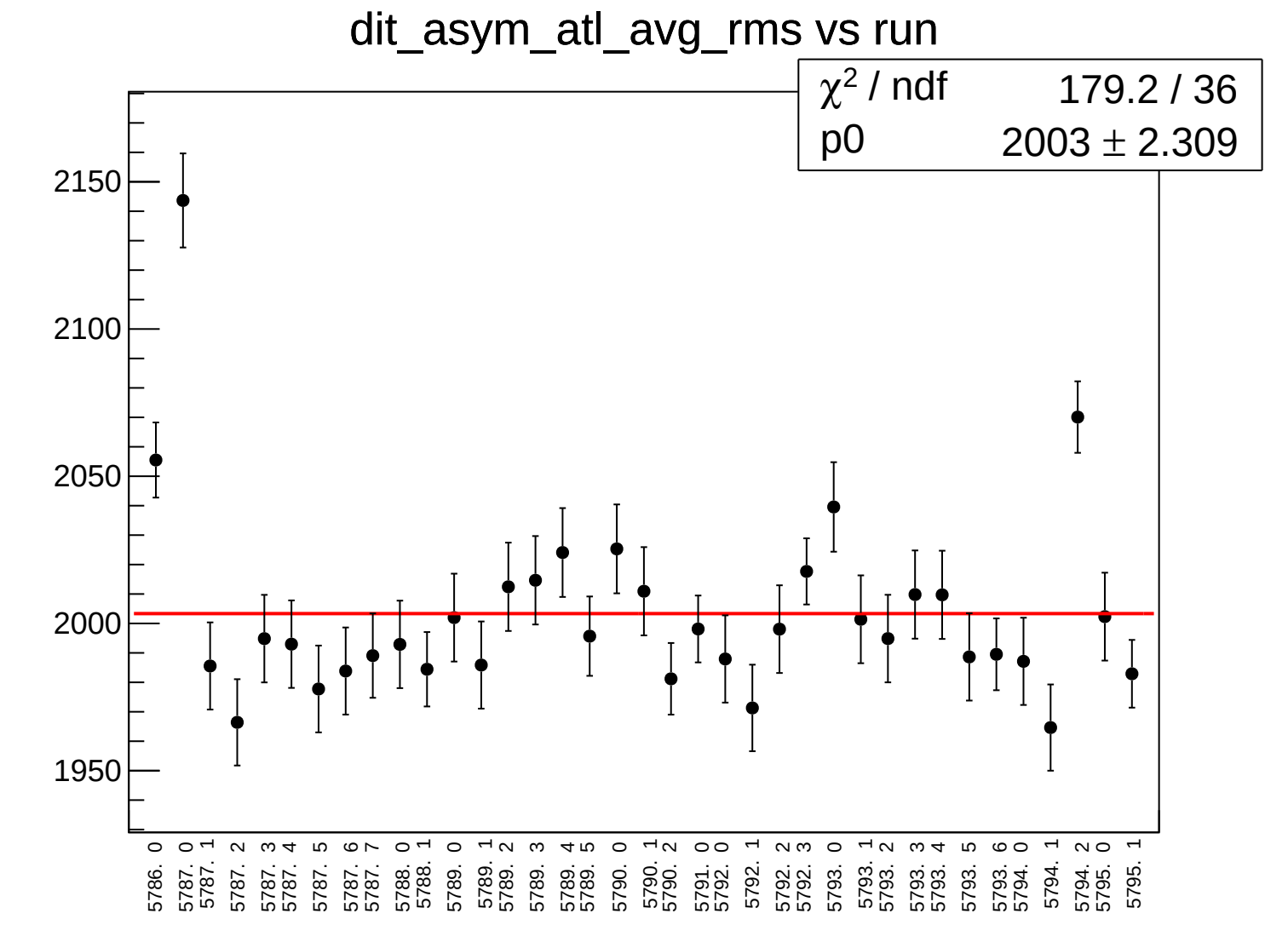
6
8


asym_atl_avg_eigen_cor_correction_rms vs run
χ² / ndf 1359 / 36
p0 4338 ± 5.004
4700
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_atl_avg_mean vs run
χ² / ndf 29.97 / 36
p0 6427 ± 3265
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −117.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.007918
Std Dev 0.9
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_rms vs run
χ² / ndf 179.2 / 36
p0 2003 ± 2.309
2150
2100
2050
2000
1950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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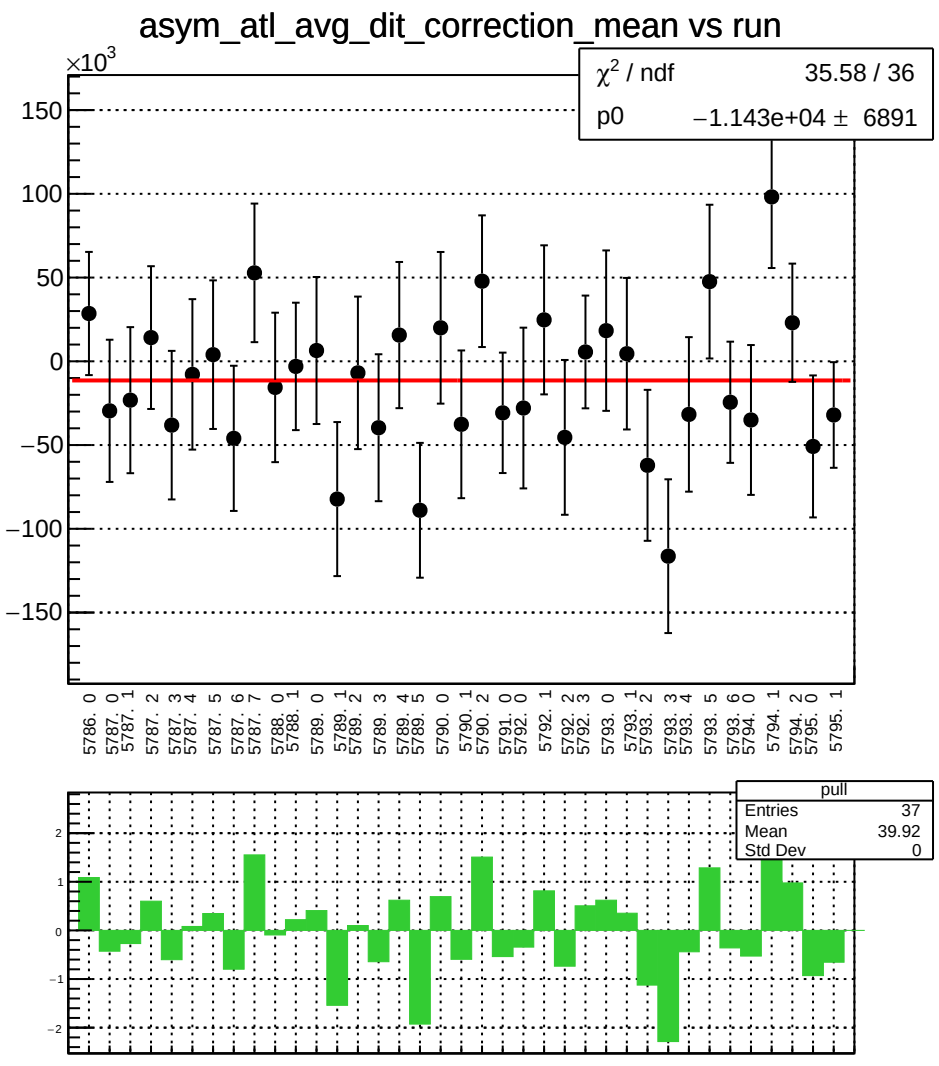
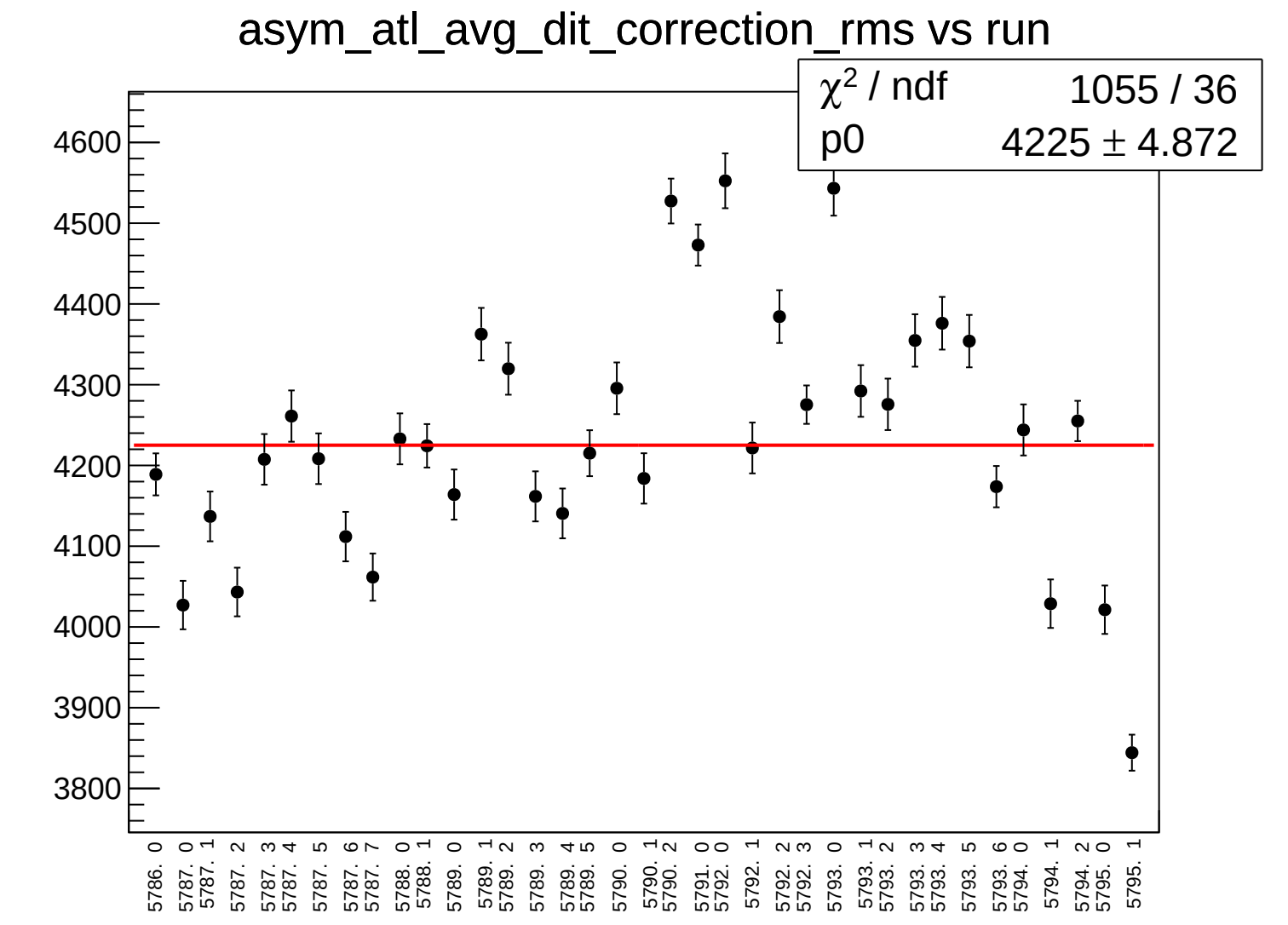
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.58 / 36
p0 −1.143e+04 ± 6891
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01286
Std Dev 0.9805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_dit_correction_rms vs run
χ² / ndf 1055 / 36
p0 4225 ± 4.872
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 4
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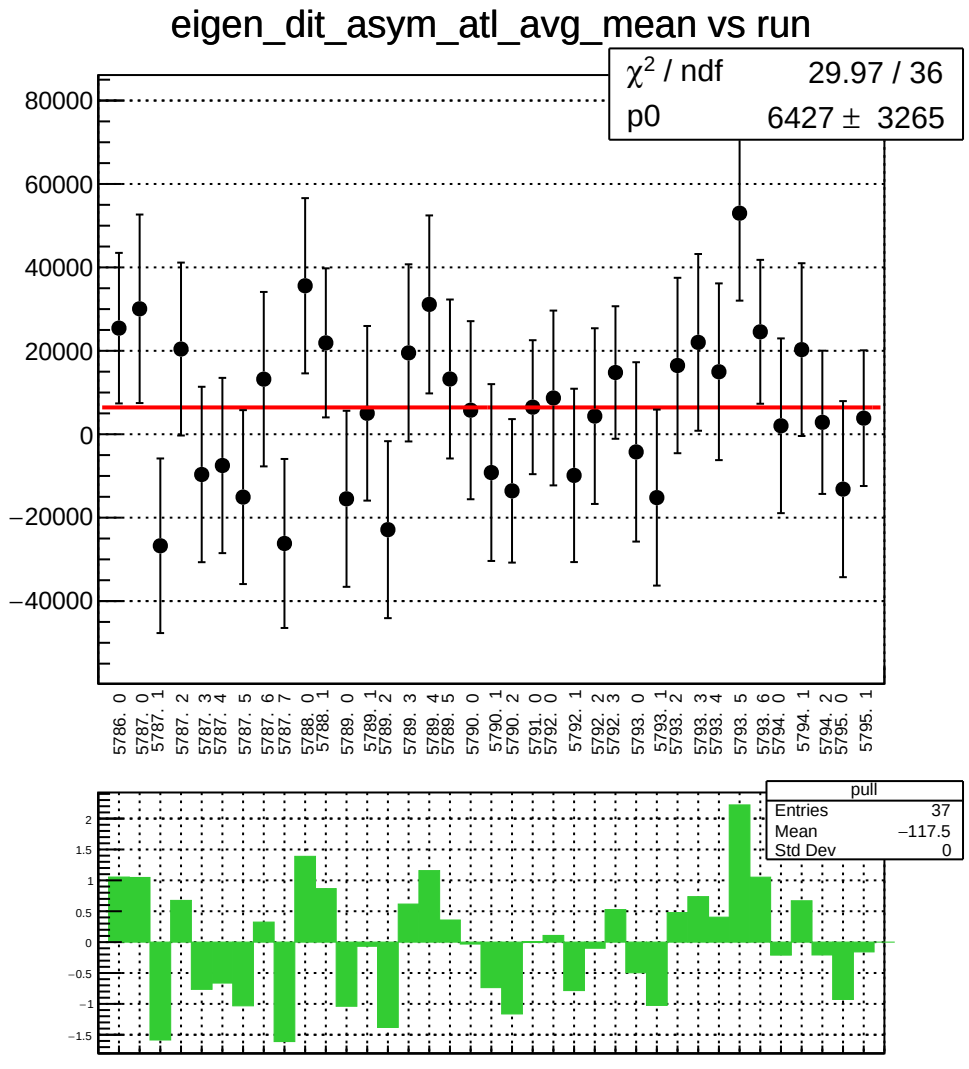
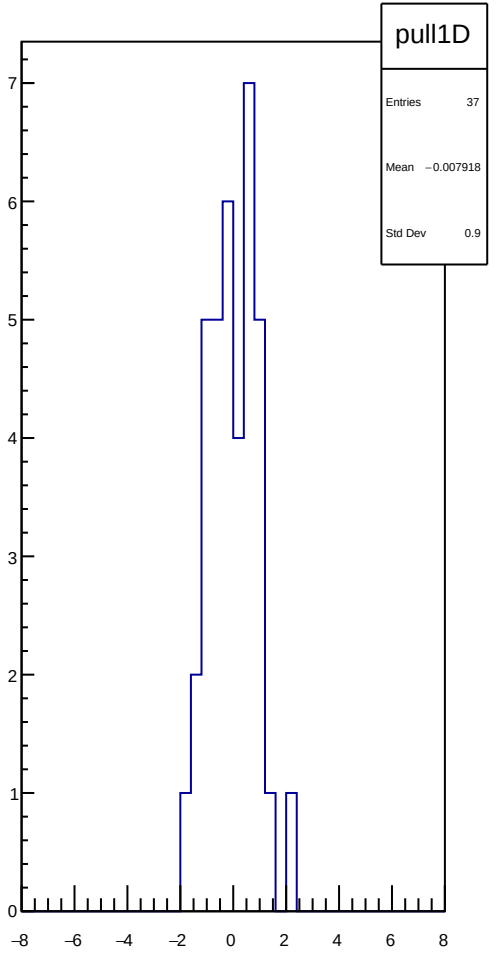
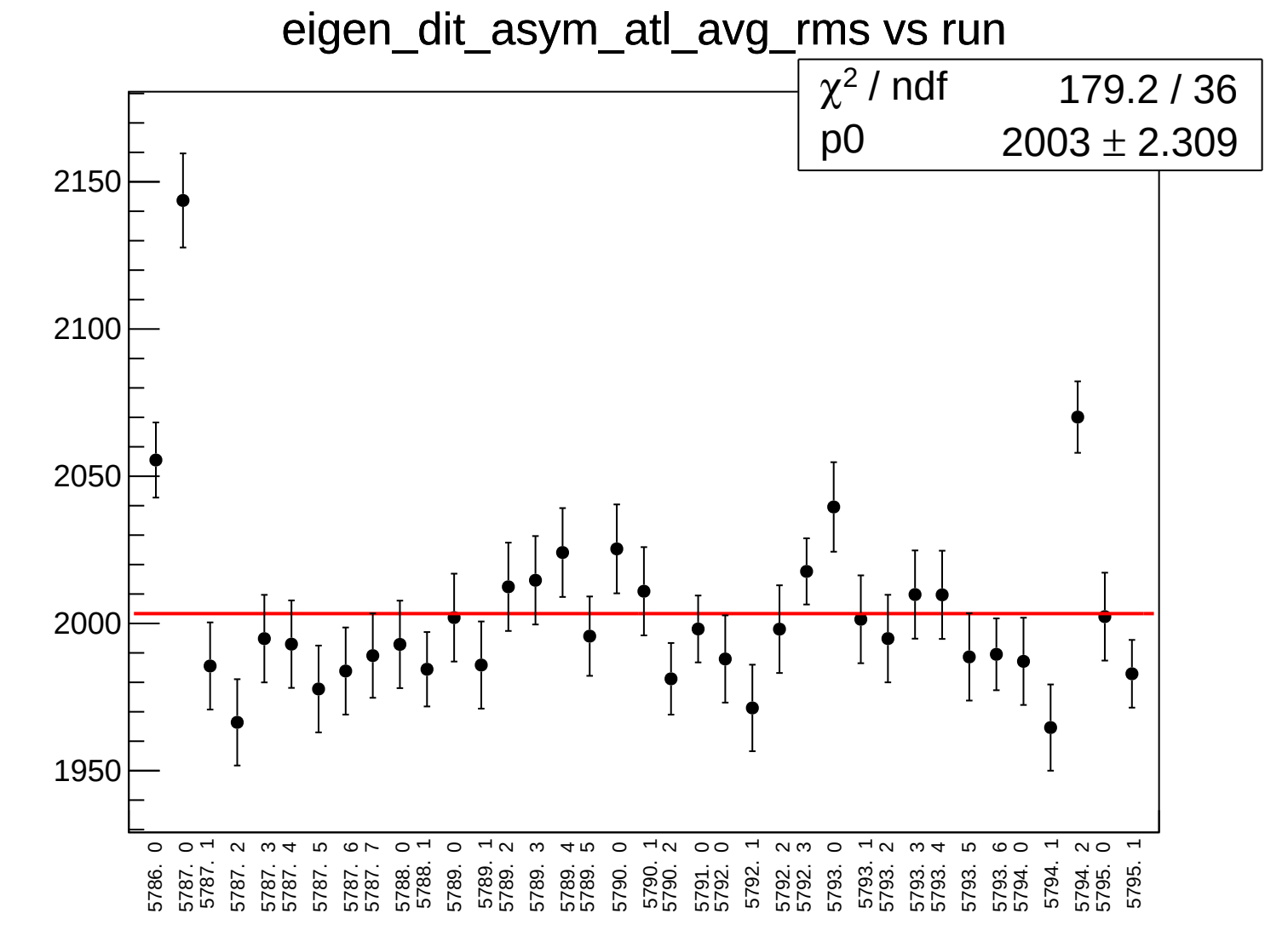
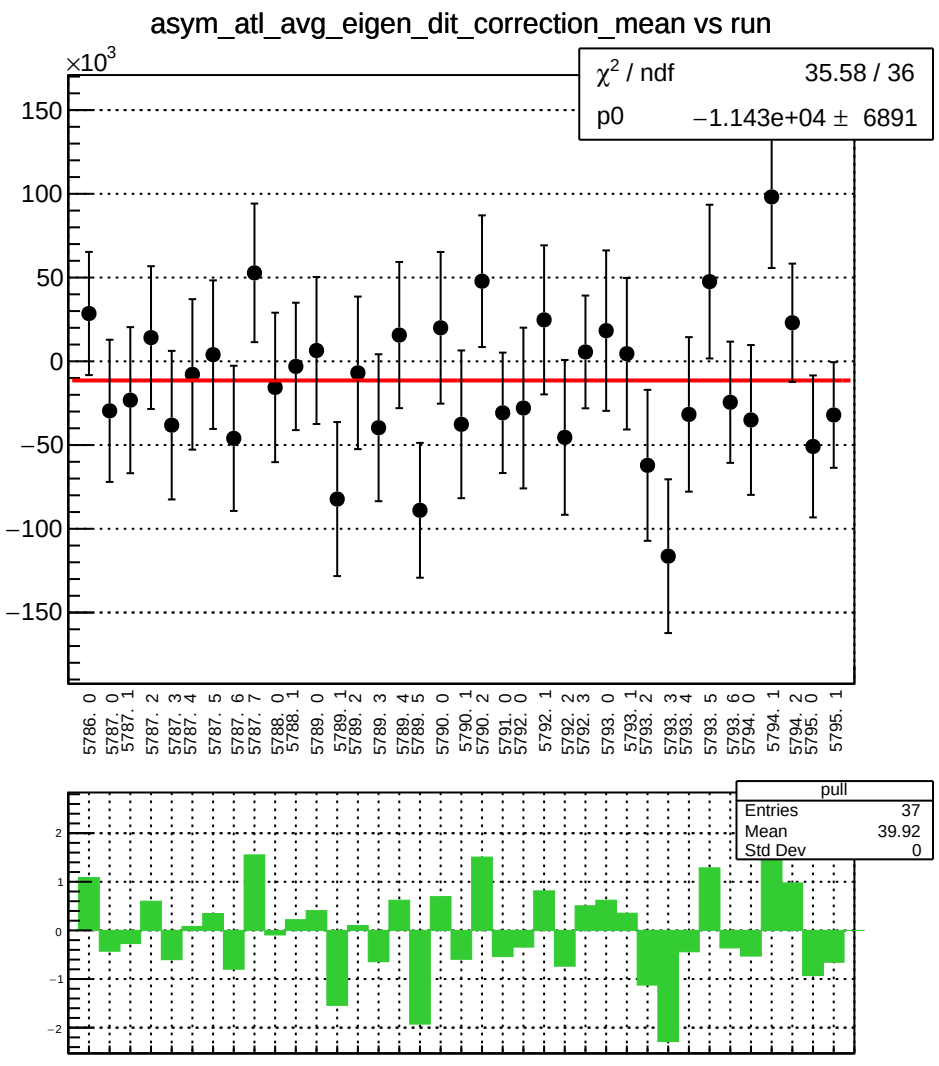
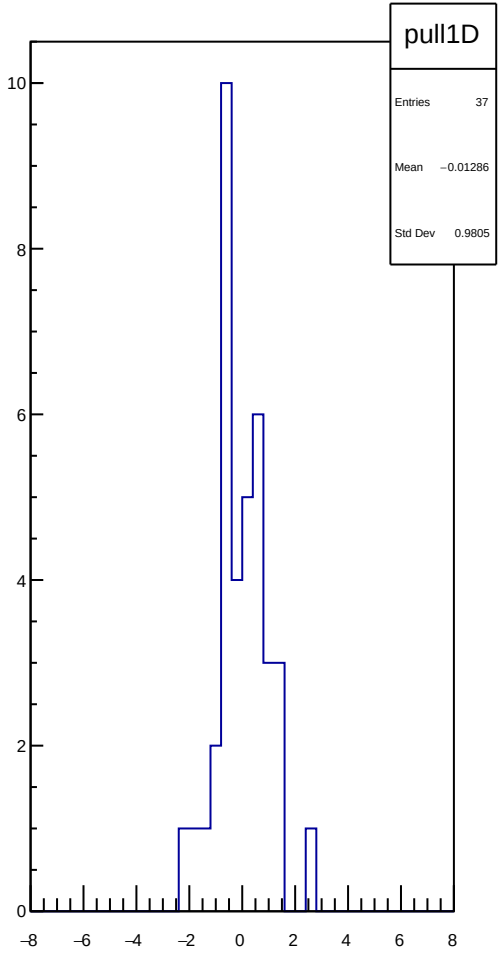
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

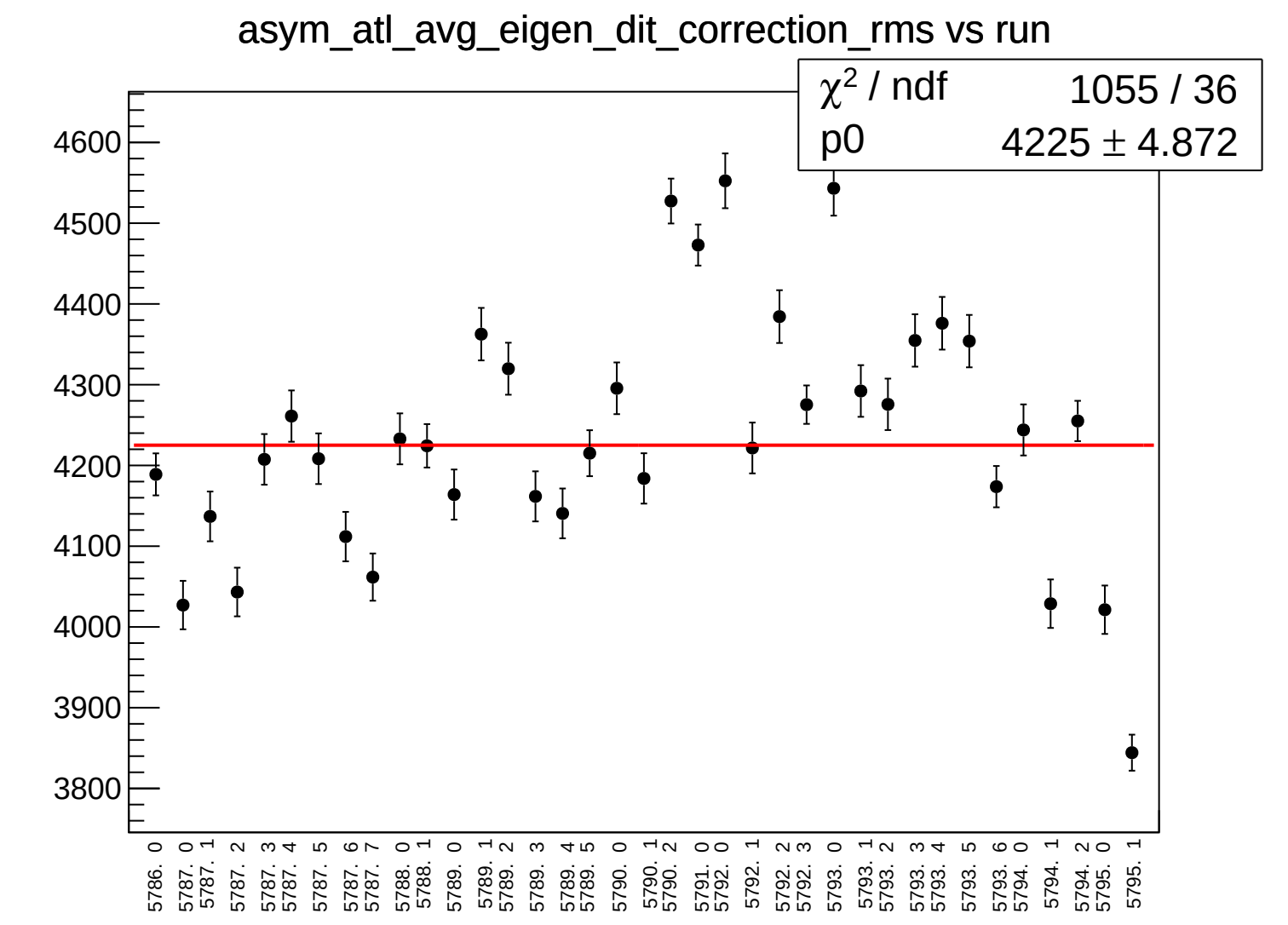

eigen_dit_asym_atl_avg_mean vs run
χ² / ndf 29.97 / 36
p0 6427 ± 3265
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −117.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

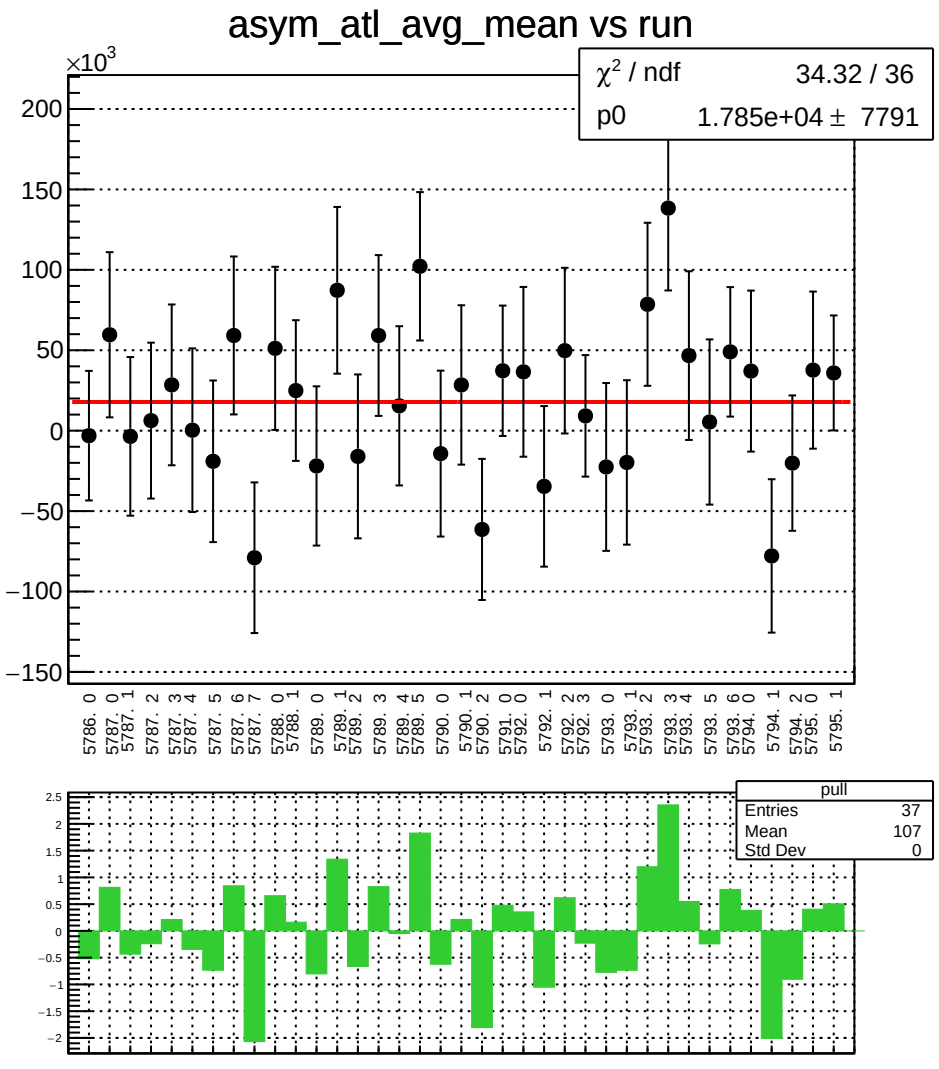

pull1D
Entries 37
Mean −0.007918
Std Dev 0.9
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

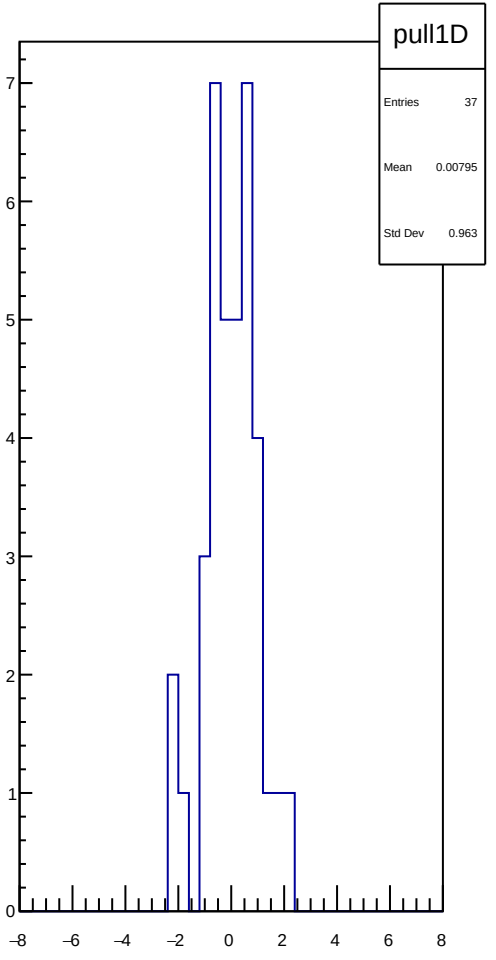

eigen_dit_asym_atl_avg_rms vs run
χ² / ndf 179.2 / 36
p0 2003 ± 2.309
2150
2100
2050
2000
1950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

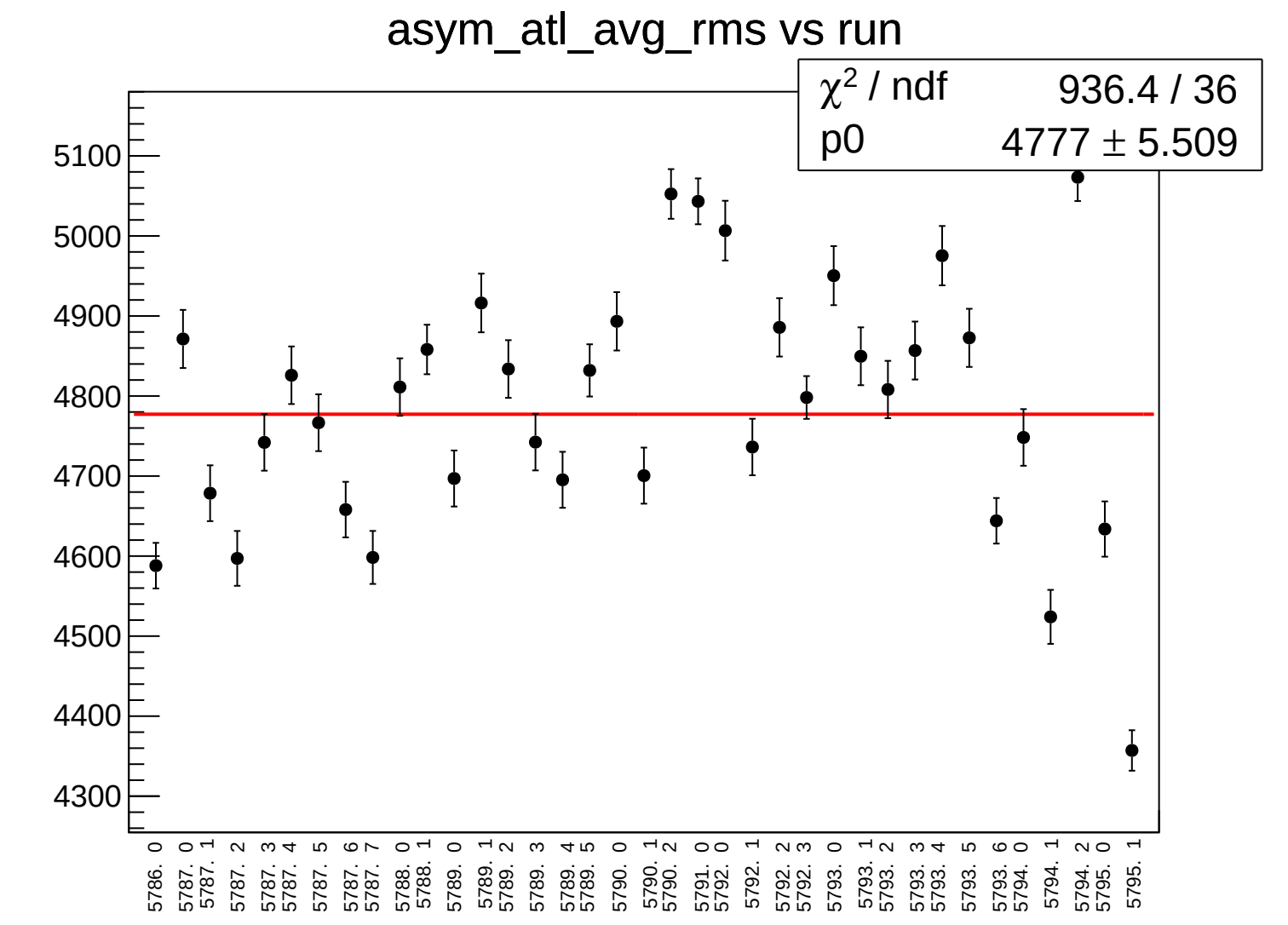

asym_atl_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.58 / 36
p0 −1.143e+04 ± 6891
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.92
Std Dev 0
2
1
0
−1
−2

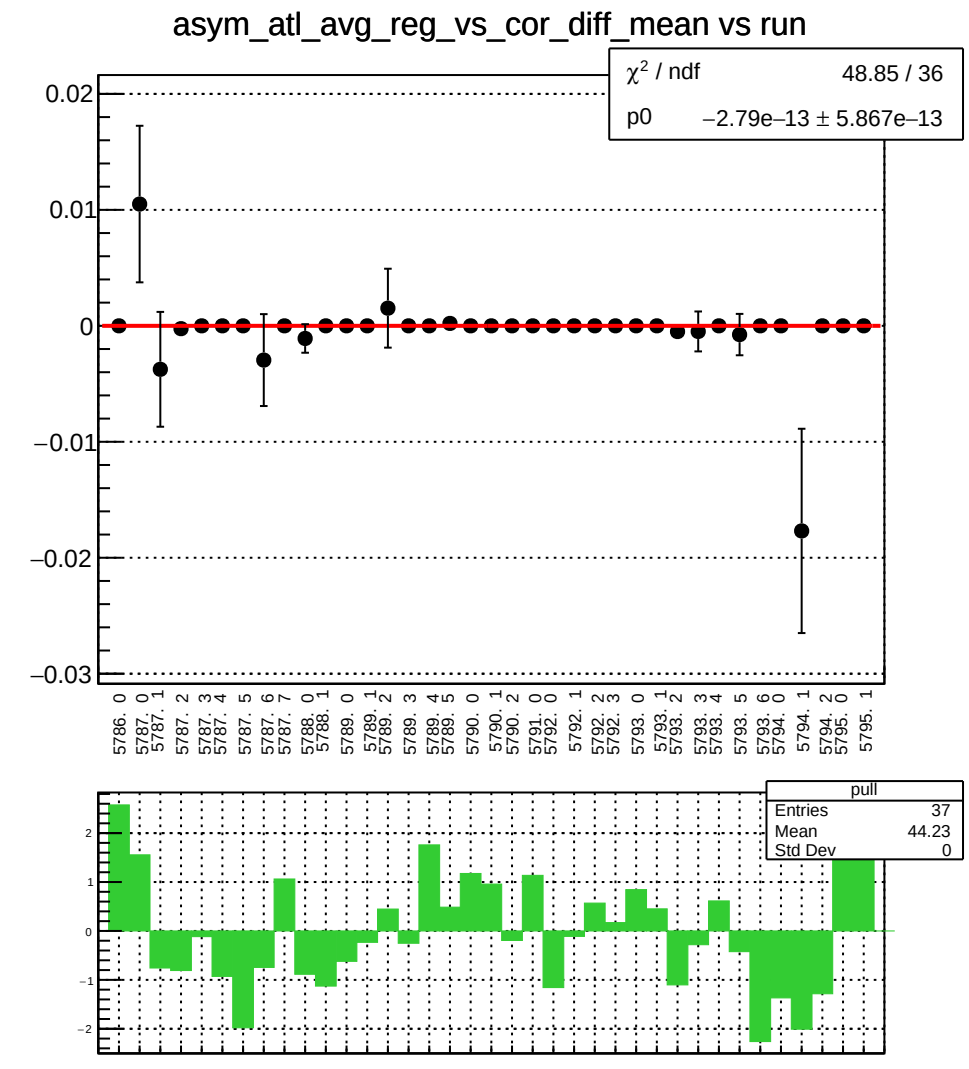

pull1D
Entries 37
Mean −0.01286
Std Dev 0.9805
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

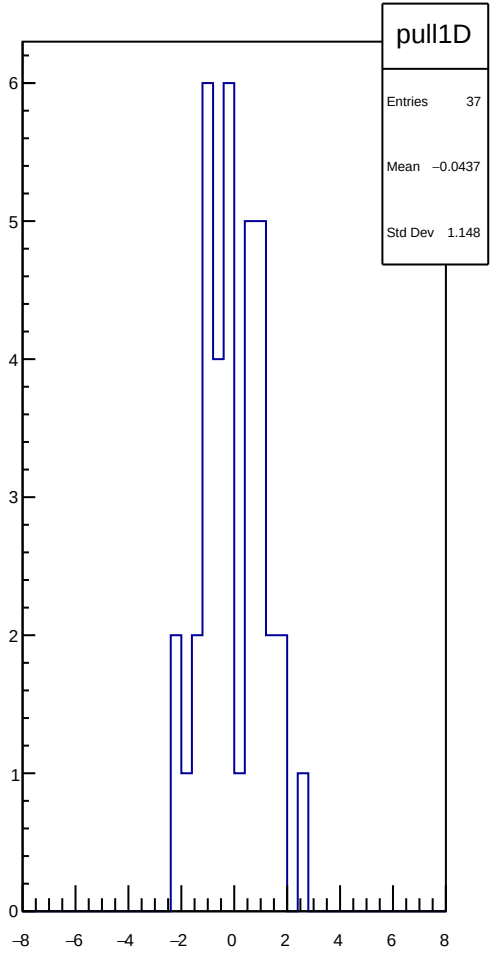

asym_atl_avg_eigen_dit_correction_rms vs run
χ² / ndf 1055 / 36
p0 4225 ± 4.872
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

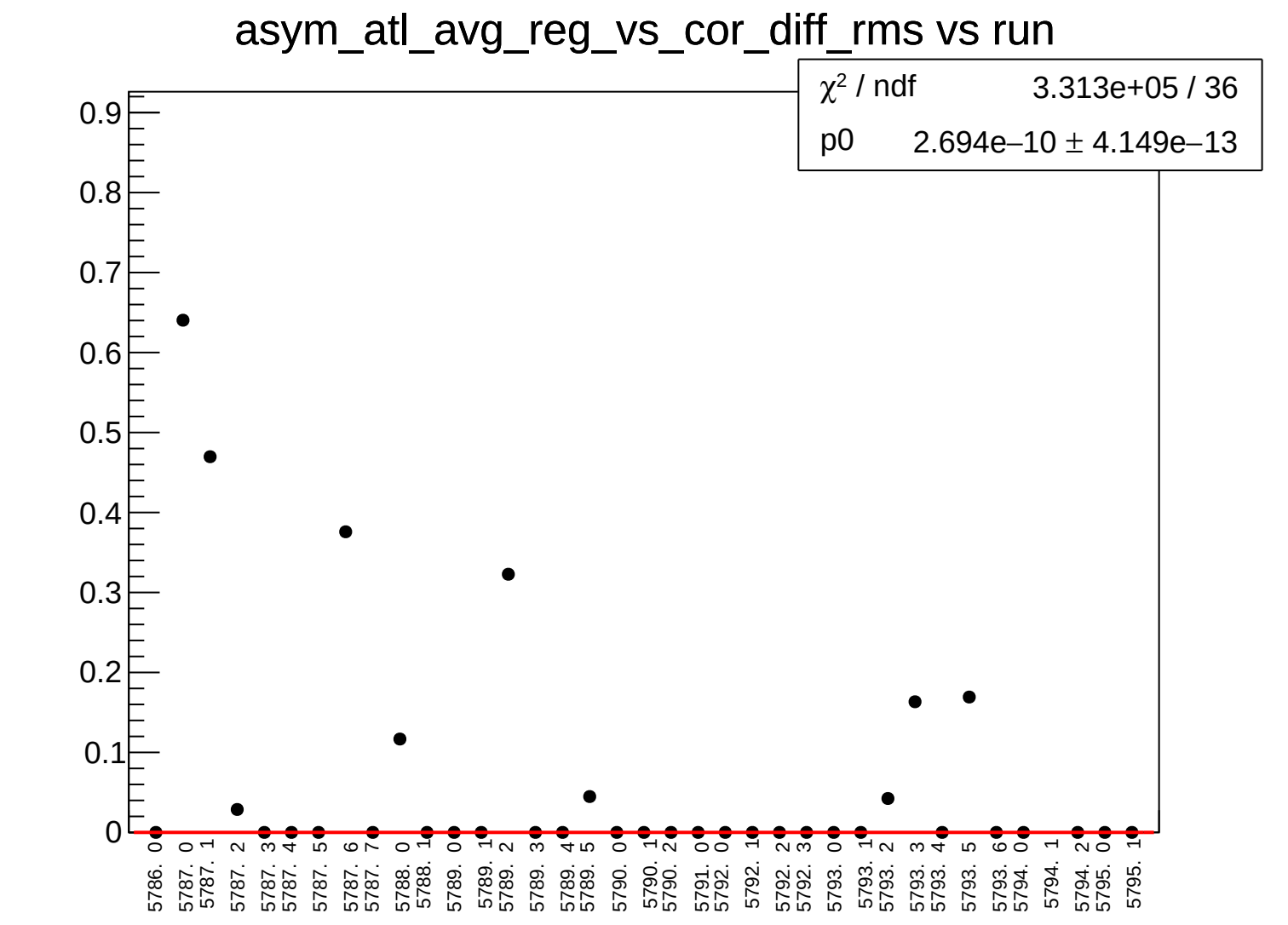

asym_atl_avg_mean vs run
×10^3
χ² / ndf 34.32 / 36
p0 1.785e+04 ± 7791
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 107
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

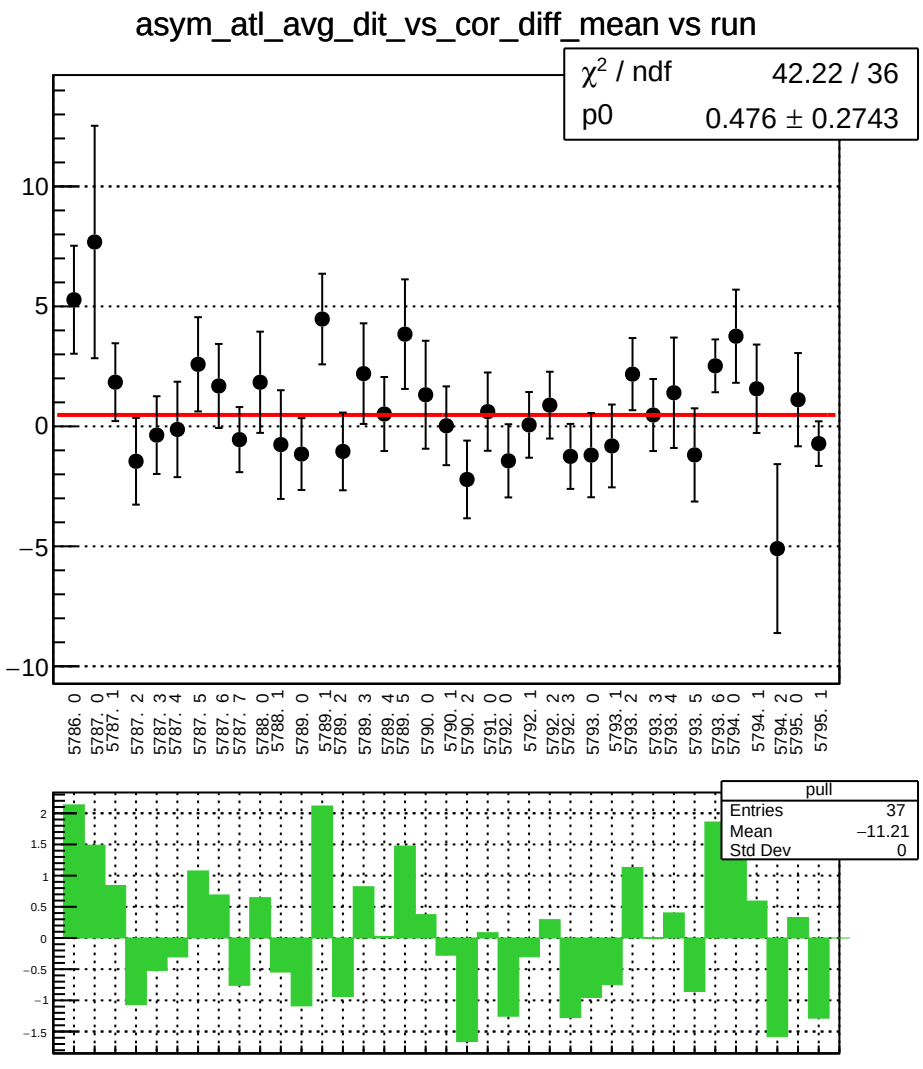

pull1D
Entries 37
Mean 0.00795
Std Dev 0.963
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

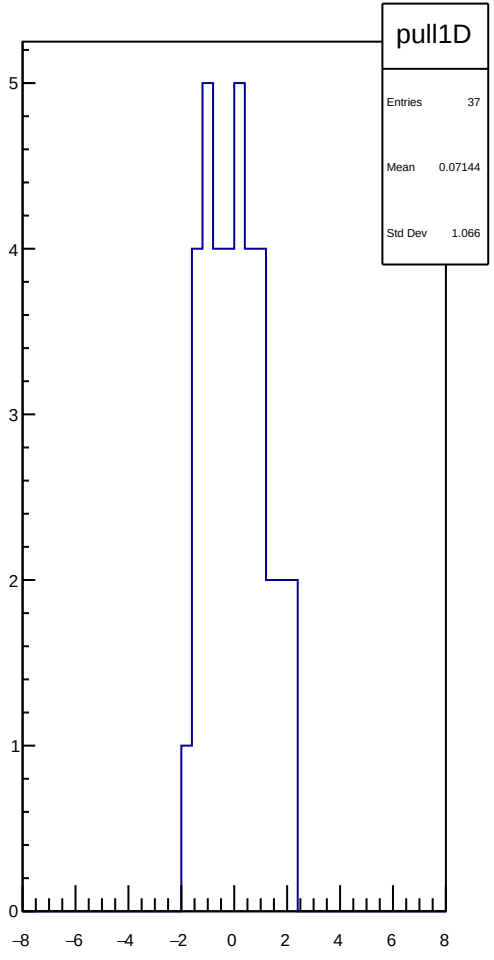

asym_atl_avg_rms vs run
χ² / ndf 936.4 / 36
p0 4777 ± 5.509
5100
5000
4900
4800
4700
4600
4500
4400
4300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

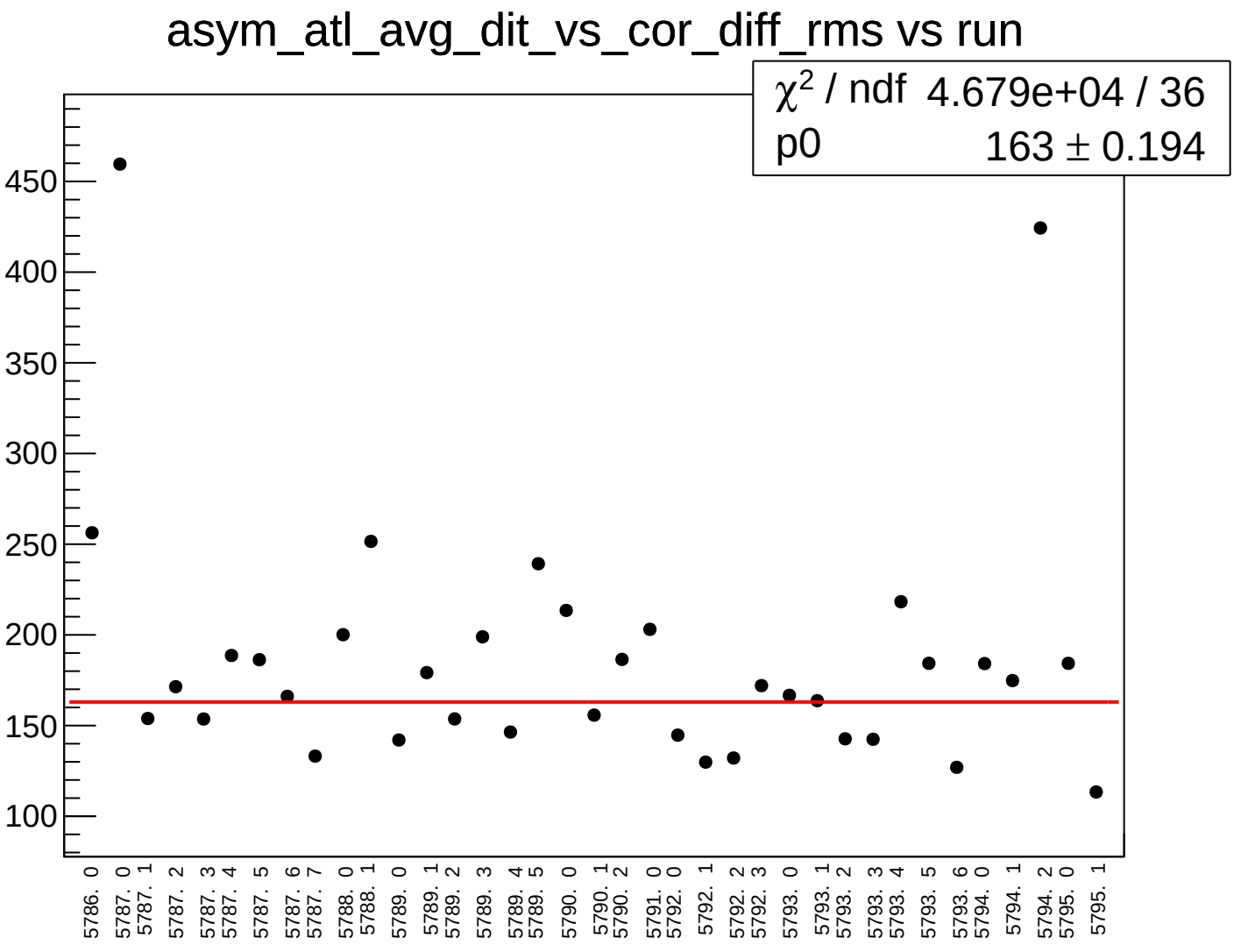

asym_atl_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 48.85 / 36
p0 −2.79e−13 ± 5.867e−13
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 44.23
Std Dev 0
2
1
0
−1
−2

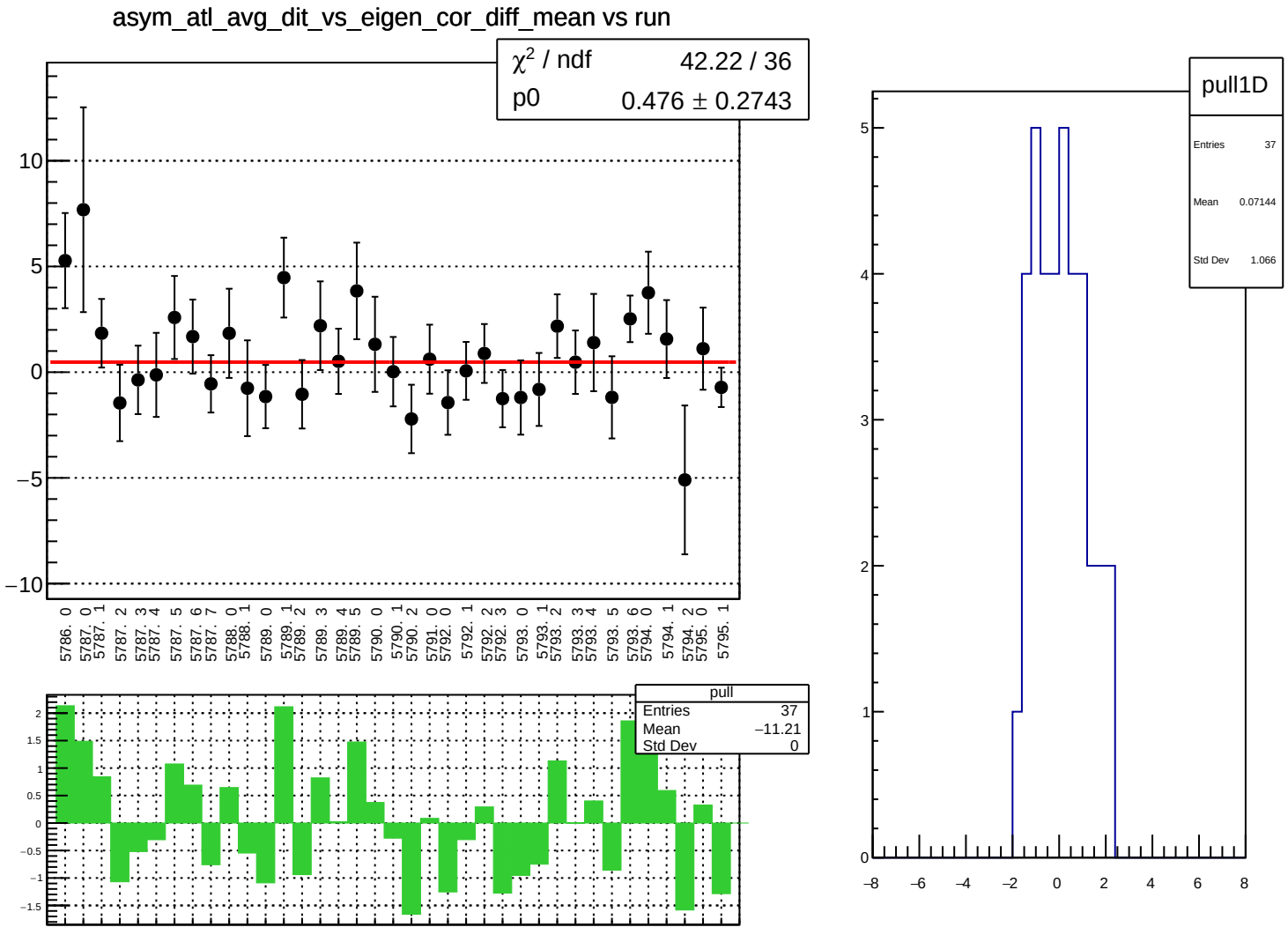

pull1D
Entries 37
Mean −0.0437
Std Dev 1.148
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

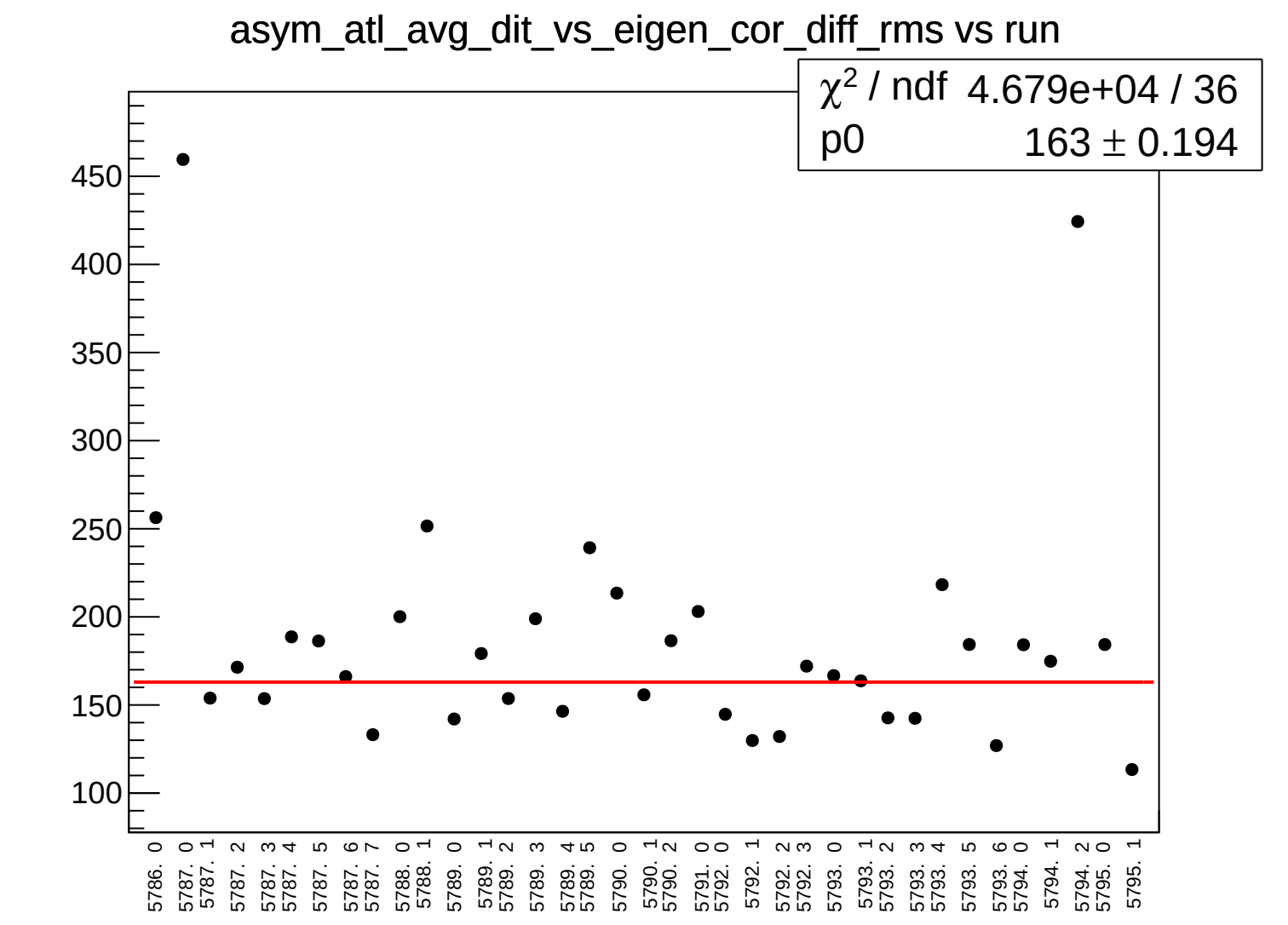

asym_atl_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.313e+05 / 36
p0 2.694e−10 ± 4.149e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

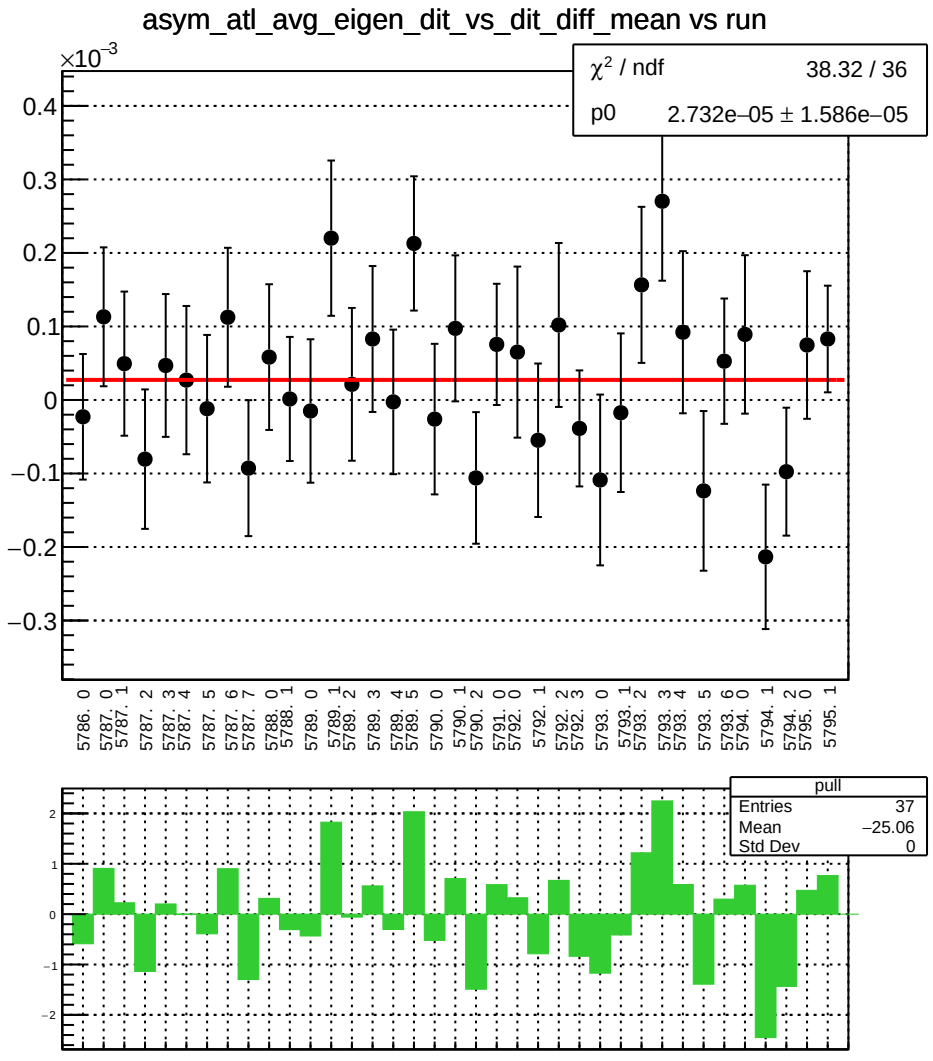

asym_atl_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.22 / 36
p0 0.476 ± 0.2743
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

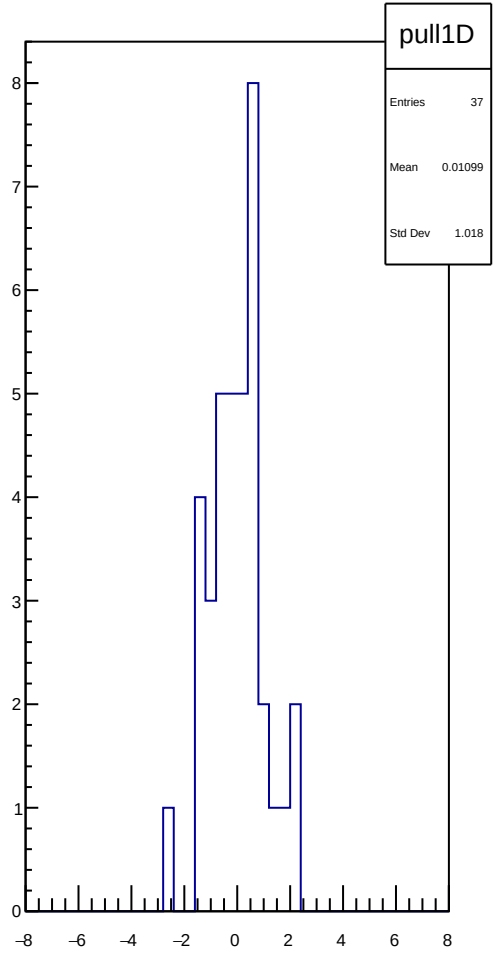

pull1D
Entries 37
Mean 0.07144
Std Dev 1.066
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

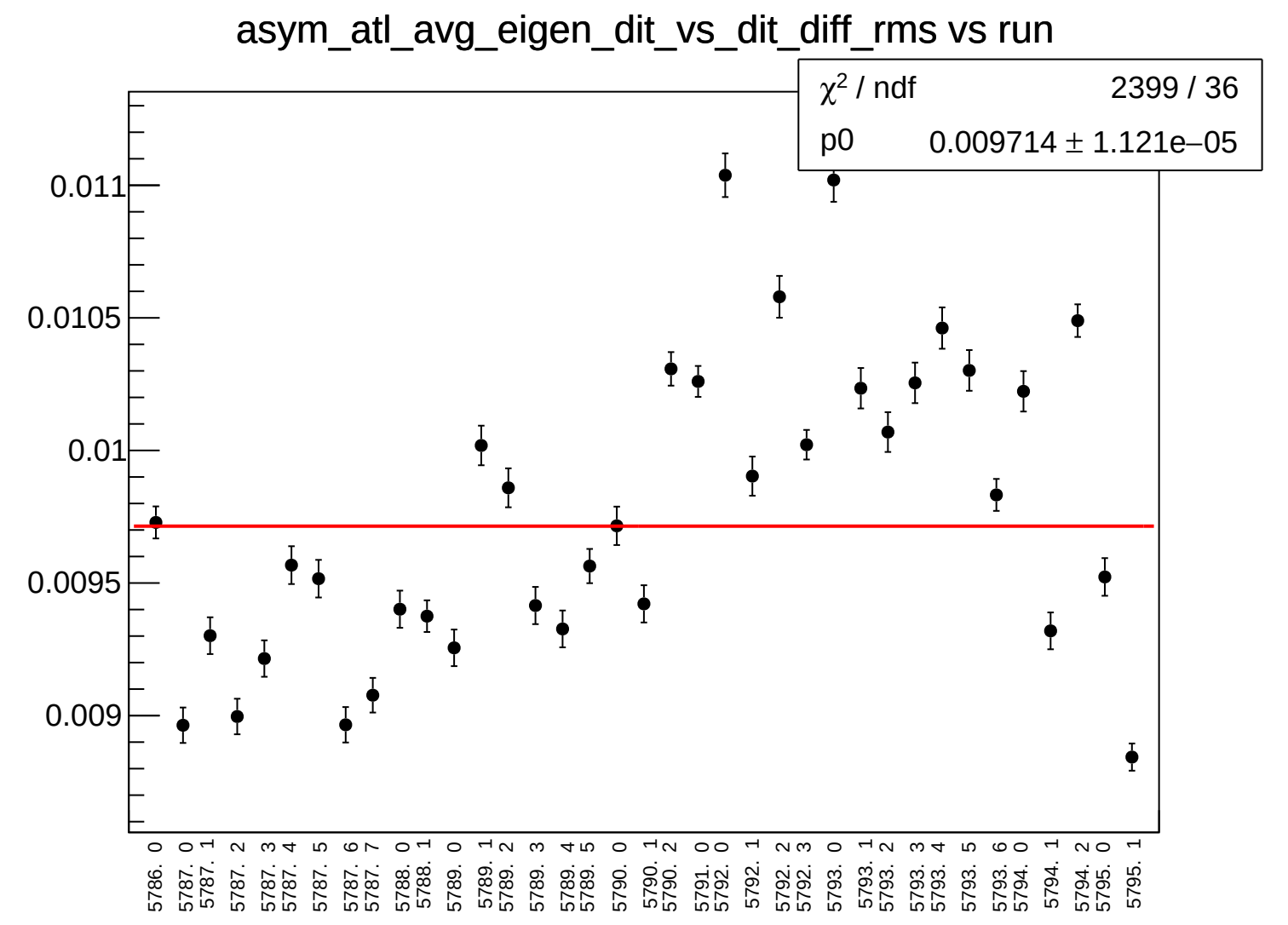

asym_atl_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.679e+04 / 36
p0 163 ± 0.194
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

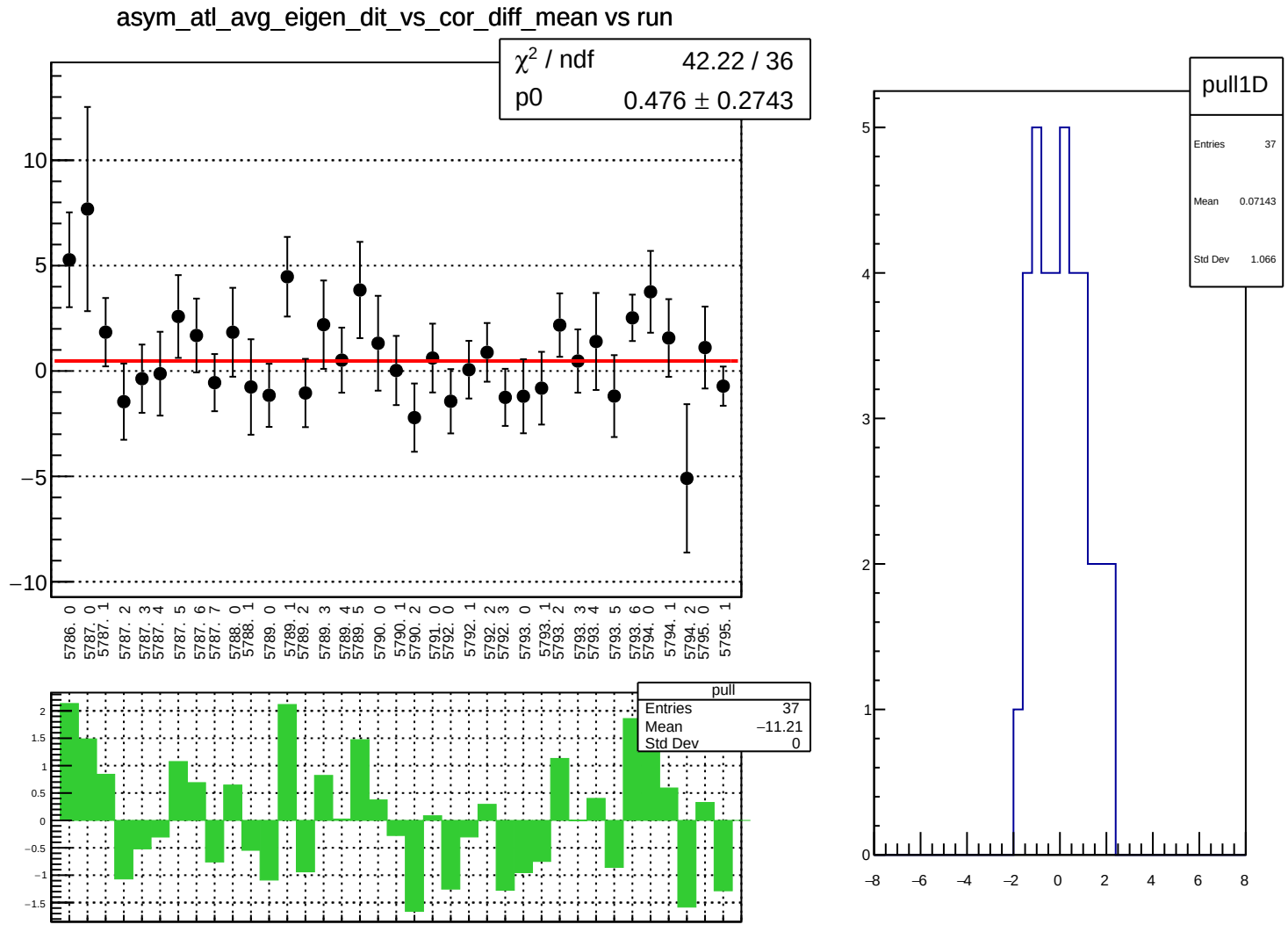

asym_atl_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.22 / 36
p0 0.476 ± 0.2743
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.07144
Std Dev 1.066
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

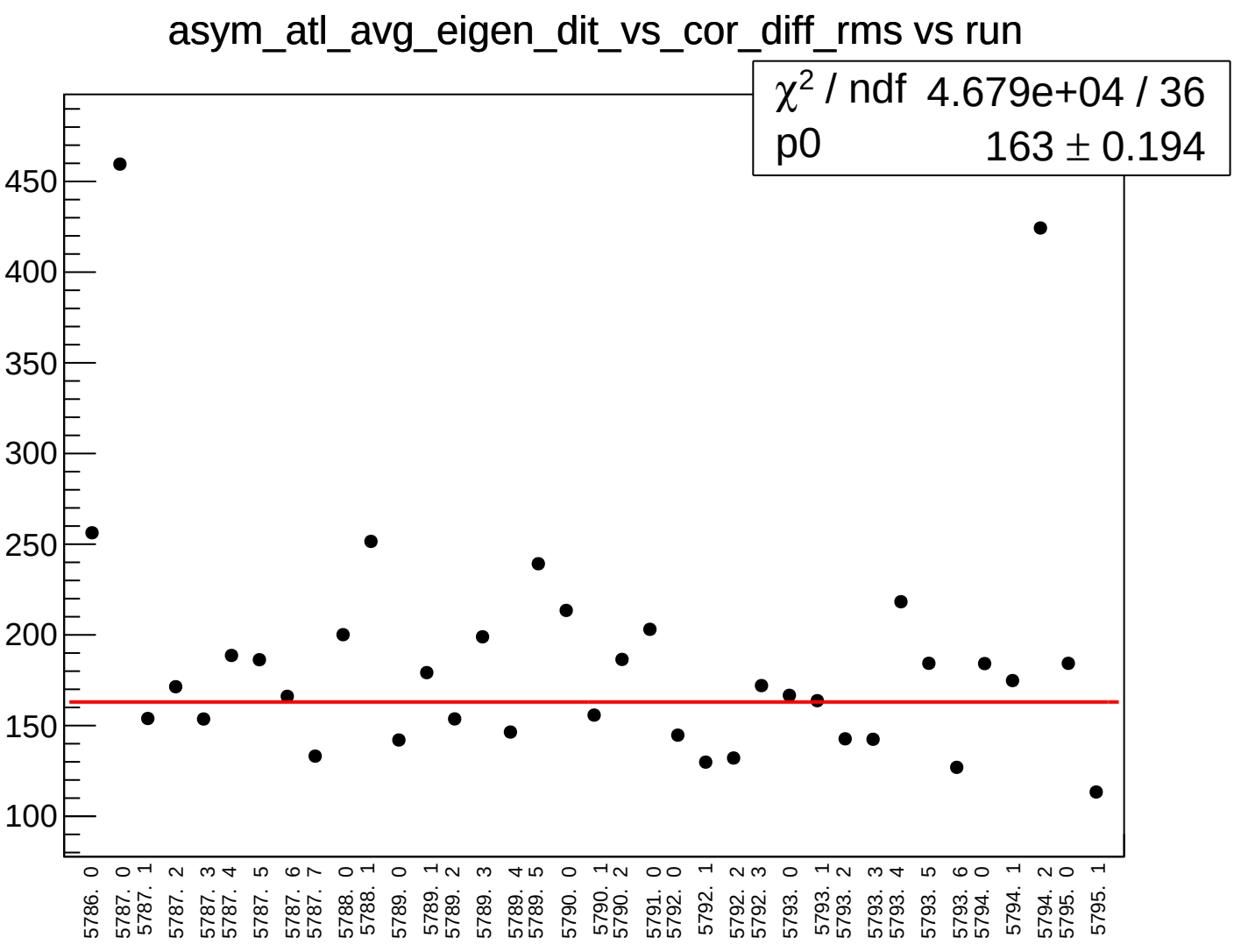

asym_atl_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.679e+04 / 36
p0 163 ± 0.194
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

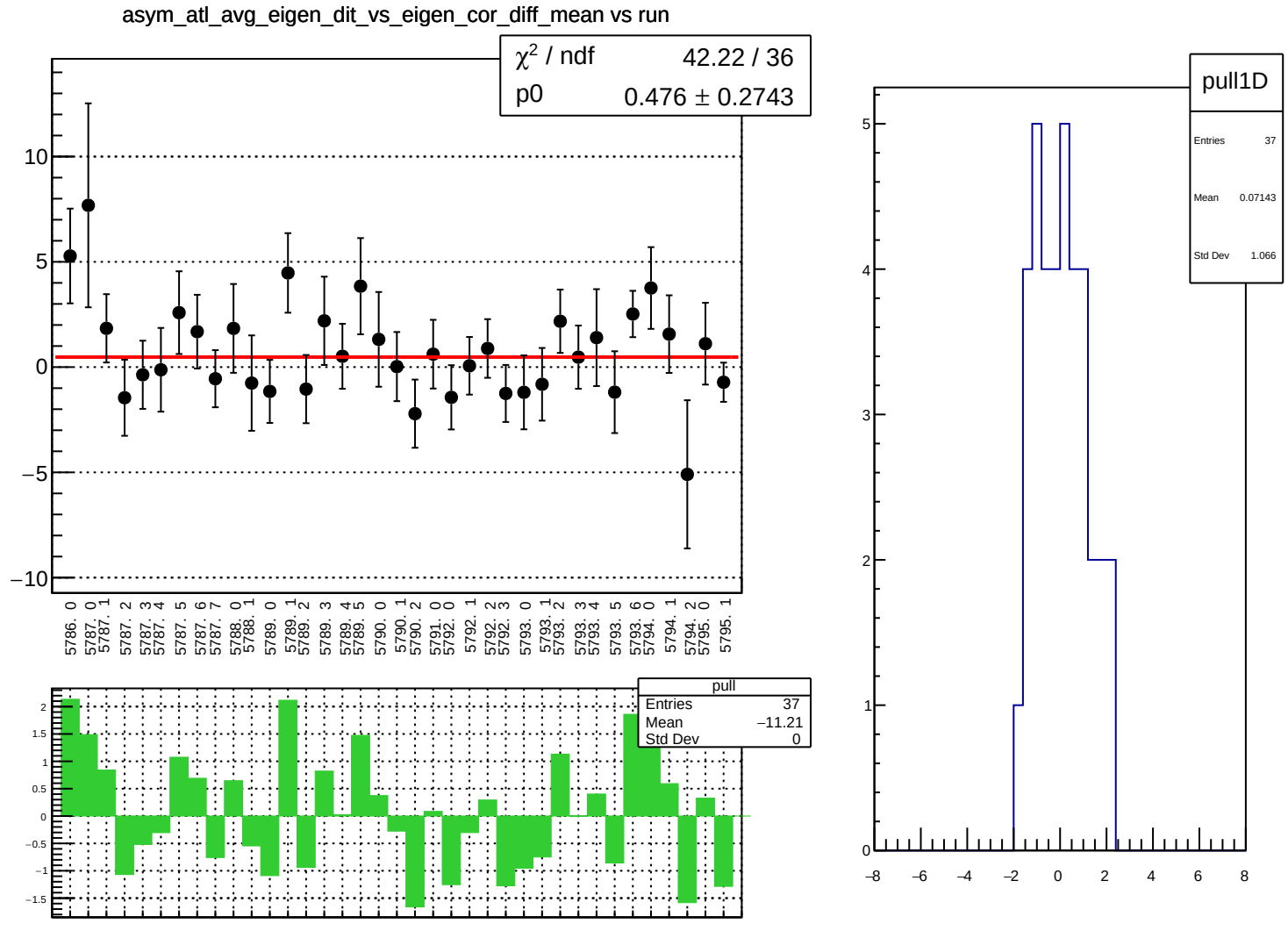

asym_atl_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.32 / 36
p0 2.732e−05 ± 1.586e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −25.06
Std Dev 0
2
1
0
−1
−2

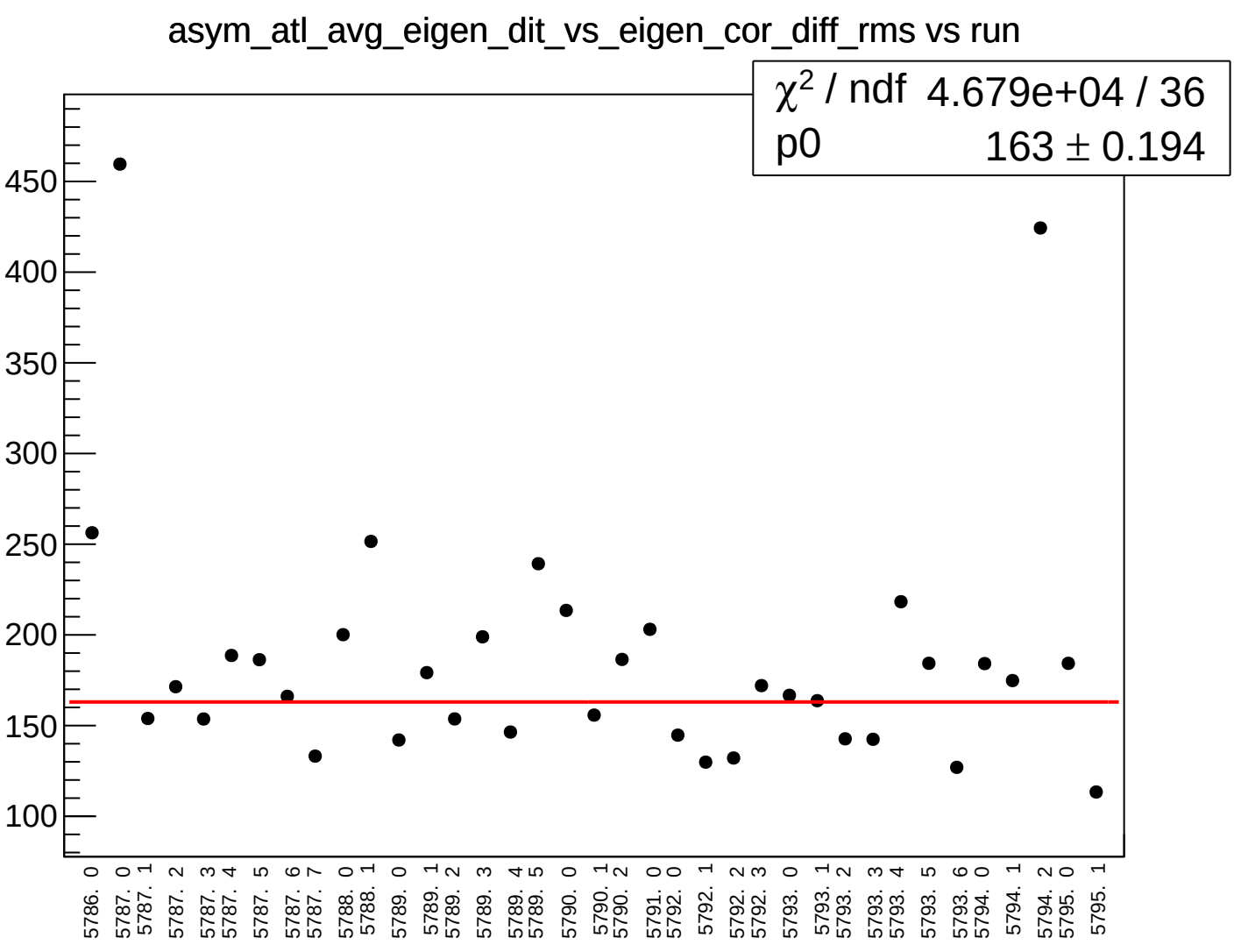

pull1D
Entries 37
Mean 0.01099
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

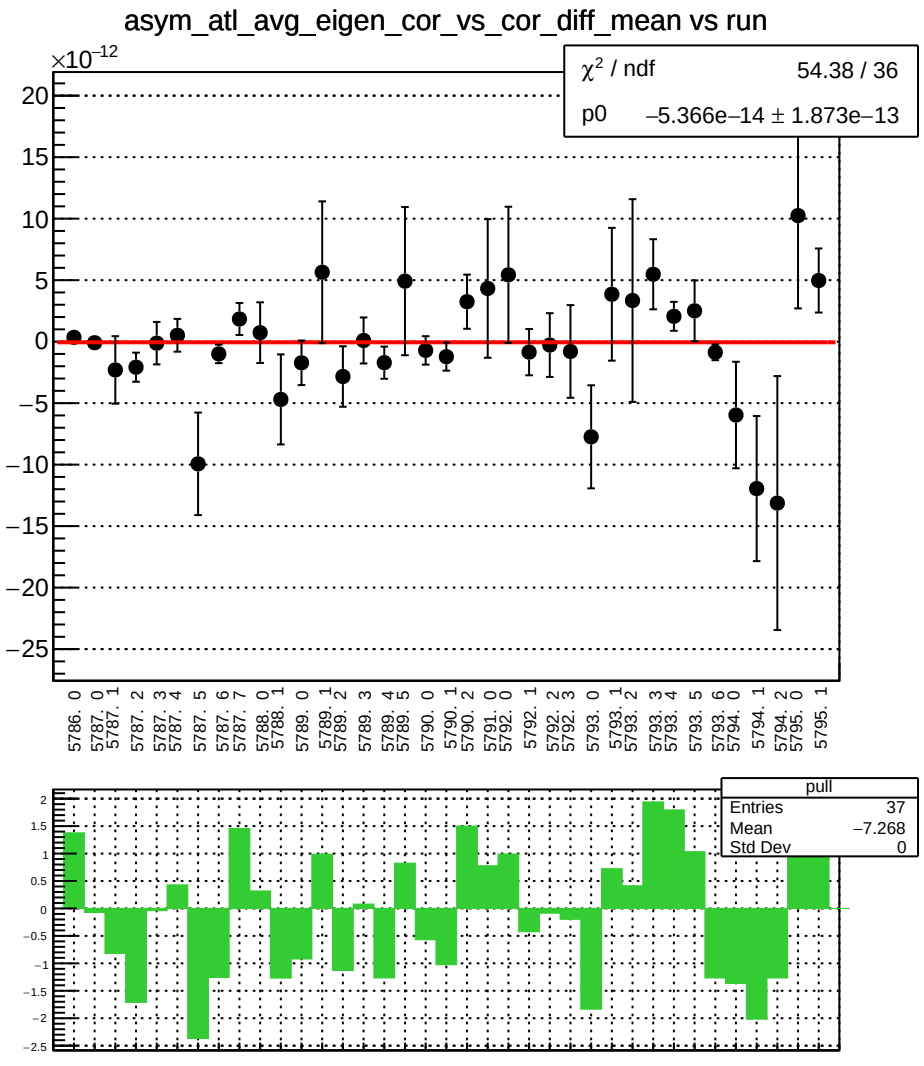

asym_atl_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2399 / 36
p0 0.009714 ± 1.121e−05
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

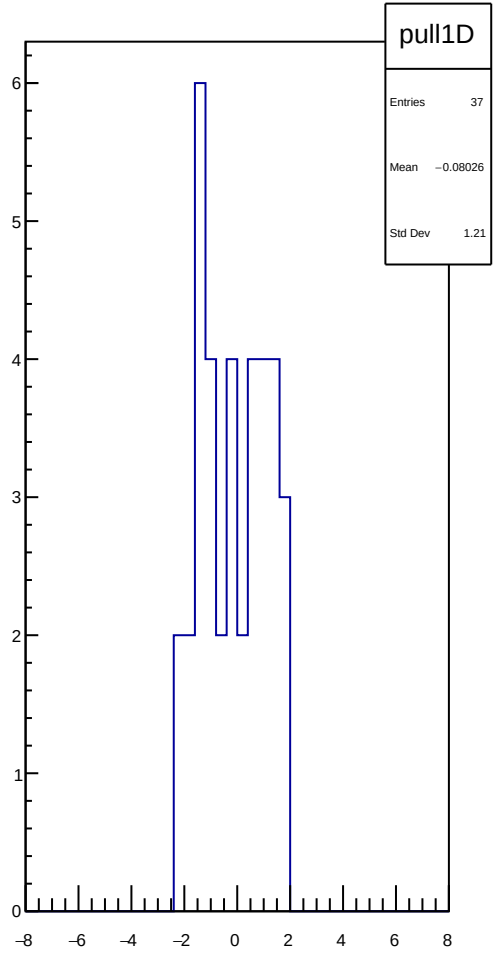

asym_atl_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.22 / 36
p0 0.476 ± 0.2743
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.07143
Std Dev 1.066
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

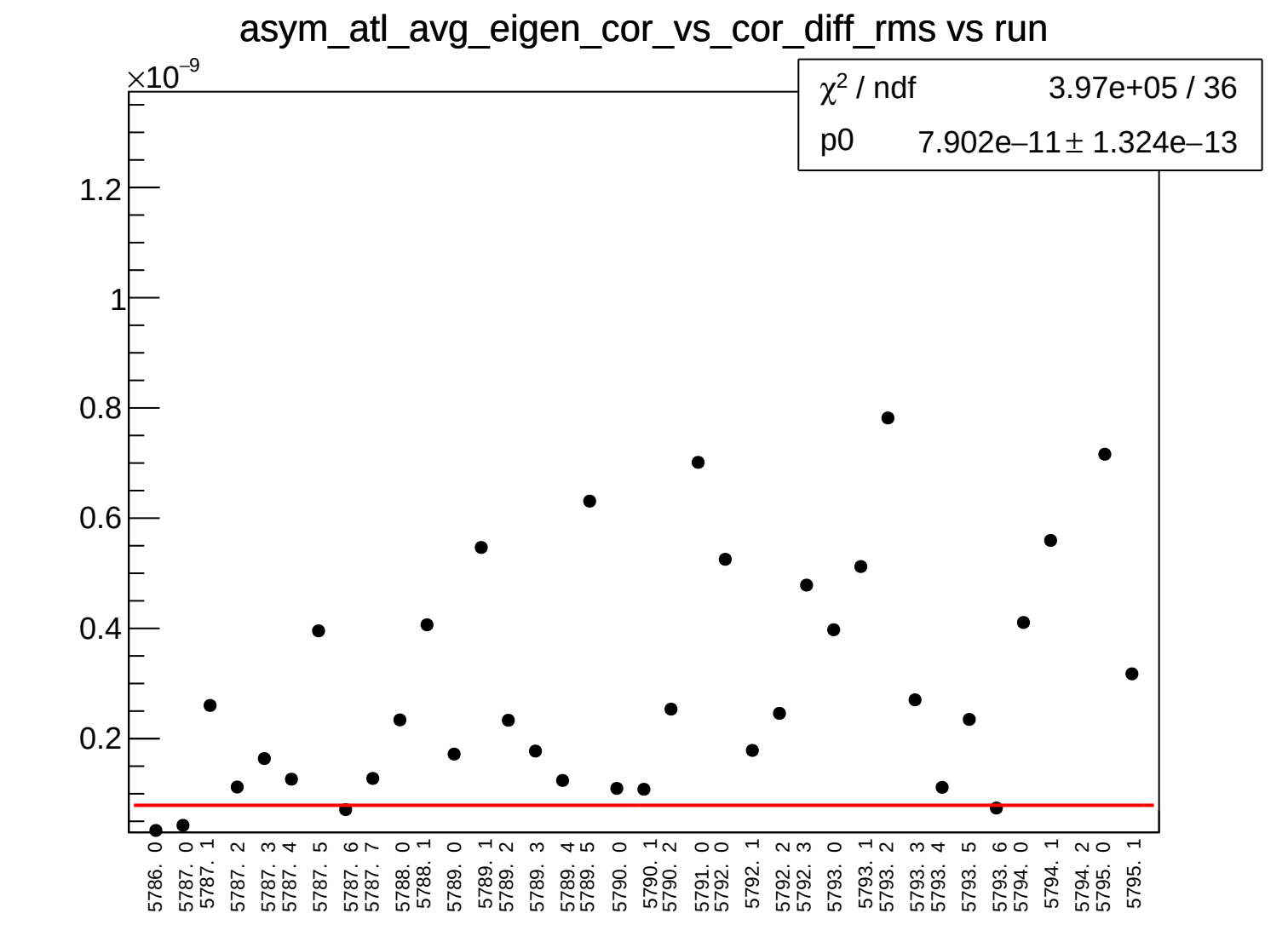

asym_atl_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.679e+04 / 36
p0 163 ± 0.194
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

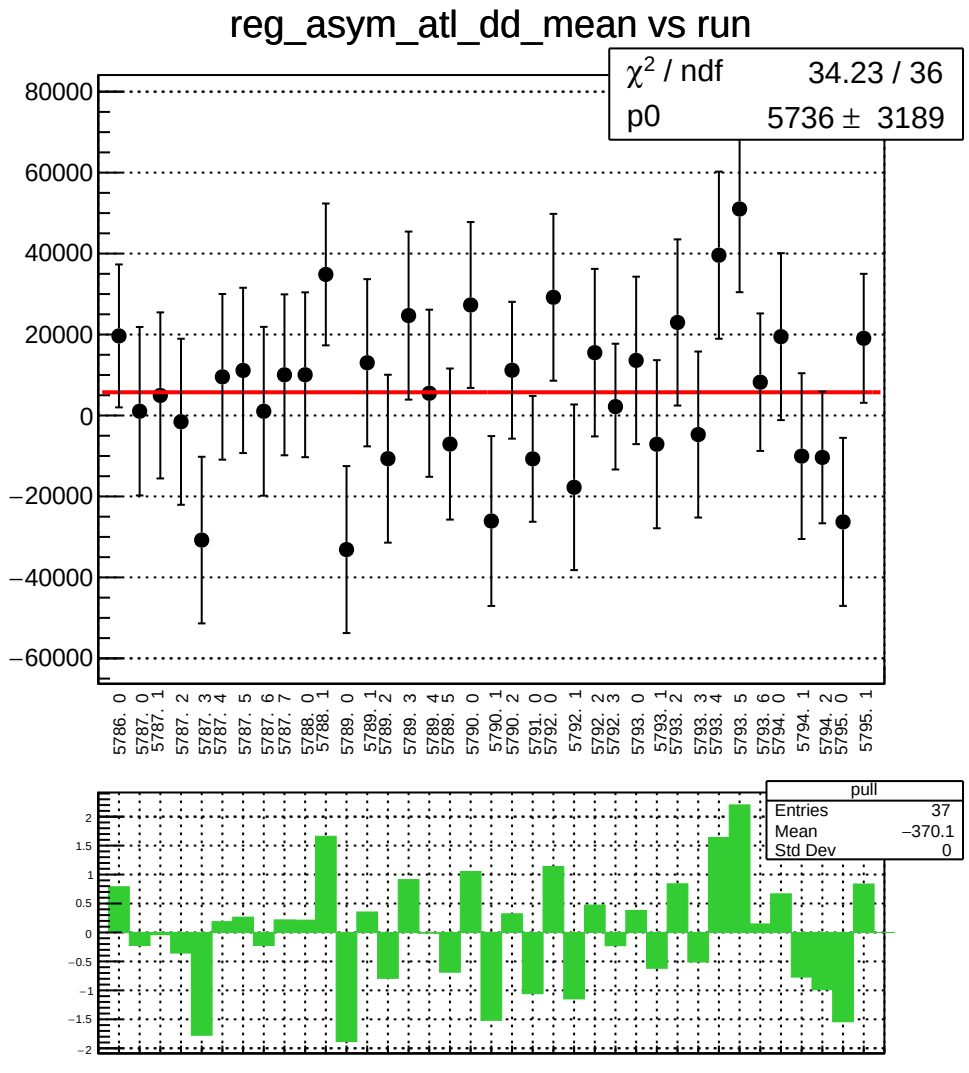

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.22 / 36
p0 0.476 ± 0.2743
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.07143
Std Dev 1.066
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

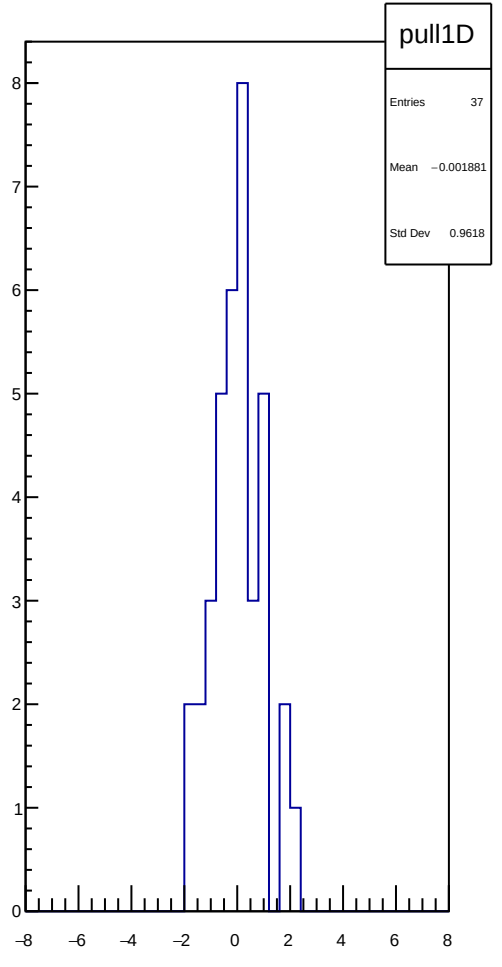

asym_atl_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.679e+04 / 36
p0 163 ± 0.194
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

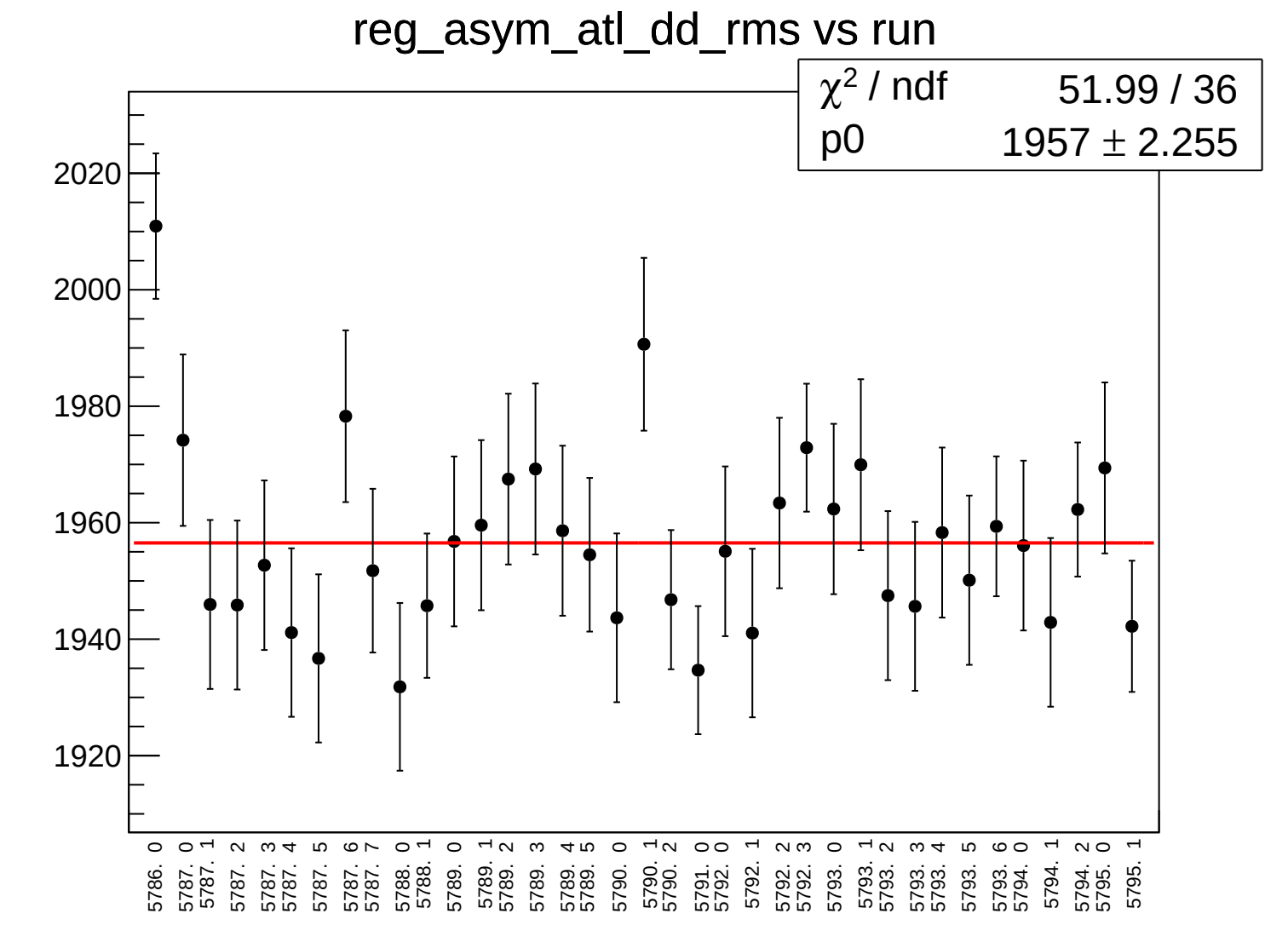

asym_atl_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 54.38 / 36
p0 −5.366e−14 ± 1.873e−13
pull
Entries 37
Mean −7.268
Std Dev 0

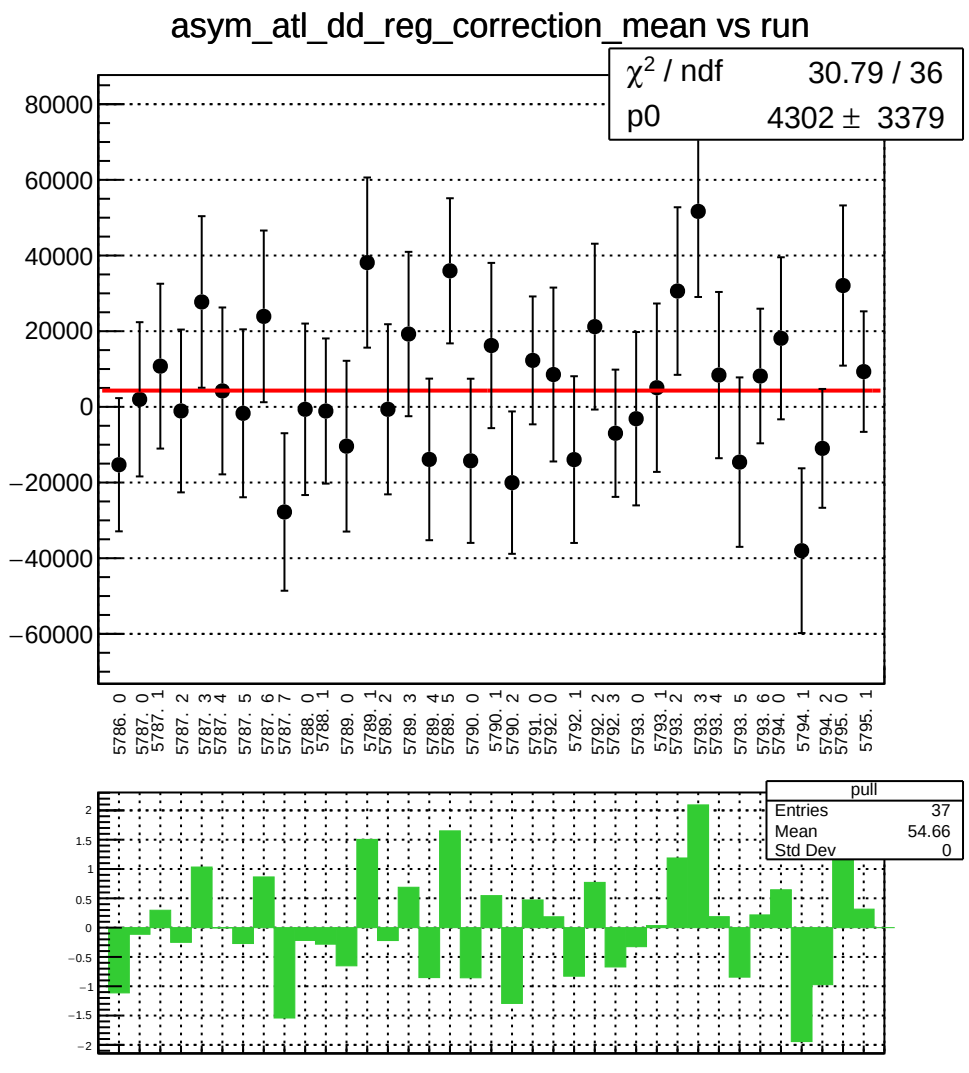

pull1D
Entries 37
Mean −0.08026
Std Dev 1.21

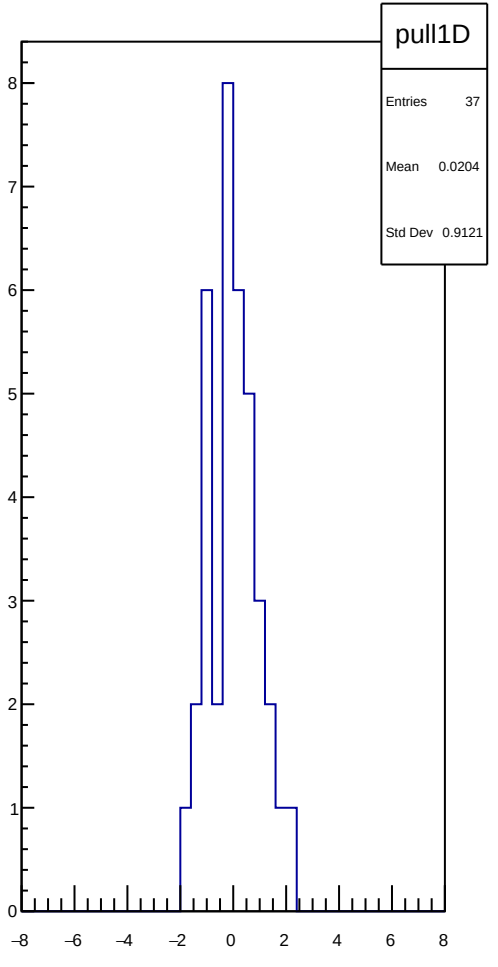

asym_atl_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.97e+05 / 36
p0 7.902e−11 ± 1.324e−13
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

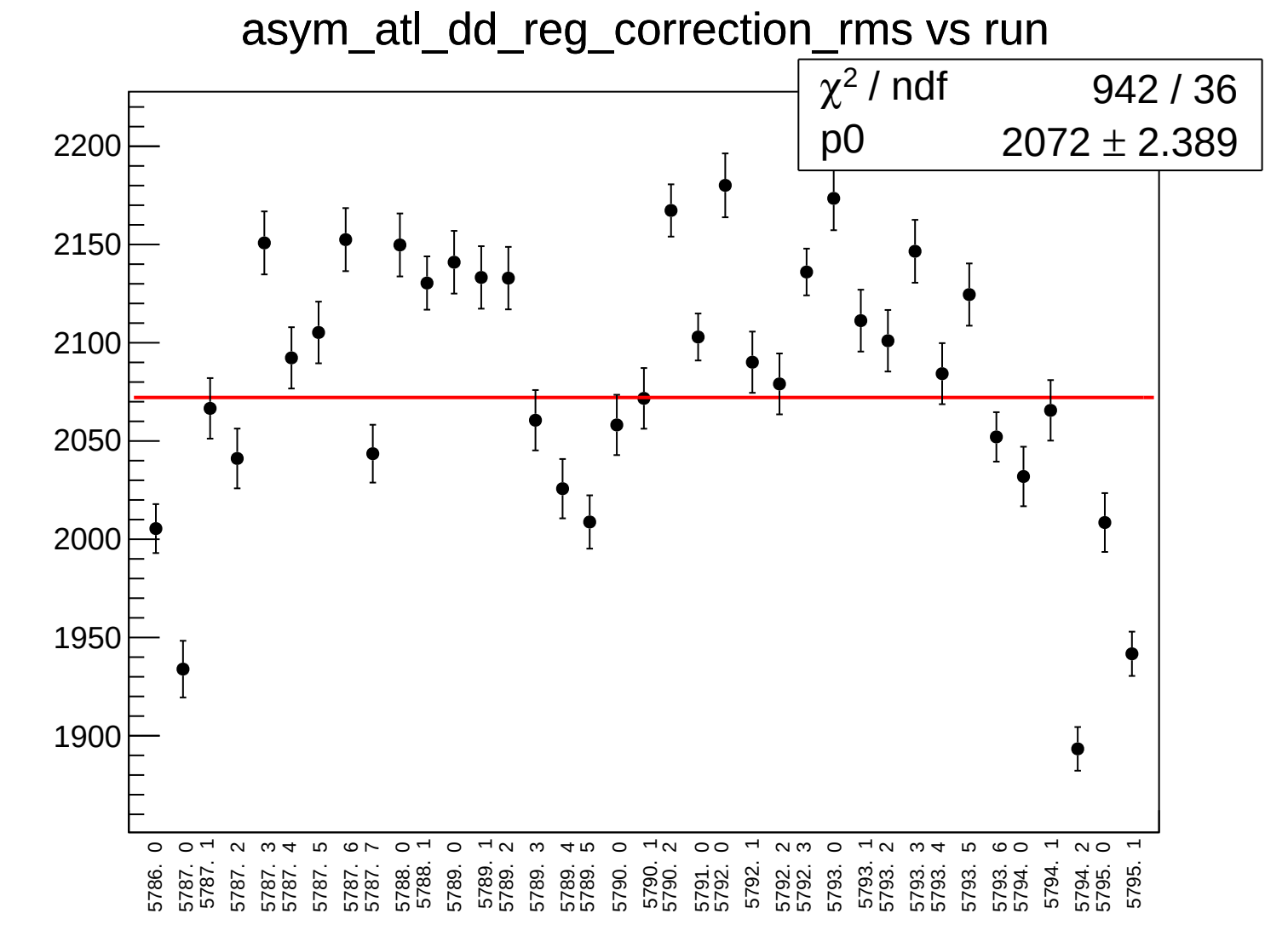

reg_asym_atl_dd_mean vs run
χ² / ndf 34.23 / 36
p0 5736 ± 3189
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −370.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

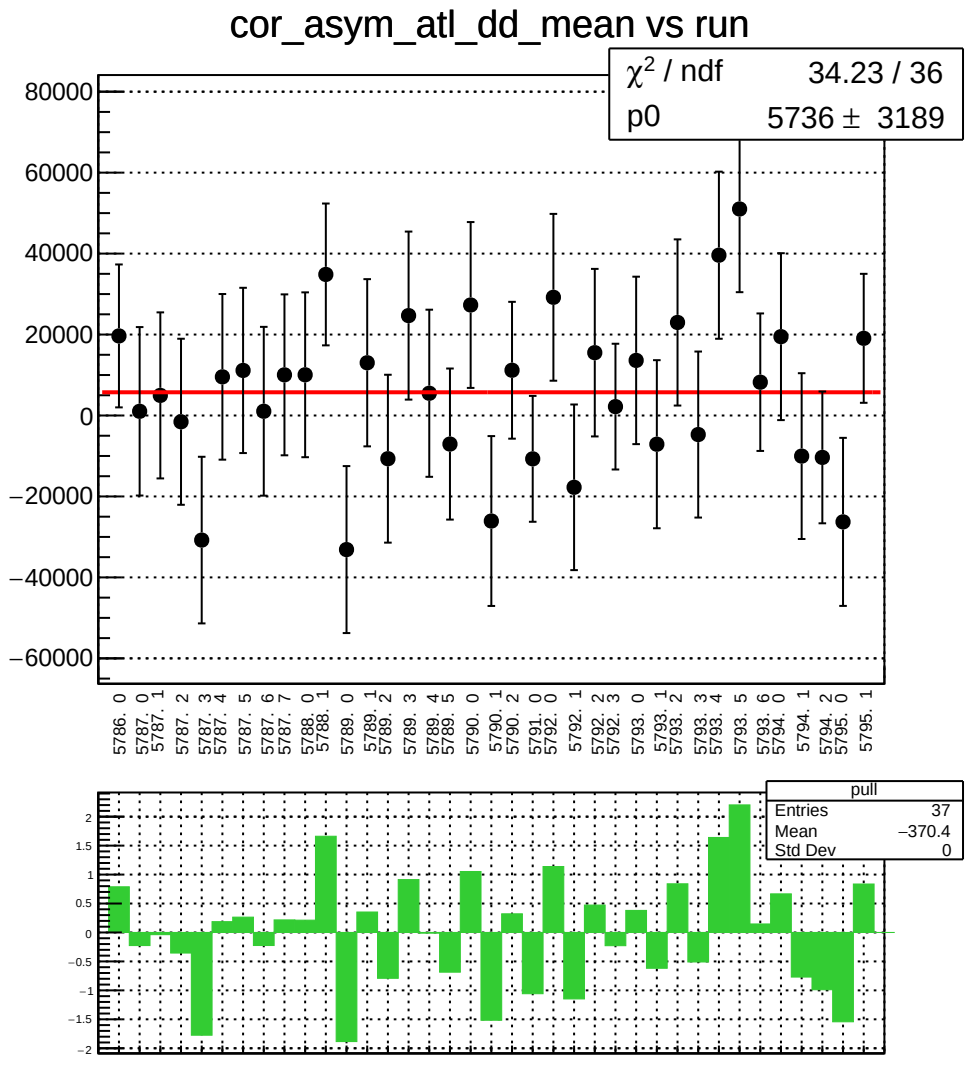

pull1D
Entries 37
Mean −0.001881
Std Dev 0.9618
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

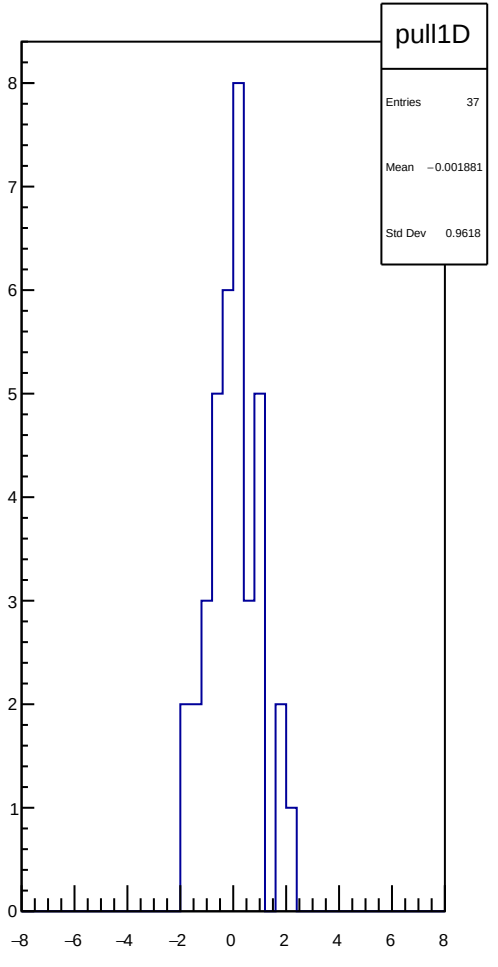

reg_asym_atl_dd_rms vs run
χ² / ndf 51.99 / 36
p0 1957 ± 2.255
2020
2000
1980
1960
1940
1920
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

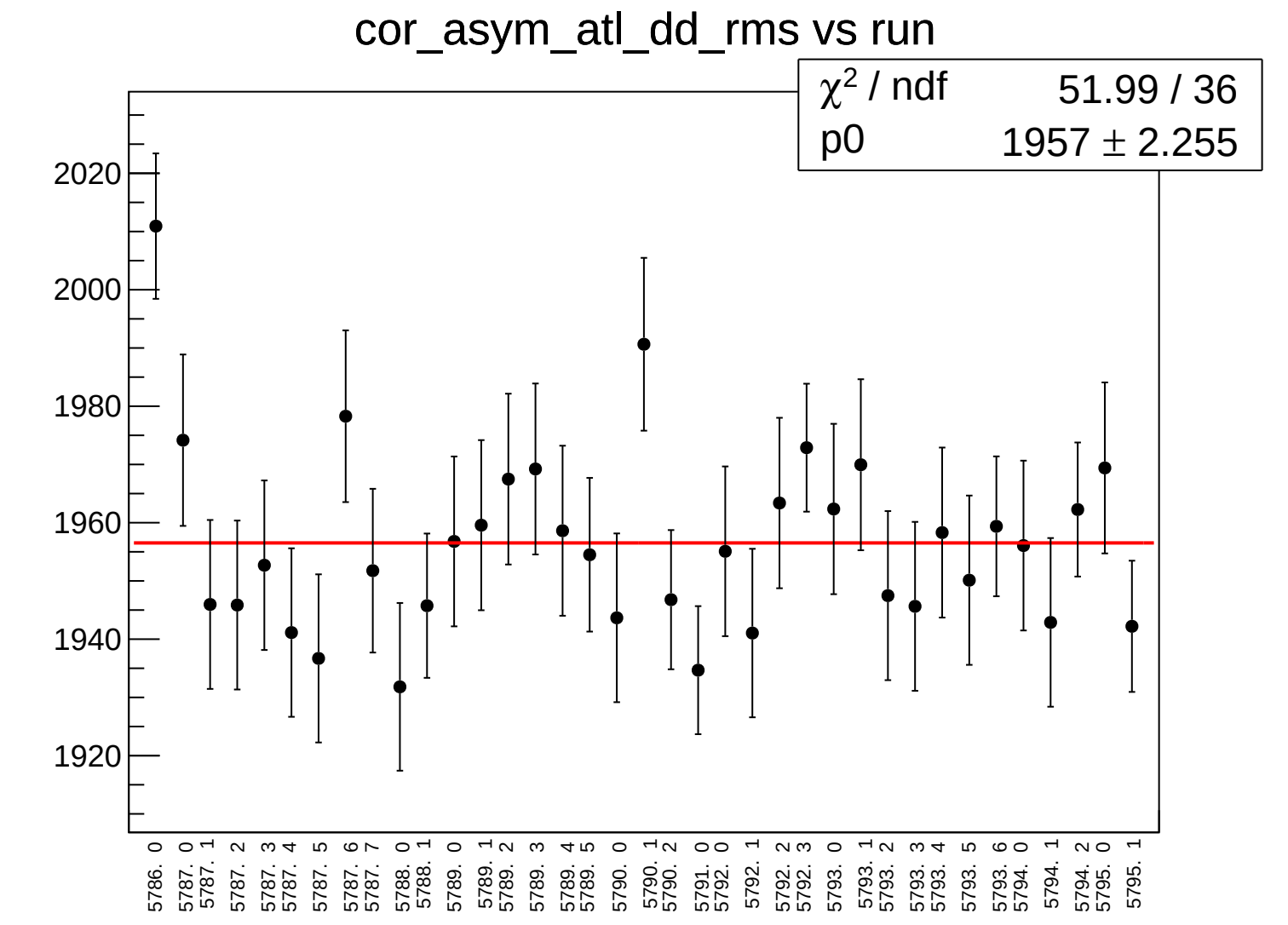

asym_atl_dd_reg_correction_mean vs run
χ² / ndf 30.79 / 36
p0 4302 ± 3379
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 54.66
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

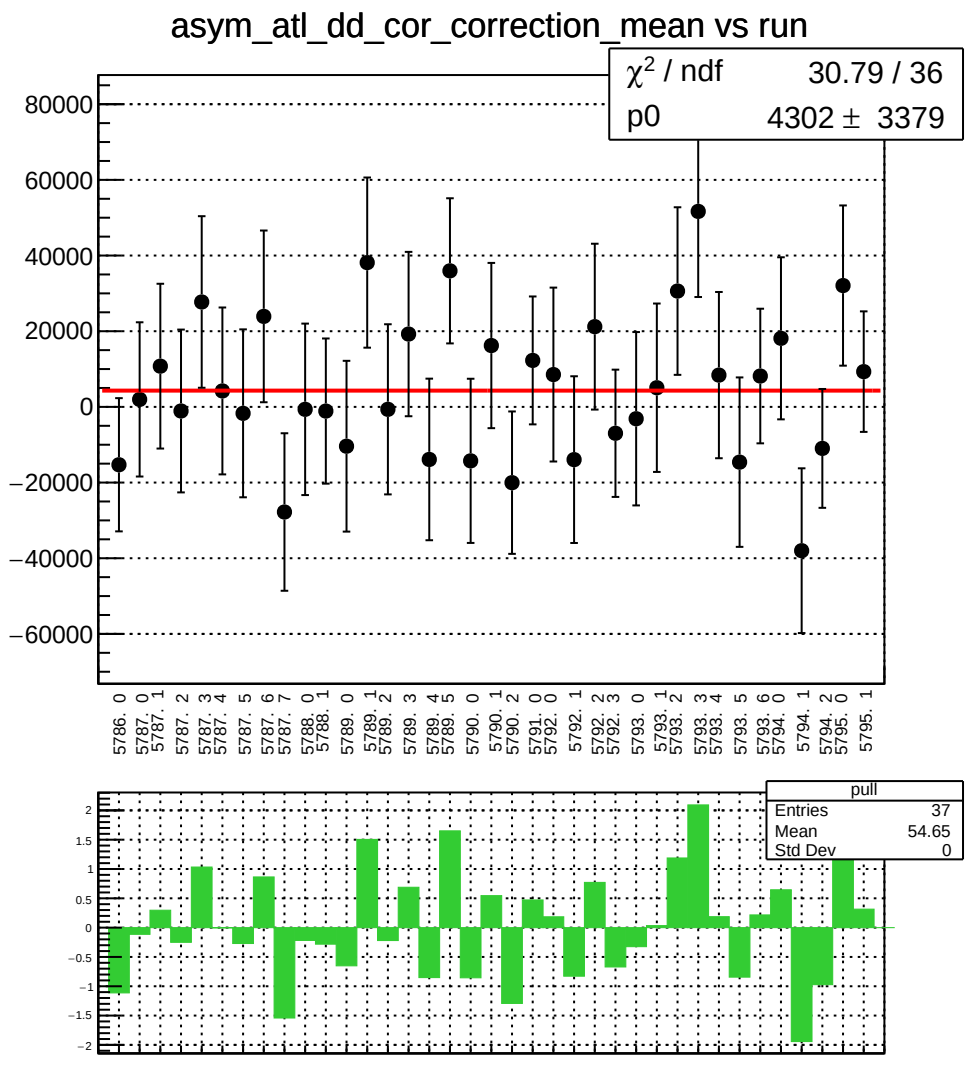

pull1D
Entries 37
Mean 0.0204
Std Dev 0.9121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

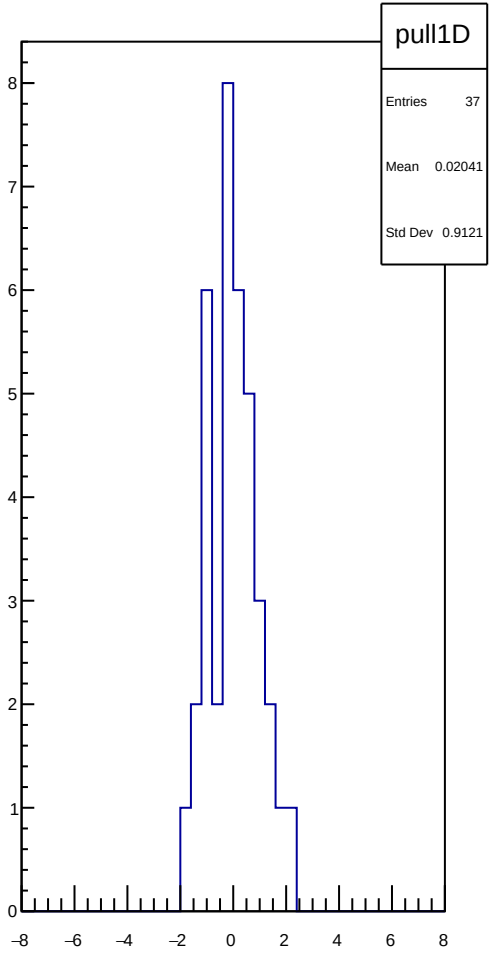

asym_atl_dd_reg_correction_rms vs run
χ² / ndf 942 / 36
p0 2072 ± 2.389
2200
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

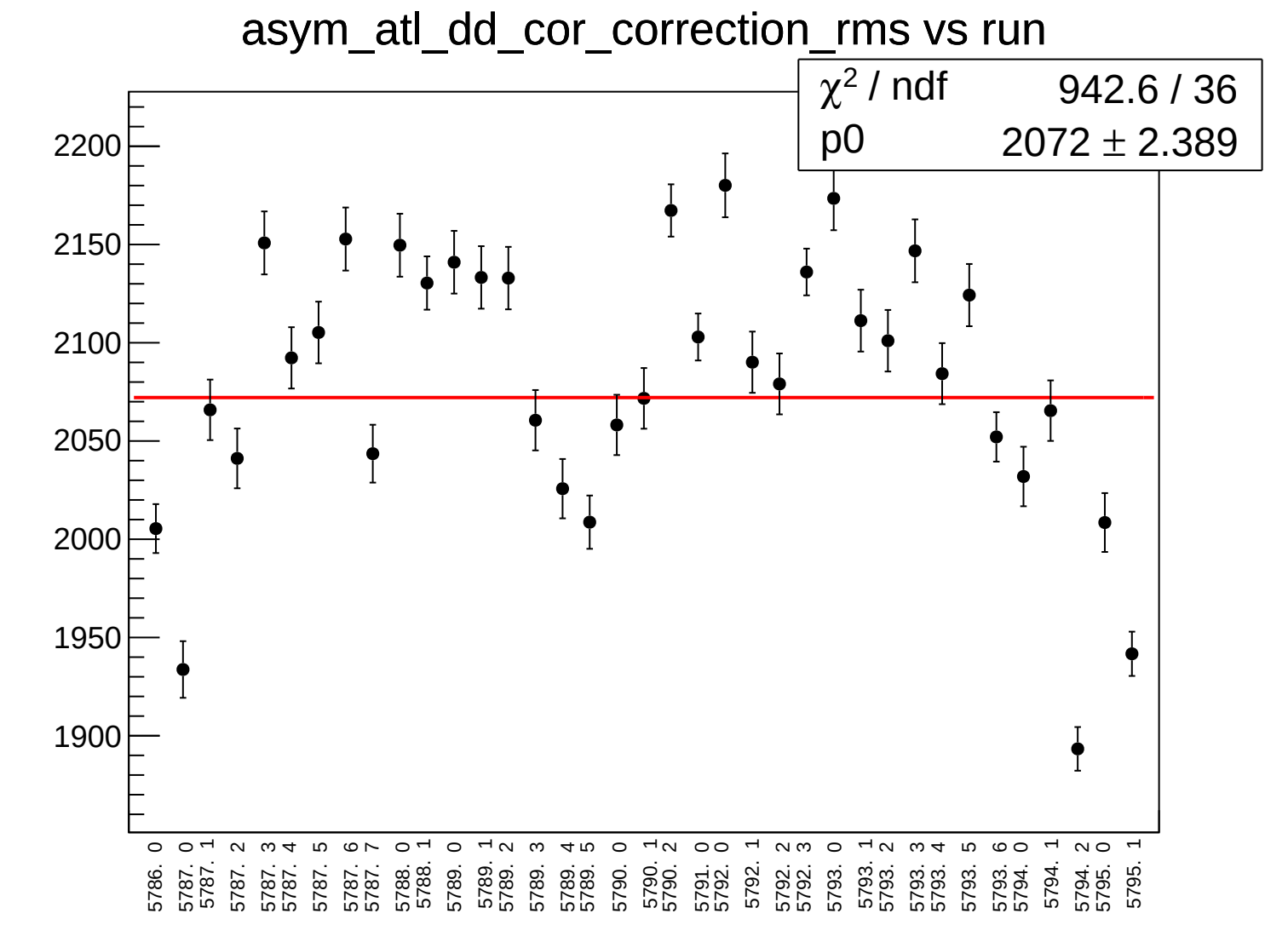

cor_asym_atl_dd_mean vs run
χ² / ndf 34.23 / 36
p0 5736 ± 3189
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −370.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

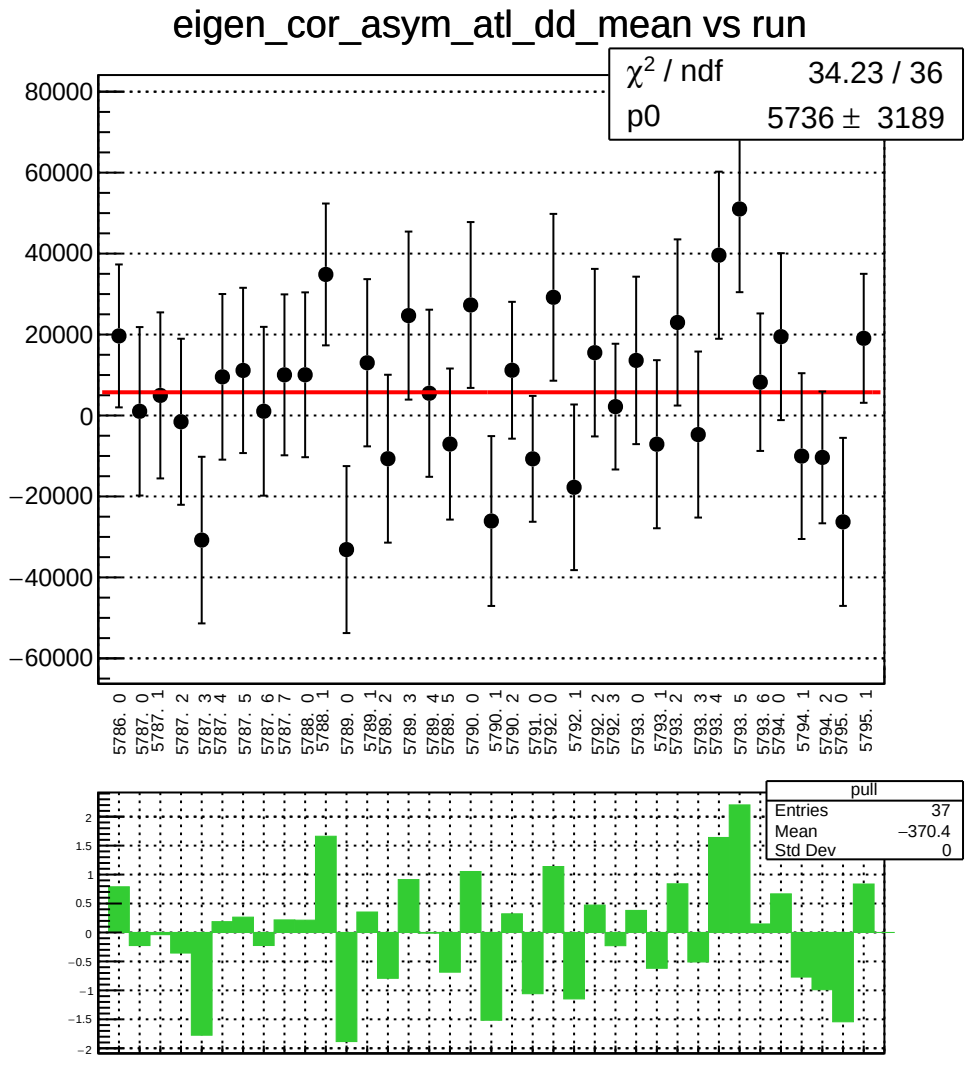

pull1D
Entries 37
Mean −0.001881
Std Dev 0.9618
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

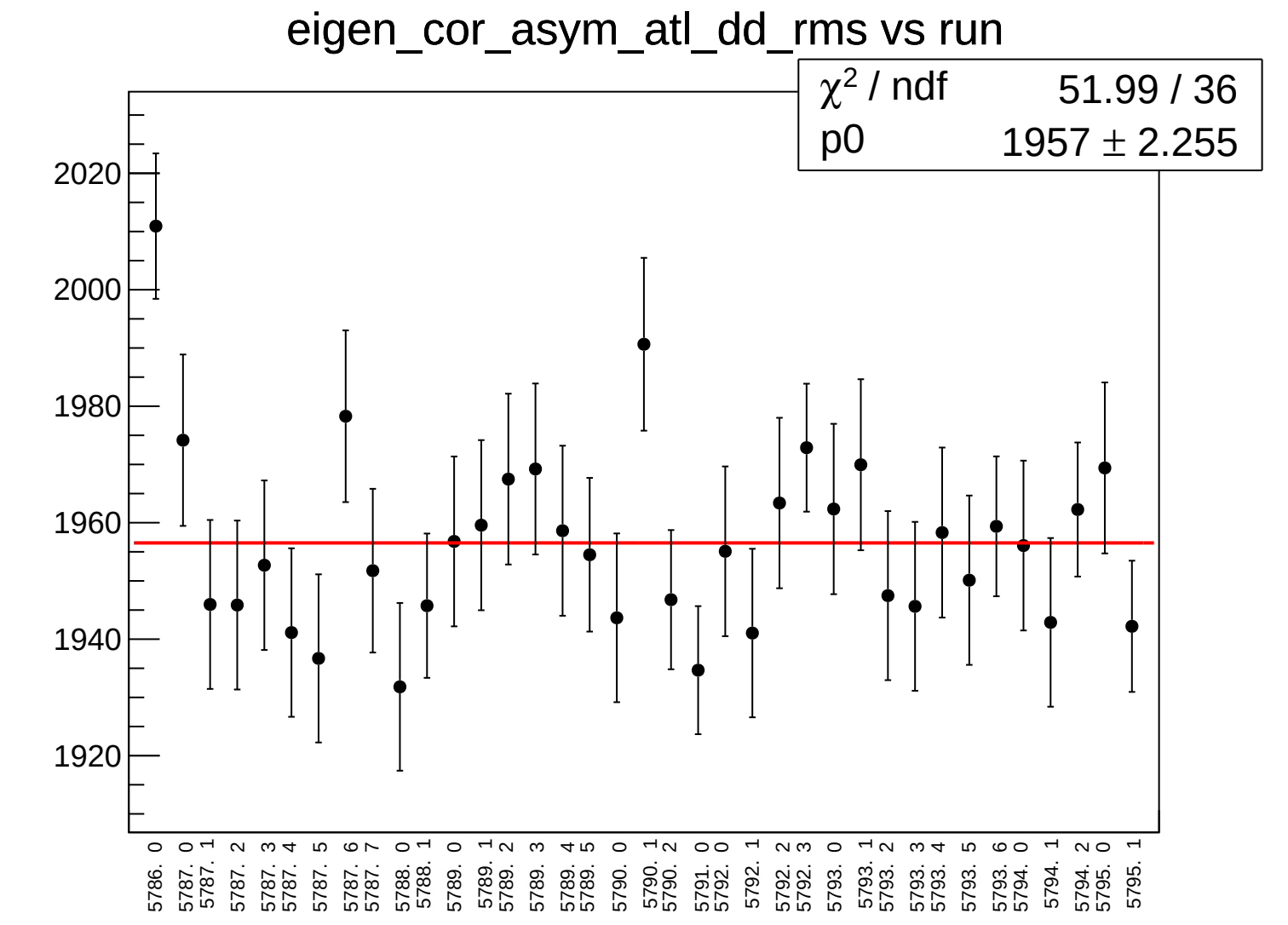

cor_asym_atl_dd_rms vs run
χ² / ndf 51.99 / 36
p0 1957 ± 2.255
2020
2000
1980
1960
1940
1920
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_dd_cor_correction_mean vs run
χ² / ndf 30.79 / 36
p0 4302 ± 3379
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 54.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.02041
Std Dev 0.9121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_dd_cor_correction_rms vs run
χ² / ndf 942.6 / 36
p0 2072 ± 2.389
2200
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atl_dd_mean vs run
χ² / ndf 34.23 / 36
p0 5736 ± 3189
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −370.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001881
Std Dev 0.9618
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_dd_rms vs run
χ² / ndf 51.99 / 36
p0 1957 ± 2.255
2020
2000
1980
1960
1940
1920
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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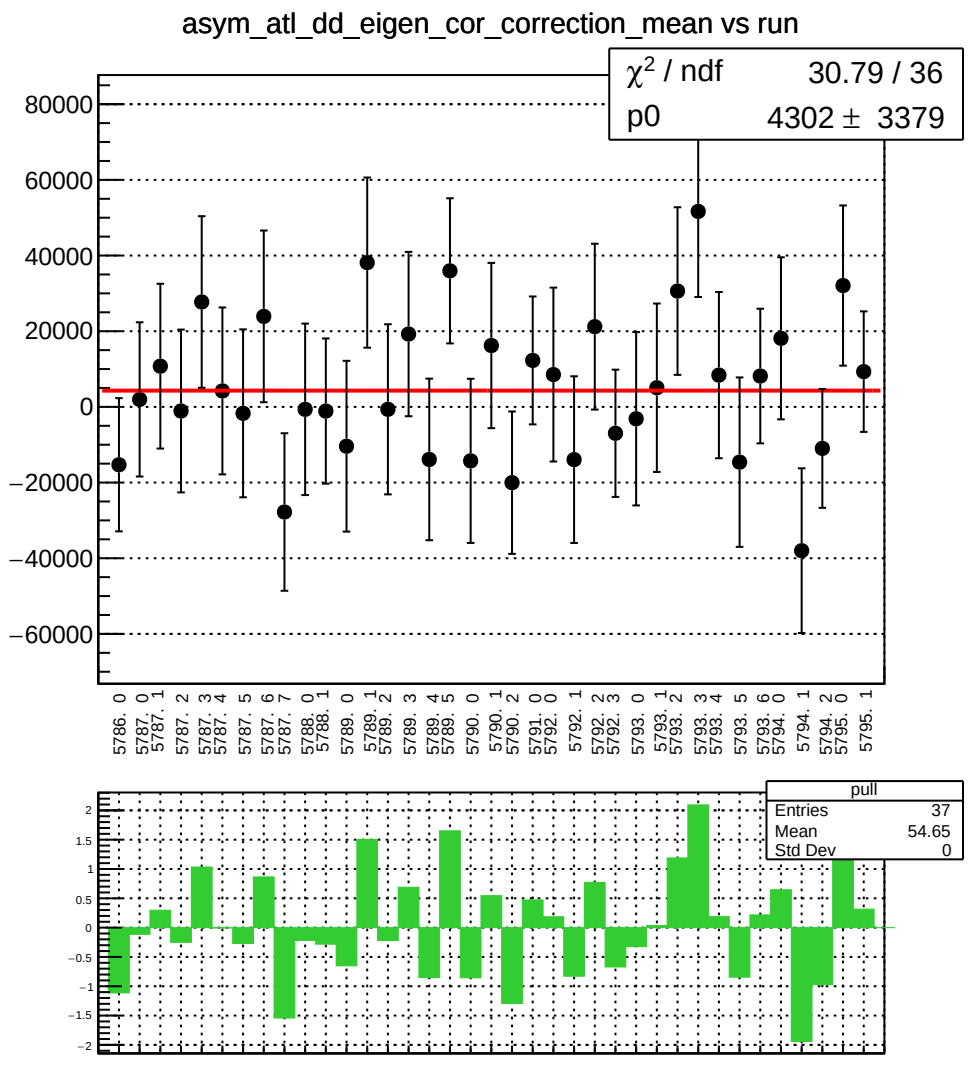
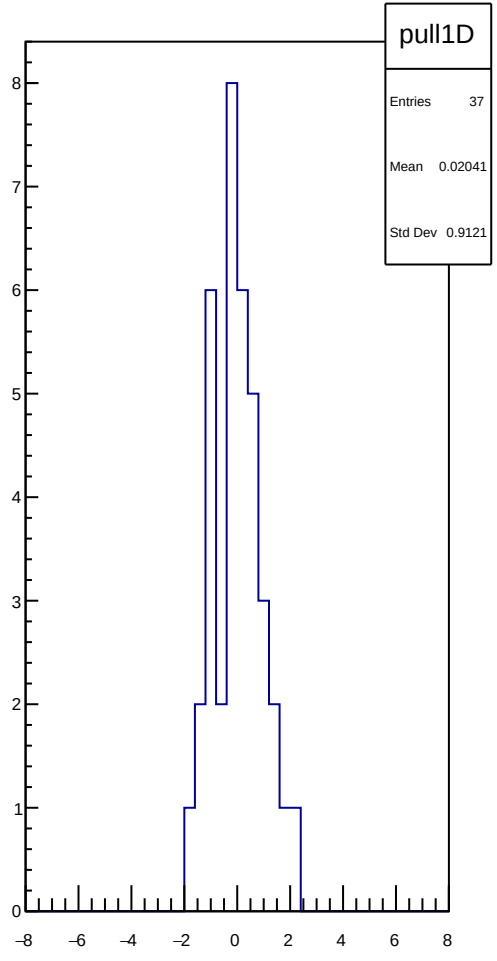
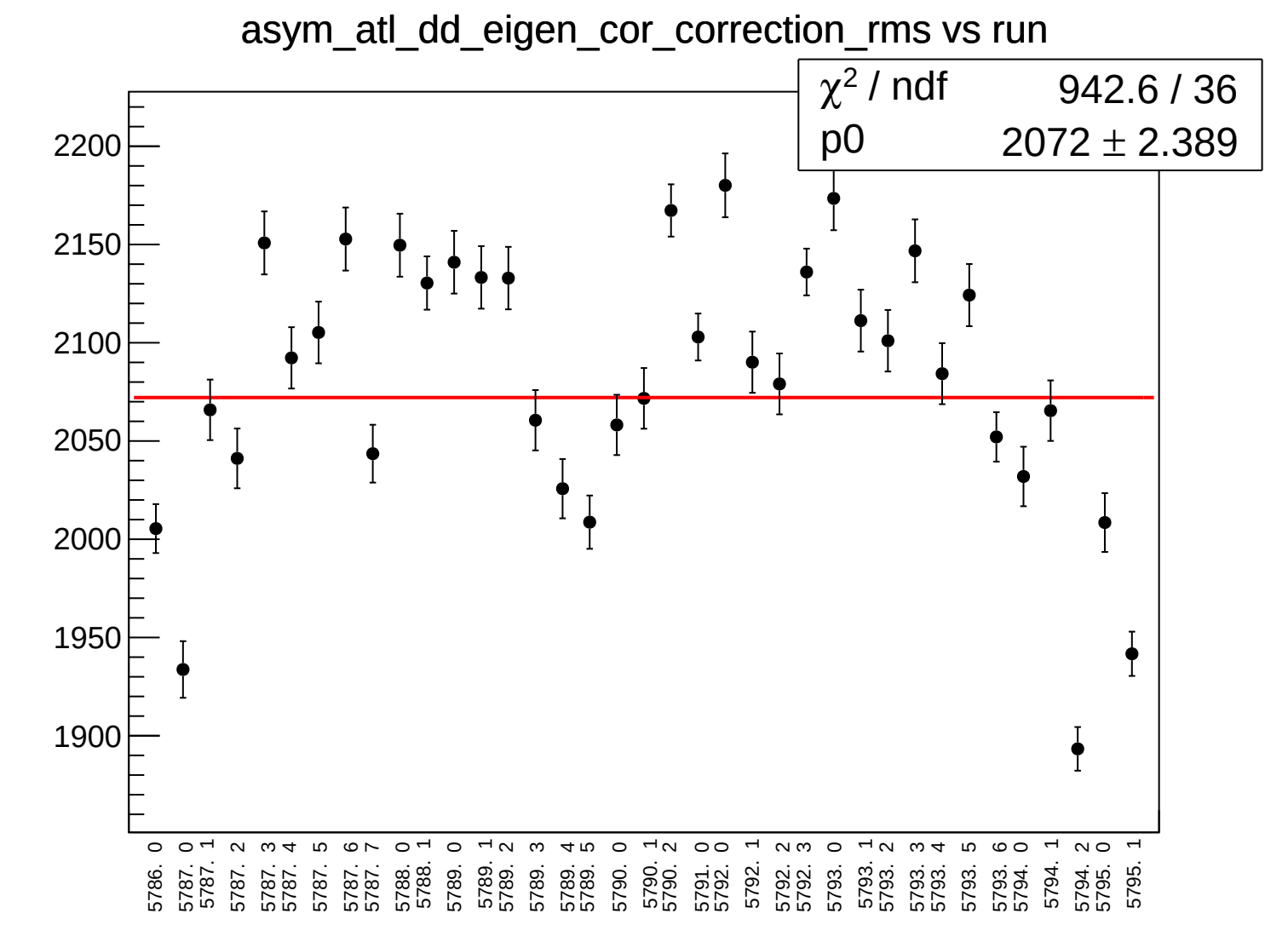
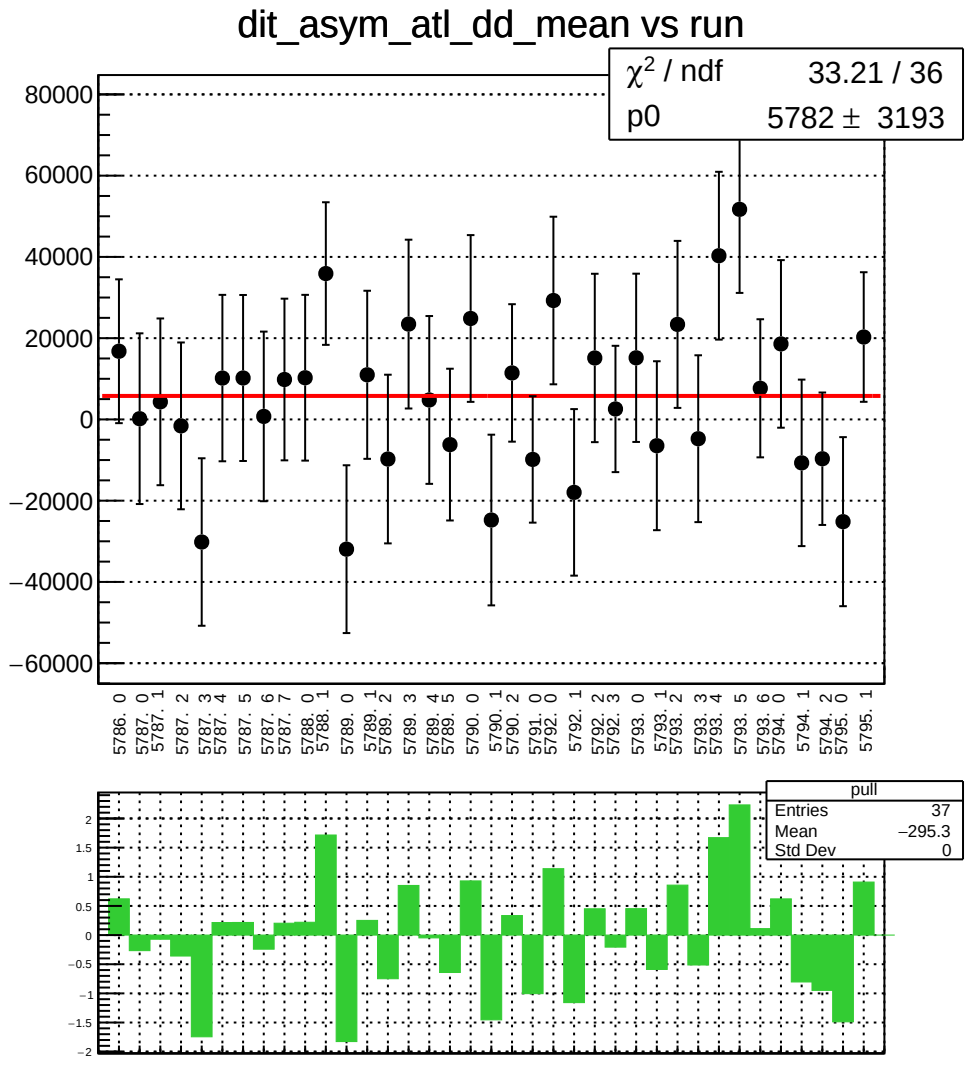
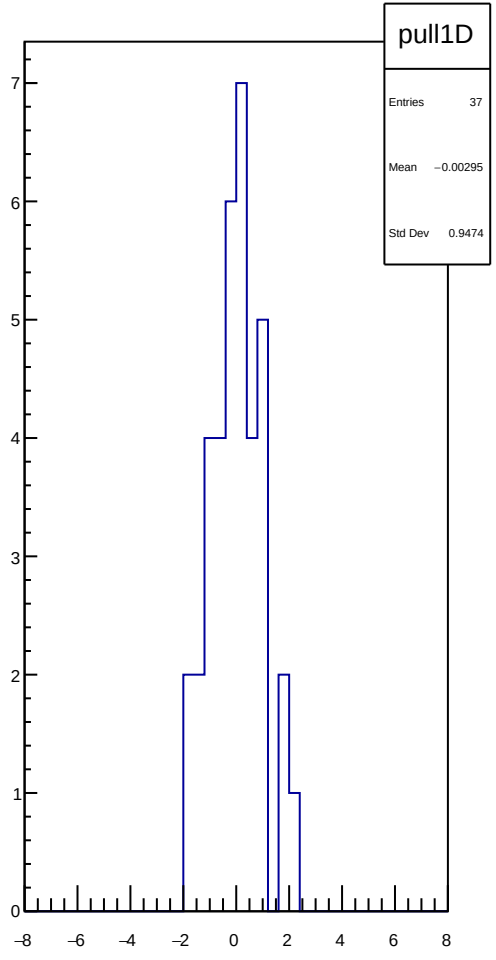
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

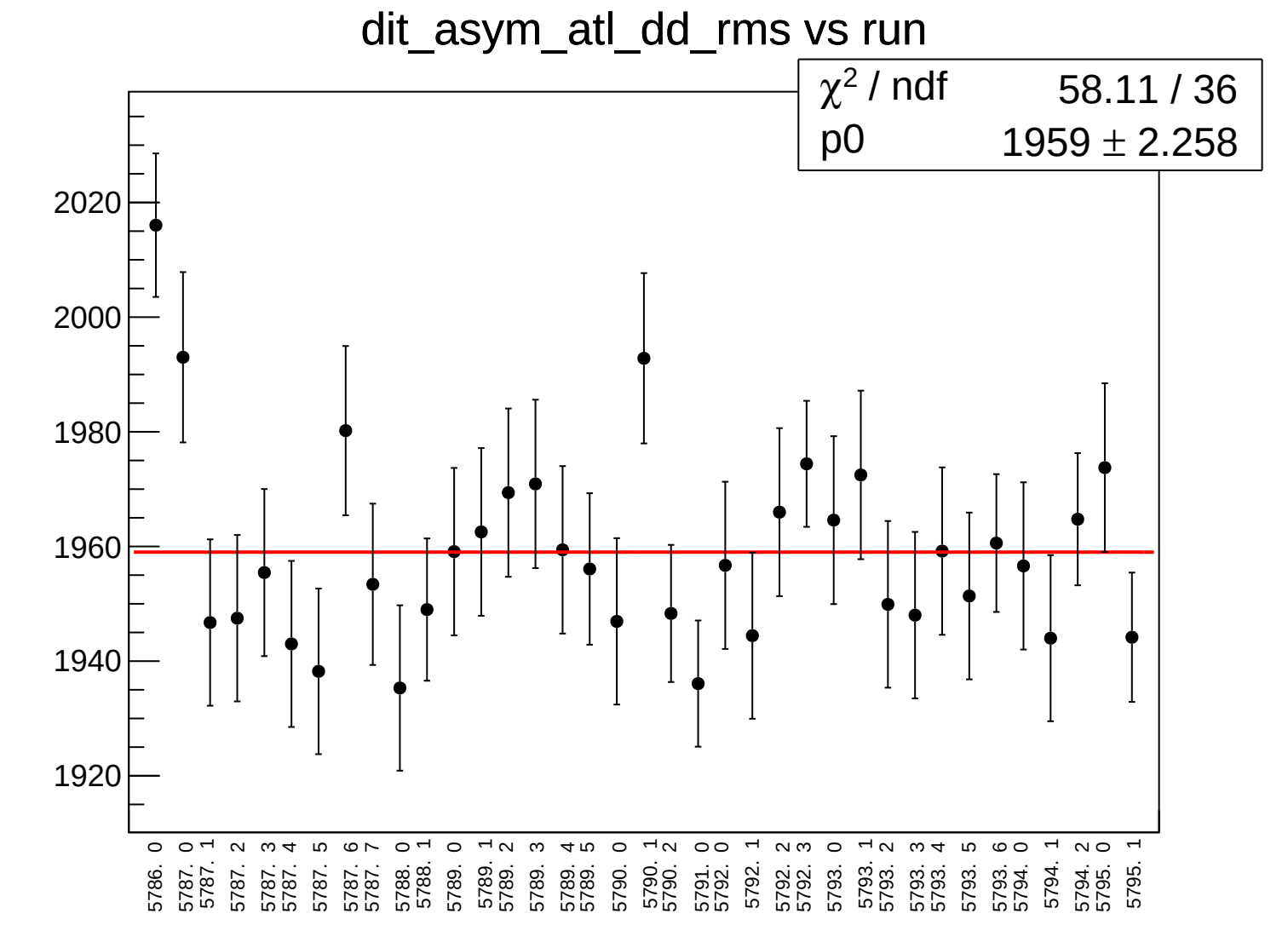

asym_atl_dd_eigen_cor_correction_mean vs run
χ² / ndf 30.79 / 36
p0 4302 ± 3379
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 54.65
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

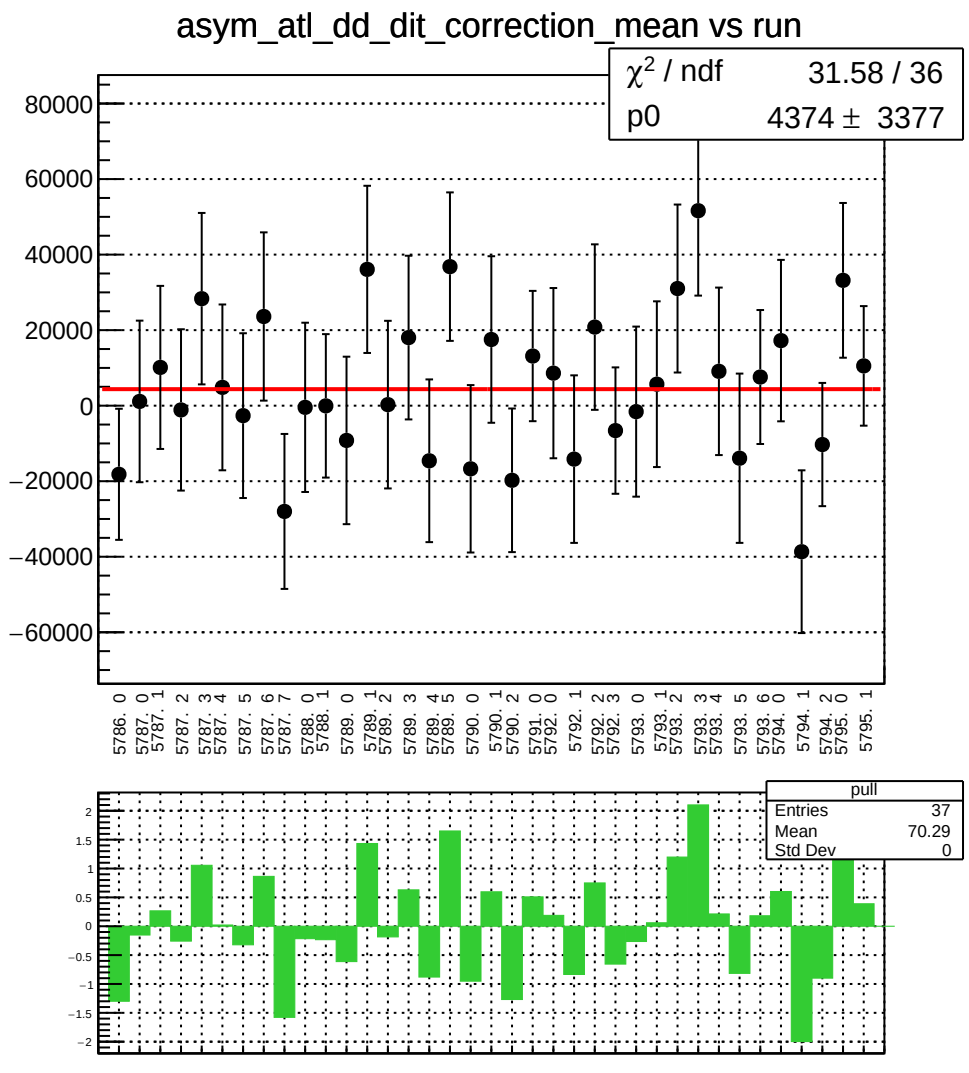

pull1D
Entries 37
Mean 0.02041
Std Dev 0.9121
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

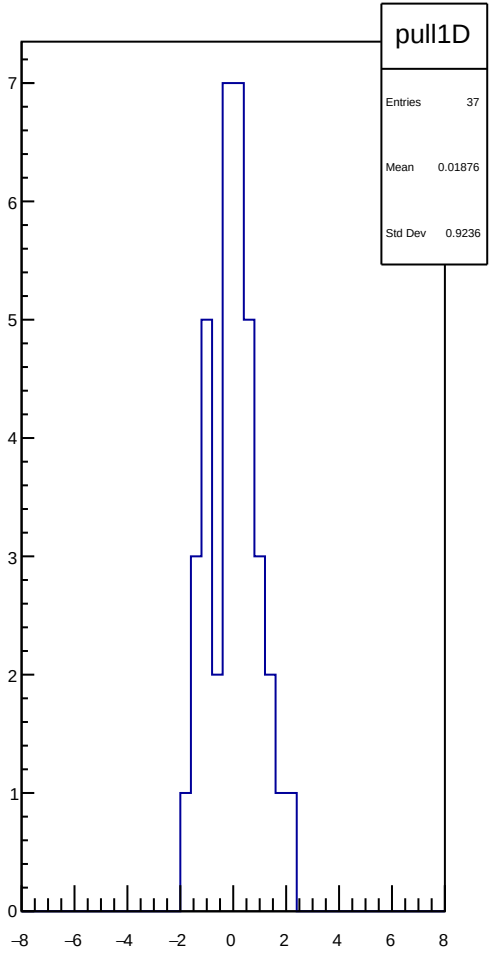

asym_atl_dd_eigen_cor_correction_rms vs run
χ² / ndf 942.6 / 36
p0 2072 ± 2.389
2200
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

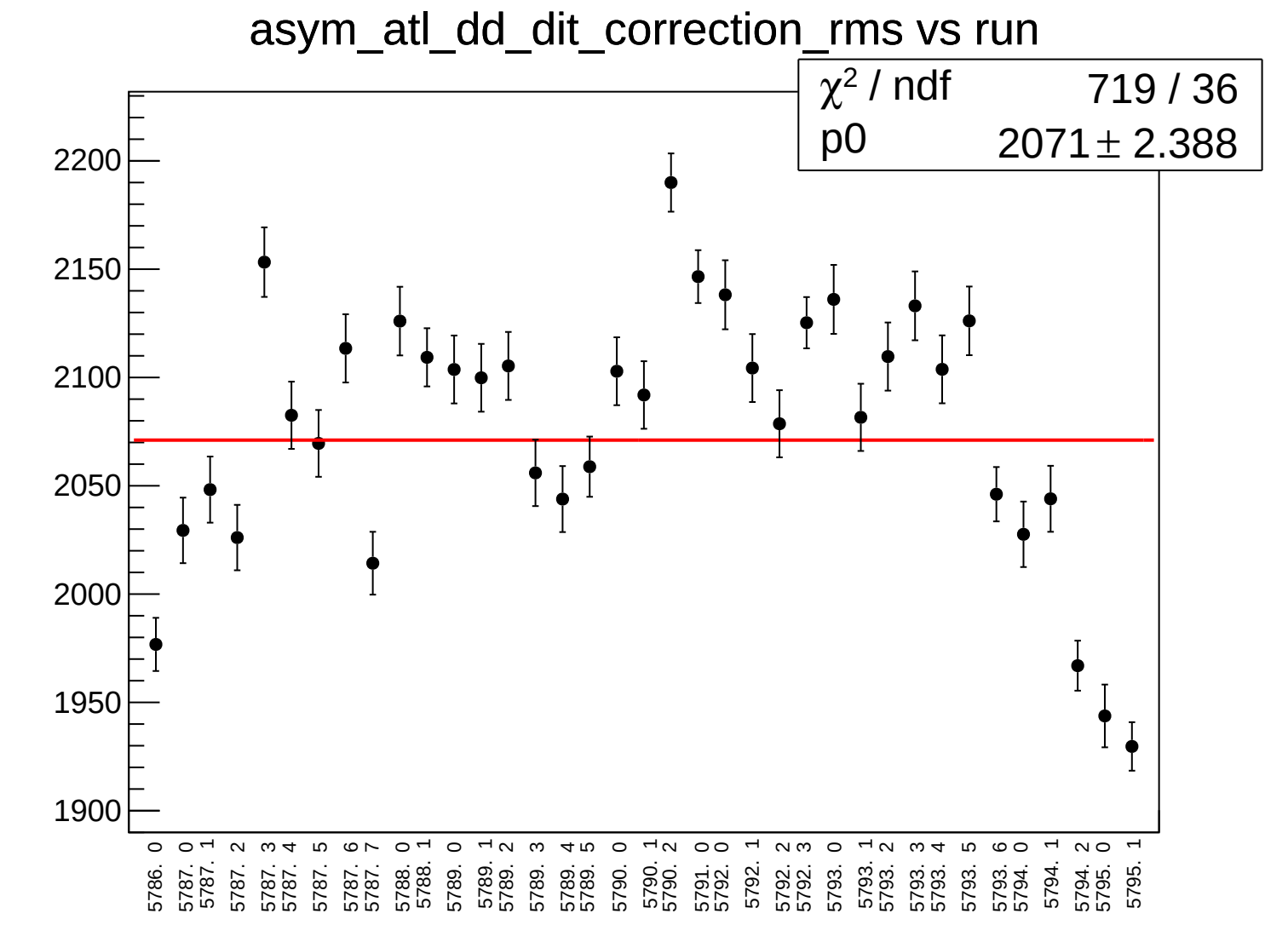

dit_asym_atl_dd_mean vs run
χ² / ndf 33.21 / 36
p0 5782 ± 3193
pull
Entries 37
Mean −295.3
Std Dev 0

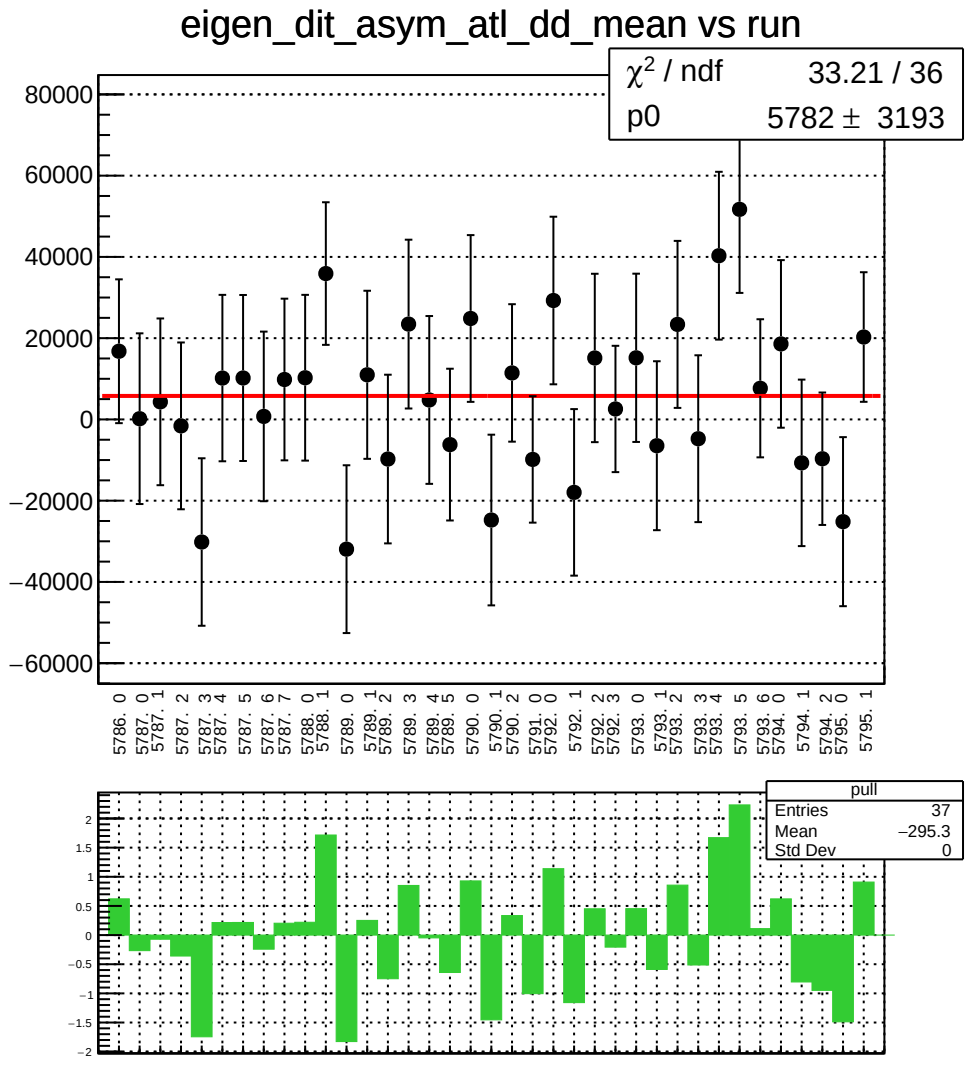

pull1D
Entries 37
Mean −0.00295
Std Dev 0.9474

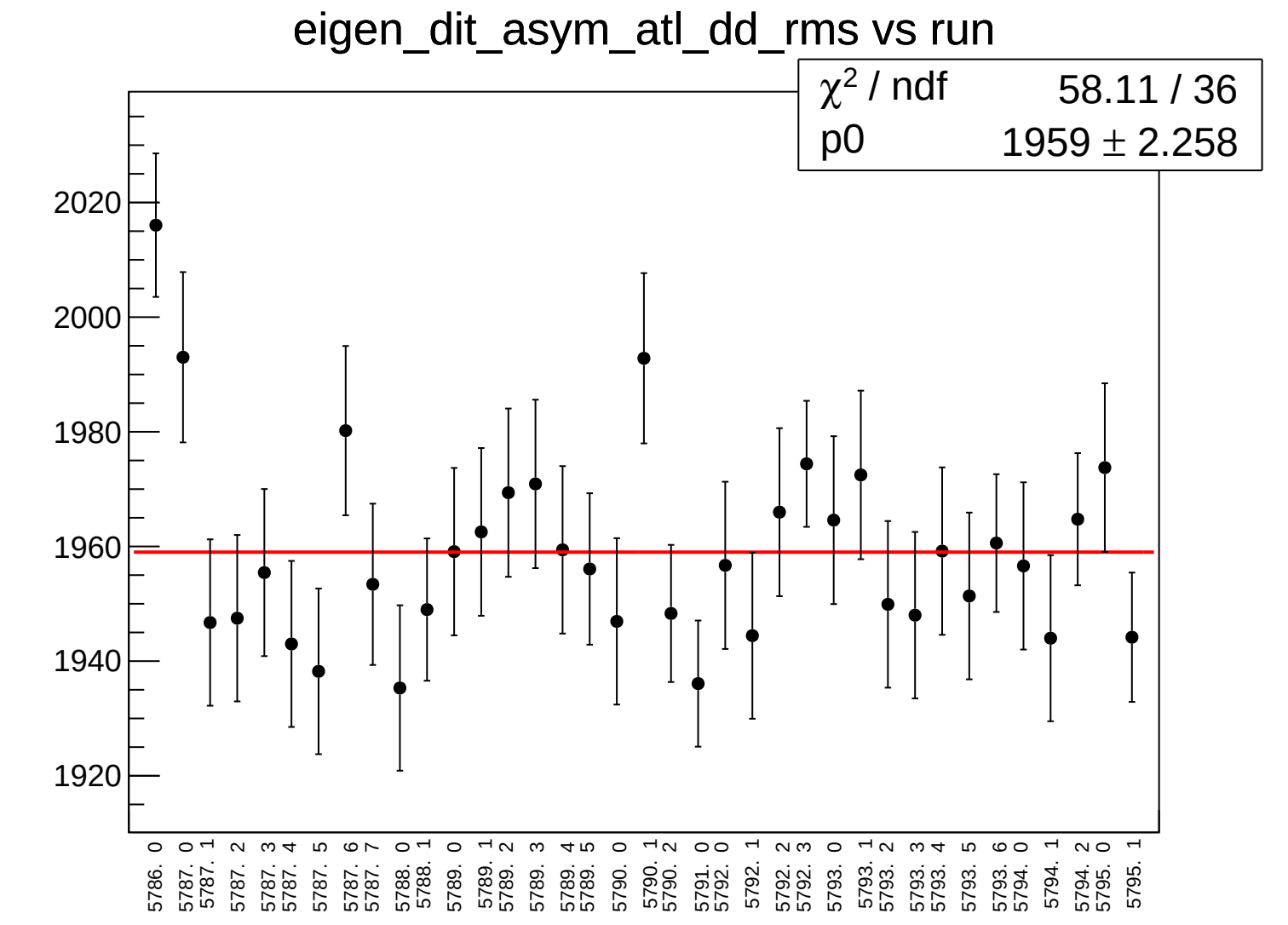

dit_asym_atl_dd_rms vs run
χ² / ndf 58.11 / 36
p0 1959 ± 2.258
2020
2000
1980
1960
1940
1920
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

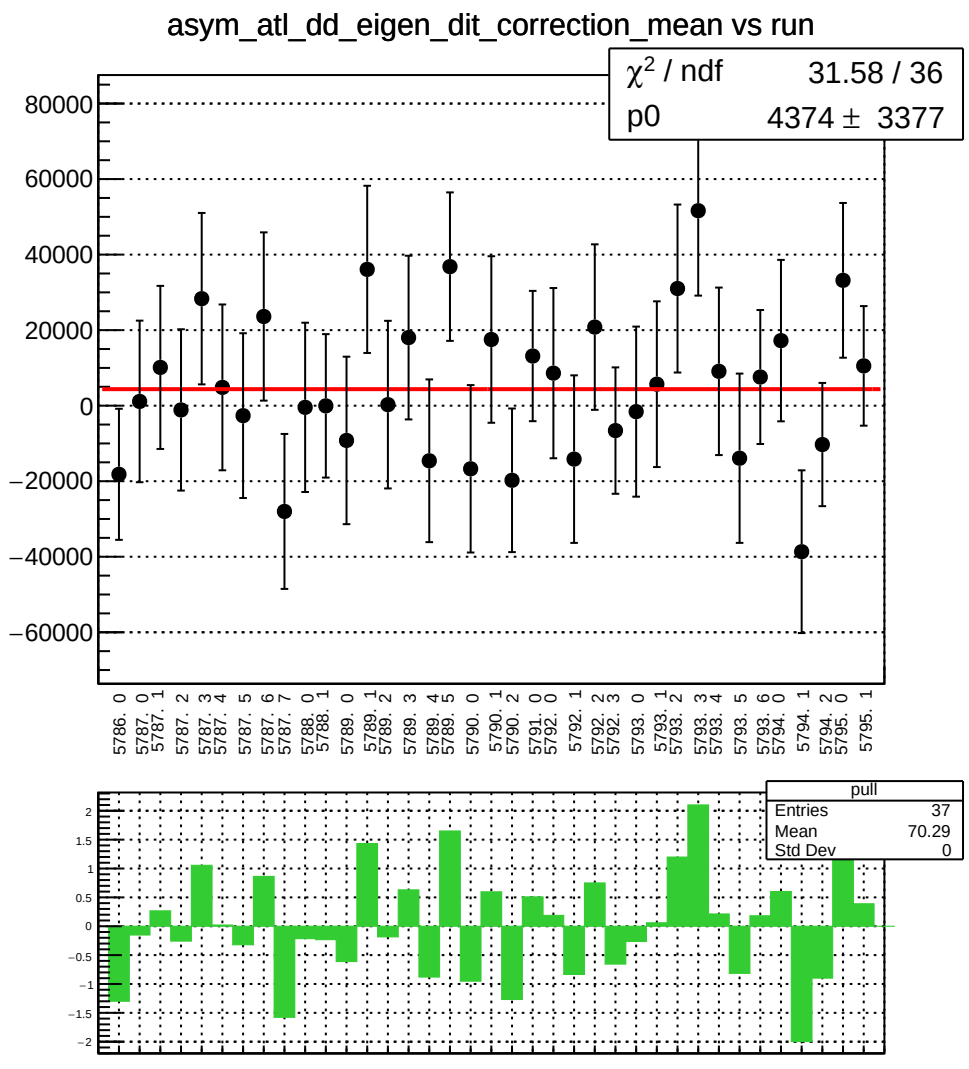

asym_atl_dd_dit_correction_mean vs run
χ² / ndf 31.58 / 36
p0 4374 ± 3377
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

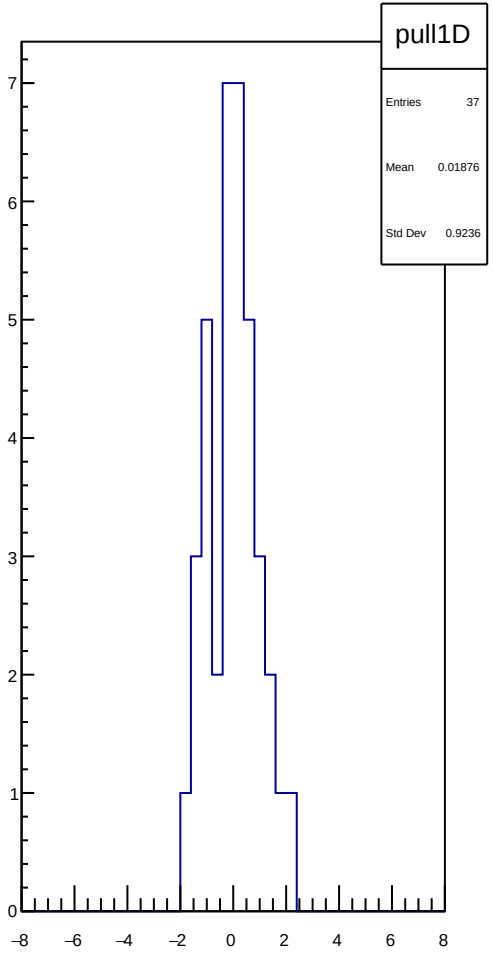

pull1D
Entries 37
Mean 0.01876
Std Dev 0.9236
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

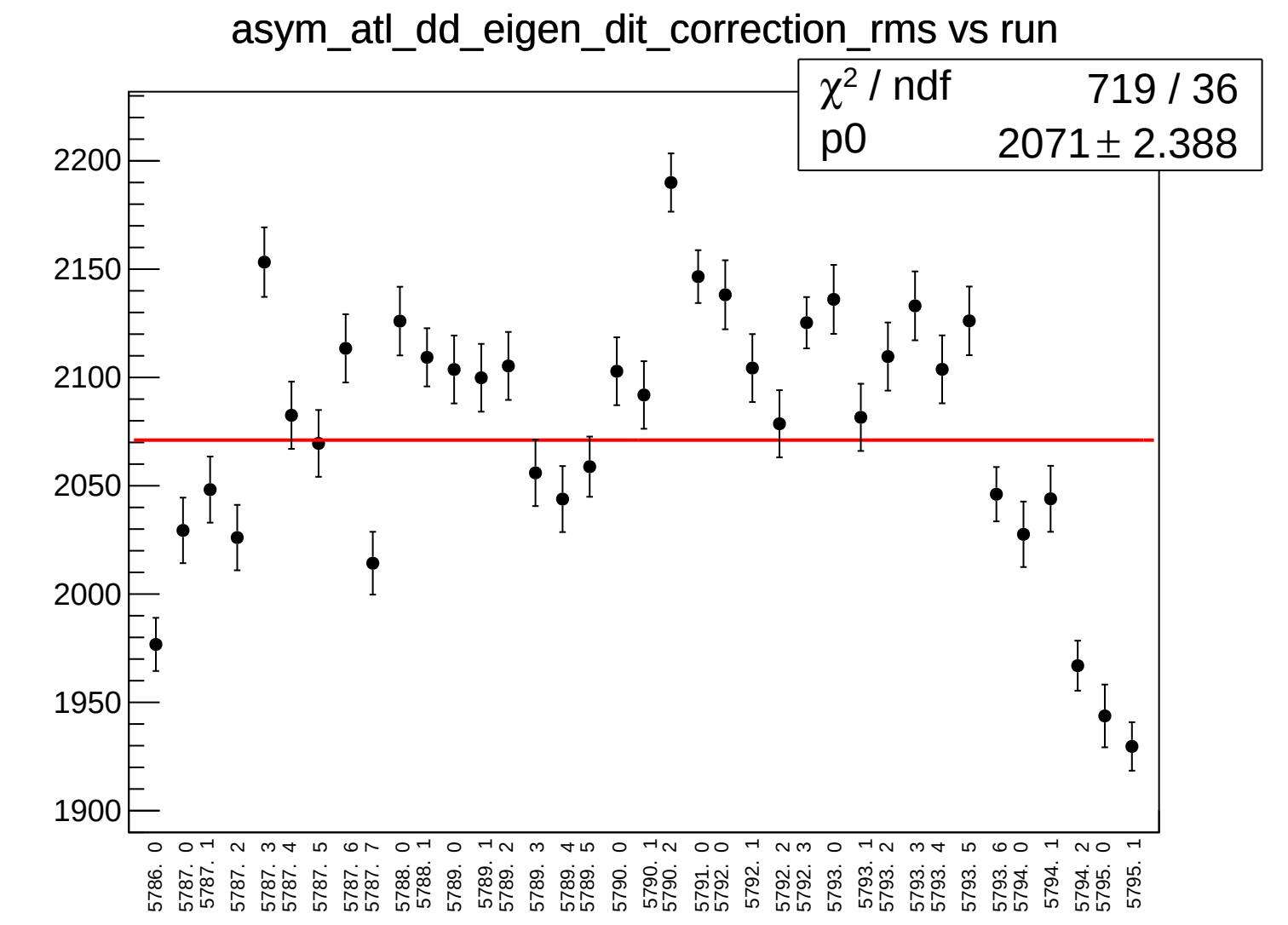

asym_atl_dd_dit_correction_rms vs run
χ² / ndf 719 / 36
p0 2071 ± 2.388
2200
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

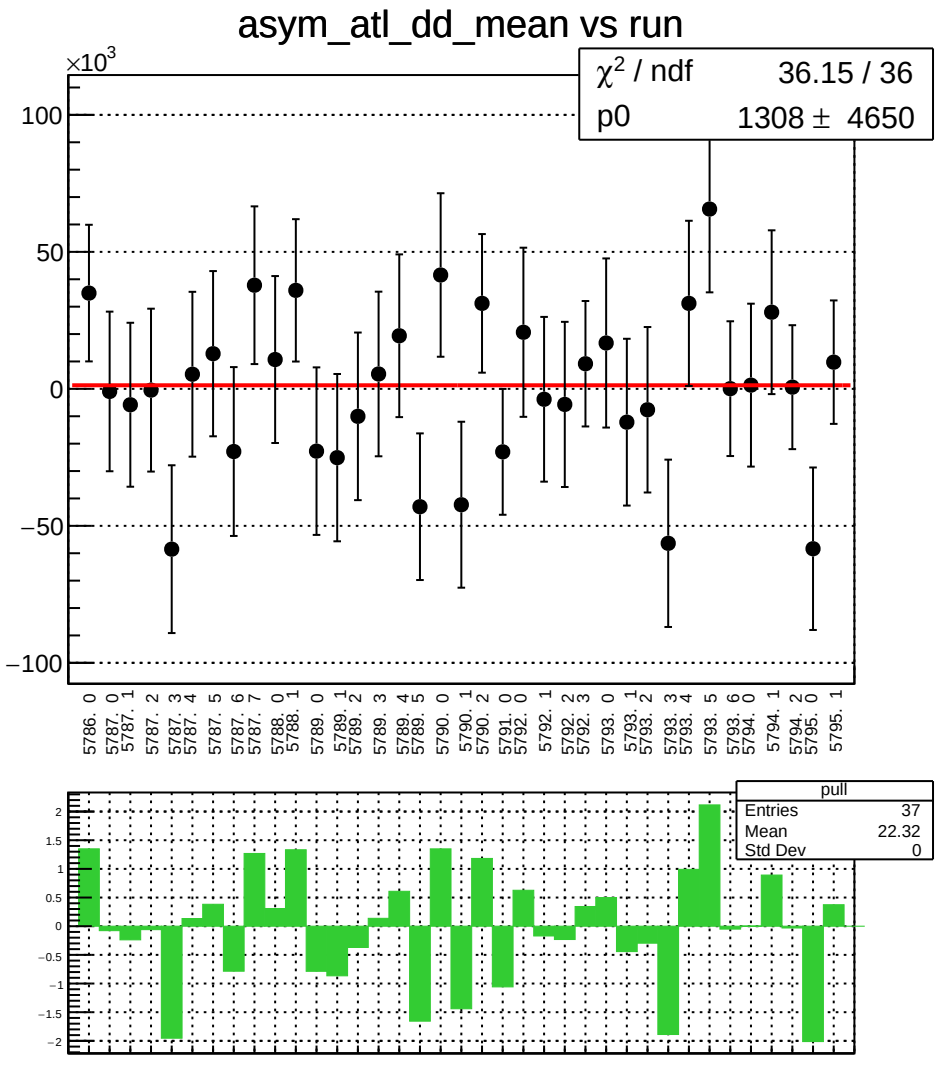

eigen_dit_asym_atl_dd_mean vs run
χ² / ndf 33.21 / 36
p0 5782 ± 3193
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −295.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.00295
Std Dev 0.9474
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

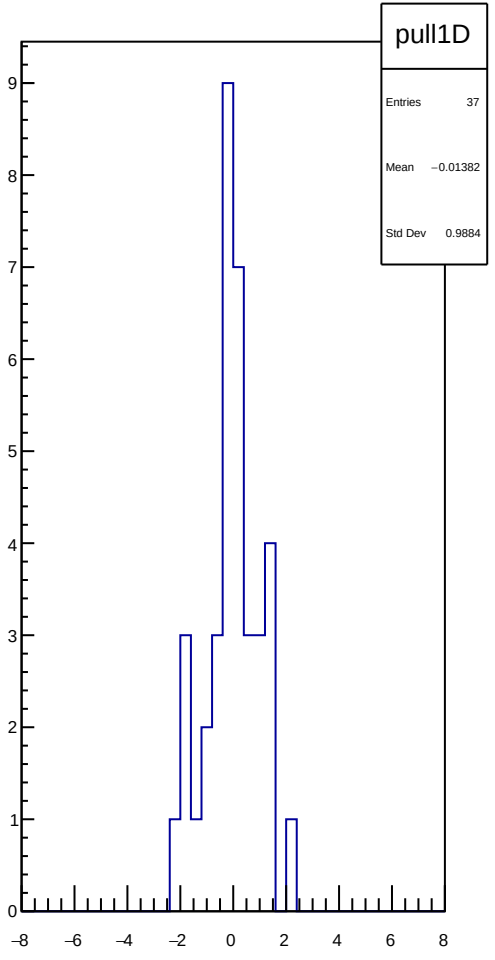

eigen_dit_asym_atl_dd_rms vs run
χ² / ndf 58.11 / 36
p0 1959 ± 2.258
2020
2000
1980
1960
1940
1920
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

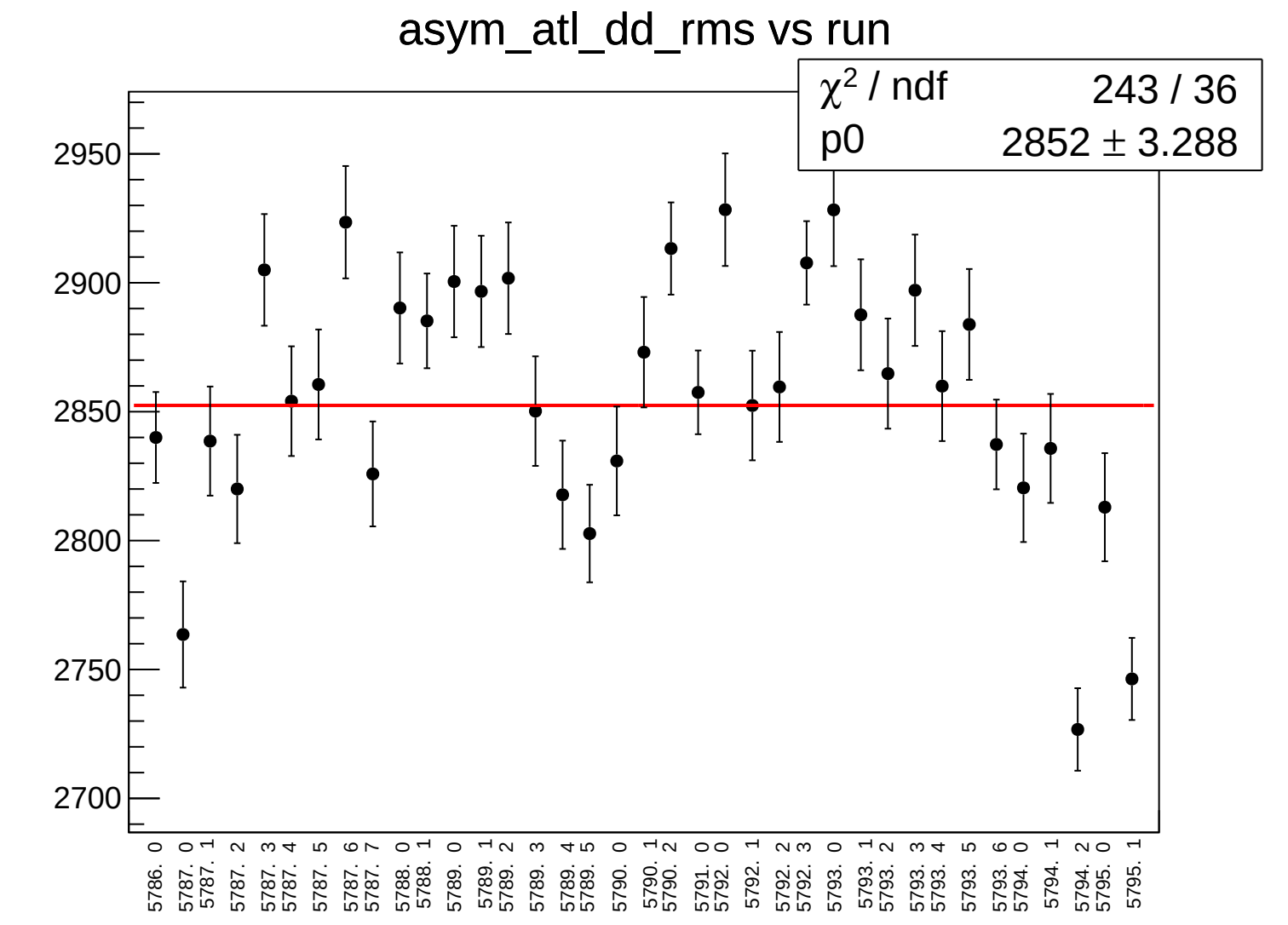

asym_atl_dd_eigen_dit_correction_mean vs run
χ² / ndf 31.58 / 36
p0 4374 ± 3377
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

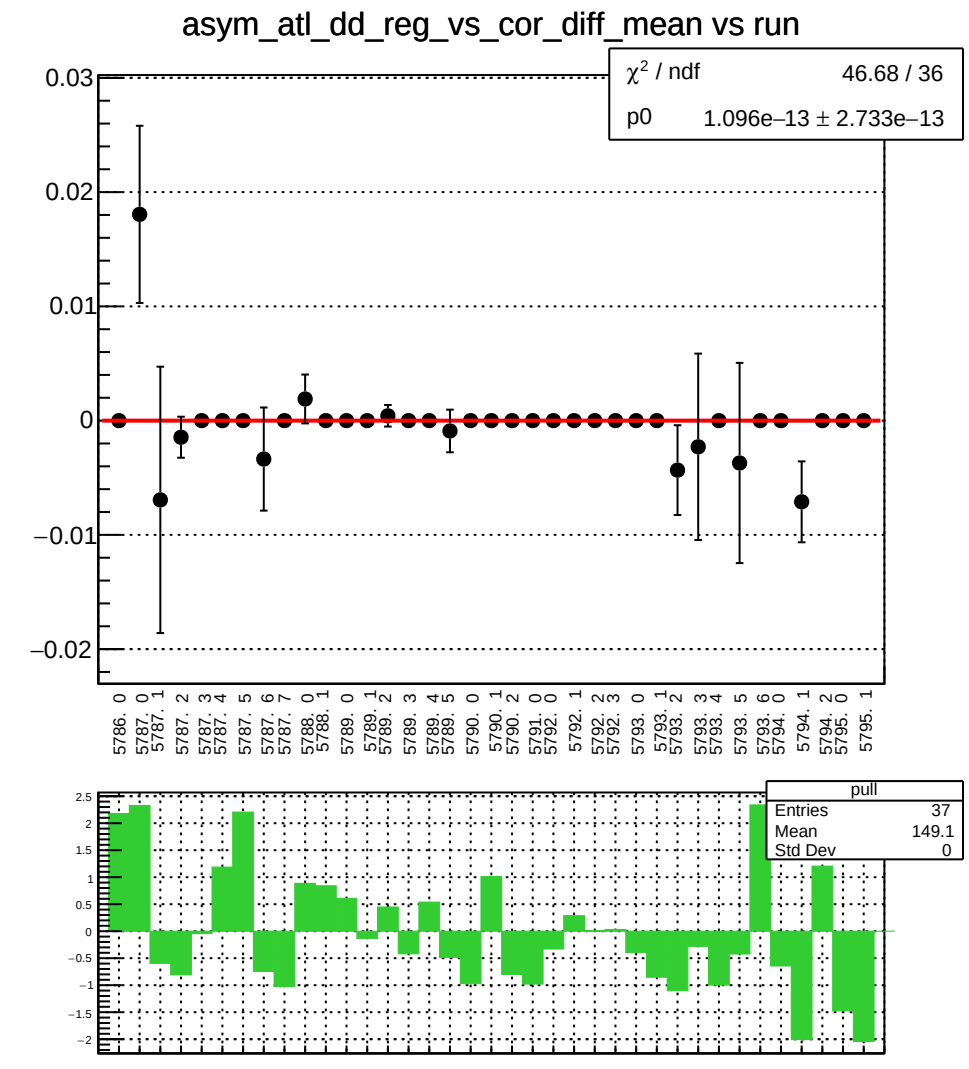

pull1D
Entries 37
Mean 0.01876
Std Dev 0.9236
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

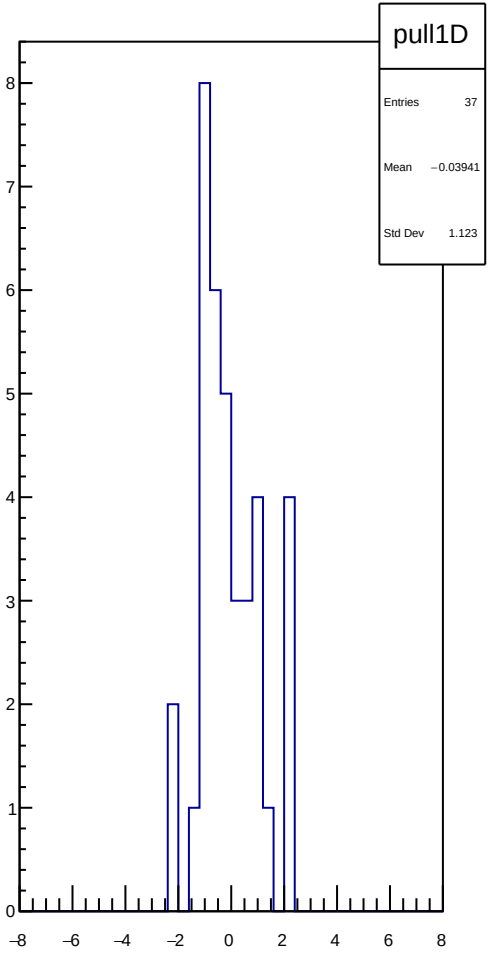

asym_atl_dd_eigen_dit_correction_rms vs run
χ² / ndf 719 / 36
p0 2071 ± 2.388
2200
2150
2100
2050
2000
1950
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

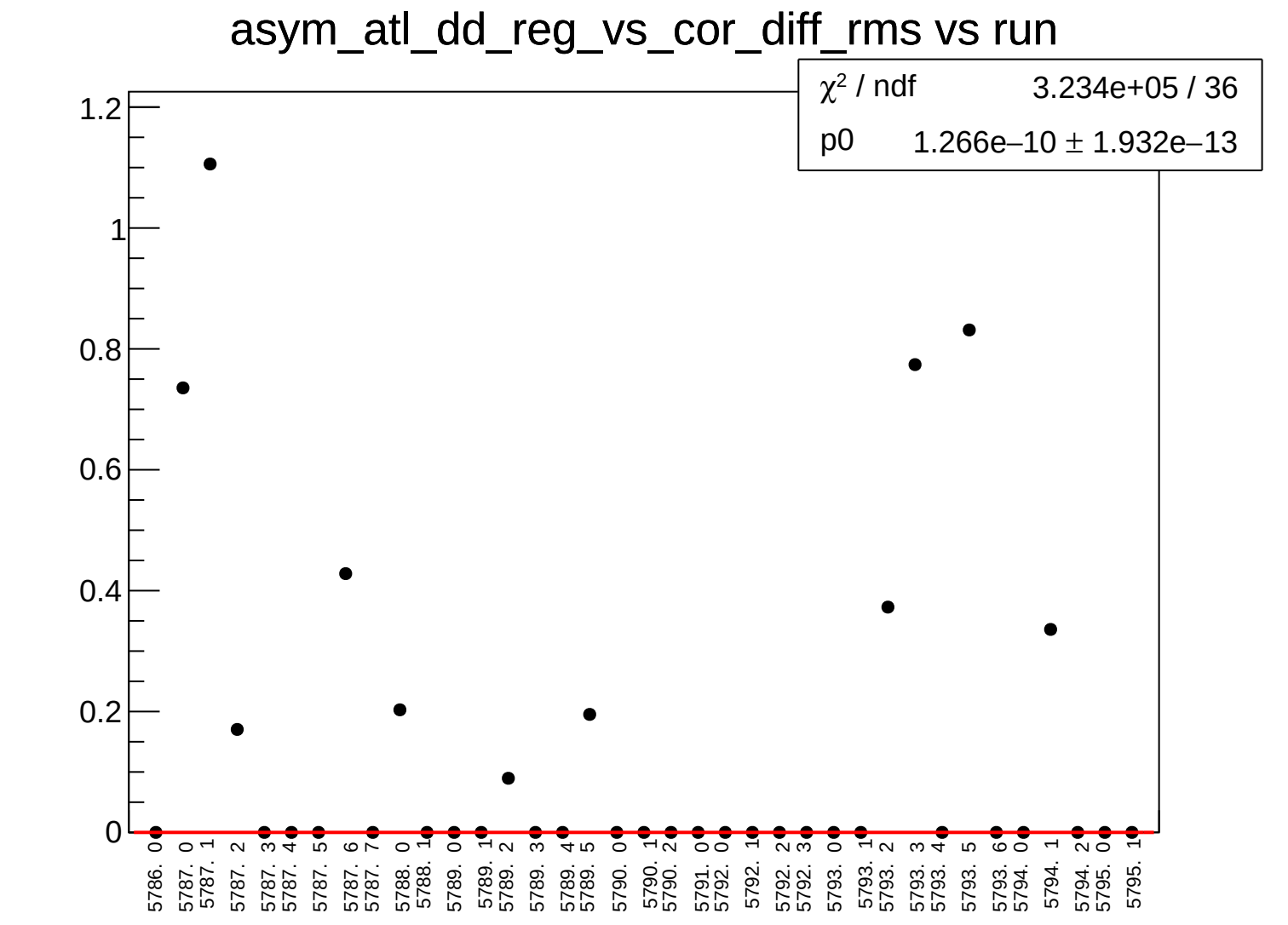

asym_atl_dd_mean vs run
×10^3
χ² / ndf 36.15 / 36
p0 1308 ± 4650
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 22.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

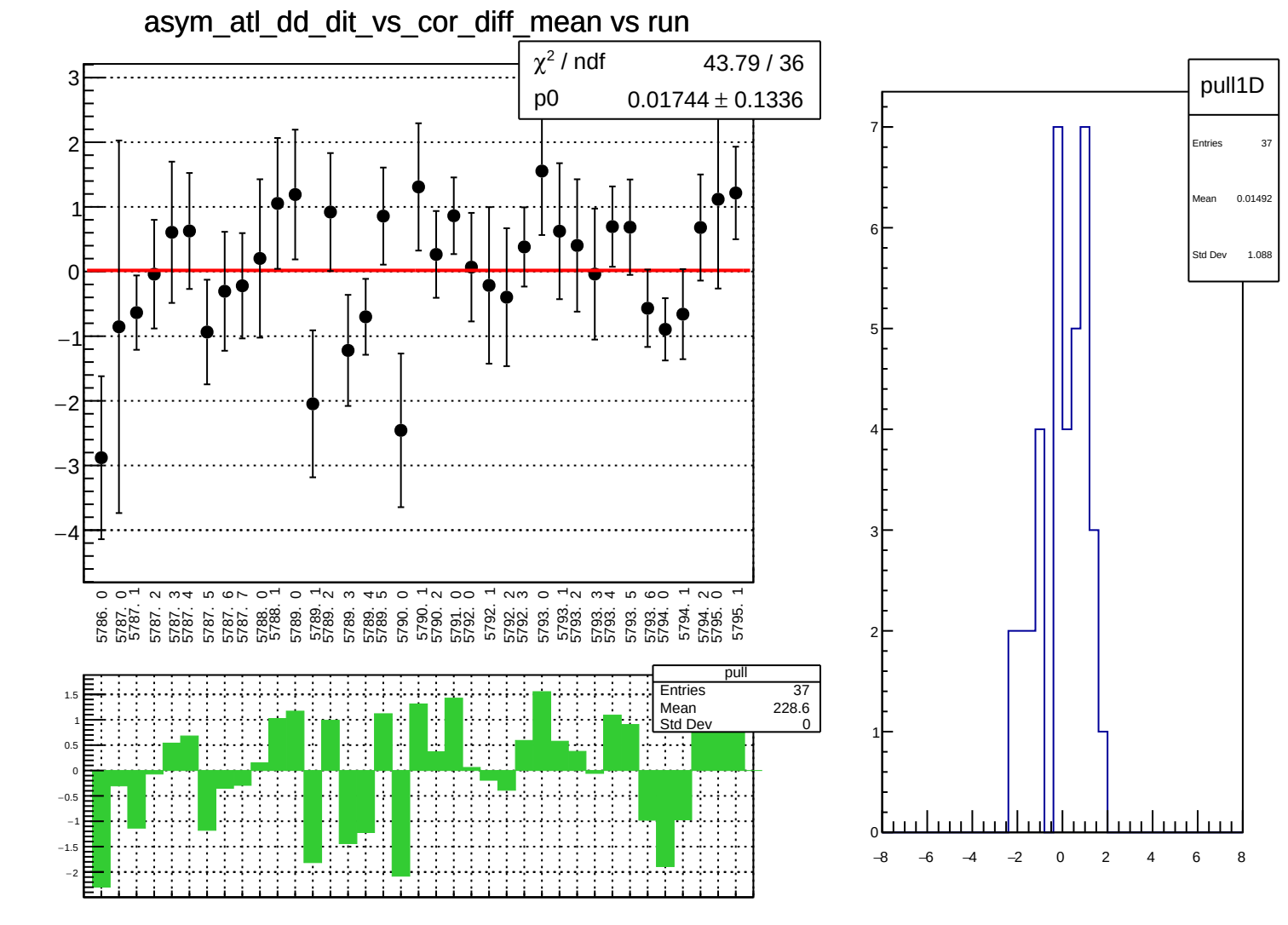

pull1D
Entries 37
Mean −0.01382
Std Dev 0.9884
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

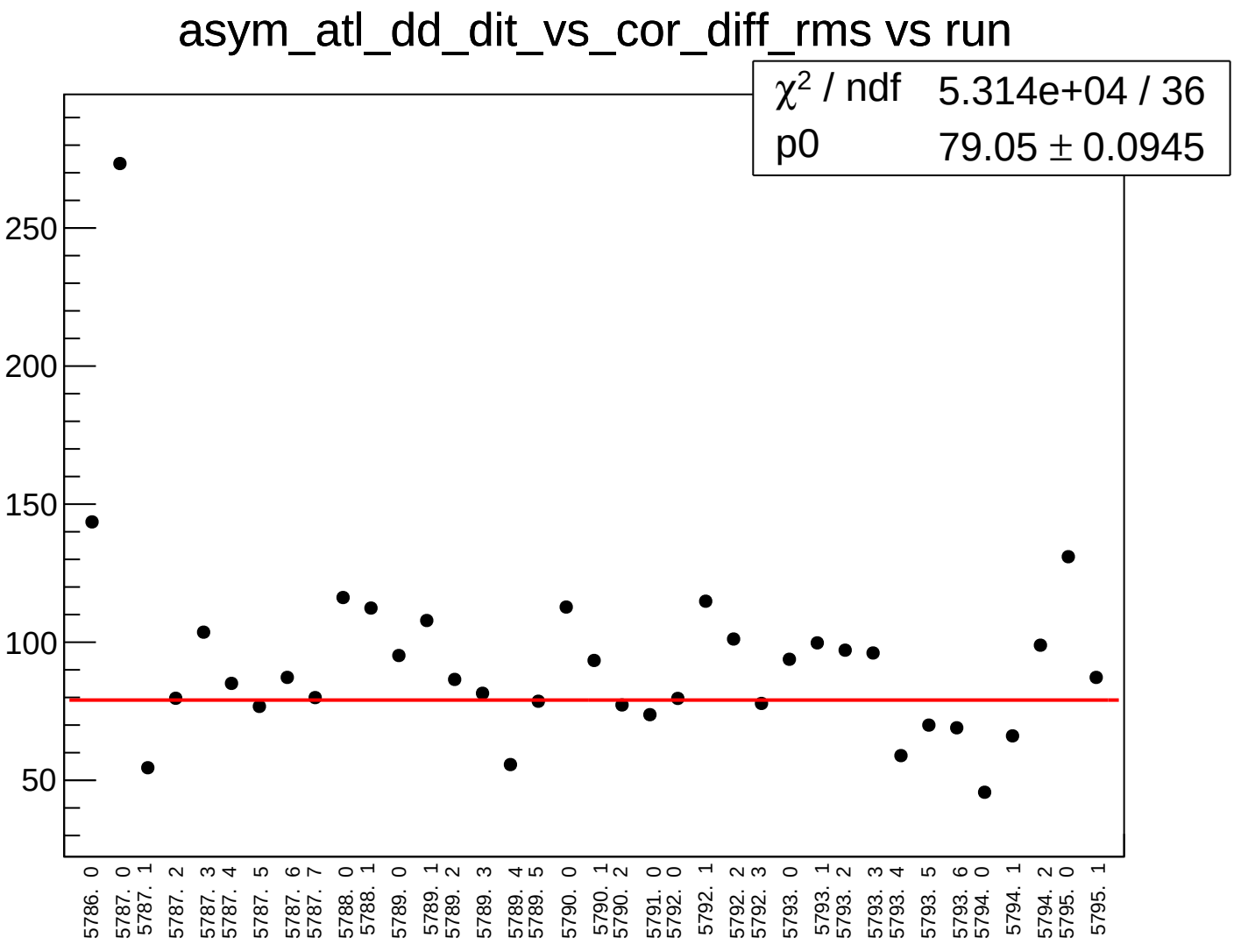

asym_atl_dd_rms vs run
χ² / ndf 243 / 36
p0 2852 ± 3.288
2950
2900
2850
2800
2750
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.68 / 36
p0 1.096e−13 ± 2.733e−13
0.03
0.02
0.01
0
−0.01
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

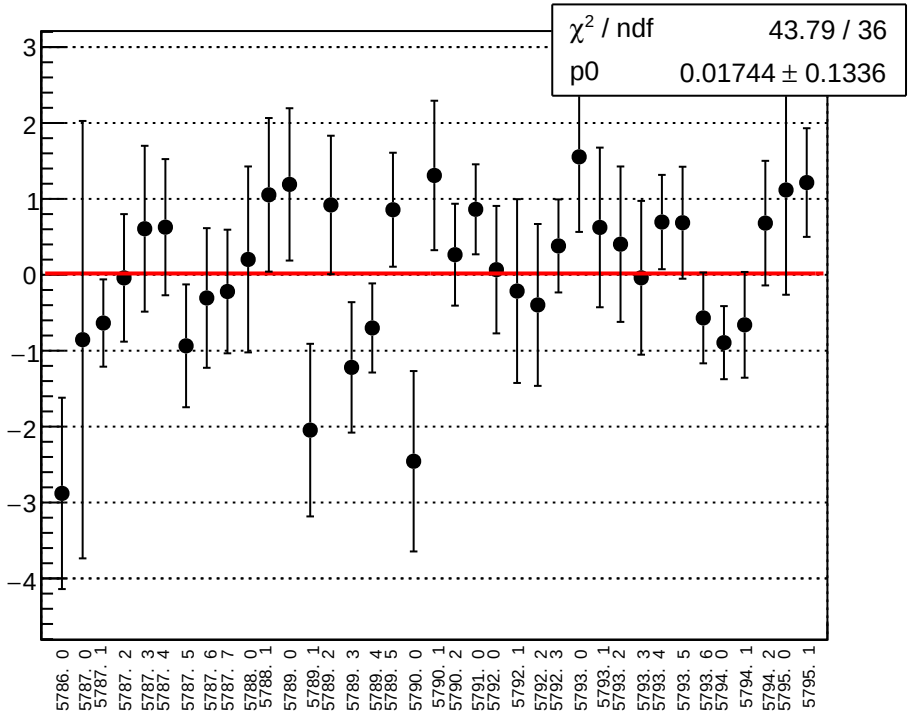

pull1D
Entries 37
Mean −0.03941
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

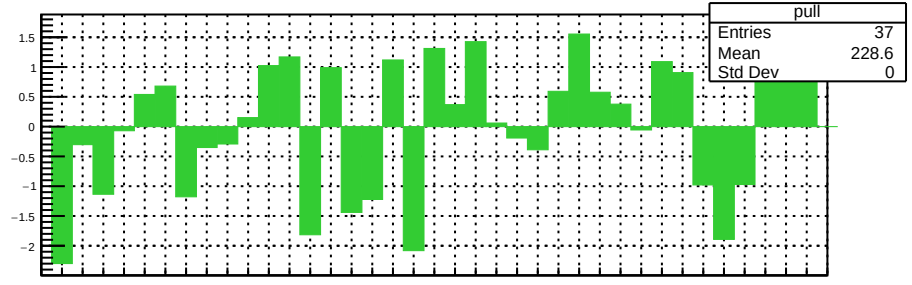

asym_atl_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.234e+05 / 36
p0 1.266e−10 ± 1.932e−13
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

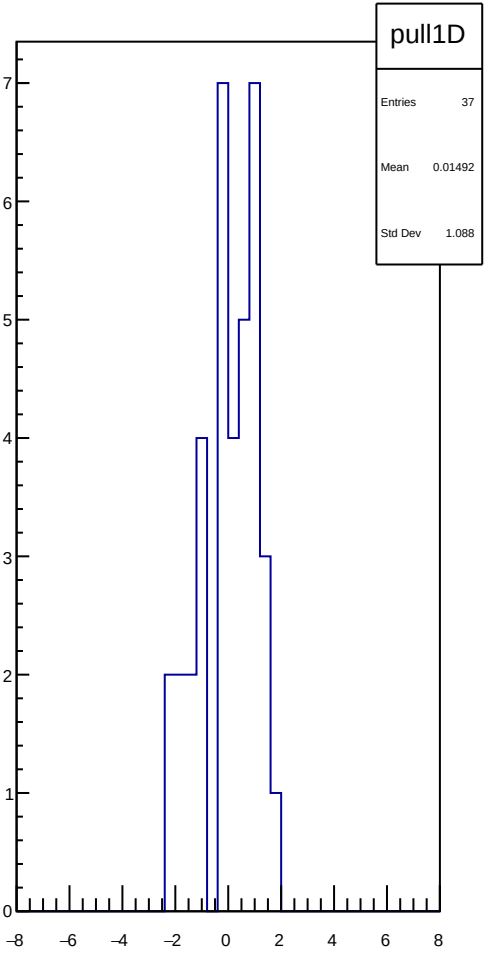

asym_atl_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.01744 ± 0.1336
pull
Entries 37
Mean 228.6
Std Dev 0
pull1D
Entries 37
Mean 0.01492
Std Dev 1.088

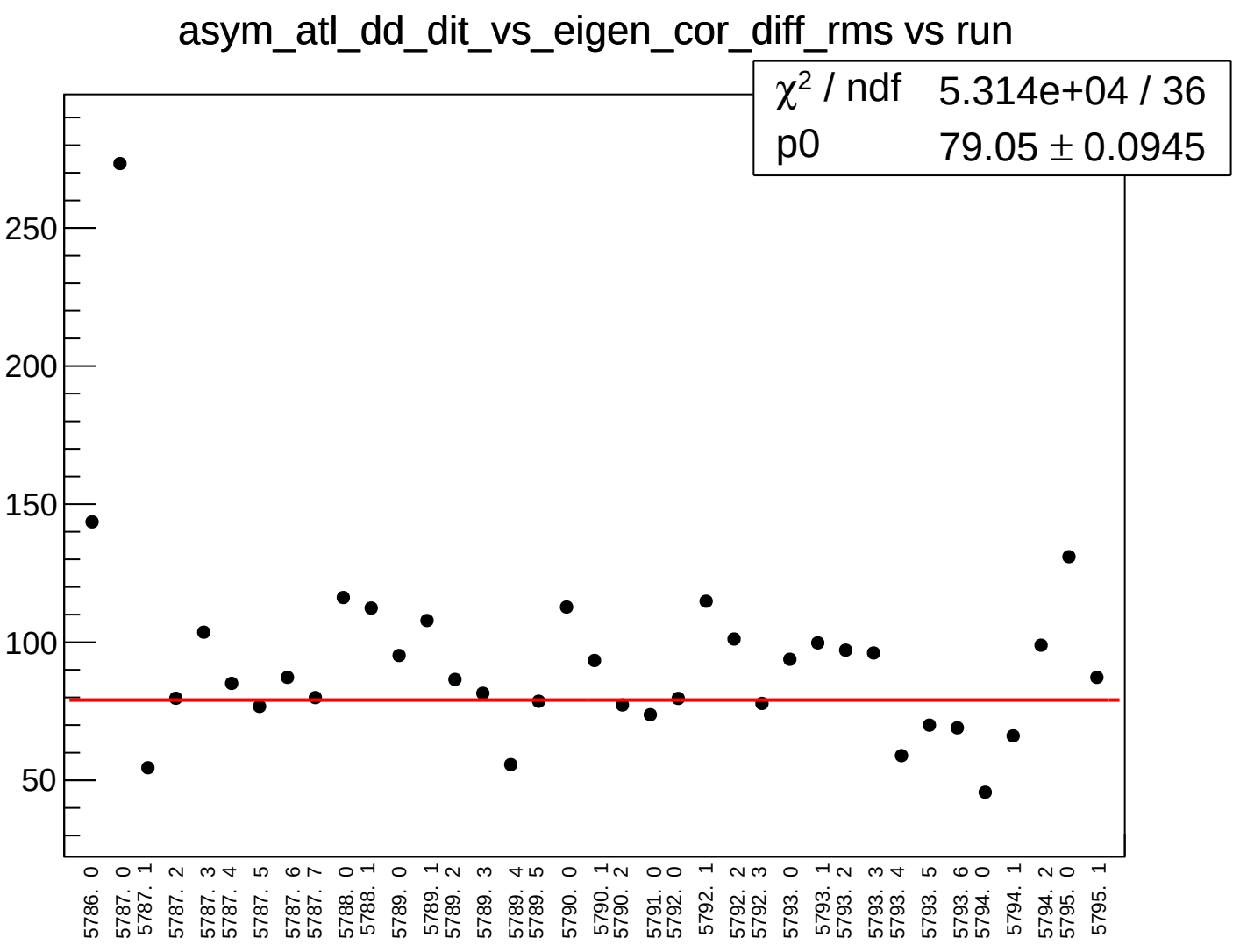

asym_atl_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.314e+04 / 36
p0 79.05 ± 0.0945
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

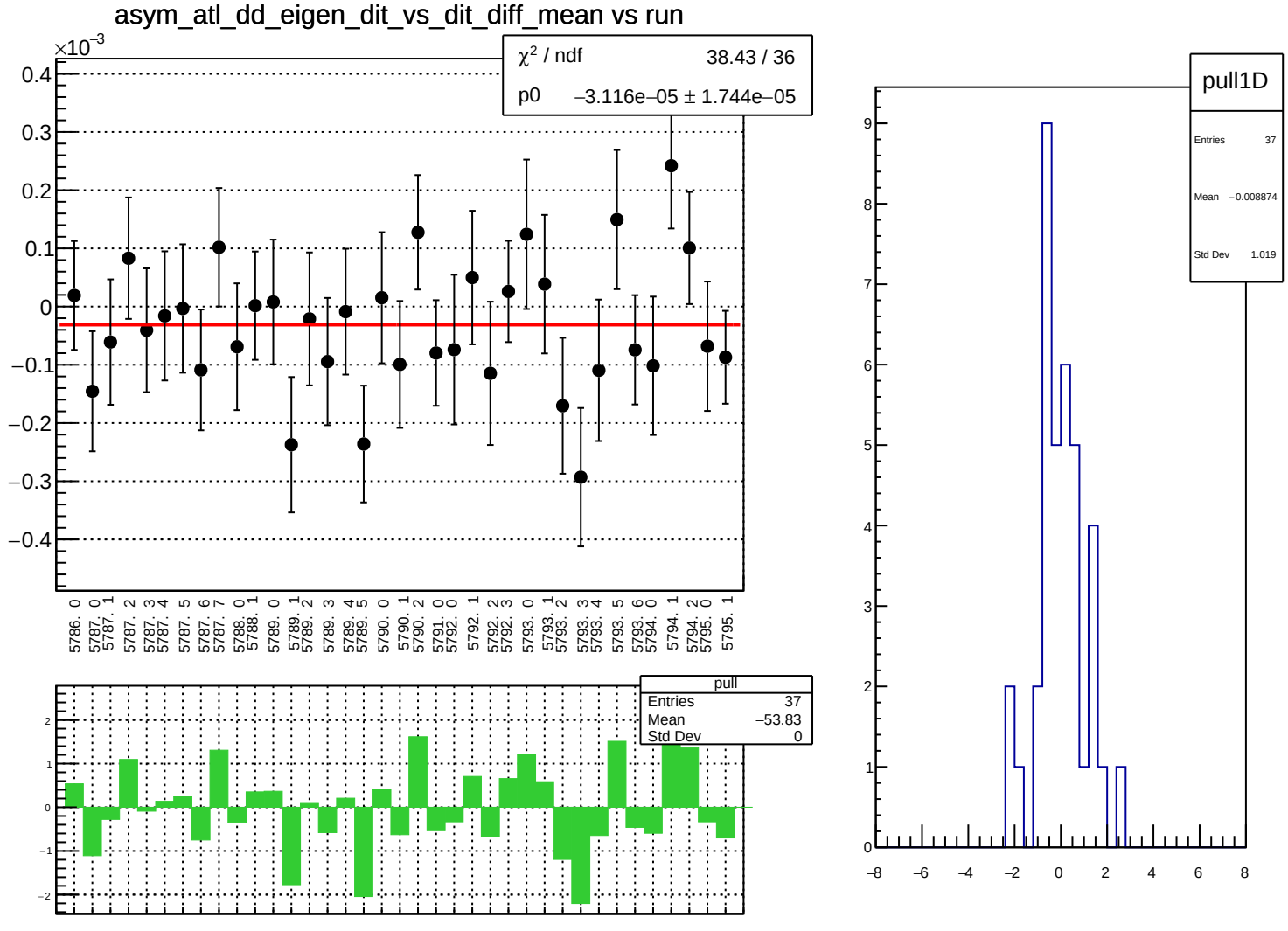
asym_atl_dd_dit_vs_eigen_cor_diff_mean vs run

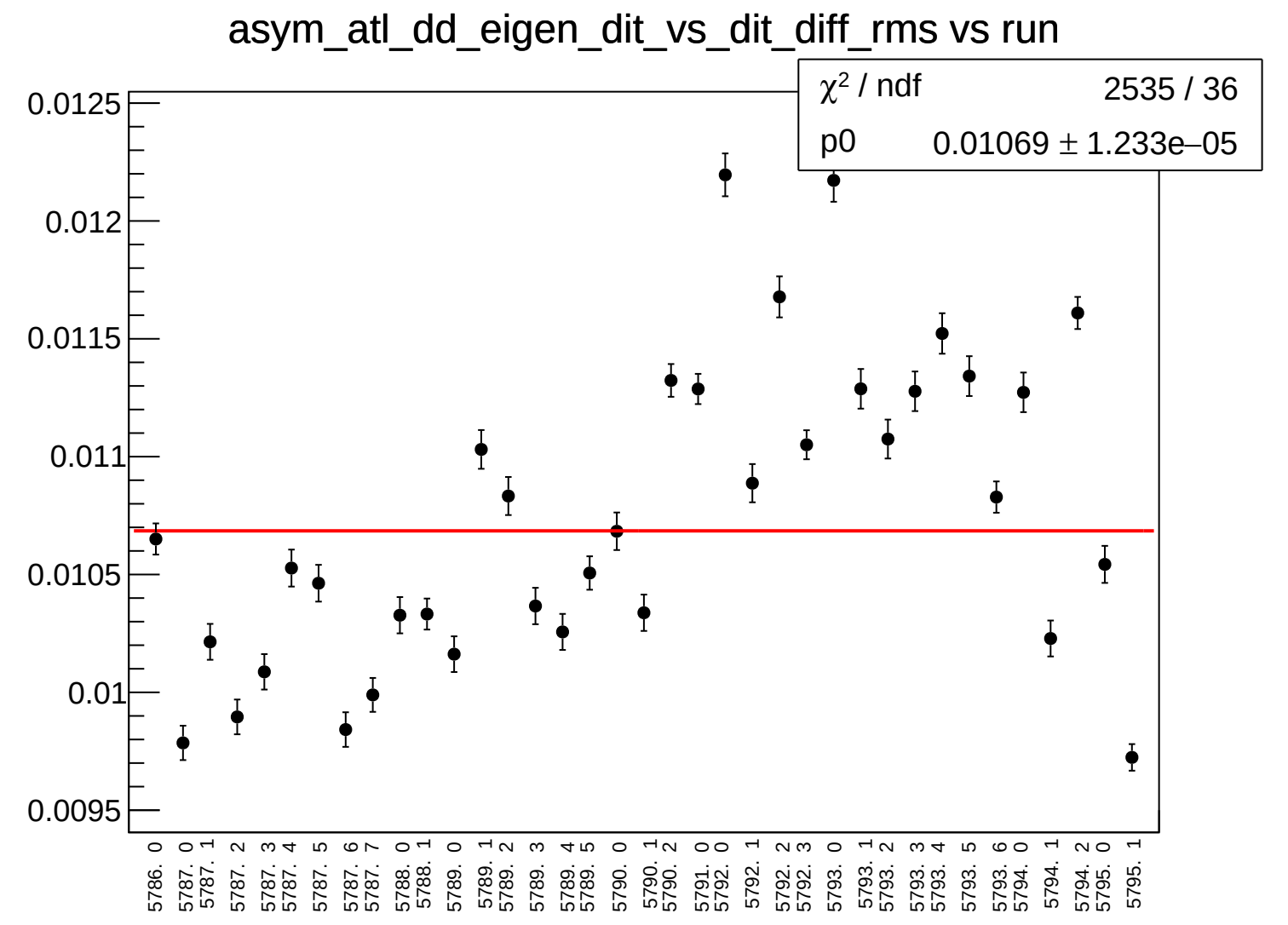


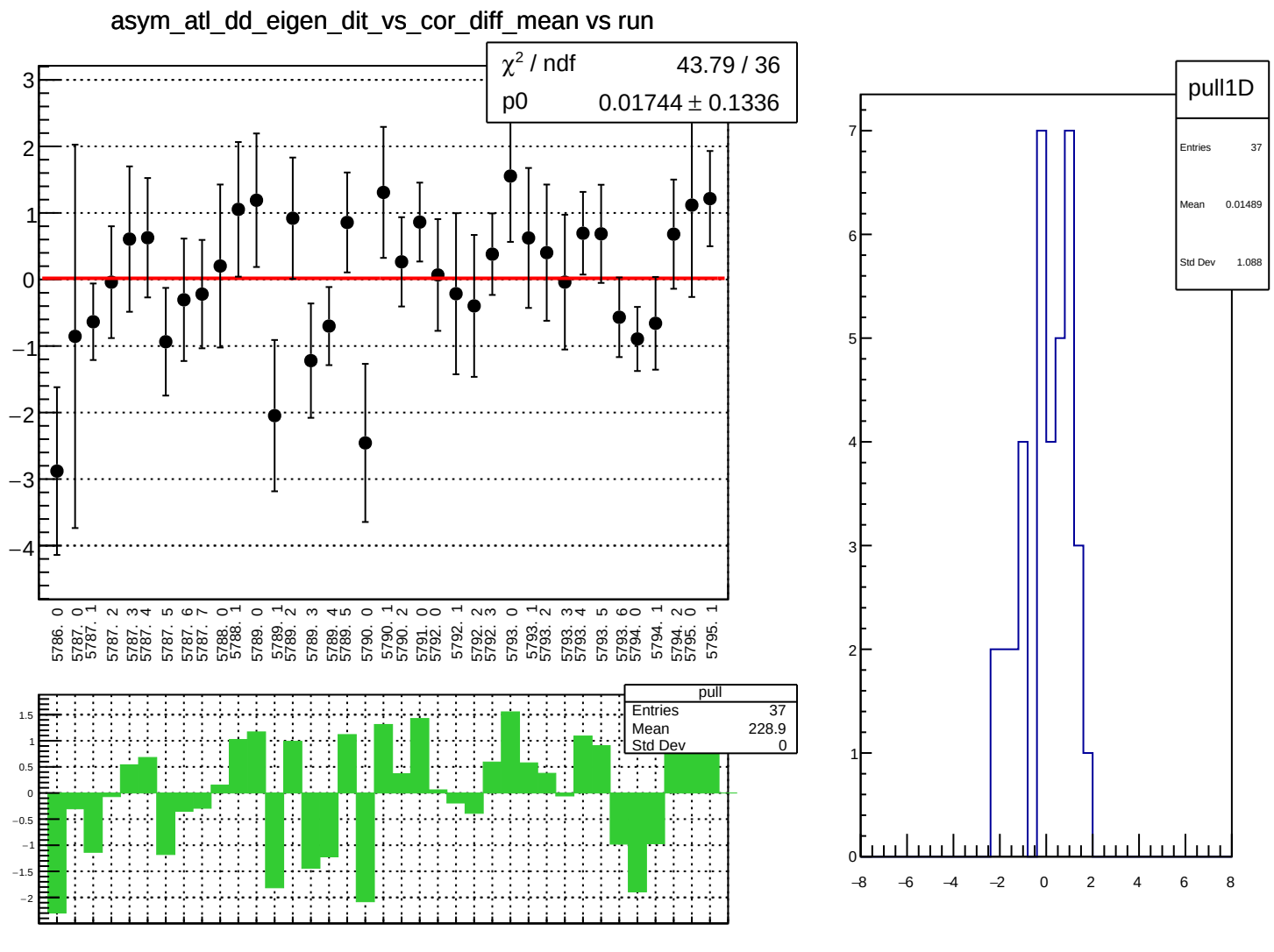


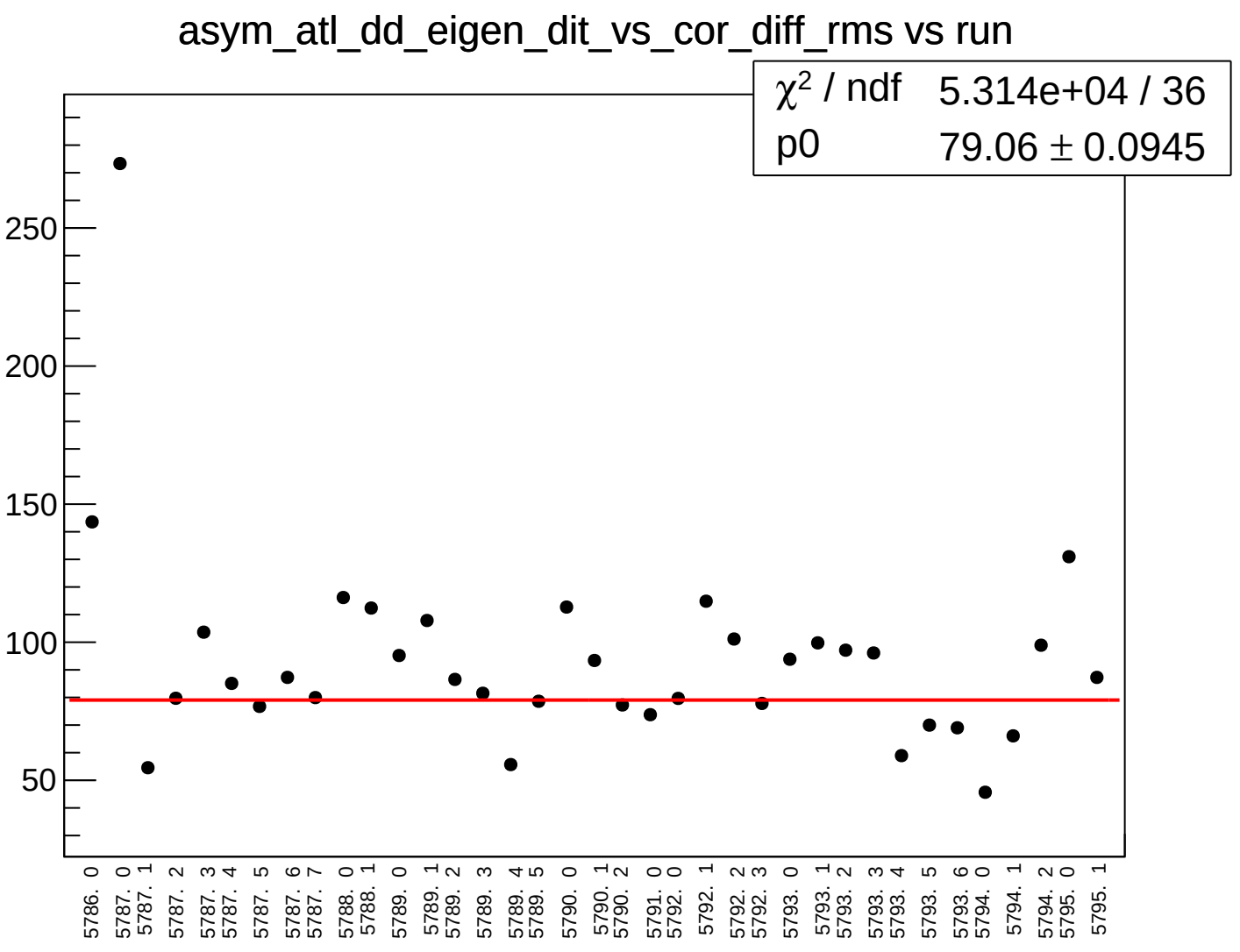


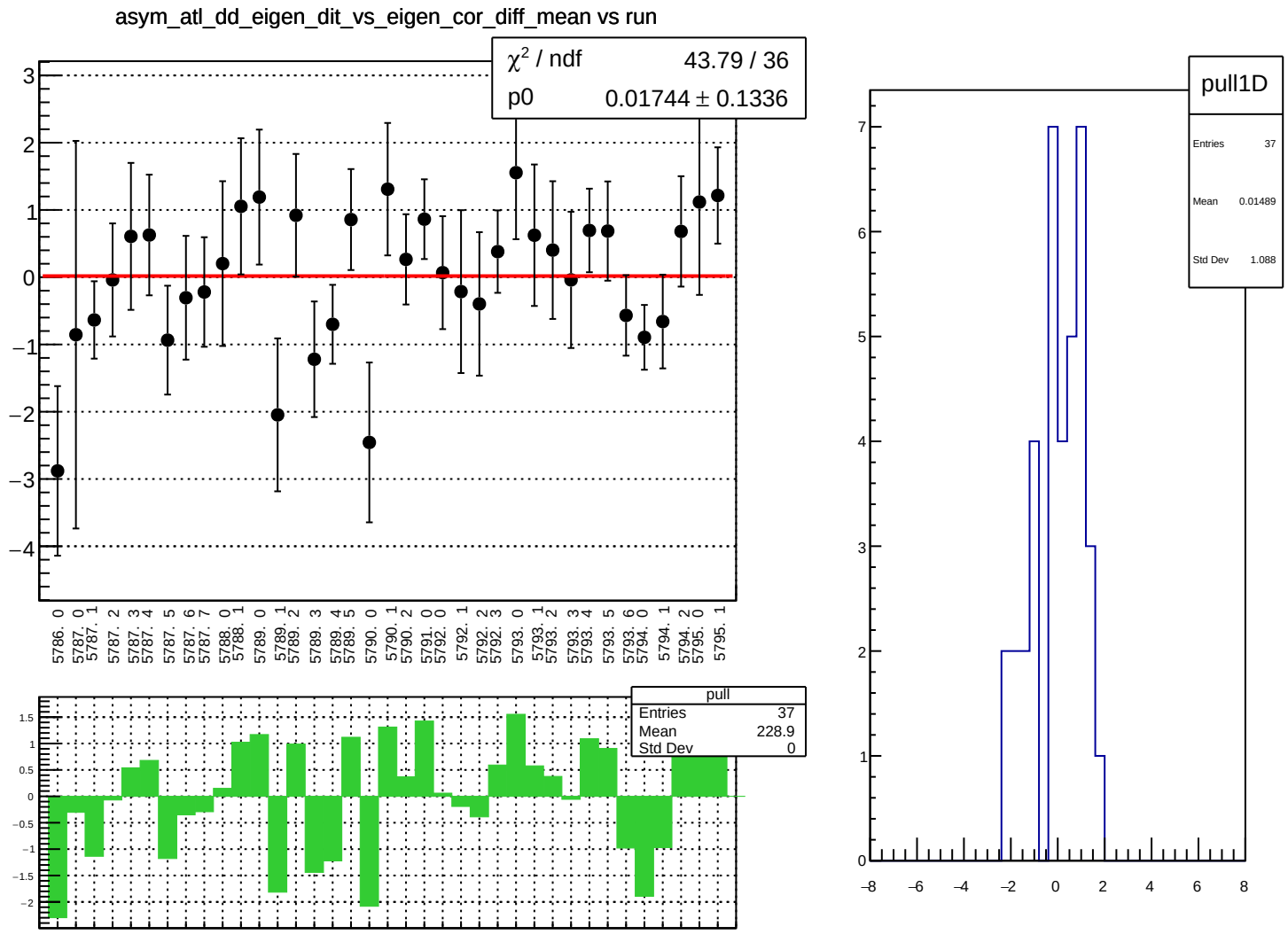

asym_atl_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.314e+04 / 36
p0 79.05 ± 0.0945
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

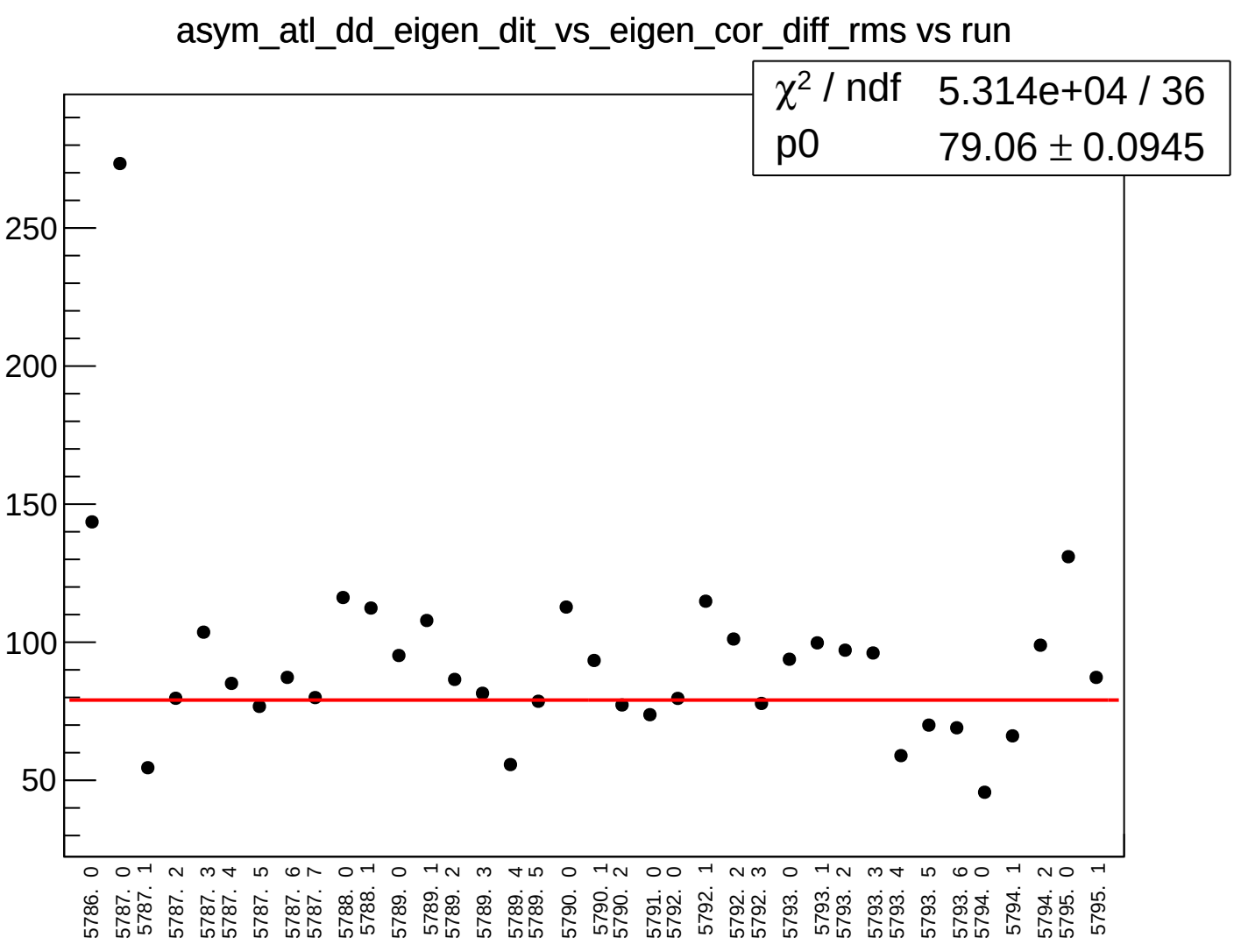

asym_atl_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.43 / 36
p0 −3.116e−05 ± 1.744e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −53.83
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.008874
Std Dev 1.019
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

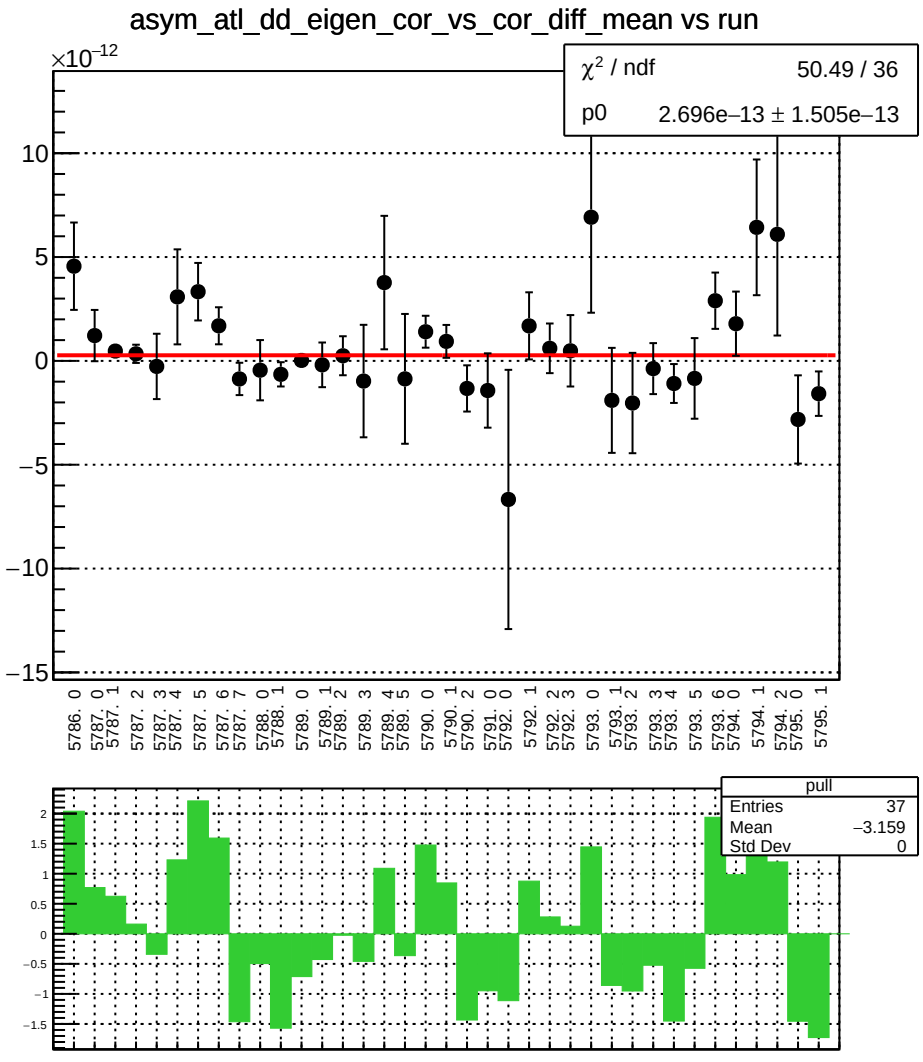

asym_atl_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2535 / 36
p0 0.01069 ± 1.233e–05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

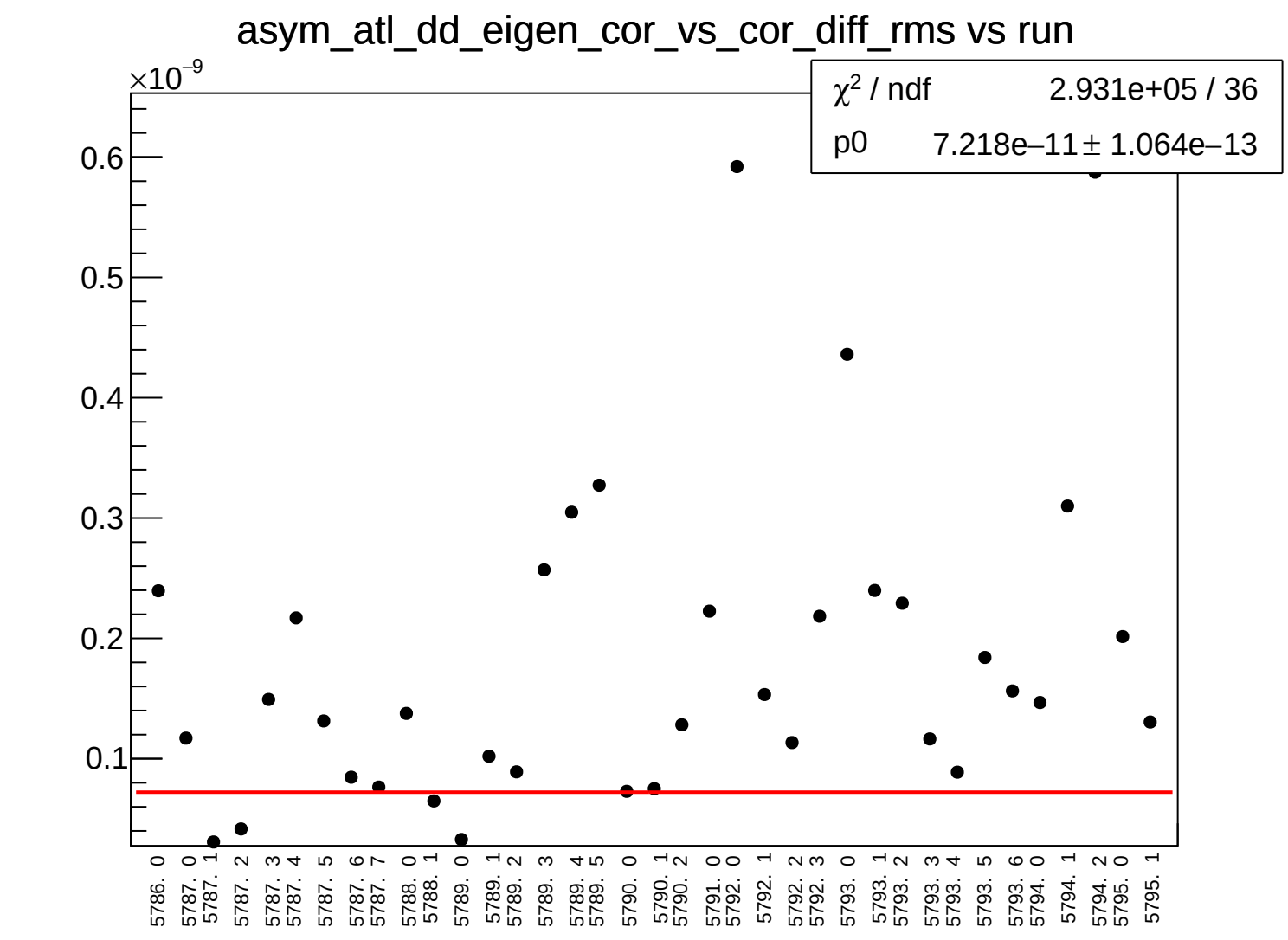

asym_atl_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.01744 ± 0.1336
pull
Entries 37
Mean 228.9
Std Dev 0
pull1D
Entries 37
Mean 0.01489
Std Dev 1.088

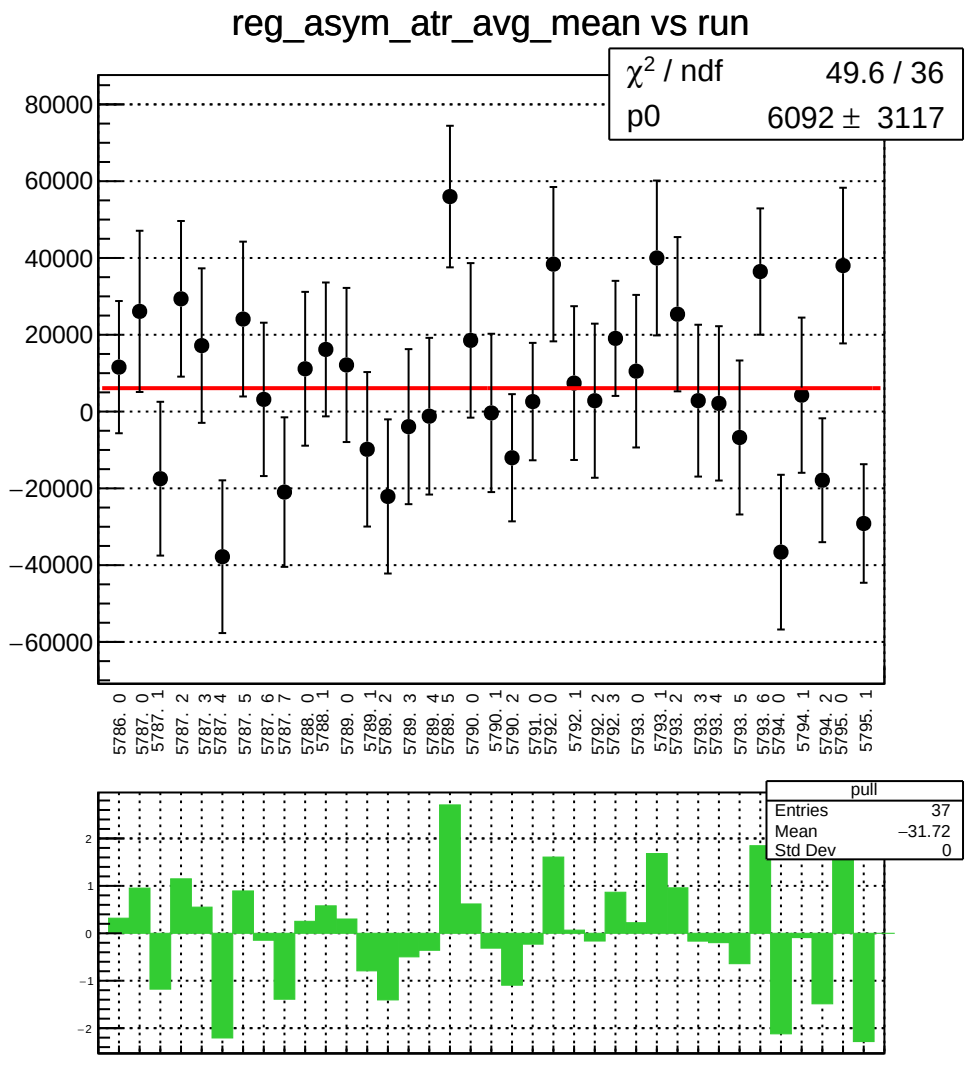

asym_atl_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.314e+04 / 36
p0 79.06 ± 0.0945
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

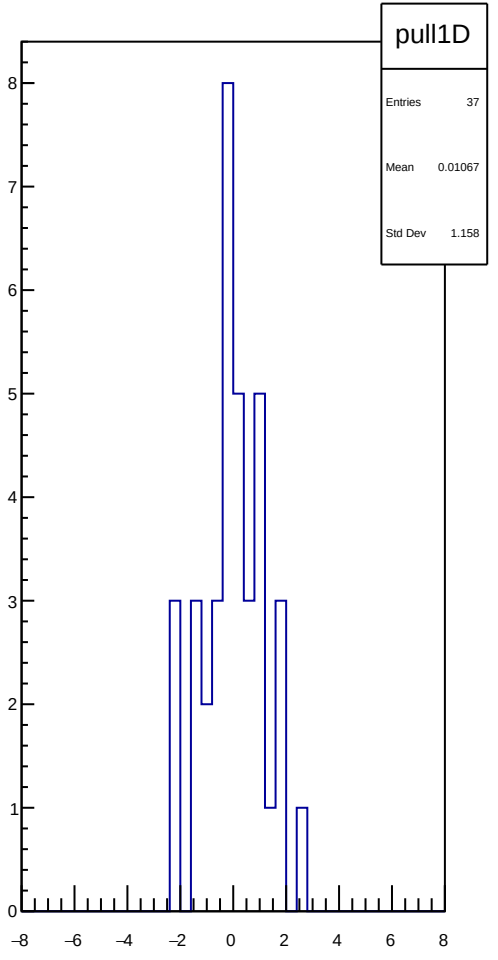

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.01744 ± 0.1336
pull
Entries 37
Mean 228.9
Std Dev 0
pull1D
Entries 37
Mean 0.01489
Std Dev 1.088

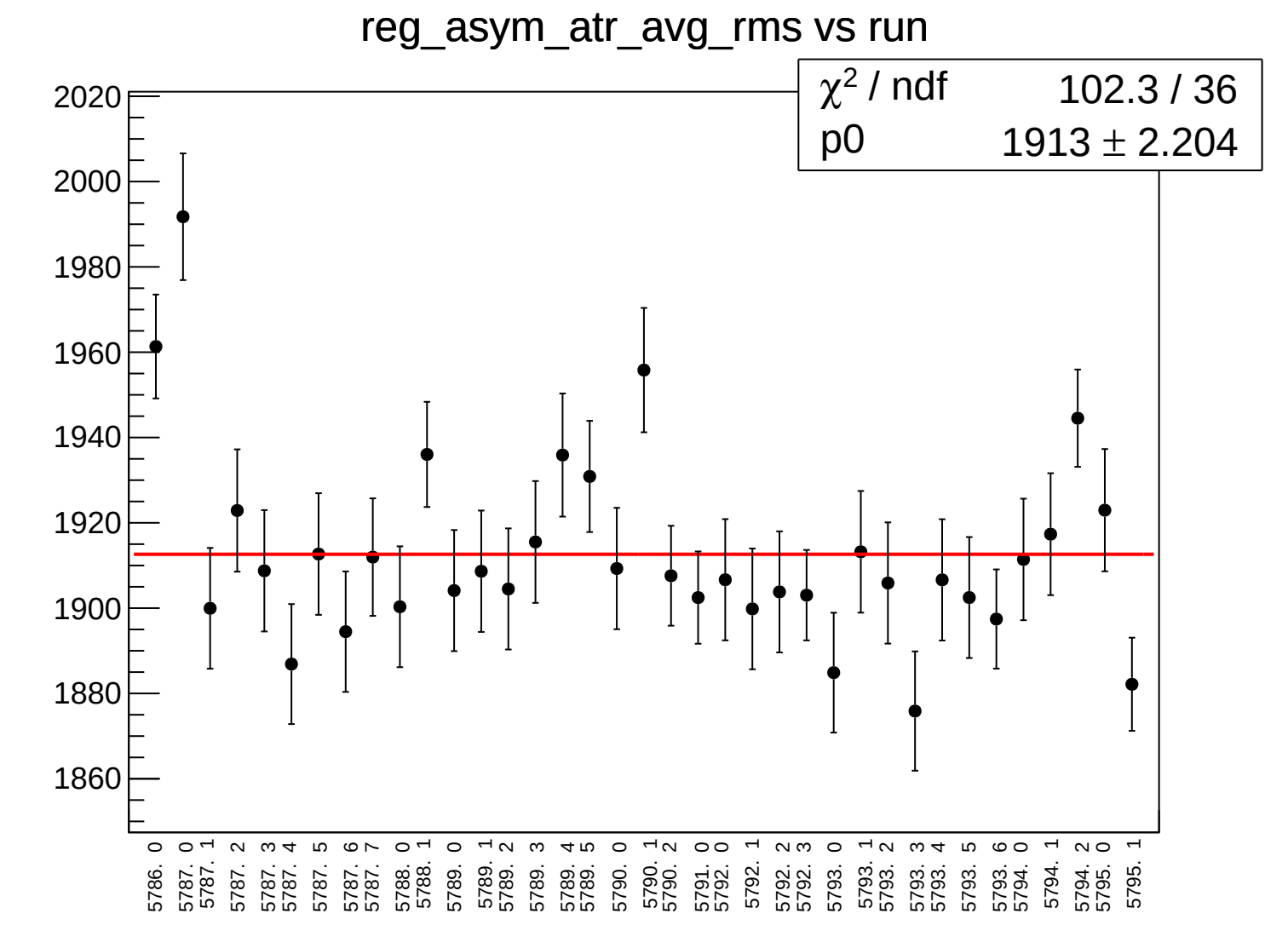

asym_atl_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.314e+04 / 36
p0 79.06 ± 0.0945
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

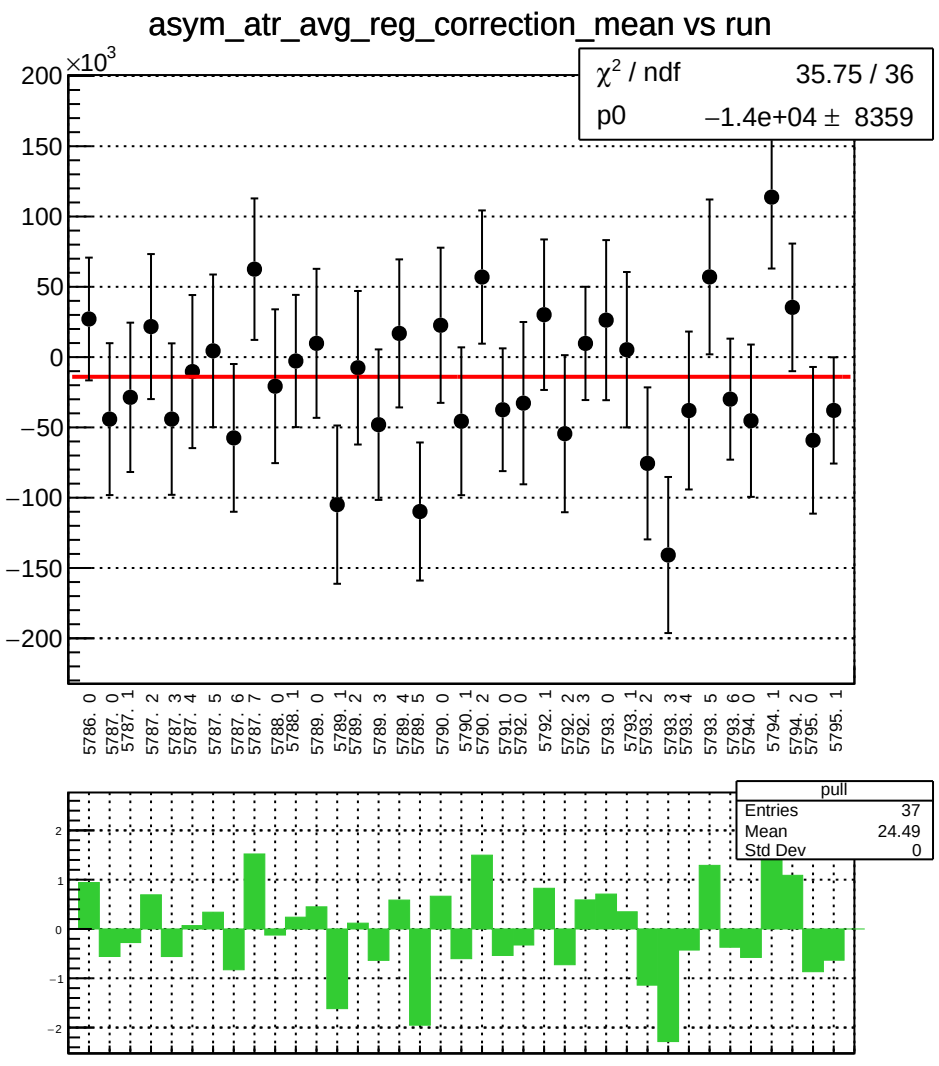

asym_atl_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.49 / 36
p0 2.696e−13 ± 1.505e−13
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.159
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.105
Std Dev 1.163
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

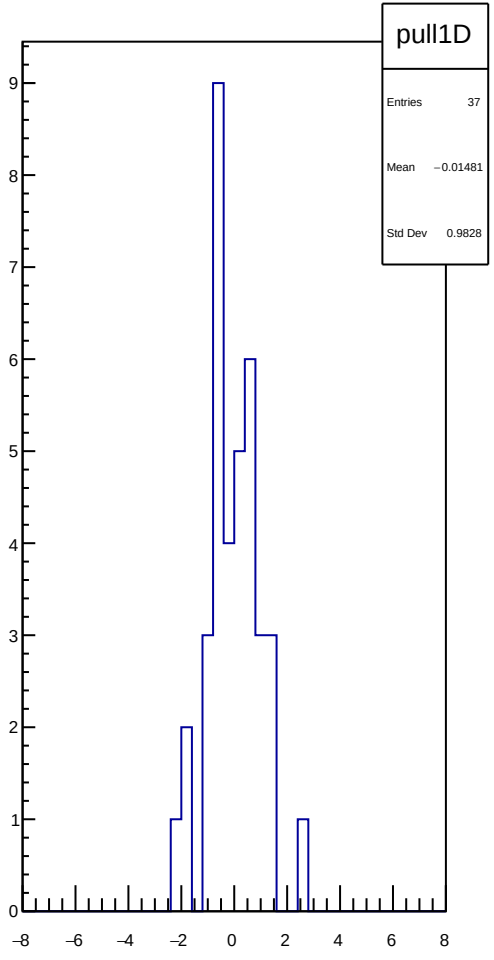

asym_atl_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.931e+05 / 36
p0 7.218e−11 ± 1.064e−13
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

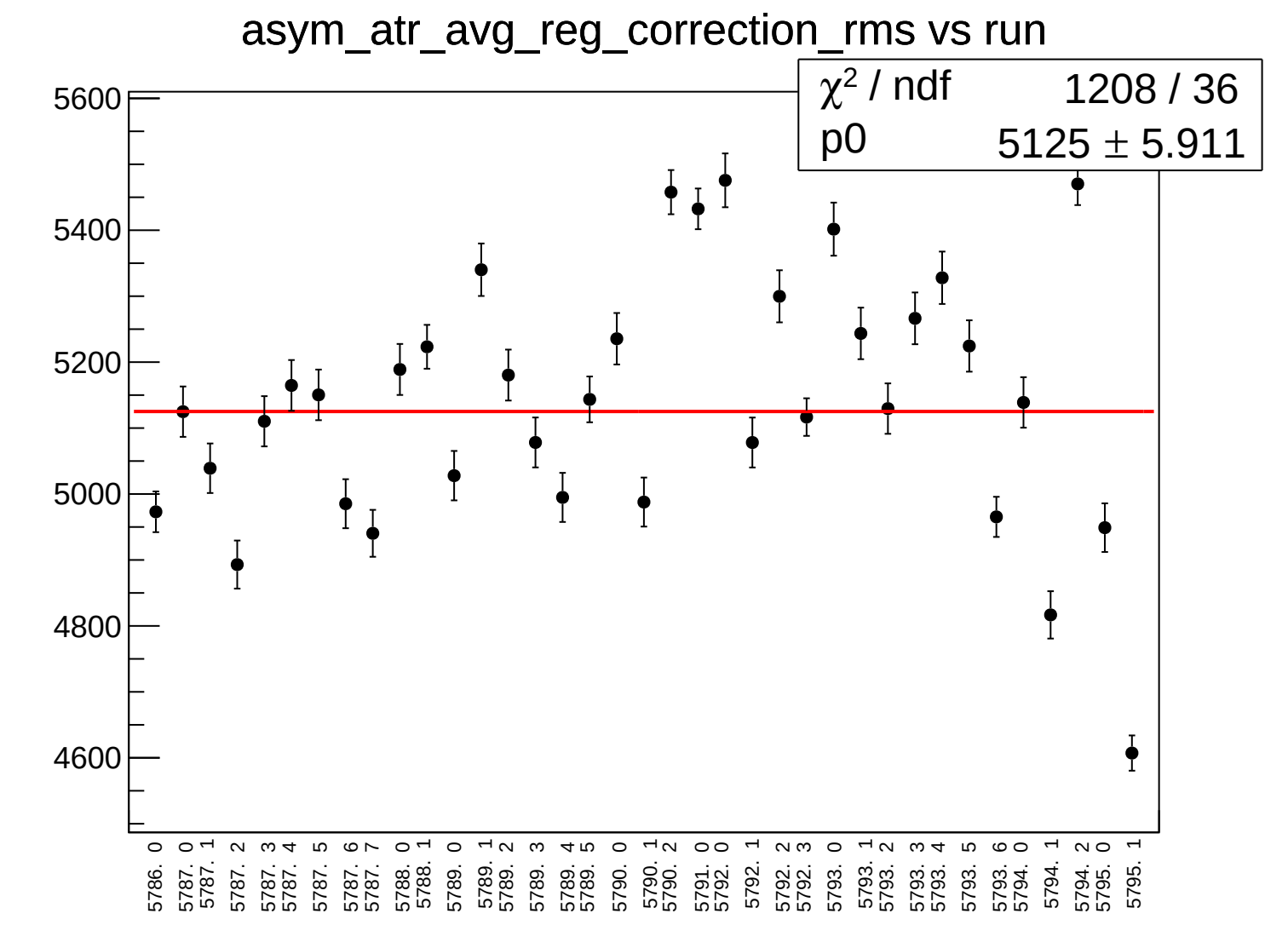

reg_asym_atr_avg_mean vs run
χ² / ndf 49.6 / 36
p0 6092 ± 3117
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.72
Std Dev 0
2
1
0
−1
−2

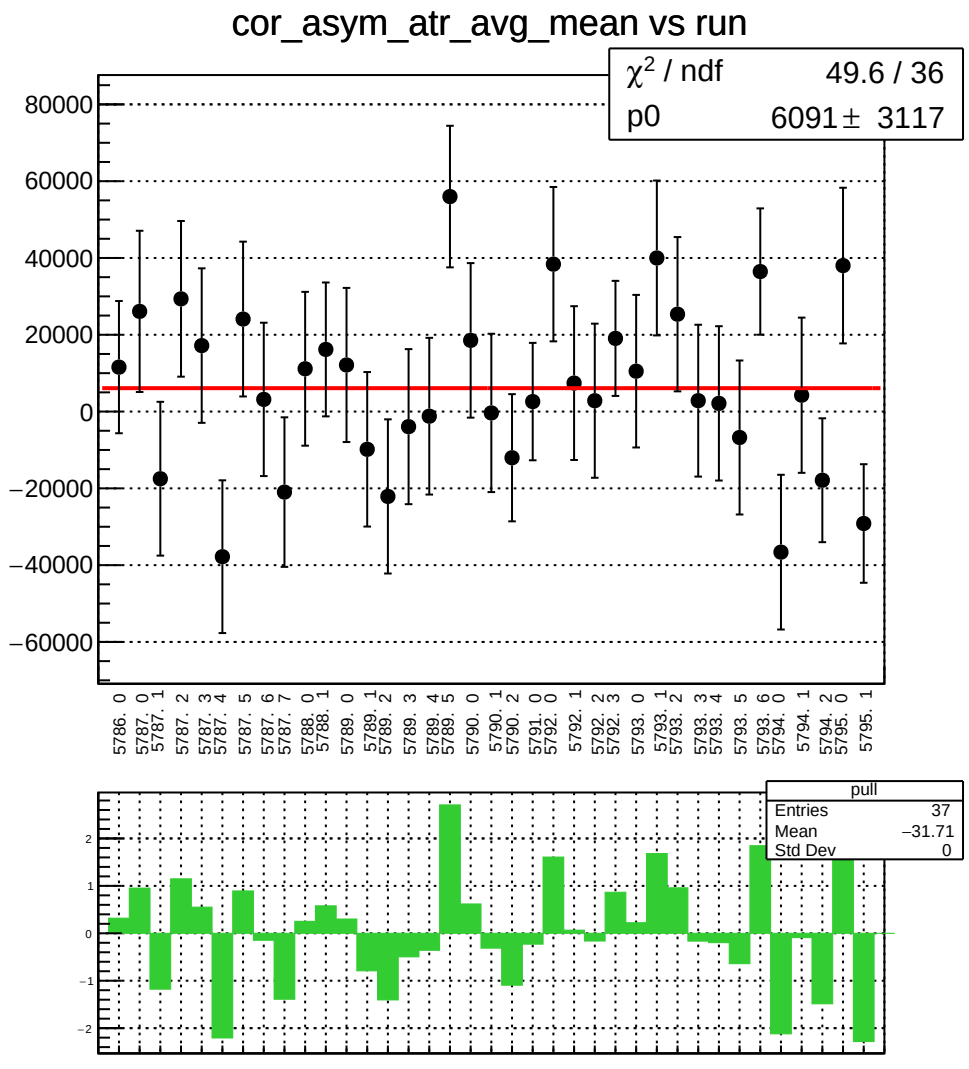

pull1D
Entries 37
Mean 0.01067
Std Dev 1.158
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

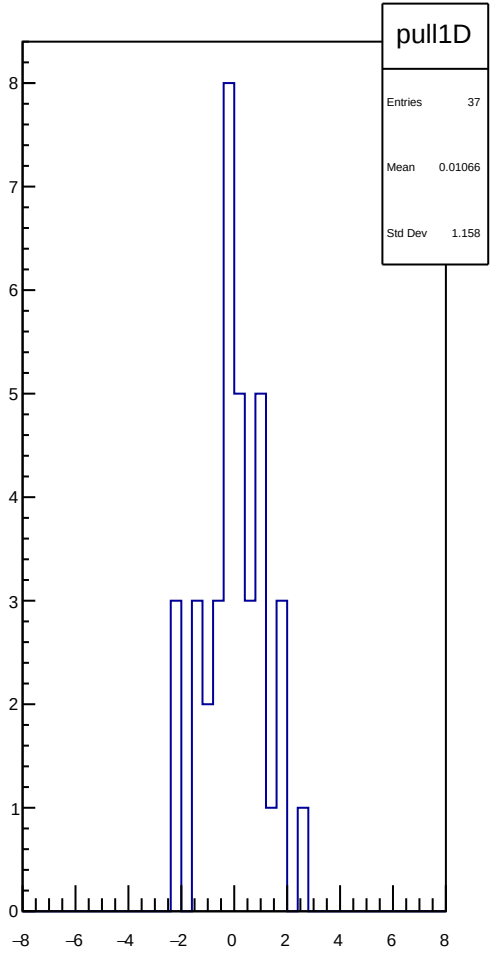

reg_asym_atr_avg_rms vs run
χ^2 / ndf 102.3 / 36
p0 1913 ± 2.204
2020
2000
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

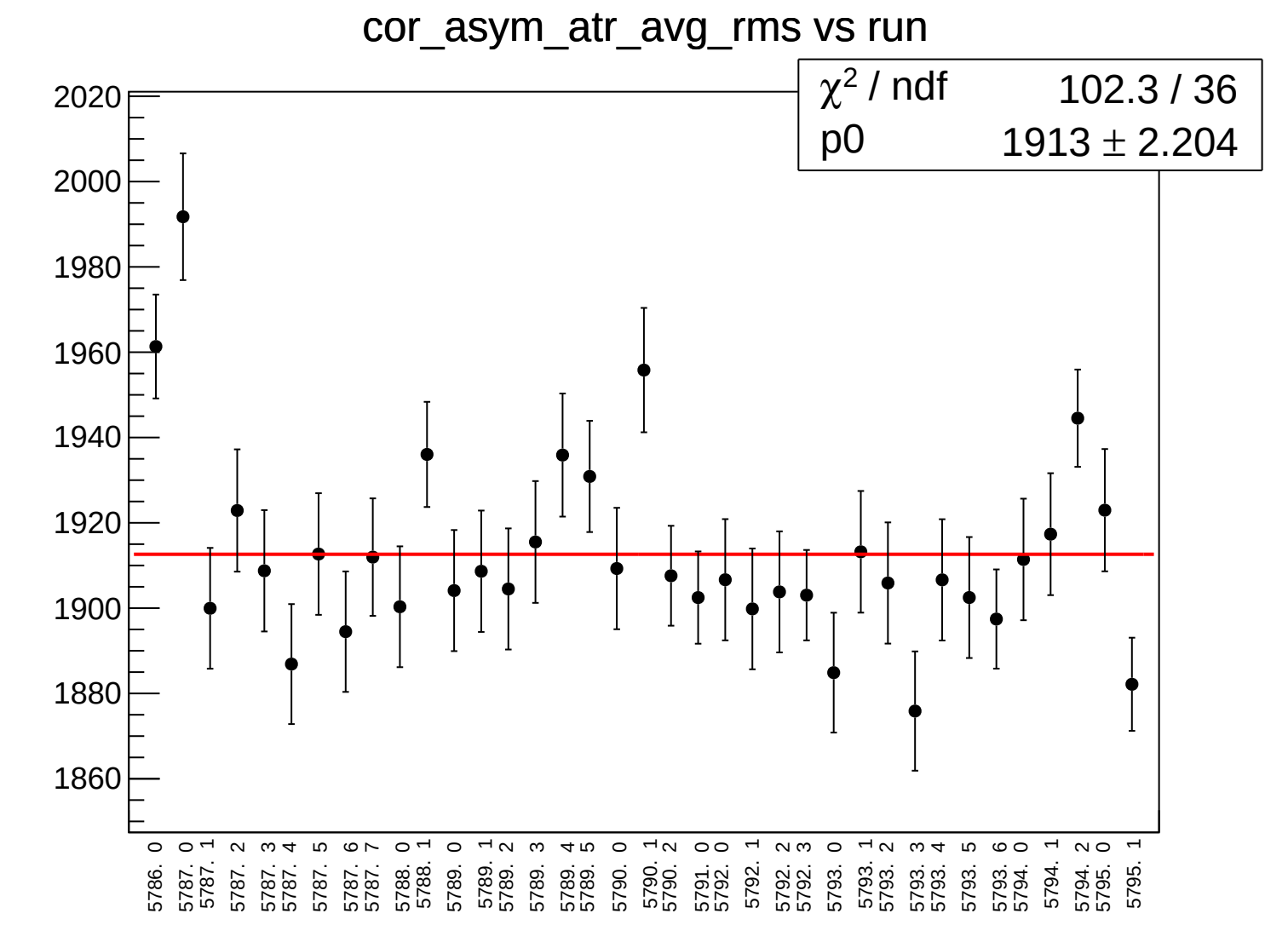

asym_atr_avg_reg_correction_mean vs run
χ² / ndf 35.75 / 36
p0 −1.4e+04 ± 8359
×10³
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.49
Std Dev 0
2
1
0
−1
−2

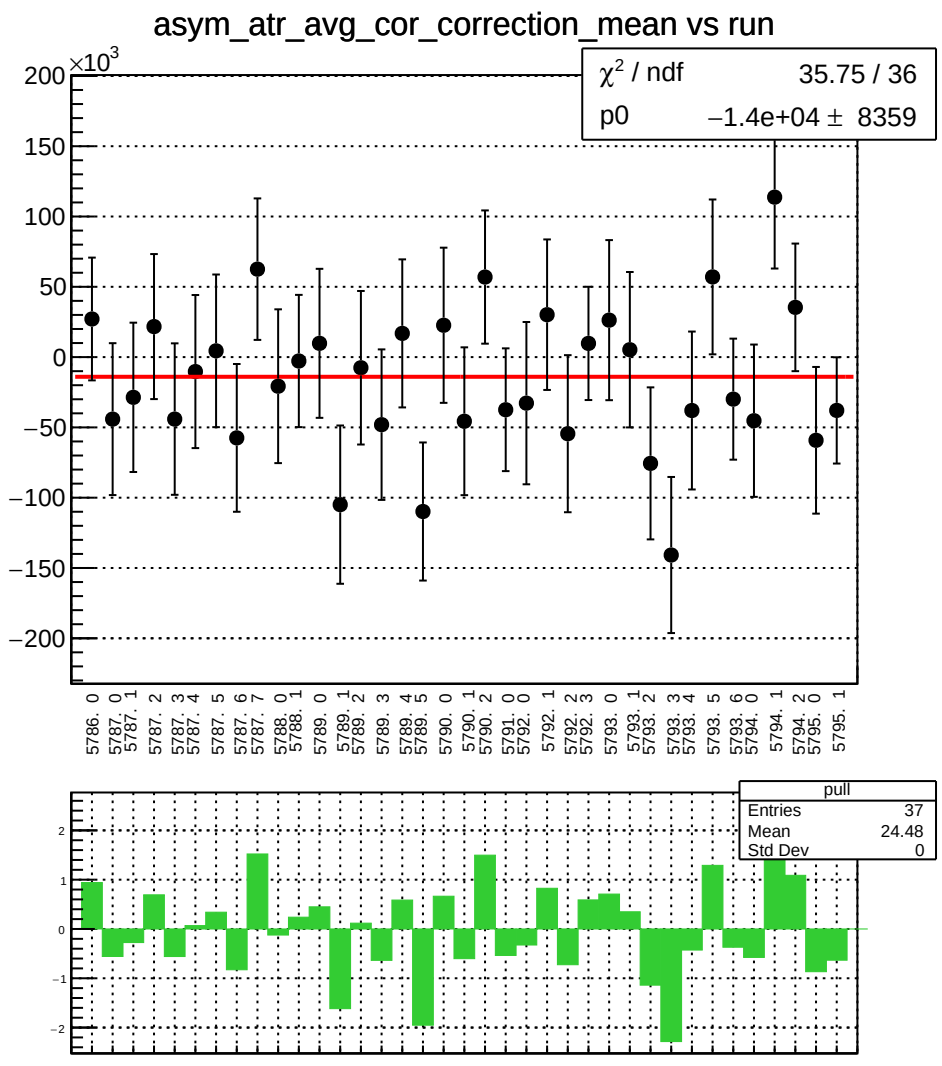

pull1D
Entries 37
Mean −0.01481
Std Dev 0.9828
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

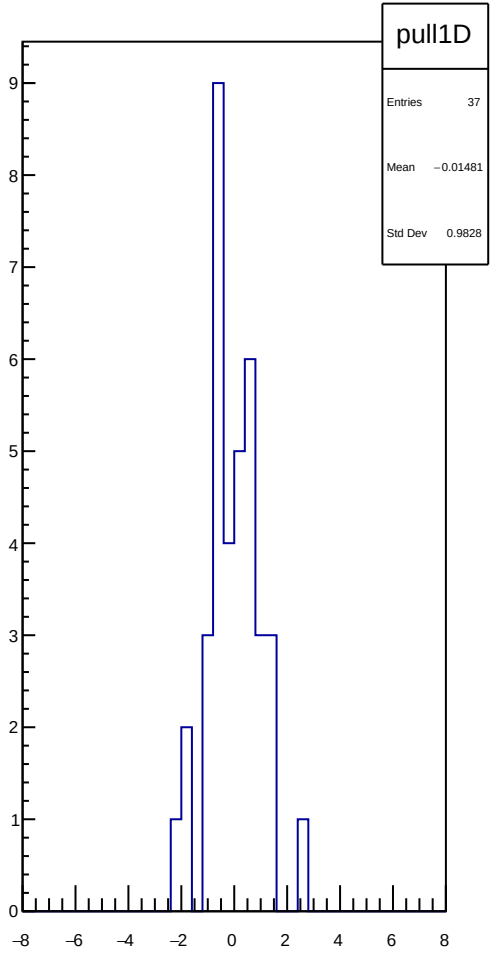

asym_atr_avg_reg_correction_rms vs run
χ² / ndf 1208 / 36
p0 5125 ± 5.911
5600
5400
5200
5000
4800
4600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

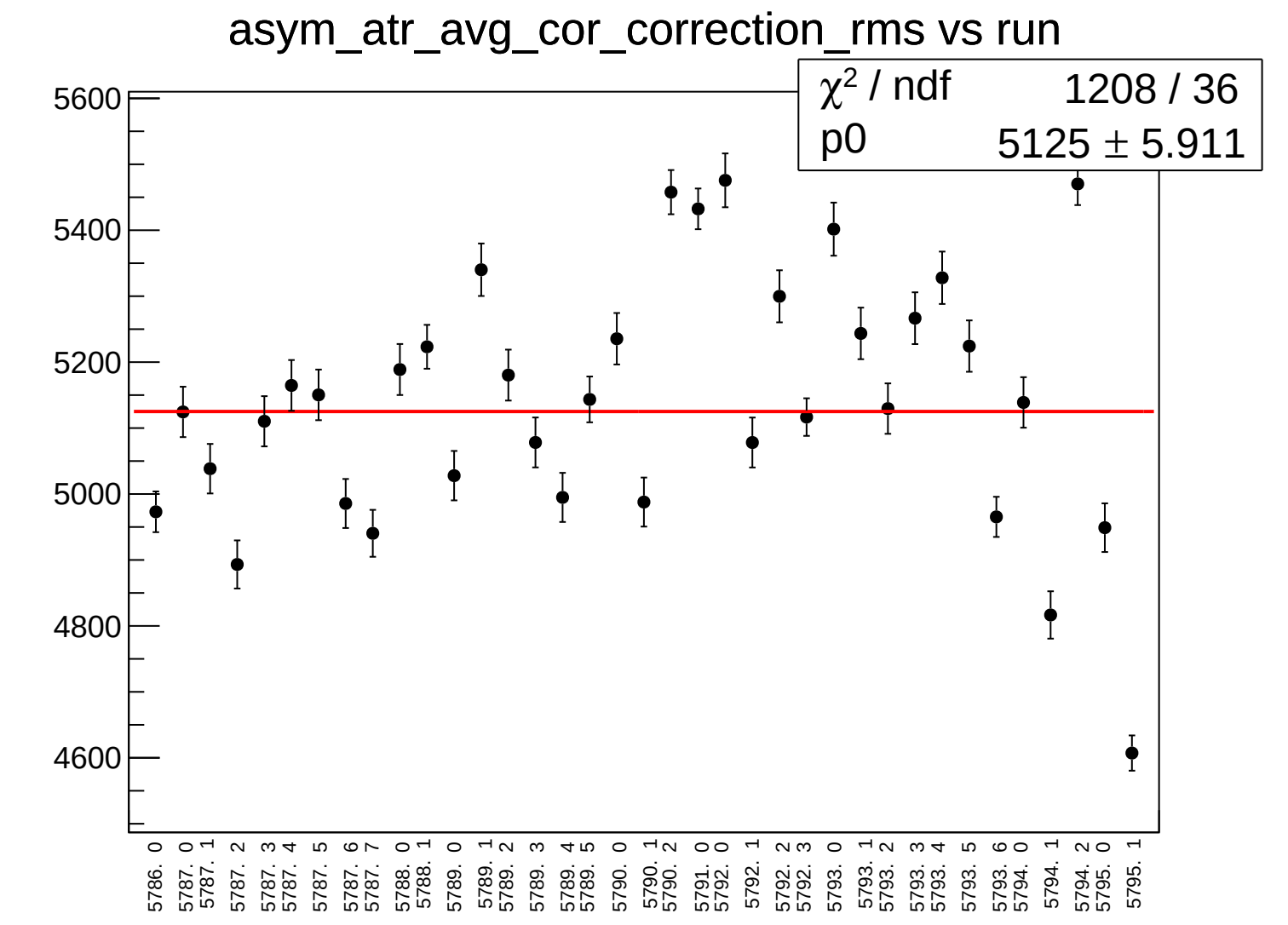

cor_asym_atr_avg_mean vs run
χ² / ndf 49.6 / 36
p0 6091 ± 3117
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.71
Std Dev 0
2
1
0
−1
−2

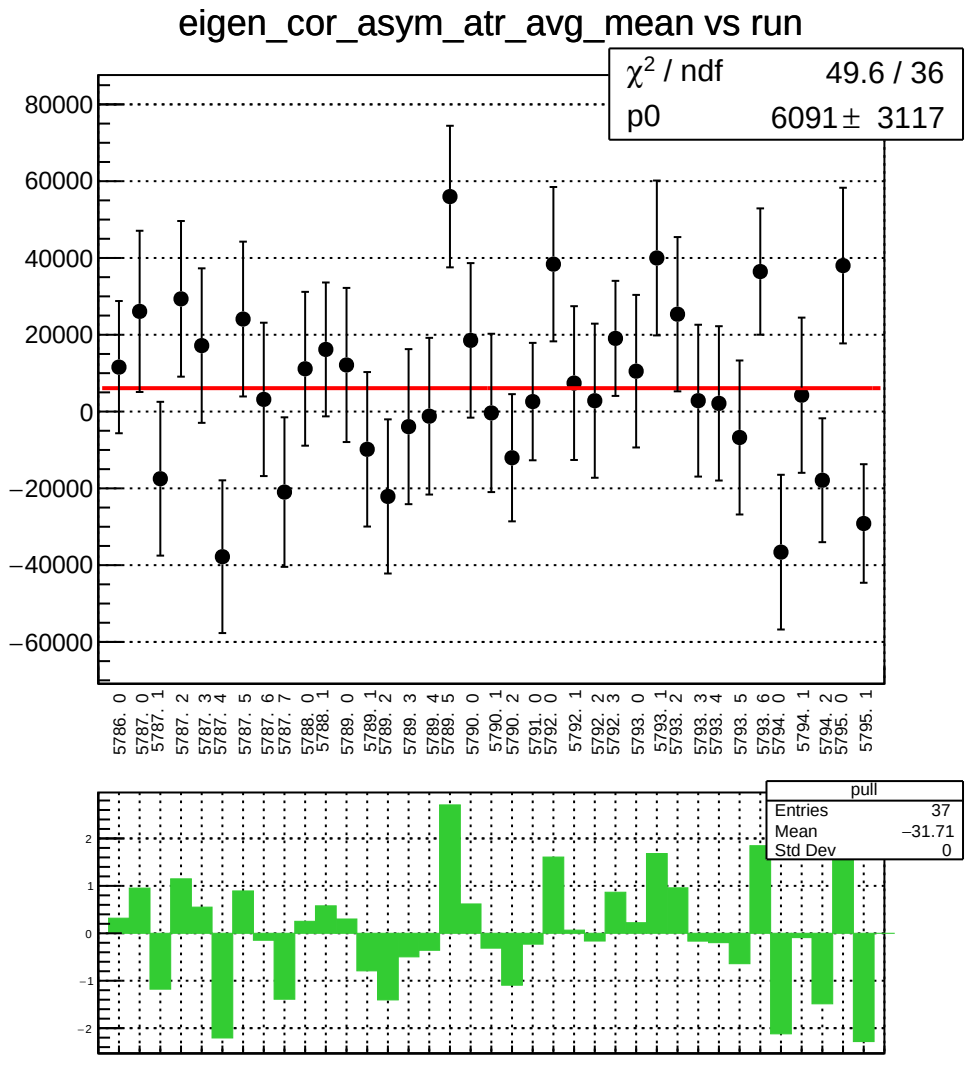

pull1D
Entries 37
Mean 0.01066
Std Dev 1.158
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

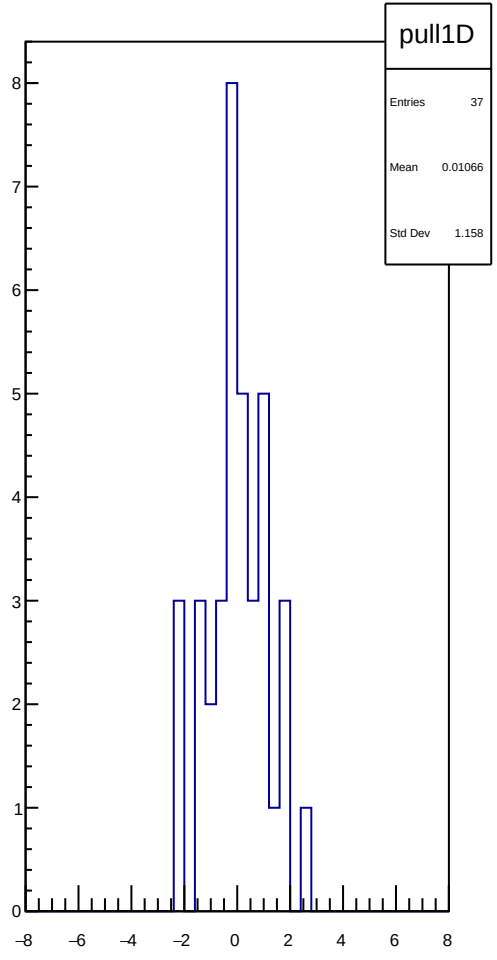

cor_asym_atr_avg_rms vs run
χ² / ndf 102.3 / 36
p0 1913 ± 2.204
2020
2000
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

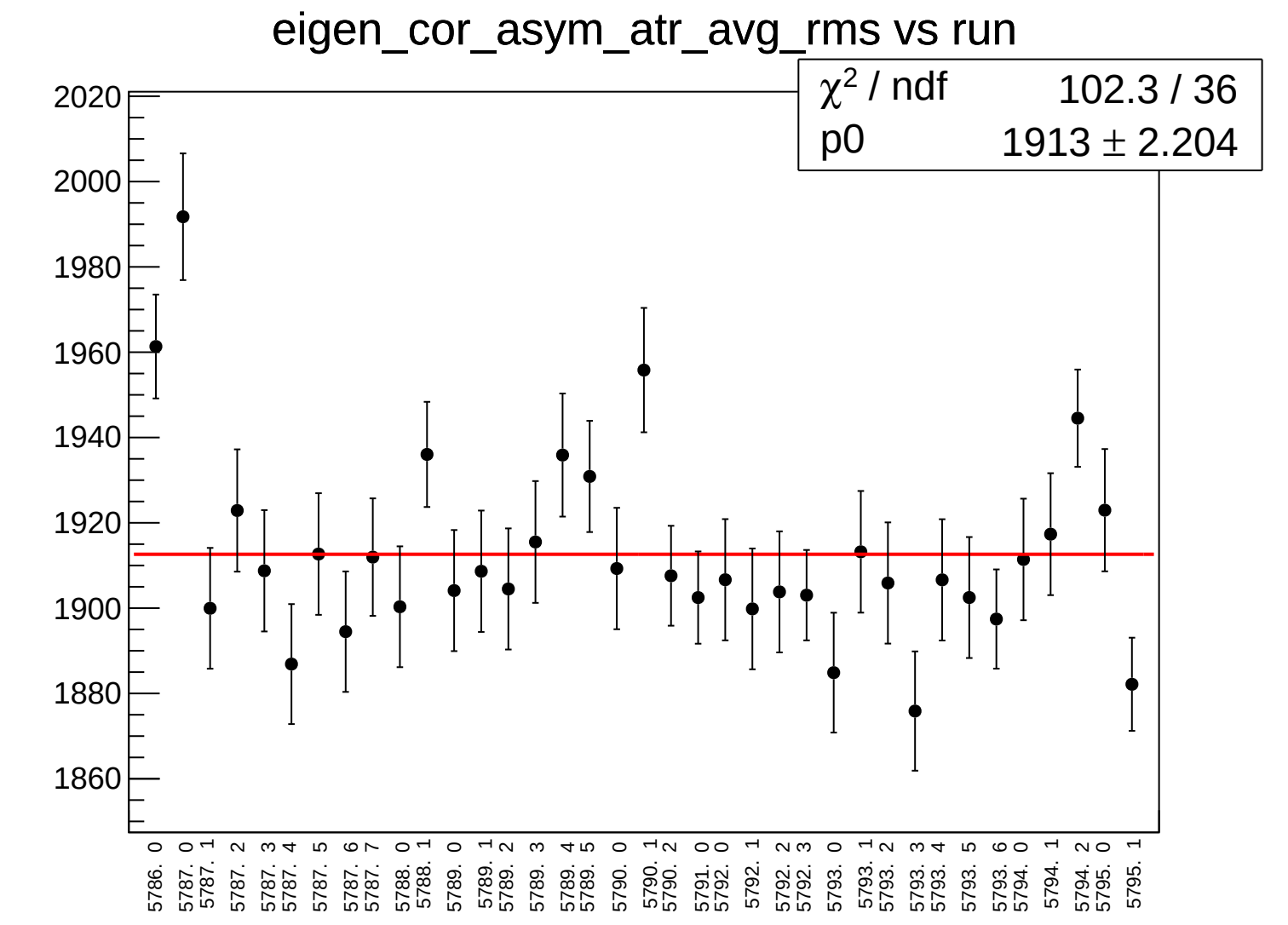

asym_atr_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.75 / 36
p0 −1.4e+04 ± 8359
pull
Entries 37
Mean 24.48
Std Dev 0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

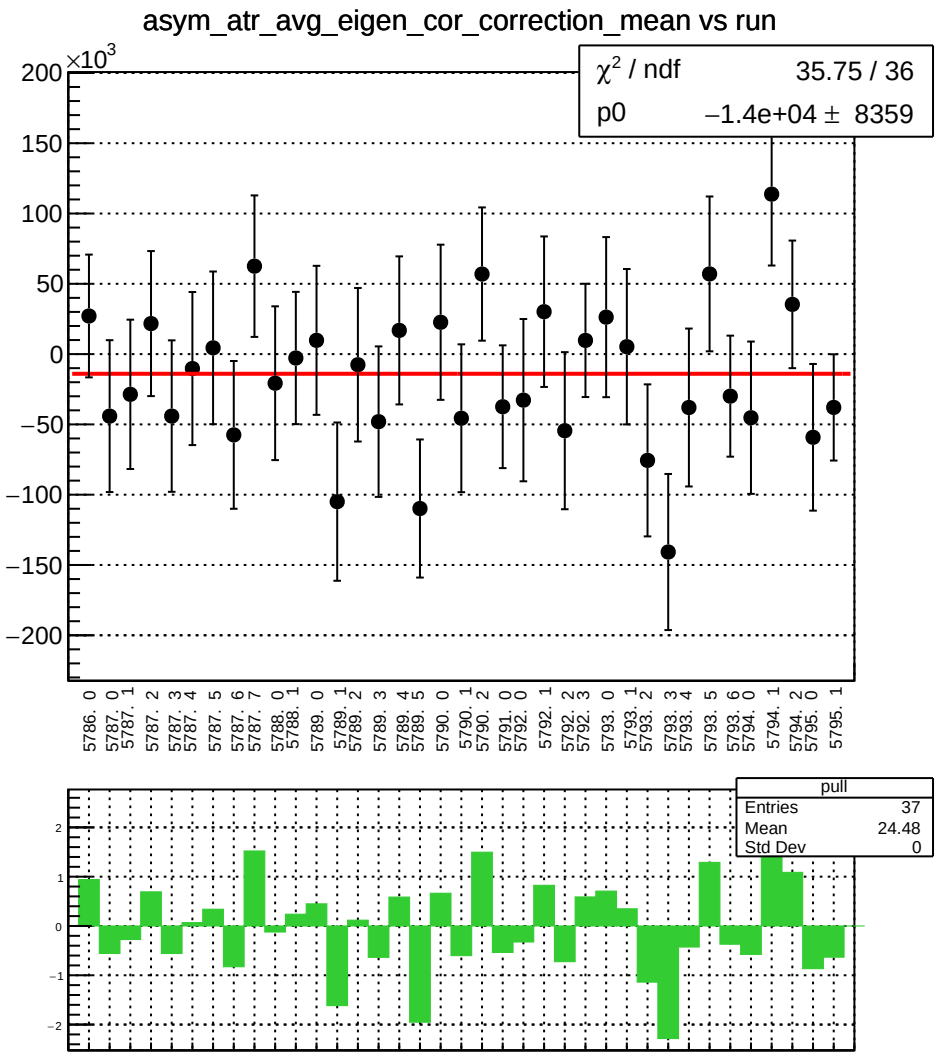

pull1D
Entries 37
Mean −0.01481
Std Dev 0.9828

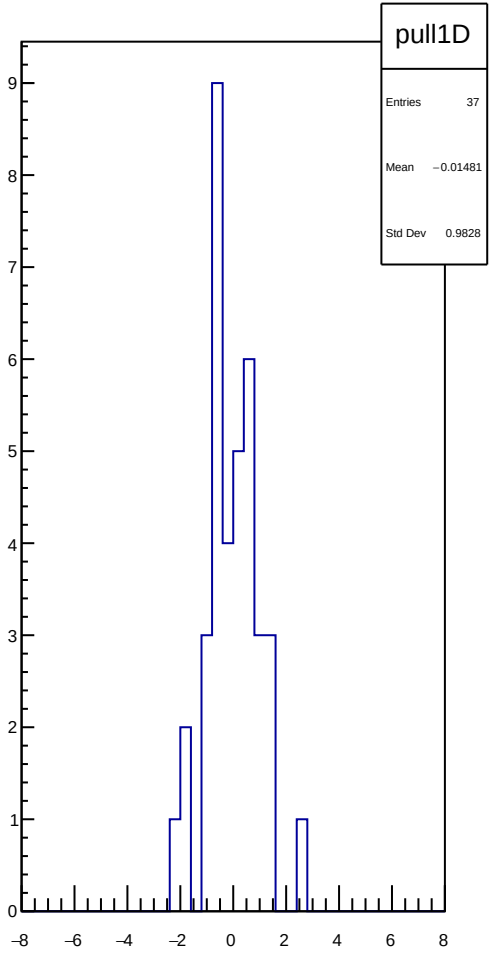

asym_atr_avg_cor_correction_rms vs run
χ² / ndf 1208 / 36
p0 5125 ± 5.911
5600
5400
5200
5000
4800
4600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

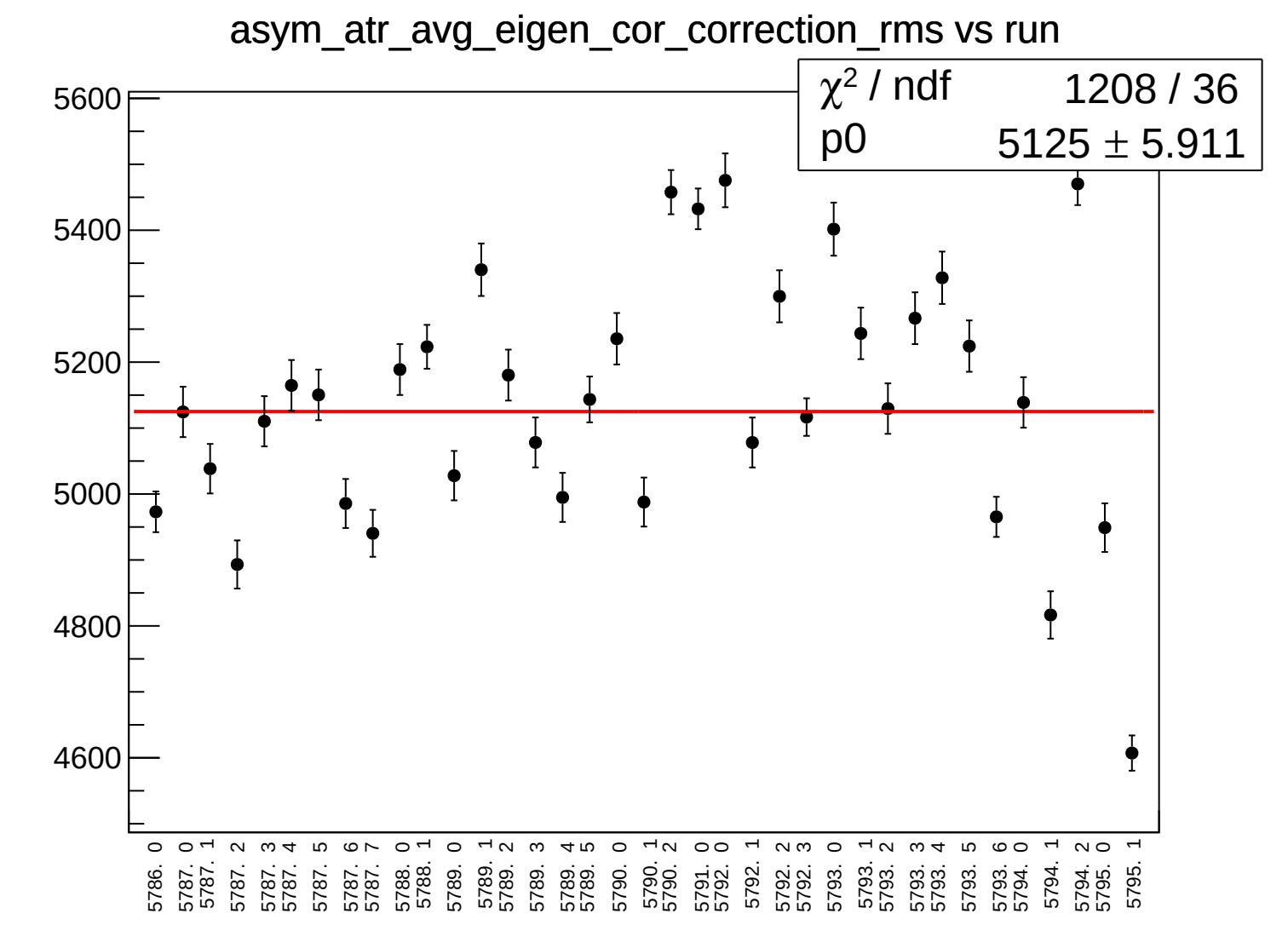

eigen_cor_asym_atr_avg_mean vs run
χ² / ndf 49.6 / 36
p0 6091 ± 3117
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.71
Std Dev 0
2
1
0
−1
−2

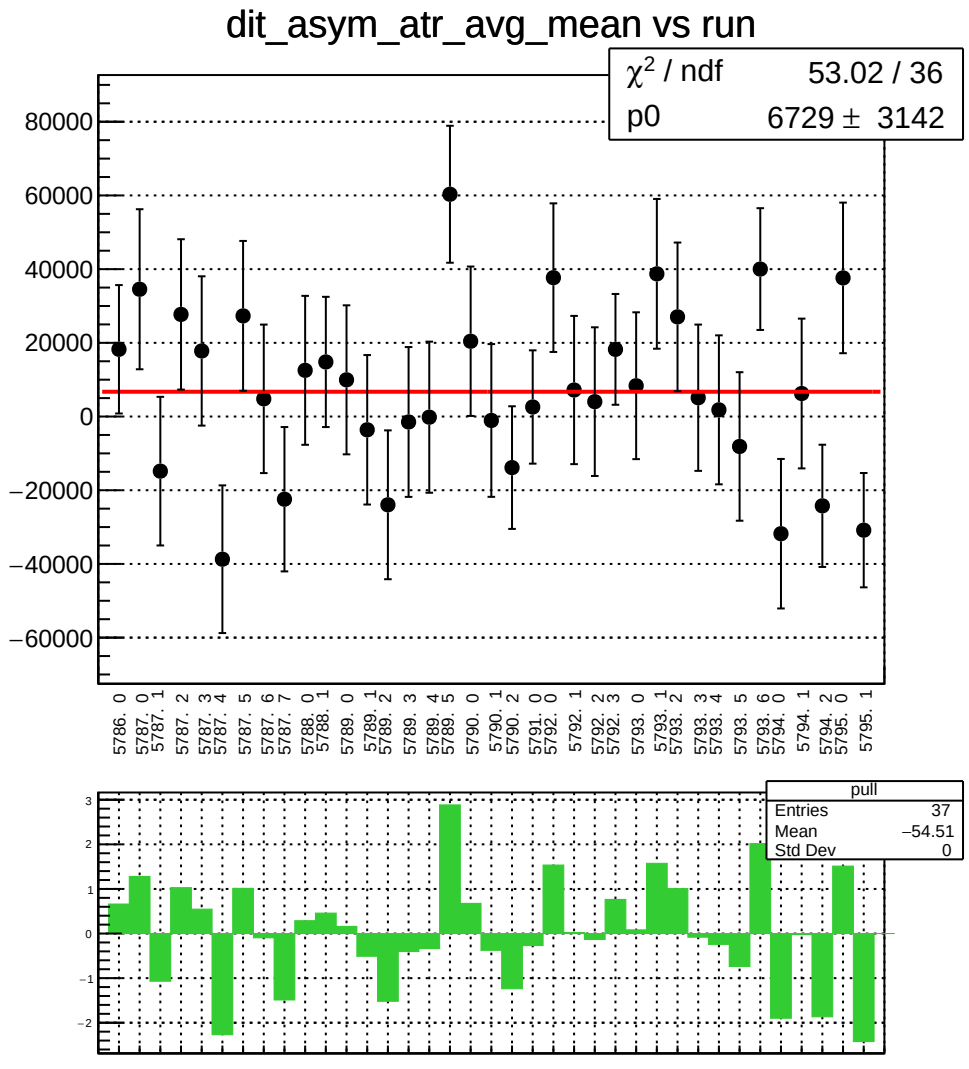

pull1D
Entries 37
Mean 0.01066
Std Dev 1.158
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

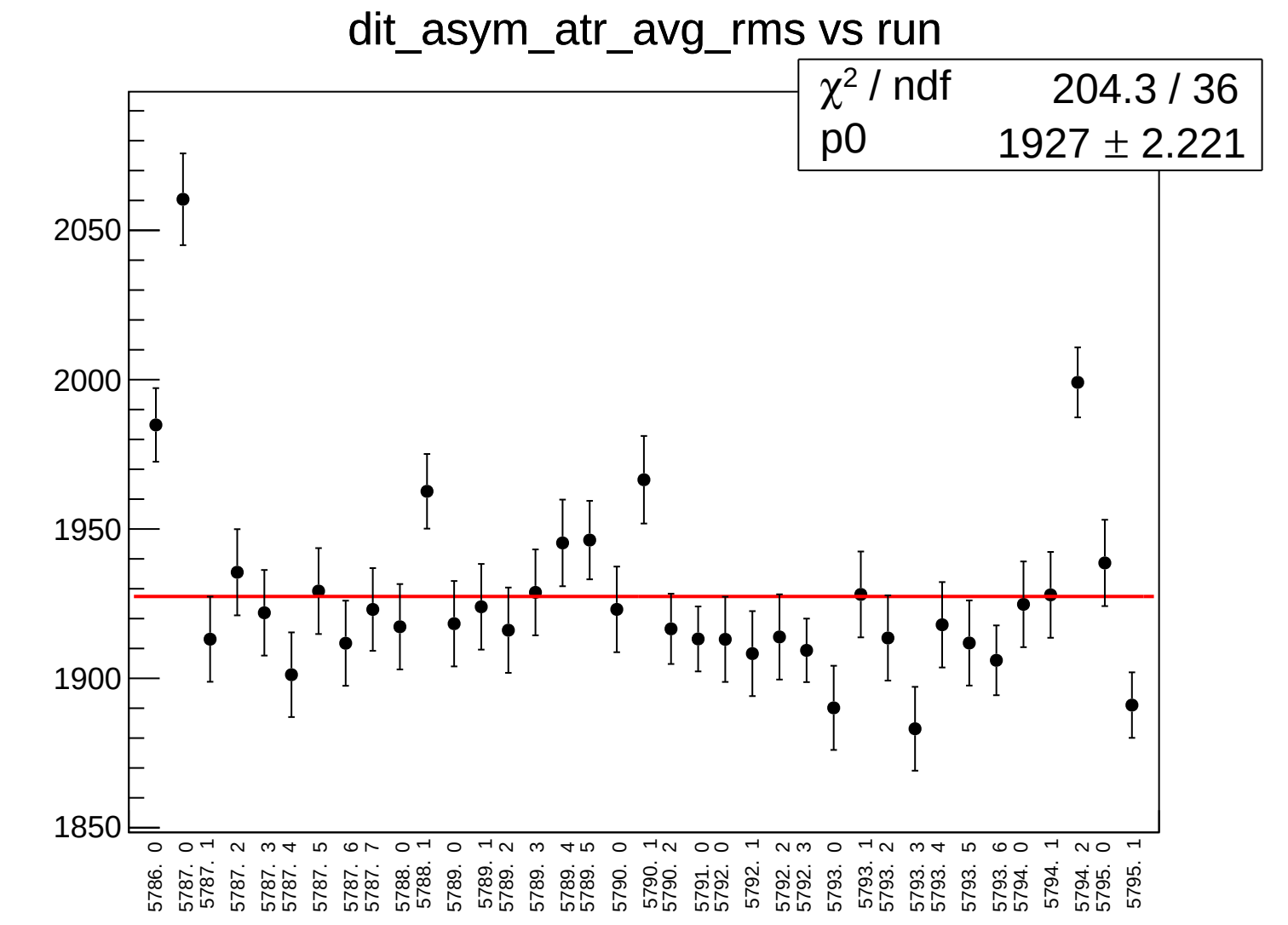

eigen_cor_asym_atr_avg_rms vs run
χ² / ndf 102.3 / 36
p0 1913 ± 2.204
2020
2000
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

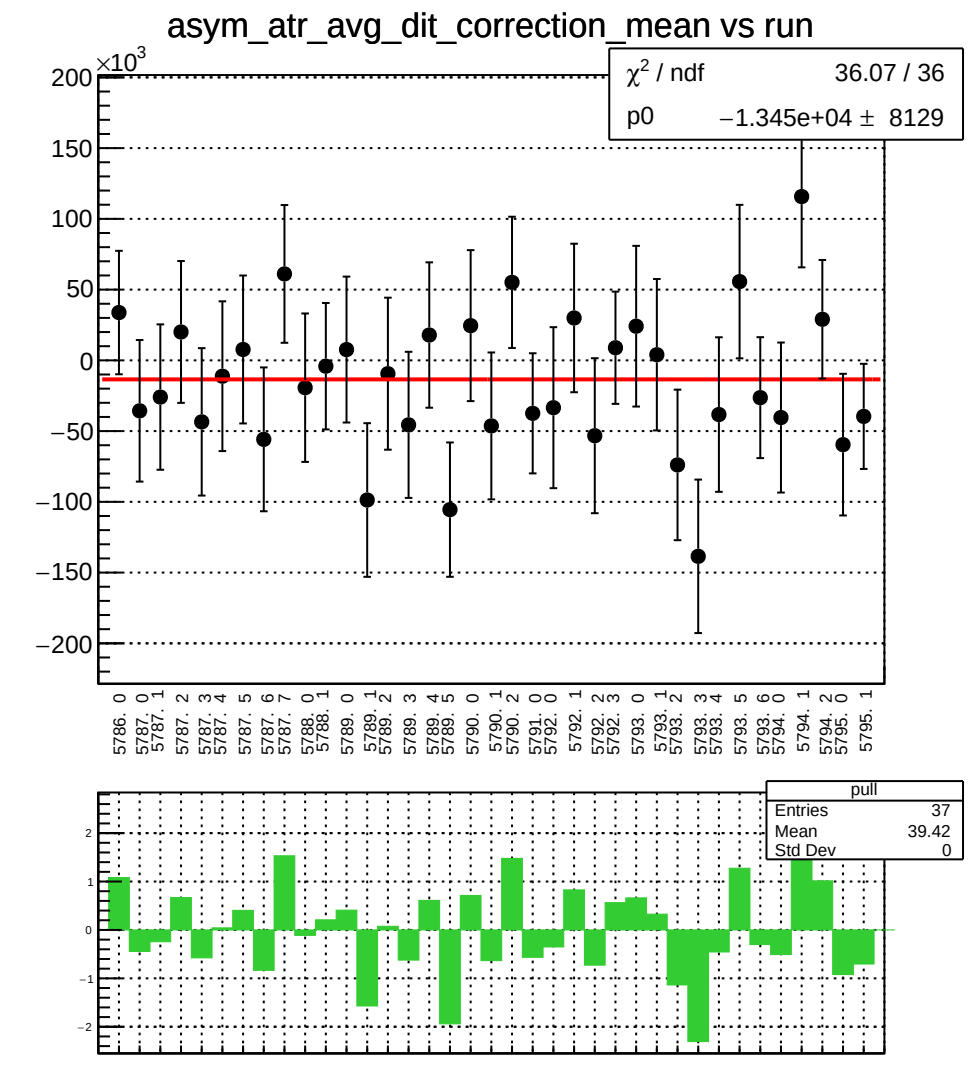

asym_atr_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.75 / 36
p0 −1.4e+04 ± 8359
×10³
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.48
Std Dev 0
2
1
0
−1
−2

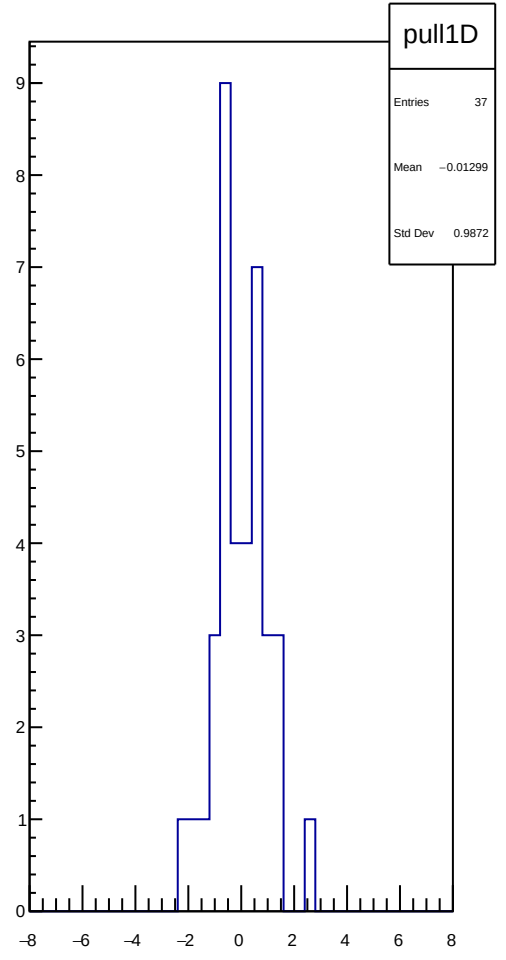

pull1D
Entries 37
Mean −0.01481
Std Dev 0.9828
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

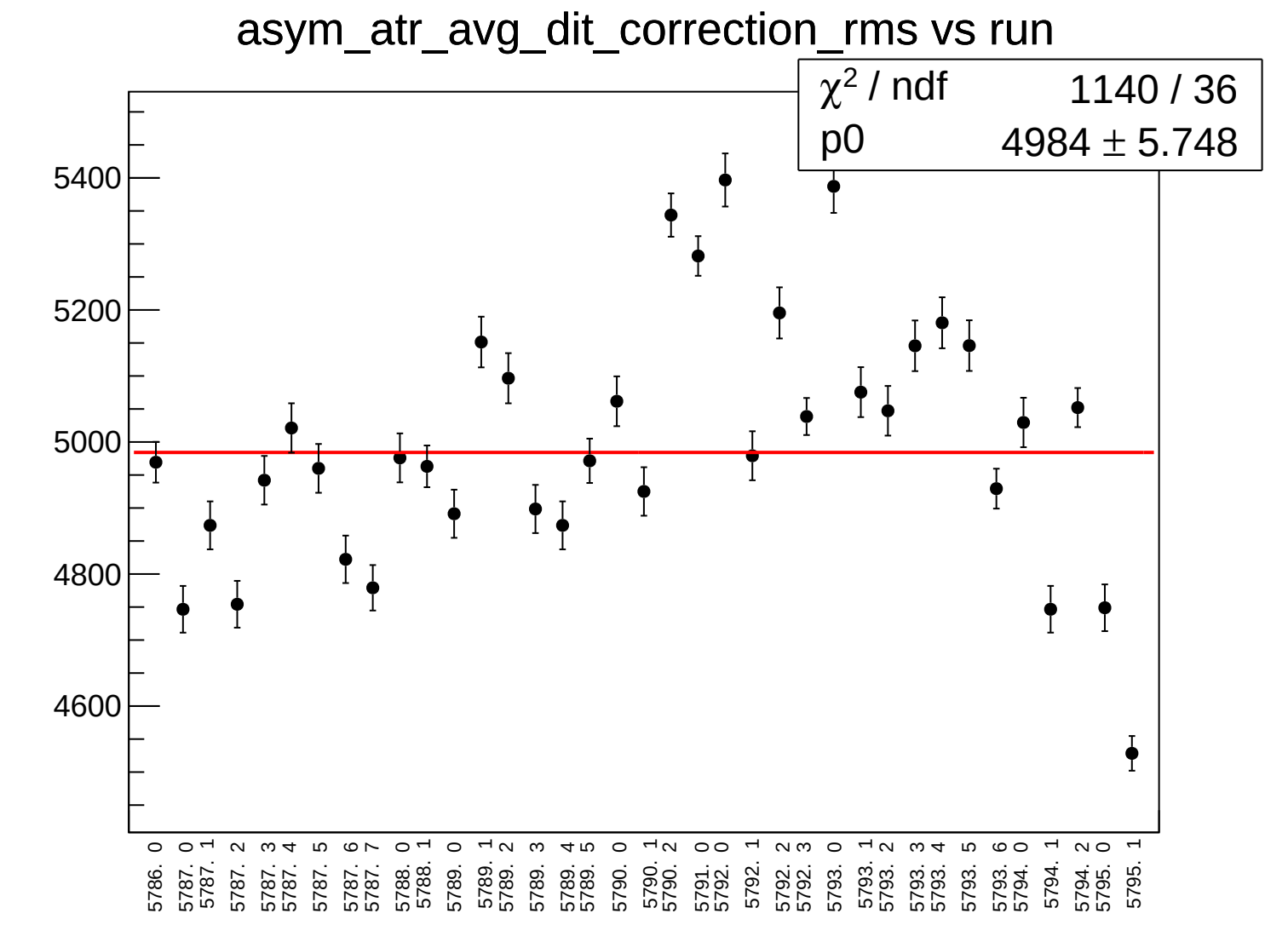

asym_atr_avg_eigen_cor_correction_rms vs run
χ² / ndf 1208 / 36
p0 5125 ± 5.911
5600
5400
5200
5000
4800
4600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

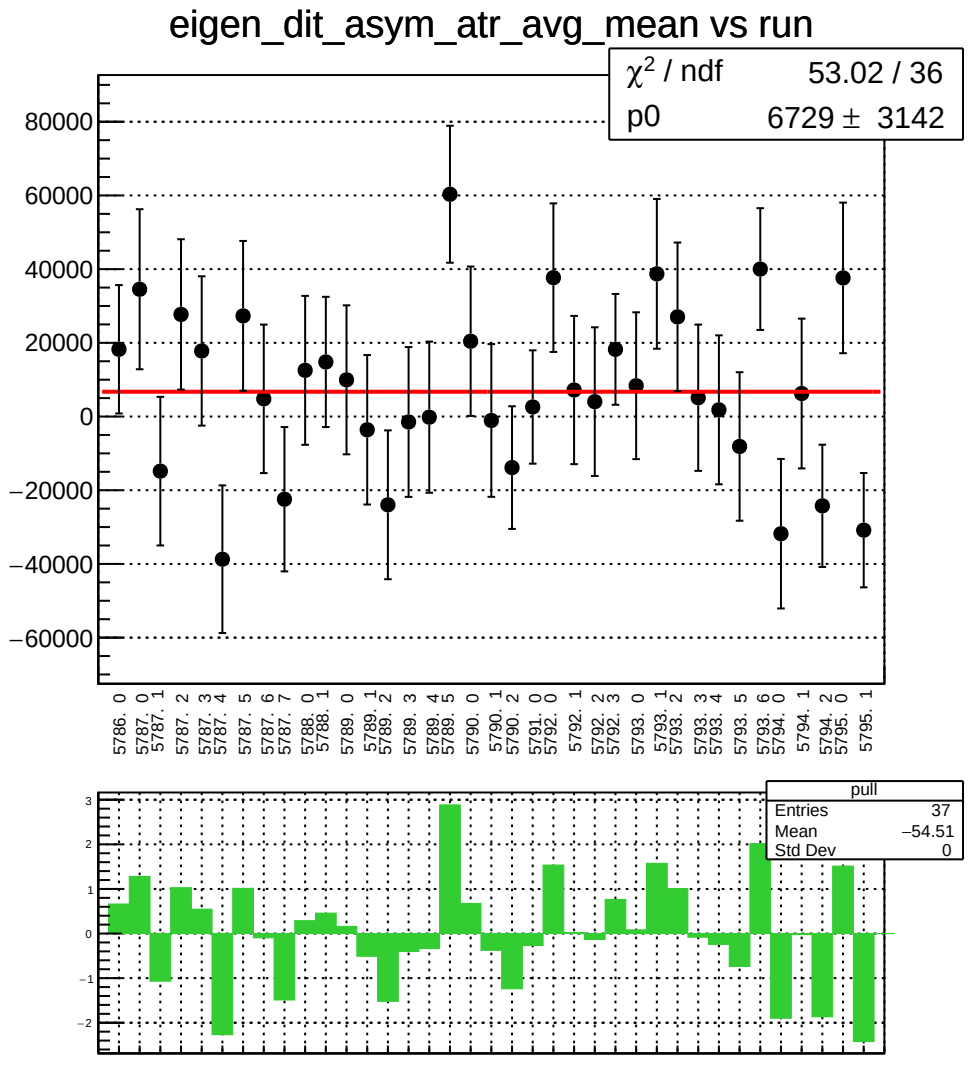

dit_asym_atr_avg_mean vs run
χ² / ndf 53.02 / 36
p0 6729 ± 3142
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −54.51
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01432
Std Dev 1.197
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

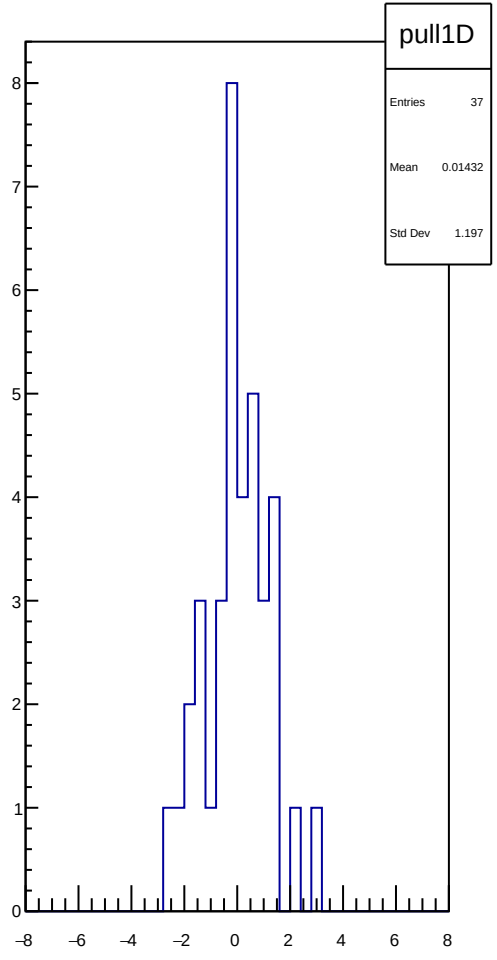

dit_asym_atr_avg_rms vs run
χ² / ndf 204.3 / 36
p0 1927 ± 2.221
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

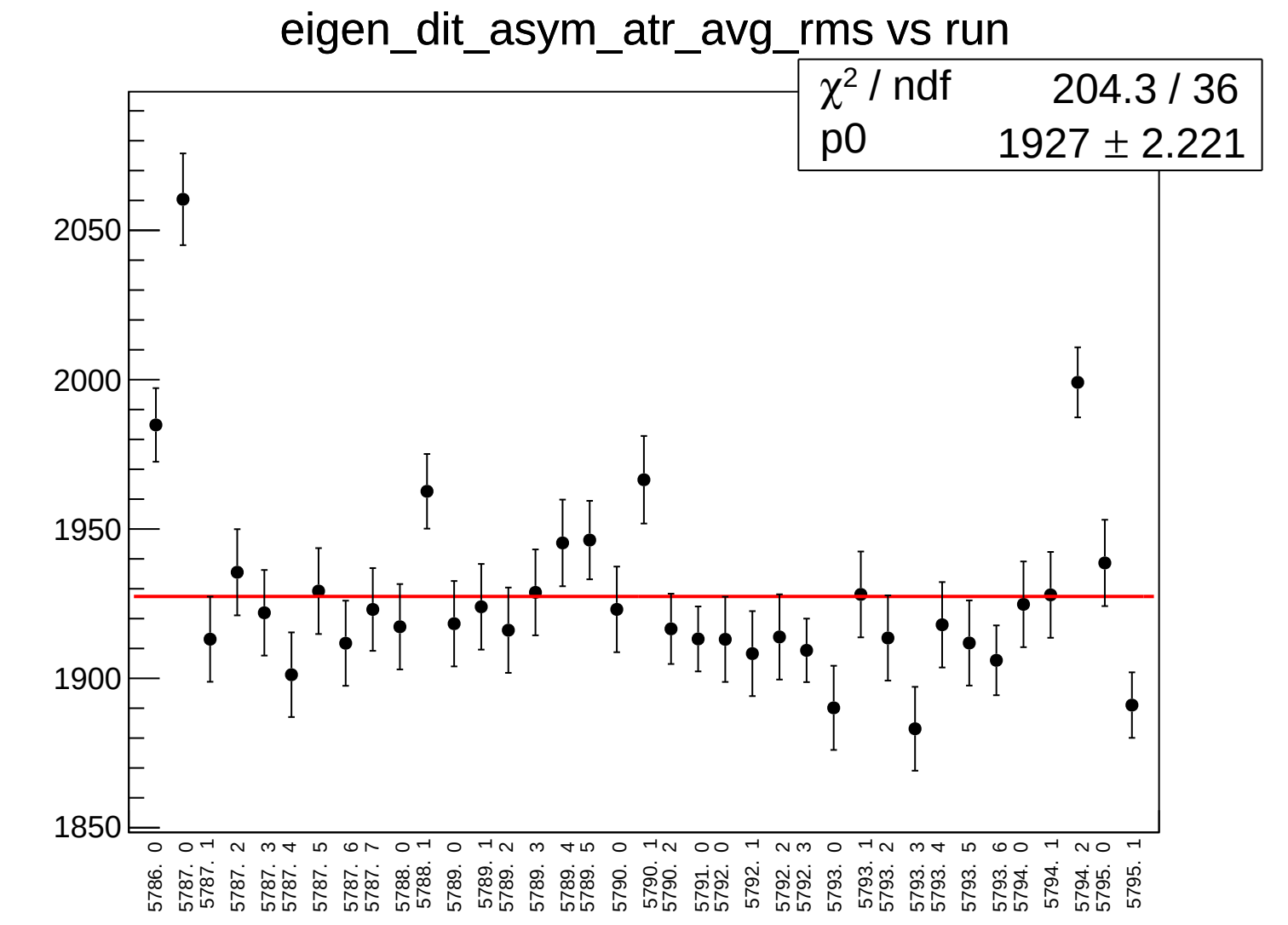

asym_atr_avg_dit_correction_mean vs run
×10^3
χ² / ndf 36.07 / 36
p0 −1.345e+04 ± 8129
pull
Entries 37
Mean 39.42
Std Dev 0

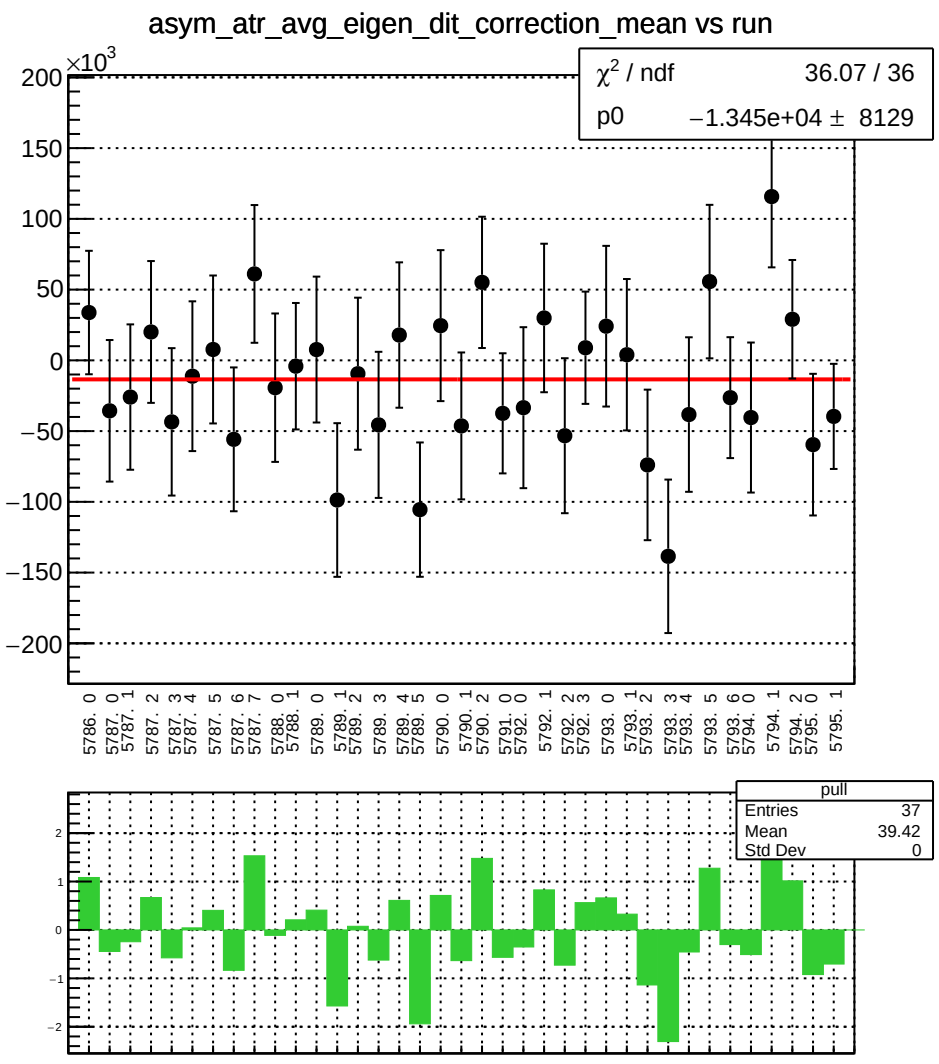

pull1D
Entries 37
Mean −0.01299
Std Dev 0.9872

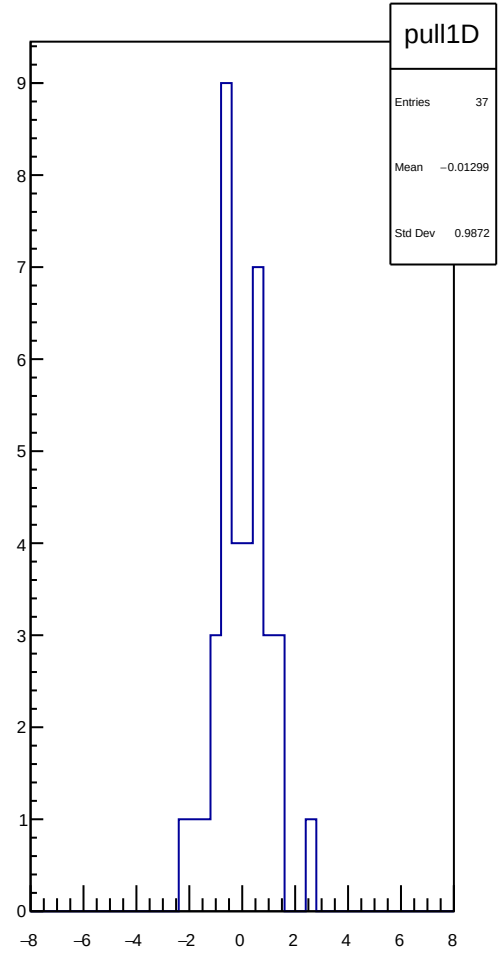

asym_atr_avg_dit_correction_rms vs run
χ² / ndf 1140 / 36
p0 4984 ± 5.748
5400
5200
5000
4800
4600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

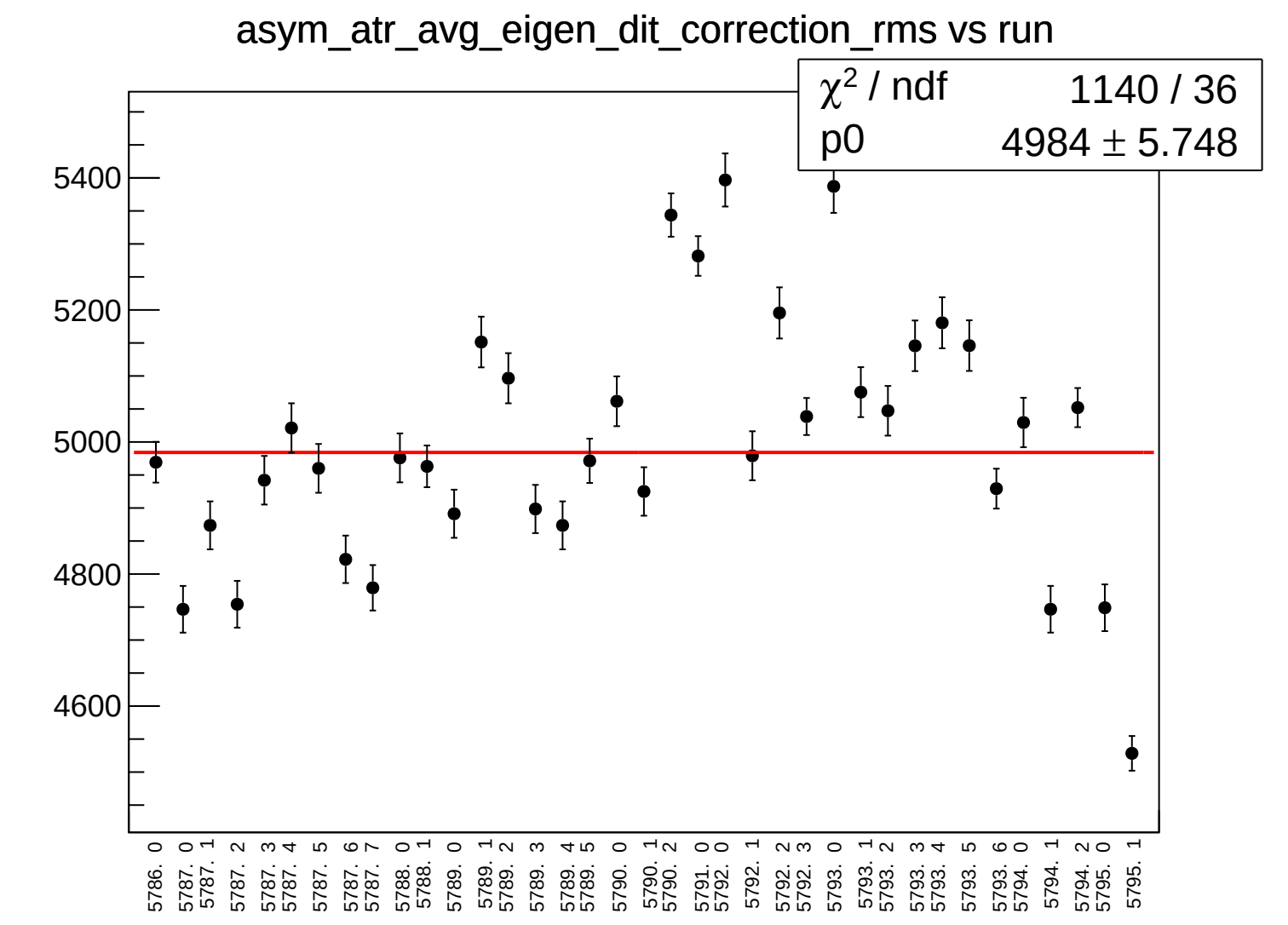

eigen_dit_asym_atr_avg_mean vs run
χ² / ndf 53.02 / 36
p0 6729 ± 3142
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −54.51
Std Dev 0
3
2
1
0
−1
−2

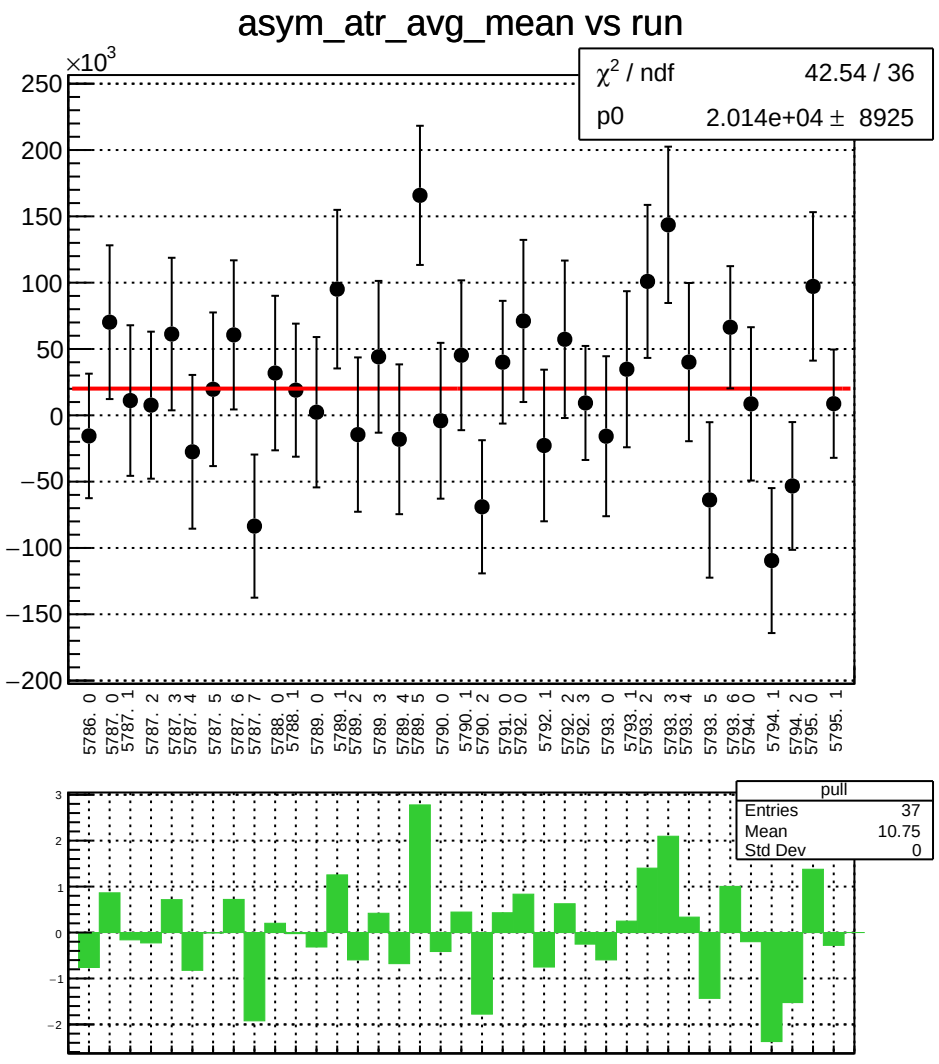

pull1D
Entries 37
Mean 0.01432
Std Dev 1.197
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

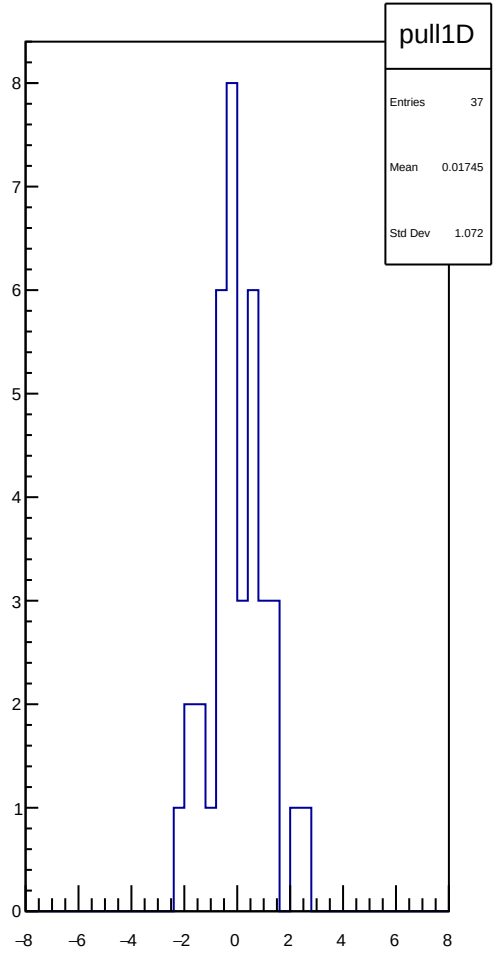

eigen_dit_asym_atr_avg_rms vs run
χ² / ndf 204.3 / 36
p0 1927 ± 2.221
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

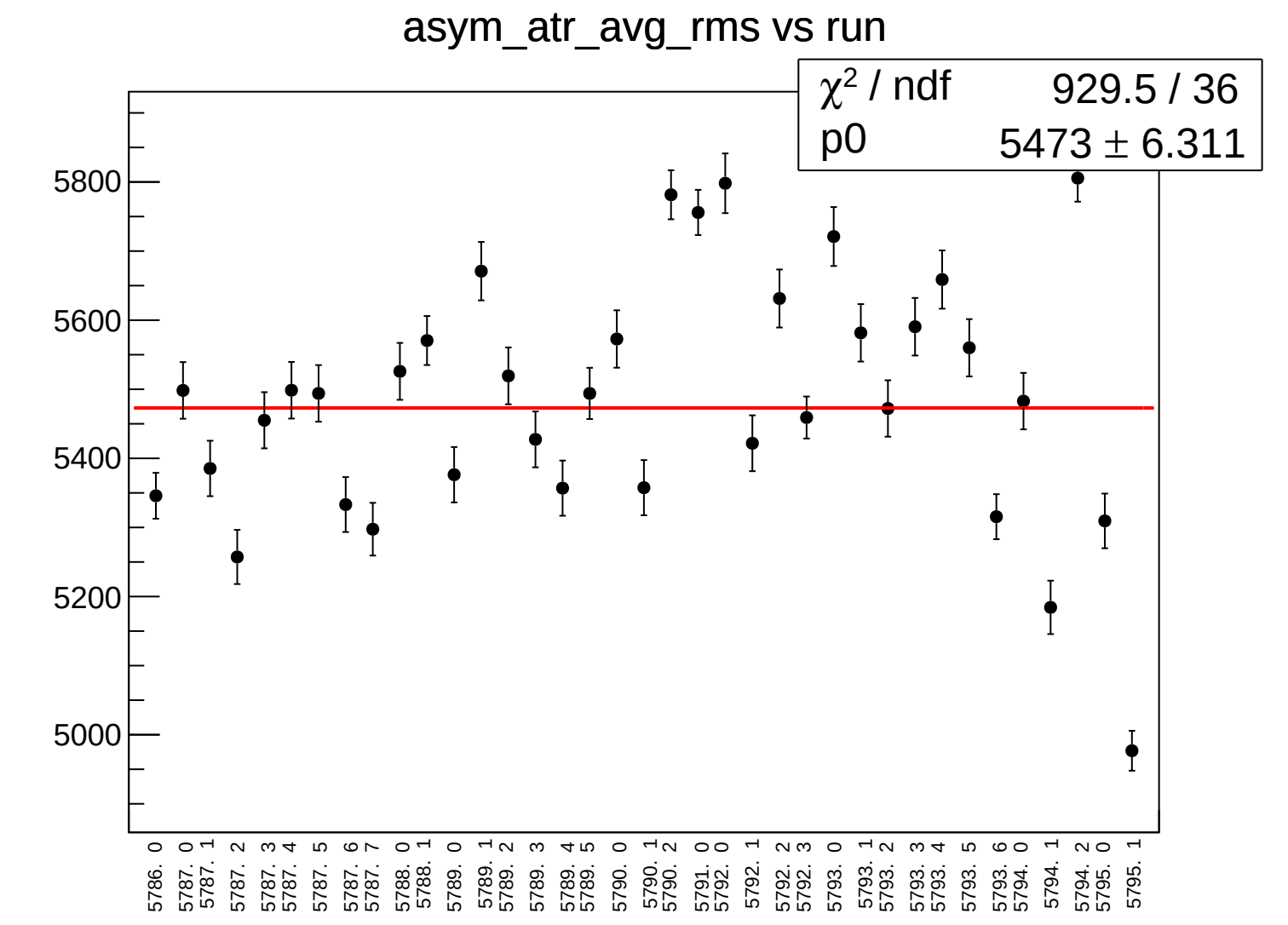

asym_atr_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.07 / 36
p0 −1.345e+04 ± 8129
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.42
Std Dev 0
2
1
0
−1
−2

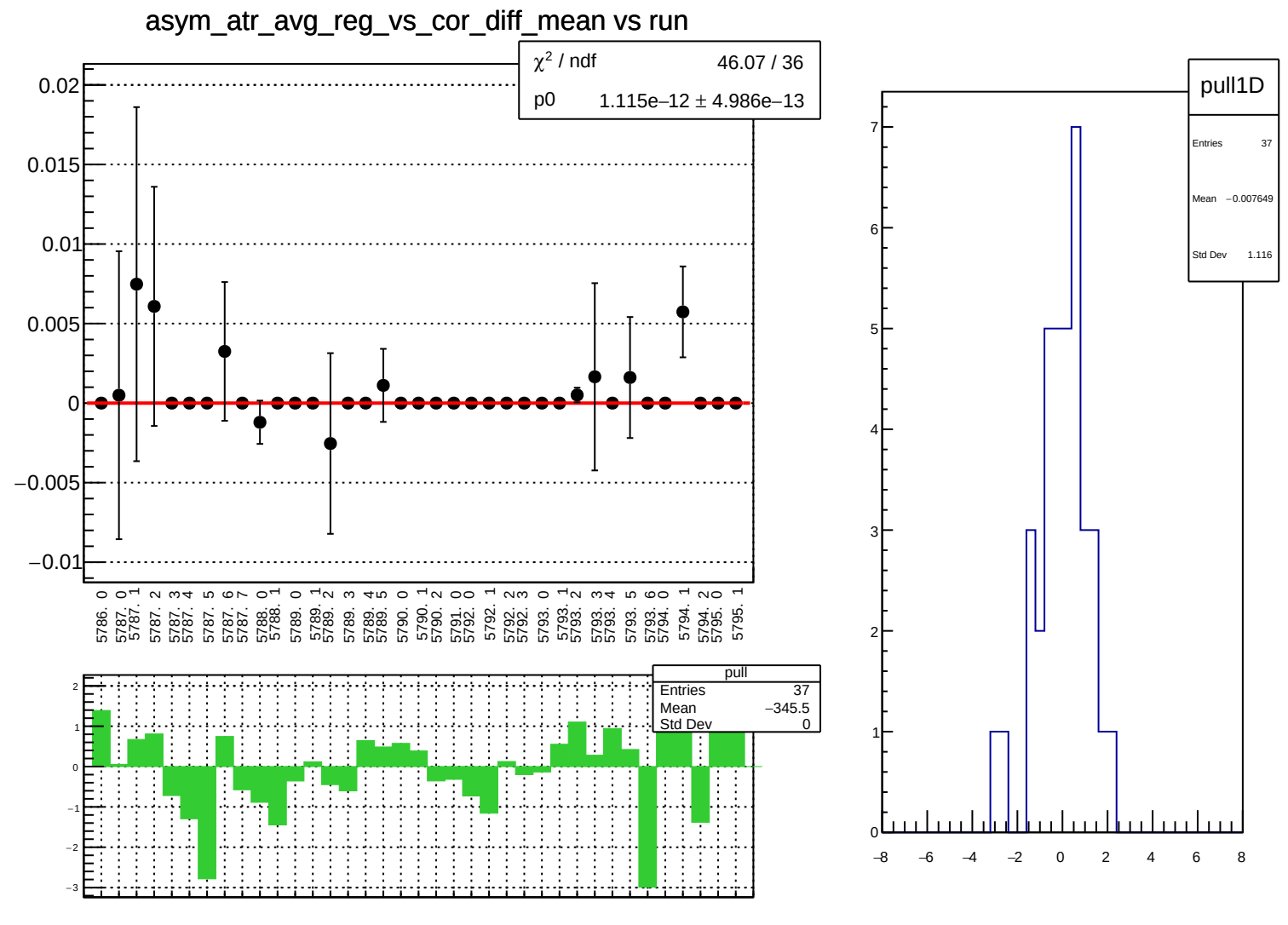

pull1D
Entries 37
Mean −0.01299
Std Dev 0.9872
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

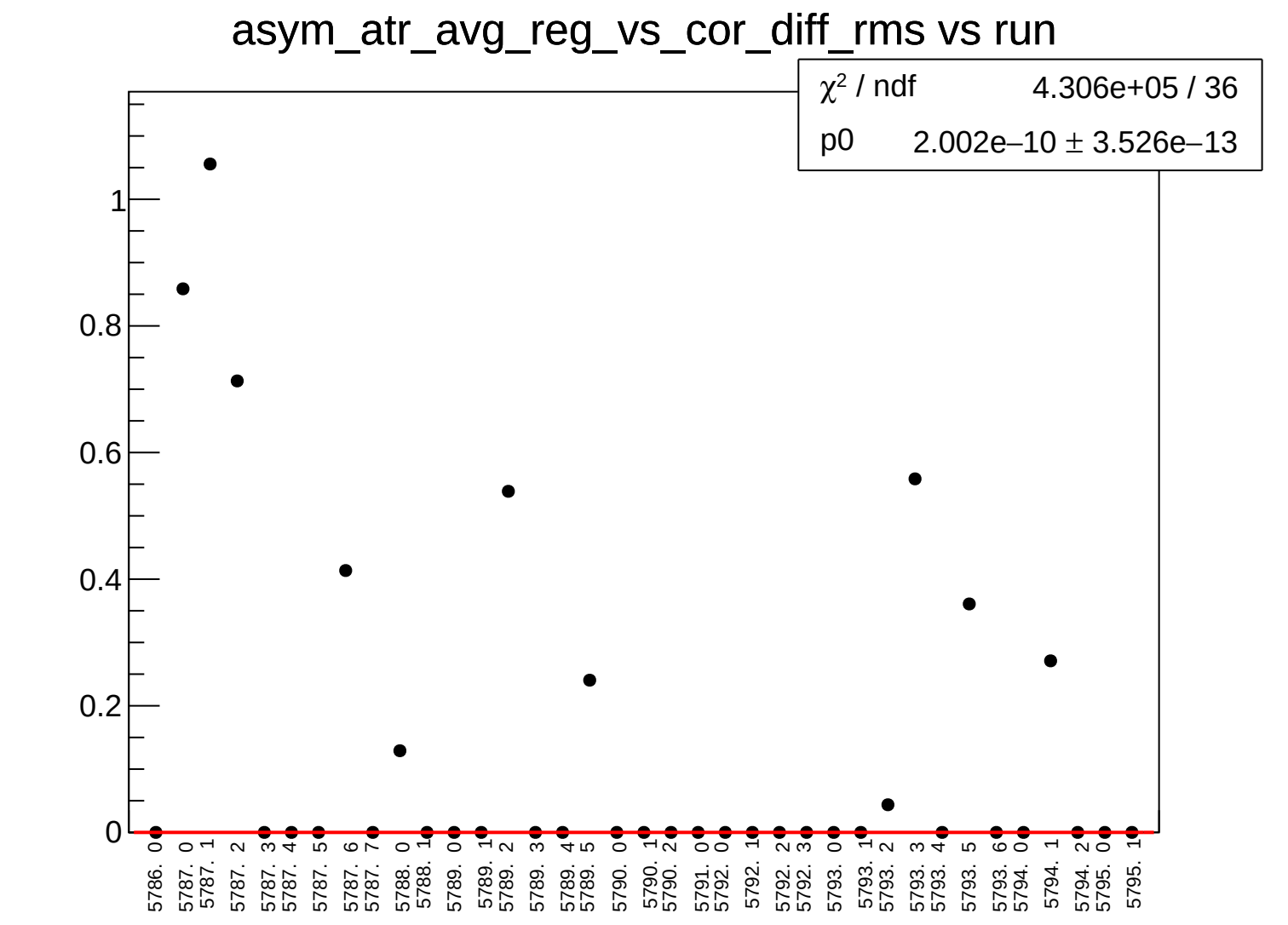

asym_atr_avg_eigen_dit_correction_rms vs run
χ² / ndf 1140 / 36
p0 4984 ± 5.748
5400
5200
5000
4800
4600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

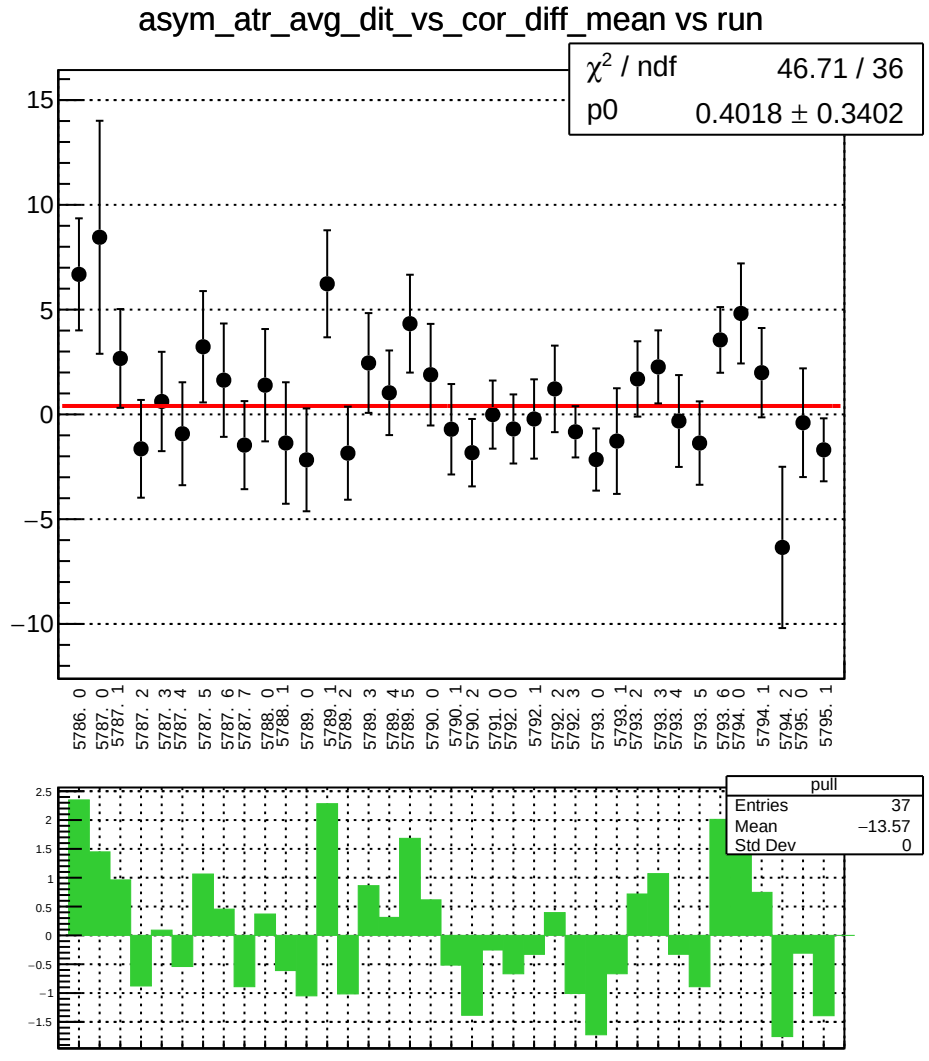

asym_atr_avg_mean vs run
×10^3
χ² / ndf 42.54 / 36
p0 2.014e+04 ± 8925
250
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.75
Std Dev 0
3
2
1
0
−1
−2

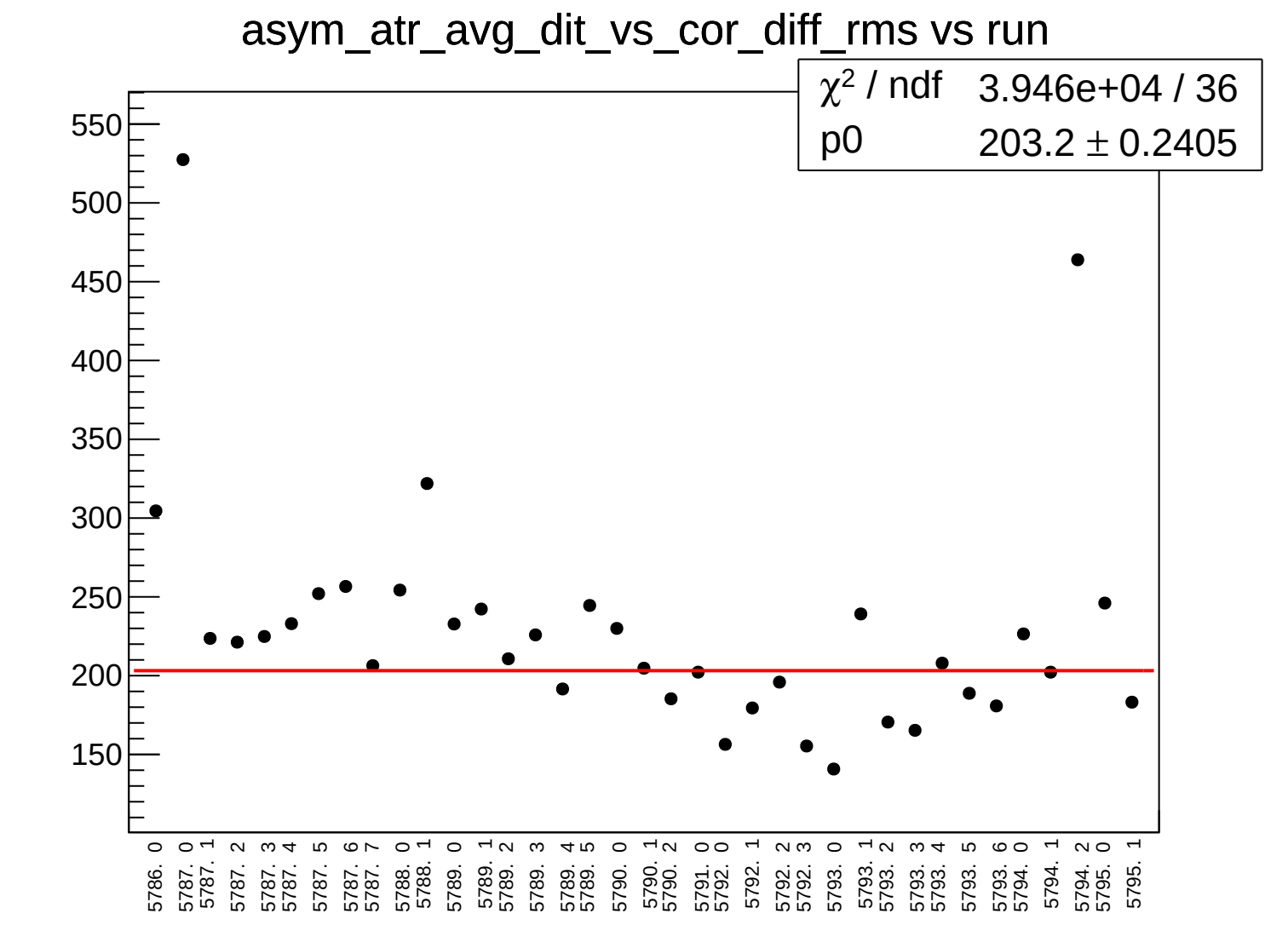

pull1D
Entries 37
Mean 0.01745
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

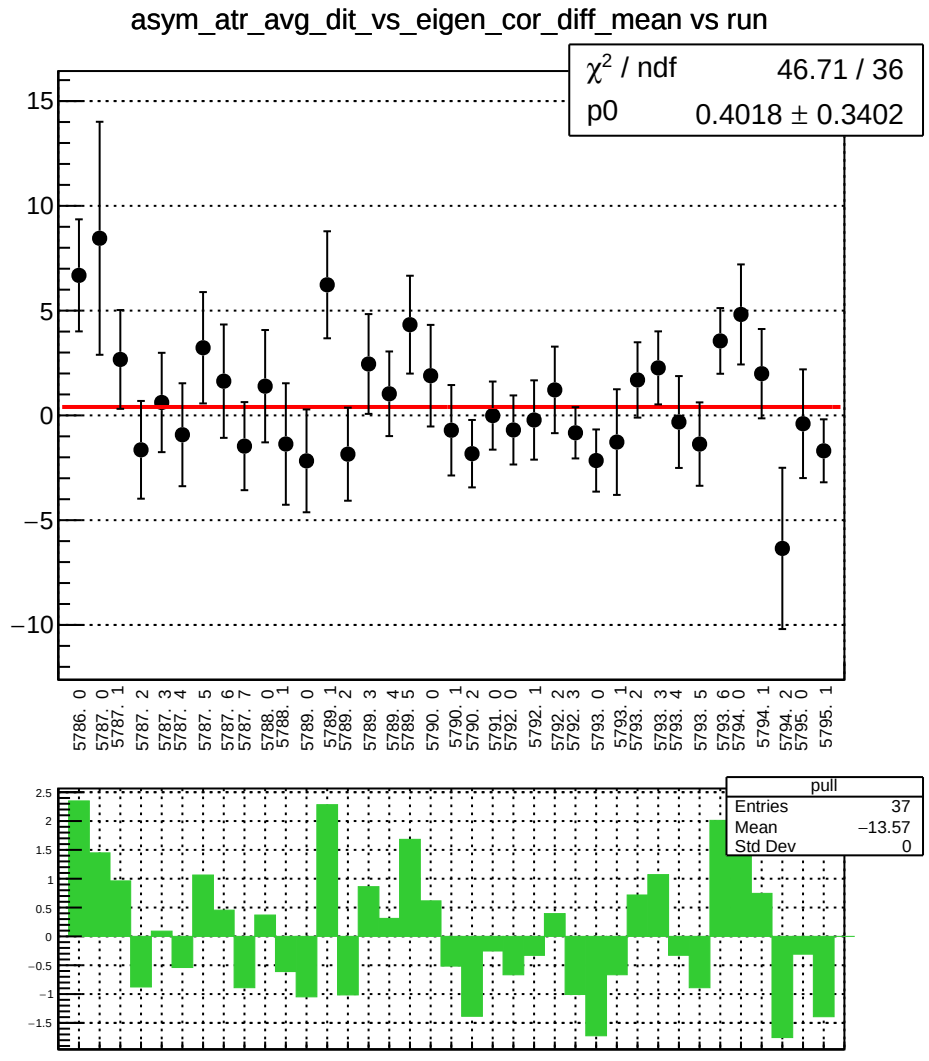

asym_atr_avg_rms vs run
χ^2 / ndf 929.5 / 36
p0 5473 ± 6.311
5800
5600
5400
5200
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

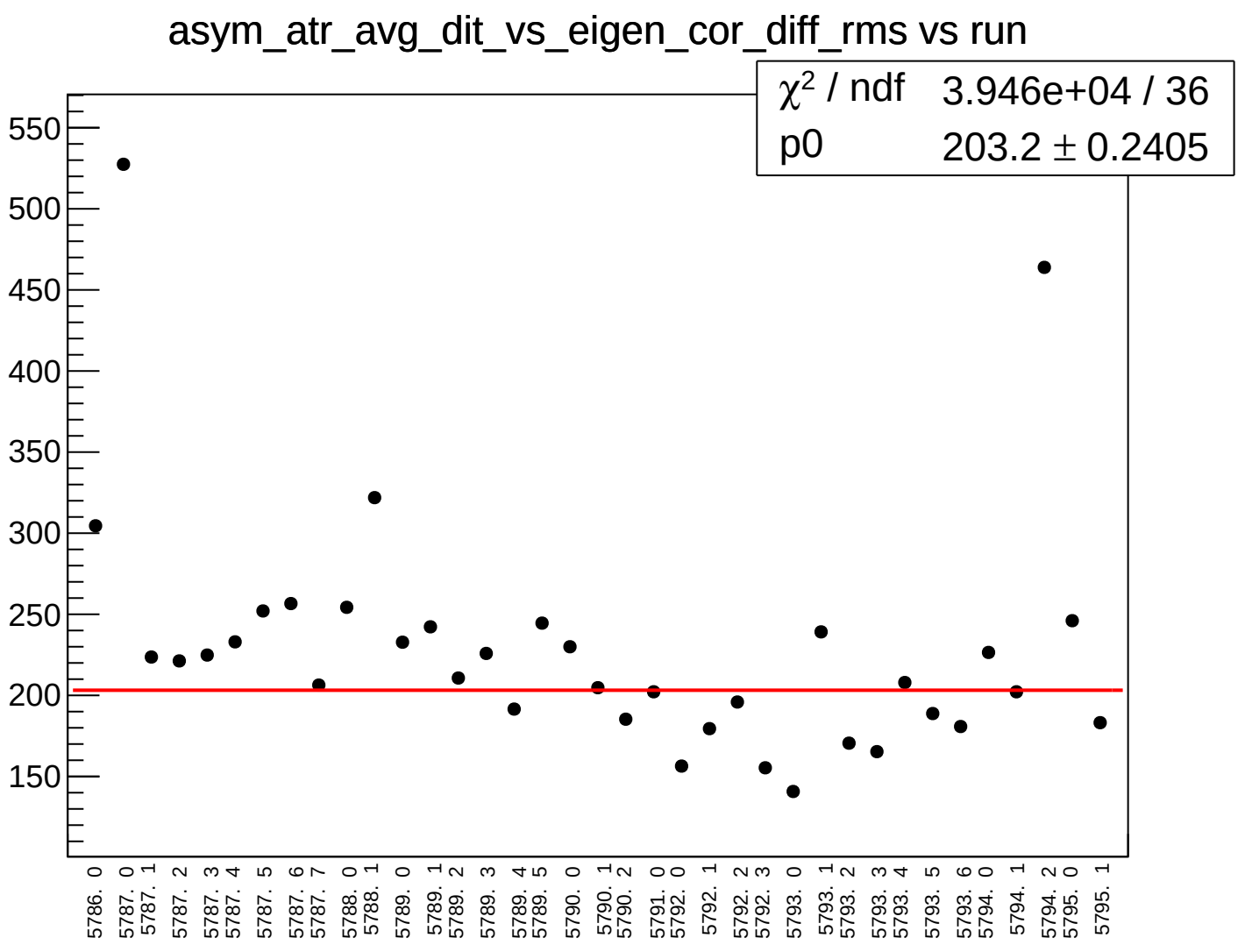

asym_atr_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.07 / 36
p0 1.115e−12 ± 4.986e−13
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −345.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.007649
Std Dev 1.116
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

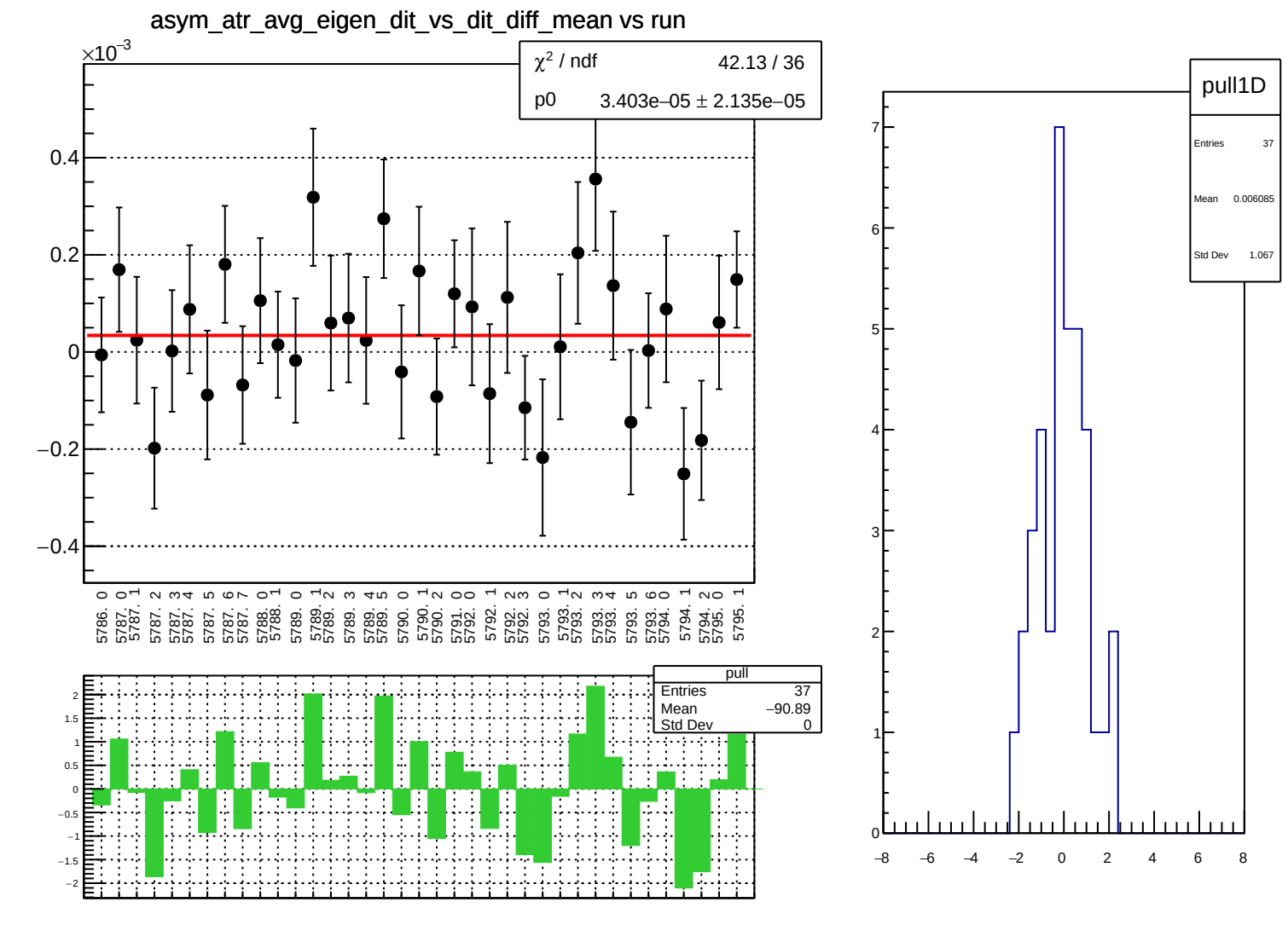

asym_atr_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.306e+05 / 36
p0 2.002e−10 ± 3.526e−13
0
0.2
0.4
0.6
0.8
1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

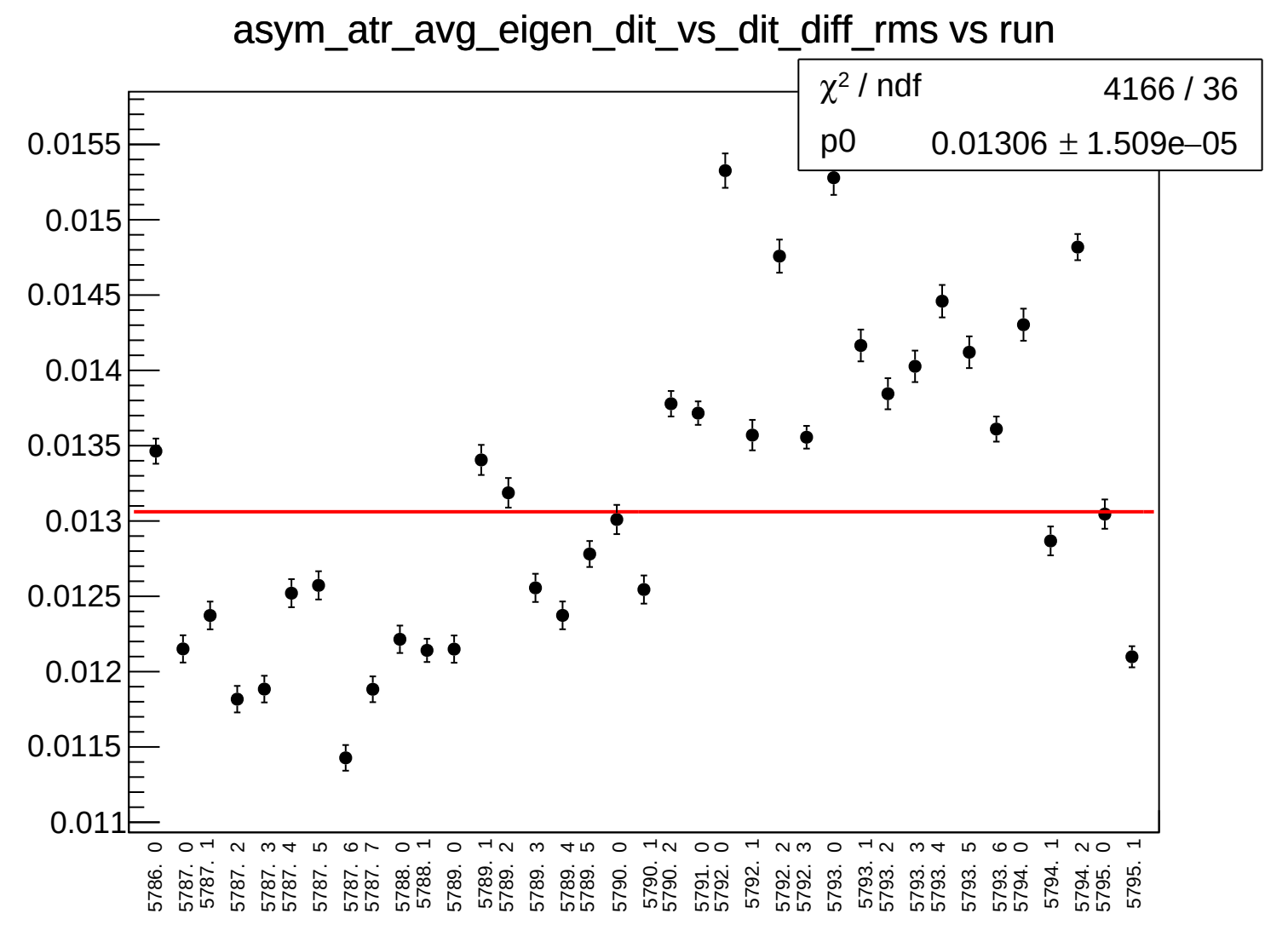

asym_atr_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.71 / 36
p0 0.4018 ± 0.3402
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −13.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08366
Std Dev 1.12
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

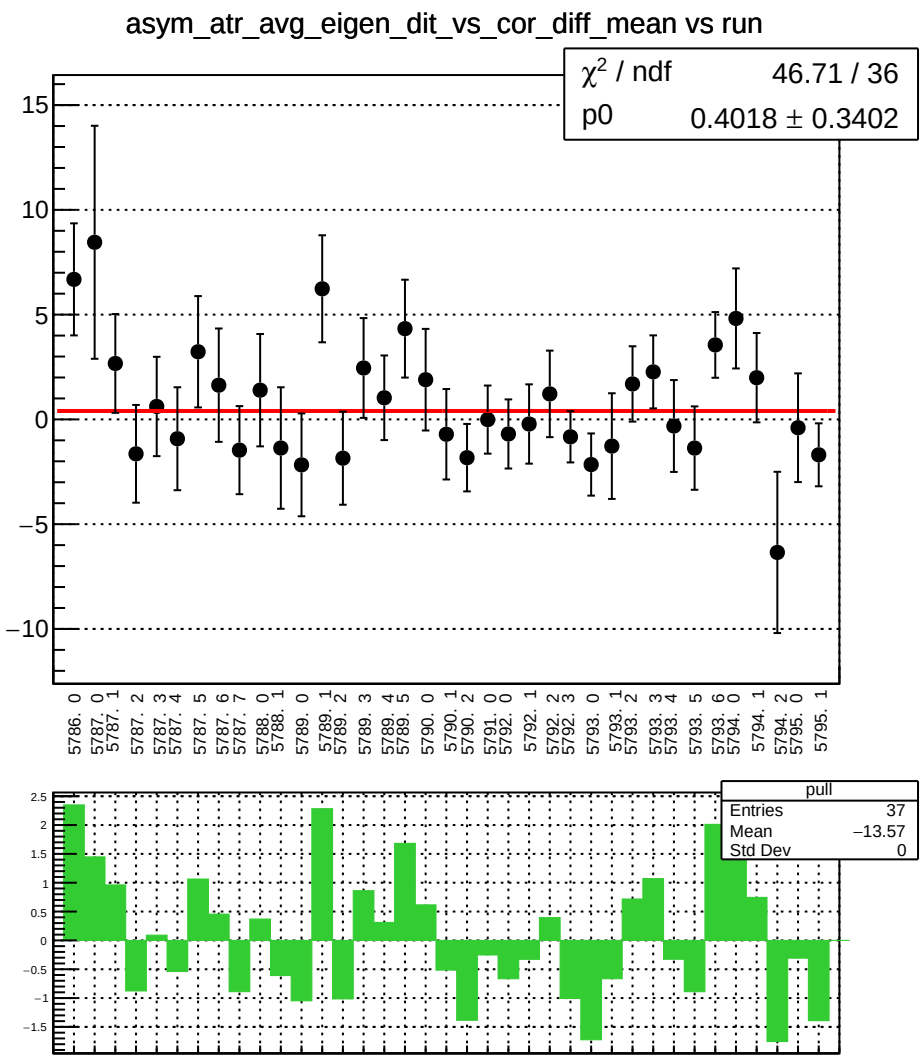

asym_atr_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.946e+04 / 36
p0 203.2 ± 0.2405
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

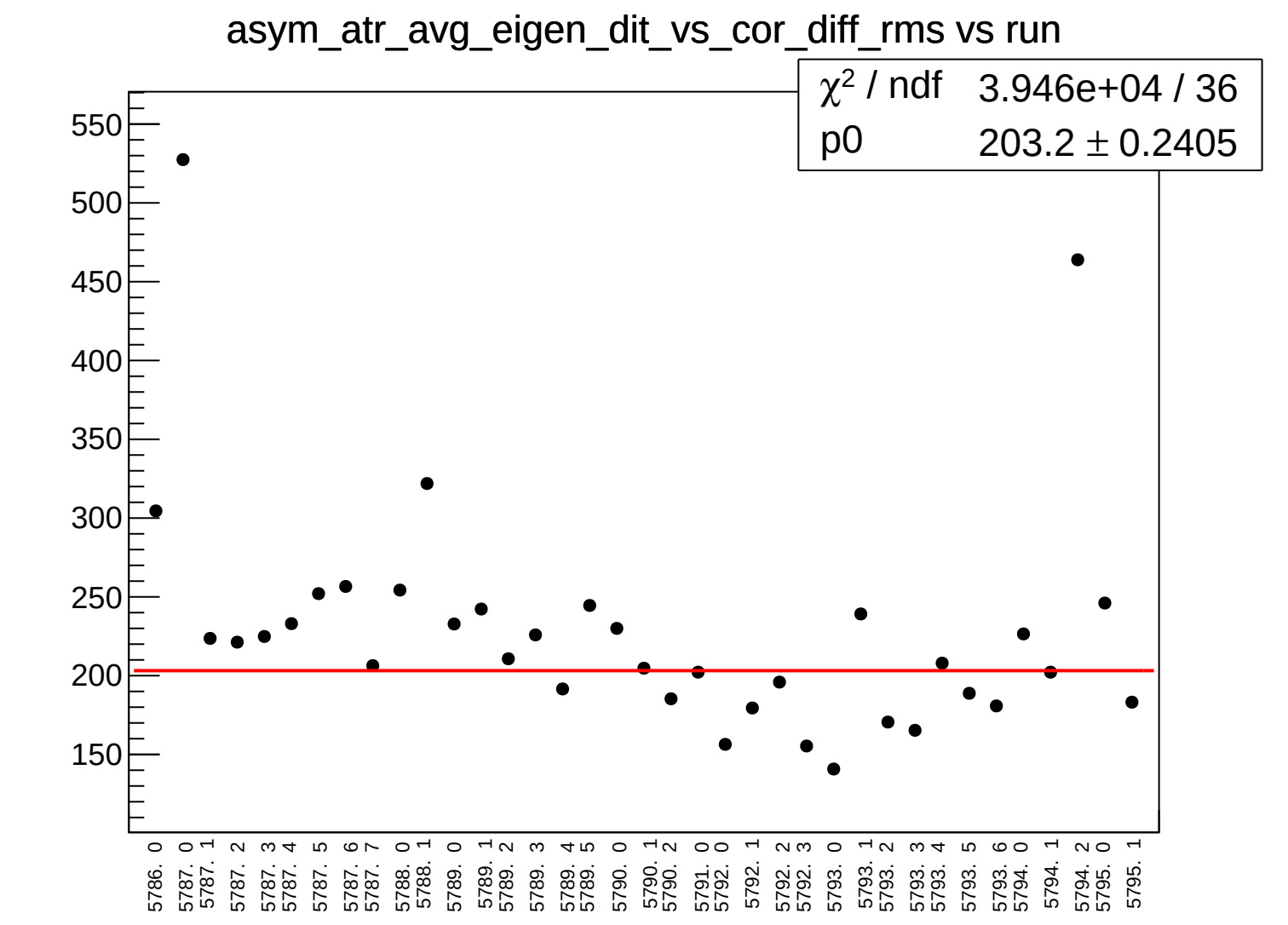

asym_atr_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.71 / 36
p0 0.4018 ± 0.3402
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −13.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08366
Std Dev 1.12
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

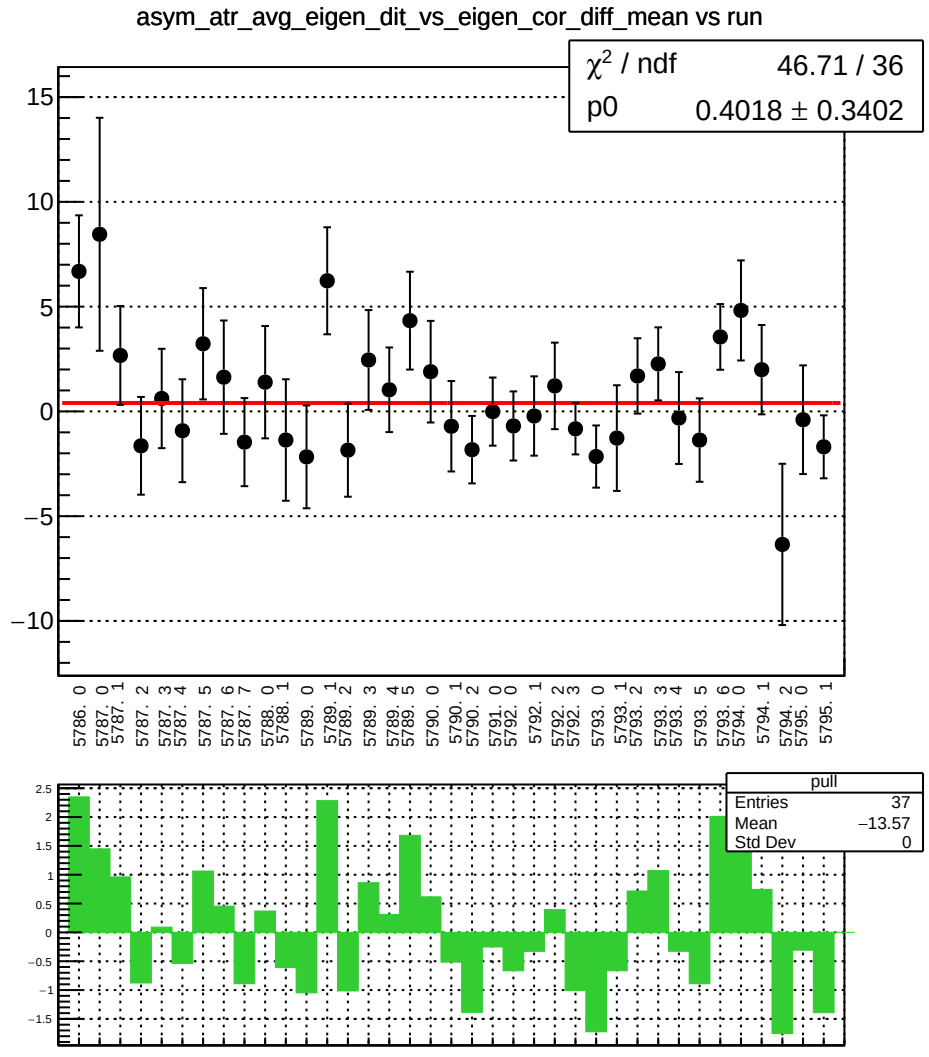

asym_atr_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.946e+04 / 36
p0 203.2 ± 0.2405
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

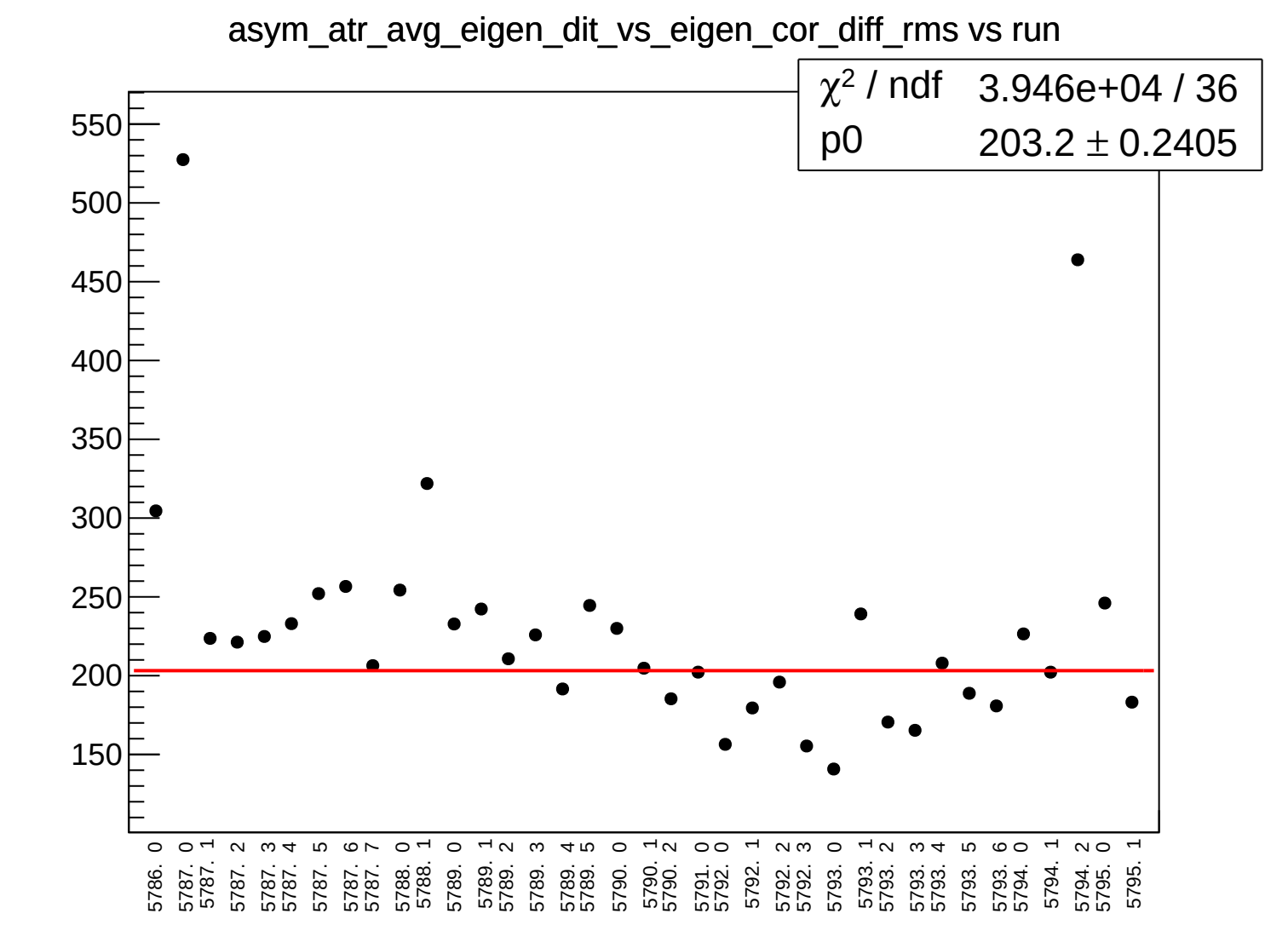

asym_atr_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.13 / 36
p0 3.403e−05 ± 2.135e−05
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −90.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.006085
Std Dev 1.067
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

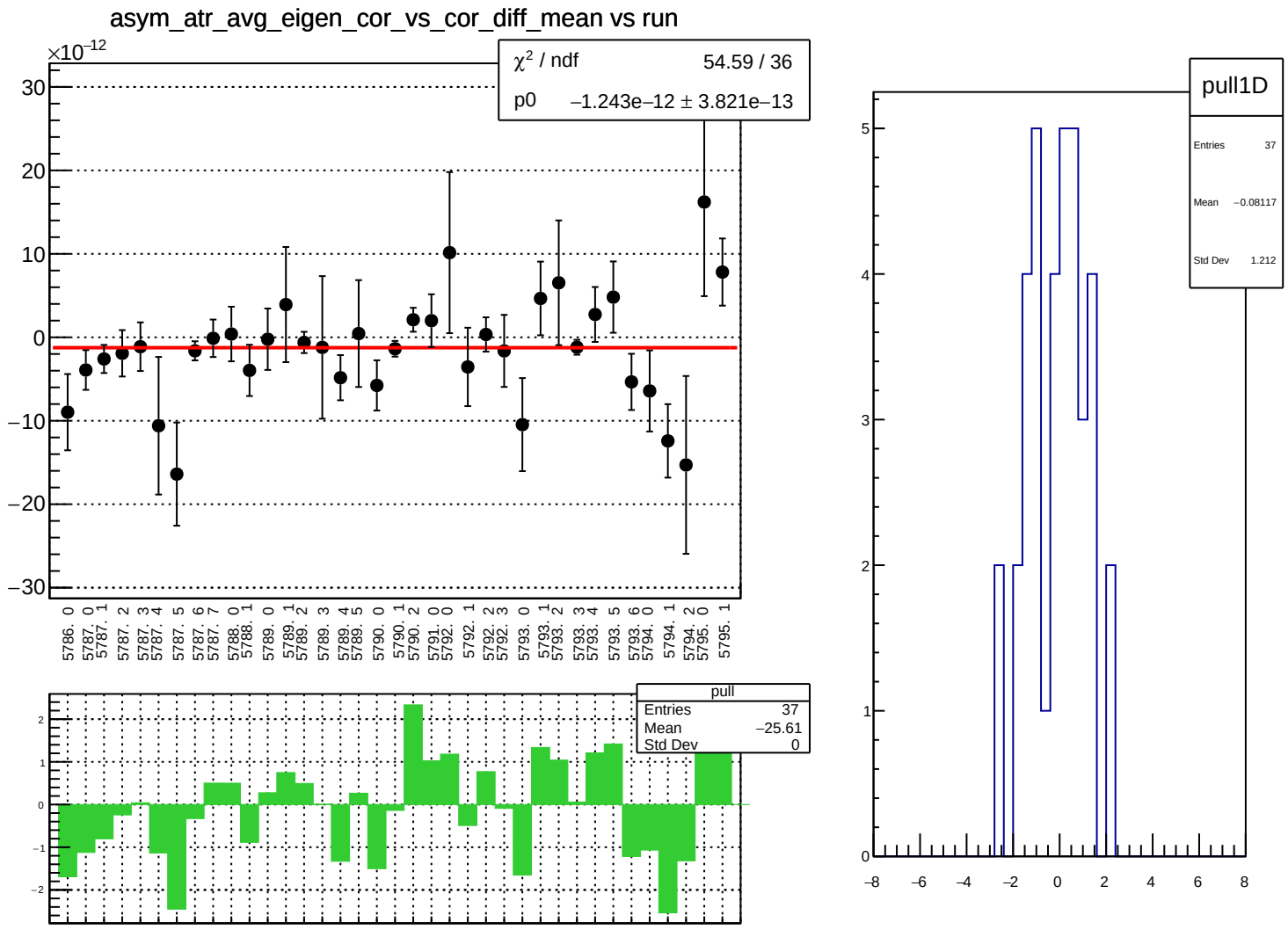

asym_atr_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4166 / 36
p0 0.01306 ± 1.509e–05
0.0155
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

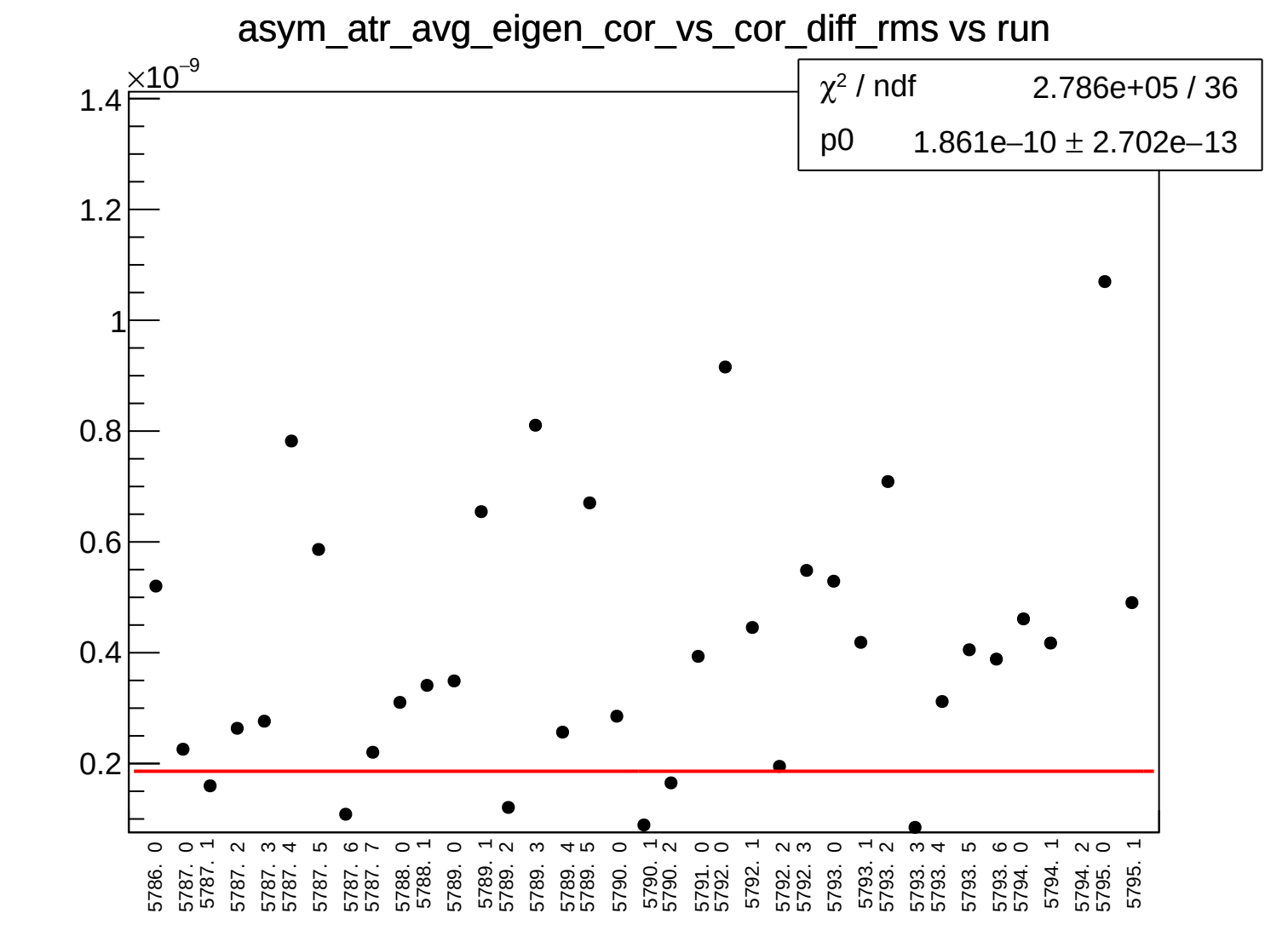

asym_atr_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.71 / 36
p0 0.4018 ± 0.3402
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −13.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08366
Std Dev 1.12
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

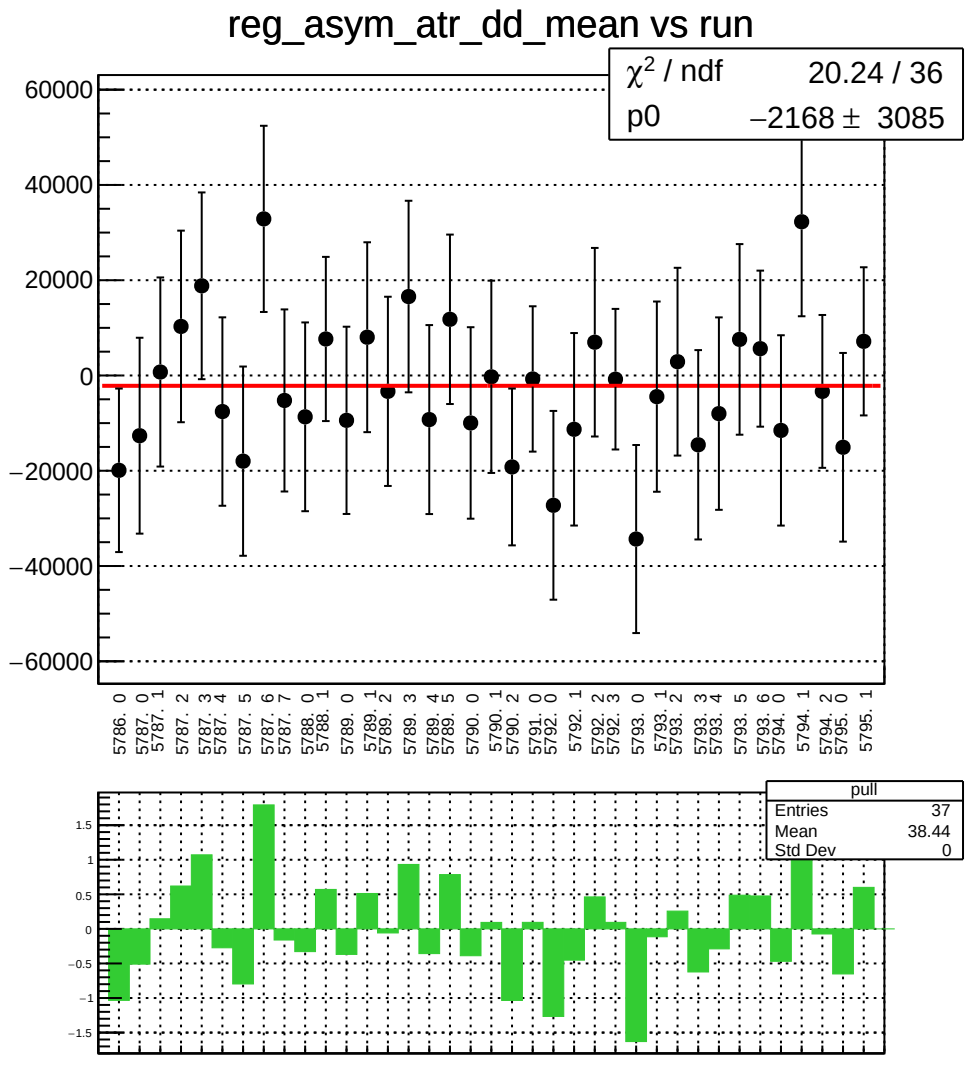

asym_atr_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.946e+04 / 36
p0 203.2 ± 0.2405
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

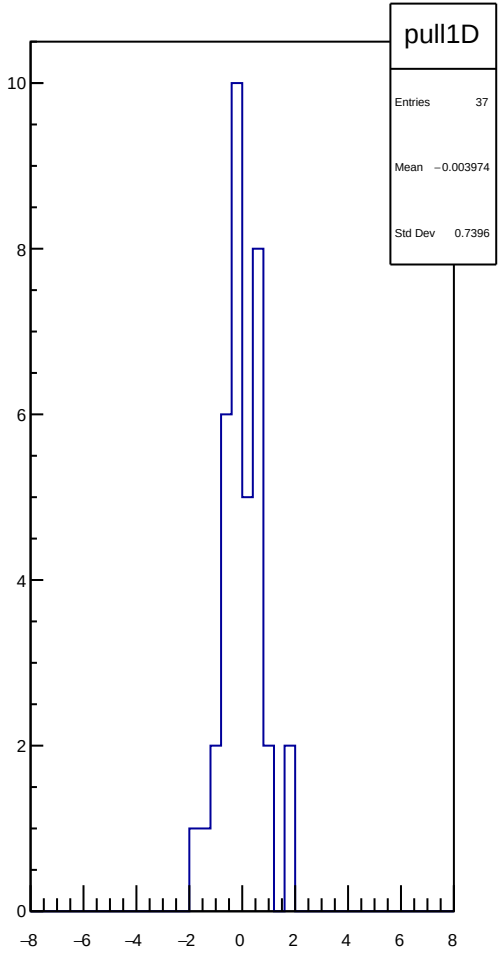

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.71 / 36
p0 0.4018 ± 0.3402
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −13.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08366
Std Dev 1.12
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

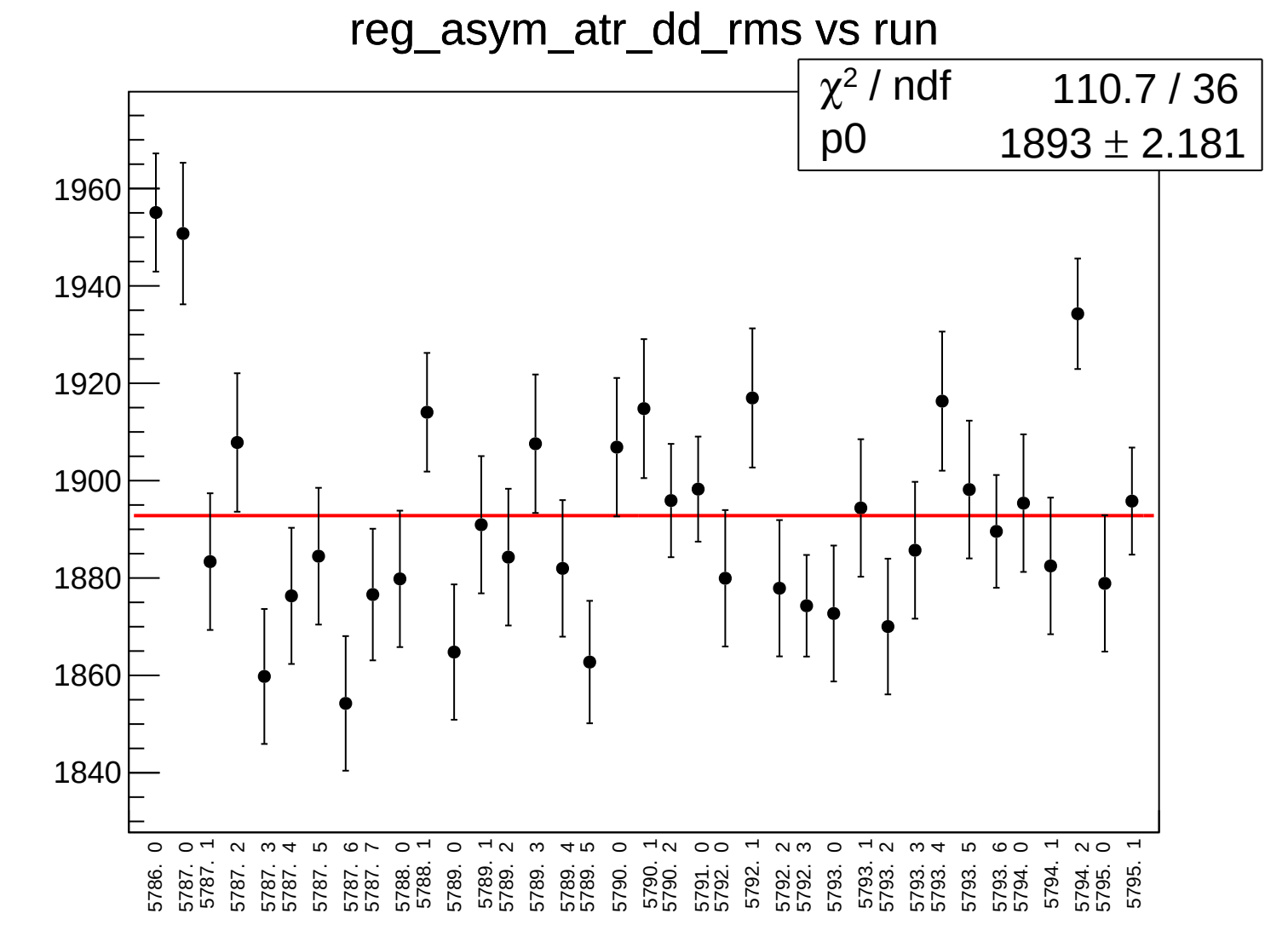

asym_atr_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.946e+04 / 36
p0 203.2 ± 0.2405
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

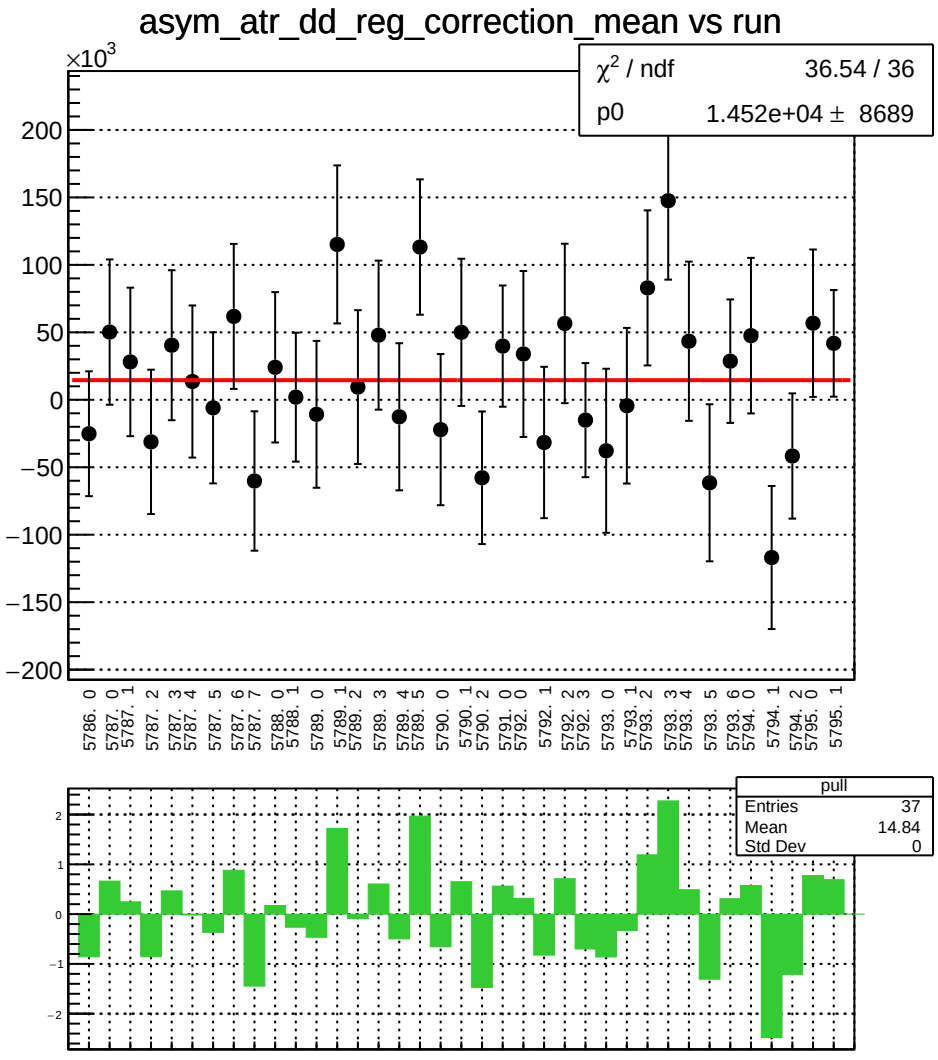

asym_atr_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 54.59 / 36
p0 −1.243e−12 ± 3.821e−13
30
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −25.61
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.08117
Std Dev 1.212
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

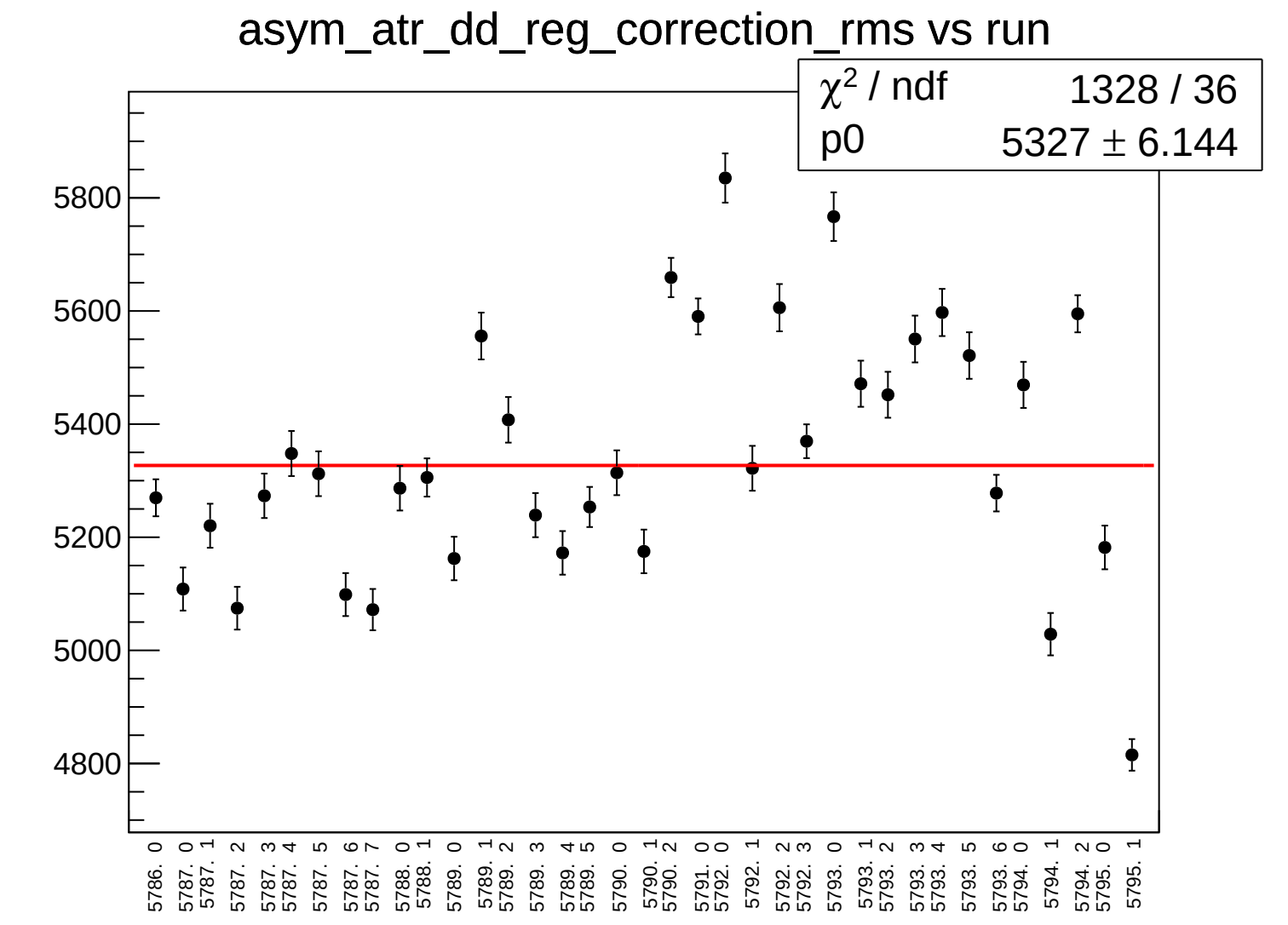

asym_atr_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.786e+05 / 36
p0 1.861e−10 ± 2.702e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

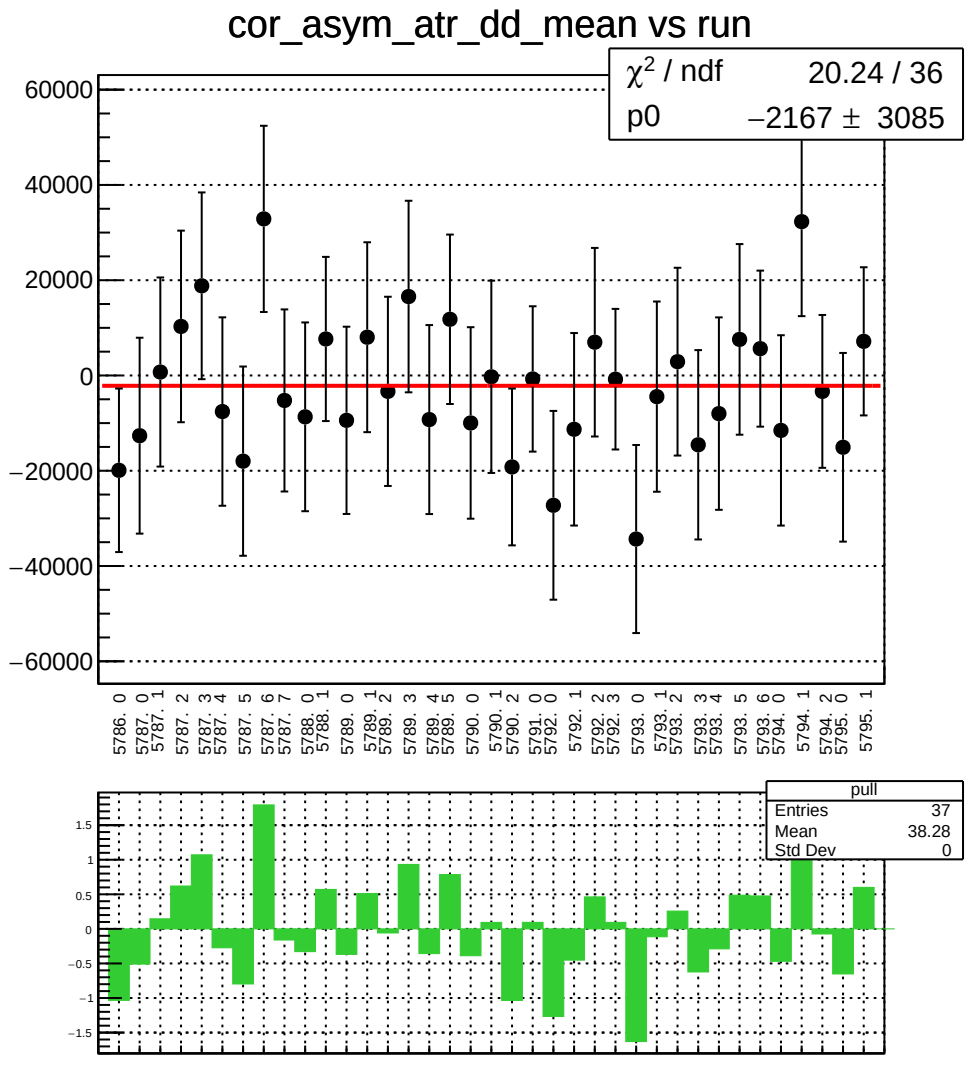

reg_asym_atr_dd_mean vs run
χ² / ndf 20.24 / 36
p0 −2168 ± 3085
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.44
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

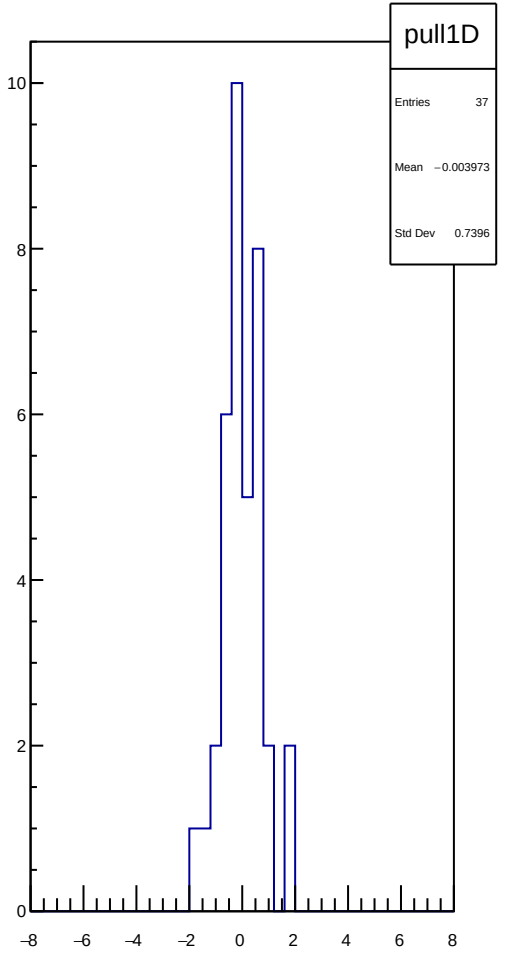

pull1D
Entries 37
Mean −0.003974
Std Dev 0.7396
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

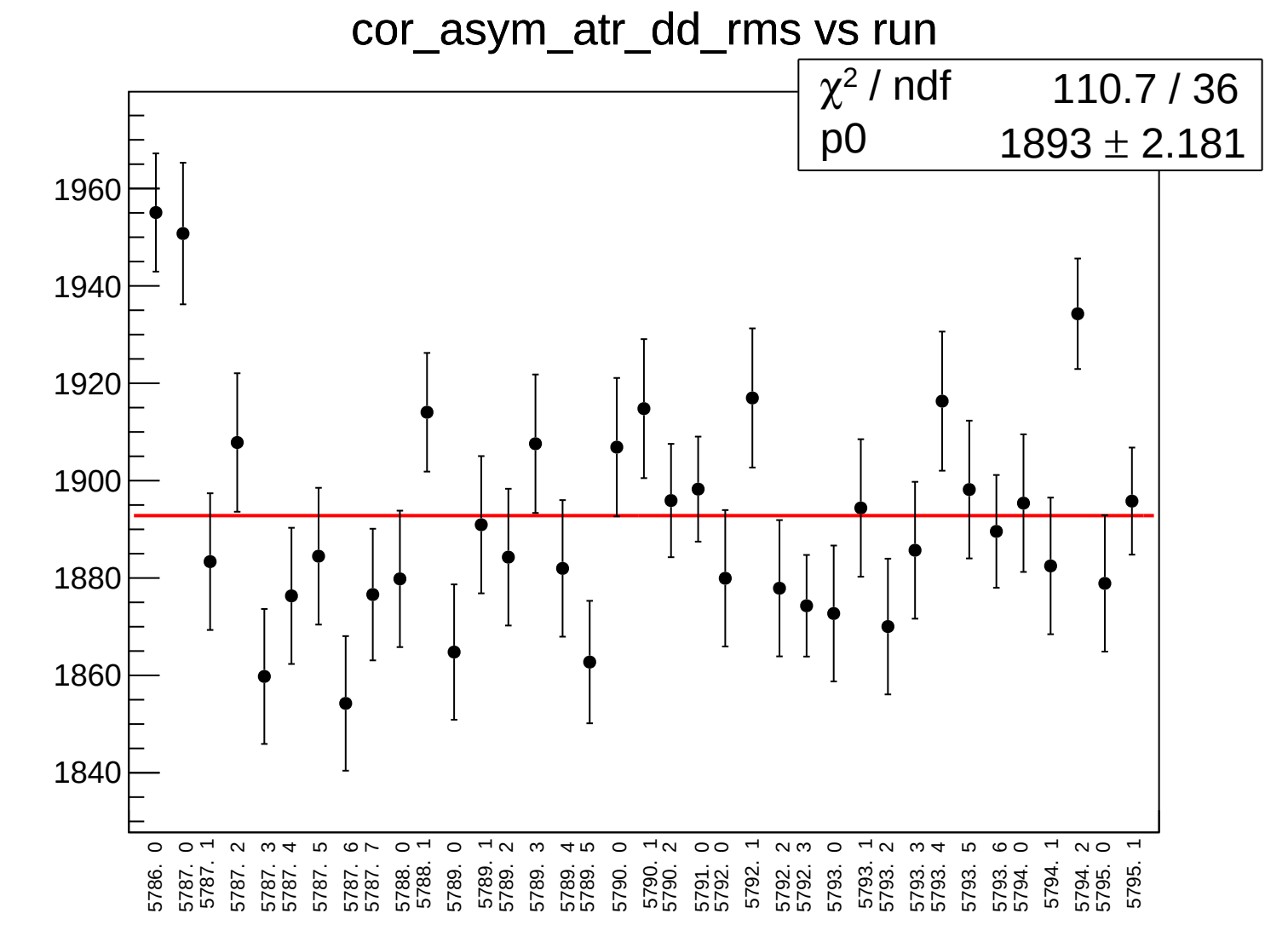

reg_asym_atr_dd_rms vs run
χ² / ndf 110.7 / 36
p0 1893 ± 2.181
1960
1940
1920
1900
1880
1860
1840
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr_dd_reg_correction_mean vs run
×10^3
χ² / ndf 36.54 / 36
p0 1.452e+04 ± 8689
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.84
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.0155
Std Dev 0.9937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_reg_correction_rms vs run
χ² / ndf 1328 / 36
p0 5327 ± 6.144
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atr_dd_mean vs run
χ² / ndf 20.24 / 36
p0 −2167 ± 3085
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.003973
Std Dev 0.7396
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atr_dd_rms vs run
χ² / ndf 110.7 / 36
p0 1893 ± 2.181
1960
1940
1920
1900
1880
1860
1840
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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5794. 2
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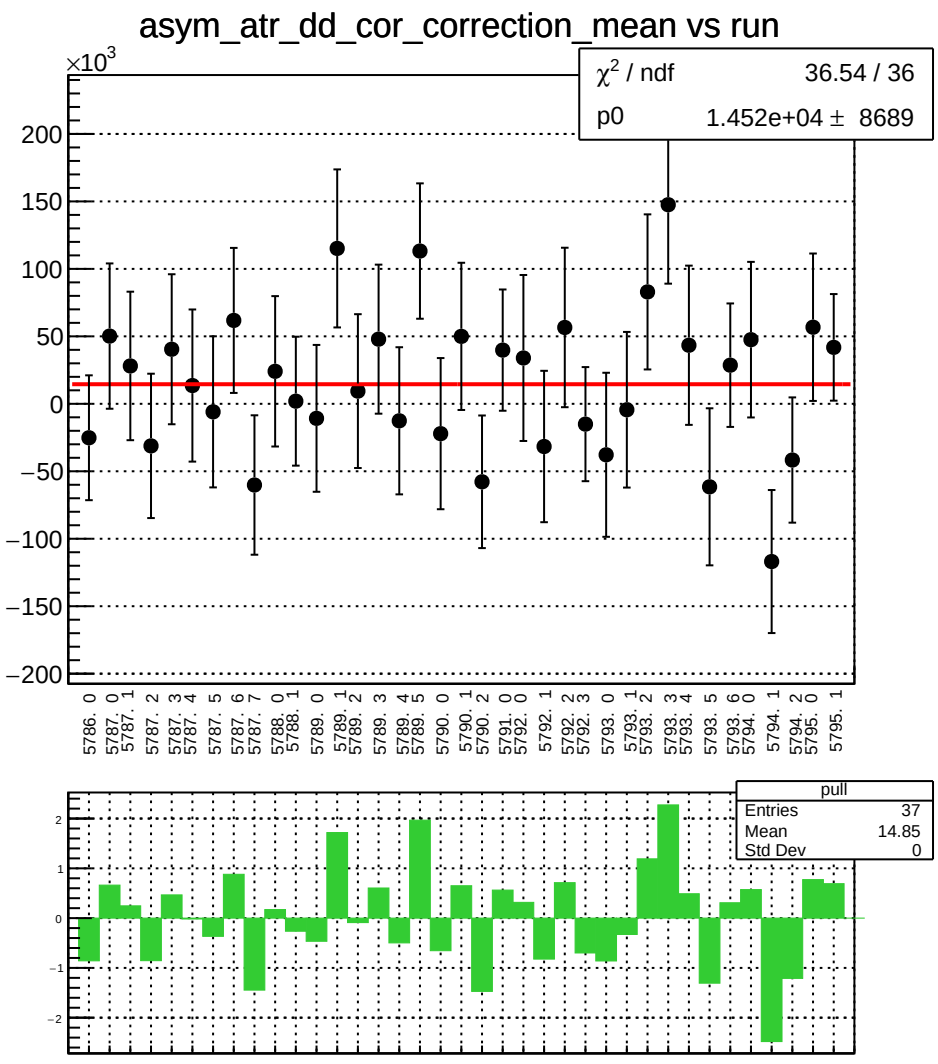
5795. 1


asym_atr_dd_cor_correction_mean vs run
×10^3
χ² / ndf 36.54 / 36
p0 1.452e+04 ± 8689
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5793. 0
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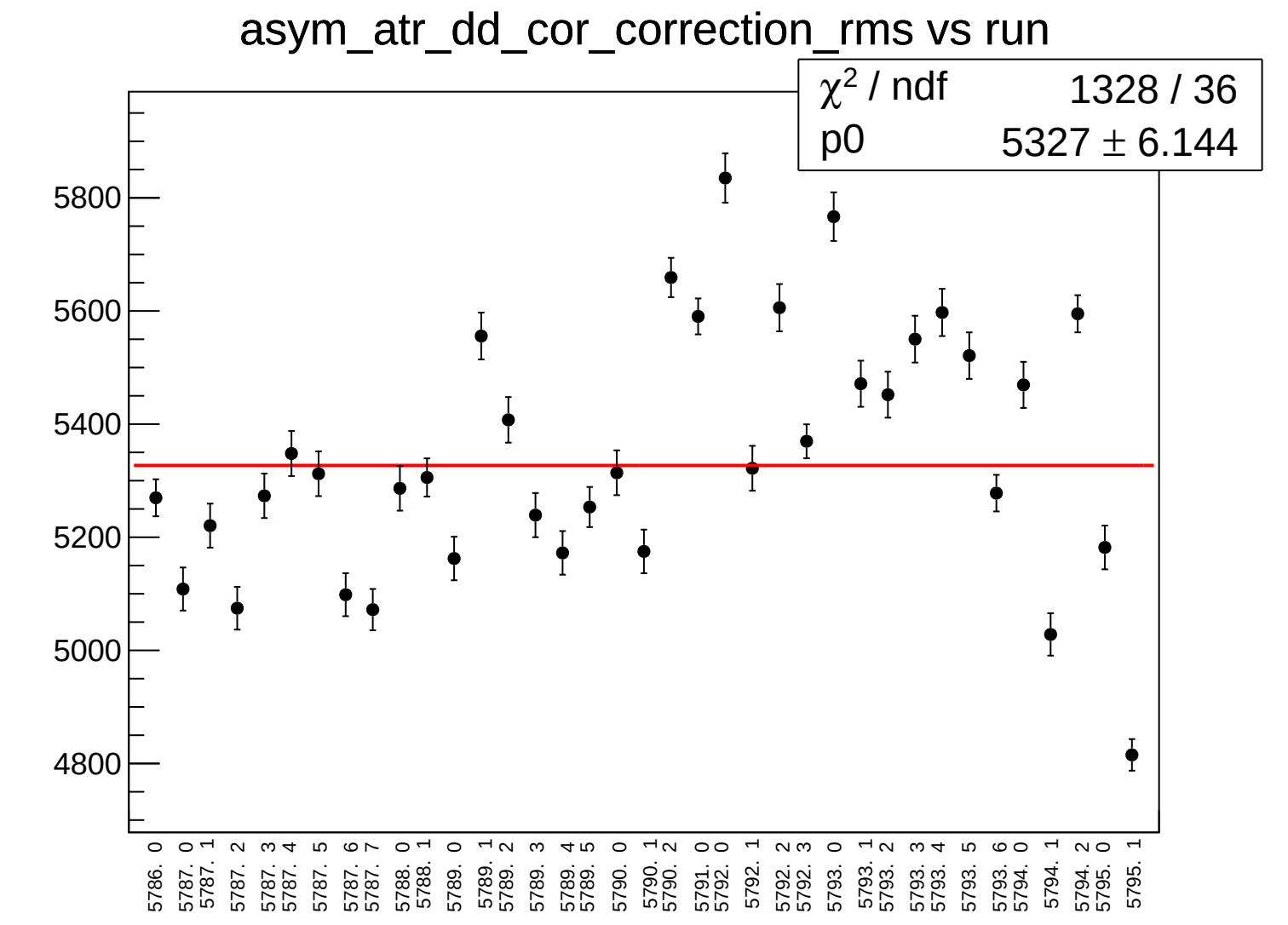
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.85
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01551
Std Dev 0.9937
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_cor_correction_rms vs run
χ² / ndf 1328 / 36
p0 5327 ± 6.144
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
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5788. 1
5789. 0
5789. 1
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5789. 3
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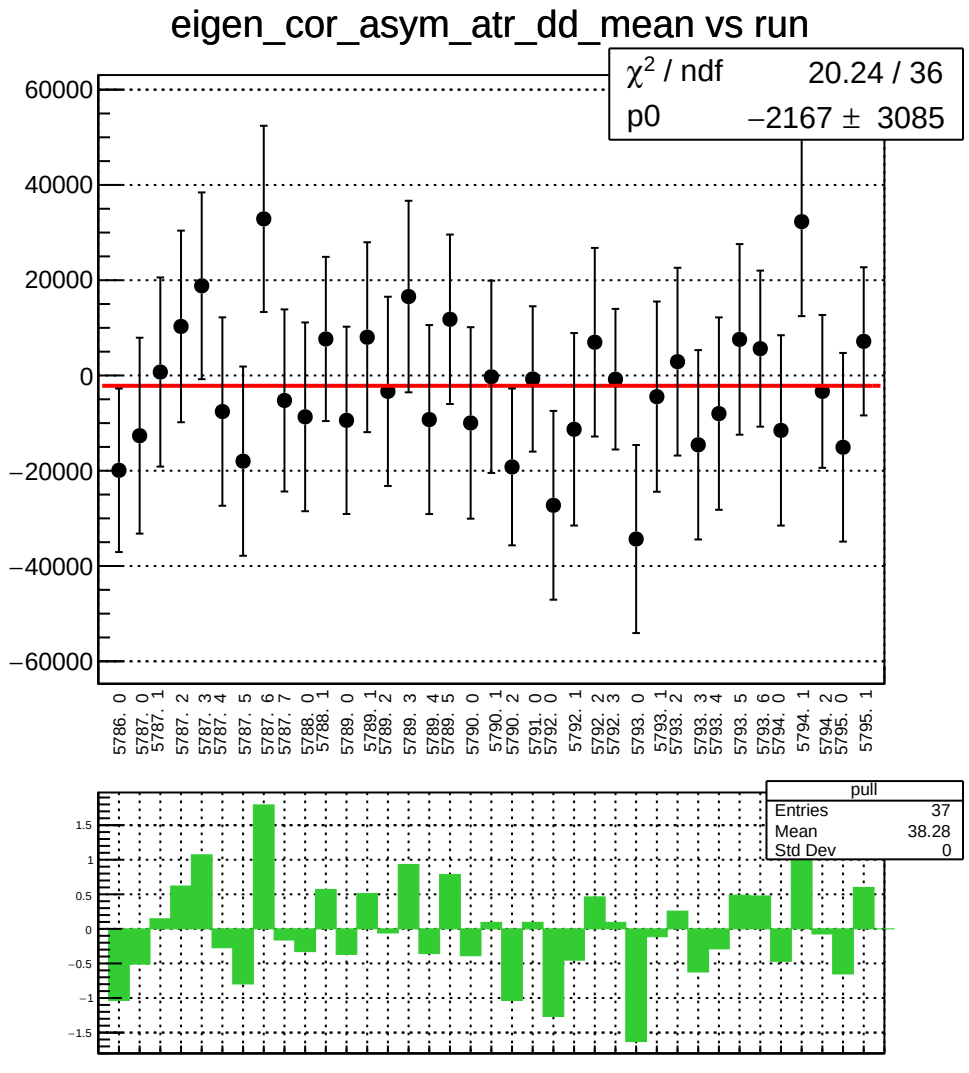
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atr_dd_mean vs run
χ² / ndf 20.24 / 36
p0 −2167 ± 3085
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
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5789. 5
5790. 0
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5790. 2
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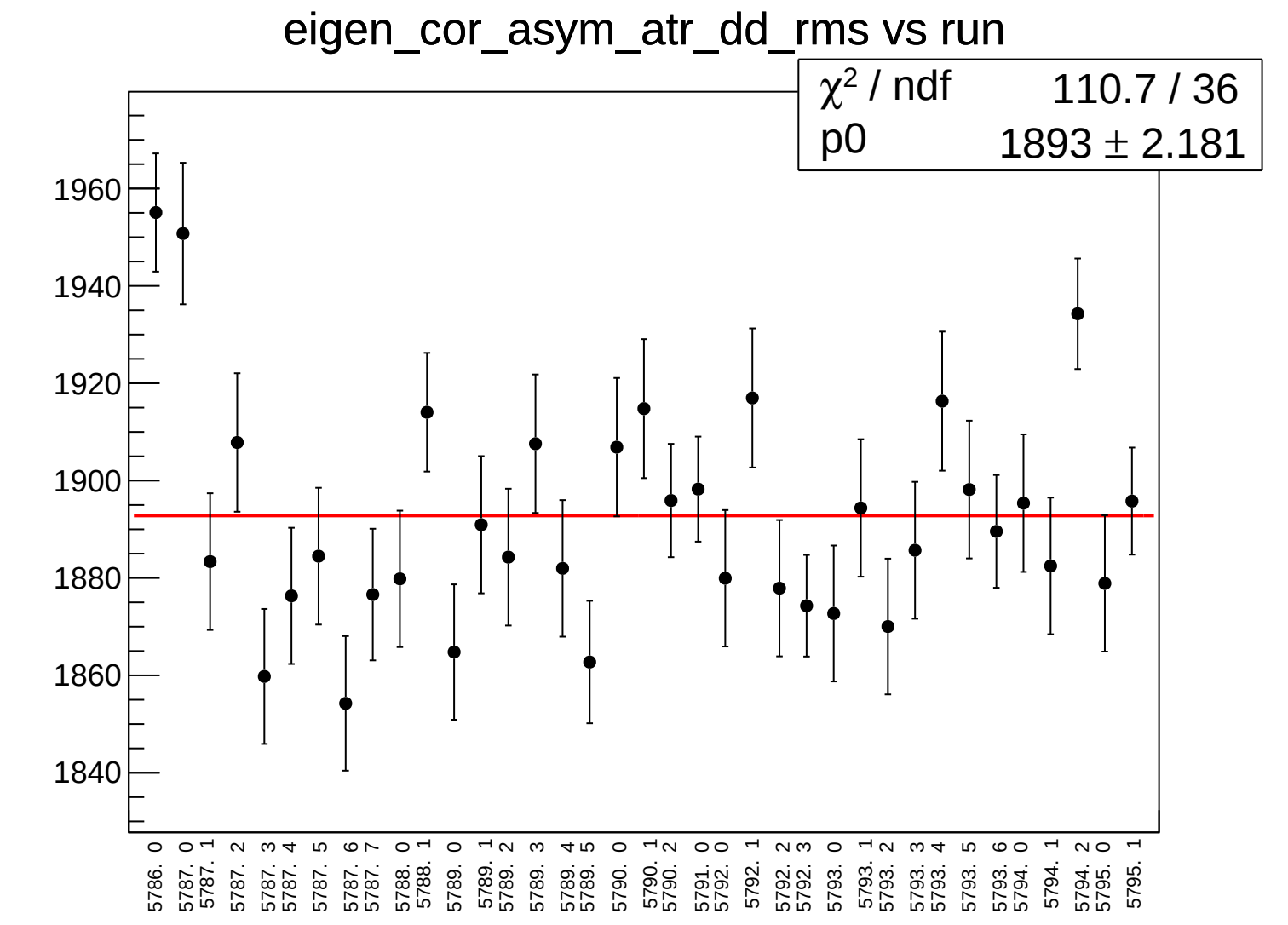
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.003973
Std Dev 0.7396
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr_dd_rms vs run
χ² / ndf 110.7 / 36
p0 1893 ± 2.181
1960
1940
1920
1900
1880
1860
1840
5786. 0
5787. 0
5787. 1
5787. 2
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5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 0
5789. 1
5789. 2
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5790. 2
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5792. 0
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5792. 2
5792. 3
5793. 0
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5795. 0
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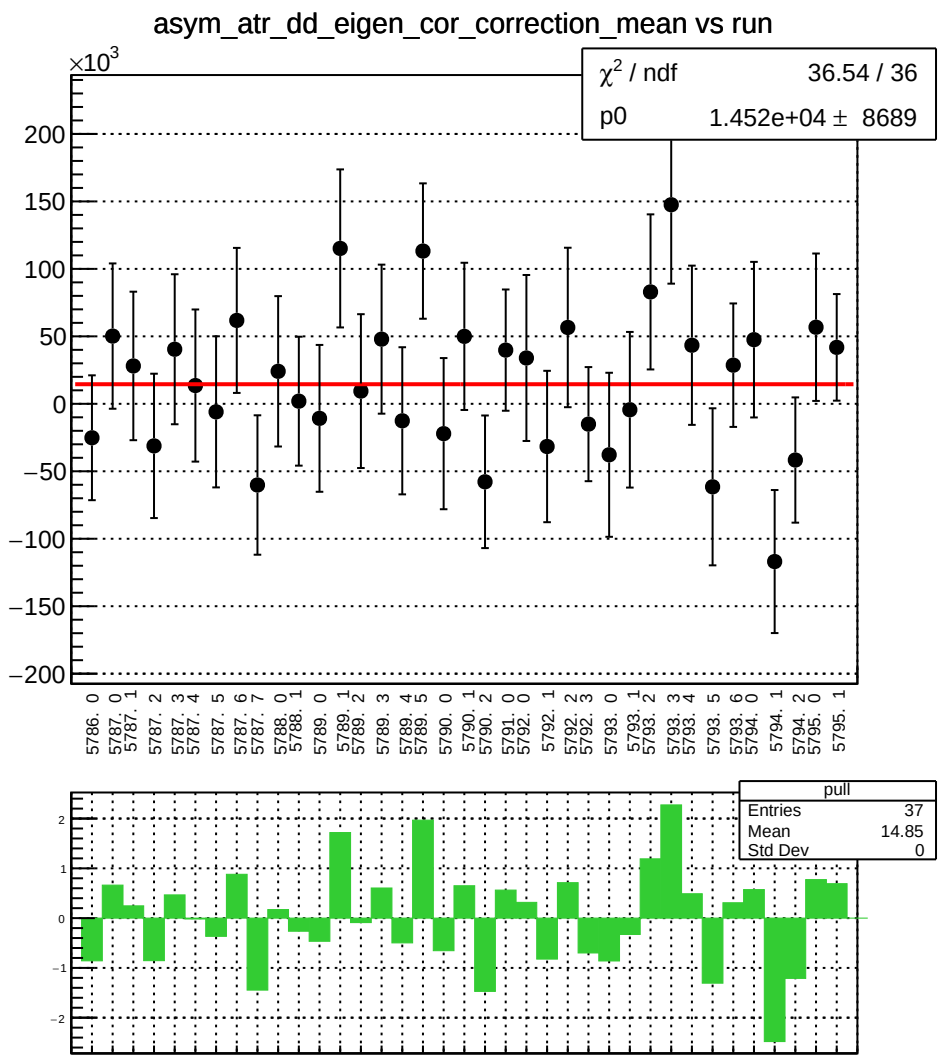
asym_atr_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.54 / 36
p0 1.452e+04 ± 8689
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 5
5790. 0
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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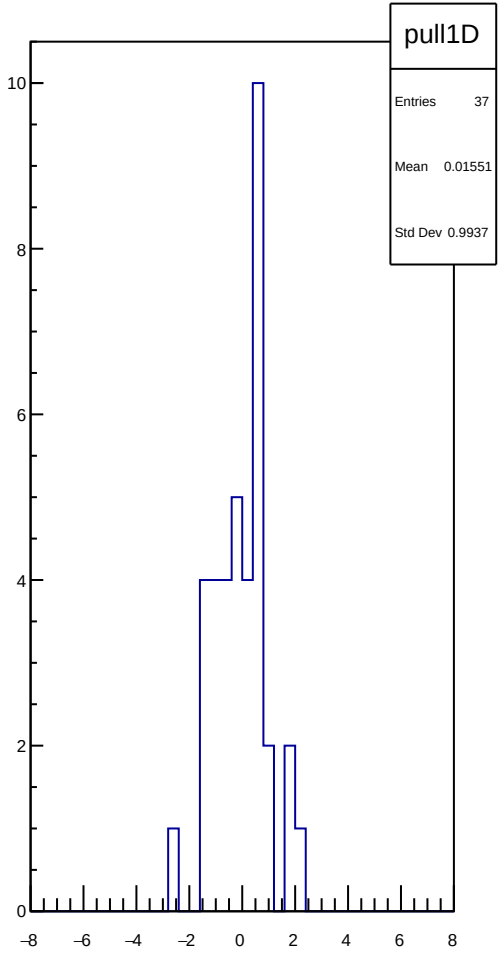
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.85
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01551
Std Dev 0.9937
10
8
6
4
2
0
−8
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−4
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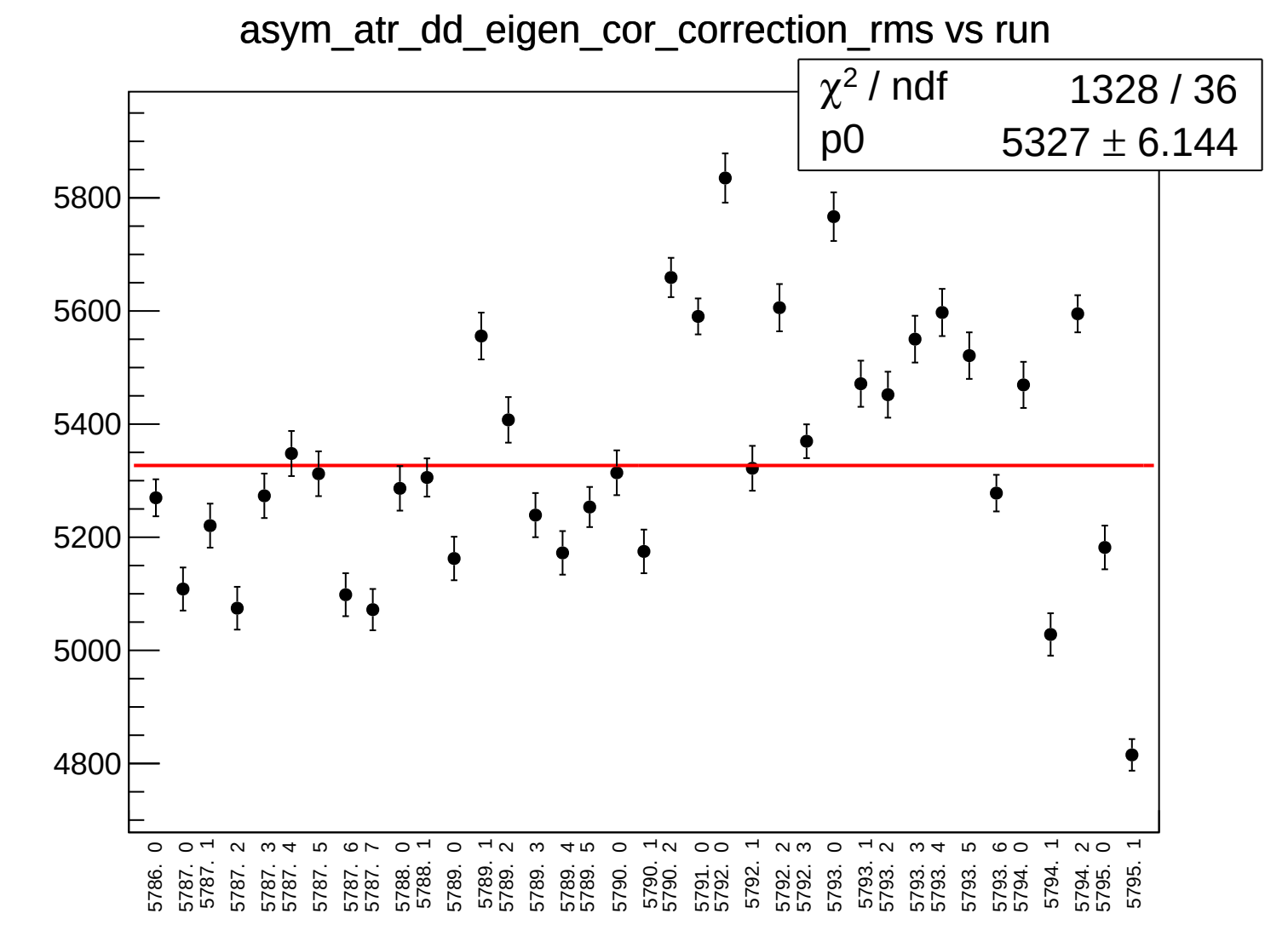
2
4
6
8


asym_atr_dd_eigen_cor_correction_rms vs run
χ² / ndf 1328 / 36
p0 5327 ± 6.144
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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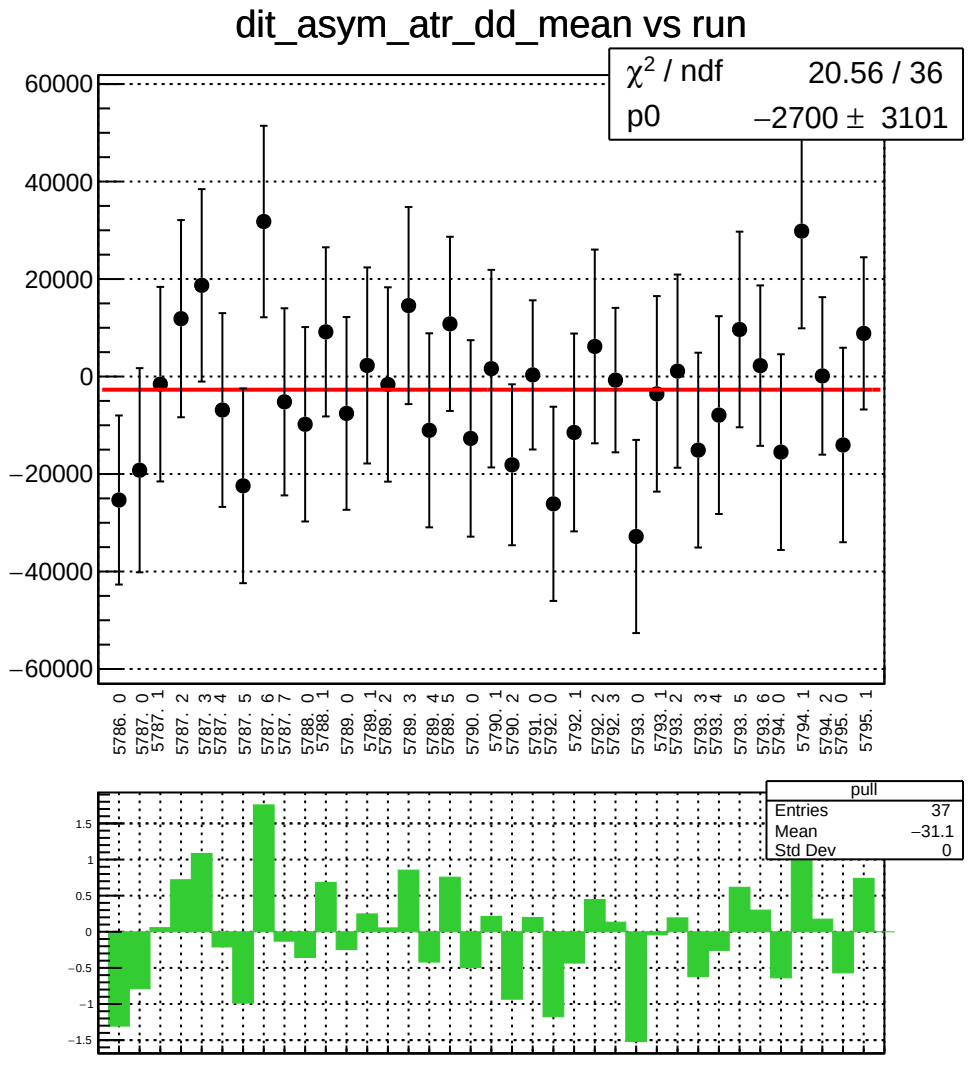
5795. 1


dit_asym_atr_dd_mean vs run
χ² / ndf 20.56 / 36
p0 −2700 ± 3101
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
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5789. 5
5790. 0
5790. 1
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5792. 0
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5792. 2
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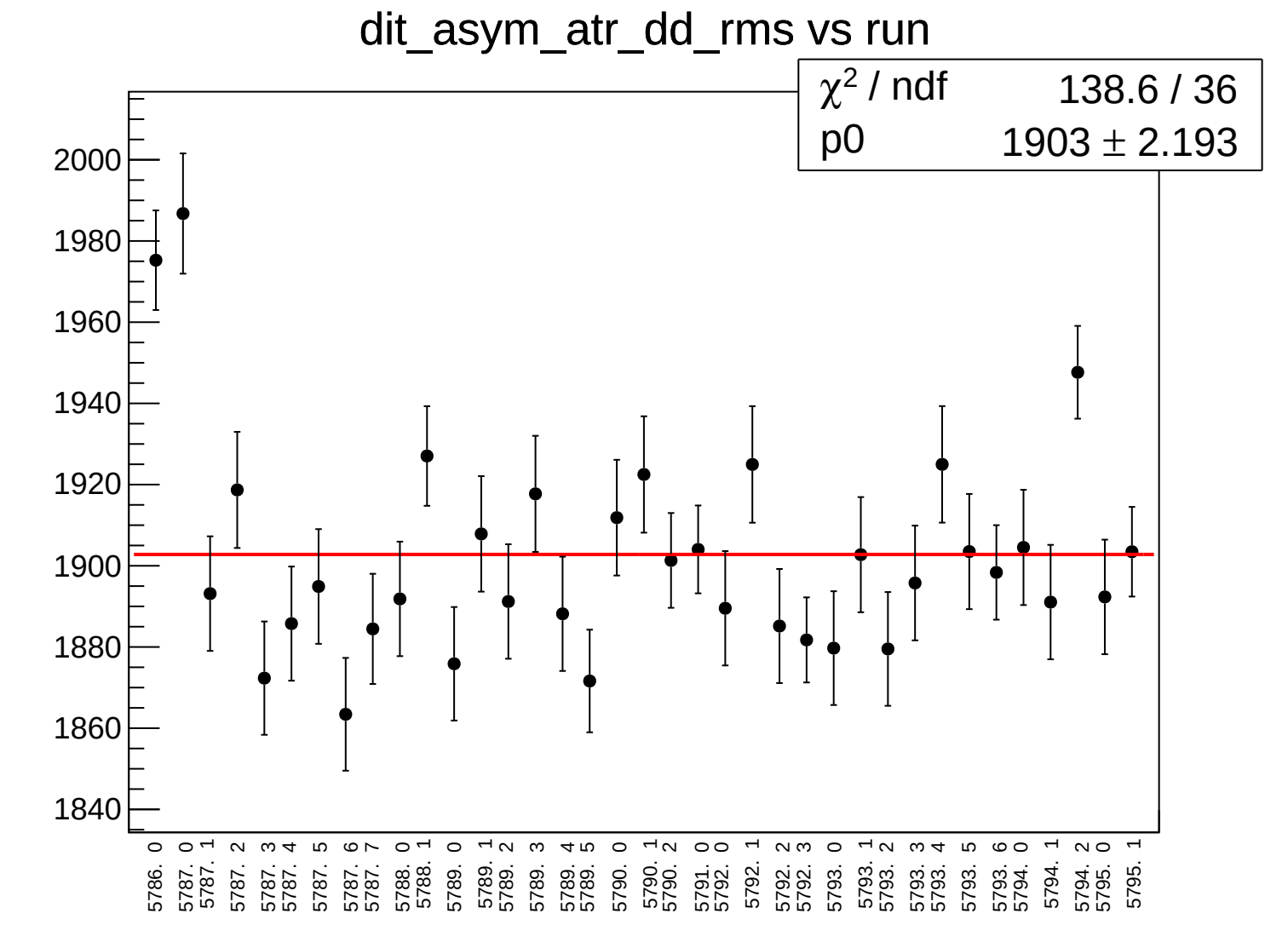
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.007255
Std Dev 0.7455
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atr_dd_rms vs run
χ² / ndf 138.6 / 36
p0 1903 ± 2.193
2000
1980
1960
1940
1920
1900
1880
1860
1840
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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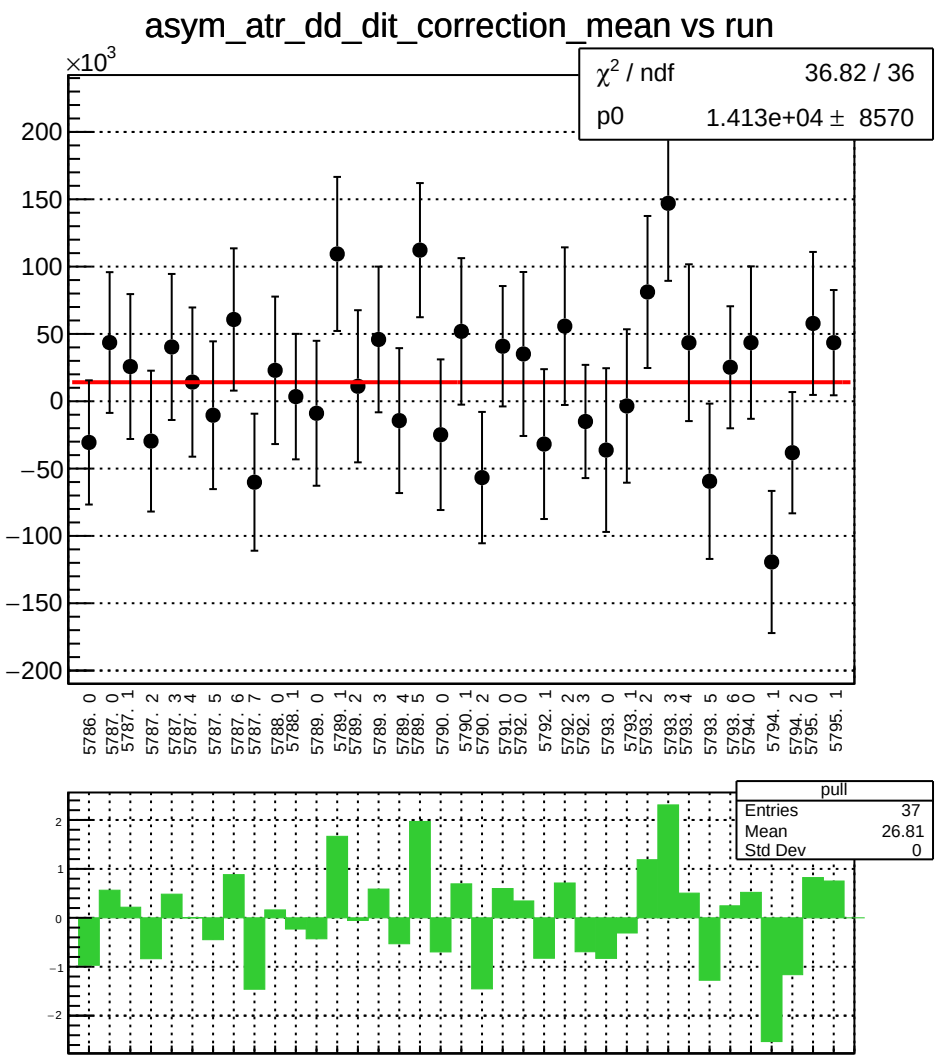
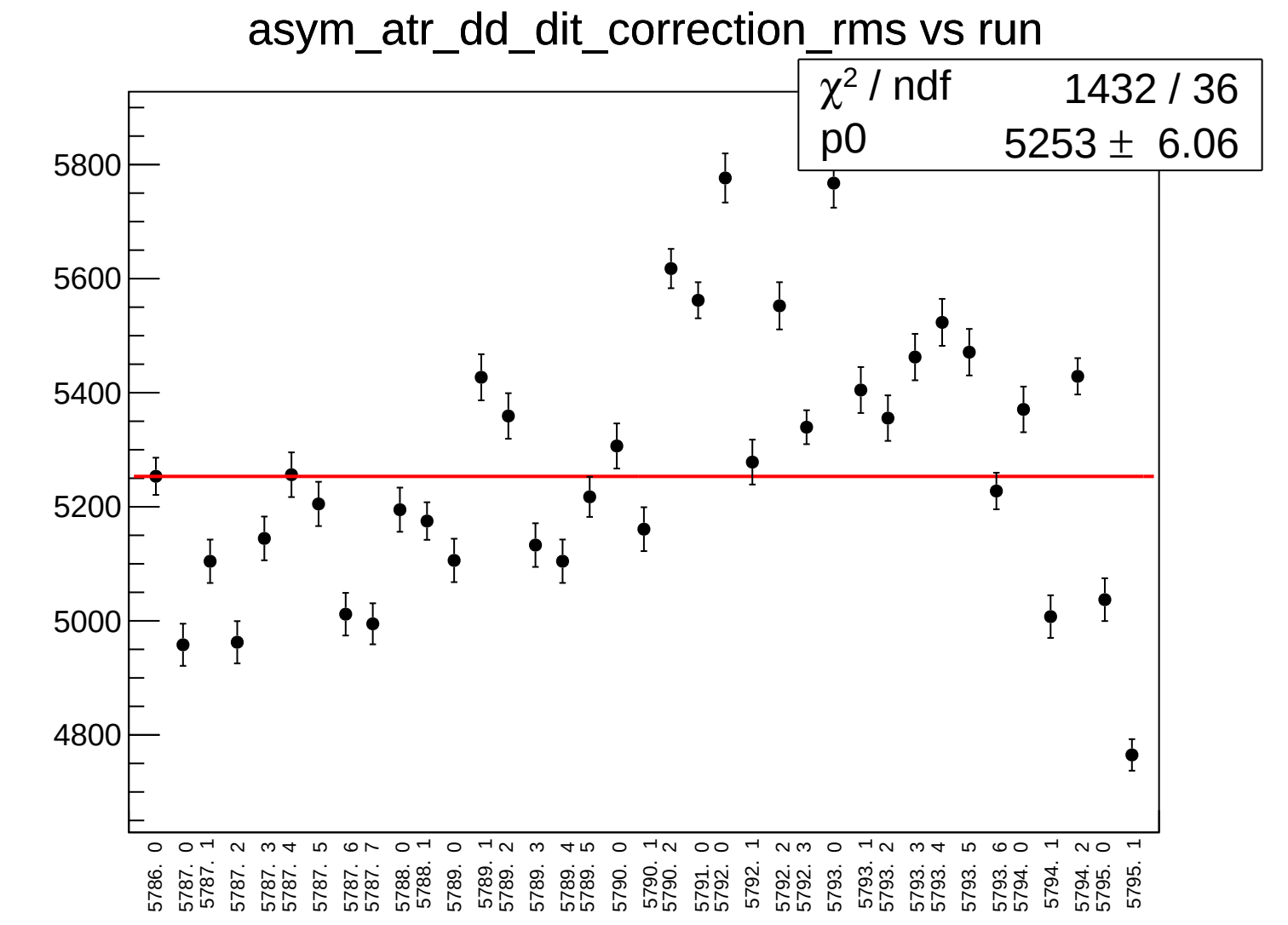

asym_atr_dd_dit_correction_mean vs run
×10^3
χ² / ndf 36.82 / 36
p0 1.413e+04 ± 8570
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.81
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01333
Std Dev 0.9975
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr_dd_dit_correction_rms vs run
χ² / ndf 1432 / 36
p0 5253 ± 6.06
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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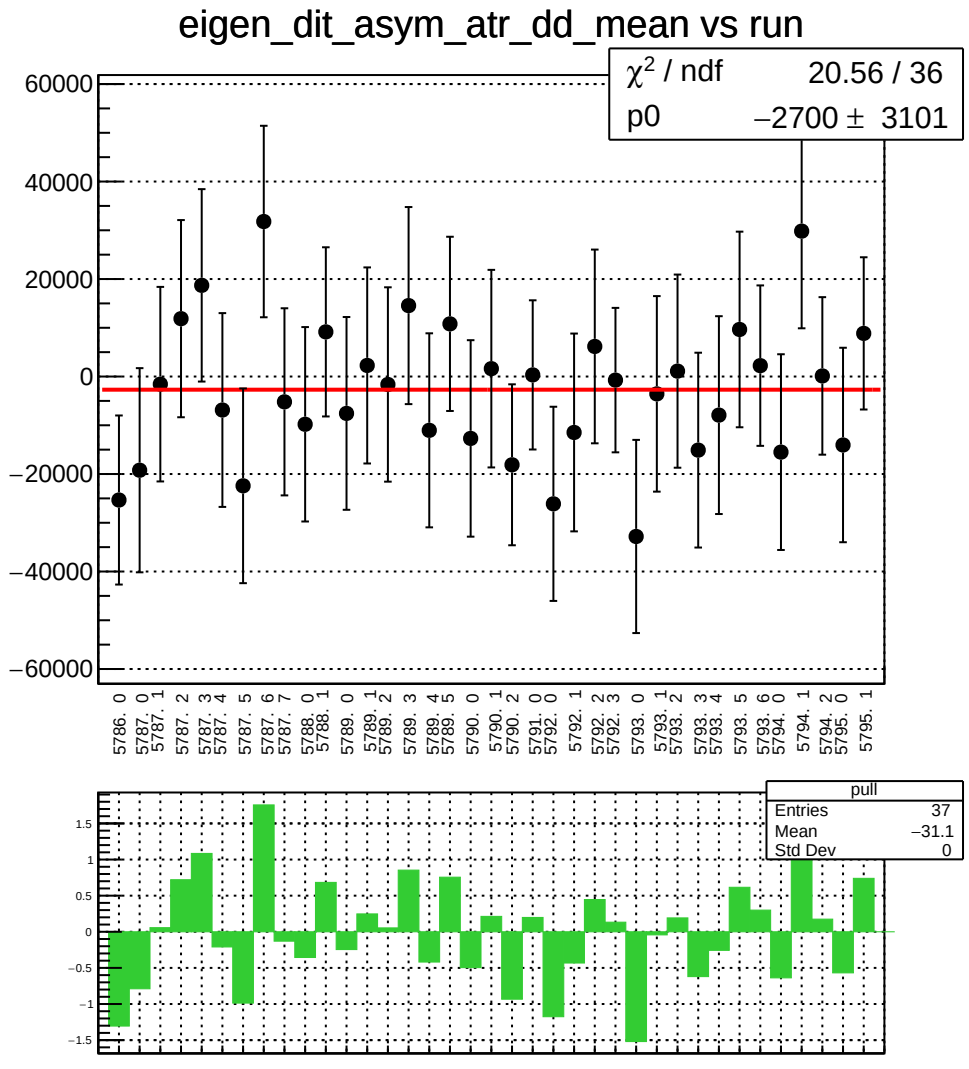
5795. 1


eigen_dit_asym_atr_dd_mean vs run
χ² / ndf 20.56 / 36
p0 −2700 ± 3101
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
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5787. 6
5787. 7
5788. 0
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5790. 2
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5792. 2
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5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.007255
Std Dev 0.7455
9
8
7
6
5
4
3
2
1
0
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−4
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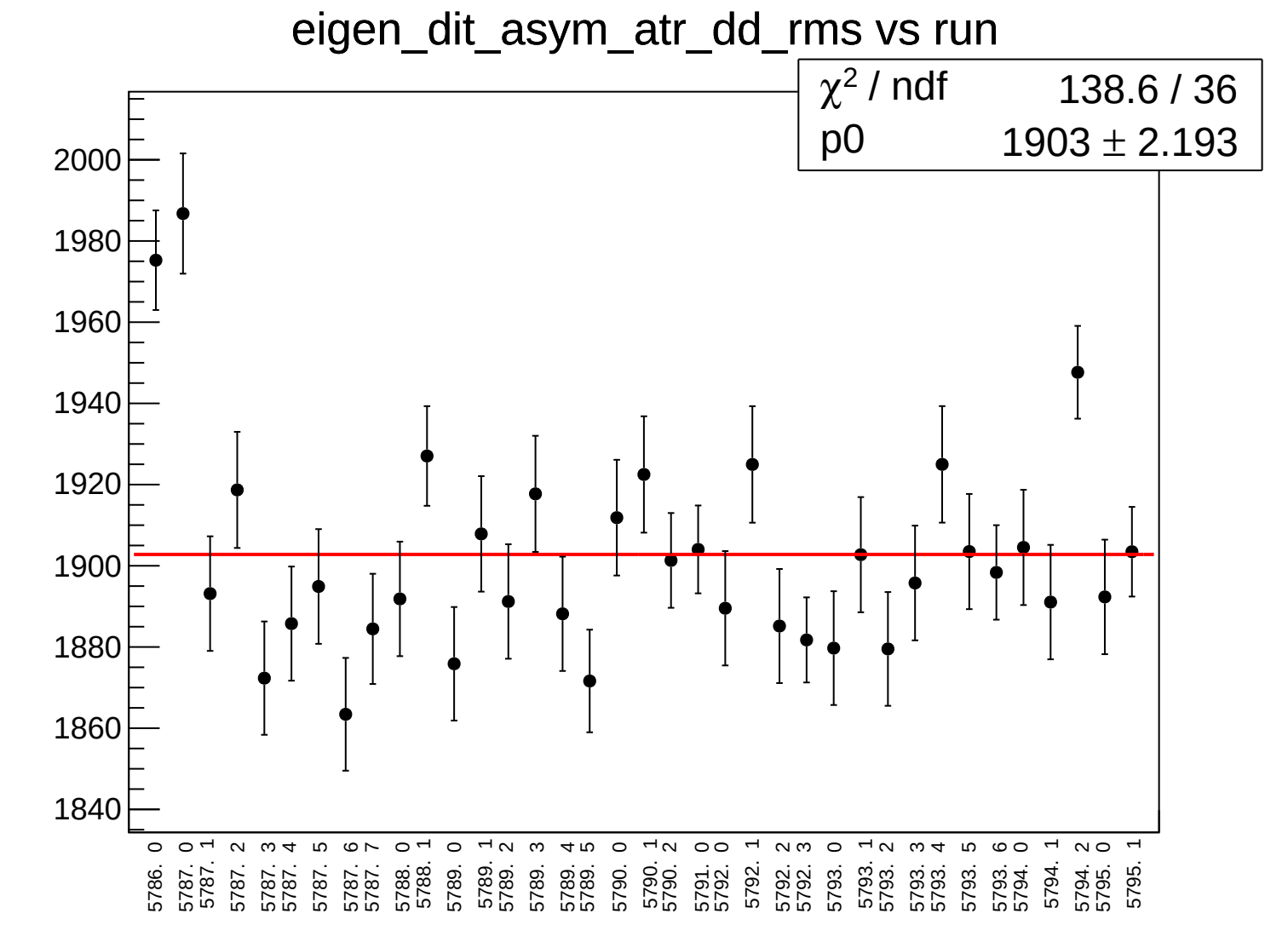
0
2
4
6
8


eigen_dit_asym_atr_dd_rms vs run
χ² / ndf 138.6 / 36
p0 1903 ± 2.193
2000
1980
1960
1940
1920
1900
1880
1860
1840
5786. 0
5787. 0
5787. 1
5787. 2
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5789. 2
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5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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5793. 0
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5794. 2
5795. 0
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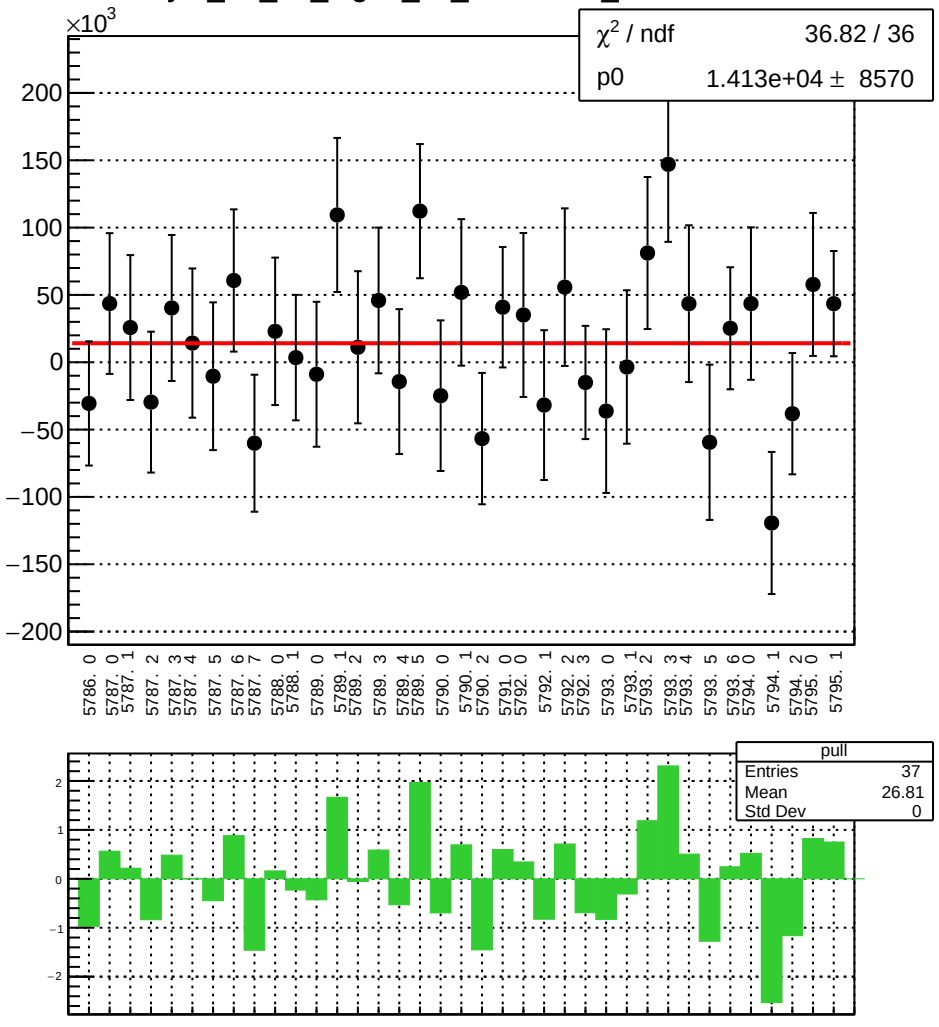
asym_atr_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.82 / 36
p0 1.413e+04 ± 8570
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
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5789. 1
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5792. 0
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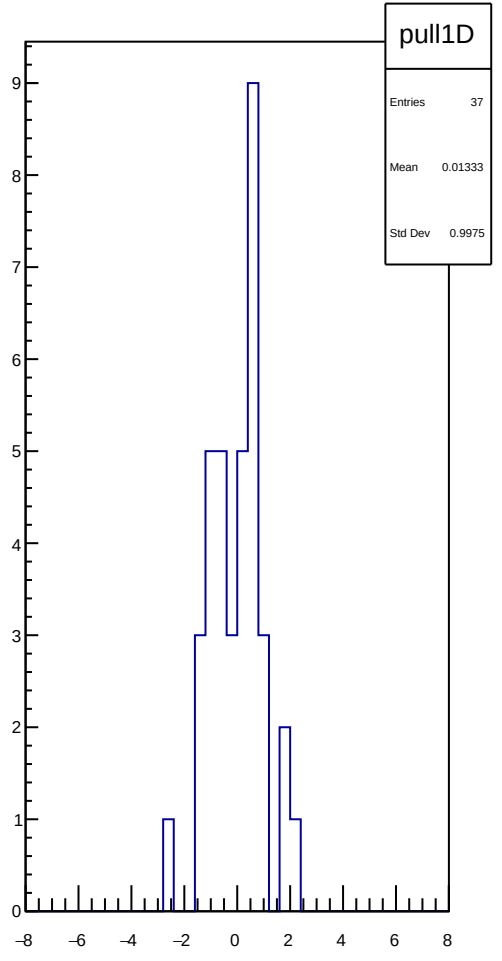
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.81
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01333
Std Dev 0.9975
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8
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6
5
4
3
2
1
0
−8
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−4
−2
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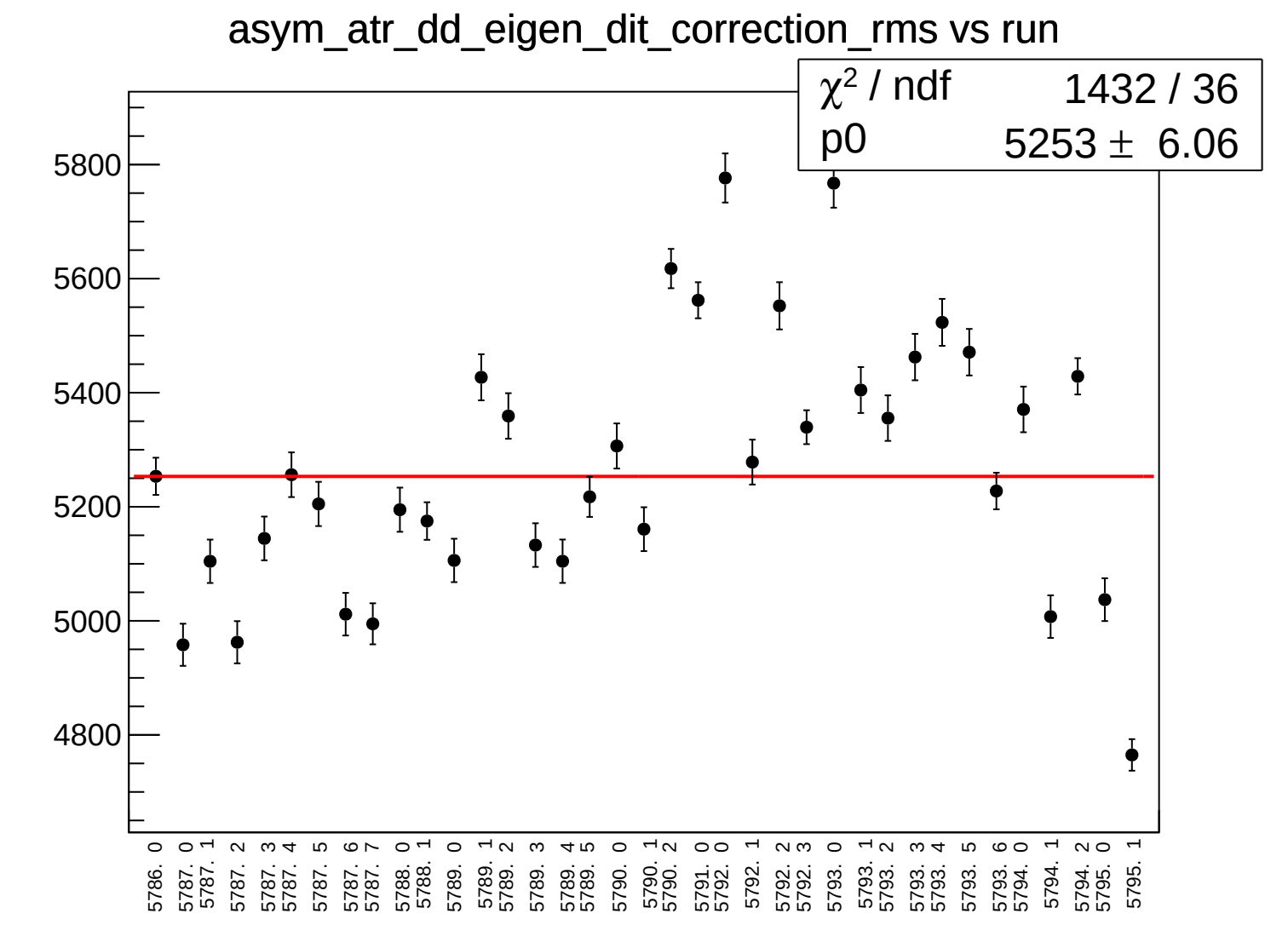
2
4
6
8


asym_atr_dd_eigen_dit_correction_rms vs run
χ² / ndf 1432 / 36
p0 5253 ± 6.06
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
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5788. 1
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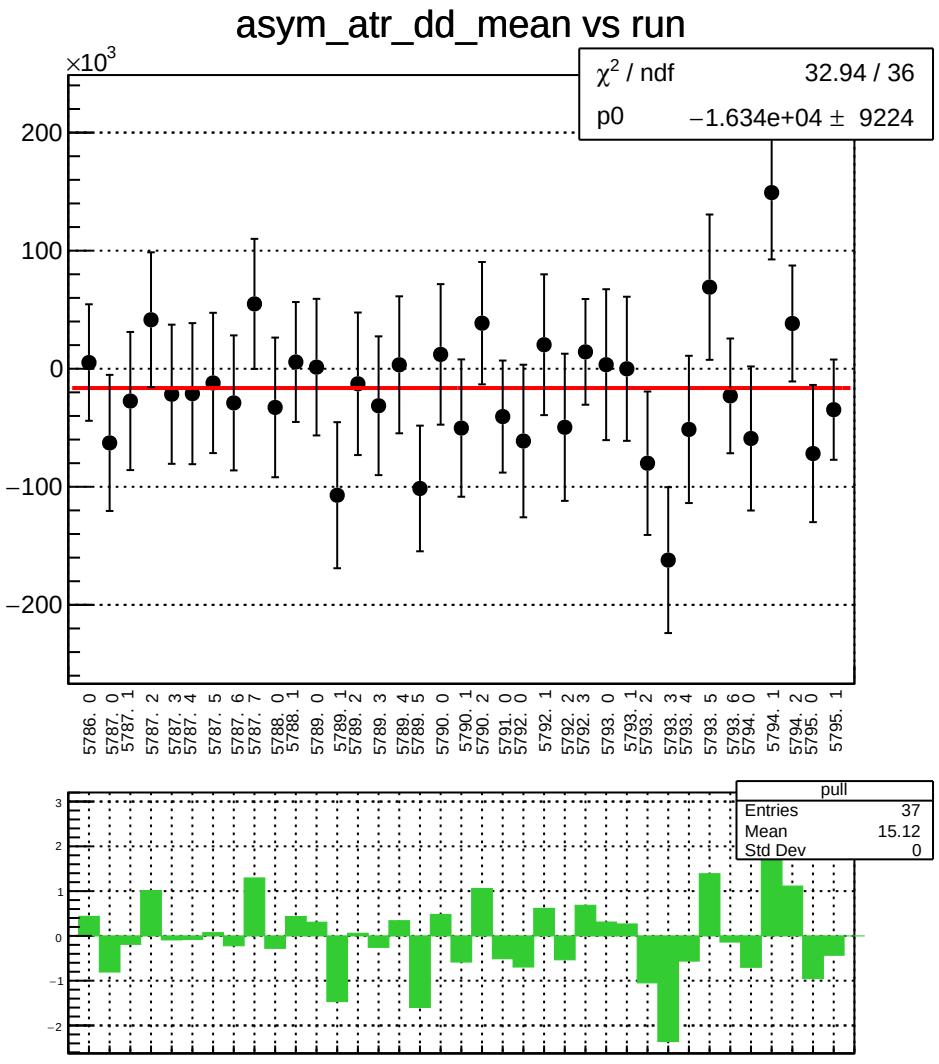
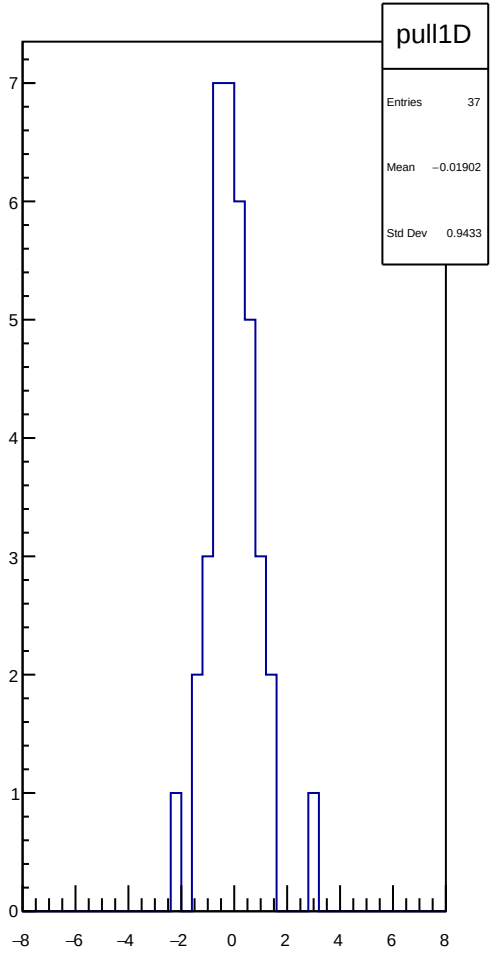
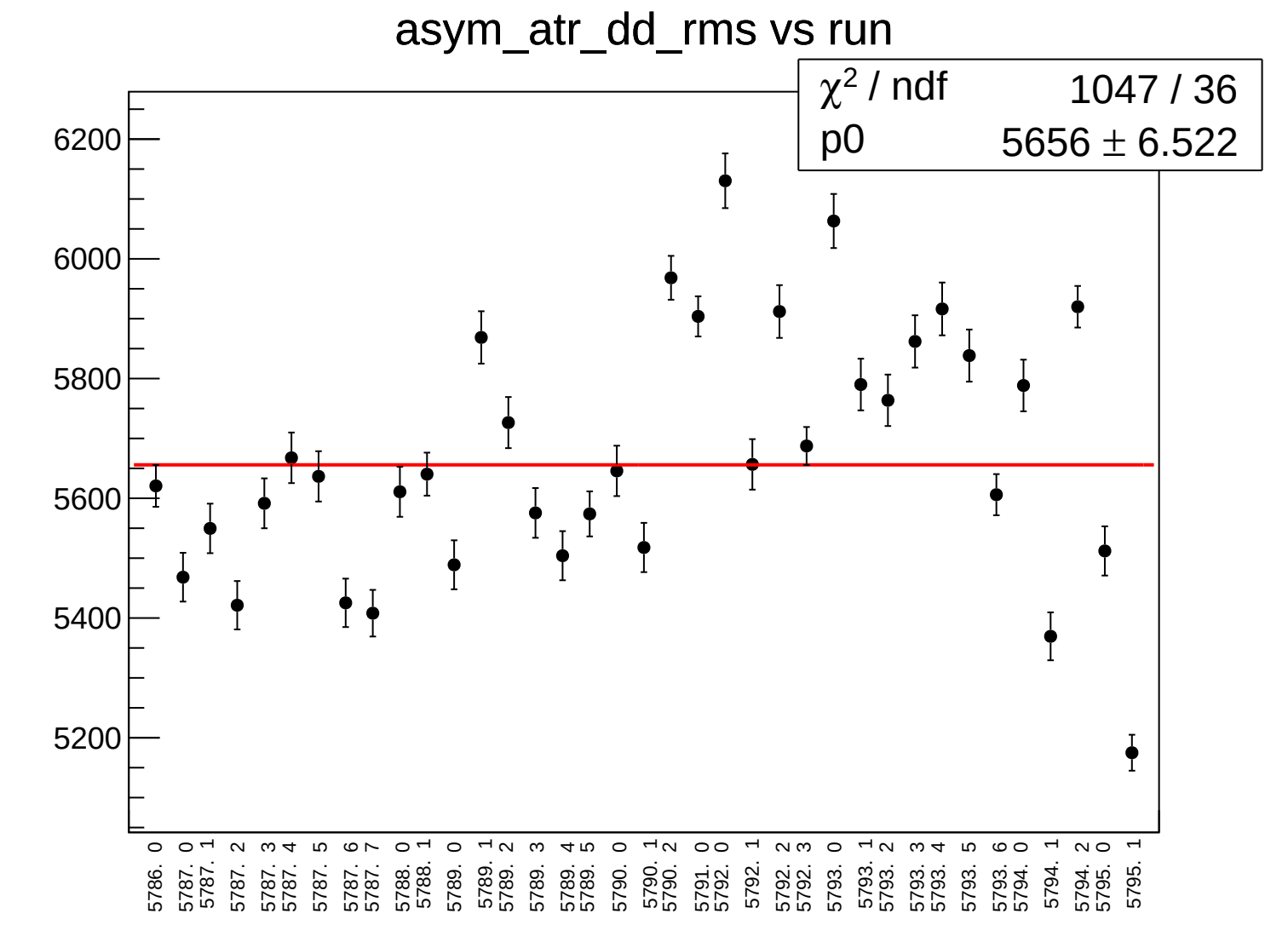
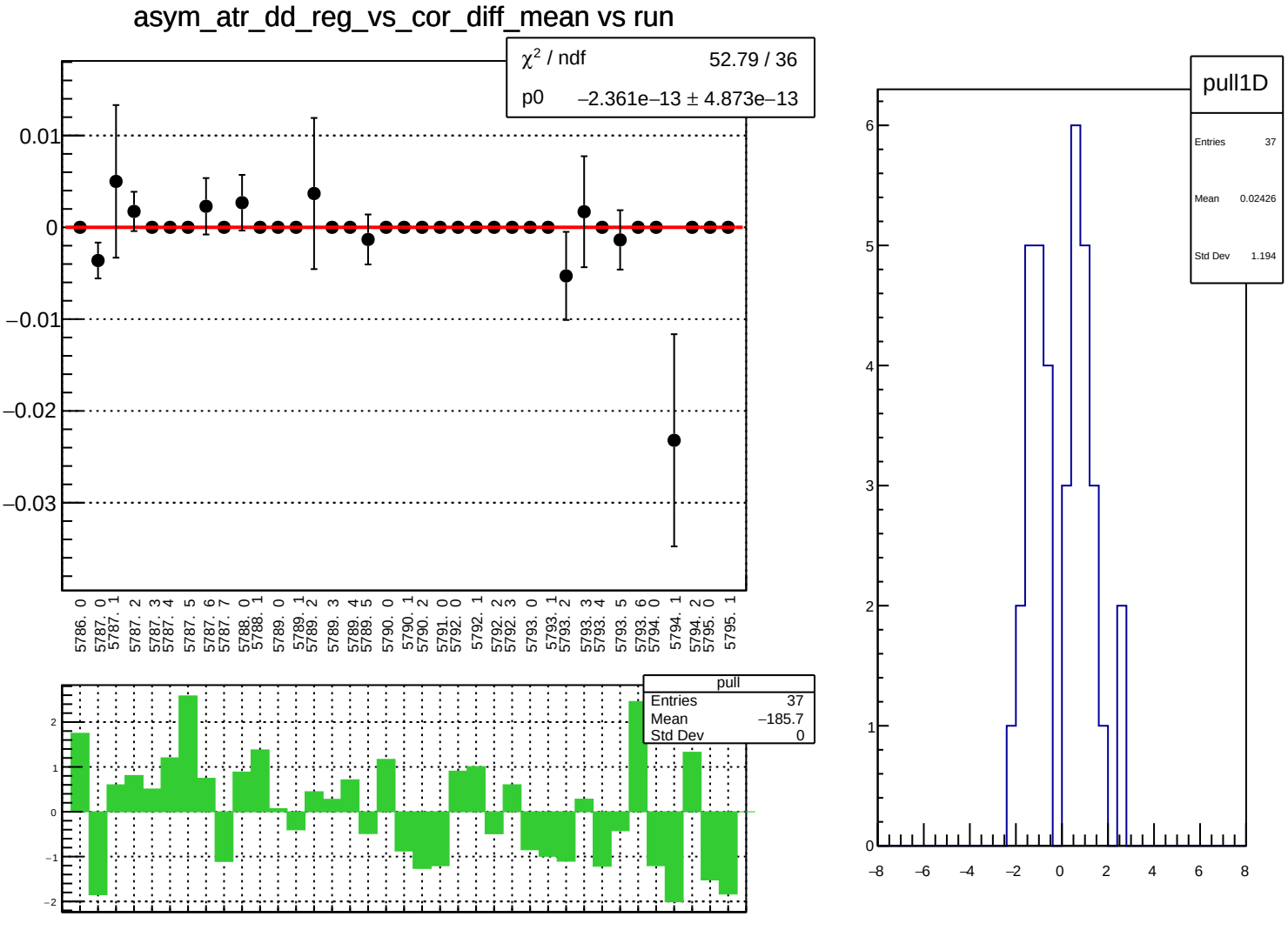
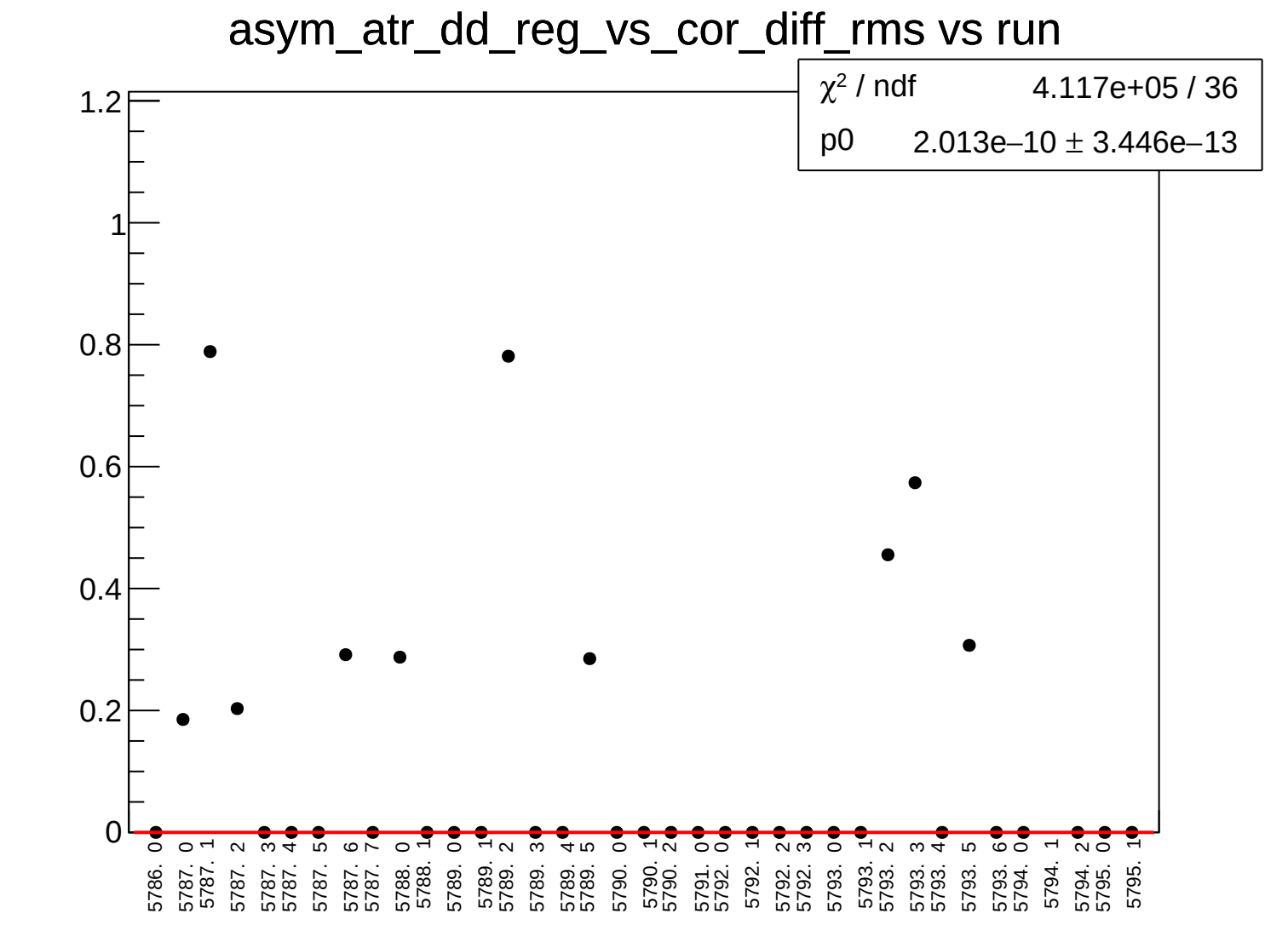
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

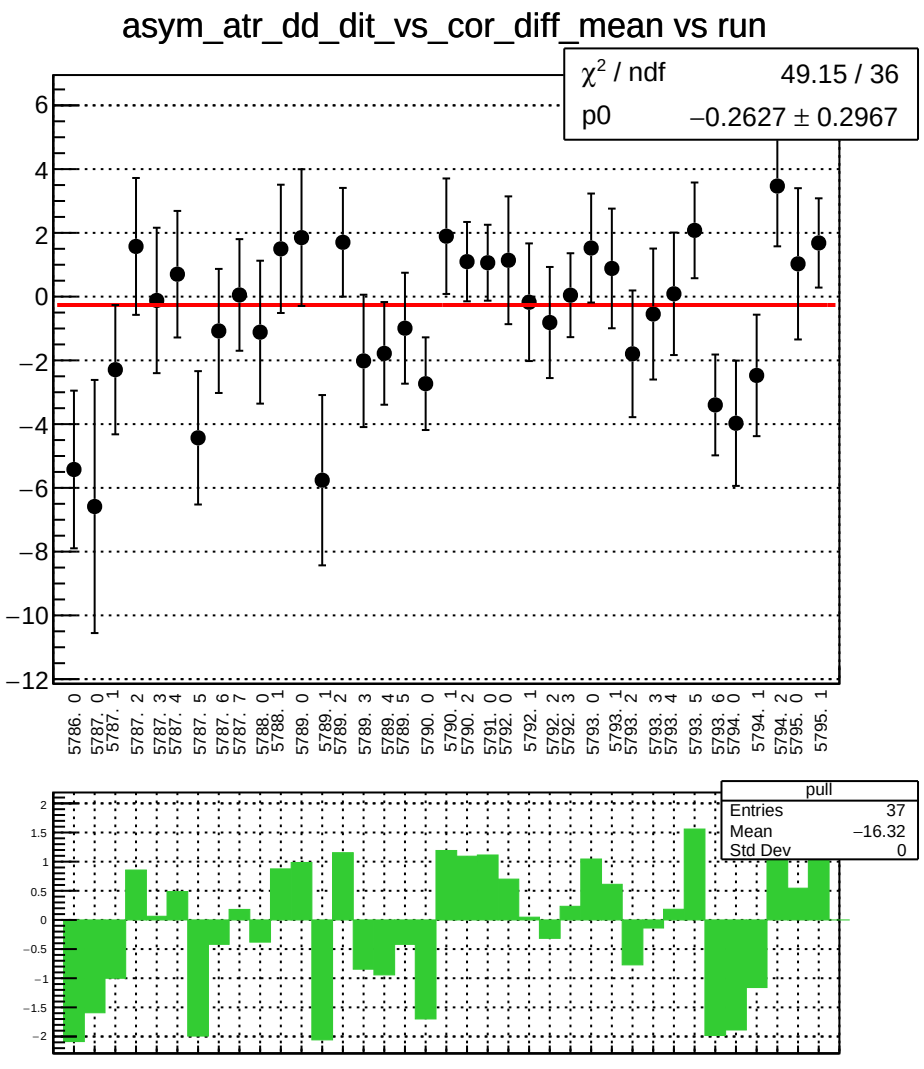

asym_atr_dd_mean vs run
×10^3
χ² / ndf 32.94 / 36
p0 −1.634e+04 ± 9224
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.12
Std Dev 0

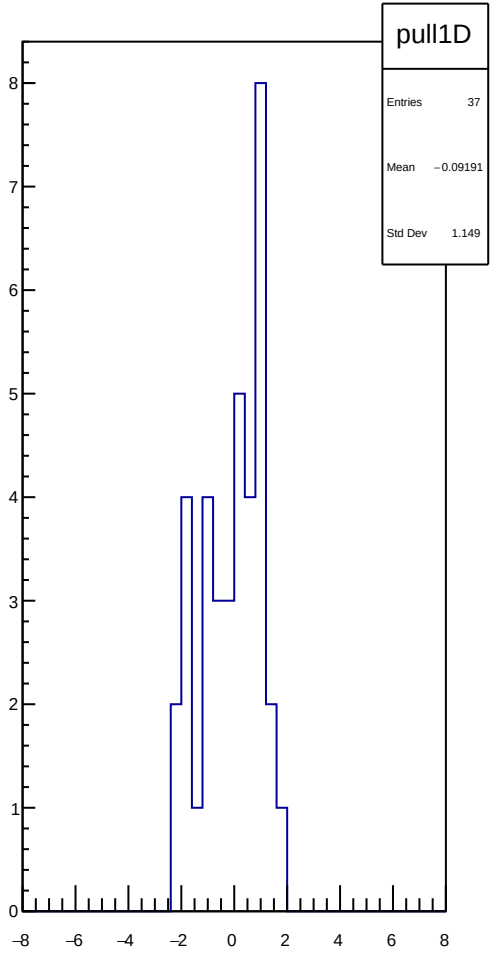

pull1D
Entries 37
Mean −0.01902
Std Dev 0.9433

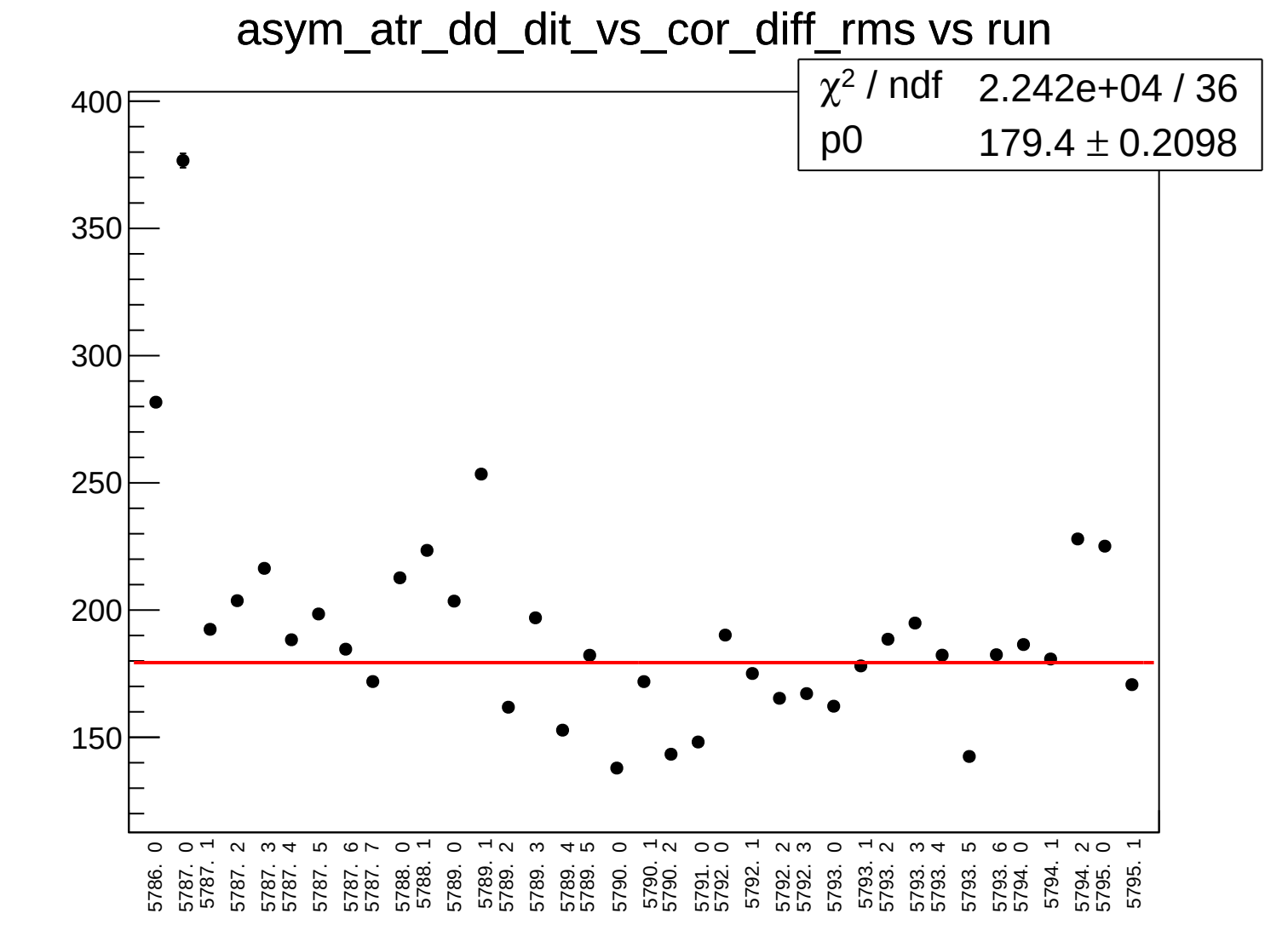

asym_atr_dd_rms vs run
χ² / ndf 1047 / 36
p0 5656 ± 6.522
6200
6000
5800
5600
5400
5200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 52.79 / 36
p0 −2.361e−13 ± 4.873e−13
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −185.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02426
Std Dev 1.194
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

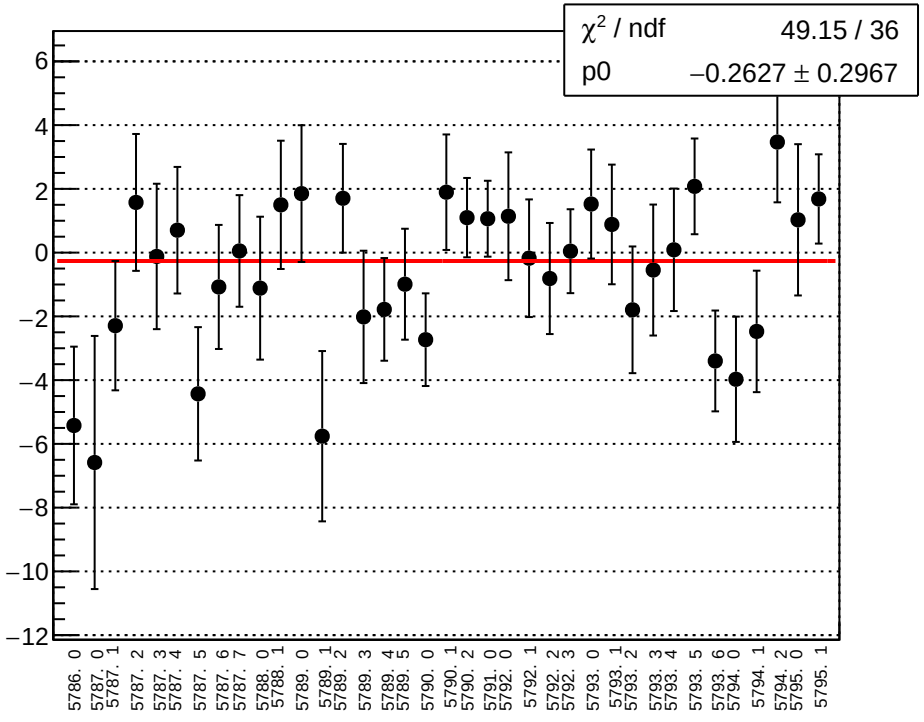

asym_atr_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.117e+05 / 36
p0 2.013e−10 ± 3.446e−13
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

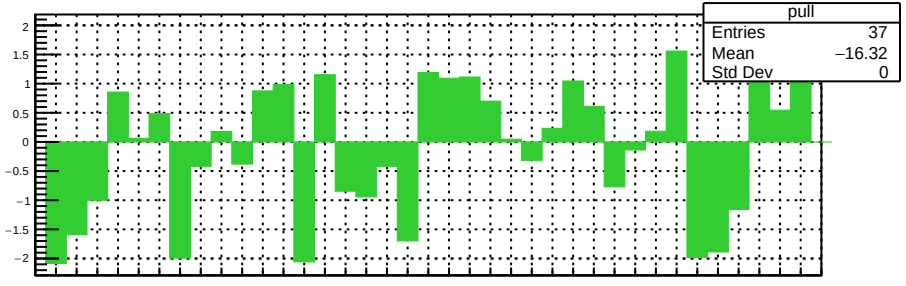

asym_atr_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.15 / 36
p0 −0.2627 ± 0.2967
pull
Entries 37
Mean −16.32
Std Dev 0

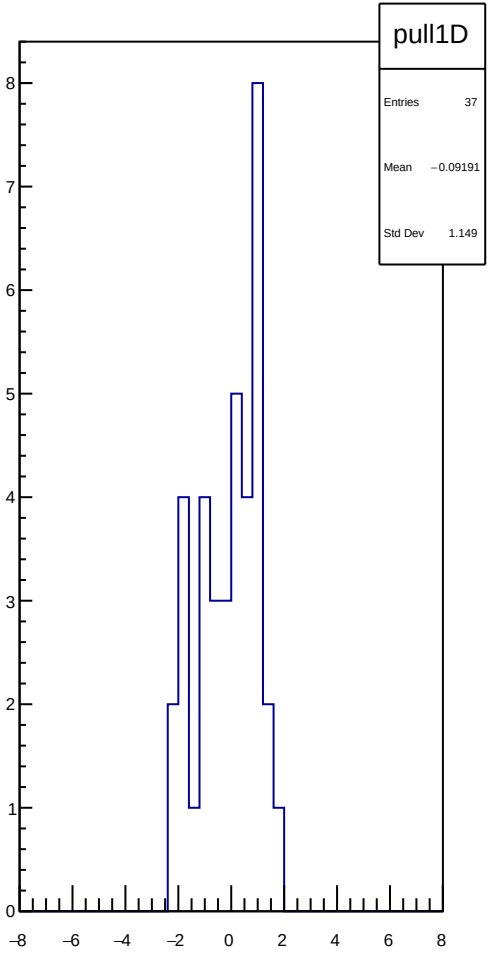

pull1D
Entries 37
Mean −0.09191
Std Dev 1.149

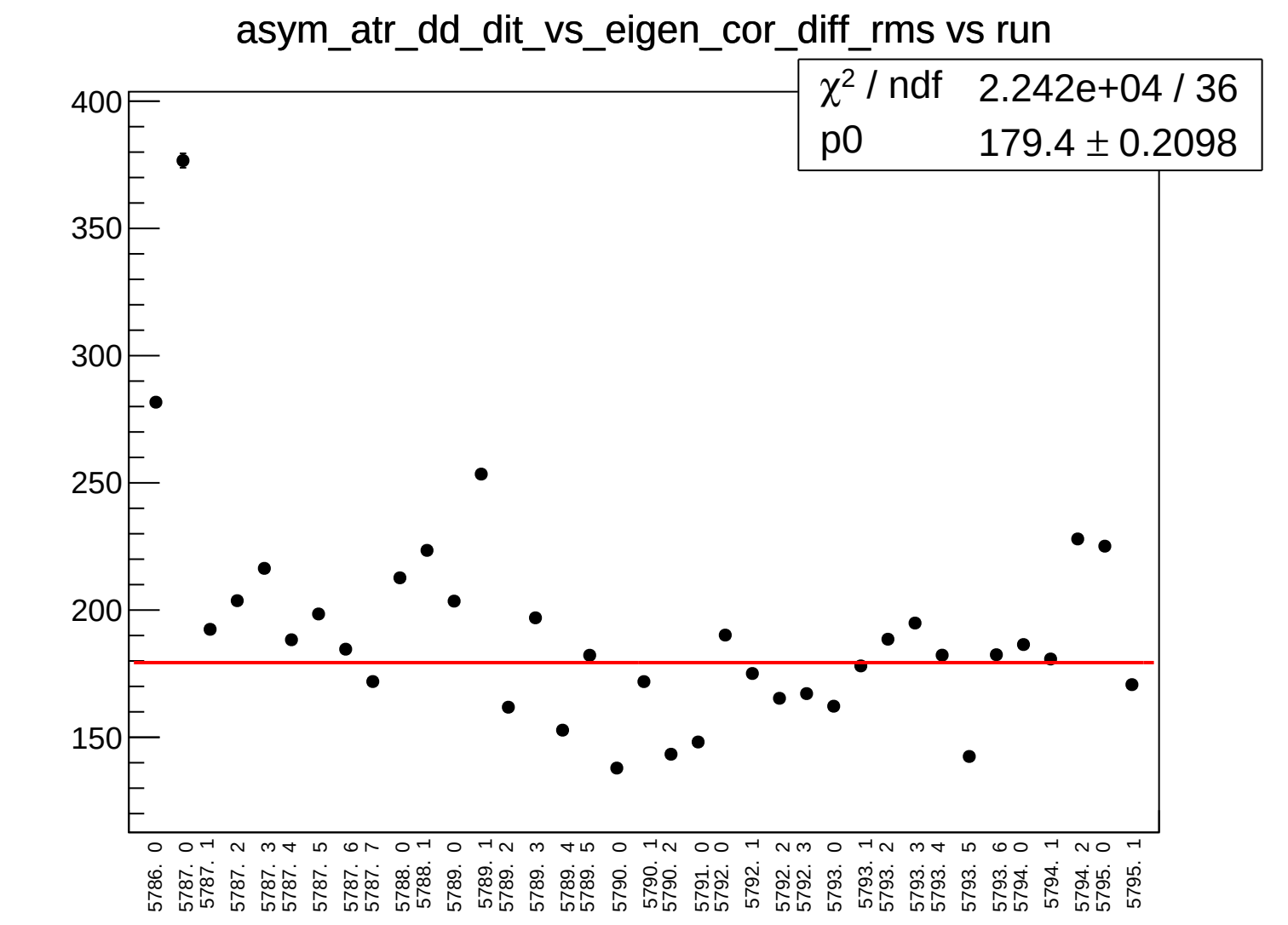

asym_atr_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.242e+04 / 36
p0 179.4 ± 0.2098
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

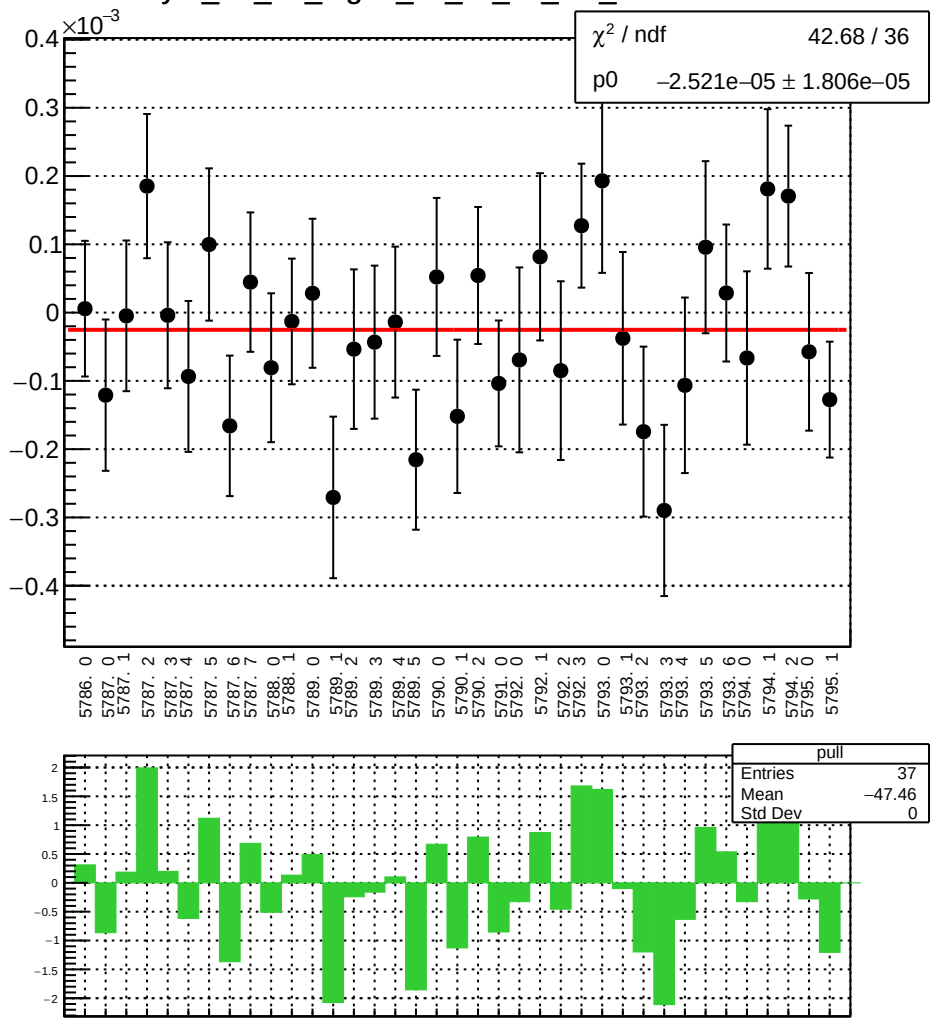
asym_atr_dd_dit_vs_eigen_cor_diff_mean vs run

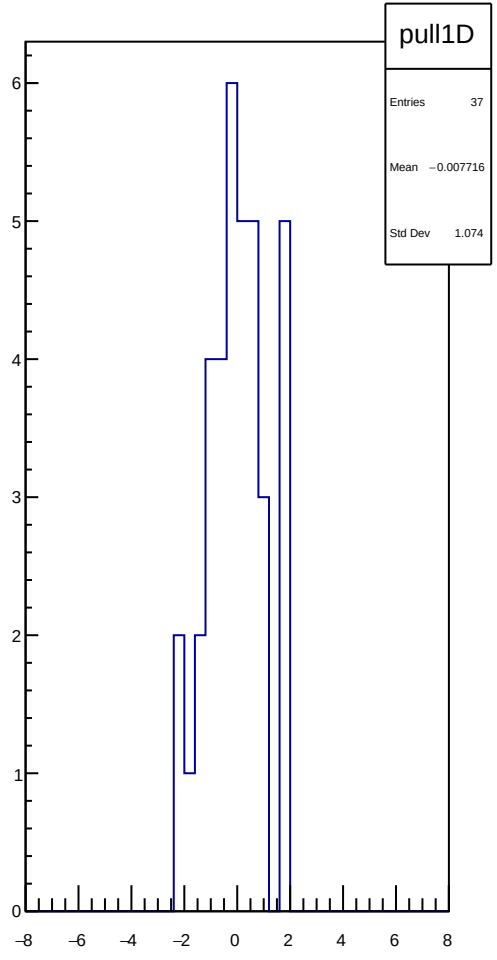


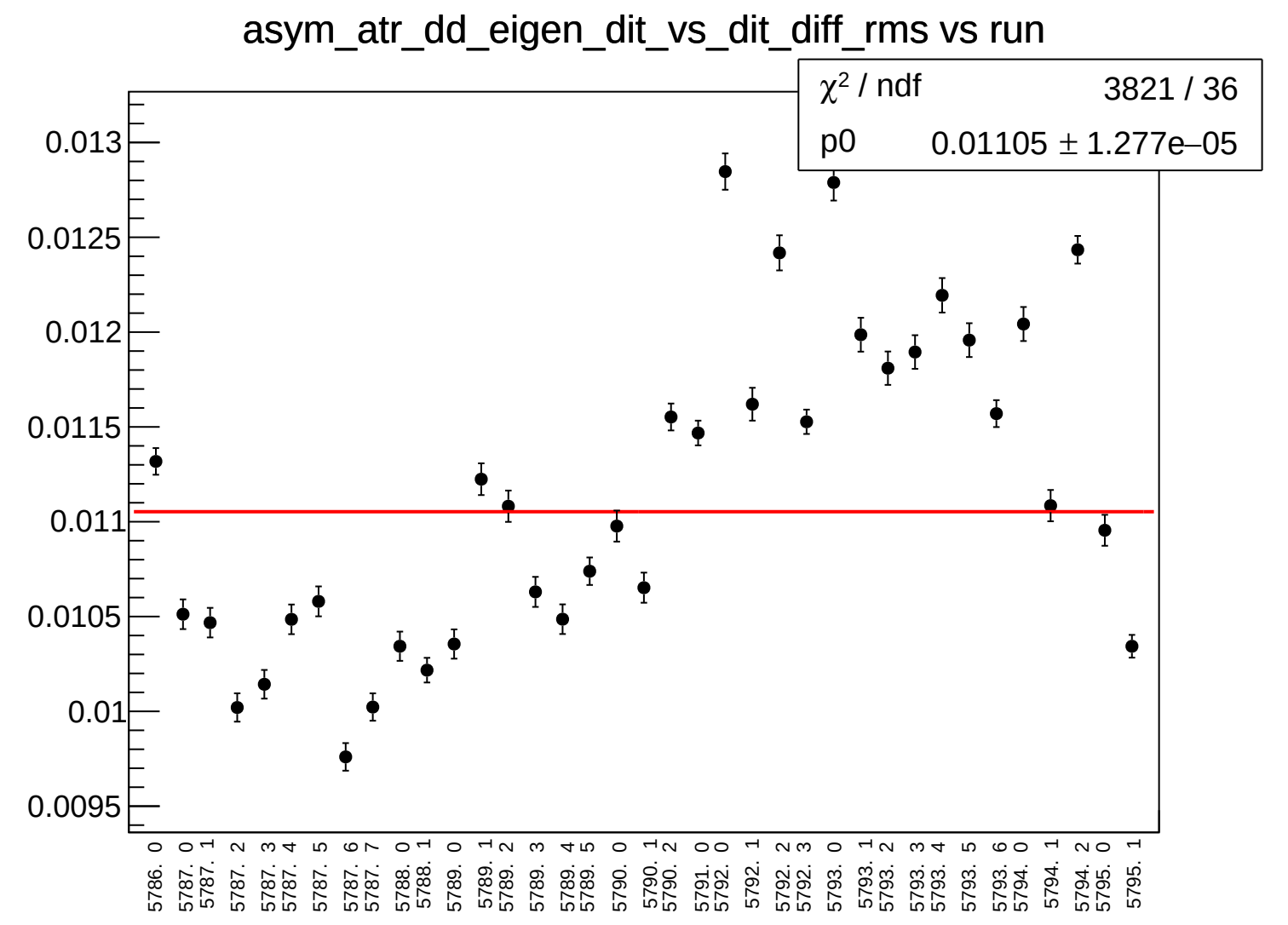


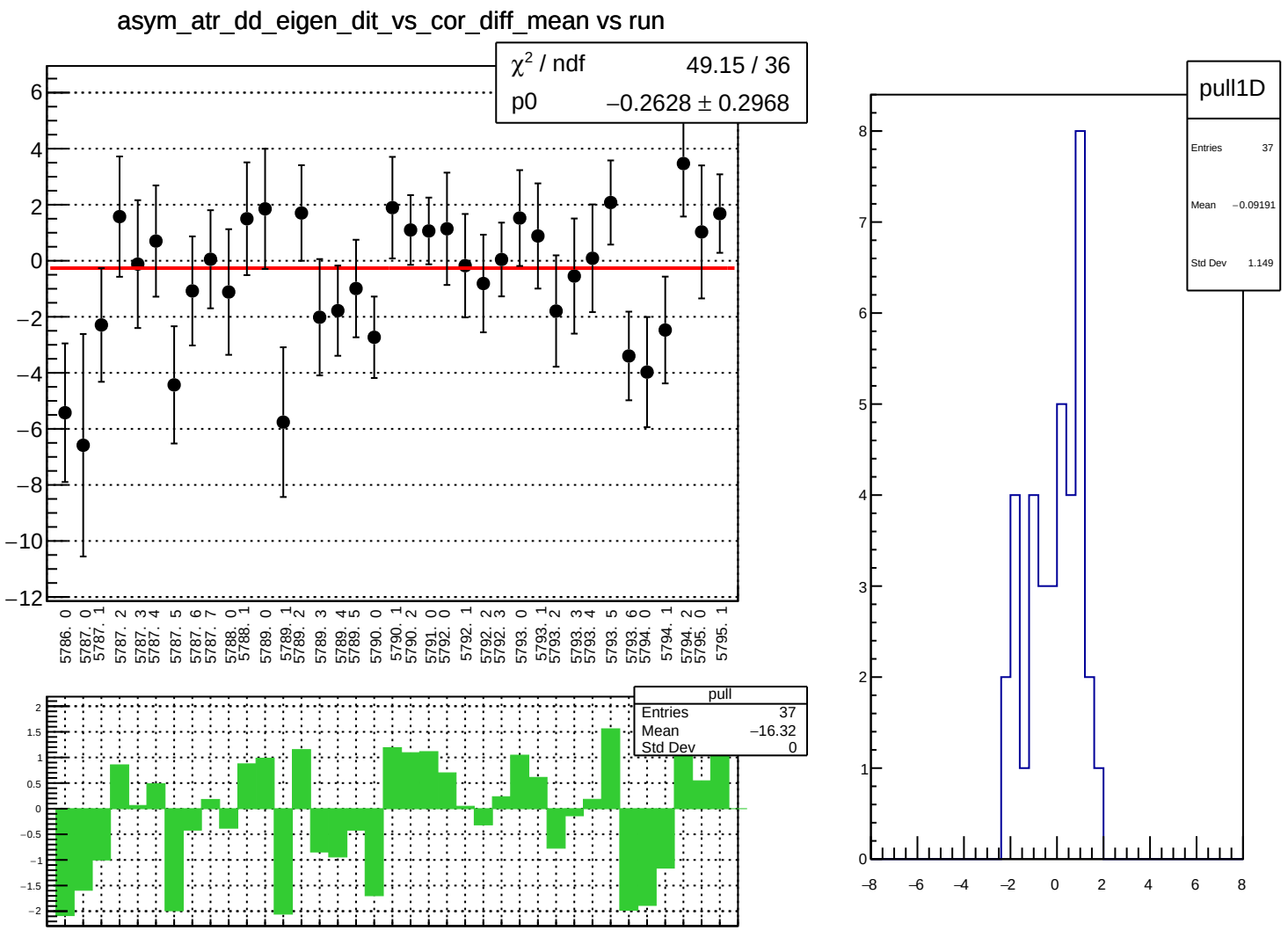


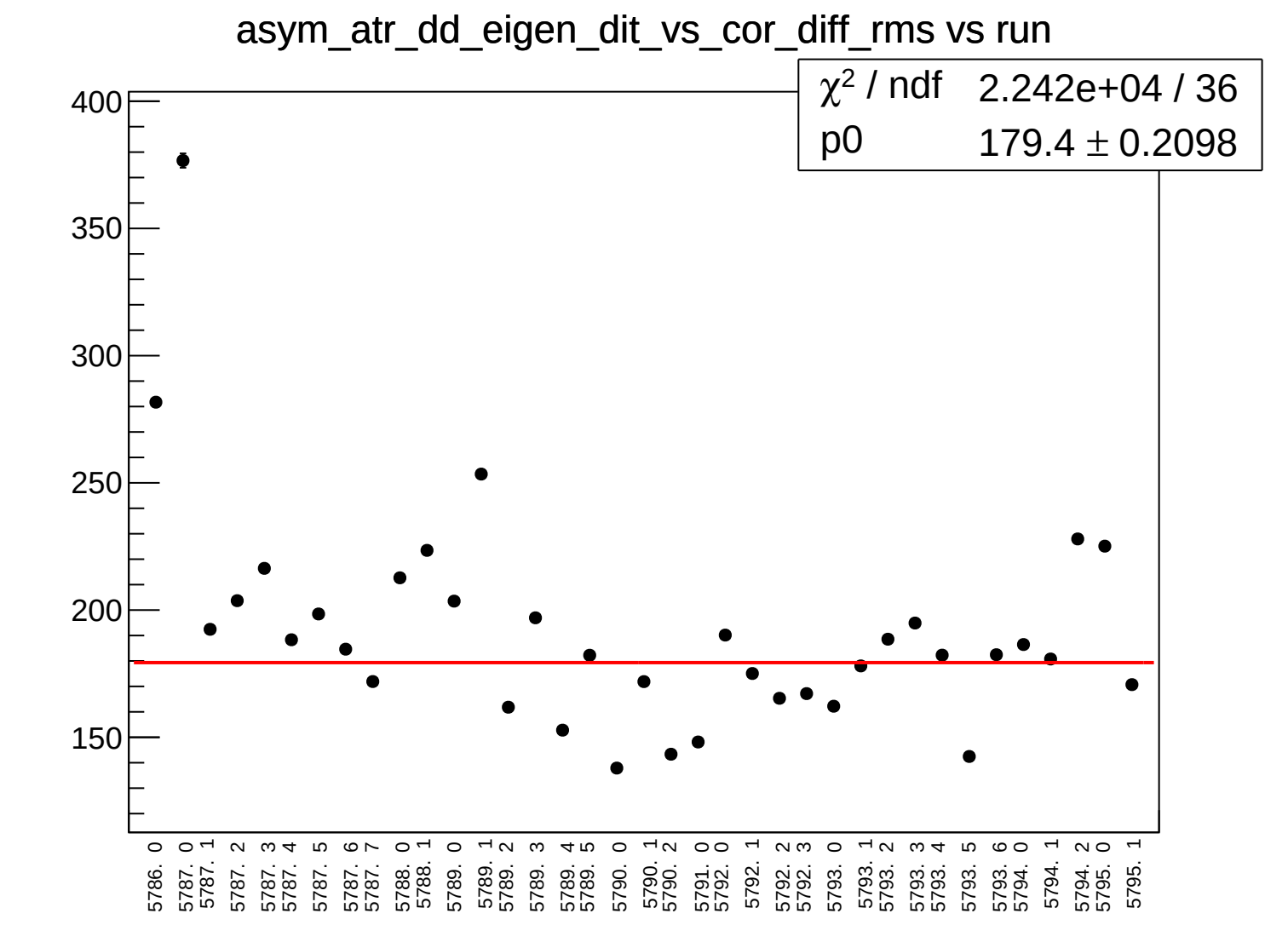

asym_atr_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.242e+04 / 36
p0 179.4 ± 0.2098
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.68 / 36
p0 −2.521e−05 ± 1.806e−05
pull
Entries 37
Mean −47.46
Std Dev 0

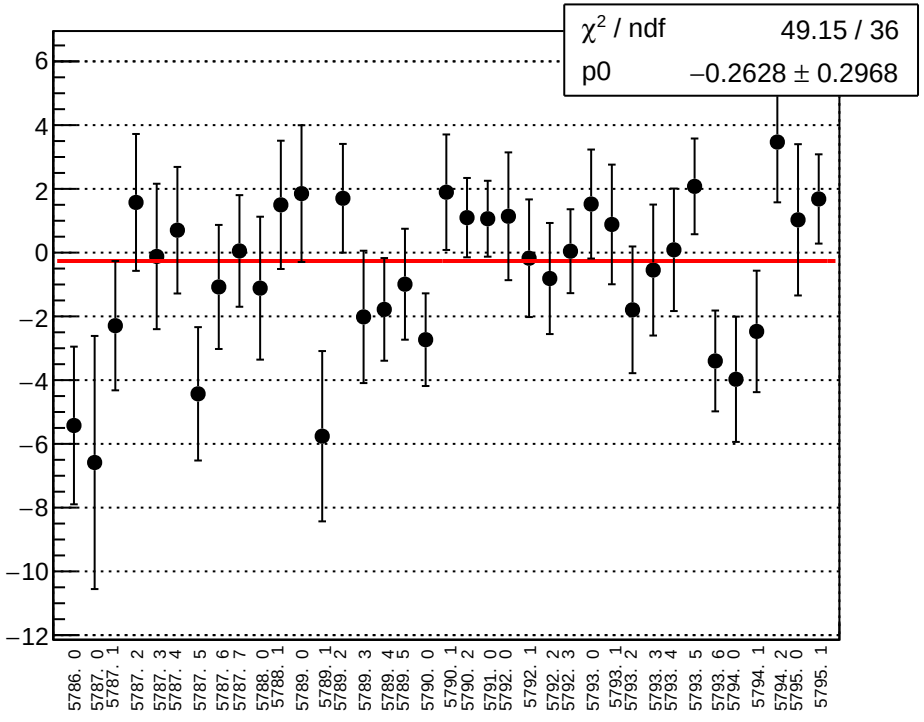

pull1D
Entries 37
Mean −0.007716
Std Dev 1.074

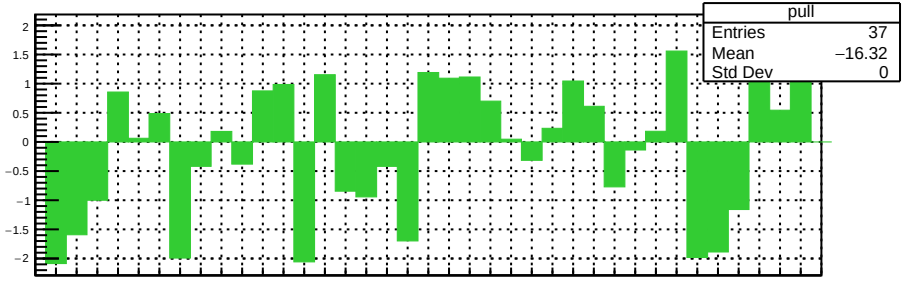

asym_atr_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3821 / 36
p0 0.01105 ± 1.277e–05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

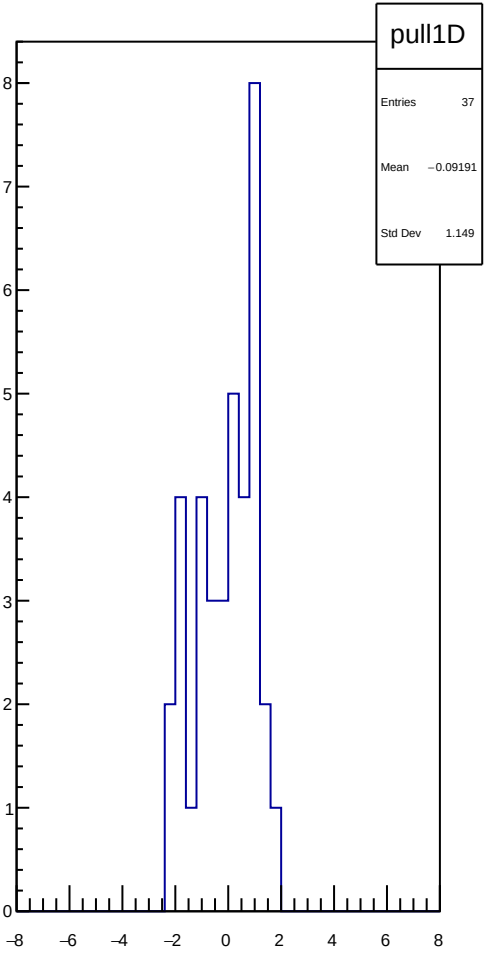

asym_atr_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.15 / 36
p0 −0.2628 ± 0.2968
pull
Entries 37
Mean −16.32
Std Dev 0
pull1D
Entries 37
Mean −0.09191
Std Dev 1.149

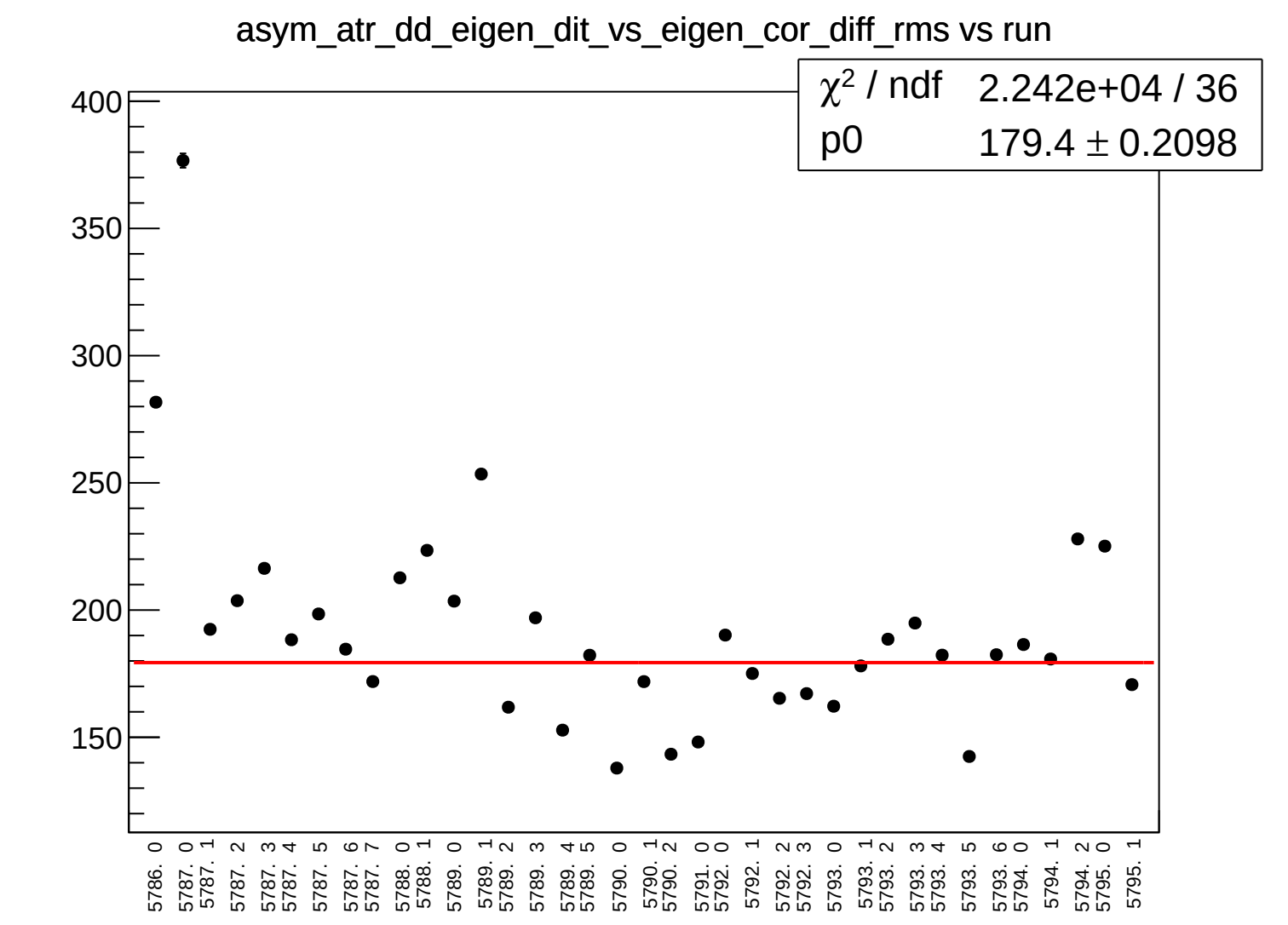

asym_atr_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.242e+04 / 36
p0 179.4 ± 0.2098
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

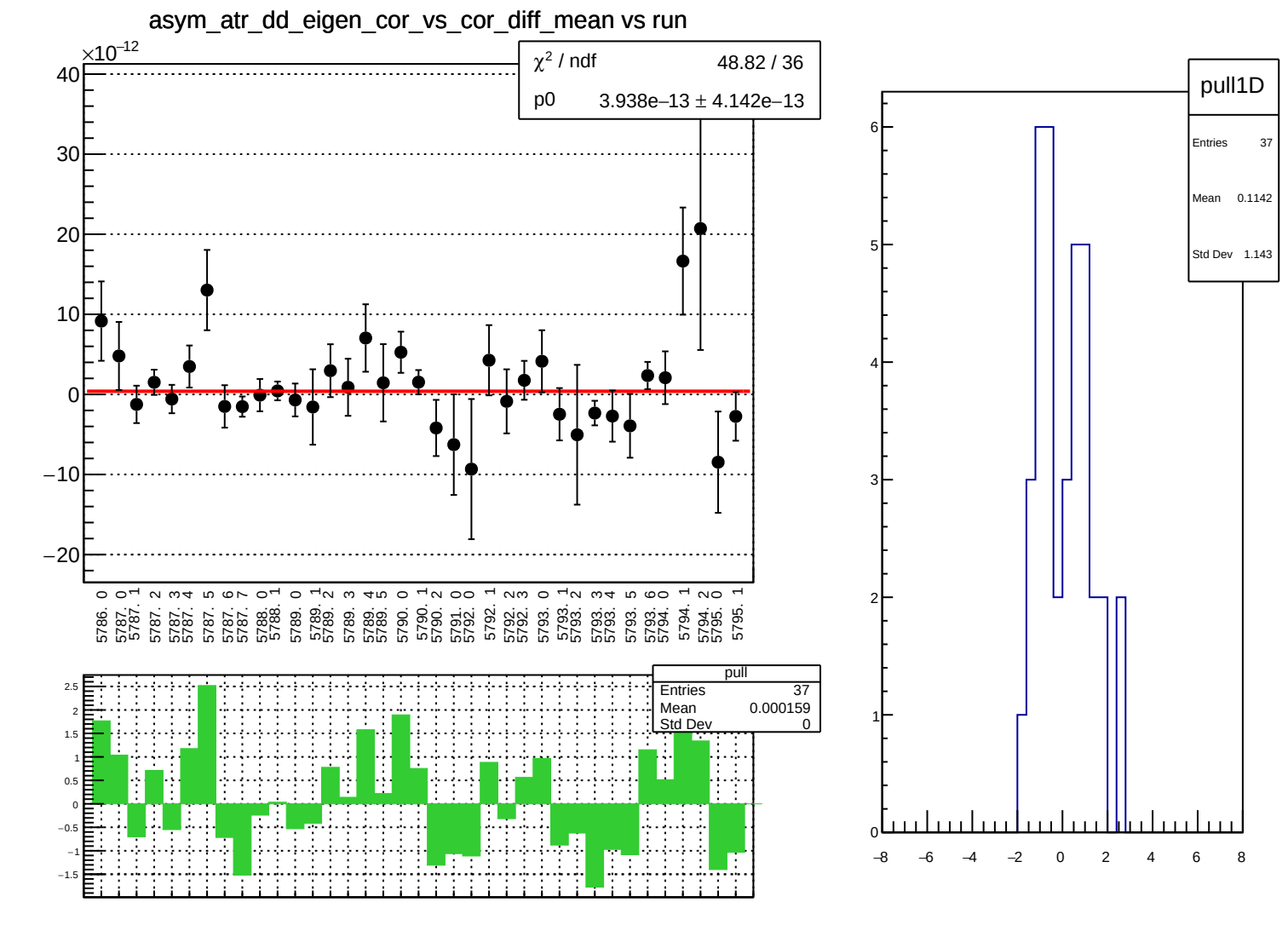
asym_atr_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

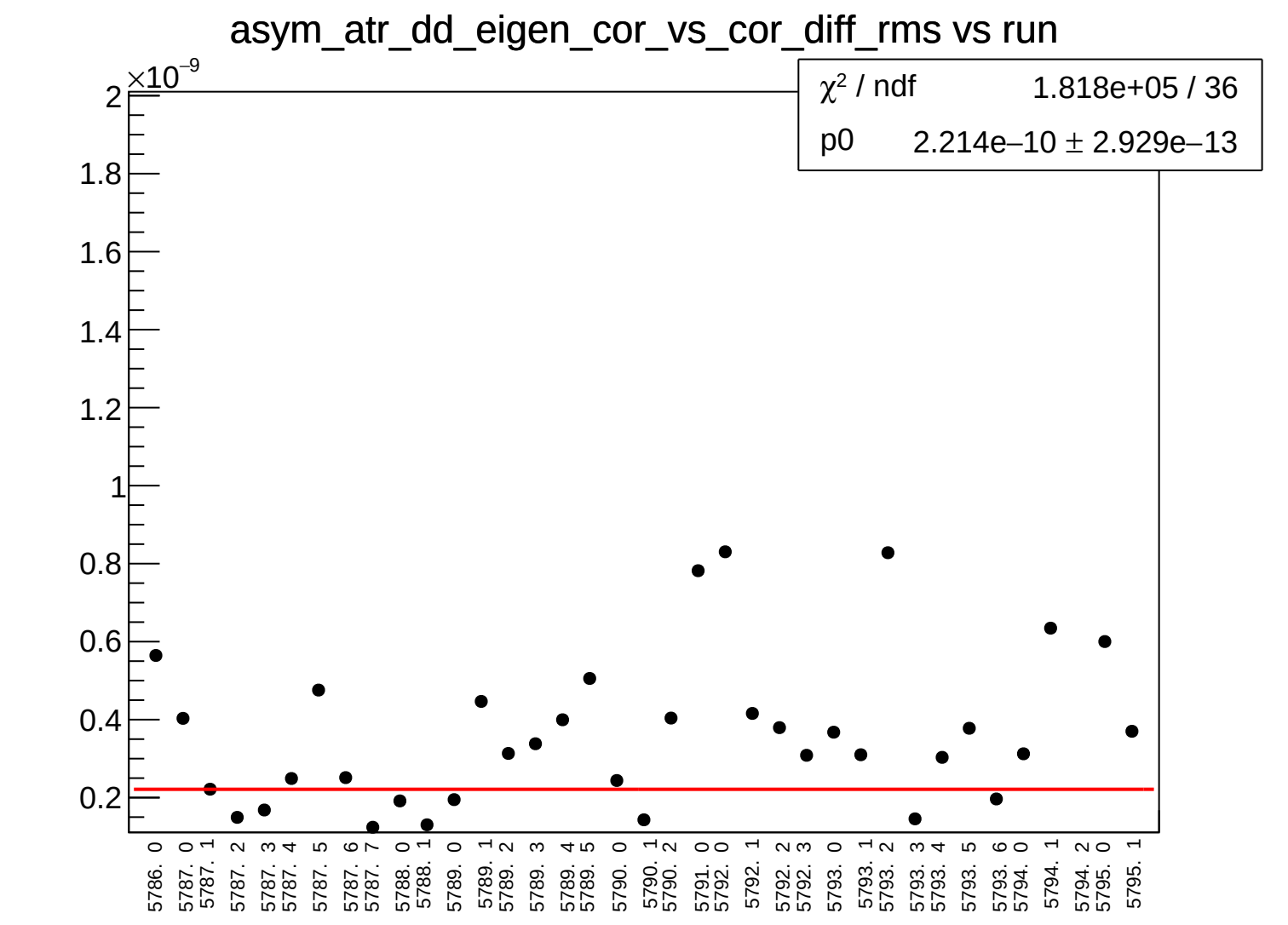


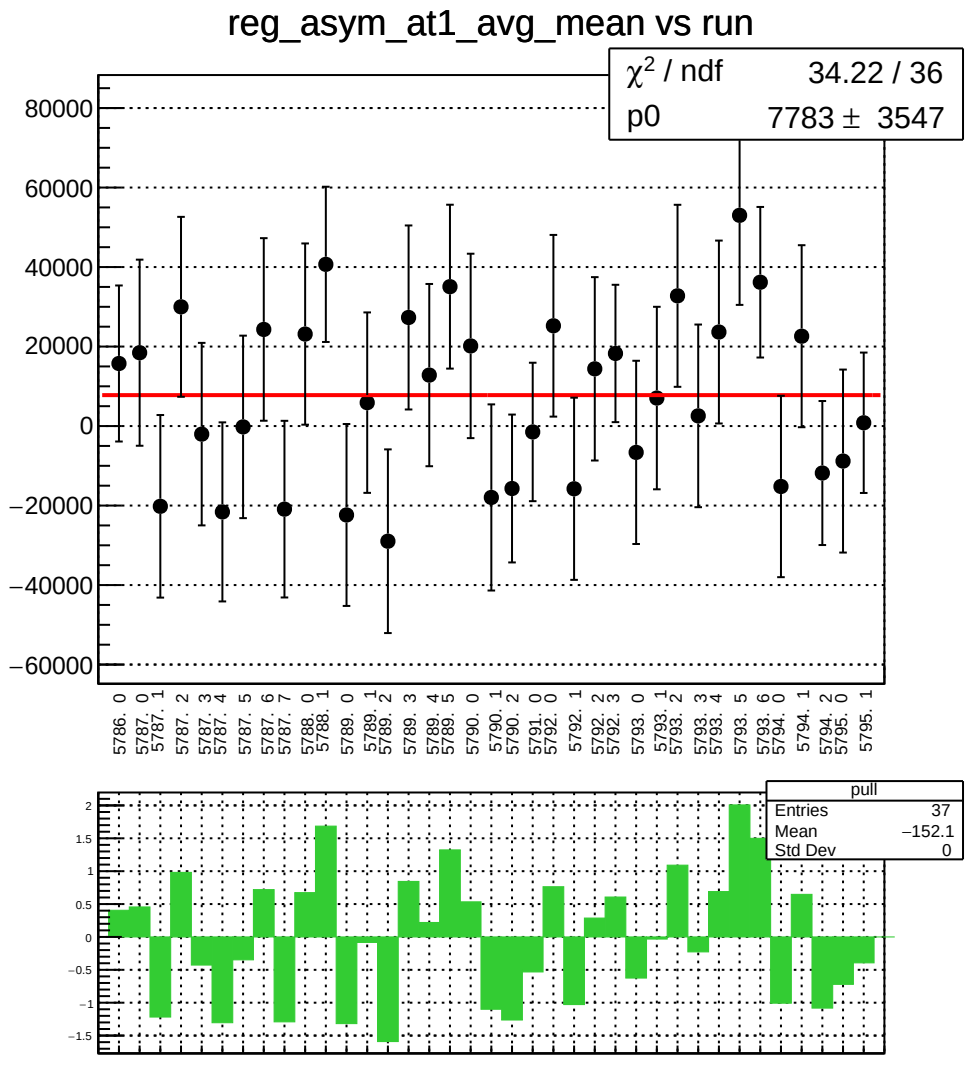


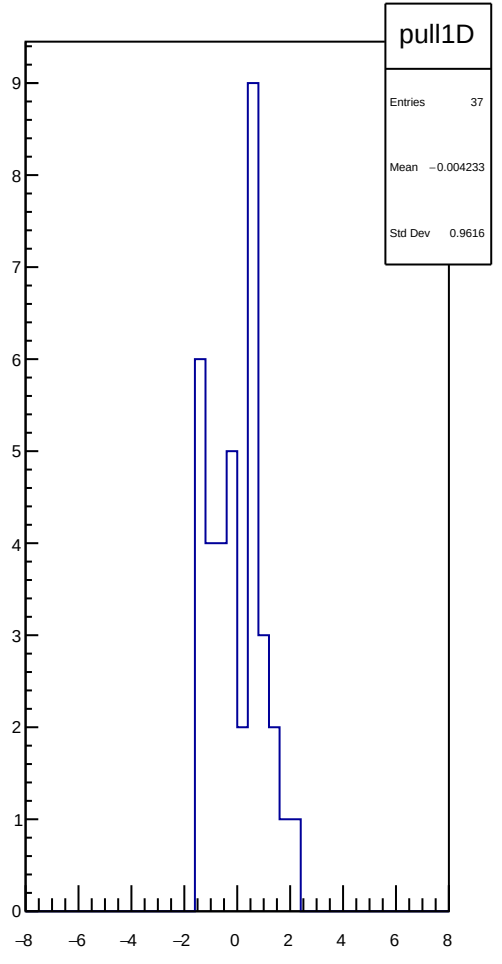


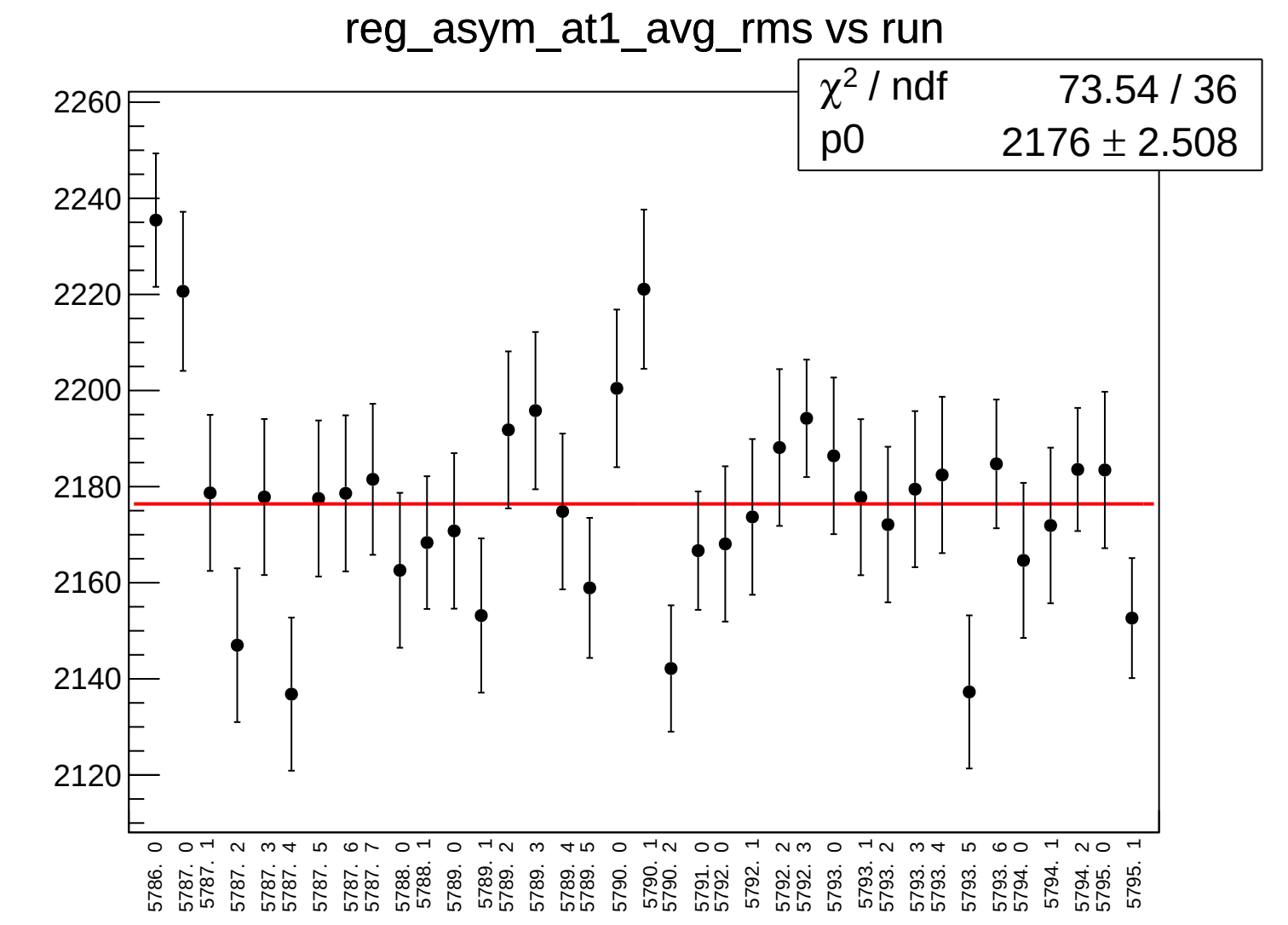

asym_atr_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.242e+04 / 36
p0 179.4 ± 0.2098
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

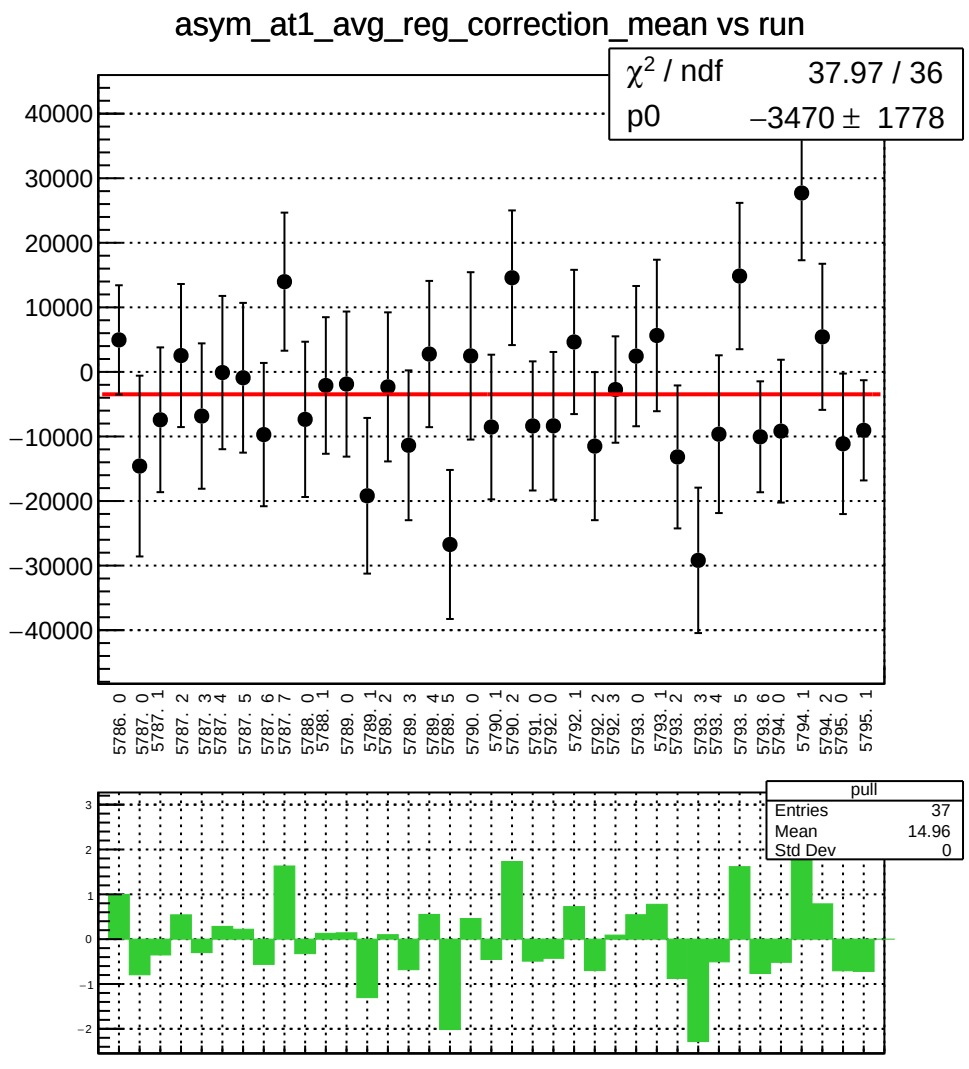

asym_atr_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.82 / 36
p0 3.938e−13 ± 4.142e−13
40
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.000159
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.1142
Std Dev 1.143
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

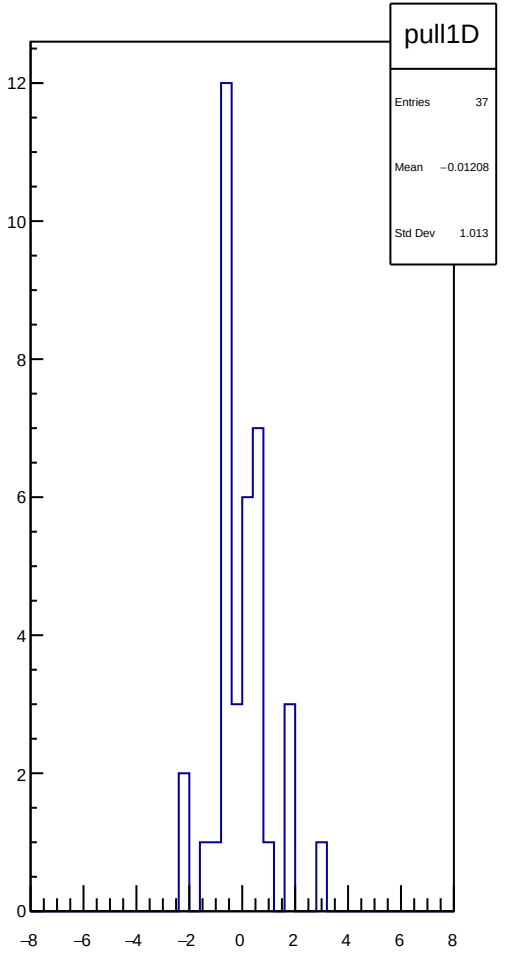

asym_atr_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.818e+05 / 36
p0 2.214e−10 ± 2.929e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

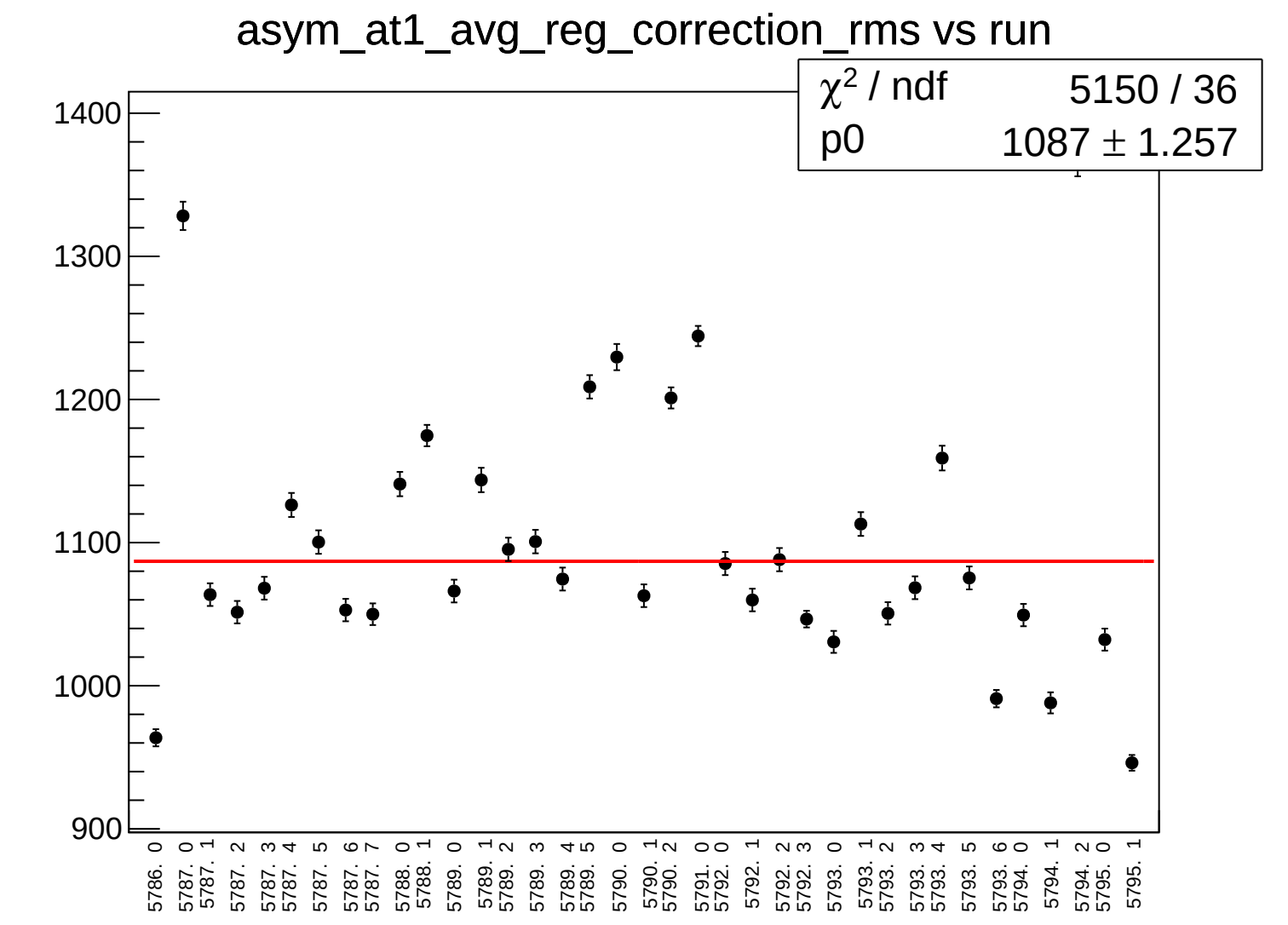

reg_asym_at1_avg_mean vs run
χ² / ndf 34.22 / 36
p0 7783 ± 3547
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −152.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

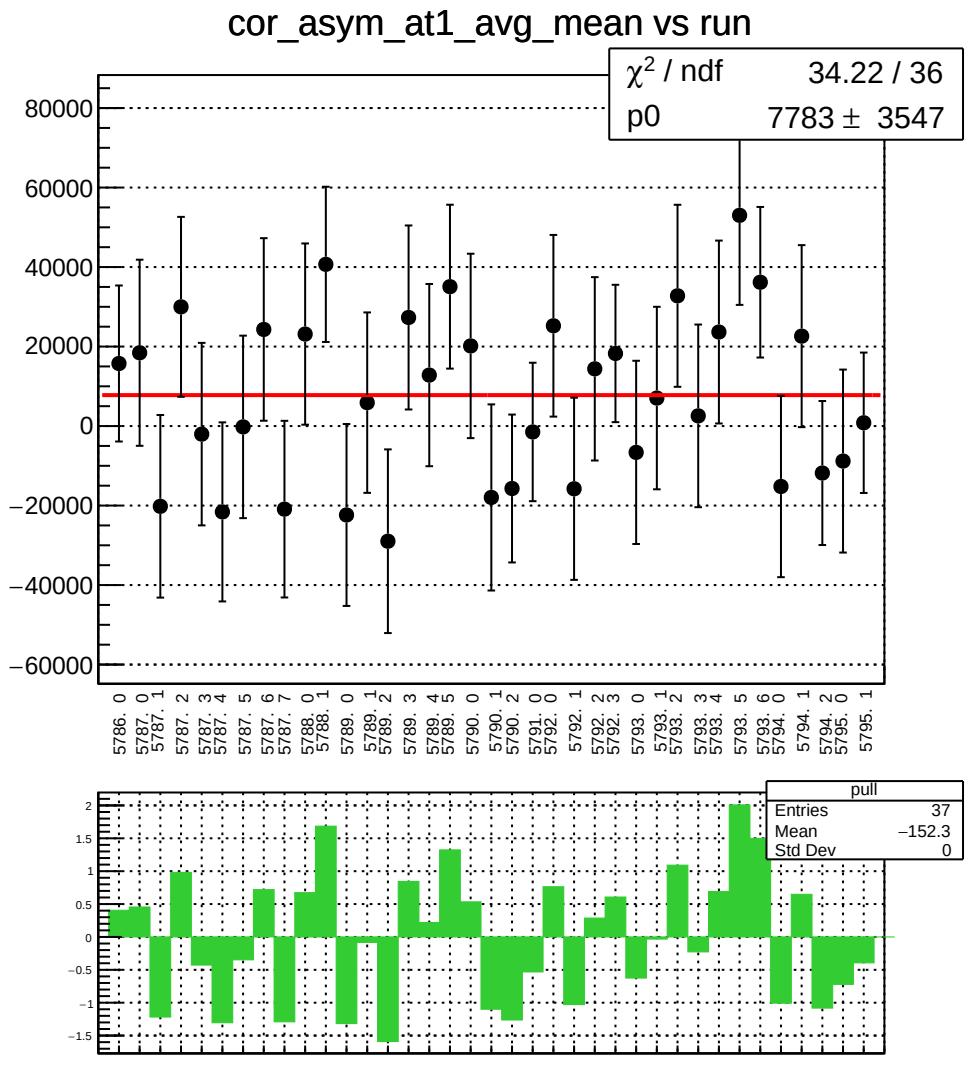

pull1D
Entries 37
Mean −0.004233
Std Dev 0.9616
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

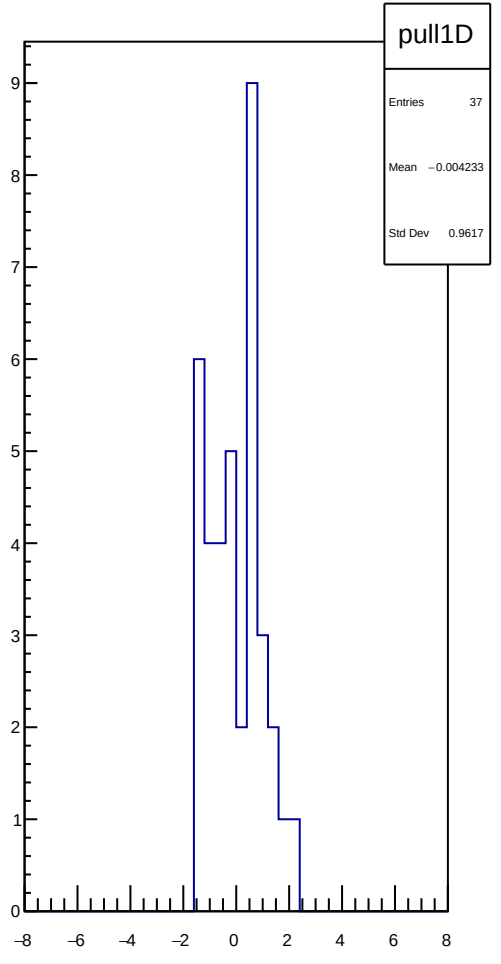

reg_asym_at1_avg_rms vs run
χ² / ndf 73.54 / 36
p0 2176 ± 2.508
2260
2240
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

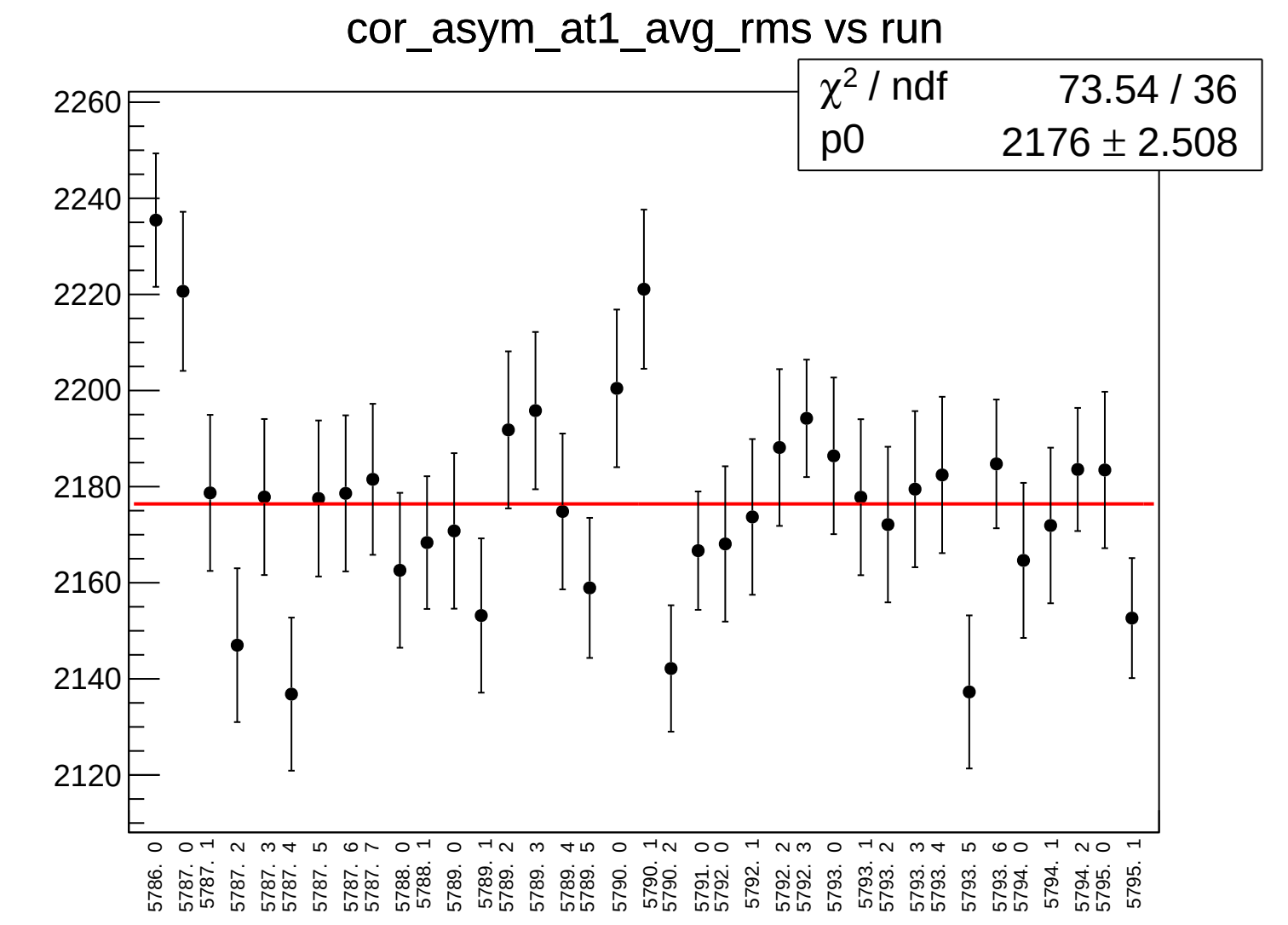

asym_at1_avg_reg_correction_mean vs run
χ² / ndf 37.97 / 36
p0 −3470 ± 1778
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.96
Std Dev 0
3
2
1
0
−1
−2

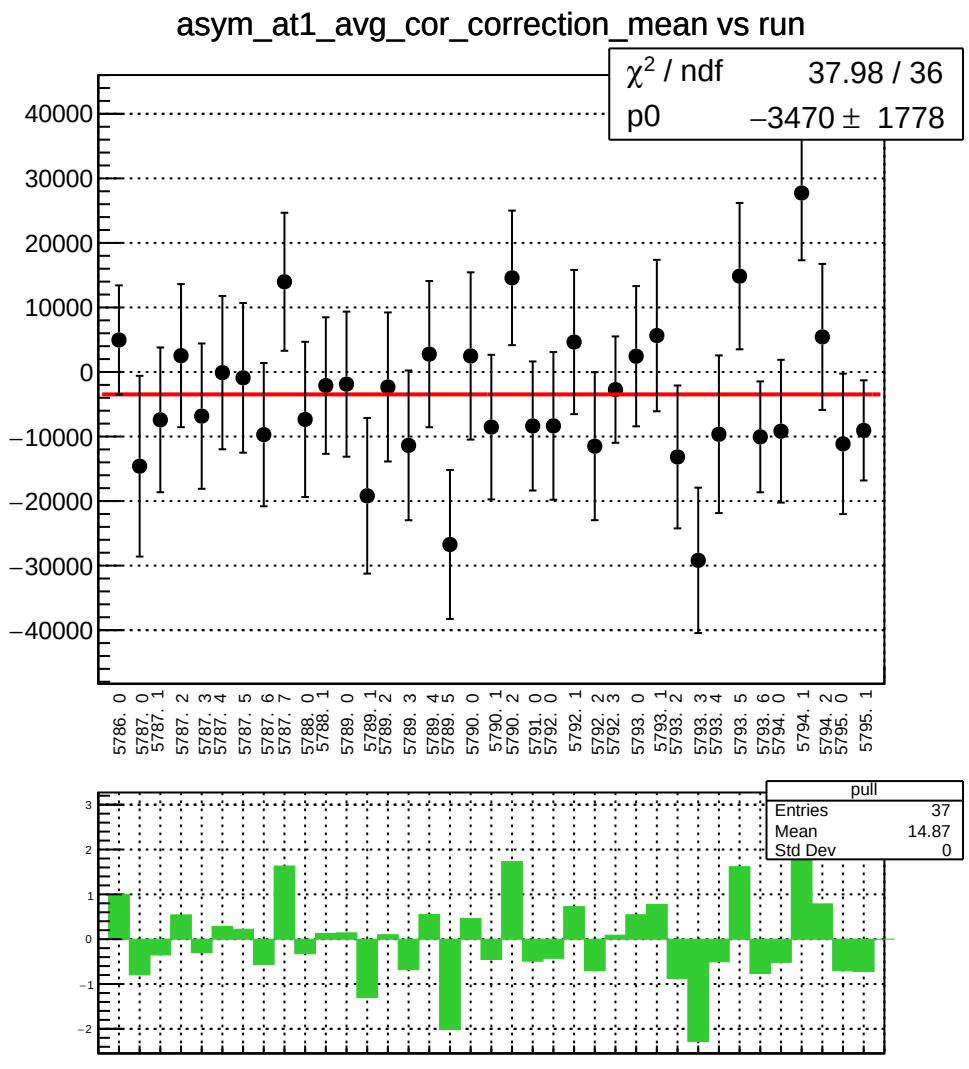

pull1D
Entries 37
Mean −0.01208
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

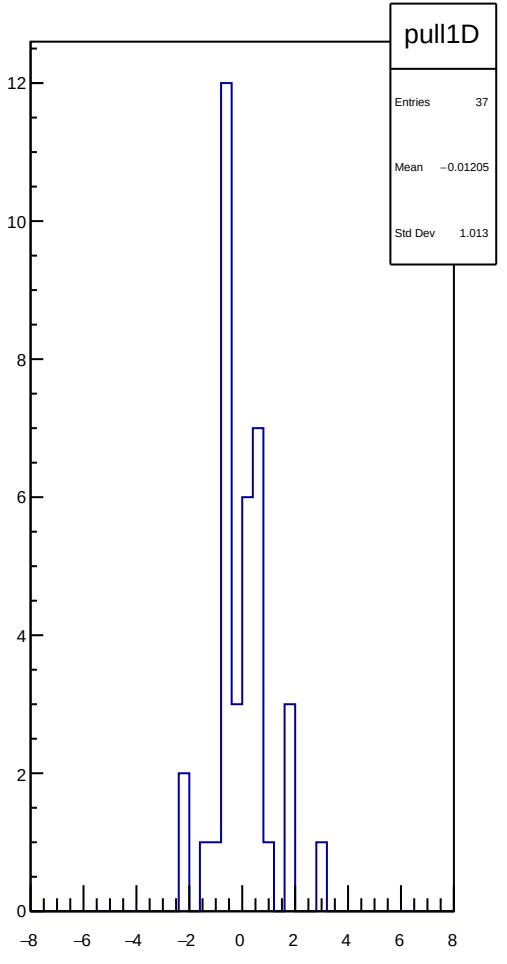

asym_at1_avg_reg_correction_rms vs run
χ² / ndf 5150 / 36
p0 1087 ± 1.257
1400
1300
1200
1100
1000
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

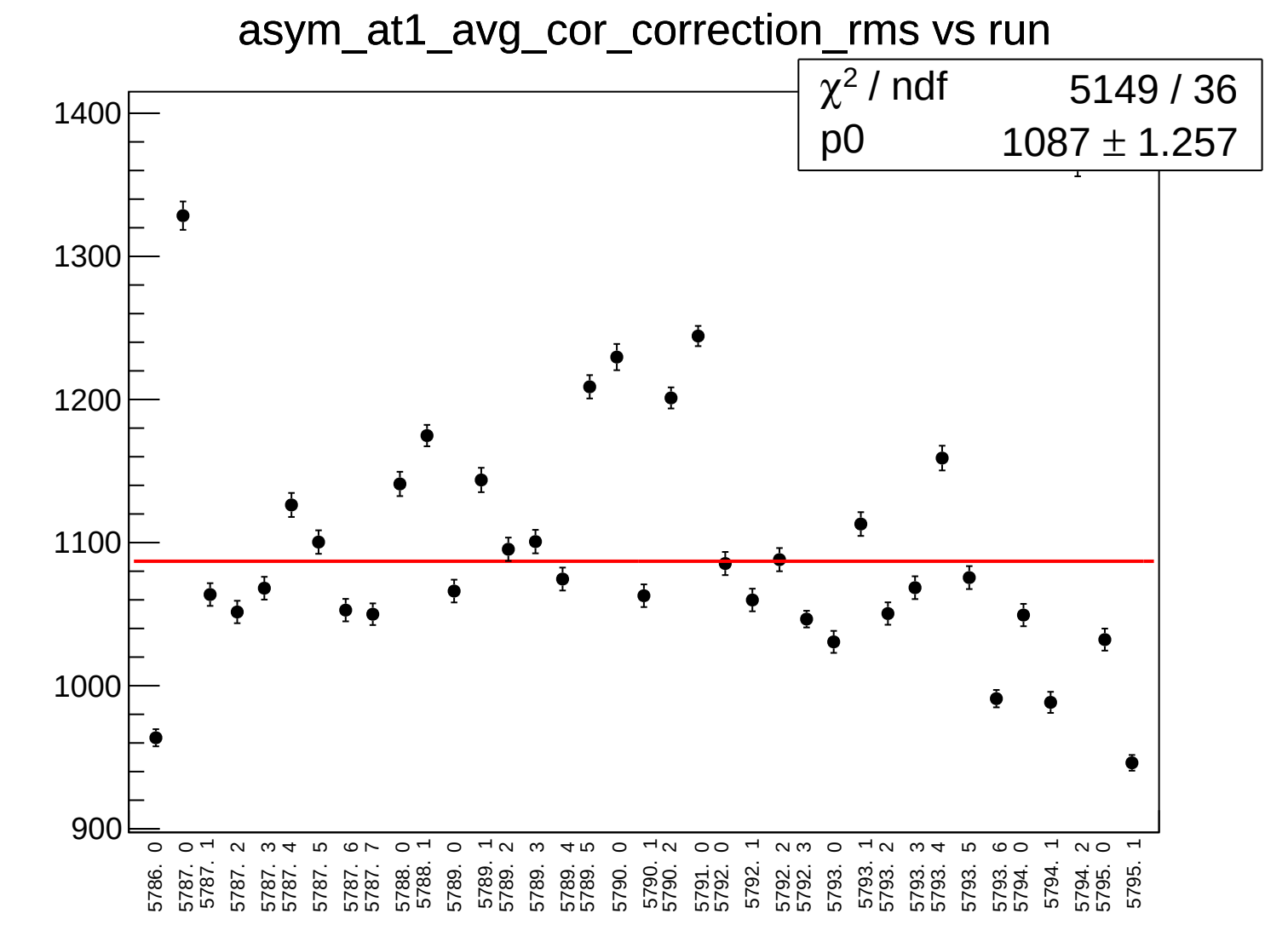

cor_asym_at1_avg_mean vs run
χ² / ndf 34.22 / 36
p0 7783 ± 3547
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −152.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

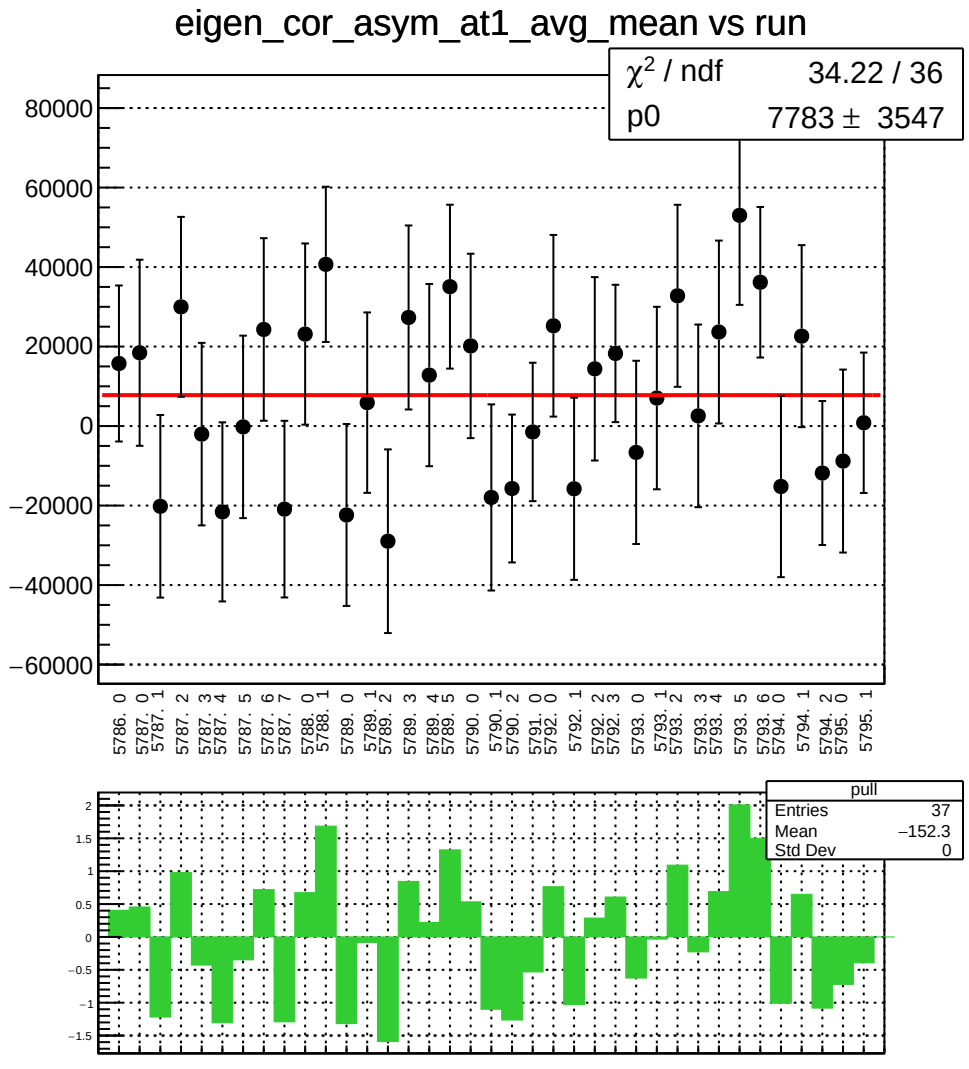

pull1D
Entries 37
Mean −0.004233
Std Dev 0.9617
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

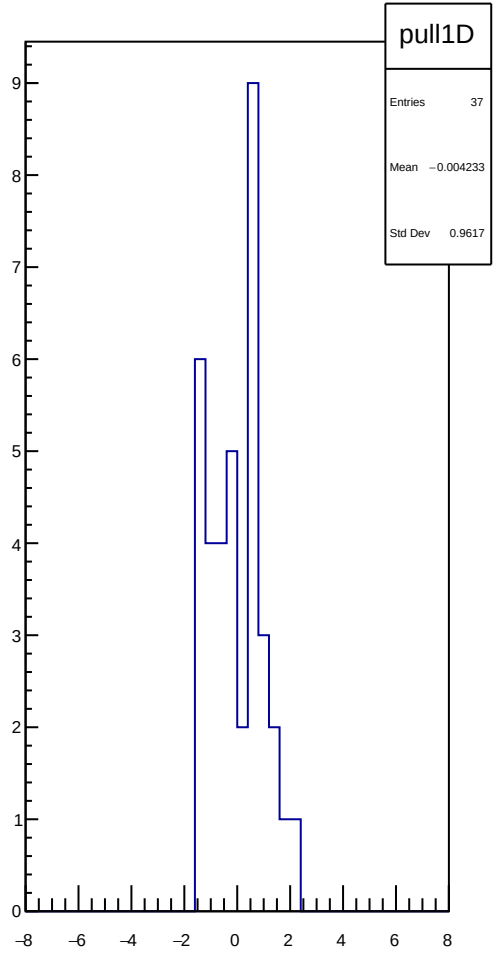

cor_asym_at1_avg_rms vs run
χ² / ndf 73.54 / 36
p0 2176 ± 2.508
2260
2240
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

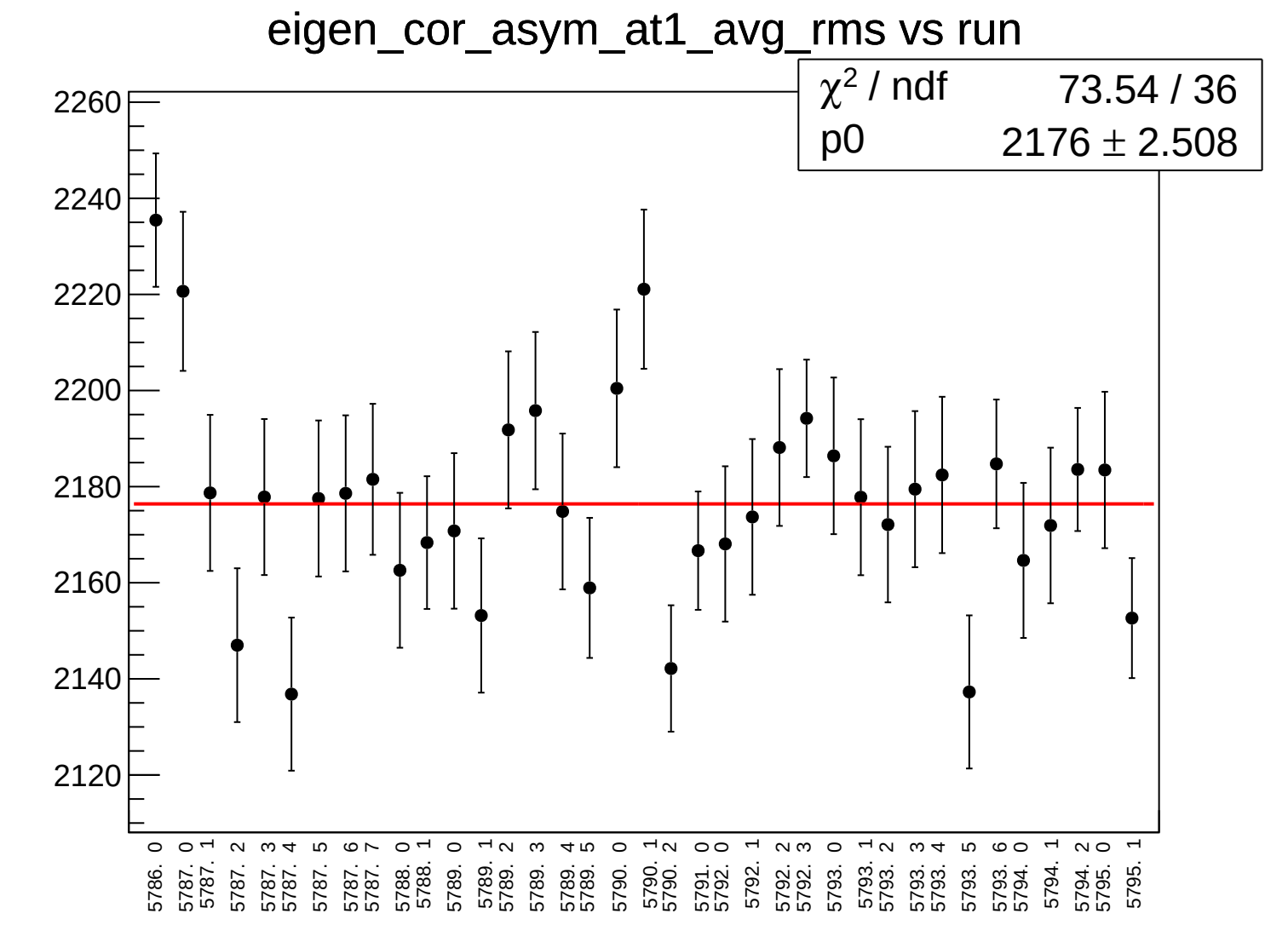

asym_at1_avg_cor_correction_mean vs run
χ² / ndf 37.98 / 36
p0 −3470 ± 1778
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.87
Std Dev 0
3
2
1
0
−1
−2

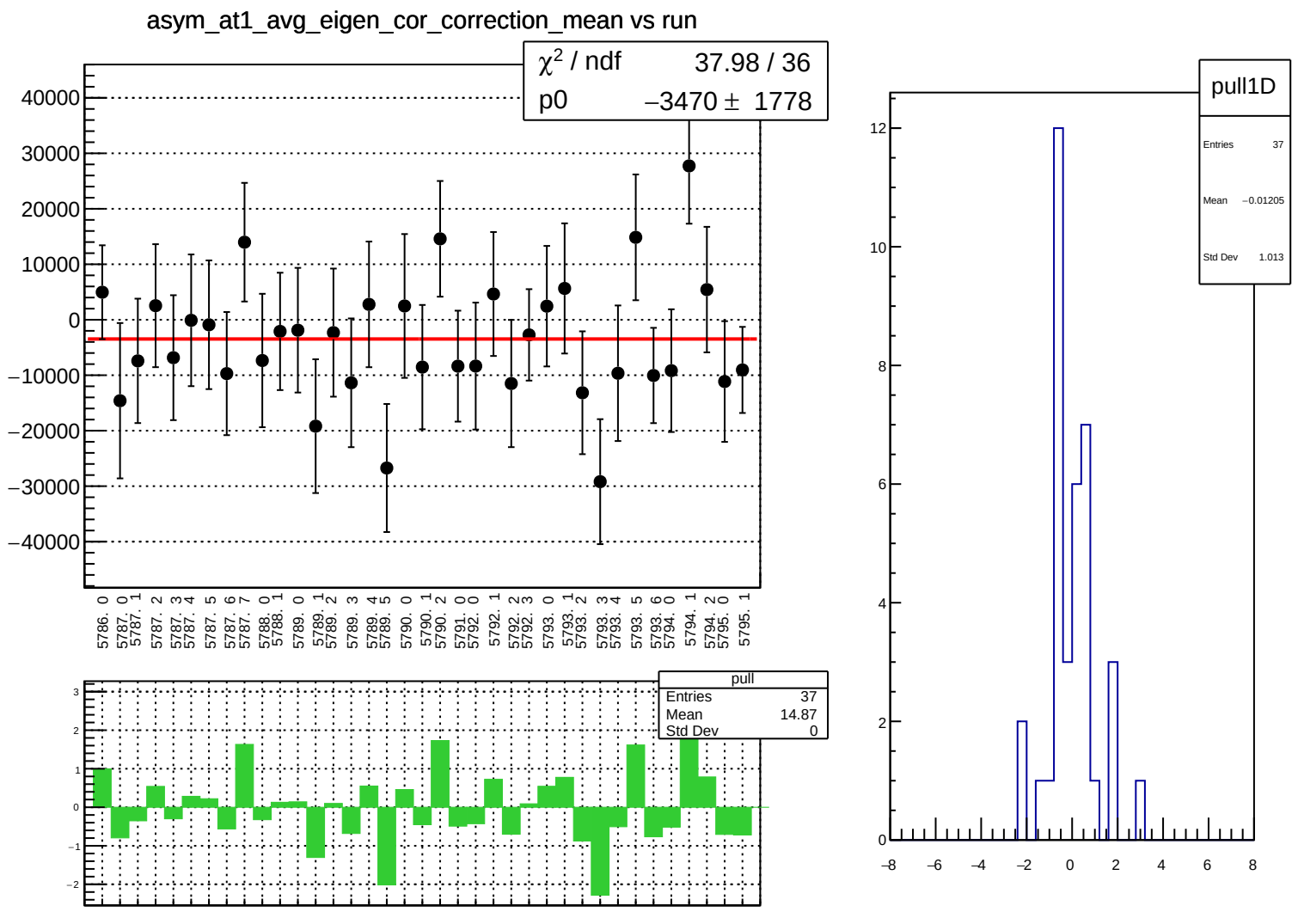

pull1D
Entries 37
Mean −0.01205
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

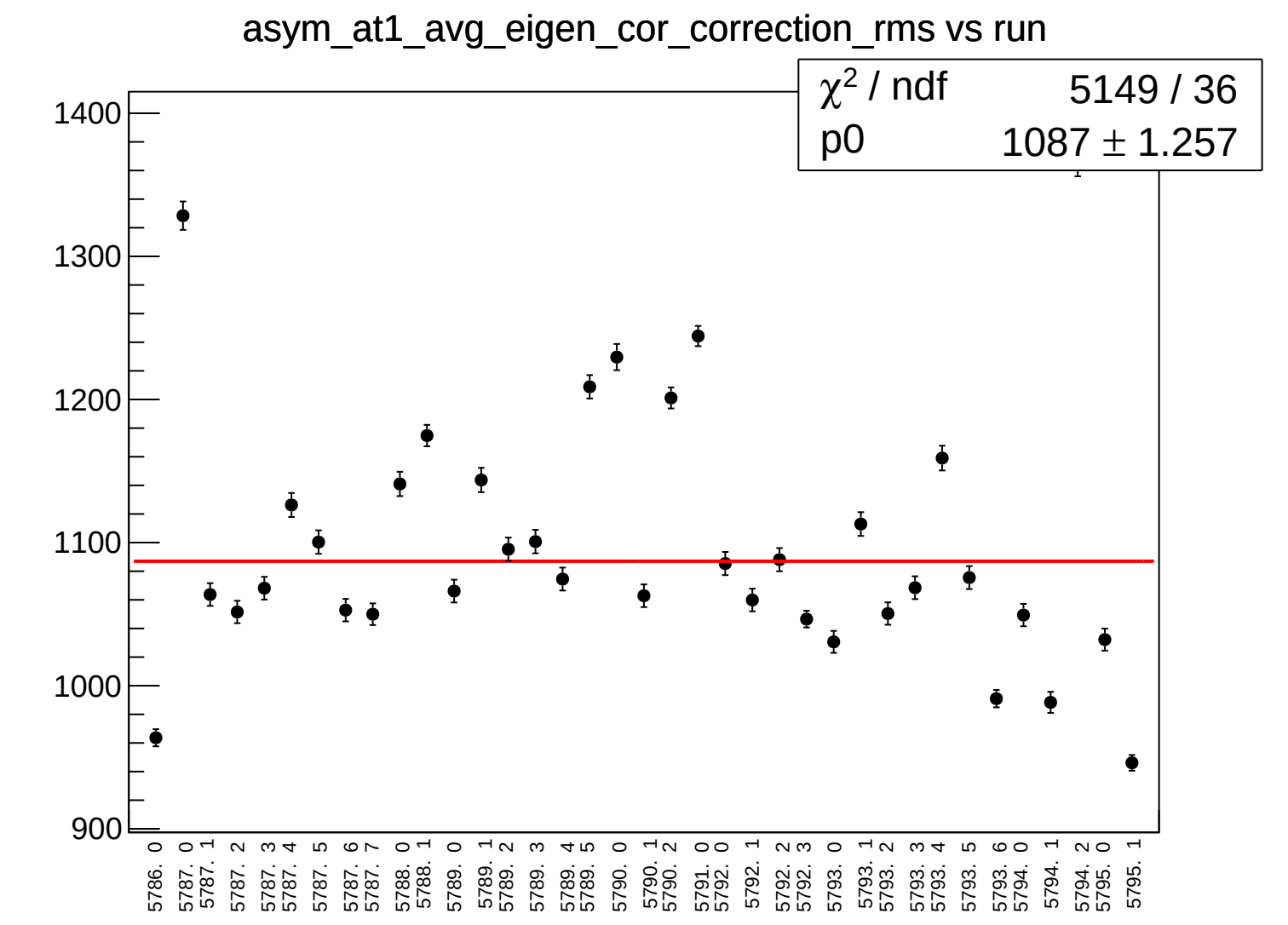

asym_at1_avg_cor_correction_rms vs run
χ² / ndf 5149 / 36
p0 1087 ± 1.257
1400
1300
1200
1100
1000
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_at1_avg_mean vs run
χ² / ndf 34.22 / 36
p0 7783 ± 3547
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −152.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.004233
Std Dev 0.9617
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at1_avg_rms vs run
χ² / ndf 73.54 / 36
p0 2176 ± 2.508
2260
2240
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.98 / 36
p0 −3470 ± 1778
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.87
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01205
Std Dev 1.013
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_eigen_cor_correction_rms vs run
χ² / ndf 5149 / 36
p0 1087 ± 1.257
1400
1300
1200
1100
1000
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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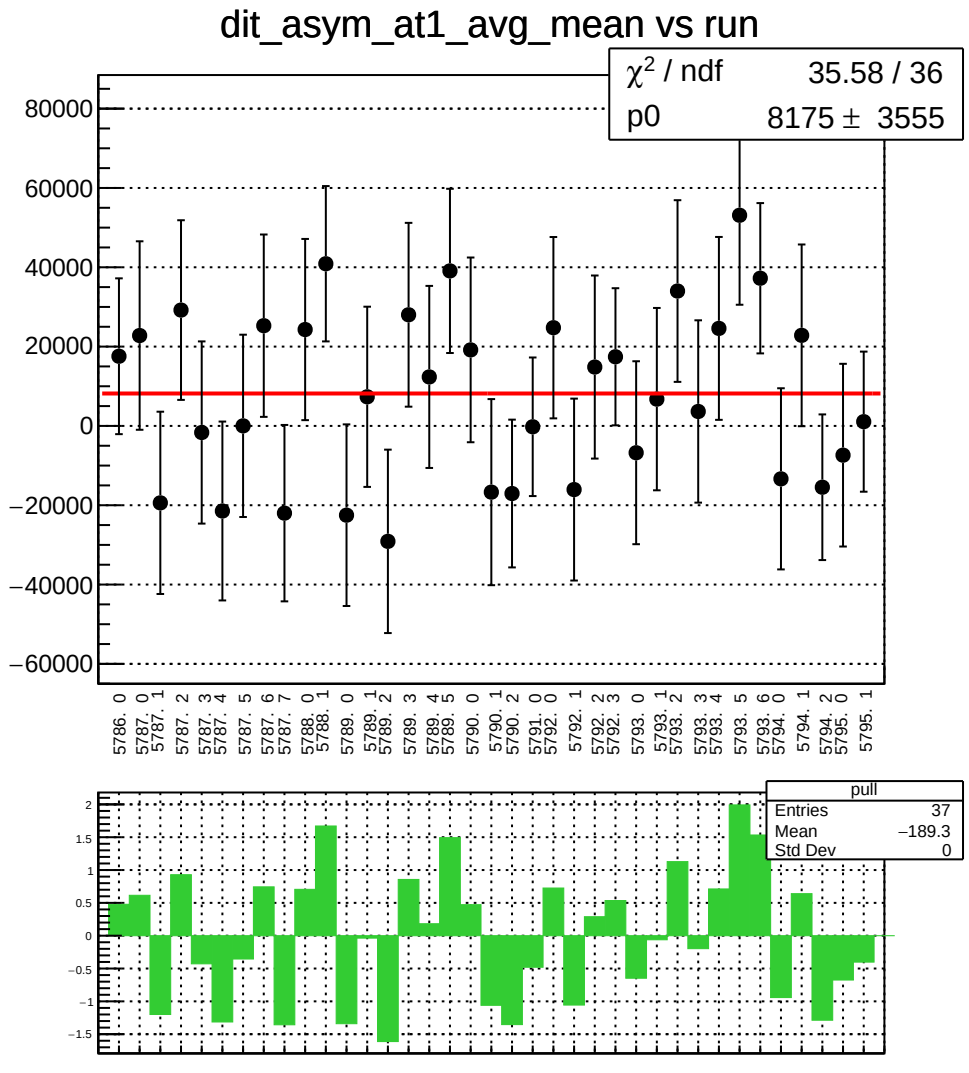
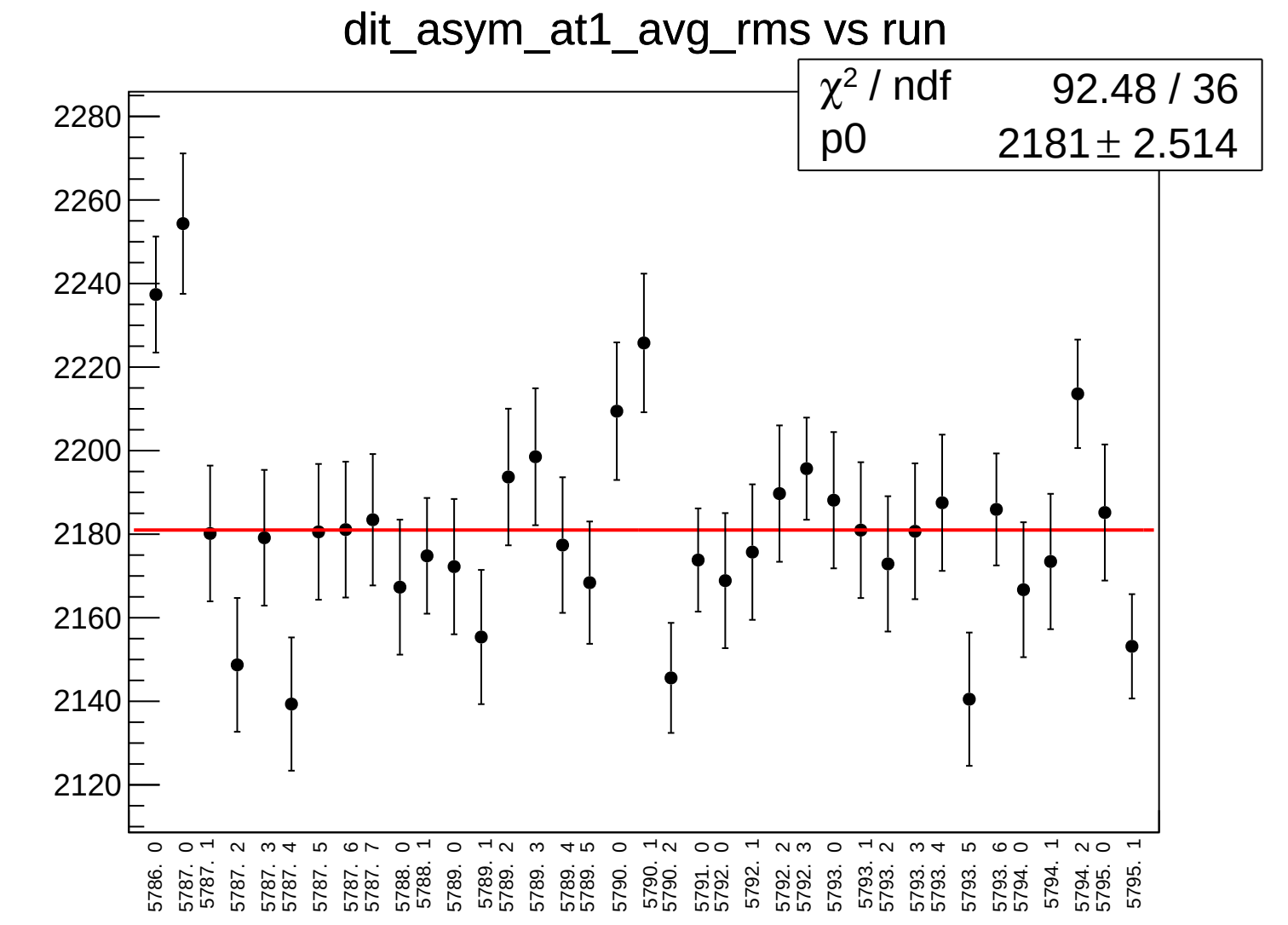
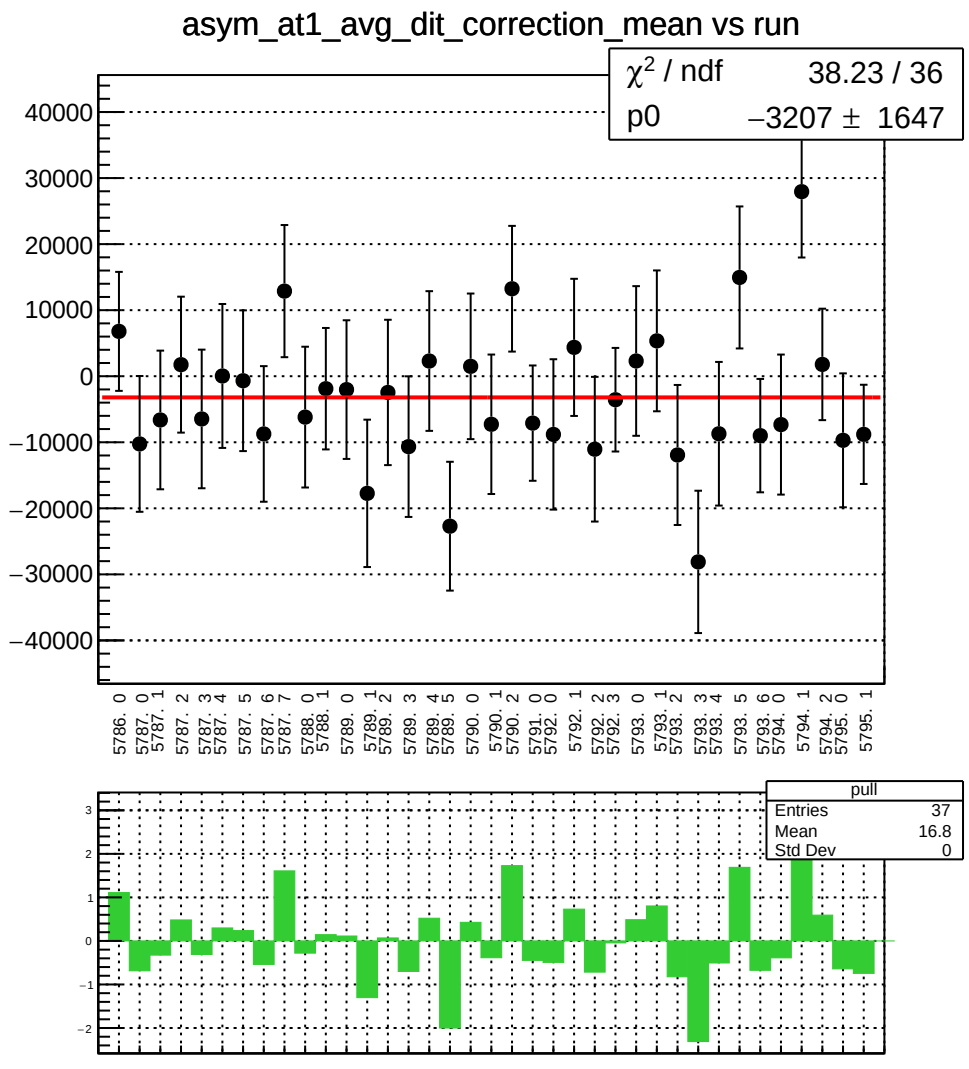
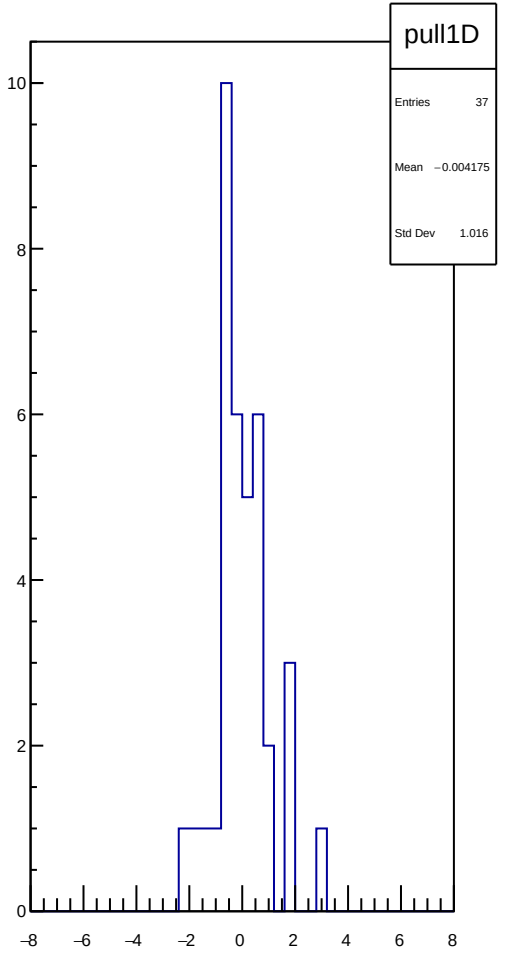
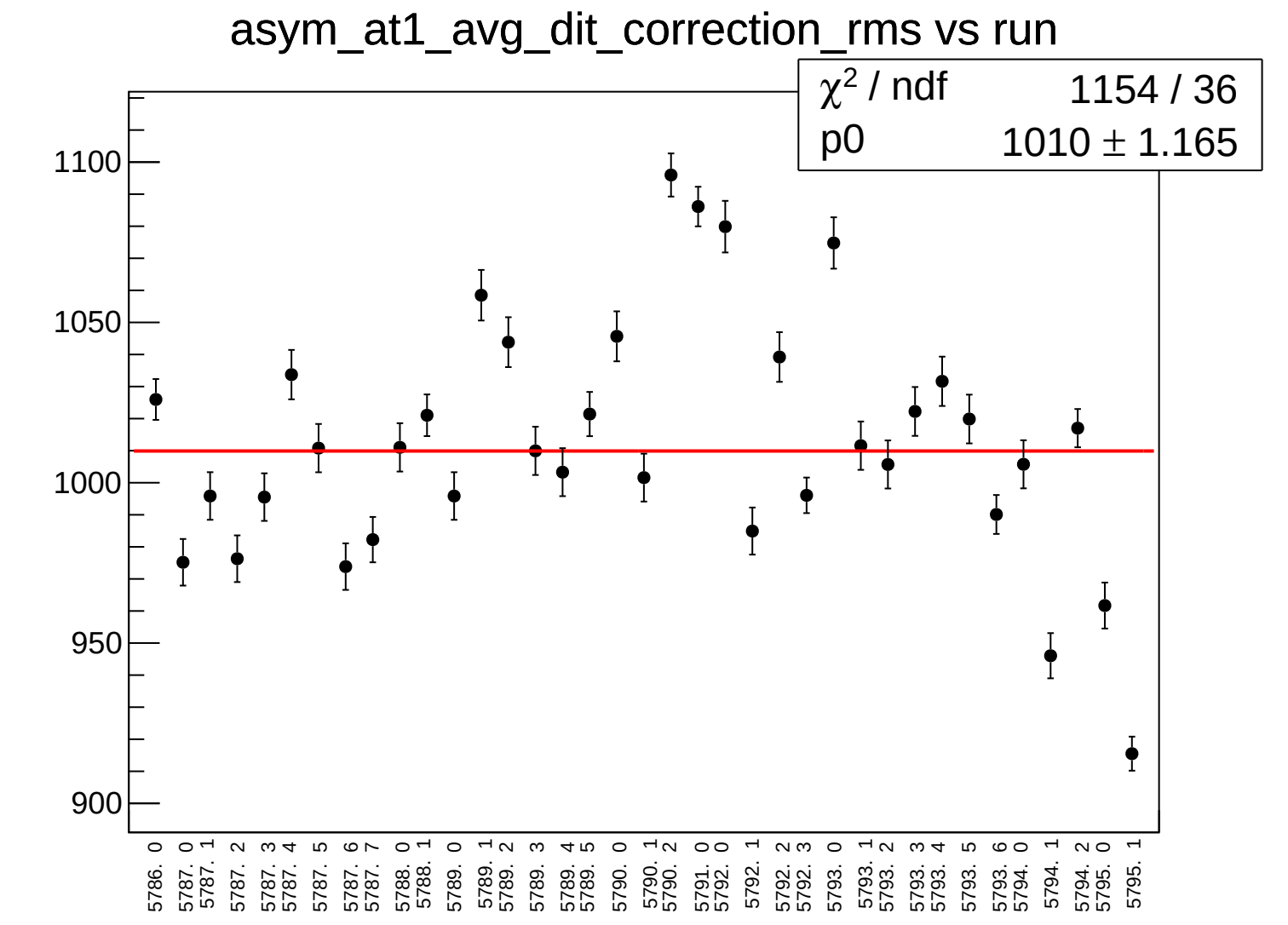
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_at1_avg_mean vs run
χ² / ndf 35.58 / 36
p0 8175 ± 3555
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −189.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.002816
Std Dev 0.9806
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_at1_avg_rms vs run
χ² / ndf 92.48 / 36
p0 2181 ± 2.514
2280
2260
2240
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_avg_dit_correction_mean vs run
χ² / ndf 38.23 / 36
p0 −3207 ± 1647
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.8
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.004175
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_avg_dit_correction_rms vs run
χ² / ndf 1154 / 36
p0 1010 ± 1.165
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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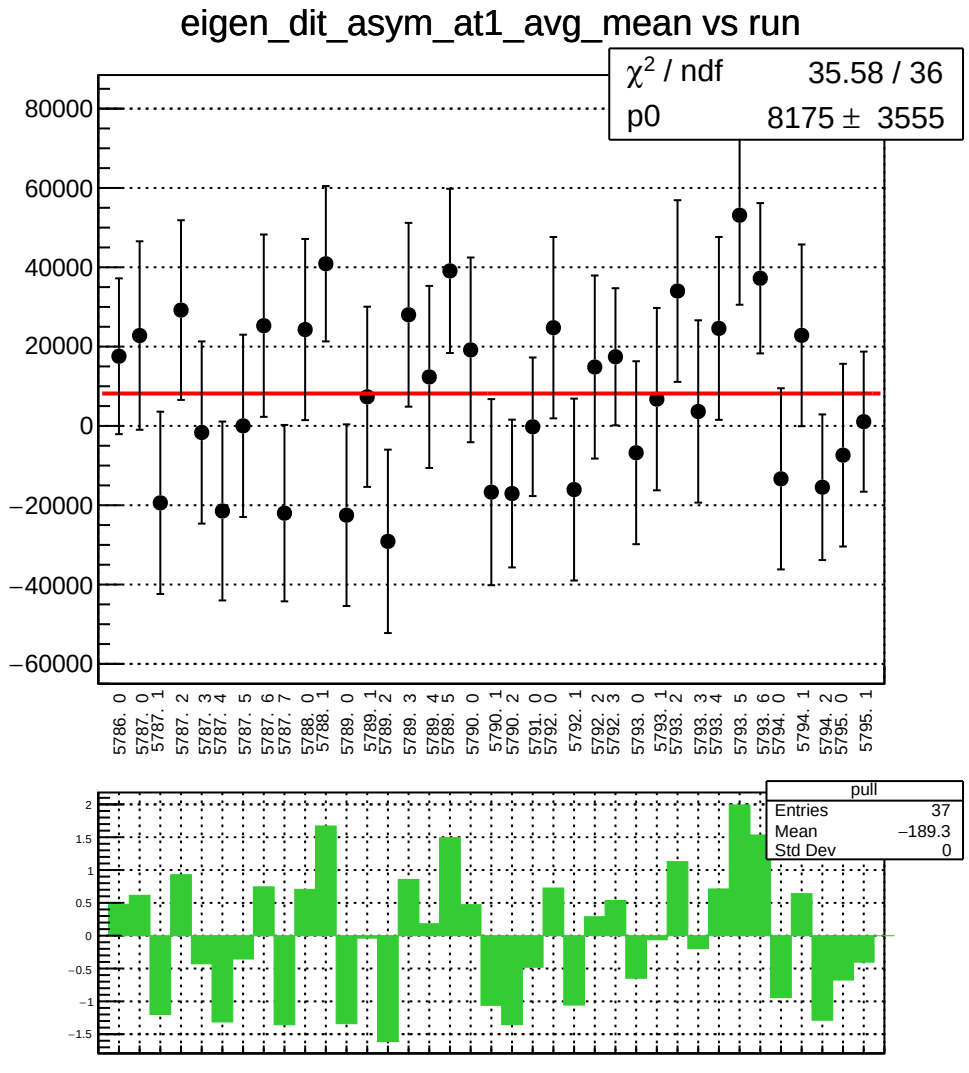
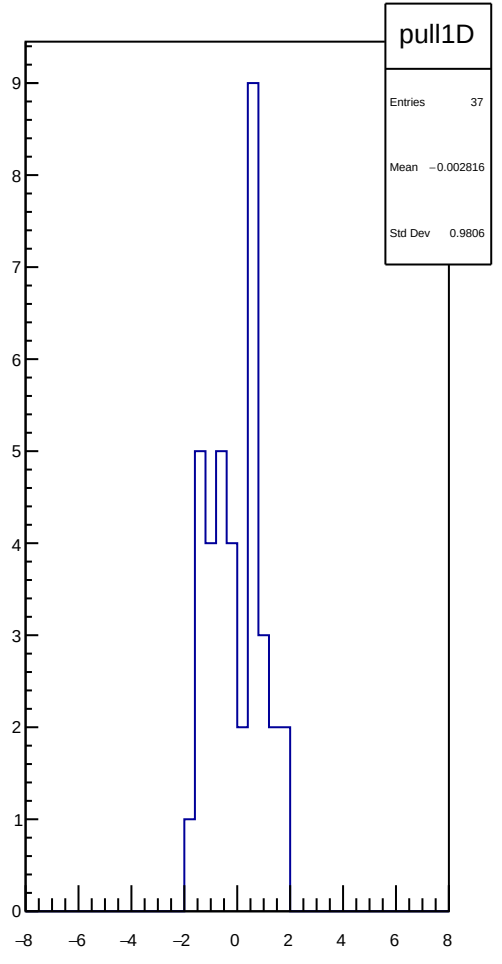
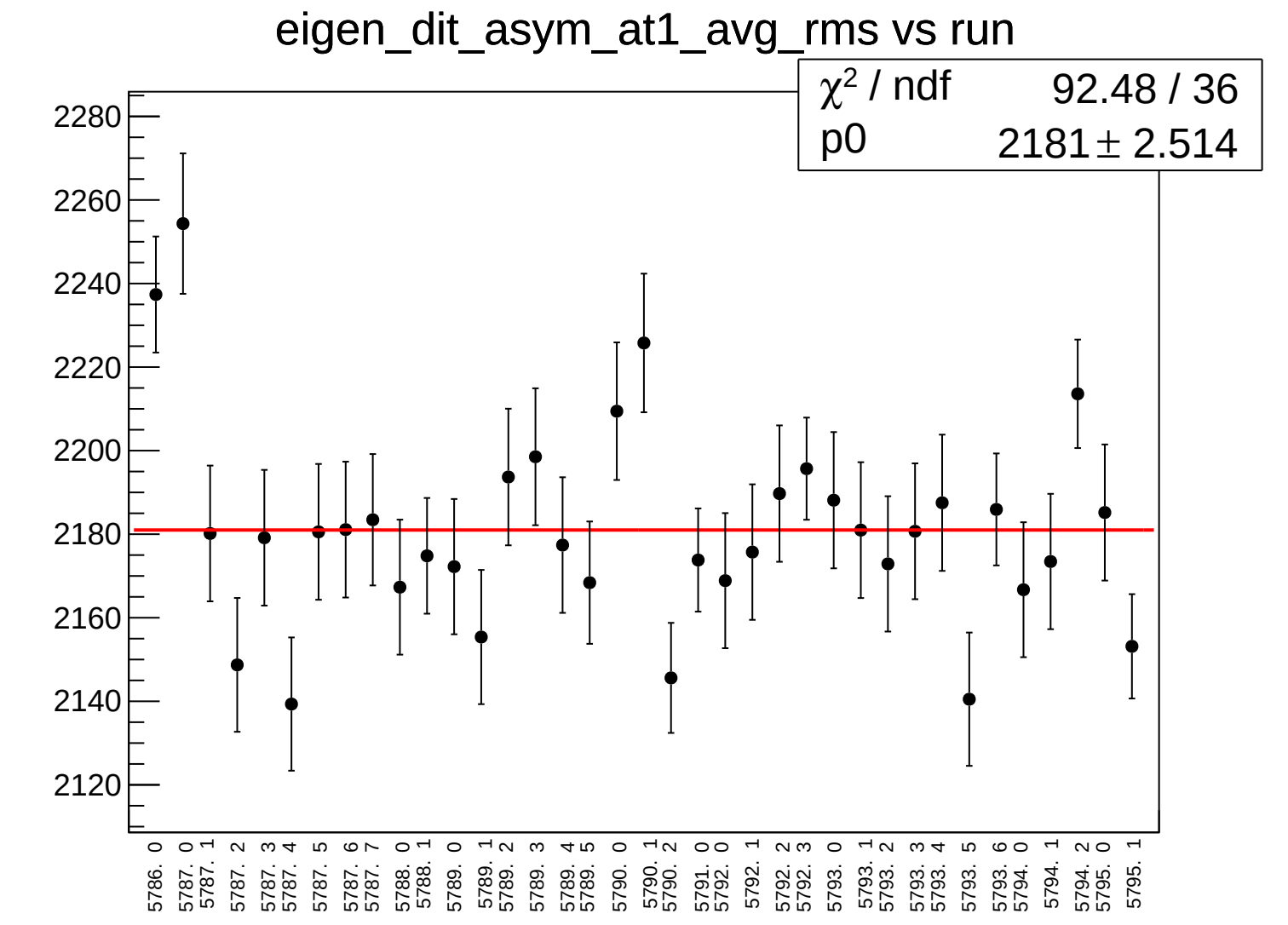
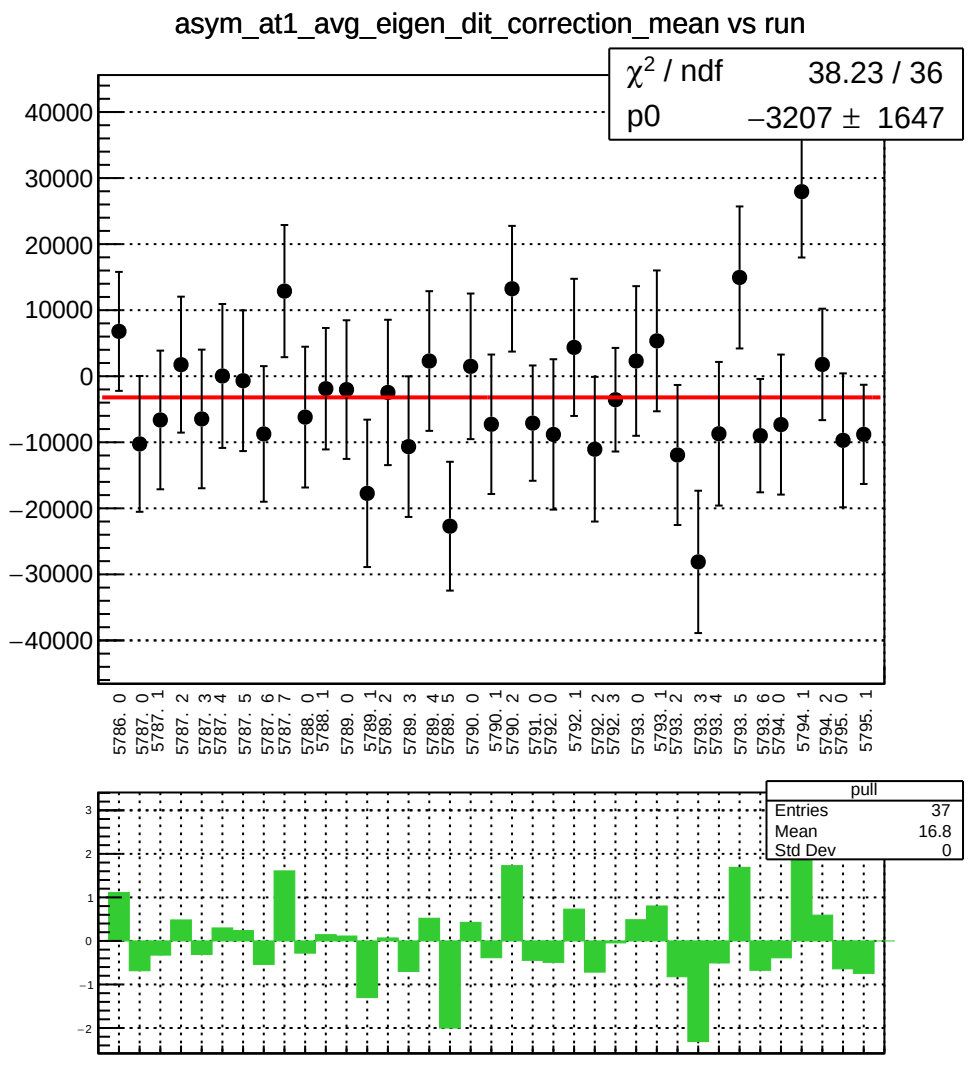
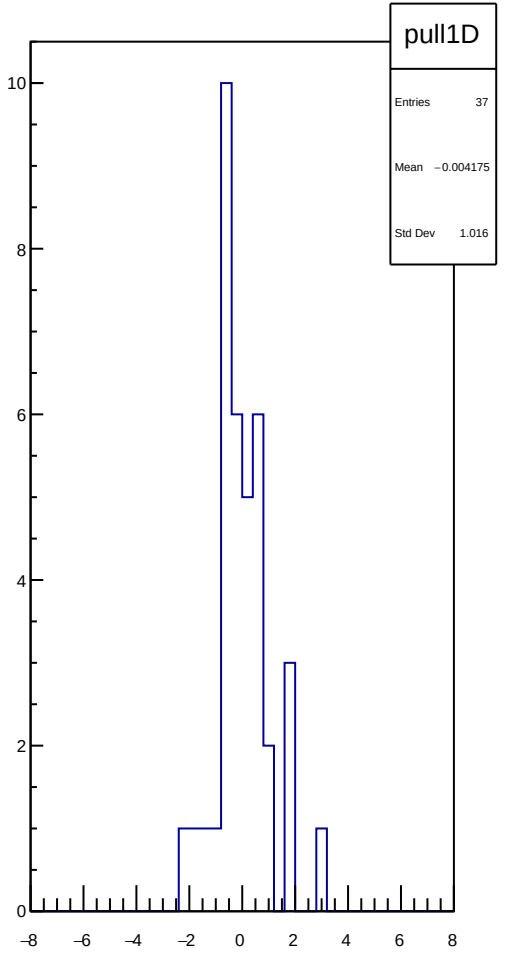
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

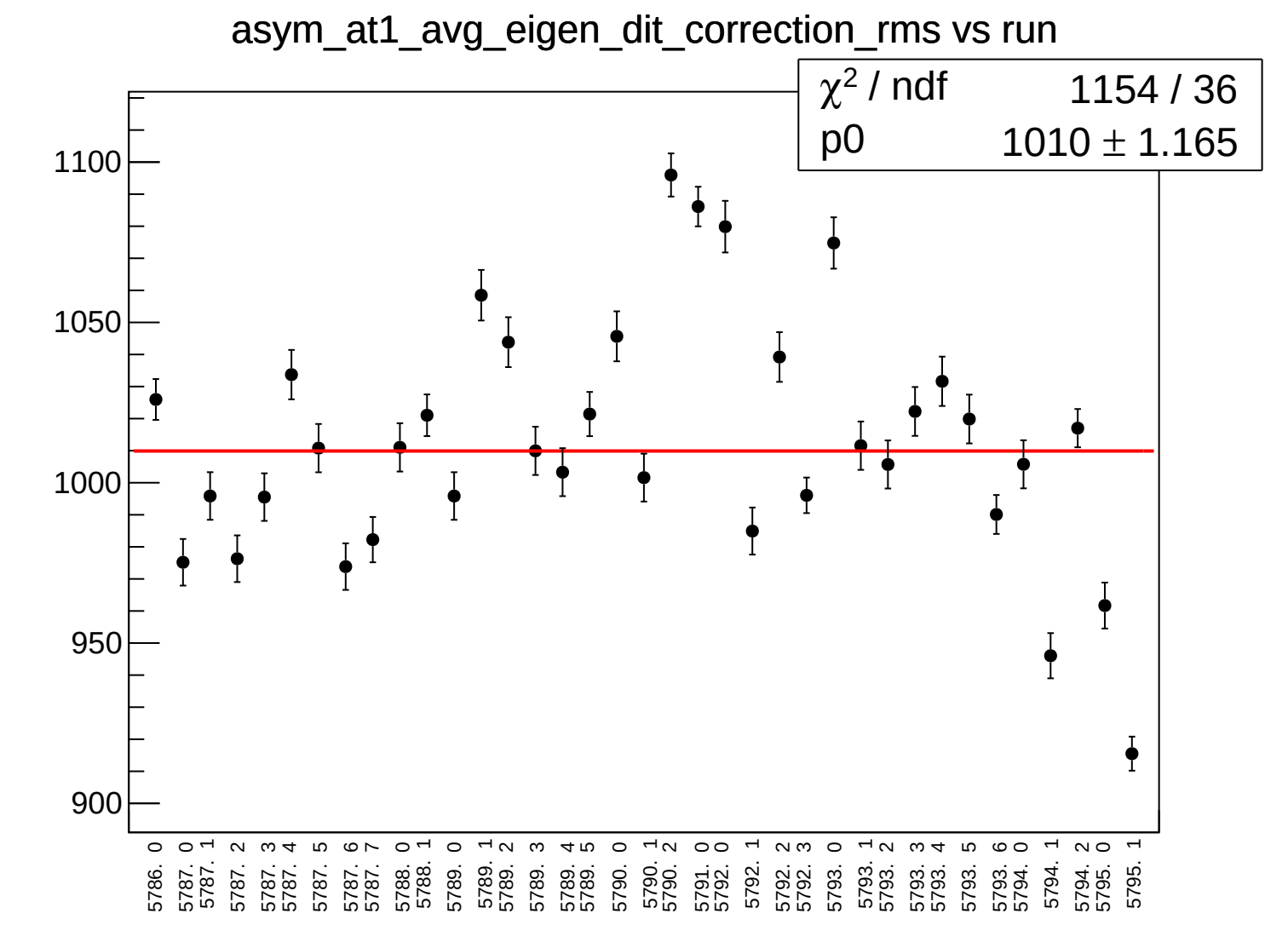

eigen_dit_asym_at1_avg_mean vs run
χ² / ndf 35.58 / 36
p0 8175 ± 3555
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −189.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

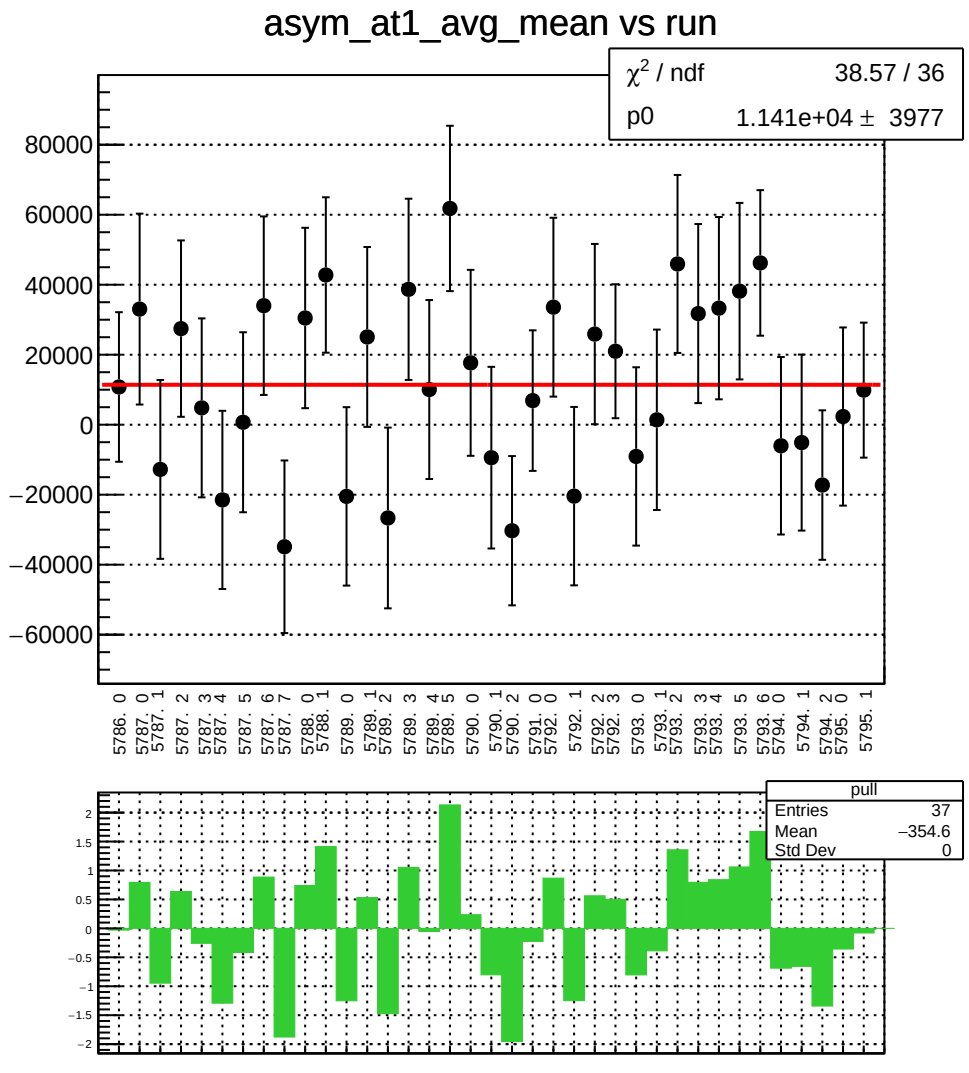

pull1D
Entries 37
Mean −0.002816
Std Dev 0.9806
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

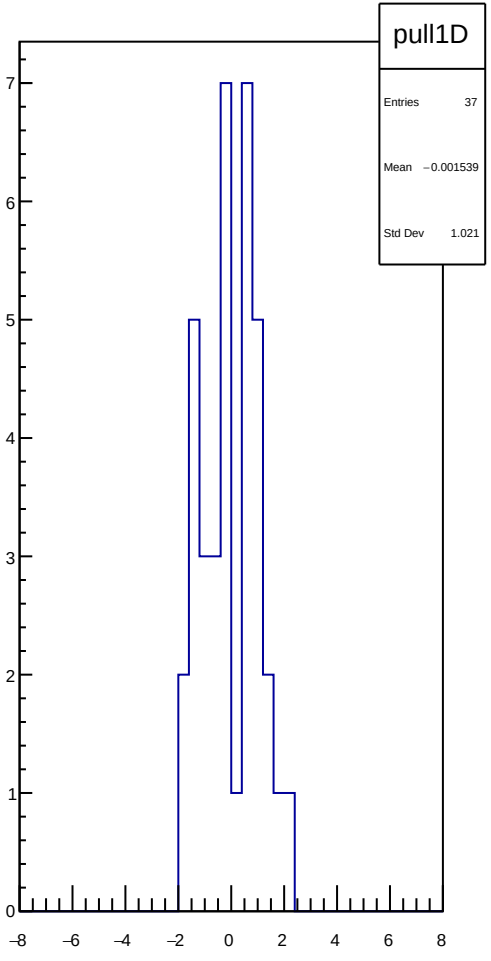

eigen_dit_asym_at1_avg_rms vs run
χ² / ndf 92.48 / 36
p0 2181 ± 2.514
2280
2260
2240
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

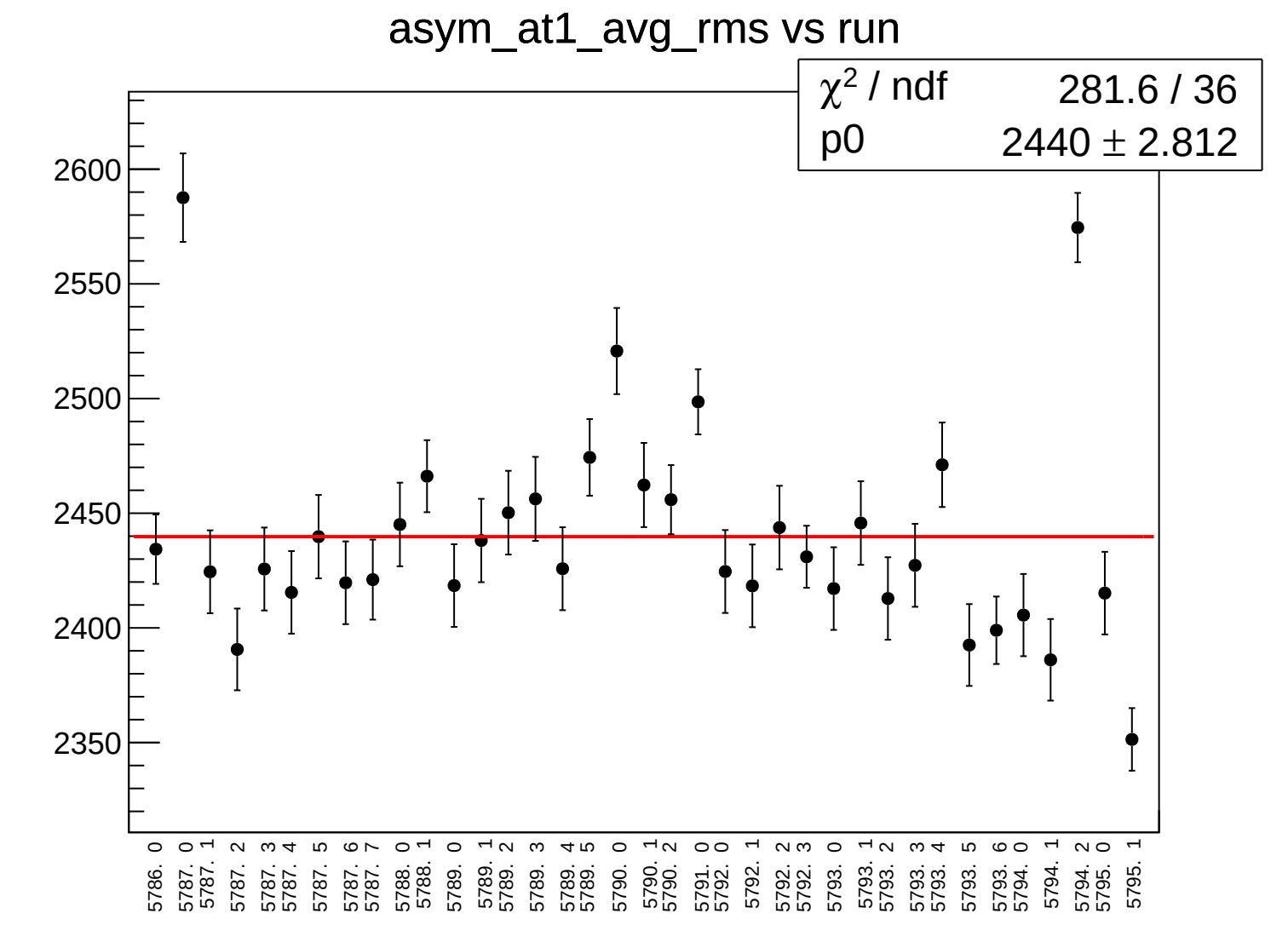

asym_at1_avg_eigen_dit_correction_mean vs run
χ² / ndf 38.23 / 36
p0 −3207 ± 1647
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.8
Std Dev 0
3
2
1
0
−1
−2

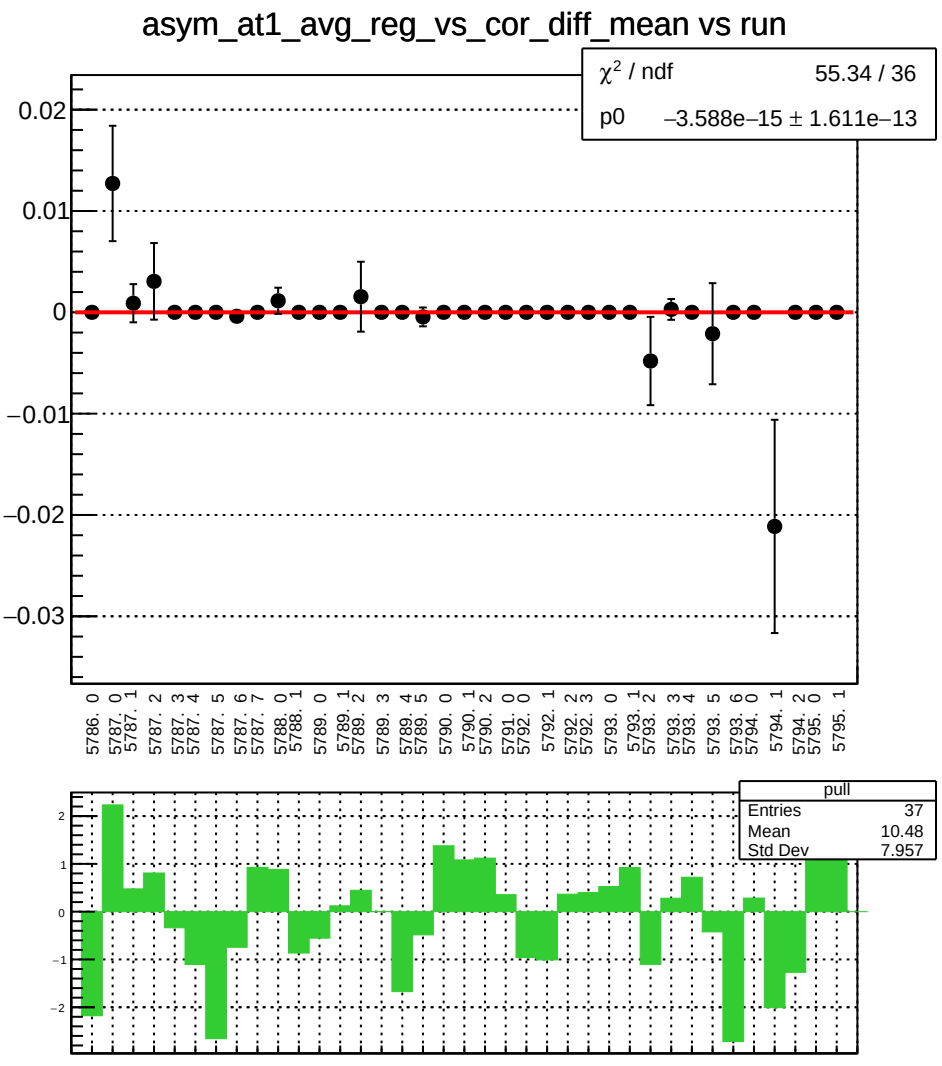

pull1D
Entries 37
Mean −0.004175
Std Dev 1.016
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

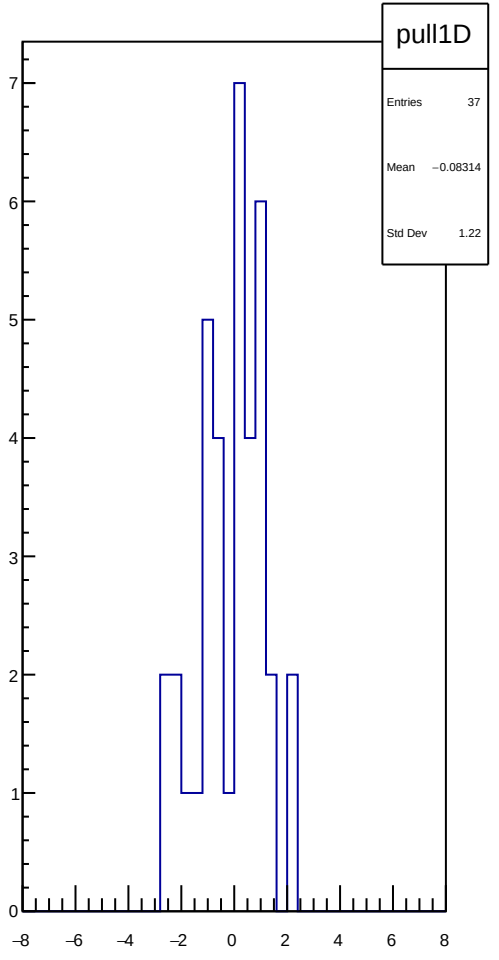

asym_at1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1154 / 36
p0 1010 ± 1.165
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

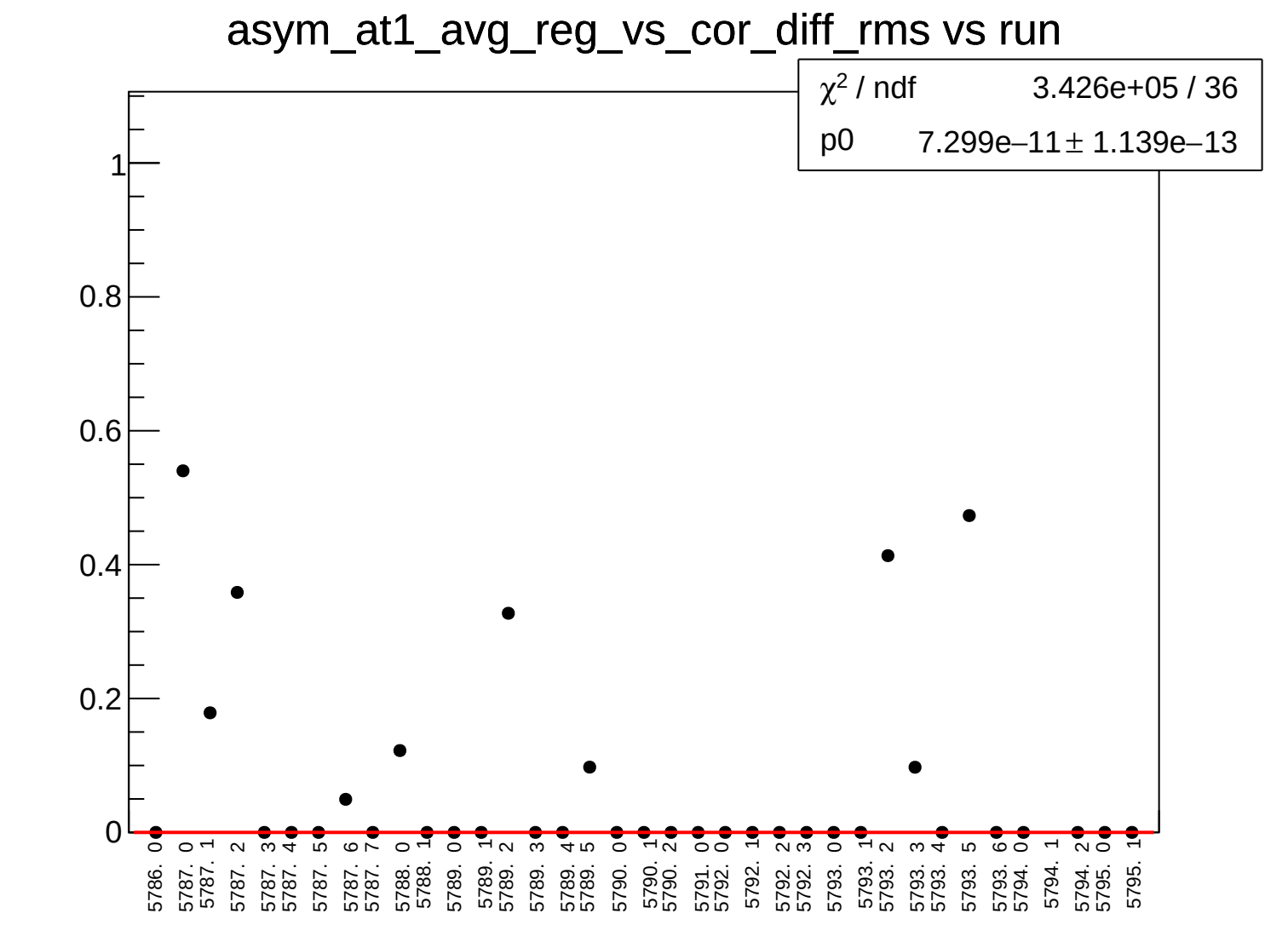

asym_at1_avg_mean vs run
χ² / ndf 38.57 / 36
p0 1.141e+04 ± 3977
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −354.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

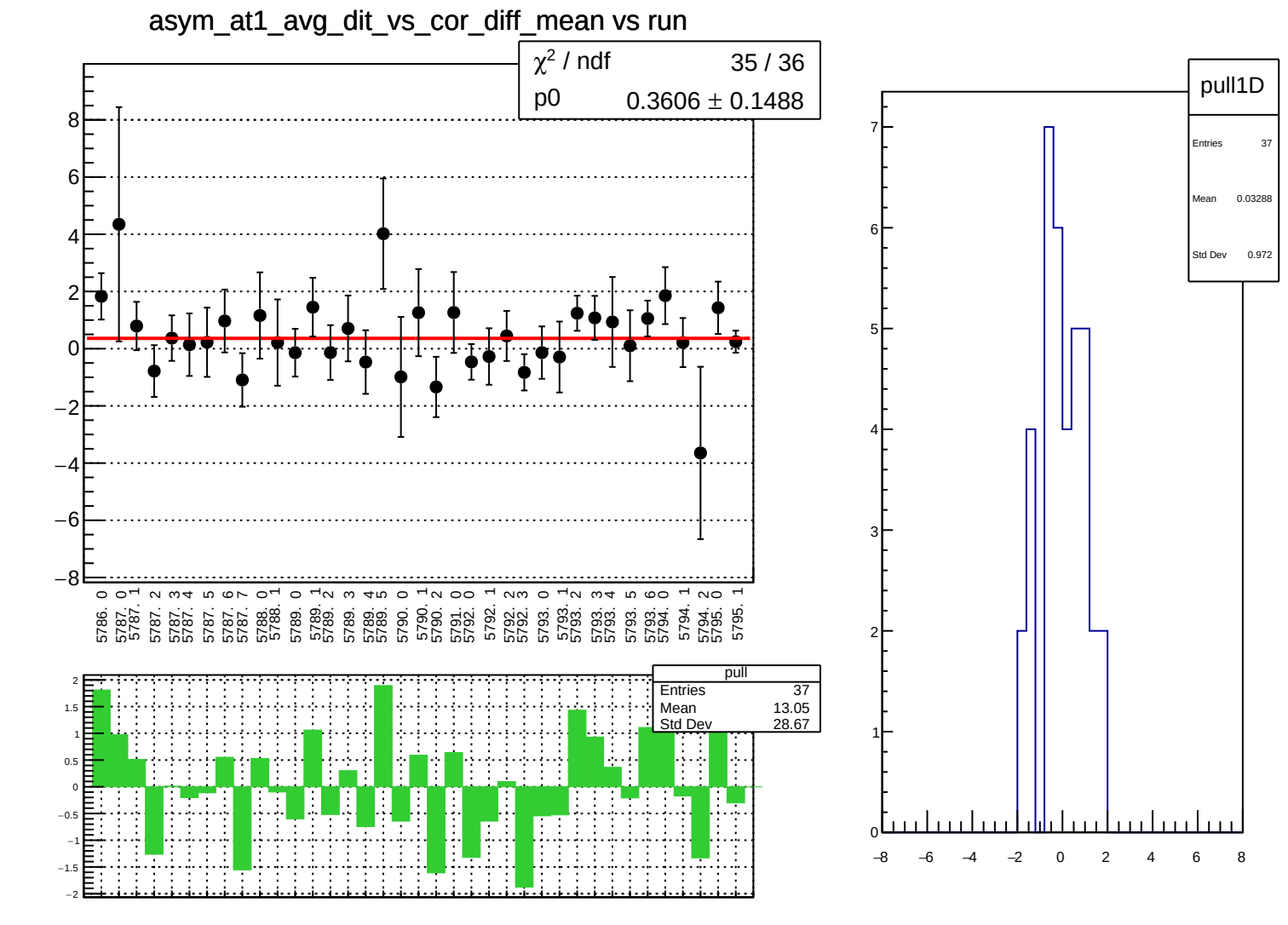

pull1D
Entries 37
Mean −0.001539
Std Dev 1.021
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

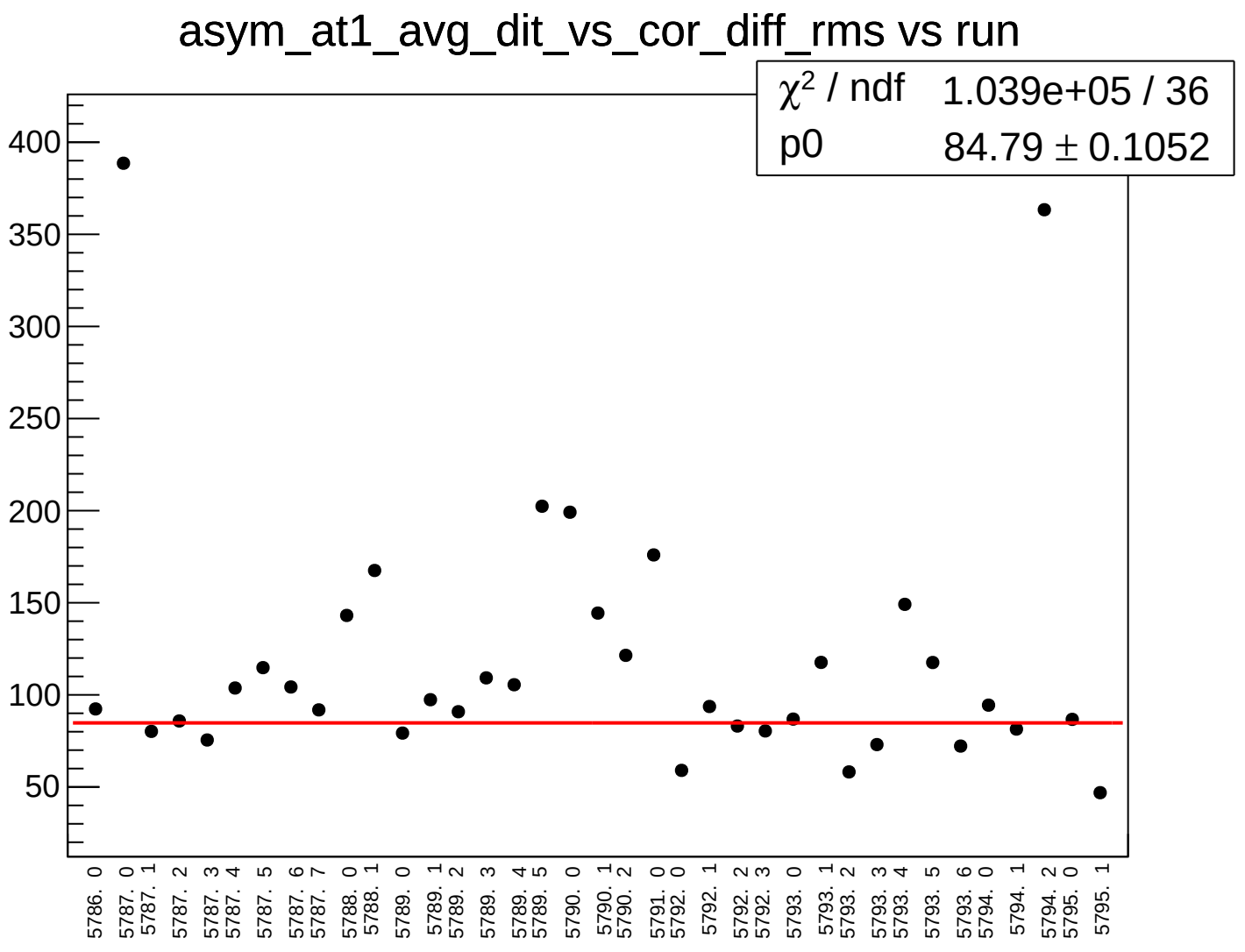

asym_at1_avg_rms vs run
χ^2 / ndf 281.6 / 36
p0 2440 ± 2.812
2600
2550
2500
2450
2400
2350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

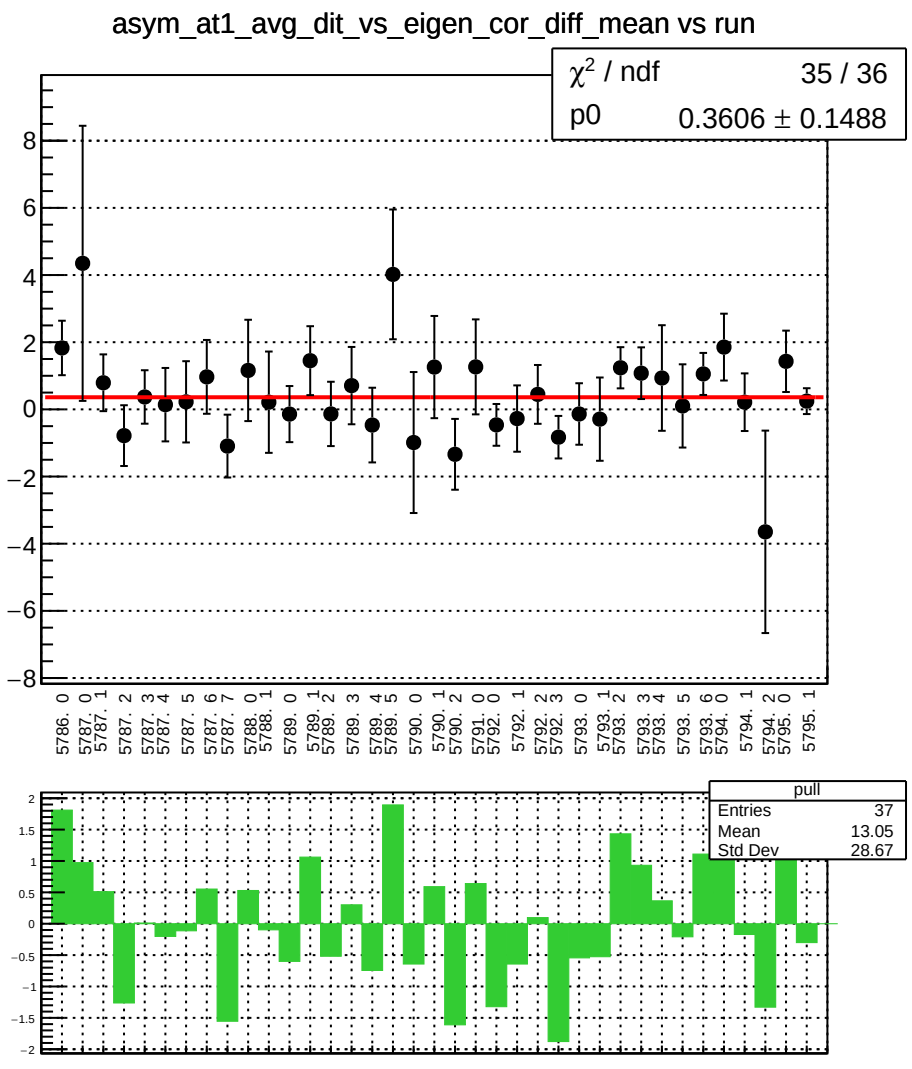

asym_at1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.34 / 36
p0 −3.588e−15 ± 1.611e−13
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.48
Std Dev 7.957
2
1
0
−1
−2

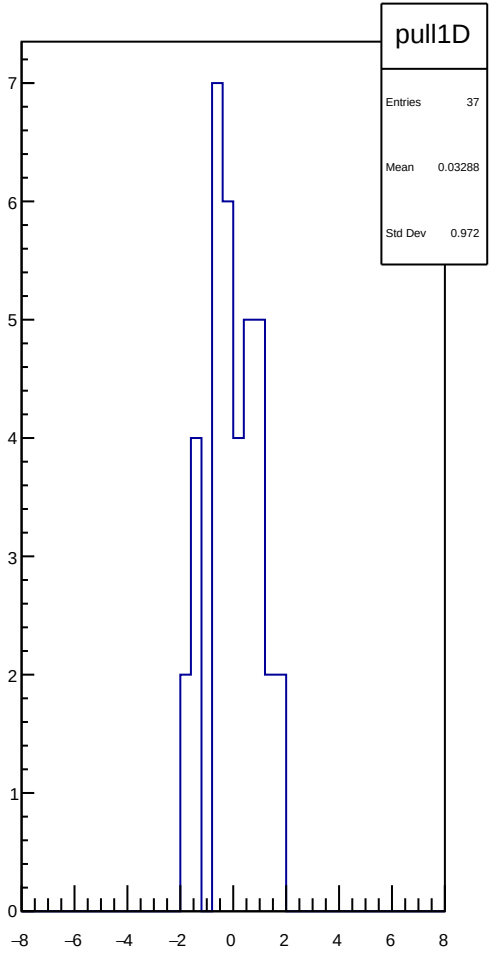

pull1D
Entries 37
Mean −0.08314
Std Dev 1.22
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

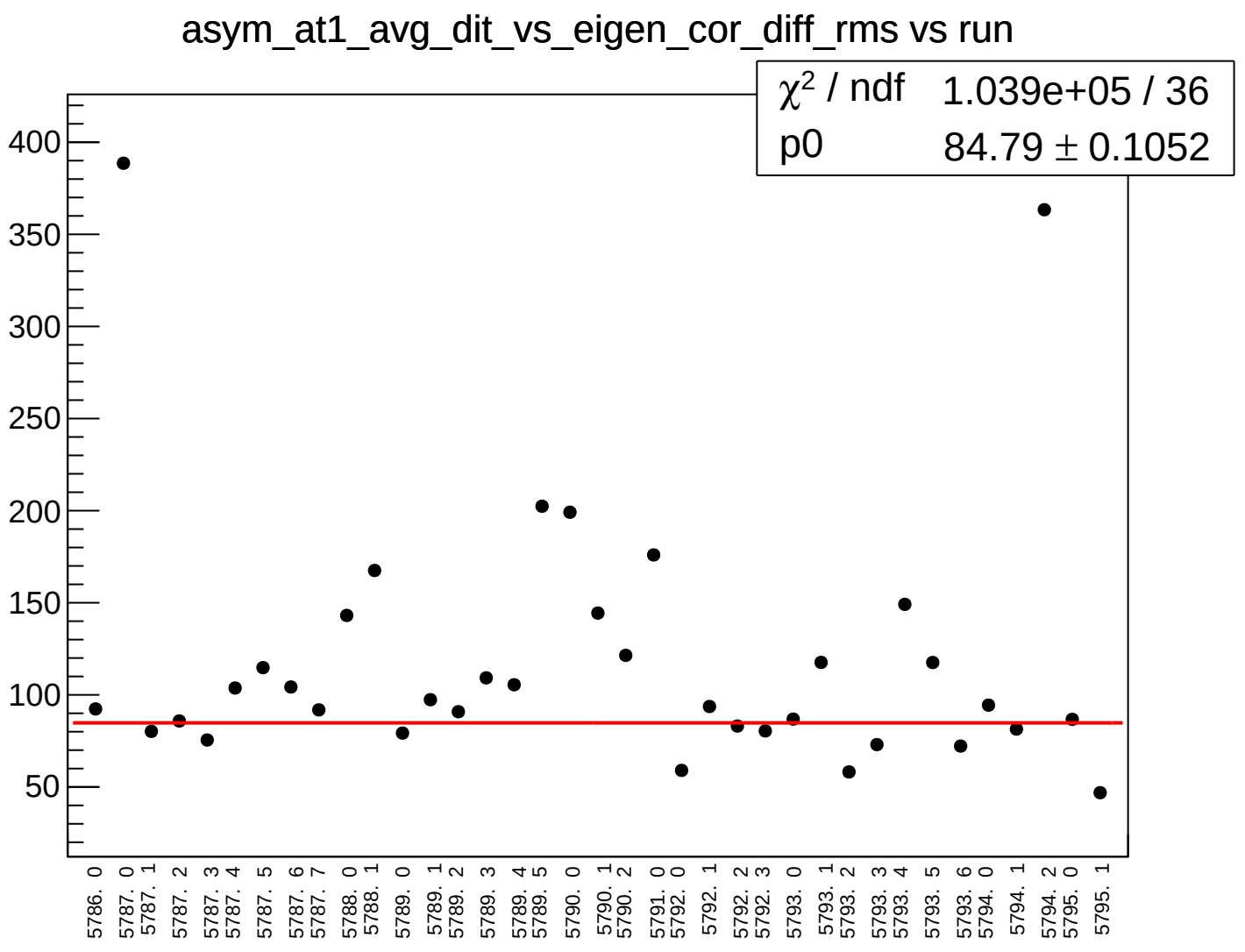

asym_at1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.426e+05 / 36
p0 7.299e−11 ± 1.139e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

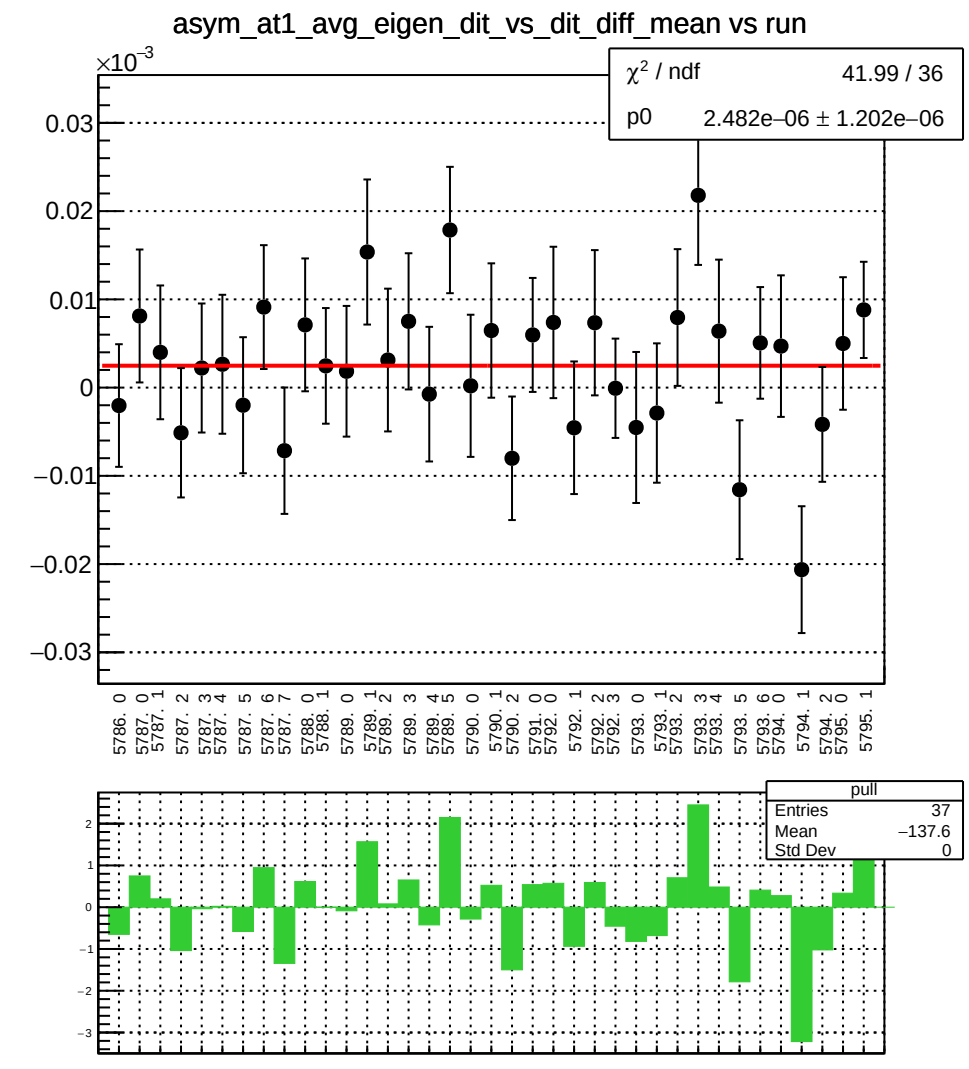

asym_at1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 35 / 36
p0 0.3606 ± 0.1488
pull
Entries 37
Mean 13.05
Std Dev 28.67
pull1D
Entries 37
Mean 0.03288
Std Dev 0.972

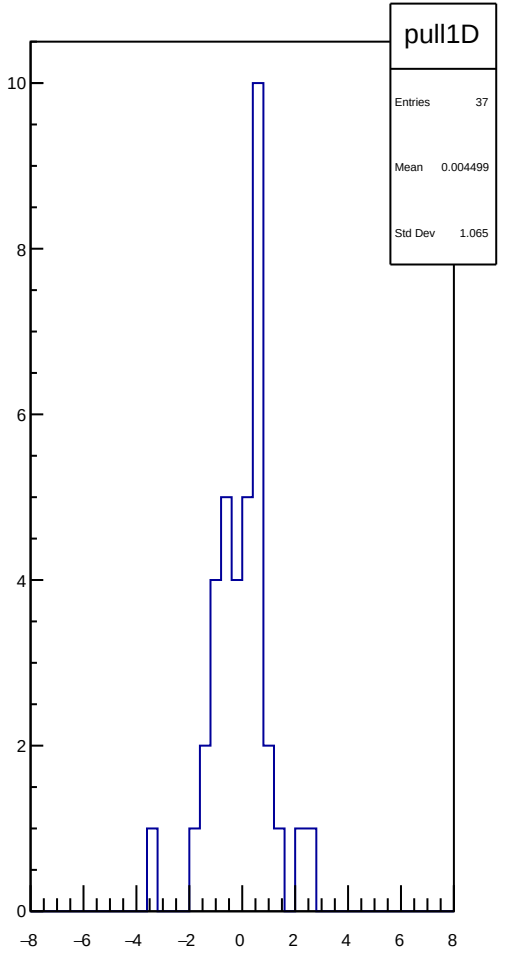

asym_at1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.039e+05 / 36
p0 84.79 ± 0.1052
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

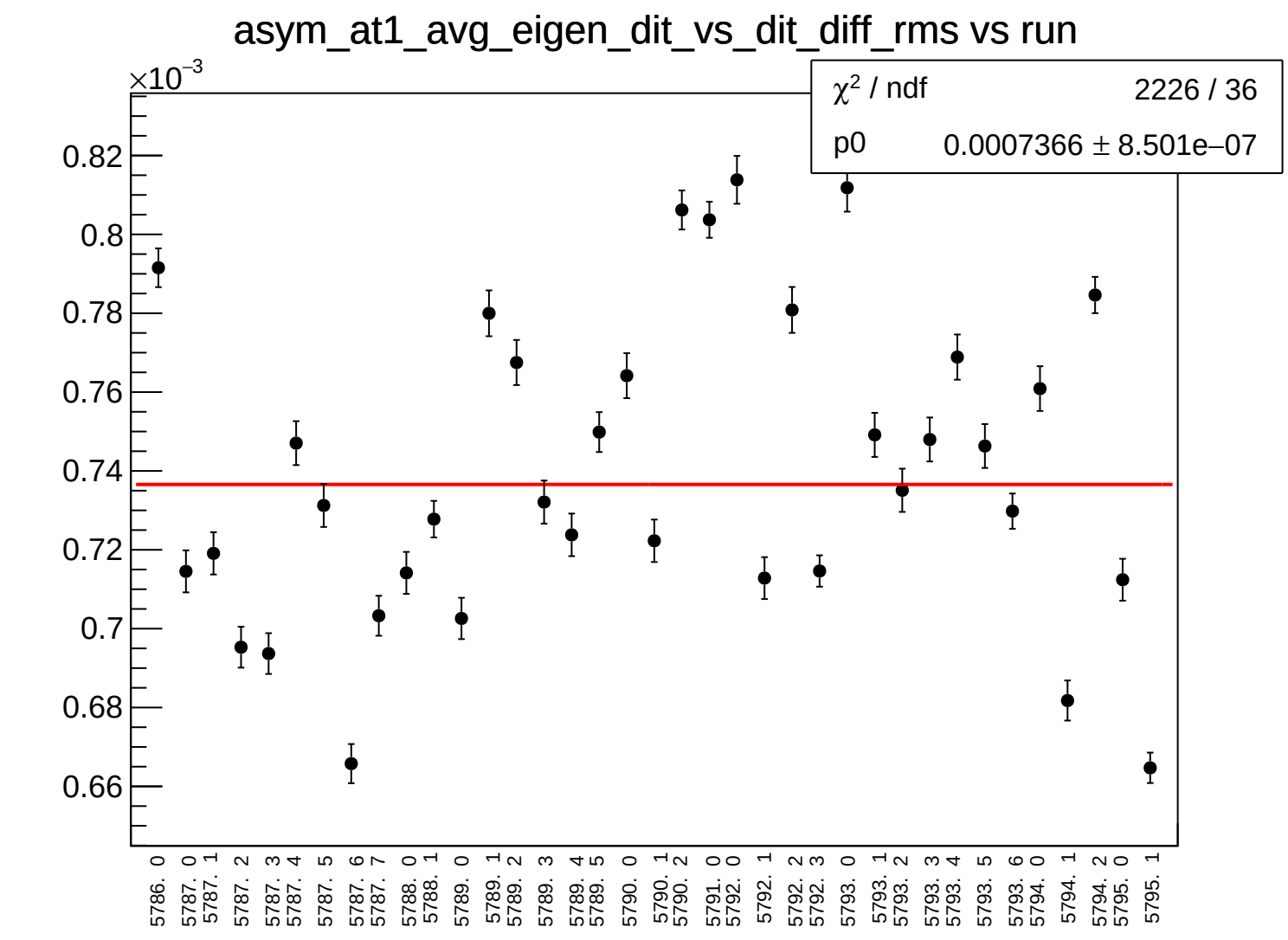

asym_at1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35 / 36
p0 0.3606 ± 0.1488
pull
Entries 37
Mean 13.05
Std Dev 28.67

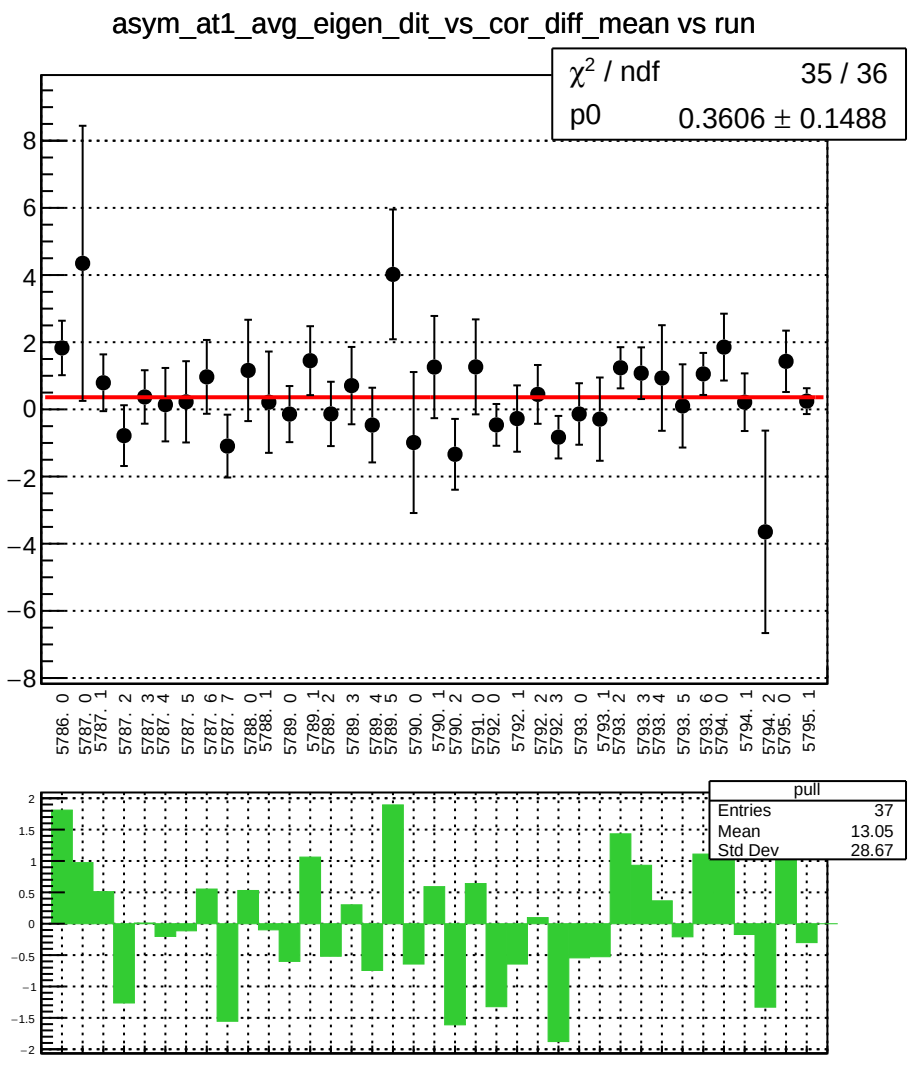

pull1D
Entries 37
Mean 0.03288
Std Dev 0.972

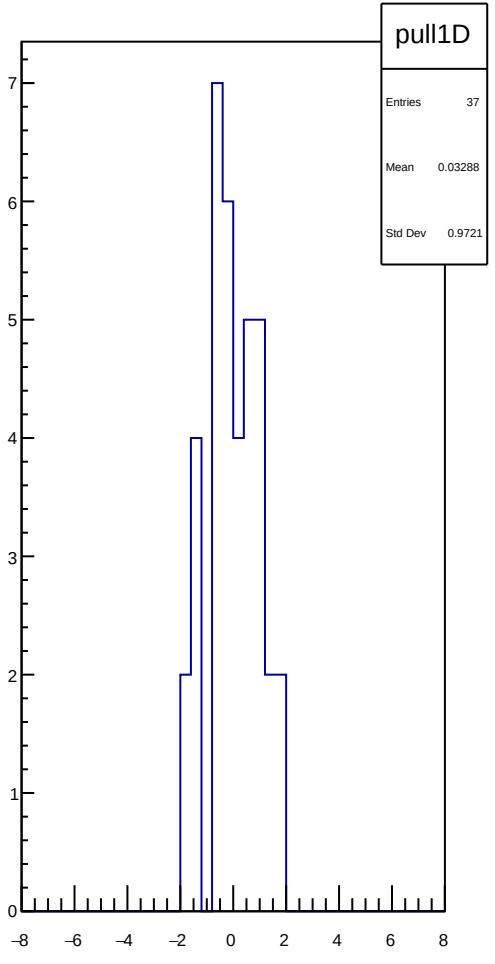

asym_at1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.039e+05 / 36
p0 84.79 ± 0.1052
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

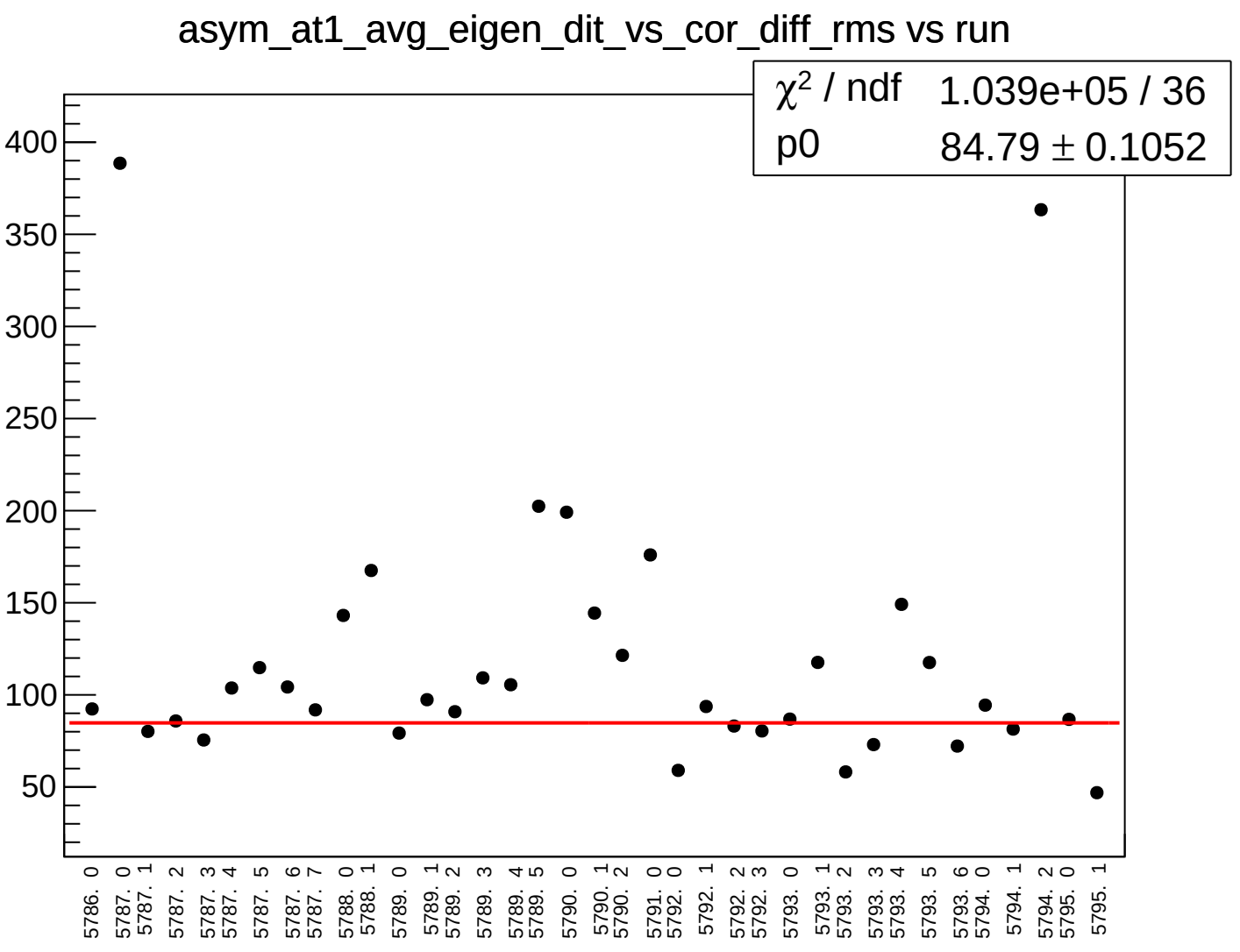

asym_at1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.99 / 36
p0 2.482e−06 ± 1.202e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −137.6
Std Dev 0
2
1
0
−1
−2
−3

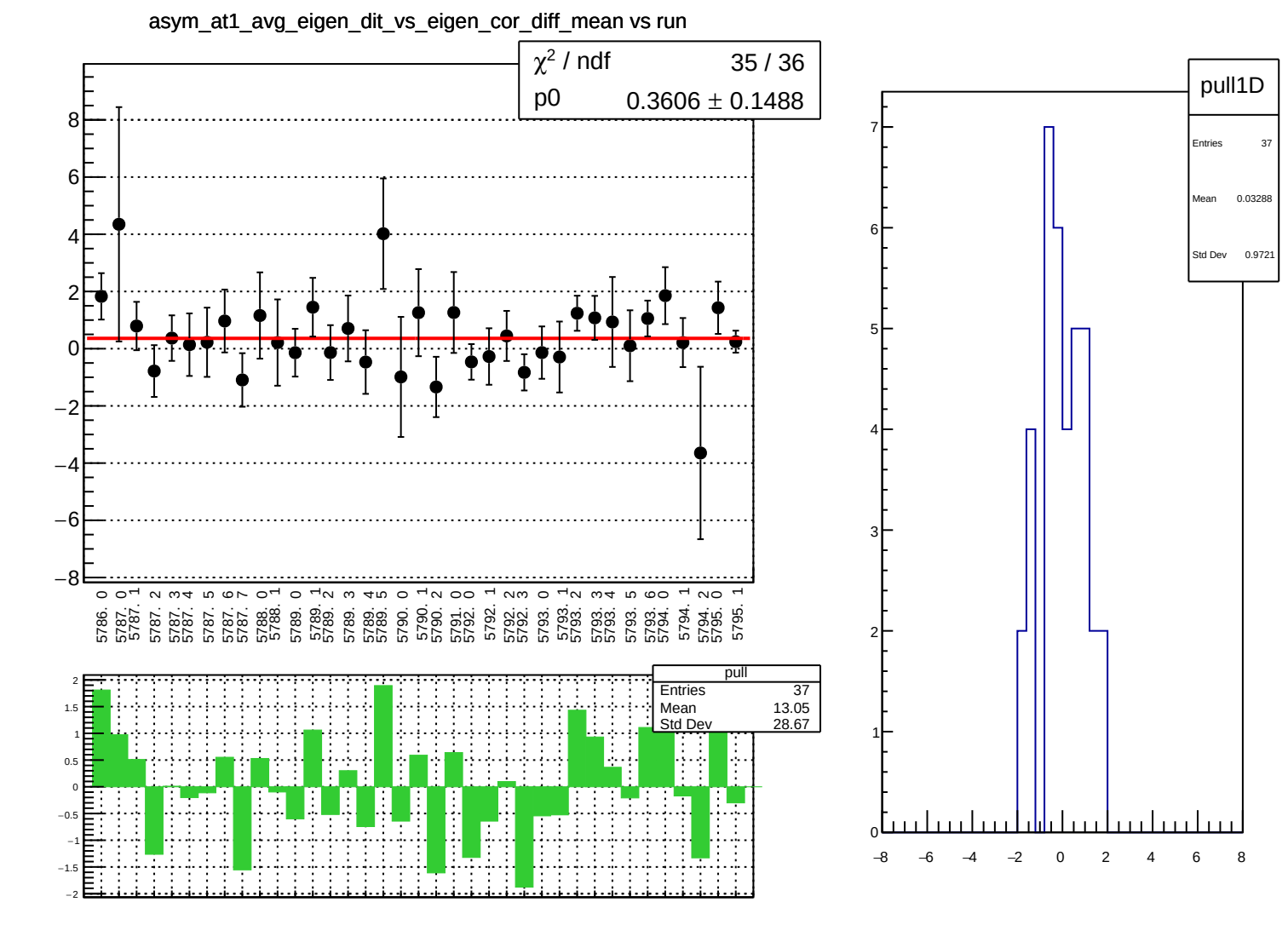

pull1D
Entries 37
Mean 0.004499
Std Dev 1.065
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

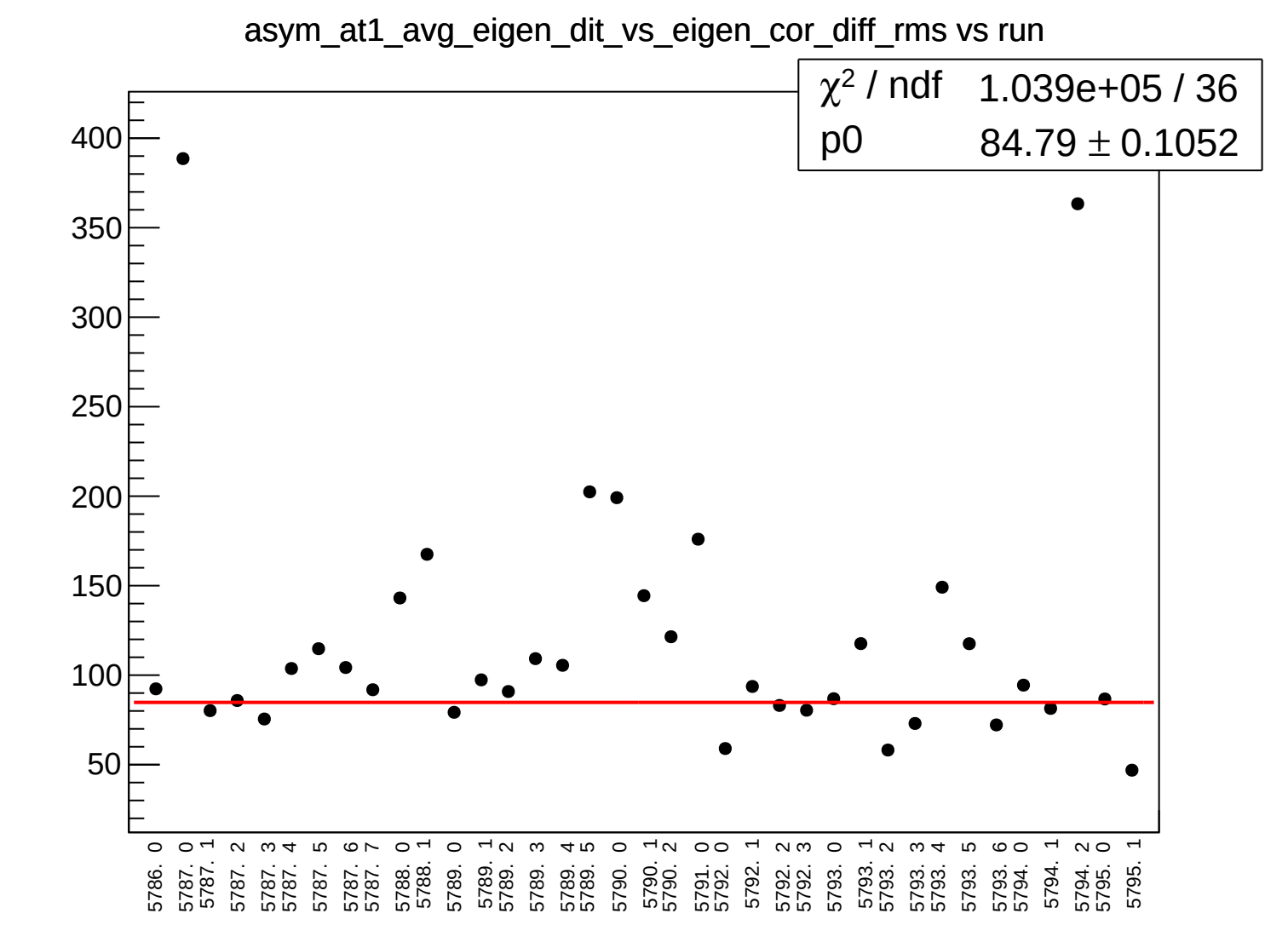

asym_at1_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2226 / 36
p0 0.0007366 ± 8.501e−07
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

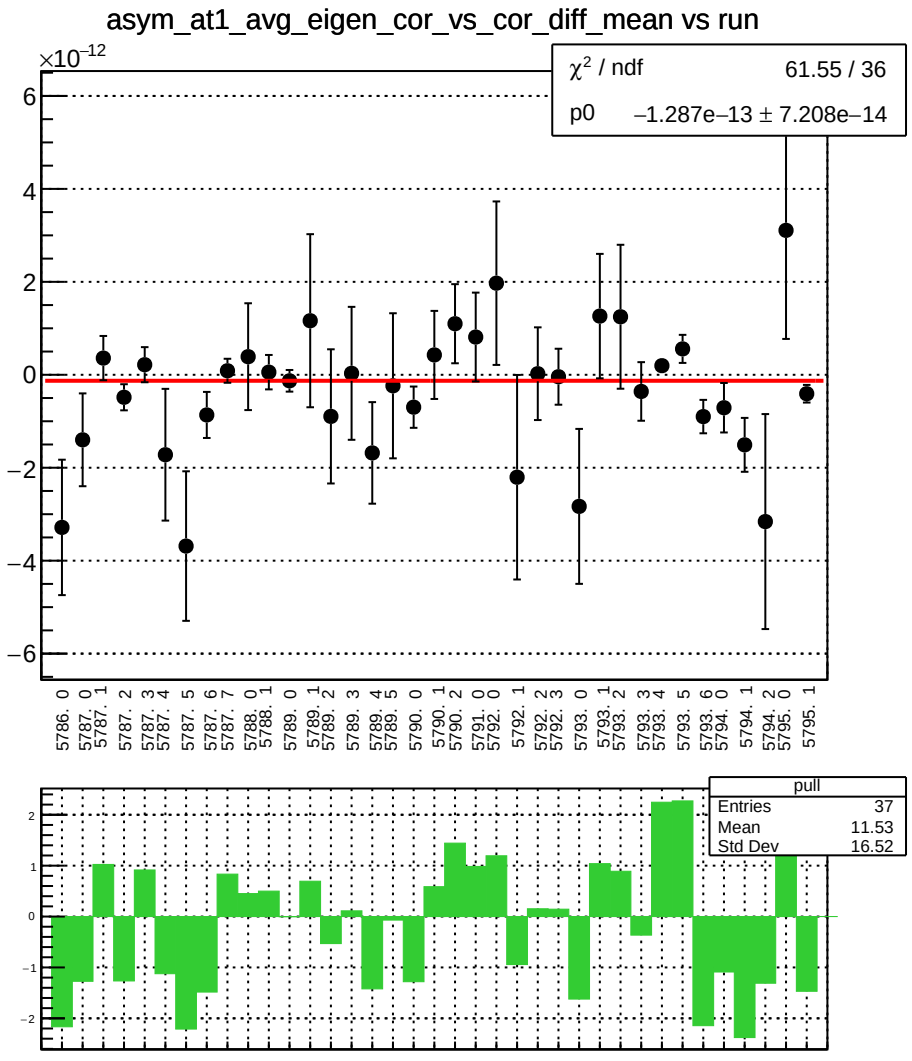

asym_at1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35 / 36
p0 0.3606 ± 0.1488
pull
Entries 37
Mean 13.05
Std Dev 28.67

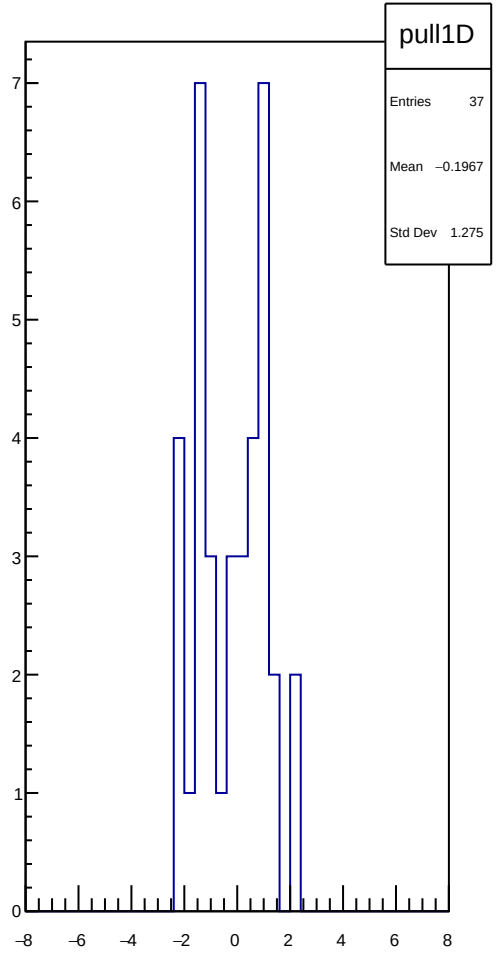

pull1D
Entries 37
Mean 0.03288
Std Dev 0.9721

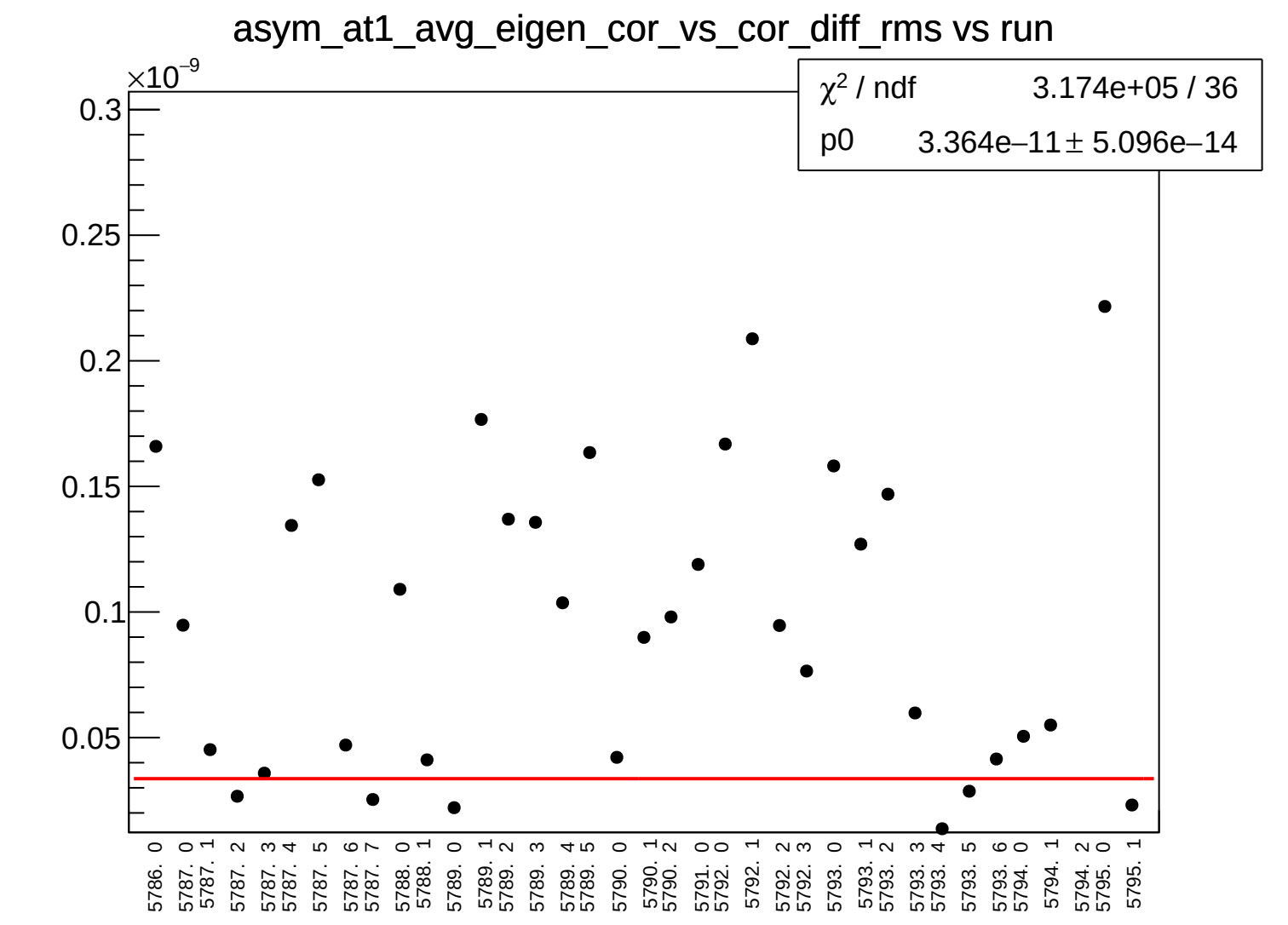

asym_at1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.039e+05 / 36
p0 84.79 ± 0.1052
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

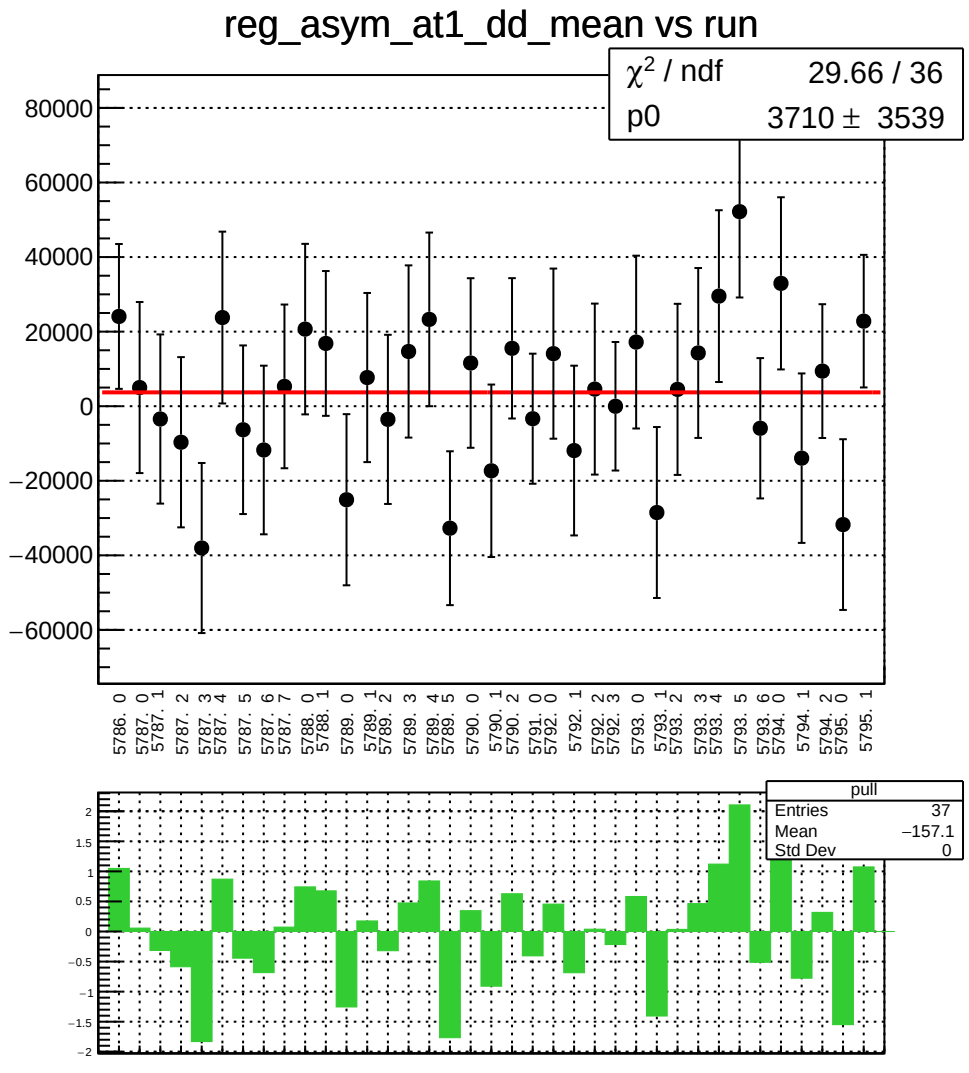

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35 / 36
p0 0.3606 ± 0.1488
pull
Entries 37
Mean 13.05
Std Dev 28.67
pull1D
Entries 37
Mean 0.03288
Std Dev 0.9721

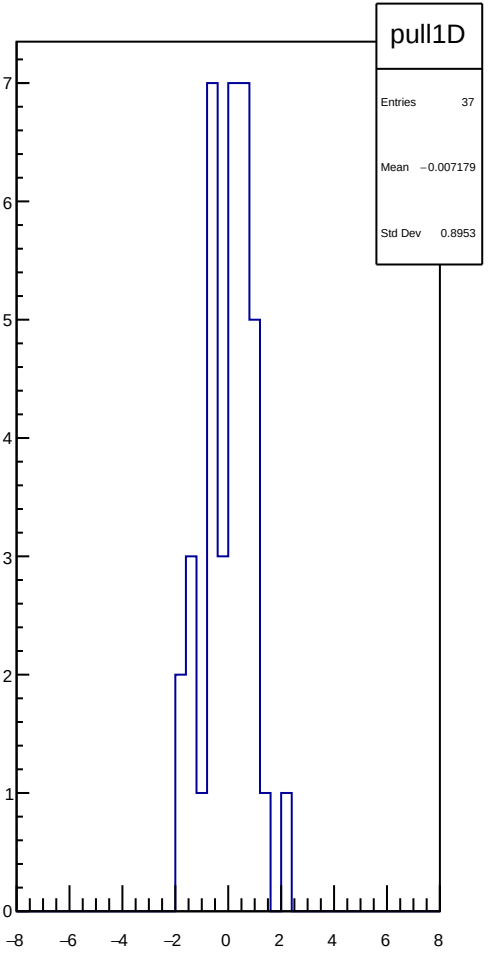

asym_at1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.039e+05 / 36
p0 84.79 ± 0.1052
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

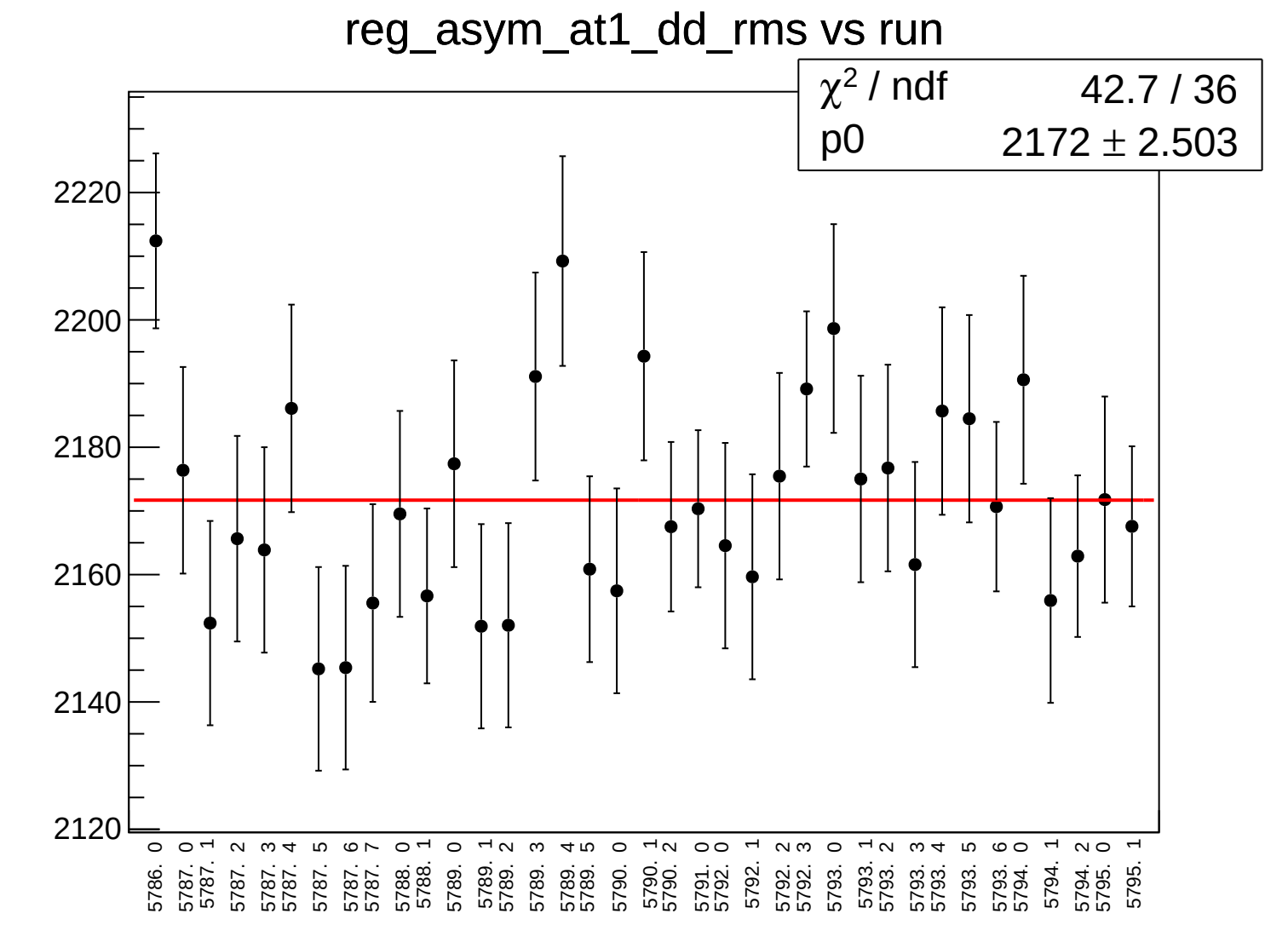

asym_at1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.55 / 36
p0 −1.287e−13 ± 7.208e−14
pull
Entries 37
Mean 11.53
Std Dev 16.52

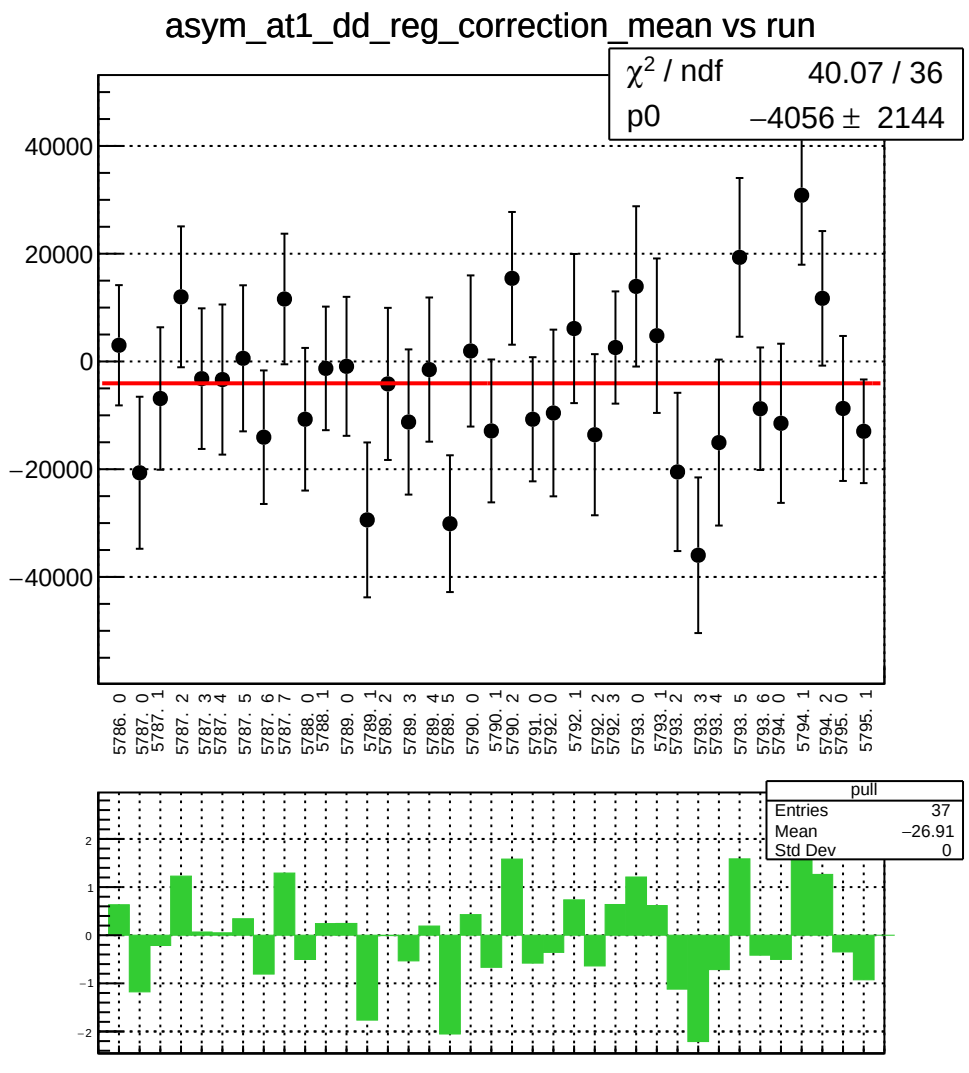

pull1D
Entries 37
Mean −0.1967
Std Dev 1.275

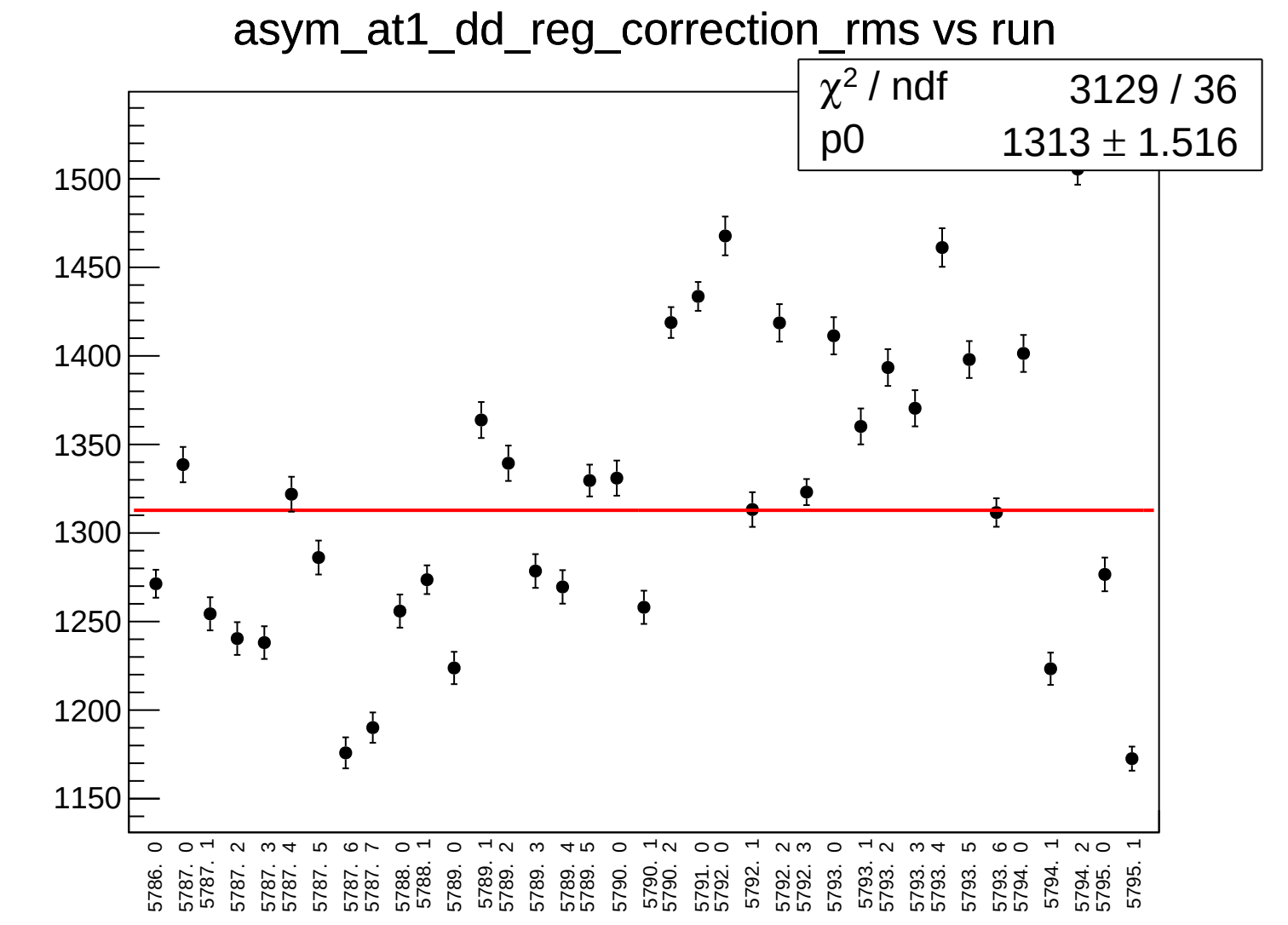

asym_at1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.174e+05 / 36
p0 3.364e−11 ± 5.096e−14
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

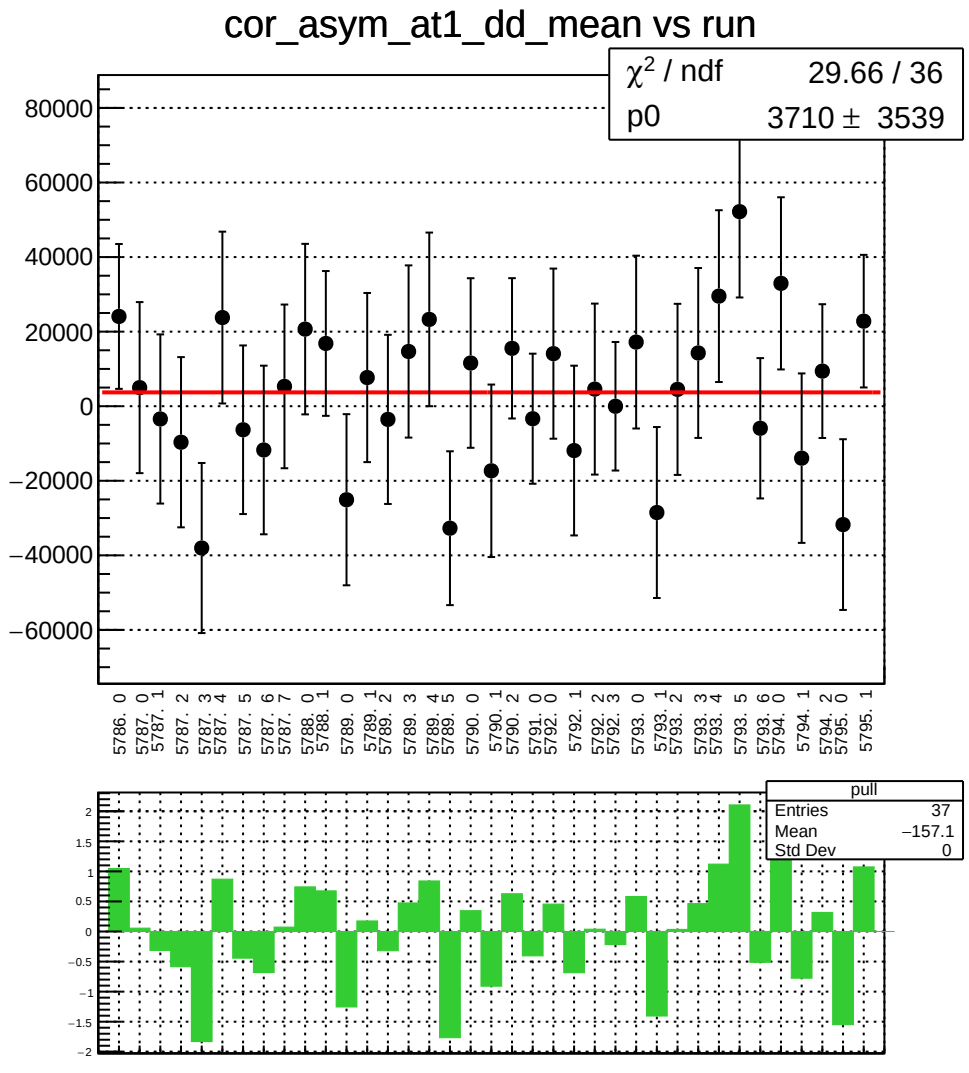

reg_asym_at1_dd_mean vs run
χ² / ndf 29.66 / 36
p0 3710 ± 3539
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −157.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

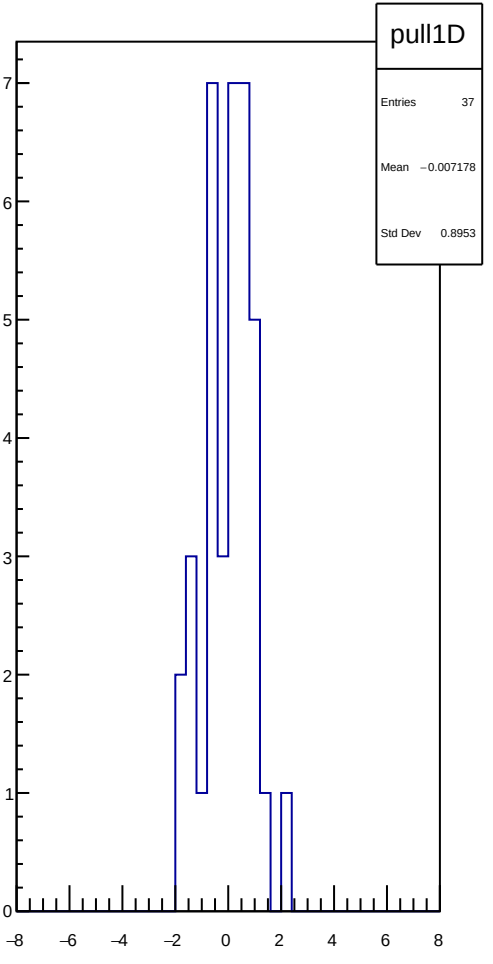

pull1D
Entries 37
Mean −0.007179
Std Dev 0.8953
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

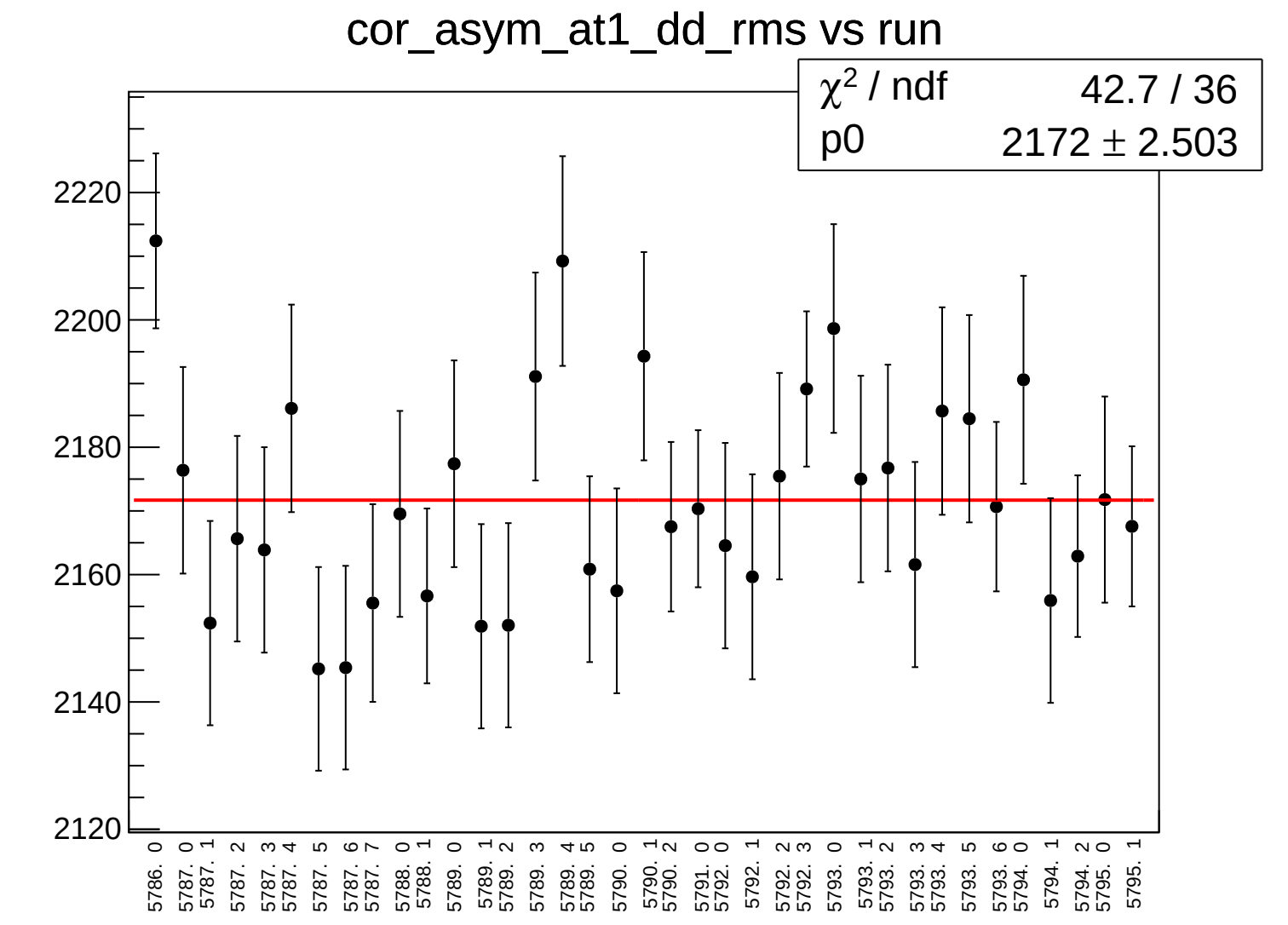

reg_asym_at1_dd_rms vs run
χ² / ndf 42.7 / 36
p0 2172 ± 2.503
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

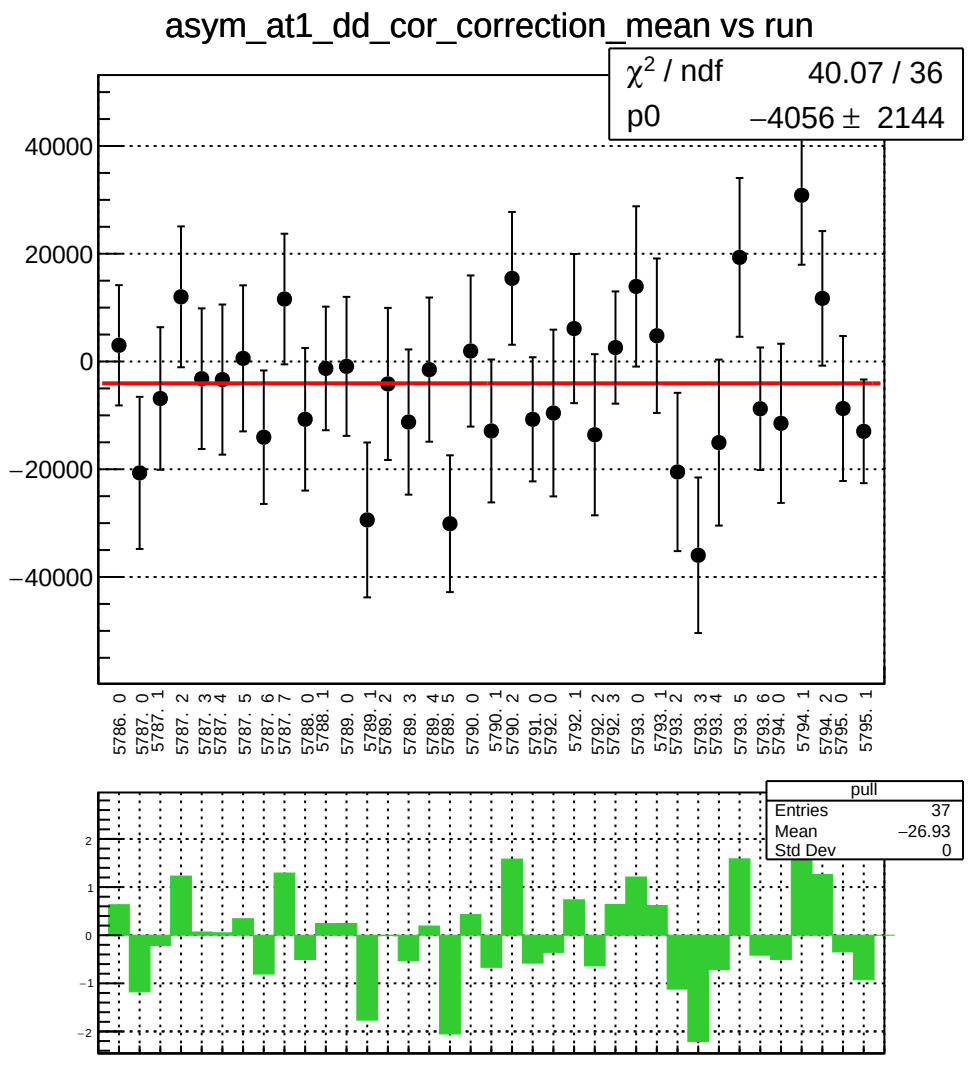

asym_at1_dd_reg_correction_mean vs run
χ² / ndf 40.07 / 36
p0 −4056 ± 2144
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.91
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01298
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

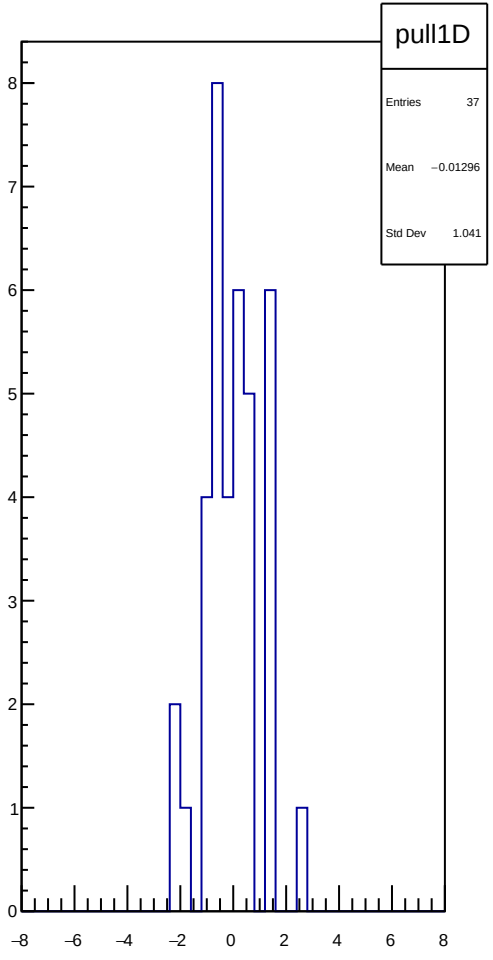

asym_at1_dd_reg_correction_rms vs run
χ² / ndf 3129 / 36
p0 1313 ± 1.516
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

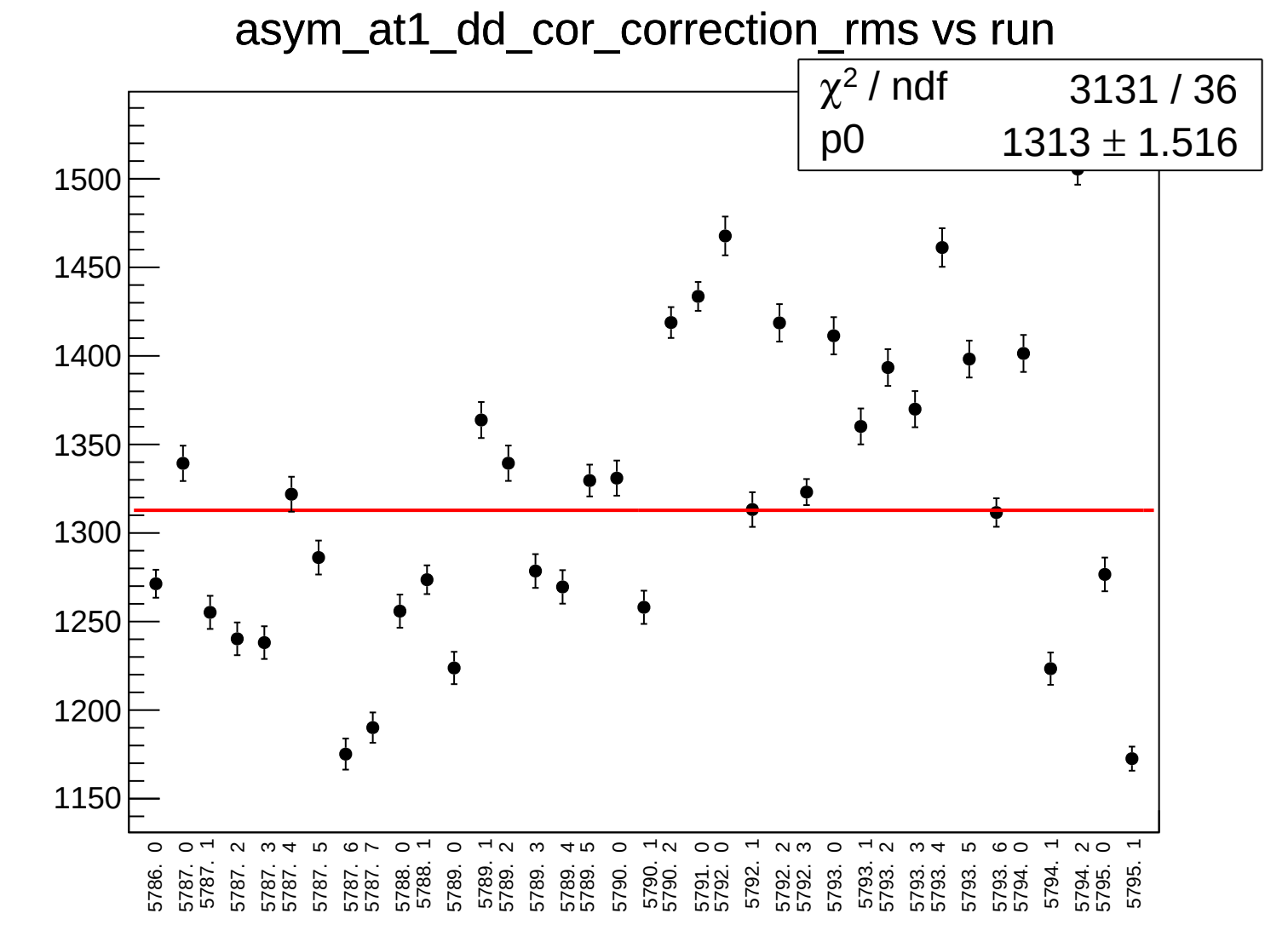

cor_asym_at1_dd_mean vs run
χ² / ndf 29.66 / 36
p0 3710 ± 3539
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −157.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

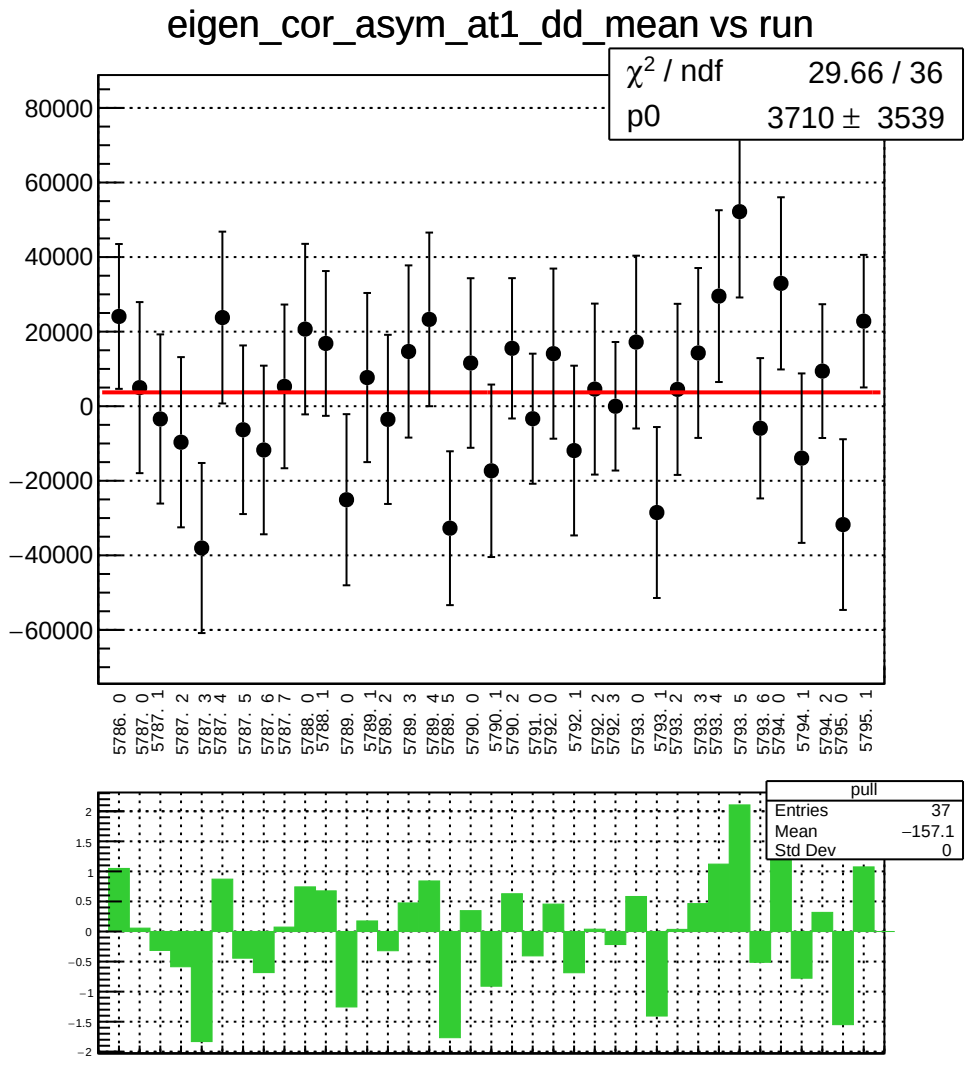

pull1D
Entries 37
Mean −0.007178
Std Dev 0.8953
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

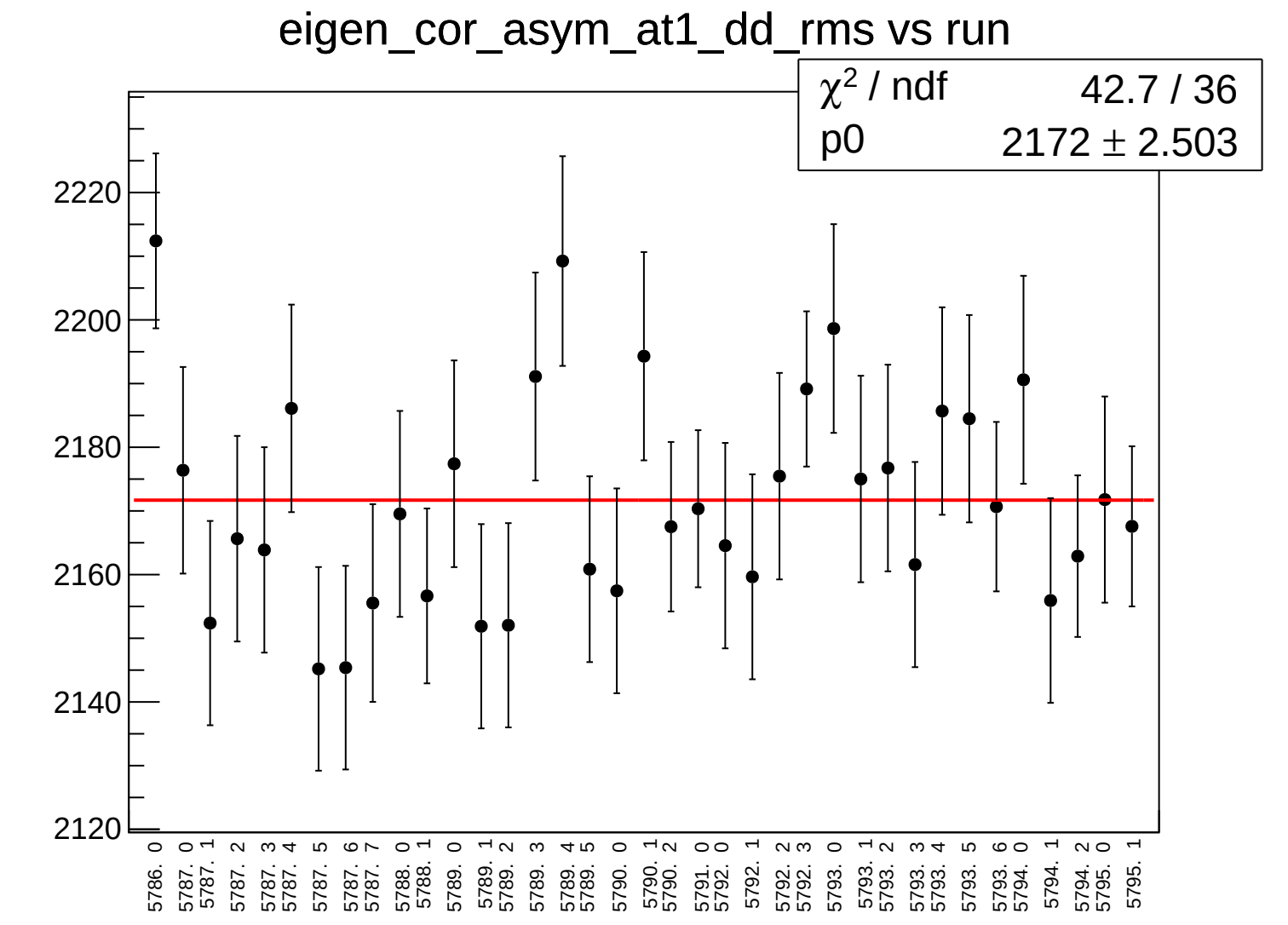

cor_asym_at1_dd_rms vs run
χ² / ndf 42.7 / 36
p0 2172 ± 2.503
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

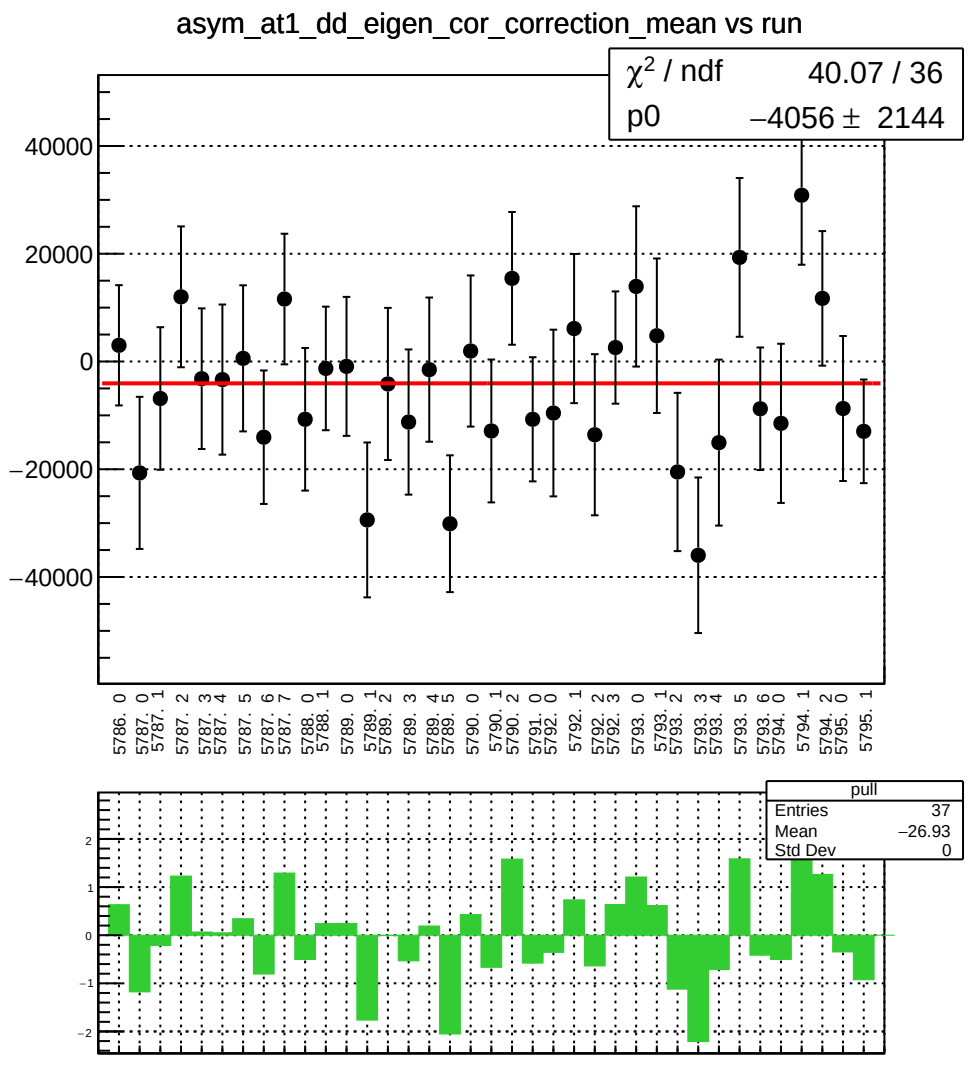

asym_at1_dd_cor_correction_mean vs run
χ² / ndf 40.07 / 36
p0 −4056 ± 2144
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.93
Std Dev 0
2
1
0
−1
−2

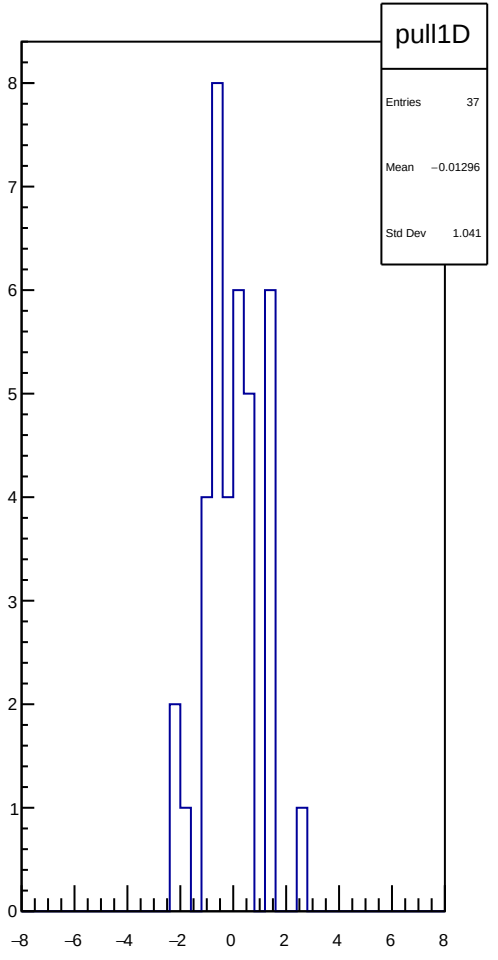

pull1D
Entries 37
Mean −0.01296
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

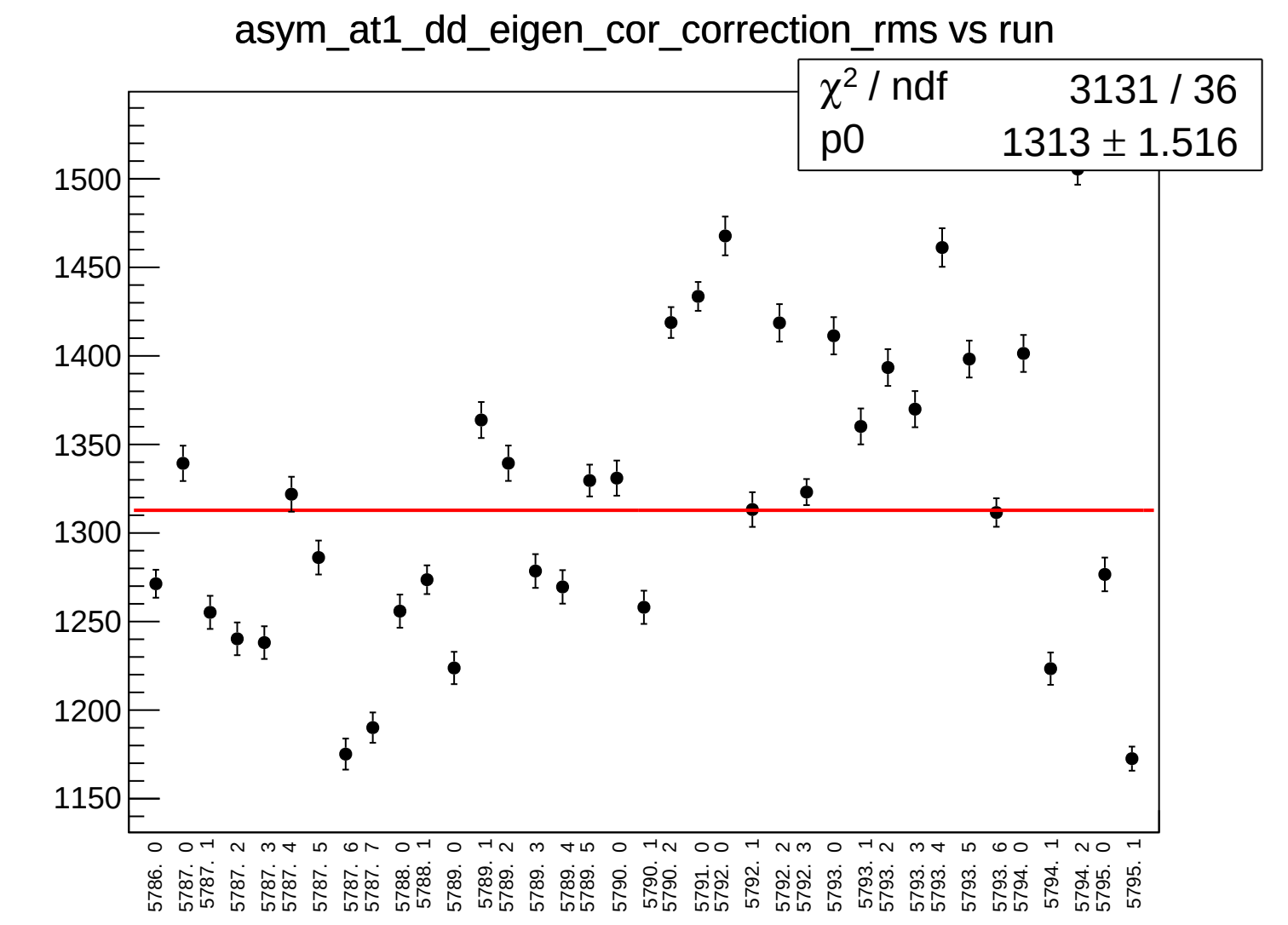

asym_at1_dd_cor_correction_rms vs run
χ² / ndf 3131 / 36
p0 1313 ± 1.516
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

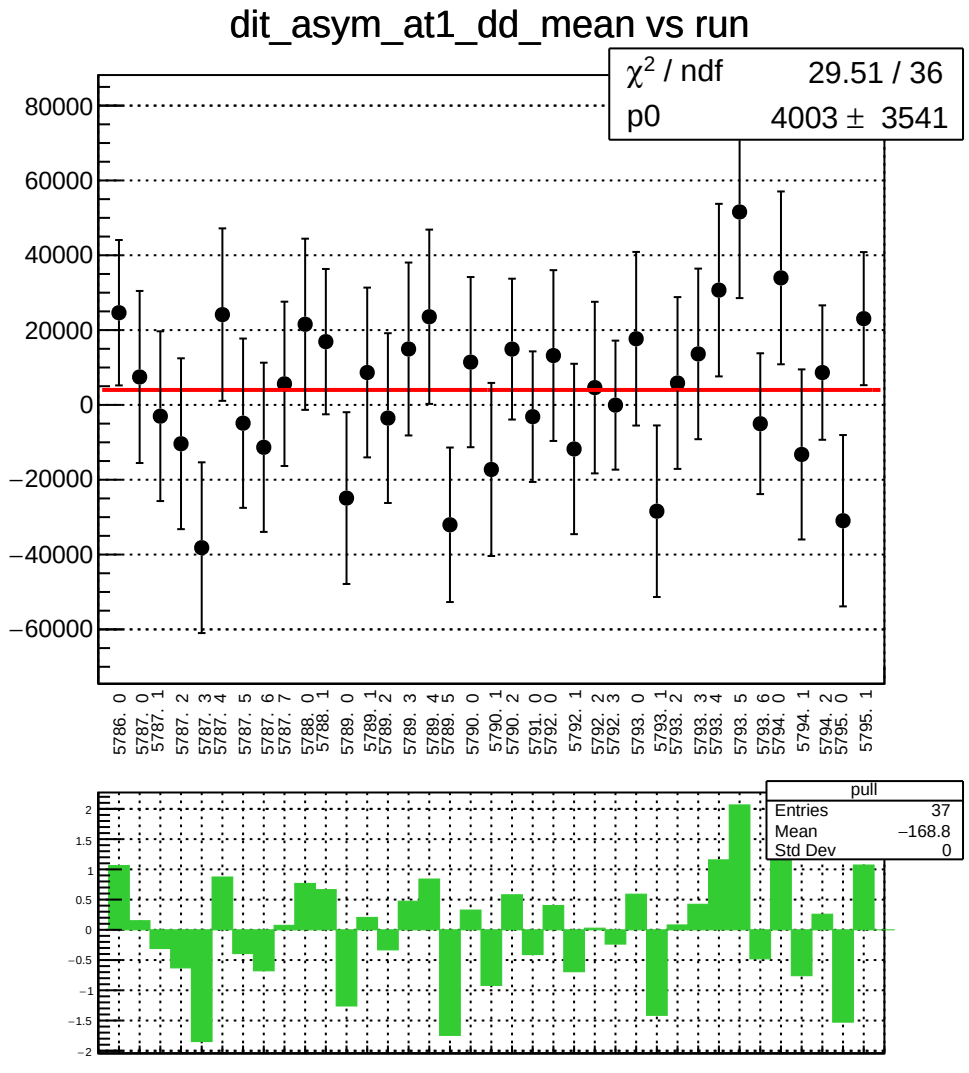

eigen_cor_asym_at1_dd_mean vs run
χ² / ndf 29.66 / 36
p0 3710 ± 3539
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −157.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.007178
Std Dev 0.8953
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

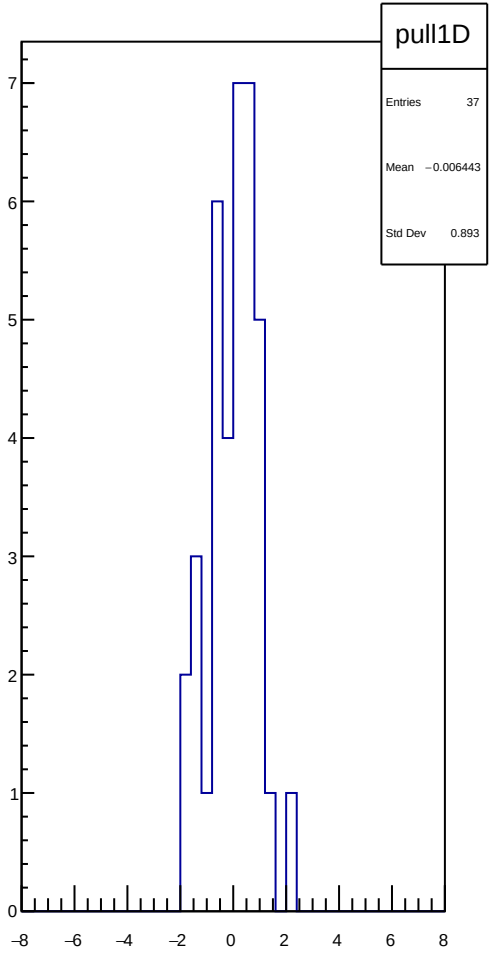

eigen_cor_asym_at1_dd_rms vs run
χ² / ndf 42.7 / 36
p0 2172 ± 2.503
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

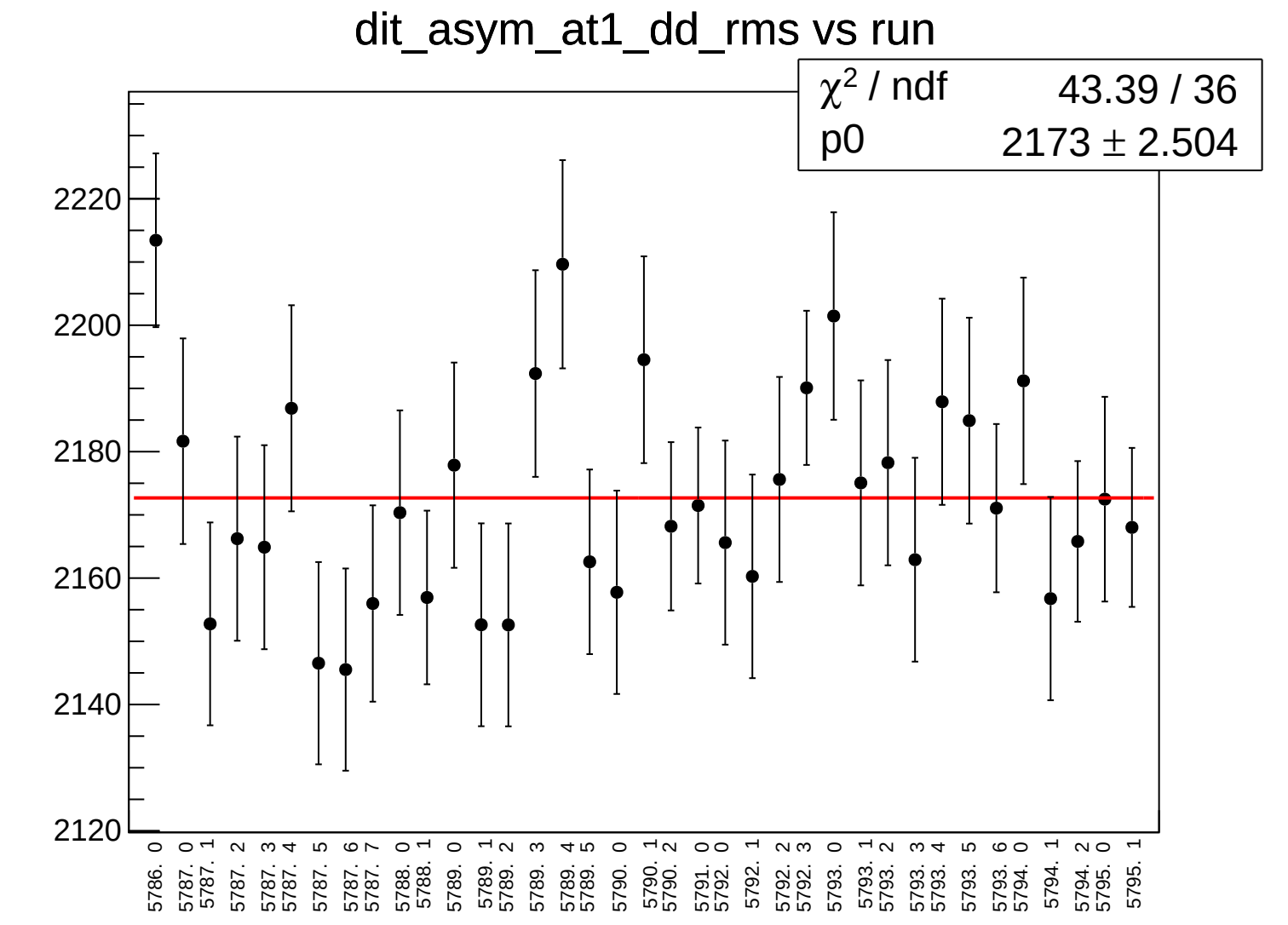

asym_at1_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.07 / 36
p0 −4056 ± 2144
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.93
Std Dev 0
2
1
0
−1
−2

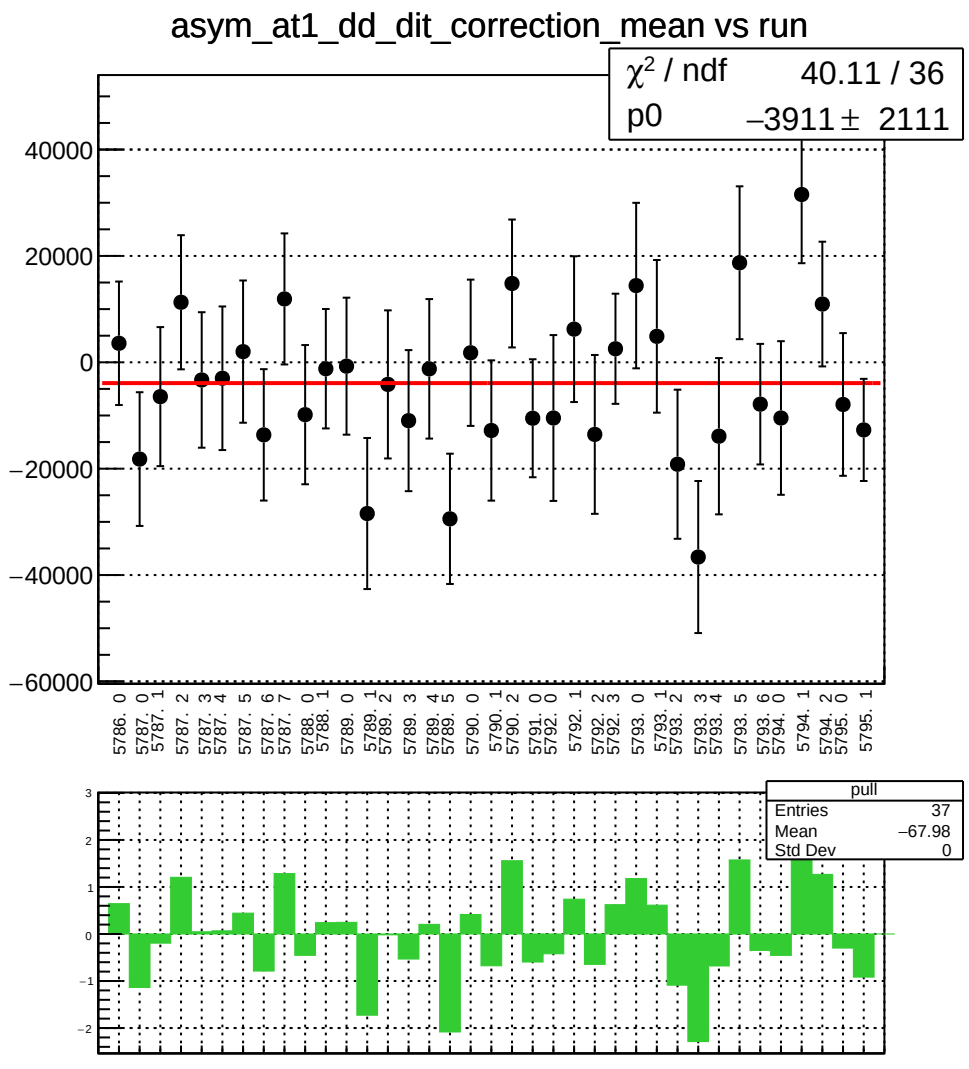

pull1D
Entries 37
Mean −0.01296
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

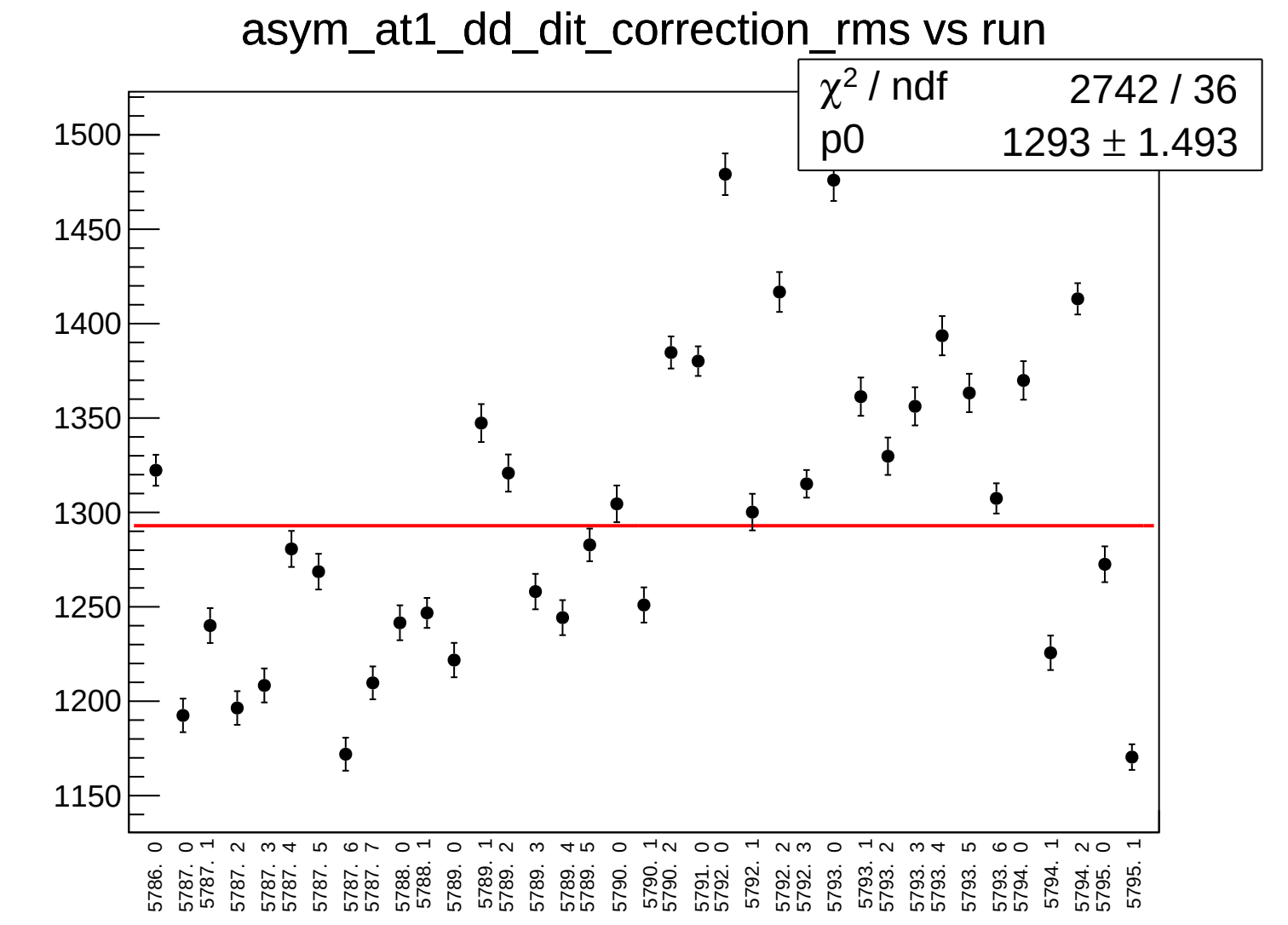

asym_at1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3131 / 36
p0 1313 ± 1.516
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

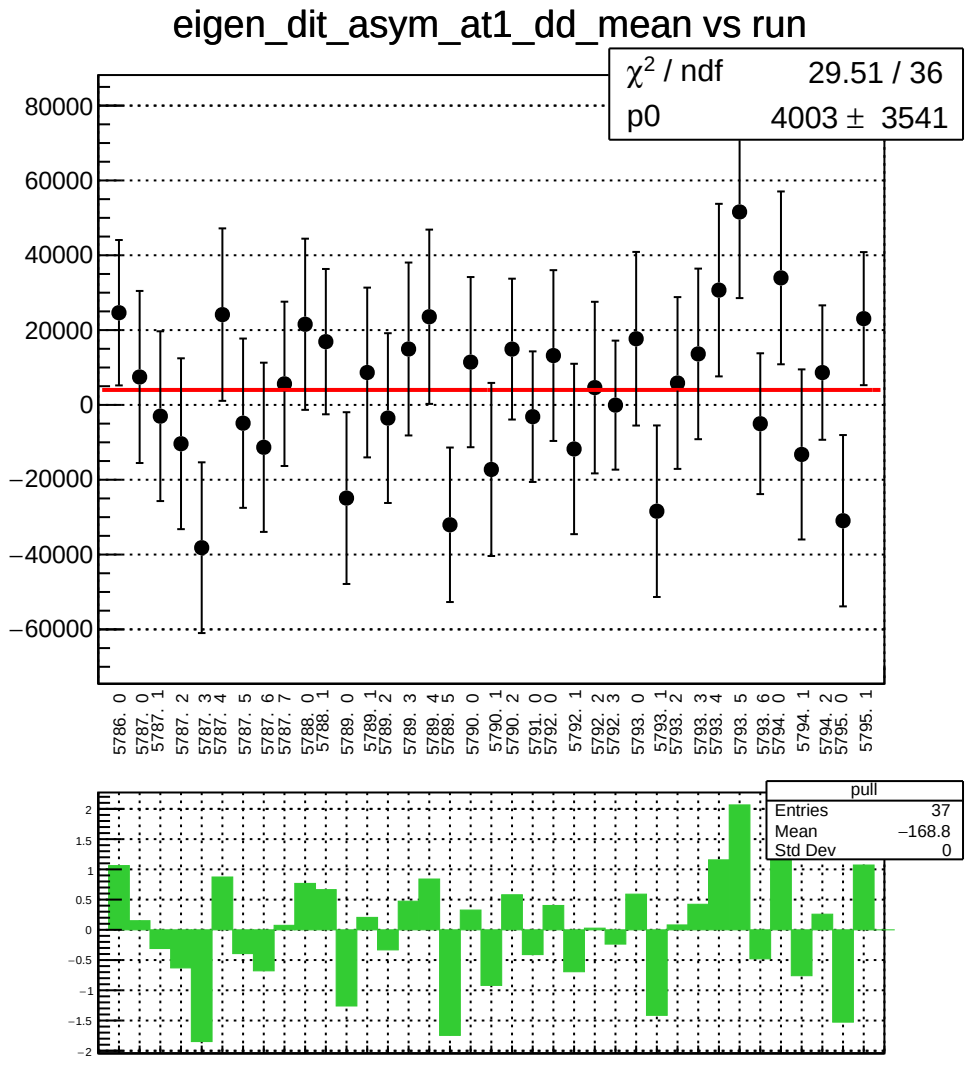

dit_asym_at1_dd_mean vs run
χ² / ndf 29.51 / 36
p0 4003 ± 3541
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −168.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

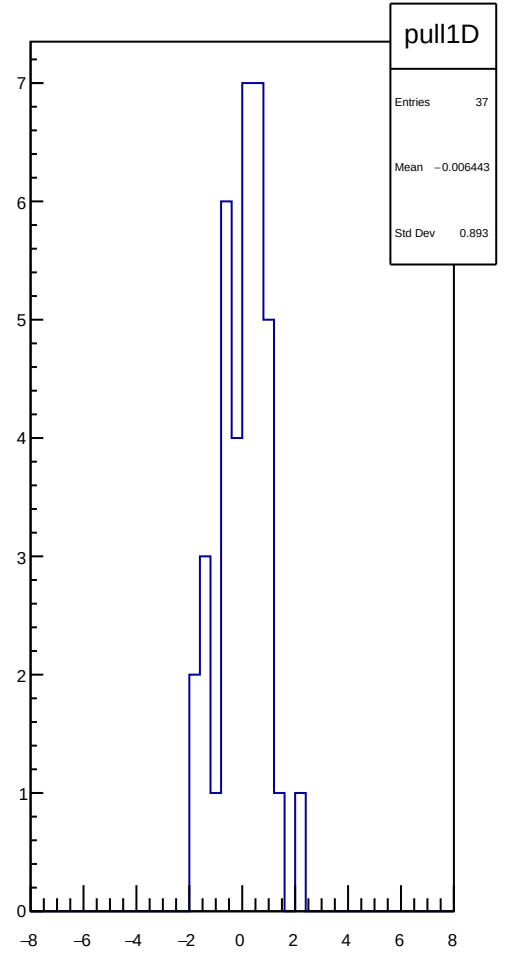

pull1D
Entries 37
Mean −0.006443
Std Dev 0.893
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

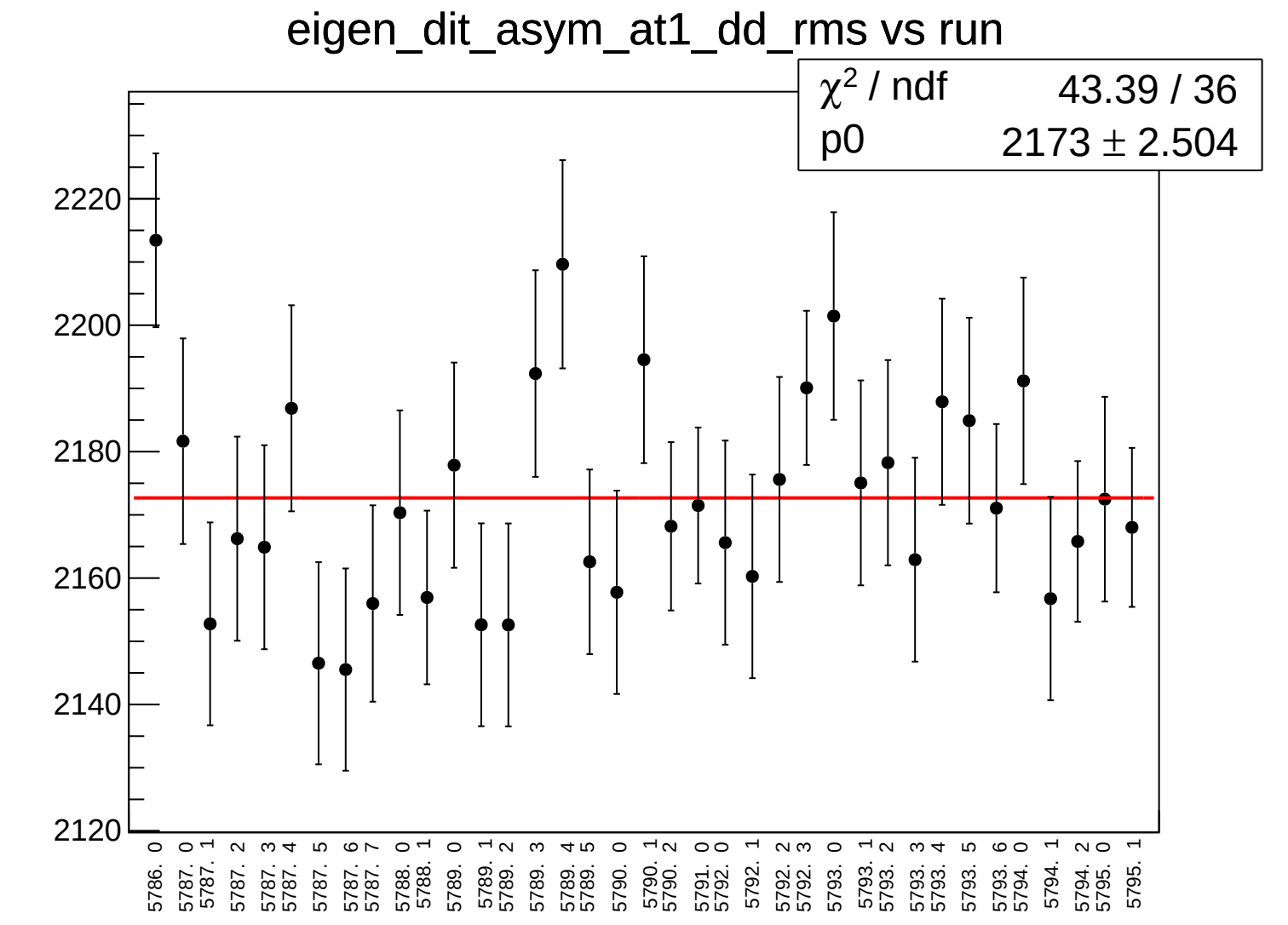

dit_asym_at1_dd_rms vs run
χ² / ndf 43.39 / 36
p0 2173 ± 2.504
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

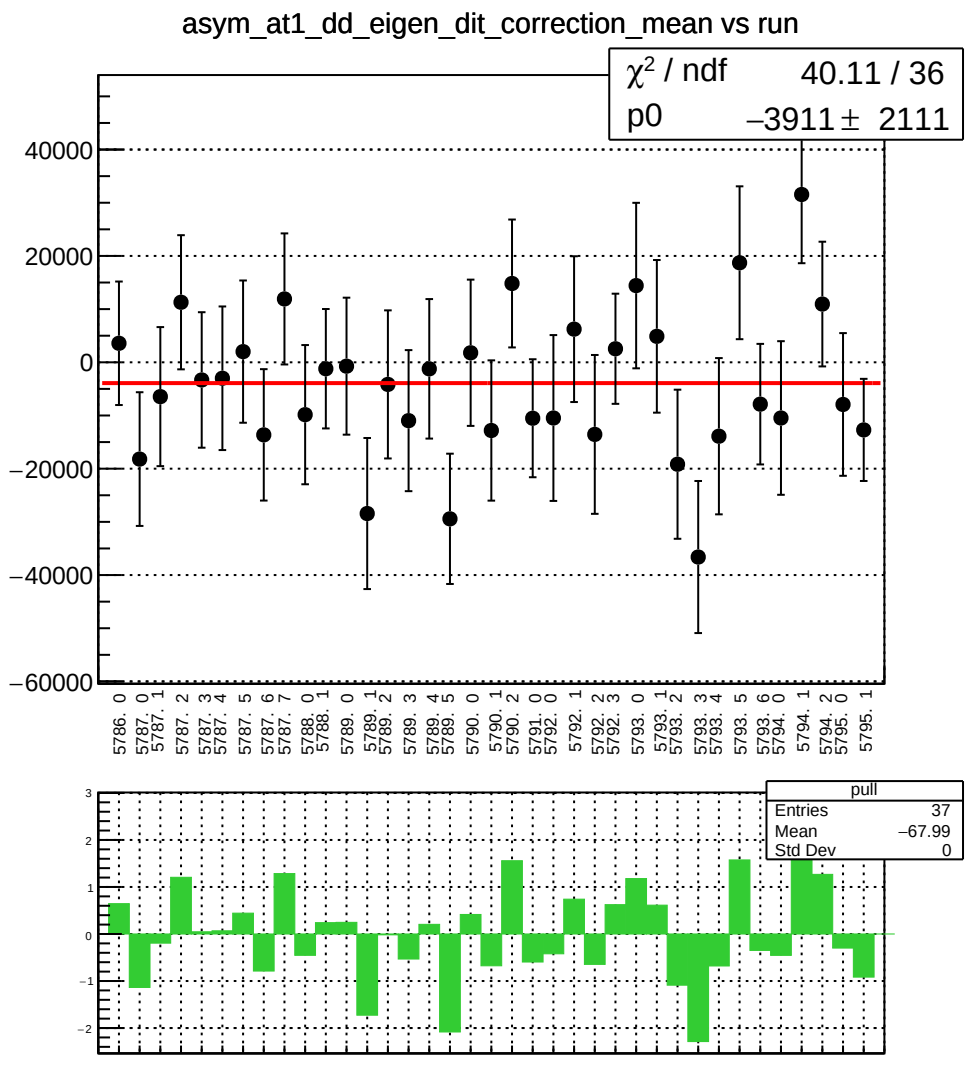

asym_at1_dd_dit_correction_mean vs run
χ² / ndf 40.11 / 36
p0 −3911 ± 2111
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.98
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.006658
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

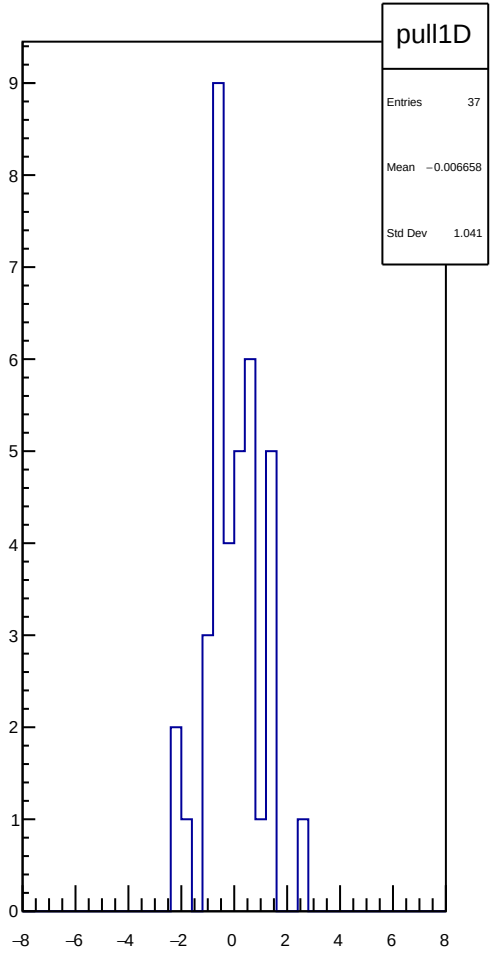

asym_at1_dd_dit_correction_rms vs run
χ² / ndf 2742 / 36
p0 1293 ± 1.493
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

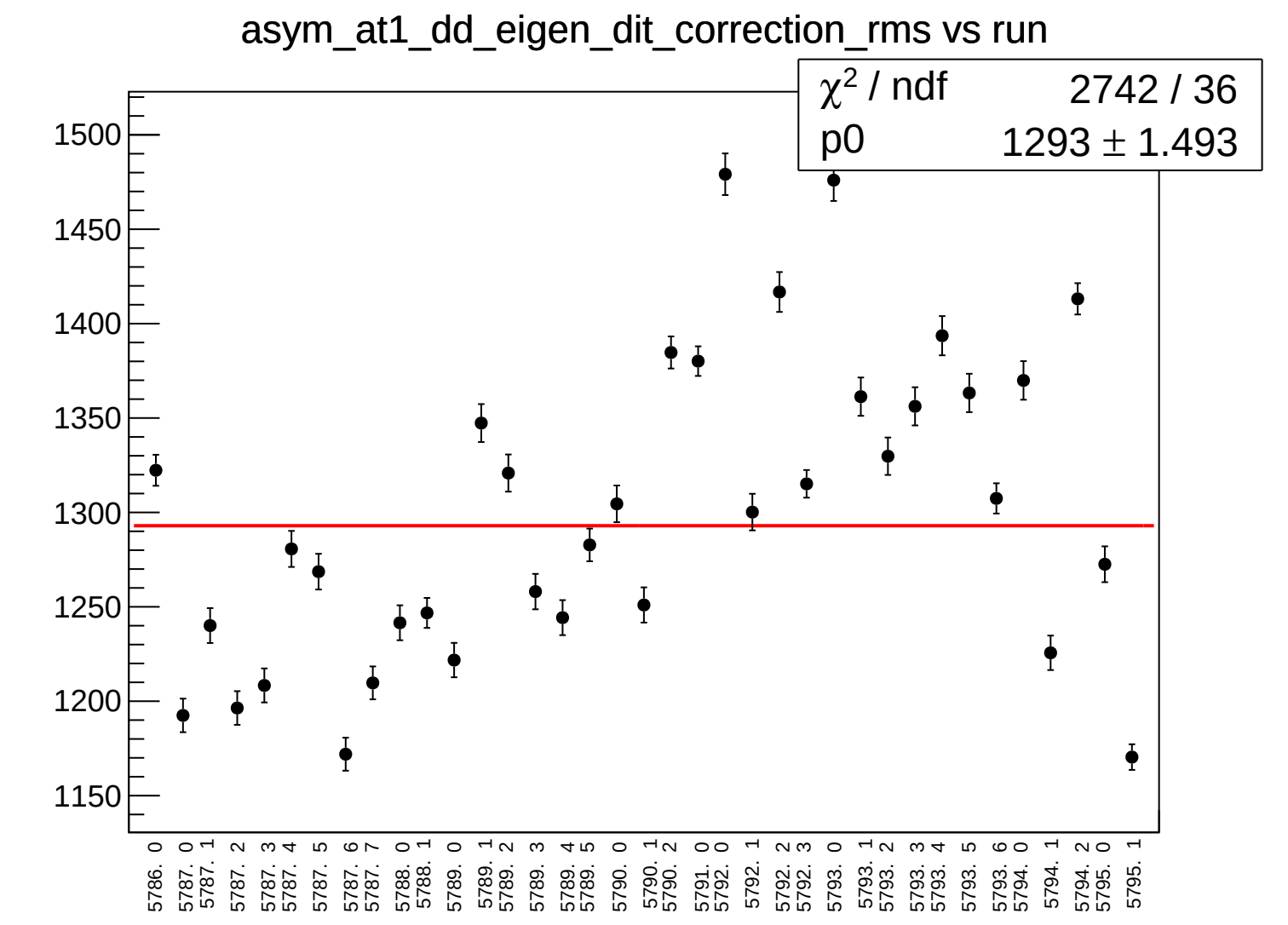

eigen_dit_asym_at1_dd_mean vs run
χ² / ndf 29.51 / 36
p0 4003 ± 3541
pull
Entries 37
Mean −168.8
Std Dev 0

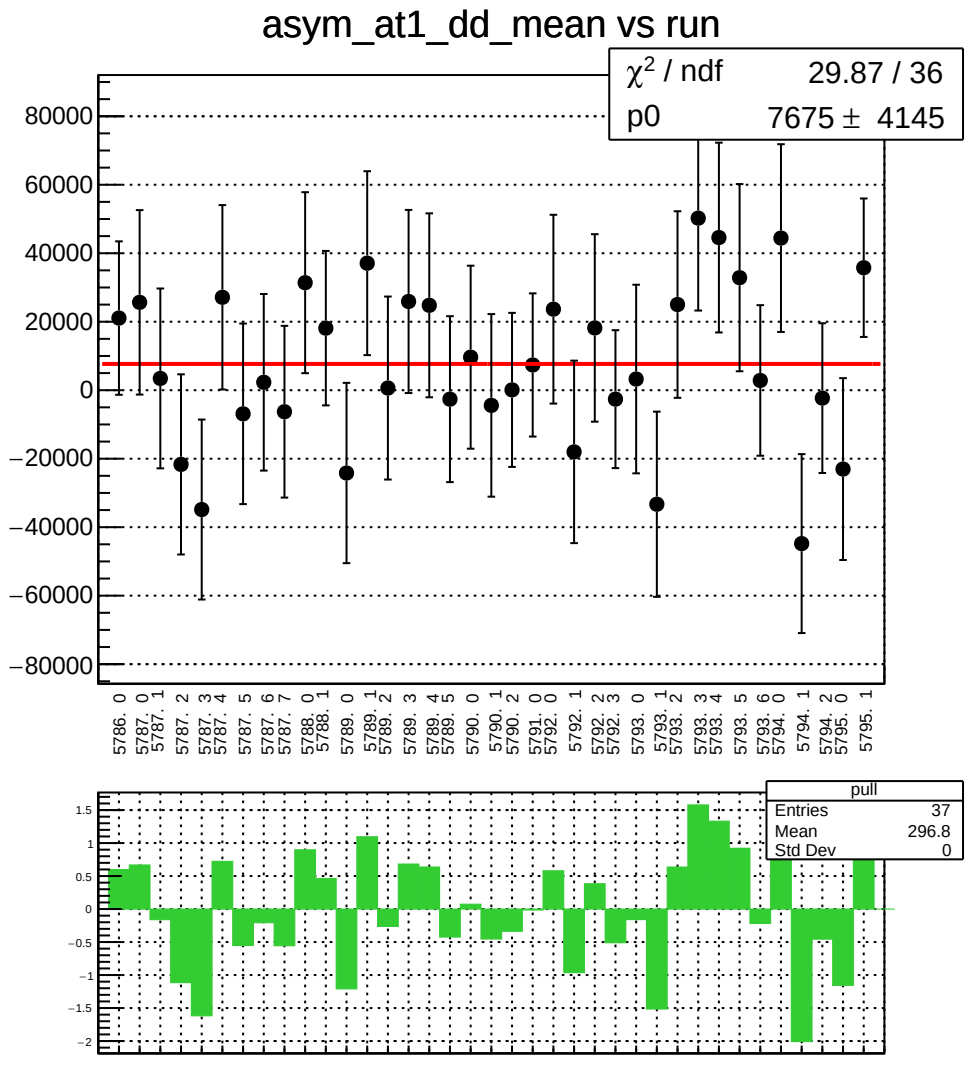

pull1D
Entries 37
Mean −0.006443
Std Dev 0.893

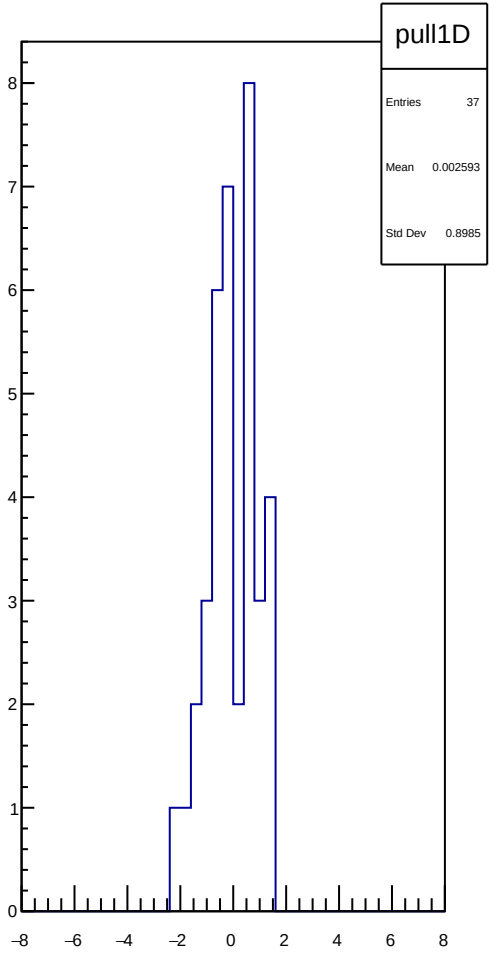

eigen_dit_asym_at1_dd_rms vs run
χ² / ndf 43.39 / 36
p0 2173 ± 2.504
2220
2200
2180
2160
2140
2120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

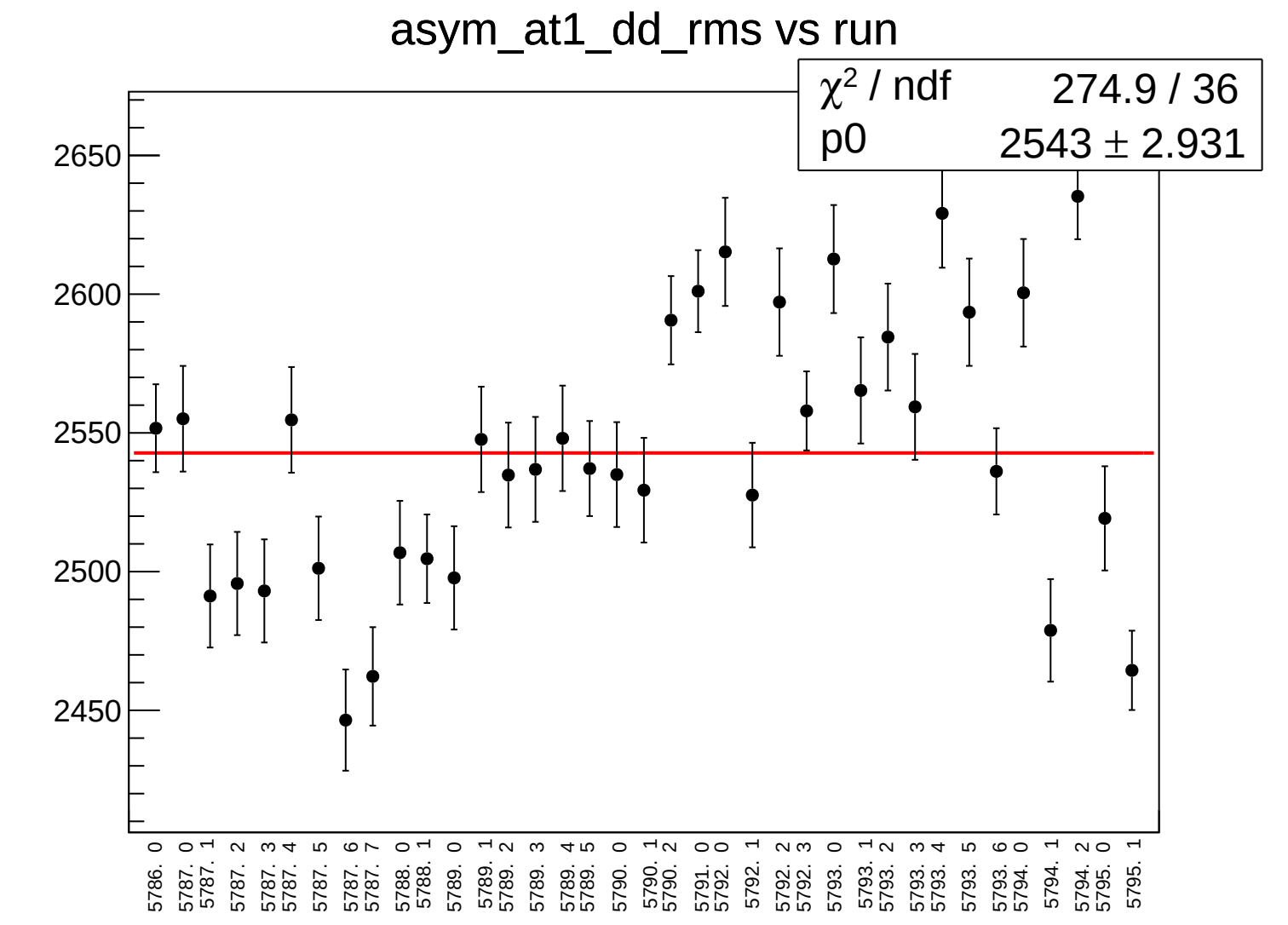

asym_at1_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.11 / 36
p0 −3911 ± 2111
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.99
Std Dev 0
3
2
1
0
−1
−2

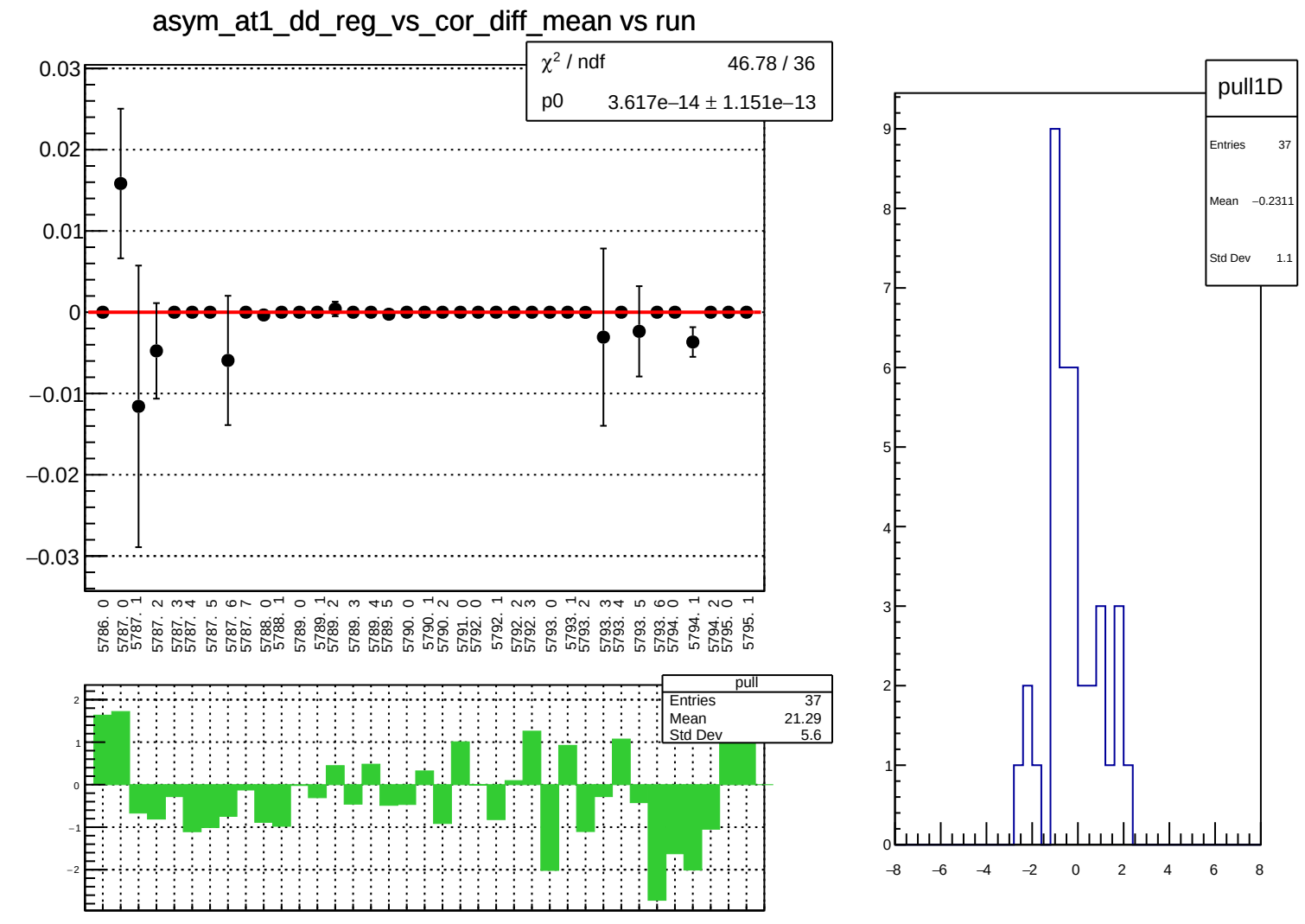

pull1D
Entries 37
Mean −0.006658
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

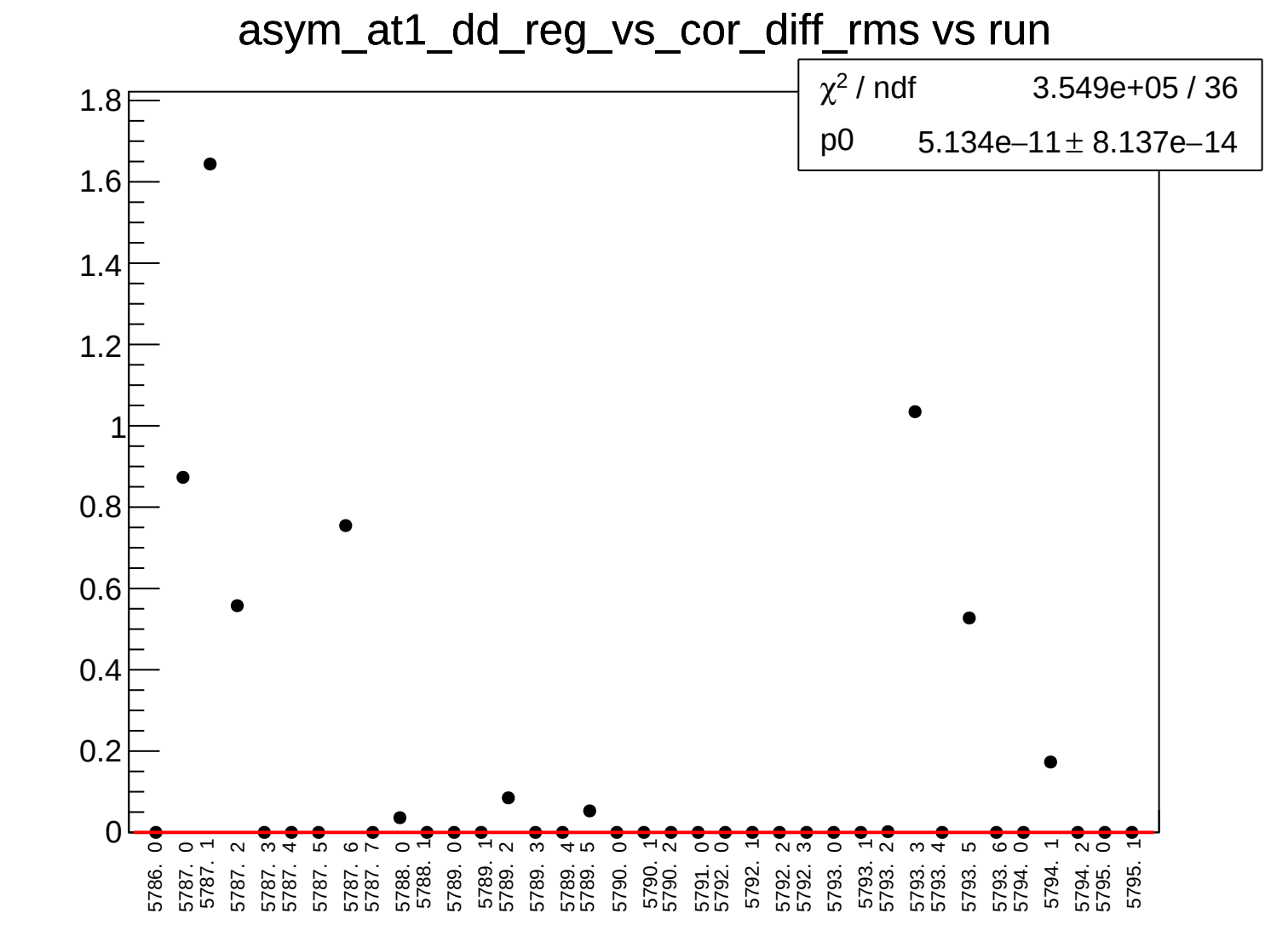

asym_at1_dd_eigen_dit_correction_rms vs run
χ² / ndf 2742 / 36
p0 1293 ± 1.493
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_dd_mean vs run
χ² / ndf 29.87 / 36
p0 7675 ± 4145
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 296.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.002593
Std Dev 0.8985
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_rms vs run
χ² / ndf 274.9 / 36
p0 2543 ± 2.931
2650
2600
2550
2500
2450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.78 / 36
p0 3.617e−14 ± 1.151e−13
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 21.29
Std Dev 5.6
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.2311
Std Dev 1.1
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.549e+05 / 36
p0 5.134e−11 ± 8.137e−14
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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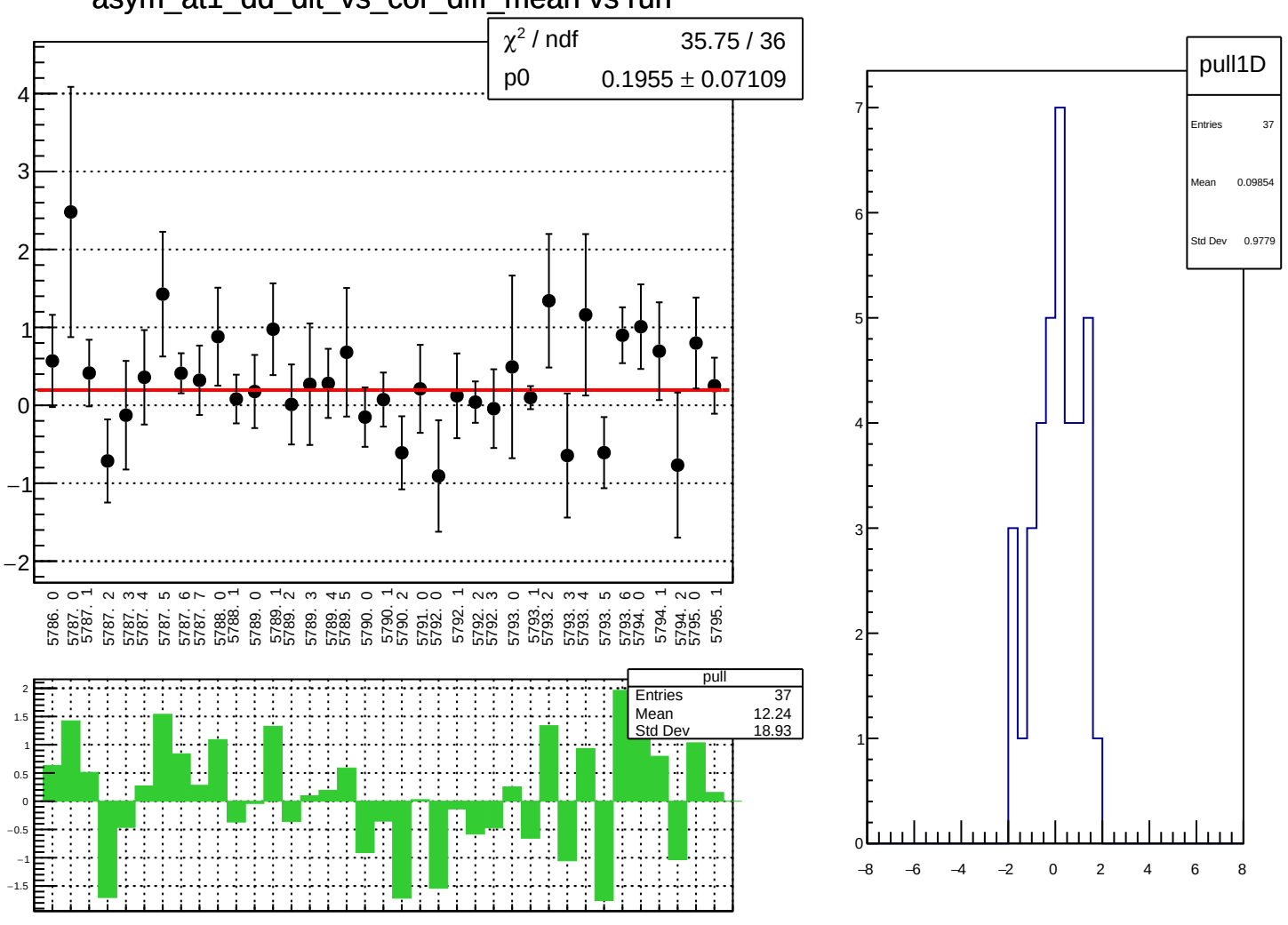
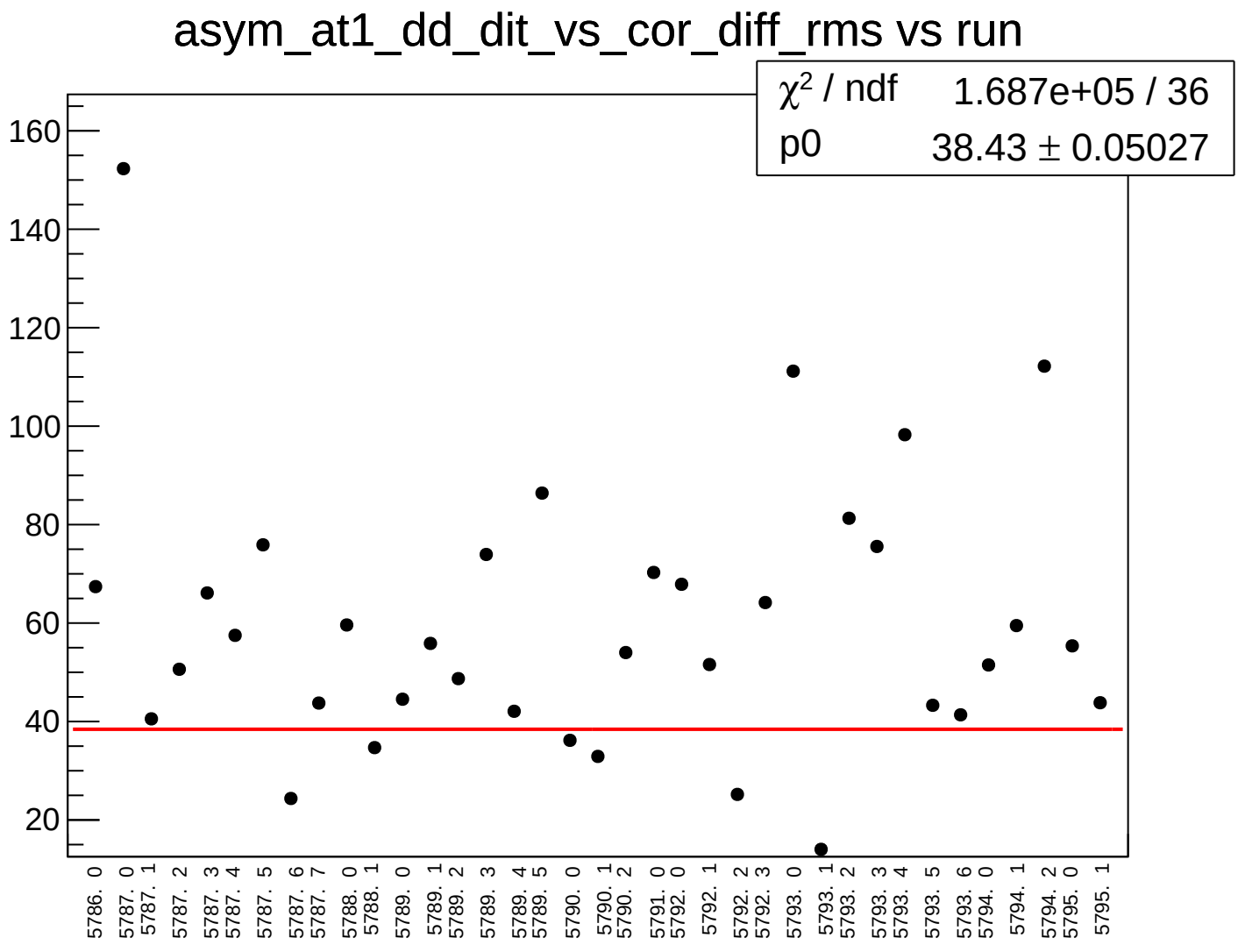
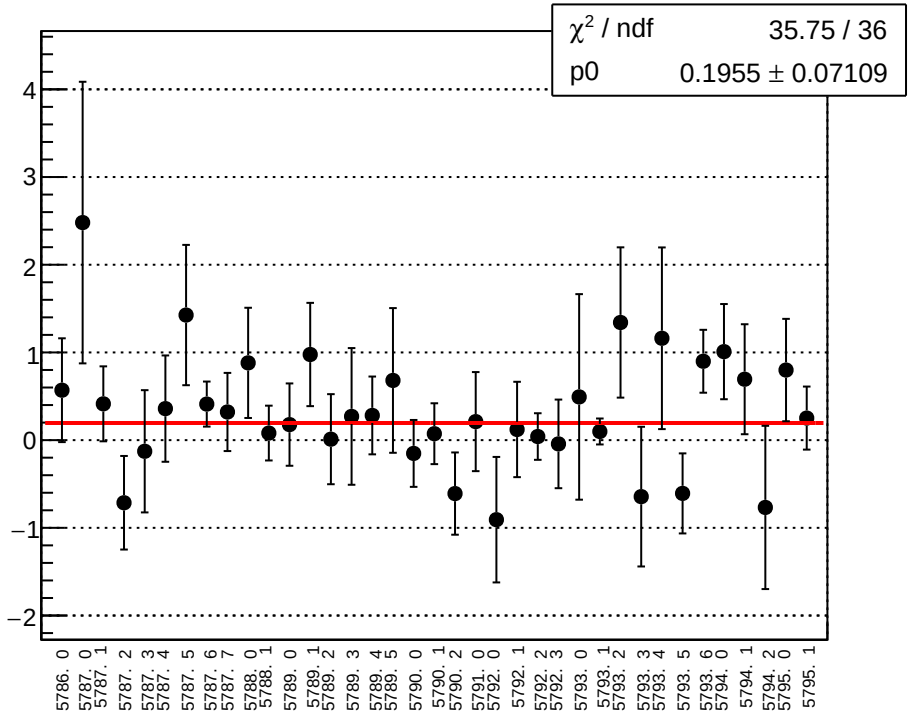
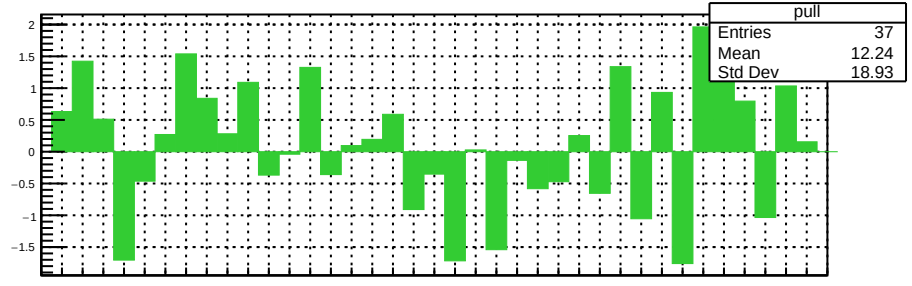
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

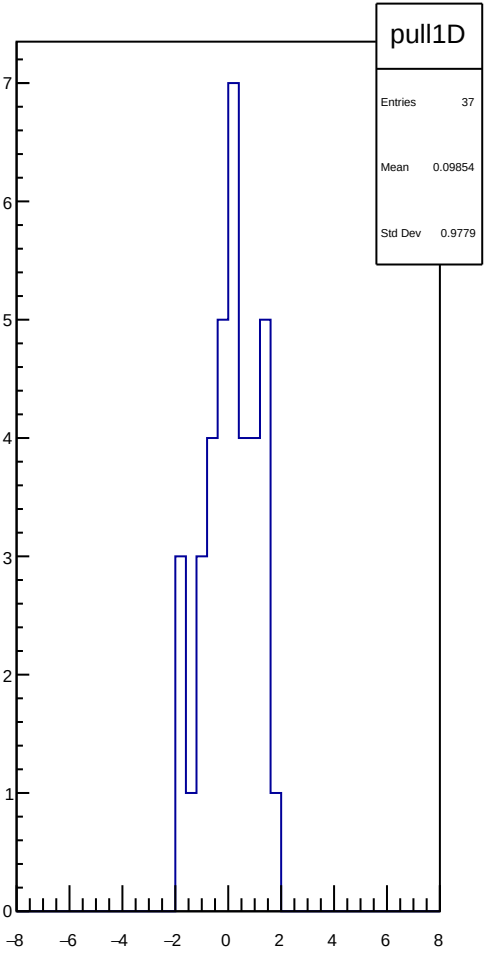

asym_at1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 35.75 / 36
p0 0.1955 ± 0.07109
pull
Entries 37
Mean 12.24
Std Dev 18.93
pull1D
Entries 37
Mean 0.09854
Std Dev 0.9779

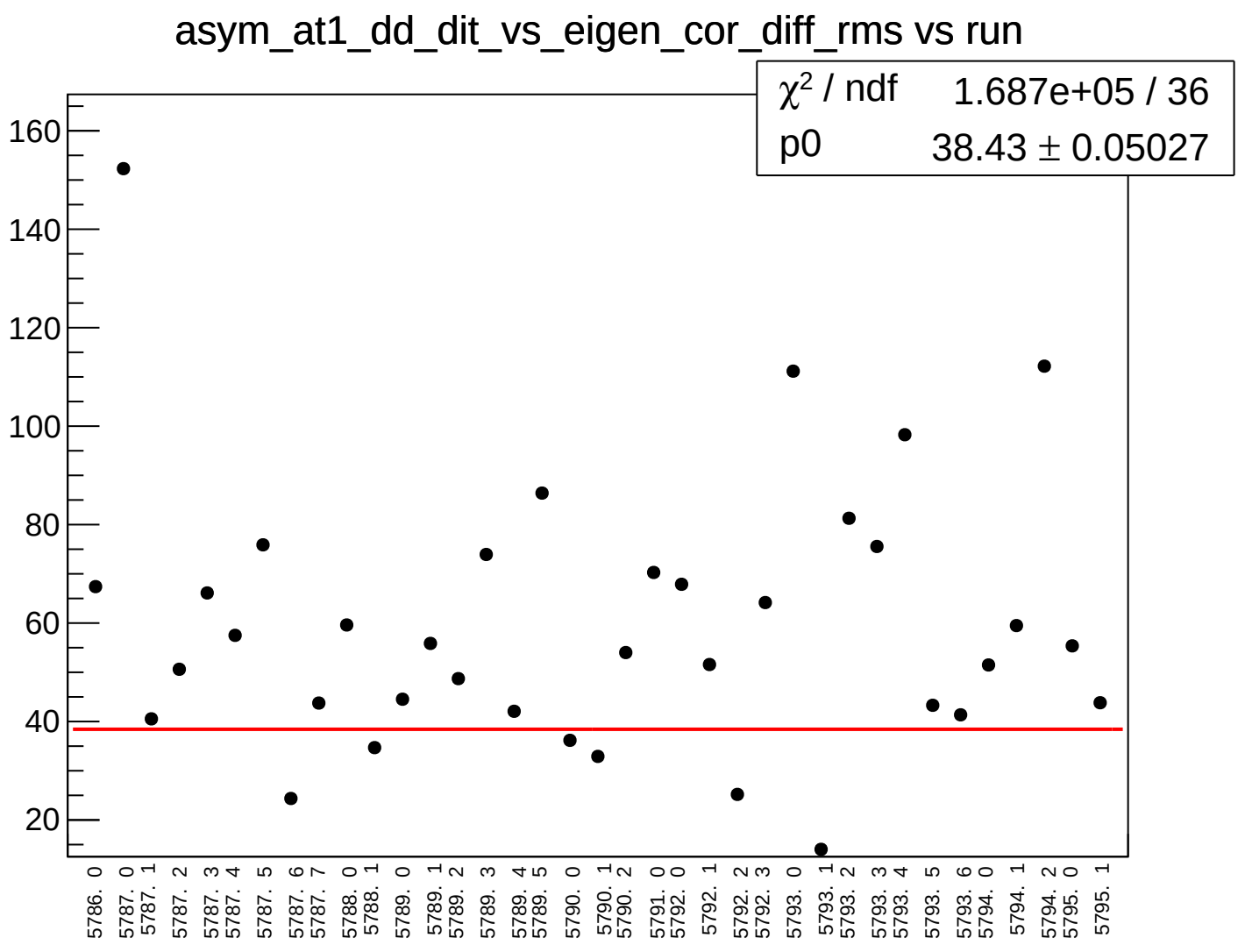

asym_at1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.687e+05 / 36
p0 38.43 ± 0.05027
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

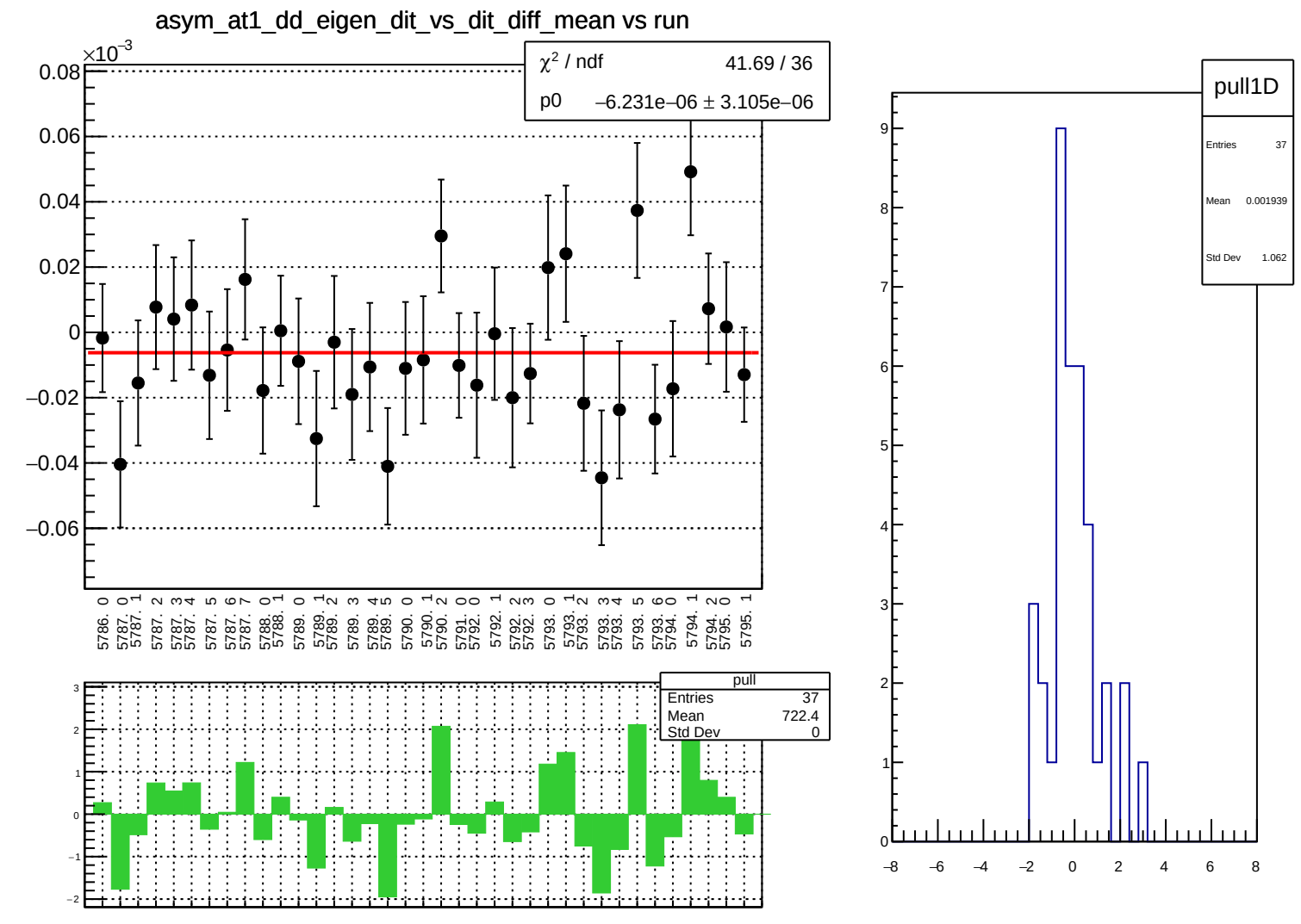
asym_at1_dd_dit_vs_eigen_cor_diff_mean vs run

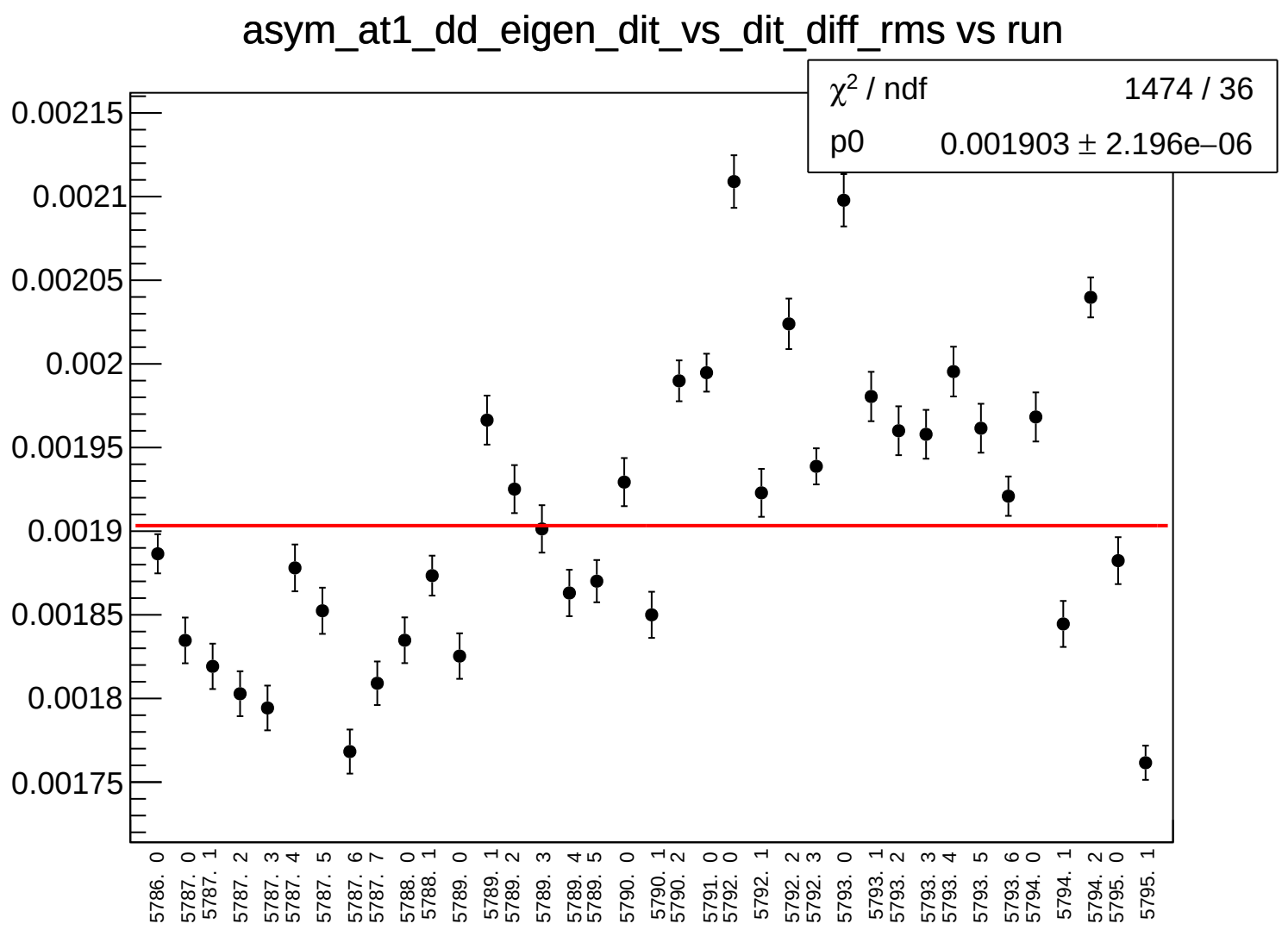







asym_at1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.687e+05 / 36
p0 38.43 ± 0.05027
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.69 / 36
p0 −6.231e−06 ± 3.105e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 722.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.001939
Std Dev 1.062
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1474 / 36
p0 0.001903 ± 2.196e−06
0.00215
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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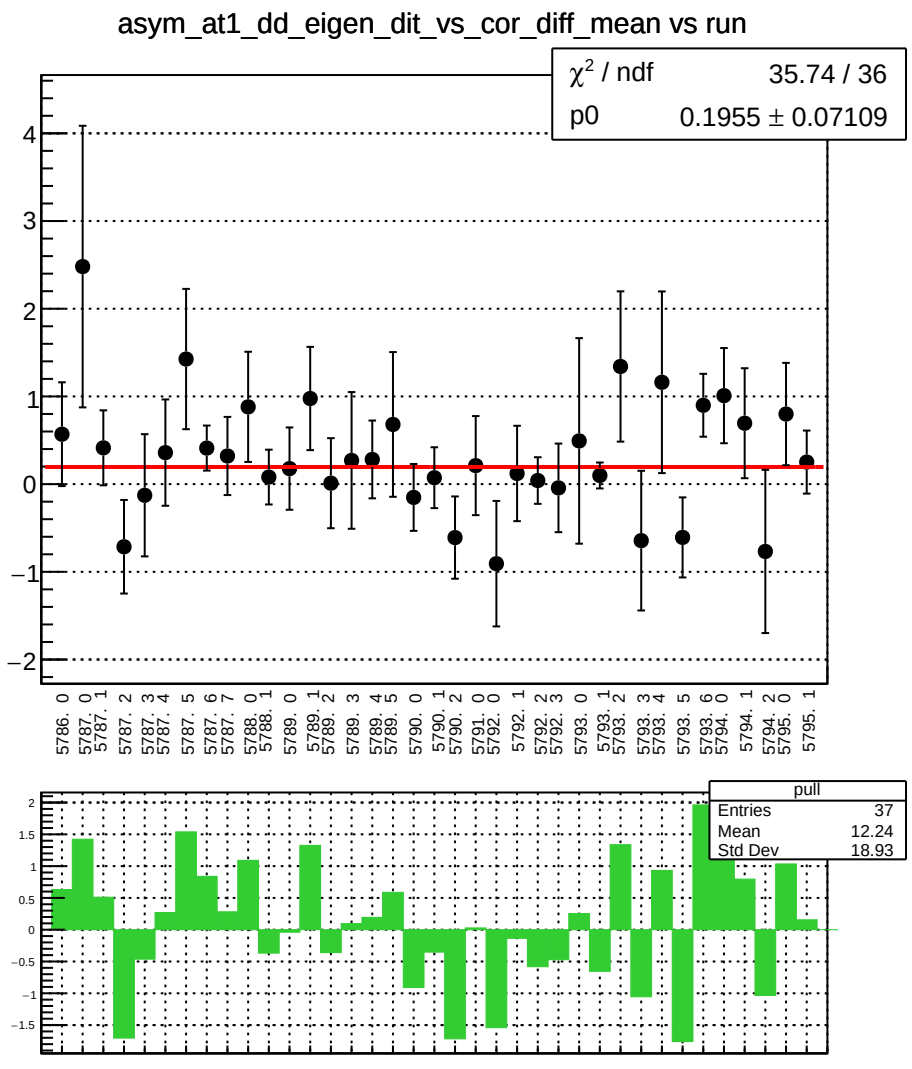
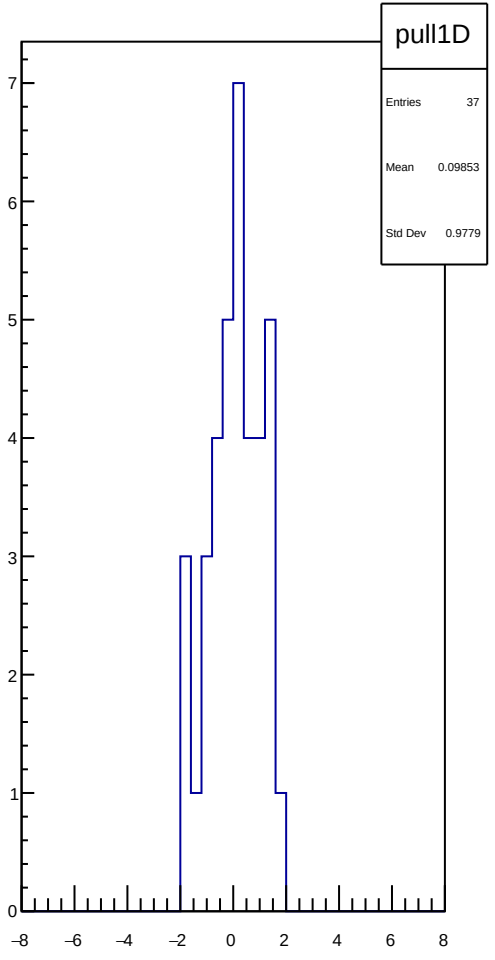
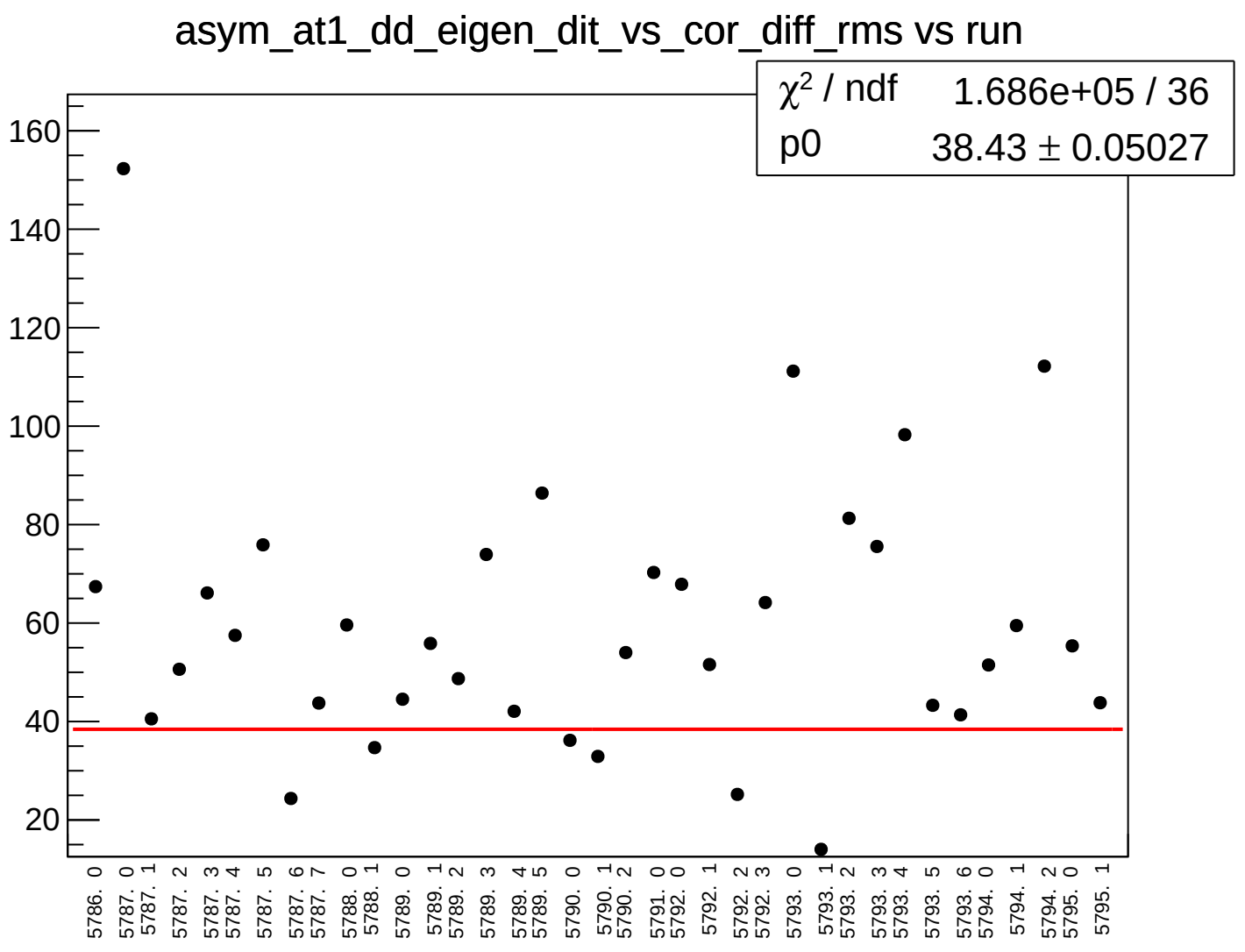
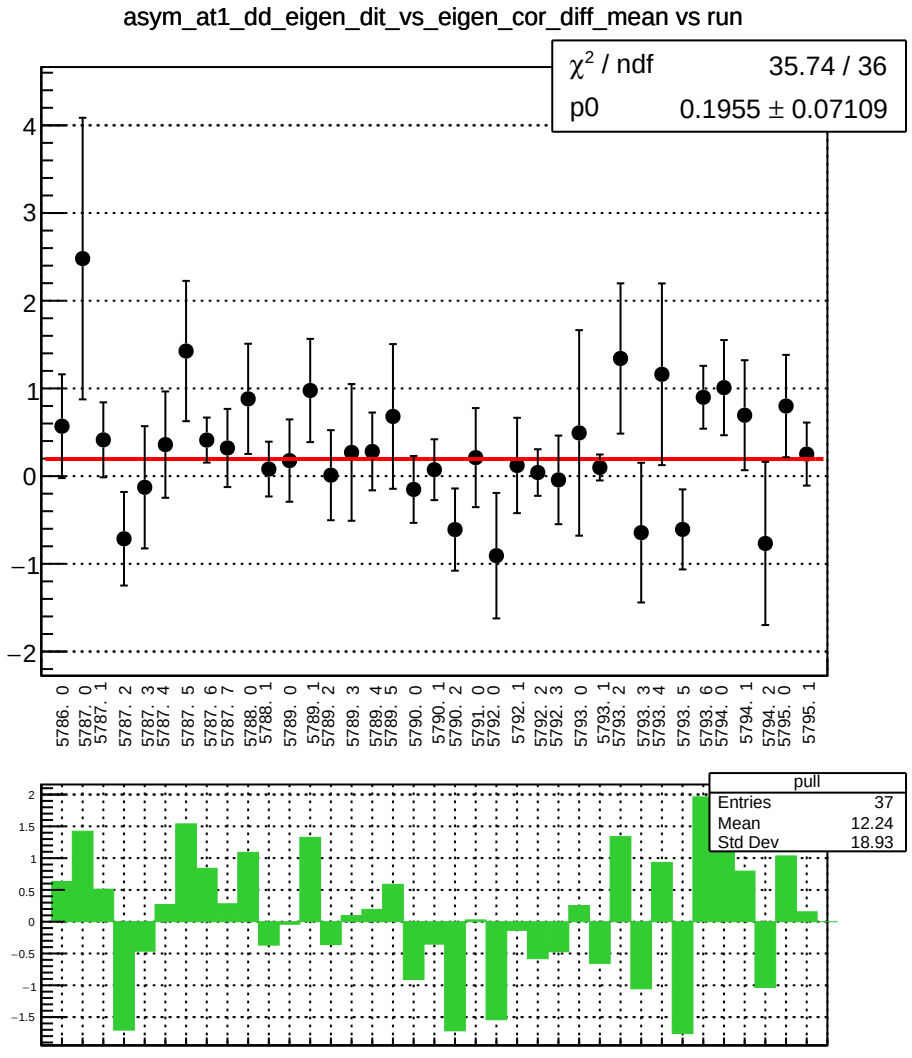
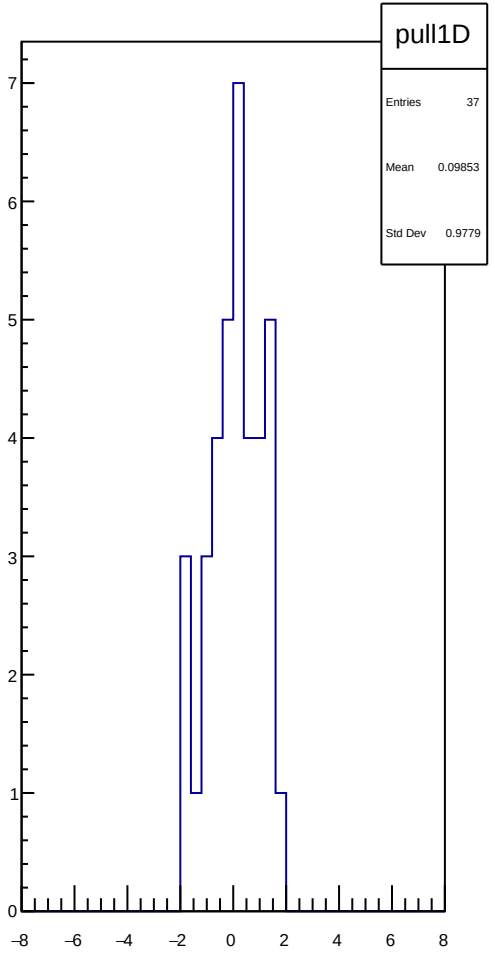
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

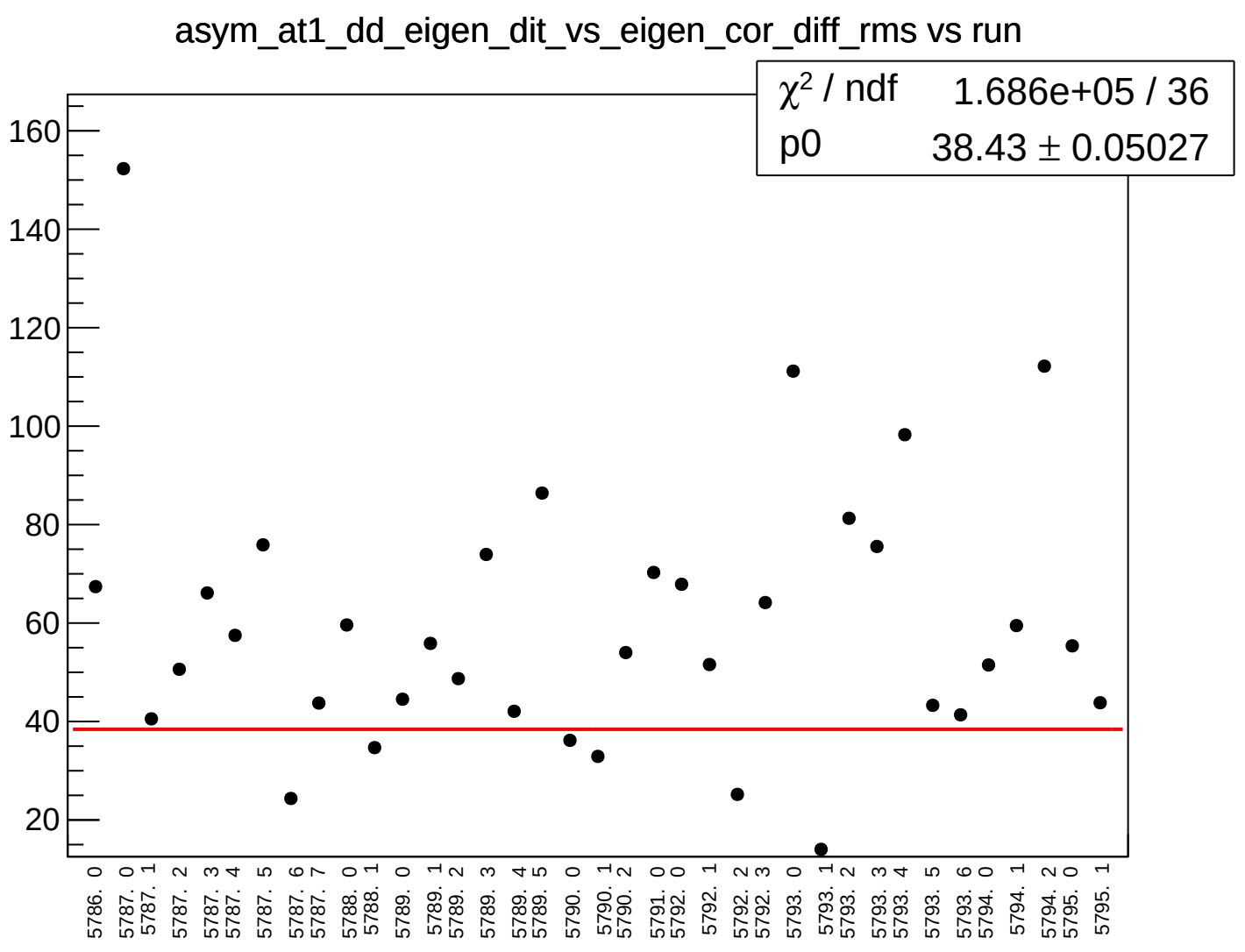

asym_at1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.74 / 36
p0 0.1955 ± 0.07109
pull
Entries 37
Mean 12.24
Std Dev 18.93

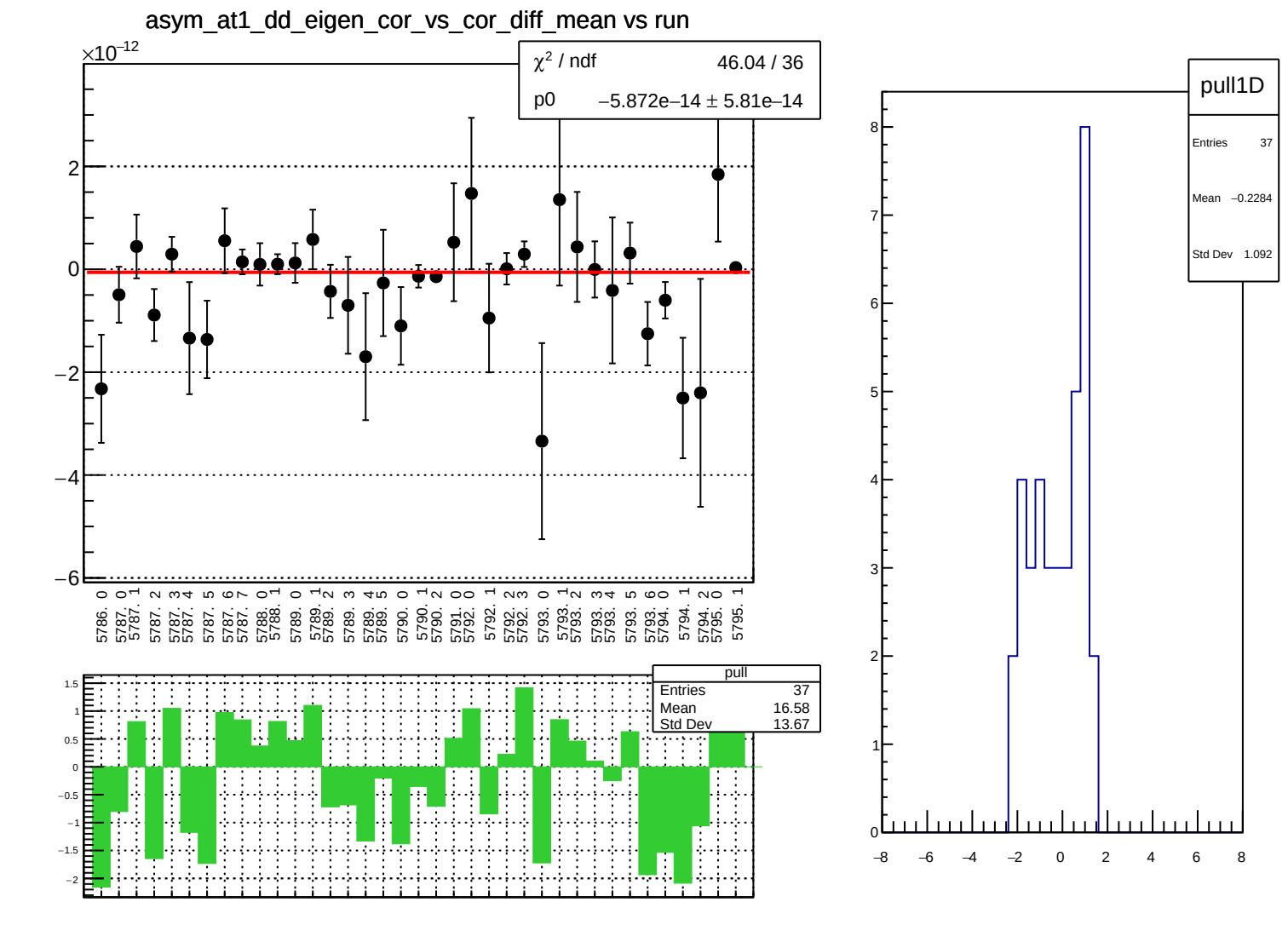

pull1D
Entries 37
Mean 0.09853
Std Dev 0.9779

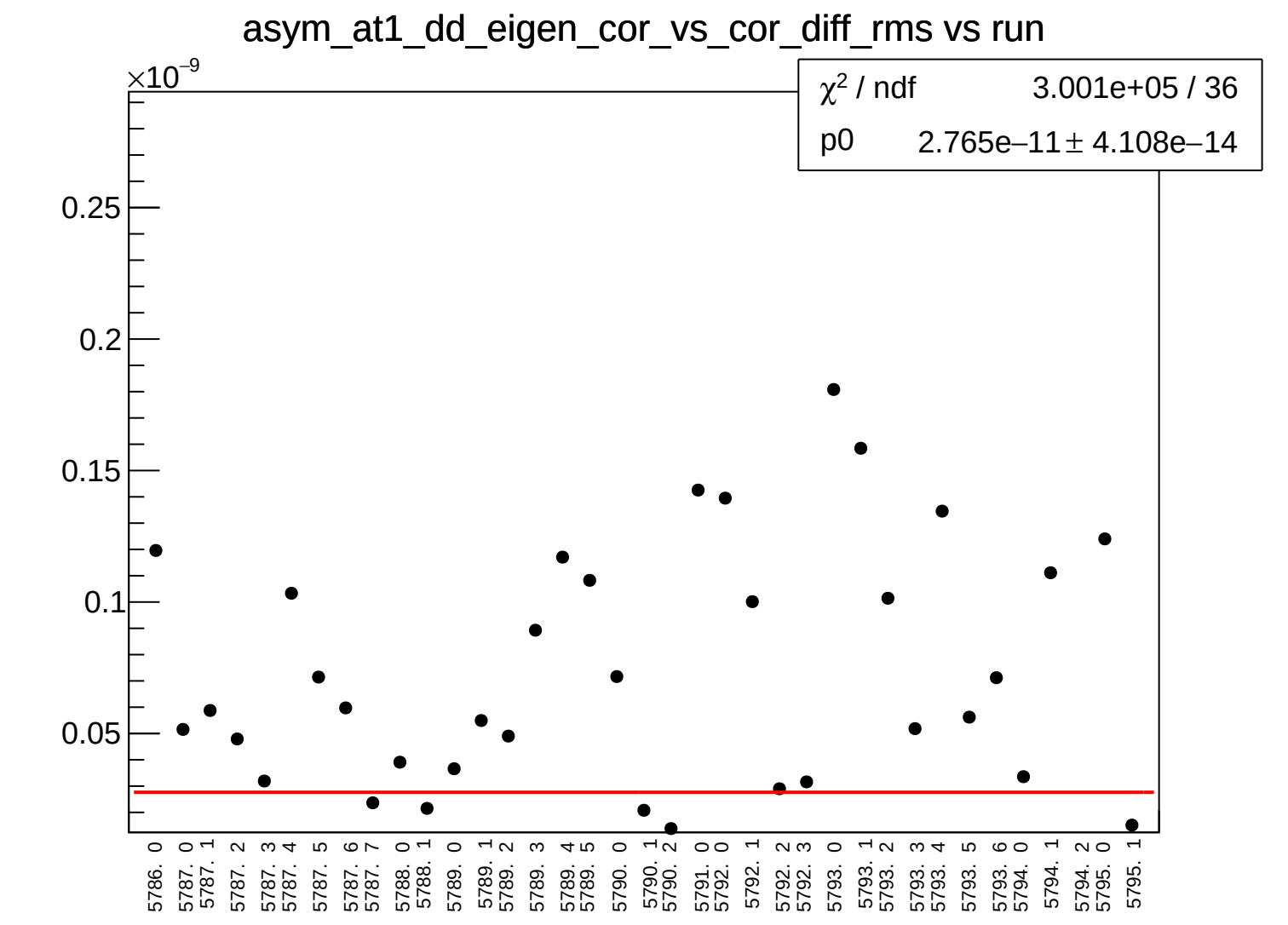

asym_at1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.686e+05 / 36
p0 38.43 ± 0.05027
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

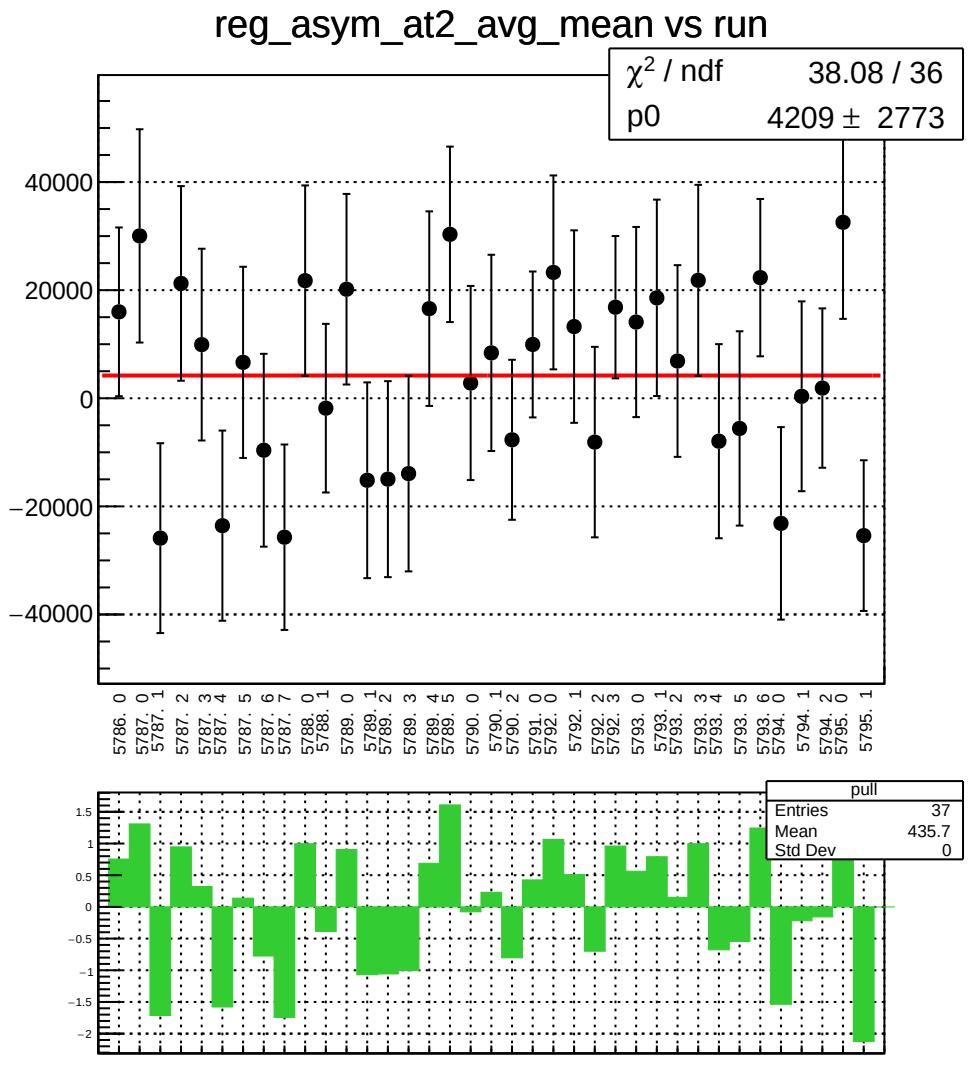

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.74 / 36
p0 0.1955 ± 0.07109
pull
Entries 37
Mean 12.24
Std Dev 18.93

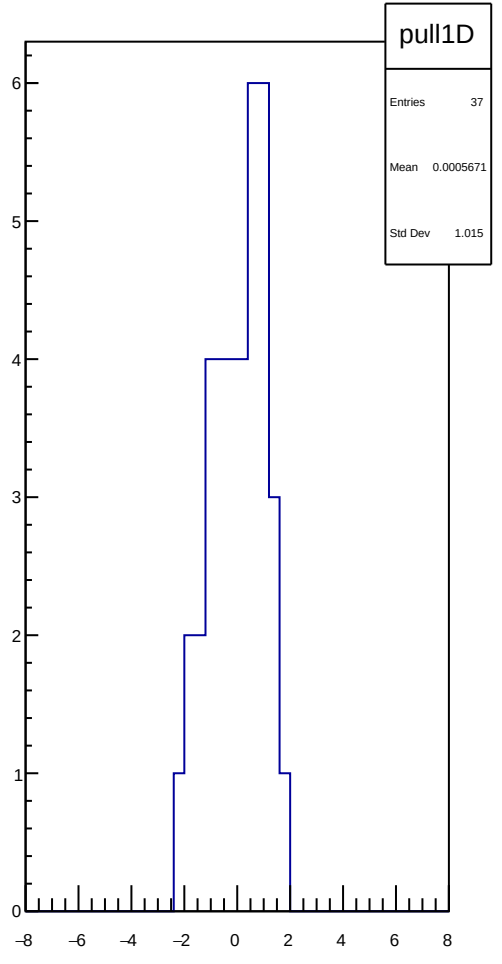

pull1D
Entries 37
Mean 0.09853
Std Dev 0.9779

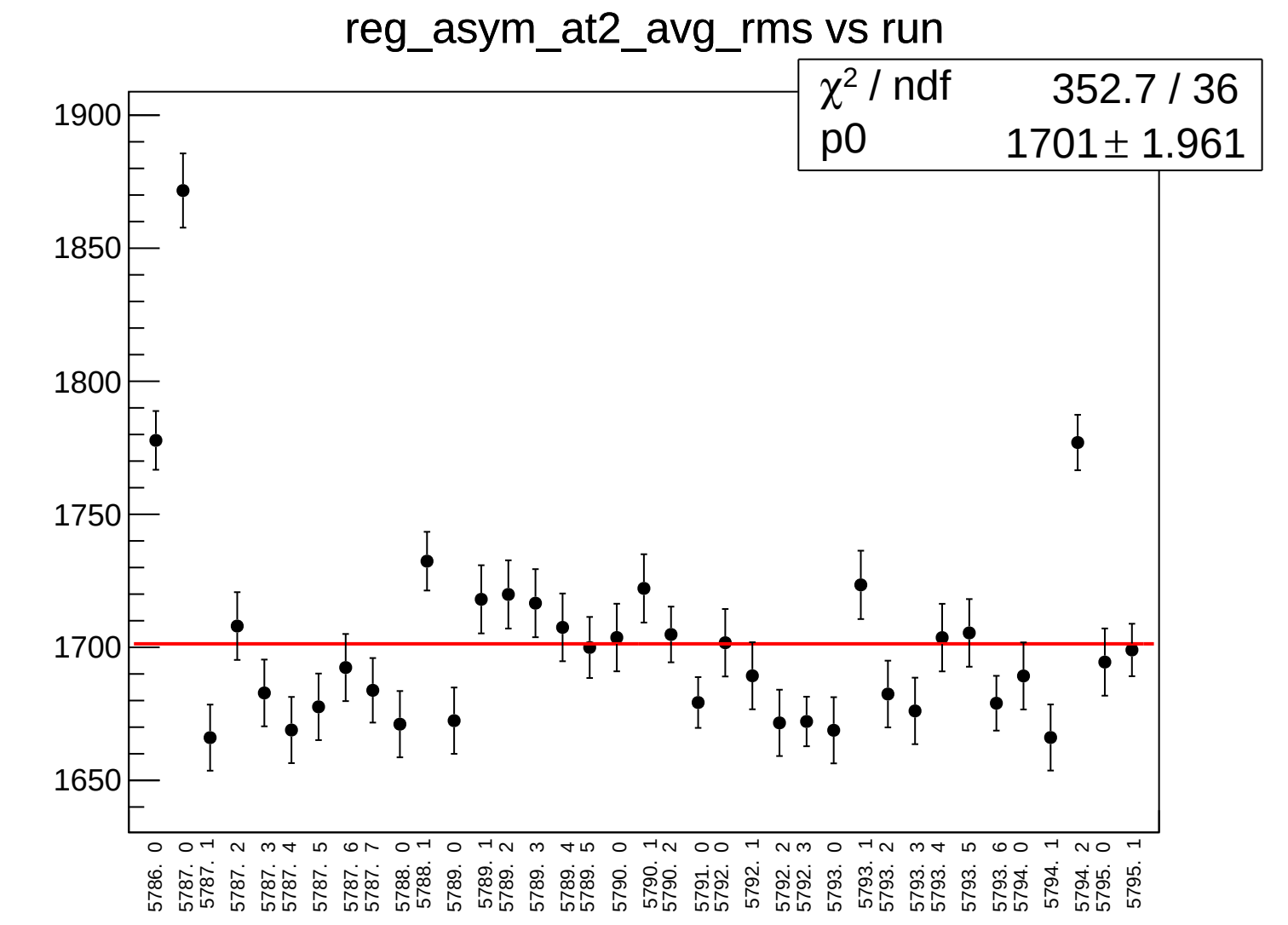

asym_at1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.686e+05 / 36
p0 38.43 ± 0.05027
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

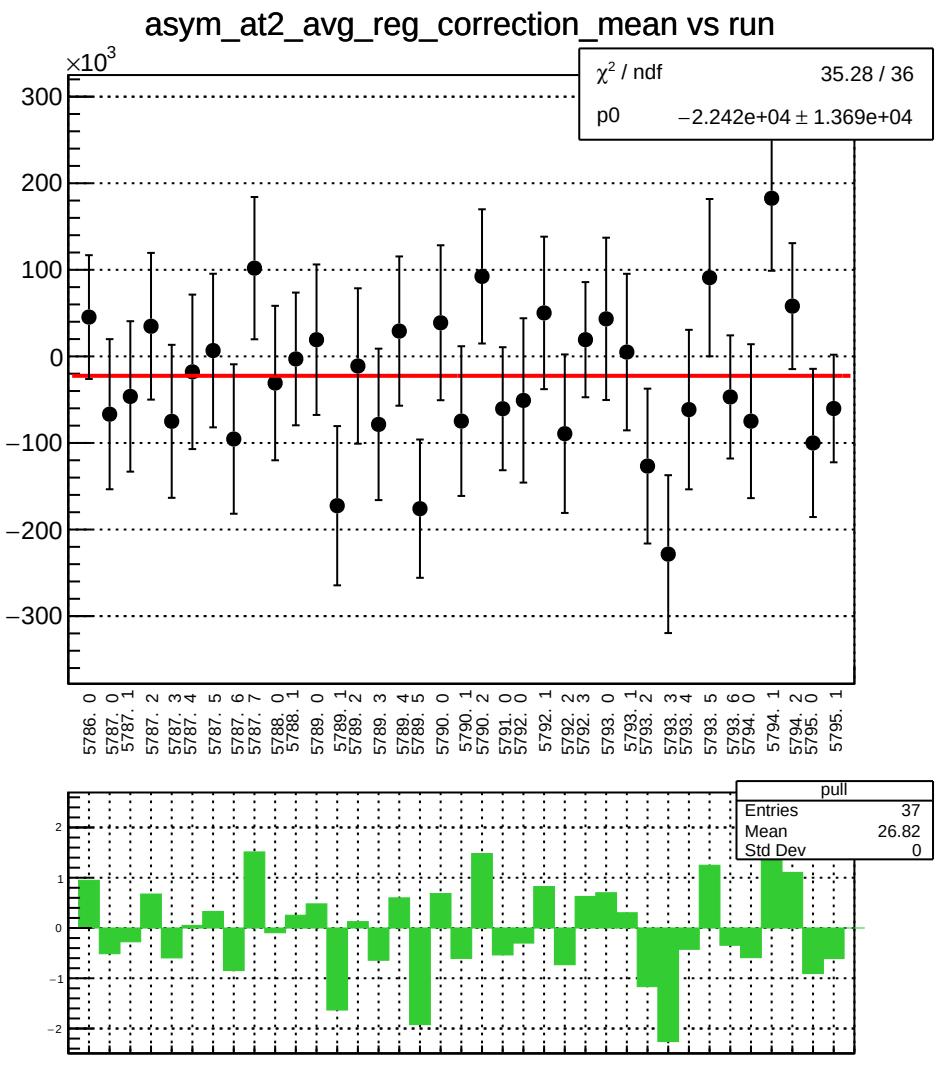

asym_at1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.04 / 36
p0 −5.872e−14 ± 5.81e−14
pull
Entries 37
Mean 16.58
Std Dev 13.67
pull1D
Entries 37
Mean −0.2284
Std Dev 1.092

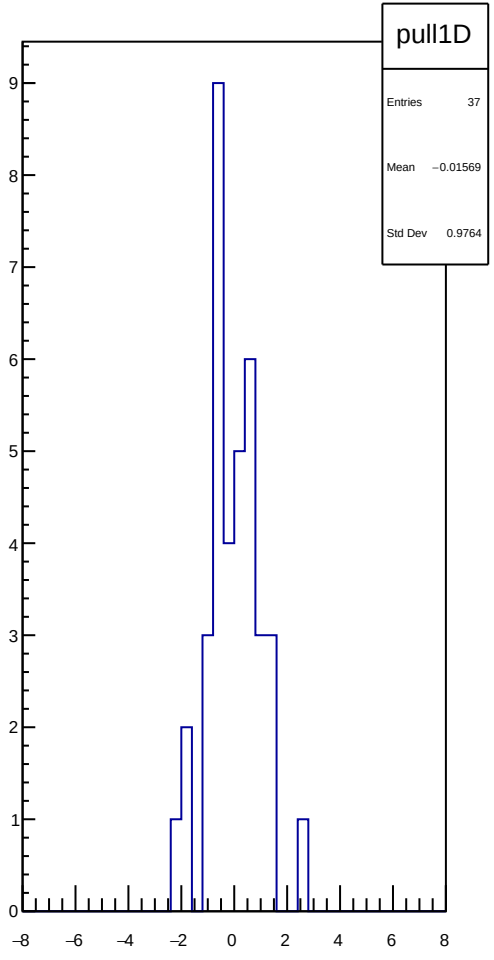

asym_at1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.001e+05 / 36
p0 2.765e−11 ± 4.108e−14
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

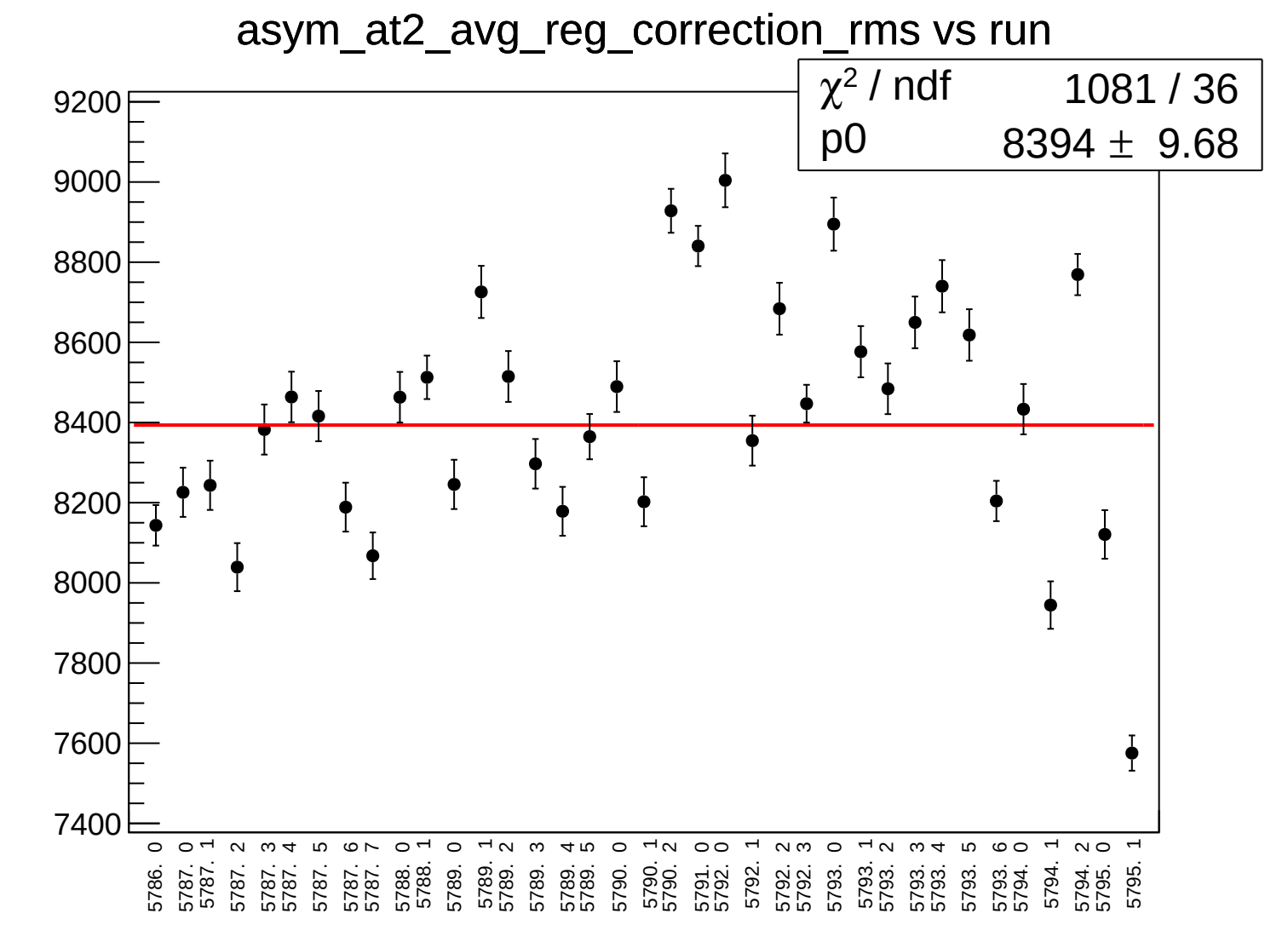

reg_asym_at2_avg_mean vs run
χ² / ndf 38.08 / 36
p0 4209 ± 2773
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 435.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

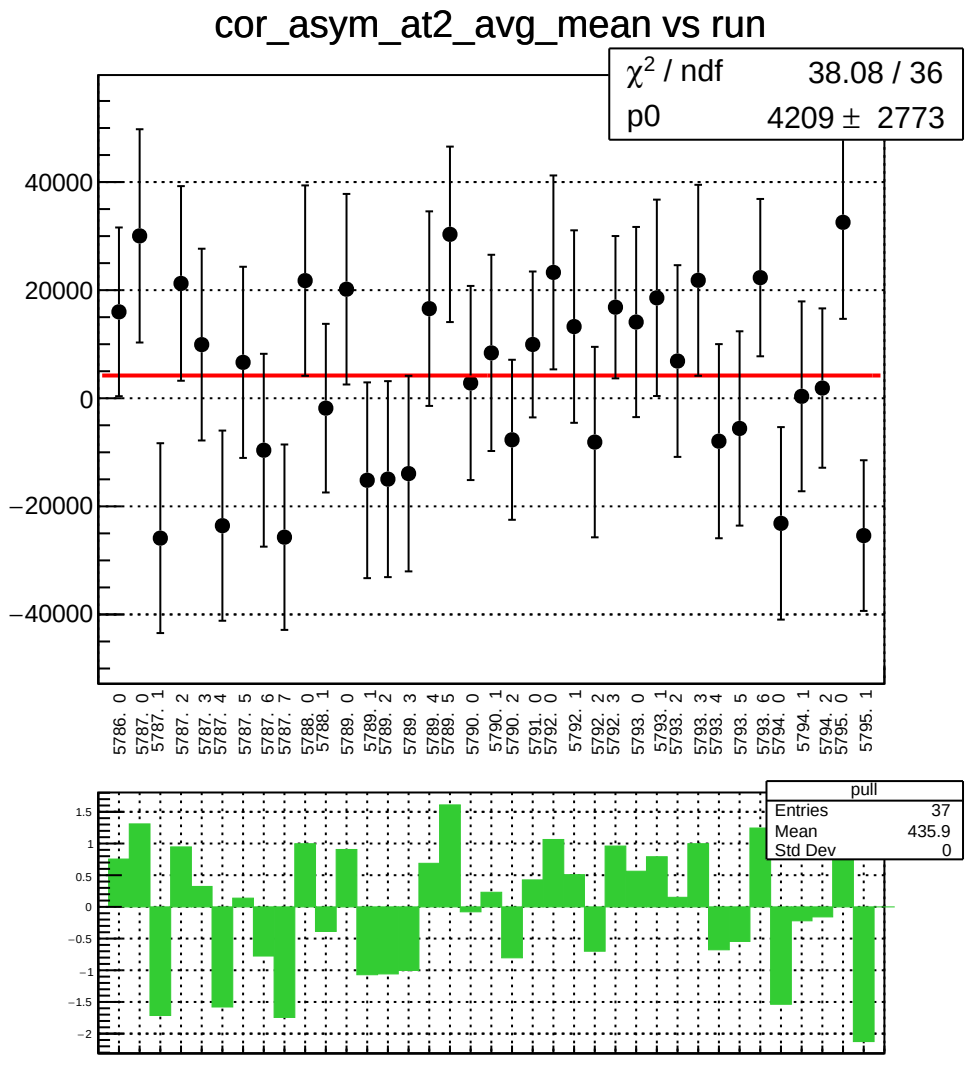

pull1D
Entries 37
Mean 0.0005671
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

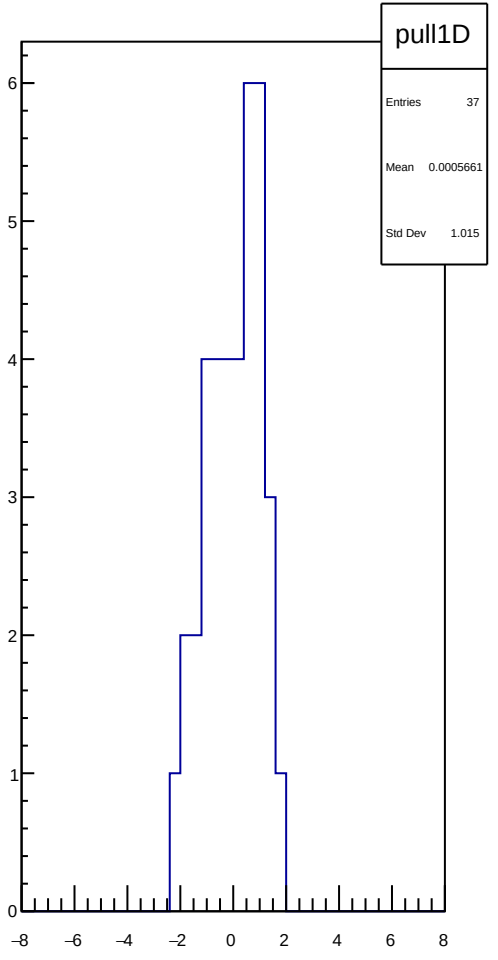

reg_asym_at2_avg_rms vs run
χ² / ndf 352.7 / 36
p0 1701 ± 1.961
1900
1850
1800
1750
1700
1650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

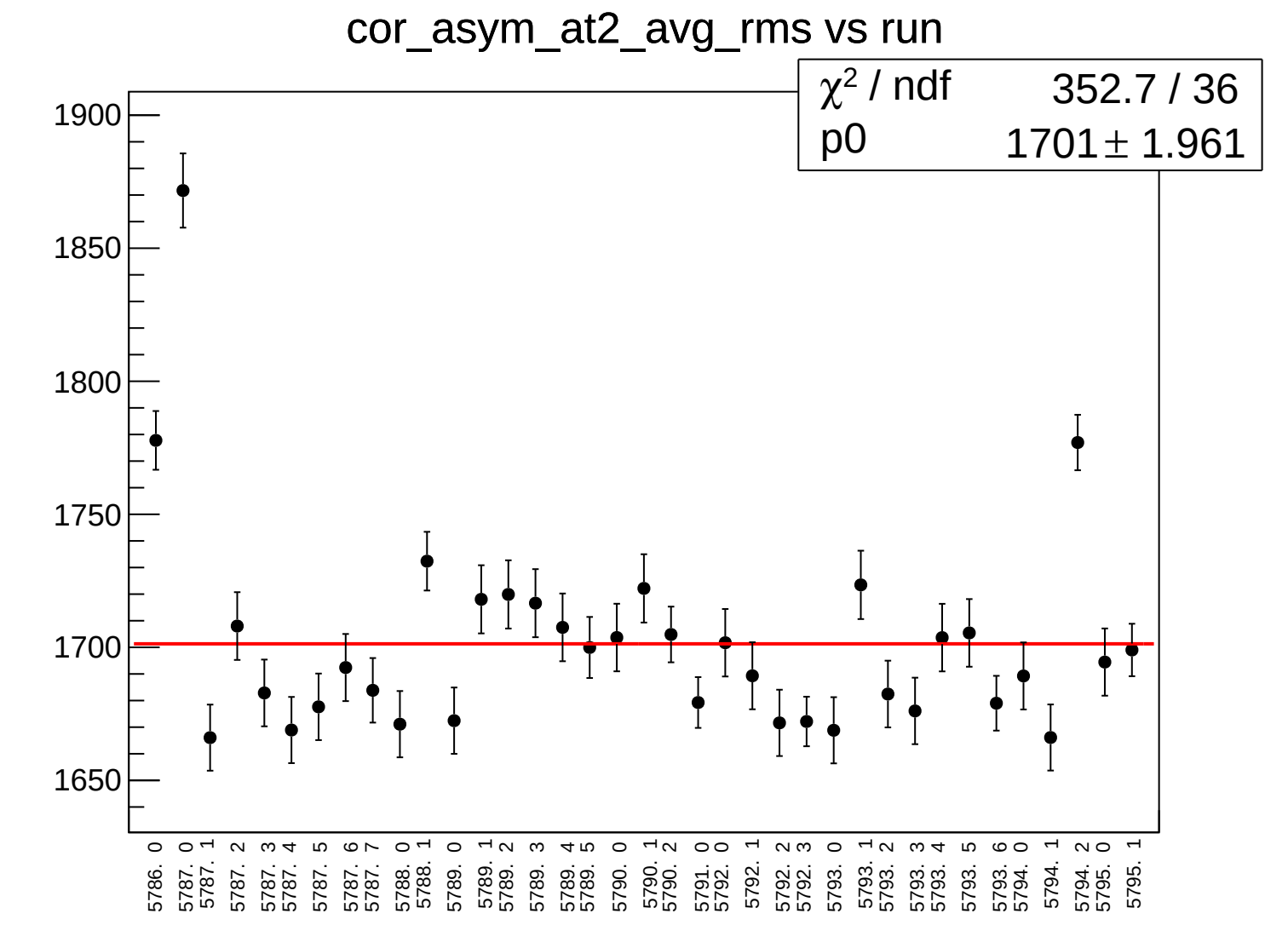

asym_at2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.28 / 36
p0 −2.242e+04 ± 1.369e+04
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.82
Std Dev 0
2
1
0
−1
−2

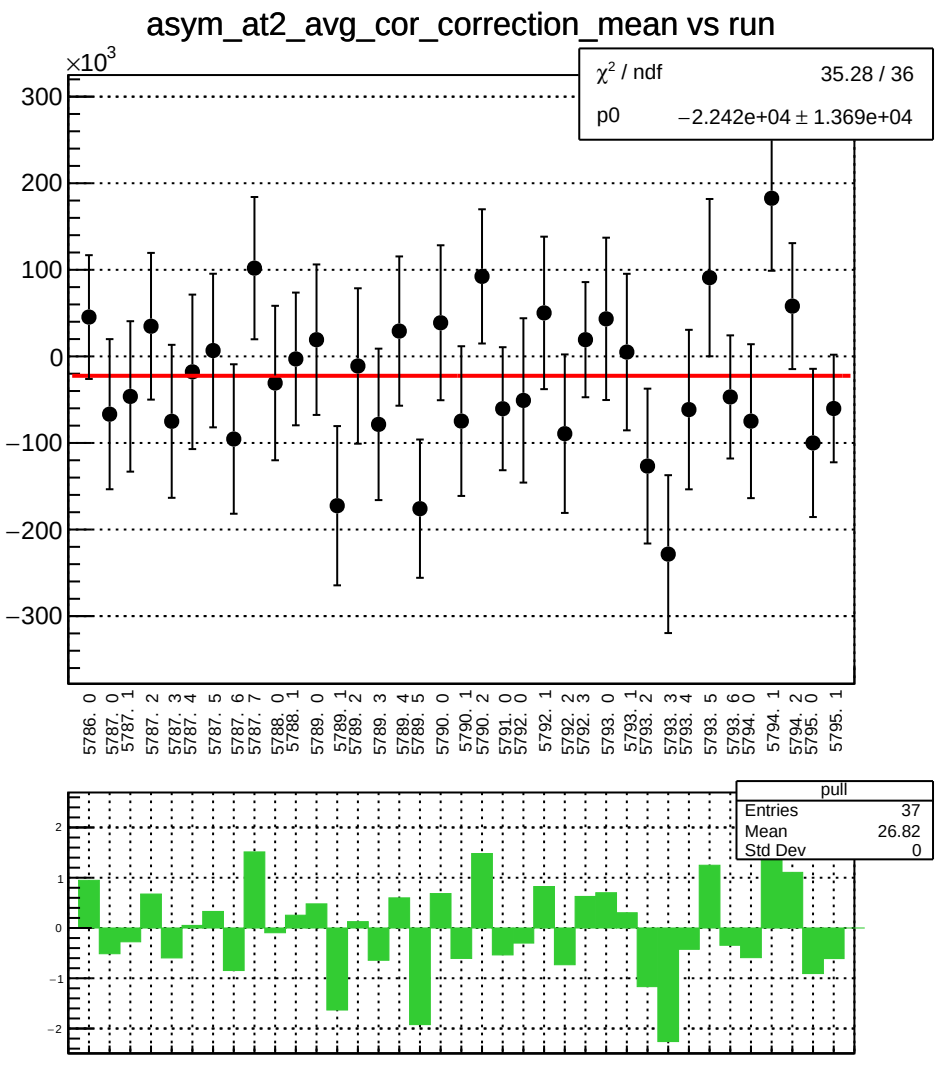

pull1D
Entries 37
Mean −0.01569
Std Dev 0.9764
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

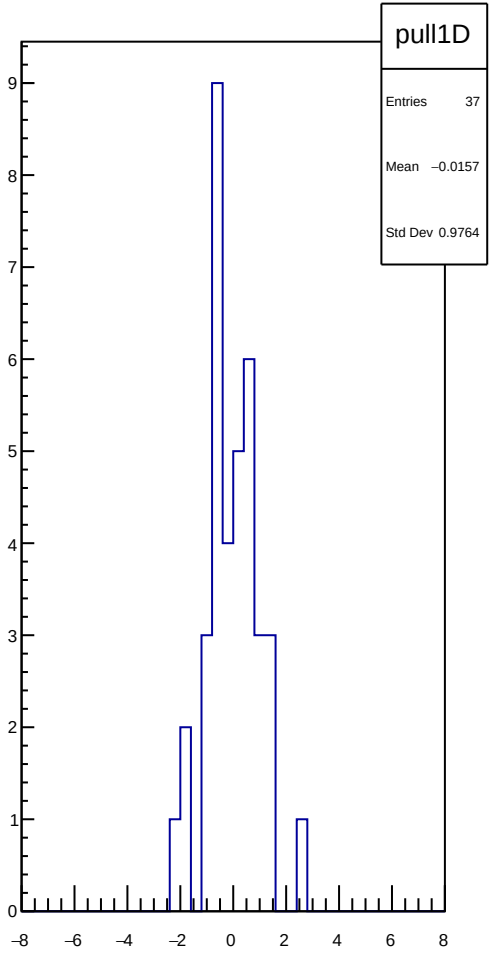

asym_at2_avg_reg_correction_rms vs run
χ² / ndf 1081 / 36
p0 8394 ± 9.68
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

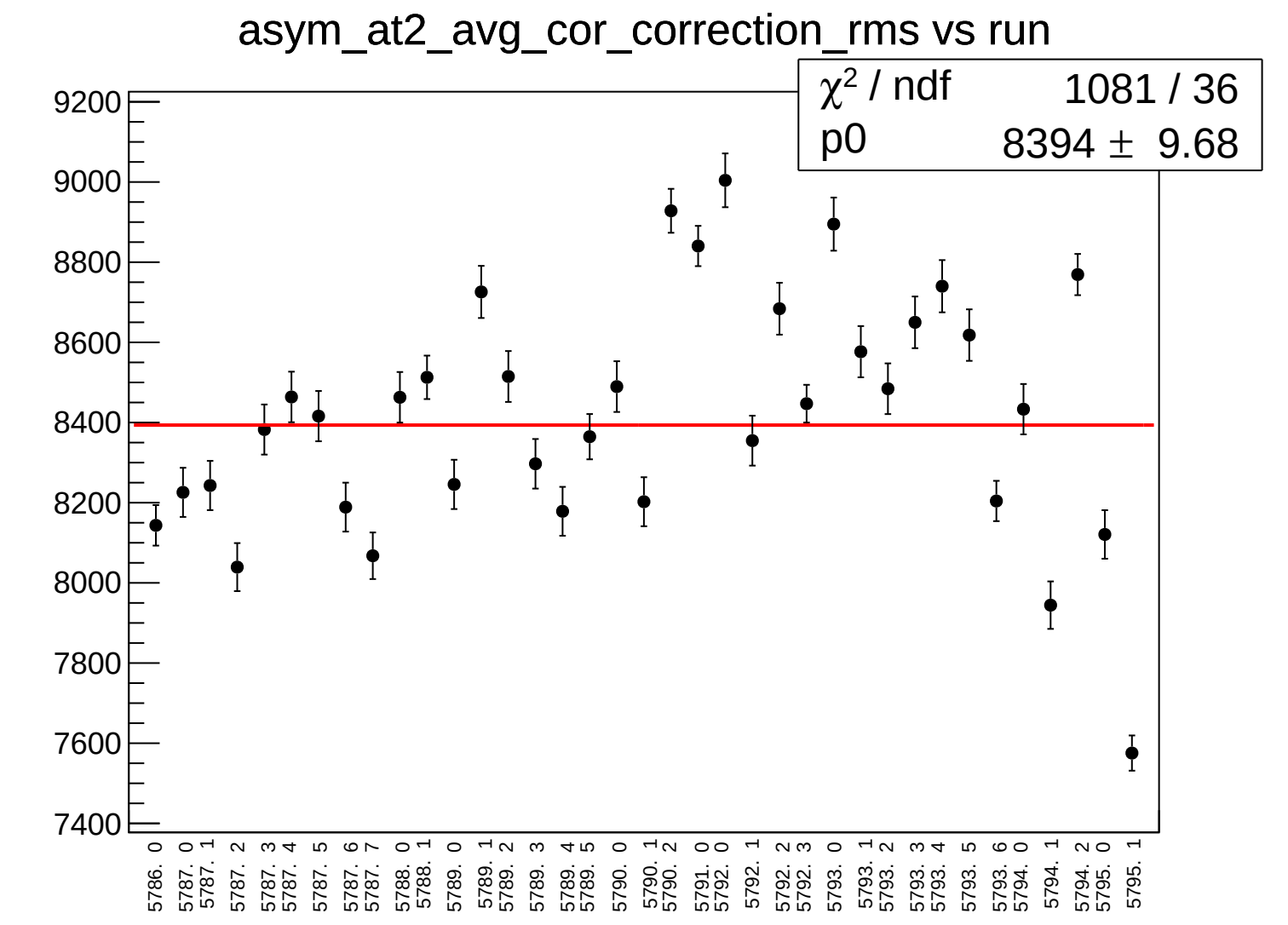

cor_asym_at2_avg_mean vs run
χ² / ndf 38.08 / 36
p0 4209 ± 2773
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 435.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

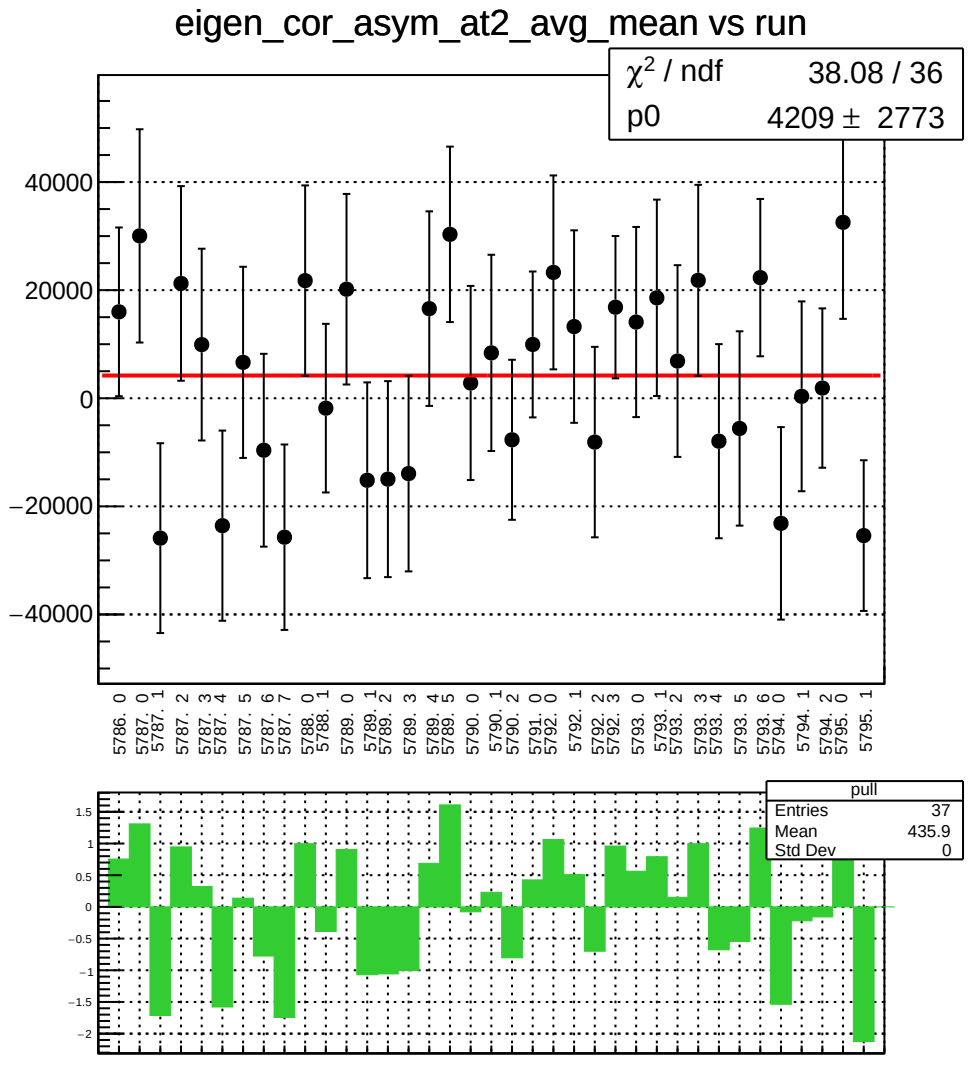

pull1D
Entries 37
Mean 0.0005661
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

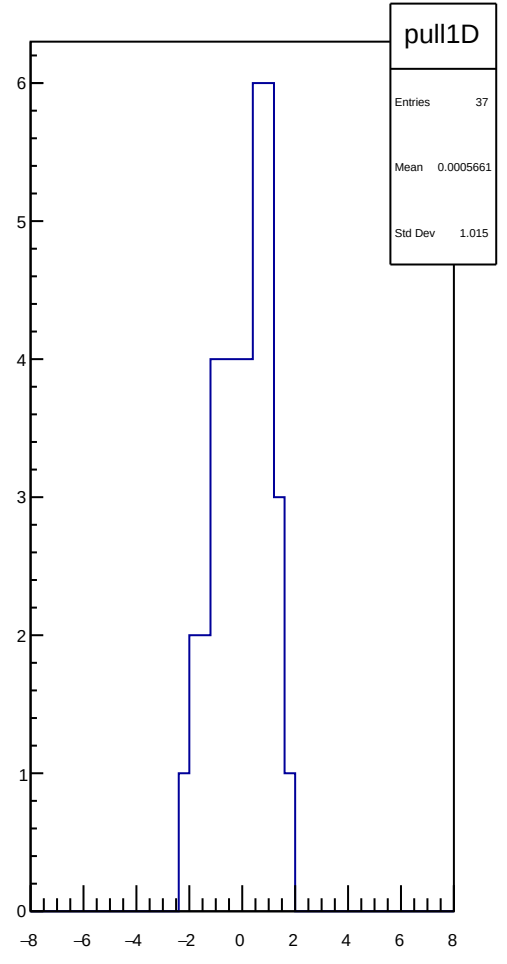

cor_asym_at2_avg_rms vs run
χ² / ndf 352.7 / 36
p0 1701 ± 1.961
1900
1850
1800
1750
1700
1650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

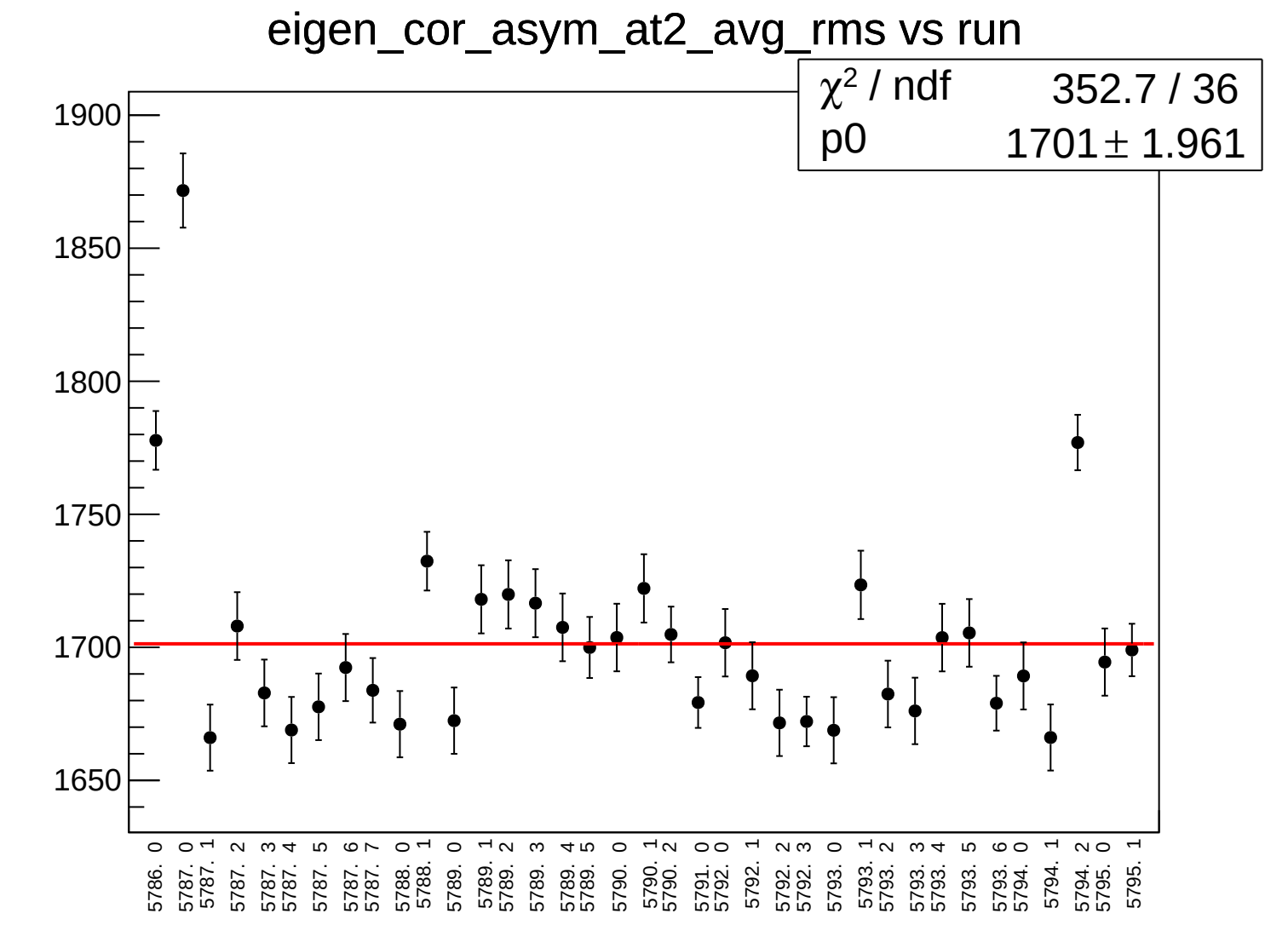

asym_at2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.28 / 36
p0 −2.242e+04 ± 1.369e+04
pull
Entries 37
Mean 26.82
Std Dev 0


pull1D
Entries 37
Mean −0.0157
Std Dev 0.9764


asym_at2_avg_cor_correction_rms vs run
χ² / ndf 1081 / 36
p0 8394 ± 9.68
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_at2_avg_mean vs run
χ² / ndf 38.08 / 36
p0 4209 ± 2773
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 435.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.0005661
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_at2_avg_rms vs run
χ² / ndf 352.7 / 36
p0 1701 ± 1.961
1900
1850
1800
1750
1700
1650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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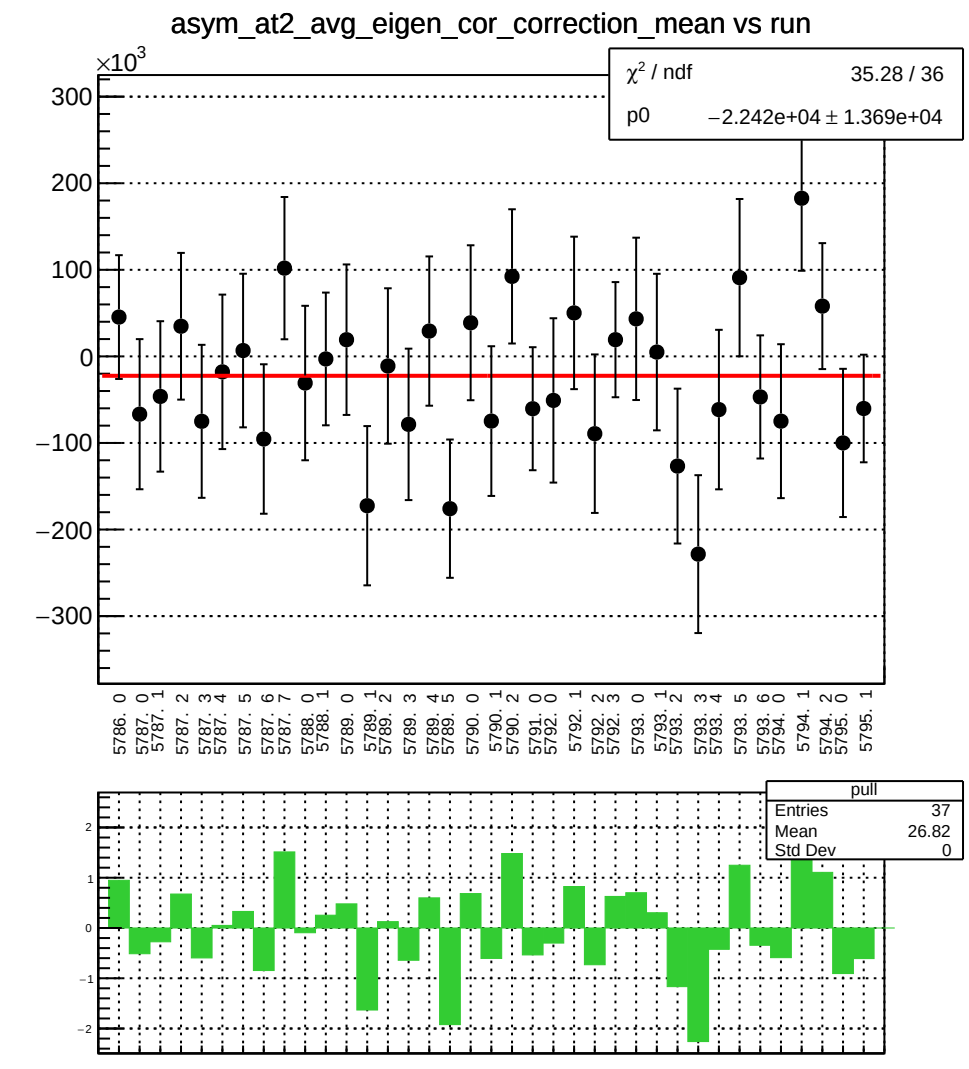
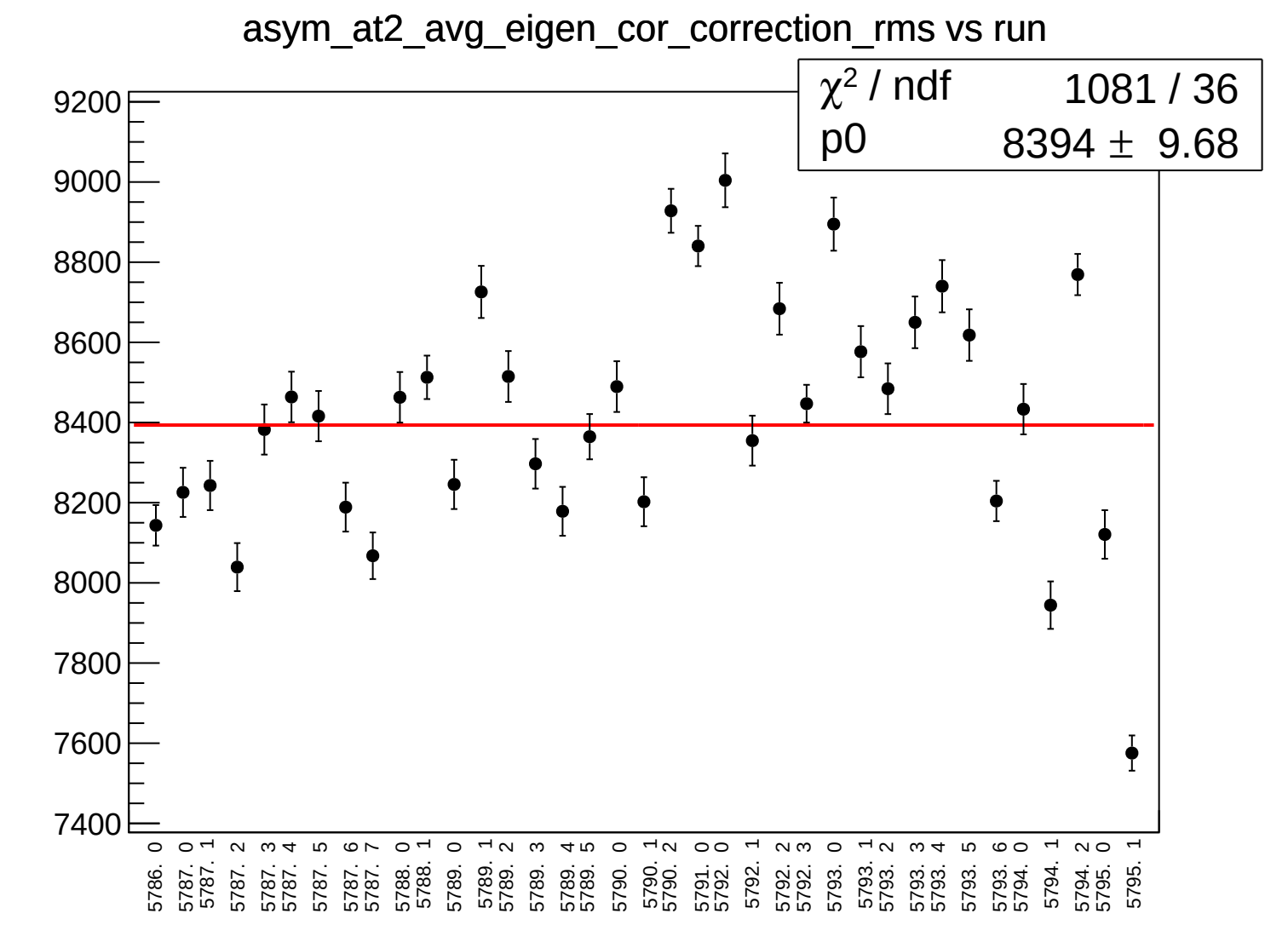
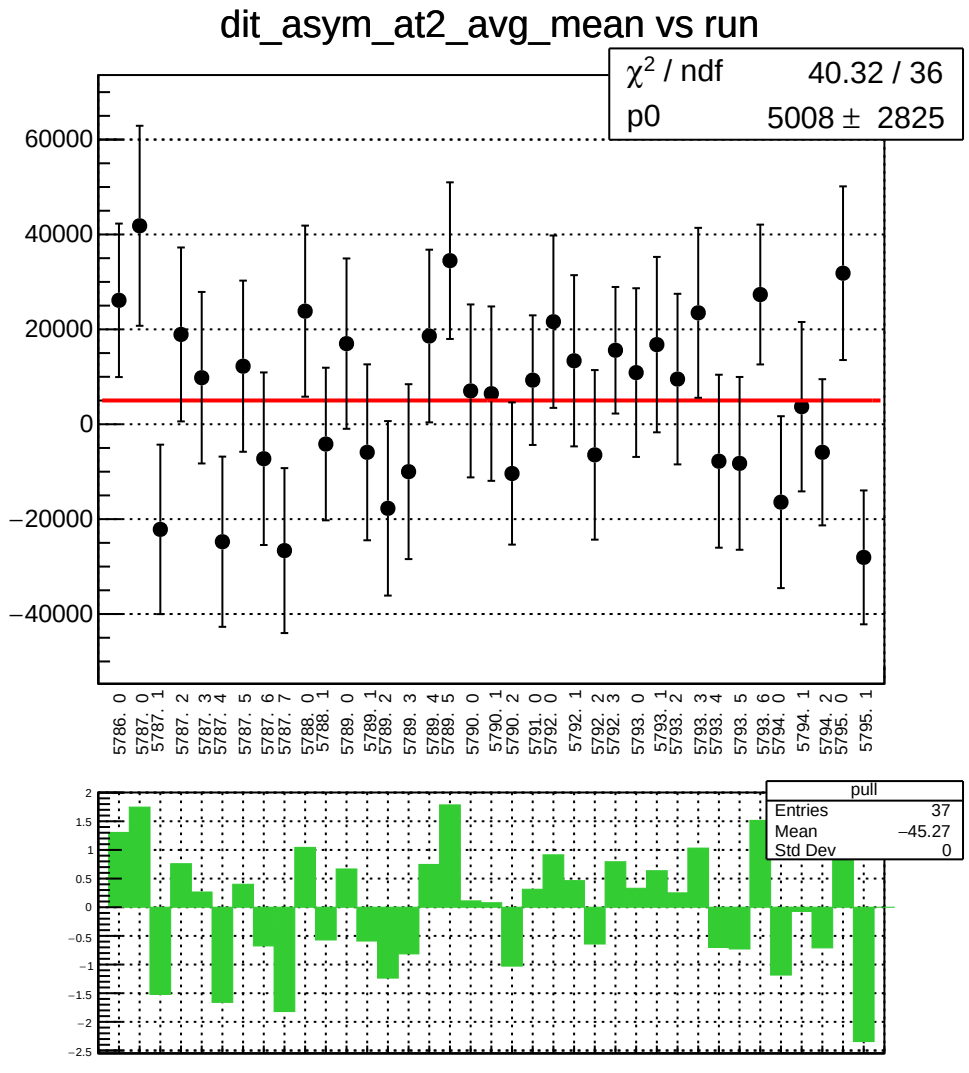
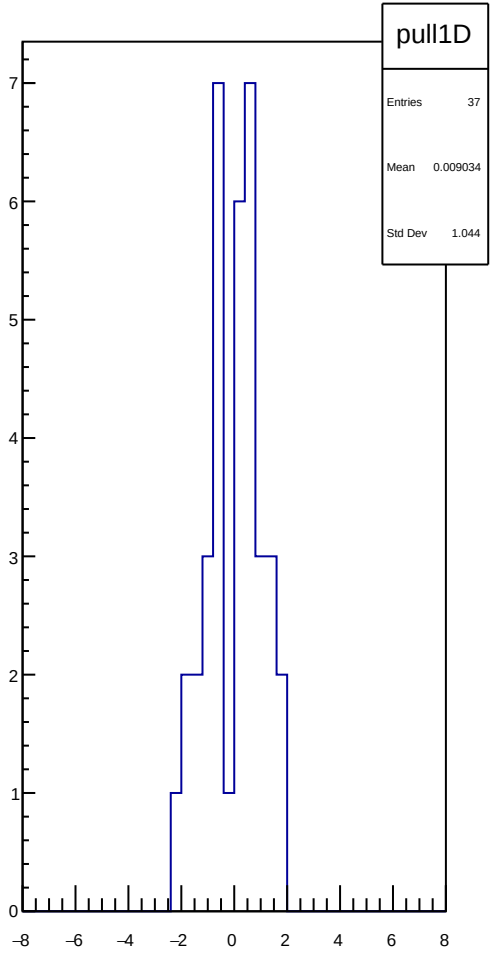
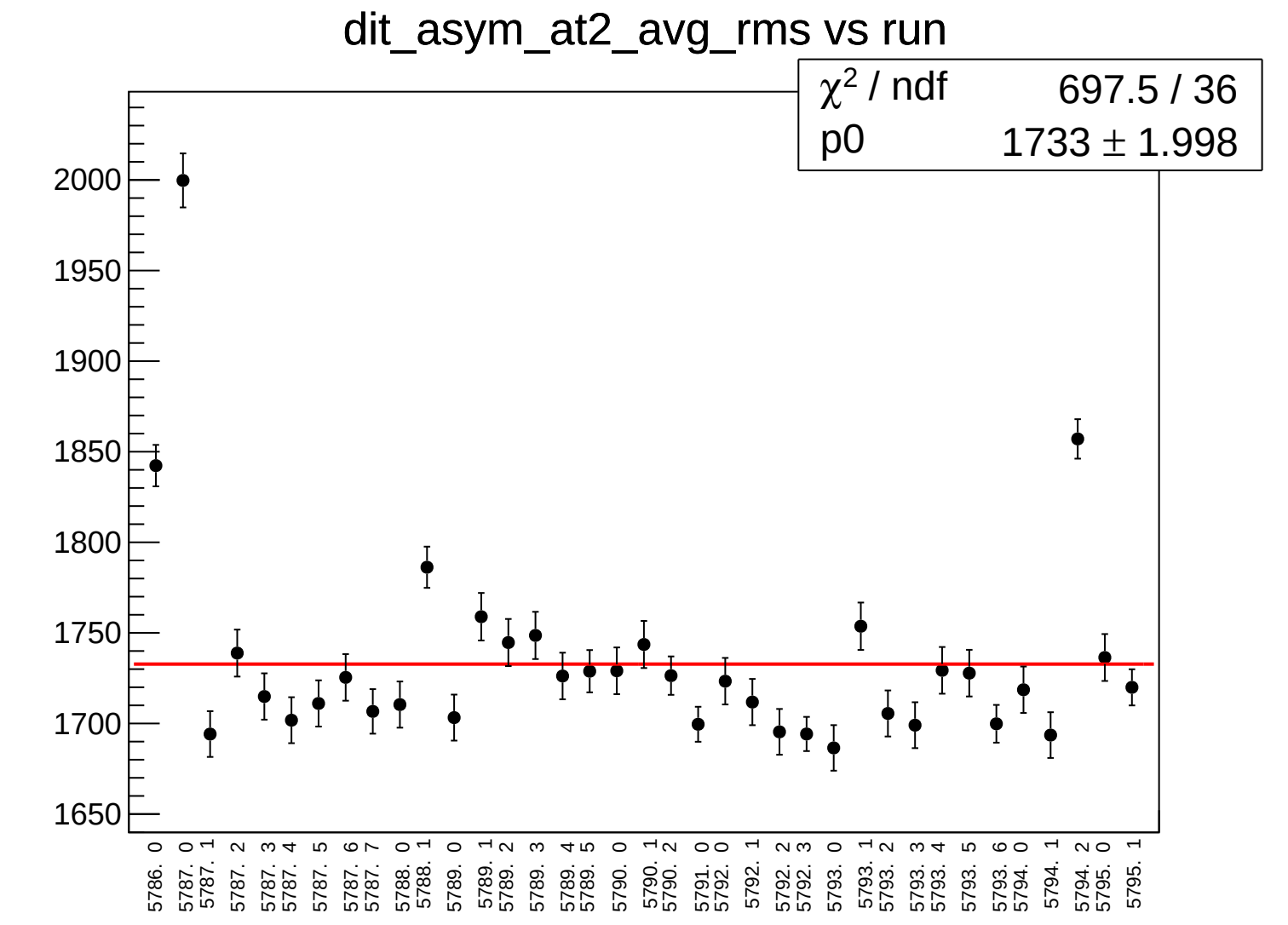
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

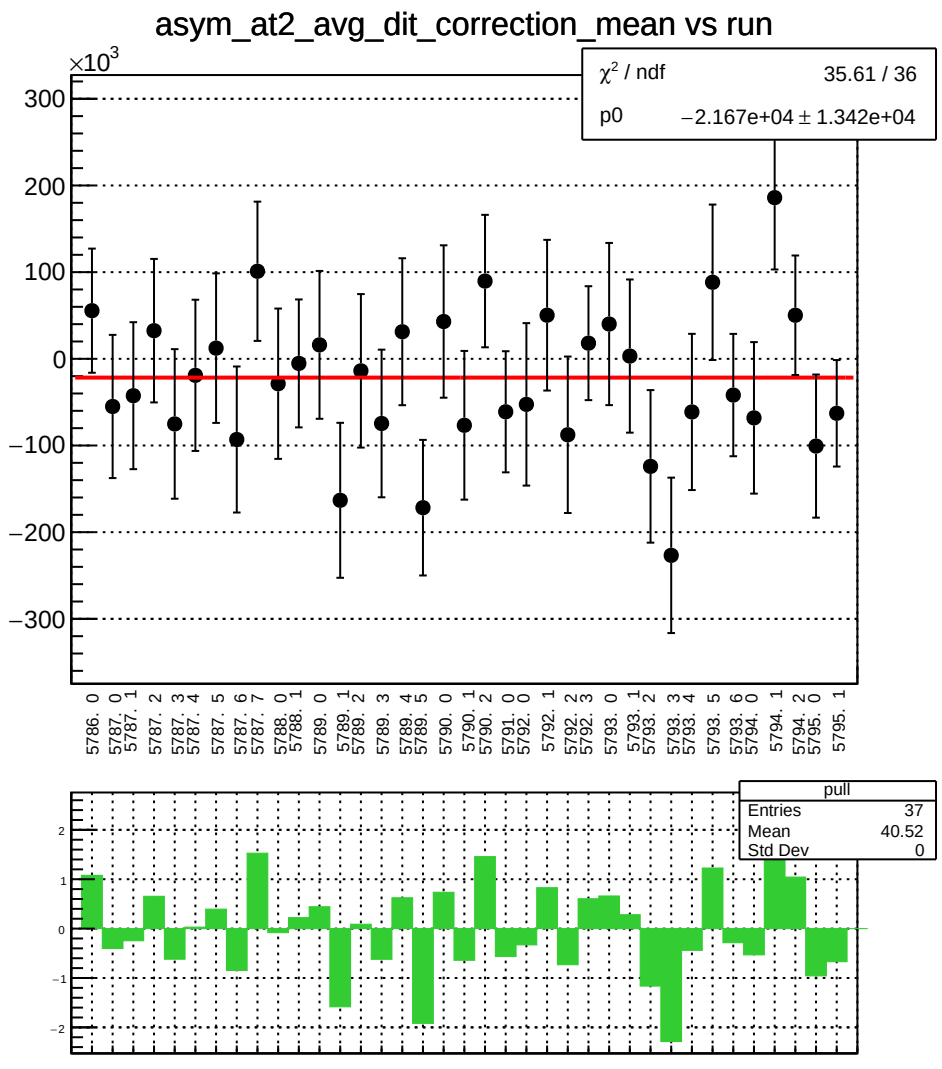

asym_at2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.28 / 36
p0 −2.242e+04 ± 1.369e+04
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0157
Std Dev 0.9764
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

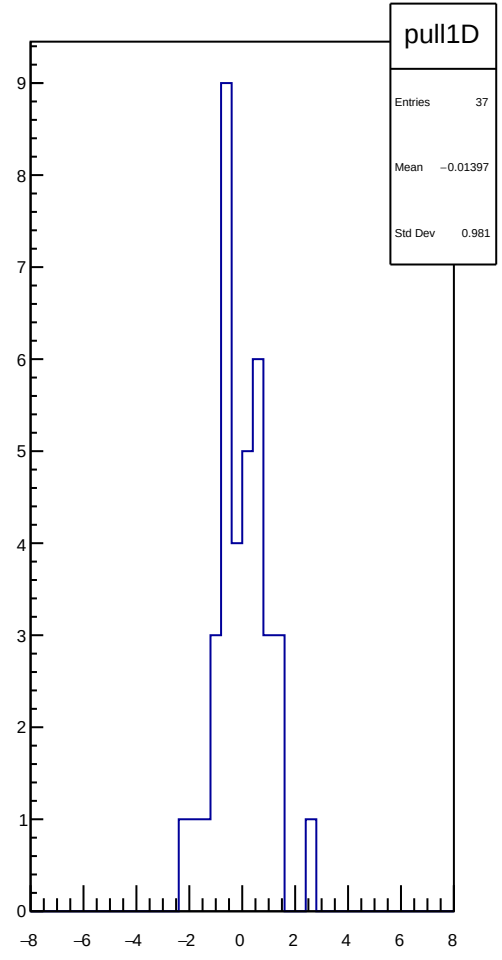

asym_at2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1081 / 36
p0 8394 ± 9.68
9200
9000
8800
8600
8400
8200
8000
7800
7600
7400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

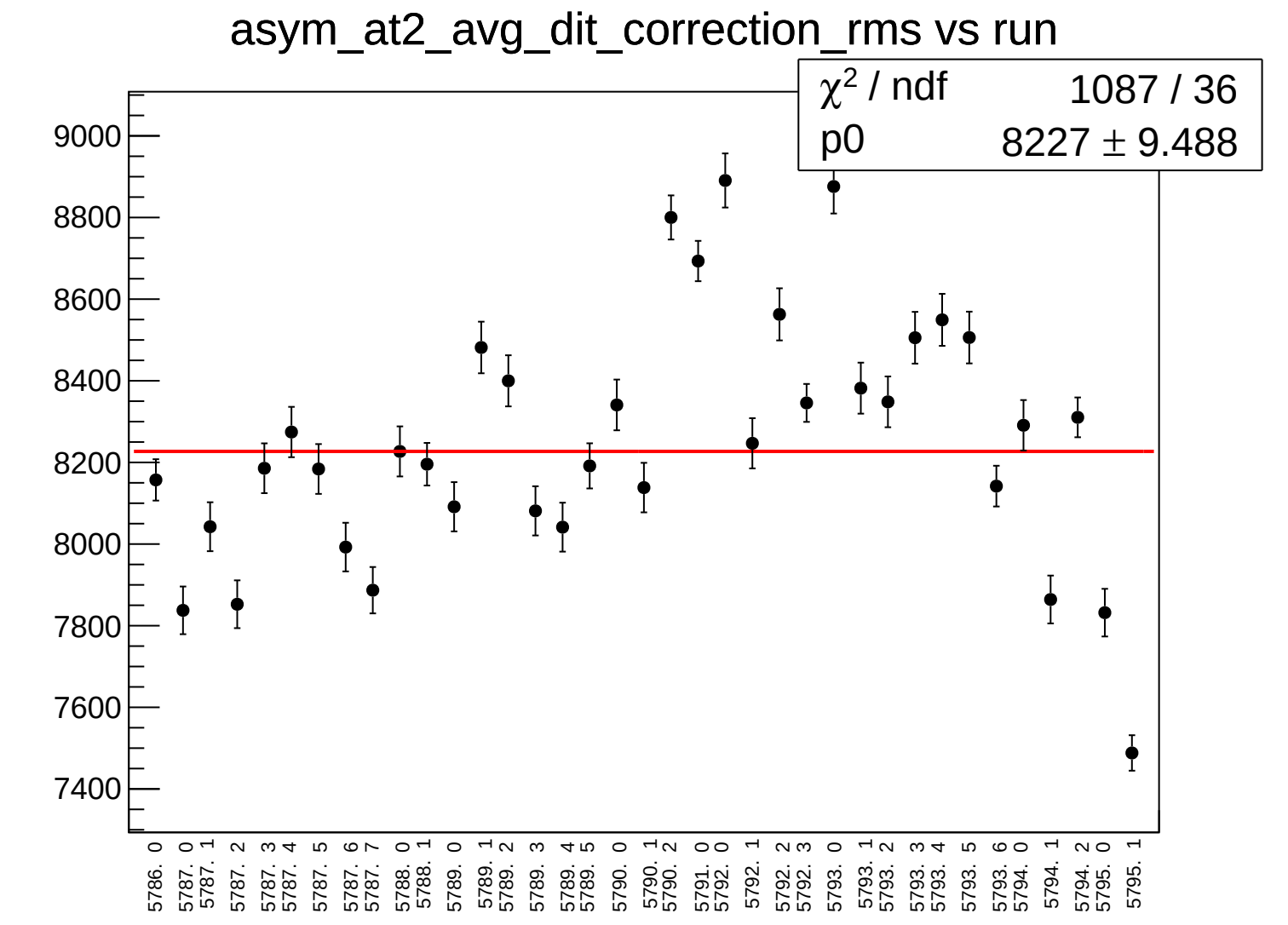

dit_asym_at2_avg_mean vs run
χ² / ndf 40.32 / 36
p0 5008 ± 2825
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −45.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

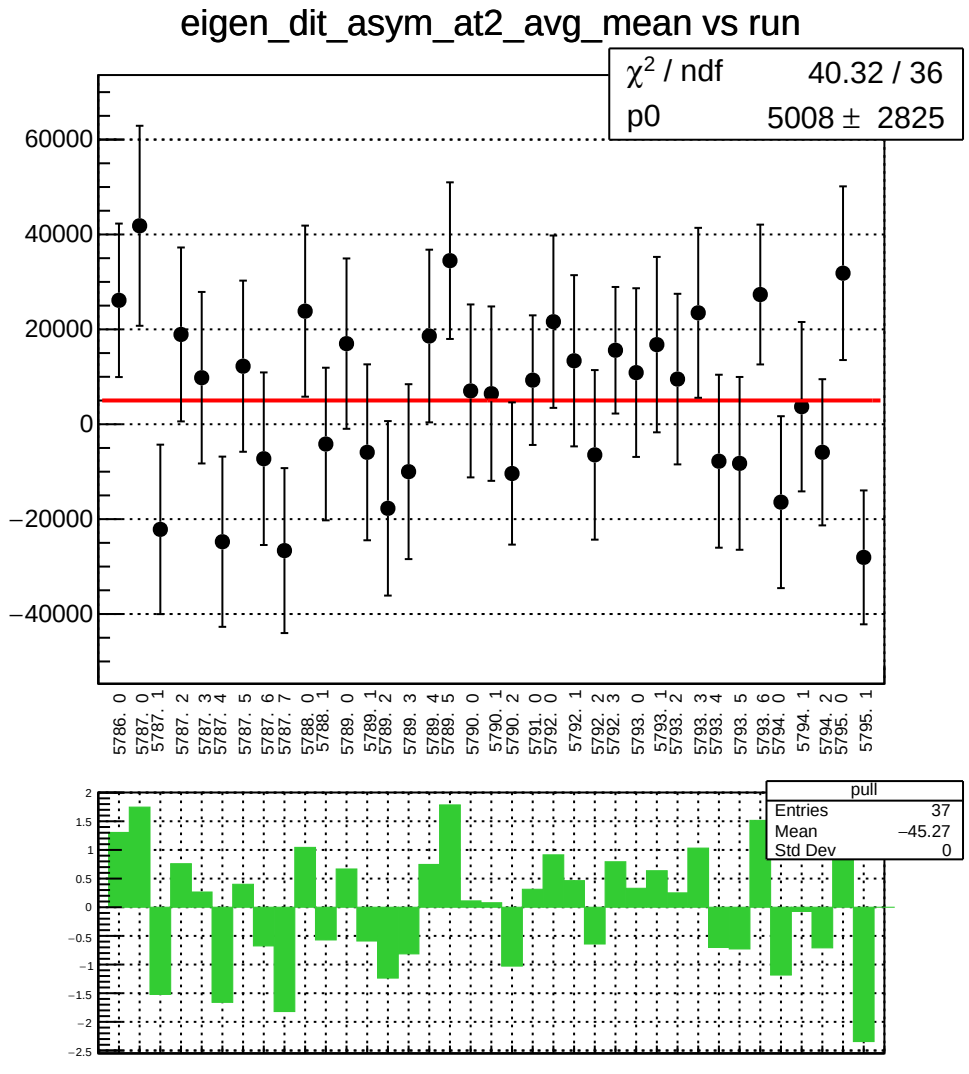

pull1D
Entries 37
Mean 0.009034
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

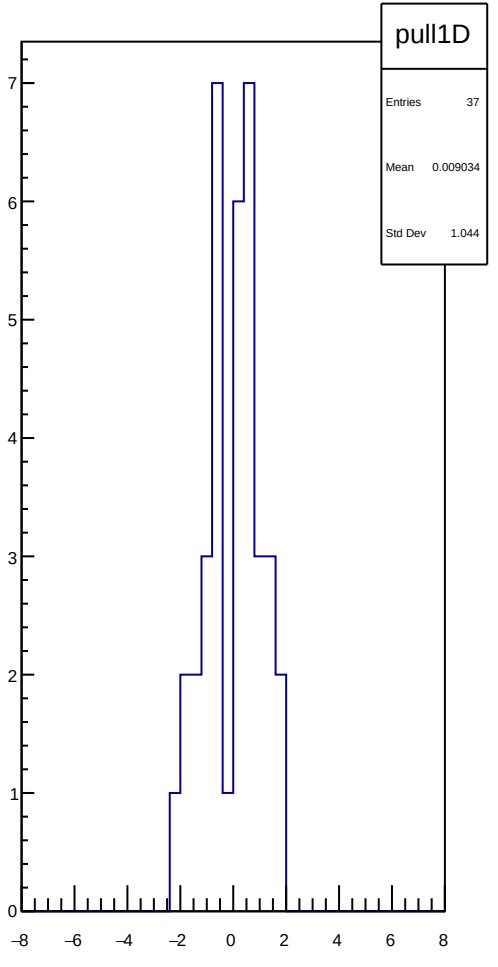

dit_asym_at2_avg_rms vs run
χ² / ndf 697.5 / 36
p0 1733 ± 1.998
2000
1950
1900
1850
1800
1750
1700
1650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

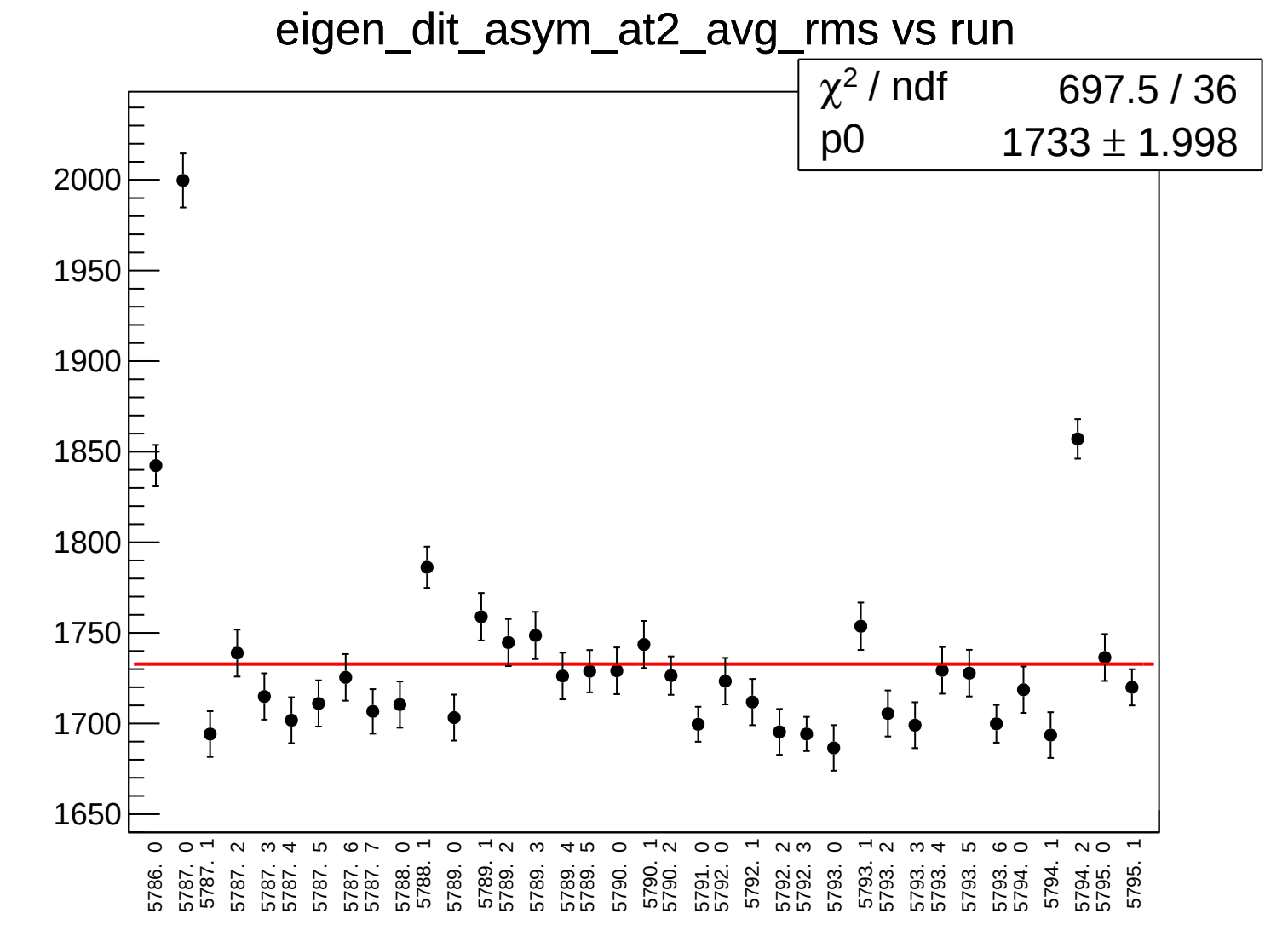

asym_at2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.61 / 36
p0 −2.167e+04 ± 1.342e+04
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.52
Std Dev 0
2
1
0
−1
−2

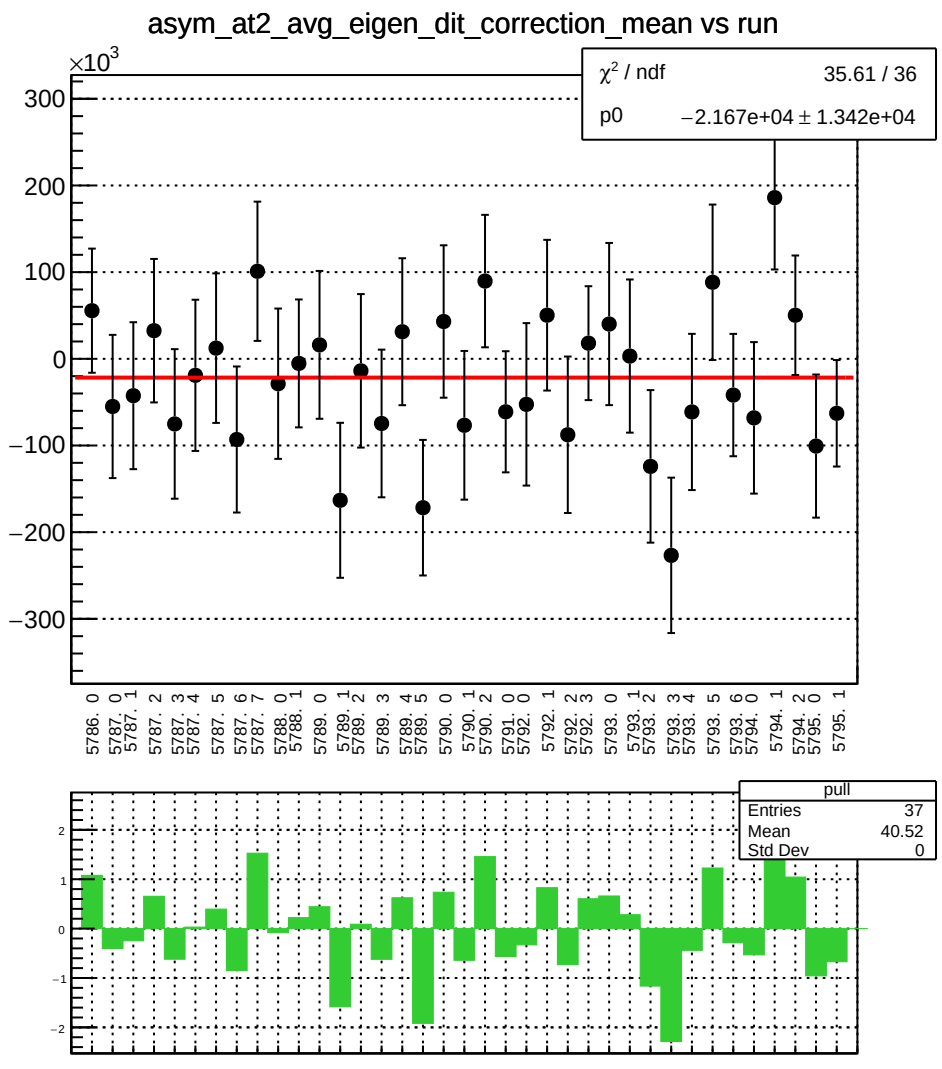

pull1D
Entries 37
Mean −0.01397
Std Dev 0.981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

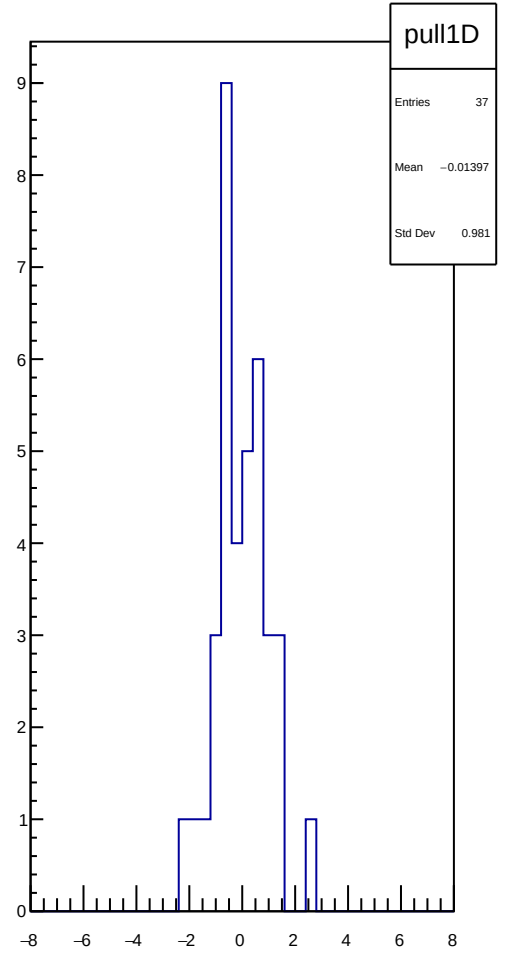

asym_at2_avg_dit_correction_rms vs run
χ² / ndf 1087 / 36
p0 8227 ± 9.488
9000
8800
8600
8400
8200
8000
7800
7600
7400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

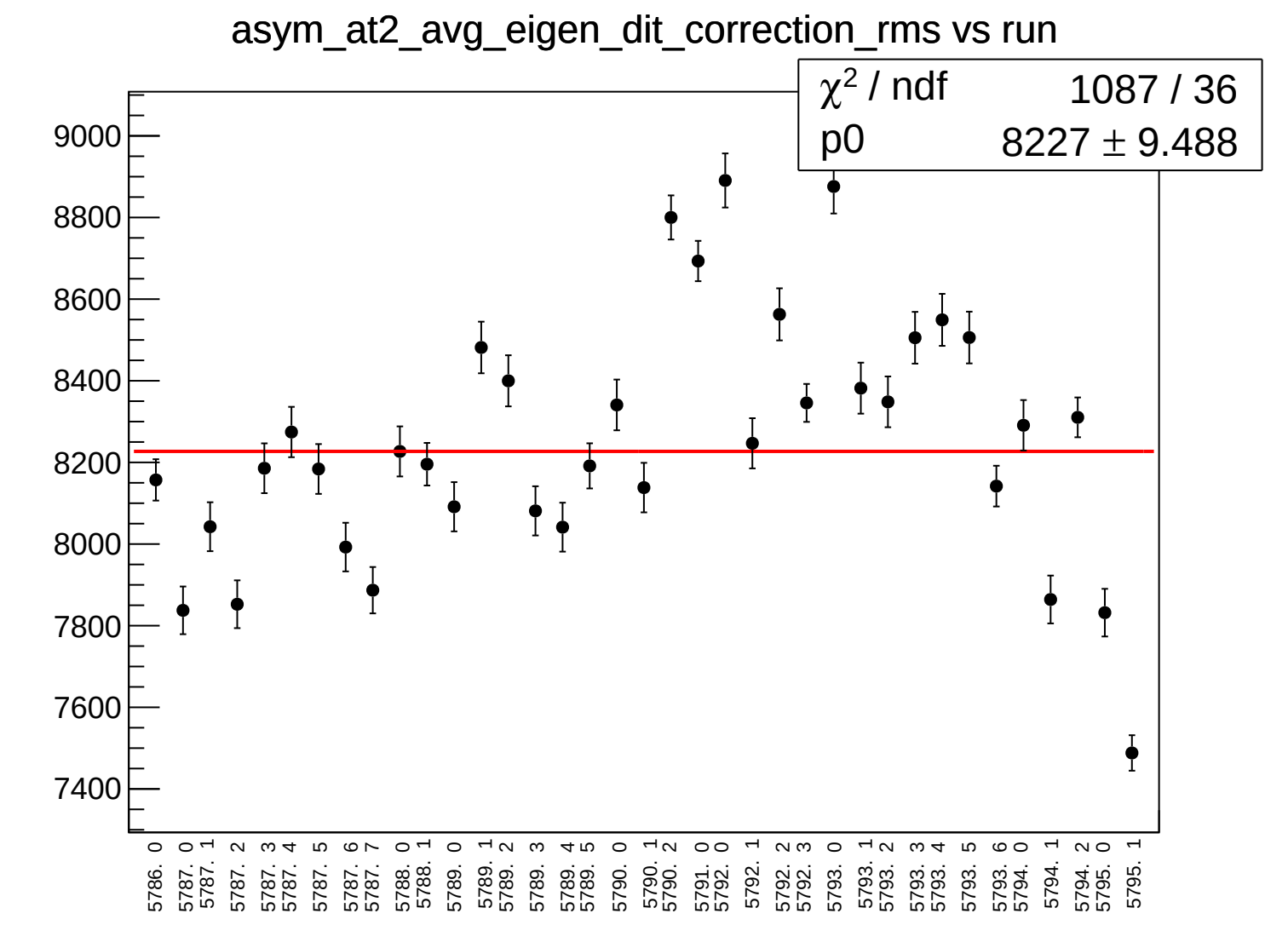

eigen_dit_asym_at2_avg_mean vs run
χ² / ndf 40.32 / 36
p0 5008 ± 2825
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −45.27
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean 0.009034
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_at2_avg_rms vs run
χ² / ndf 697.5 / 36
p0 1733 ± 1.998
2000
1950
1900
1850
1800
1750
1700
1650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.61 / 36
p0 −2.167e+04 ± 1.342e+04
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.52
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01397
Std Dev 0.981
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1087 / 36
p0 8227 ± 9.488
9000
8800
8600
8400
8200
8000
7800
7600
7400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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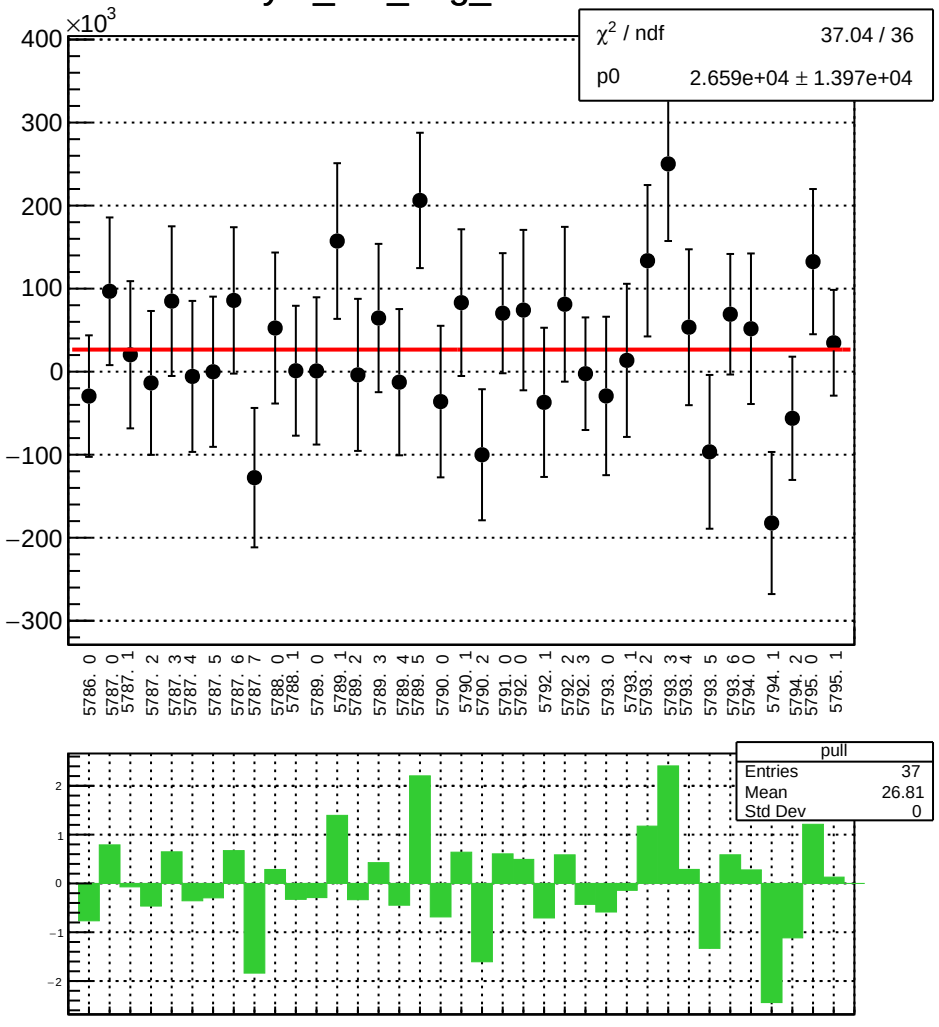
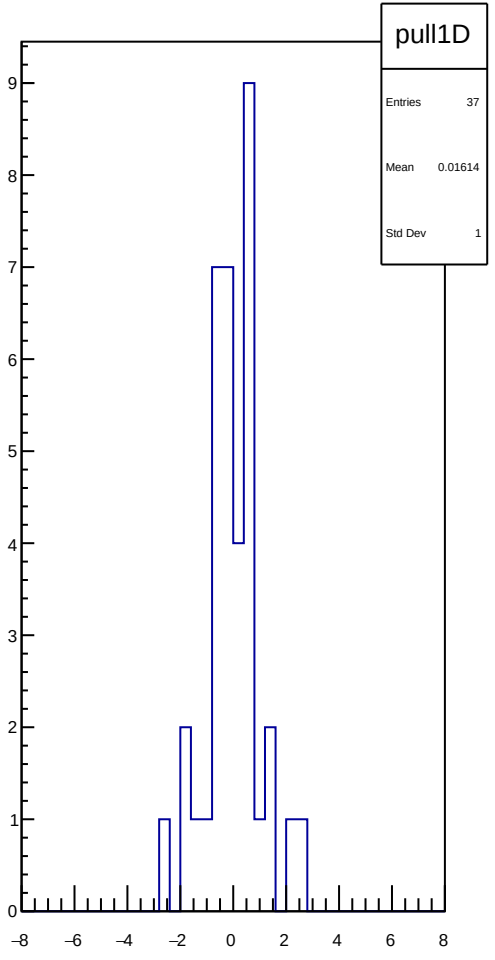
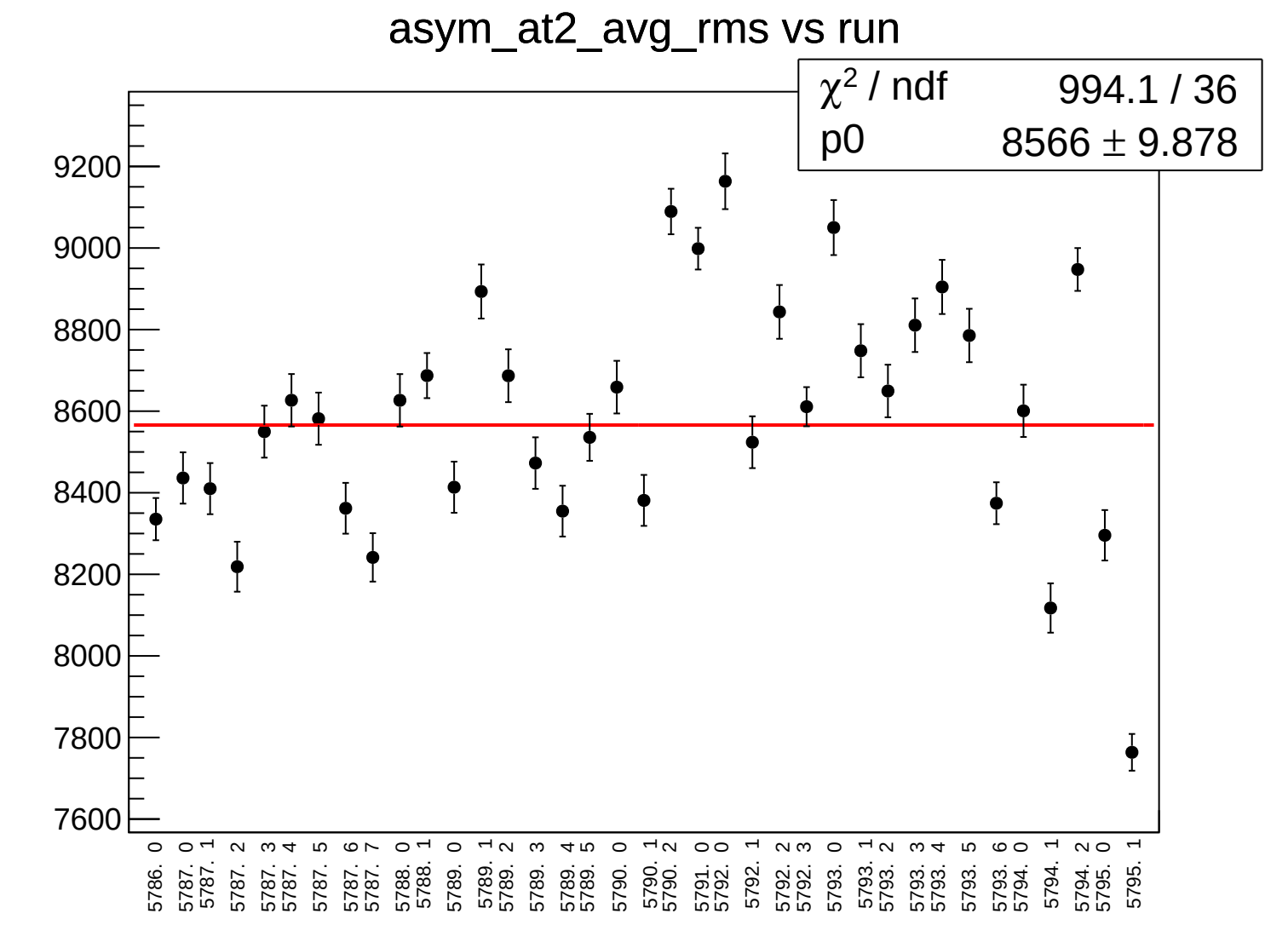
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at2_avg_mean vs run
×10^3
χ² / ndf 37.04 / 36
p0 2.659e+04 ± 1.397e+04
pull
Entries 37
Mean 26.81
Std Dev 0


pull1D
Entries 37
Mean 0.01614
Std Dev 1


asym_at2_avg_rms vs run
χ² / ndf 994.1 / 36
p0 8566 ± 9.878
9200
9000
8800
8600
8400
8200
8000
7800
7600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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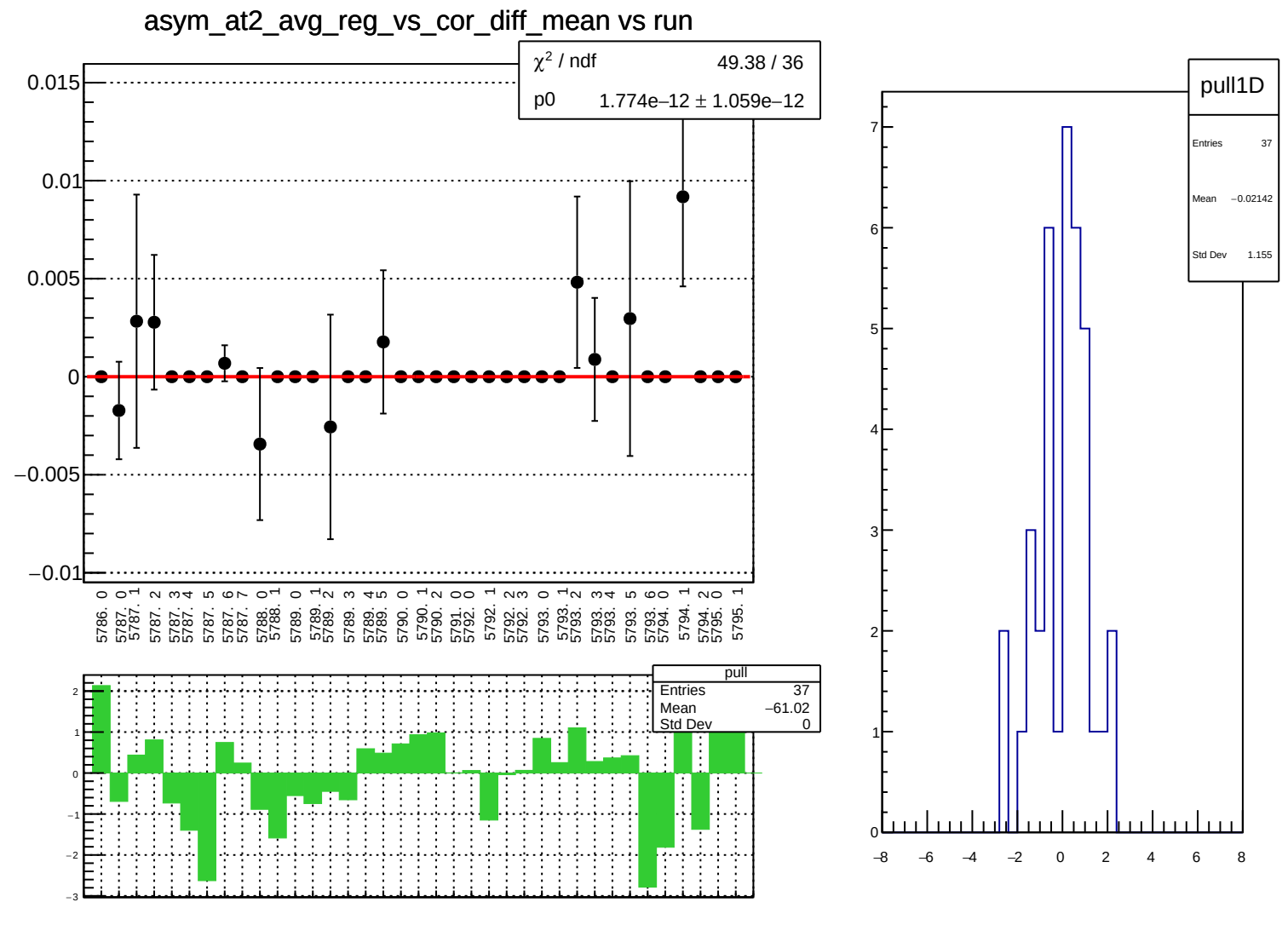
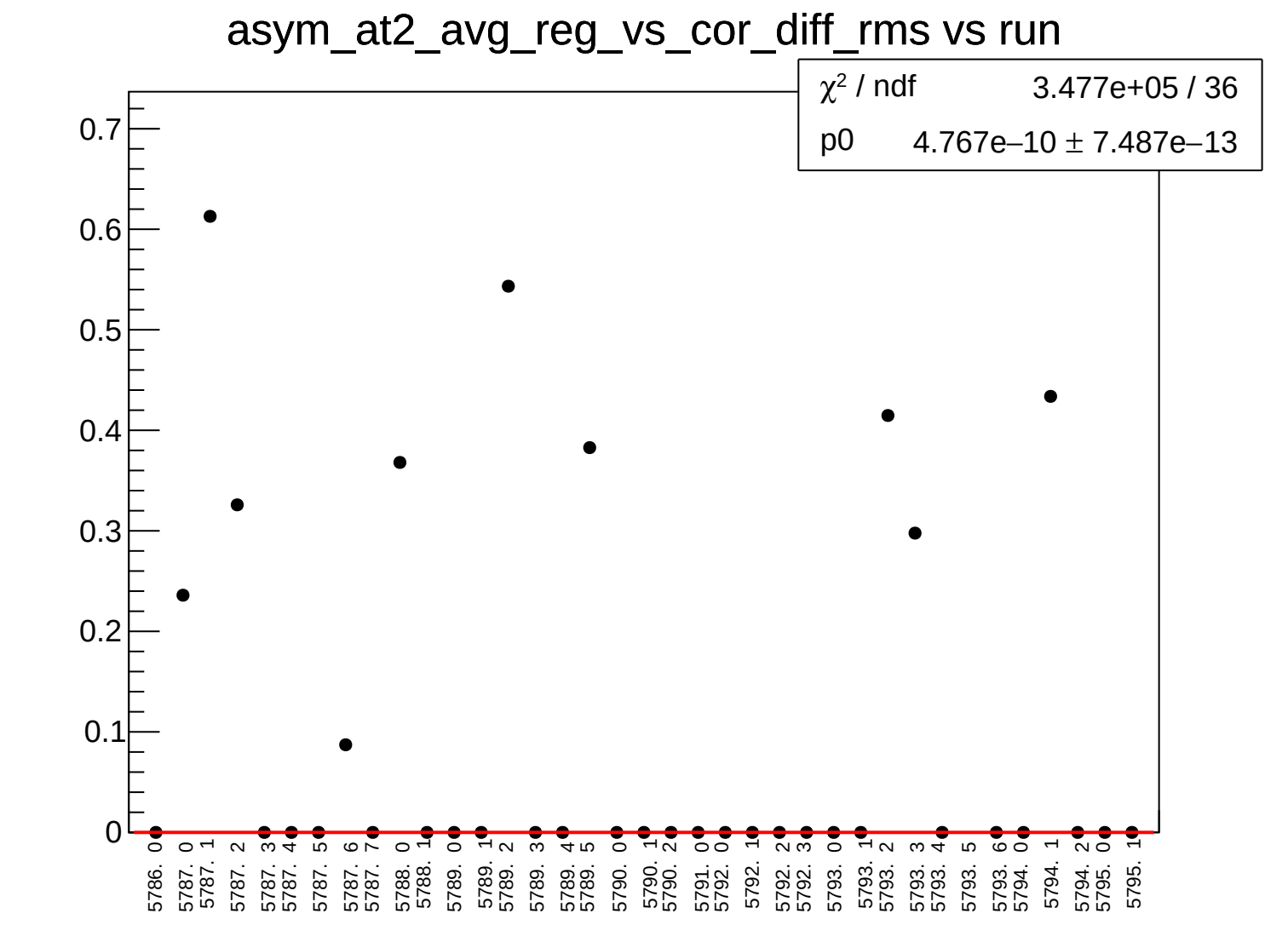
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.38 / 36
p0 1.774e−12 ± 1.059e−12
0.015
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −61.02
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.02142
Std Dev 1.155
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.477e+05 / 36
p0 4.767e−10 ± 7.487e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
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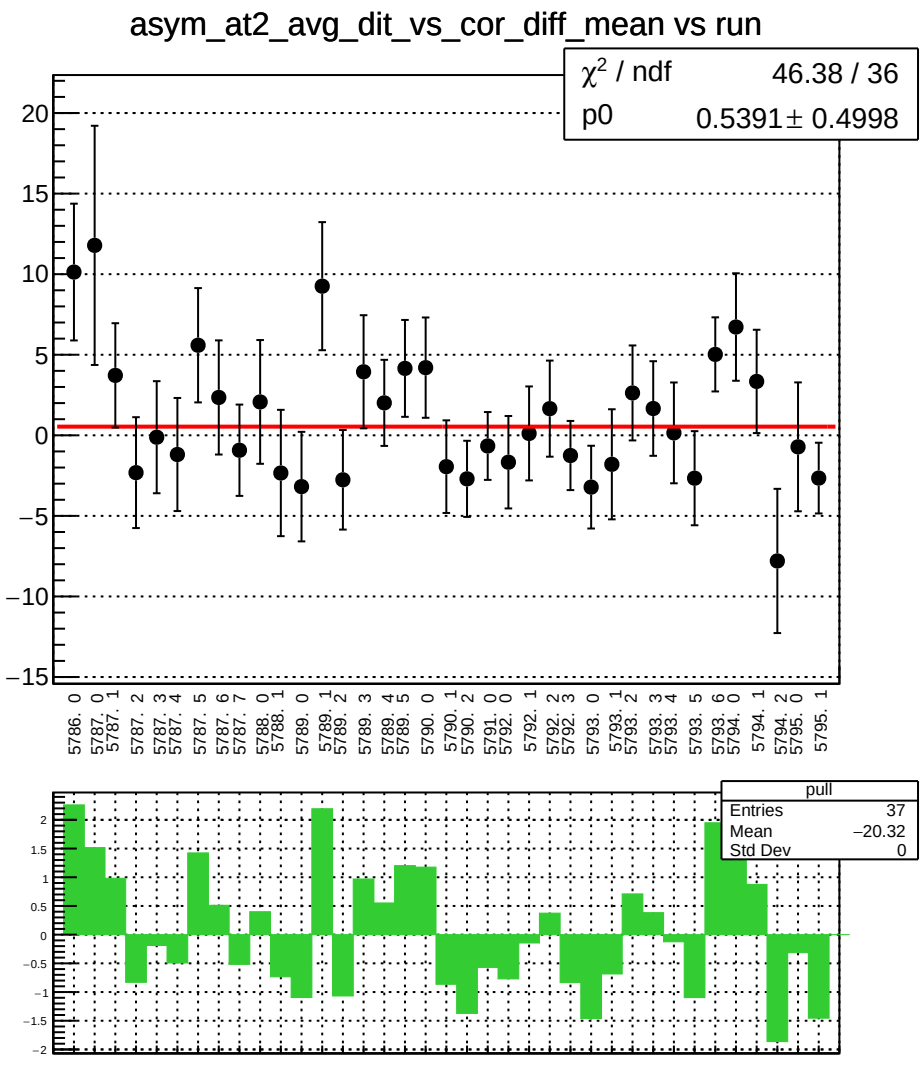
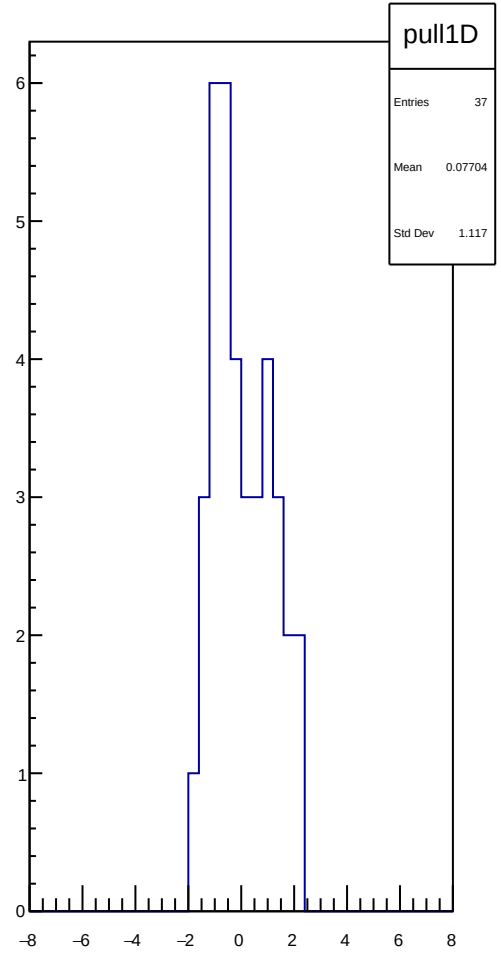
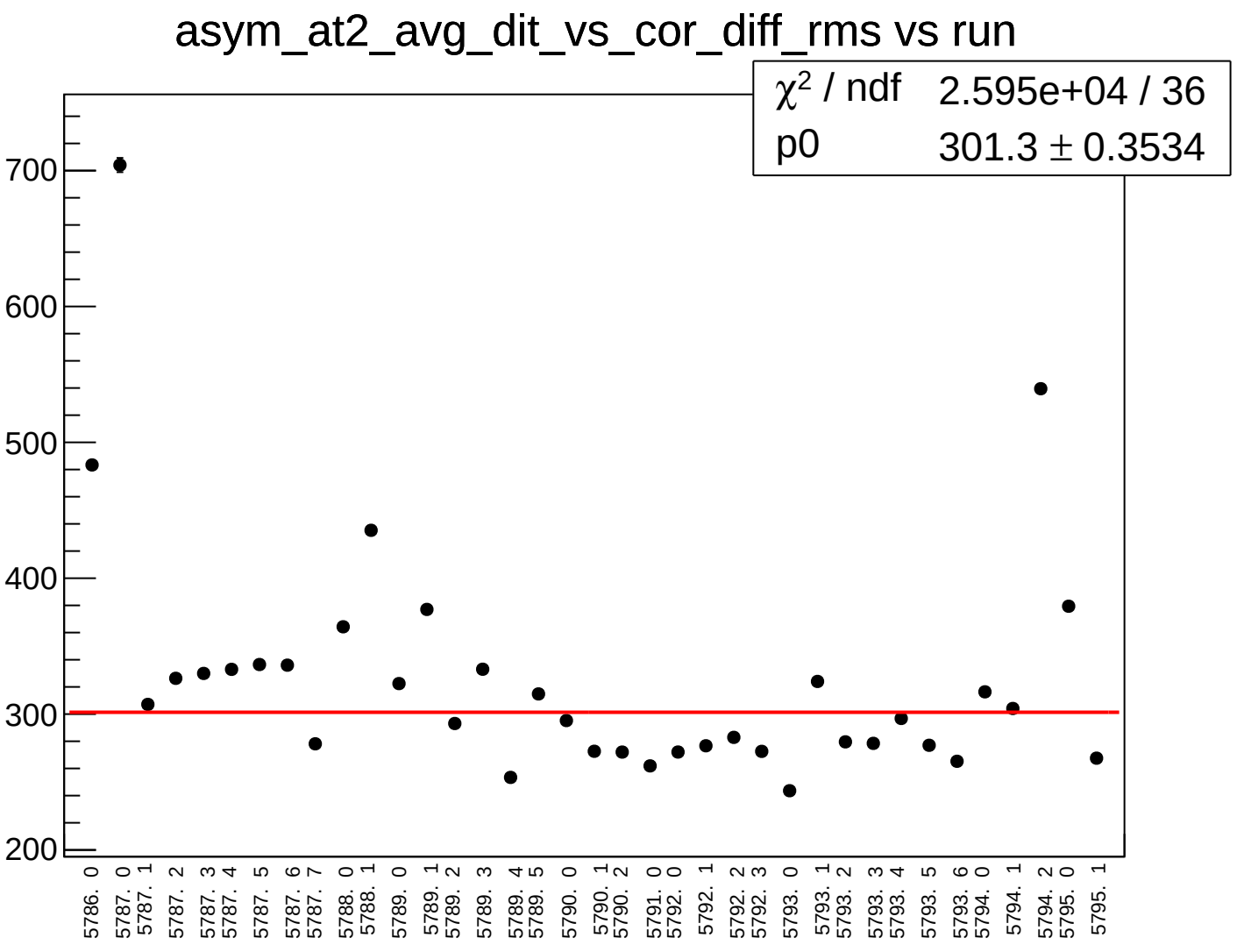
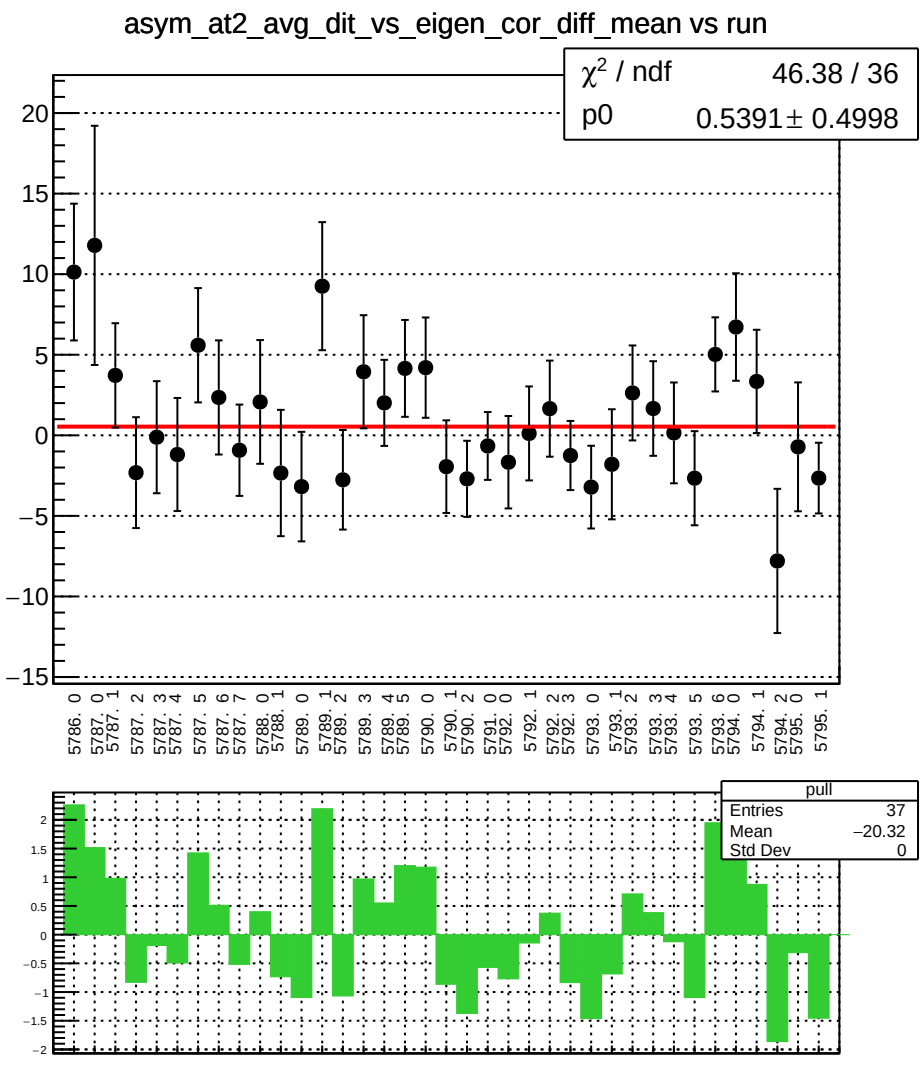
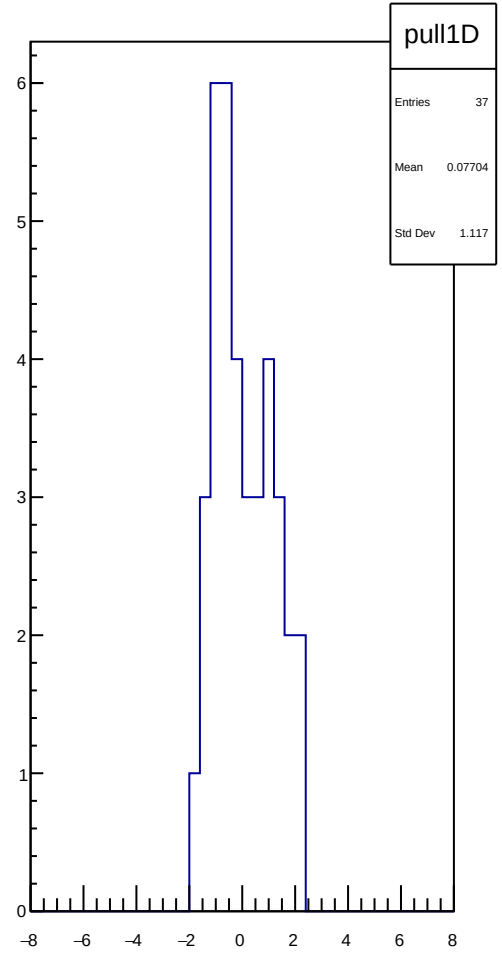
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

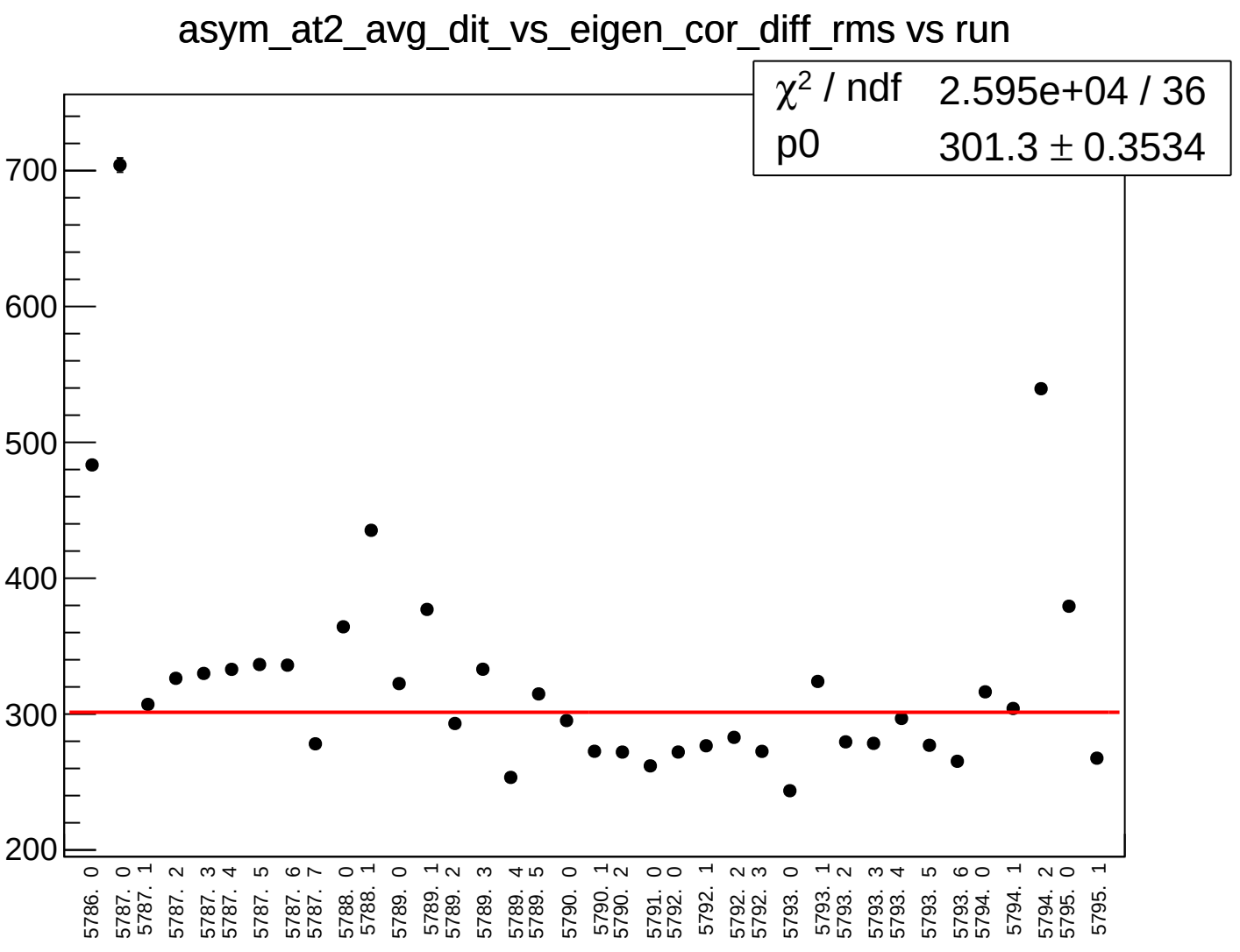

asym_at2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.38 / 36
p0 0.5391 ± 0.4998
pull
Entries 37
Mean −20.32
Std Dev 0

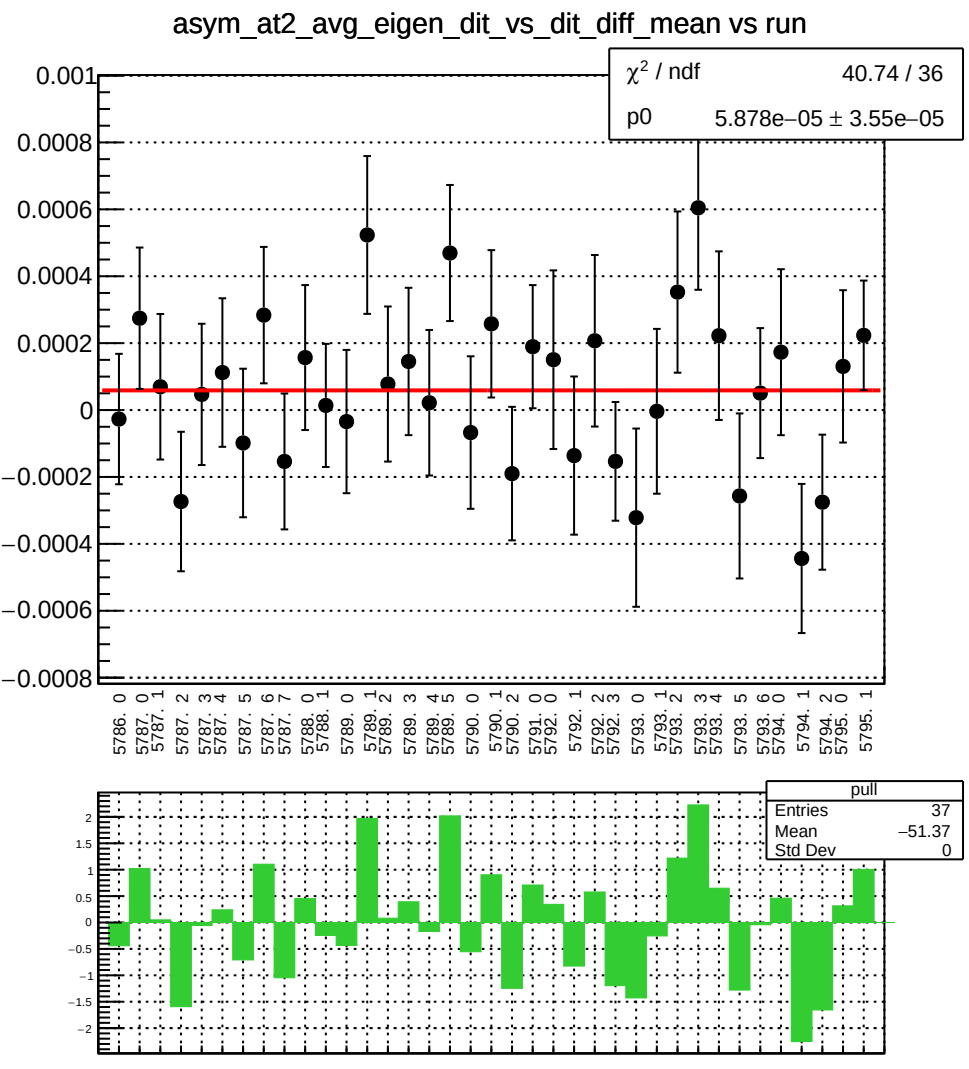

pull1D
Entries 37
Mean 0.07704
Std Dev 1.117

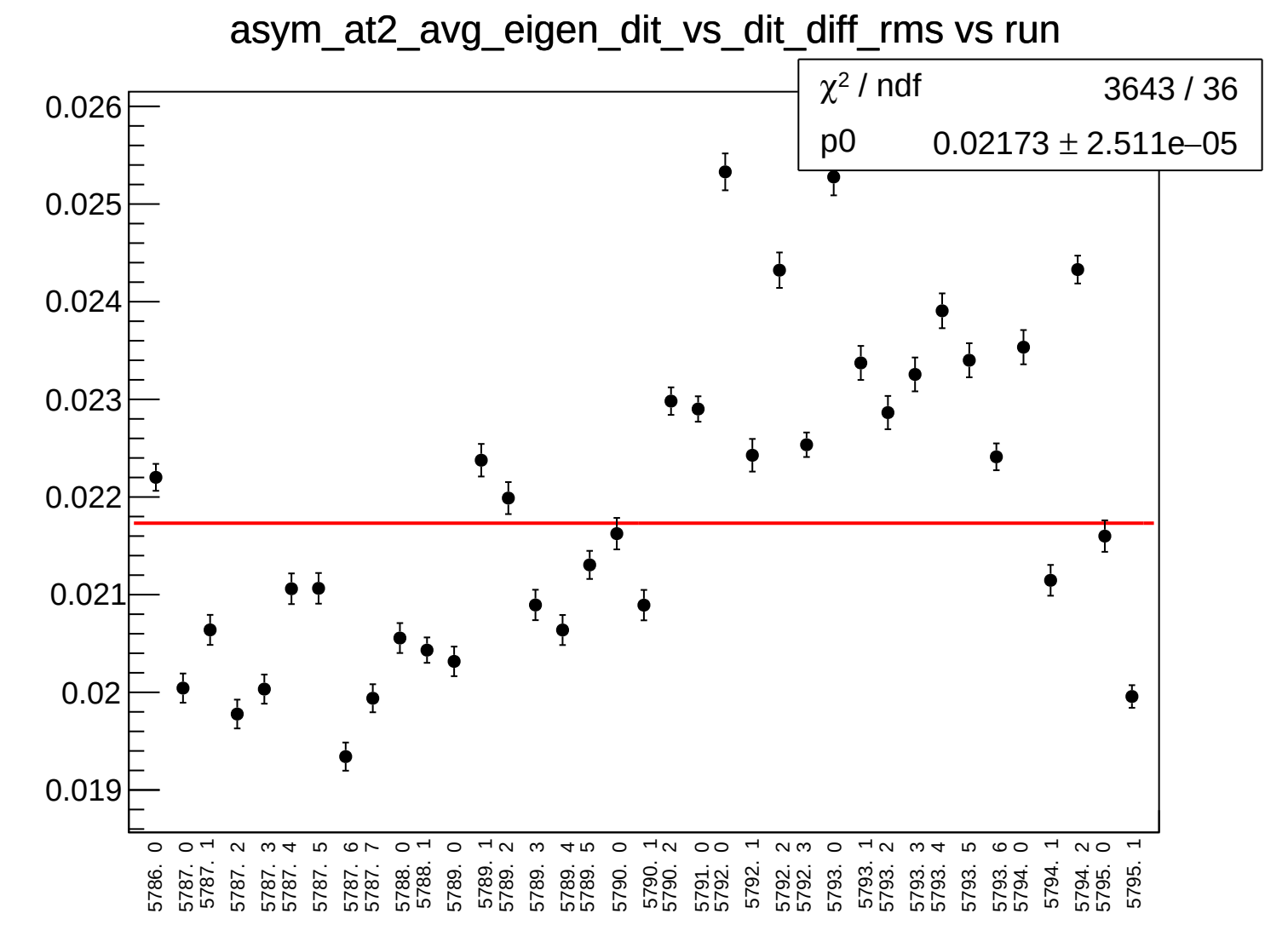

asym_at2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.595e+04 / 36
p0 301.3 ± 0.3534
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

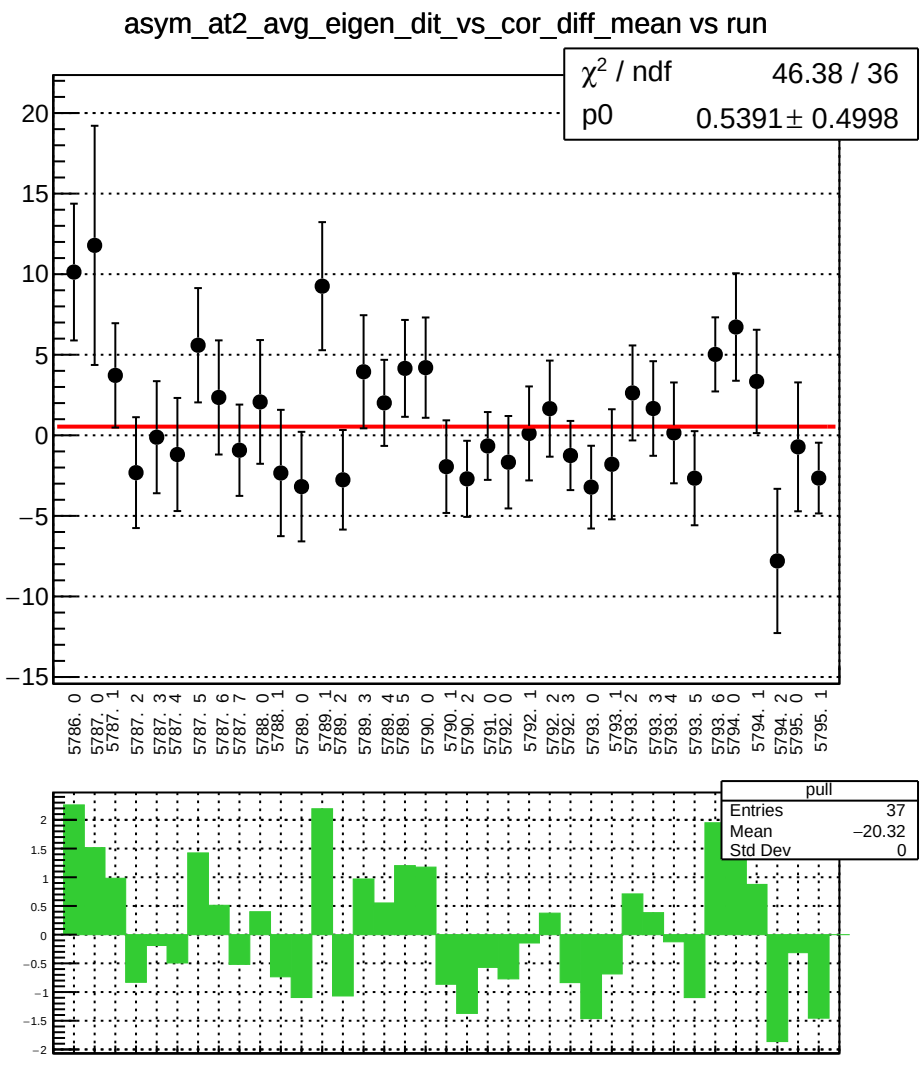

asym_at2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.38 / 36
p0 0.5391 ± 0.4998
pull
Entries 37
Mean −20.32
Std Dev 0

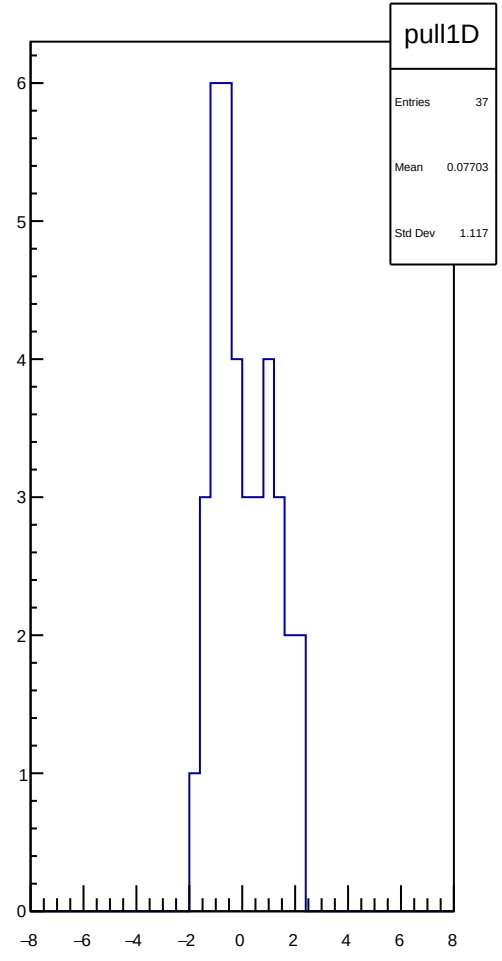

pull1D
Entries 37
Mean 0.07704
Std Dev 1.117

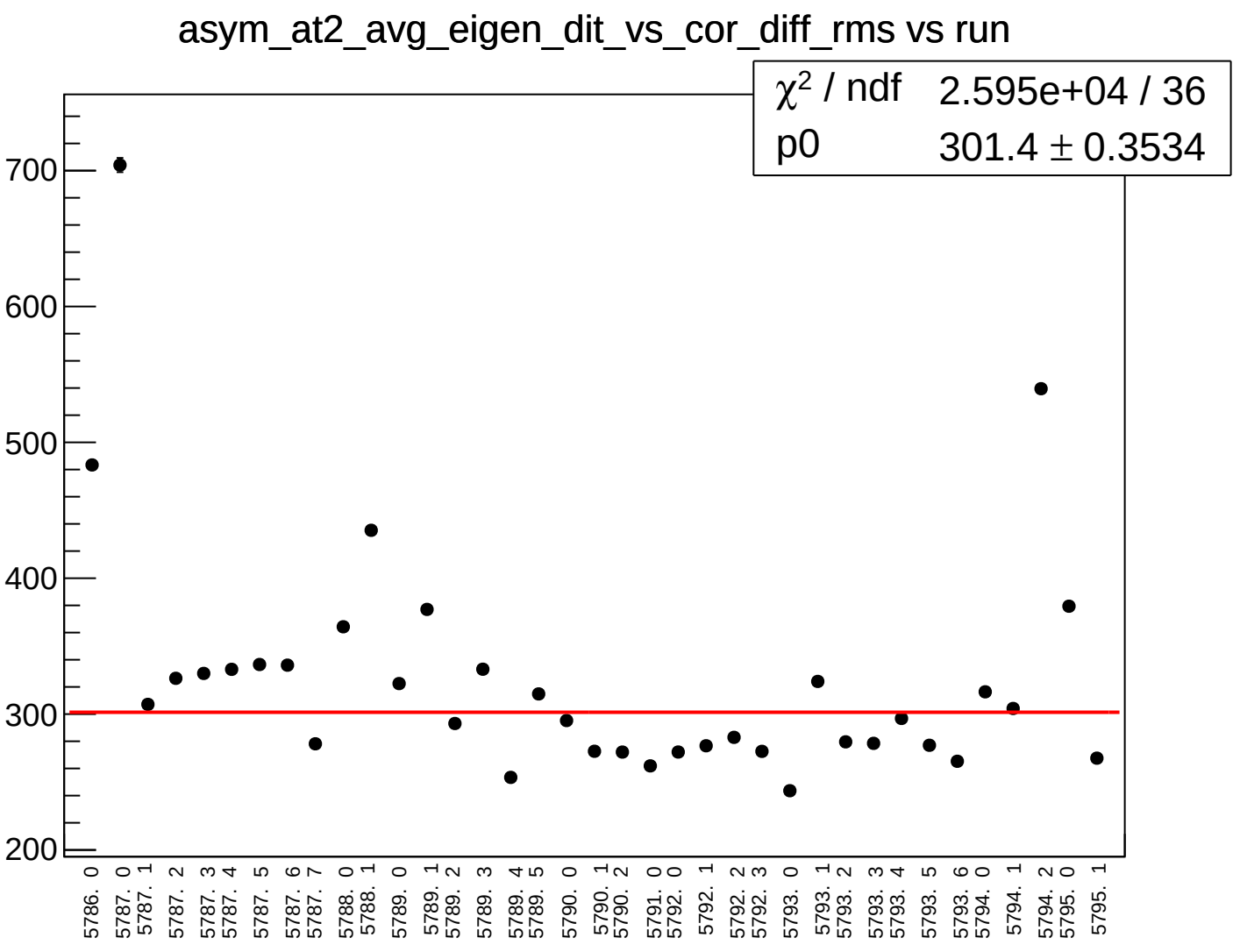

asym_at2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.595e+04 / 36
p0 301.3 ± 0.3534
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

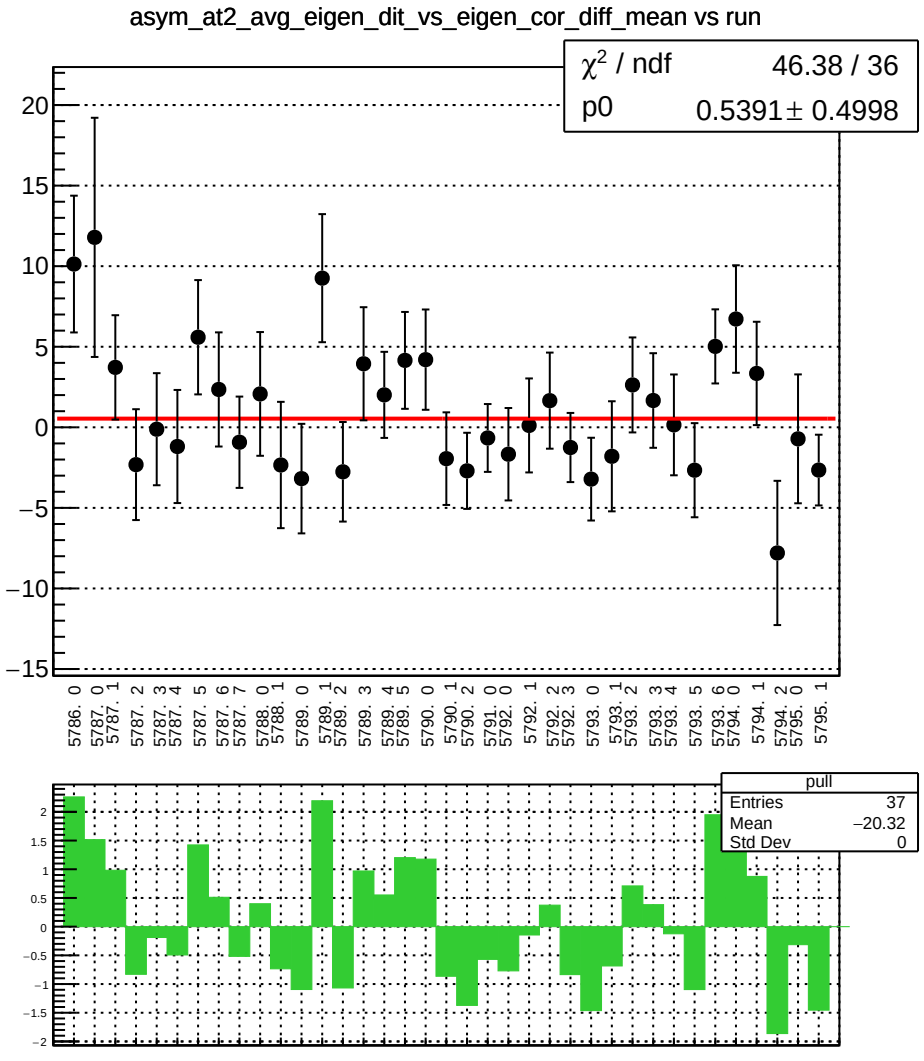

asym_at2_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 40.74 / 36
p0 5.878e−05 ± 3.55e−05
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −51.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.00852
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

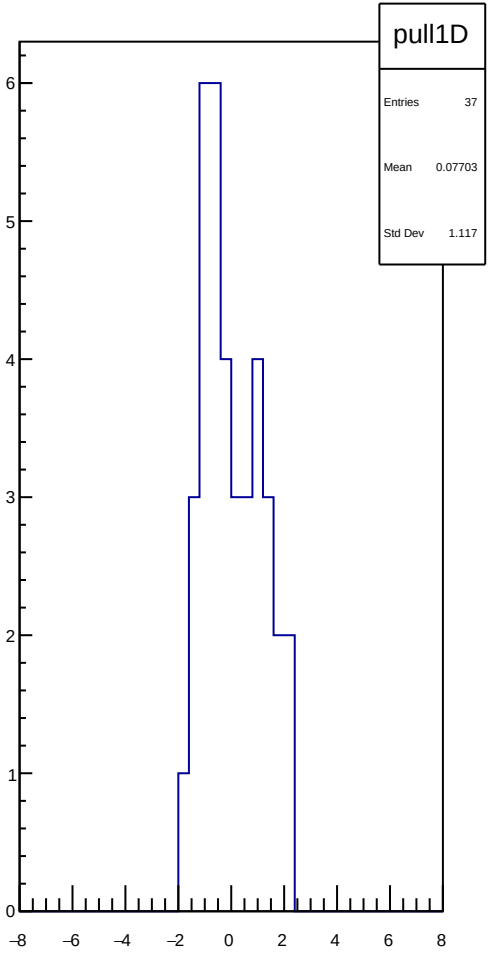

asym_at2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3643 / 36
p0 0.02173 ± 2.511e–05
0.026
0.025
0.024
0.023
0.022
0.021
0.02
0.019
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

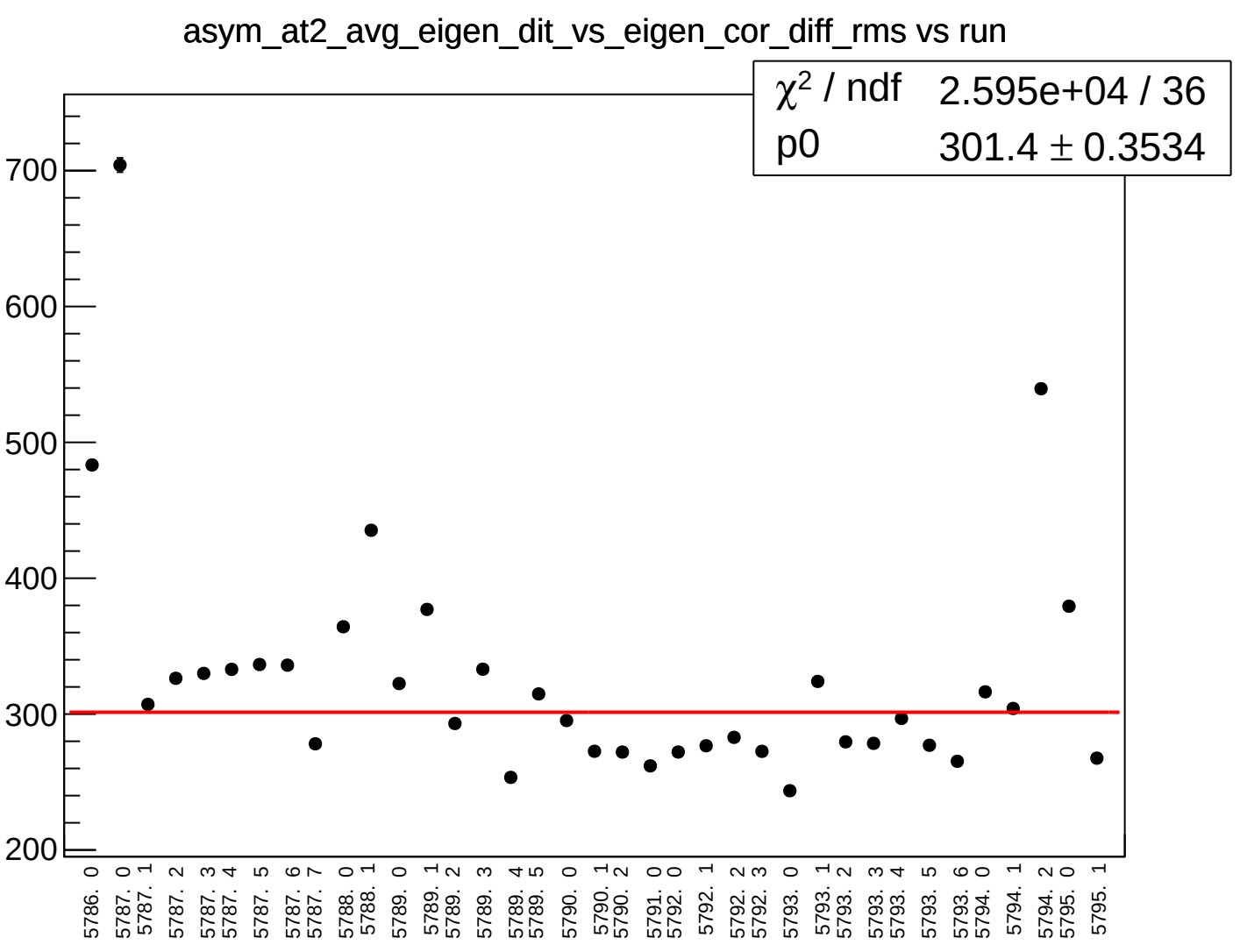

asym_at2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.38 / 36
p0 0.5391 ± 0.4998
pull
Entries 37
Mean −20.32
Std Dev 0

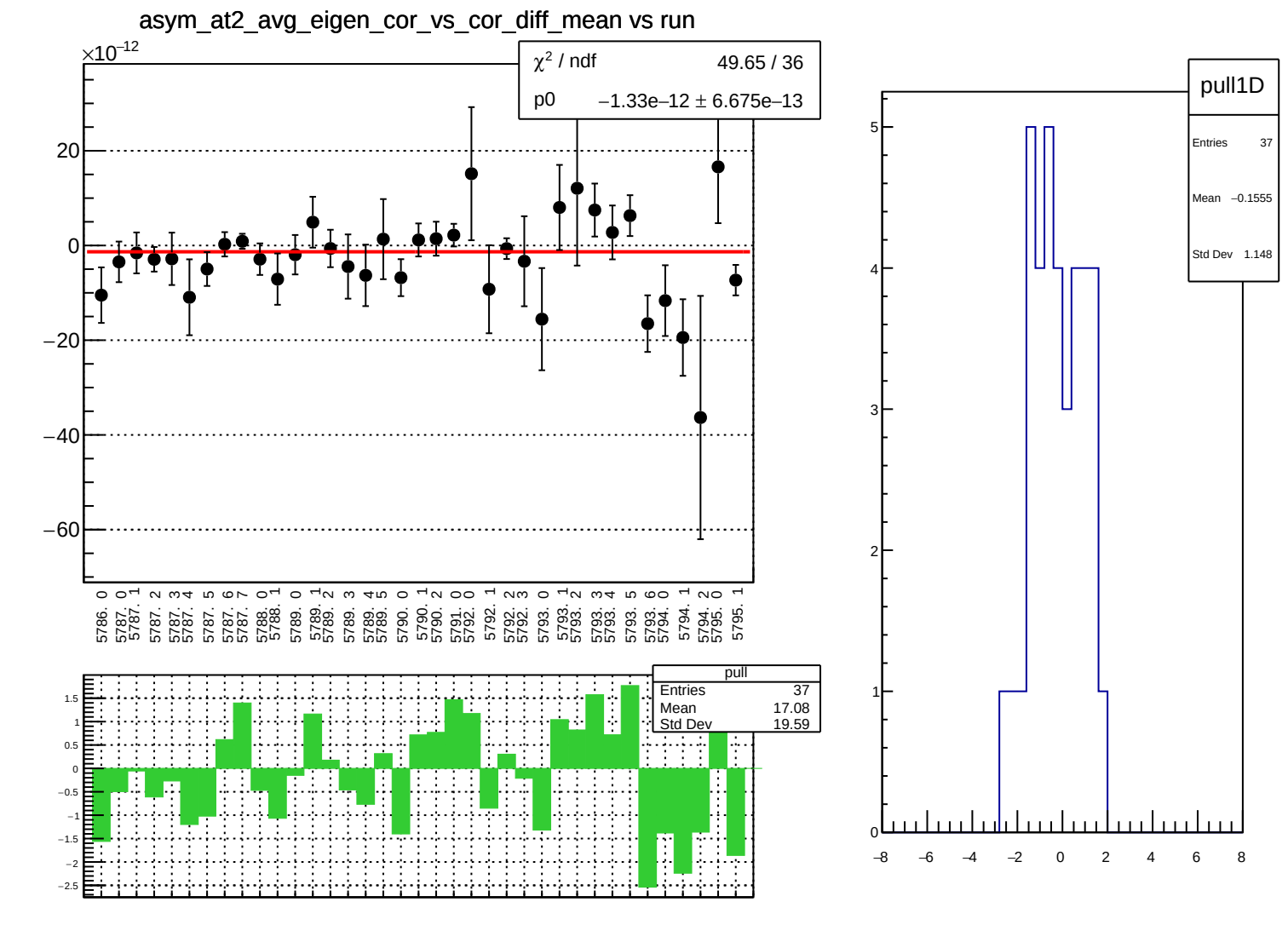

pull1D
Entries 37
Mean 0.07703
Std Dev 1.117

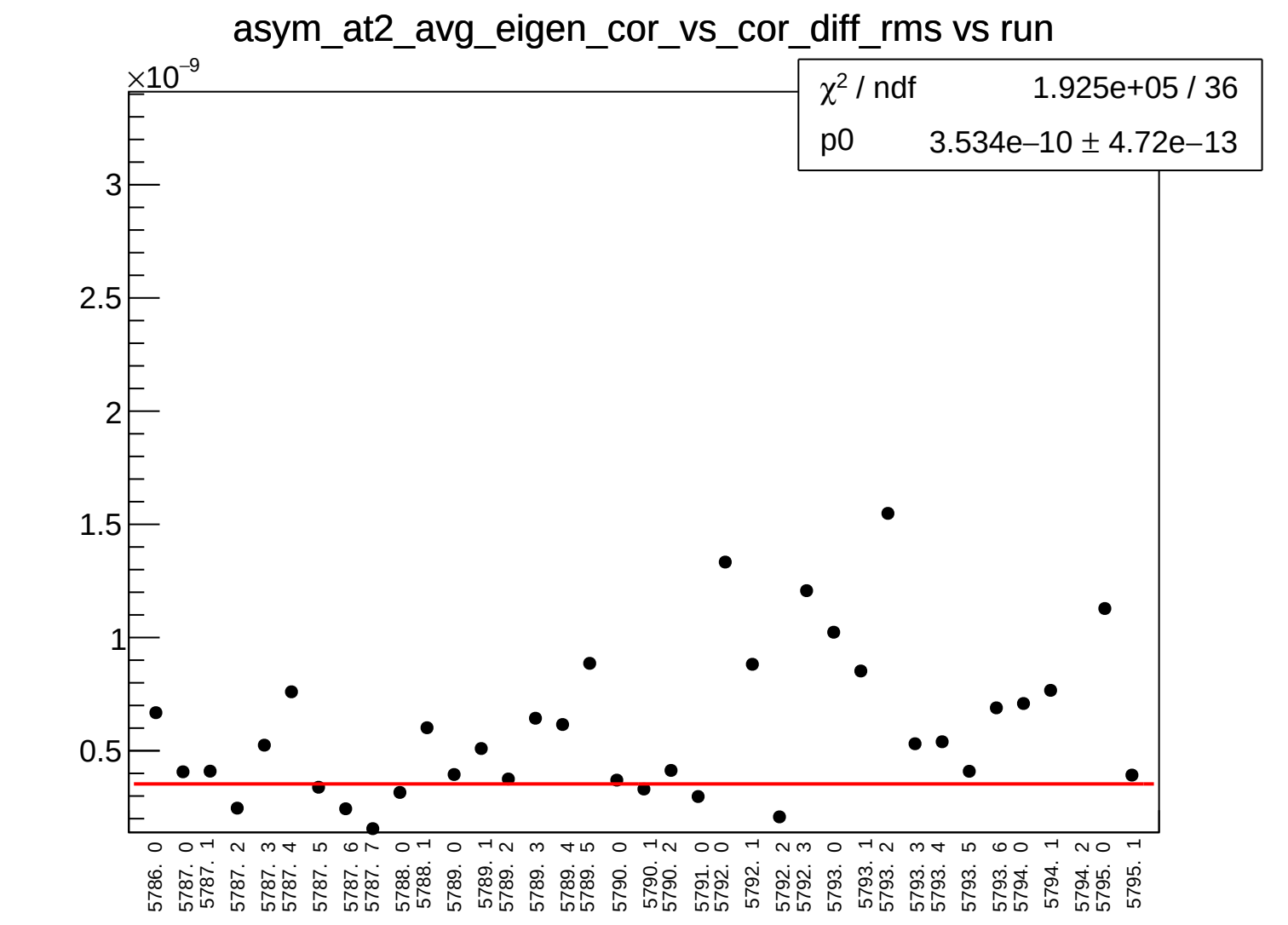

asym_at2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.595e+04 / 36
p0 301.4 ± 0.3534
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

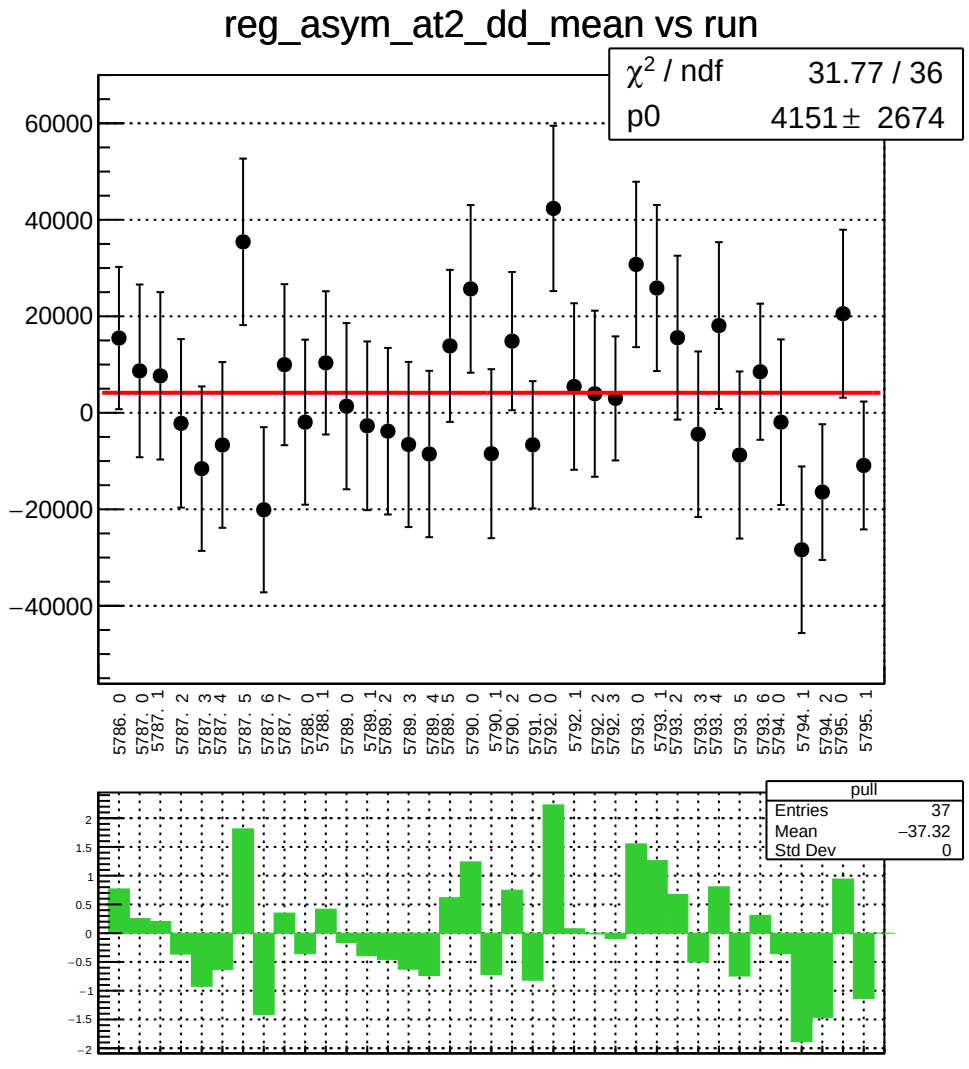

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.38 / 36
p0 0.5391 ± 0.4998
pull
Entries 37
Mean −20.32
Std Dev 0

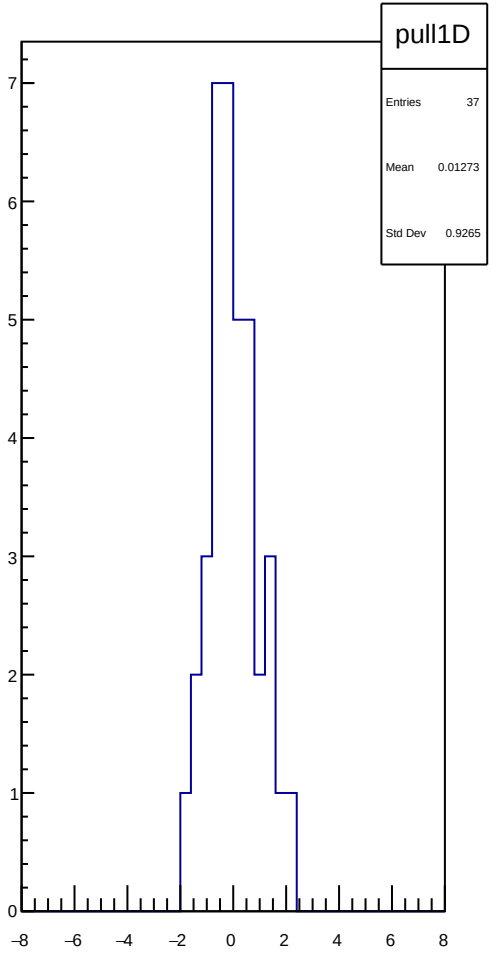

pull1D
Entries 37
Mean 0.07703
Std Dev 1.117

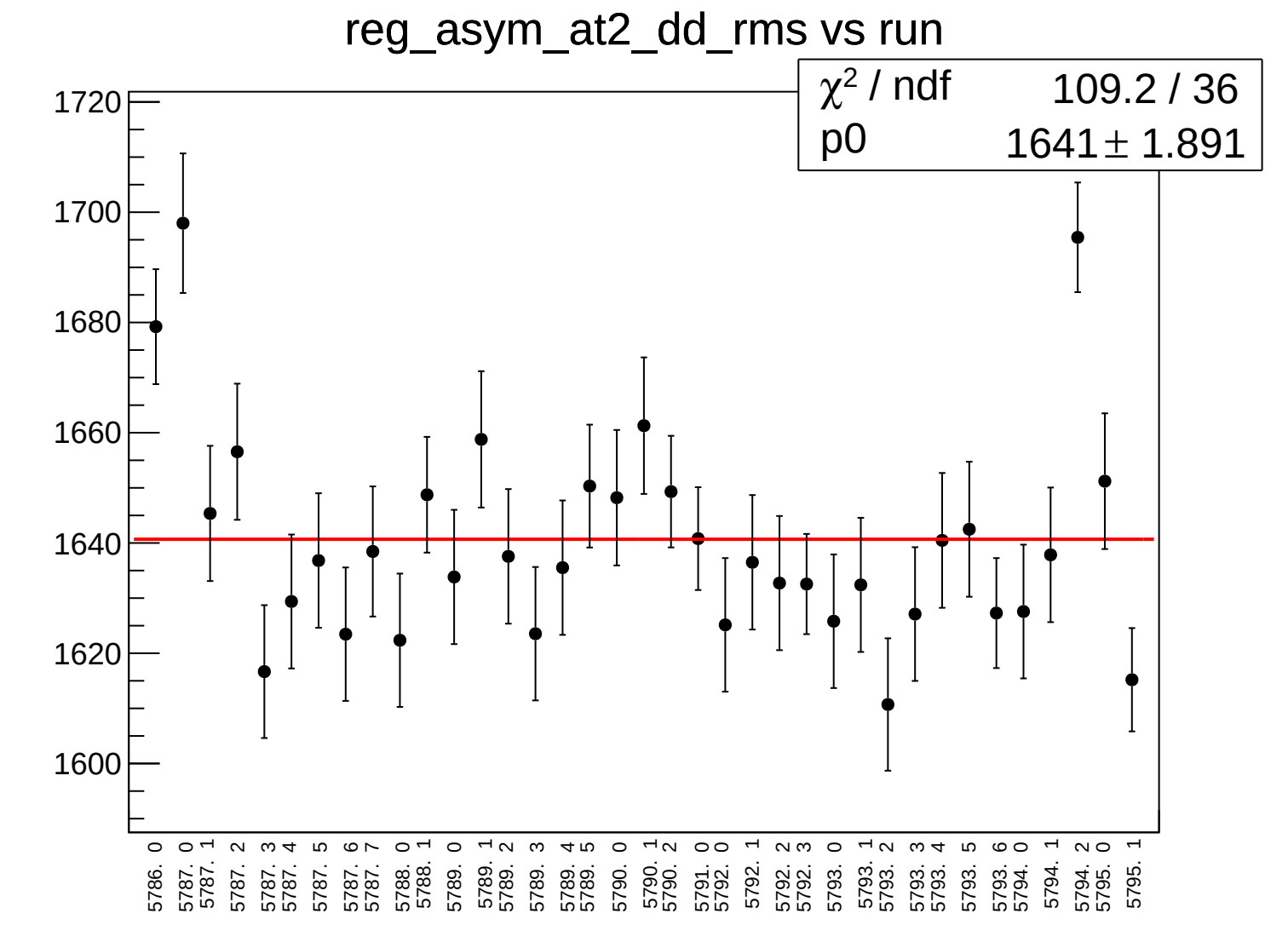

asym_at2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.595e+04 / 36
p0 301.4 ± 0.3534
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

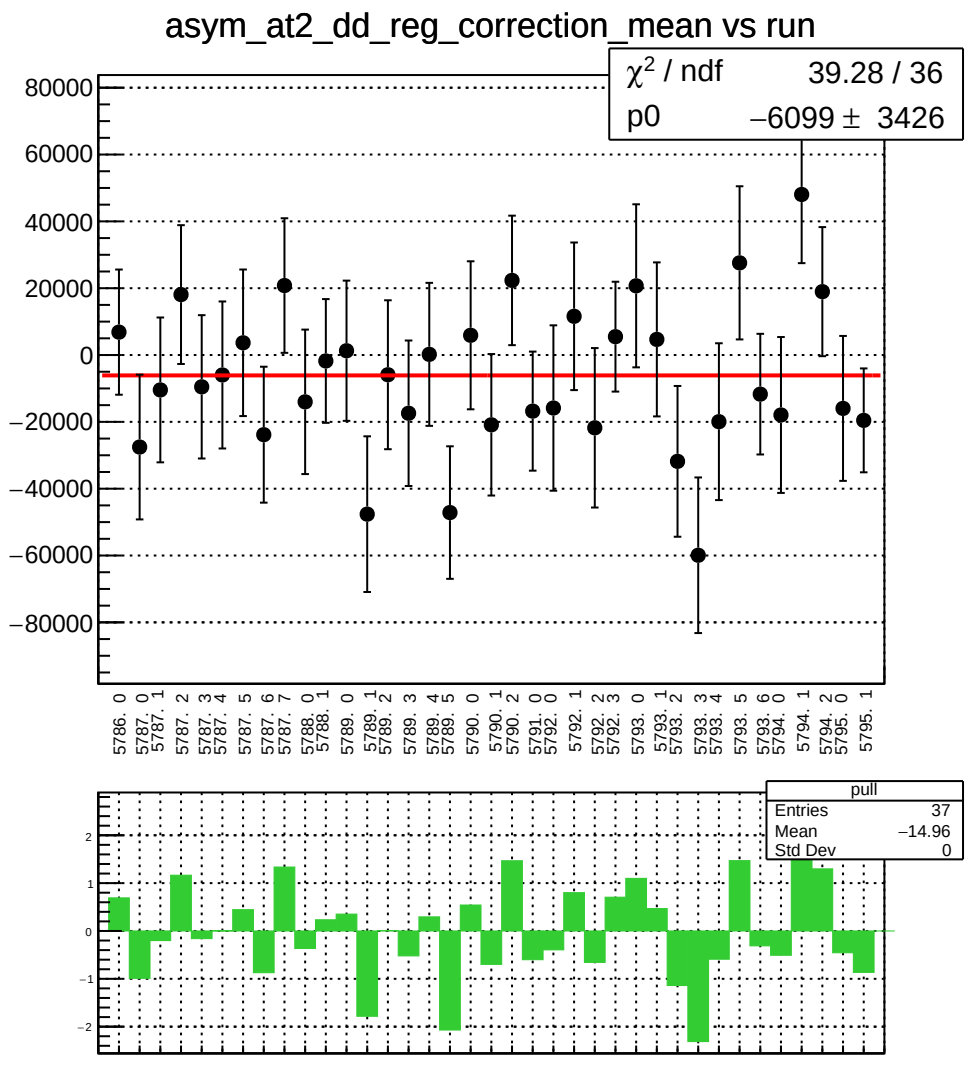

asym_at2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.65 / 36
p0 −1.33e−12 ± 6.675e−13
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.08
Std Dev 19.59
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.1555
Std Dev 1.148
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

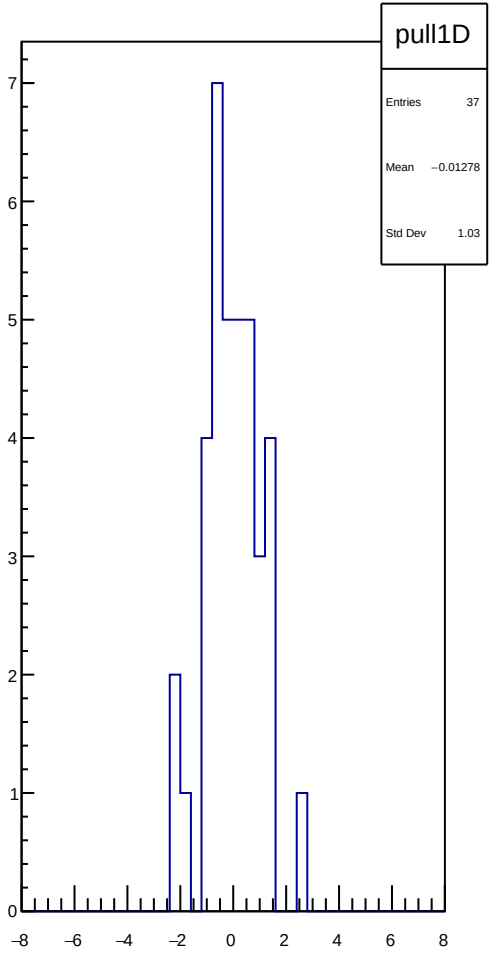

asym_at2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.925e+05 / 36
p0 3.534e−10 ± 4.72e−13
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

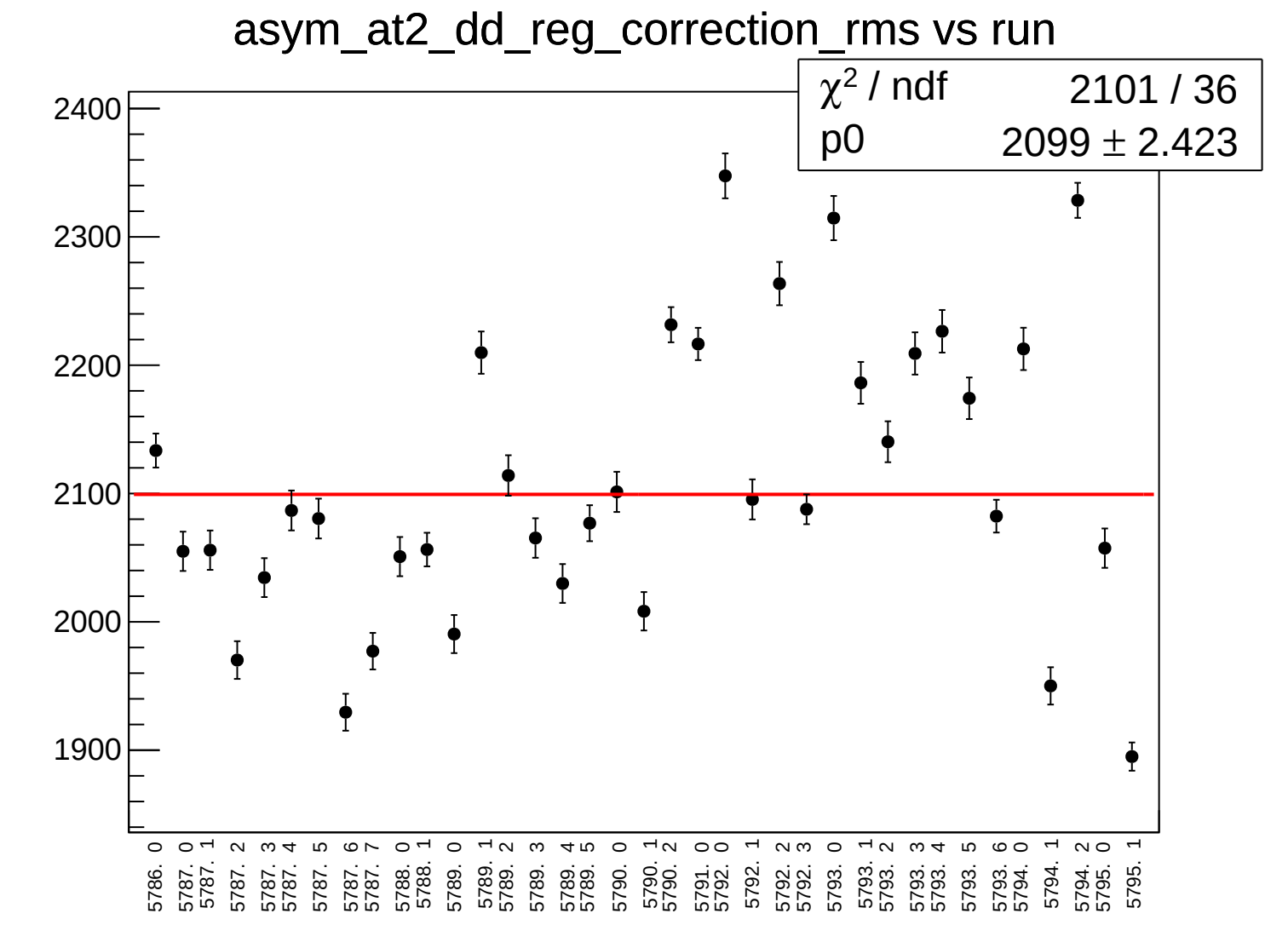

reg_asym_at2_dd_mean vs run
χ² / ndf 31.77 / 36
p0 4151 ± 2674
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

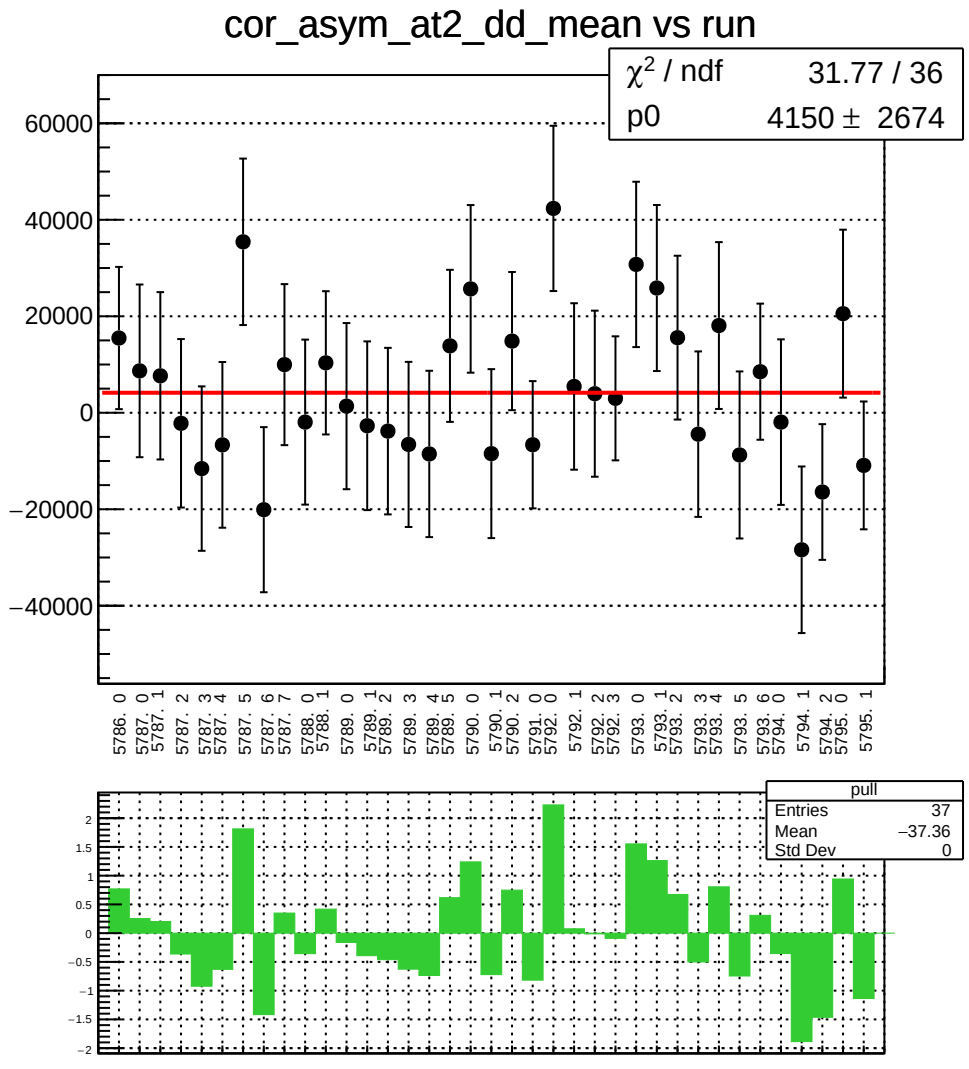

pull1D
Entries 37
Mean 0.01273
Std Dev 0.9265
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

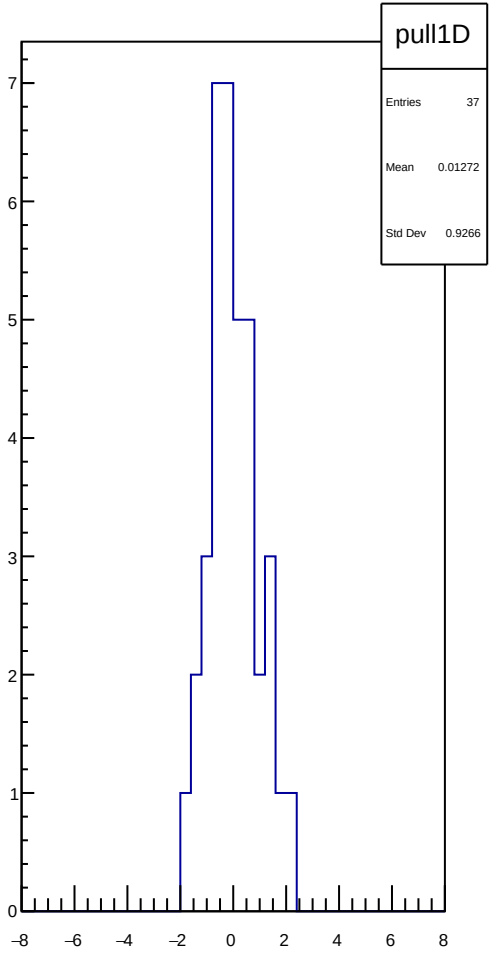

reg_asym_at2_dd_rms vs run
χ² / ndf 109.2 / 36
p0 1641 ± 1.891
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

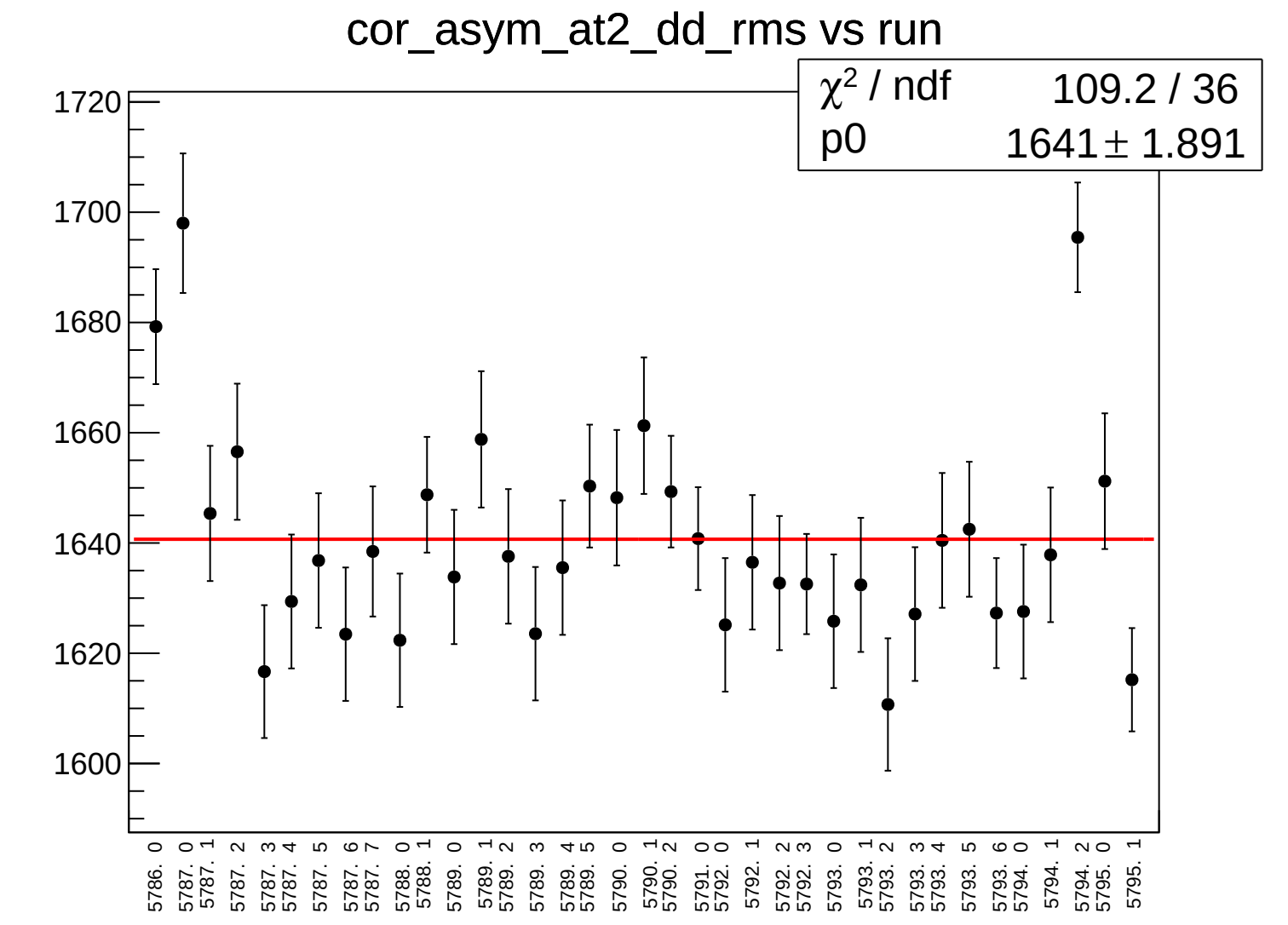

asym_at2_dd_reg_correction_mean vs run
χ² / ndf 39.28 / 36
p0 −6099 ± 3426
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.96
Std Dev 0
2
1
0
−1
−2

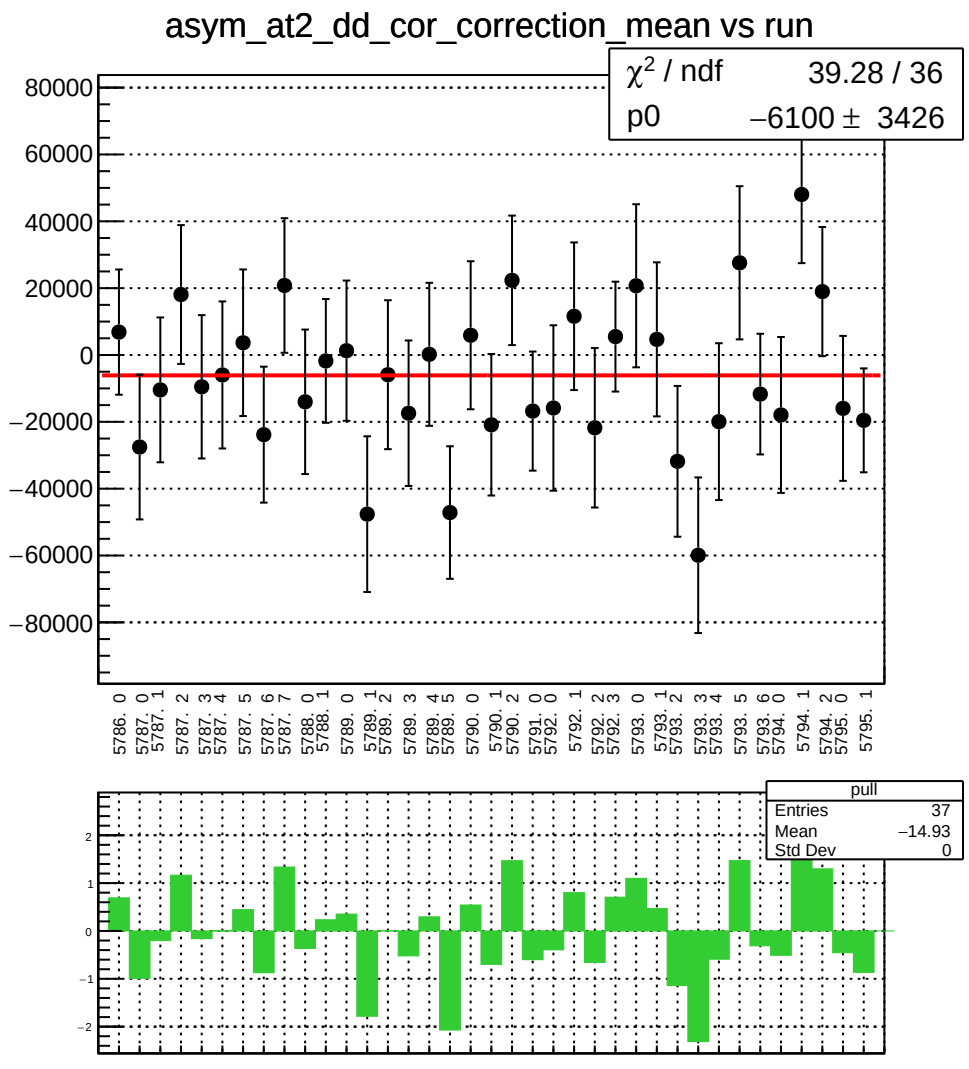

pull1D
Entries 37
Mean −0.01278
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

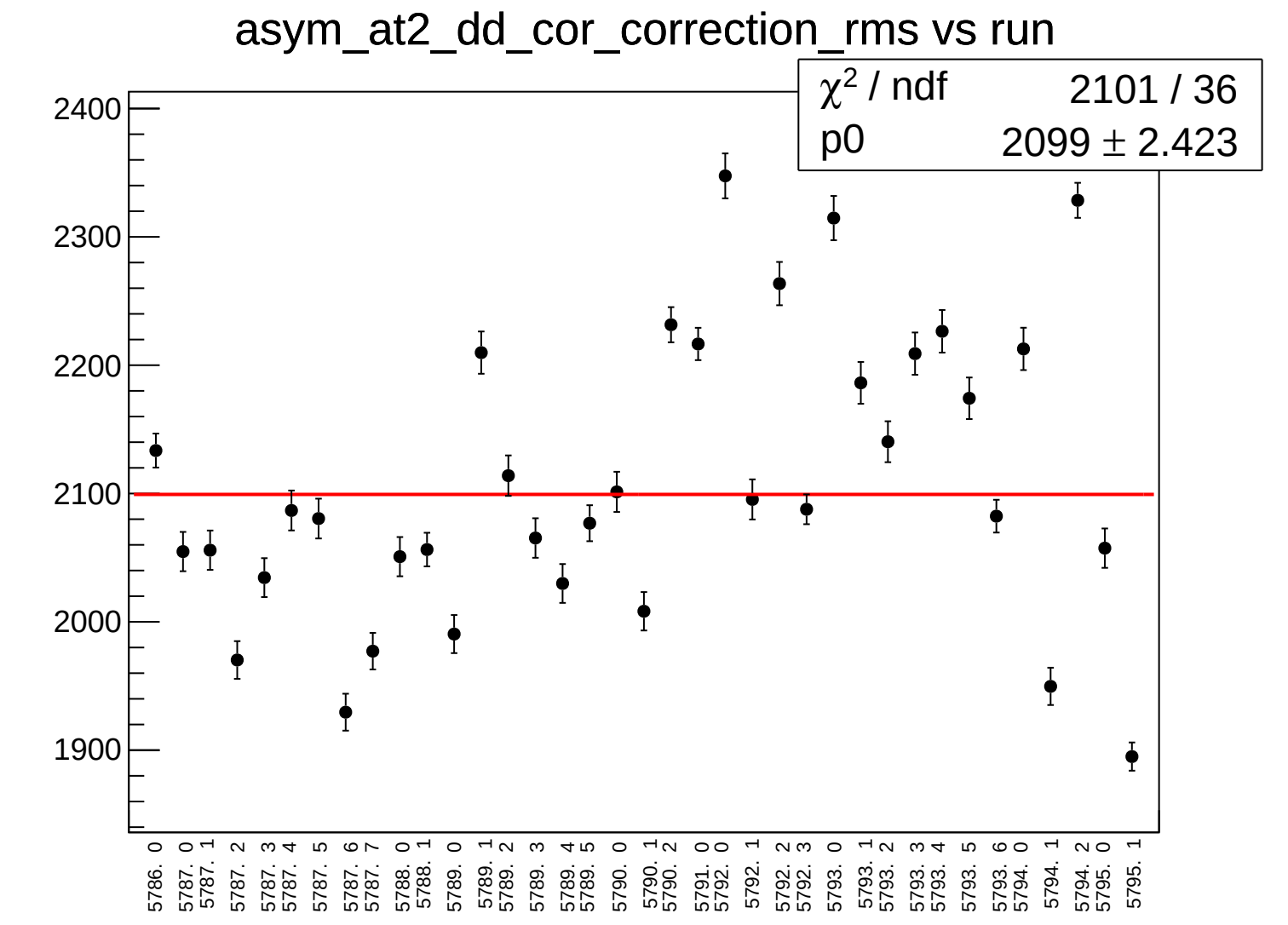

asym_at2_dd_reg_correction_rms vs run
χ² / ndf 2101 / 36
p0 2099 ± 2.423
2400
2300
2200
2100
2000
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

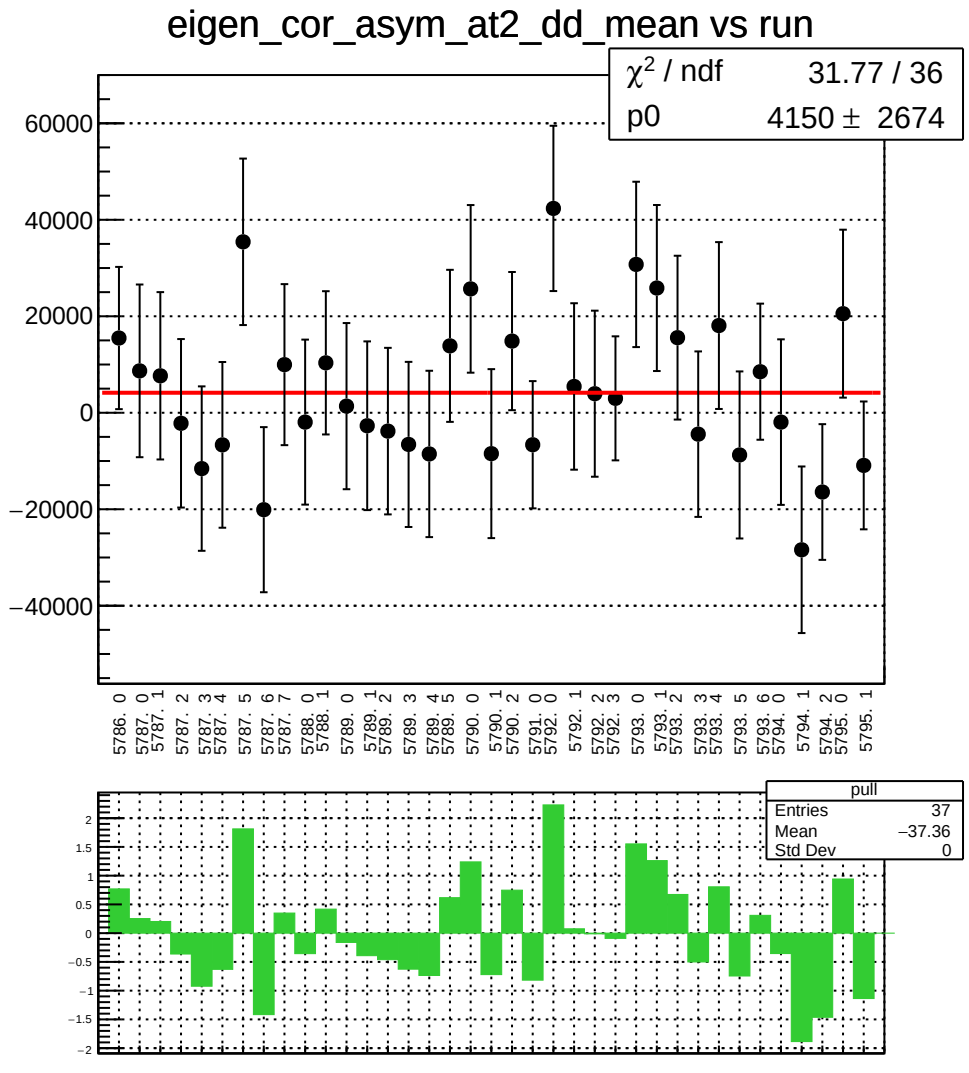

cor_asym_at2_dd_mean vs run
χ² / ndf 31.77 / 36
p0 4150 ± 2674
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

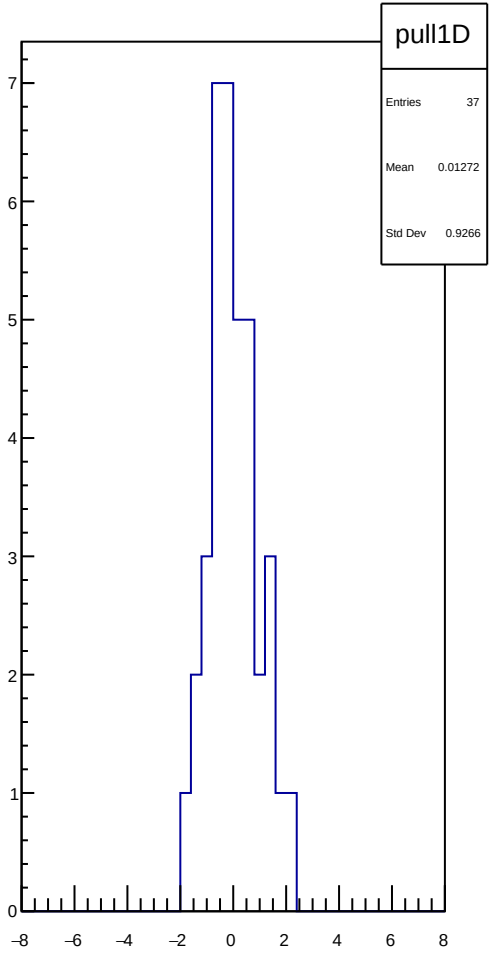

pull1D
Entries 37
Mean 0.01272
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

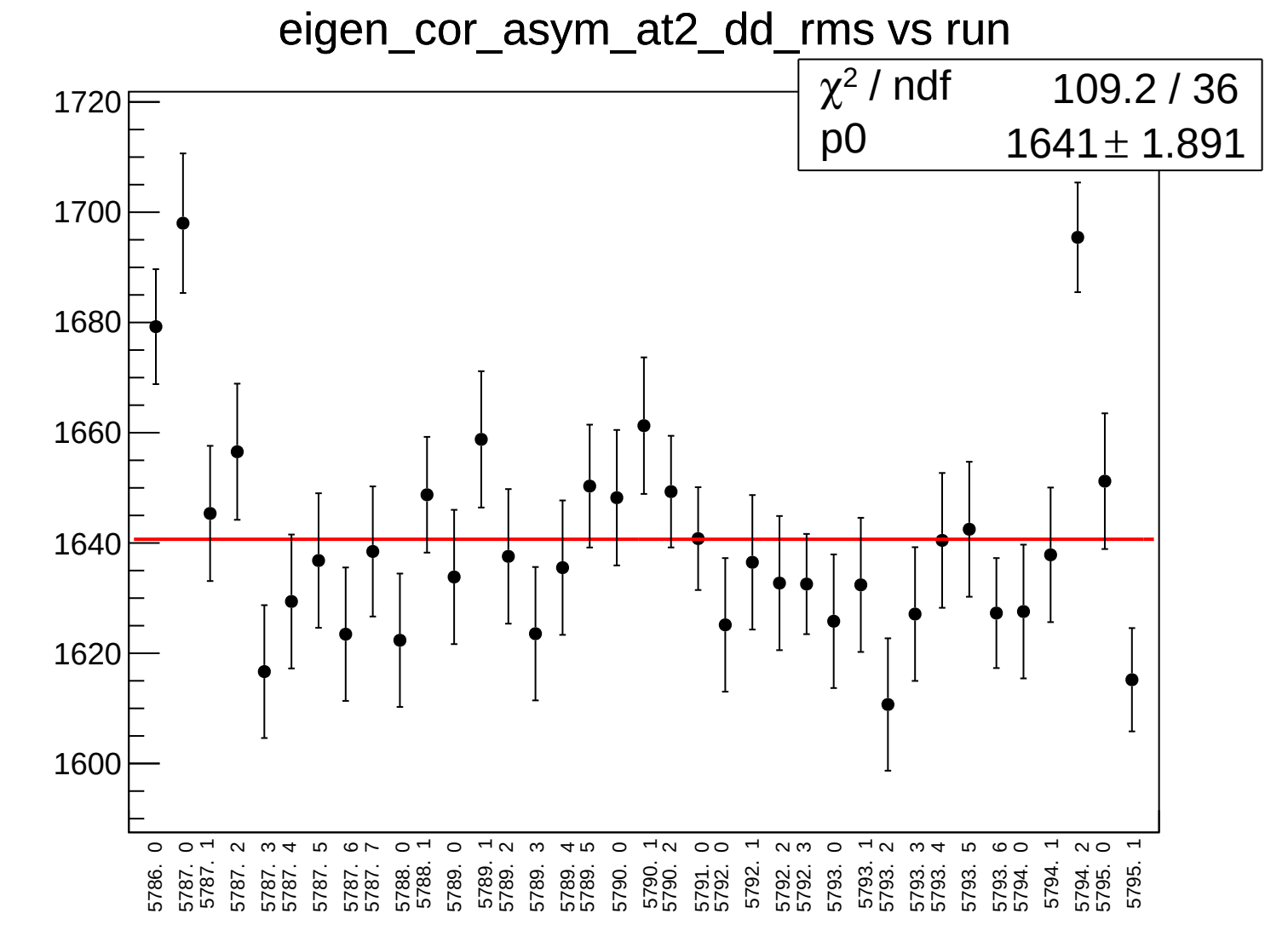

cor_asym_at2_dd_rms vs run
χ² / ndf 109.2 / 36
p0 1641 ± 1.891
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at2_dd_cor_correction_mean vs run
χ² / ndf 39.28 / 36
p0 −6100 ± 3426
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.93
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01279
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

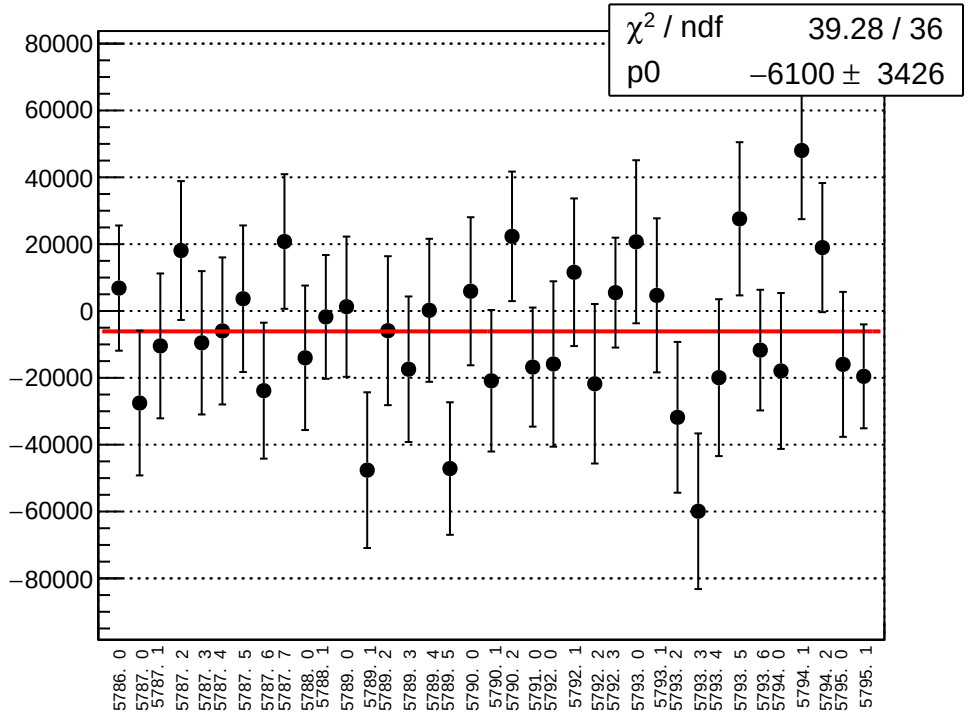

asym_at2_dd_cor_correction_rms vs run
χ² / ndf 2101 / 36
p0 2099 ± 2.423
2400
2300
2200
2100
2000
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

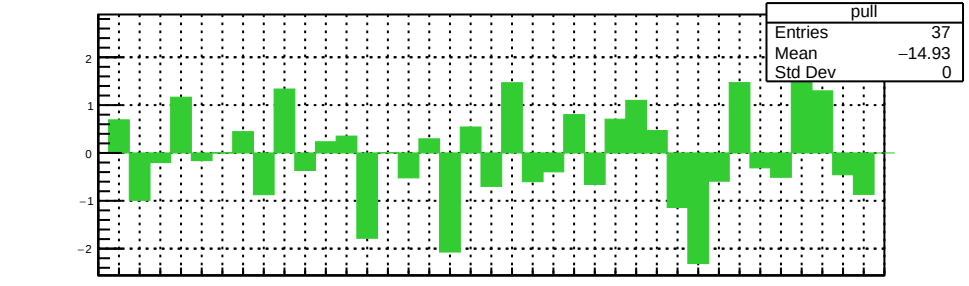

eigen_cor_asym_at2_dd_mean vs run
χ² / ndf 31.77 / 36
p0 4150 ± 2674
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.36
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

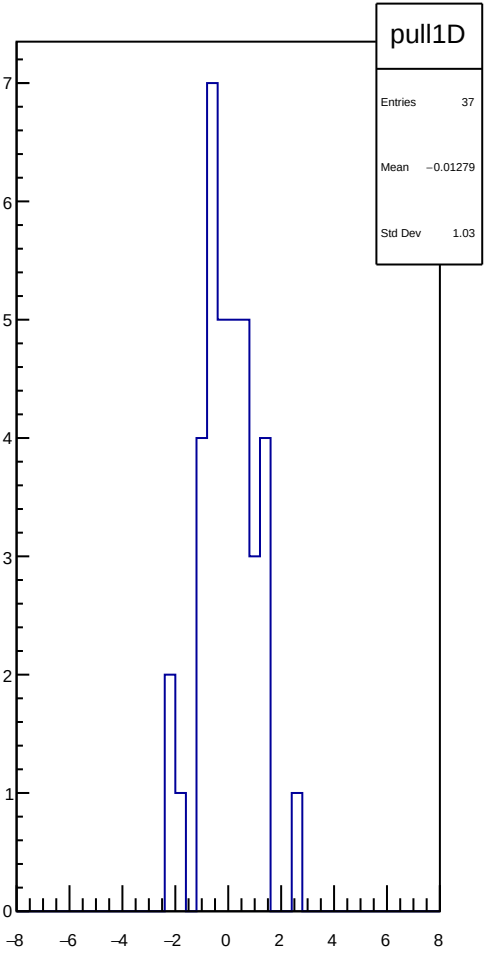

pull1D
Entries 37
Mean 0.01272
Std Dev 0.9266
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

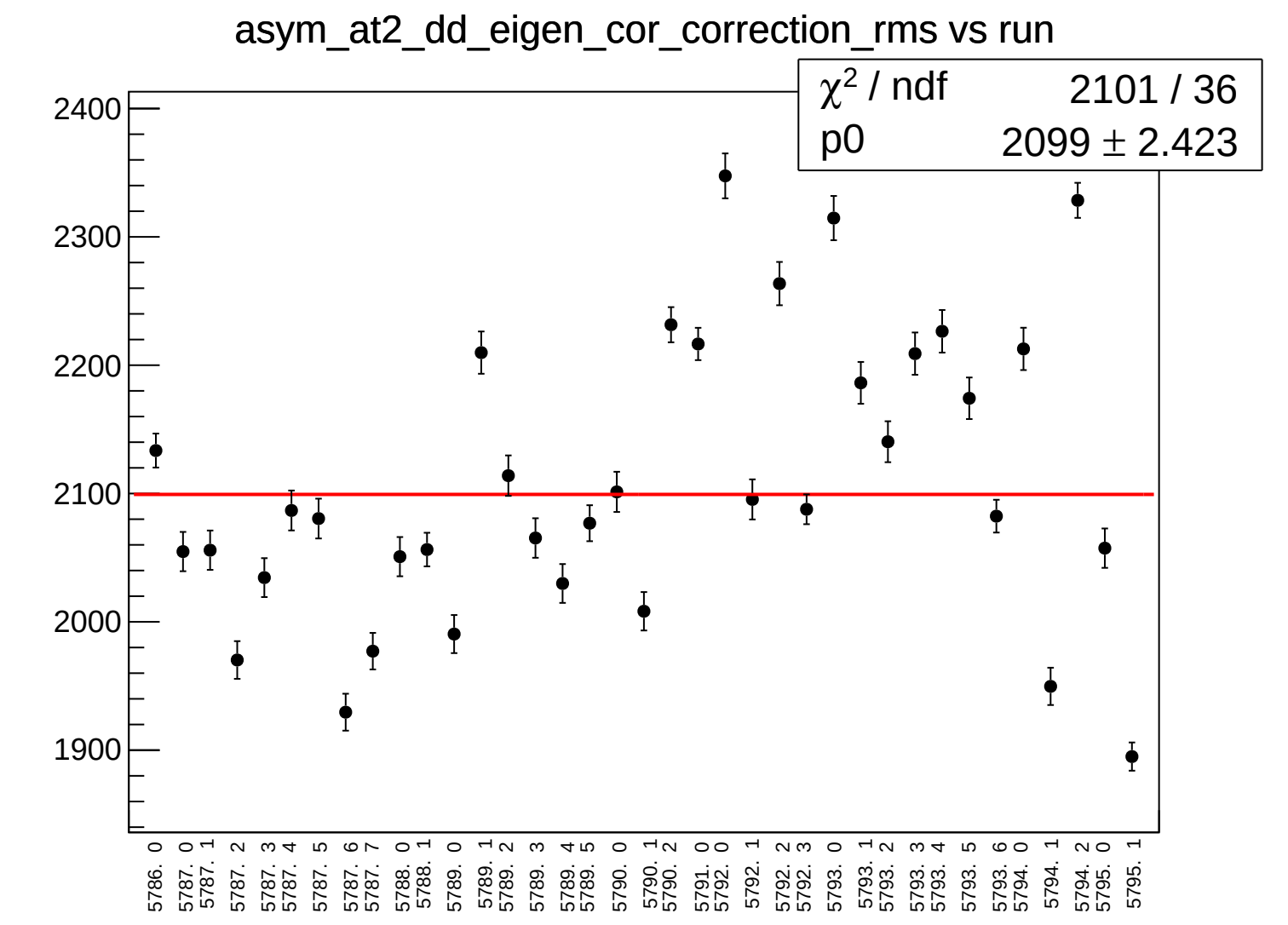

eigen_cor_asym_at2_dd_rms vs run
χ² / ndf 109.2 / 36
p0 1641 ± 1.891
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

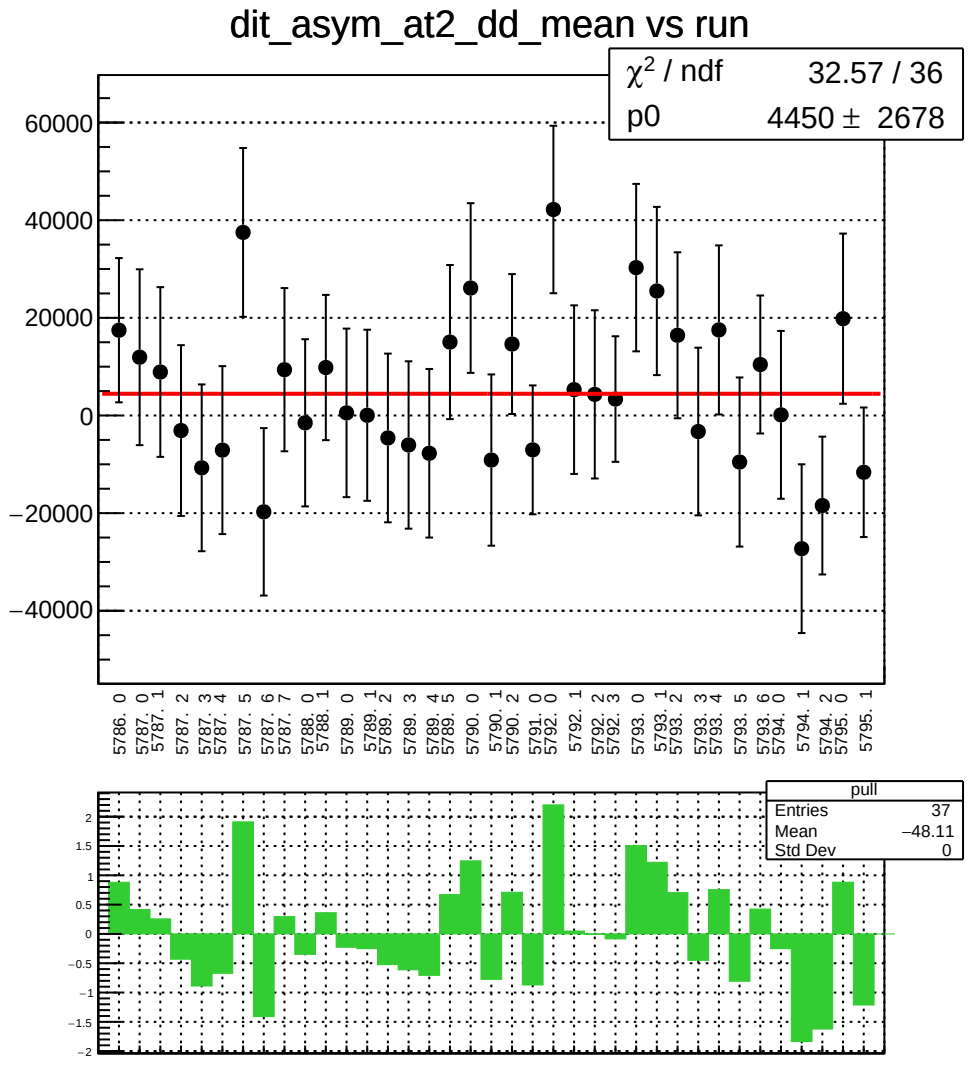
asym_at2_dd_eigen_cor_correction_mean vs run

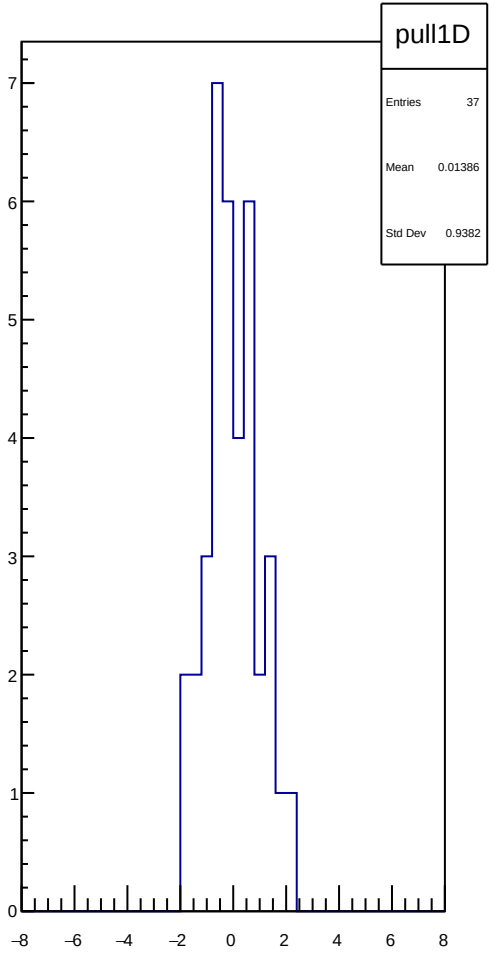


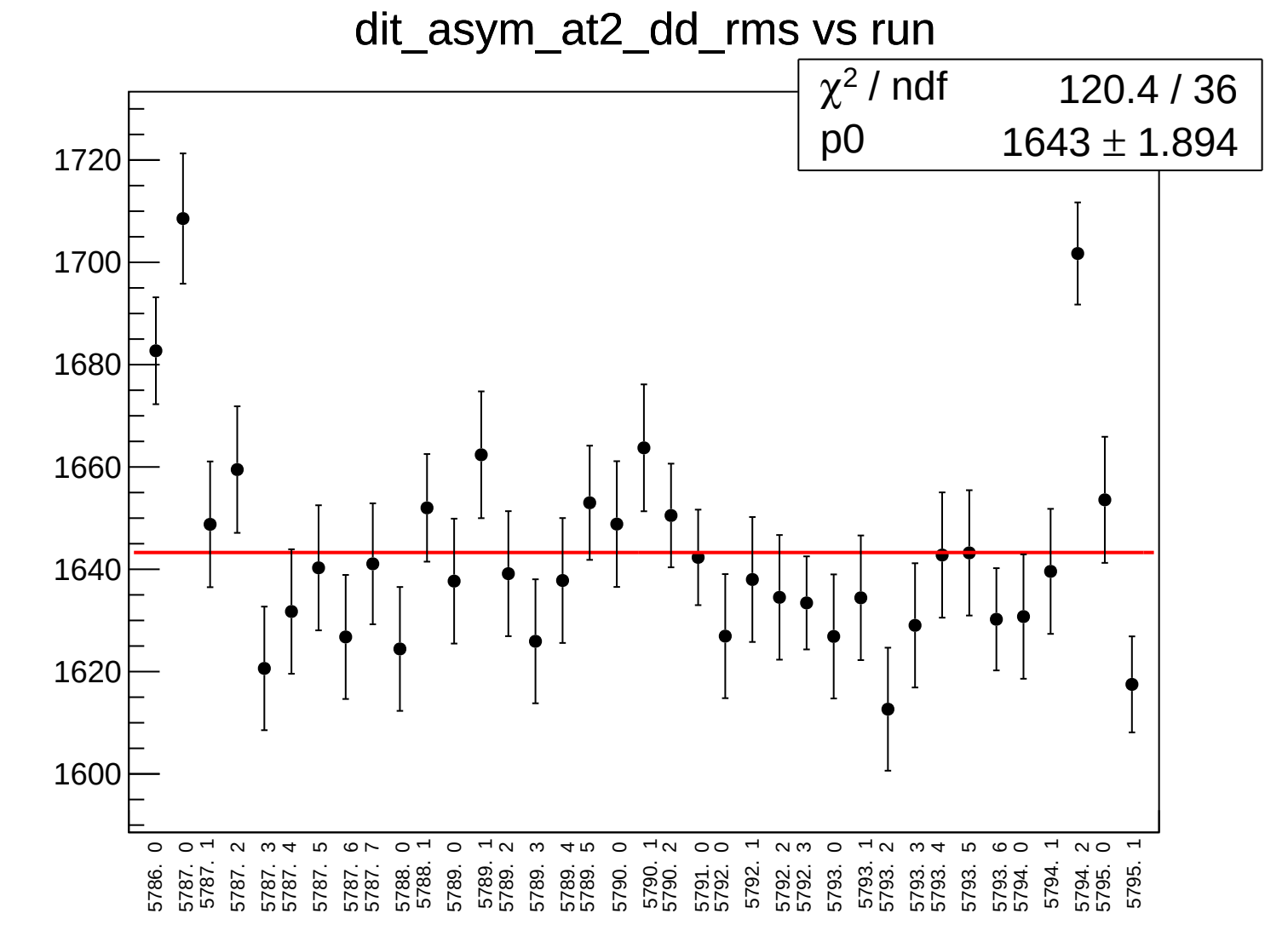


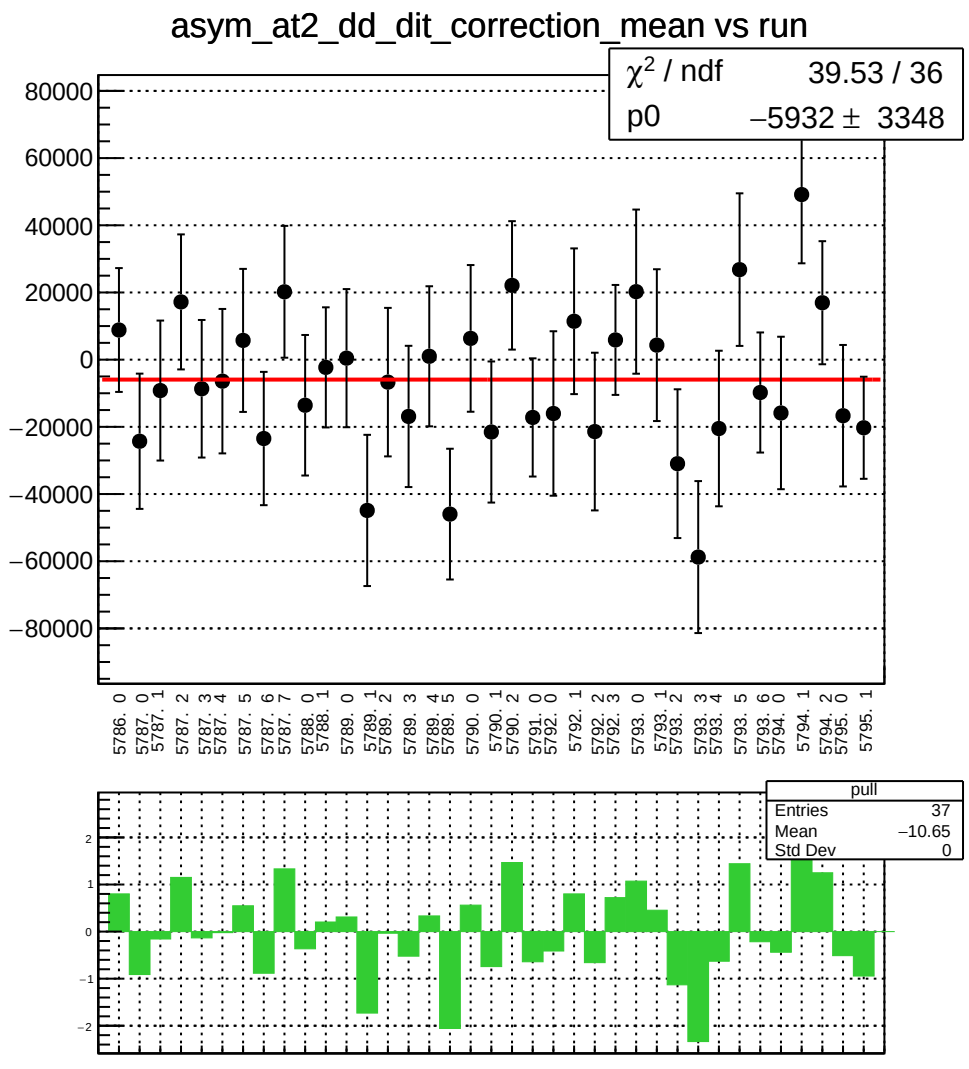


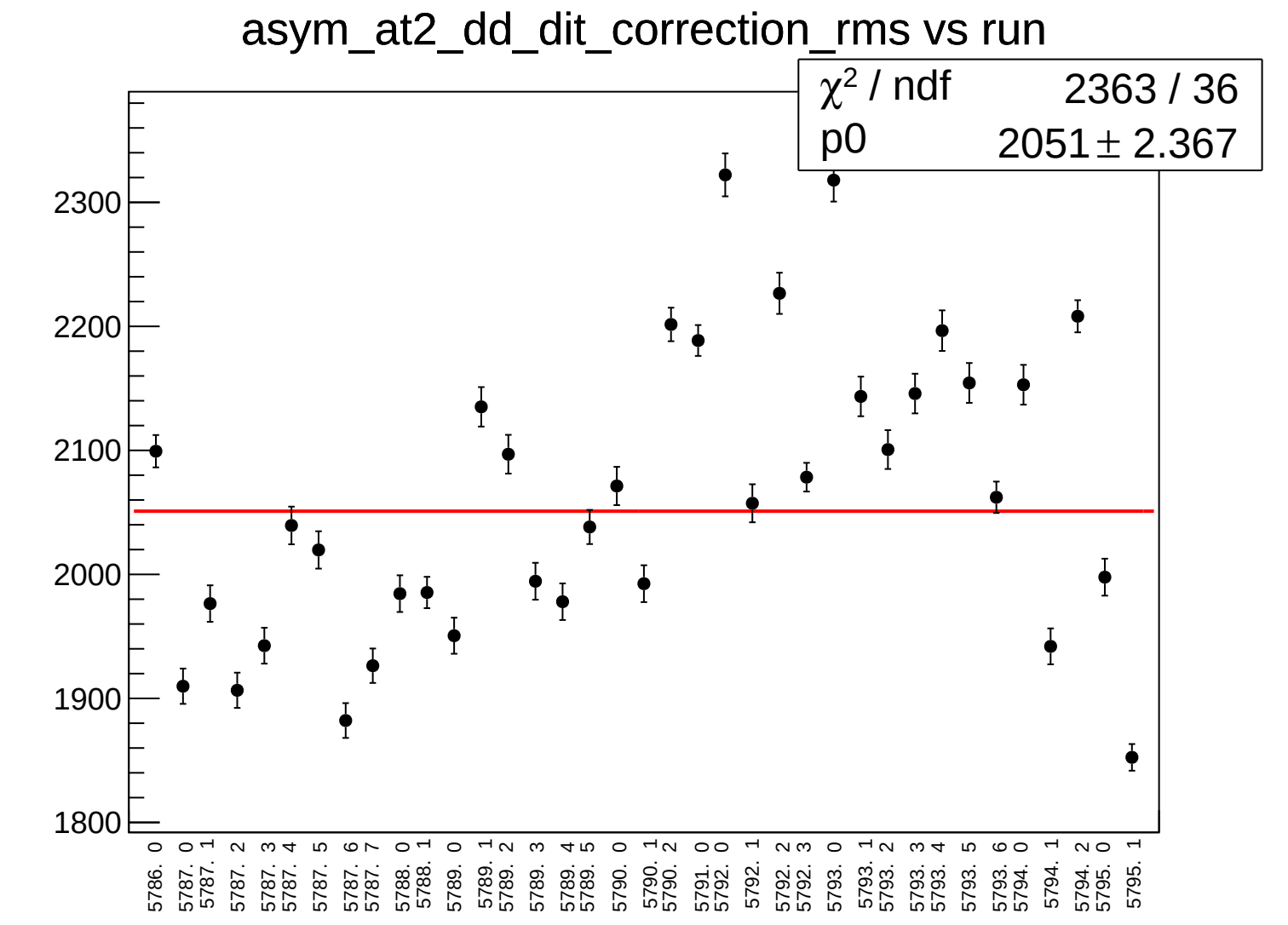

asym_at2_dd_eigen_cor_correction_rms vs run
χ² / ndf 2101 / 36
p0 2099 ± 2.423
2400
2300
2200
2100
2000
1900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

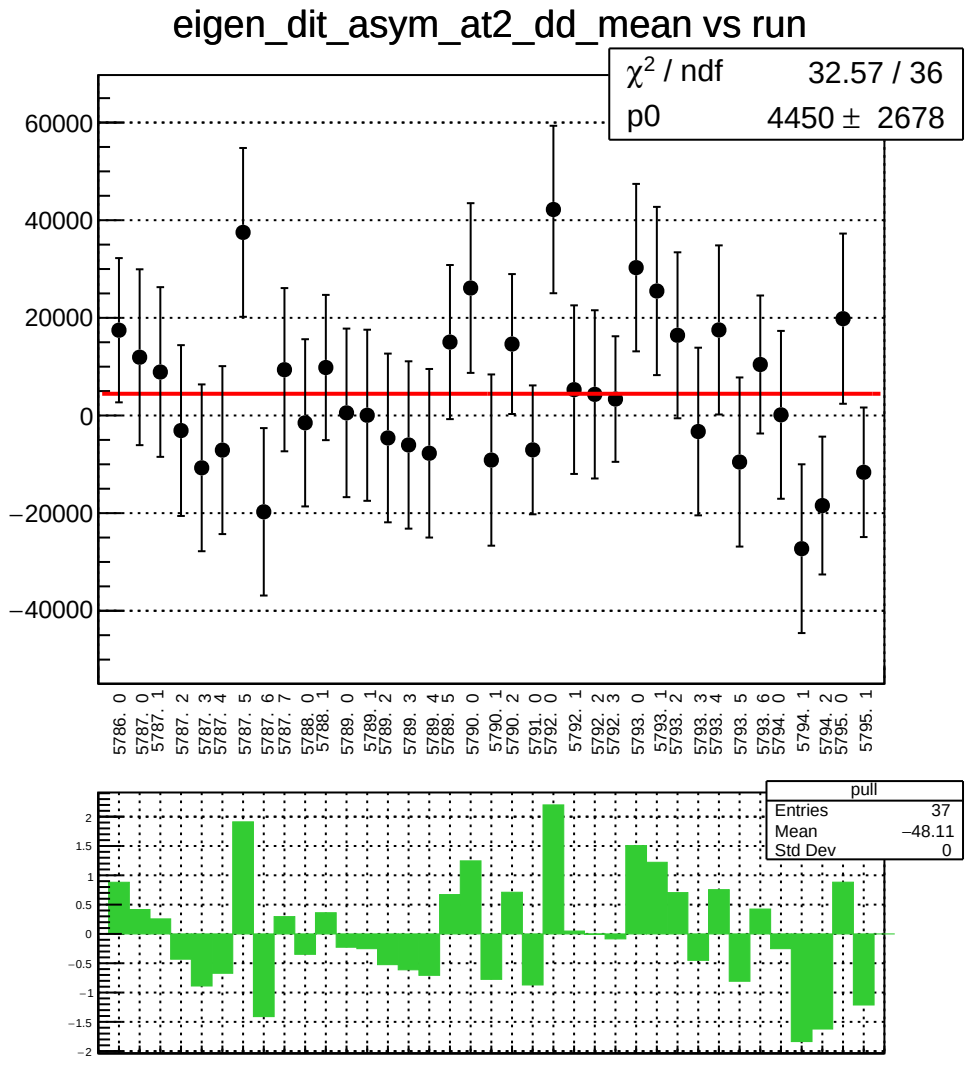

dit_asym_at2_dd_mean vs run
χ² / ndf 32.57 / 36
p0 4450 ± 2678
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −48.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

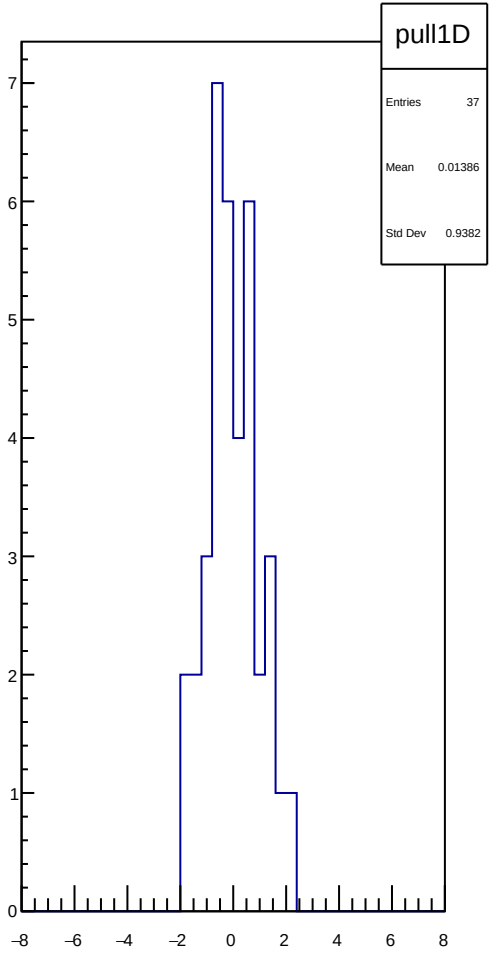

pull1D
Entries 37
Mean 0.01386
Std Dev 0.9382
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

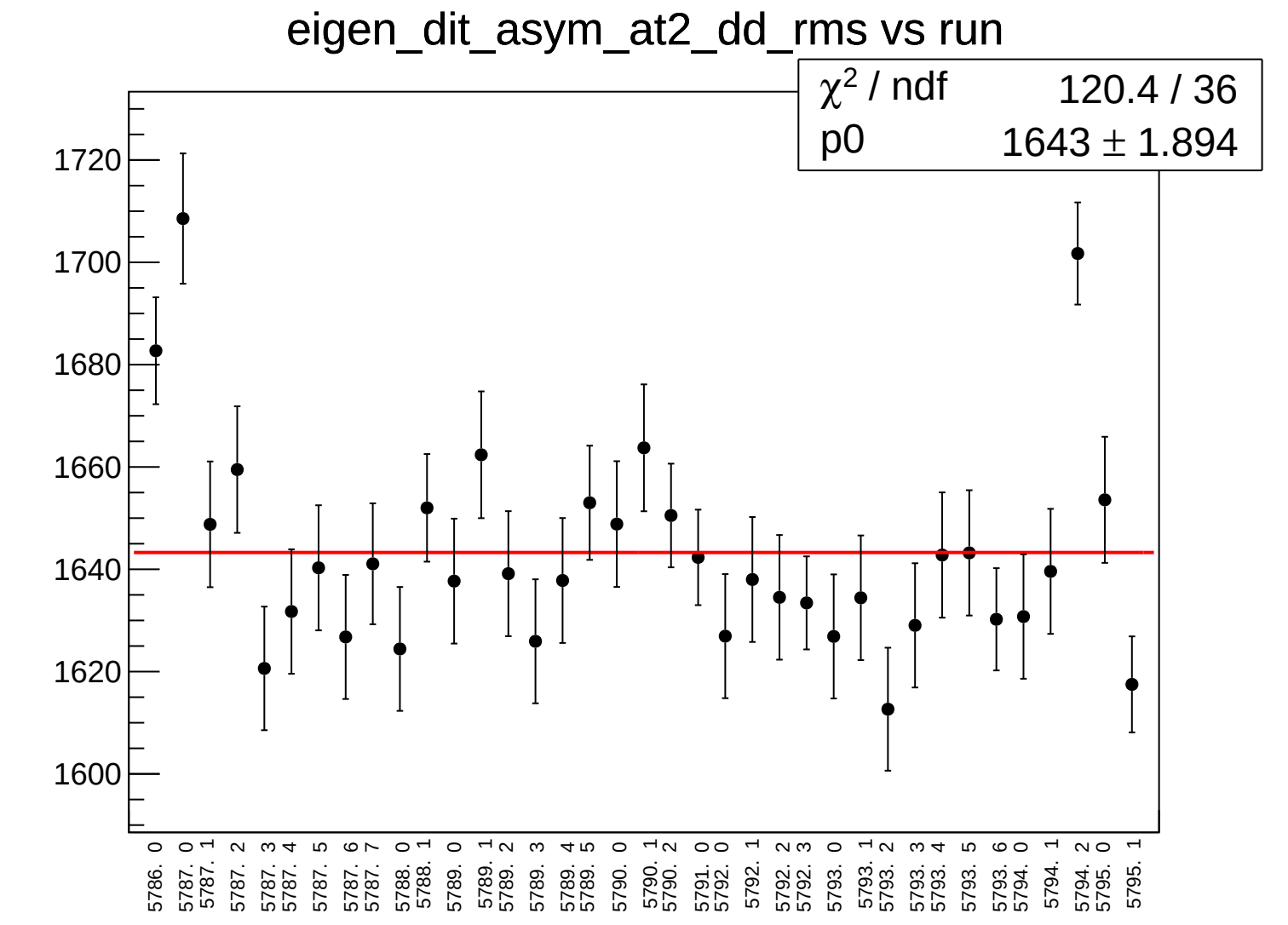

dit_asym_at2_dd_rms vs run
χ² / ndf 120.4 / 36
p0 1643 ± 1.894
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

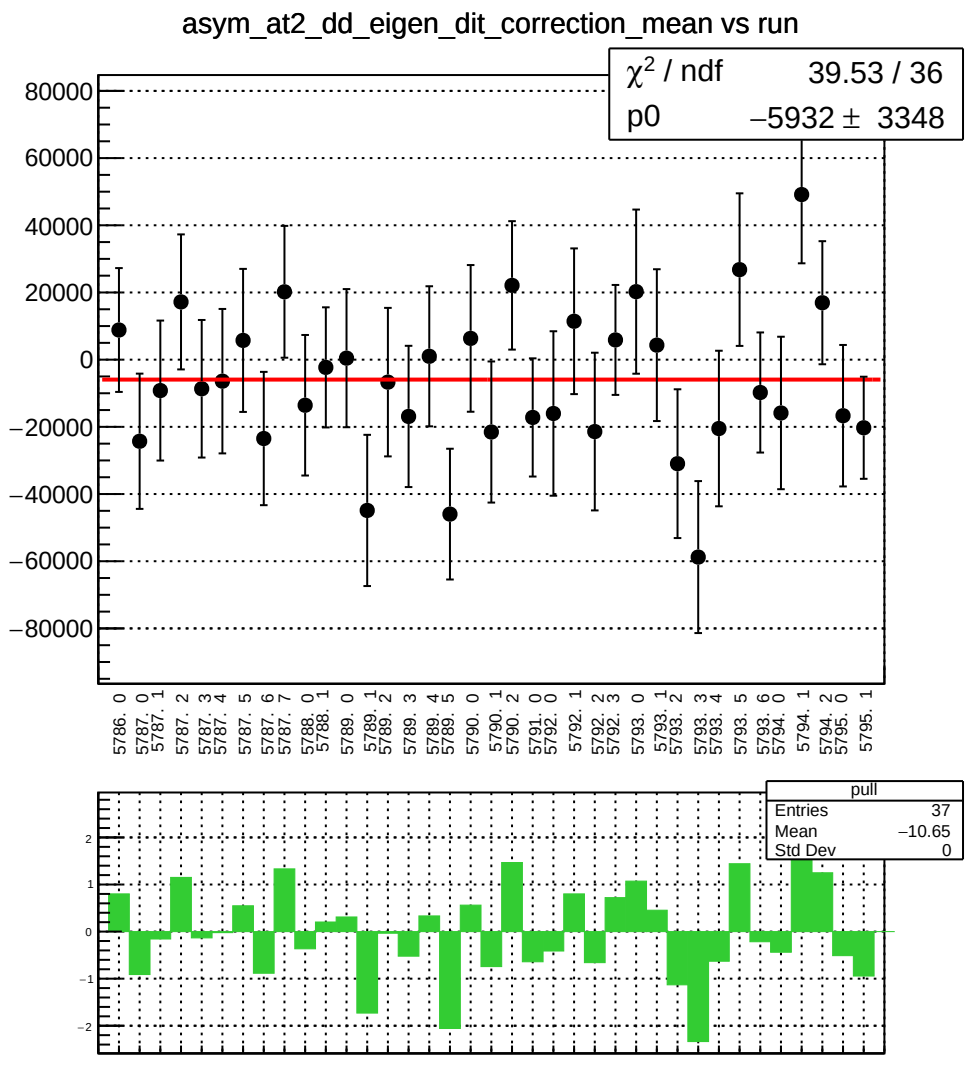

asym_at2_dd_dit_correction_mean vs run
χ² / ndf 39.53 / 36
p0 −5932 ± 3348
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.65
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.009204
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

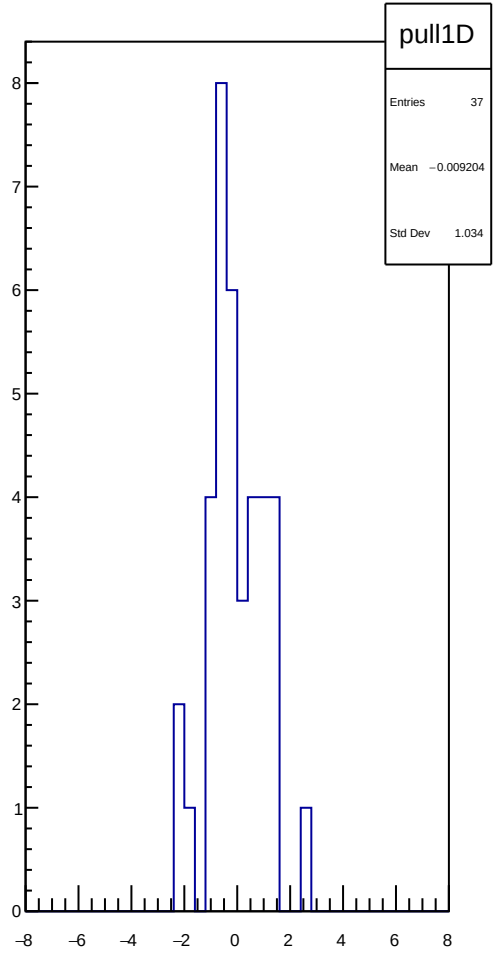

asym_at2_dd_dit_correction_rms vs run
χ² / ndf 2363 / 36
p0 2051 ± 2.367
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

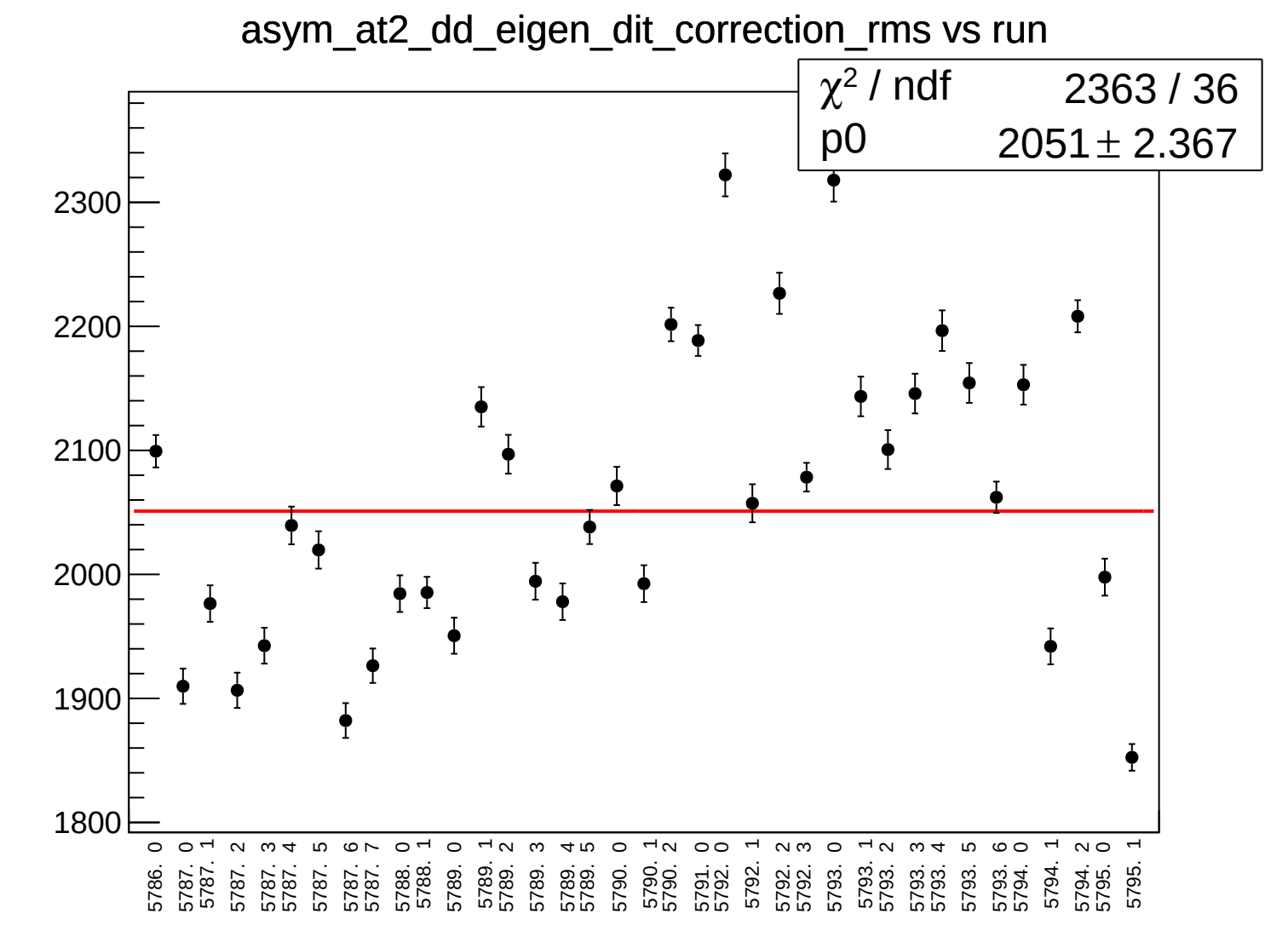

eigen_dit_asym_at2_dd_mean vs run
χ² / ndf 32.57 / 36
p0 4450 ± 2678
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −48.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

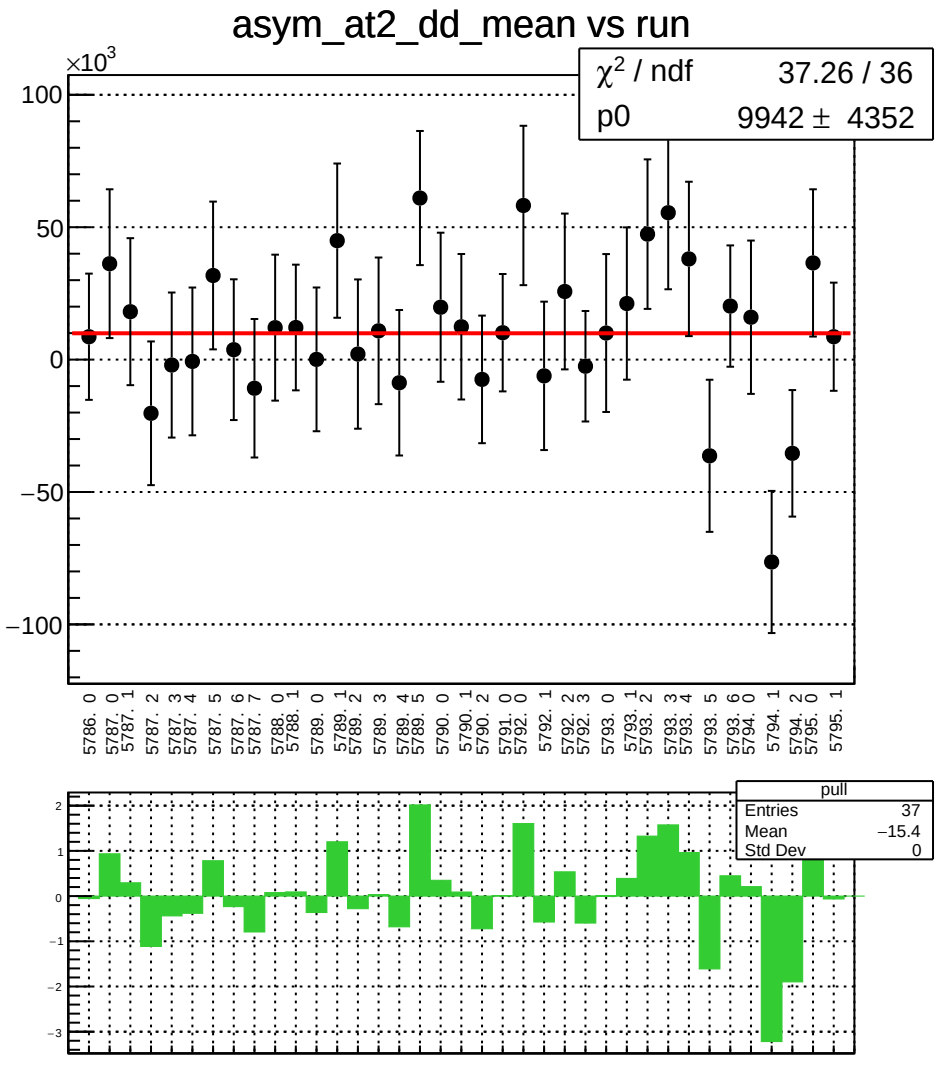

pull1D
Entries 37
Mean 0.01386
Std Dev 0.9382
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

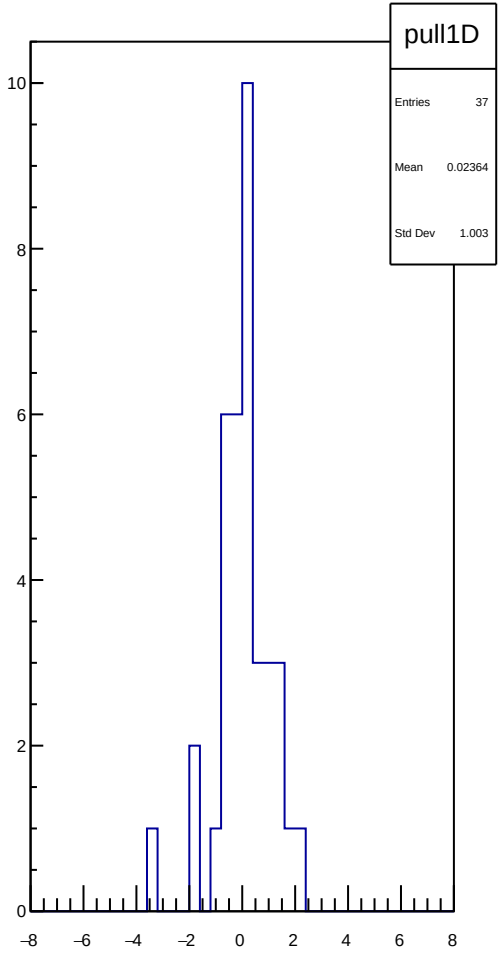

eigen_dit_asym_at2_dd_rms vs run
χ² / ndf 120.4 / 36
p0 1643 ± 1.894
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

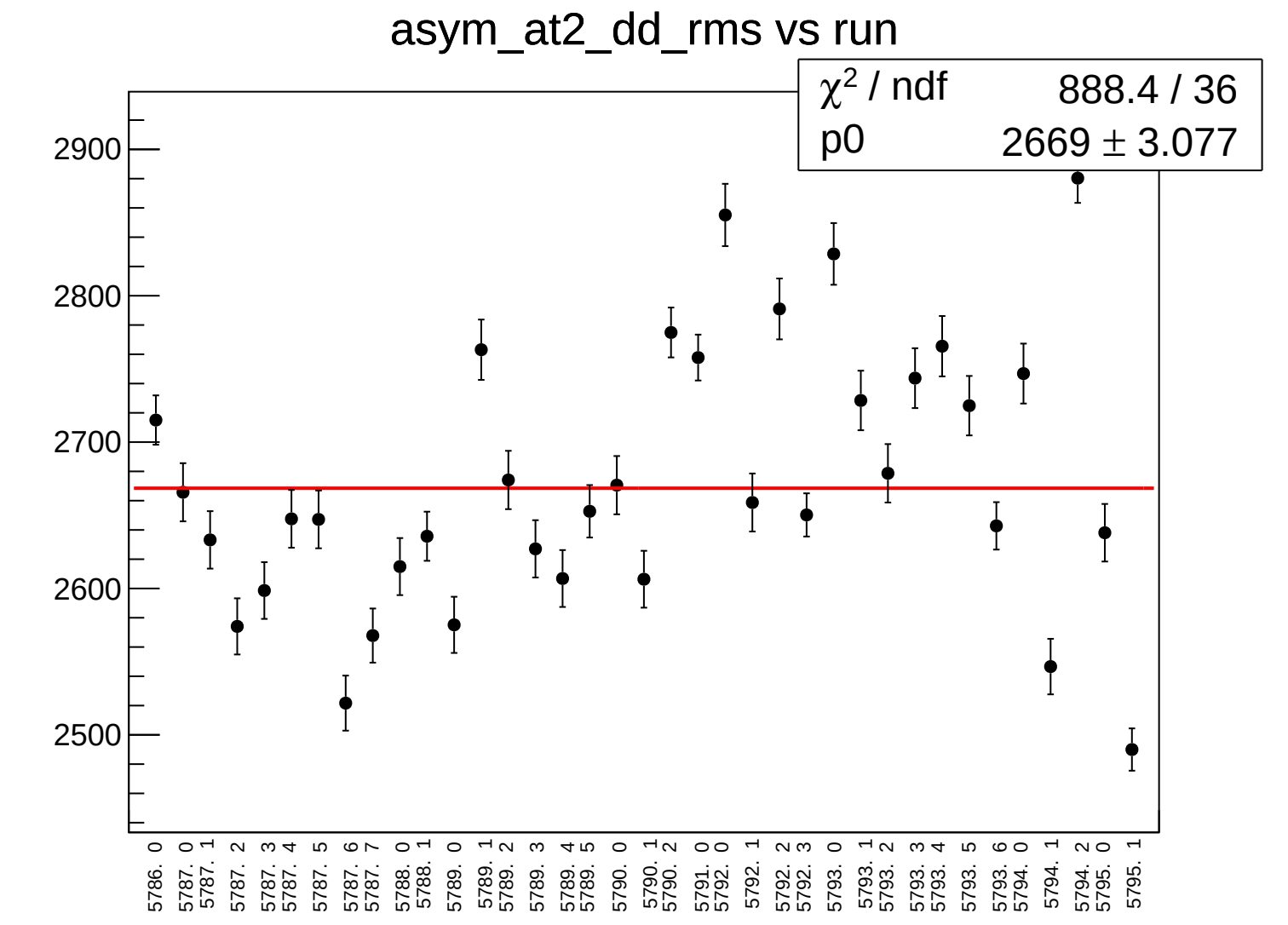

asym_at2_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.53 / 36
p0 −5932 ± 3348
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.65
Std Dev 0
2
1
0
−1
−2

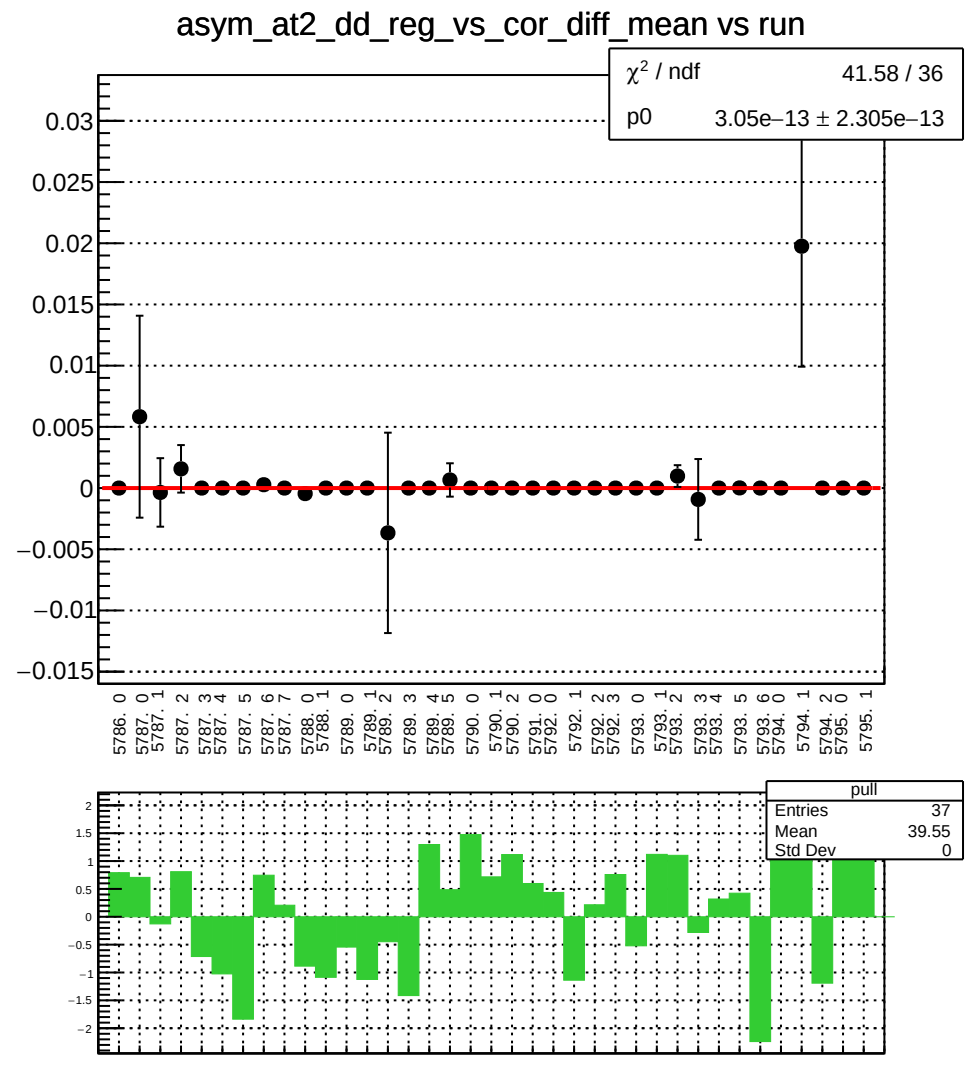

pull1D
Entries 37
Mean −0.009204
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

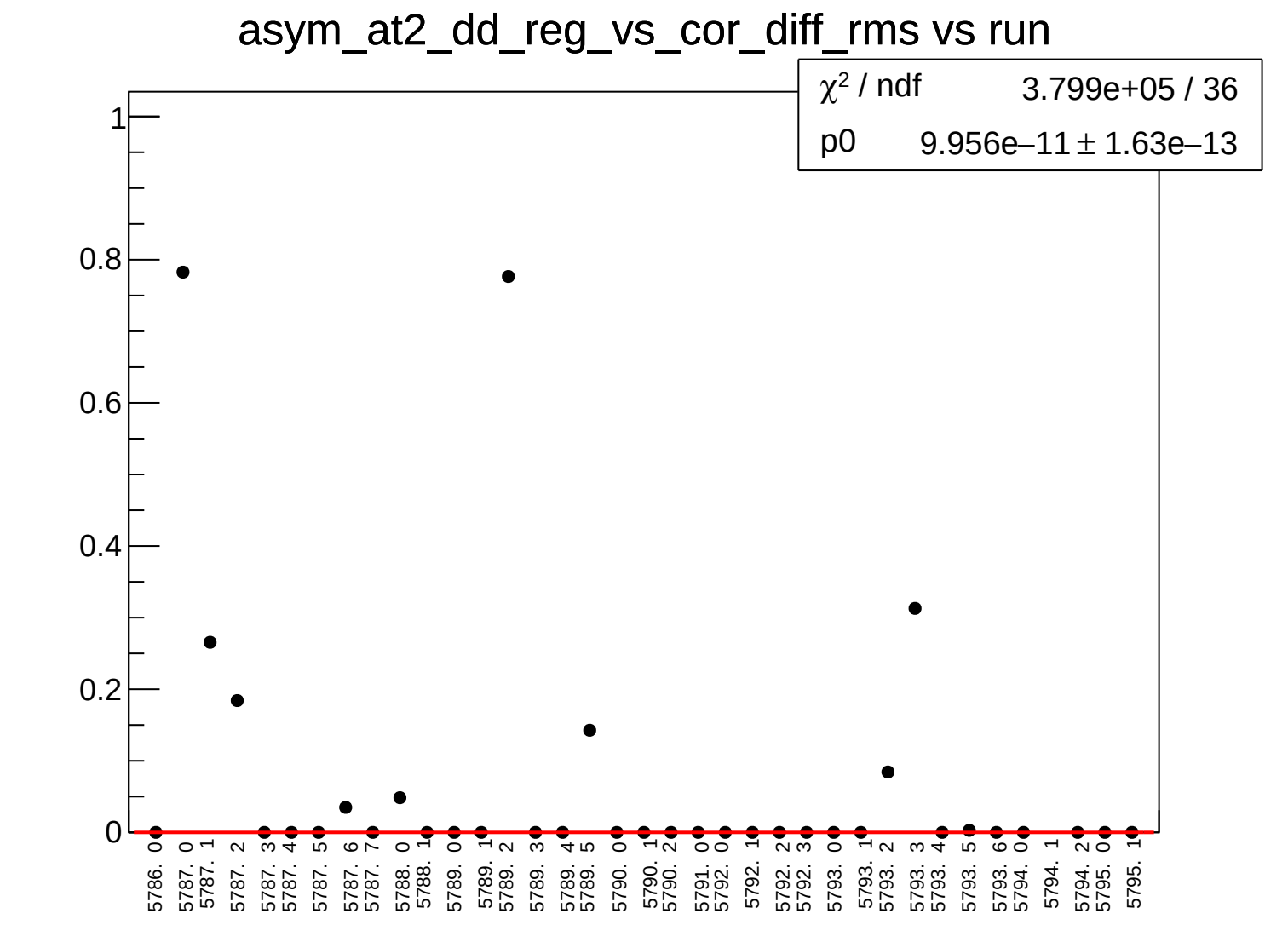

asym_at2_dd_eigen_dit_correction_rms vs run
χ² / ndf 2363 / 36
p0 2051 ± 2.367
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

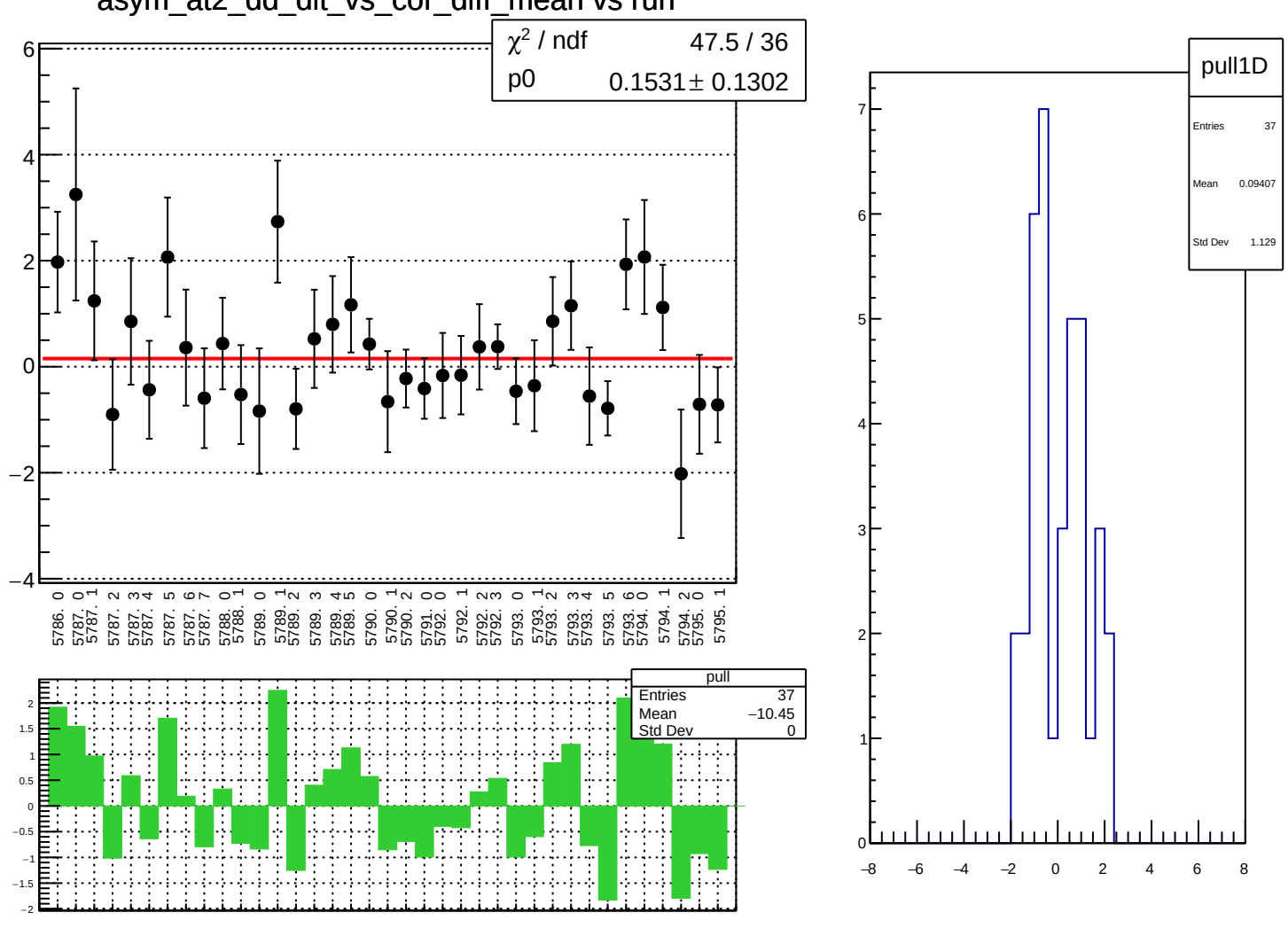

asym_at2_dd_mean vs run
×10^3
χ^2 / ndf 37.26 / 36
p0 9942 ± 4352
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.4
Std Dev 0
2
1
0
−1
−2
−3

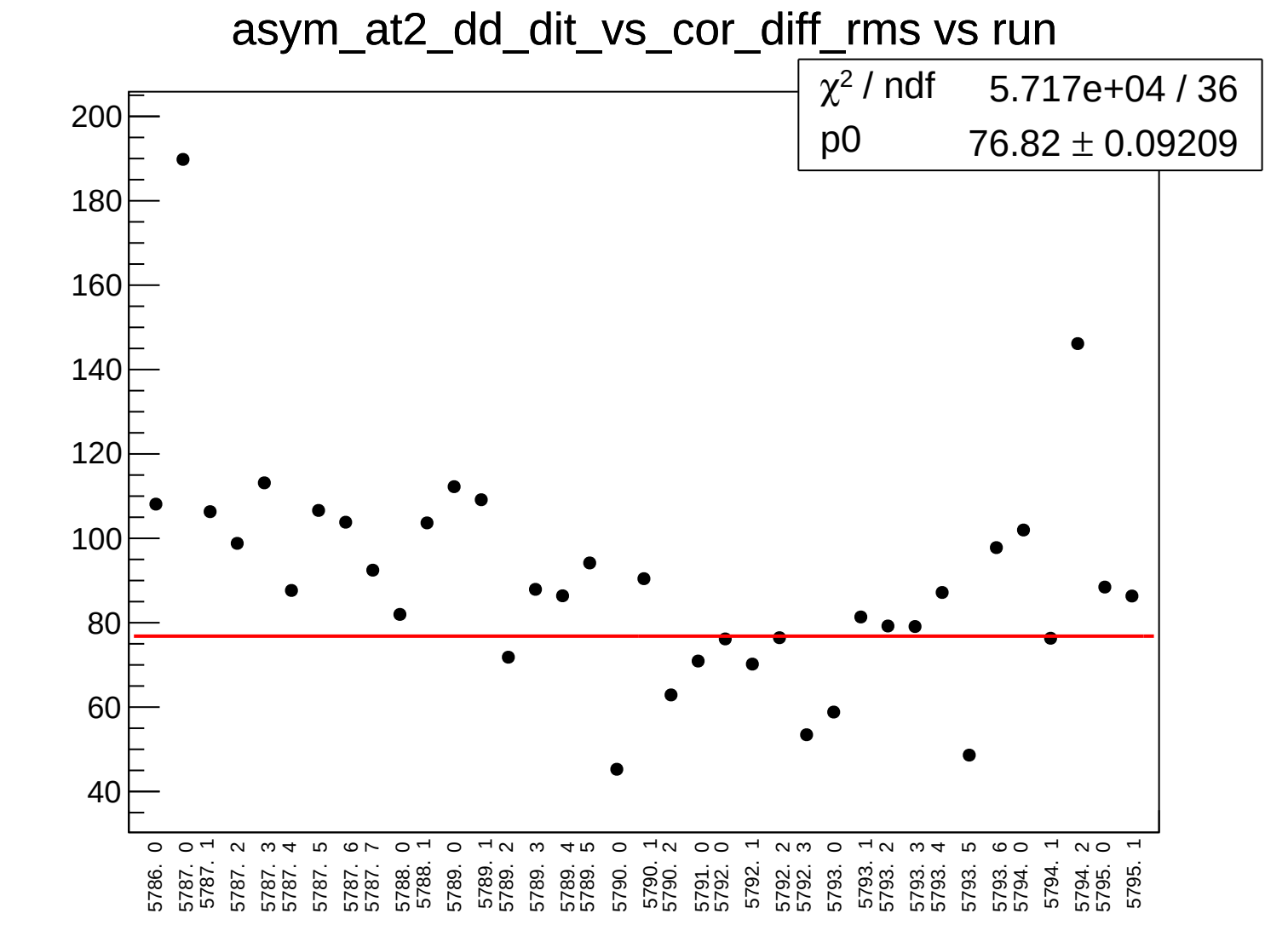

pull1D
Entries 37
Mean 0.02364
Std Dev 1.003
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_at2_dd_rms vs run
χ² / ndf 888.4 / 36
p0 2669 ± 3.077
2900
2800
2700
2600
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

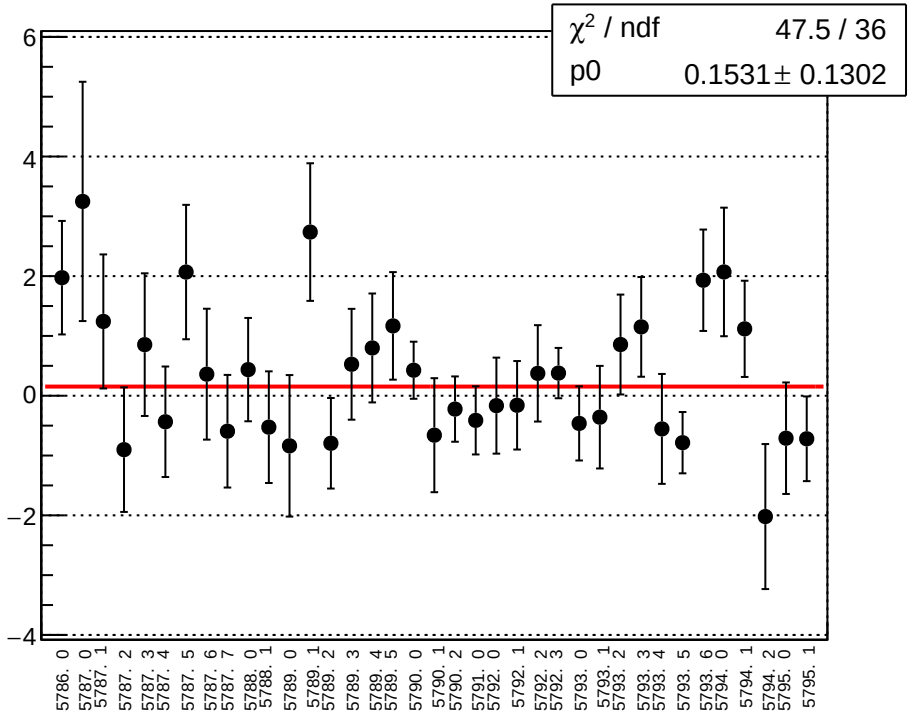

asym_at2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 41.58 / 36
p0 3.05e−13 ± 2.305e−13
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1388
Std Dev 1.051
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

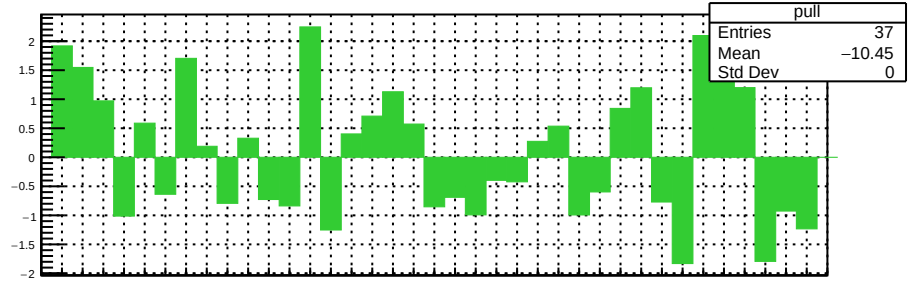

asym_at2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.799e+05 / 36
p0 9.956e−11 ± 1.63e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

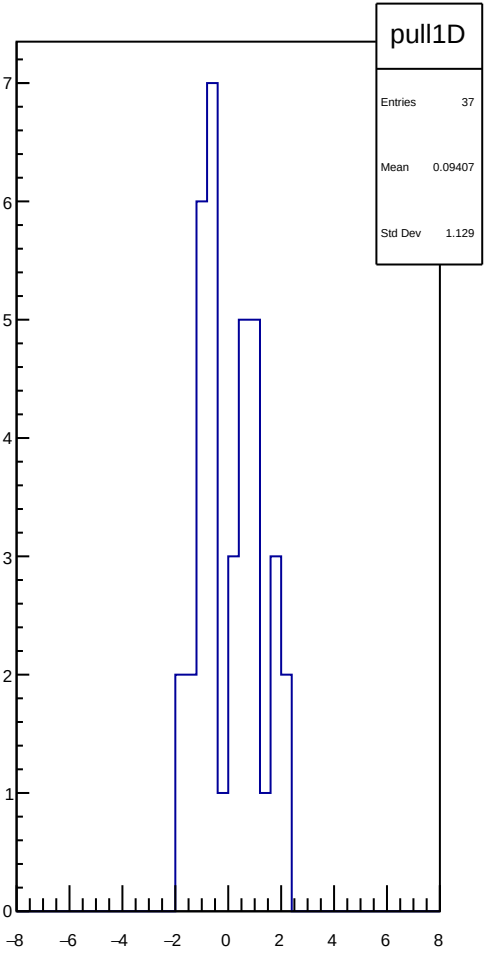

asym_at2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.5 / 36
p0 0.1531 ± 0.1302
pull
Entries 37
Mean −10.45
Std Dev 0
pull1D
Entries 37
Mean 0.09407
Std Dev 1.129

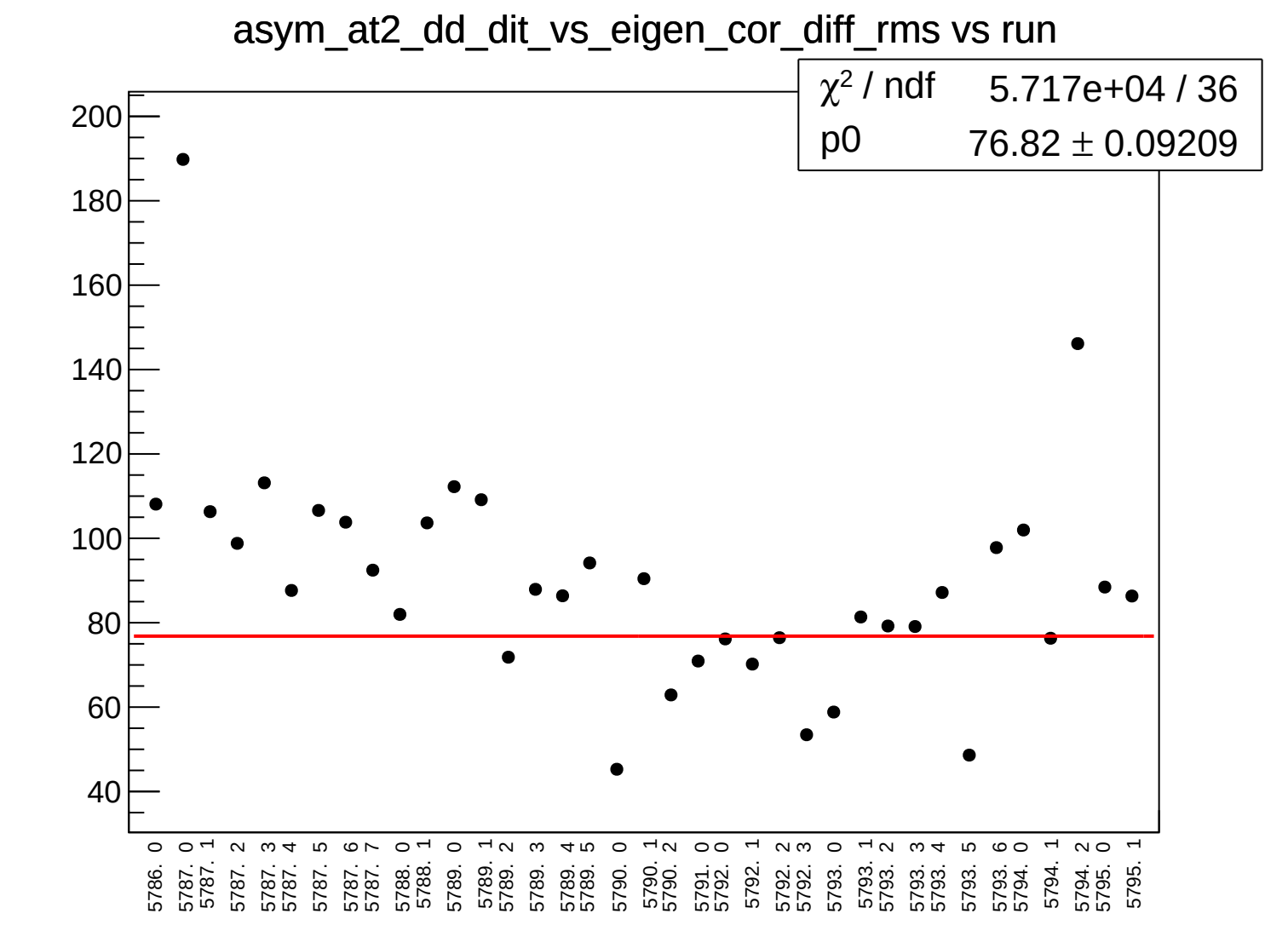

asym_at2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 36
p0 76.82 ± 0.09209
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

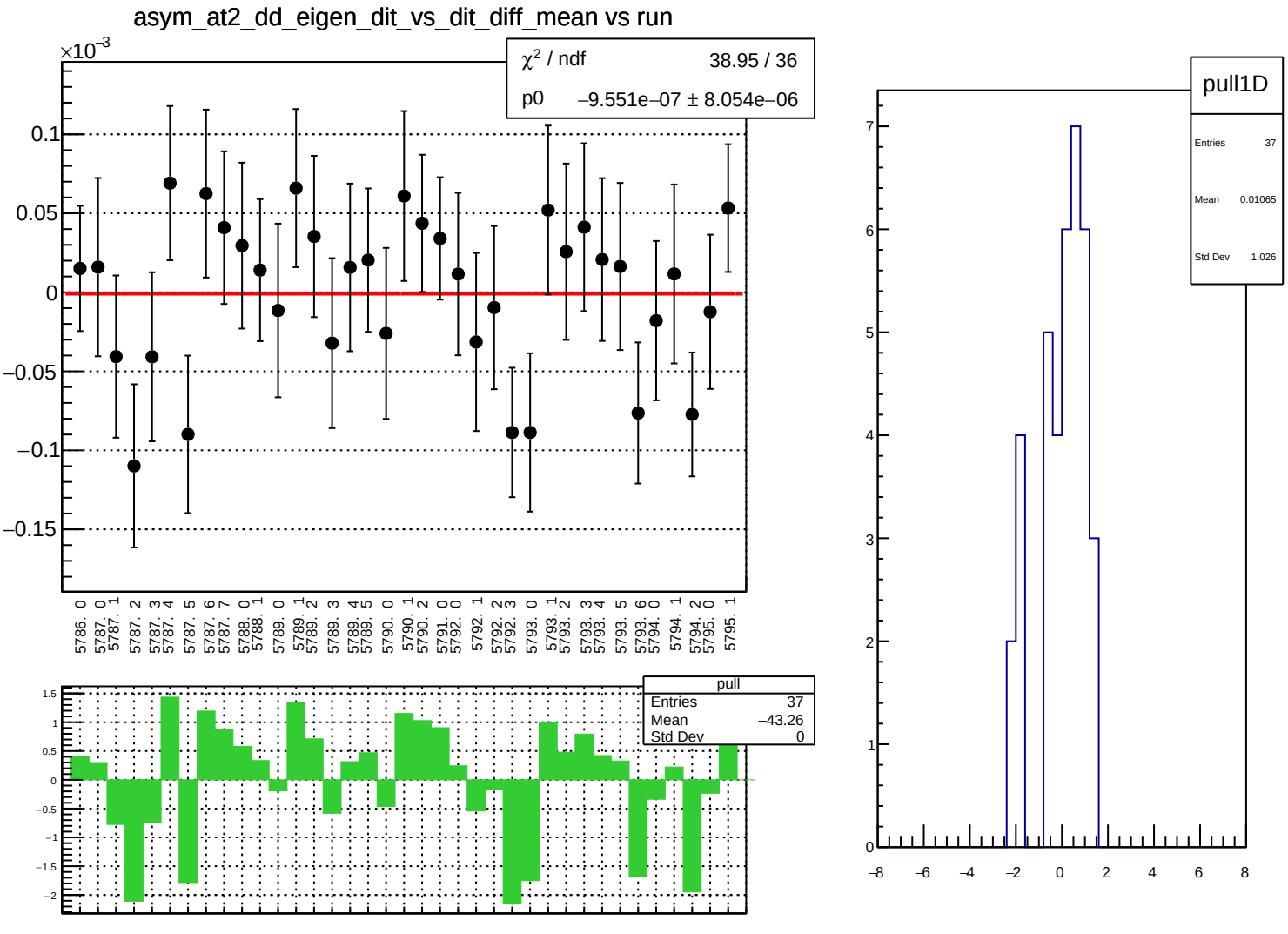
asym_at2_dd_dit_vs_eigen_cor_diff_mean vs run

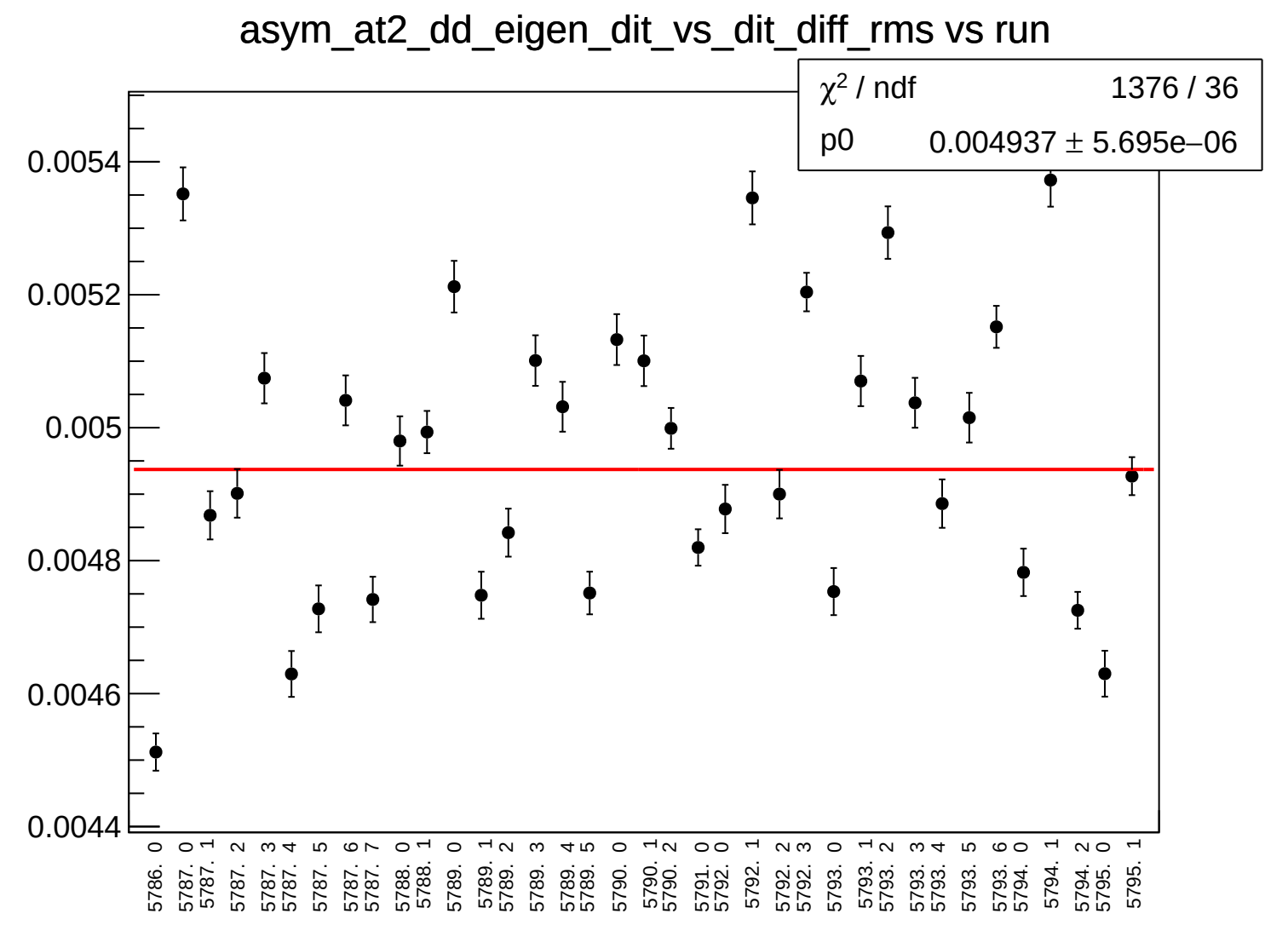


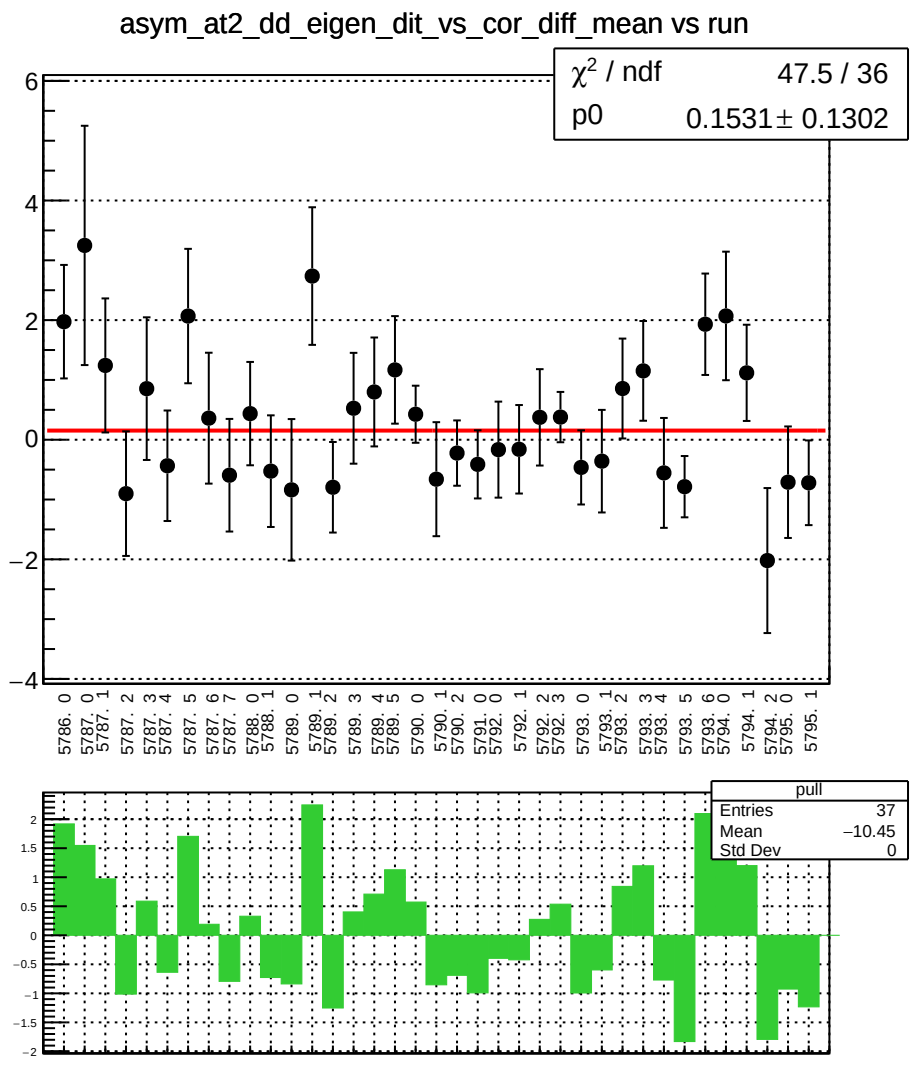


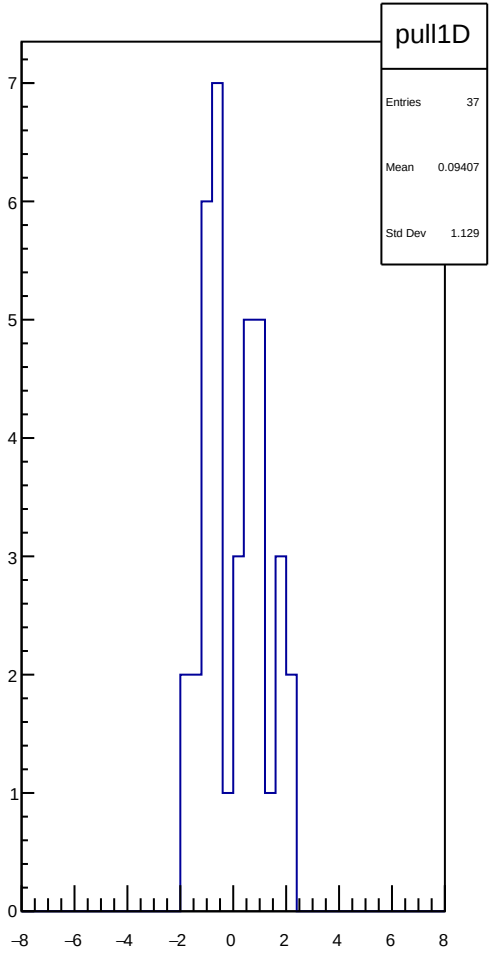


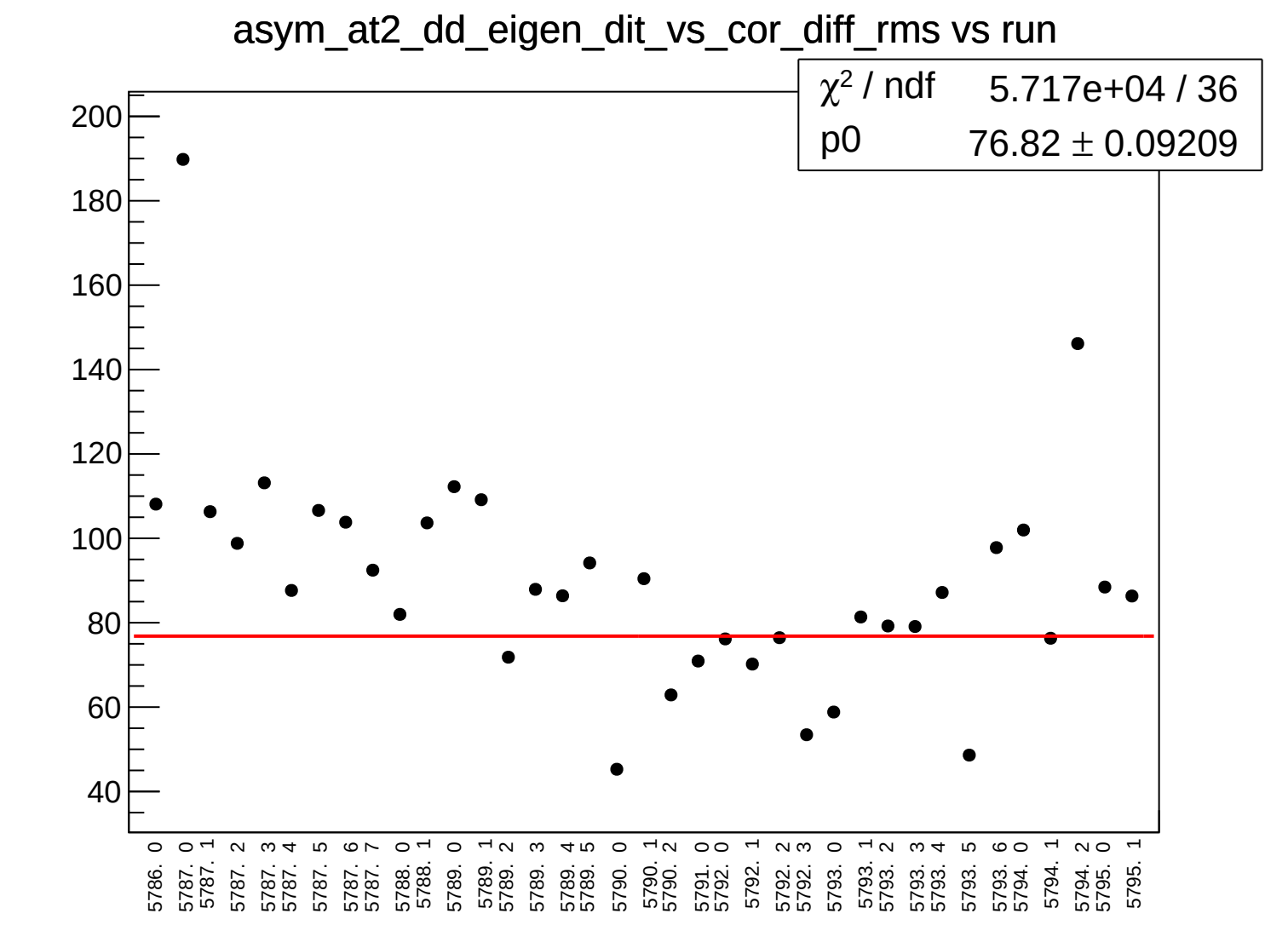

asym_at2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 36
p0 76.82 ± 0.09209
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

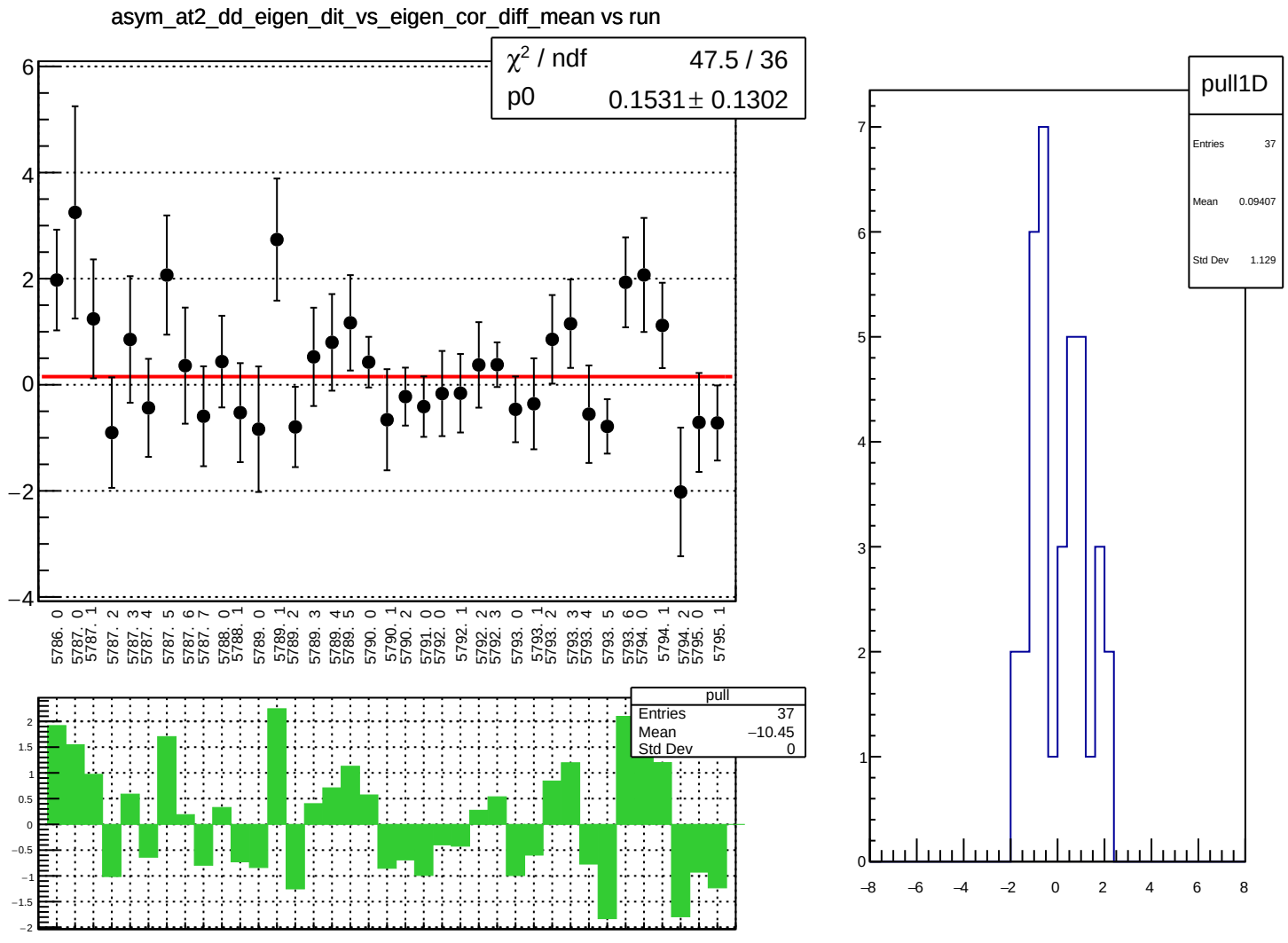

asym_at2_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 38.95 / 36
p0 −9.551e−07 ± 8.054e−06
0.1
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −43.26
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01065
Std Dev 1.026
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

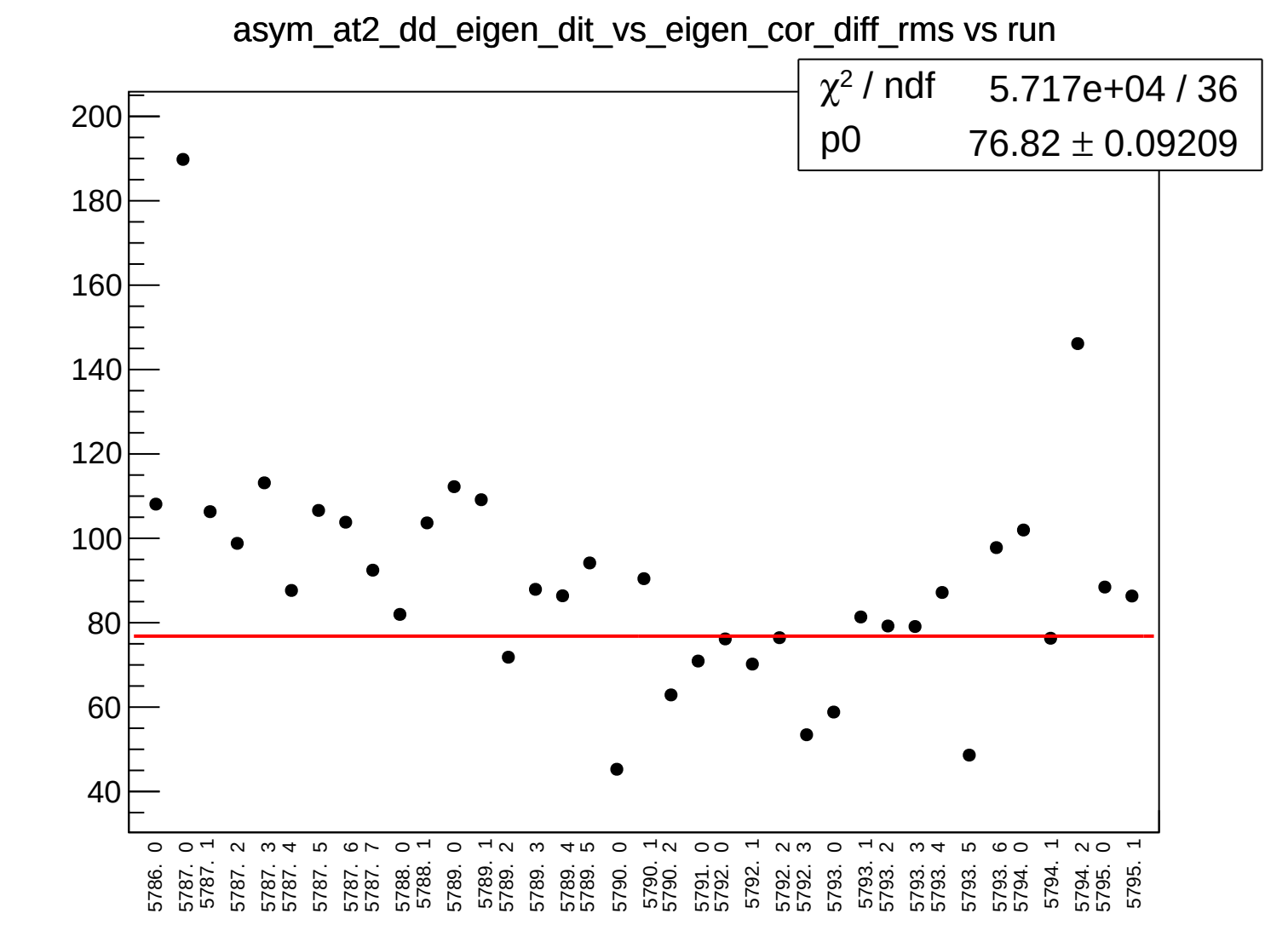

asym_at2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1376 / 36
p0 0.004937 ± 5.695e−06
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

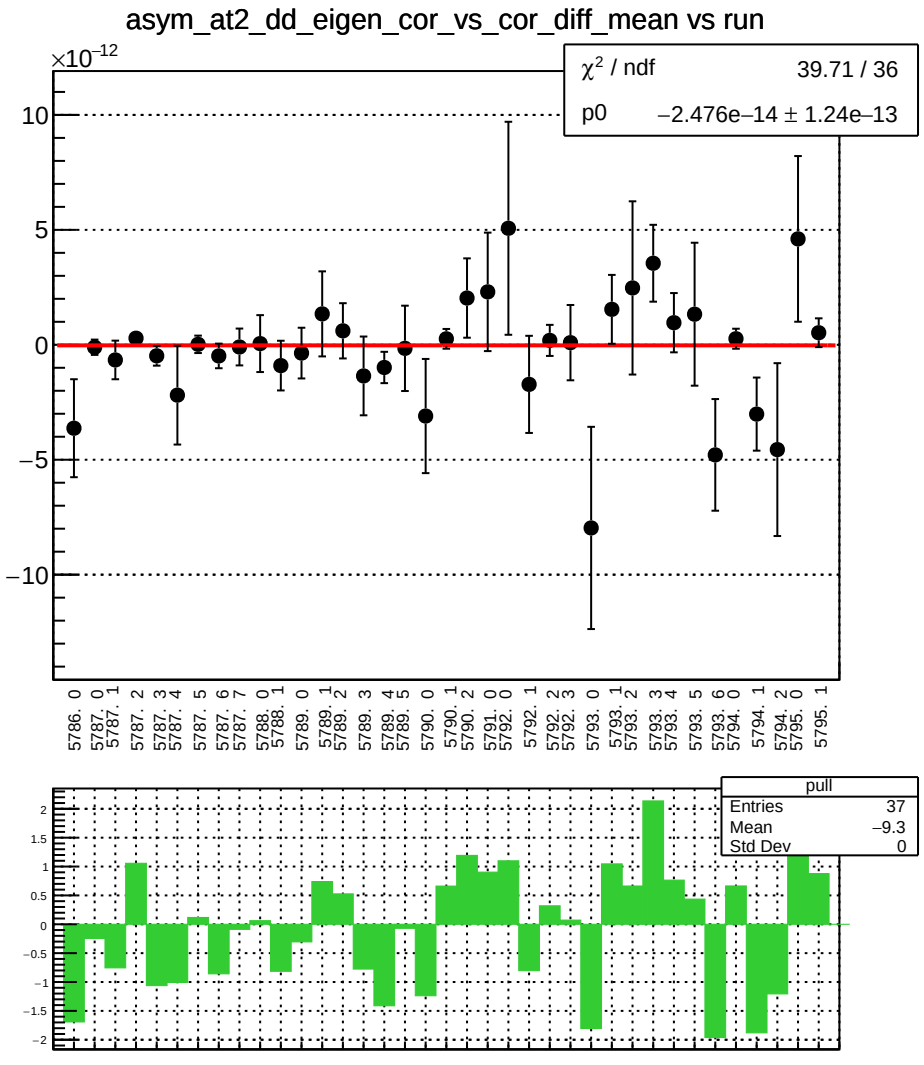

asym_at2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.5 / 36
p0 0.1531 ± 0.1302
pull
Entries 37
Mean −10.45
Std Dev 0

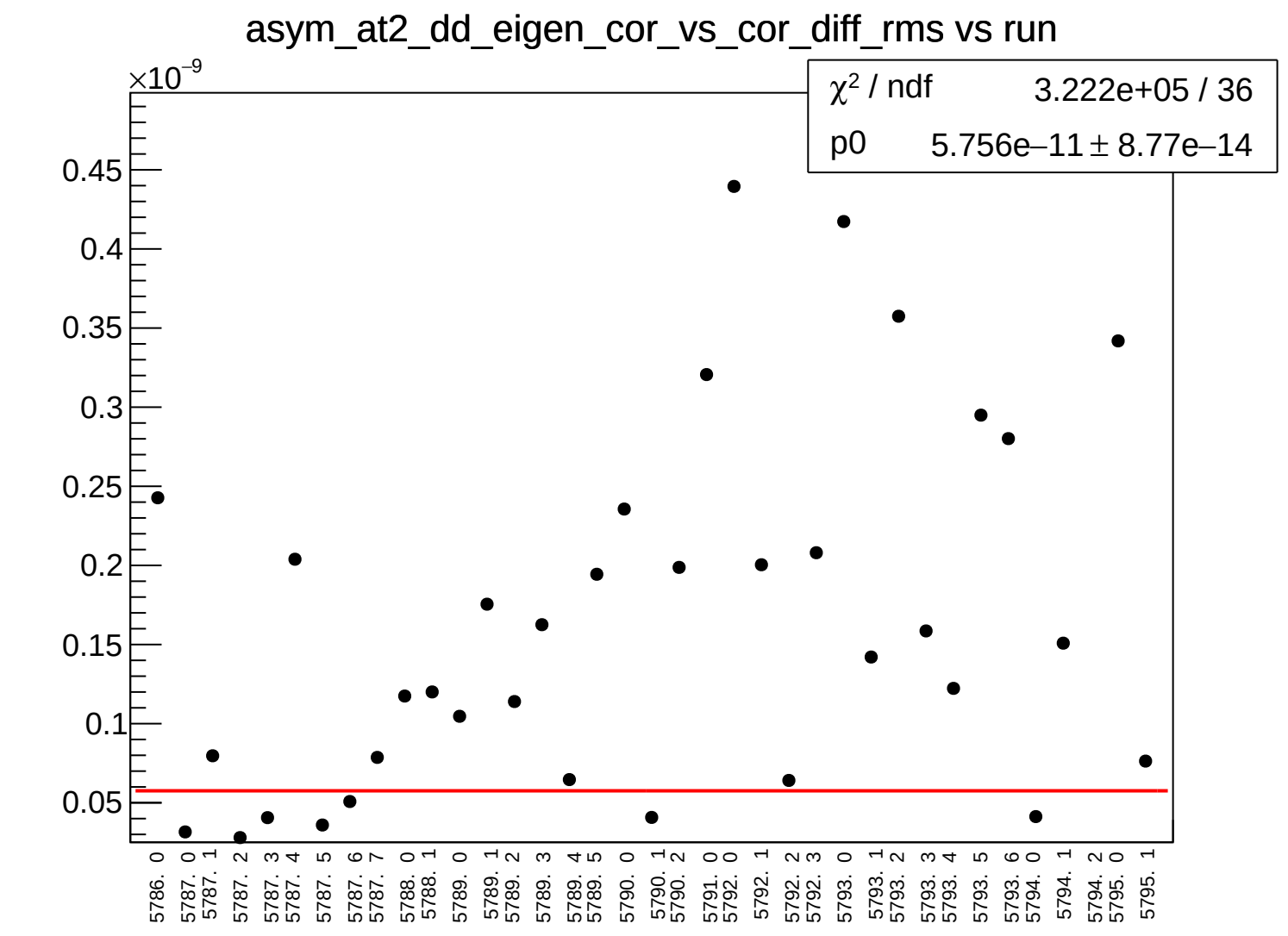

pull1D
Entries 37
Mean 0.09407
Std Dev 1.129

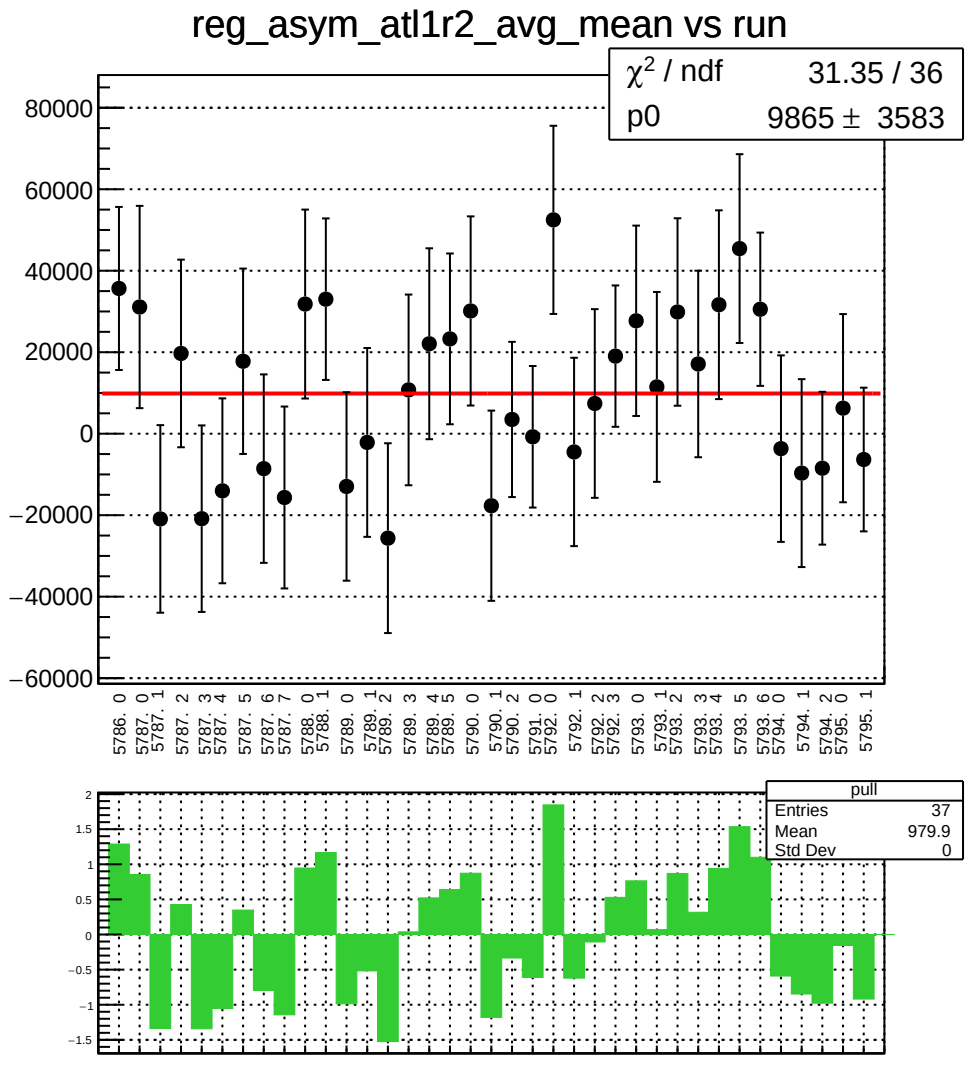

asym_at2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 36
p0 76.82 ± 0.09209
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

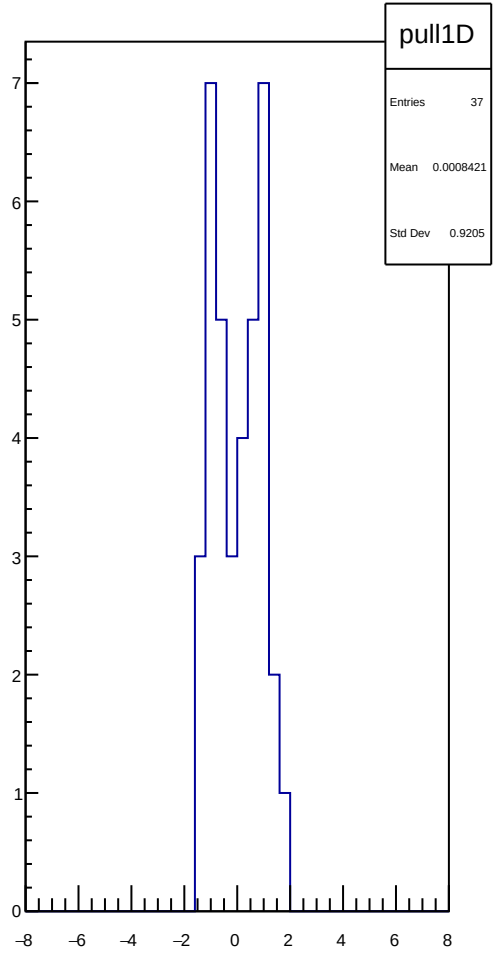

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.5 / 36
p0 0.1531 ± 0.1302
pull
Entries 37
Mean −10.45
Std Dev 0
pull1D
Entries 37
Mean 0.09407
Std Dev 1.129

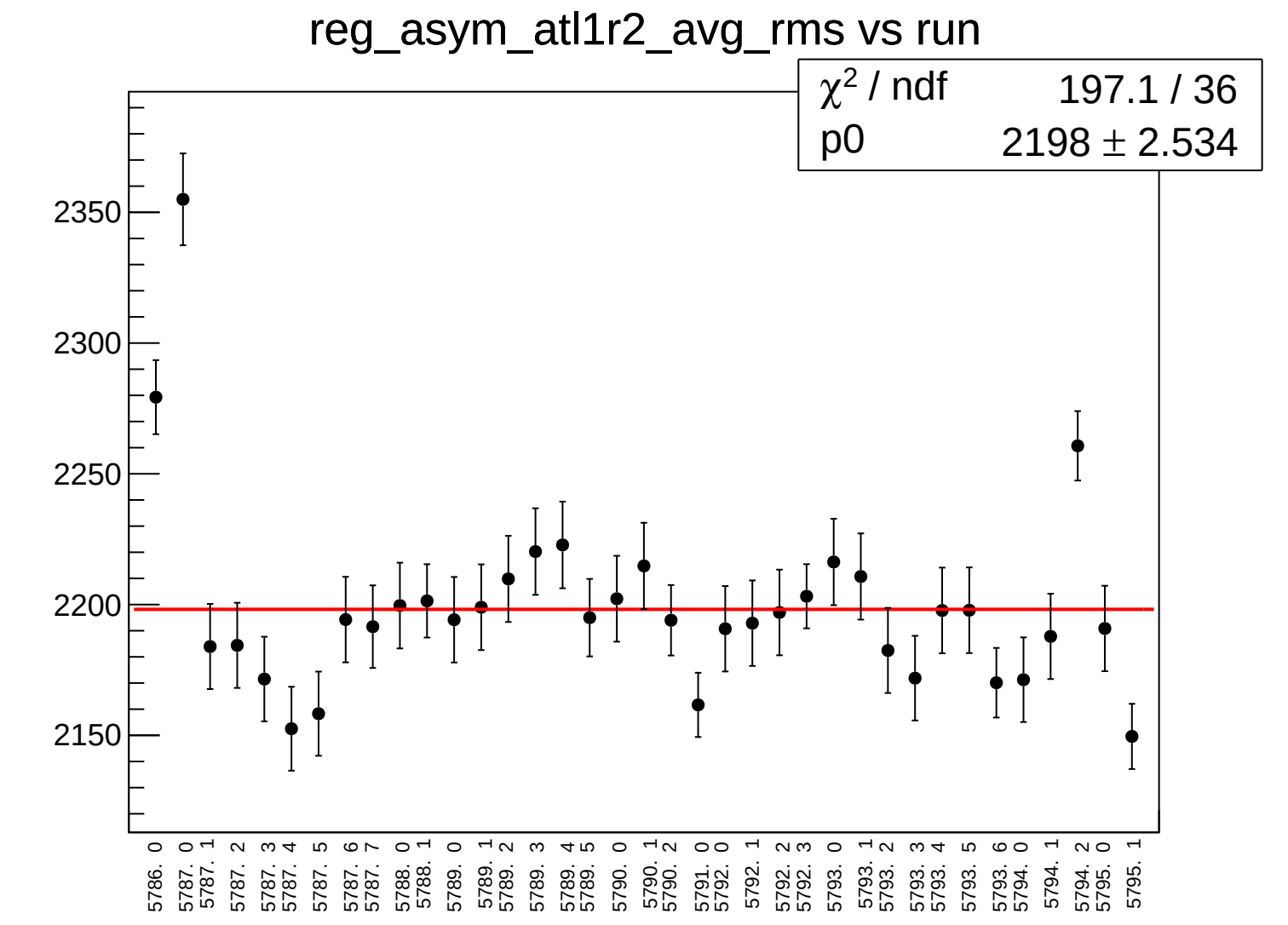

asym_at2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.717e+04 / 36
p0 76.82 ± 0.09209
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

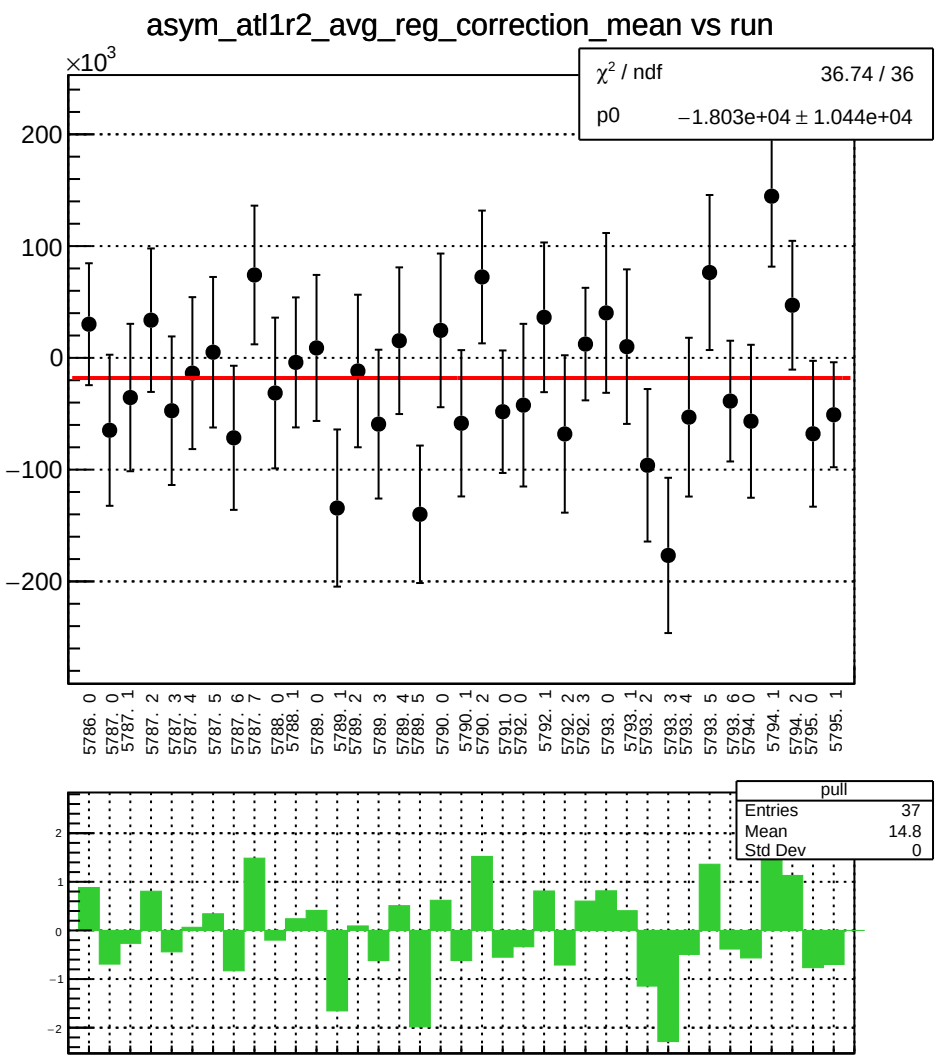

asym_at2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 39.71 / 36
p0 −2.476e−14 ± 1.24e−13
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.09065
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

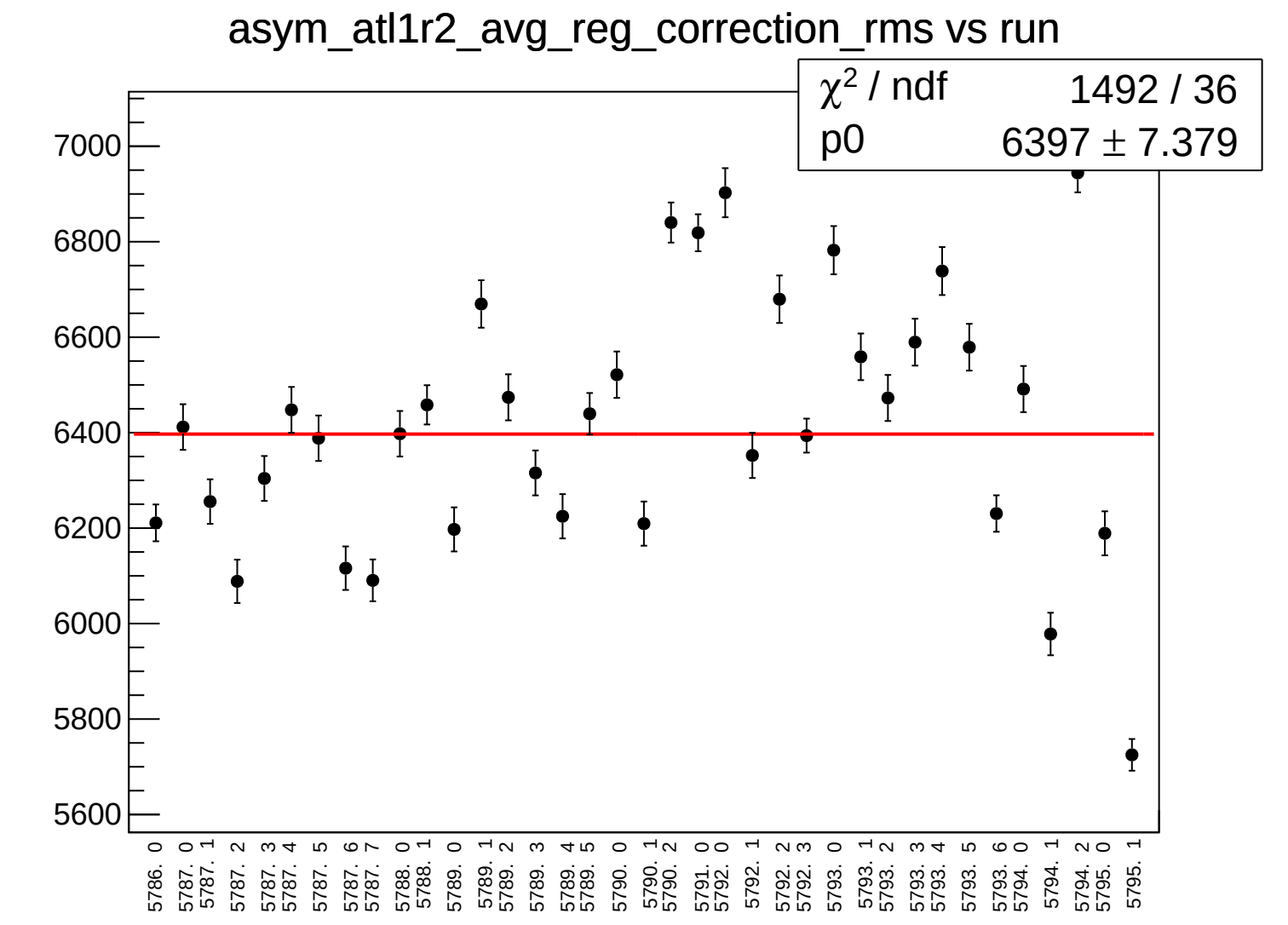

asym_at2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.222e+05 / 36
p0 5.756e−11 ± 8.77e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

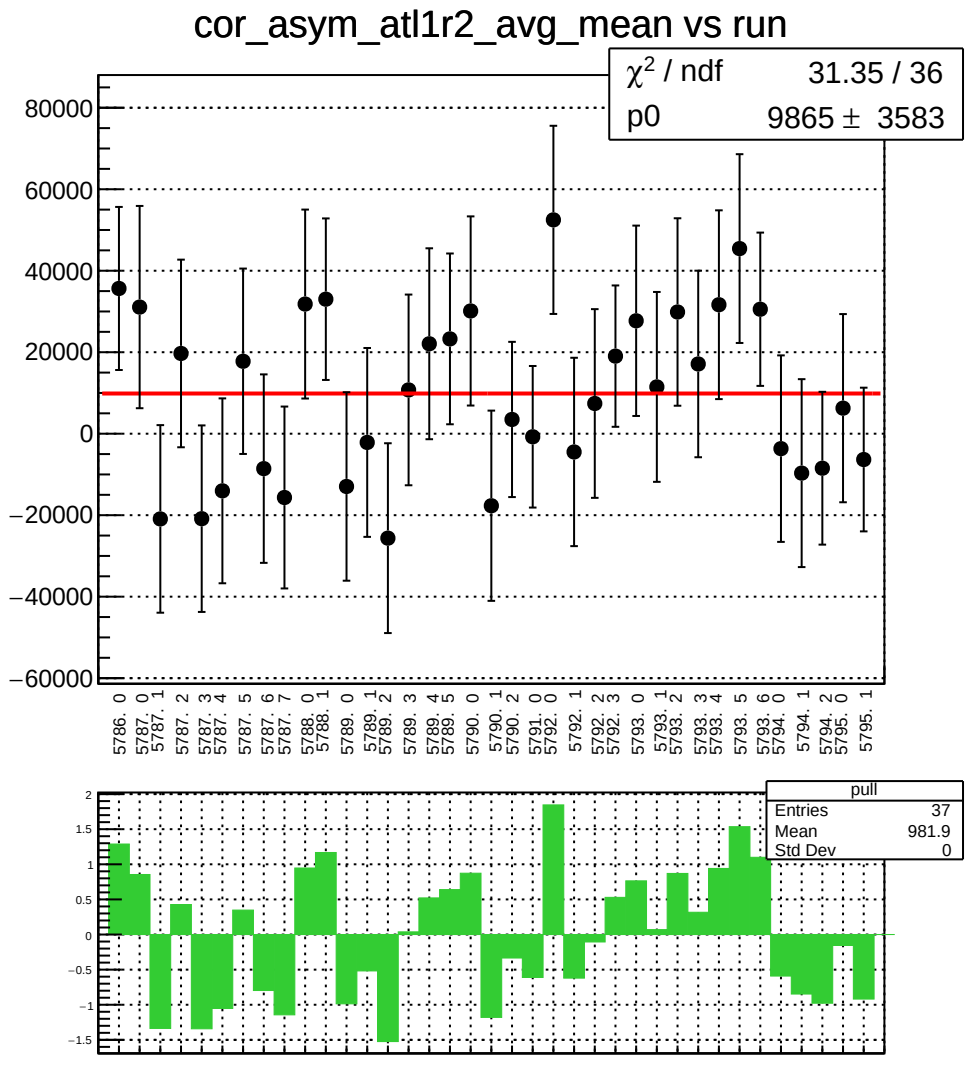

reg_asym_atl1r2_avg_mean vs run
χ² / ndf 31.35 / 36
p0 9865 ± 3583
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 979.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

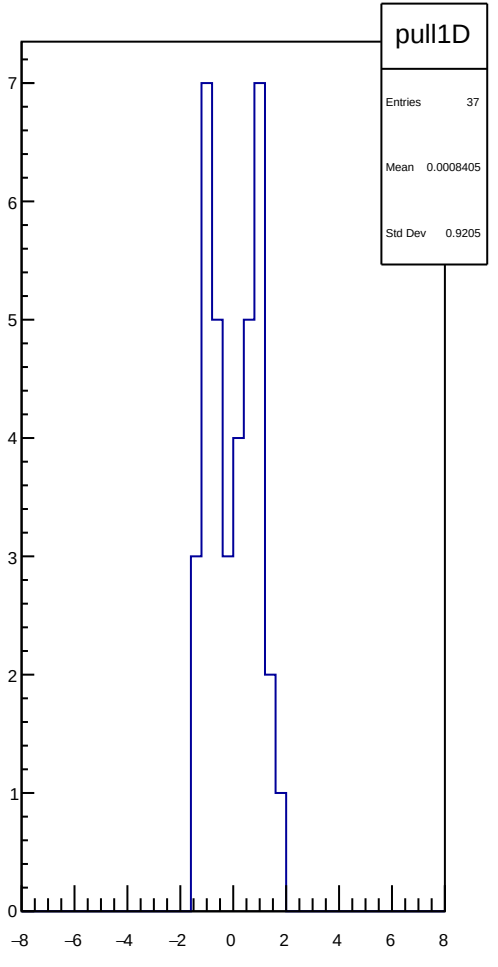

pull1D
Entries 37
Mean 0.0008421
Std Dev 0.9205
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

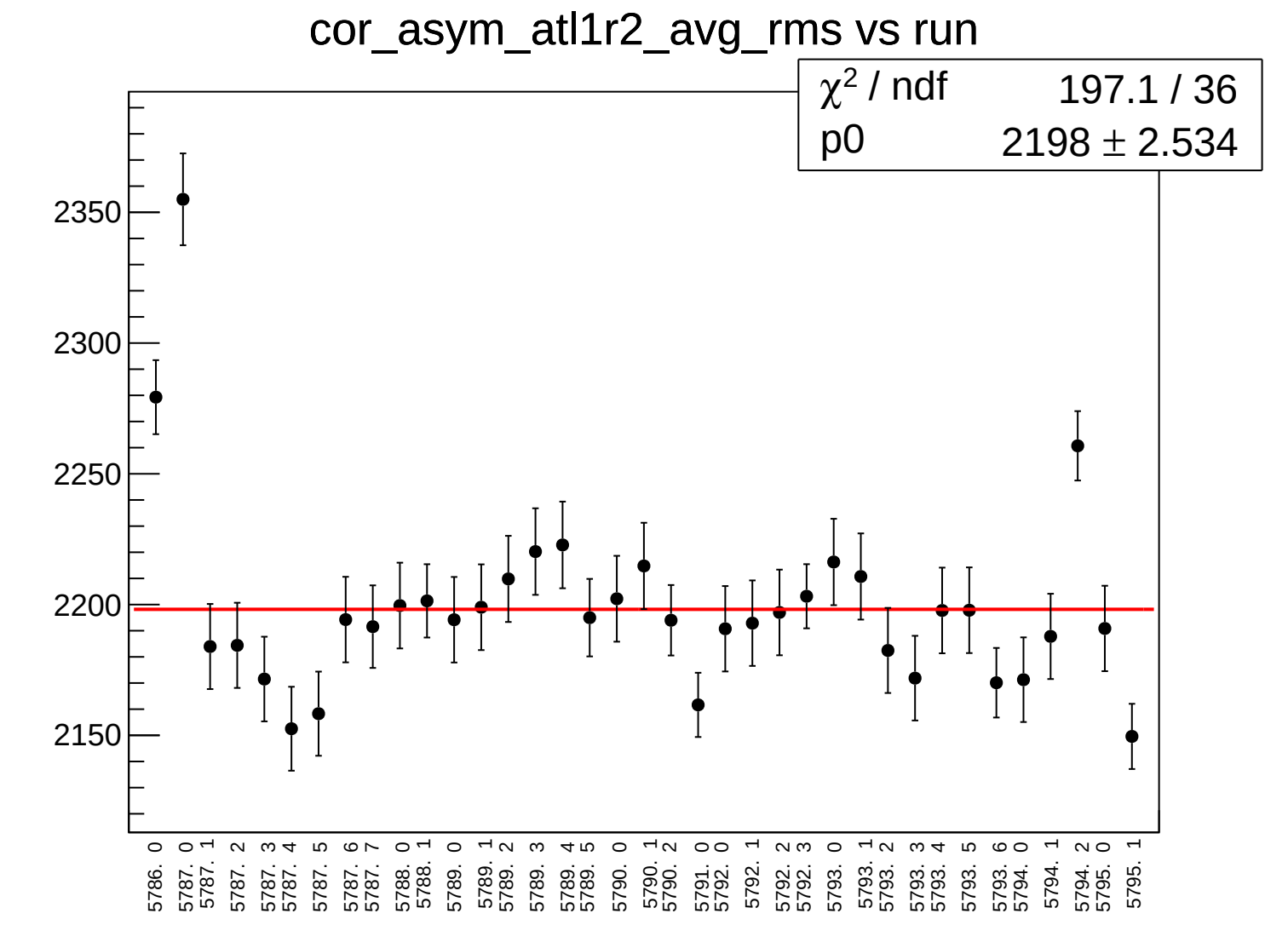

reg_asym_atl1r2_avg_rms vs run
χ² / ndf 197.1 / 36
p0 2198 ± 2.534
2350
2300
2250
2200
2150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

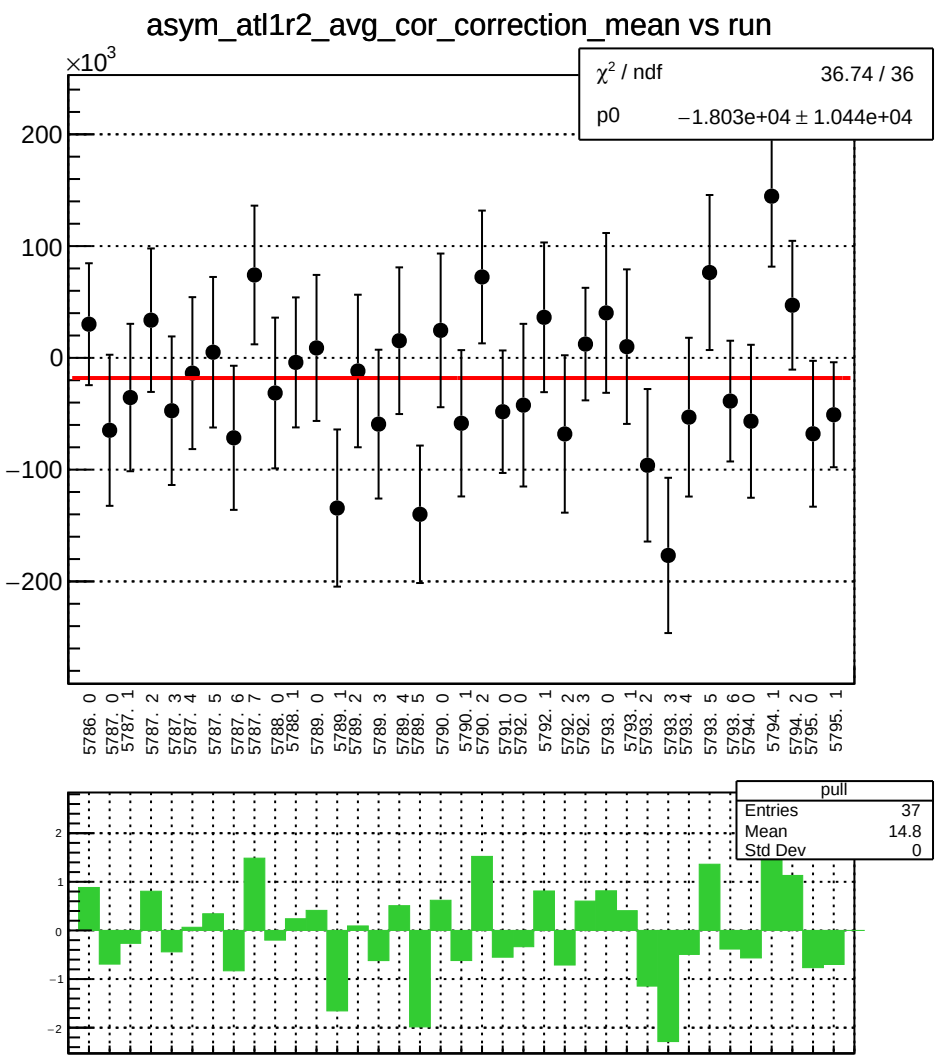

asym_atl1r2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 36.74 / 36
p0 −1.803e+04 ± 1.044e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0147
Std Dev 0.9963
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

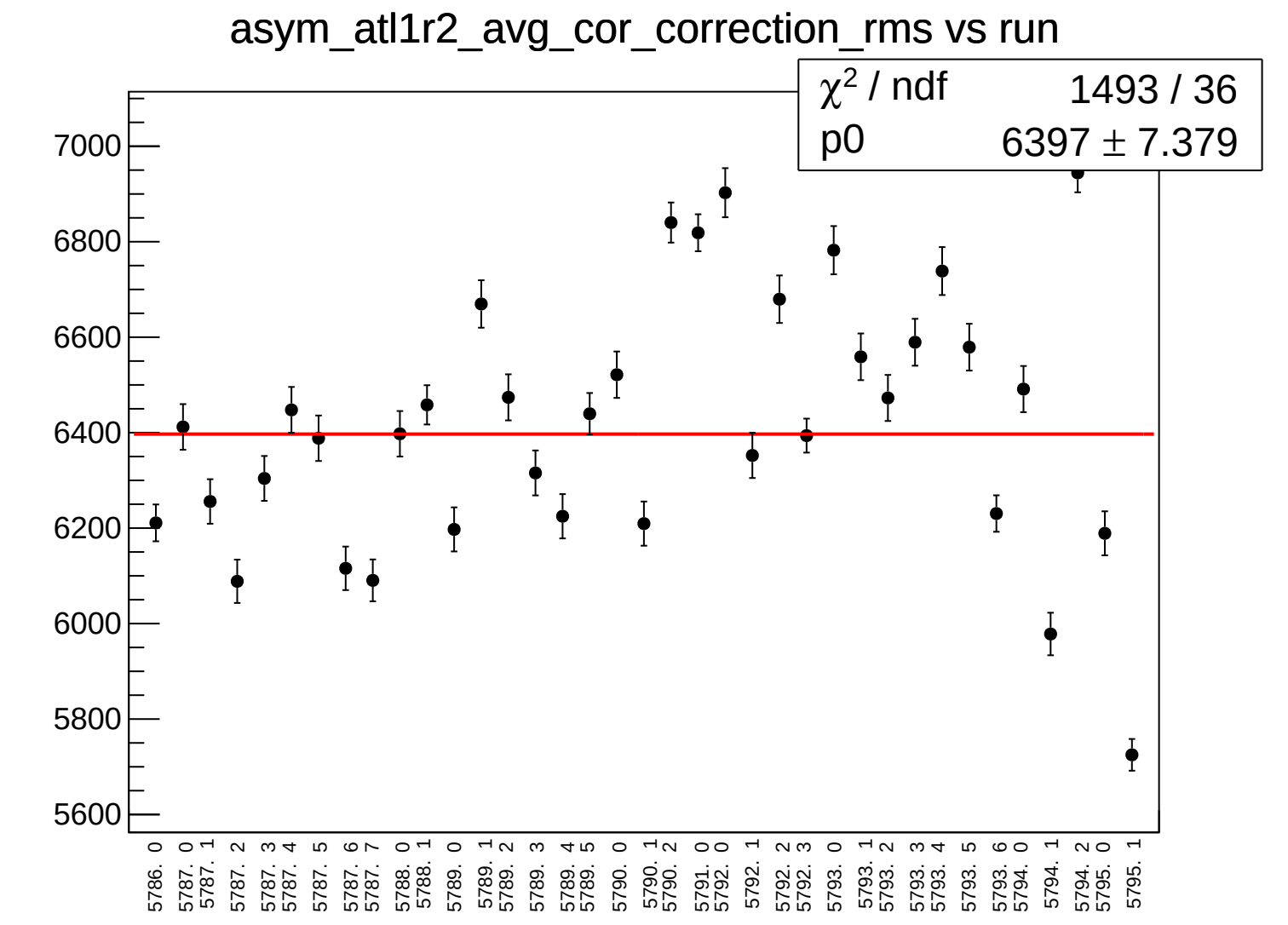

asym_atl1r2_avg_reg_correction_rms vs run
χ² / ndf 1492 / 36
p0 6397 ± 7.379
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atl1r2_avg_mean vs run
χ² / ndf 31.35 / 36
p0 9865 ± 3583
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 981.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.0008405
Std Dev 0.9205
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 197.1 / 36
p0 2198 ± 2.534
2350
2300
2250
2200
2150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1r2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 36.74 / 36
p0 −1.803e+04 ± 1.044e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01469
Std Dev 0.9963
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 1493 / 36
p0 6397 ± 7.379
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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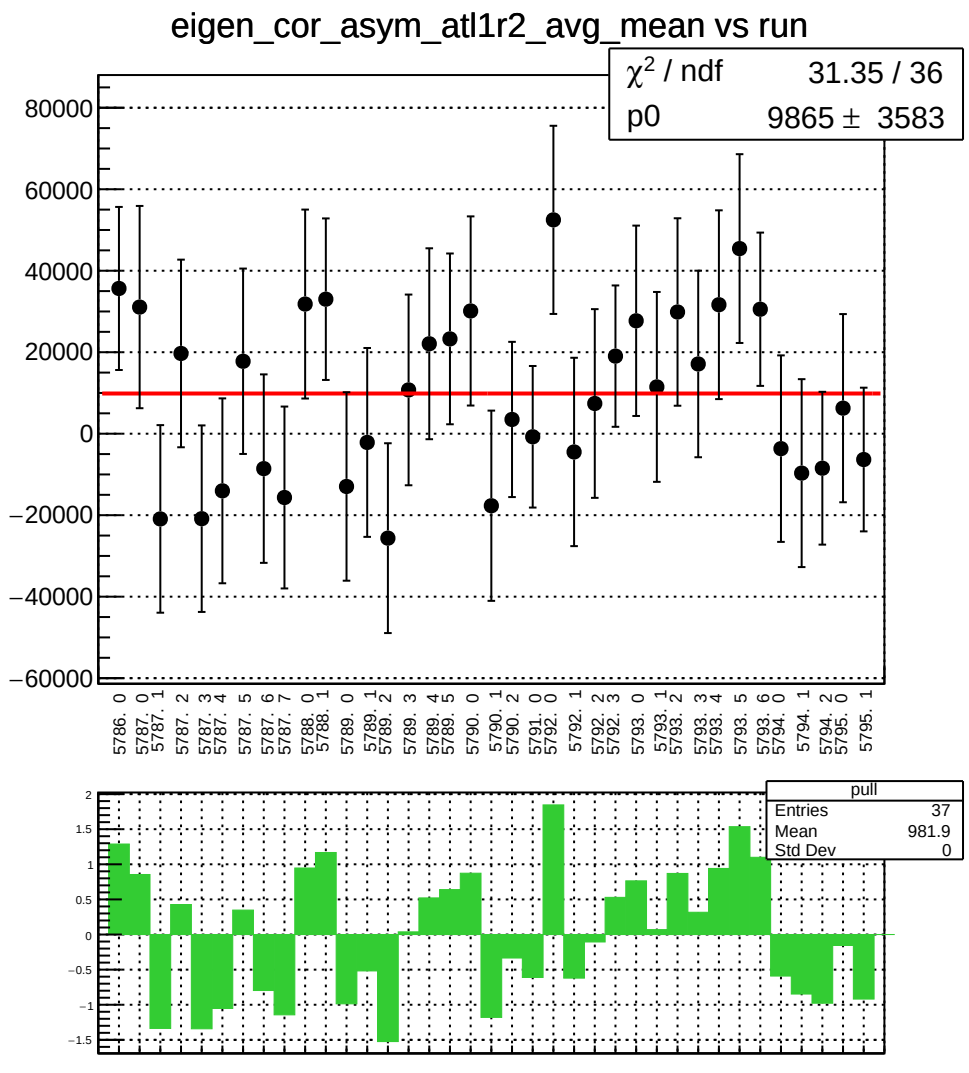
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atl1r2_avg_mean vs run
χ² / ndf 31.35 / 36
p0 9865 ± 3583
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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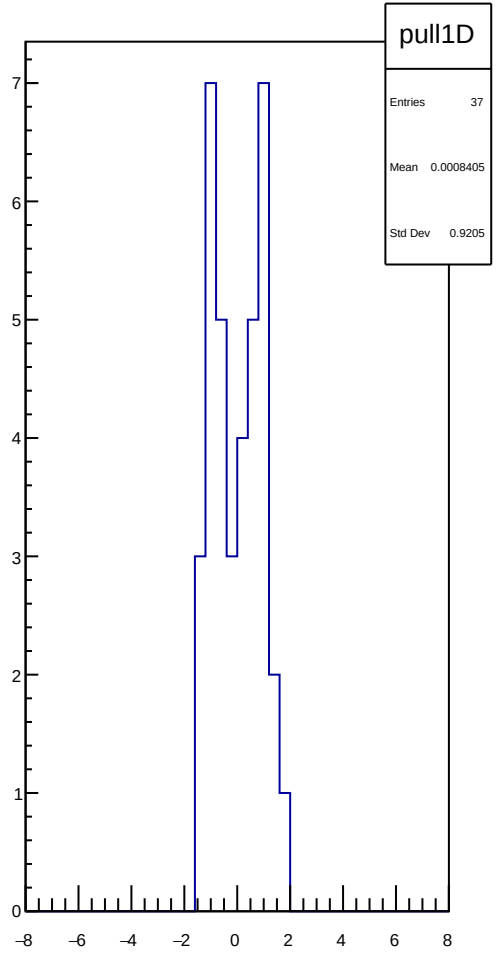
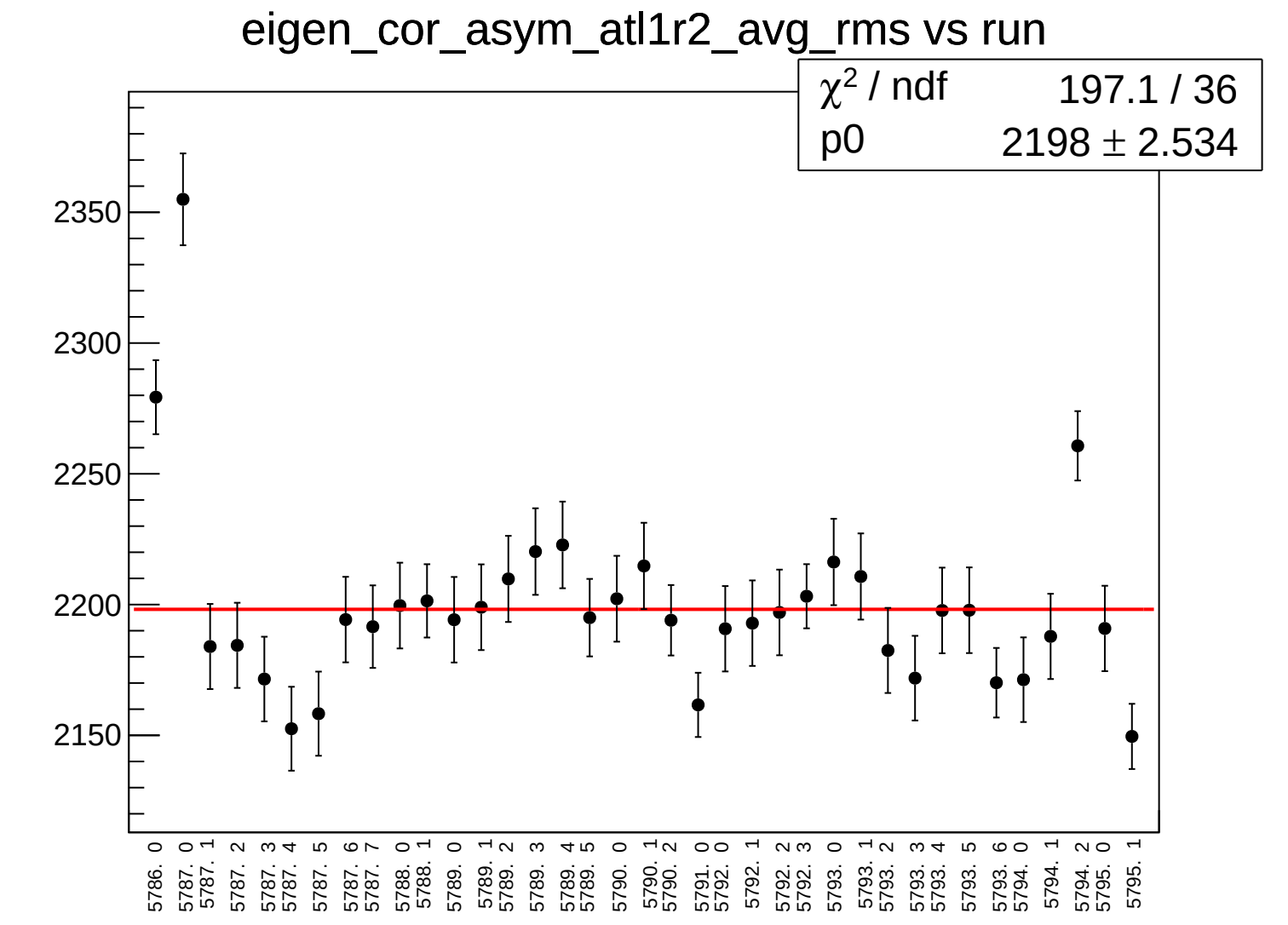
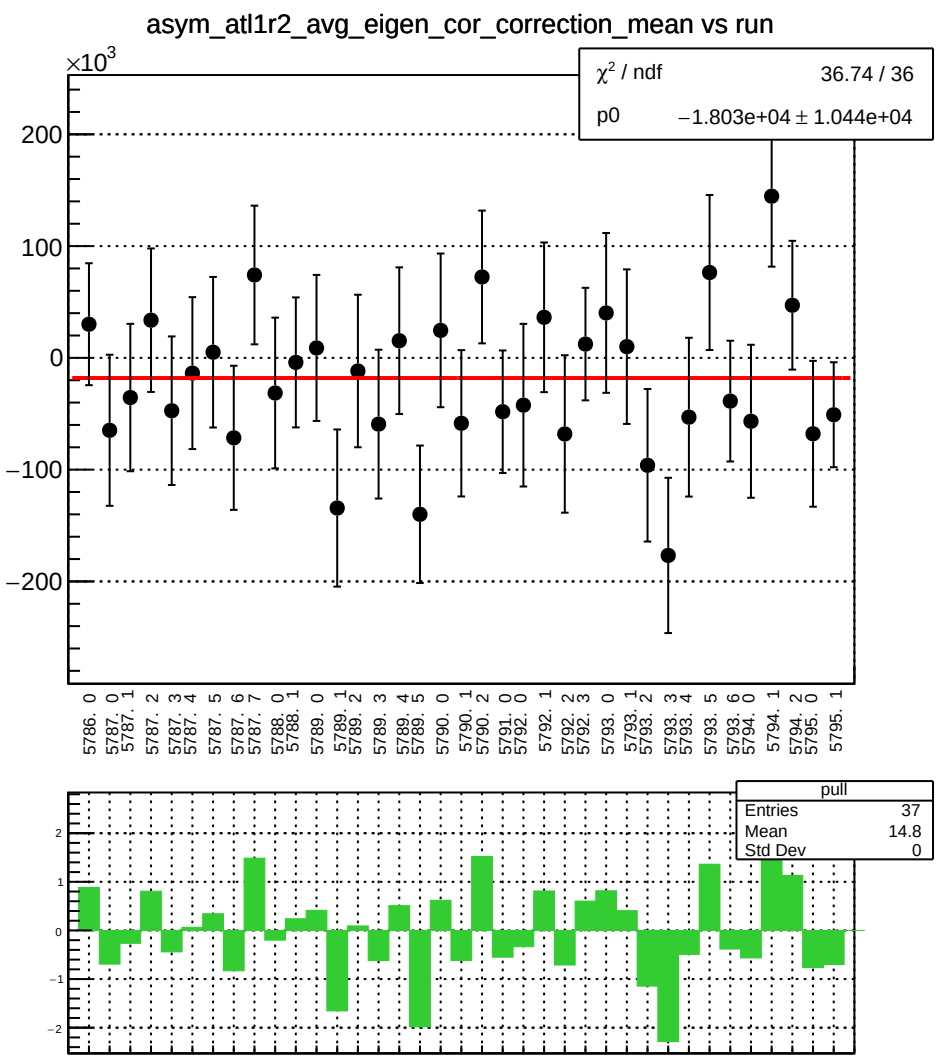
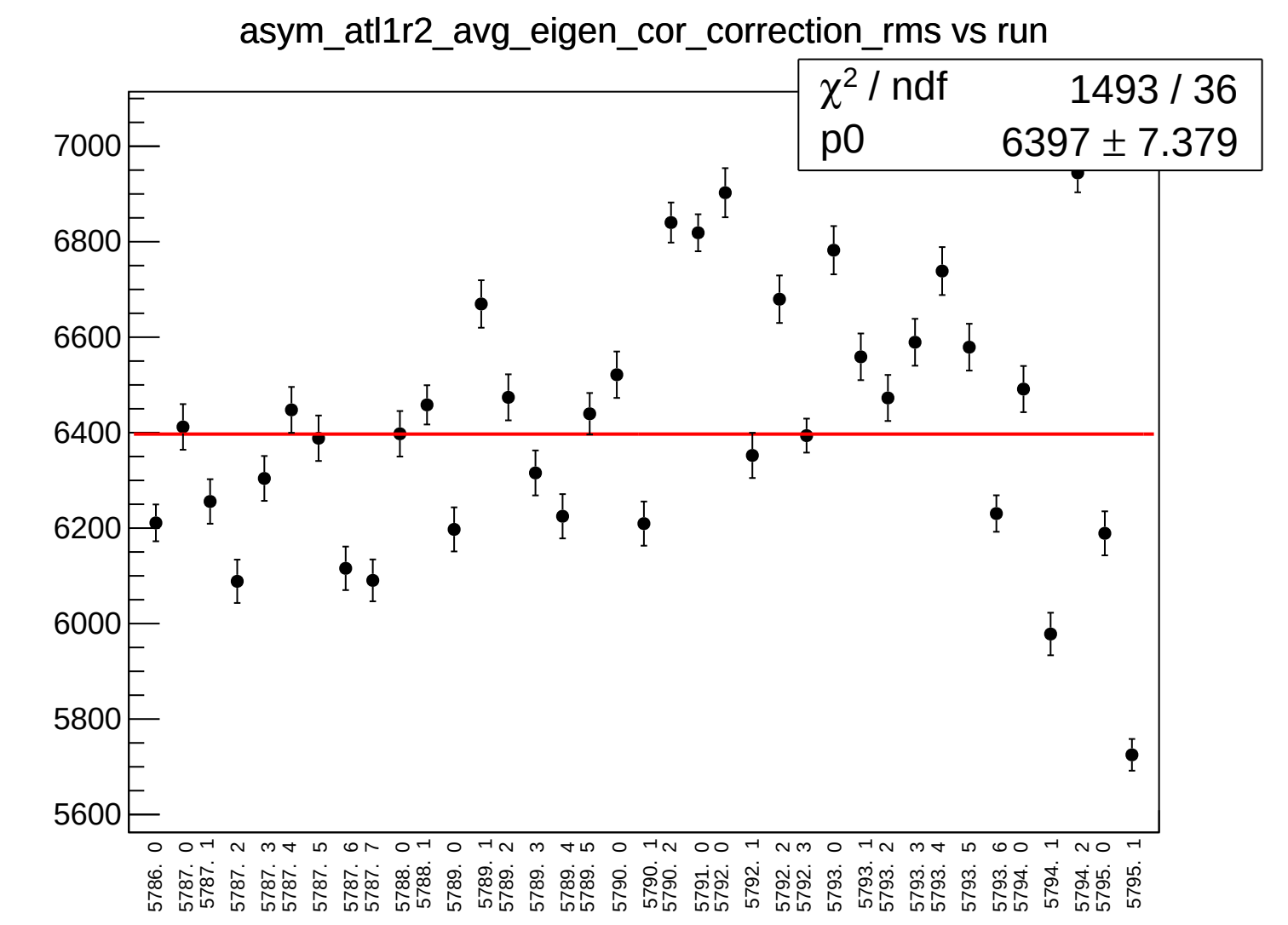
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 981.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.0008405
Std Dev 0.9205
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl1r2_avg_rms vs run
χ² / ndf 197.1 / 36
p0 2198 ± 2.534
2350
2300
2250
2200
2150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1r2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.74 / 36
p0 −1.803e+04 ± 1.044e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01469
Std Dev 0.9963
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 1493 / 36
p0 6397 ± 7.379
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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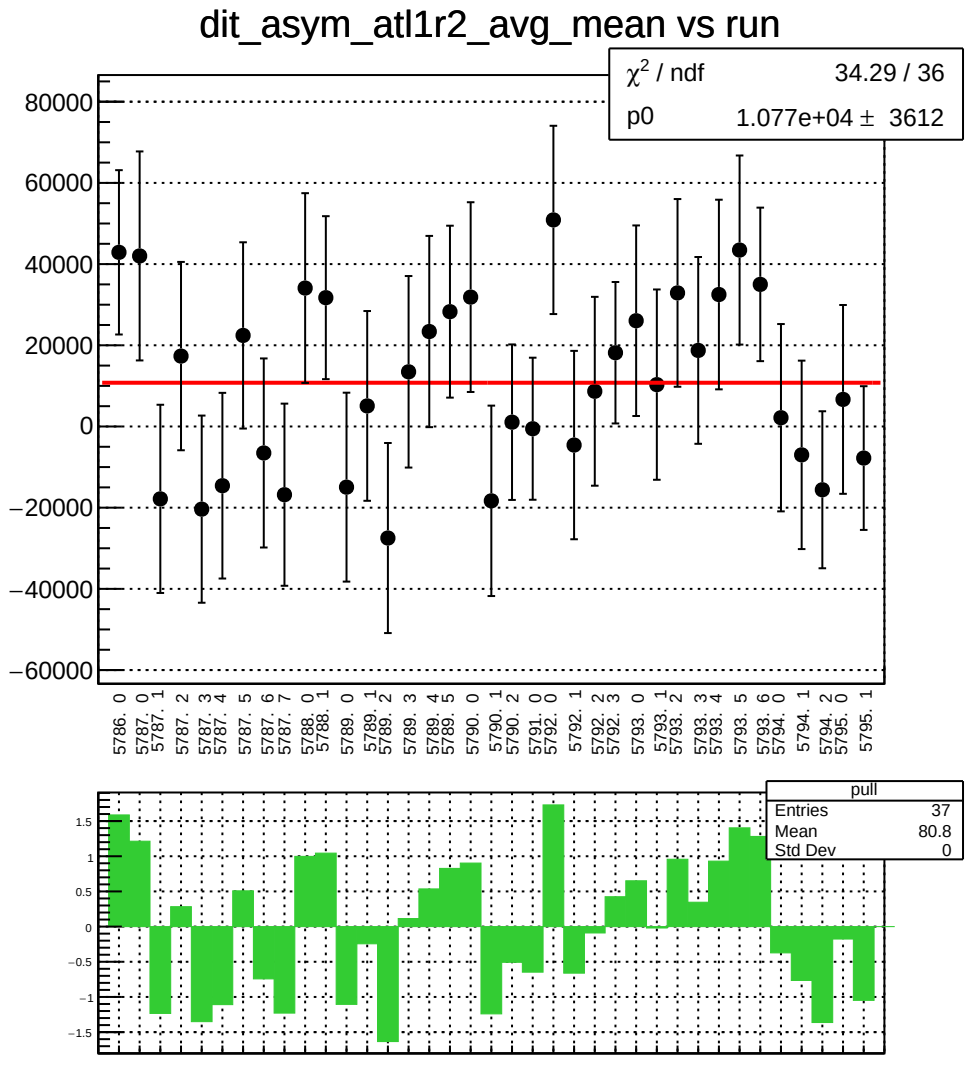
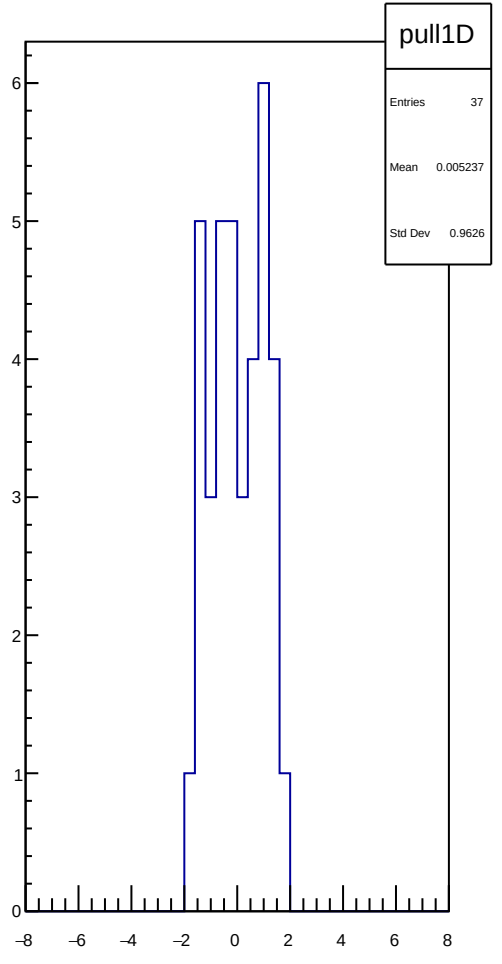
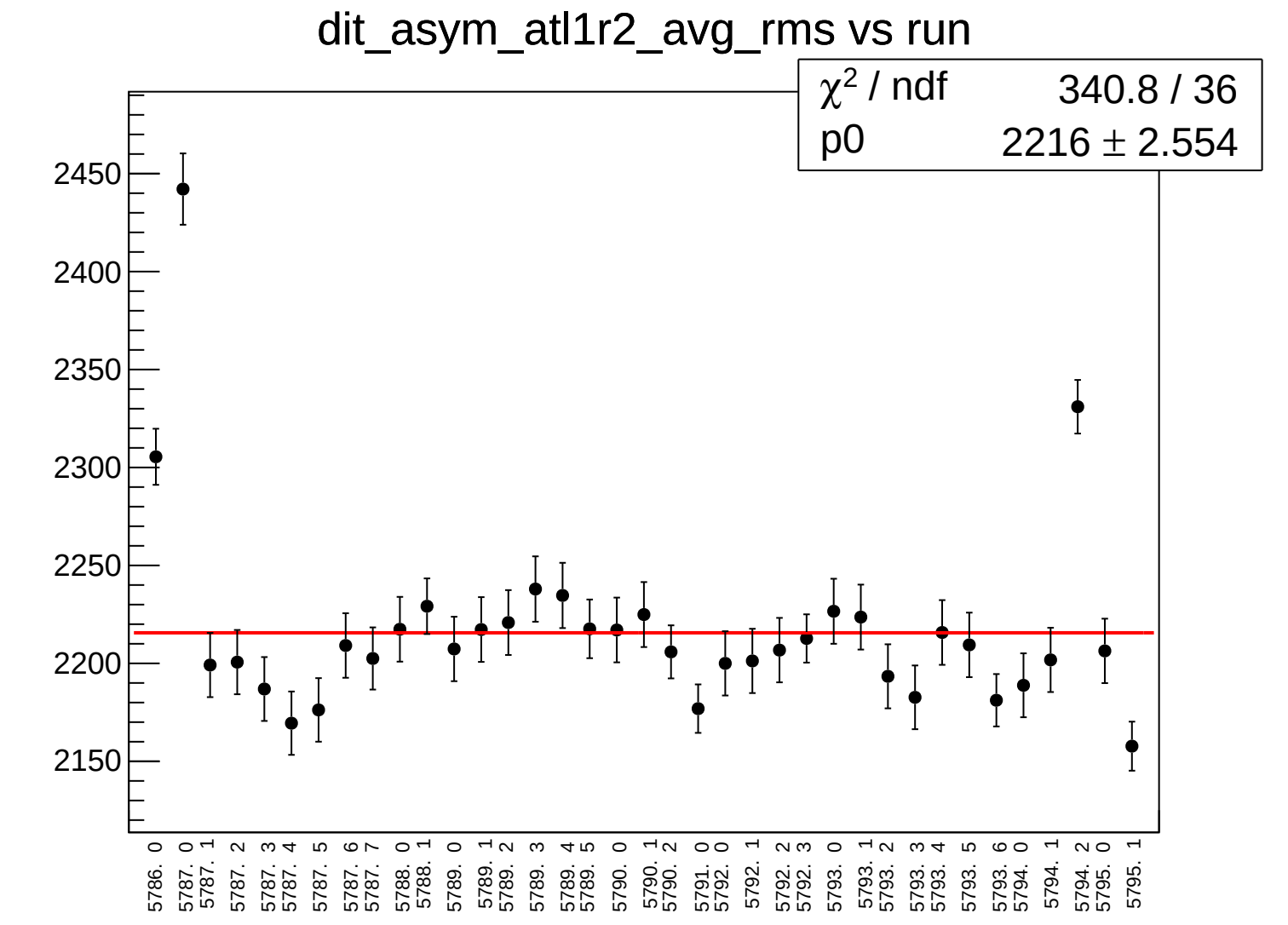
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_atl1r2_avg_mean vs run
χ² / ndf 34.29 / 36
p0 1.077e+04 ± 3612
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.005237
Std Dev 0.9626
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 340.8 / 36
p0 2216 ± 2.554
2450
2400
2350
2300
2250
2200
2150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
5793. 1
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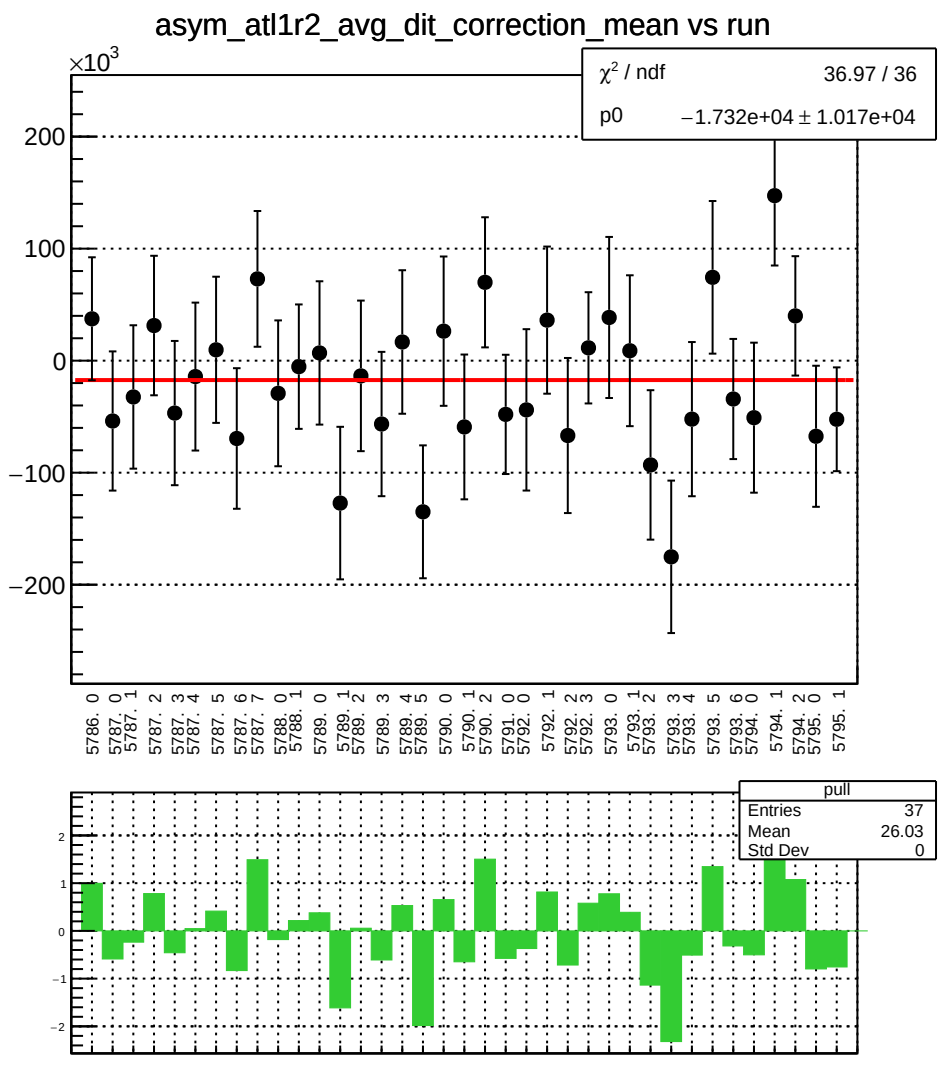
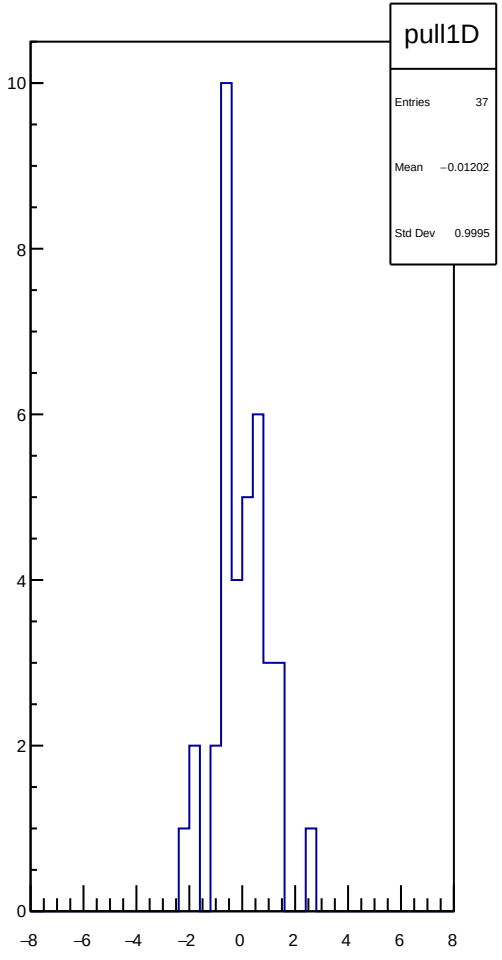
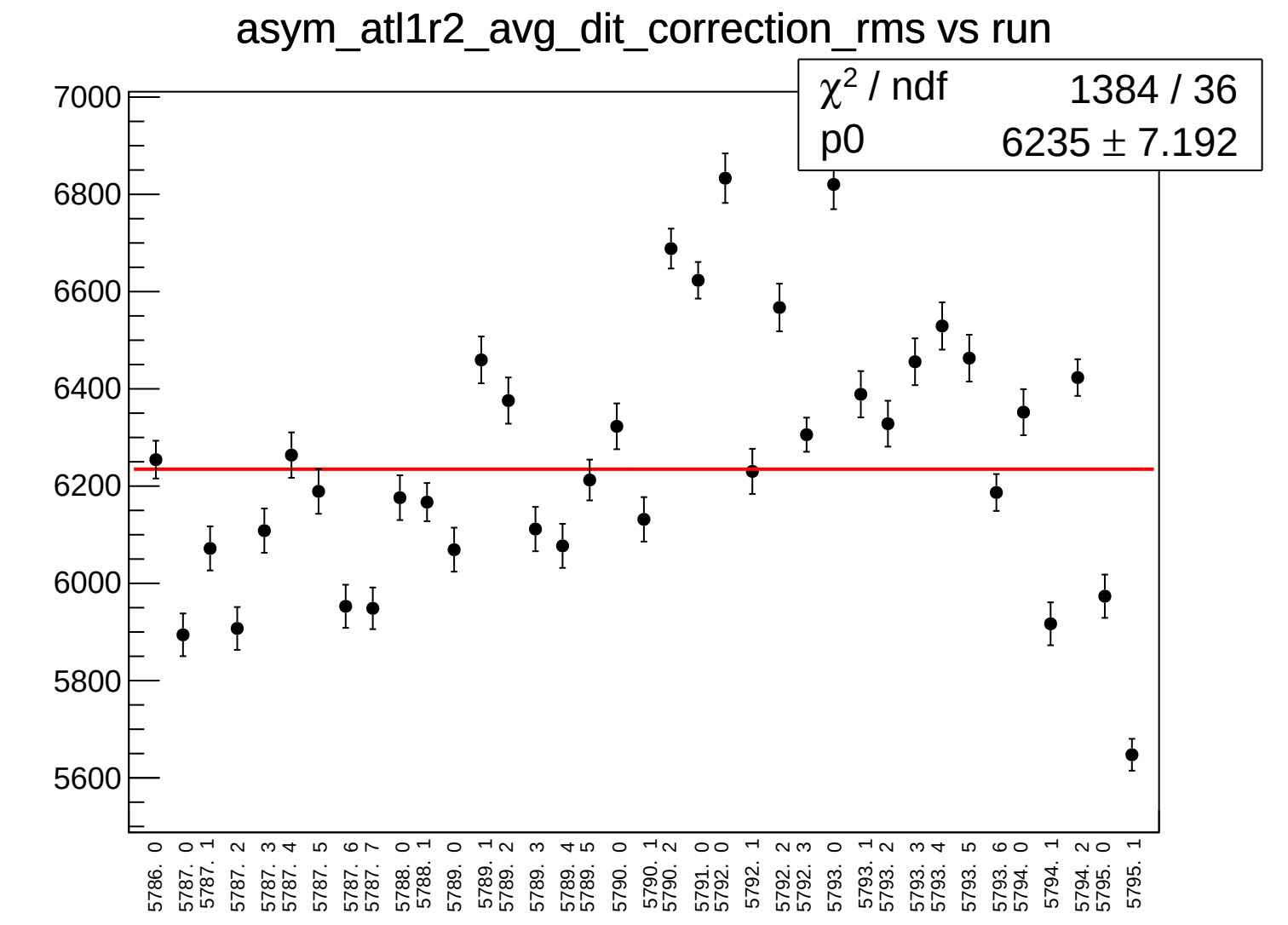
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1r2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 36.97 / 36
p0 −1.732e+04 ± 1.017e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.03
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01202
Std Dev 0.9995
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_dit_correction_rms vs run
χ² / ndf 1384 / 36
p0 6235 ± 7.192
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
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5789. 5
5790. 0
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 1
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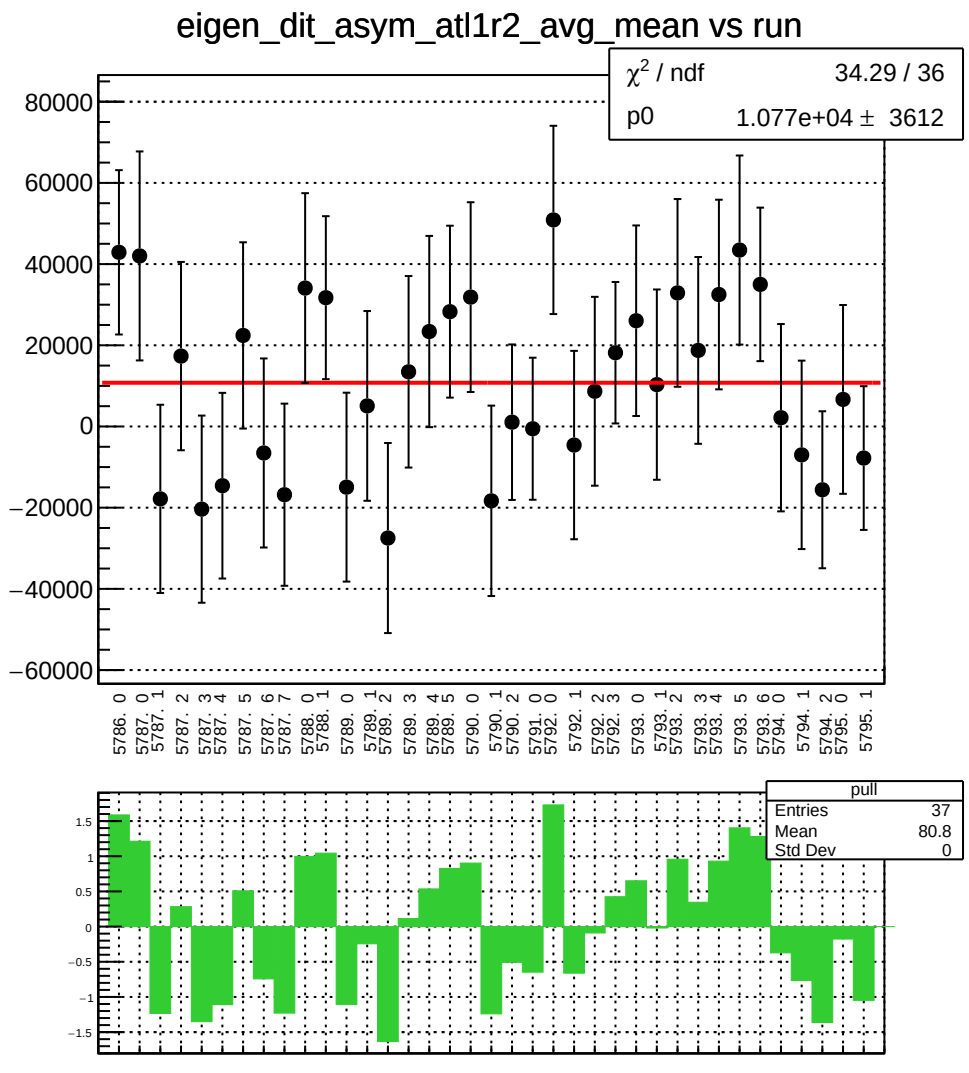
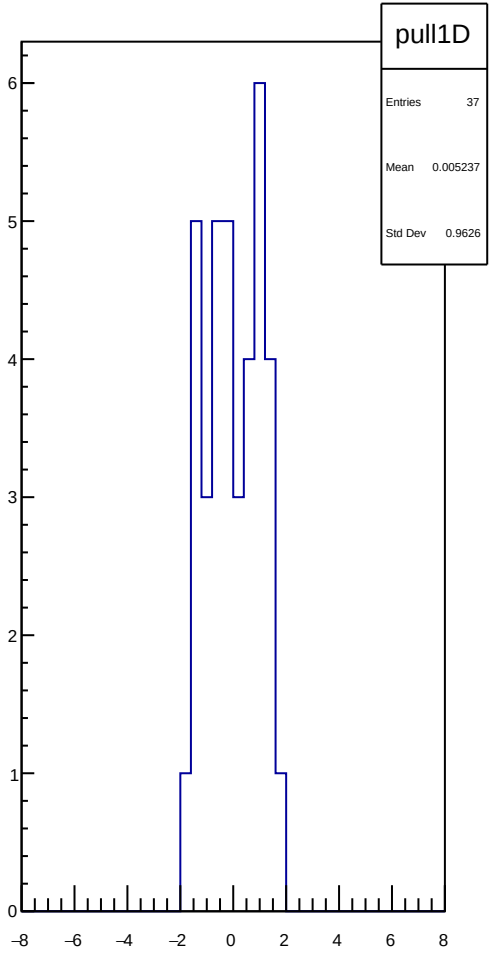
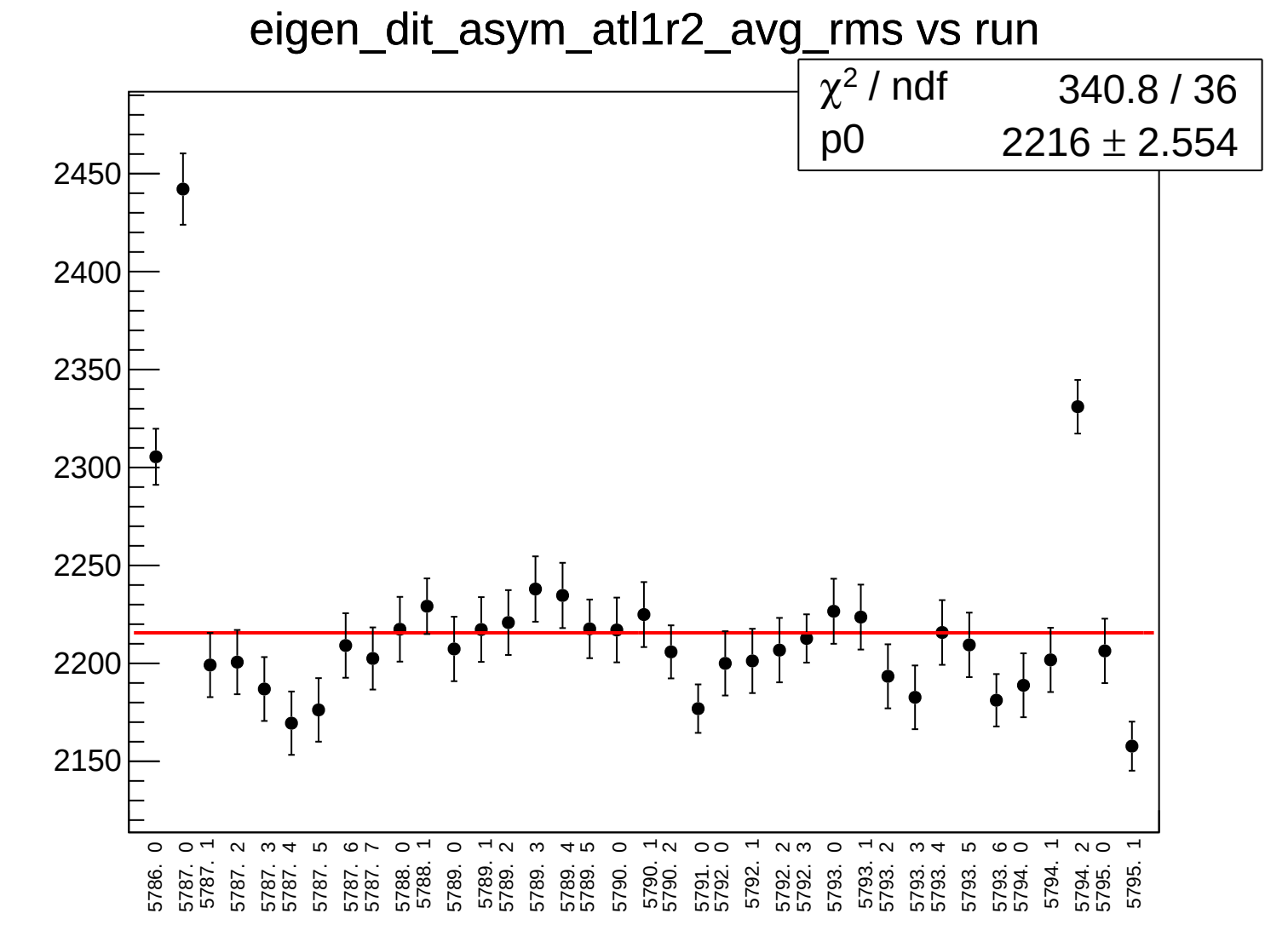
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_atl1r2_avg_mean vs run
χ² / ndf 34.29 / 36
p0 1.077e+04 ± 3612
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.005237
Std Dev 0.9626
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_avg_rms vs run
χ² / ndf 340.8 / 36
p0 2216 ± 2.554
2450
2400
2350
2300
2250
2200
2150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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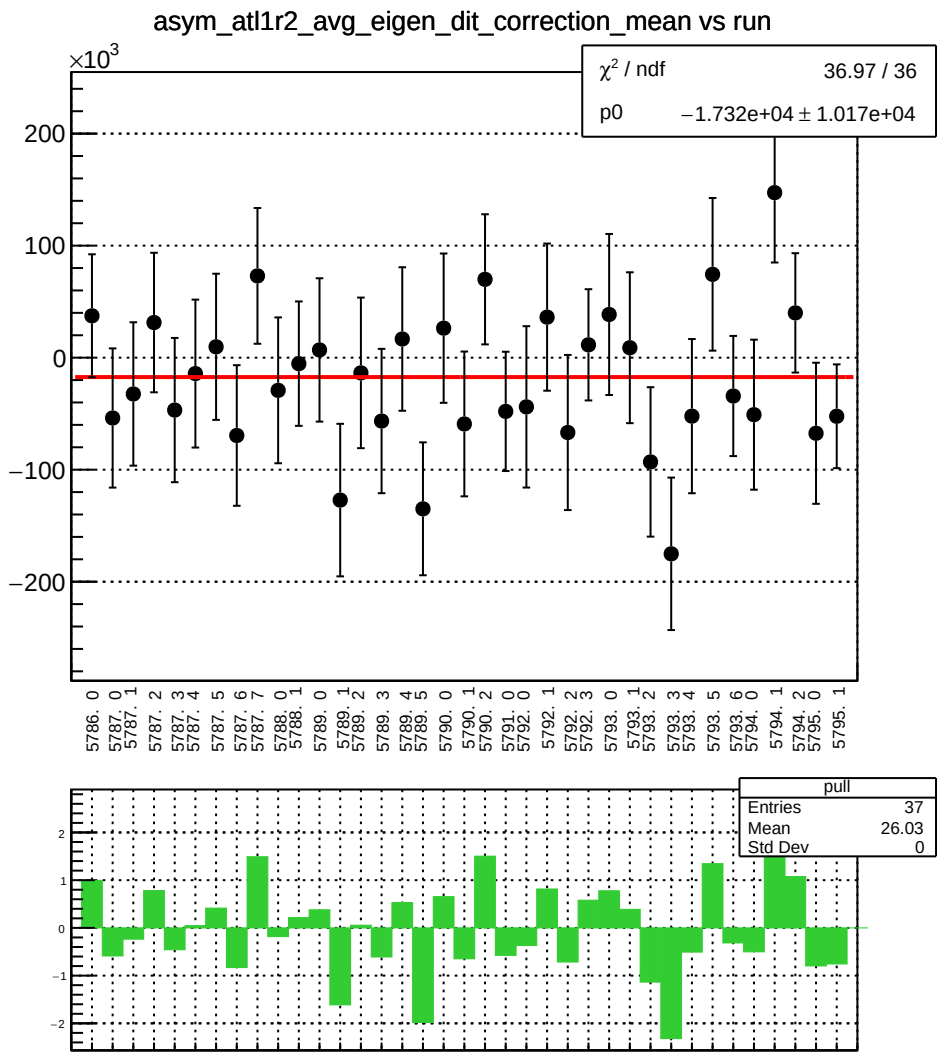
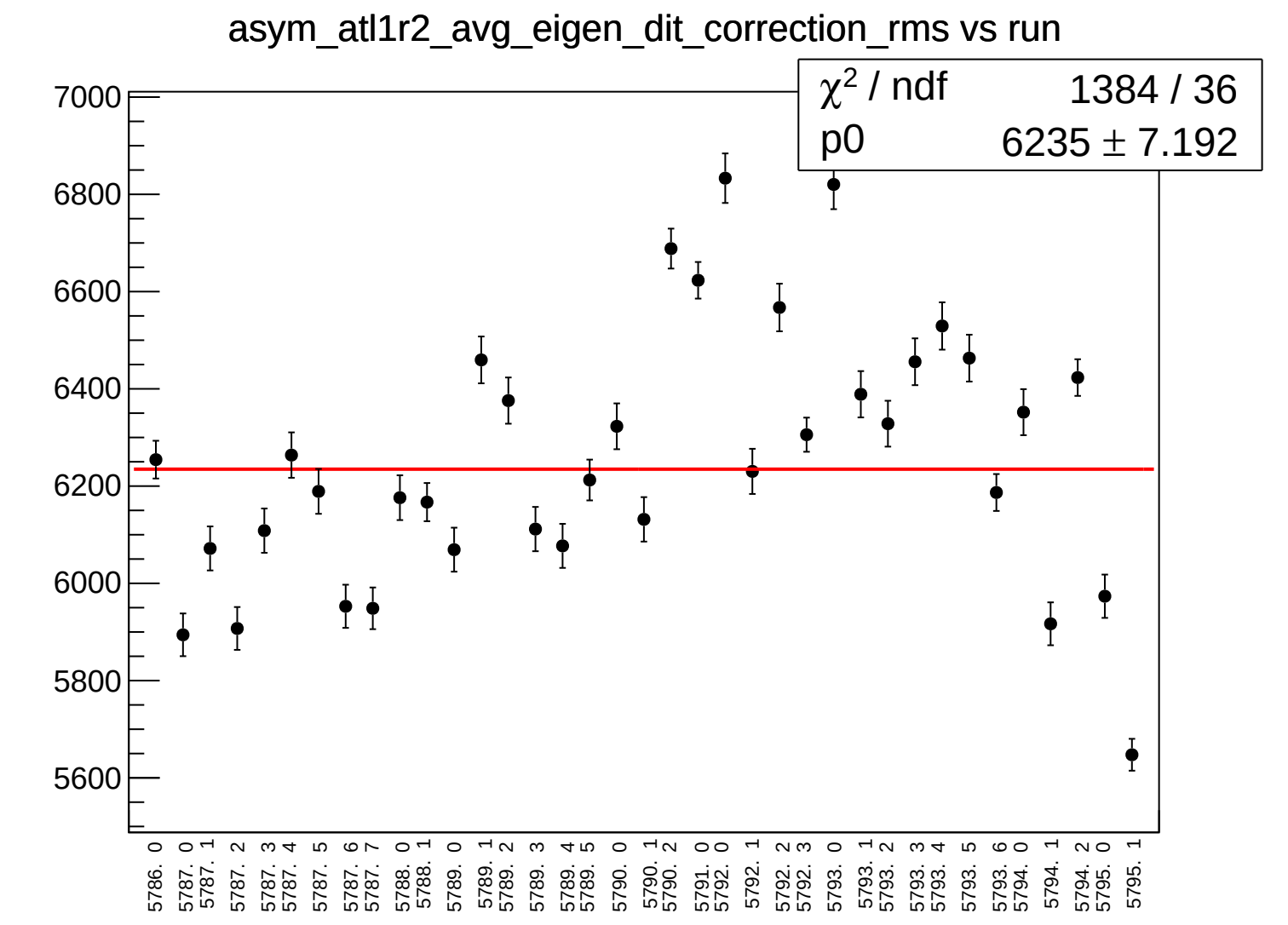
5794. 2
5795. 0
5795. 1


asym_atl1r2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.97 / 36
p0 −1.732e+04 ± 1.017e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.03
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01202
Std Dev 0.9995
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1384 / 36
p0 6235 ± 7.192
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5790. 0
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5790. 2
5791. 0
5792. 0
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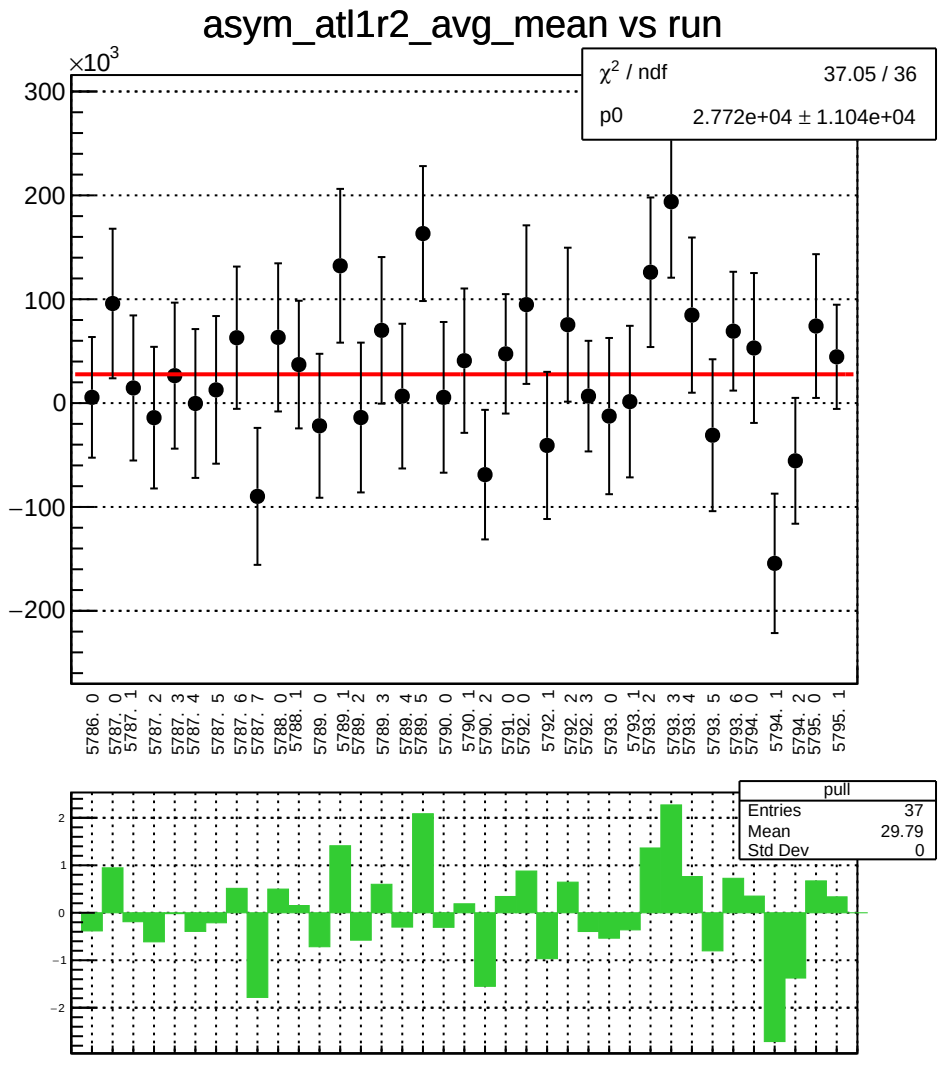
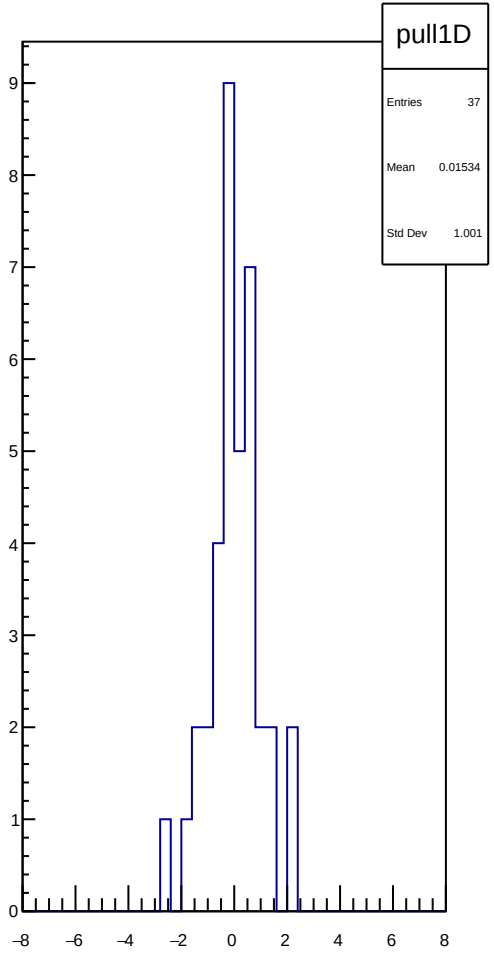
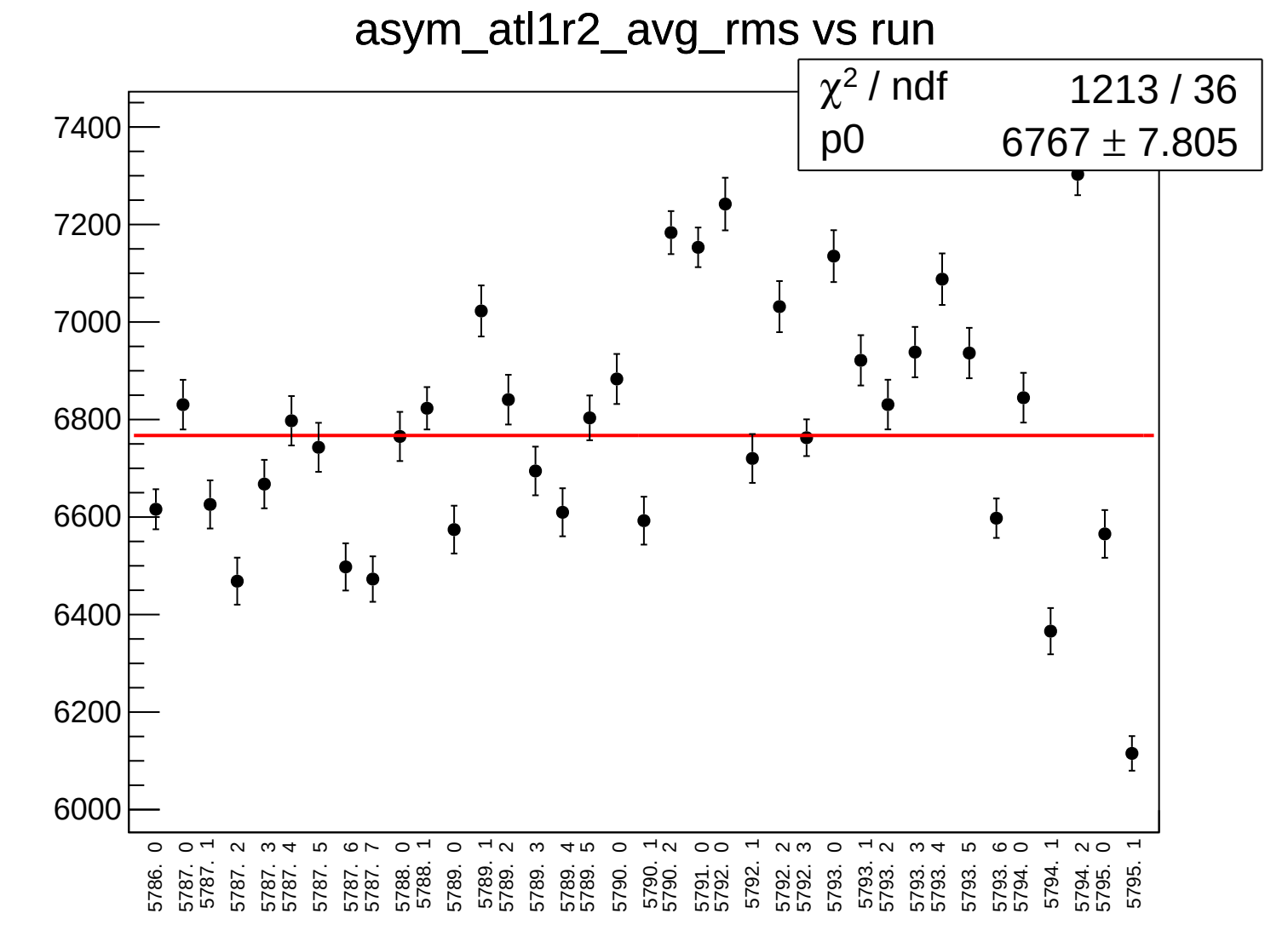
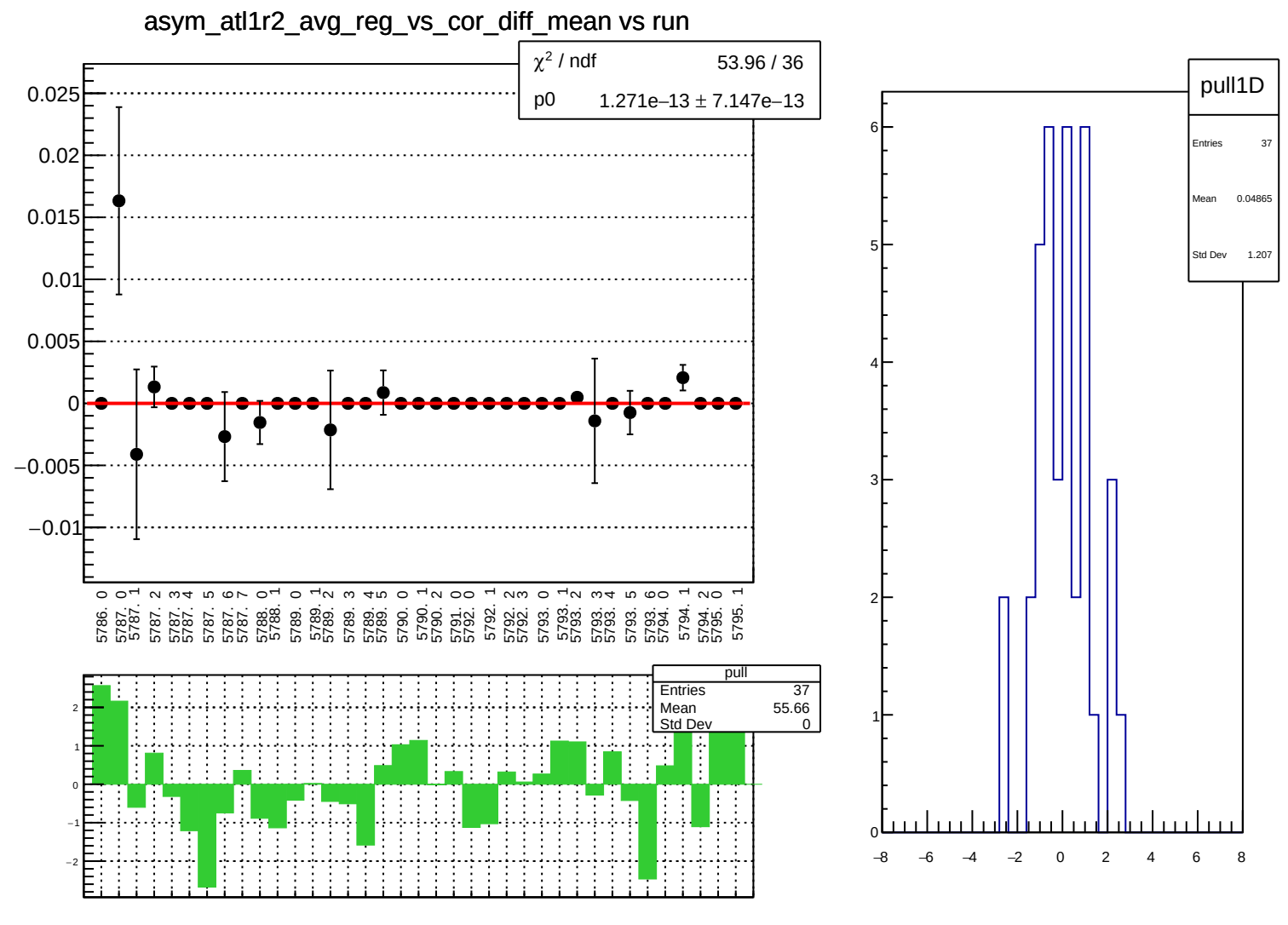
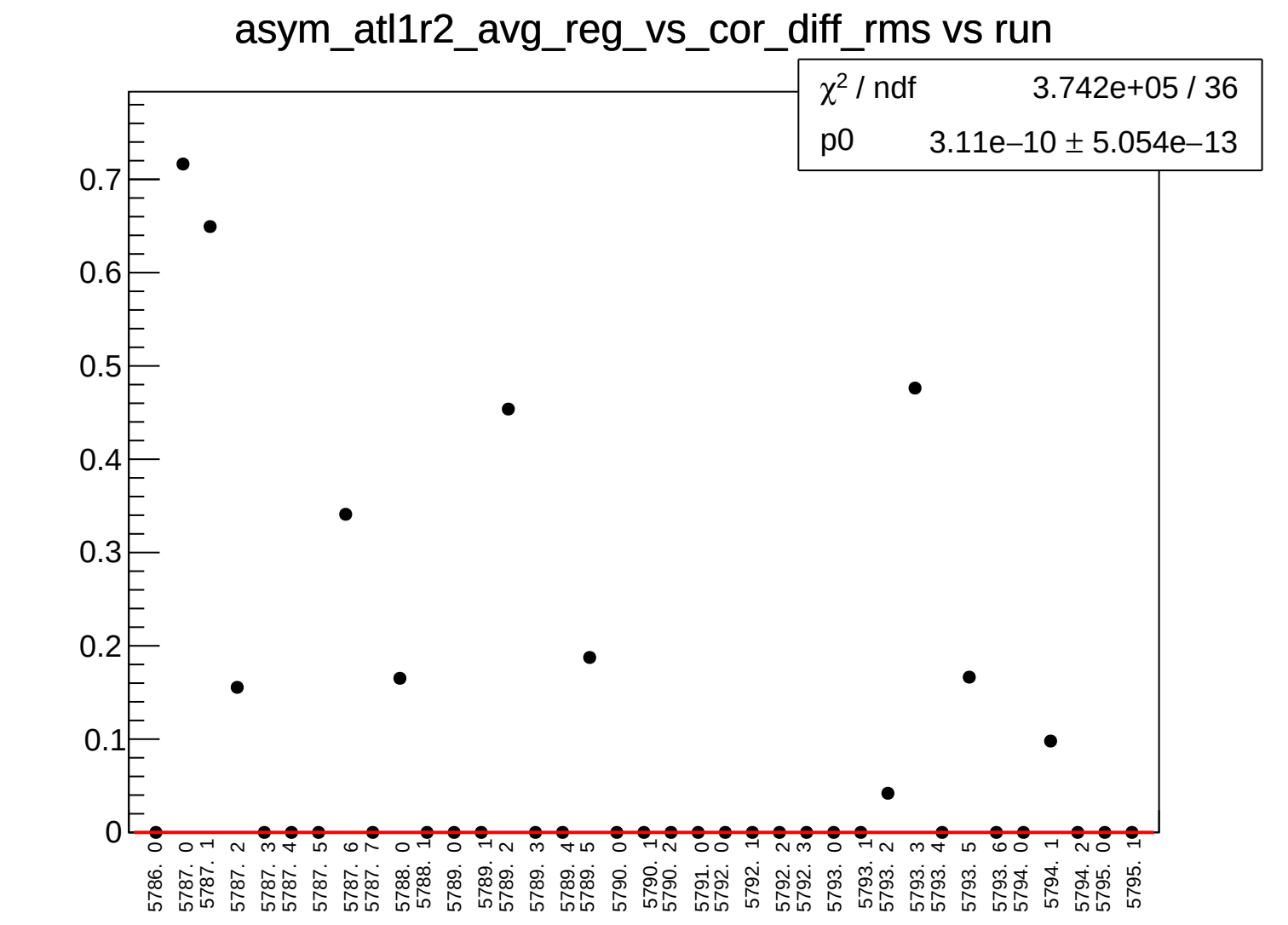
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

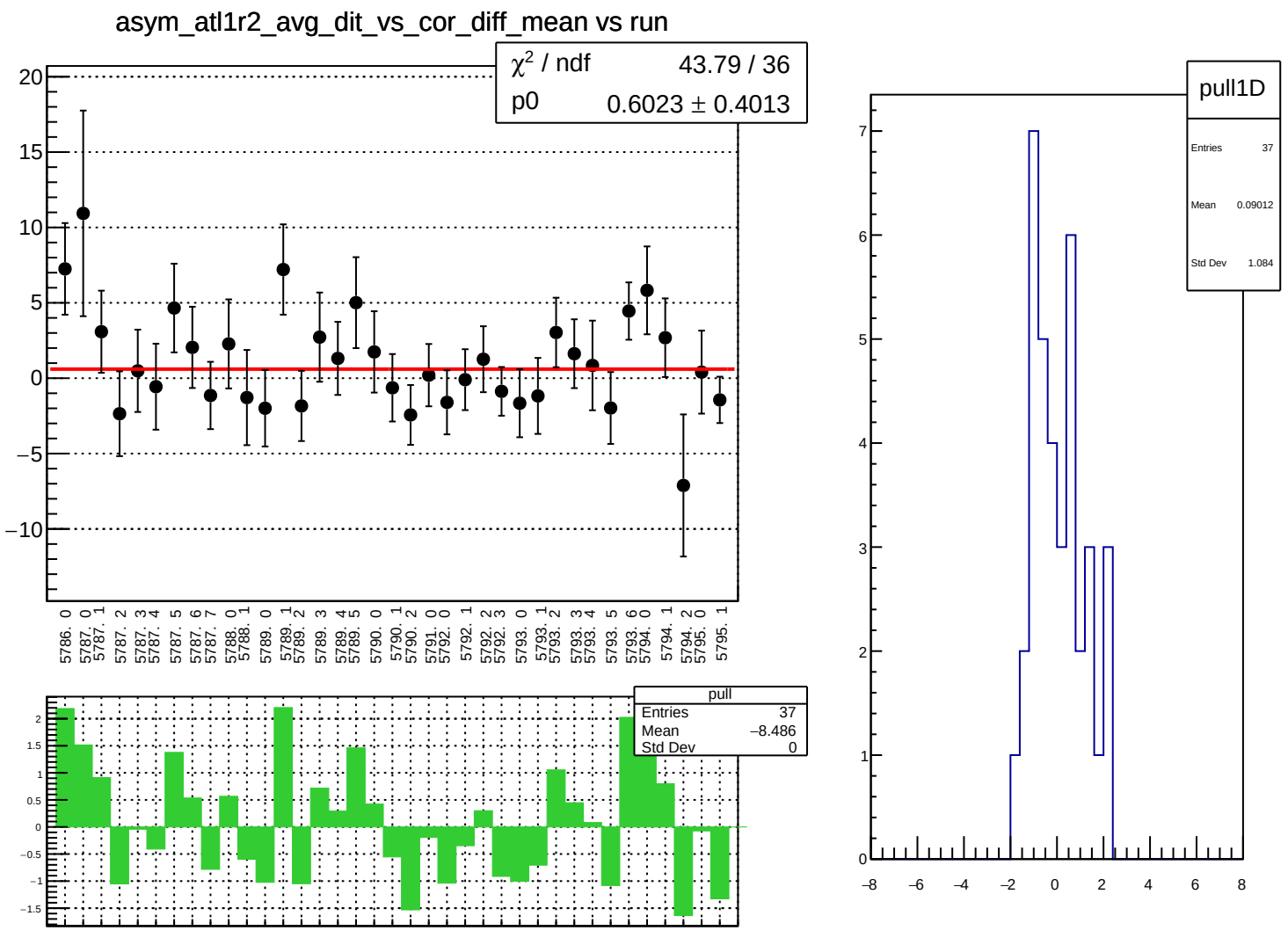

asym_atl1r2_avg_mean vs run
×10^3
χ² / ndf 37.05 / 36
p0 2.772e+04 ± 1.104e+04
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.79
Std Dev 0
2
1
0
−1
−2

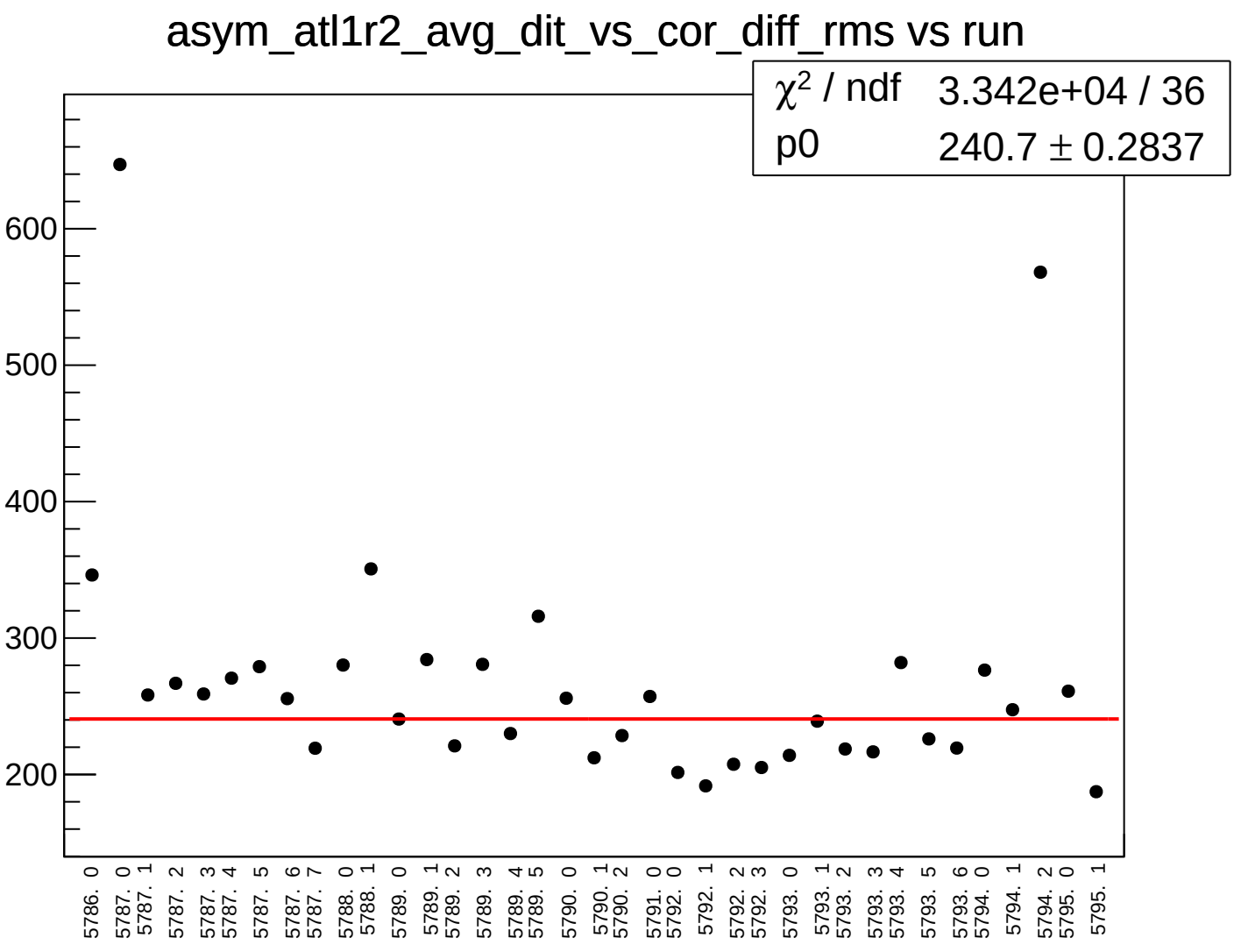

pull1D
Entries 37
Mean 0.01534
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

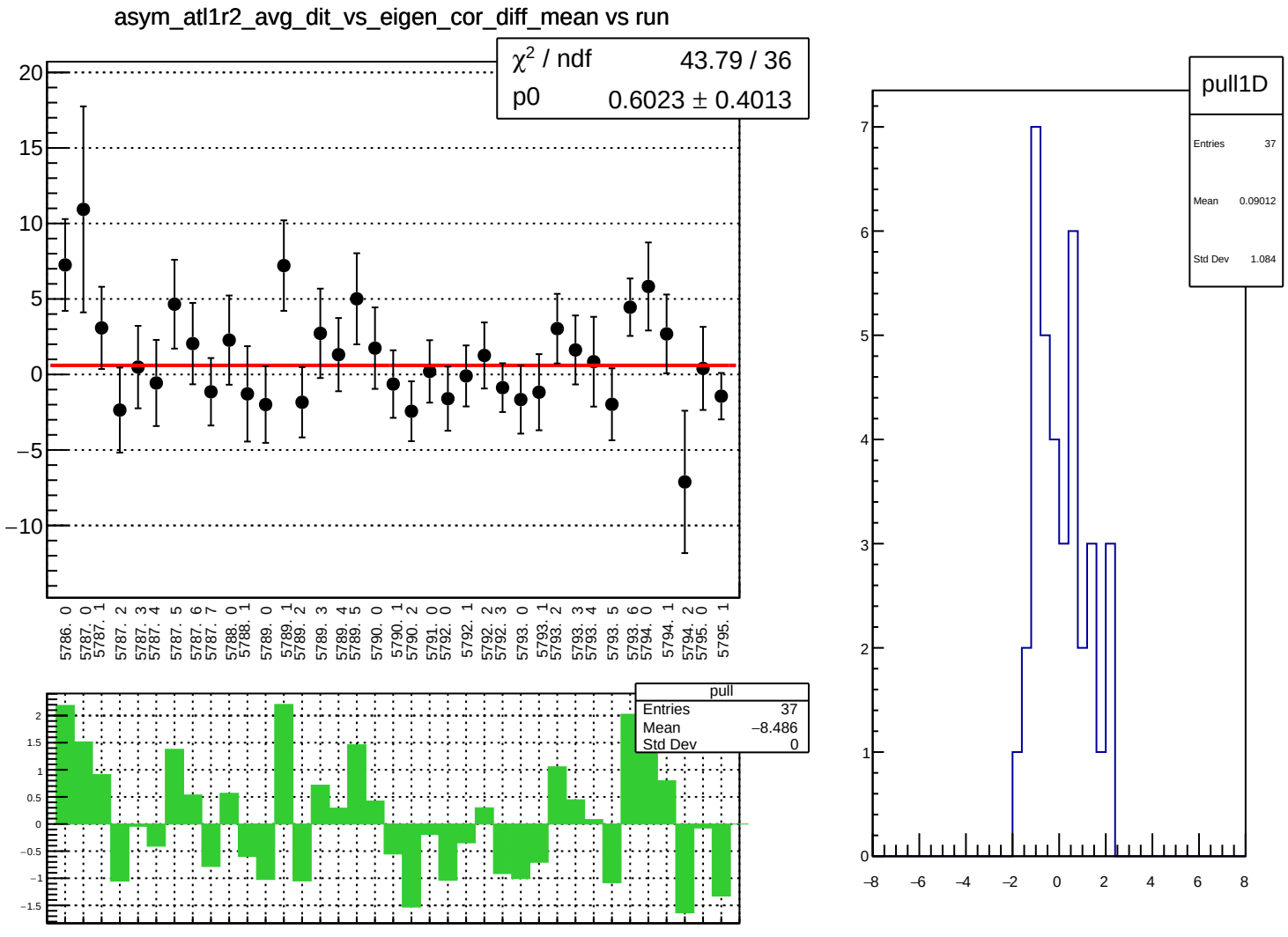

asym_atl1r2_avg_rms vs run
χ² / ndf 1213 / 36
p0 6767 ± 7.805
7400
7200
7000
6800
6600
6400
6200
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

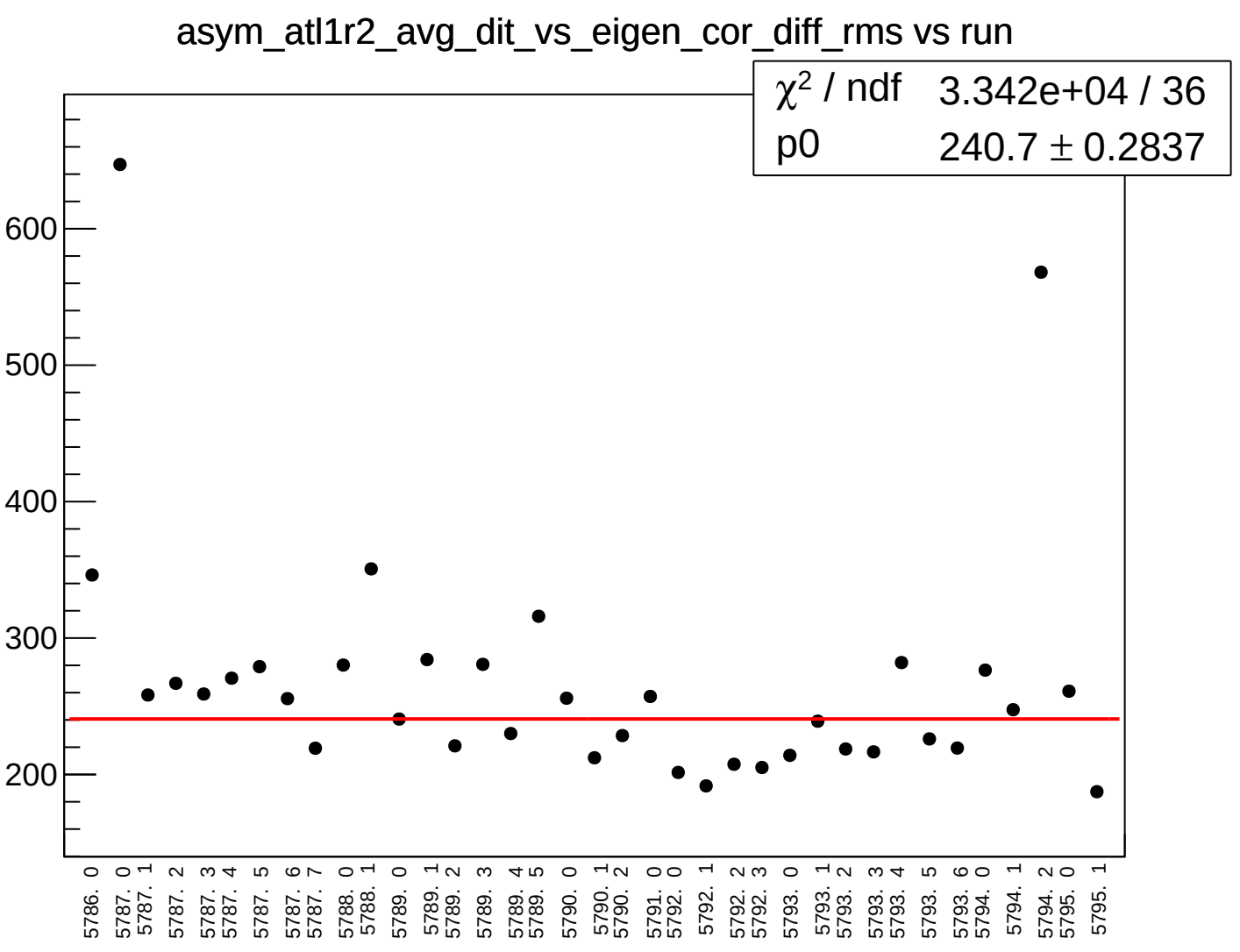

asym_atl1r2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 53.96 / 36
p0 1.271e−13 ± 7.147e−13
0.025
0.02
0.015
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 55.66
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.04865
Std Dev 1.207
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

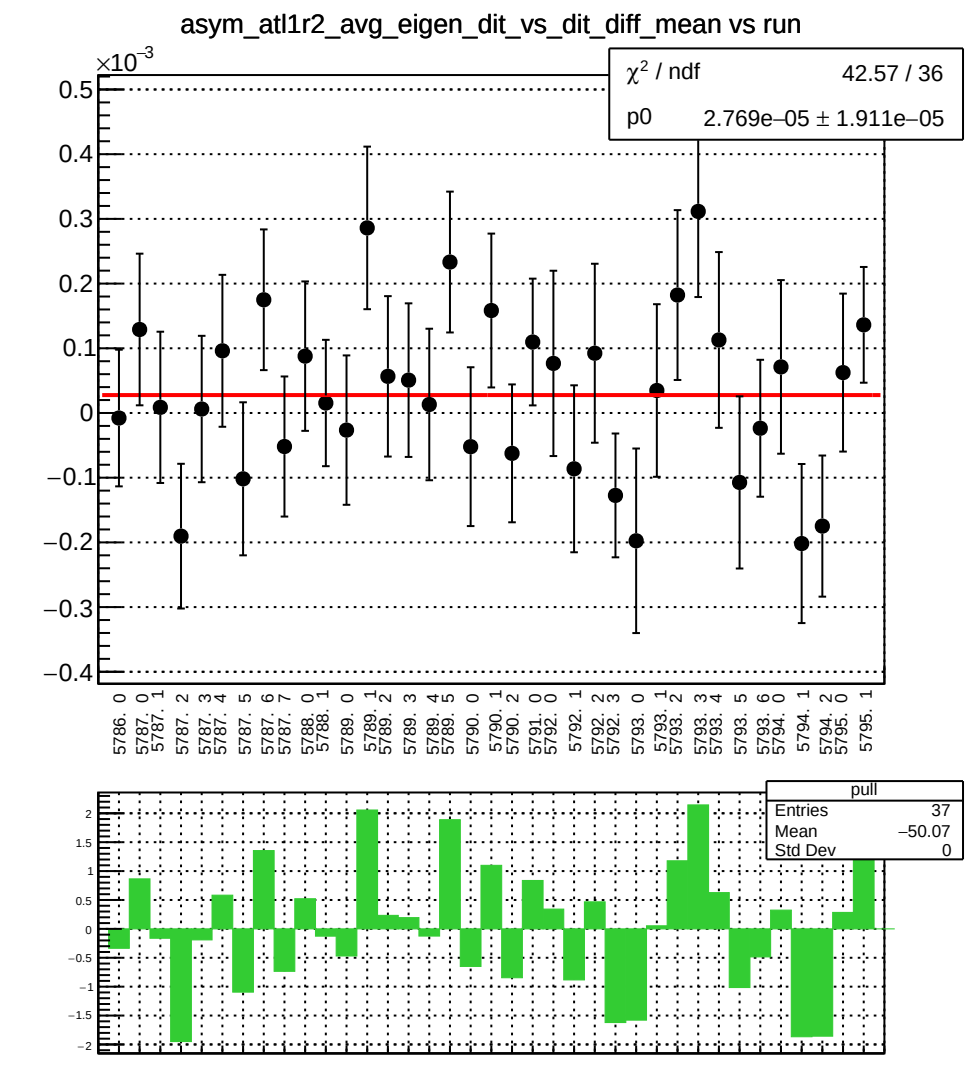

asym_atl1r2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.742e+05 / 36
p0 3.11e−10 ± 5.054e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

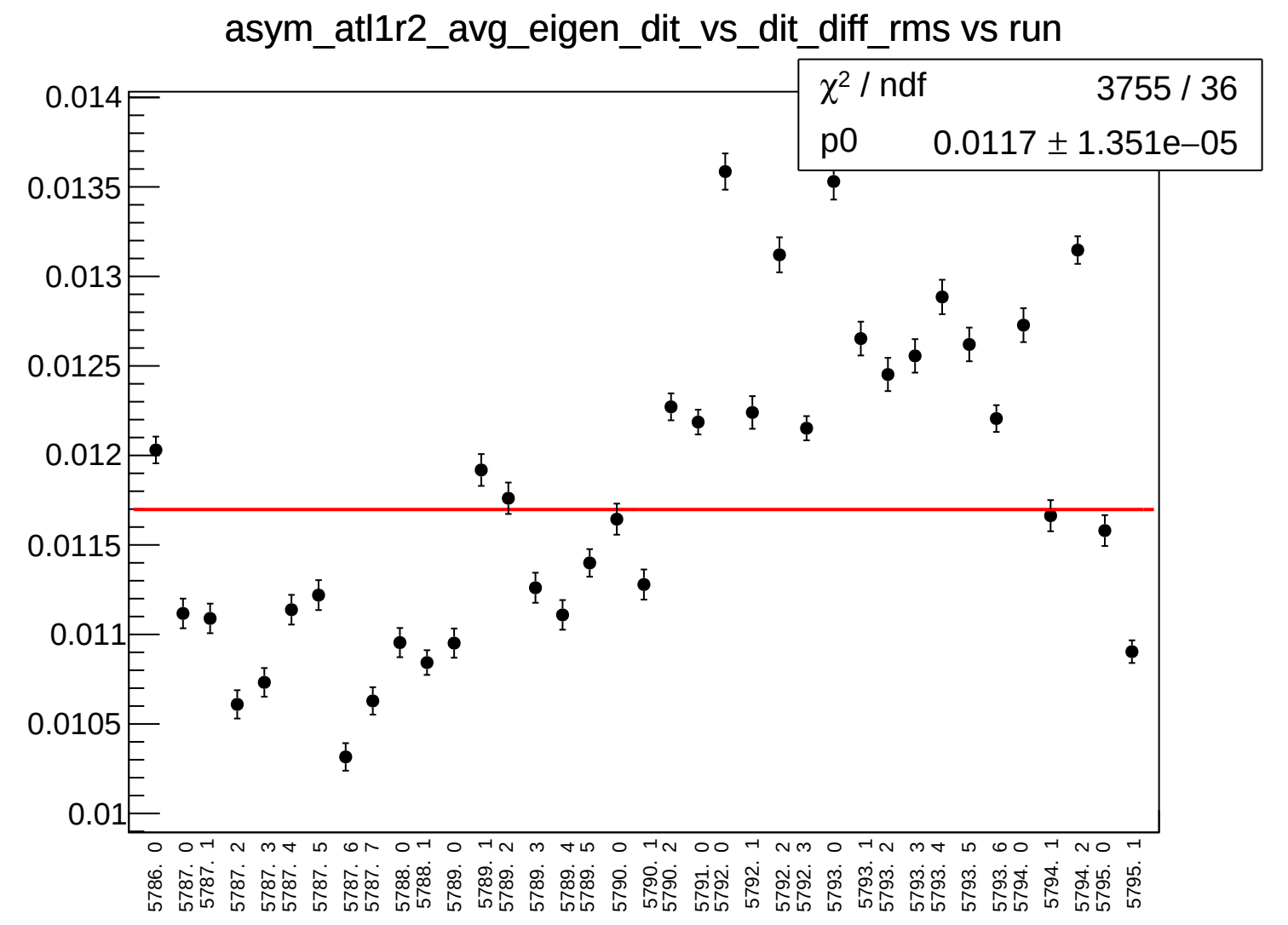

asym_atl1r2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.6023 ± 0.4013
pull
Entries 37
Mean −8.486
Std Dev 0
pull1D
Entries 37
Mean 0.09012
Std Dev 1.084

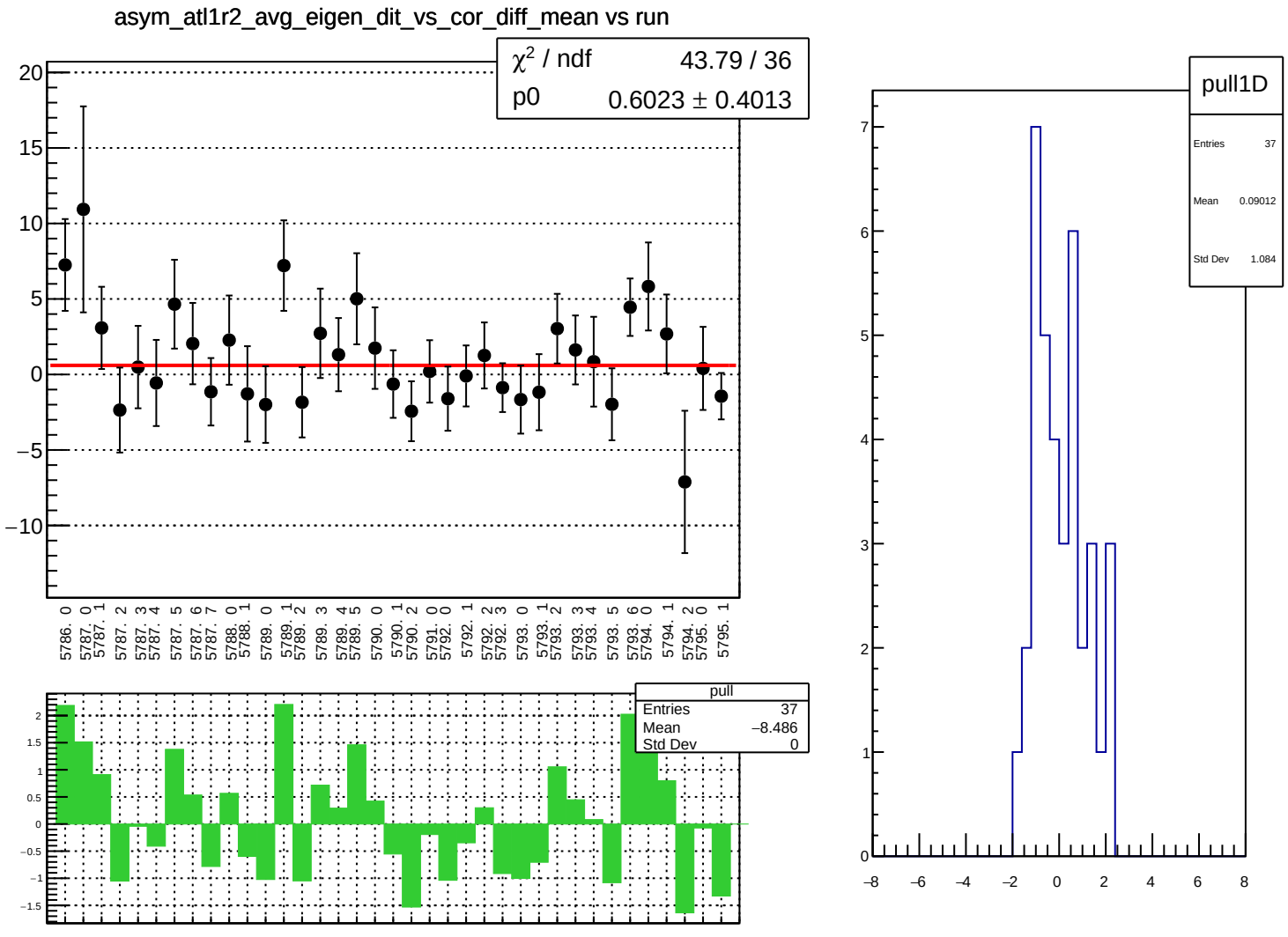

asym_atl1r2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.342e+04 / 36
p0 240.7 ± 0.2837
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

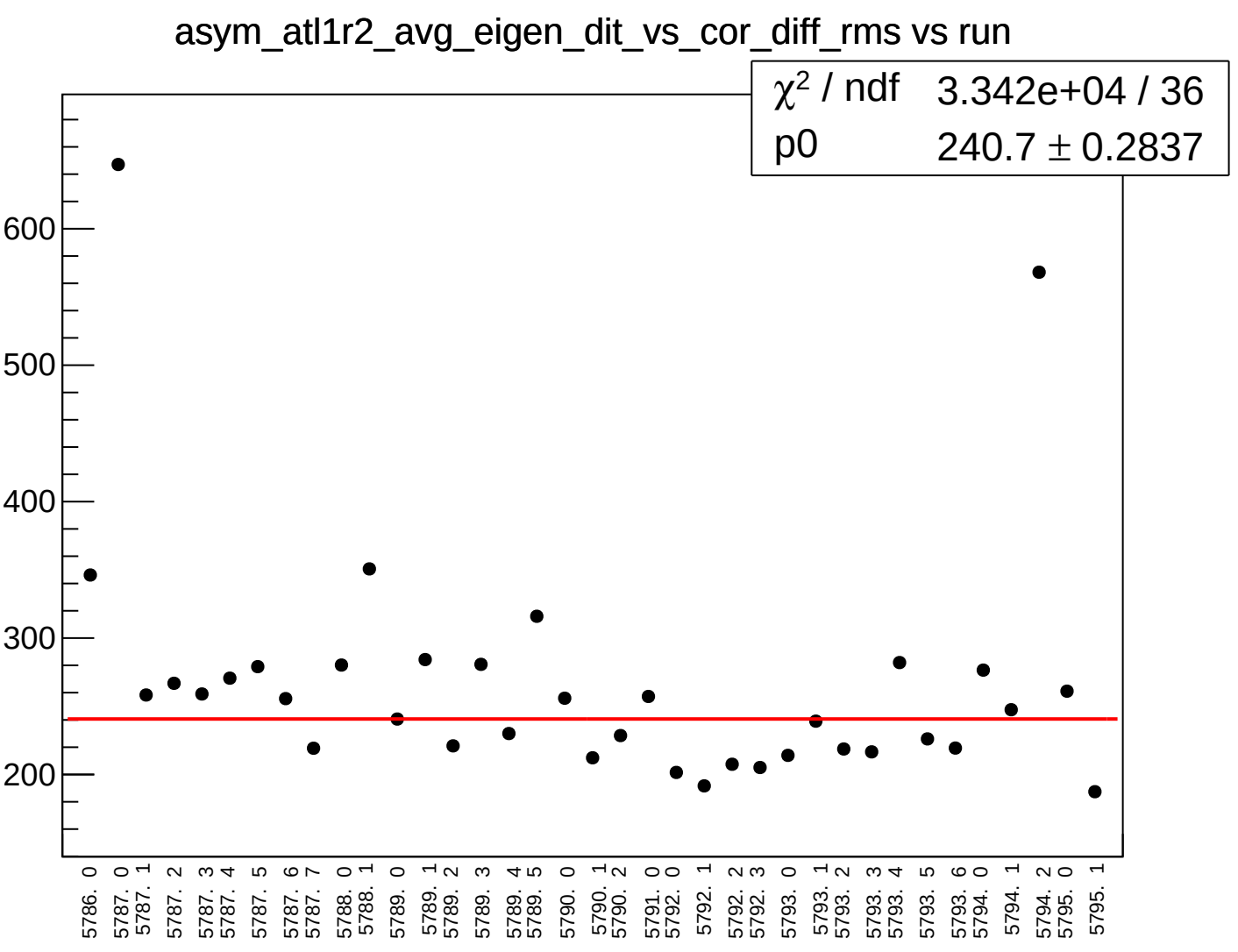

asym_atl1r2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.6023 ± 0.4013
20
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.486
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.09012
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

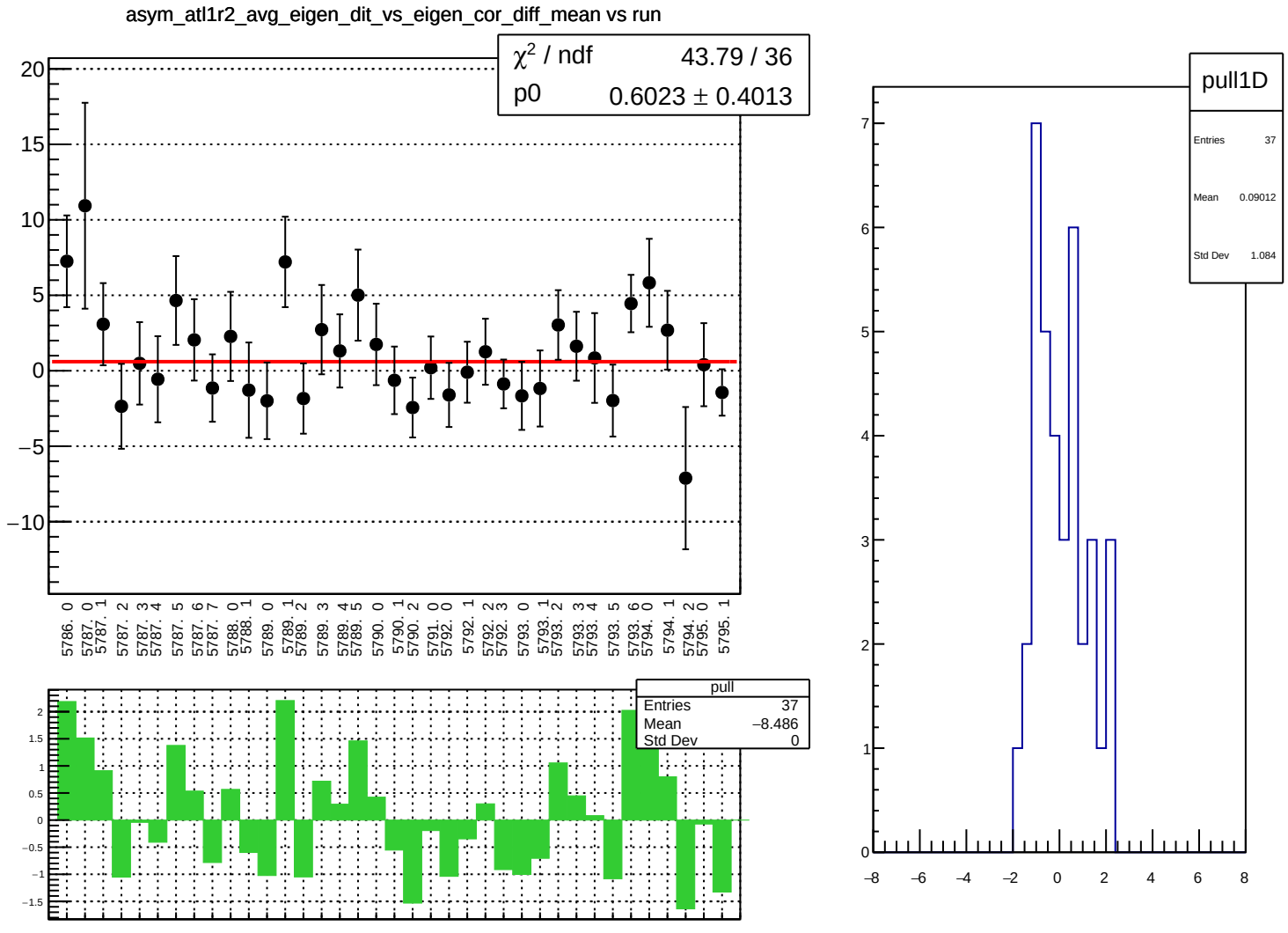

asym_atl1r2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.342e+04 / 36
p0 240.7 ± 0.2837
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

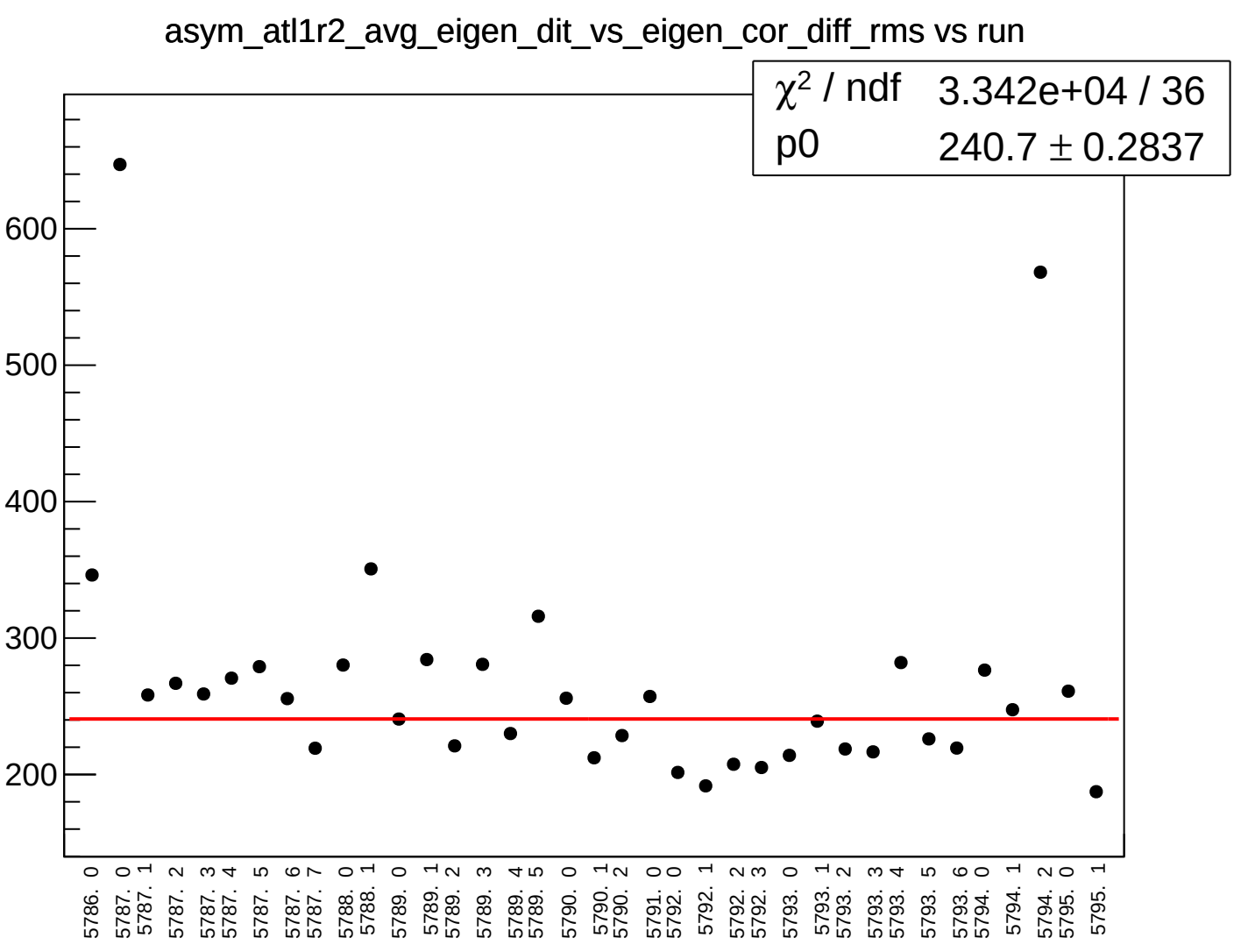

asym_atl1r2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.57 / 36
p0 2.769e−05 ± 1.911e−05
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.007605
Std Dev 1.073
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

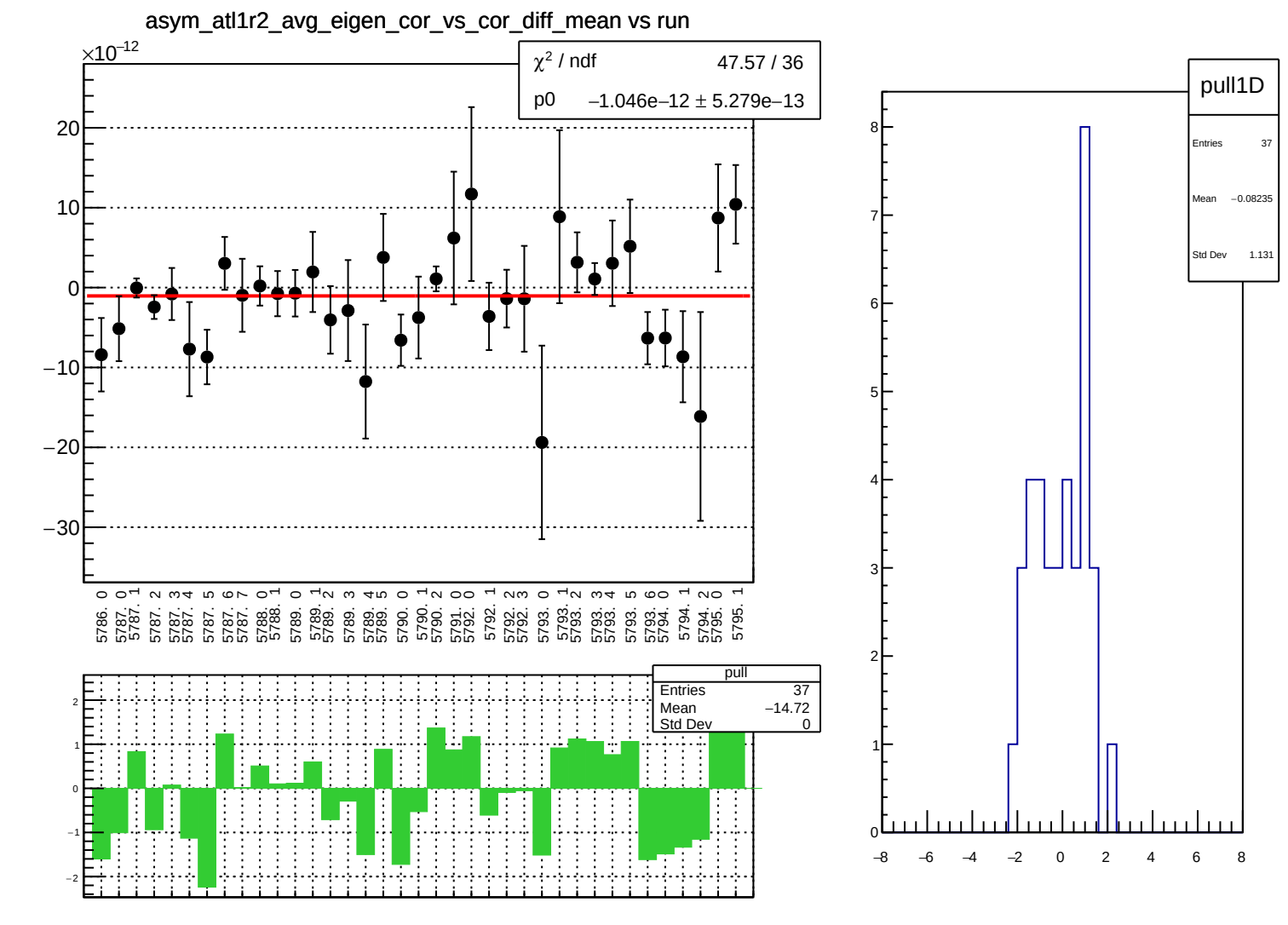

asym_atl1r2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3755 / 36
p0 0.0117 ± 1.351e−05
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

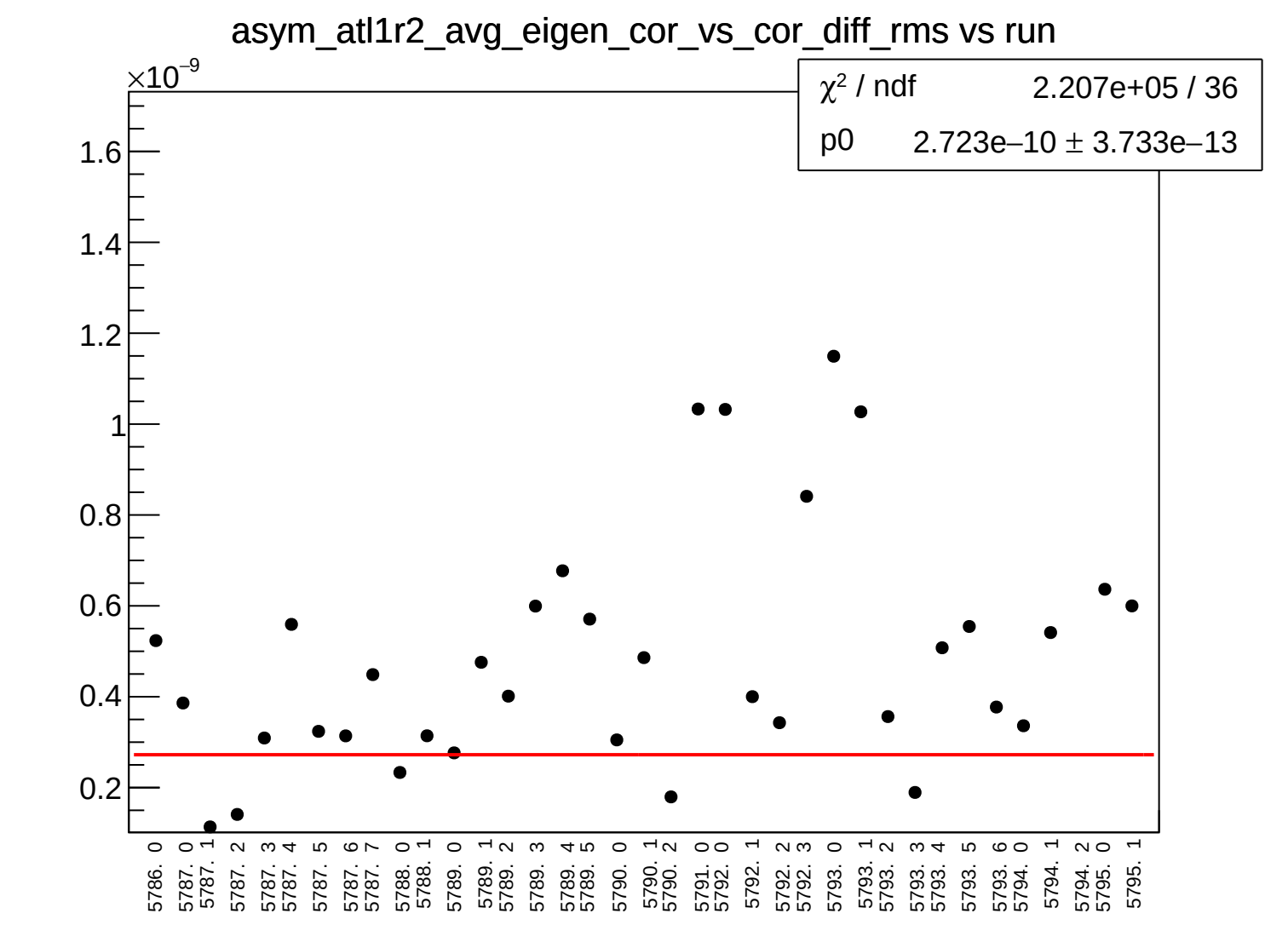

asym_atl1r2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.6023 ± 0.4013
20
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.486
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.09012
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

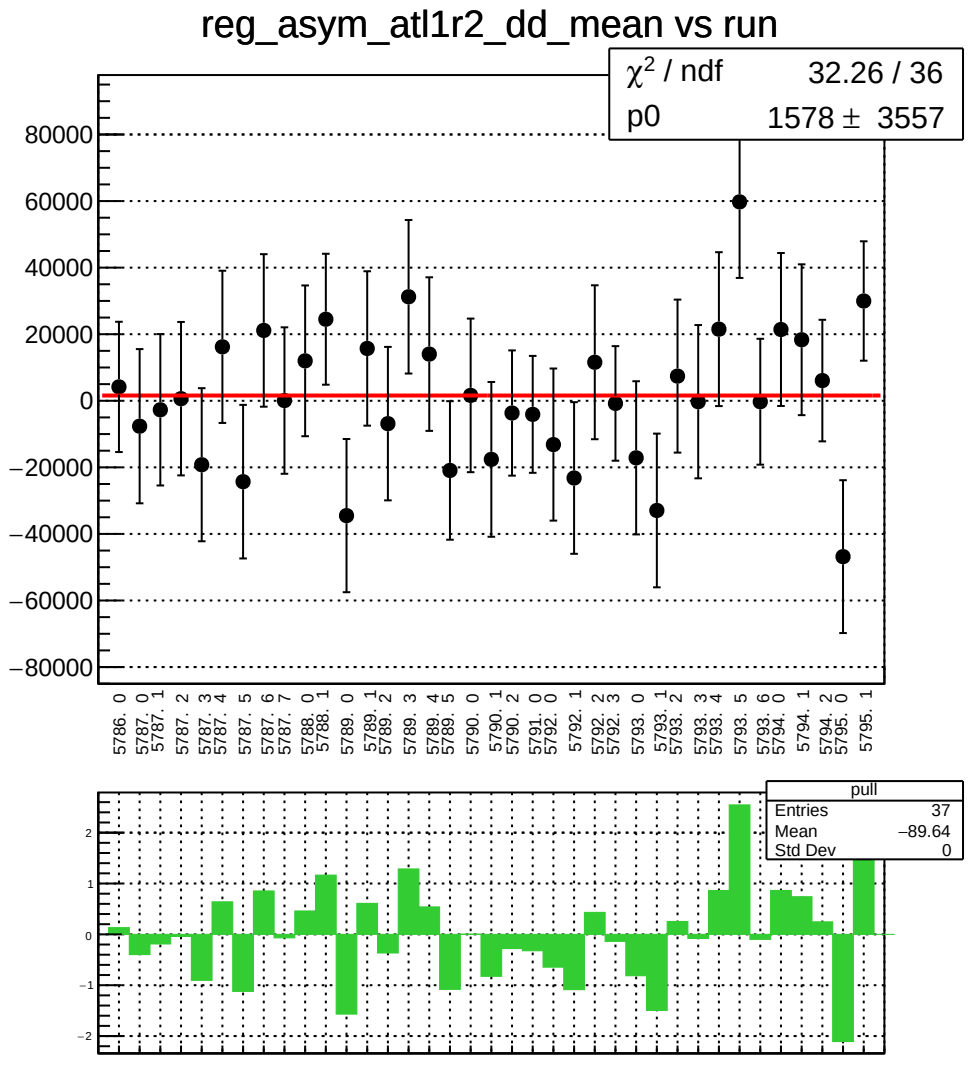

asym_atl1r2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.342e+04 / 36
p0 240.7 ± 0.2837
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

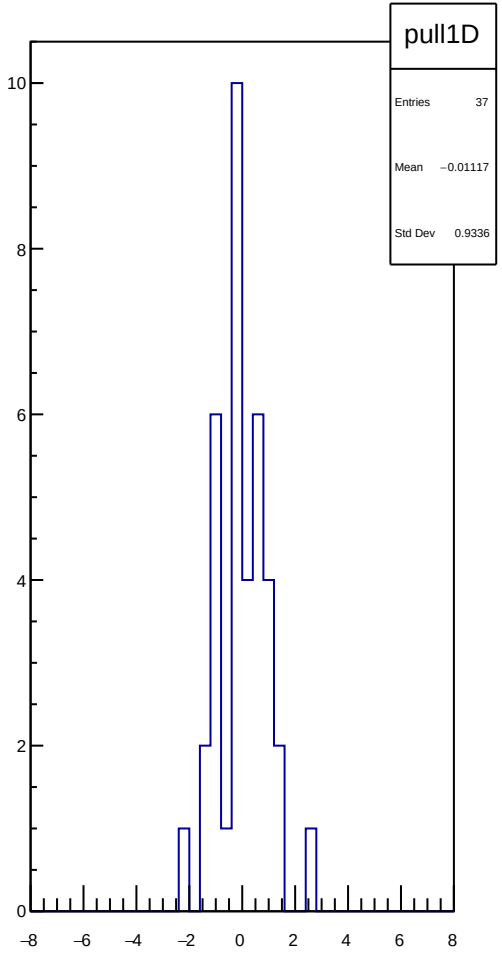

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.79 / 36
p0 0.6023 ± 0.4013
20
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.486
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.09012
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

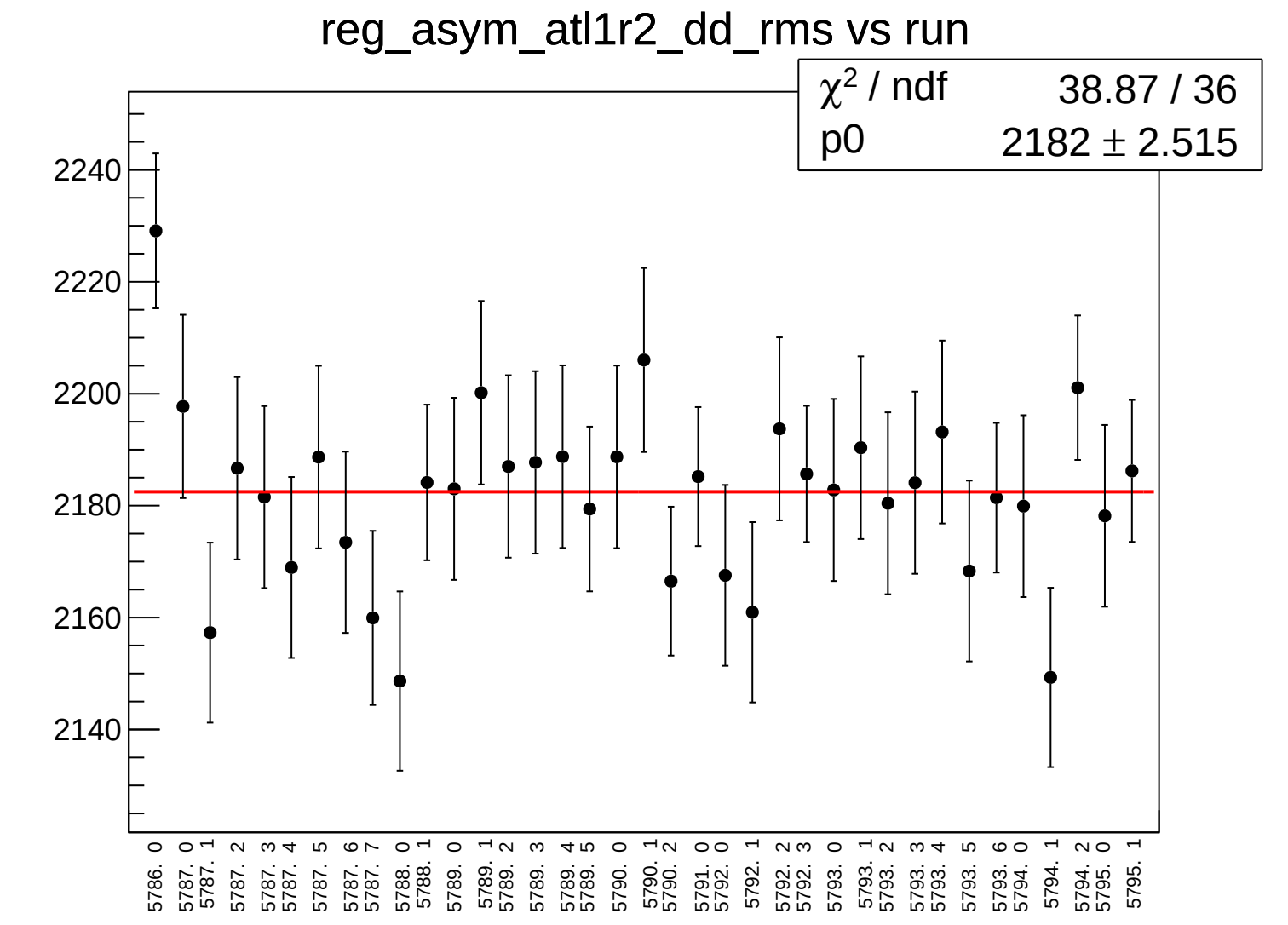

asym_atl1r2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.342e+04 / 36
p0 240.7 ± 0.2837
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

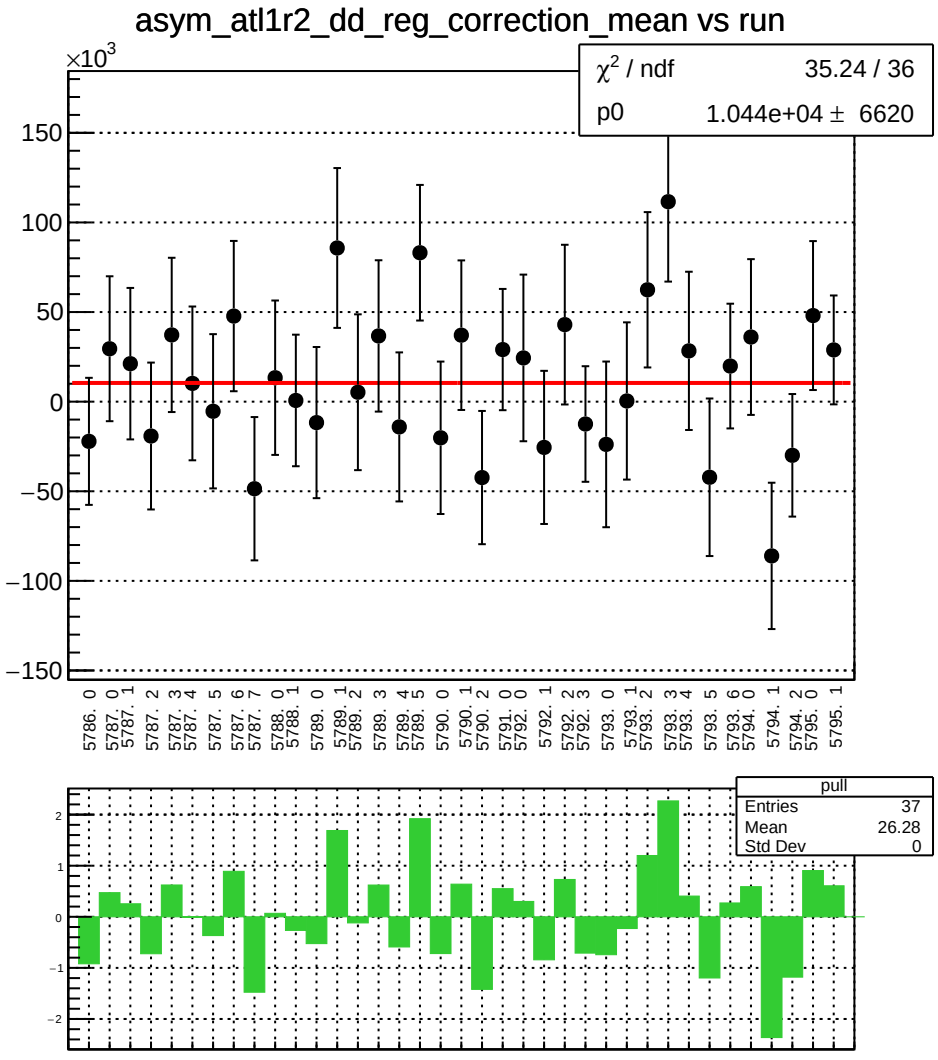

asym_atl1r2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 47.57 / 36
p0 −1.046e−12 ± 5.279e−13
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.72
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.08235
Std Dev 1.131
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

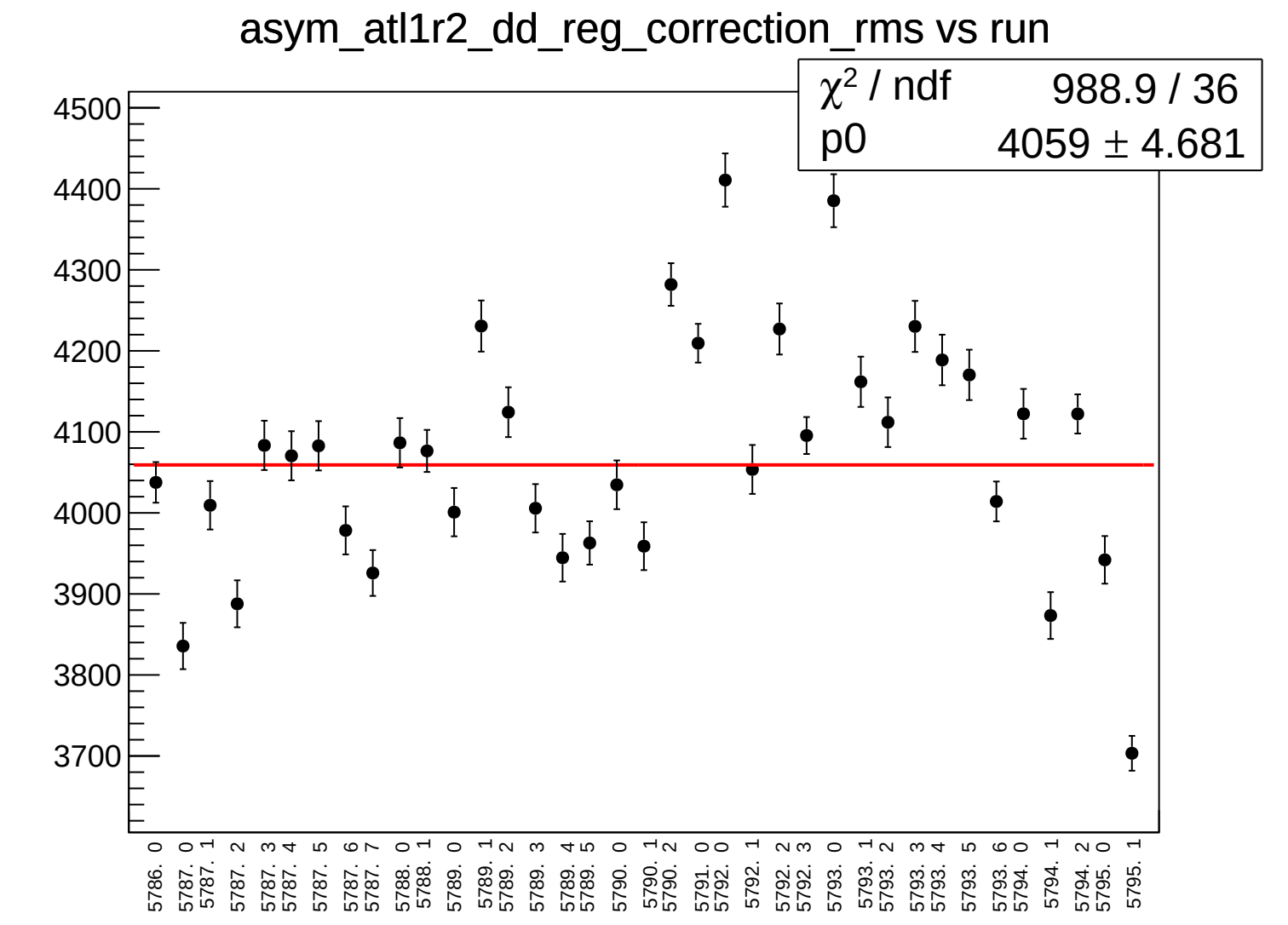

asym_atl1r2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.207e+05 / 36
p0 2.723e−10 ± 3.733e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

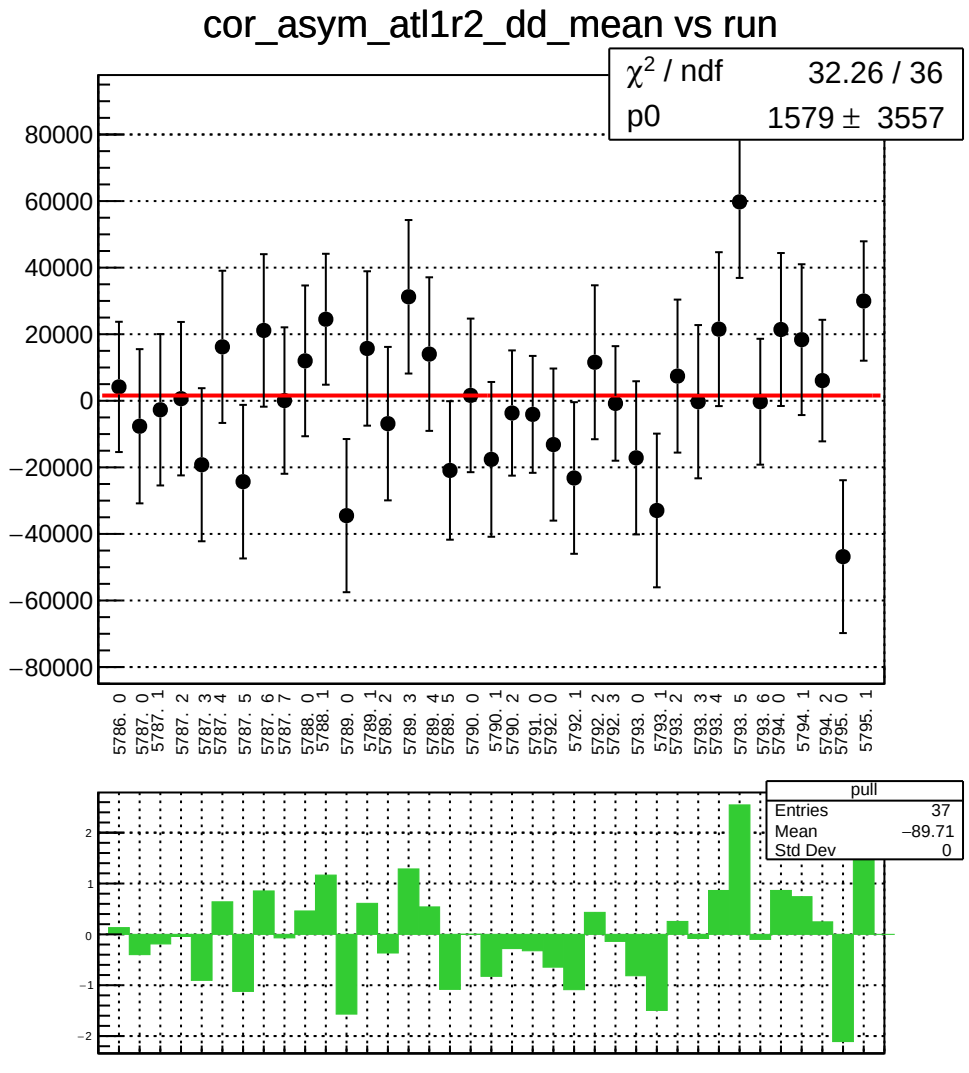

reg_asym_atl1r2_dd_mean vs run
χ² / ndf 32.26 / 36
p0 1578 ± 3557
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −89.64
Std Dev 0
2
1
0
−1
−2

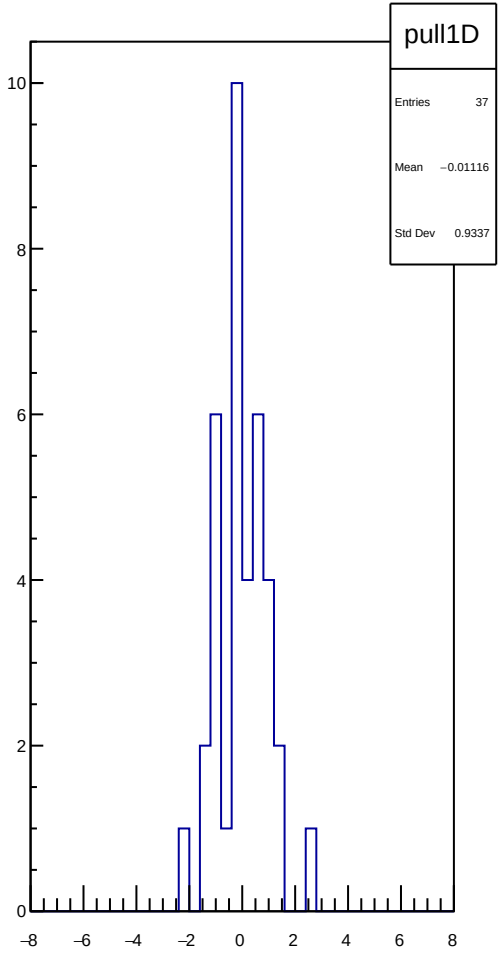

pull1D
Entries 37
Mean −0.01117
Std Dev 0.9336
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

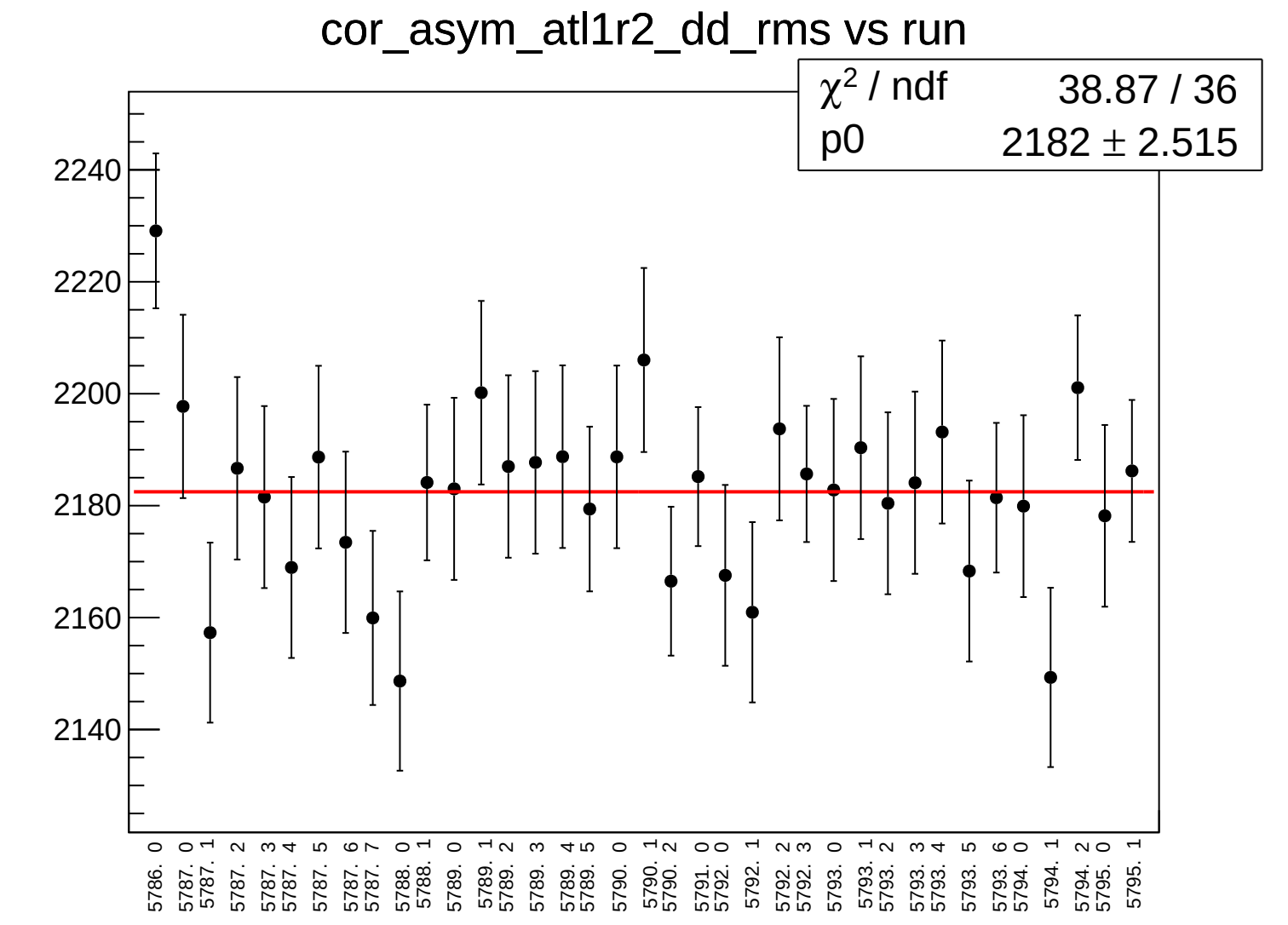

reg_asym_atl1r2_dd_rms vs run
χ² / ndf 38.87 / 36
p0 2182 ± 2.515
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

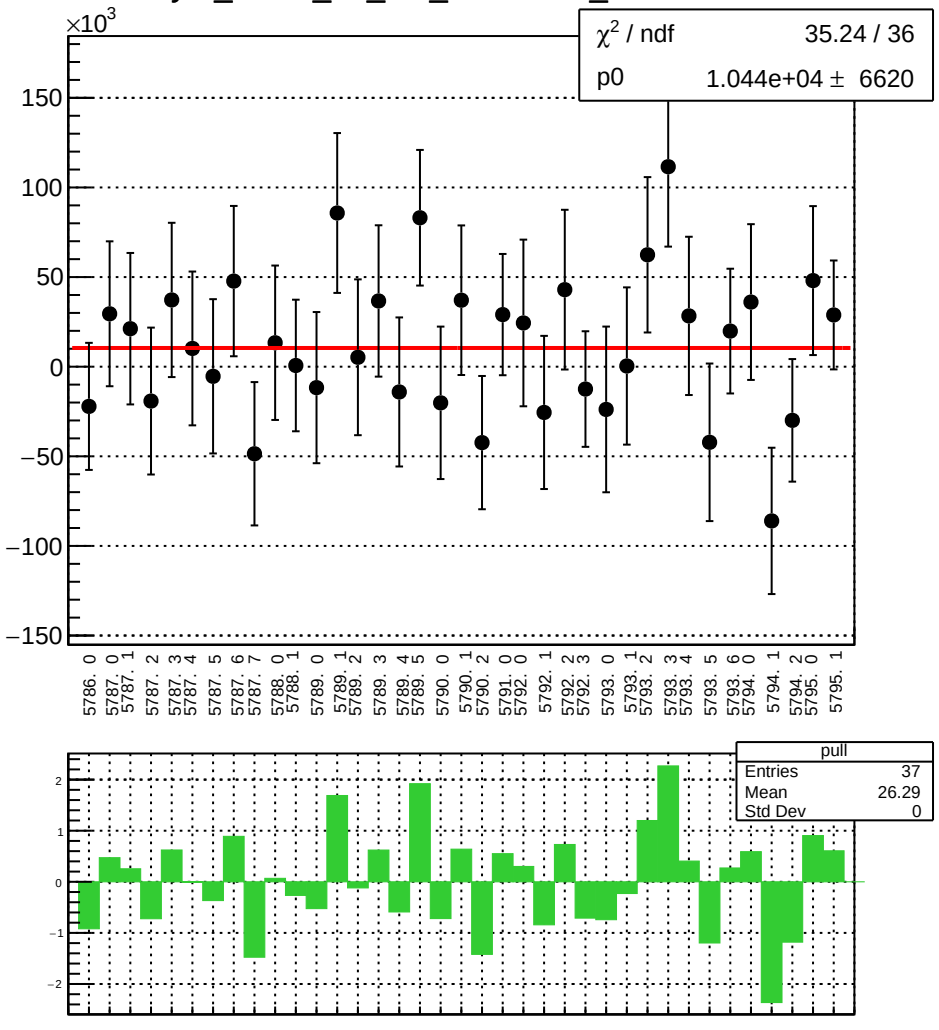

asym_atl1r2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 35.24 / 36
p0 1.044e+04 ± 6620
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01641
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

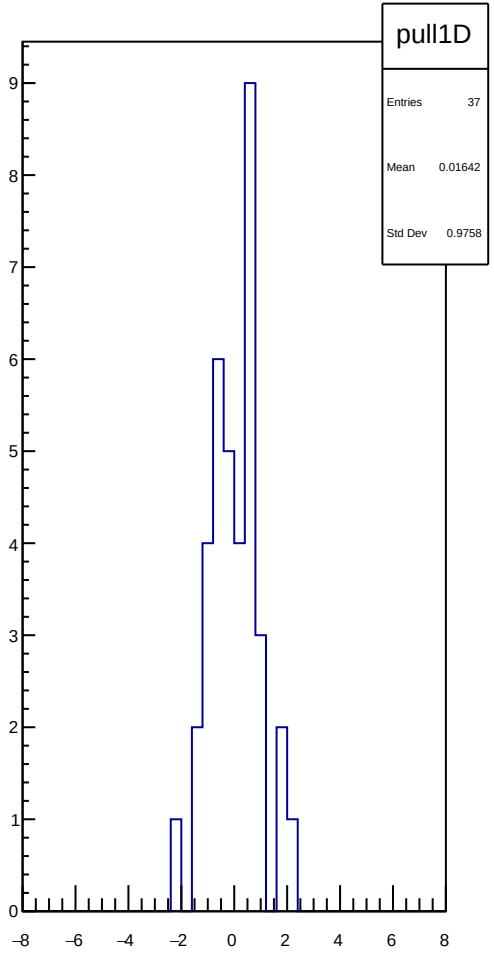

asym_atl1r2_dd_reg_correction_rms vs run
χ² / ndf 988.9 / 36
p0 4059 ± 4.681
4500
4400
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

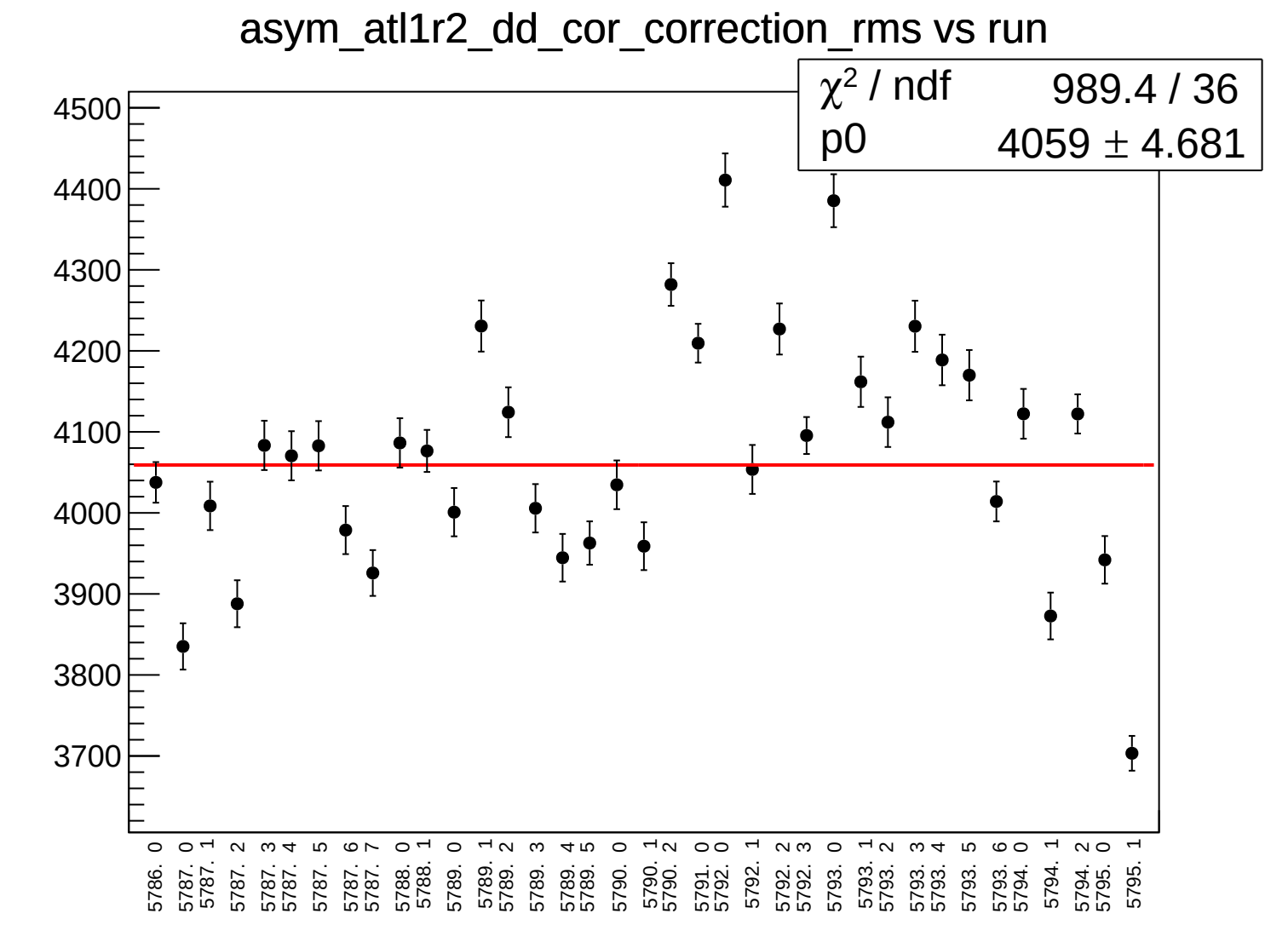

cor_asym_atl1r2_dd_mean vs run
χ² / ndf 32.26 / 36
p0 1579 ± 3557
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −89.71
Std Dev 0
2
1
0
−1
−2

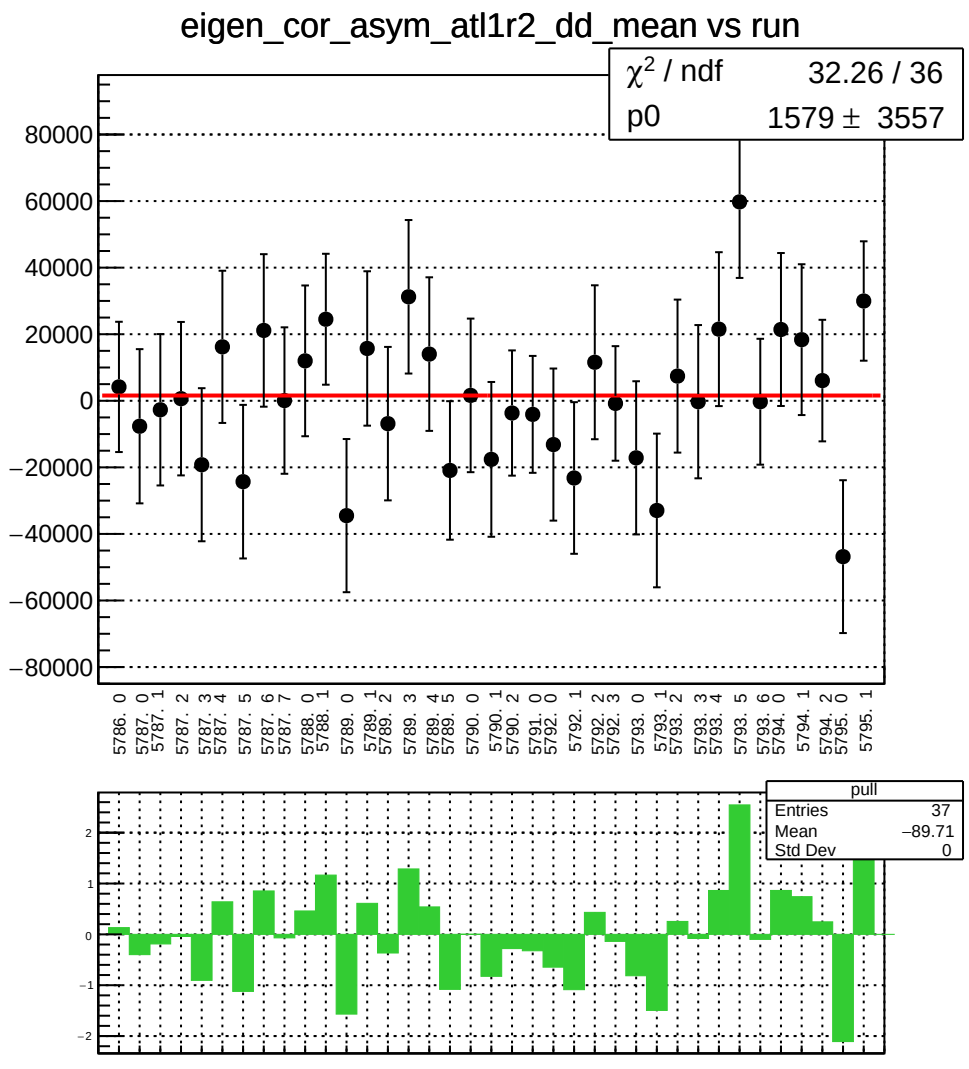

pull1D
Entries 37
Mean −0.01116
Std Dev 0.9337
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

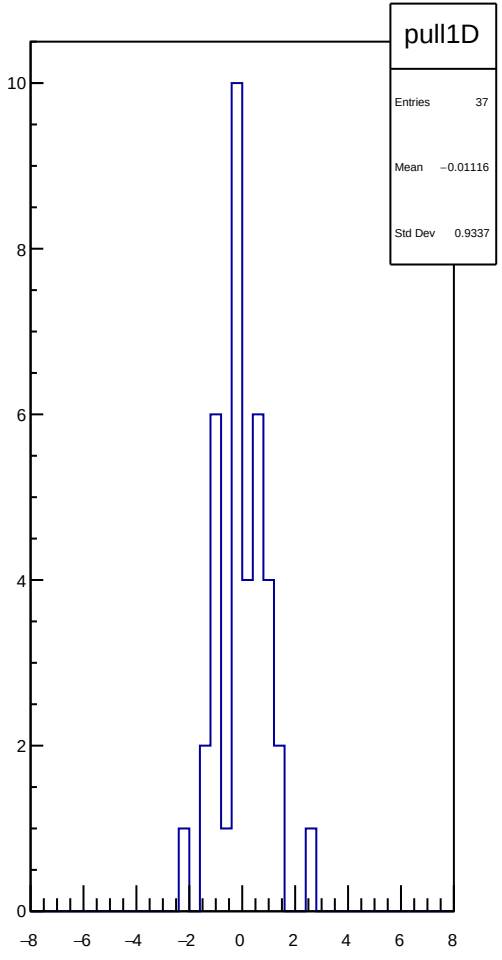

cor_asym_atl1r2_dd_rms vs run
χ² / ndf 38.87 / 36
p0 2182 ± 2.515
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

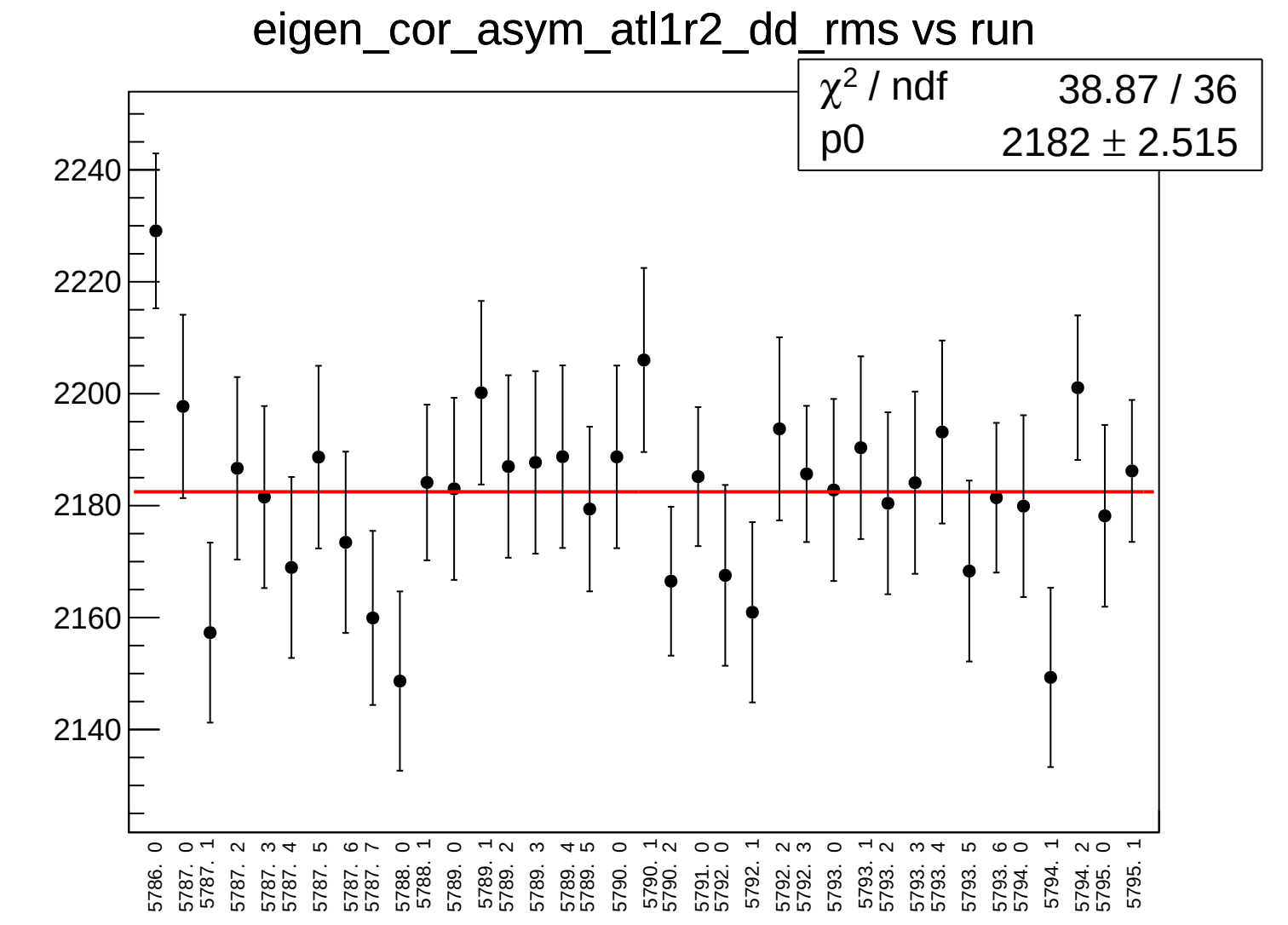

asym_atl1r2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 35.24 / 36
p0 1.044e+04 ± 6620
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.29
Std Dev 0
2
1
0
−1
−2

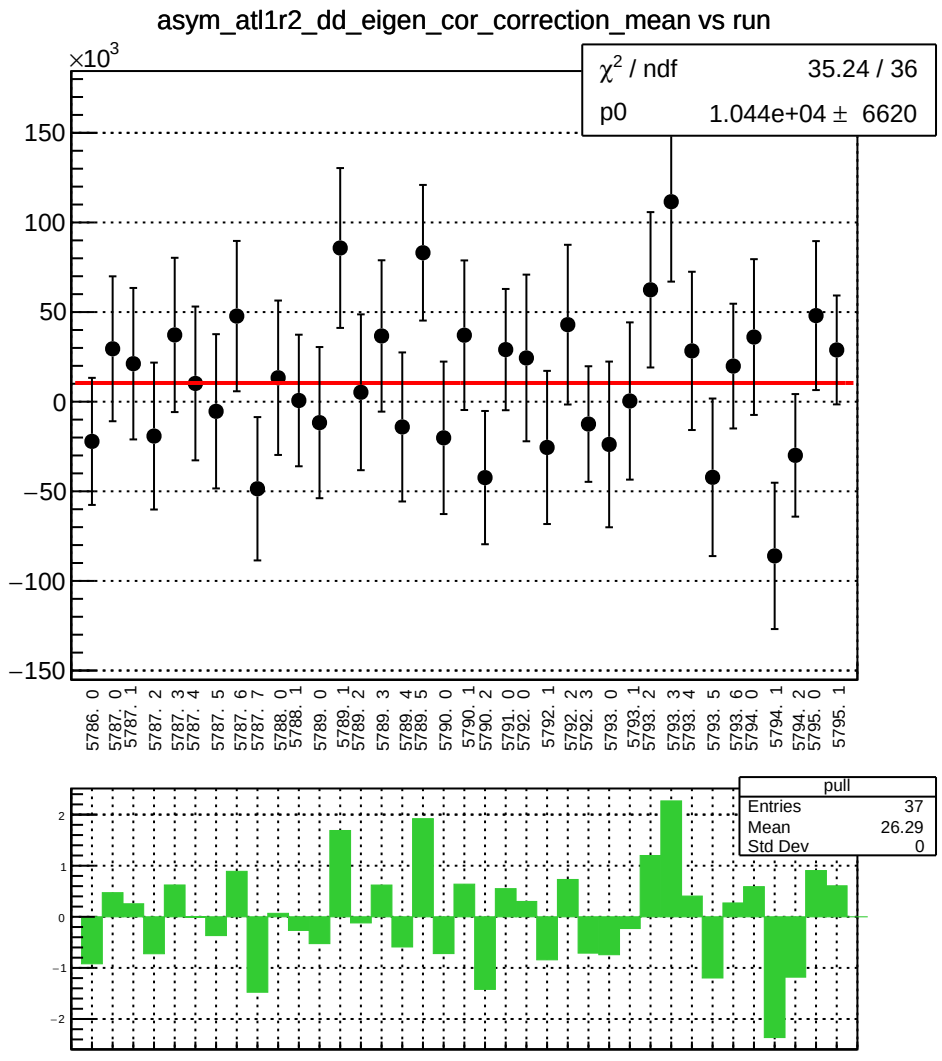

pull1D
Entries 37
Mean 0.01642
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

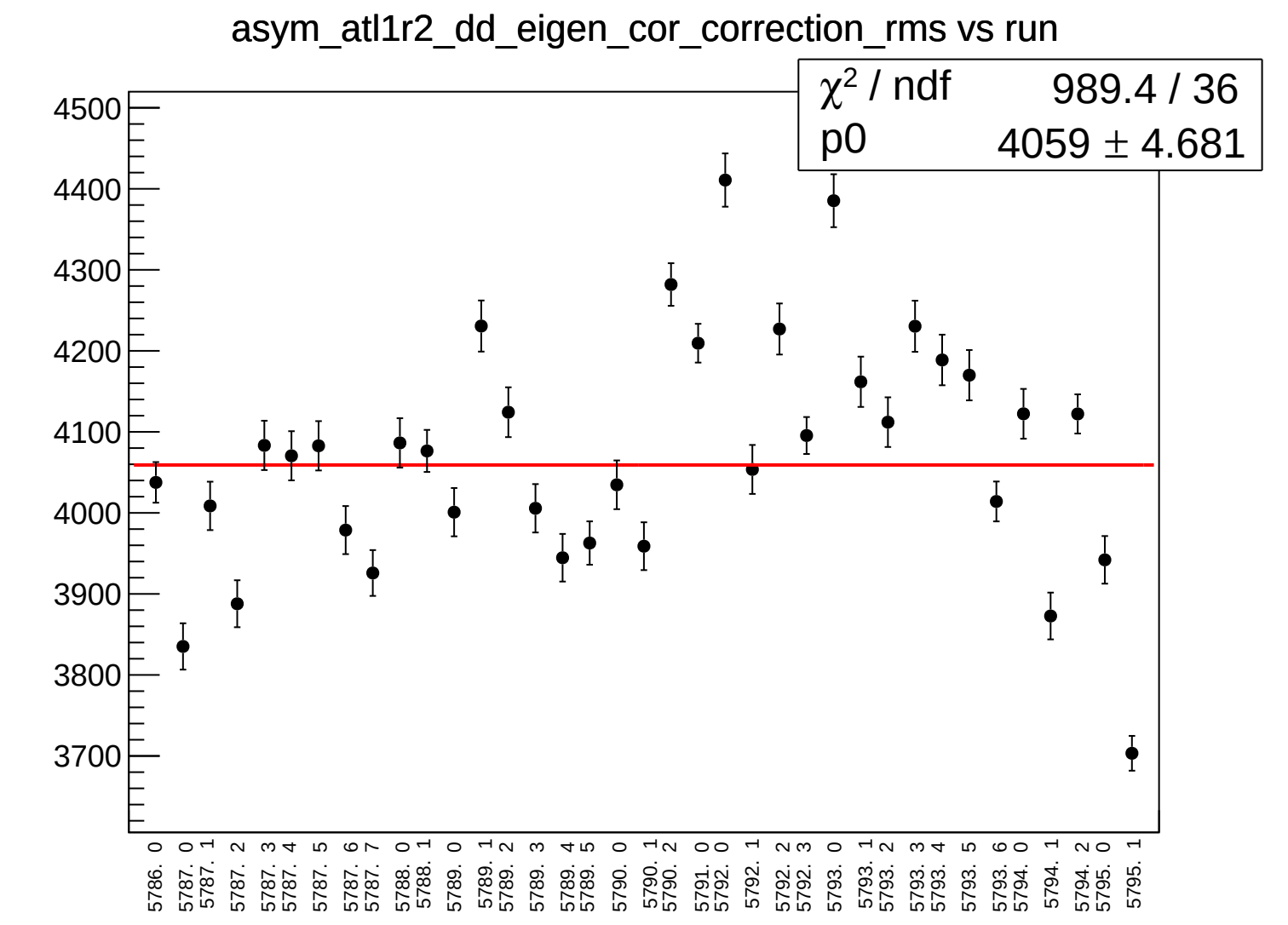

asym_atl1r2_dd_cor_correction_rms vs run
χ² / ndf 989.4 / 36
p0 4059 ± 4.681
4500
4400
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

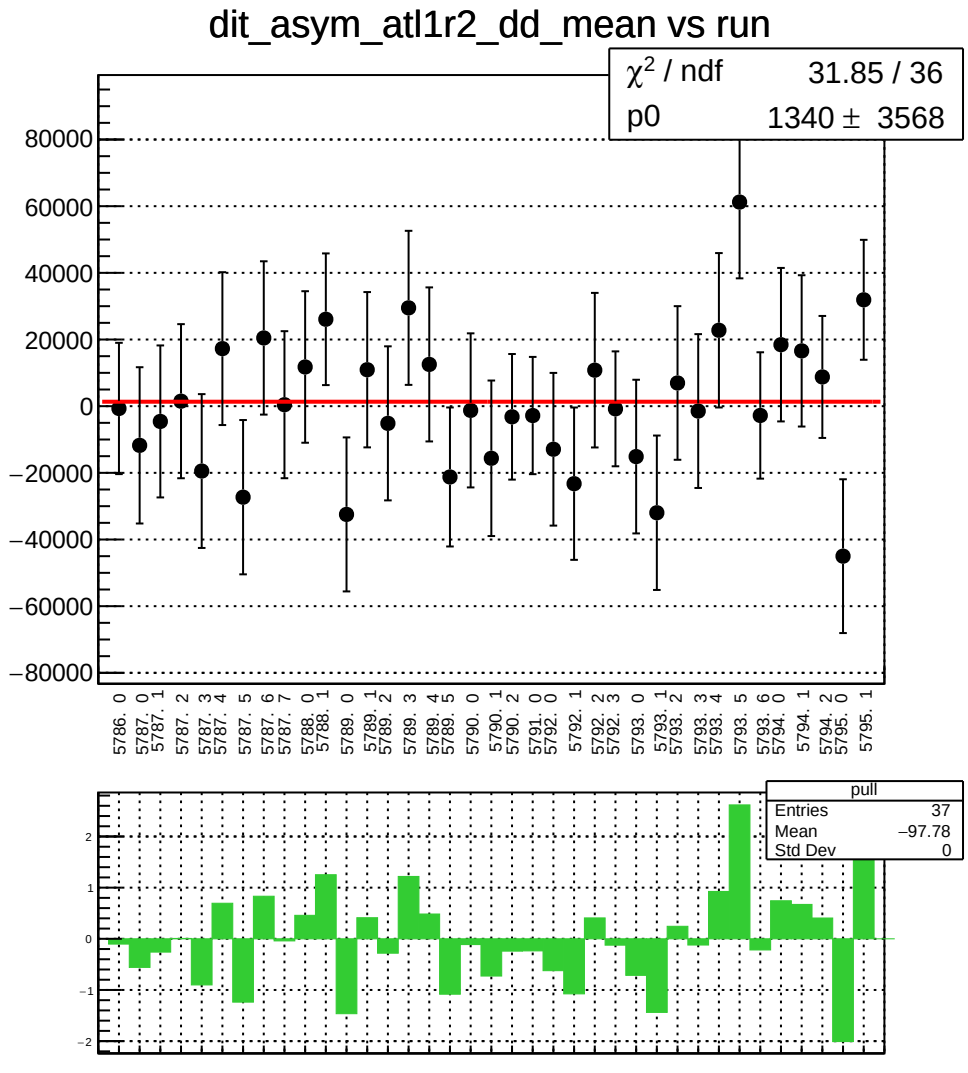

eigen_cor_asym_atl1r2_dd_mean vs run
χ² / ndf 32.26 / 36
p0 1579 ± 3557
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −89.71
Std Dev 0
2
1
0
−1
−2

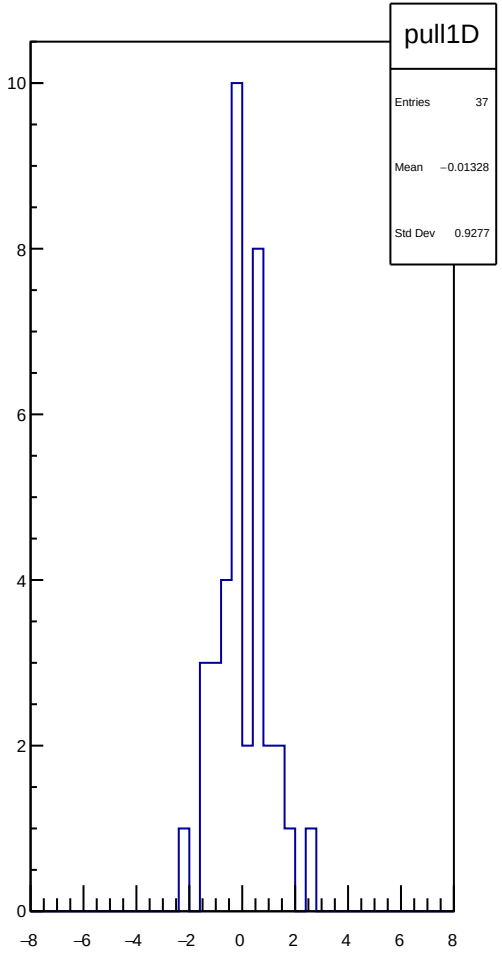

pull1D
Entries 37
Mean −0.01116
Std Dev 0.9337
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

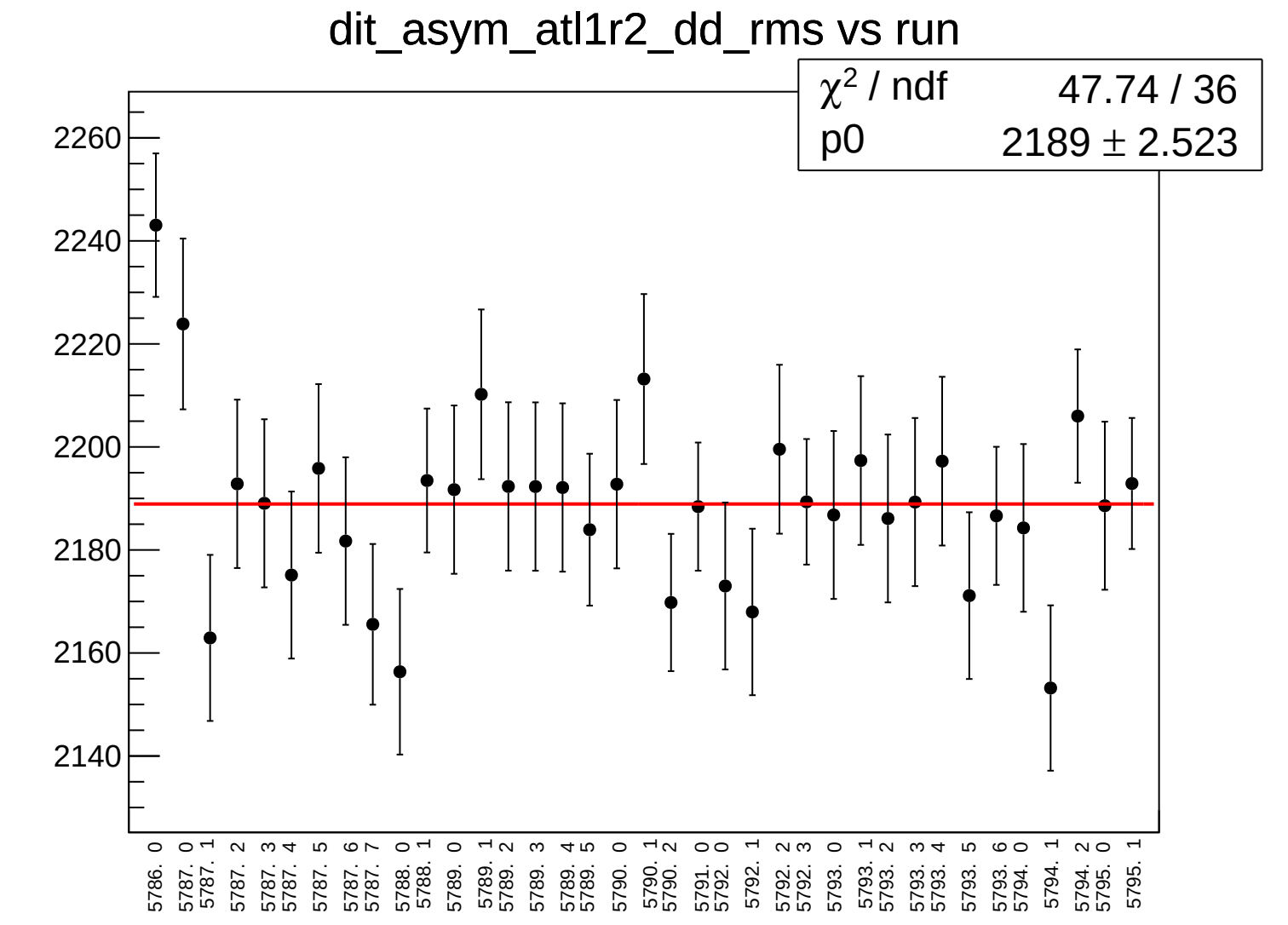

eigen_cor_asym_atl1r2_dd_rms vs run
χ² / ndf 38.87 / 36
p0 2182 ± 2.515
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

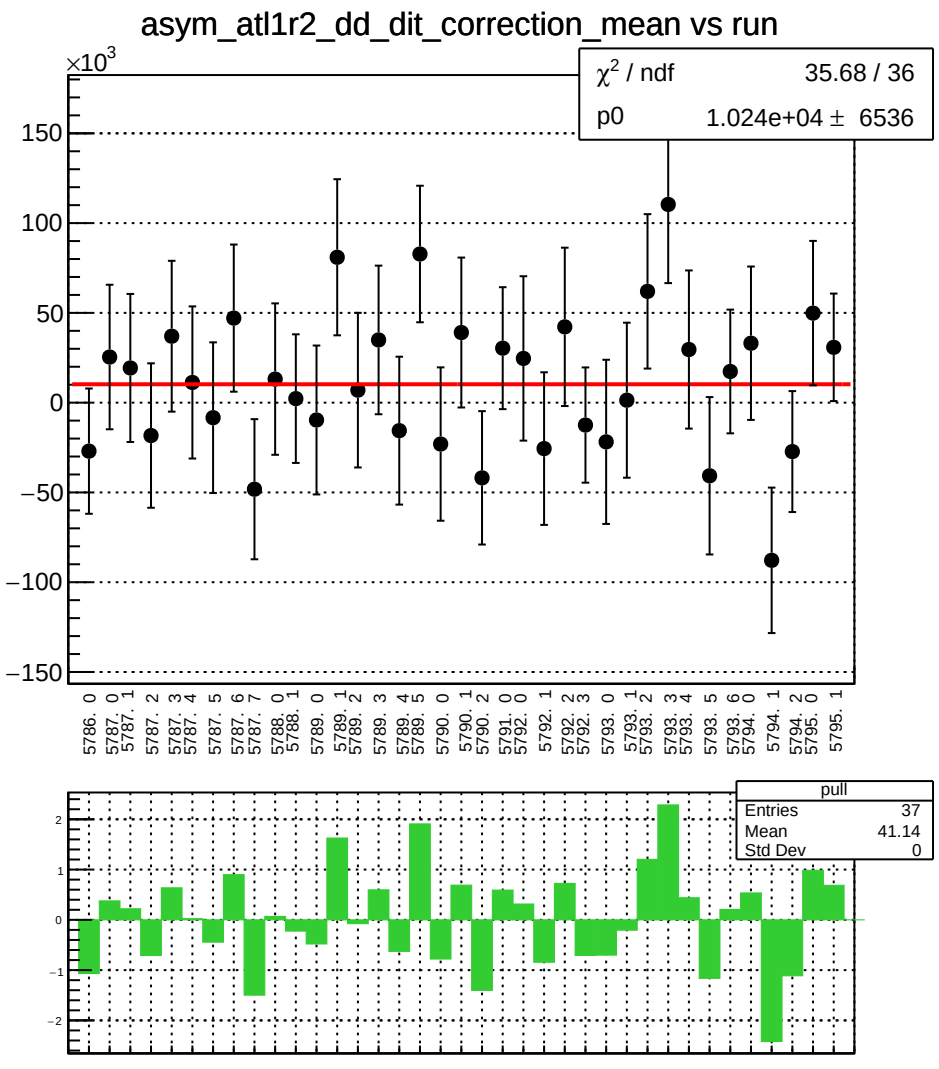

asym_atl1r2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.24 / 36
p0 1.044e+04 ± 6620
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.29
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01642
Std Dev 0.9758
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

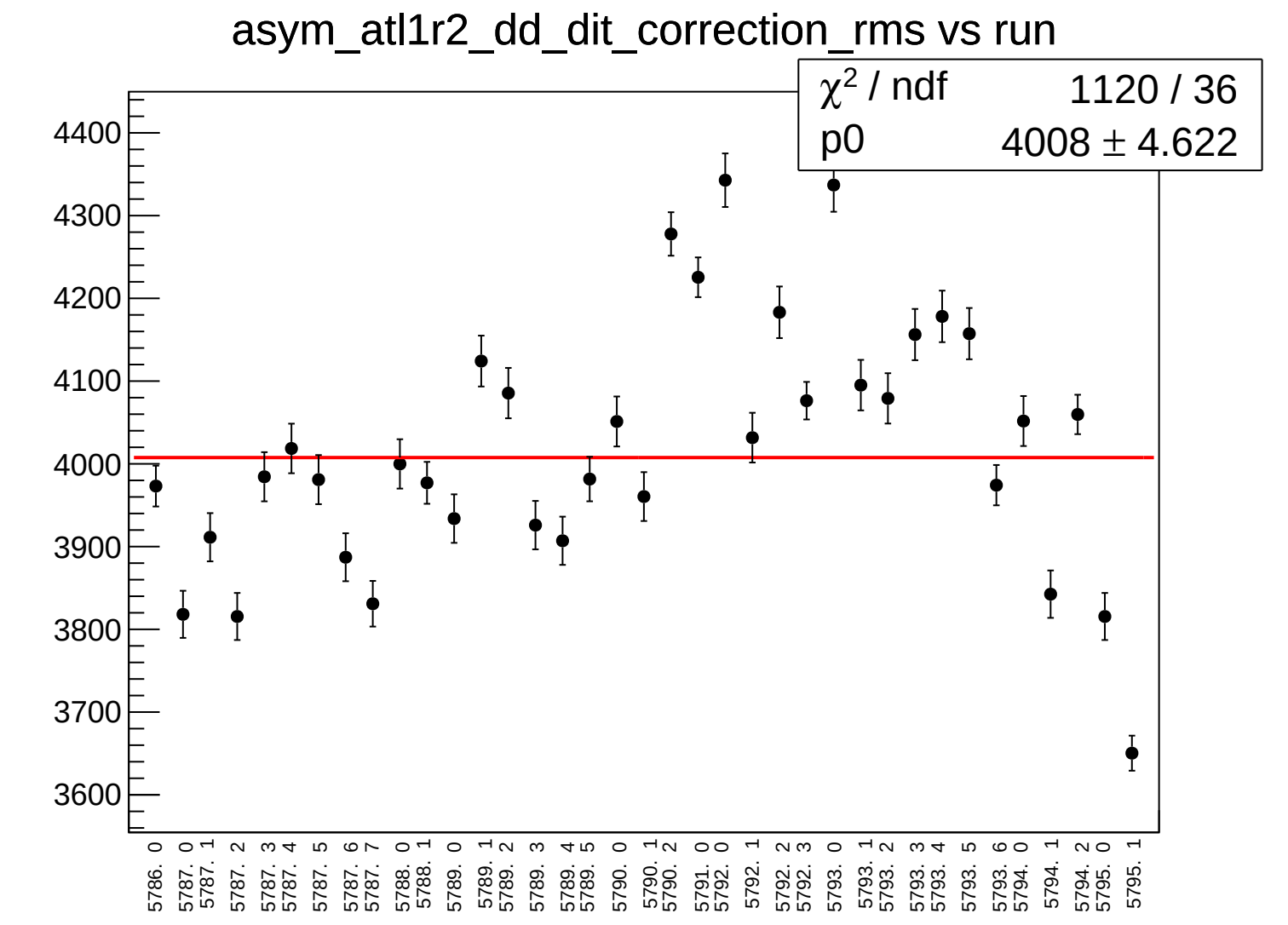

asym_atl1r2_dd_eigen_cor_correction_rms vs run
χ² / ndf 989.4 / 36
p0 4059 ± 4.681
4500
4400
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

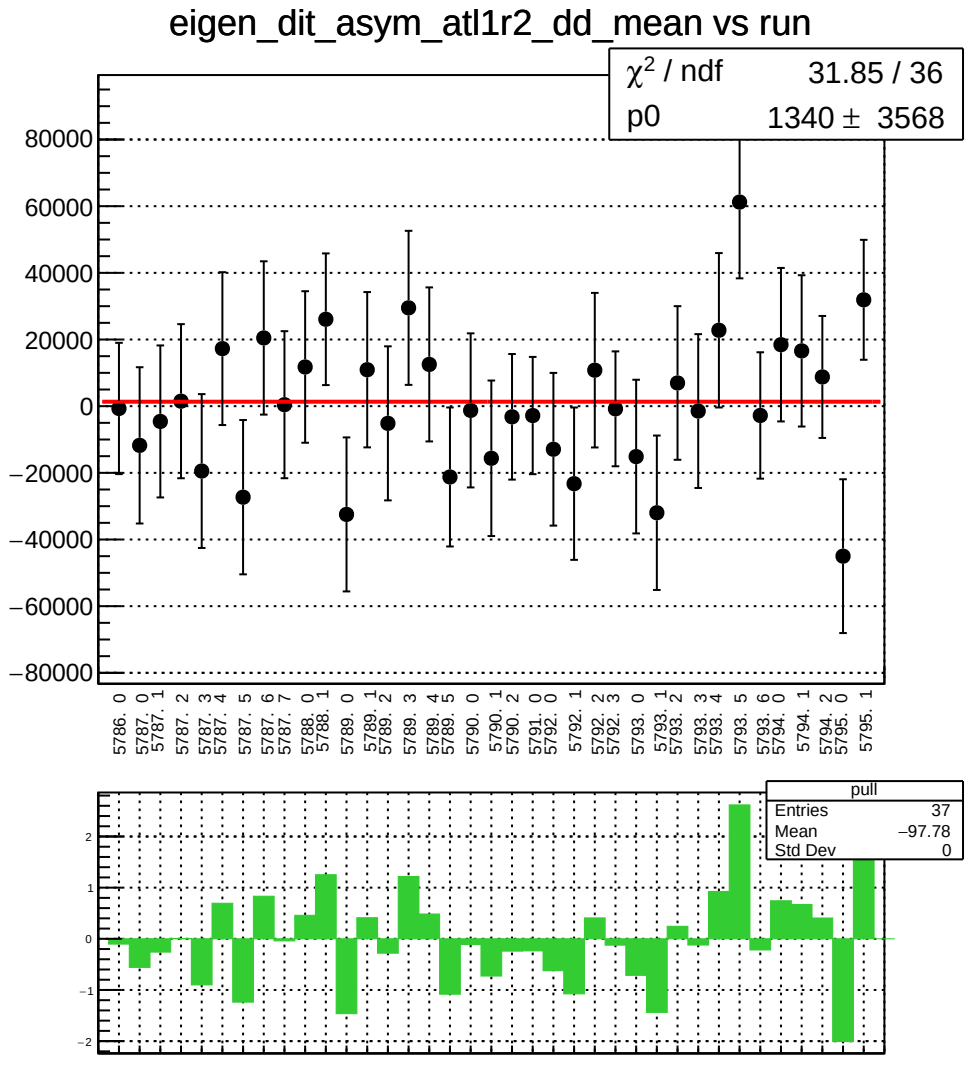

dit_asym_atl1r2_dd_mean vs run
χ² / ndf 31.85 / 36
p0 1340 ± 3568
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.78
Std Dev 0
2
1
0
−1
−2

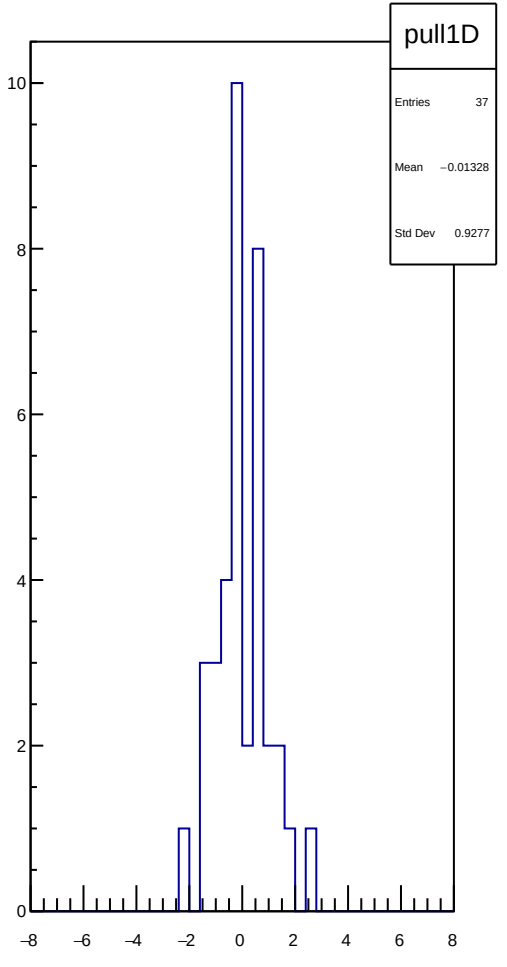

pull1D
Entries 37
Mean −0.01328
Std Dev 0.9277
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

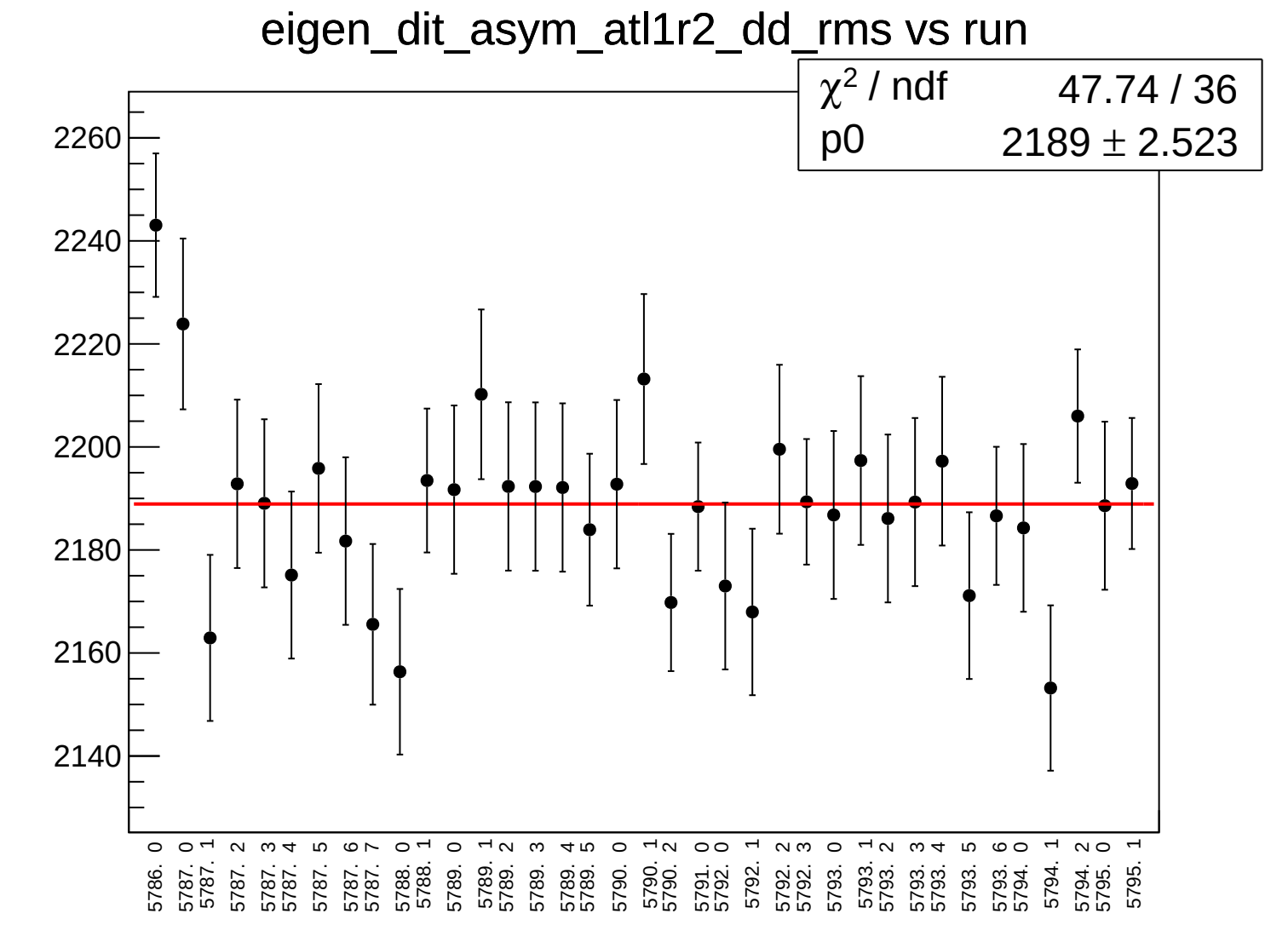

dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.74 / 36
p0 2189 ± 2.523
2260
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

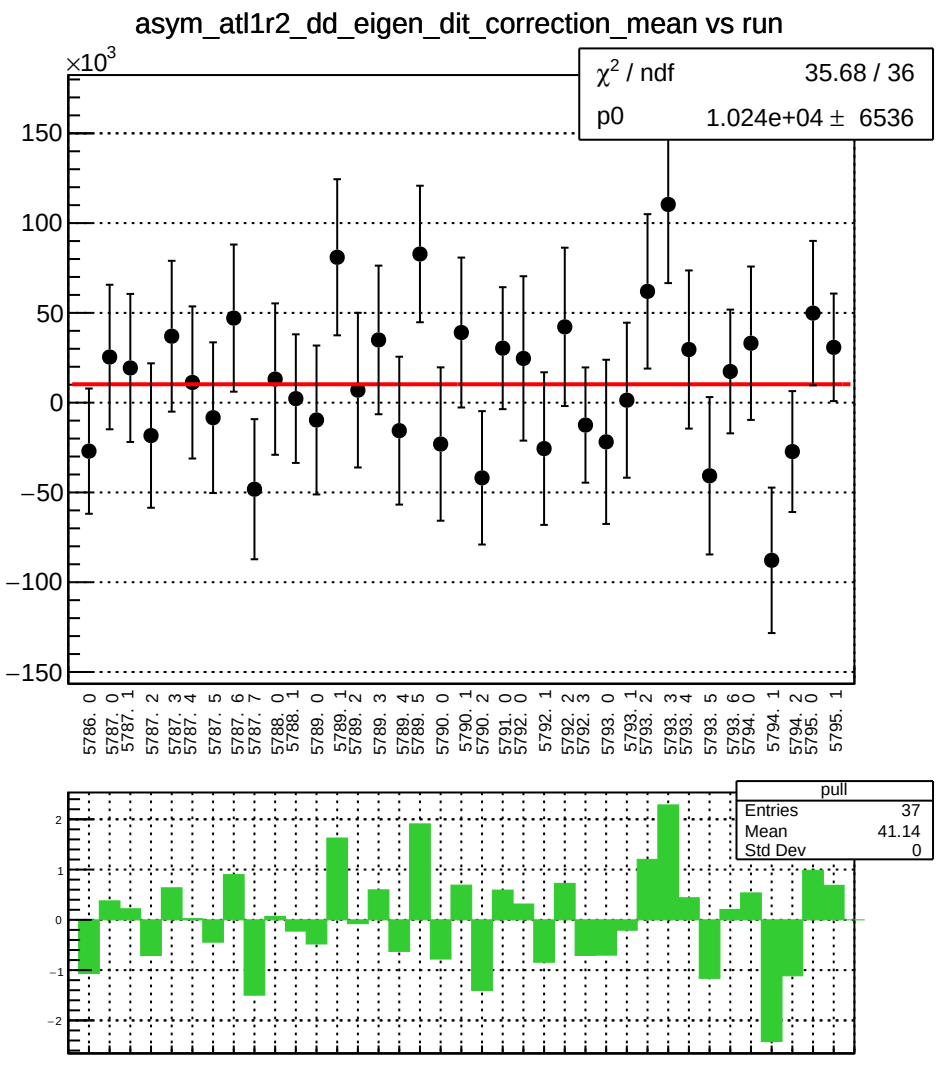

asym_atl1r2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.68 / 36
p0 1.024e+04 ± 6536
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.14
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01509
Std Dev 0.9819
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

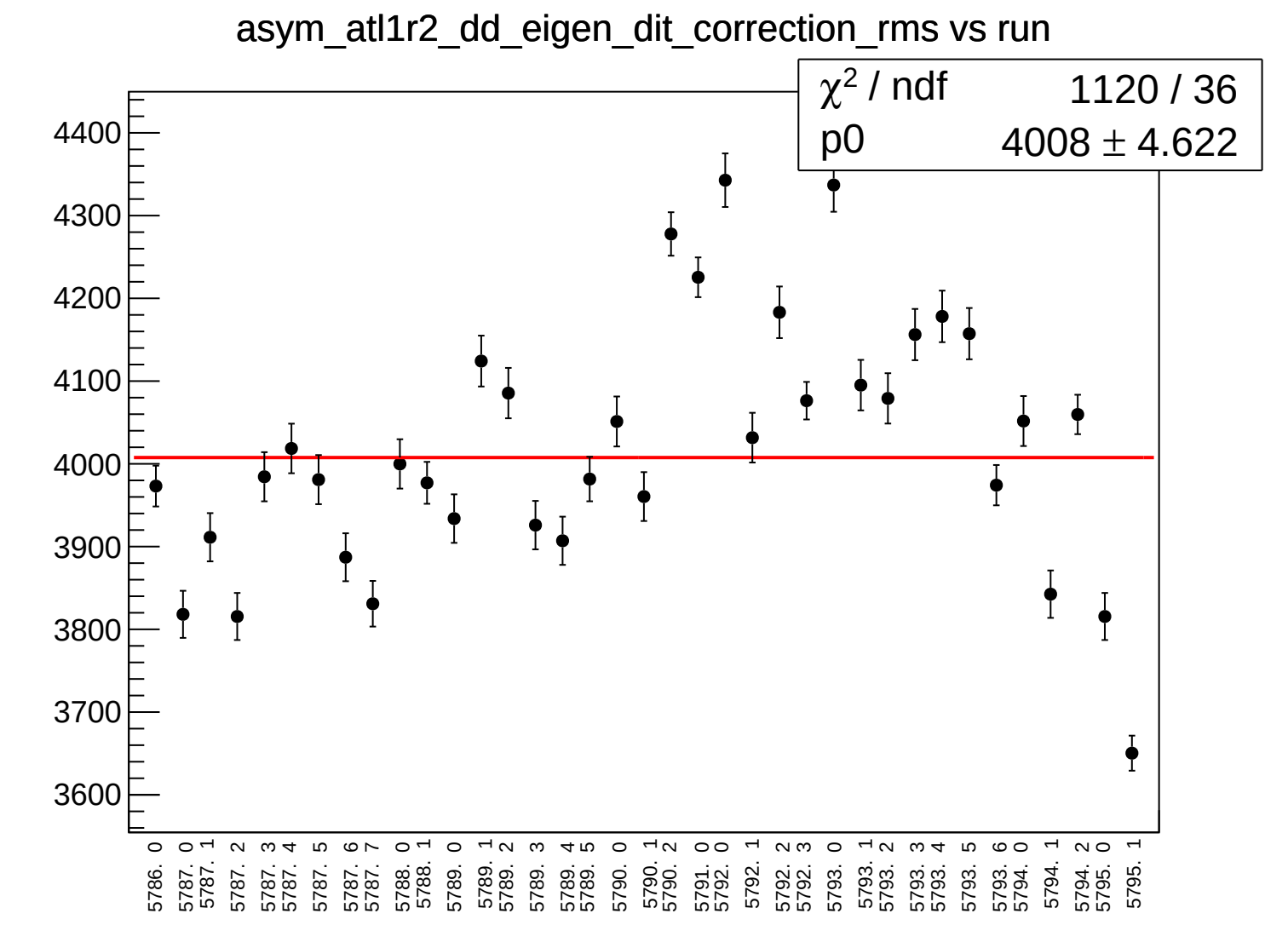

asym_atl1r2_dd_dit_correction_rms vs run
χ² / ndf 1120 / 36
p0 4008 ± 4.622
4400
4300
4200
4100
4000
3900
3800
3700
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

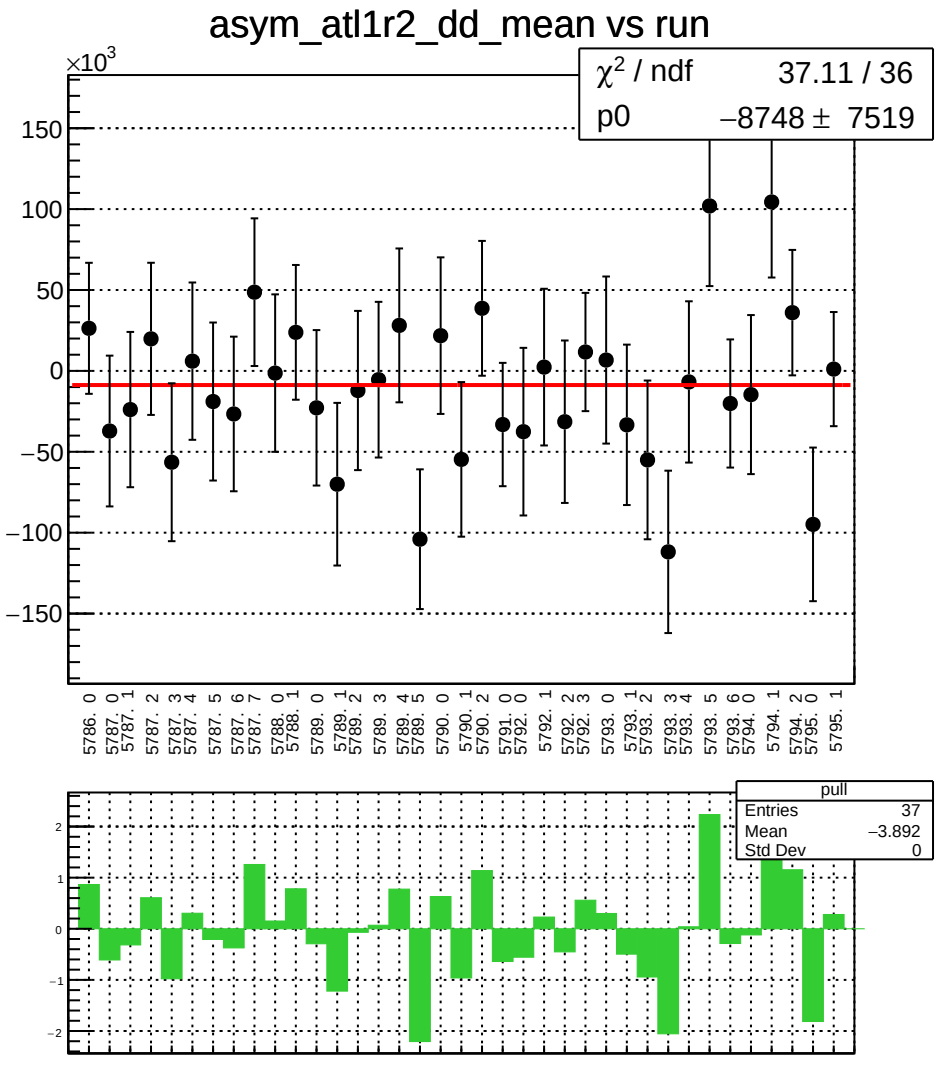

eigen_dit_asym_atl1r2_dd_mean vs run
χ² / ndf 31.85 / 36
p0 1340 ± 3568
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.78
Std Dev 0
2
1
0
−1
−2

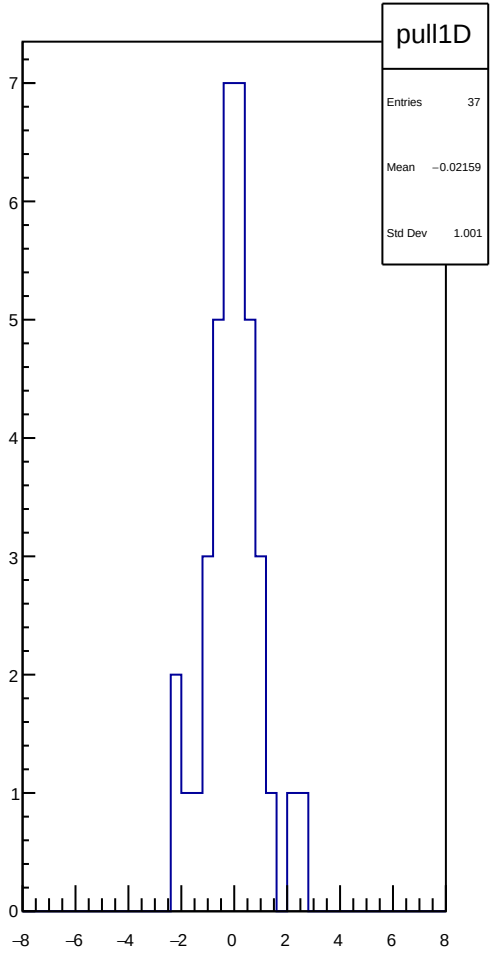

pull1D
Entries 37
Mean −0.01328
Std Dev 0.9277
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

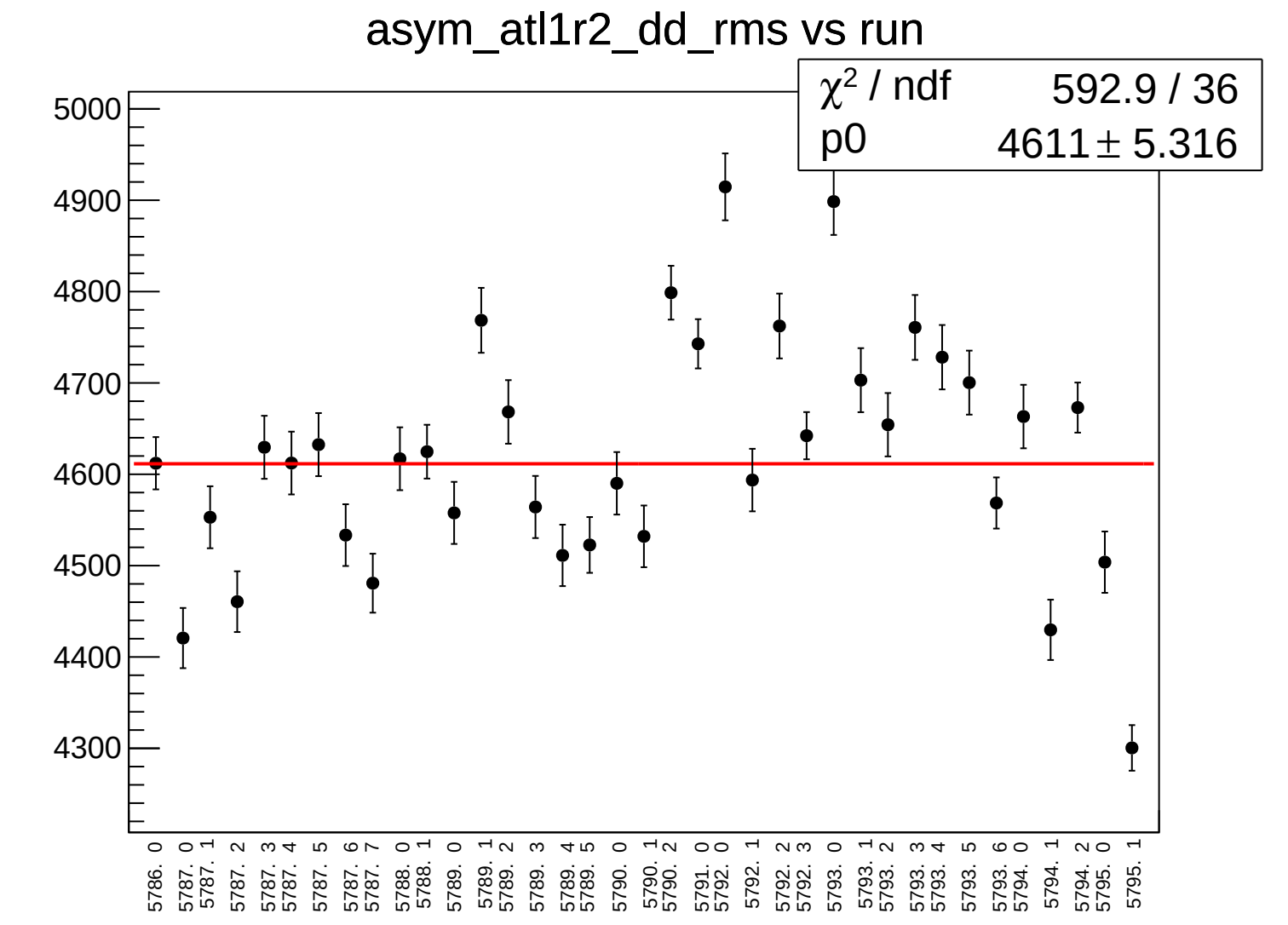

eigen_dit_asym_atl1r2_dd_rms vs run
χ² / ndf 47.74 / 36
p0 2189 ± 2.523
2260
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

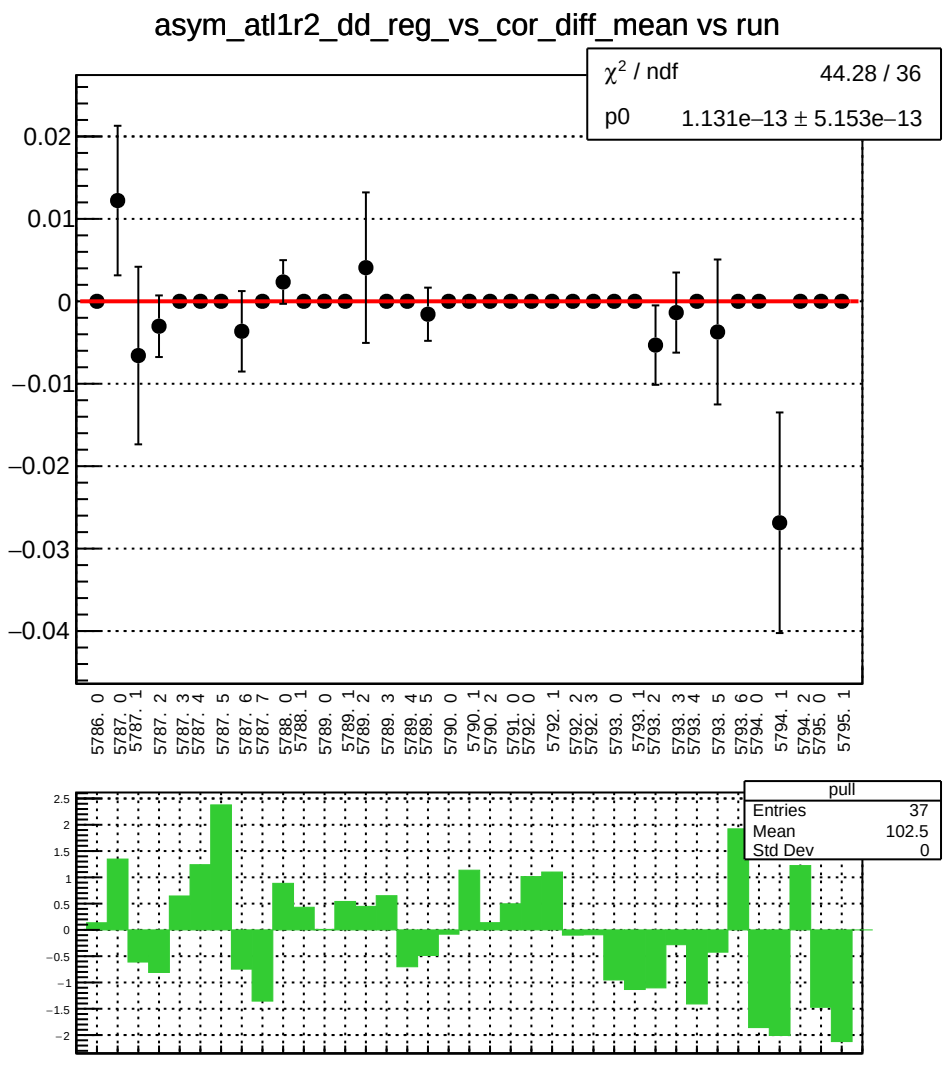

asym_atl1r2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.68 / 36
p0 1.024e+04 ± 6536
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.14
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01509
Std Dev 0.9819
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

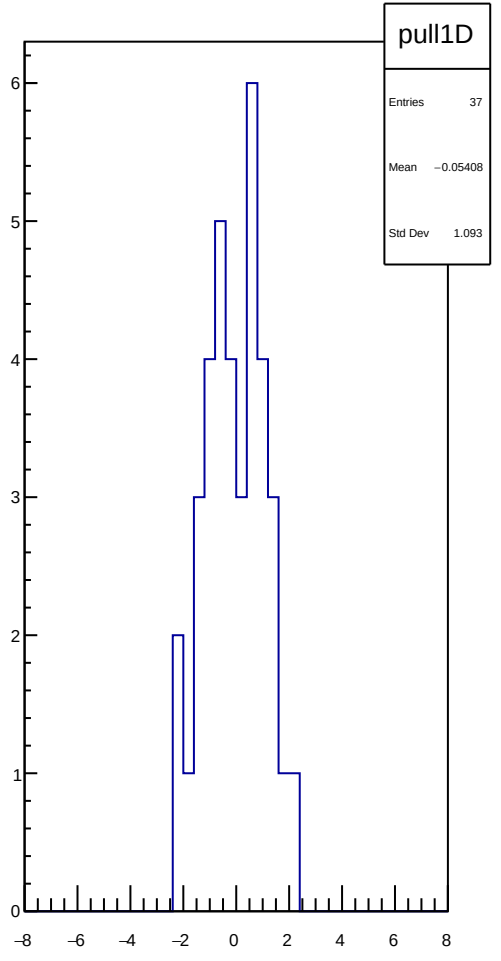

asym_atl1r2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1120 / 36
p0 4008 ± 4.622
4400
4300
4200
4100
4000
3900
3800
3700
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

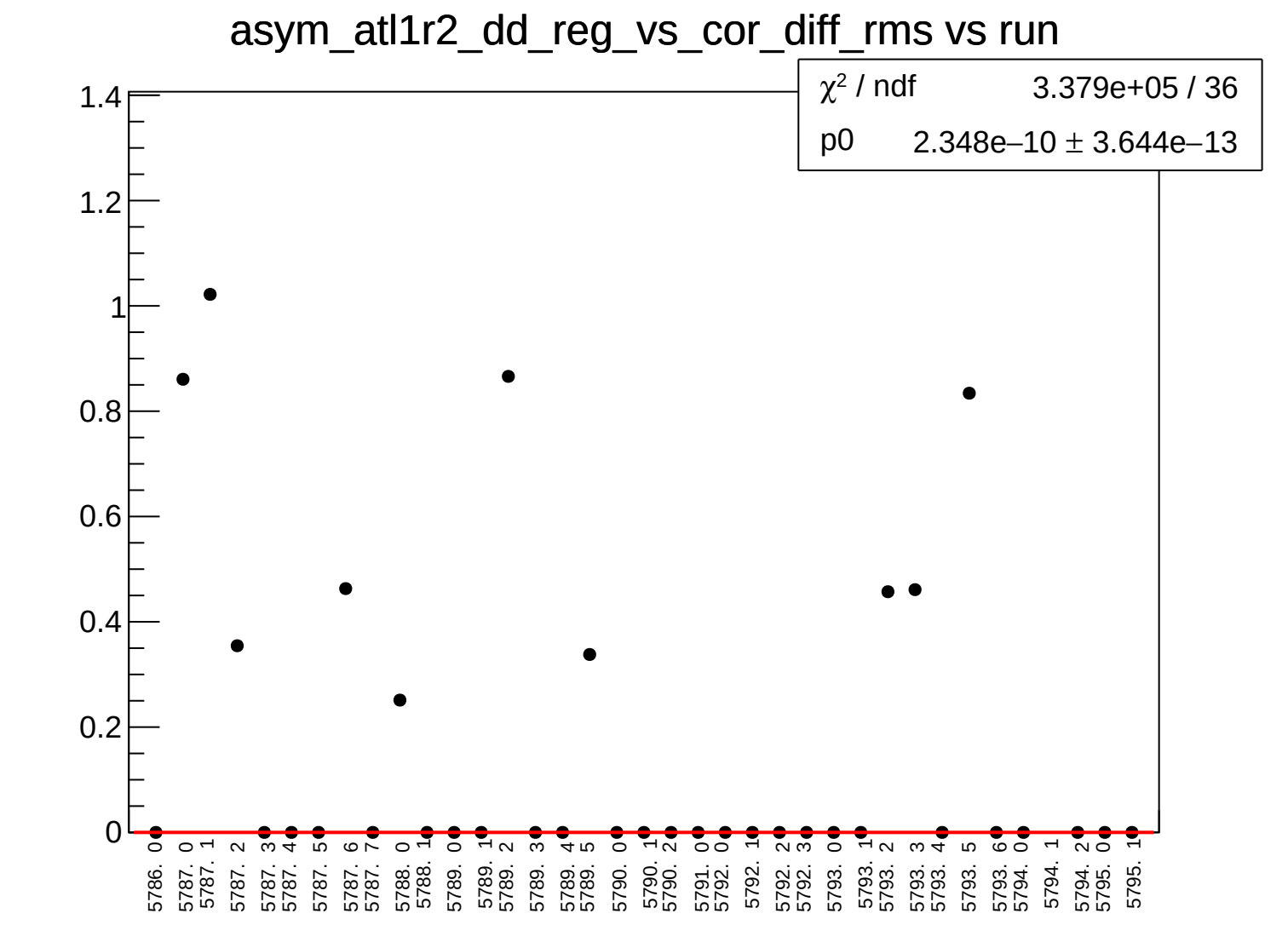

asym_atl1r2_dd_mean vs run
×10^3
χ² / ndf 37.11 / 36
p0 −8748 ± 7519
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.892
Std Dev 0
2
1
0
−1
−2

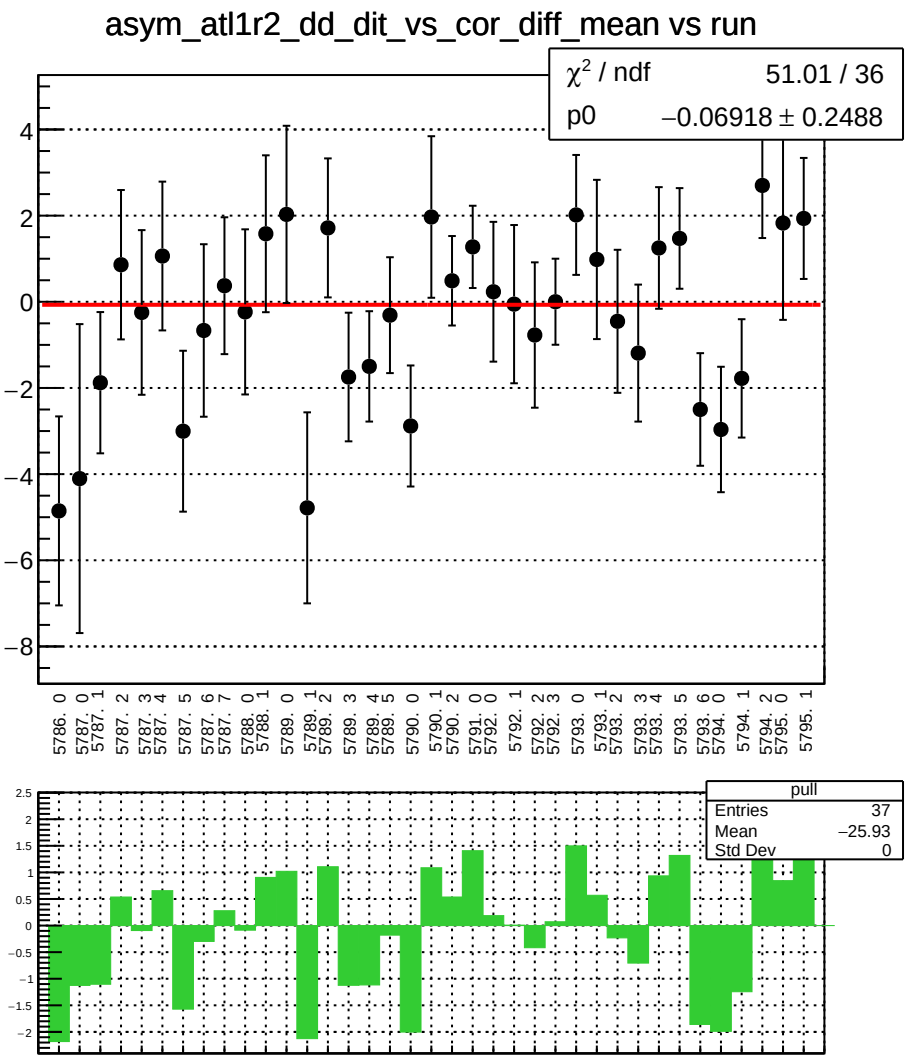

pull1D
Entries 37
Mean −0.02159
Std Dev 1.001
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

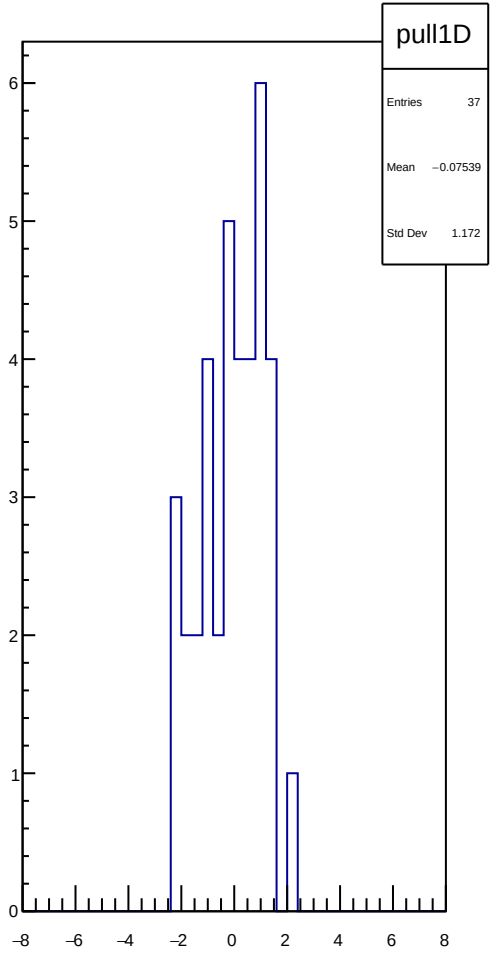

asym_atl1r2_dd_rms vs run
χ^2 / ndf 592.9 / 36
p0 4611 ± 5.316
5000
4900
4800
4700
4600
4500
4400
4300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

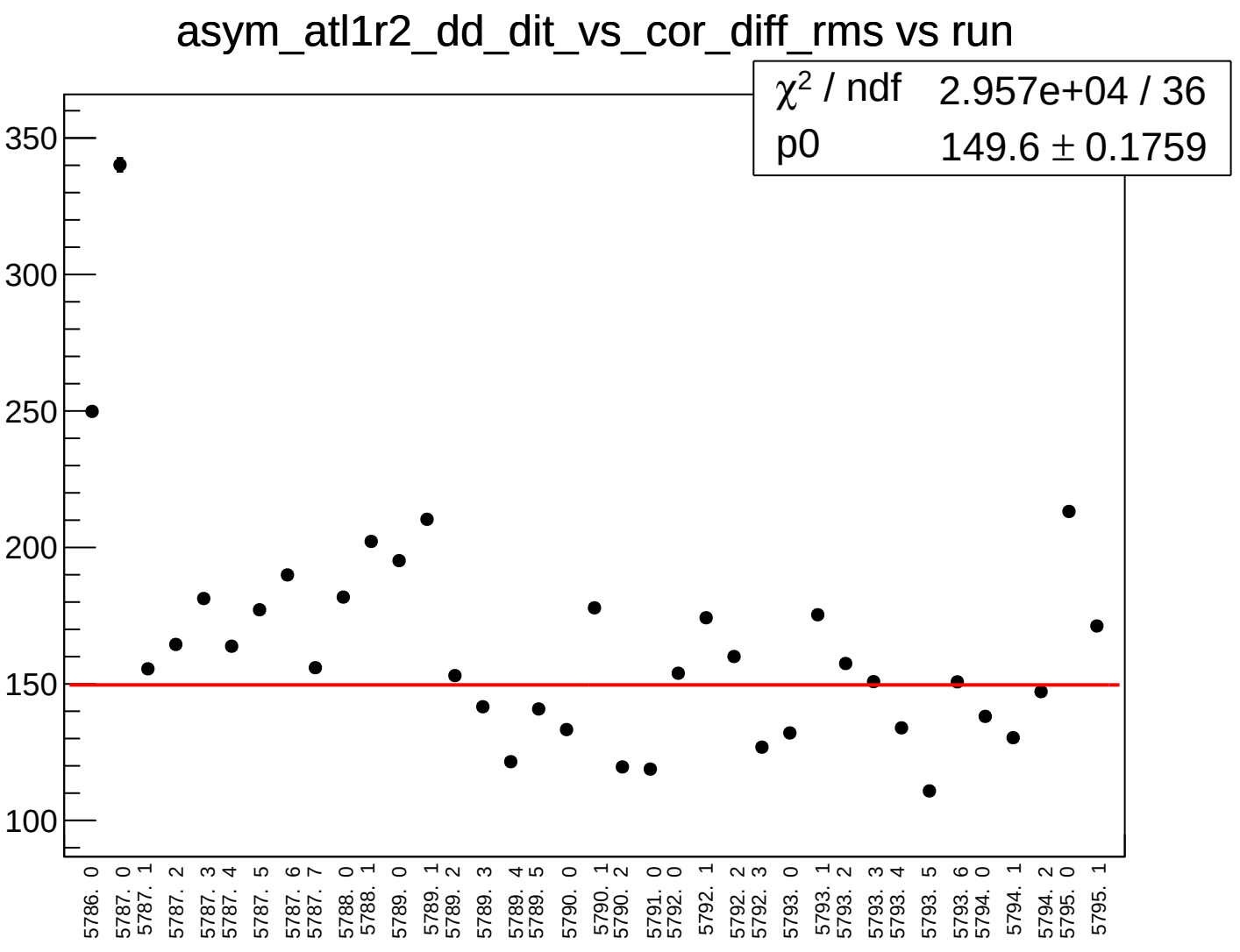

asym_atl1r2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.28 / 36
p0 1.131e−13 ± 5.153e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 102.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

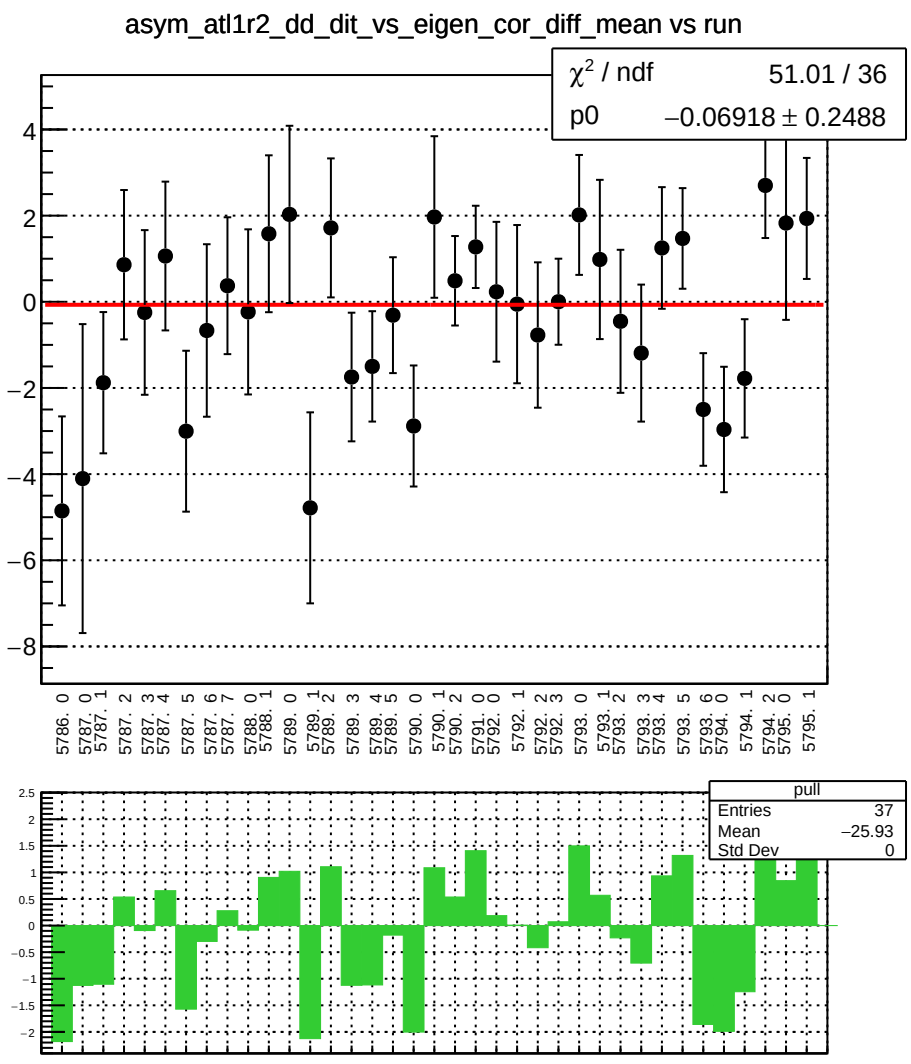

pull1D
Entries 37
Mean −0.05408
Std Dev 1.093
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

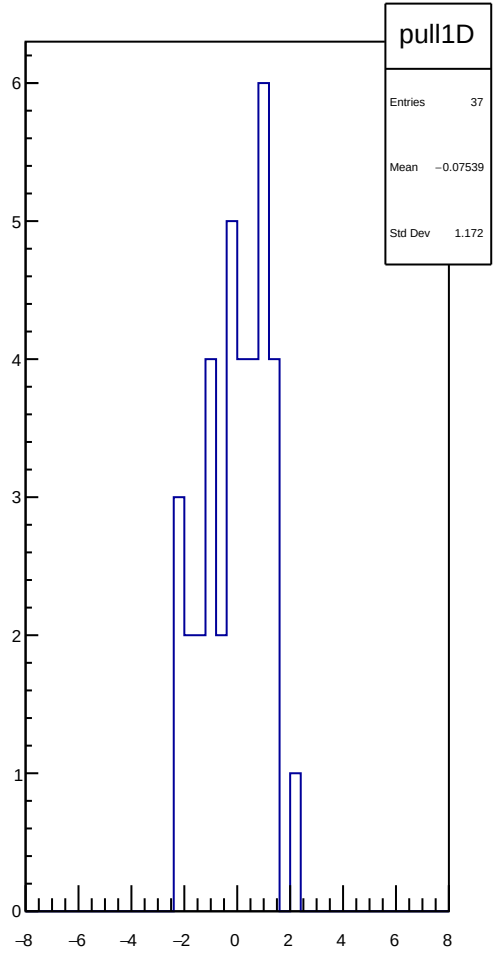

asym_atl1r2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.379e+05 / 36
p0 2.348e−10 ± 3.644e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

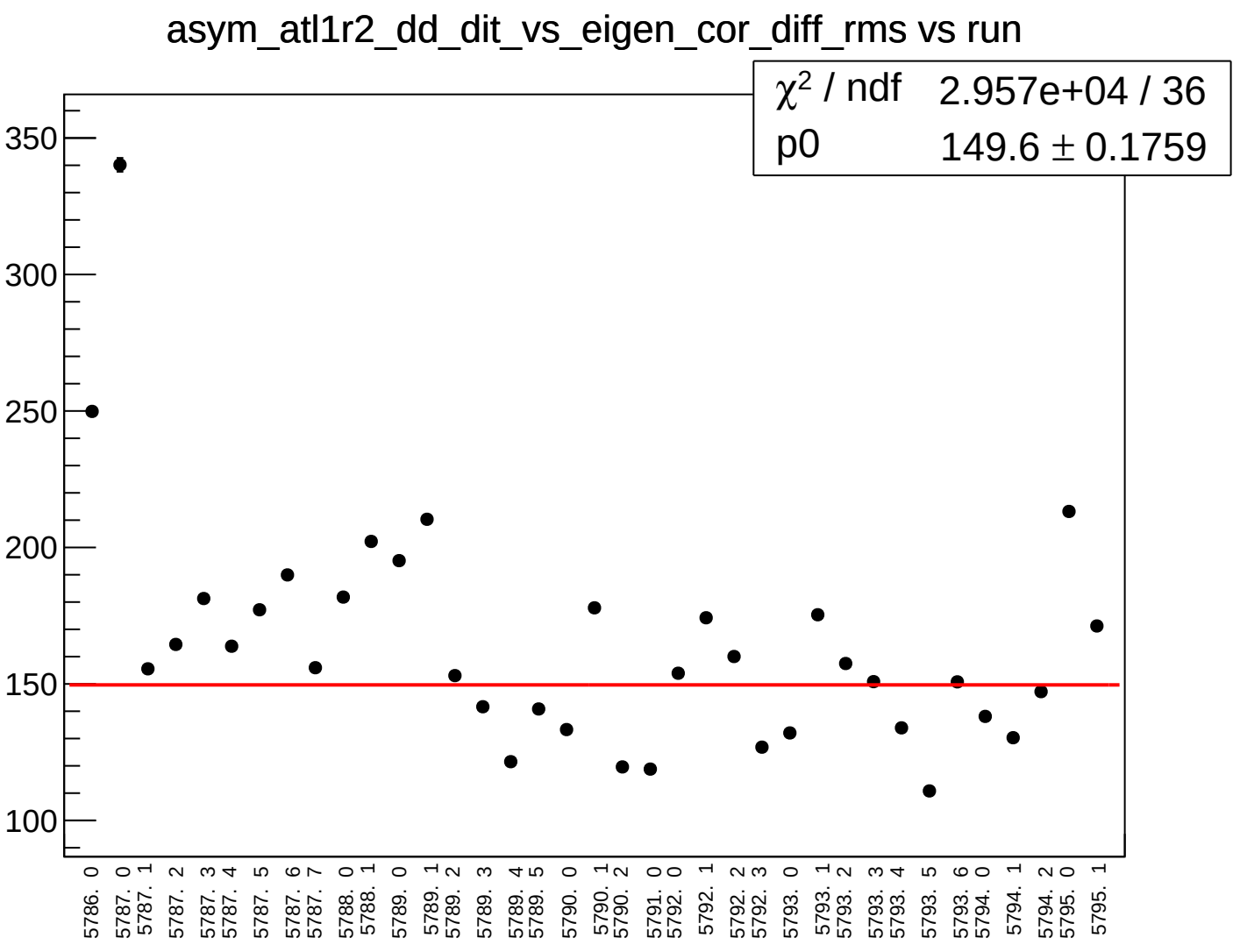

asym_atl1r2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 36
p0 −0.06918 ± 0.2488
pull
Entries 37
Mean −25.93
Std Dev 0

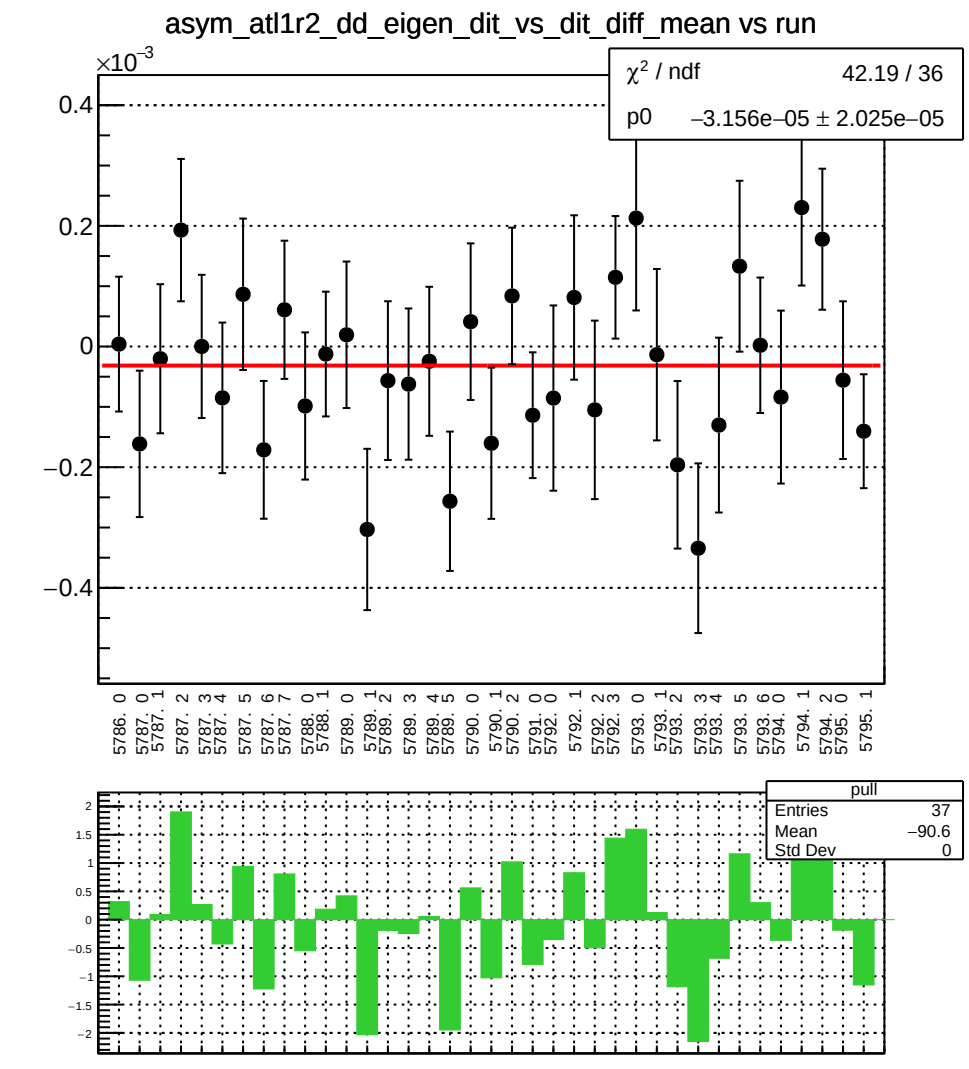

pull1D
Entries 37
Mean −0.07539
Std Dev 1.172

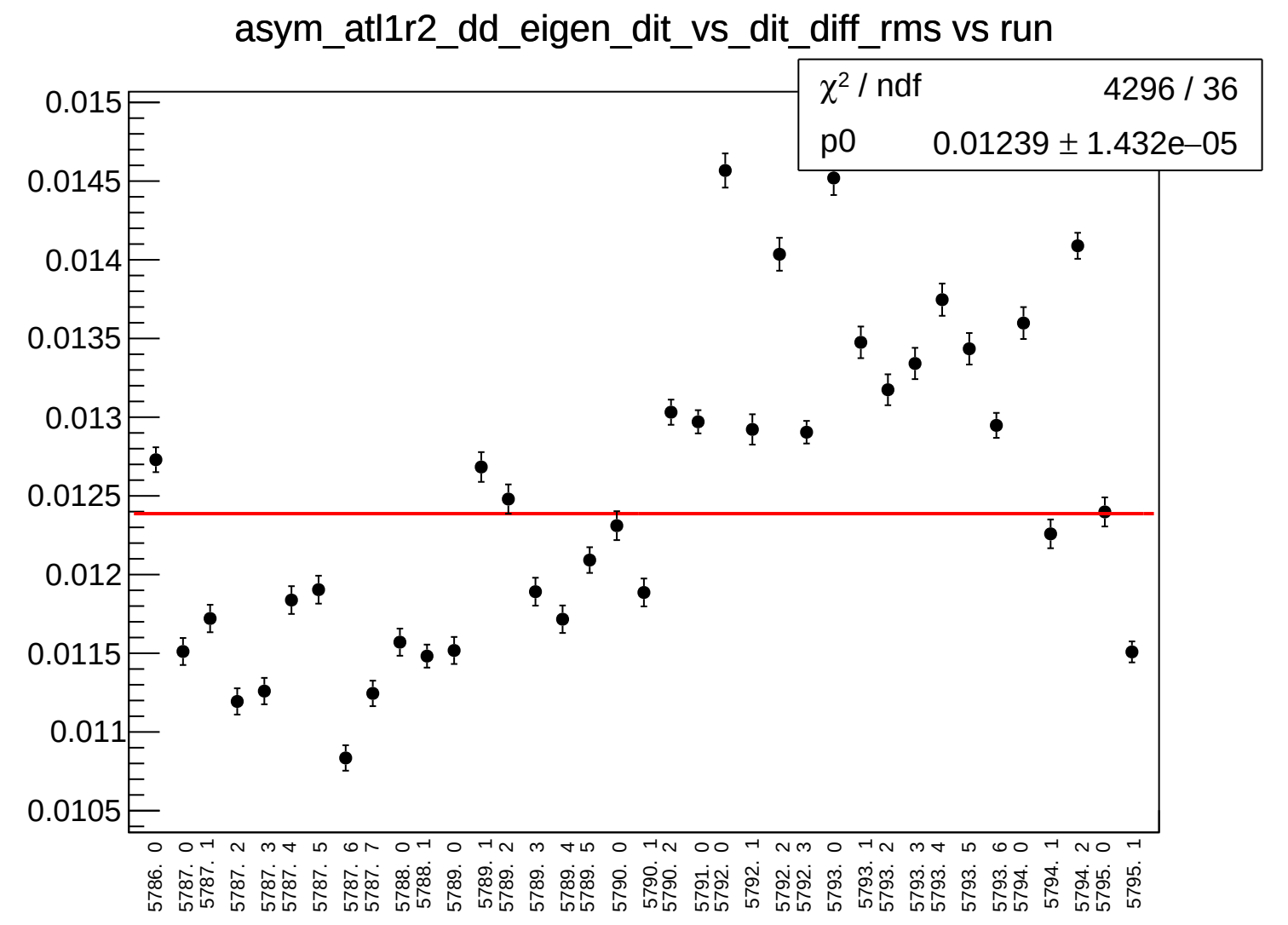

asym_atl1r2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.957e+04 / 36
p0 149.6 ± 0.1759
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

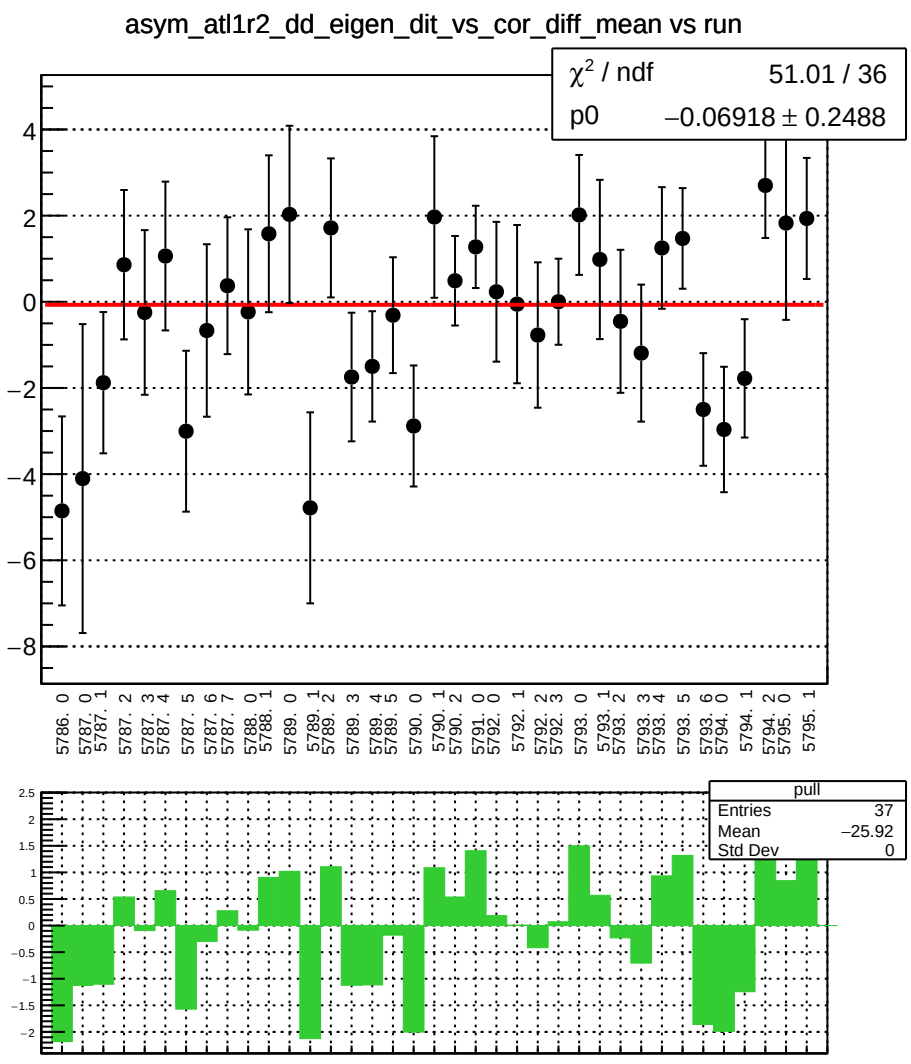

asym_atl1r2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 36
p0 −0.06918 ± 0.2488
pull
Entries 37
Mean −25.93
Std Dev 0

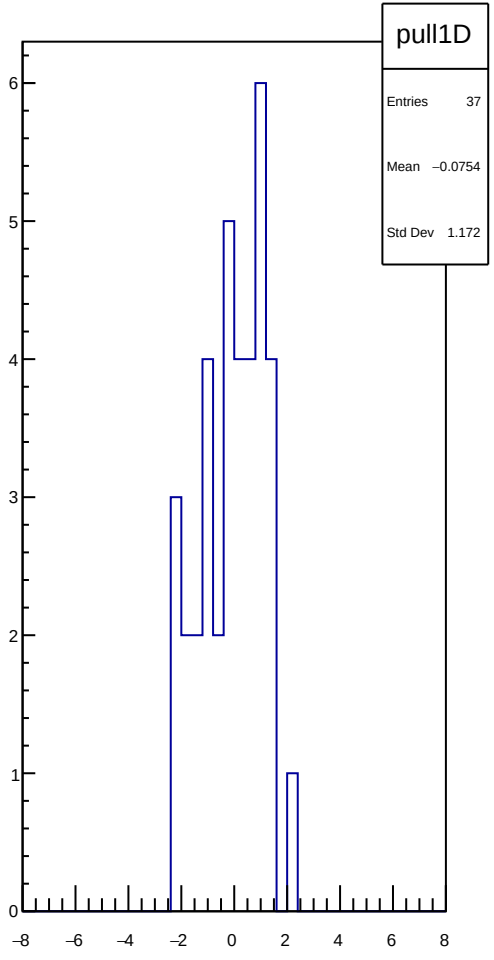

pull1D
Entries 37
Mean −0.07539
Std Dev 1.172

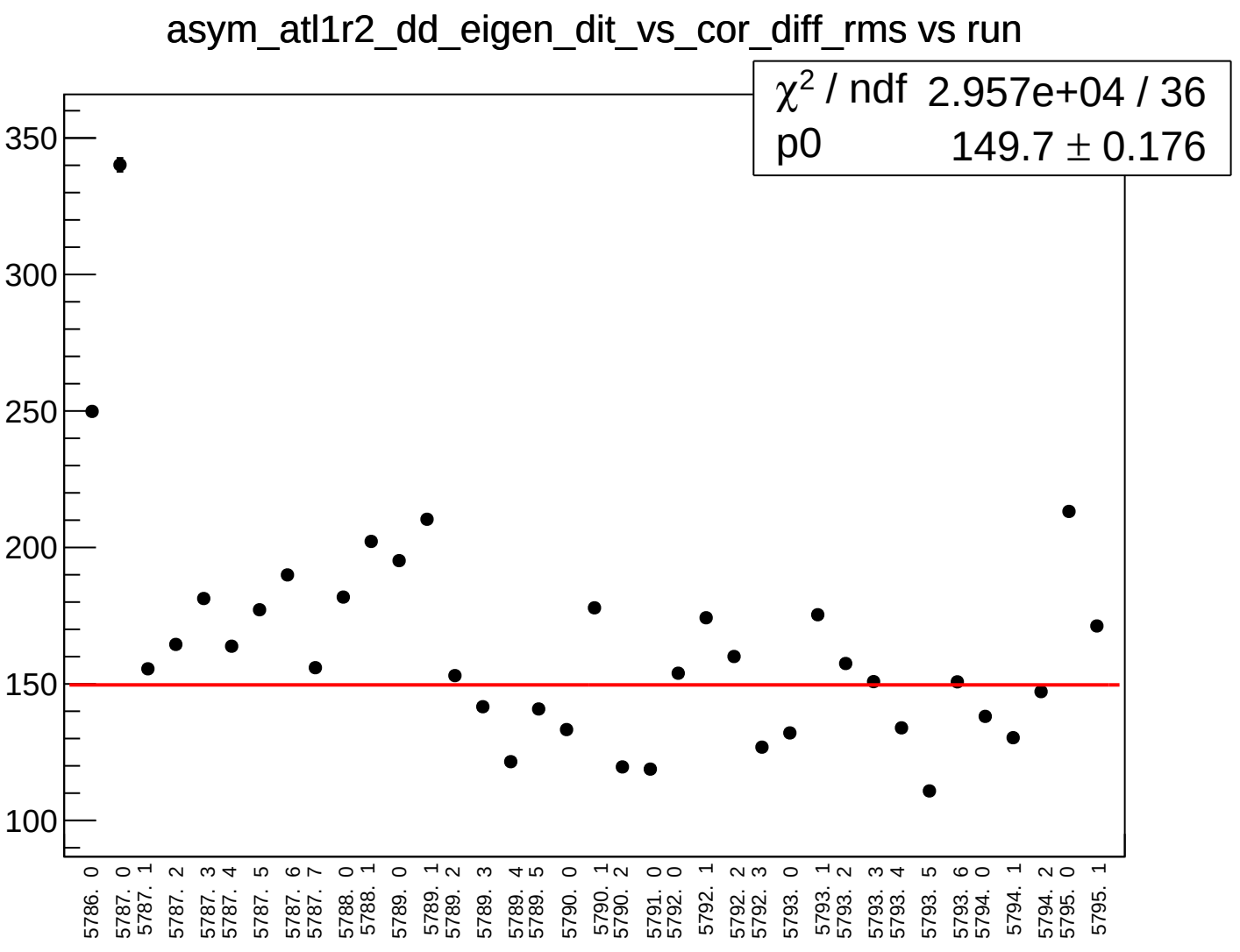

asym_atl1r2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.957e+04 / 36
p0 149.6 ± 0.1759
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

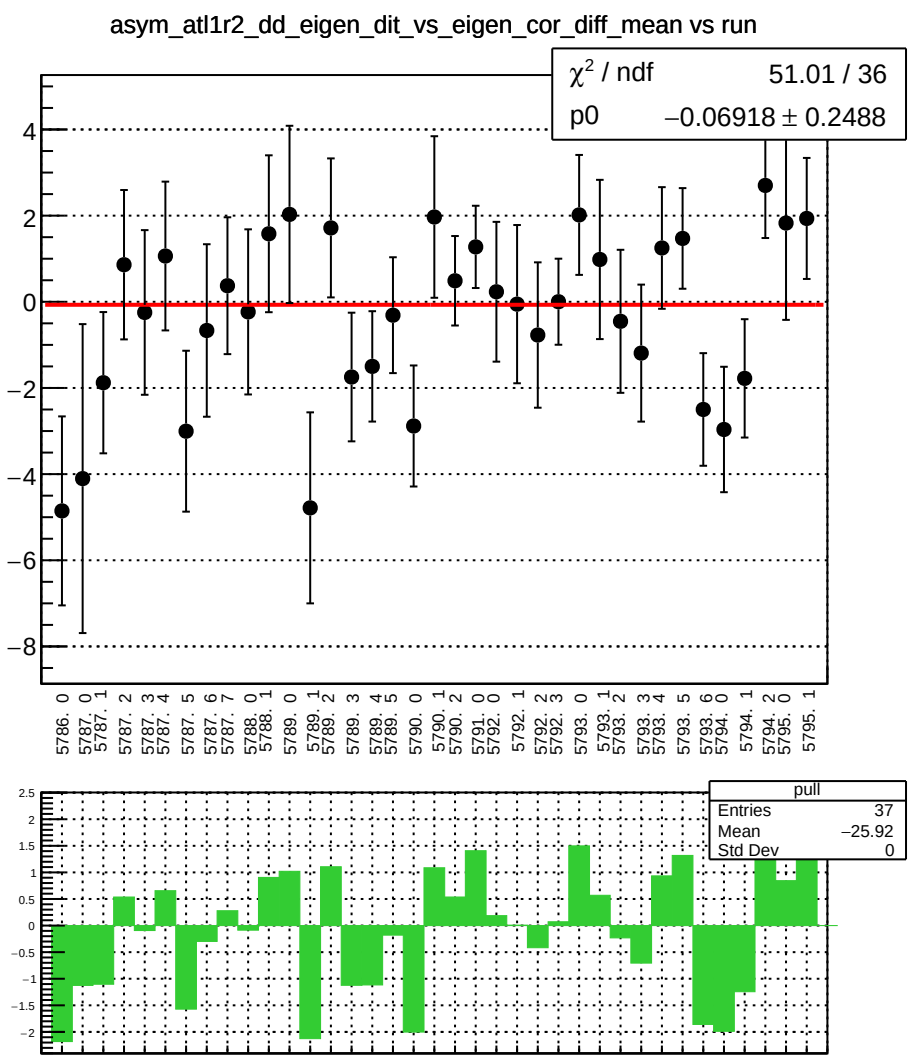

asym_atl1r2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.19 / 36
p0 −3.156e−05 ± 2.025e−05
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −90.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.006063
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

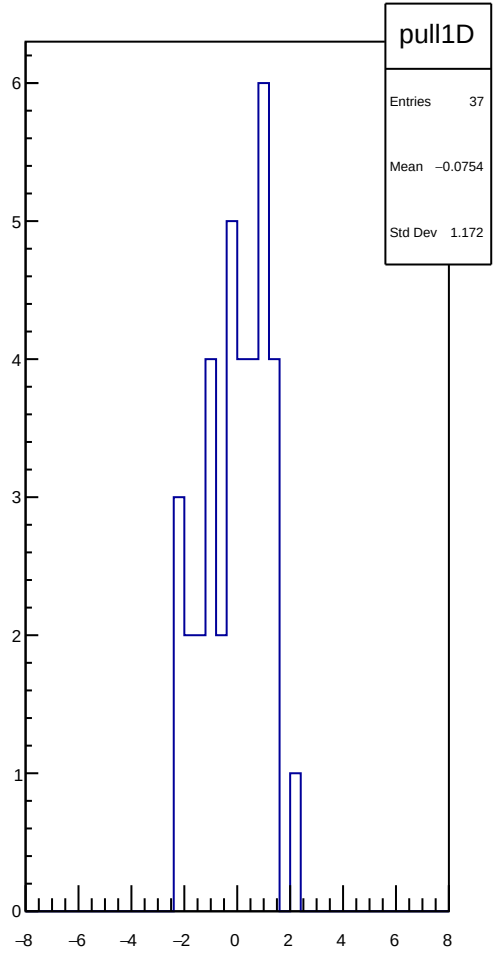

asym_atl1r2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4296 / 36
p0 0.01239 ± 1.432e−05
0.015
0.0145
0.014
0.0135
0.013
0.0125
0.012
0.0115
0.011
0.0105
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

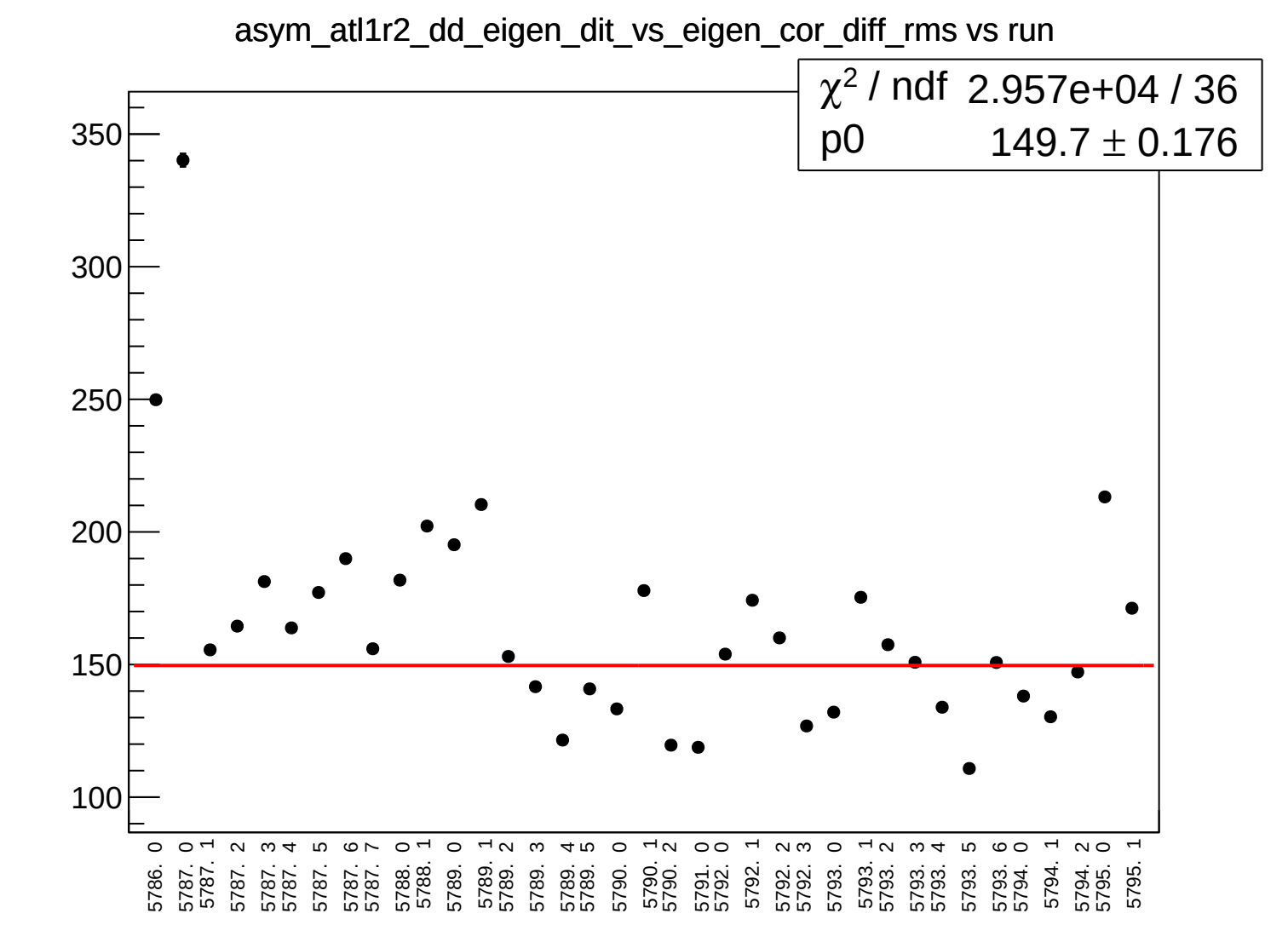

asym_atl1r2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.01 / 36
p0 −0.06918 ± 0.2488
pull
Entries 37
Mean −25.92
Std Dev 0

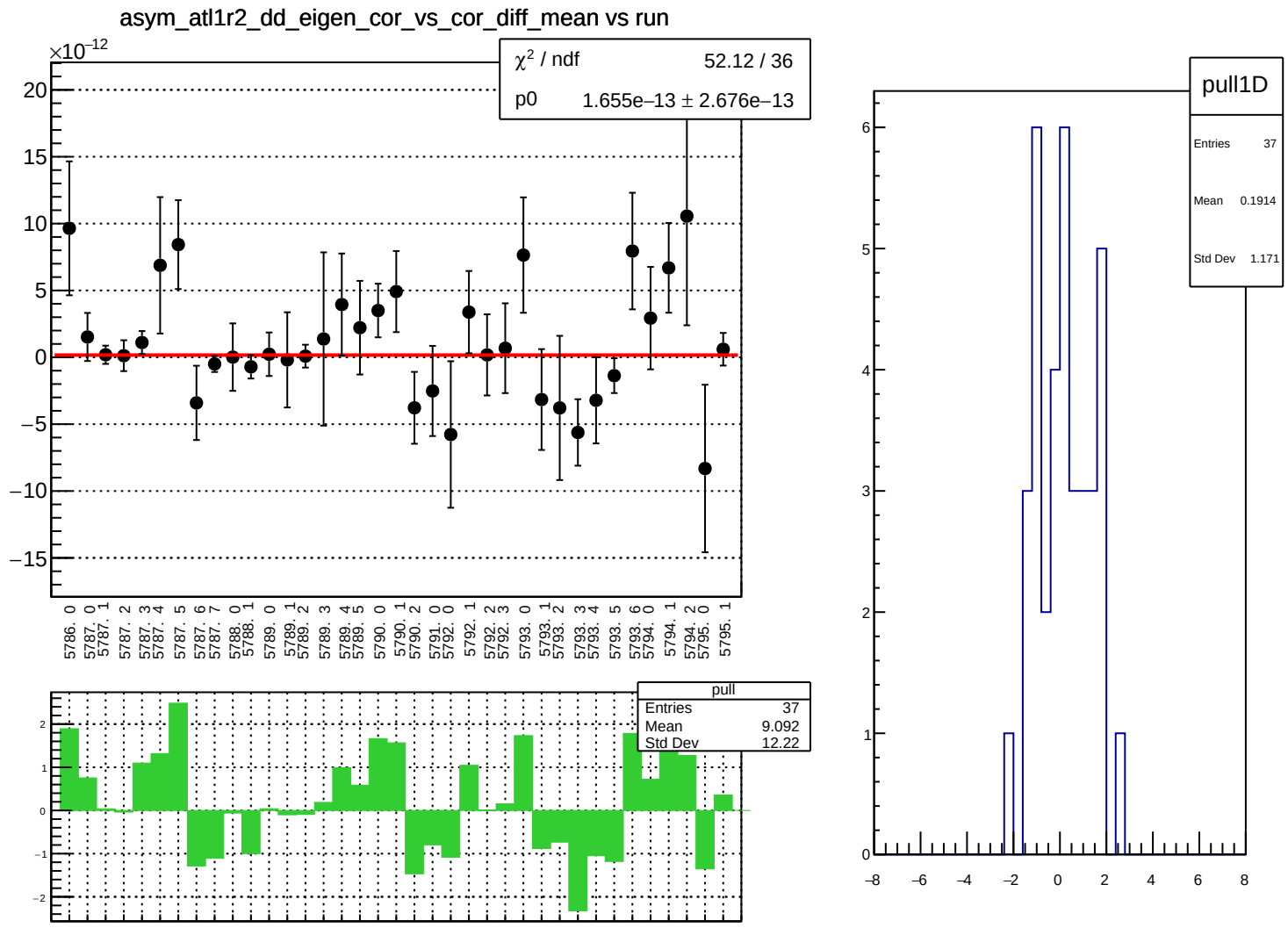

pull1D
Entries 37
Mean −0.0754
Std Dev 1.172

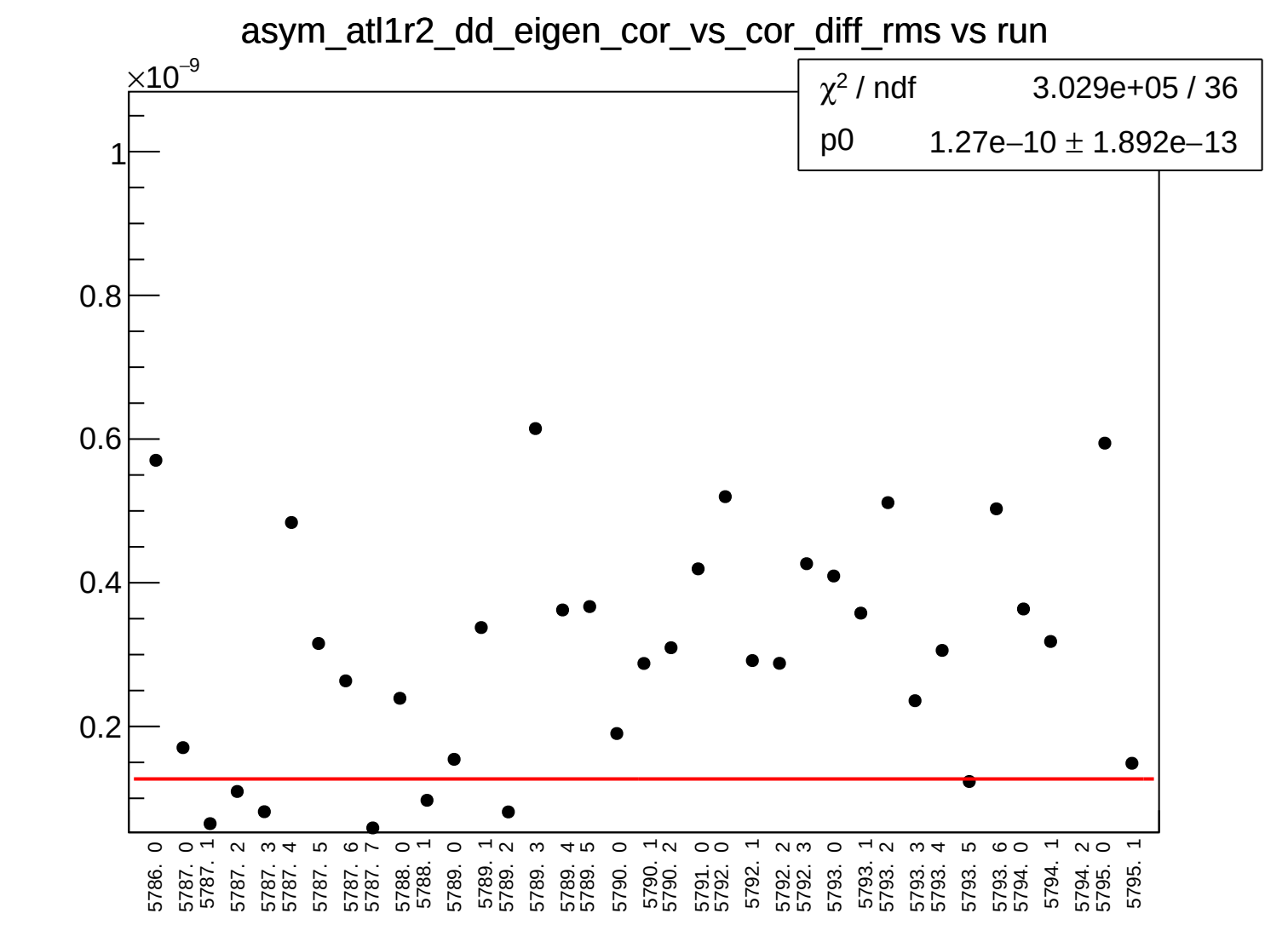

asym_atl1r2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.957e+04 / 36
p0 149.7 ± 0.176
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

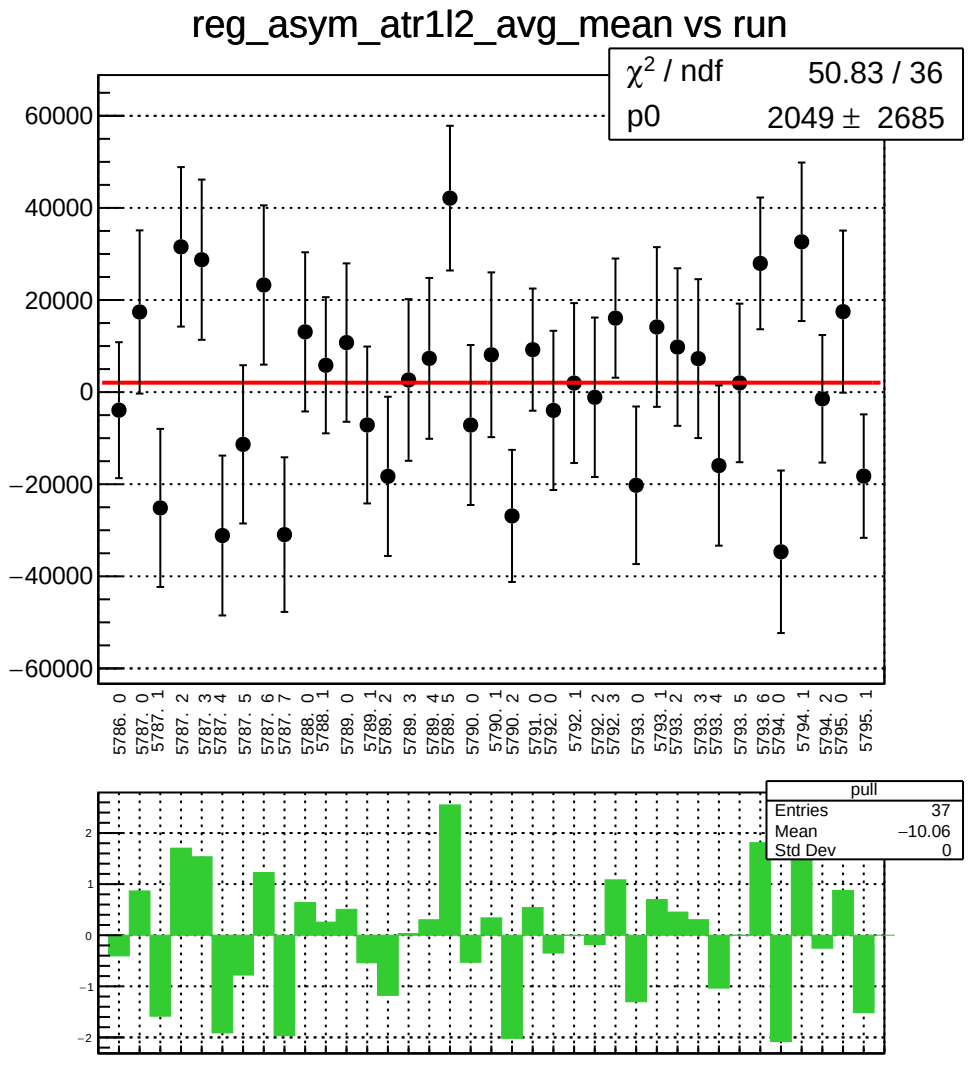

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.01 / 36
p0 −0.06918 ± 0.2488
pull
Entries 37
Mean −25.92
Std Dev 0

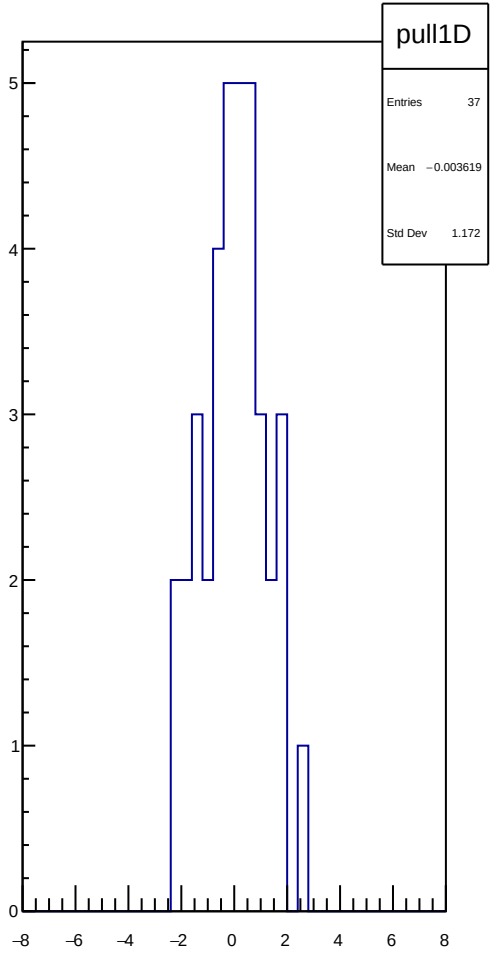

pull1D
Entries 37
Mean −0.0754
Std Dev 1.172

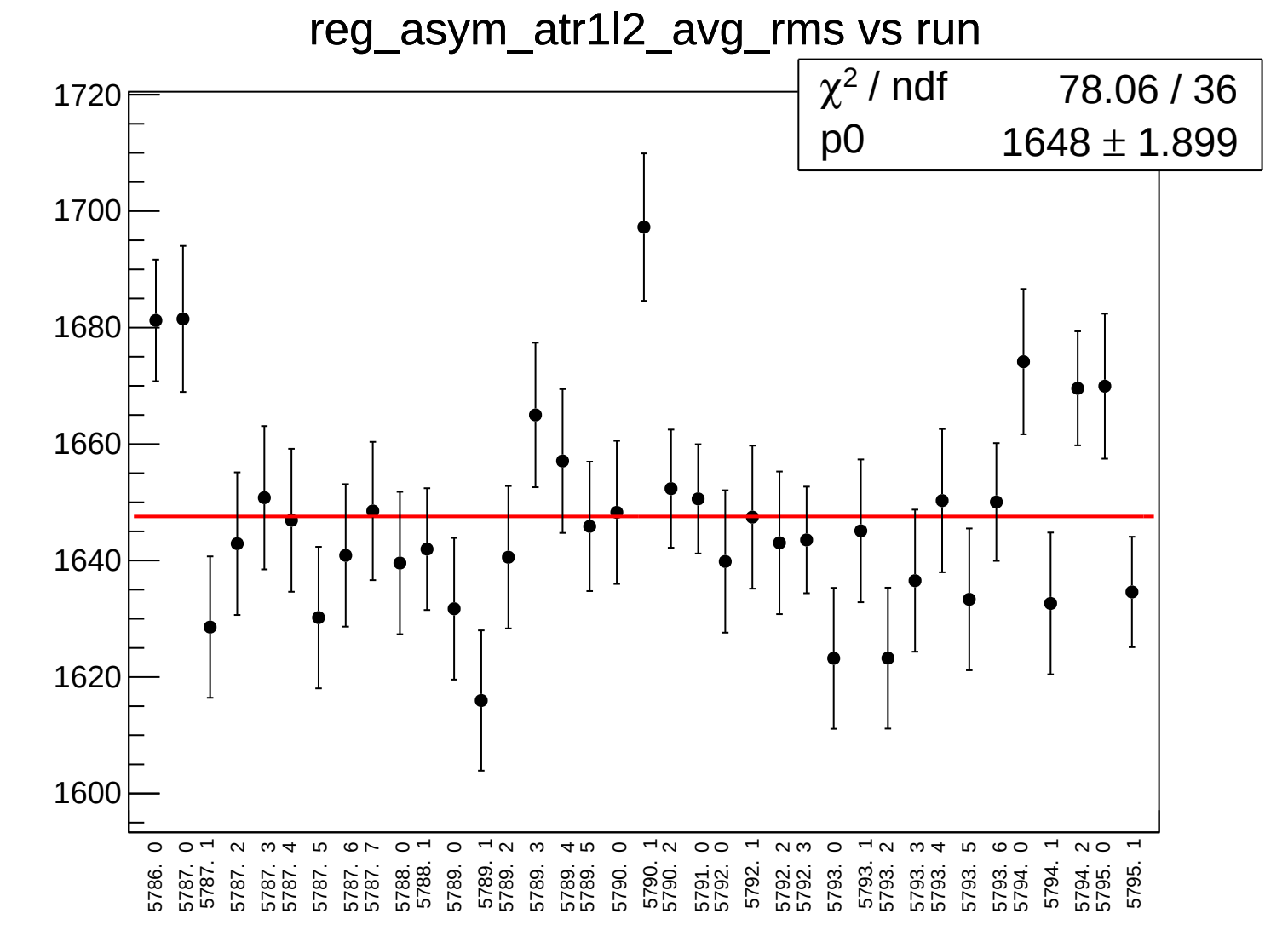

asym_atl1r2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.957e+04 / 36
p0 149.7 ± 0.176
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

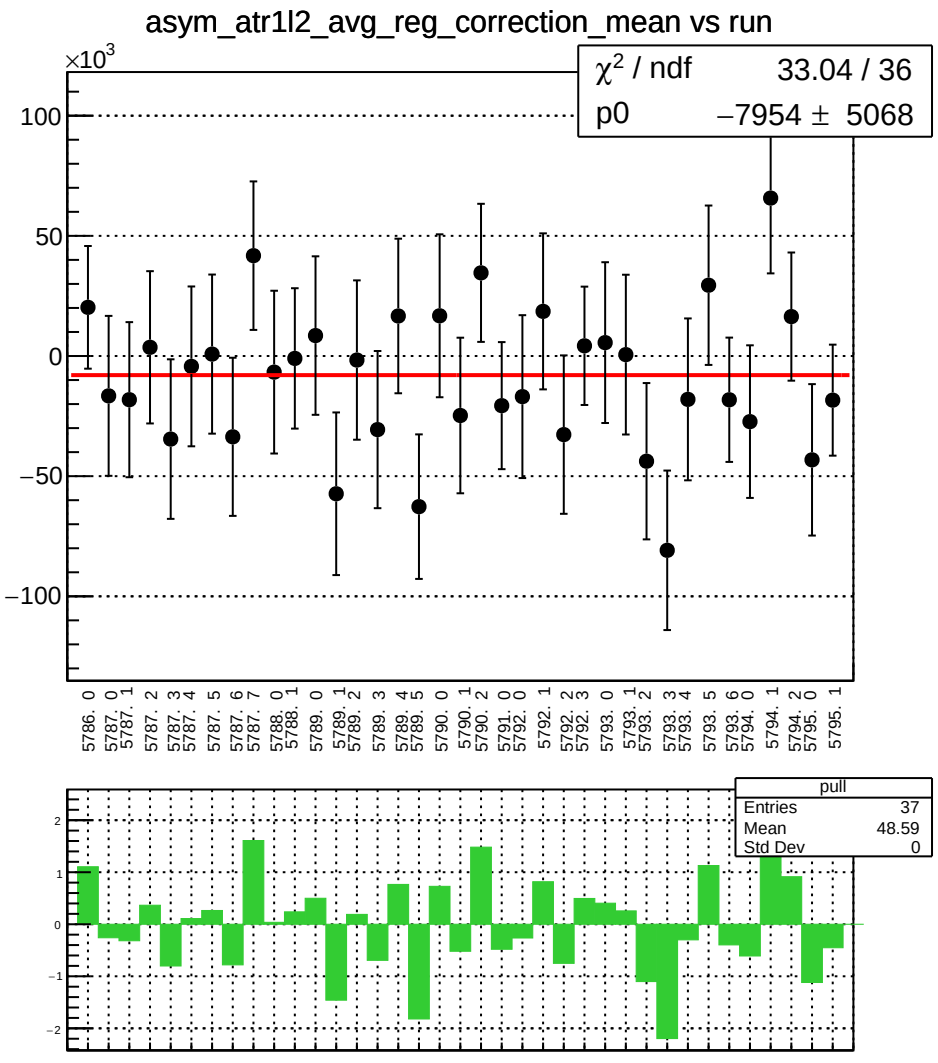

asym_atl1r2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.12 / 36
p0 1.655e−13 ± 2.676e−13
20
15
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 9.092
Std Dev 12.22
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1914
Std Dev 1.171
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

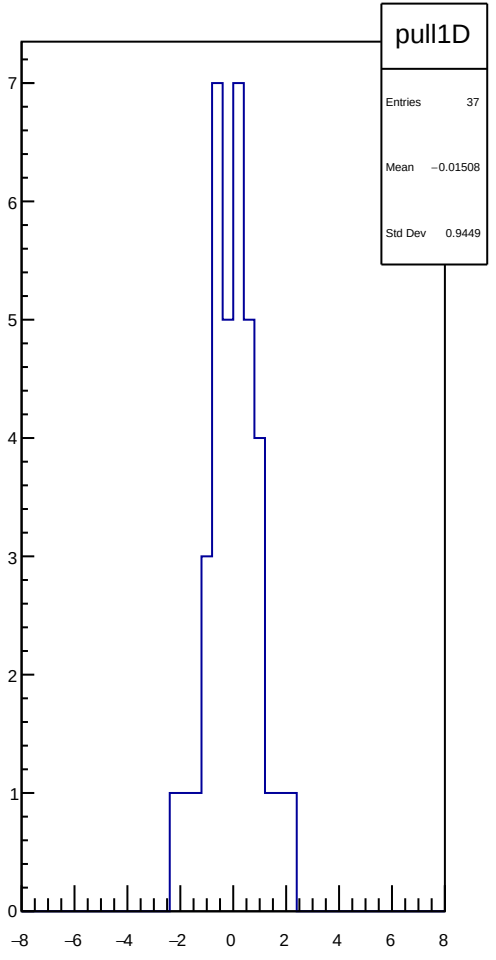

asym_atl1r2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.029e+05 / 36
p0 1.27e−10 ± 1.892e−13
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

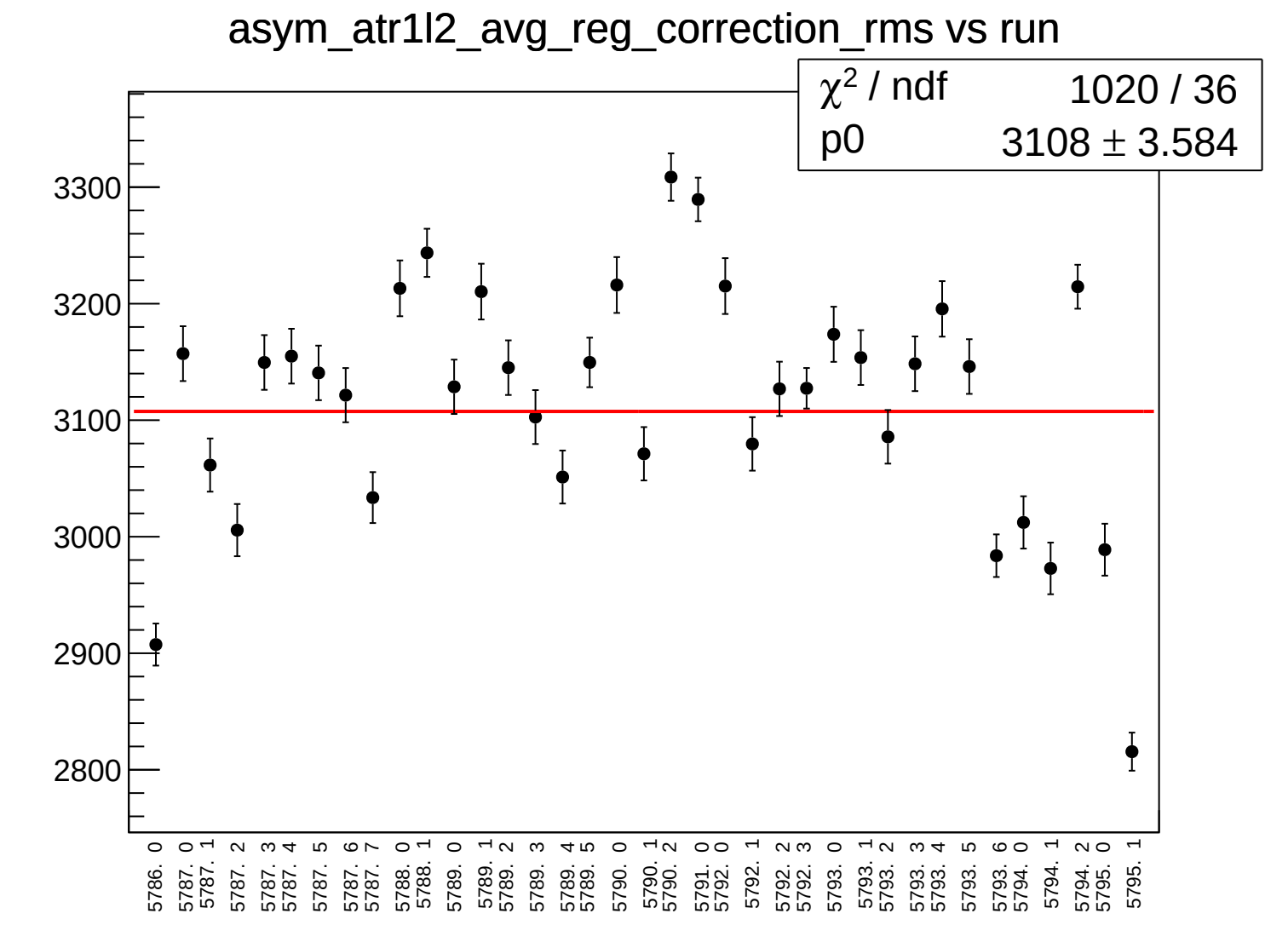

reg_asym_atr1l2_avg_mean vs run
χ² / ndf 50.83 / 36
p0 2049 ± 2685
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.06
Std Dev 0
2
1
0
−1
−2

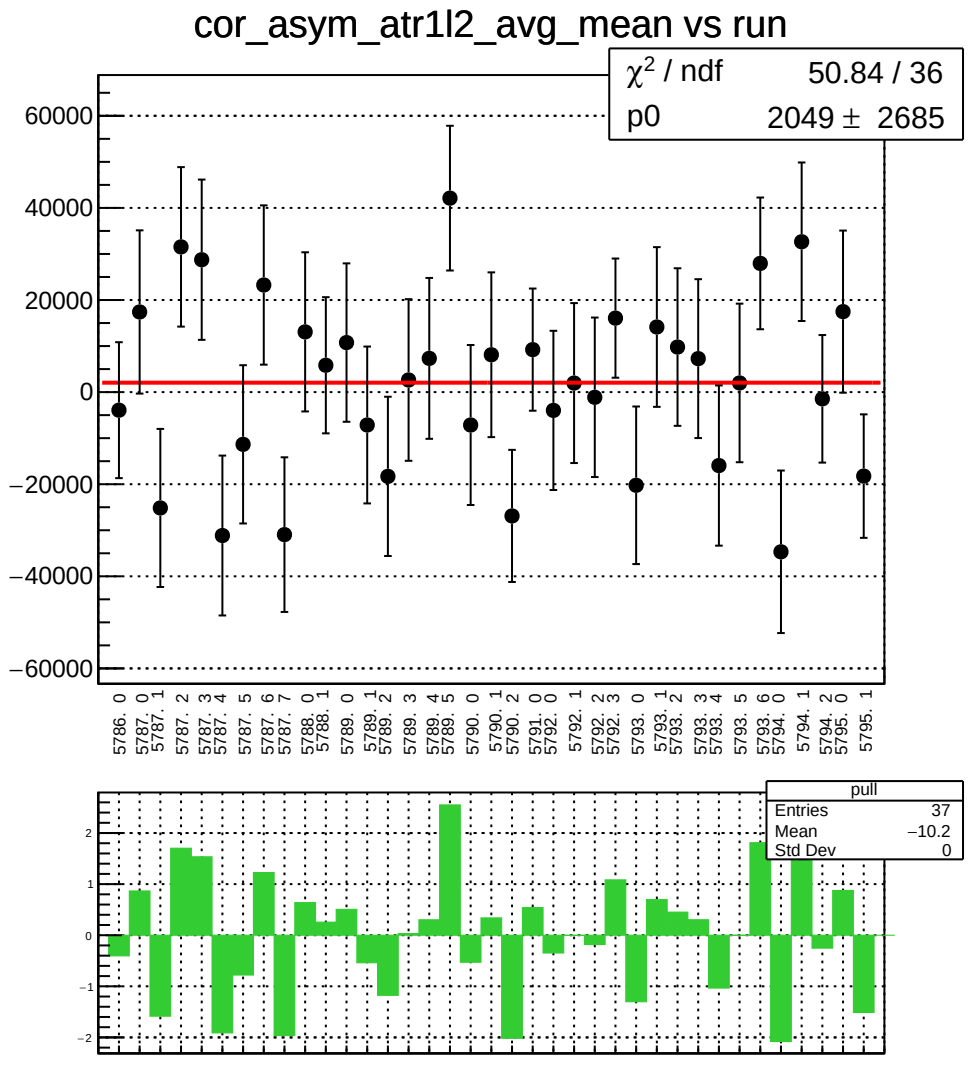

pull1D
Entries 37
Mean −0.003619
Std Dev 1.172
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

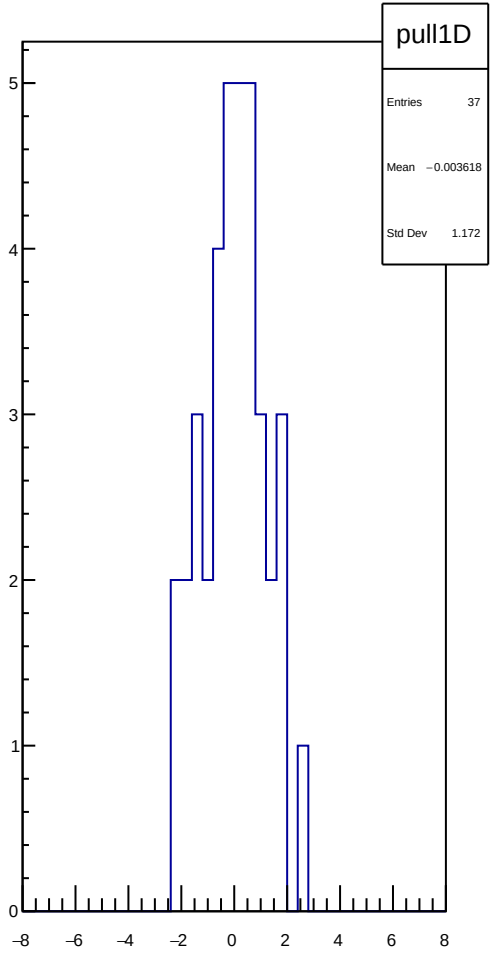

reg_asym_atr1l2_avg_rms vs run
χ² / ndf 78.06 / 36
p0 1648 ± 1.899
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

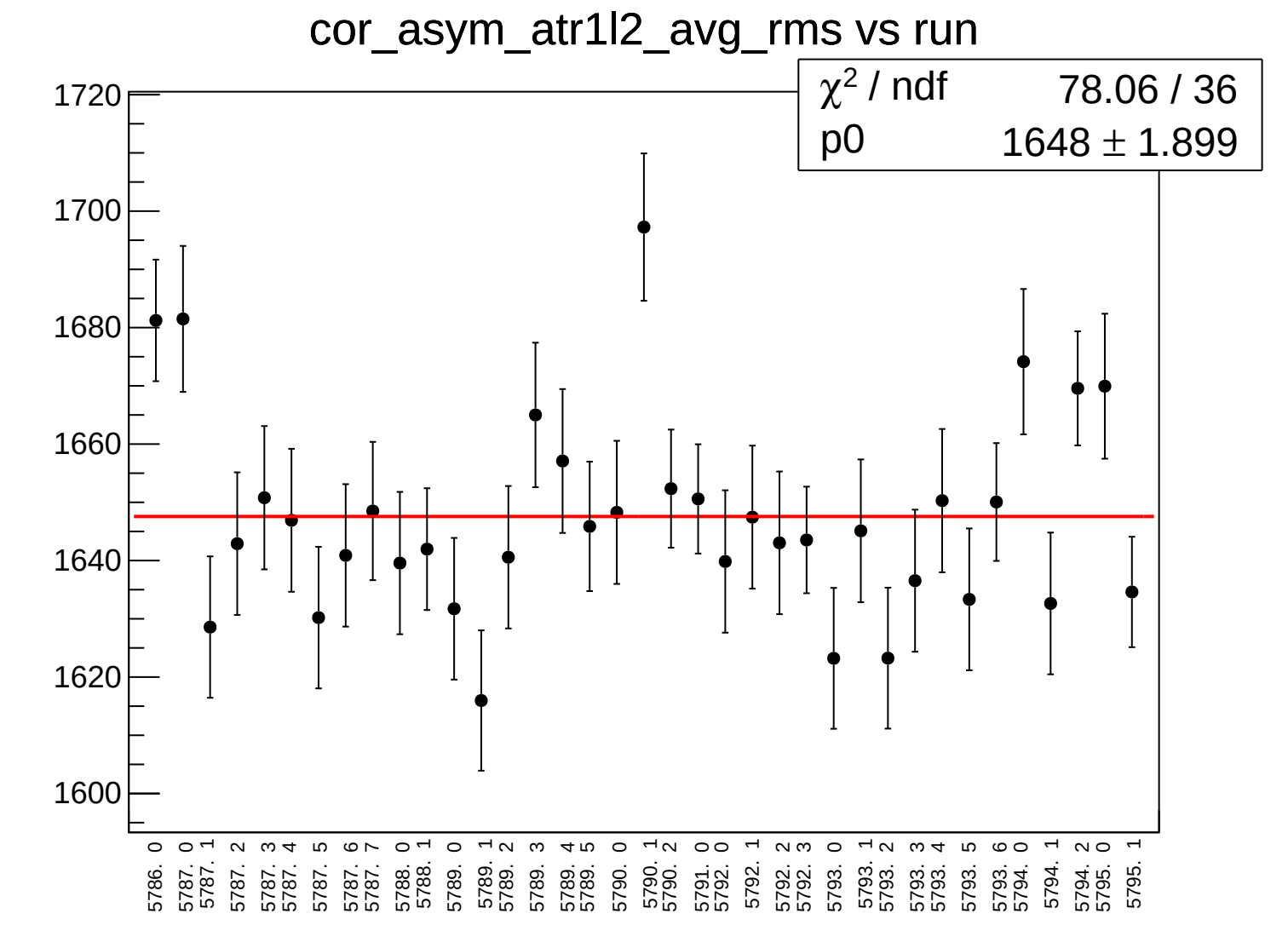

asym_atr1l2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 33.04 / 36
p0 −7954 ± 5068
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.59
Std Dev 0
2
1
0
−1
−2

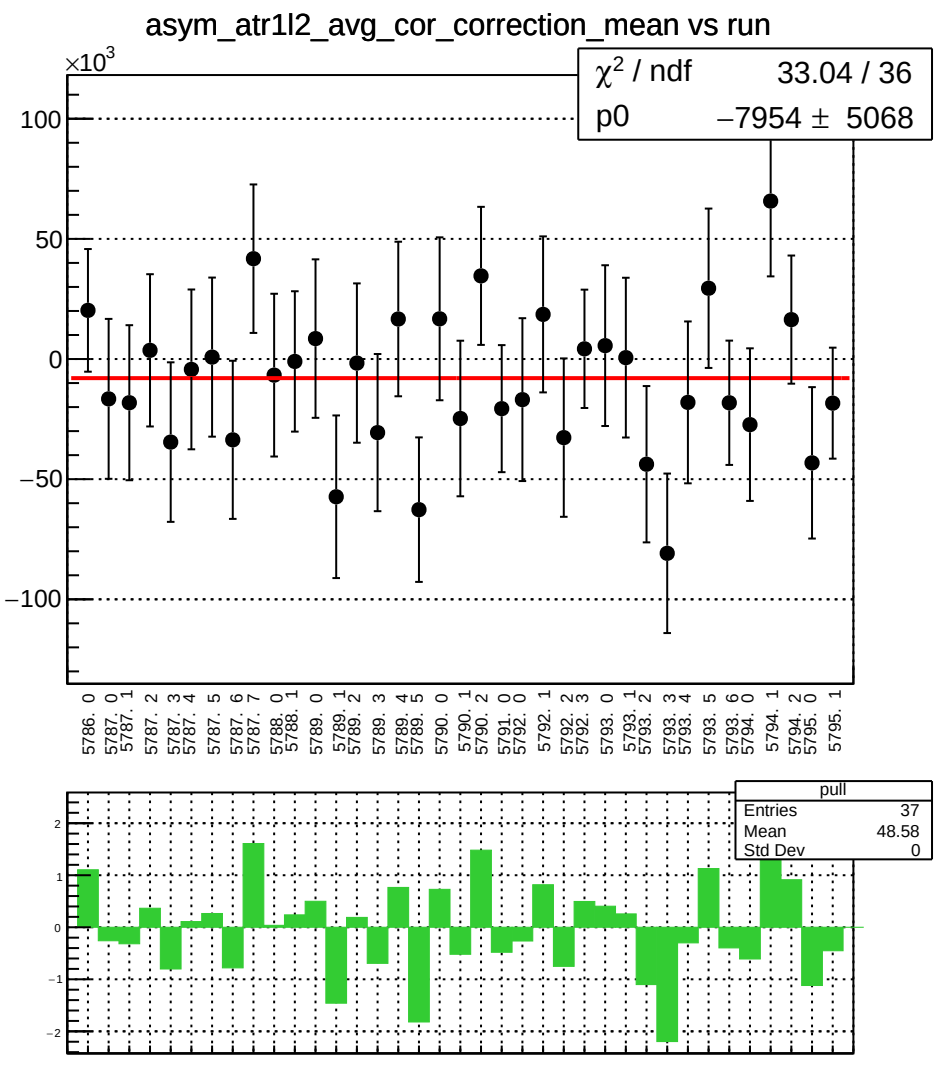

pull1D
Entries 37
Mean −0.01508
Std Dev 0.9449
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

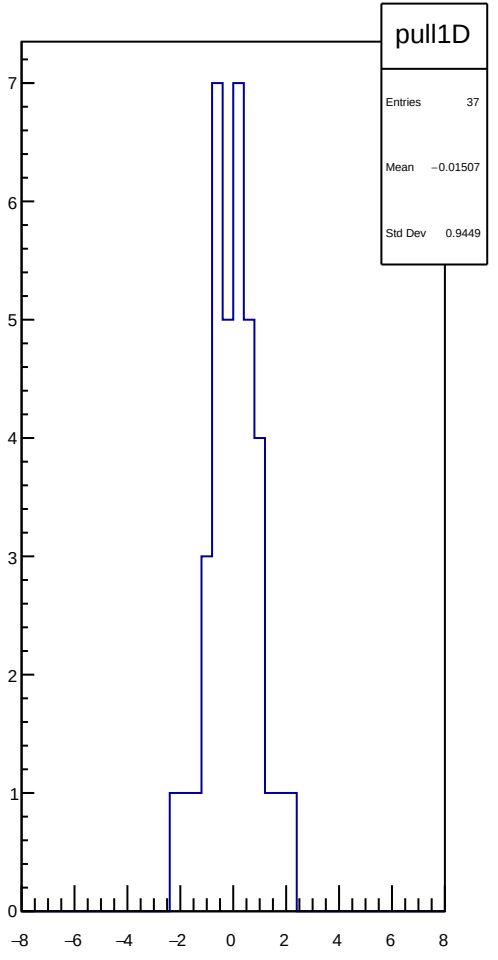

asym_atr1l2_avg_reg_correction_rms vs run
χ² / ndf 1020 / 36
p0 3108 ± 3.584
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

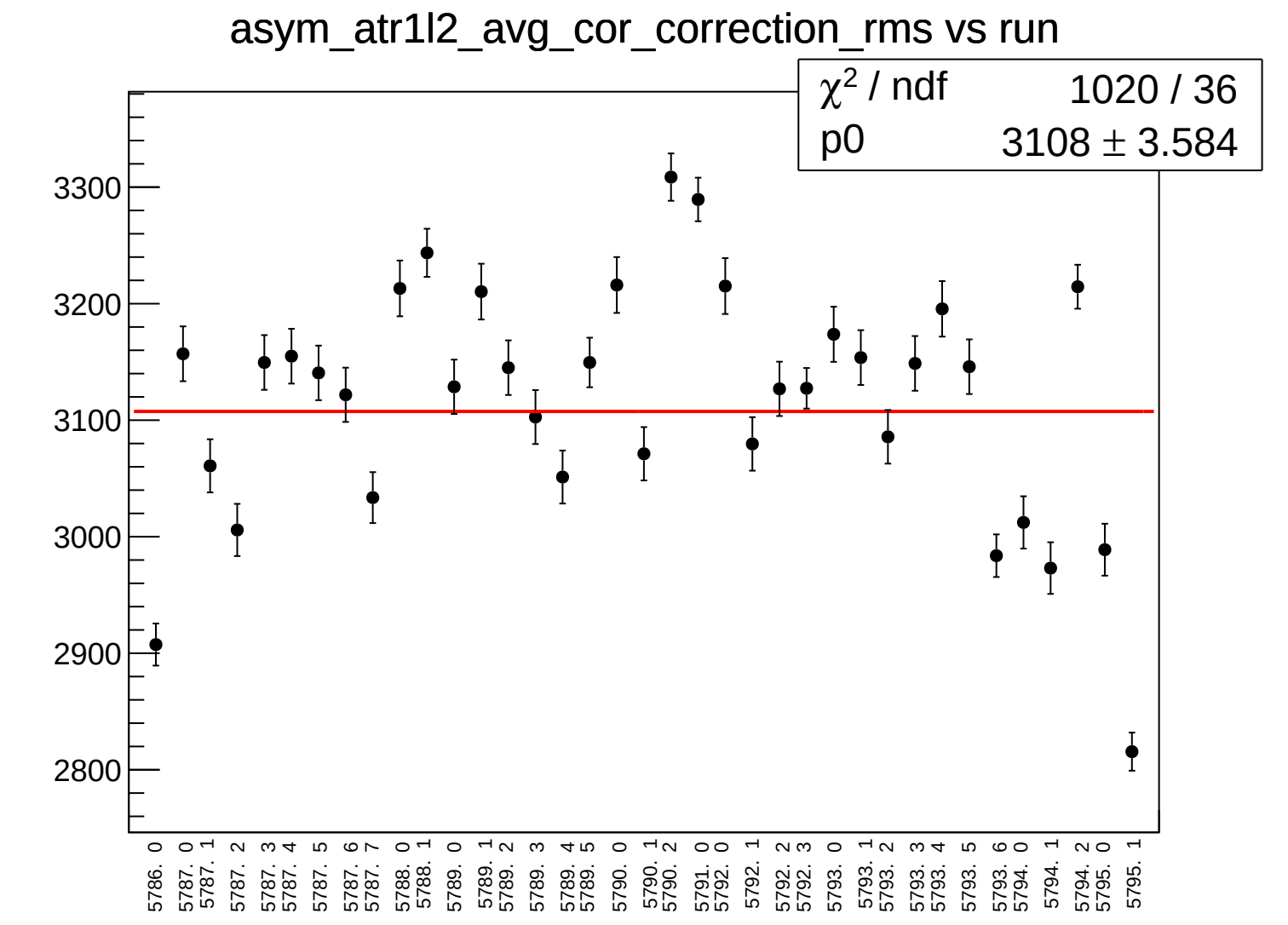

cor_asym_atr1l2_avg_mean vs run
χ² / ndf 50.84 / 36
p0 2049 ± 2685
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.2
Std Dev 0
2
1
0
−1
−2

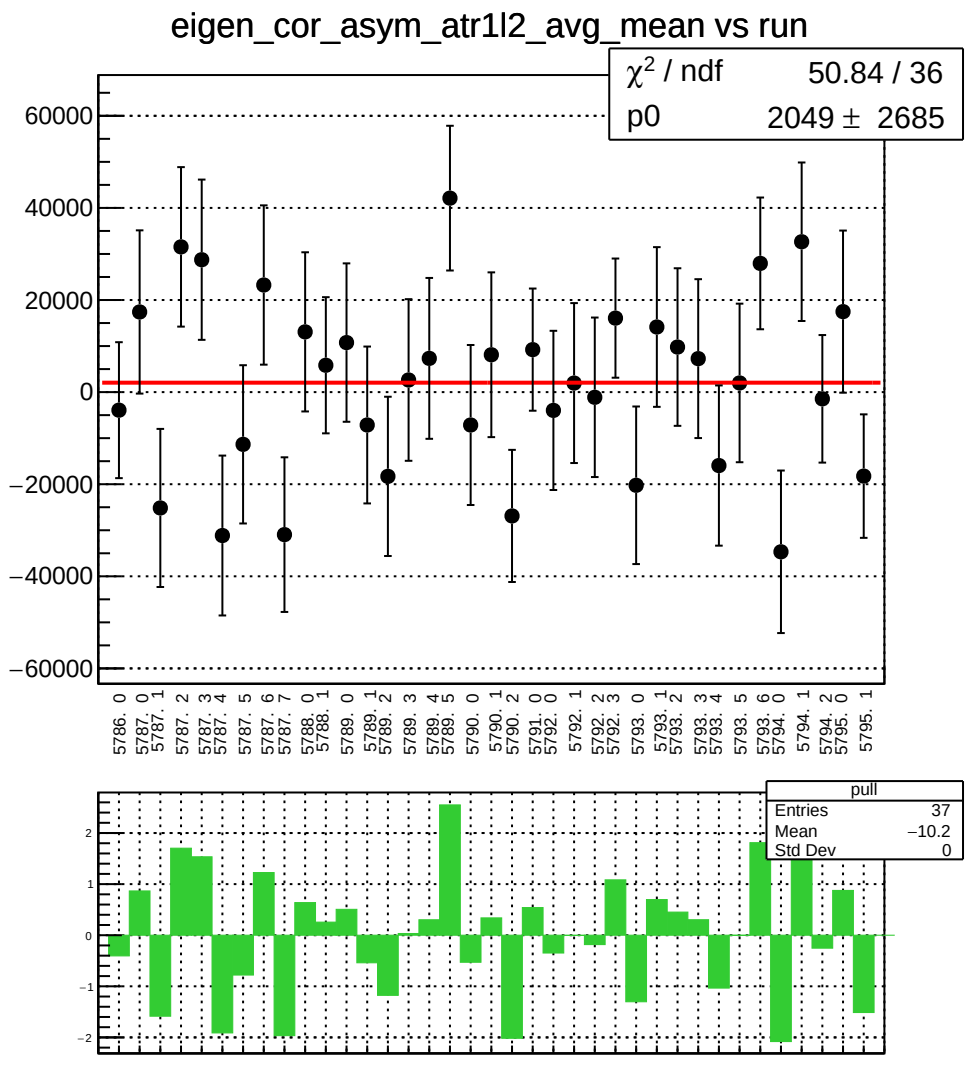

pull1D
Entries 37
Mean −0.003618
Std Dev 1.172
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

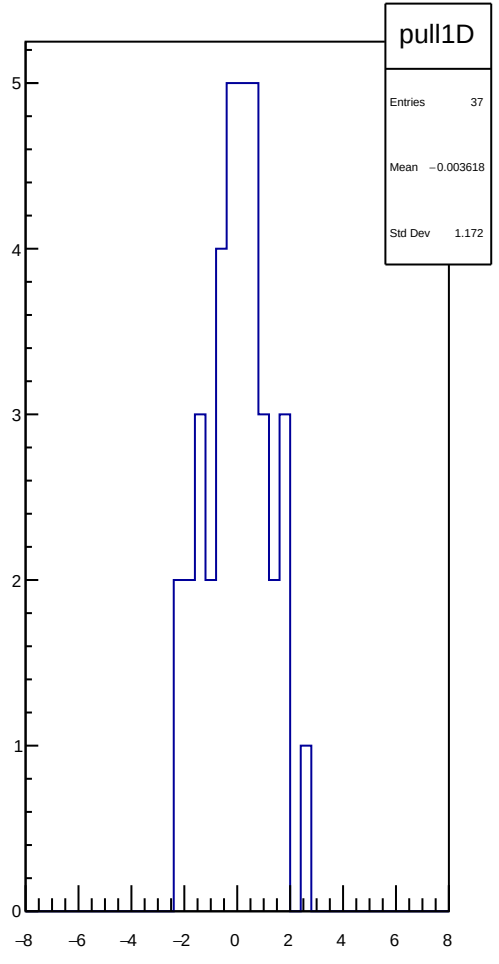

cor_asym_atr1l2_avg_rms vs run
χ² / ndf 78.06 / 36
p0 1648 ± 1.899
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

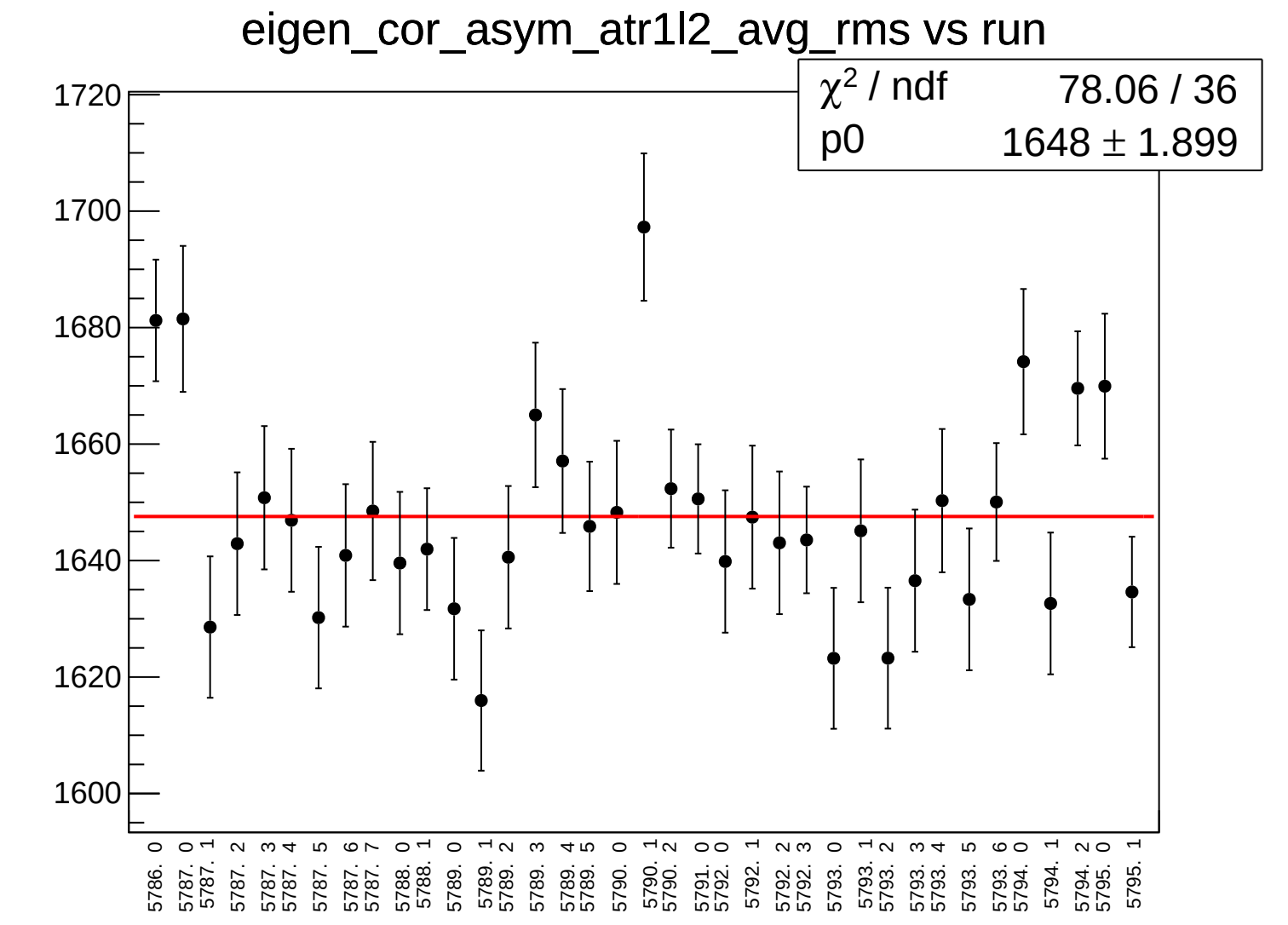

asym_atr1l2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 33.04 / 36
p0 −7954 ± 5068
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.58
Std Dev 0
2
1
0
−1
−2

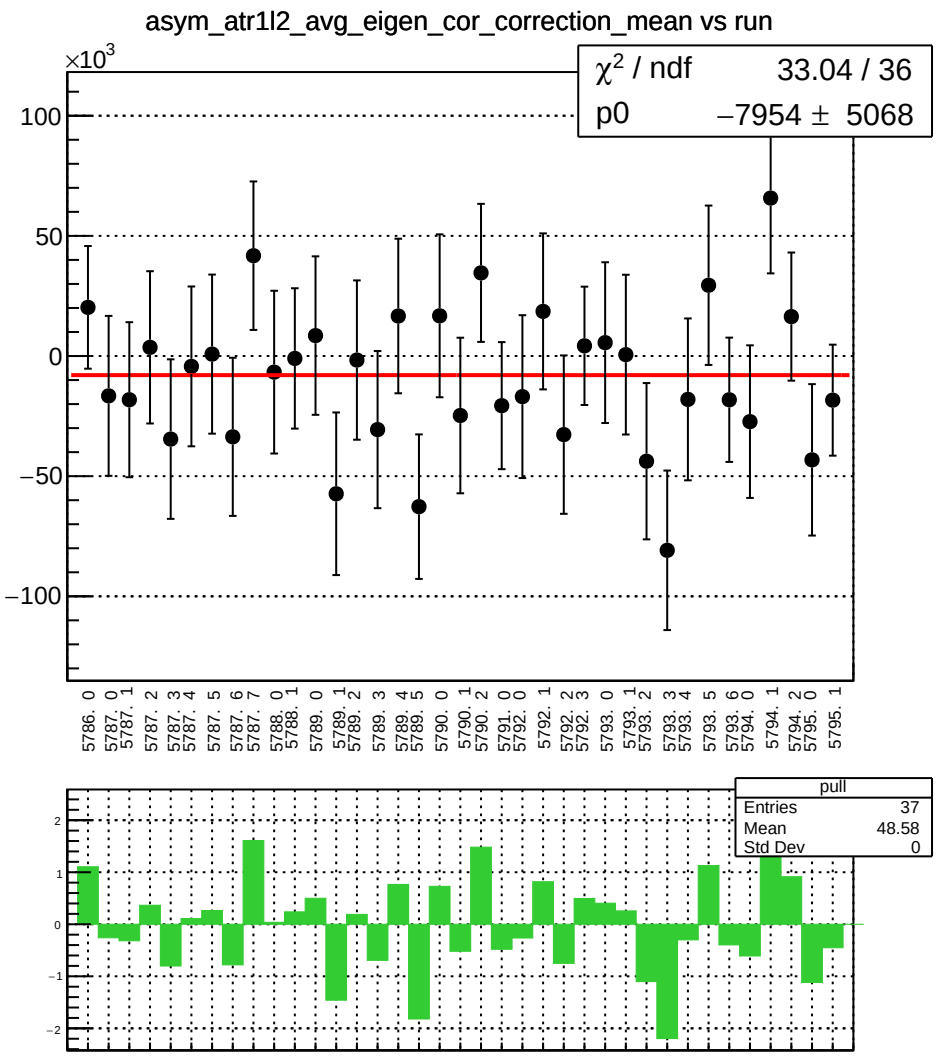

pull1D
Entries 37
Mean −0.01507
Std Dev 0.9449
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

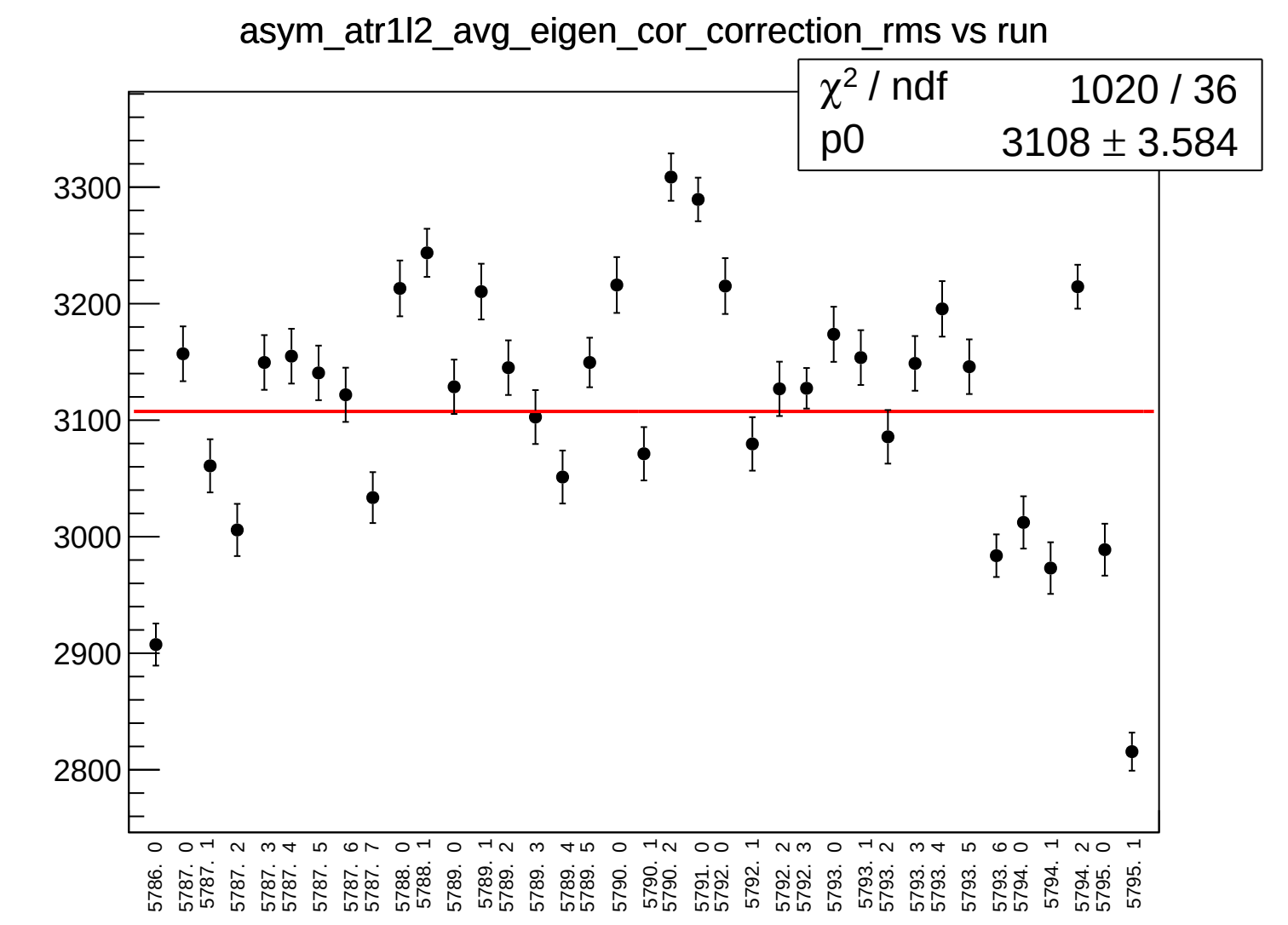

asym_atr1l2_avg_cor_correction_rms vs run
χ² / ndf 1020 / 36
p0 3108 ± 3.584
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

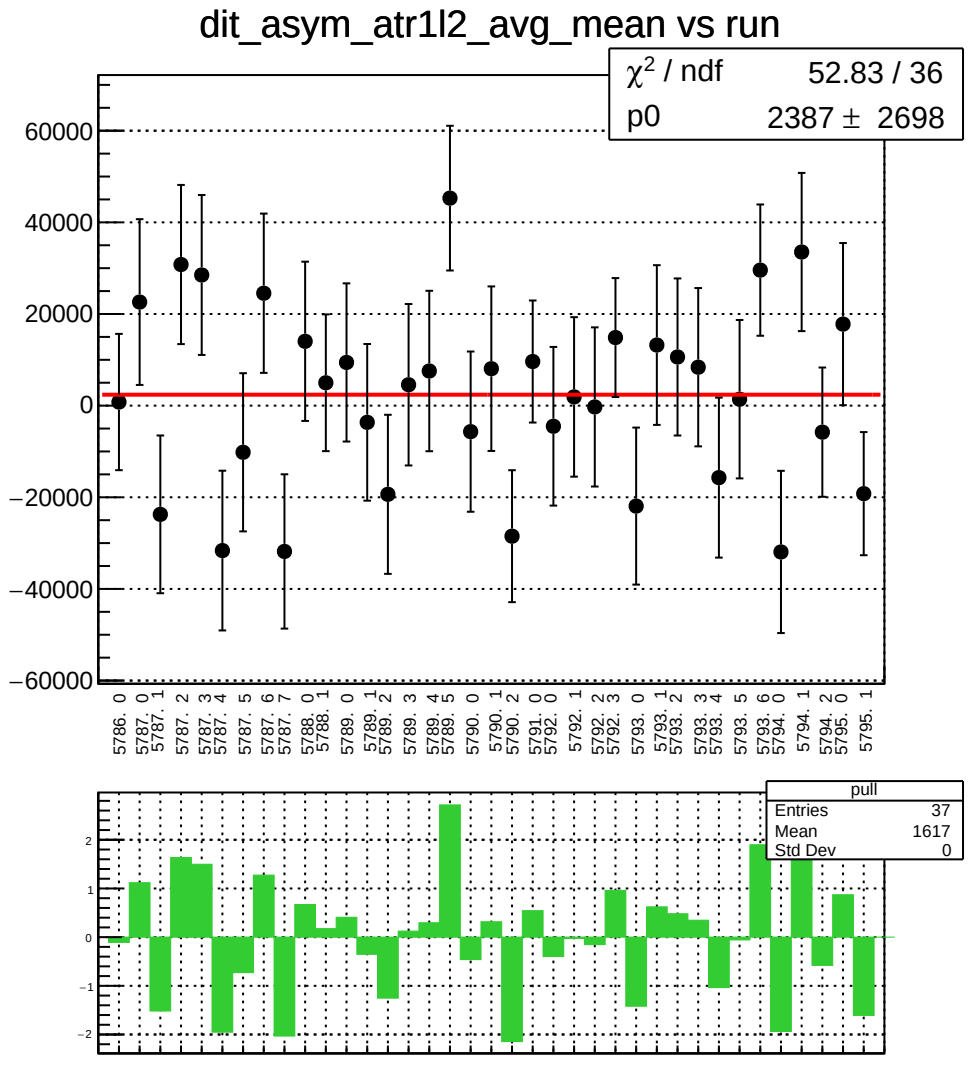

eigen_cor_asym_atr1l2_avg_mean vs run
χ² / ndf 50.84 / 36
p0 2049 ± 2685
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.2
Std Dev 0
2
1
0
−1
−2

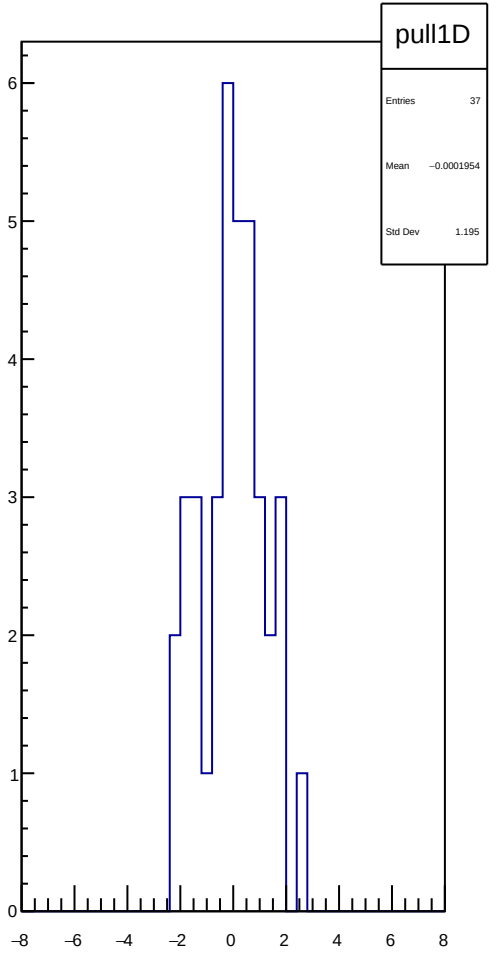

pull1D
Entries 37
Mean −0.003618
Std Dev 1.172
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

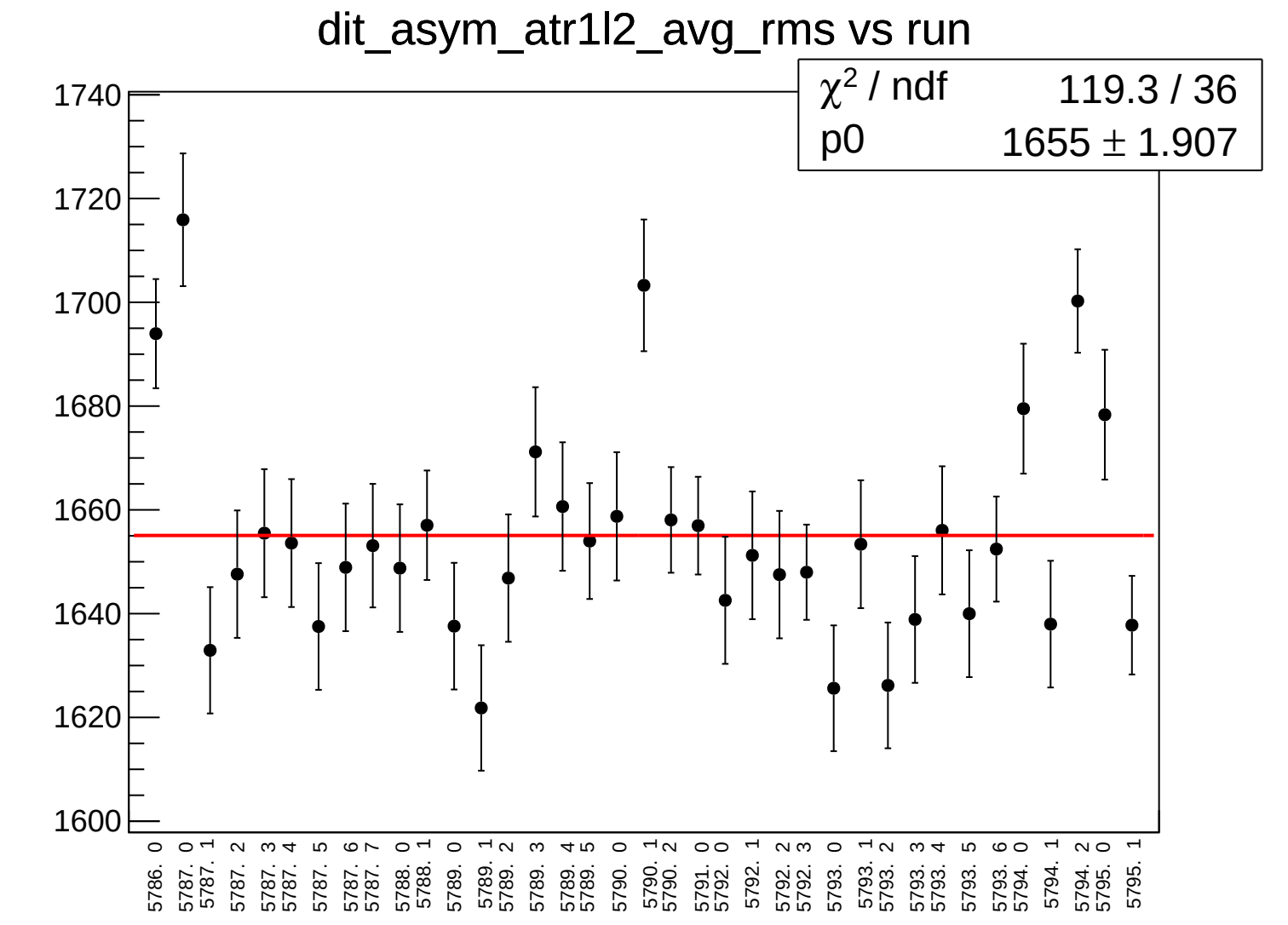

eigen_cor_asym_atr1l2_avg_rms vs run
χ² / ndf 78.06 / 36
p0 1648 ± 1.899
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

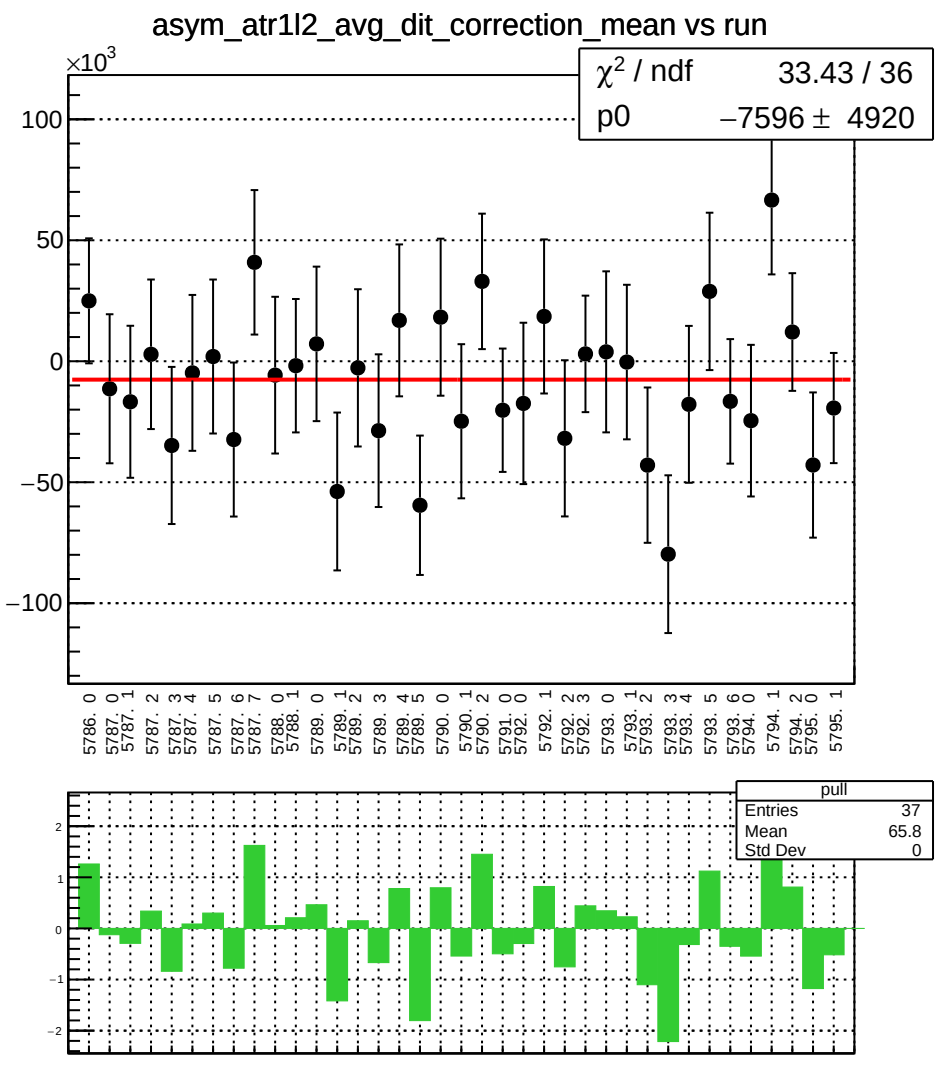

asym_atr1l2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 33.04 / 36
p0 −7954 ± 5068
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.58
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01507
Std Dev 0.9449
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

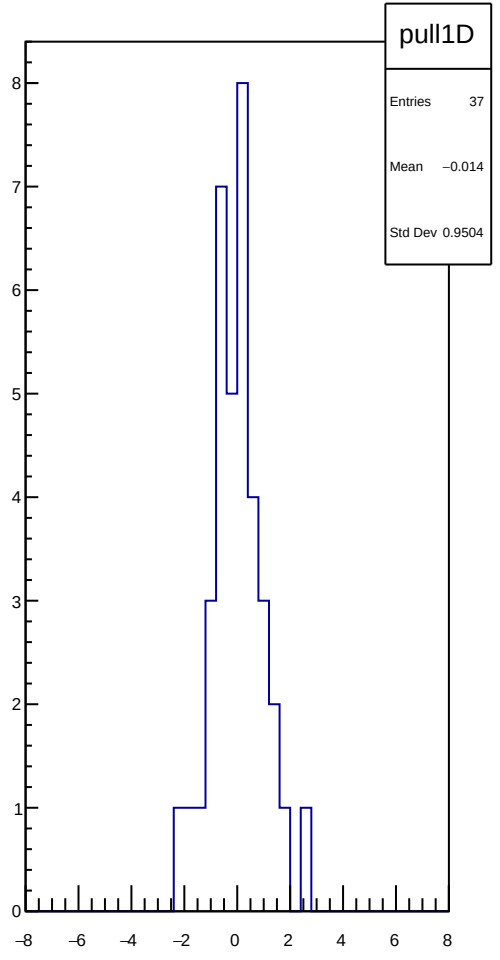

asym_atr1l2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1020 / 36
p0 3108 ± 3.584
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

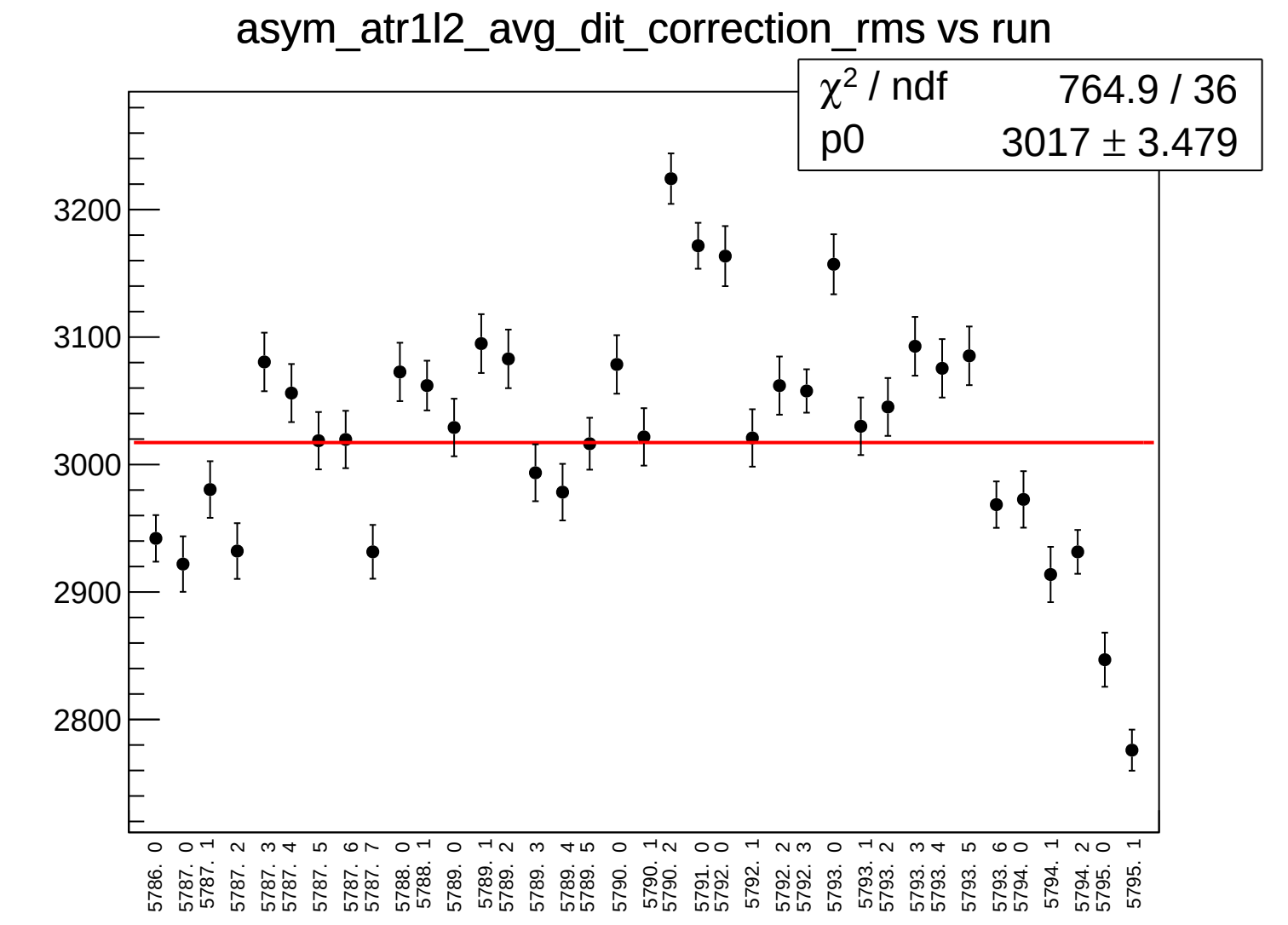

dit_asym_atr1l2_avg_mean vs run
χ² / ndf 52.83 / 36
p0 2387 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1617
Std Dev 0
2
1
0
−1
−2

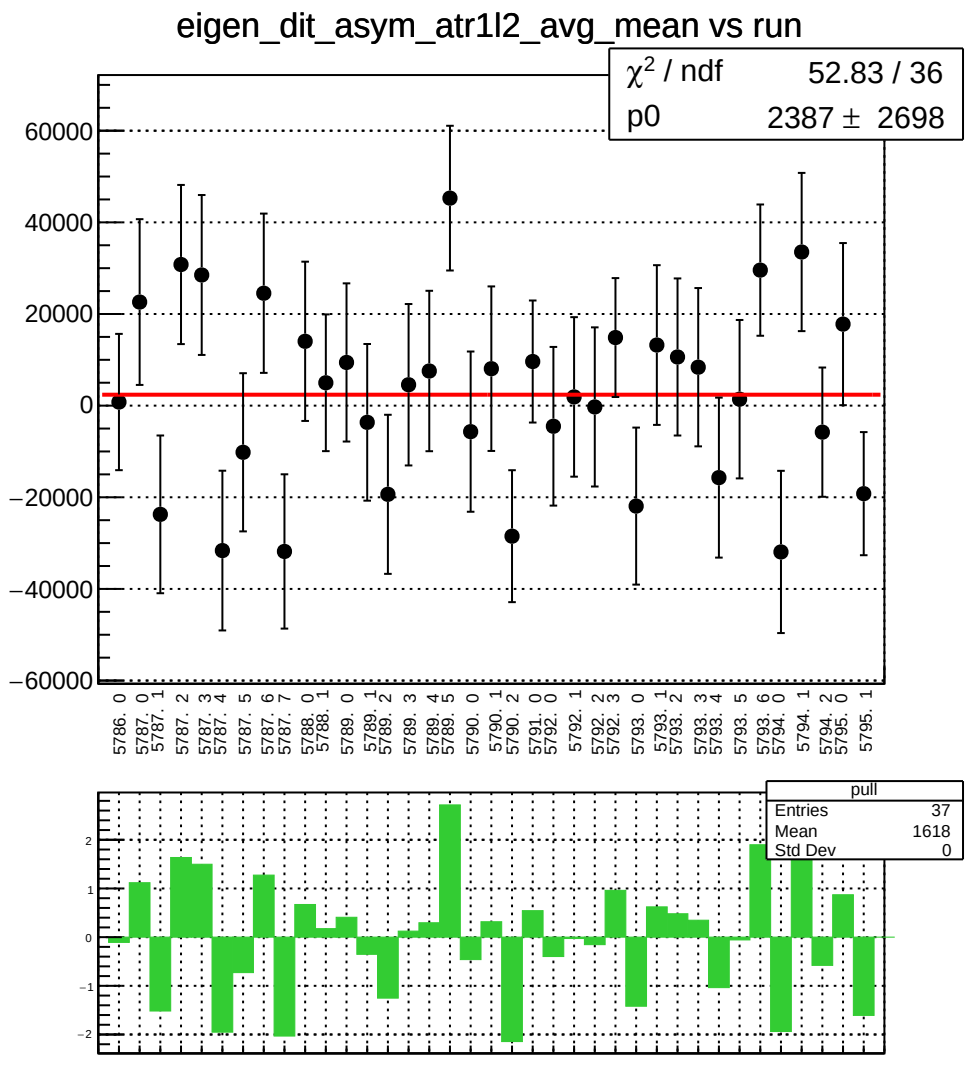

pull1D
Entries 37
Mean −0.0001954
Std Dev 1.195
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

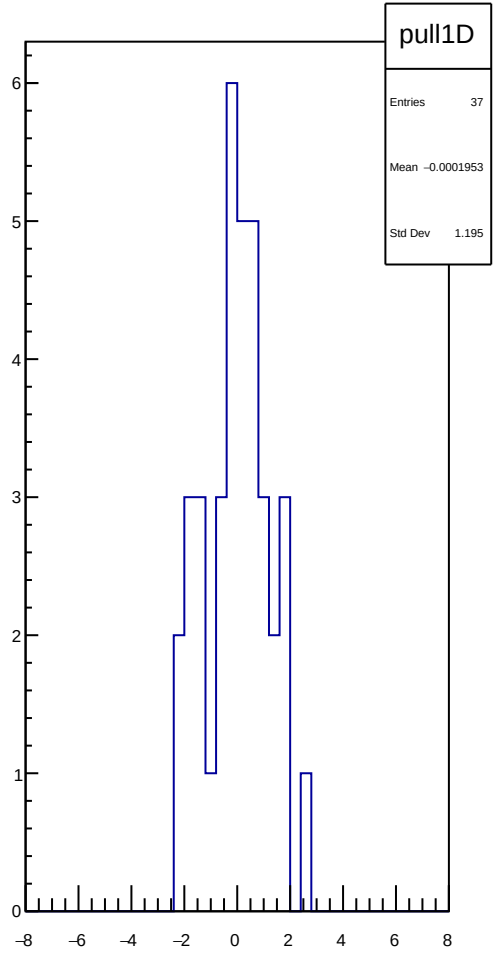

dit_asym_atr1l2_avg_rms vs run
χ² / ndf 119.3 / 36
p0 1655 ± 1.907
1740
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

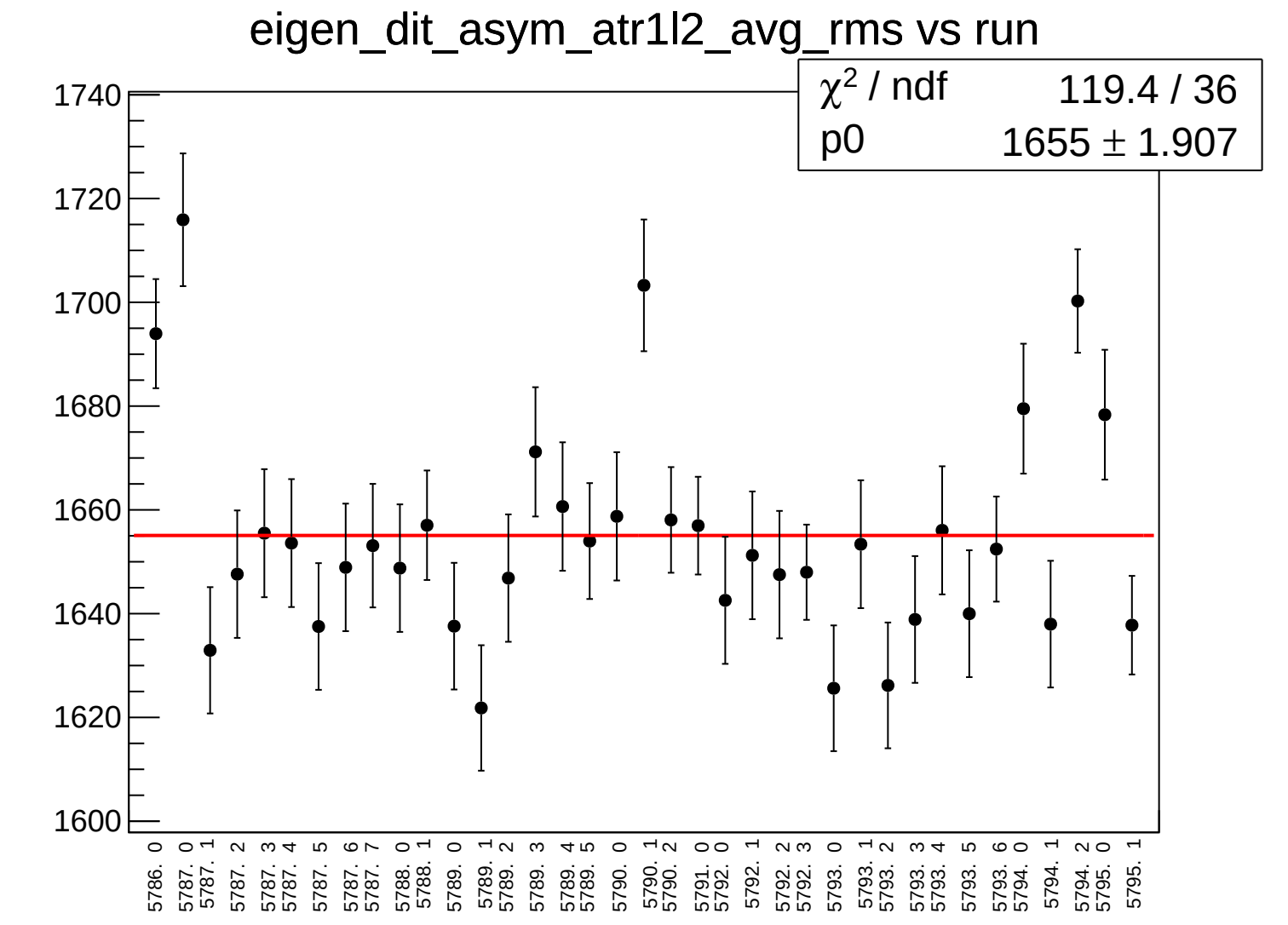

asym_atr1l2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 33.43 / 36
p0 −7596 ± 4920
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.8
Std Dev 0
2
1
0
−1
−2

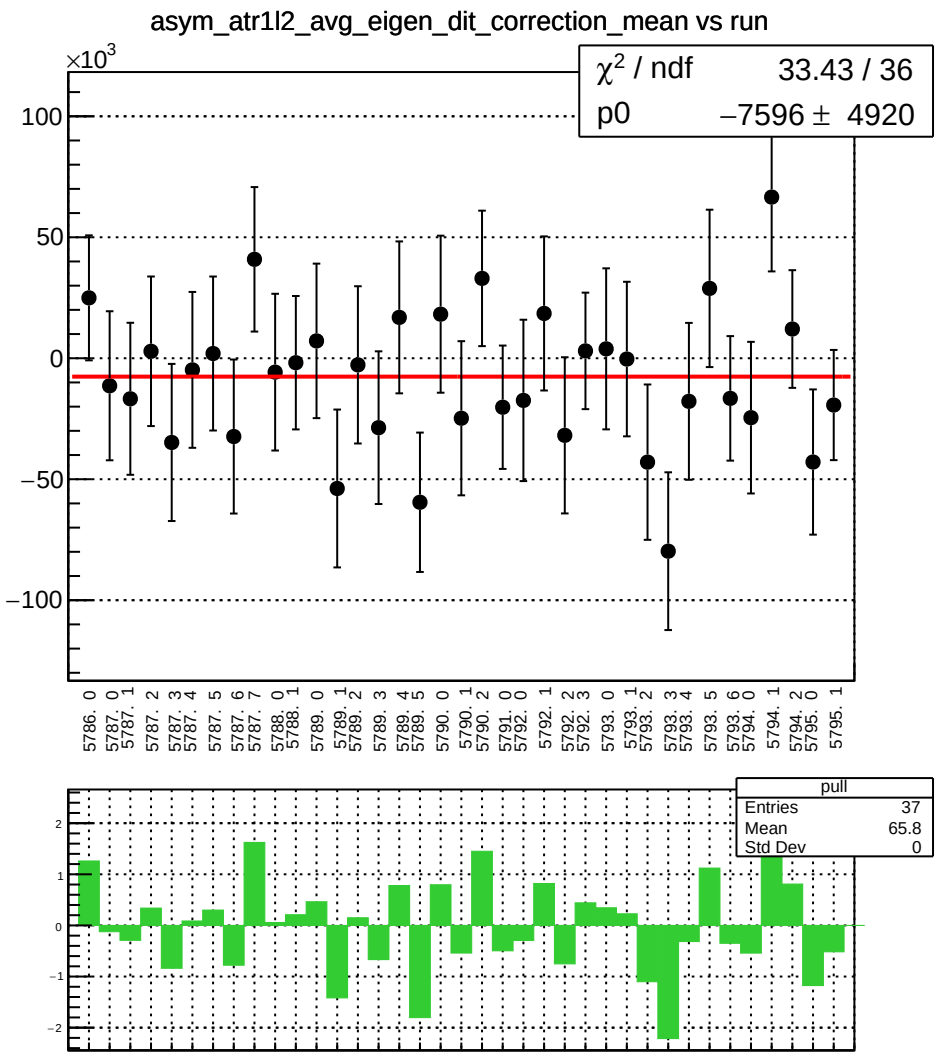

pull1D
Entries 37
Mean −0.014
Std Dev 0.9504
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

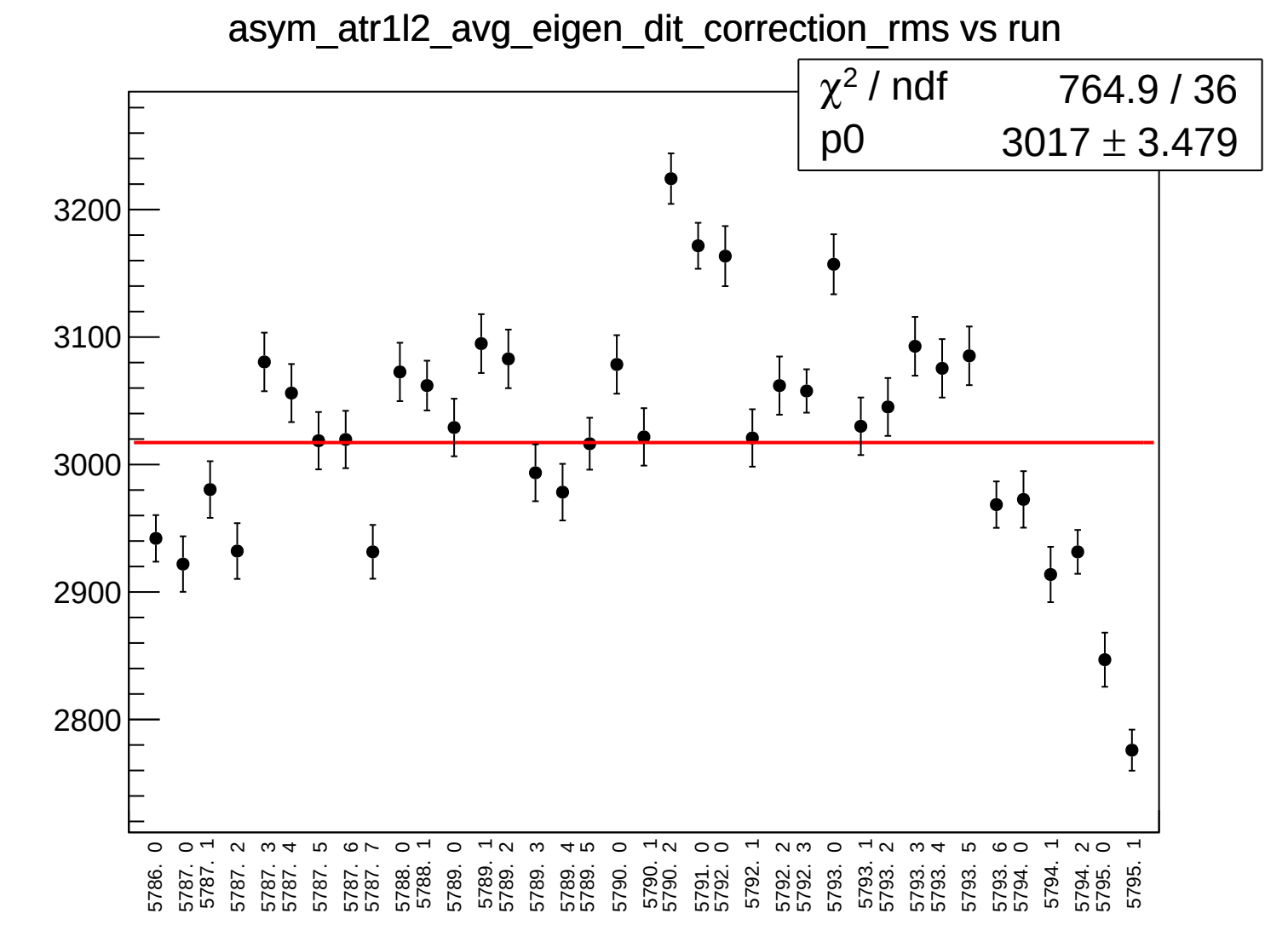

asym_atr1l2_avg_dit_correction_rms vs run
χ² / ndf 764.9 / 36
p0 3017 ± 3.479
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

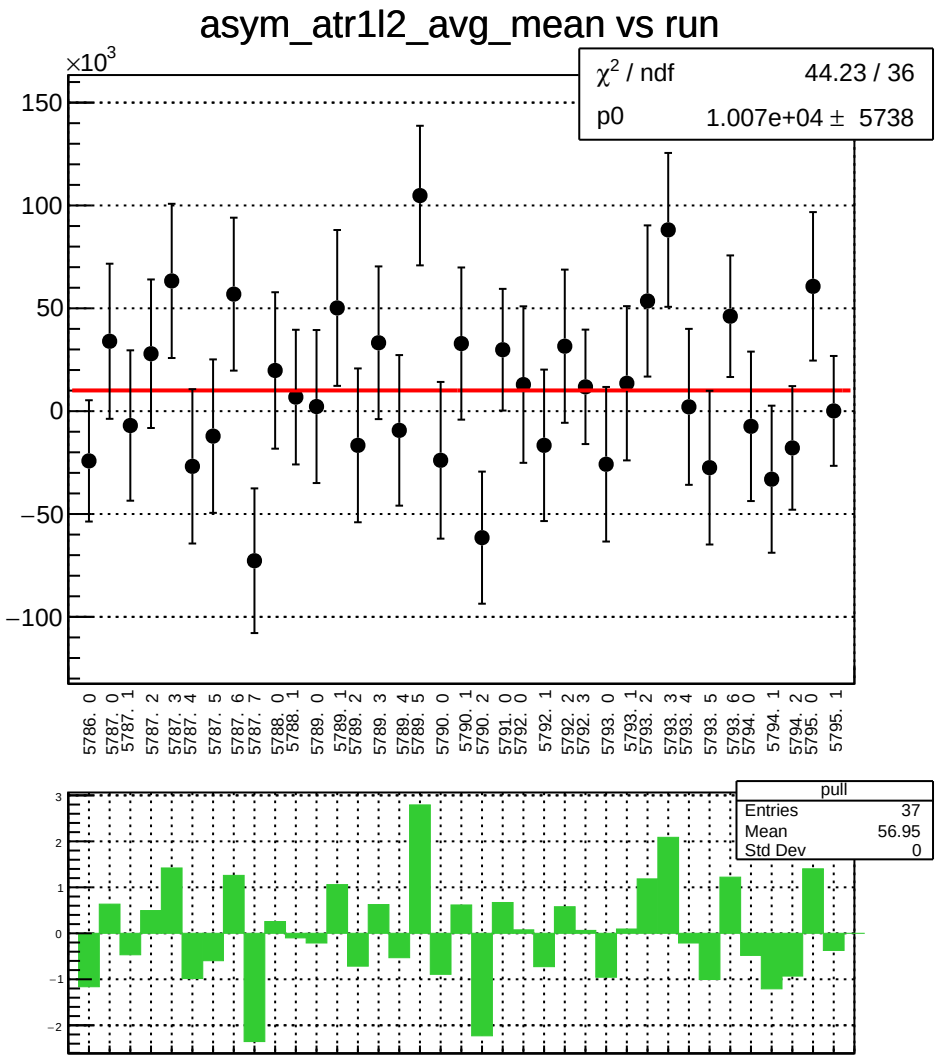

eigen_dit_asym_atr1l2_avg_mean vs run
χ² / ndf 52.83 / 36
p0 2387 ± 2698
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1618
Std Dev 0
2
1
0
−1
−2

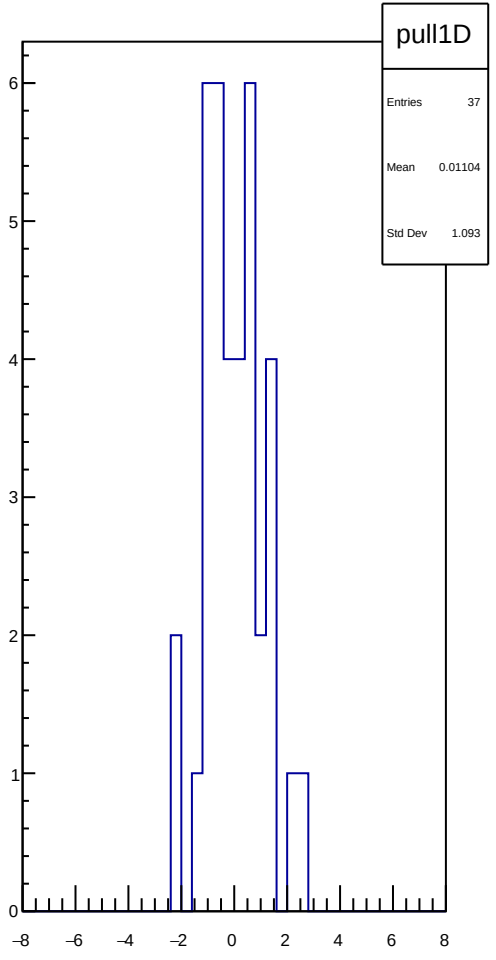

pull1D
Entries 37
Mean −0.0001953
Std Dev 1.195
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

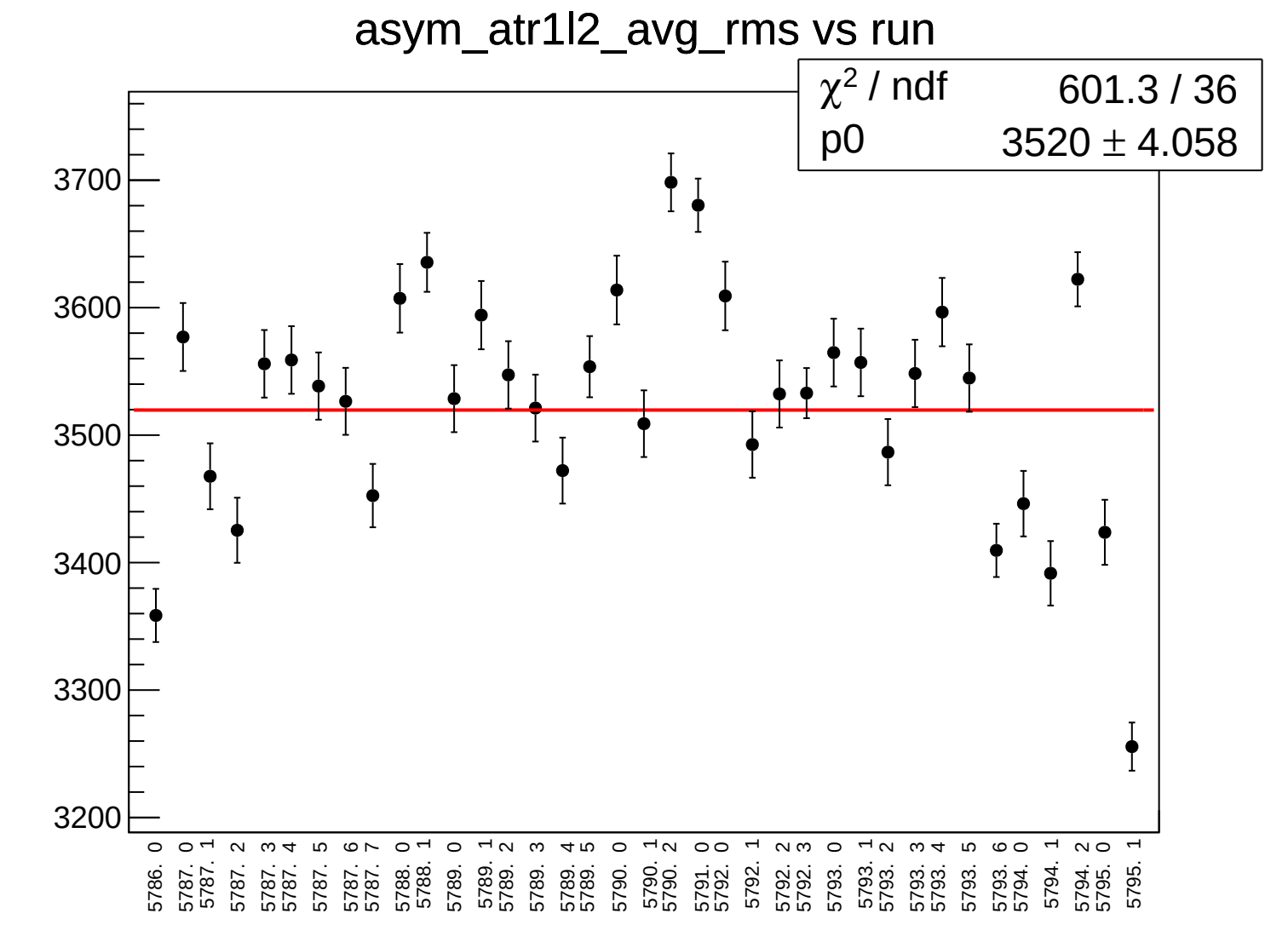

eigen_dit_asym_atr1l2_avg_rms vs run
χ² / ndf 119.4 / 36
p0 1655 ± 1.907
1740
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

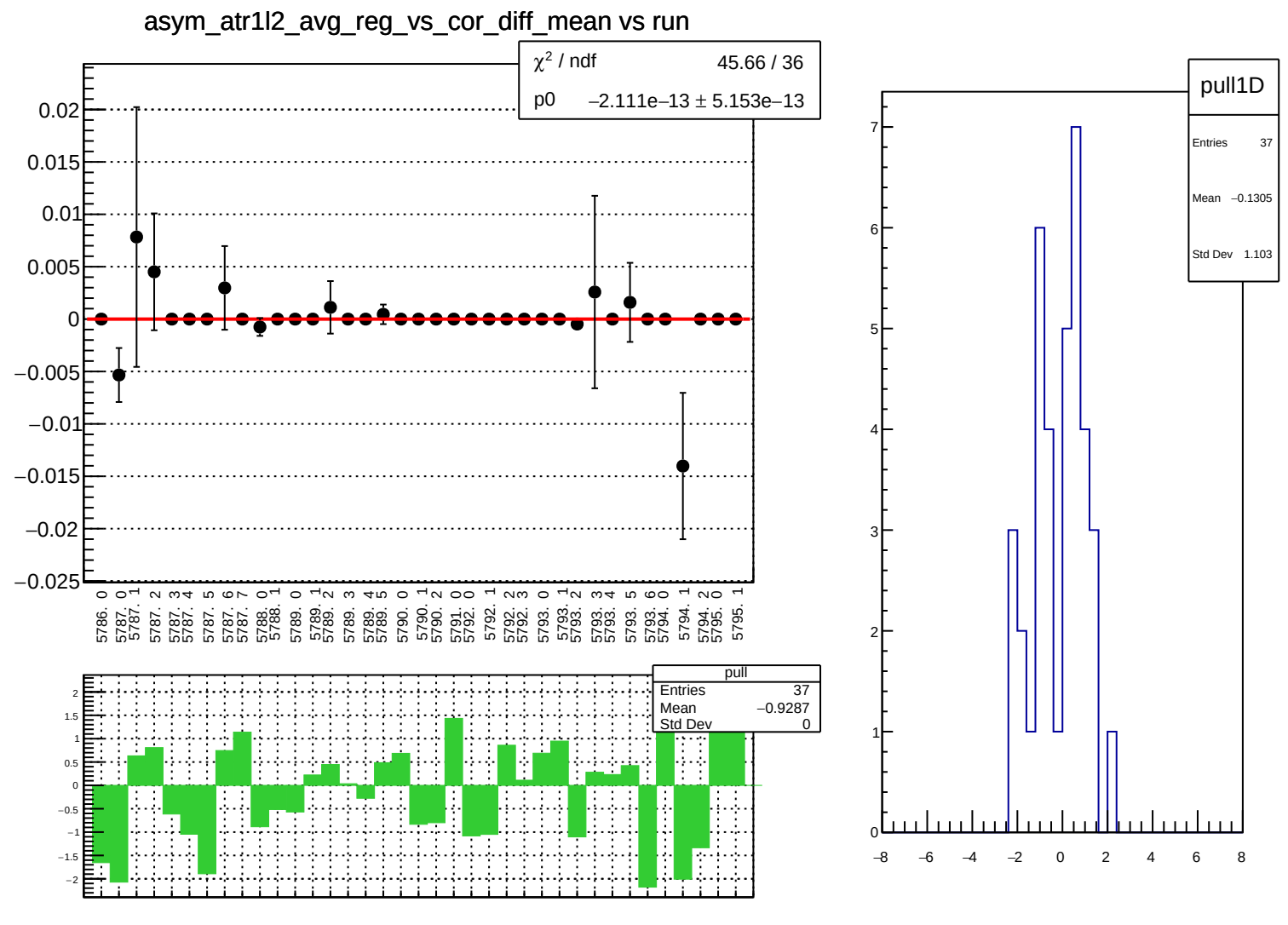

asym_atr1l2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 33.43 / 36
p0 −7596 ± 4920
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.014
Std Dev 0.9504
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

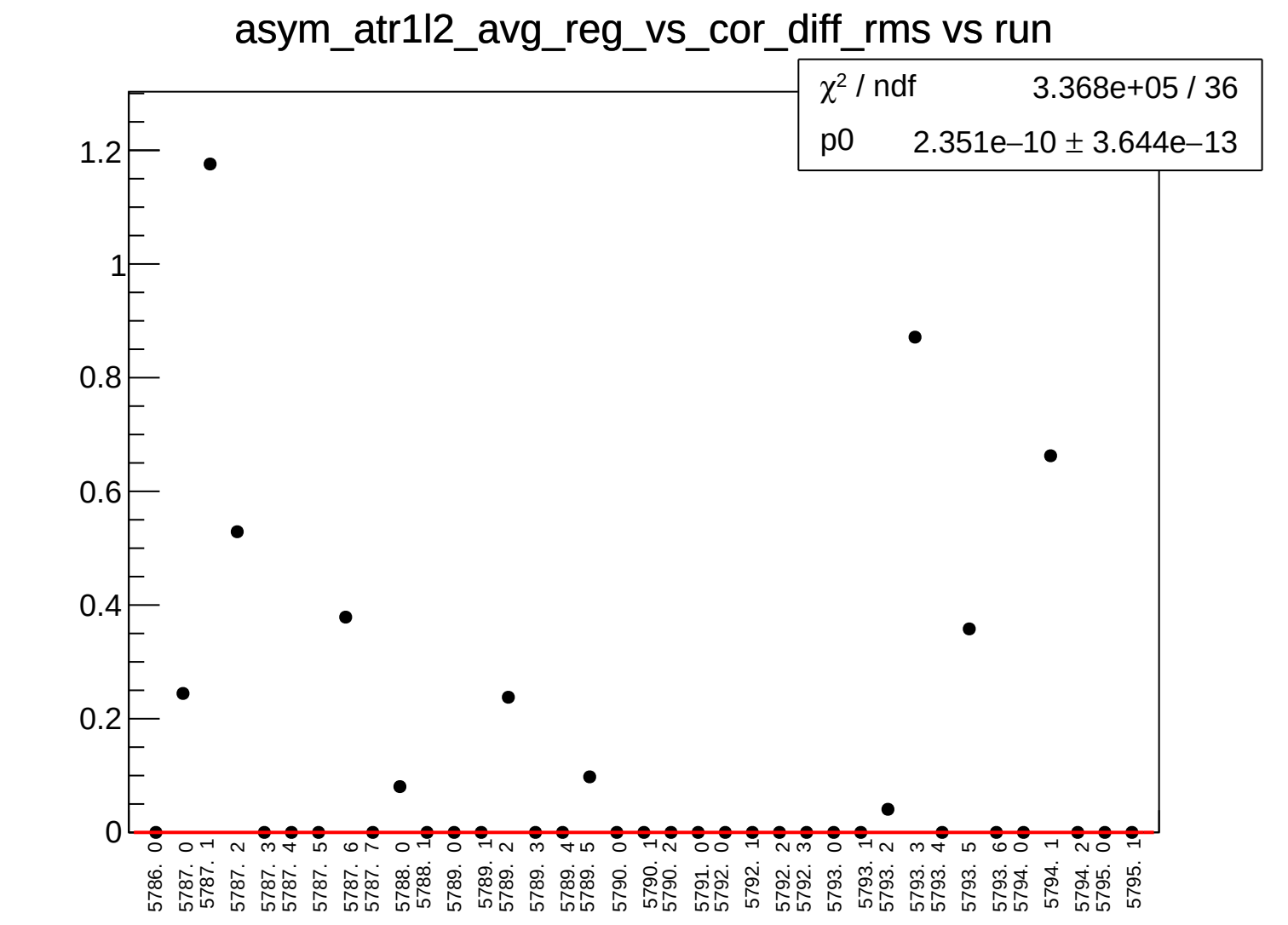

asym_atr1l2_avg_eigen_dit_correction_rms vs run
χ² / ndf 764.9 / 36
p0 3017 ± 3.479
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

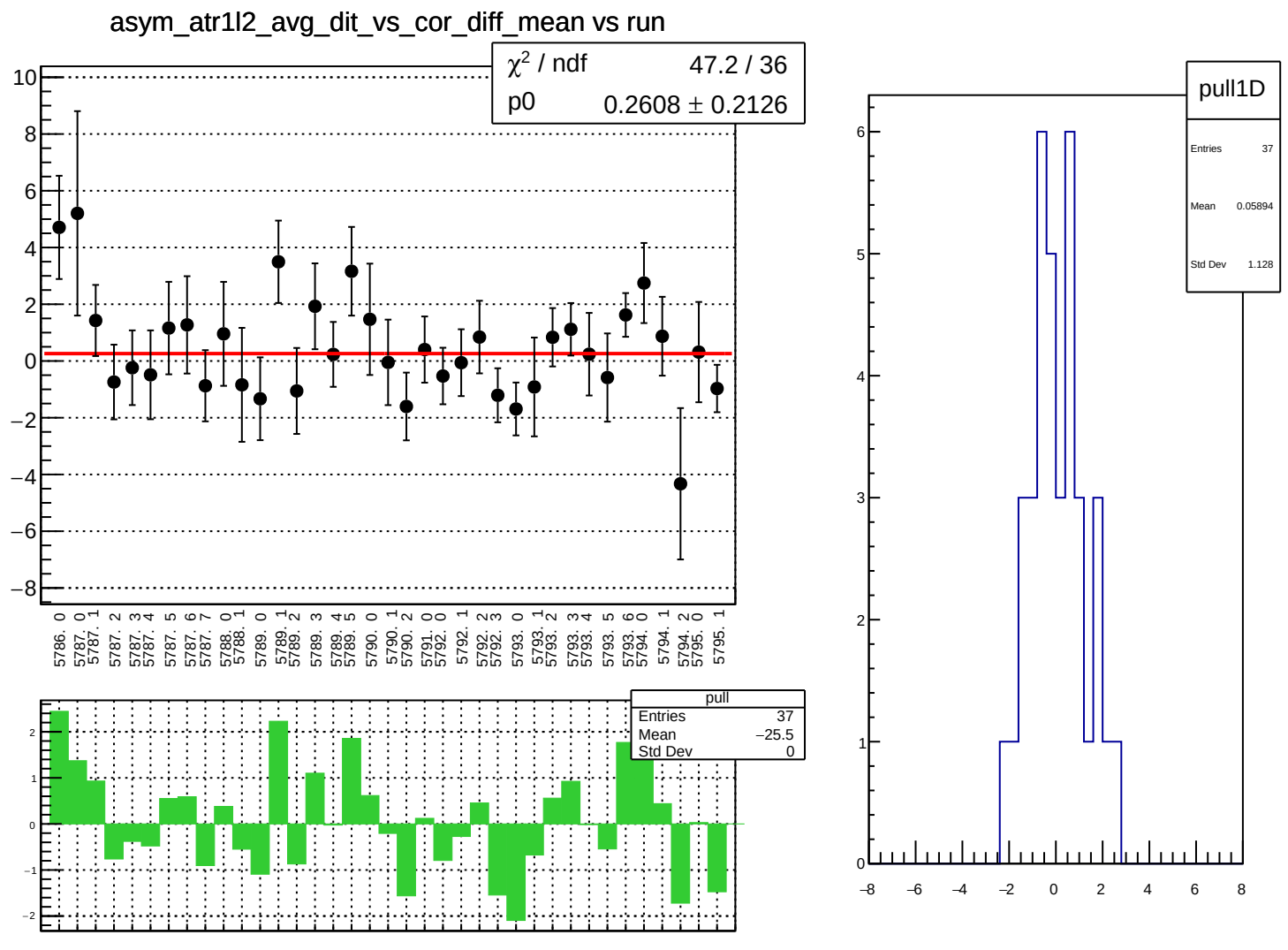

asym_atr1l2_avg_mean vs run
×10^3
χ² / ndf 44.23 / 36
p0 1.007e+04 ± 5738
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 56.95
Std Dev 0
3
2
1
0
−1
−2

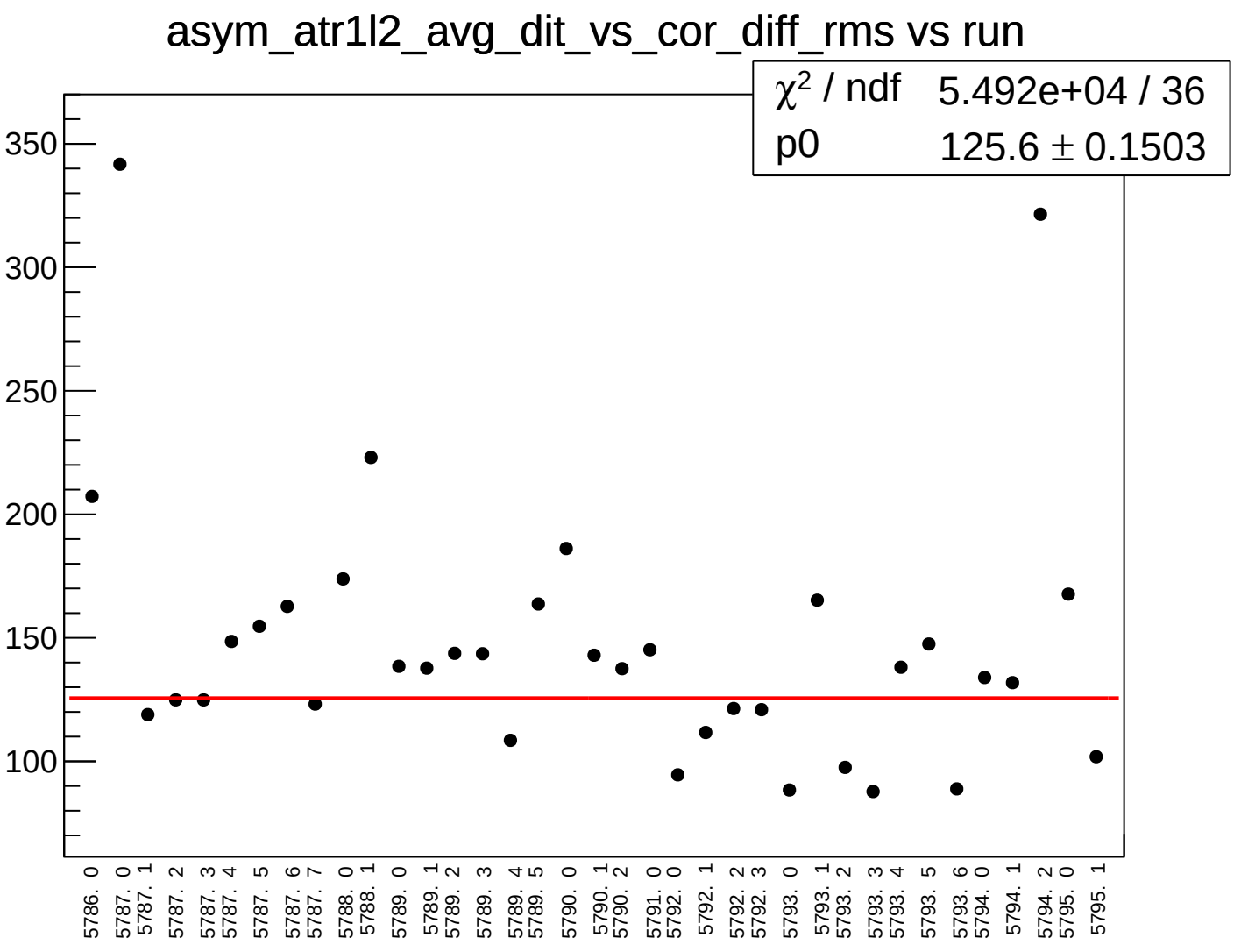

pull1D
Entries 37
Mean 0.01104
Std Dev 1.093
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

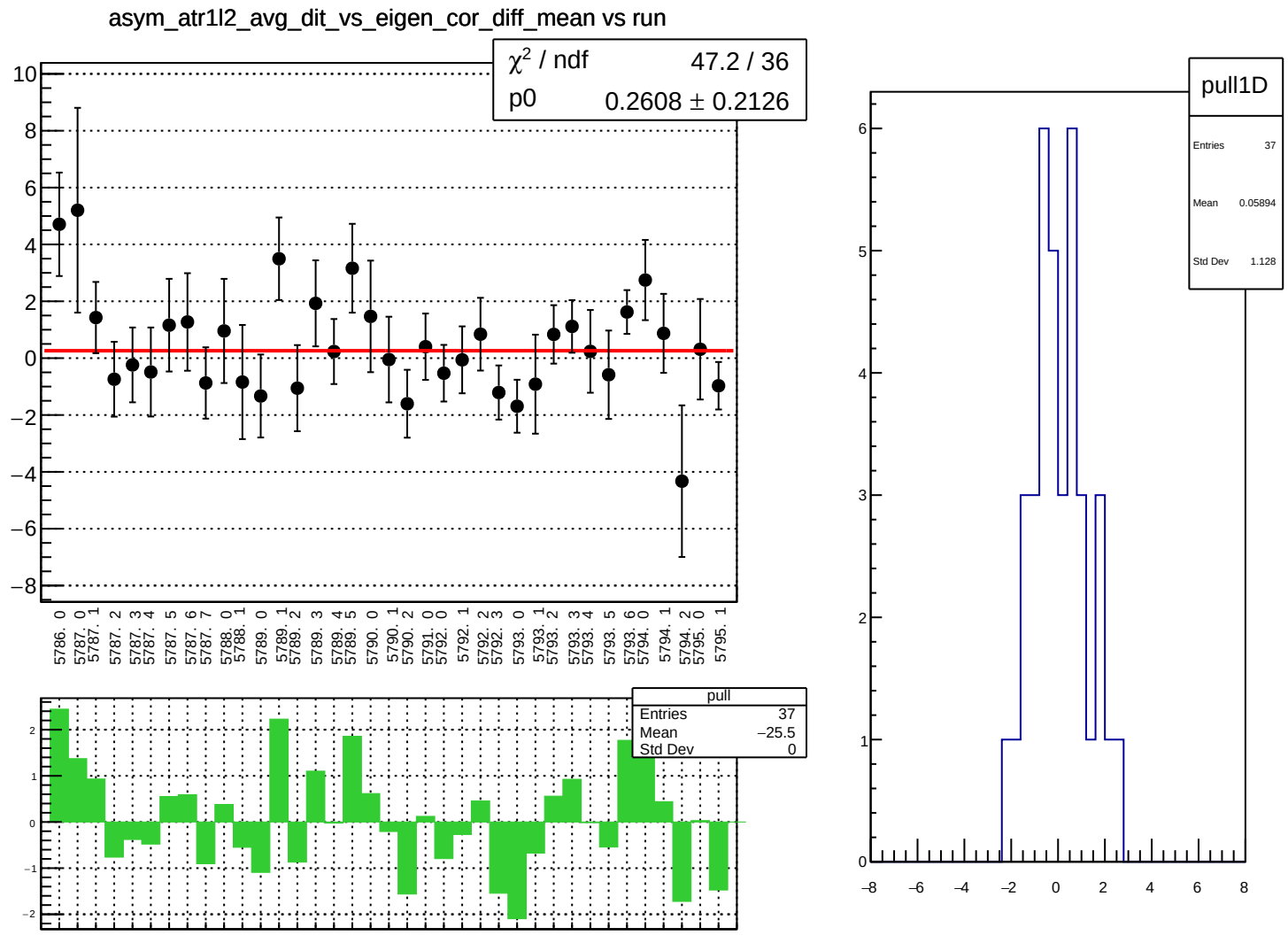

asym_atr1l2_avg_rms vs run
χ² / ndf 601.3 / 36
p0 3520 ± 4.058
3700
3600
3500
3400
3300
3200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

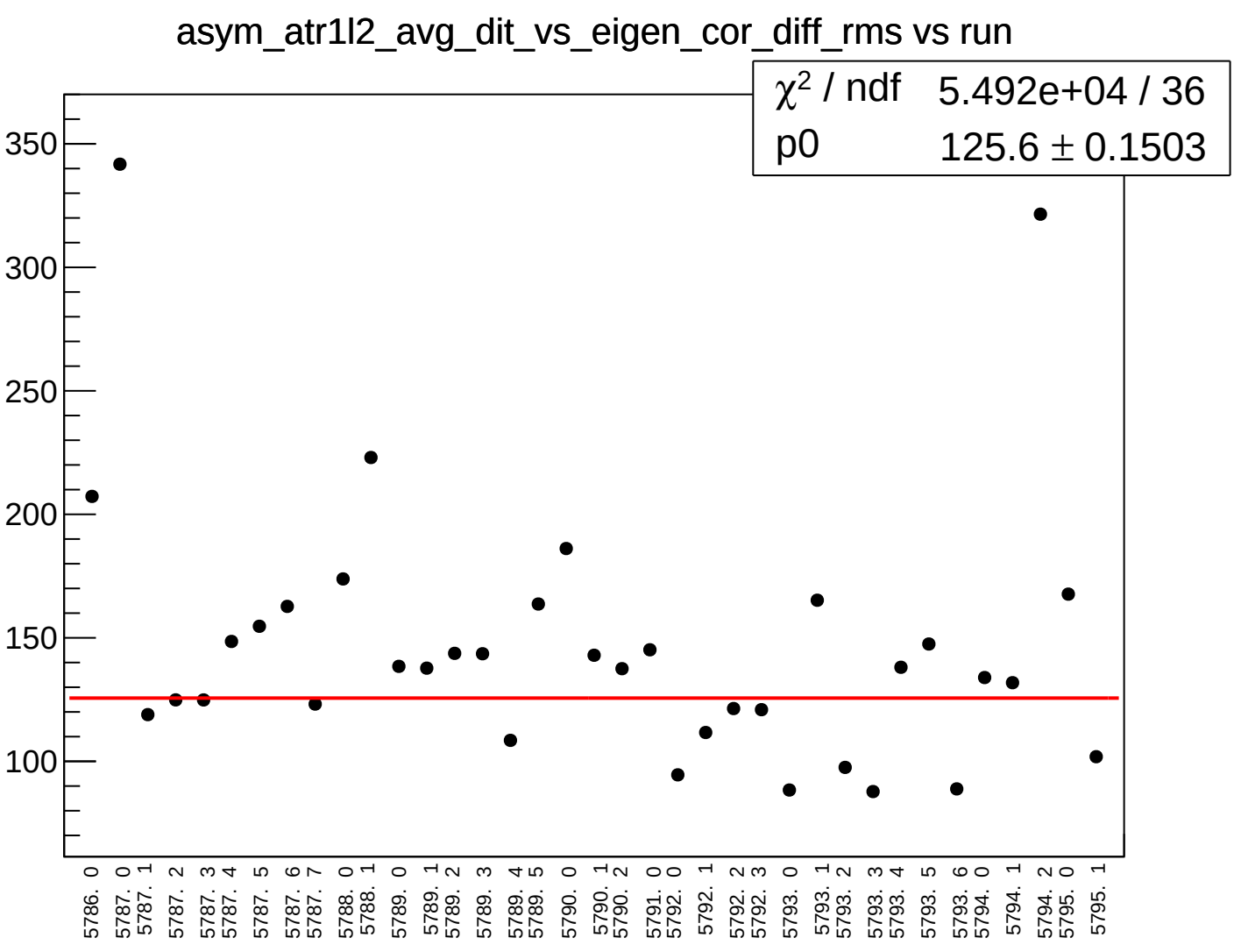

asym_atr1l2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.66 / 36
p0 −2.111e−13 ± 5.153e−13
pull
Entries 37
Mean −0.9287
Std Dev 0
pull1D
Entries 37
Mean −0.1305
Std Dev 1.103

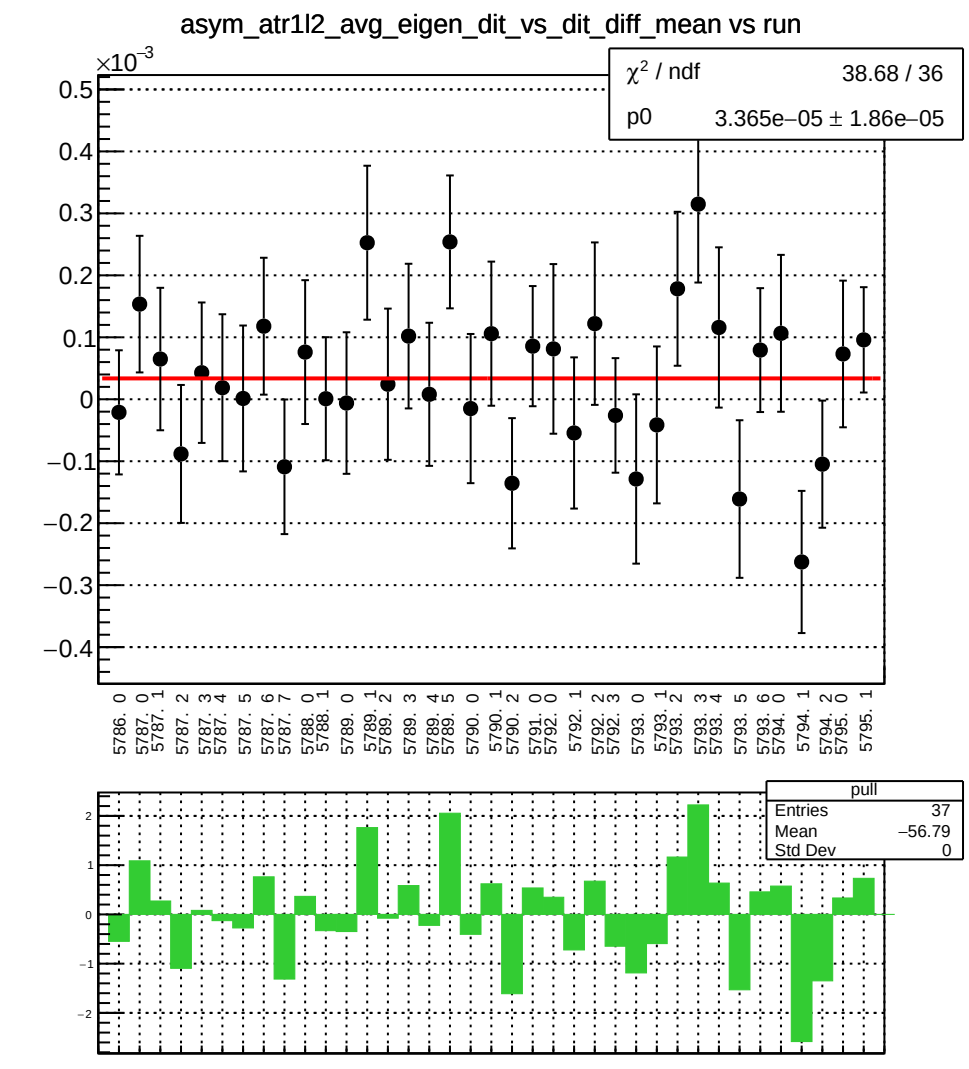

asym_atr1l2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.368e+05 / 36
p0 2.351e−10 ± 3.644e−13
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

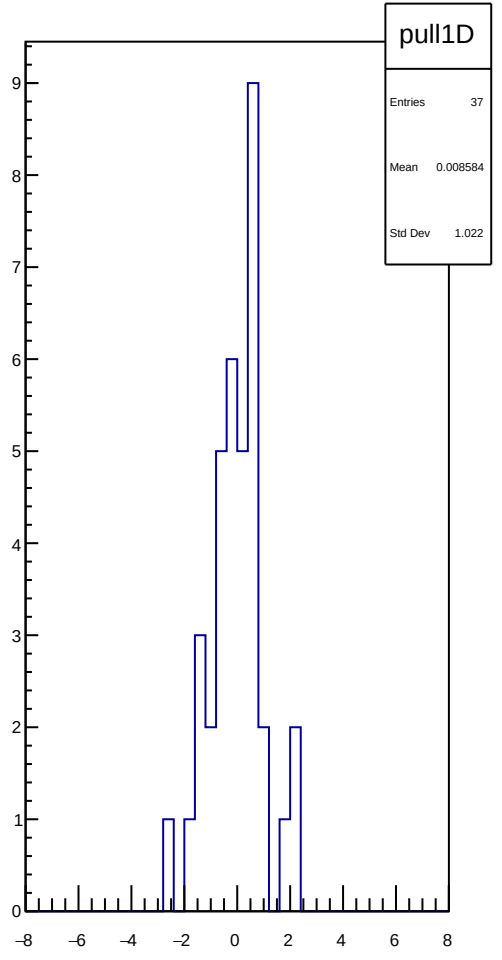

asym_atr1l2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.2 / 36
p0 0.2608 ± 0.2126
pull
Entries 37
Mean −25.5
Std Dev 0
pull1D
Entries 37
Mean 0.05894
Std Dev 1.128

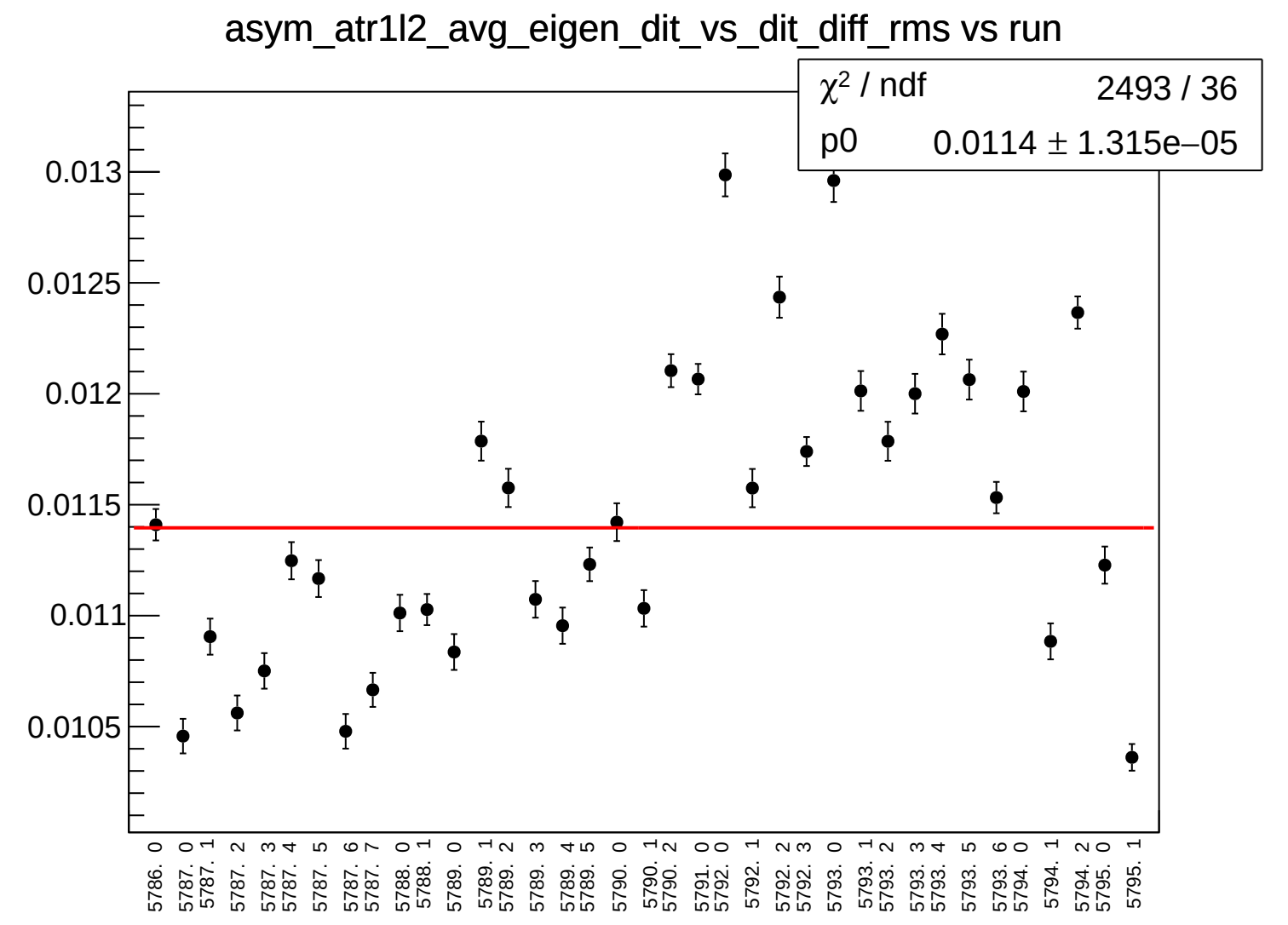

asym_atr1l2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.492e+04 / 36
p0 125.6 ± 0.1503
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

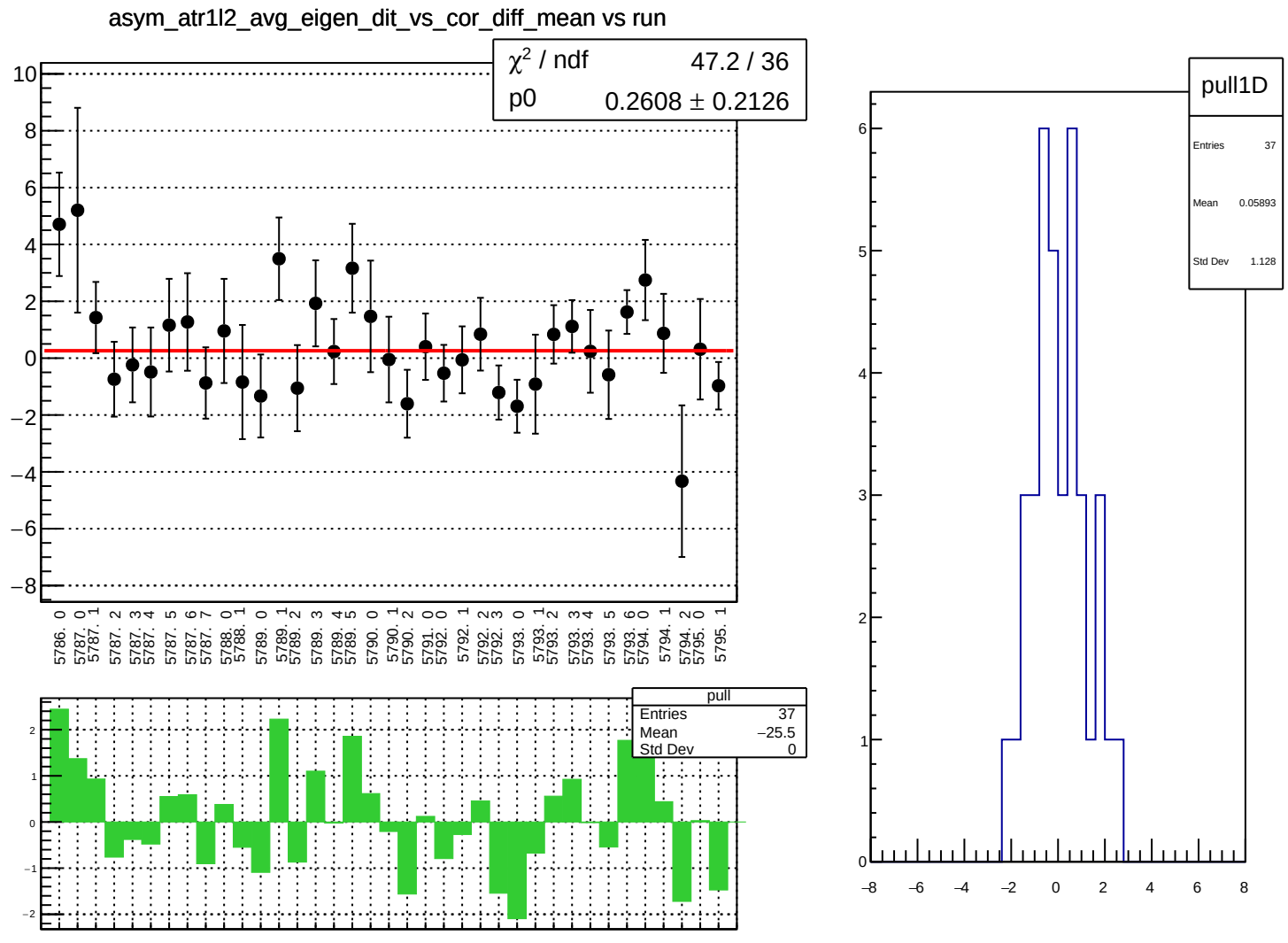

asym_atr1l2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.2 / 36
p0 0.2608 ± 0.2126
pull
Entries 37
Mean −25.5
Std Dev 0
pull1D
Entries 37
Mean 0.05894
Std Dev 1.128

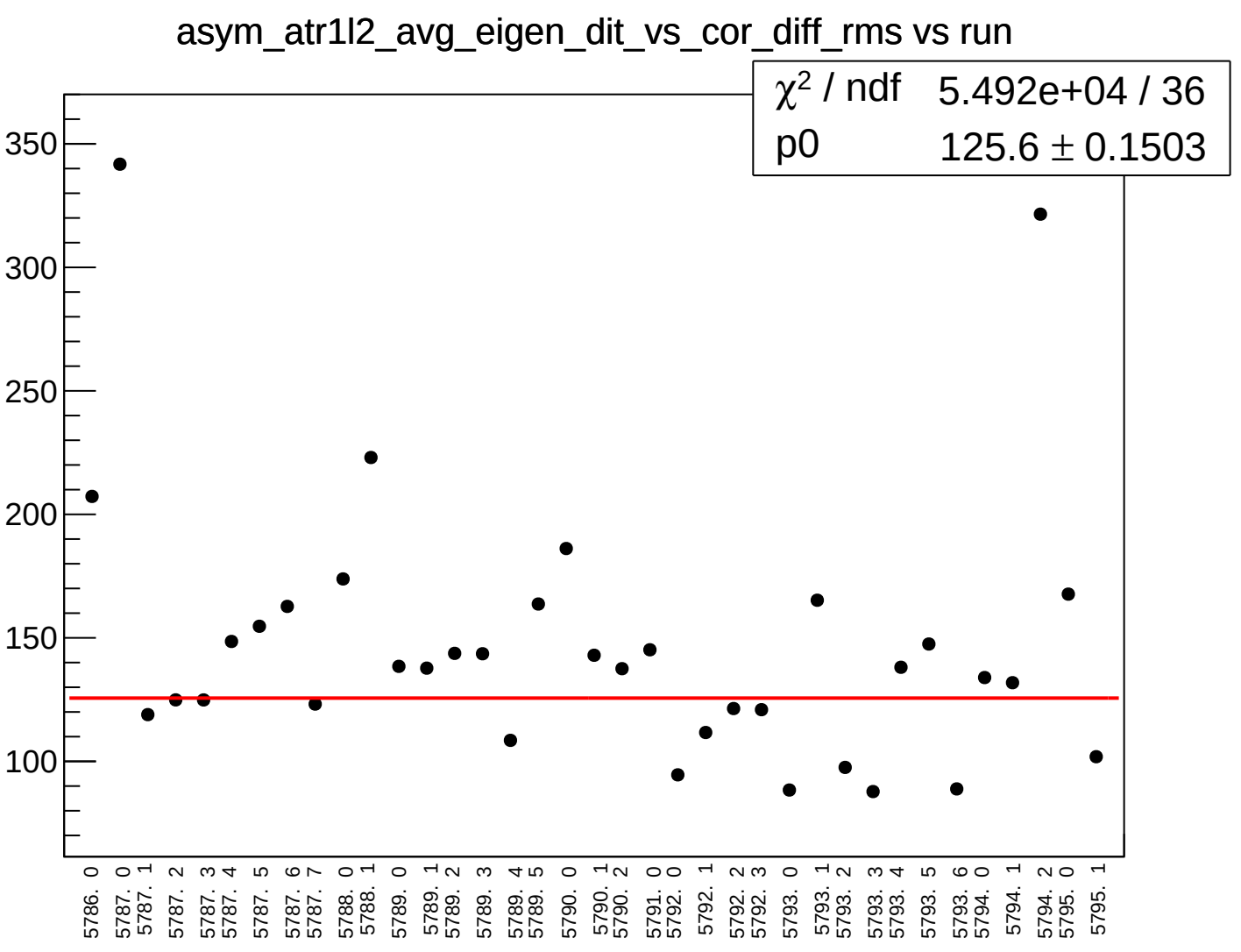

asym_atr1l2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.492e+04 / 36
p0 125.6 ± 0.1503
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

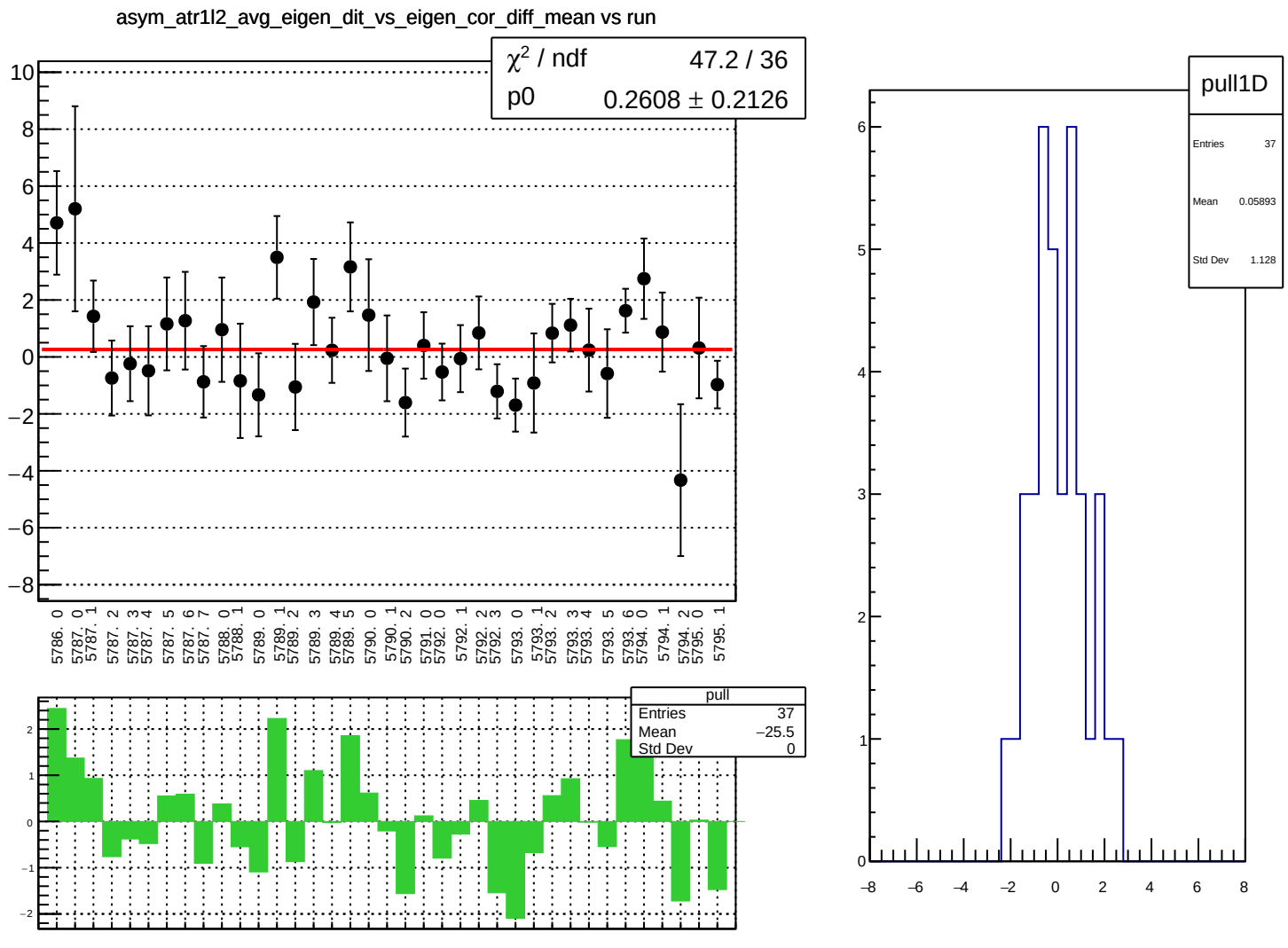

asym_atr1l2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.68 / 36
p0 3.365e−05 ± 1.86e−05
pull
Entries 37
Mean −56.79
Std Dev 0

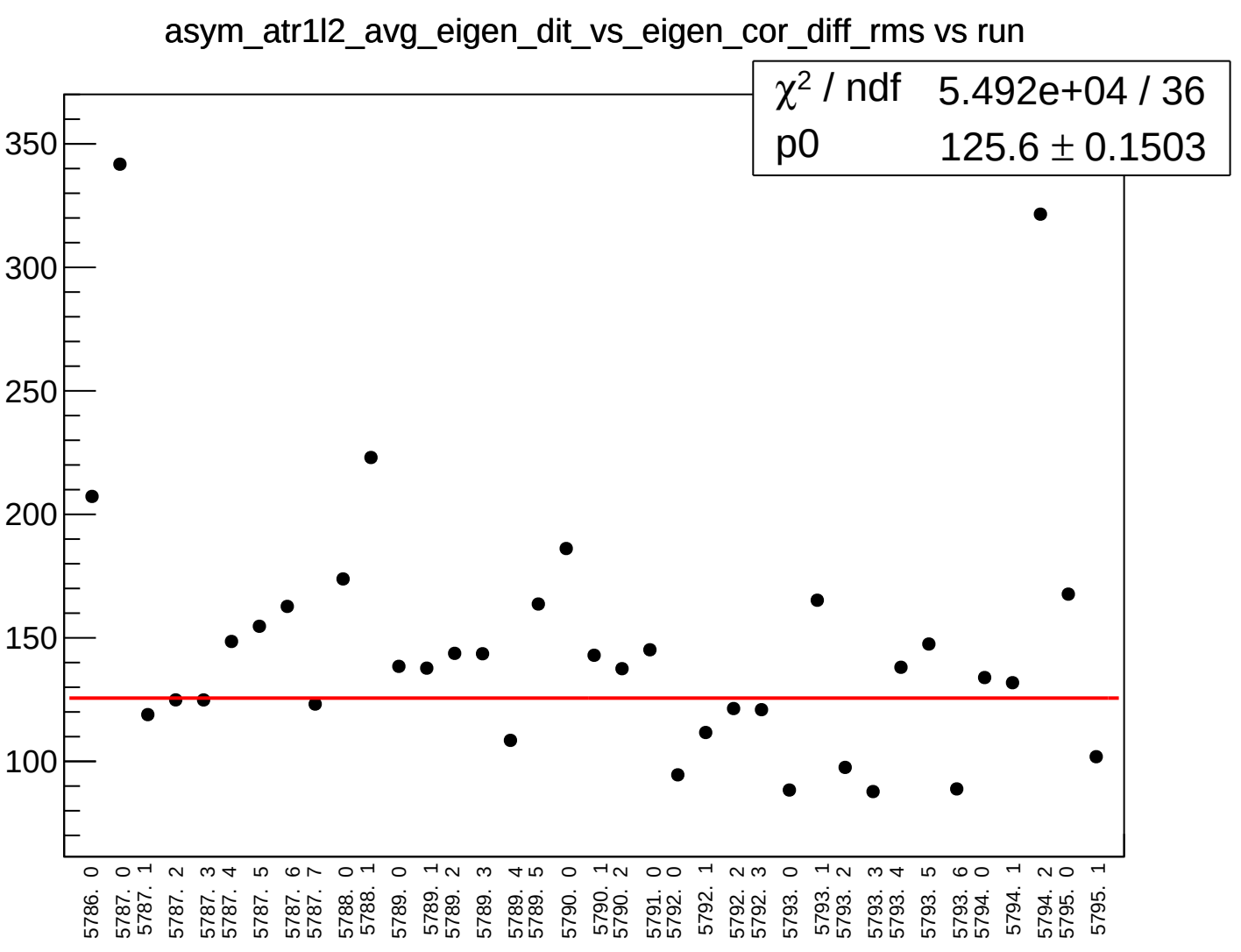

pull1D
Entries 37
Mean 0.008584
Std Dev 1.022

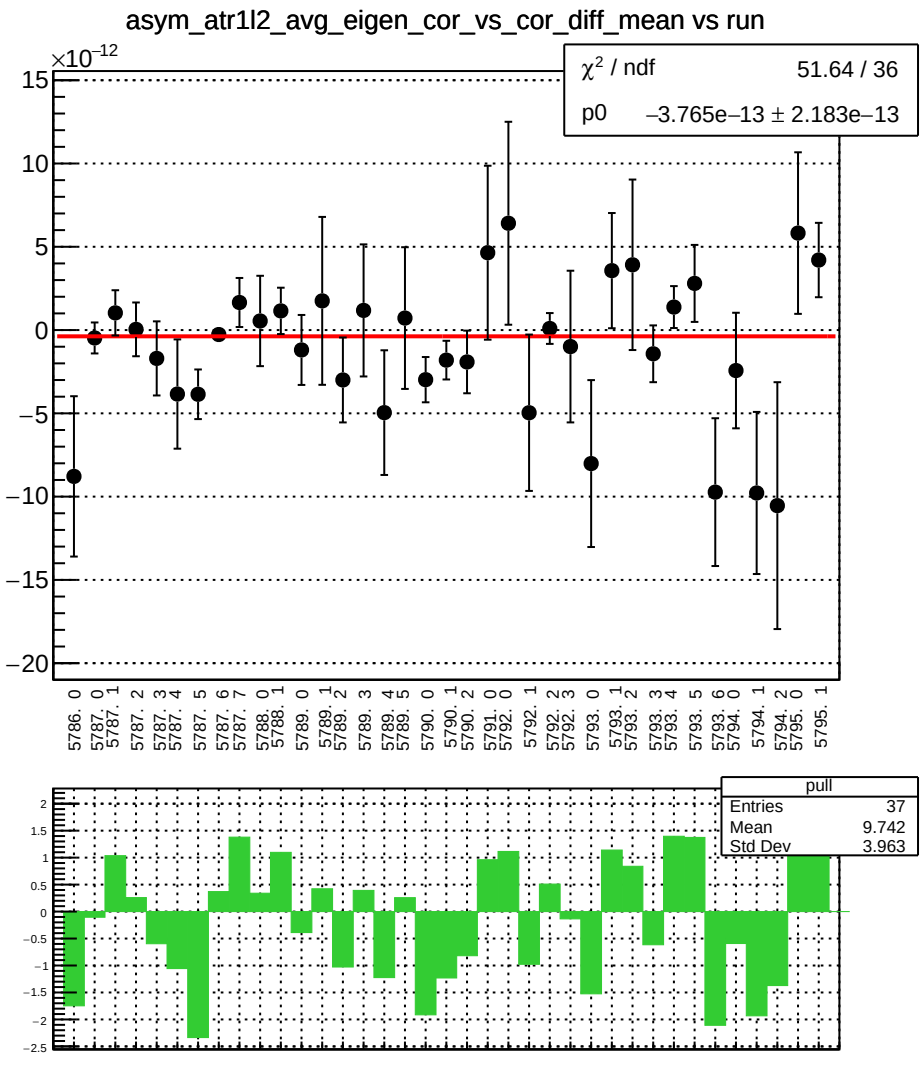

asym_atr1l2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2493 / 36
p0 0.0114 ± 1.315e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

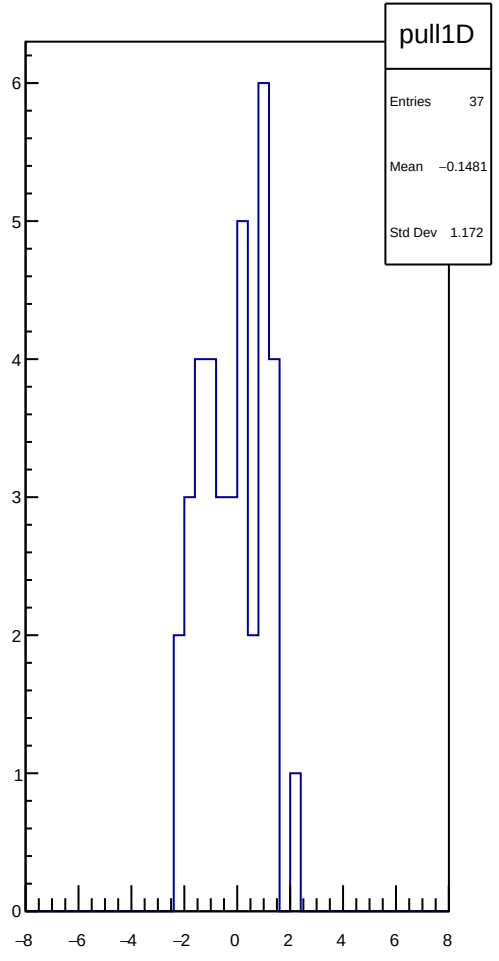

asym_atr1l2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.2 / 36
p0 0.2608 ± 0.2126
pull
Entries 37
Mean −25.5
Std Dev 0
pull1D
Entries 37
Mean 0.05893
Std Dev 1.128

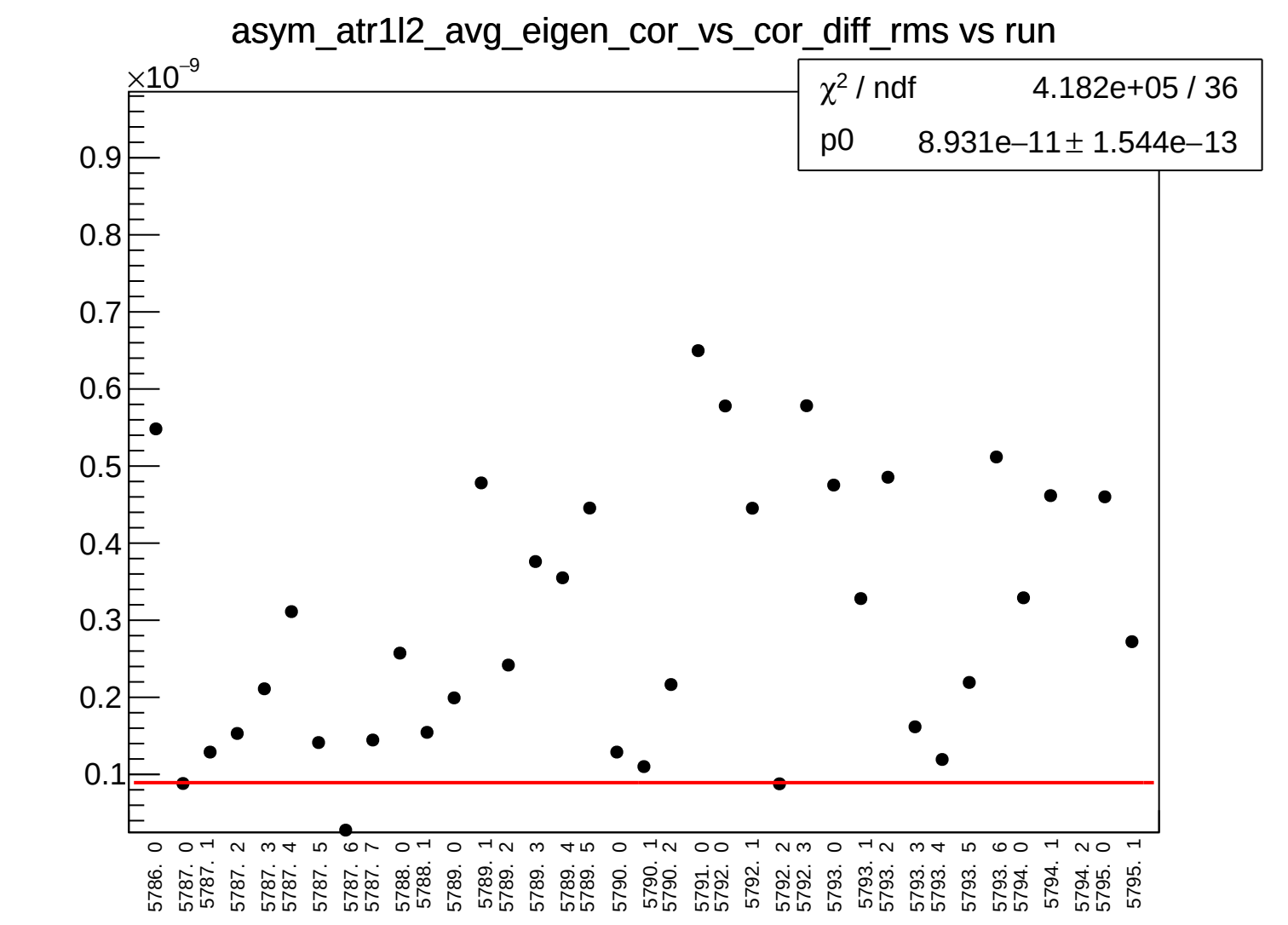

asym_atr1l2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.492e+04 / 36
p0 125.6 ± 0.1503
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

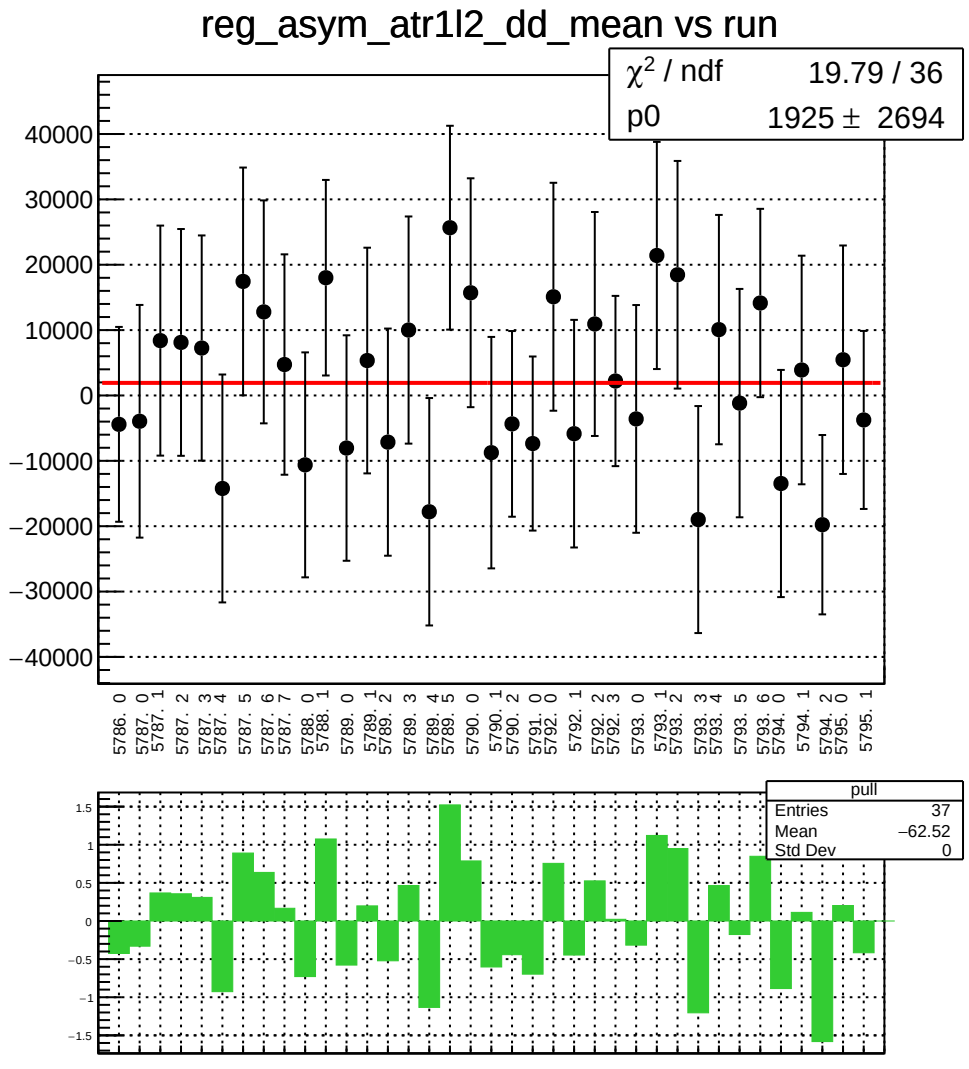

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.2 / 36
p0 0.2608 ± 0.2126
pull
Entries 37
Mean −25.5
Std Dev 0
pull1D
Entries 37
Mean 0.05893
Std Dev 1.128

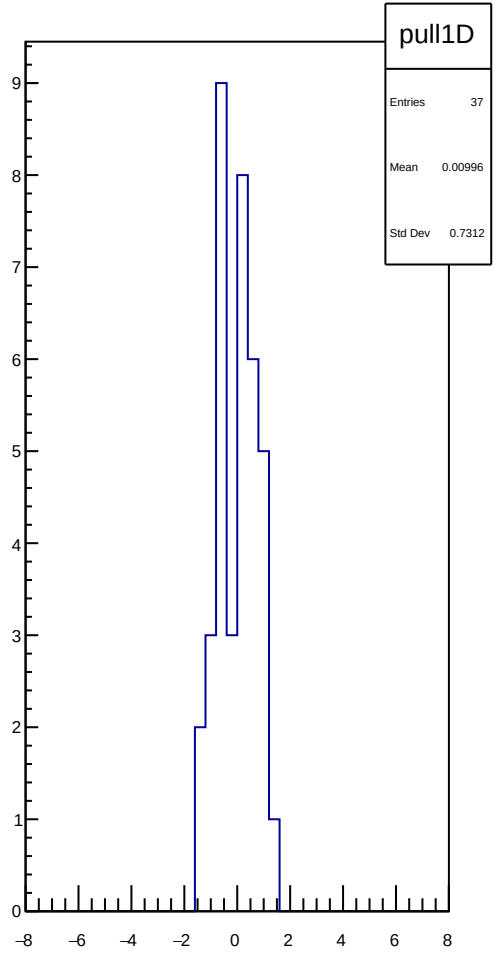

asym_atr1l2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.492e+04 / 36
p0 125.6 ± 0.1503
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

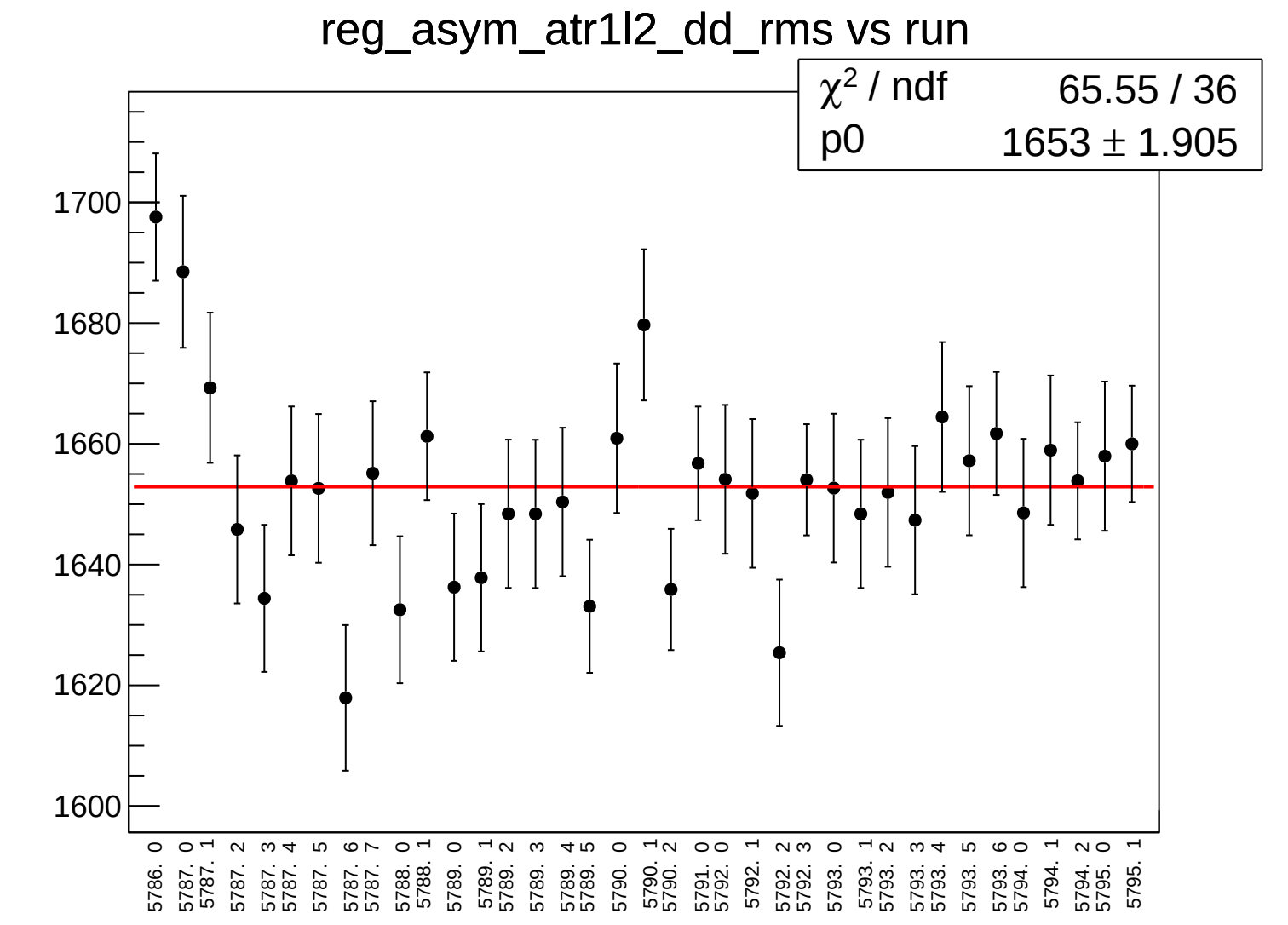

asym_atr1l2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.64 / 36
p0 −3.765e−13 ± 2.183e−13
pull
Entries 37
Mean 9.742
Std Dev 3.963

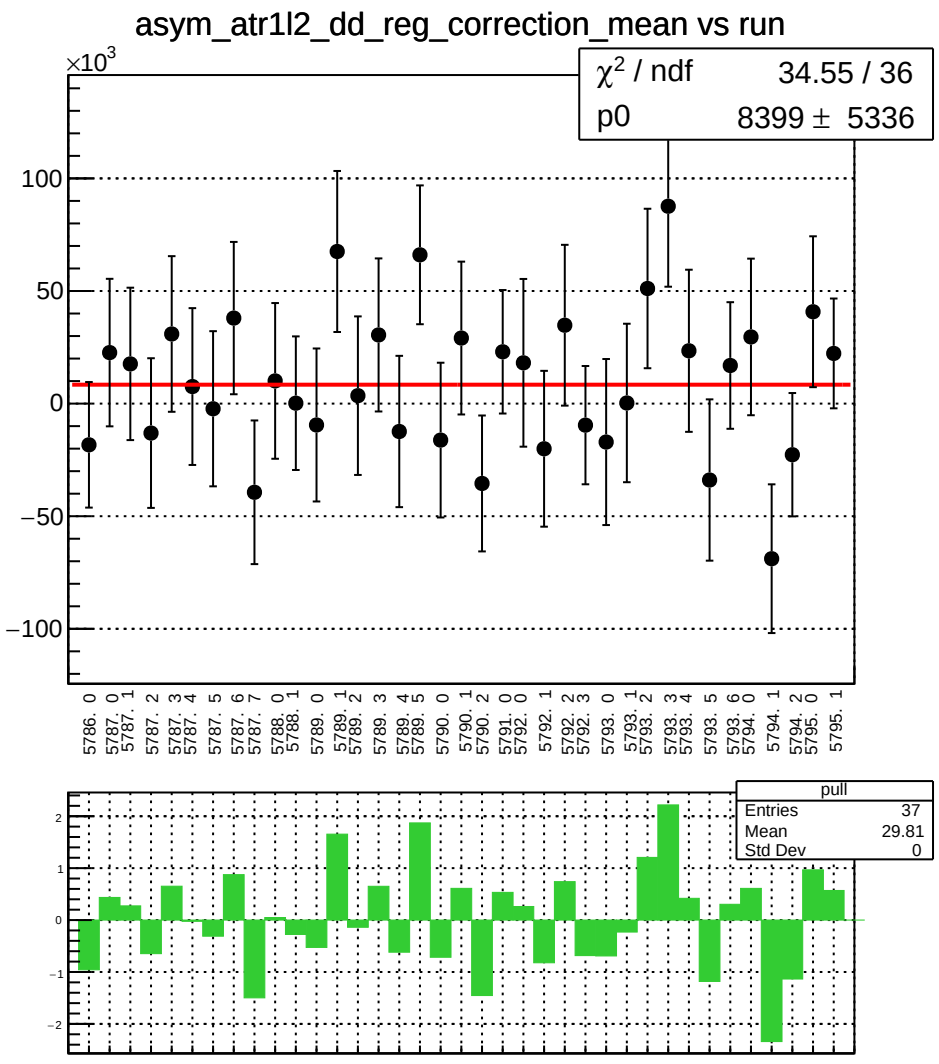

pull1D
Entries 37
Mean −0.1481
Std Dev 1.172

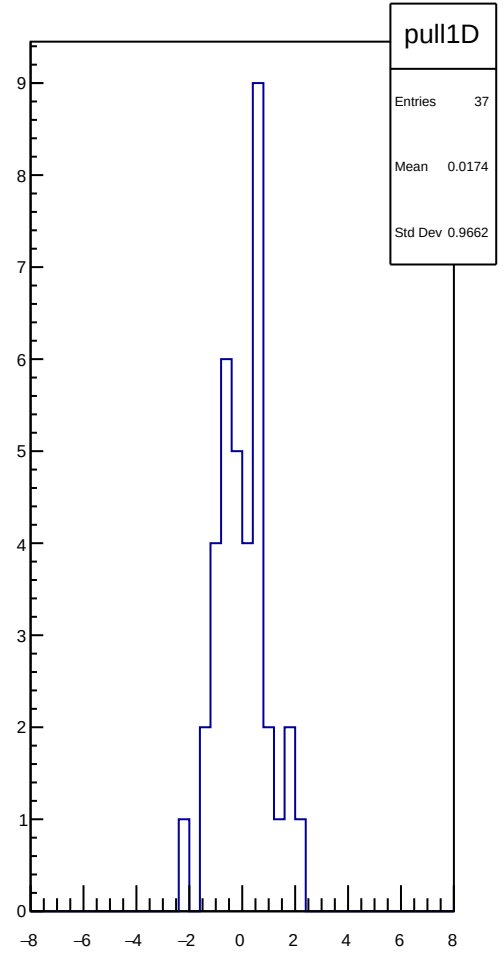

asym_atr1l2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.182e+05 / 36
p0 8.931e−11 ± 1.544e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

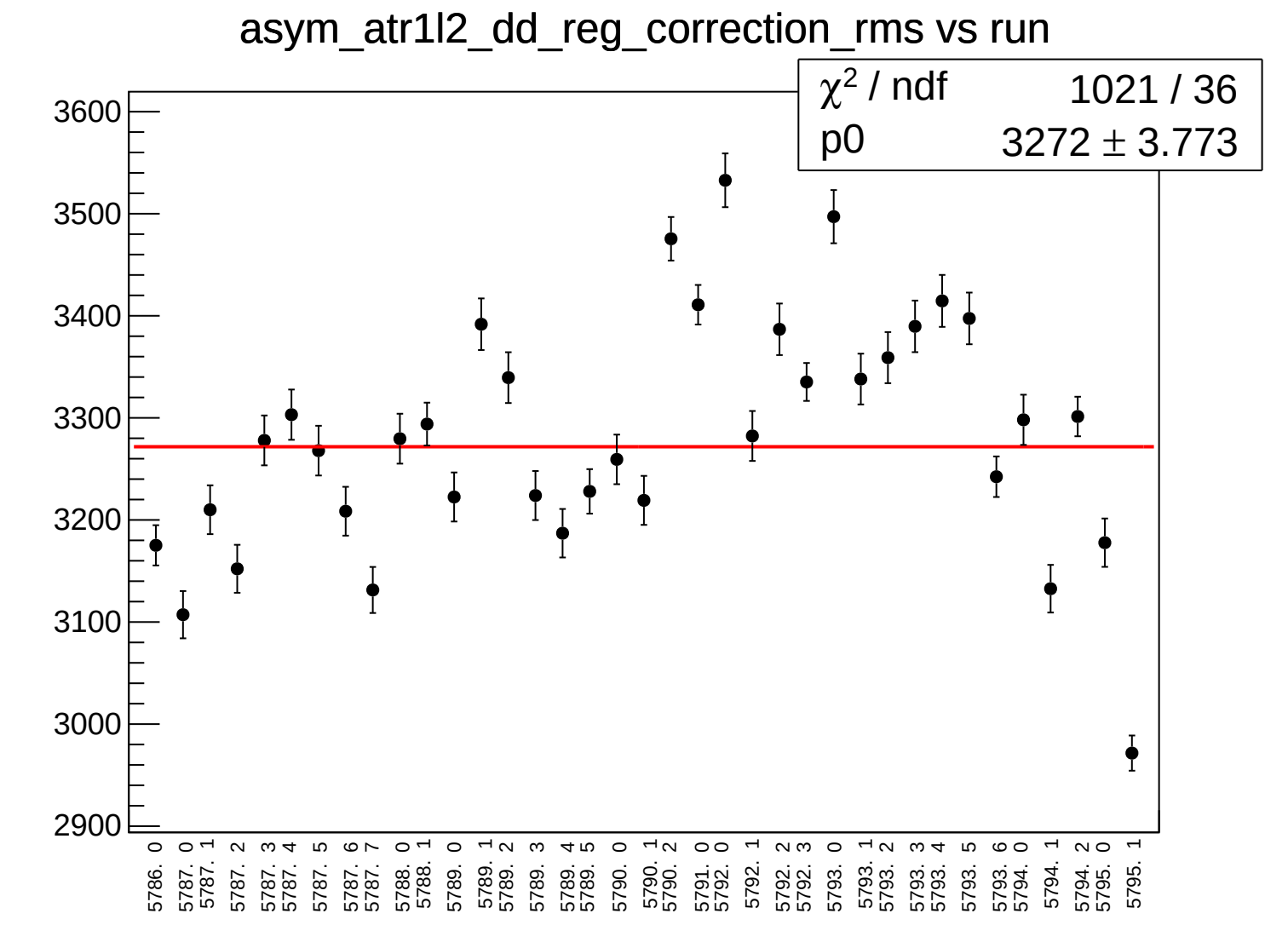

reg_asym_atr1l2_dd_mean vs run
χ² / ndf 19.79 / 36
p0 1925 ± 2694
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −62.52
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

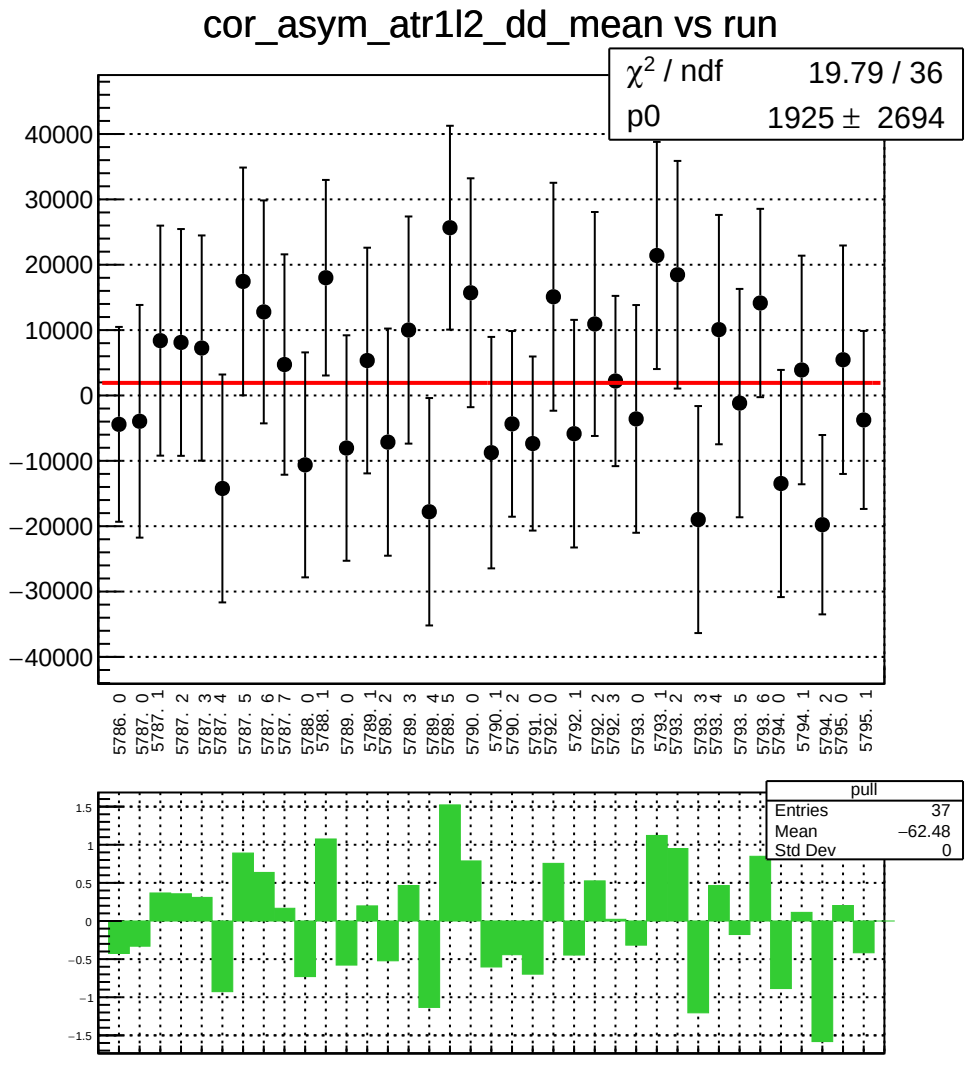

pull1D
Entries 37
Mean 0.00996
Std Dev 0.7312
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

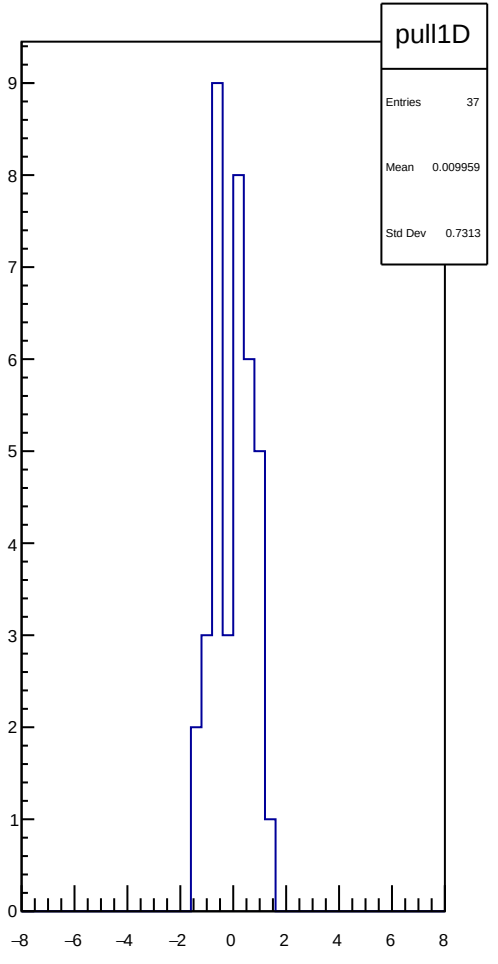

reg_asym_atr1l2_dd_rms vs run
χ² / ndf 65.55 / 36
p0 1653 ± 1.905
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

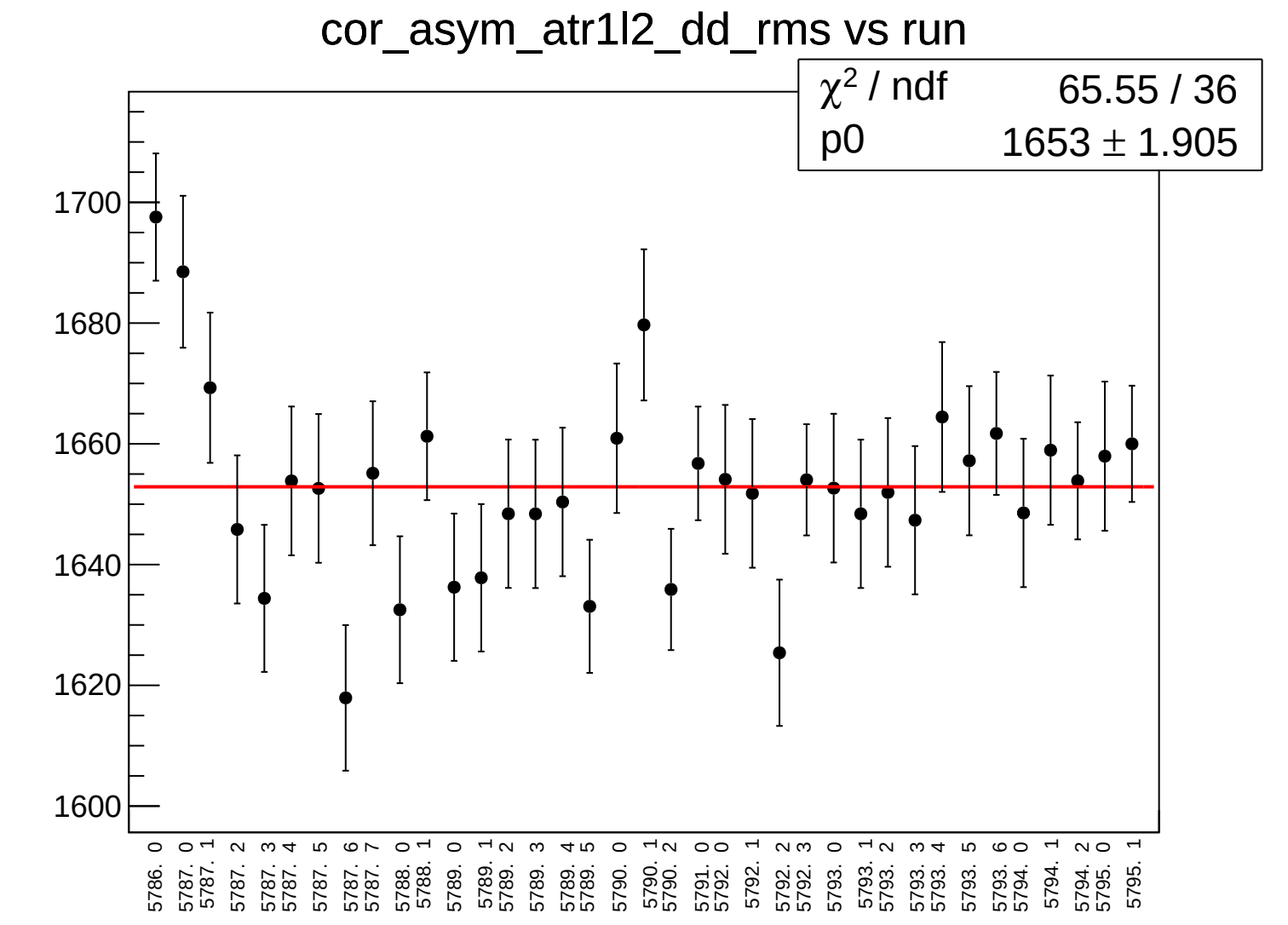

asym_atr1l2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.55 / 36
p0 8399 ± 5336
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.81
Std Dev 0
2
1
0
−1
−2

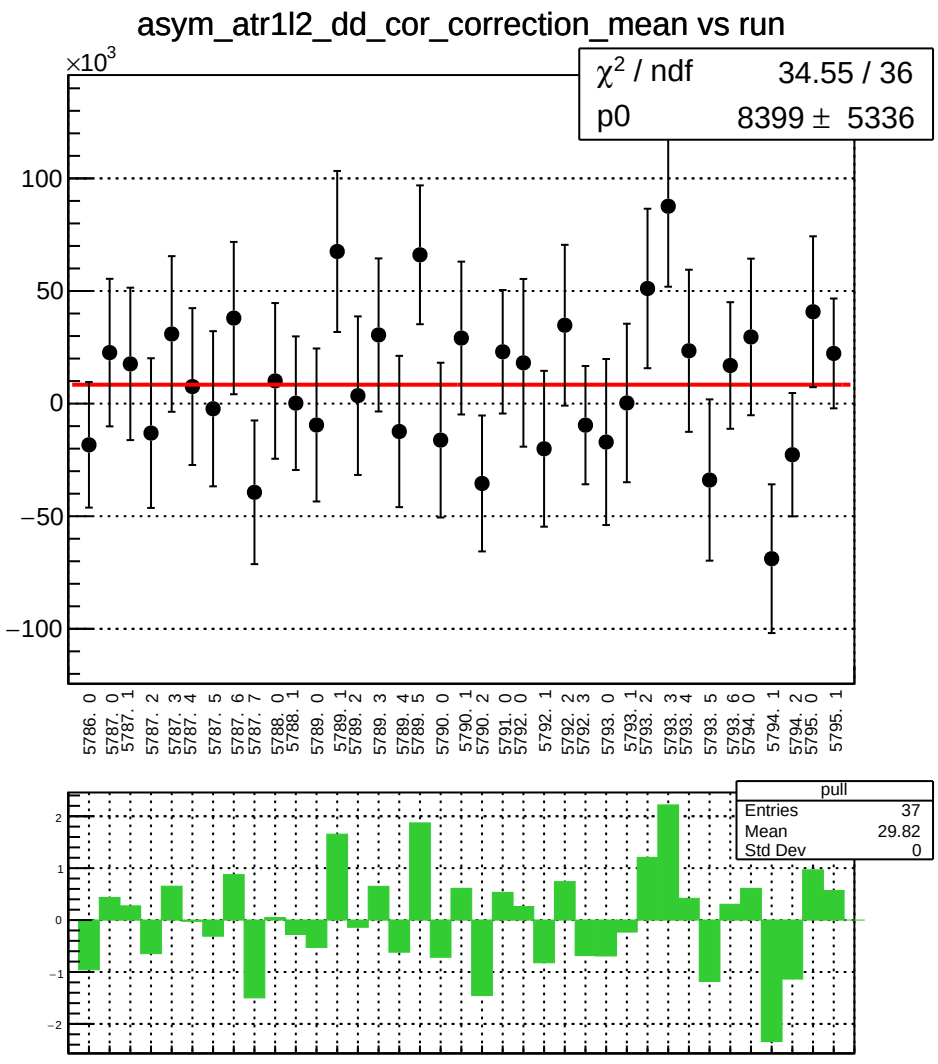

pull1D
Entries 37
Mean 0.0174
Std Dev 0.9662
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

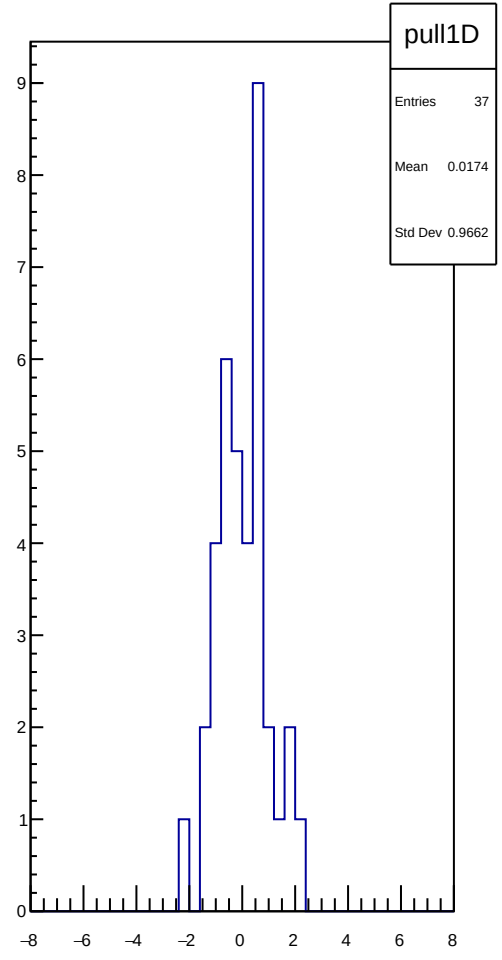

asym_atr1l2_dd_reg_correction_rms vs run
χ² / ndf 1021 / 36
p0 3272 ± 3.773
3600
3500
3400
3300
3200
3100
3000
2900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

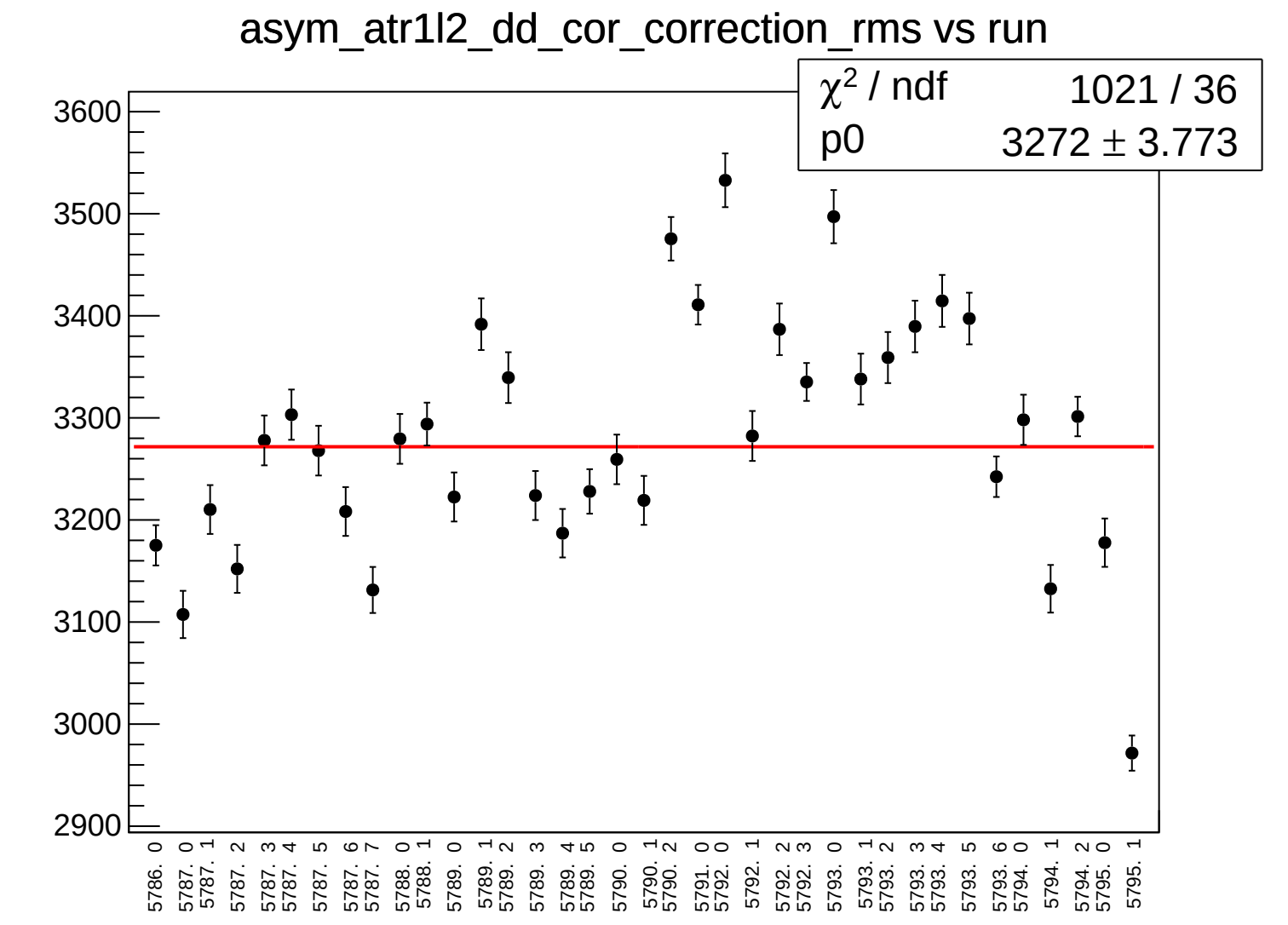

cor_asym_atr1l2_dd_mean vs run
χ² / ndf 19.79 / 36
p0 1925 ± 2694
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −62.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

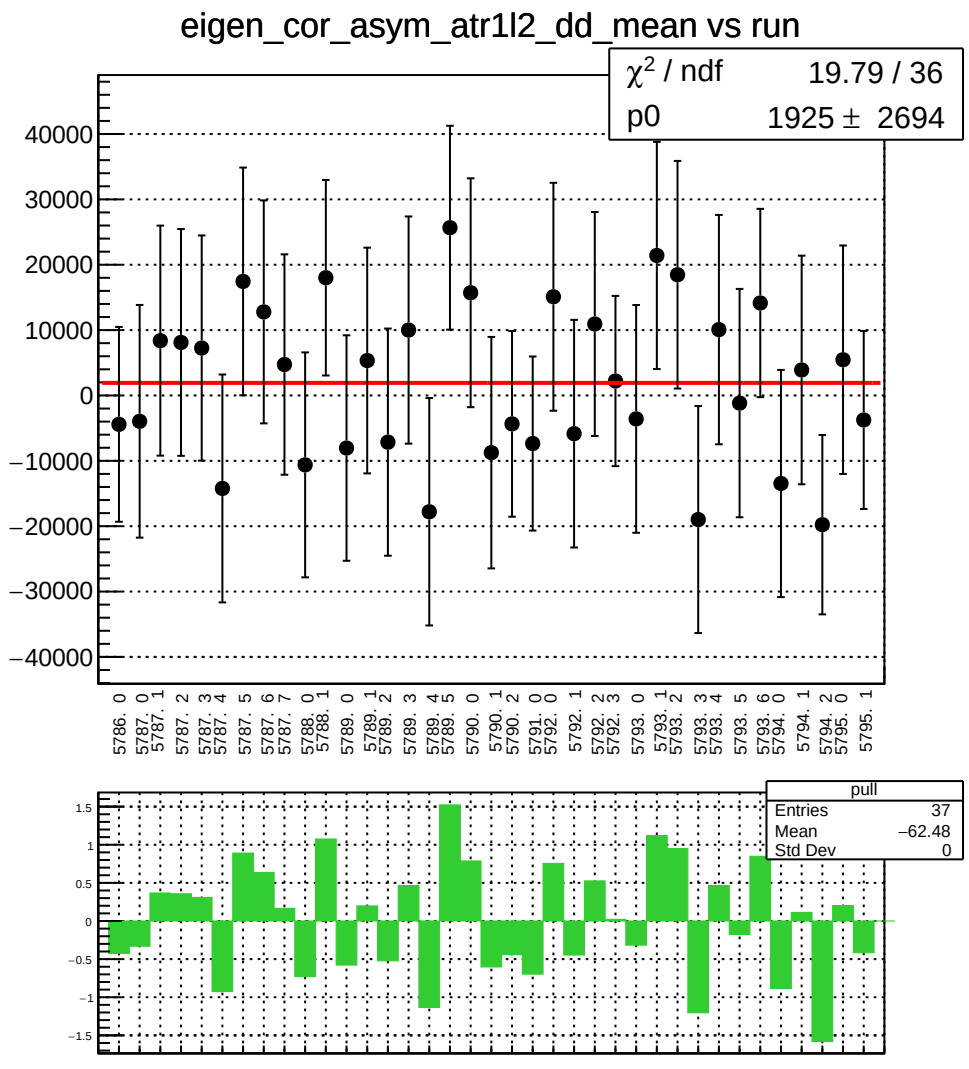

pull1D
Entries 37
Mean 0.009959
Std Dev 0.7313
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

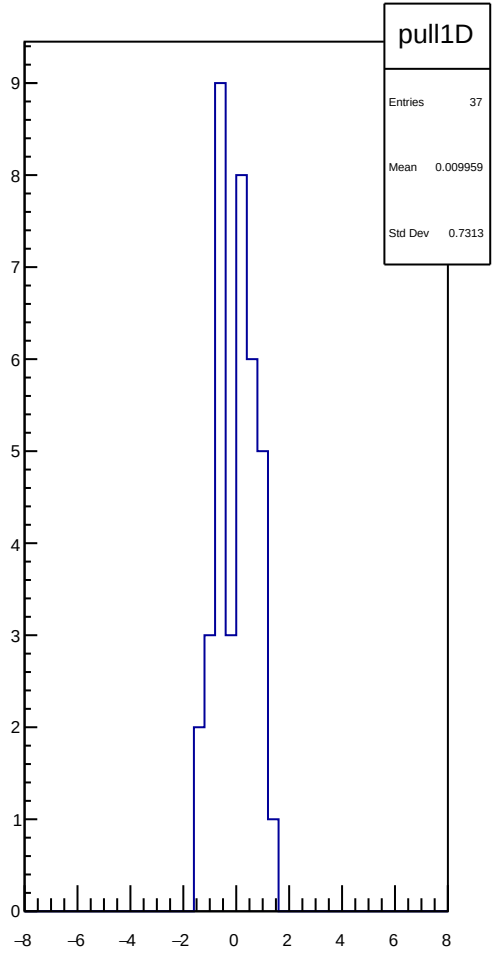

cor_asym_atr1l2_dd_rms vs run
χ² / ndf 65.55 / 36
p0 1653 ± 1.905
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

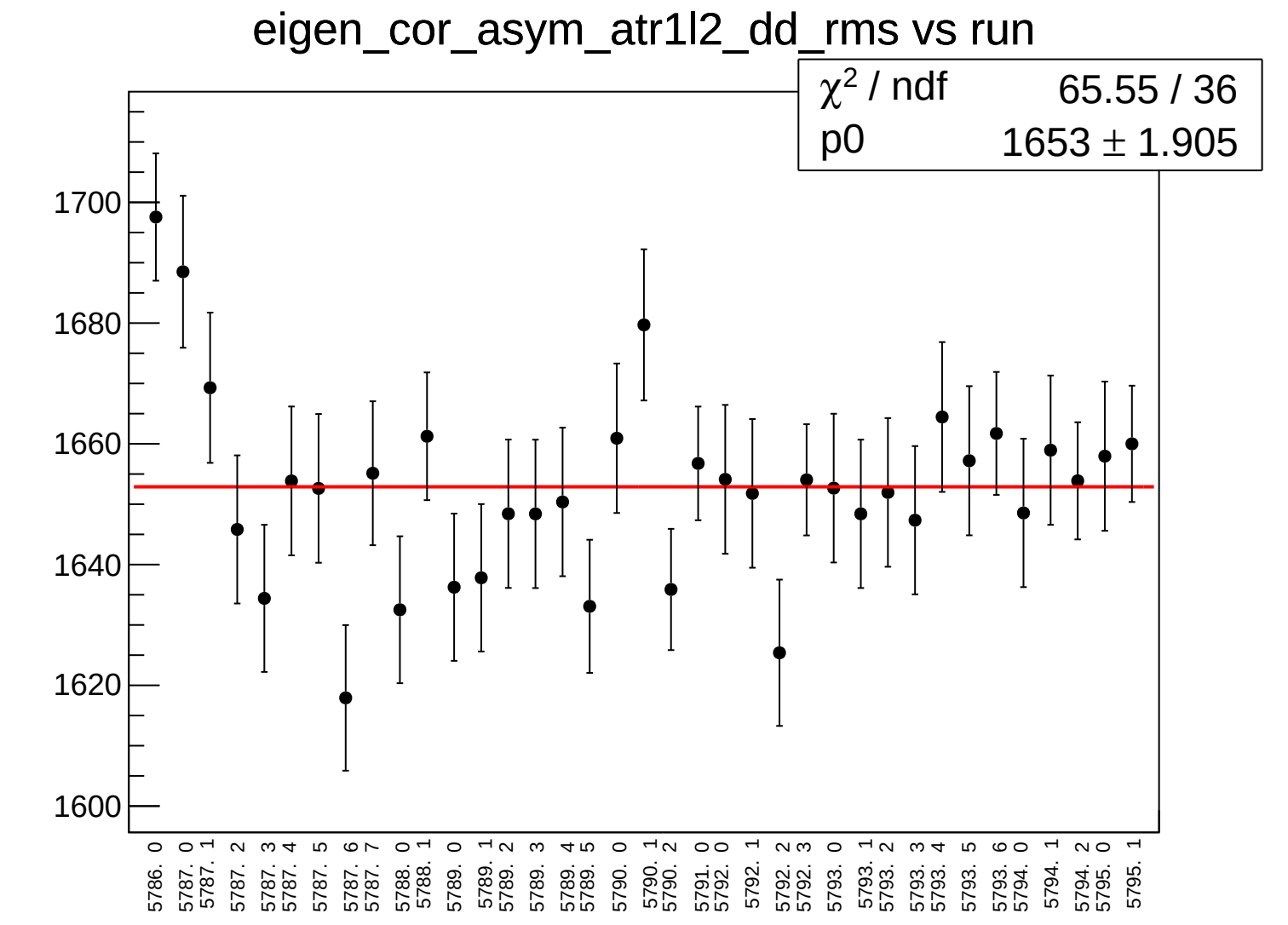

asym_atr1l2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.55 / 36
p0 8399 ± 5336
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.82
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0174
Std Dev 0.9662
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_cor_correction_rms vs run
χ² / ndf 1021 / 36
p0 3272 ± 3.773
3600
3500
3400
3300
3200
3100
3000
2900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atr1l2_dd_mean vs run
χ² / ndf 19.79 / 36
p0 1925 ± 2694
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −62.48
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.009959
Std Dev 0.7313
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atr1l2_dd_rms vs run
χ² / ndf 65.55 / 36
p0 1653 ± 1.905
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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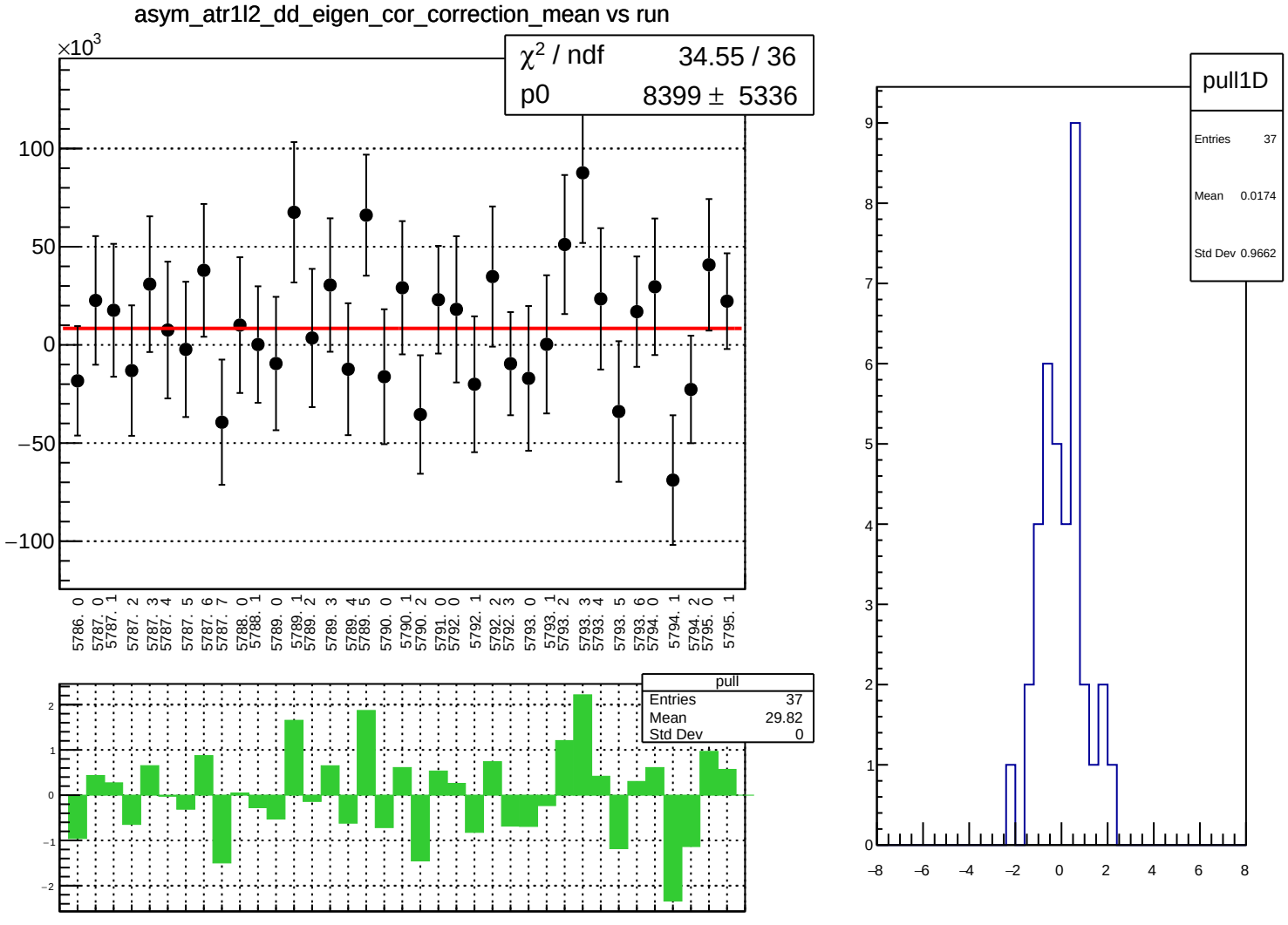
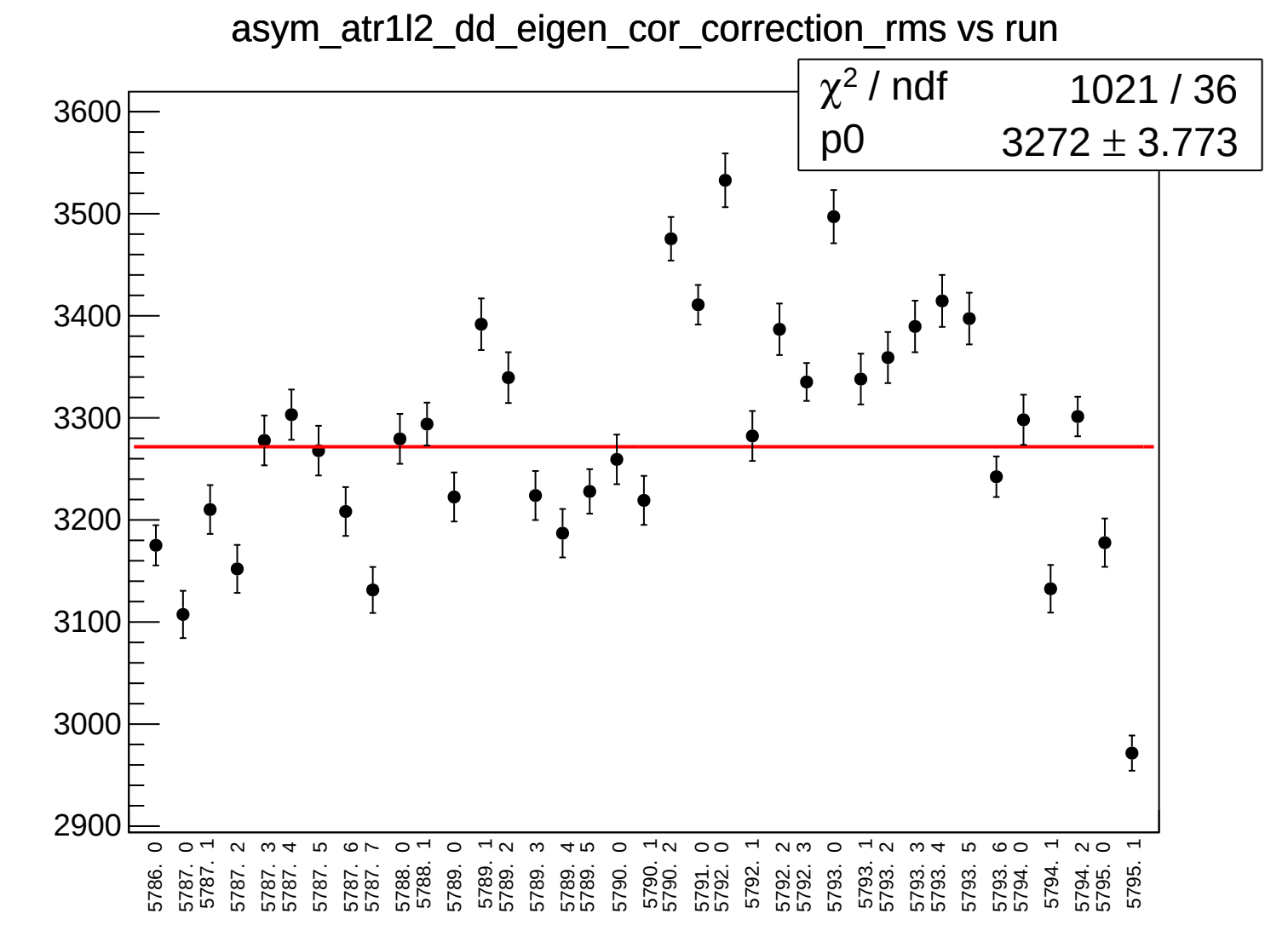
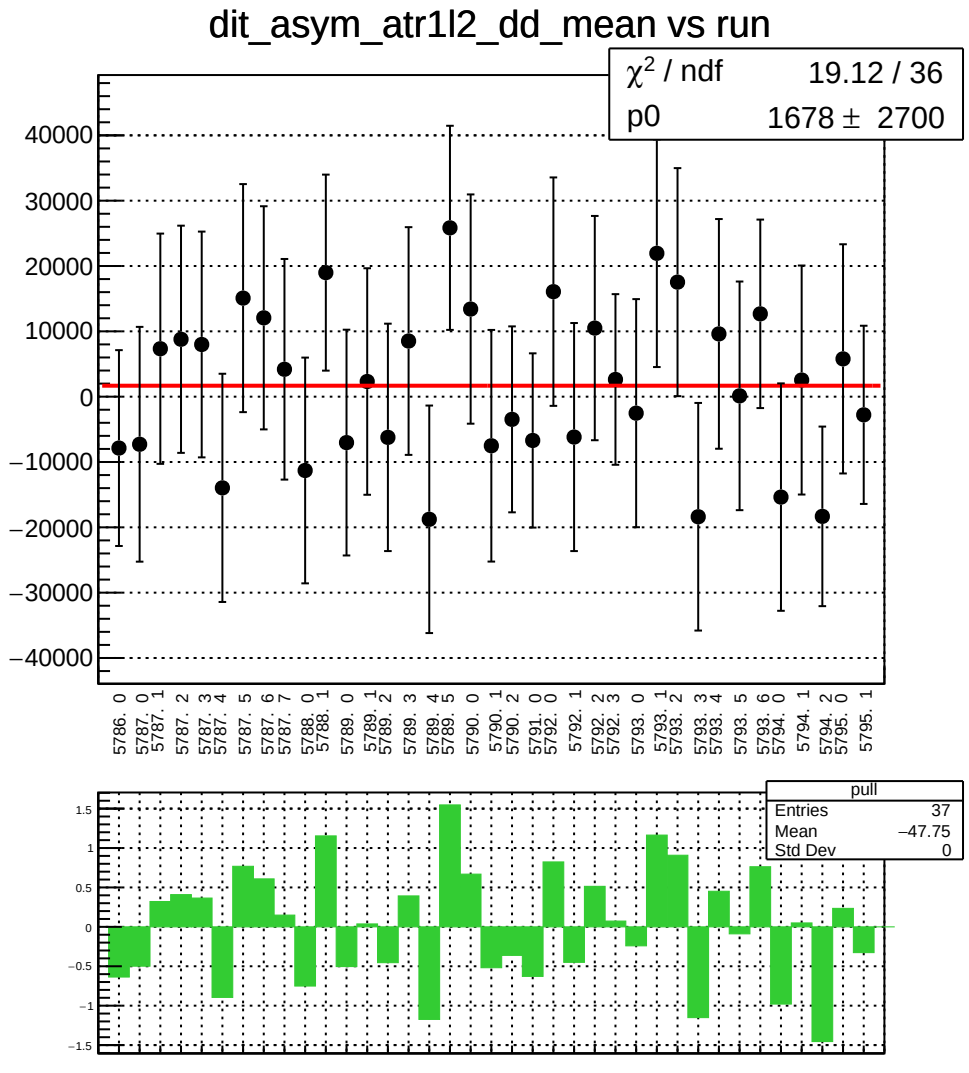
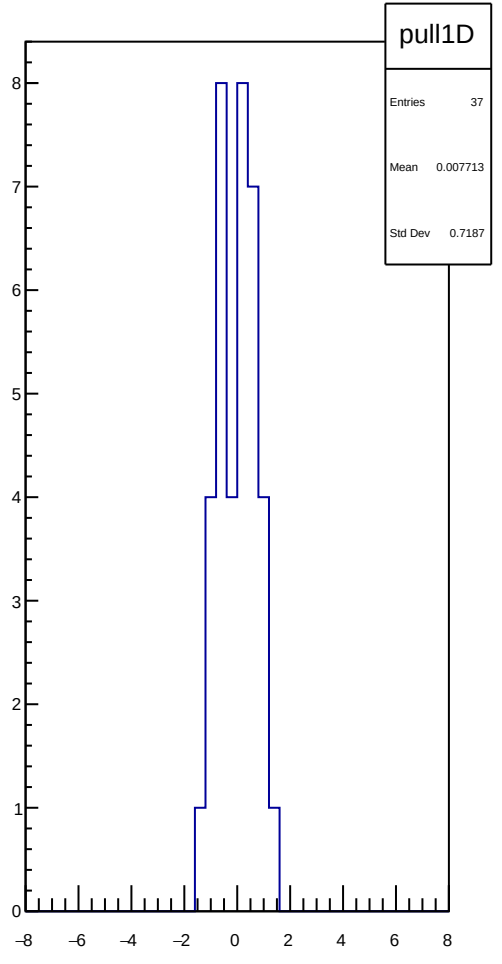
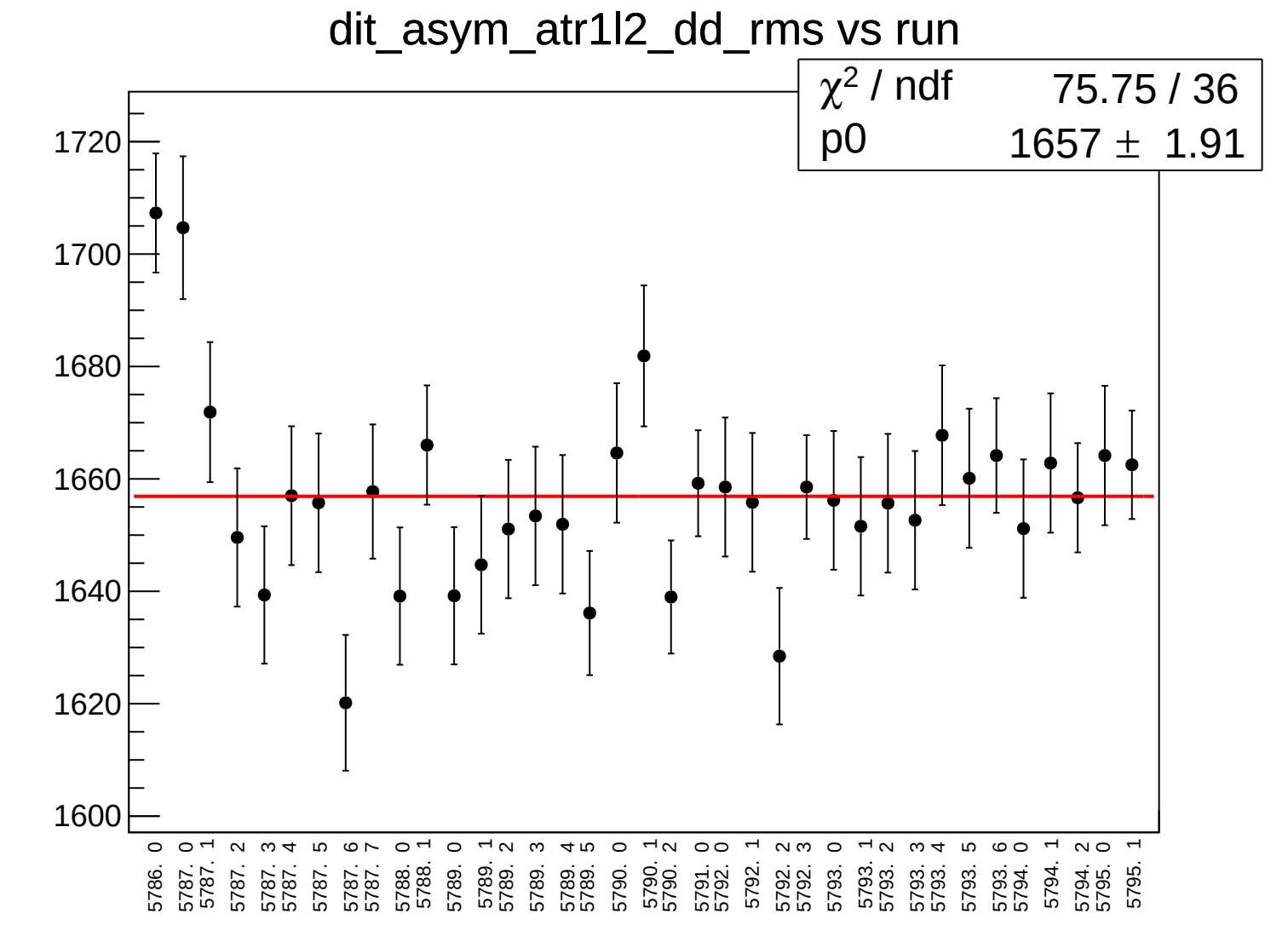
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

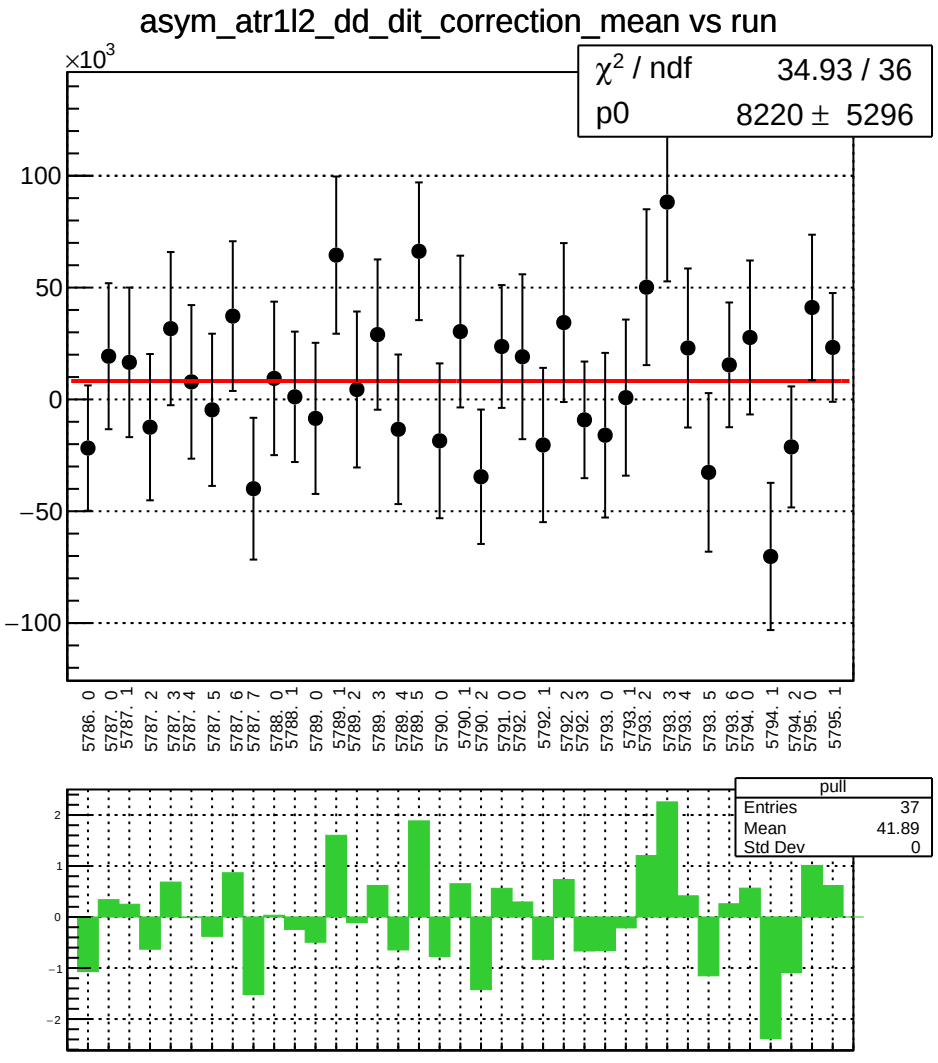

asym_atr1l2_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.55 / 36
p0 8399 ± 5336
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.82
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.0174
Std Dev 0.9662
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

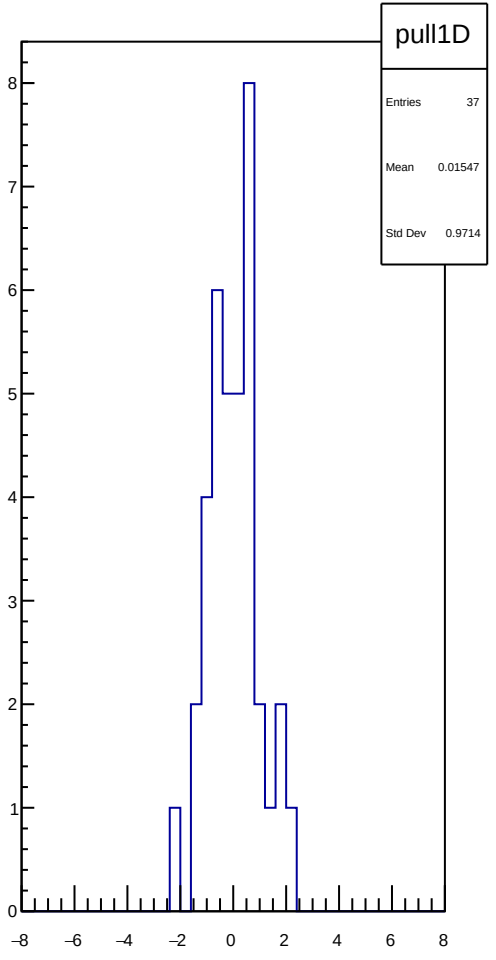

asym_atr1l2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1021 / 36
p0 3272 ± 3.773
3600
3500
3400
3300
3200
3100
3000
2900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

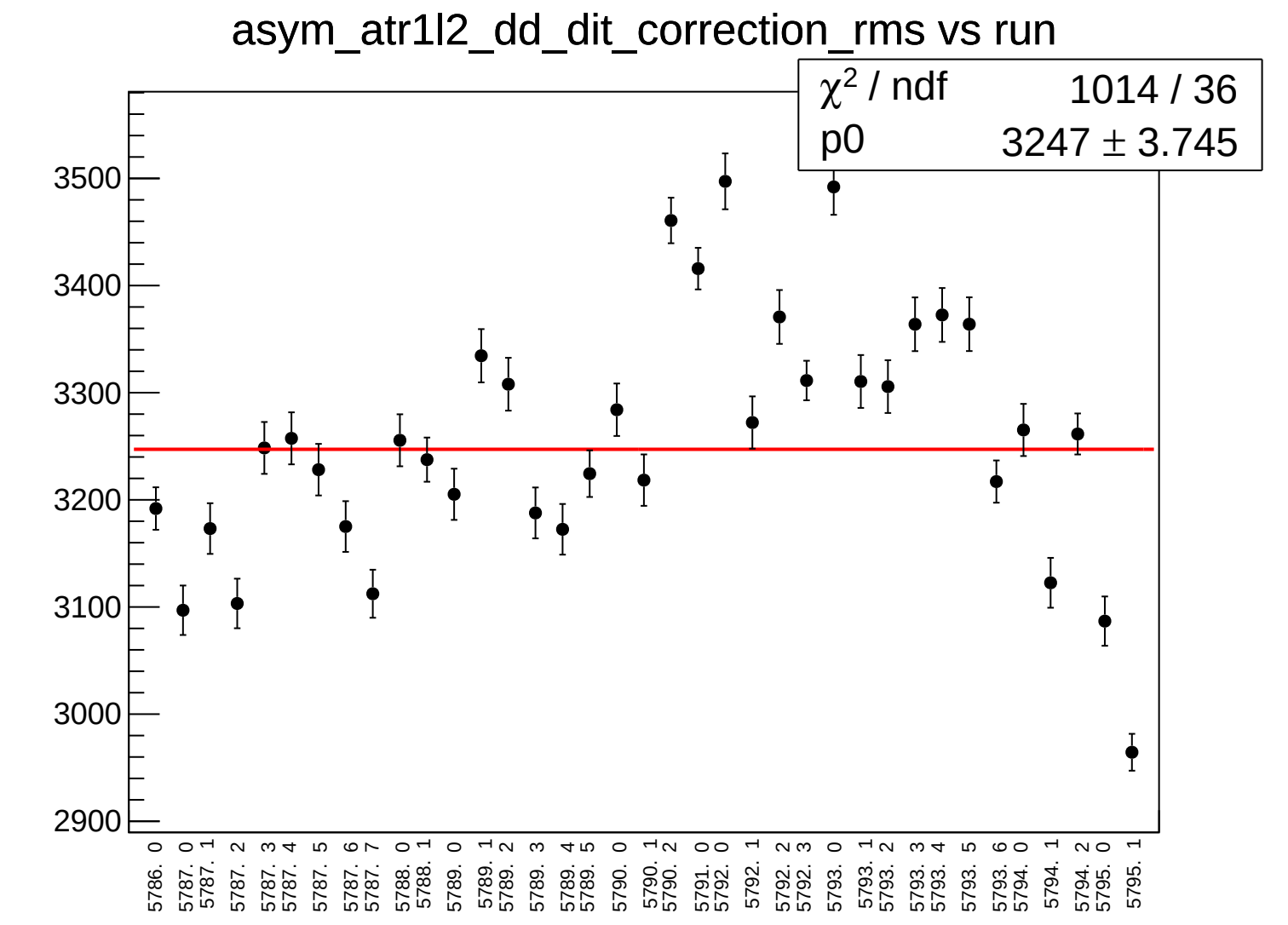

dit_asym_atr1l2_dd_mean vs run
χ² / ndf 19.12 / 36
p0 1678 ± 2700
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −47.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

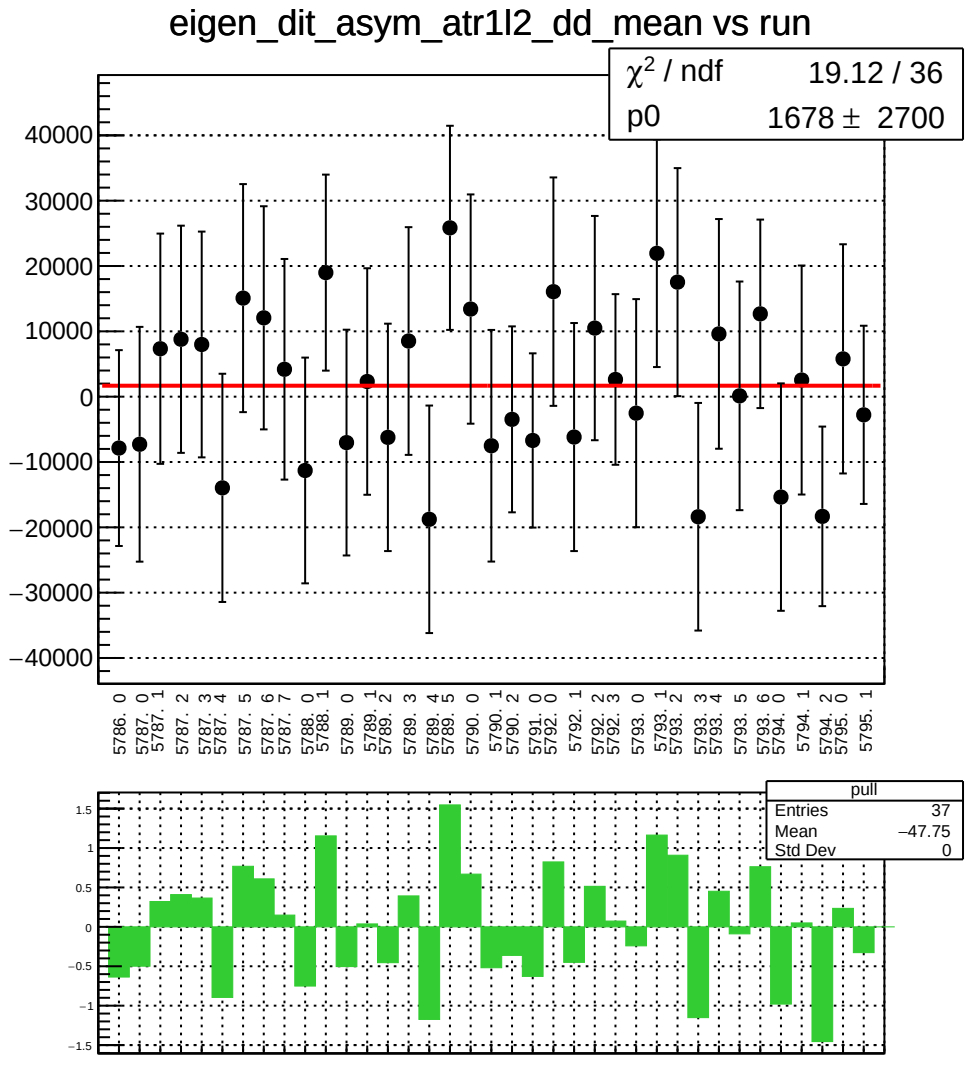

pull1D
Entries 37
Mean 0.007713
Std Dev 0.7187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

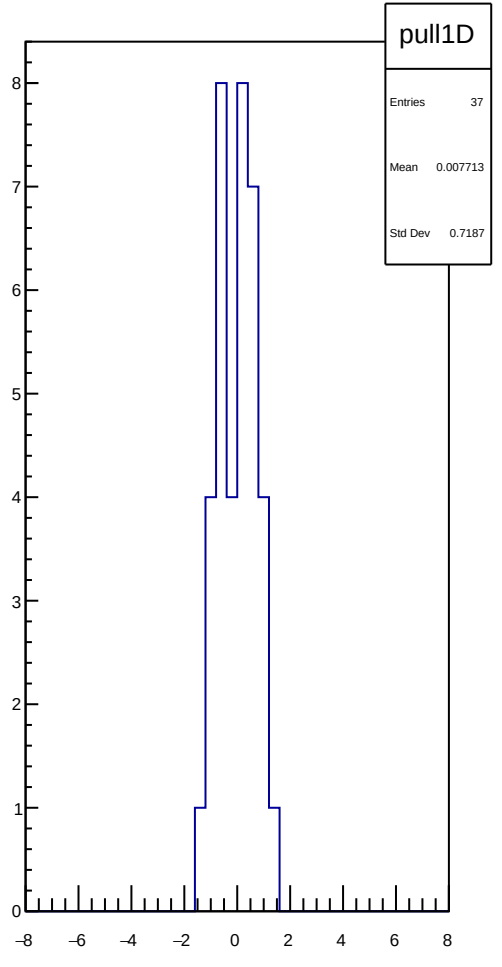

dit_asym_atr1l2_dd_rms vs run
χ² / ndf 75.75 / 36
p0 1657 ± 1.91
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

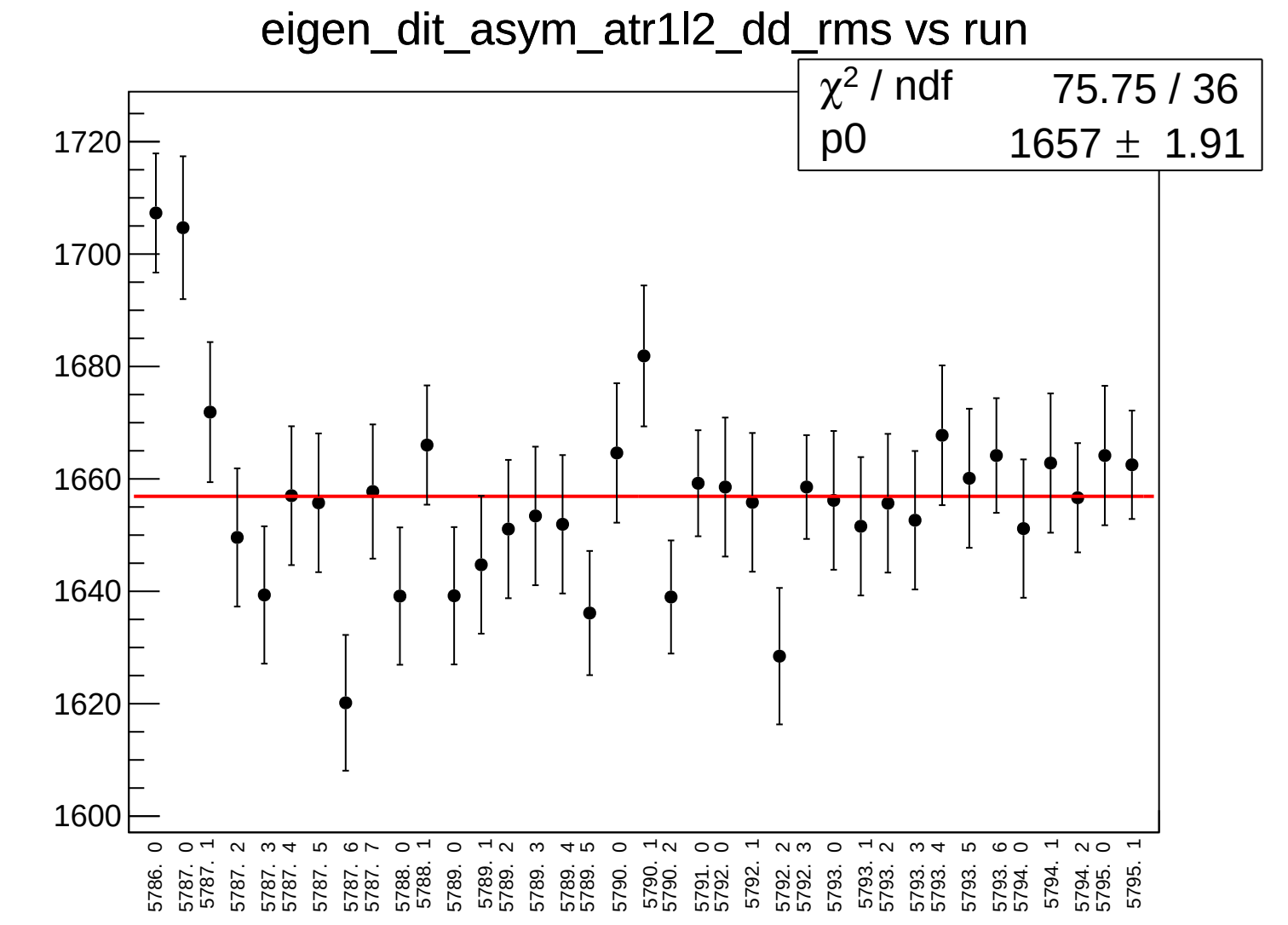

asym_atr1l2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.93 / 36
p0 8220 ± 5296
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.89
Std Dev 0
2
1
0
−1
−2

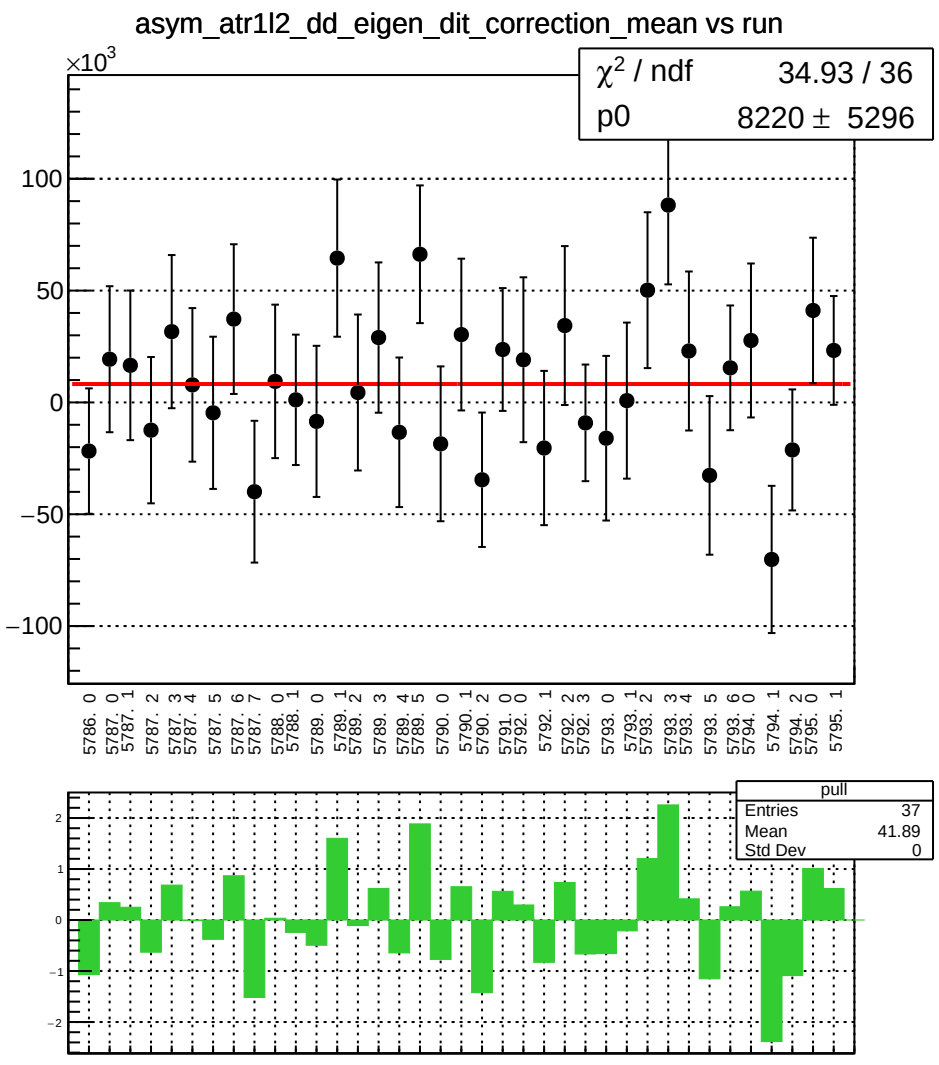

pull1D
Entries 37
Mean 0.01547
Std Dev 0.9714
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

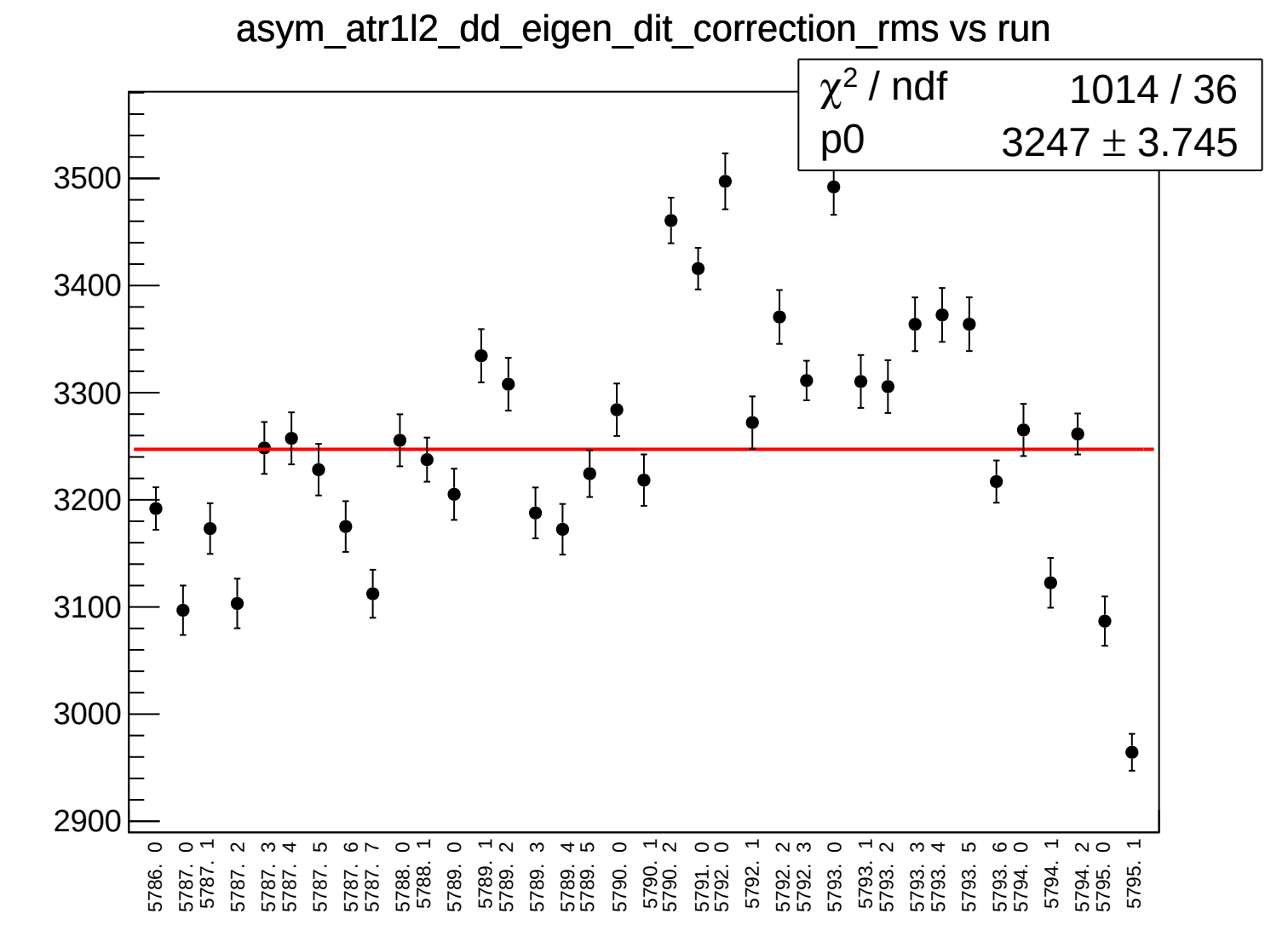

asym_atr1l2_dd_dit_correction_rms vs run
χ² / ndf 1014 / 36
p0 3247 ± 3.745
3500
3400
3300
3200
3100
3000
2900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

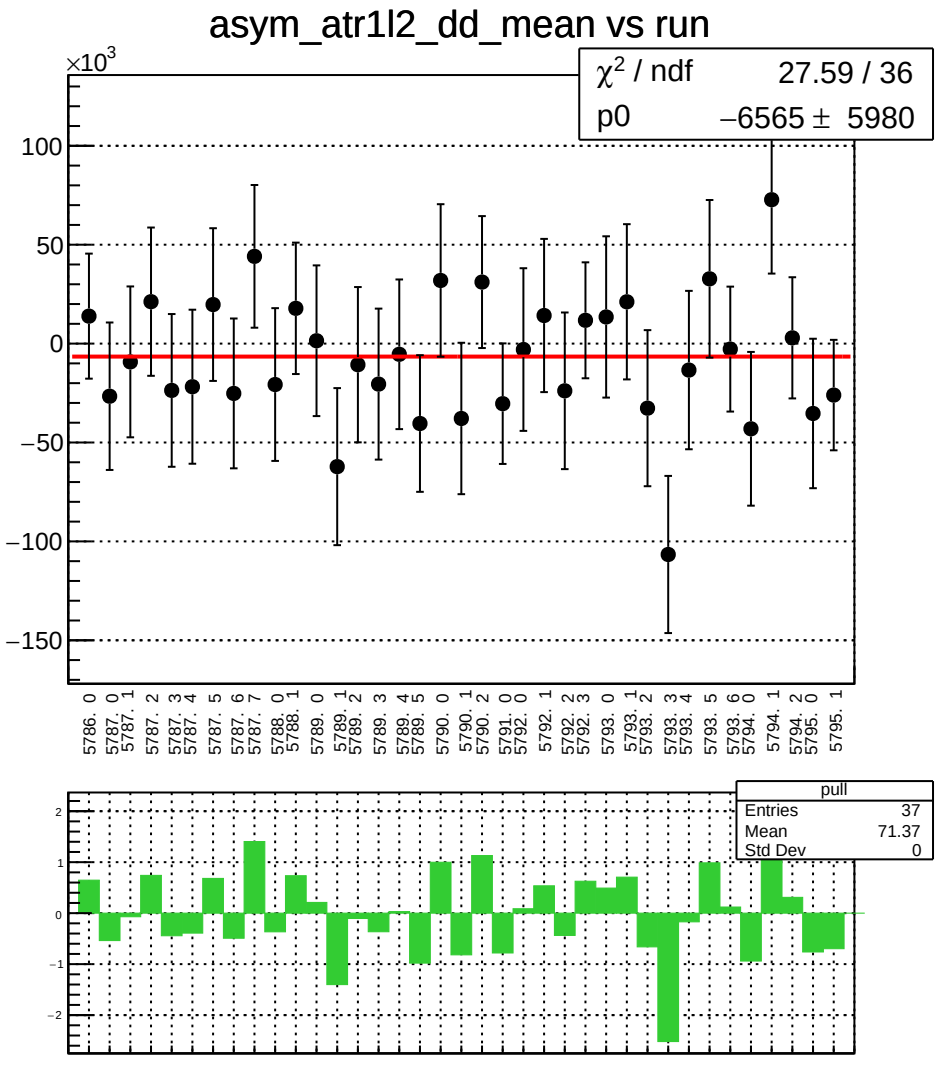

eigen_dit_asym_atr1l2_dd_mean vs run
χ² / ndf 19.12 / 36
p0 1678 ± 2700
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −47.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

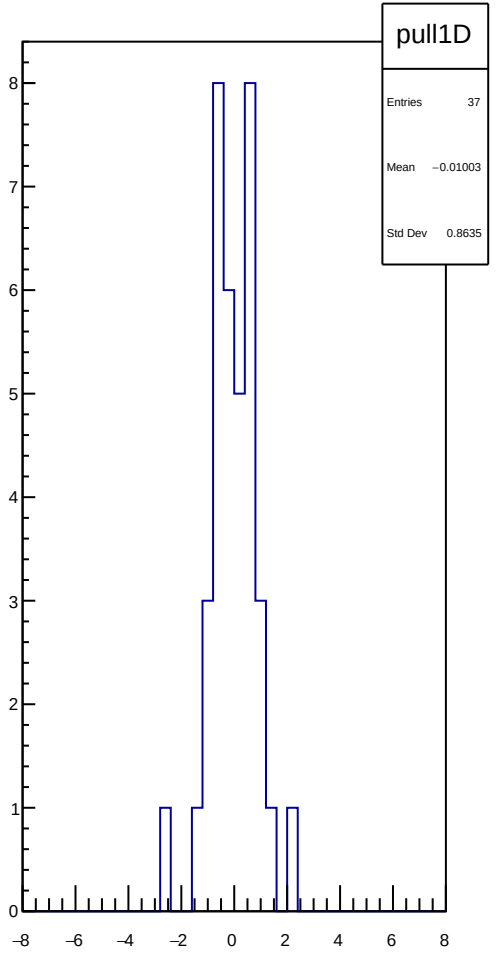

pull1D
Entries 37
Mean 0.007713
Std Dev 0.7187
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

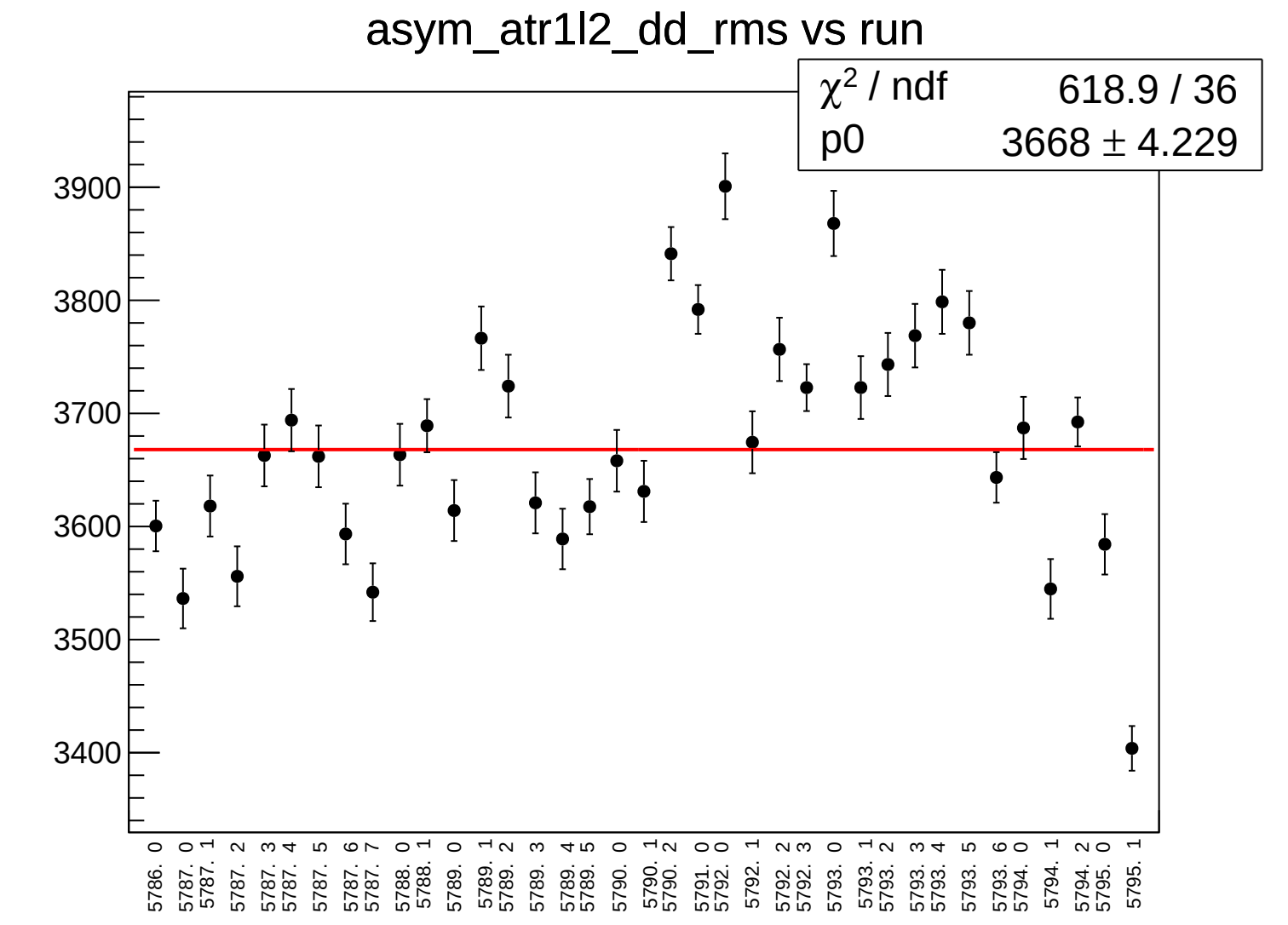

eigen_dit_asym_atr1l2_dd_rms vs run
χ² / ndf 75.75 / 36
p0 1657 ± 1.91
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

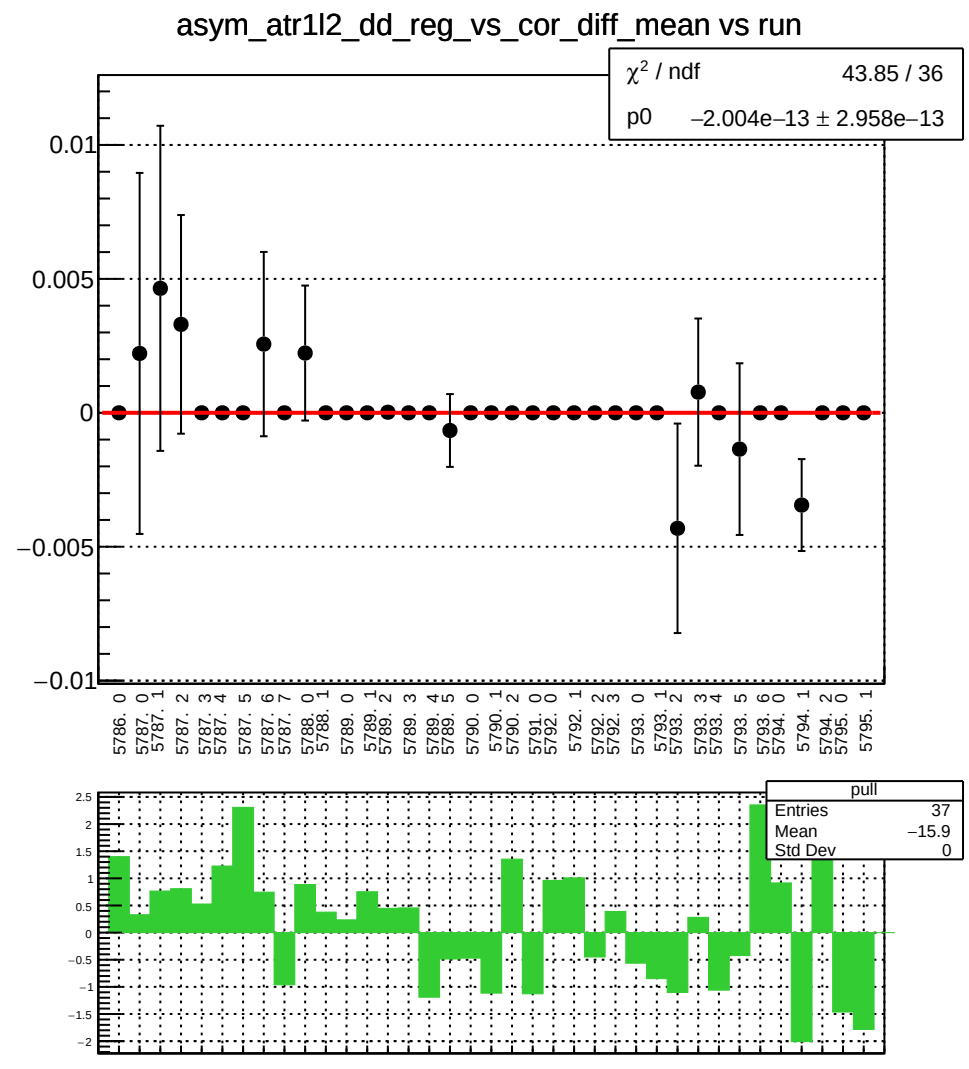

asym_atr1l2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 34.93 / 36
p0 8220 ± 5296
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.89
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01547
Std Dev 0.9714
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

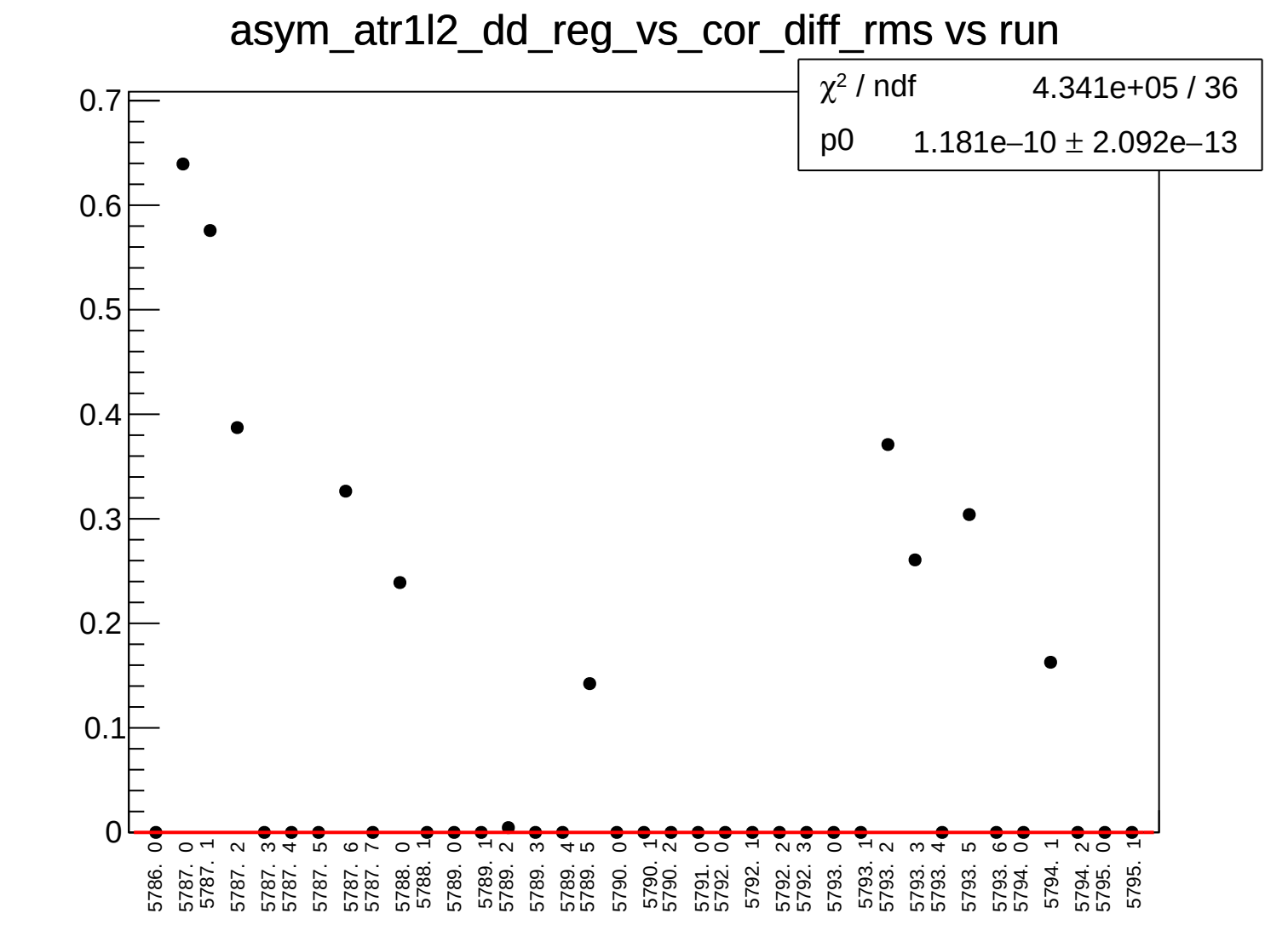

asym_atr1l2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1014 / 36
p0 3247 ± 3.745
3500
3400
3300
3200
3100
3000
2900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

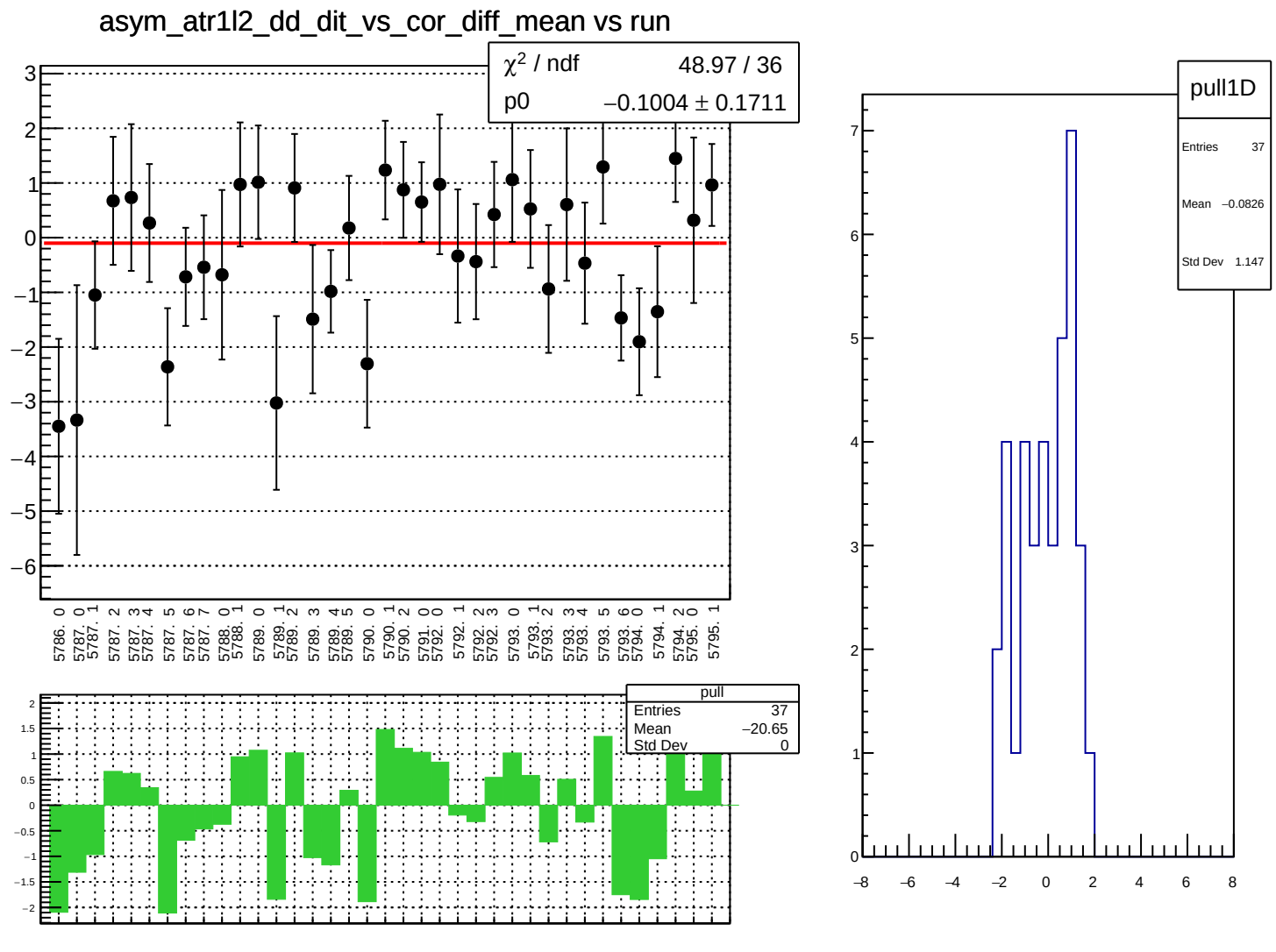

asym_atr1l2_dd_mean vs run
×10^3
χ² / ndf 27.59 / 36
p0 −6565 ± 5980
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.37
Std Dev 0
2
1
0
−1
−2

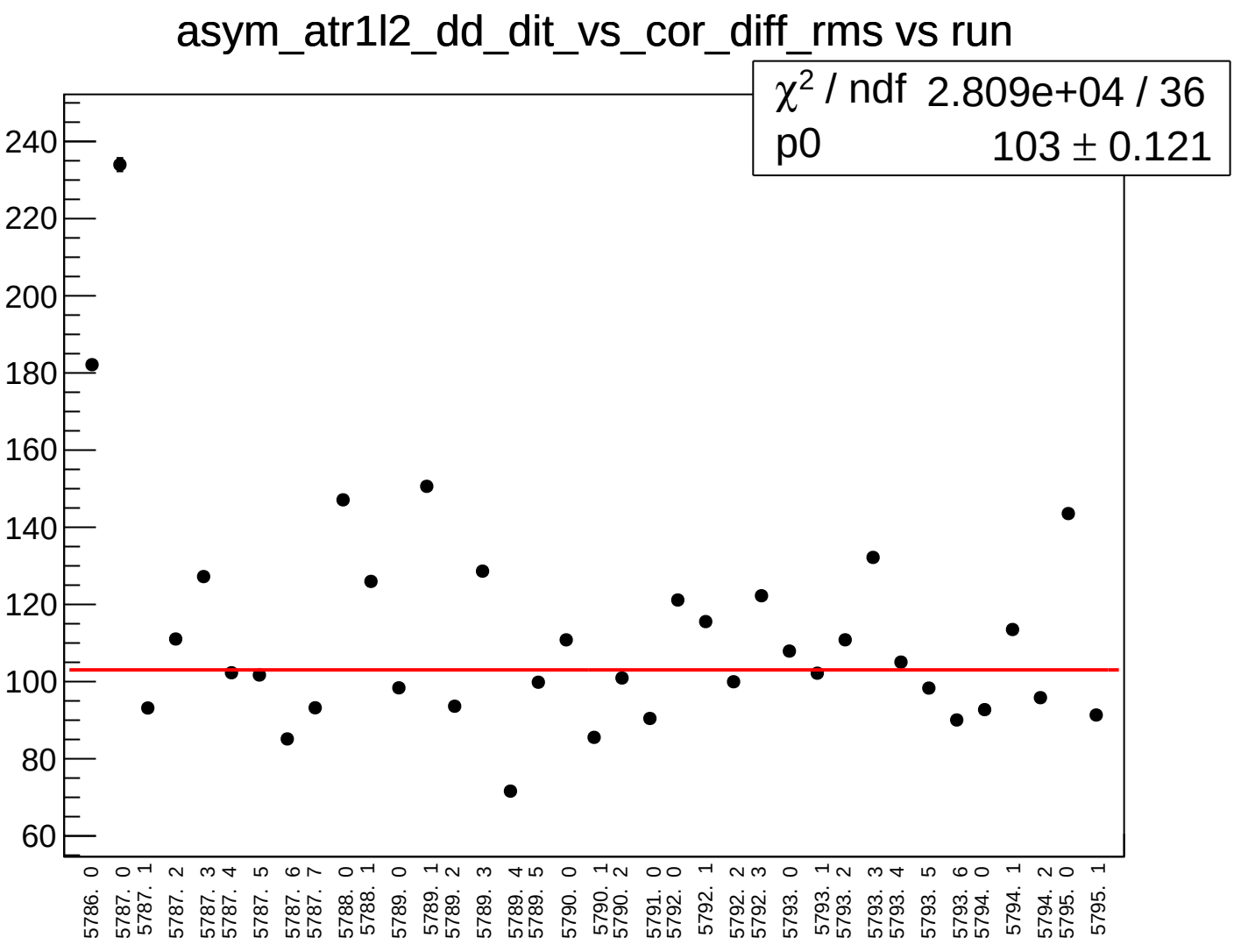

pull1D
Entries 37
Mean −0.01003
Std Dev 0.8635
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_rms vs run
χ² / ndf 618.9 / 36
p0 3668 ± 4.229
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr1l2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.85 / 36
p0 −2.004e−13 ± 2.958e−13
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1334
Std Dev 1.08
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atr1l2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.341e+05 / 36
p0 1.181e−10 ± 2.092e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atr1l2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.97 / 36
p0 −0.1004 ± 0.1711
pull
Entries 37
Mean −20.65
Std Dev 0
pull1D
Entries 37
Mean −0.0826
Std Dev 1.147


asym_atr1l2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.809e+04 / 36
p0 103 ± 0.121
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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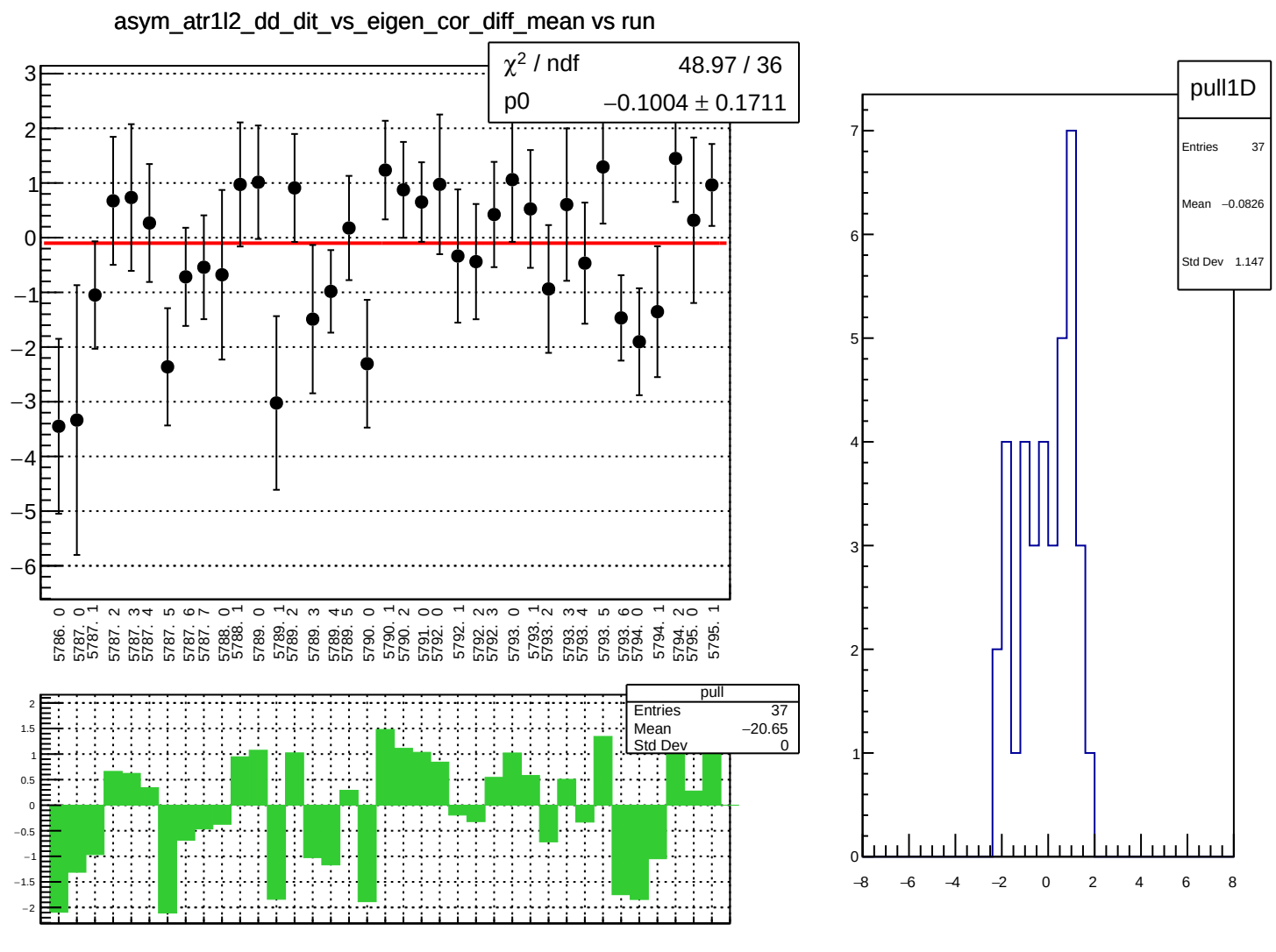
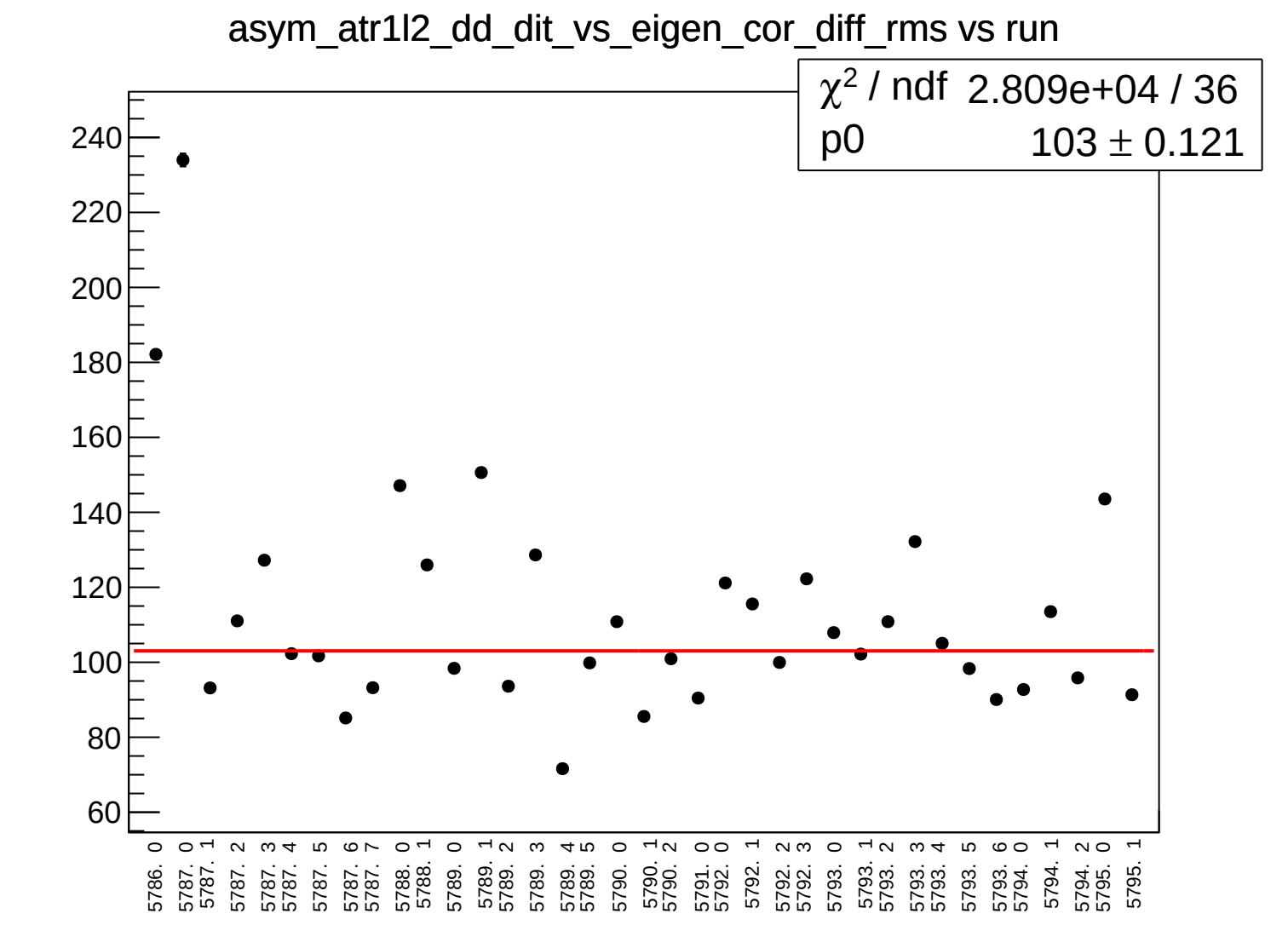
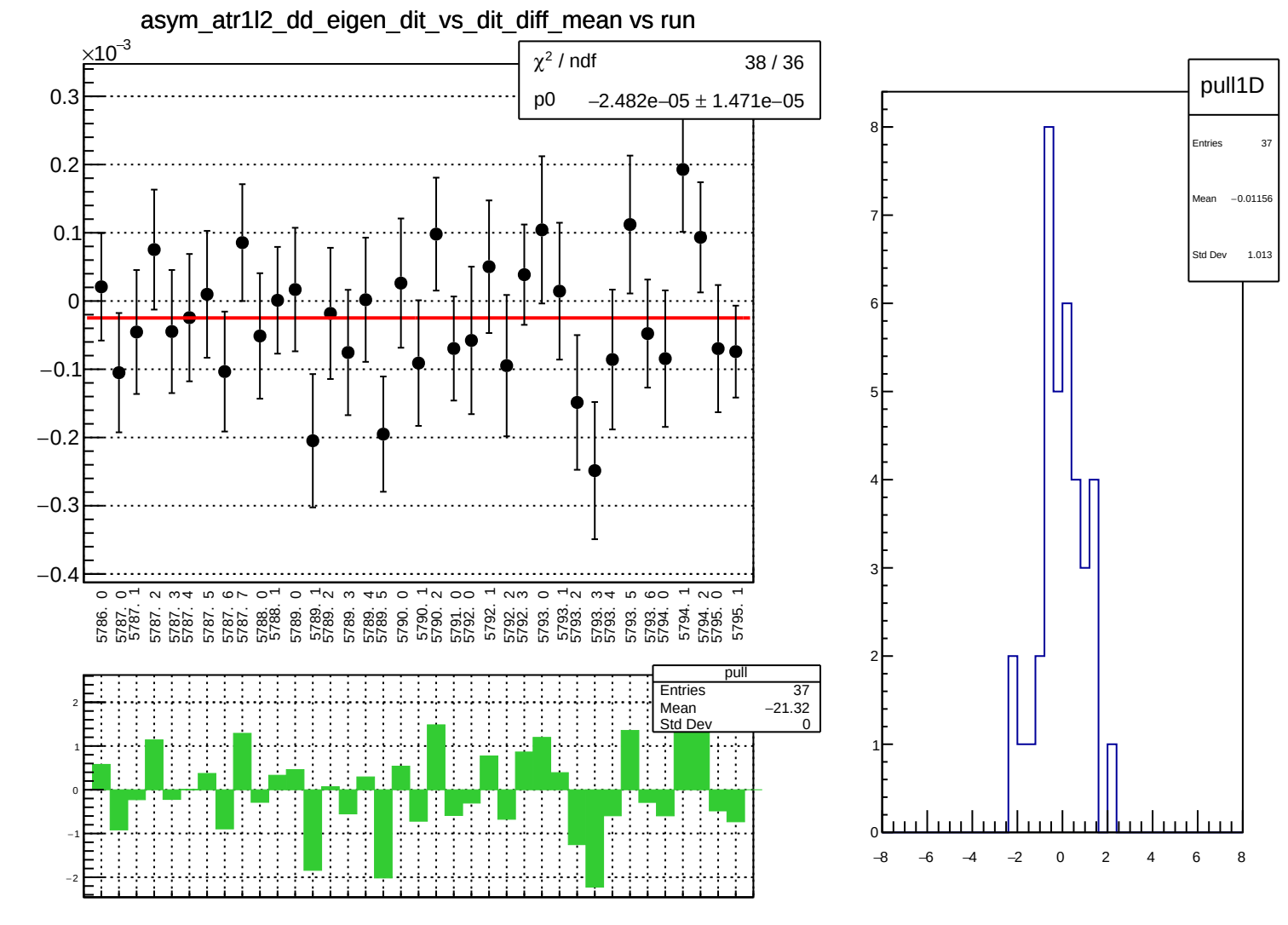
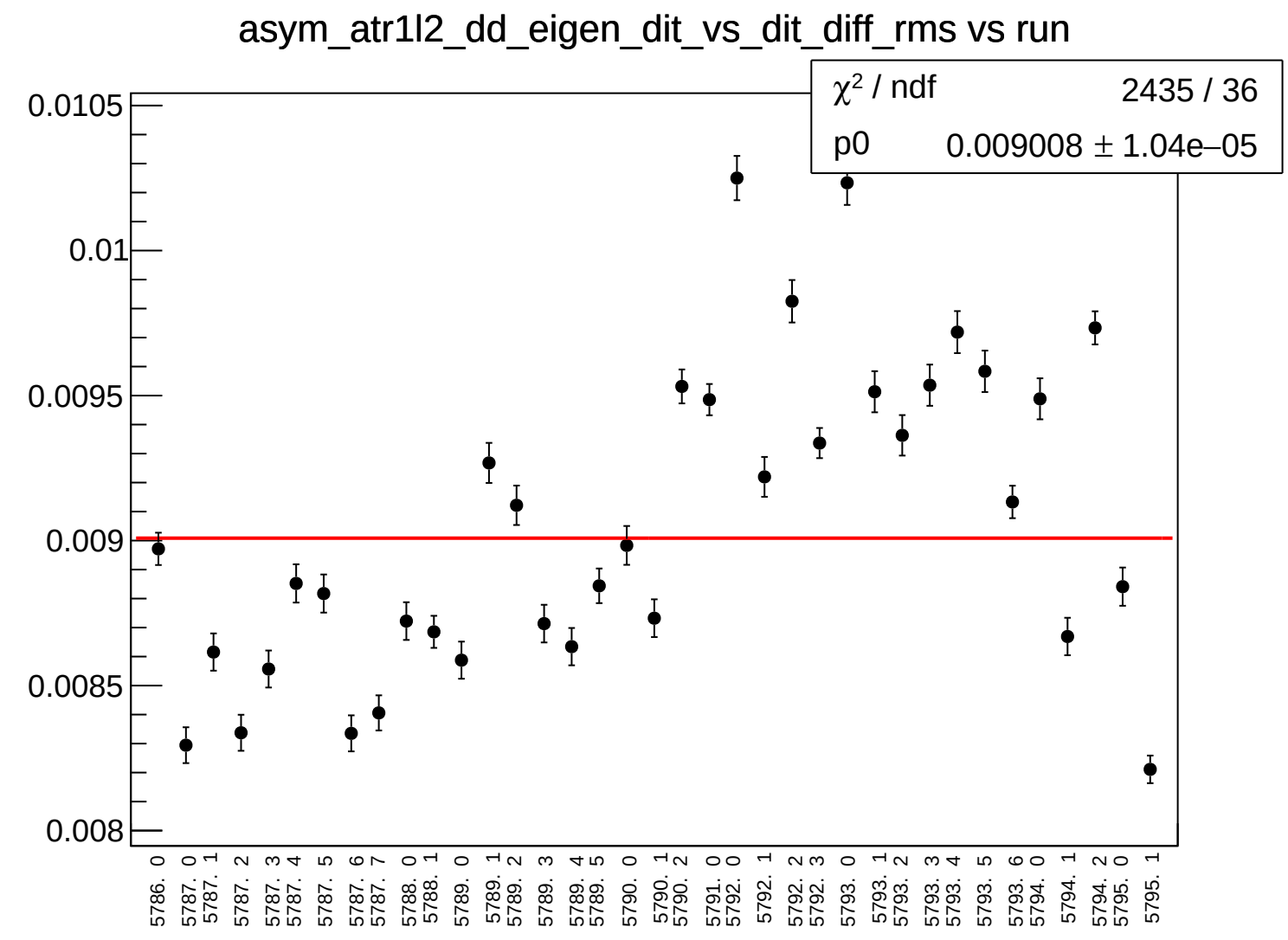
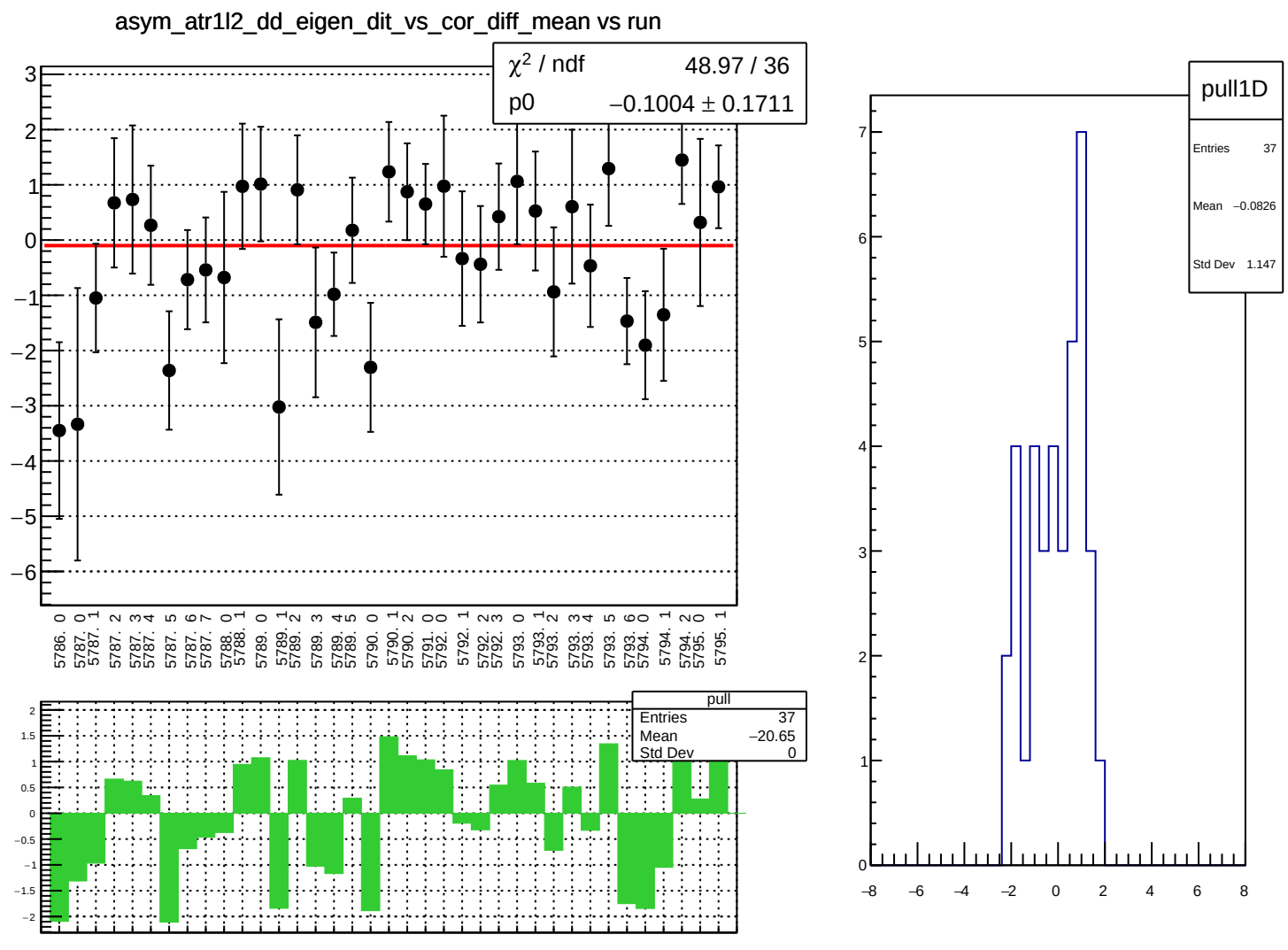
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

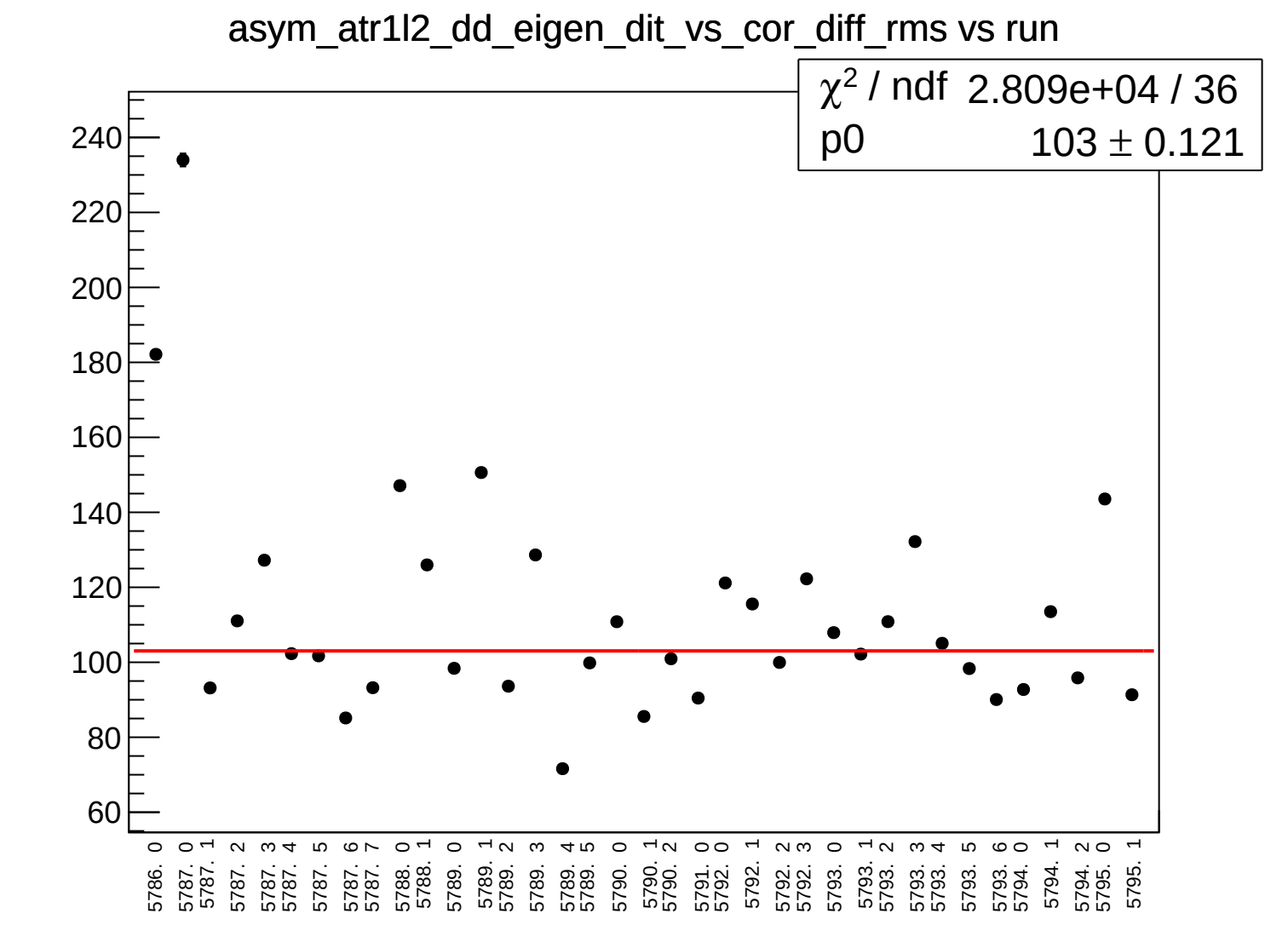

asym_atr1l2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.97 / 36
p0 −0.1004 ± 0.1711
pull
Entries 37
Mean −20.65
Std Dev 0
pull1D
Entries 37
Mean −0.0826
Std Dev 1.147

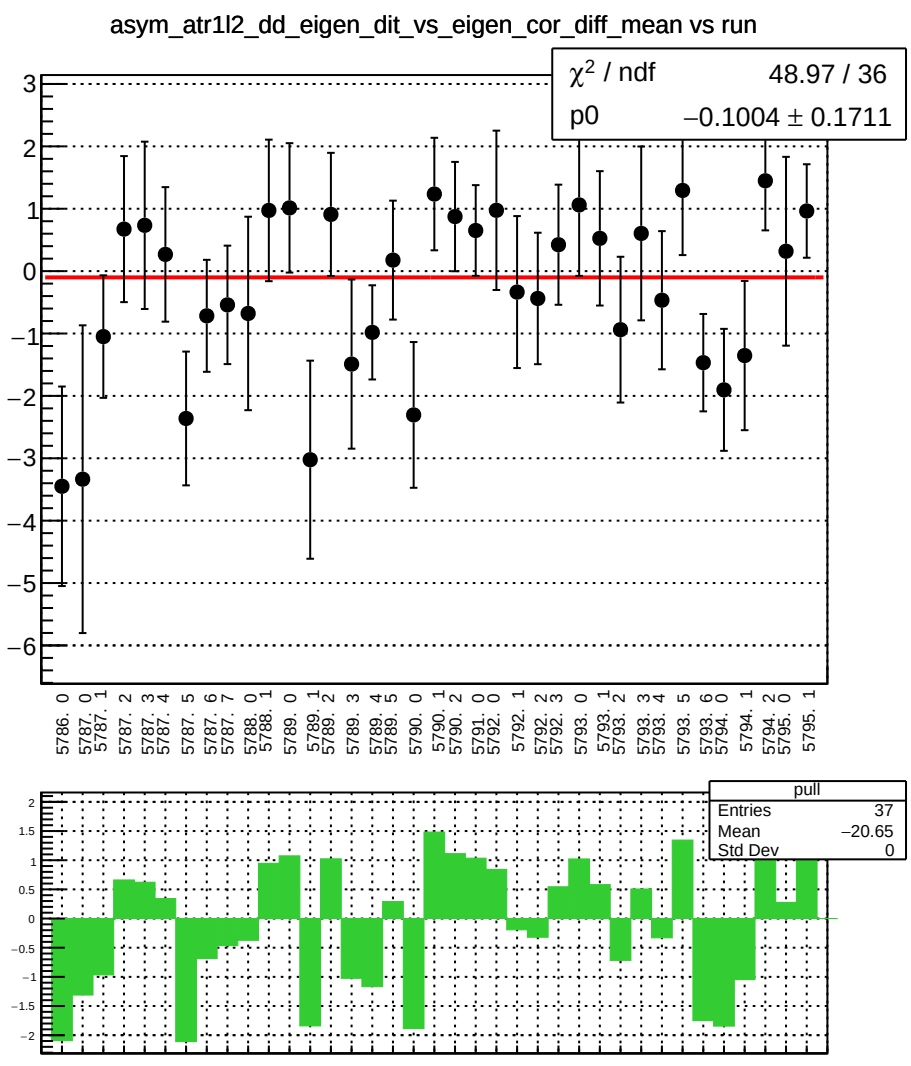

asym_atr1l2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.809e+04 / 36
p0 103 ± 0.121
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

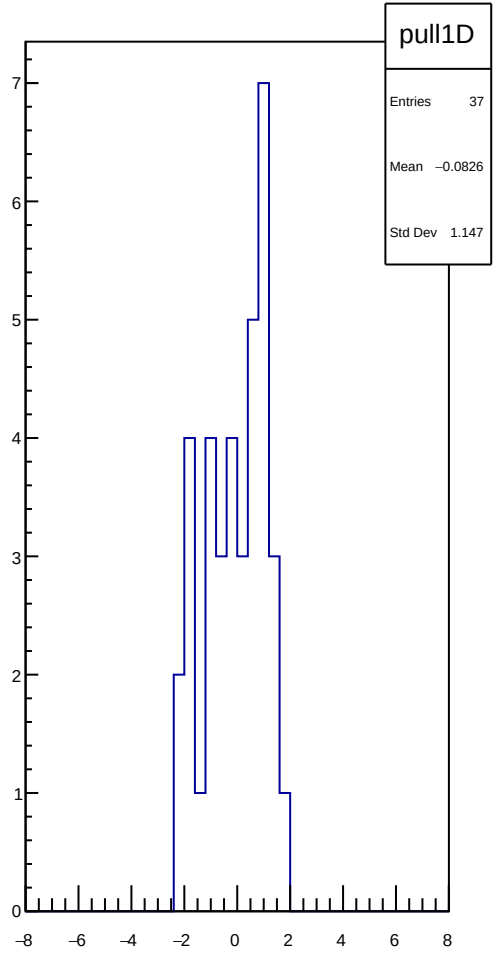

asym_atr1l2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38 / 36
p0 −2.482e−05 ± 1.471e−05
pull
Entries 37
Mean −21.32
Std Dev 0
pull1D
Entries 37
Mean −0.01156
Std Dev 1.013

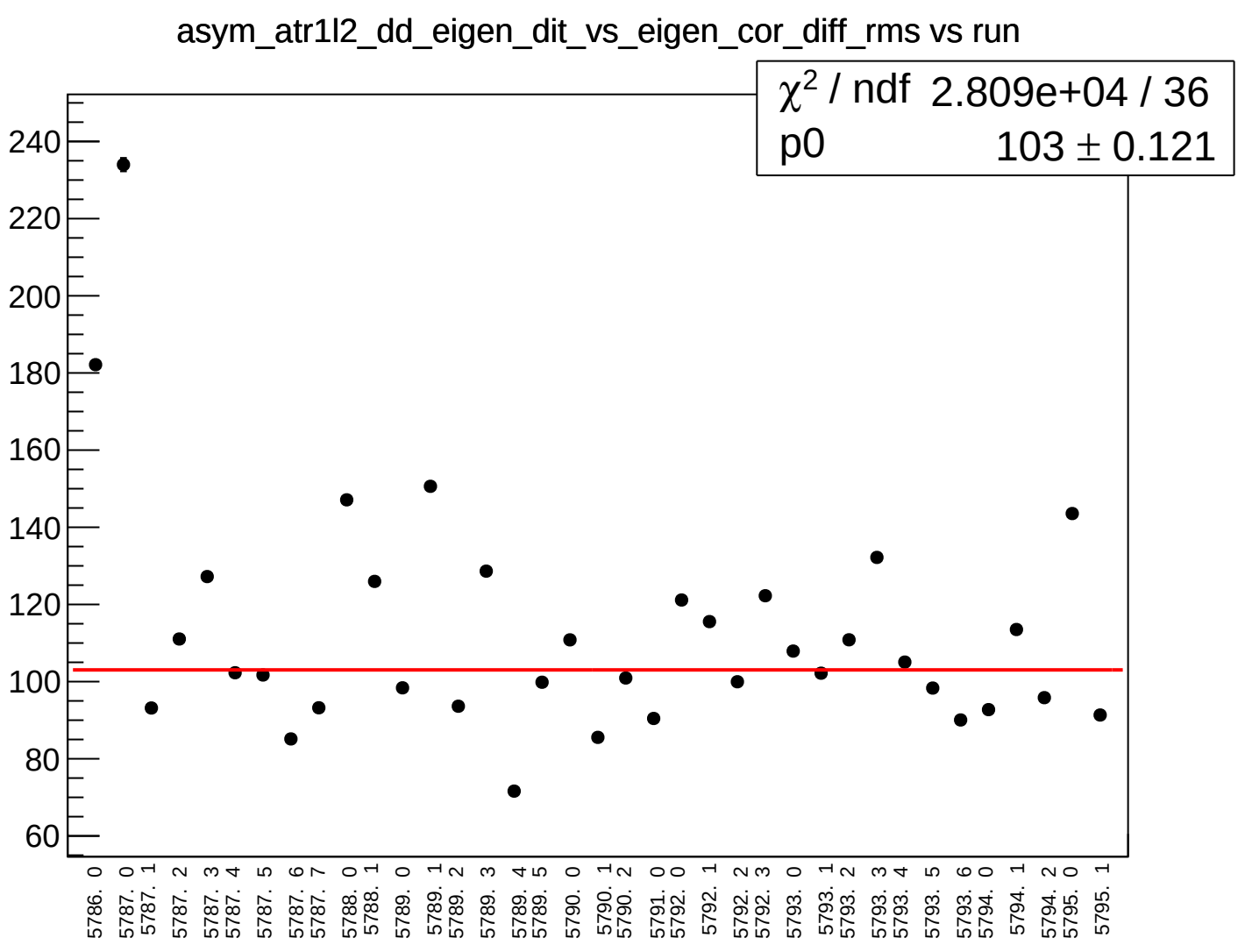

asym_atr1l2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2435 / 36
p0 0.009008 ± 1.04e−05
0.0105
0.01
0.0095
0.009
0.0085
0.008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

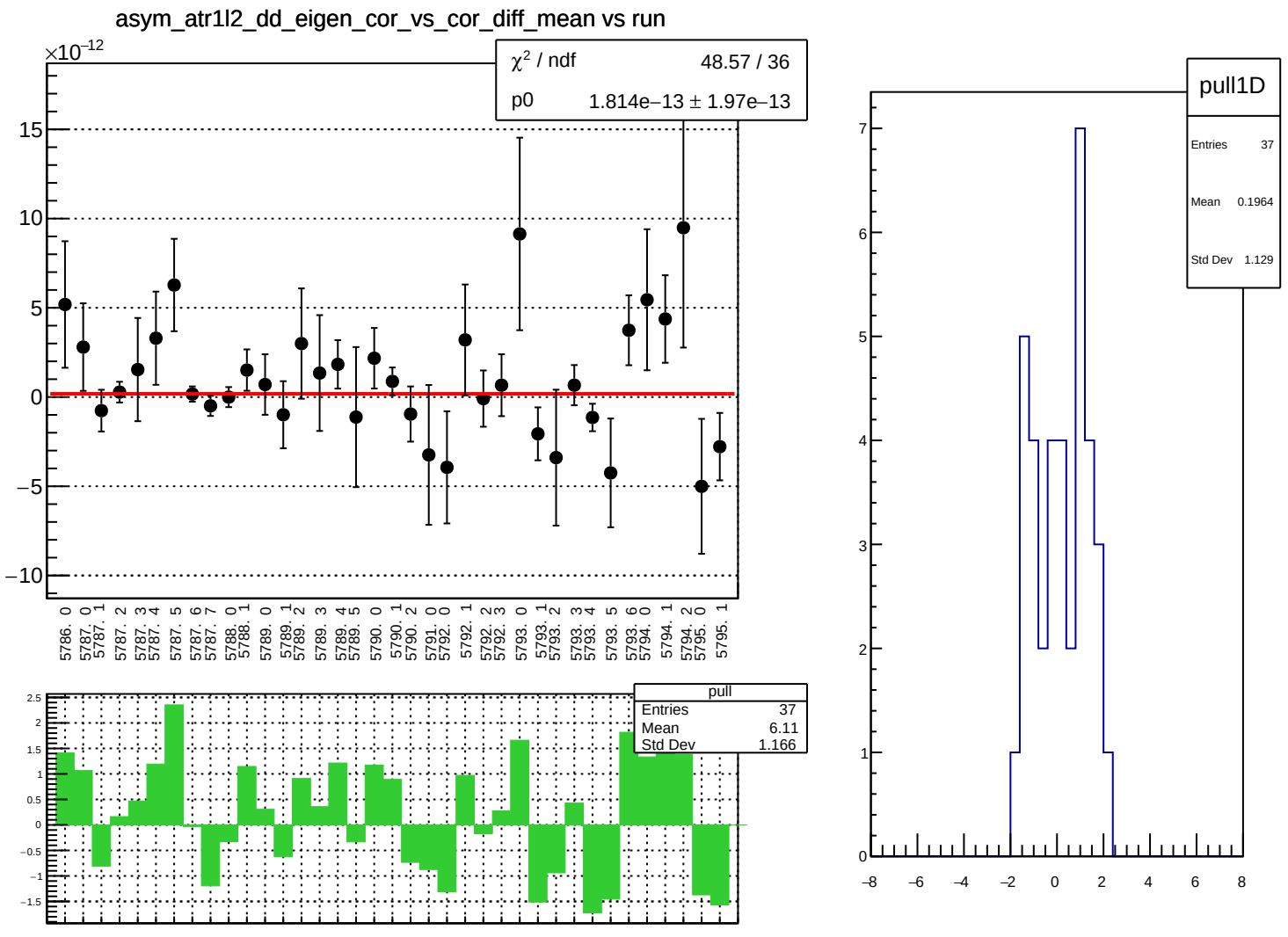

asym_atr1l2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.97 / 36
p0 −0.1004 ± 0.1711
pull
Entries 37
Mean −20.65
Std Dev 0
pull1D
Entries 37
Mean −0.0826
Std Dev 1.147

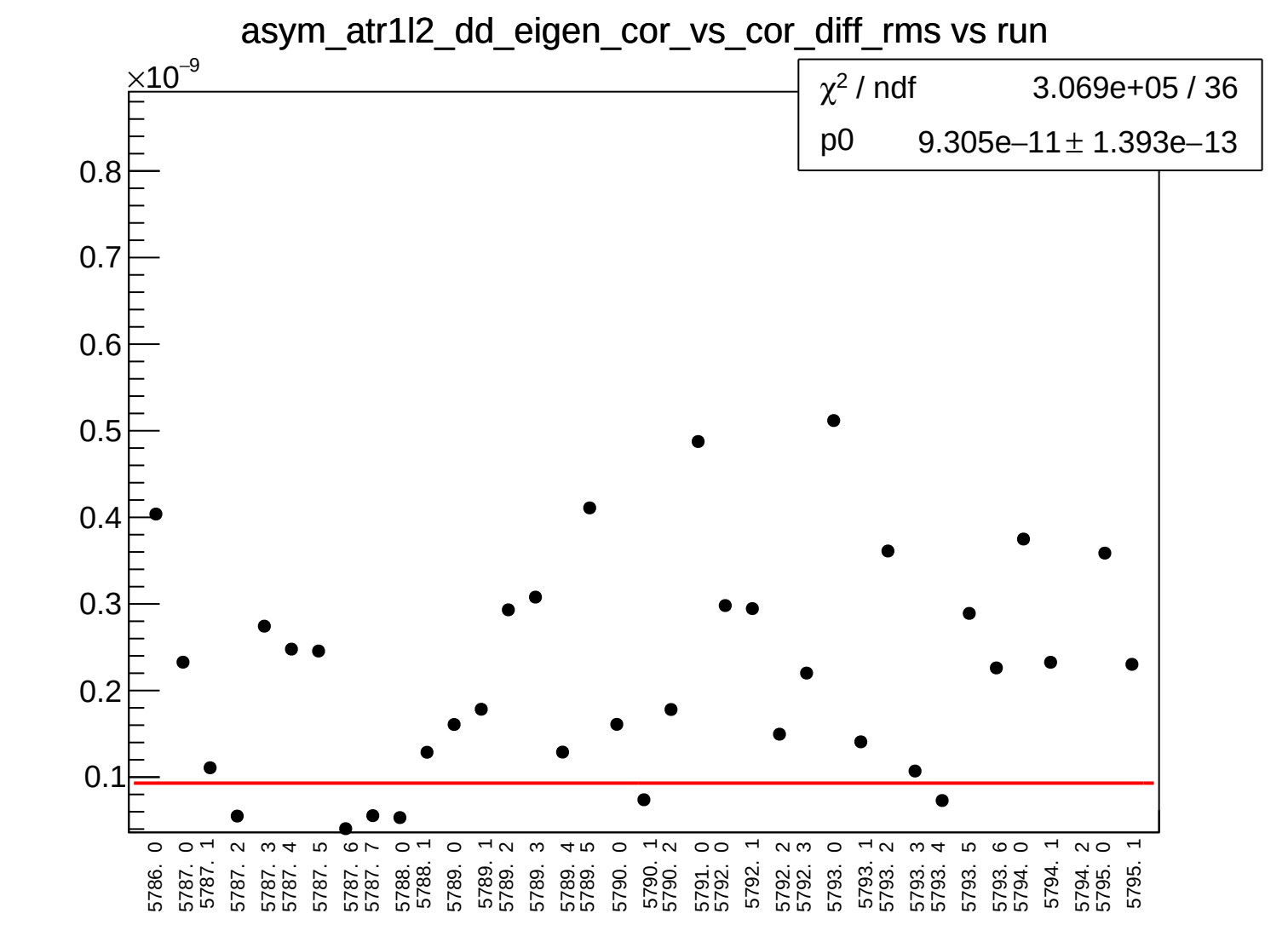

asym_atr1l2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.809e+04 / 36
p0 103 ± 0.121
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

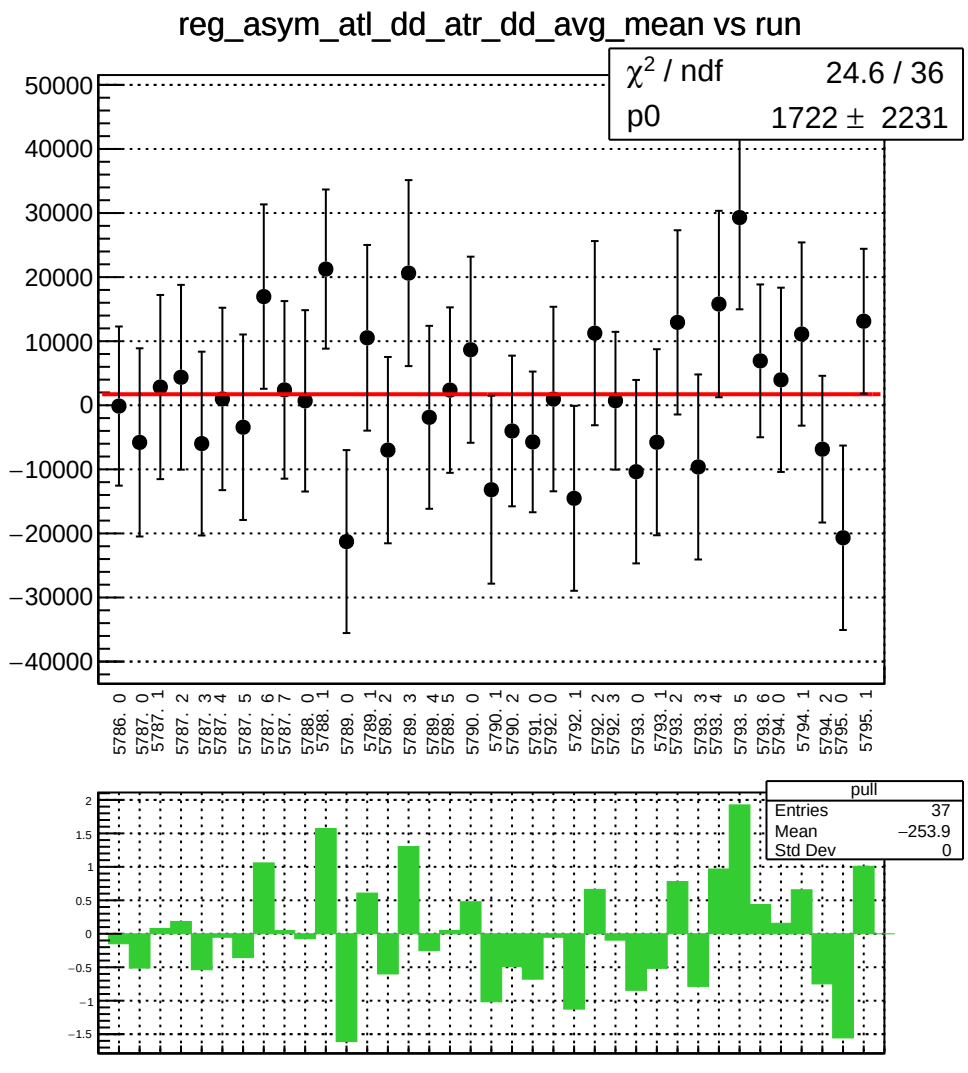

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.97 / 36
p0 −0.1004 ± 0.1711
pull
Entries 37
Mean −20.65
Std Dev 0

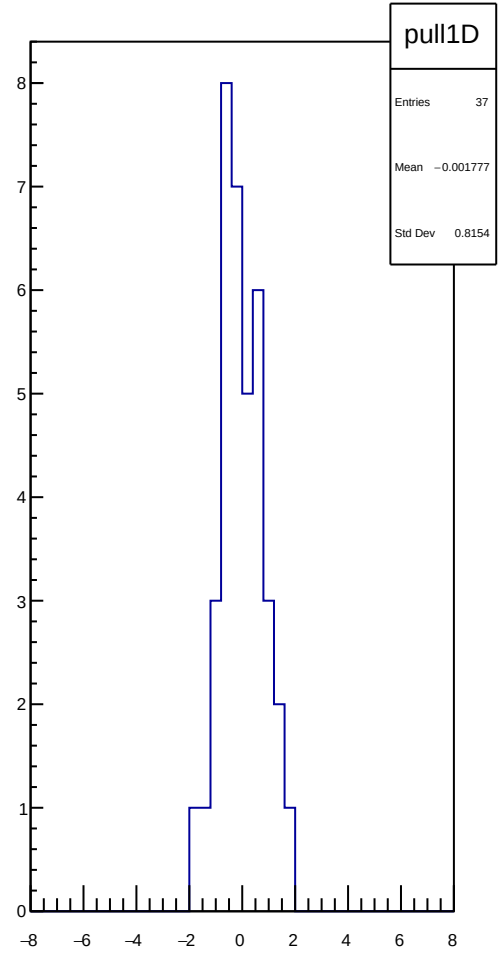

pull1D
Entries 37
Mean −0.0826
Std Dev 1.147

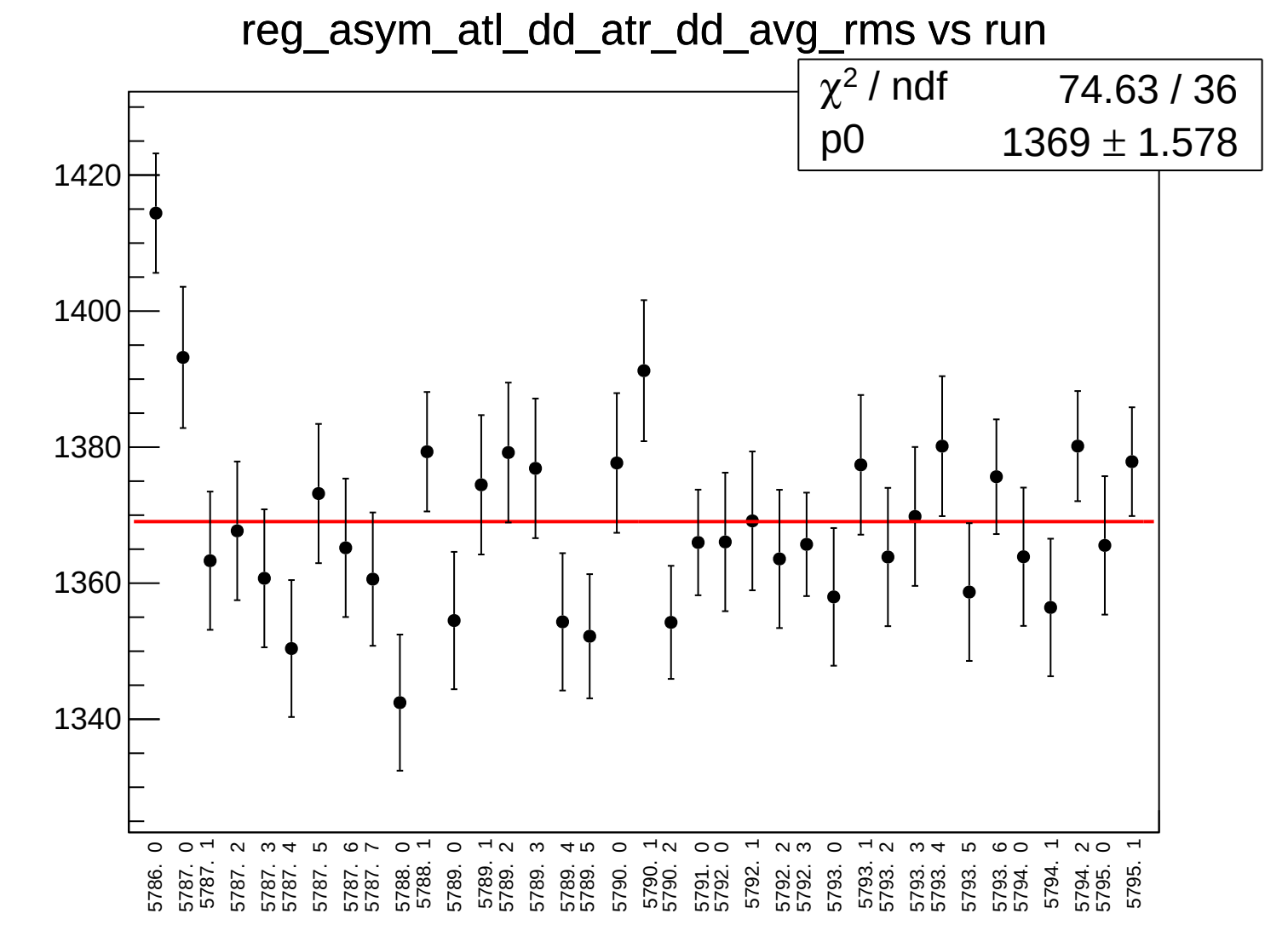

asym_atr1l2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.809e+04 / 36
p0 103 ± 0.121
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

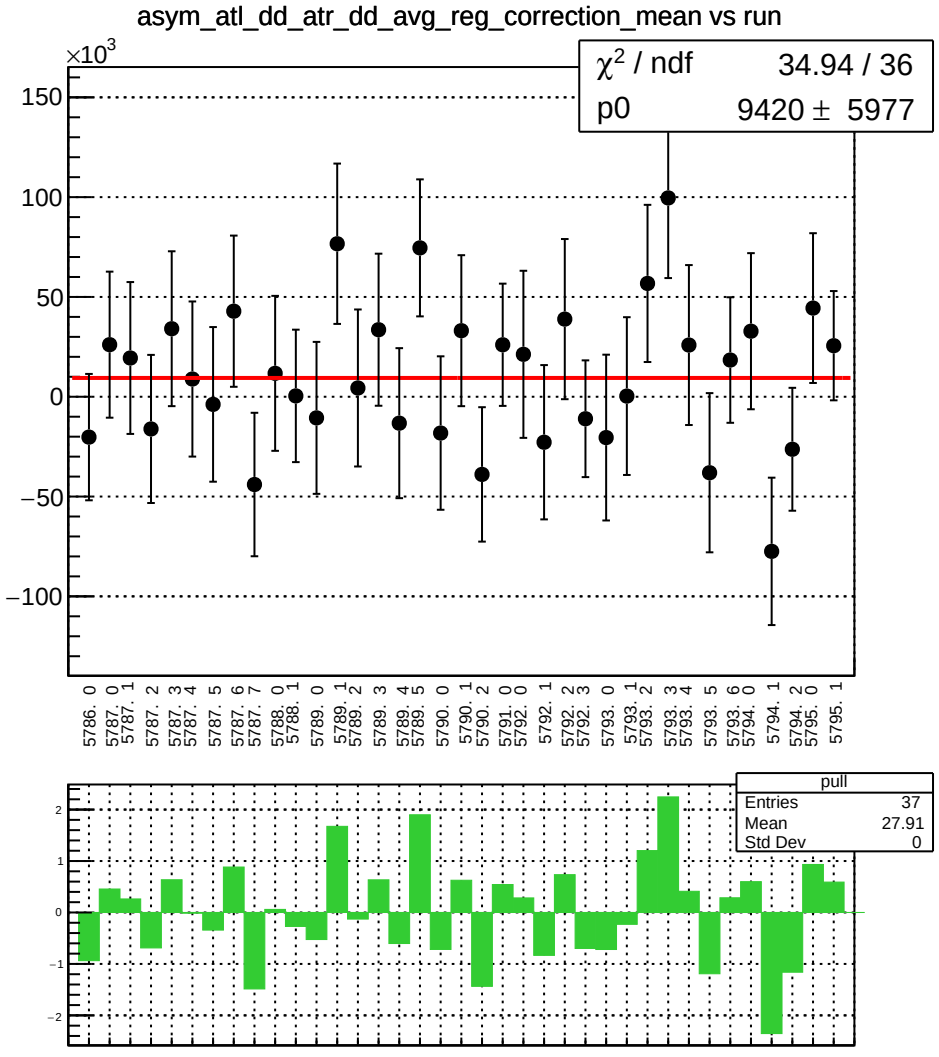

asym_atr1l2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 48.57 / 36
p0 1.814e−13 ± 1.97e−13
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.11
Std Dev 1.166
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.1964
Std Dev 1.129
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

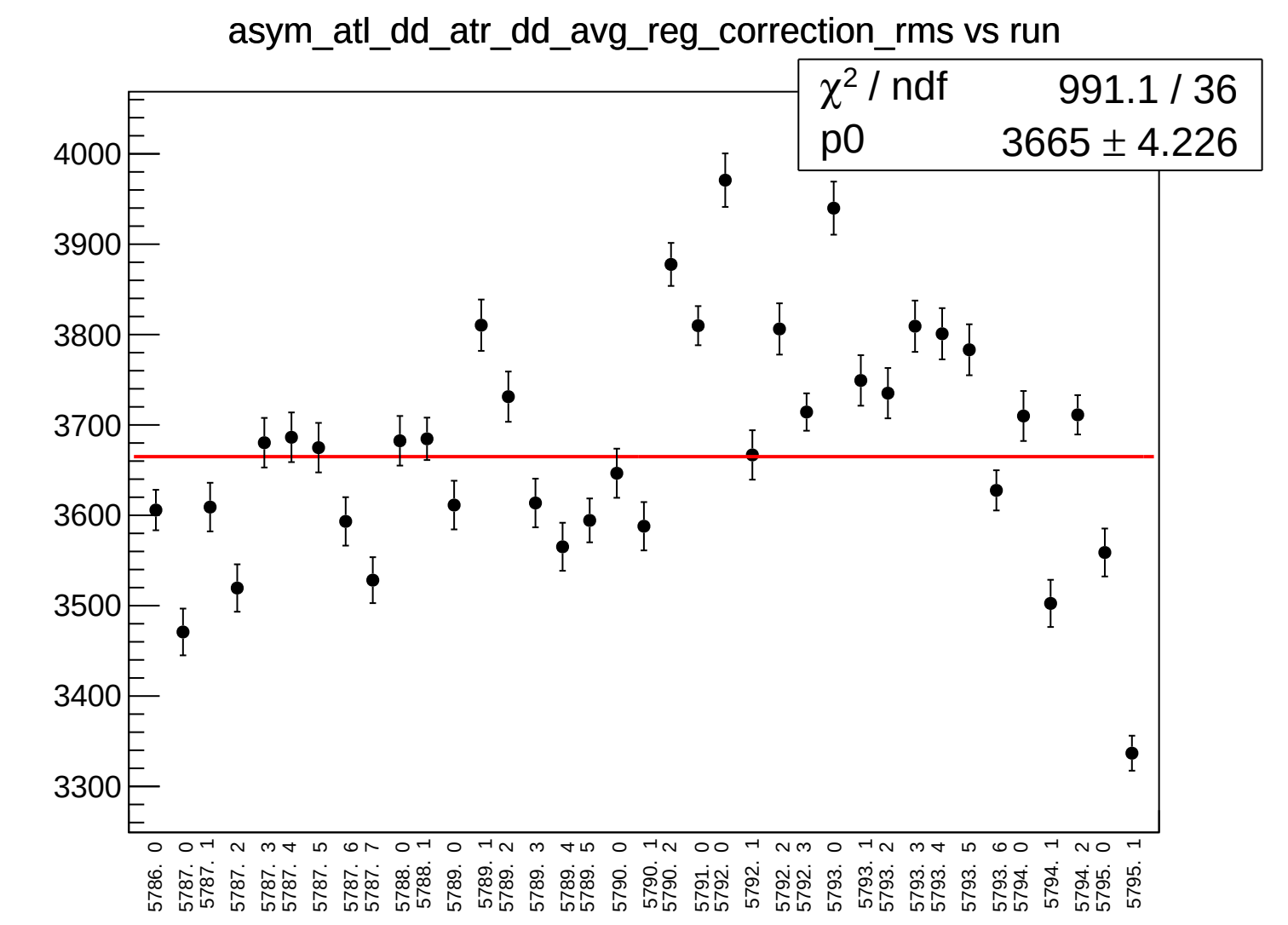

asym_atr1l2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.069e+05 / 36
p0 9.305e−11 ± 1.393e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

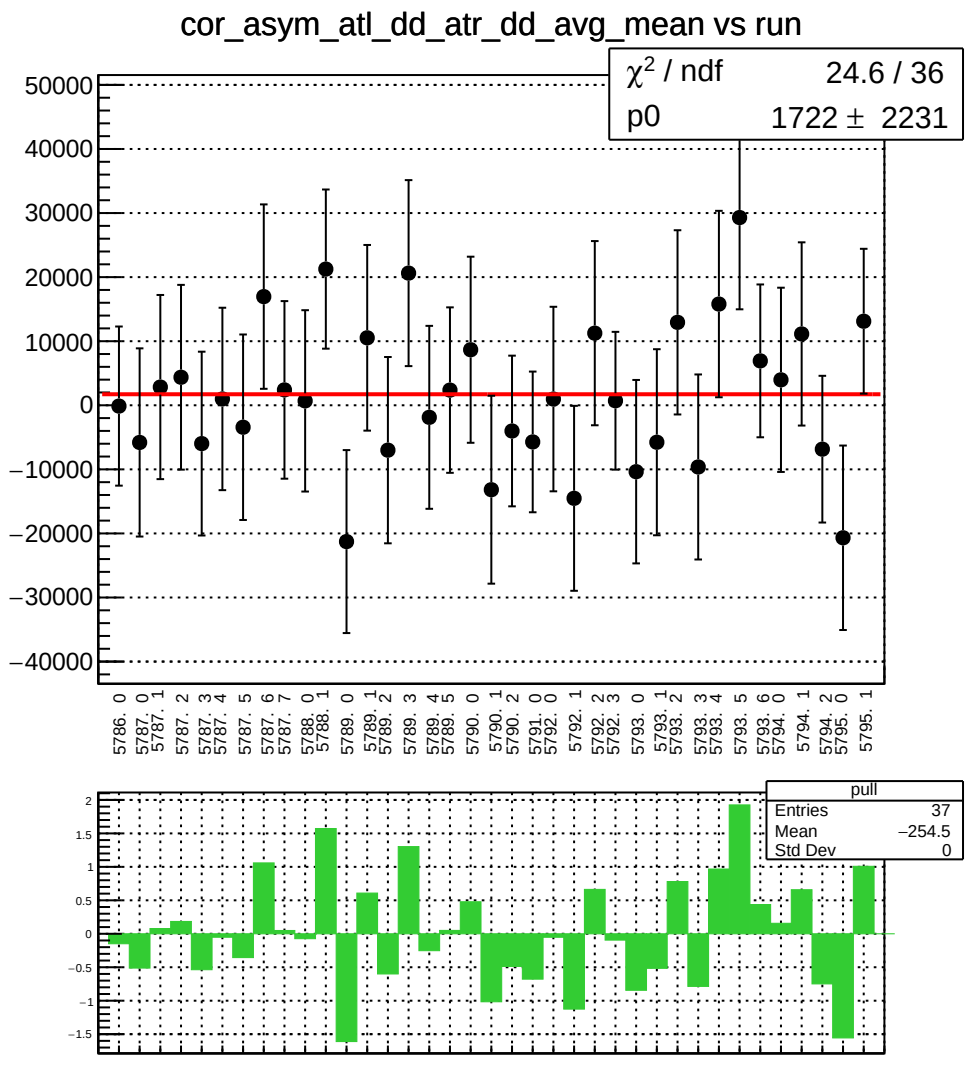

reg_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
pull
Entries 37
Mean −253.9
Std Dev 0

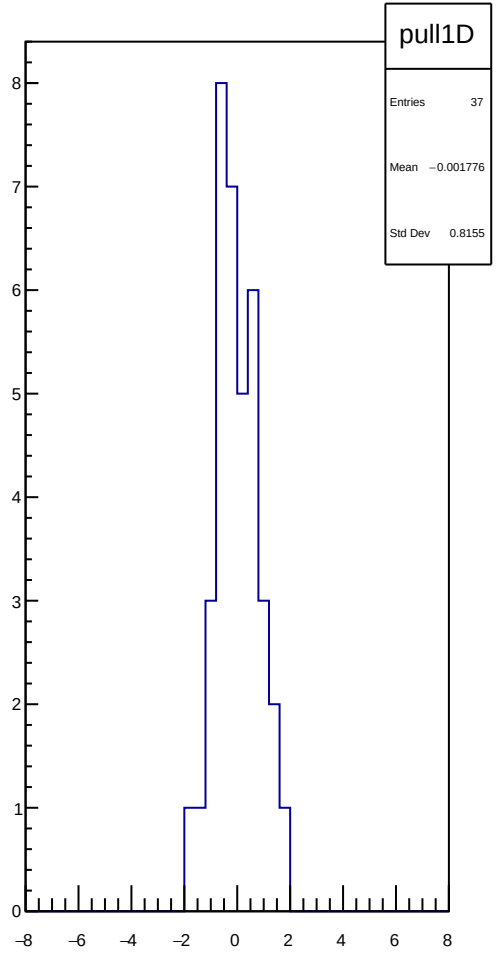

pull1D
Entries 37
Mean −0.001777
Std Dev 0.8154

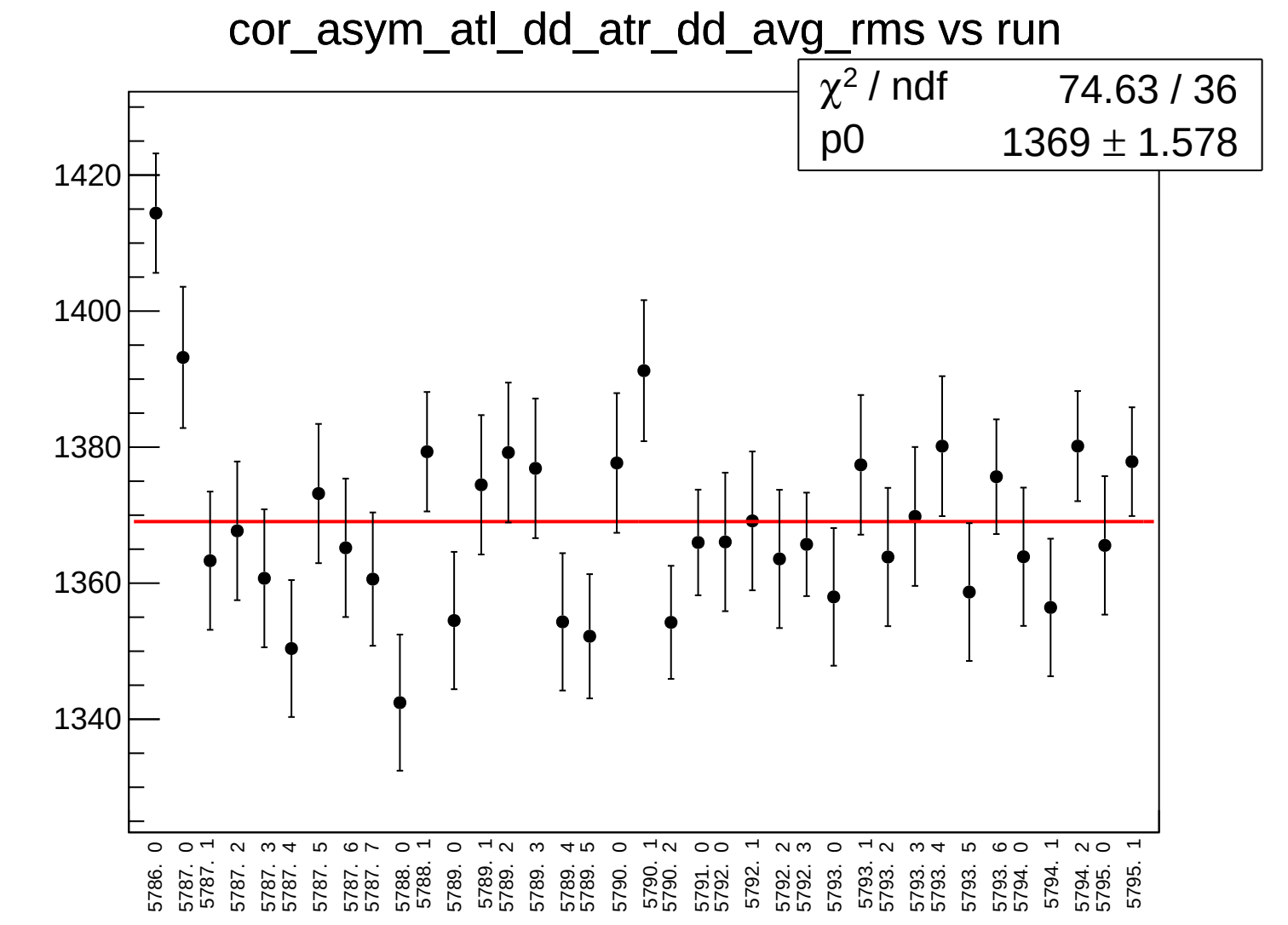

reg_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

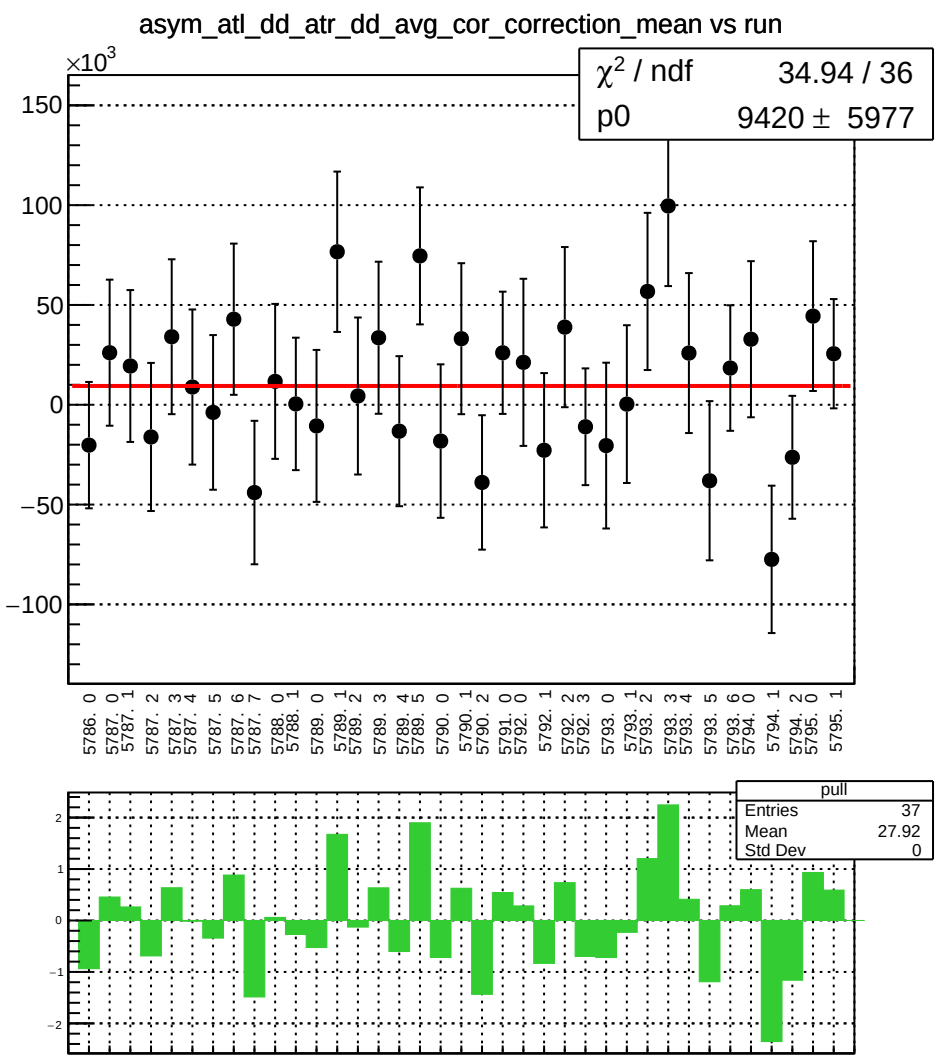

asym_atl_dd_atr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.91
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01684
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

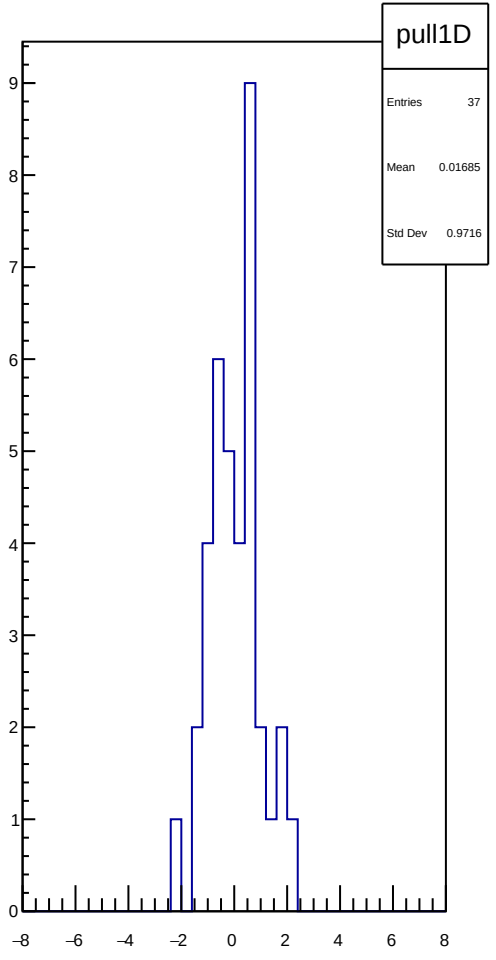

asym_atl_dd_atr_dd_avg_reg_correction_rms vs run
χ² / ndf 991.1 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

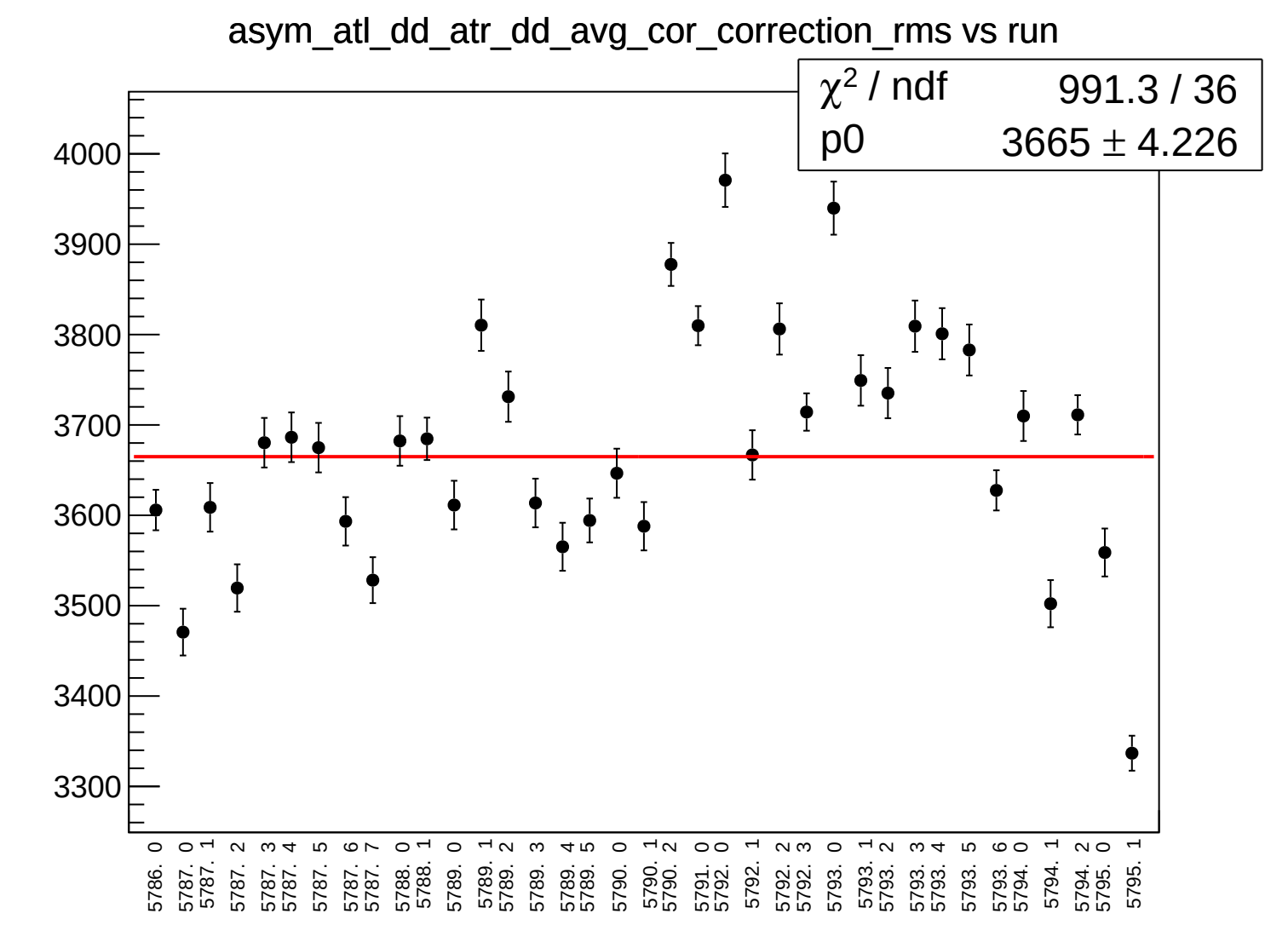

cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
pull
Entries 37
Mean −254.5
Std Dev 0

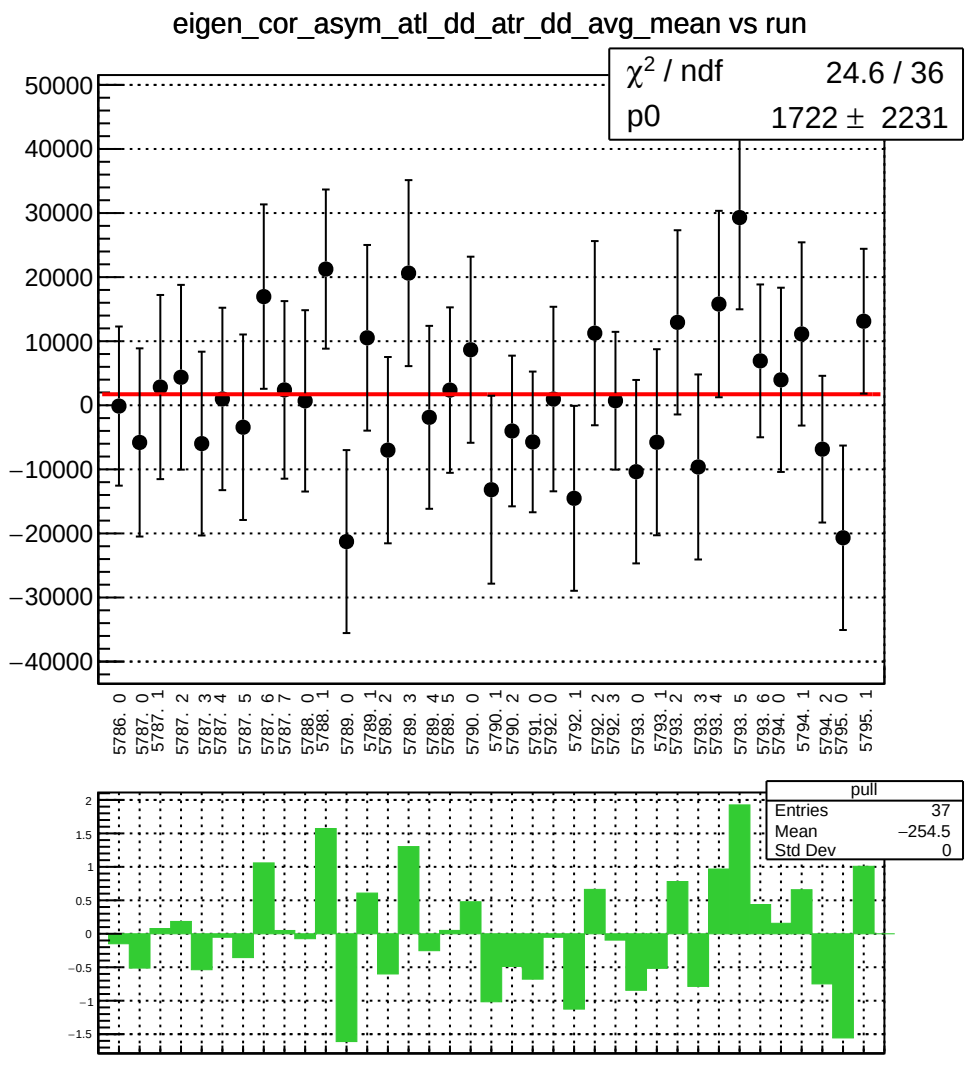

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155

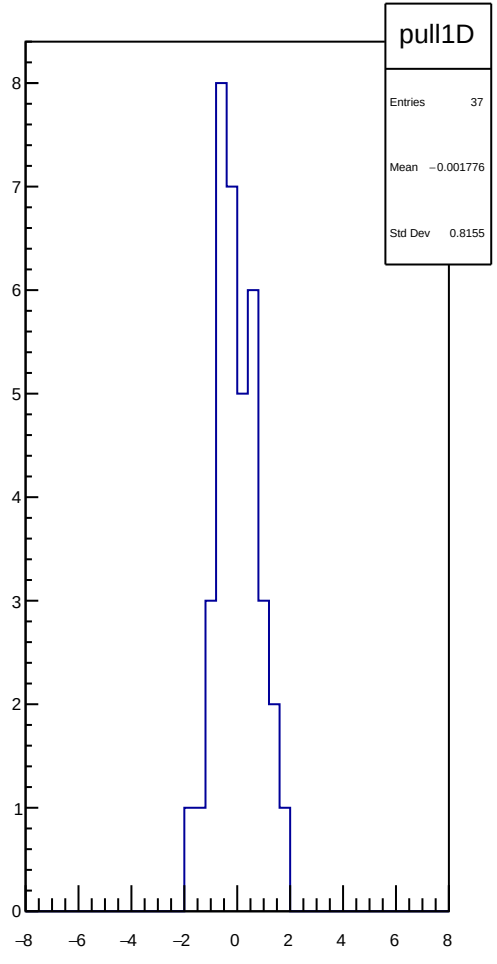

cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

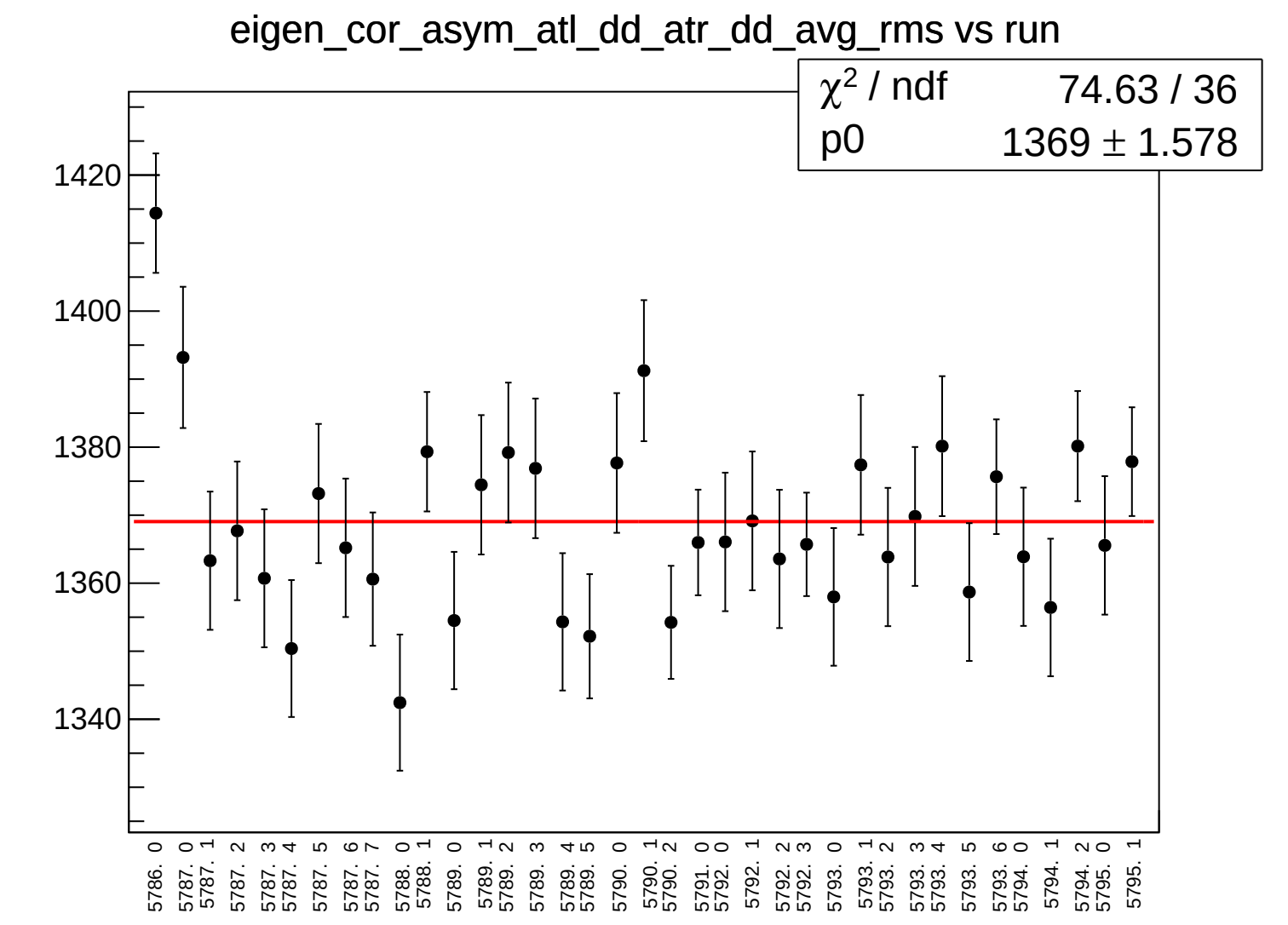

asym_atl_dd_atr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2

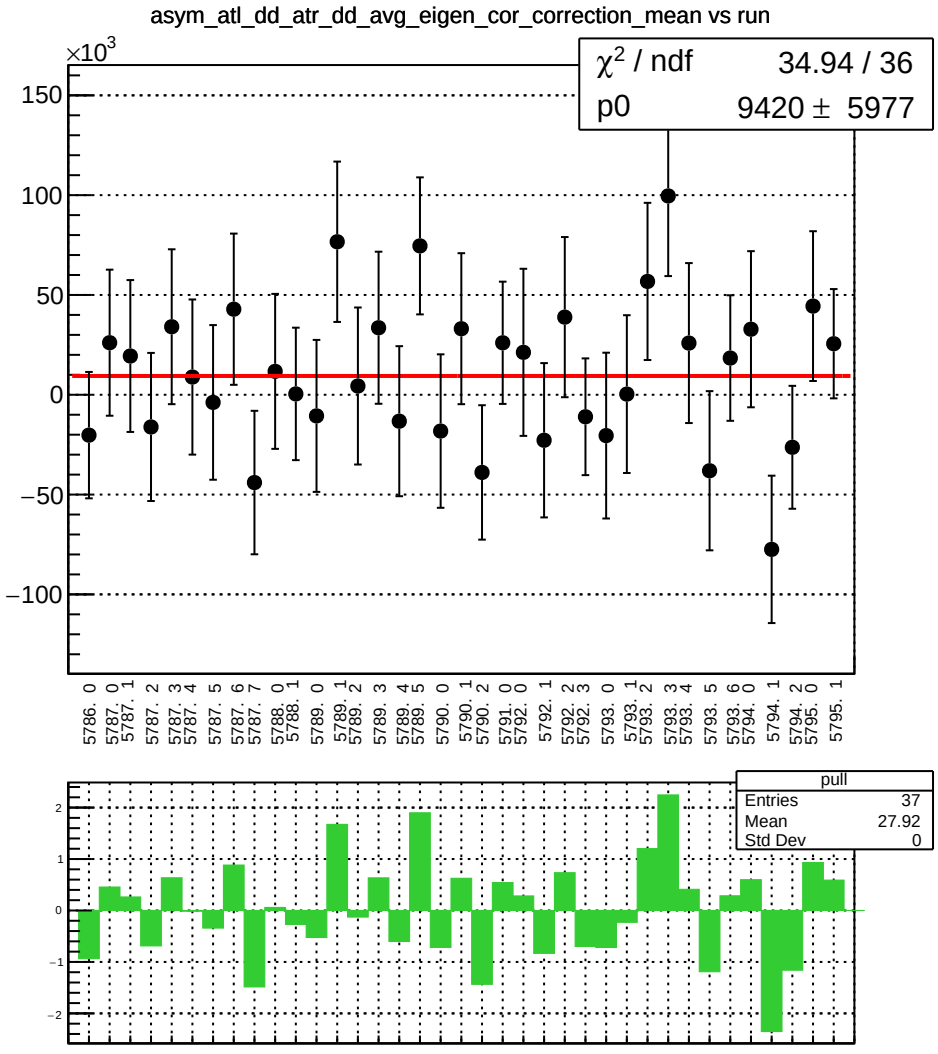

pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

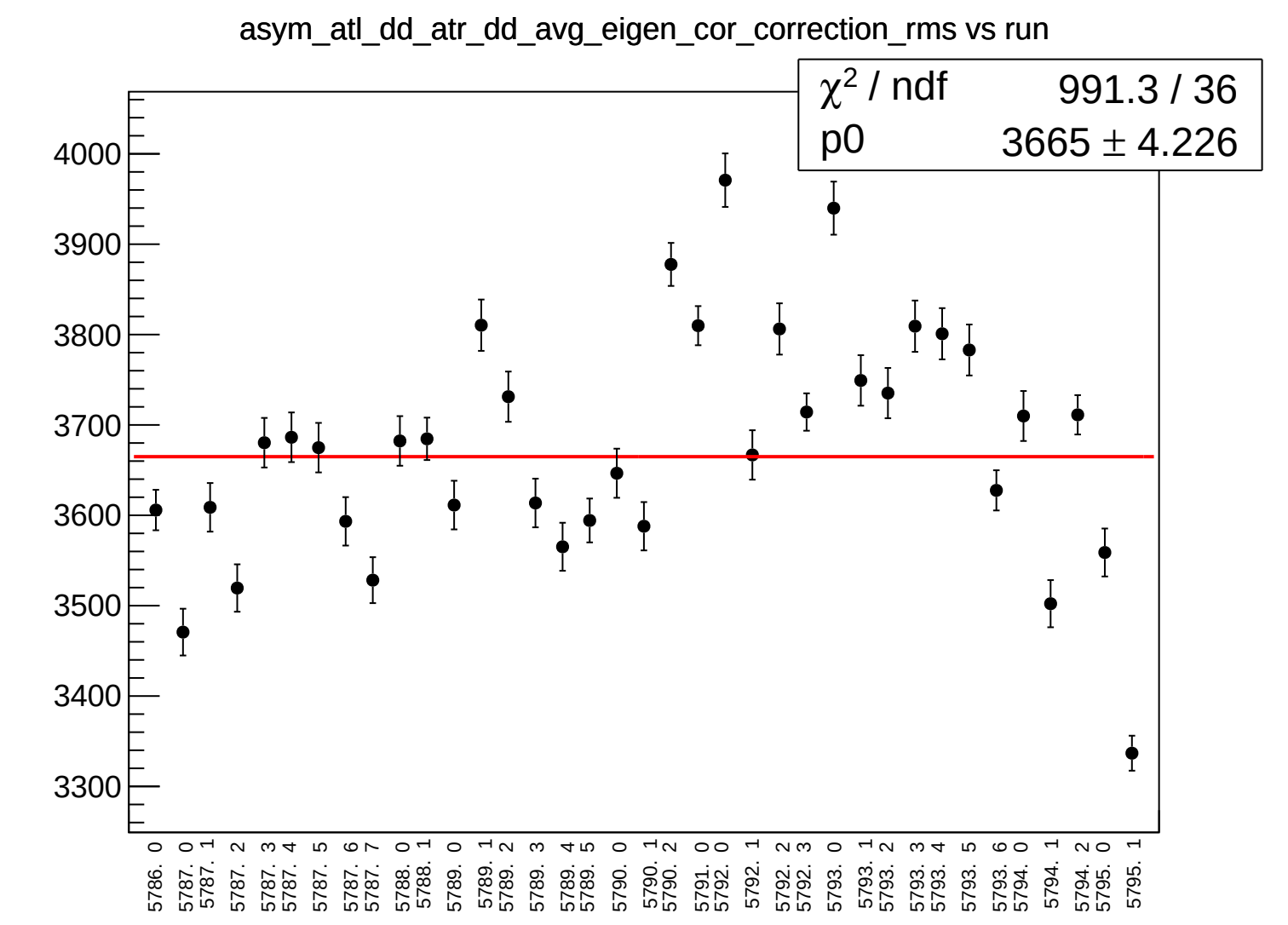

asym_atl_dd_atr_dd_avg_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

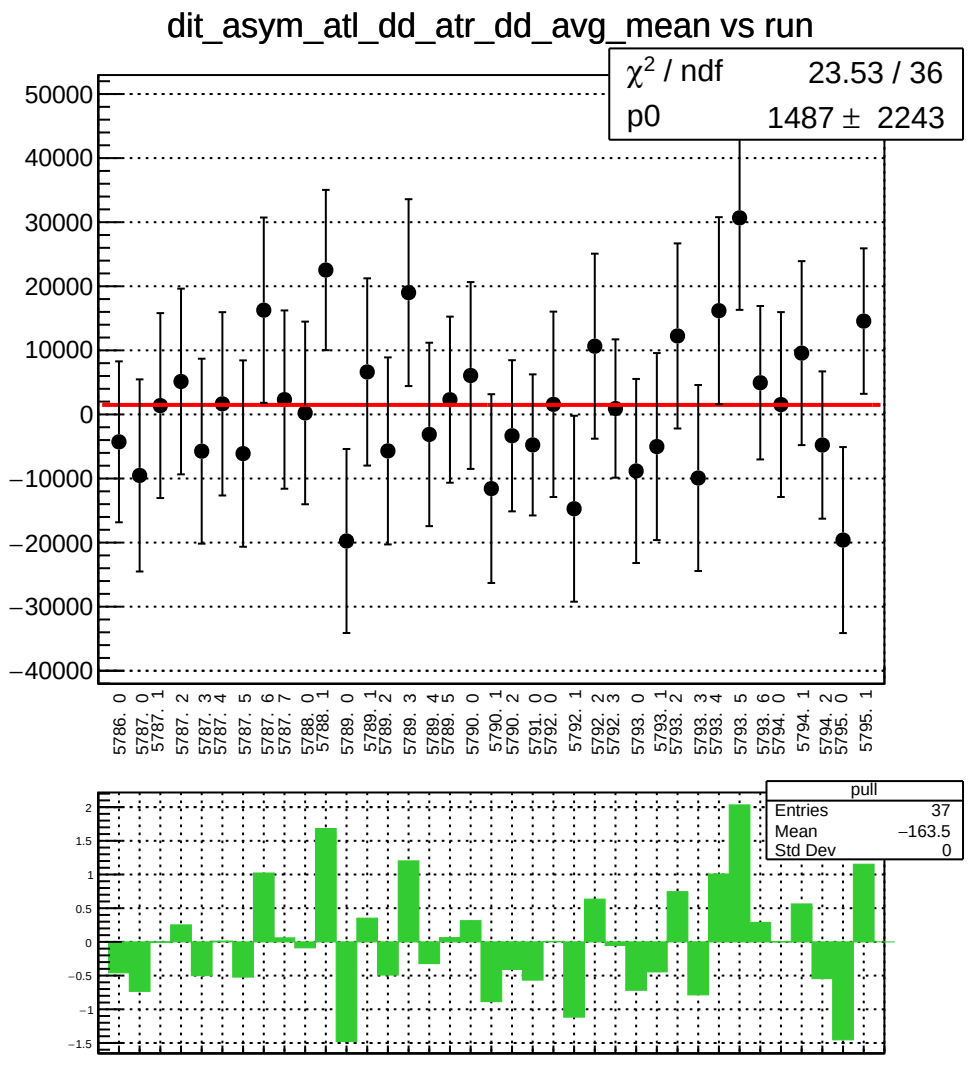

eigen_cor_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
pull
Entries 37
Mean −254.5
Std Dev 0

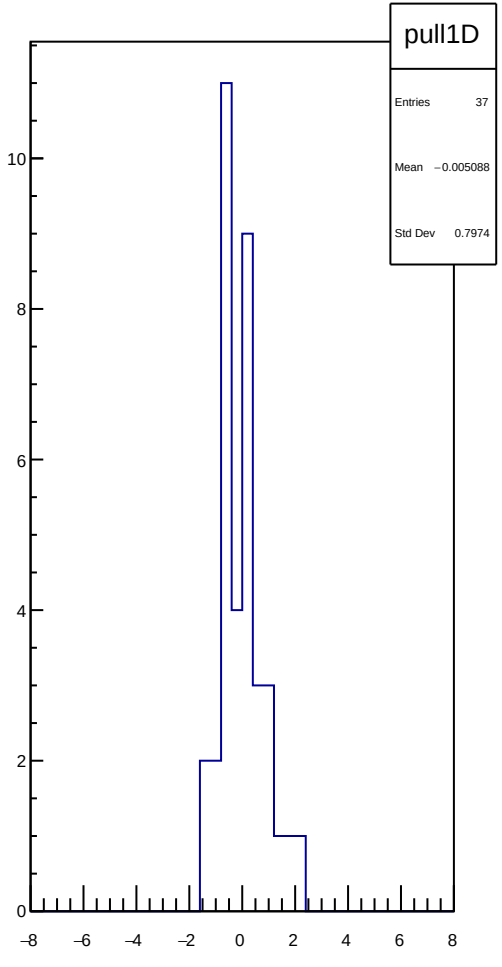

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155

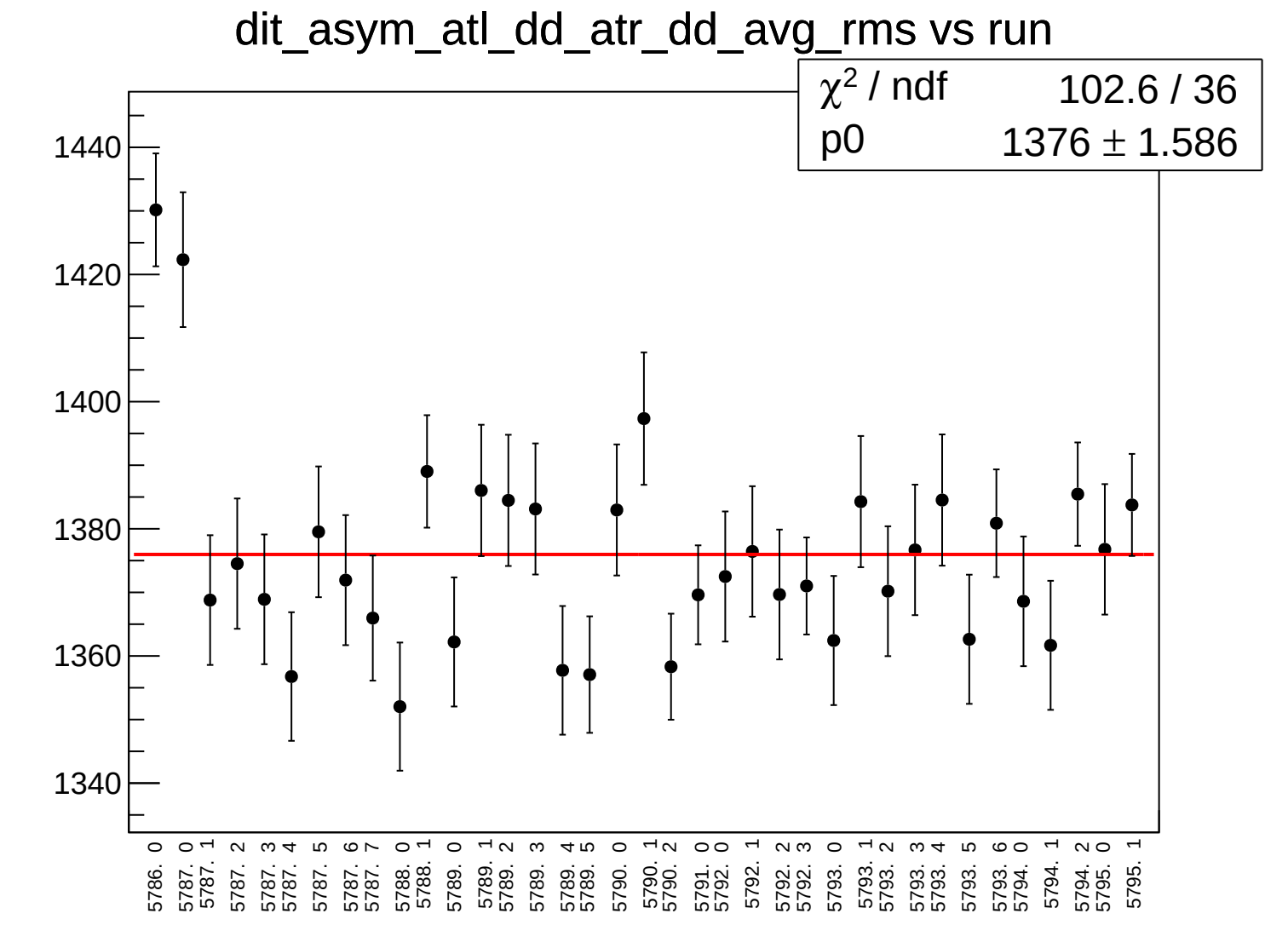

eigen_cor_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

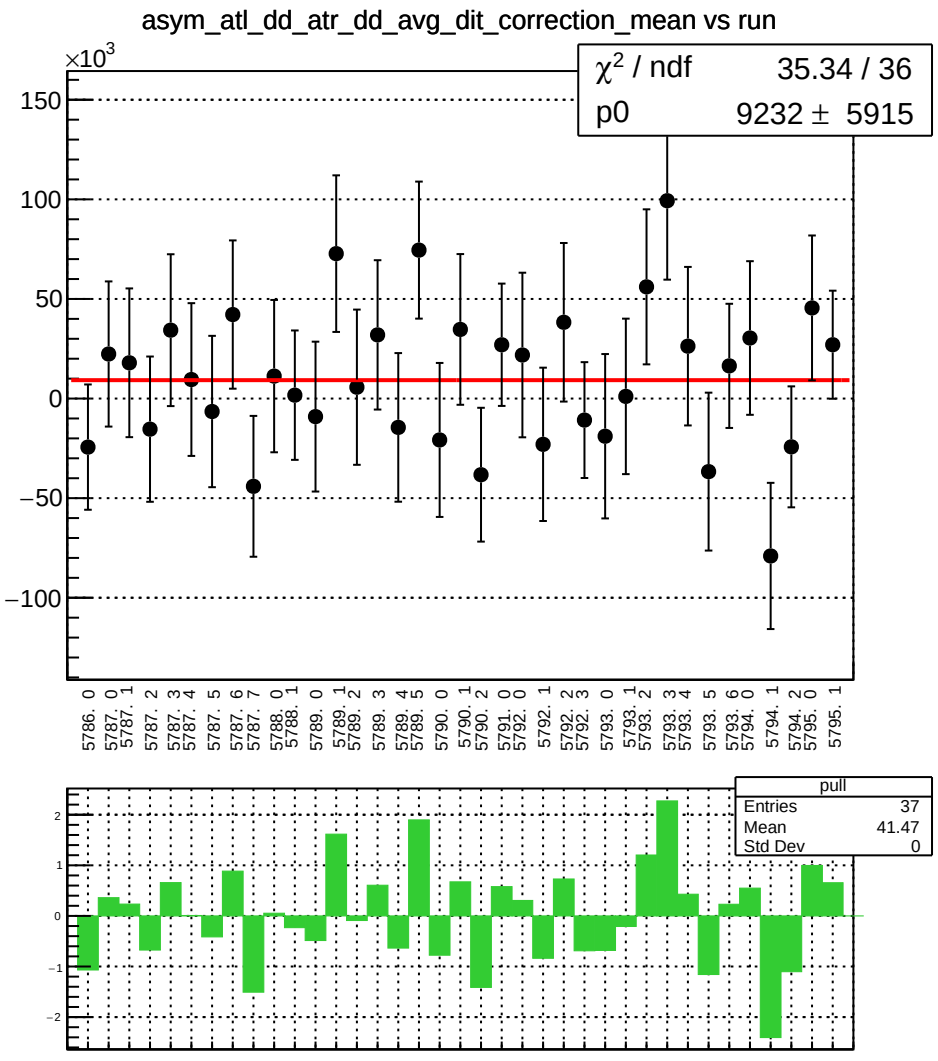

asym_atl_dd_atr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

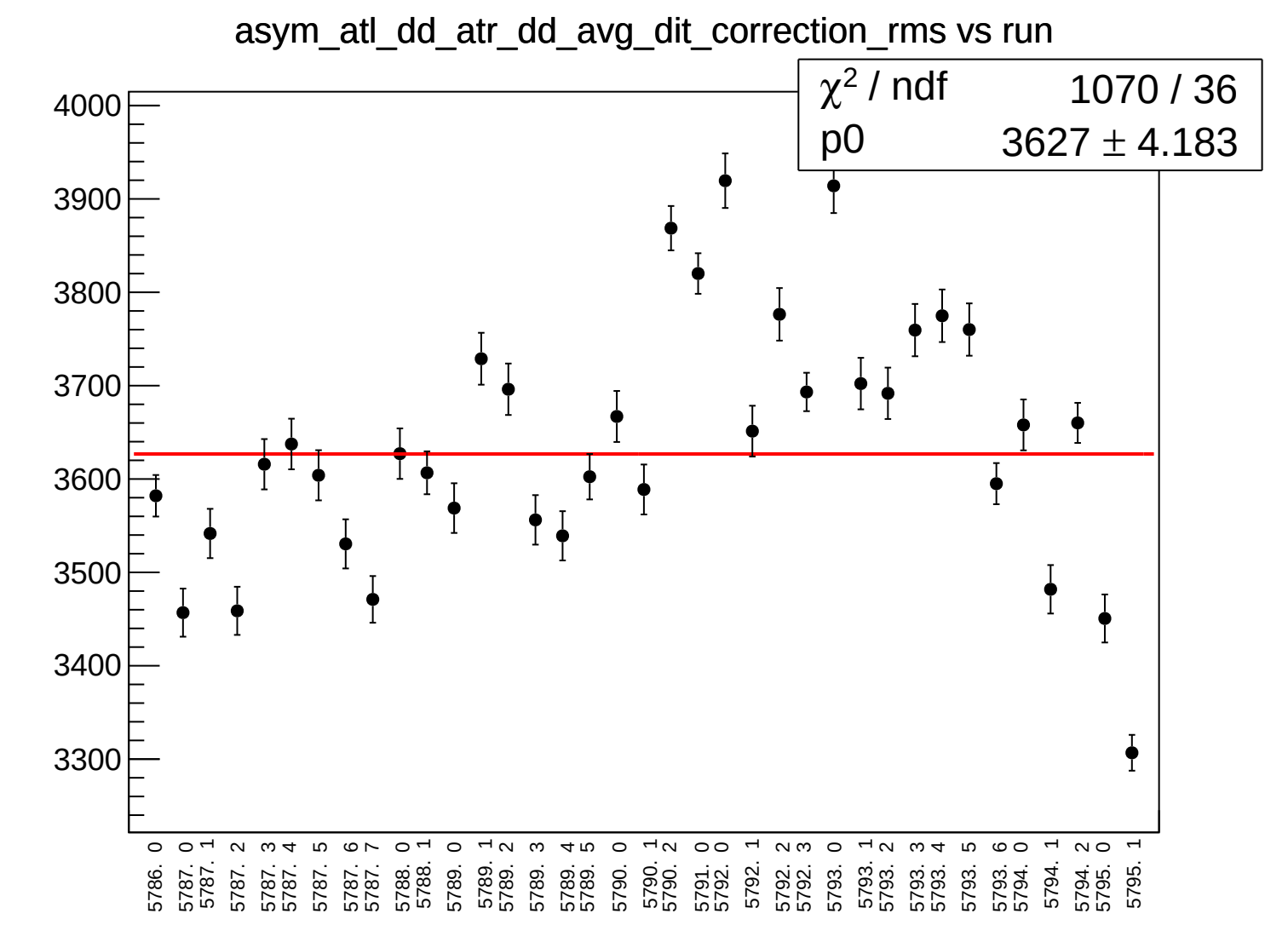

asym_atl_dd_atr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

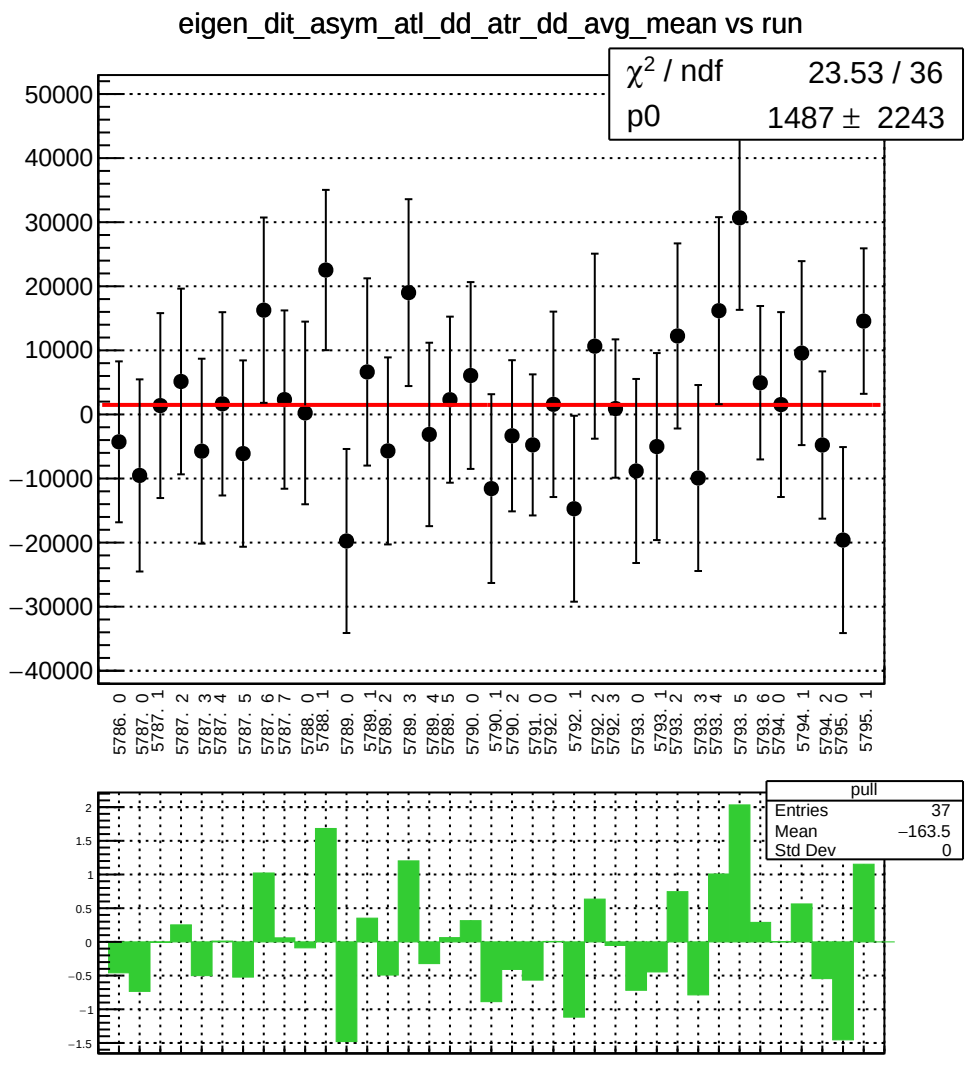

dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
pull
Entries 37
Mean −163.5
Std Dev 0

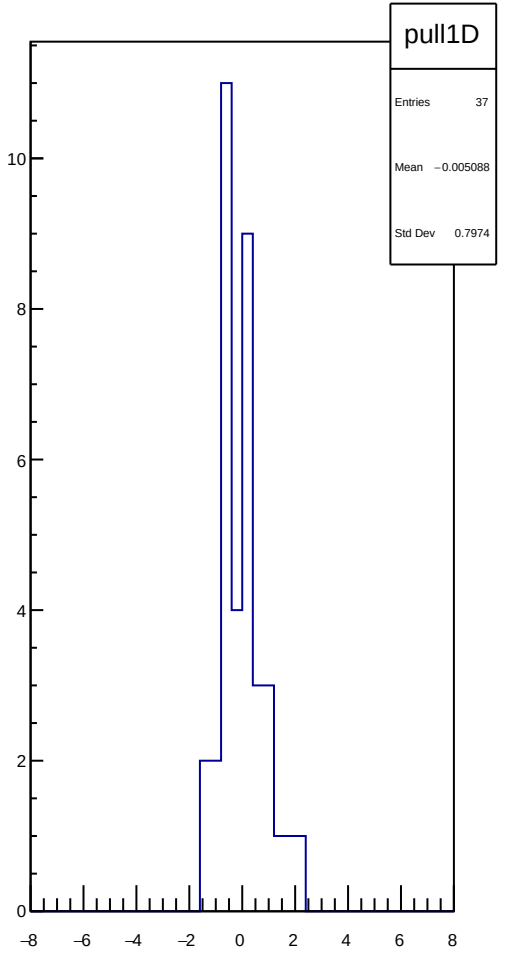

pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974

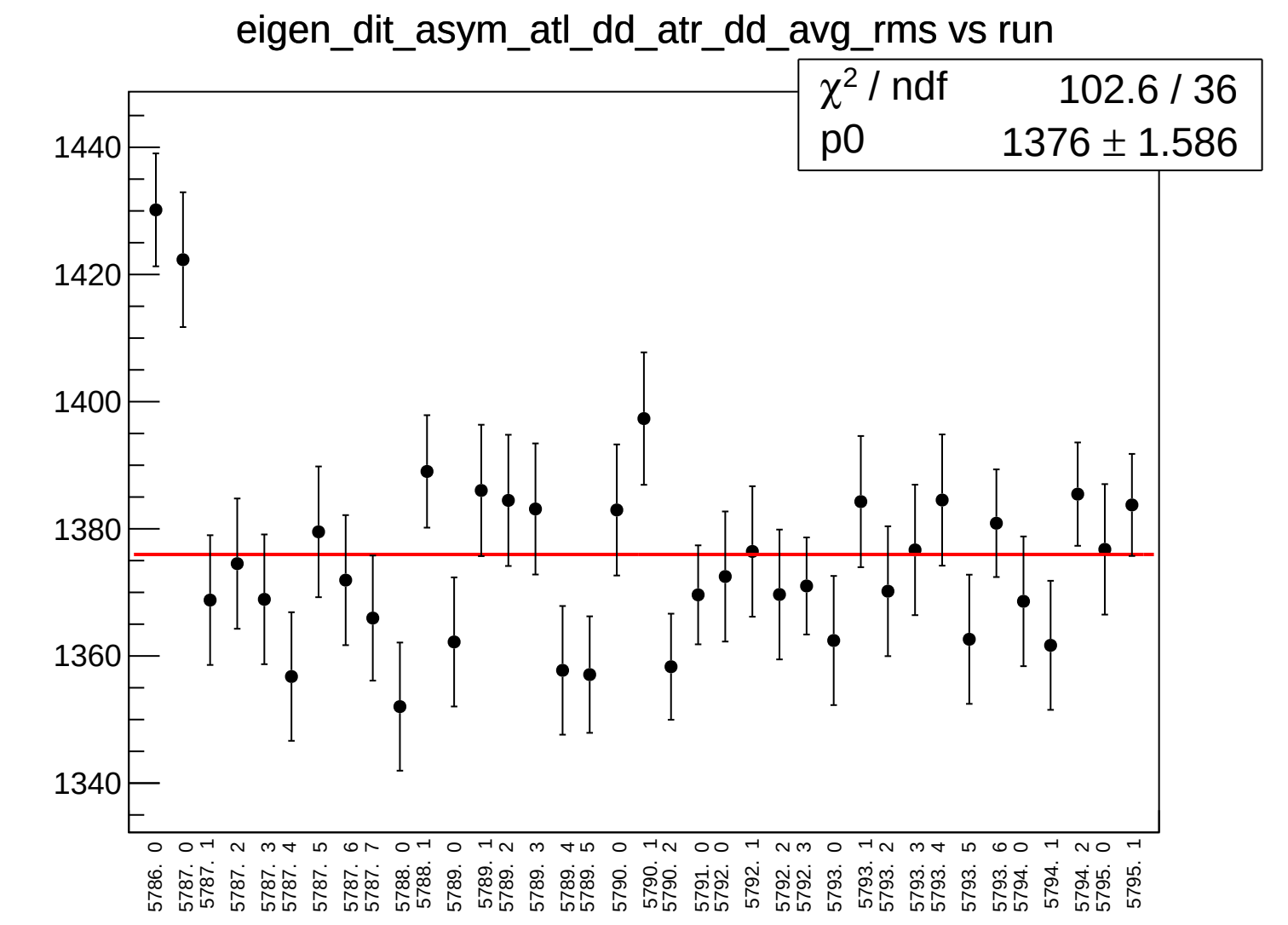

dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

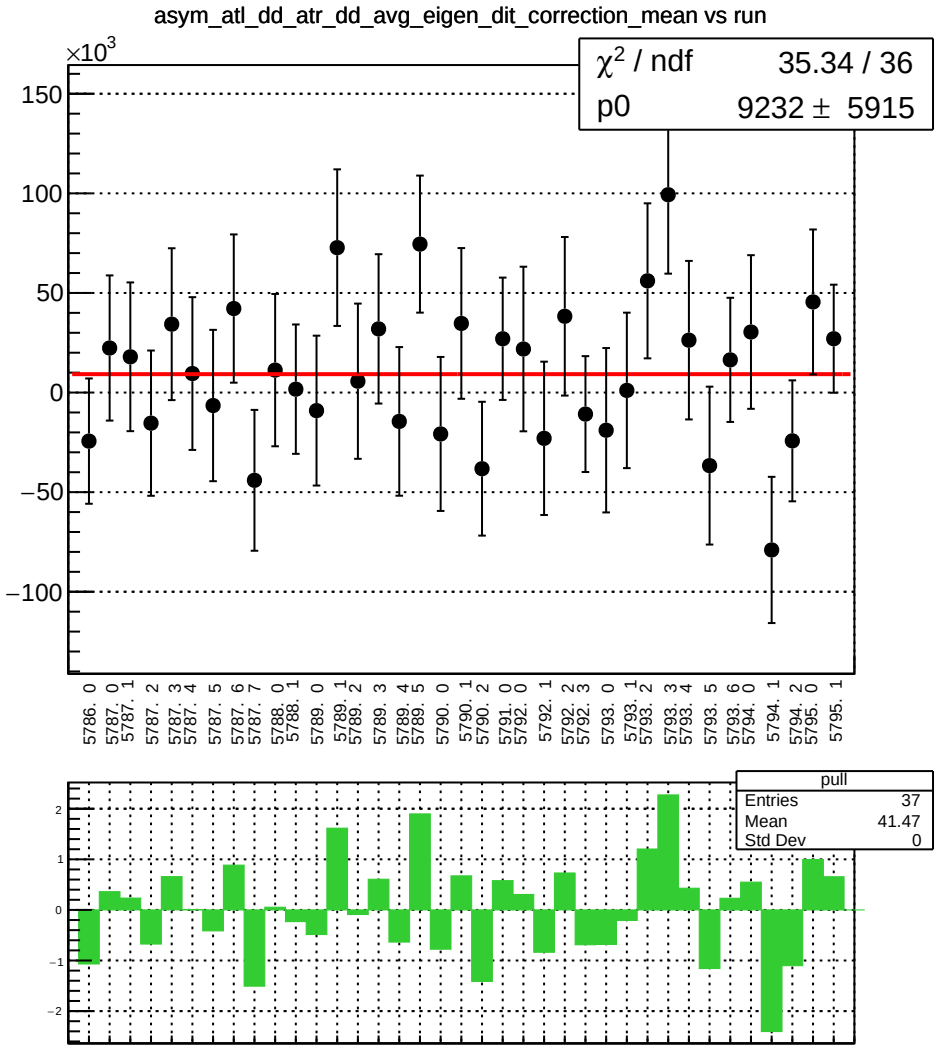

asym_atl_dd_atr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

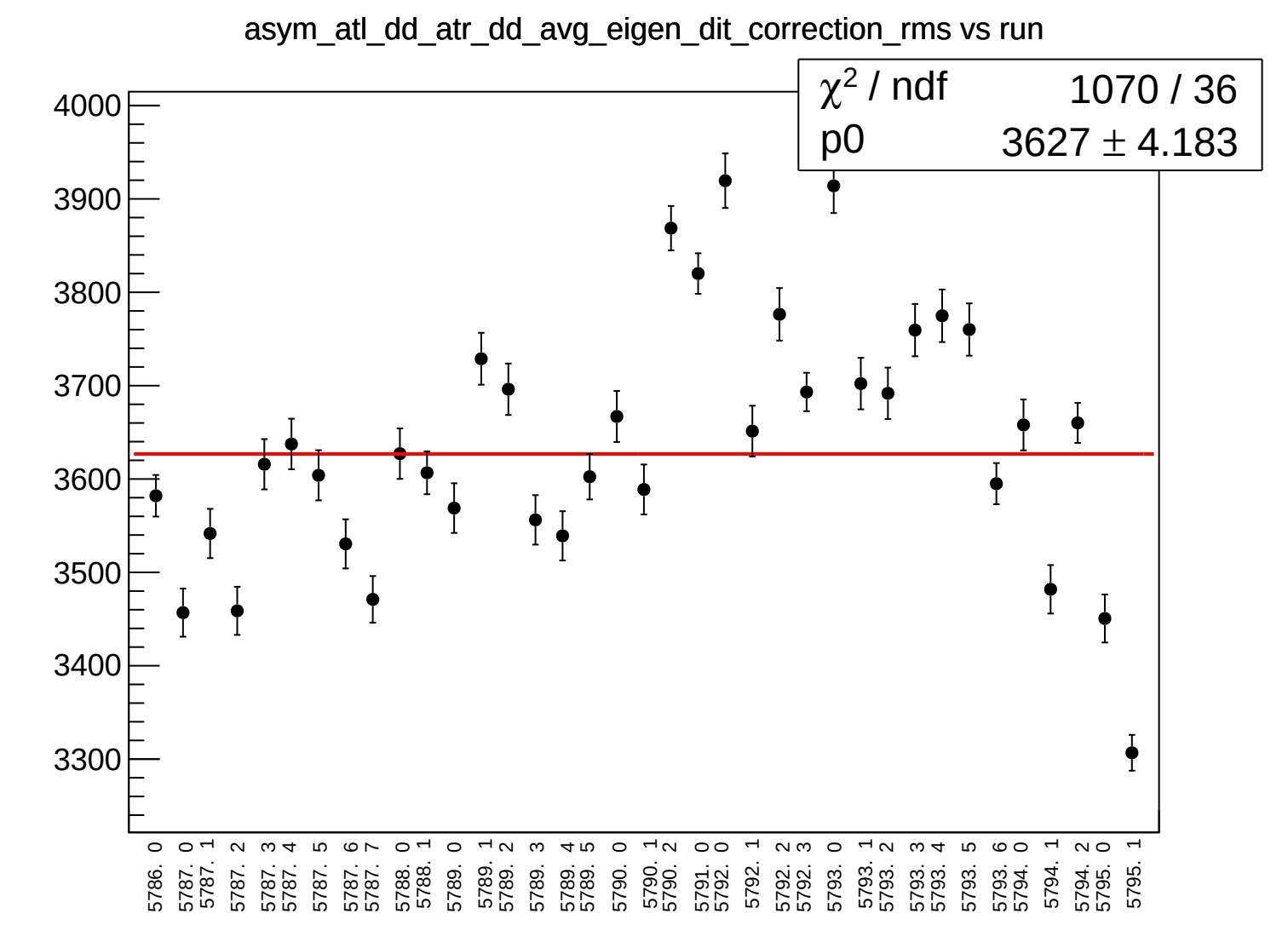

asym_atl_dd_atr_dd_avg_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

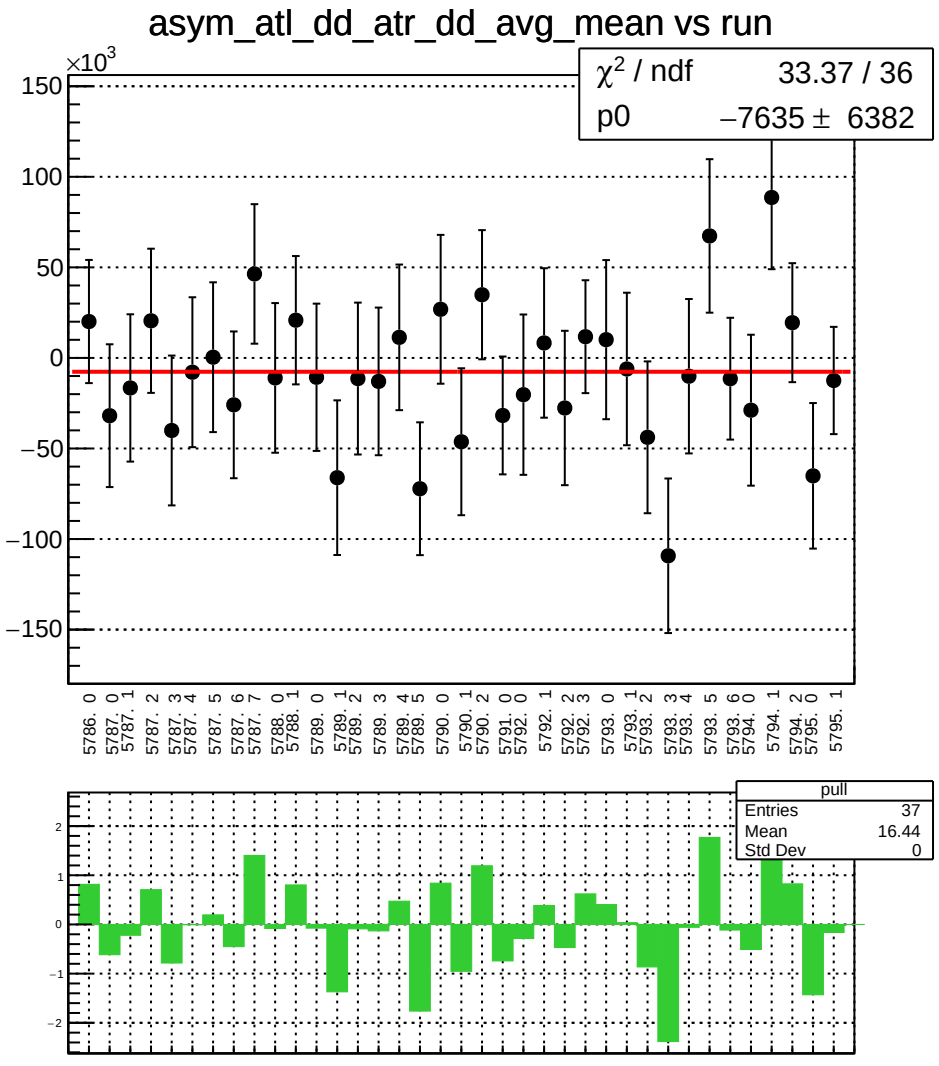

eigen_dit_asym_atl_dd_atr_dd_avg_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −163.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

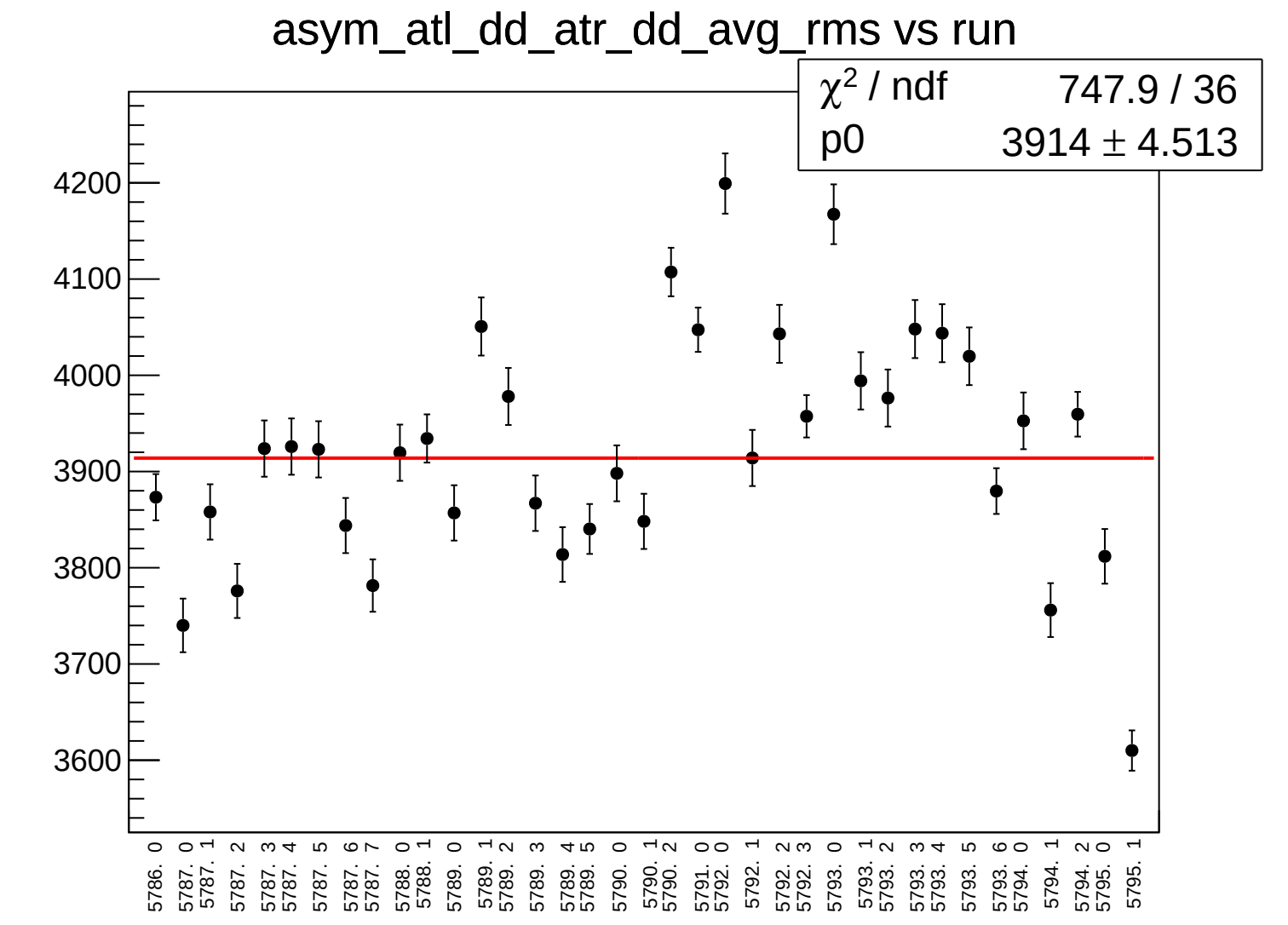

pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

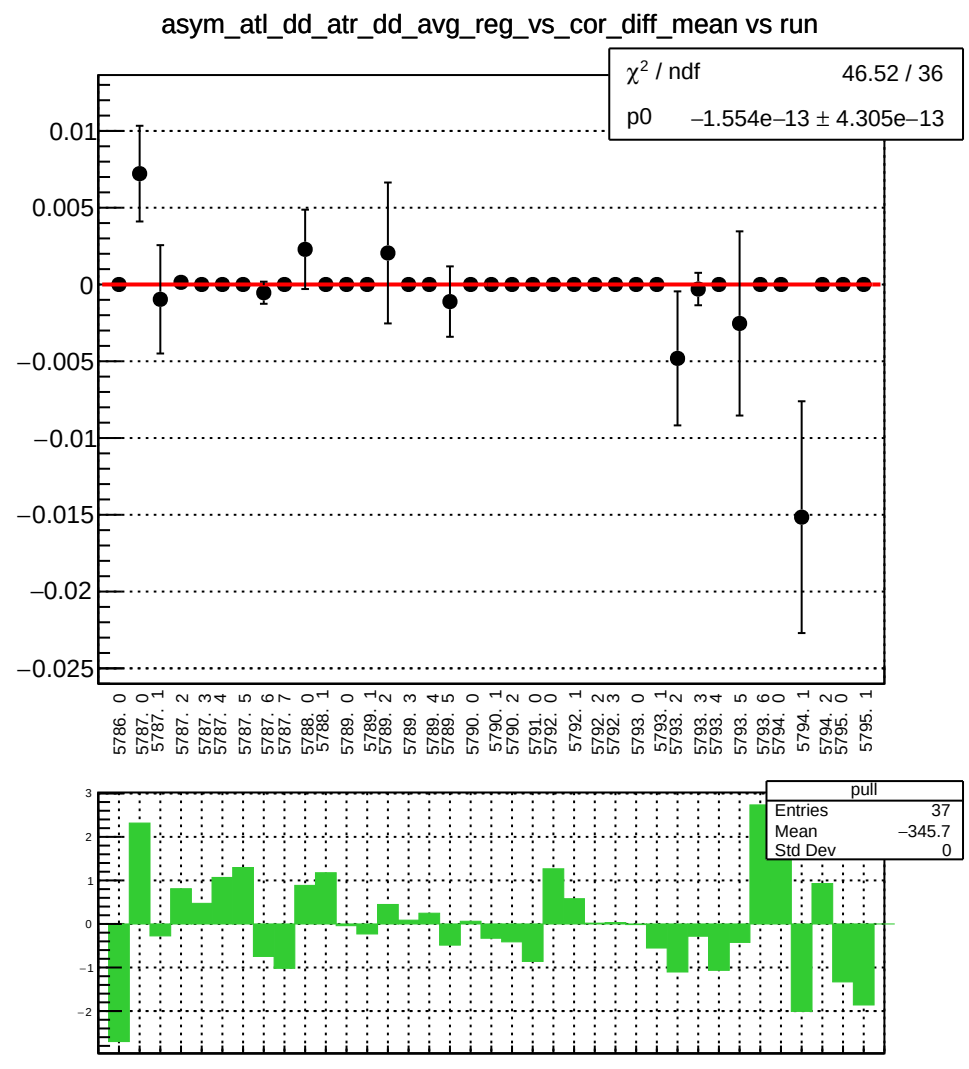

eigen_dit_asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

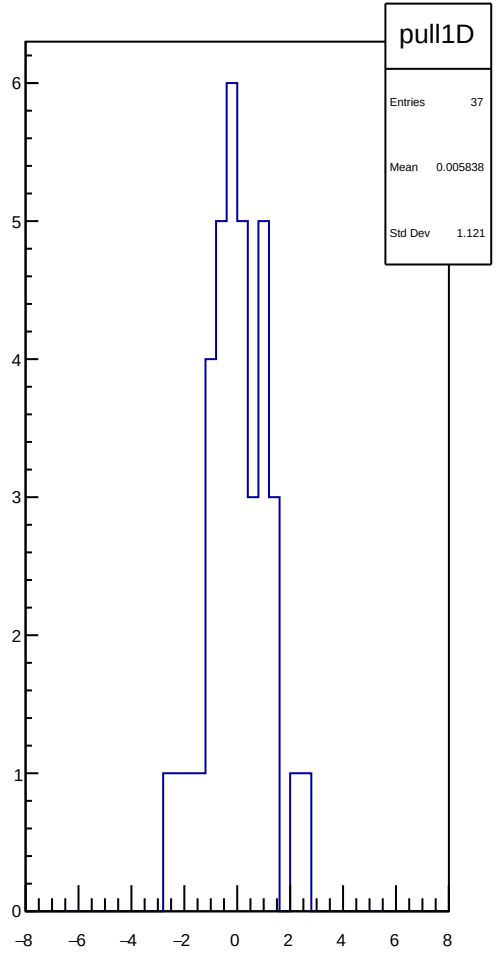

asym_atl_dd_atr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

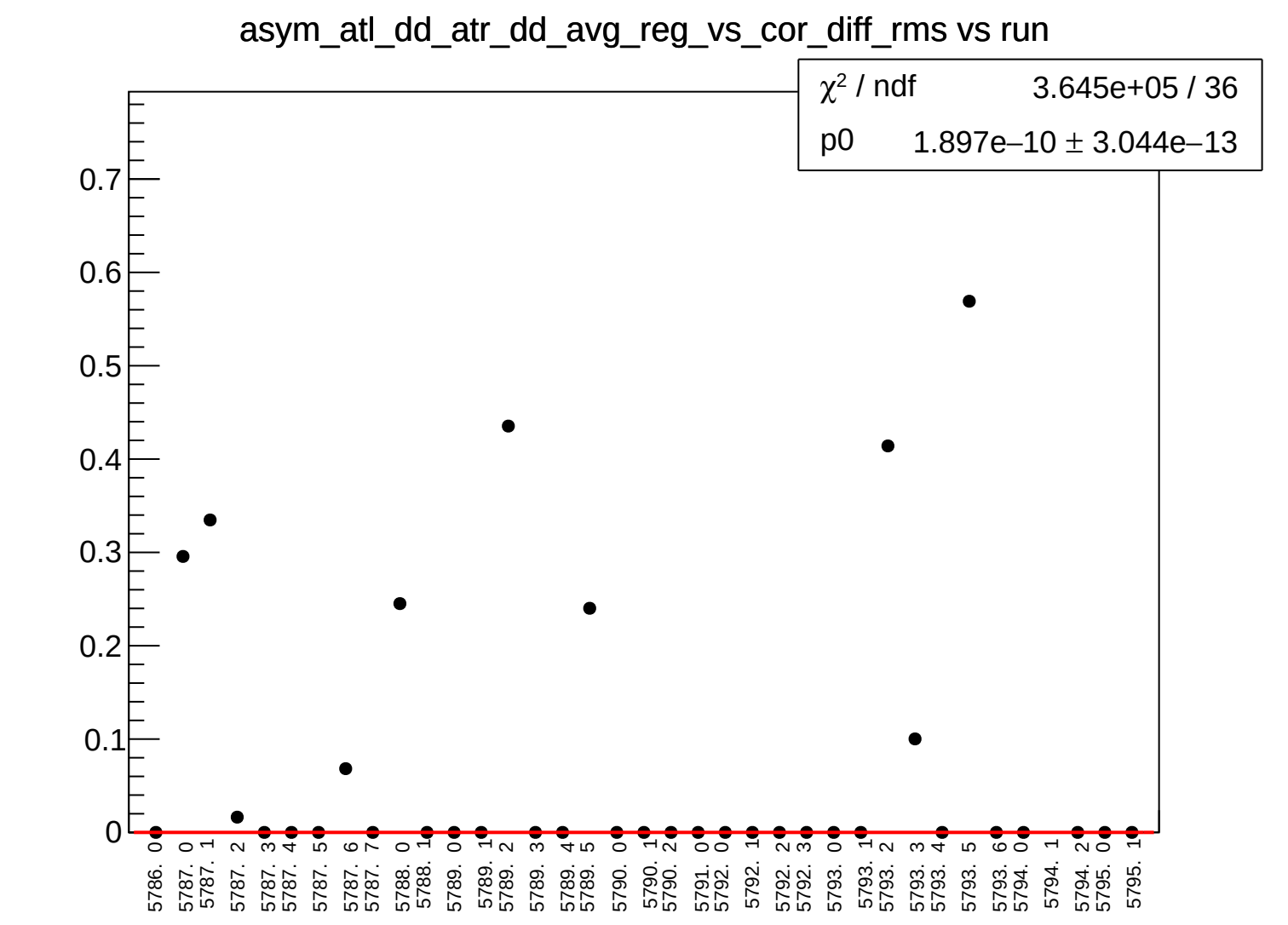

asym_atl_dd_atr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

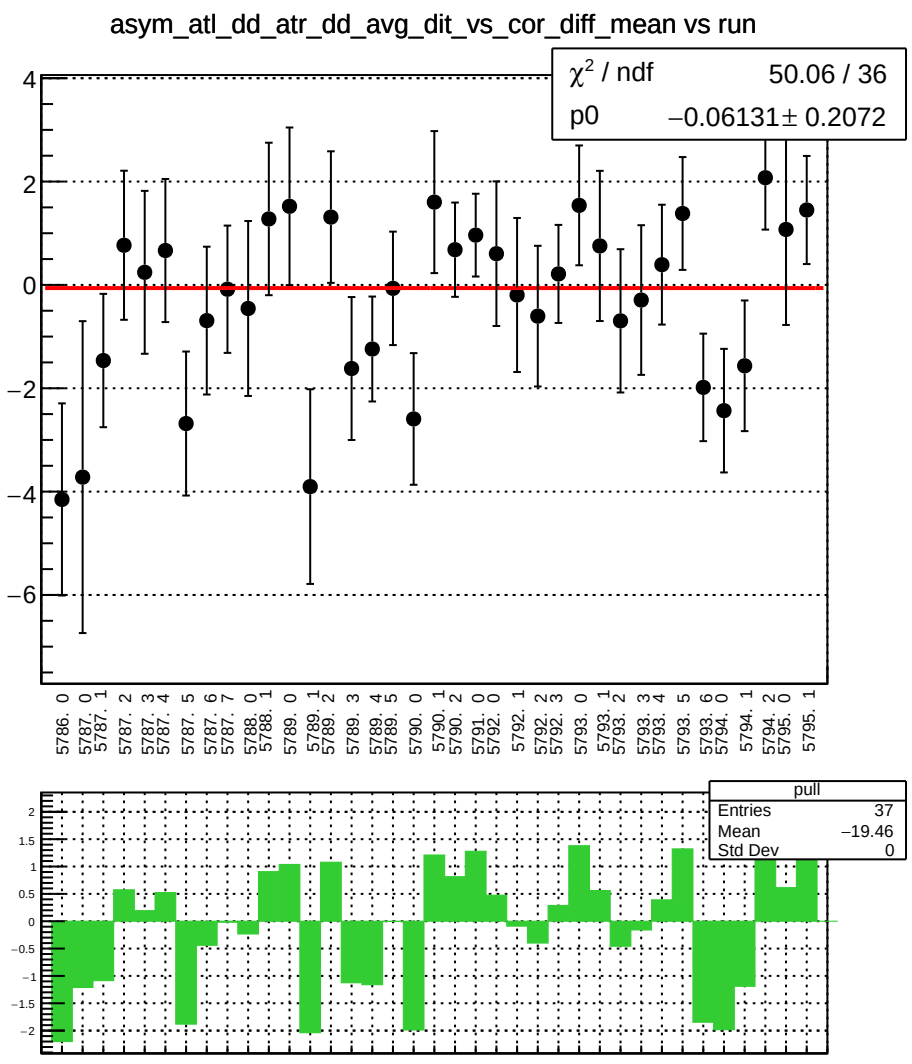

asym_atl_dd_atr_dd_avg_mean vs run
×10^3
χ² / ndf 33.37 / 36
p0 −7635 ± 6382
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01768
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

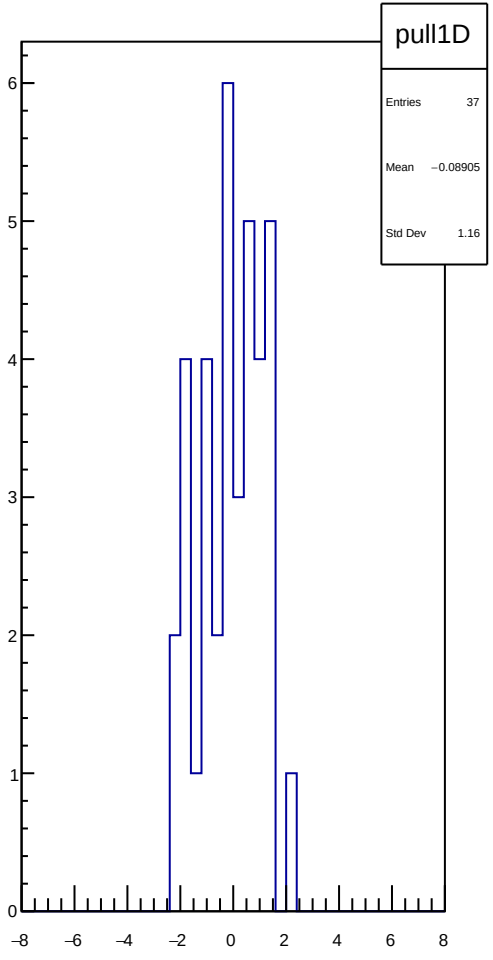

asym_atl_dd_atr_dd_avg_rms vs run
χ² / ndf 747.9 / 36
p0 3914 ± 4.513
4200
4100
4000
3900
3800
3700
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

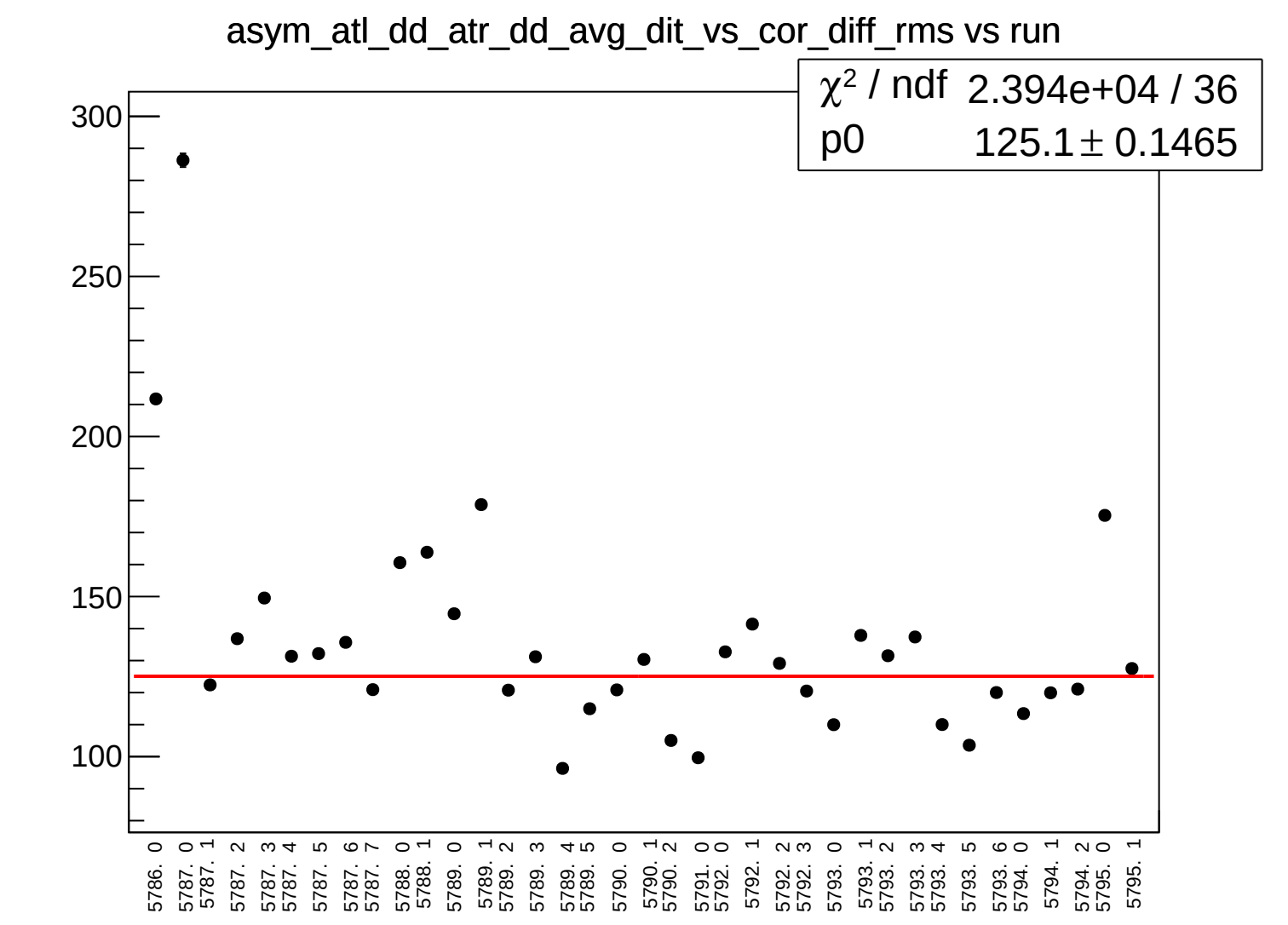

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.52 / 36
p0 −1.554e−13 ± 4.305e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −345.7
Std Dev 0
3
2
1
0
−1
−2

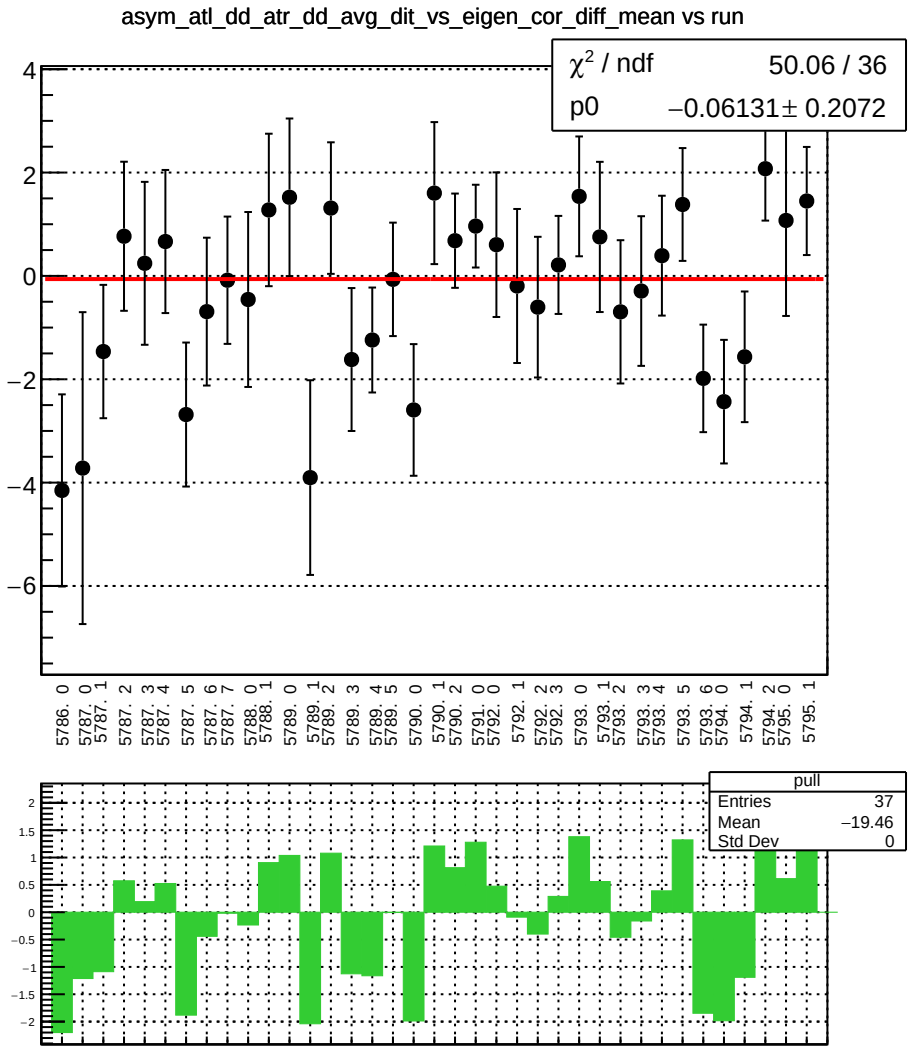

pull1D
Entries 37
Mean 0.005838
Std Dev 1.121
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

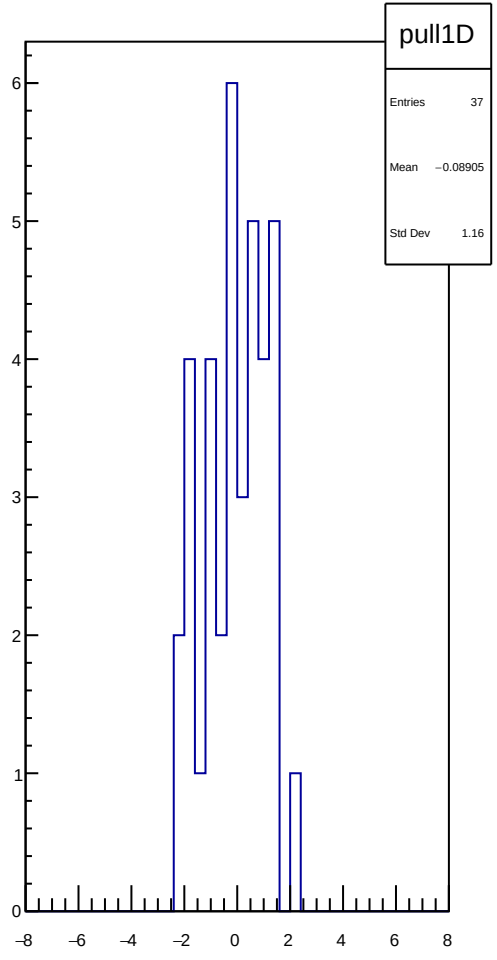

asym_atl_dd_atr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.645e+05 / 36
p0 1.897e−10 ± 3.044e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

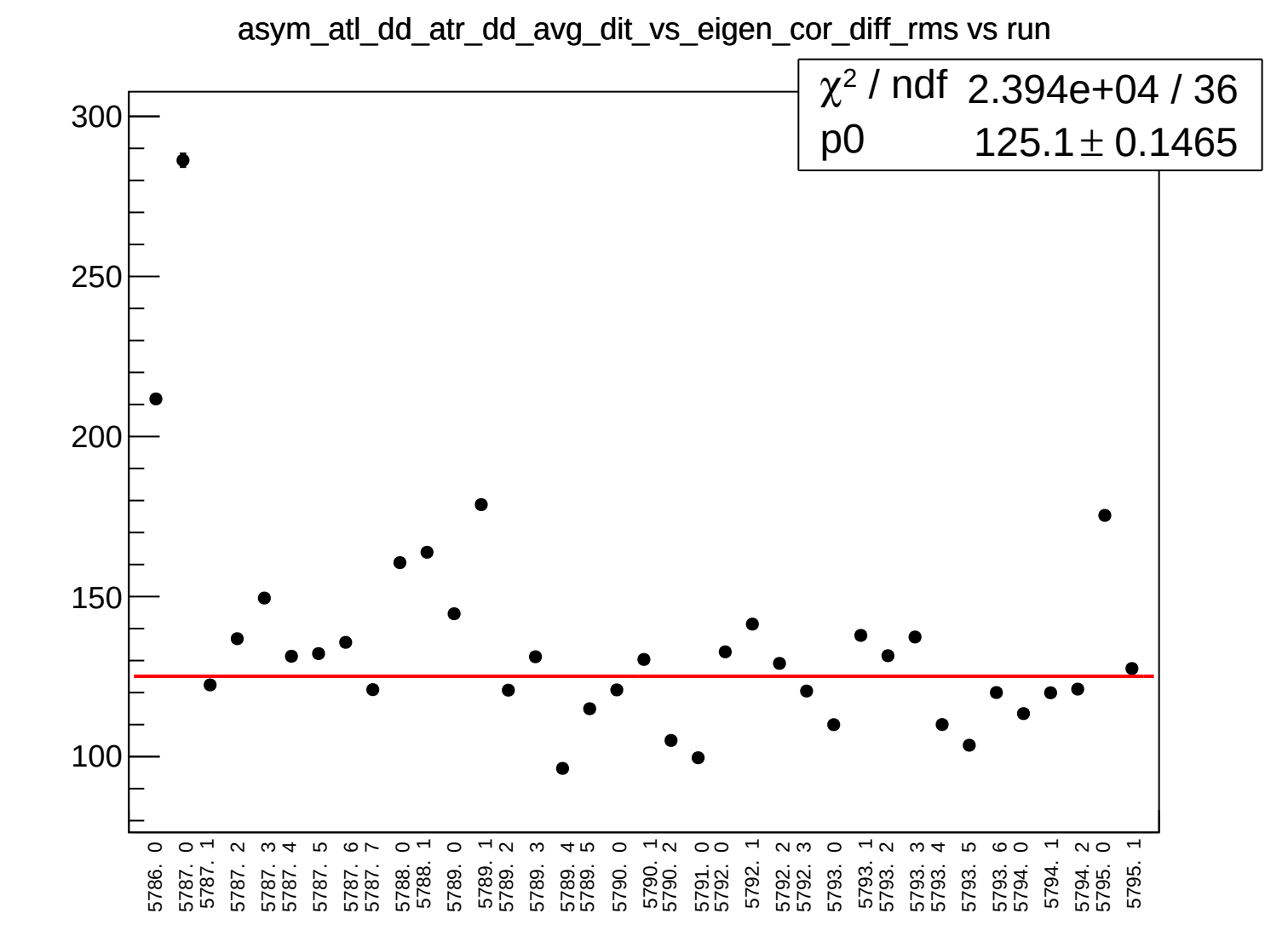

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131± 0.2072
pull
Entries 37
Mean −19.46
Std Dev 0

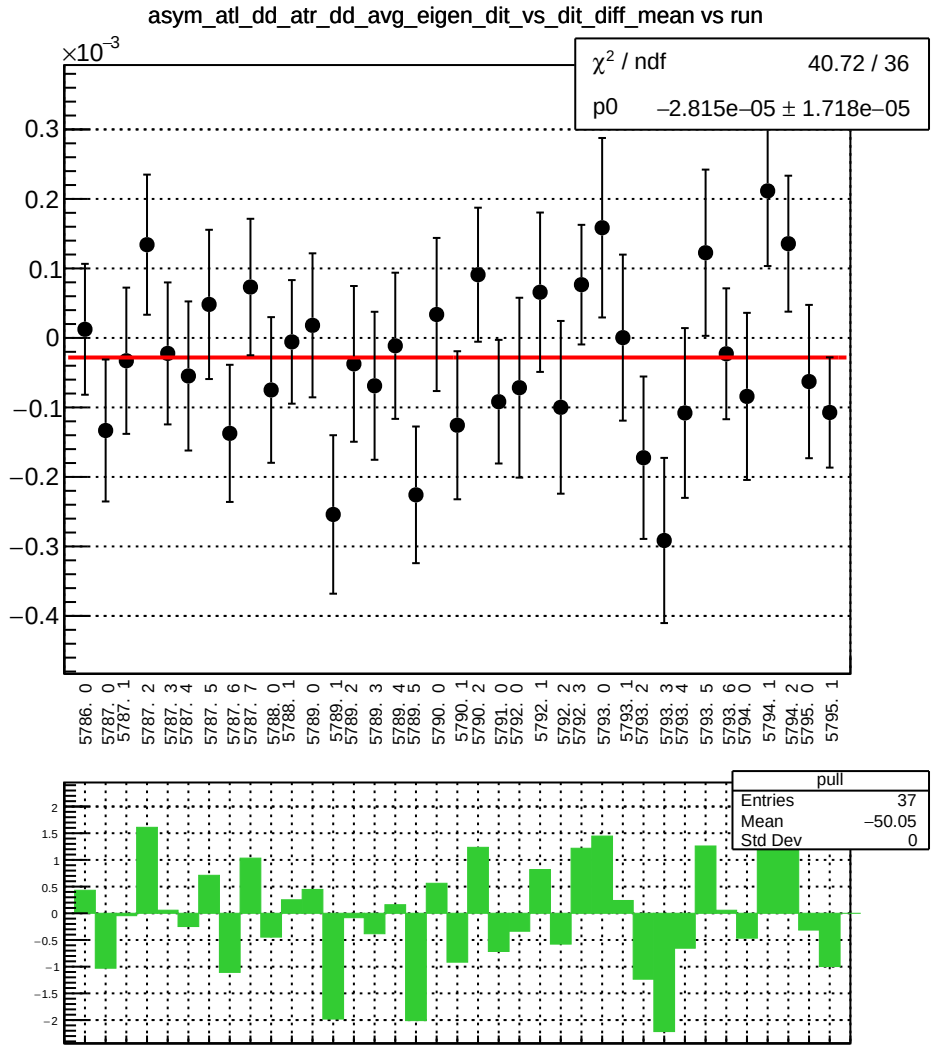

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

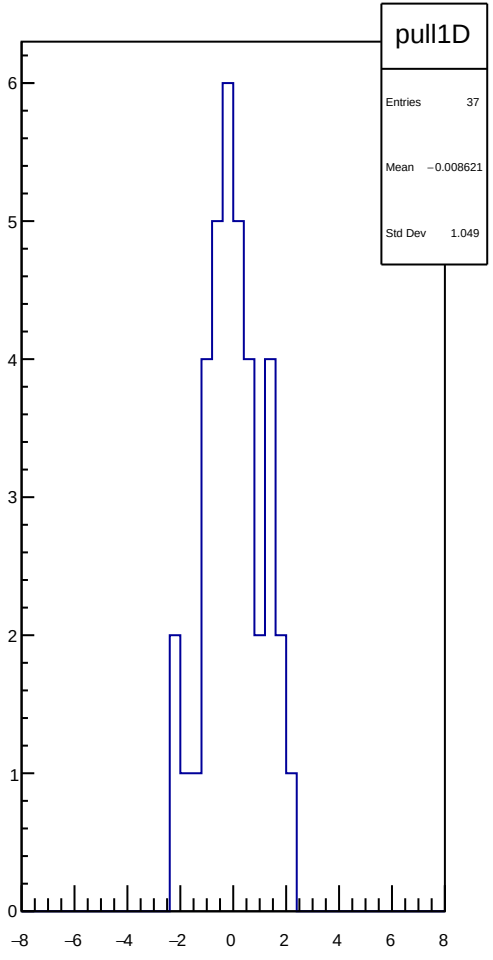

asym_atl_dd_atr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

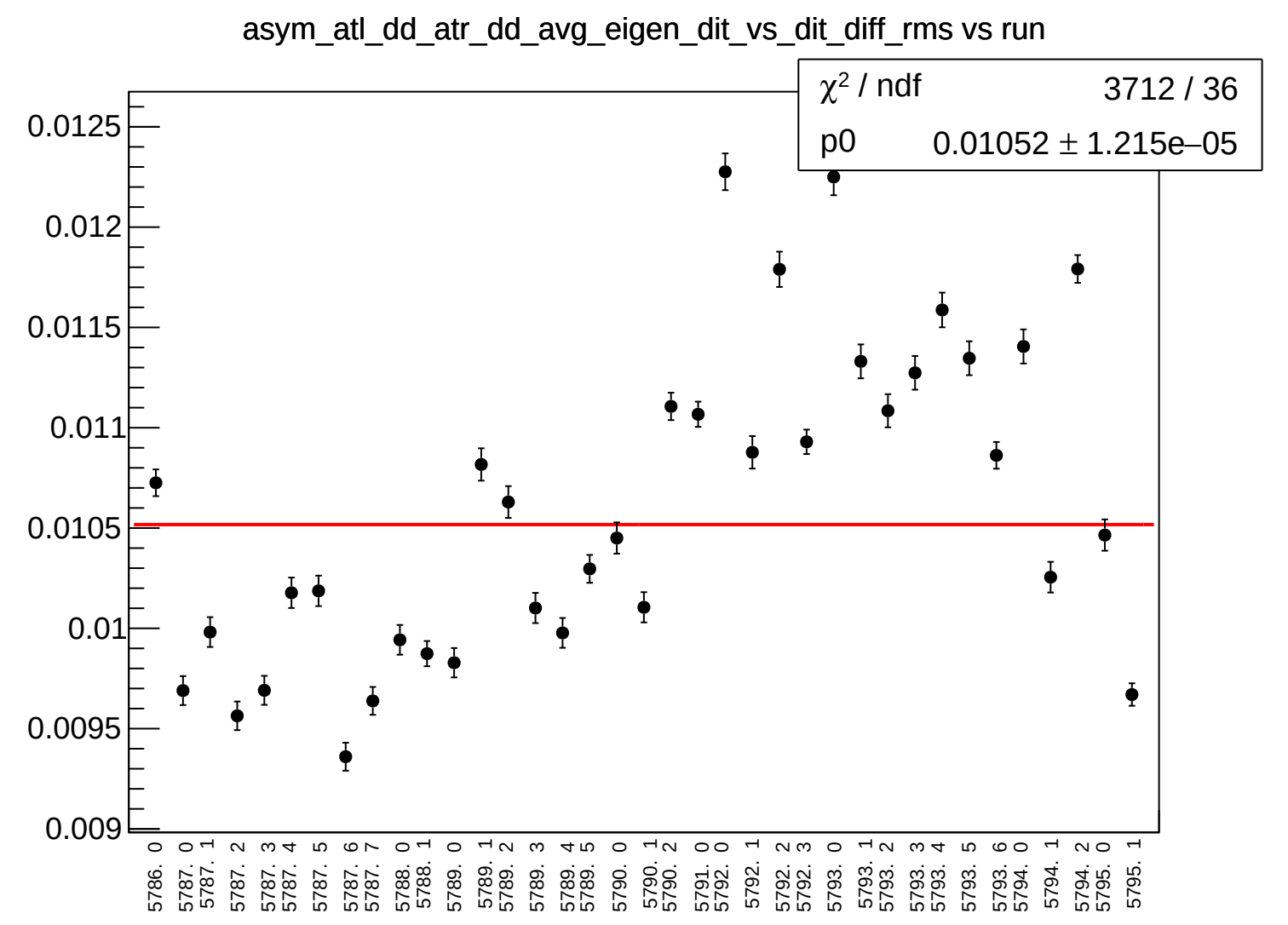

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131± 0.2072
pull
Entries 37
Mean −19.46
Std Dev 0

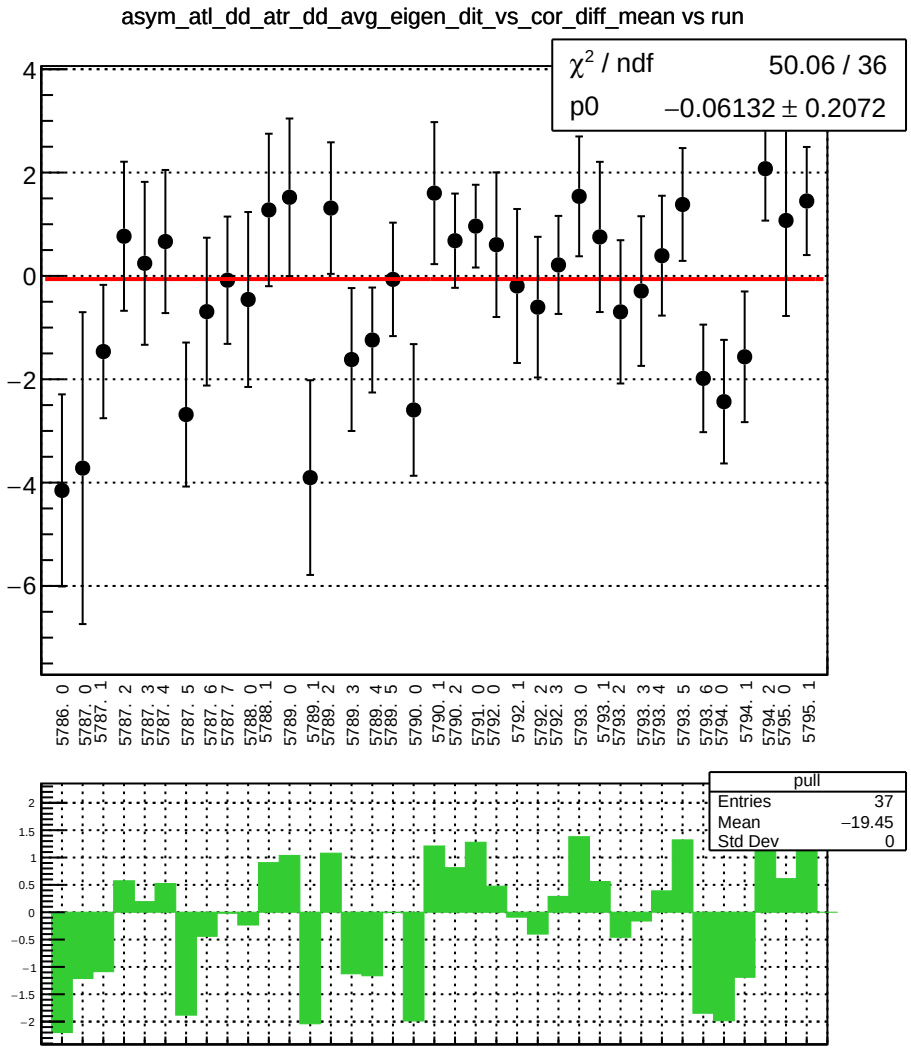

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

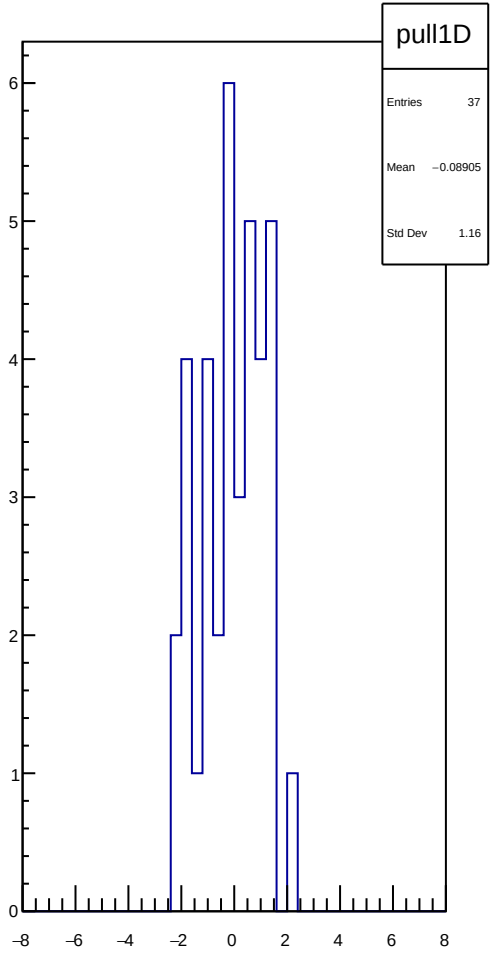

asym_atl_dd_atr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

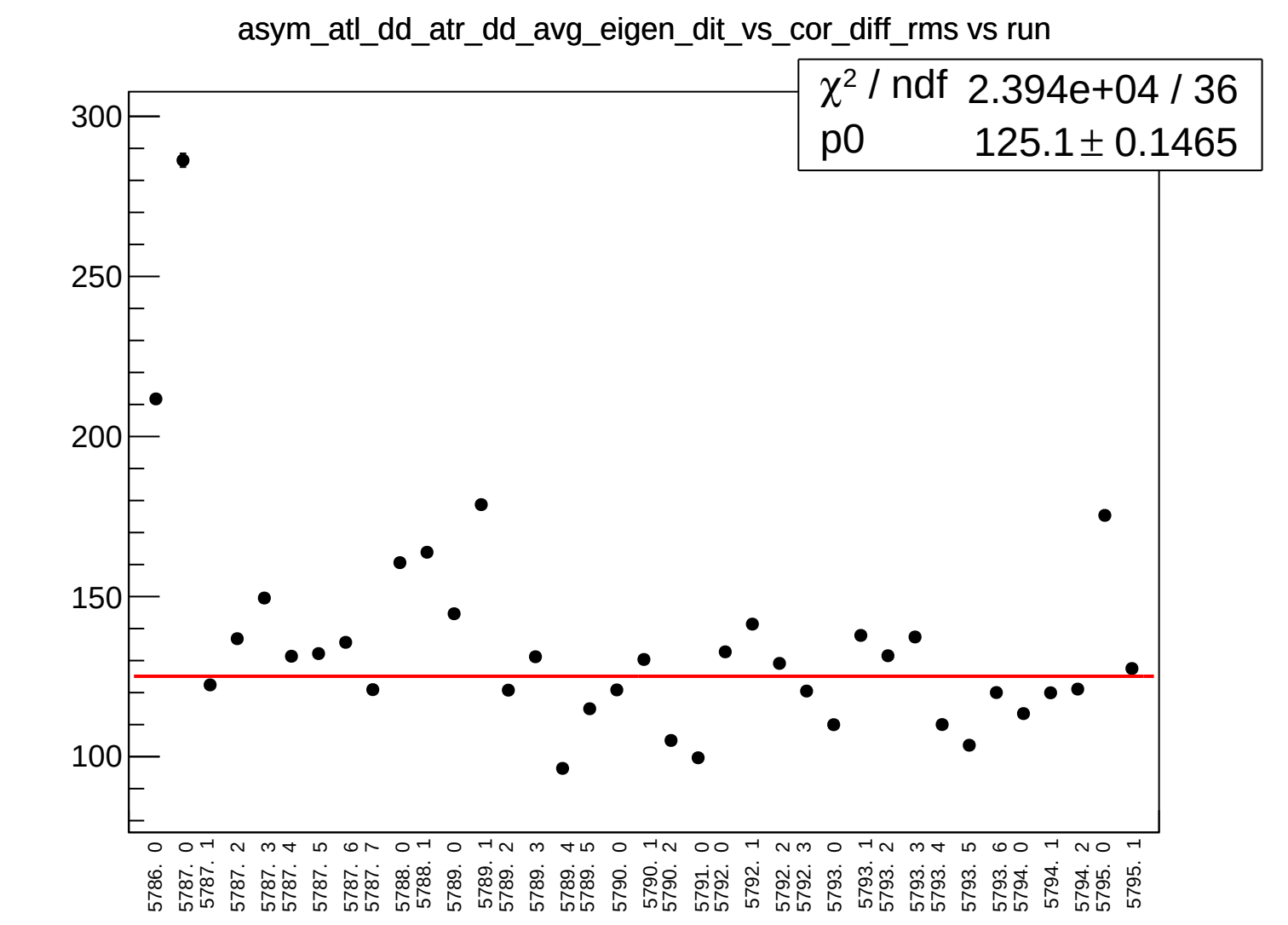

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.72 / 36
p0 −2.815e−05 ± 1.718e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

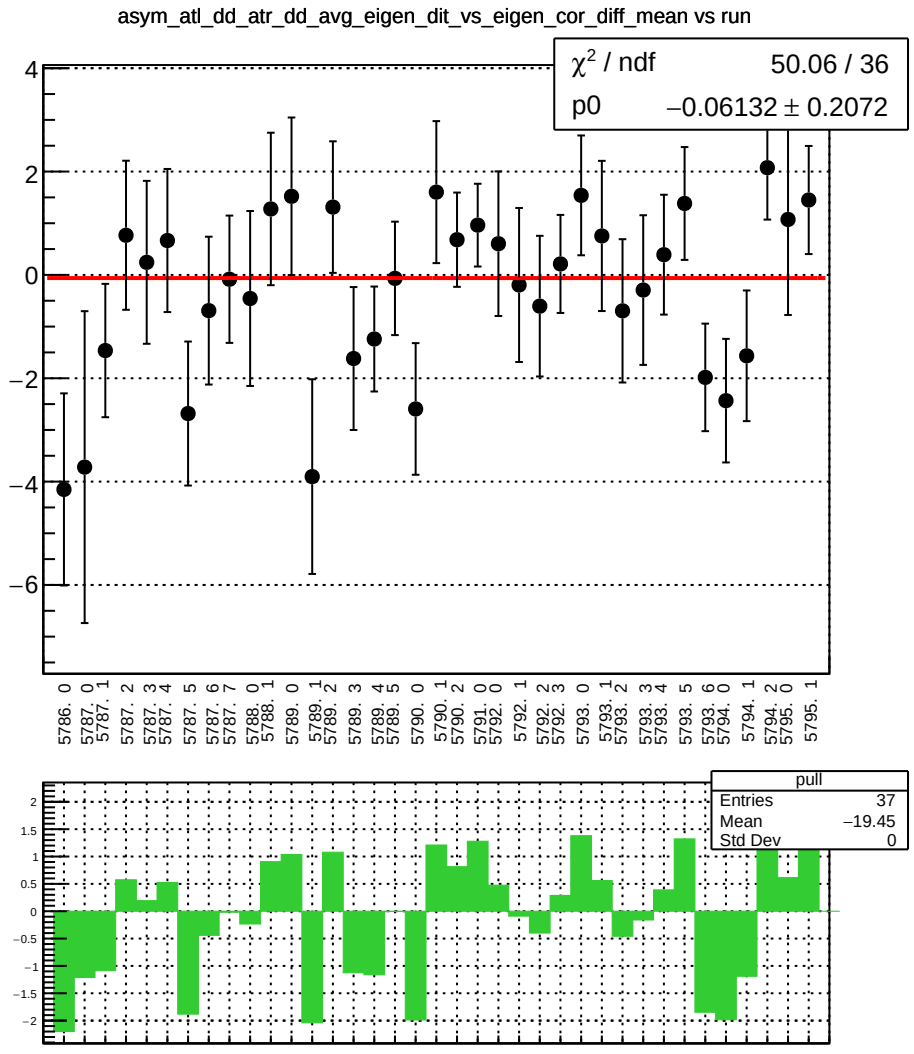

pull1D
Entries 37
Mean −0.008621
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

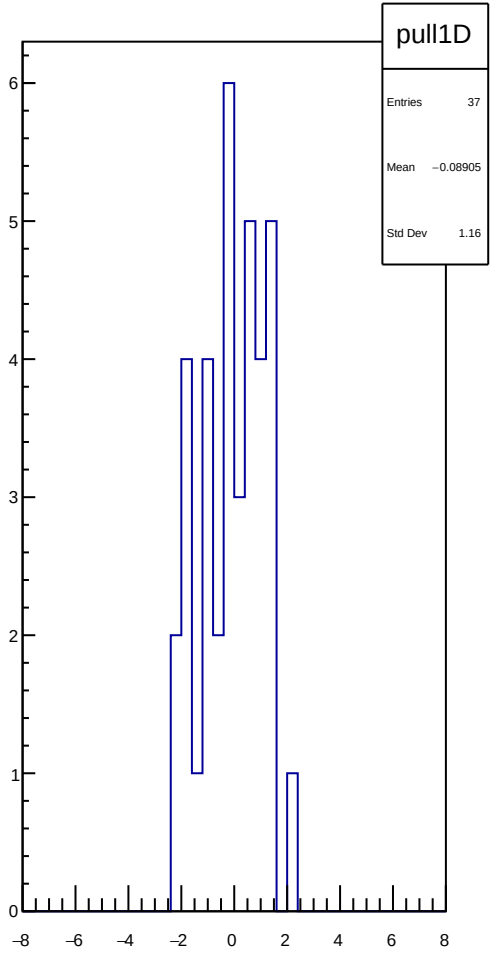

asym_atl_dd_atr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3712 / 36
p0 0.01052 ± 1.215e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

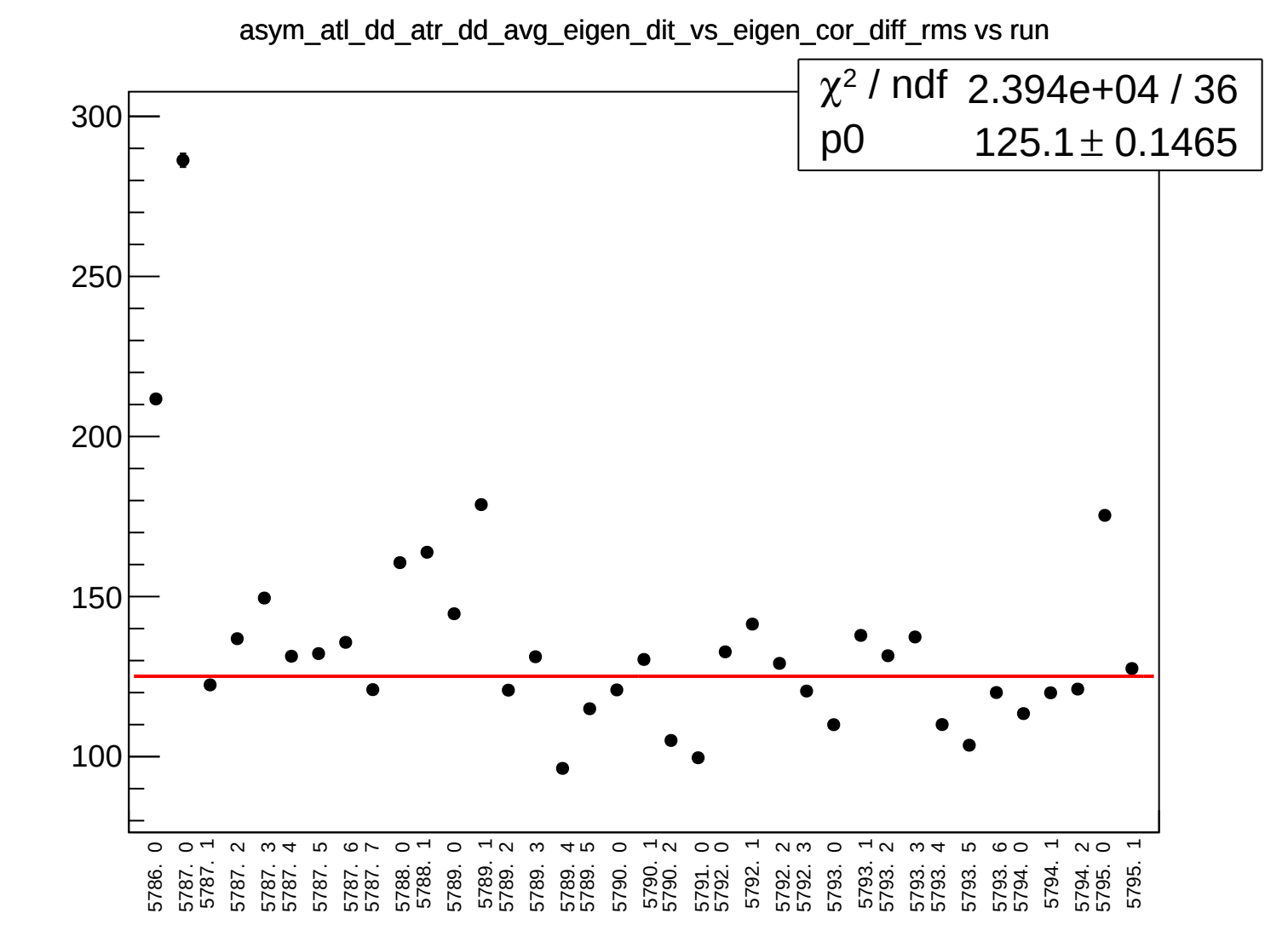

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
pull
Entries 37
Mean −19.45
Std Dev 0

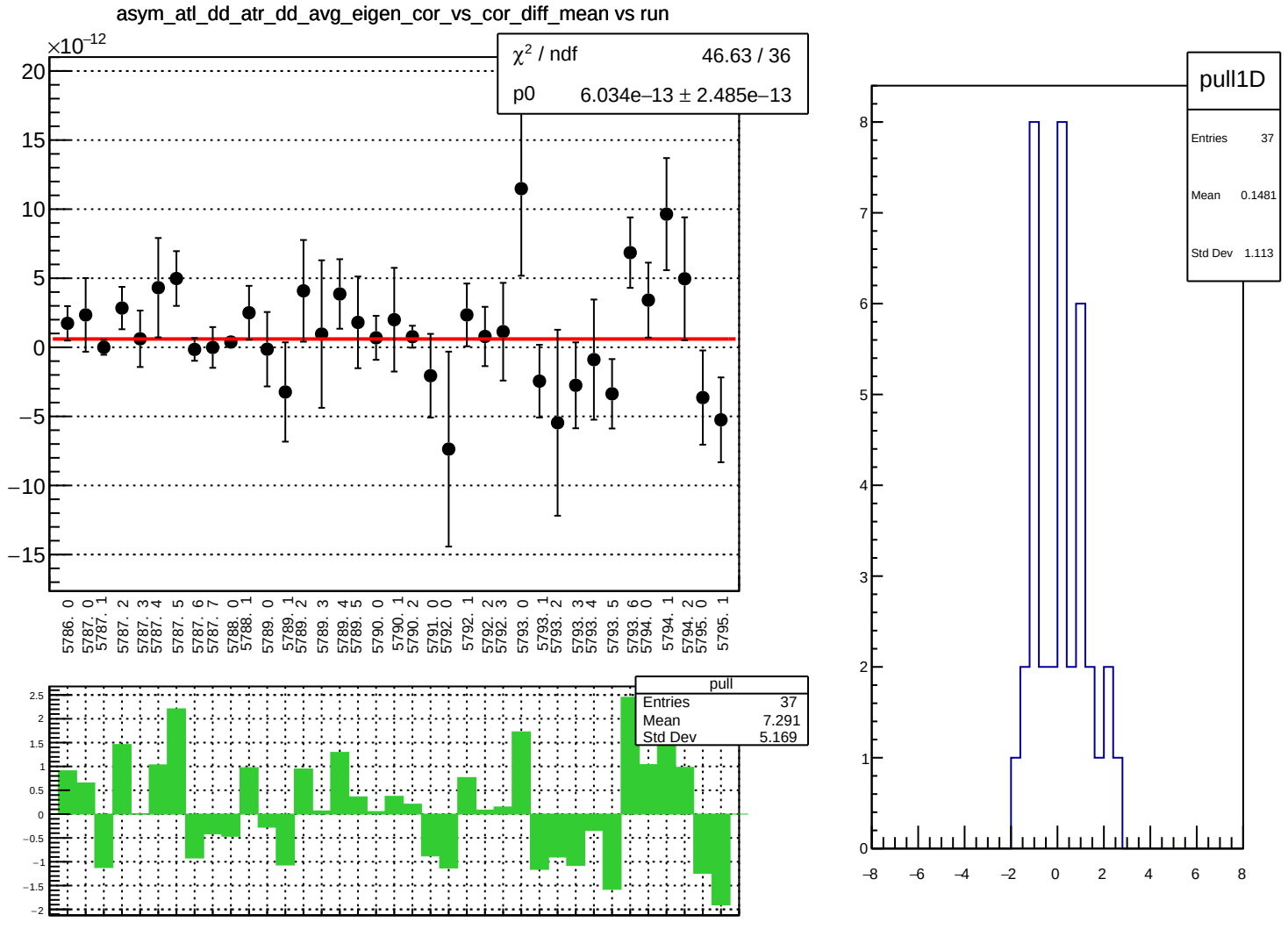

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

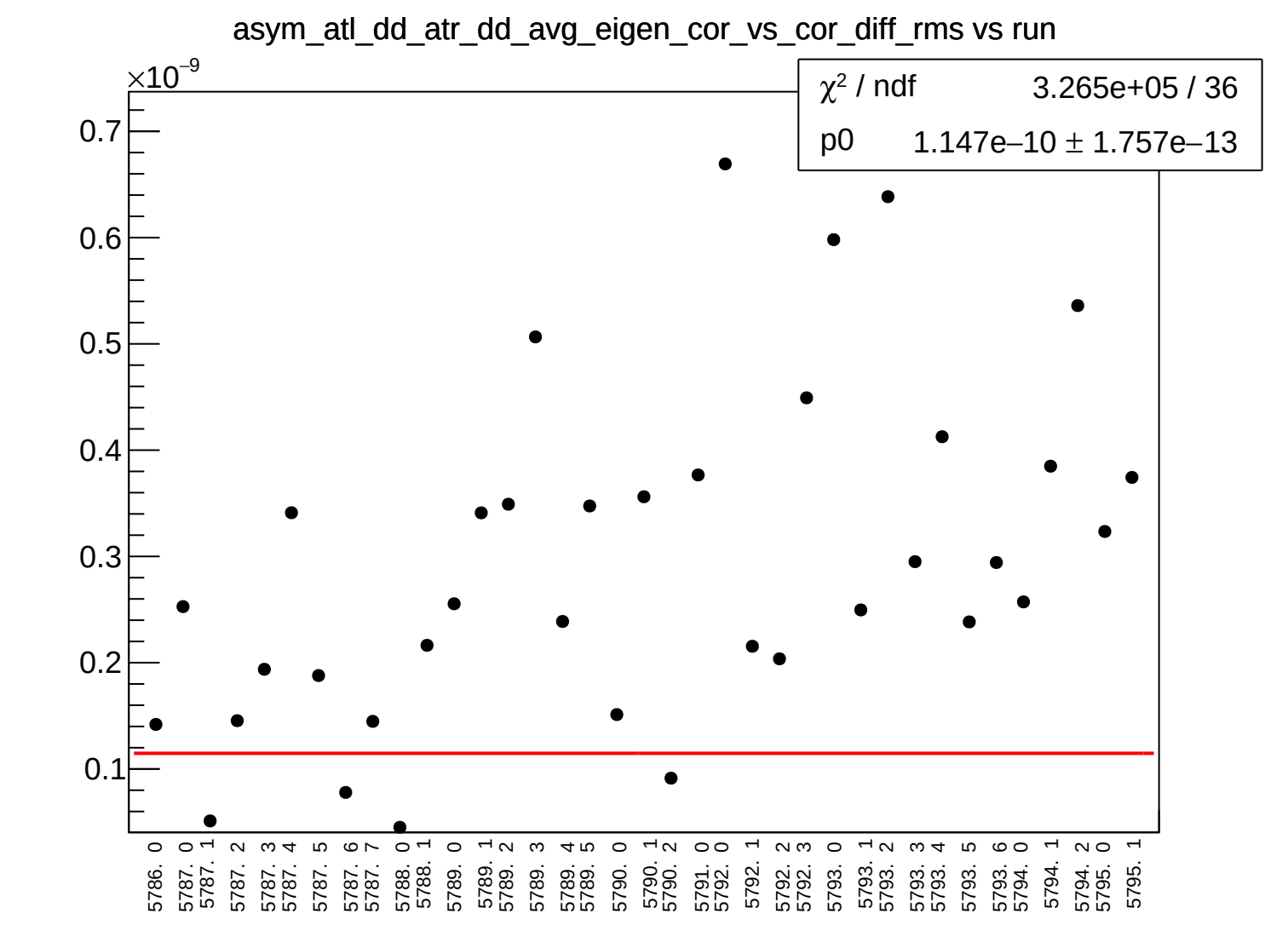

asym_atl_dd_atr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

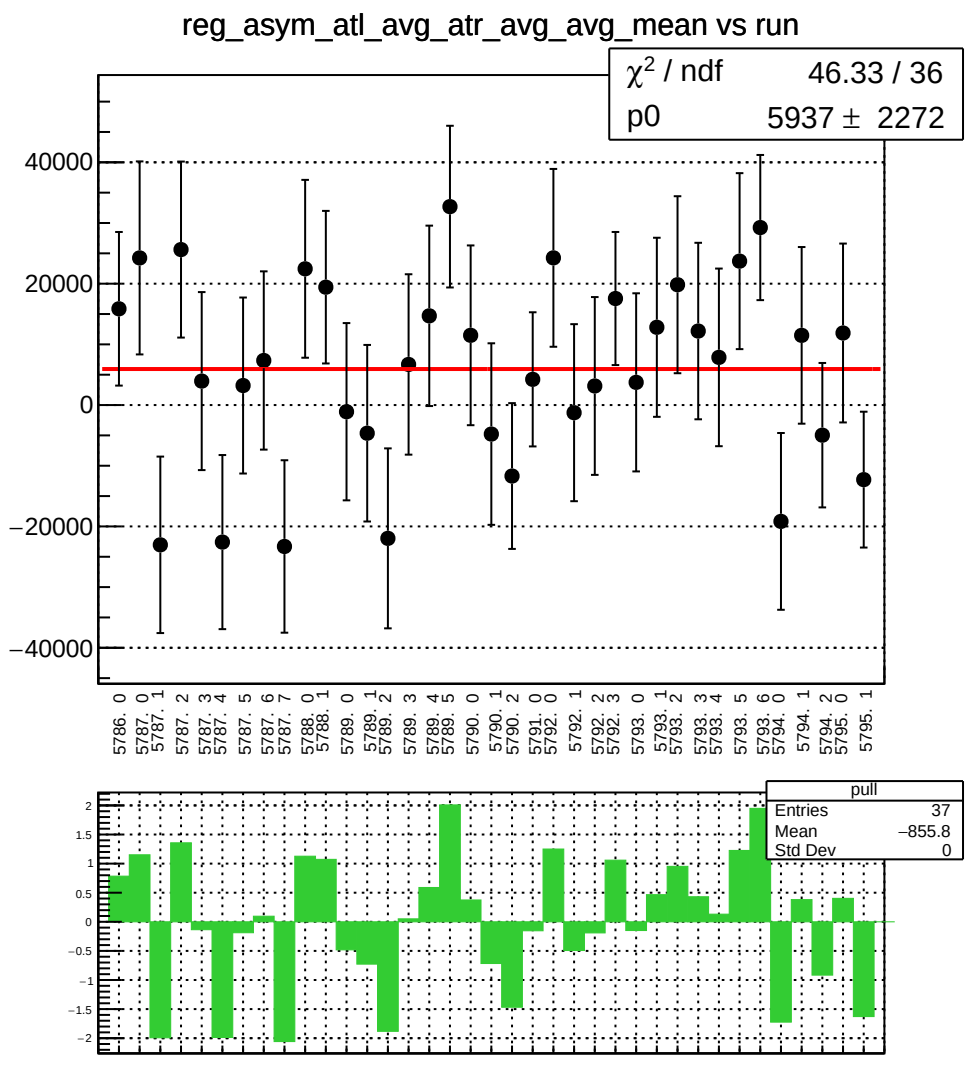

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
pull
Entries 37
Mean −19.45
Std Dev 0

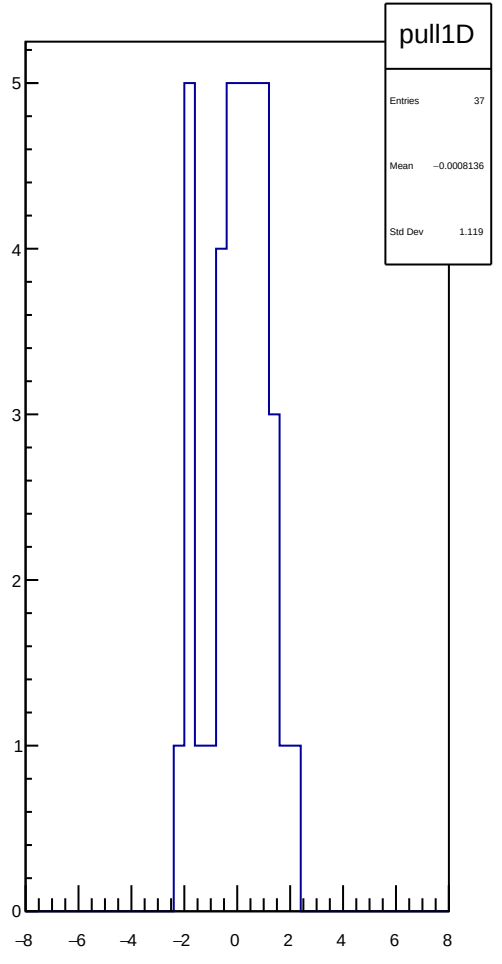

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

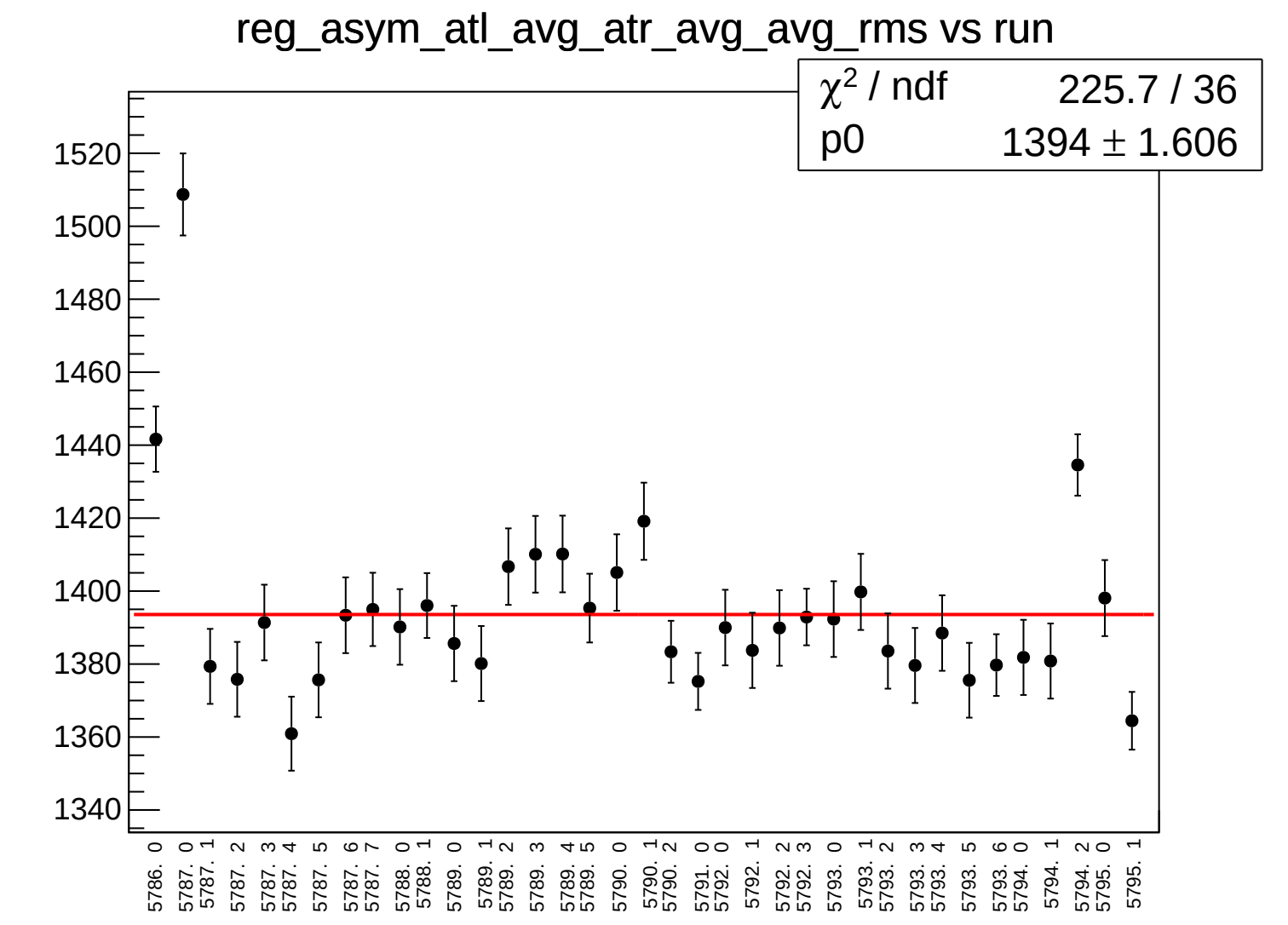

asym_atl_dd_atr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

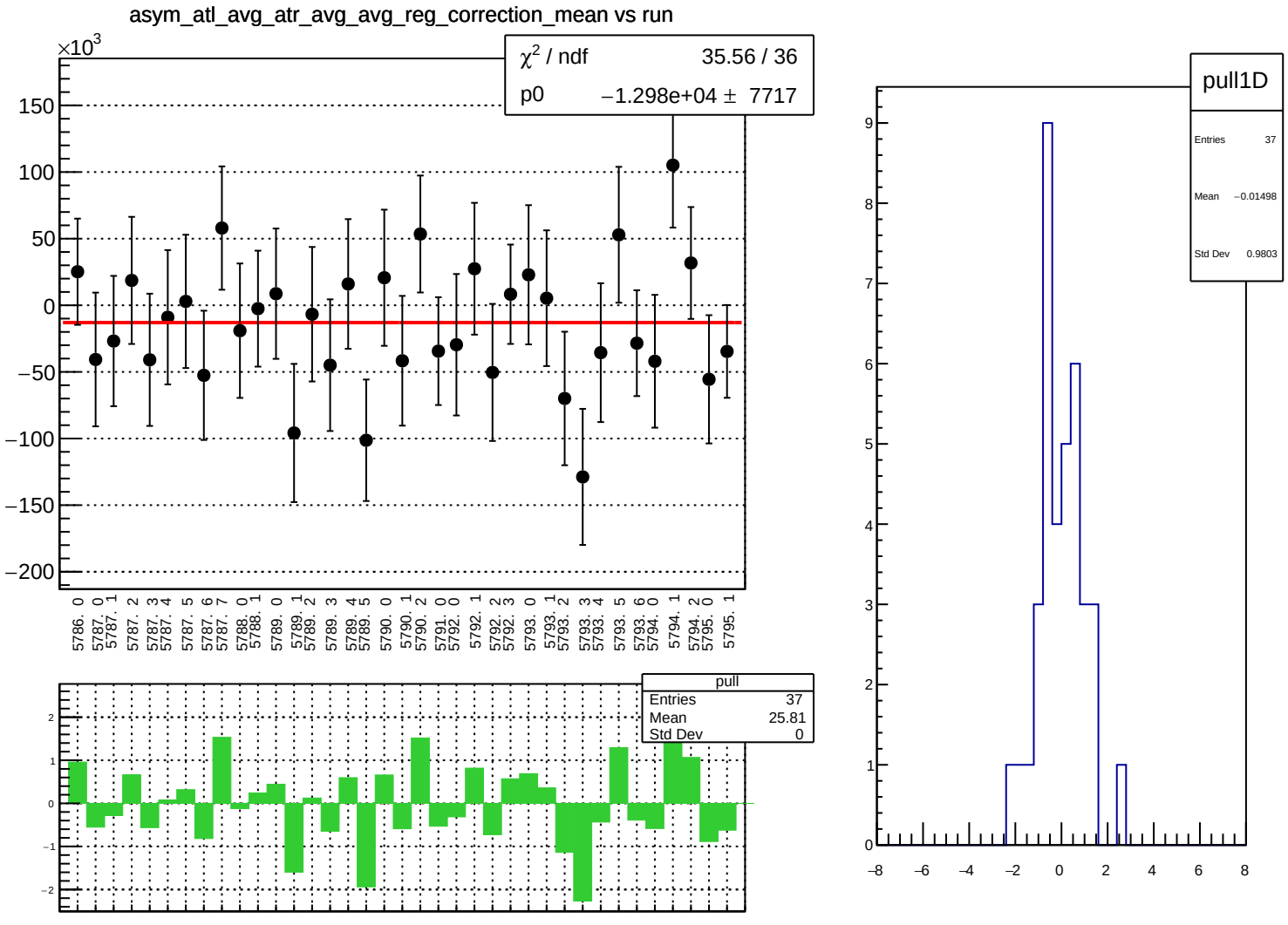

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.63 / 36
p0 6.034e−13 ± 2.485e−13
pull
Entries 37
Mean 7.291
Std Dev 5.169
pull1D
Entries 37
Mean 0.1481
Std Dev 1.113

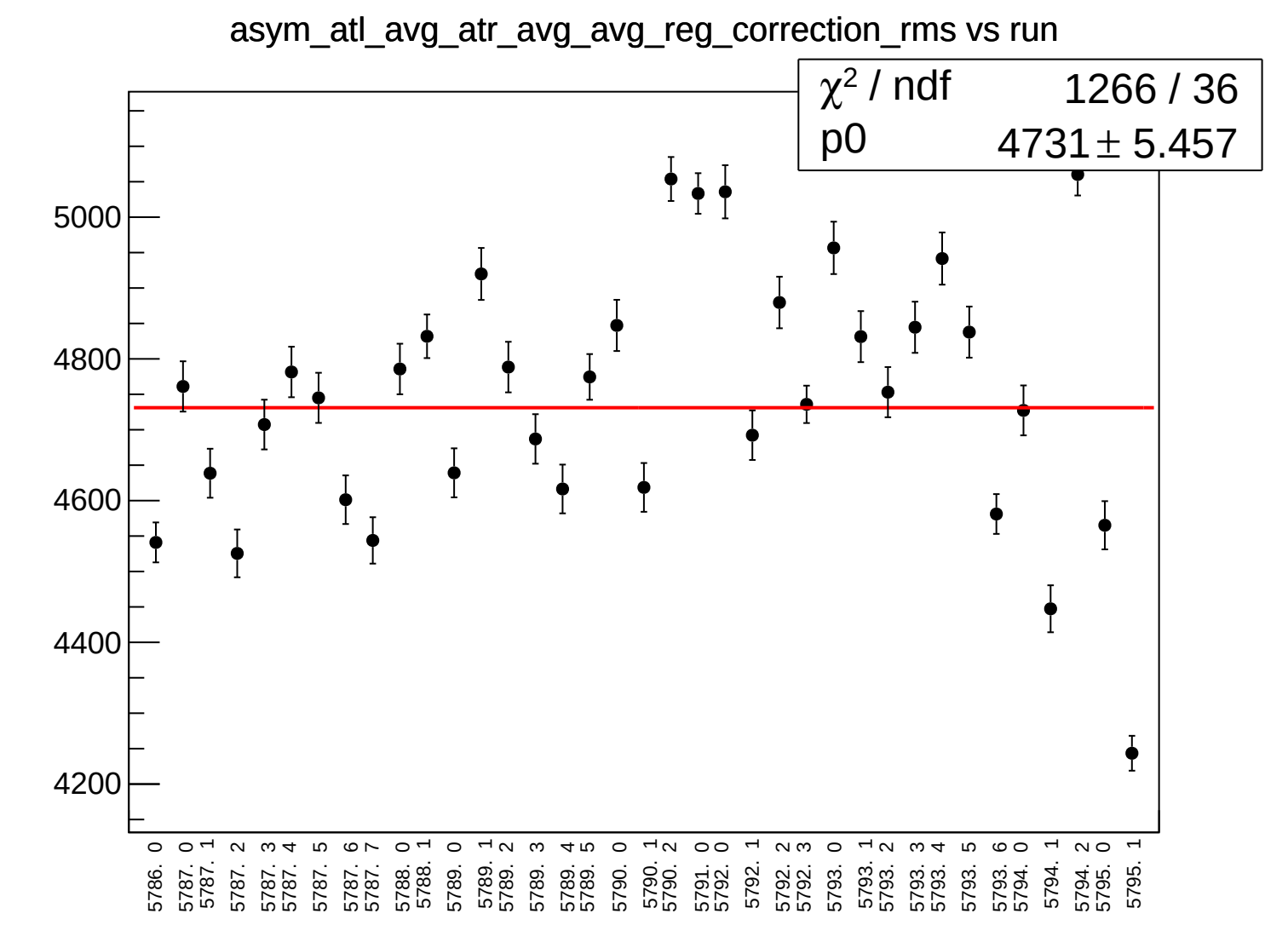

asym_atl_dd_atr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.265e+05 / 36
p0 1.147e−10 ± 1.757e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

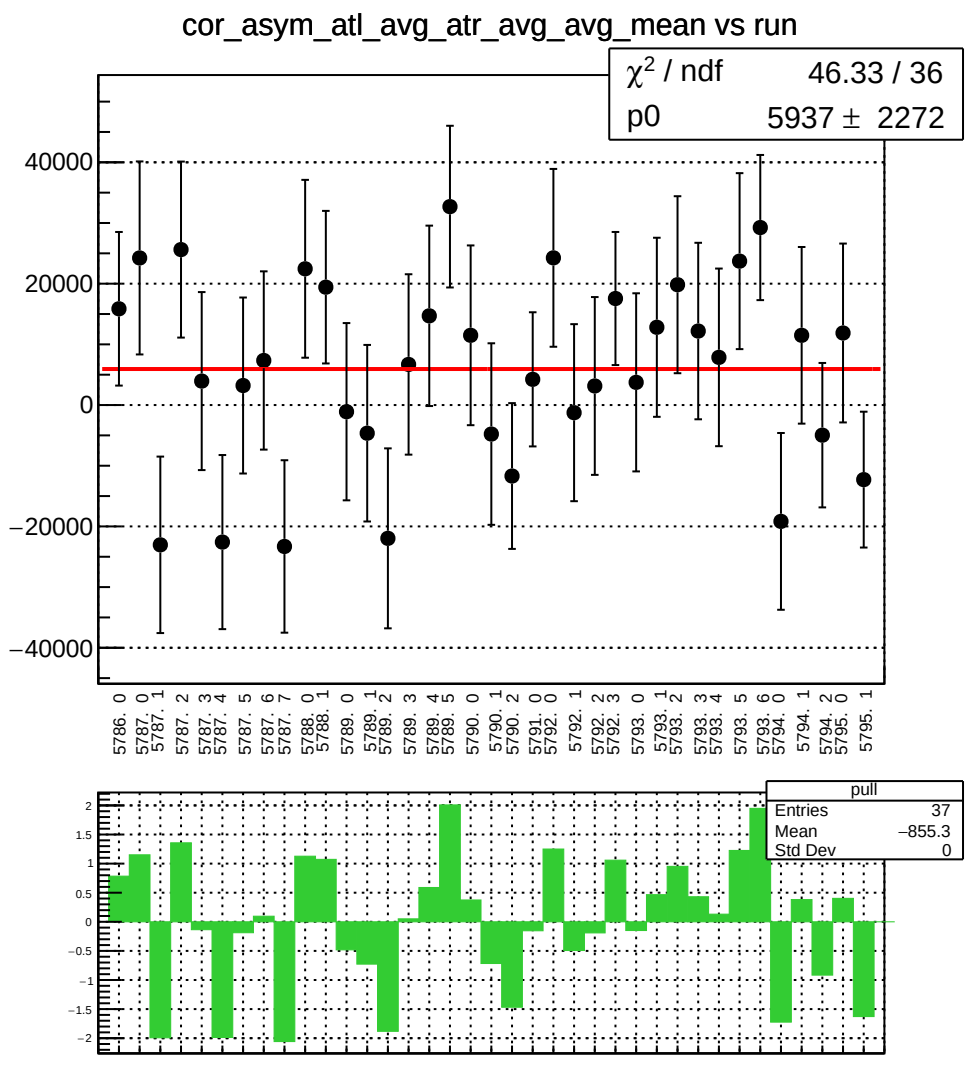

reg_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.33 / 36
p0 5937 ± 2272
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −855.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

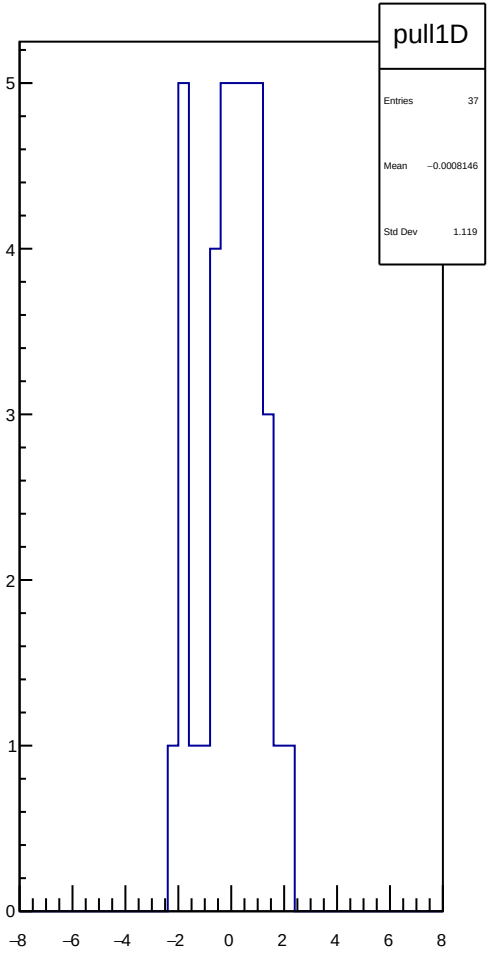

pull1D
Entries 37
Mean −0.0008136
Std Dev 1.119
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

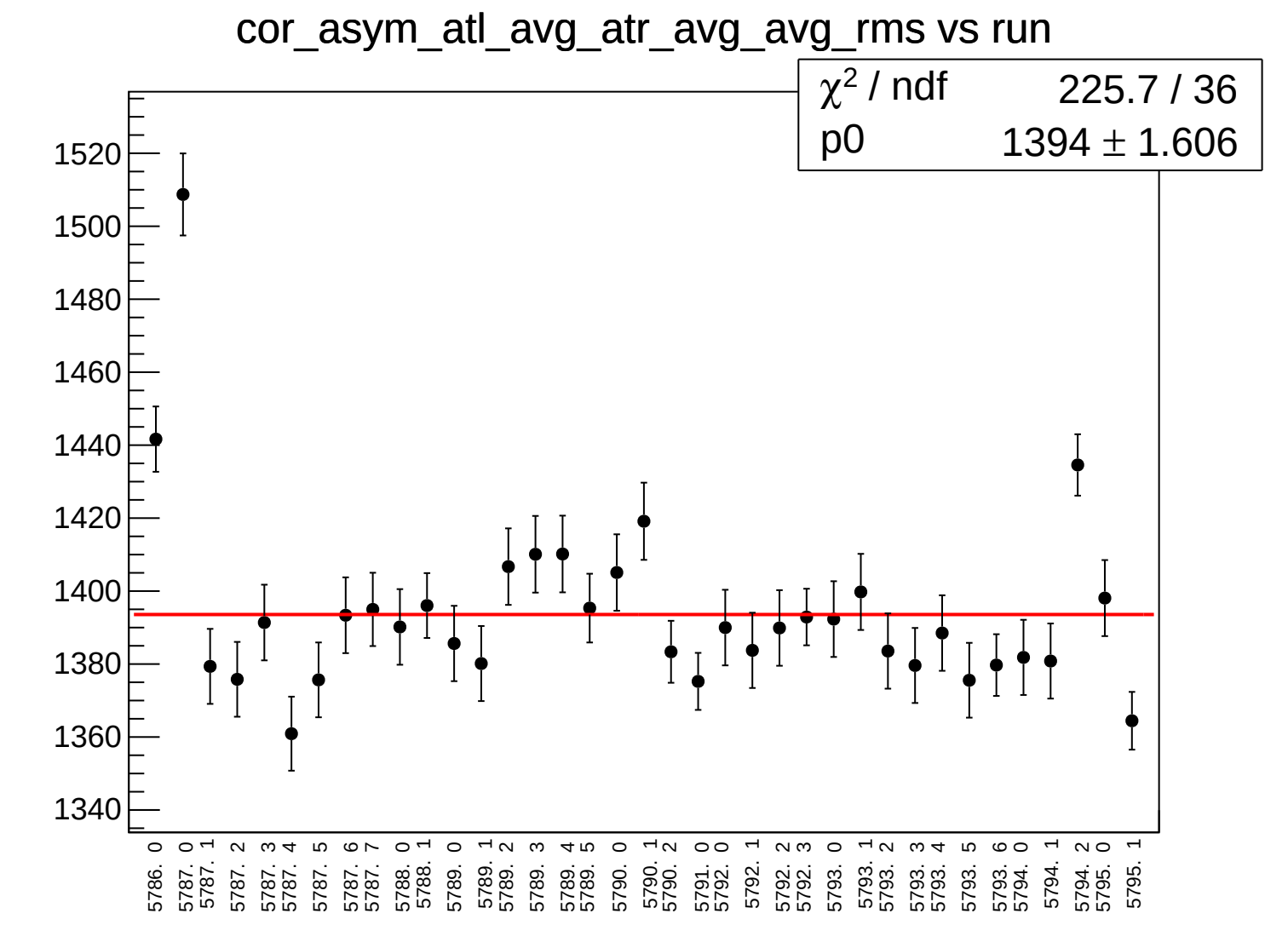

reg_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 225.7 / 36
p0 1394 ± 1.606
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

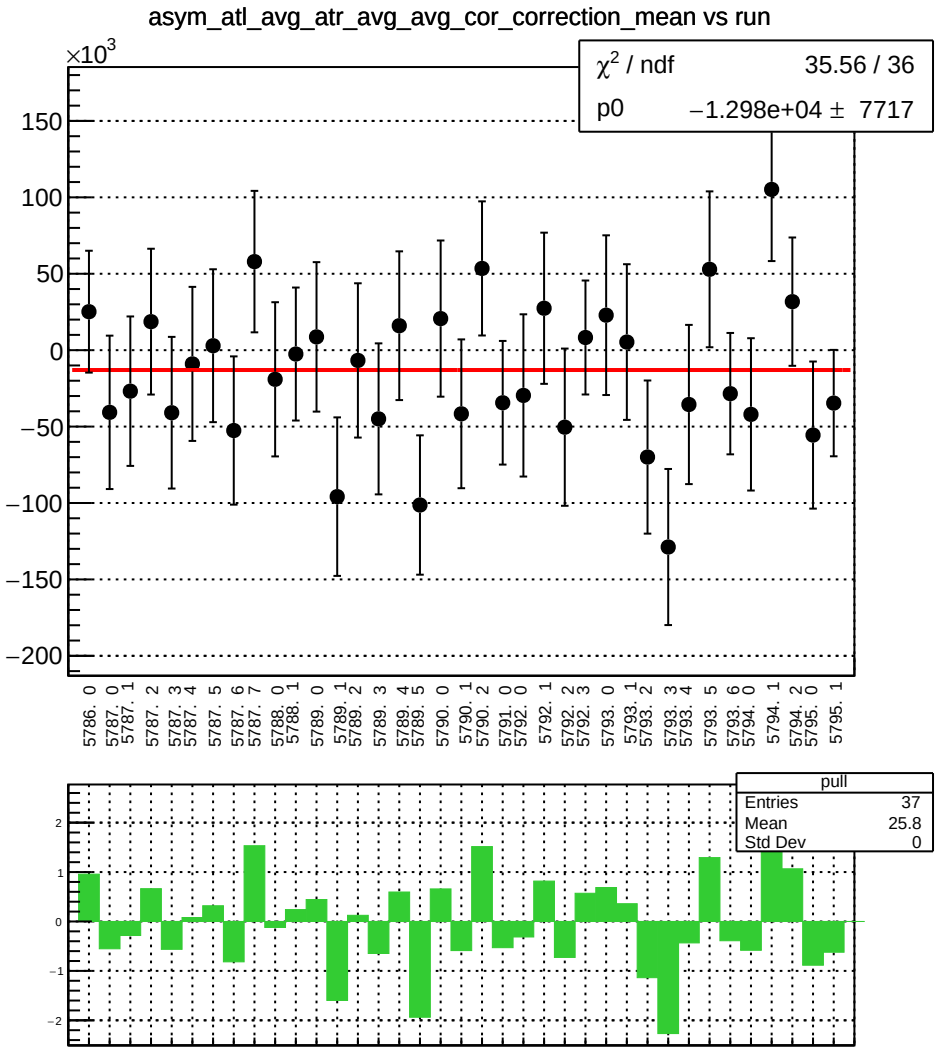

asym_atl_avg_atr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.56 / 36
p0 −1.298e+04 ± 7717
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.81
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01498
Std Dev 0.9803
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

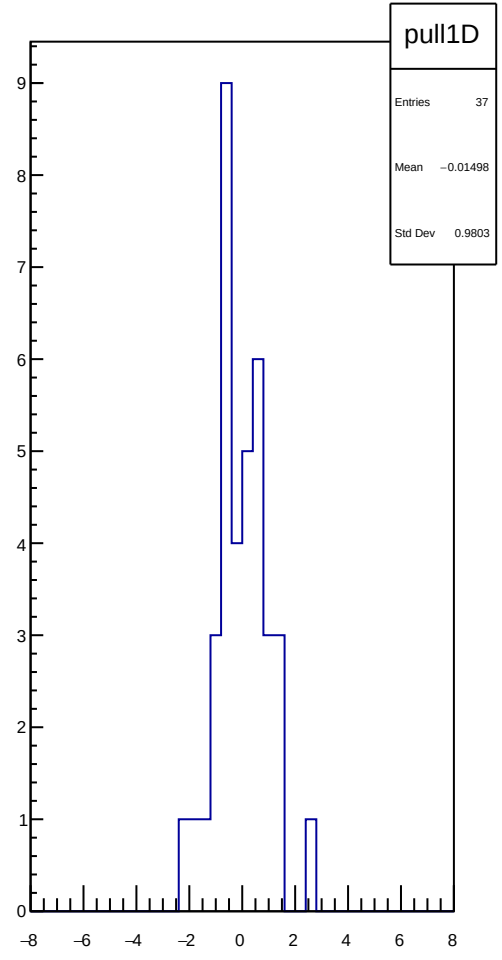

asym_atl_avg_atr_avg_avg_reg_correction_rms vs run
χ² / ndf 1266 / 36
p0 4731 ± 5.457
5000
4800
4600
4400
4200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

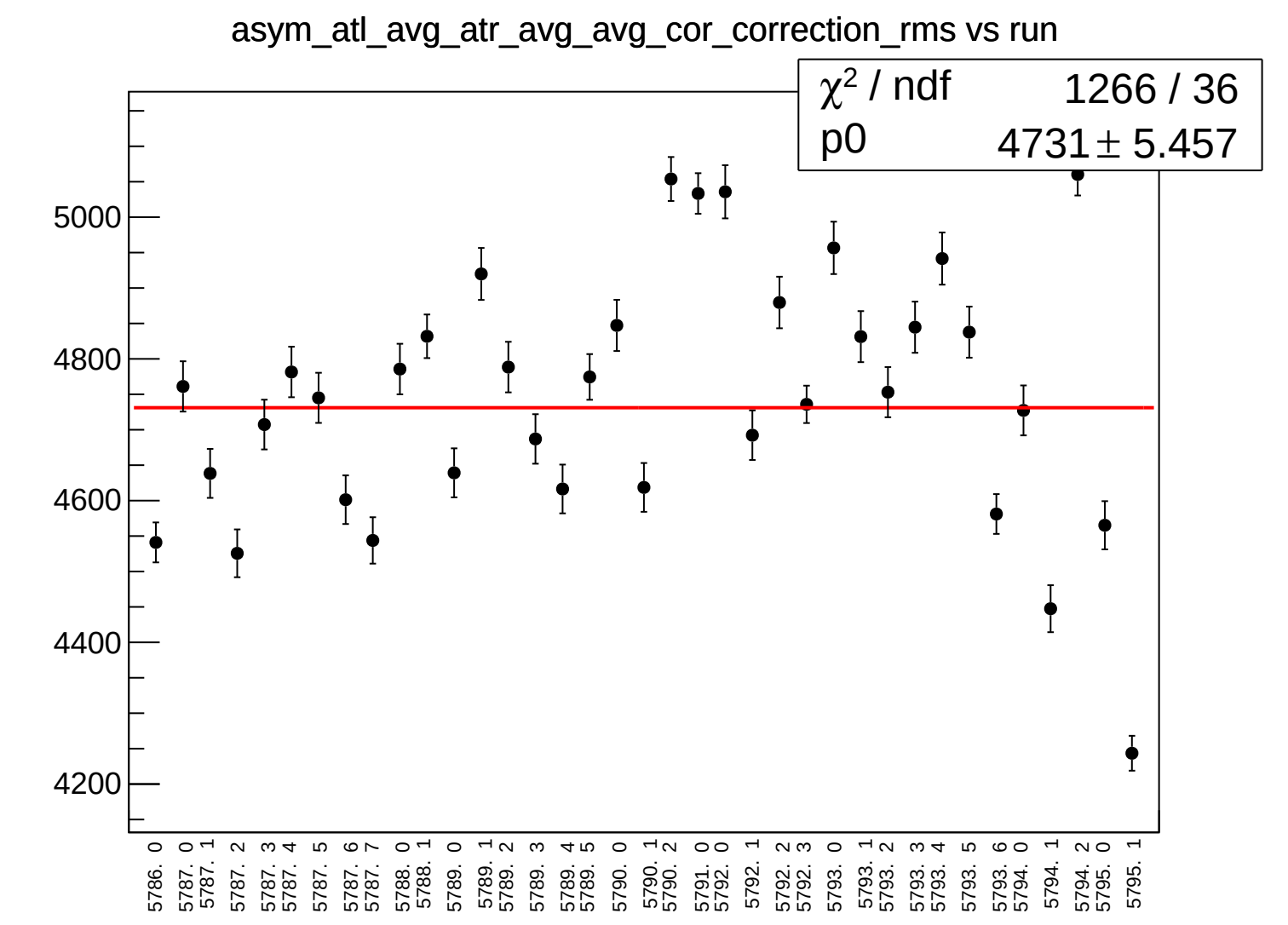

cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.33 / 36
p0 5937 ± 2272
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −855.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

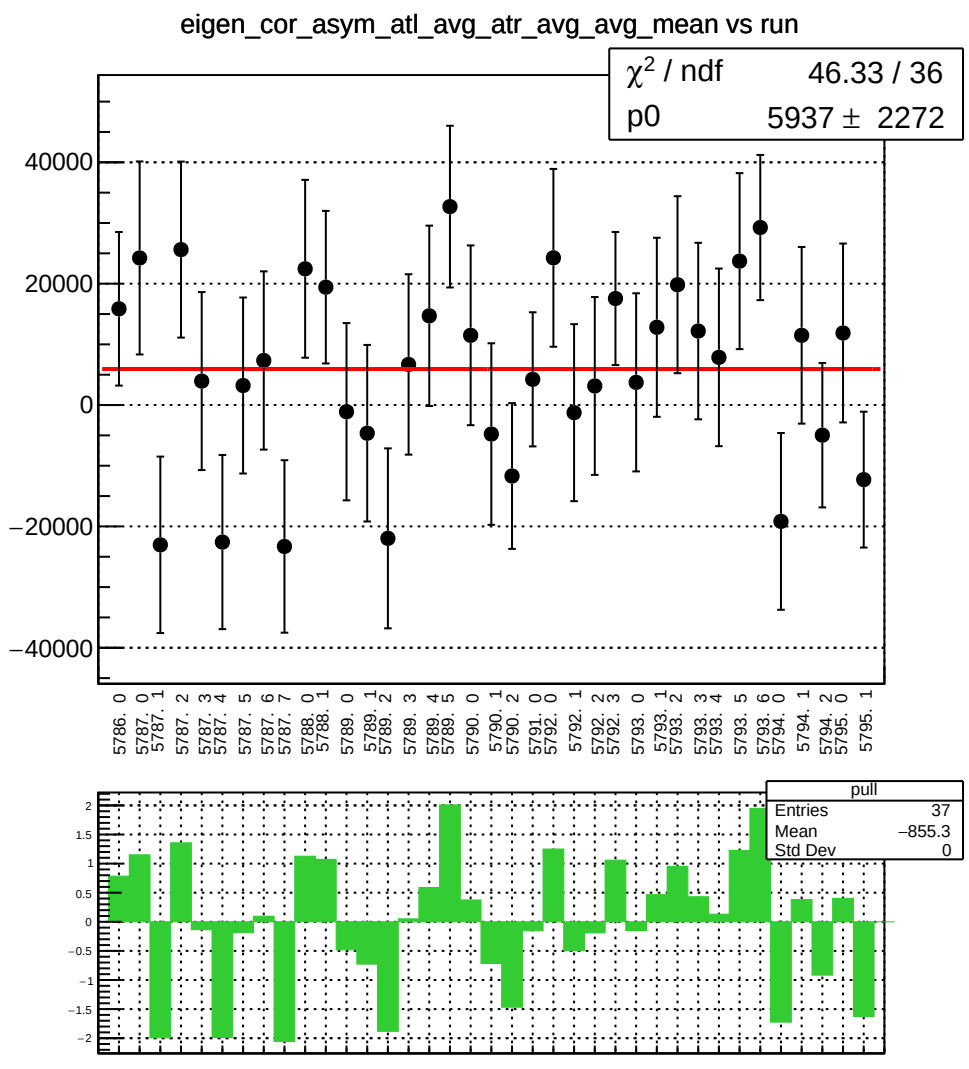

pull1D
Entries 37
Mean −0.0008146
Std Dev 1.119
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

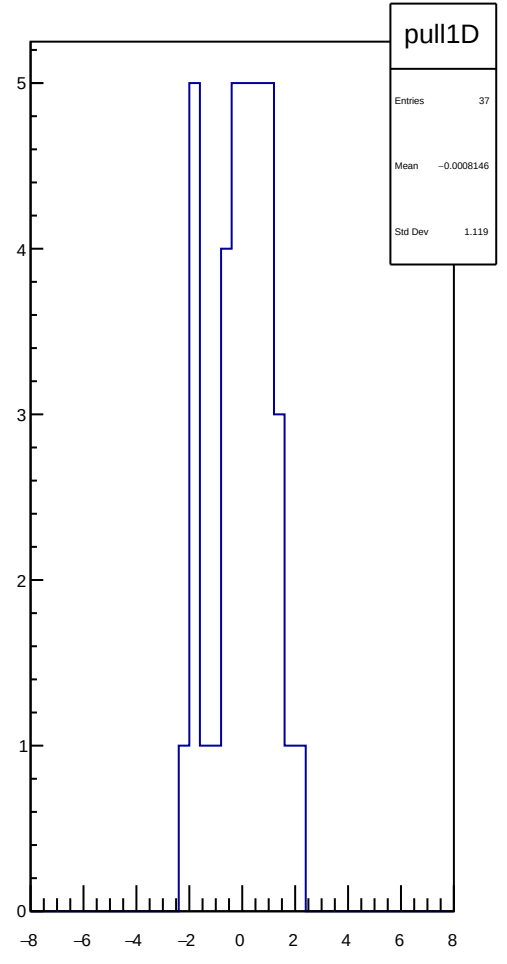

cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 225.7 / 36
p0 1394 ± 1.606
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

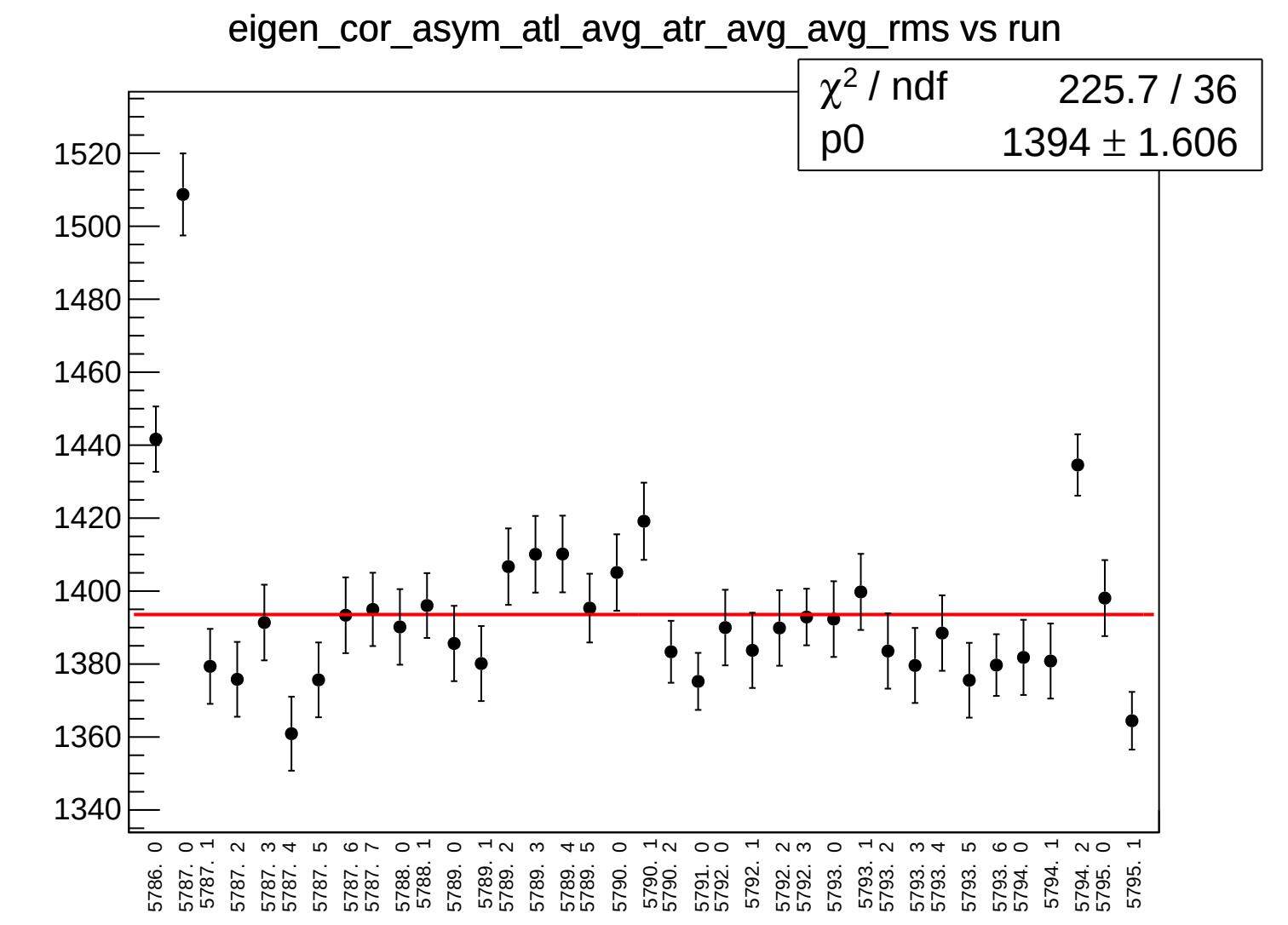

asym_atl_avg_atr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.56 / 36
p0 −1.298e+04 ± 7717
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.8
Std Dev 0
2
1
0
−1
−2

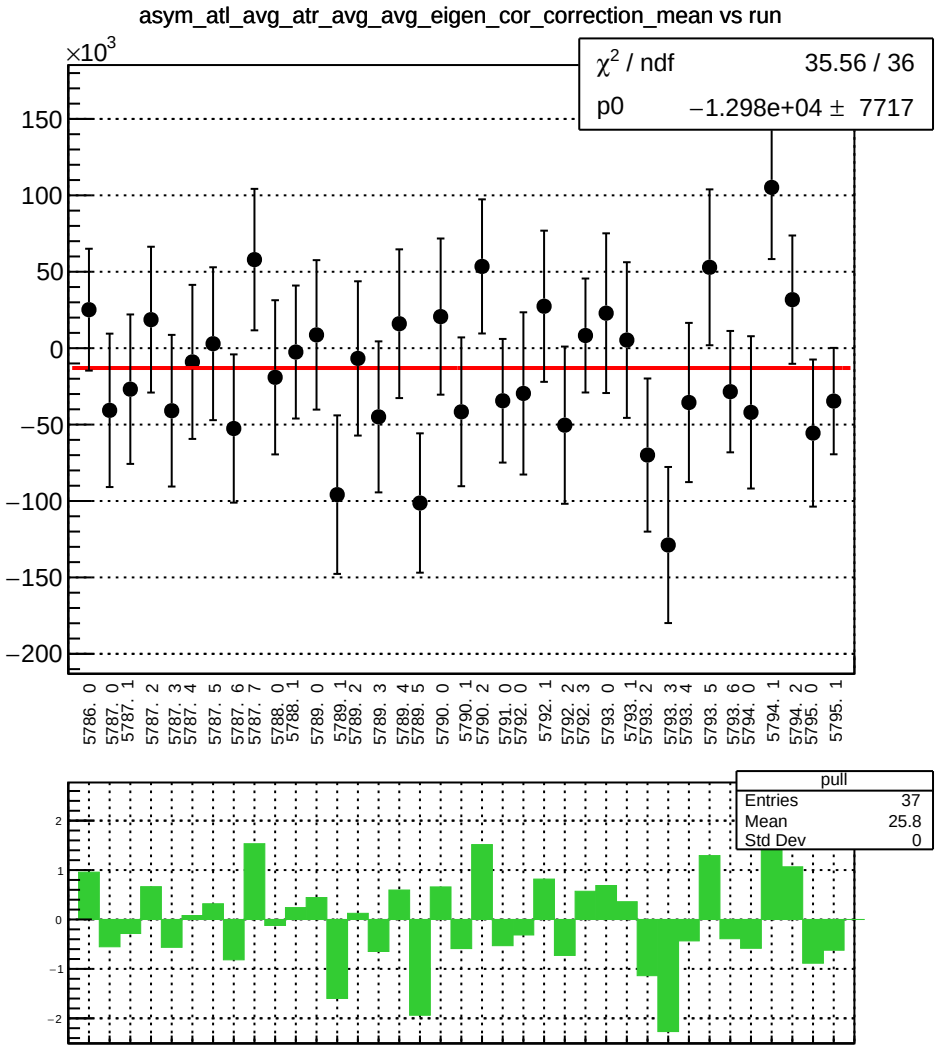

pull1D
Entries 37
Mean −0.01498
Std Dev 0.9803
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

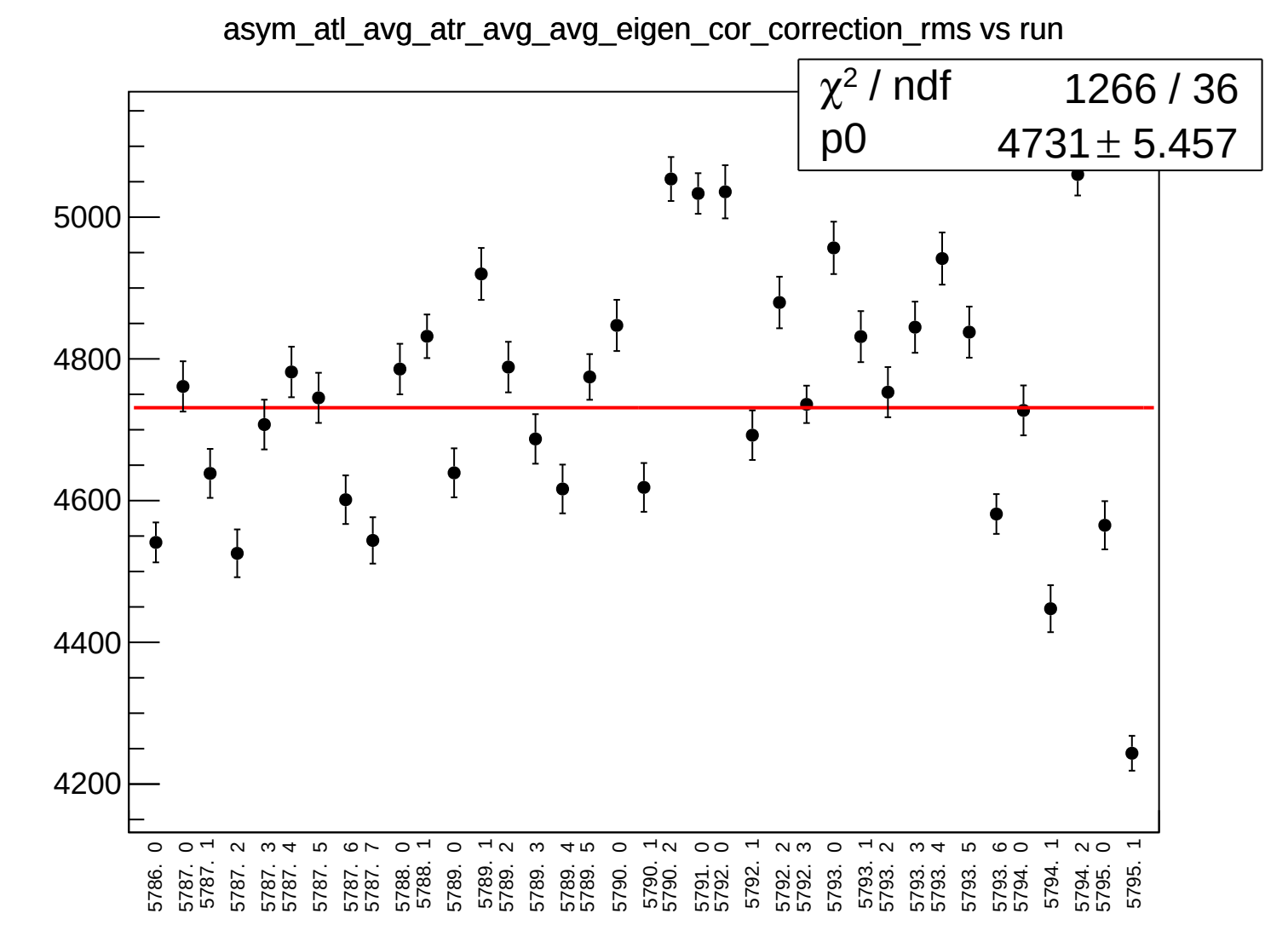

asym_atl_avg_atr_avg_avg_cor_correction_rms vs run
χ² / ndf 1266 / 36
p0 4731 ± 5.457
5000
4800
4600
4400
4200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

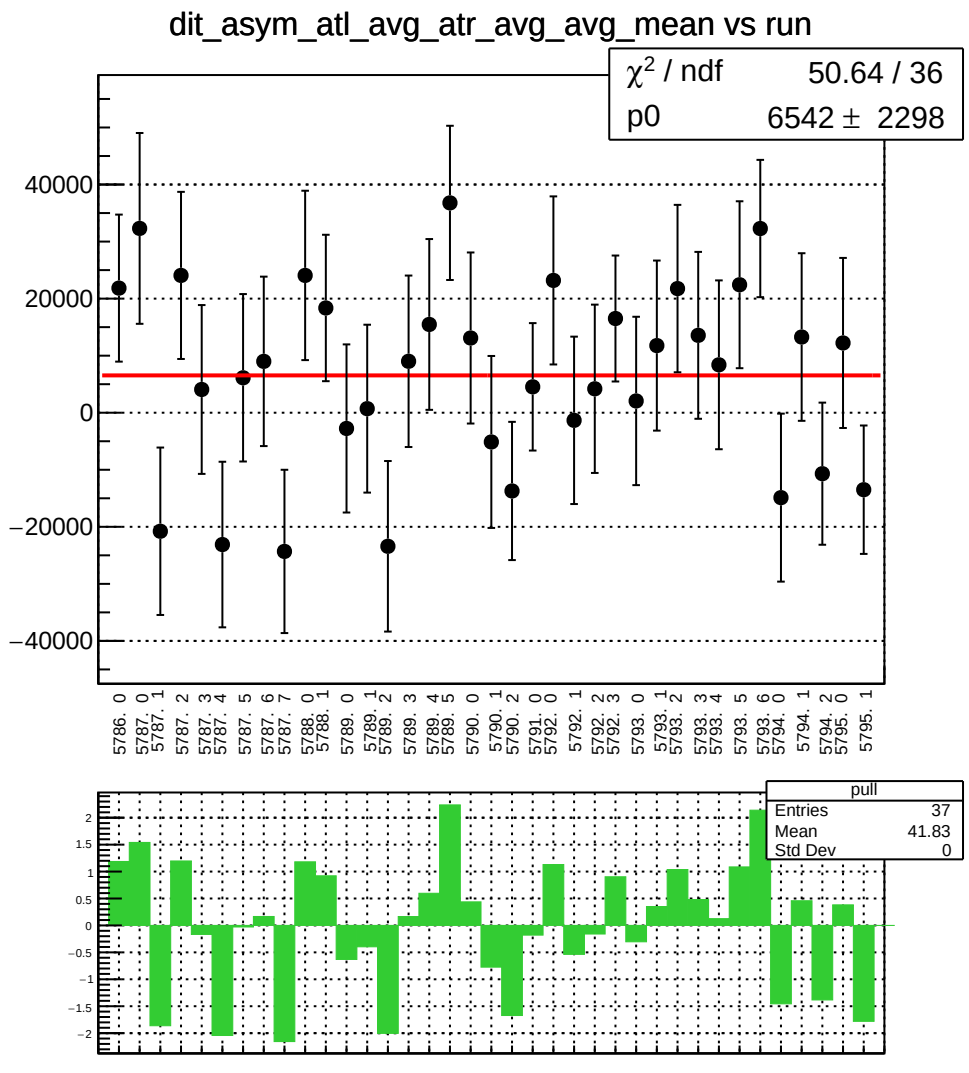

eigen_cor_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 46.33 / 36
p0 5937 ± 2272
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −855.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

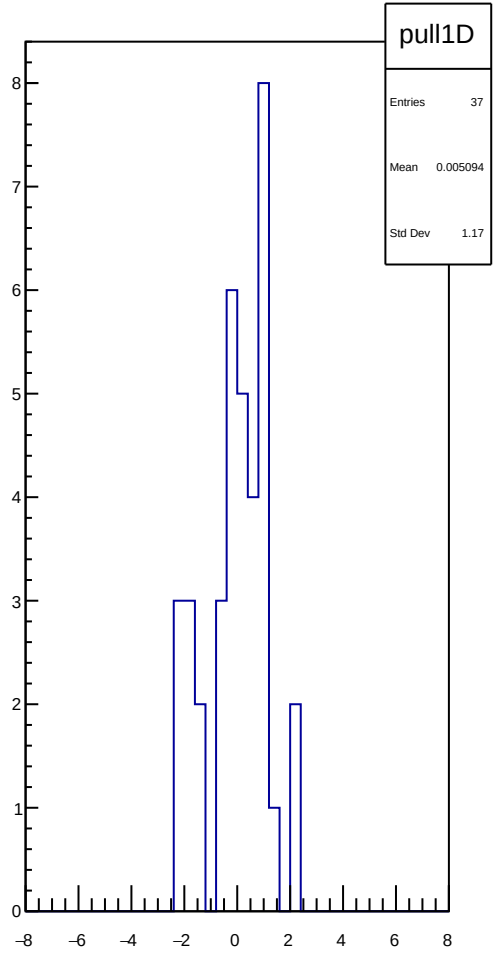

pull1D
Entries 37
Mean −0.0008146
Std Dev 1.119
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

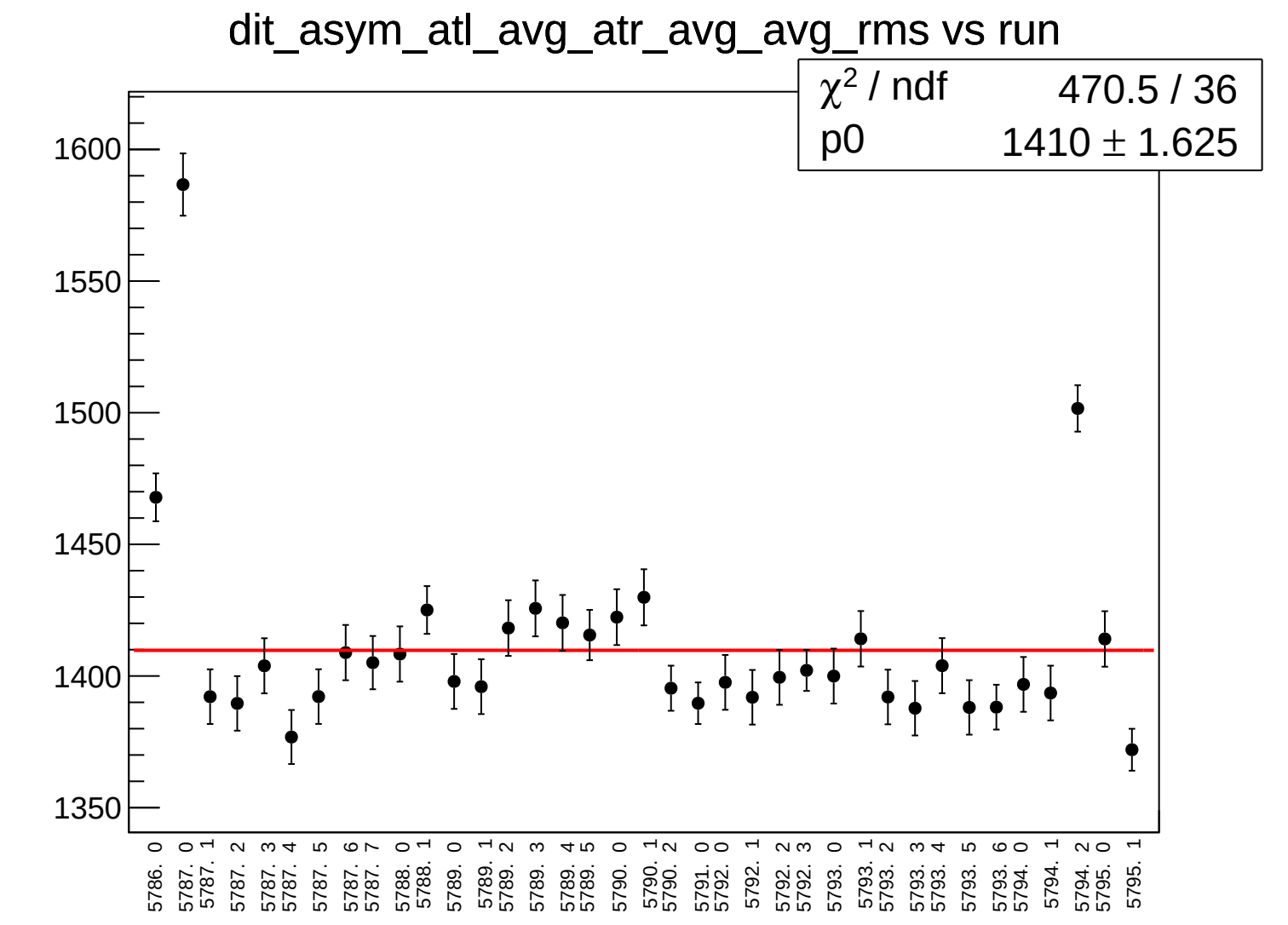

eigen_cor_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 225.7 / 36
p0 1394 ± 1.606
1520
1500
1480
1460
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

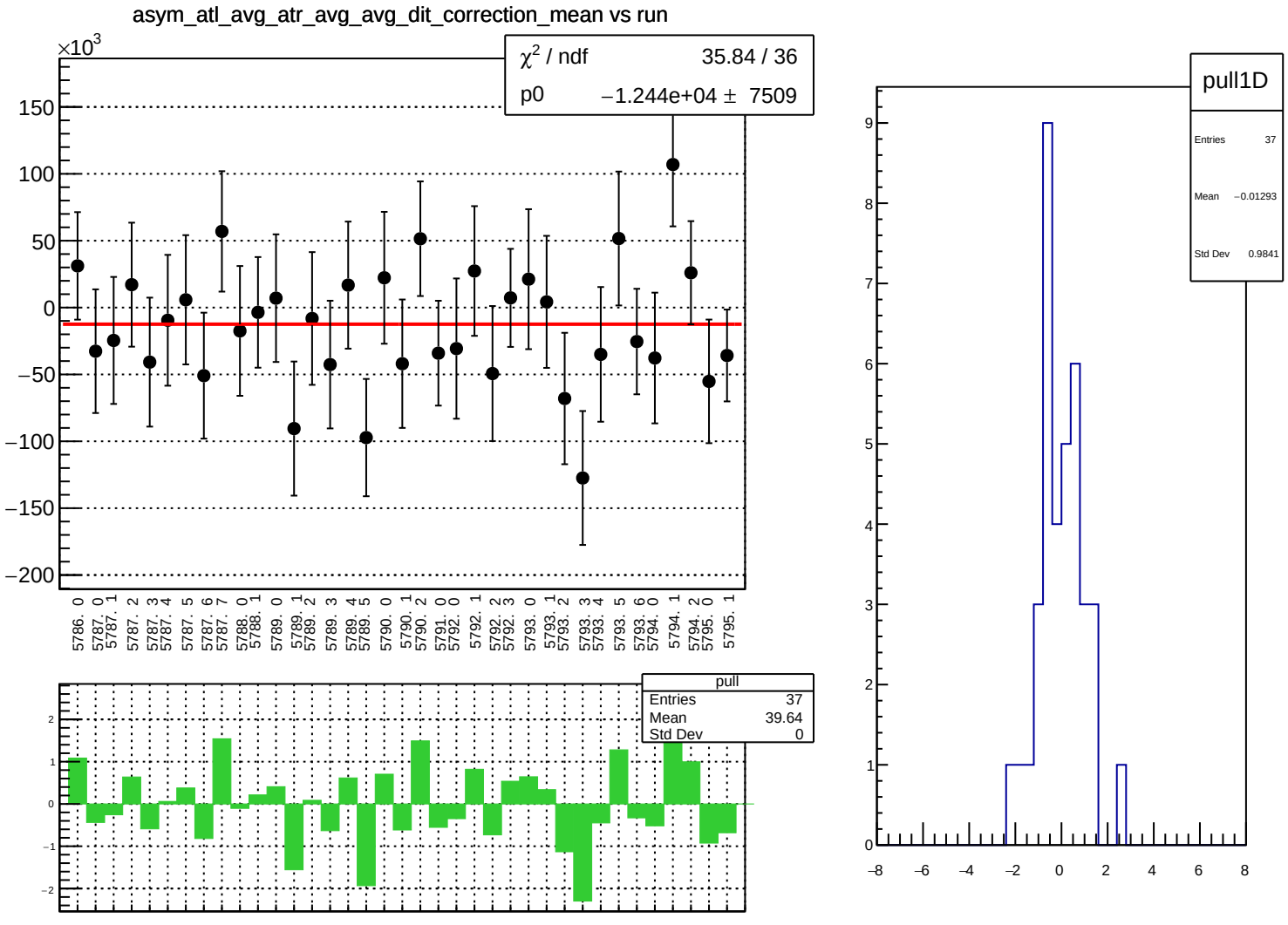

asym_atl_avg_atr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.56 / 36
p0 −1.298e+04 ± 7717
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01498
Std Dev 0.9803
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

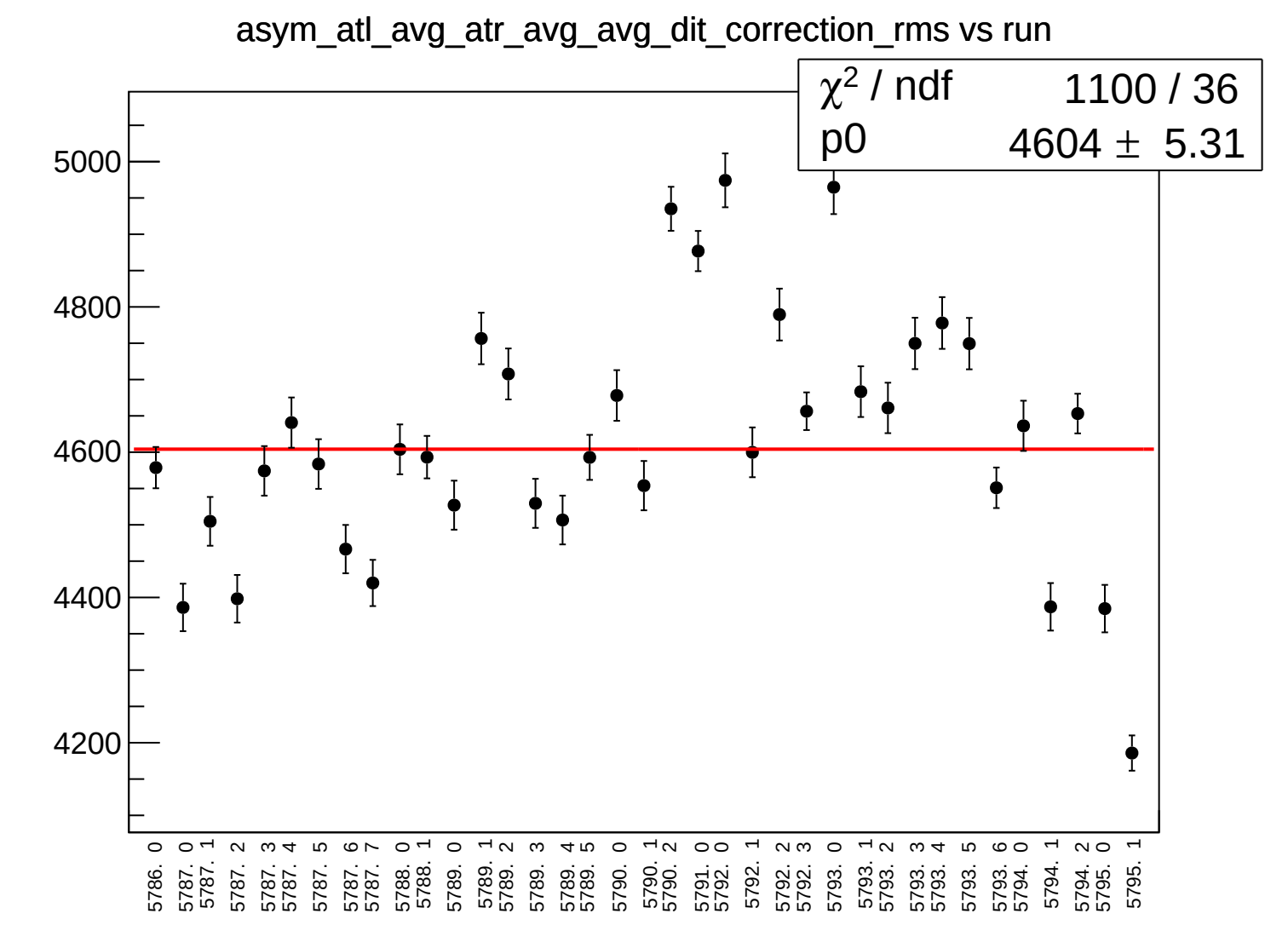

asym_atl_avg_atr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1266 / 36
p0 4731 ± 5.457
5000
4800
4600
4400
4200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

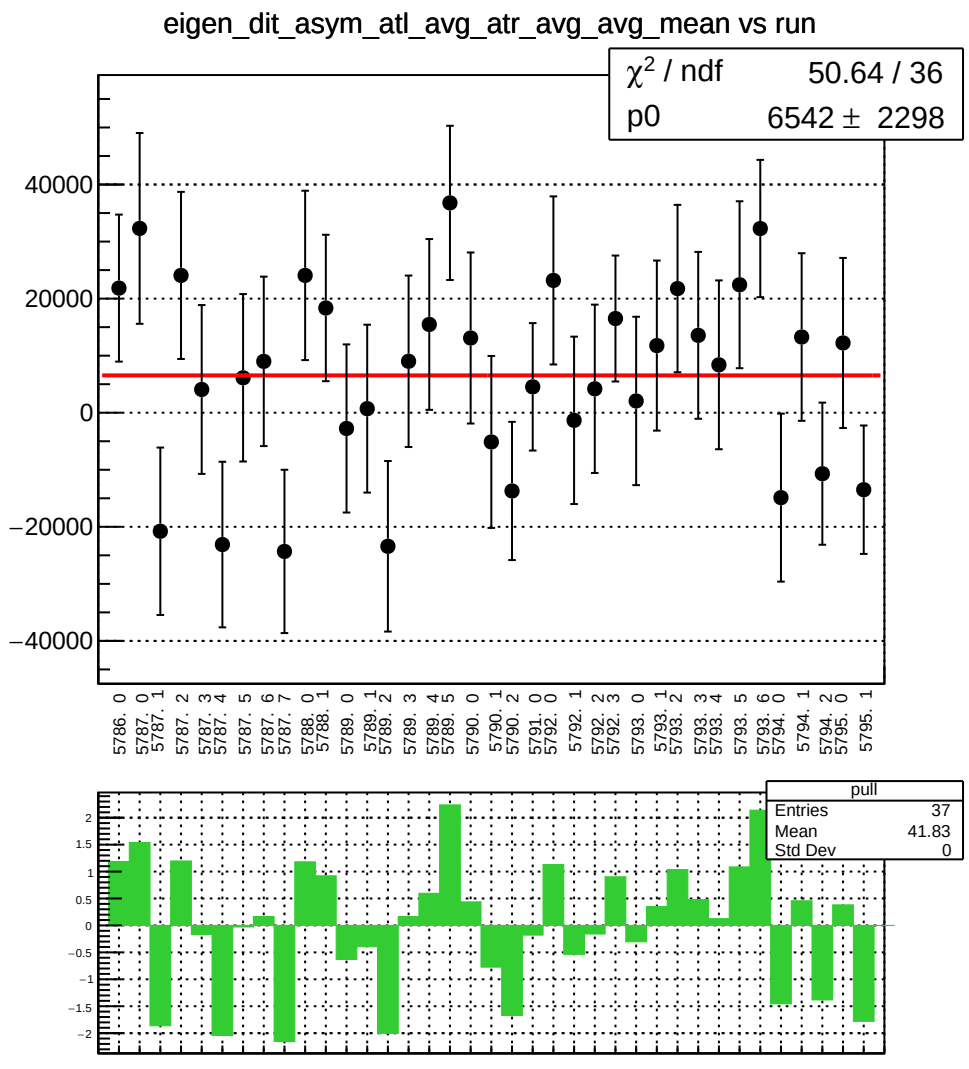

dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.64 / 36
p0 6542 ± 2298
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

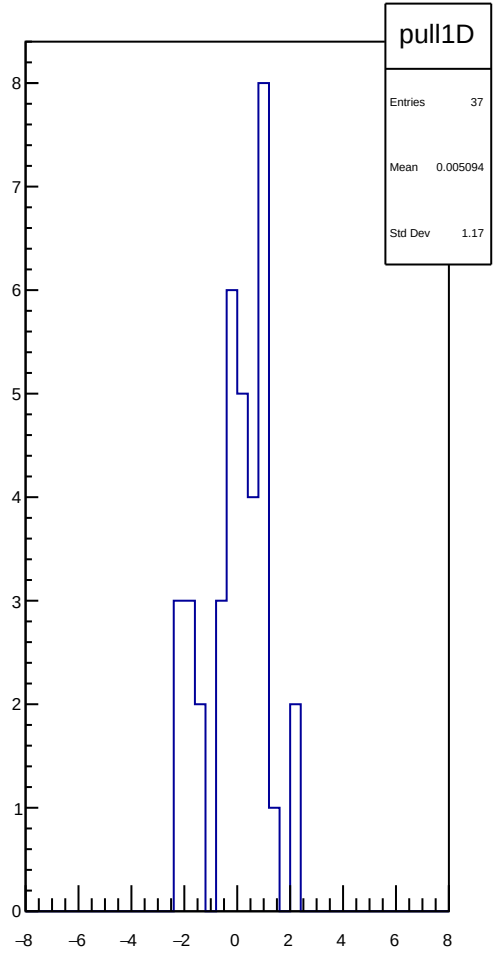

pull1D
Entries 37
Mean 0.005094
Std Dev 1.17
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

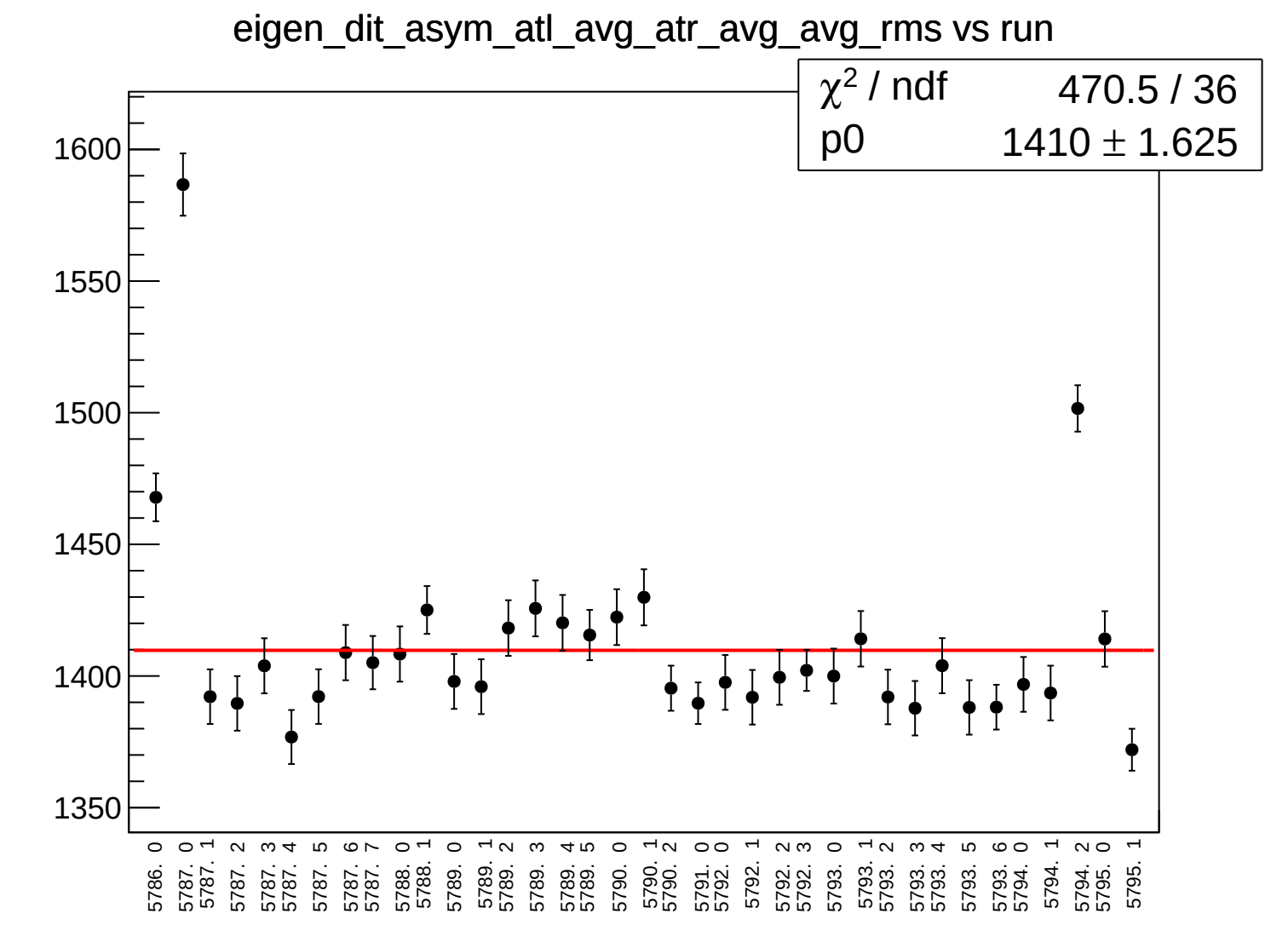

dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 470.5 / 36
p0 1410 ± 1.625
1600
1550
1500
1450
1400
1350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

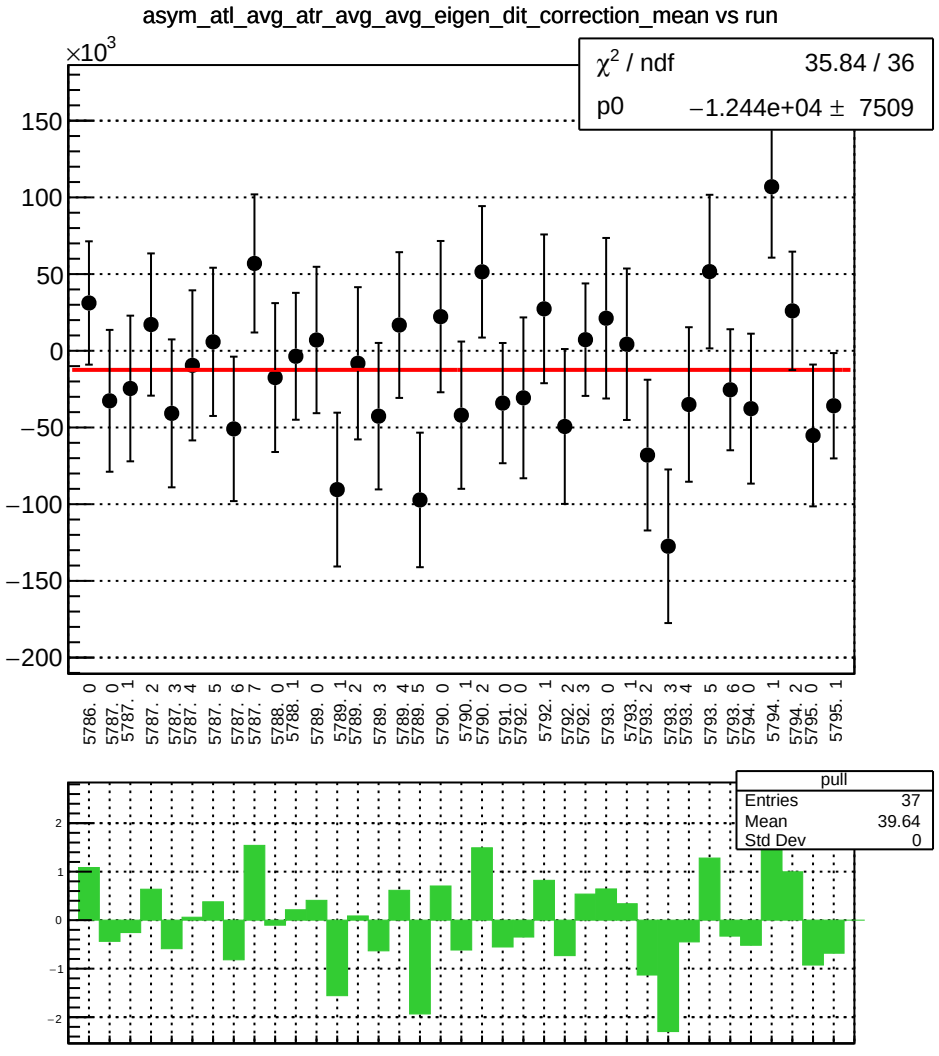

asym_atl_avg_atr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.84 / 36
p0 −1.244e+04 ± 7509
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.64
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01293
Std Dev 0.9841
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

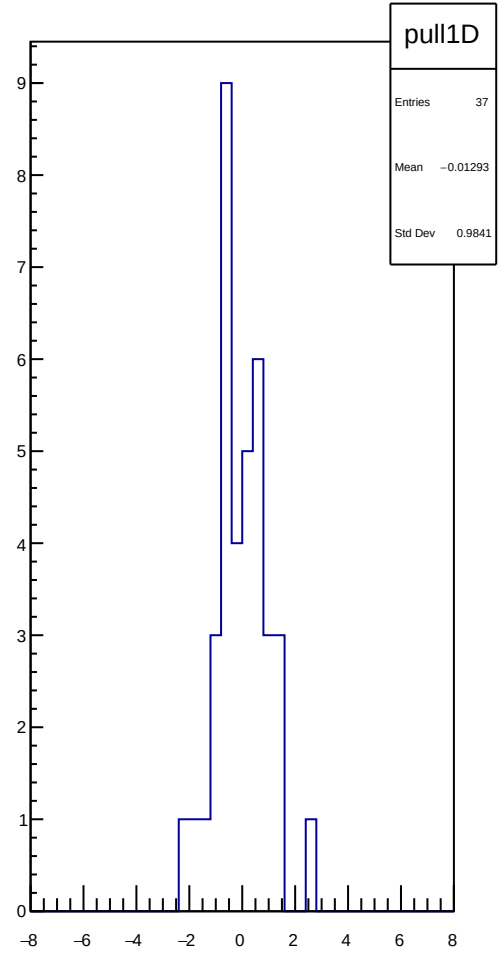

asym_atl_avg_atr_avg_avg_dit_correction_rms vs run
χ² / ndf 1100 / 36
p0 4604 ± 5.31
5000
4800
4600
4400
4200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

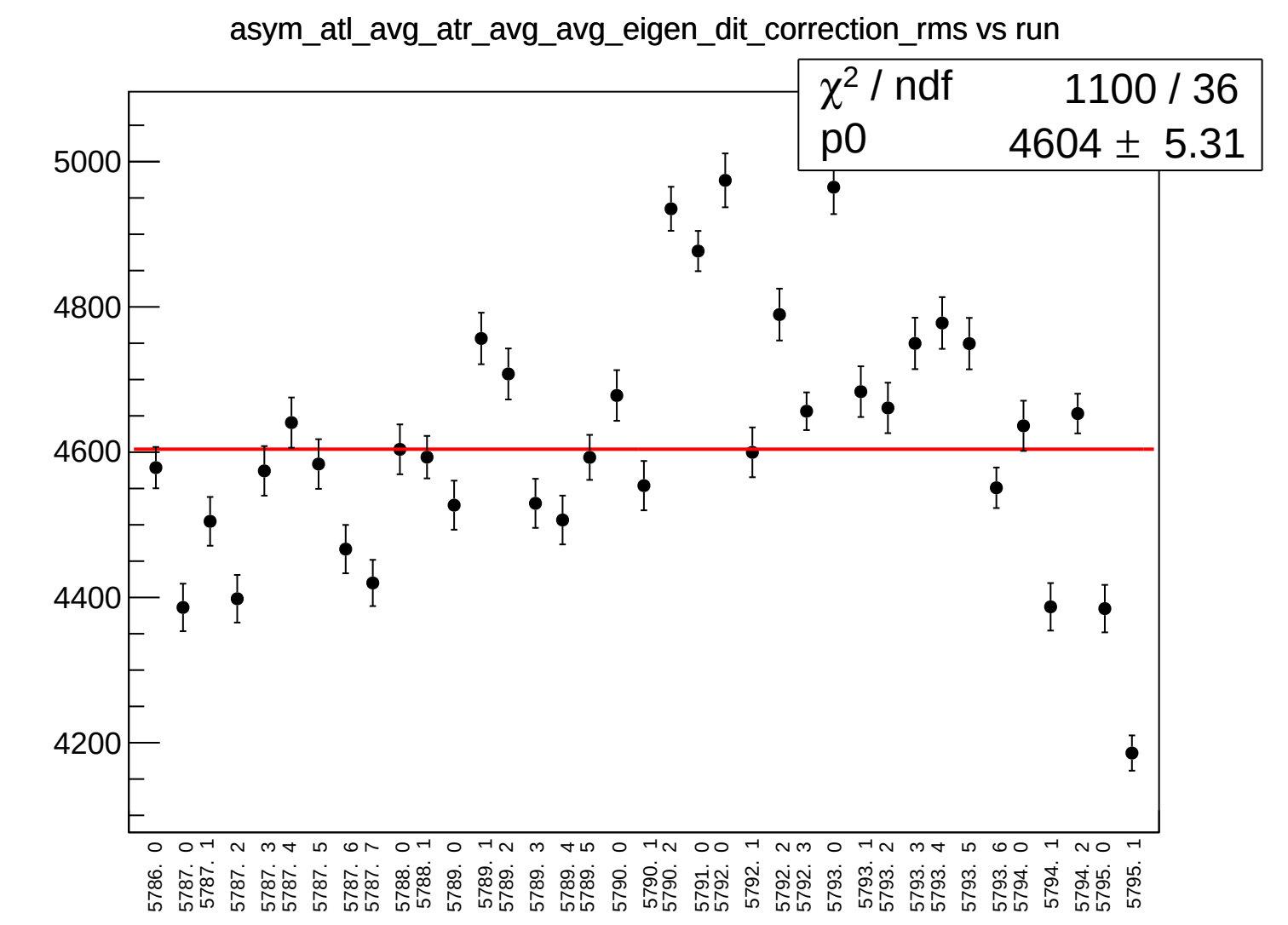

eigen_dit_asym_atl_avg_atr_avg_avg_mean vs run
χ² / ndf 50.64 / 36
p0 6542 ± 2298
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.83
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

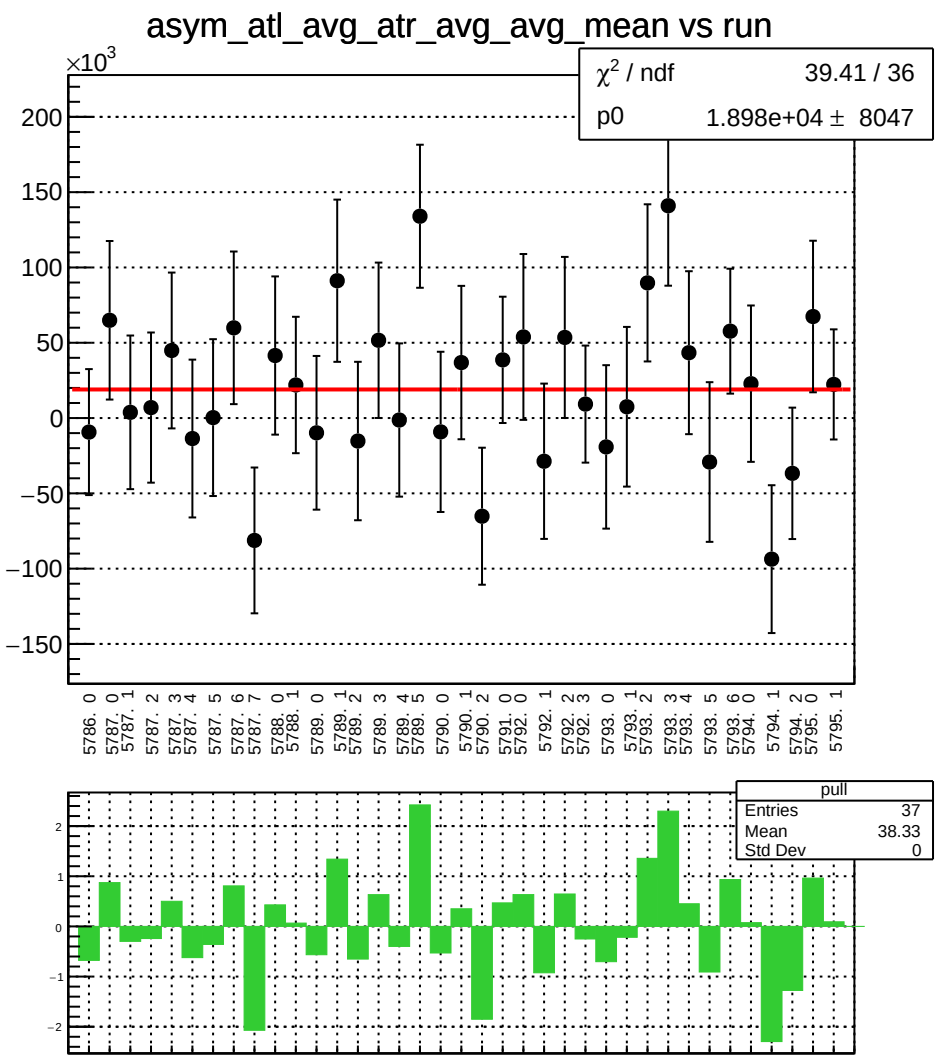

pull1D
Entries 37
Mean 0.005094
Std Dev 1.17
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

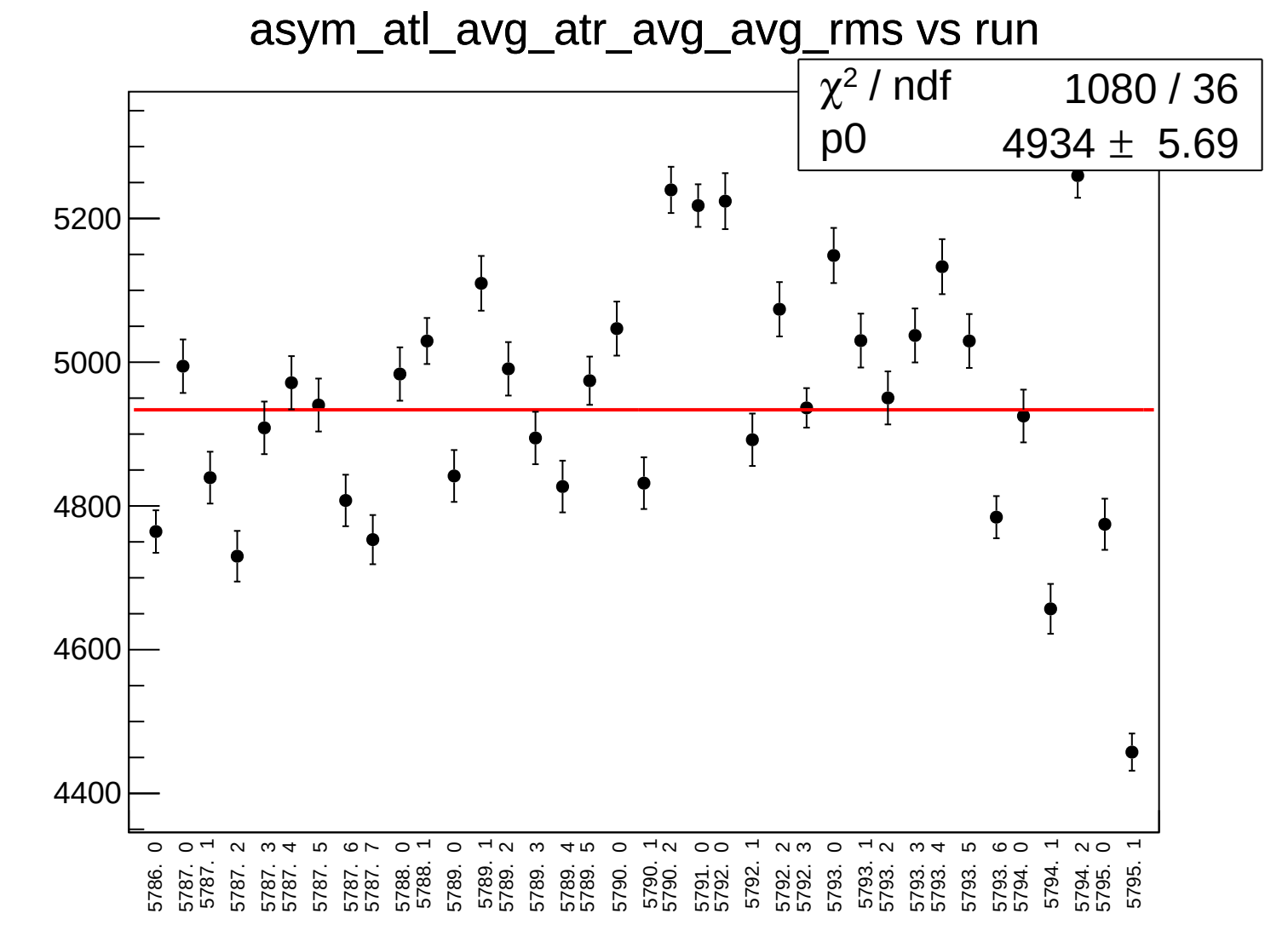

eigen_dit_asym_atl_avg_atr_avg_avg_rms vs run
χ² / ndf 470.5 / 36
p0 1410 ± 1.625
1600
1550
1500
1450
1400
1350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_atr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.84 / 36
p0 −1.244e+04 ± 7509
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.64
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01293
Std Dev 0.9841
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 1100 / 36
p0 4604 ± 5.31
5000
4800
4600
4400
4200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_atr_avg_avg_mean vs run
×10^3
χ² / ndf 39.41 / 36
p0 1.898e+04 ± 8047
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01363
Std Dev 1.032
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 1080 / 36
p0 4934 ± 5.69
5200
5000
4800
4600
4400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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5793. 0
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5794. 0
5794. 1
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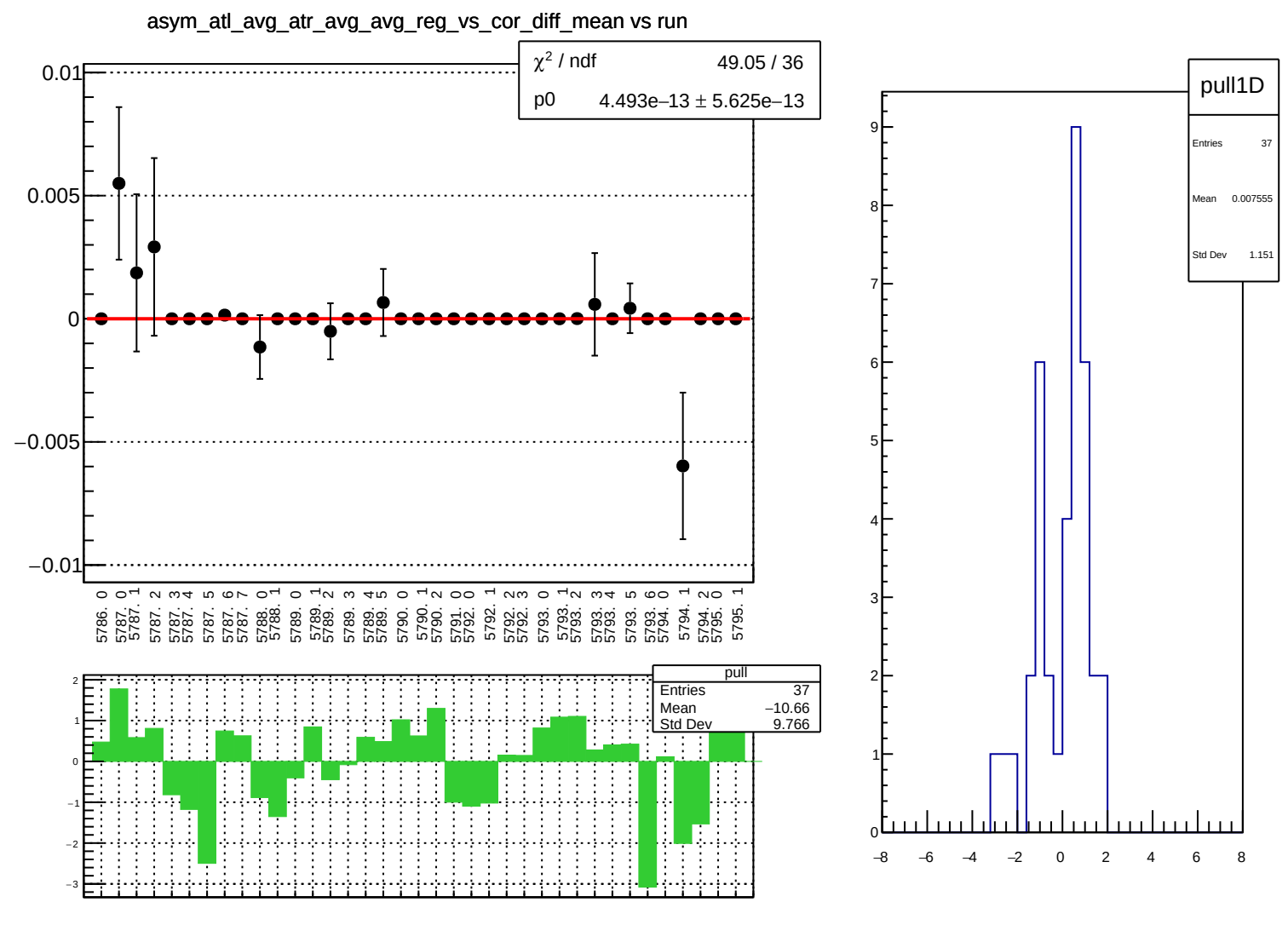
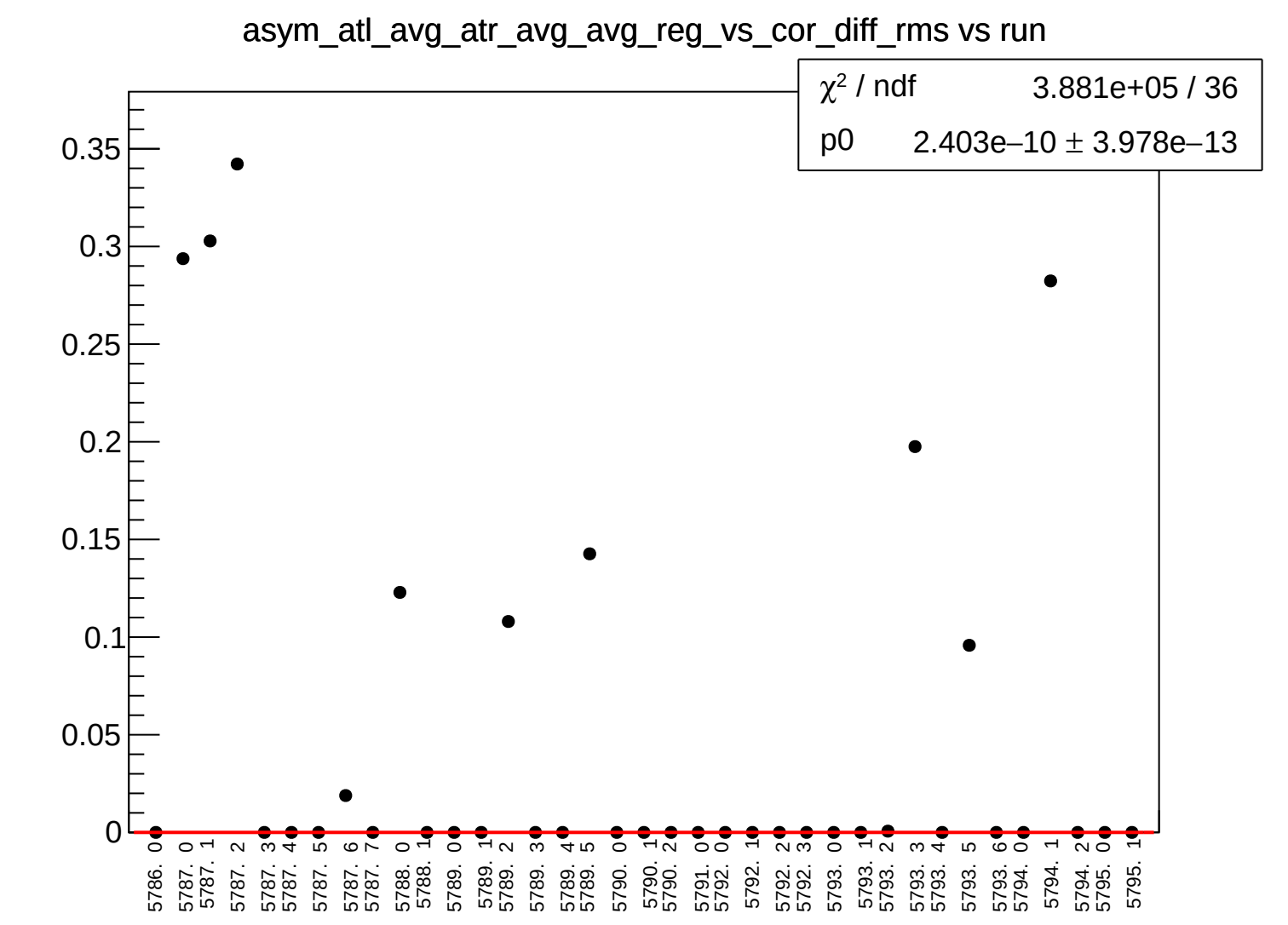
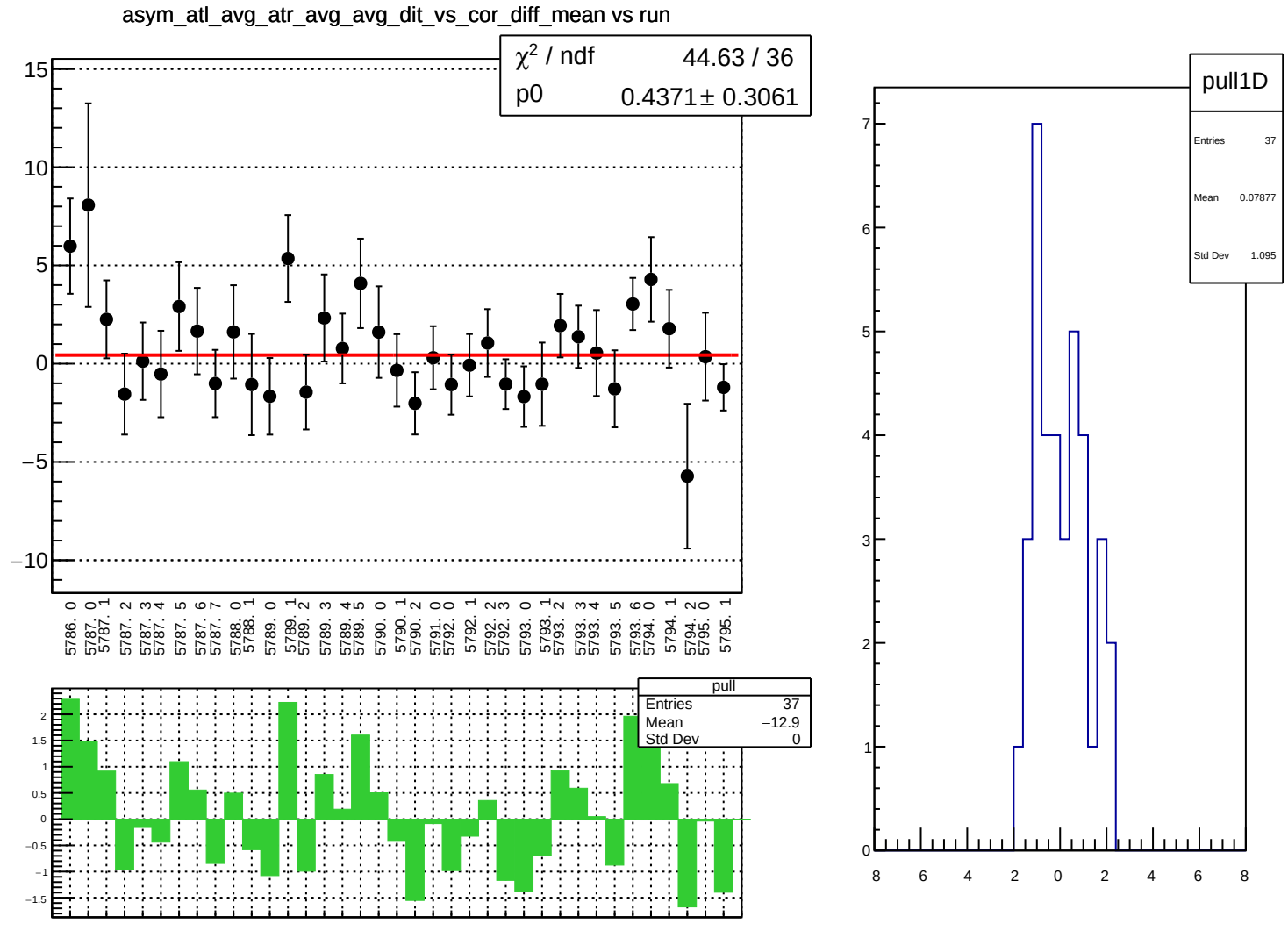
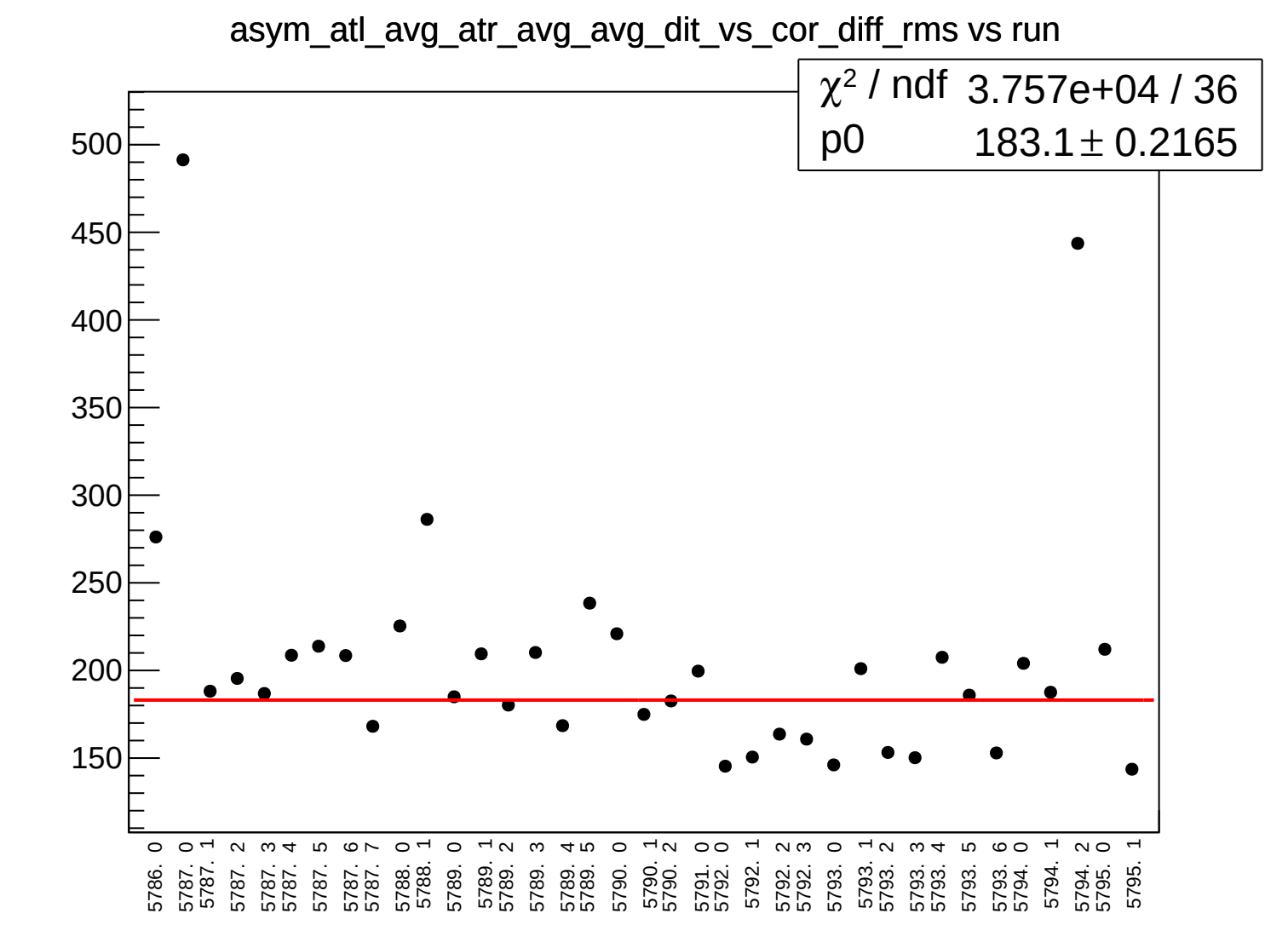
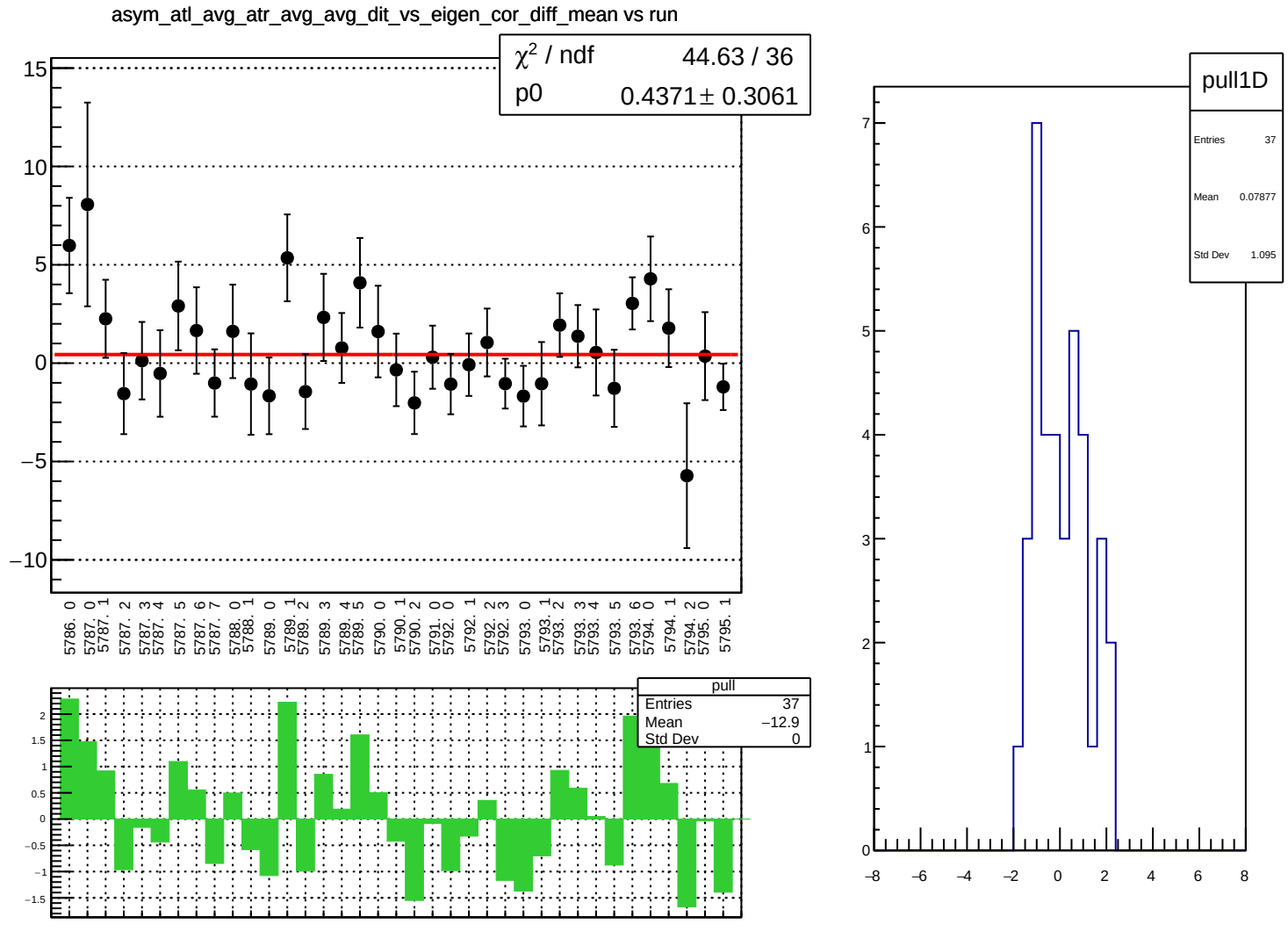
5795. 0
5795. 1

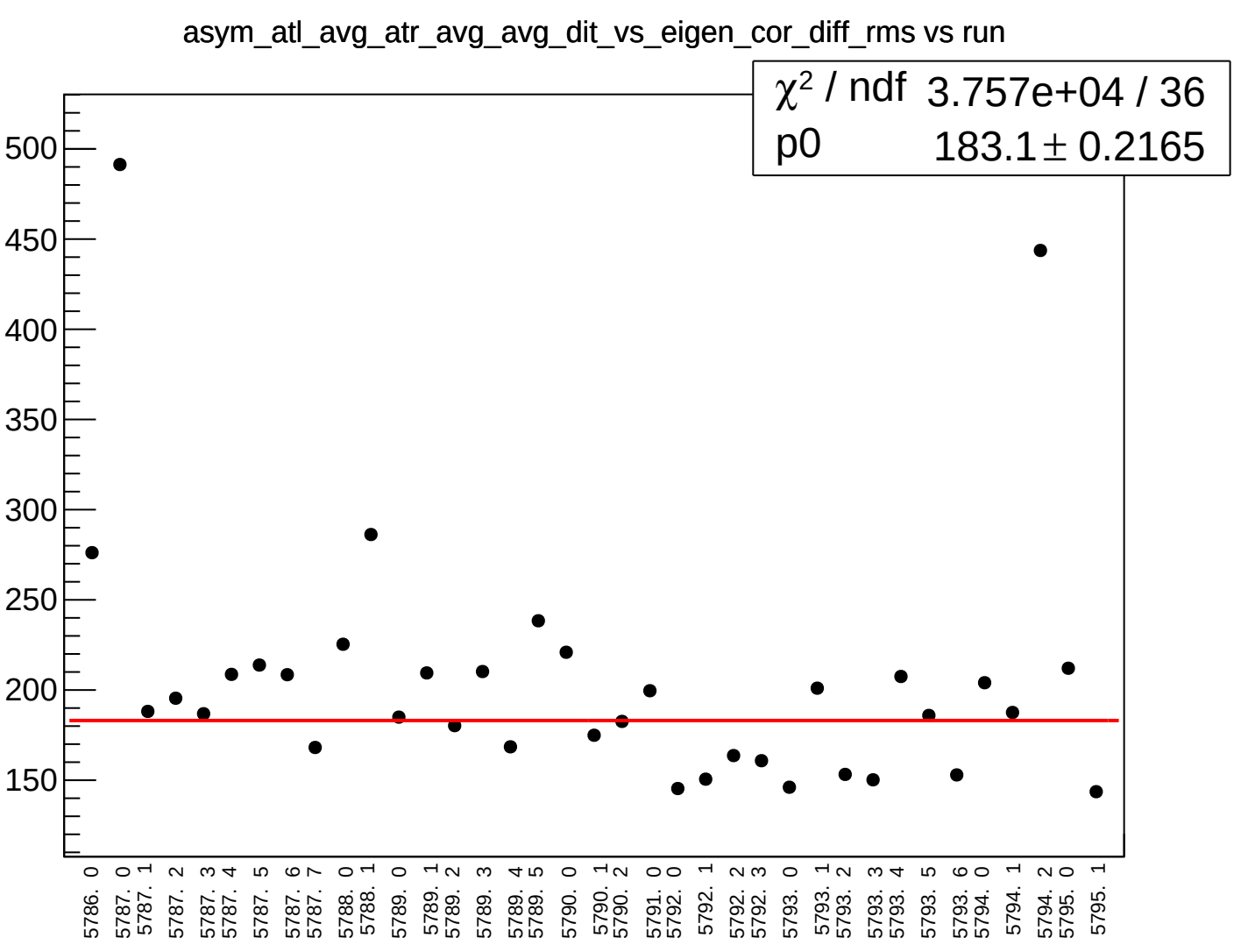

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.05 / 36
p0 4.493e−13 ± 5.625e−13
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.66
Std Dev 9.766
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.007555
Std Dev 1.151
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

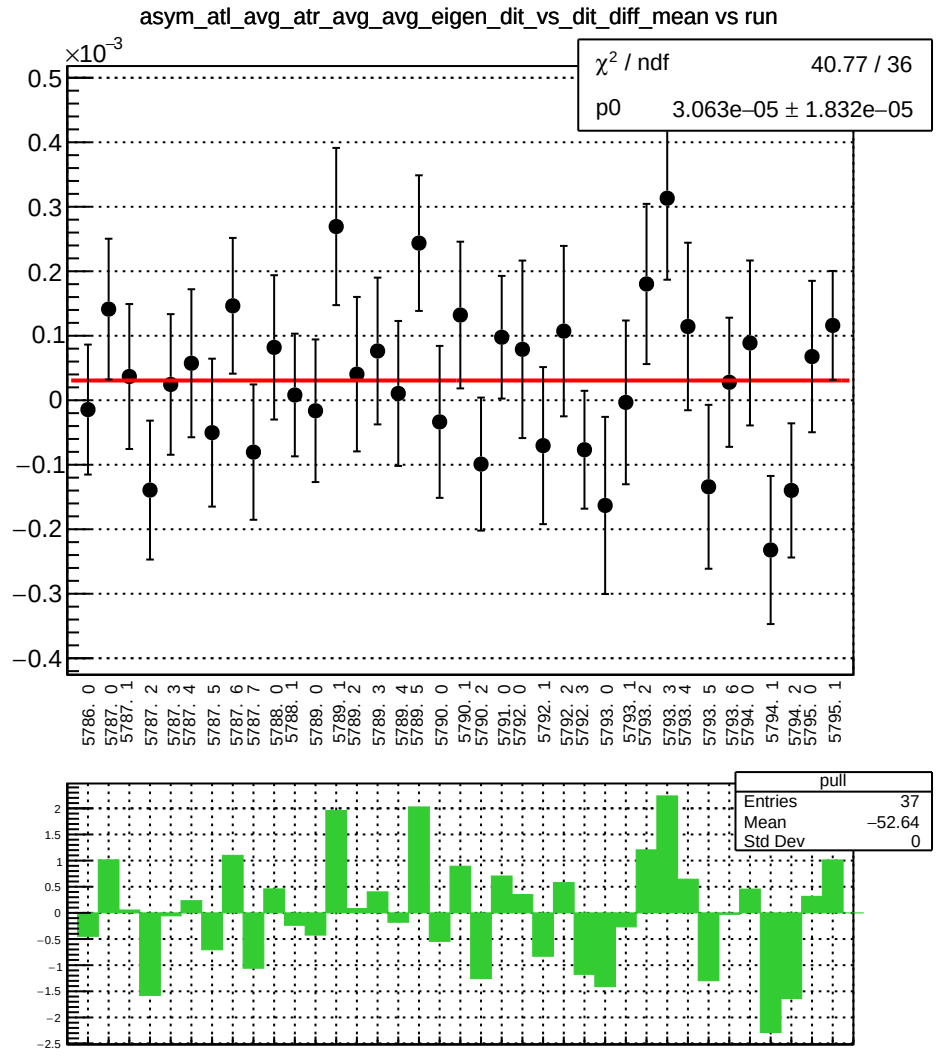

asym_atl_avg_atr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.881e+05 / 36
p0 2.403e−10 ± 3.978e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

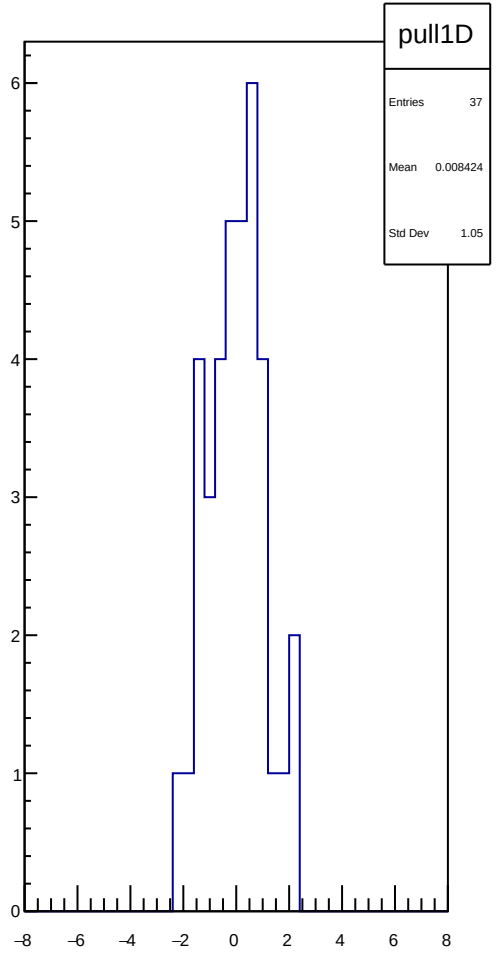

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.63 / 36
p0 0.4371± 0.3061
pull
Entries 37
Mean −12.9
Std Dev 0
pull1D
Entries 37
Mean 0.07877
Std Dev 1.095

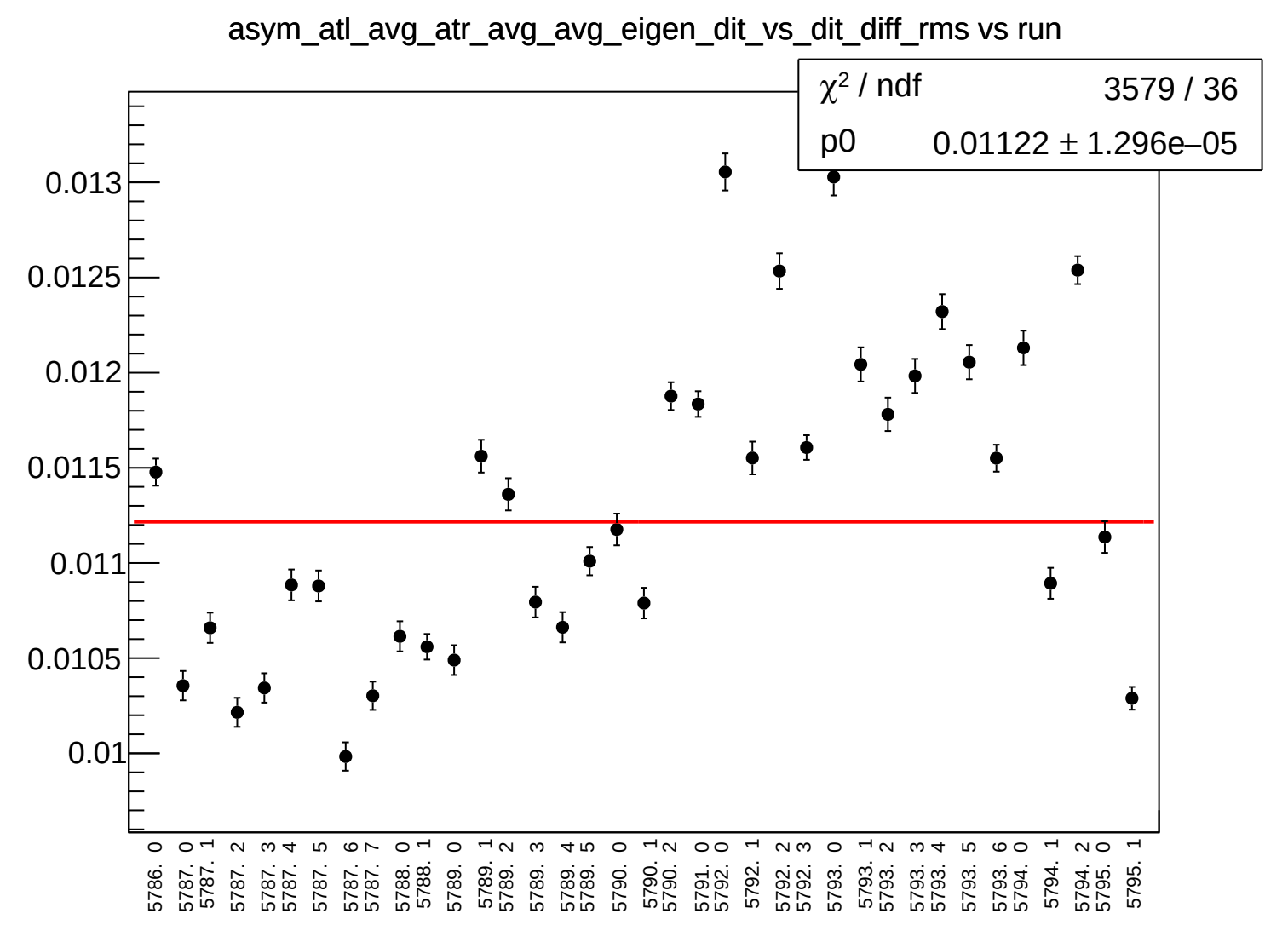

asym_atl_avg_atr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.757e+04 / 36
p0 183.1 ± 0.2165
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

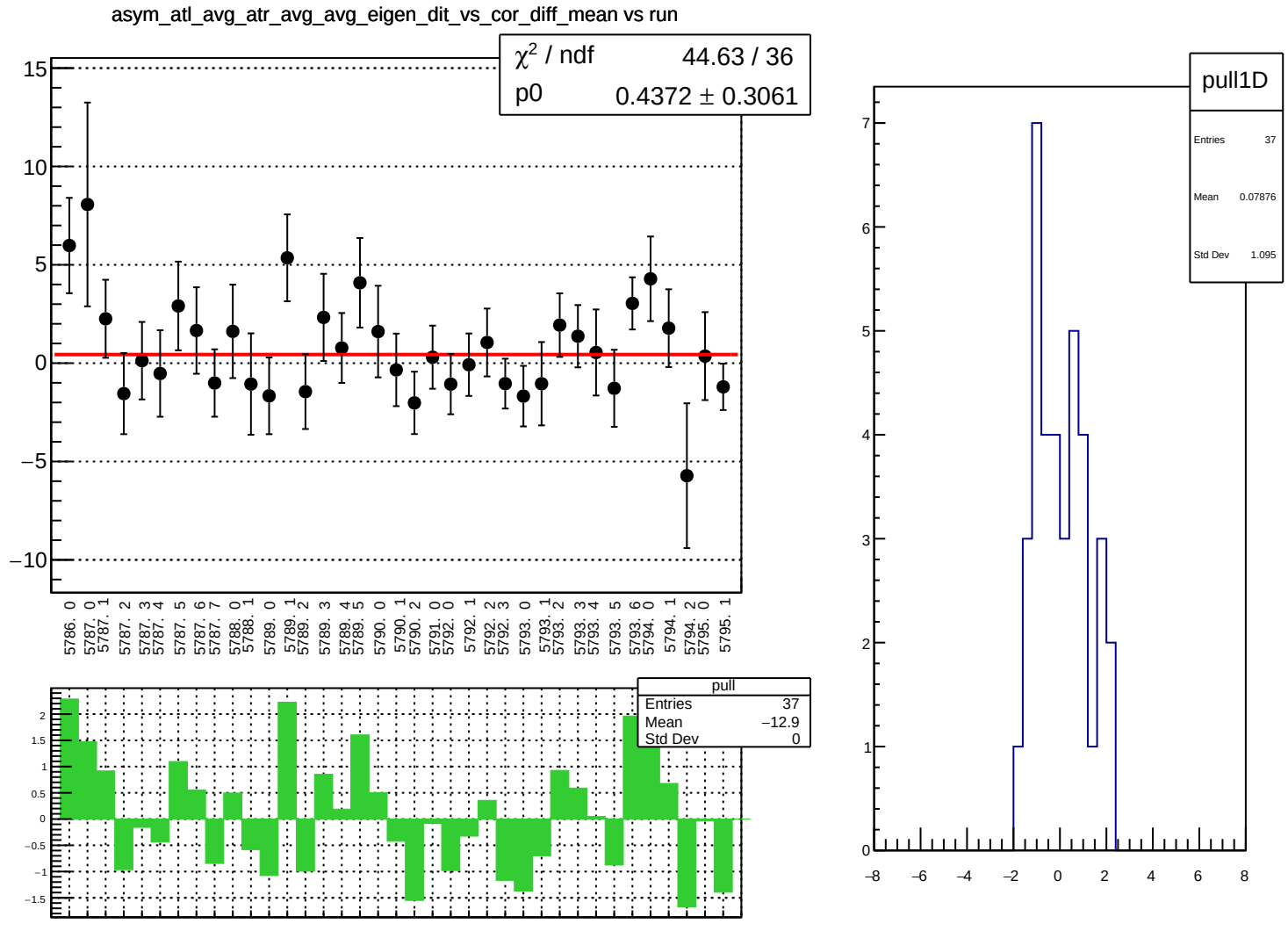

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.63 / 36
p0 0.4371± 0.3061
pull
Entries 37
Mean −12.9
Std Dev 0
pull1D
Entries 37
Mean 0.07877
Std Dev 1.095

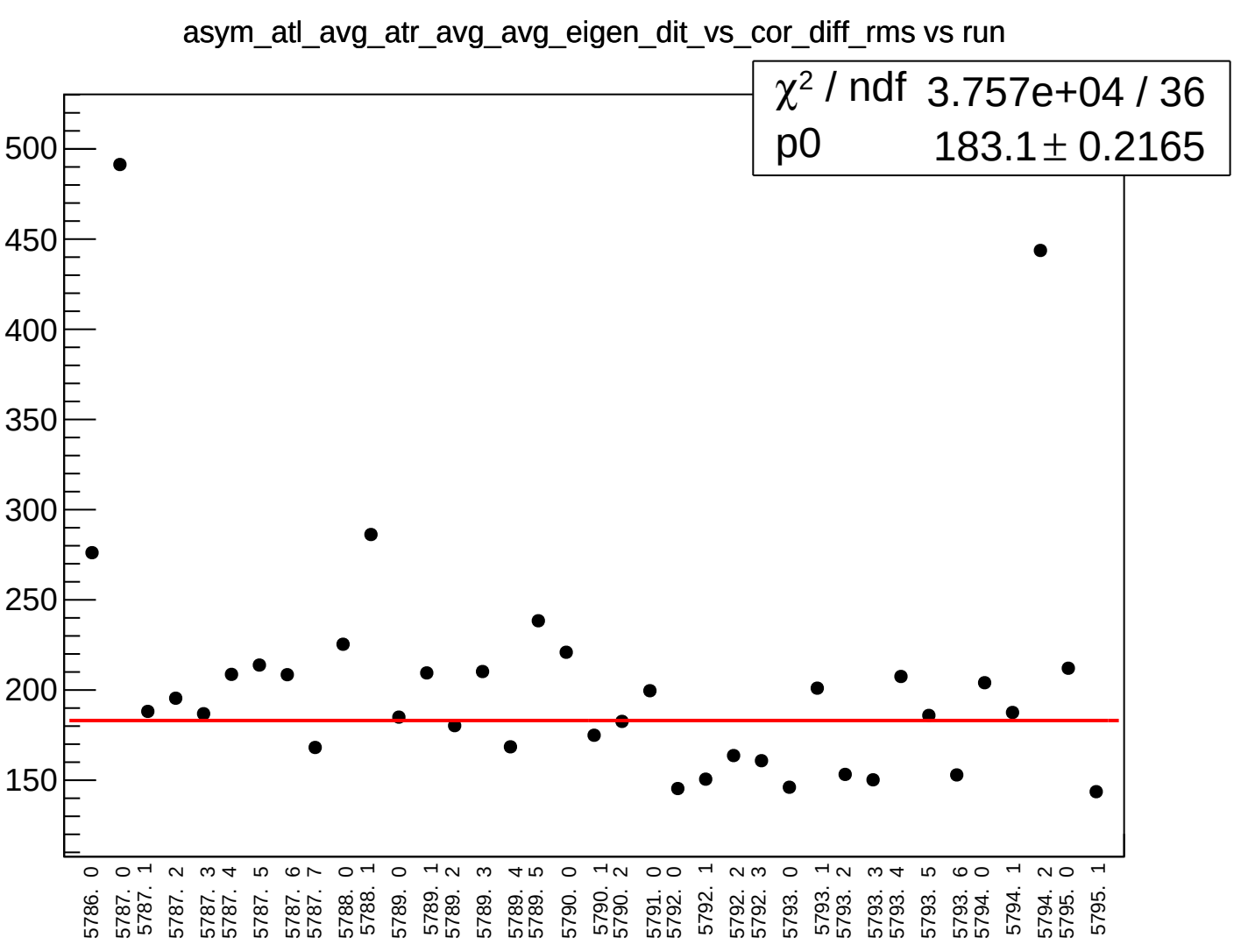

asym_atl_avg_atr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.757e+04 / 36
p0 183.1 ± 0.2165
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

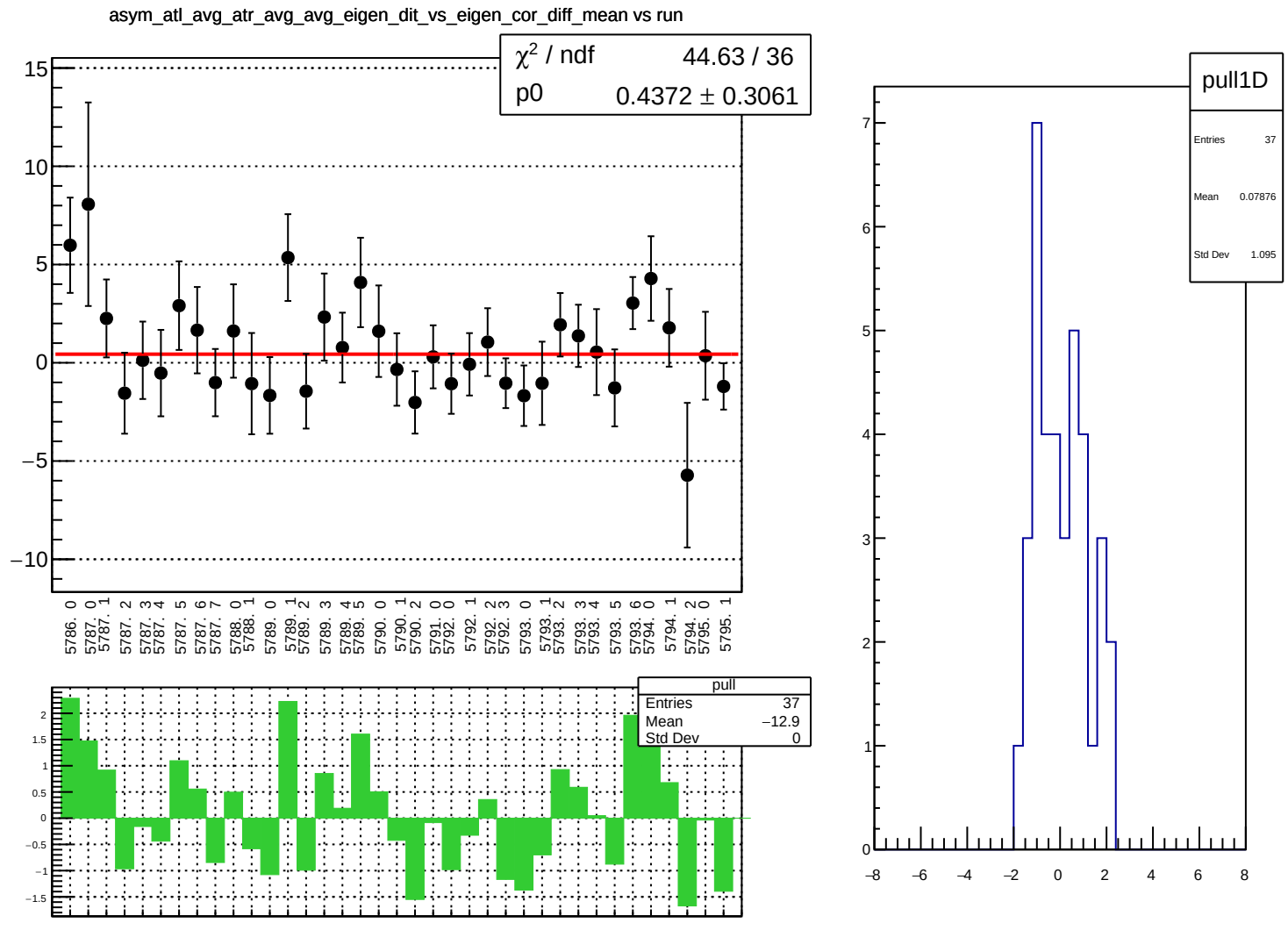

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.77 / 36
p0 3.063e−05 ± 1.832e−05
pull
Entries 37
Mean −52.64
Std Dev 0

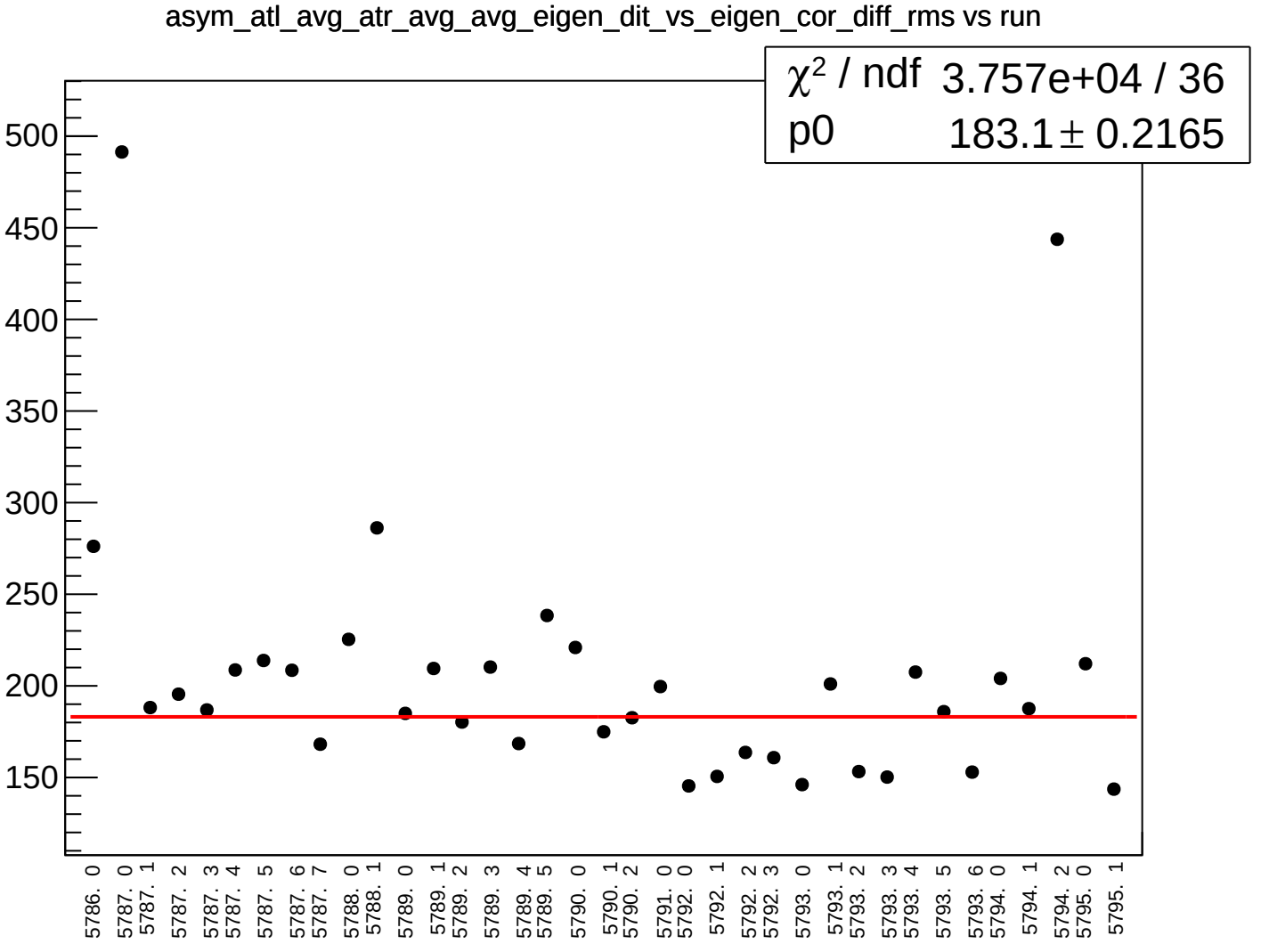

pull1D
Entries 37
Mean 0.008424
Std Dev 1.05

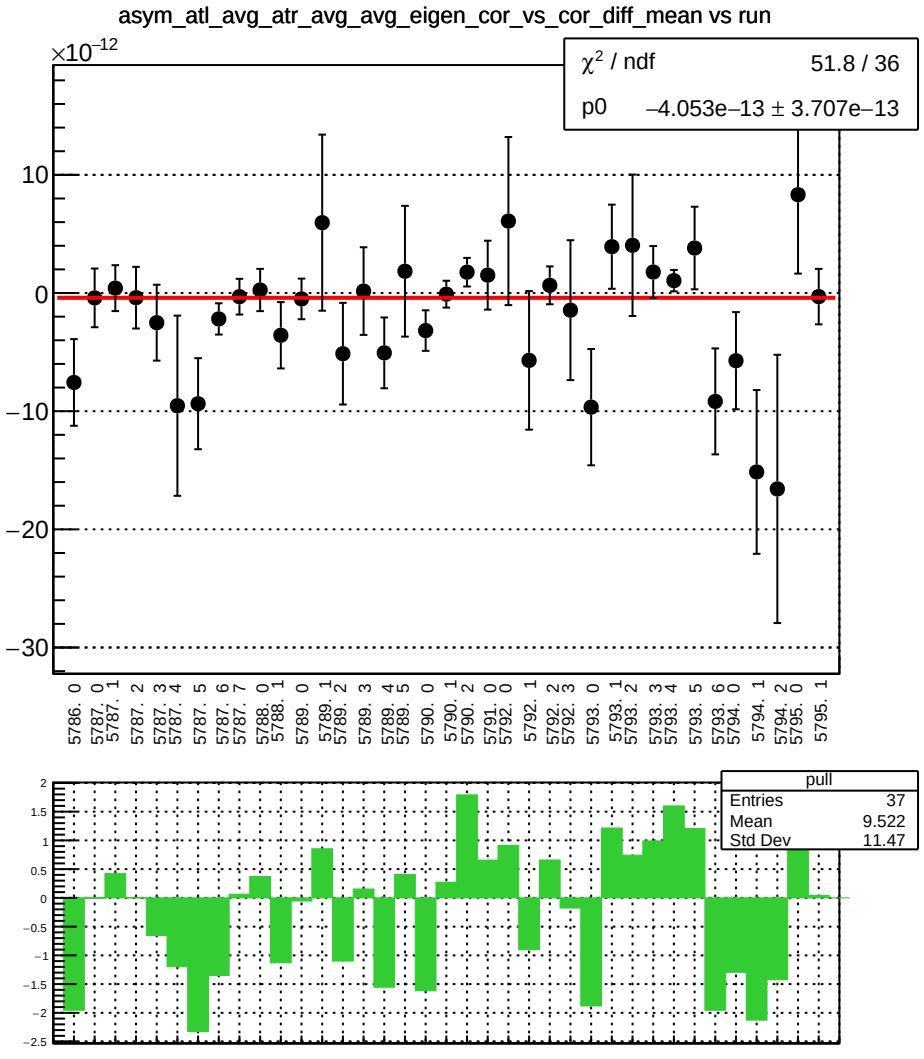

asym_atl_avg_atr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3579 / 36
p0 0.01122 ± 1.296e−05
0.013
0.0125
0.012
0.0115
0.011
0.0105
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

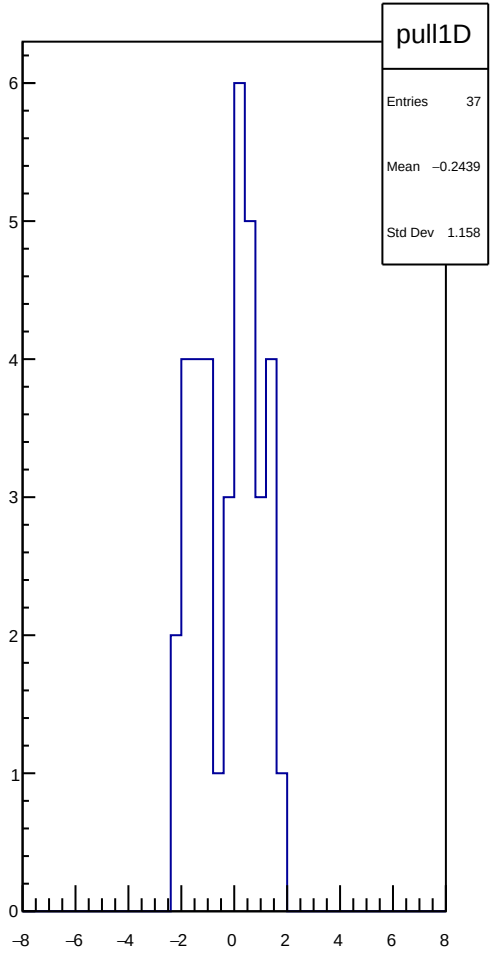

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.63 / 36
p0 0.4372 ± 0.3061
pull
Entries 37
Mean −12.9
Std Dev 0
pull1D
Entries 37
Mean 0.07876
Std Dev 1.095

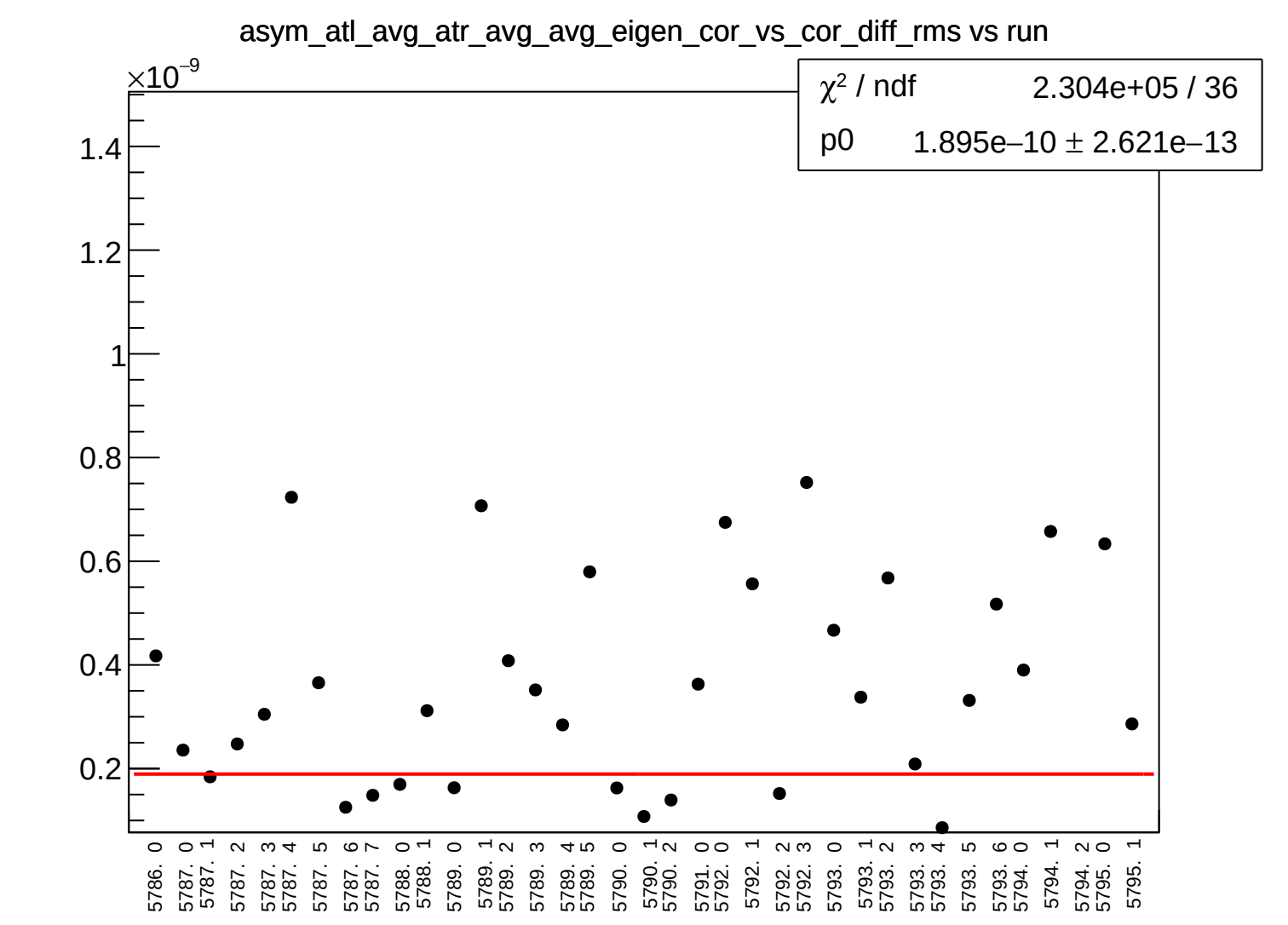

asym_atl_avg_atr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.757e+04 / 36
p0 183.1 ± 0.2165
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

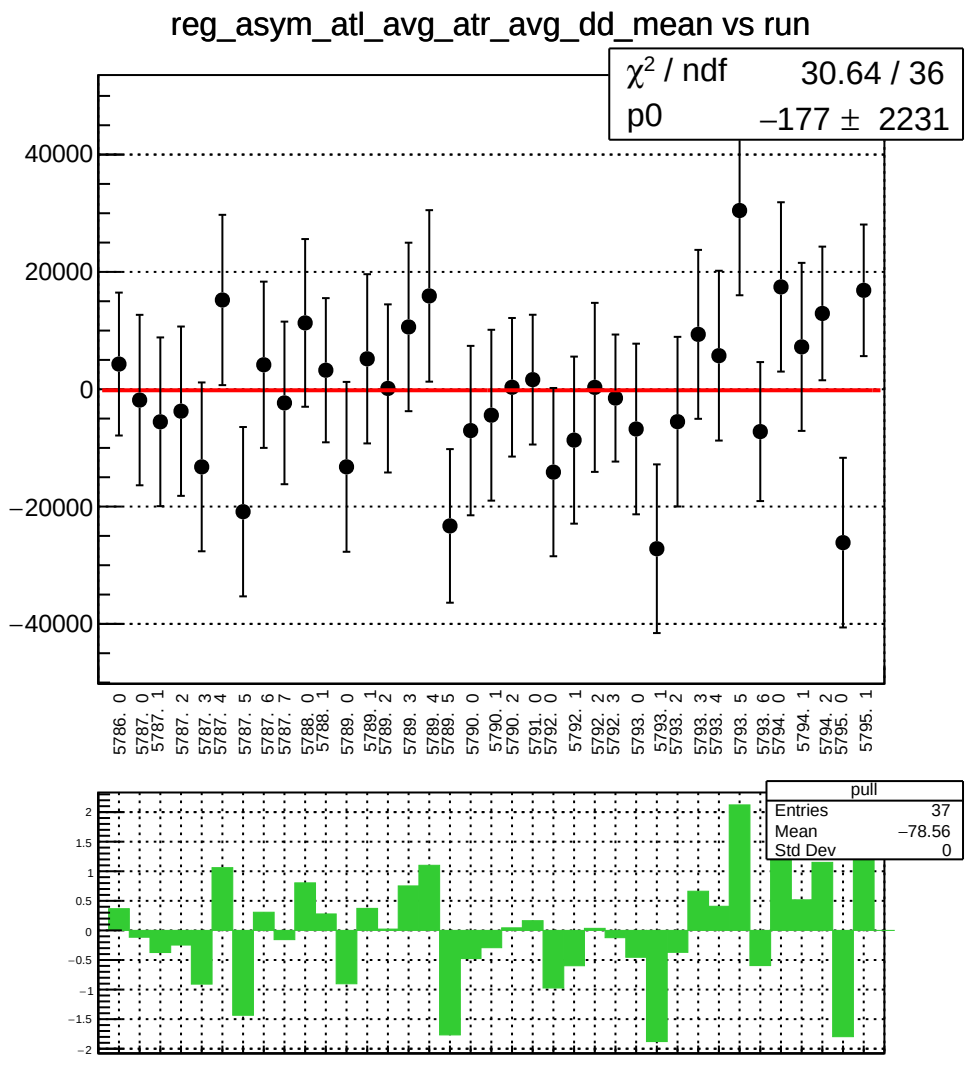

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.63 / 36
p0 0.4372 ± 0.3061
pull
Entries 37
Mean −12.9
Std Dev 0
pull1D
Entries 37
Mean 0.07876
Std Dev 1.095

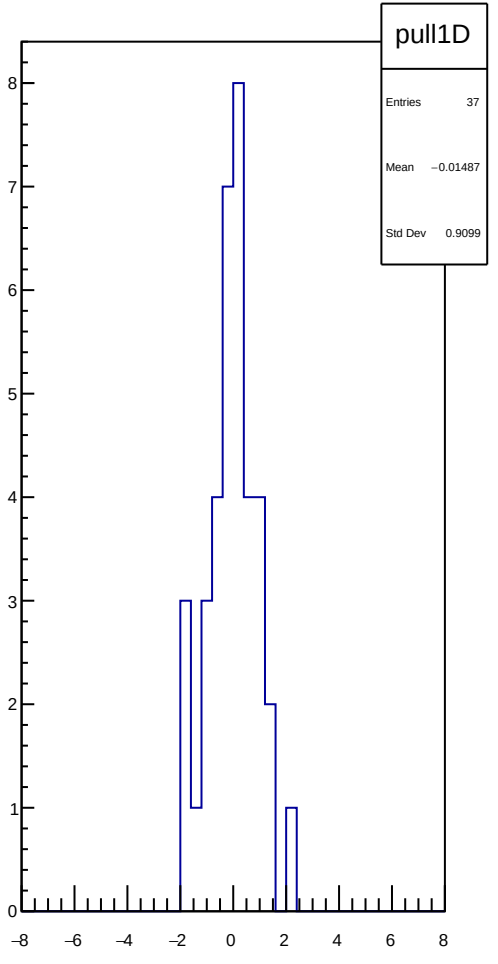

asym_atl_avg_atr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.757e+04 / 36
p0 183.1 ± 0.2165
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

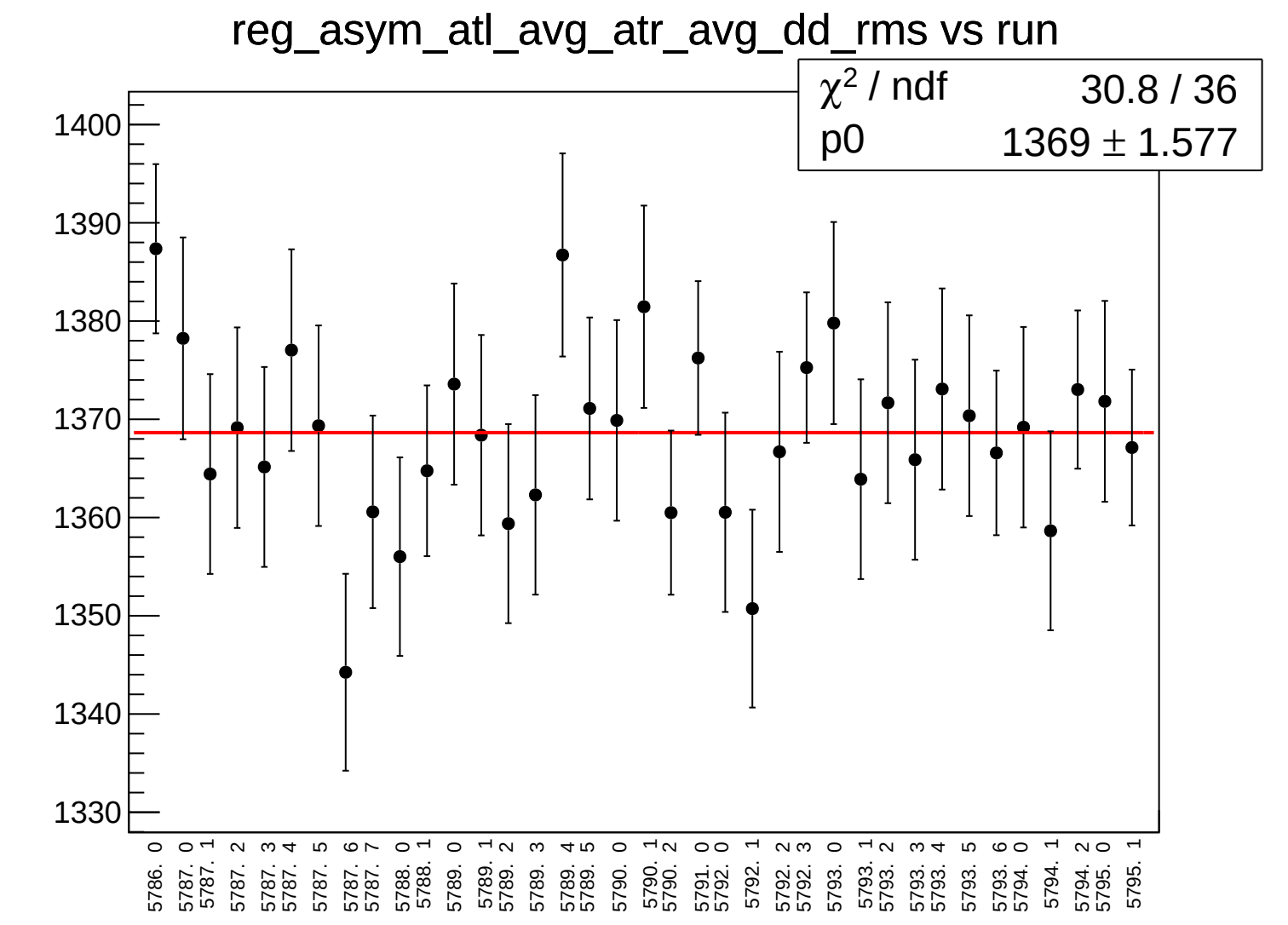

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.8 / 36
p0 −4.053e−13 ± 3.707e−13
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 9.522
Std Dev 11.47
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

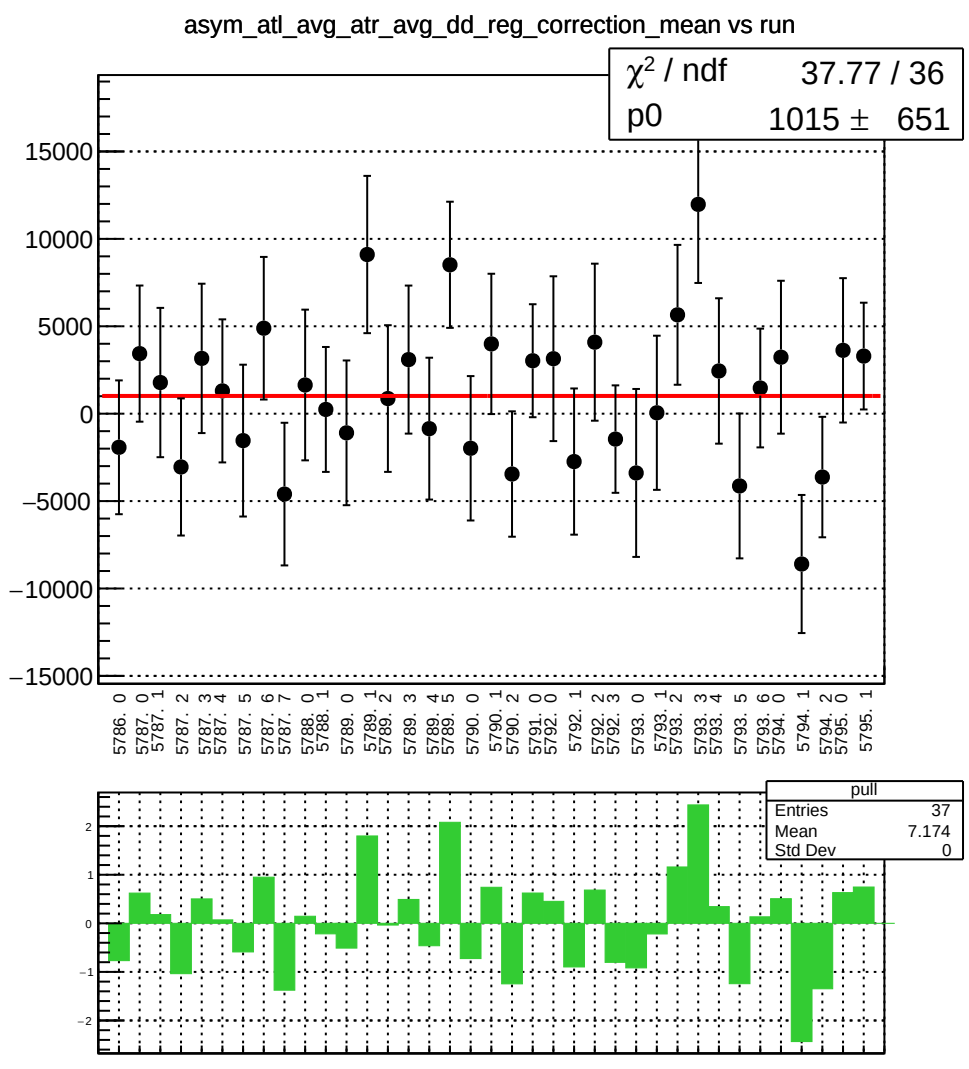

pull1D
Entries 37
Mean −0.2439
Std Dev 1.158
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

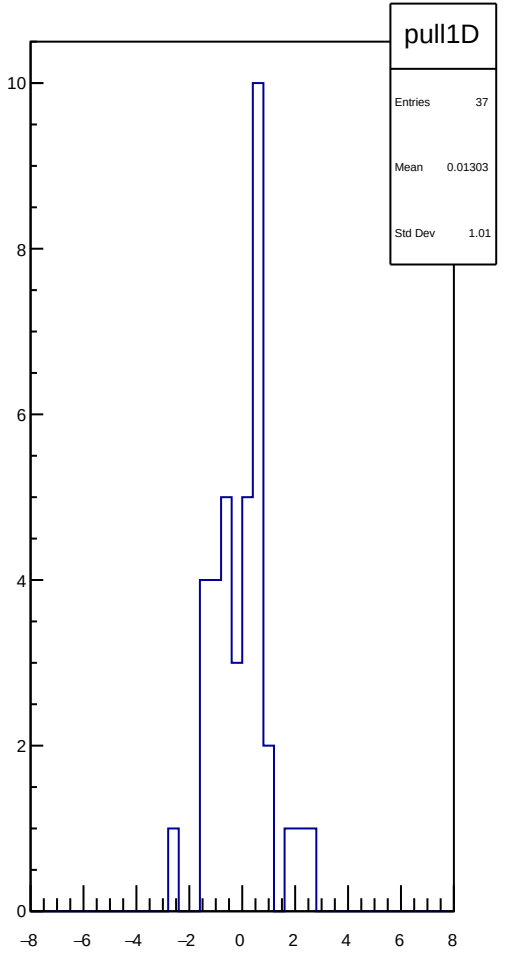

asym_atl_avg_atr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.304e+05 / 36
p0 1.895e−10 ± 2.621e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

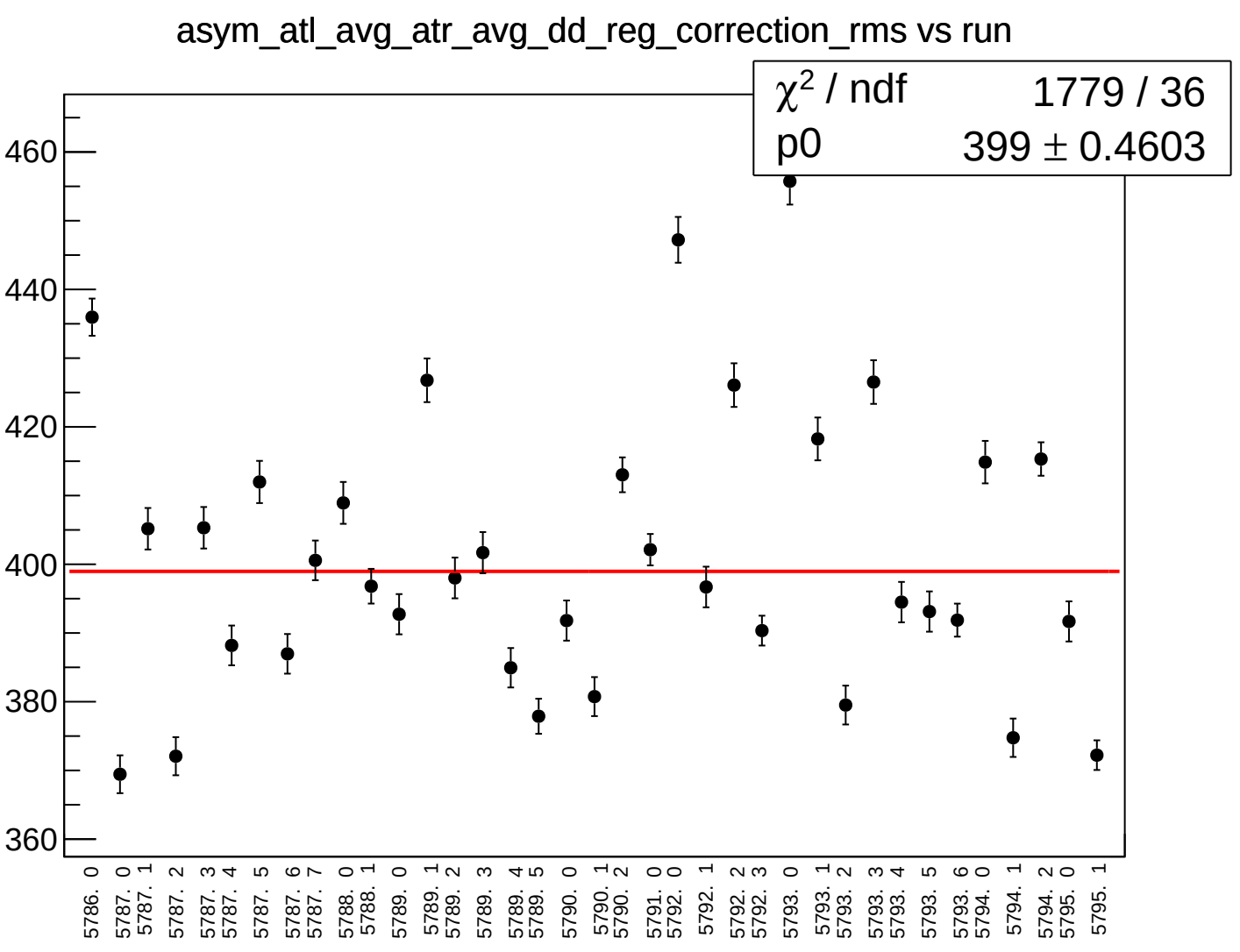

reg_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.64 / 36
p0 −177 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

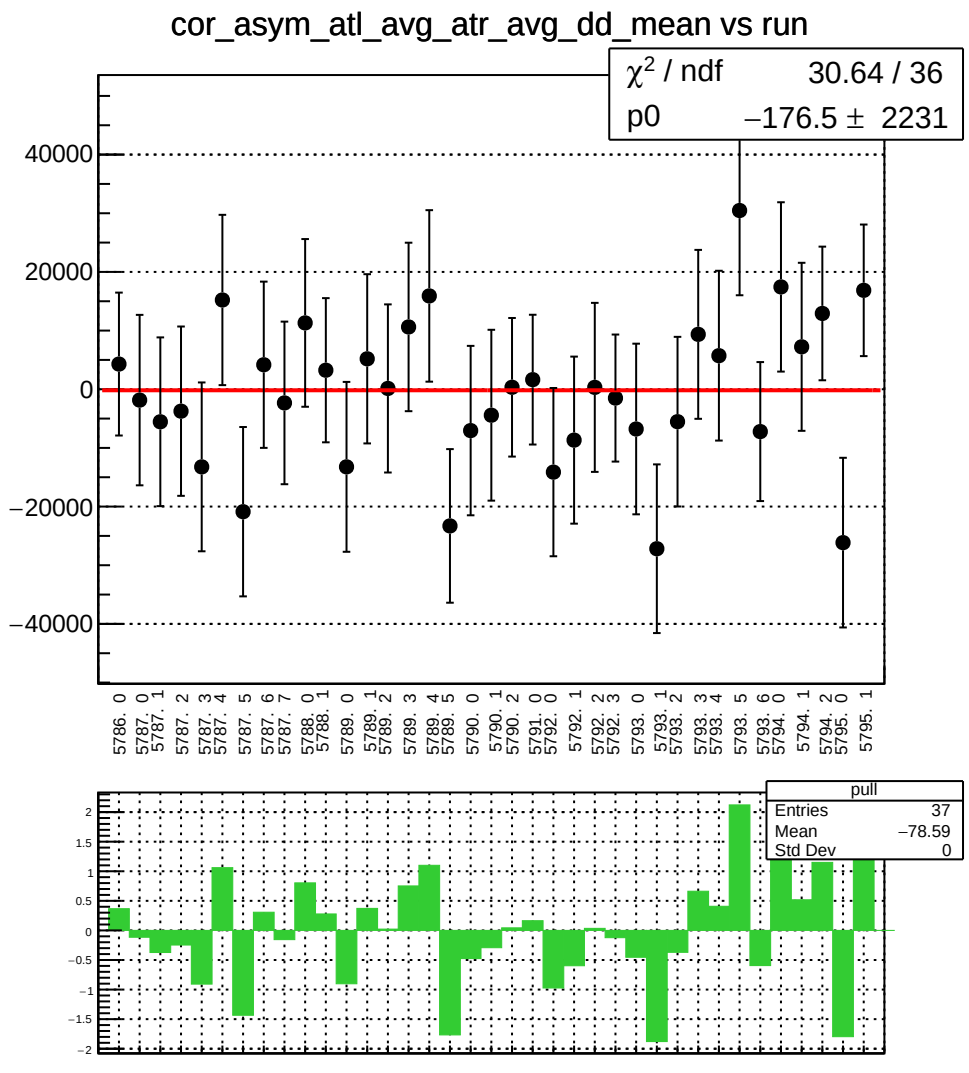

pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

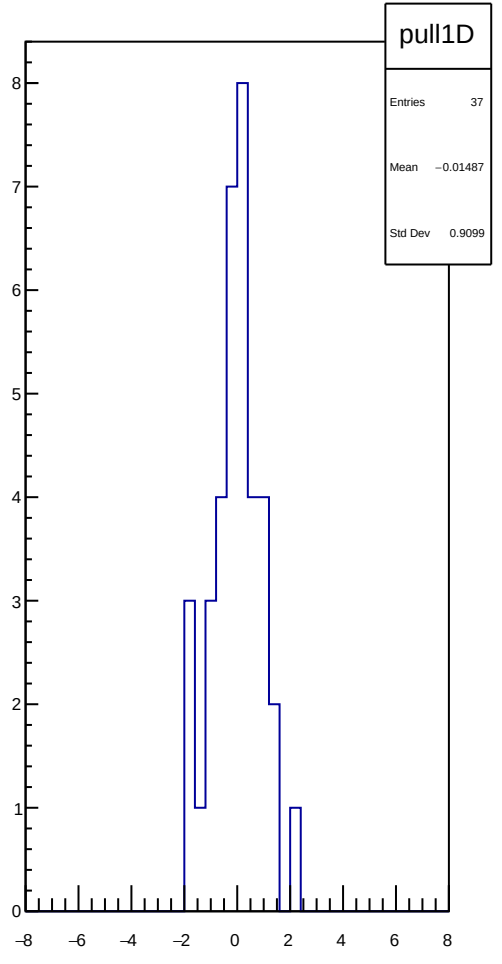

reg_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

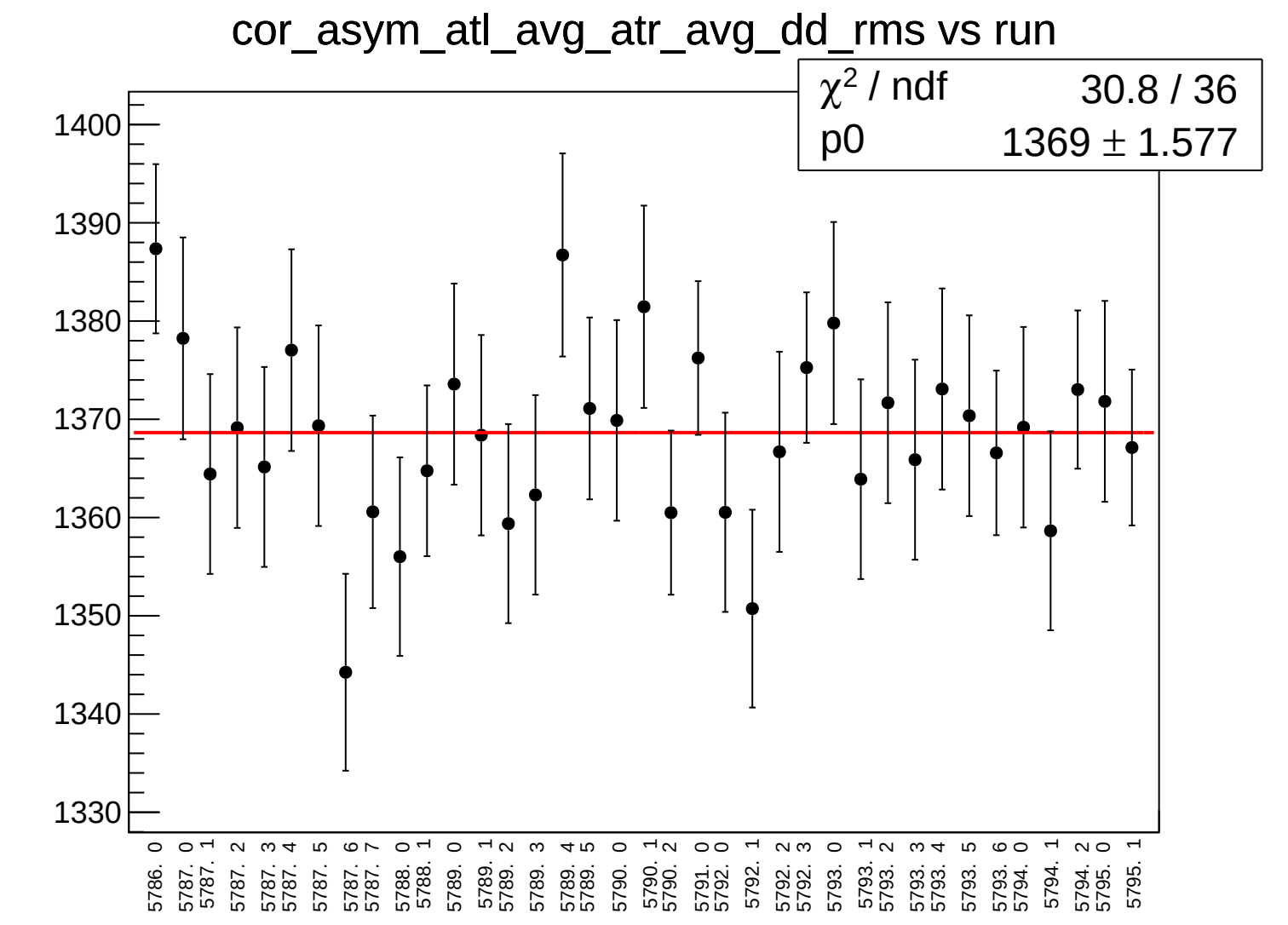

asym_atl_avg_atr_avg_dd_reg_correction_mean vs run
χ² / ndf 37.77 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.174
Std Dev 0
2
1
0
−1
−2

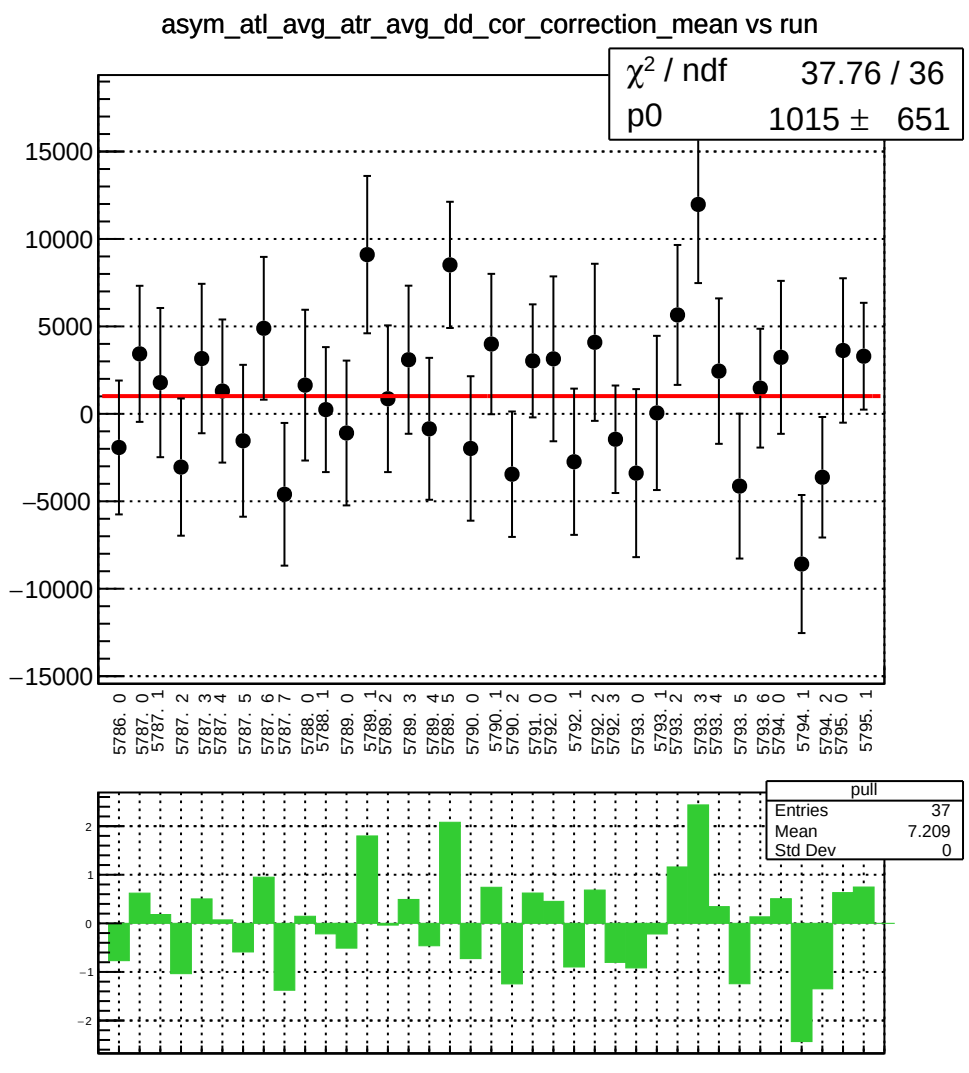

pull1D
Entries 37
Mean 0.01303
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

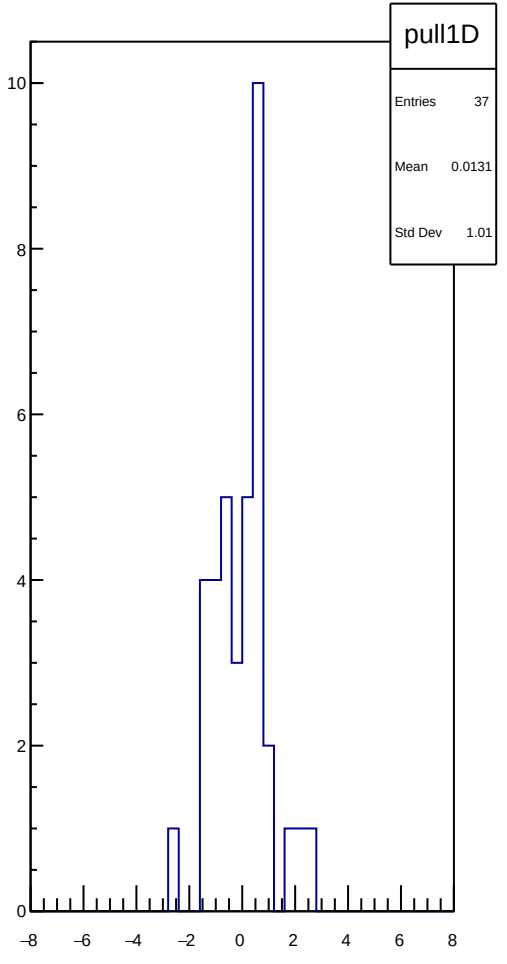

asym_atl_avg_atr_avg_dd_reg_correction_rms vs run
χ² / ndf 1779 / 36
p0 399 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

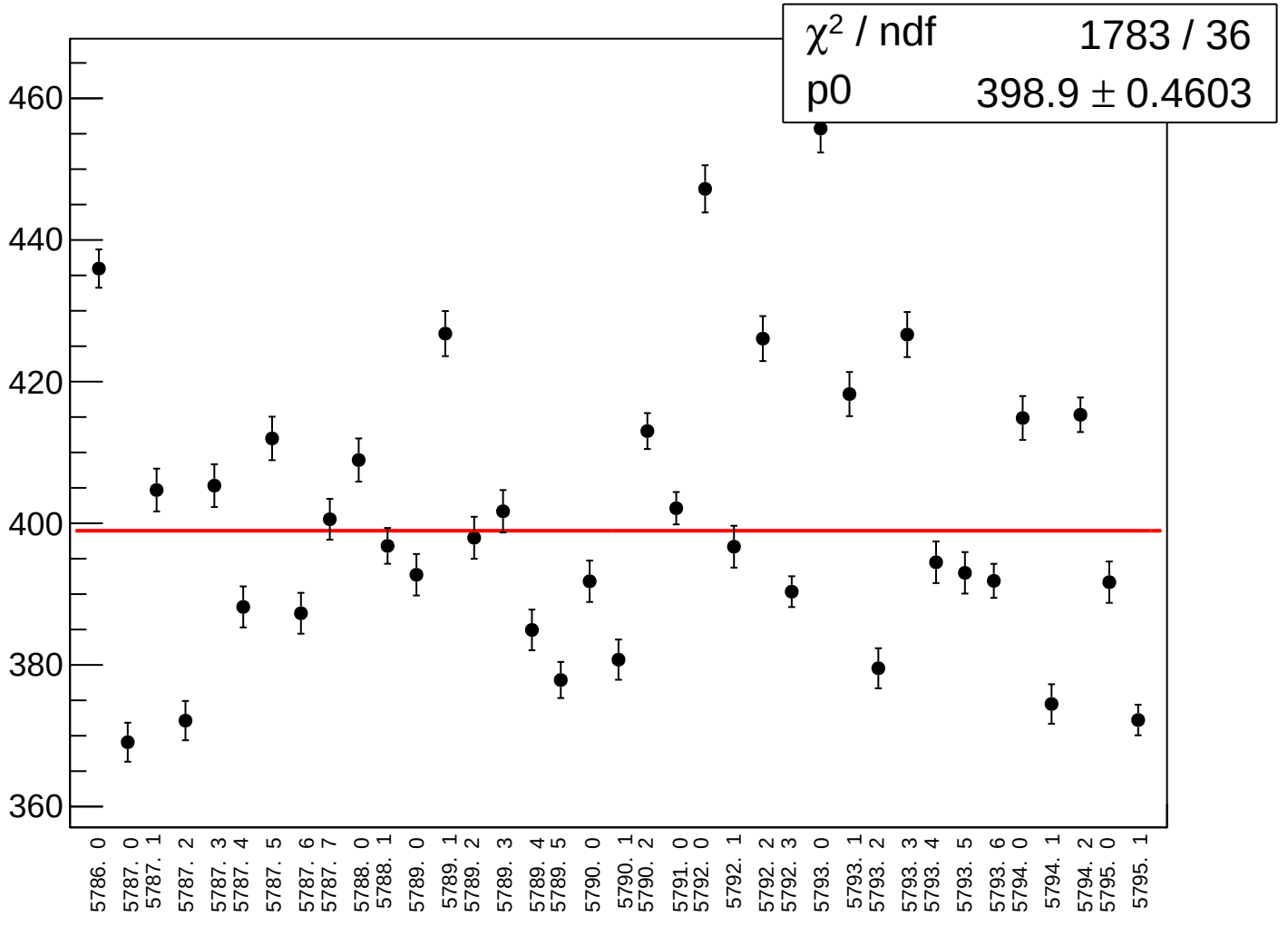

cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.64 / 36
p0 −176.5 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_atr_avg_dd_cor_correction_mean vs run
χ² / ndf 37.76 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.209
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0131
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_cor_correction_rms vs run
χ² / ndf 1783 / 36
p0 398.9 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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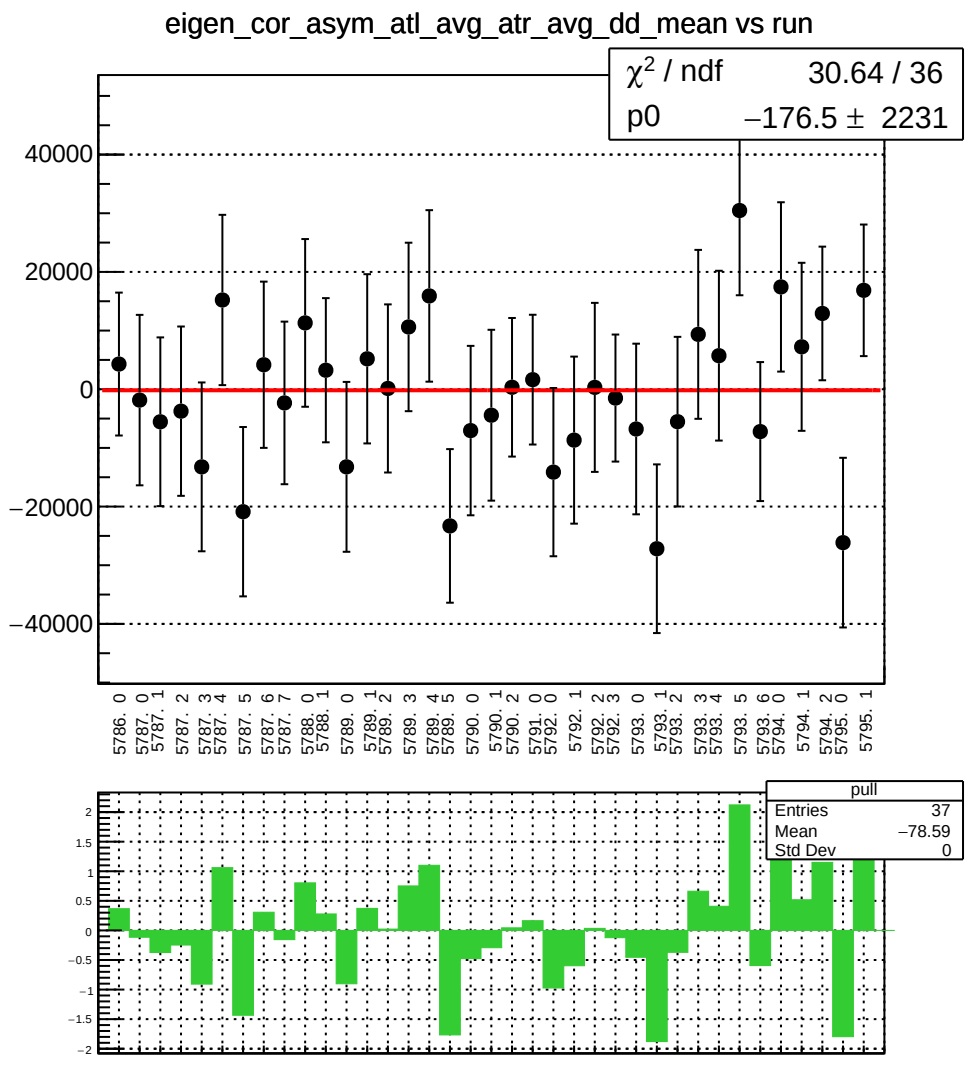
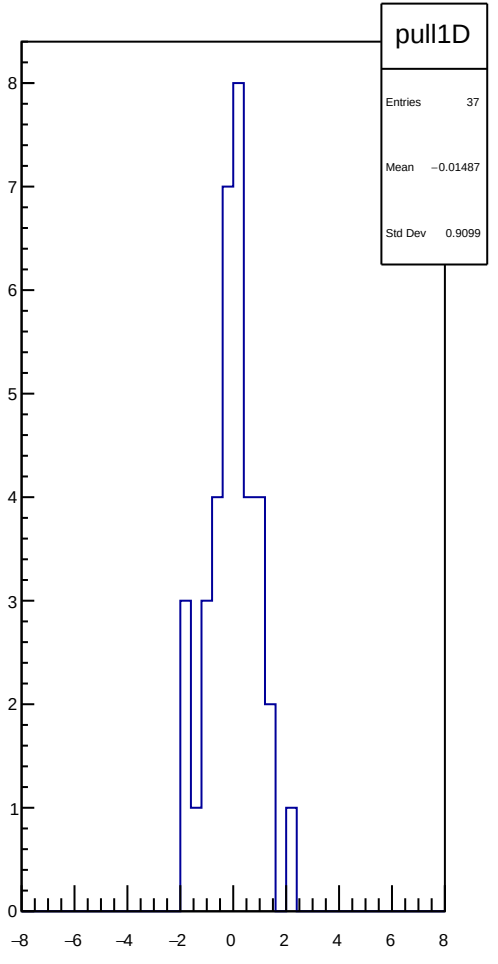
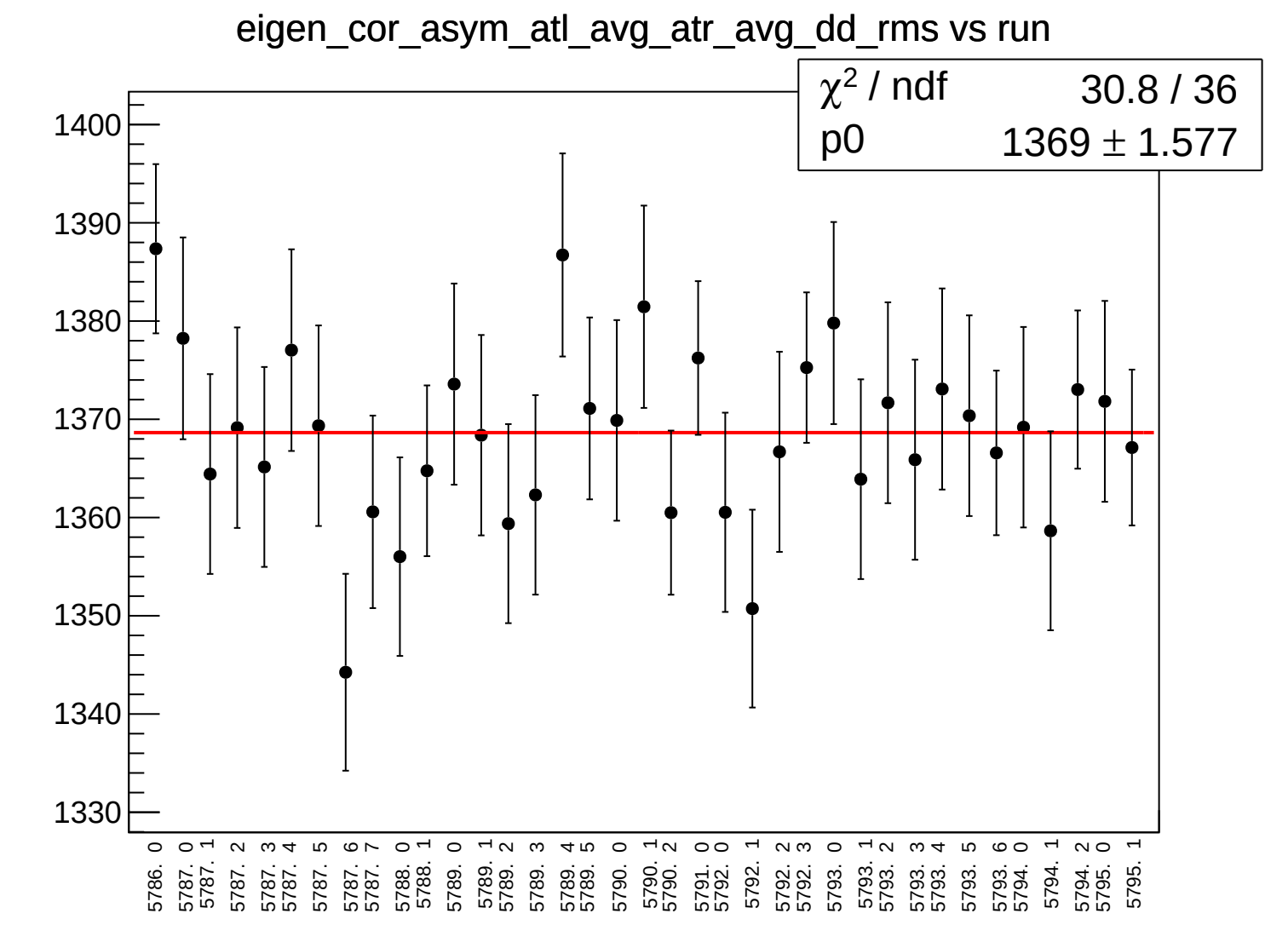
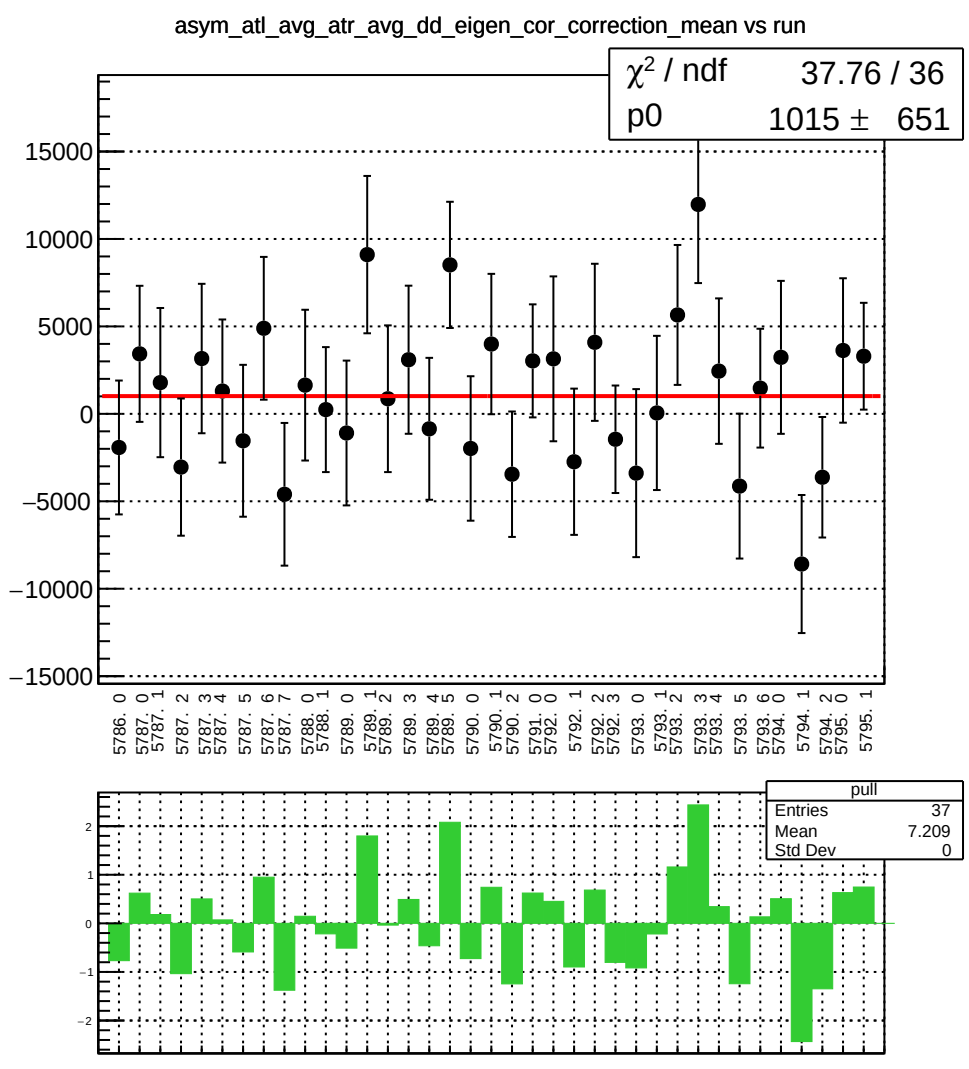
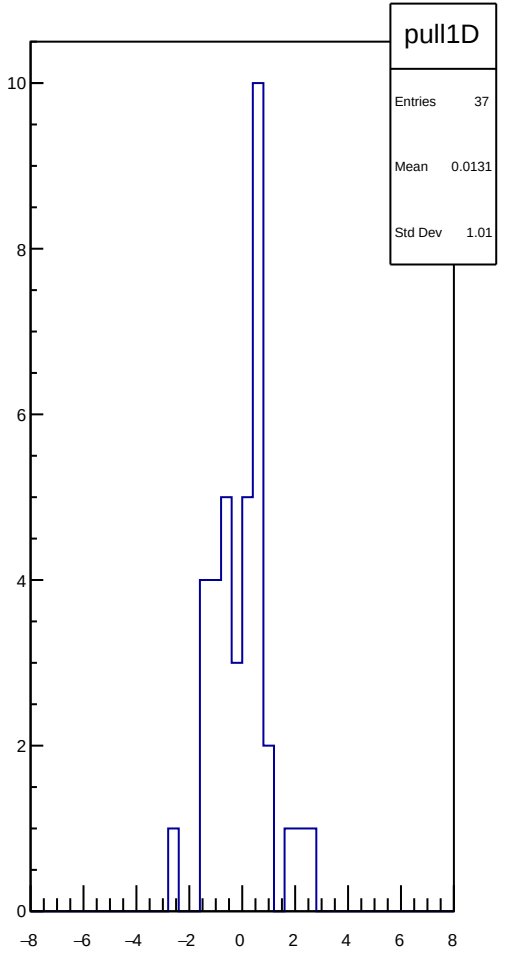
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.64 / 36
p0 −176.5 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_atr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 37.76 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.209
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0131
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
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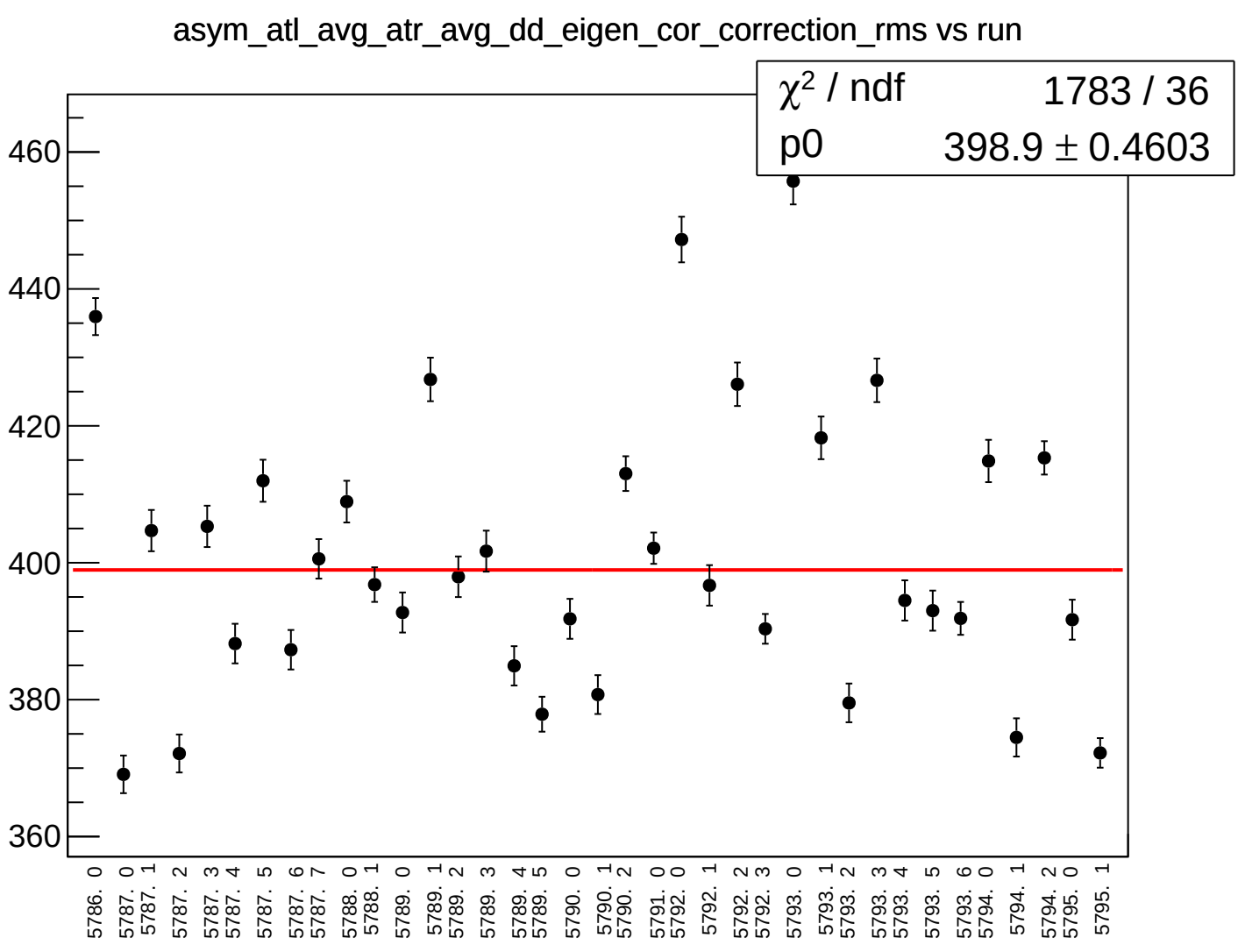
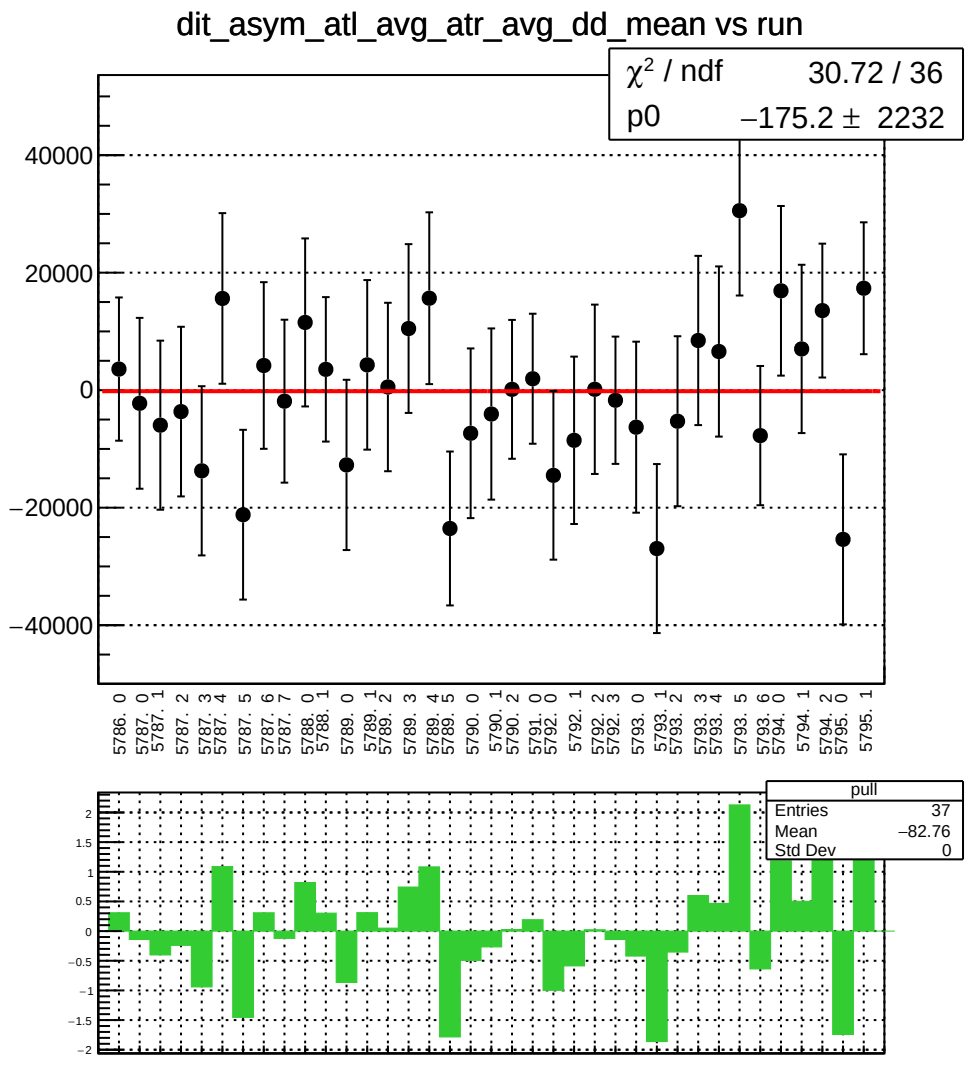
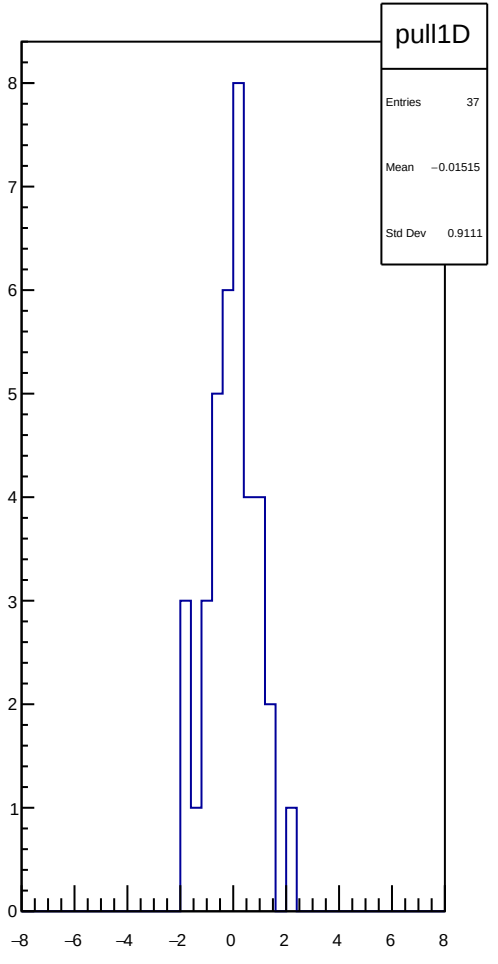
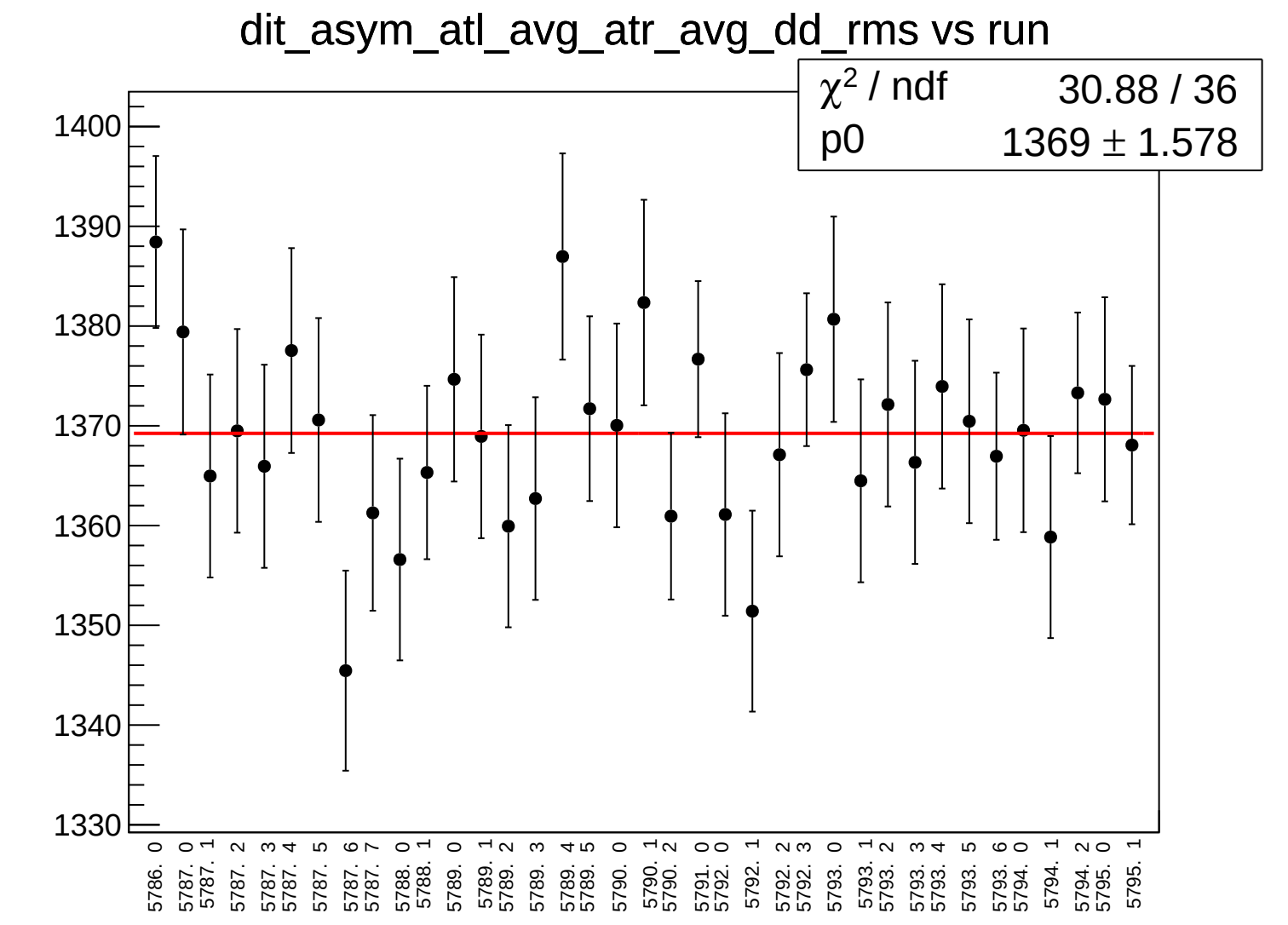
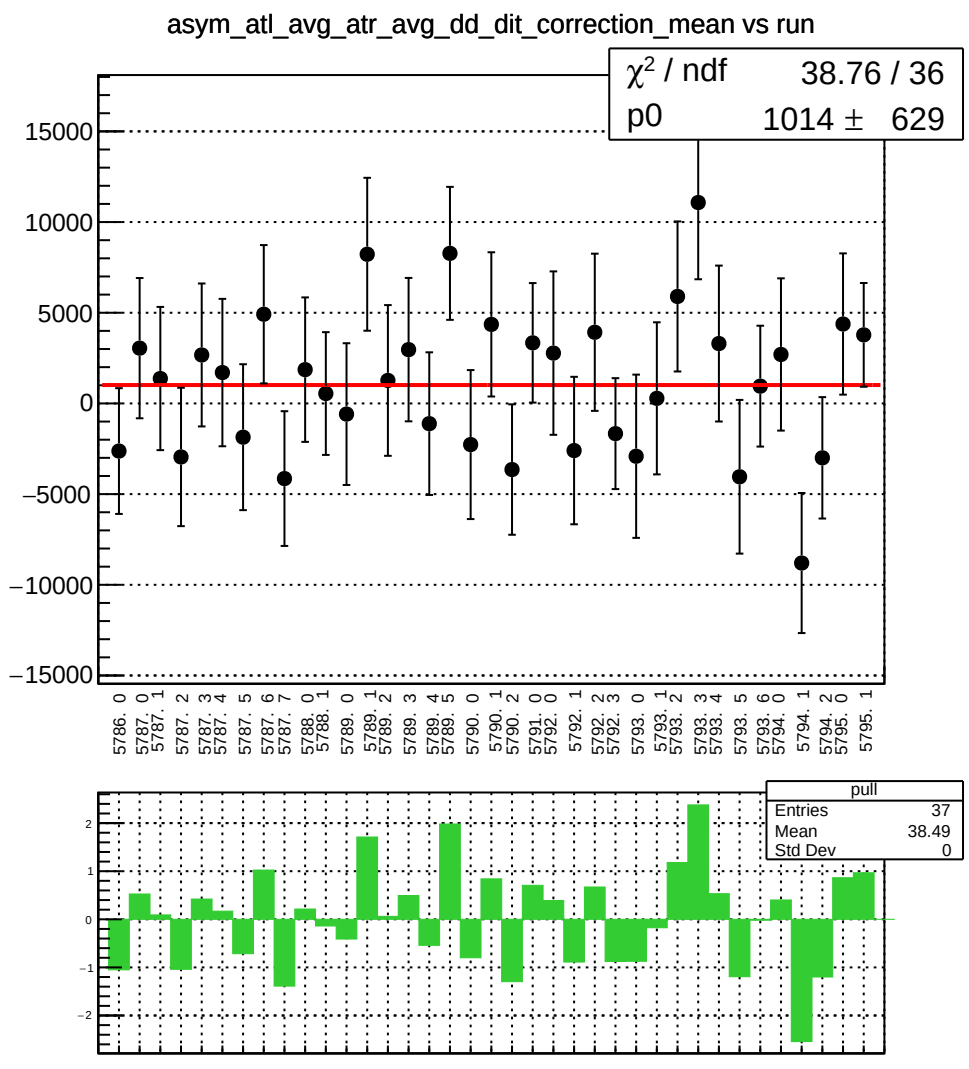
2
4
6
8


asym_atl_avg_atr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 1783 / 36
p0 398.9 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.72 / 36
p0 −175.2 ± 2232
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01515
Std Dev 0.9111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 30.88 / 36
p0 1369 ± 1.578
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl_avg_atr_avg_dd_dit_correction_mean vs run
χ² / ndf 38.76 / 36
p0 1014 ± 629
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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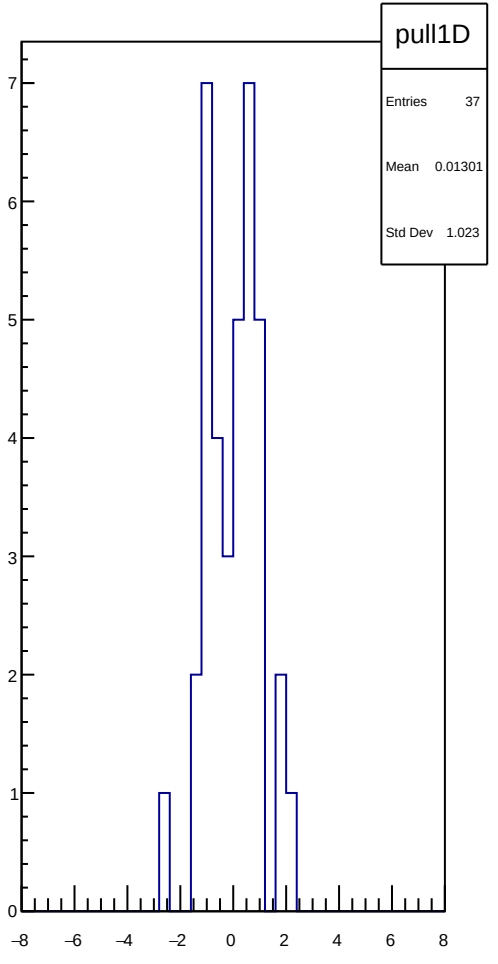
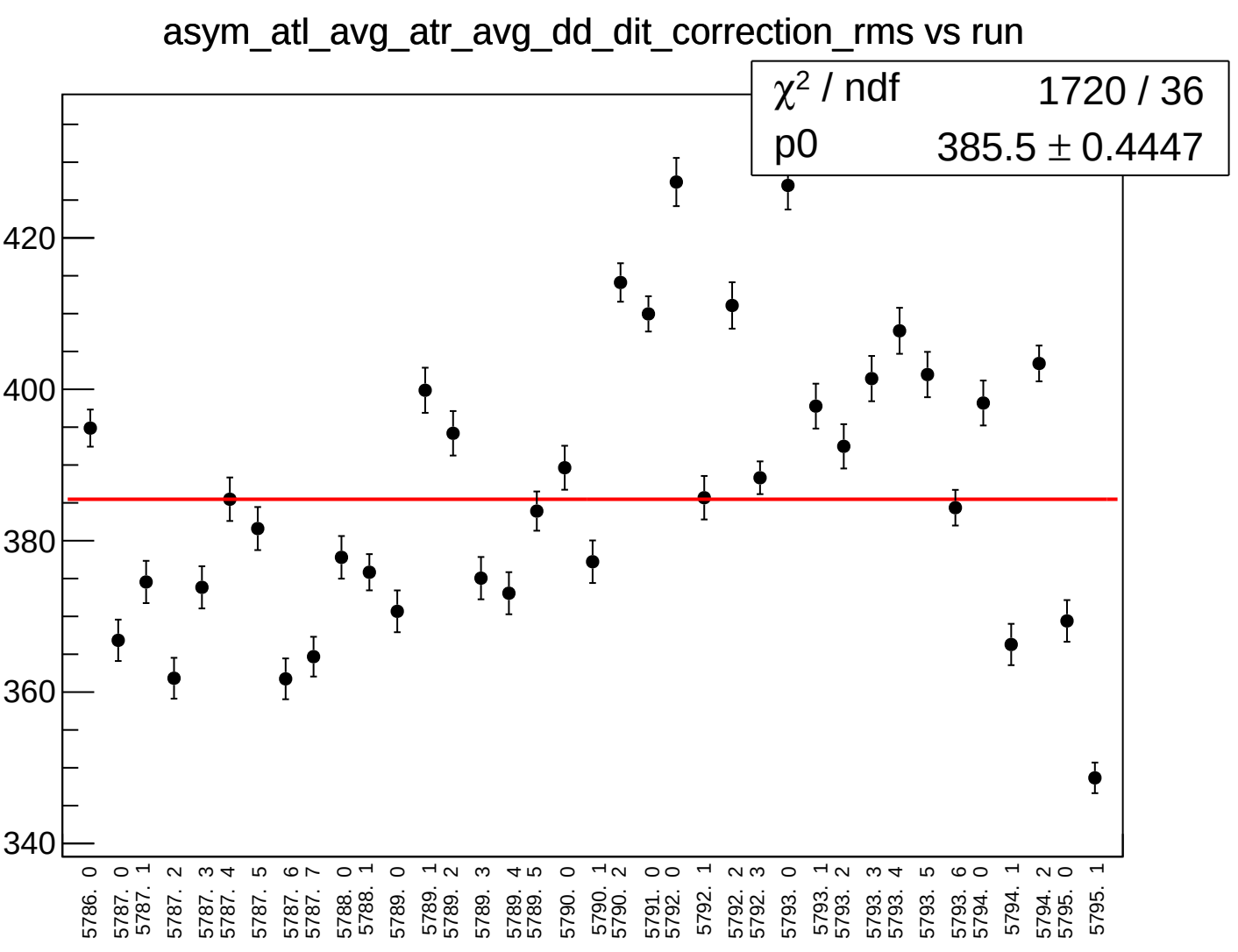
5795. 0
5795. 1
pull
Entries 37
Mean 38.49
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01301
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl_avg_atr_avg_dd_dit_correction_rms vs run
χ² / ndf 1720 / 36
p0 385.5 ± 0.4447
420
400
380
360
340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 2
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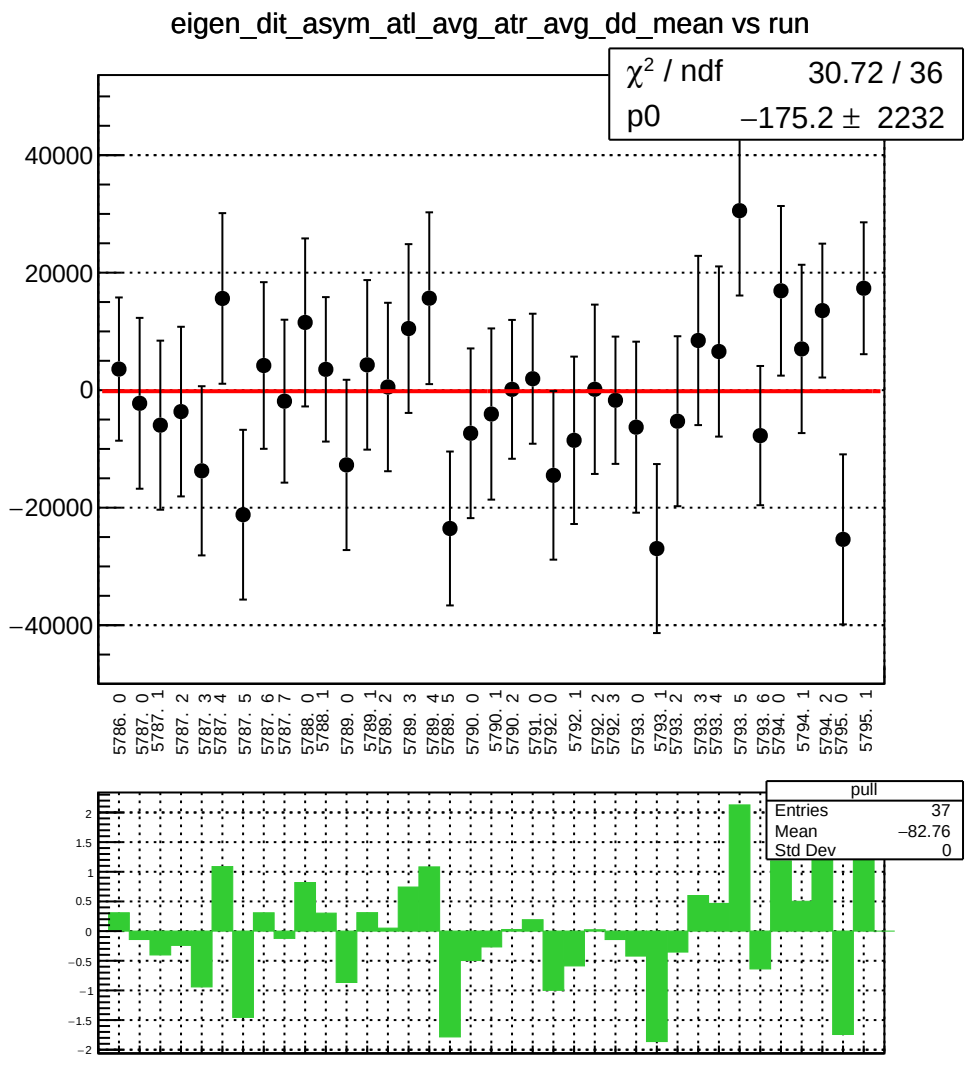
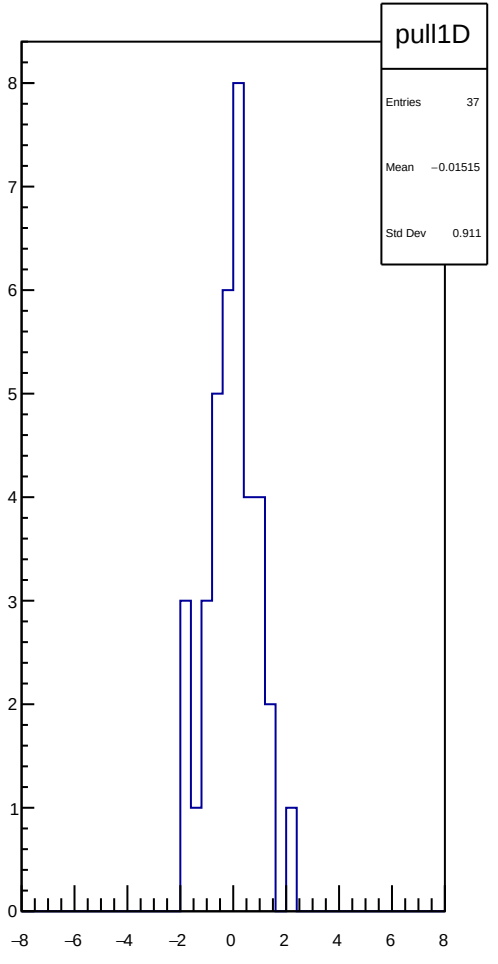
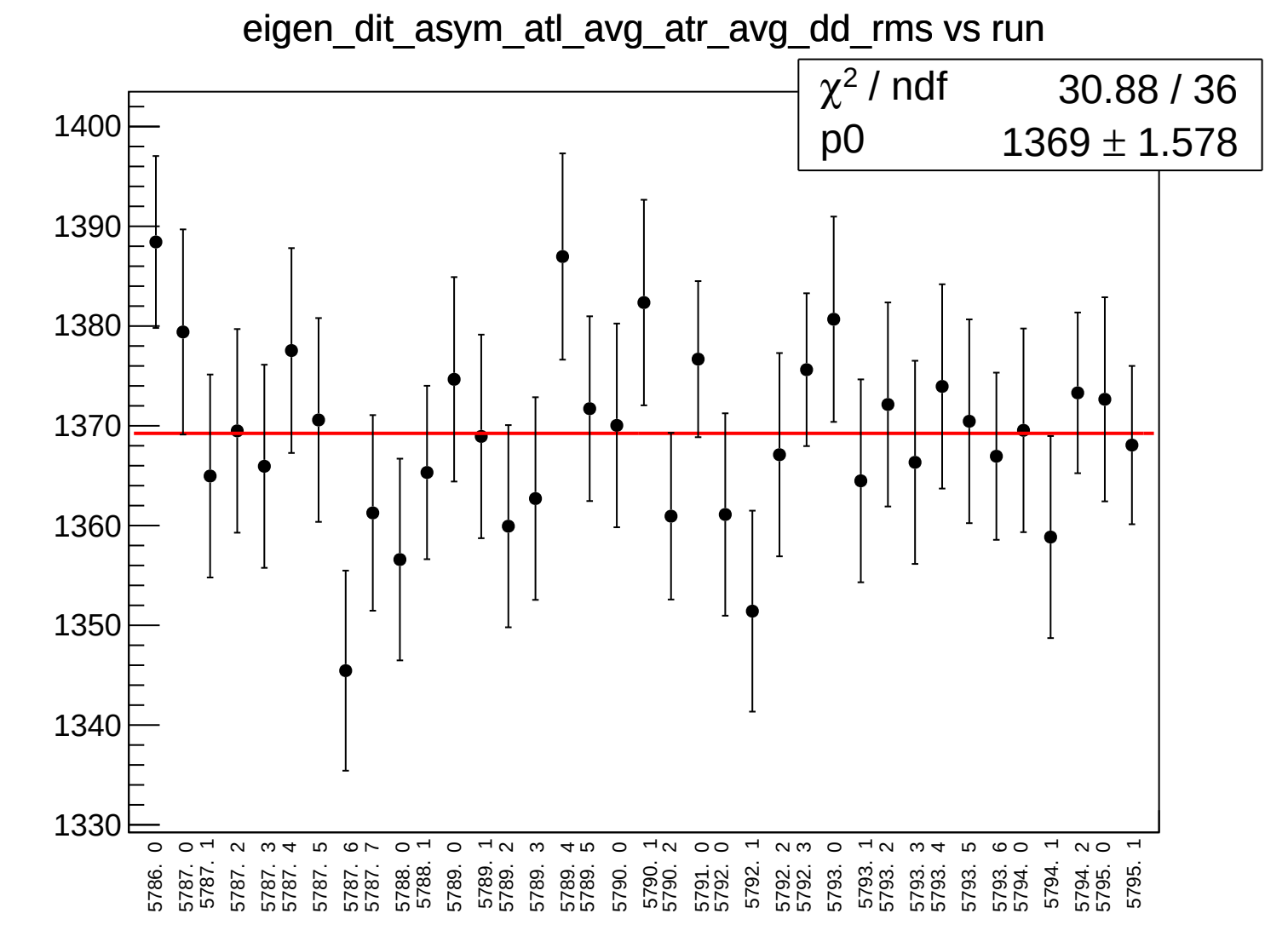
5795. 1


eigen_dit_asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 30.72 / 36
p0 −175.2 ± 2232
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01515
Std Dev 0.911
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 30.88 / 36
p0 1369 ± 1.578
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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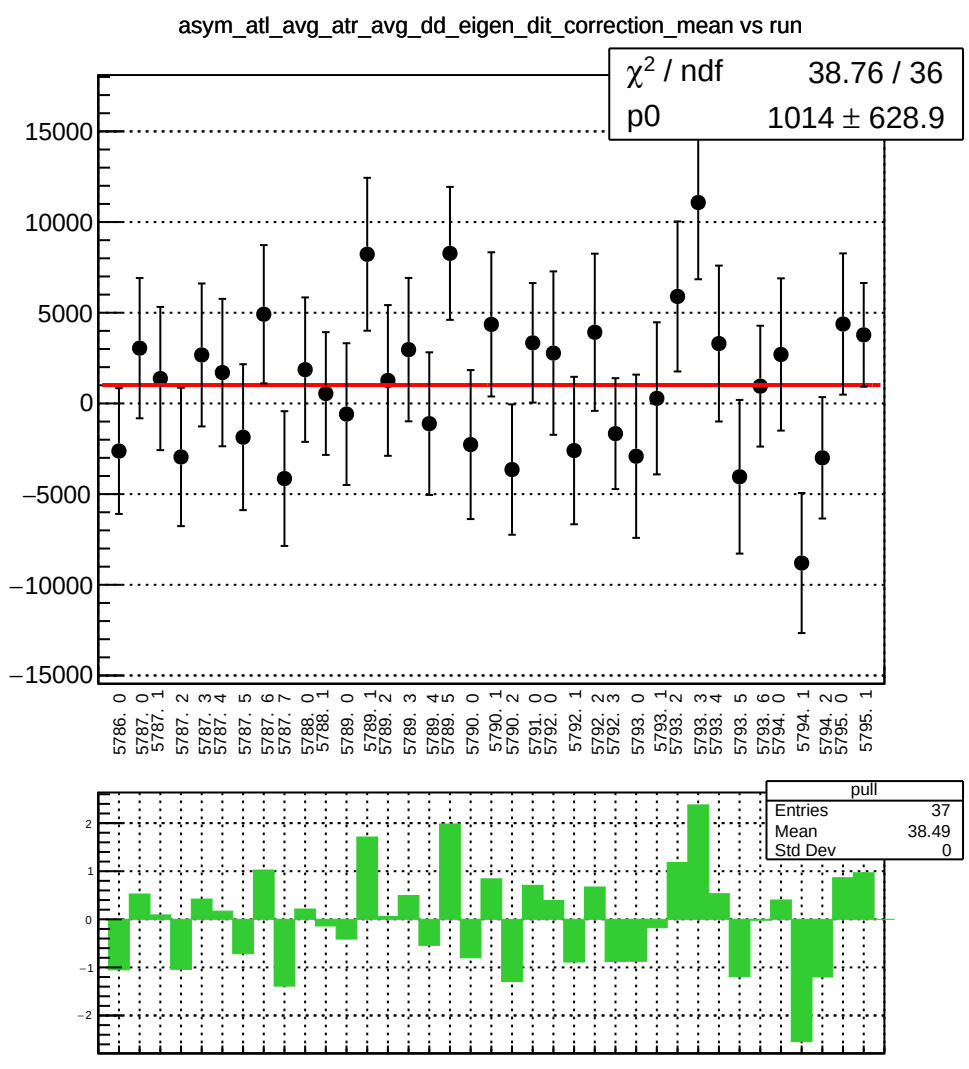
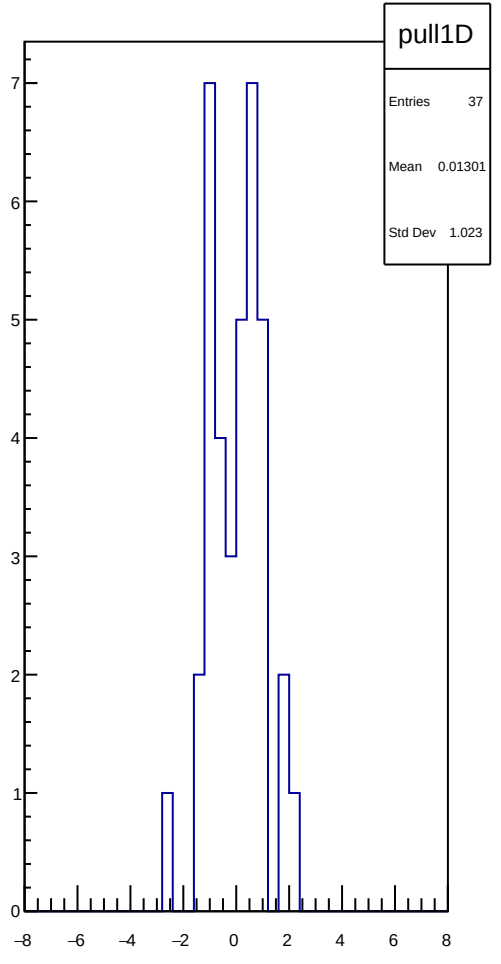
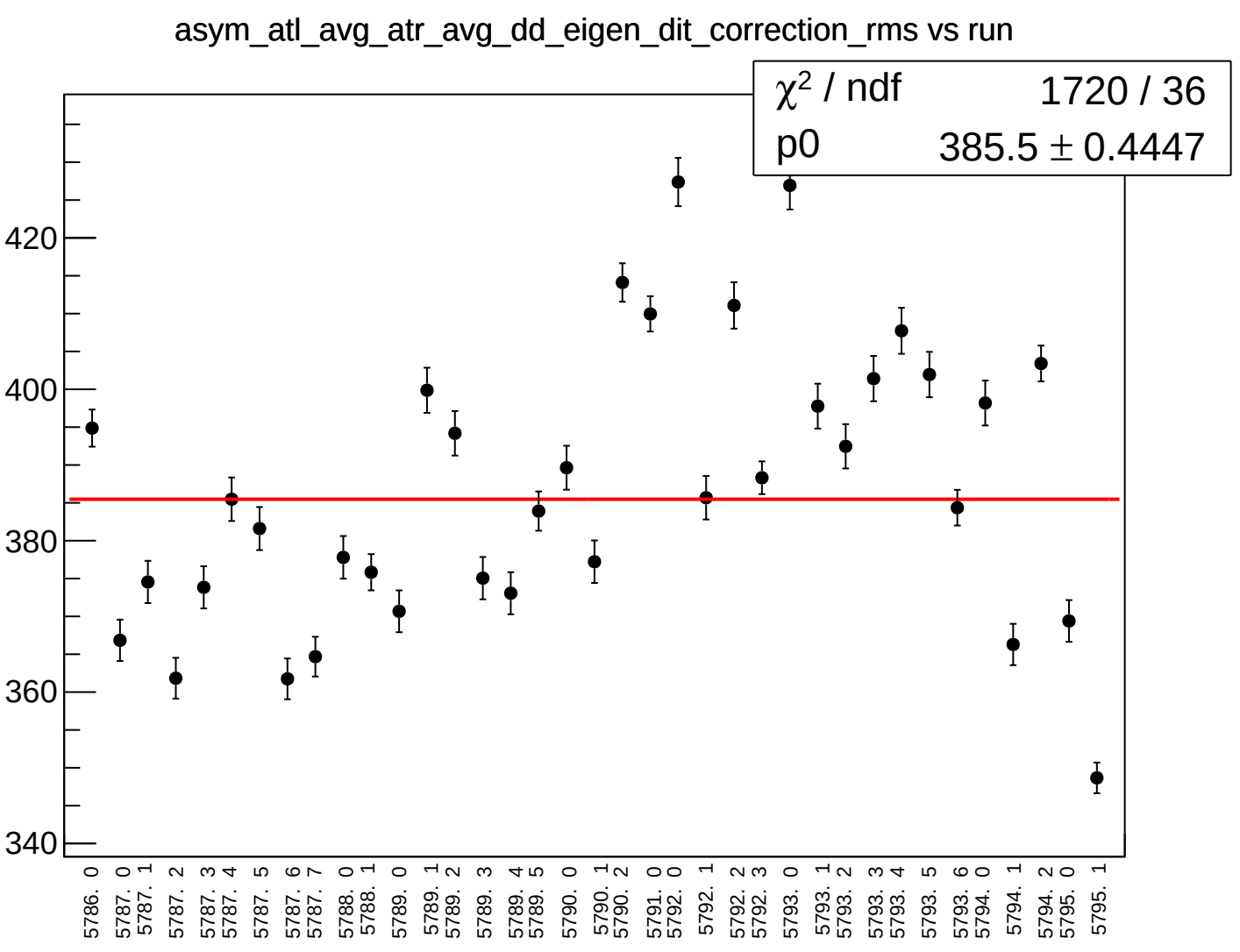
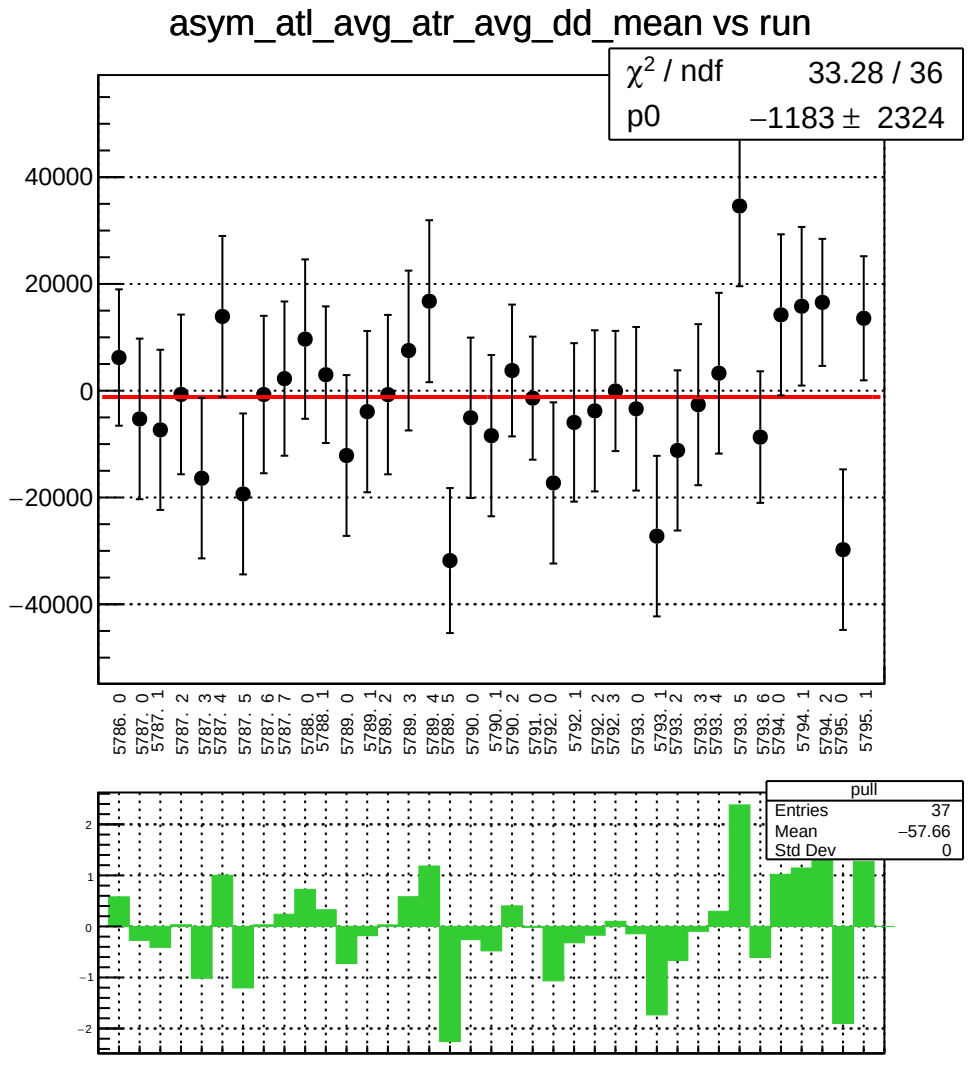
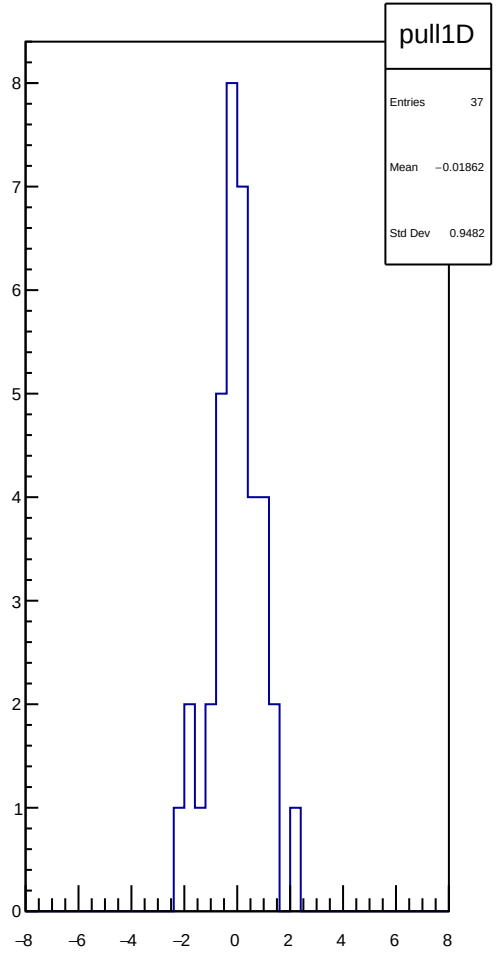
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

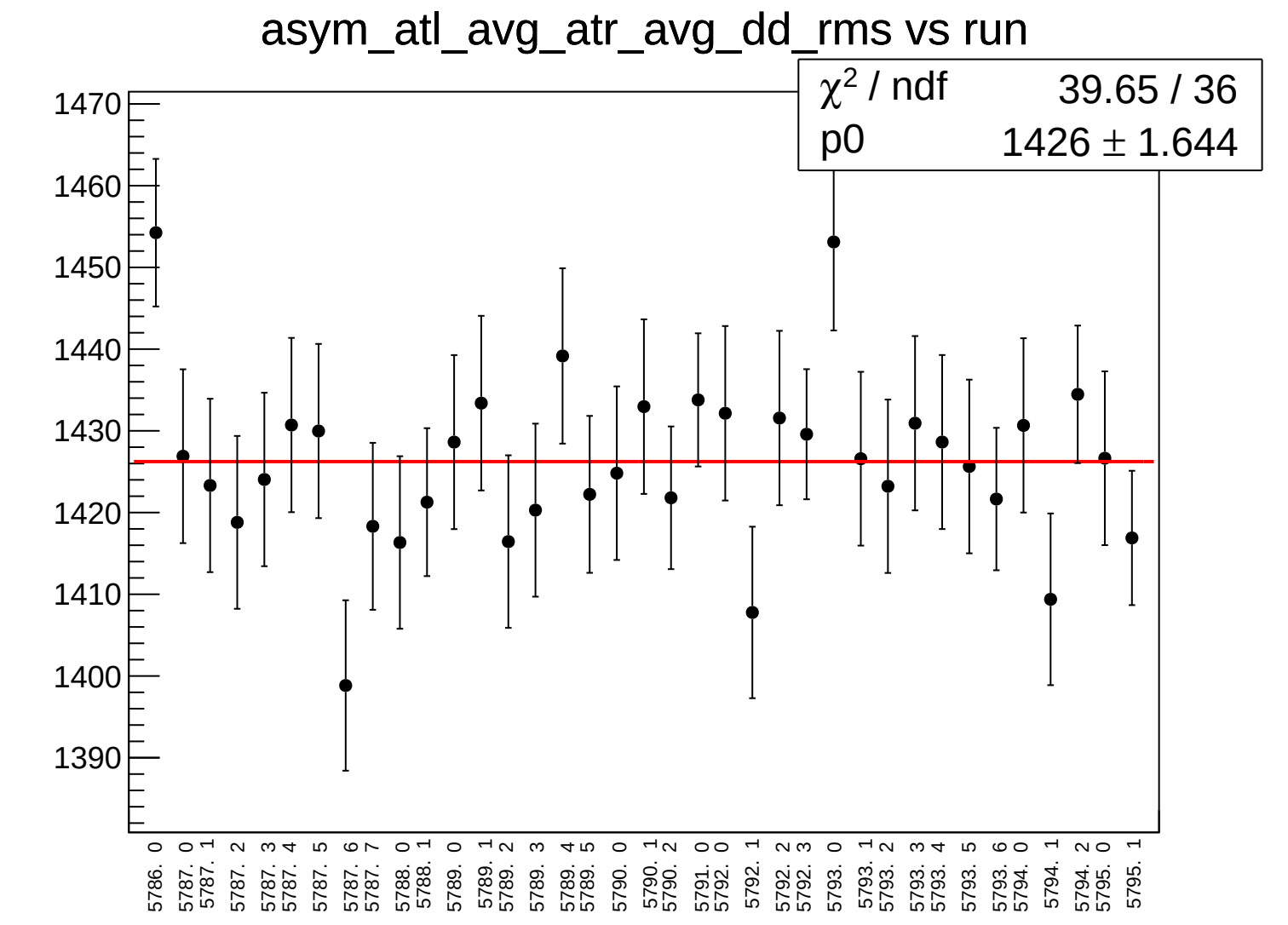

asym_atl_avg_atr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 38.76 / 36
p0 1014 ± 628.9
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.49
Std Dev 0
2
1
0
−1
−2

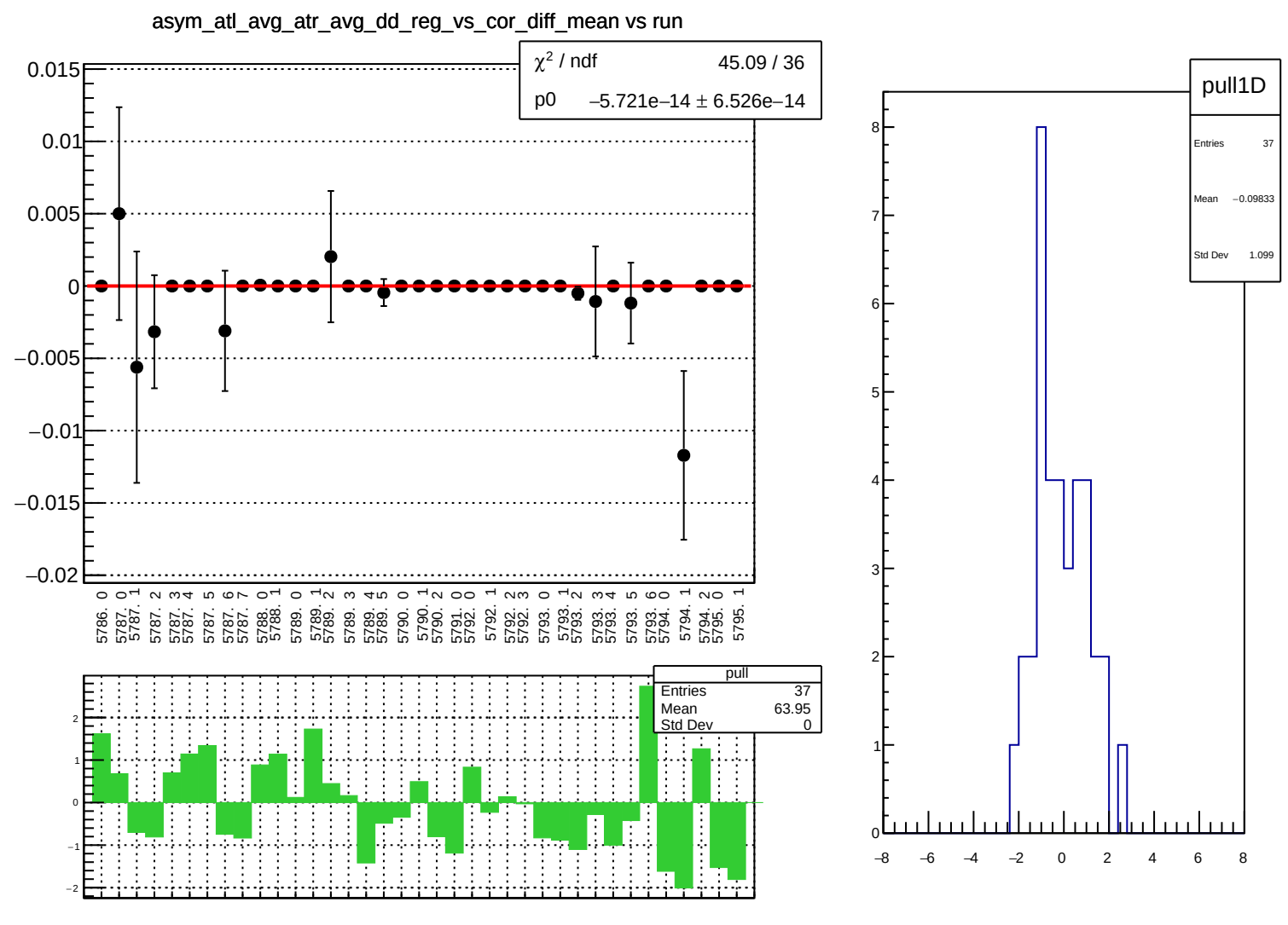

pull1D
Entries 37
Mean 0.01301
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

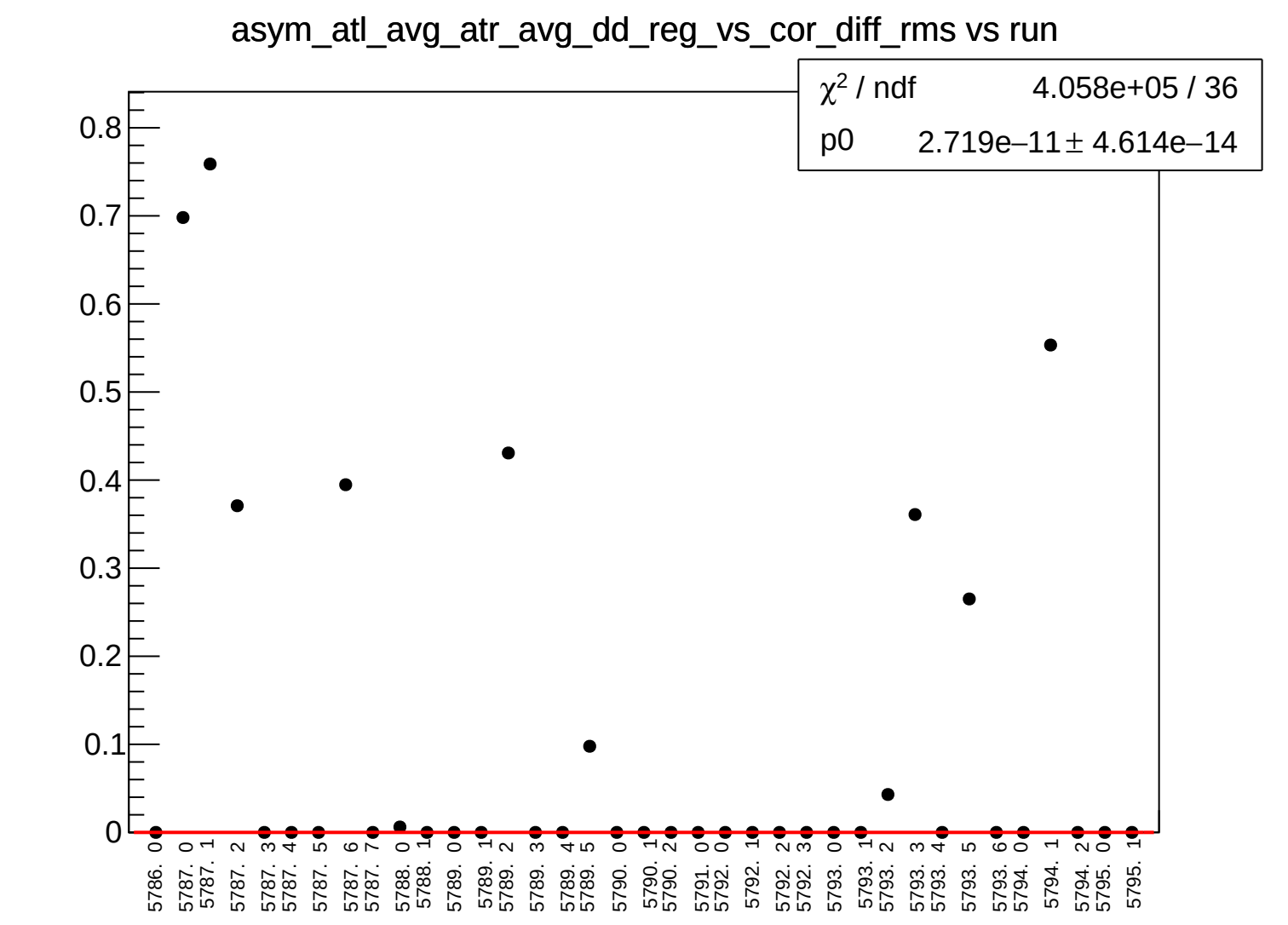

asym_atl_avg_atr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1720 / 36
p0 385.5 ± 0.4447
420
400
380
360
340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

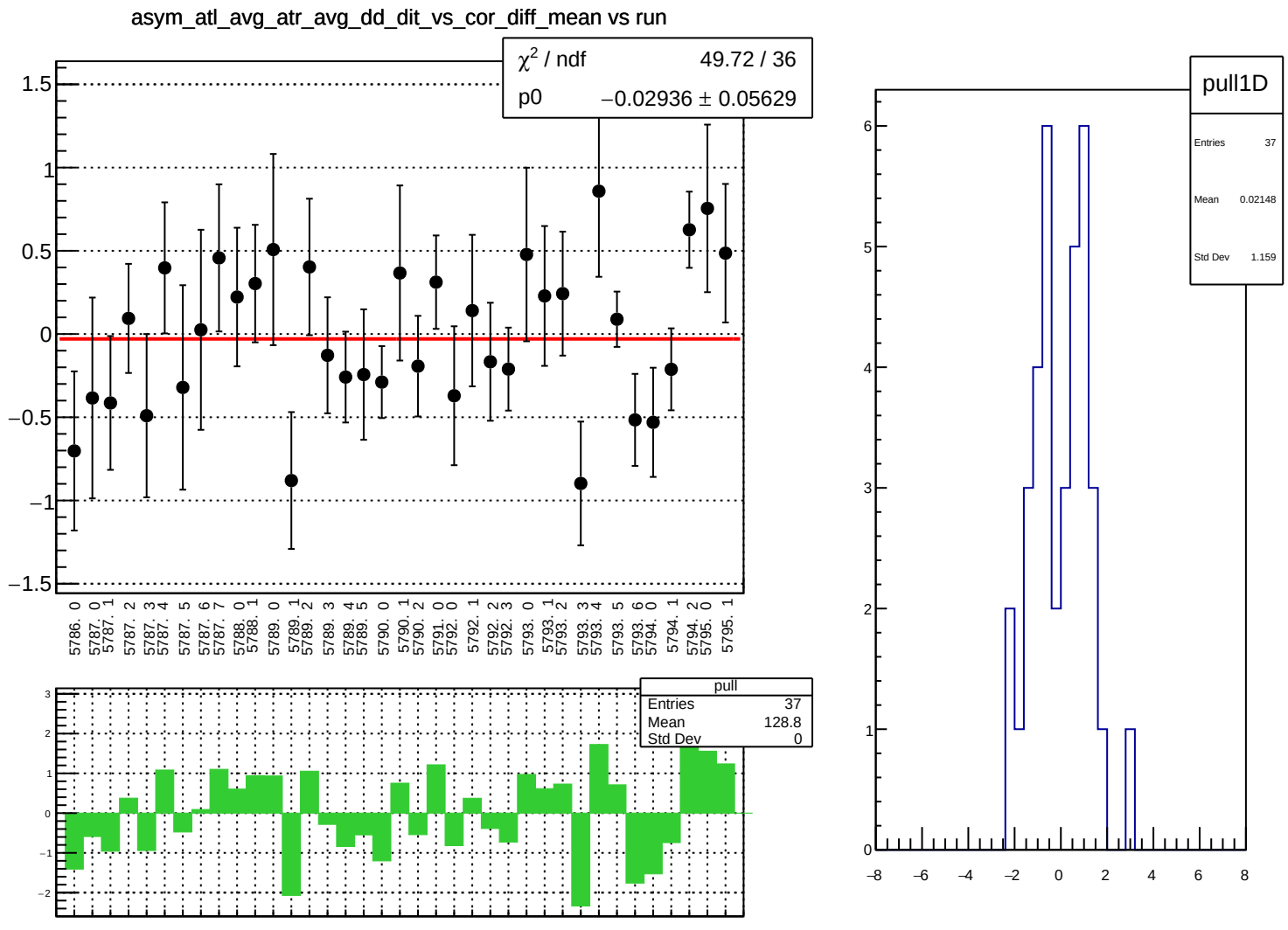

asym_atl_avg_atr_avg_dd_mean vs run
χ² / ndf 33.28 / 36
p0 −1183 ± 2324
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.66
Std Dev 0
2
1
0
−1
−2

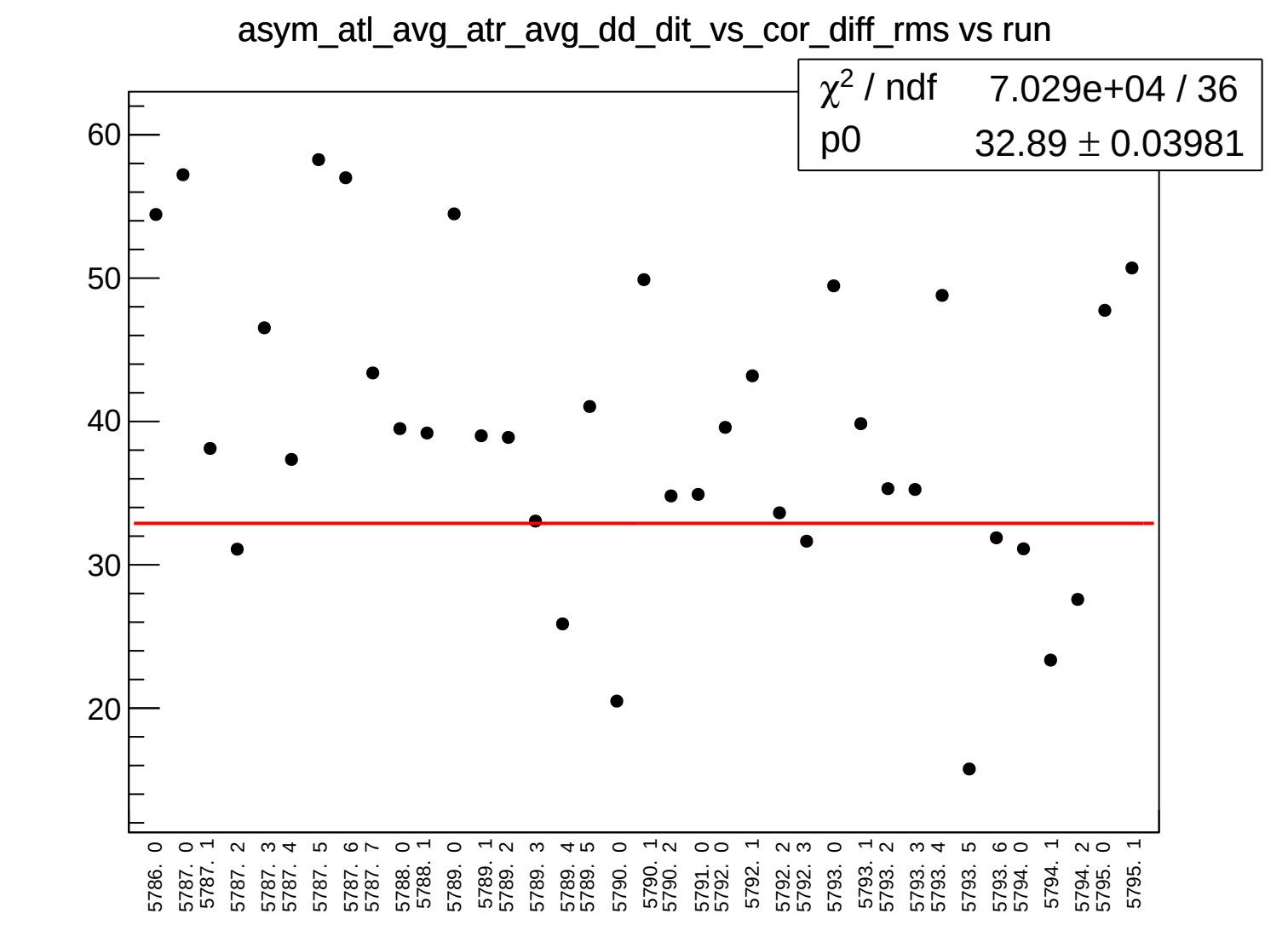

pull1D
Entries 37
Mean −0.01862
Std Dev 0.9482
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

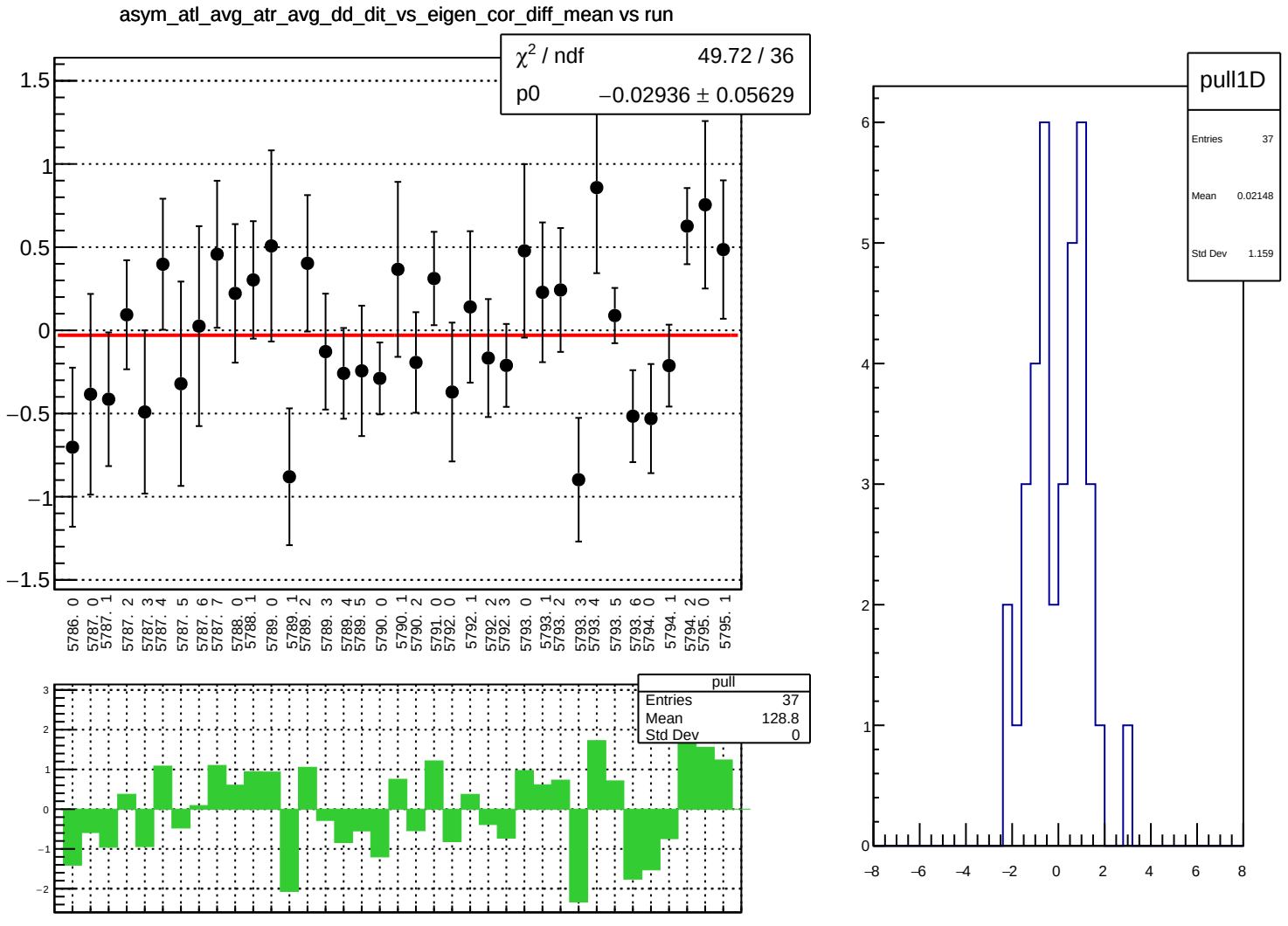

asym_atl_avg_atr_avg_dd_rms vs run
χ² / ndf 39.65 / 36
p0 1426 ± 1.644
1470
1460
1450
1440
1430
1420
1410
1400
1390
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

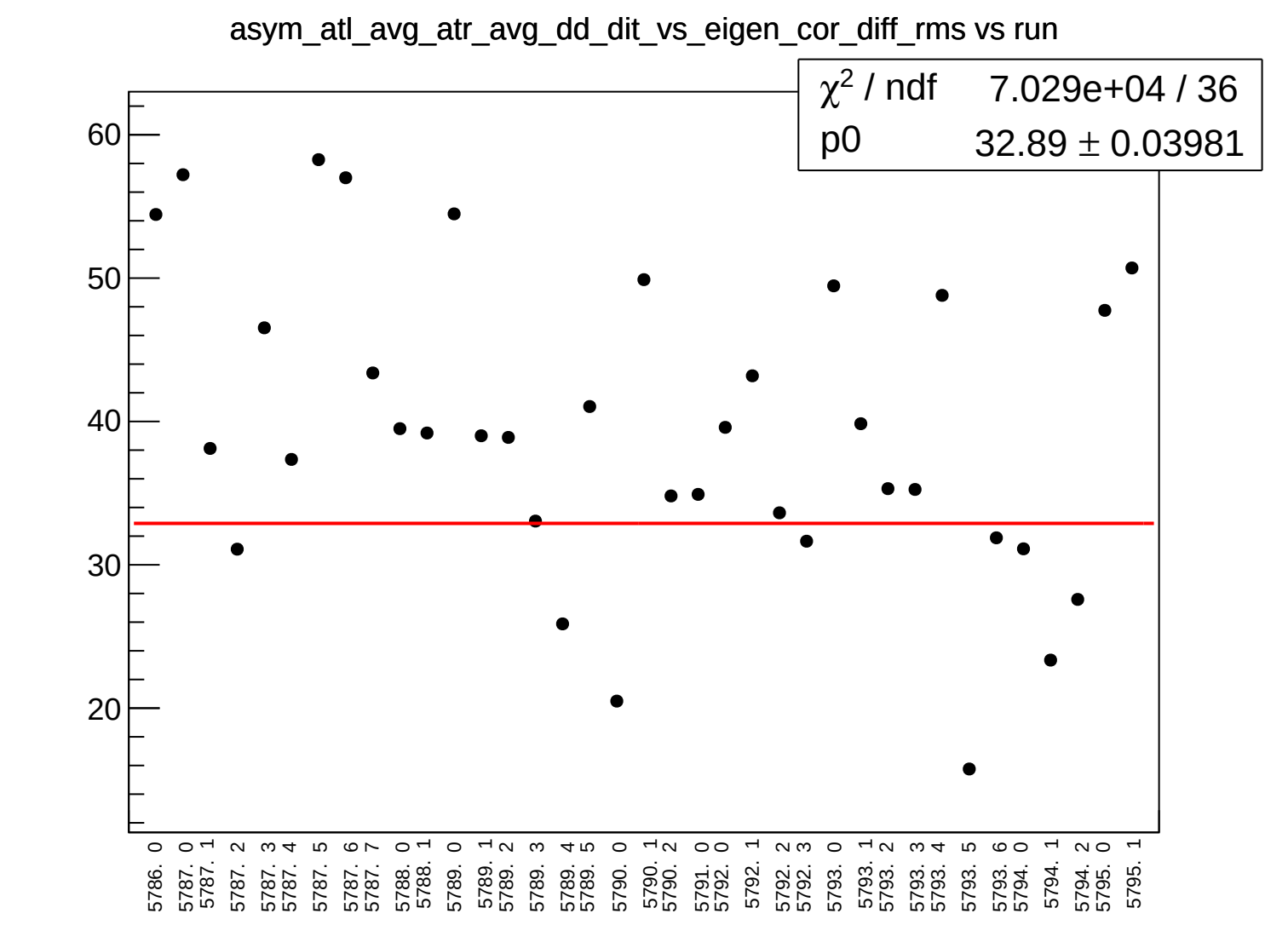

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 45.09 / 36
p0 −5.721e−14 ± 6.526e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 63.95
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.09833
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

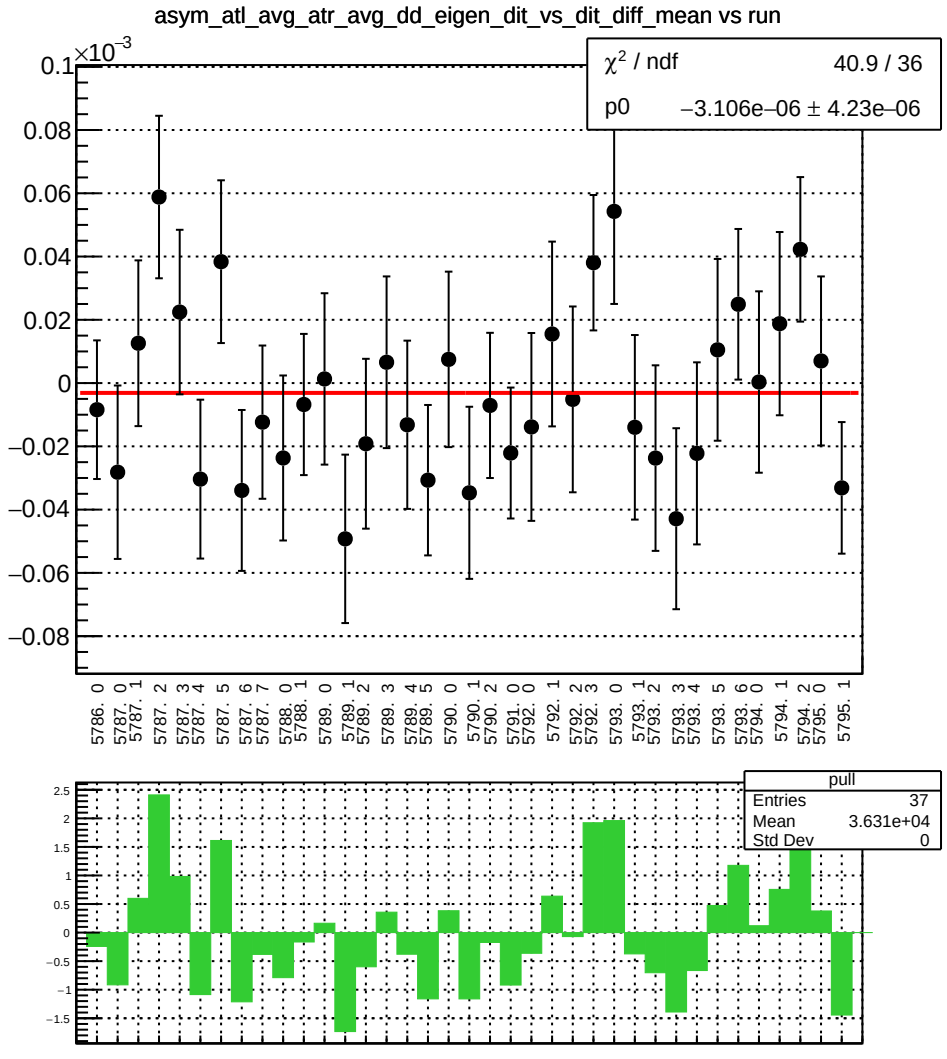

asym_atl_avg_atr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.058e+05 / 36
p0 2.719e−11 ± 4.614e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

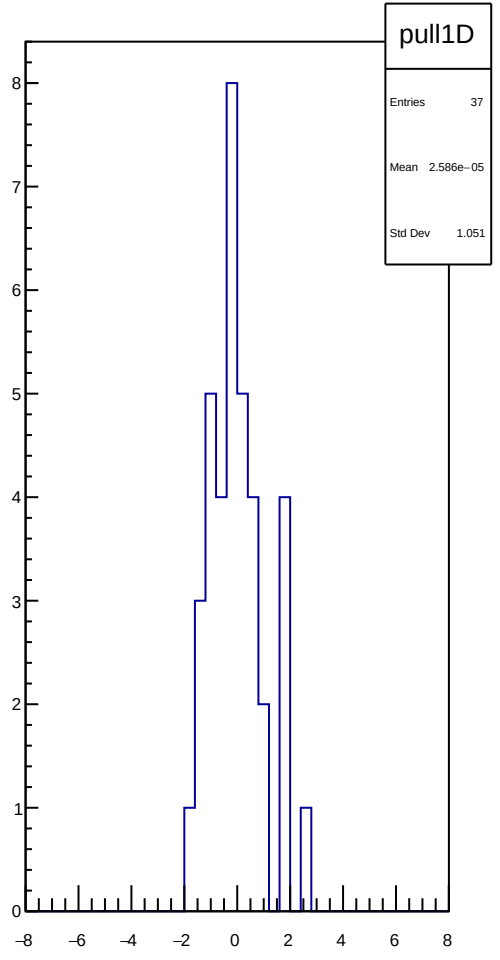

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02148
Std Dev 1.159
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

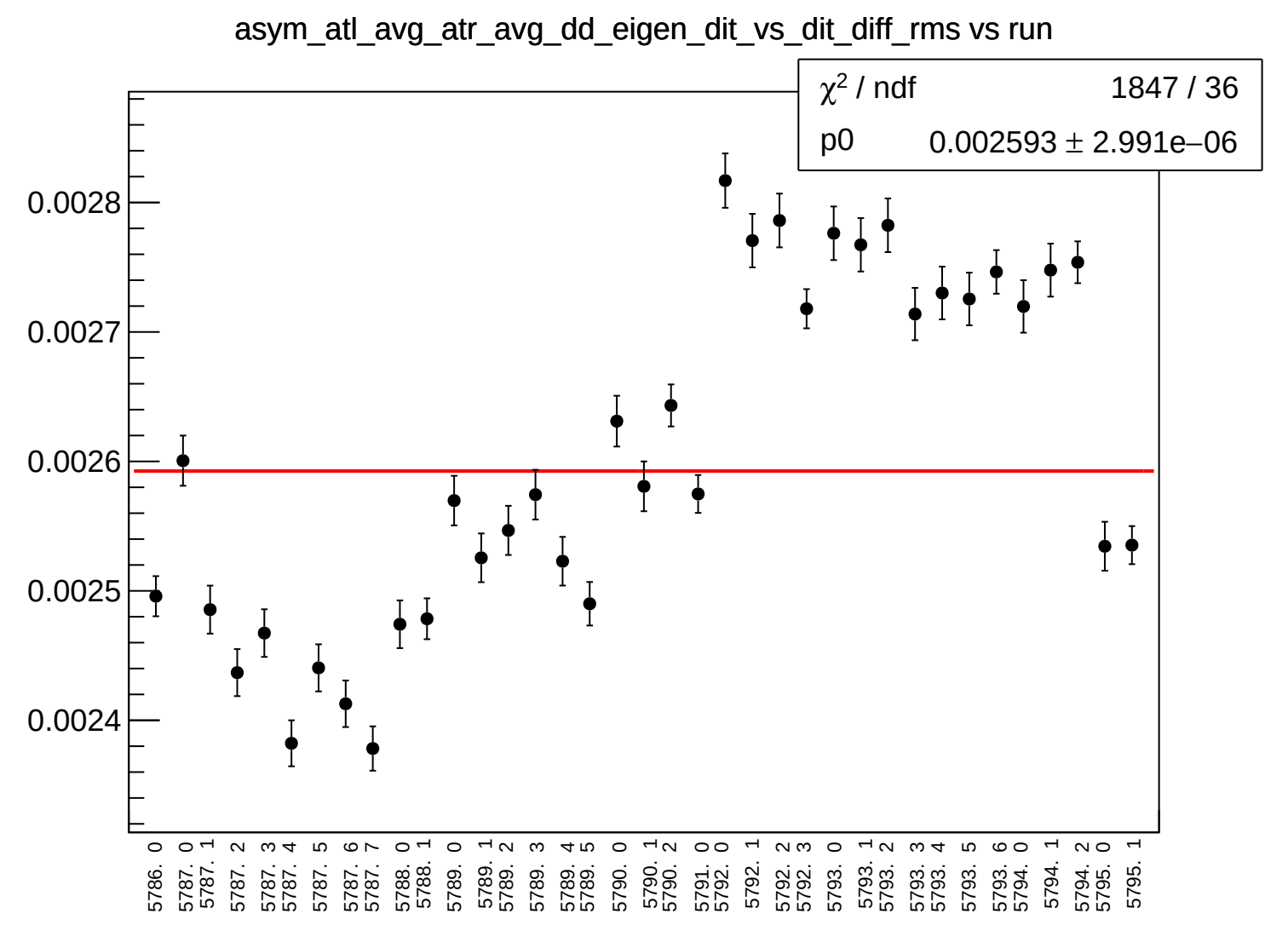

asym_atl_avg_atr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

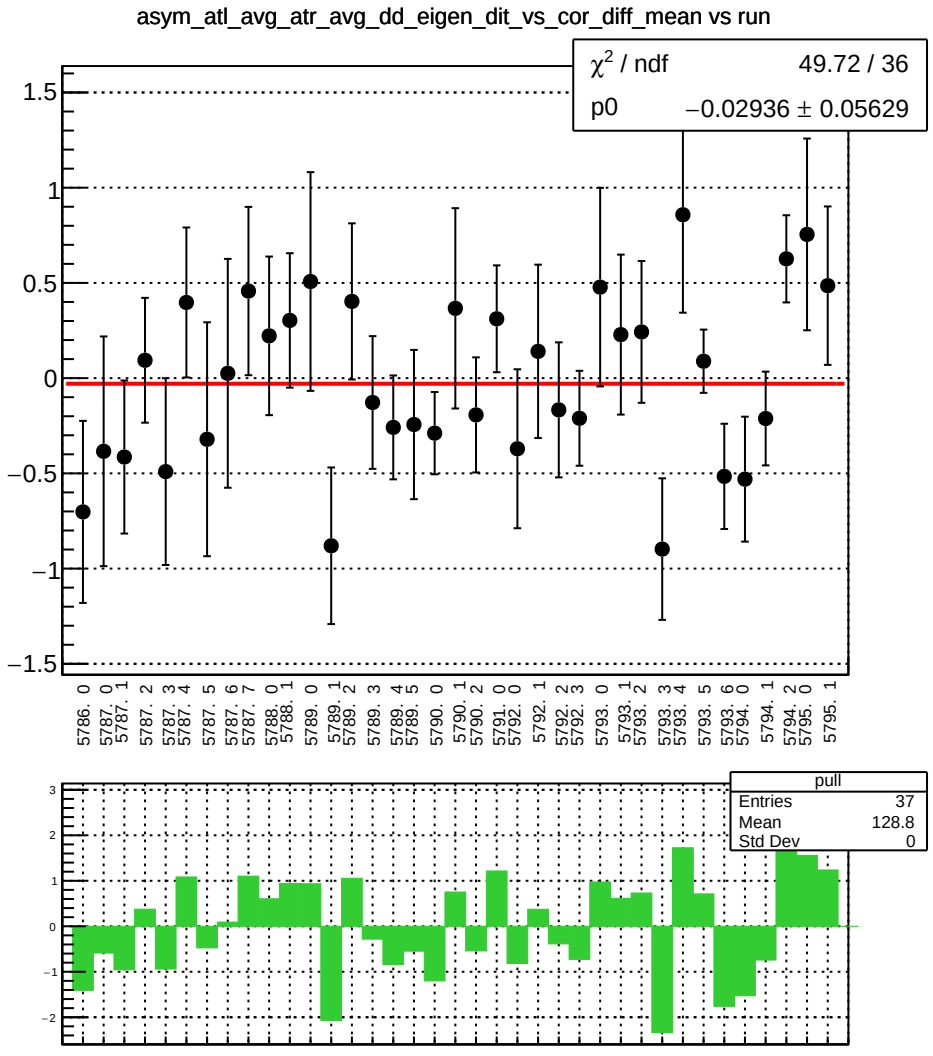

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
pull
Entries 37
Mean 128.8
Std Dev 0
pull1D
Entries 37
Mean 0.02148
Std Dev 1.159

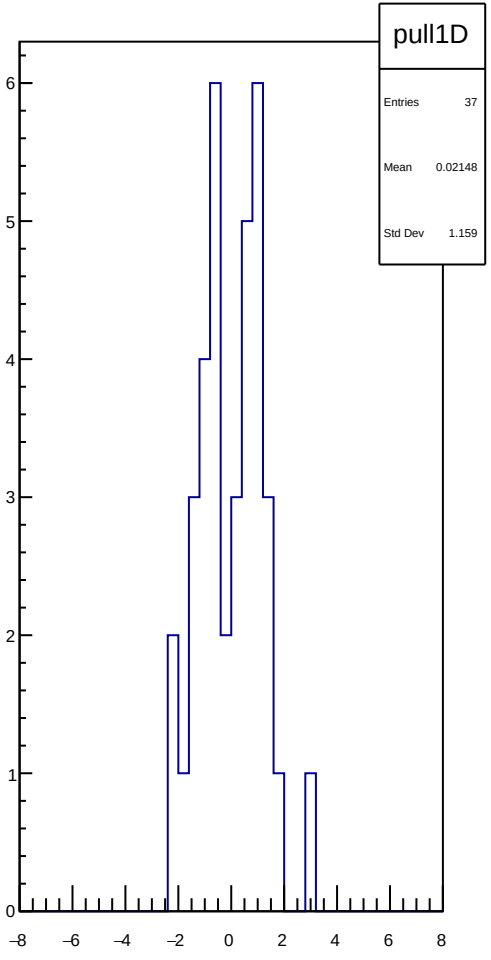

asym_atl_avg_atr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

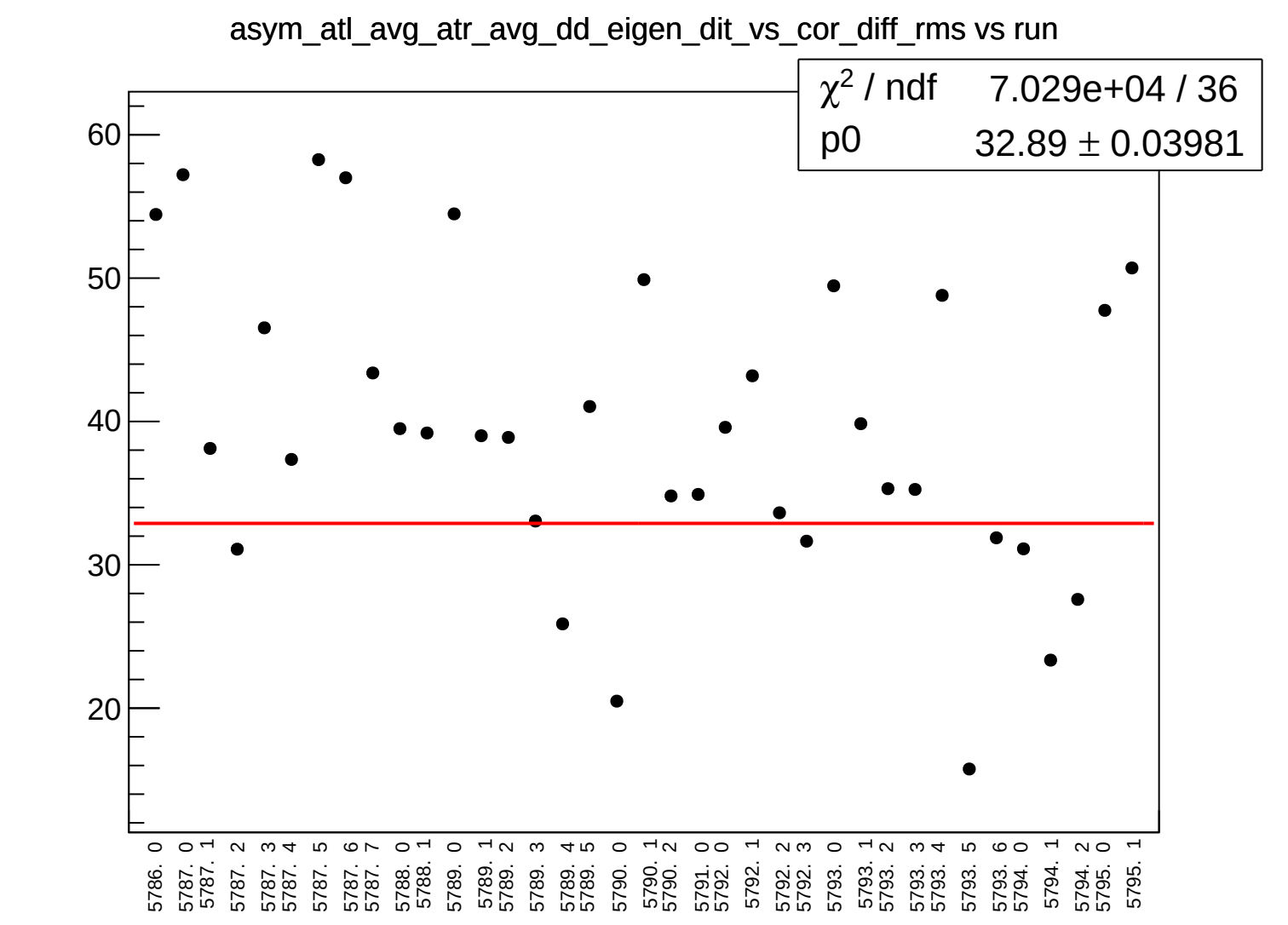

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.9 / 36
p0 −3.106e−06 ± 4.23e−06
pull
Entries 37
Mean 3.631e+04
Std Dev 0

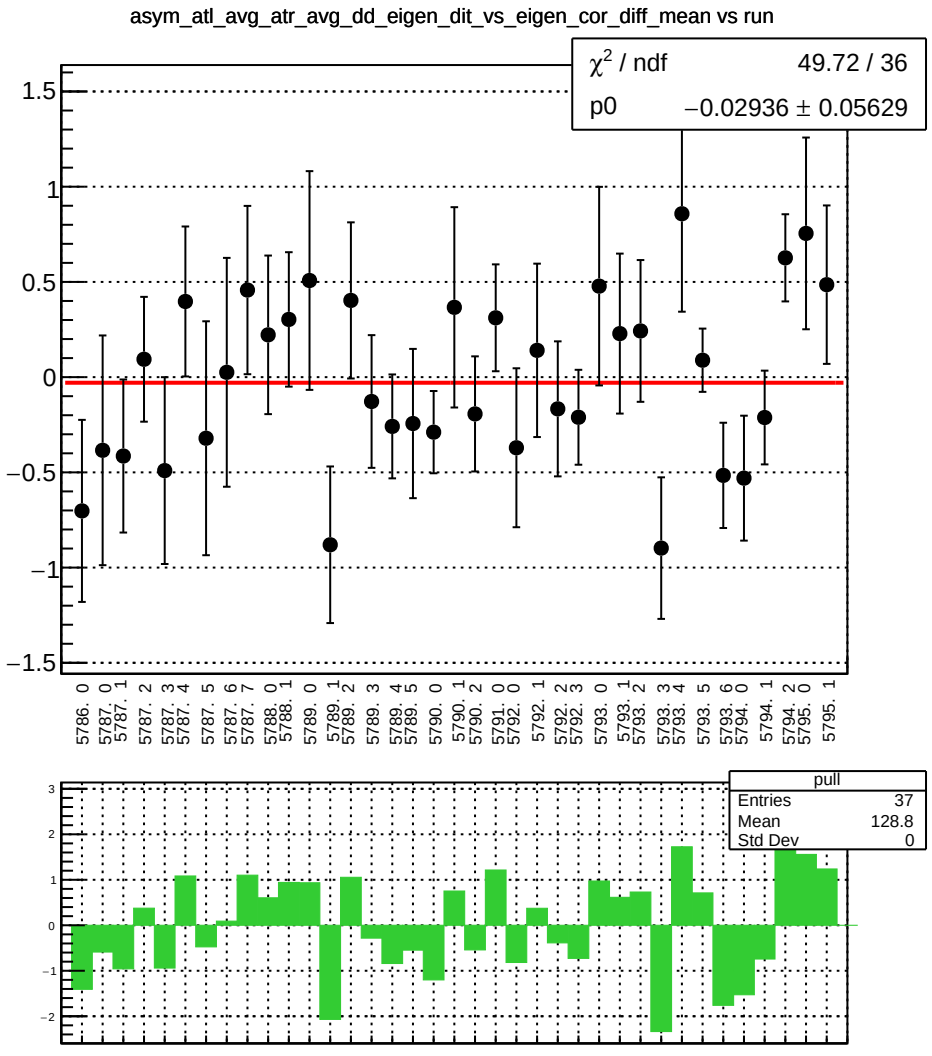

pull1D
Entries 37
Mean 2.586e−05
Std Dev 1.051

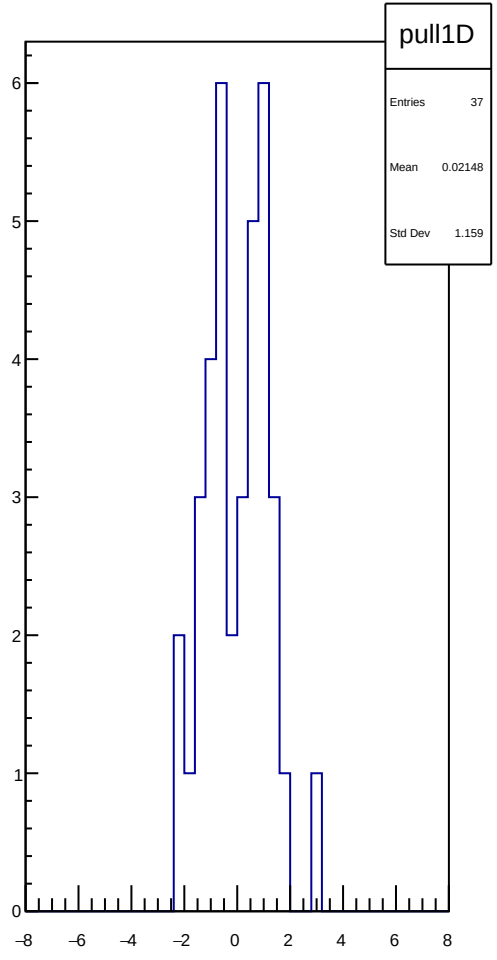

asym_atl_avg_atr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1847 / 36
p0 0.002593 ± 2.991e−06
0.0028
0.0027
0.0026
0.0025
0.0024
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

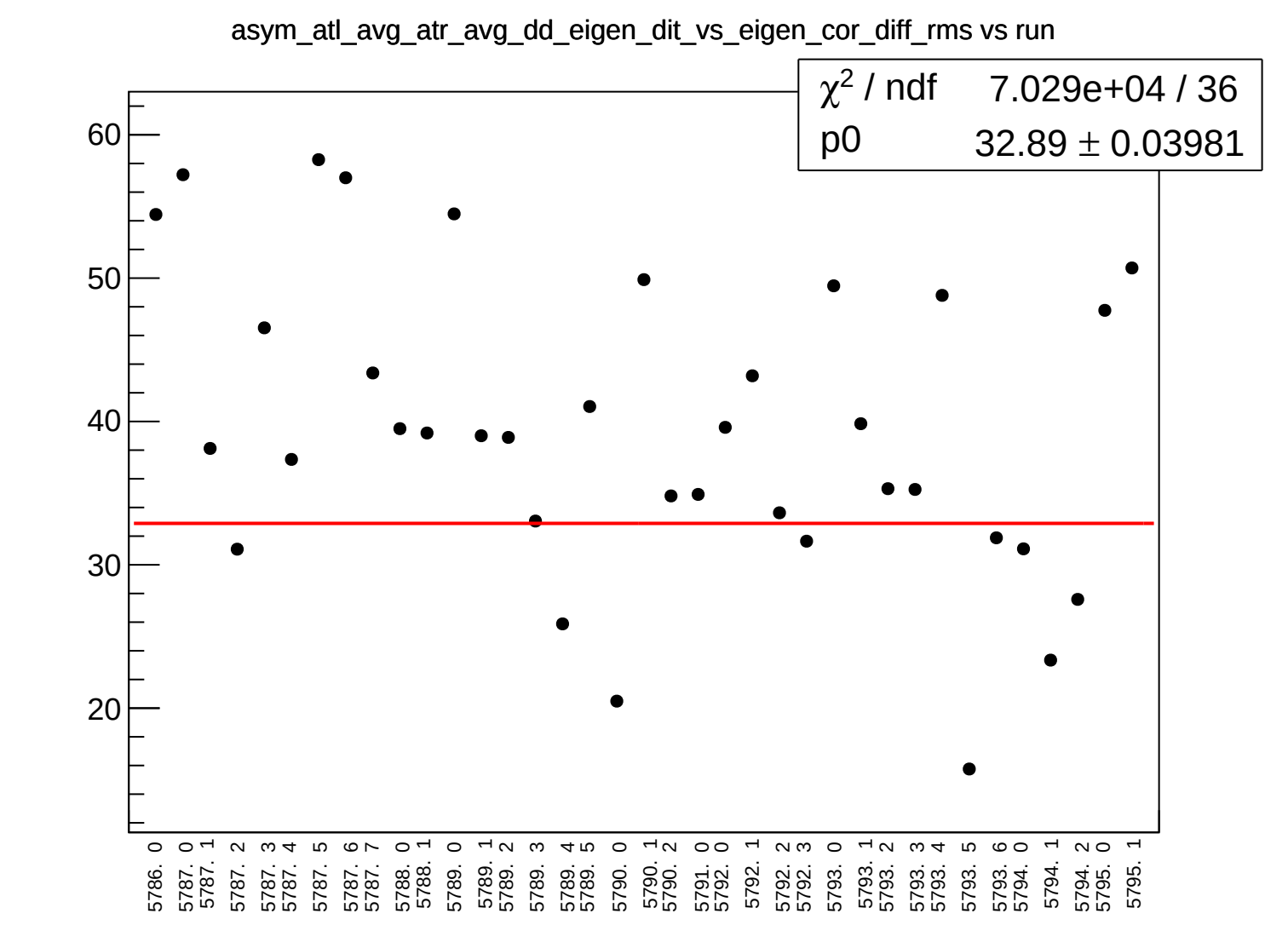

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
pull
Entries 37
Mean 128.8
Std Dev 0

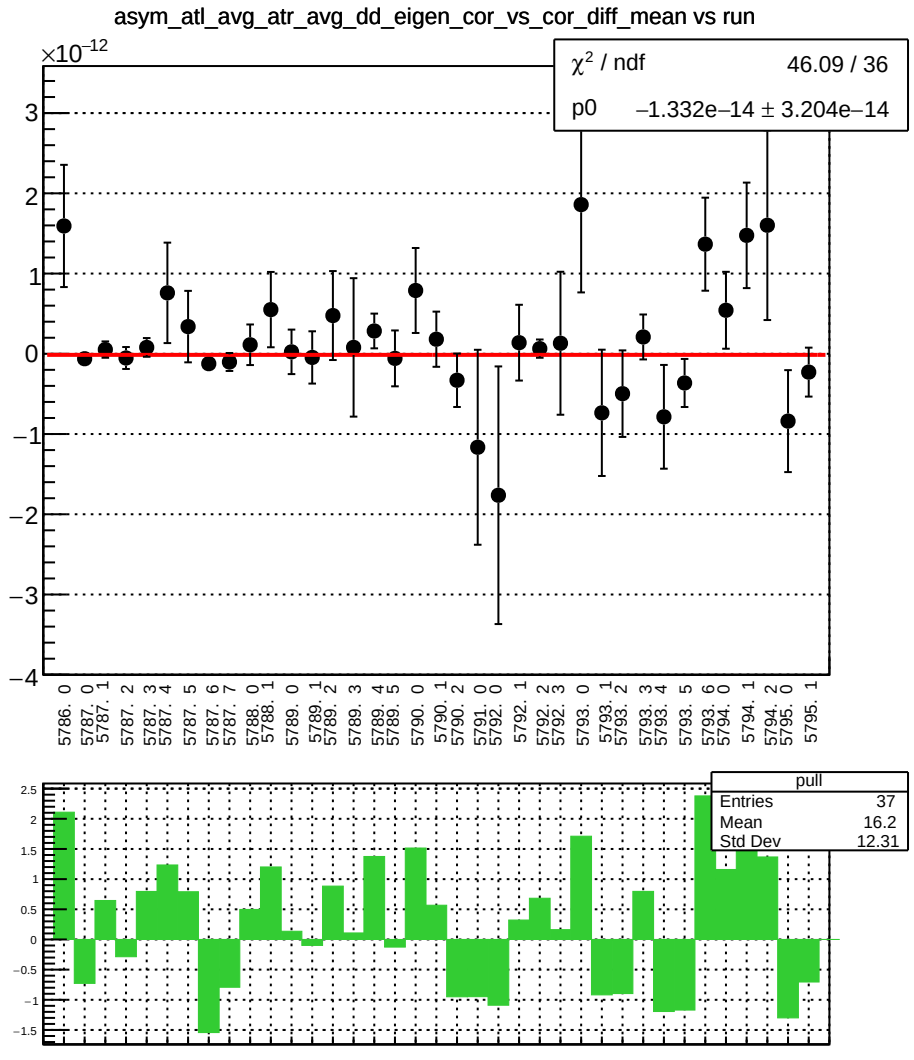

pull1D
Entries 37
Mean 0.02148
Std Dev 1.159

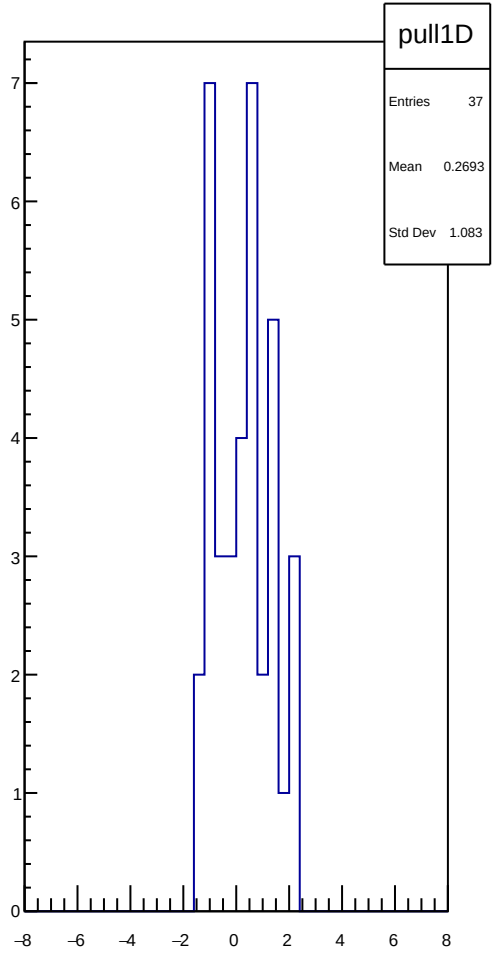

asym_atl_avg_atr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ2 / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

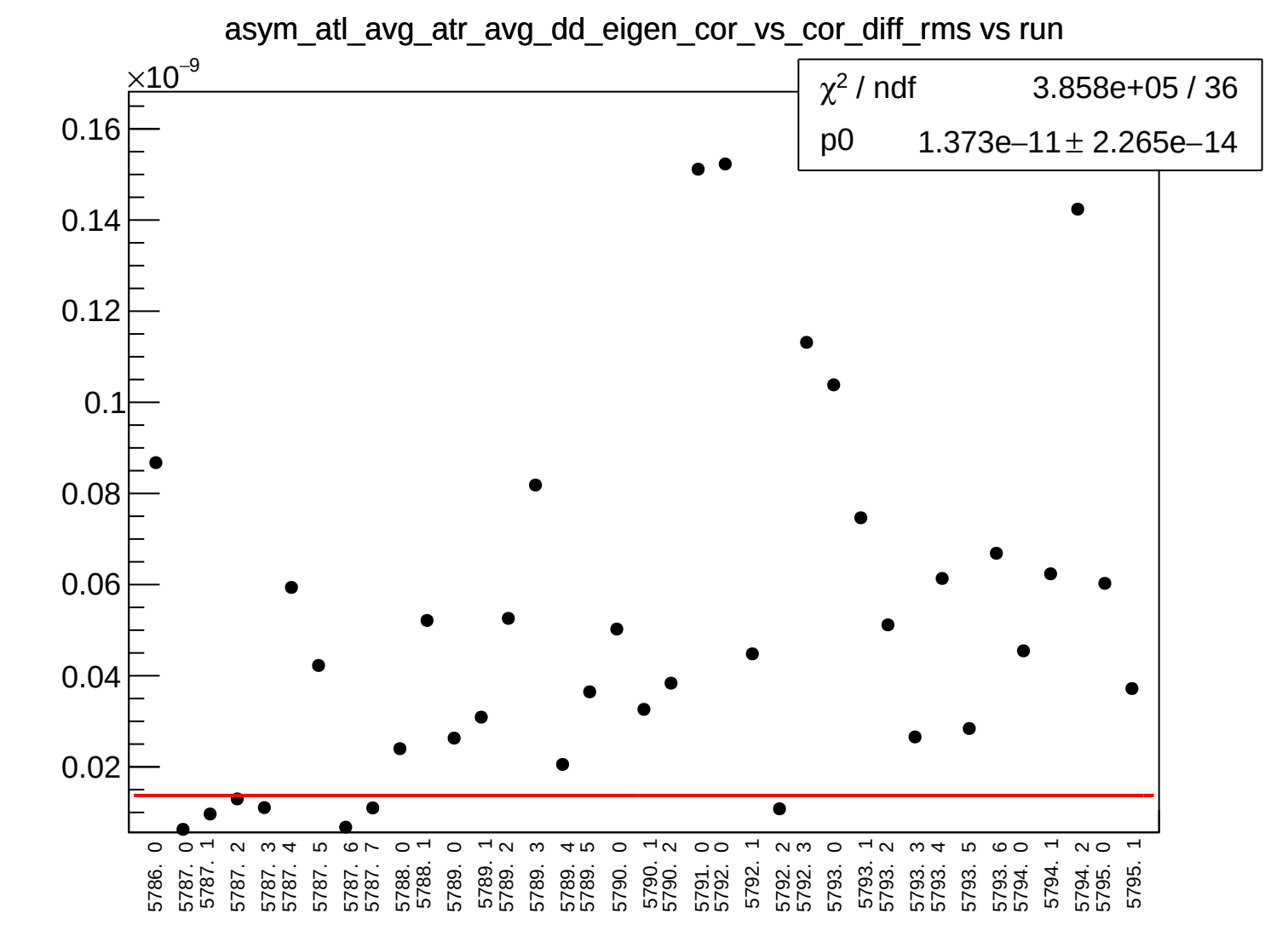

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
pull
Entries 37
Mean 128.8
Std Dev 0

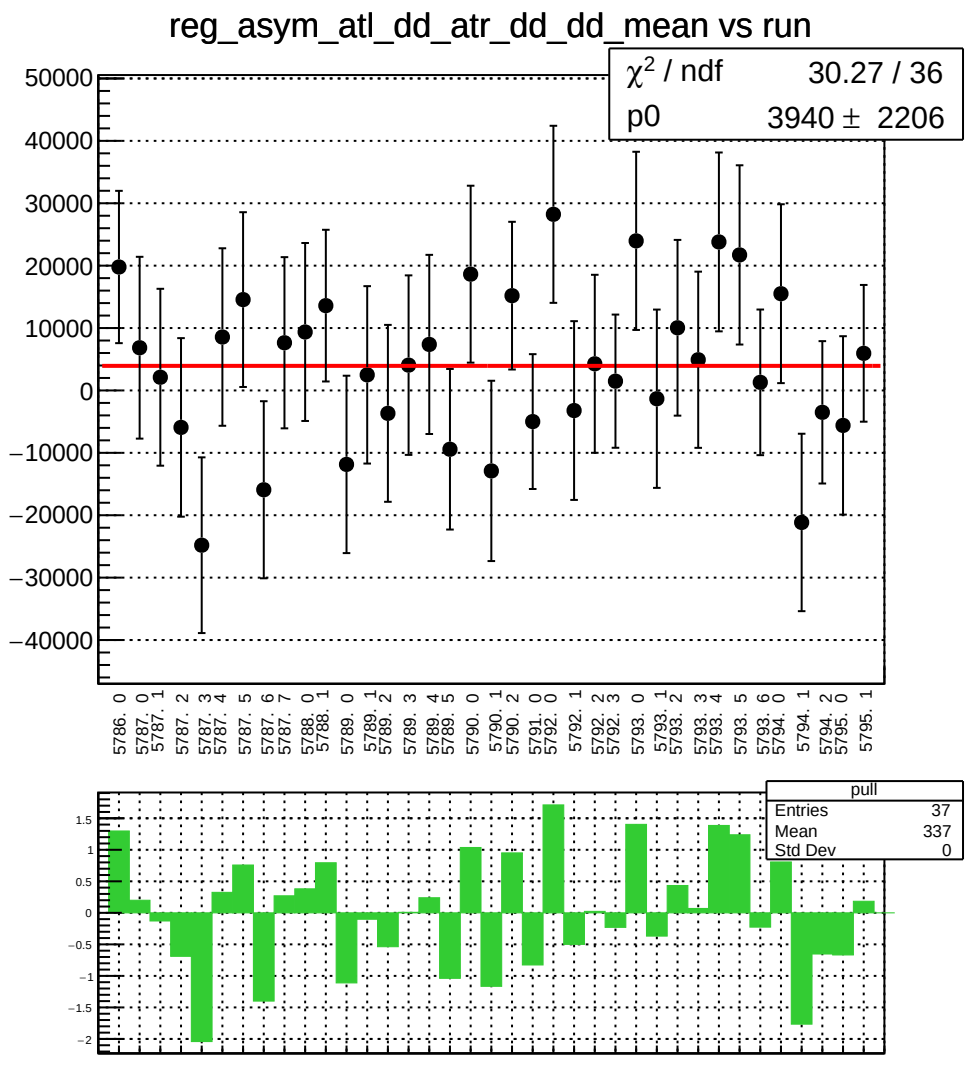

pull1D
Entries 37
Mean 0.02148
Std Dev 1.159

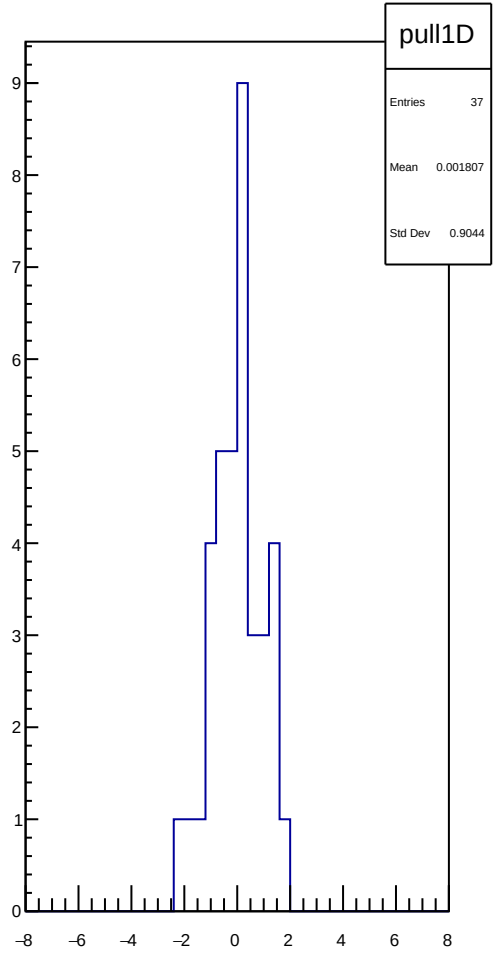

asym_atl_avg_atr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

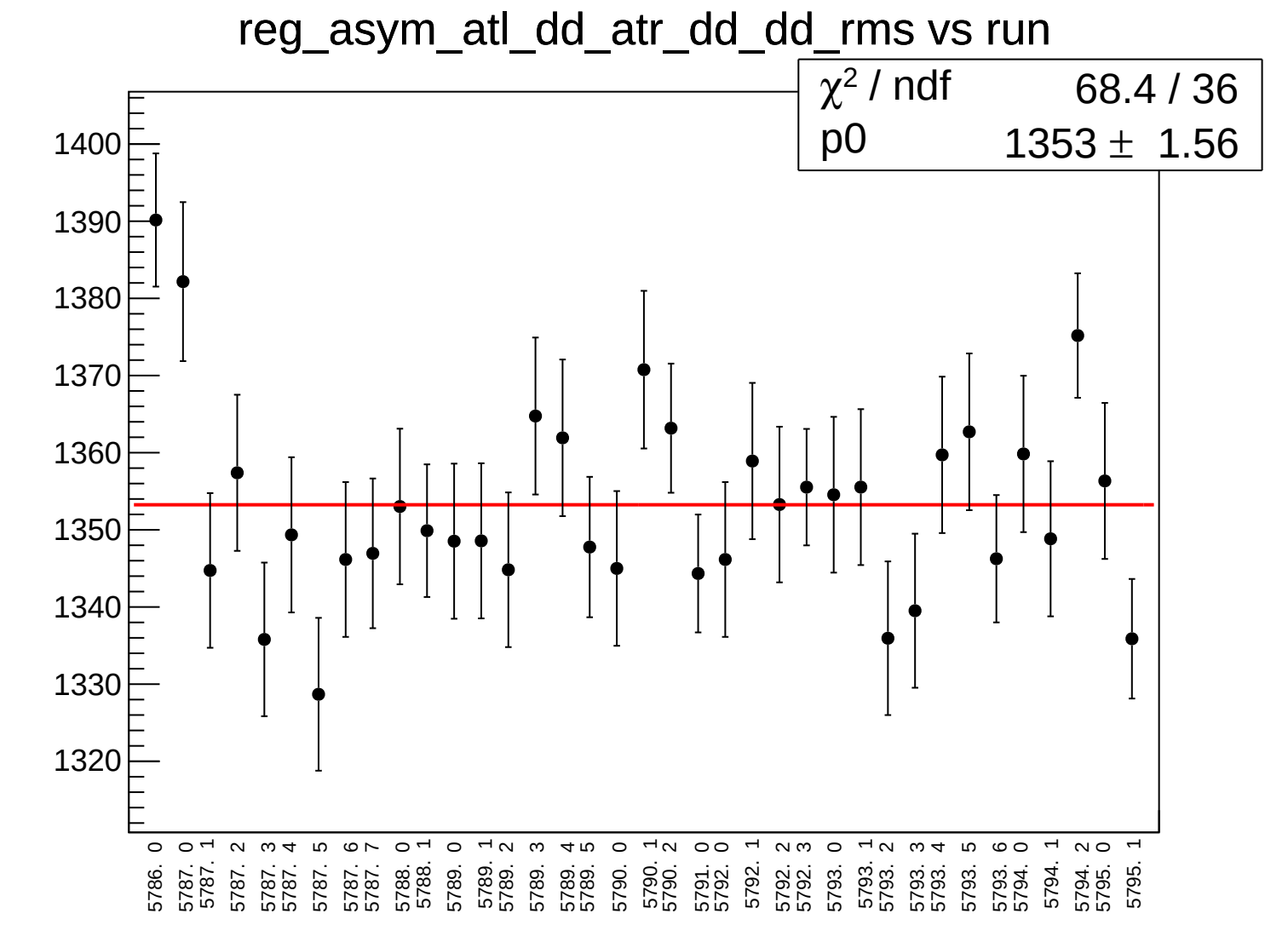

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.09 / 36
p0 −1.332e−14 ± 3.204e−14
pull
Entries 37
Mean 16.2
Std Dev 12.31

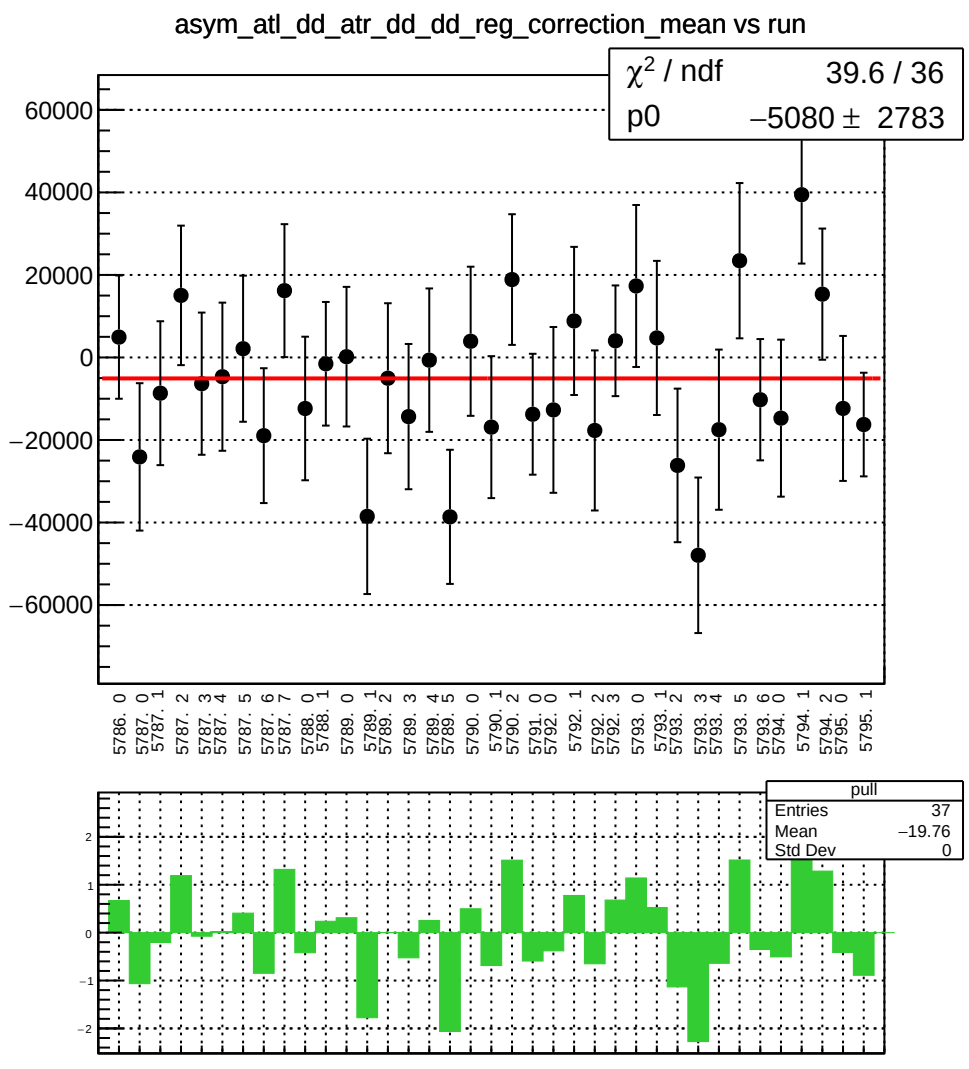

pull1D
Entries 37
Mean 0.2693
Std Dev 1.083

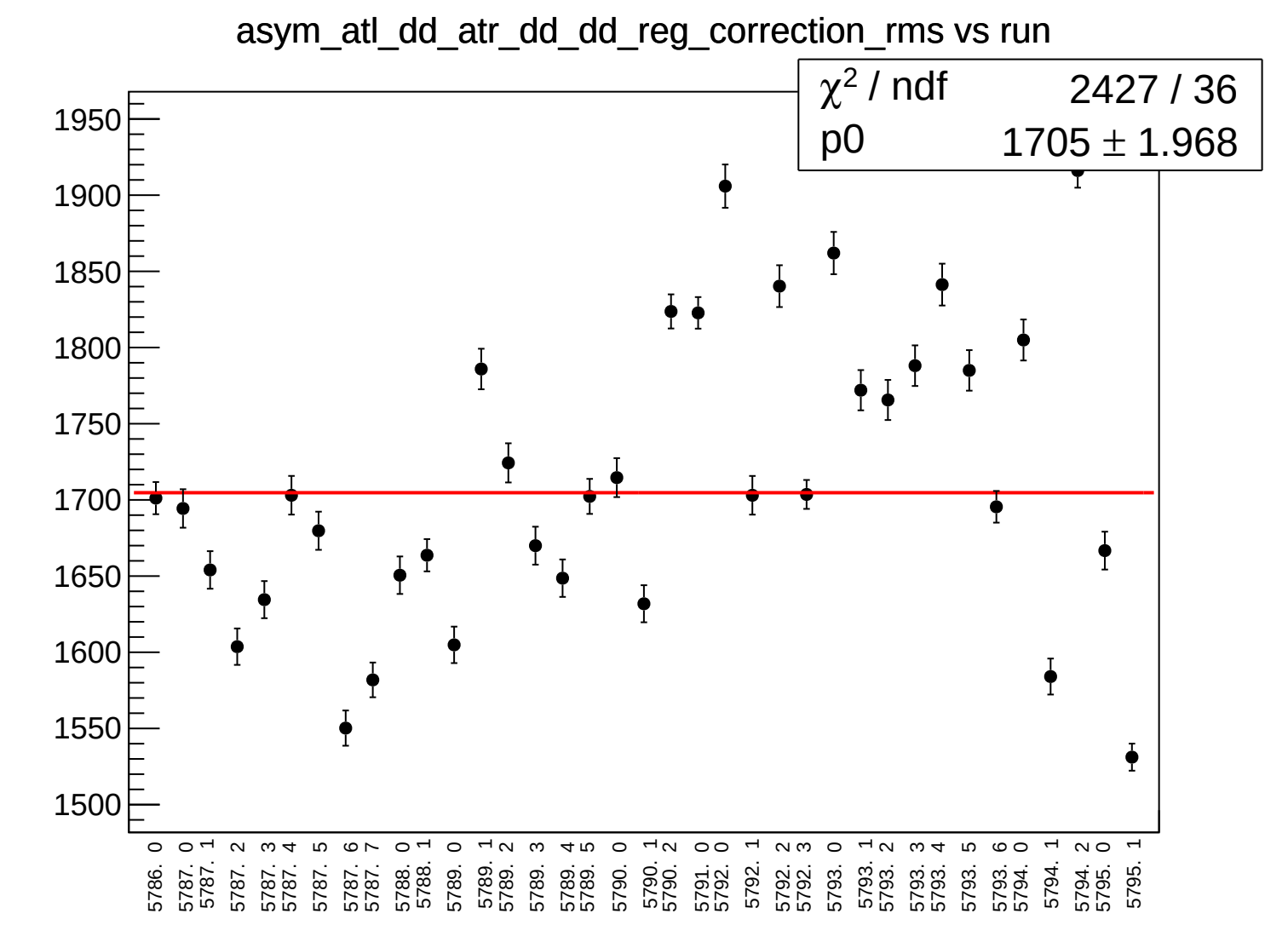

asym_atl_avg_atr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.858e+05 / 36
p0 1.373e−11 ± 2.265e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

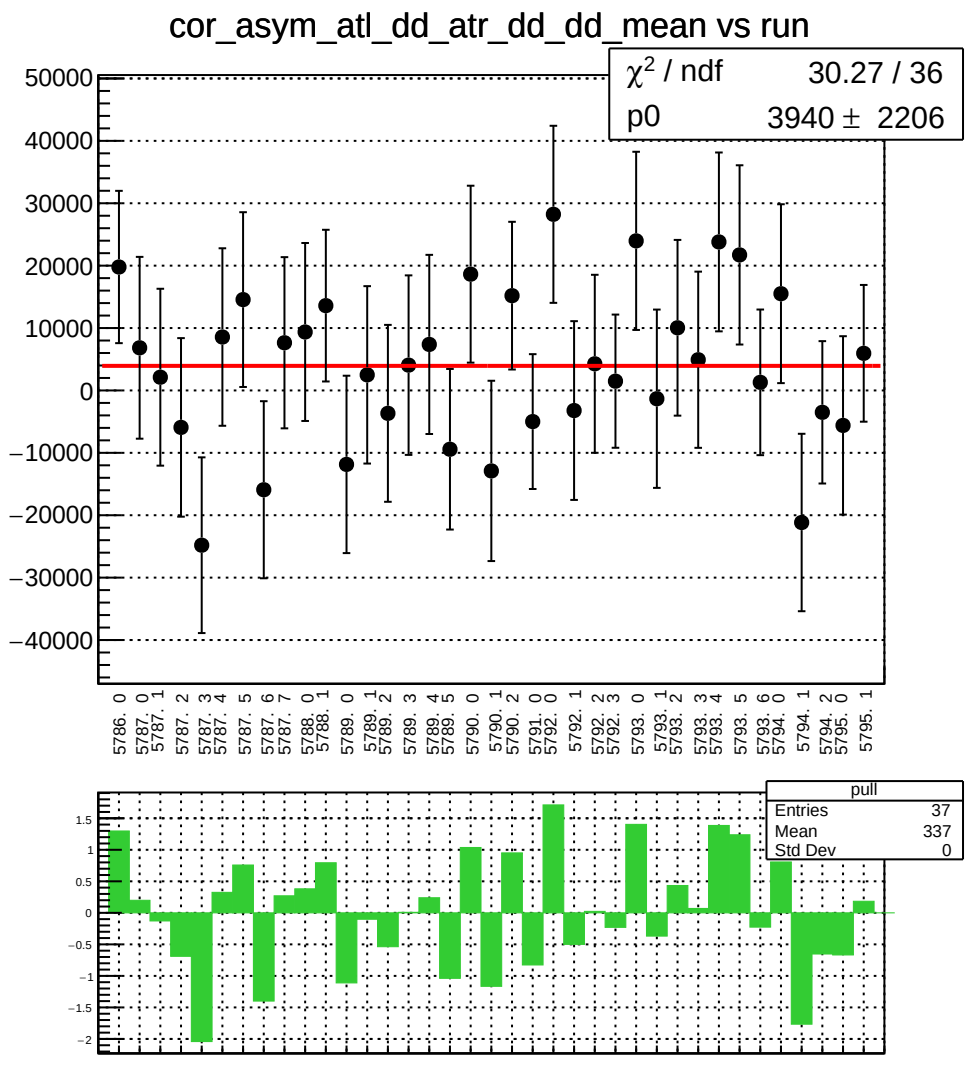

reg_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

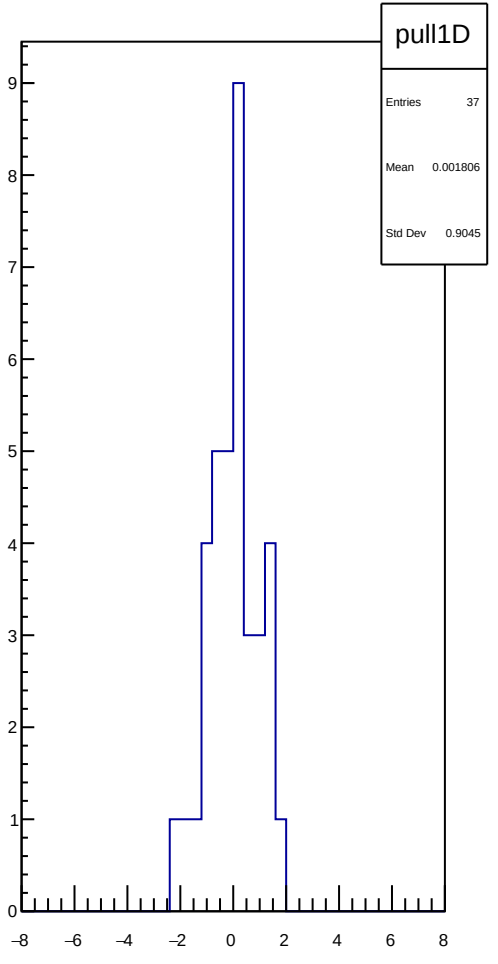

pull1D
Entries 37
Mean 0.001807
Std Dev 0.9044
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

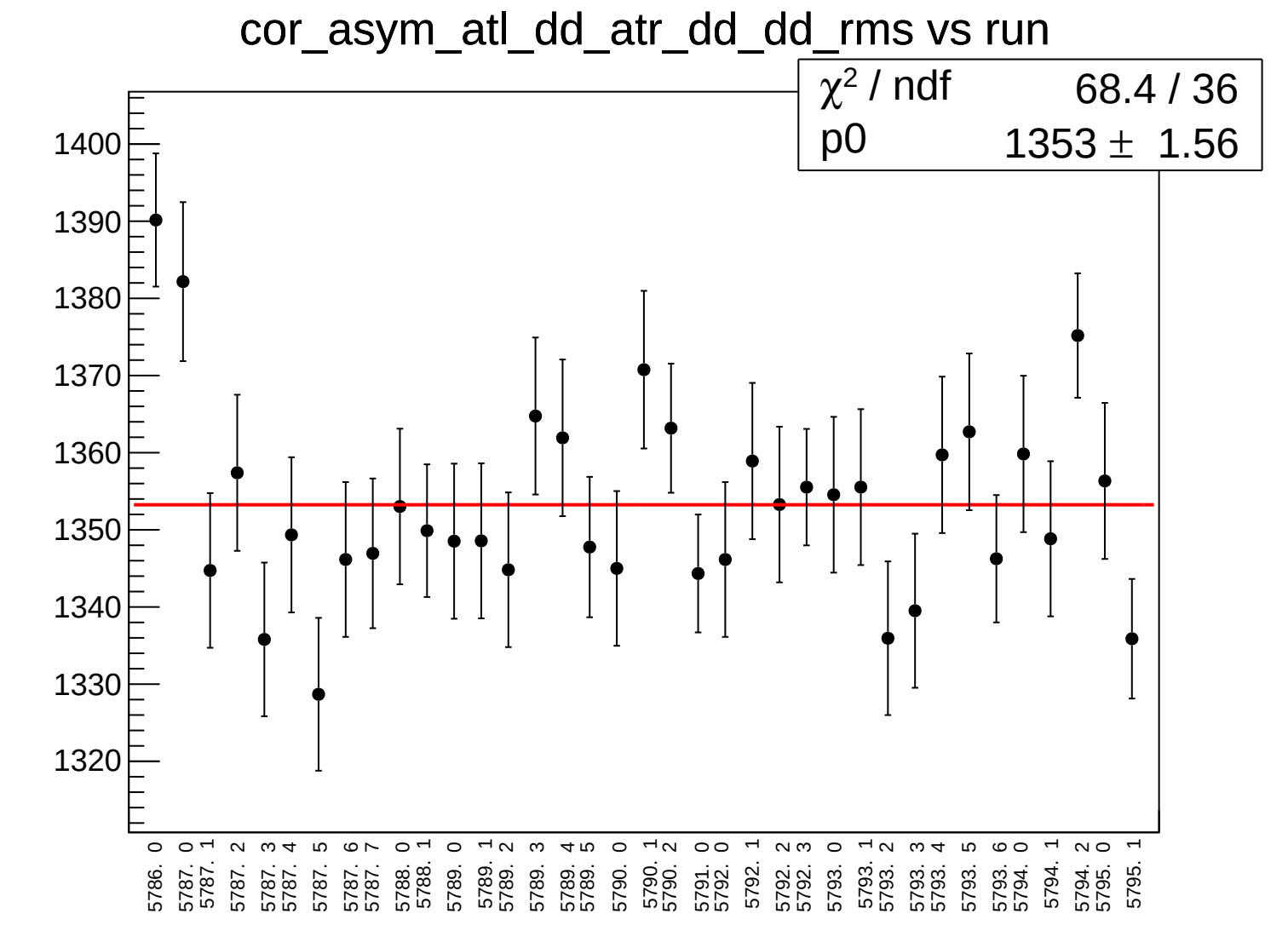

reg_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

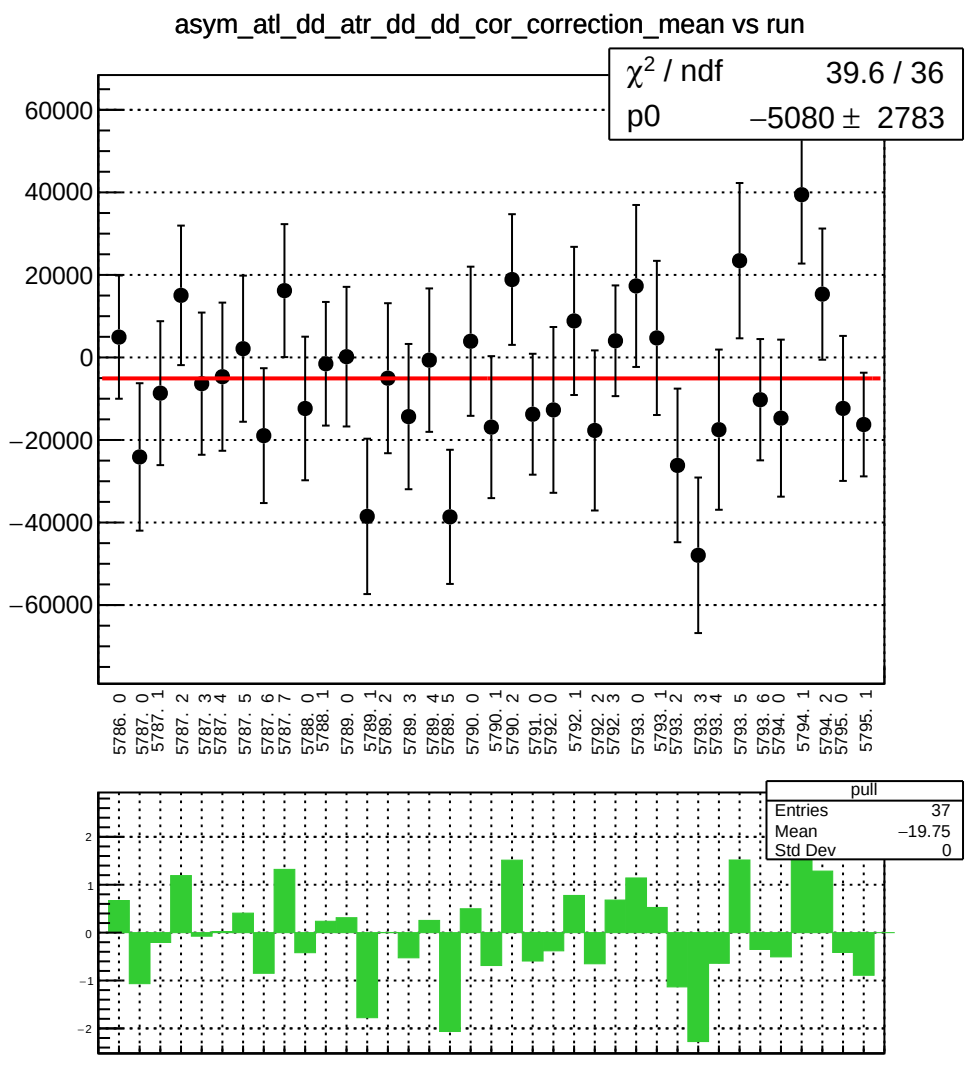

asym_atl_dd_atr_dd_dd_reg_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01282
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

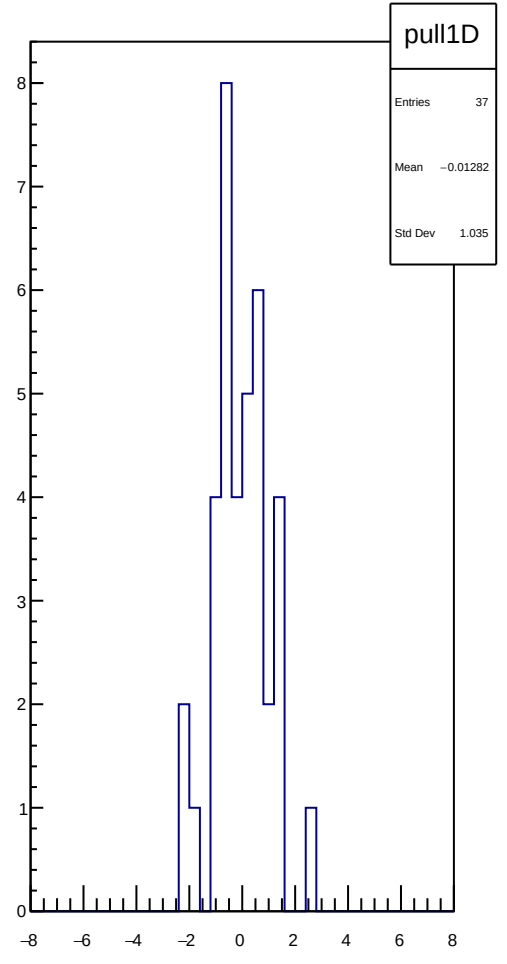

asym_atl_dd_atr_dd_dd_reg_correction_rms vs run
χ² / ndf 2427 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

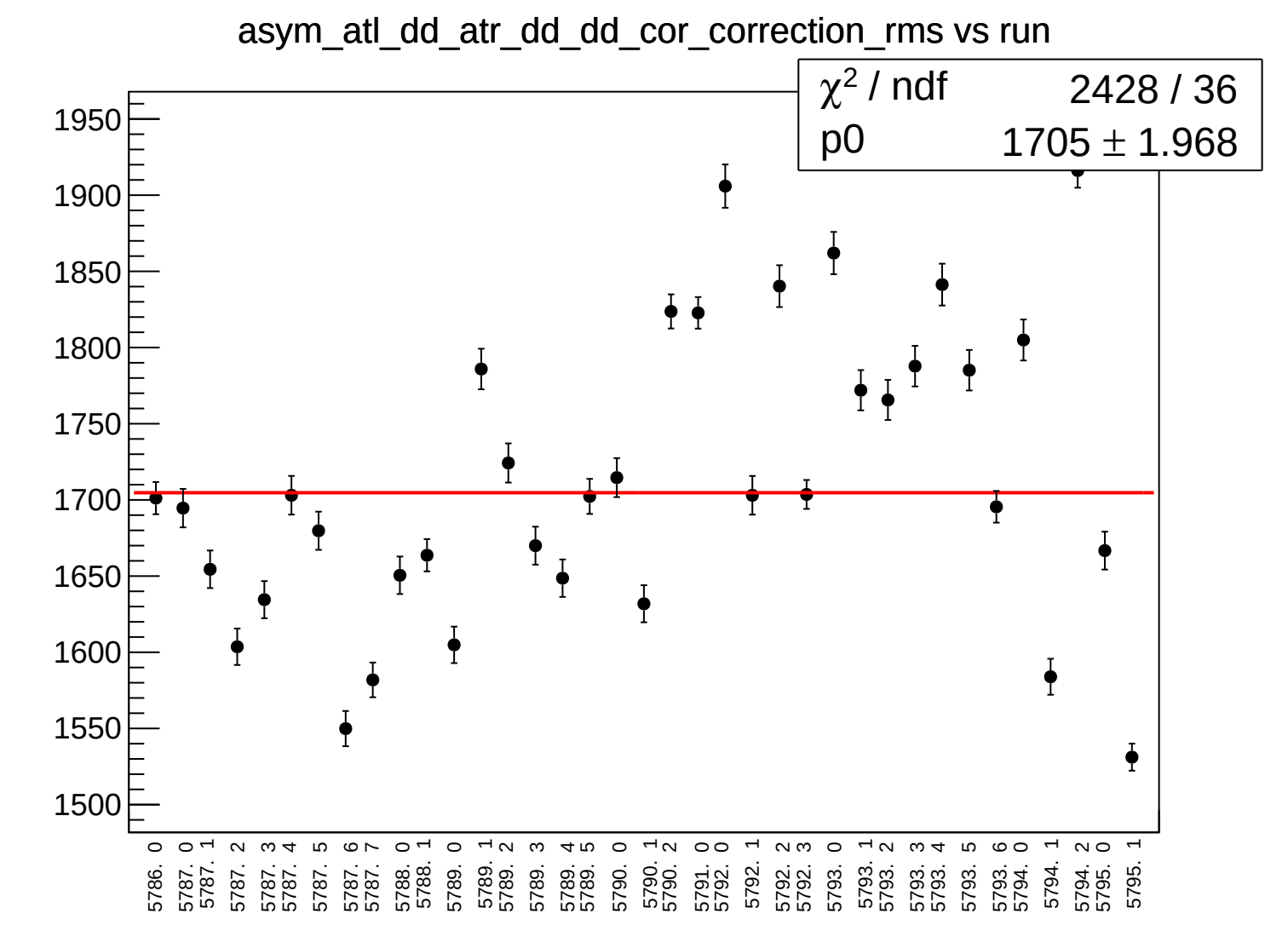

cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

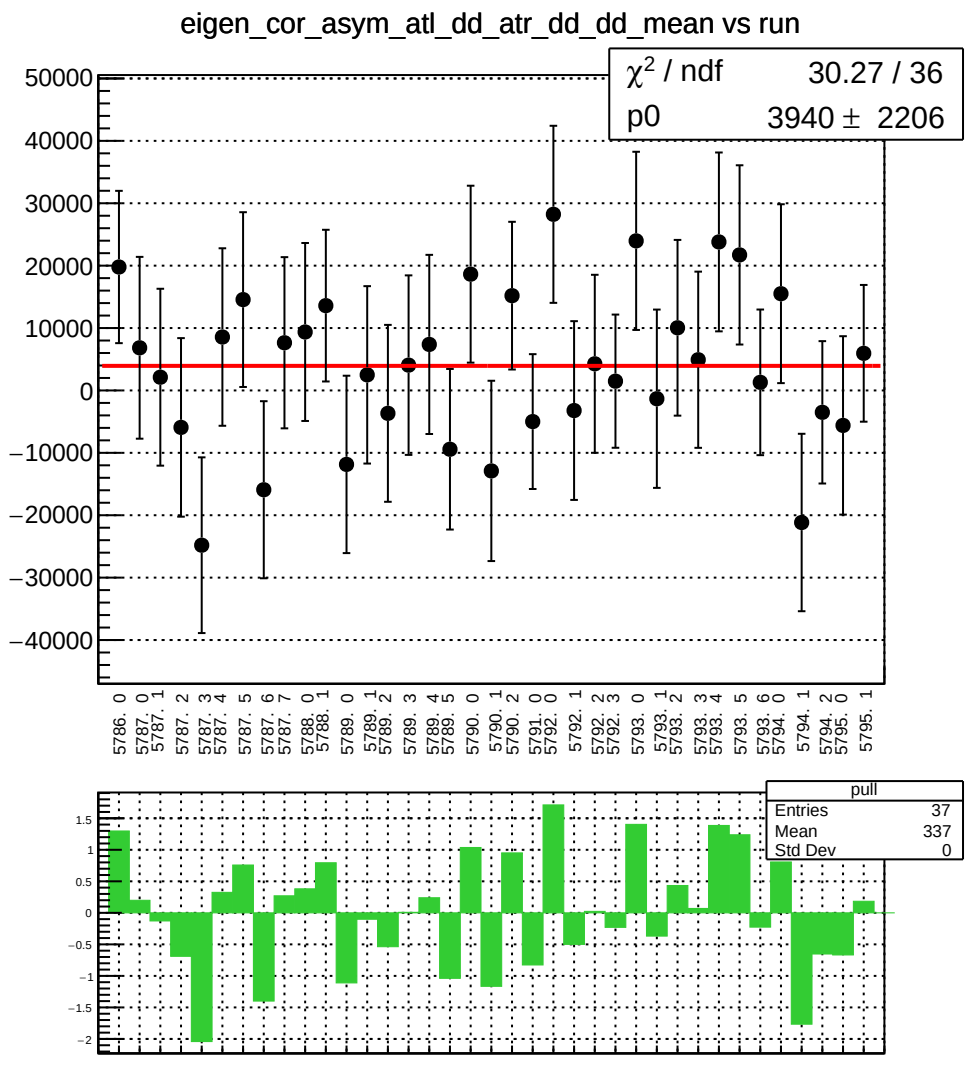

pull1D
Entries 37
Mean 0.001806
Std Dev 0.9045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

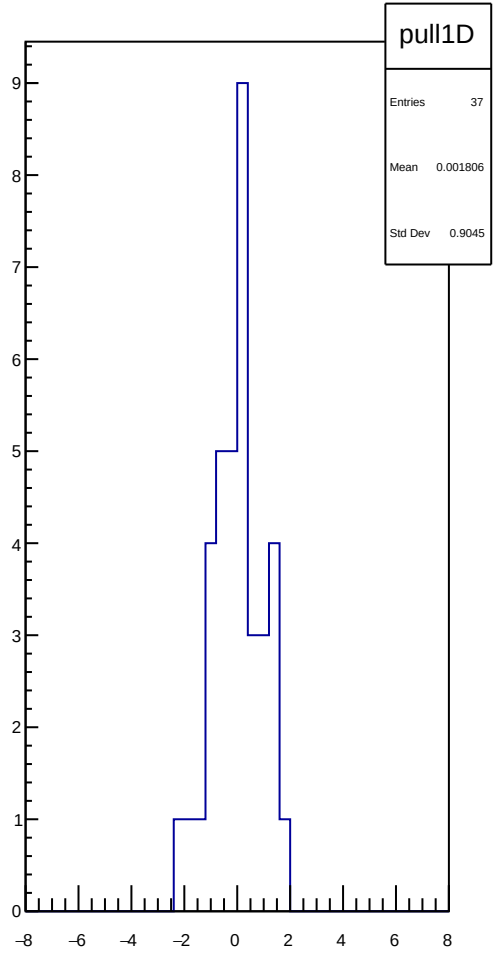

cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

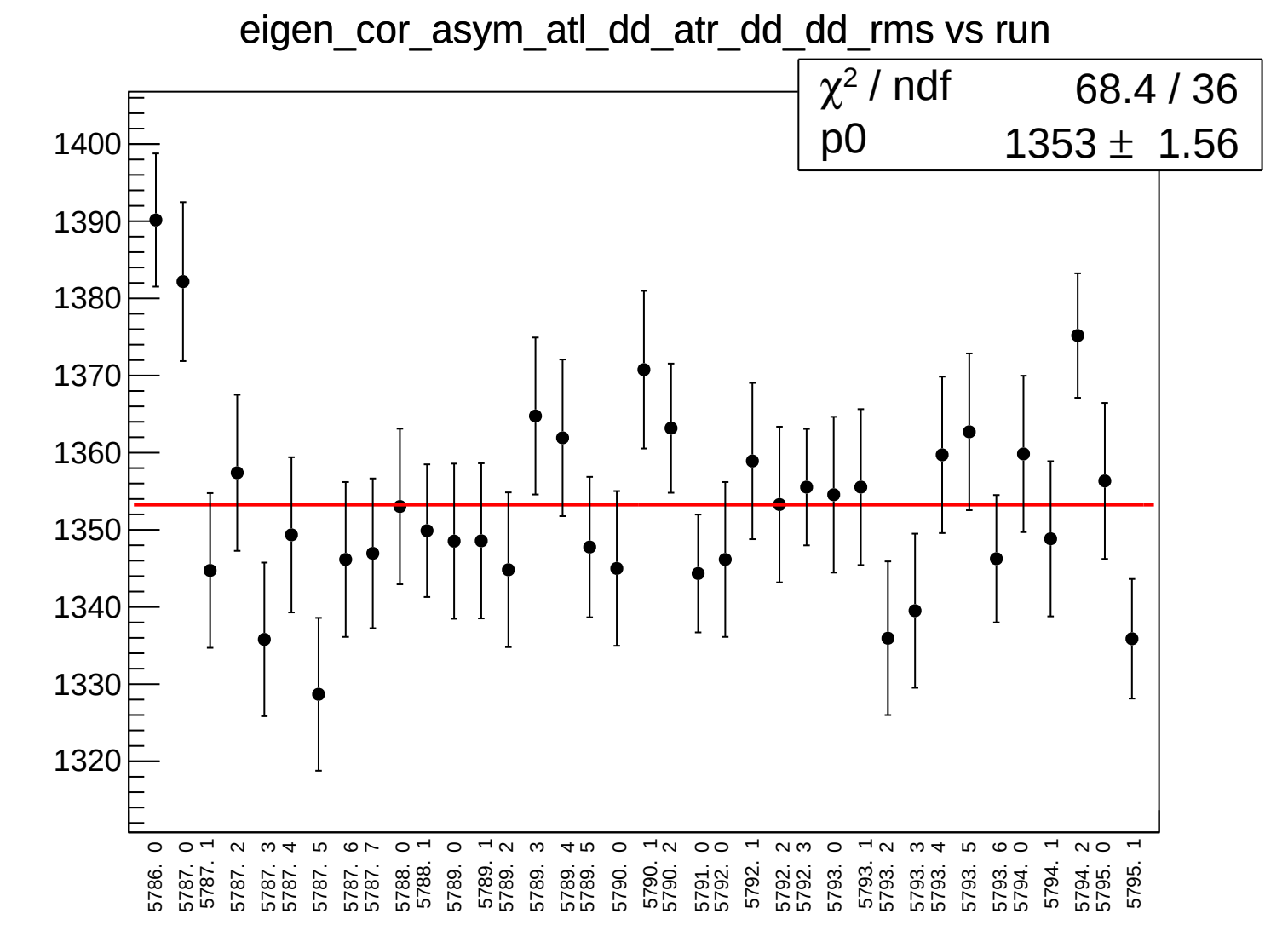

asym_atl_dd_atr_dd_dd_cor_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.75
Std Dev 0
2
1
0
−1
−2

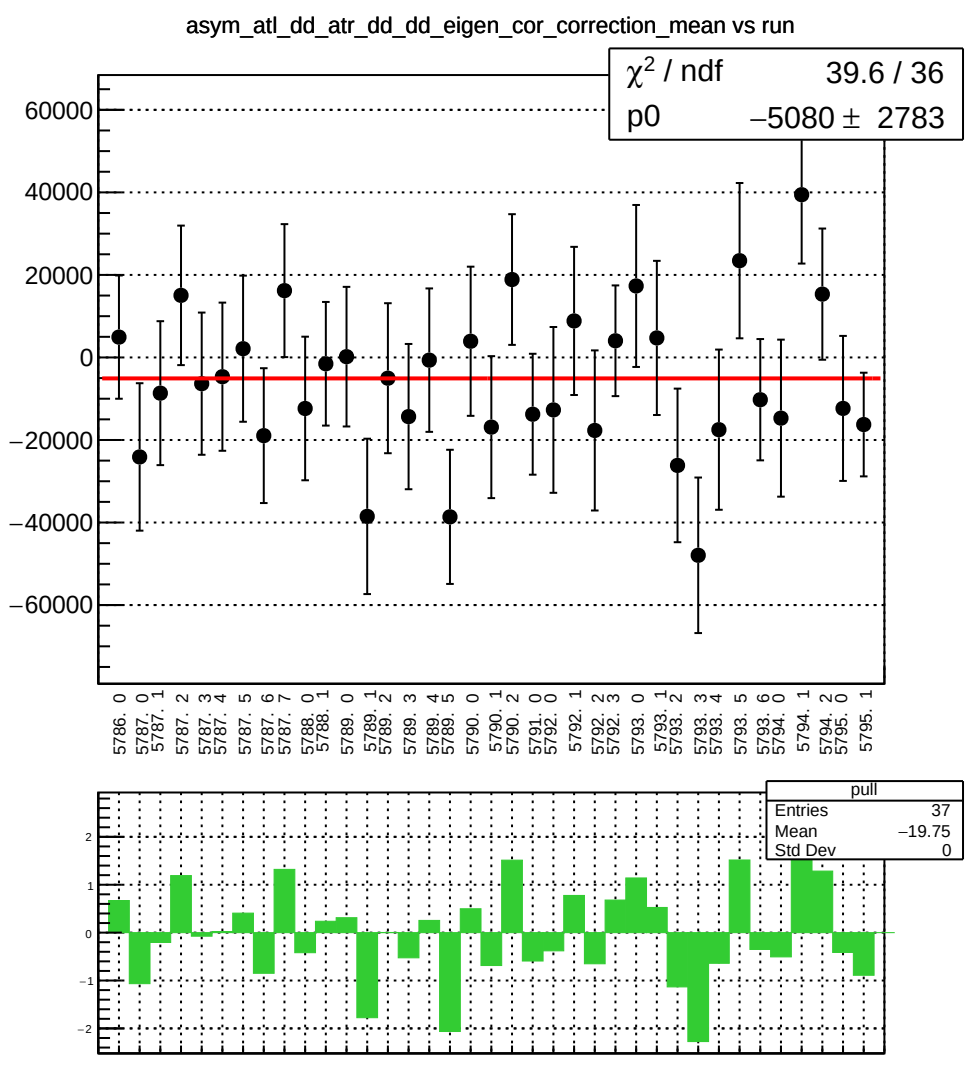

pull1D
Entries 37
Mean −0.01282
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

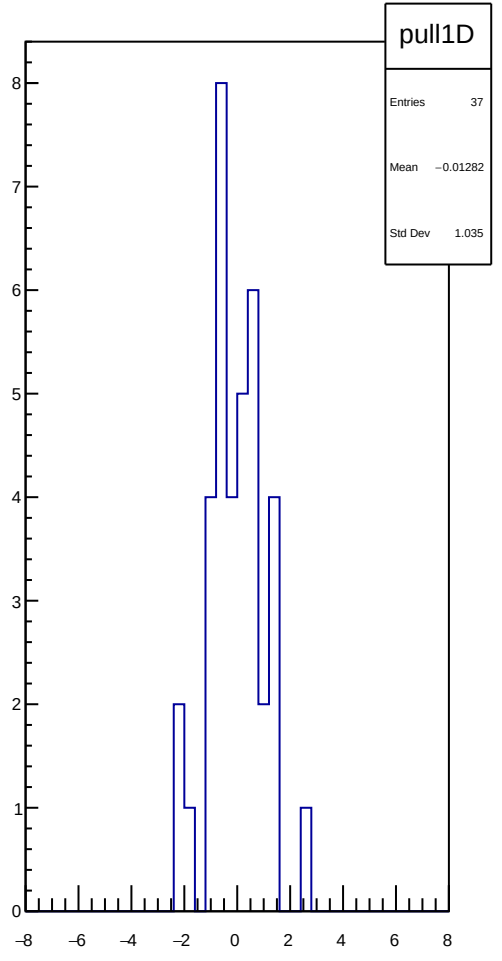

asym_atl_dd_atr_dd_dd_cor_correction_rms vs run
χ² / ndf 2428 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

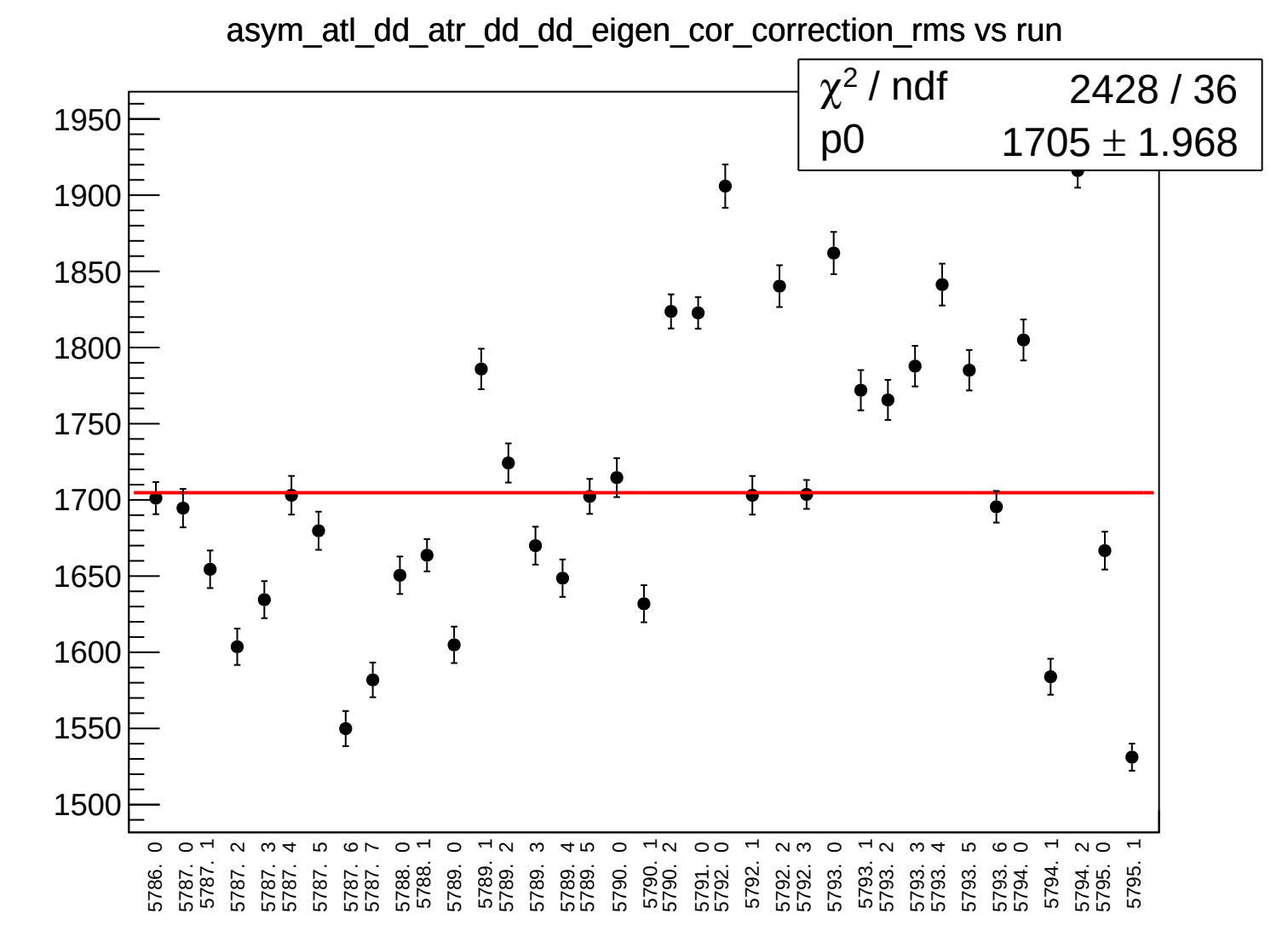

eigen_cor_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

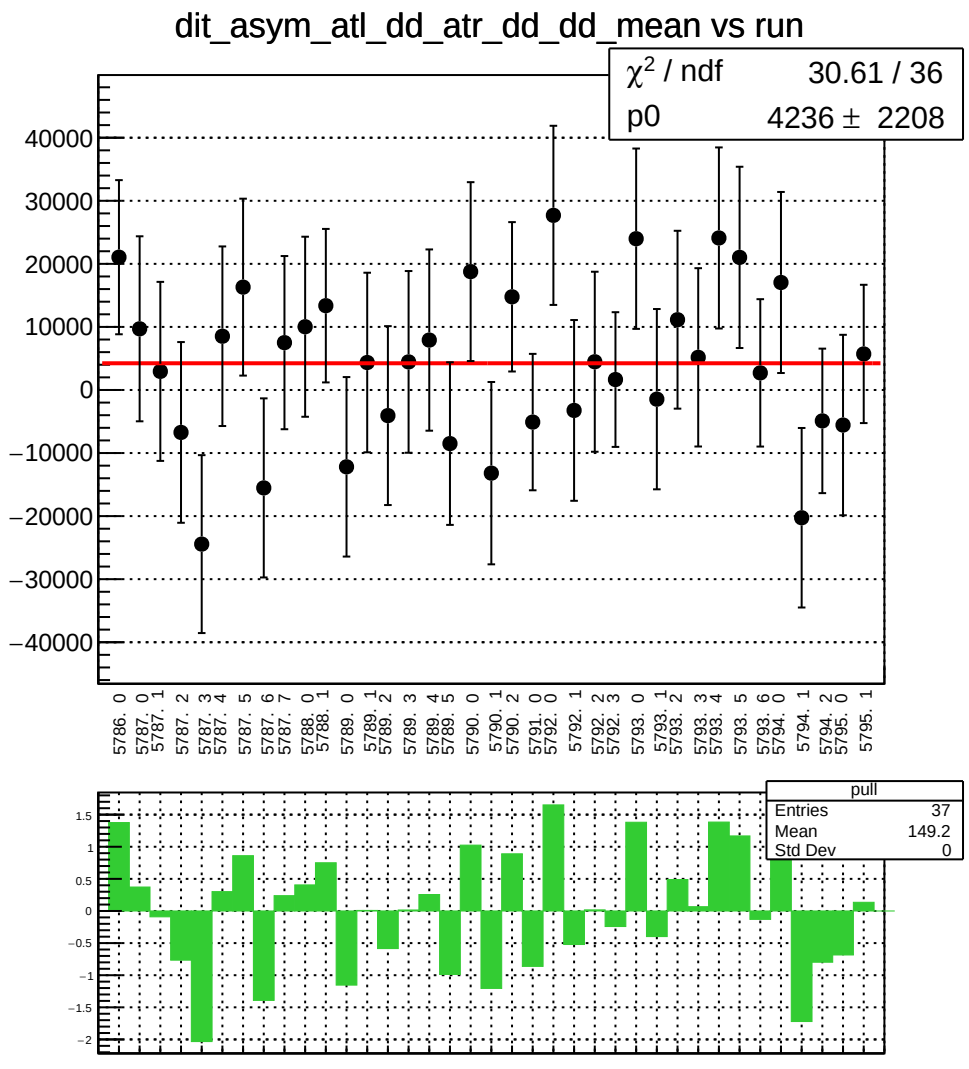

pull1D
Entries 37
Mean 0.001806
Std Dev 0.9045
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

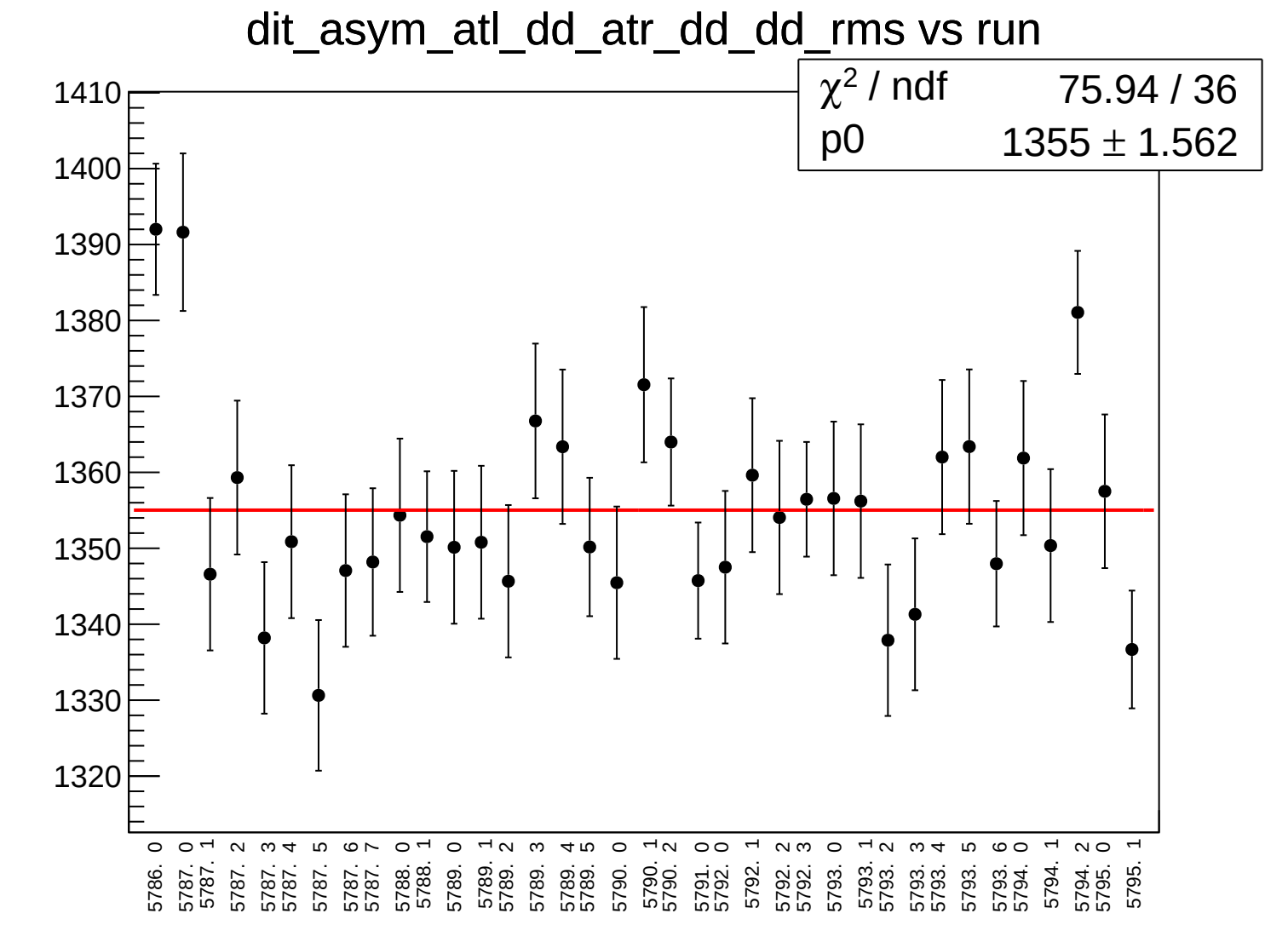

eigen_cor_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

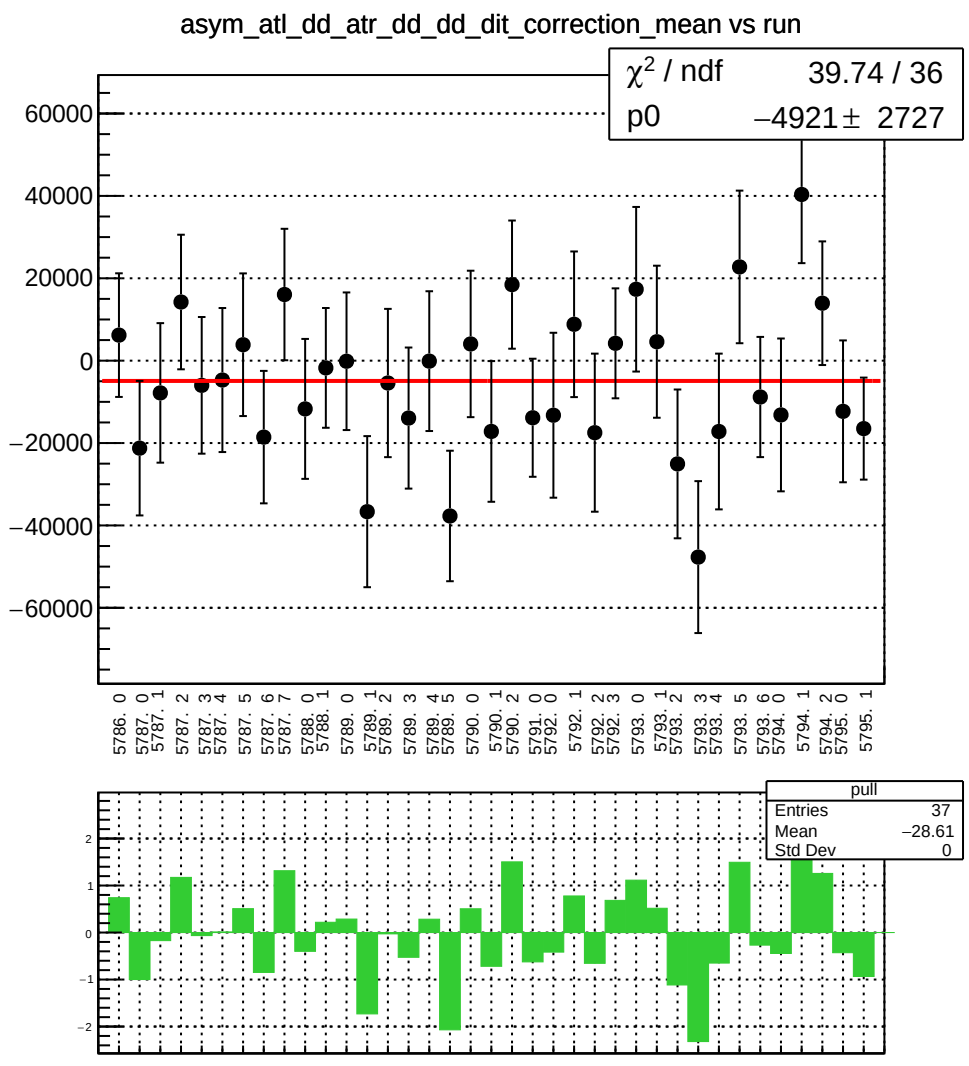

asym_atl_dd_atr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.75
Std Dev 0
2
1
0
−1
−2

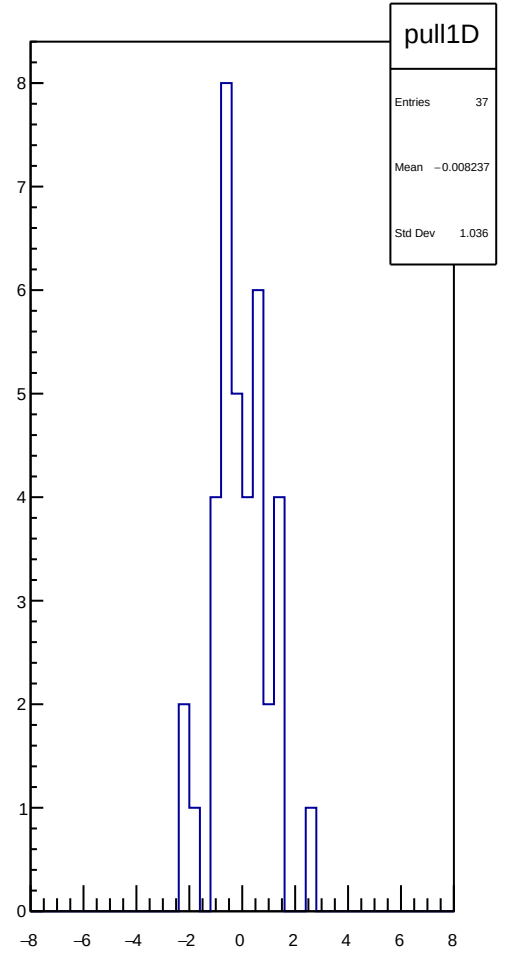

pull1D
Entries 37
Mean −0.01282
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

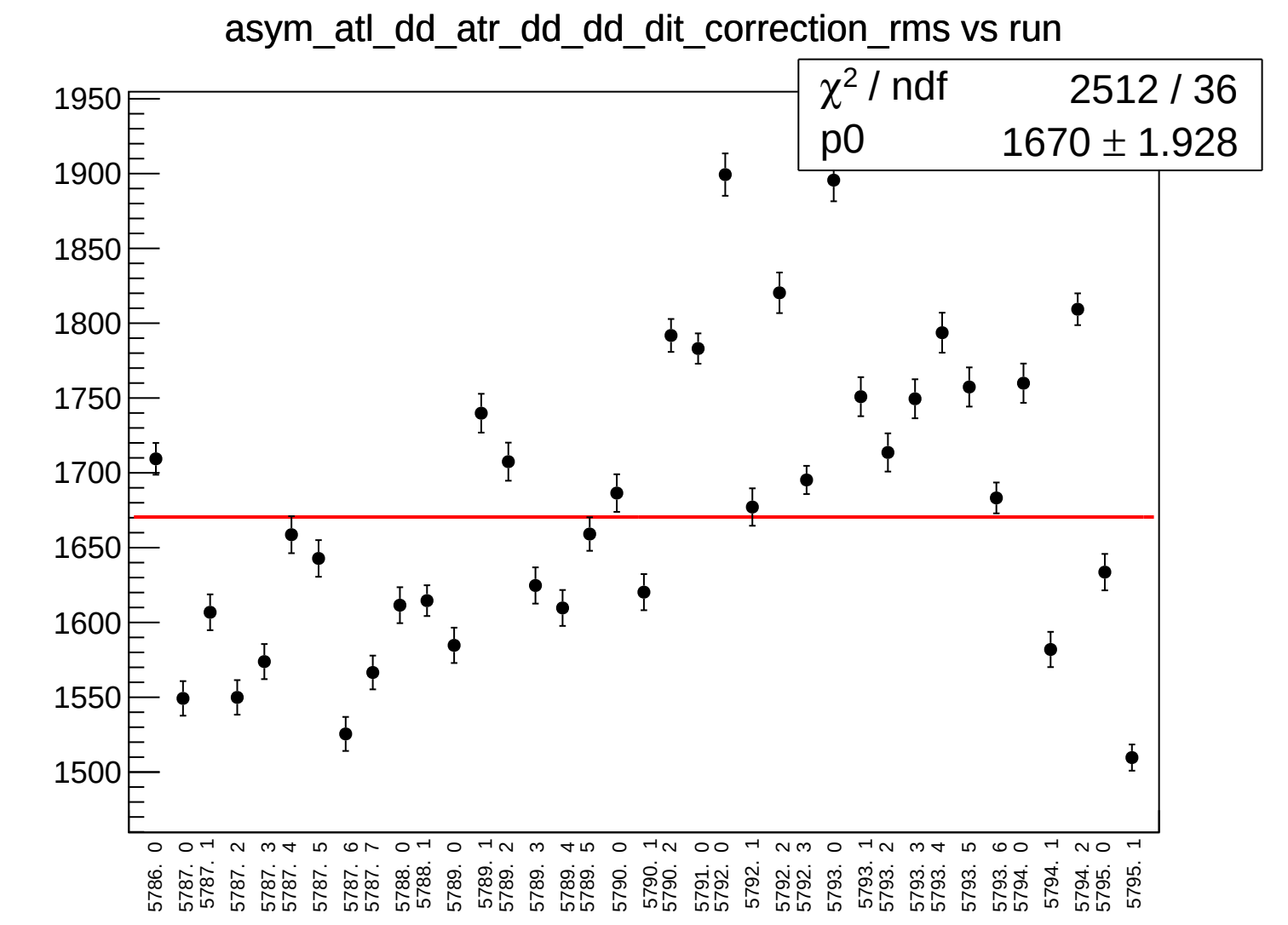

asym_atl_dd_atr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 2428 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

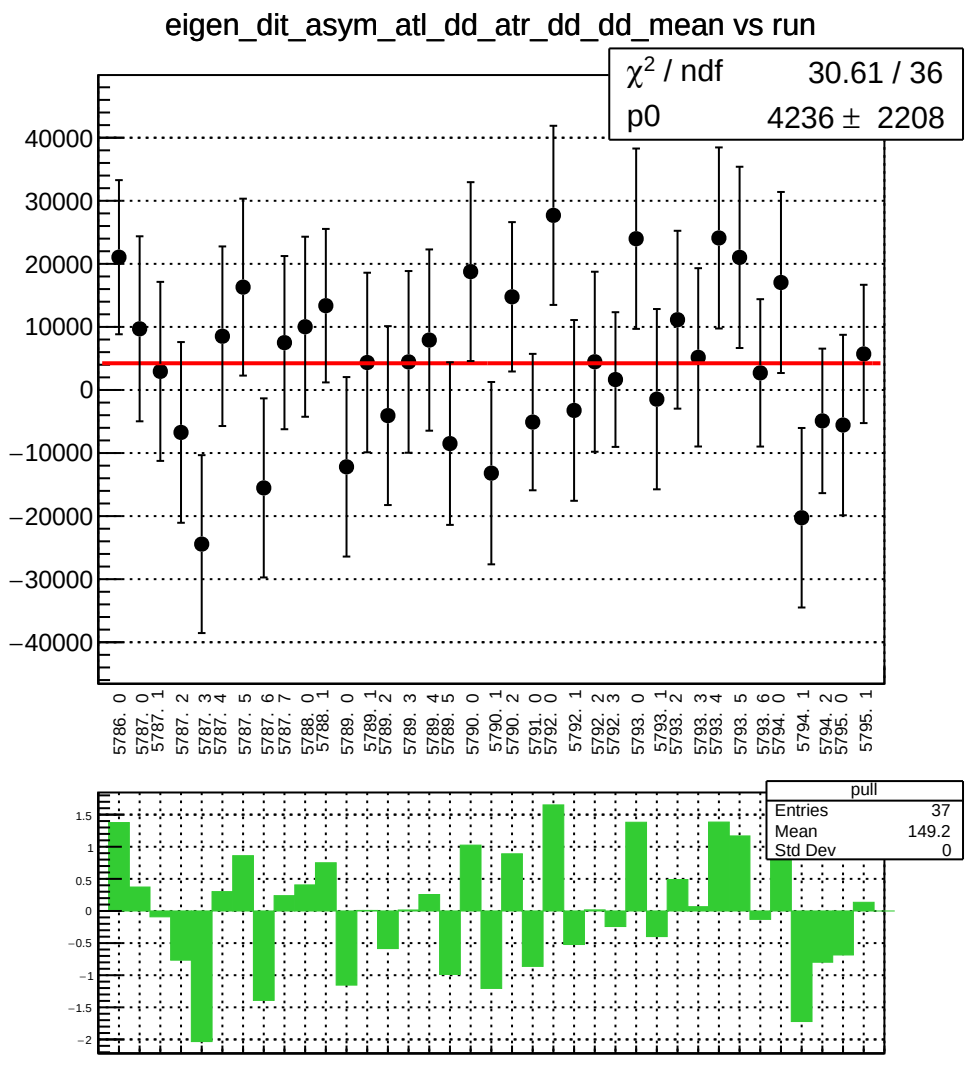

dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 30.61 / 36
p0 4236 ± 2208
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003075
Std Dev 0.9096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

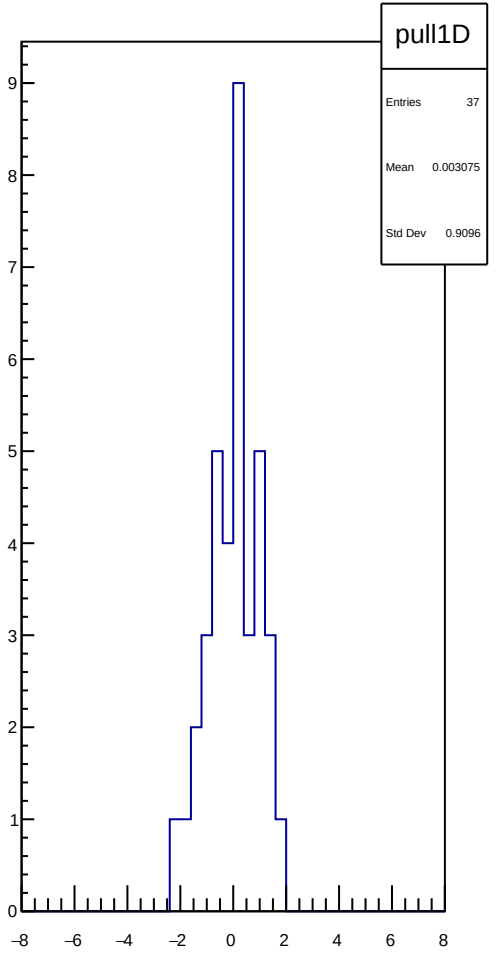

dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 75.94 / 36
p0 1355 ± 1.562
1410
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

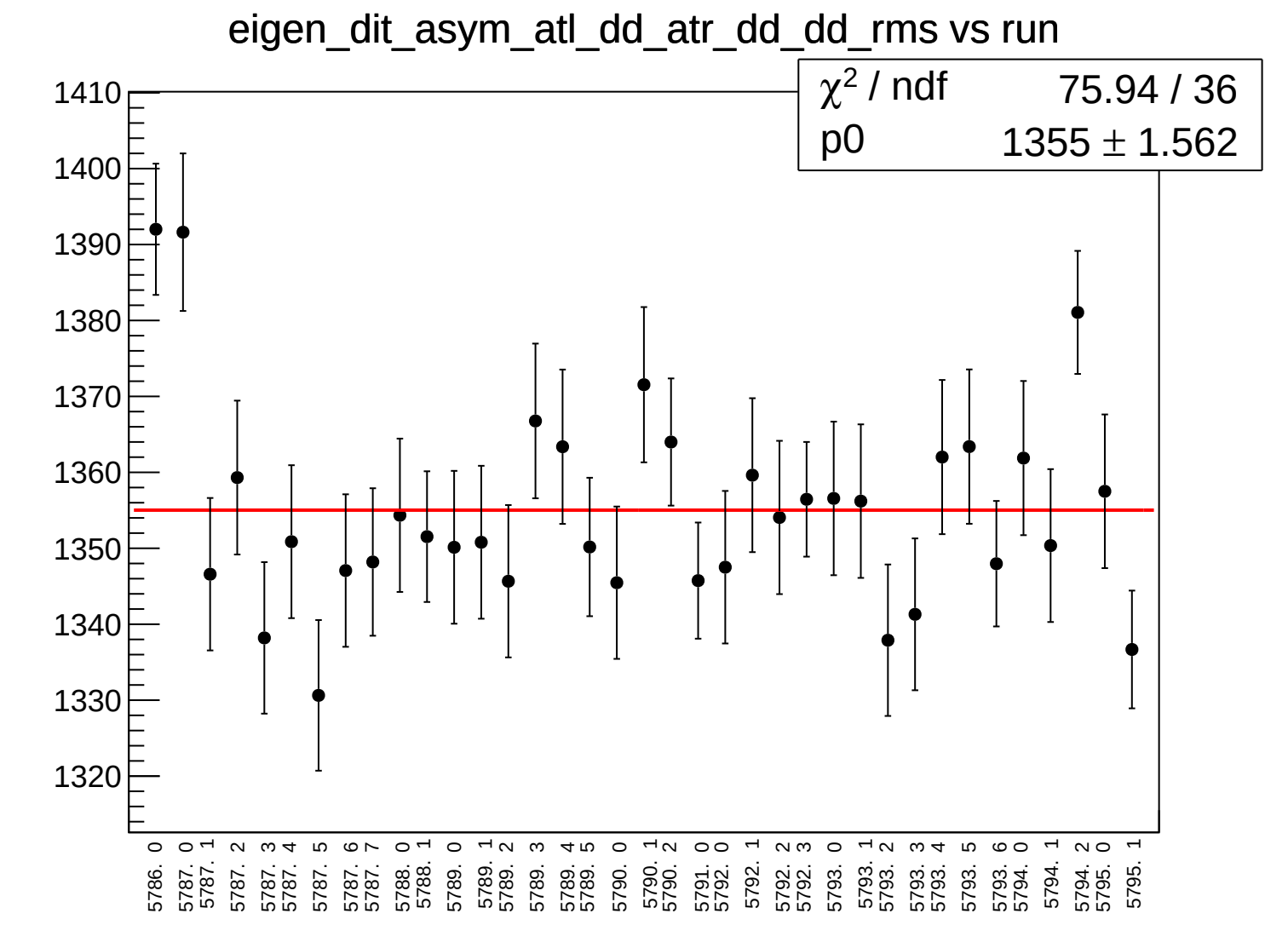

asym_atl_dd_atr_dd_dd_dit_correction_mean vs run
χ² / ndf 39.74 / 36
p0 −4921 ± 2727
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.61
Std Dev 0
2
1
0
−1
−2

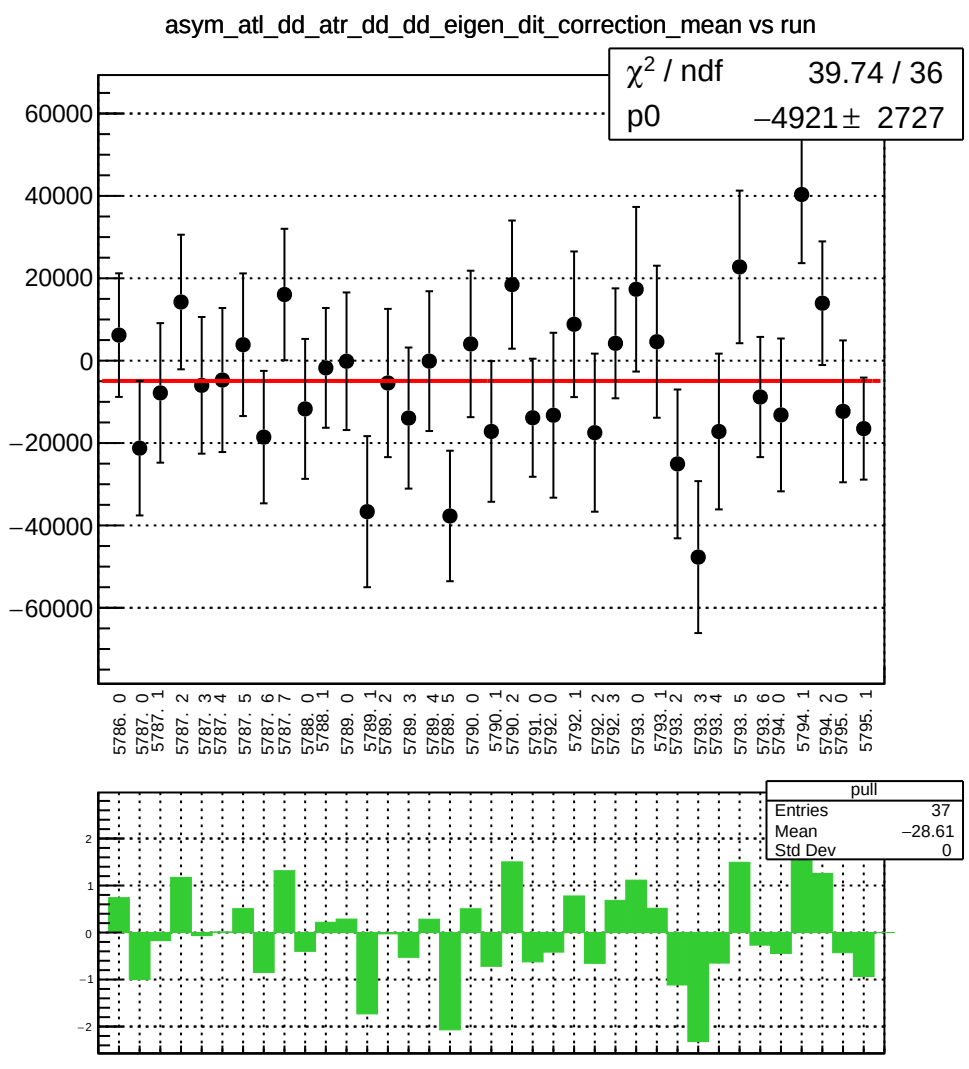

pull1D
Entries 37
Mean −0.008237
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

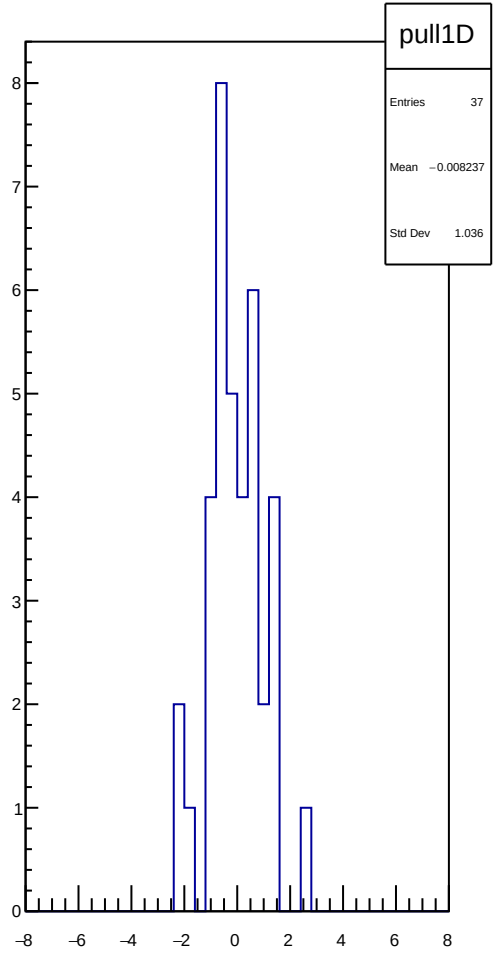

asym_atl_dd_atr_dd_dd_dit_correction_rms vs run
χ² / ndf 2512 / 36
p0 1670 ± 1.928
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

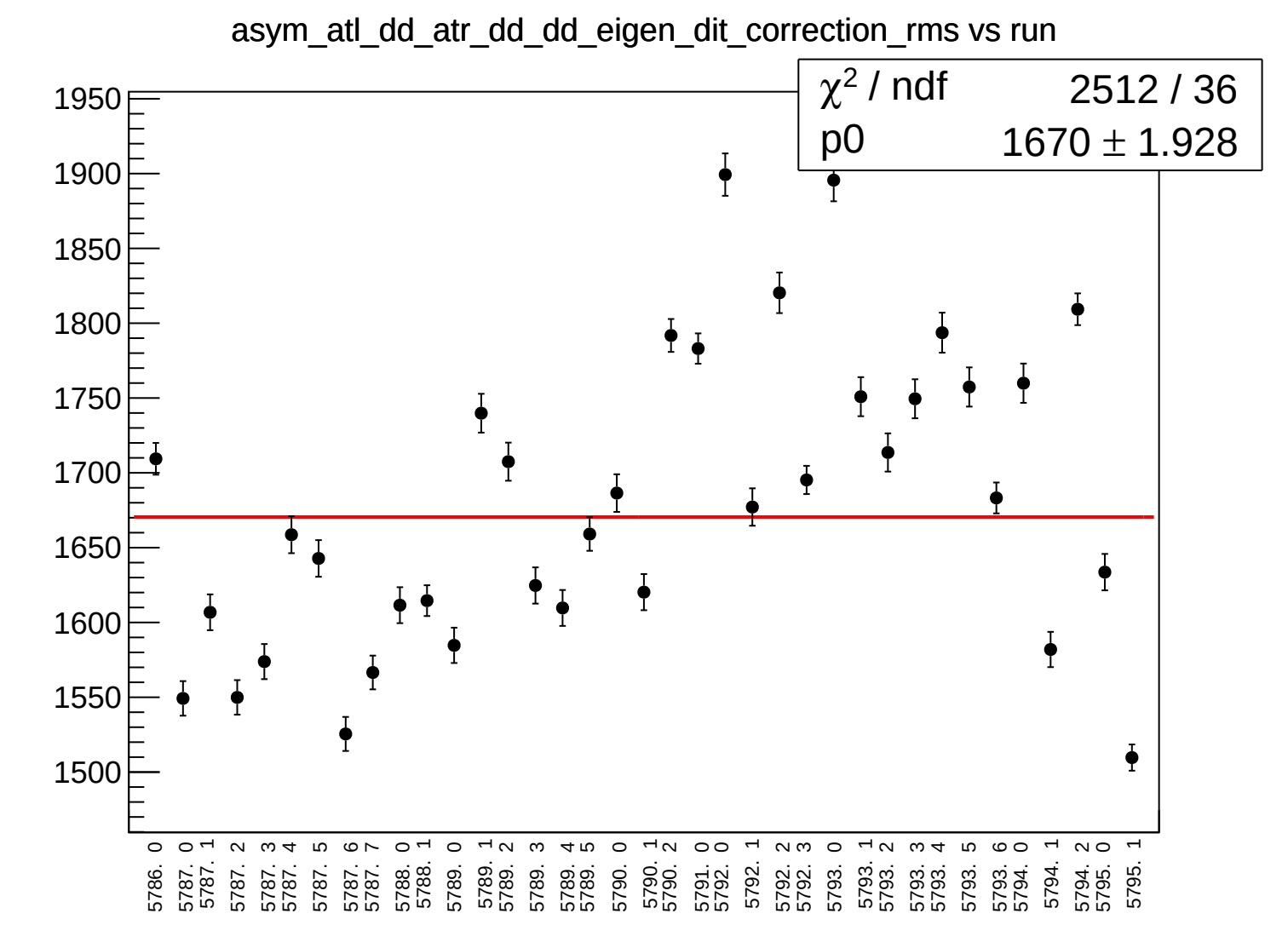

eigen_dit_asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 30.61 / 36
p0 4236 ± 2208
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

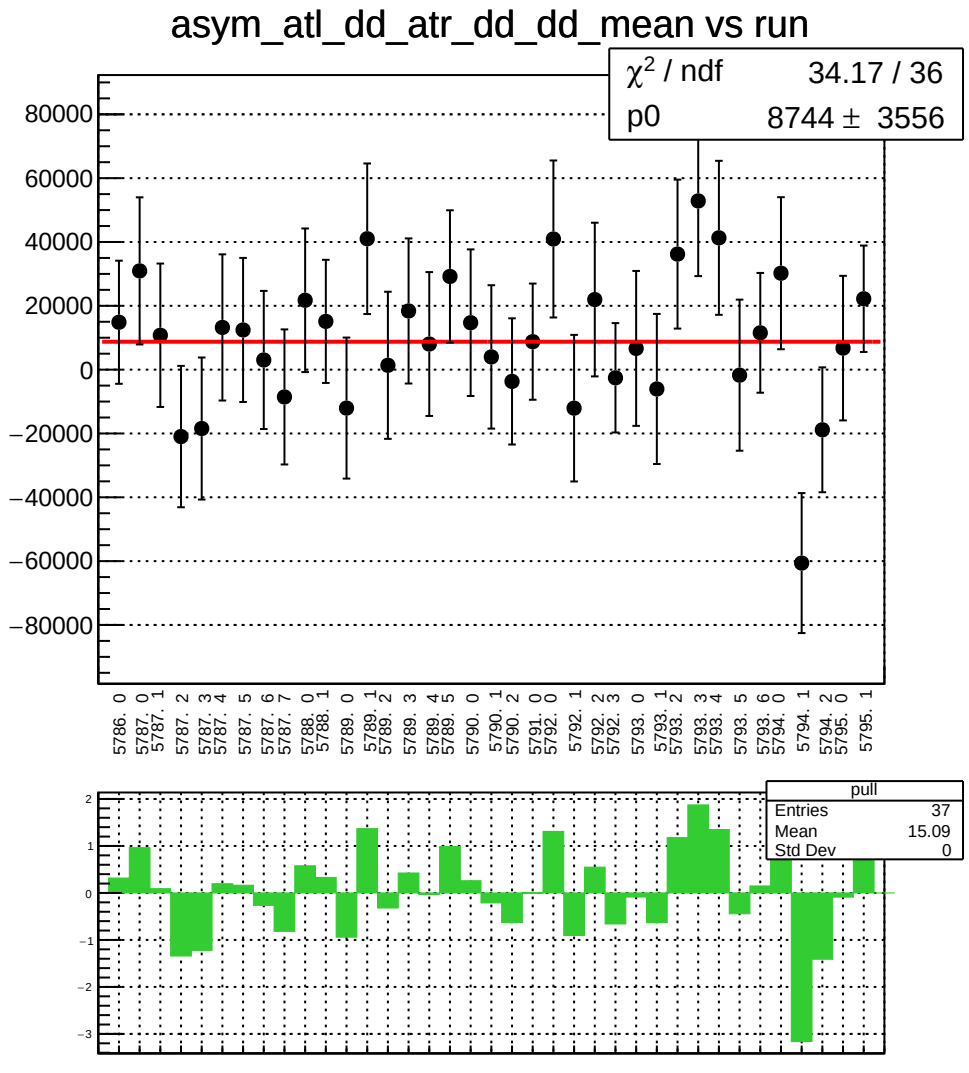

pull1D
Entries 37
Mean 0.003075
Std Dev 0.9096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

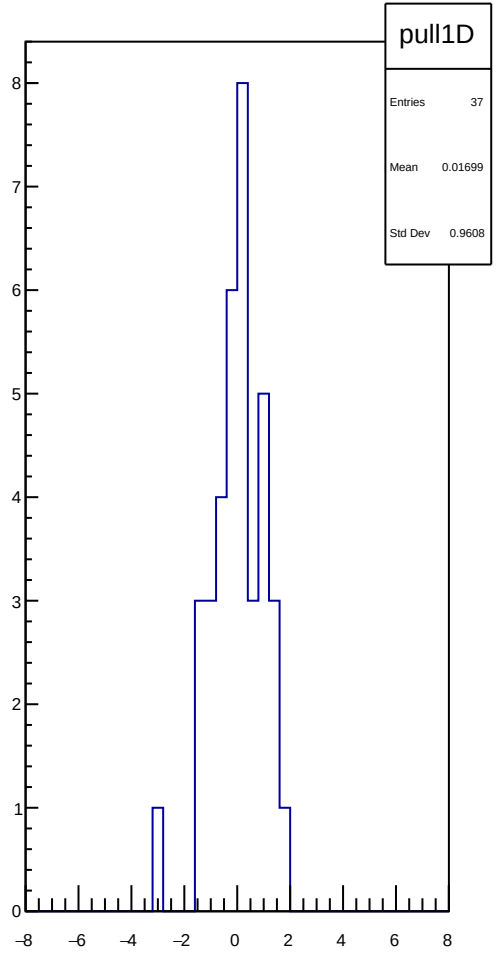

eigen_dit_asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 75.94 / 36
p0 1355 ± 1.562
1410
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

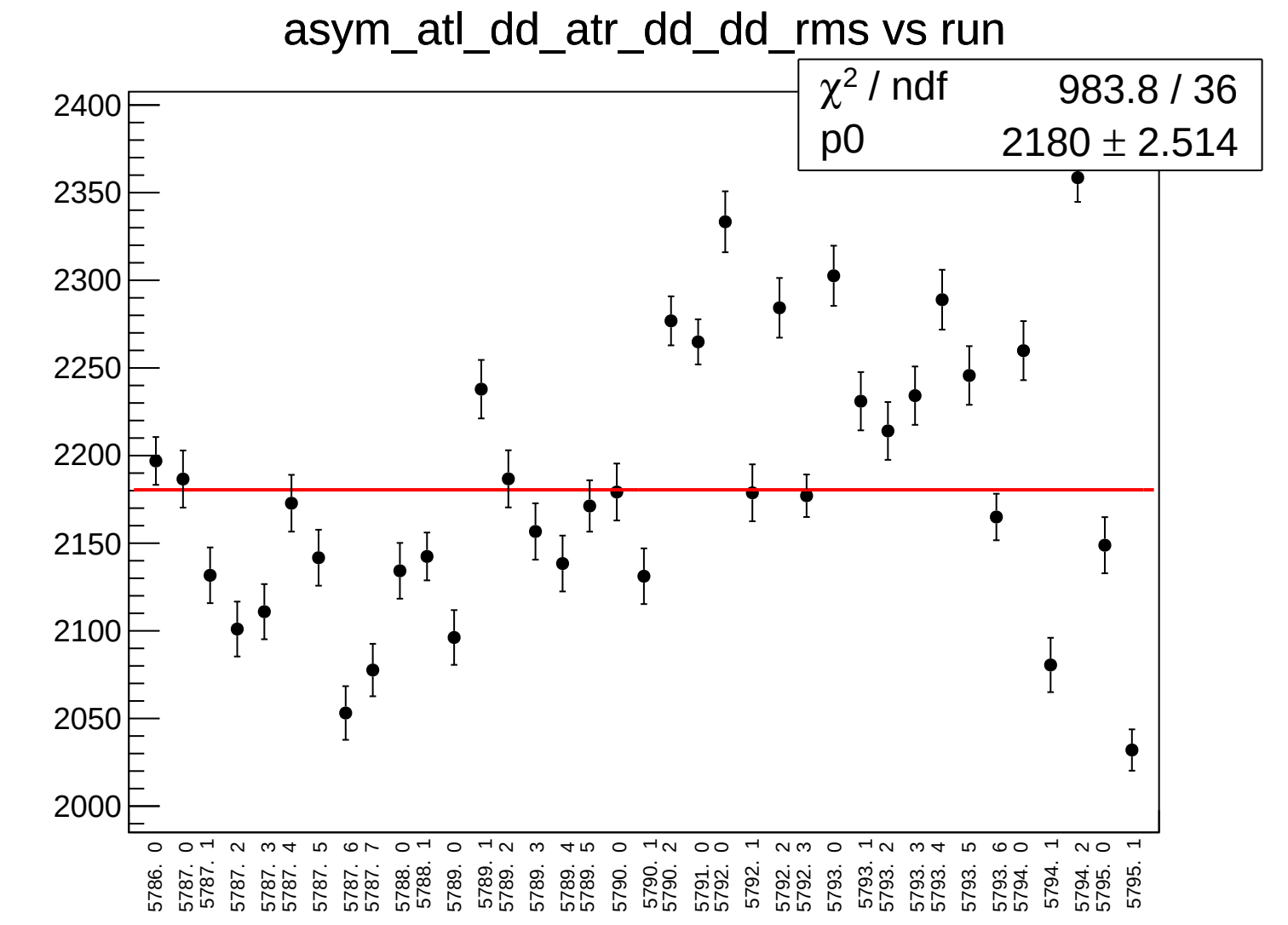

asym_atl_dd_atr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 39.74 / 36
p0 −4921 ± 2727
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.61
Std Dev 0
2
1
0
−1
−2

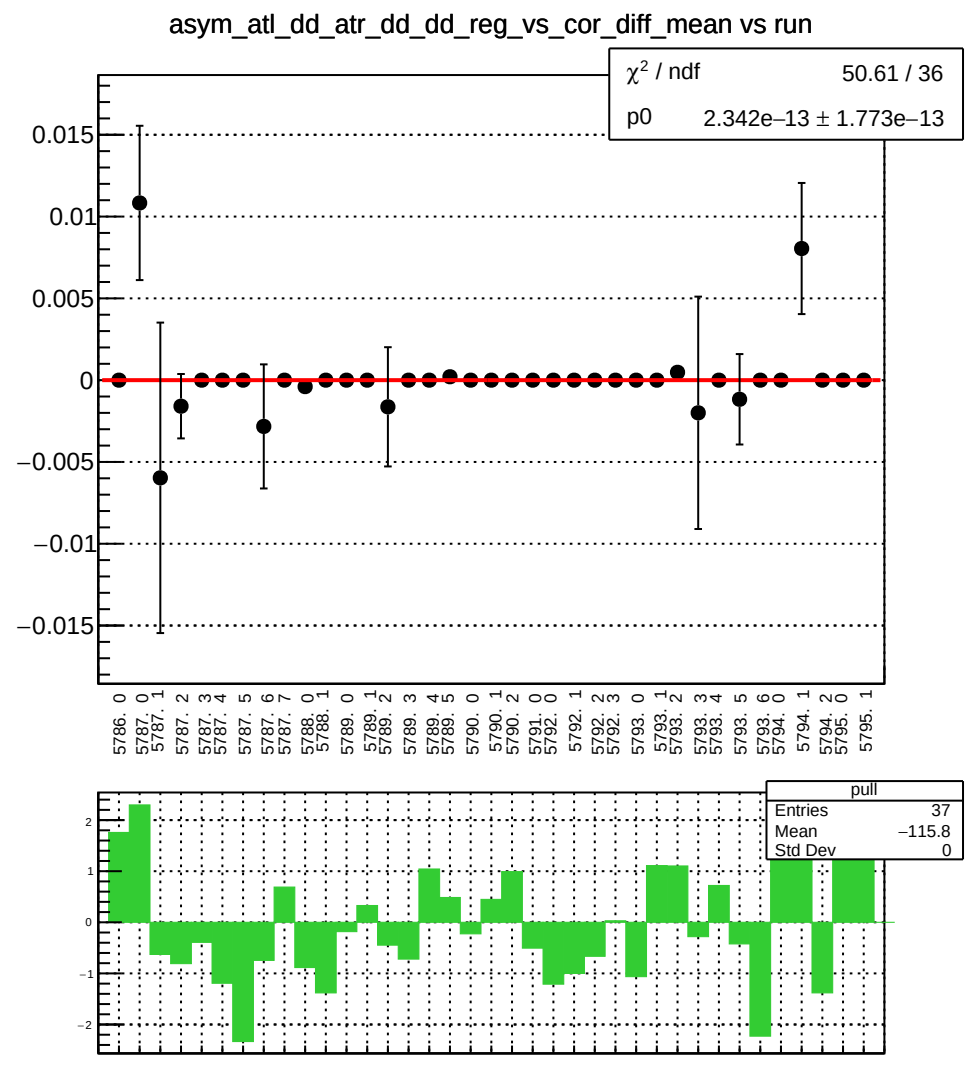

pull1D
Entries 37
Mean −0.008237
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

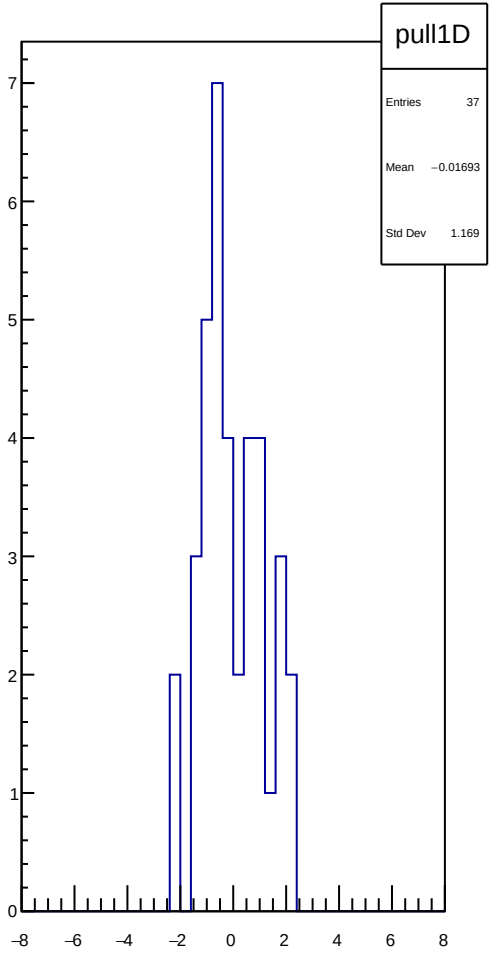

asym_atl_dd_atr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 2512 / 36
p0 1670 ± 1.928
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

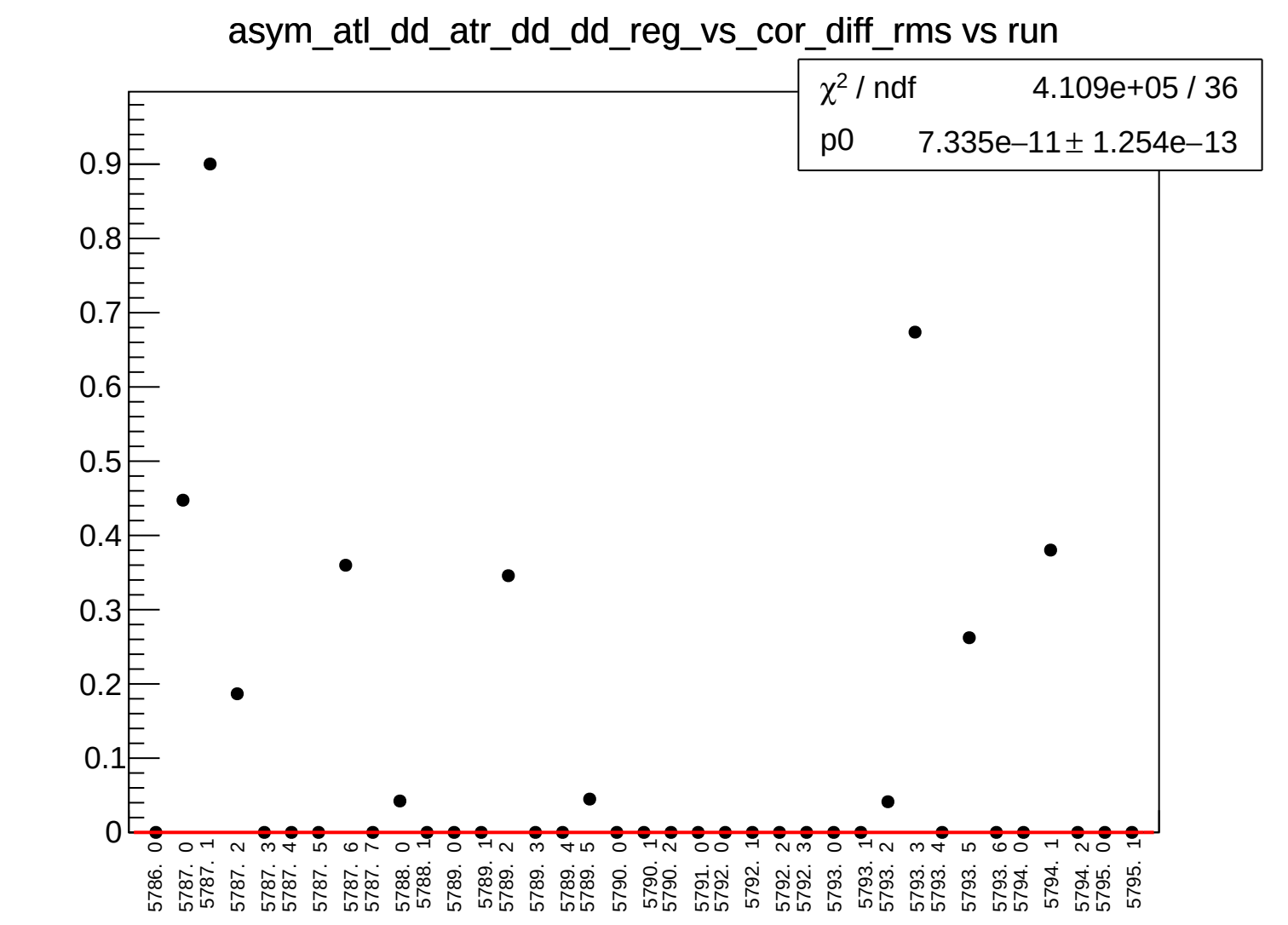

asym_atl_dd_atr_dd_dd_mean vs run
χ² / ndf 34.17 / 36
p0 8744 ± 3556
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.09
Std Dev 0
2
1
0
−1
−2
−3

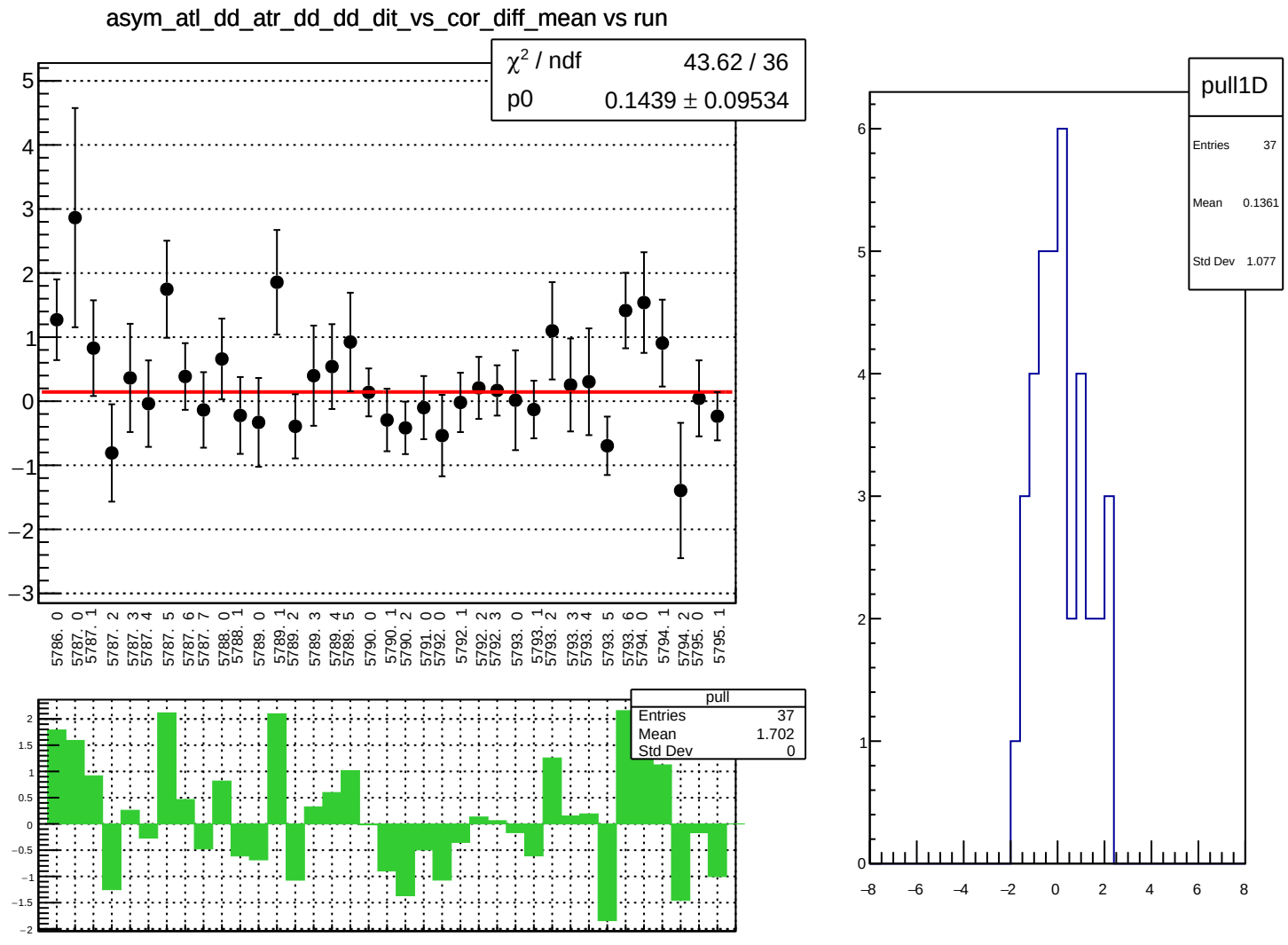

pull1D
Entries 37
Mean 0.01699
Std Dev 0.9608
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

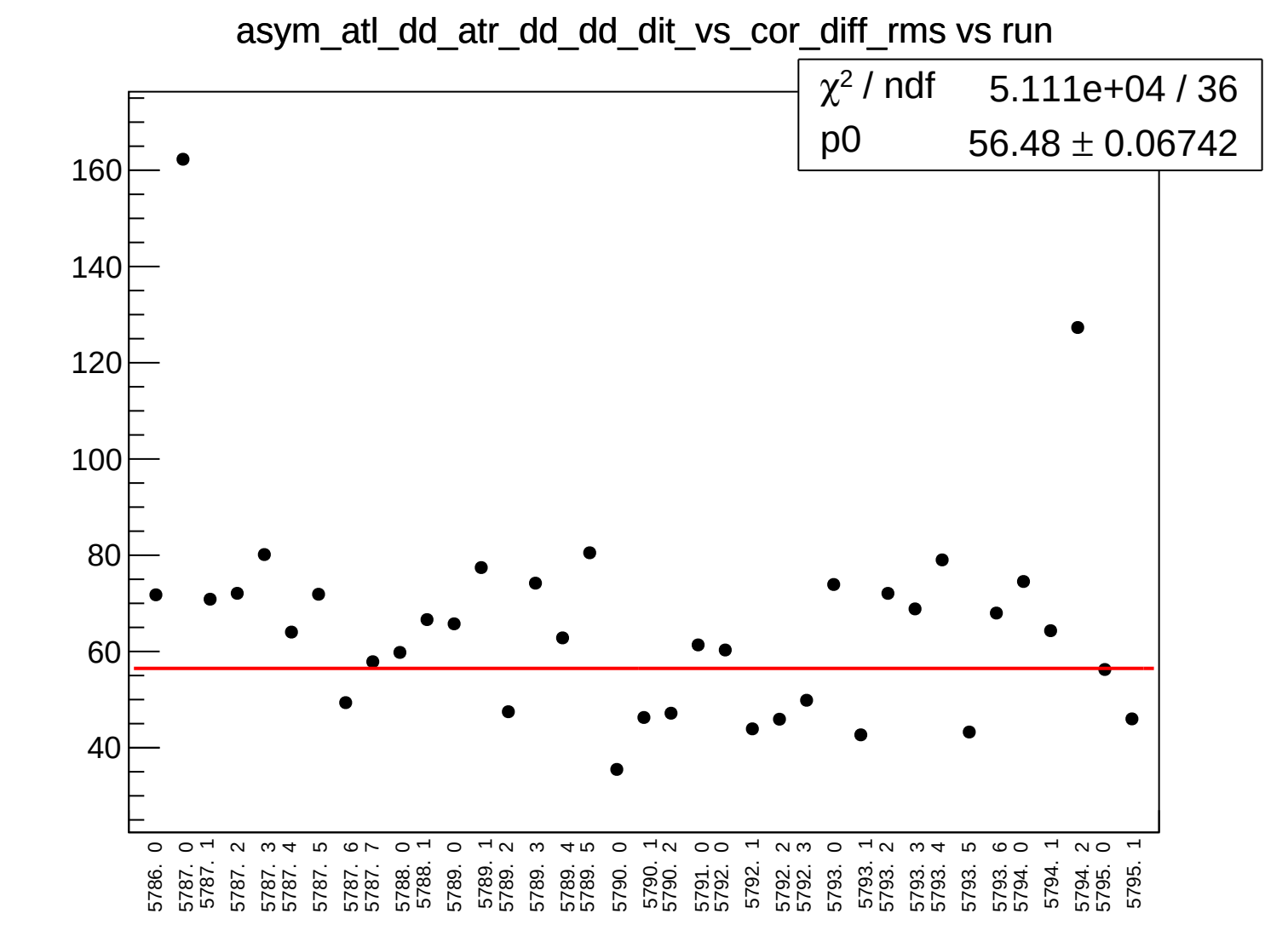

asym_atl_dd_atr_dd_dd_rms vs run
χ² / ndf 983.8 / 36
p0 2180 ± 2.514
2400
2350
2300
2250
2200
2150
2100
2050
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

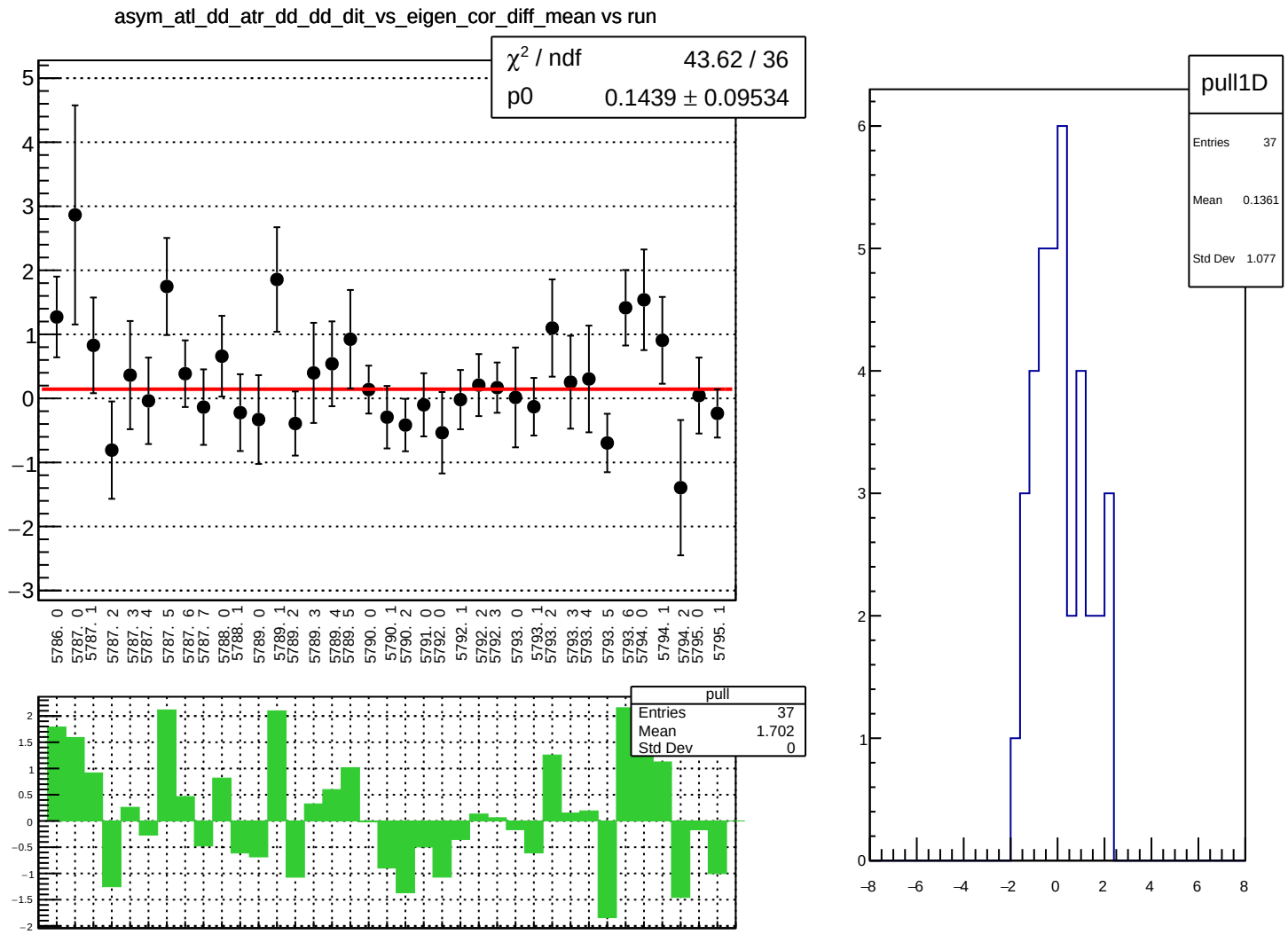

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.61 / 36
p0 2.342e−13 ± 1.773e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −115.8
Std Dev 0
2
1
0
−1
−2

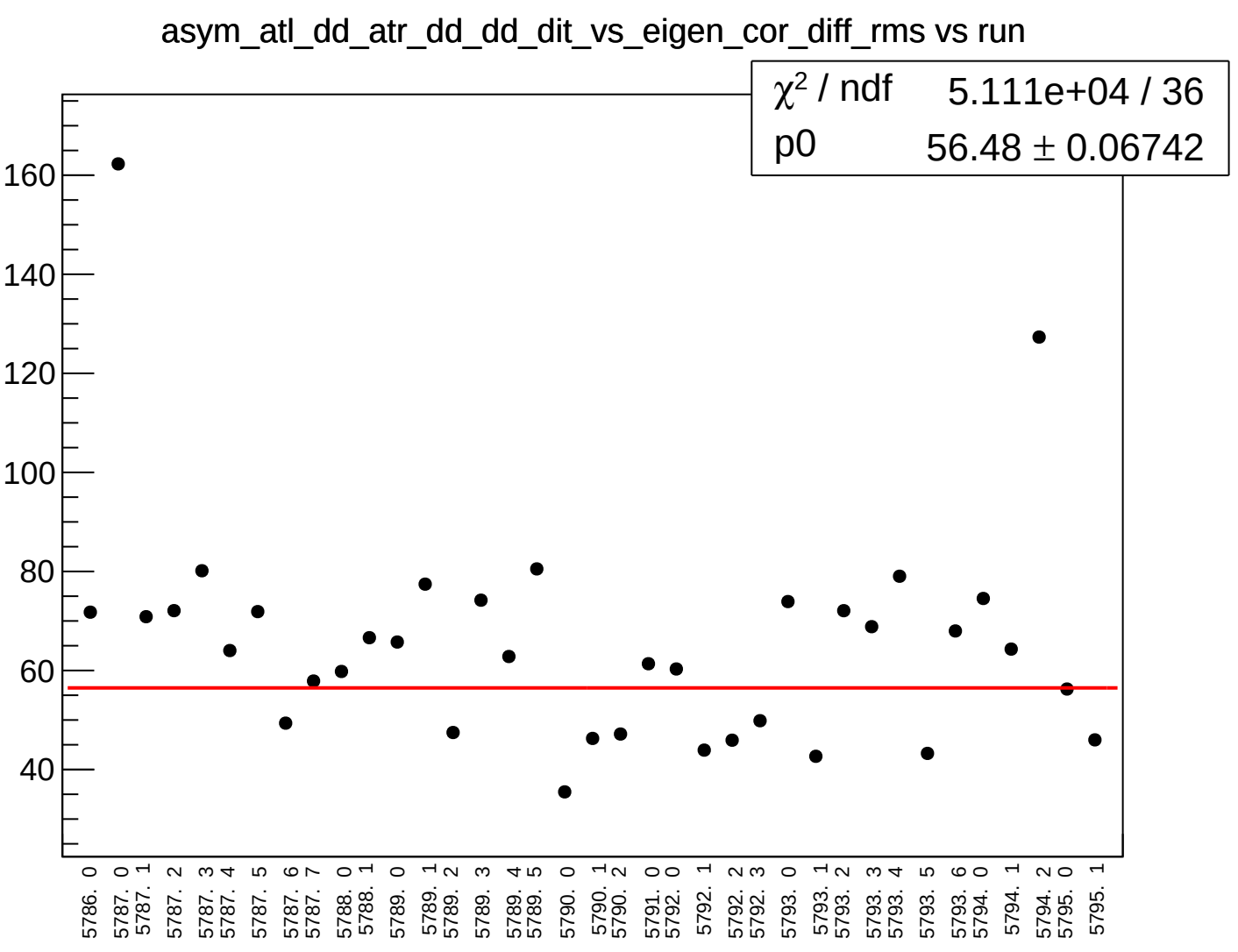

pull1D
Entries 37
Mean −0.01693
Std Dev 1.169
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

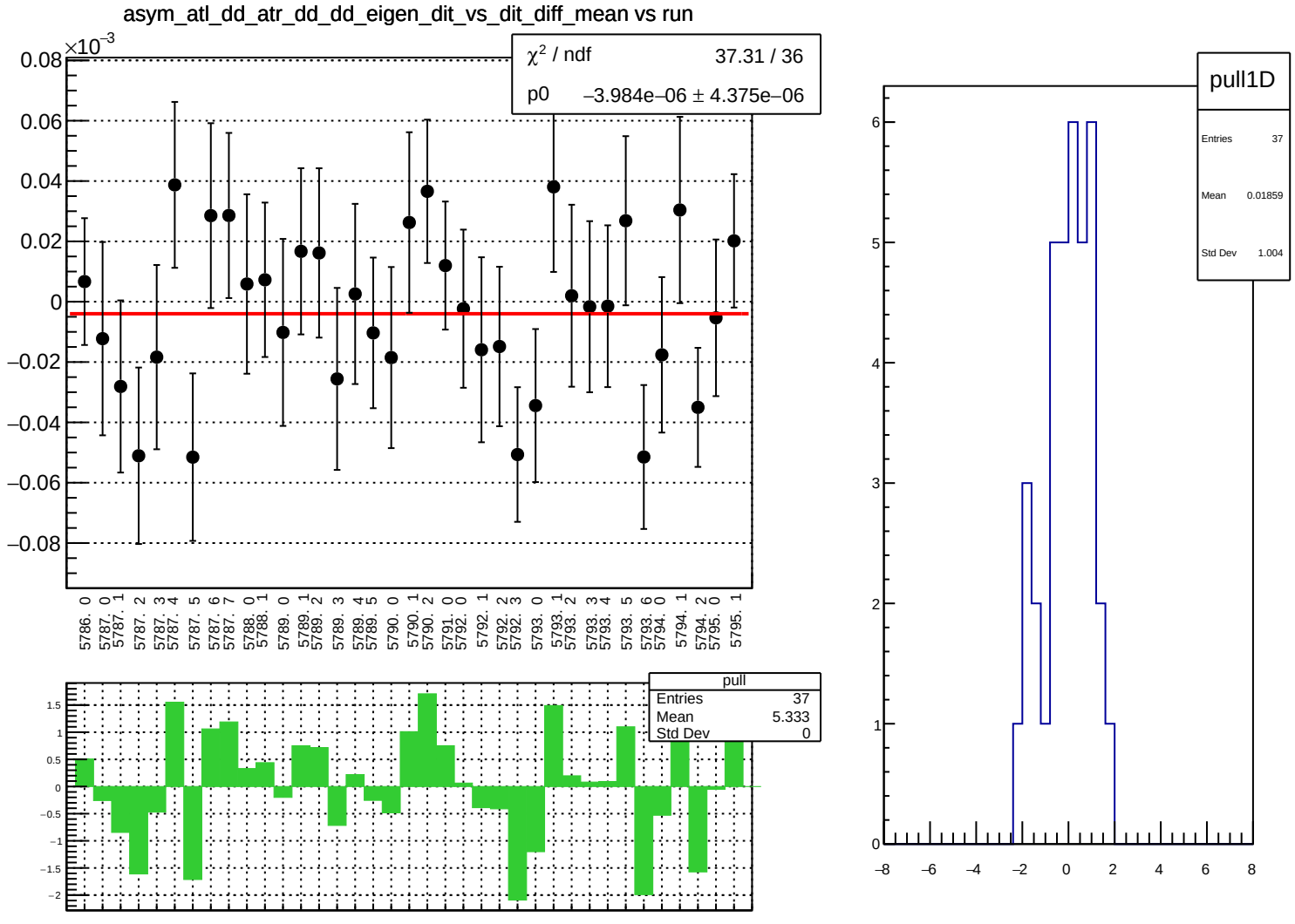

asym_atl_dd_atr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.109e+05 / 36
p0 7.335e−11 ± 1.254e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

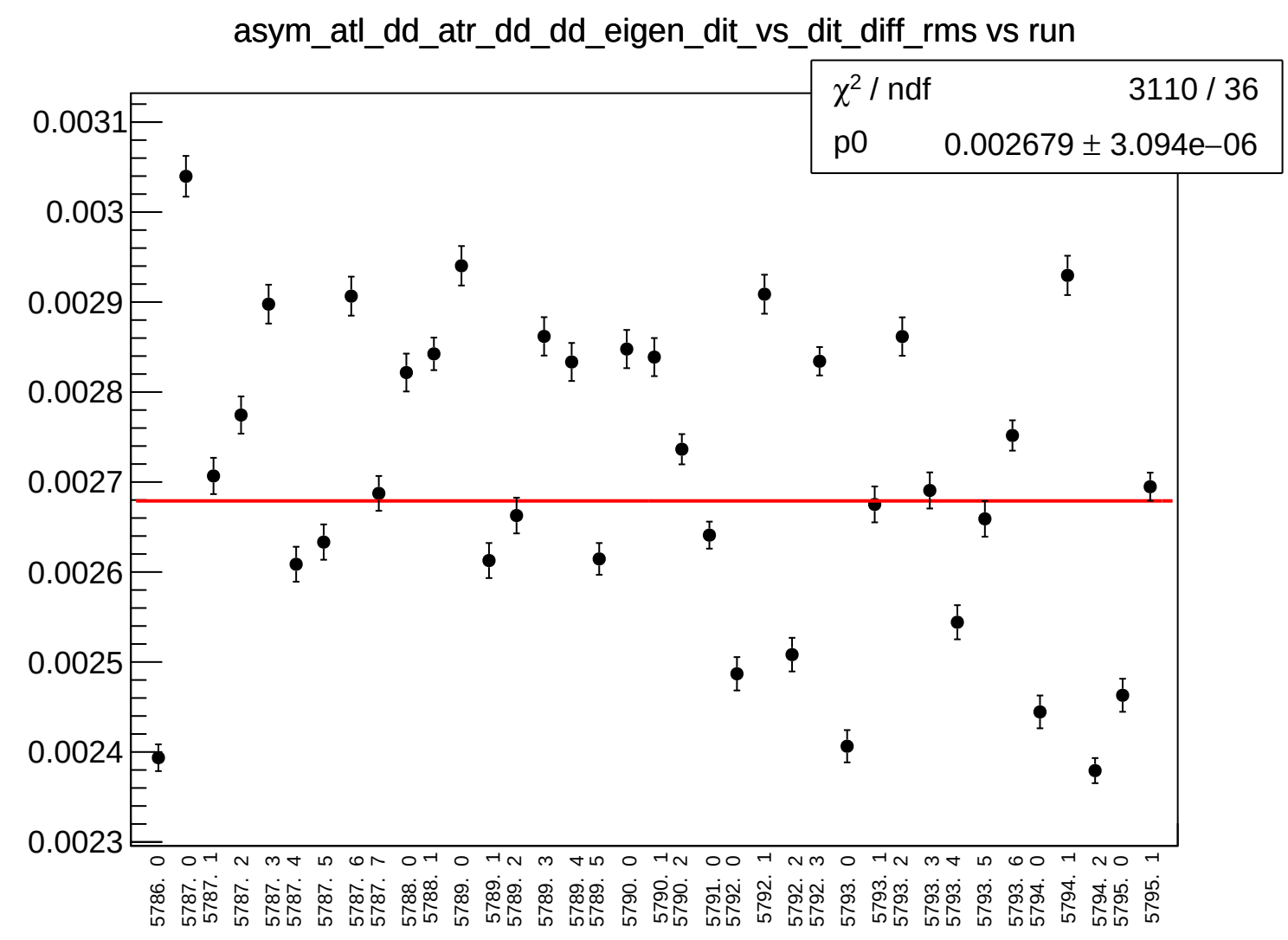

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5
4
3
2
1
0
−1
−2
−3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

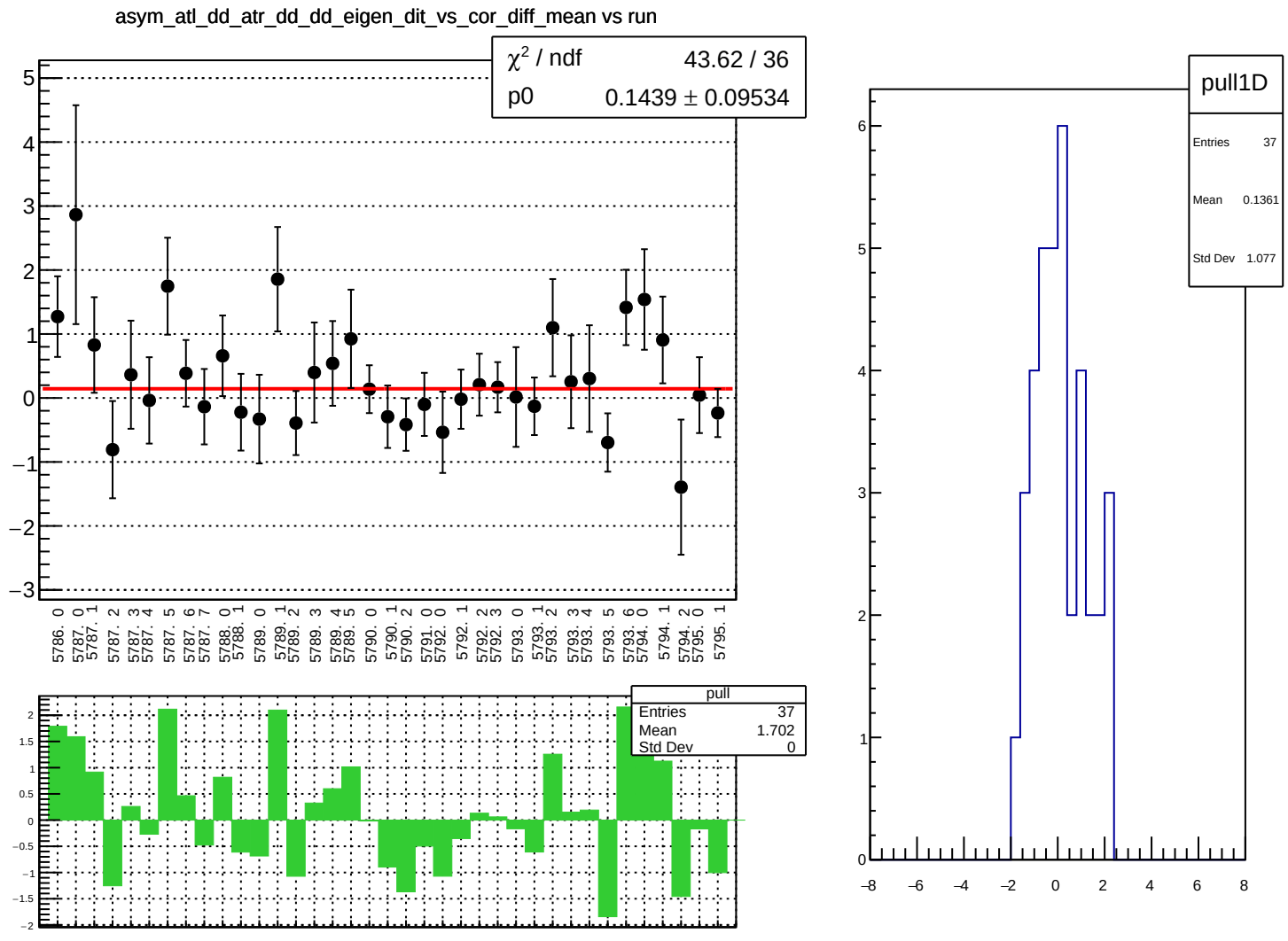

asym_atl_dd_atr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

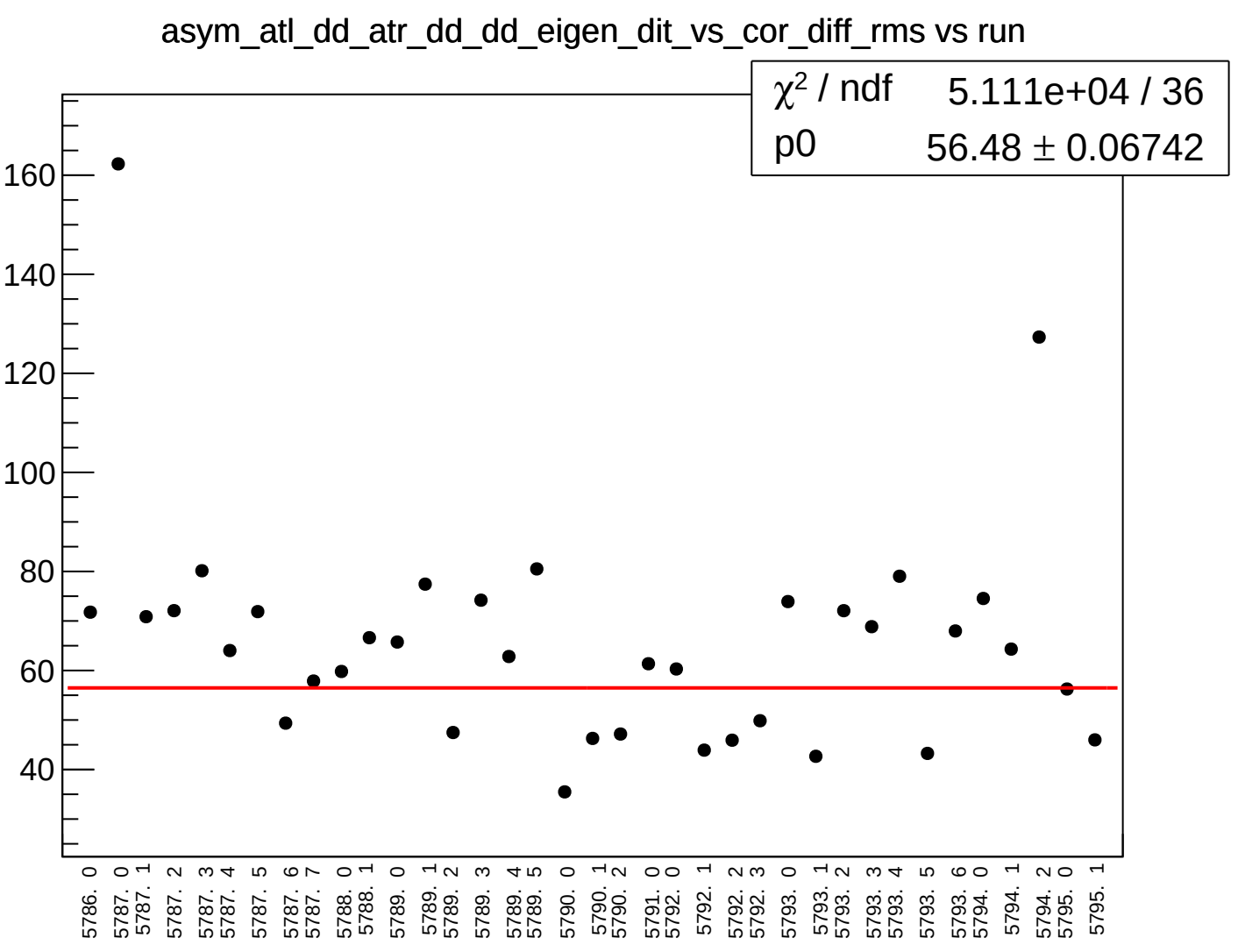

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077

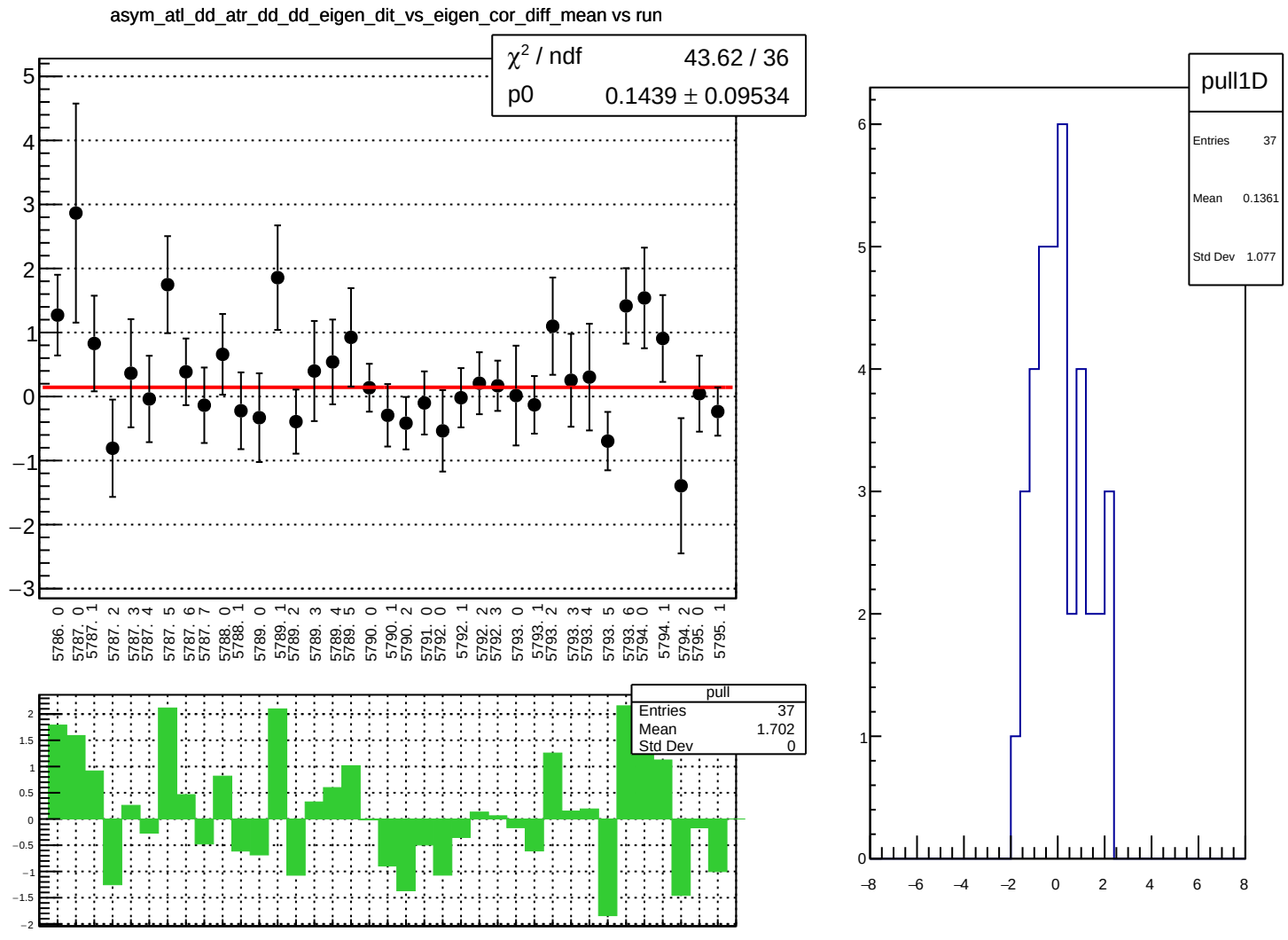

asym_atl_dd_atr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

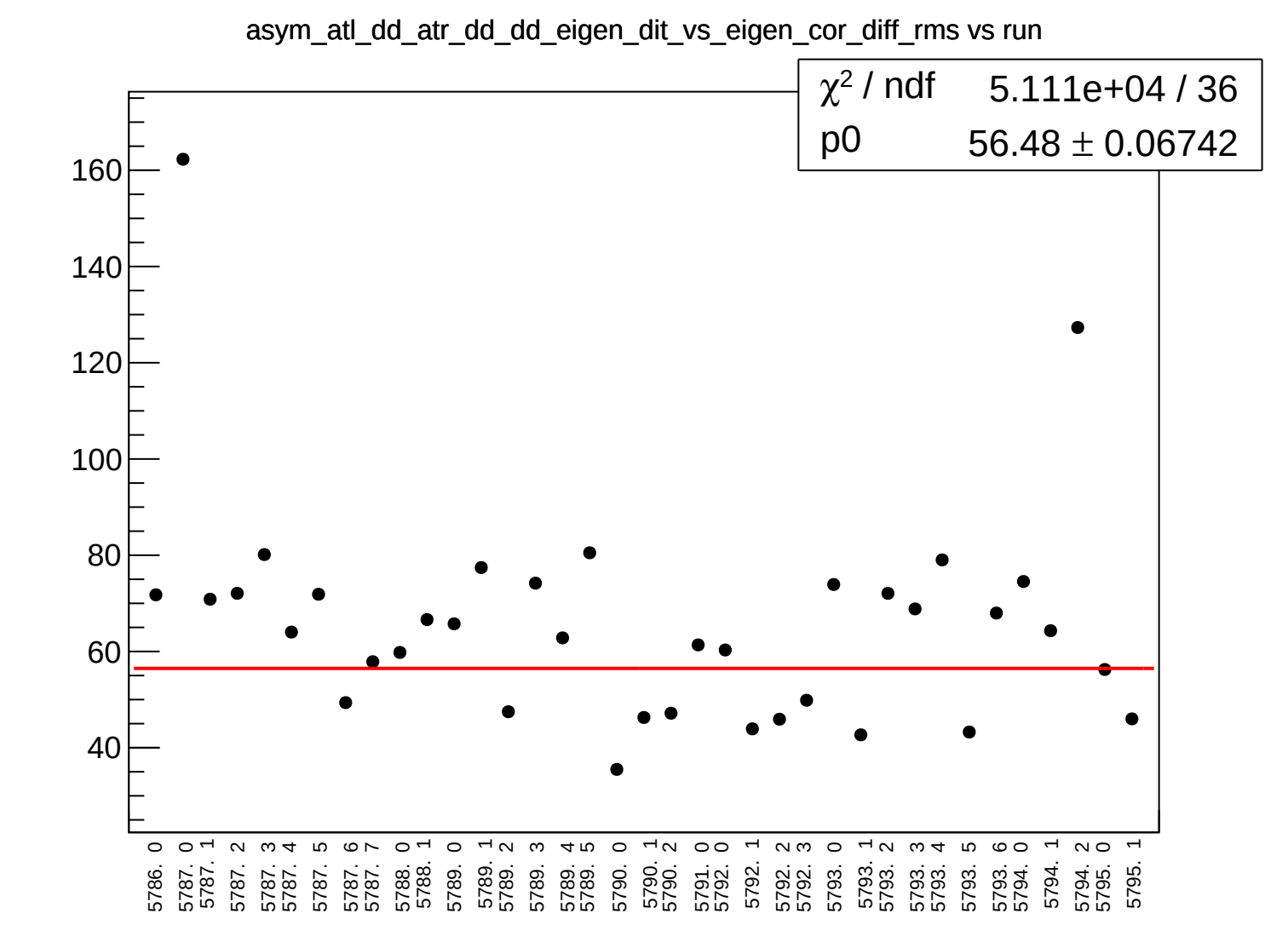

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.31 / 36
p0 −3.984e−06 ± 4.375e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 5.333
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01859
Std Dev 1.004
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

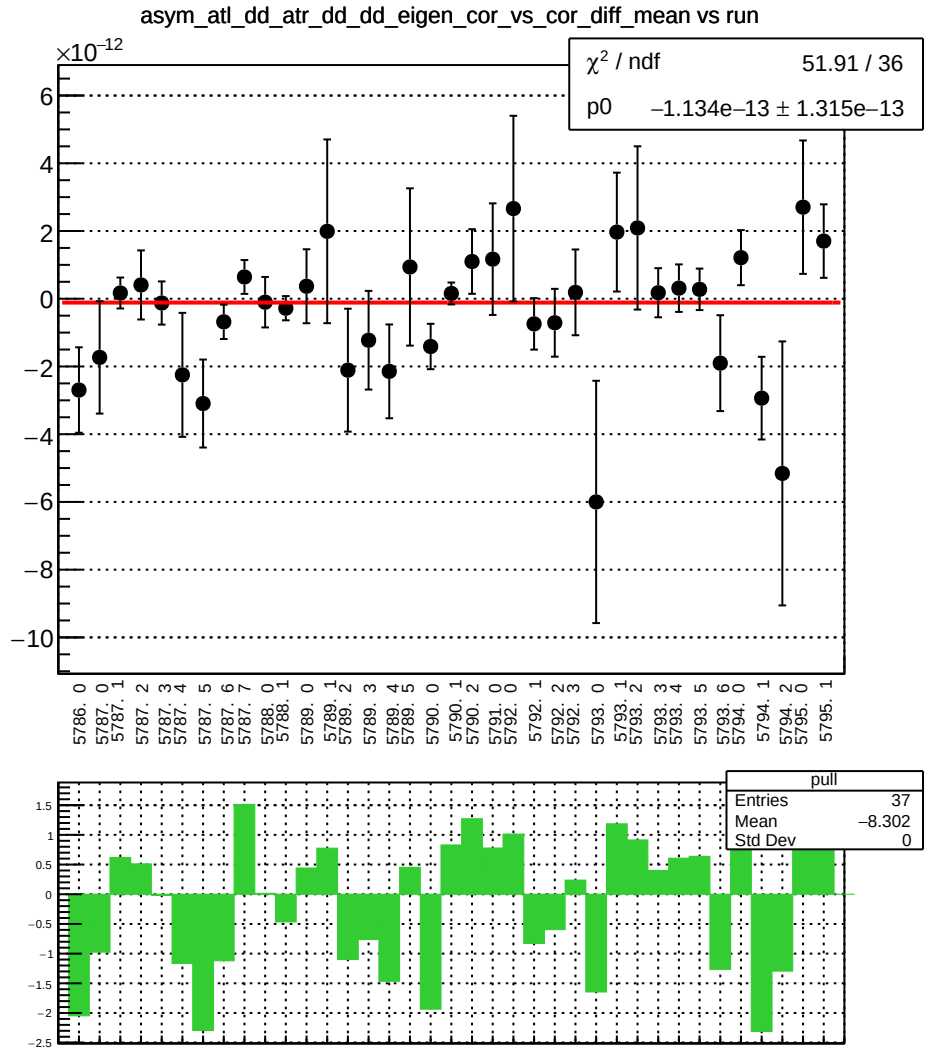

asym_atl_dd_atr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3110 / 36
p0 0.002679 ± 3.094e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

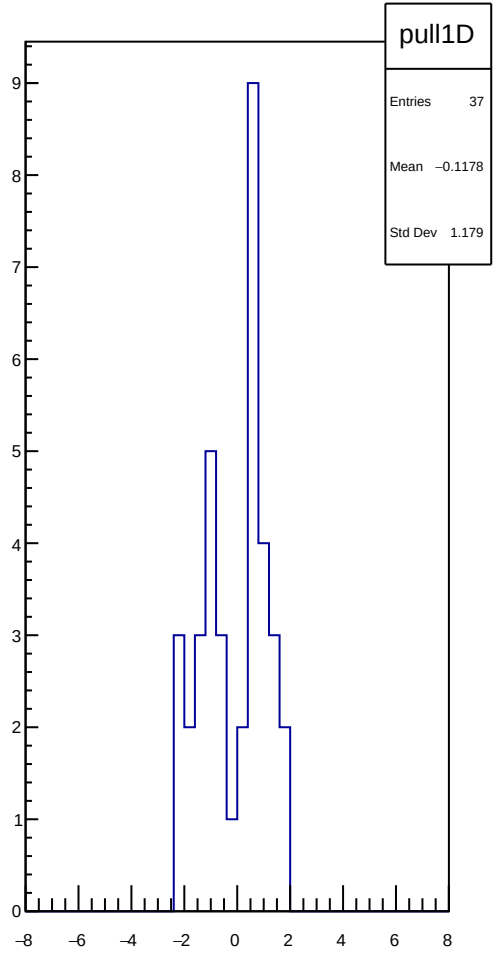

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077

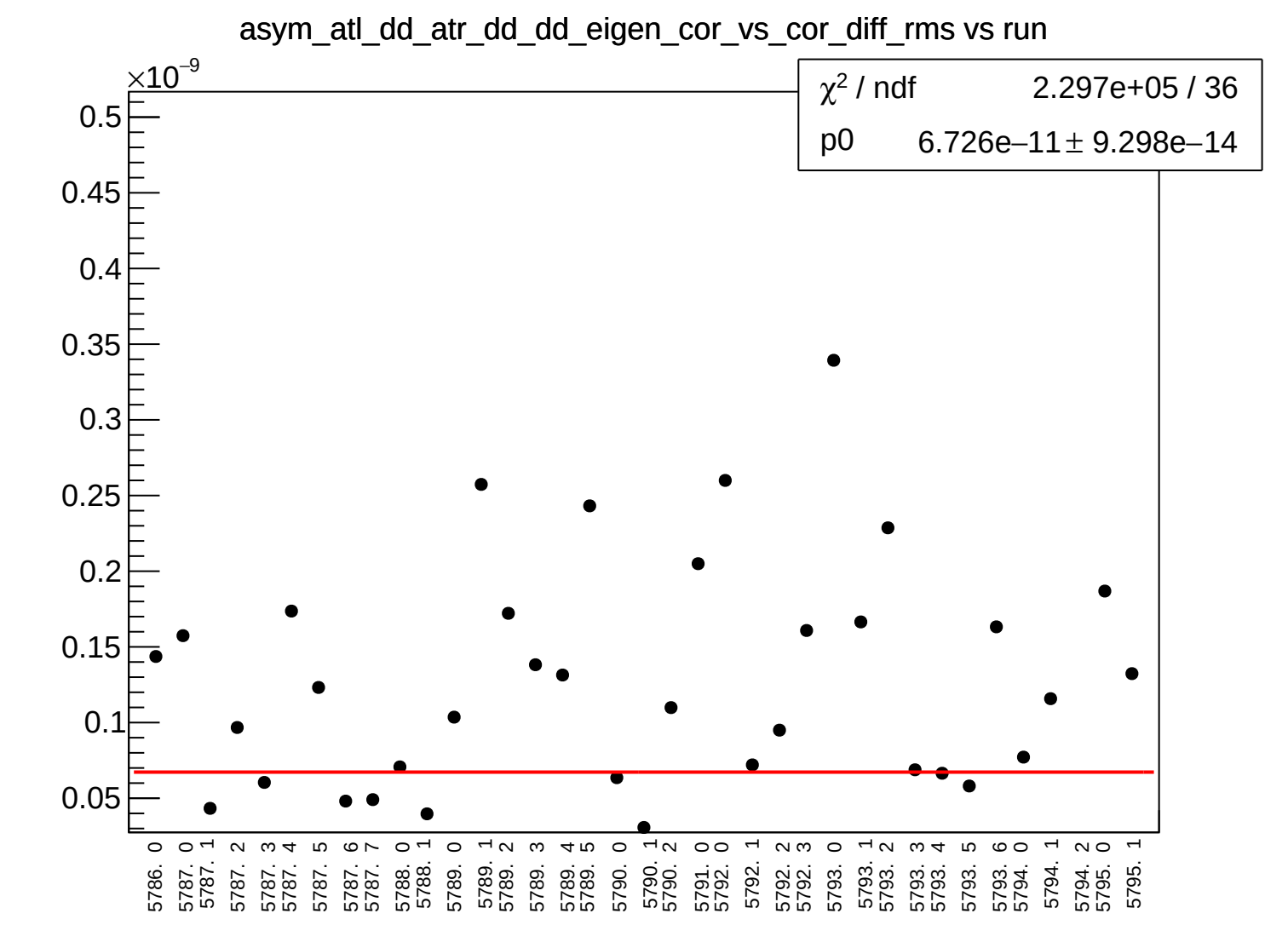

asym_atl_dd_atr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

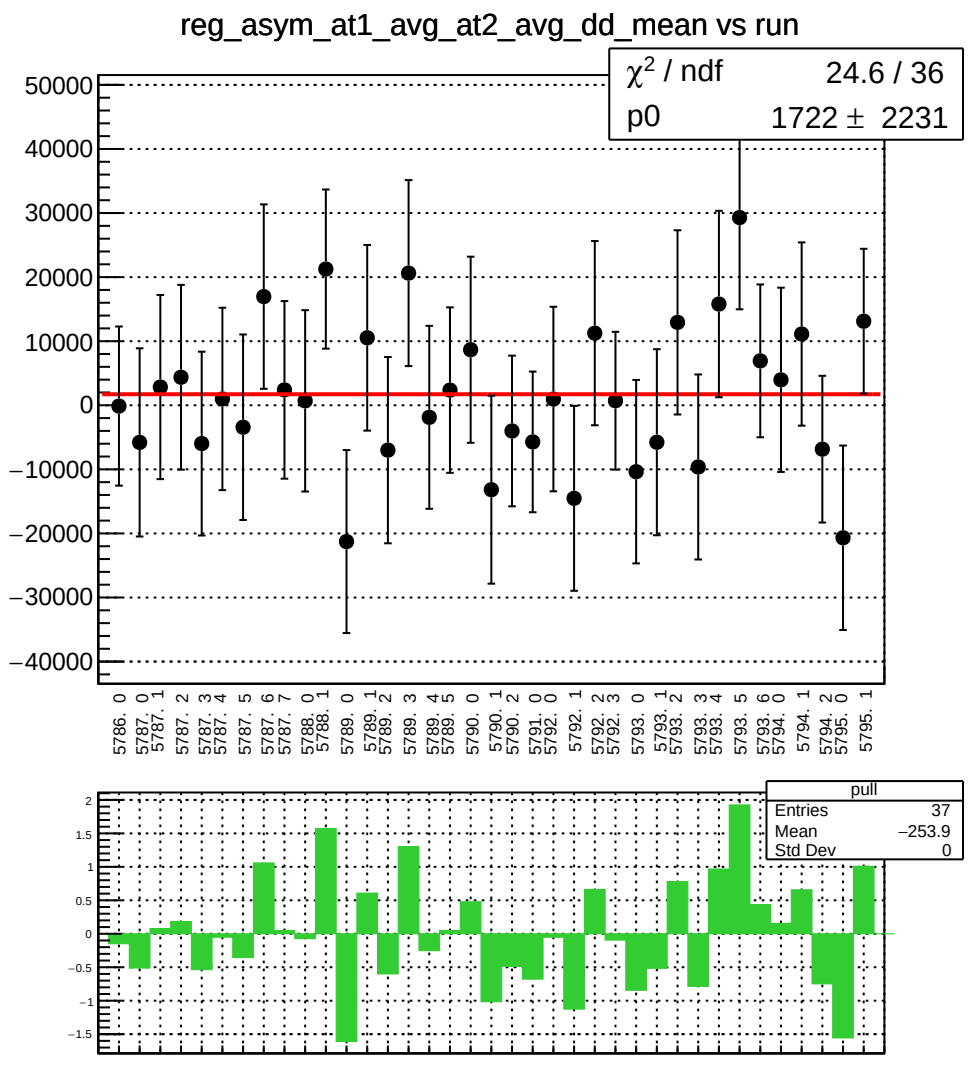

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077

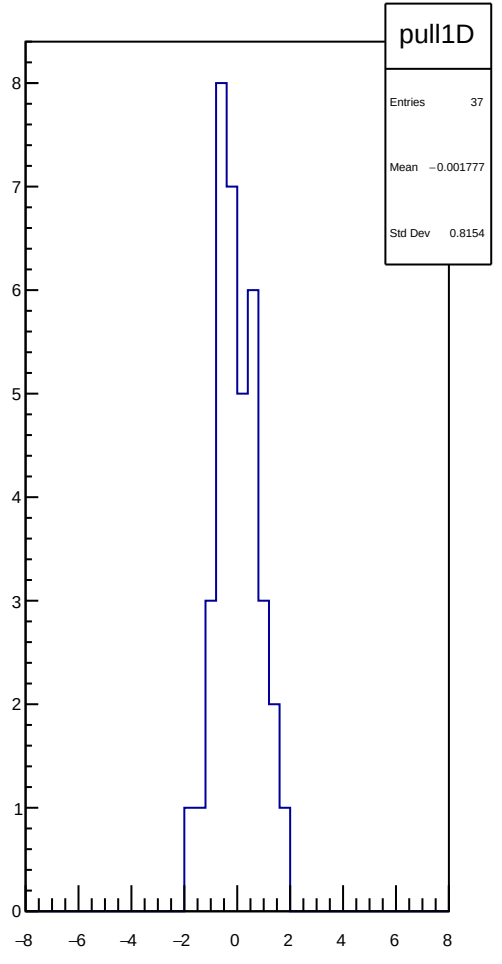

asym_atl_dd_atr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

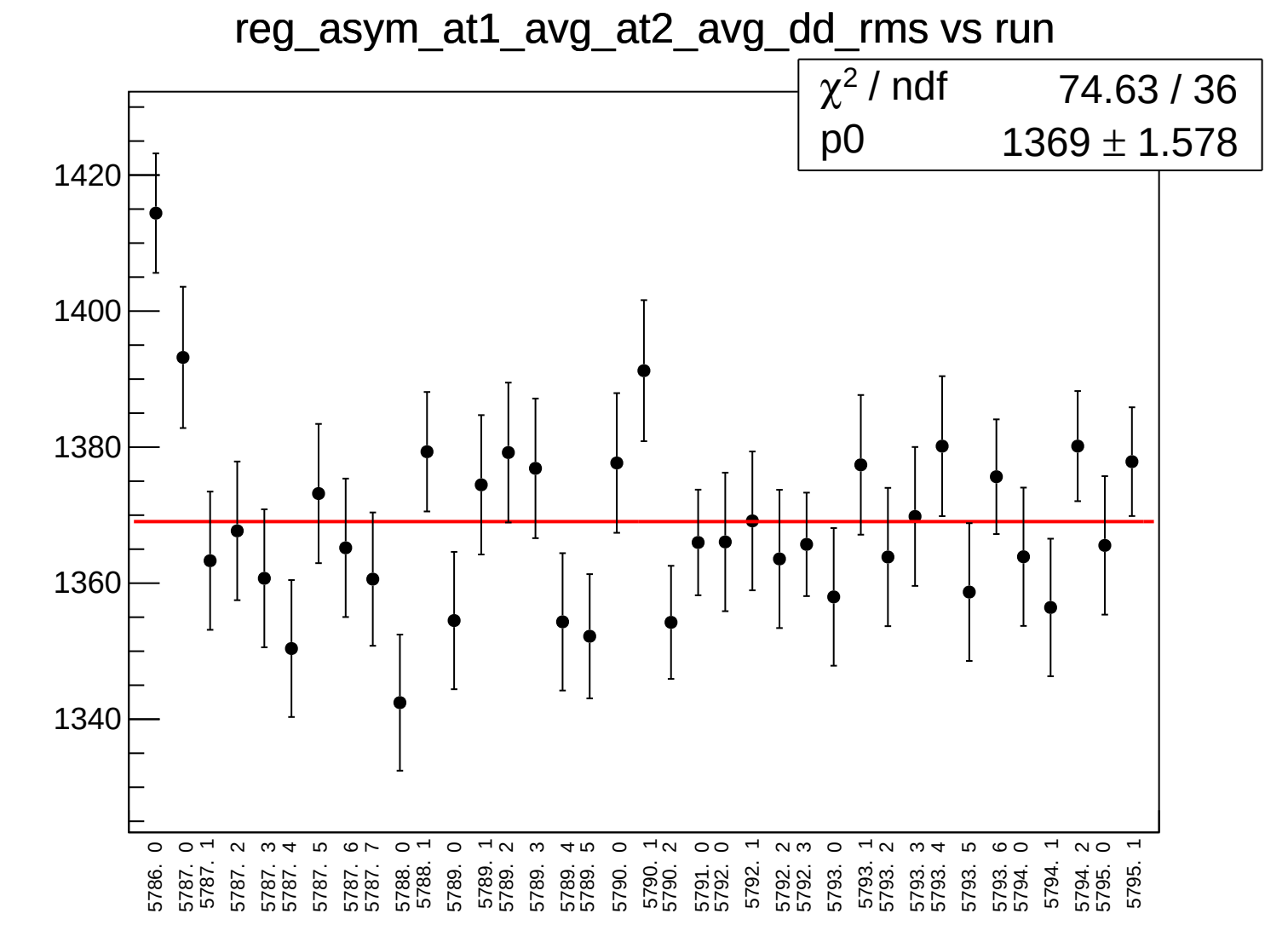

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 51.91 / 36
p0 −1.134e−13 ± 1.315e−13
pull
Entries 37
Mean −8.302
Std Dev 0

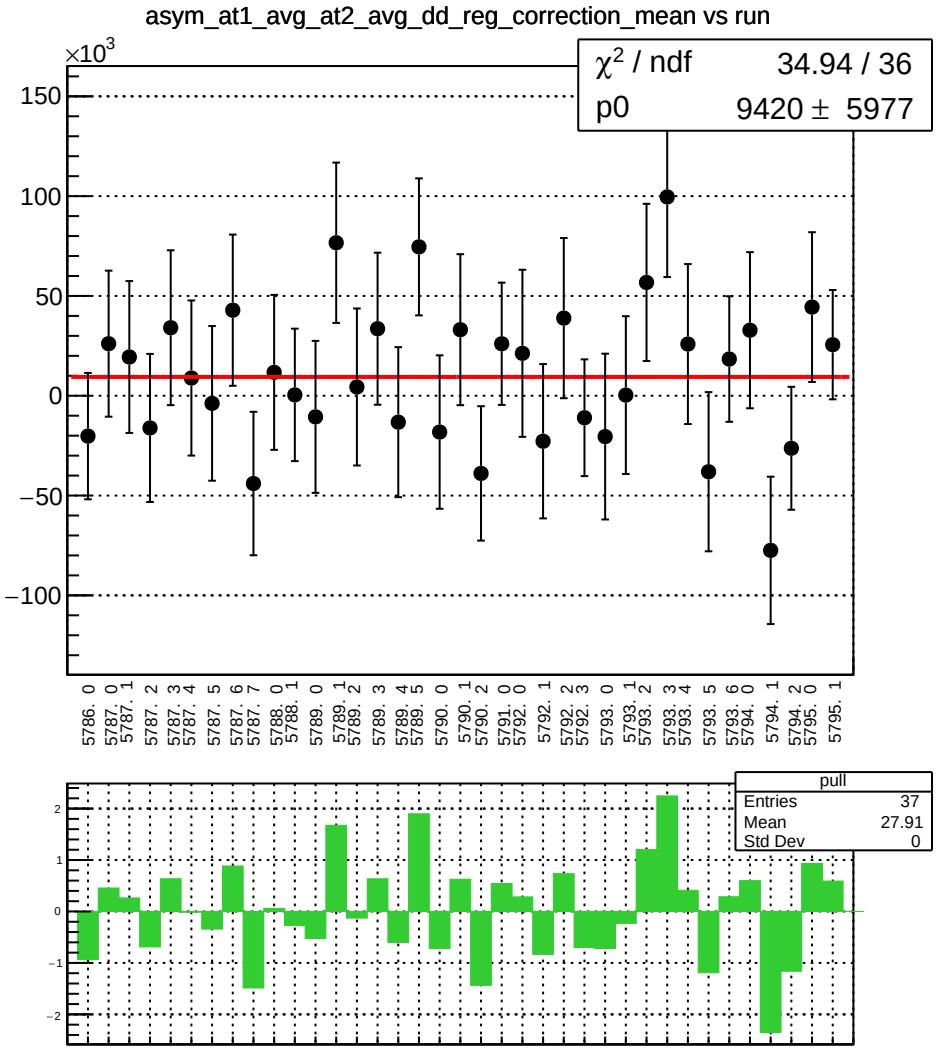

pull1D
Entries 37
Mean −0.1178
Std Dev 1.179

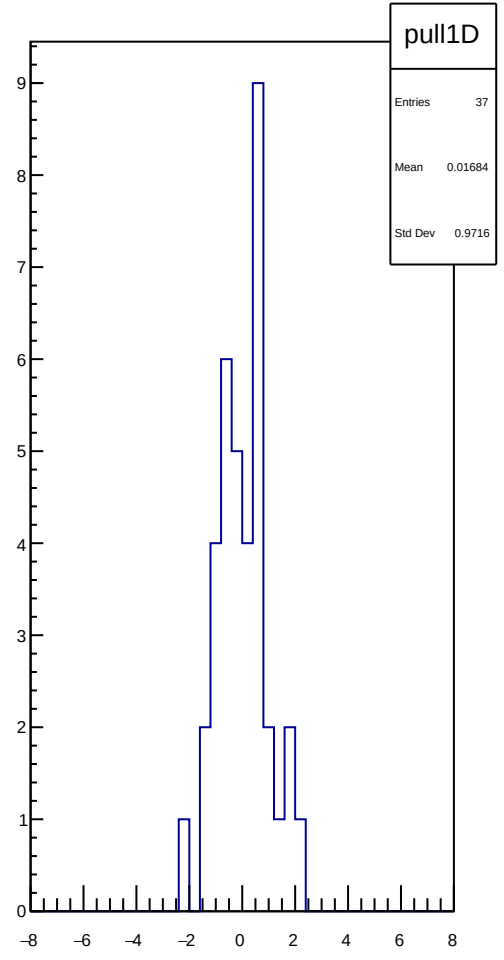

asym_atl_dd_atr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.297e+05 / 36
p0 6.726e−11 ± 9.298e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

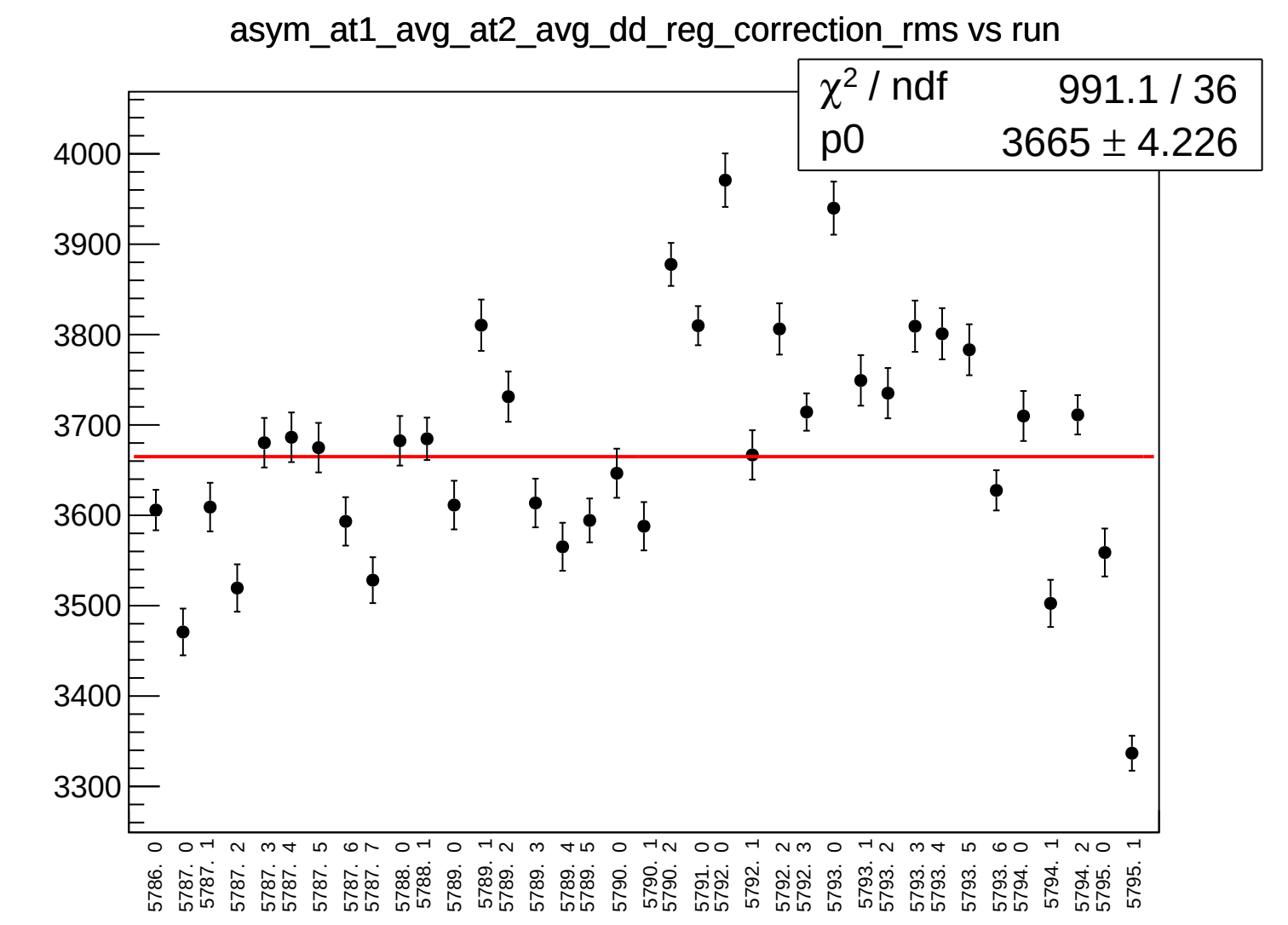

reg_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −253.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

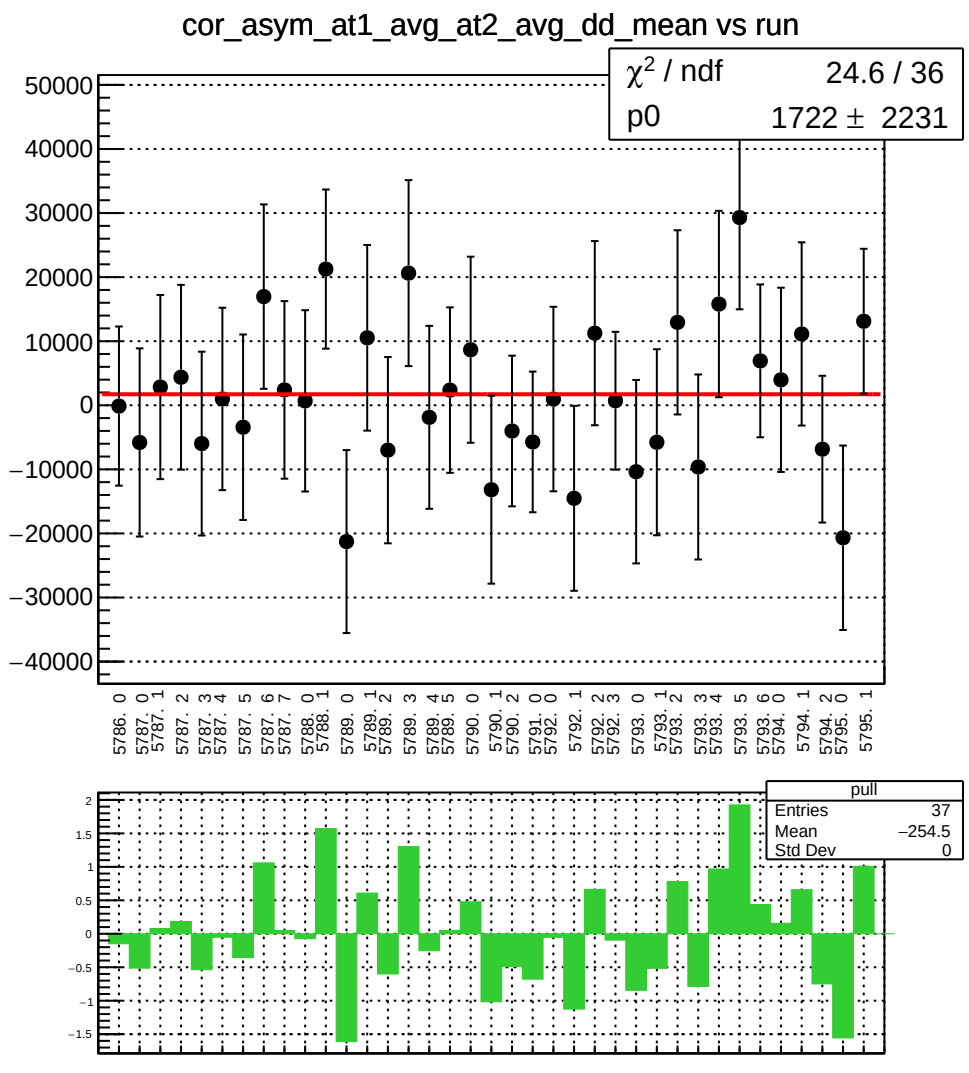

pull1D
Entries 37
Mean −0.001777
Std Dev 0.8154
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

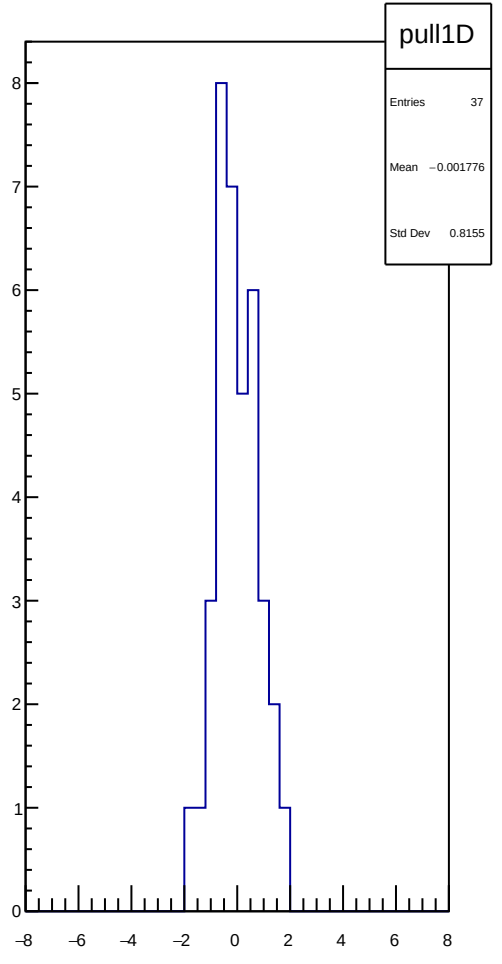

reg_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

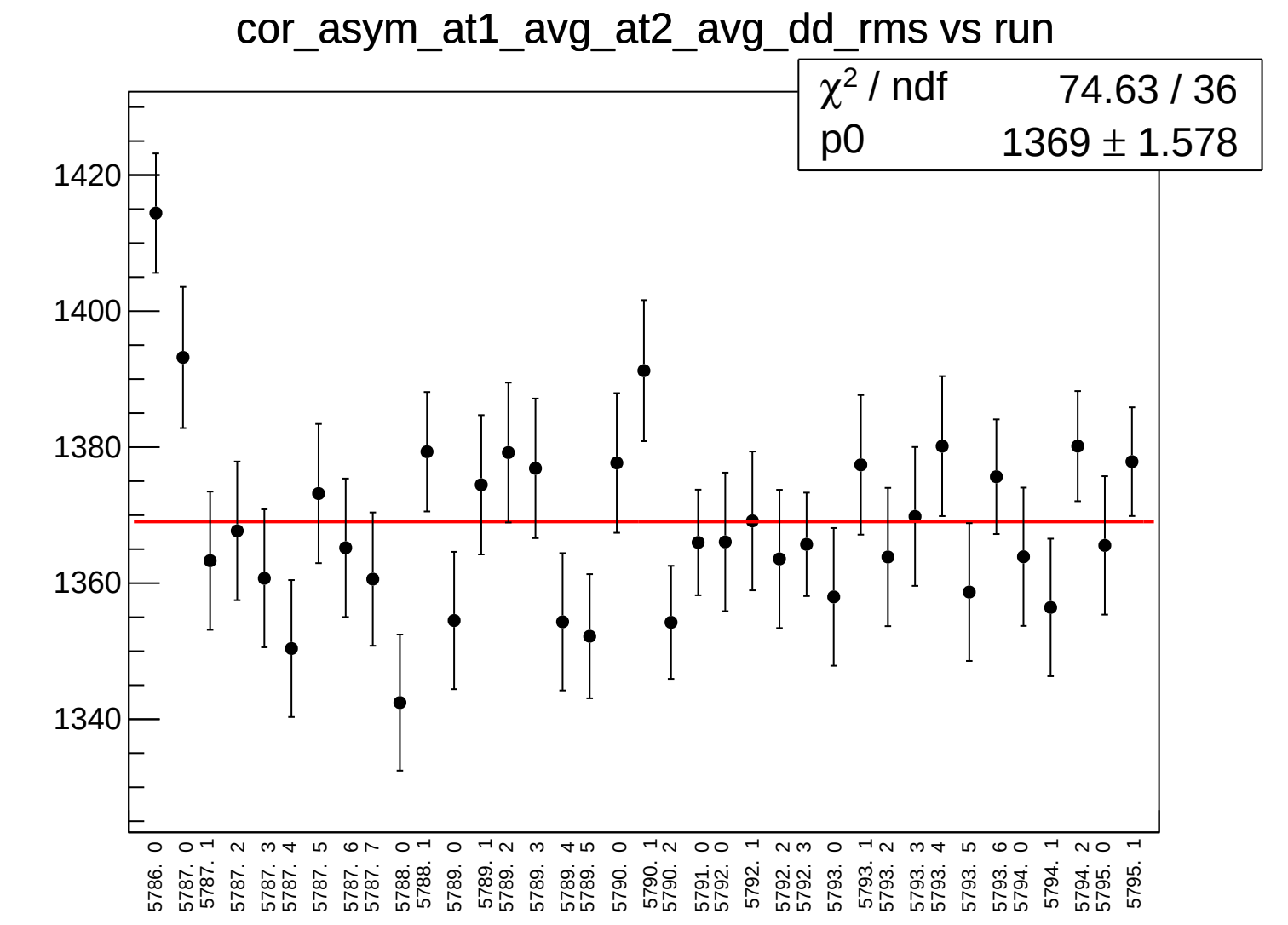

asym_at1_avg_at2_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.91
Std Dev 0
2
1
0
−1
−2

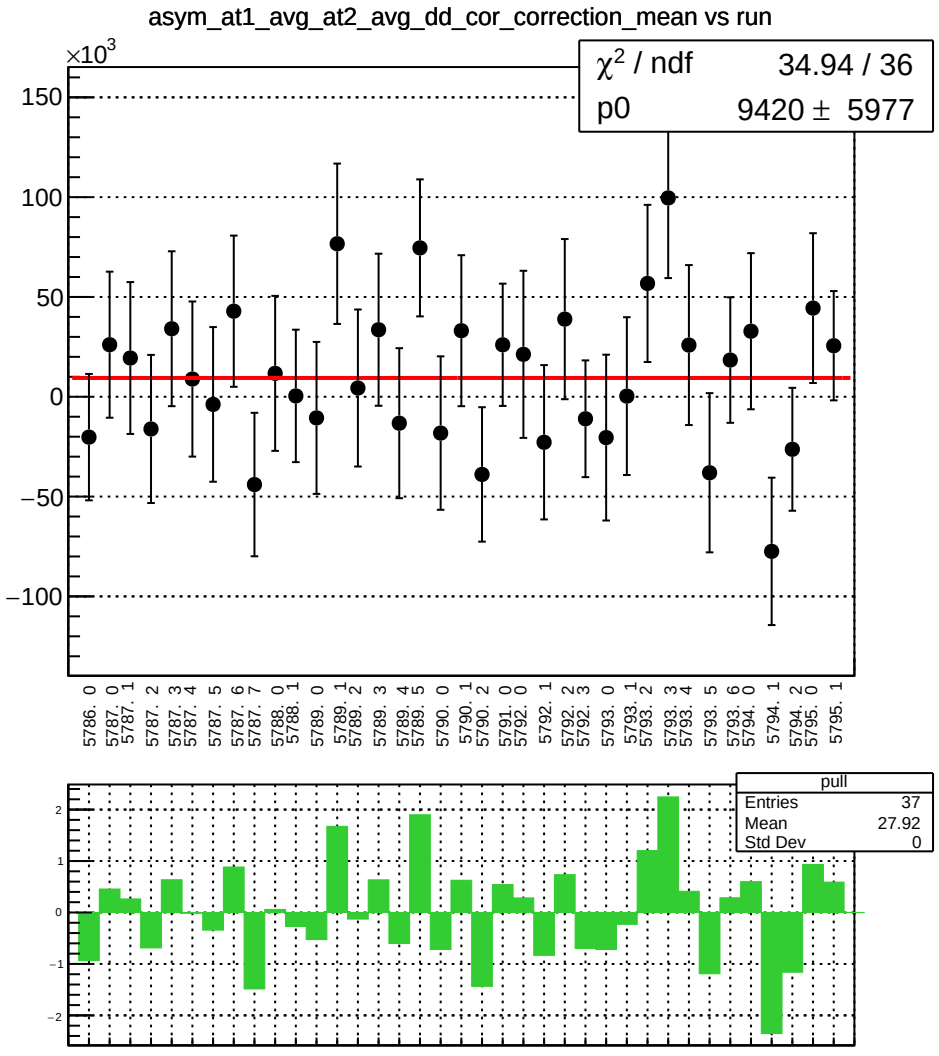

pull1D
Entries 37
Mean 0.01684
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

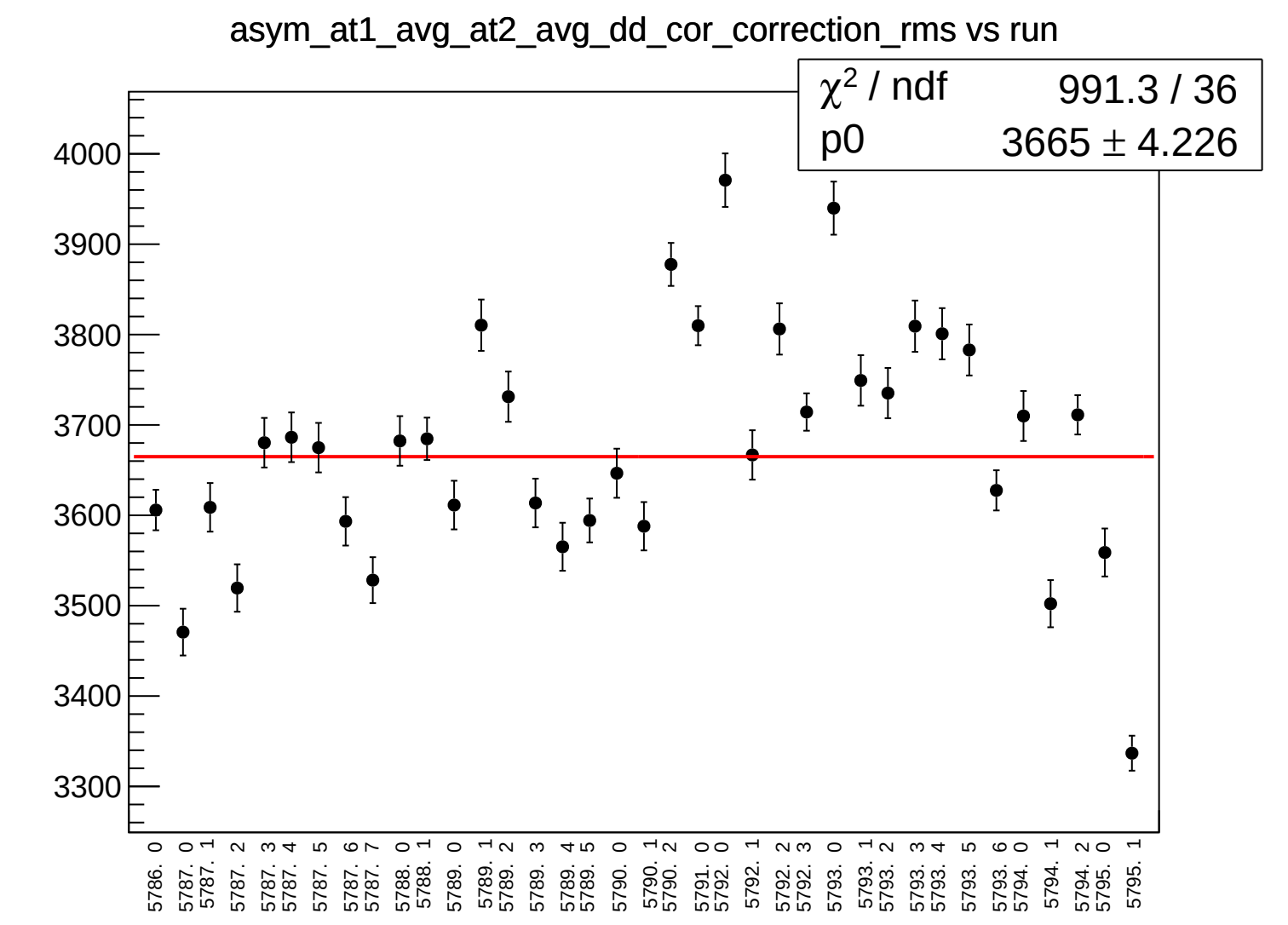

asym_at1_avg_at2_avg_dd_reg_correction_rms vs run
χ² / ndf 991.1 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

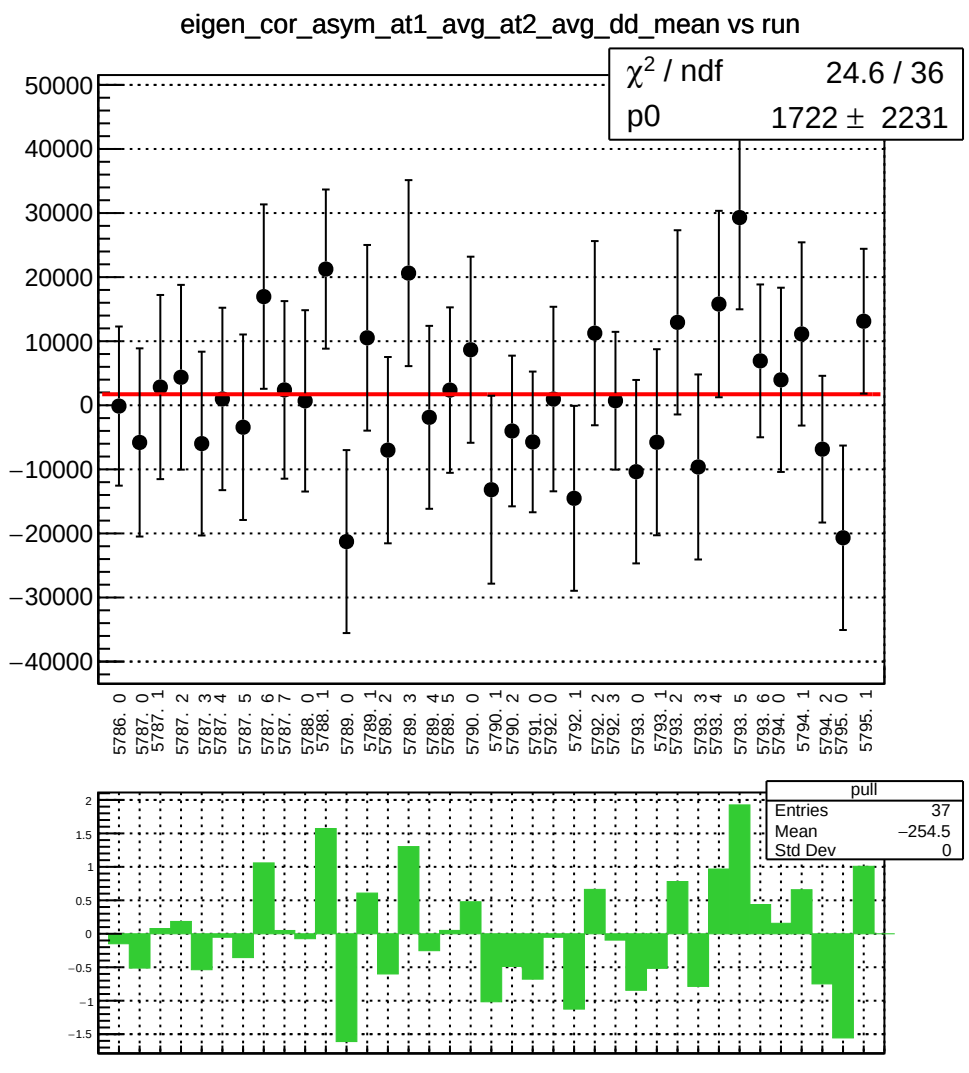

cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −254.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

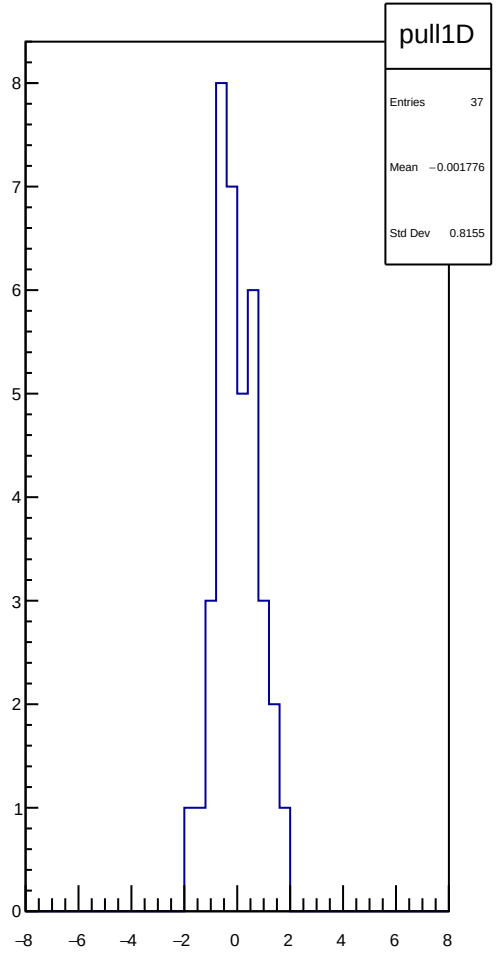

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

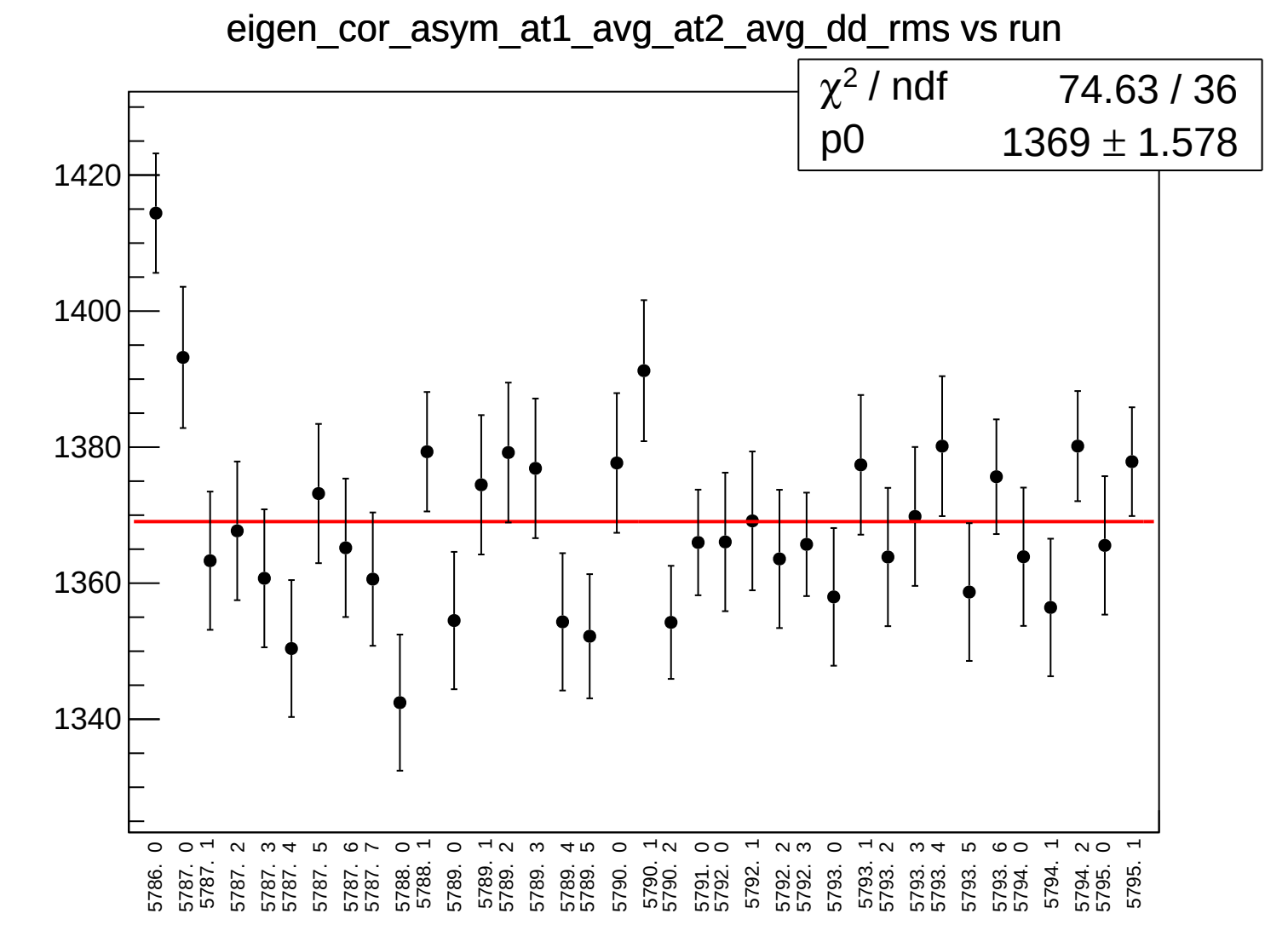

cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

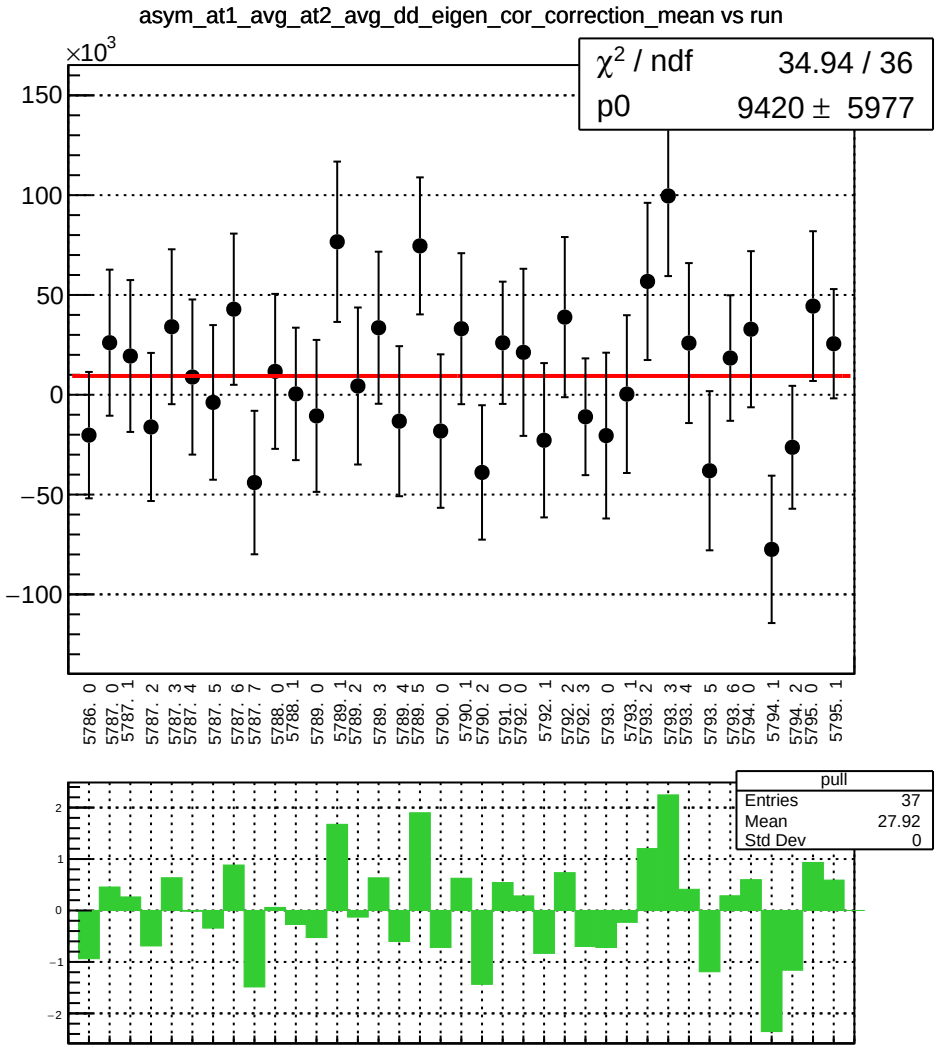

asym_at1_avg_at2_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

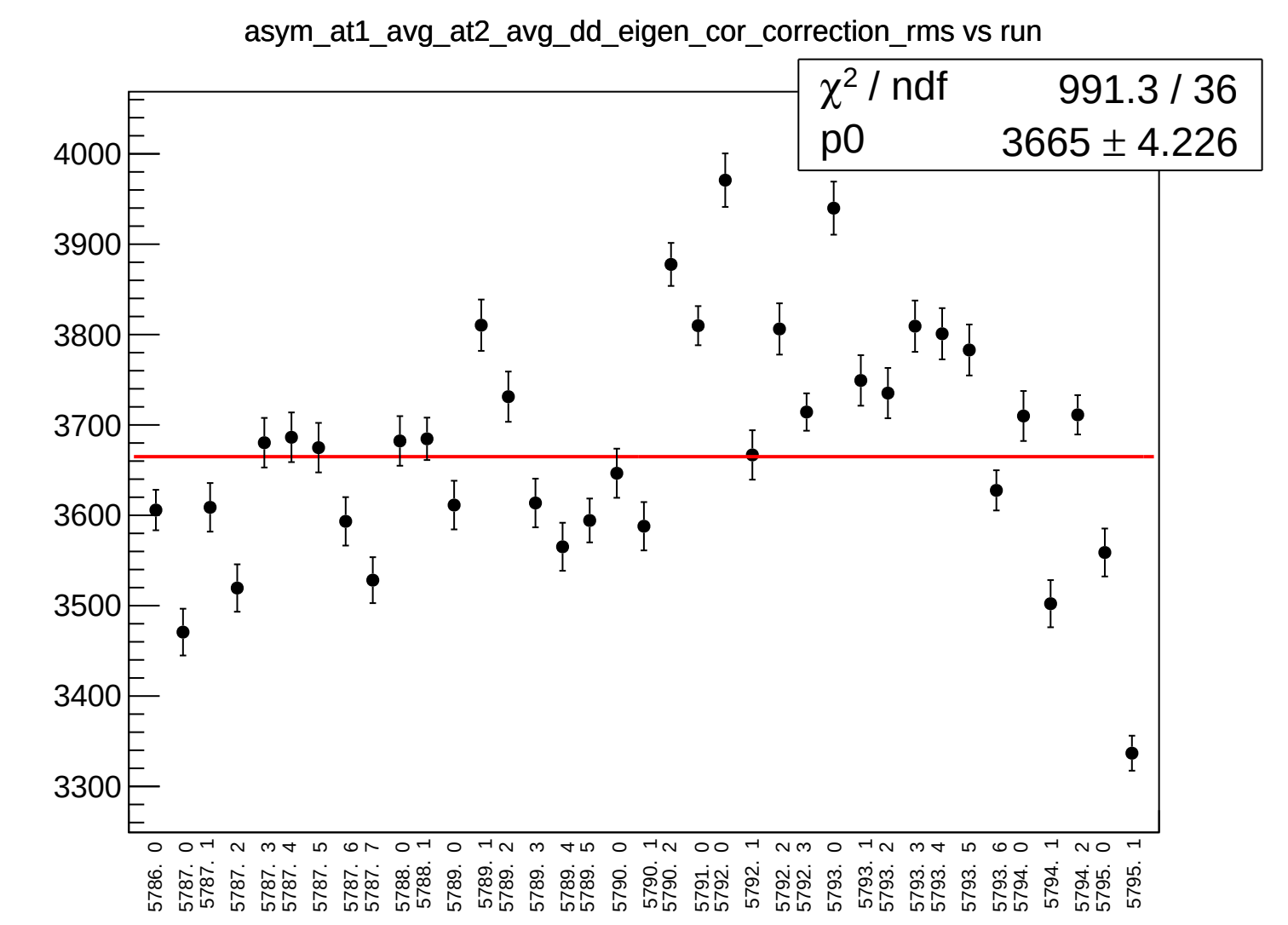

asym_at1_avg_at2_avg_dd_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

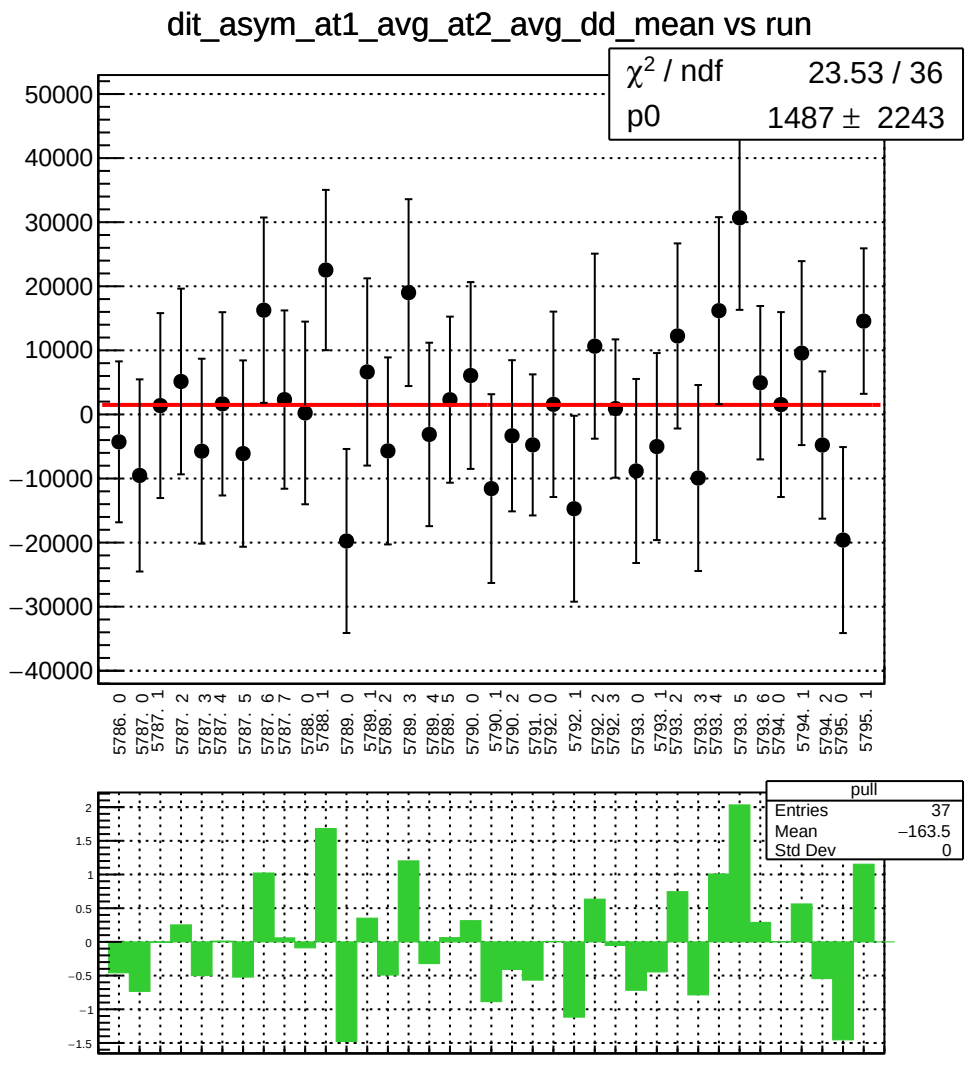

eigen_cor_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −254.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

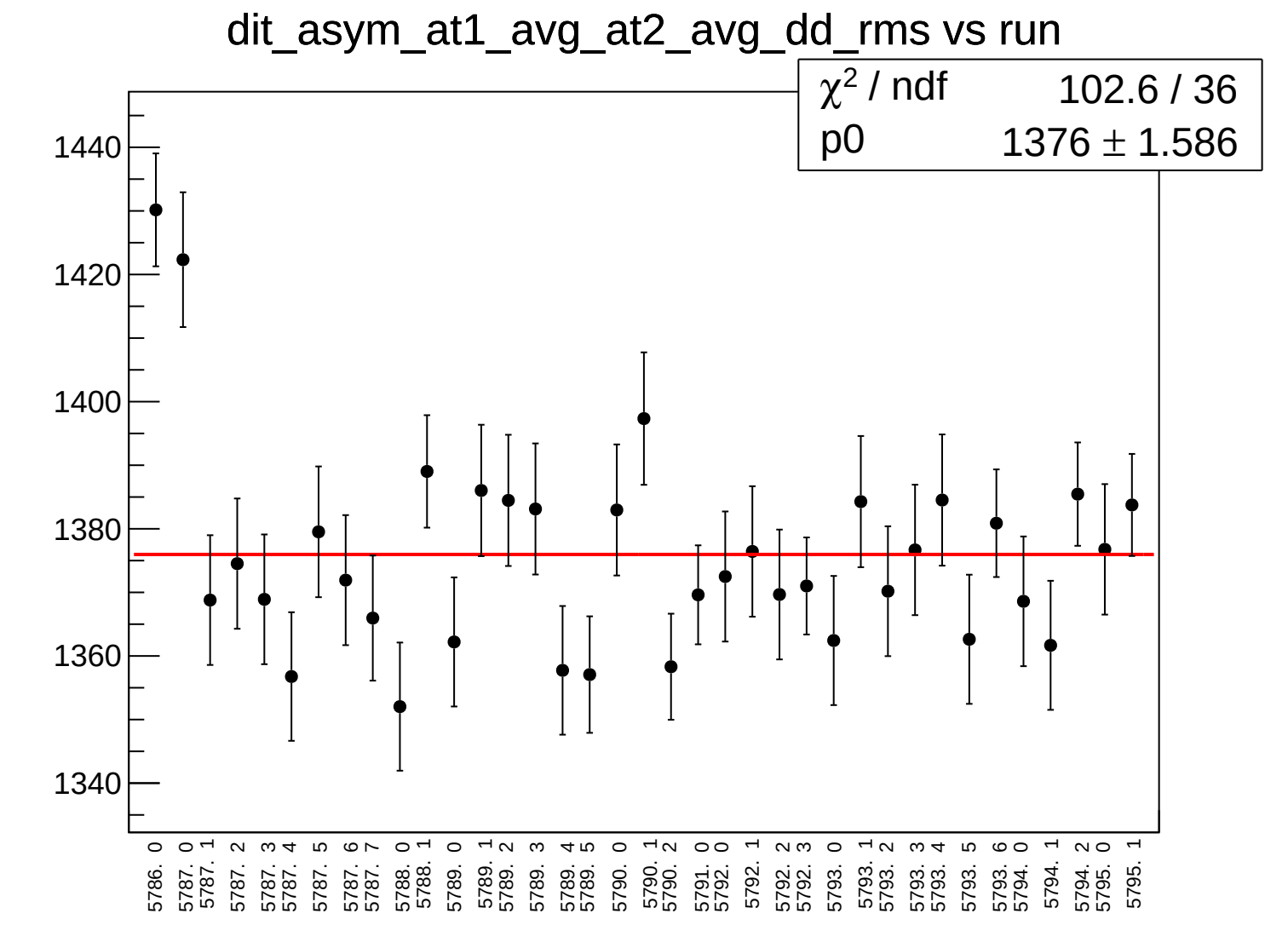

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

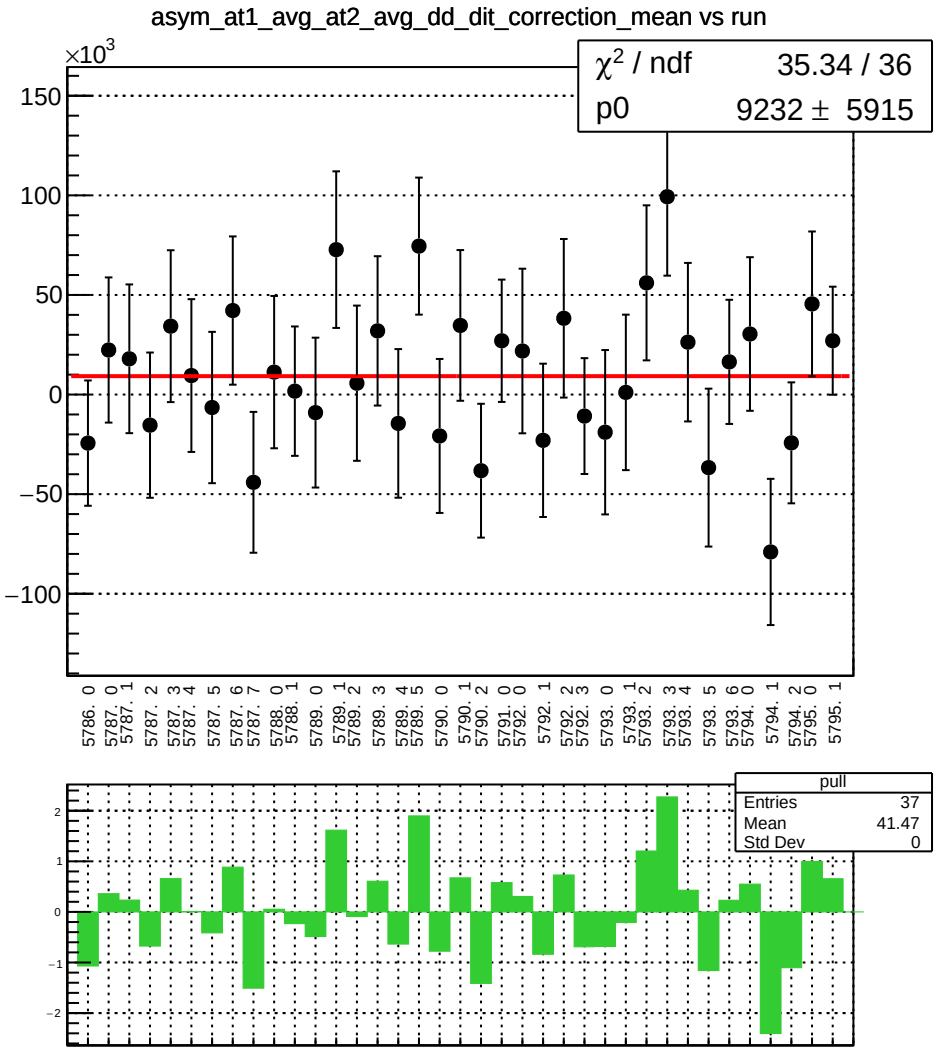

eigen_cor_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

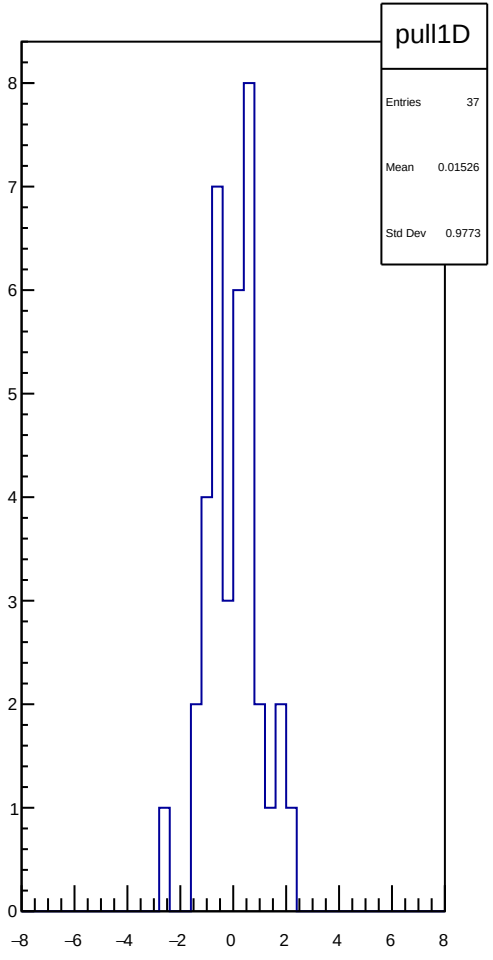

asym_at1_avg_at2_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

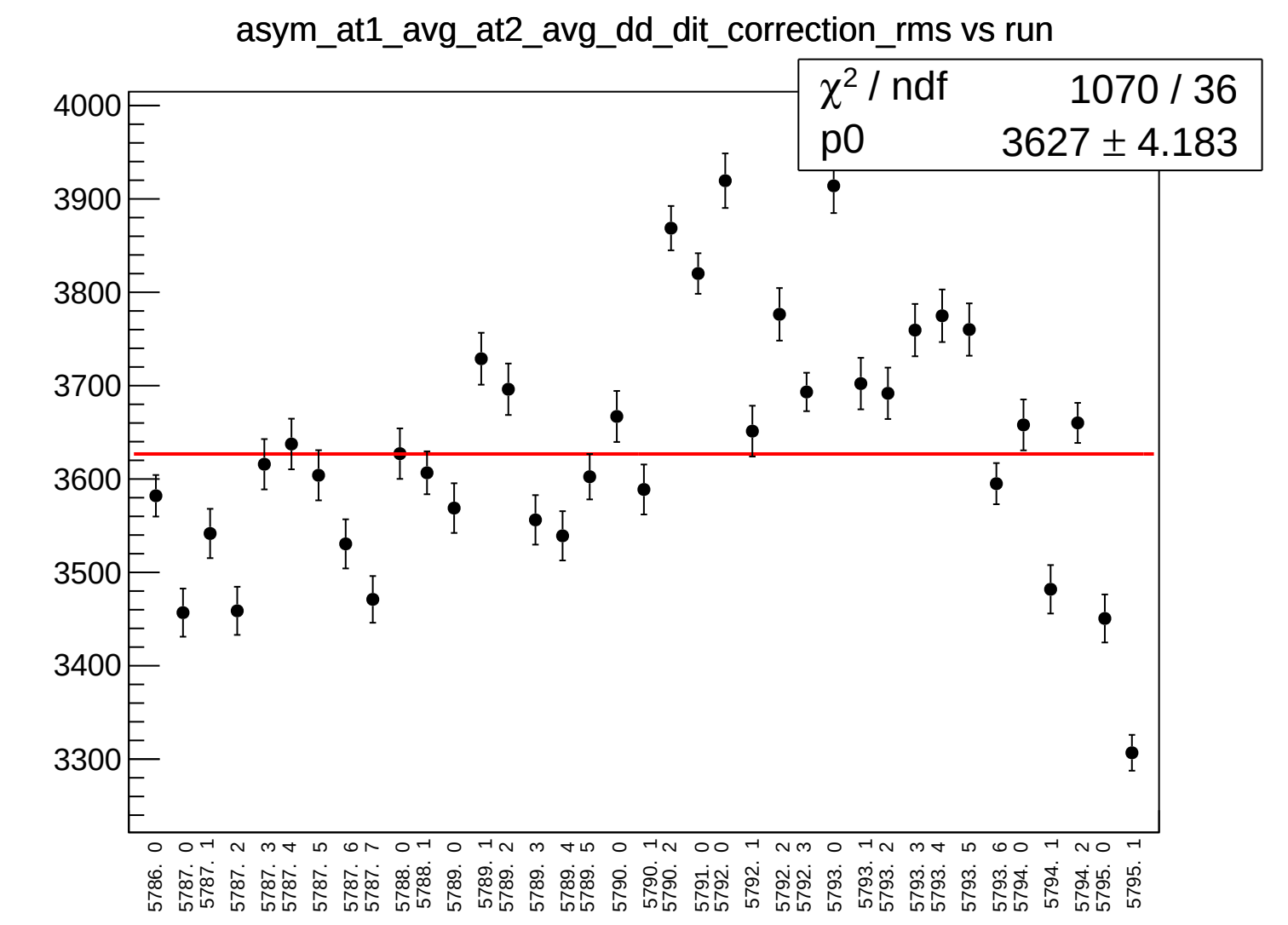

asym_at1_avg_at2_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

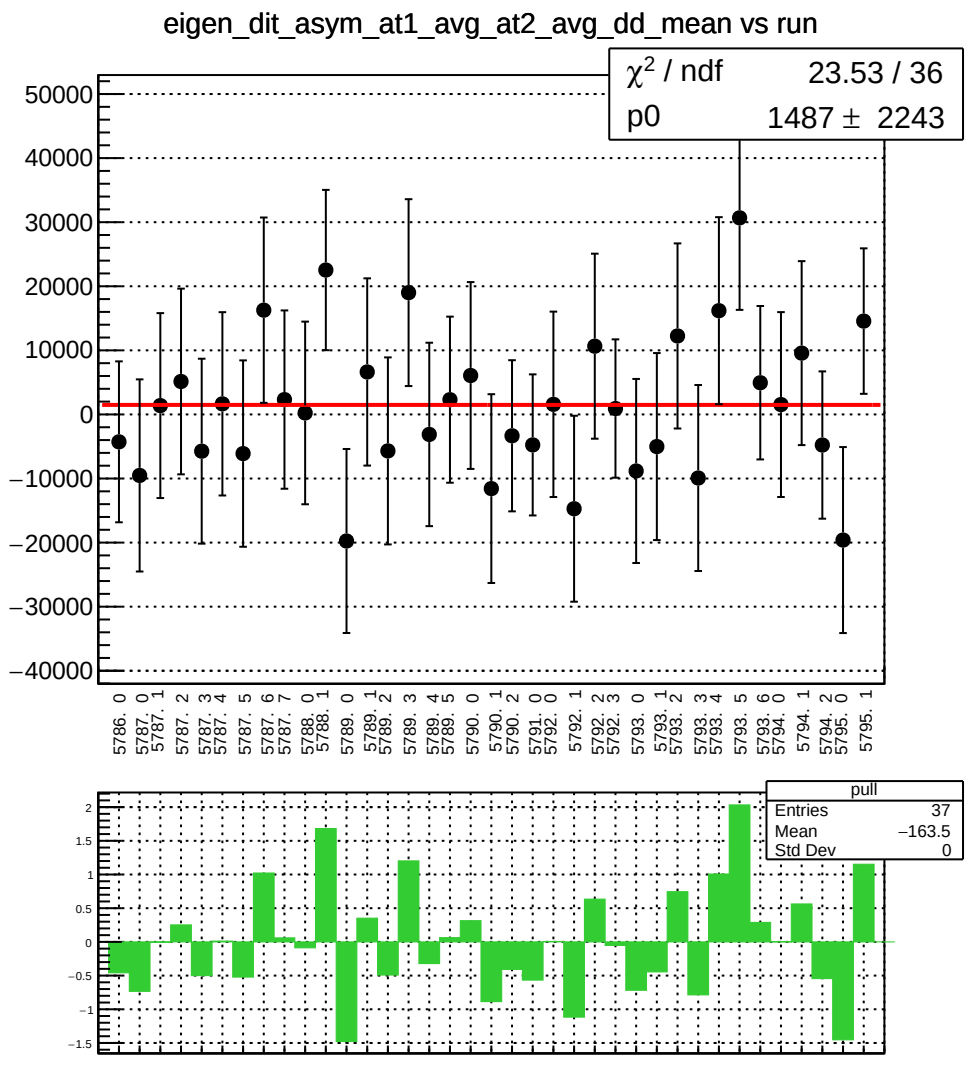

dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
pull
Entries 37
Mean −163.5
Std Dev 0
pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974

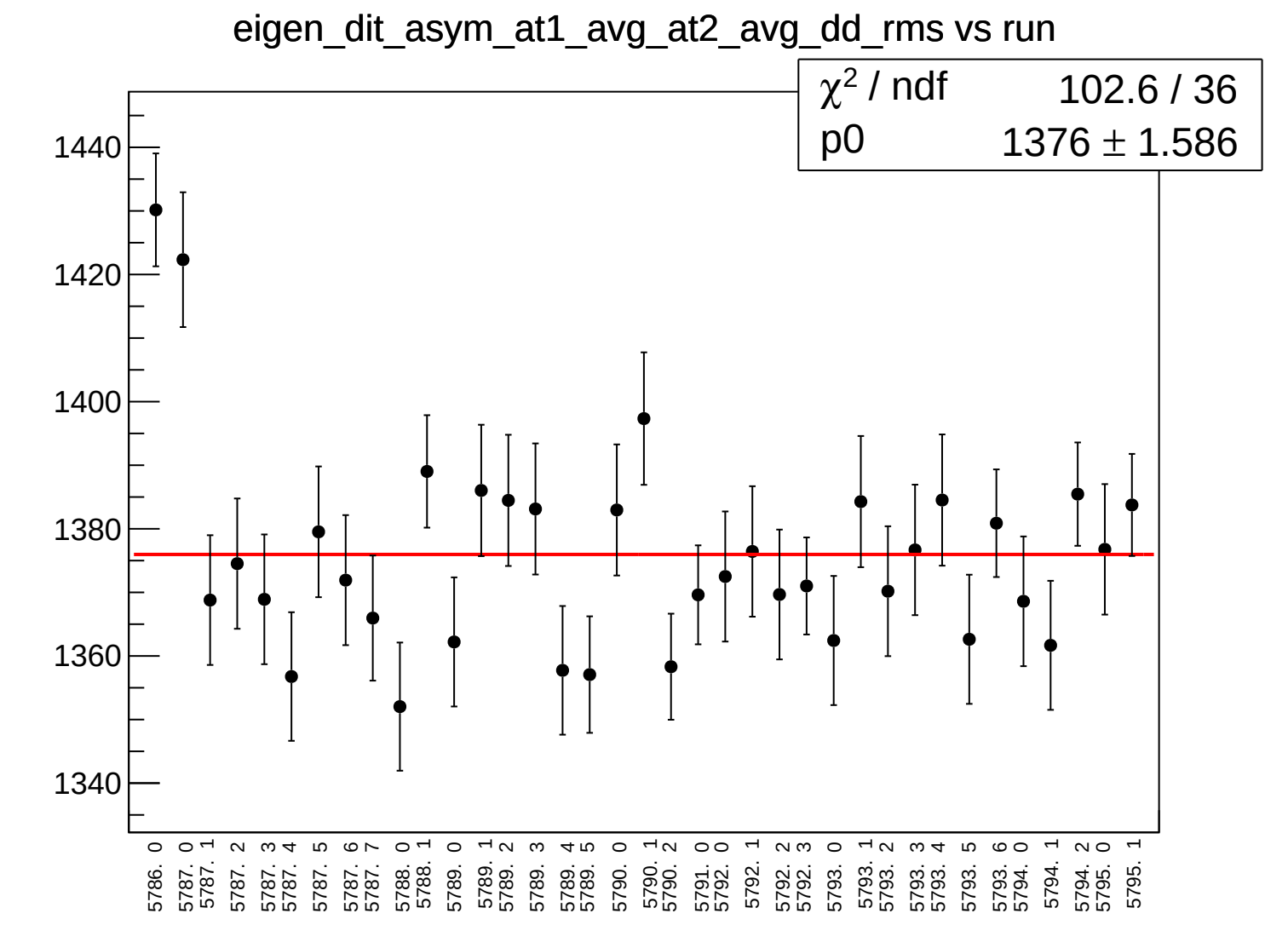

dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

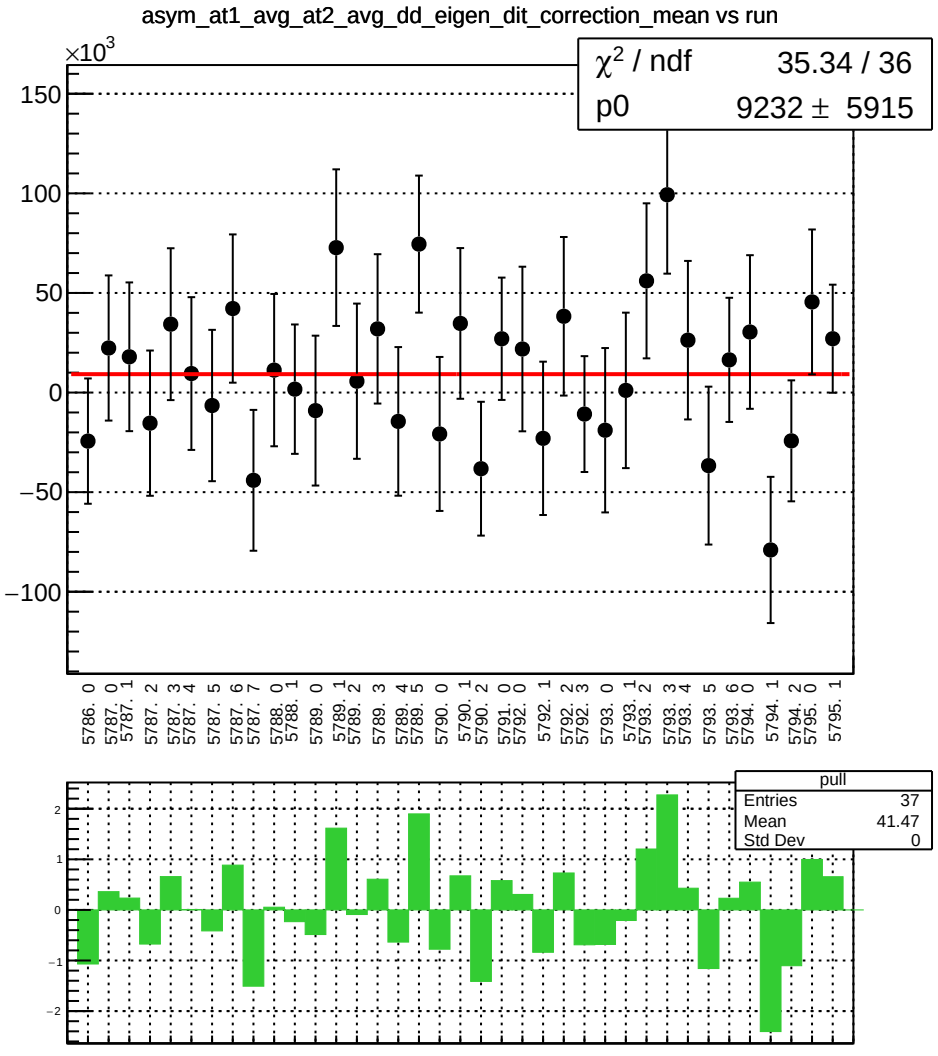

asym_at1_avg_at2_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2

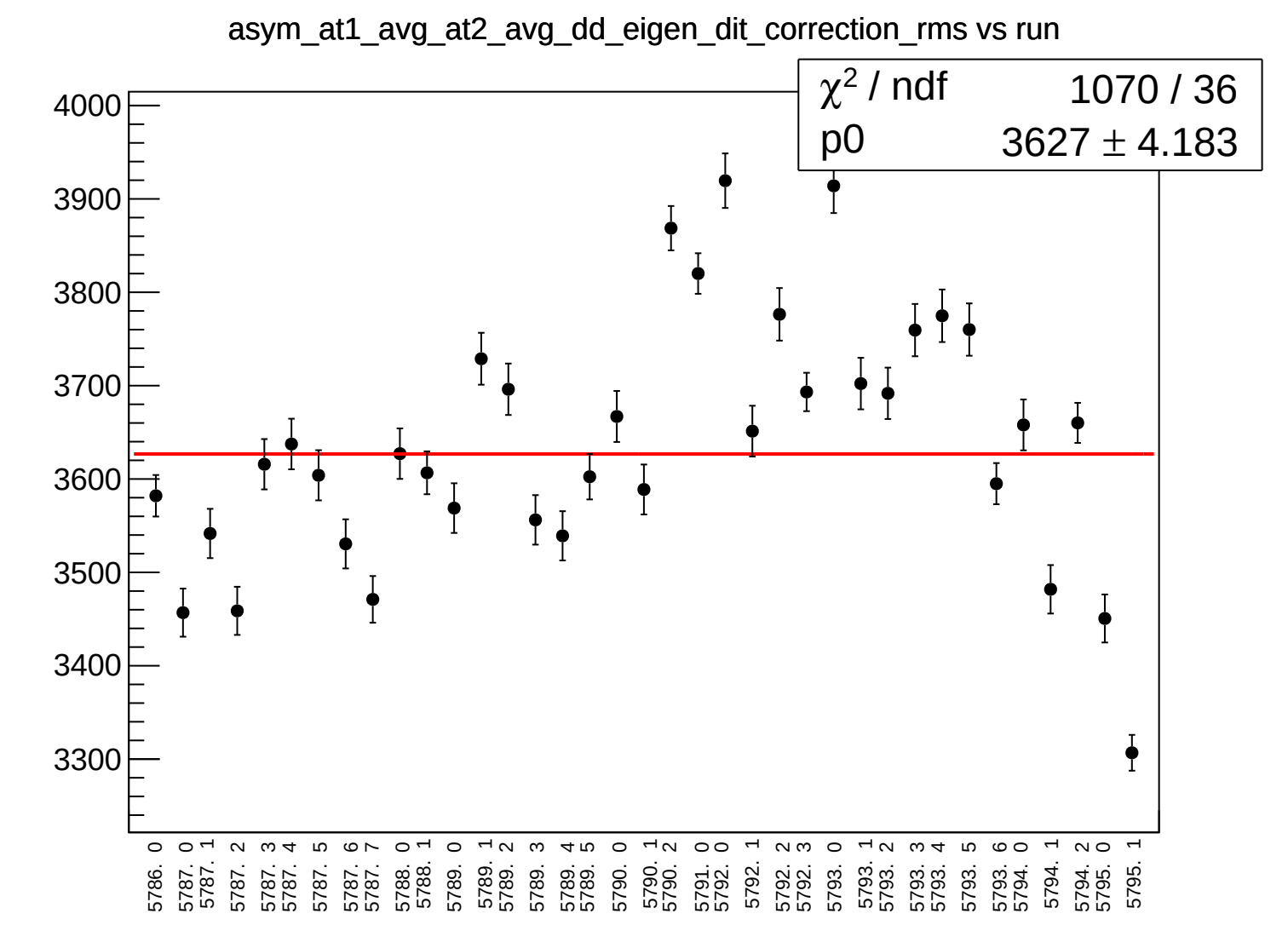

pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

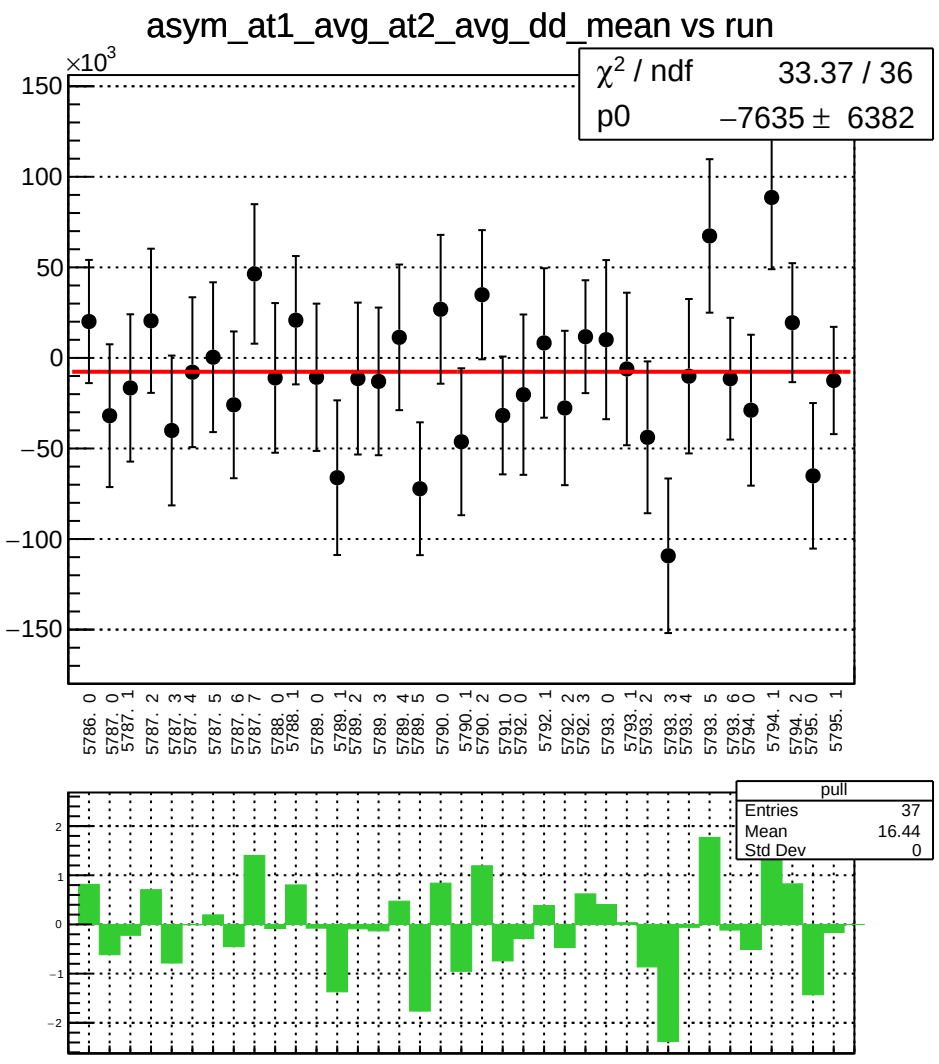

asym_at1_avg_at2_avg_dd_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

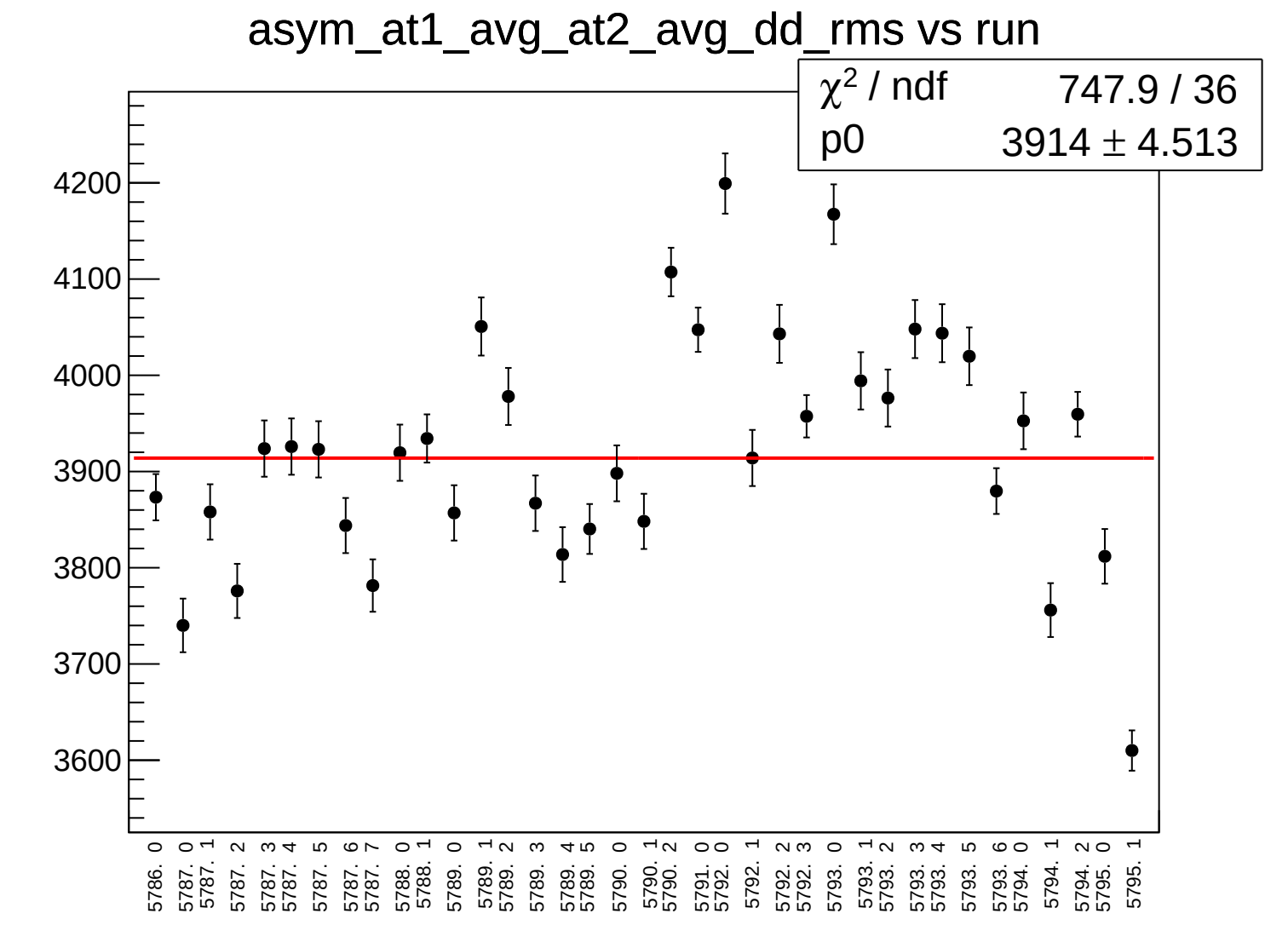

eigen_dit_asym_at1_avg_at2_avg_dd_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −163.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

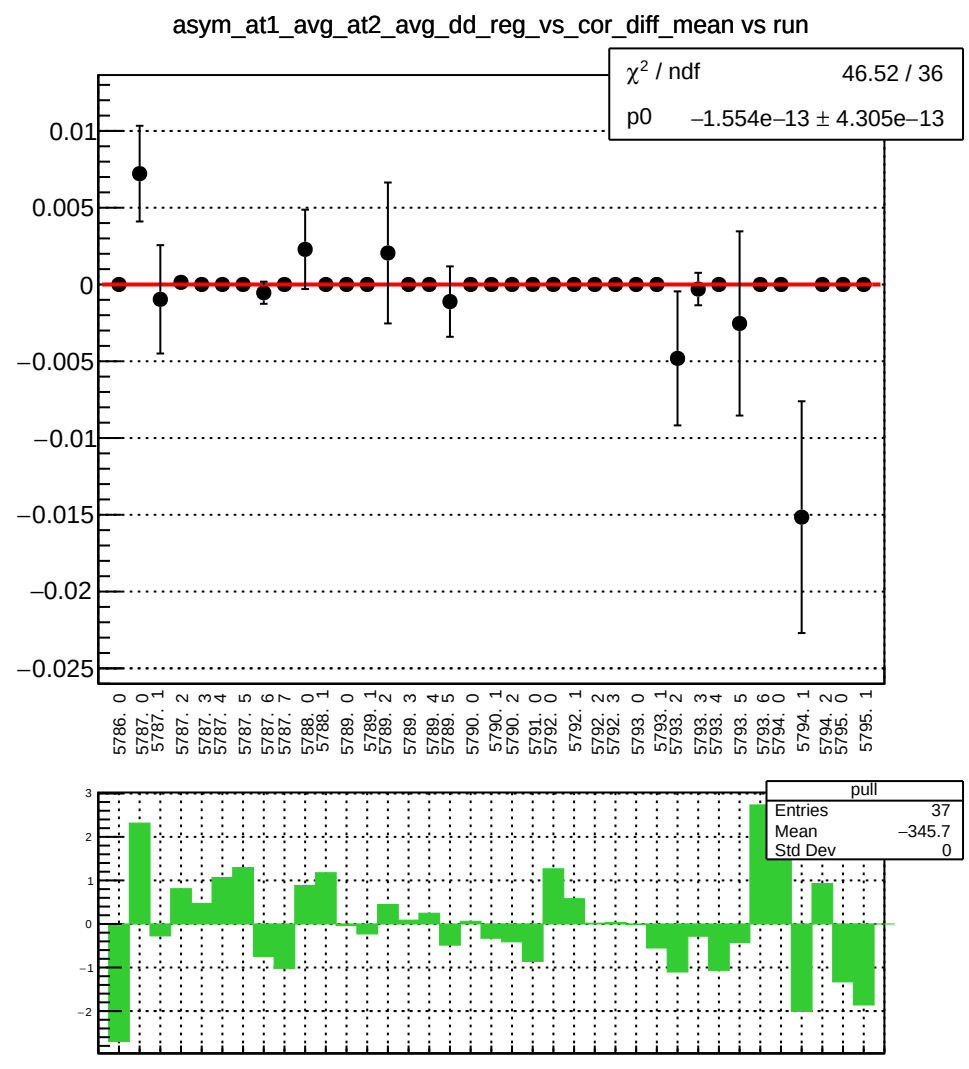

eigen_dit_asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

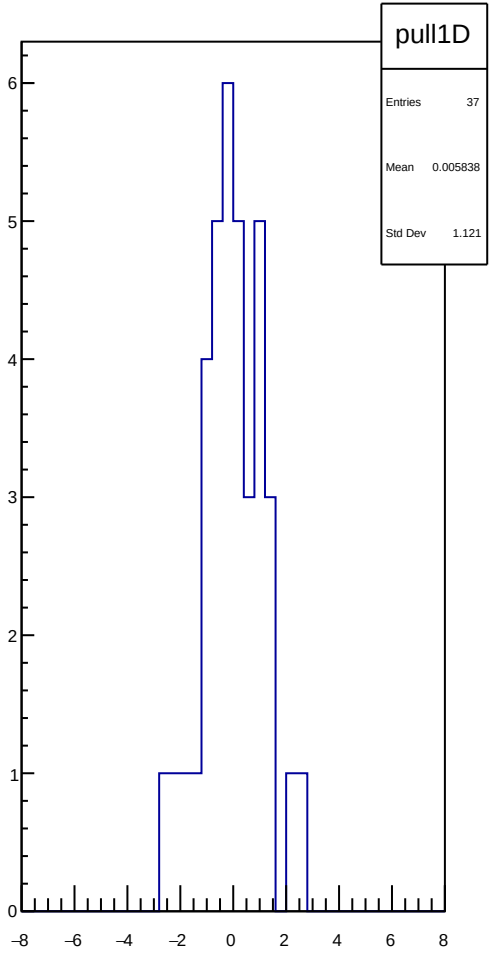

asym_at1_avg_at2_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

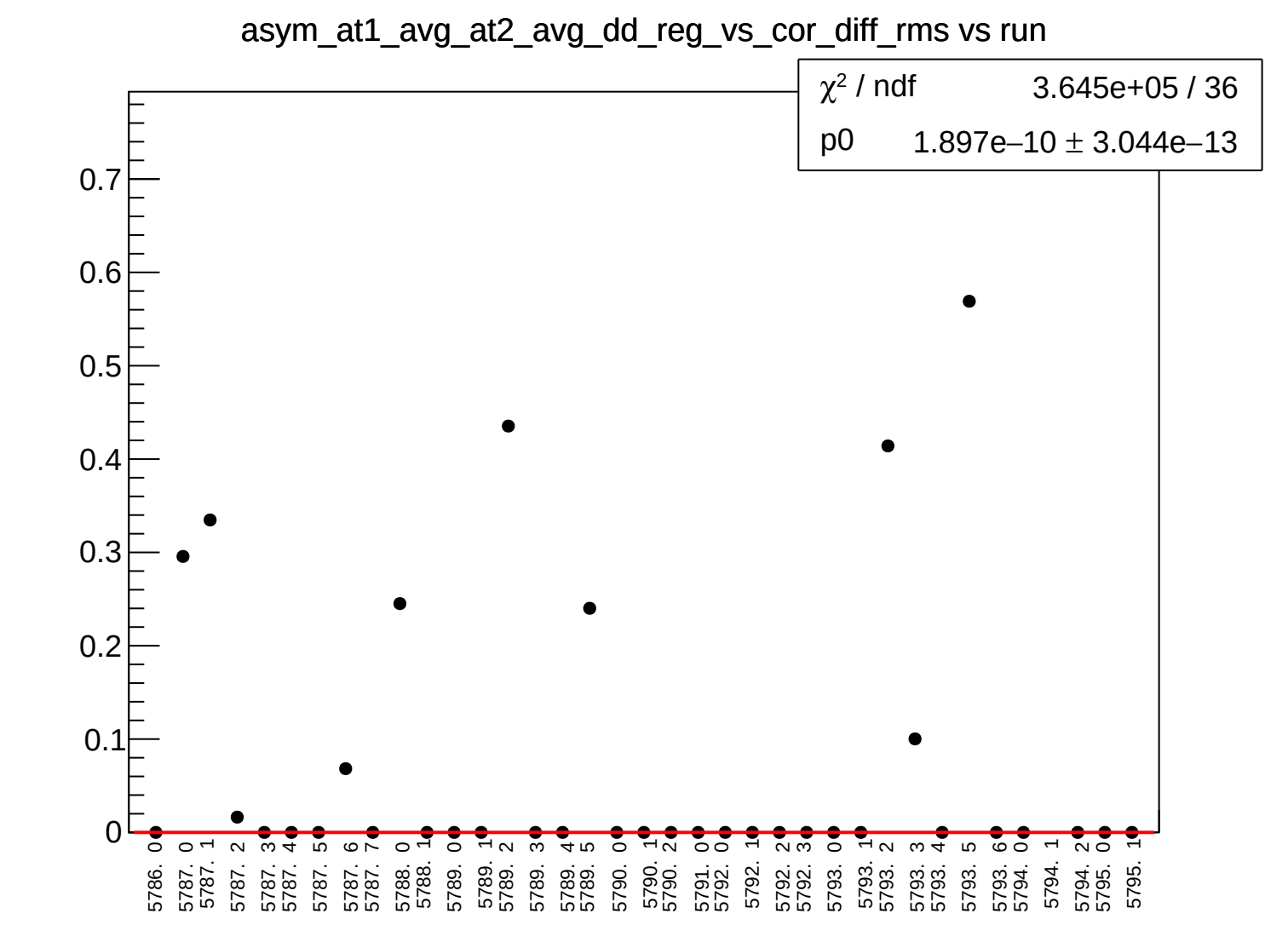

asym_at1_avg_at2_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

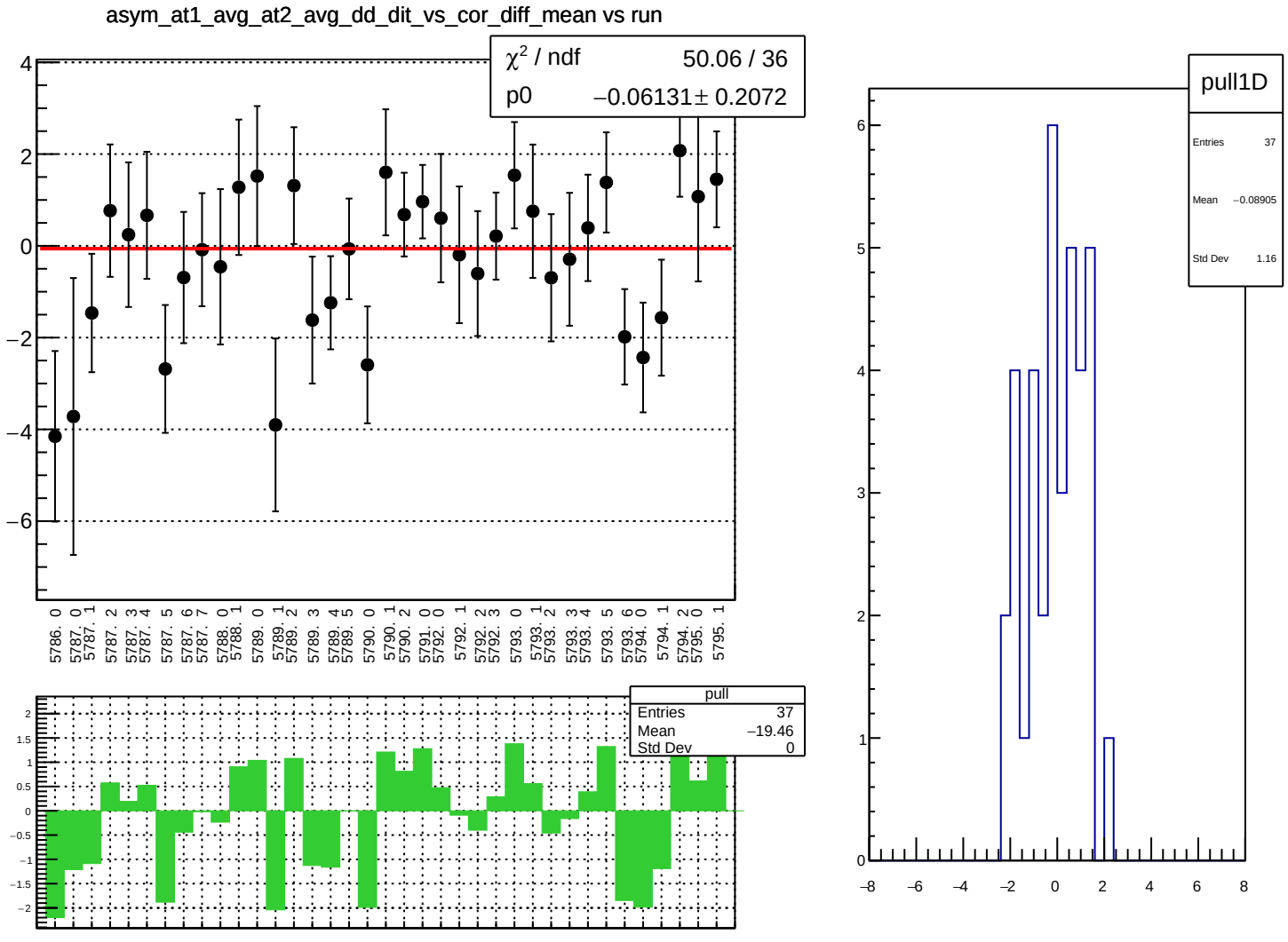

asym_at1_avg_at2_avg_dd_mean vs run
×10^3
χ² / ndf 33.37 / 36
p0 −7635 ± 6382
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01768
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

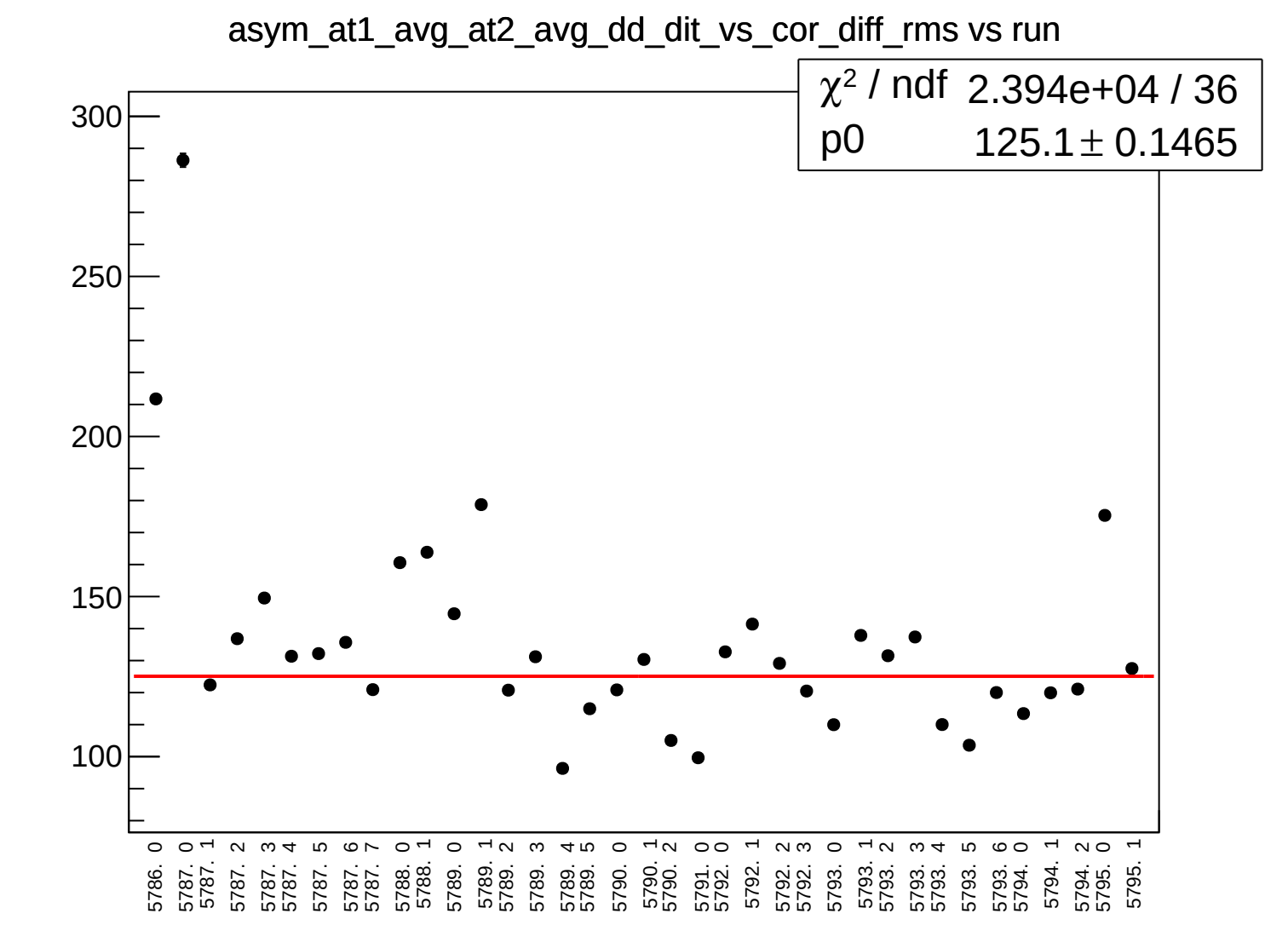

asym_at1_avg_at2_avg_dd_rms vs run
χ² / ndf 747.9 / 36
p0 3914 ± 4.513
4200
4100
4000
3900
3800
3700
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

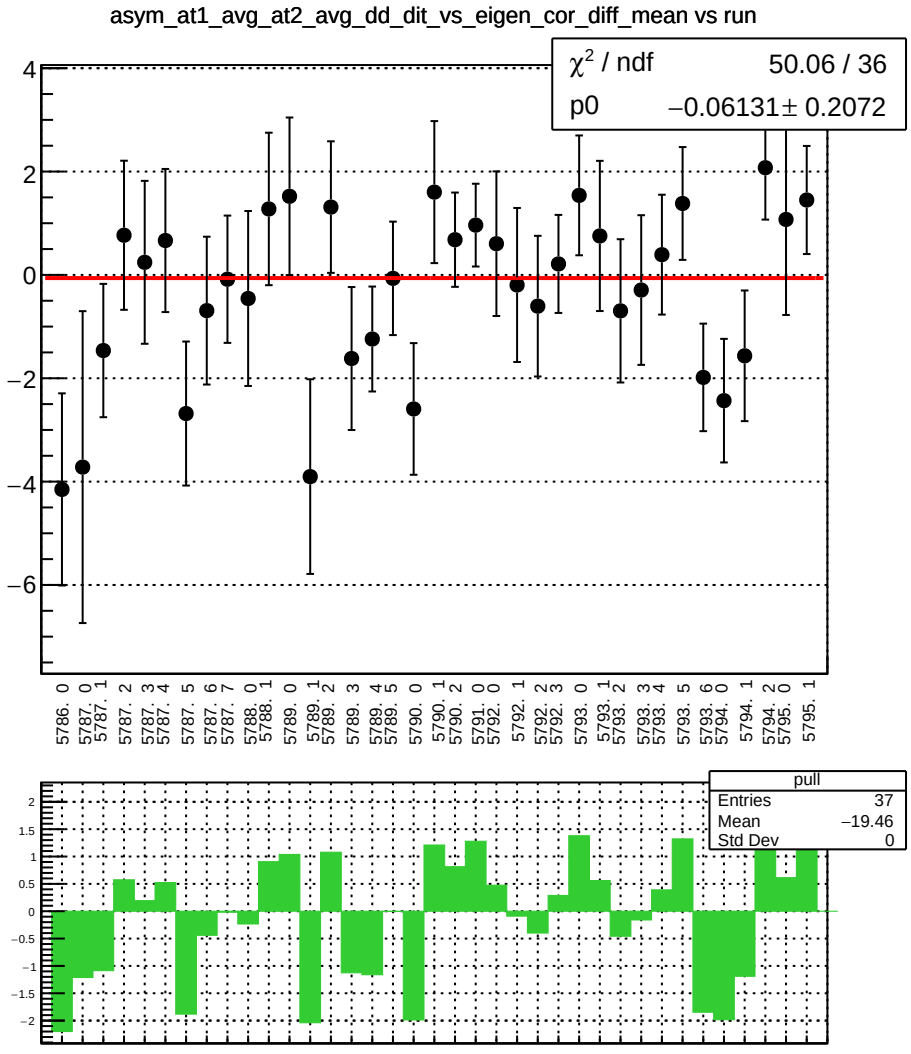

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.52 / 36
p0 −1.554e−13 ± 4.305e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −345.7
Std Dev 0
3
2
1
0
−1
−2

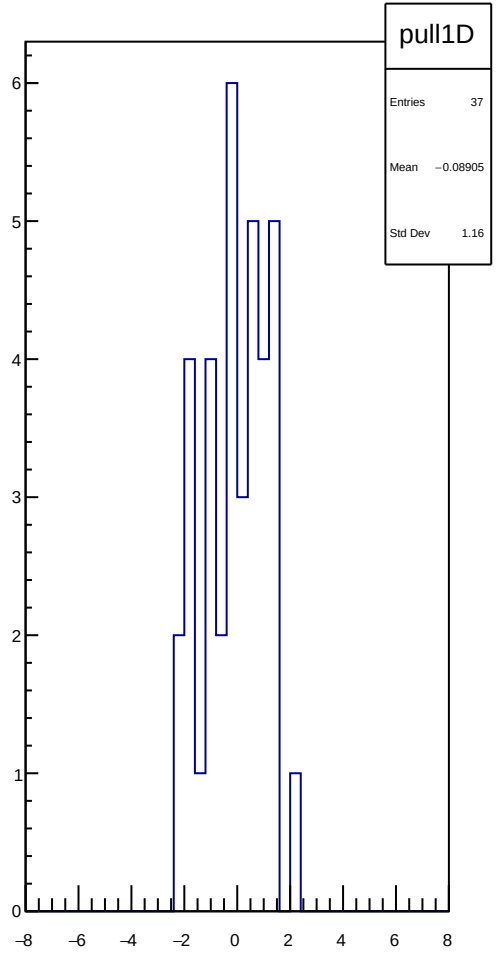

pull1D
Entries 37
Mean 0.005838
Std Dev 1.121
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

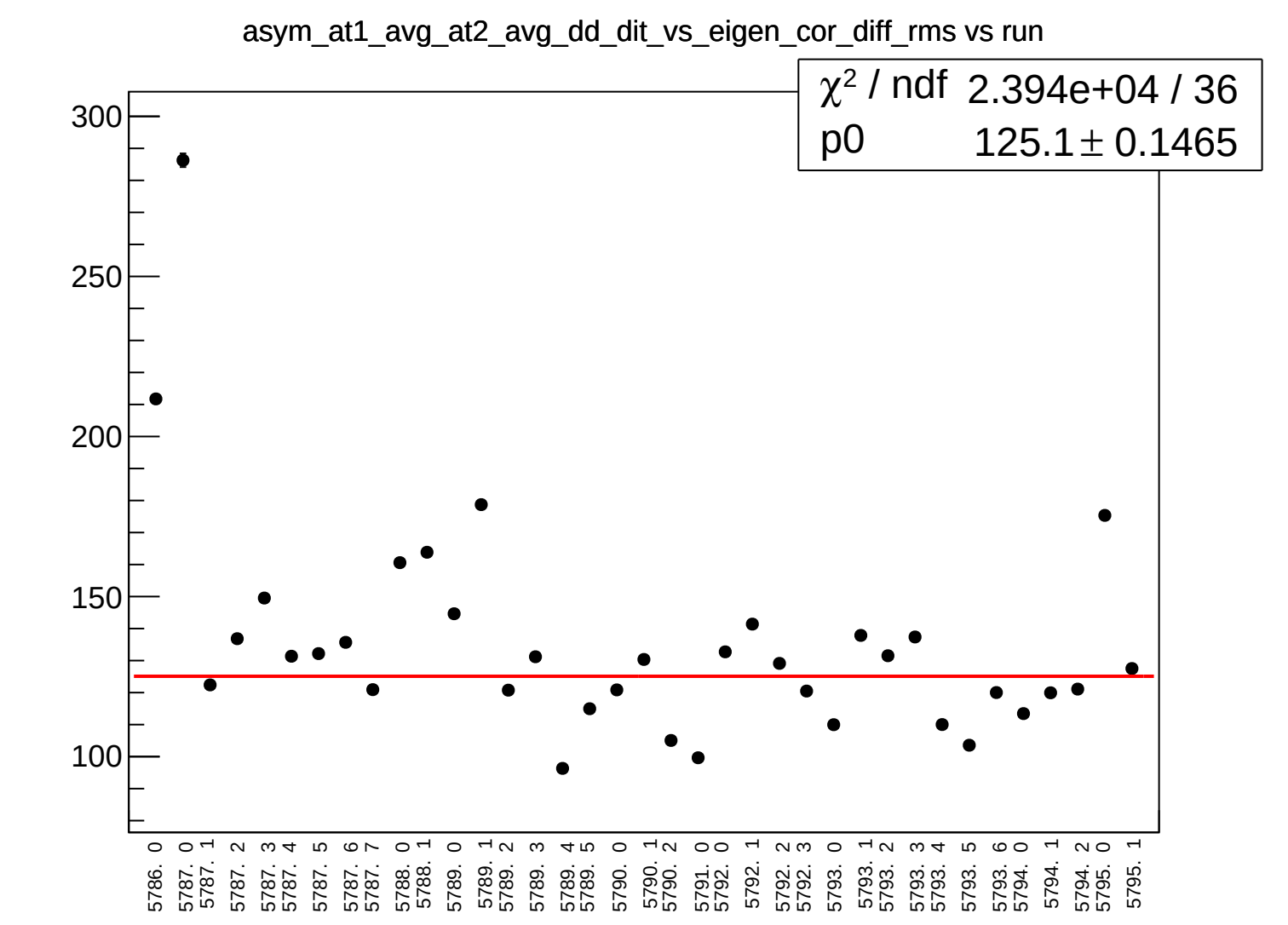

asym_at1_avg_at2_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.645e+05 / 36
p0 1.897e−10 ± 3.044e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

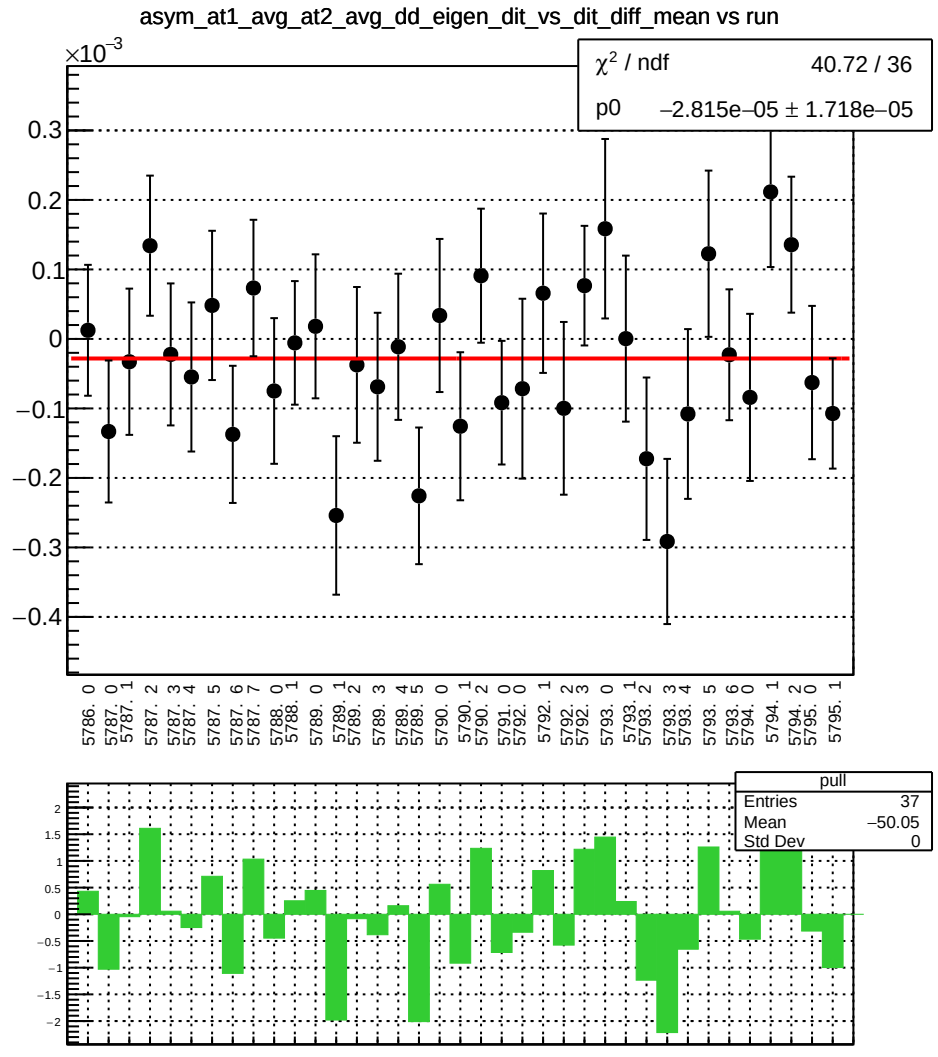

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131± 0.2072
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.08905
Std Dev 1.16
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

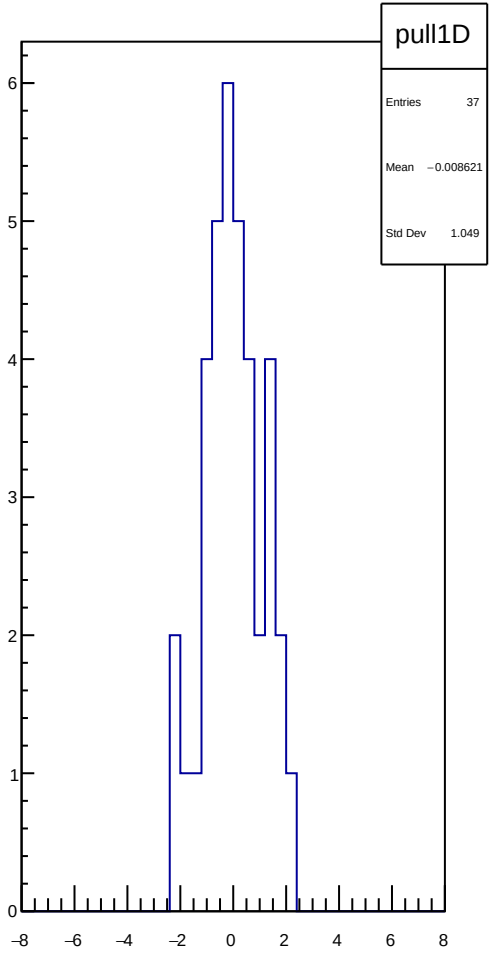

asym_at1_avg_at2_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

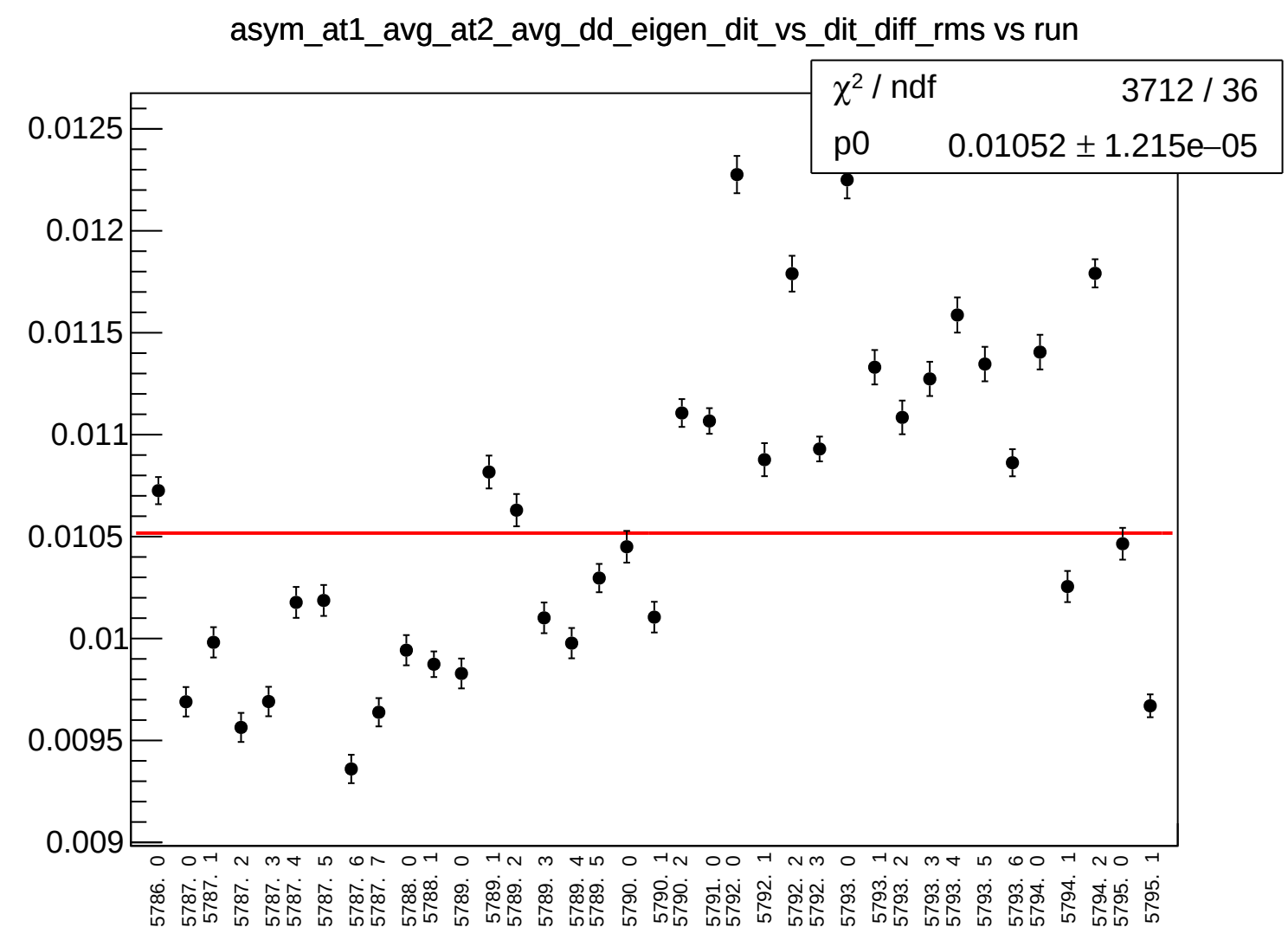

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131± 0.2072
pull
Entries 37
Mean −19.46
Std Dev 0

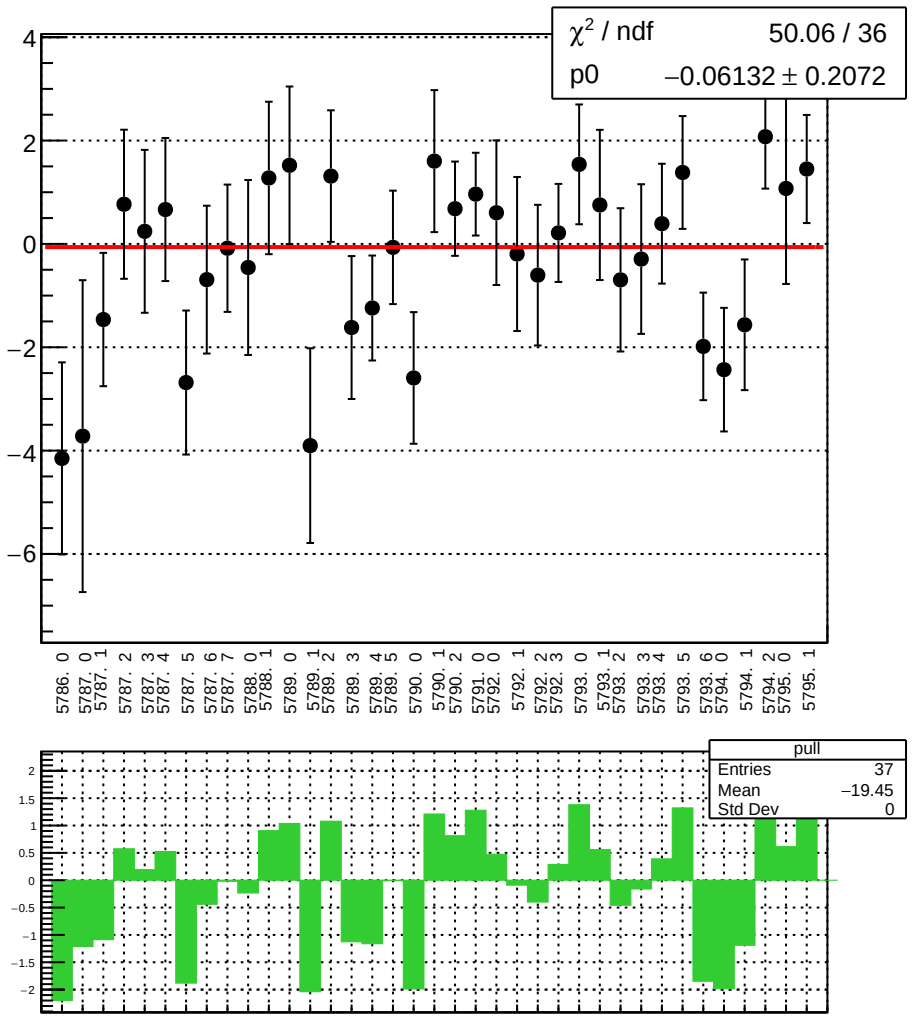

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

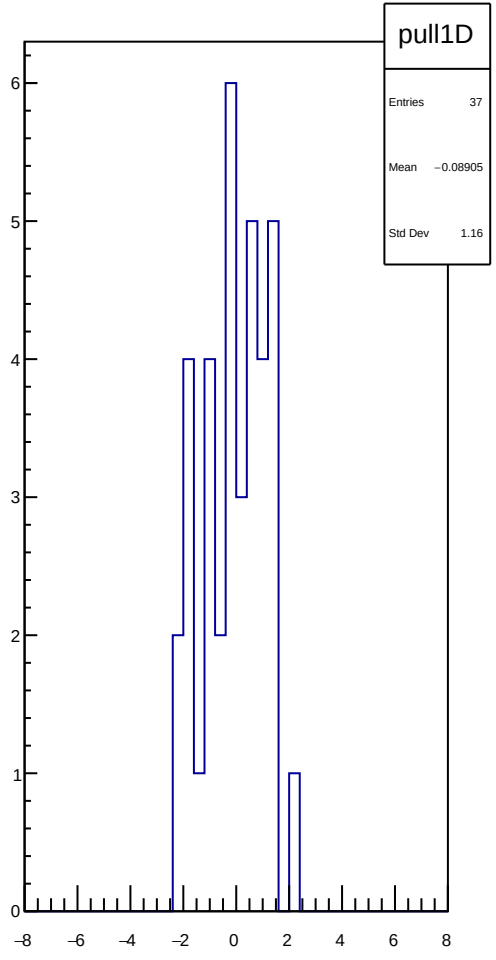

asym_at1_avg_at2_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

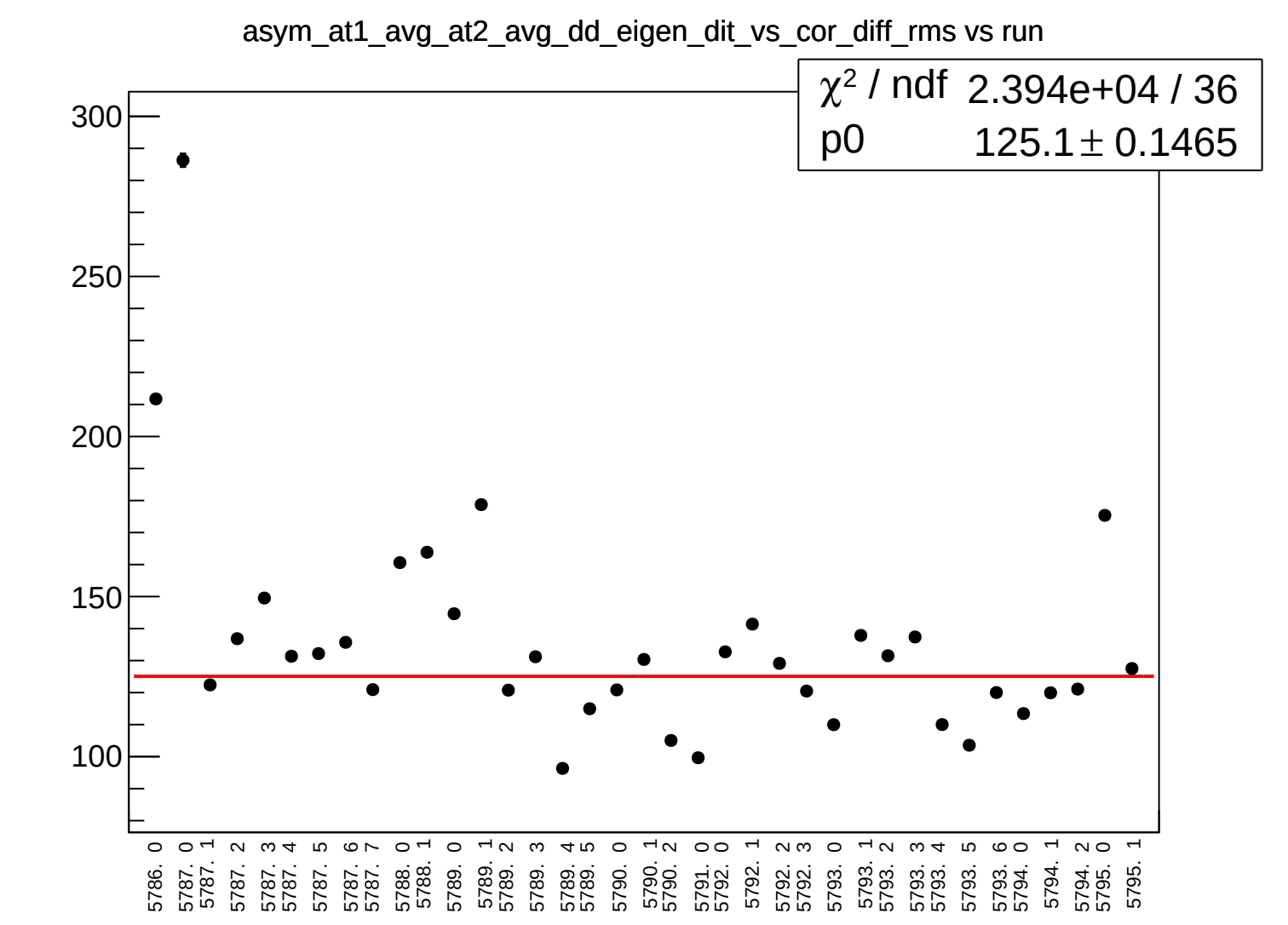

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.72 / 36
p0 −2.815e−05 ± 1.718e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

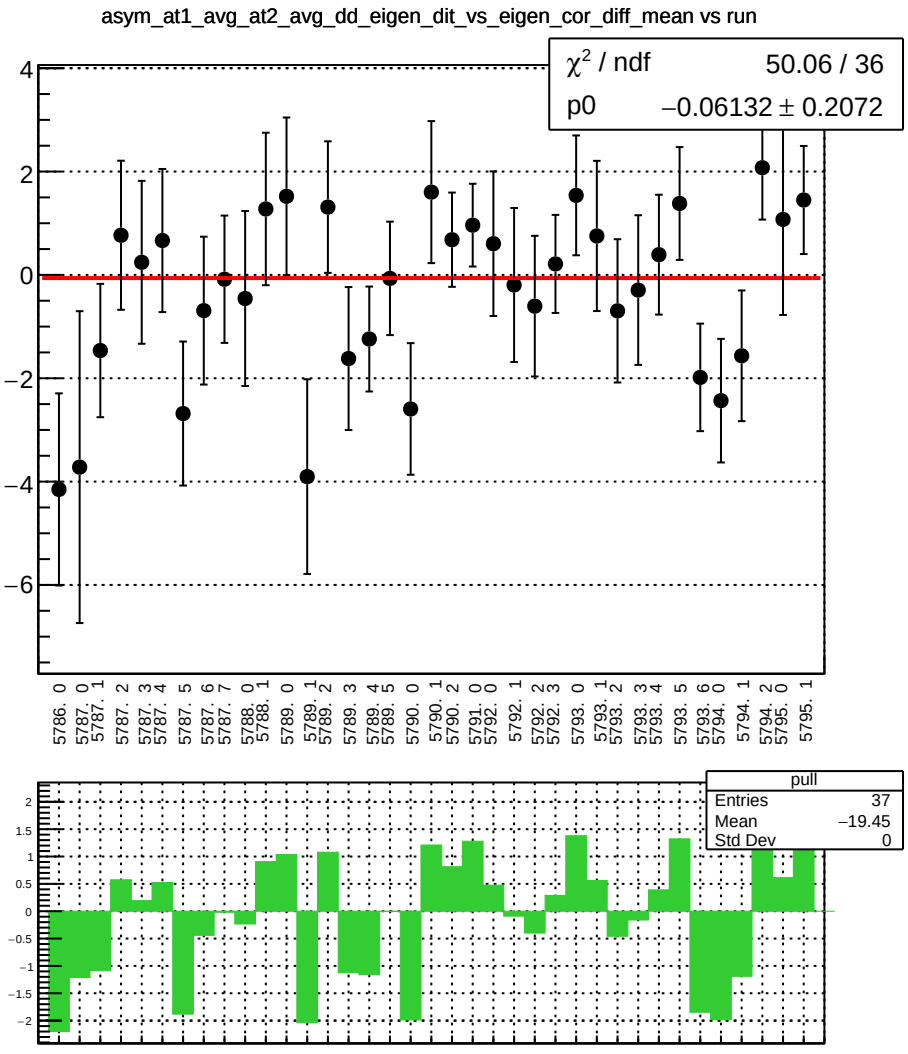

pull1D
Entries 37
Mean −0.008621
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

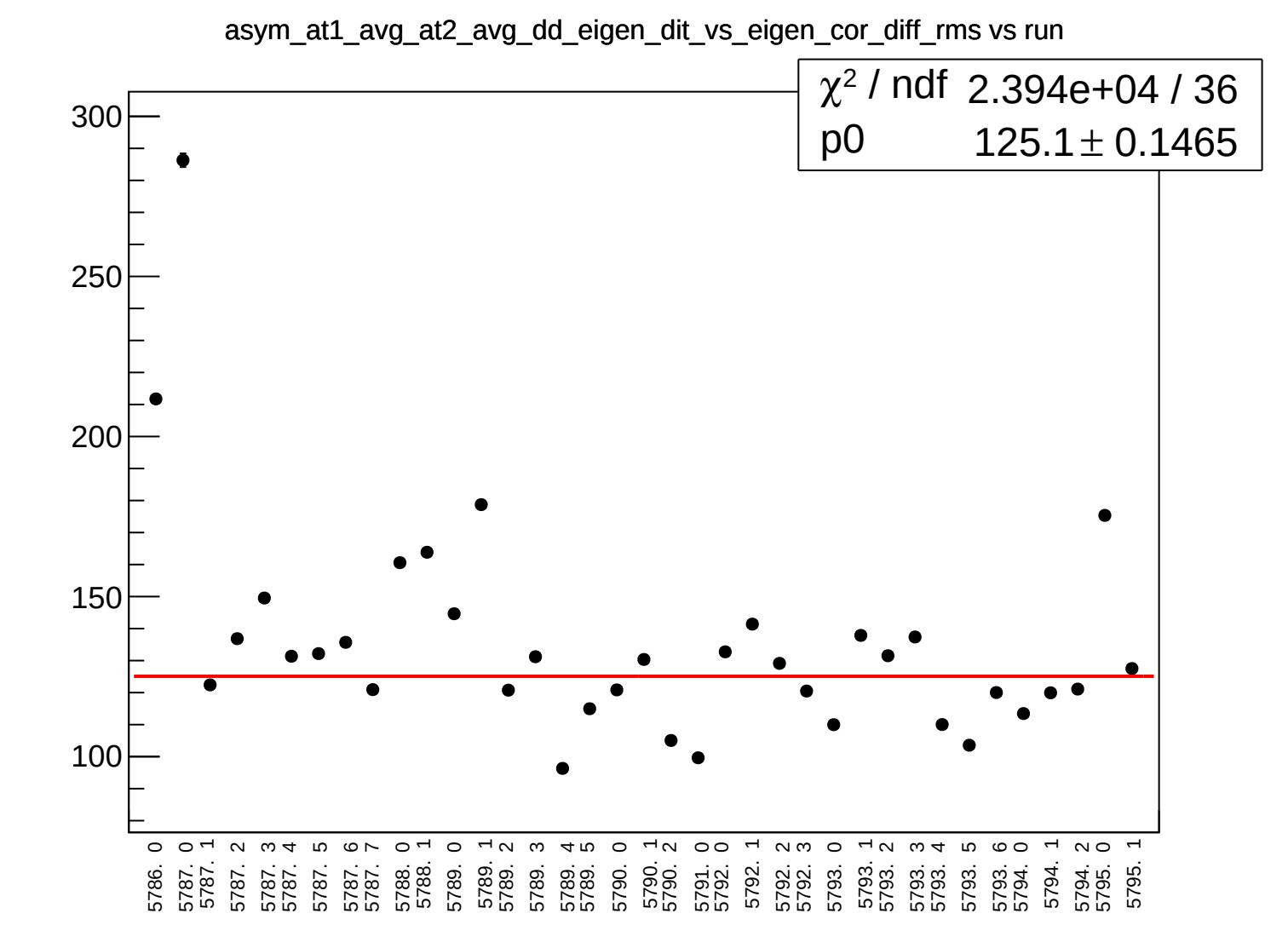

asym_at1_avg_at2_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3712 / 36
p0 0.01052 ± 1.215e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

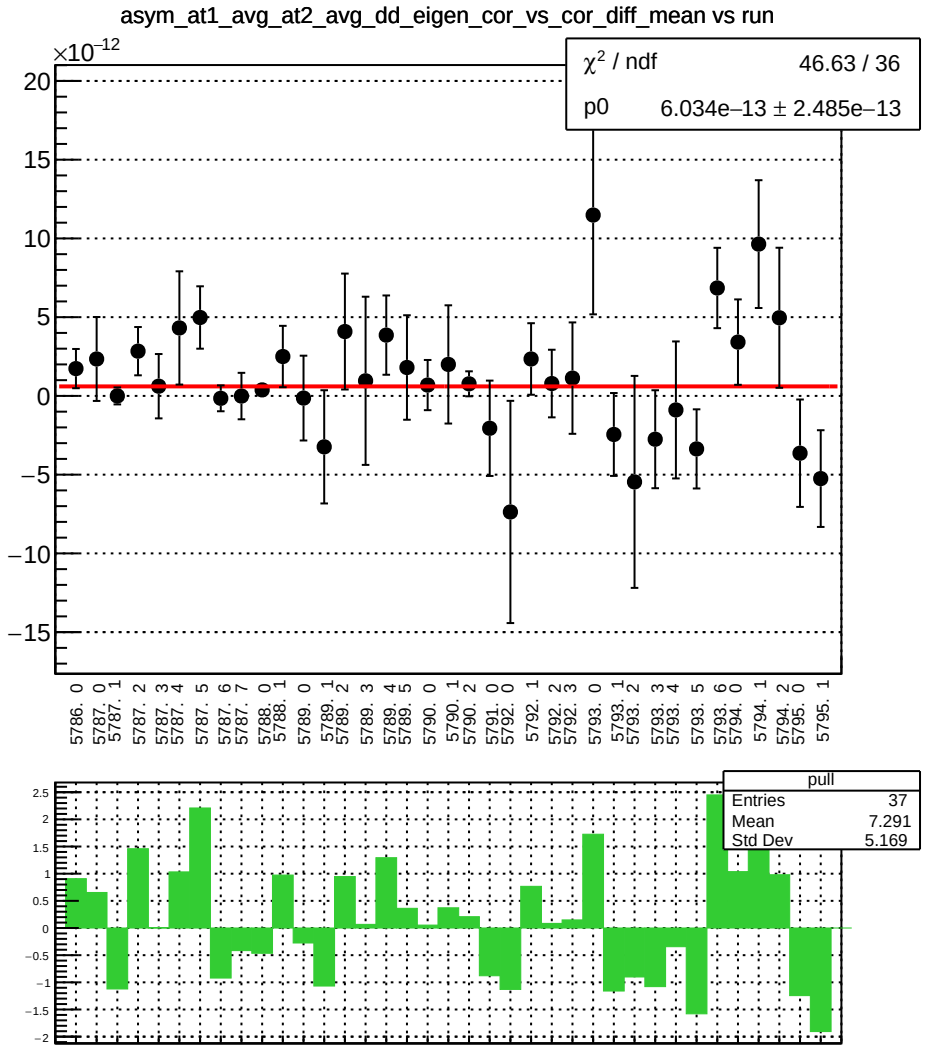

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.45
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

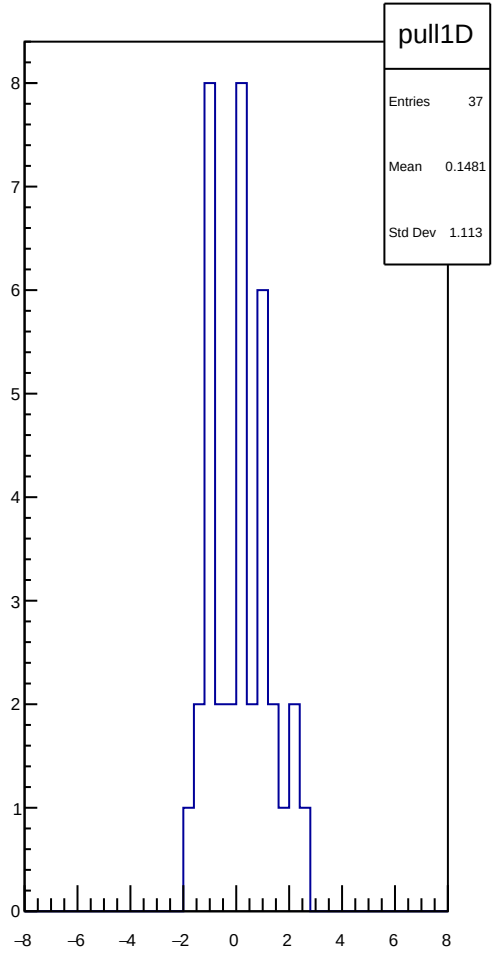

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

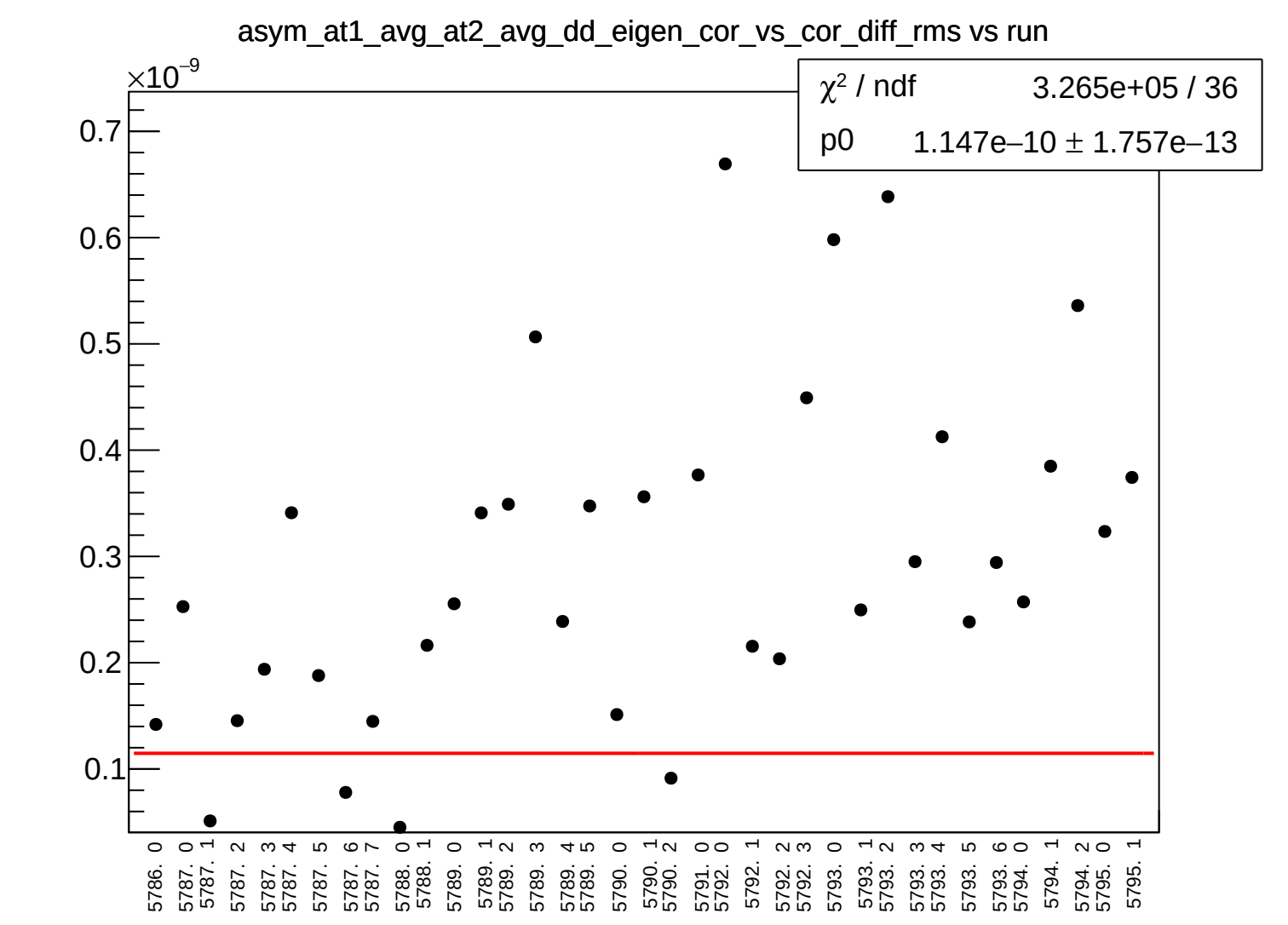

asym_at1_avg_at2_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

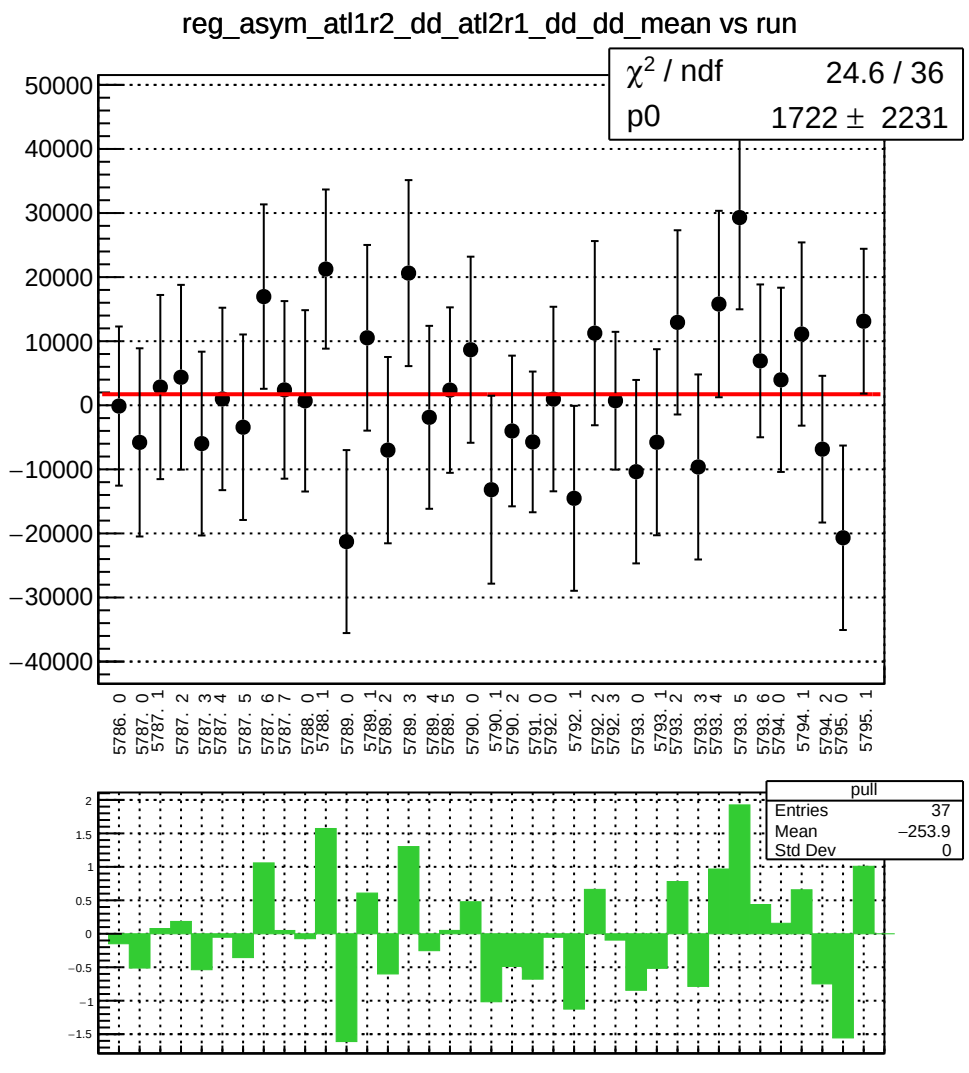

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
pull
Entries 37
Mean −19.45
Std Dev 0
pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

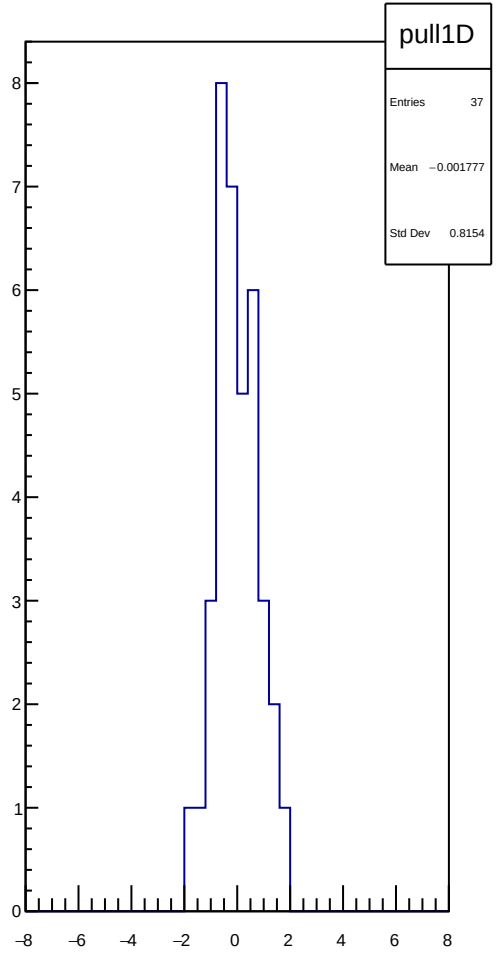

asym_at1_avg_at2_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

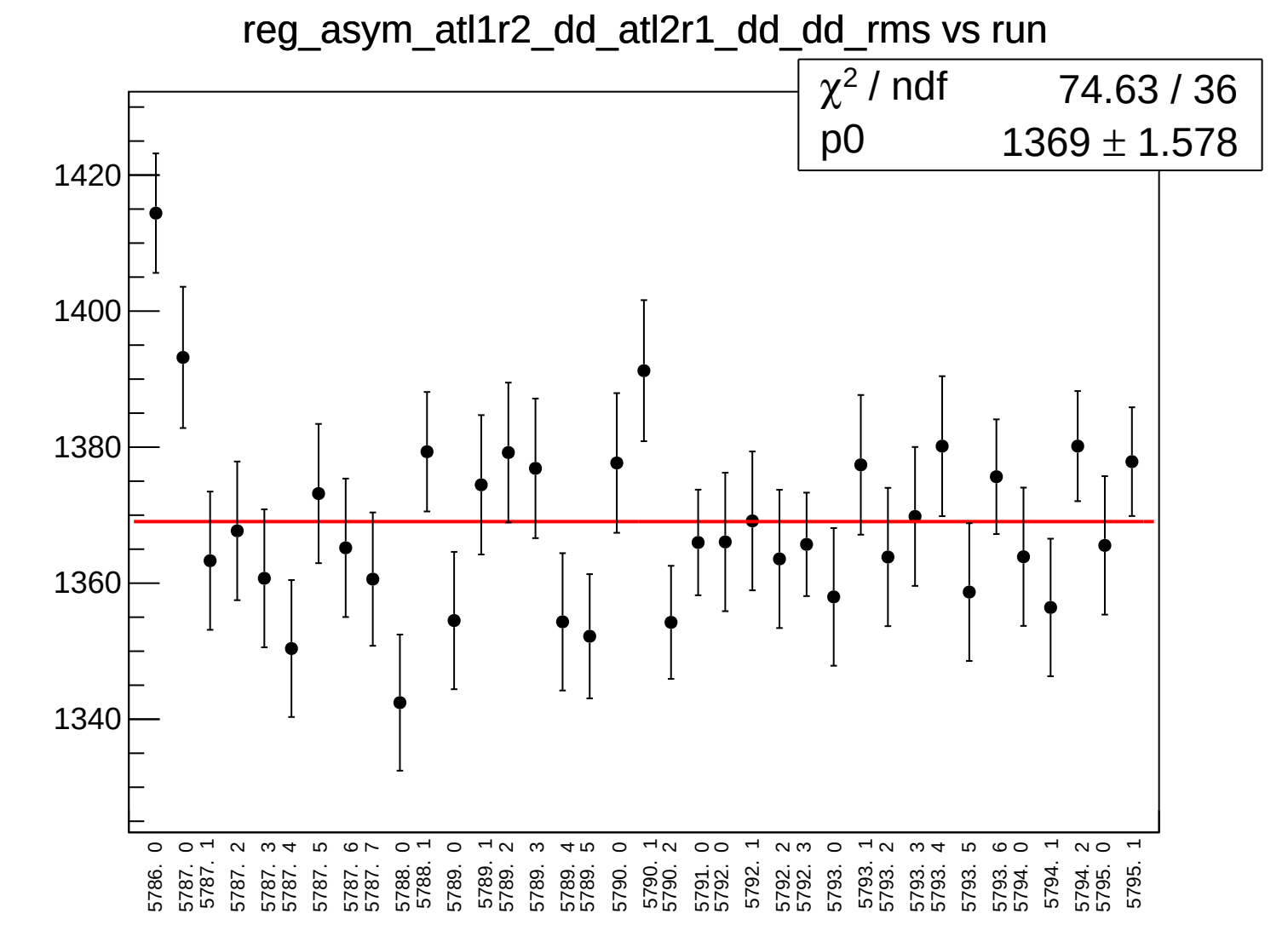

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.63 / 36
p0 6.034e−13 ± 2.485e−13
pull
Entries 37
Mean 7.291
Std Dev 5.169

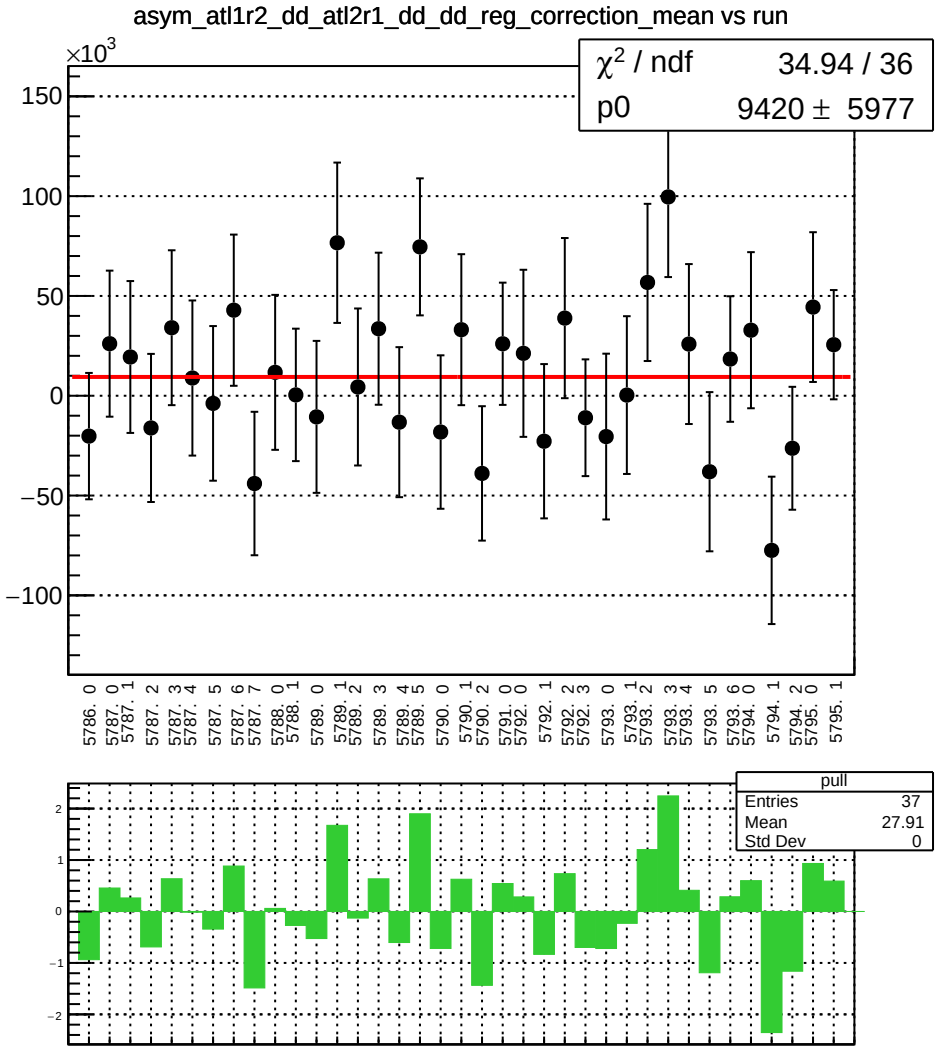

pull1D
Entries 37
Mean 0.1481
Std Dev 1.113

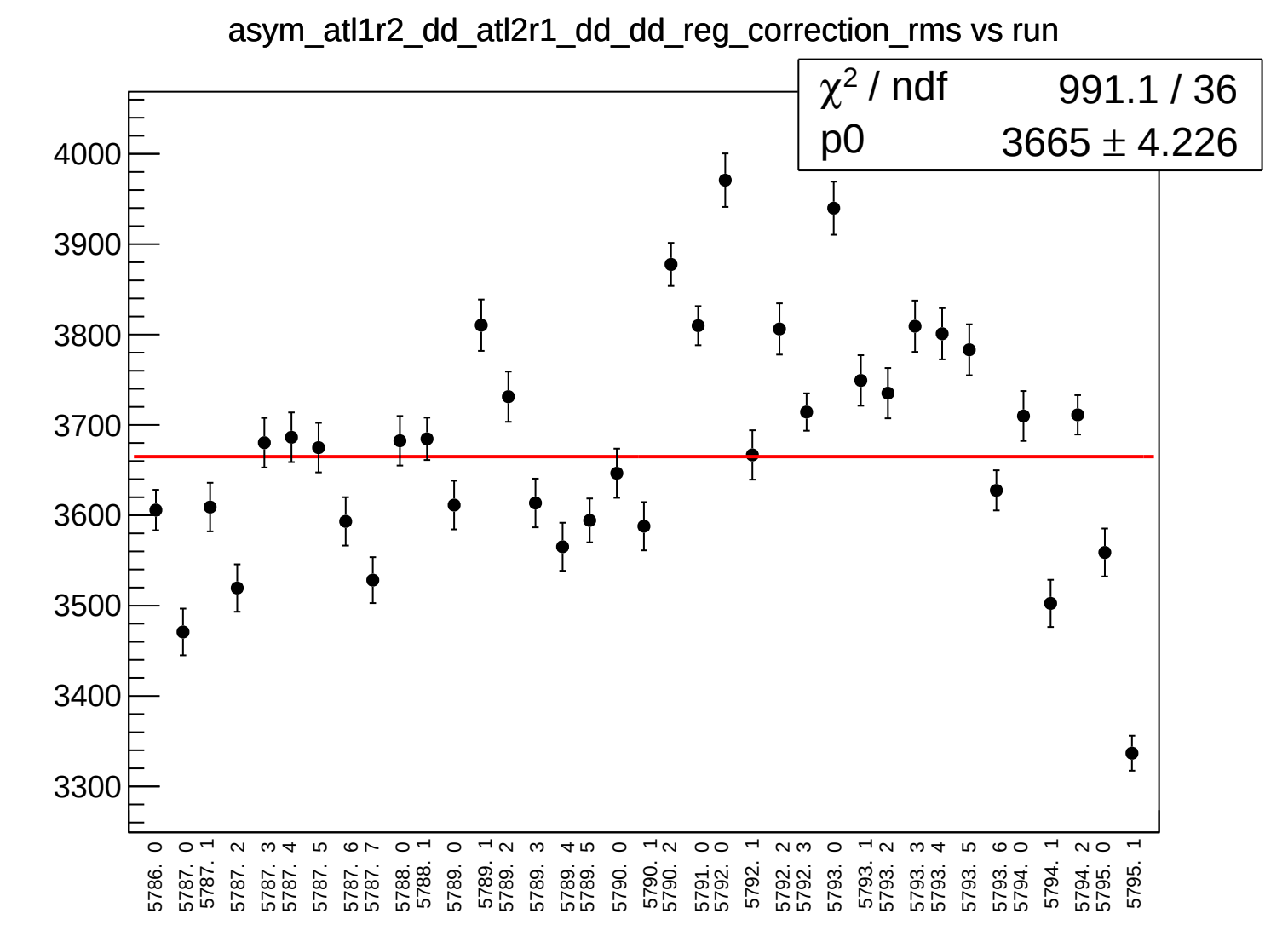

asym_at1_avg_at2_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.265e+05 / 36
p0 1.147e−10 ± 1.757e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

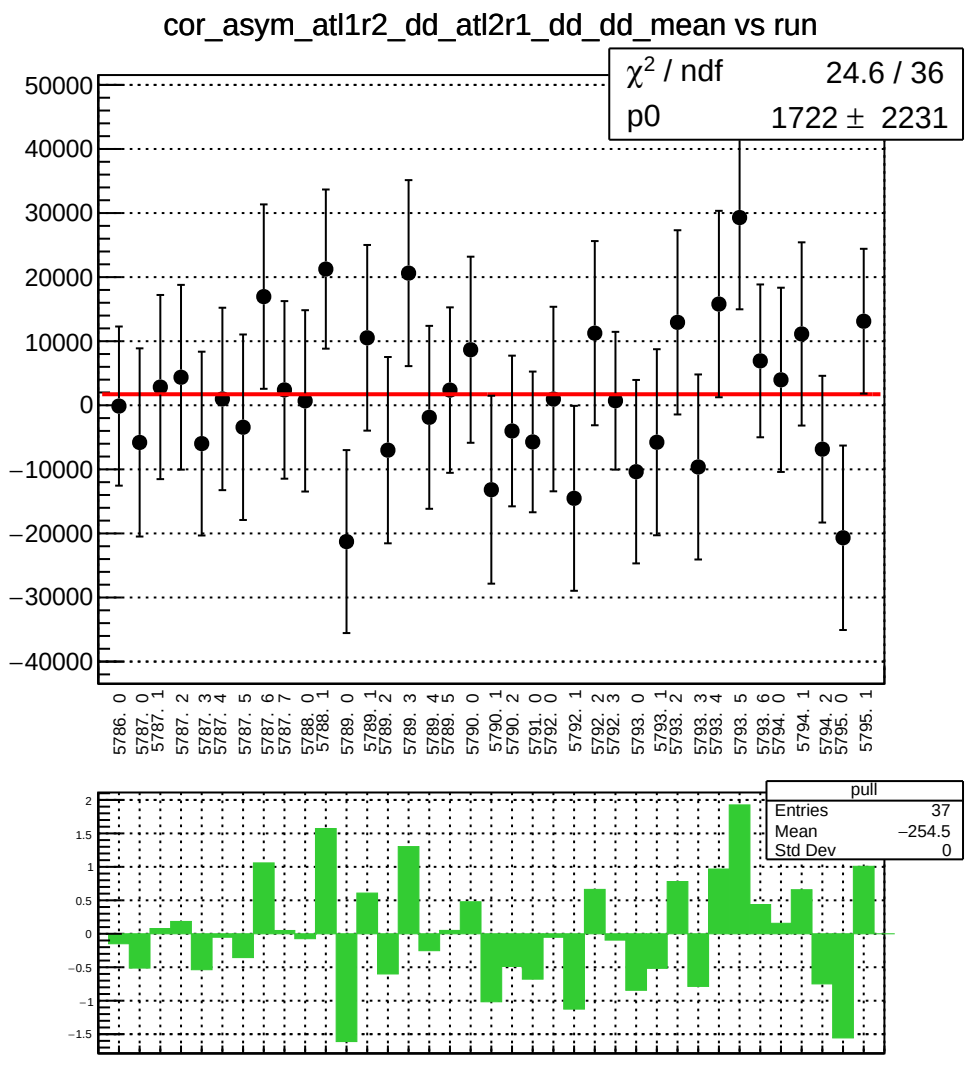

reg_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −253.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

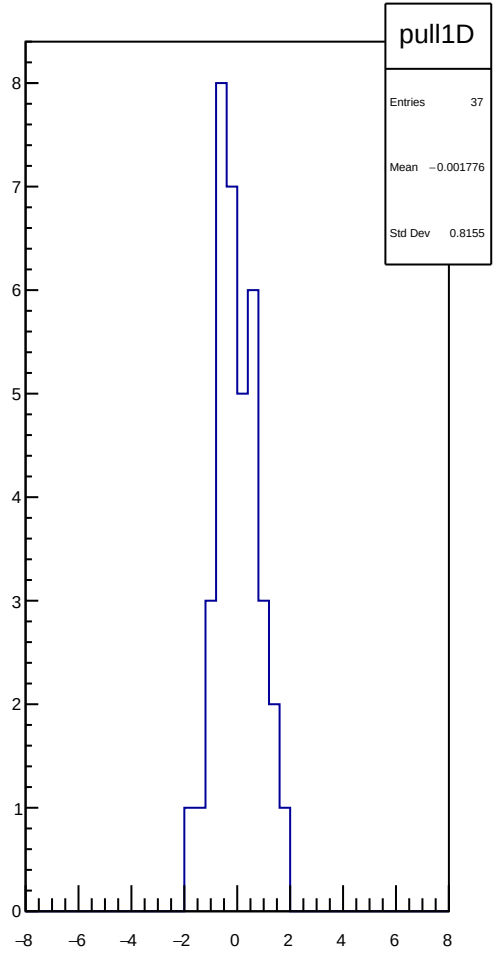

pull1D
Entries 37
Mean −0.001777
Std Dev 0.8154
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

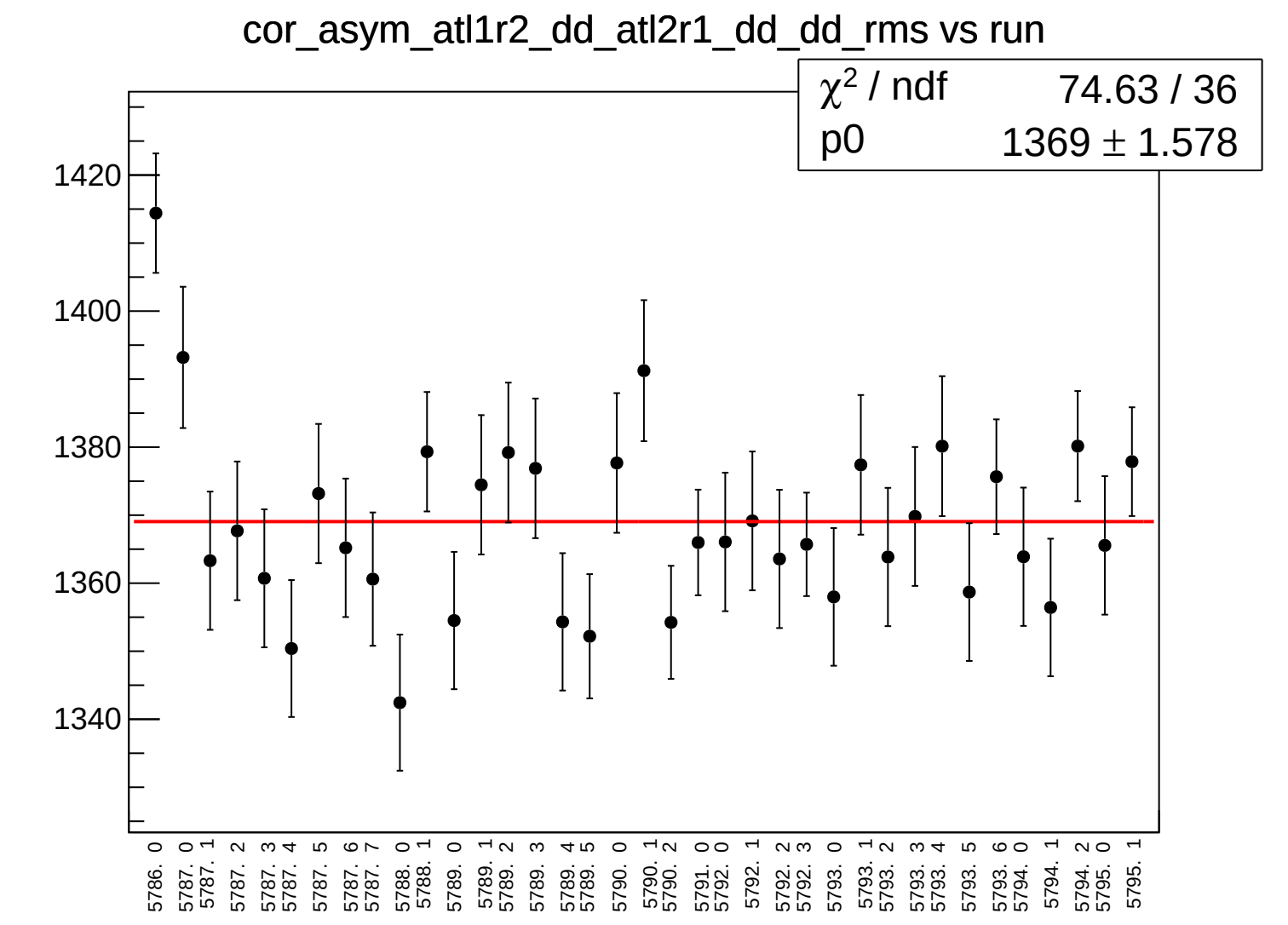

reg_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

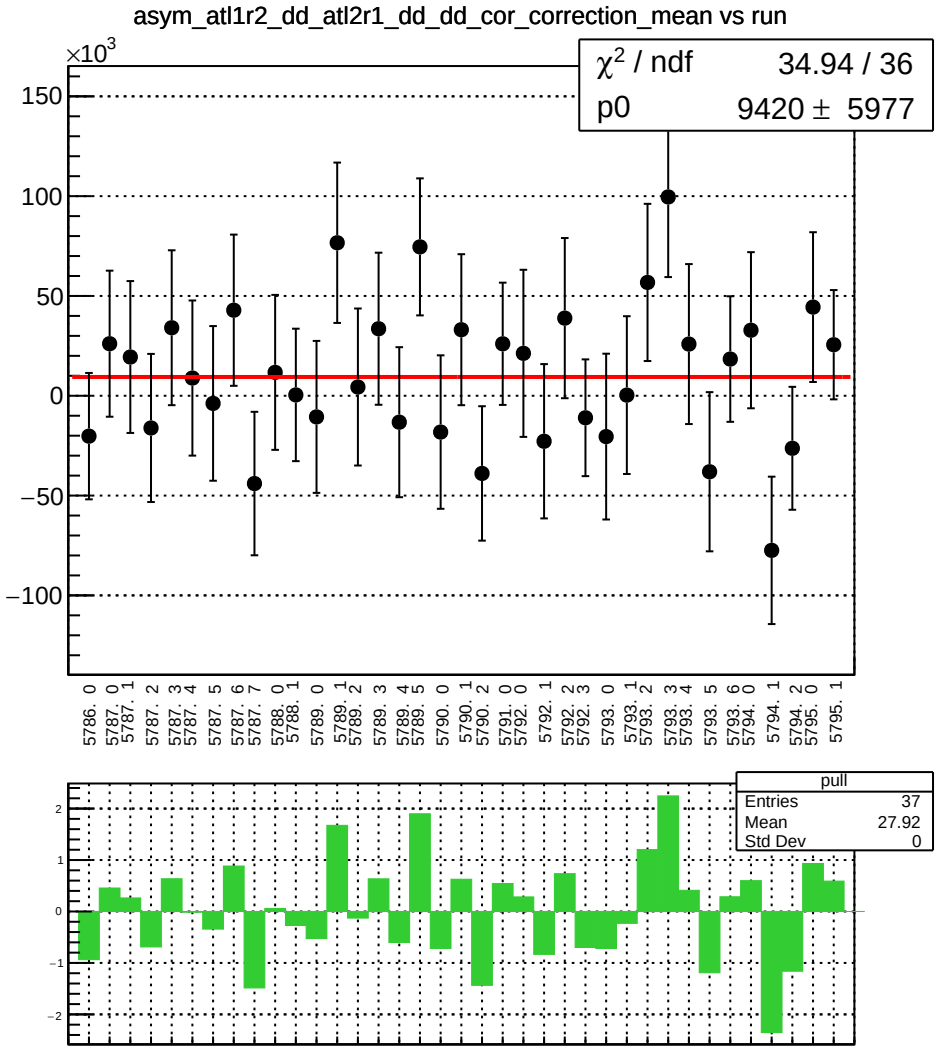

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.91
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01684
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

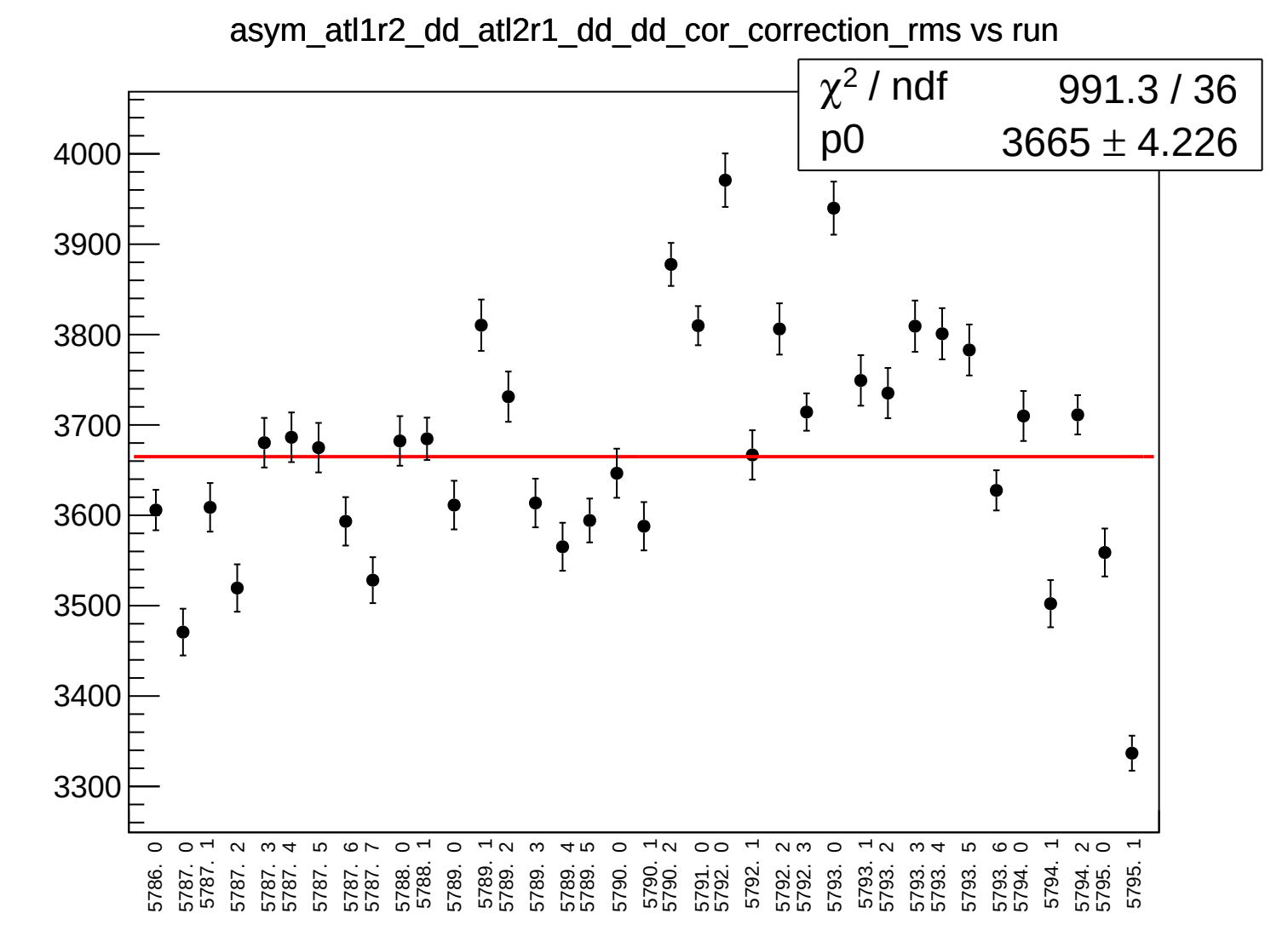

asym_atl1r2_dd_atl2r1_dd_dd_reg_correction_rms vs run
χ² / ndf 991.1 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

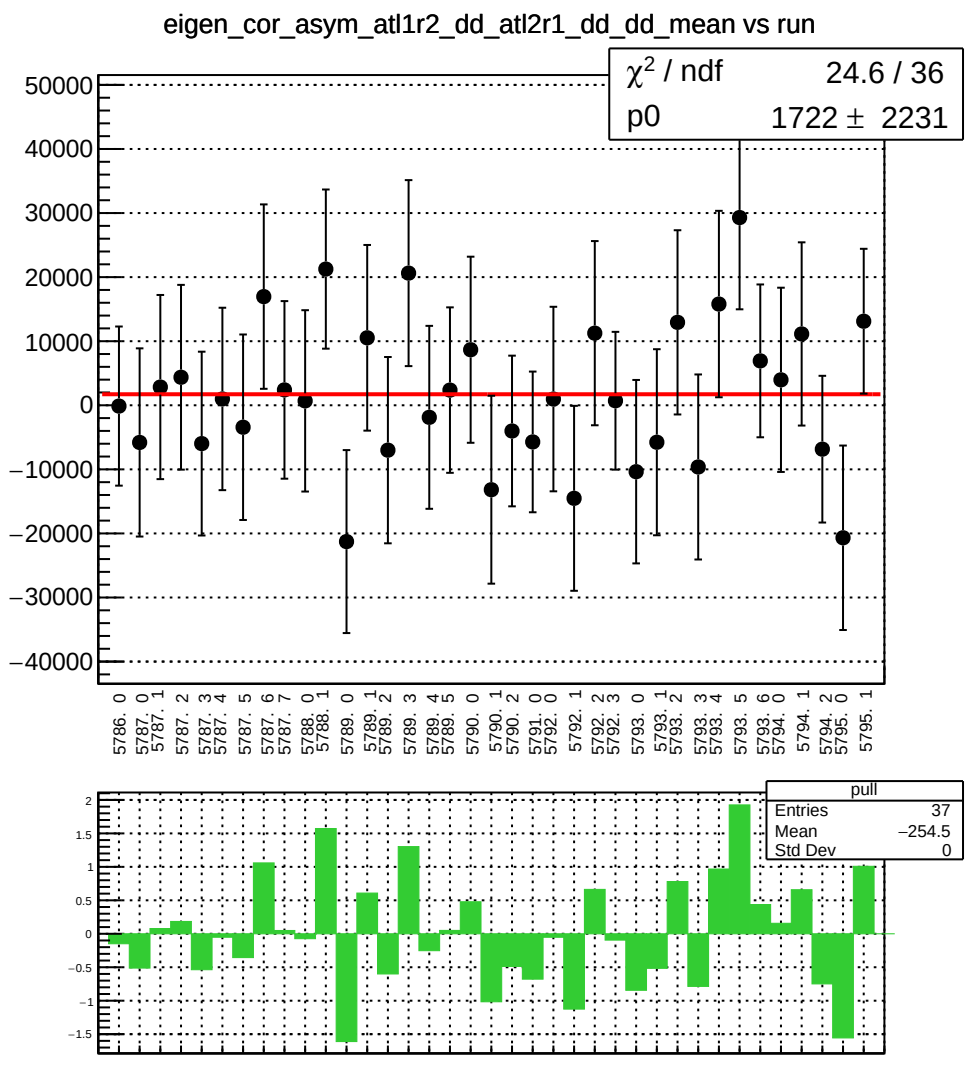

cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −254.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

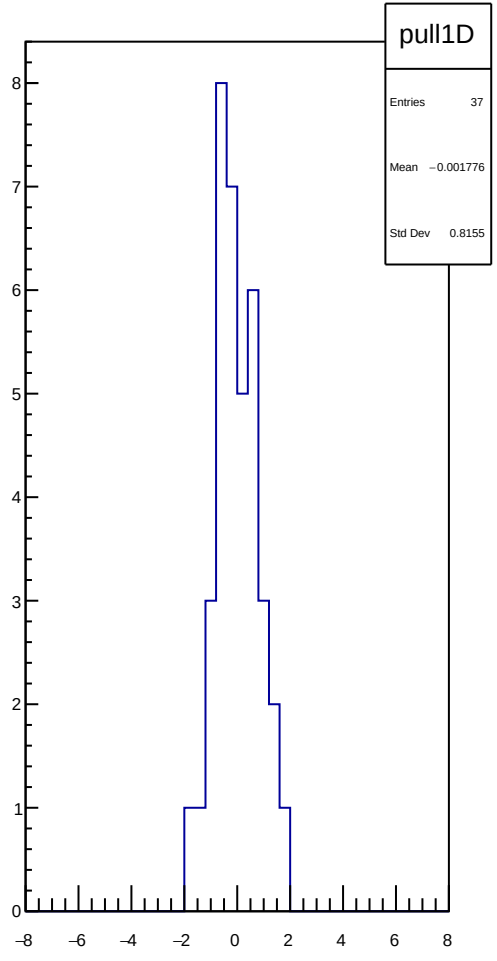

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

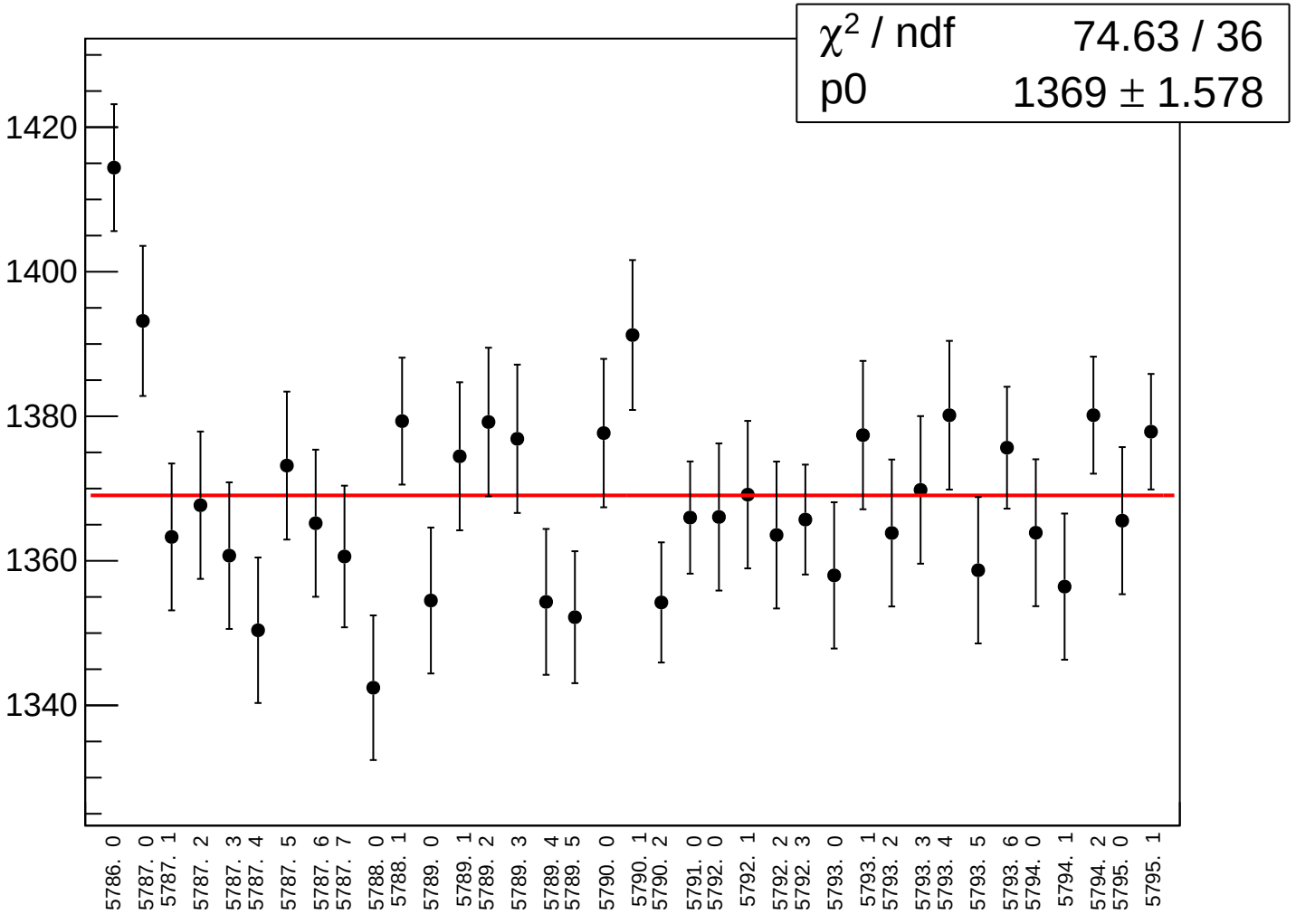

cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

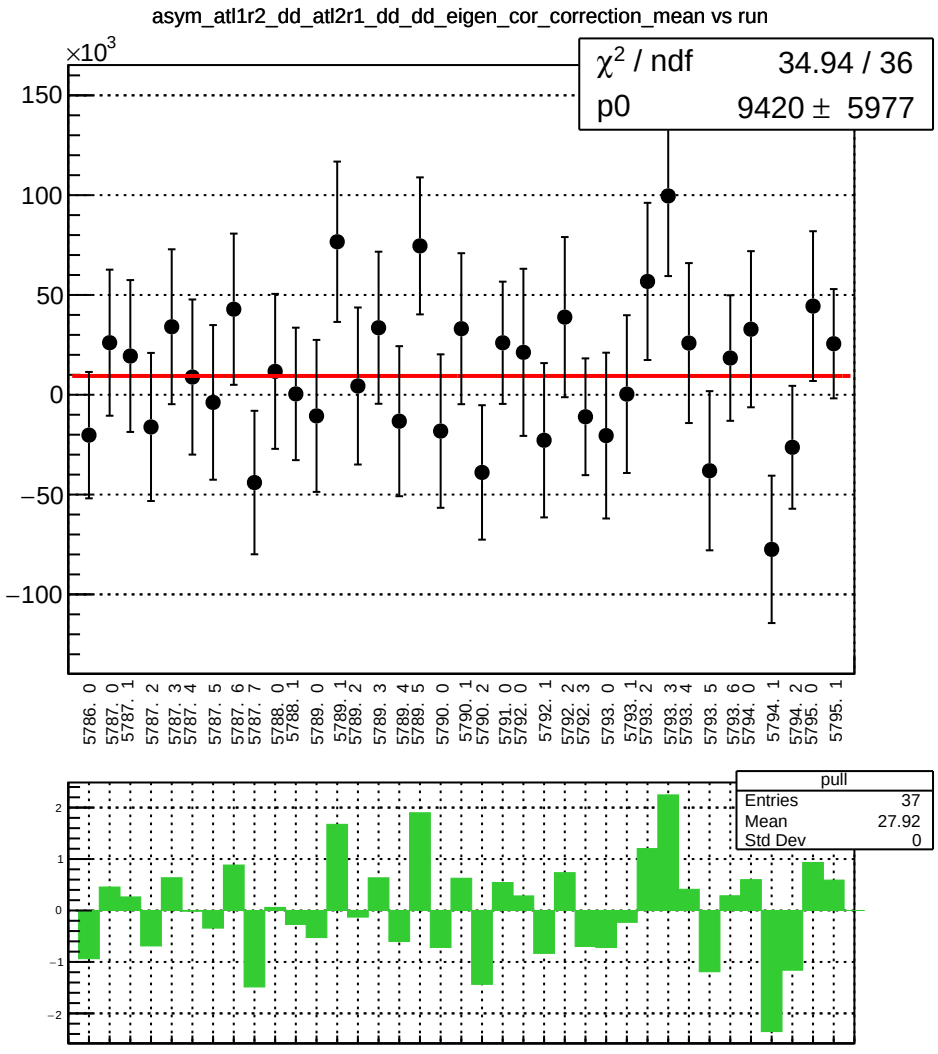

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

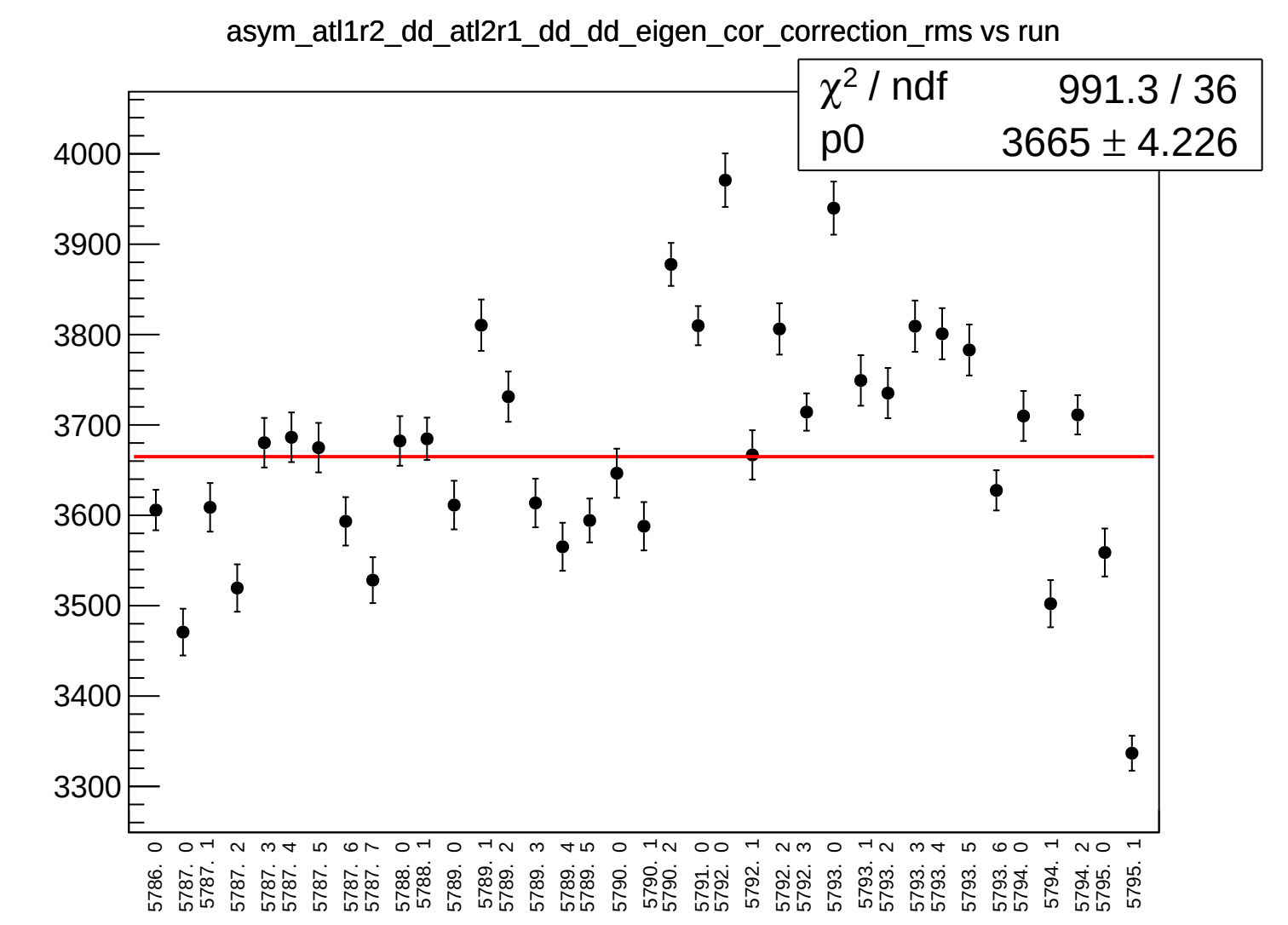

asym_atl1r2_dd_atl2r1_dd_dd_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

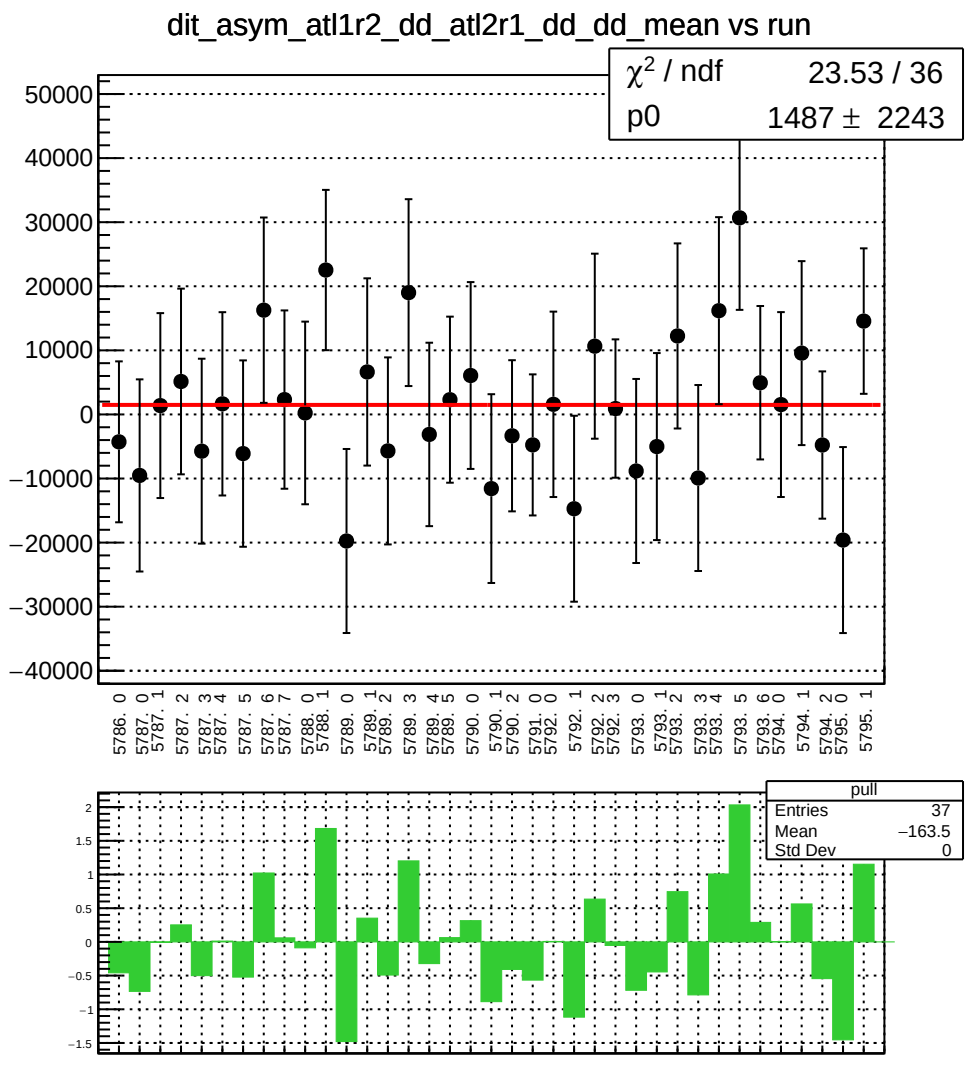

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 24.6 / 36
p0 1722 ± 2231
pull
Entries 37
Mean −254.5
Std Dev 0

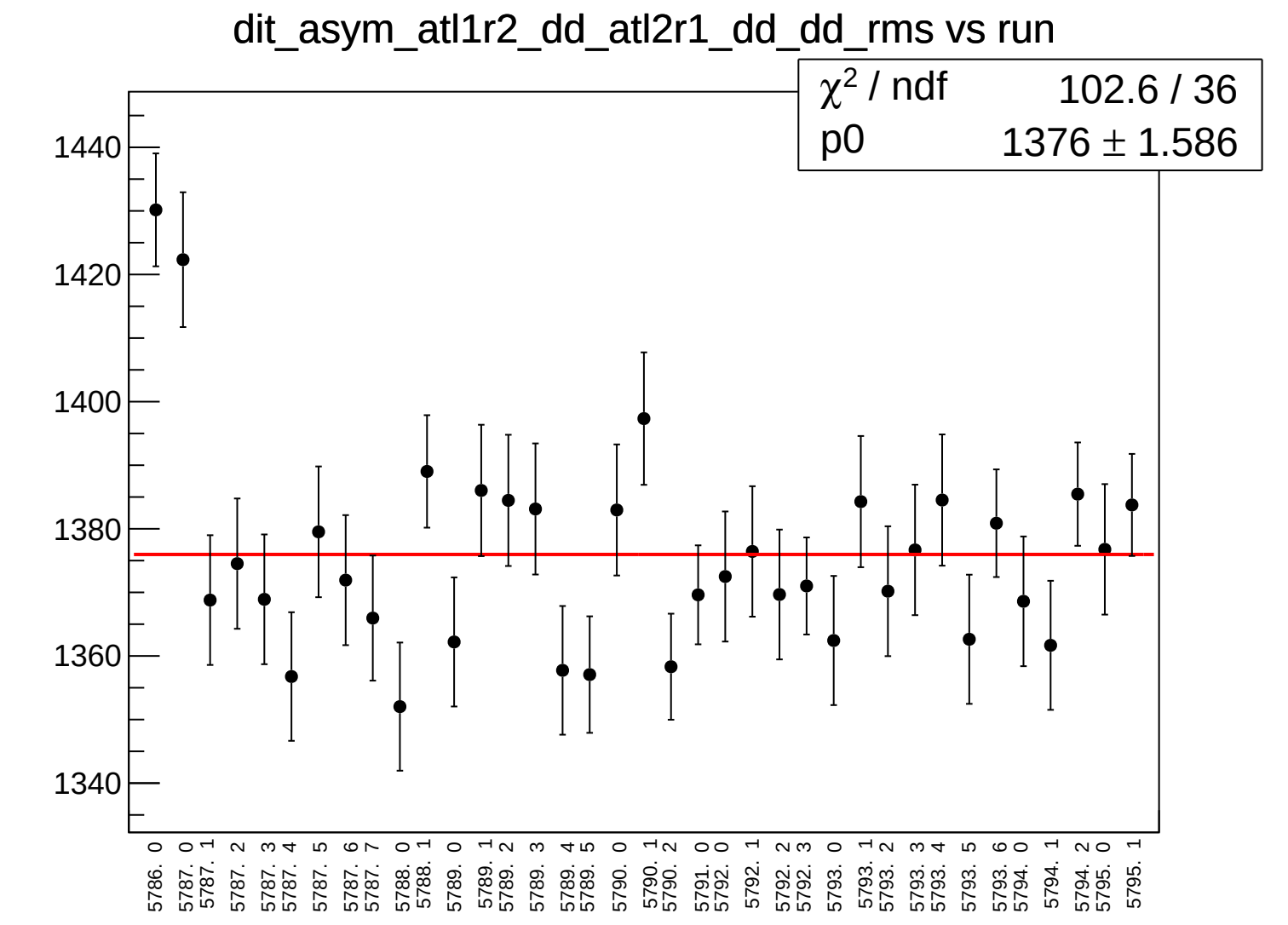

pull1D
Entries 37
Mean −0.001776
Std Dev 0.8155

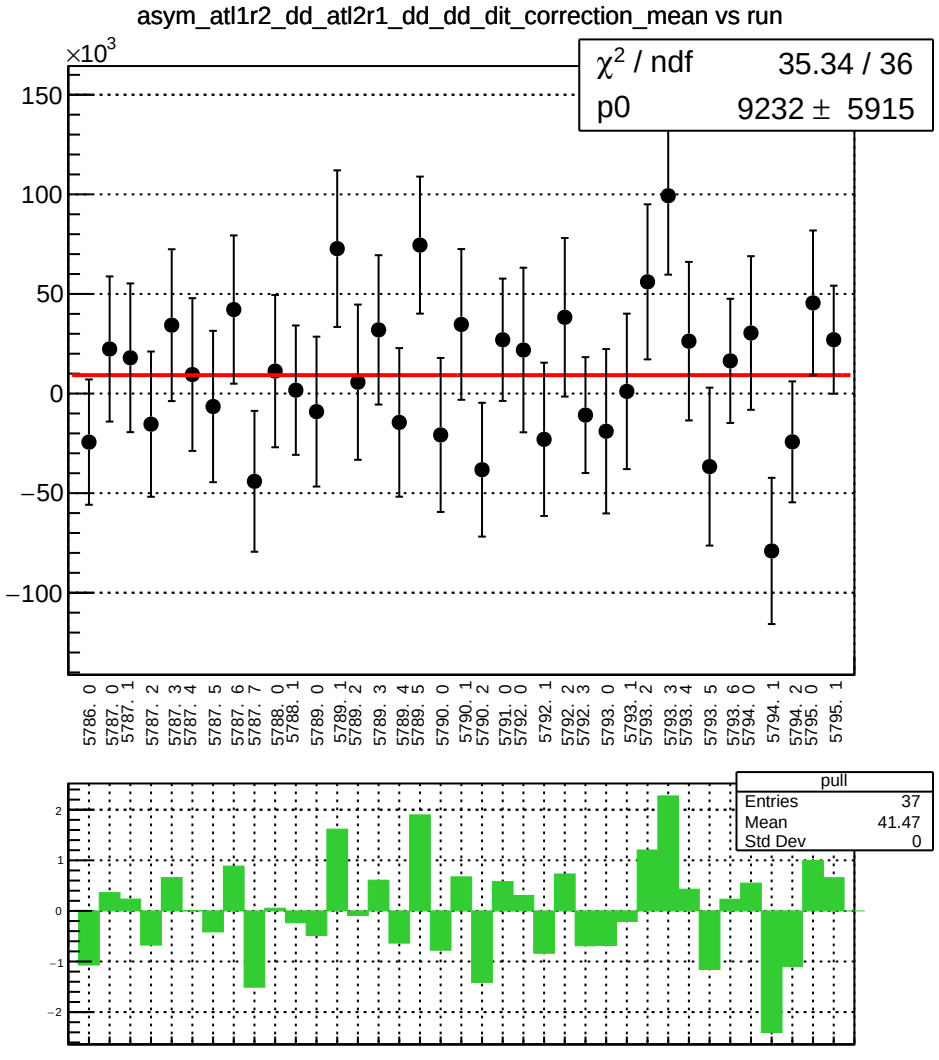

eigen_cor_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 74.63 / 36
p0 1369 ± 1.578
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

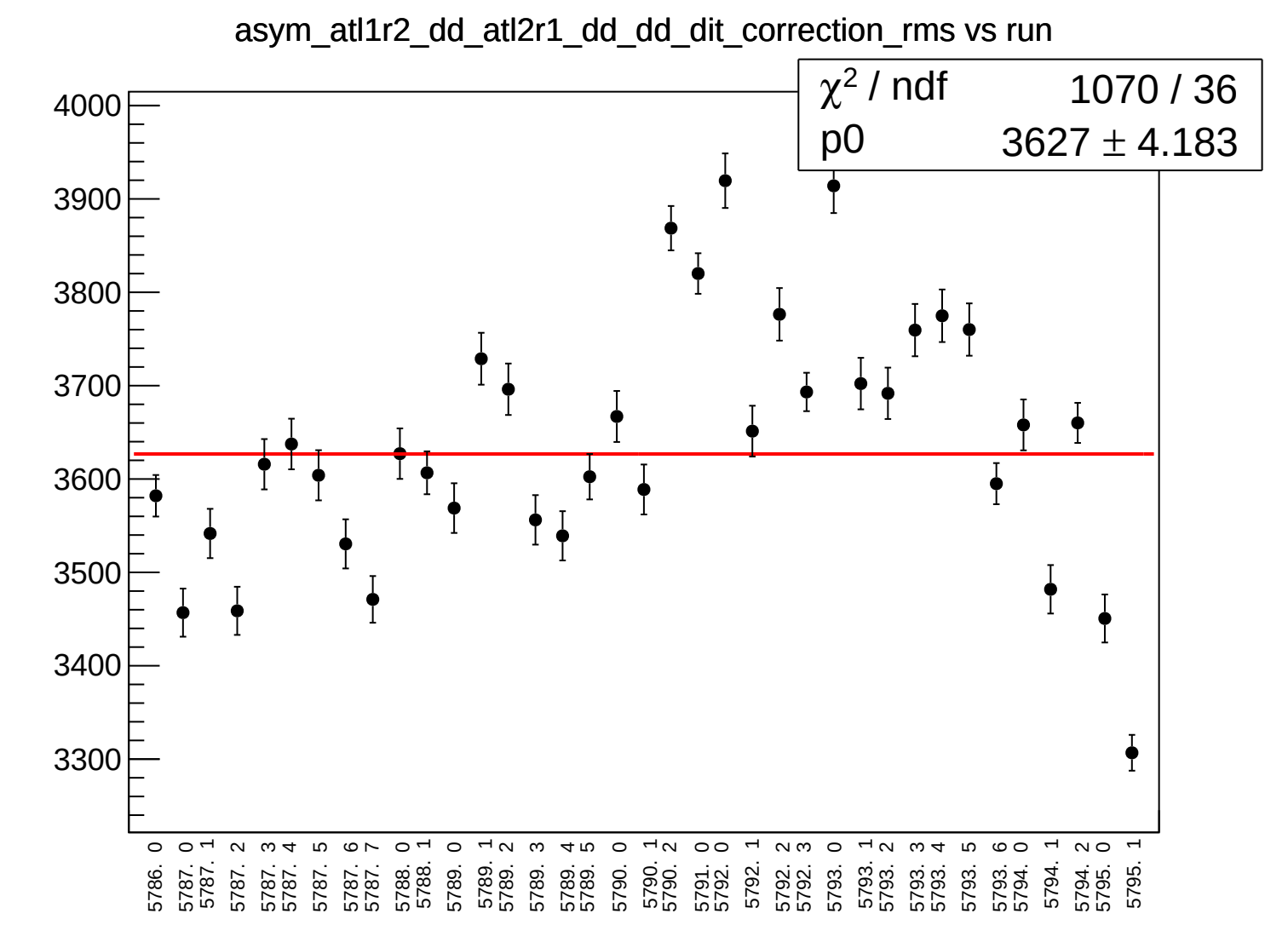

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.94 / 36
p0 9420 ± 5977
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.92
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01685
Std Dev 0.9716
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

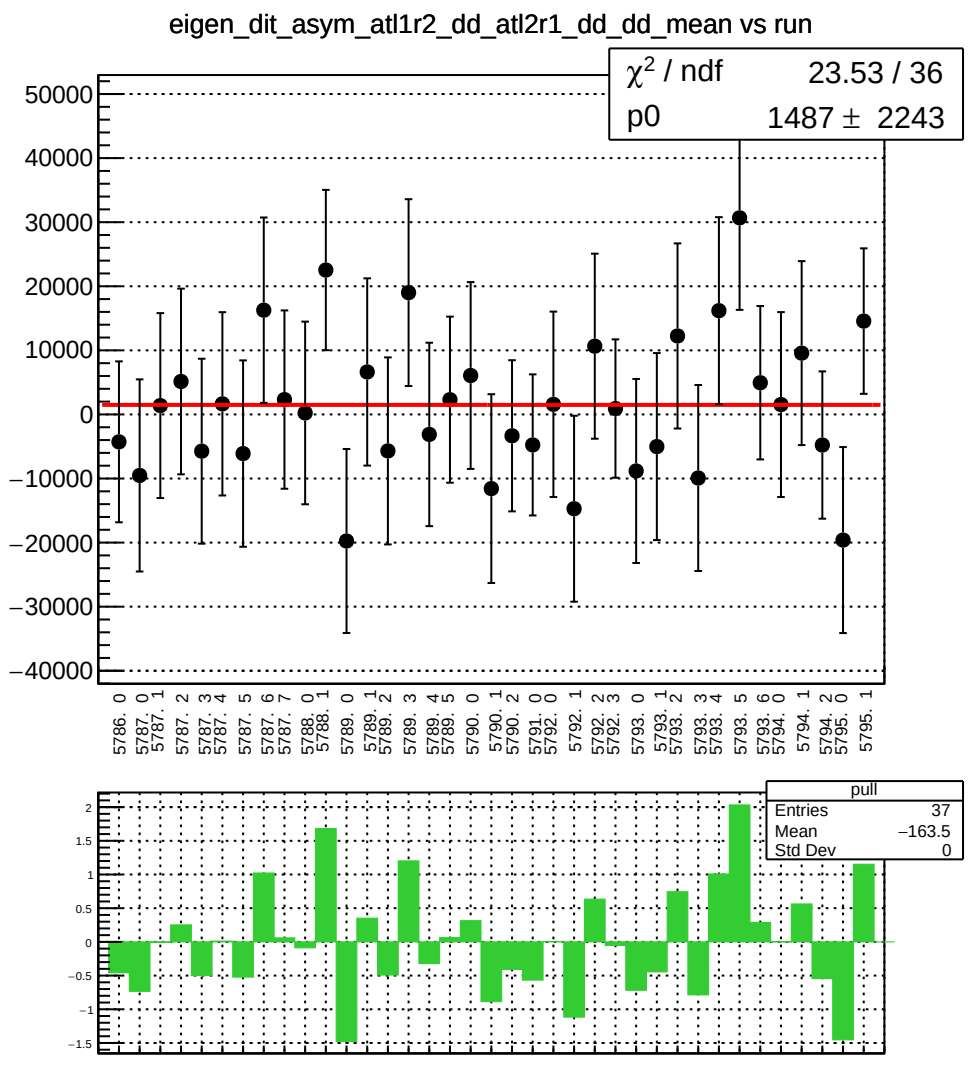

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 991.3 / 36
p0 3665 ± 4.226
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

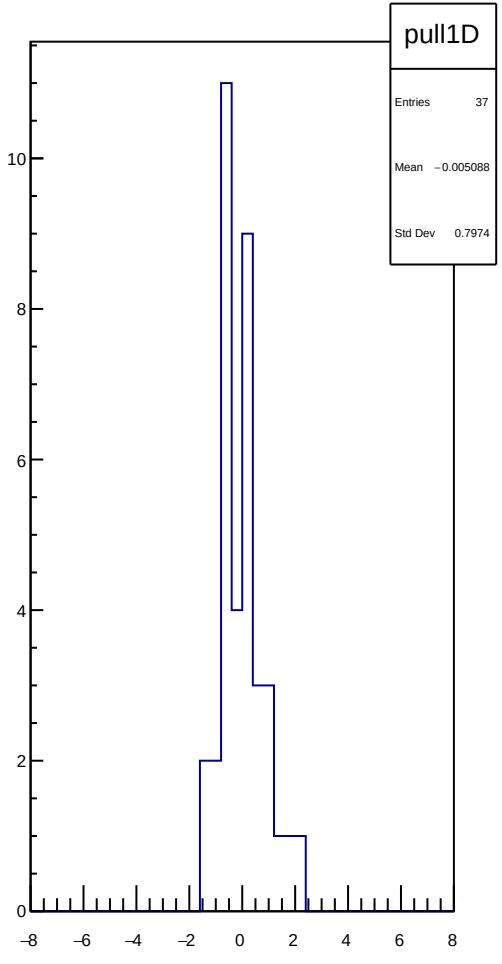

dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −163.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

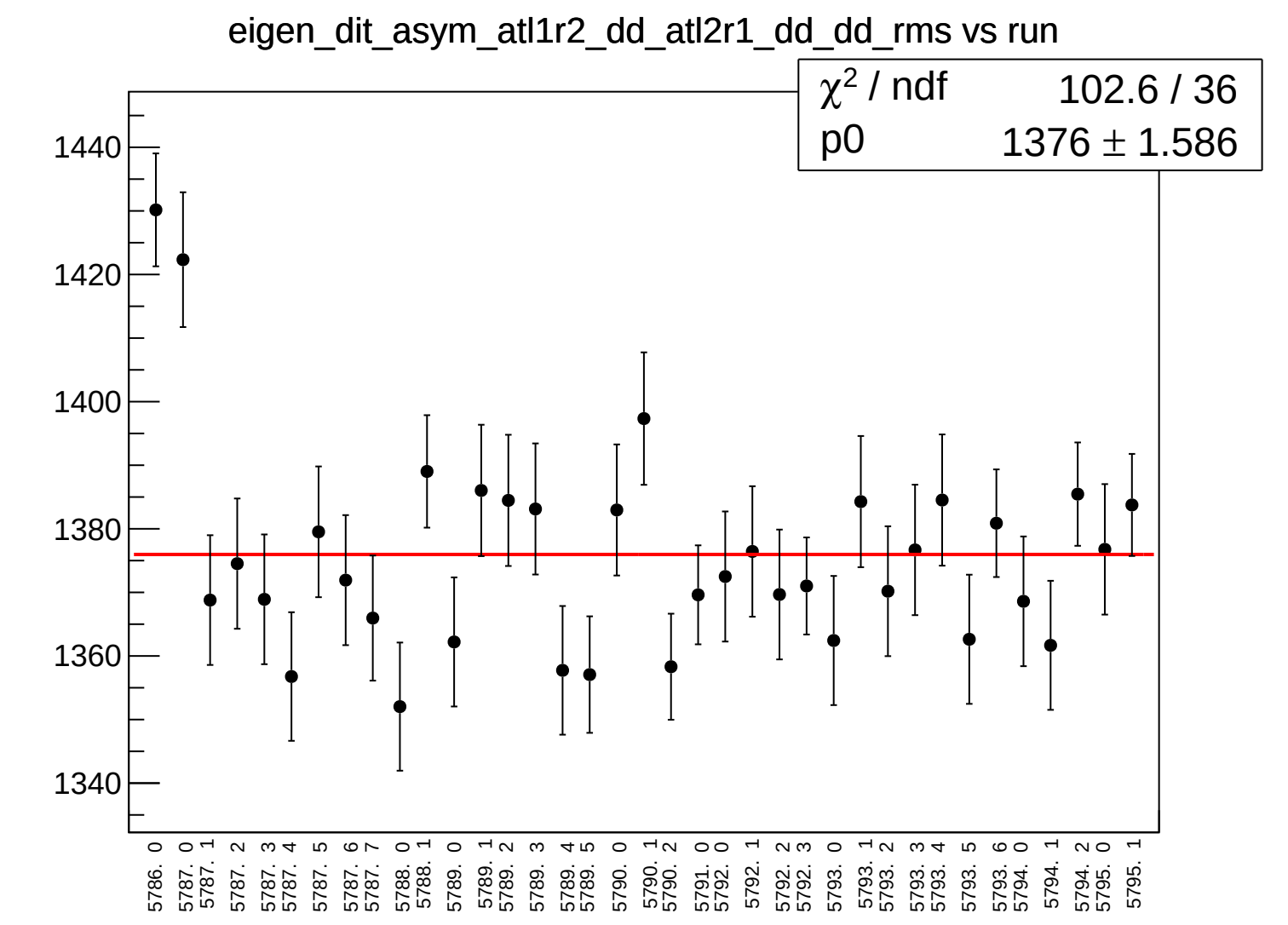

dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

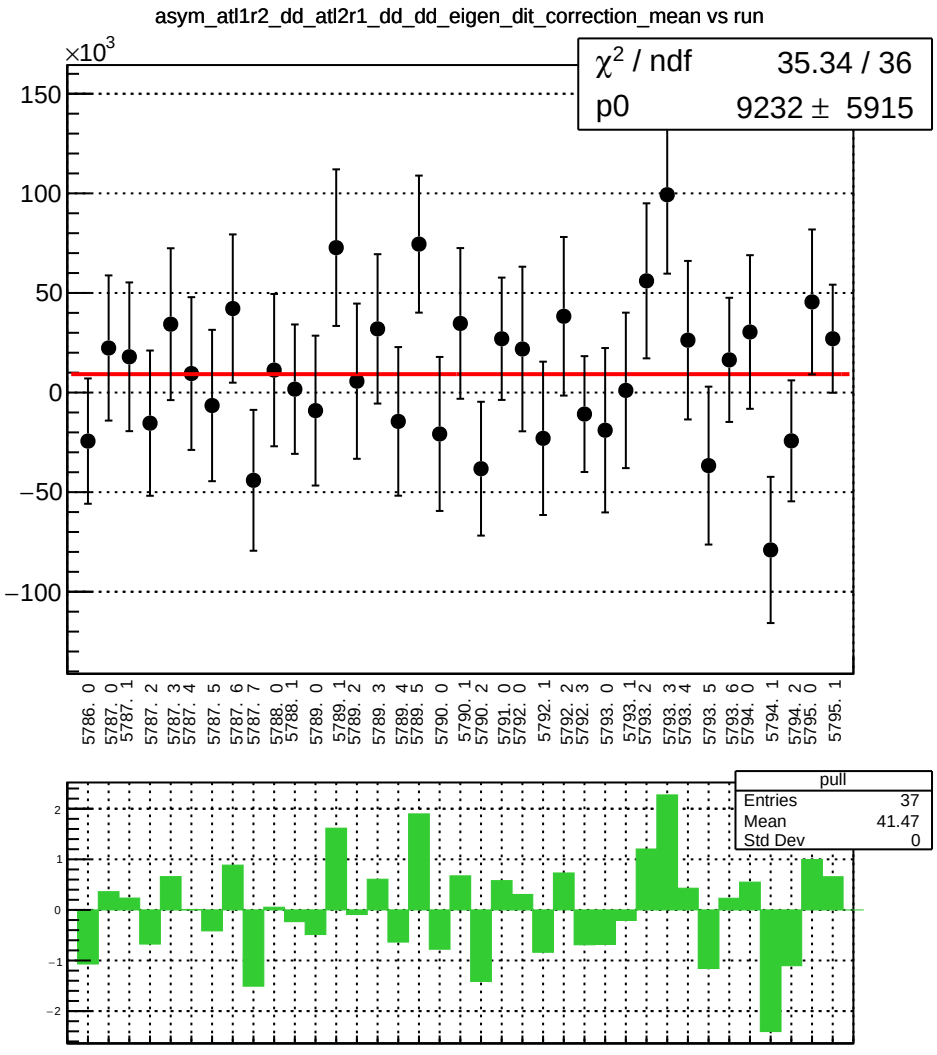

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

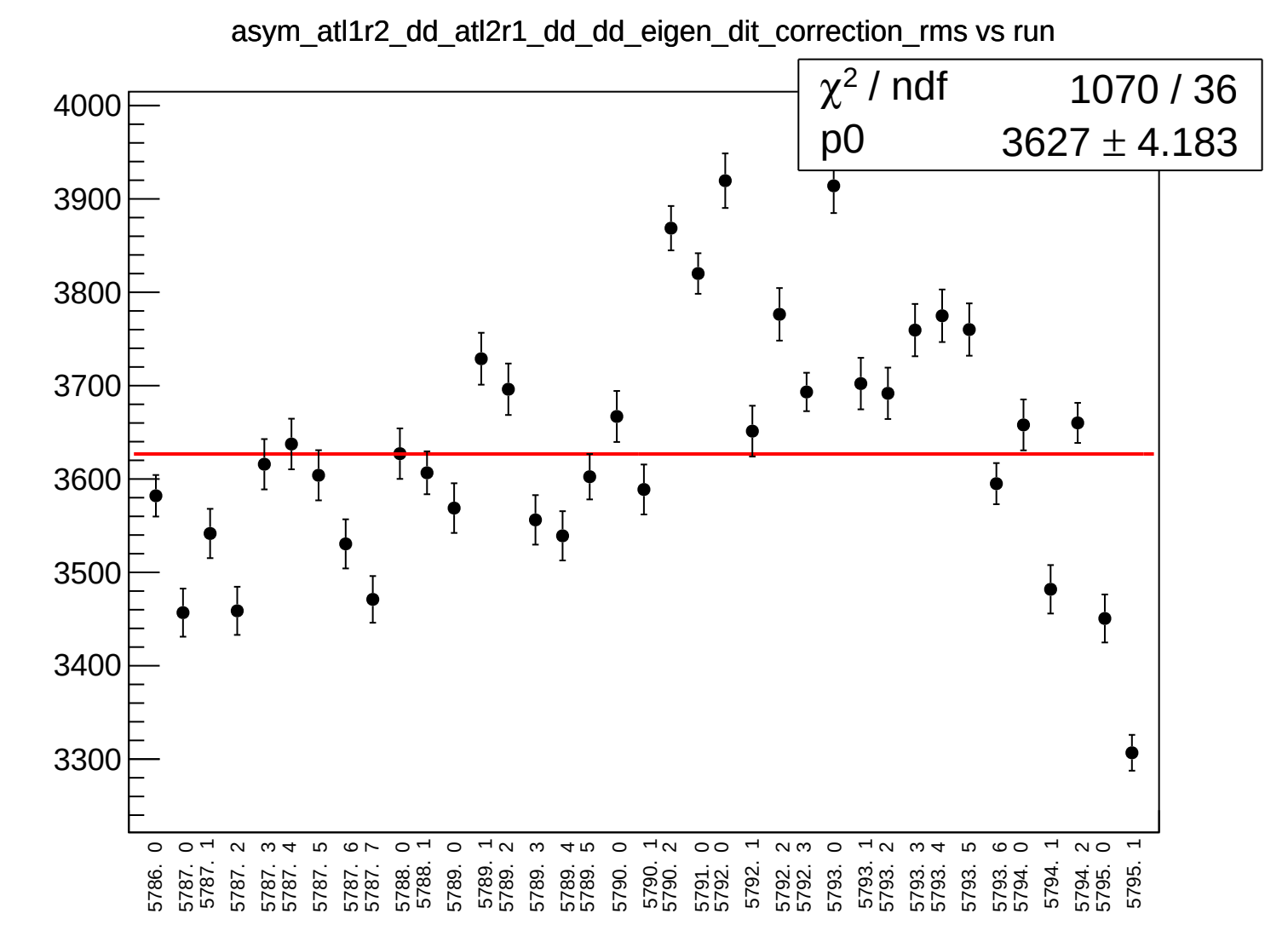

asym_atl1r2_dd_atl2r1_dd_dd_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

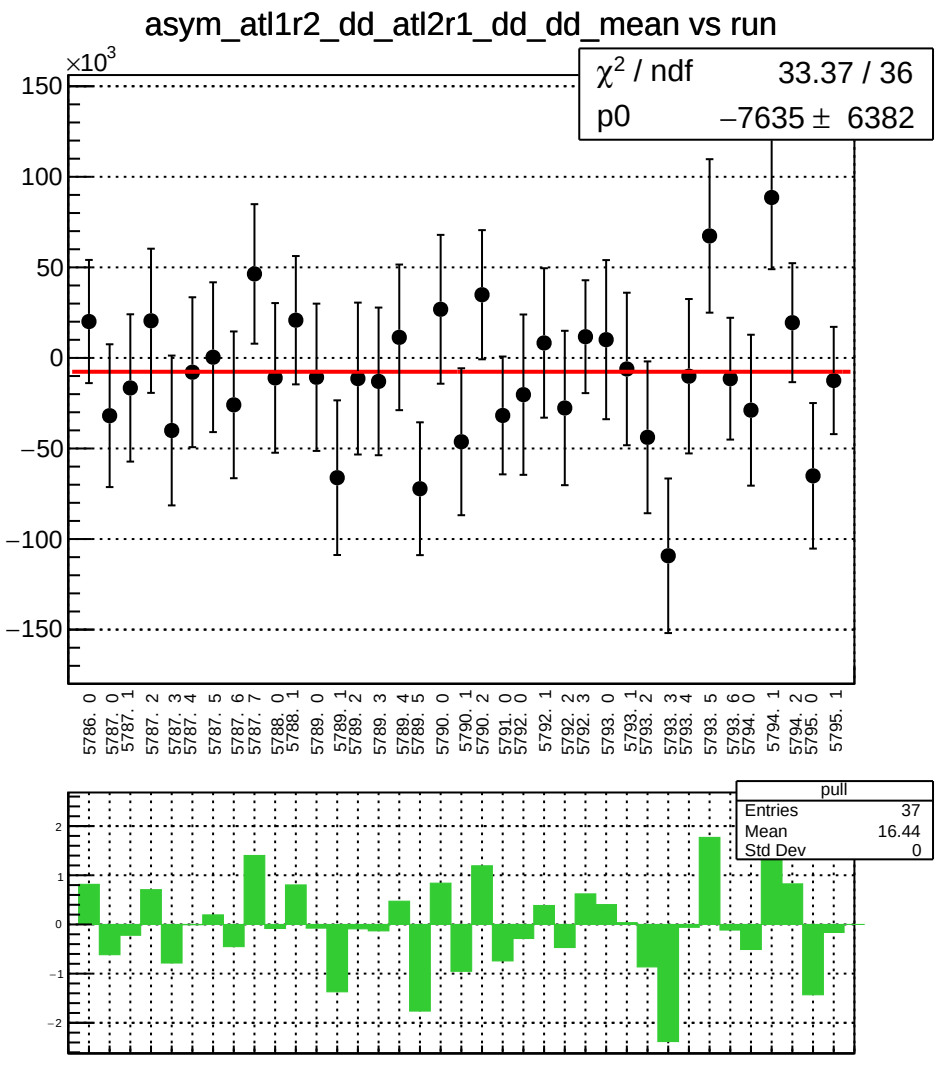

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
χ² / ndf 23.53 / 36
p0 1487 ± 2243
pull
Entries 37
Mean −163.5
Std Dev 0

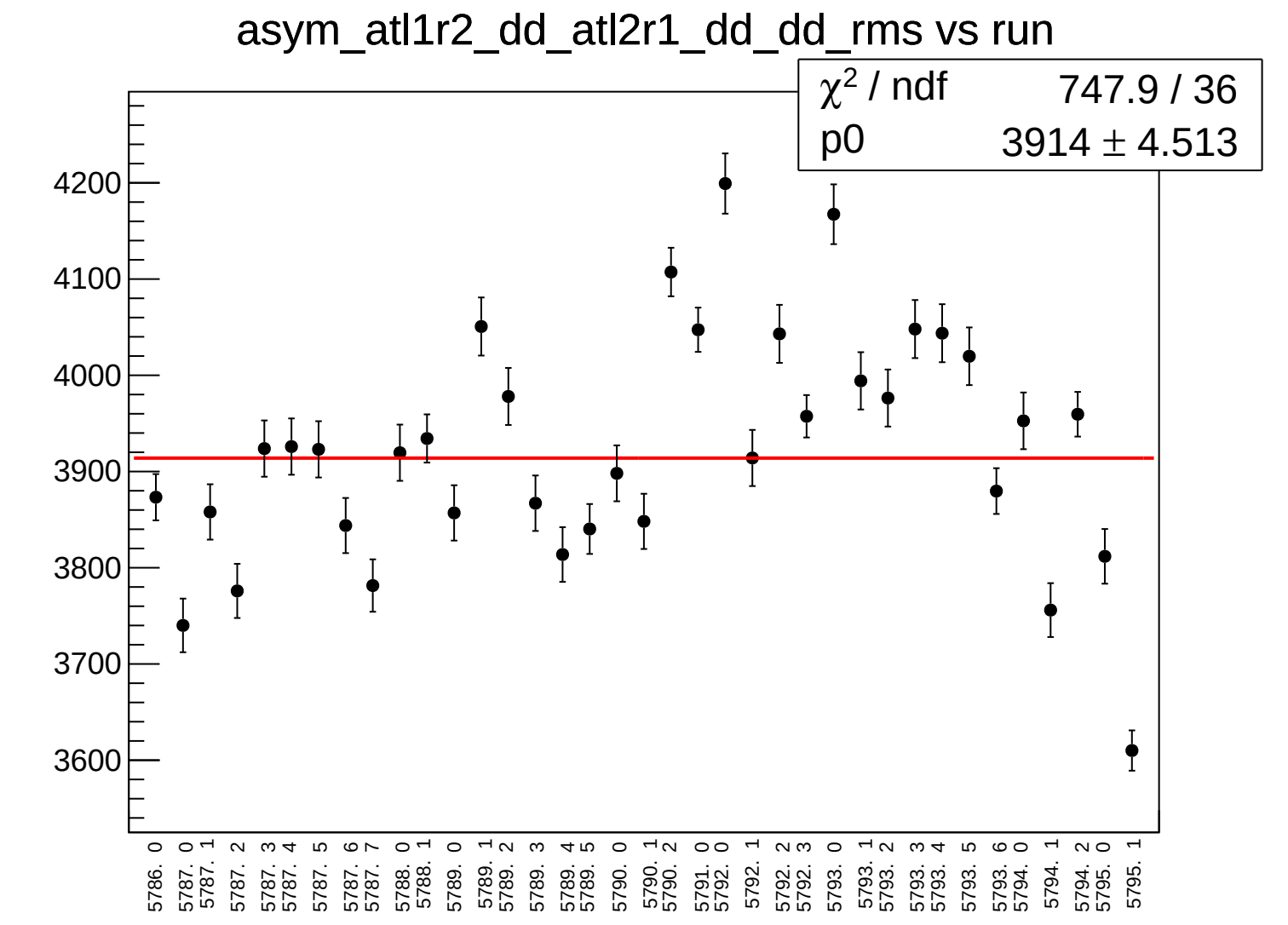

pull1D
Entries 37
Mean −0.005088
Std Dev 0.7974

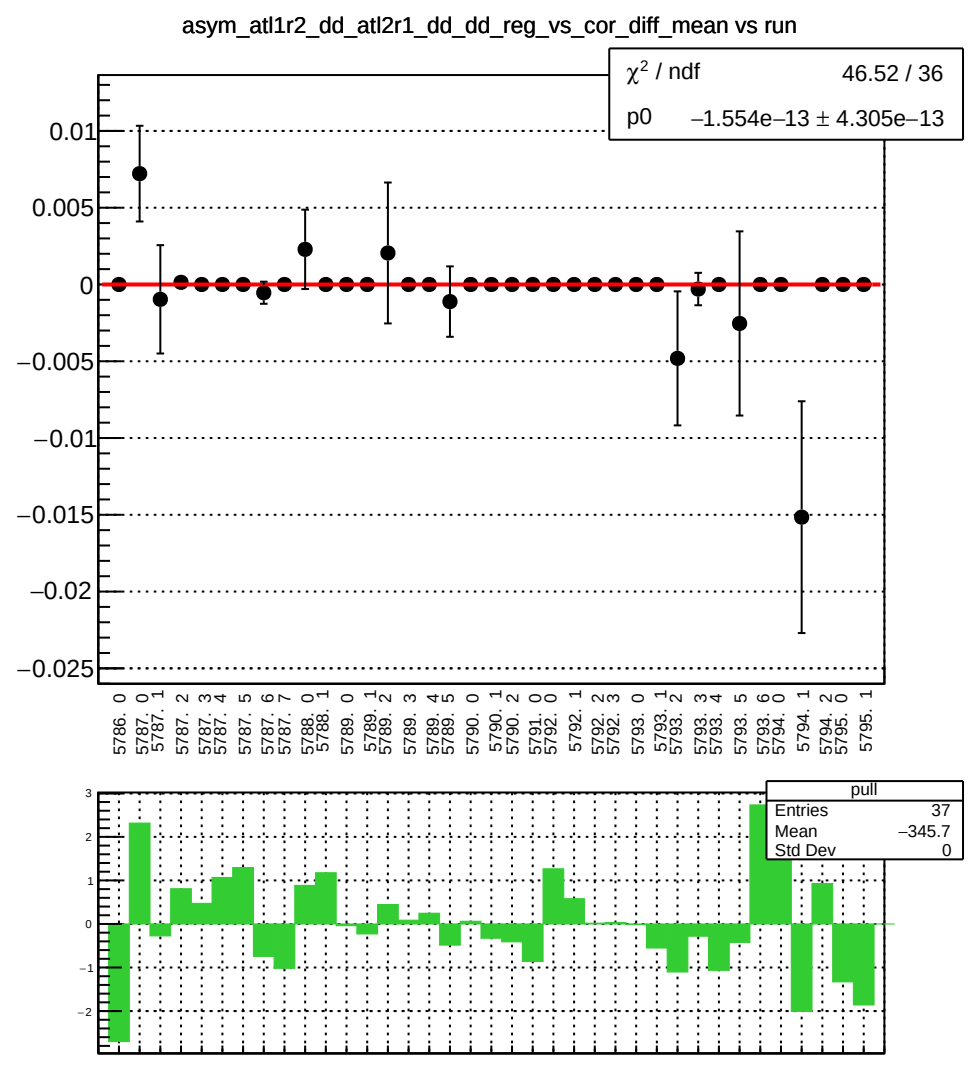

eigen_dit_asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 102.6 / 36
p0 1376 ± 1.586
1440
1420
1400
1380
1360
1340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

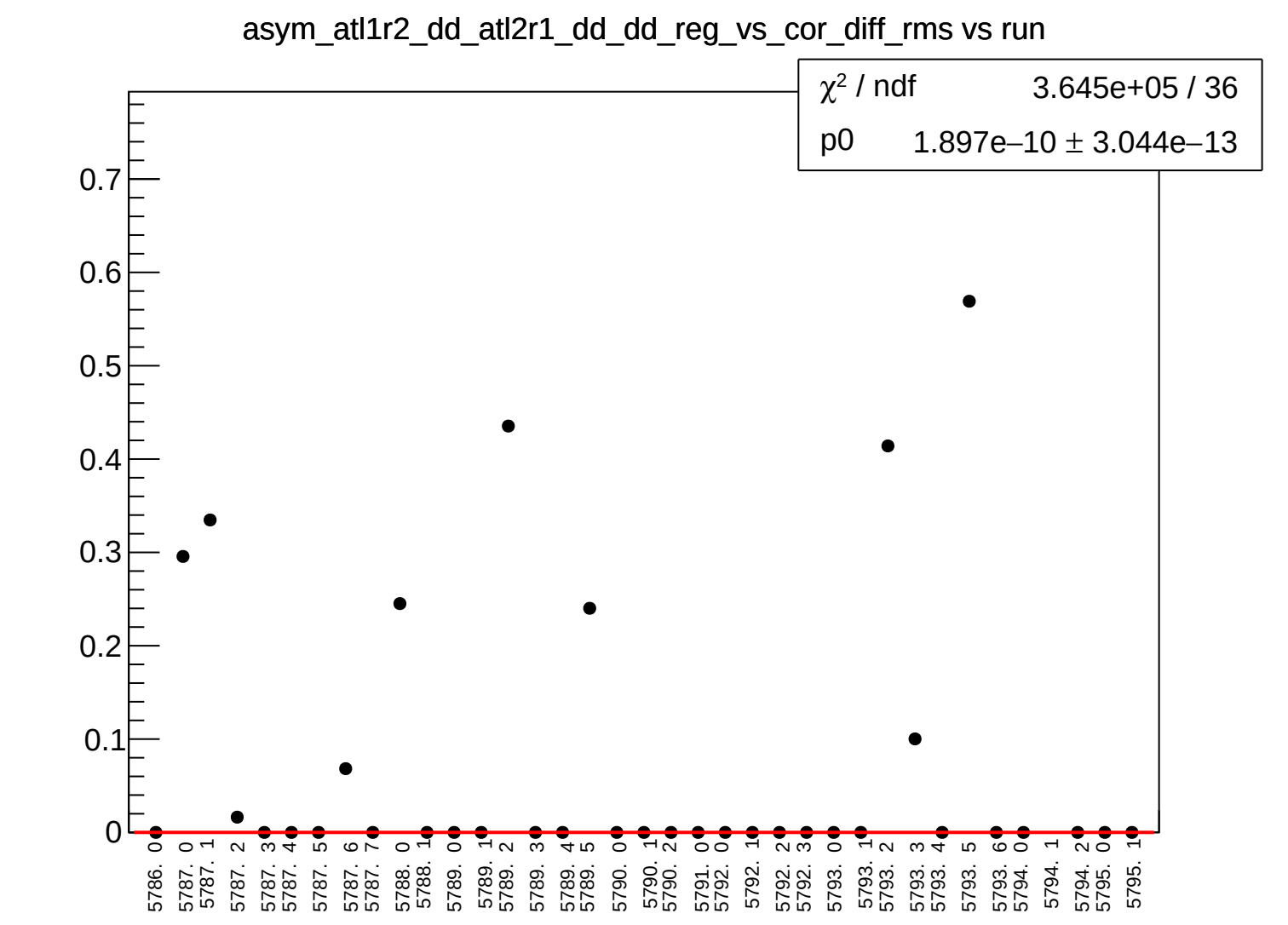

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.34 / 36
p0 9232 ± 5915
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01526
Std Dev 0.9773
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

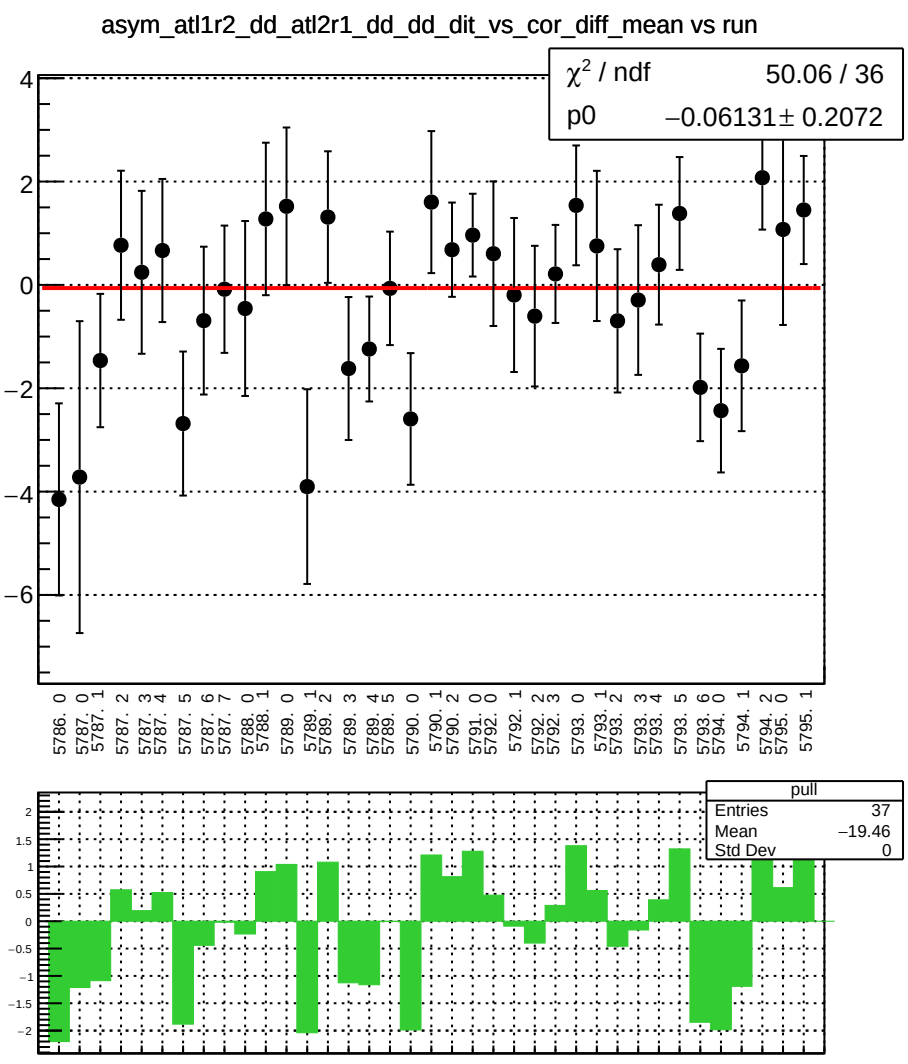

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1070 / 36
p0 3627 ± 4.183
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

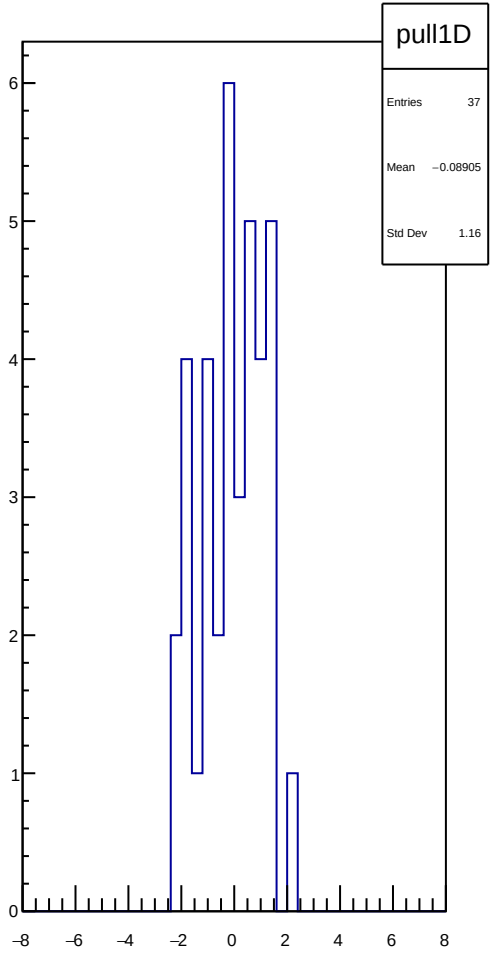

asym_atl1r2_dd_atl2r1_dd_dd_mean vs run
×10^3
χ² / ndf 33.37 / 36
p0 −7635 ± 6382
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01768
Std Dev 0.9495
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

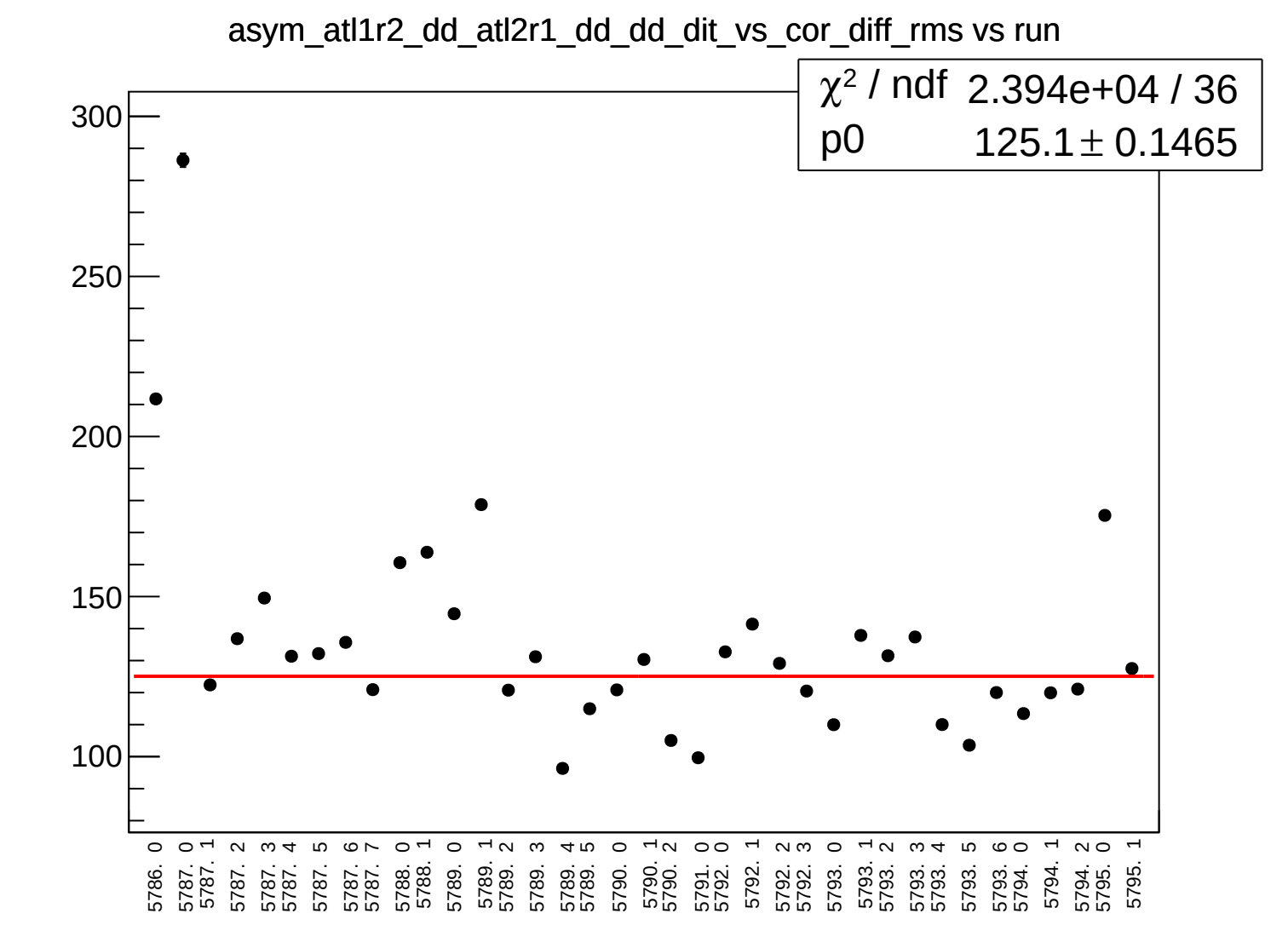

asym_atl1r2_dd_atl2r1_dd_dd_rms vs run
χ² / ndf 747.9 / 36
p0 3914 ± 4.513
4200
4100
4000
3900
3800
3700
3600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

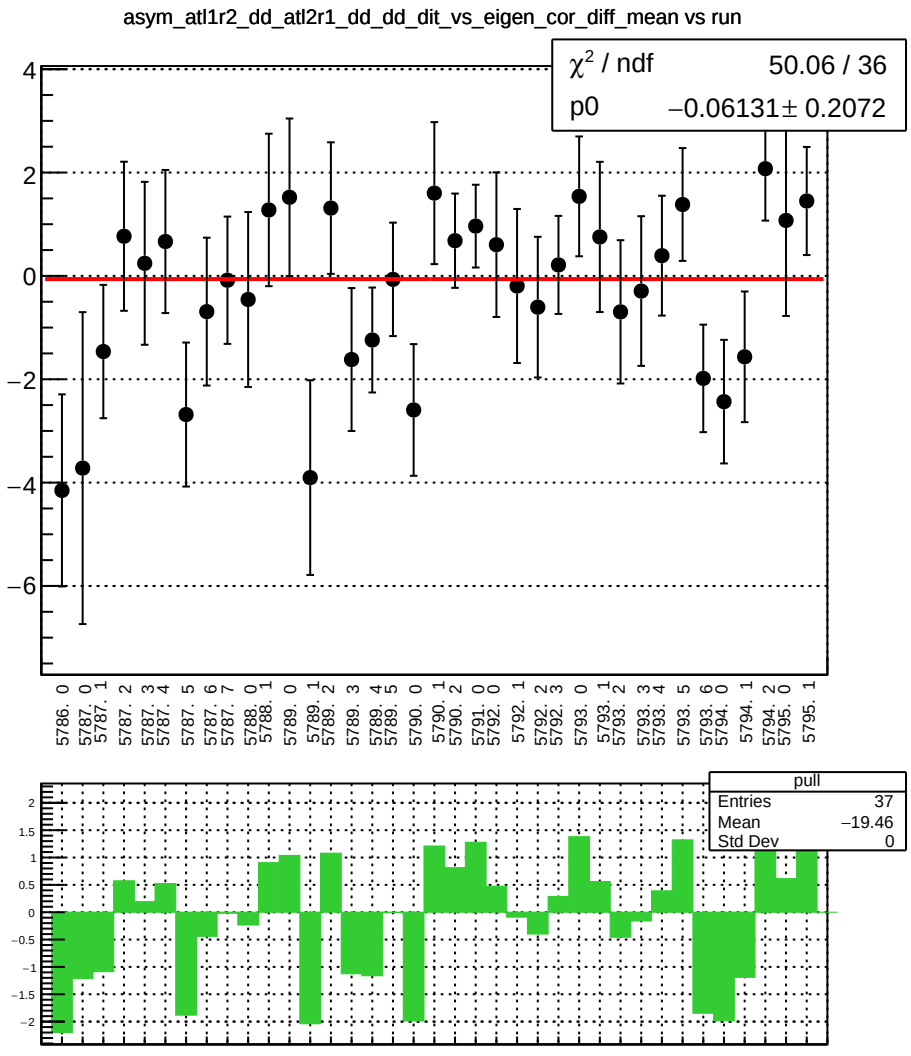

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.52 / 36
p0 −1.554e−13 ± 4.305e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −345.7
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.005838
Std Dev 1.121
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

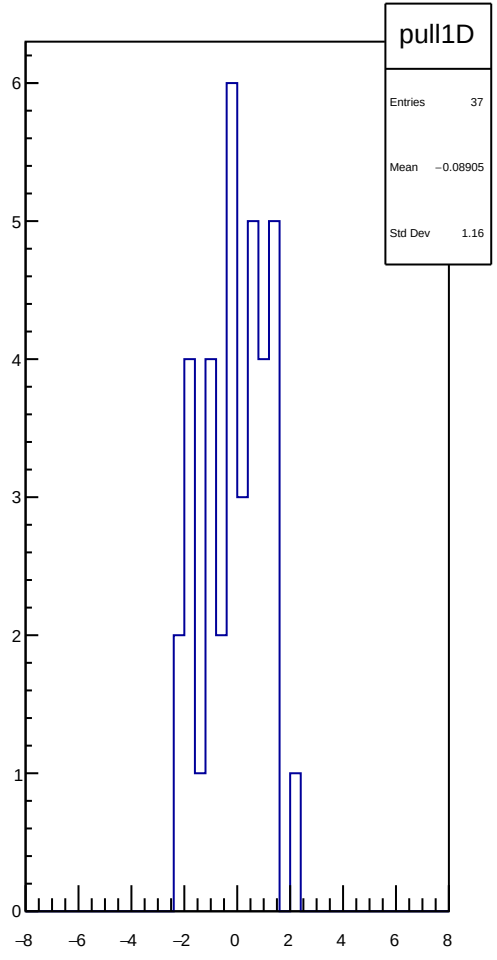

asym_atl1r2_dd_atl2r1_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.645e+05 / 36
p0 1.897e−10 ± 3.044e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

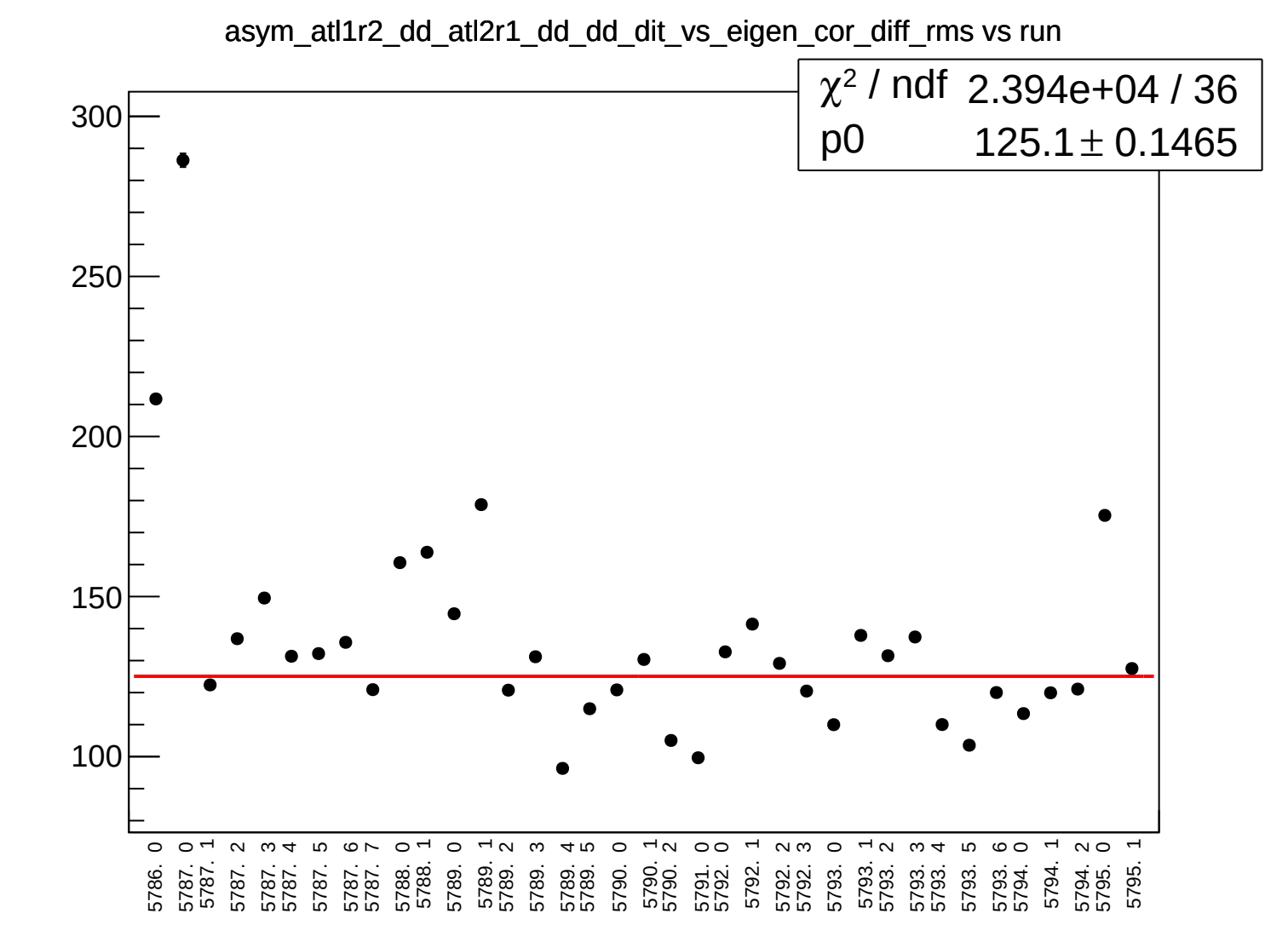

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131 ± 0.2072
pull
Entries 37
Mean −19.46
Std Dev 0

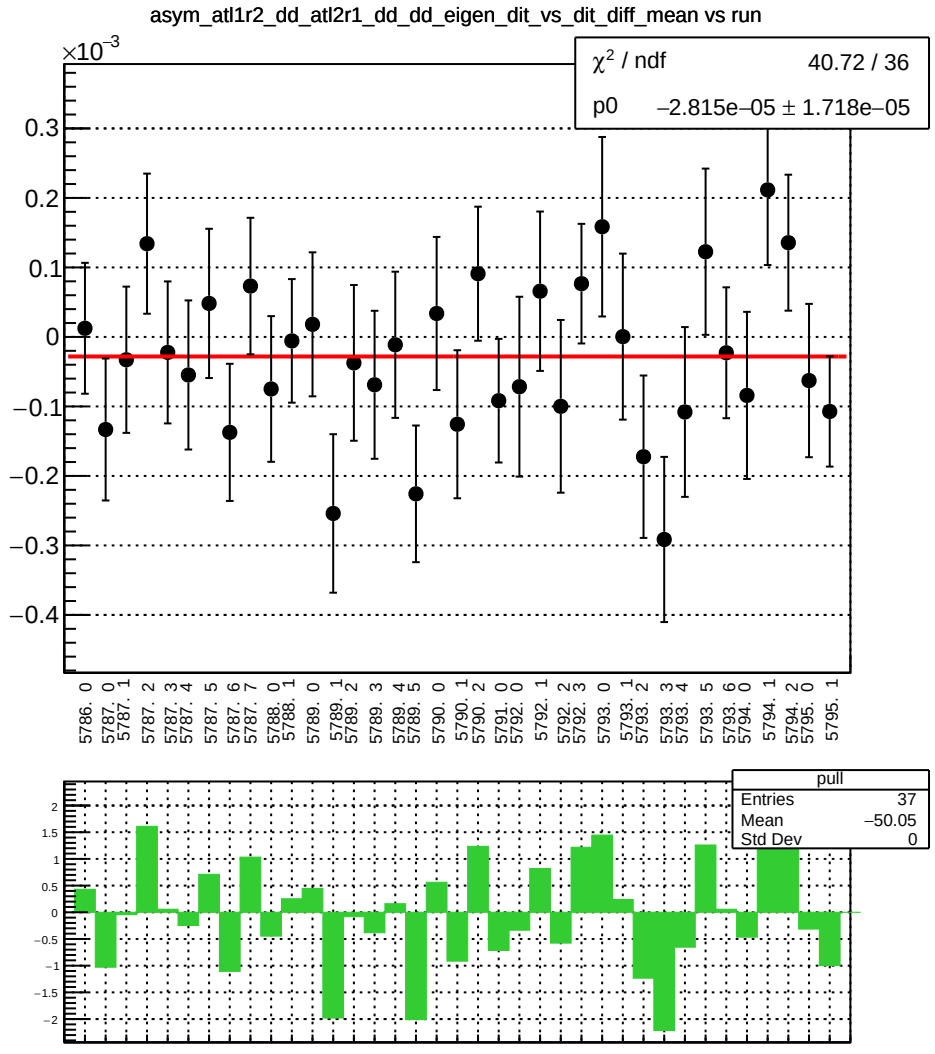

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

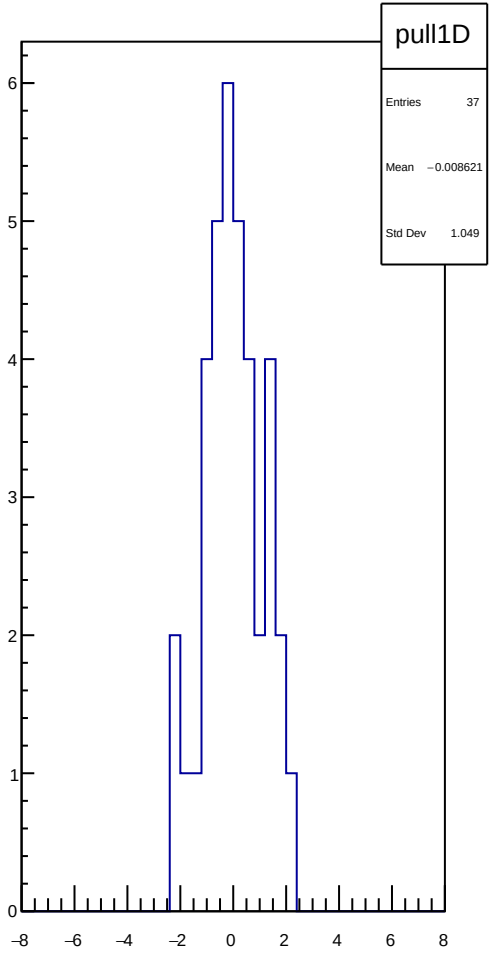

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

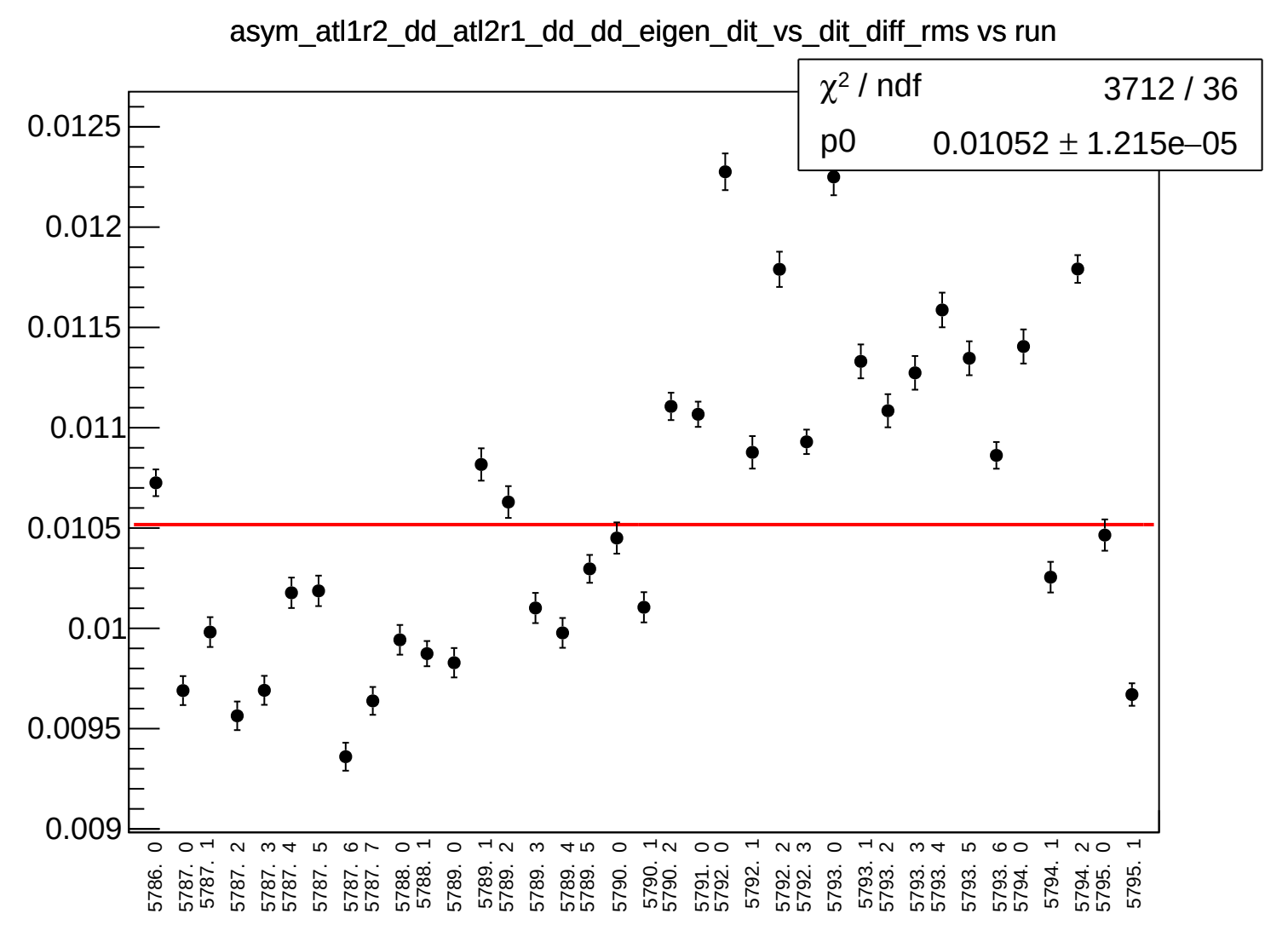

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06131 ± 0.2072
pull
Entries 37
Mean −19.46
Std Dev 0

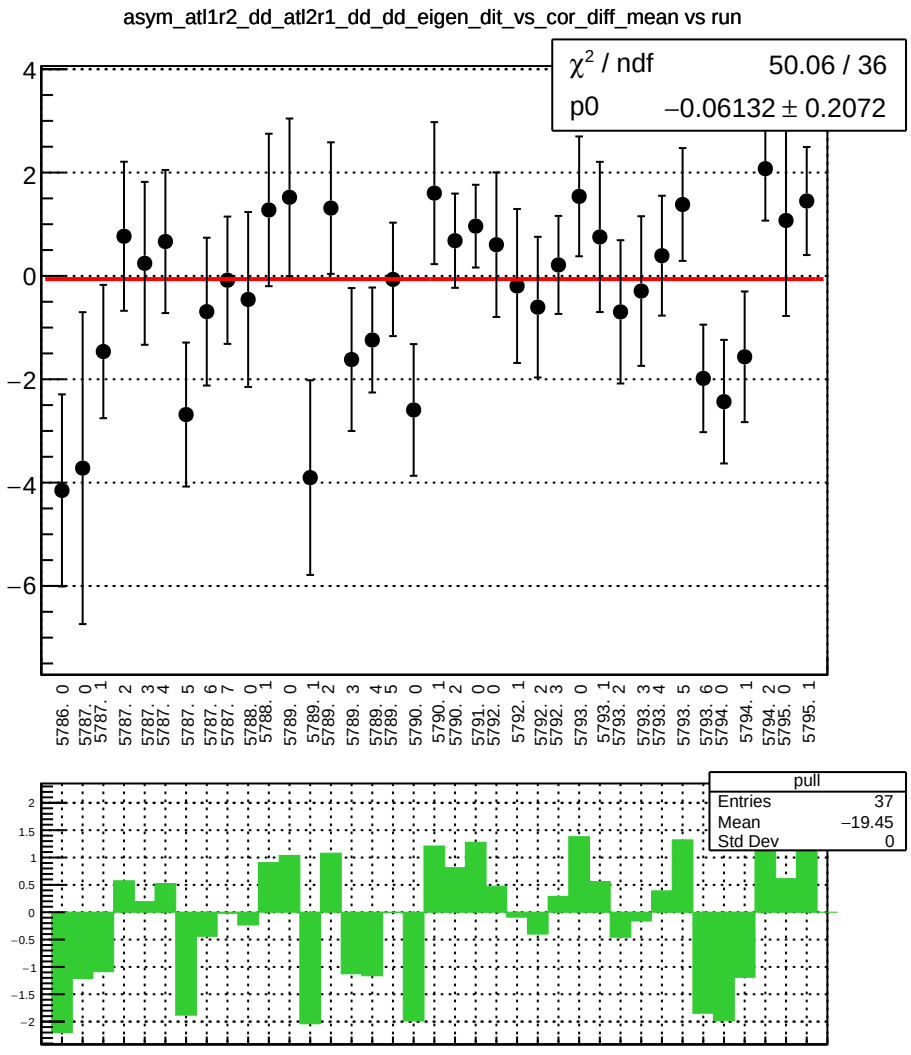

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

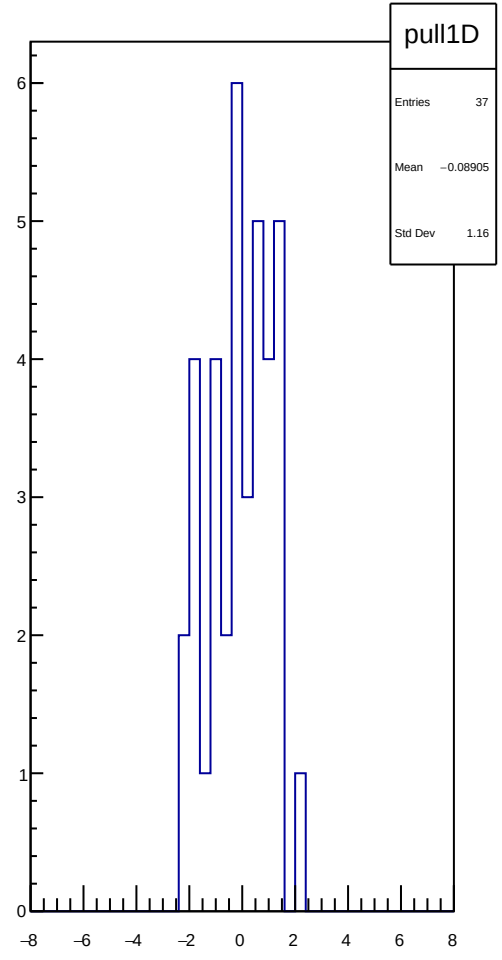

asym_atl1r2_dd_atl2r1_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

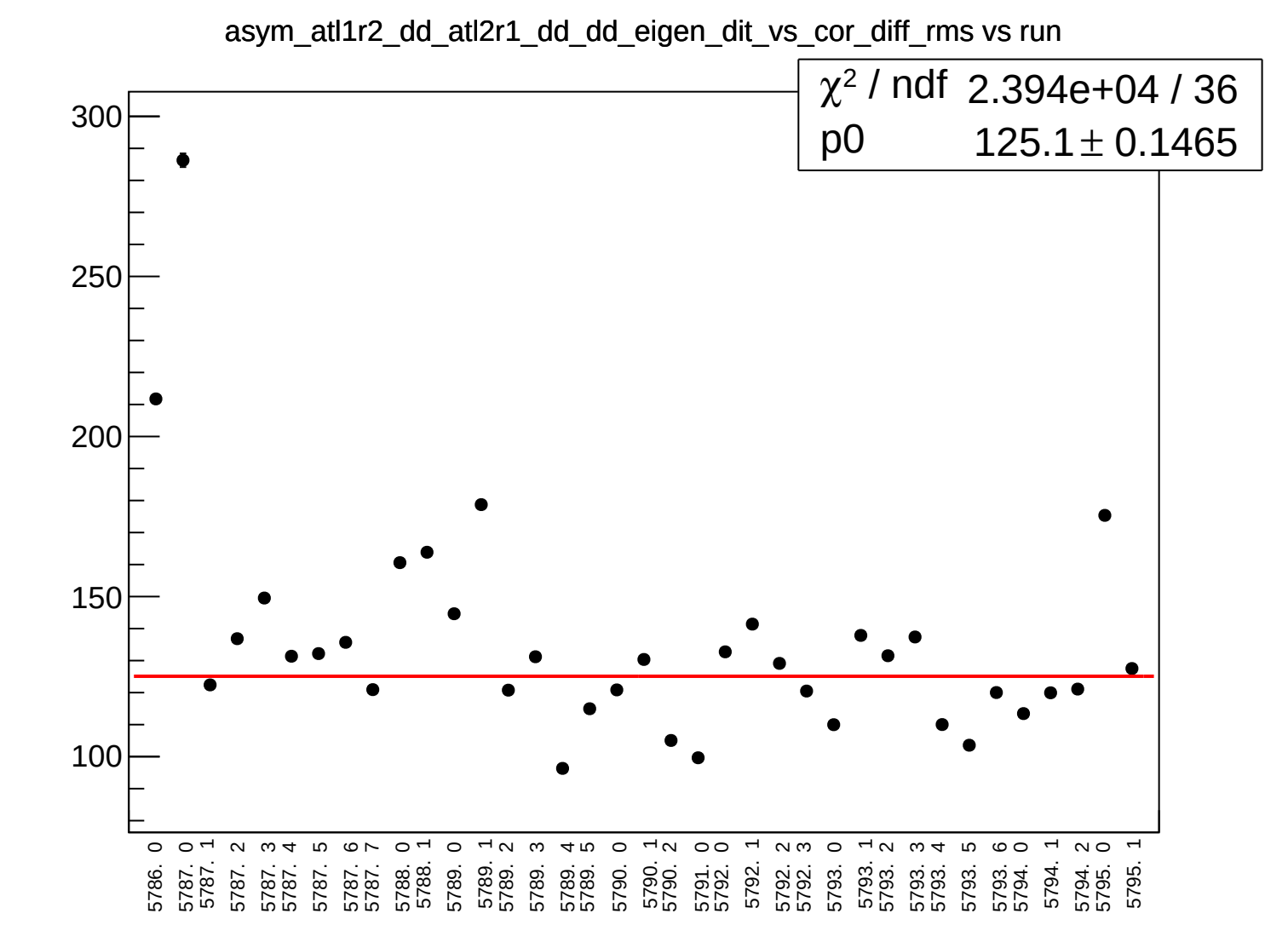

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.72 / 36
p0 −2.815e−05 ± 1.718e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

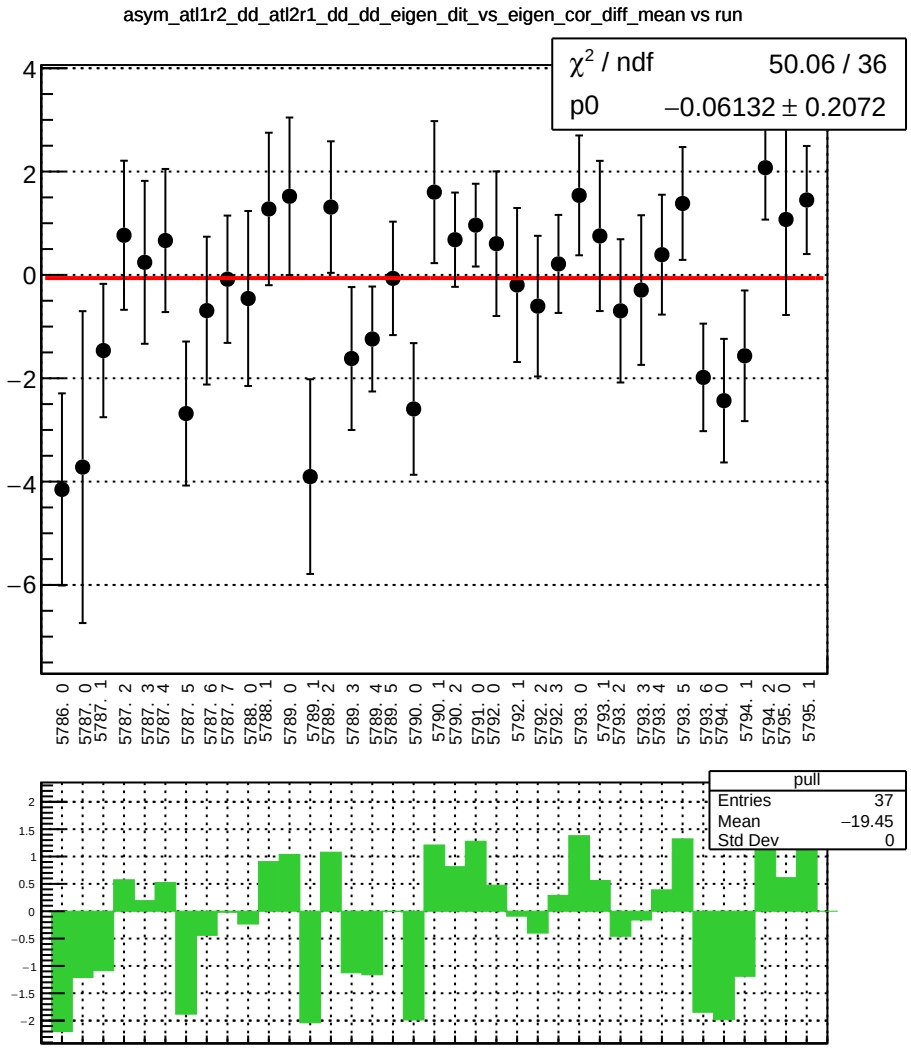

pull1D
Entries 37
Mean −0.008621
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

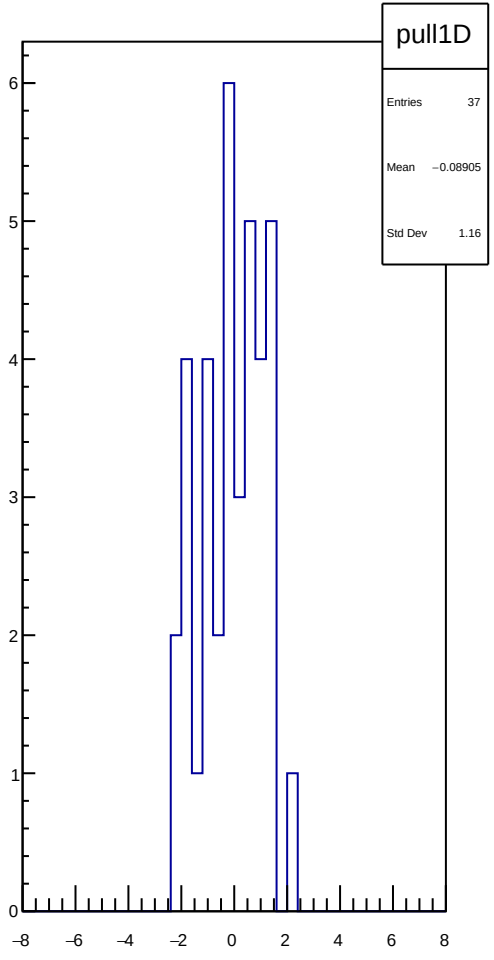

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3712 / 36
p0 0.01052 ± 1.215e−05
0.0125
0.012
0.0115
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

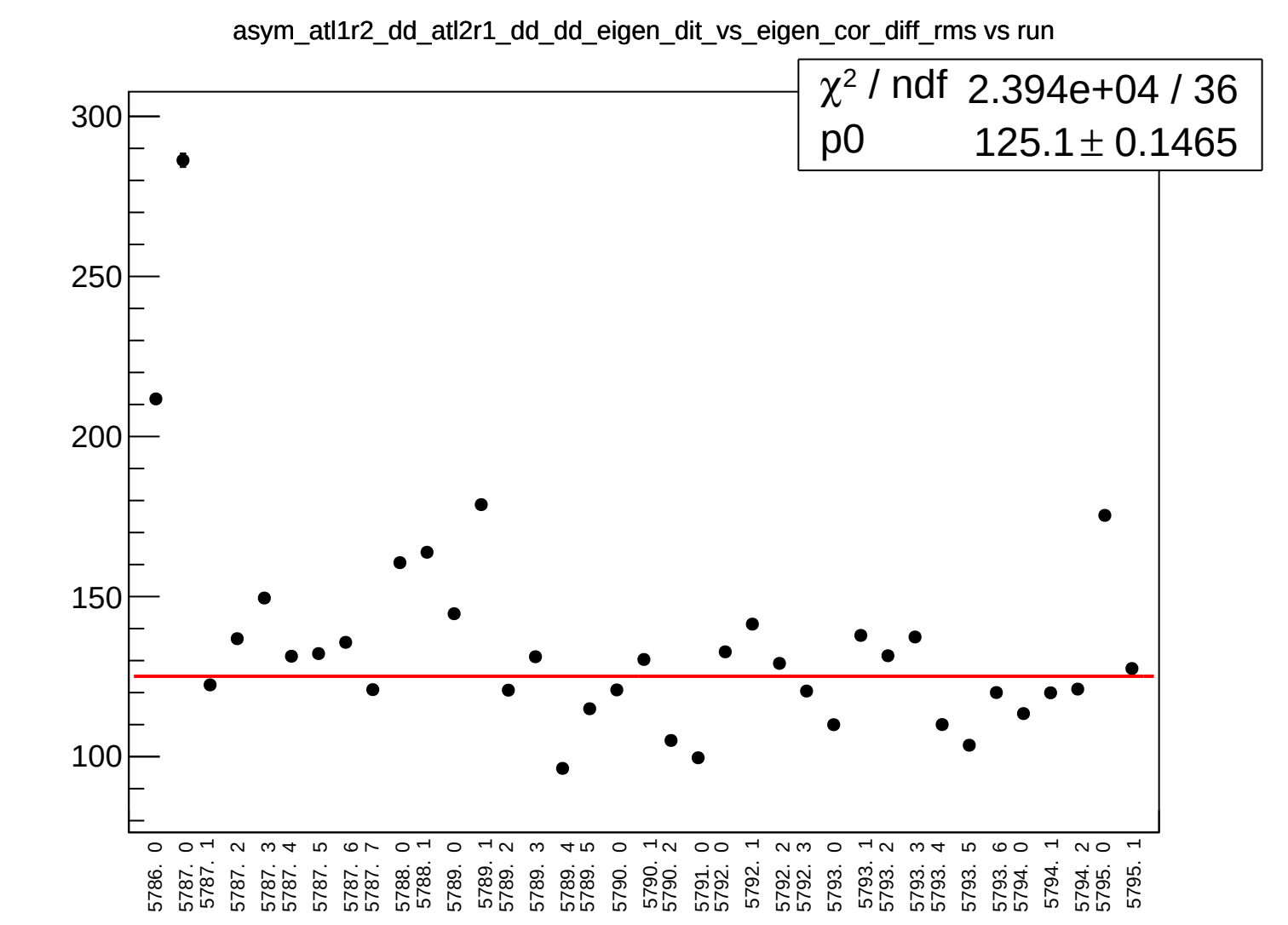

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
pull
Entries 37
Mean −19.45
Std Dev 0

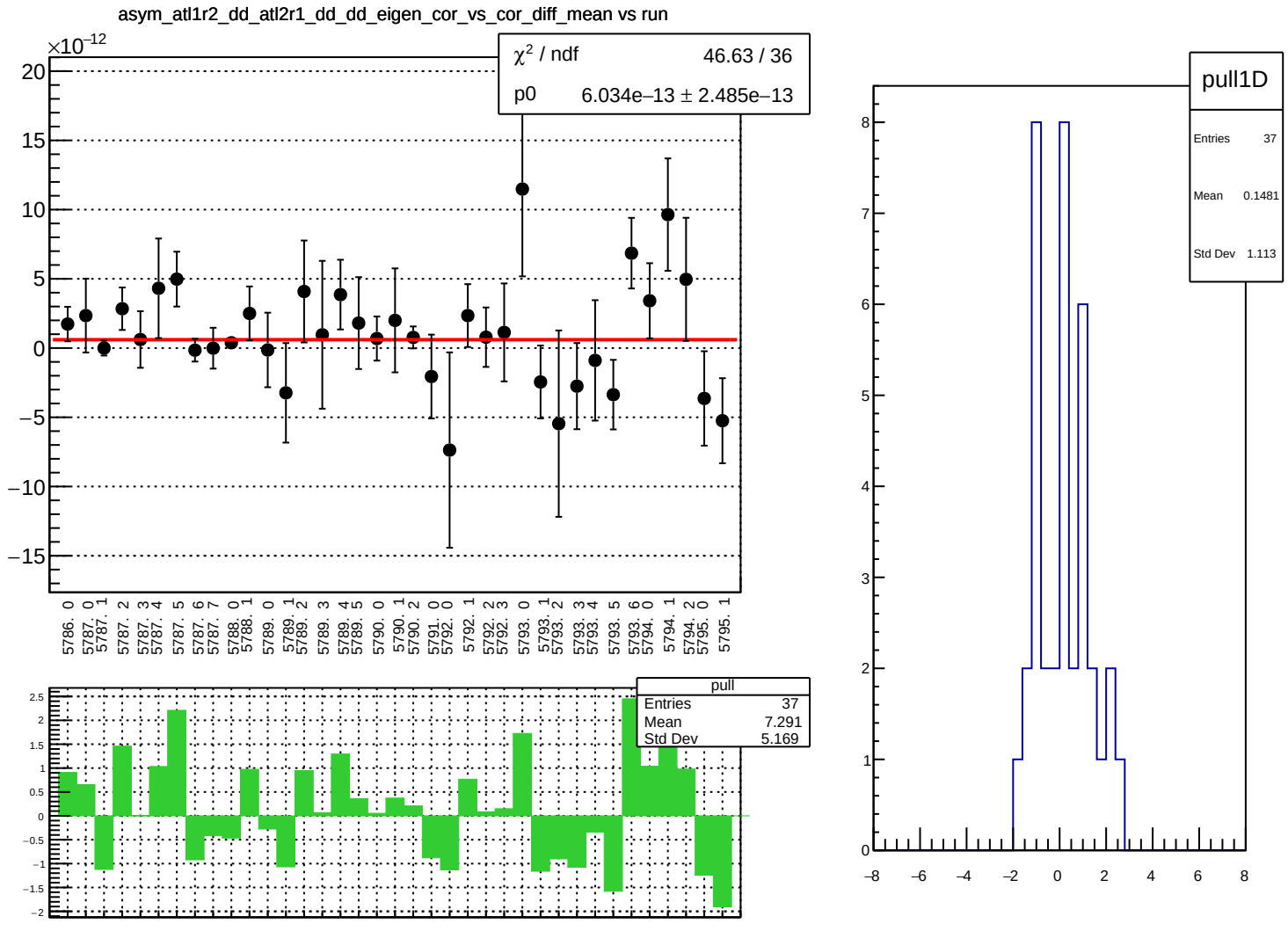

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

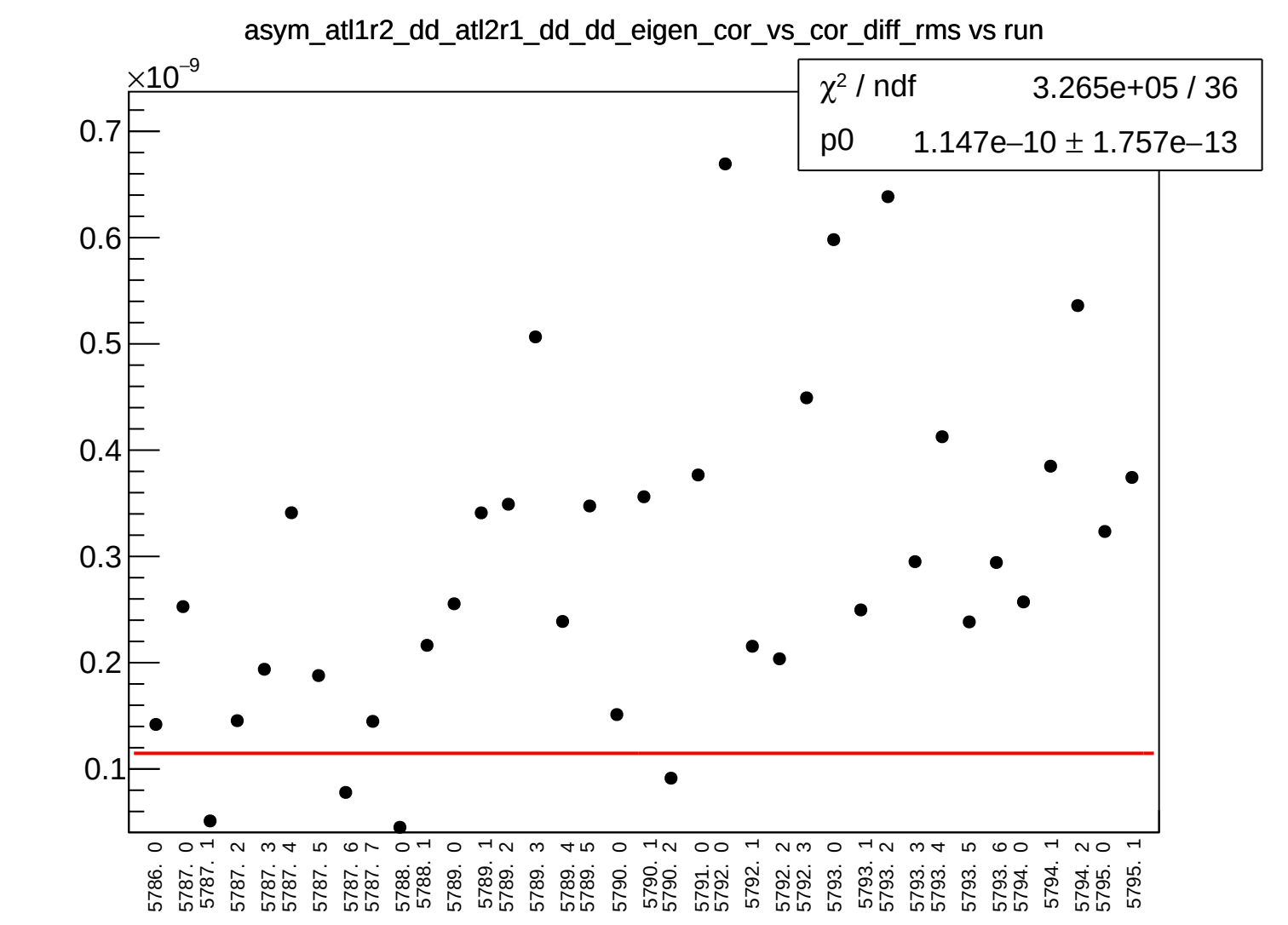

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

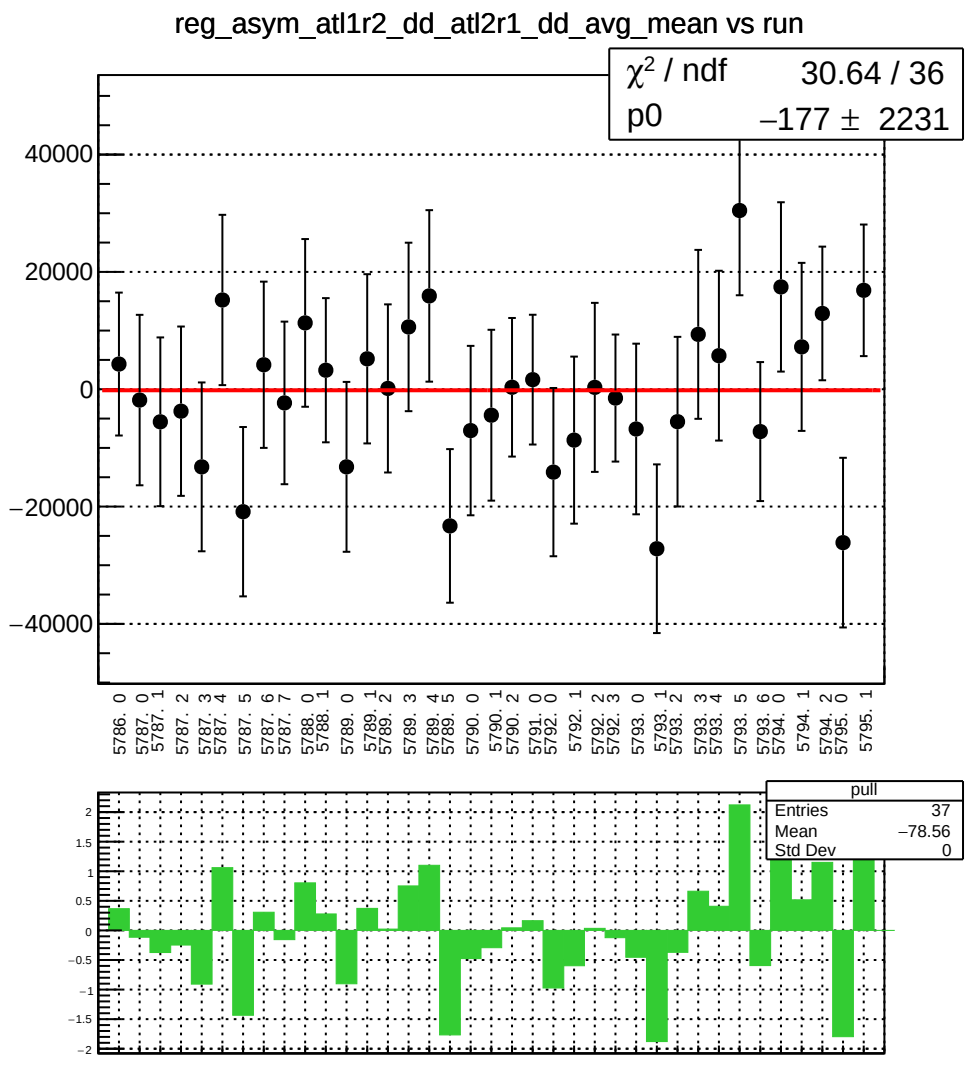

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.06 / 36
p0 −0.06132 ± 0.2072
pull
Entries 37
Mean −19.45
Std Dev 0

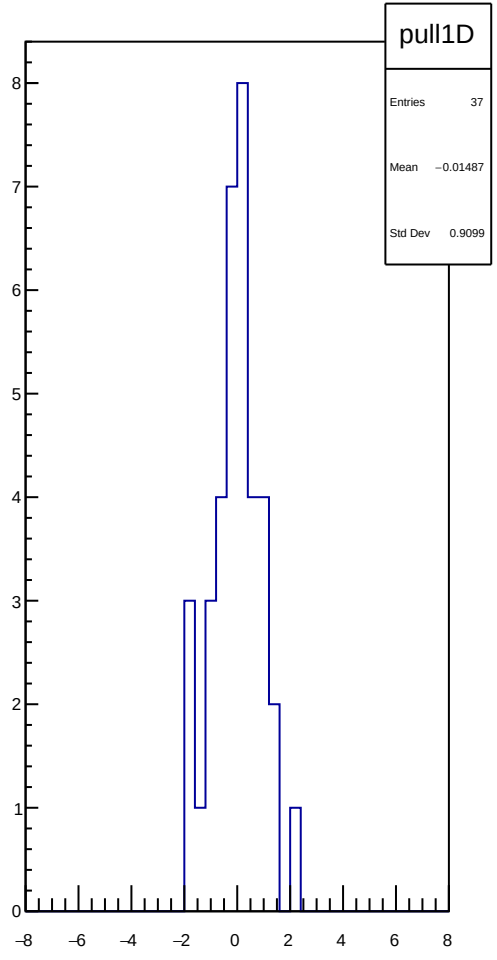

pull1D
Entries 37
Mean −0.08905
Std Dev 1.16

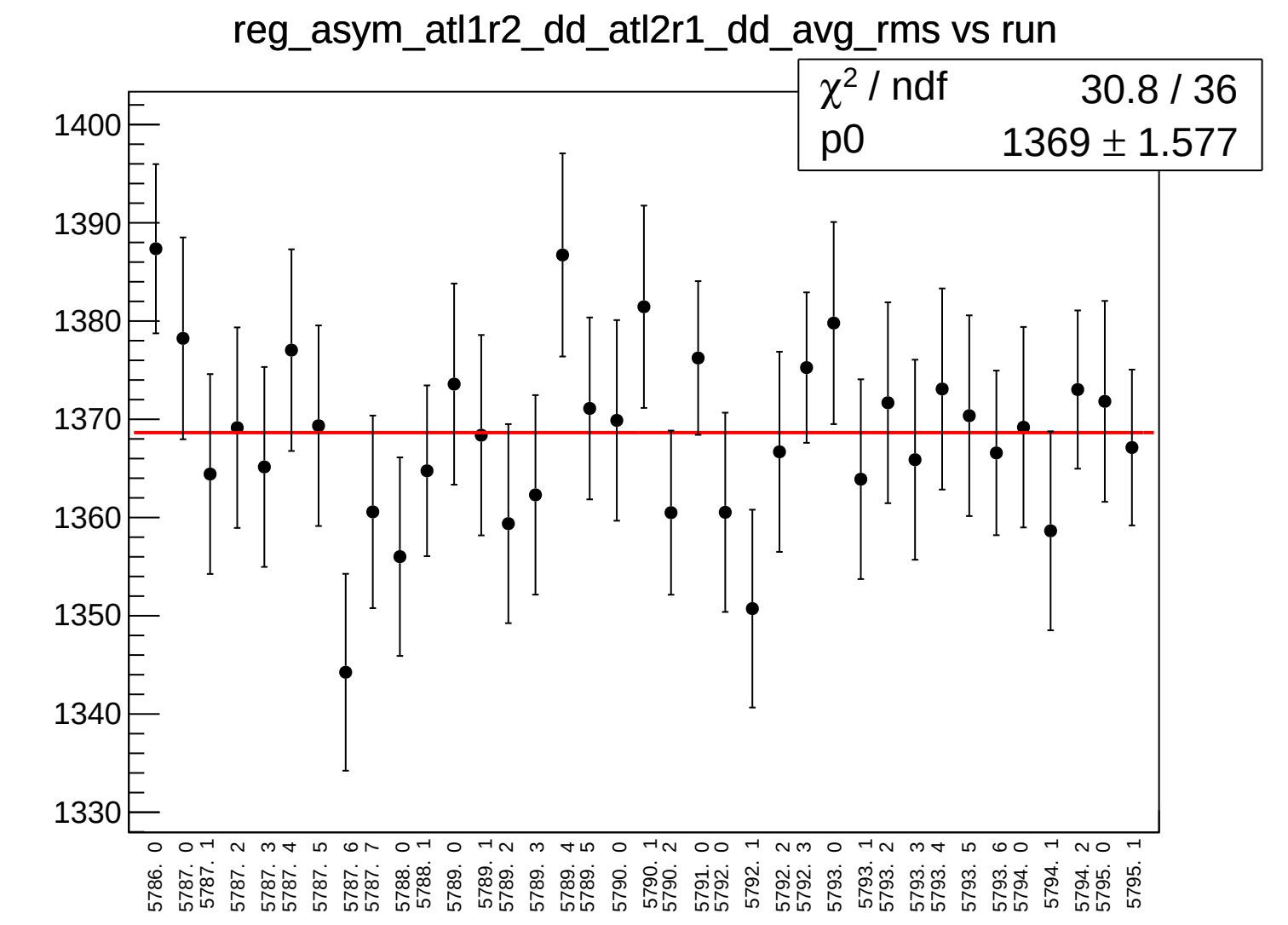

asym_atl1r2_dd_atl2r1_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.394e+04 / 36
p0 125.1 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

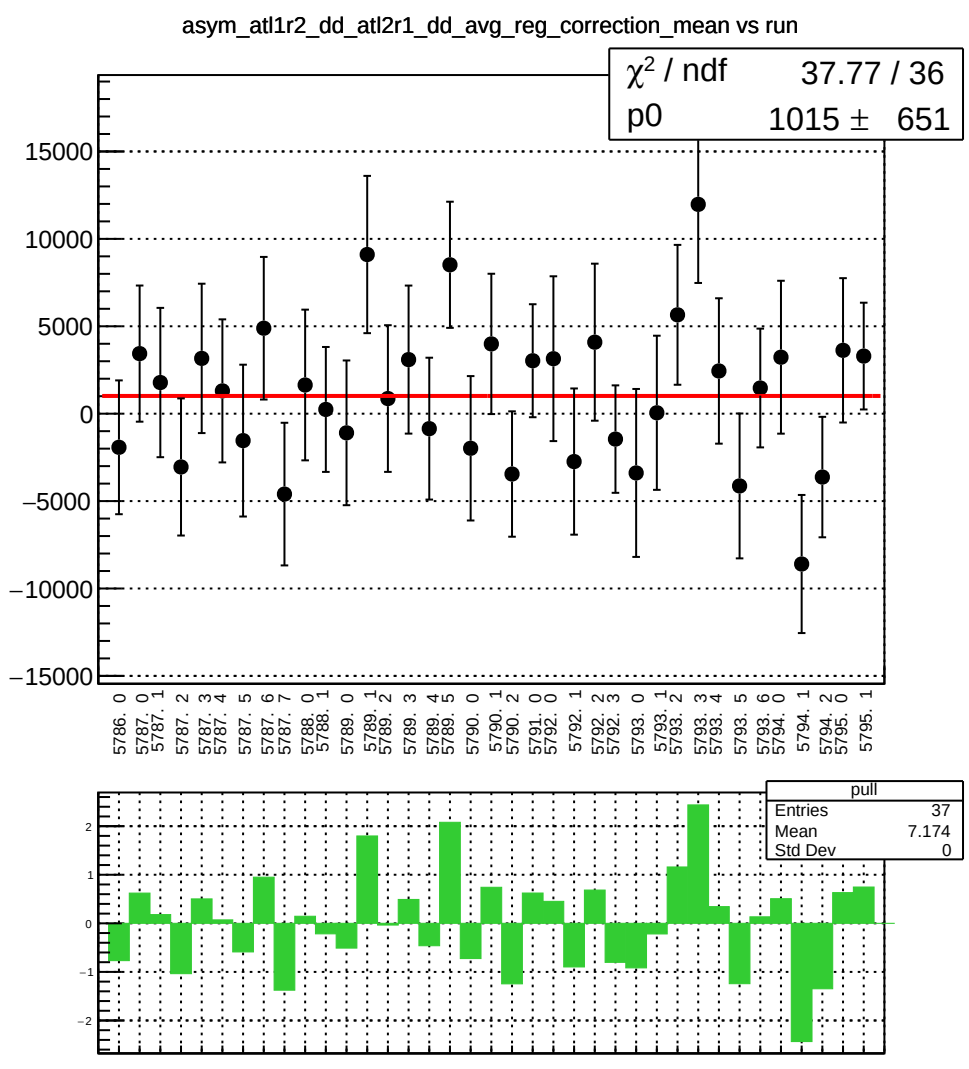

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.63 / 36
p0 6.034e−13 ± 2.485e−13
20
15
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.291
Std Dev 5.169
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1481
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

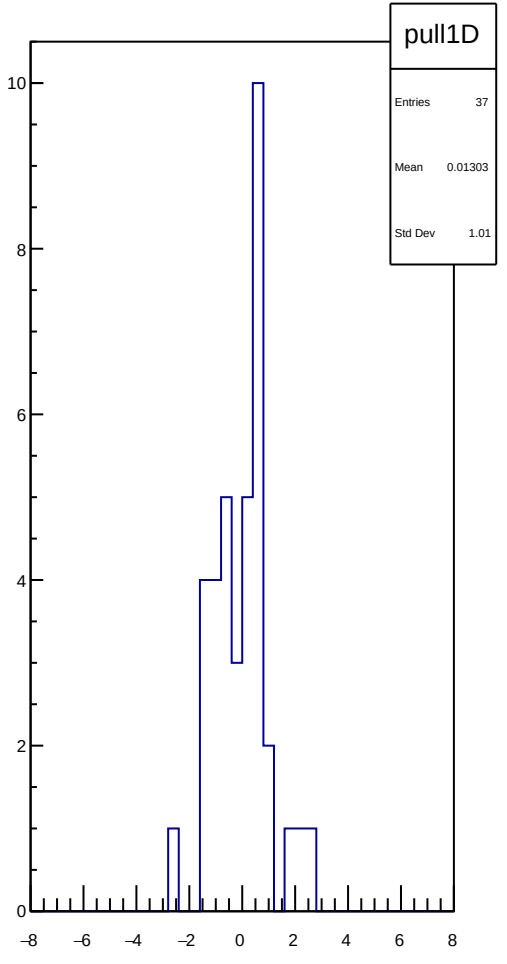

asym_atl1r2_dd_atl2r1_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.265e+05 / 36
p0 1.147e−10 ± 1.757e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

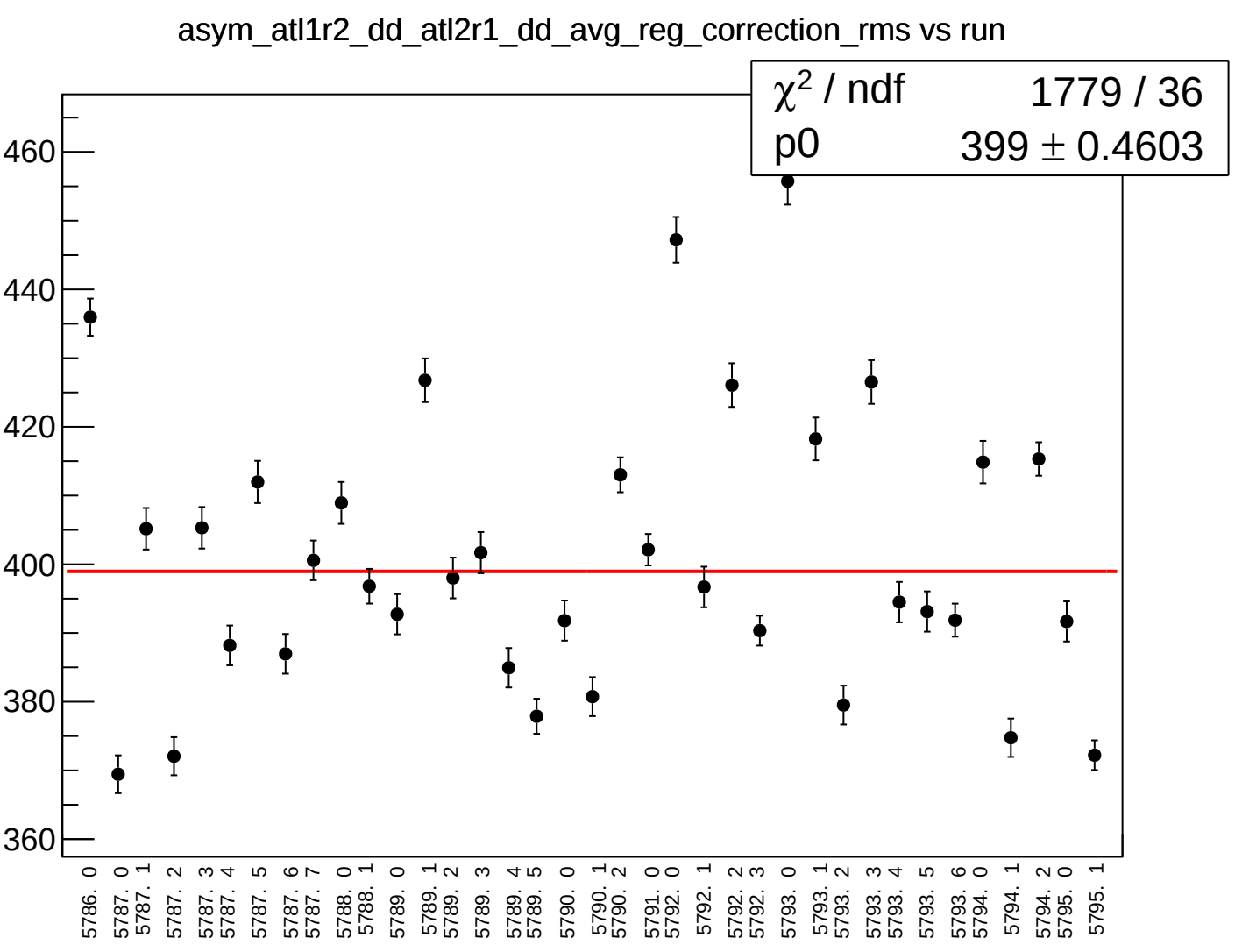

reg_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 30.64 / 36
p0 −177 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

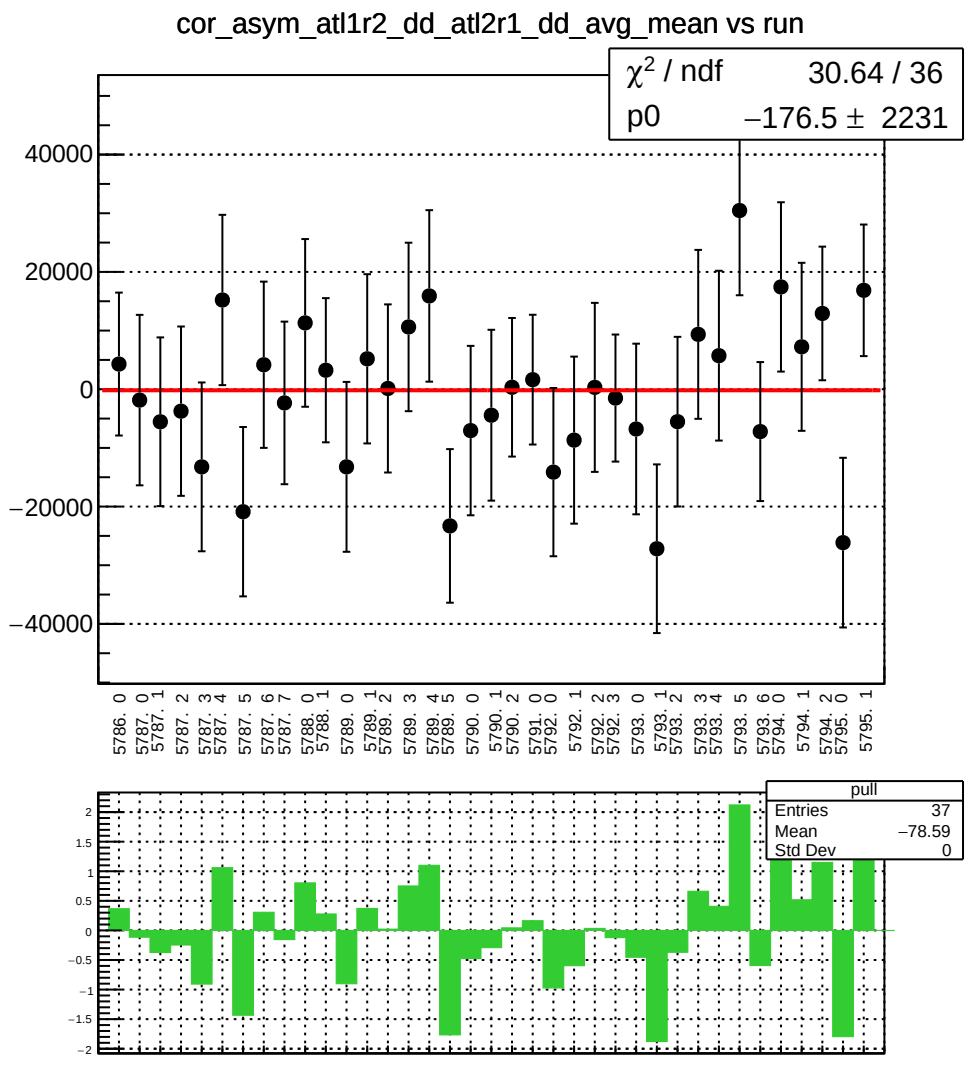

pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

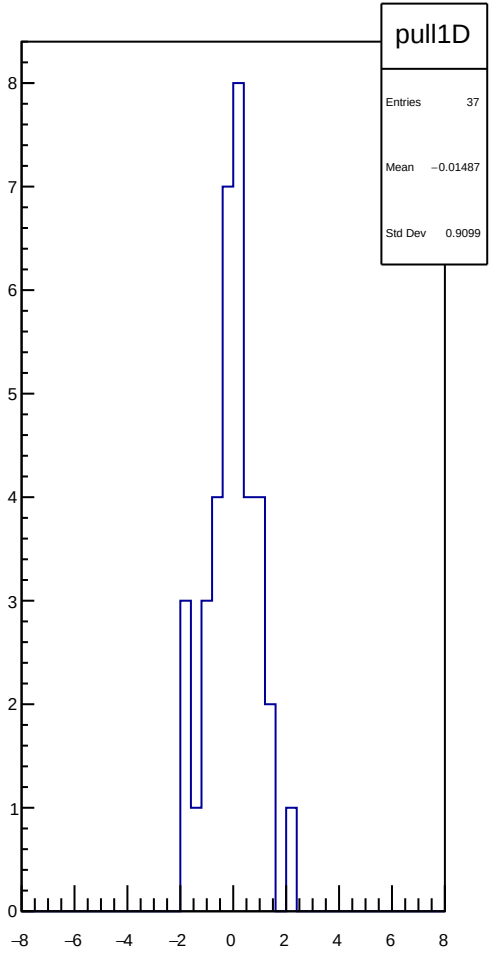

reg_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

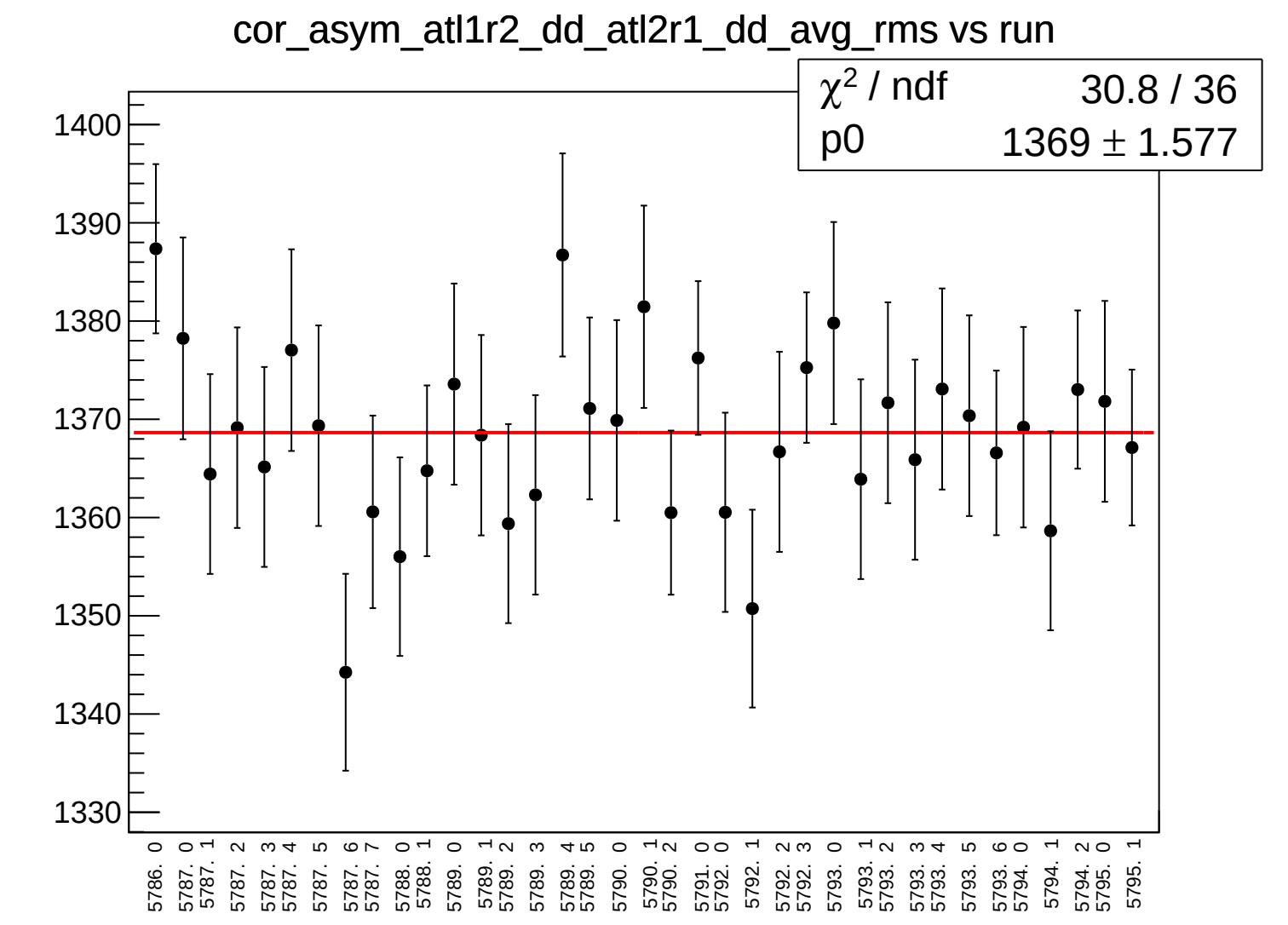

asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_mean vs run
χ² / ndf 37.77 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.174
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01303
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_reg_correction_rms vs run
χ² / ndf 1779 / 36
p0 399 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 30.64 / 36
p0 −176.5 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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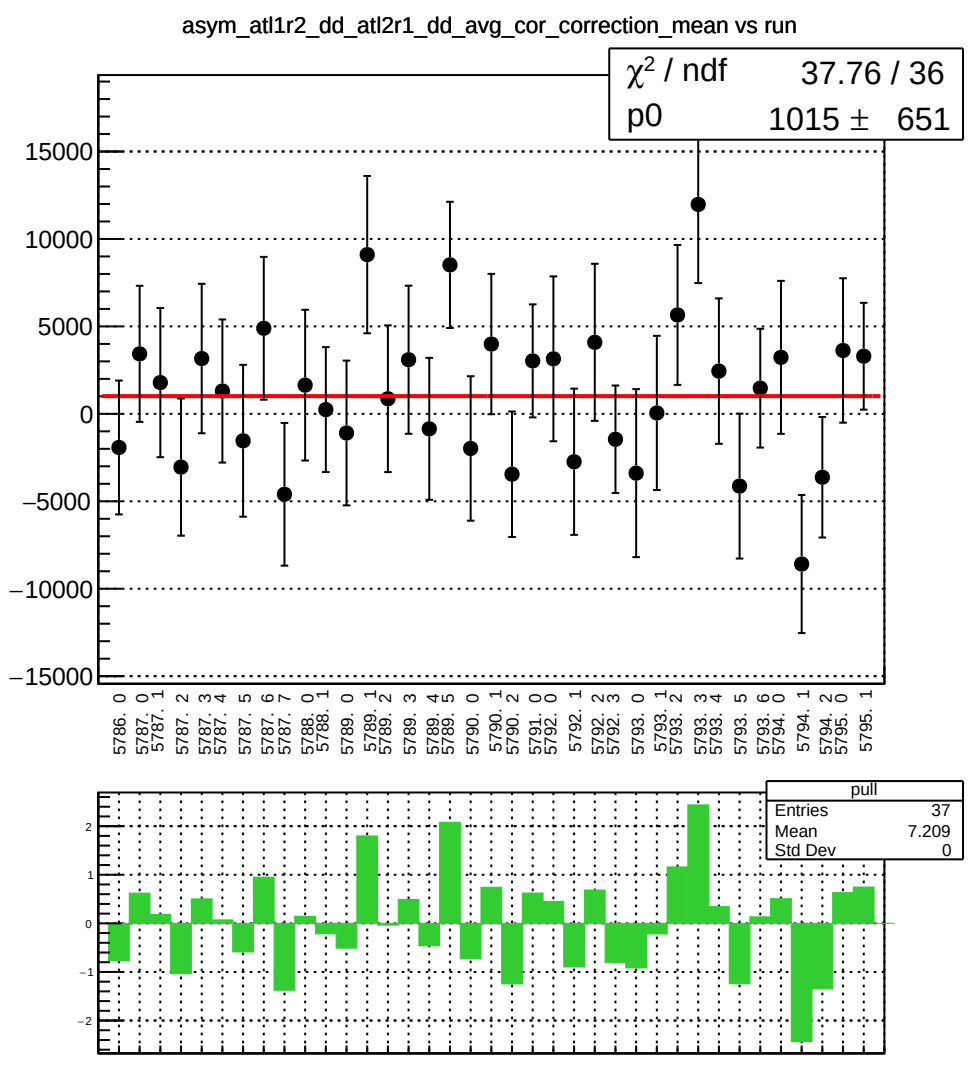
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_mean vs run
χ² / ndf 37.76 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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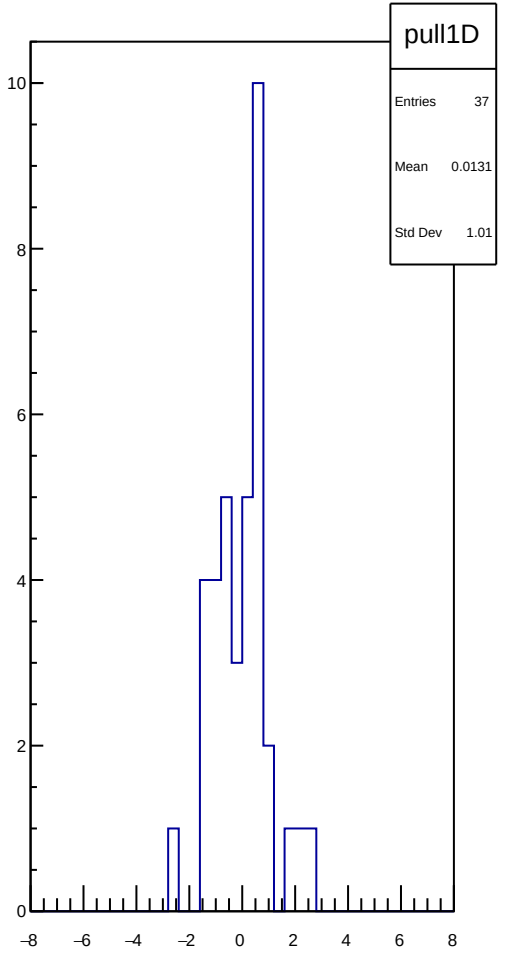
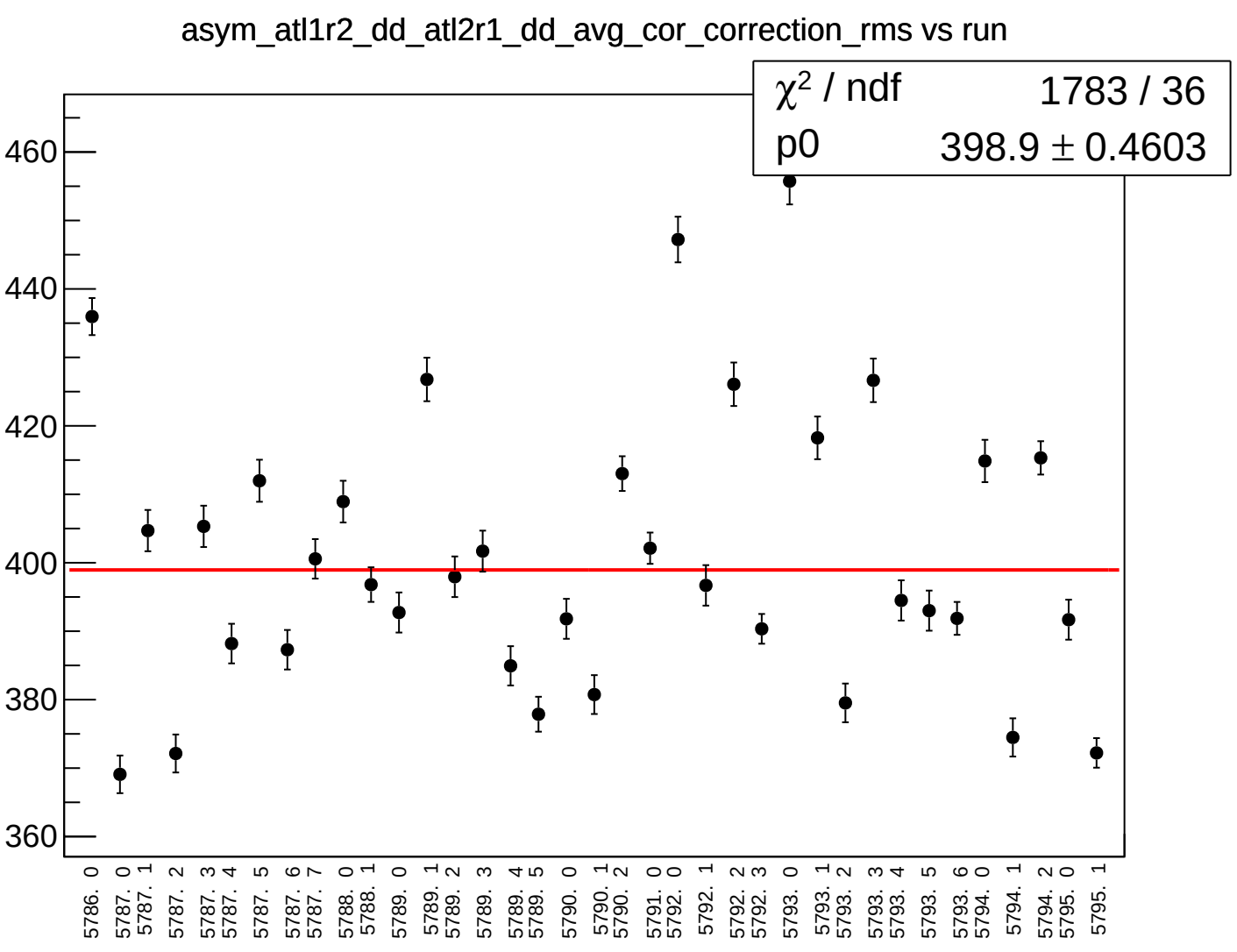
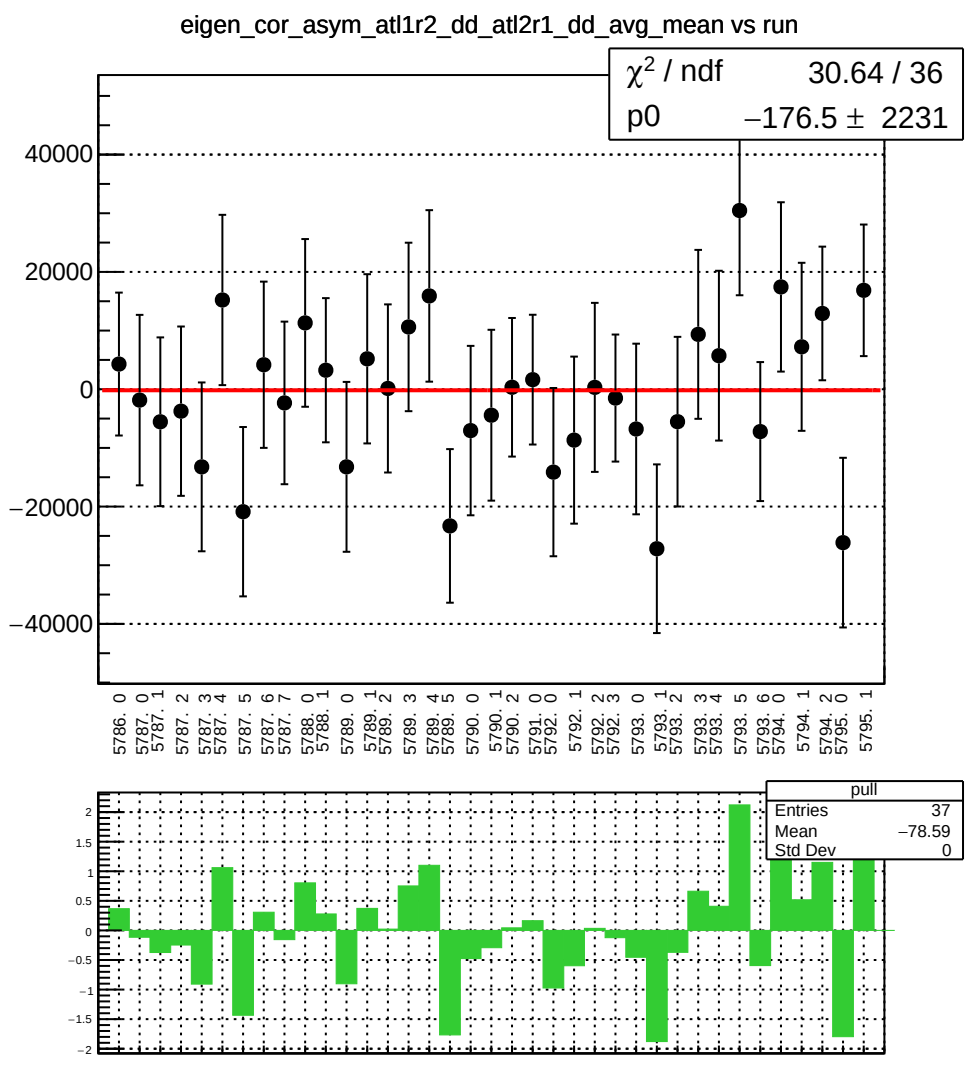
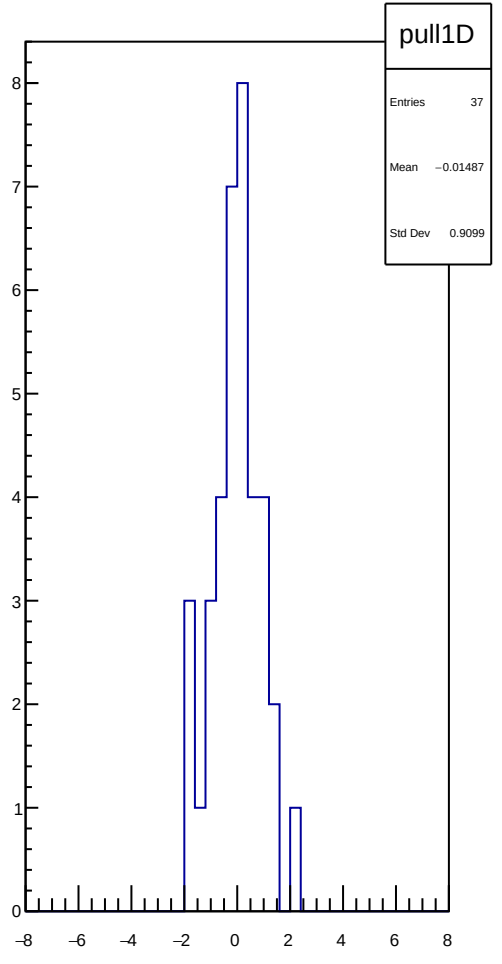
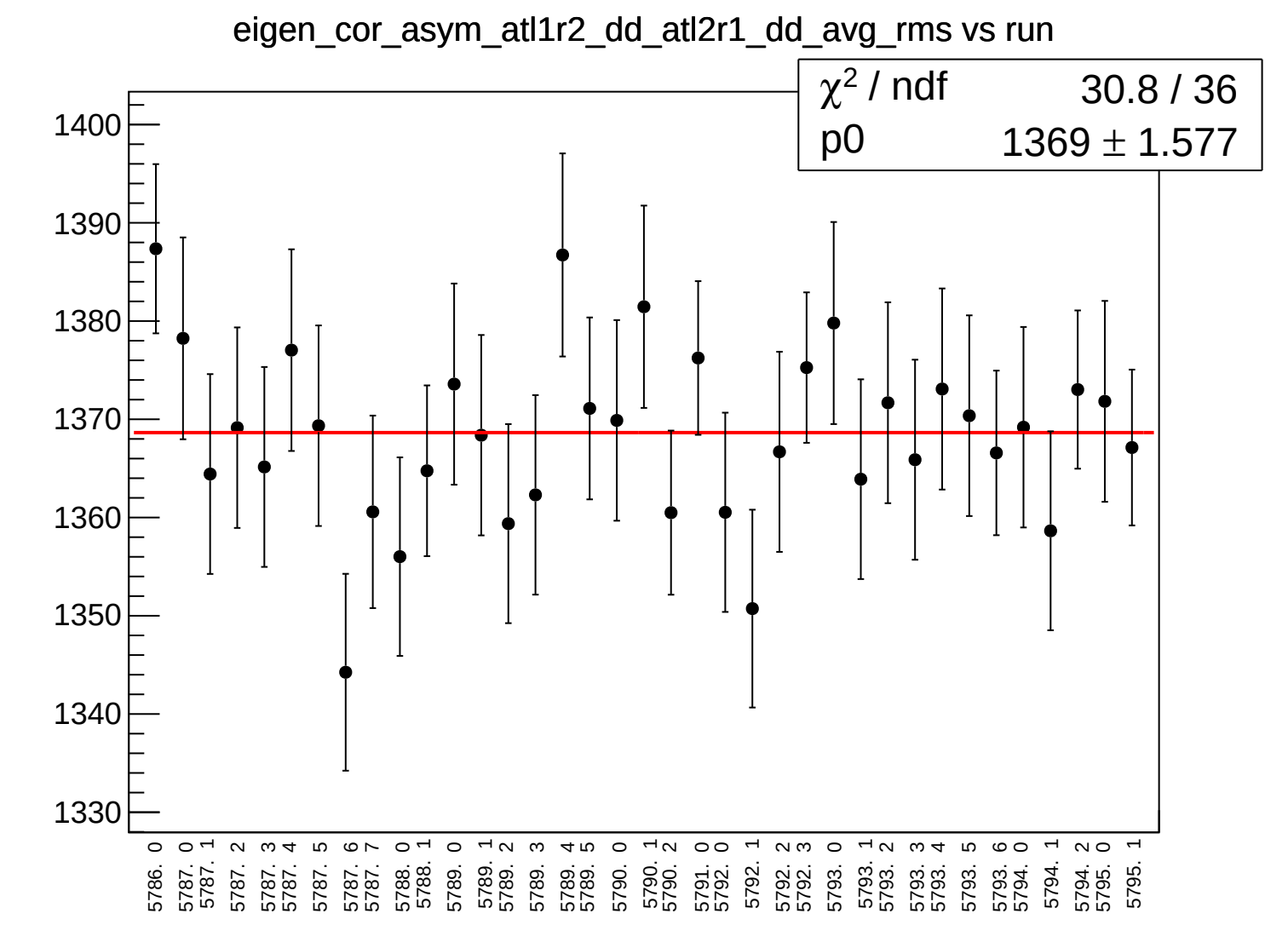
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.209
Std Dev 0
2
1
0
−1
−2

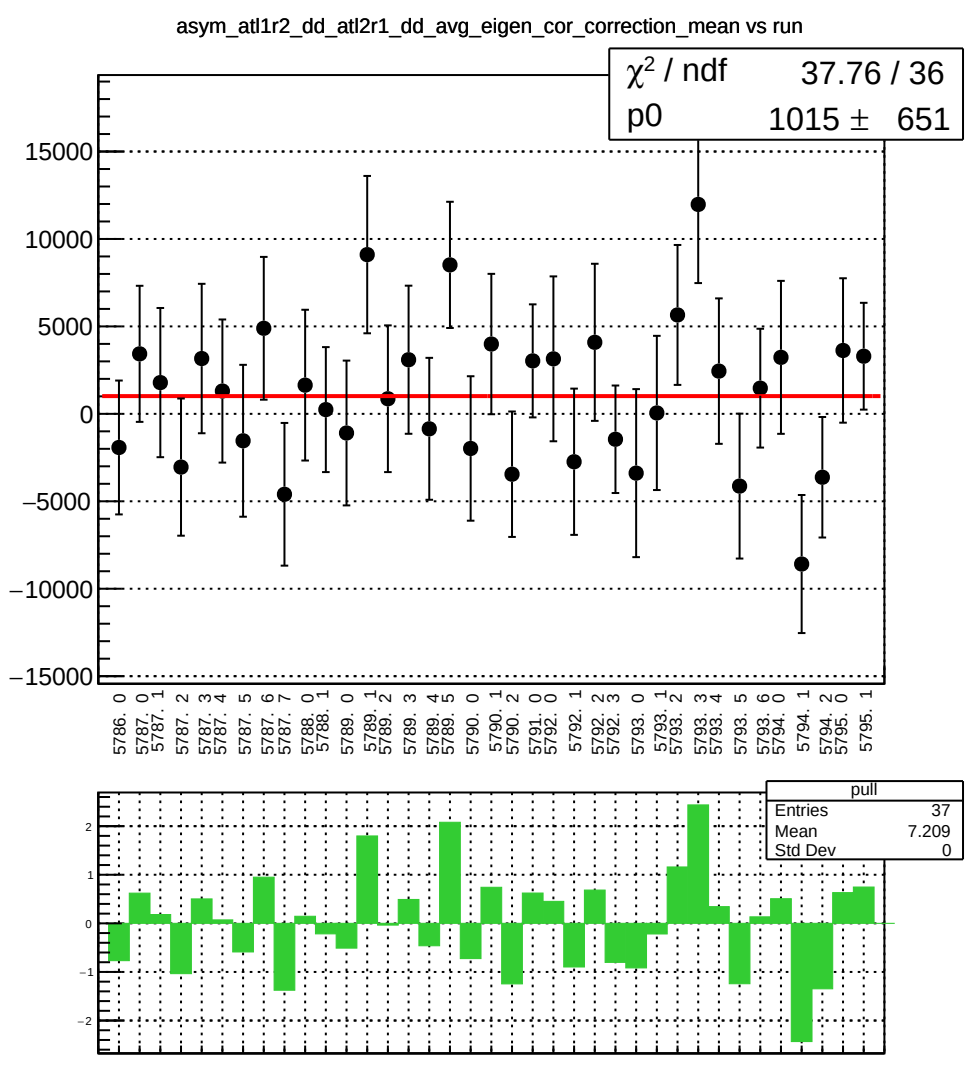

pull1D
Entries 37
Mean 0.0131
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

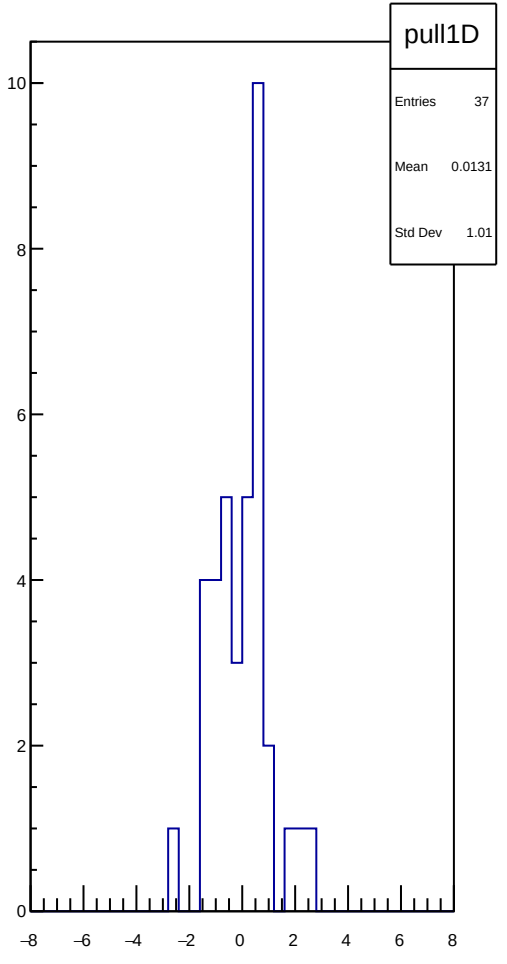

asym_atl1r2_dd_atl2r1_dd_avg_cor_correction_rms vs run
χ² / ndf 1783 / 36
p0 398.9 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

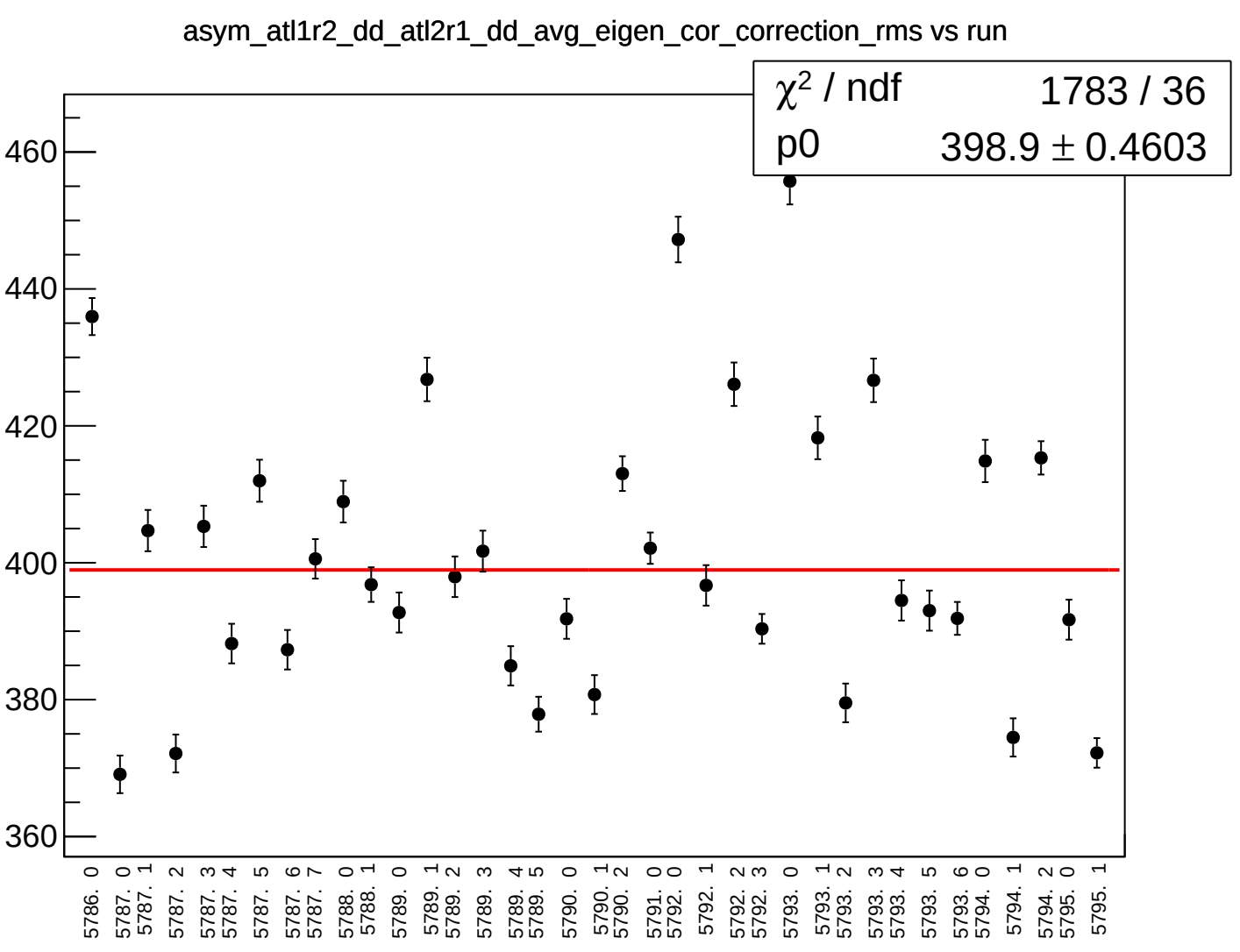

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 30.64 / 36
p0 −176.5 ± 2231
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −78.59
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

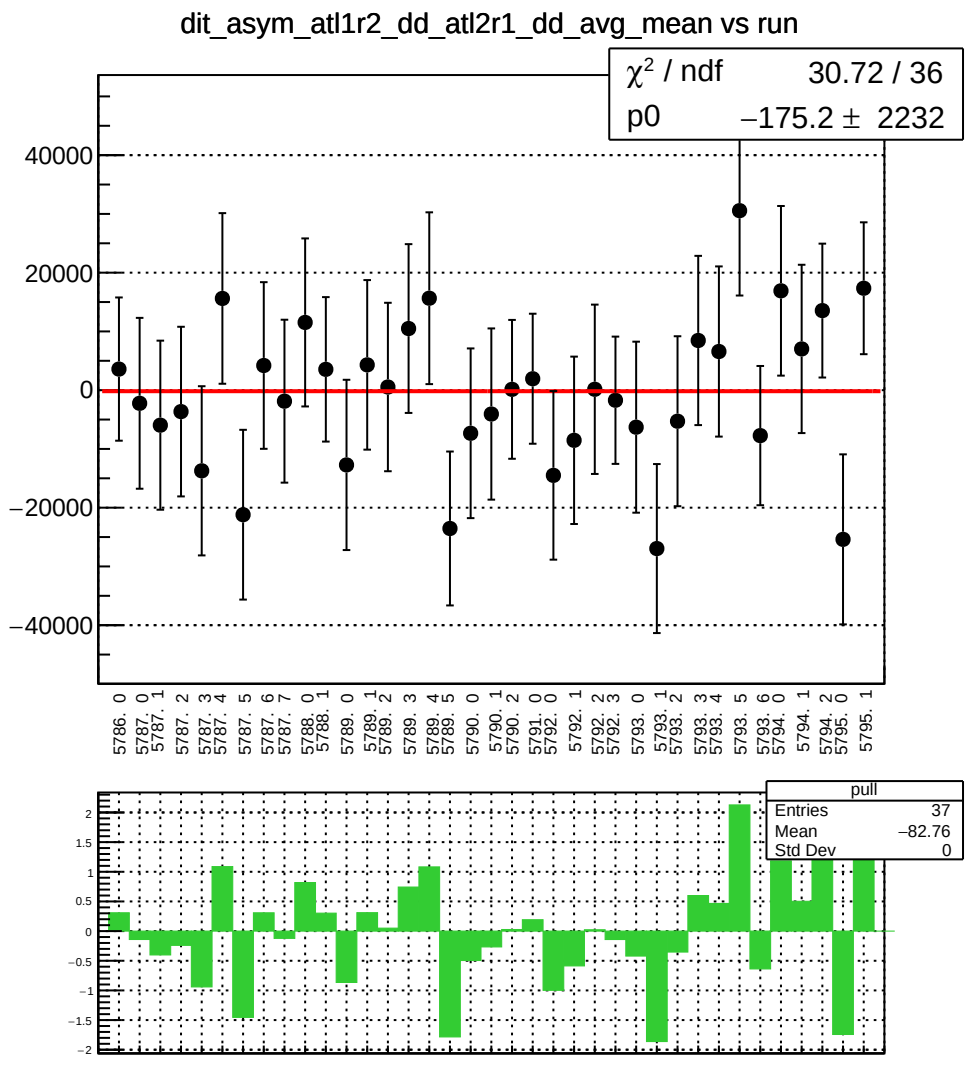

pull1D
Entries 37
Mean −0.01487
Std Dev 0.9099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

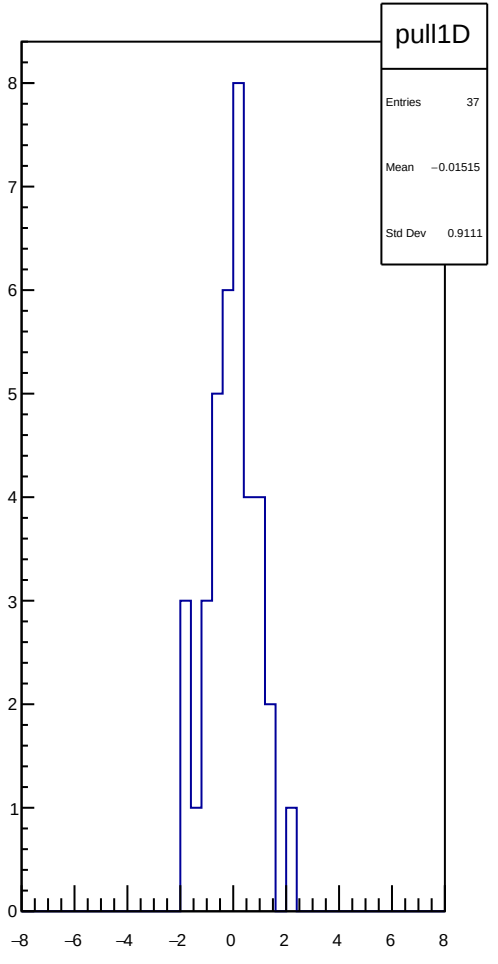

eigen_cor_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 30.8 / 36
p0 1369 ± 1.577
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

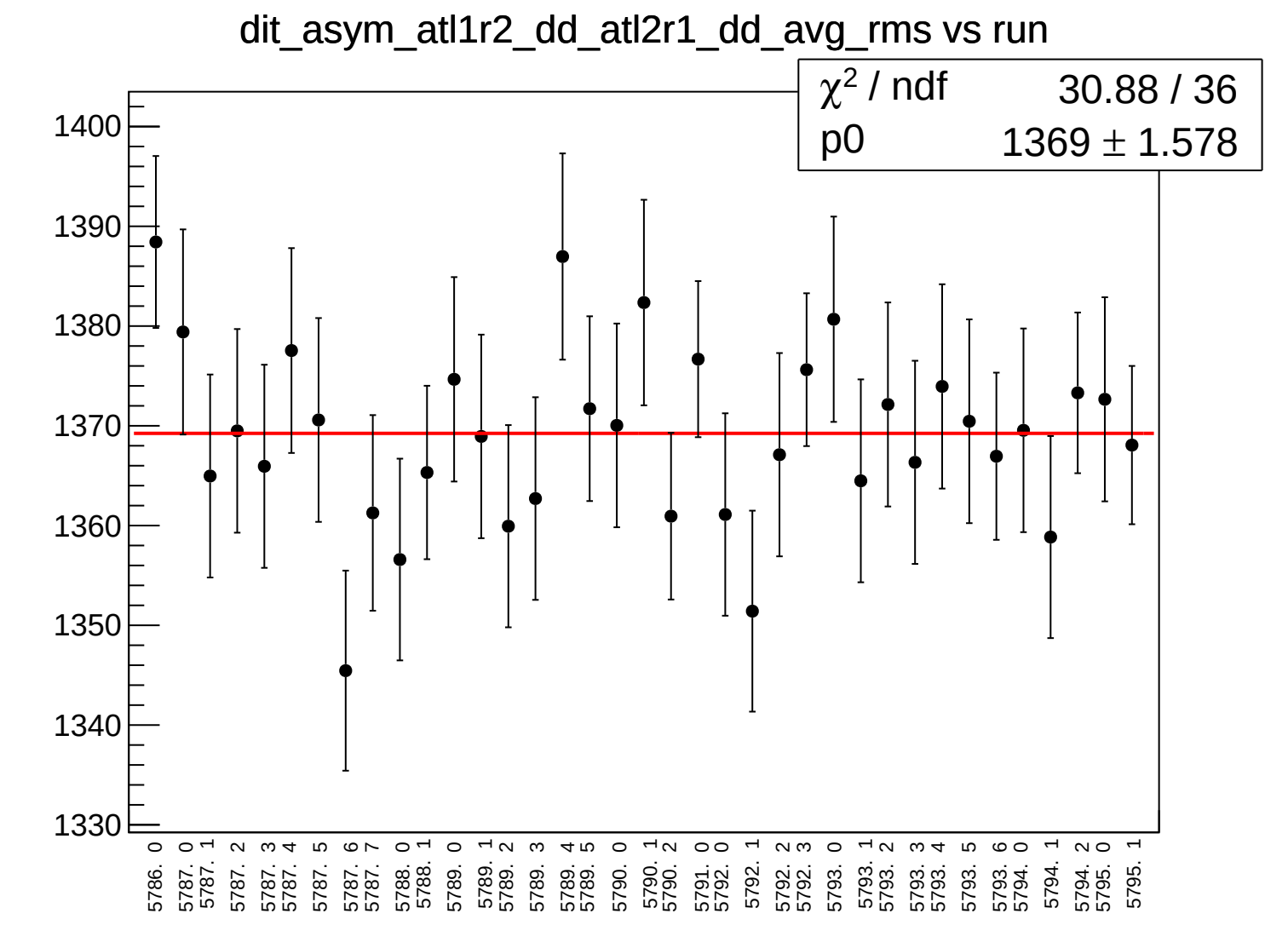

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.76 / 36
p0 1015 ± 651
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.209
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0131
Std Dev 1.01
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 1783 / 36
p0 398.9 ± 0.4603
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 30.72 / 36
p0 −175.2 ± 2232
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01515
Std Dev 0.9111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 30.88 / 36
p0 1369 ± 1.578
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
5794. 1
5794. 2
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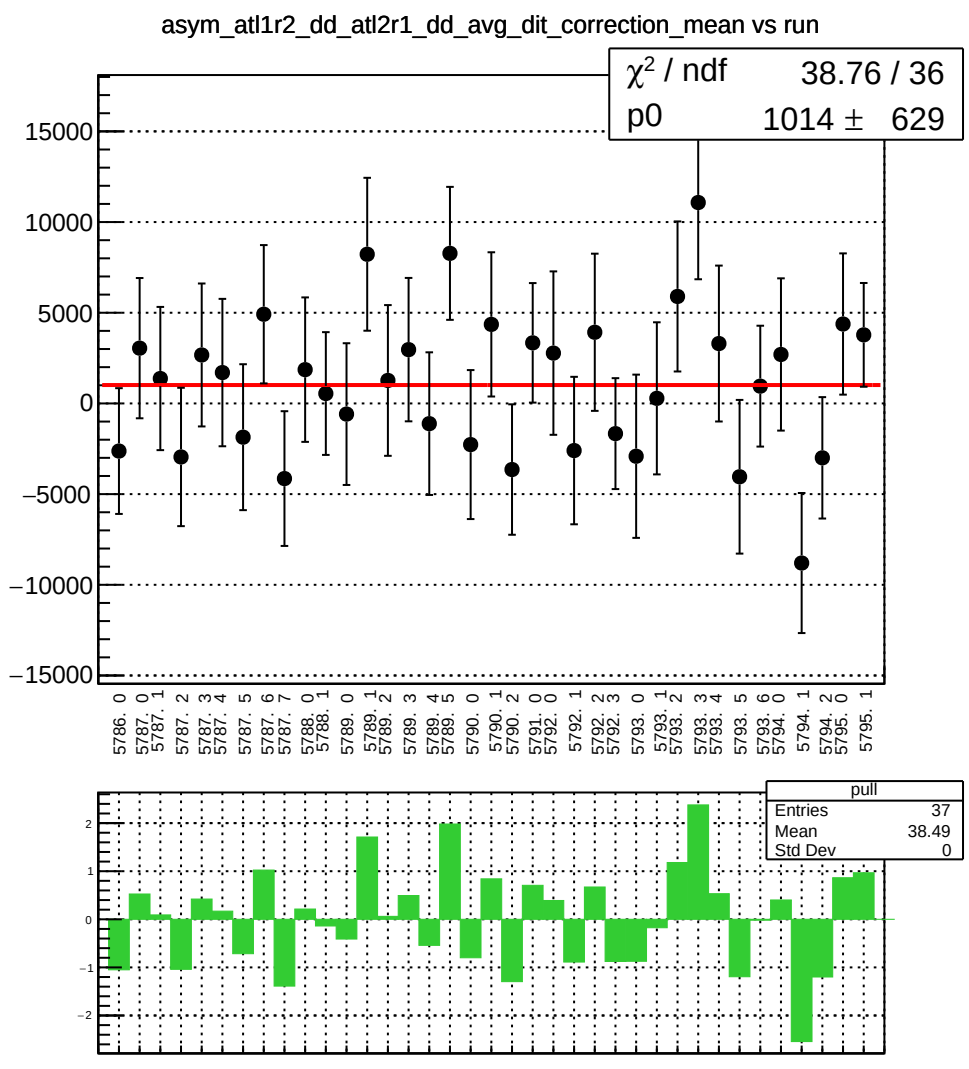
5795. 1


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_mean vs run
χ² / ndf 38.76 / 36
p0 1014 ± 629
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 1
5792. 2
5792. 3
5793. 0
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5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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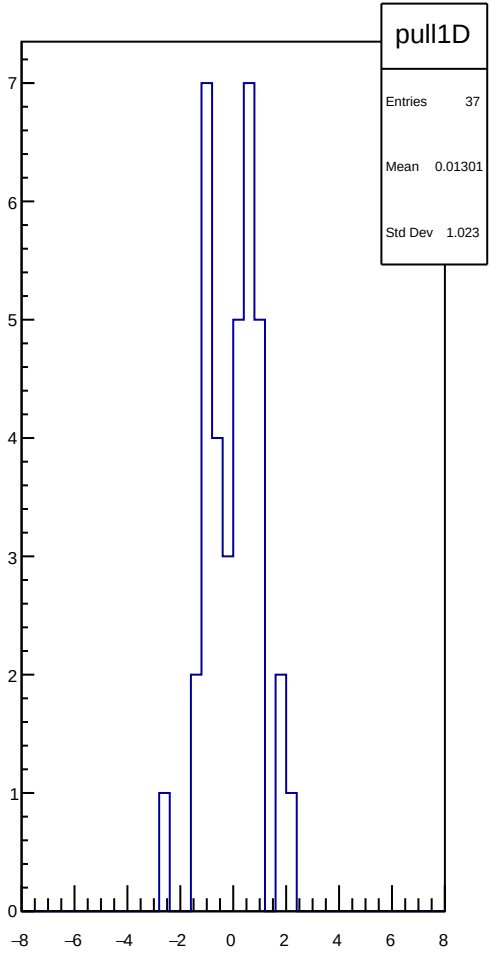
5795. 0
5795. 1
pull
Entries 37
Mean 38.49
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01301
Std Dev 1.023
7
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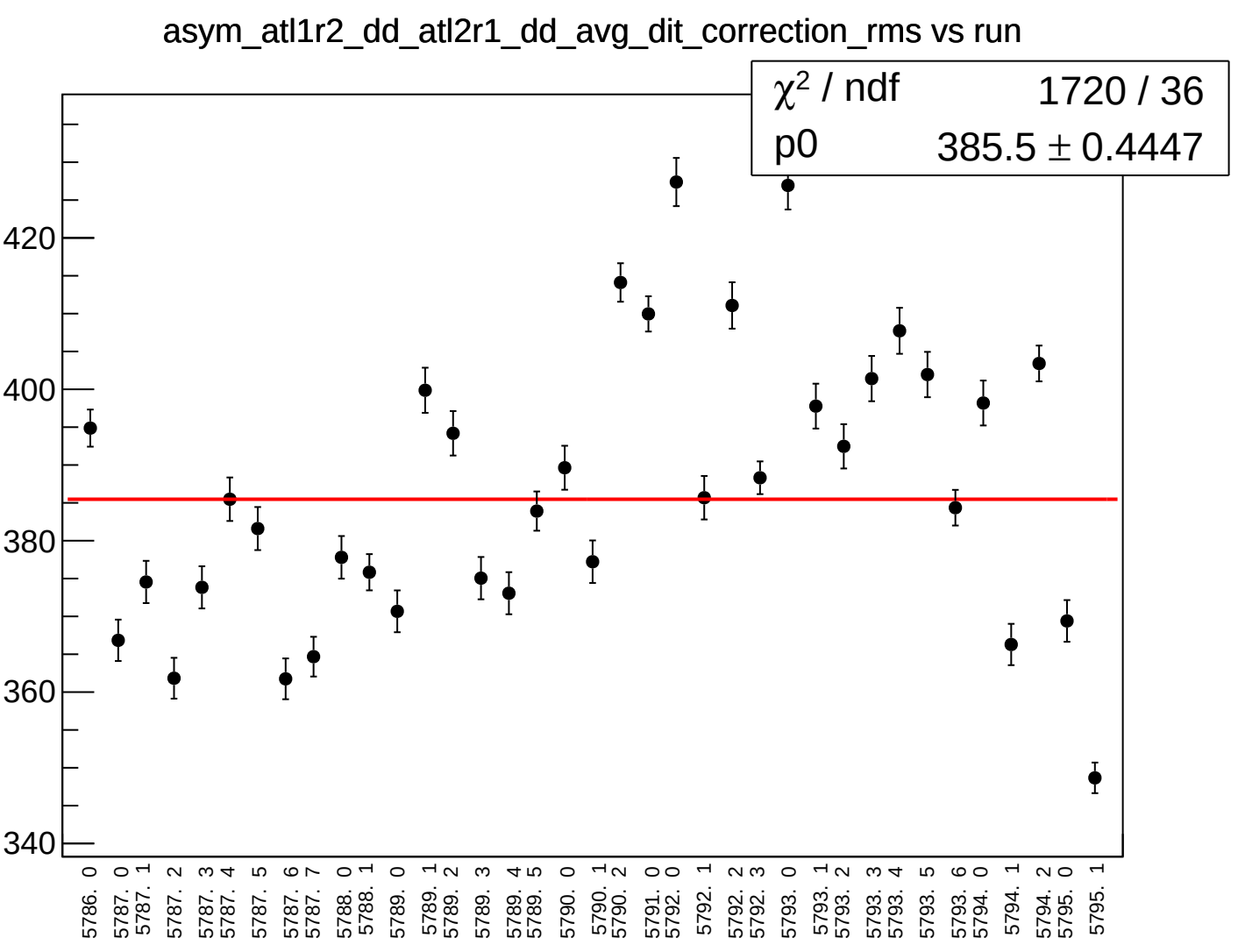
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_atl1r2_dd_atl2r1_dd_avg_dit_correction_rms vs run
χ² / ndf 1720 / 36
p0 385.5 ± 0.4447
420
400
380
360
340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 5
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 4
5793. 5
5793. 6
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5794. 2
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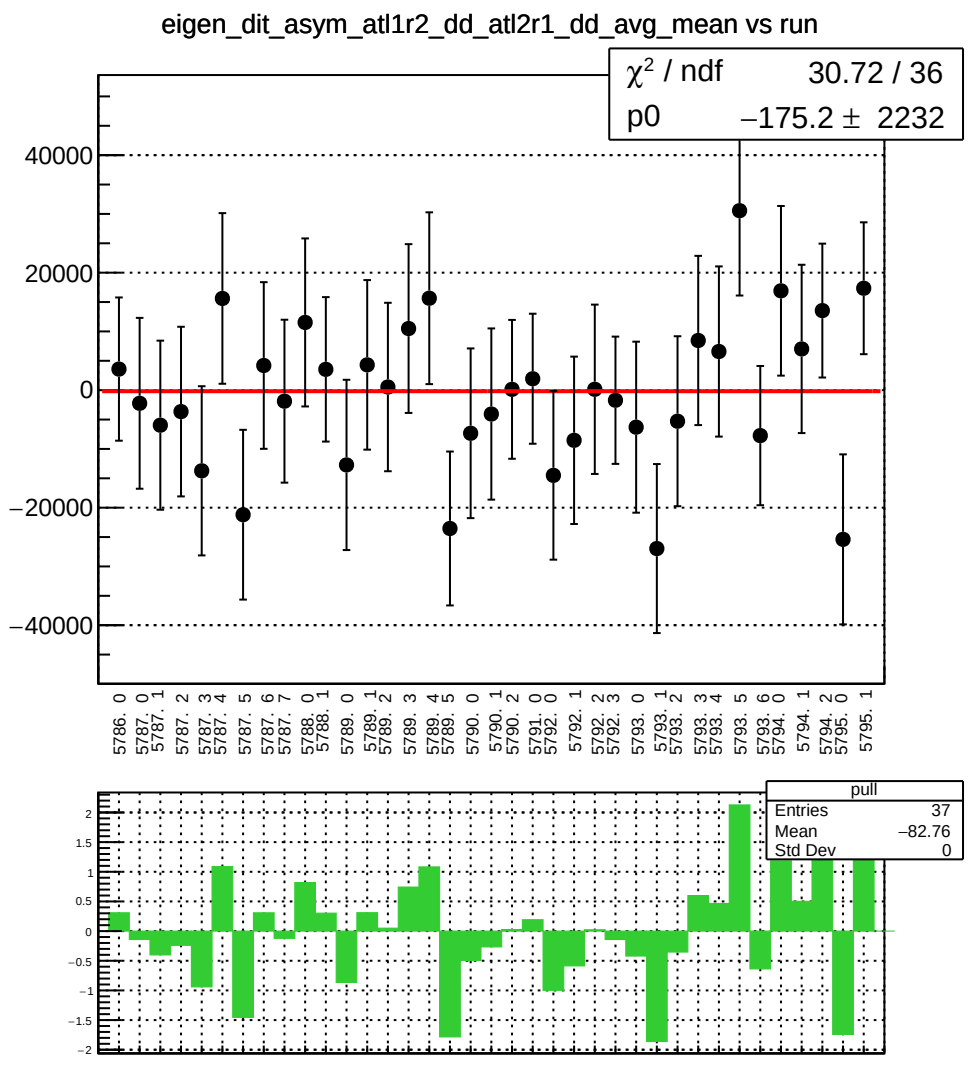
5795. 1


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 30.72 / 36
p0 −175.2 ± 2232
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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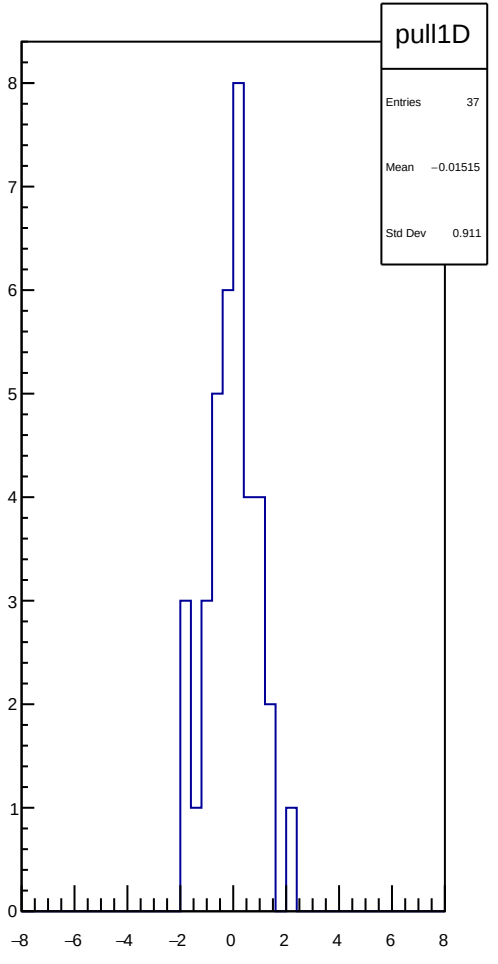
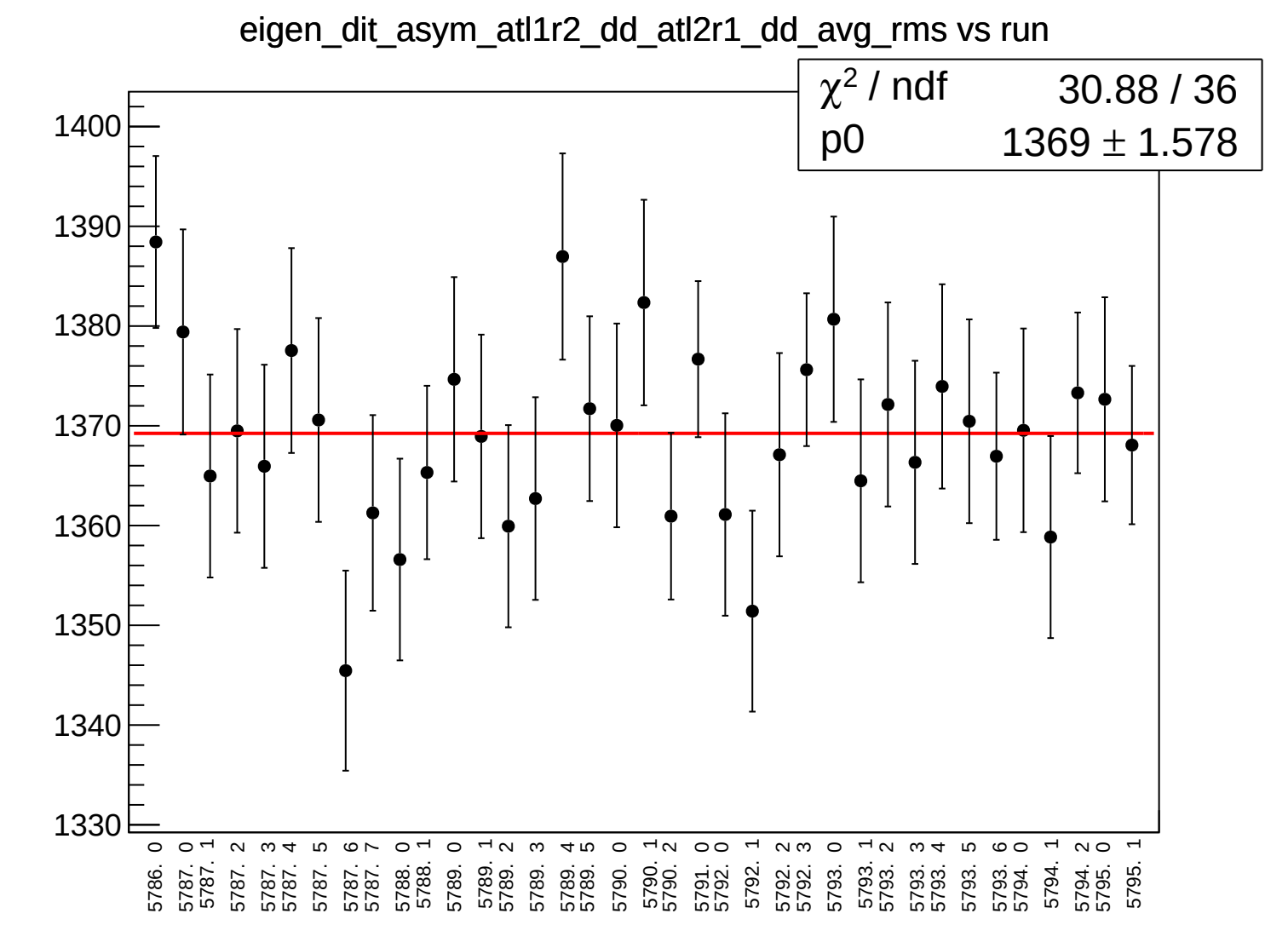
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01515
Std Dev 0.911
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 30.88 / 36
p0 1369 ± 1.578
1400
1390
1380
1370
1360
1350
1340
1330
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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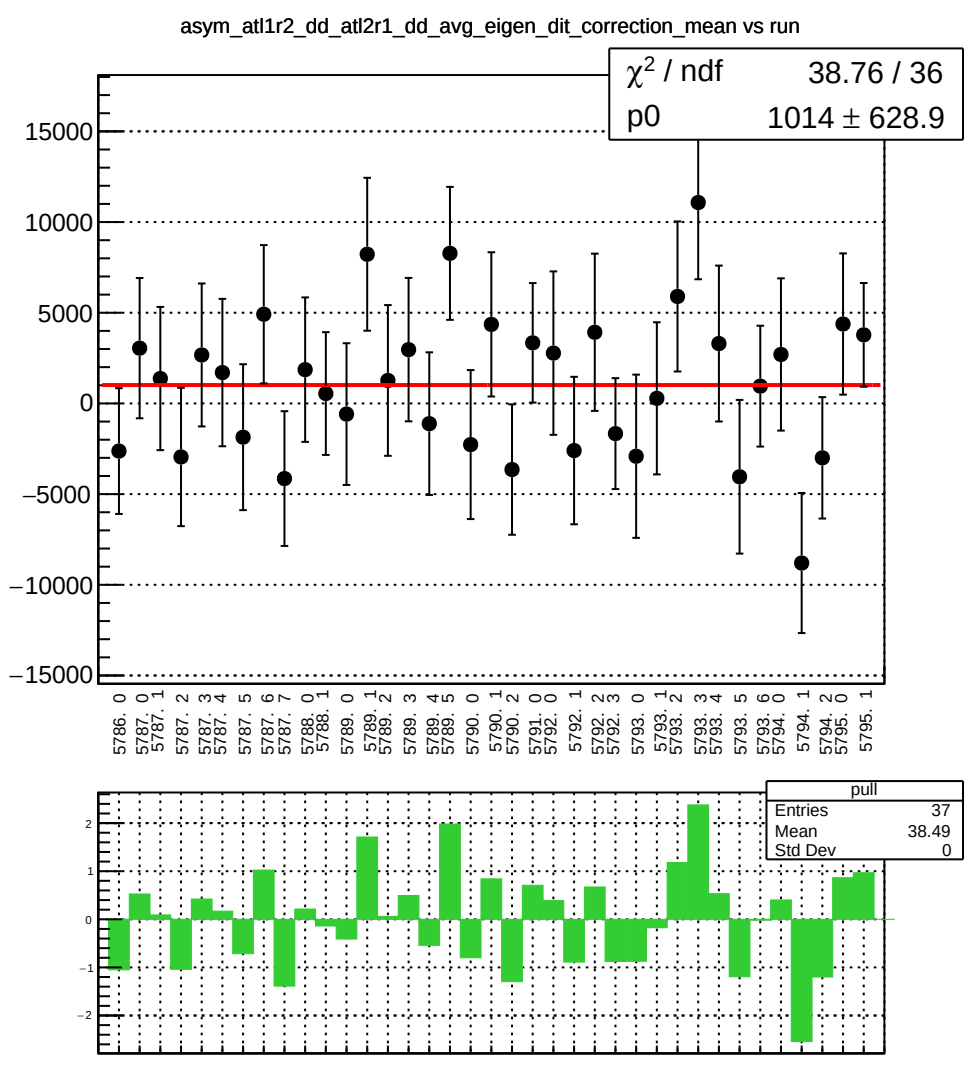
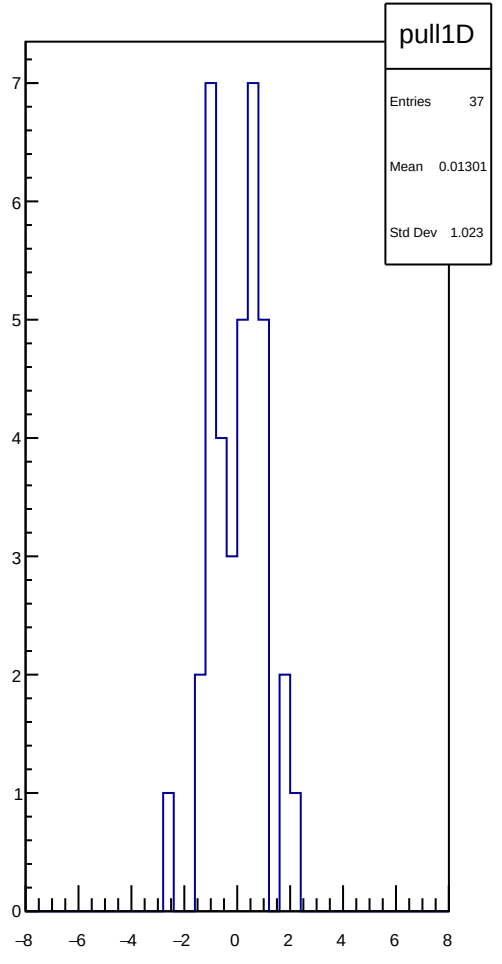
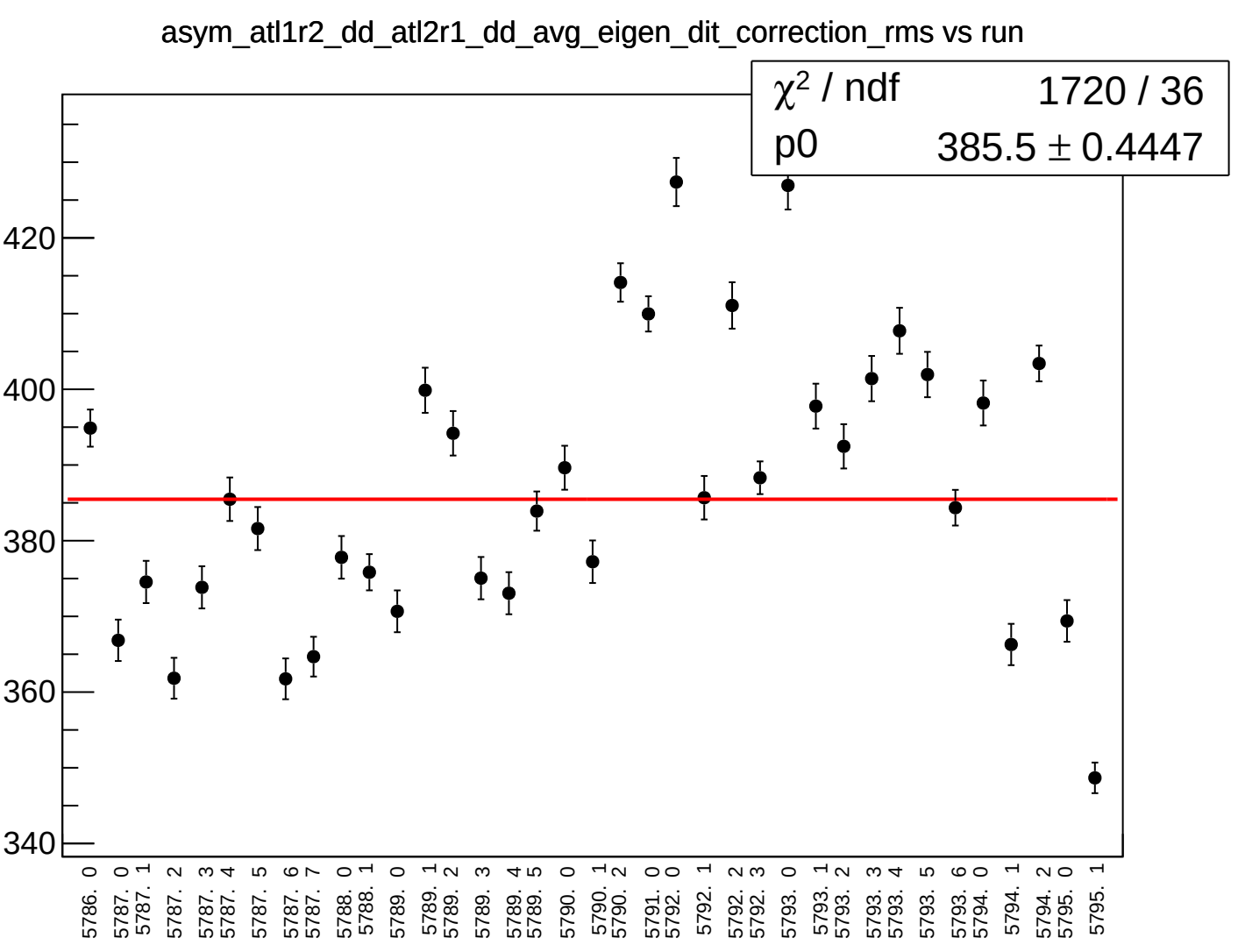
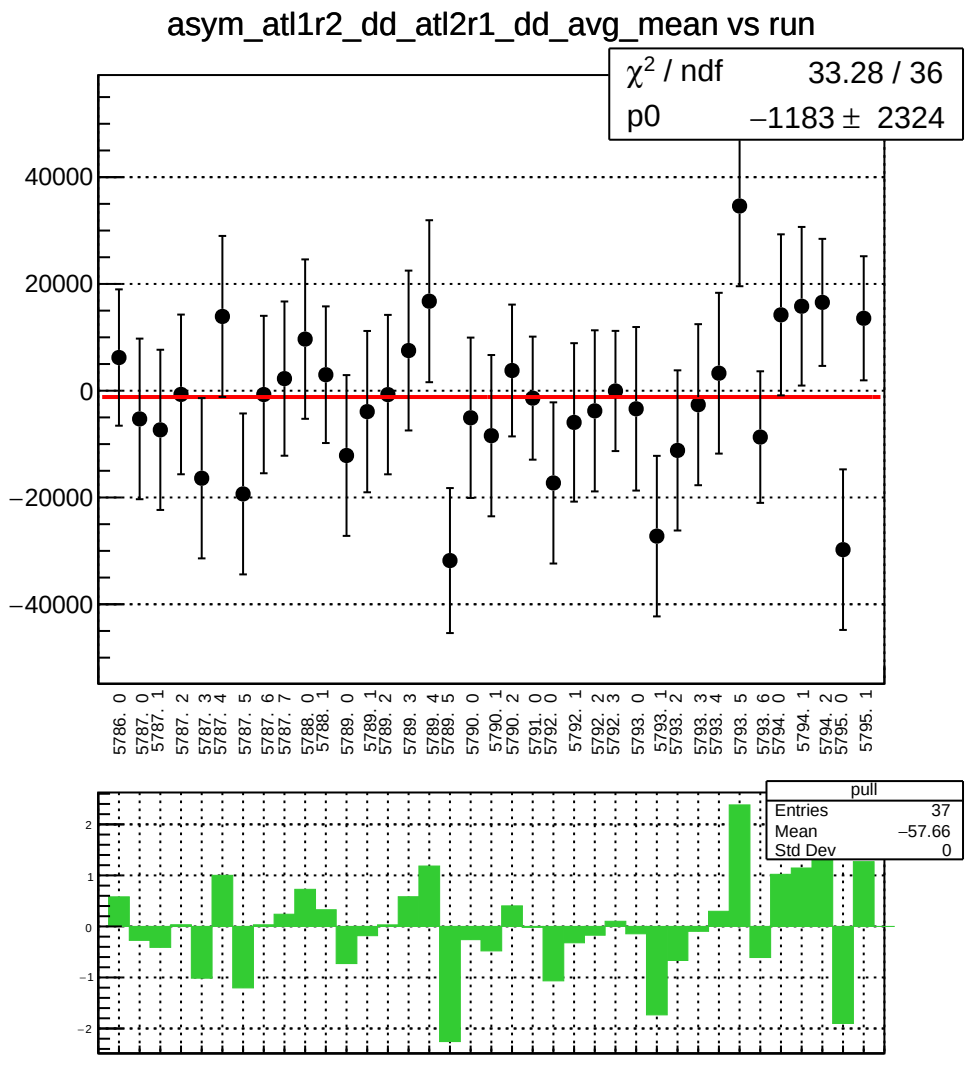
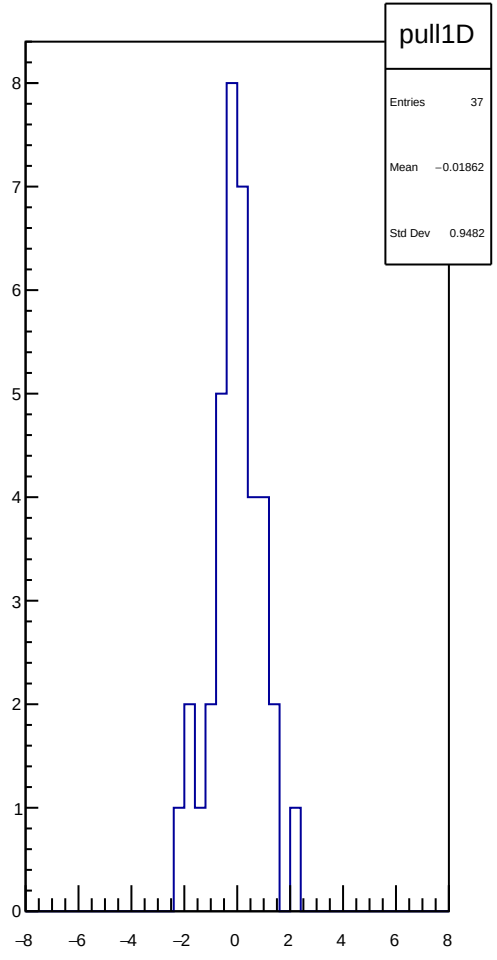
5794. 1
5794. 2
5795. 0
5795. 1

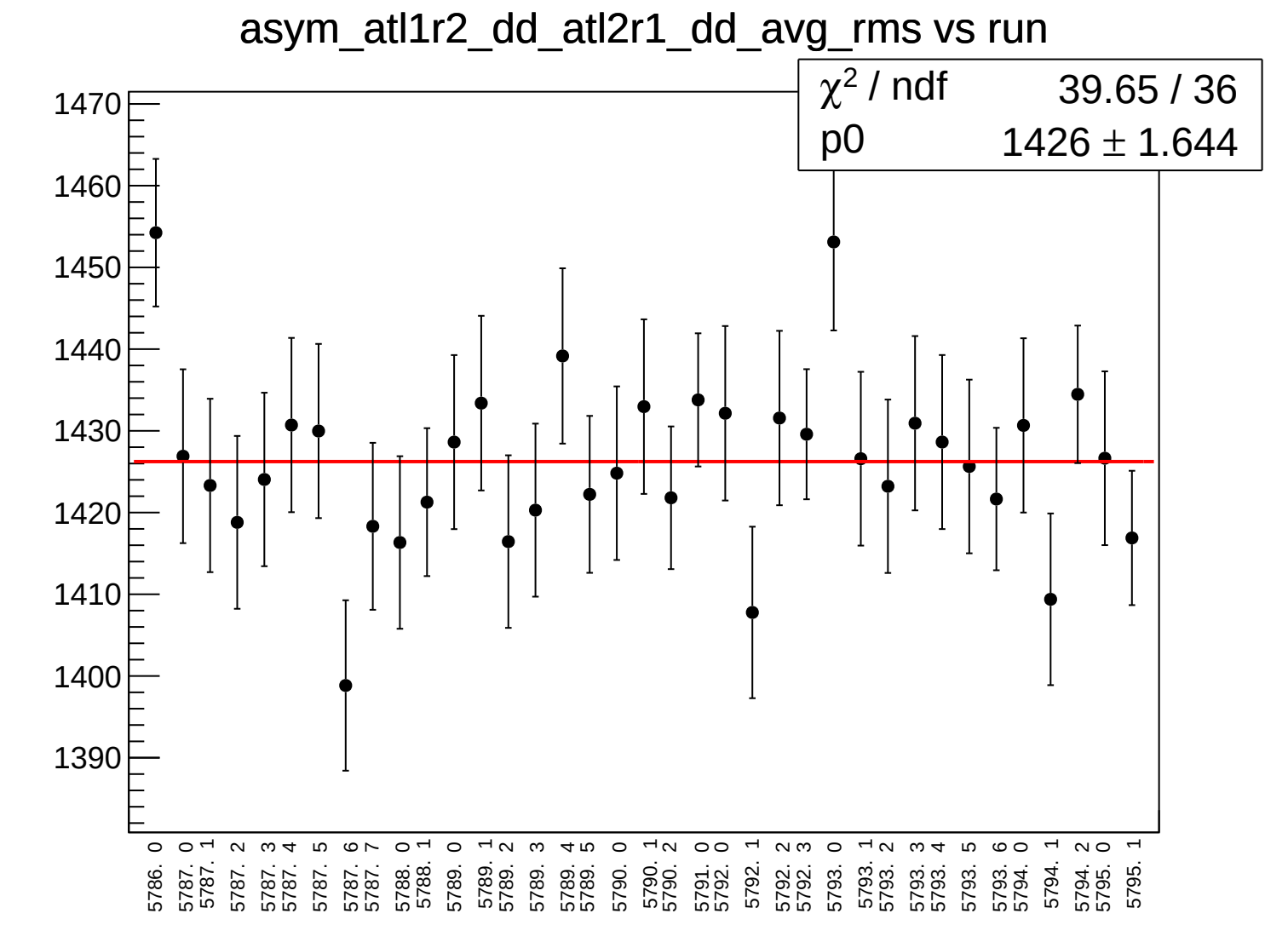

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 38.76 / 36
p0 1014 ± 628.9
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.49
Std Dev 0
2
1
0
−1
−2

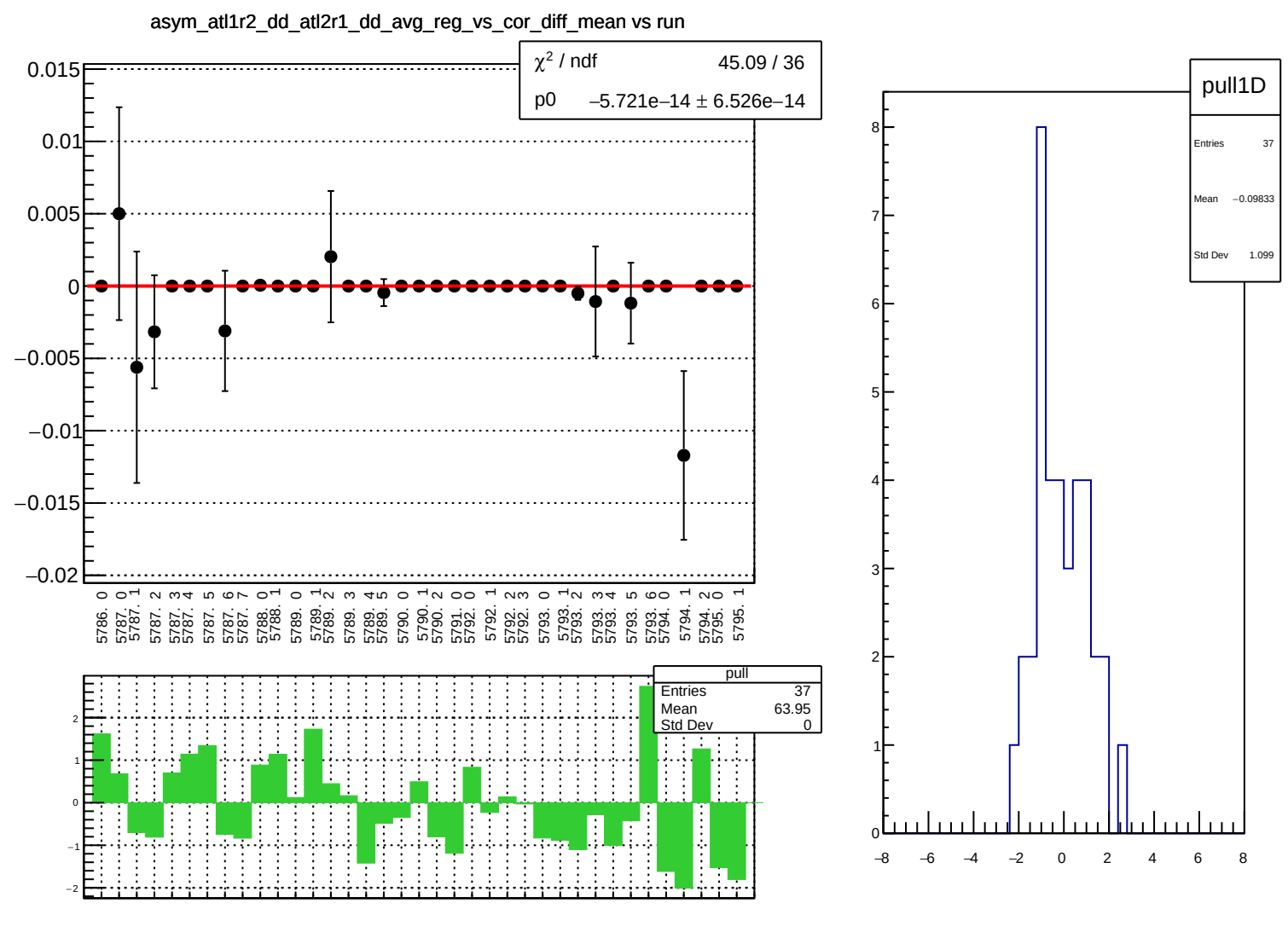

pull1D
Entries 37
Mean 0.01301
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

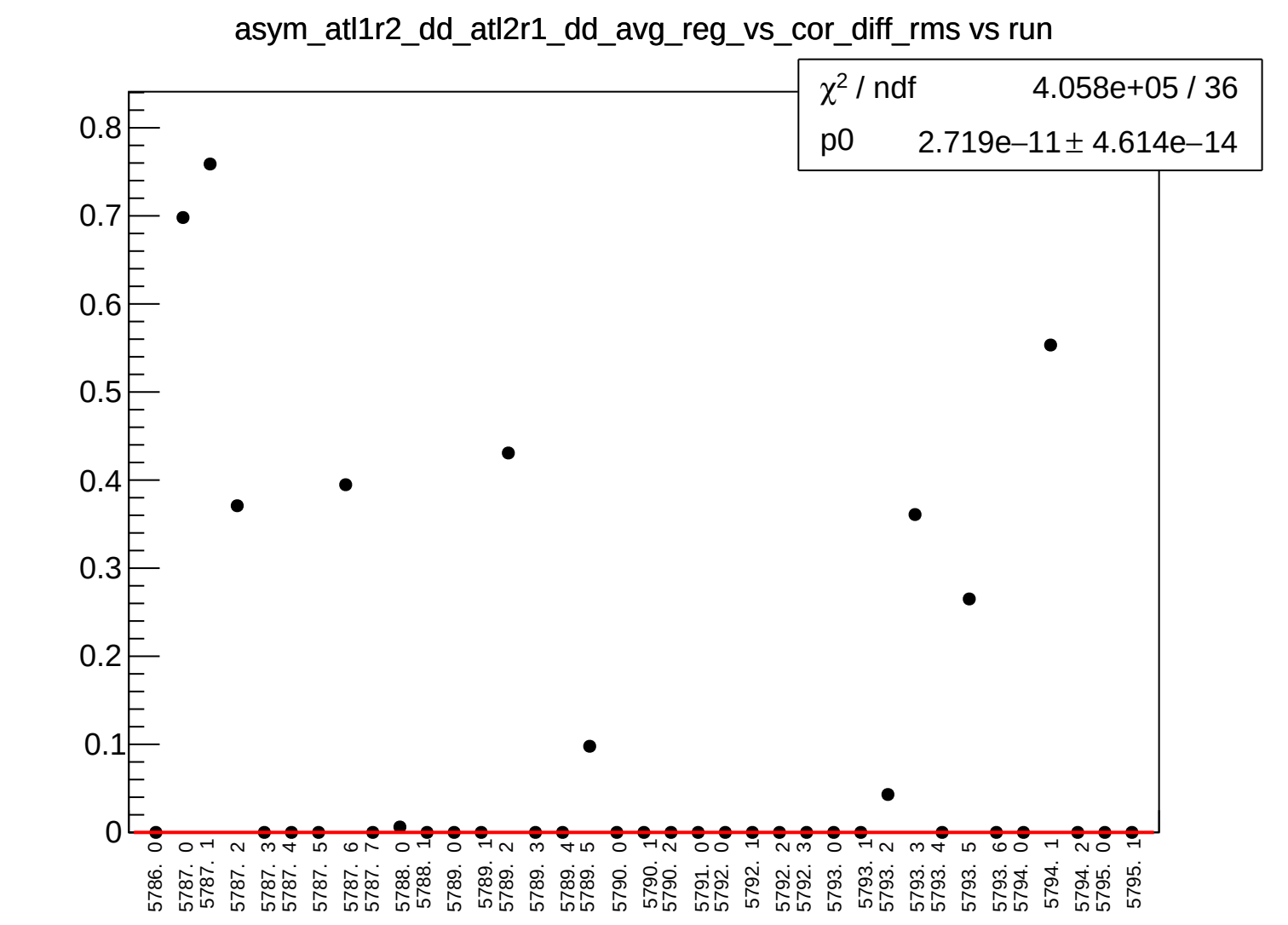

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1720 / 36
p0 385.5 ± 0.4447
420
400
380
360
340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

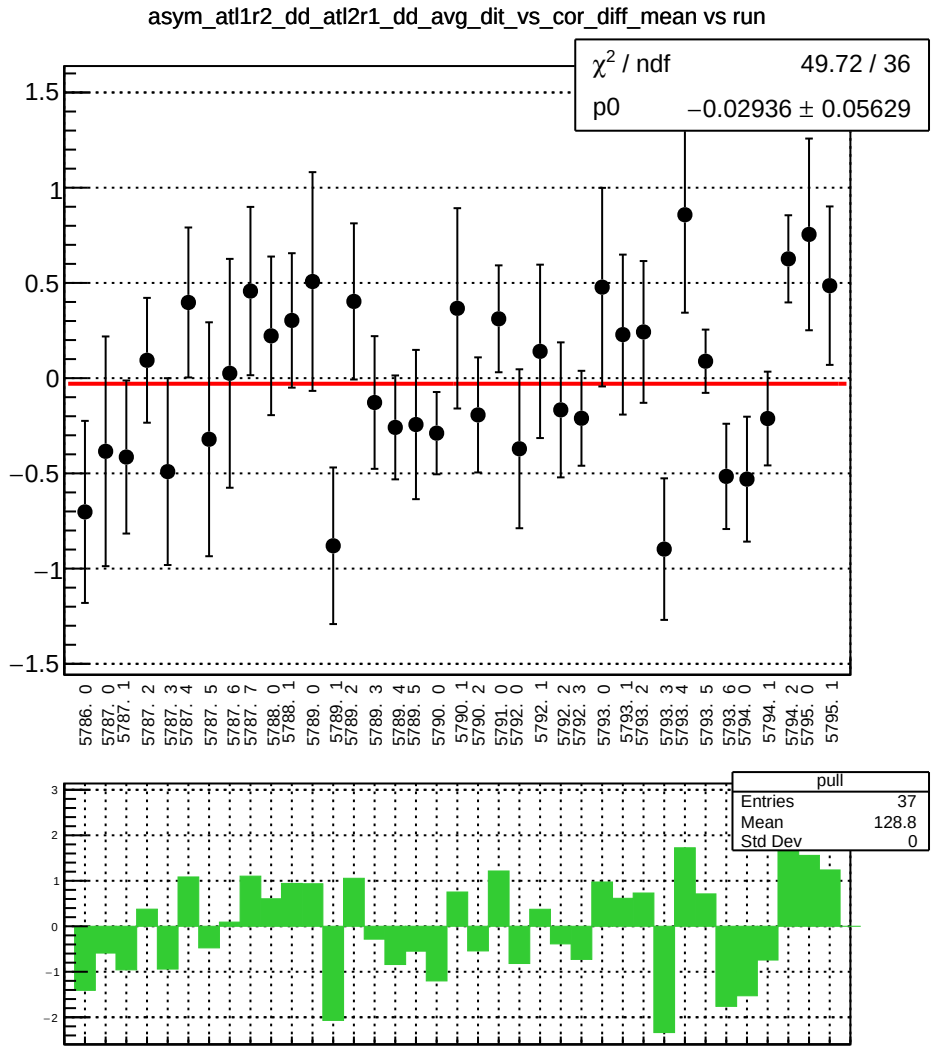

asym_atl1r2_dd_atl2r1_dd_avg_mean vs run
χ² / ndf 33.28 / 36
p0 −1183 ± 2324
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.66
Std Dev 0
2
1
0
−1
−2

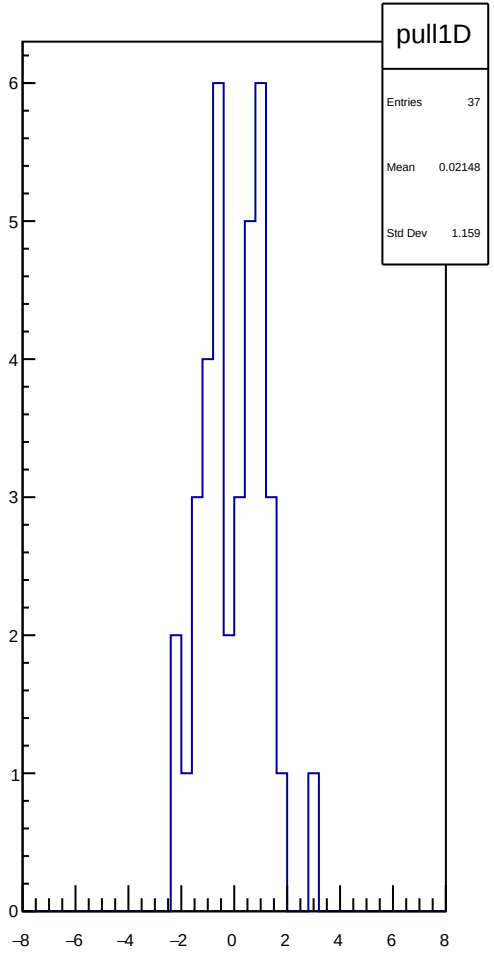

pull1D
Entries 37
Mean −0.01862
Std Dev 0.9482
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

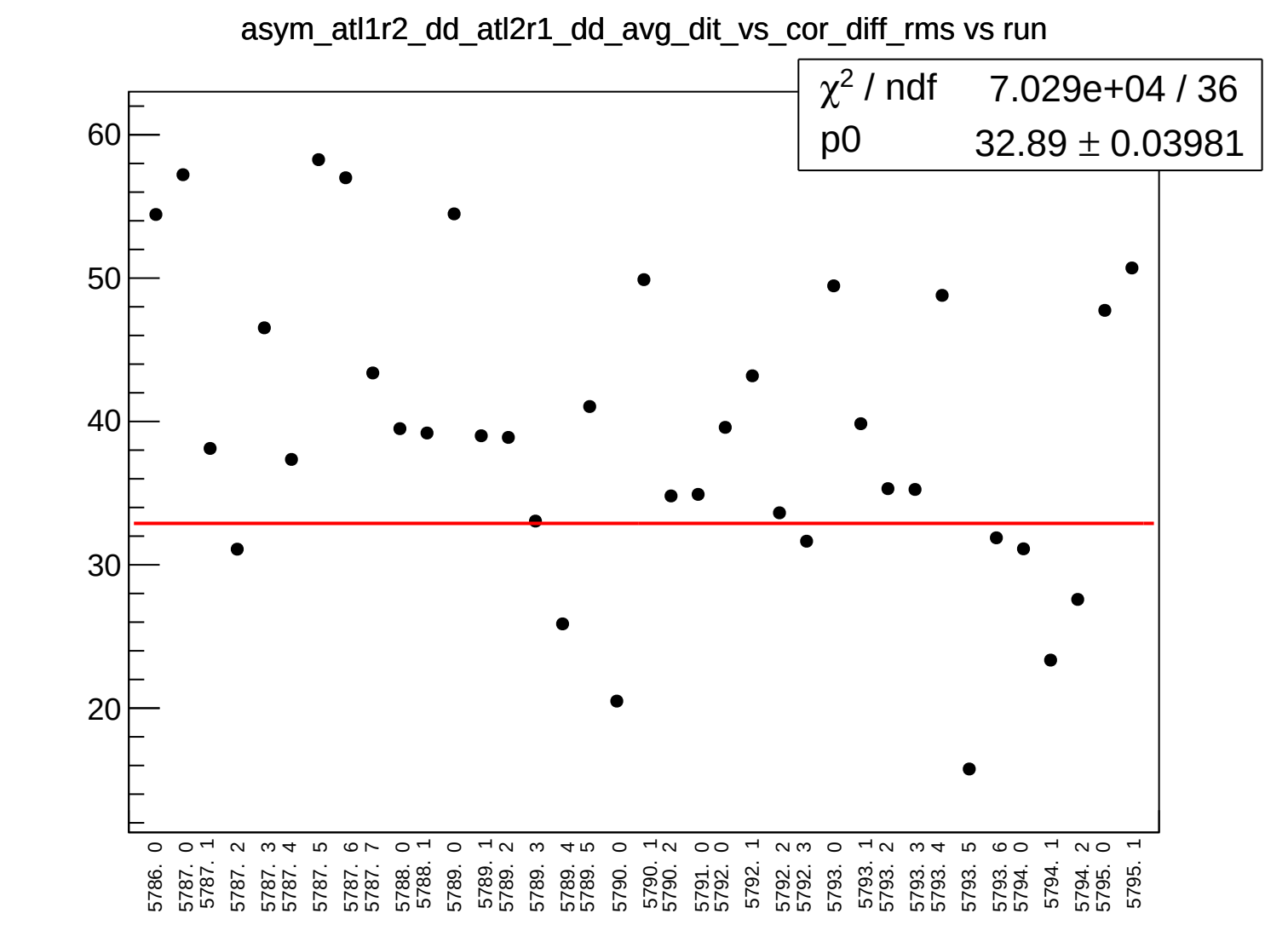

asym_atl1r2_dd_atl2r1_dd_avg_rms vs run
χ² / ndf 39.65 / 36
p0 1426 ± 1.644
1470
1460
1450
1440
1430
1420
1410
1400
1390
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

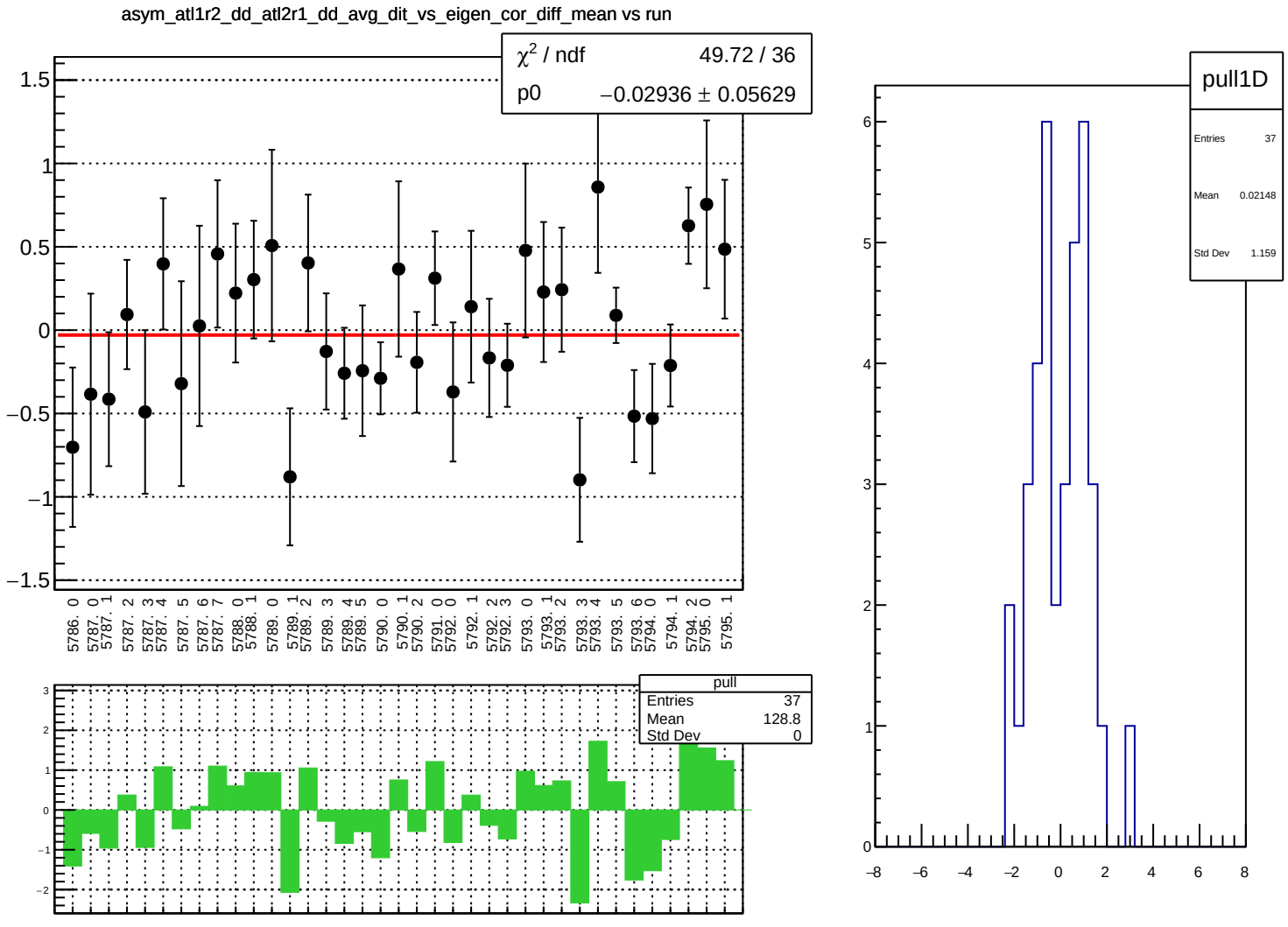

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.09 / 36
p0 −5.721e−14 ± 6.526e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 63.95
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.09833
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

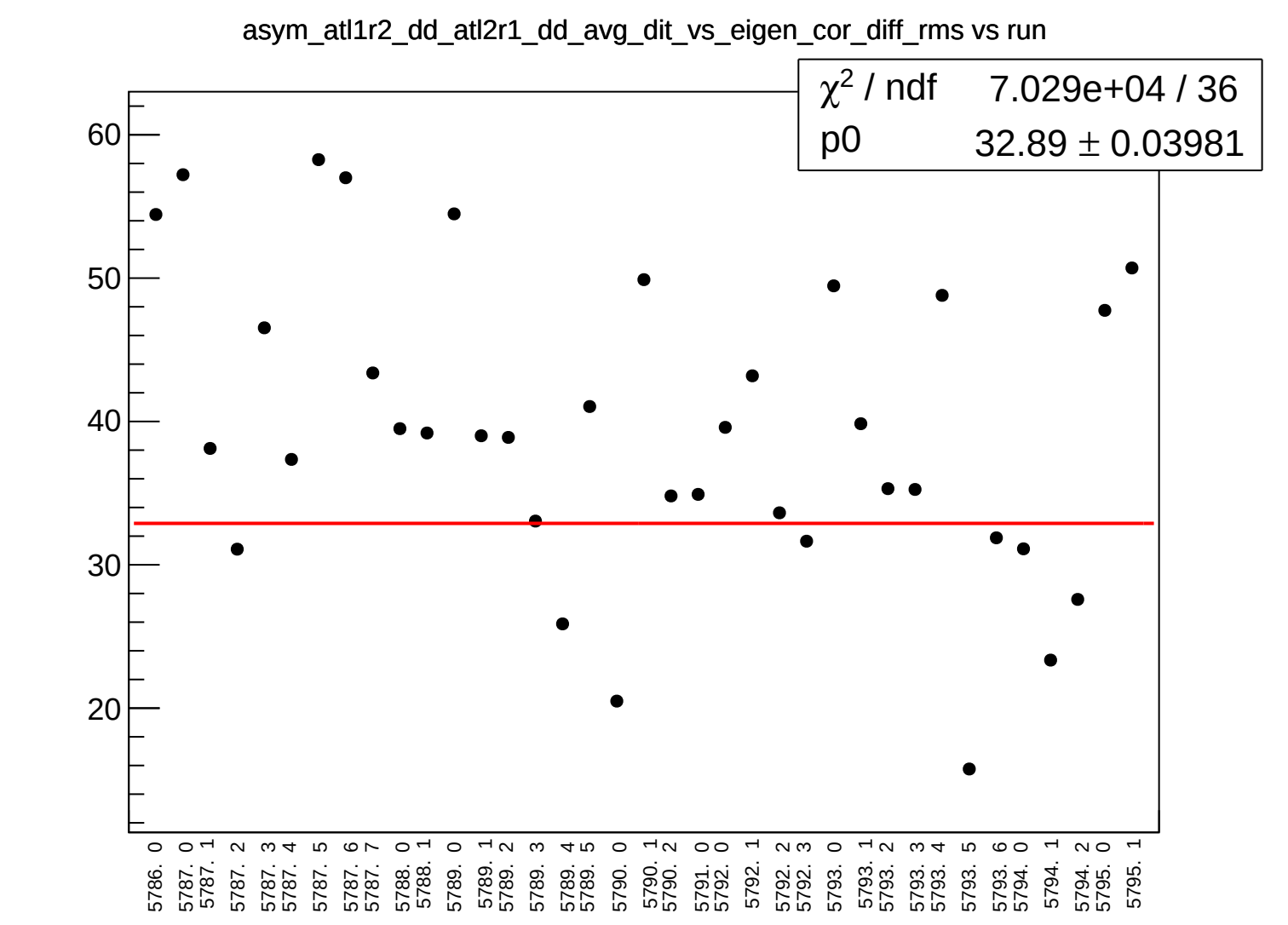

asym_atl1r2_dd_atl2r1_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.058e+05 / 36
p0 2.719e−11 ± 4.614e−14
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

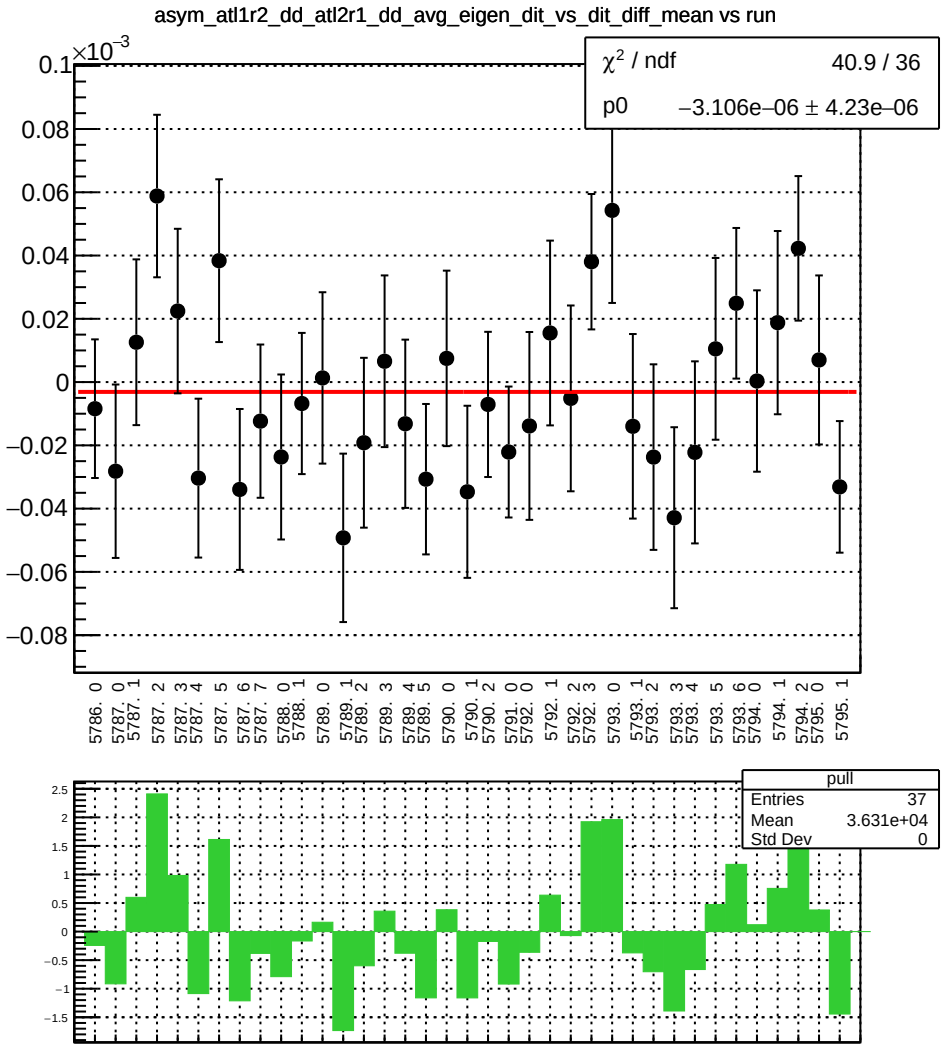

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
pull
Entries 37
Mean 128.8
Std Dev 0

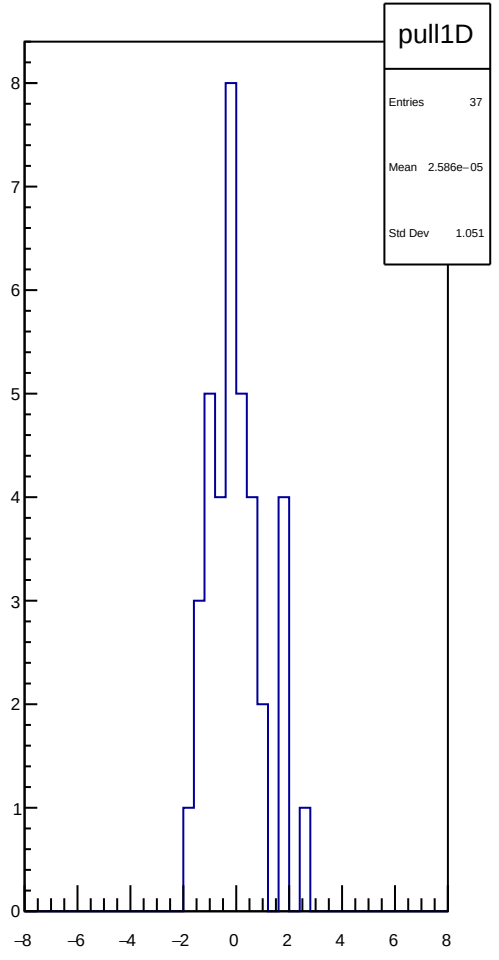

pull1D
Entries 37
Mean 0.02148
Std Dev 1.159

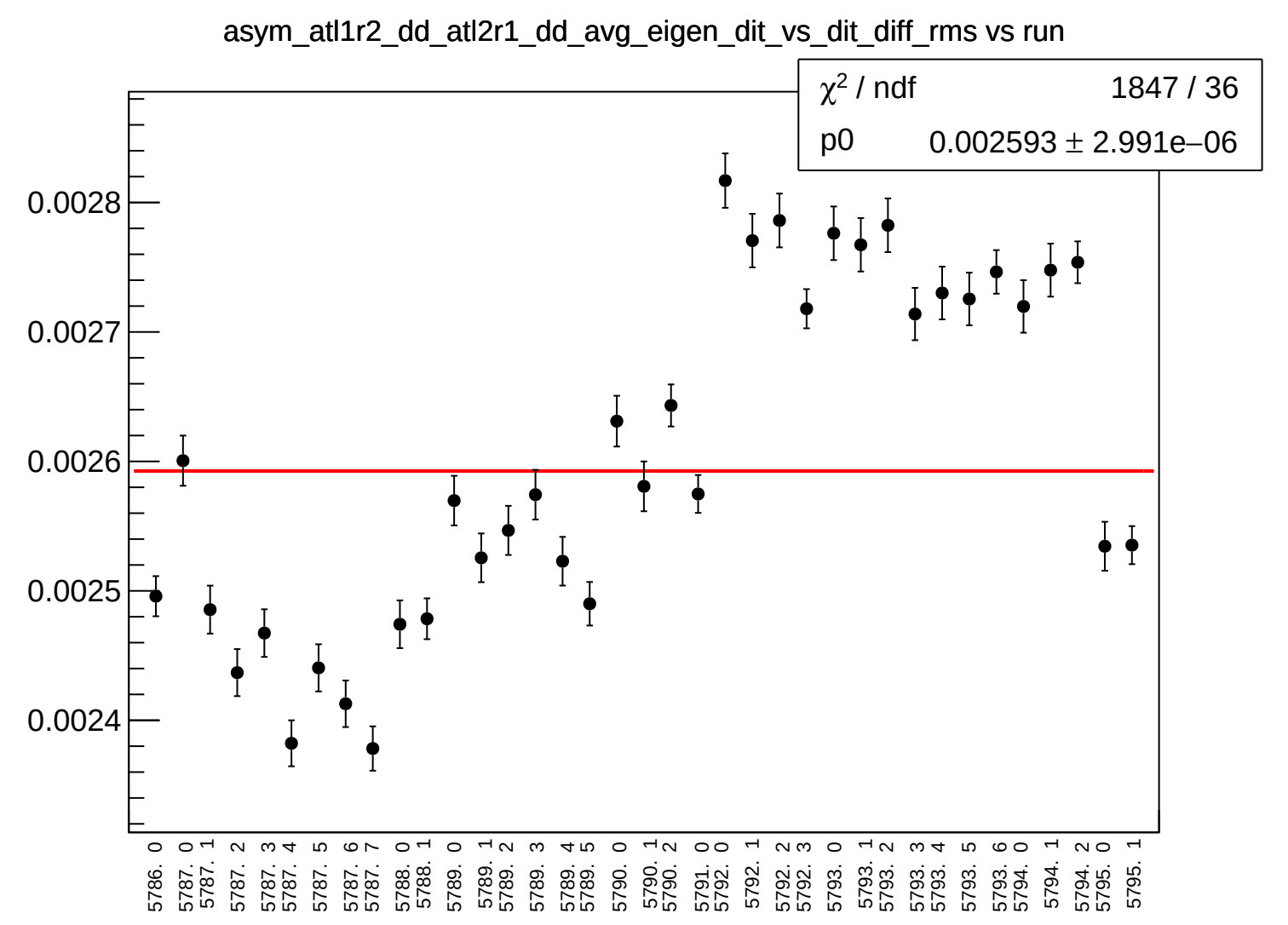

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

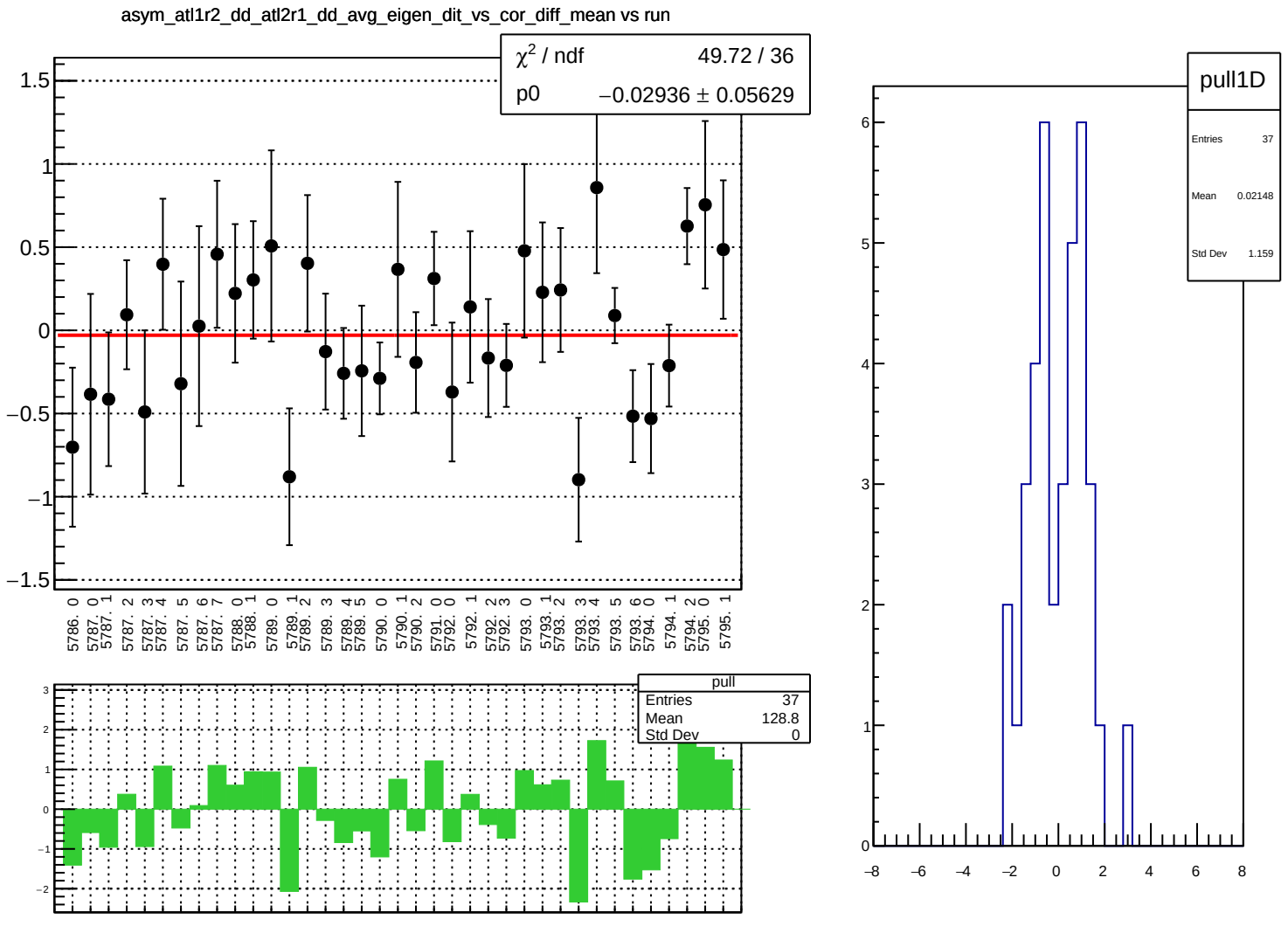

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02148
Std Dev 1.159
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

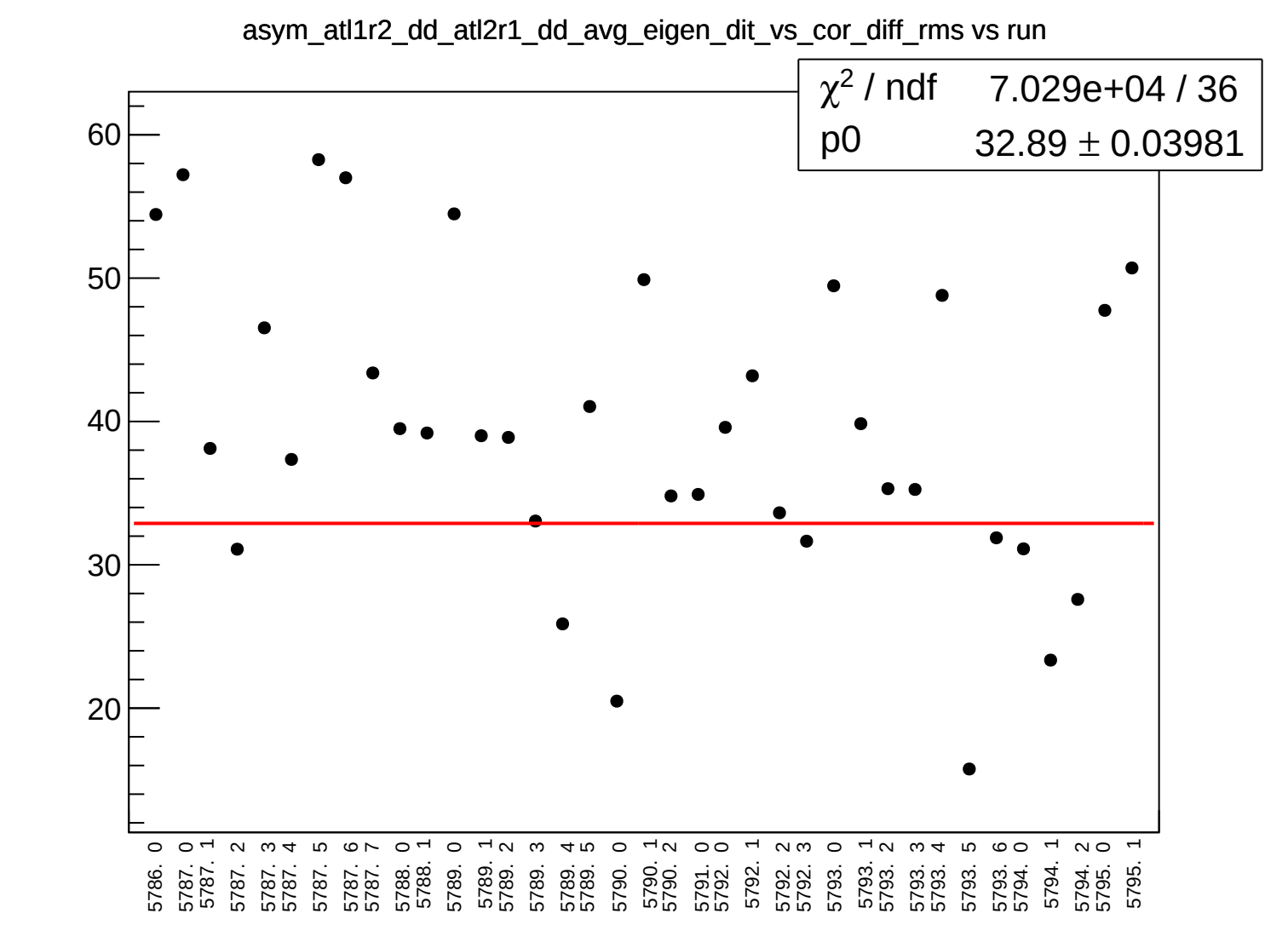

asym_atl1r2_dd_atl2r1_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

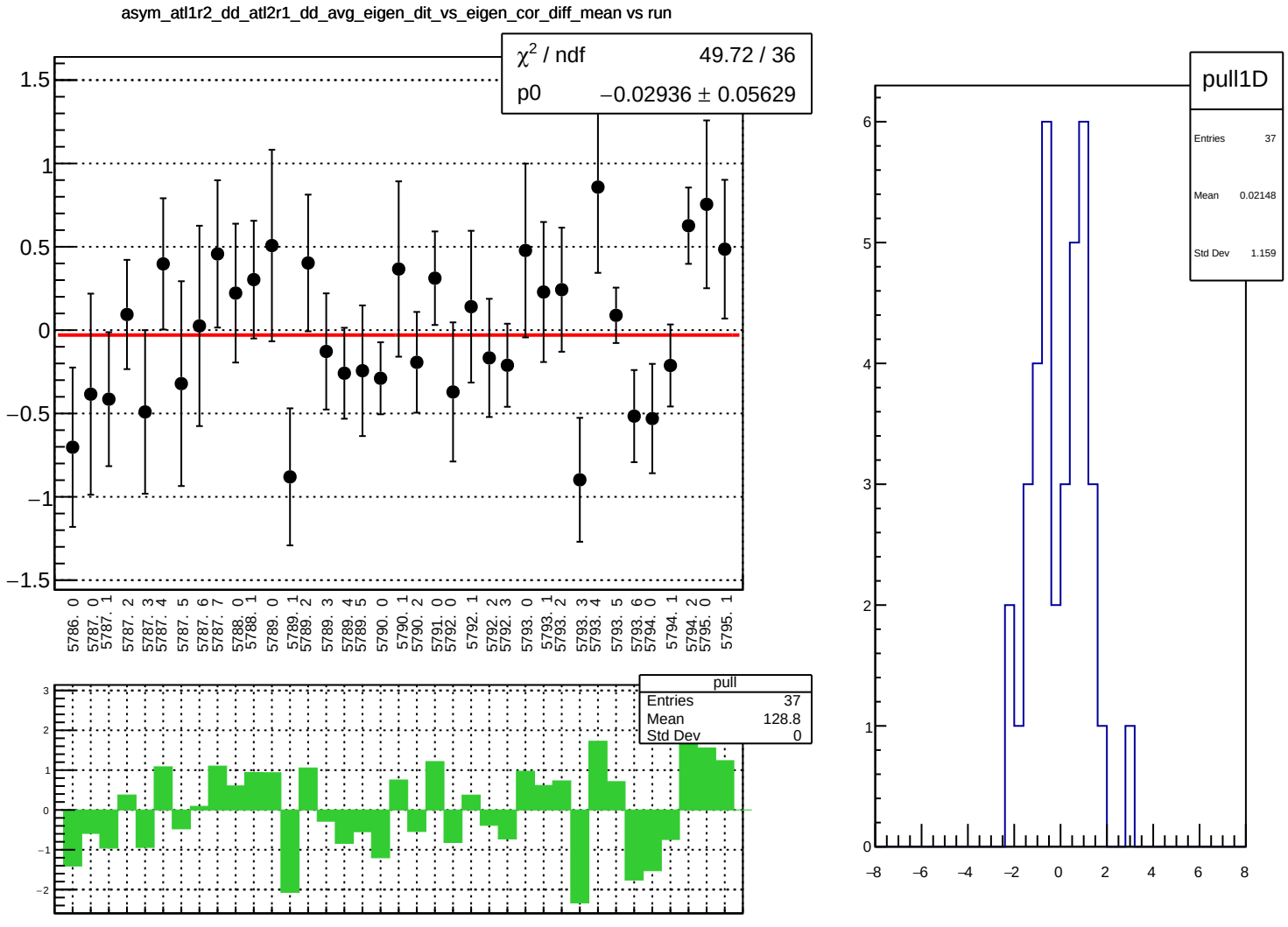

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.9 / 36
p0 −3.106e−06 ± 4.23e−06
pull
Entries 37
Mean 3.631e+04
Std Dev 0

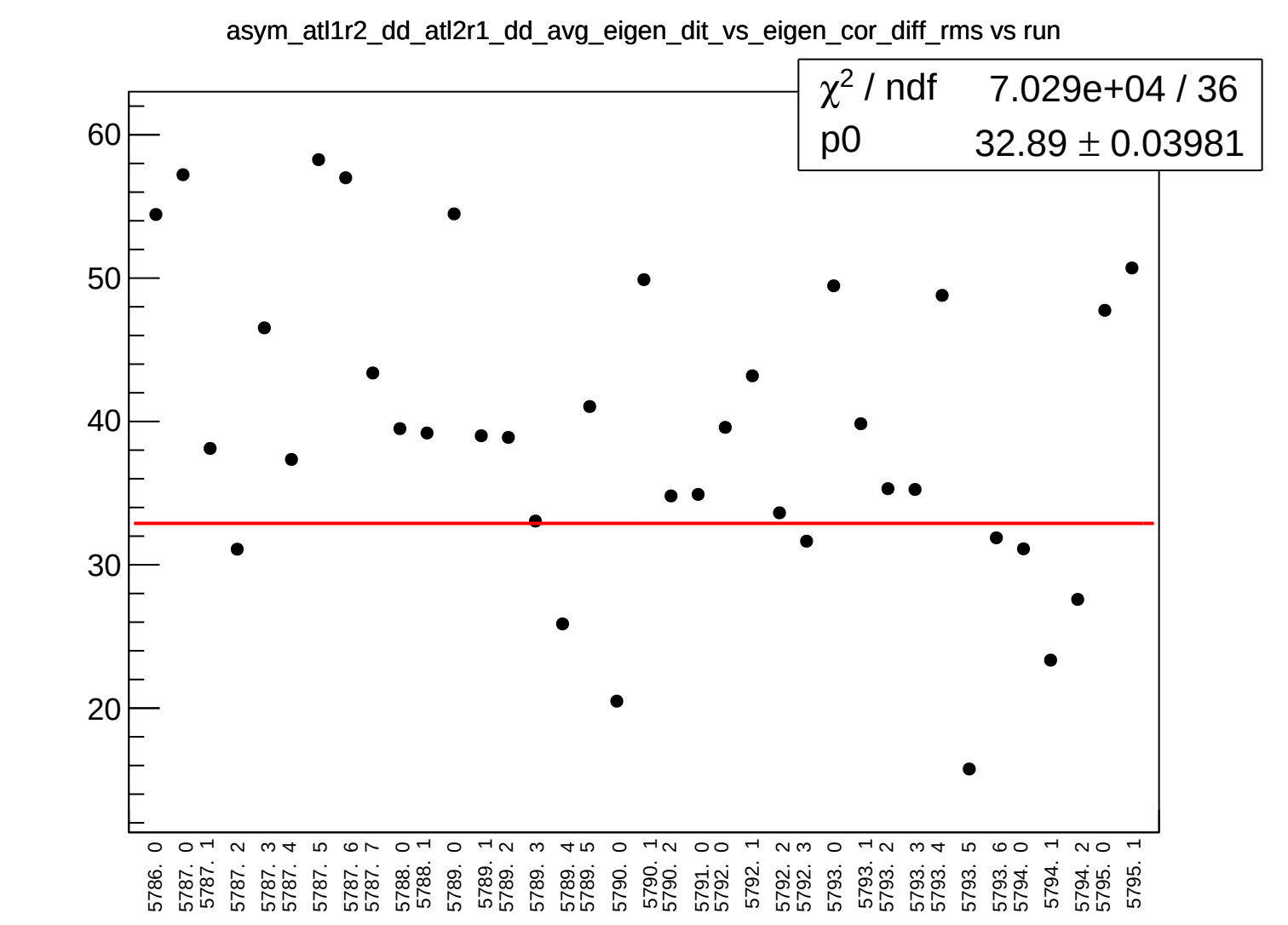

pull1D
Entries 37
Mean 2.586e−05
Std Dev 1.051

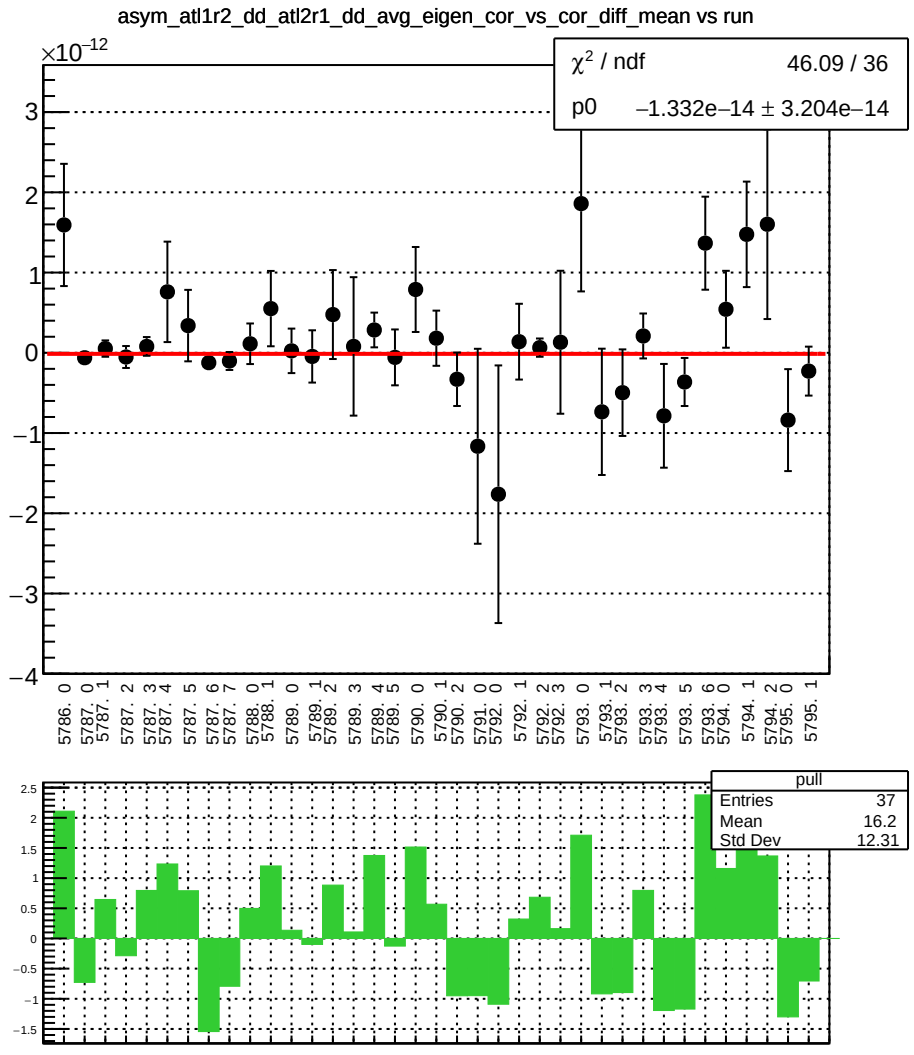

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1847 / 36
p0 0.002593 ± 2.991e−06
0.0028
0.0027
0.0026
0.0025
0.0024
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

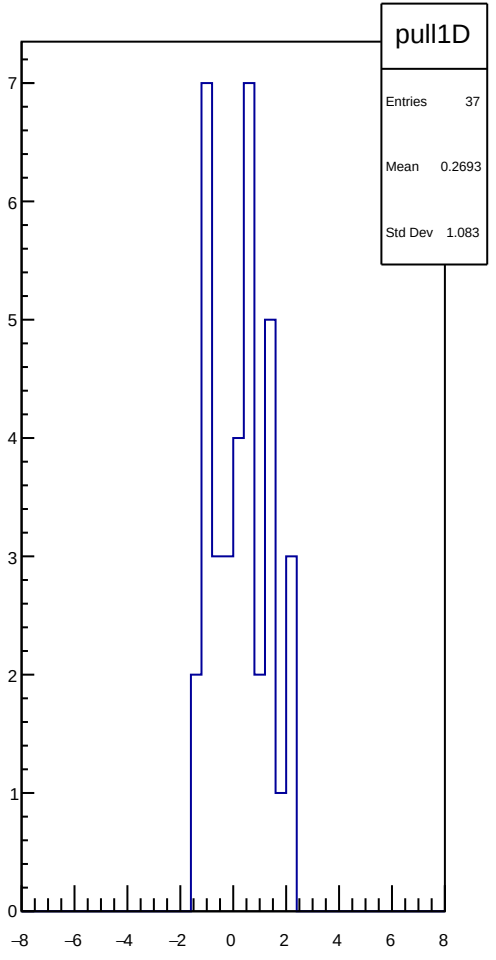

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
pull
Entries 37
Mean 128.8
Std Dev 0
pull1D
Entries 37
Mean 0.02148
Std Dev 1.159

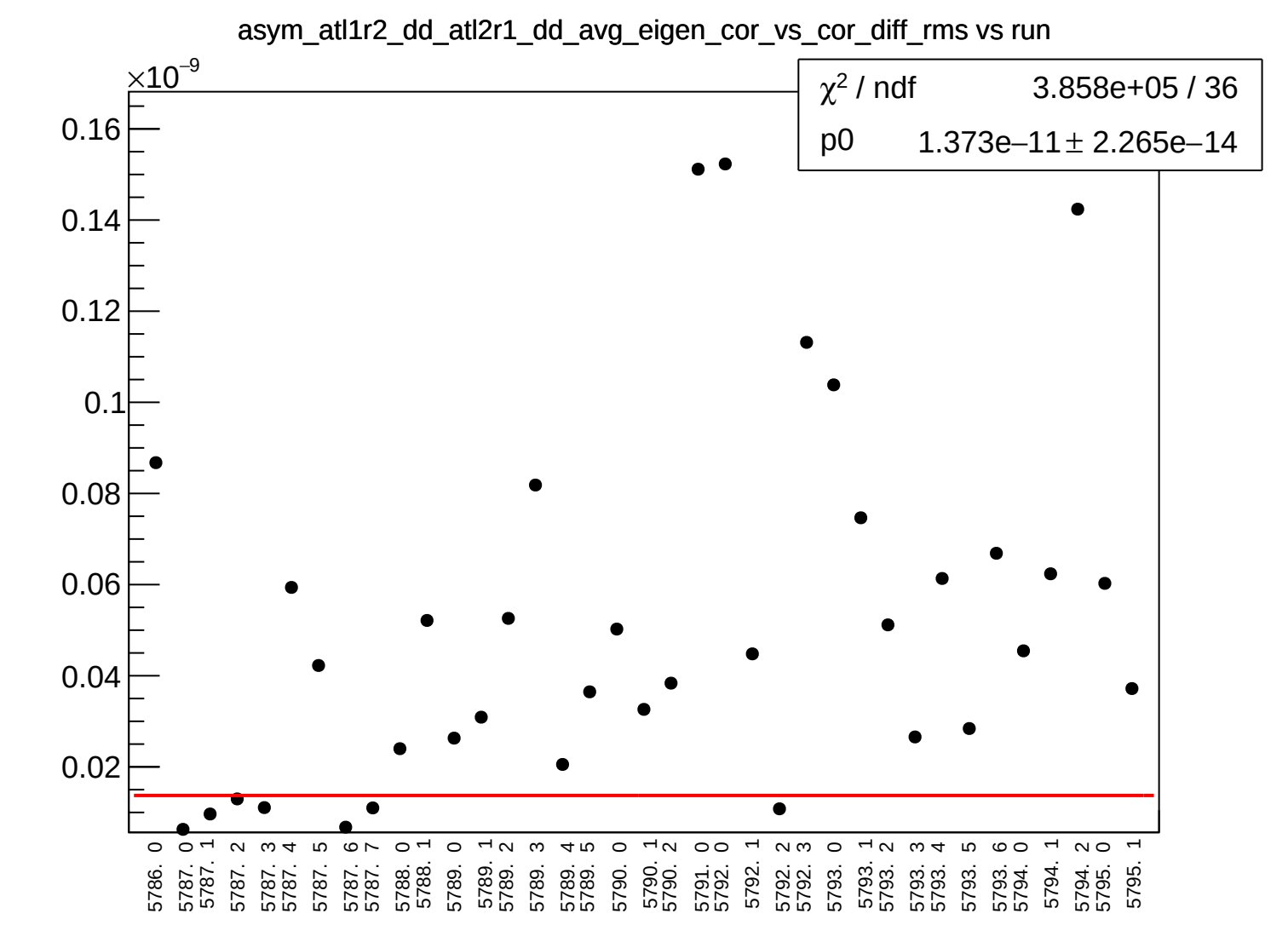

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

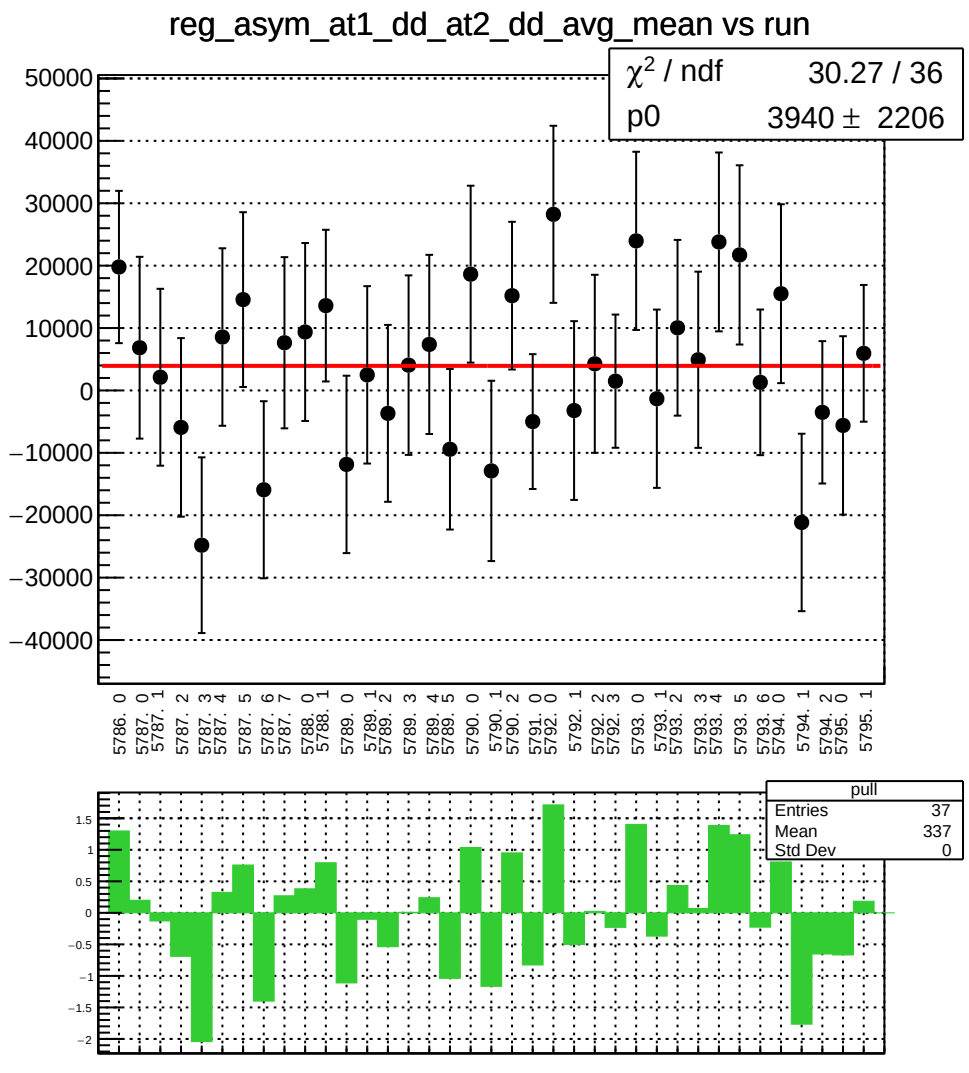

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.72 / 36
p0 −0.02936 ± 0.05629
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02148
Std Dev 1.159
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

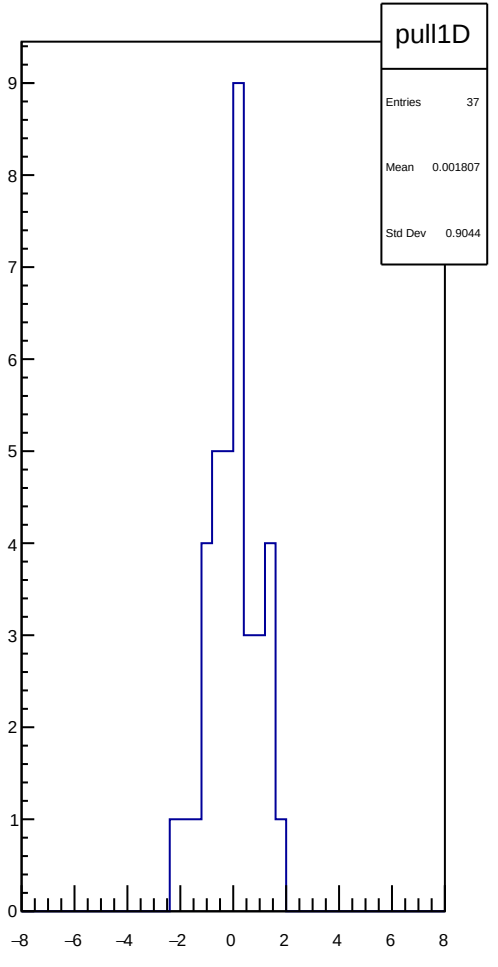

asym_atl1r2_dd_atl2r1_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ2 / ndf 7.029e+04 / 36
p0 32.89 ± 0.03981
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

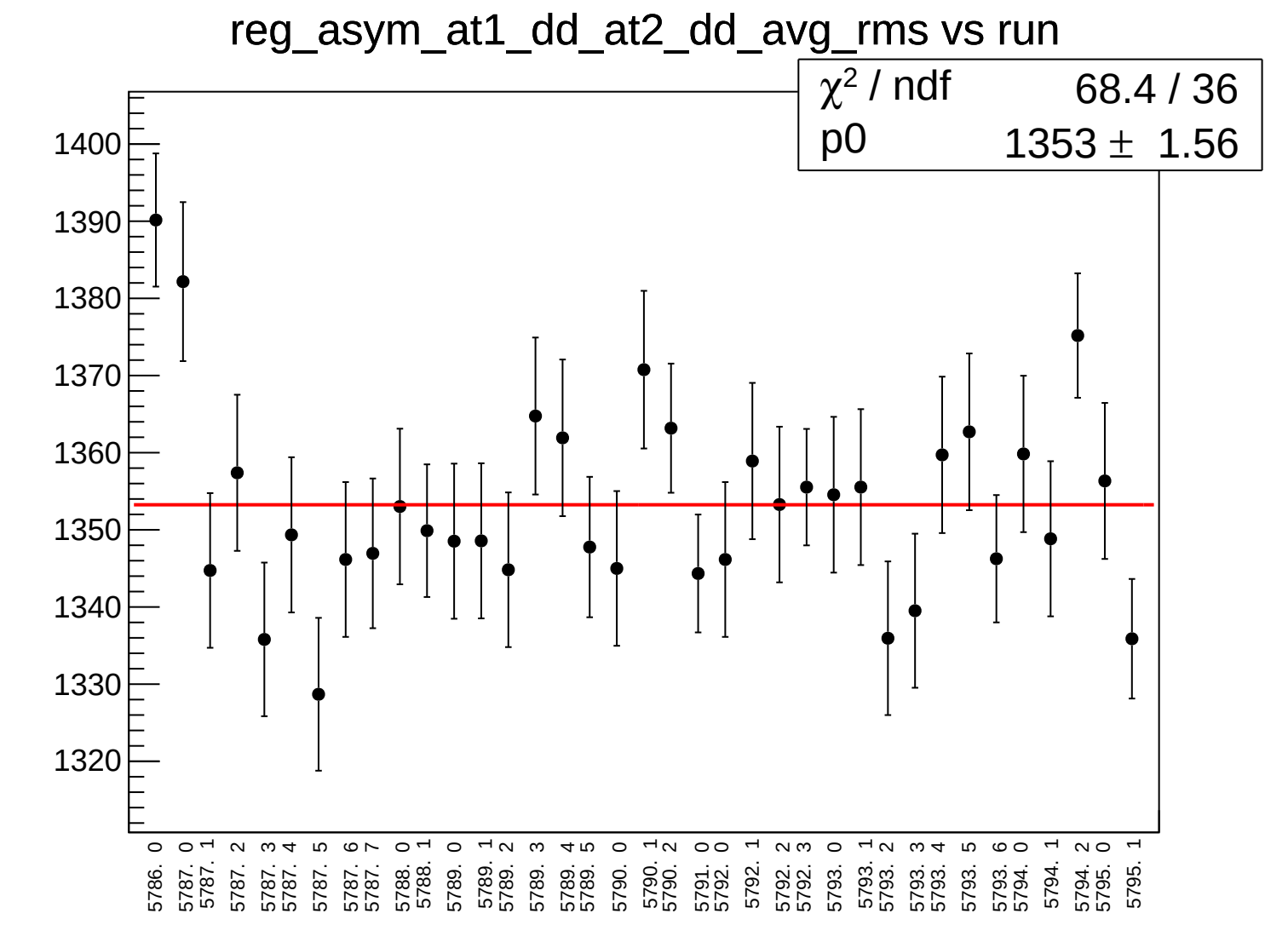

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.09 / 36
p0 −1.332e−14 ± 3.204e−14
pull
Entries 37
Mean 16.2
Std Dev 12.31

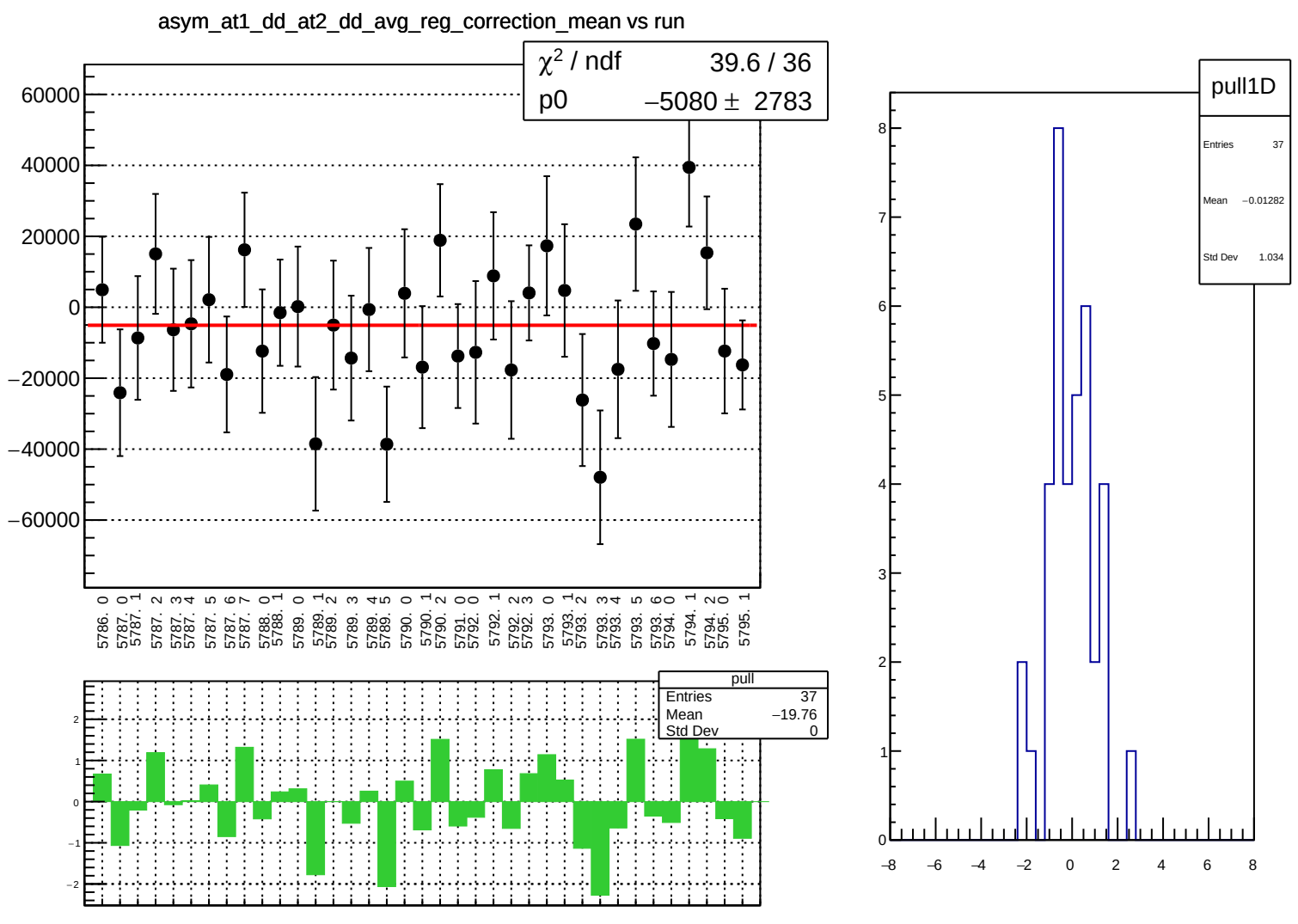

pull1D
Entries 37
Mean 0.2693
Std Dev 1.083

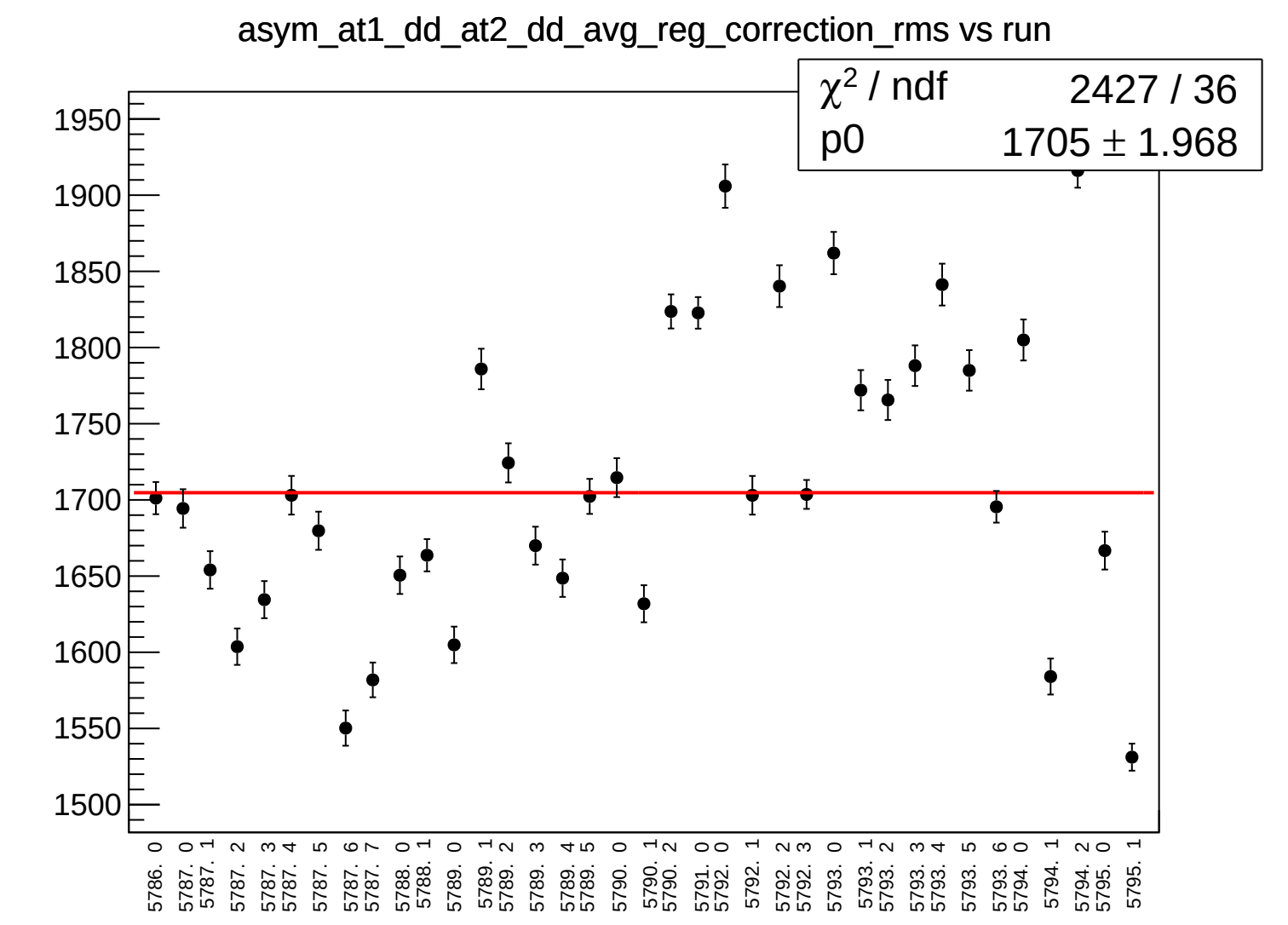

asym_atl1r2_dd_atl2r1_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.858e+05 / 36
p0 1.373e−11 ± 2.265e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

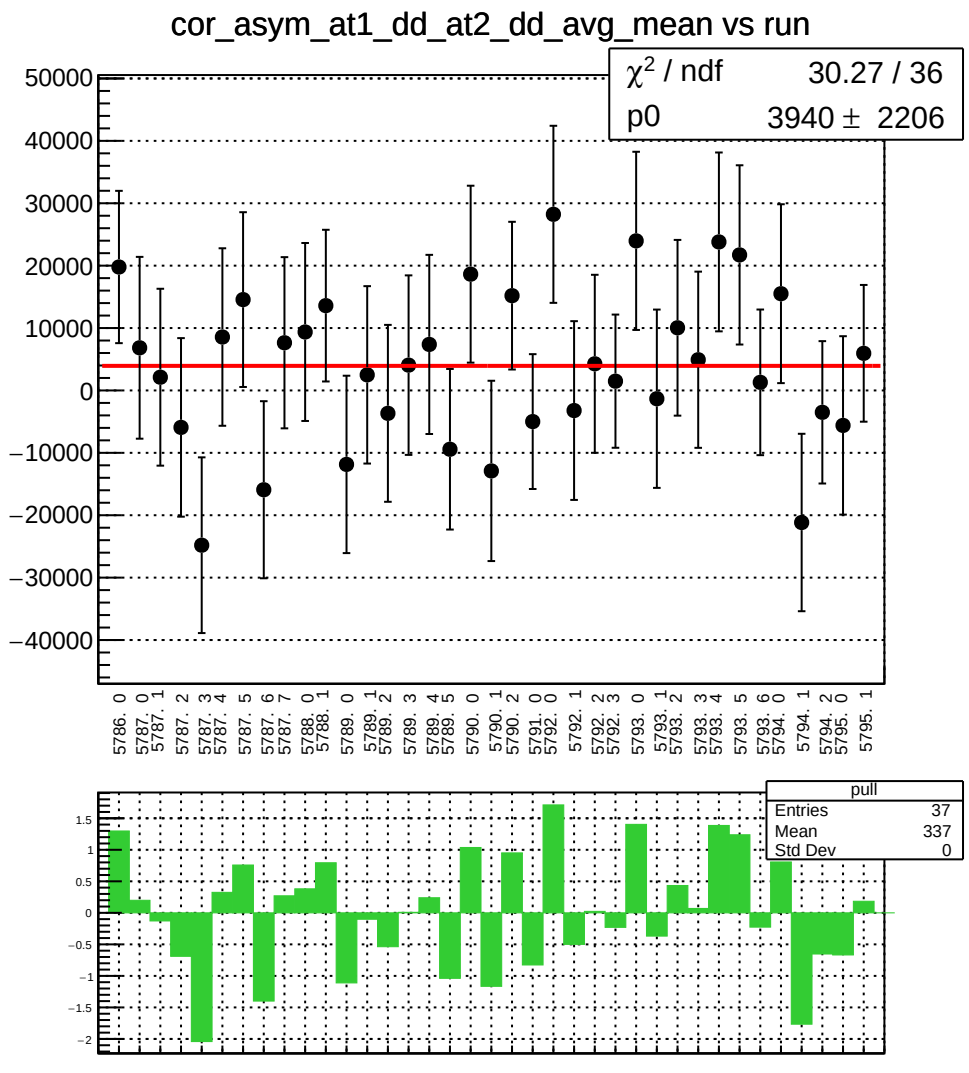

reg_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

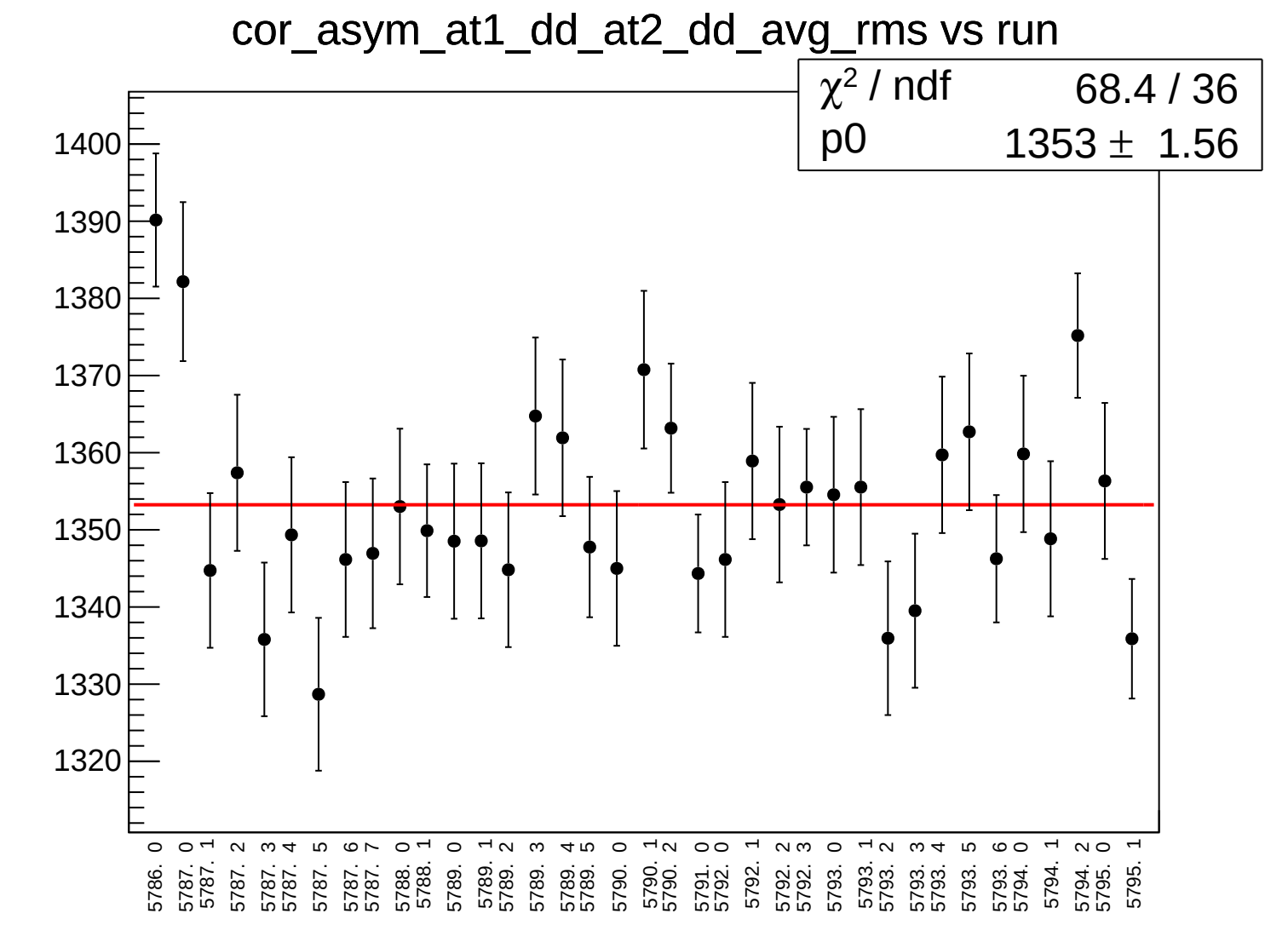

pull1D
Entries 37
Mean 0.001807
Std Dev 0.9044
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

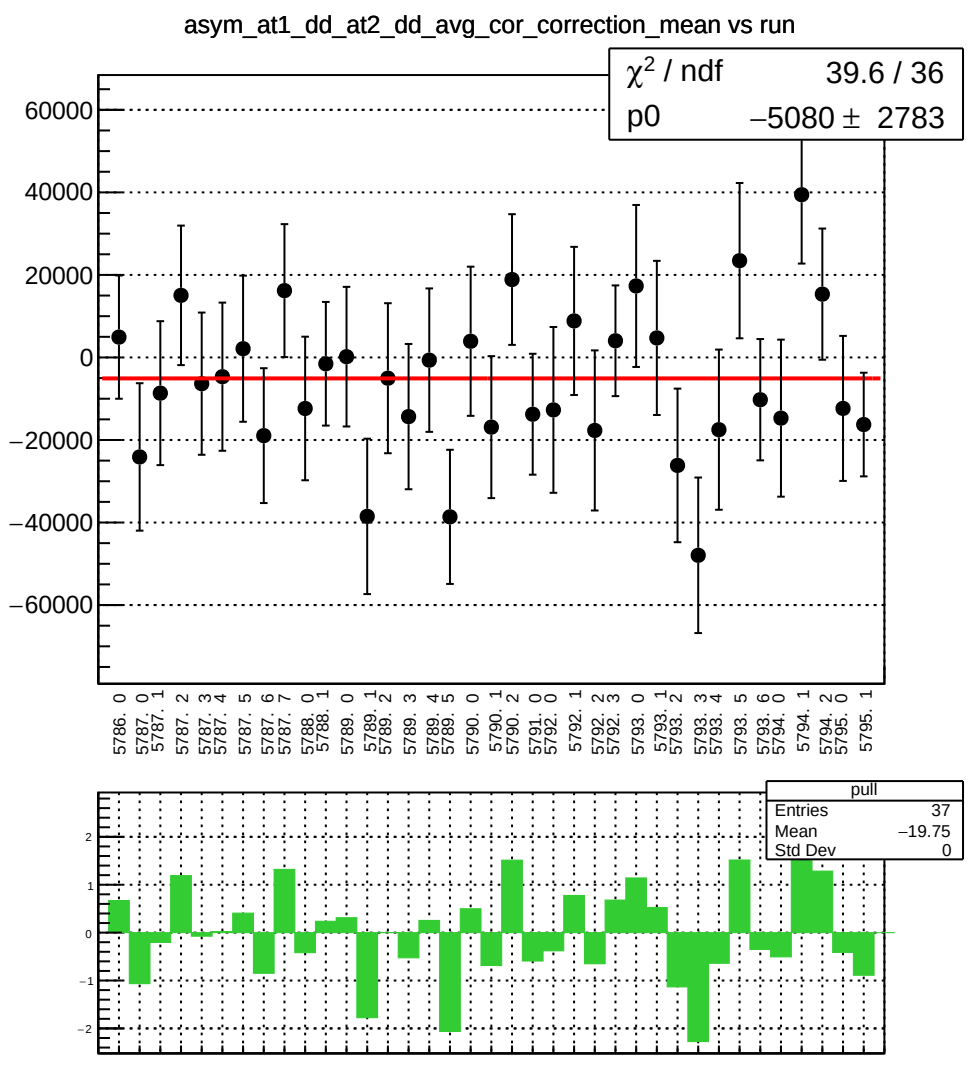

reg_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

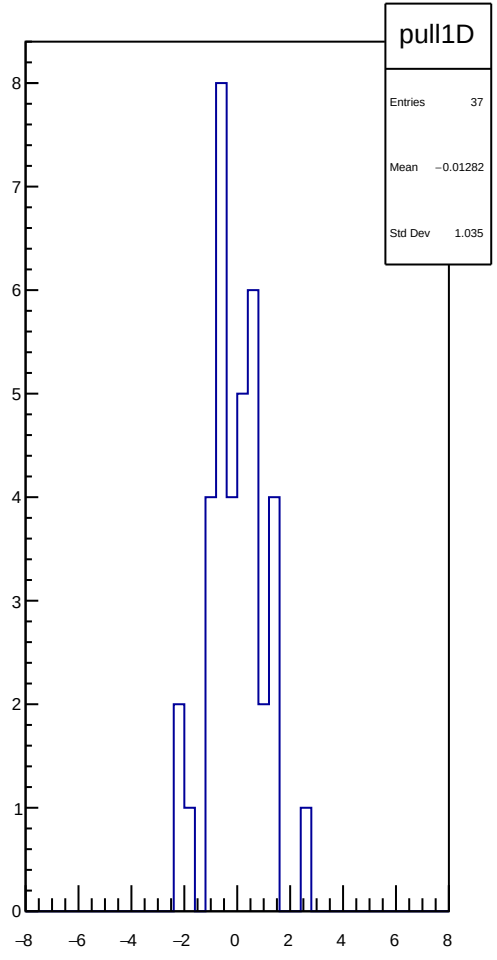

asym_at1_dd_at2_dd_avg_reg_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.76
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01282
Std Dev 1.034
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

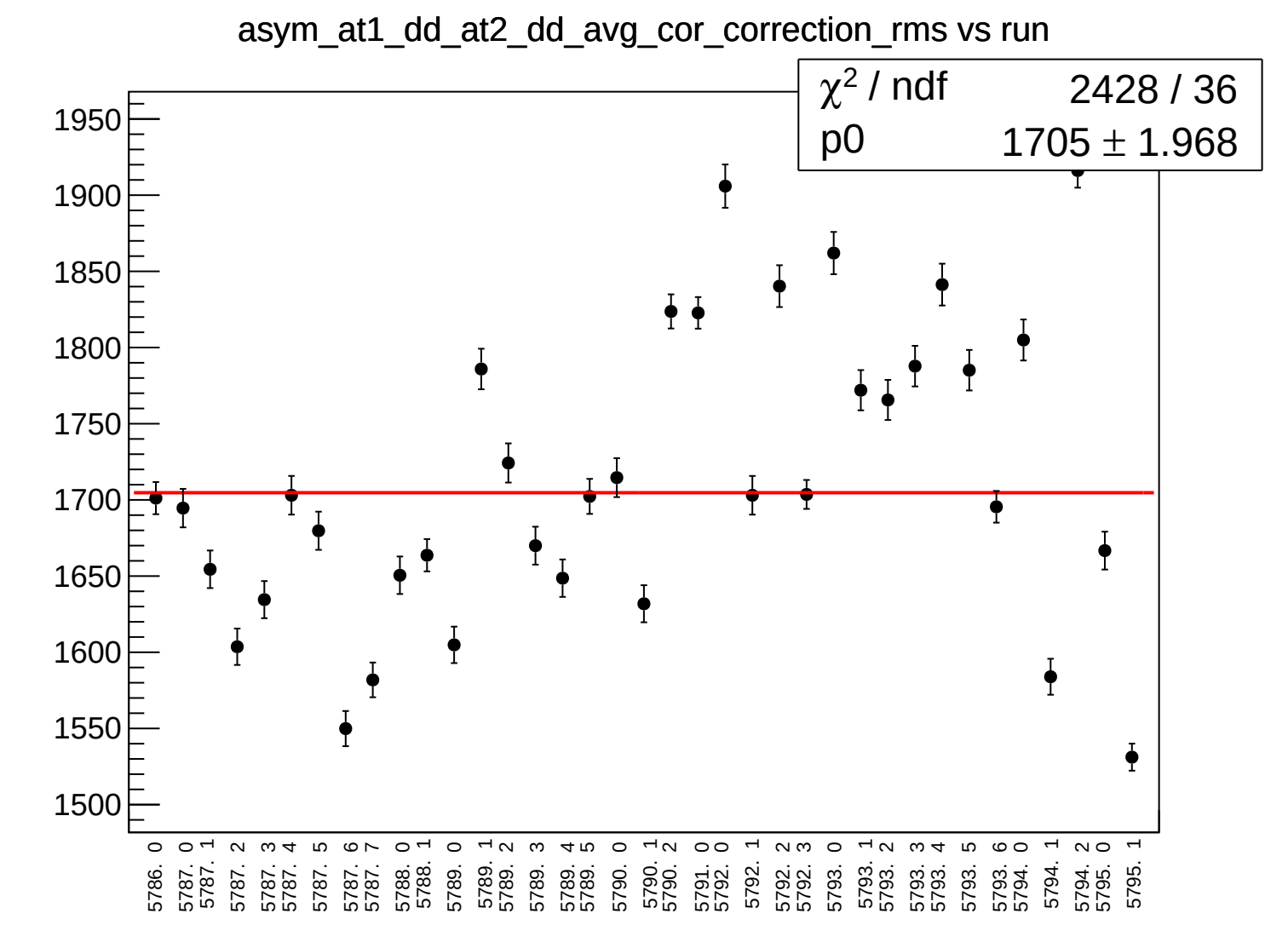

asym_at1_dd_at2_dd_avg_reg_correction_rms vs run
χ² / ndf 2427 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

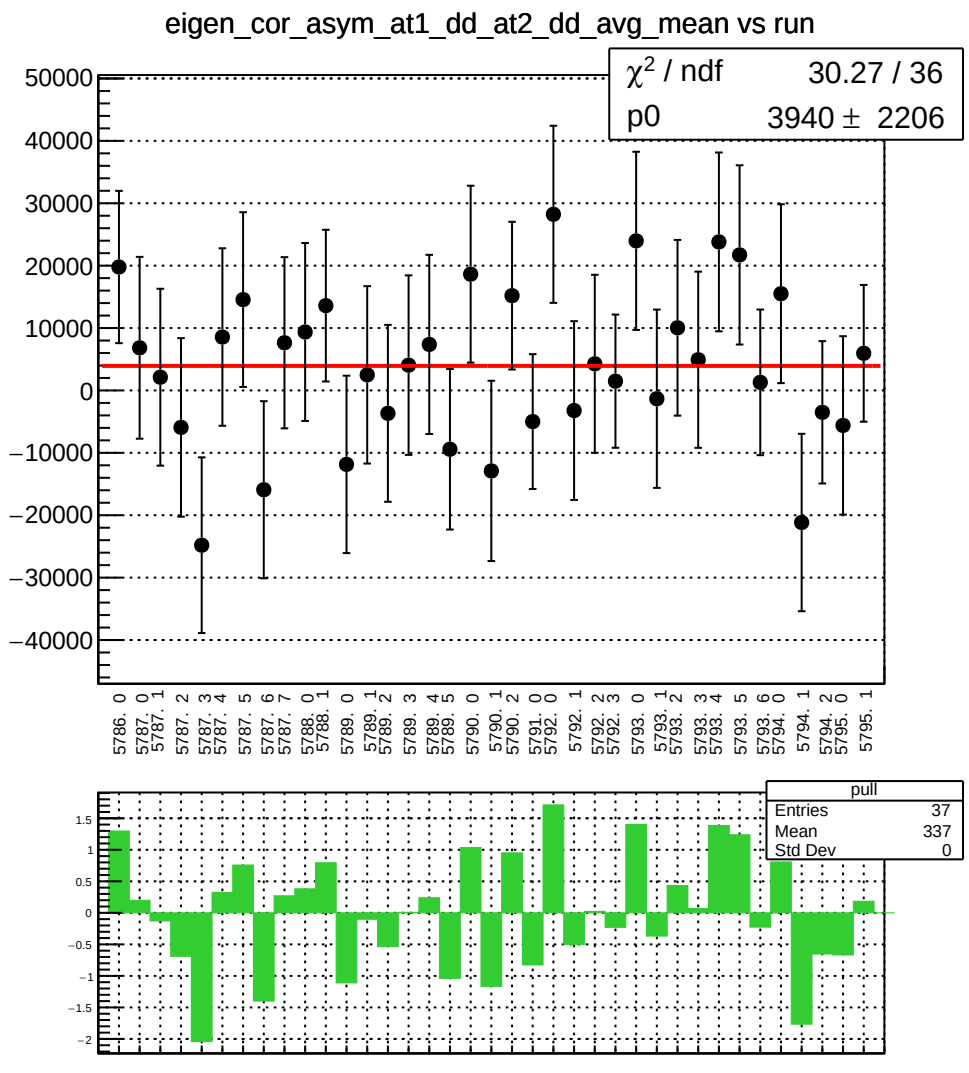

cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
pull
Entries 37
Mean 337
Std Dev 0
pull1D
Entries 37
Mean 0.001806
Std Dev 0.9045

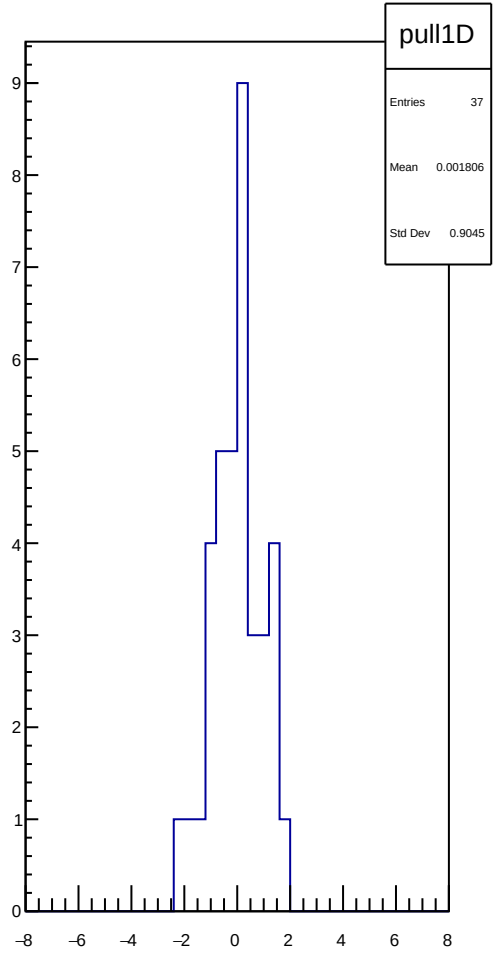

cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

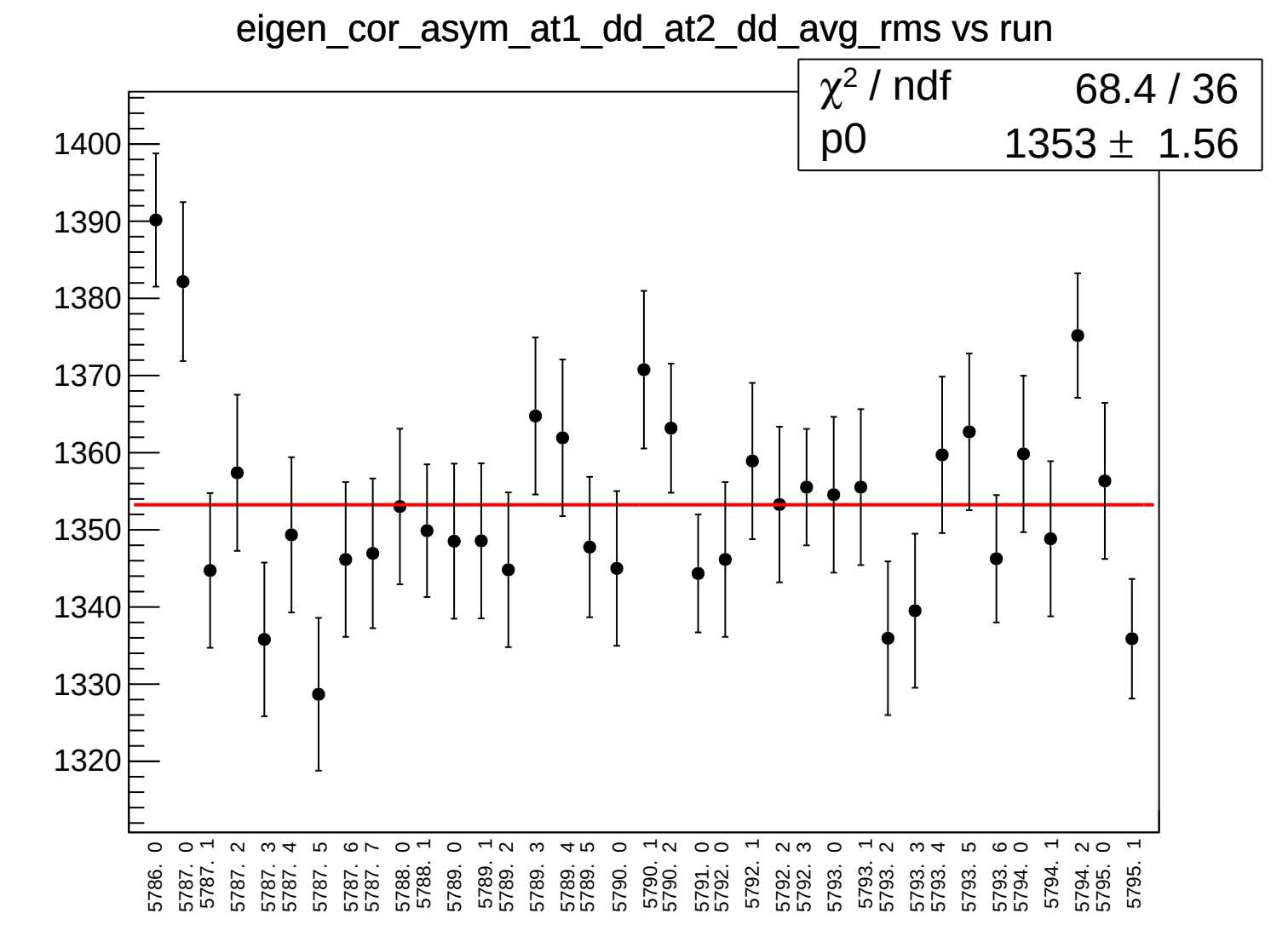

asym_at1_dd_at2_dd_avg_cor_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.75
Std Dev 0
2
1
0
−1
−2

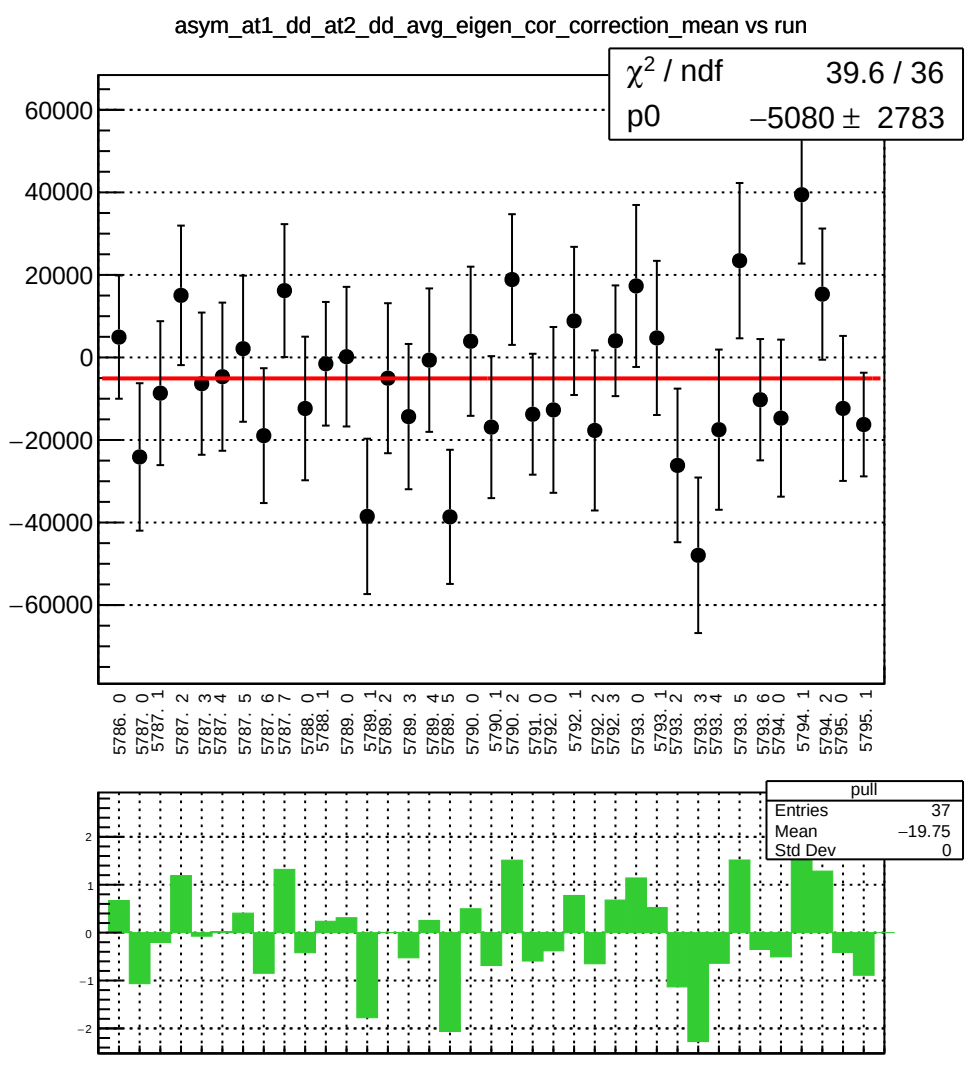

pull1D
Entries 37
Mean −0.01282
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

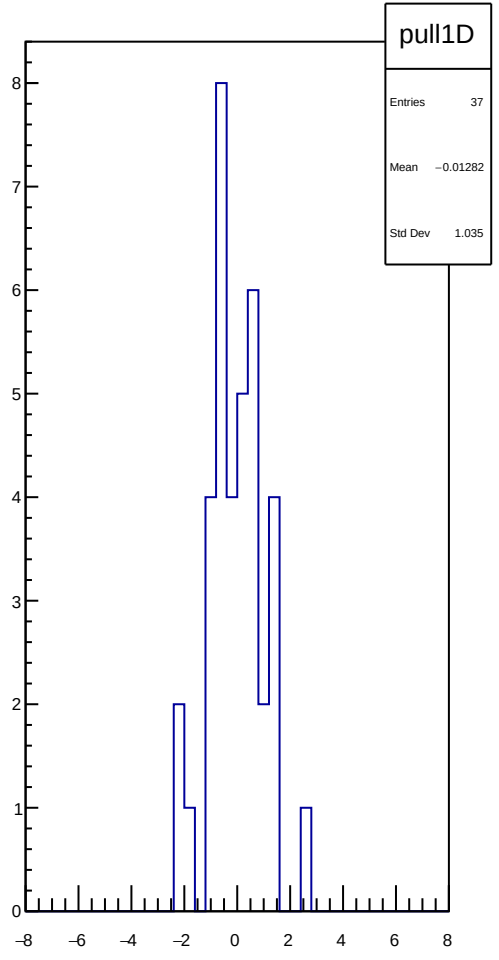

asym_at1_dd_at2_dd_avg_cor_correction_rms vs run
χ² / ndf 2428 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

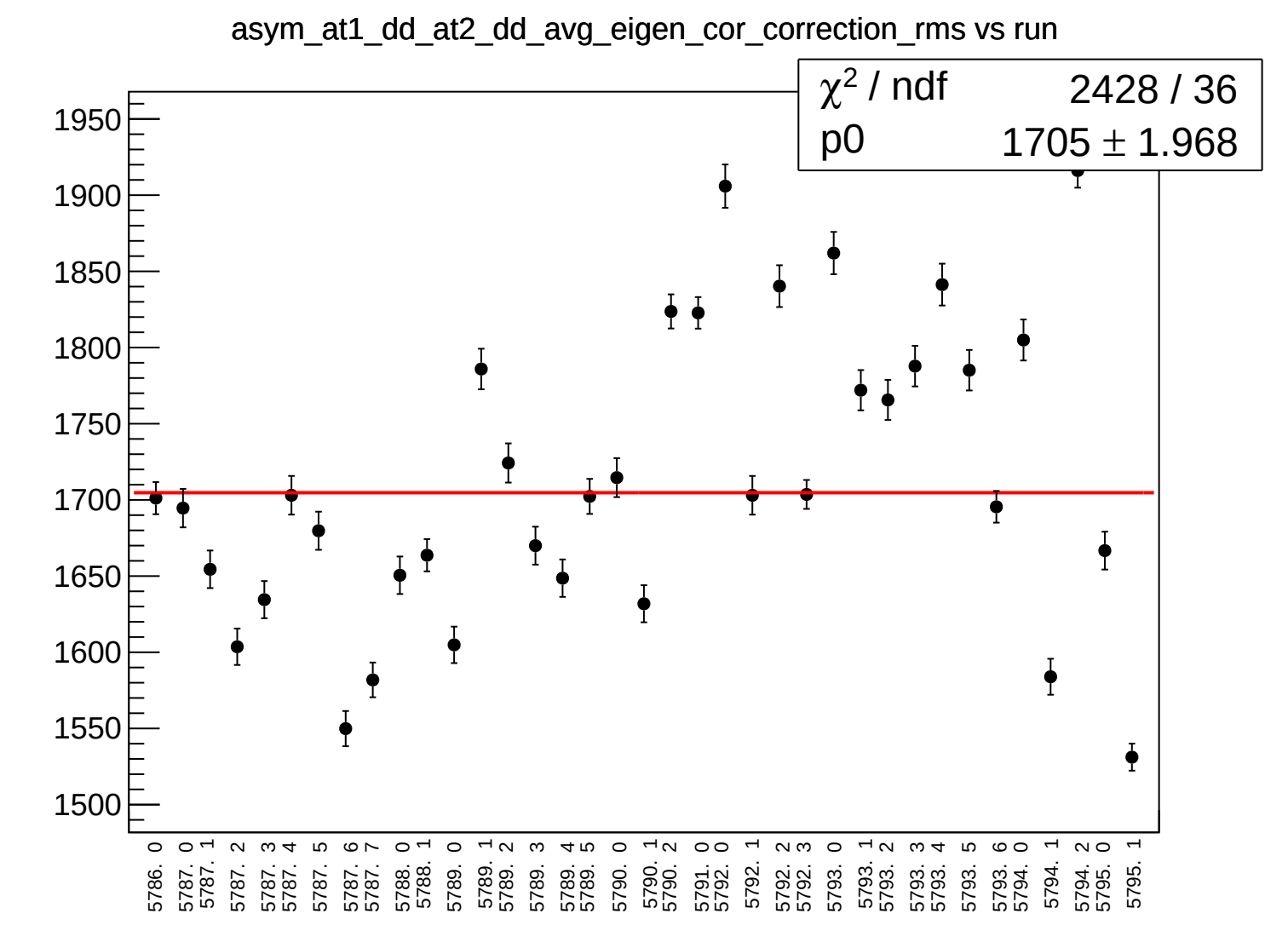

eigen_cor_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 30.27 / 36
p0 3940 ± 2206
pull
Entries 37
Mean 337
Std Dev 0

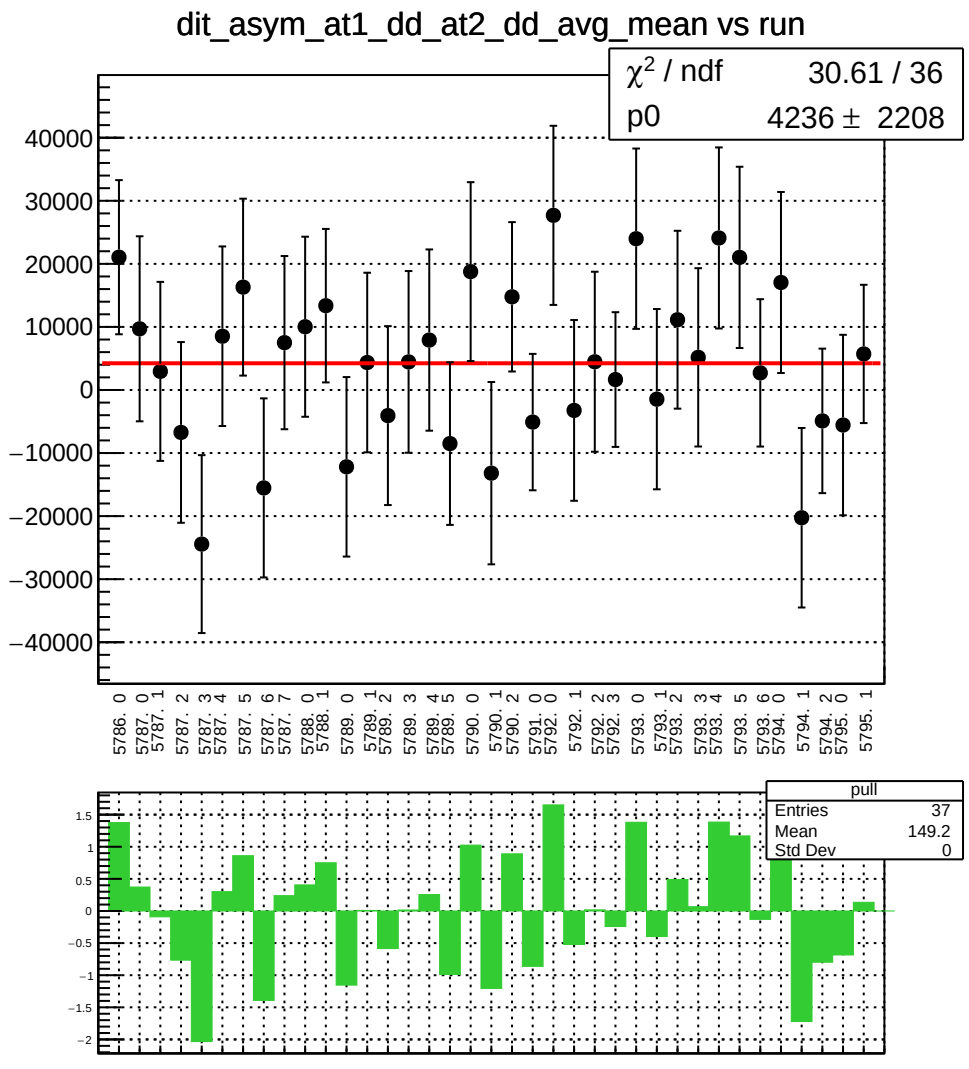

pull1D
Entries 37
Mean 0.001806
Std Dev 0.9045

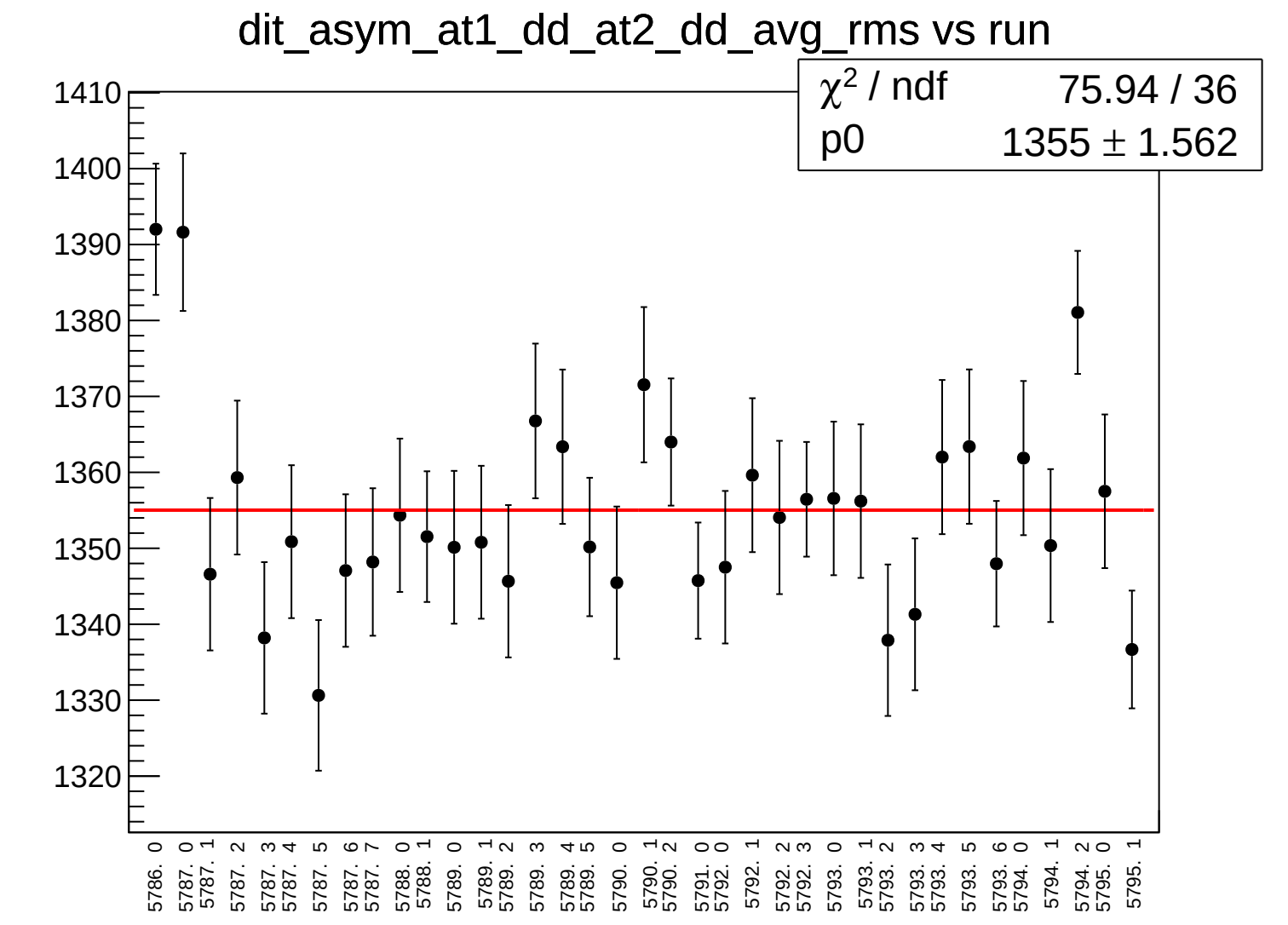

eigen_cor_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 68.4 / 36
p0 1353 ± 1.56
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

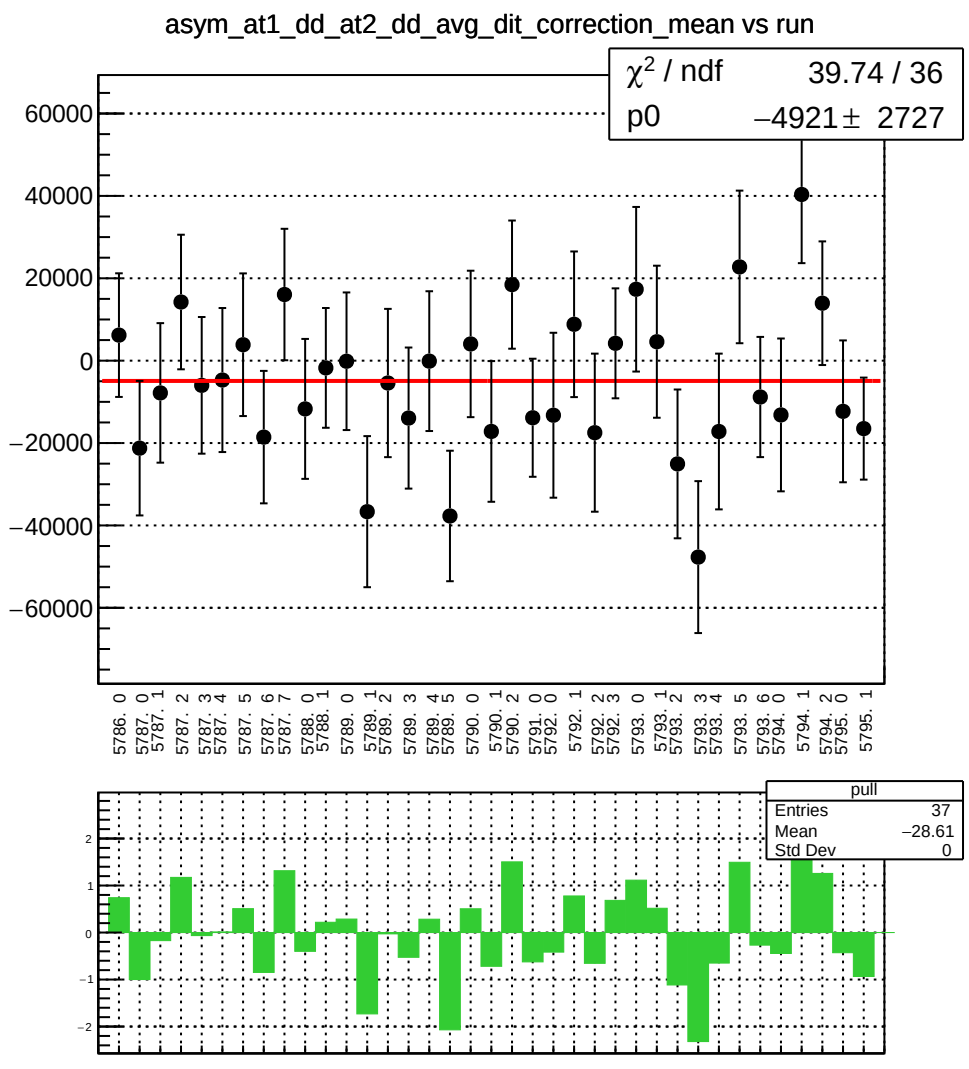

asym_at1_dd_at2_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 39.6 / 36
p0 −5080 ± 2783
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.75
Std Dev 0
2
1
0
−1
−2

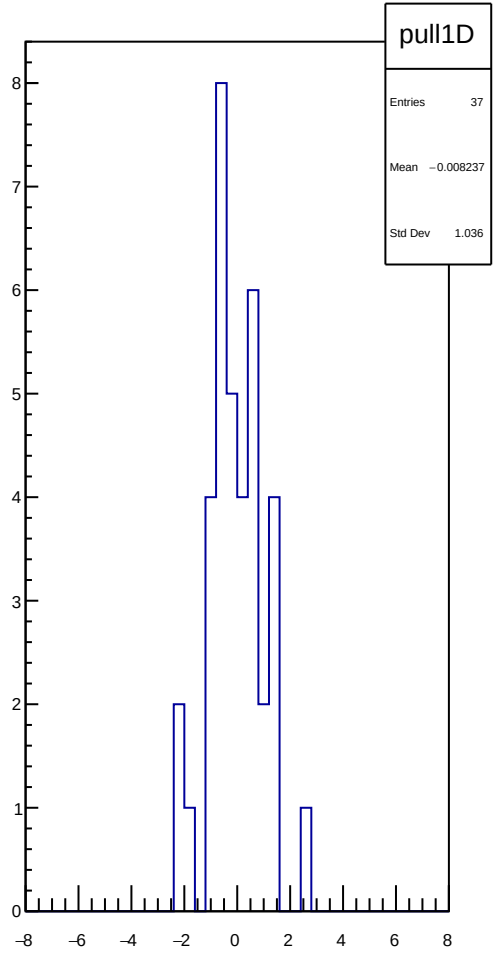

pull1D
Entries 37
Mean −0.01282
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

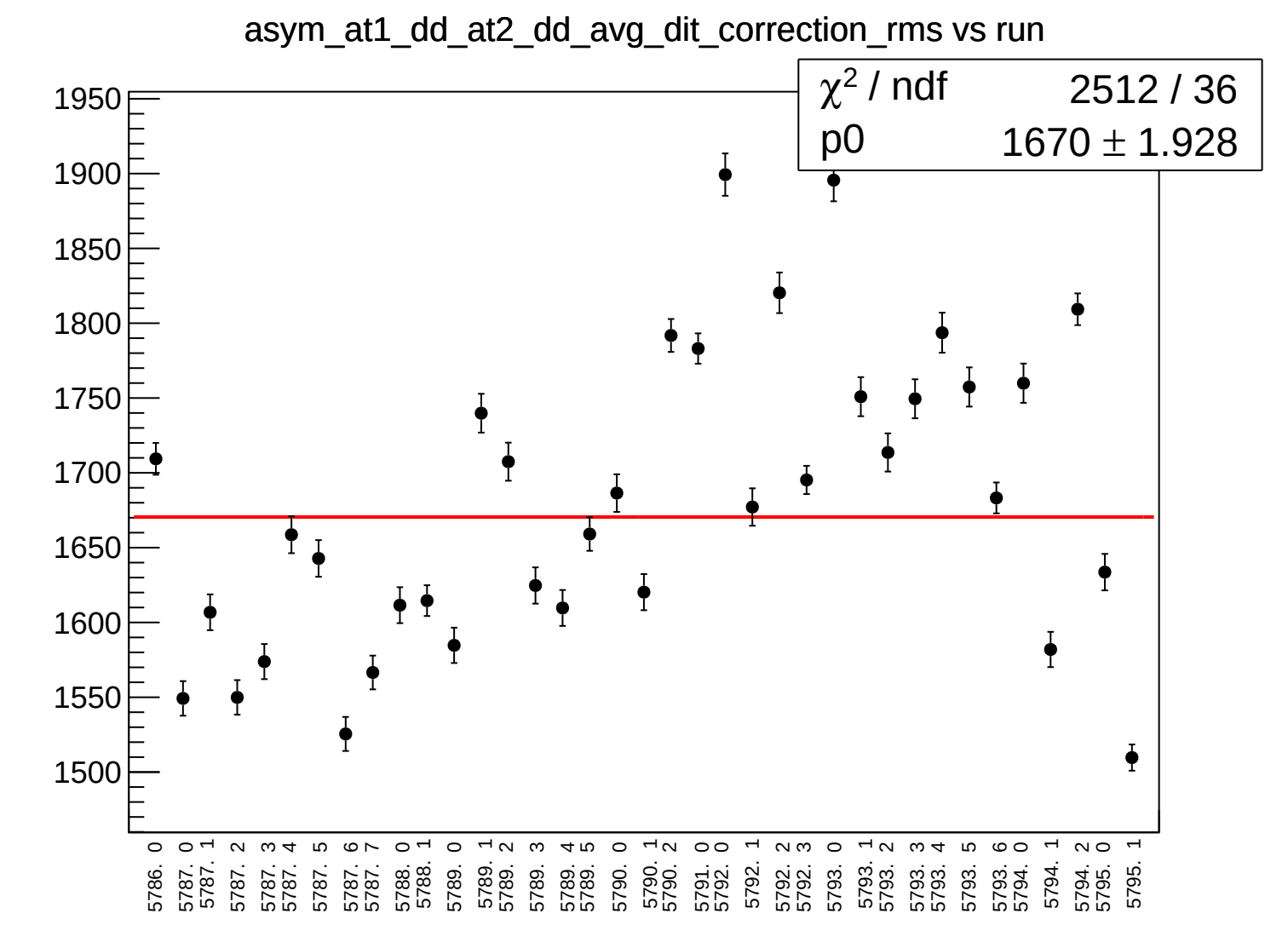

asym_at1_dd_at2_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2428 / 36
p0 1705 ± 1.968
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

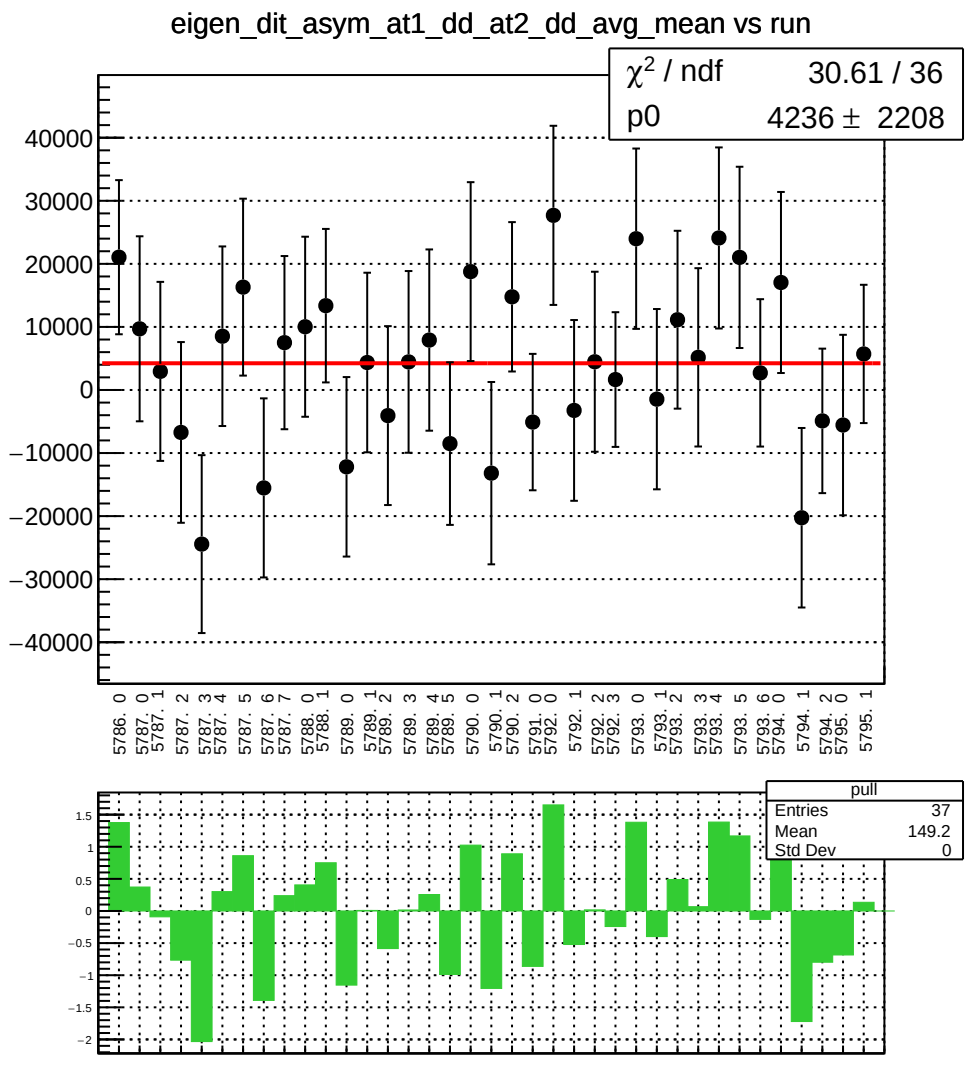

dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 30.61 / 36
p0 4236 ± 2208
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003075
Std Dev 0.9096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

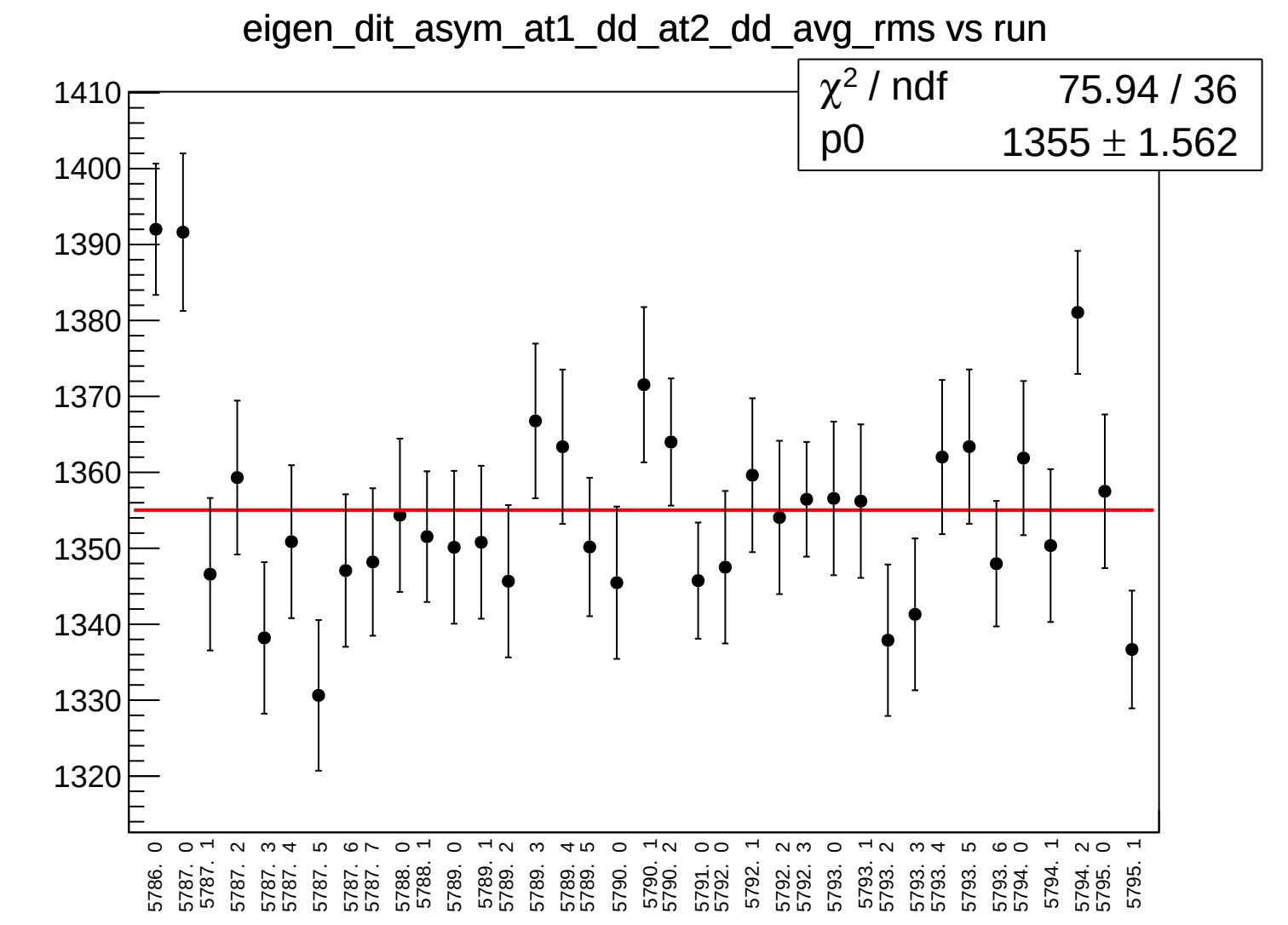

dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 75.94 / 36
p0 1355 ± 1.562
1410
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

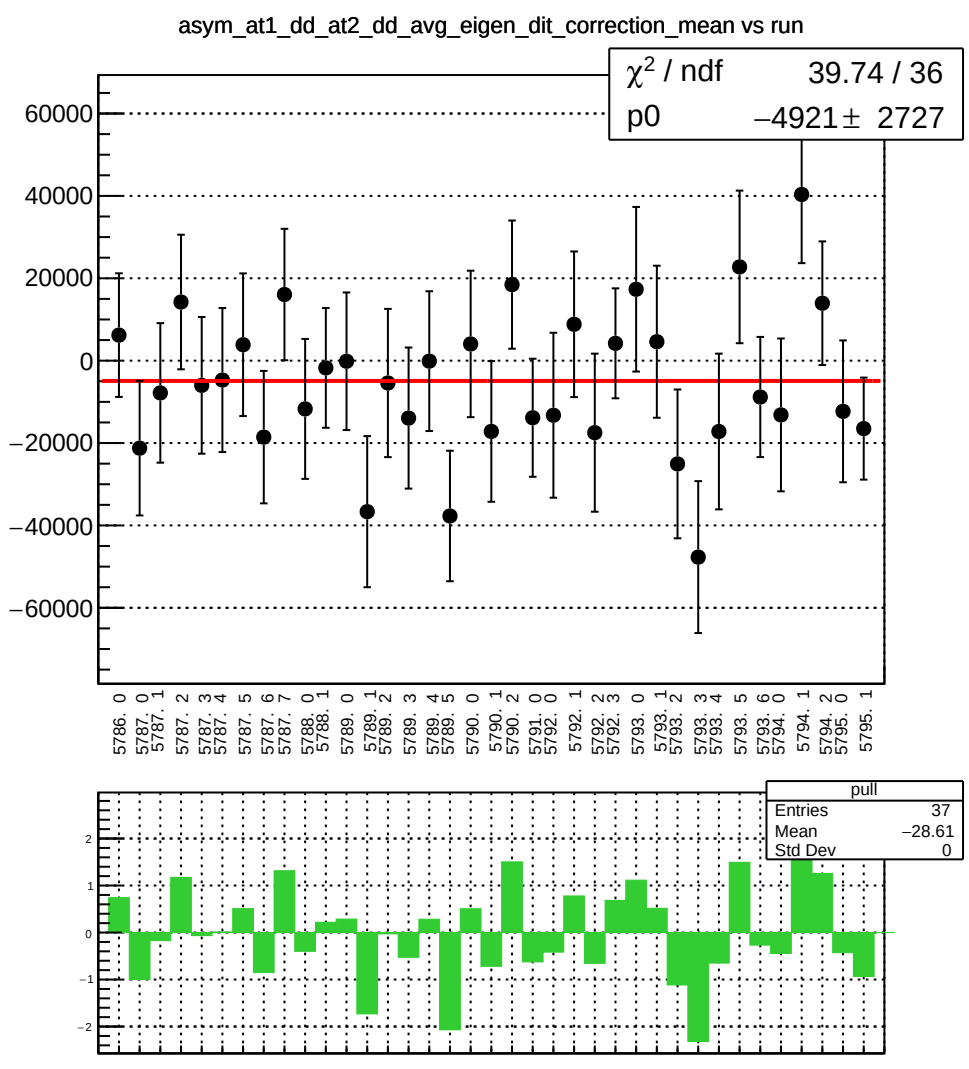

asym_at1_dd_at2_dd_avg_dit_correction_mean vs run
χ² / ndf 39.74 / 36
p0 −4921 ± 2727
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.61
Std Dev 0
2
1
0
−1
−2

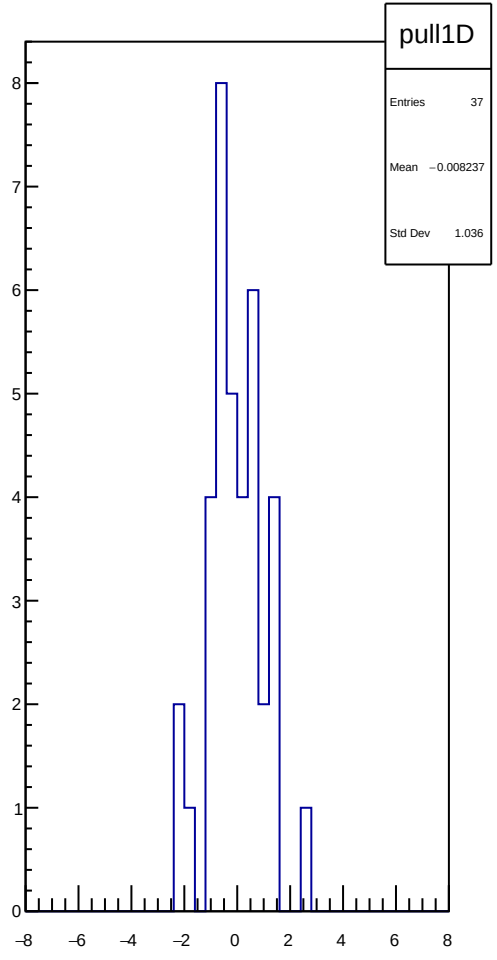

pull1D
Entries 37
Mean −0.008237
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

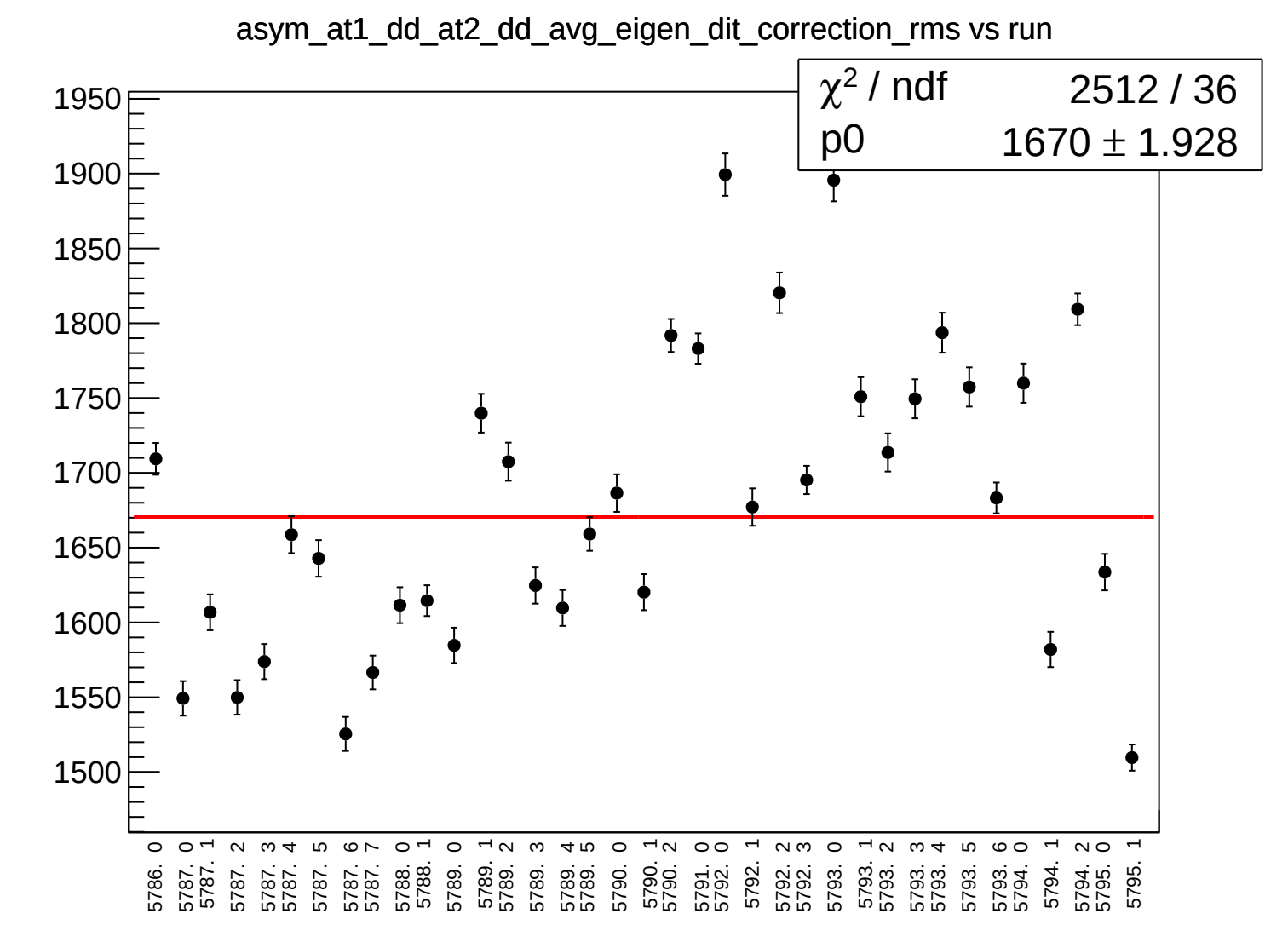

asym_at1_dd_at2_dd_avg_dit_correction_rms vs run
χ² / ndf 2512 / 36
p0 1670 ± 1.928
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

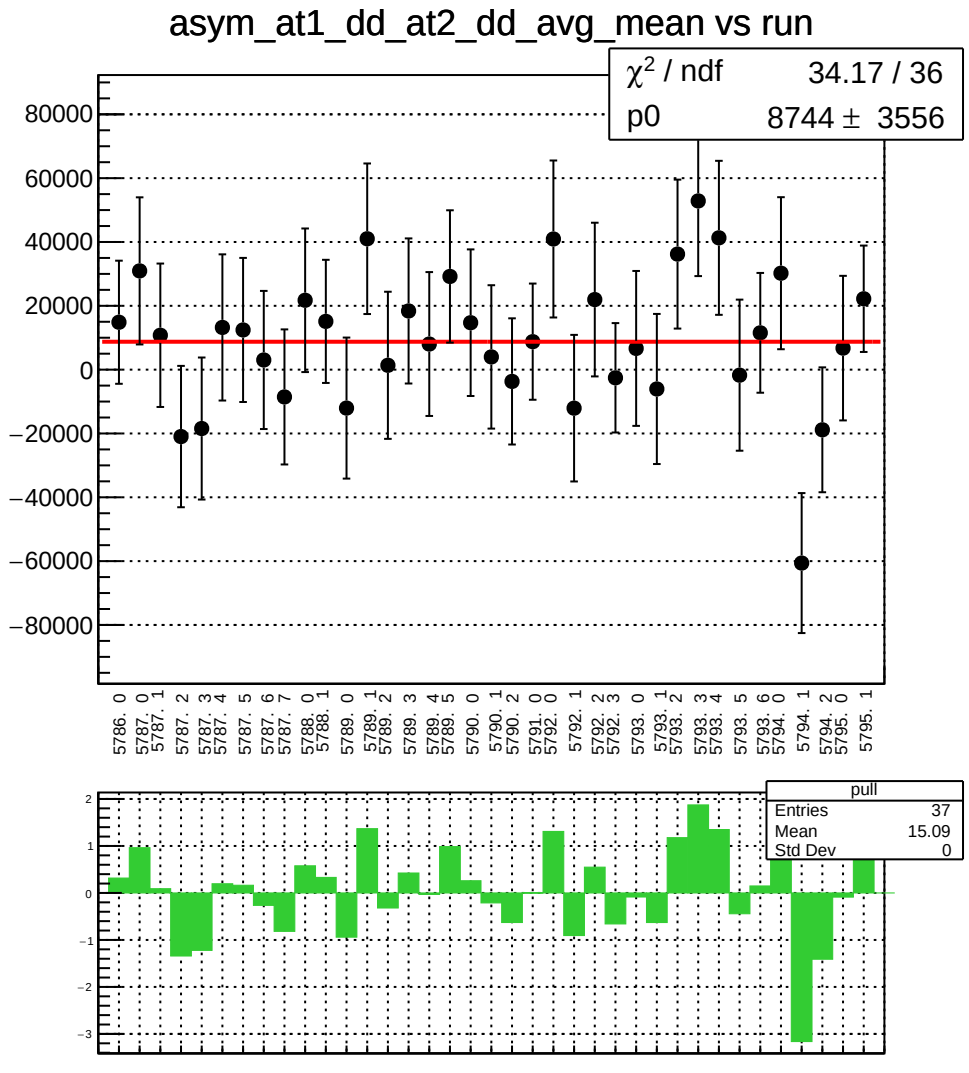

eigen_dit_asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 30.61 / 36
p0 4236 ± 2208
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003075
Std Dev 0.9096
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

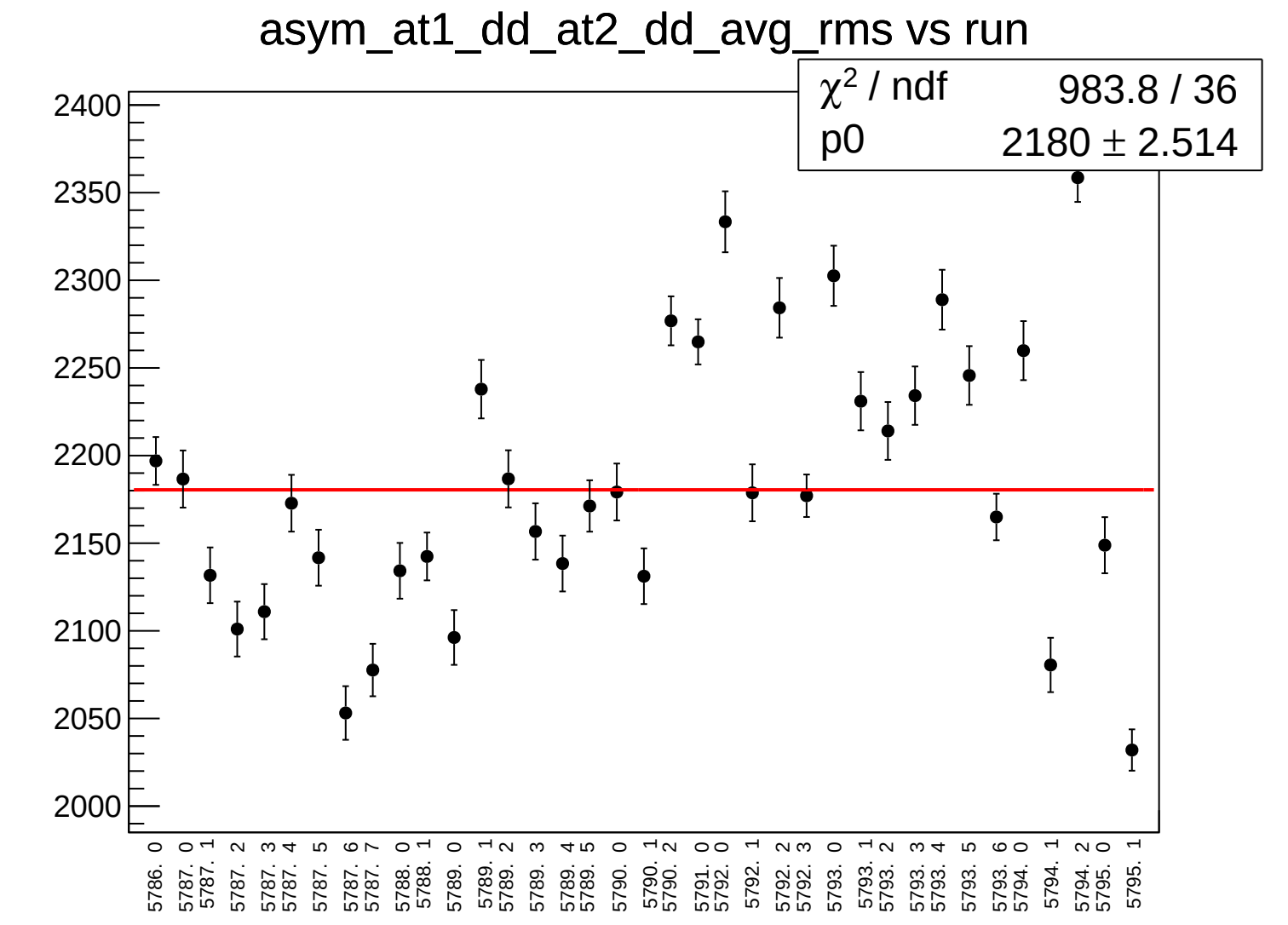

eigen_dit_asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 75.94 / 36
p0 1355 ± 1.562
1410
1400
1390
1380
1370
1360
1350
1340
1330
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

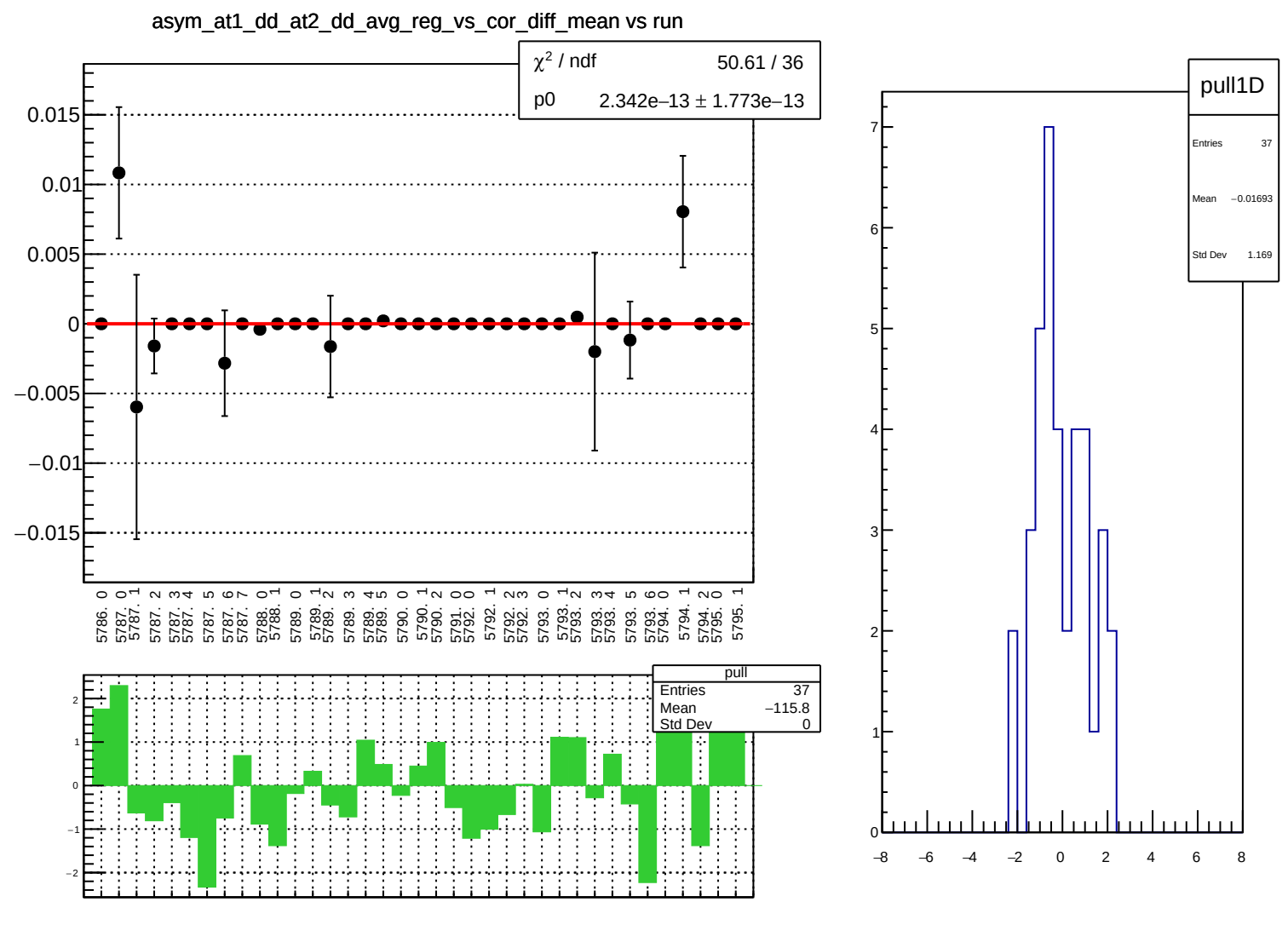

asym_at1_dd_at2_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 39.74 / 36
p0 −4921 ± 2727
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.61
Std Dev 0
2
1
0
−1
−2

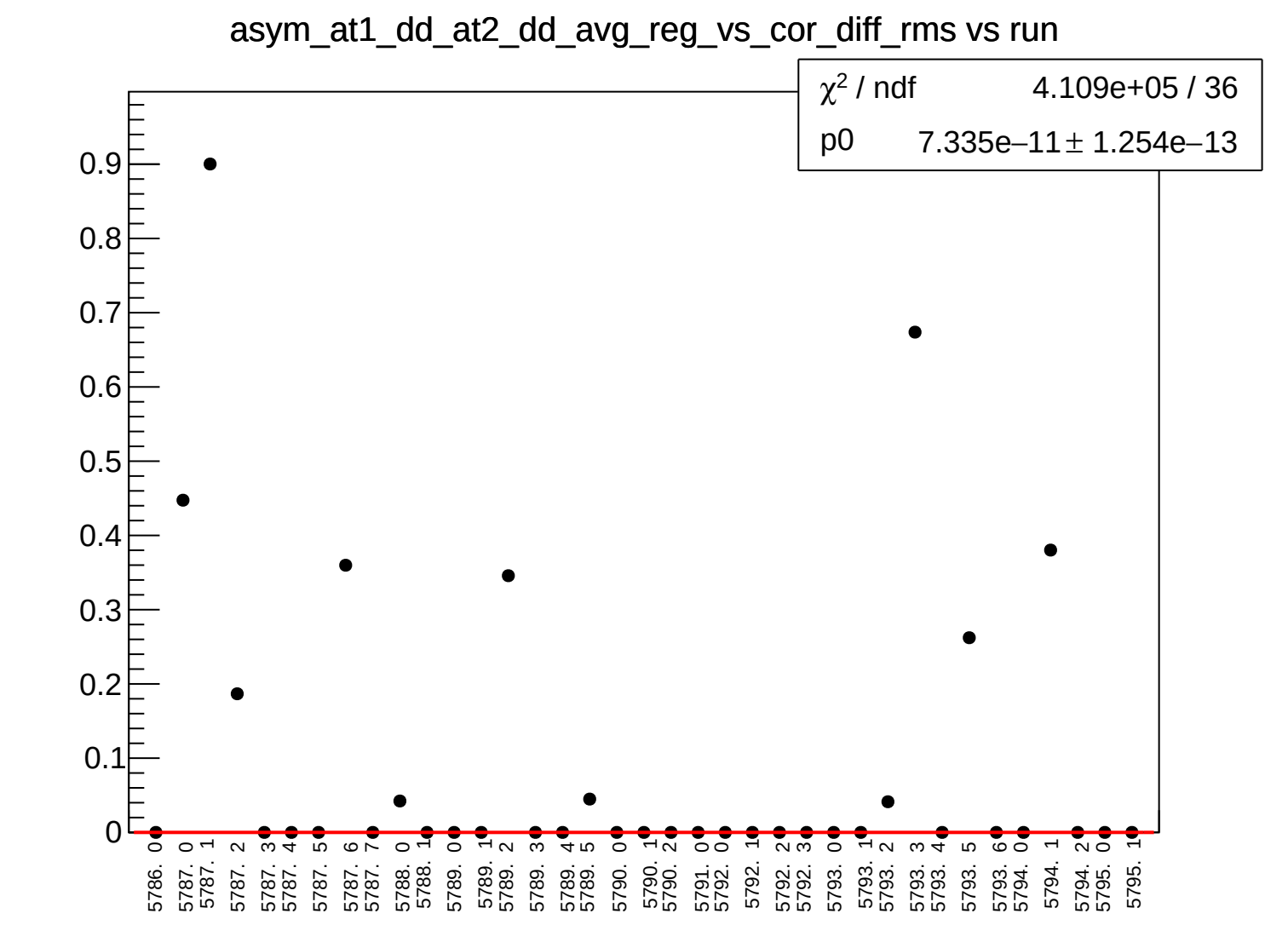

pull1D
Entries 37
Mean −0.008237
Std Dev 1.036
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

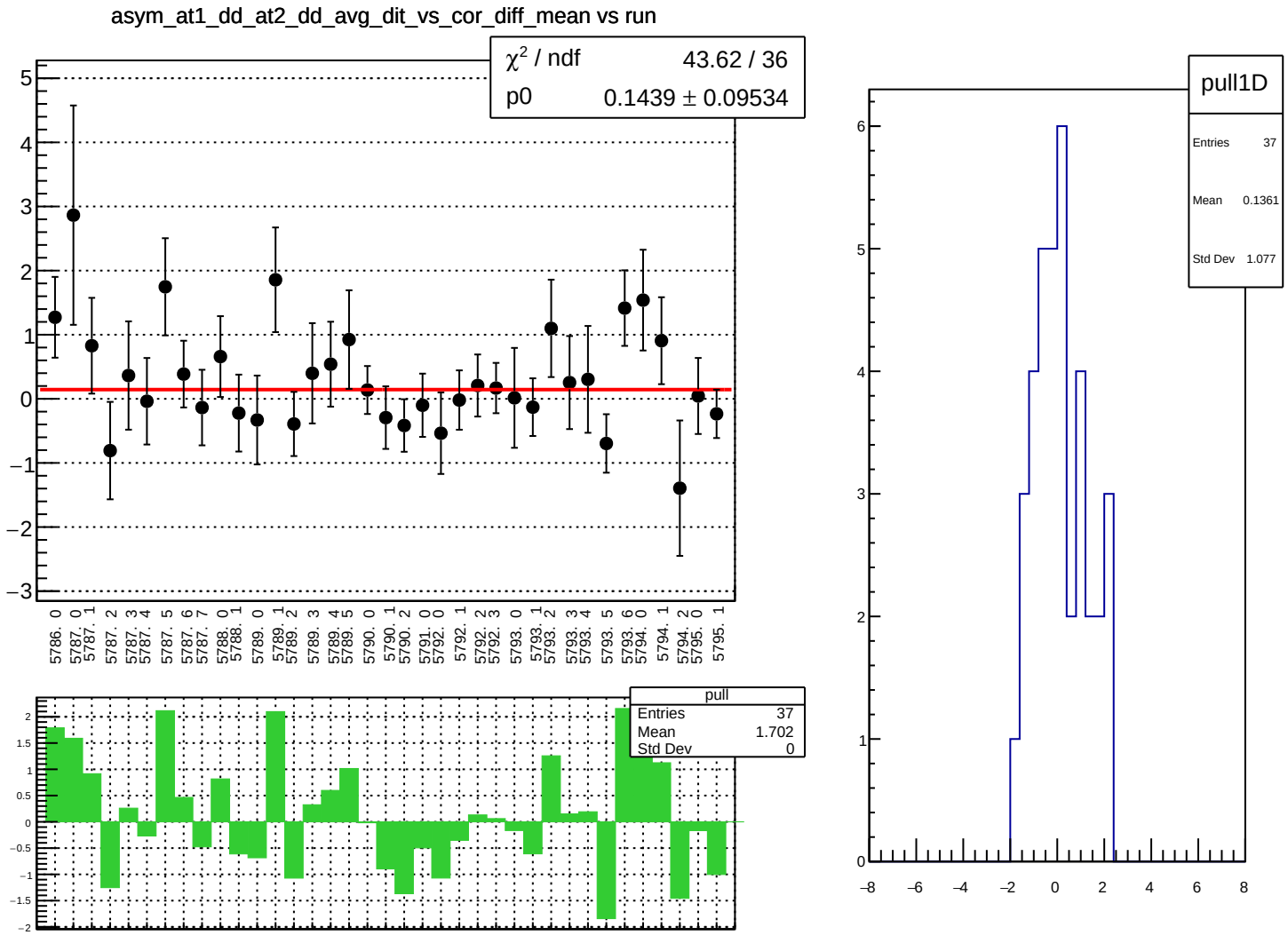

asym_at1_dd_at2_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 2512 / 36
p0 1670 ± 1.928
1950
1900
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

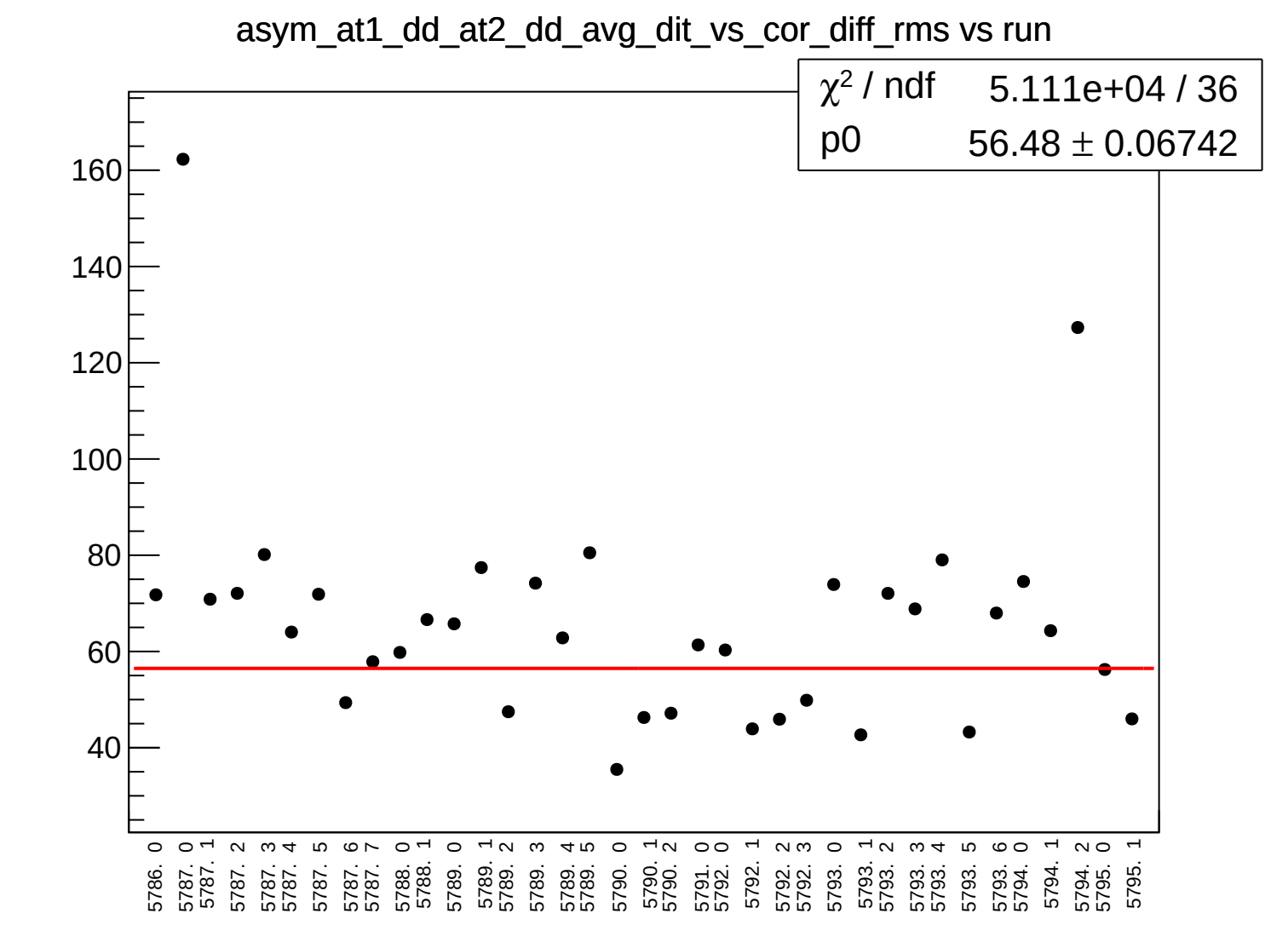

asym_at1_dd_at2_dd_avg_mean vs run
χ² / ndf 34.17 / 36
p0 8744 ± 3556
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.09
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.01699
Std Dev 0.9608
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

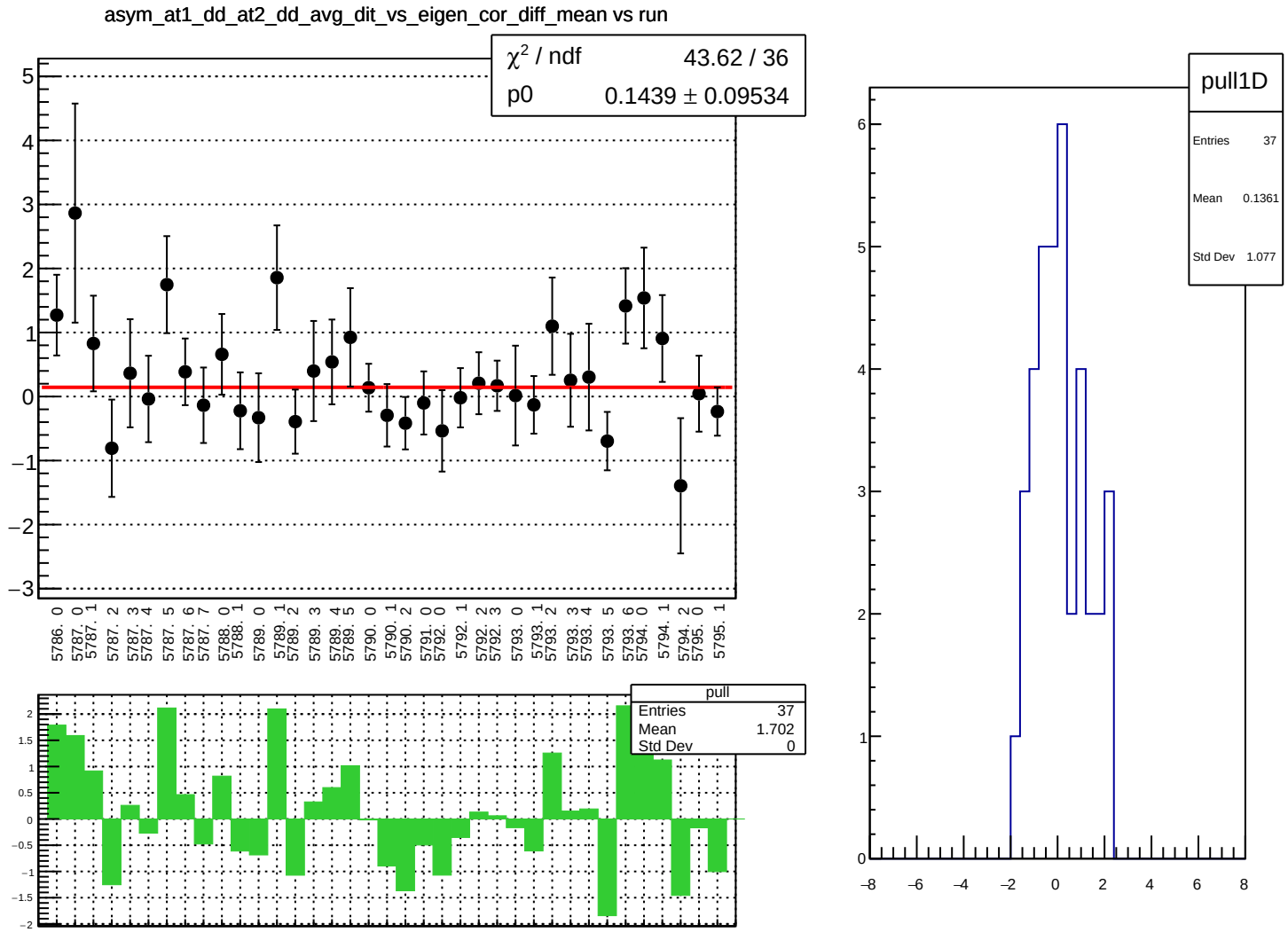

asym_at1_dd_at2_dd_avg_rms vs run
χ² / ndf 983.8 / 36
p0 2180 ± 2.514
2400
2350
2300
2250
2200
2150
2100
2050
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

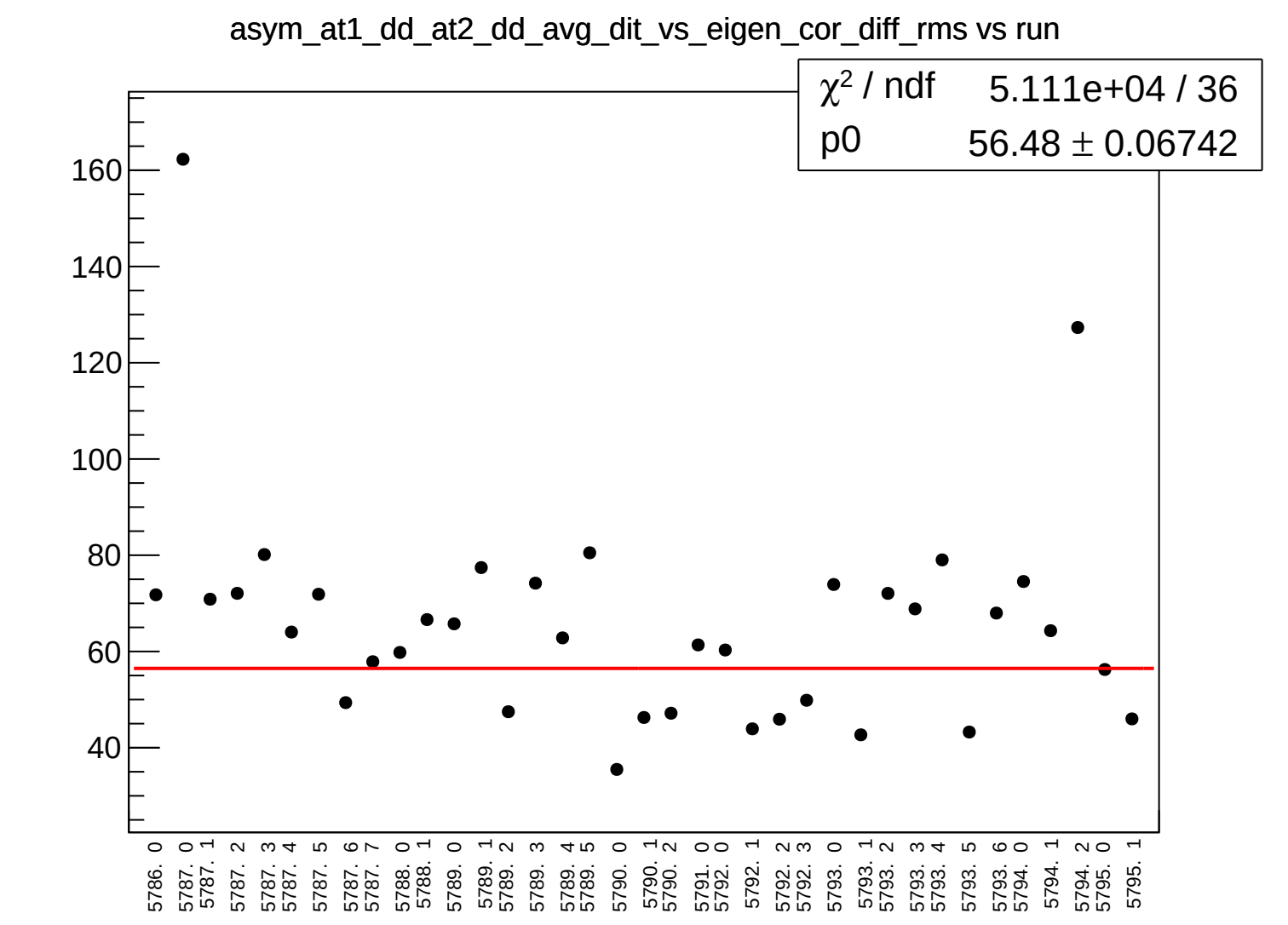

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.61 / 36
p0 2.342e−13 ± 1.773e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −115.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01693
Std Dev 1.169
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

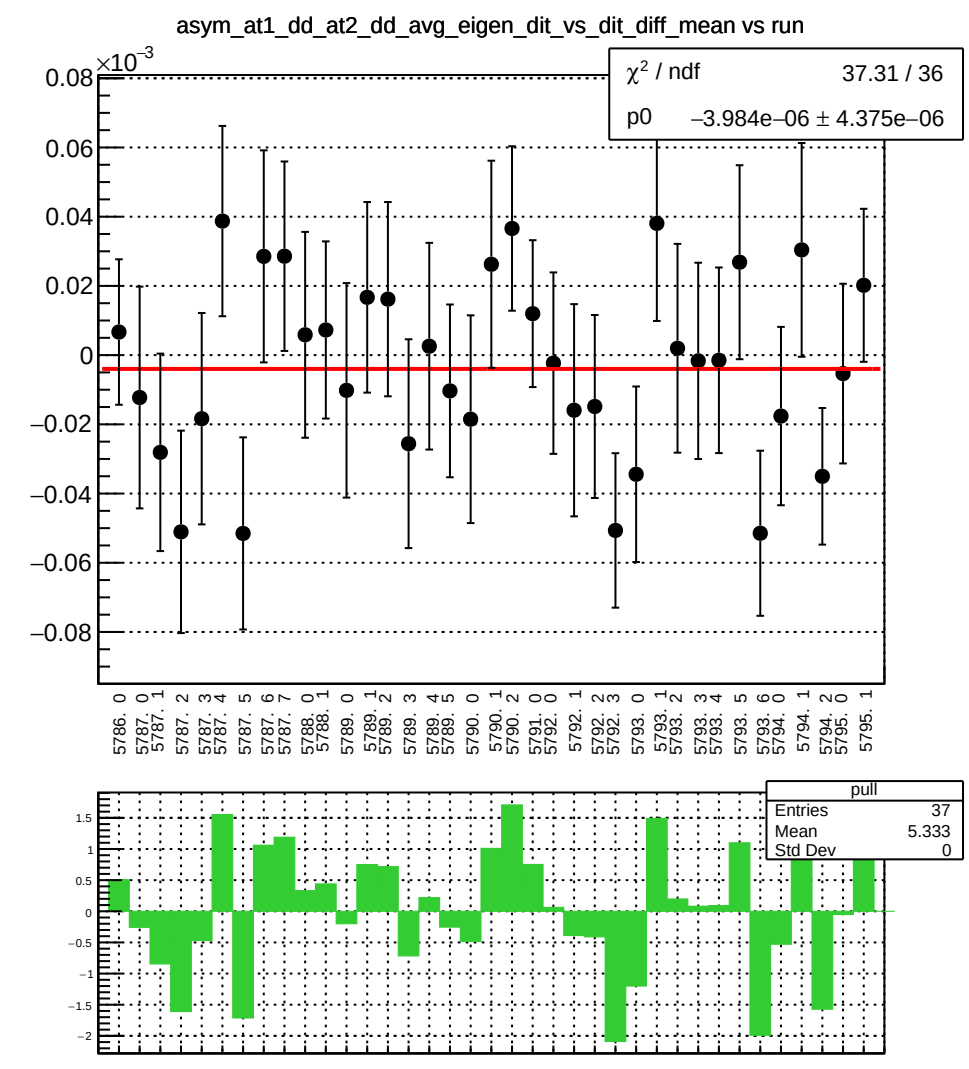

asym_at1_dd_at2_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.109e+05 / 36
p0 7.335e−11 ± 1.254e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

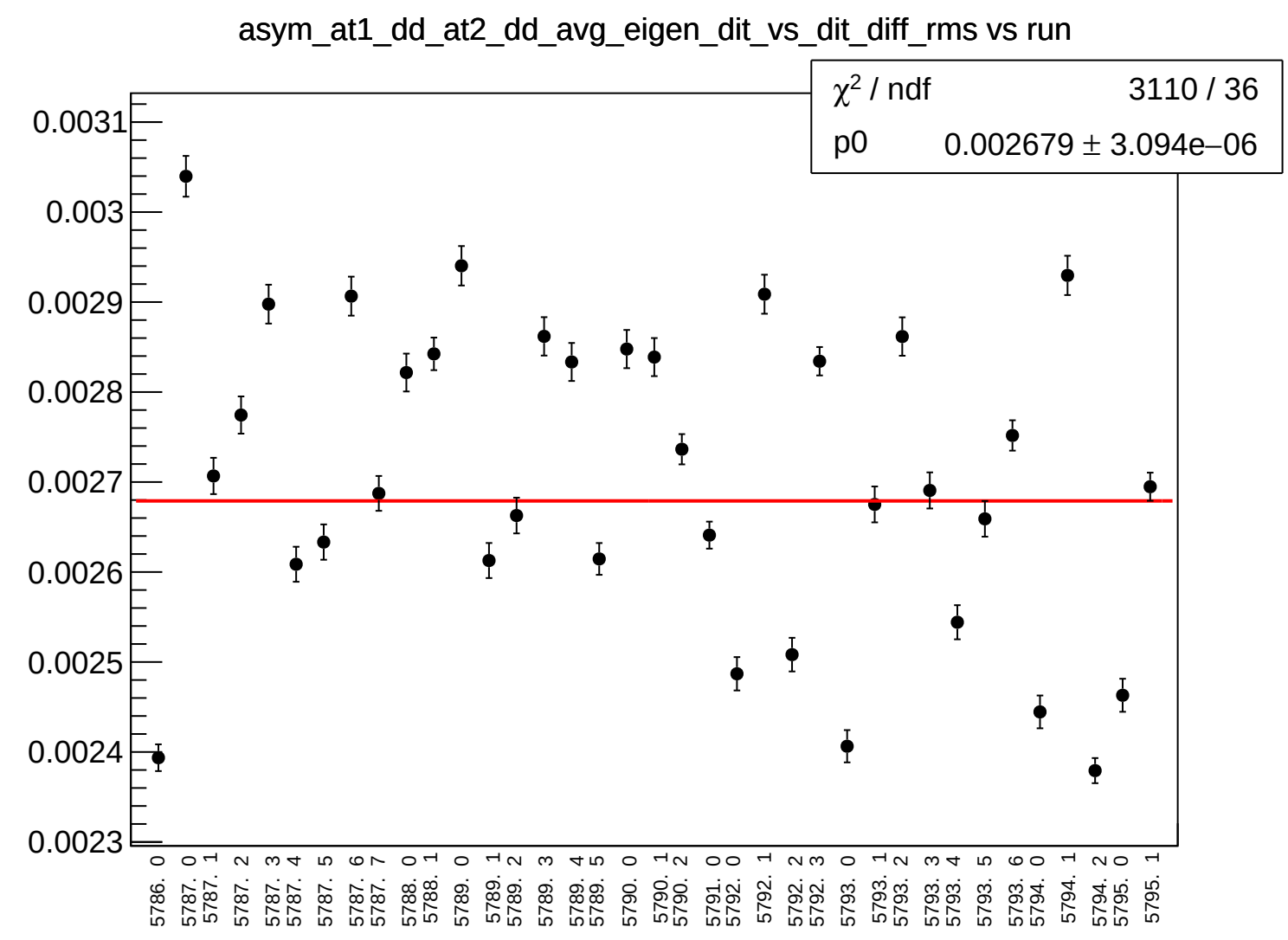

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077

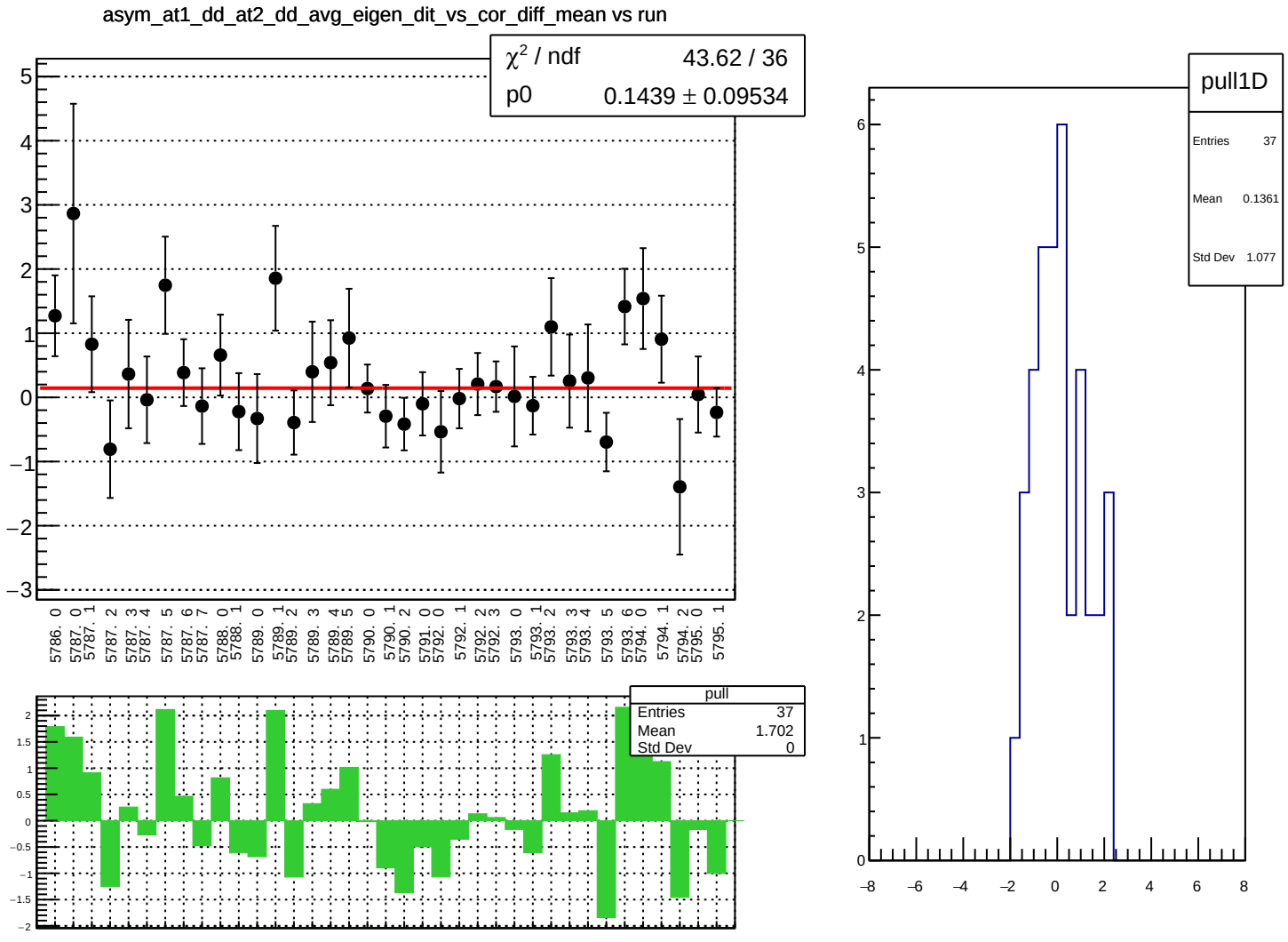

asym_at1_dd_at2_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

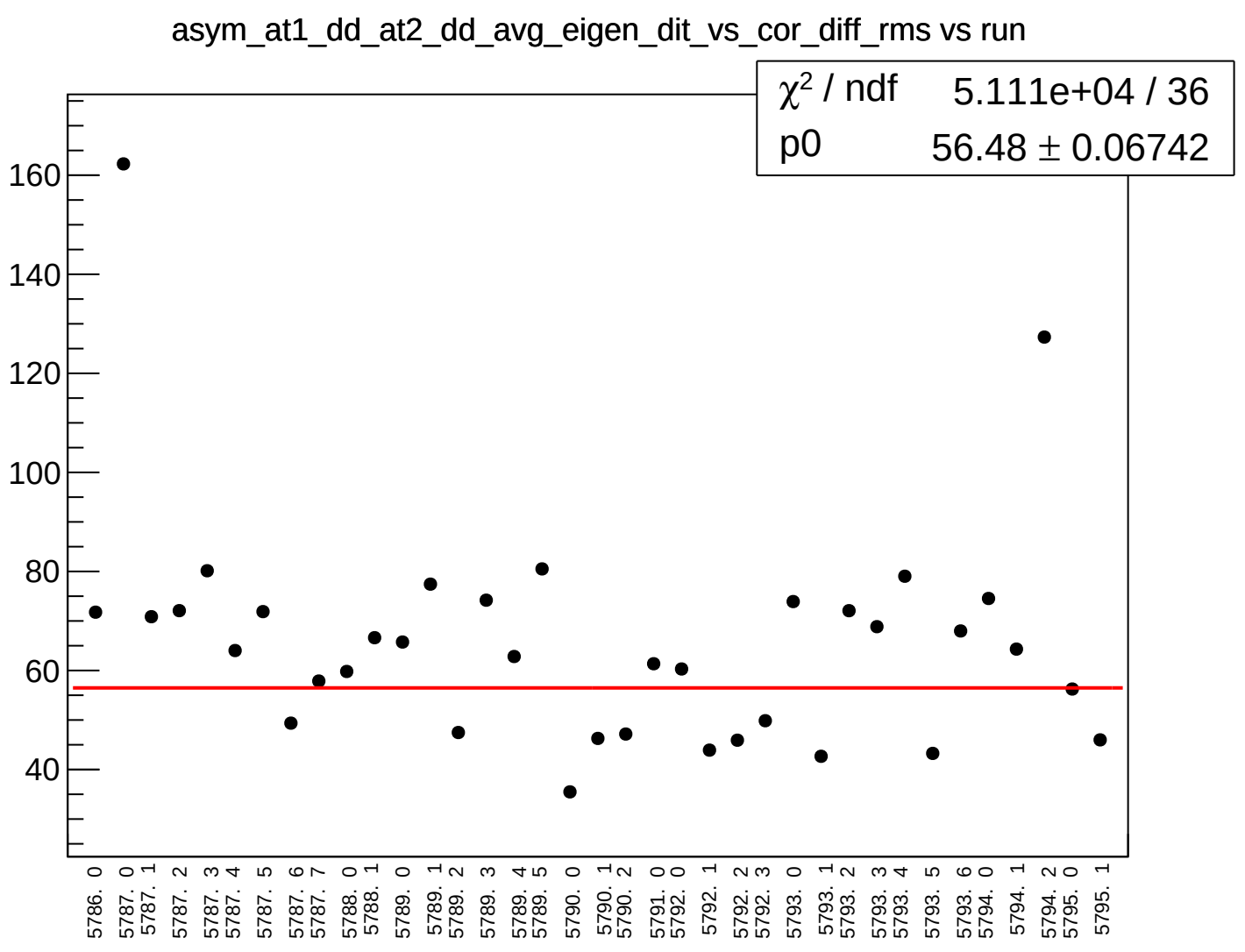

asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077


asym_at1_dd_at2_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.31 / 36
p0 −3.984e−06 ± 4.375e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 5.333
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01859
Std Dev 1.004
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_at1_dd_at2_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3110 / 36
p0 0.002679 ± 3.094e−06
0.0031
0.003
0.0029
0.0028
0.0027
0.0026
0.0025
0.0024
0.0023
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077


asym_at1_dd_at2_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 4
5793. 5
5793. 6
5794. 0
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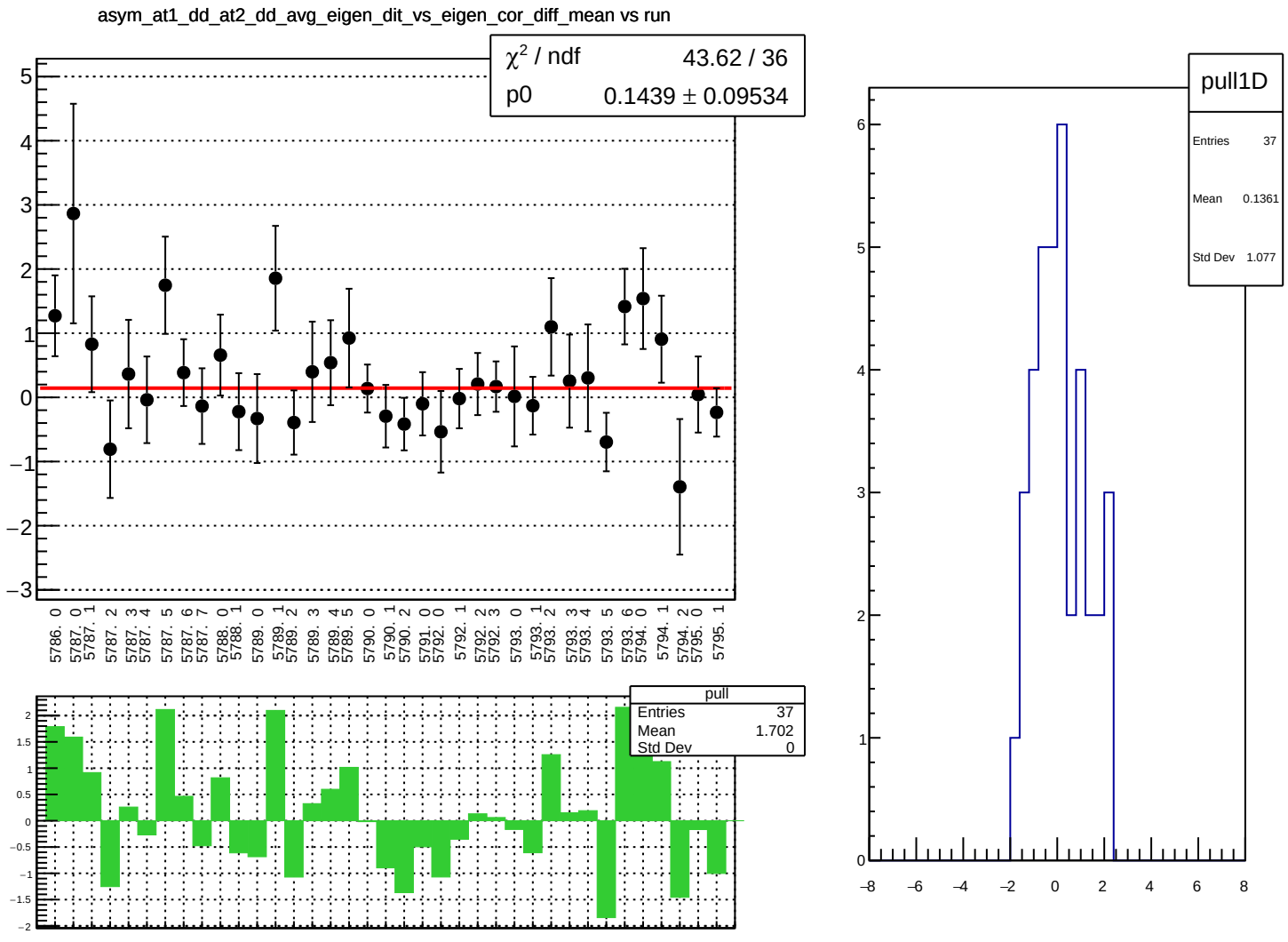
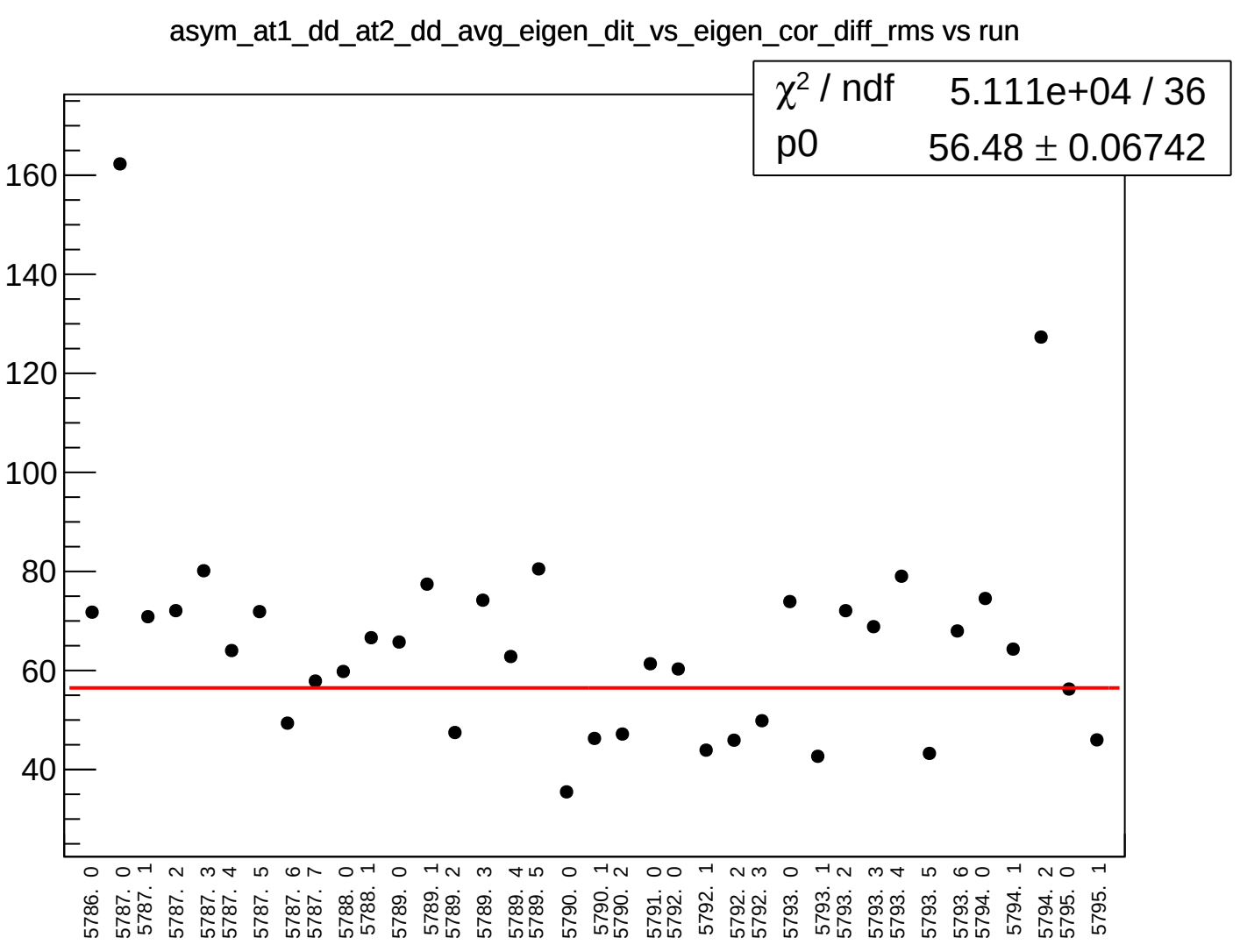
5794. 2
5795. 0
5795. 1


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.62 / 36
p0 0.1439 ± 0.09534
pull
Entries 37
Mean 1.702
Std Dev 0
pull1D
Entries 37
Mean 0.1361
Std Dev 1.077


asym_at1_dd_at2_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.111e+04 / 36
p0 56.48 ± 0.06742
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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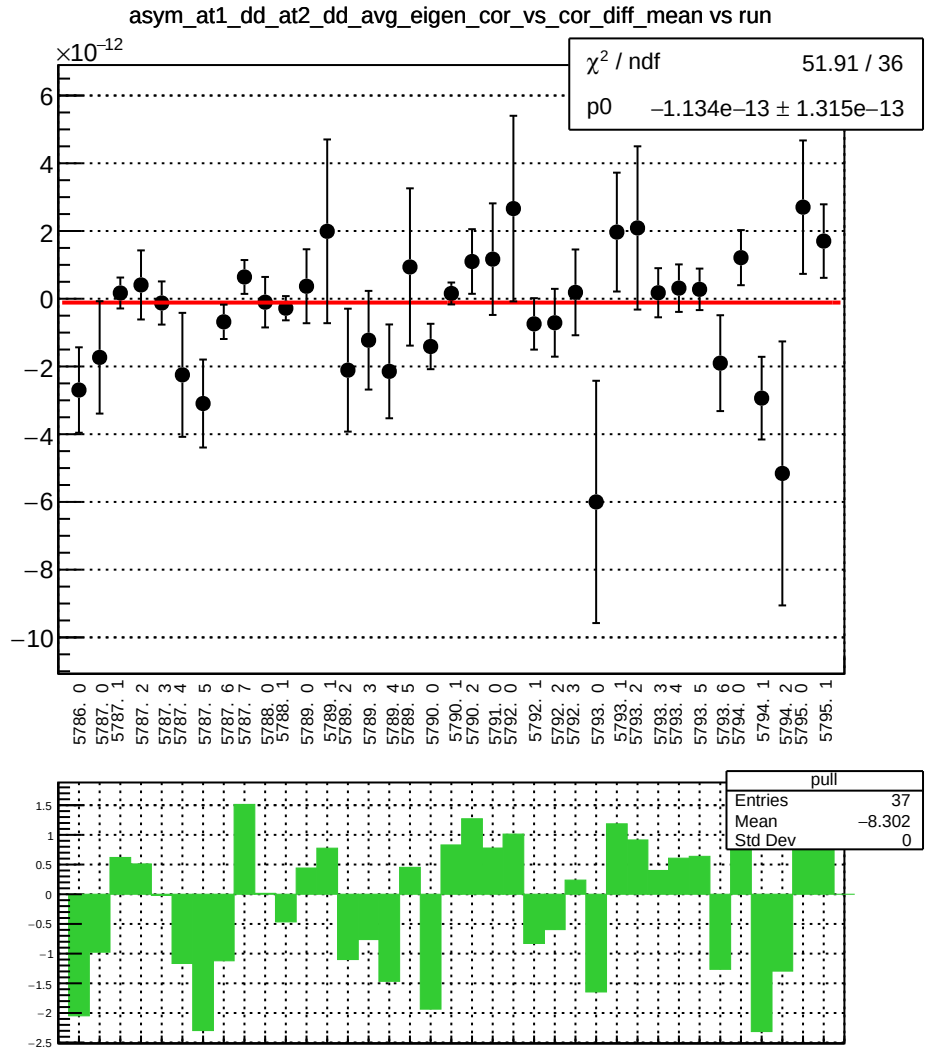
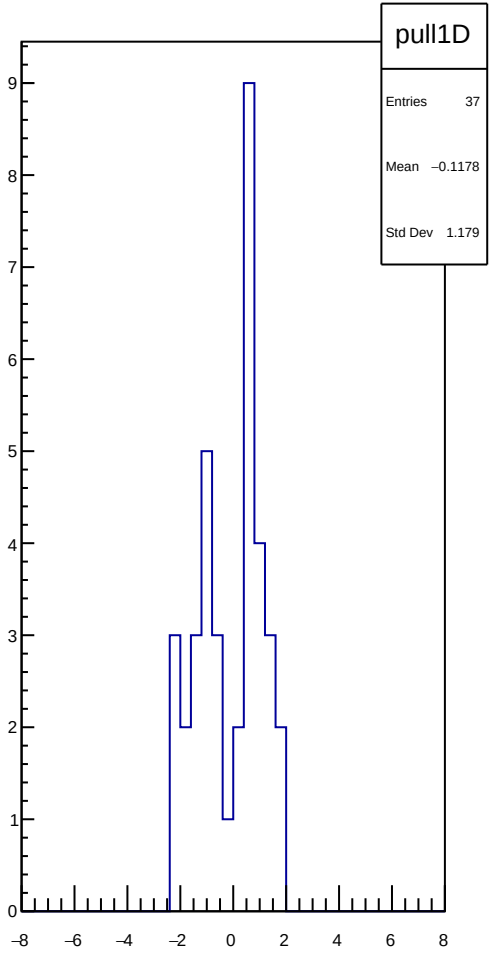
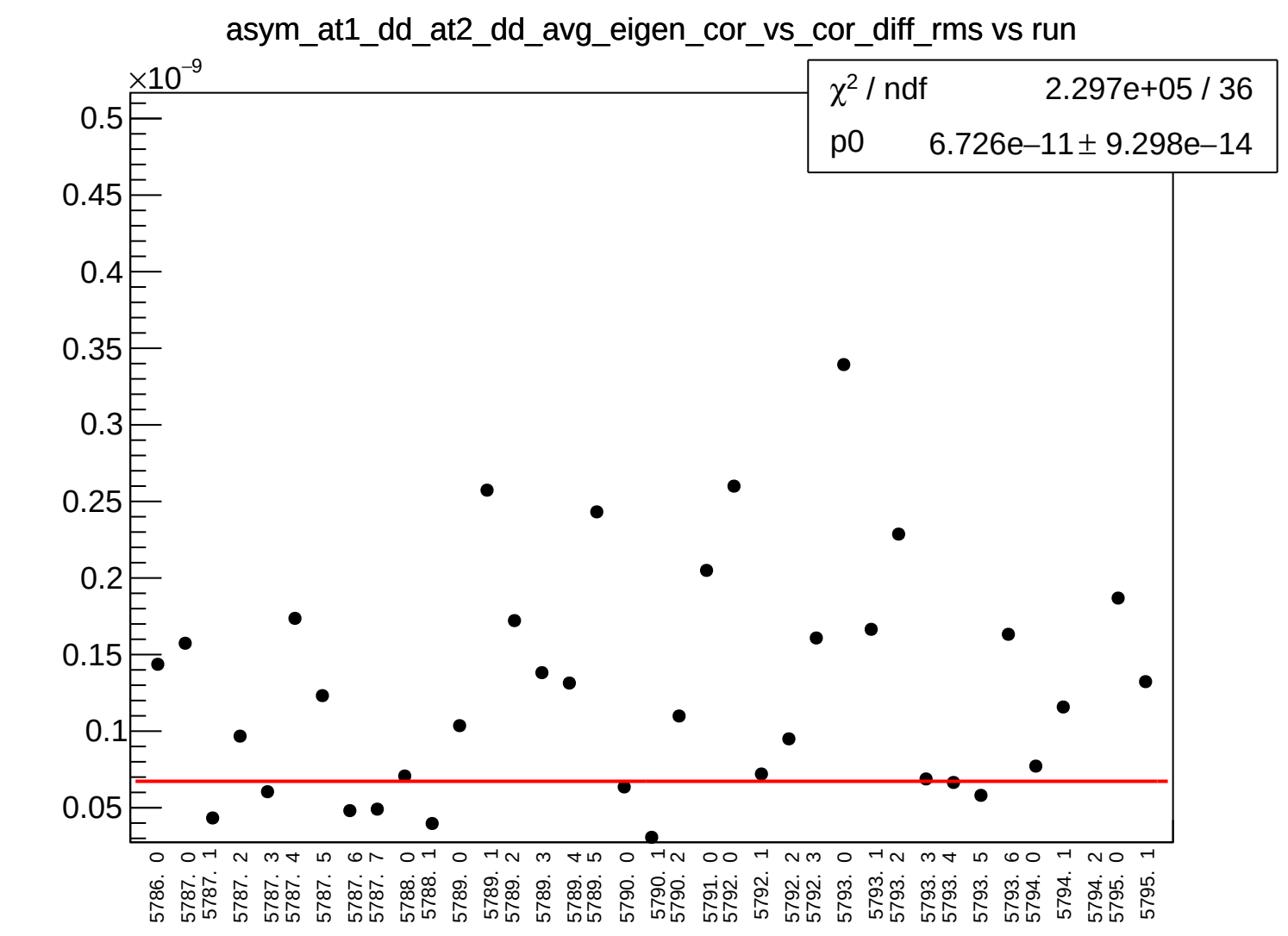
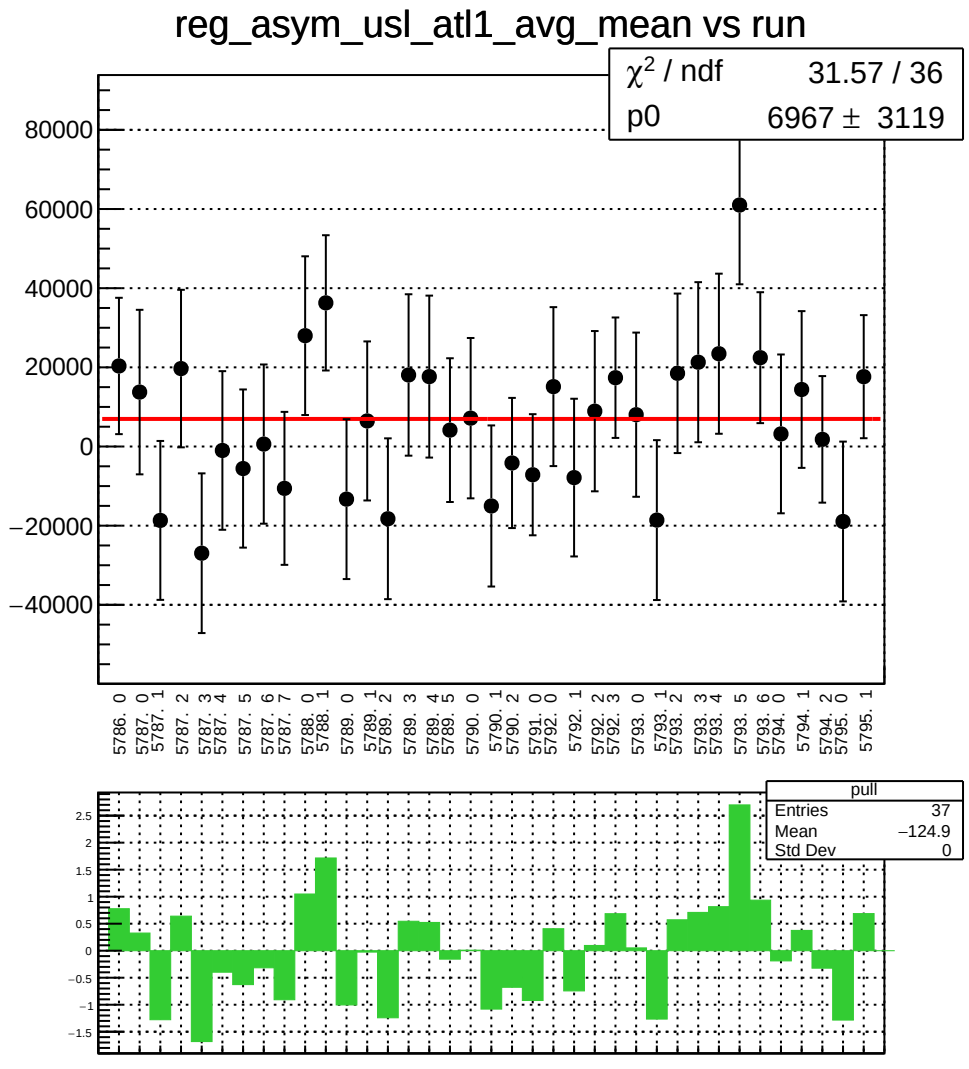
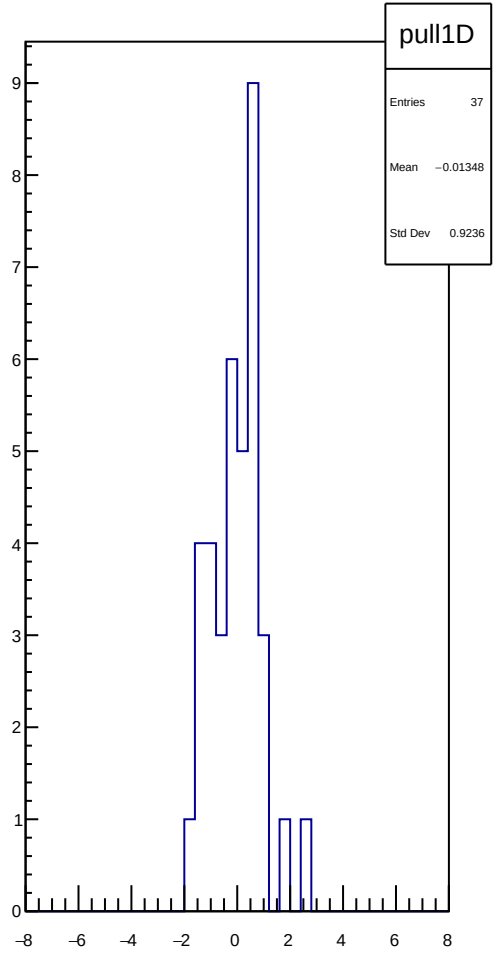
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

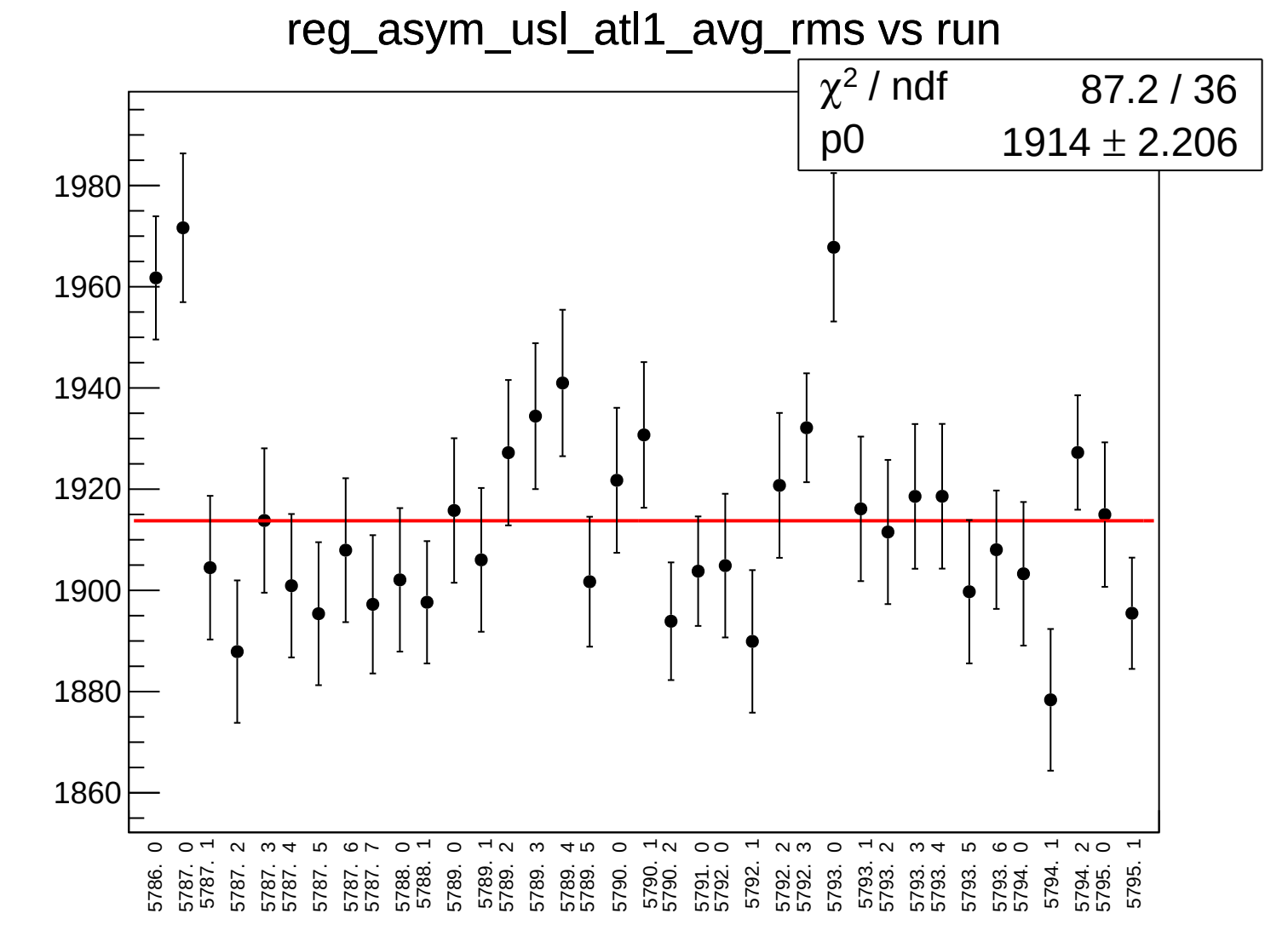

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 51.91 / 36
p0 −1.134e−13 ± 1.315e−13
pull
Entries 37
Mean −8.302
Std Dev 0

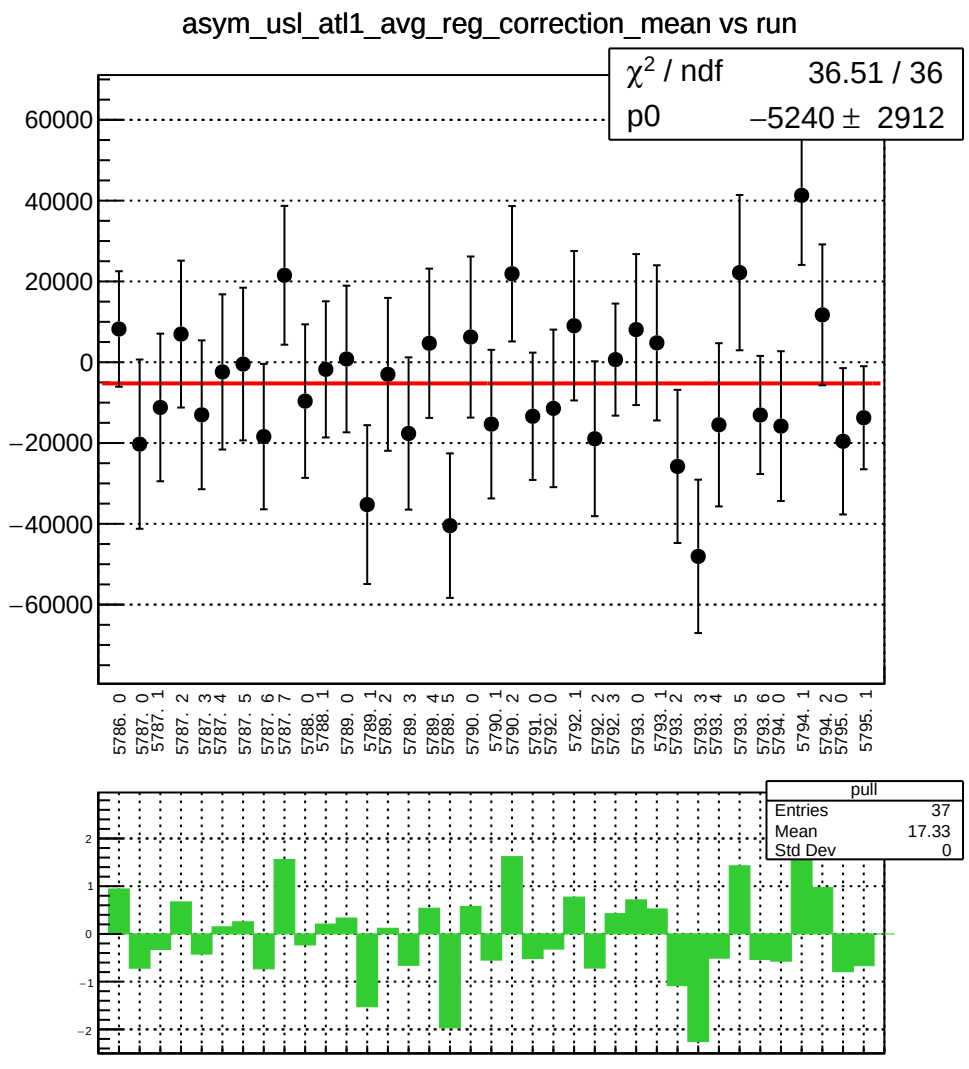

pull1D
Entries 37
Mean −0.1178
Std Dev 1.179

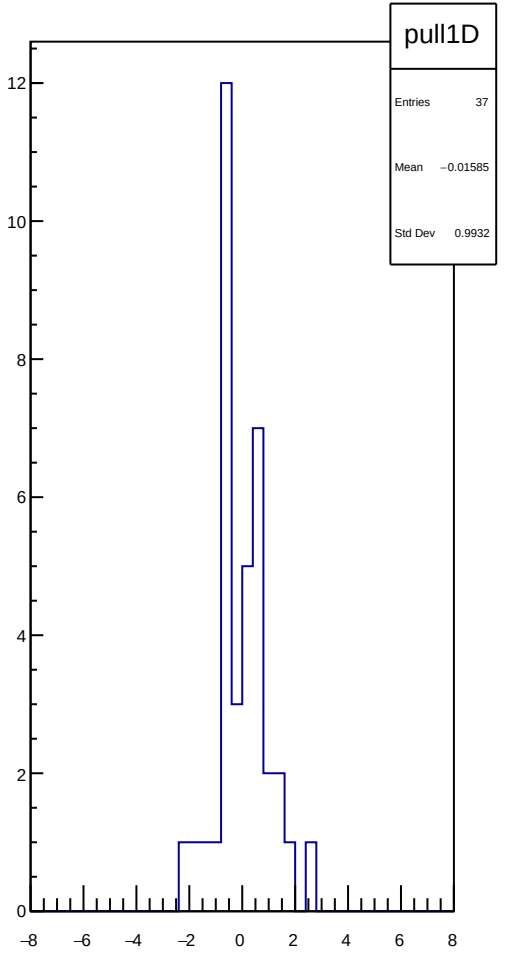

asym_at1_dd_at2_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.297e+05 / 36
p0 6.726e−11 ± 9.298e−14
0.5
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

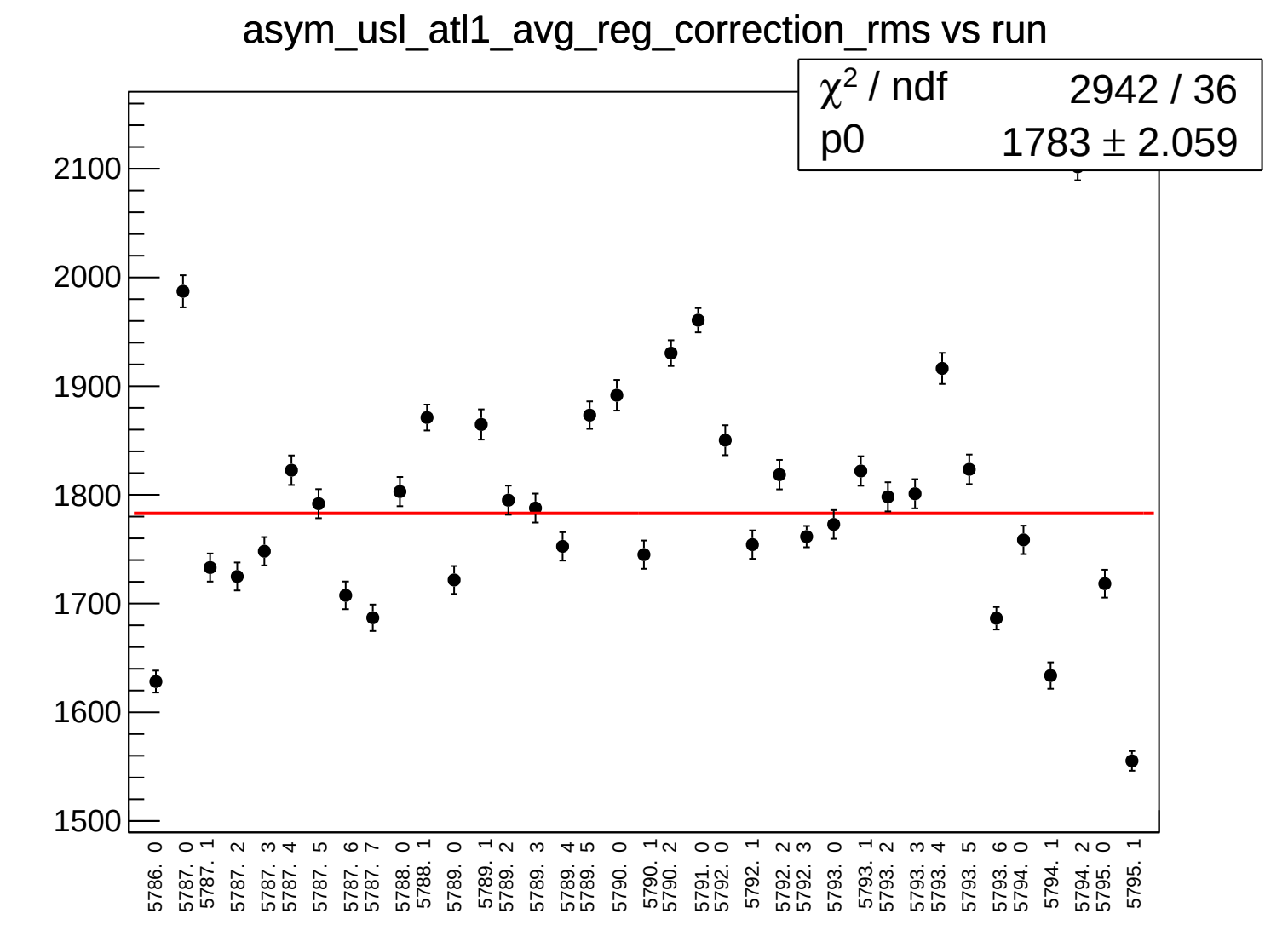

reg_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.57 / 36
p0 6967 ± 3119
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −124.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

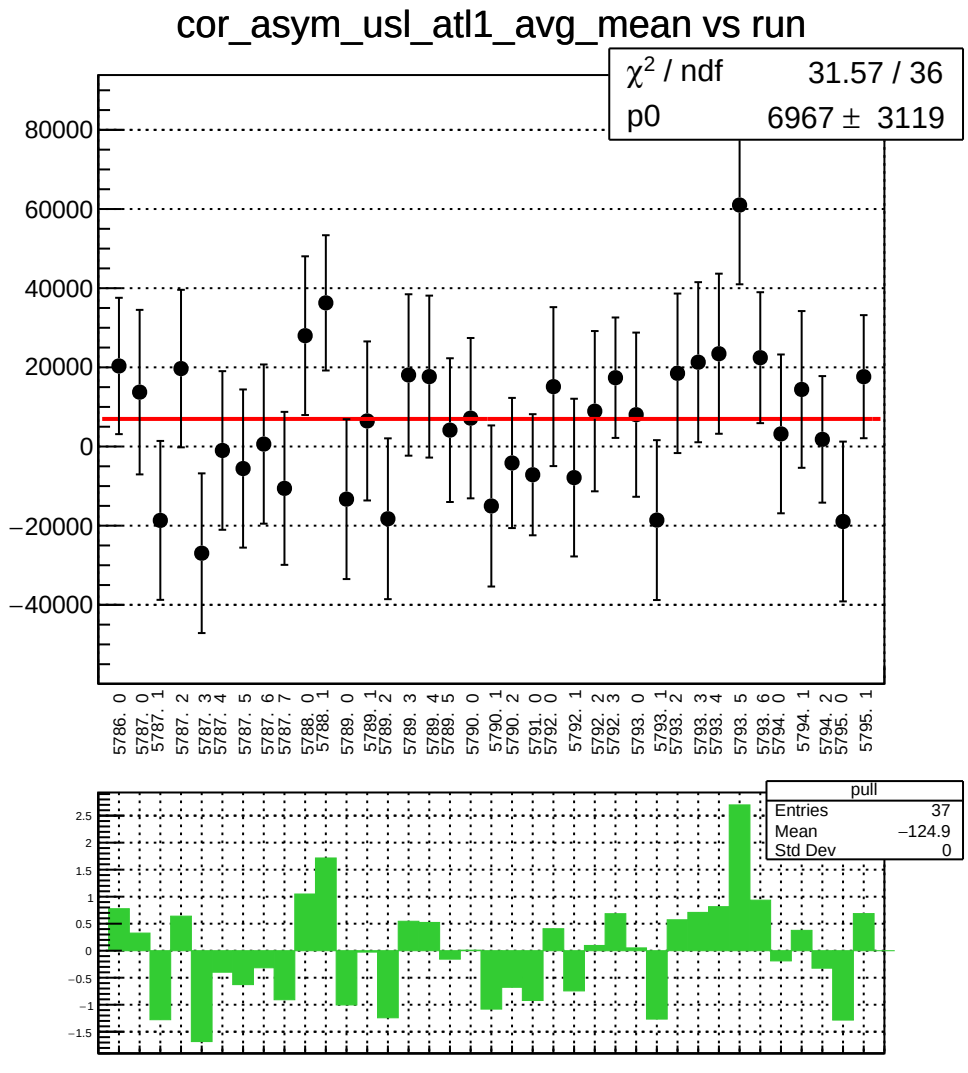

pull1D
Entries 37
Mean −0.01348
Std Dev 0.9236
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

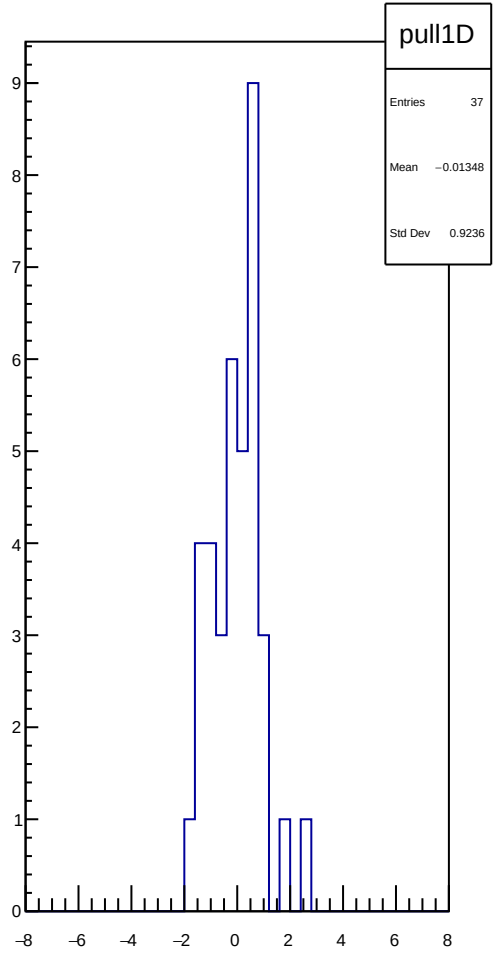

reg_asym_usl_atl1_avg_rms vs run
χ² / ndf 87.2 / 36
p0 1914 ± 2.206
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

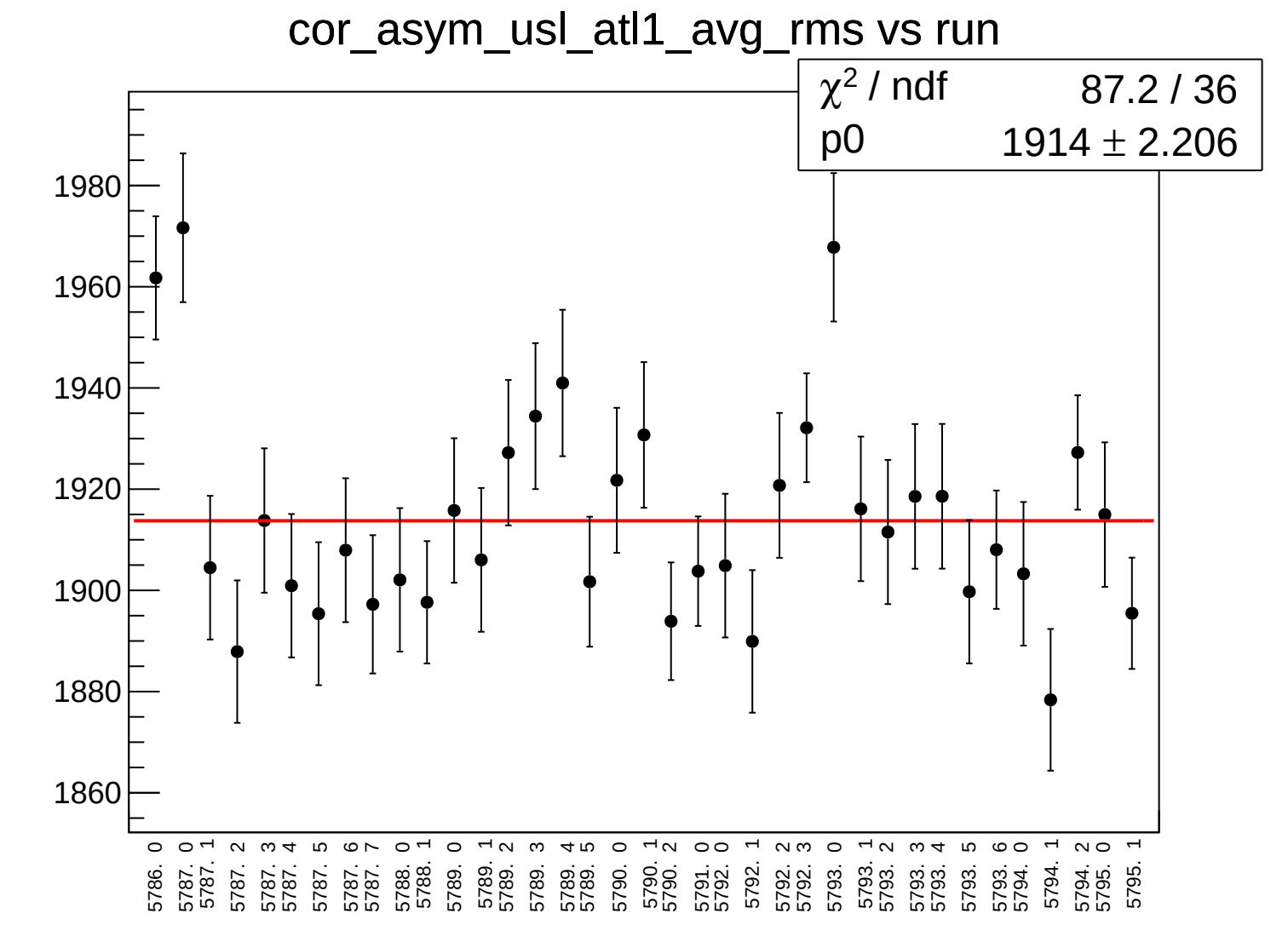

asym_usl_atl1_avg_reg_correction_mean vs run
χ² / ndf 36.51 / 36
p0 −5240 ± 2912
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.33
Std Dev 0
2
1
0
−1
−2

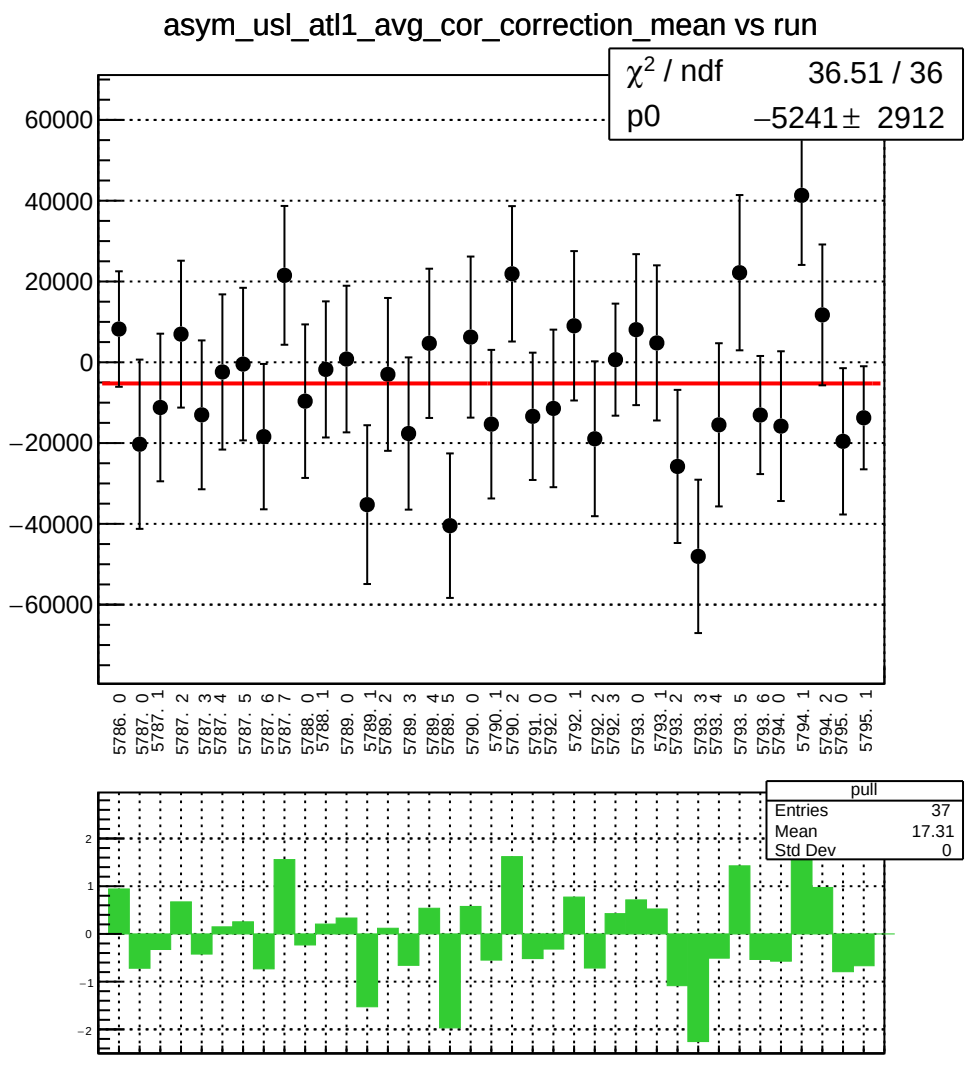

pull1D
Entries 37
Mean −0.01585
Std Dev 0.9932
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

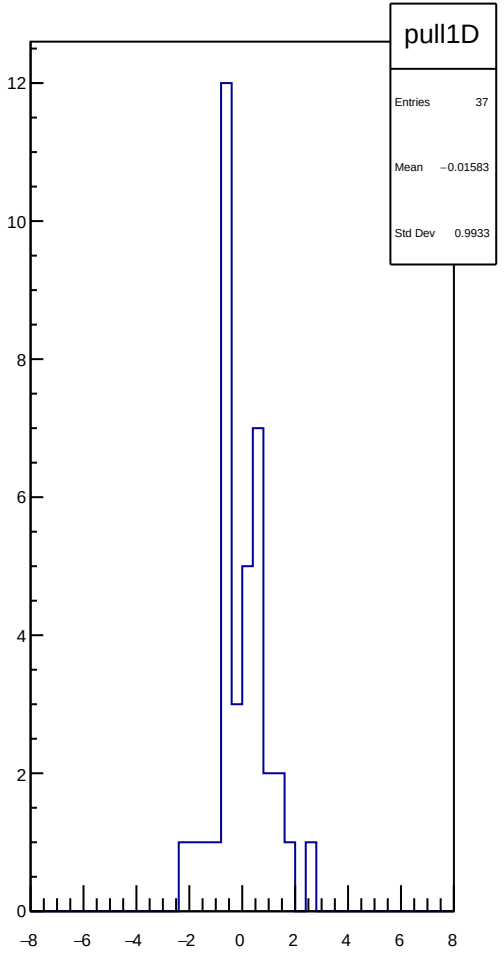

asym_usl_atl1_avg_reg_correction_rms vs run
χ² / ndf 2942 / 36
p0 1783 ± 2.059
2100
2000
1900
1800
1700
1600
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

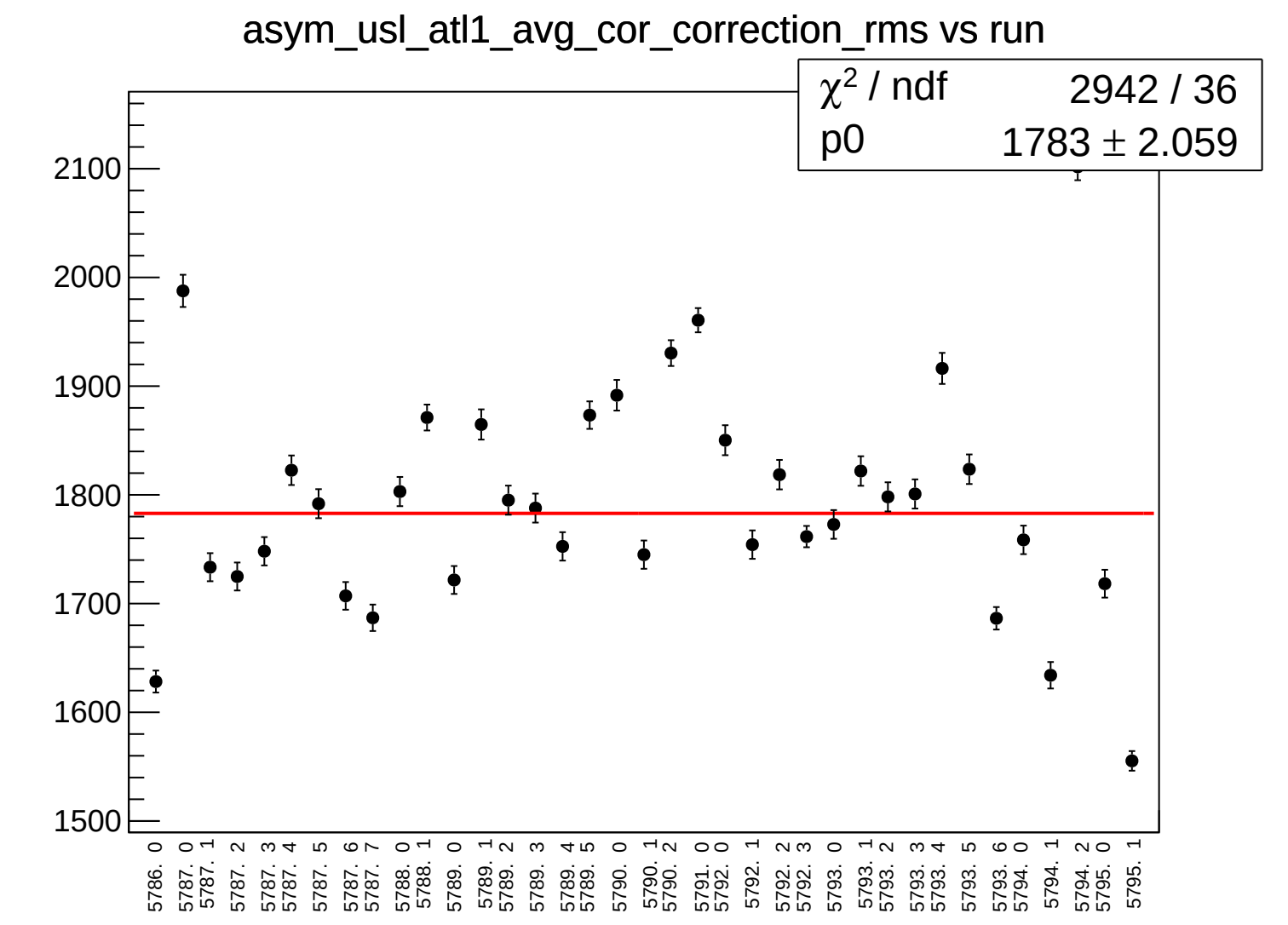

cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.57 / 36
p0 6967 ± 3119
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −124.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

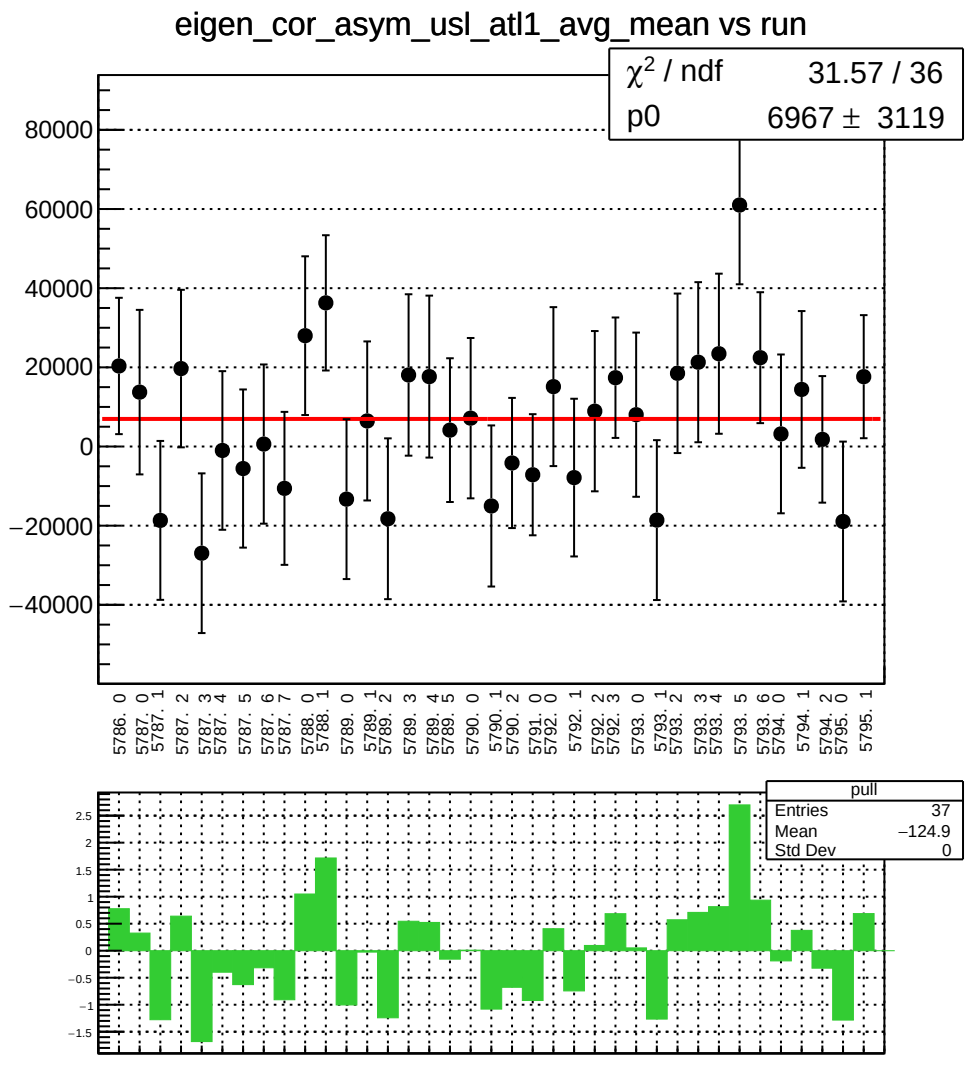

pull1D
Entries 37
Mean −0.01348
Std Dev 0.9236
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

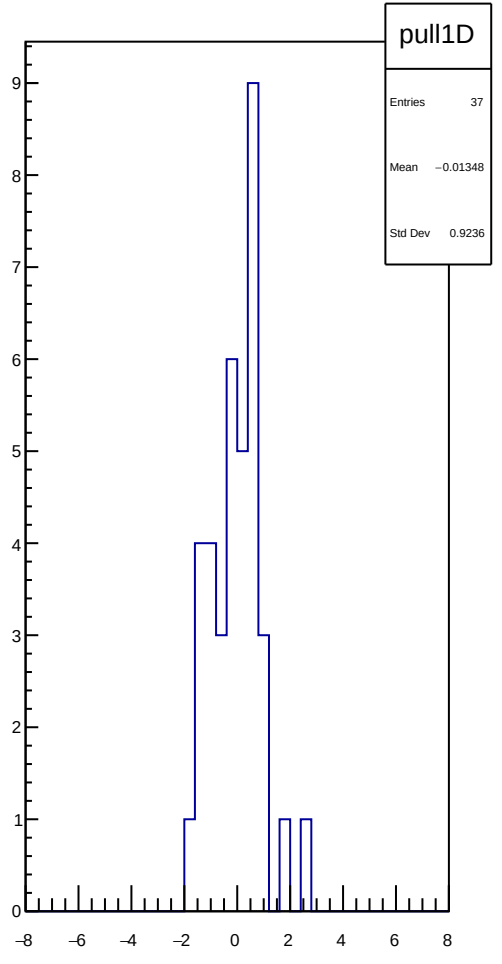

cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 87.2 / 36
p0 1914 ± 2.206
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

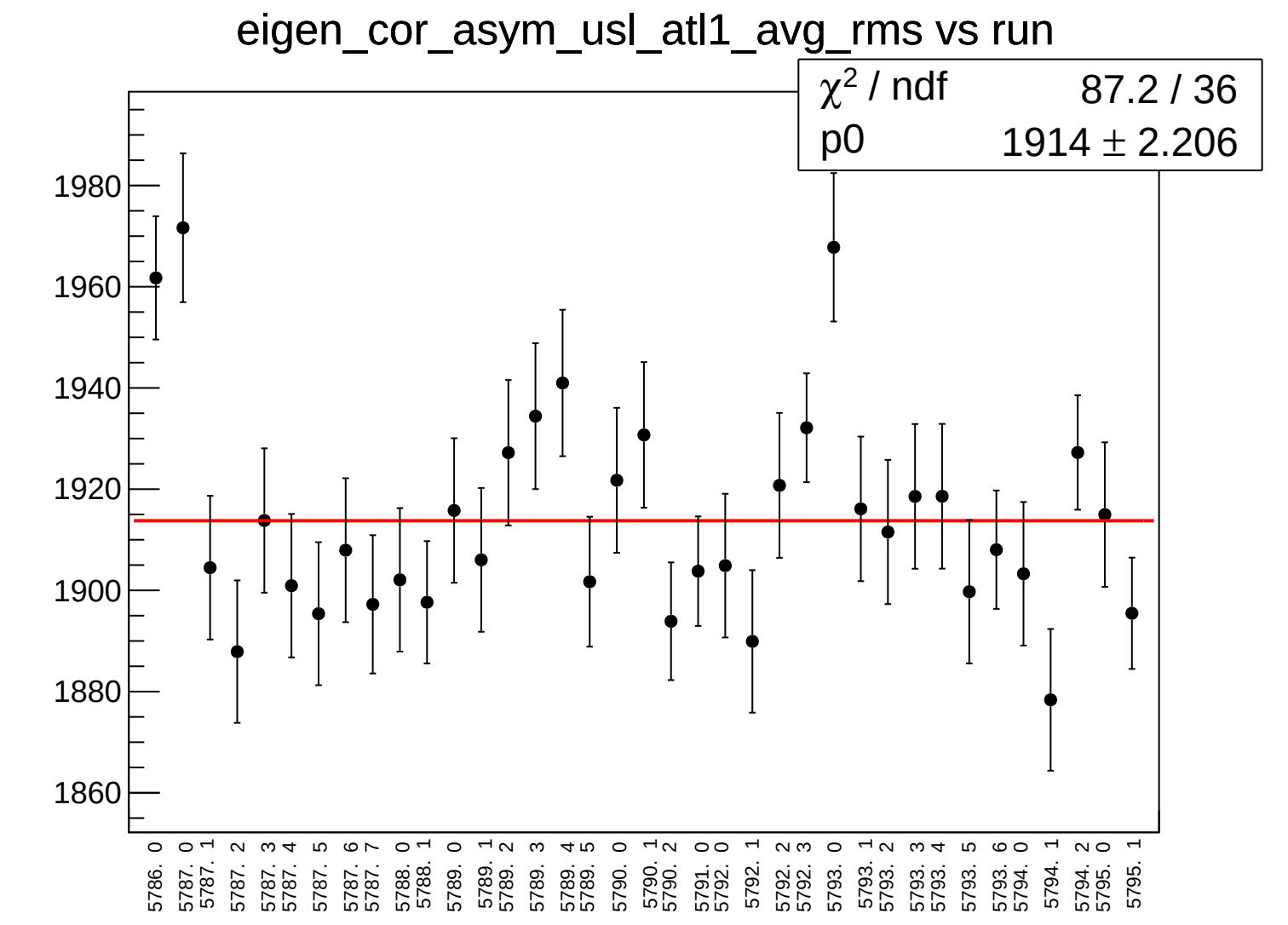

asym_usl_atl1_avg_cor_correction_mean vs run
χ² / ndf 36.51 / 36
p0 −5241 ± 2912
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.31
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01583
Std Dev 0.9933
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_cor_correction_rms vs run
χ² / ndf 2942 / 36
p0 1783 ± 2.059
2100
2000
1900
1800
1700
1600
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_usl_atl1_avg_mean vs run
χ² / ndf 31.57 / 36
p0 6967 ± 3119
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −124.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01348
Std Dev 0.9236
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usl_atl1_avg_rms vs run
χ² / ndf 87.2 / 36
p0 1914 ± 2.206
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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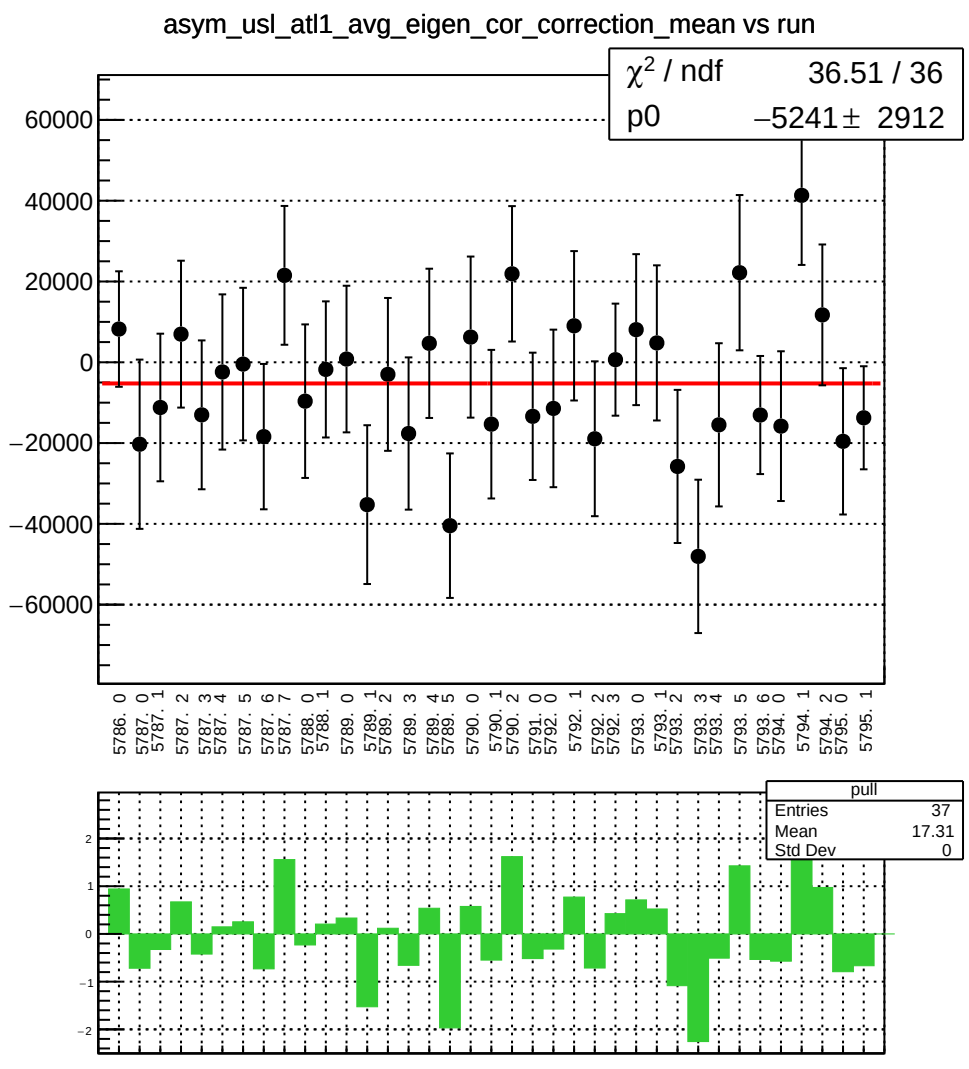
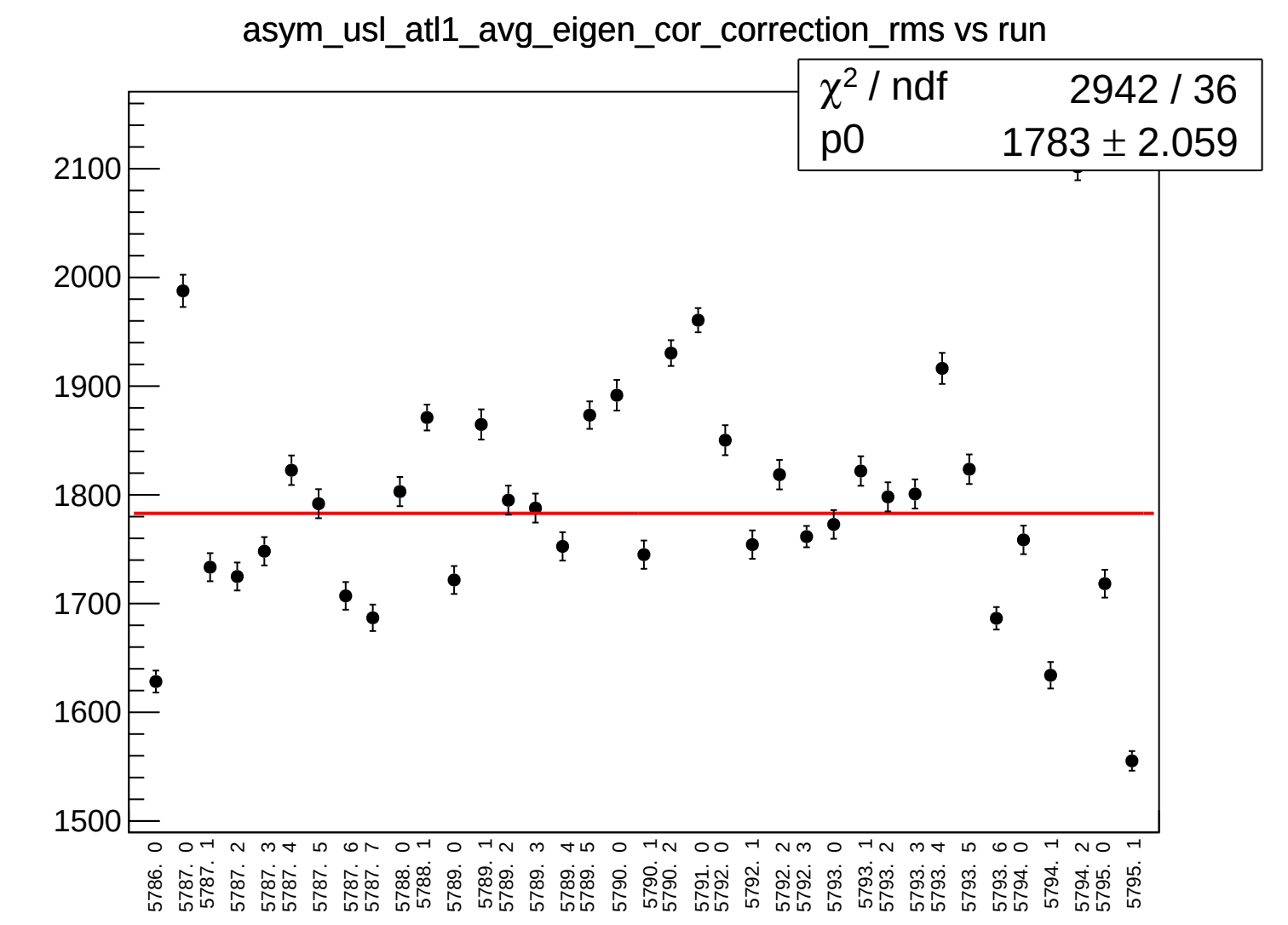
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usl_atl1_avg_eigen_cor_correction_mean vs run
χ² / ndf 36.51 / 36
p0 −5241 ± 2912
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.31
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01583
Std Dev 0.9933
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl1_avg_eigen_cor_correction_rms vs run
χ² / ndf 2942 / 36
p0 1783 ± 2.059
2100
2000
1900
1800
1700
1600
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 4
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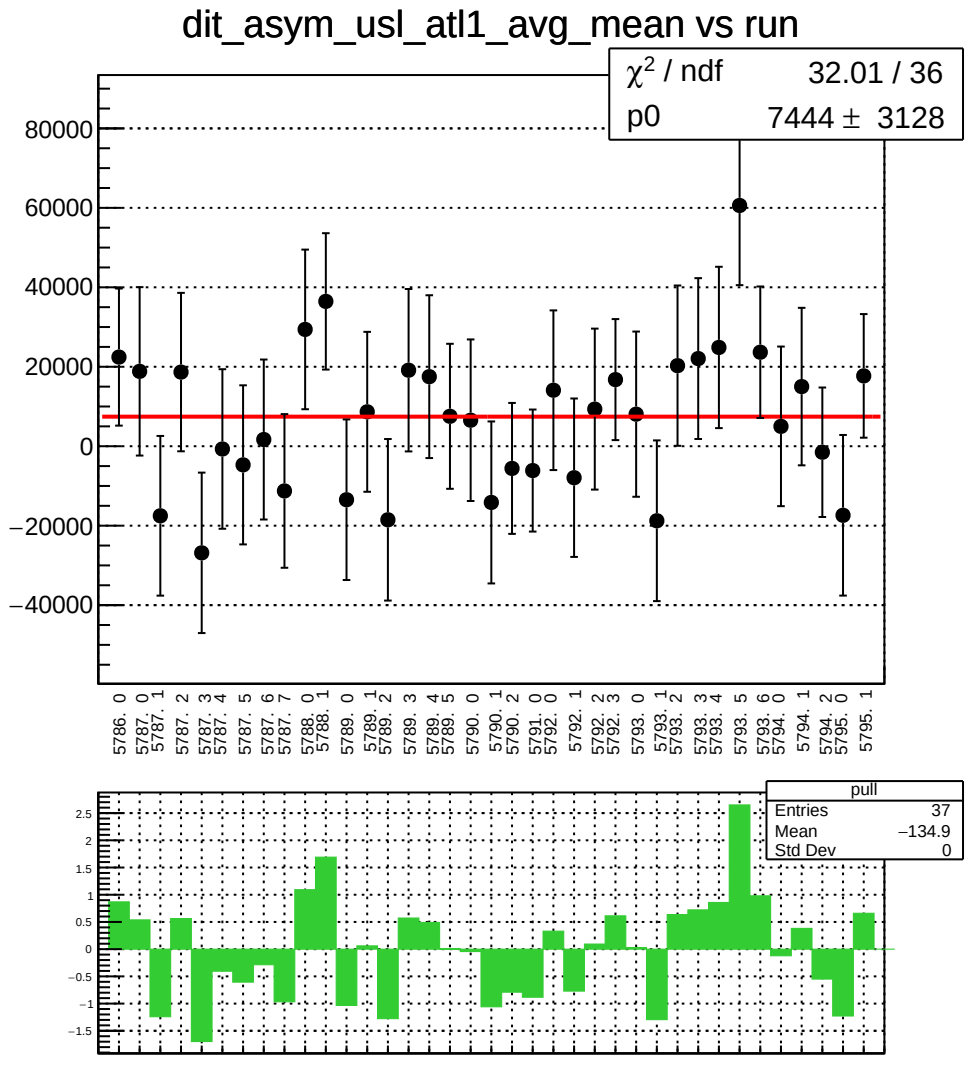
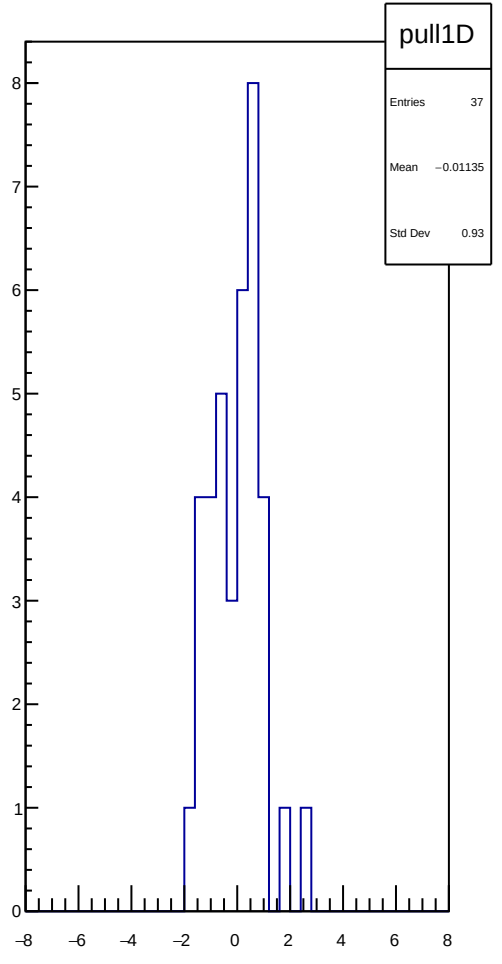
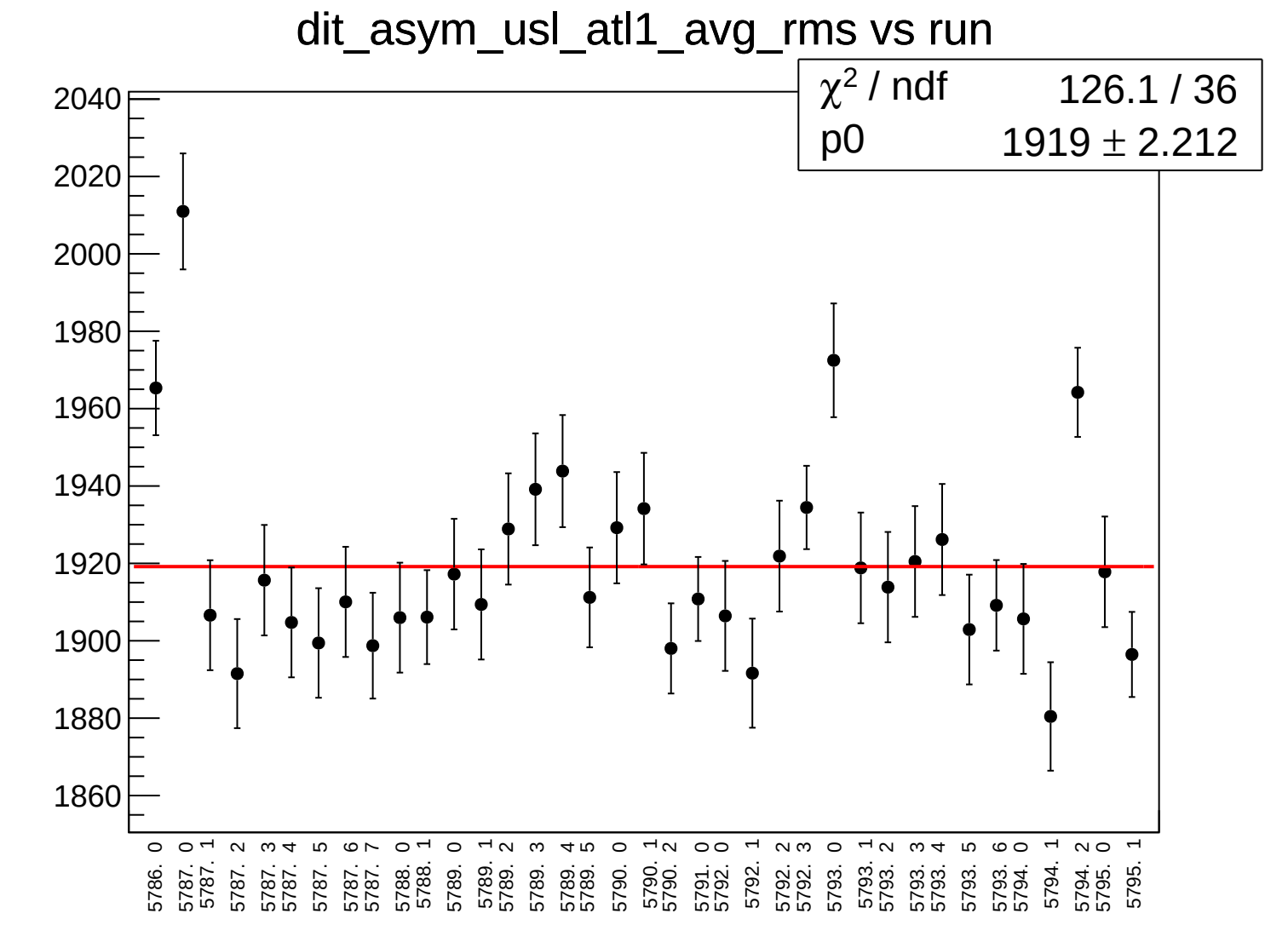
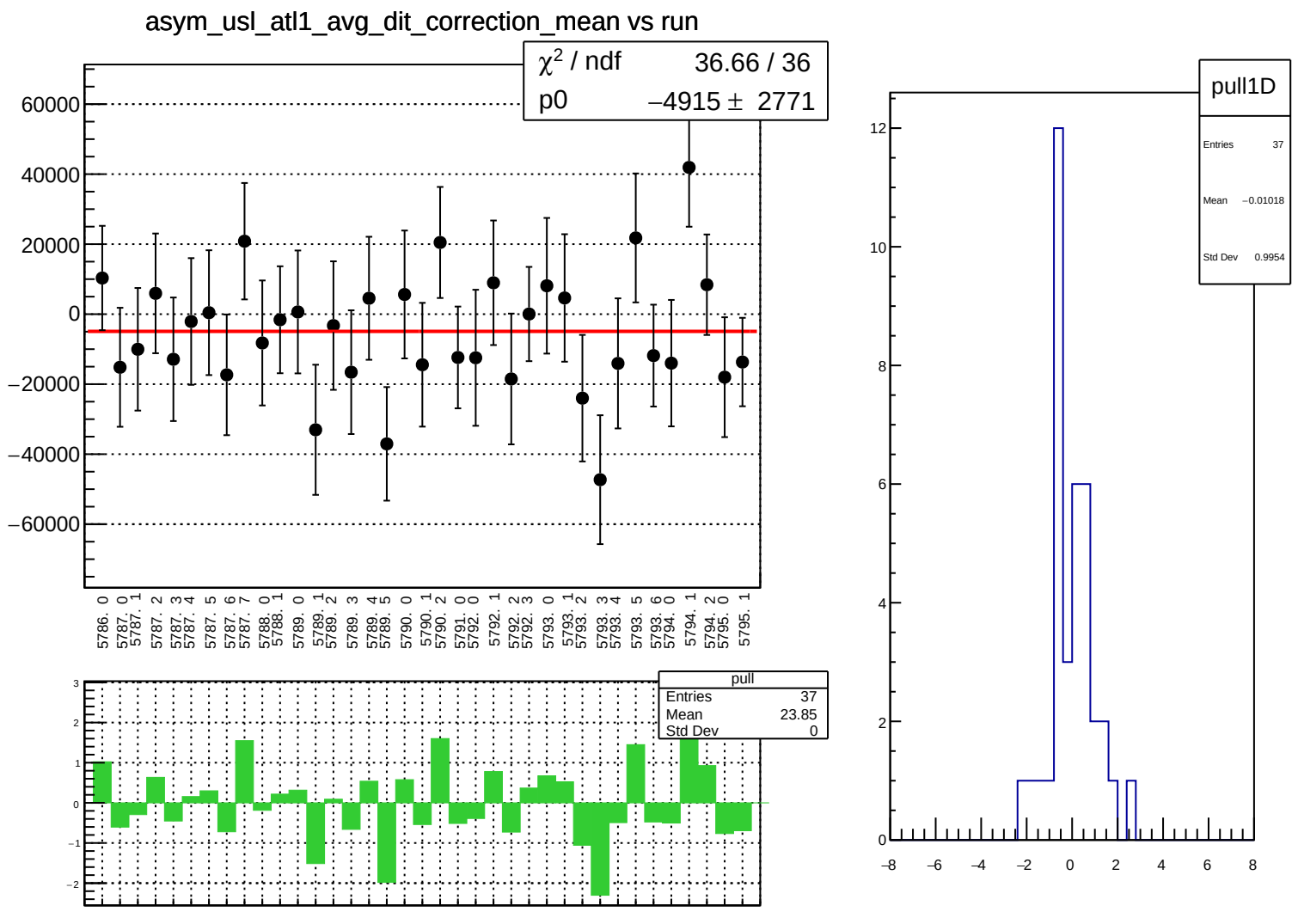
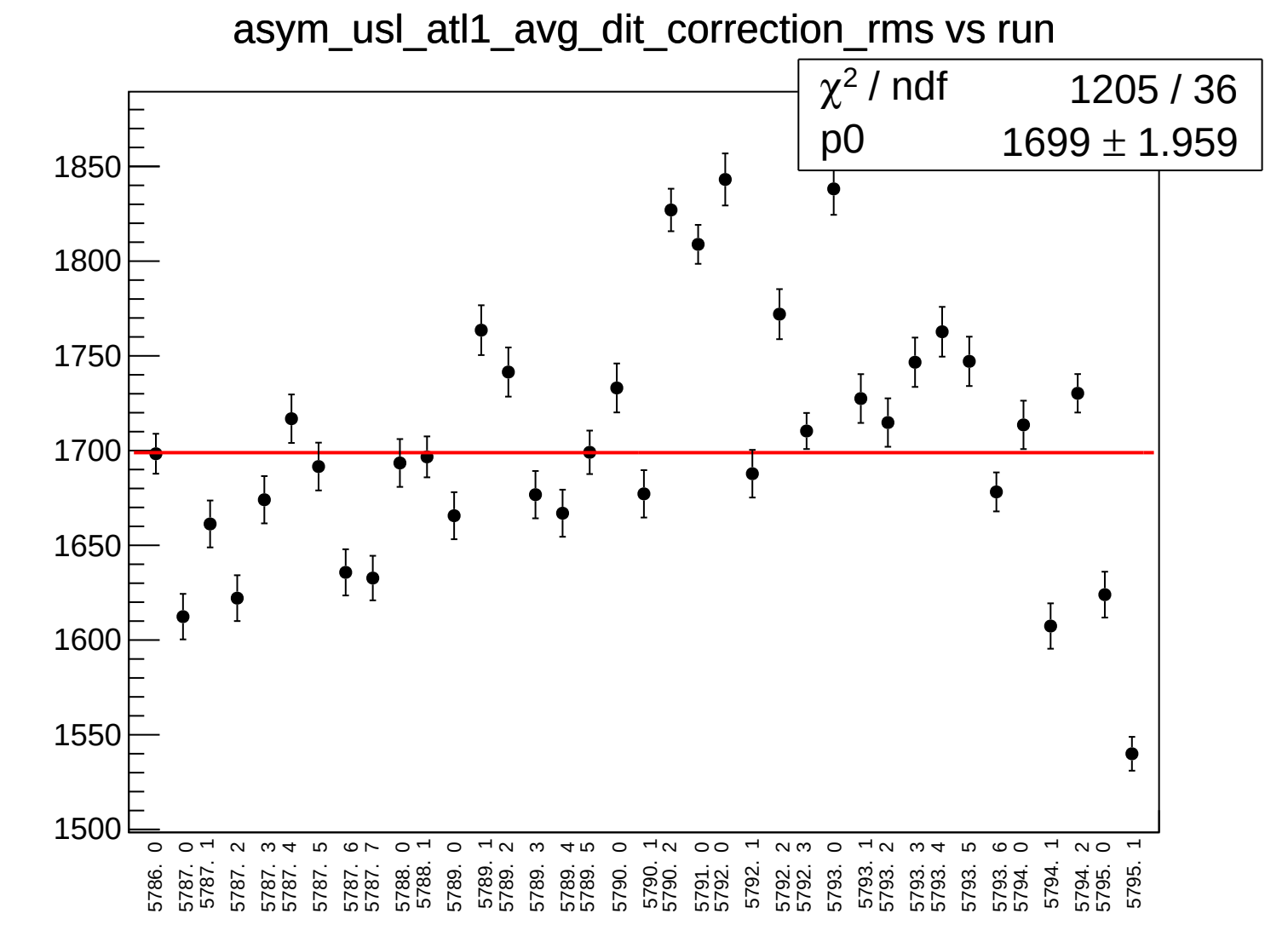
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

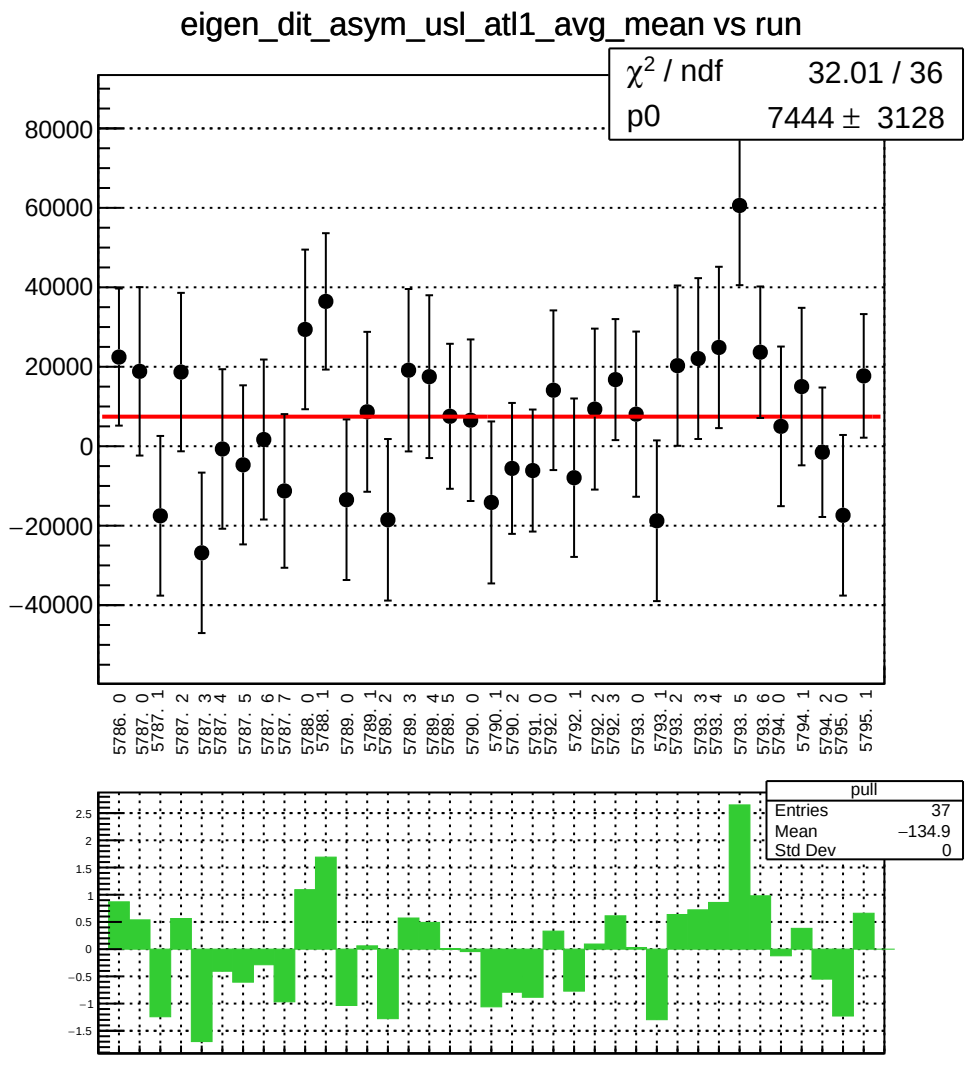

dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.01 / 36
p0 7444 ± 3128
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −134.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

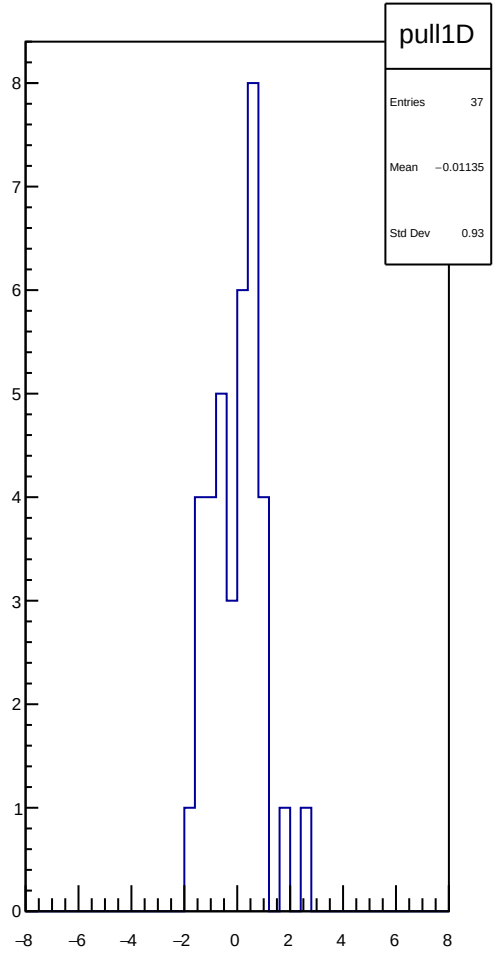

pull1D
Entries 37
Mean −0.01135
Std Dev 0.93
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

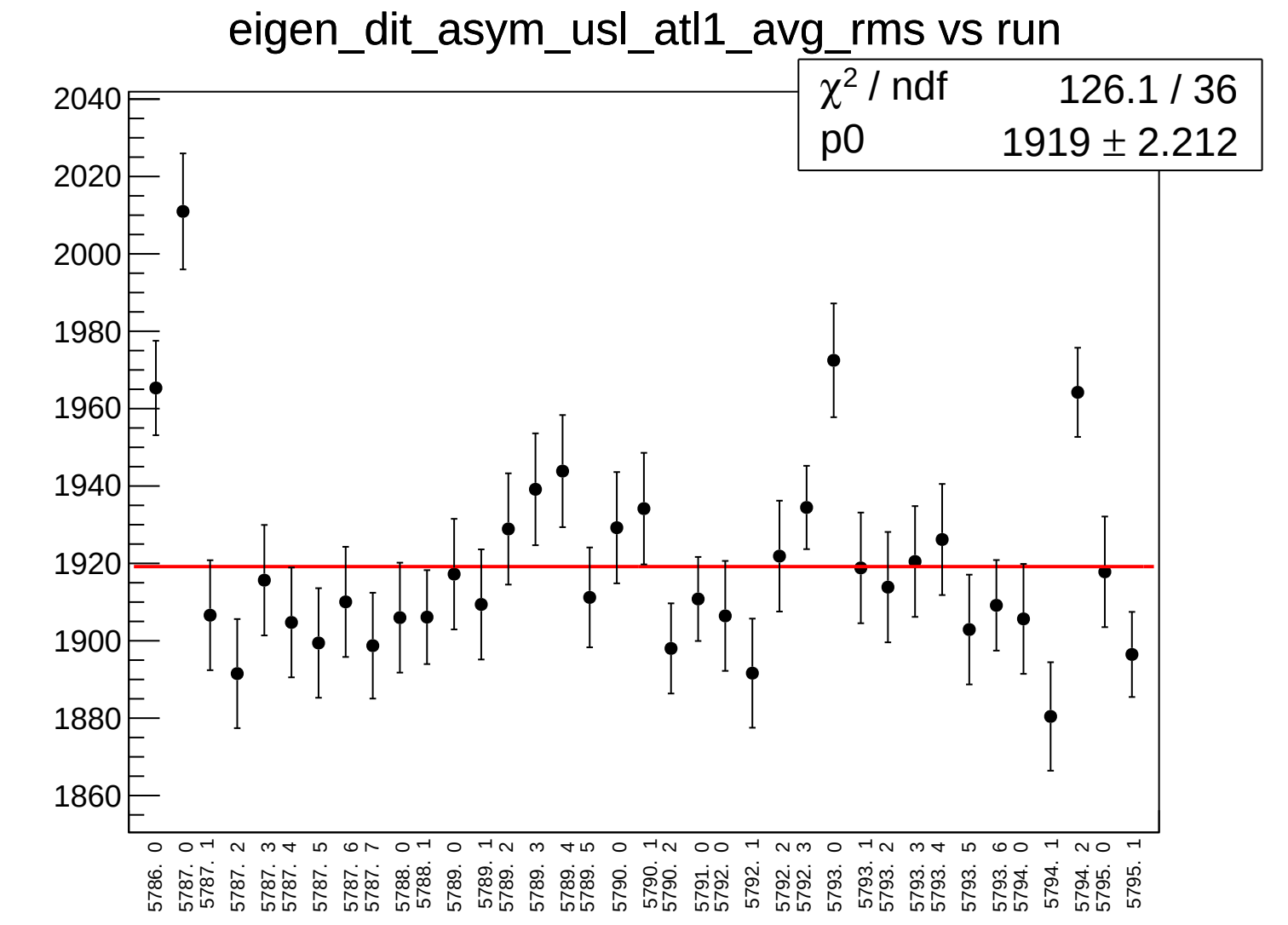

dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 126.1 / 36
p0 1919 ± 2.212
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

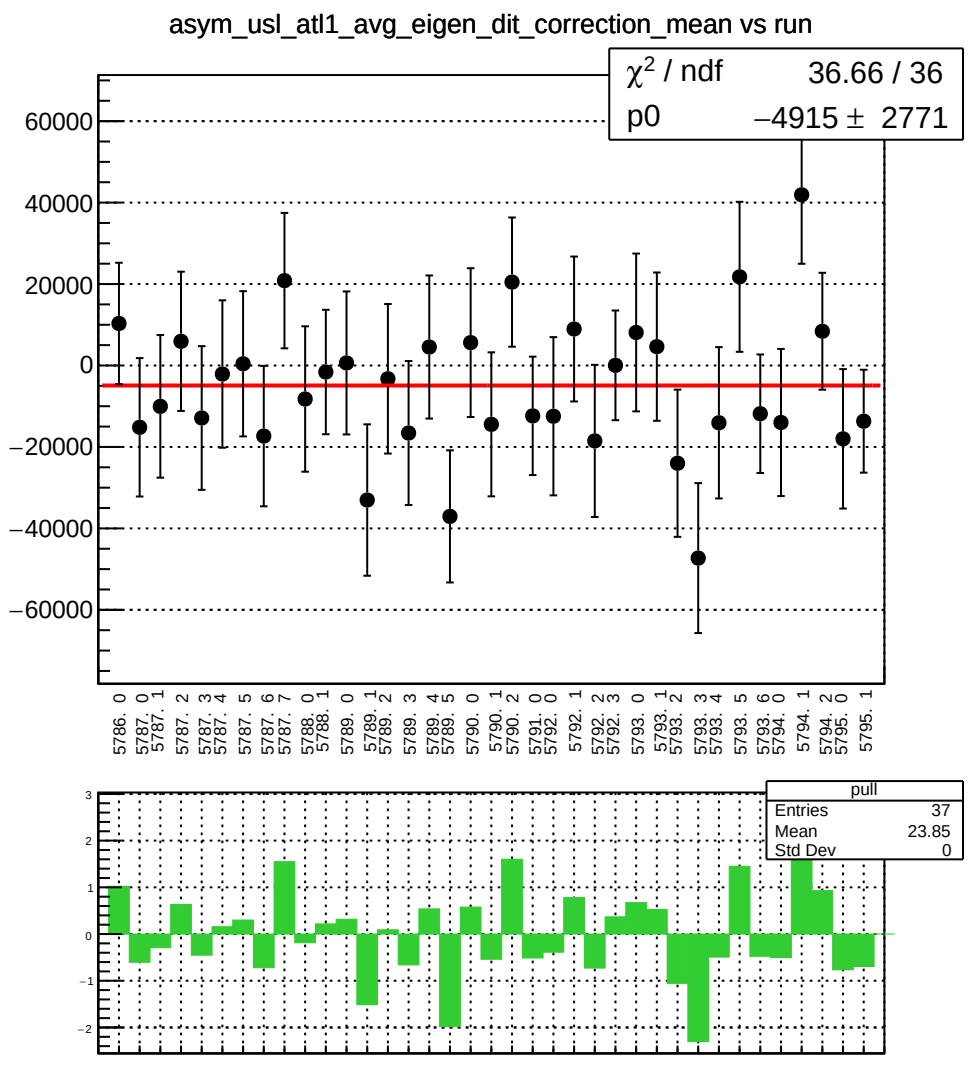

asym_usl_atl1_avg_dit_correction_mean vs run
χ² / ndf 36.66 / 36
p0 −4915 ± 2771
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01018
Std Dev 0.9954
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

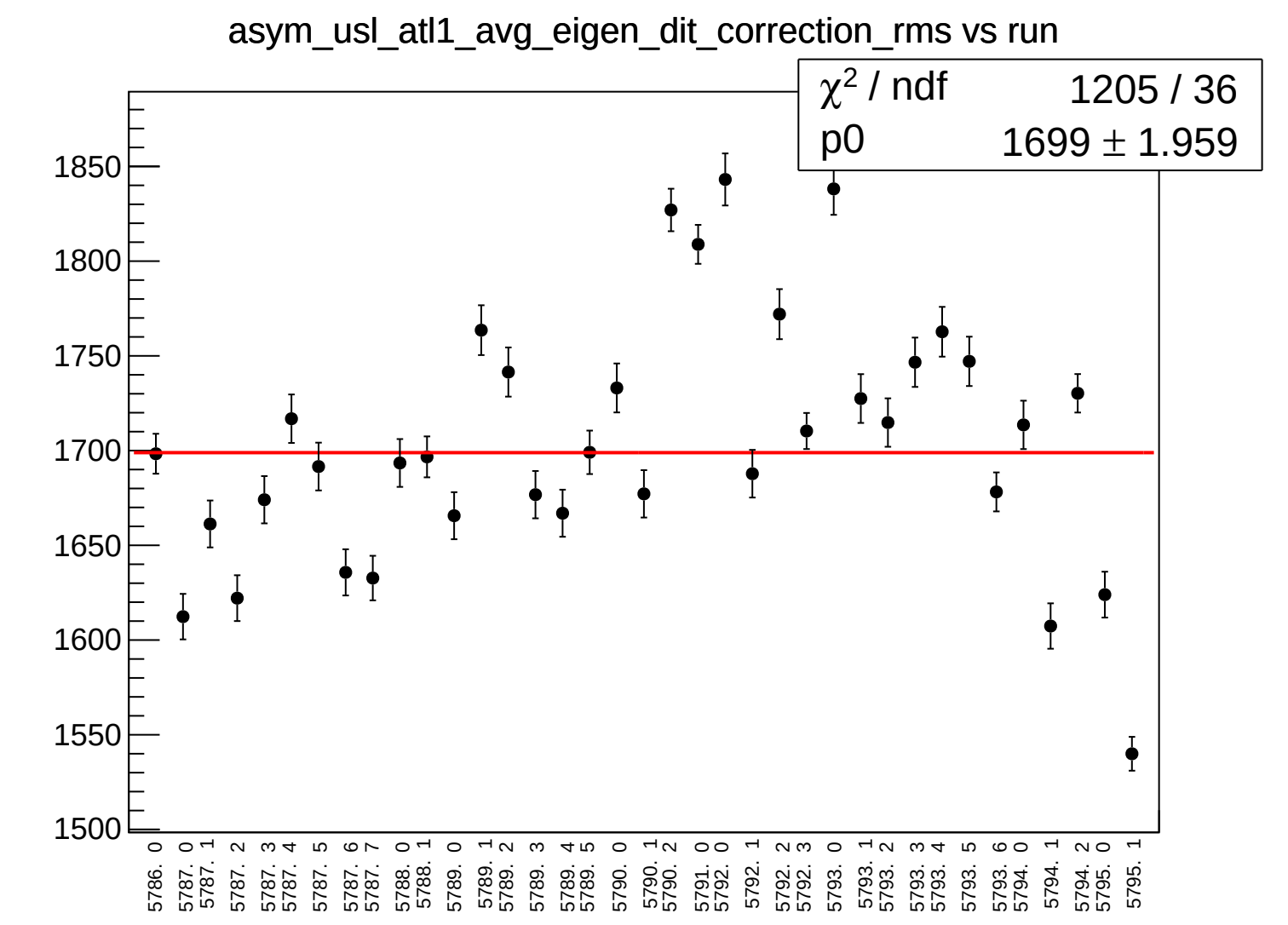

asym_usl_atl1_avg_dit_correction_rms vs run
χ² / ndf 1205 / 36
p0 1699 ± 1.959
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

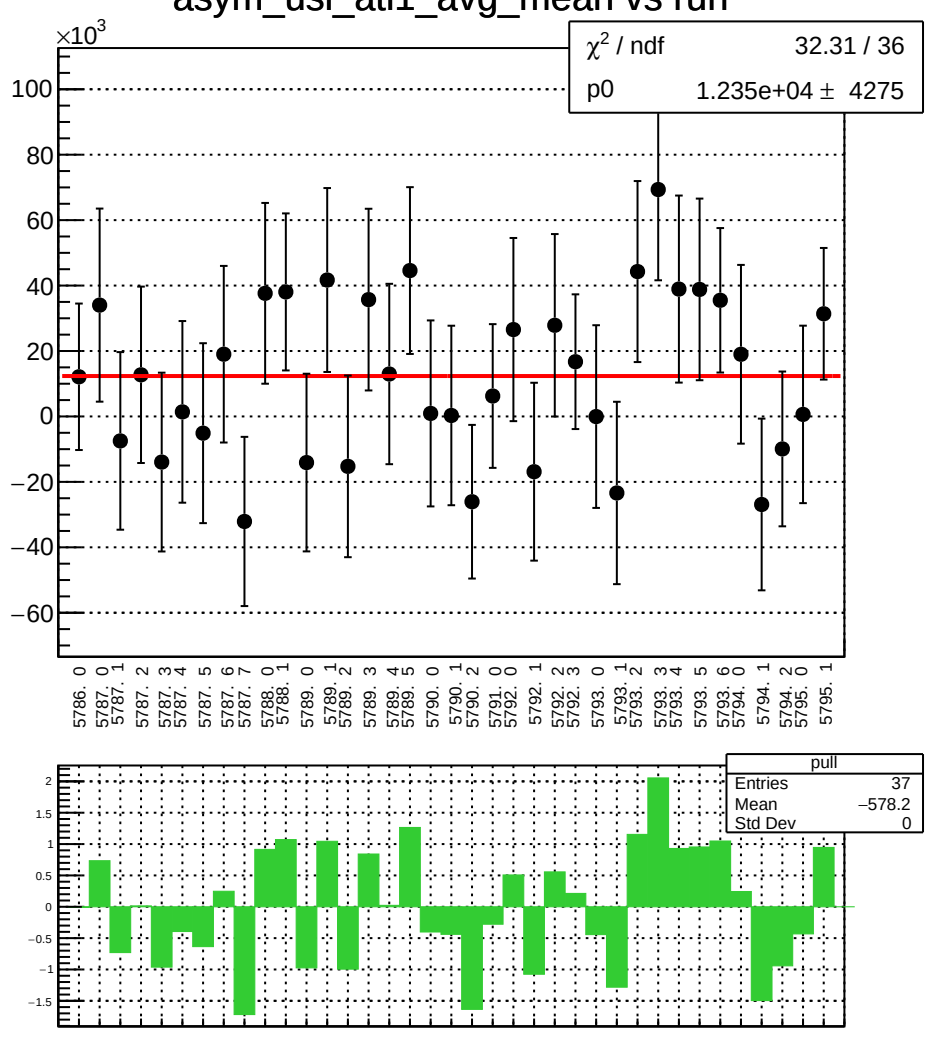

eigen_dit_asym_usl_atl1_avg_mean vs run
χ² / ndf 32.01 / 36
p0 7444 ± 3128
80000
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −134.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

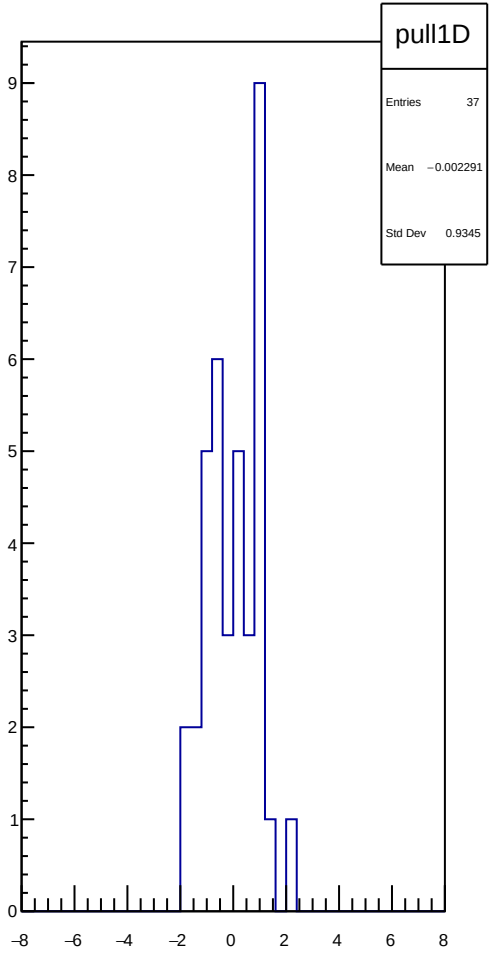

pull1D
Entries 37
Mean −0.01135
Std Dev 0.93
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

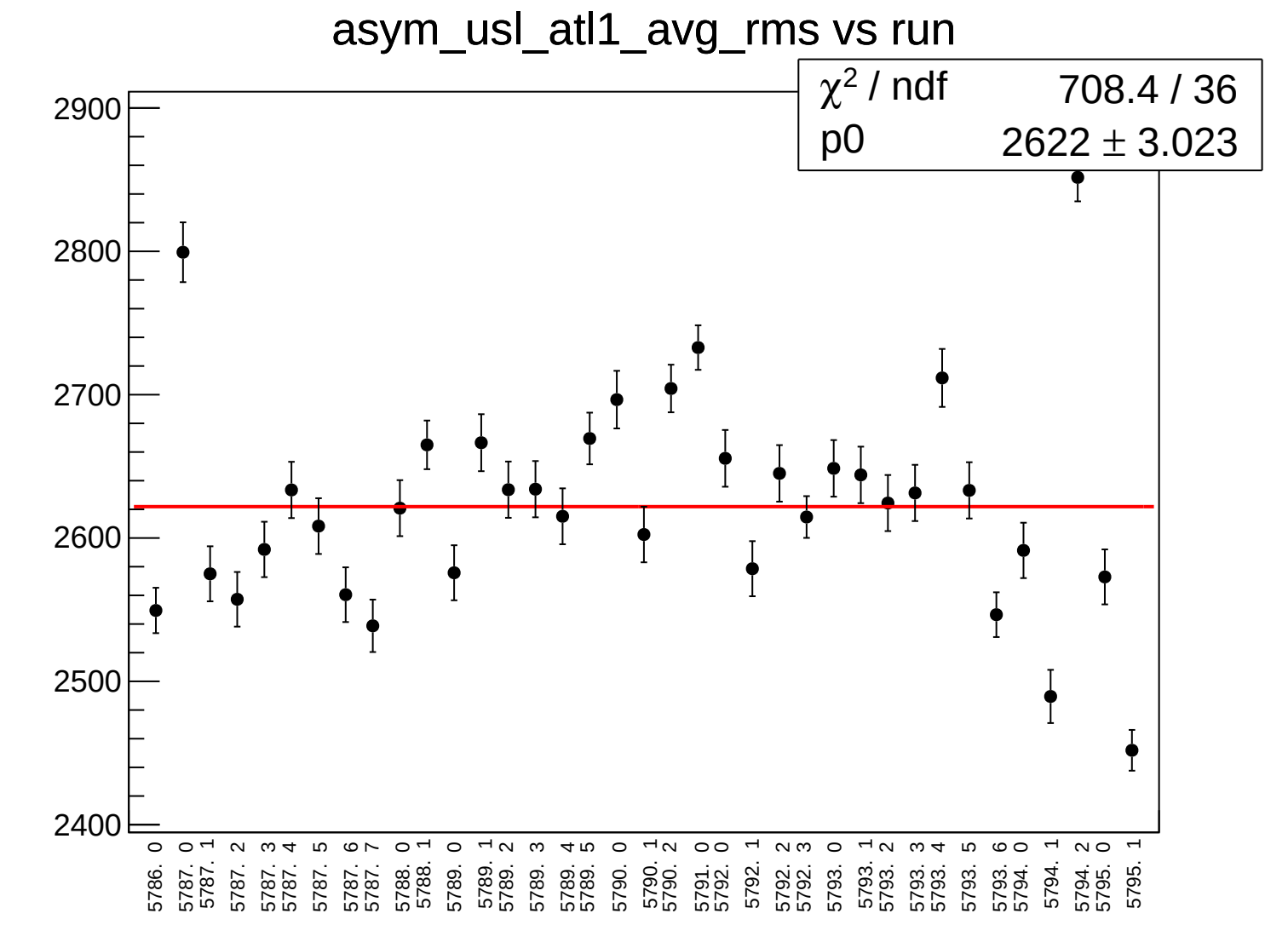

eigen_dit_asym_usl_atl1_avg_rms vs run
χ² / ndf 126.1 / 36
p0 1919 ± 2.212
2040
2020
2000
1980
1960
1940
1920
1900
1880
1860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

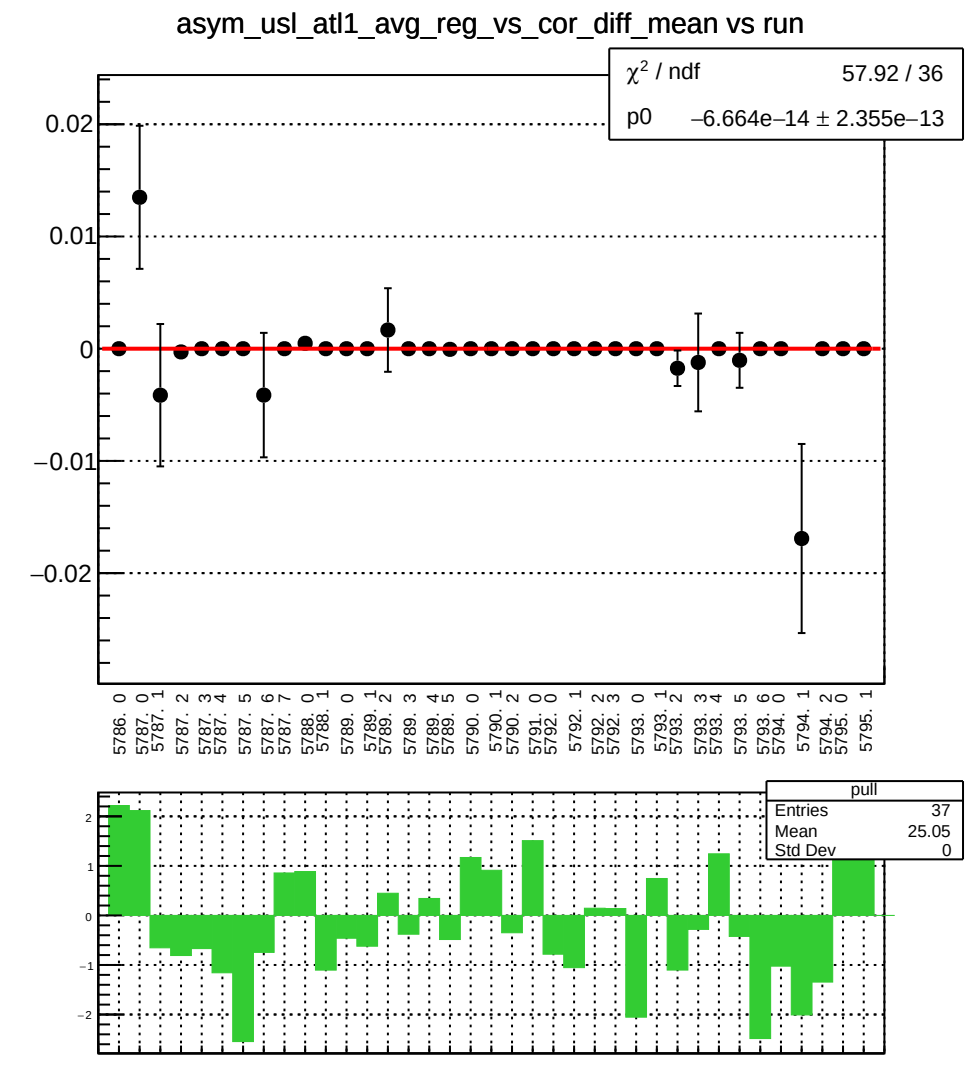

asym_usl_atl1_avg_eigen_dit_correction_mean vs run
χ² / ndf 36.66 / 36
p0 −4915 ± 2771
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.85
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01018
Std Dev 0.9954
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

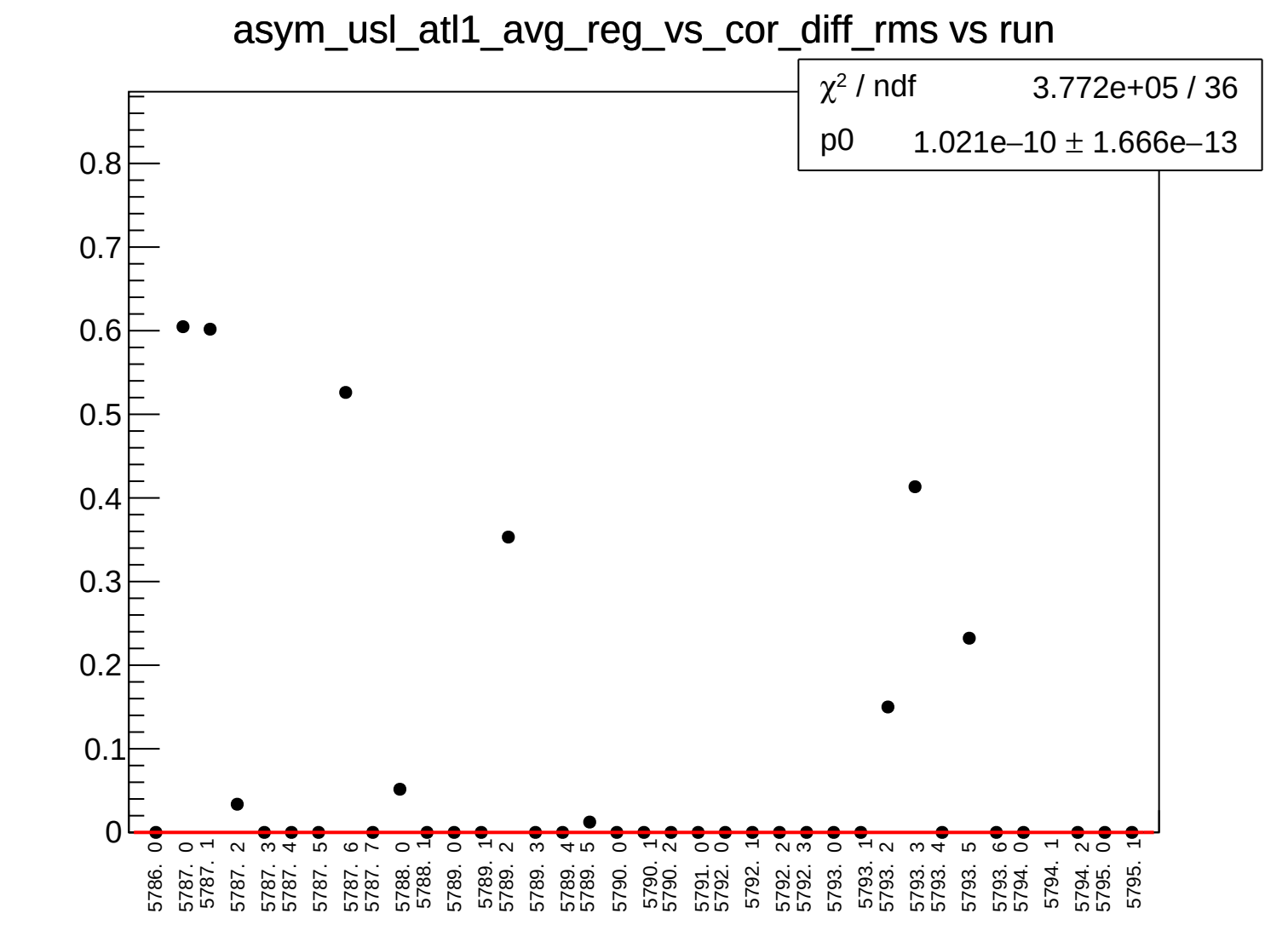

asym_usl_atl1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1205 / 36
p0 1699 ± 1.959
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

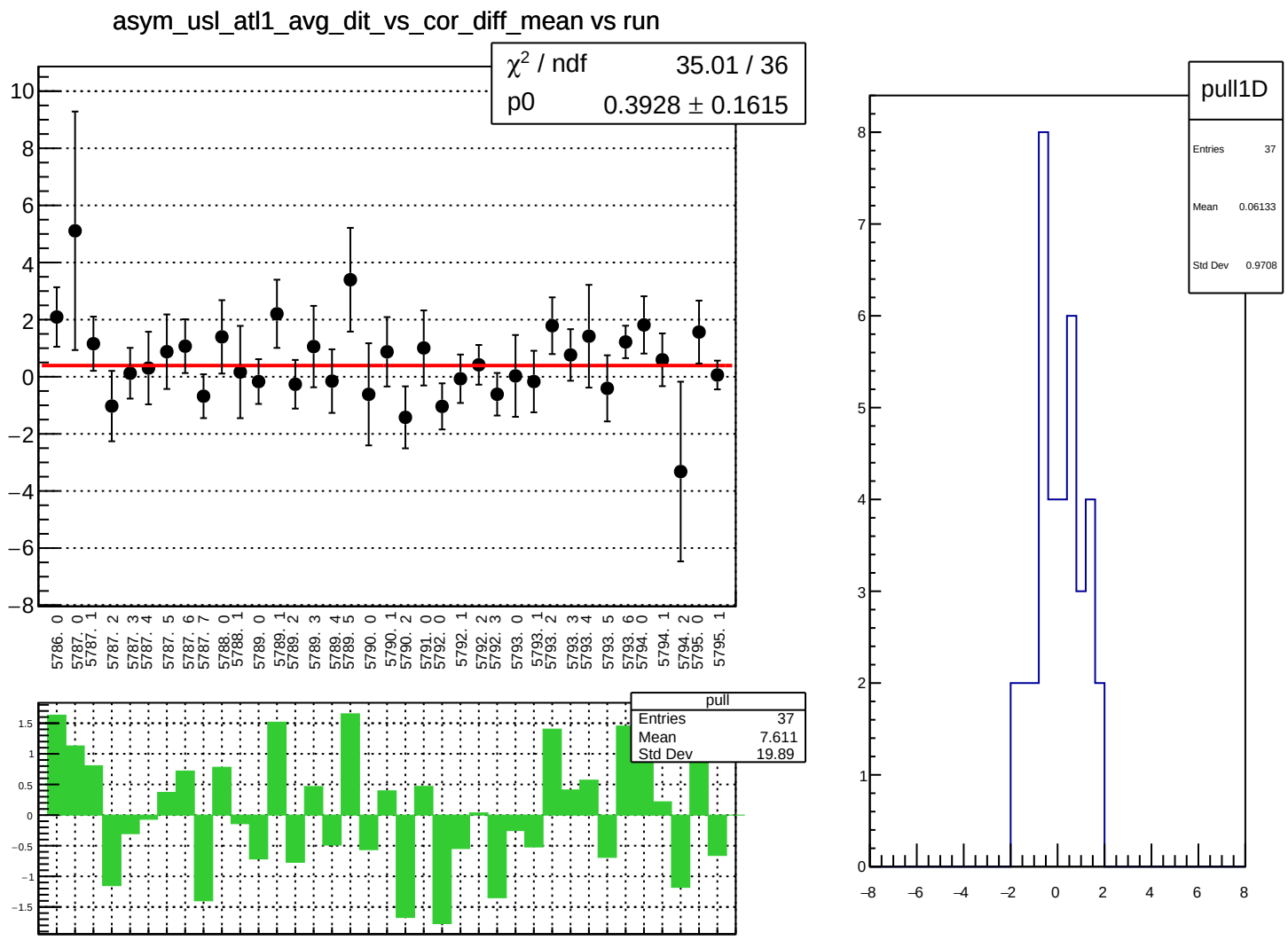

asym_usl_atl1_avg_mean vs run
×10^3
χ² / ndf 32.31 / 36
p0 1.235e+04 ± 4275
pull
Entries 37
Mean −578.2
Std Dev 0

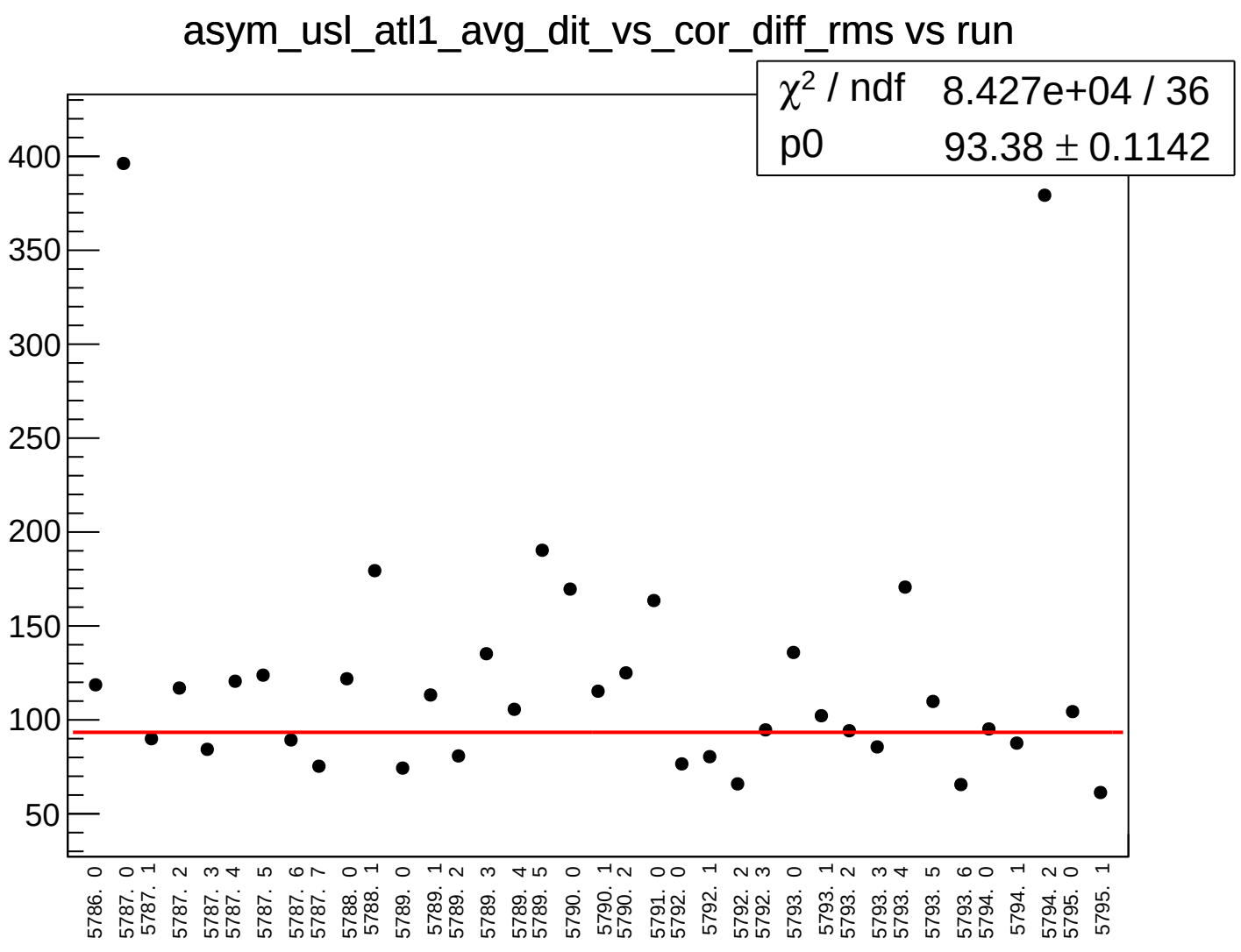

pull1D
Entries 37
Mean −0.002291
Std Dev 0.9345

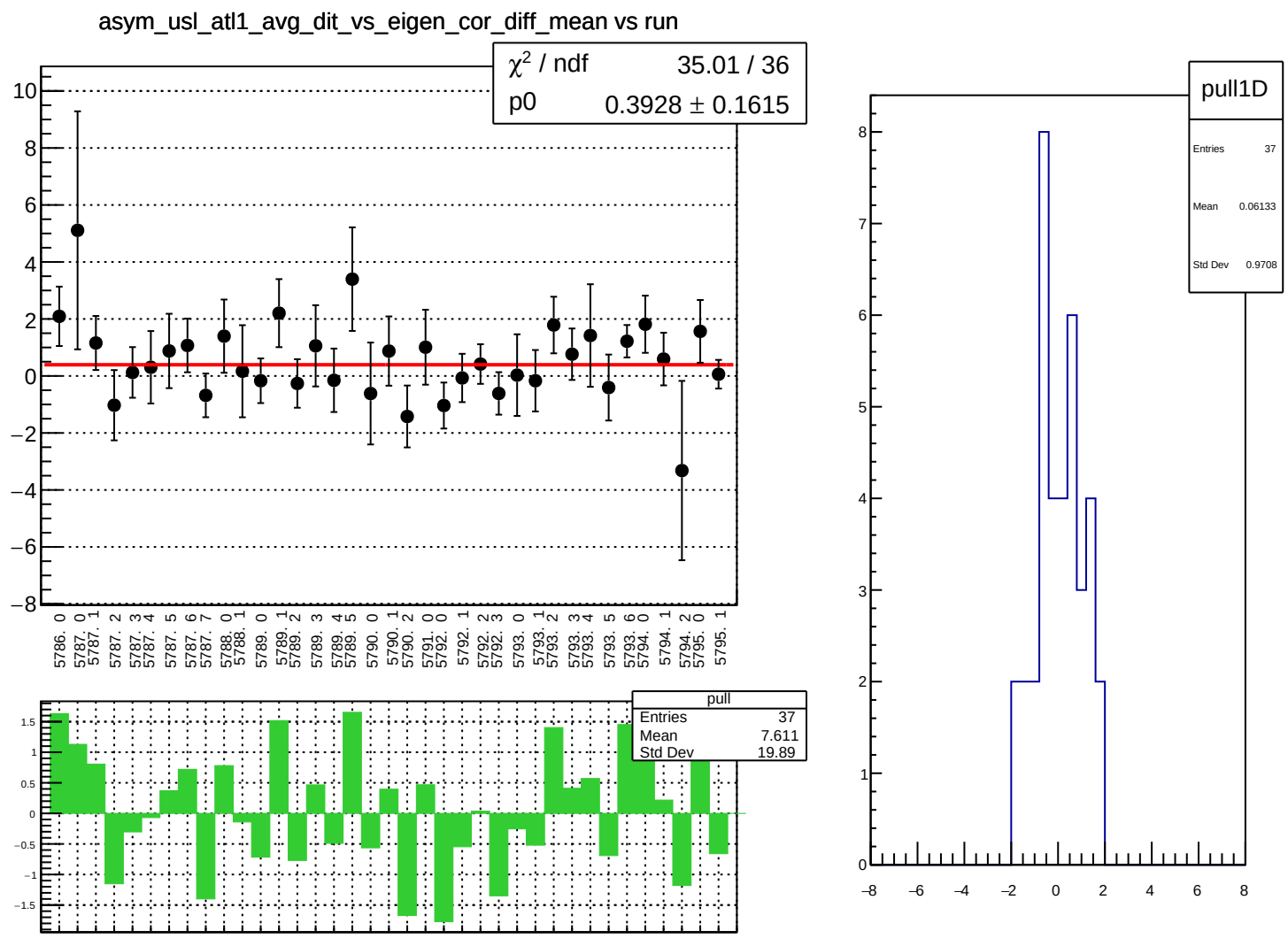

asym_usl_atl1_avg_rms vs run
χ² / ndf 708.4 / 36
p0 2622 ± 3.023
2900
2800
2700
2600
2500
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

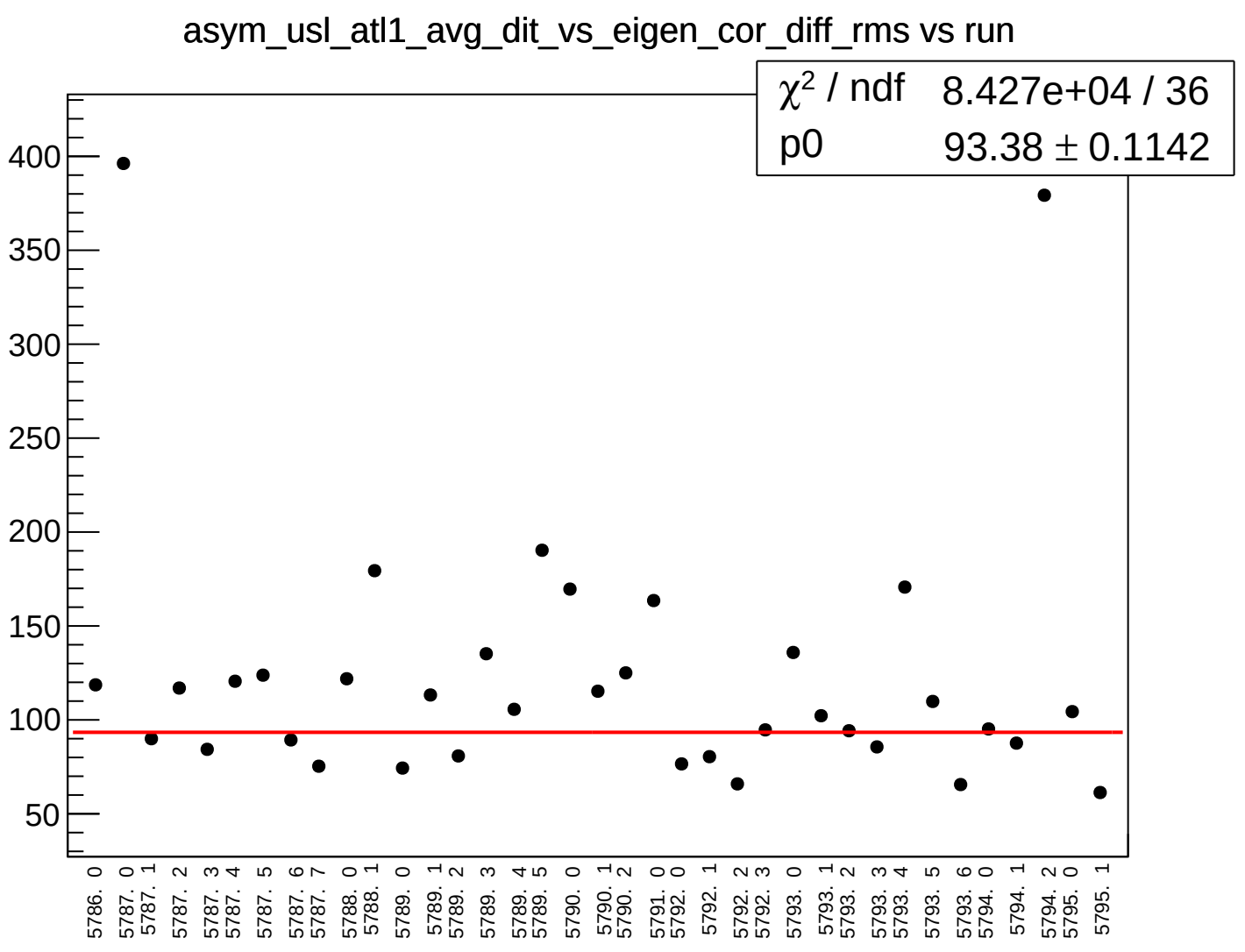

asym_usl_atl1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 57.92 / 36
p0 −6.664e−14 ± 2.355e−13
0.02
0.01
0
−0.01
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.1628
Std Dev 1.241
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

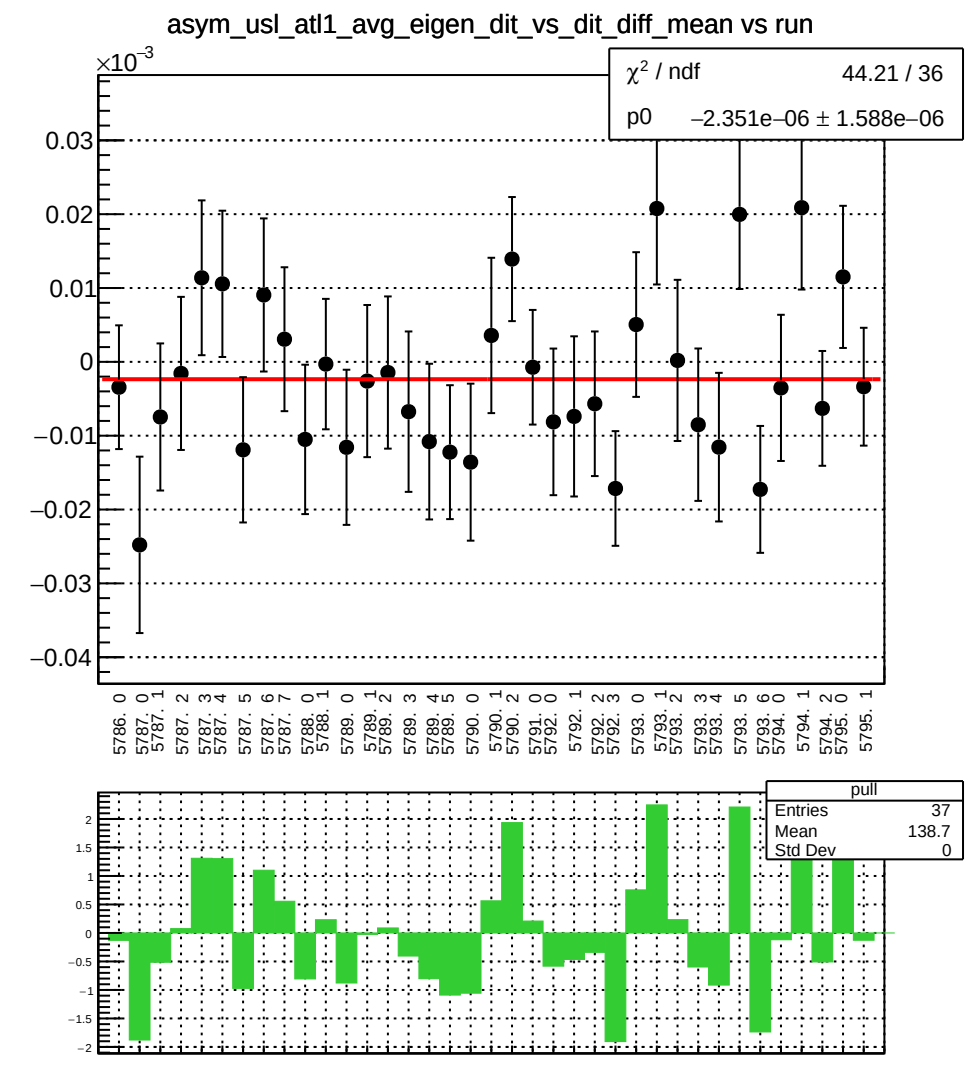

asym_usl_atl1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.772e+05 / 36
p0 1.021e−10 ± 1.666e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

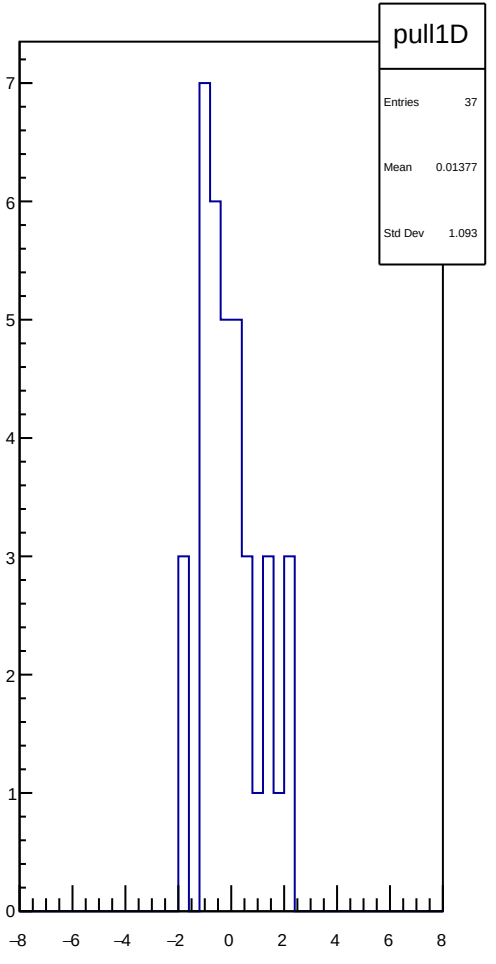

asym_usl_atl1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 35.01 / 36
p0 0.3928 ± 0.1615
pull
Entries 37
Mean 7.611
Std Dev 19.89
pull1D
Entries 37
Mean 0.06133
Std Dev 0.9708

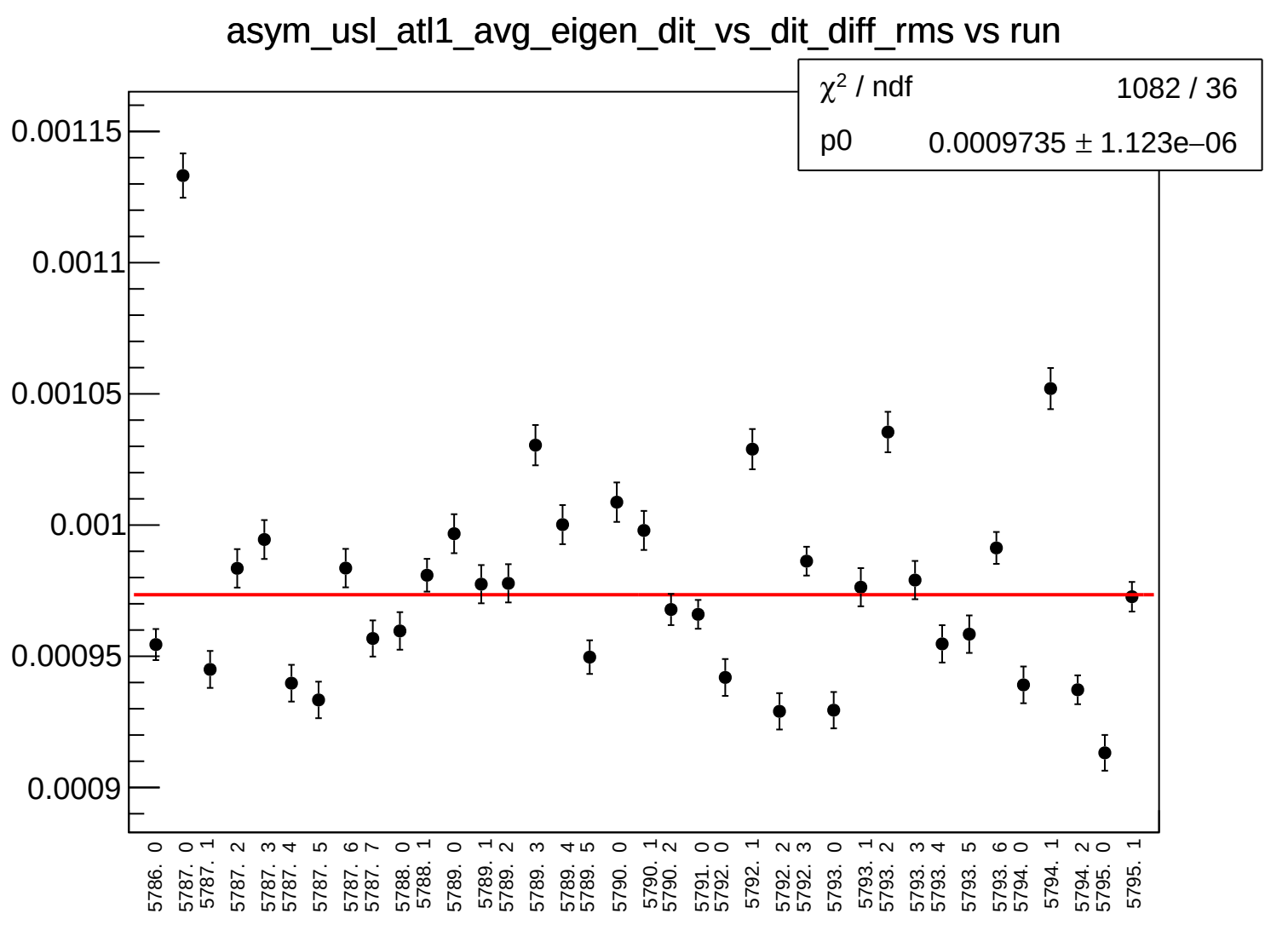

asym_usl_atl1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.427e+04 / 36
p0 93.38 ± 0.1142
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

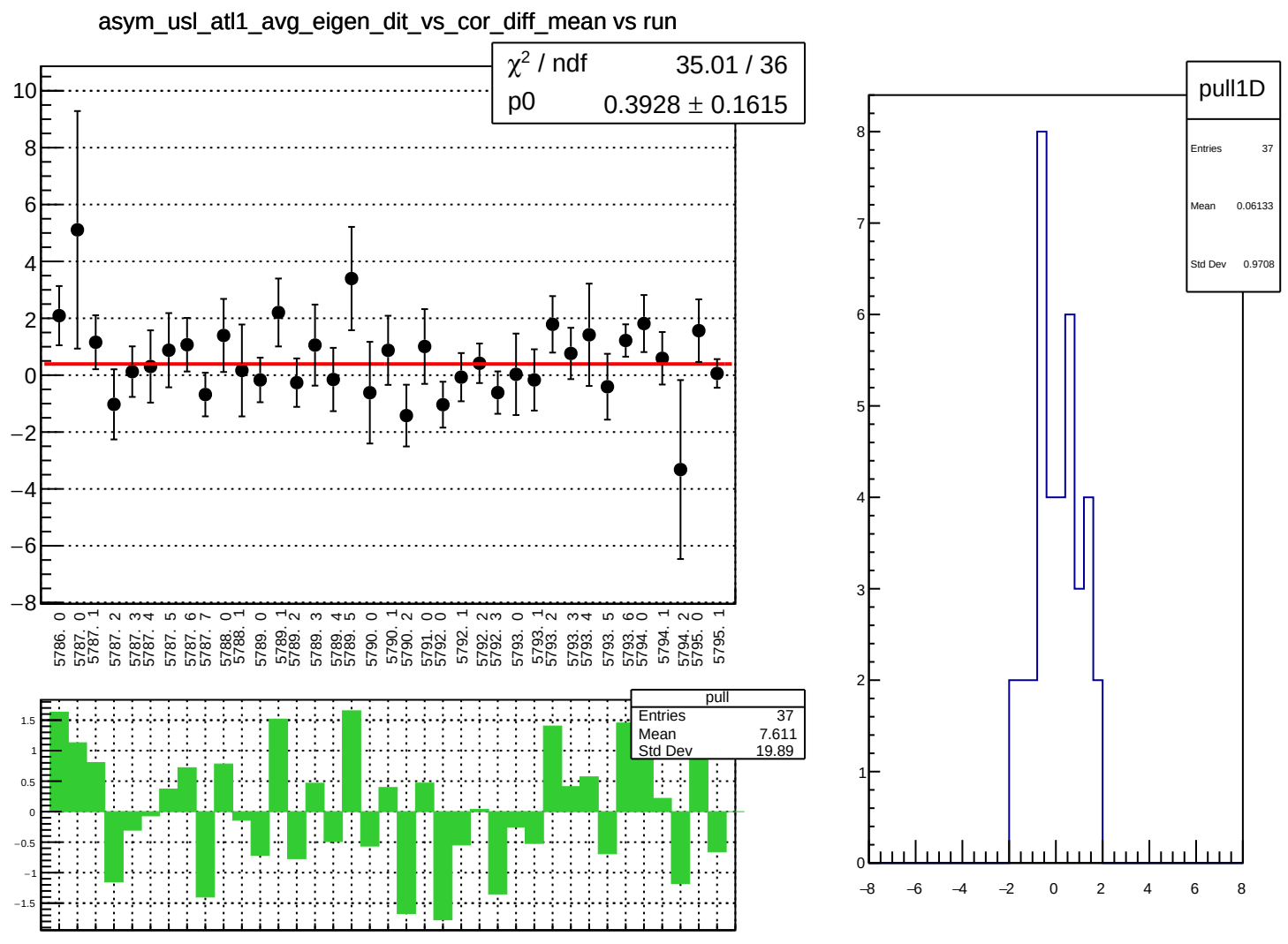

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.01 / 36
p0 0.3928 ± 0.1615
pull
Entries 37
Mean 7.611
Std Dev 19.89
pull1D
Entries 37
Mean 0.06133
Std Dev 0.9708

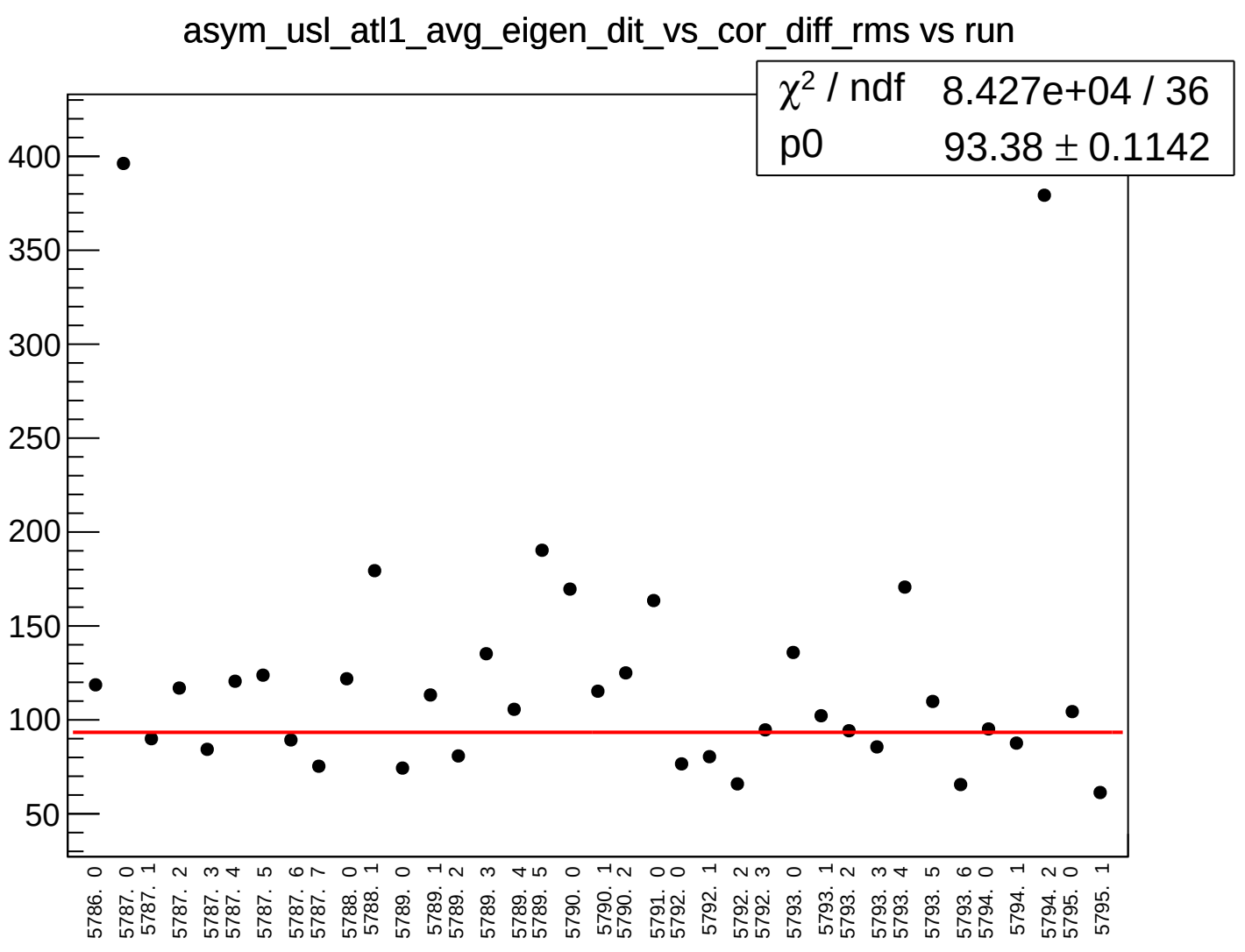

asym_usl_atl1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.427e+04 / 36
p0 93.38 ± 0.1142
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

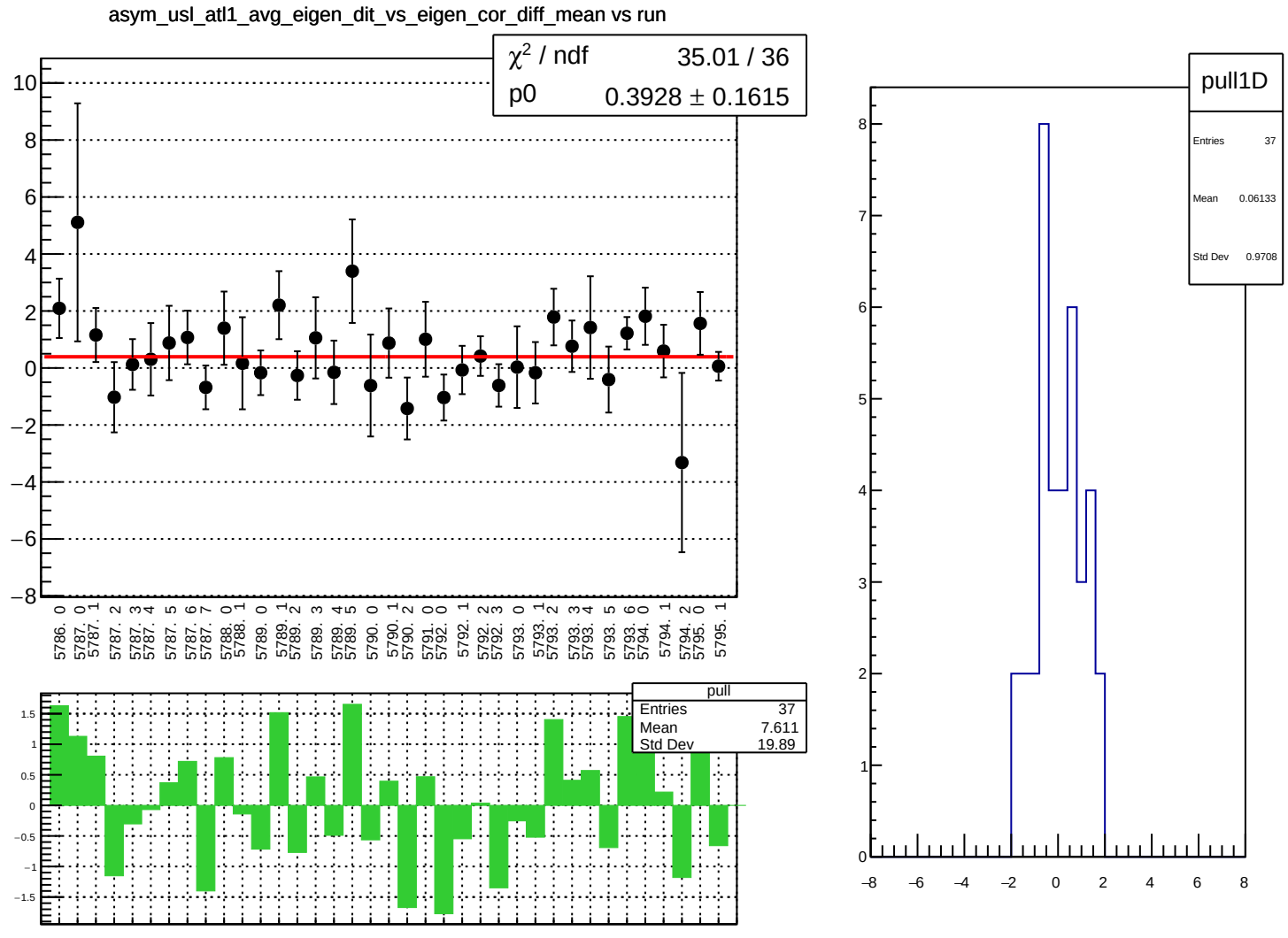

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.21 / 36
p0 −2.351e−06 ± 1.588e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 138.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

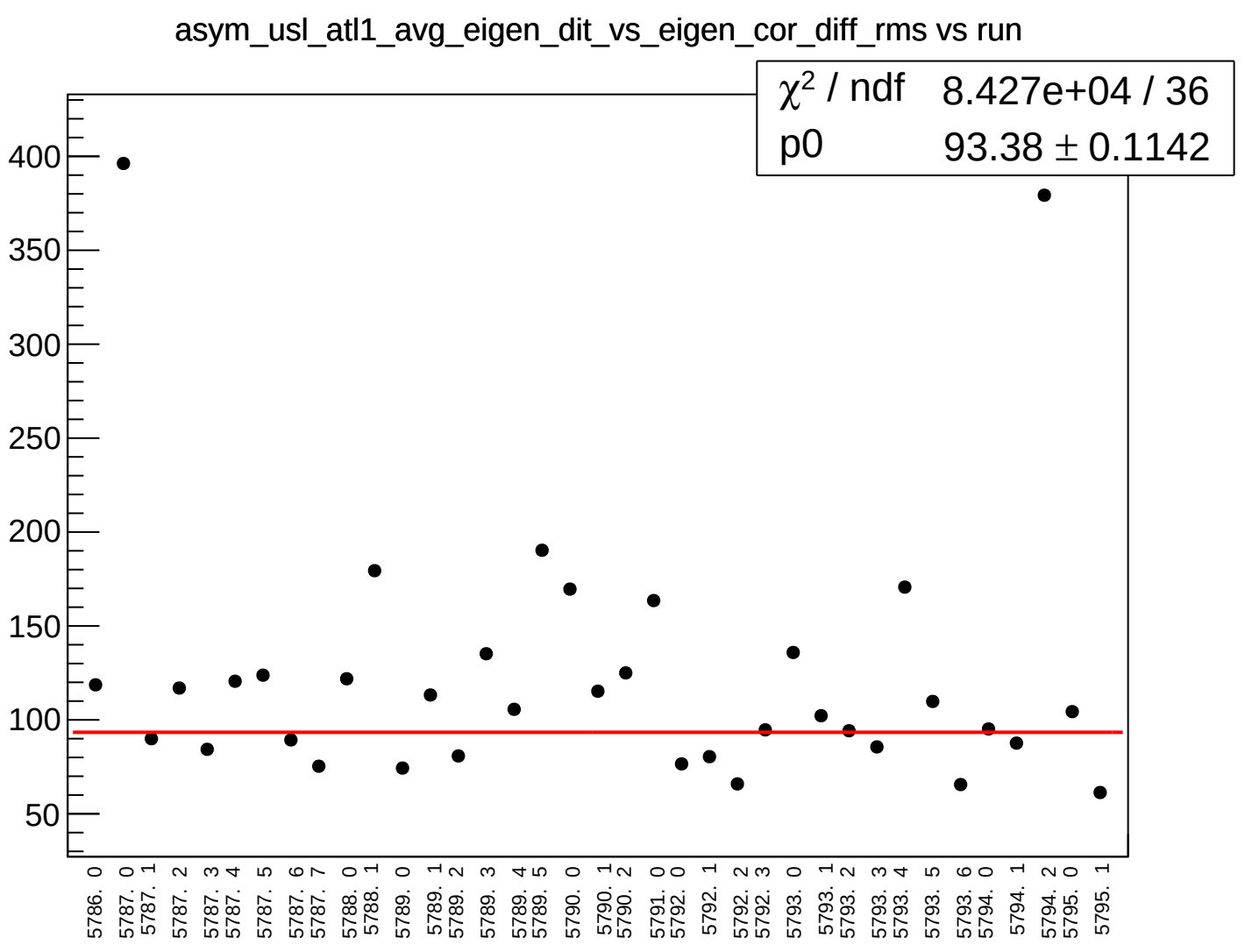

pull1D
Entries 37
Mean 0.01377
Std Dev 1.093
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

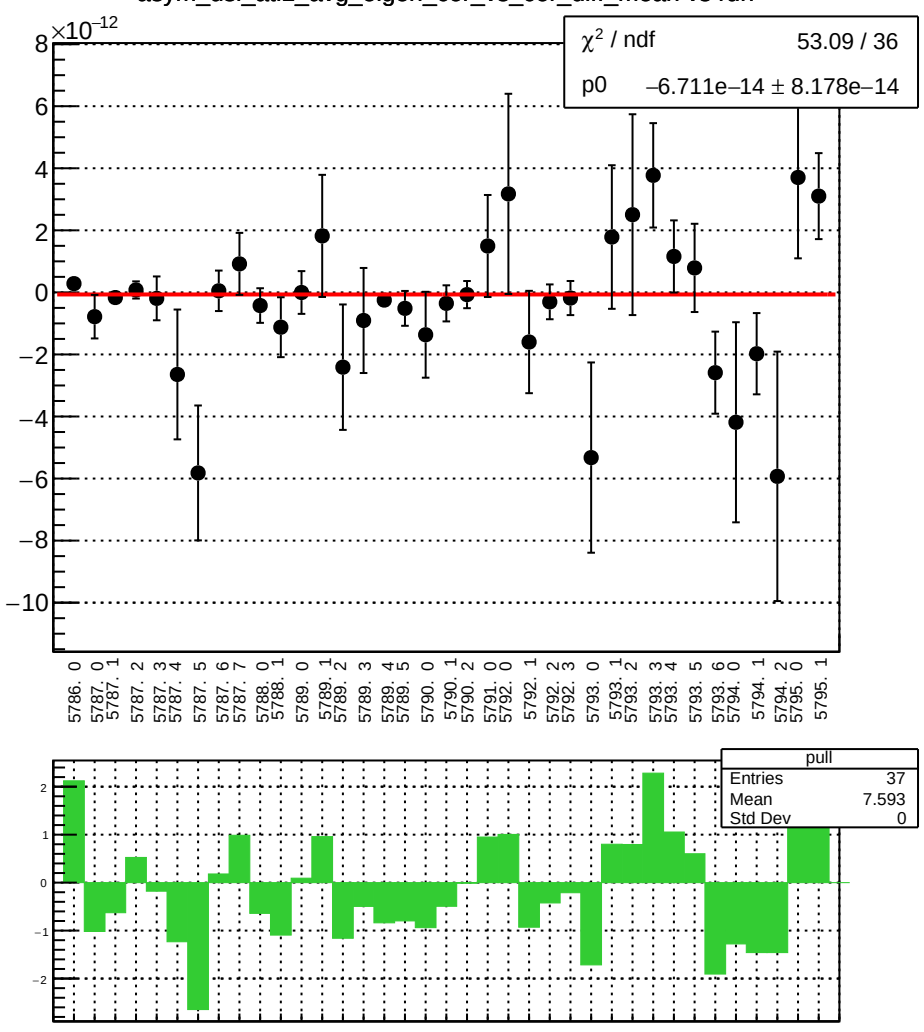

asym_usl_atl1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1082 / 36
p0 0.0009735 ± 1.123e−06
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

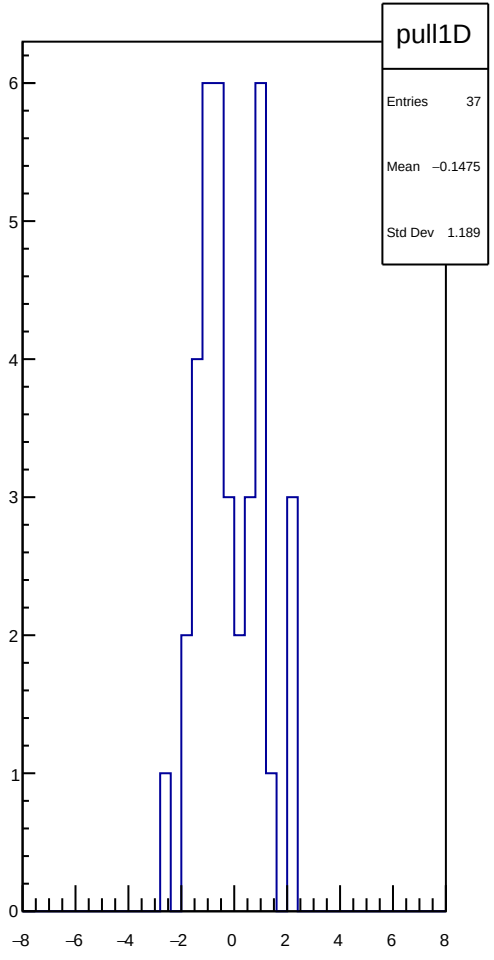

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 35.01 / 36
p0 0.3928 ± 0.1615
pull
Entries 37
Mean 7.611
Std Dev 19.89
pull1D
Entries 37
Mean 0.06133
Std Dev 0.9708

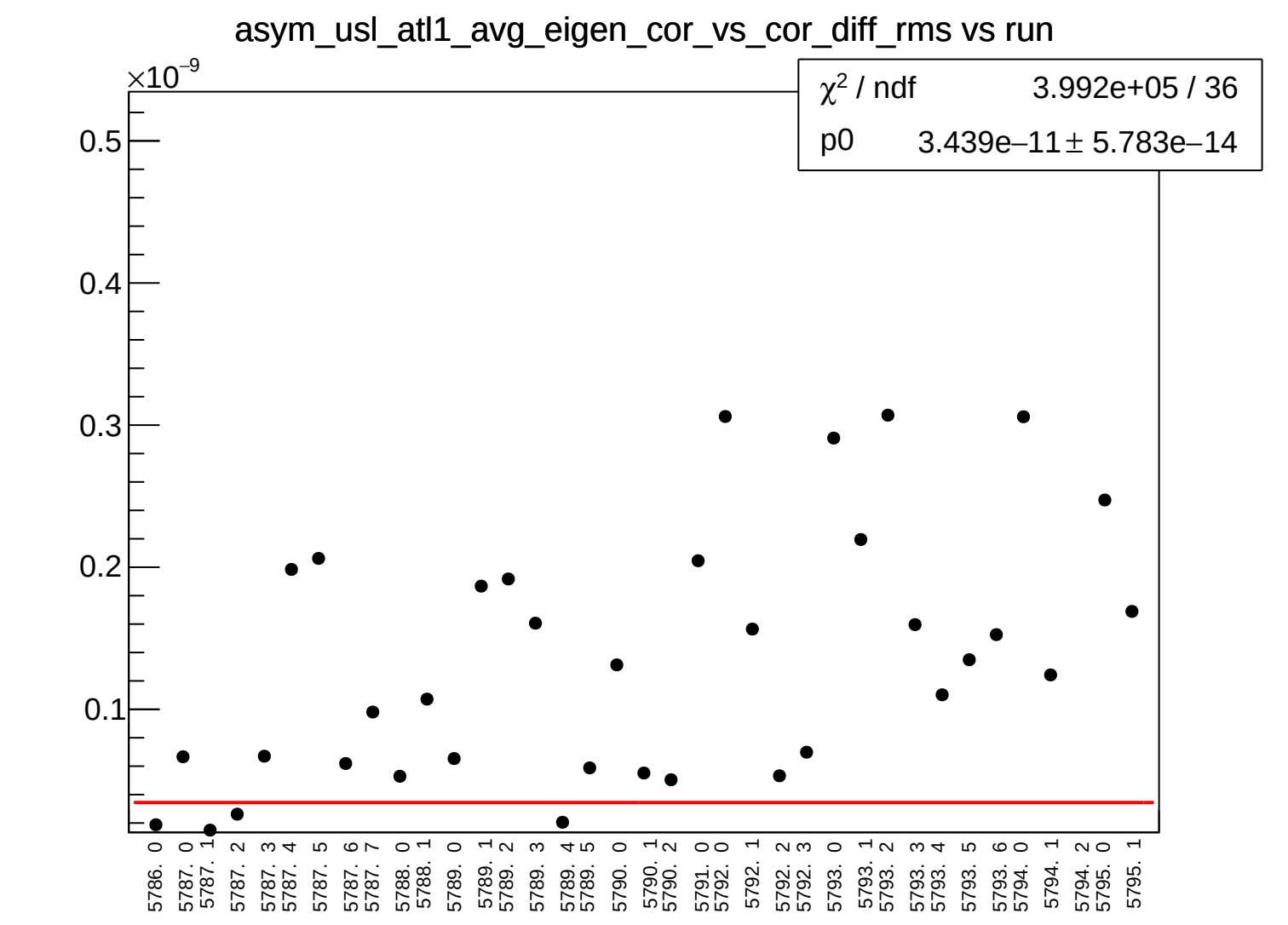

asym_usl_atl1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.427e+04 / 36
p0 93.38 ± 0.1142
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

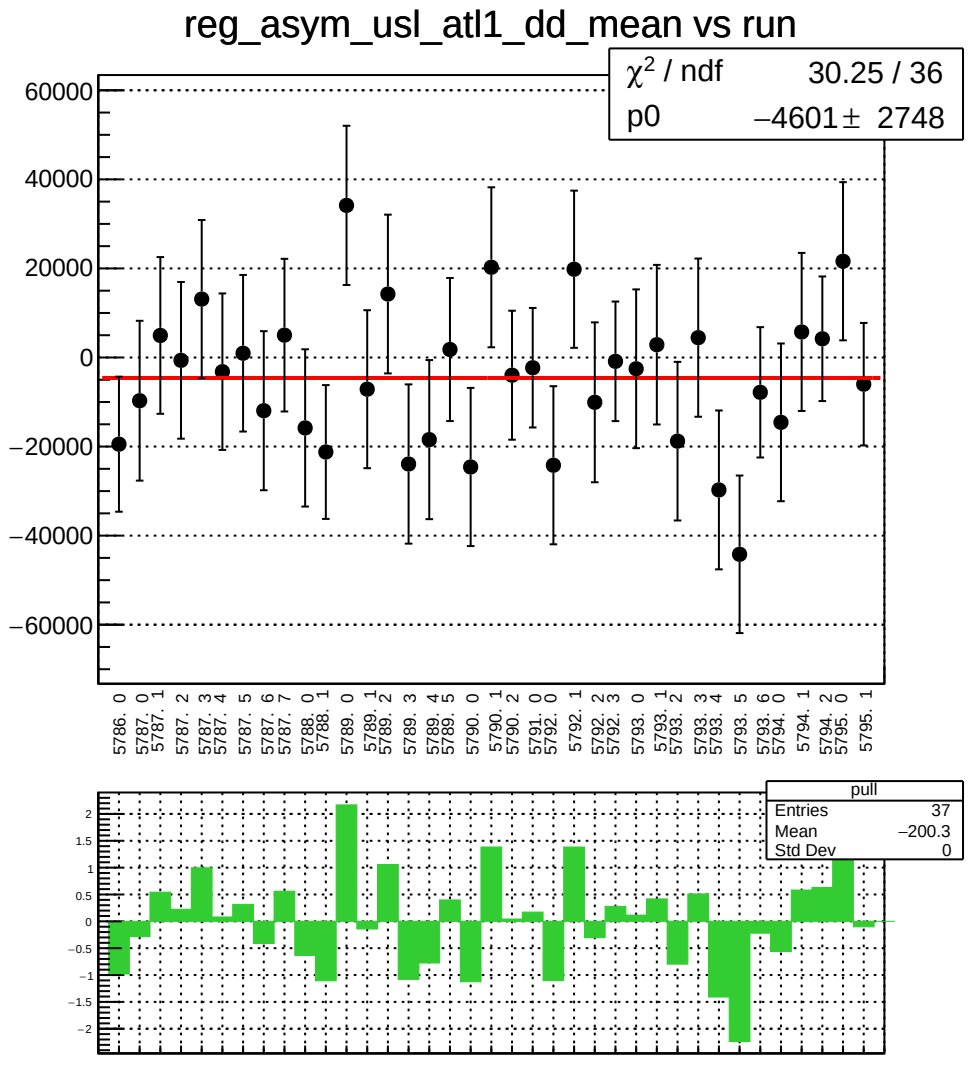

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 35.01 / 36
p0 0.3928 ± 0.1615
pull
Entries 37
Mean 7.611
Std Dev 19.89
pull1D
Entries 37
Mean 0.06133
Std Dev 0.9708

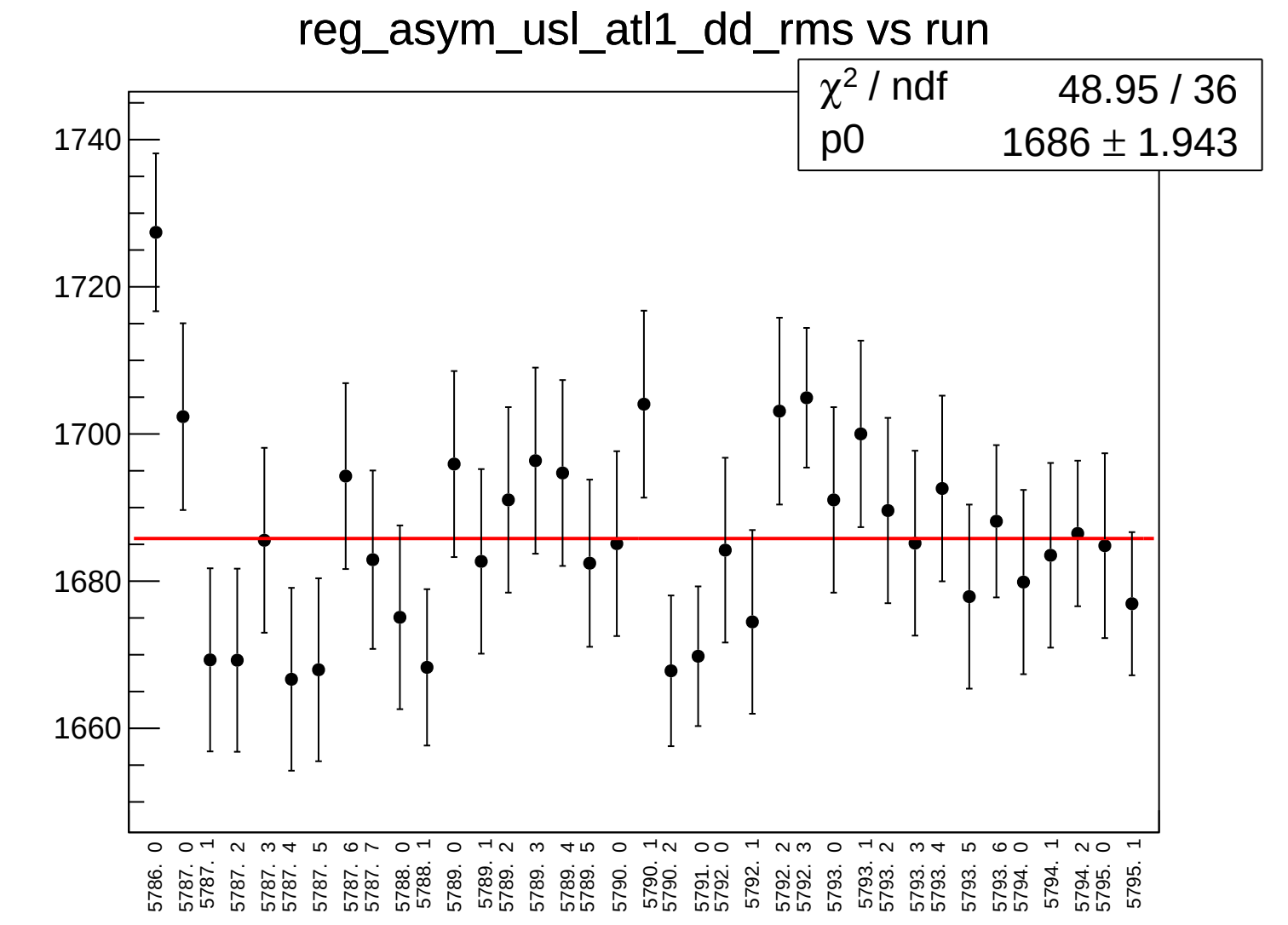

asym_usl_atl1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.427e+04 / 36
p0 93.38 ± 0.1142
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

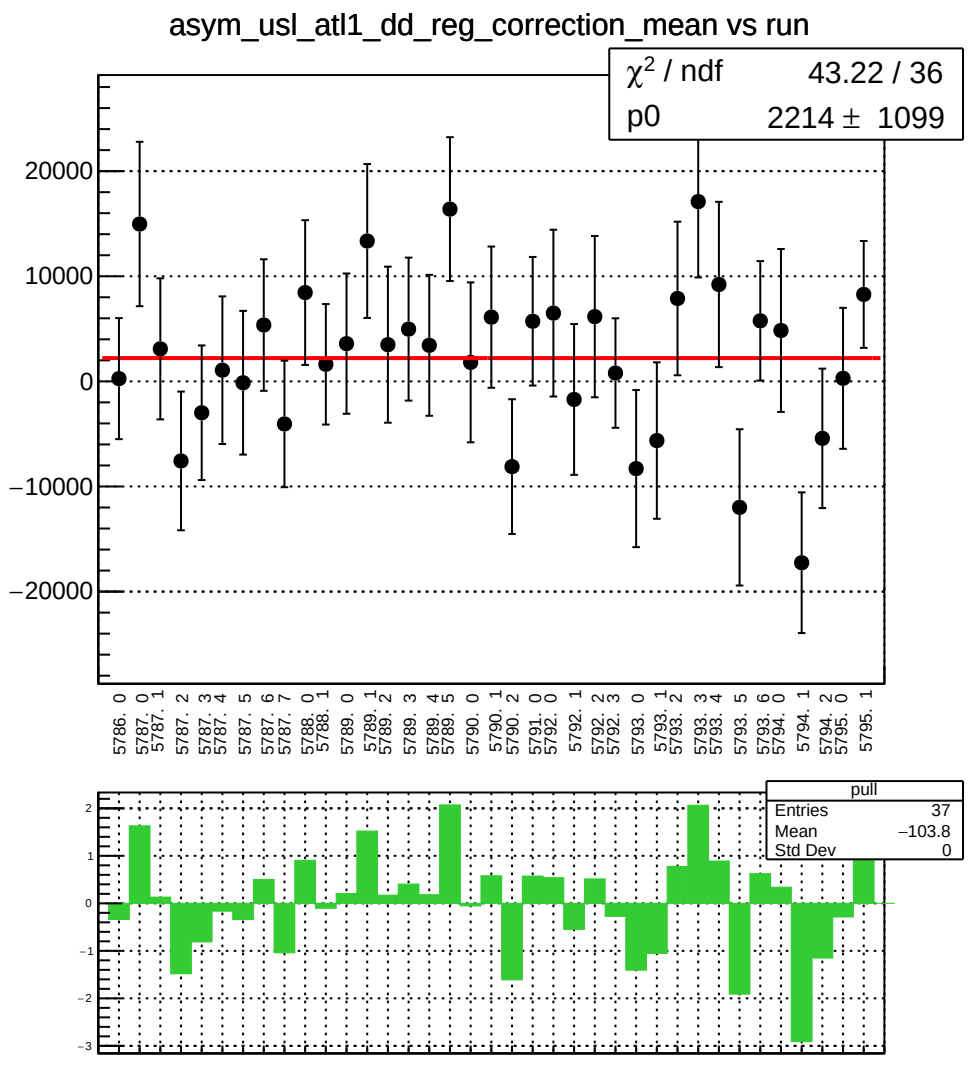

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.09 / 36
p0 −6.711e−14 ± 8.178e−14
pull
Entries 37
Mean 7.593
Std Dev 0

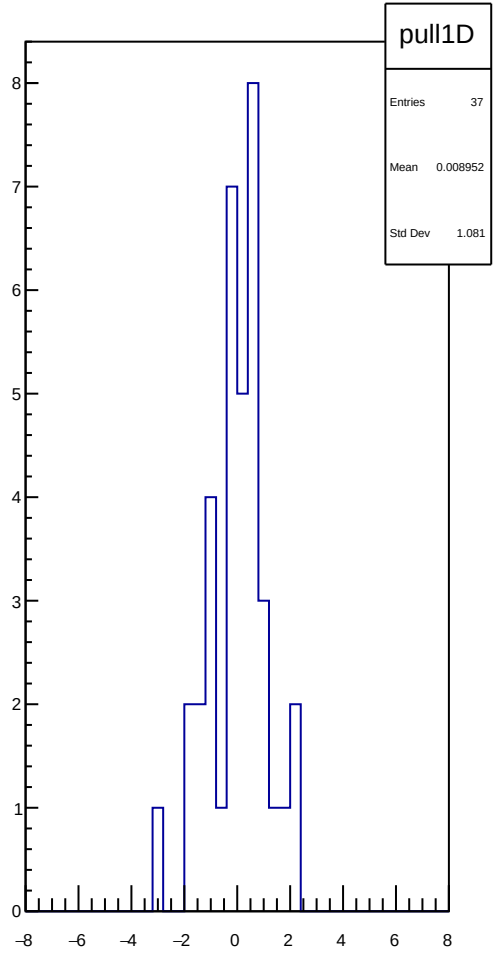

pull1D
Entries 37
Mean −0.1475
Std Dev 1.189

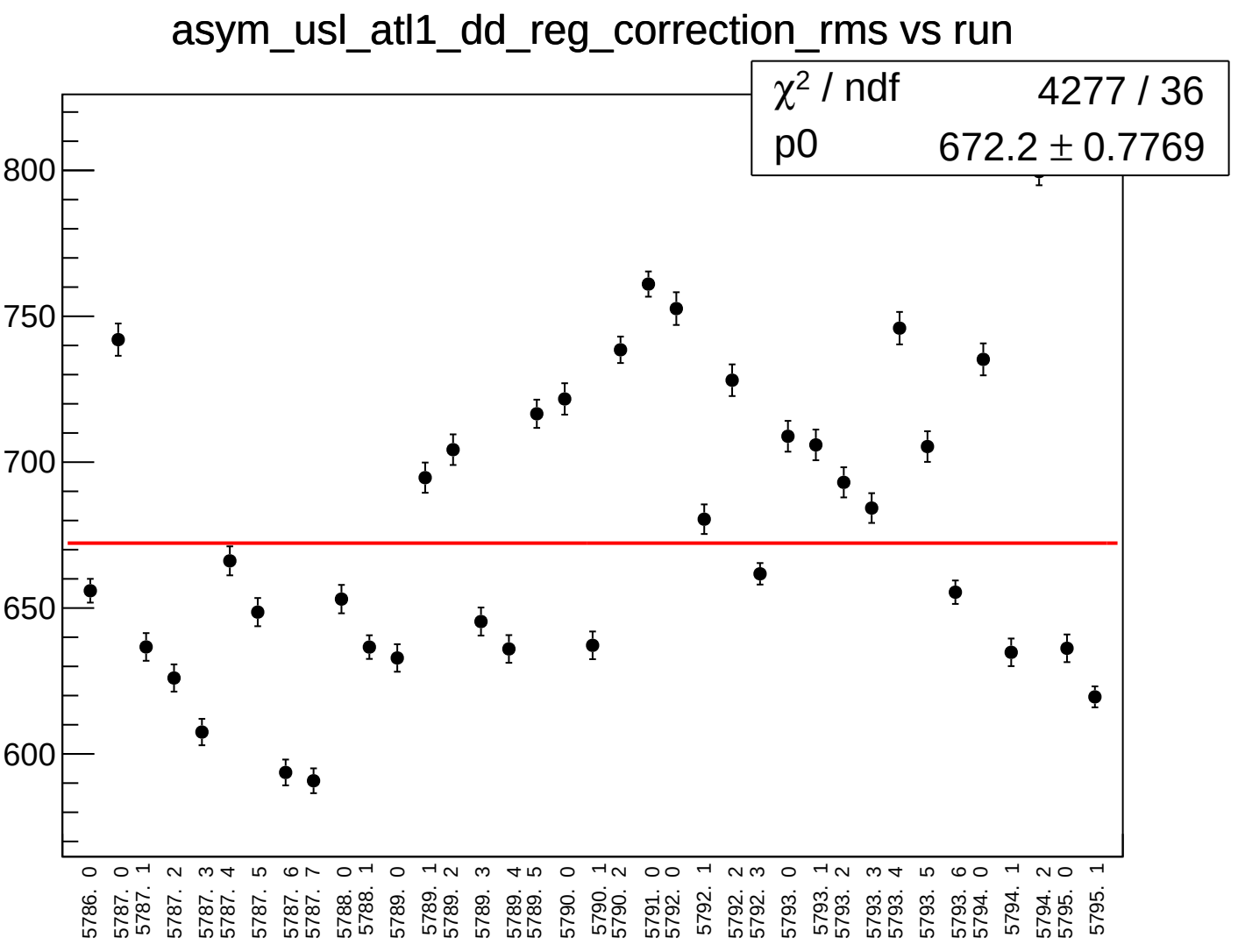

asym_usl_atl1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.992e+05 / 36
p0 3.439e−11 ± 5.783e−14
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

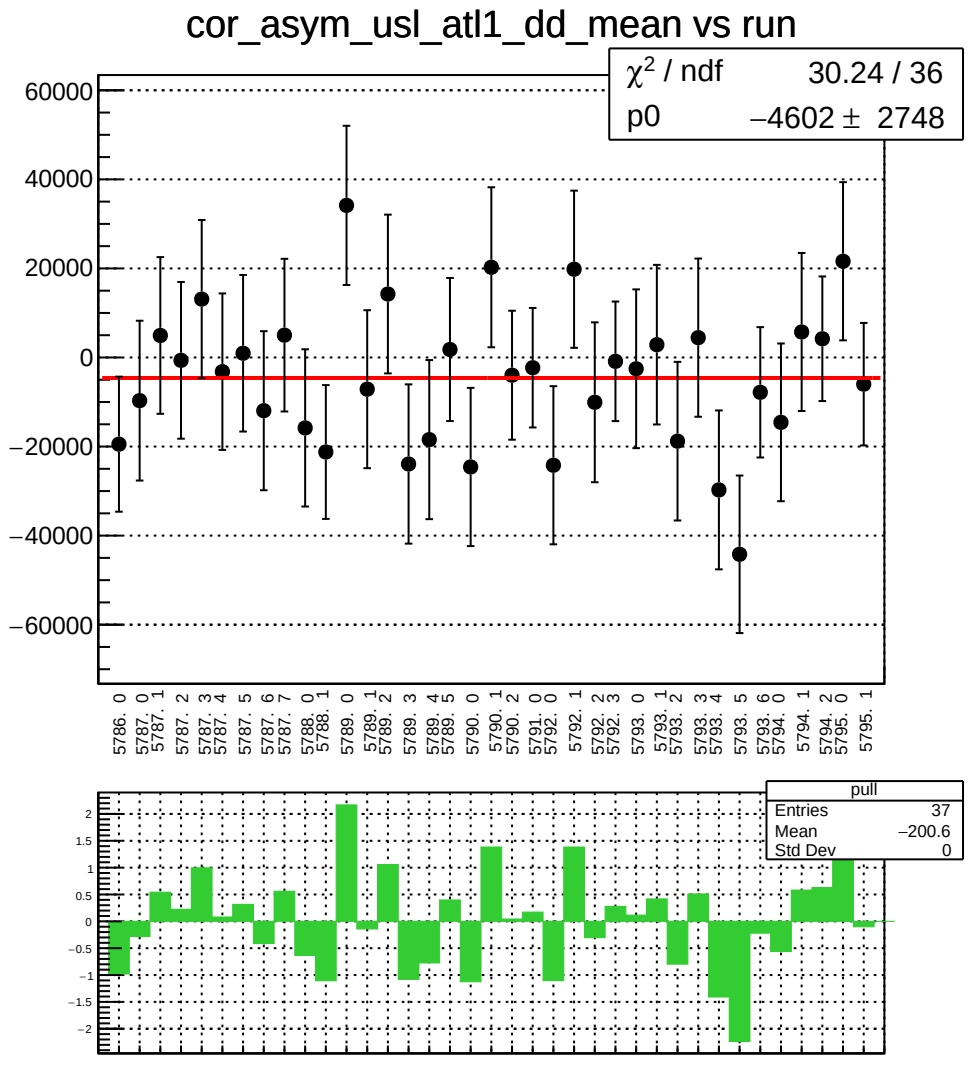

reg_asym_usl_atl1_dd_mean vs run
χ² / ndf 30.25 / 36
p0 −4601 ± 2748
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −200.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.001694
Std Dev 0.9041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

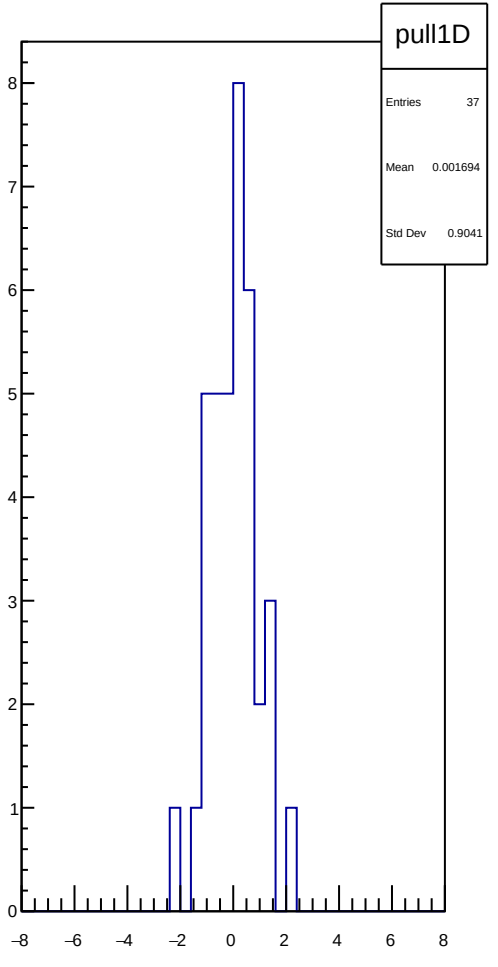

reg_asym_usl_atl1_dd_rms vs run
χ² / ndf 48.95 / 36
p0 1686 ± 1.943
1740
1720
1700
1680
1660
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

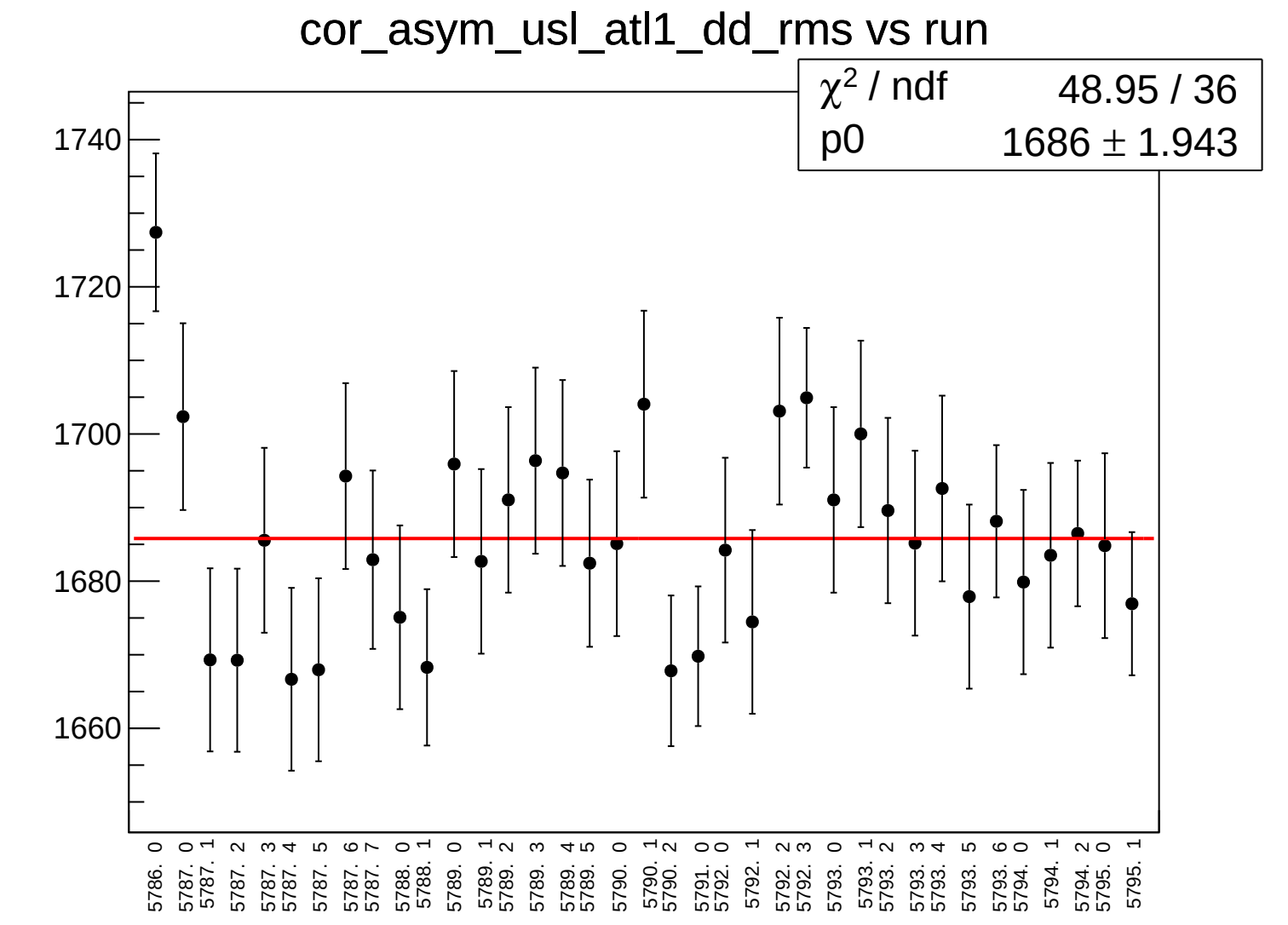

asym_usl_atl1_dd_reg_correction_mean vs run
χ² / ndf 43.22 / 36
p0 2214 ± 1099
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −103.8
Std Dev 0
2
1
0
−1
−2
−3

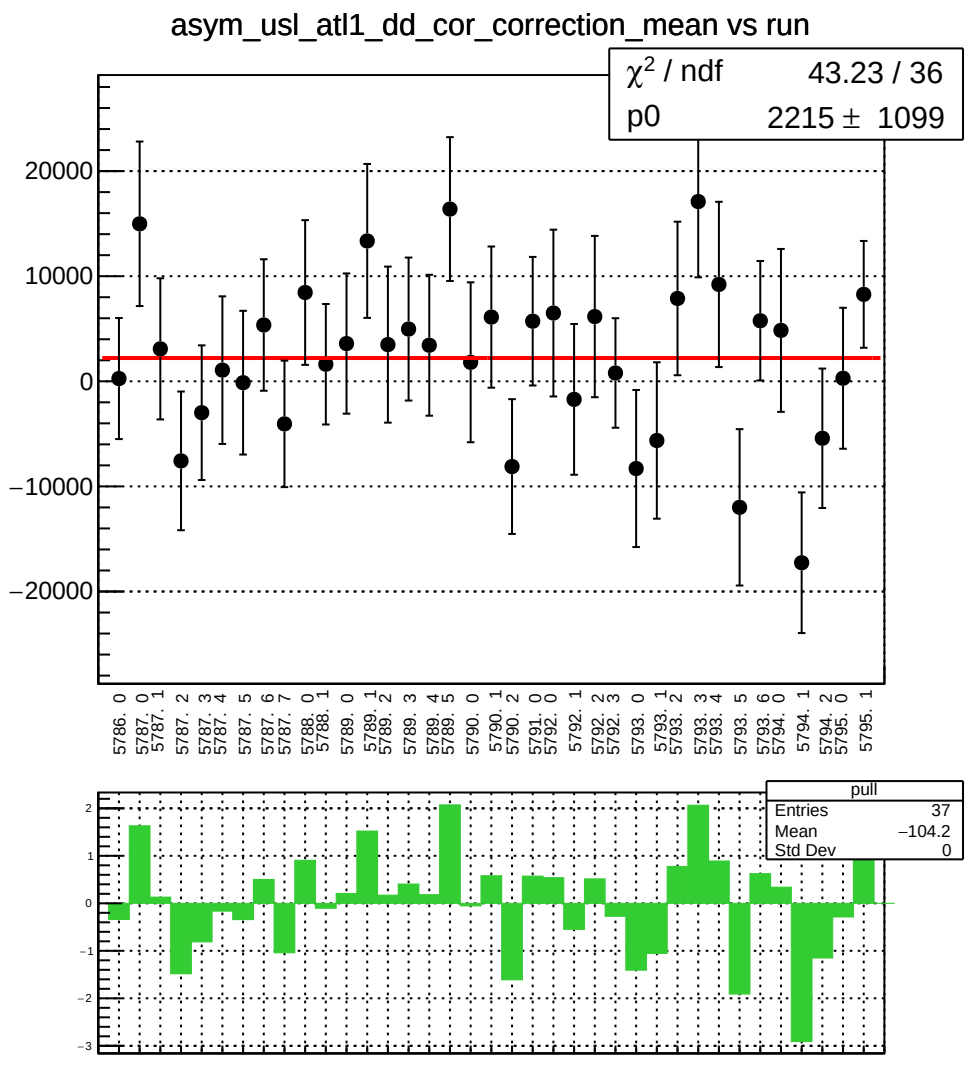

pull1D
Entries 37
Mean 0.008952
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

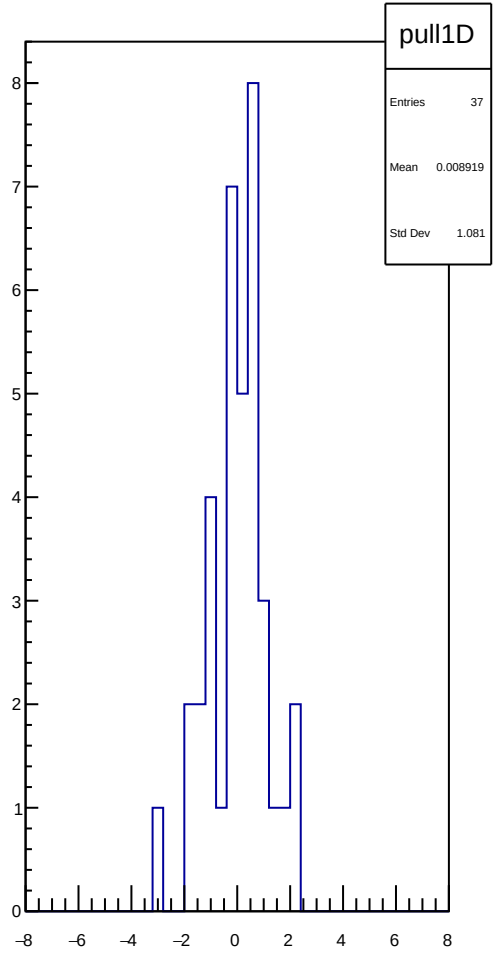

asym_usl_atl1_dd_reg_correction_rms vs run
χ² / ndf 4277 / 36
p0 672.2 ± 0.7769
800
750
700
650
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

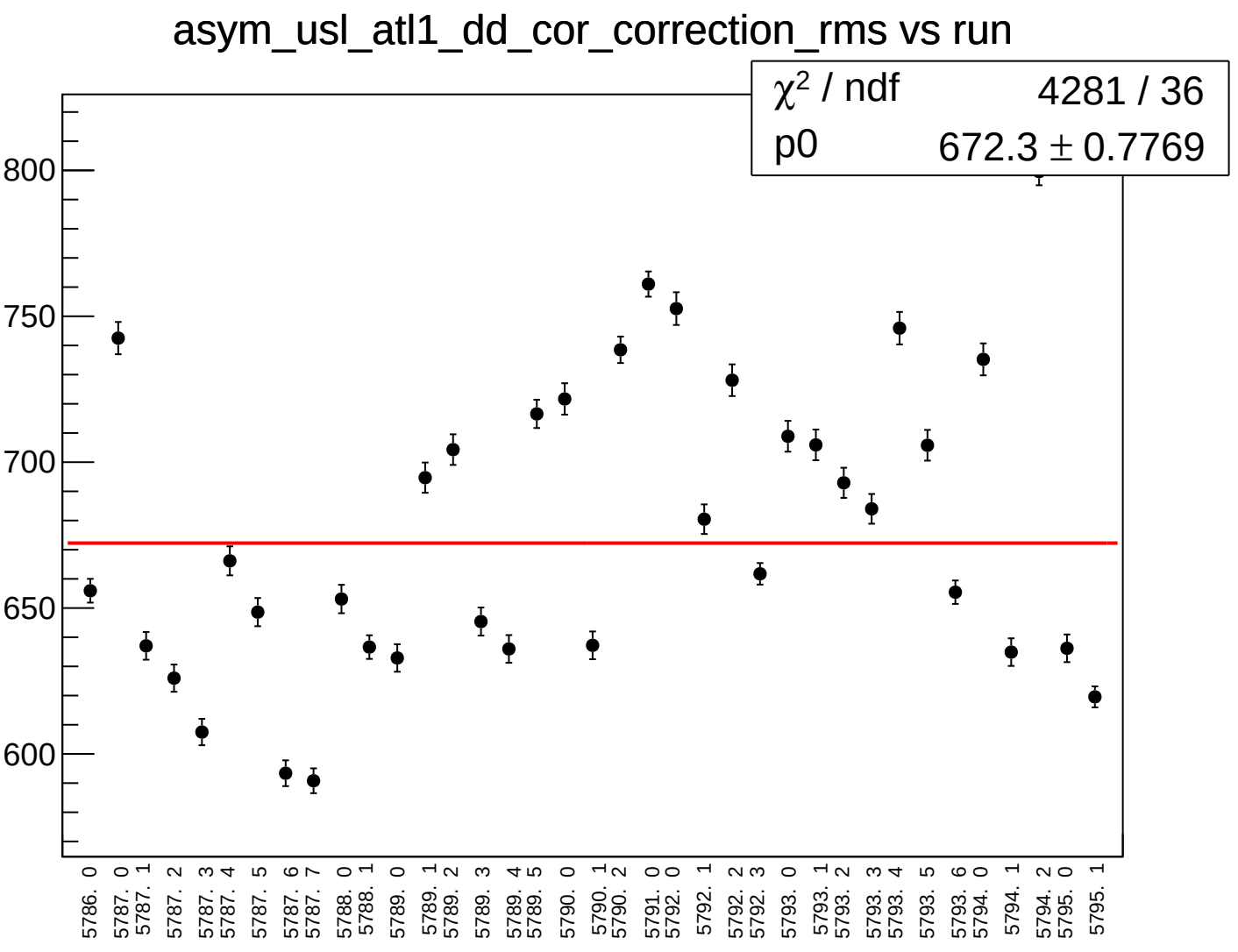

cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 30.24 / 36
p0 −4602 ± 2748
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −200.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

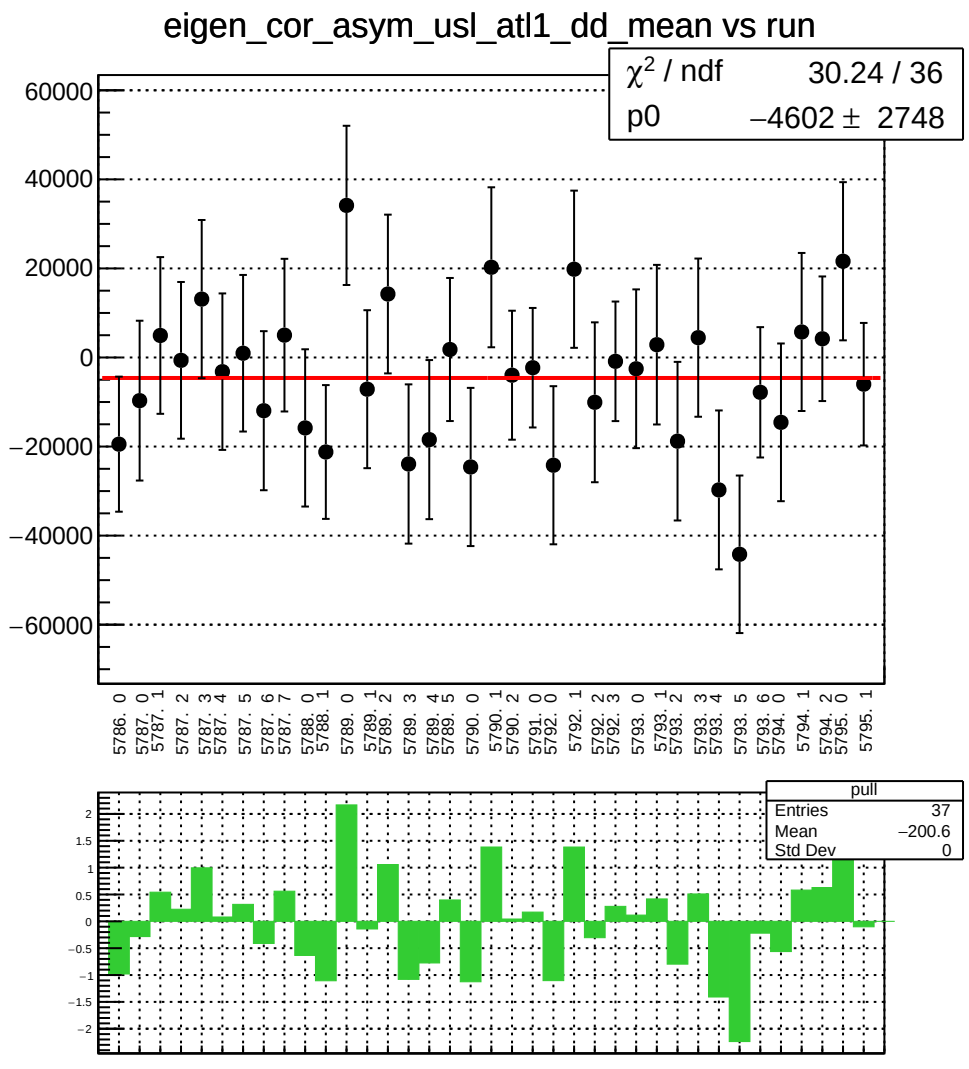

pull1D
Entries 37
Mean 0.001694
Std Dev 0.9041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

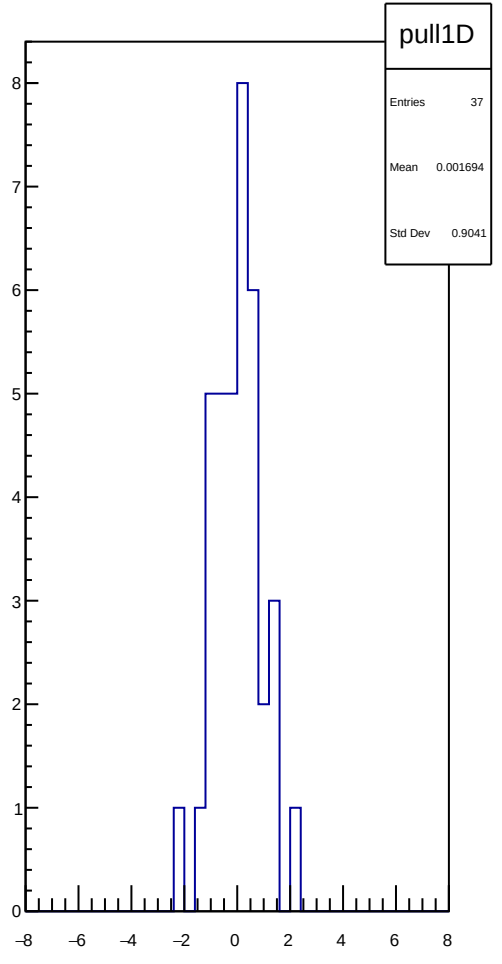

cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 48.95 / 36
p0 1686 ± 1.943
1740
1720
1700
1680
1660
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

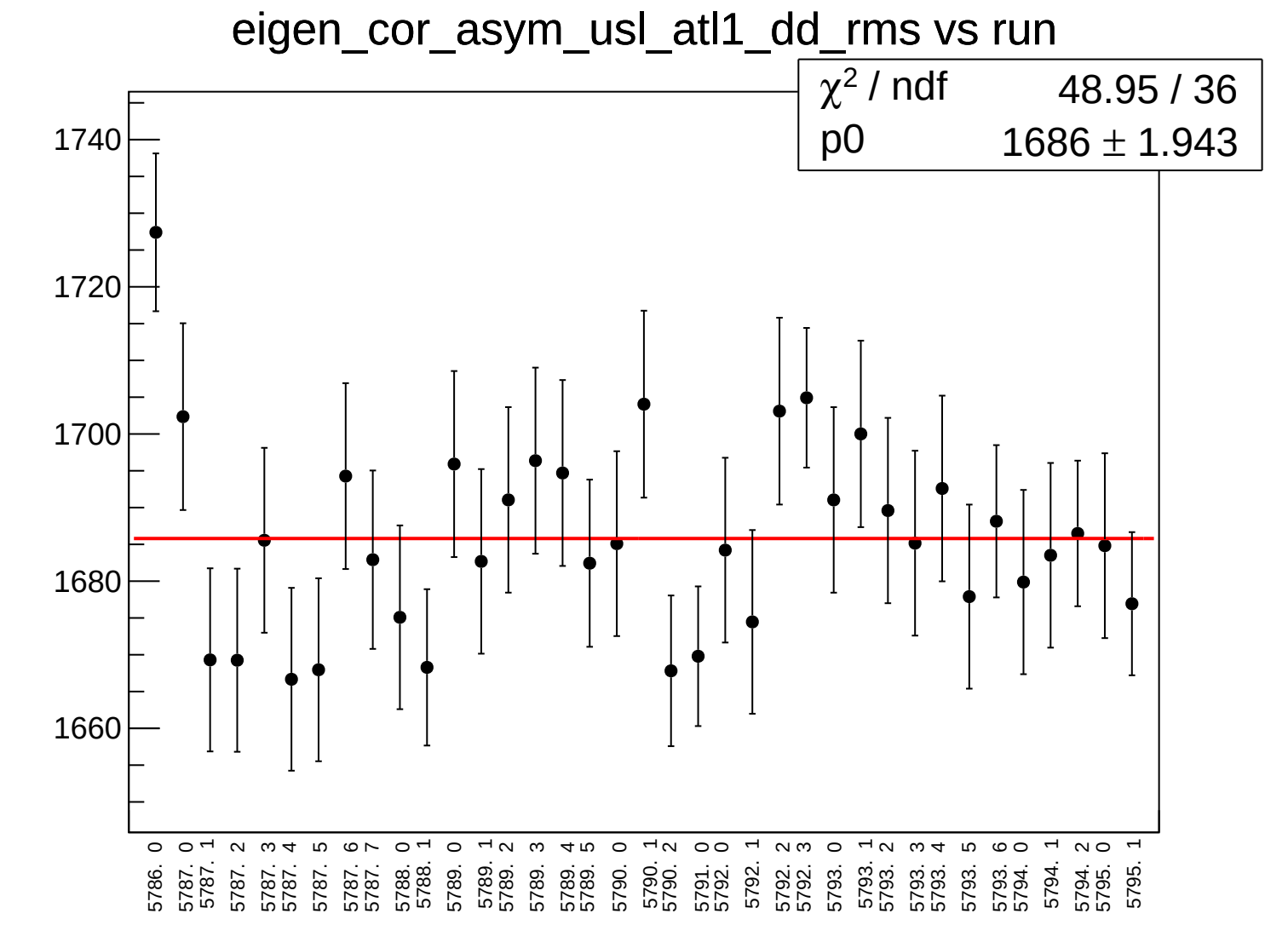

asym_usl_atl1_dd_cor_correction_mean vs run
χ² / ndf 43.23 / 36
p0 2215 ± 1099
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1
0
−1
−2
−3

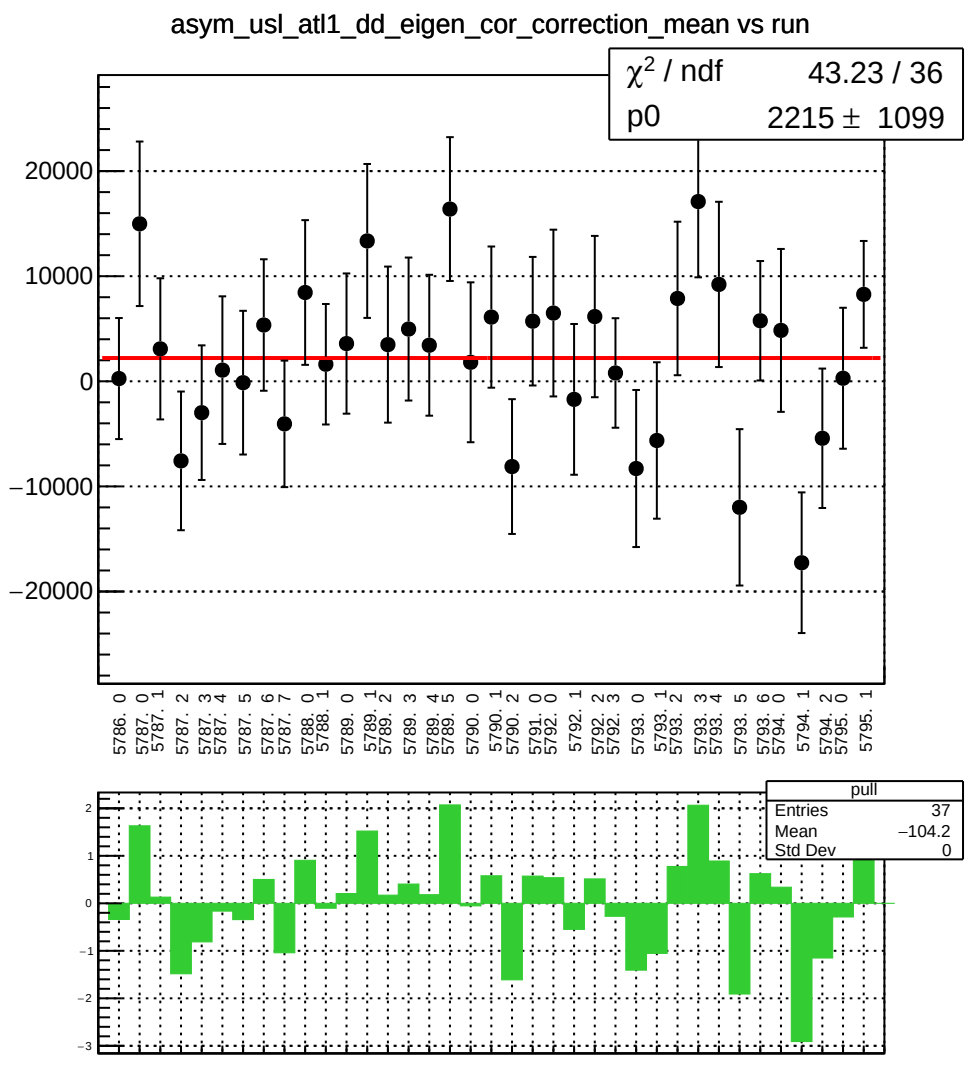

pull1D
Entries 37
Mean 0.008919
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

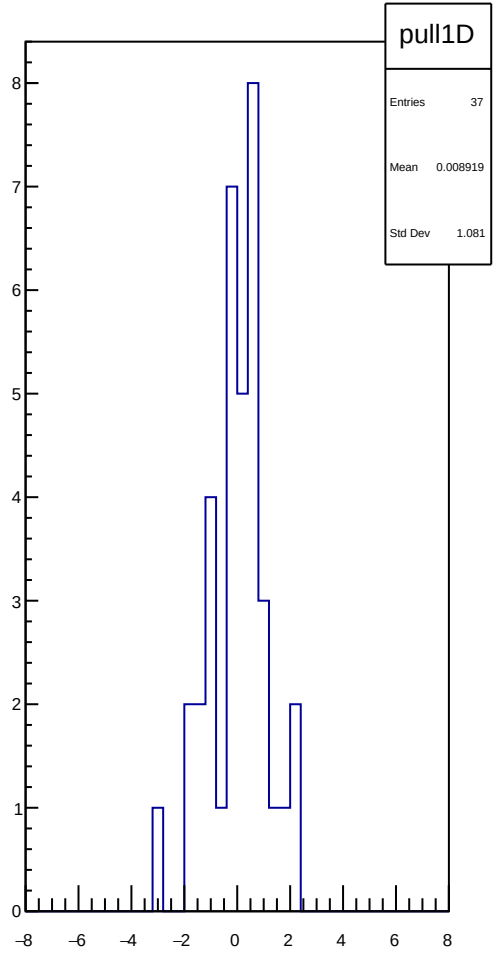

asym_usl_atl1_dd_cor_correction_rms vs run
χ² / ndf 4281 / 36
p0 672.3 ± 0.7769
800
750
700
650
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

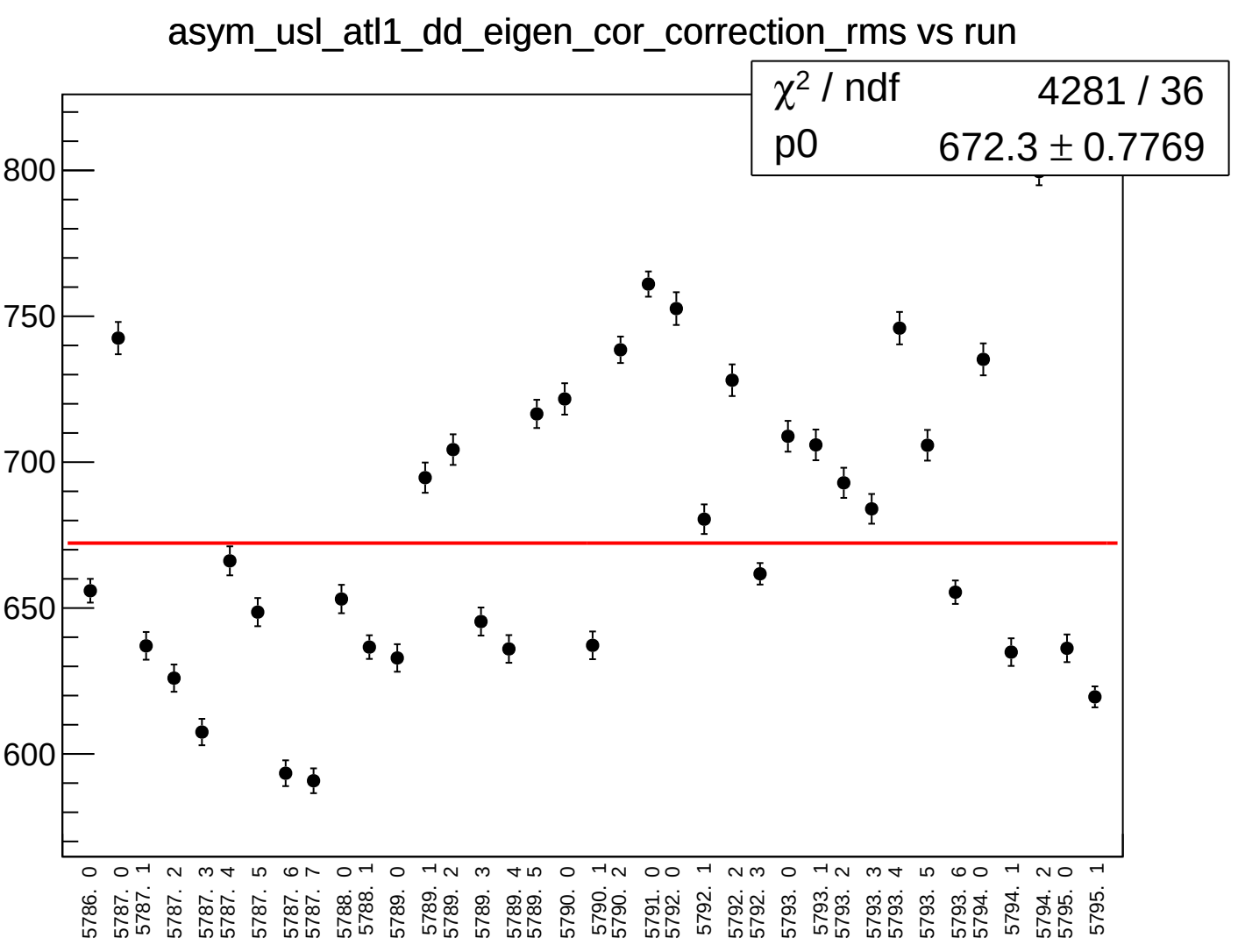

eigen_cor_asym_usl_atl1_dd_mean vs run
χ² / ndf 30.24 / 36
p0 −4602 ± 2748
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −200.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

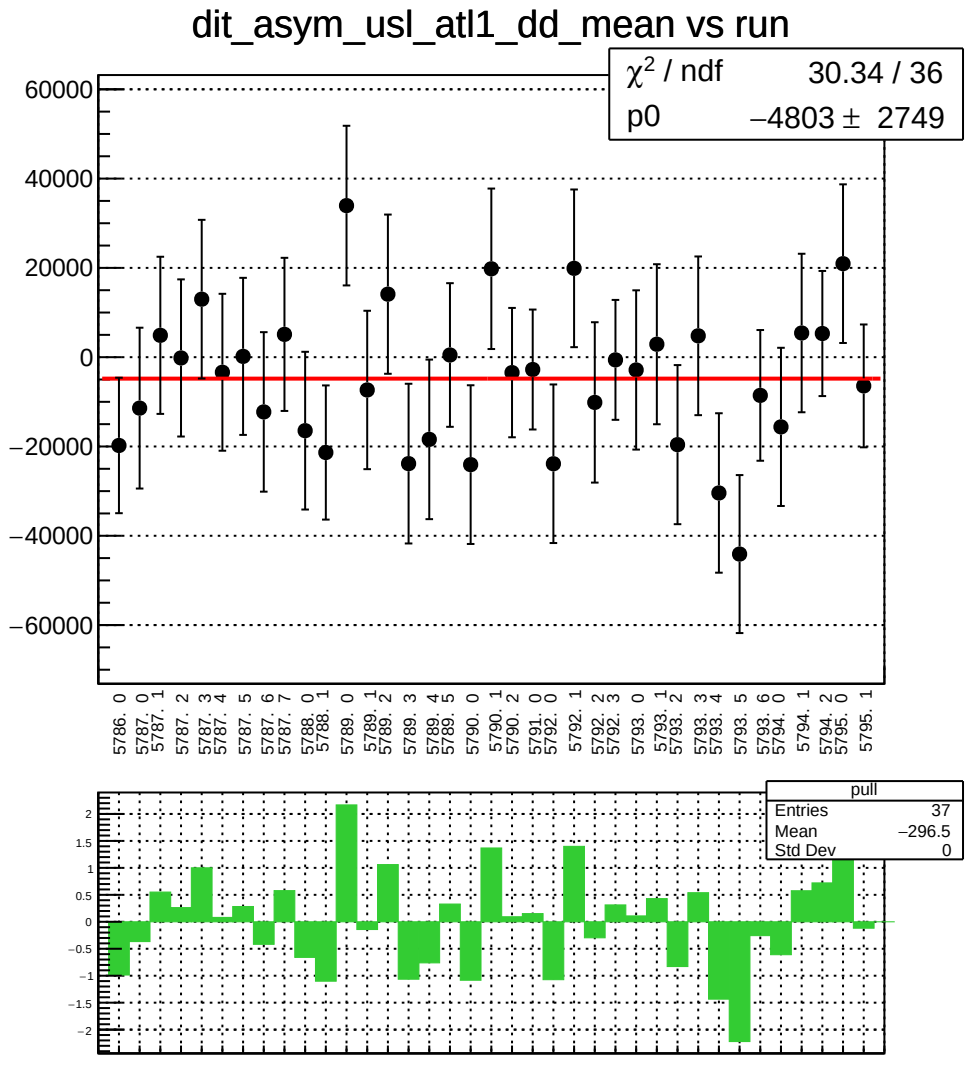

pull1D
Entries 37
Mean 0.001694
Std Dev 0.9041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

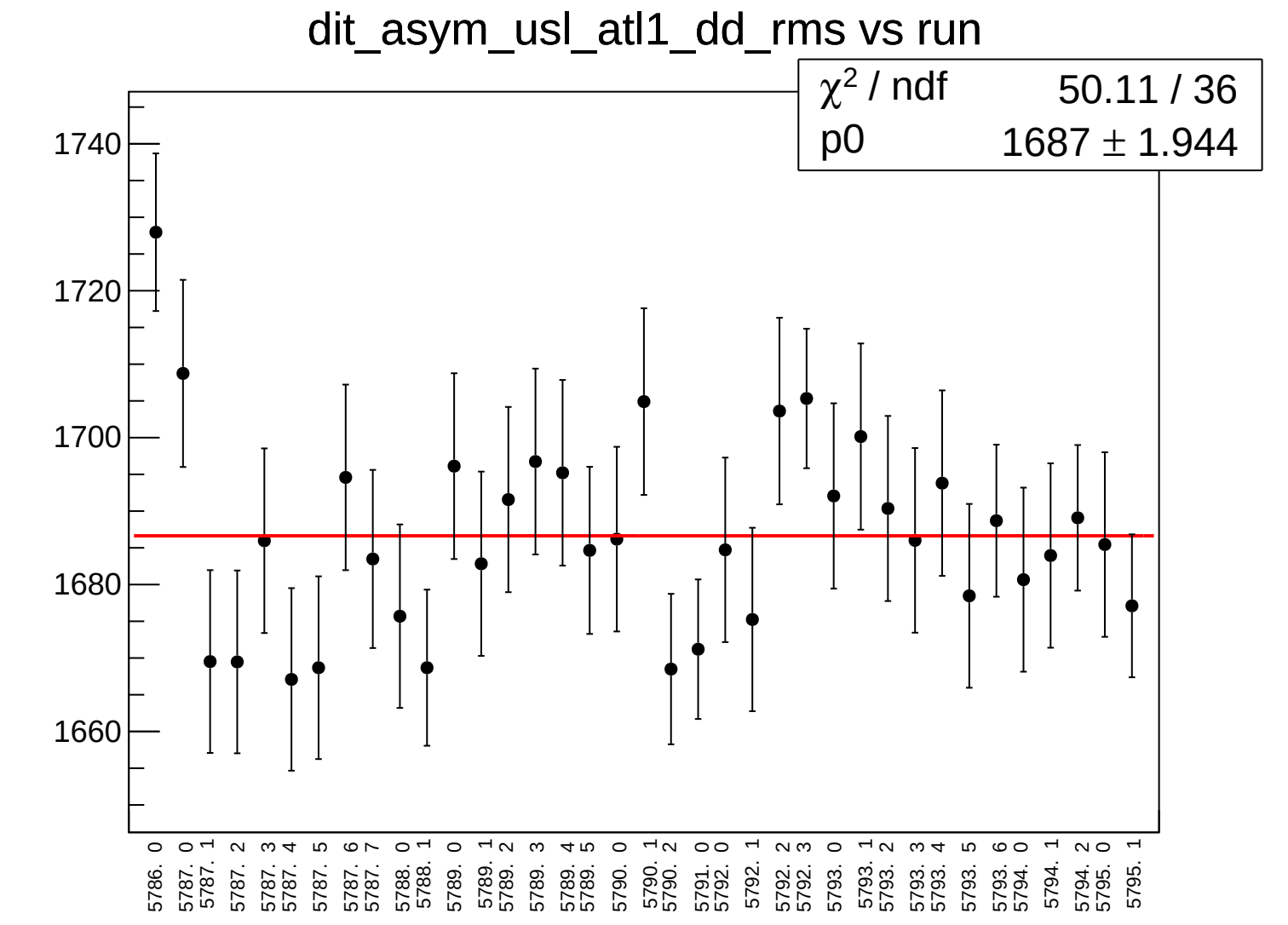

eigen_cor_asym_usl_atl1_dd_rms vs run
χ² / ndf 48.95 / 36
p0 1686 ± 1.943
1740
1720
1700
1680
1660
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

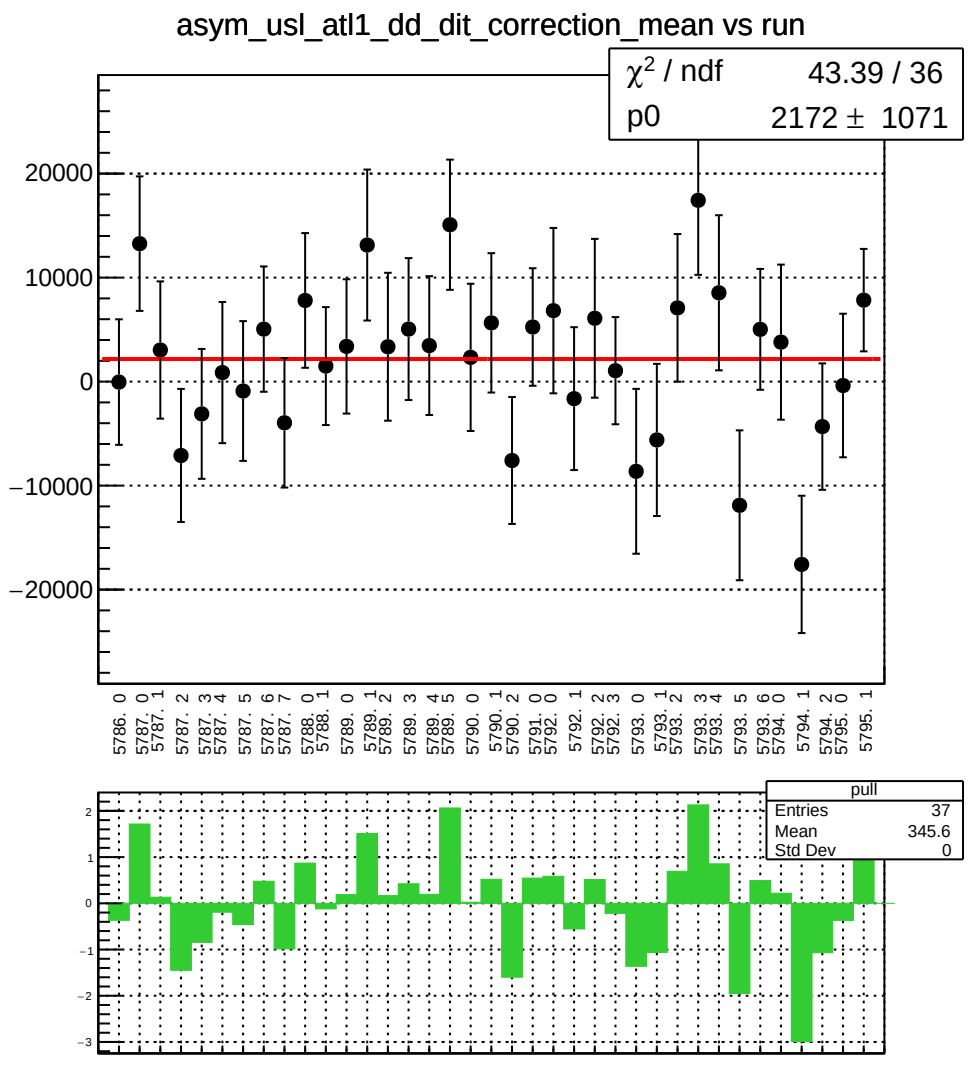

asym_usl_atl1_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.23 / 36
p0 2215 ± 1099
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1
0
−1
−2
−3

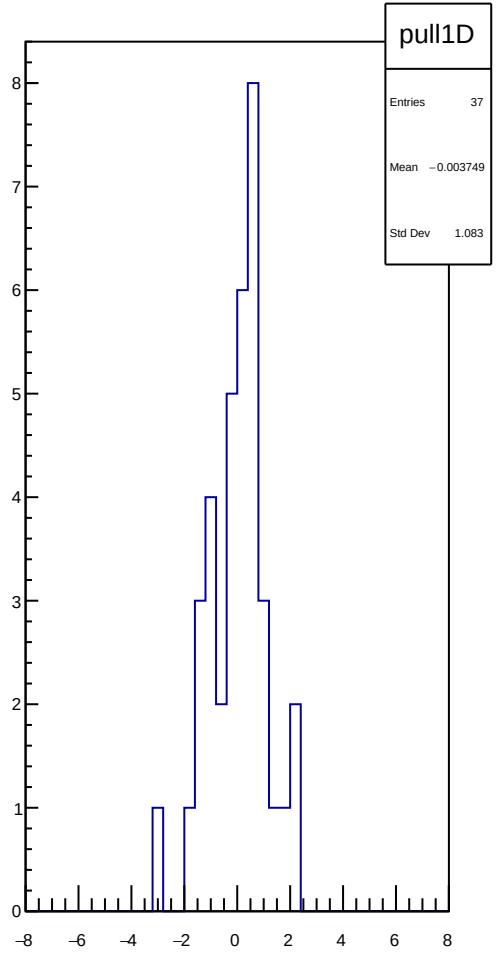

pull1D
Entries 37
Mean 0.008919
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

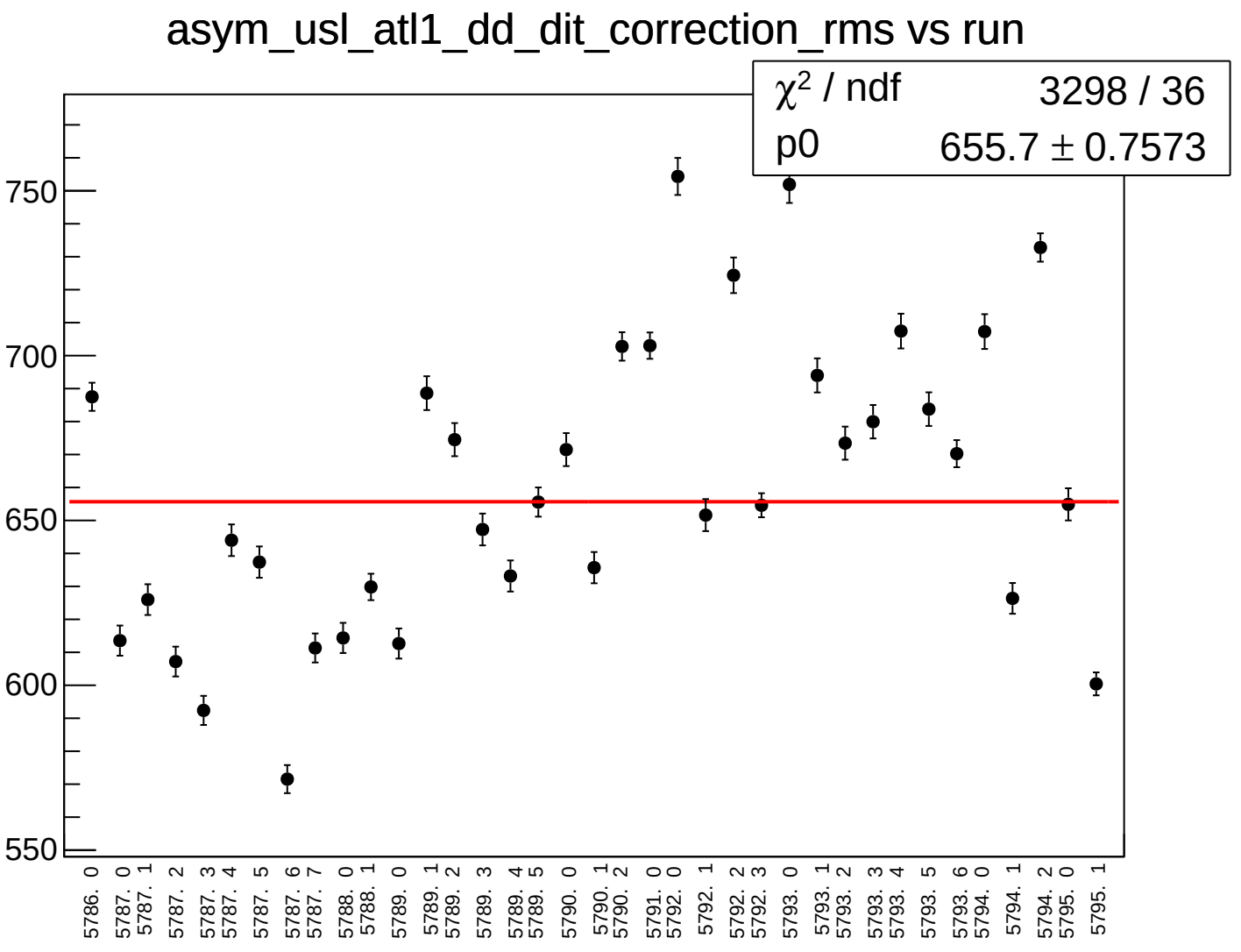

asym_usl_atl1_dd_eigen_cor_correction_rms vs run
χ² / ndf 4281 / 36
p0 672.3 ± 0.7769
800
750
700
650
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

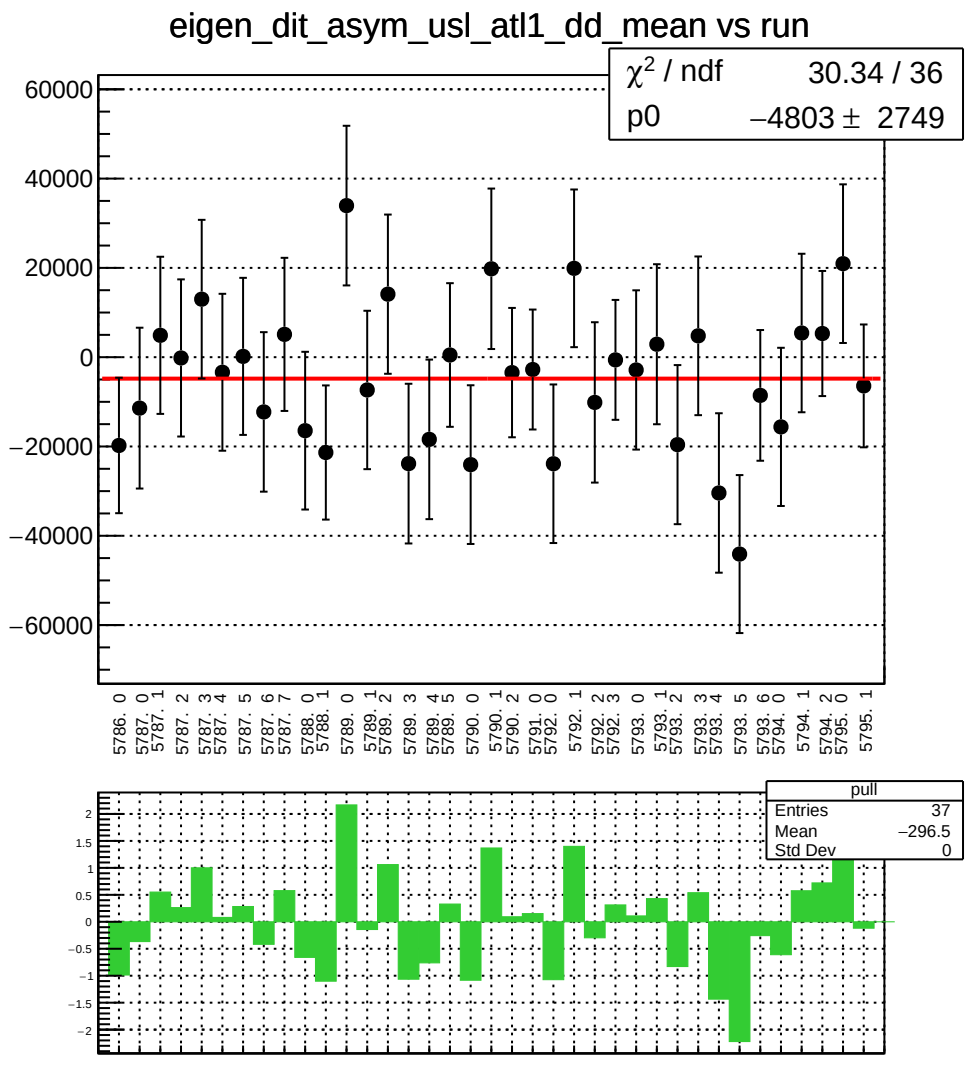

dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 30.34 / 36
p0 −4803 ± 2749
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −296.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.001086
Std Dev 0.9055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

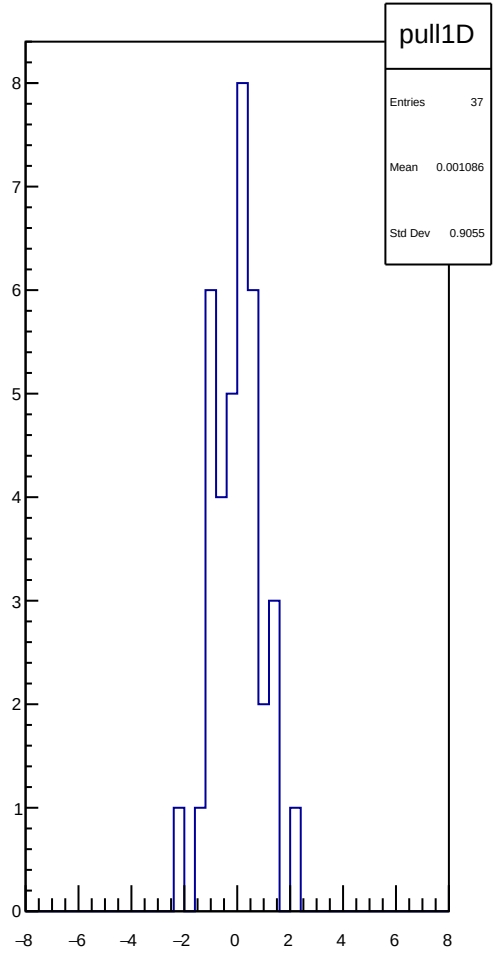

dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 50.11 / 36
p0 1687 ± 1.944
1740
1720
1700
1680
1660
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

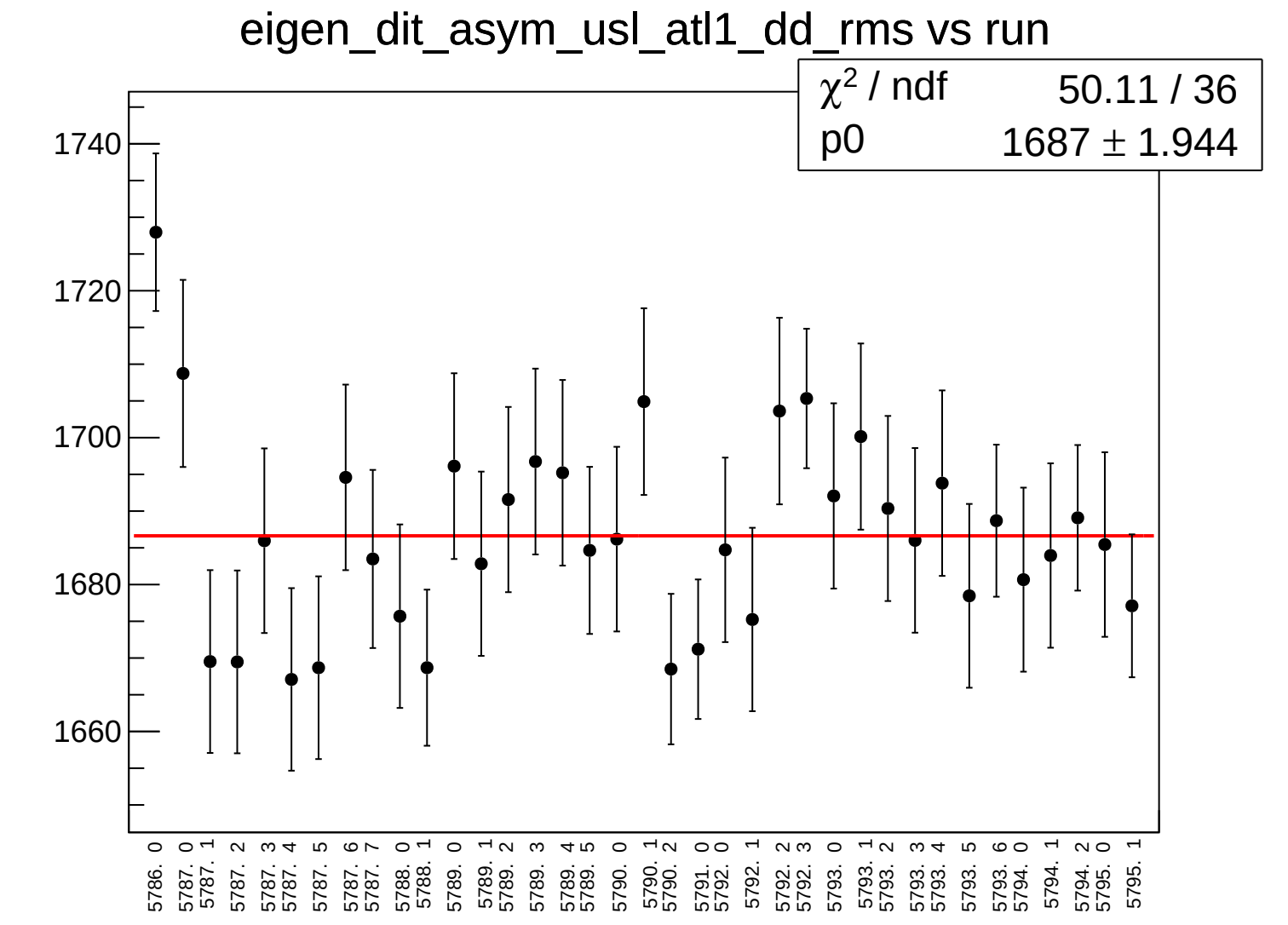

asym_usl_atl1_dd_dit_correction_mean vs run
χ² / ndf 43.39 / 36
p0 2172 ± 1071
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 345.6
Std Dev 0
2
1
0
−1
−2
−3

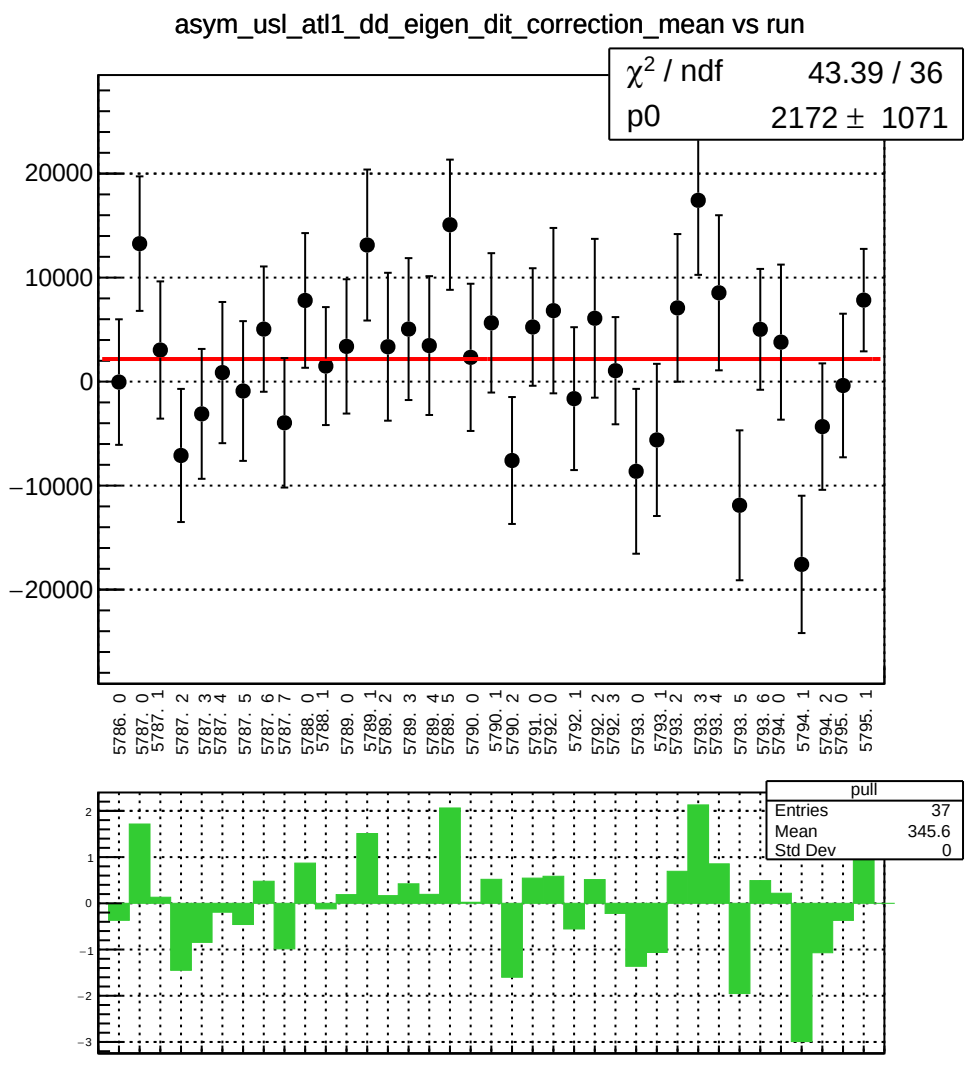

pull1D
Entries 37
Mean −0.003749
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

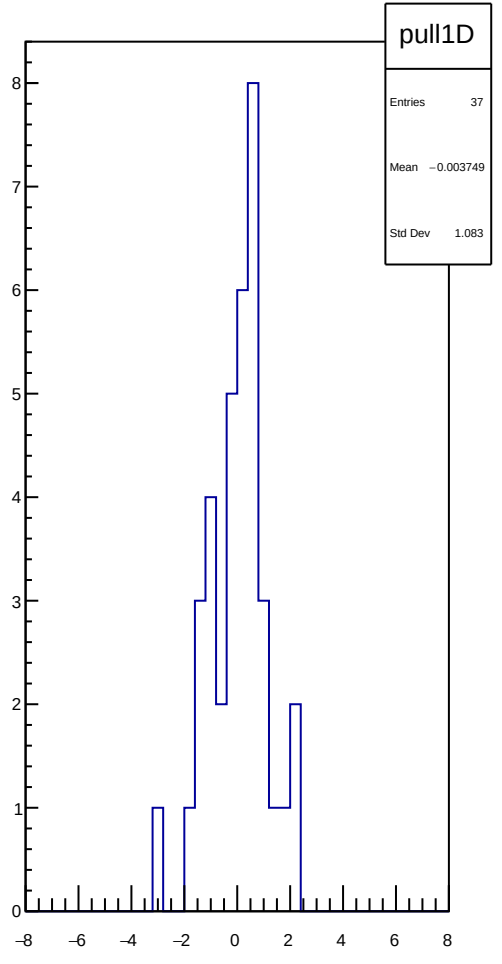

asym_usl_atl1_dd_dit_correction_rms vs run
χ² / ndf 3298 / 36
p0 655.7 ± 0.7573
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

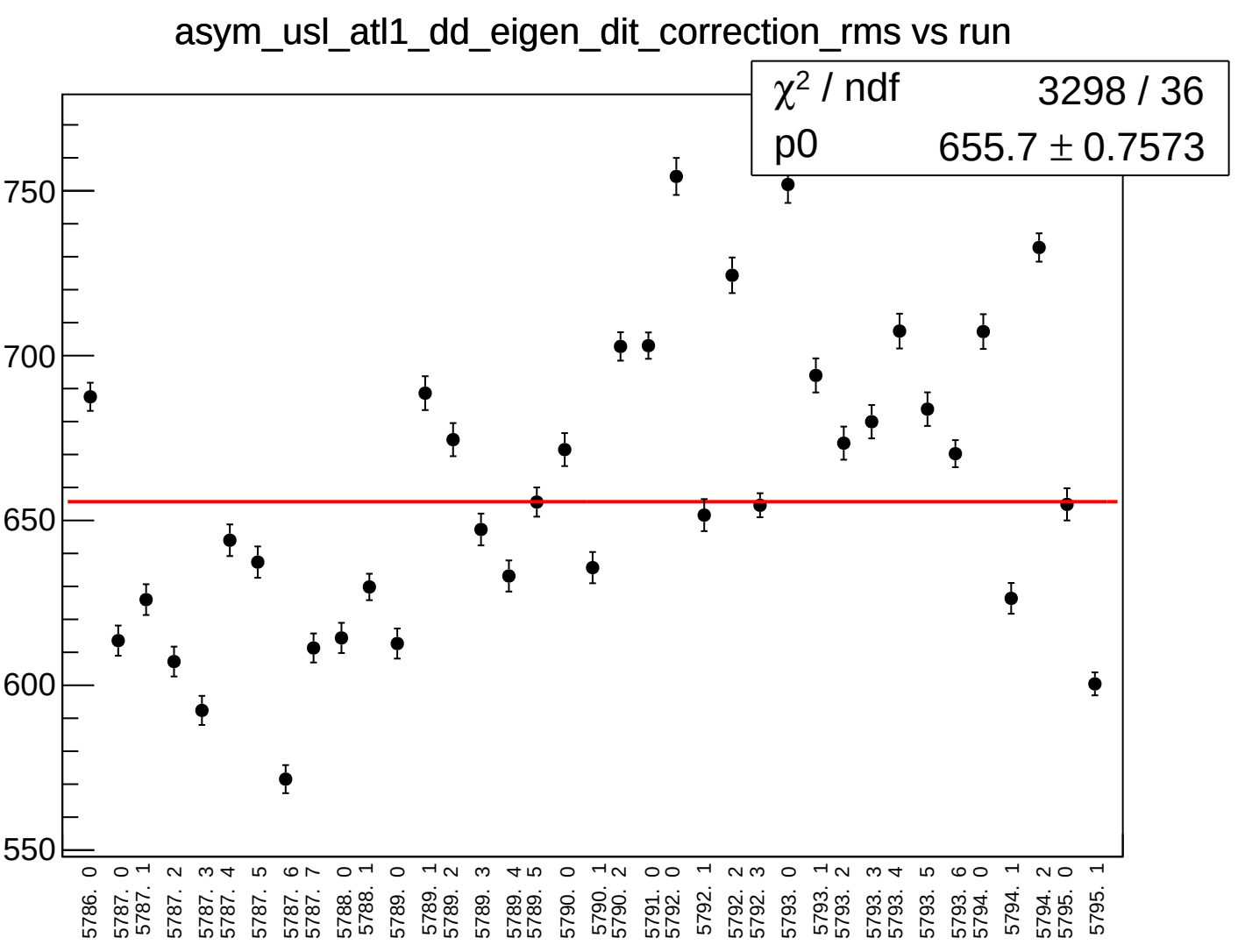

eigen_dit_asym_usl_atl1_dd_mean vs run
χ² / ndf 30.34 / 36
p0 −4803 ± 2749
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −296.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

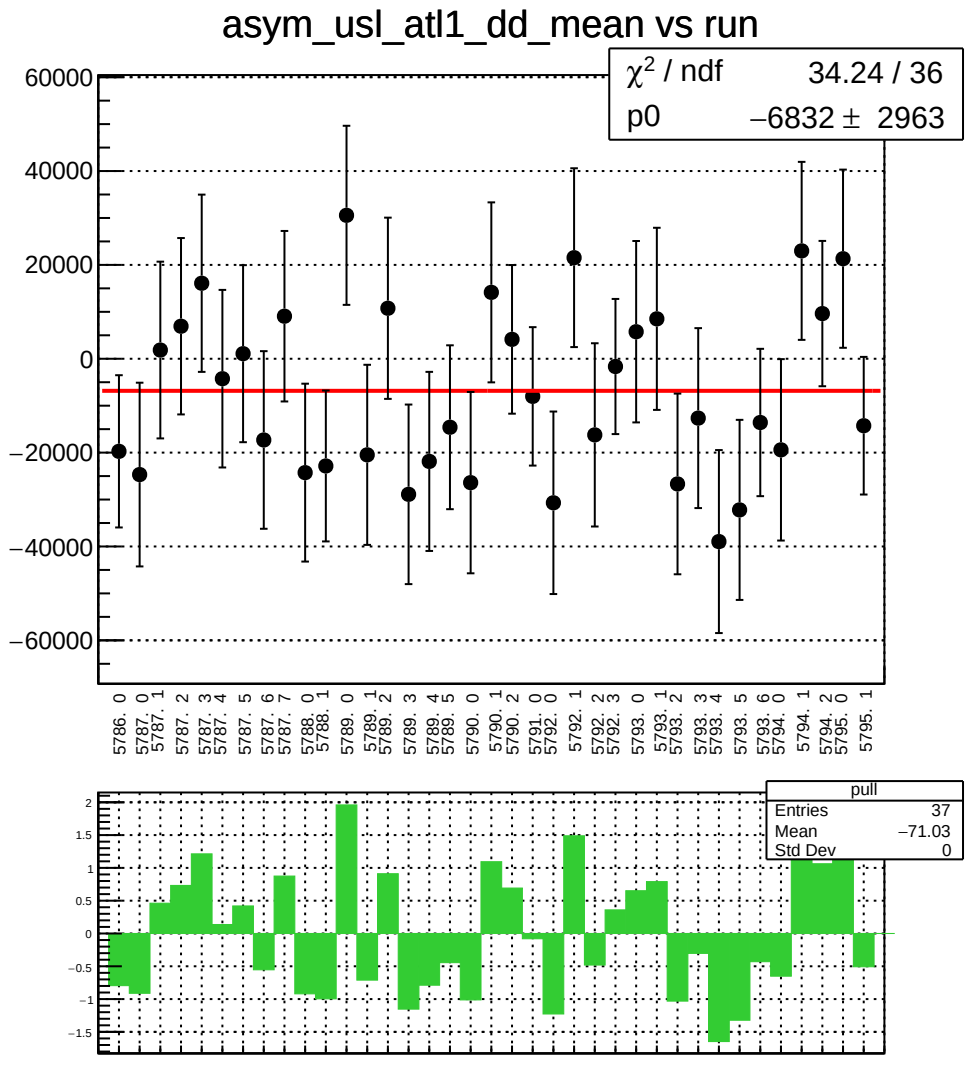

pull1D
Entries 37
Mean 0.001086
Std Dev 0.9055
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

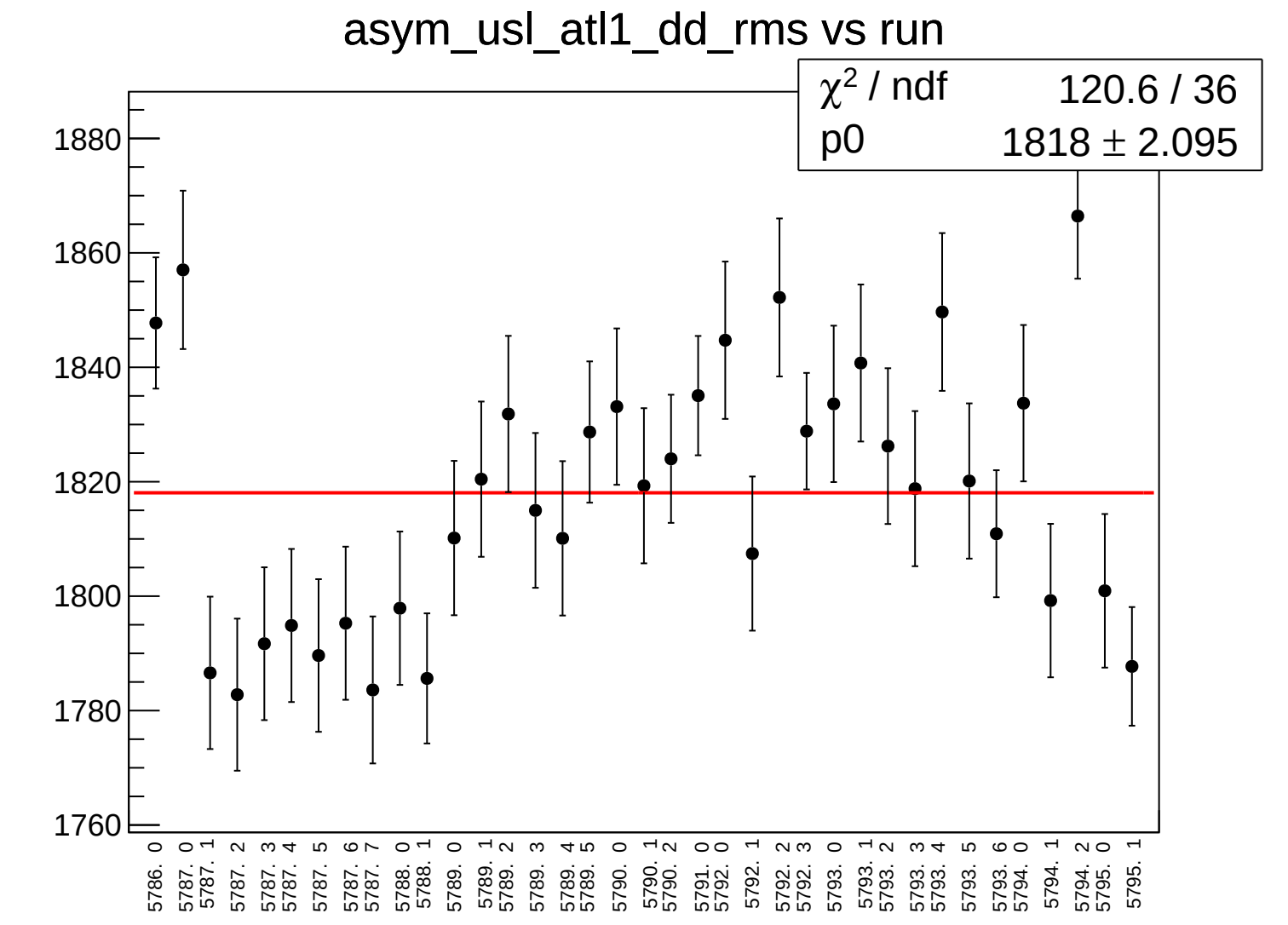

eigen_dit_asym_usl_atl1_dd_rms vs run
χ² / ndf 50.11 / 36
p0 1687 ± 1.944
1740
1720
1700
1680
1660
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

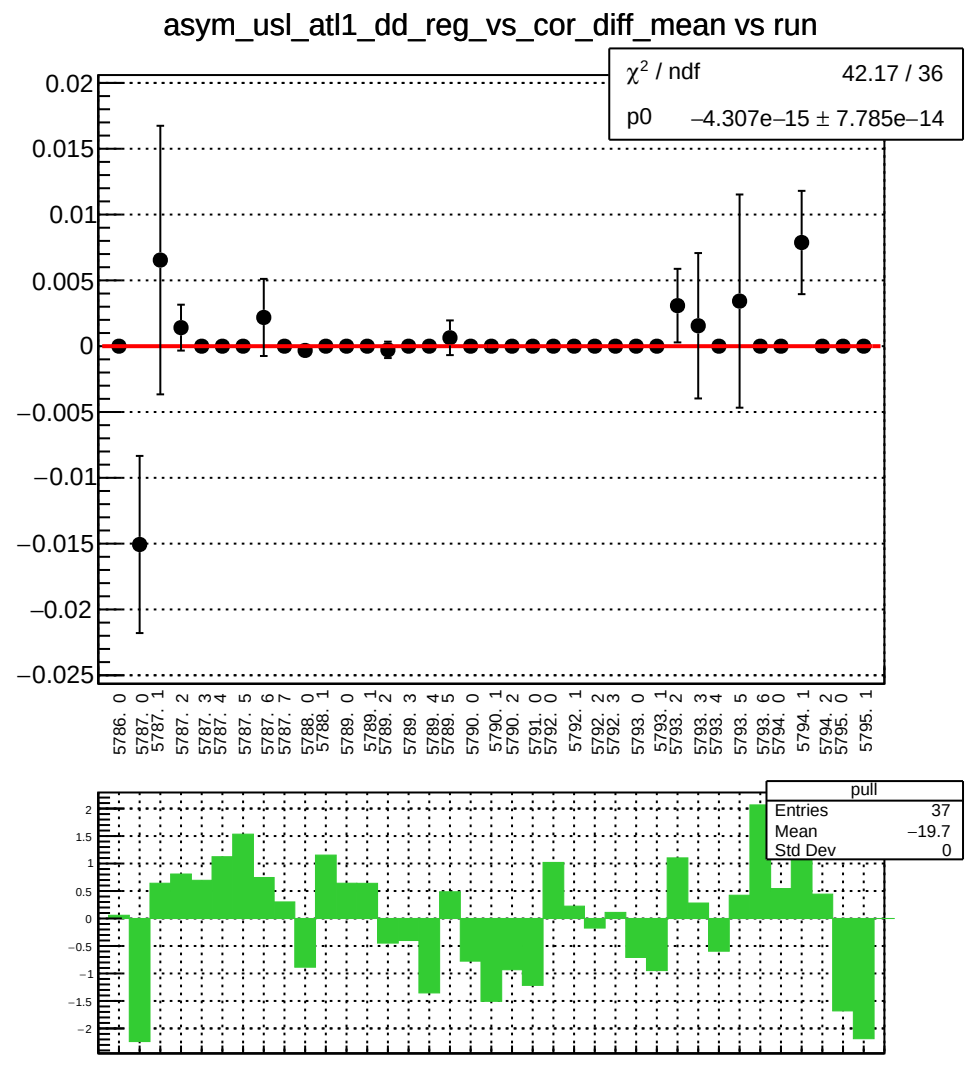

asym_usl_atl1_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.39 / 36
p0 2172 ± 1071
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 345.6
Std Dev 0
2
1
0
−1
−2
−3

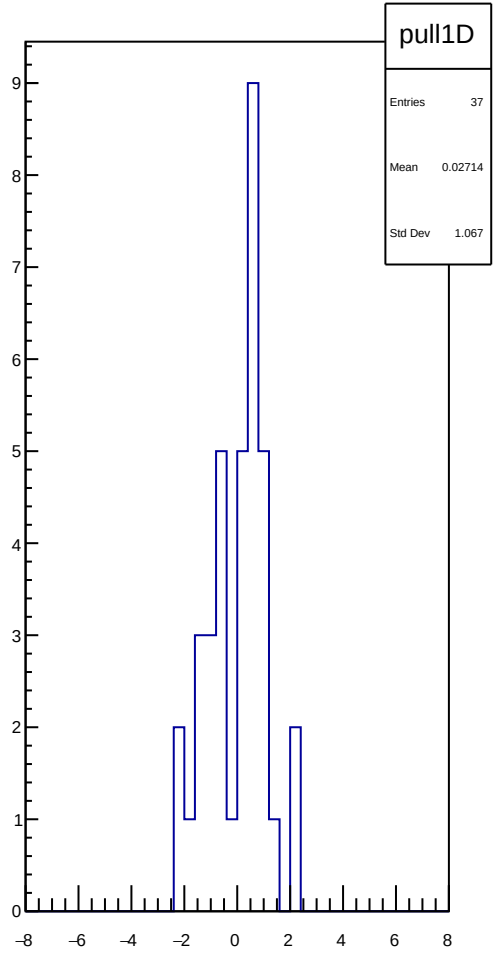

pull1D
Entries 37
Mean −0.003749
Std Dev 1.083
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

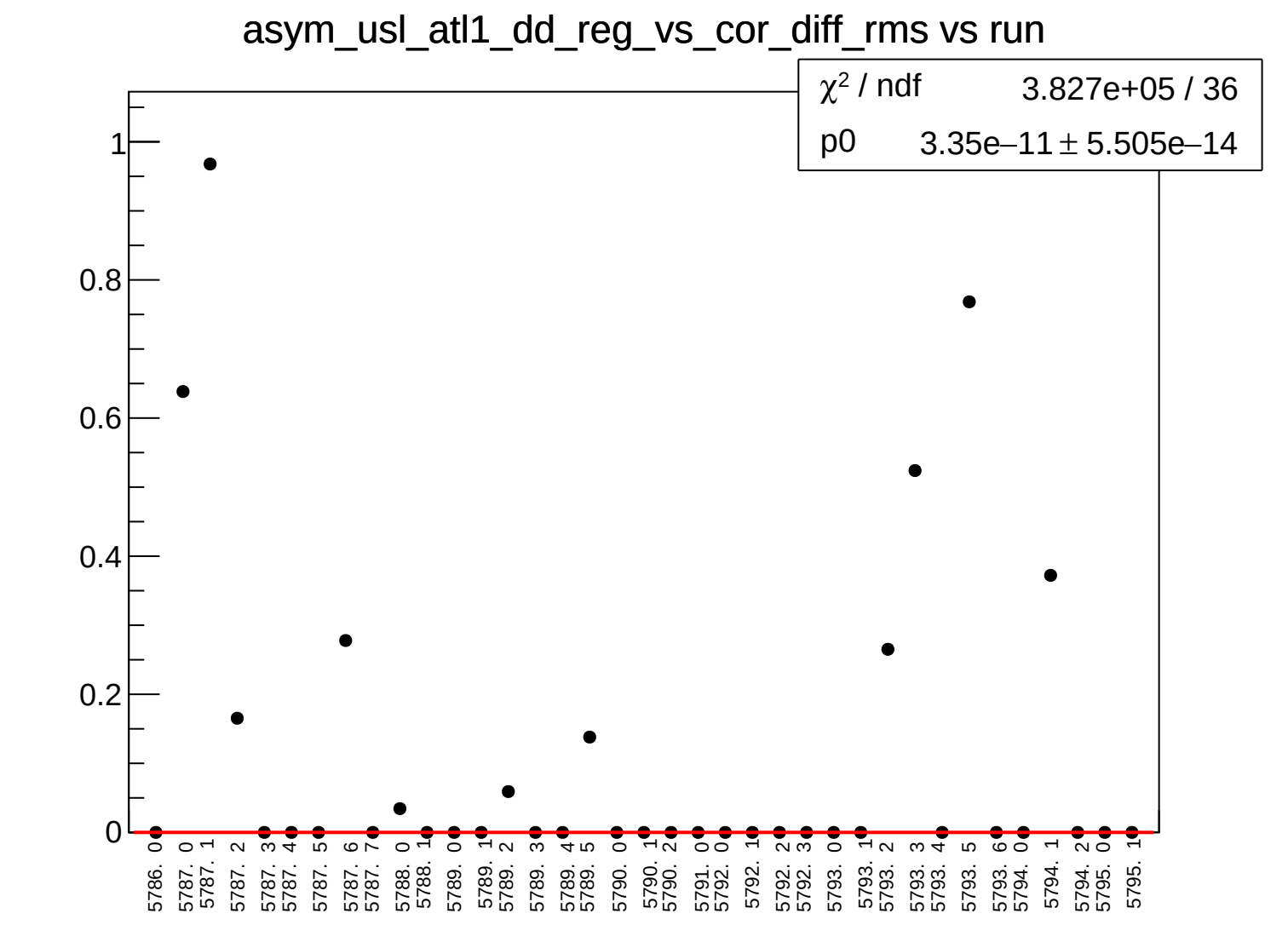

asym_usl_atl1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3298 / 36
p0 655.7 ± 0.7573
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

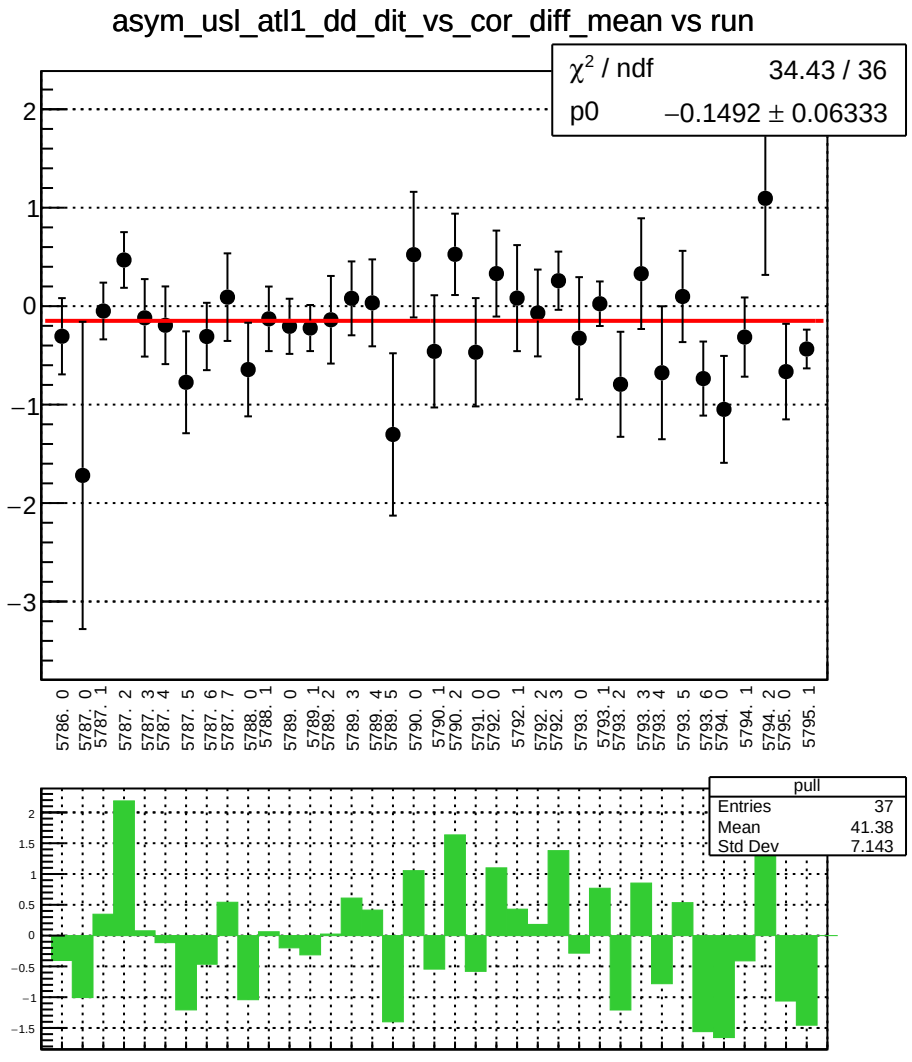

asym_usl_atl1_dd_mean vs run
χ² / ndf 34.24 / 36
p0 −6832 ± 2963
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −71.03
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.001574
Std Dev 0.962
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

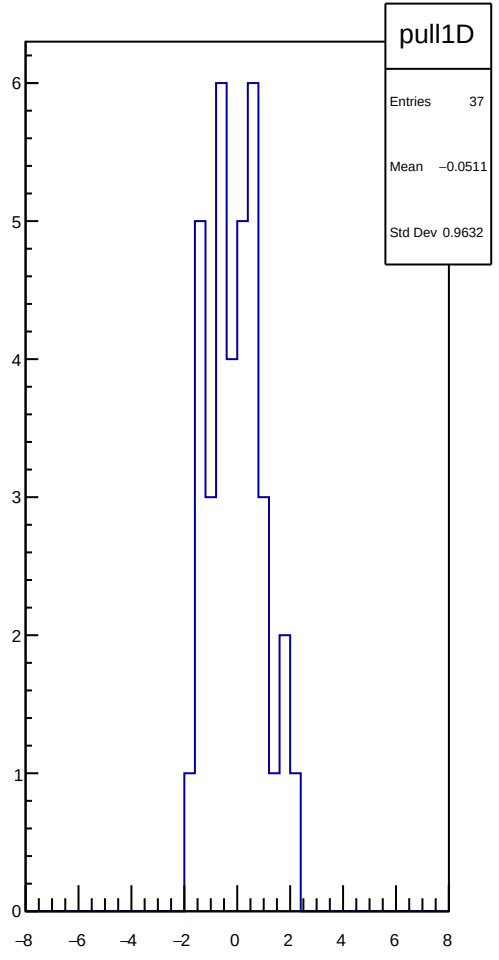

asym_usl_atl1_dd_rms vs run
χ² / ndf 120.6 / 36
p0 1818 ± 2.095
1880
1860
1840
1820
1800
1780
1760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

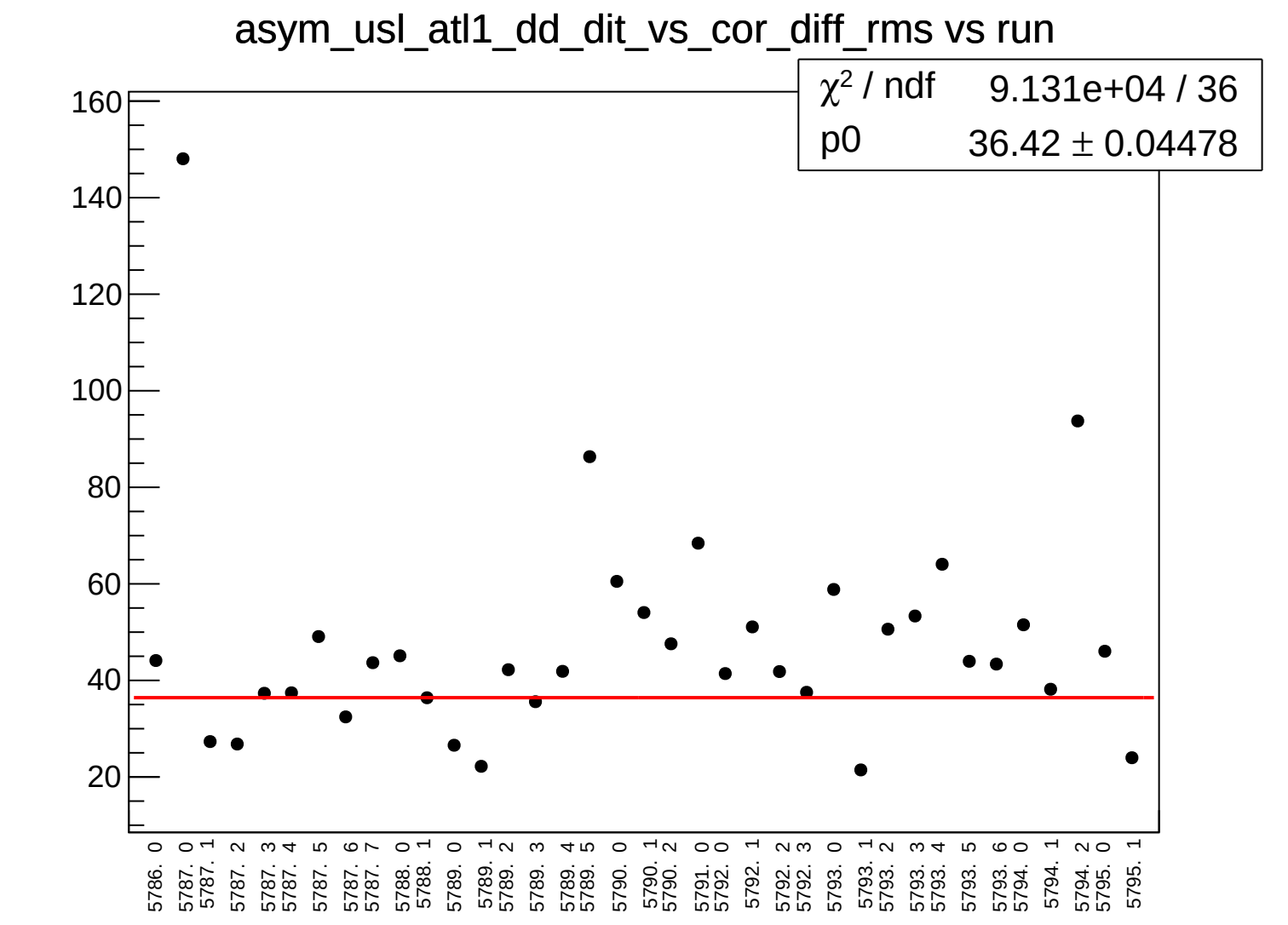

asym_usl_atl1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 42.17 / 36
p0 −4.307e−15 ± 7.785e−14
pull
Entries 37
Mean −19.7
Std Dev 0


pull1D
Entries 37
Mean 0.02714
Std Dev 1.067


asym_usl_atl1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.827e+05 / 36
p0 3.35e−11 ± 5.505e−14
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usl_atl1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 34.43 / 36
p0 −0.1492 ± 0.06333
pull
Entries 37
Mean 41.38
Std Dev 7.143


pull1D
Entries 37
Mean −0.0511
Std Dev 0.9632


asym_usl_atl1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 9.131e+04 / 36
p0 36.42 ± 0.04478
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
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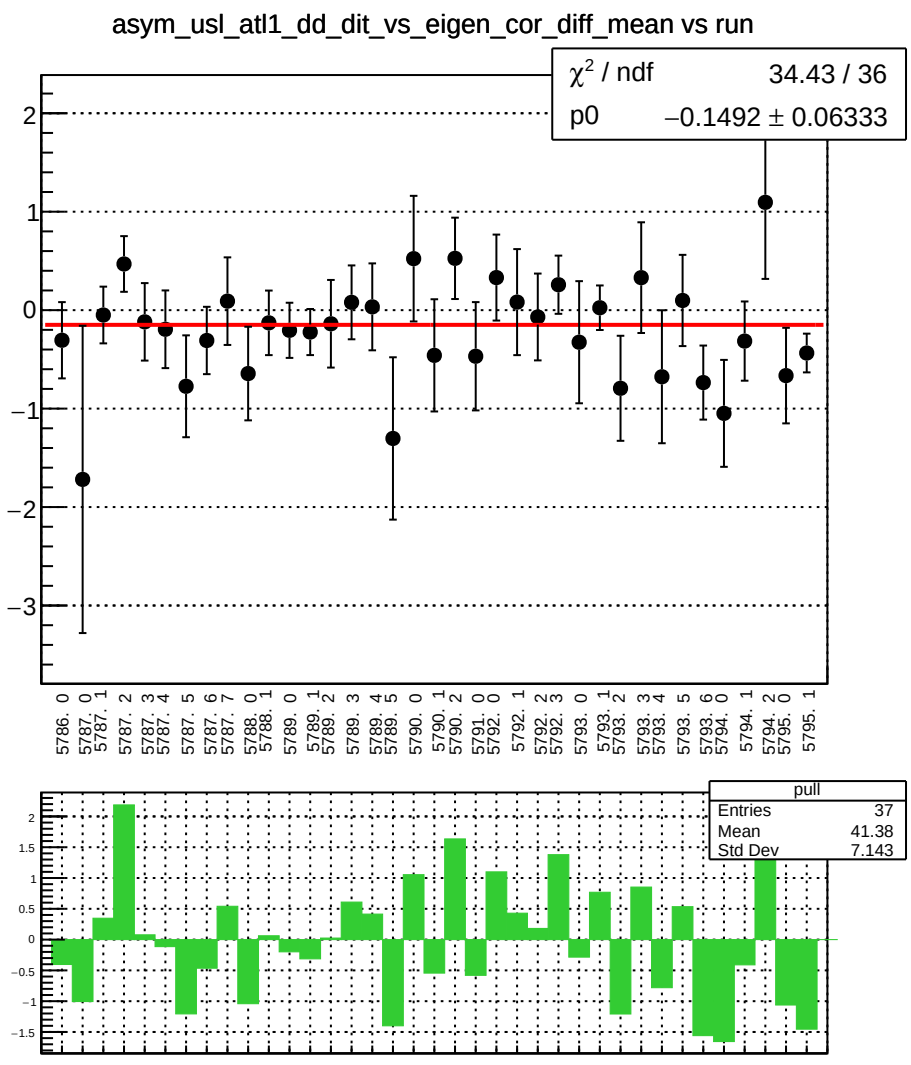
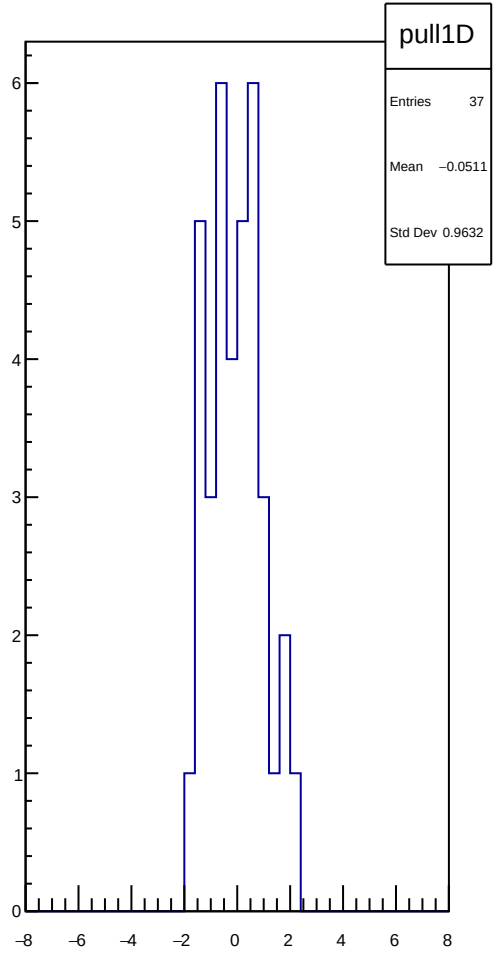
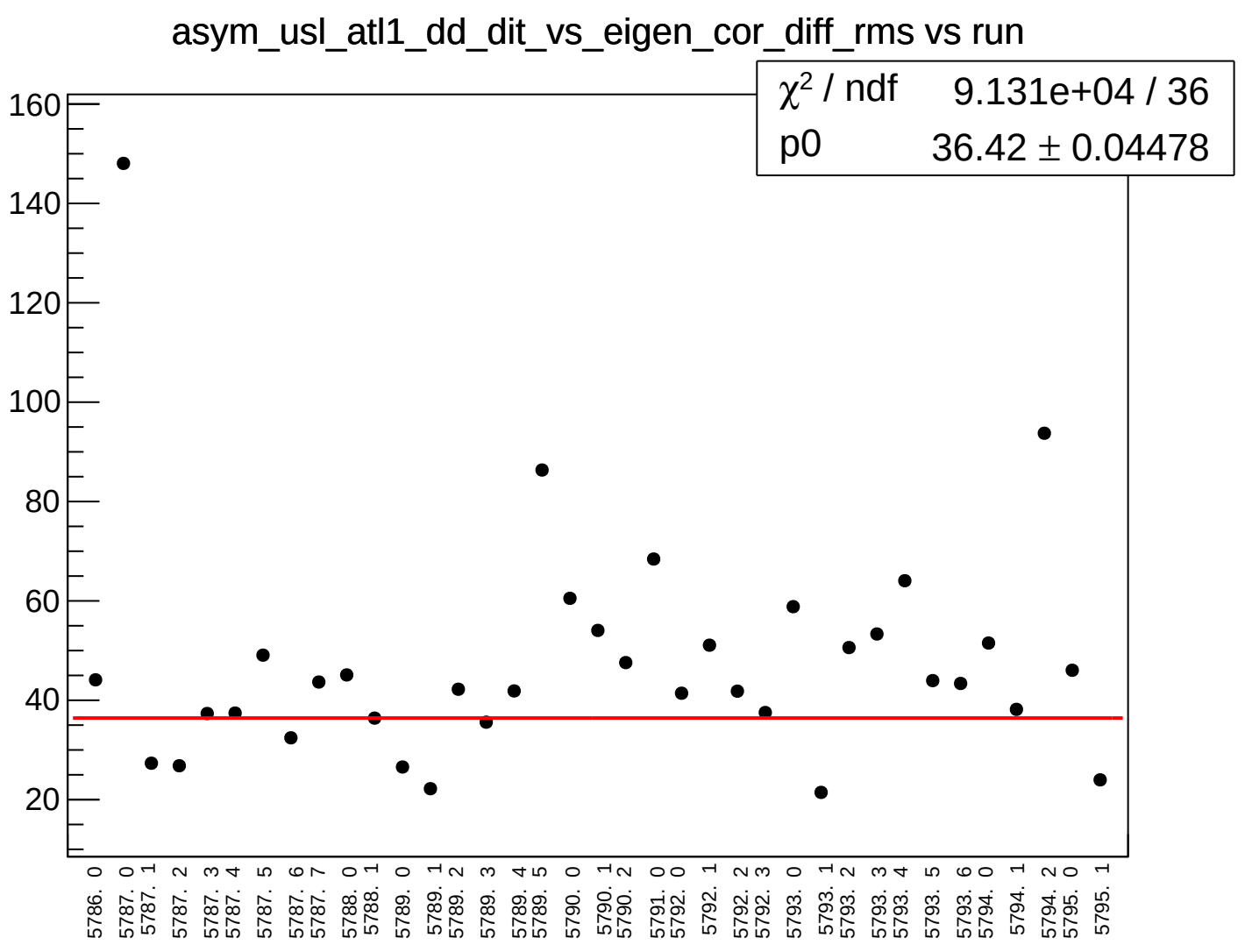
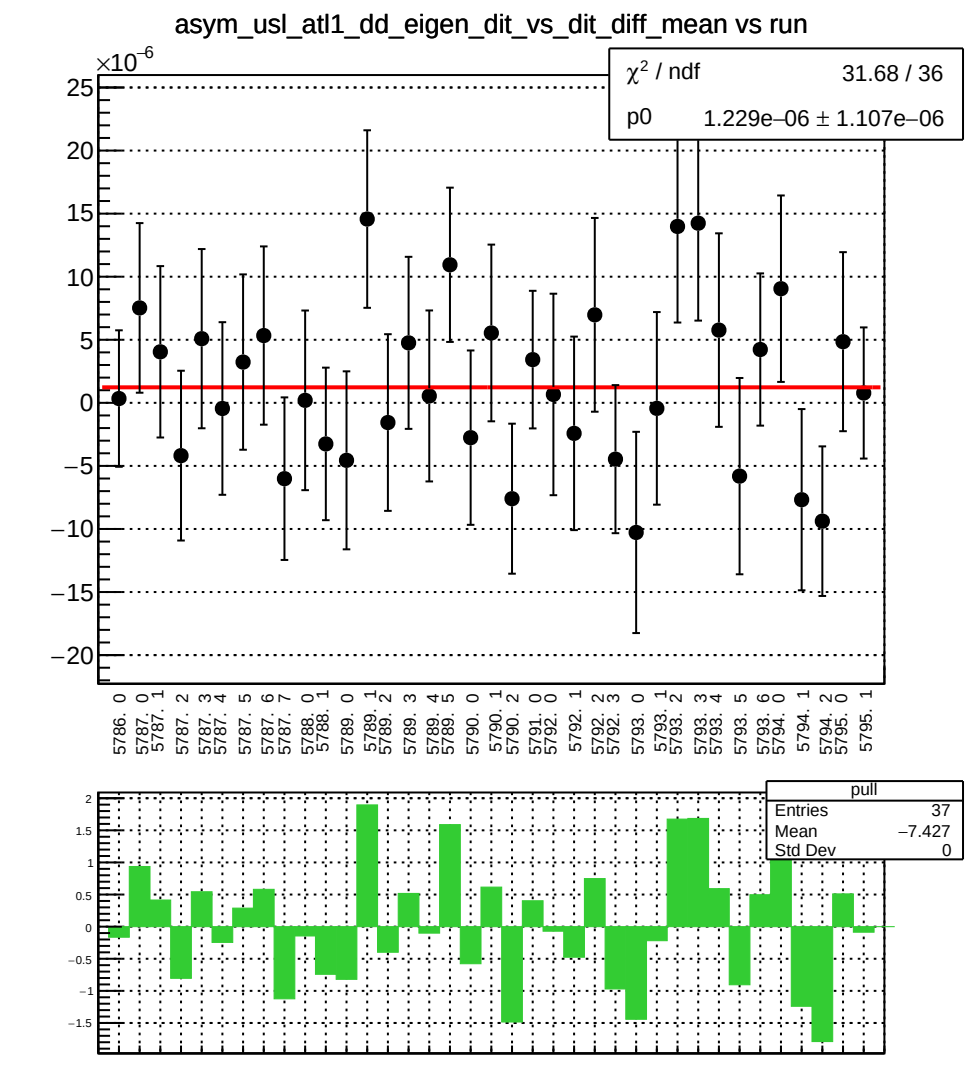
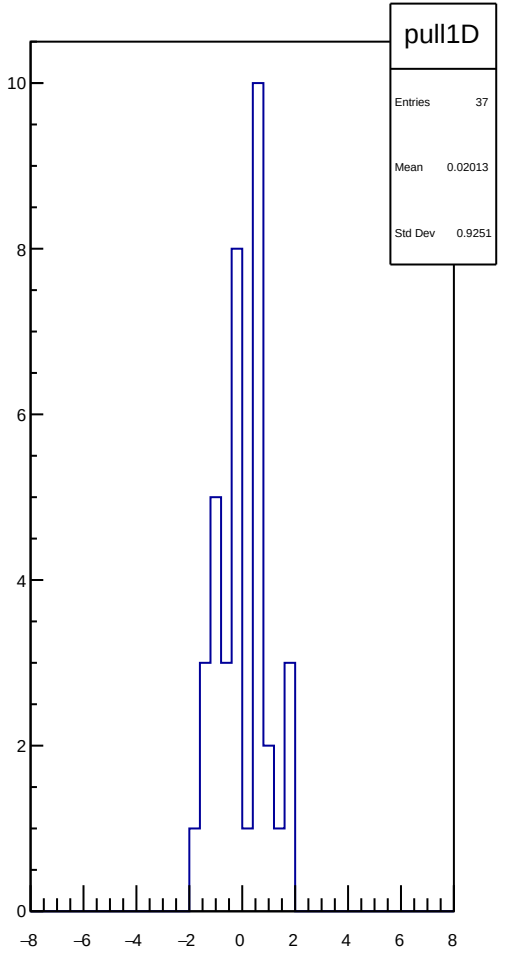
5795. 0
5795. 1

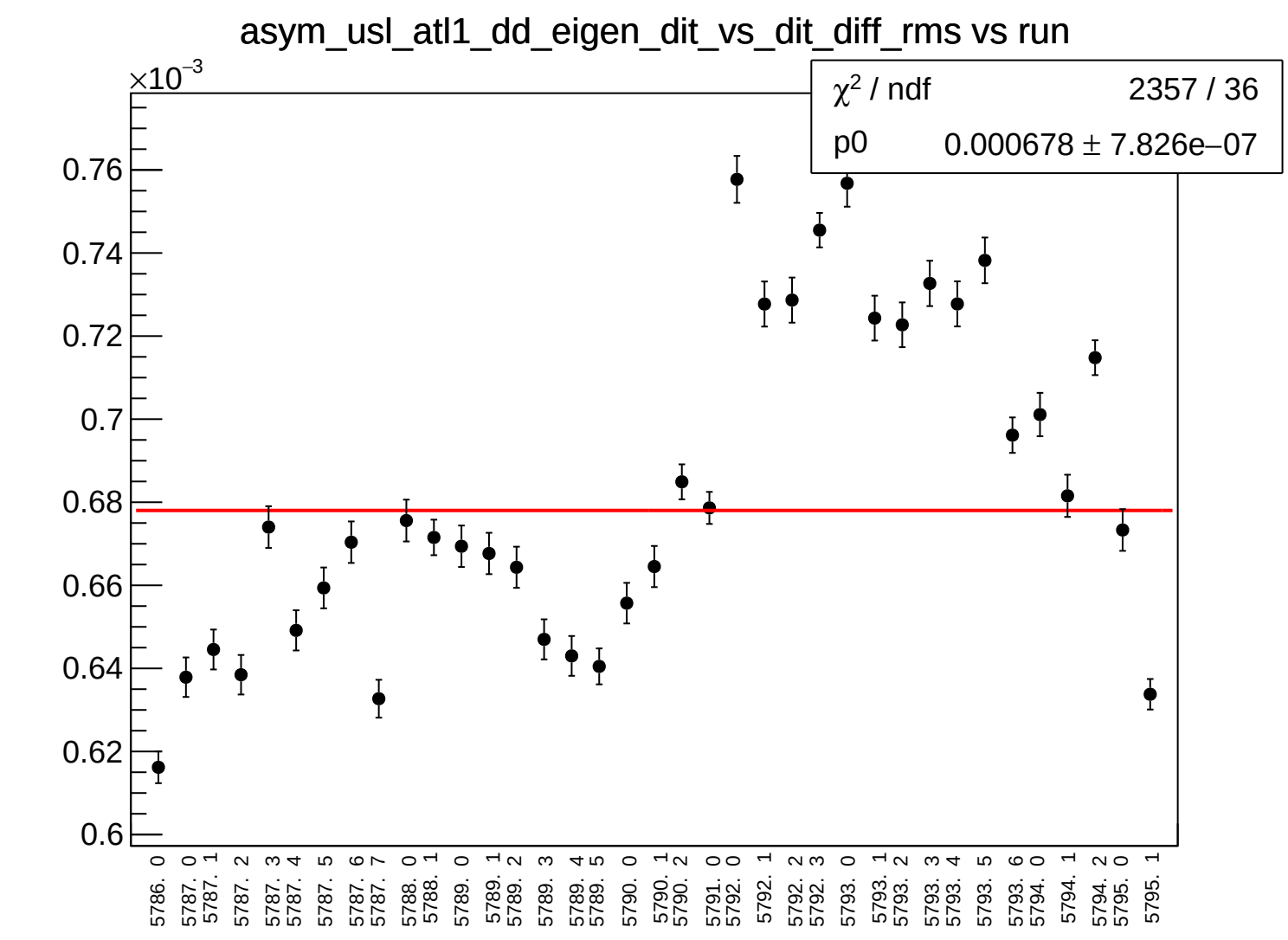

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.43 / 36
p0 −0.1492 ± 0.06333
pull
Entries 37
Mean 41.38
Std Dev 7.143

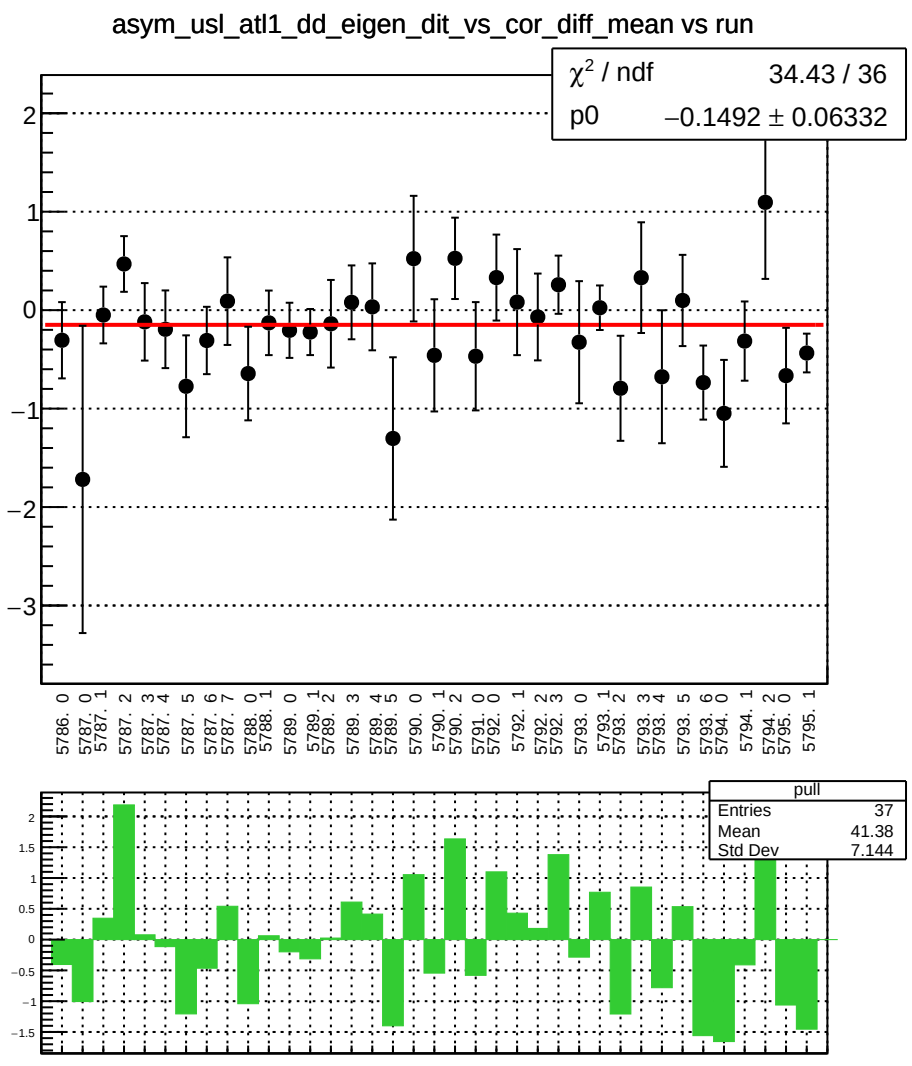

pull1D
Entries 37
Mean −0.0511
Std Dev 0.9632

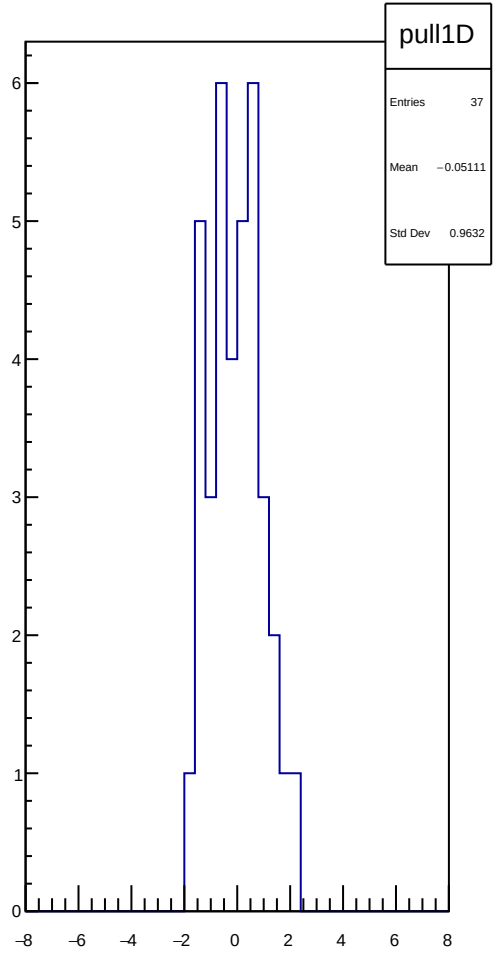

asym_usl_atl1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.131e+04 / 36
p0 36.42 ± 0.04478
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

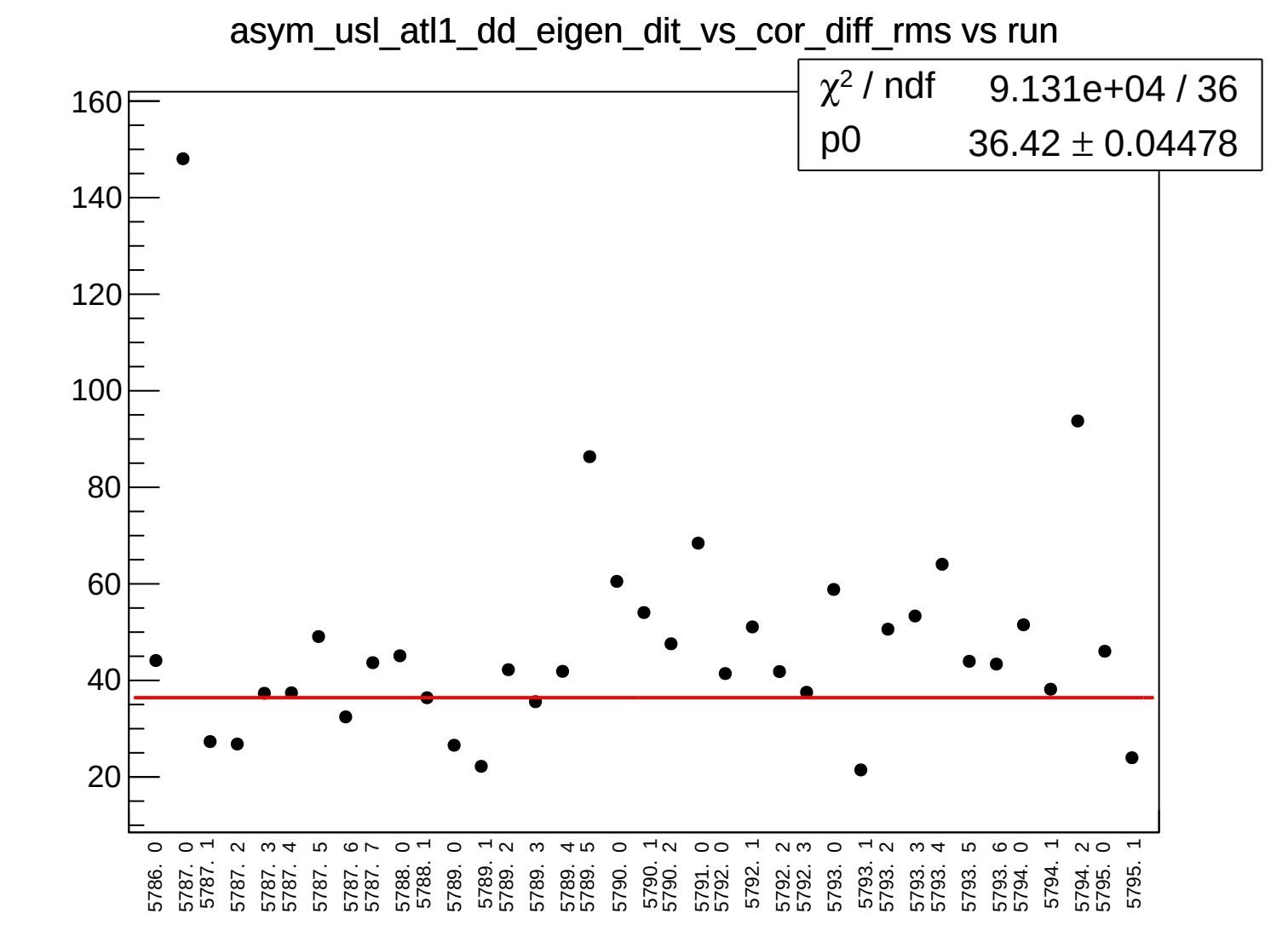

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 31.68 / 36
p0 1.229e−06 ± 1.107e−06
pull
Entries 37
Mean −7.427
Std Dev 0

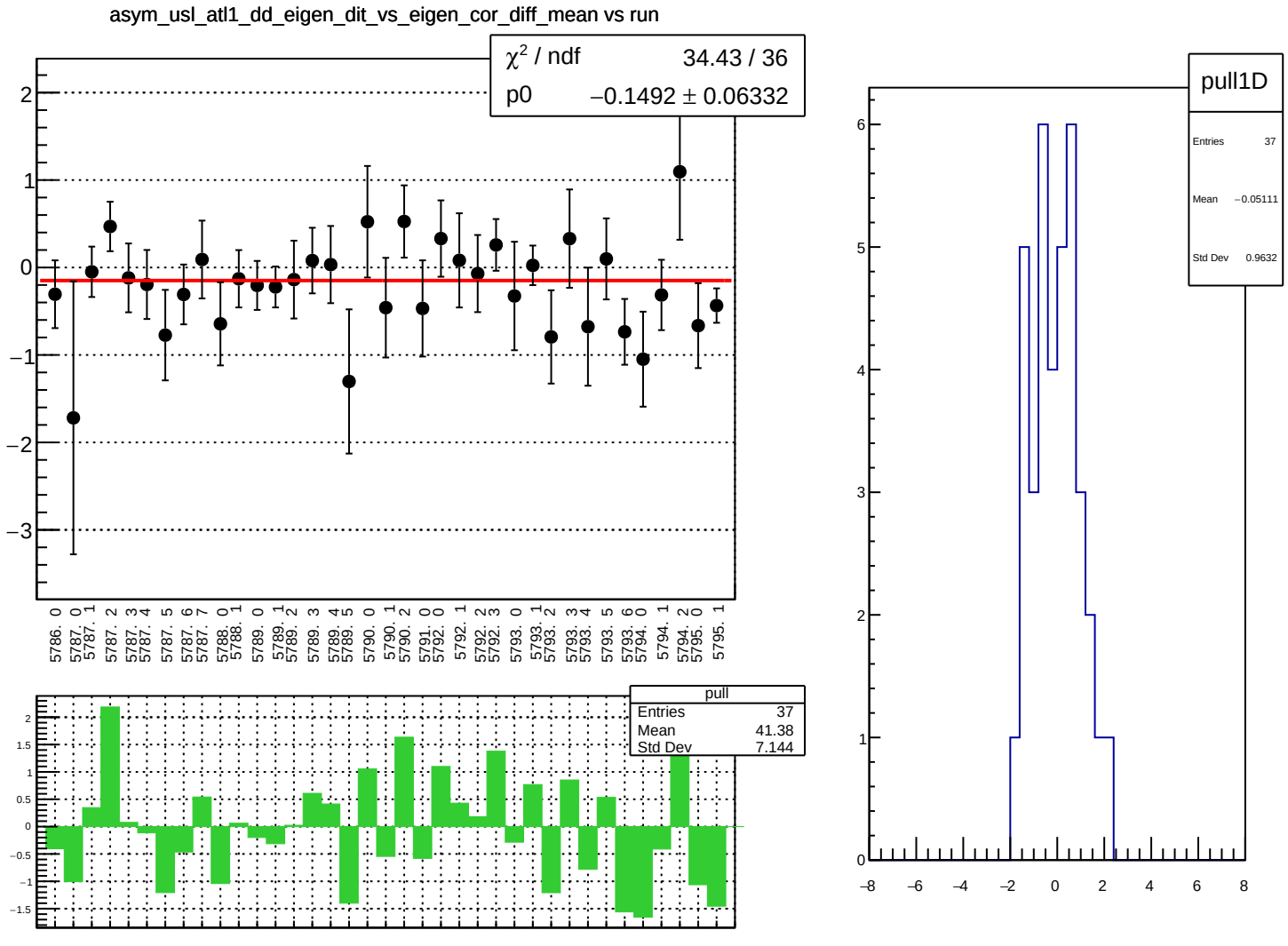

pull1D
Entries 37
Mean 0.02013
Std Dev 0.9251

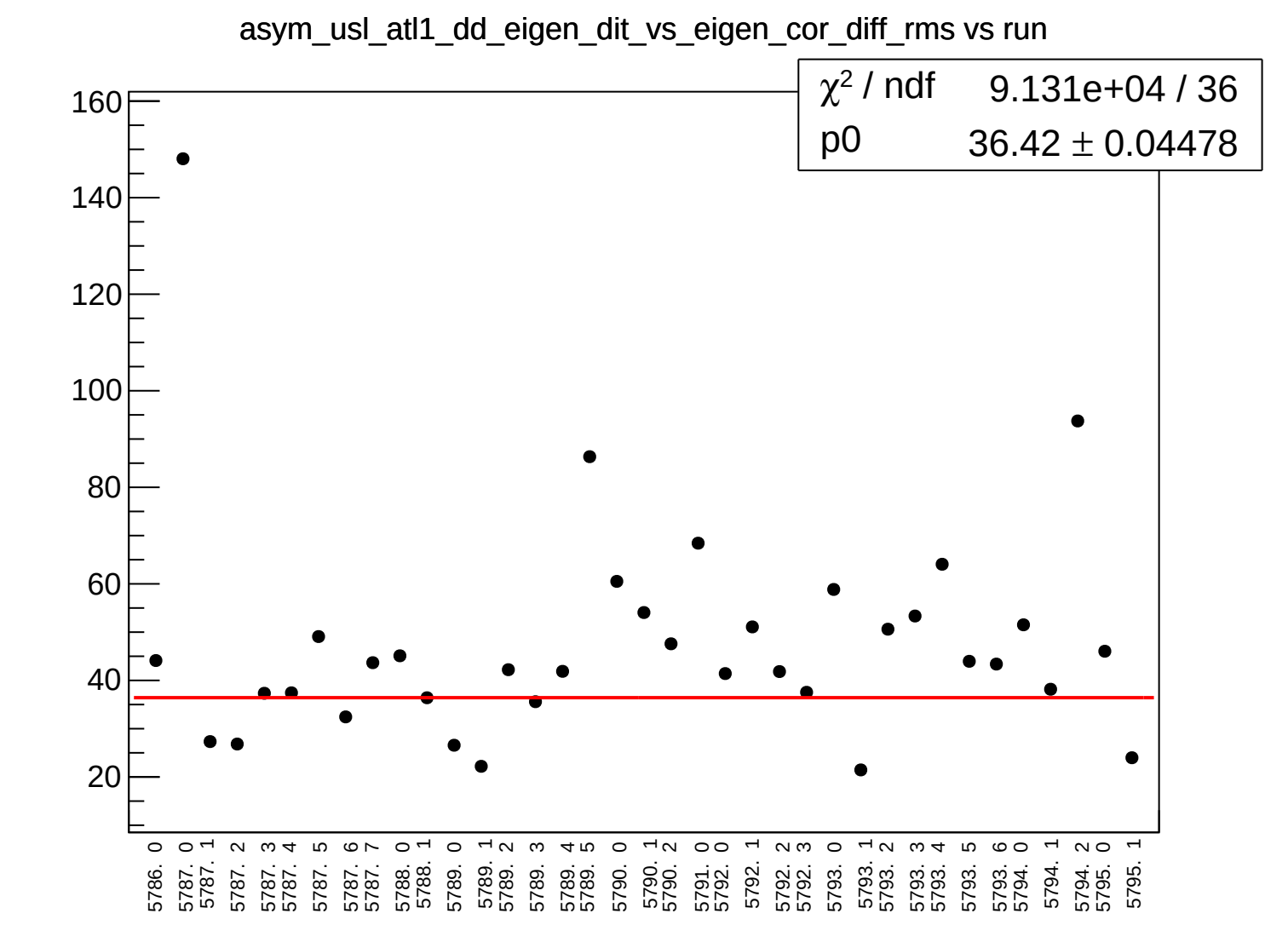

asym_usl_atl1_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2357 / 36
p0 0.000678 ± 7.826e−07
0.76
0.74
0.72
0.7
0.68
0.66
0.64
0.62
0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

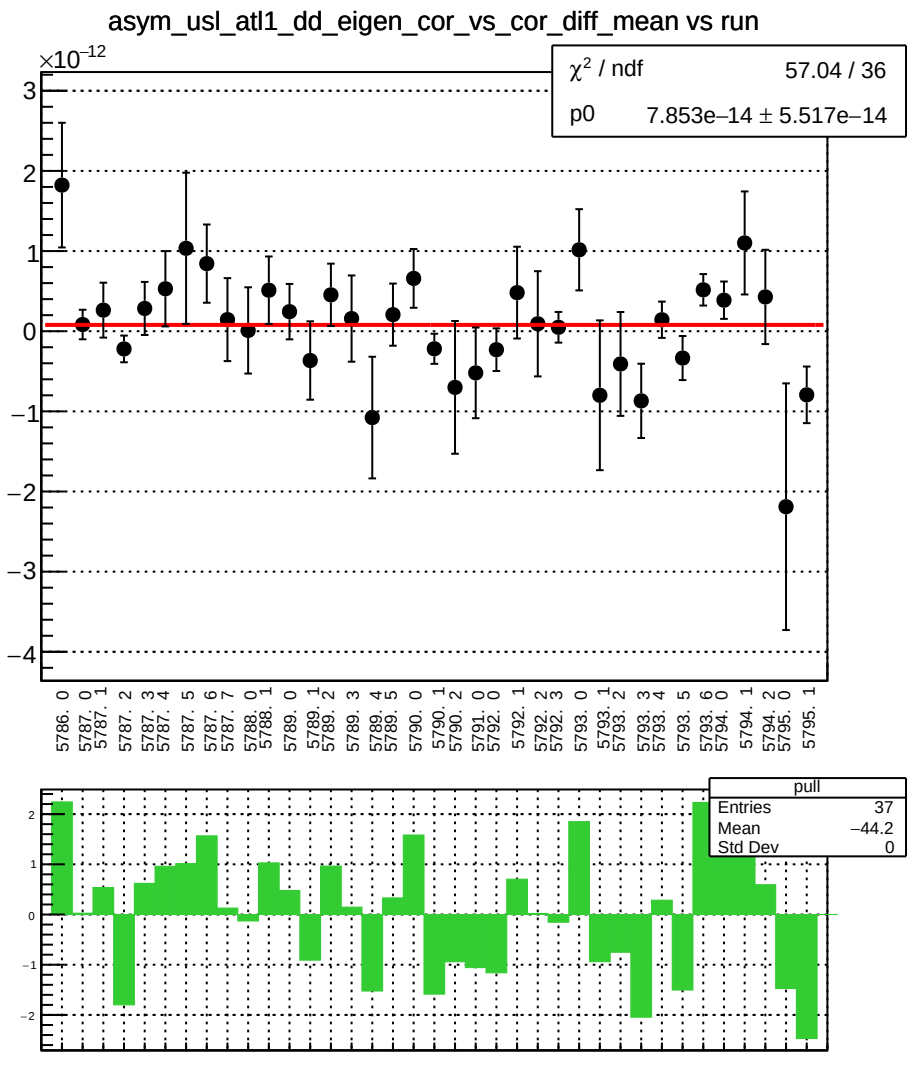

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 34.43 / 36
p0 −0.1492 ± 0.06332
pull
Entries 37
Mean 41.38
Std Dev 7.144

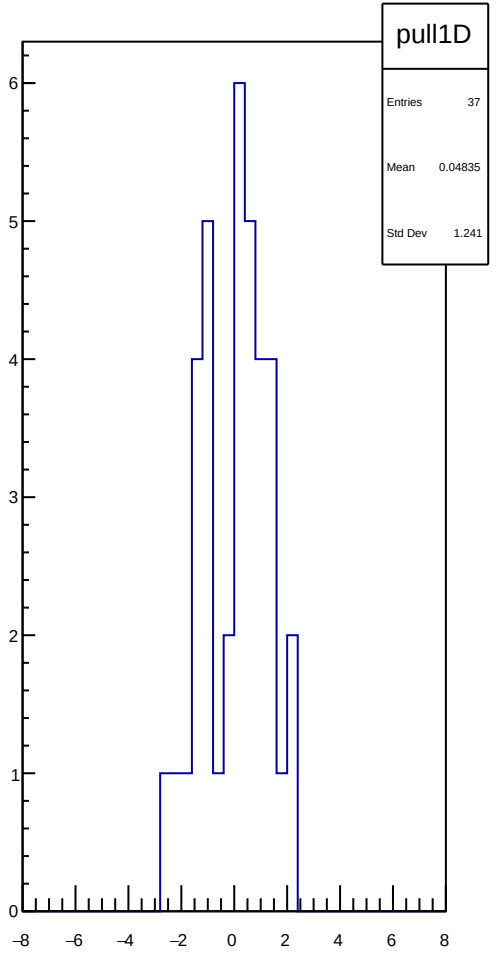

pull1D
Entries 37
Mean −0.05111
Std Dev 0.9632

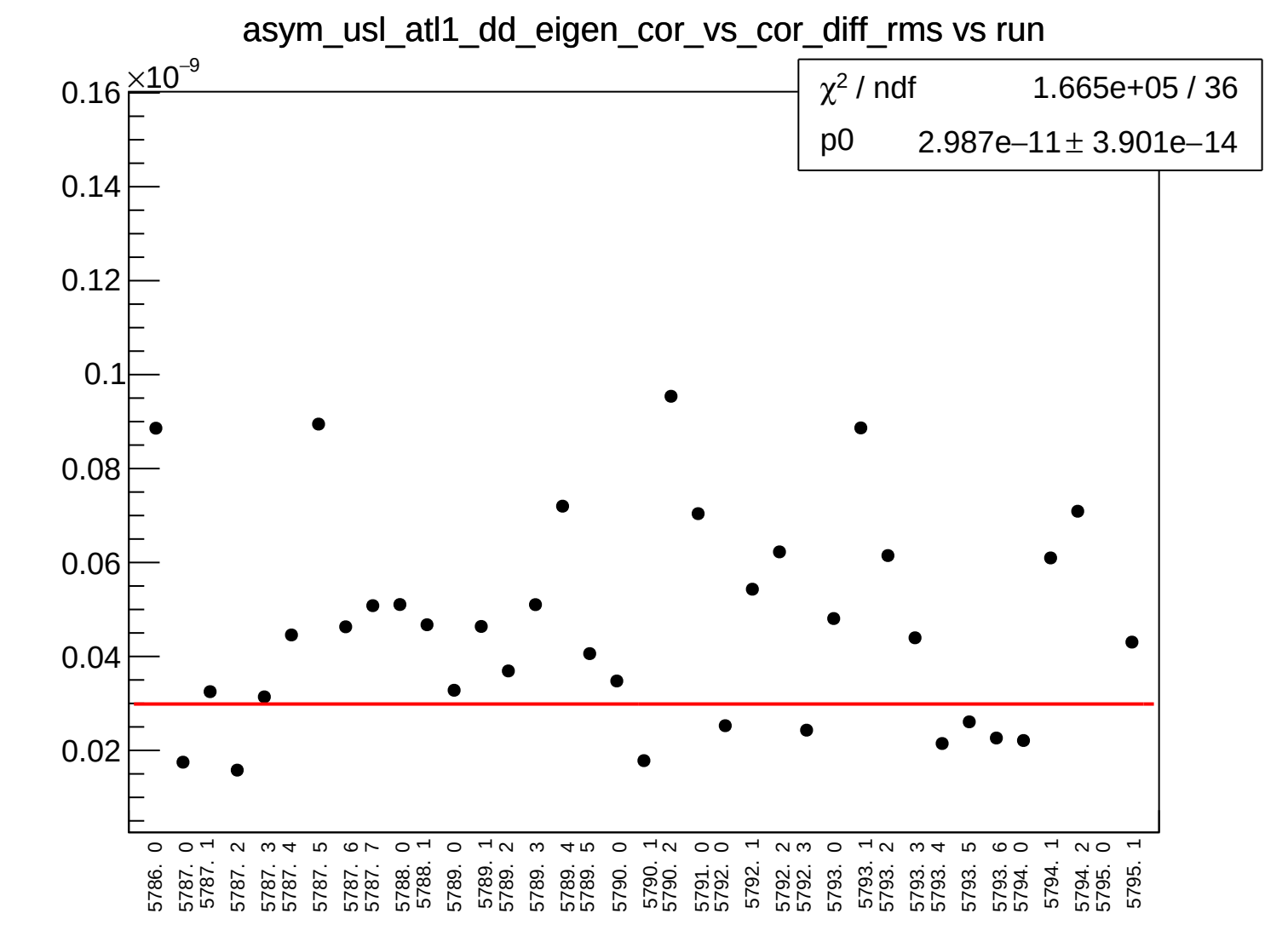

asym_usl_atl1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.131e+04 / 36
p0 36.42 ± 0.04478
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

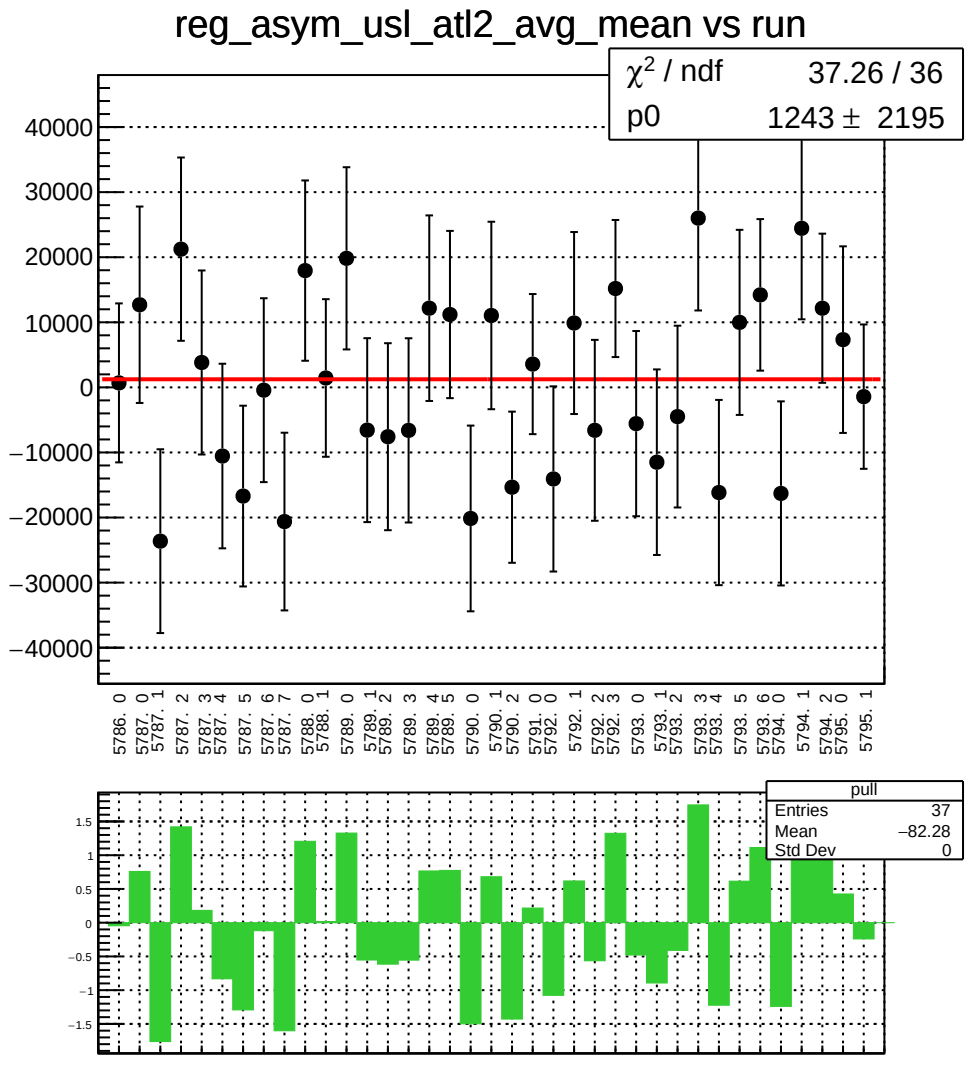

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 34.43 / 36
p0 −0.1492 ± 0.06332
pull
Entries 37
Mean 41.38
Std Dev 7.144
pull1D
Entries 37
Mean −0.05111
Std Dev 0.9632

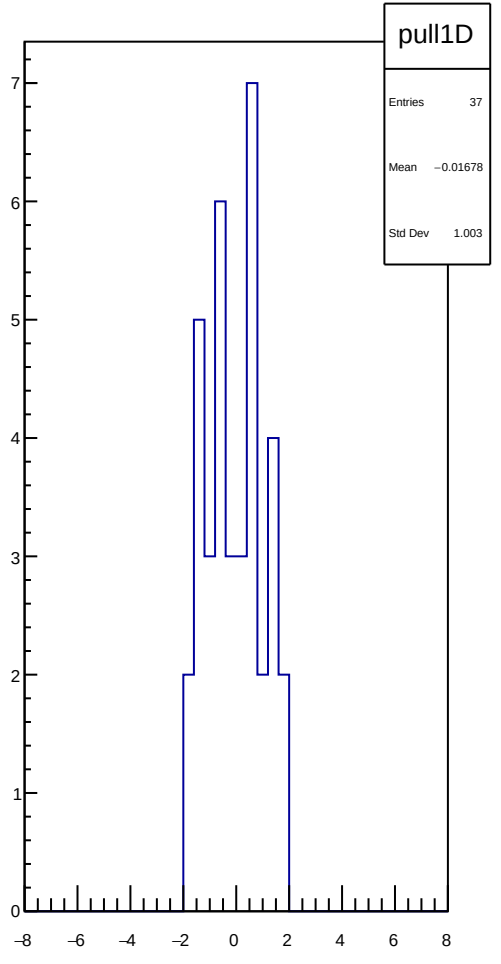

asym_usl_atl1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.131e+04 / 36
p0 36.42 ± 0.04478
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

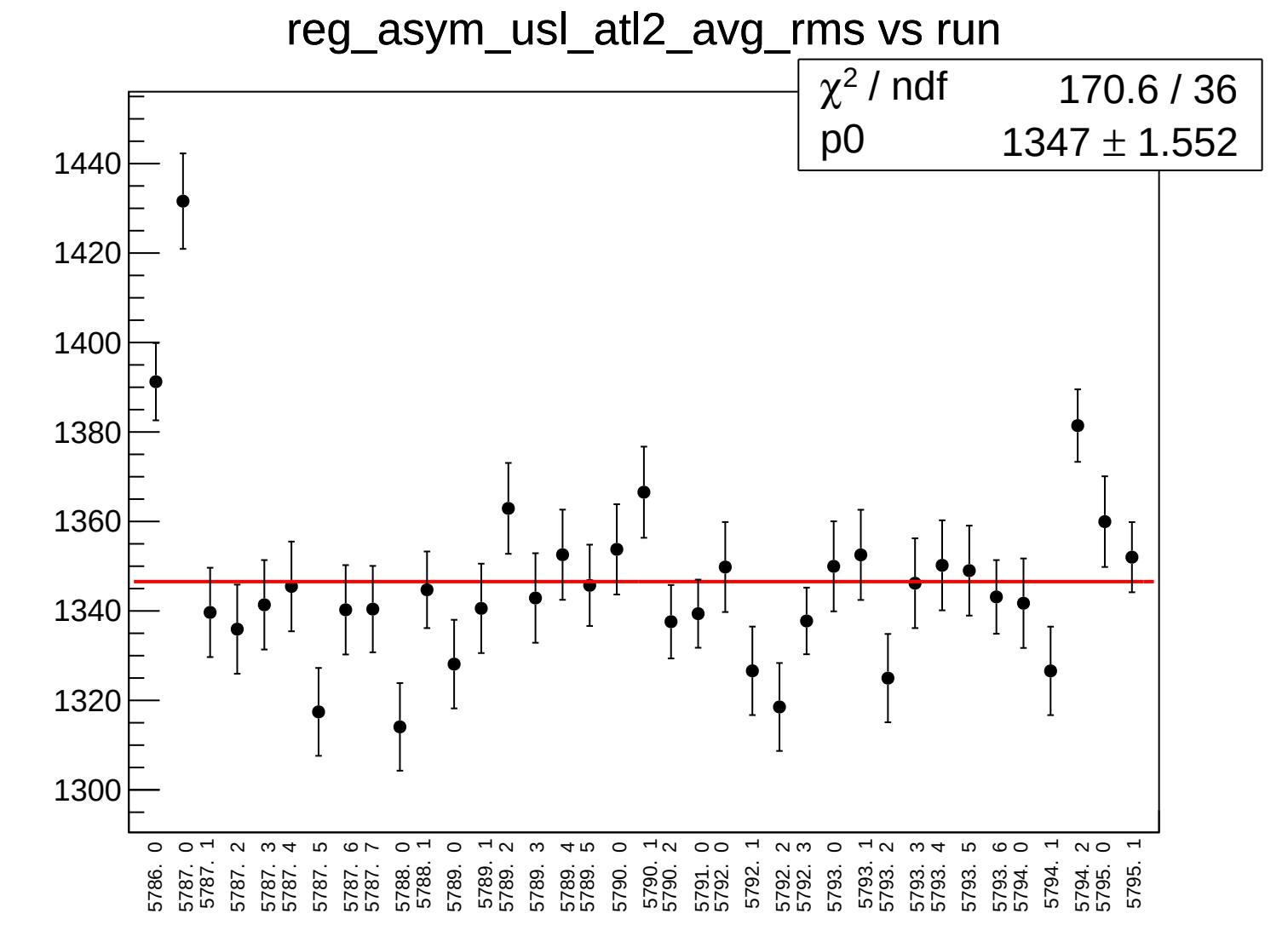

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.04 / 36
p0 7.853e−14 ± 5.517e−14
pull
Entries 37
Mean −44.2
Std Dev 0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

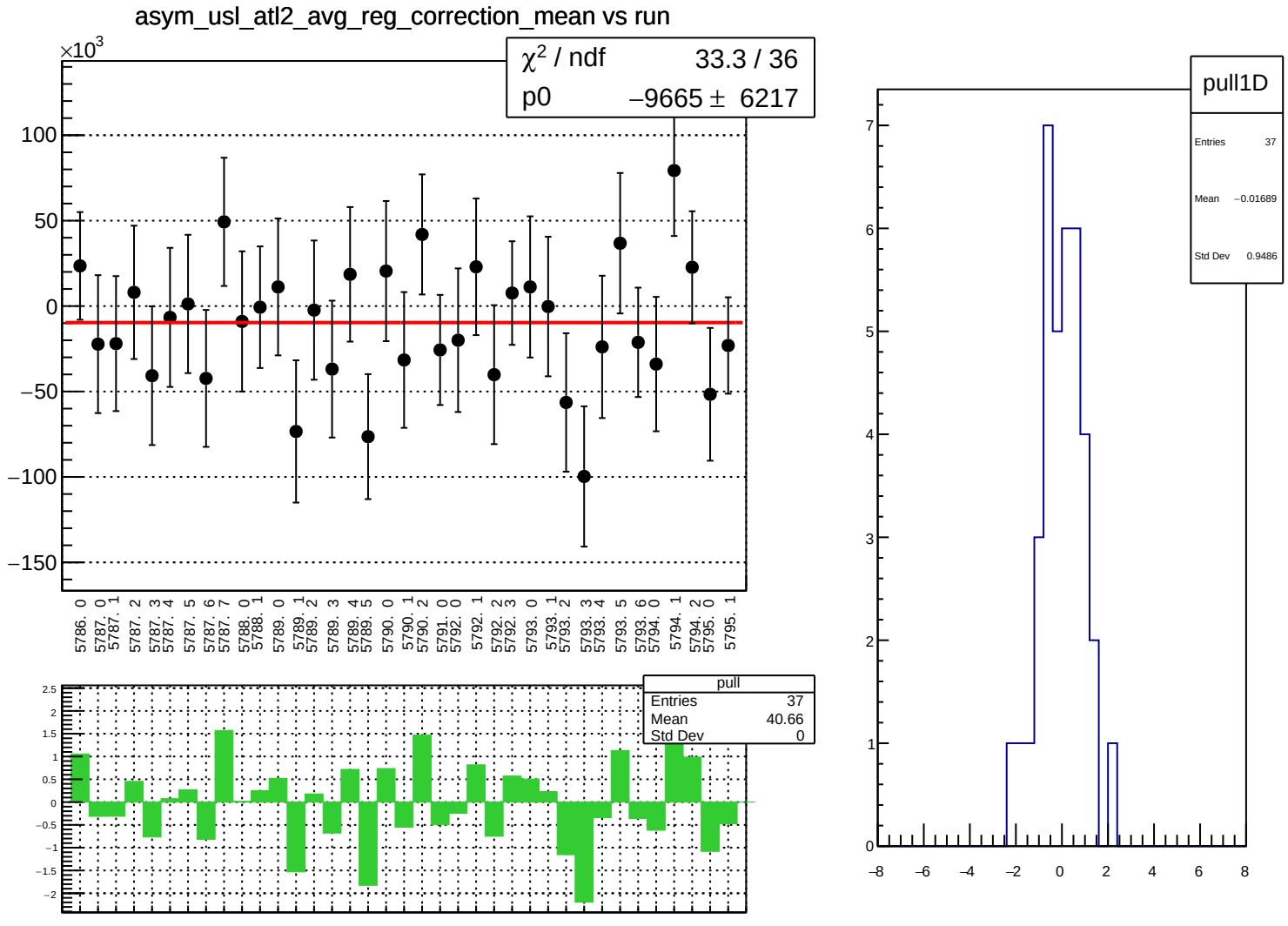

pull1D
Entries 37
Mean 0.04835
Std Dev 1.241

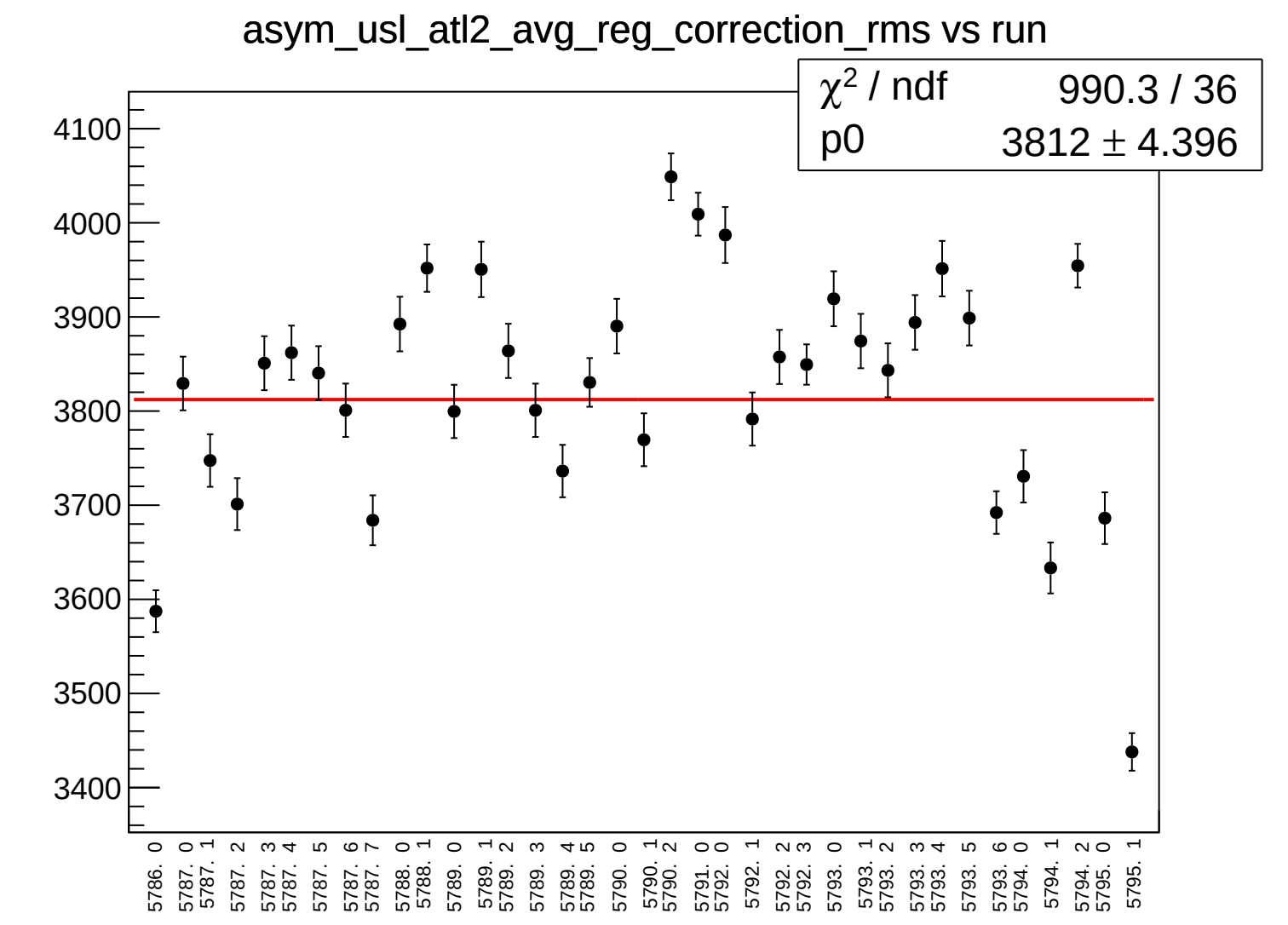

asym_usl_atl1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.665e+05 / 36
p0 2.987e−11 ± 3.901e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

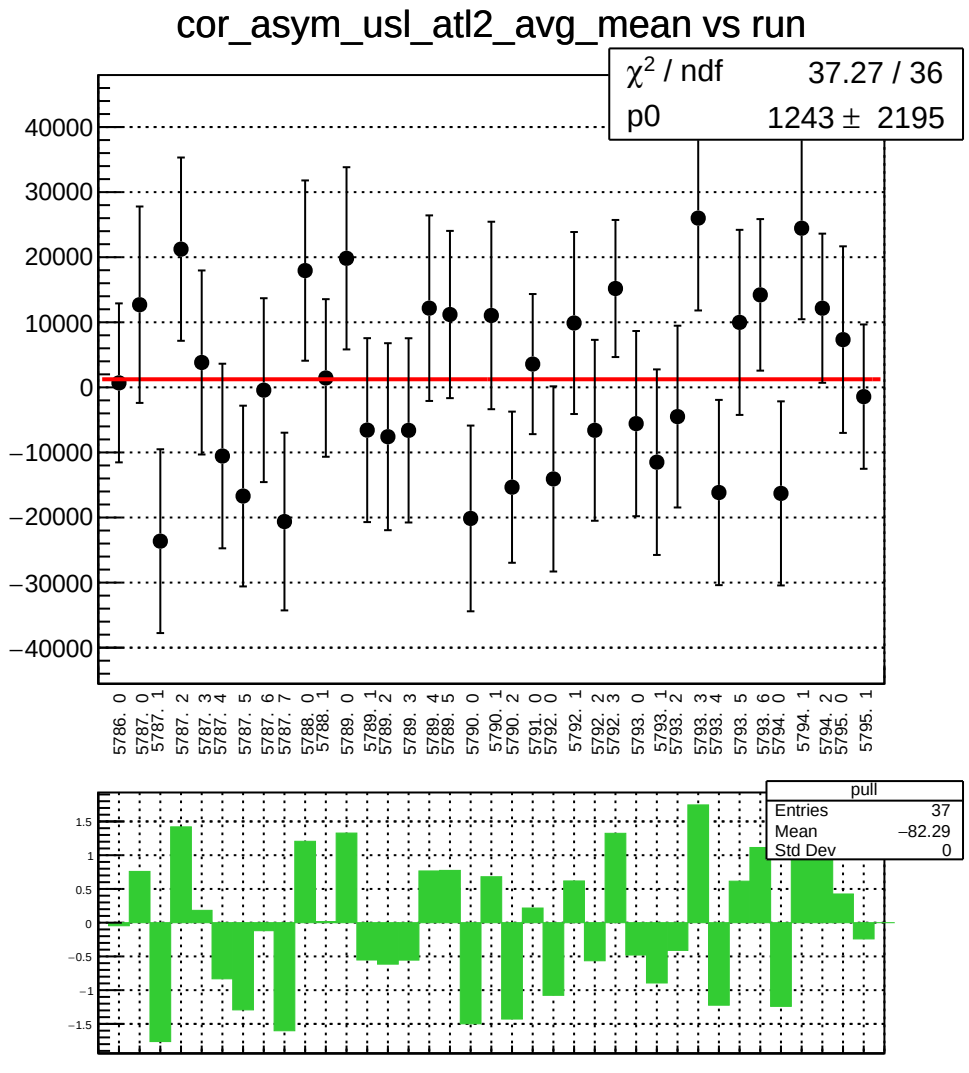

reg_asym_usl_atl2_avg_mean vs run
χ² / ndf 37.26 / 36
p0 1243 ± 2195
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.28
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

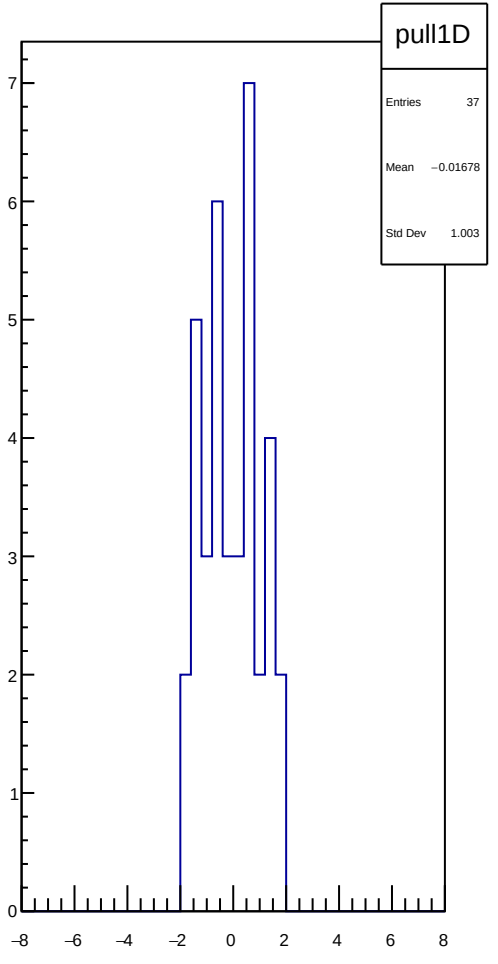

pull1D
Entries 37
Mean −0.01678
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

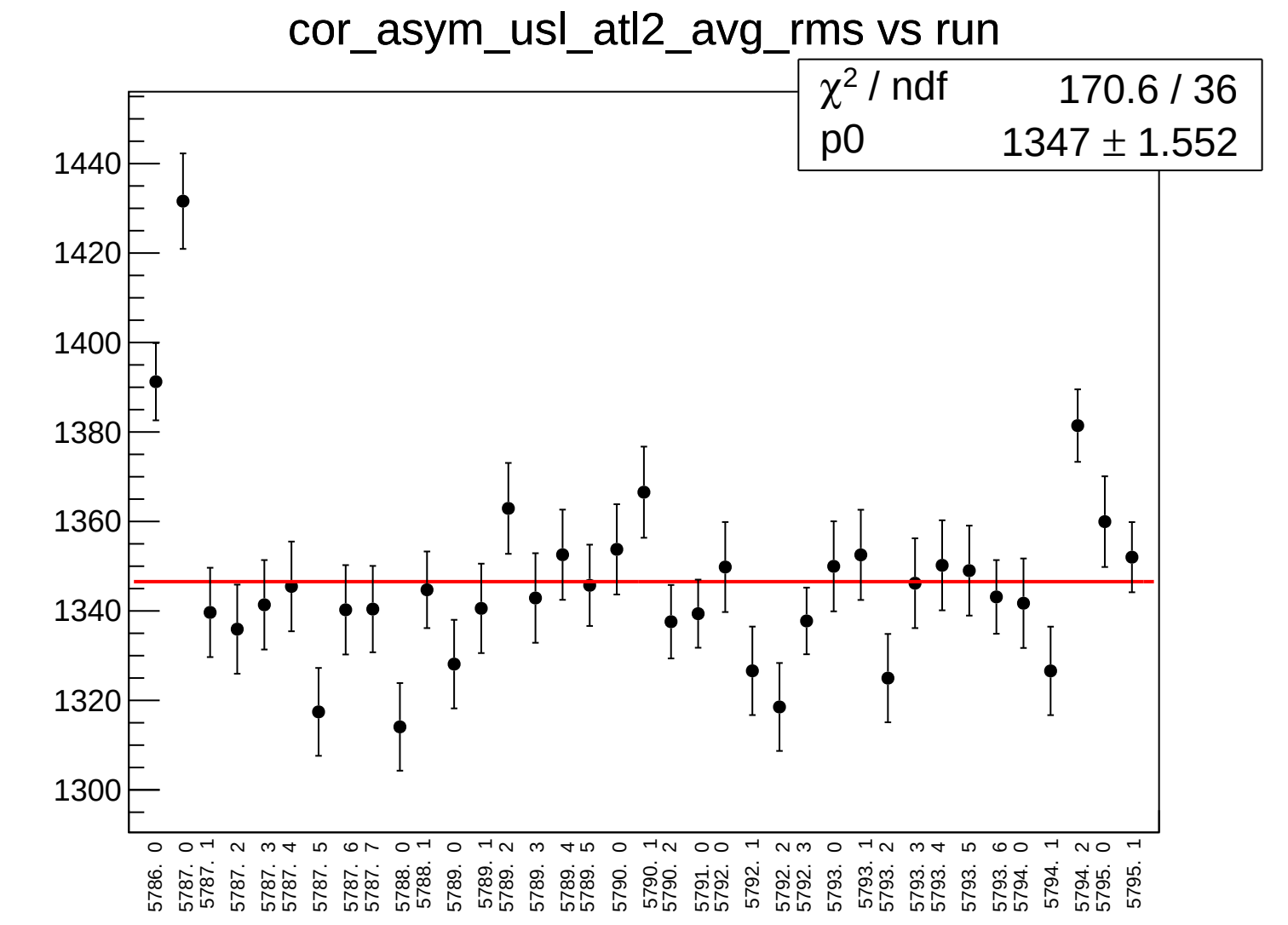

reg_asym_usl_atl2_avg_rms vs run
χ² / ndf 170.6 / 36
p0 1347 ± 1.552
1440
1420
1400
1380
1360
1340
1320
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

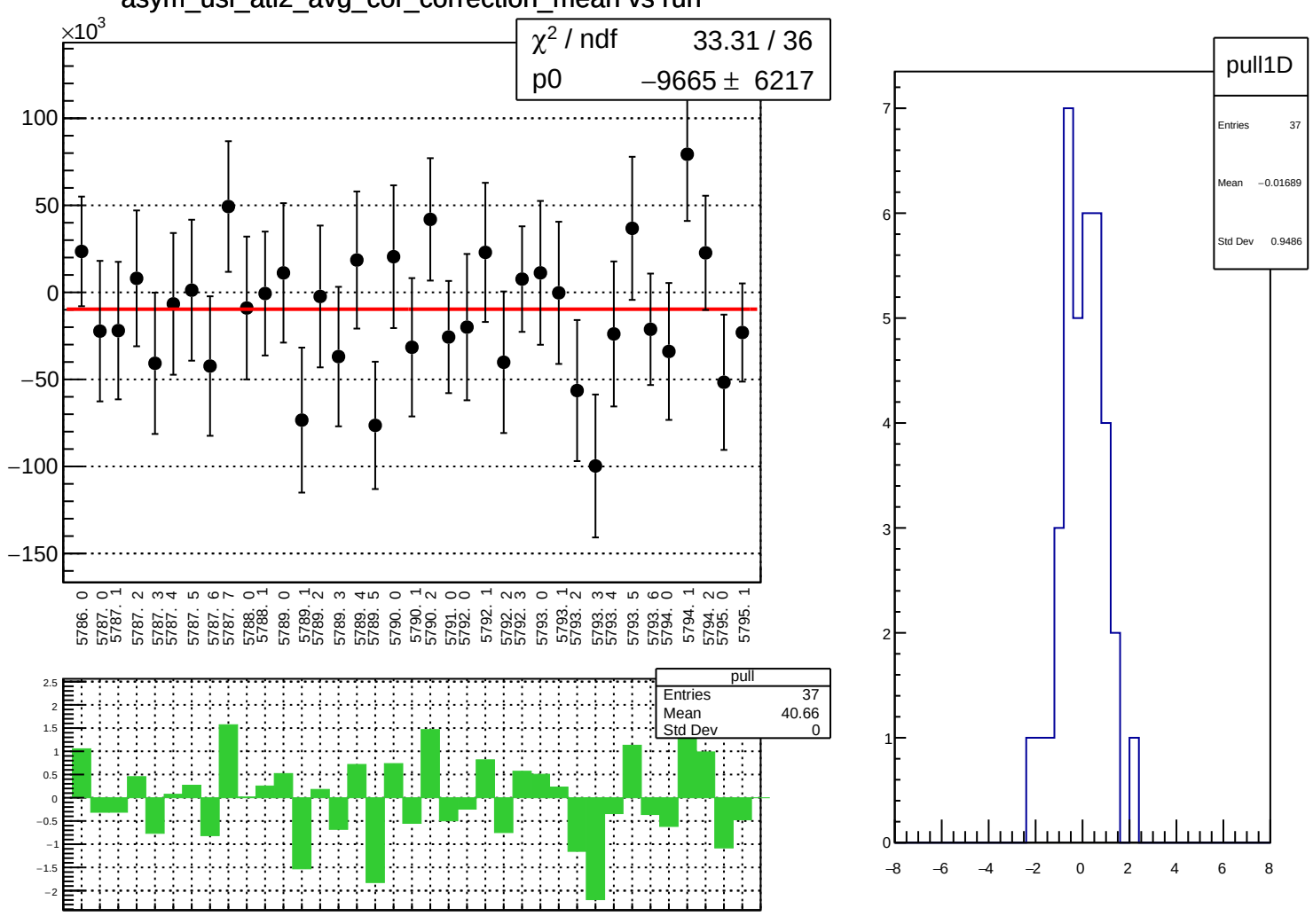

asym_usl_atl2_avg_reg_correction_mean vs run
χ² / ndf 33.3 / 36
p0 −9665 ± 6217
×10³
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01689
Std Dev 0.9486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

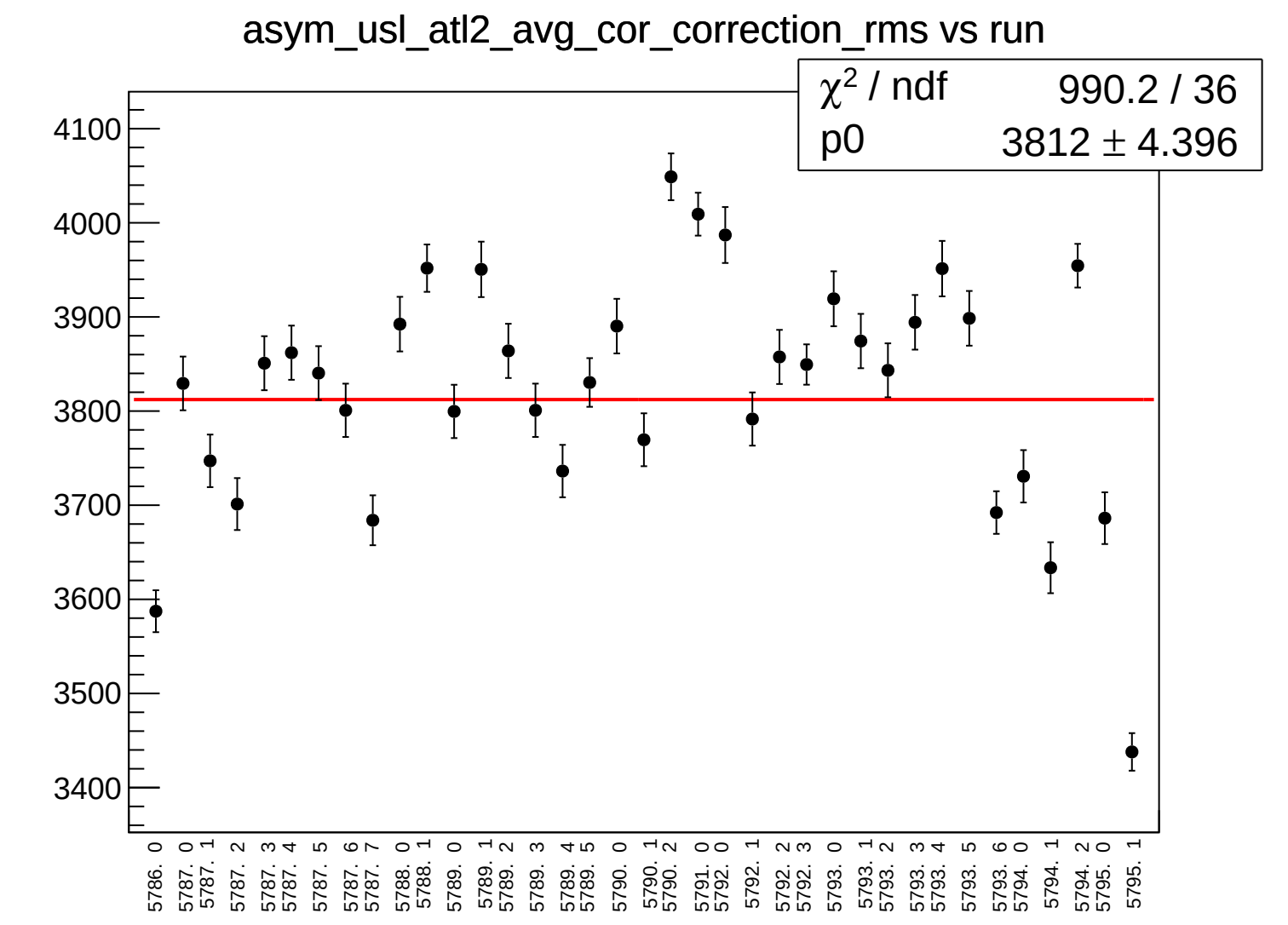

asym_usl_atl2_avg_reg_correction_rms vs run
χ² / ndf 990.3 / 36
p0 3812 ± 4.396
4100
4000
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

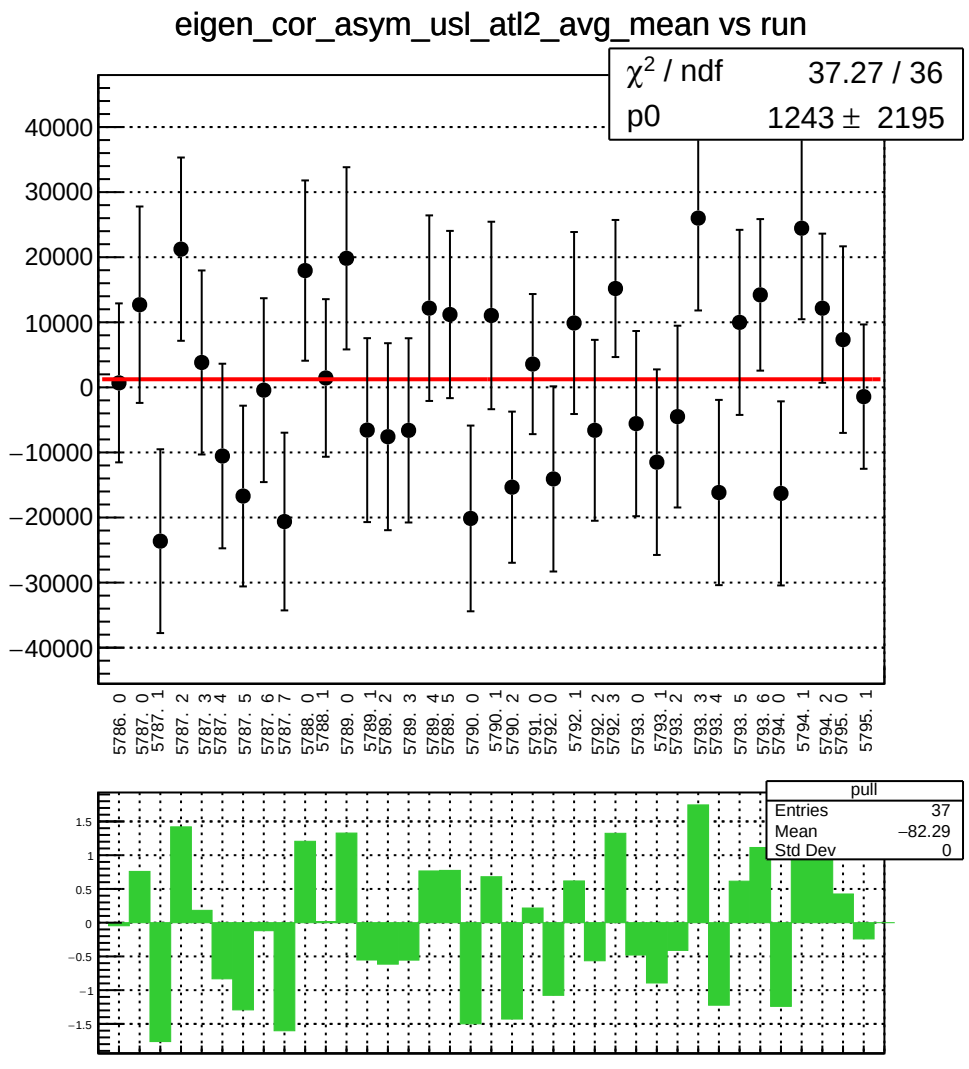

cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 37.27 / 36
p0 1243 ± 2195
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

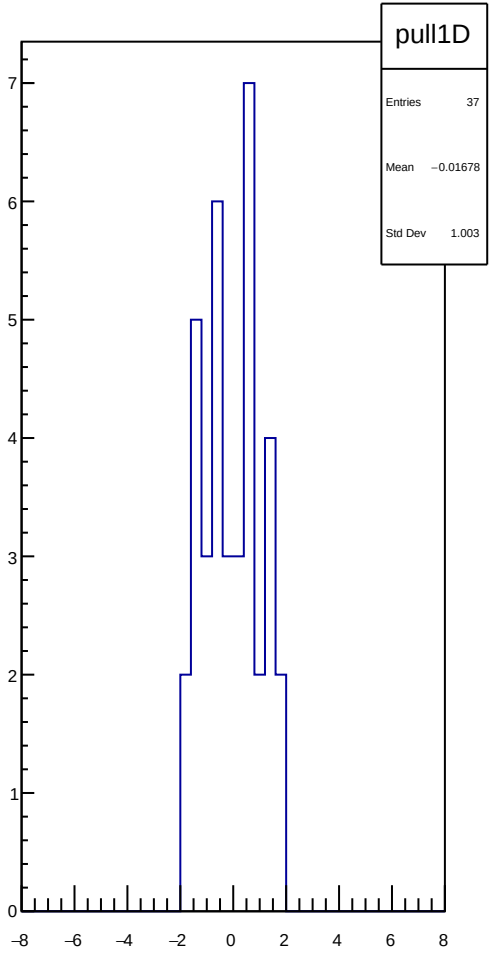

pull1D
Entries 37
Mean −0.01678
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

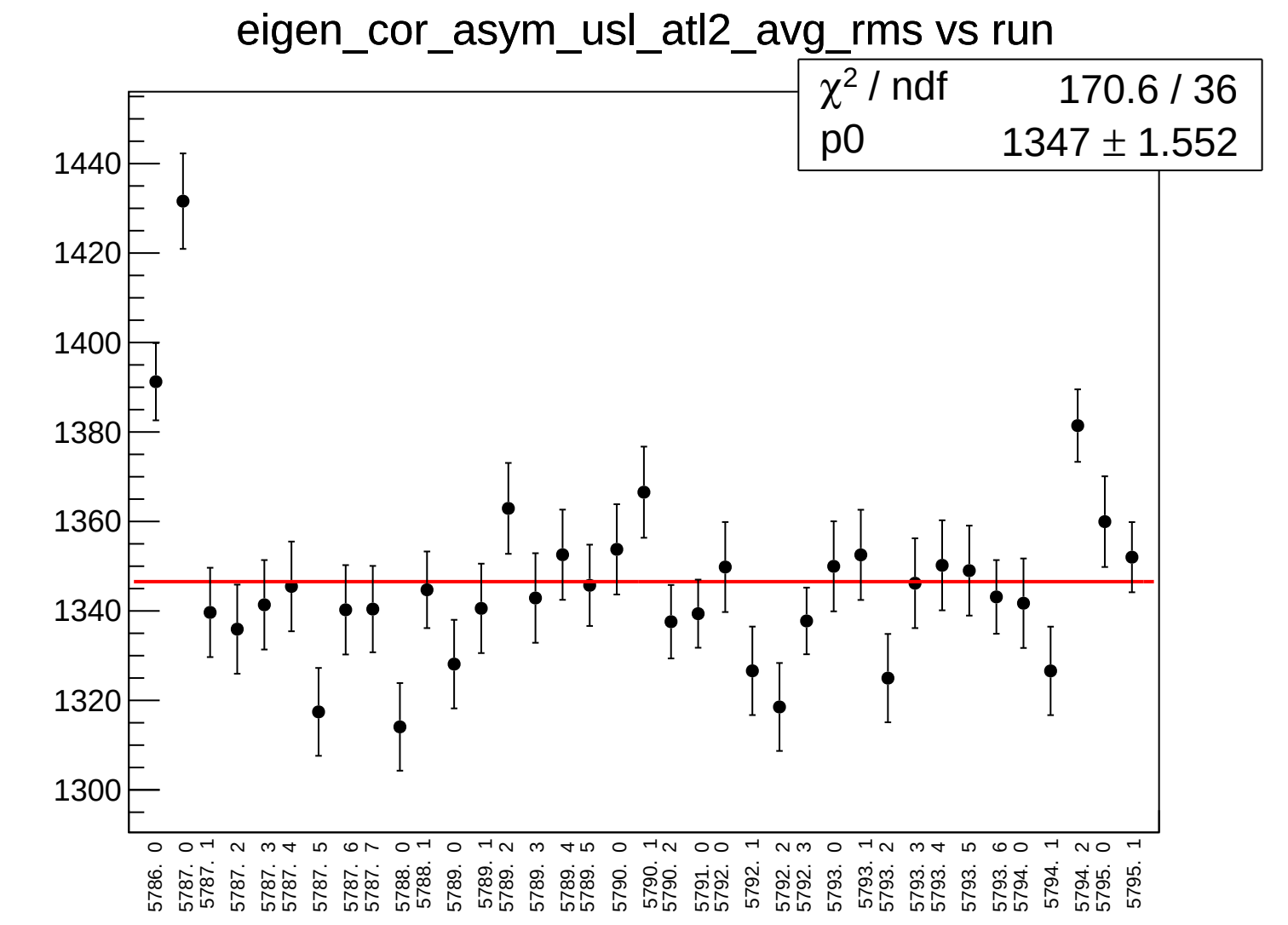

cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 170.6 / 36
p0 1347 ± 1.552
1440
1420
1400
1380
1360
1340
1320
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

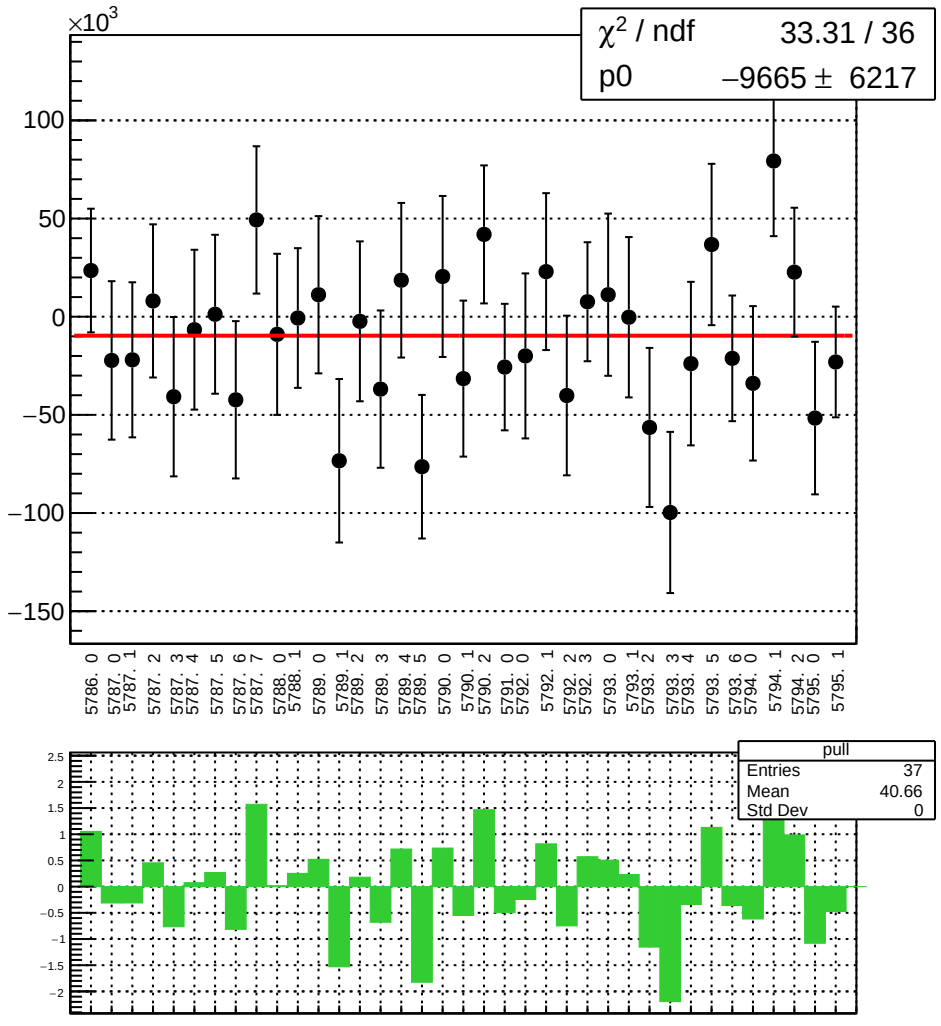

asym_usl_atl2_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.31 / 36
p0 −9665 ± 6217
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01689
Std Dev 0.9486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

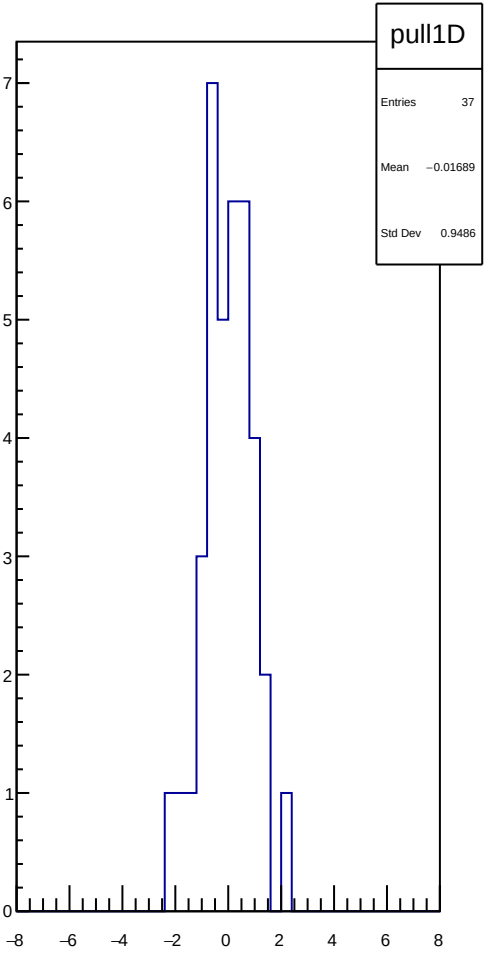

asym_usl_atl2_avg_cor_correction_rms vs run
χ² / ndf 990.2 / 36
p0 3812 ± 4.396
4100
4000
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

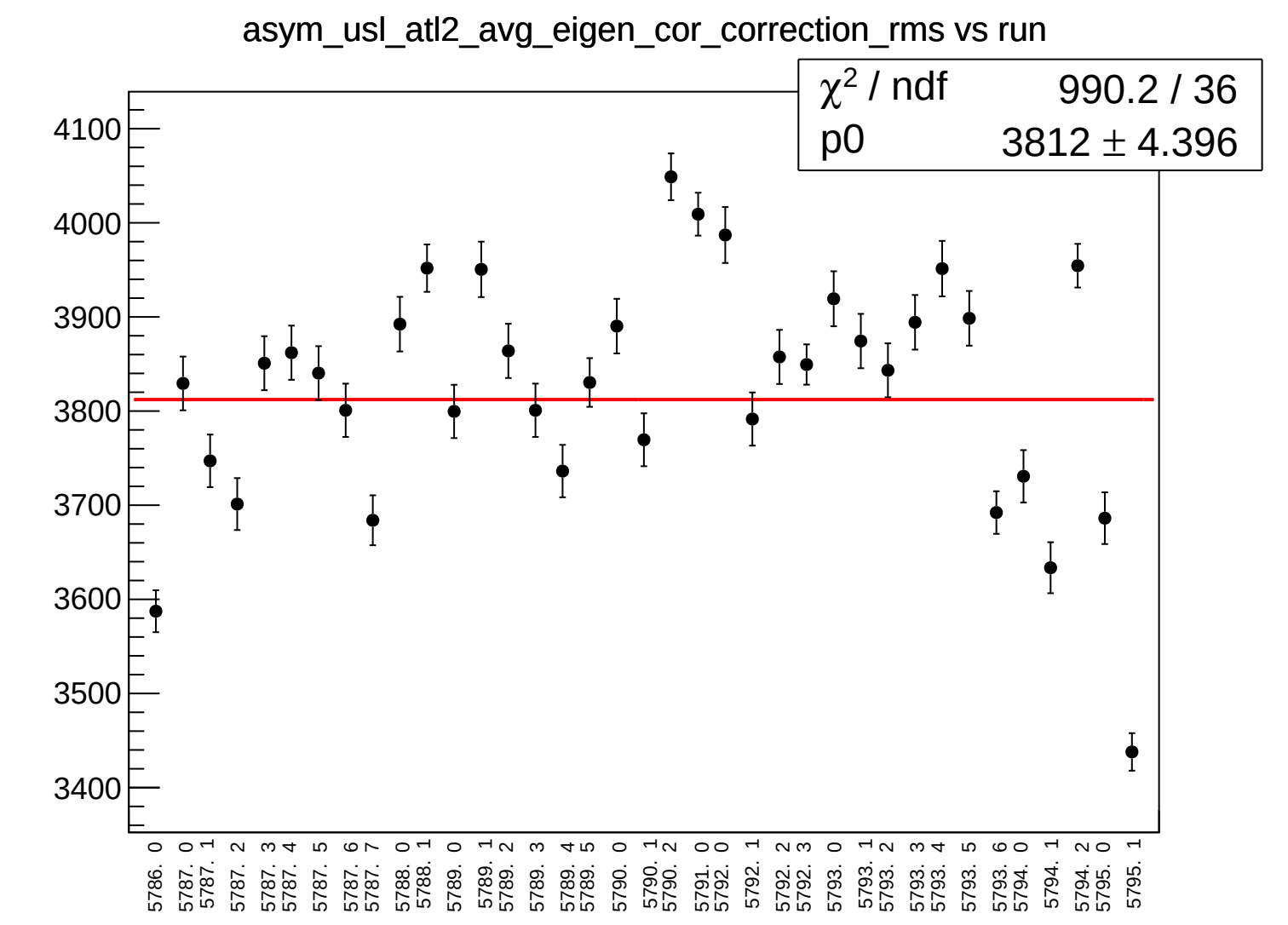

eigen_cor_asym_usl_atl2_avg_mean vs run
χ² / ndf 37.27 / 36
p0 1243 ± 2195
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.29
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

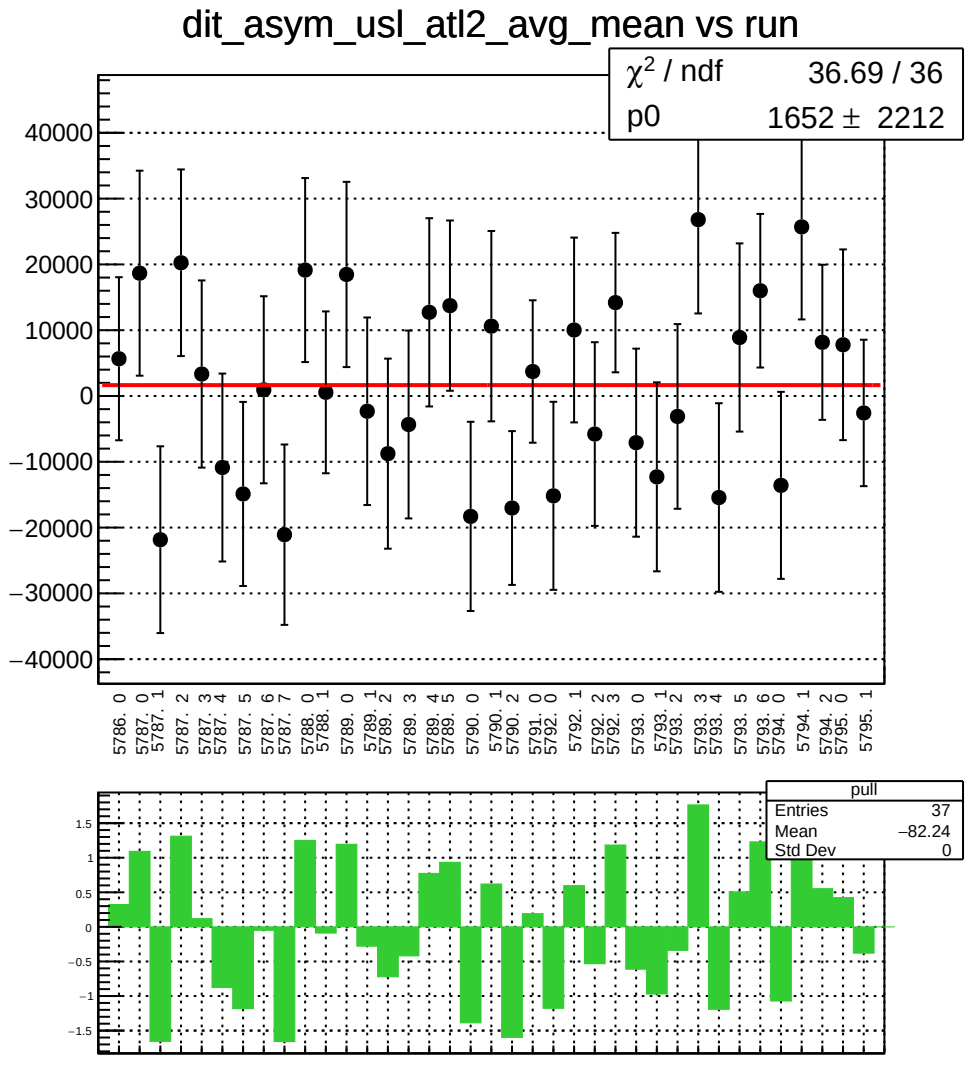

pull1D
Entries 37
Mean −0.01678
Std Dev 1.003
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

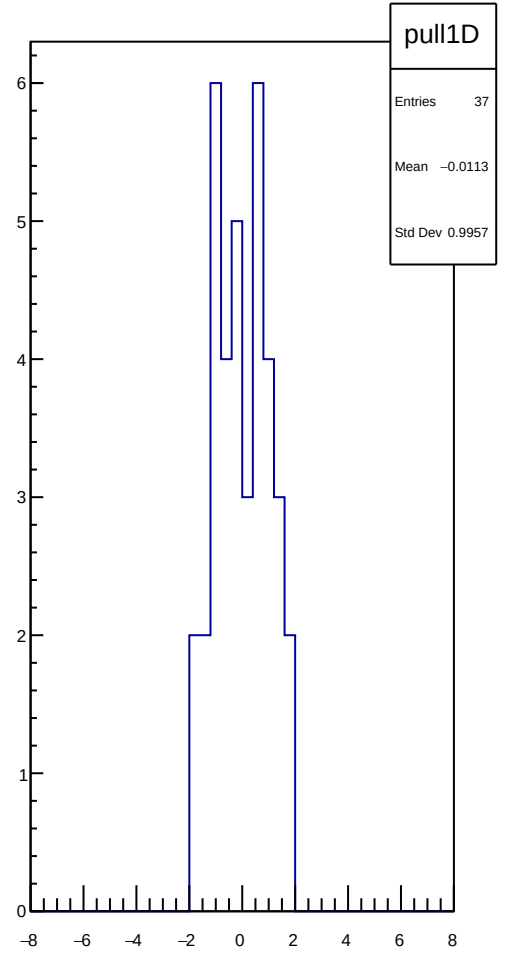

eigen_cor_asym_usl_atl2_avg_rms vs run
χ² / ndf 170.6 / 36
p0 1347 ± 1.552
1440
1420
1400
1380
1360
1340
1320
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

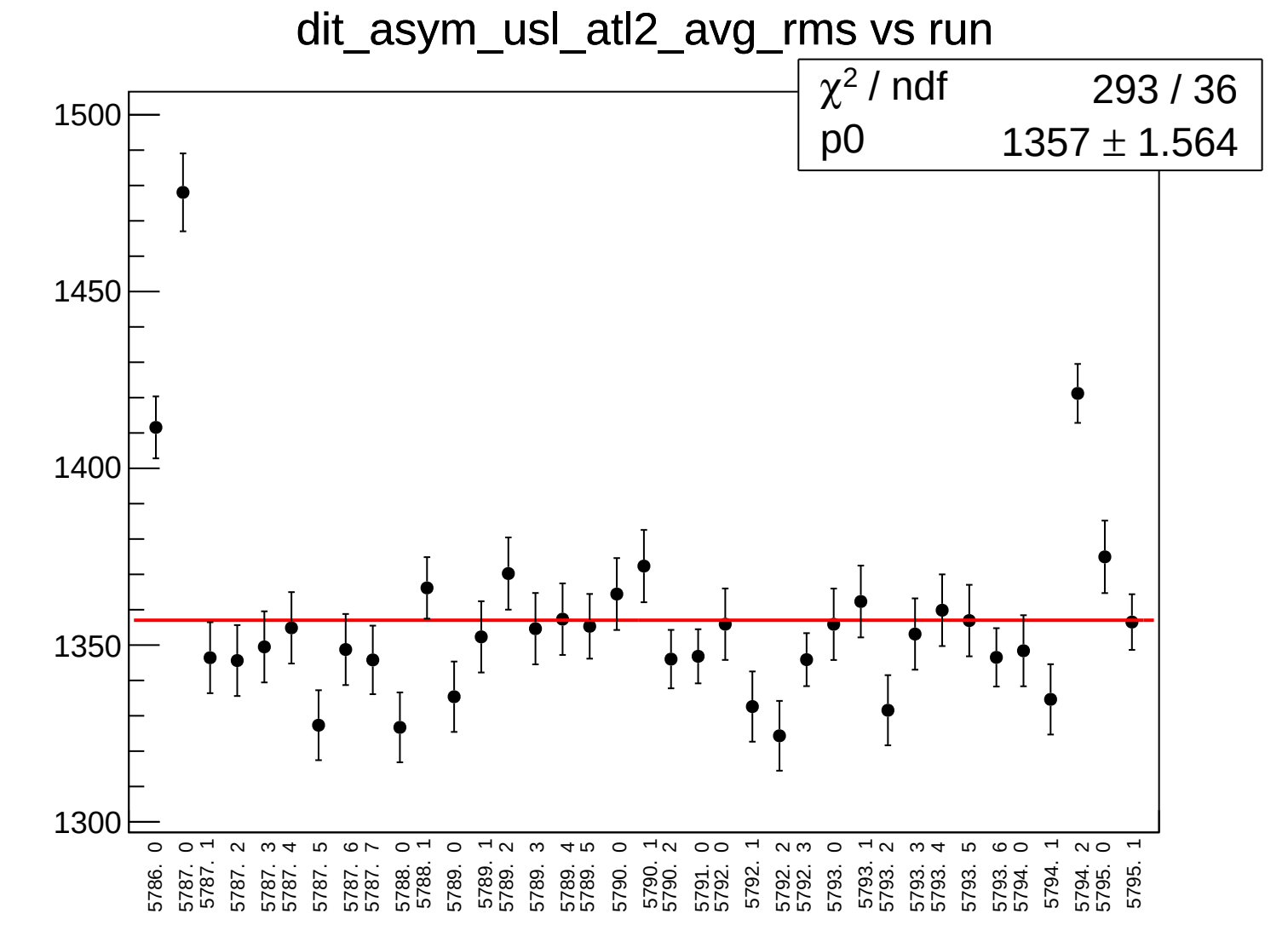

asym_usl_atl2_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 33.31 / 36
p0 −9665 ± 6217
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.66
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

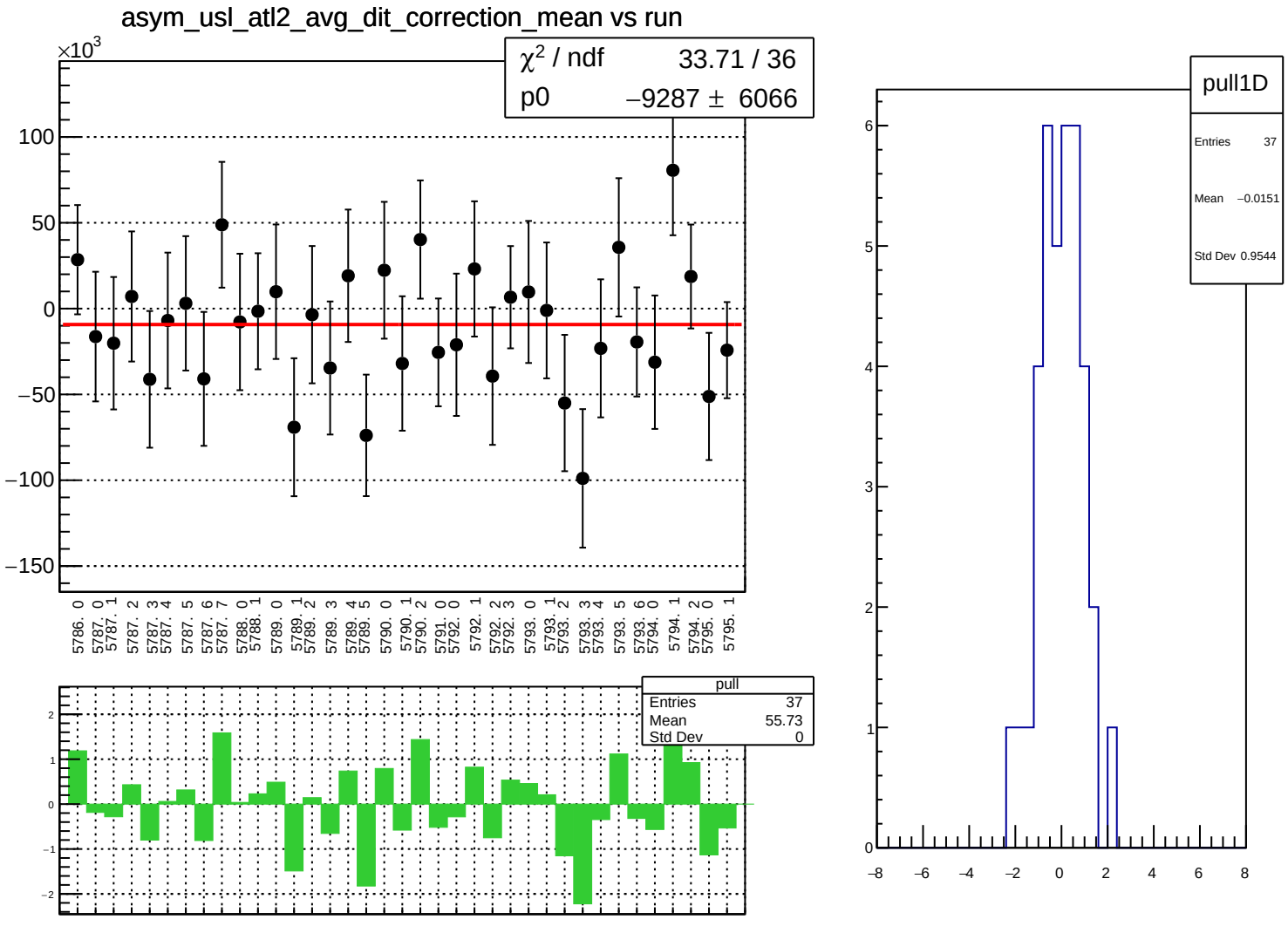

pull1D
Entries 37
Mean −0.01689
Std Dev 0.9486
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

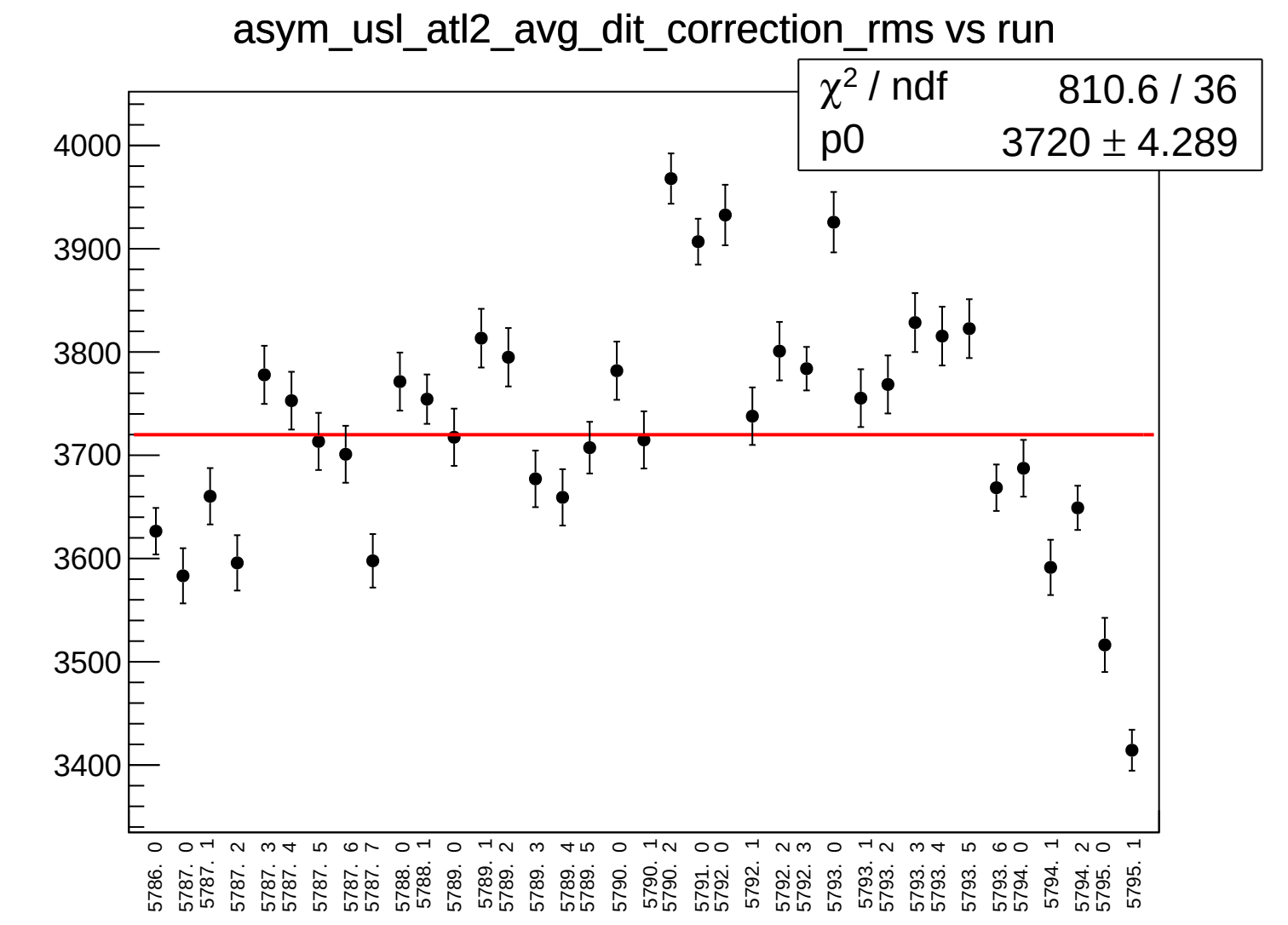

asym_usl_atl2_avg_eigen_cor_correction_rms vs run
χ² / ndf 990.2 / 36
p0 3812 ± 4.396
4100
4000
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

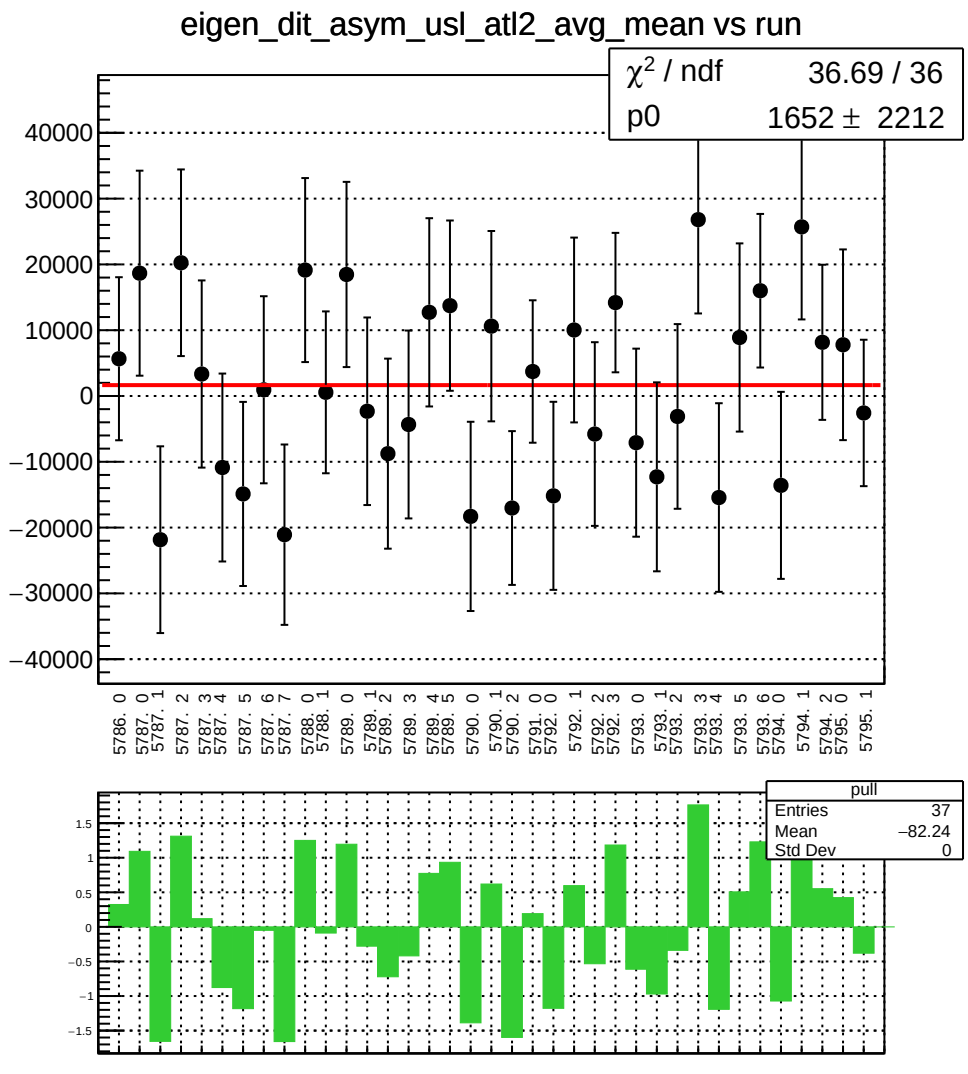

dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 36.69 / 36
p0 1652 ± 2212
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.24
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

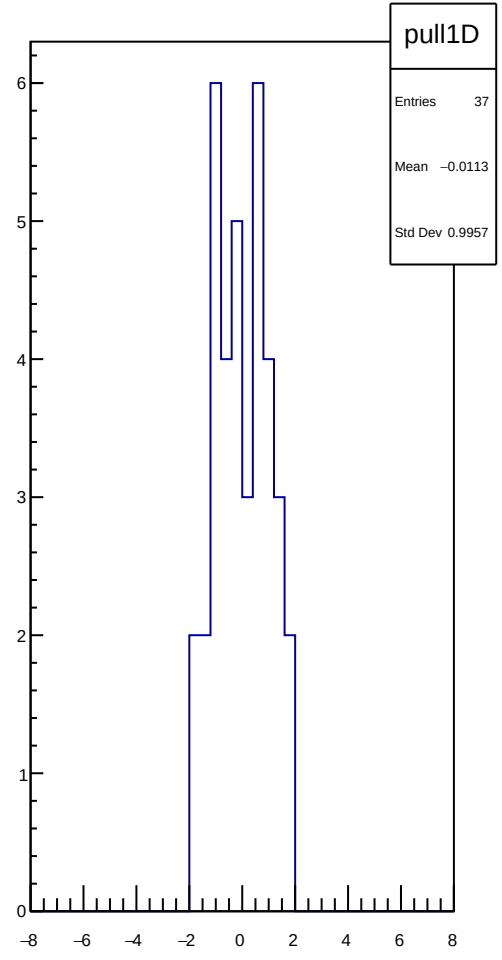

pull1D
Entries 37
Mean −0.0113
Std Dev 0.9957
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

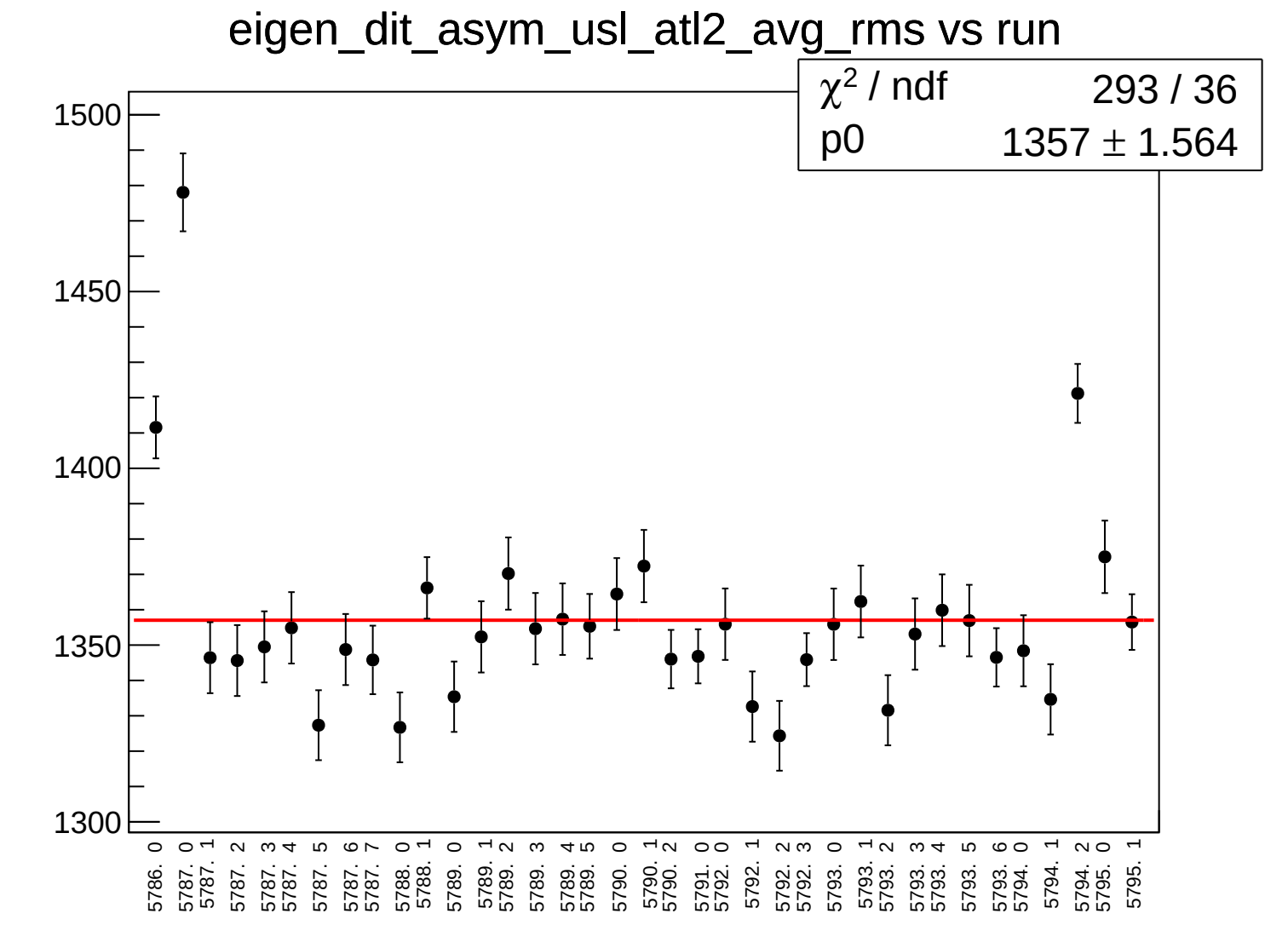

dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 293 / 36
p0 1357 ± 1.564
1500
1450
1400
1350
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

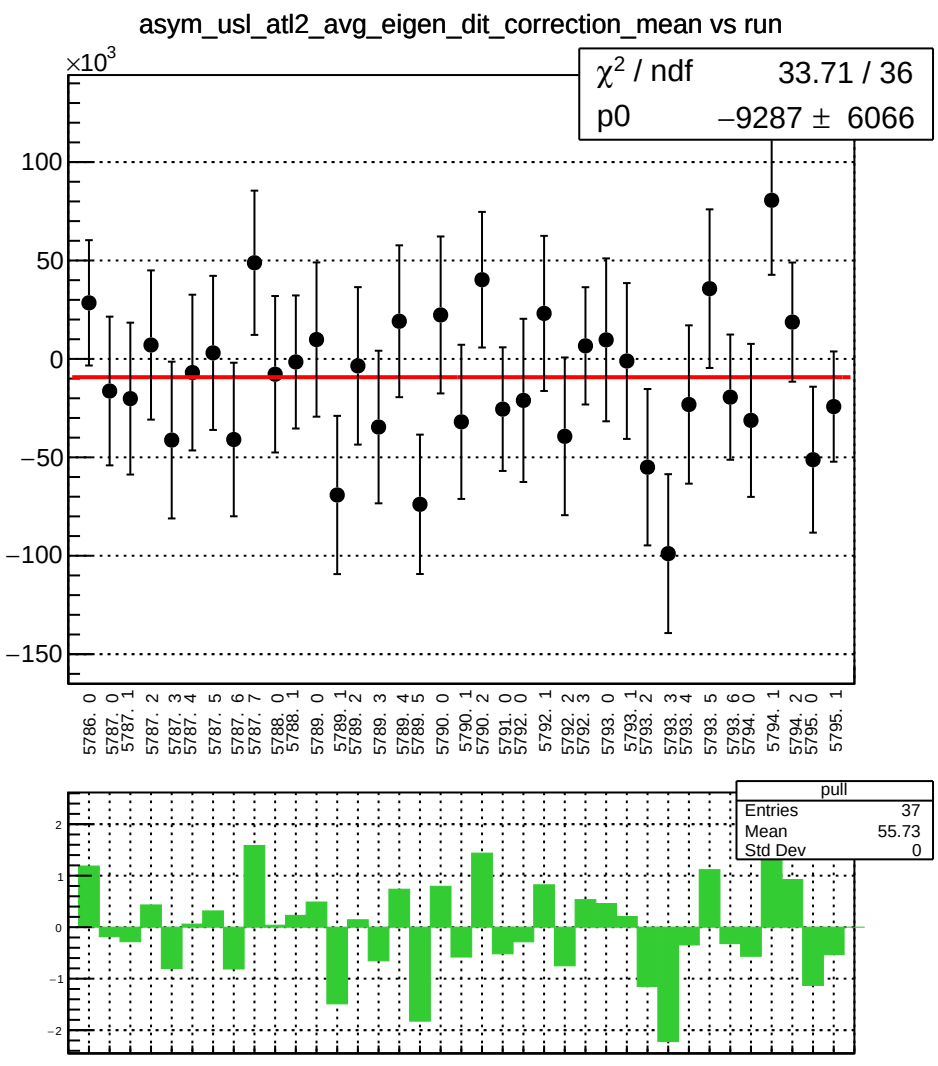

asym_usl_atl2_avg_dit_correction_mean vs run
×10^3
χ^2 / ndf 33.71 / 36
p0 −9287 ± 6066
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 55.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0151
Std Dev 0.9544
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

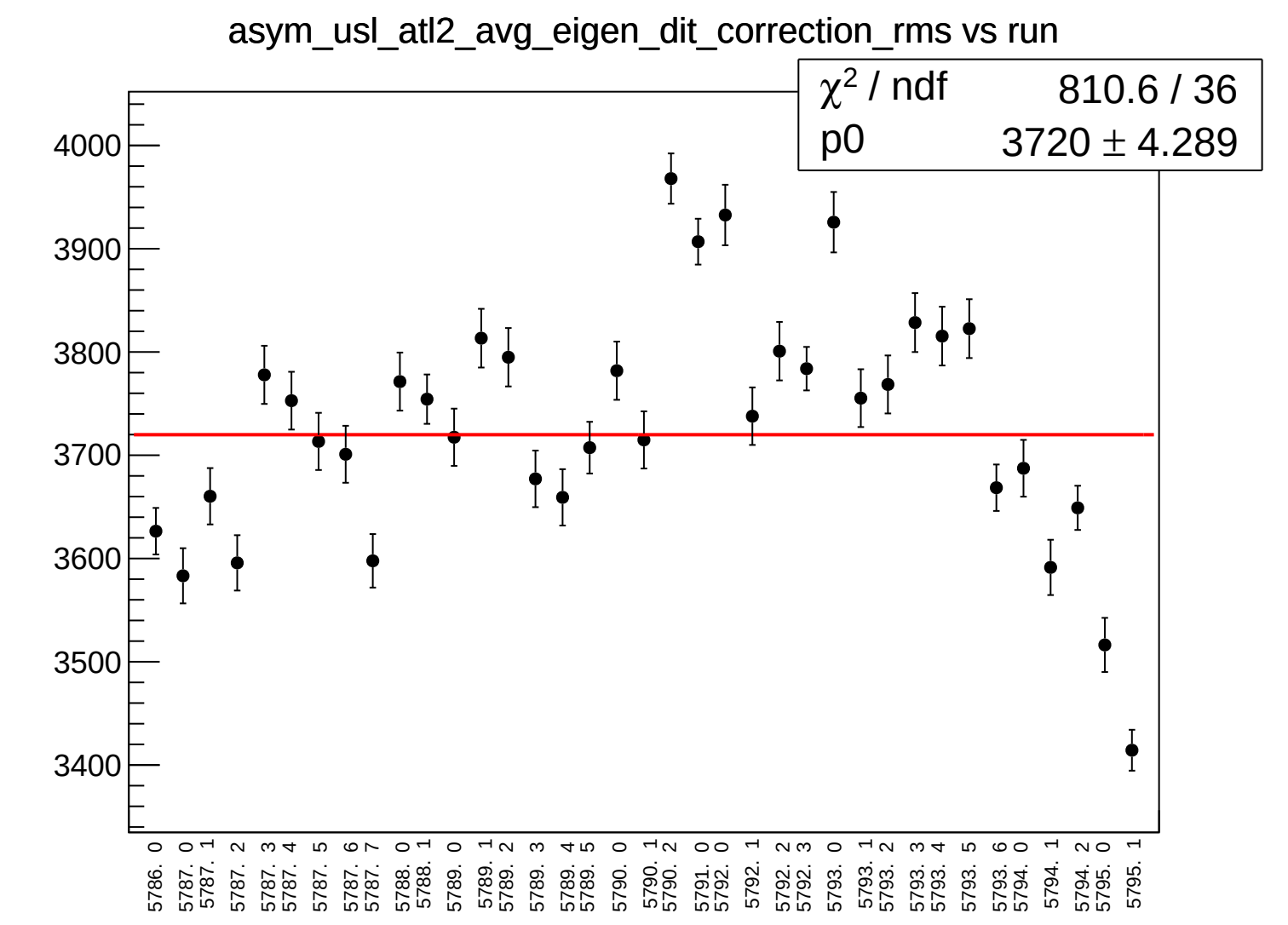

asym_usl_atl2_avg_dit_correction_rms vs run
χ² / ndf 810.6 / 36
p0 3720 ± 4.289
4000
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

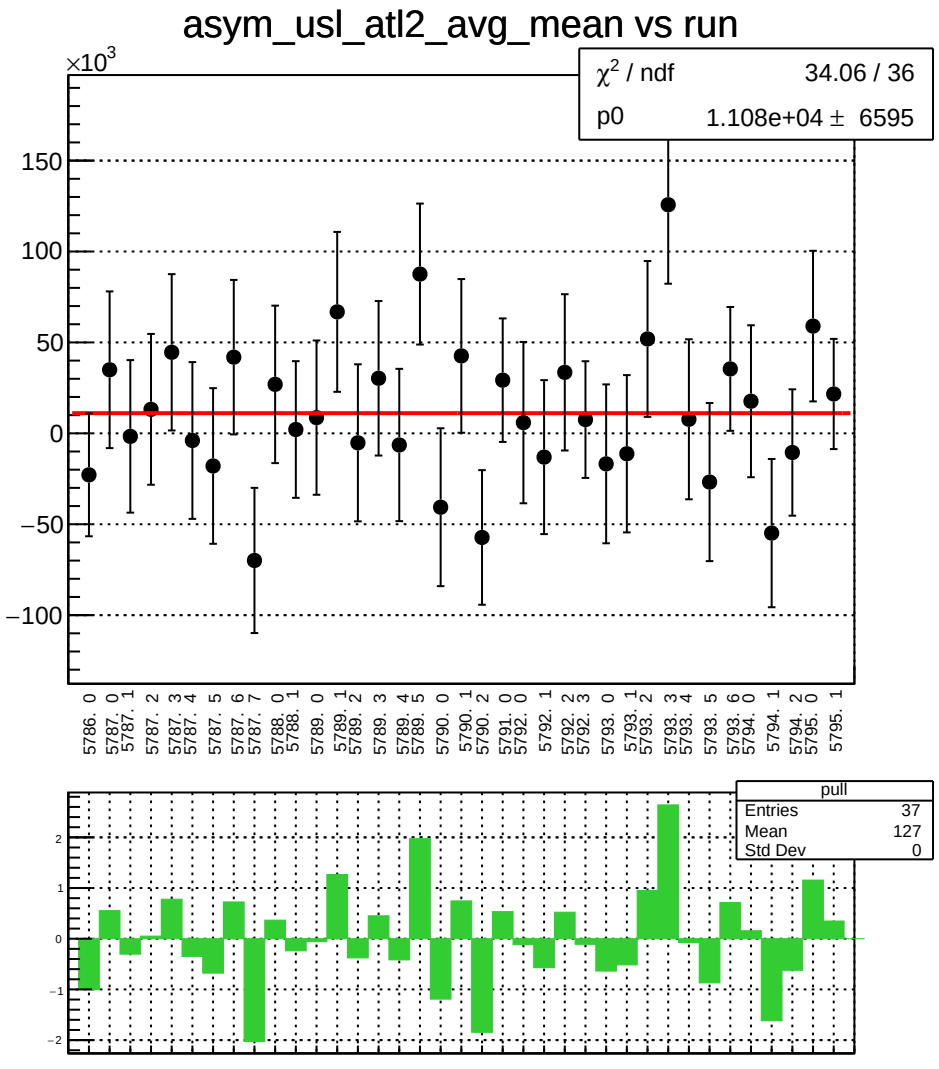

eigen_dit_asym_usl_atl2_avg_mean vs run
χ² / ndf 36.69 / 36
p0 1652 ± 2212
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −82.24
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

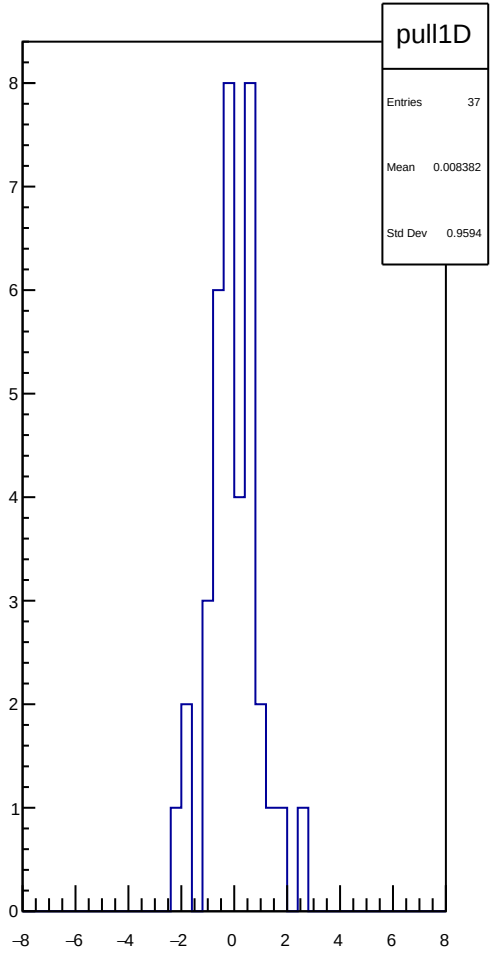

pull1D
Entries 37
Mean −0.0113
Std Dev 0.9957
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

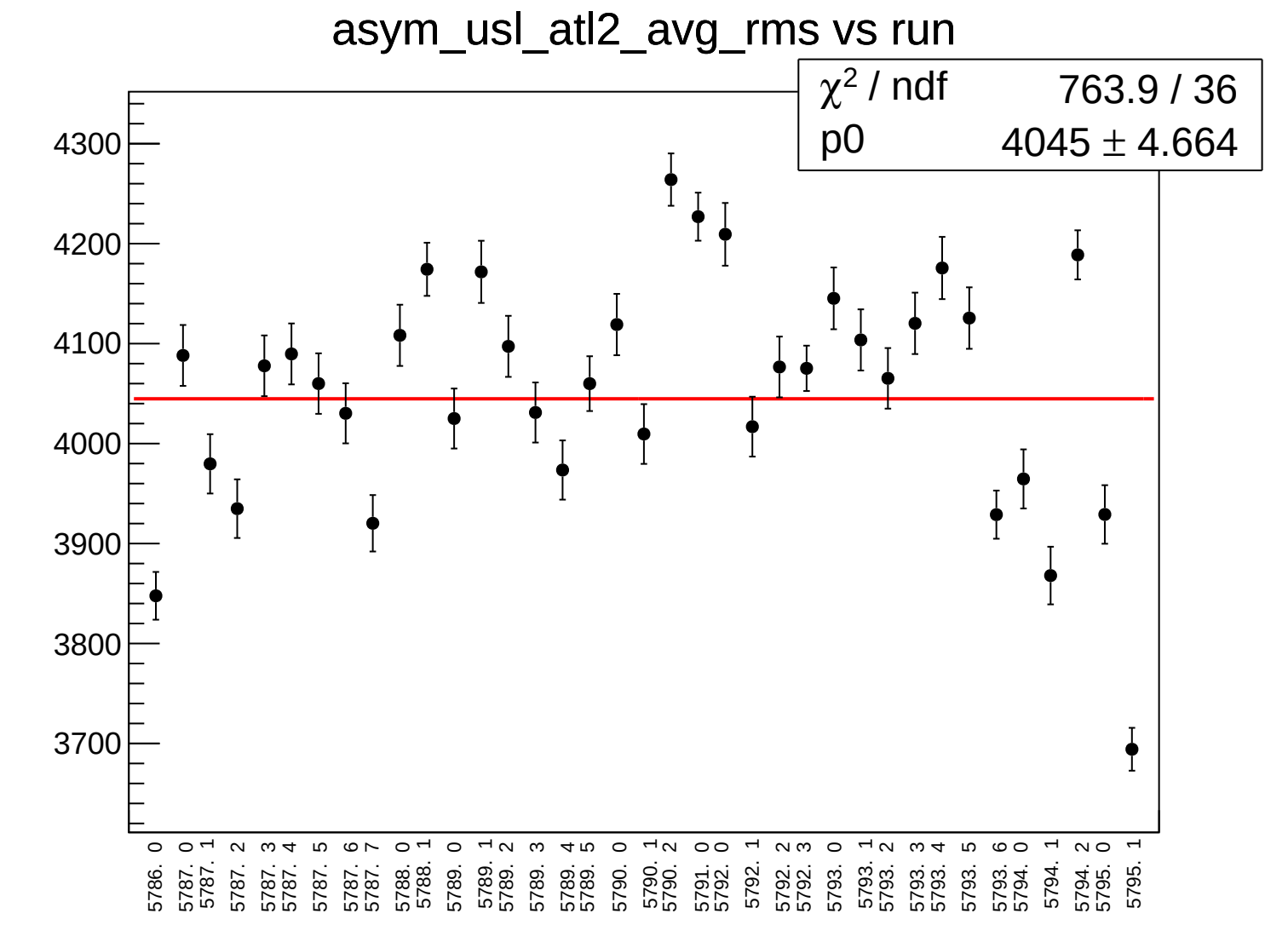

eigen_dit_asym_usl_atl2_avg_rms vs run
χ² / ndf 293 / 36
p0 1357 ± 1.564
1500
1450
1400
1350
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

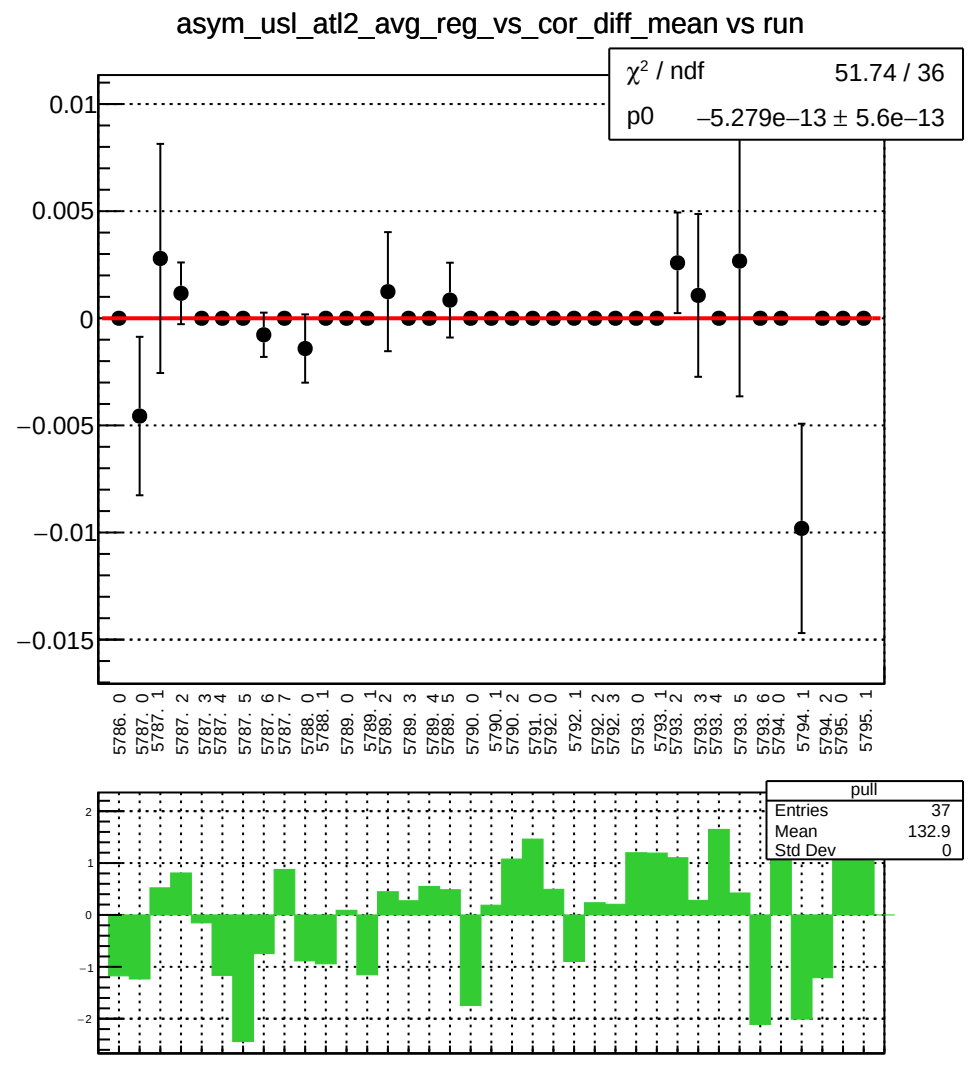

asym_usl_atl2_avg_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 33.71 / 36
p0 −9287 ± 6066
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 55.73
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0151
Std Dev 0.9544
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

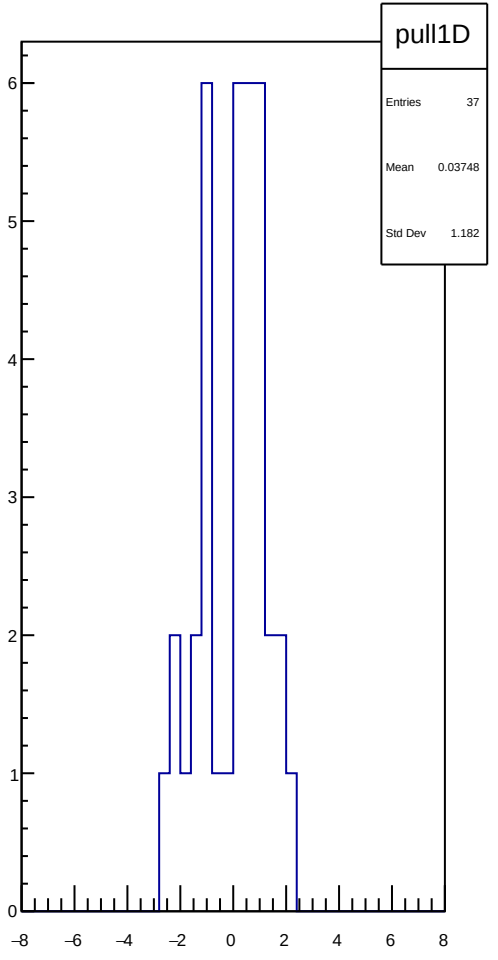

asym_usl_atl2_avg_eigen_dit_correction_rms vs run
χ² / ndf 810.6 / 36
p0 3720 ± 4.289
4000
3900
3800
3700
3600
3500
3400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

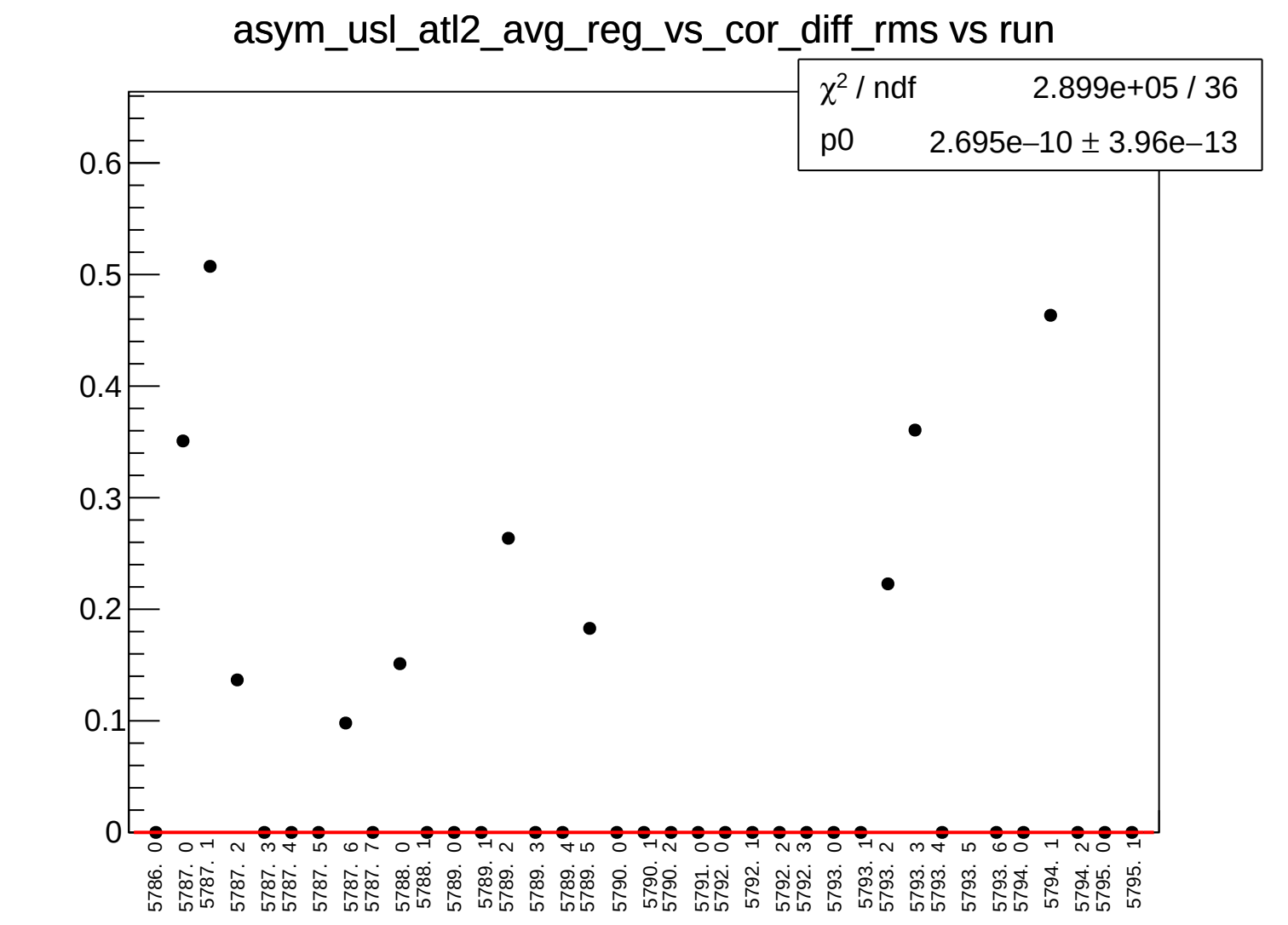

asym_usl_atl2_avg_mean vs run
×10^3
χ² / ndf 34.06 / 36
p0 1.108e+04 ± 6595
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 127
Std Dev 0
2
1
0
−1
−2

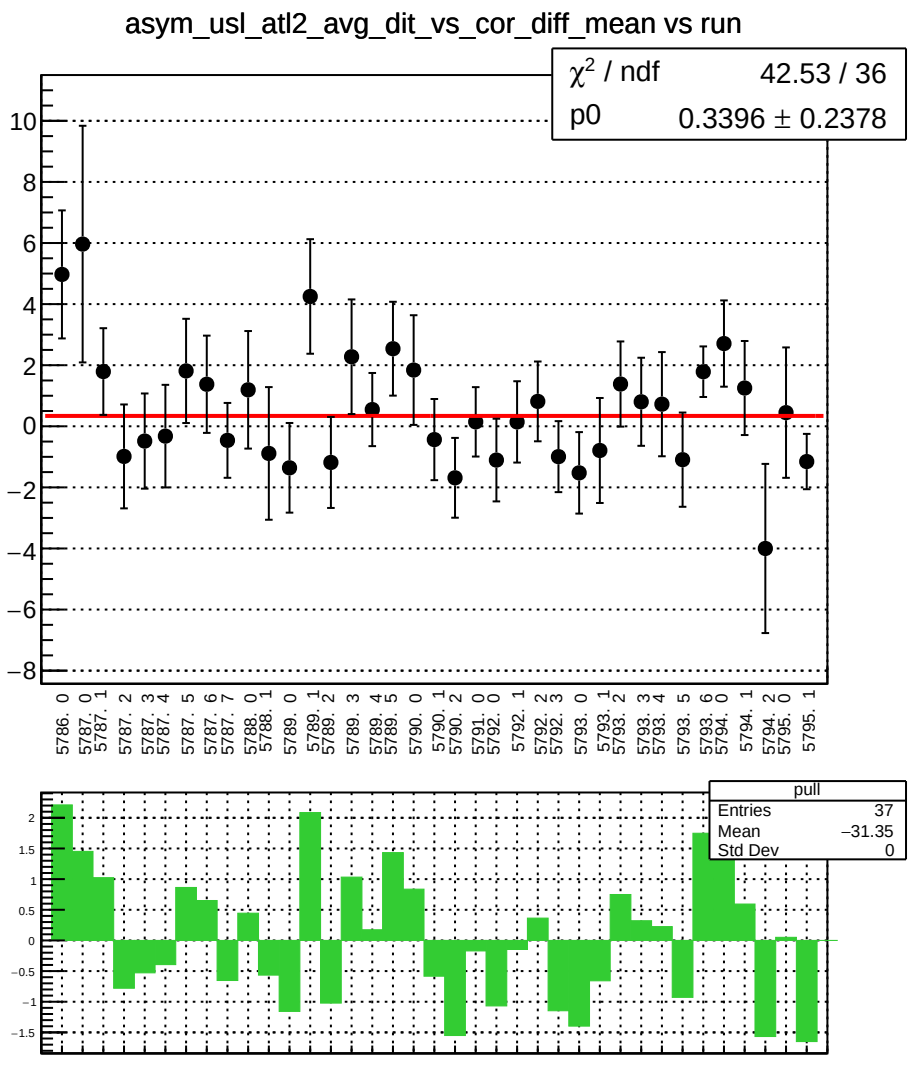

pull1D
Entries 37
Mean 0.008382
Std Dev 0.9594
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

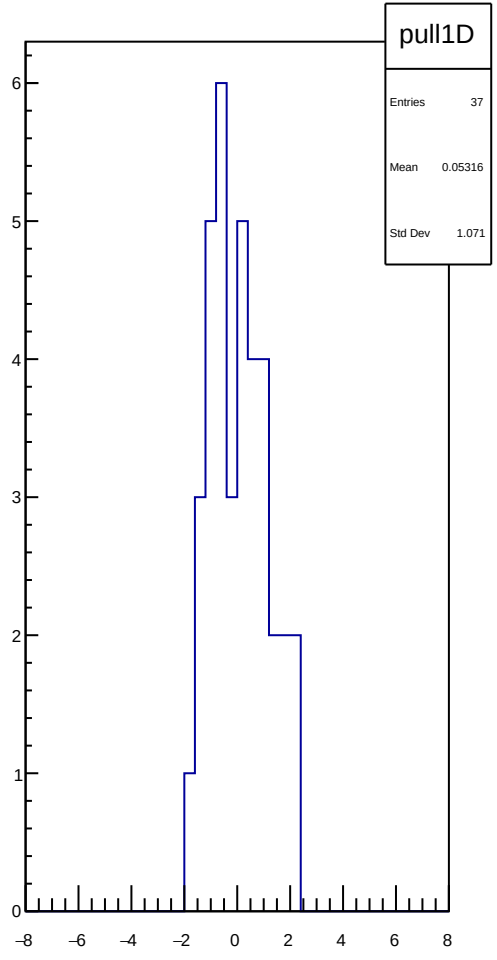

asym_usl_atl2_avg_rms vs run
χ² / ndf 763.9 / 36
p0 4045 ± 4.664
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

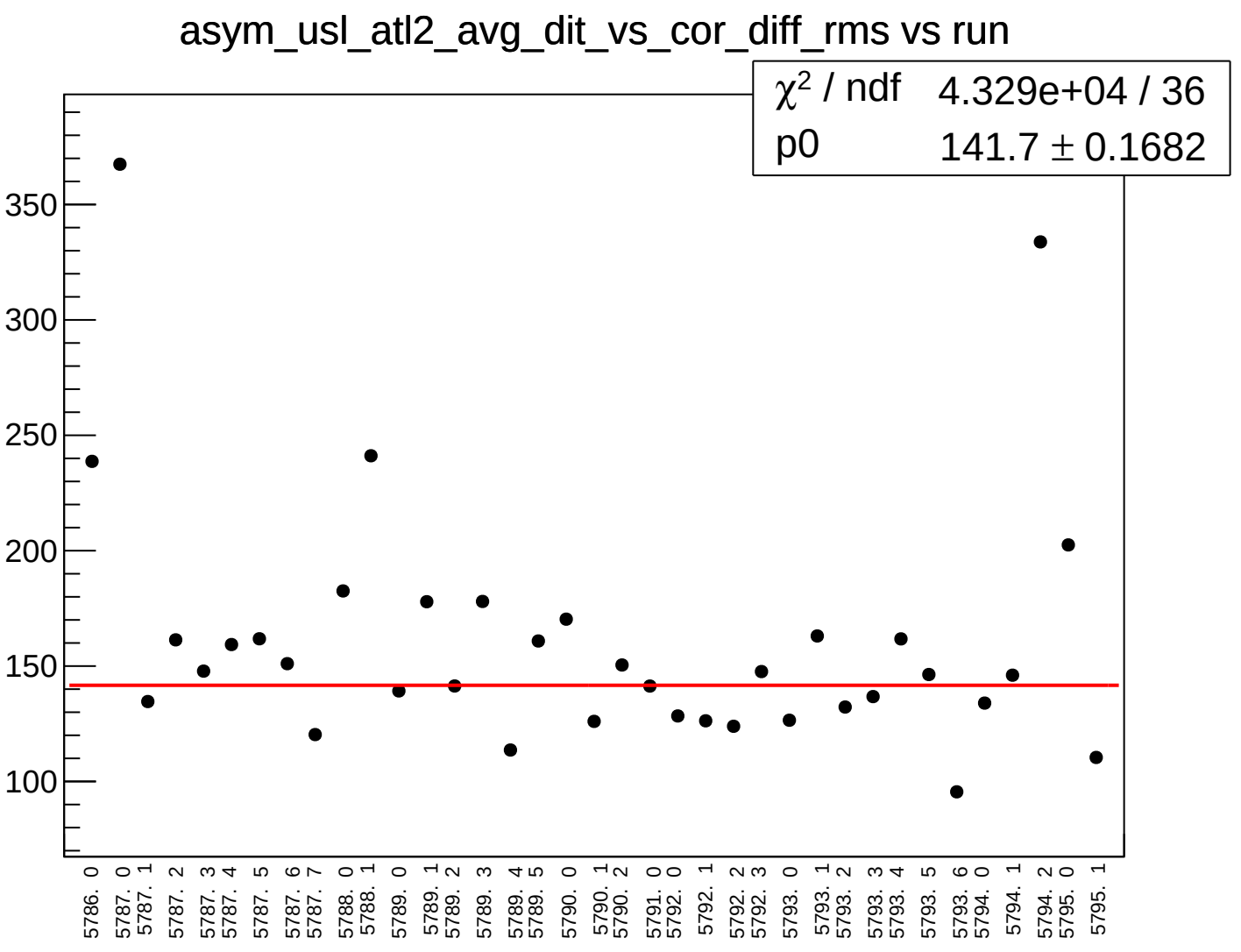

asym_usl_atl2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 51.74 / 36
p0 −5.279e−13 ± 5.6e−13
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 132.9
Std Dev 0
2
1
0
−1
−2

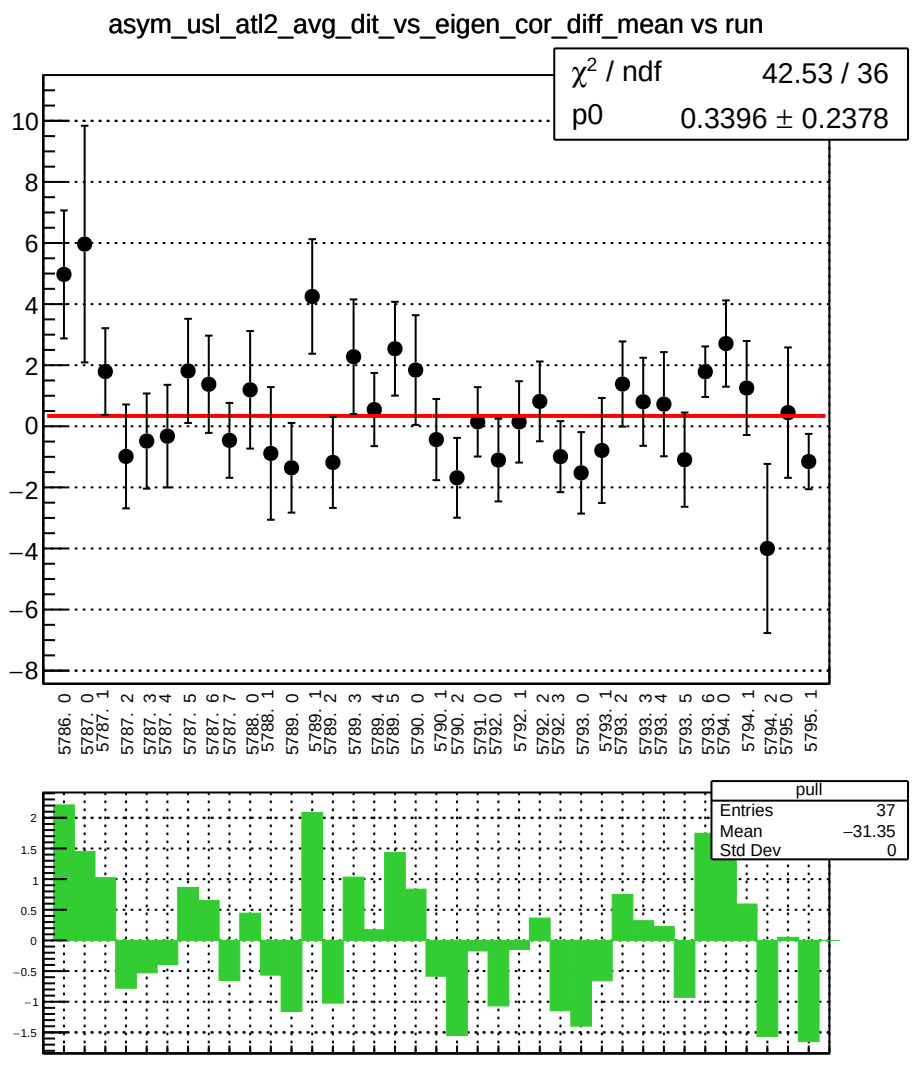

pull1D
Entries 37
Mean 0.03748
Std Dev 1.182
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

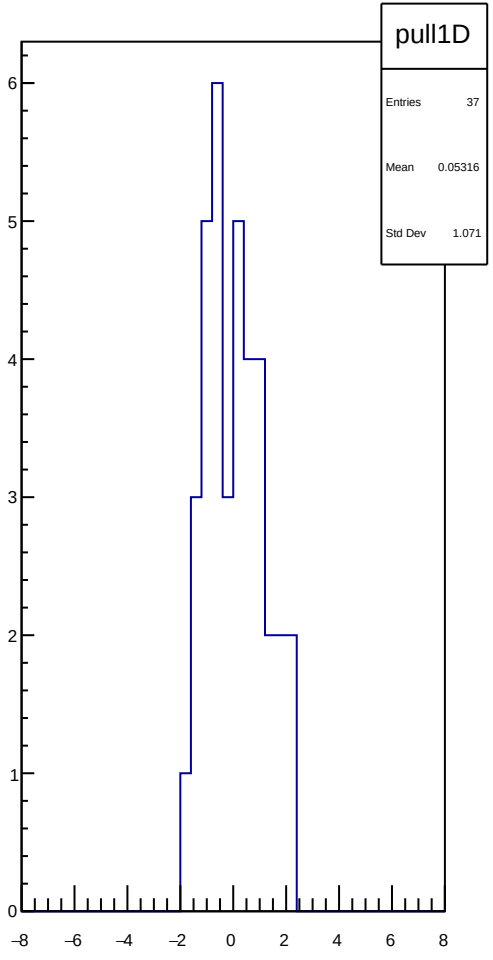

asym_usl_atl2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.899e+05 / 36
p0 2.695e−10 ± 3.96e−13
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

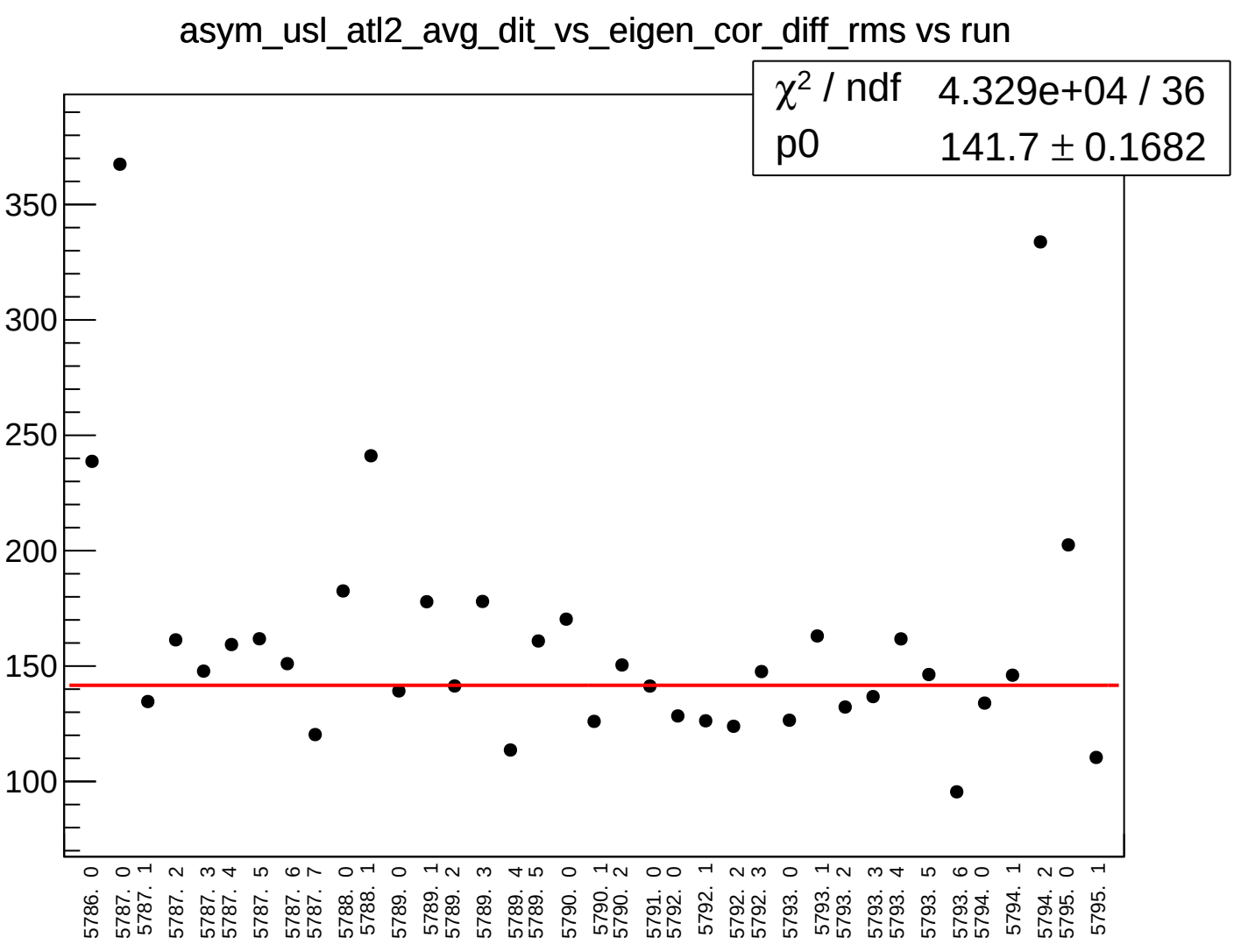

asym_usl_atl2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 42.53 / 36
p0 0.3396 ± 0.2378
pull
Entries 37
Mean −31.35
Std Dev 0

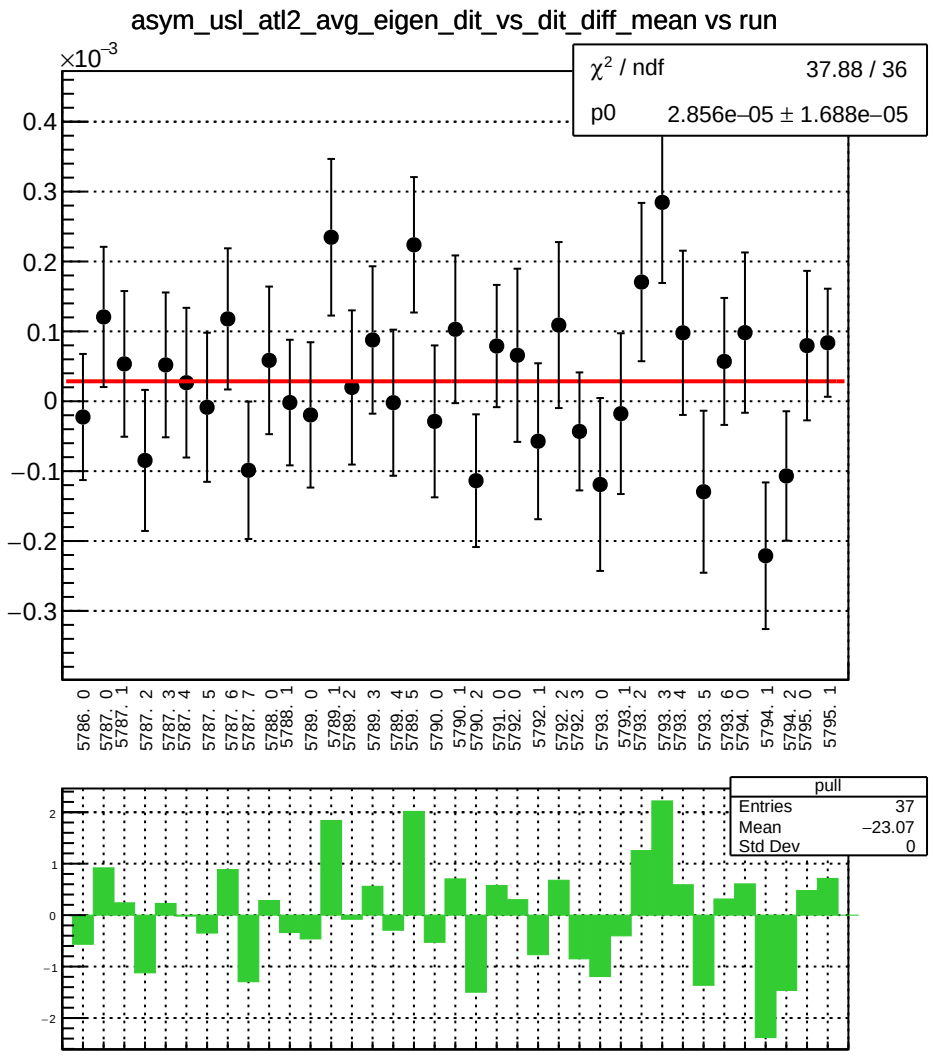

pull1D
Entries 37
Mean 0.05316
Std Dev 1.071

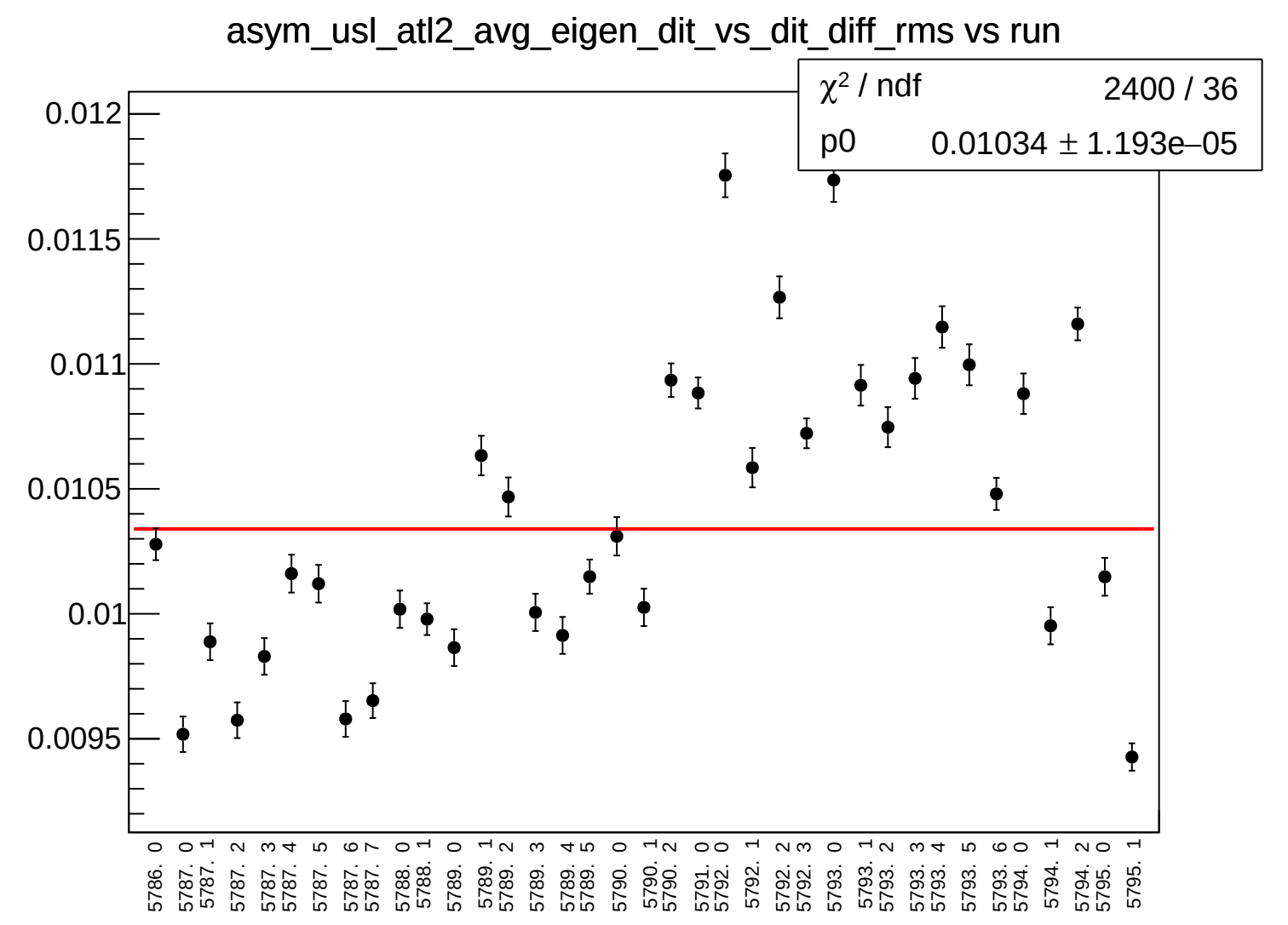

asym_usl_atl2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.329e+04 / 36
p0 141.7 ± 0.1682
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

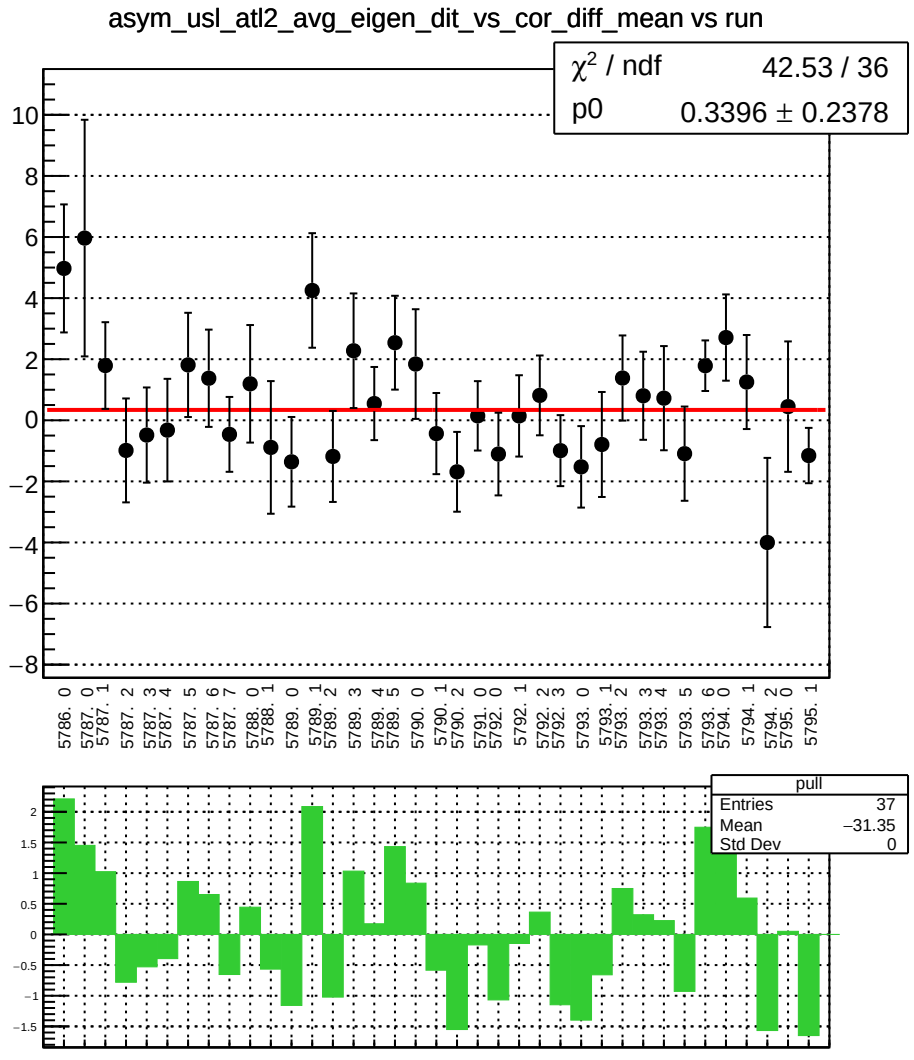

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.53 / 36
p0 0.3396 ± 0.2378
pull
Entries 37
Mean −31.35
Std Dev 0

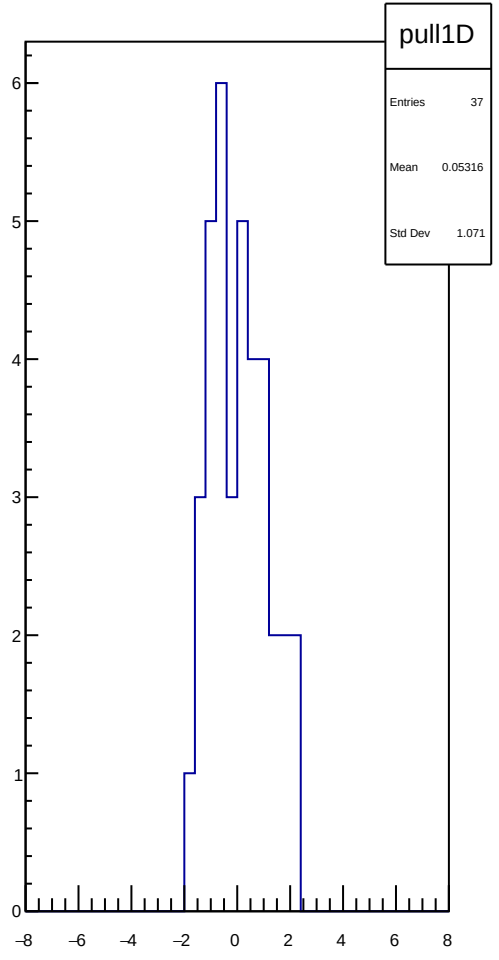

pull1D
Entries 37
Mean 0.05316
Std Dev 1.071

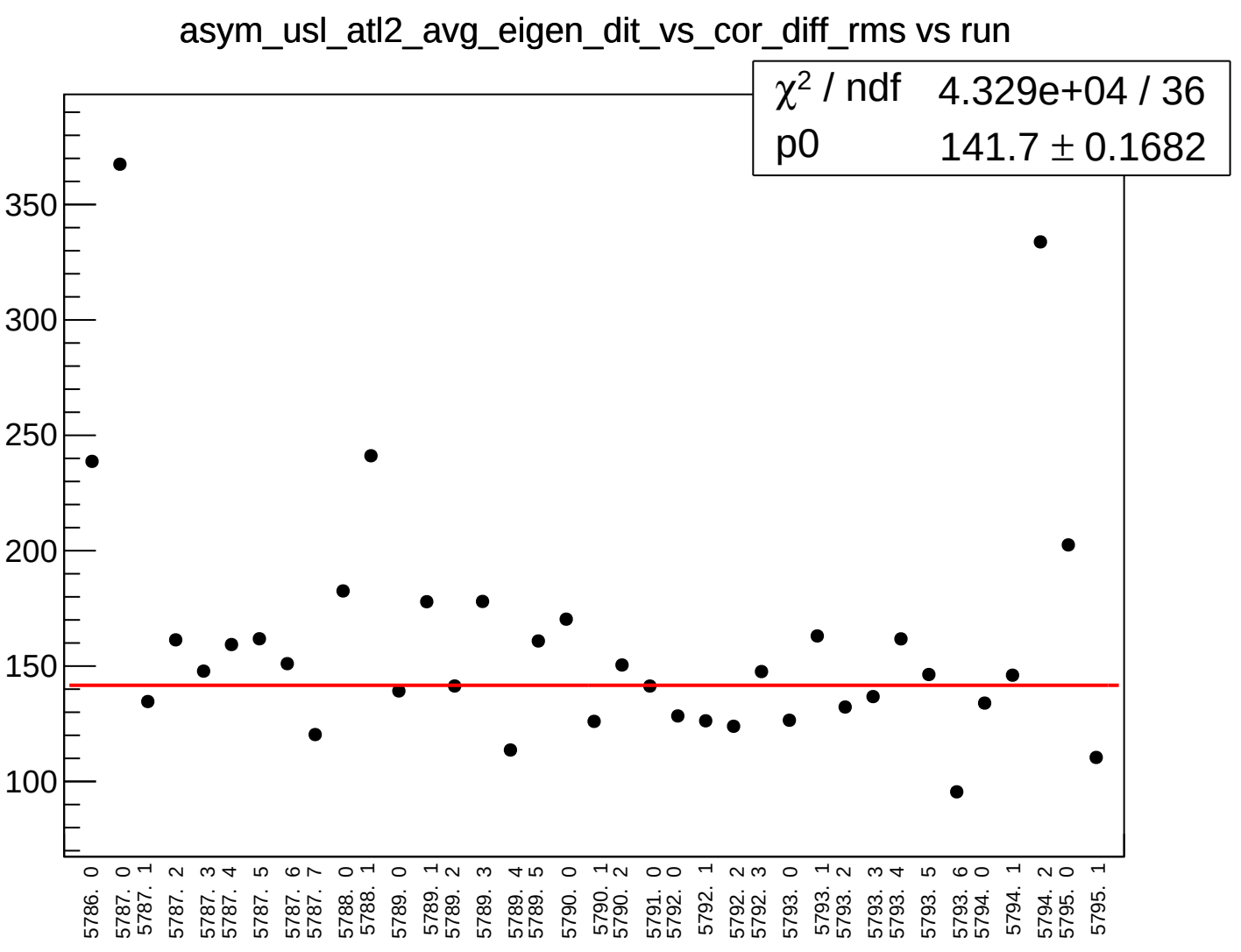

asym_usl_atl2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.329e+04 / 36
p0 141.7 ± 0.1682
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

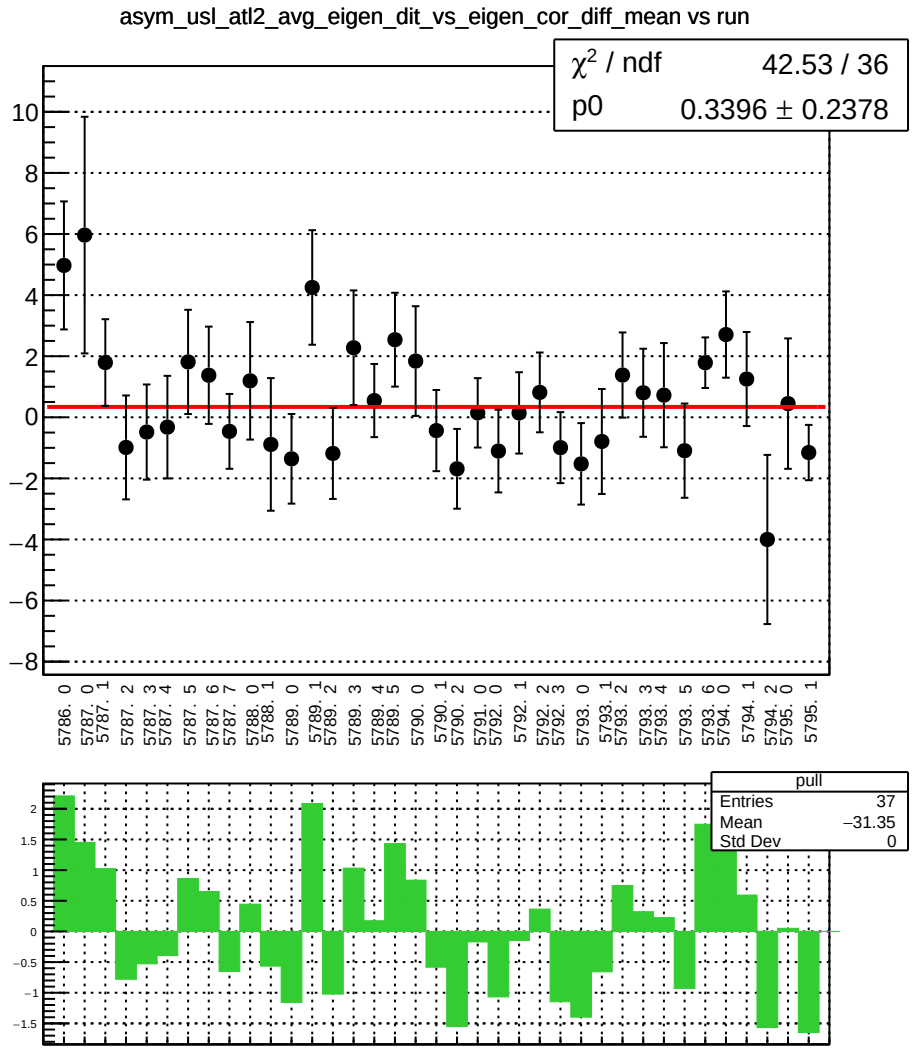

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.88 / 36
p0 2.856e−05 ± 1.688e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.07
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01157
Std Dev 1.012
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

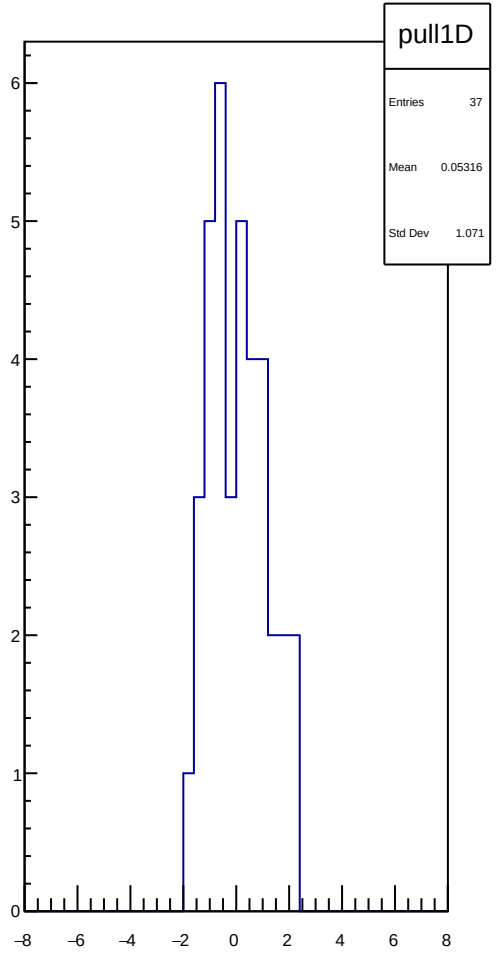

asym_usl_atl2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2400 / 36
p0 0.01034 ± 1.193e−05
0.012
0.0115
0.011
0.0105
0.01
0.0095
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

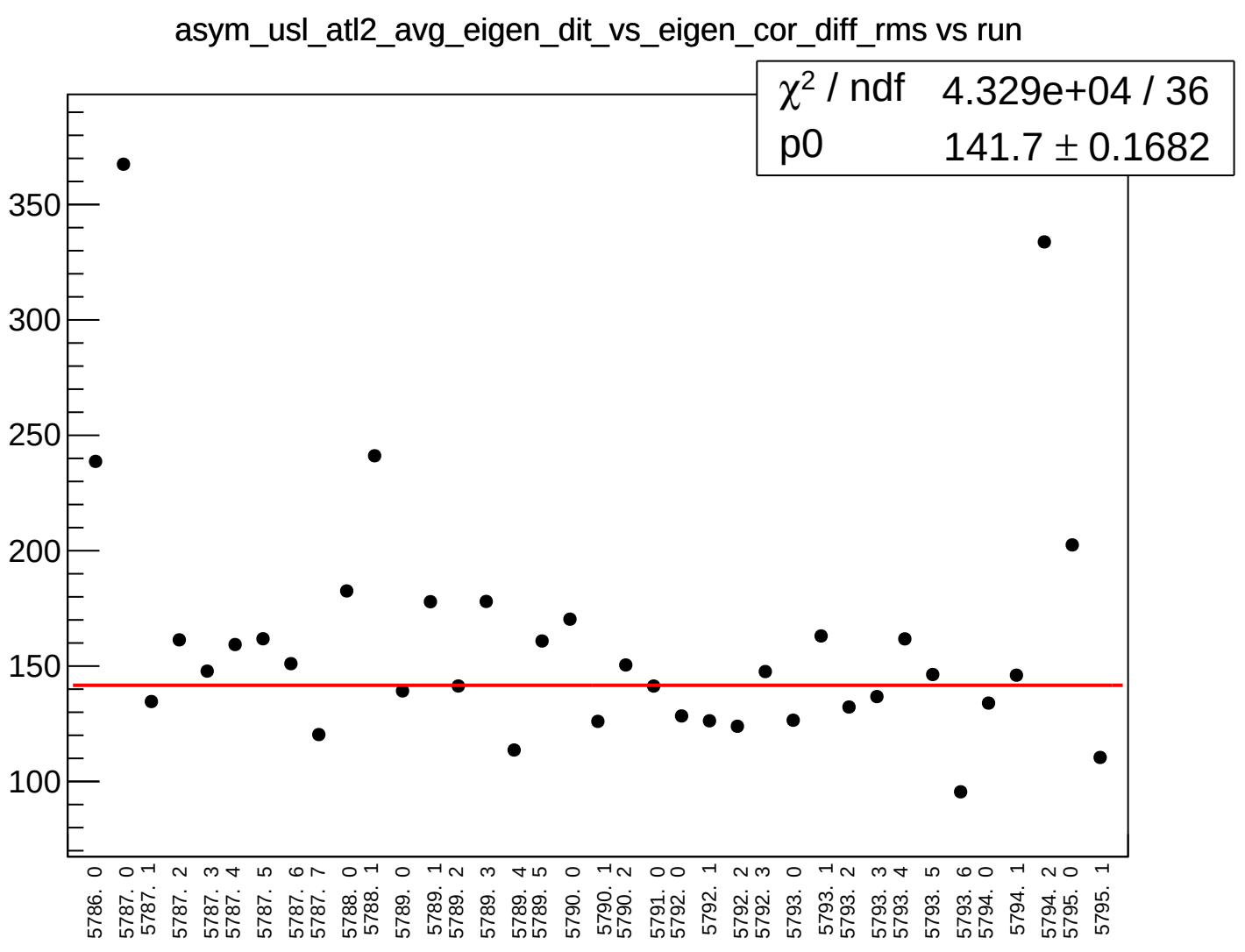

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.53 / 36
p0 0.3396 ± 0.2378
pull
Entries 37
Mean −31.35
Std Dev 0

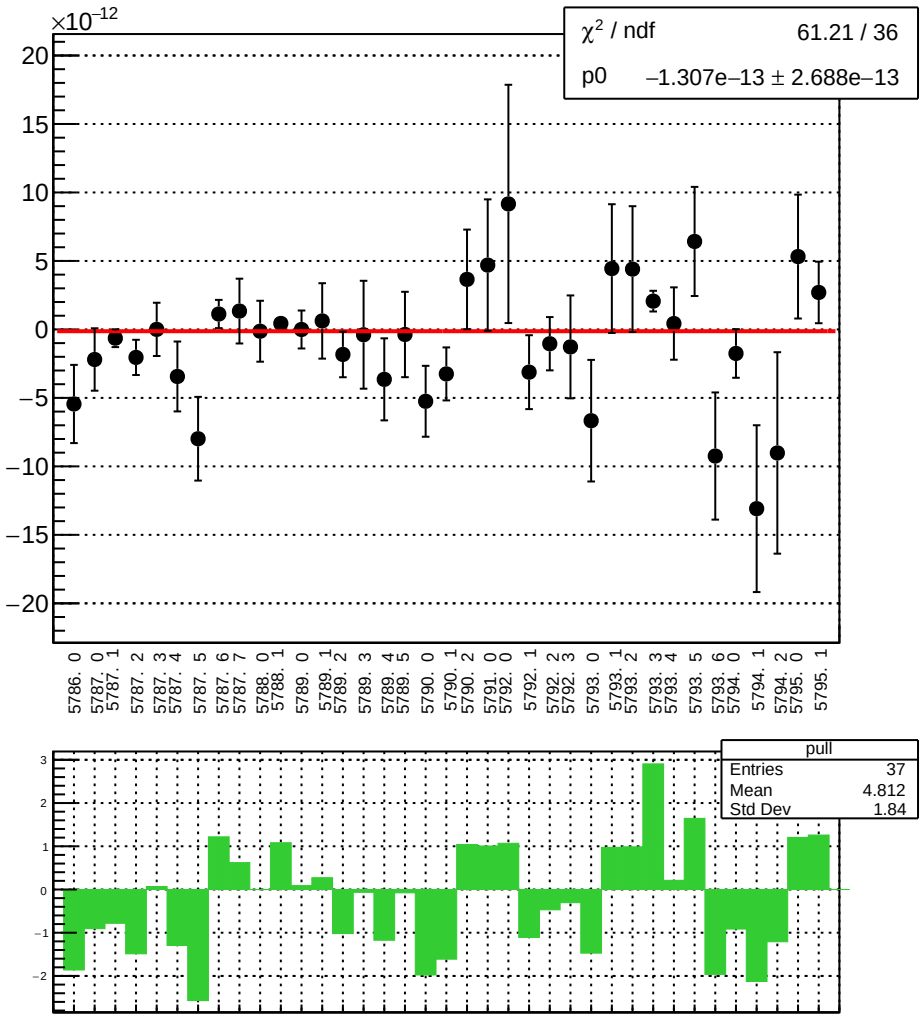

pull1D
Entries 37
Mean 0.05316
Std Dev 1.071

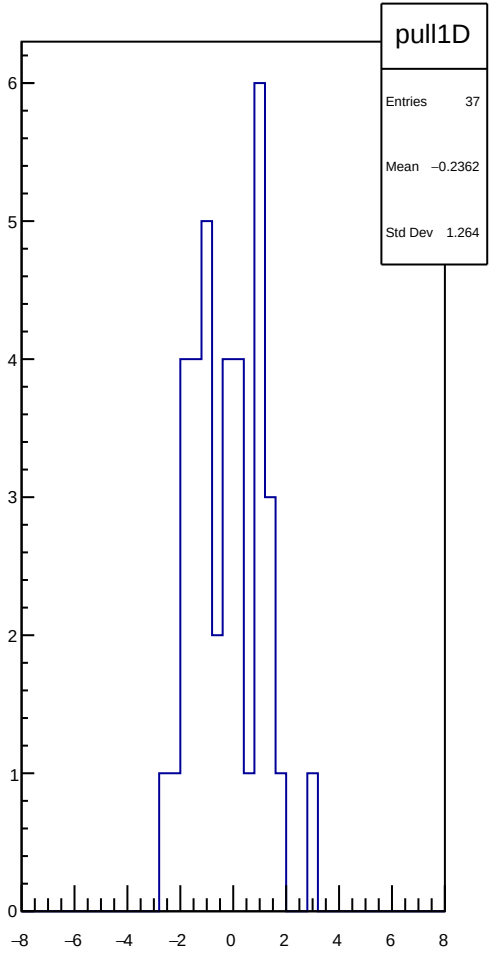

asym_usl_atl2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.329e+04 / 36
p0 141.7 ± 0.1682
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

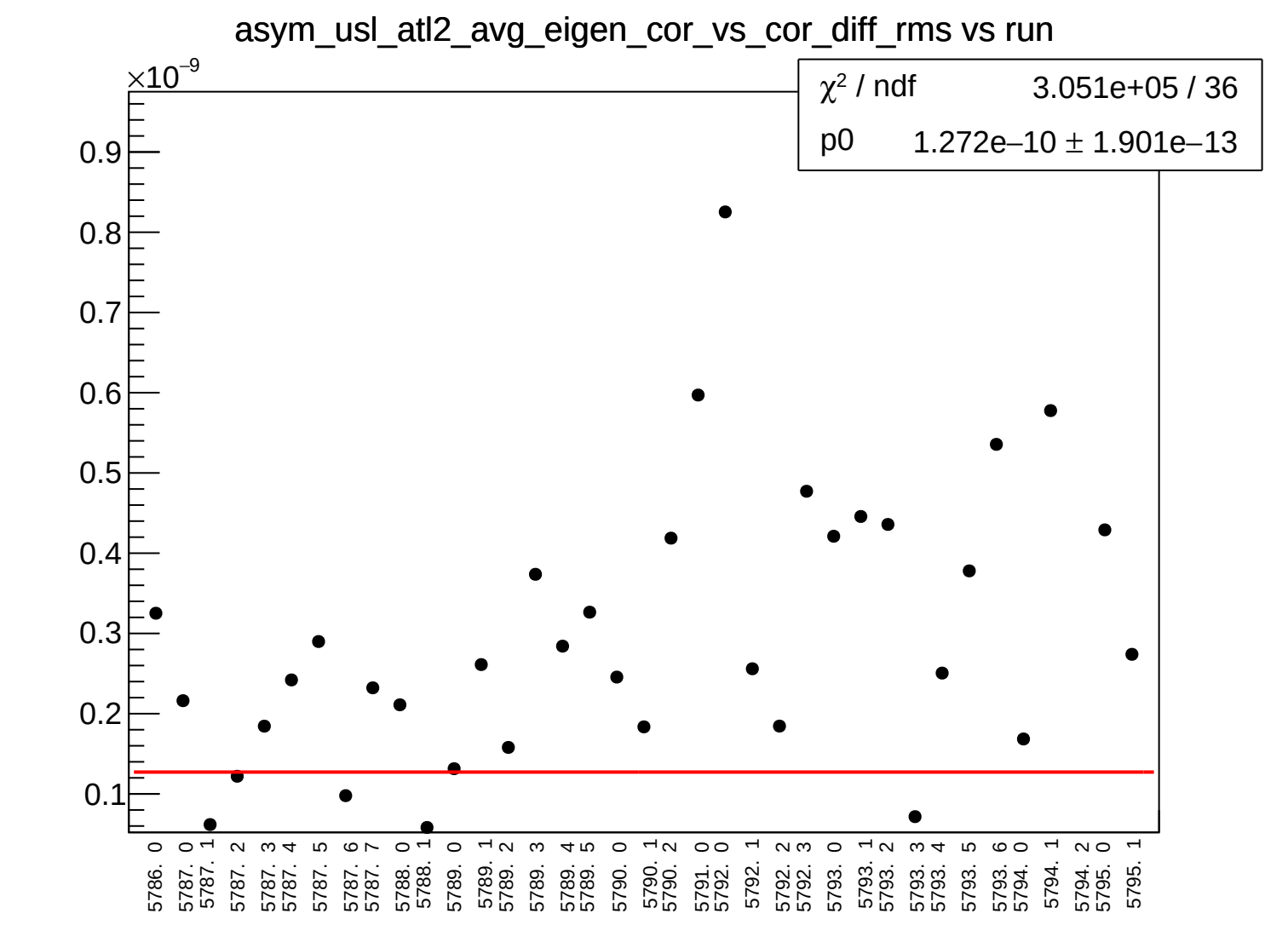

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.53 / 36
p0 0.3396 ± 0.2378
pull
Entries 37
Mean −31.35
Std Dev 0

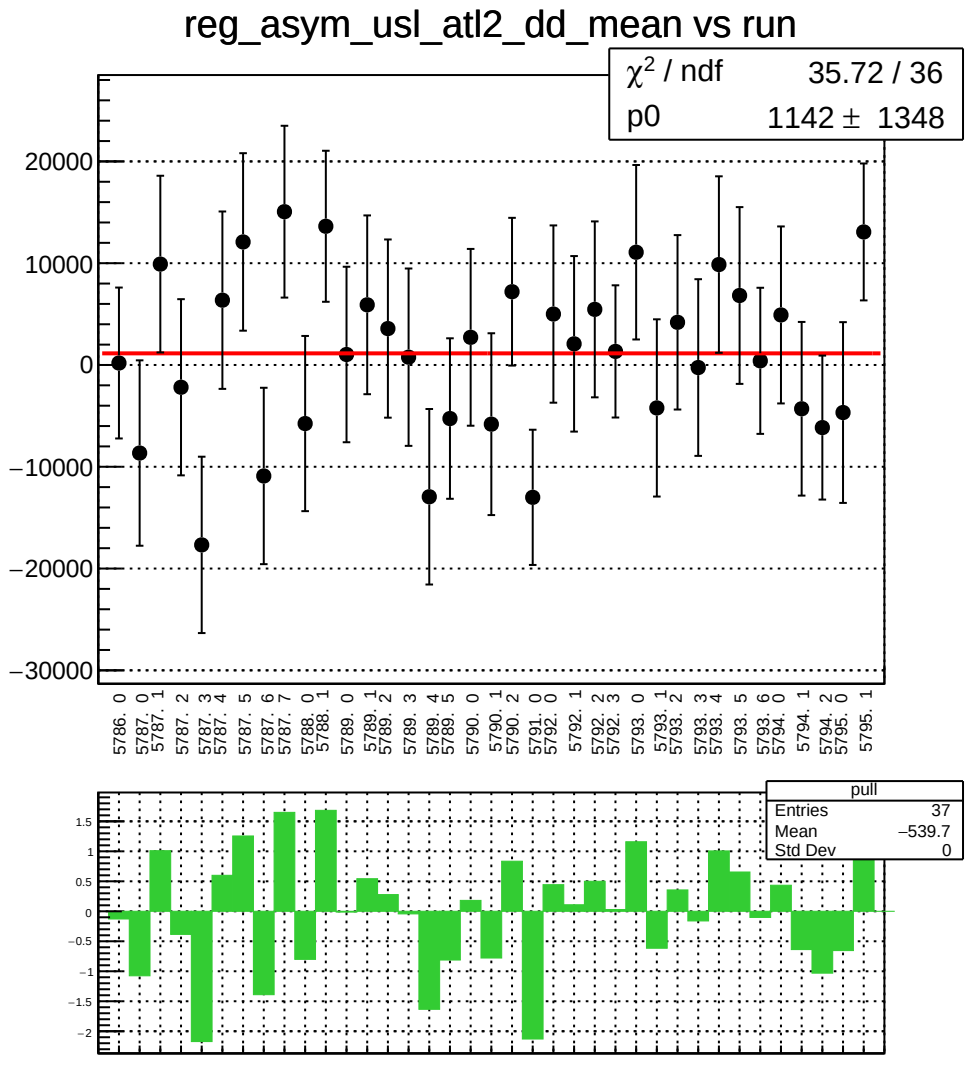

pull1D
Entries 37
Mean 0.05316
Std Dev 1.071

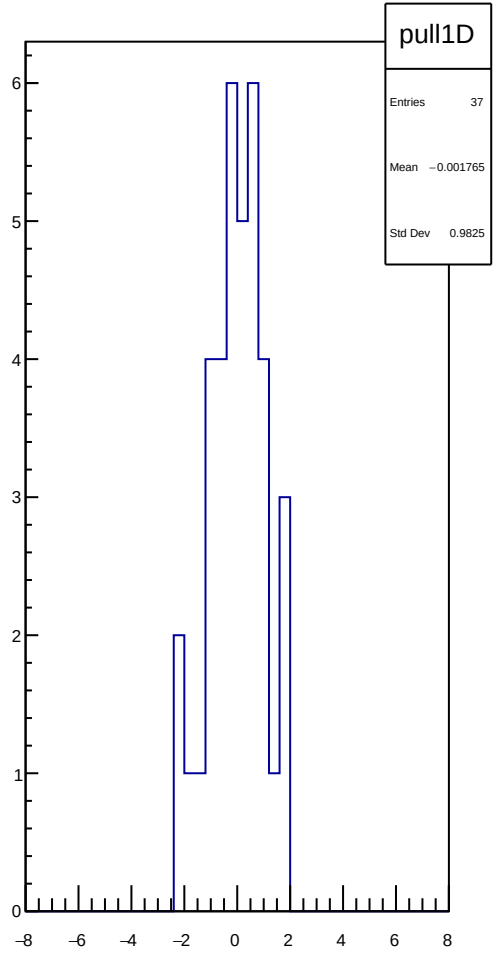

asym_usl_atl2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.329e+04 / 36
p0 141.7 ± 0.1682
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

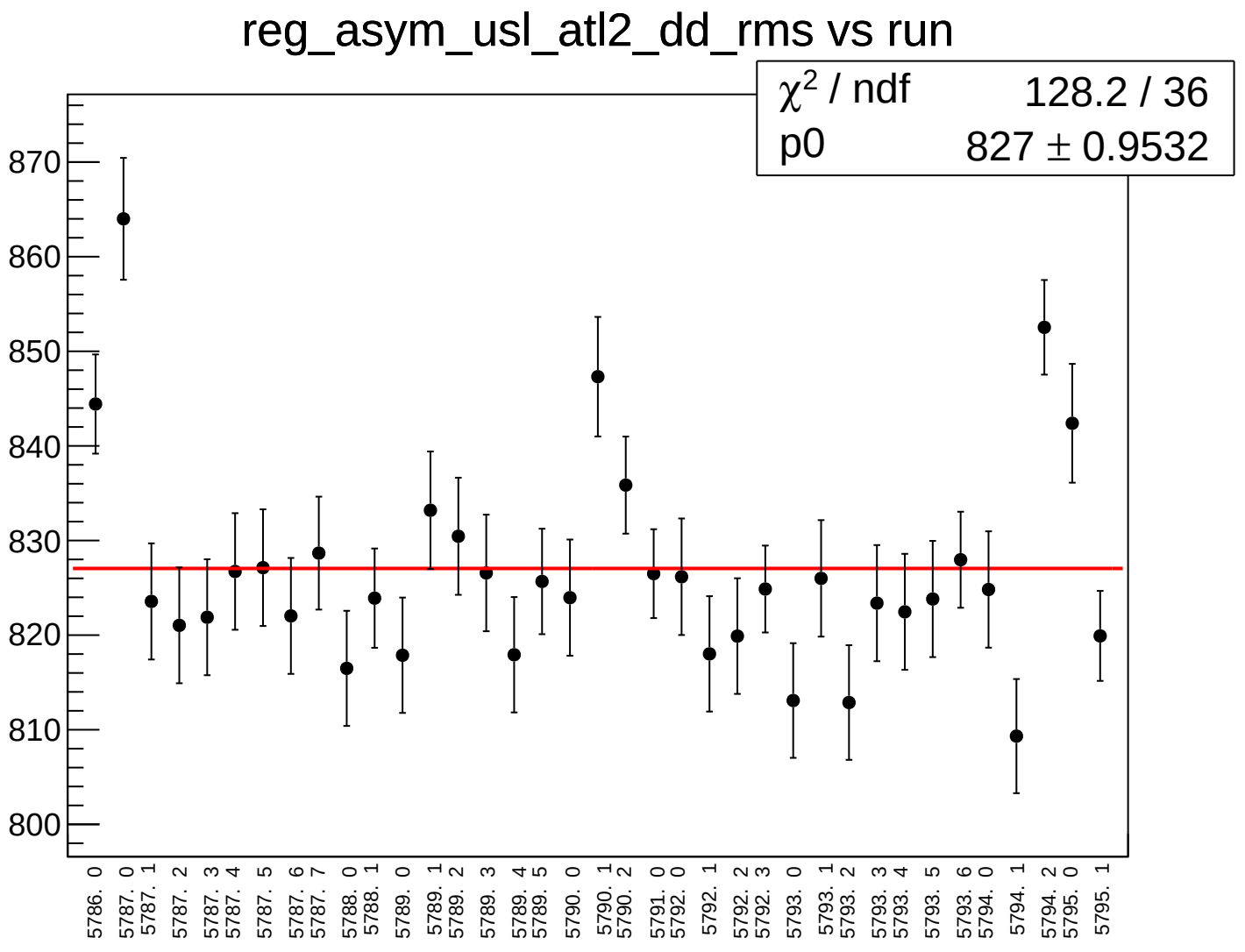

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 61.21 / 36
p0 −1.307e−13 ± 2.688e−13
pull
Entries 37
Mean 4.812
Std Dev 1.84

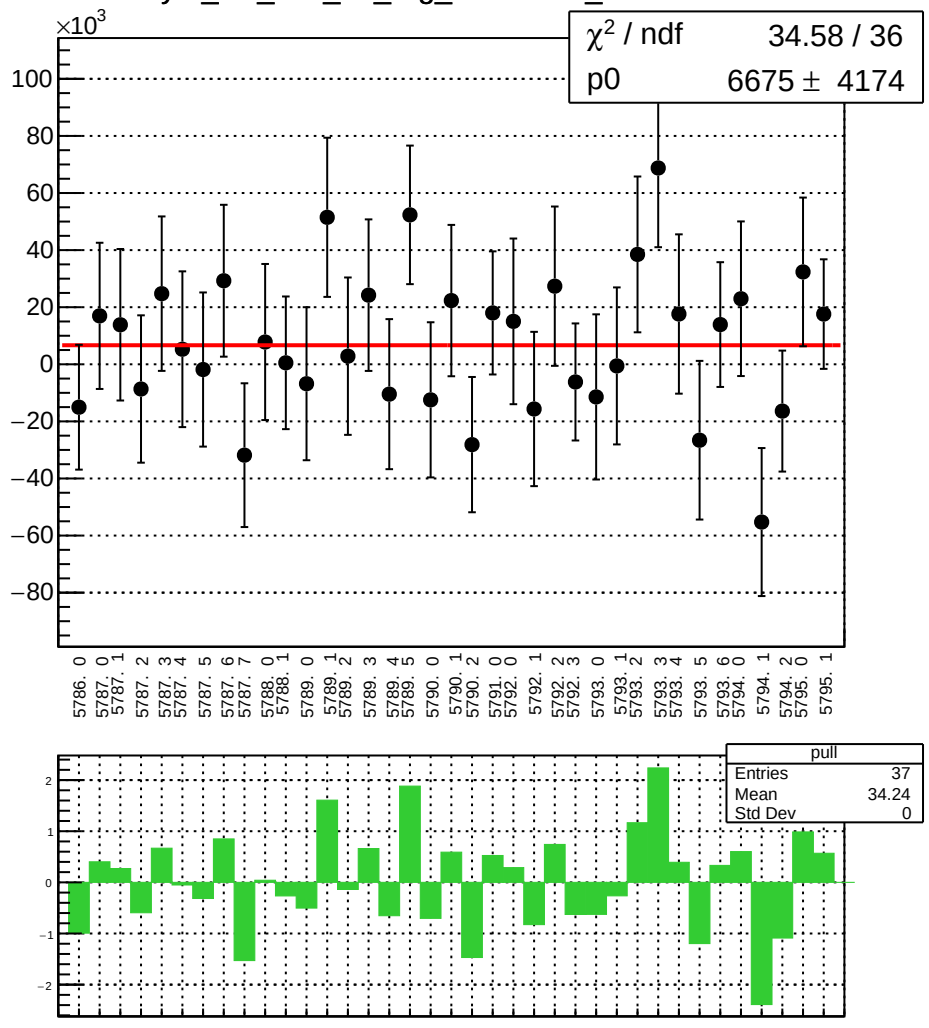

pull1D
Entries 37
Mean −0.2362
Std Dev 1.264

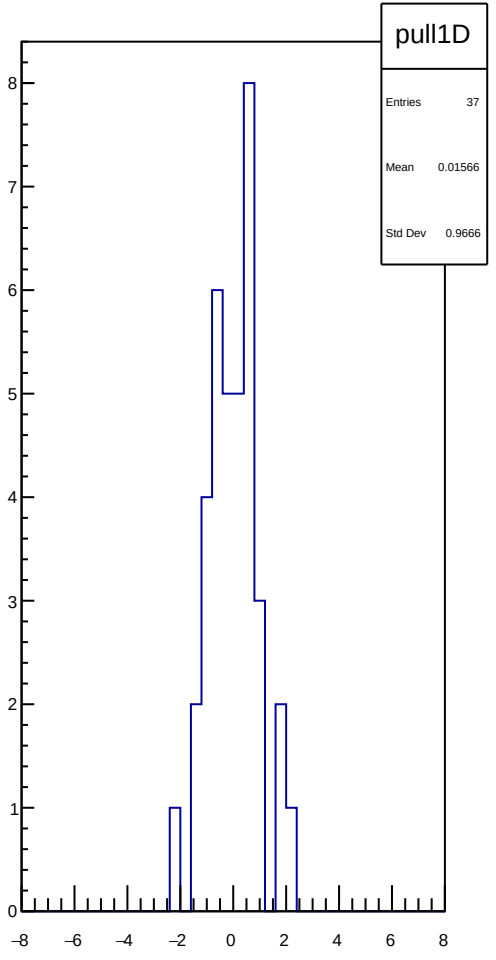

asym_usl_atl2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.051e+05 / 36
p0 1.272e−10 ± 1.901e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

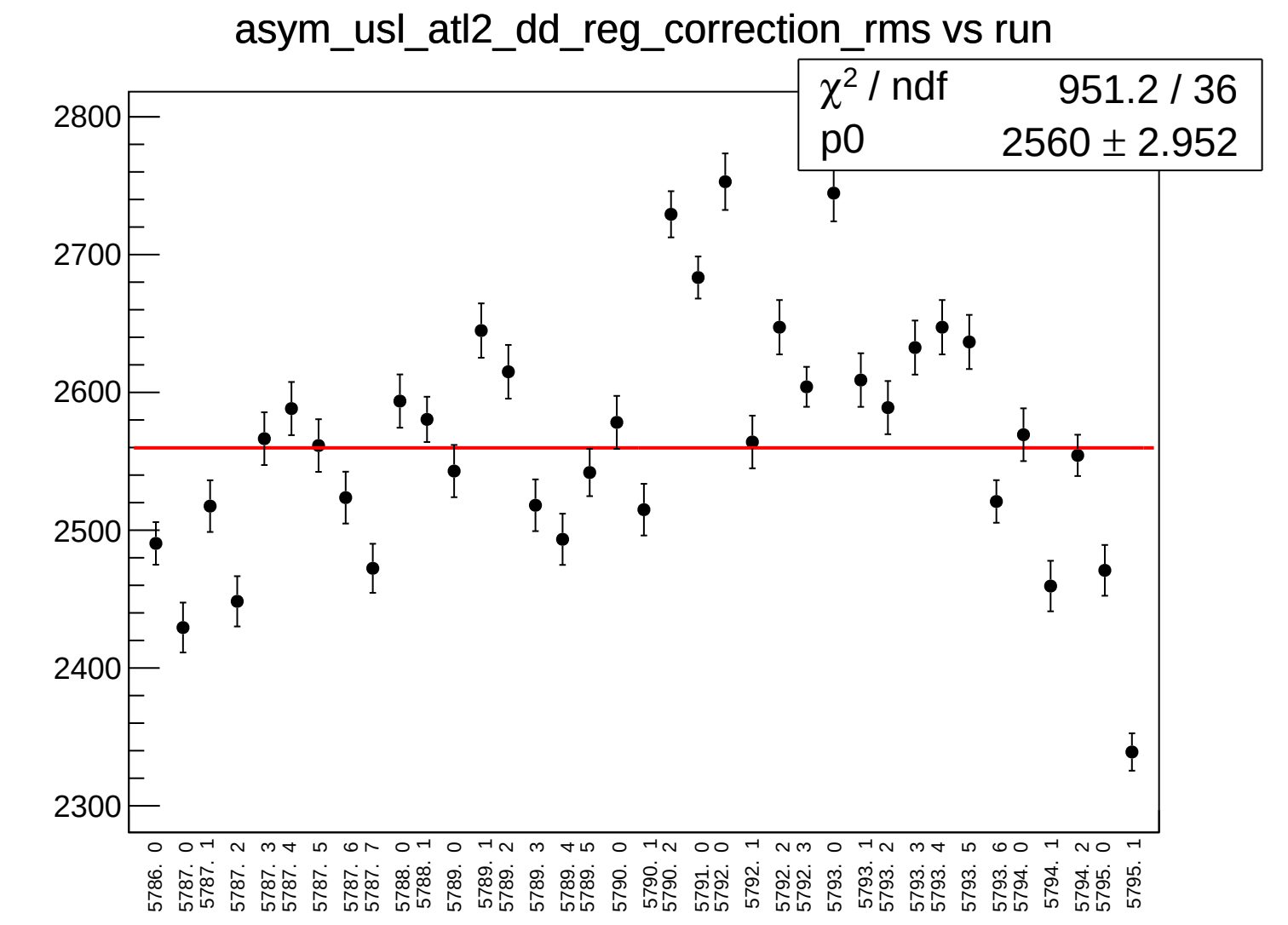

reg_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.72 / 36
p0 1142 ± 1348
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −539.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

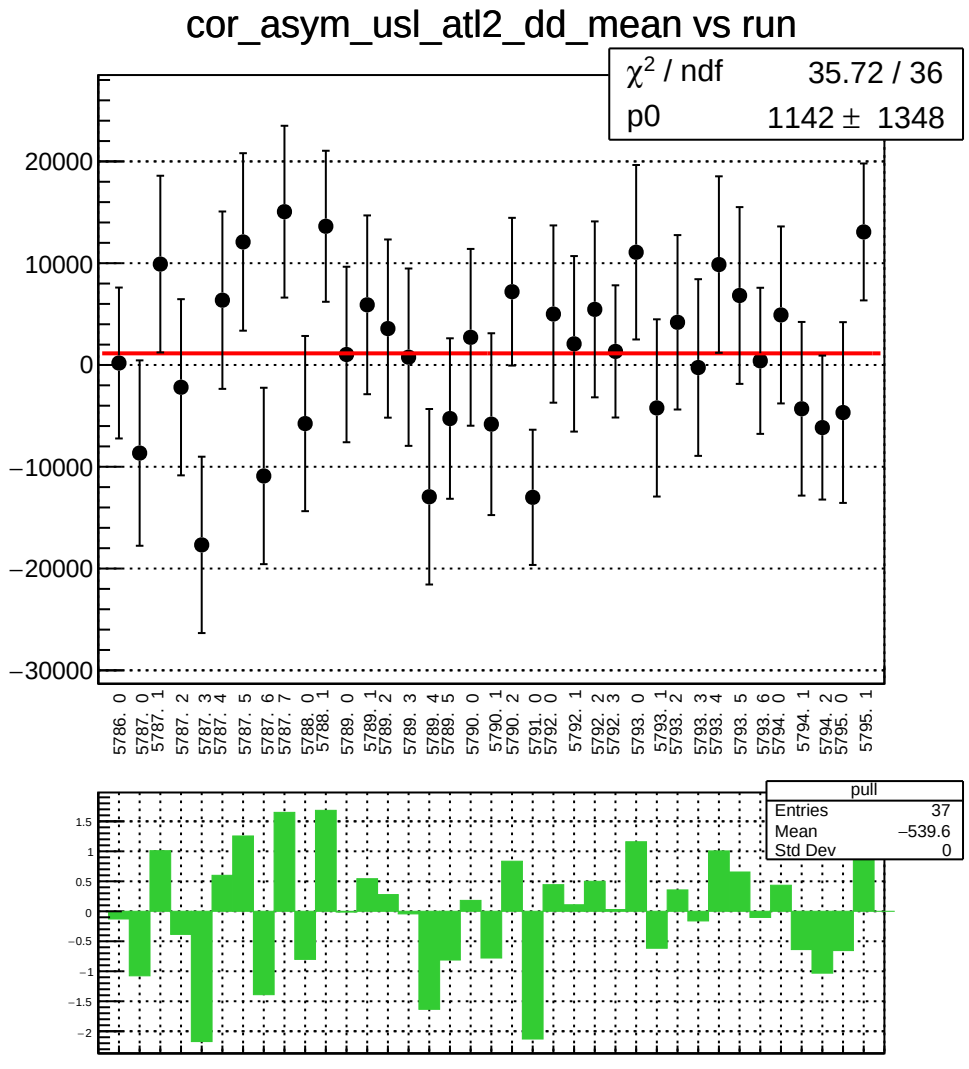

pull1D
Entries 37
Mean −0.001765
Std Dev 0.9825
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

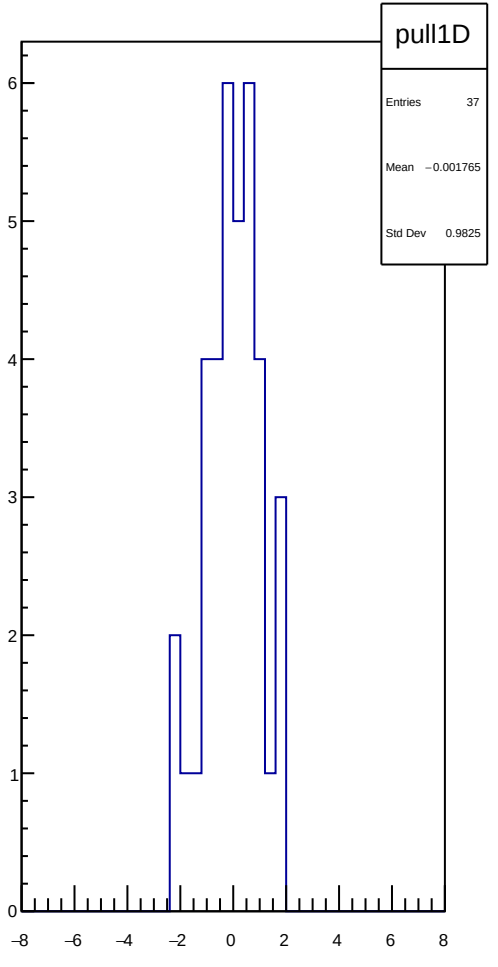

reg_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 128.2 / 36
p0 827 ± 0.9532
870
860
850
840
830
820
810
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

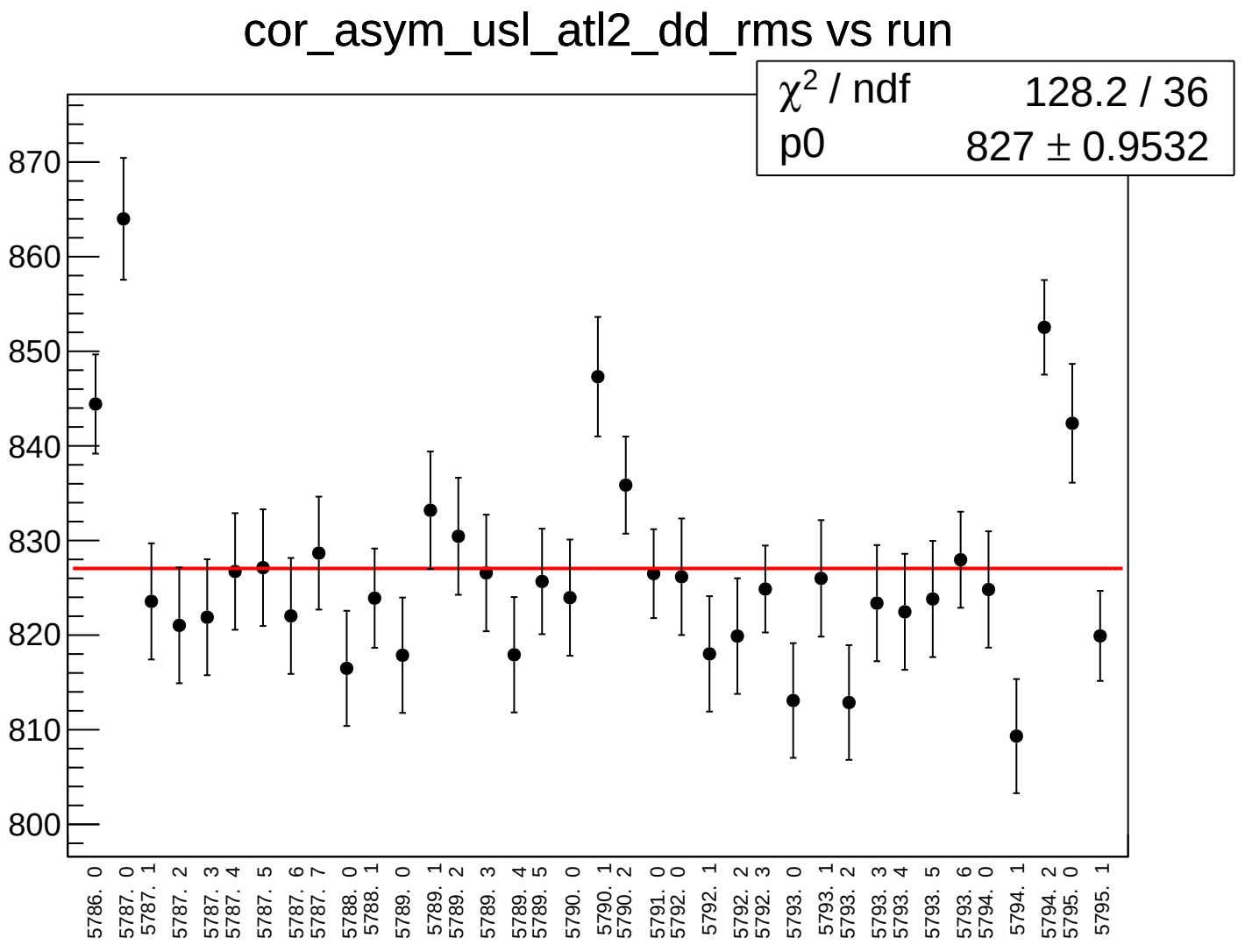

asym_usl_atl2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 34.58 / 36
p0 6675 ± 4174
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 34.24
Std Dev 0
2
1
0
−1
−2

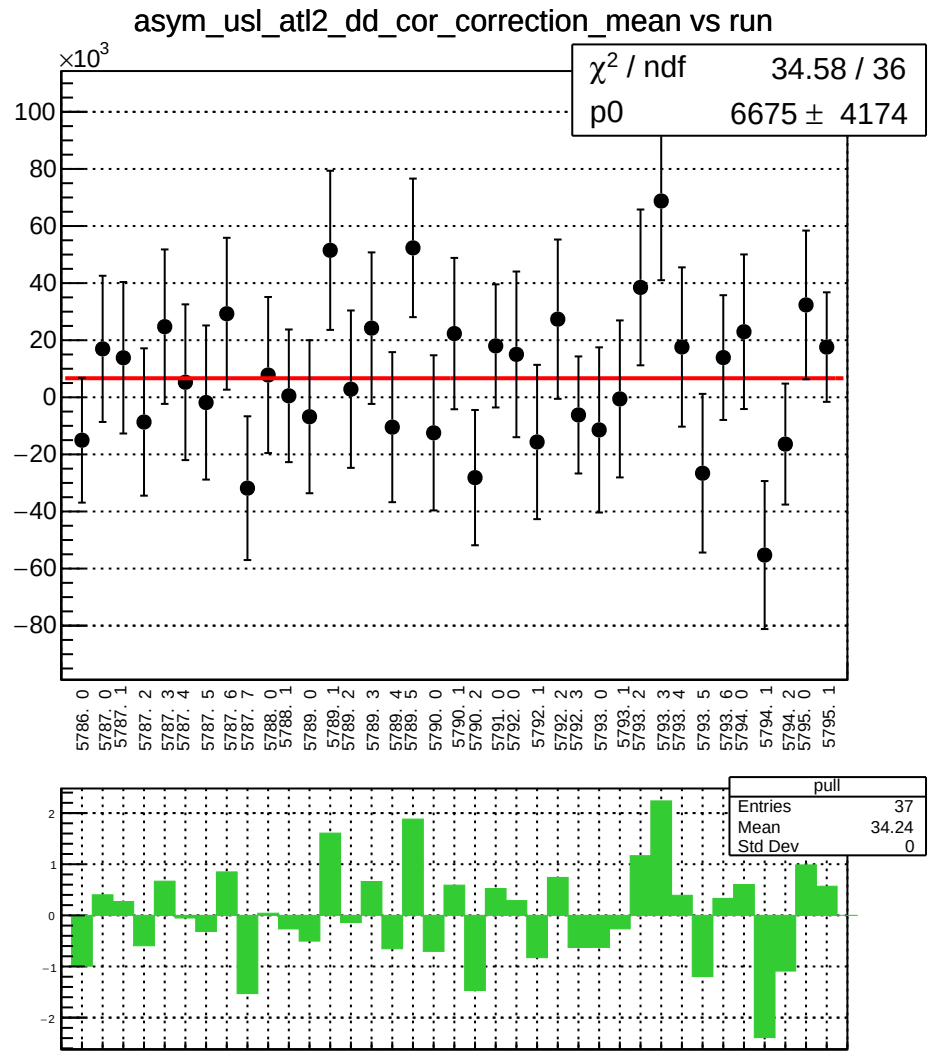

pull1D
Entries 37
Mean 0.01566
Std Dev 0.9666
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

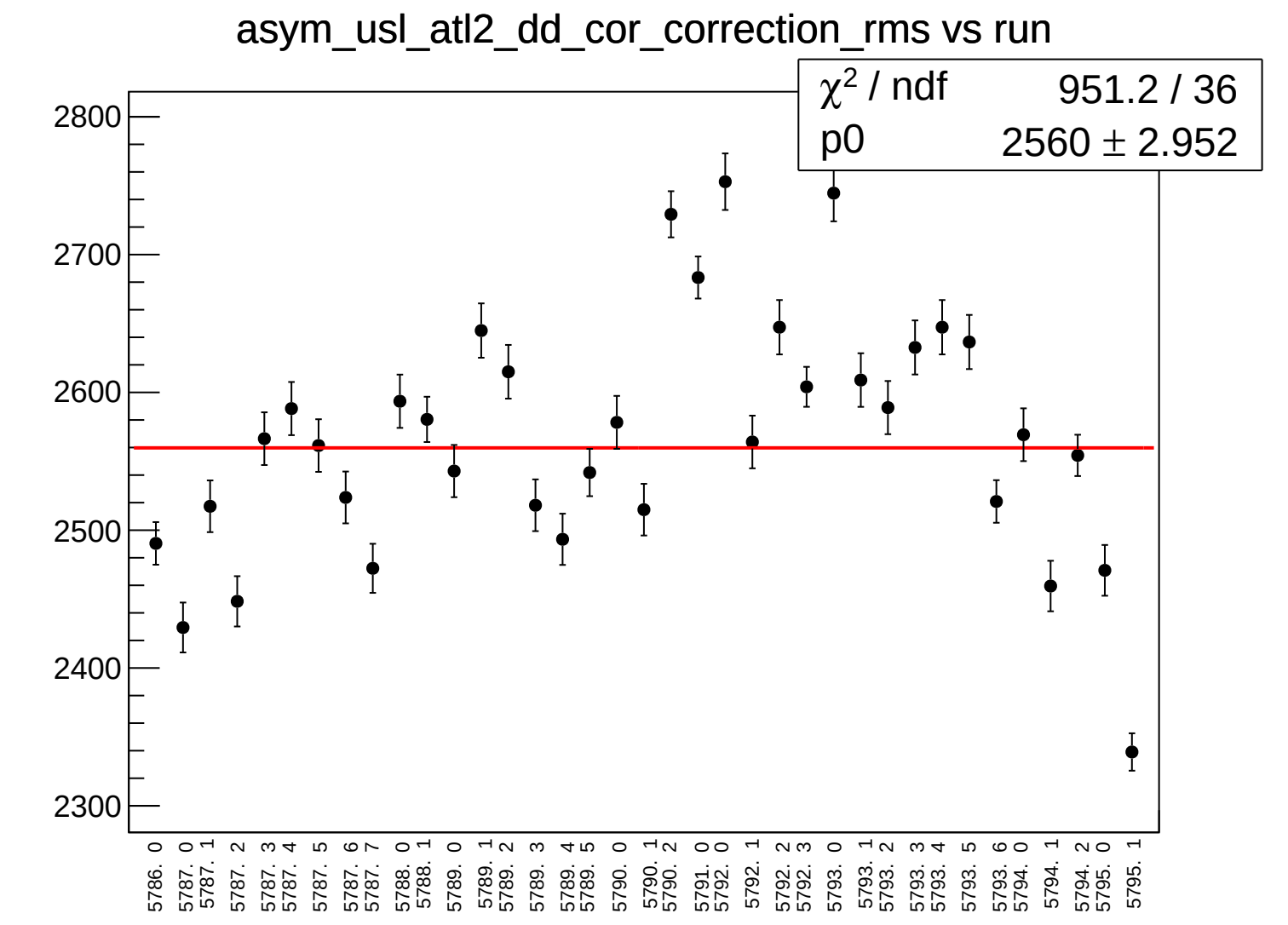

asym_usl_atl2_dd_reg_correction_rms vs run
χ² / ndf 951.2 / 36
p0 2560 ± 2.952
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

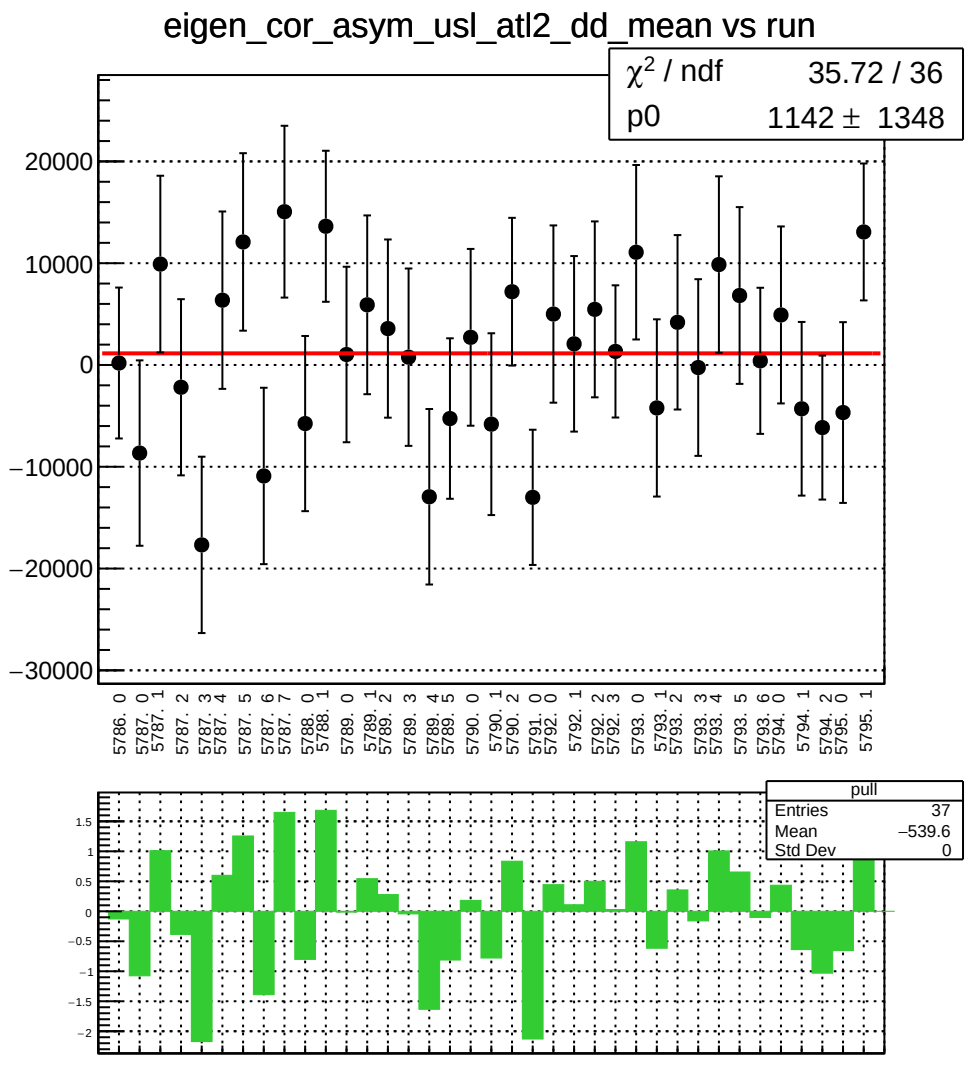

cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.72 / 36
p0 1142 ± 1348
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −539.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

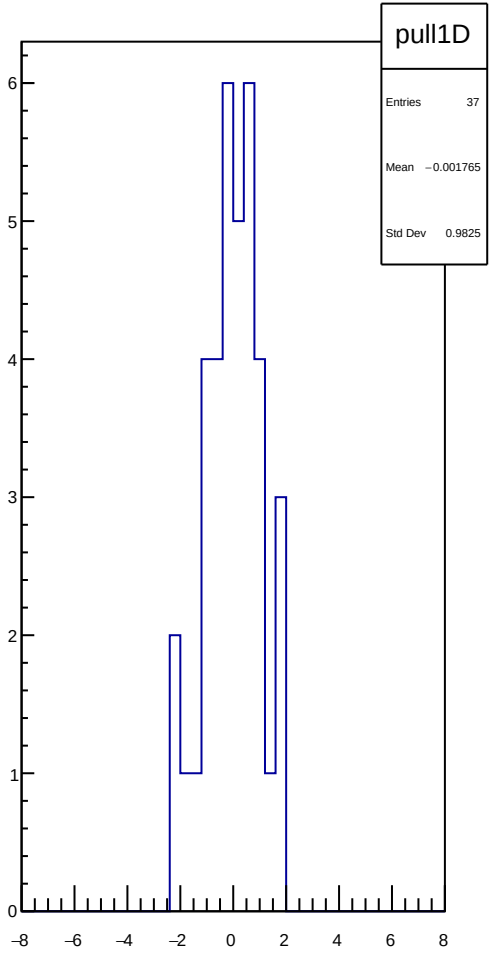

pull1D
Entries 37
Mean −0.001765
Std Dev 0.9825
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

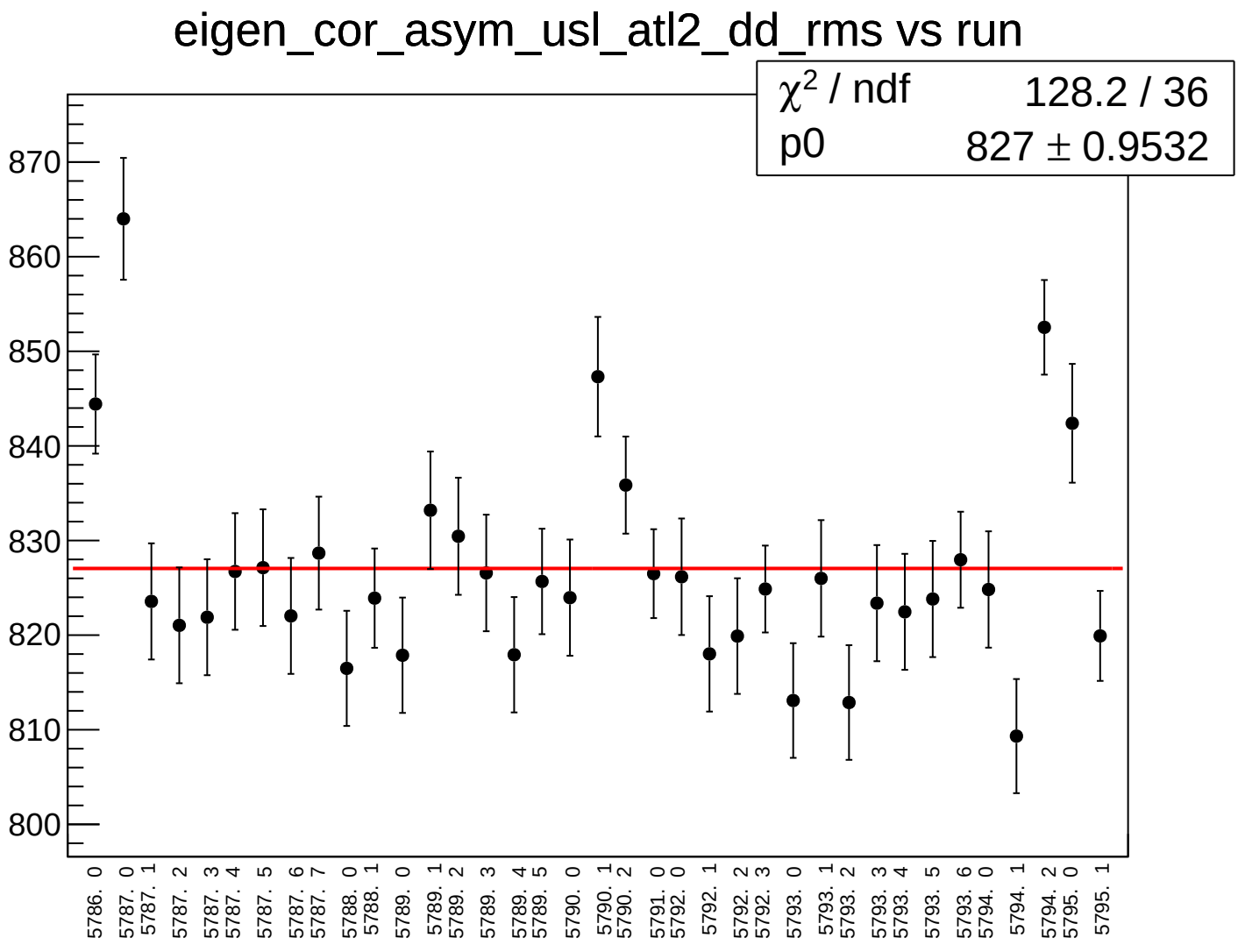

cor_asym_usl_atl2_dd_rms vs run
χ^2 / ndf 128.2 / 36
p0 827 ± 0.9532
870
860
850
840
830
820
810
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

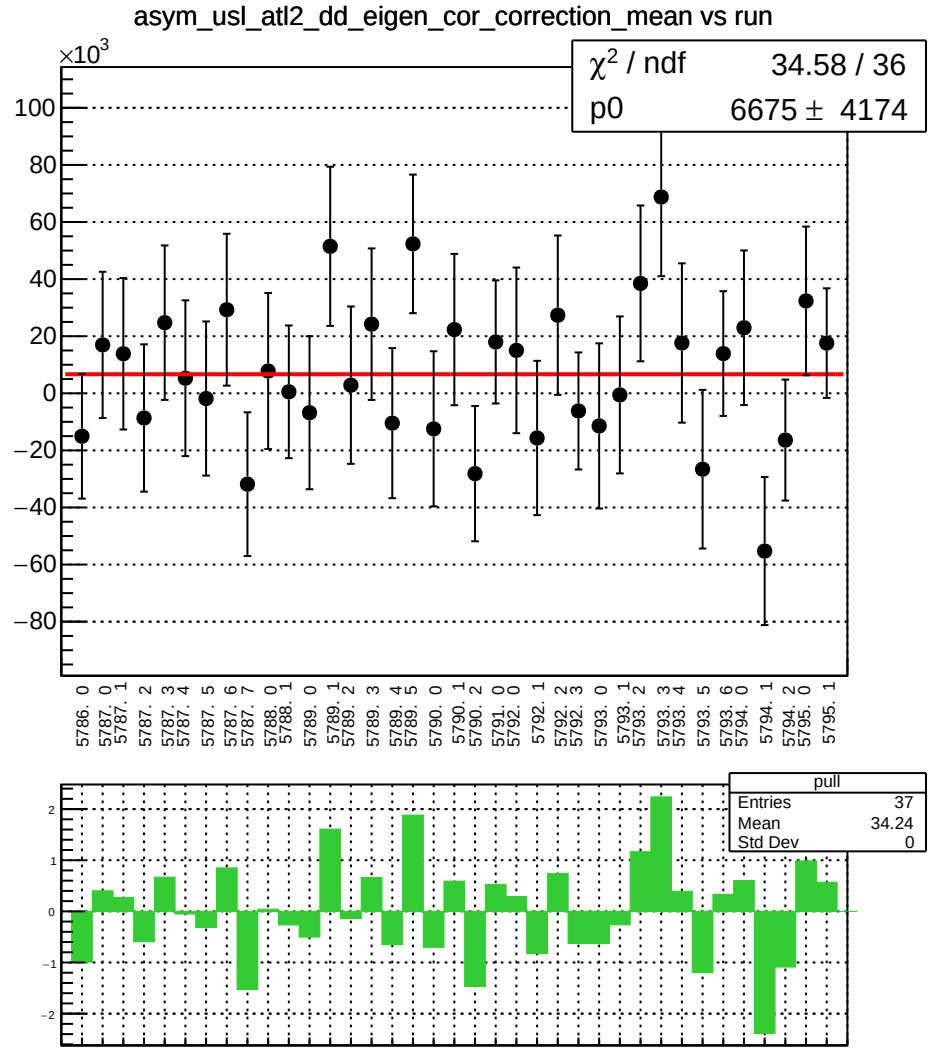

asym_usl_atl2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 34.58 / 36
p0 6675 ± 4174
pull
Entries 37
Mean 34.24
Std Dev 0
pull1D
Entries 37
Mean 0.01567
Std Dev 0.9666

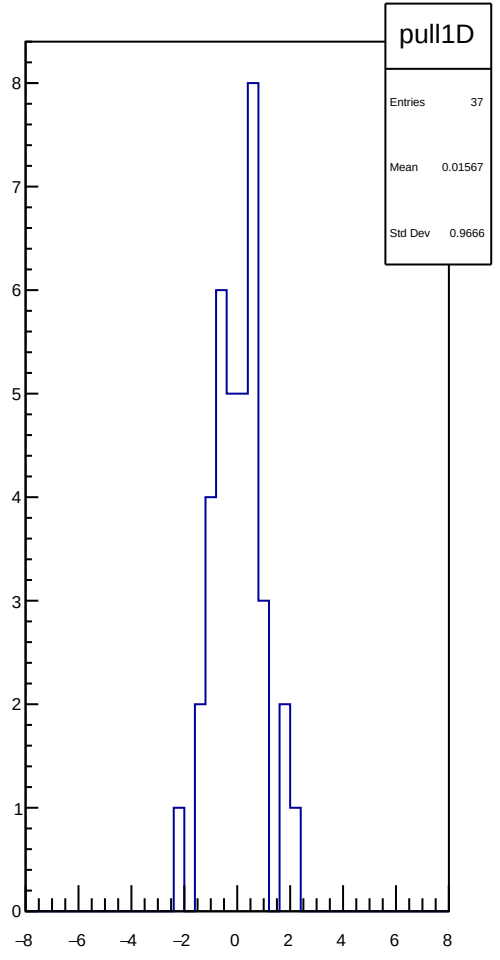

asym_usl_atl2_dd_cor_correction_rms vs run
χ² / ndf 951.2 / 36
p0 2560 ± 2.952
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

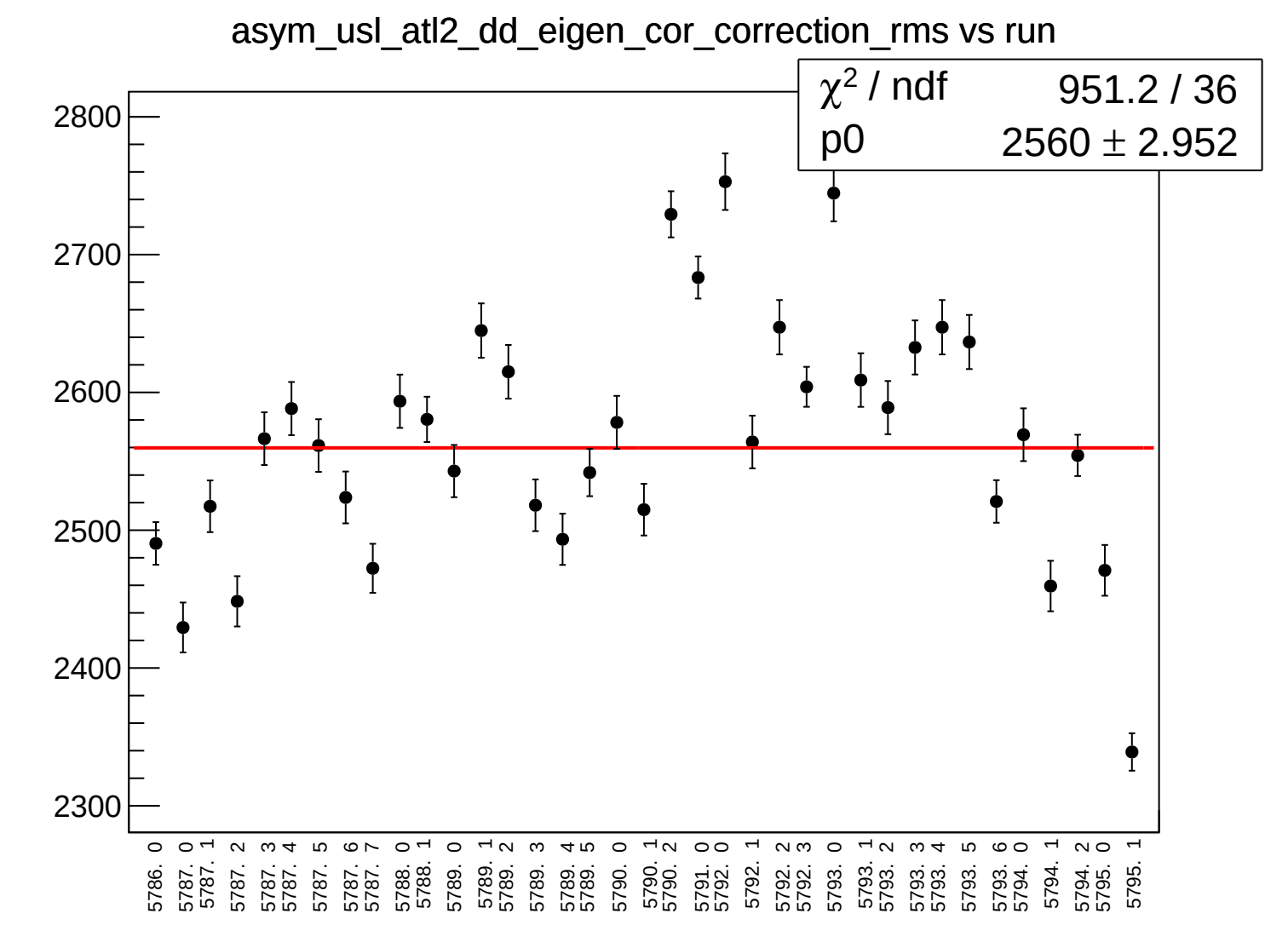

eigen_cor_asym_usl_atl2_dd_mean vs run
χ² / ndf 35.72 / 36
p0 1142 ± 1348
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −539.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

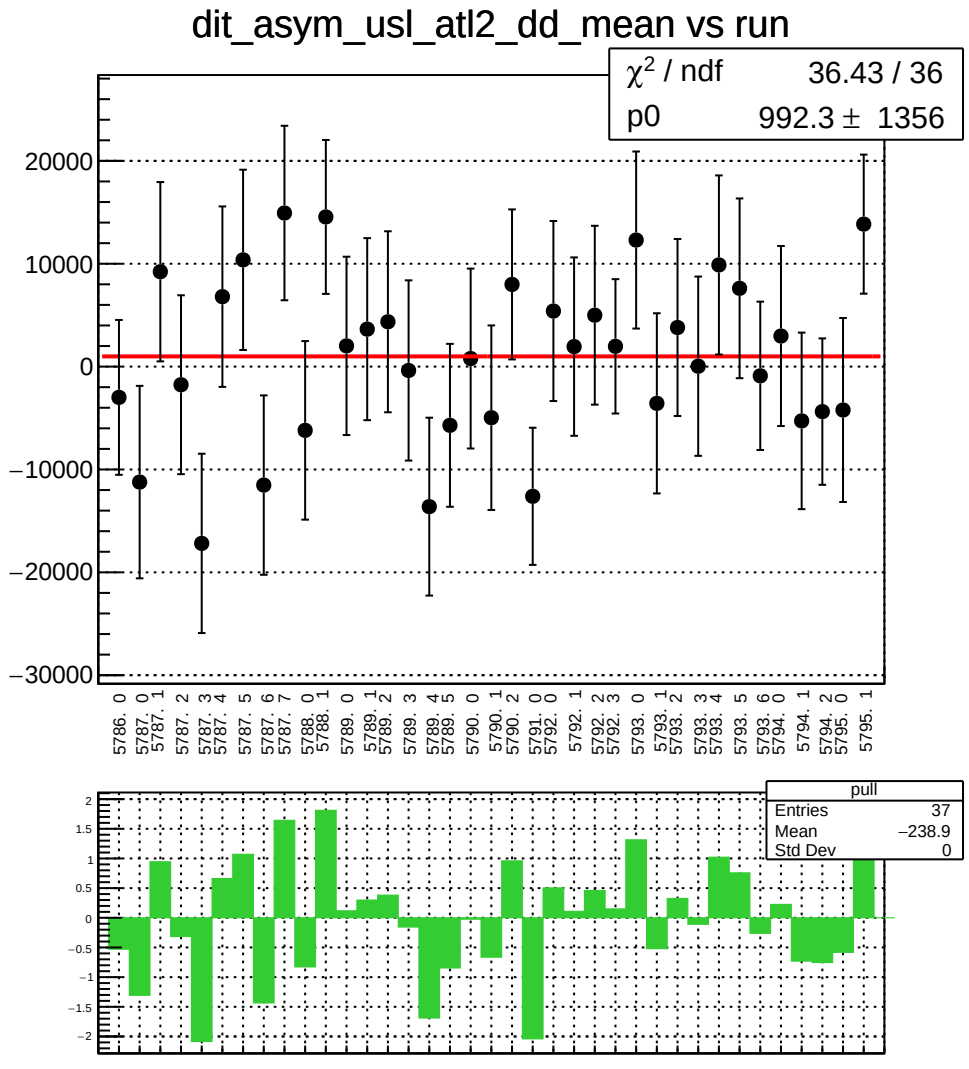

pull1D
Entries 37
Mean −0.001765
Std Dev 0.9825
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

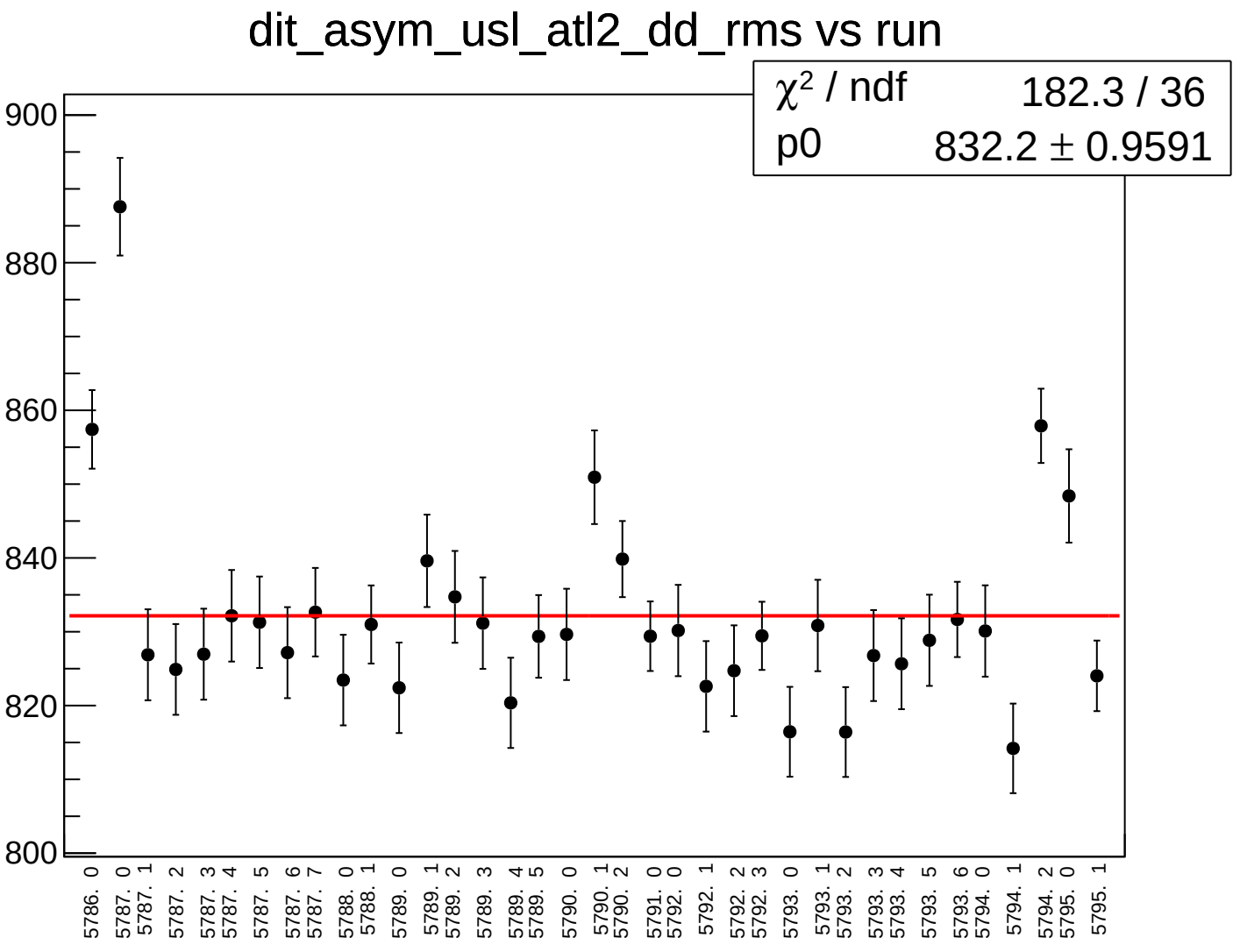

eigen_cor_asym_usl_atl2_dd_rms vs run
χ² / ndf 128.2 / 36
p0 827 ± 0.9532
870
860
850
840
830
820
810
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

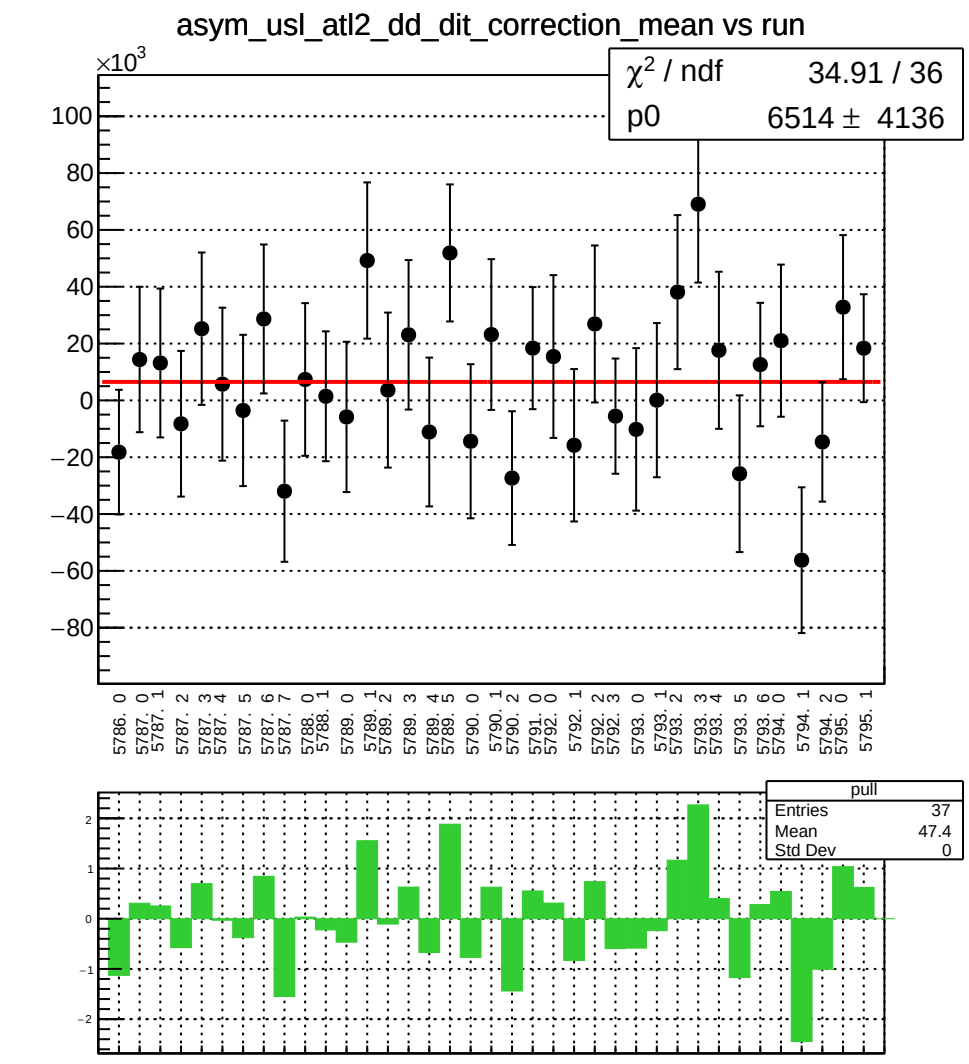

asym_usl_atl2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 34.58 / 36
p0 6675 ± 4174
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 34.24
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01567
Std Dev 0.9666
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usl_atl2_dd_eigen_cor_correction_rms vs run
χ² / ndf 951.2 / 36
p0 2560 ± 2.952
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 36.43 / 36
p0 992.3 ± 1356
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −238.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.005733
Std Dev 0.9923
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 182.3 / 36
p0 832.2 ± 0.9591
900
880
860
840
820
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usl_atl2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 34.91 / 36
p0 6514 ± 4136
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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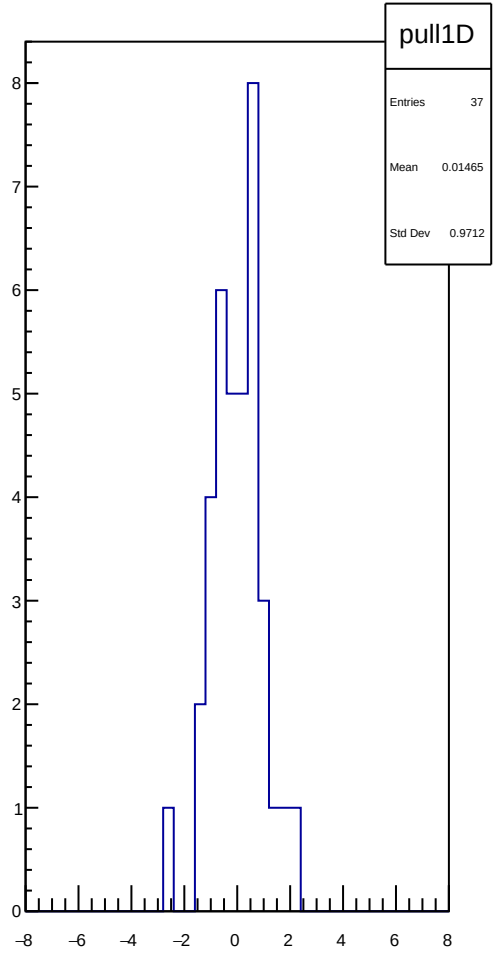
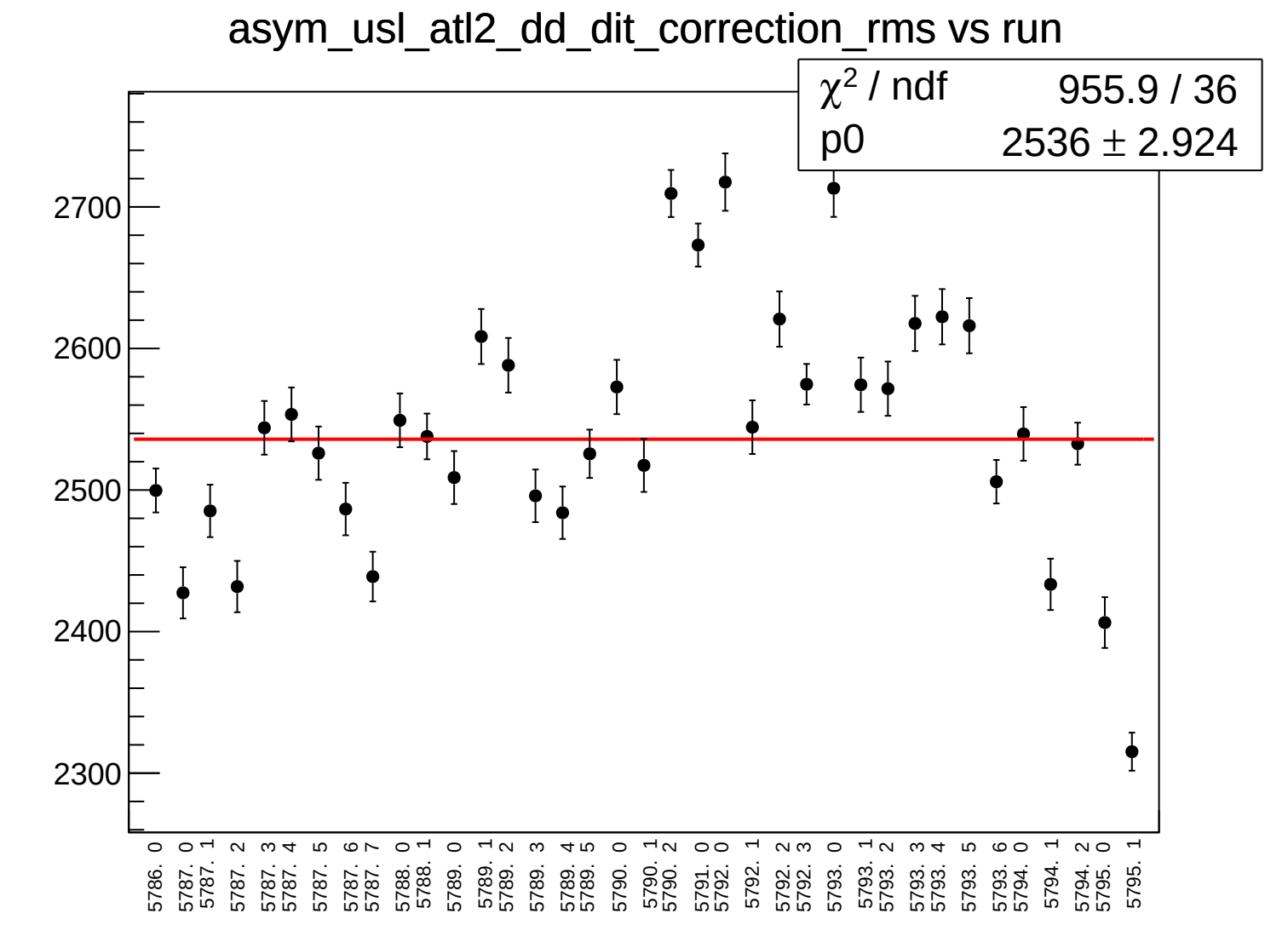
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 47.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01465
Std Dev 0.9712
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 955.9 / 36
p0 2536 ± 2.924
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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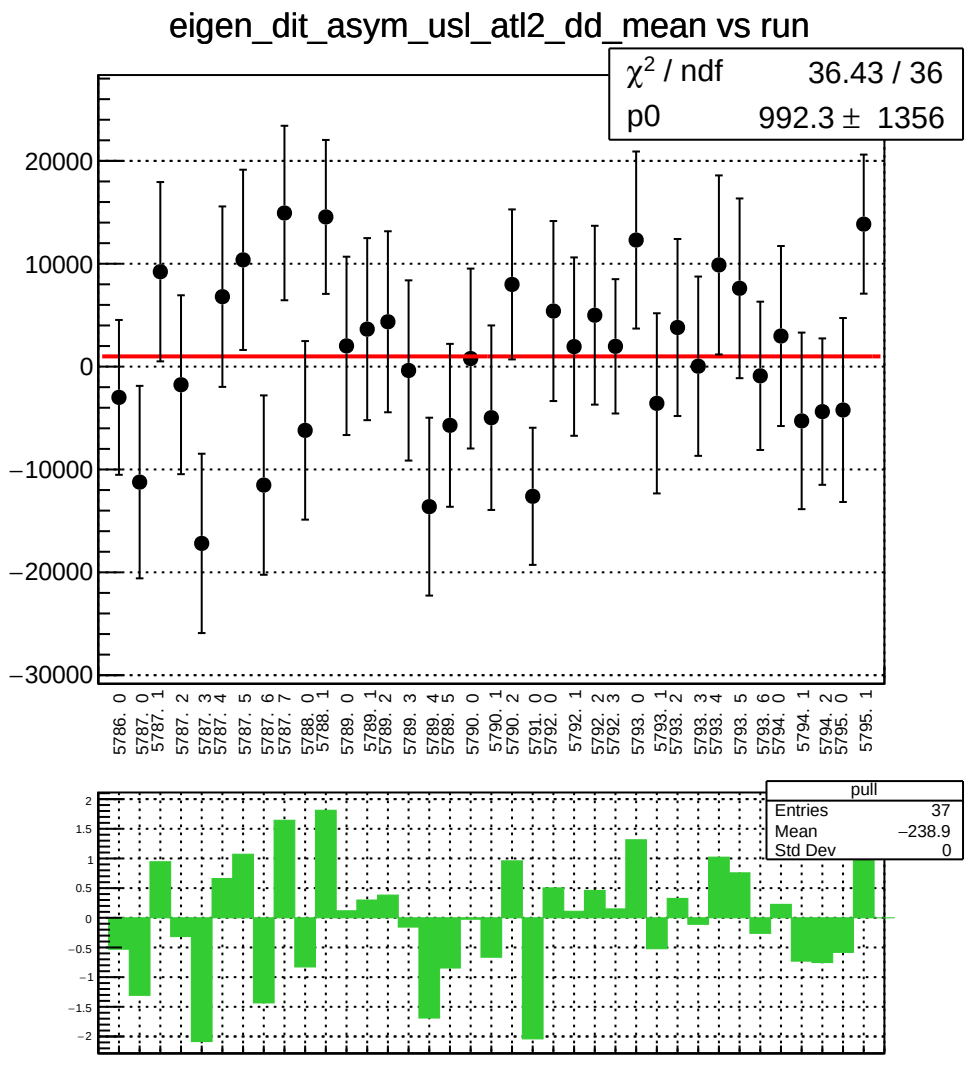
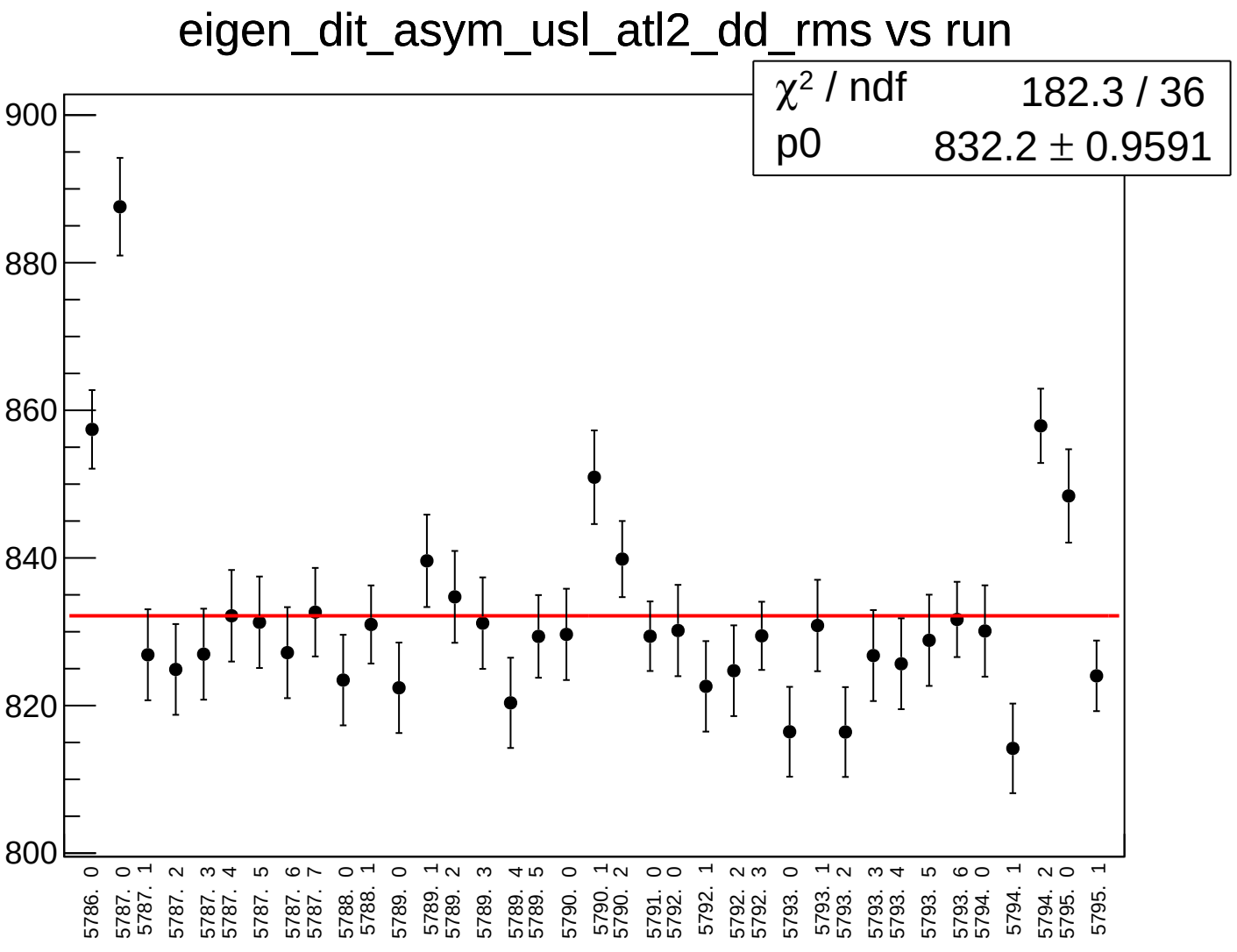
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_usl_atl2_dd_mean vs run
χ² / ndf 36.43 / 36
p0 992.3 ± 1356
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −238.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.005733
Std Dev 0.9923
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usl_atl2_dd_rms vs run
χ² / ndf 182.3 / 36
p0 832.2 ± 0.9591
900
880
860
840
820
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 5
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5794. 2
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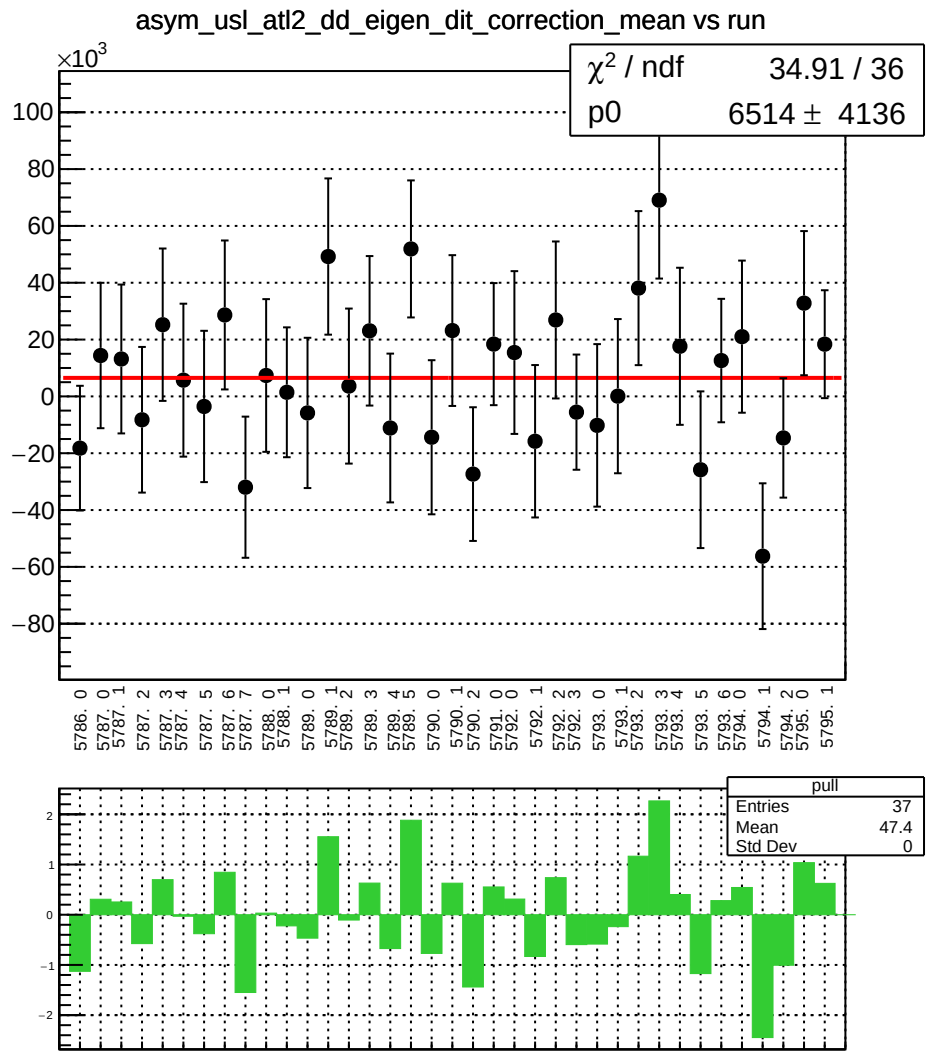
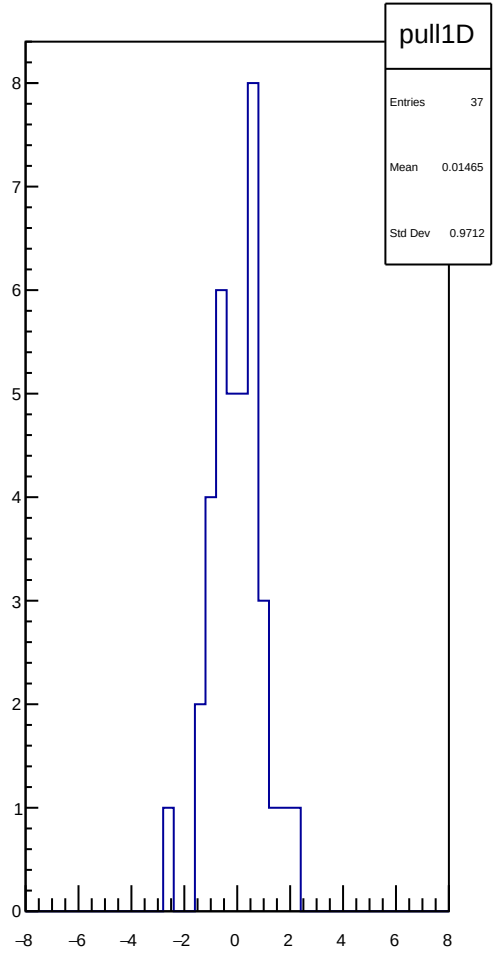
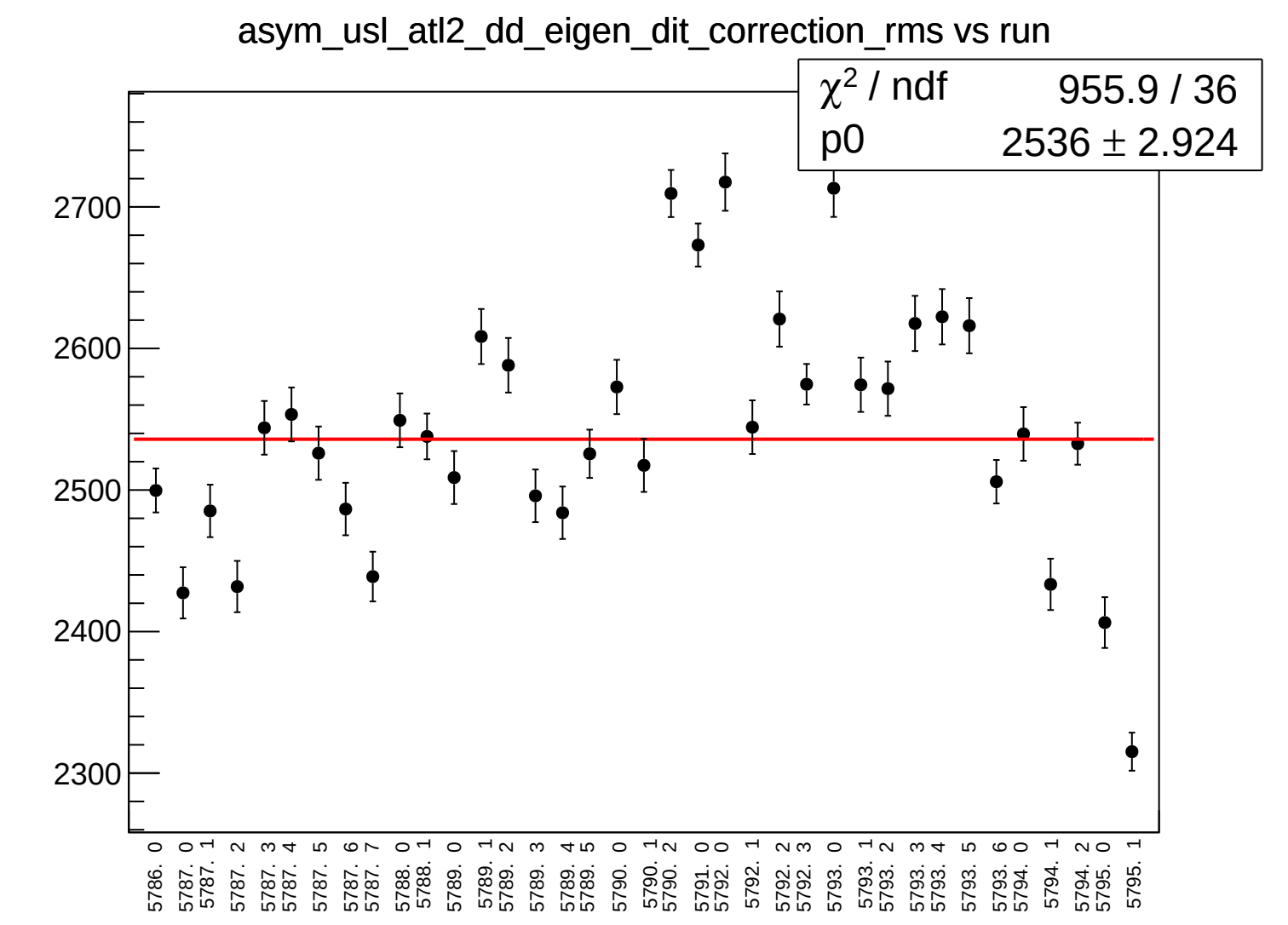
5795. 1


asym_usl_atl2_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 34.91 / 36
p0 6514 ± 4136
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 47.4
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01465
Std Dev 0.9712
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 955.9 / 36
p0 2536 ± 2.924
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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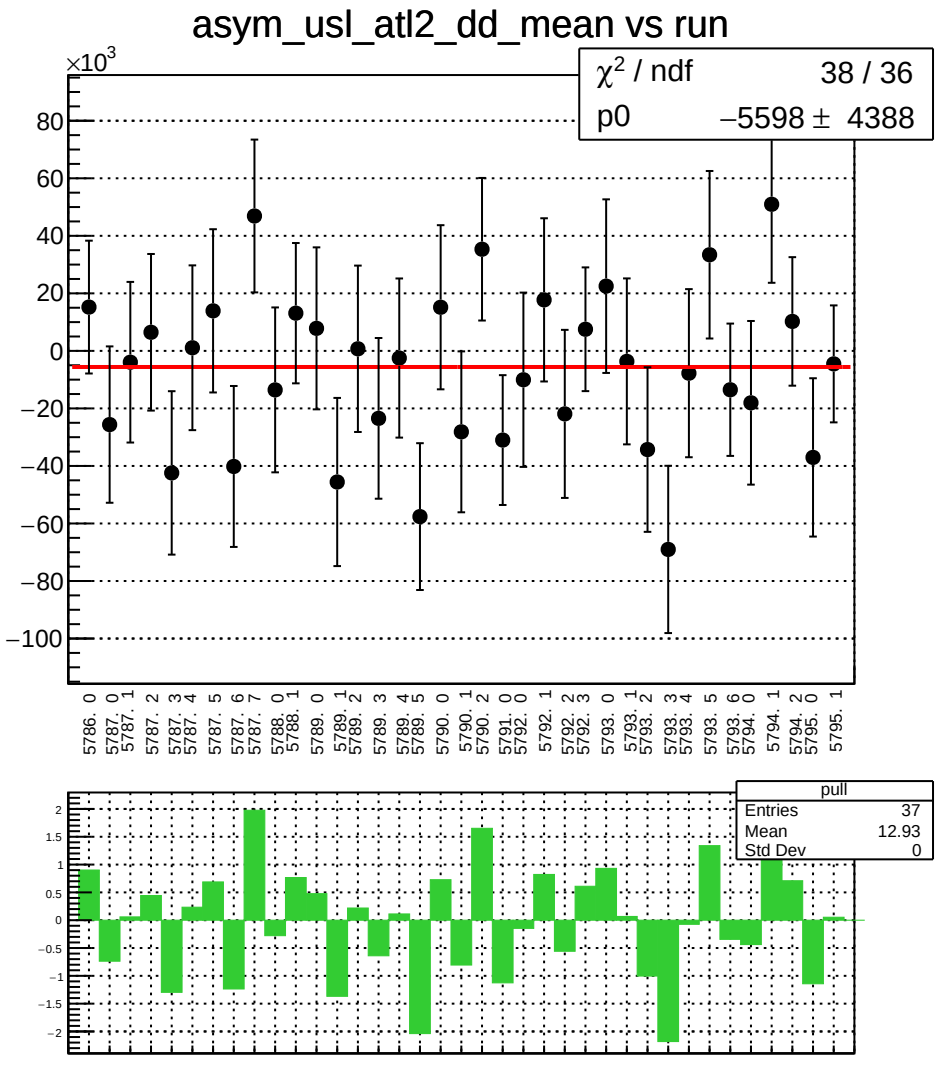
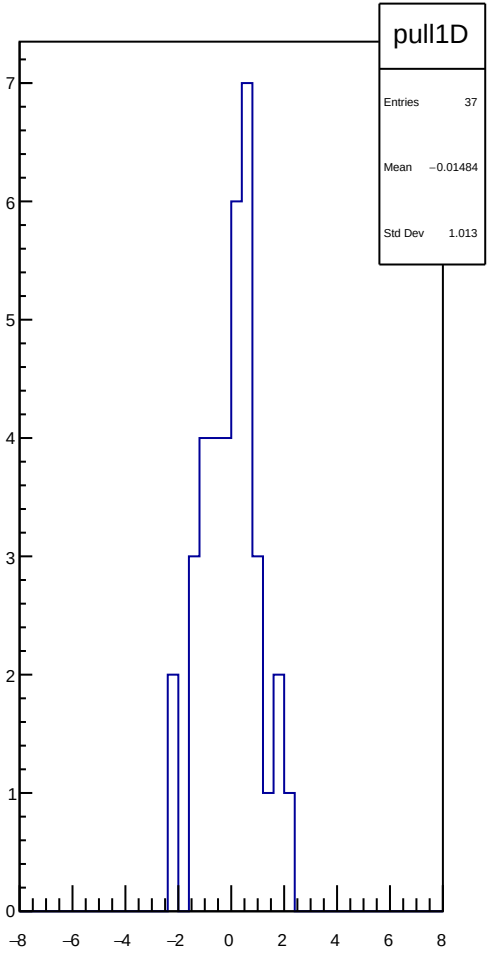
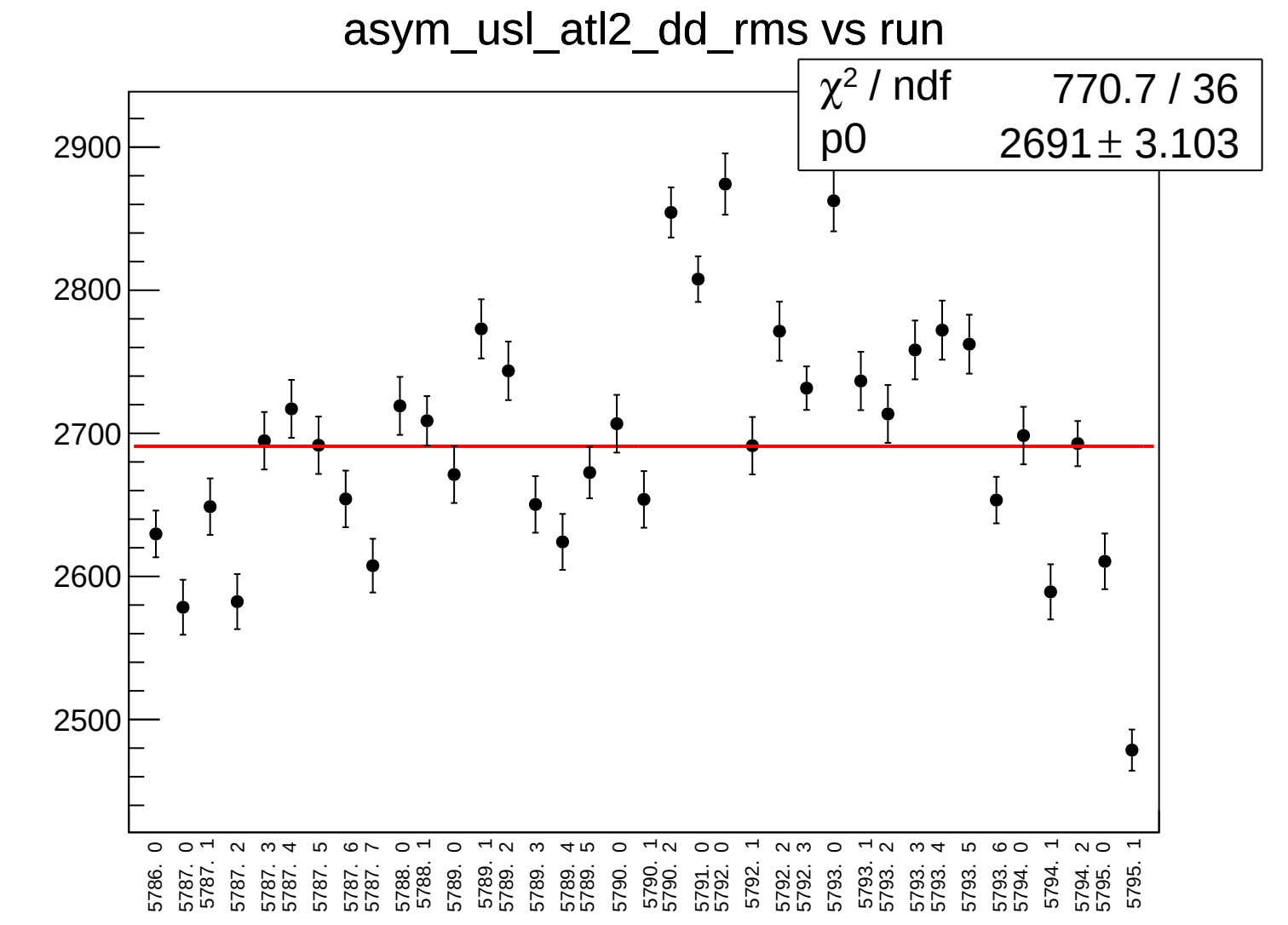
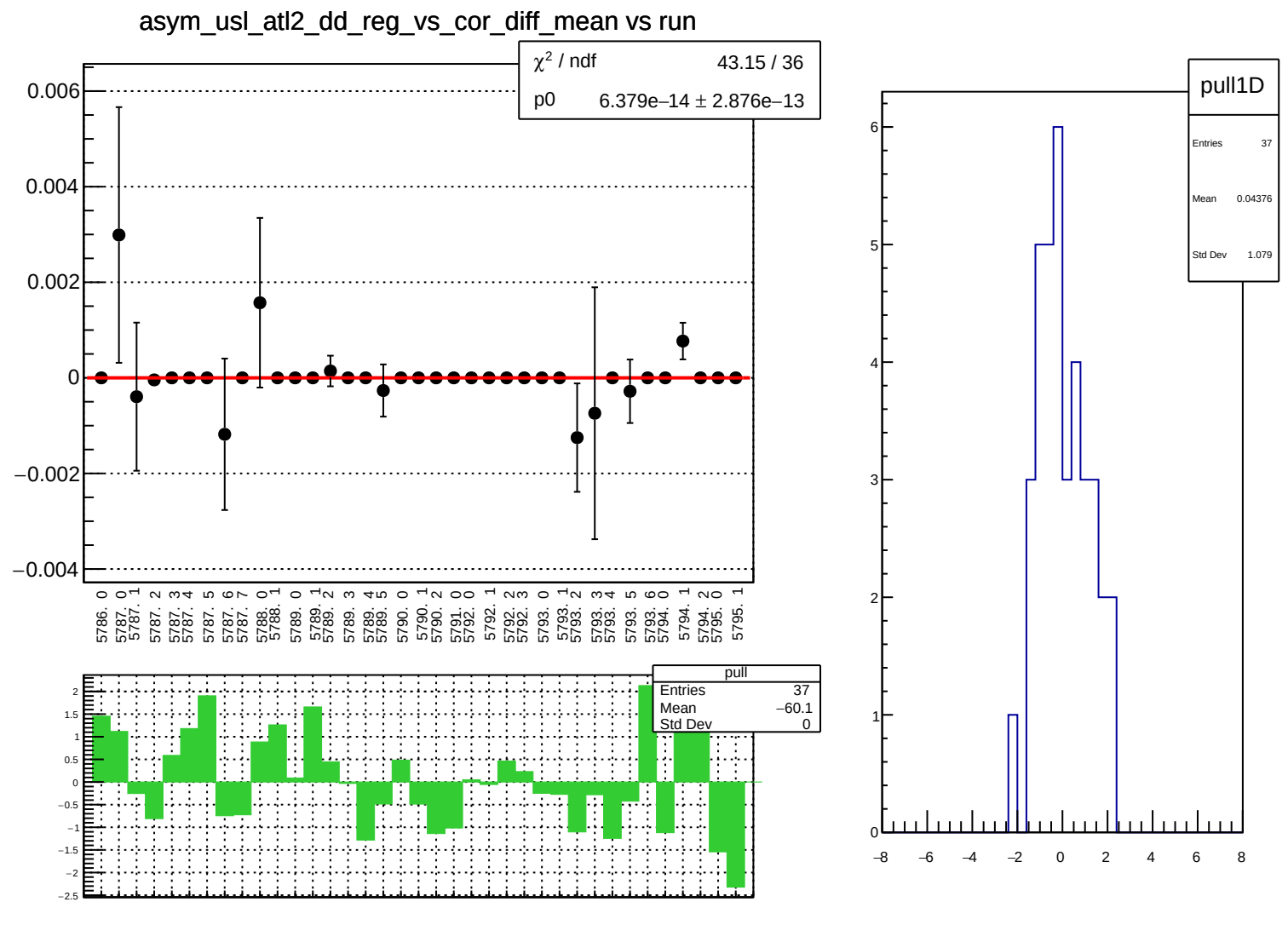
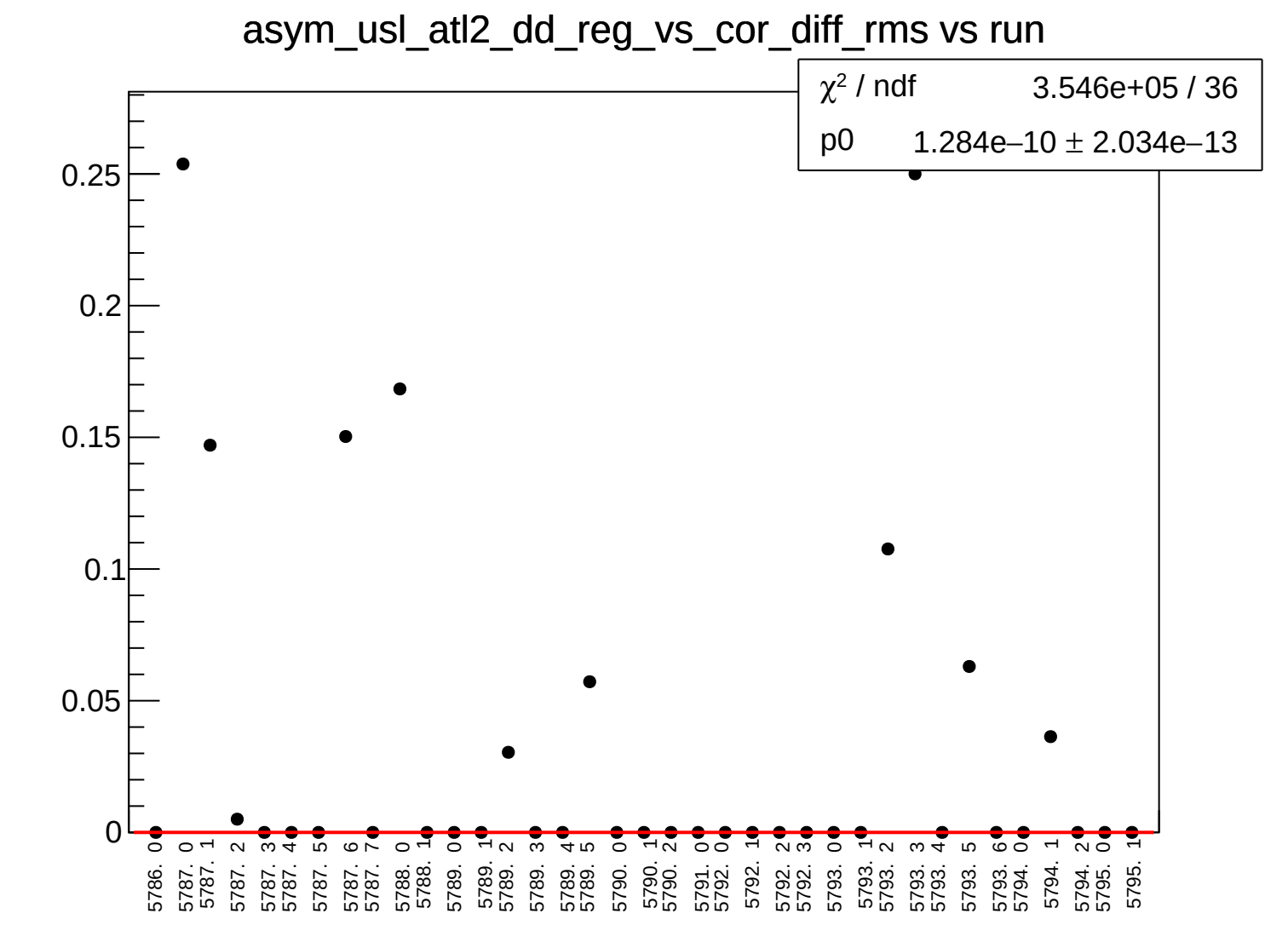
5794. 2
5795. 0
5795. 1

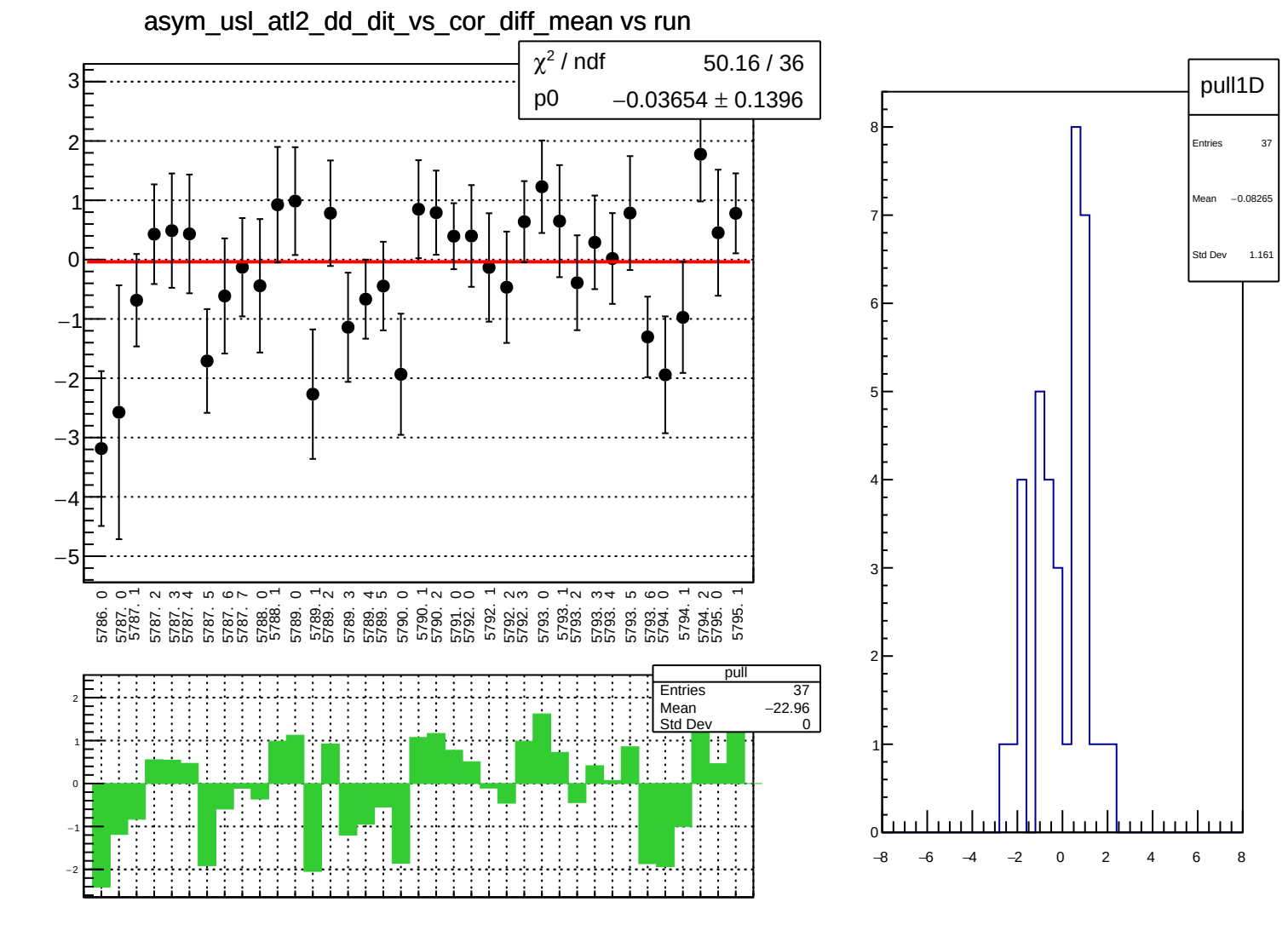

asym_usl_atl2_dd_mean vs run
×10^3
χ^2 / ndf 38 / 36
p0 −5598 ± 4388
80
60
40
20
0
−20
−40
−60
−80
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

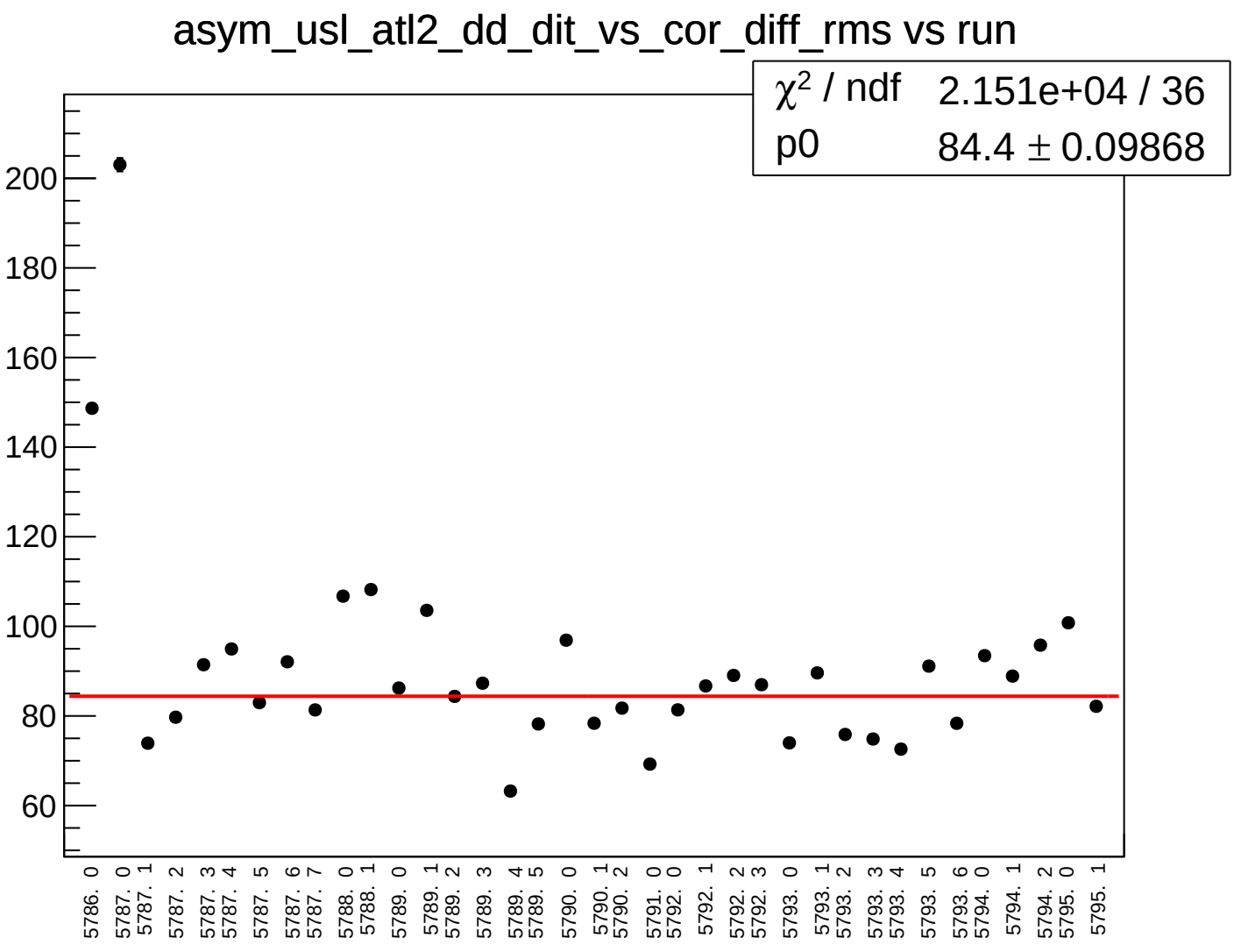

pull1D
Entries 37
Mean −0.01484
Std Dev 1.013
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

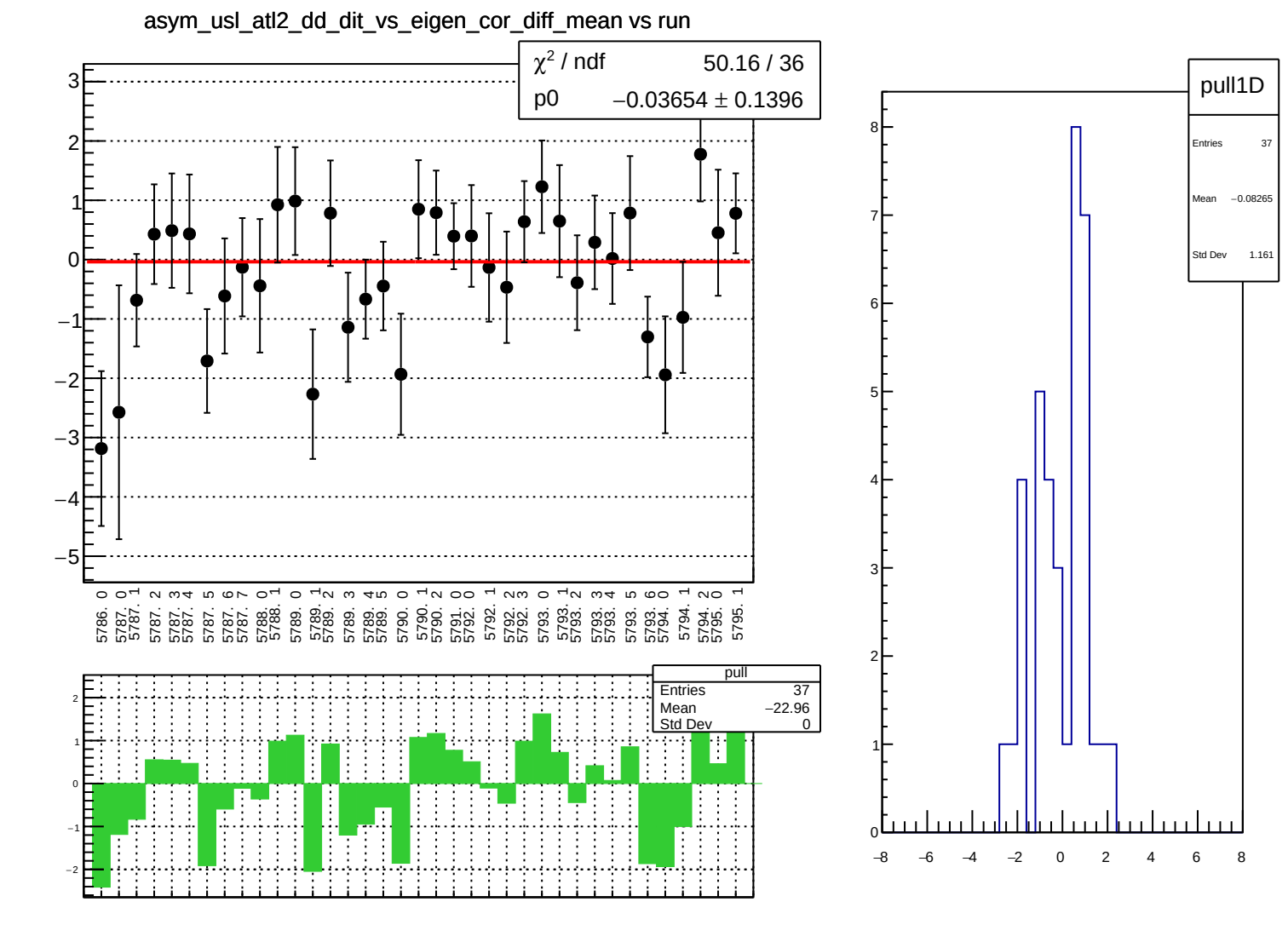

asym_usl_atl2_dd_rms vs run
χ² / ndf 770.7 / 36
p0 2691 ± 3.103
2900
2800
2700
2600
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

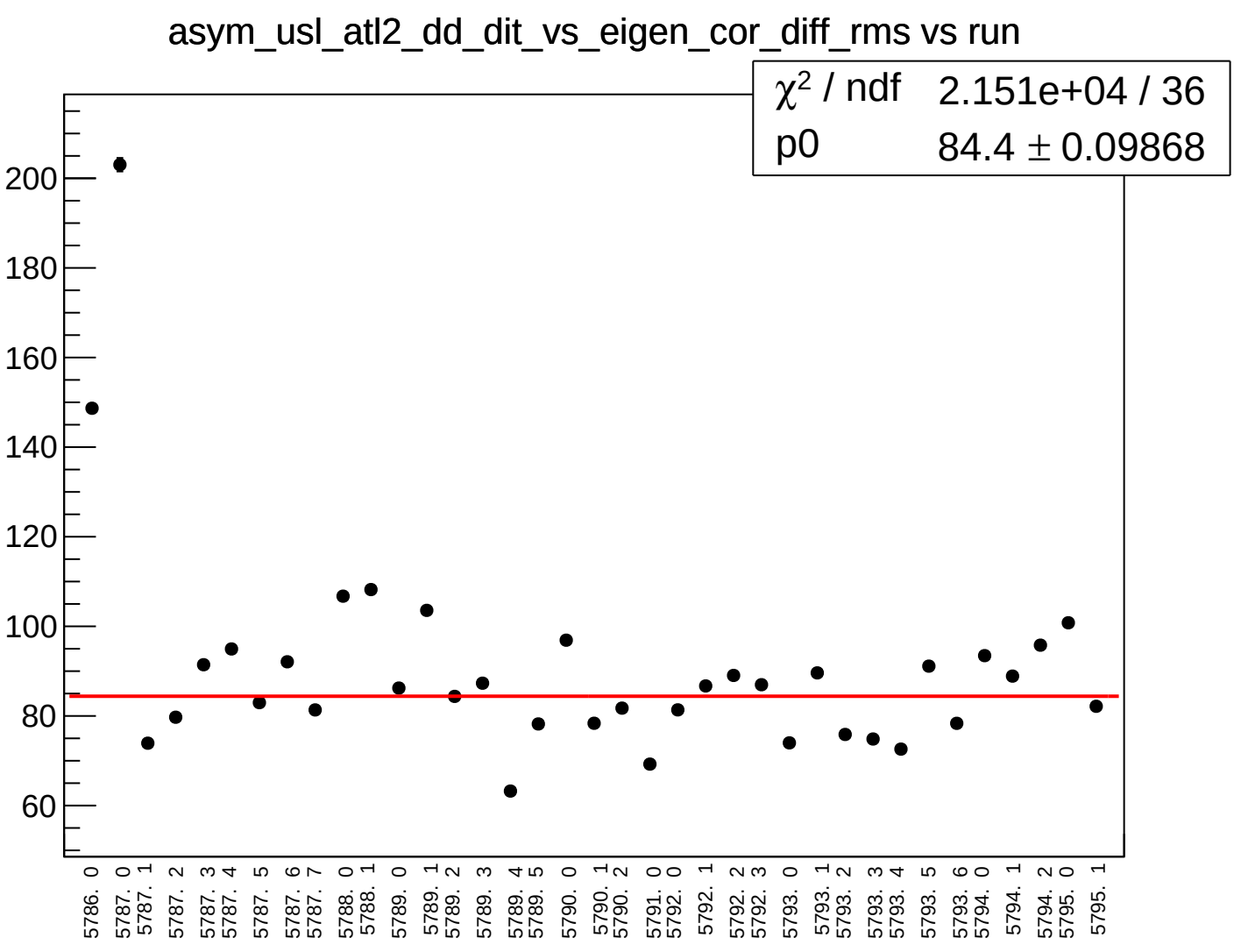

asym_usl_atl2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.15 / 36
p0 6.379e−14 ± 2.876e−13
0.006
0.004
0.002
0
−0.002
−0.004
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −60.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.04376
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

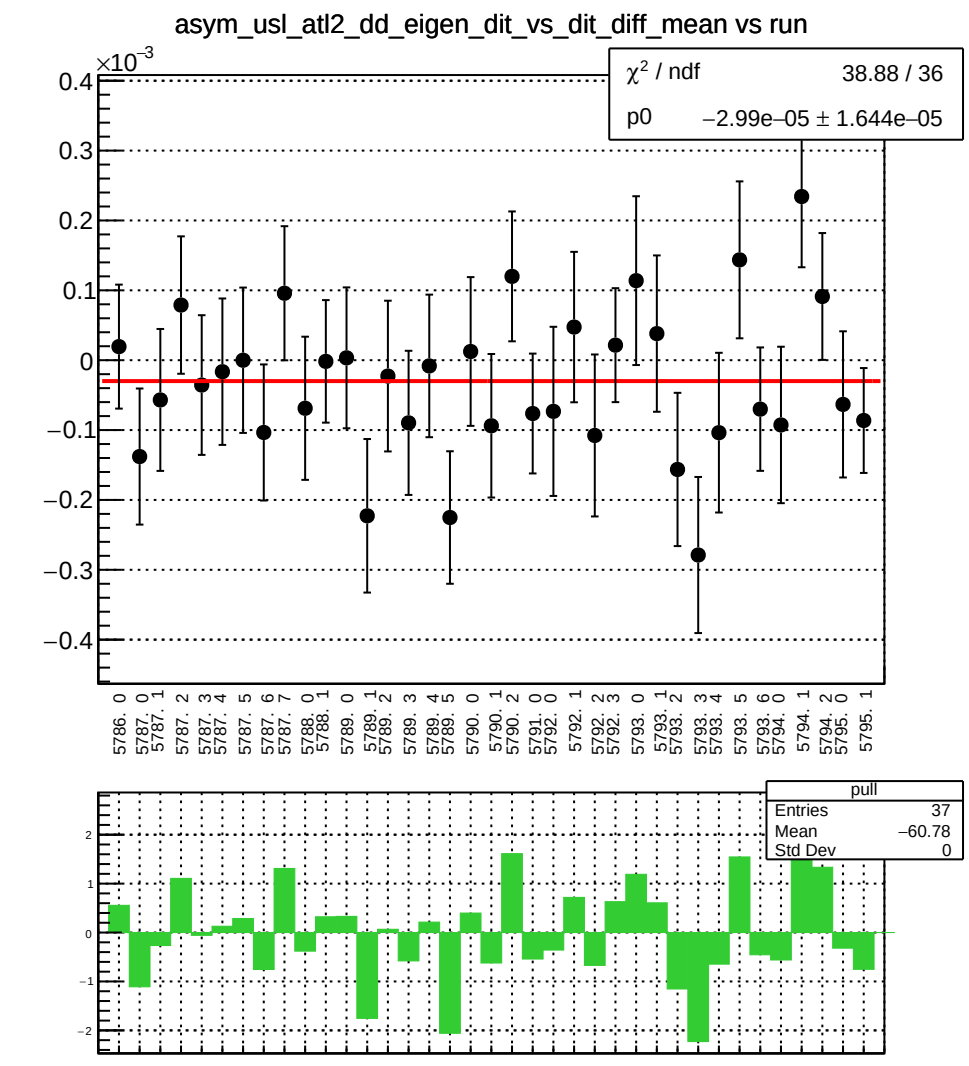

asym_usl_atl2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.546e+05 / 36
p0 1.284e−10 ± 2.034e−13
0.25
0.2
0.15
0.1
0.05
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

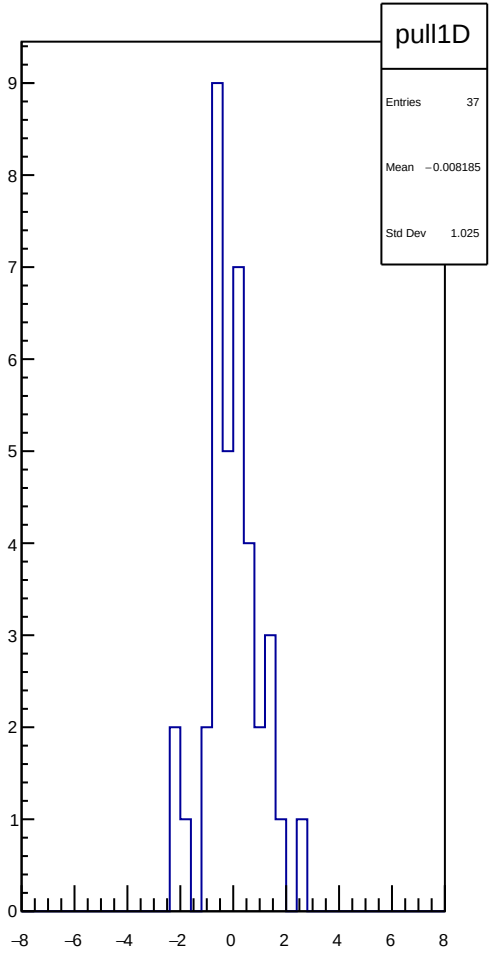

asym_usl_atl2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 50.16 / 36
p0 −0.03654 ± 0.1396
pull
Entries 37
Mean −22.96
Std Dev 0
pull1D
Entries 37
Mean −0.08265
Std Dev 1.161

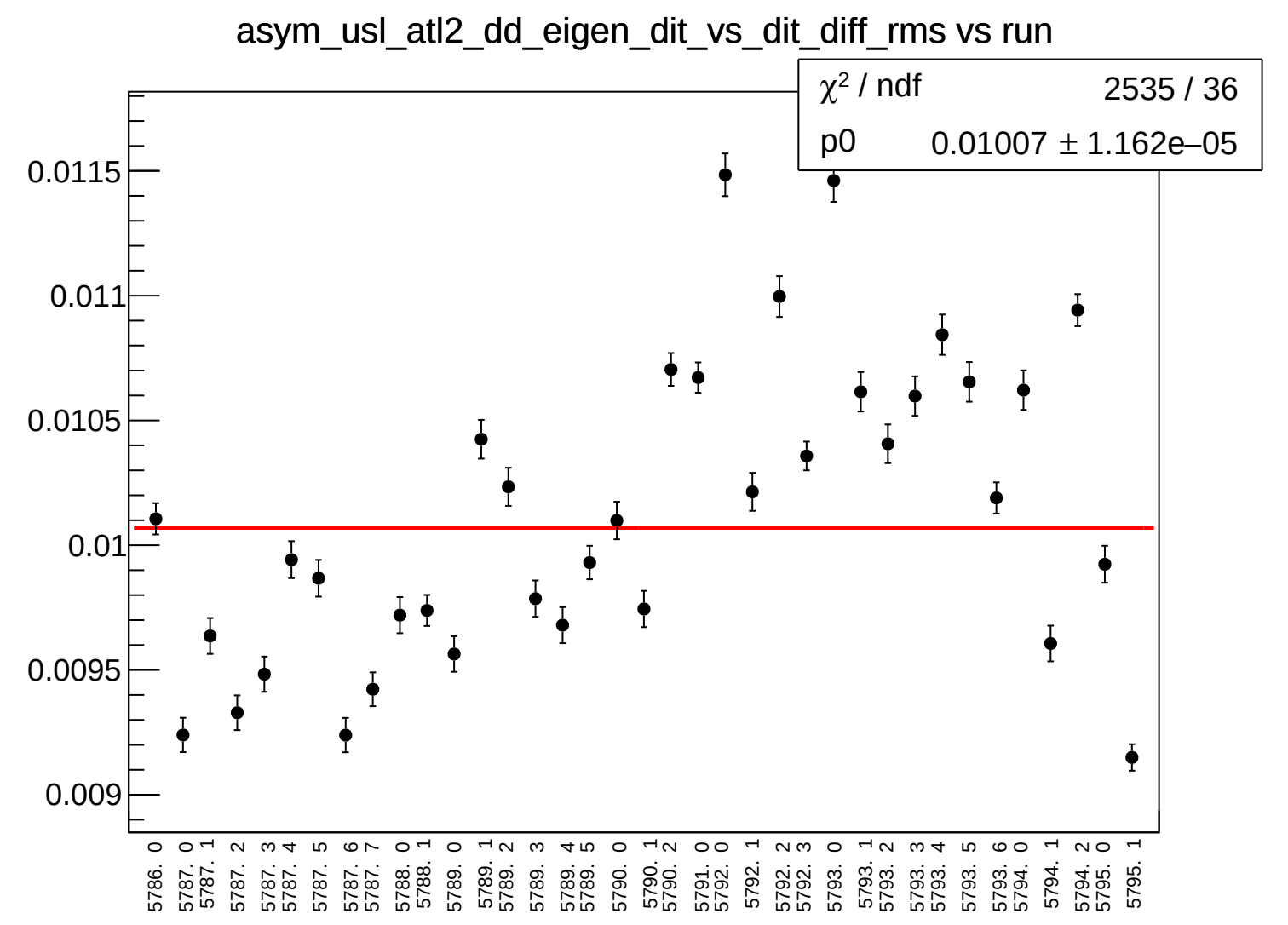

asym_usl_atl2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.151e+04 / 36
p0 84.4 ± 0.09868
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

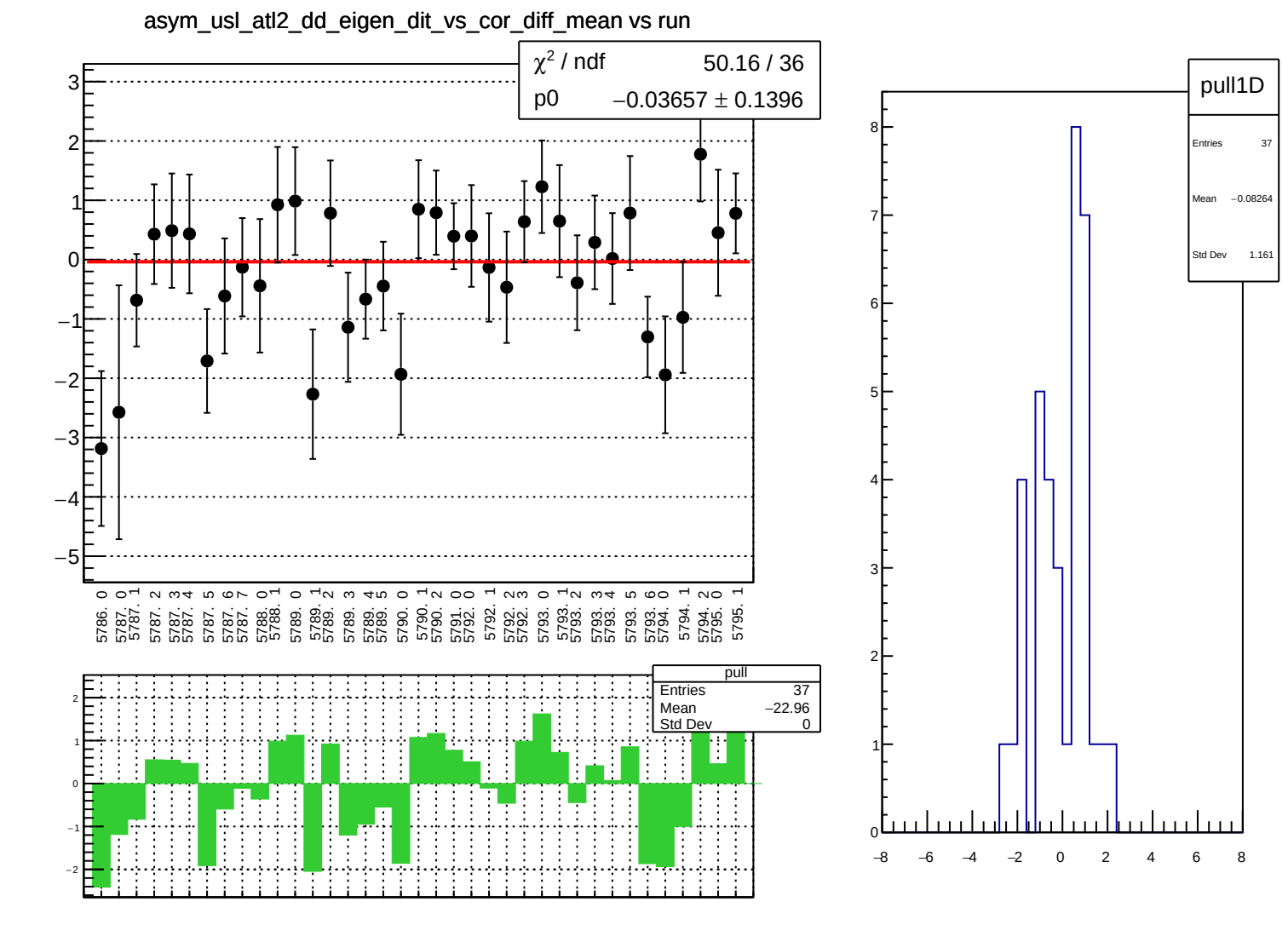

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.16 / 36
p0 −0.03654 ± 0.1396
pull
Entries 37
Mean −22.96
Std Dev 0
pull1D
Entries 37
Mean −0.08265
Std Dev 1.161

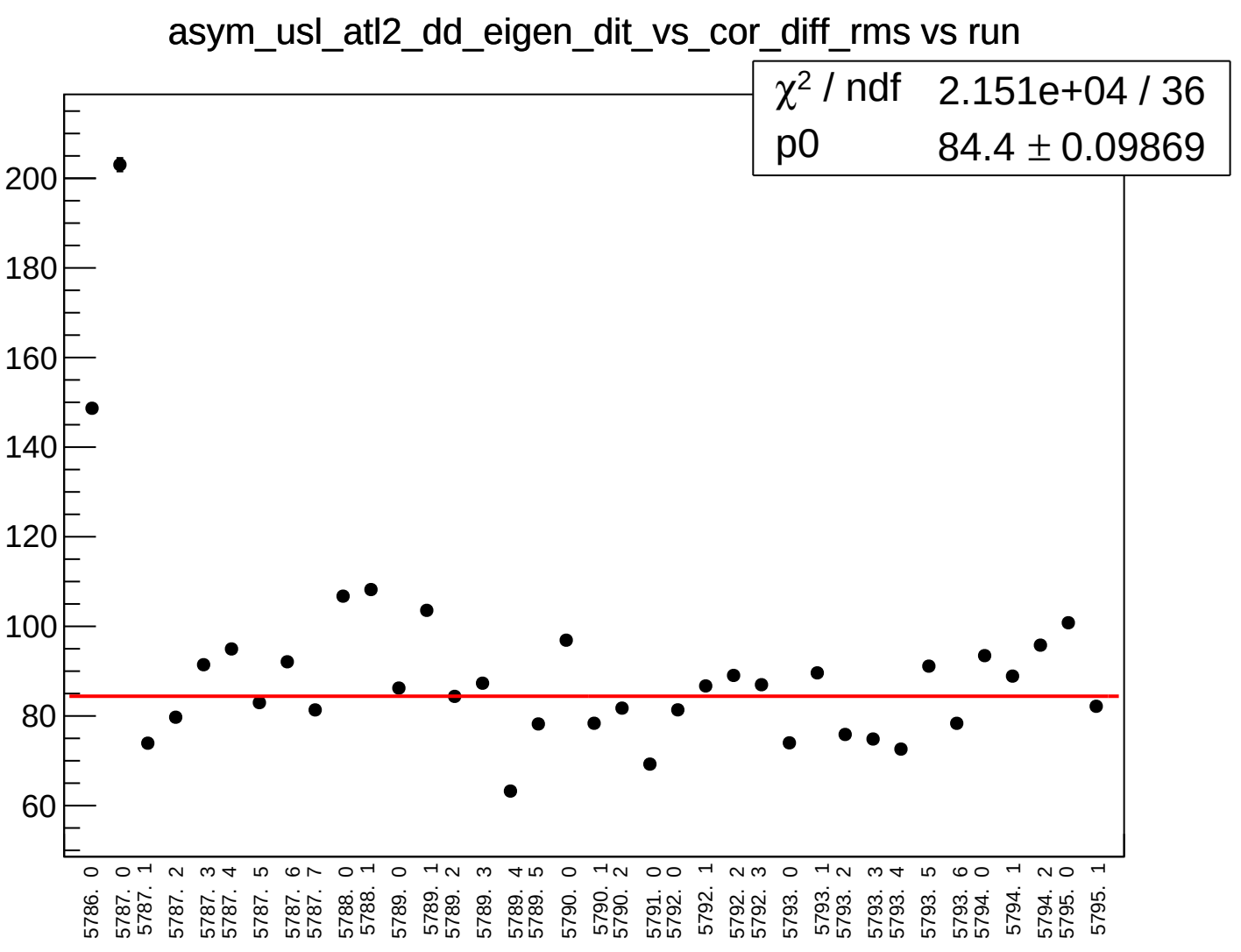

asym_usl_atl2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.151e+04 / 36
p0 84.4 ± 0.09868
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

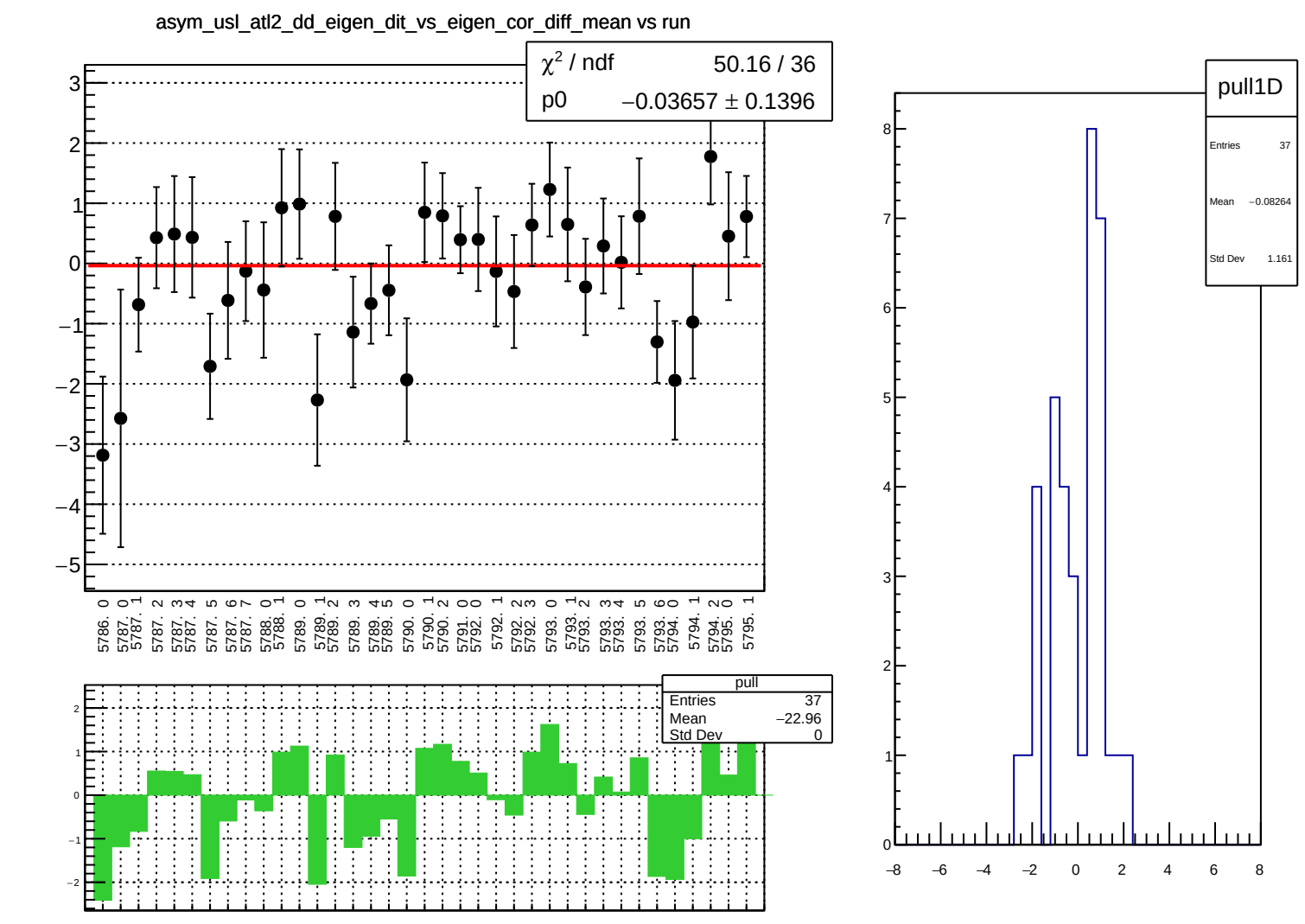

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.88 / 36
p0 −2.99e−05 ± 1.644e−05
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −60.78
Std Dev 0
2
1
0
−1
−2

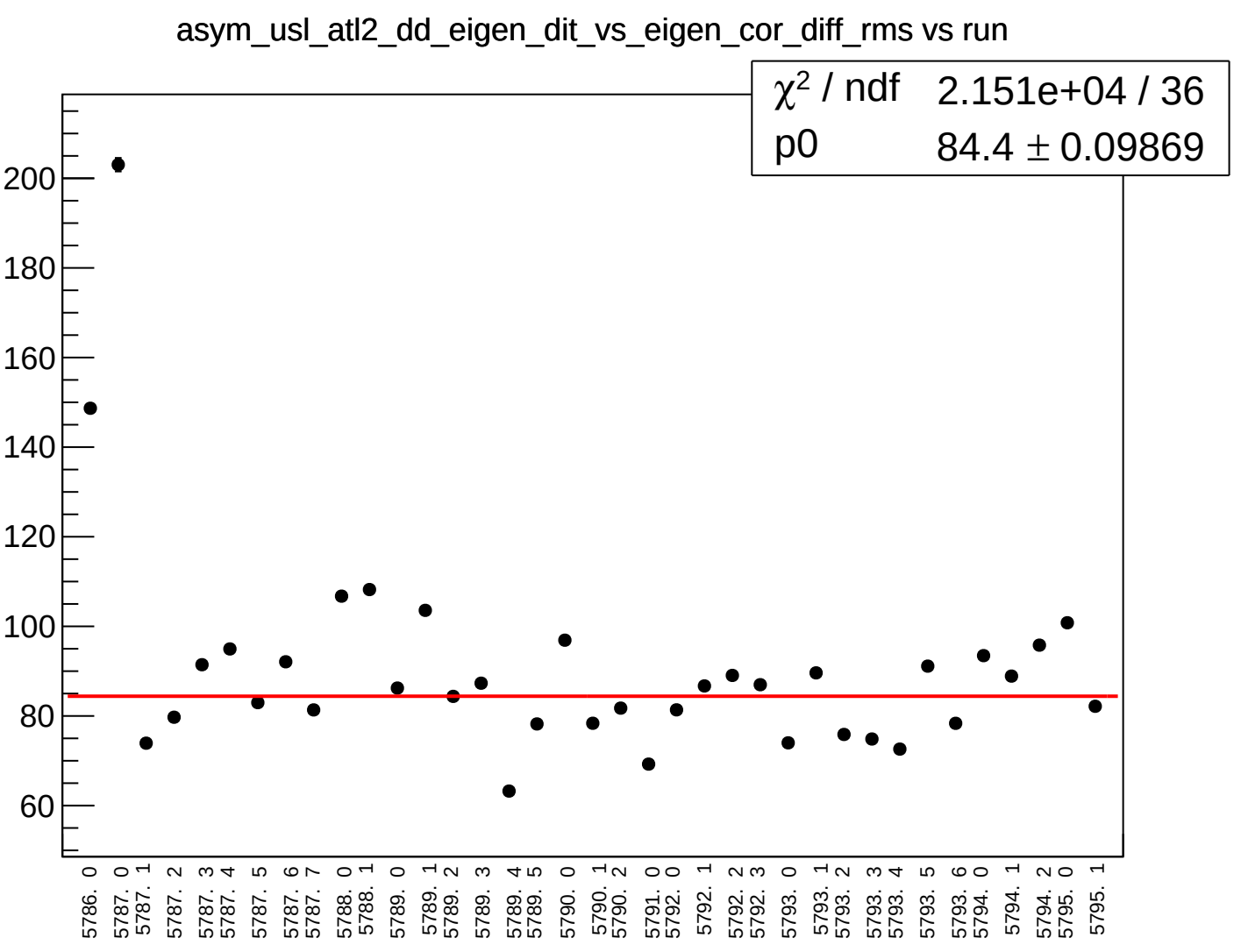

pull1D
Entries 37
Mean −0.008185
Std Dev 1.025
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

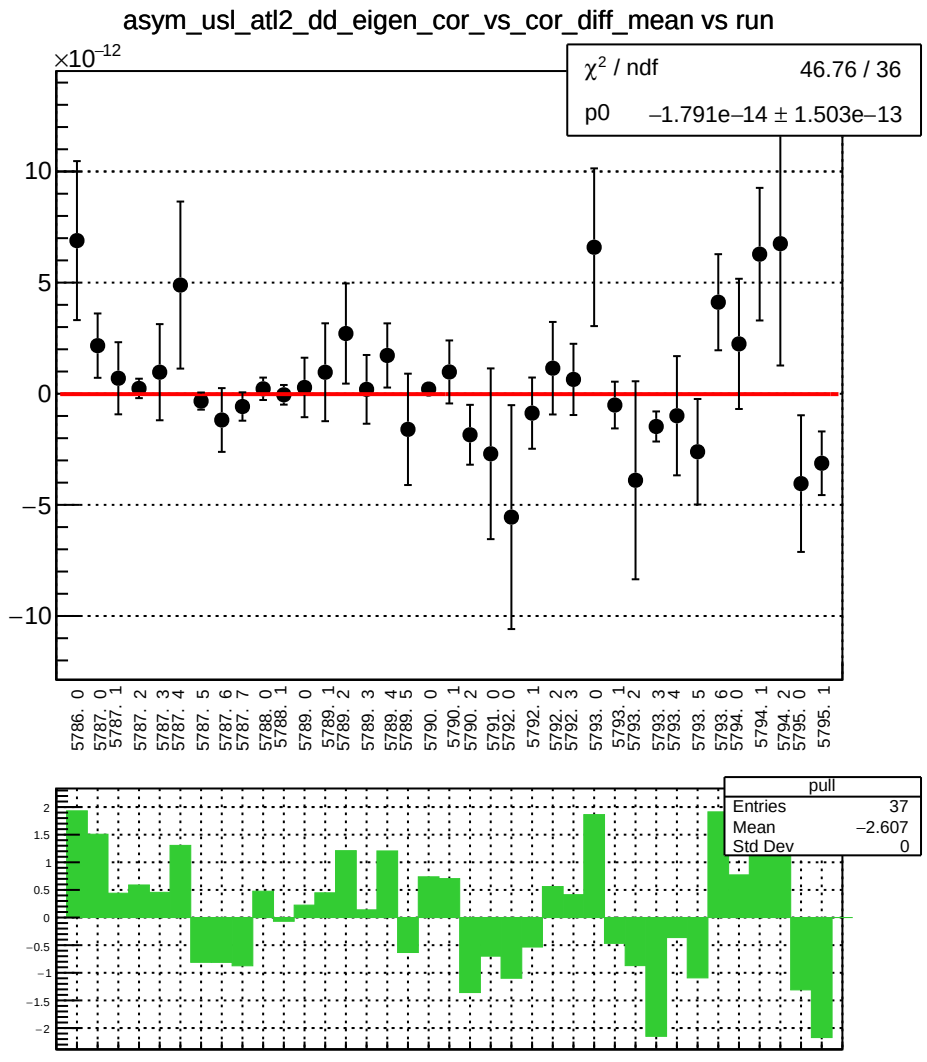

asym_usl_atl2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2535 / 36
p0 0.01007 ± 1.162e–05
0.0115
0.011
0.0105
0.01
0.0095
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

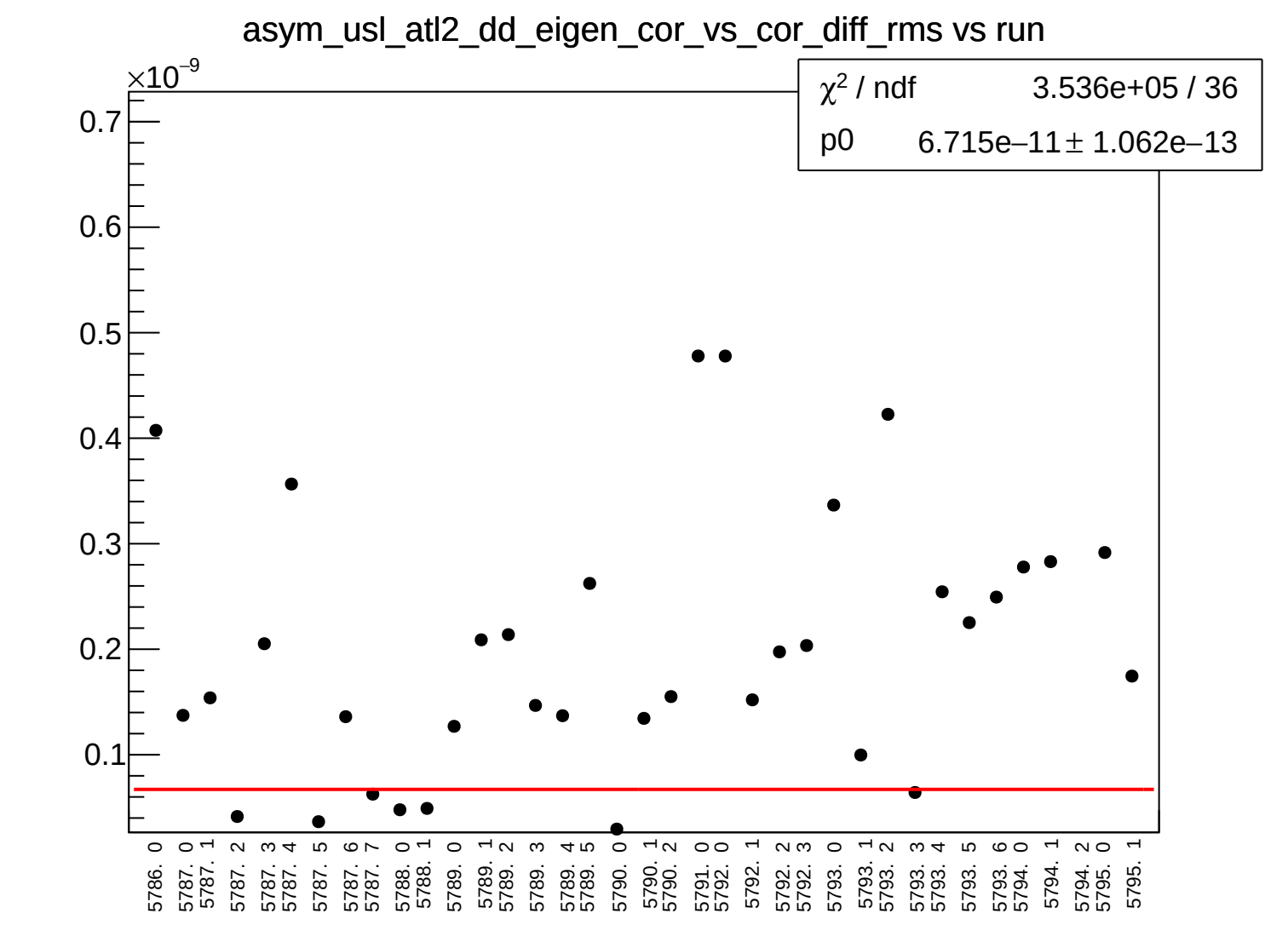

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 50.16 / 36
p0 −0.03657 ± 0.1396
pull
Entries 37
Mean −22.96
Std Dev 0
pull1D
Entries 37
Mean −0.08264
Std Dev 1.161

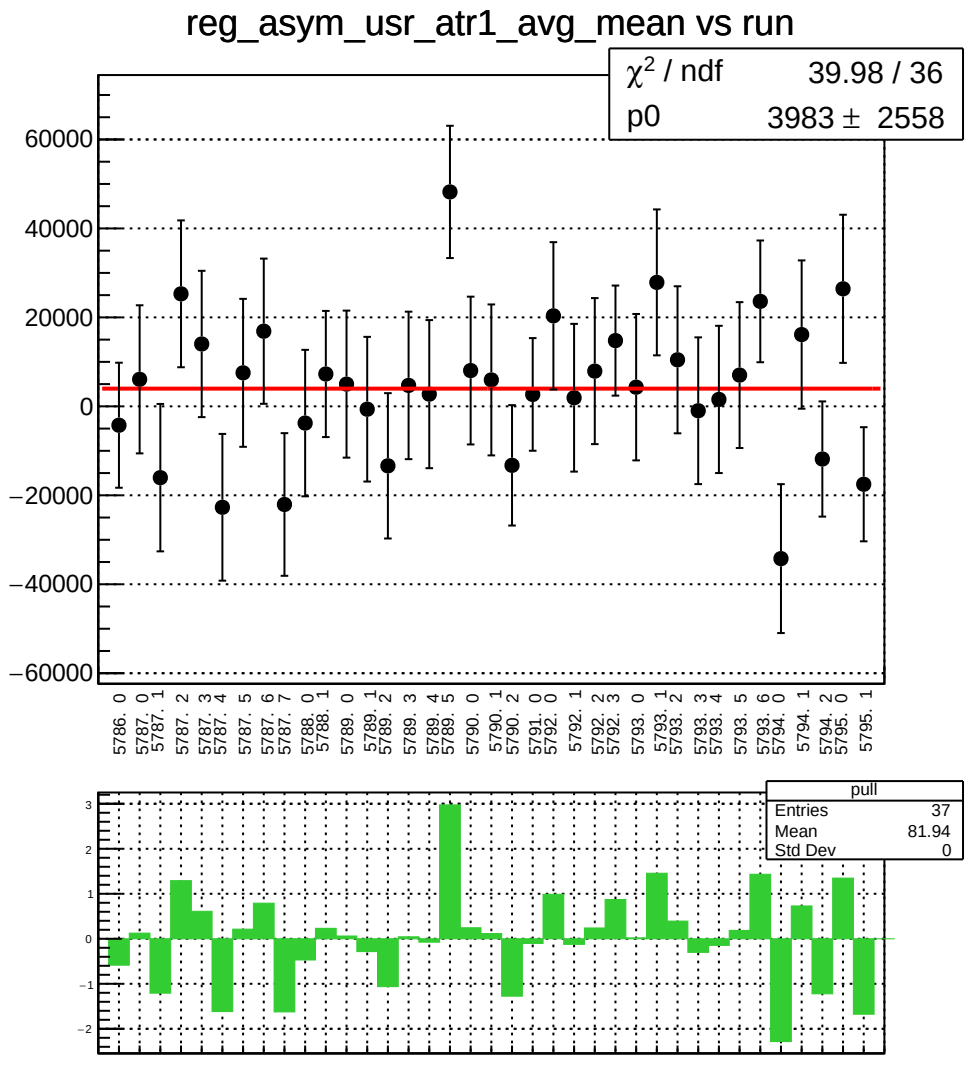

asym_usl_atl2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.151e+04 / 36
p0 84.4 ± 0.09869
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

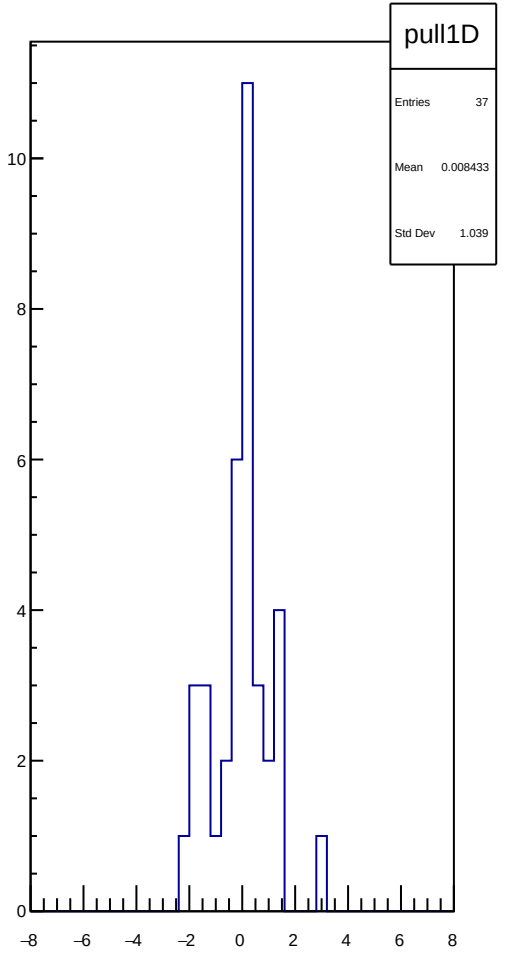

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 50.16 / 36
p0 −0.03657 ± 0.1396
pull
Entries 37
Mean −22.96
Std Dev 0
pull1D
Entries 37
Mean −0.08264
Std Dev 1.161

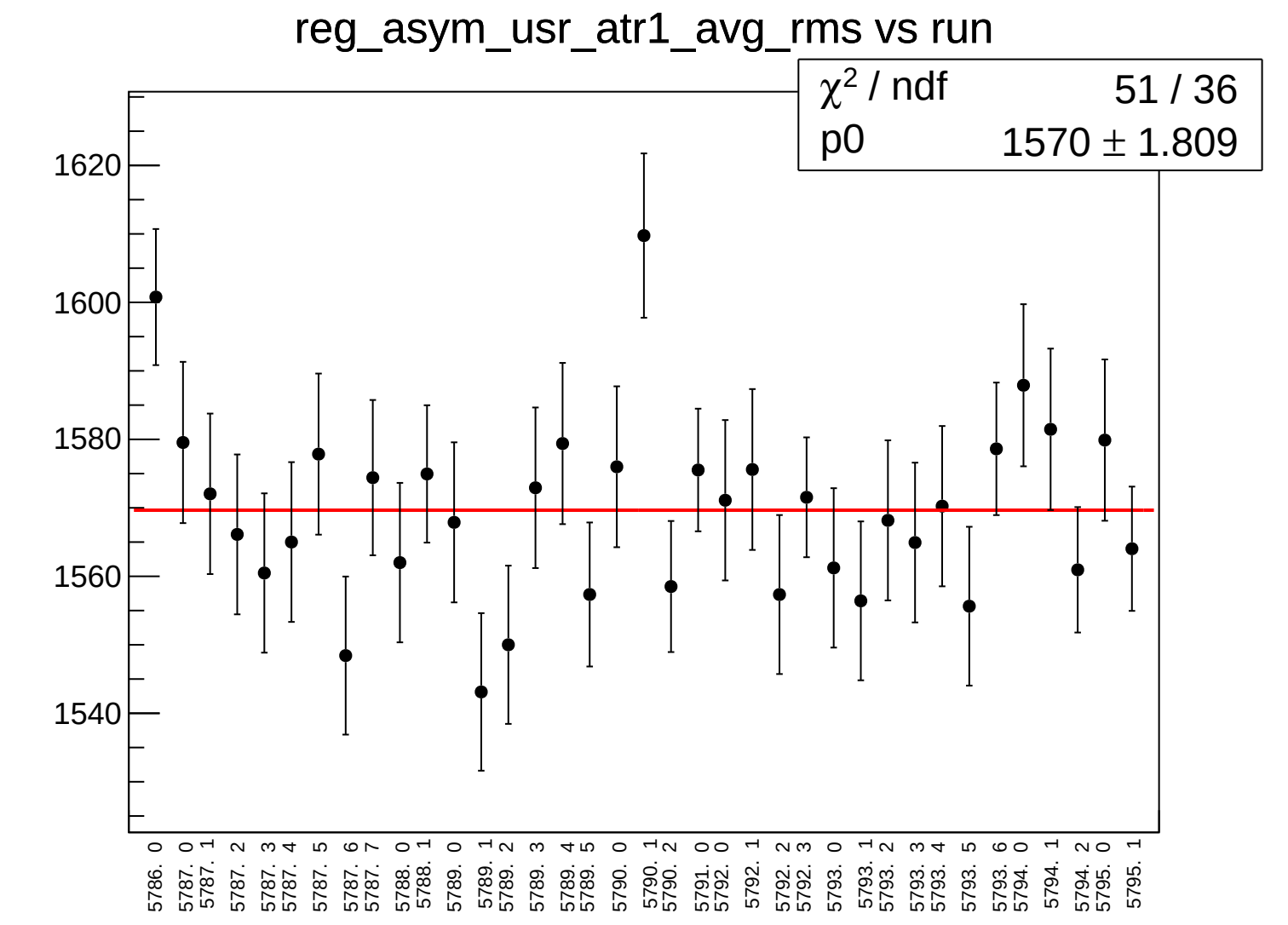

asym_usl_atl2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.151e+04 / 36
p0 84.4 ± 0.09869
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

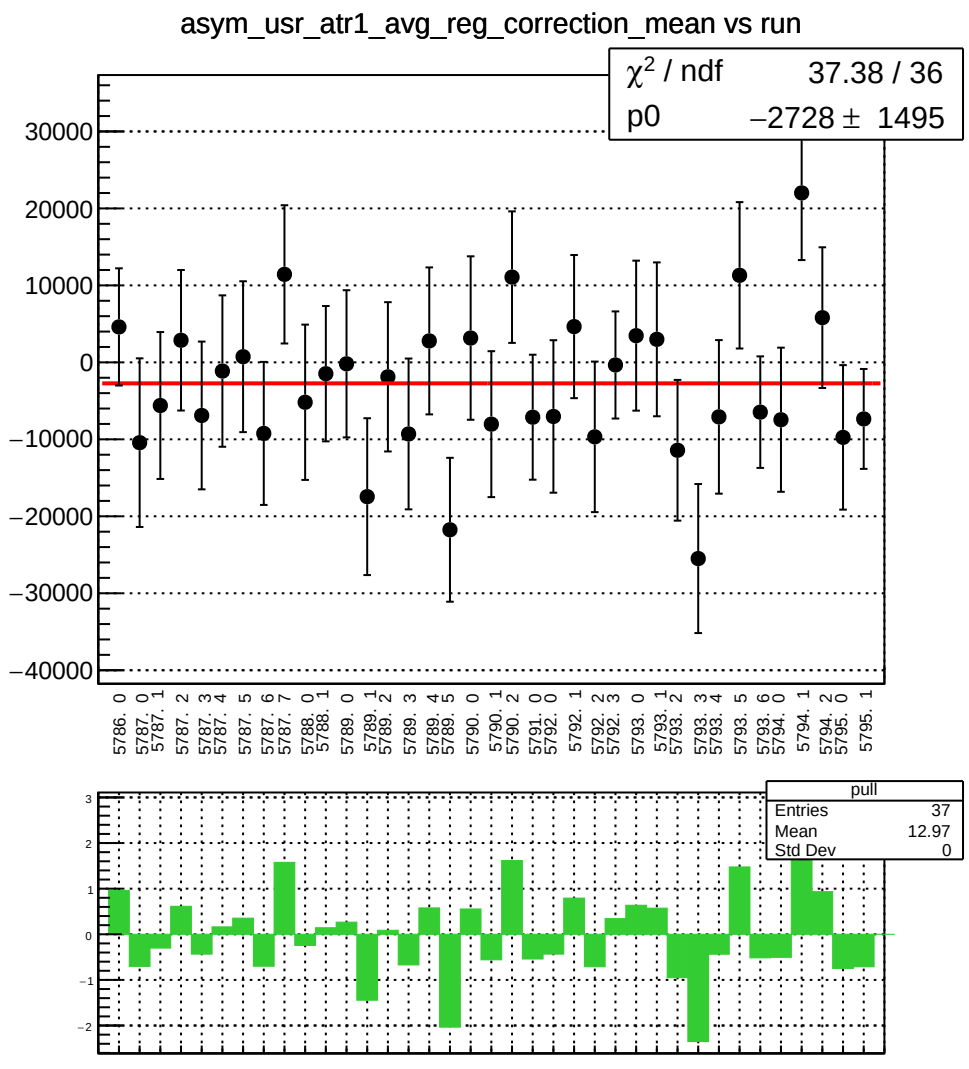

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.76 / 36
p0 −1.791e−14 ± 1.503e−13
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.607
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1335
Std Dev 1.116
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

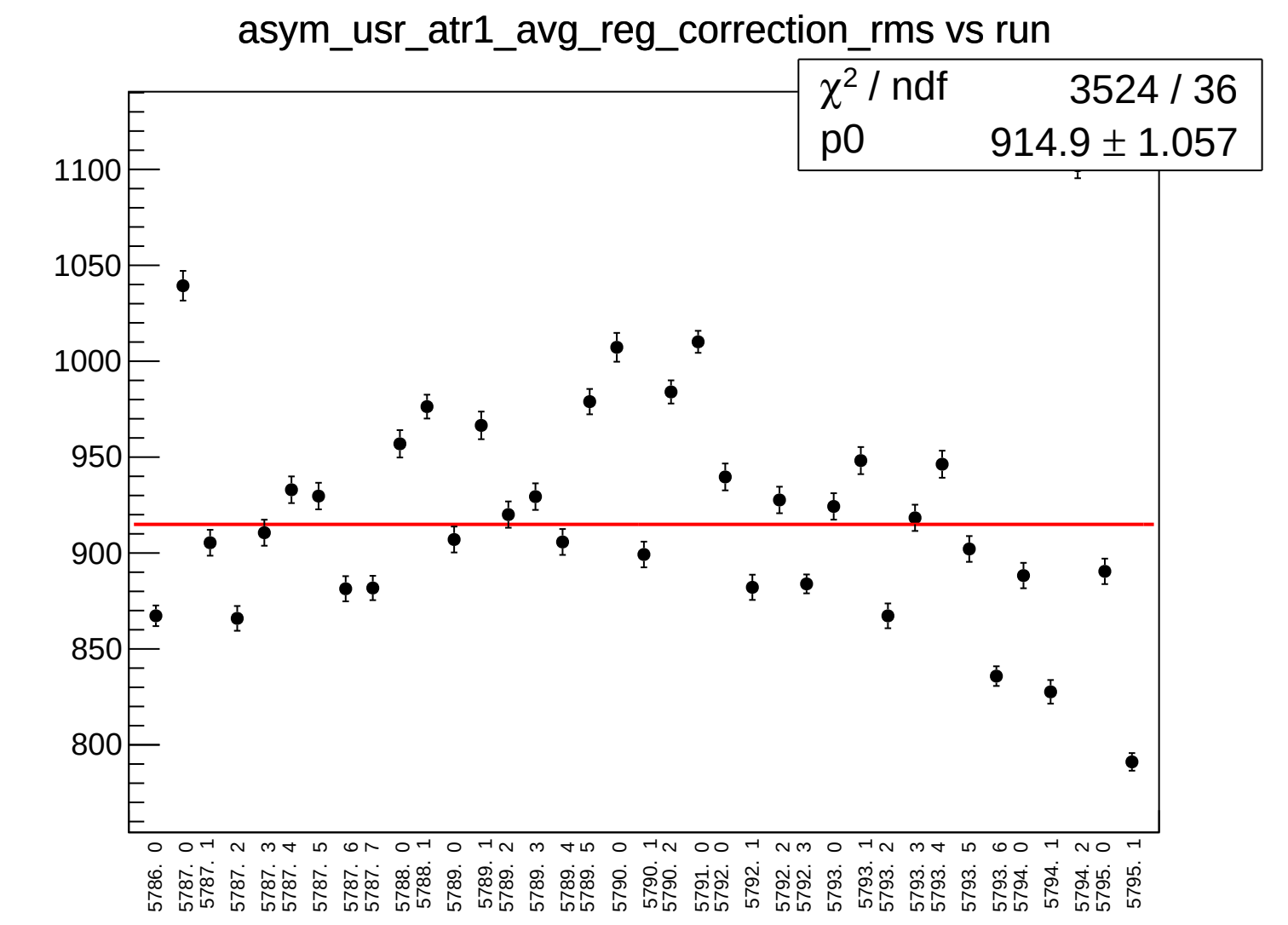

asym_usl_atl2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.536e+05 / 36
p0 6.715e−11 ± 1.062e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.98 / 36
p0 3983 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 81.94
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.008433
Std Dev 1.039
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 51 / 36
p0 1570 ± 1.809
1620
1600
1580
1560
1540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr1_avg_reg_correction_mean vs run
χ² / ndf 37.38 / 36
p0 −2728 ± 1495
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.97
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01347
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_reg_correction_rms vs run
χ² / ndf 3524 / 36
p0 914.9 ± 1.057
1100
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 4
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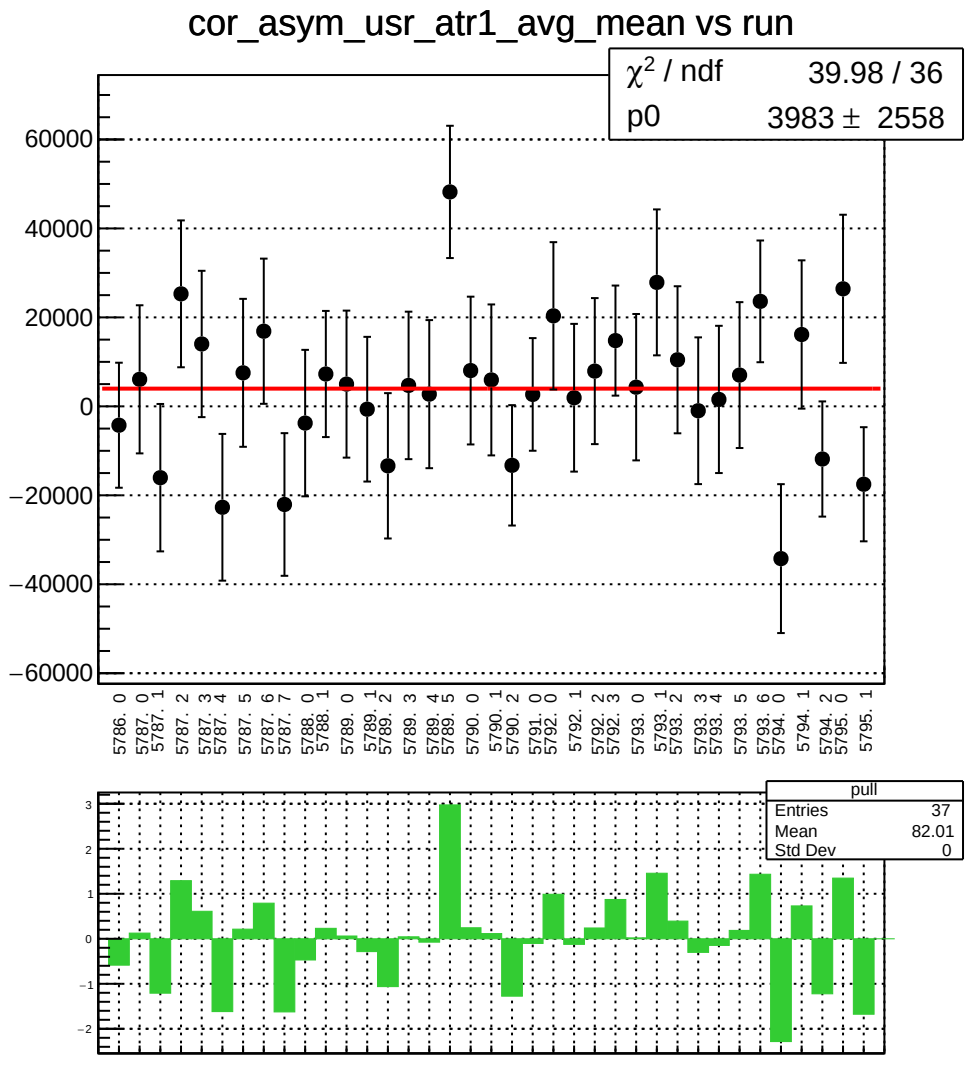
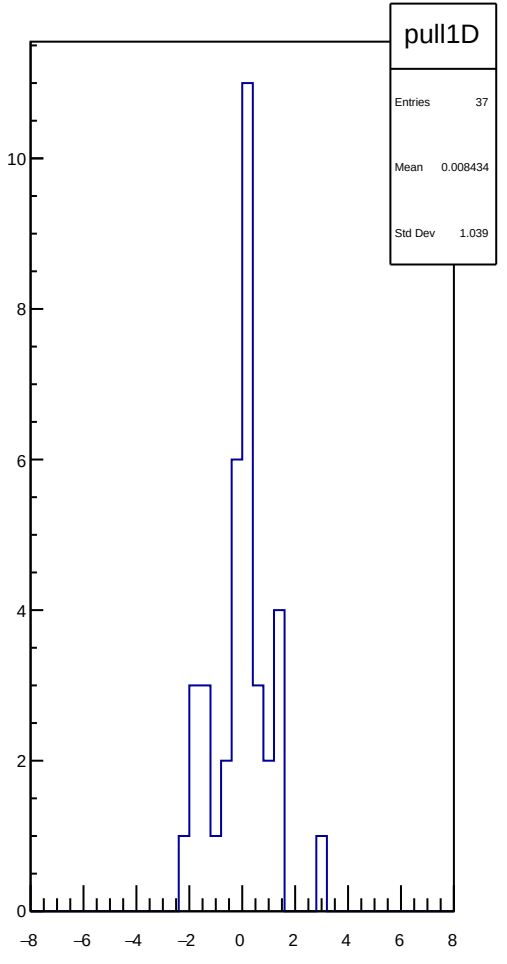
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.98 / 36
p0 3983 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 82.01
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.008434
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
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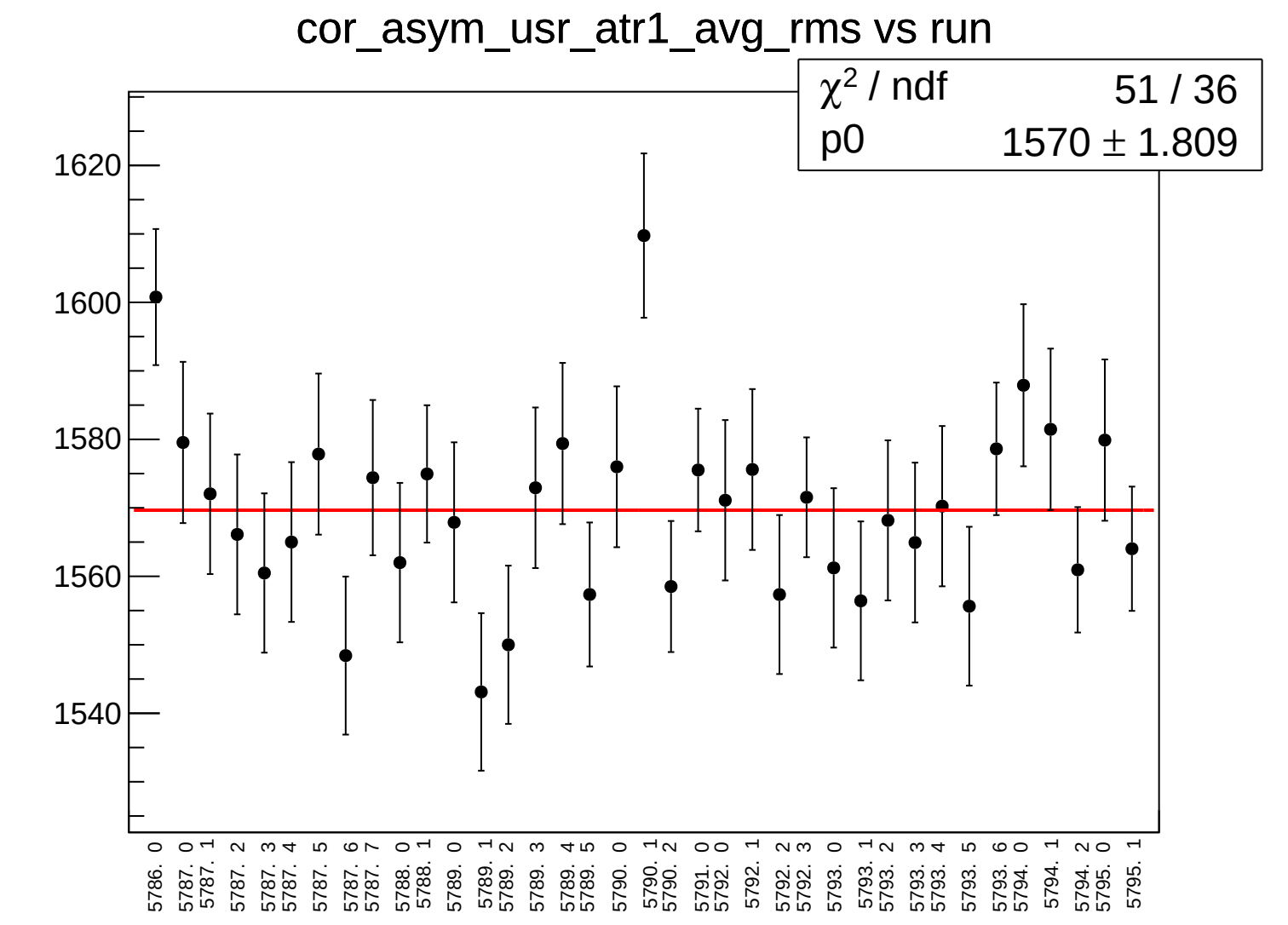
2
4
6
8


cor_asym_usr_atr1_avg_rms vs run
χ² / ndf 51 / 36
p0 1570 ± 1.809
1620
1600
1580
1560
1540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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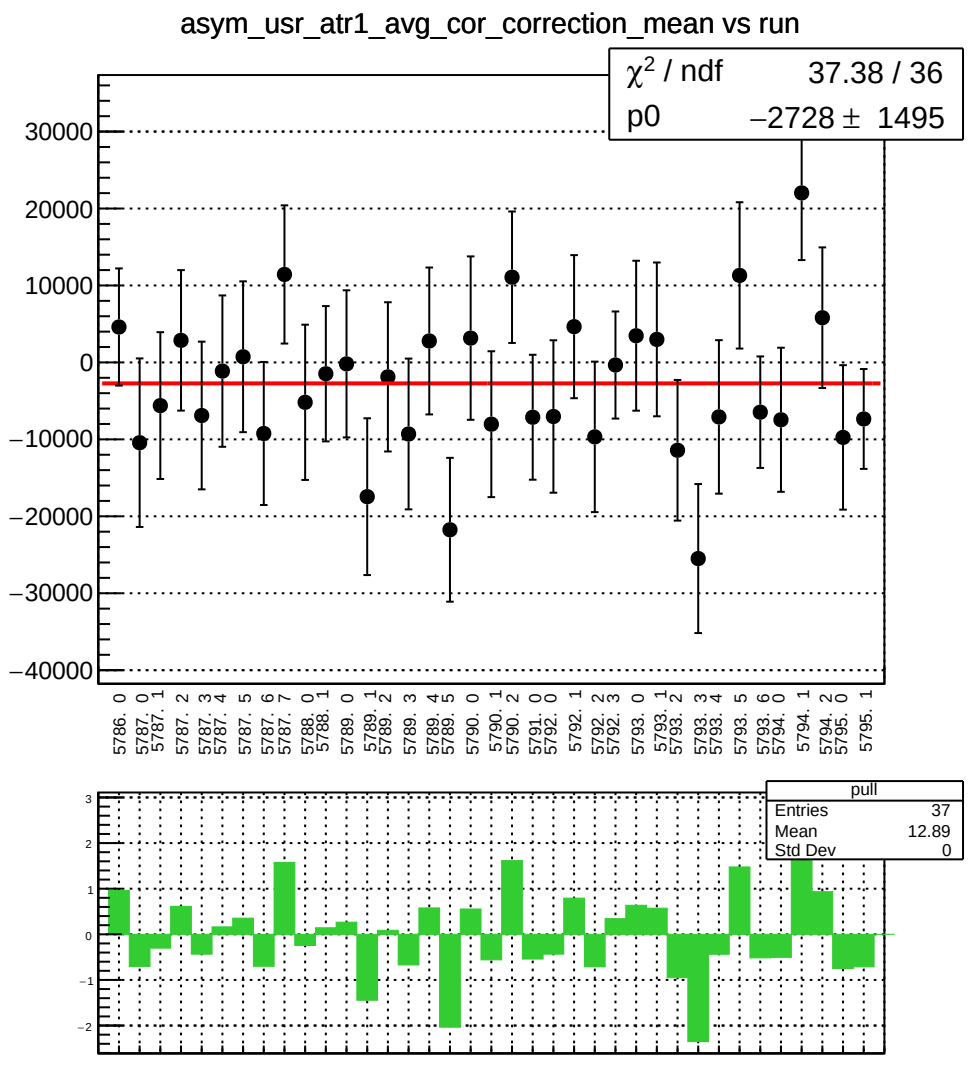
5795. 0
5795. 1


asym_usr_atr1_avg_cor_correction_mean vs run
χ² / ndf 37.38 / 36
p0 −2728 ± 1495
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
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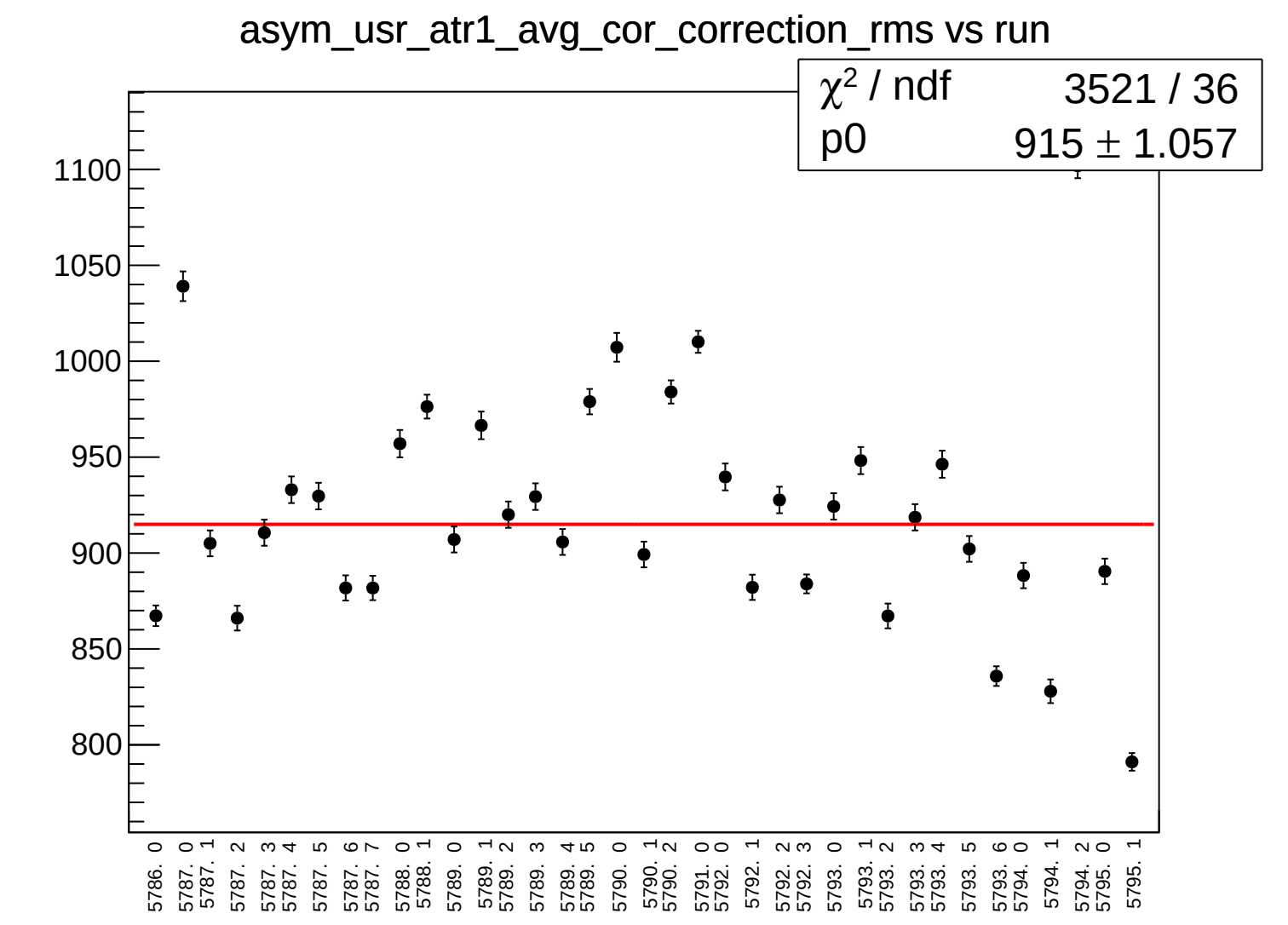
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.89
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01346
Std Dev 1.005
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr1_avg_cor_correction_rms vs run
χ² / ndf 3521 / 36
p0 915 ± 1.057
1100
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5792. 2
5792. 3
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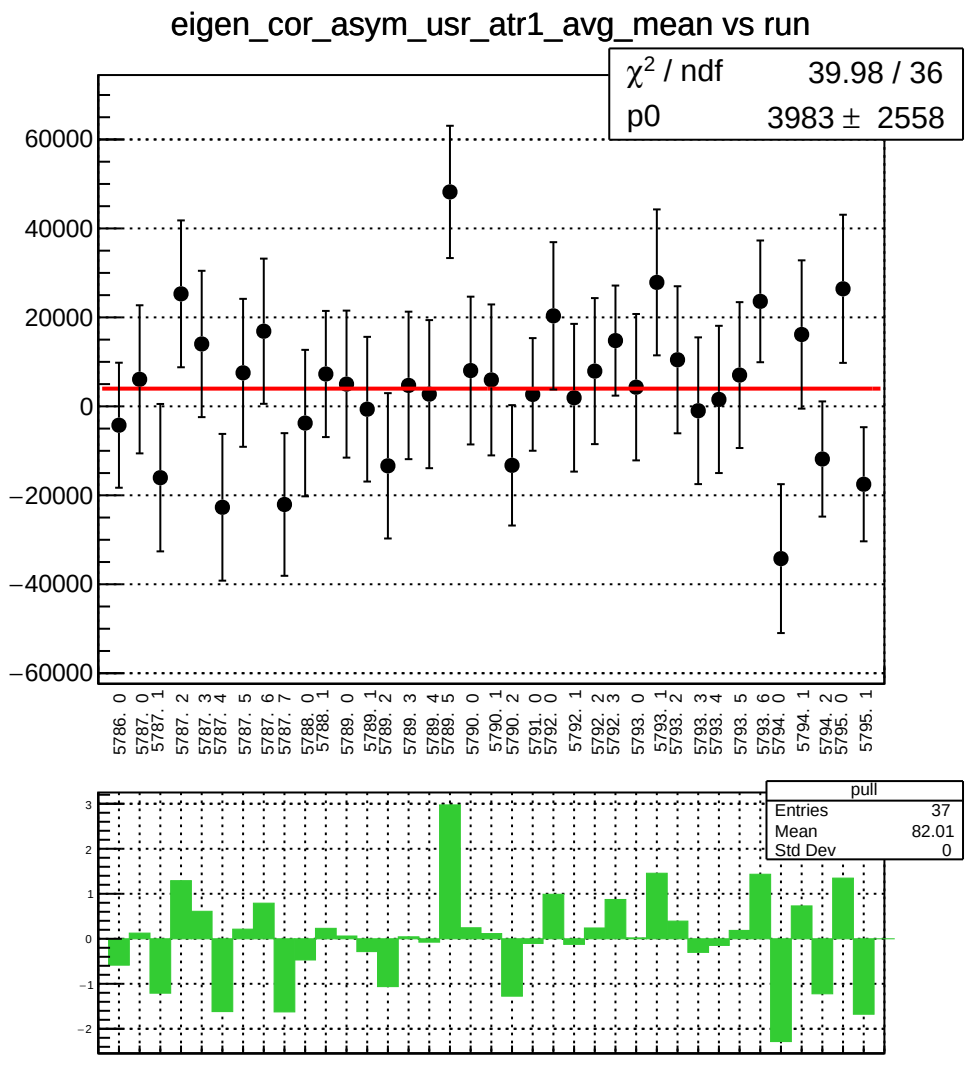
eigen_cor_asym_usr_atr1_avg_mean vs run
χ² / ndf 39.98 / 36
p0 3983 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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5794. 2
5795. 0
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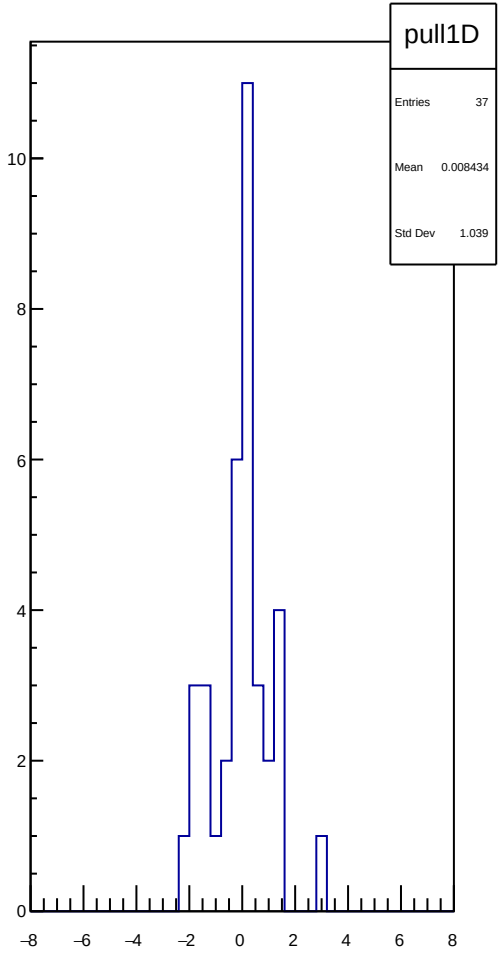
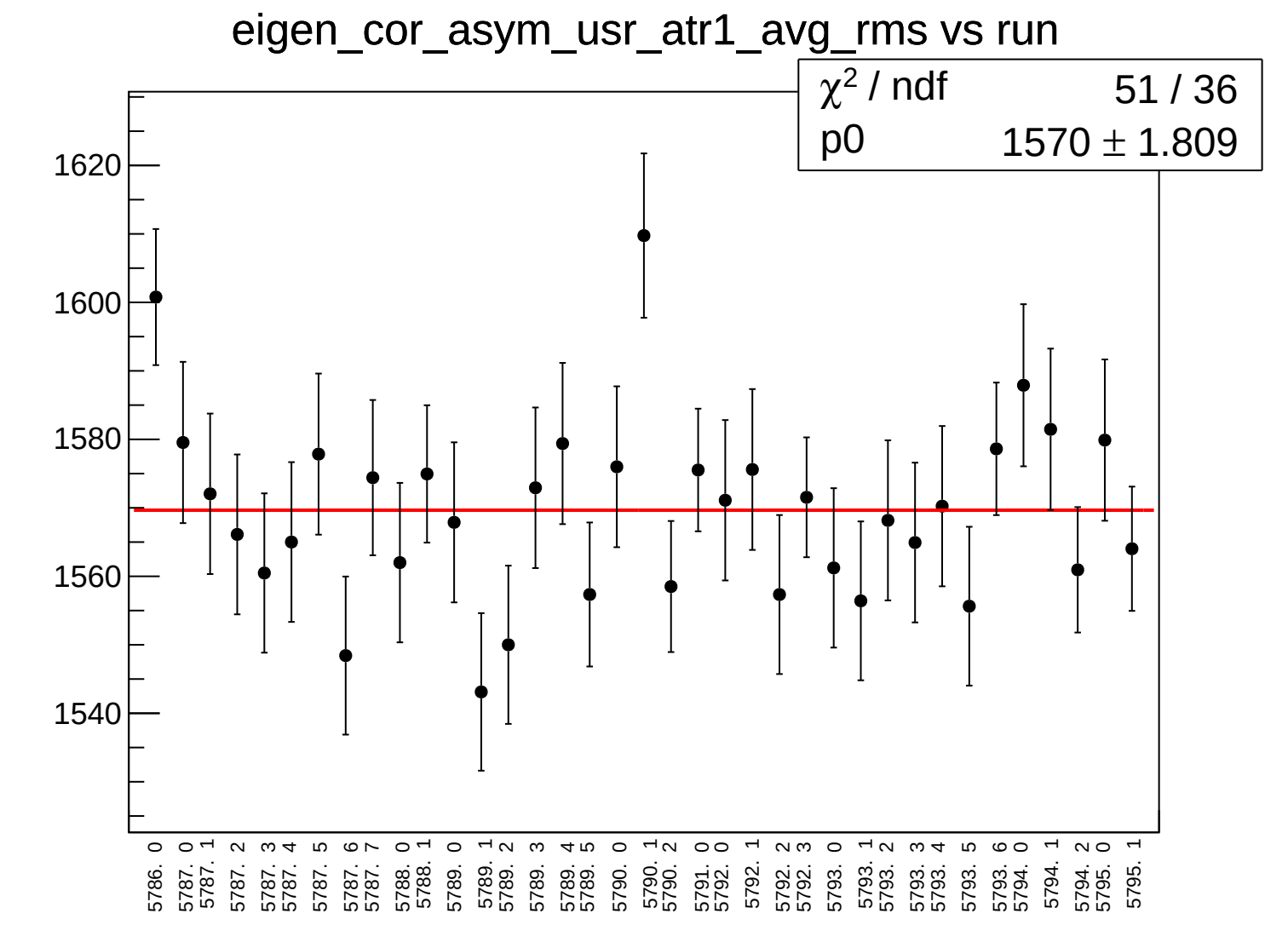
pull
Entries 37
Mean 82.01
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.008434
Std Dev 1.039
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 51 / 36
p0 1570 ± 1.809
1620
1600
1580
1560
1540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 0
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5789. 4
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5790. 2
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5792. 2
5792. 3
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5793. 6
5794. 0
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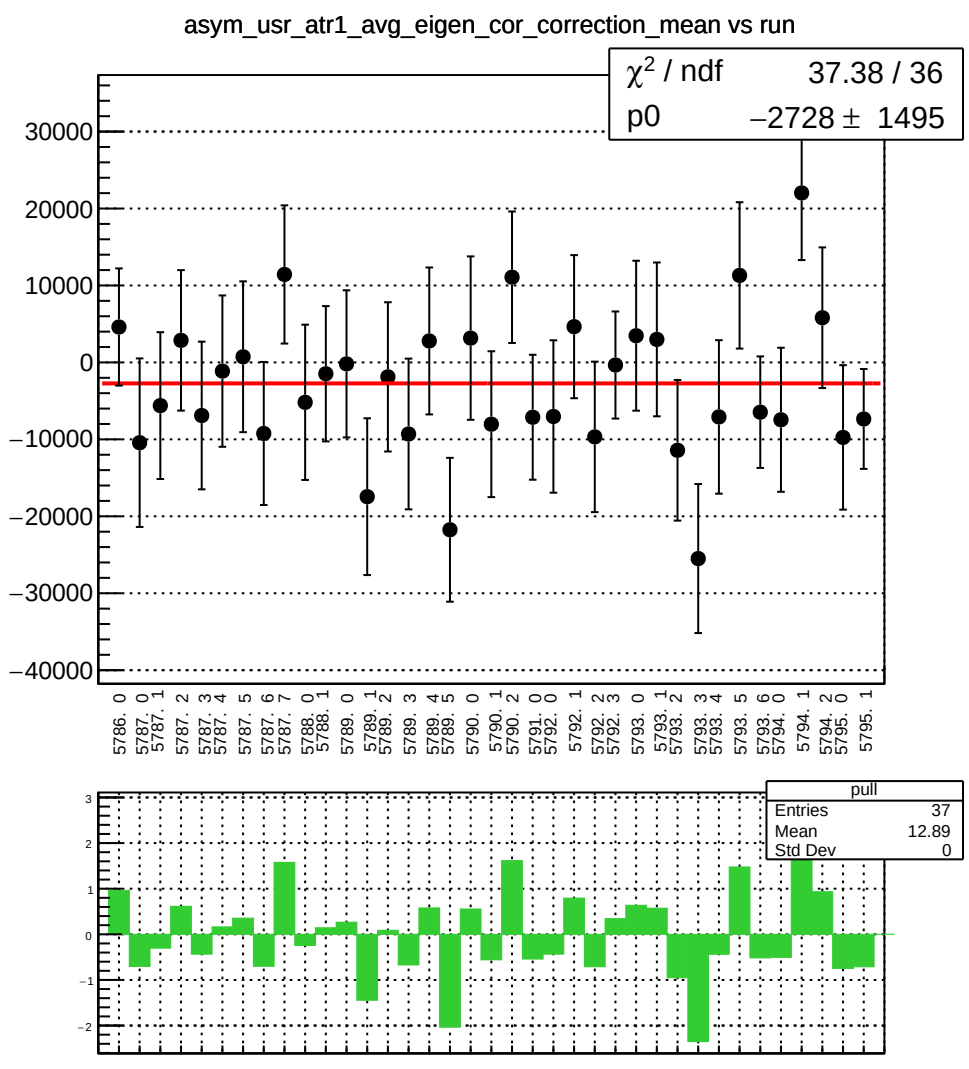
5795. 0
5795. 1


asym_usr_atr1_avg_eigen_cor_correction_mean vs run
χ² / ndf 37.38 / 36
p0 −2728 ± 1495
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.89
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01346
Std Dev 1.005
12
10
8
6
4
2
0
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−4
−2
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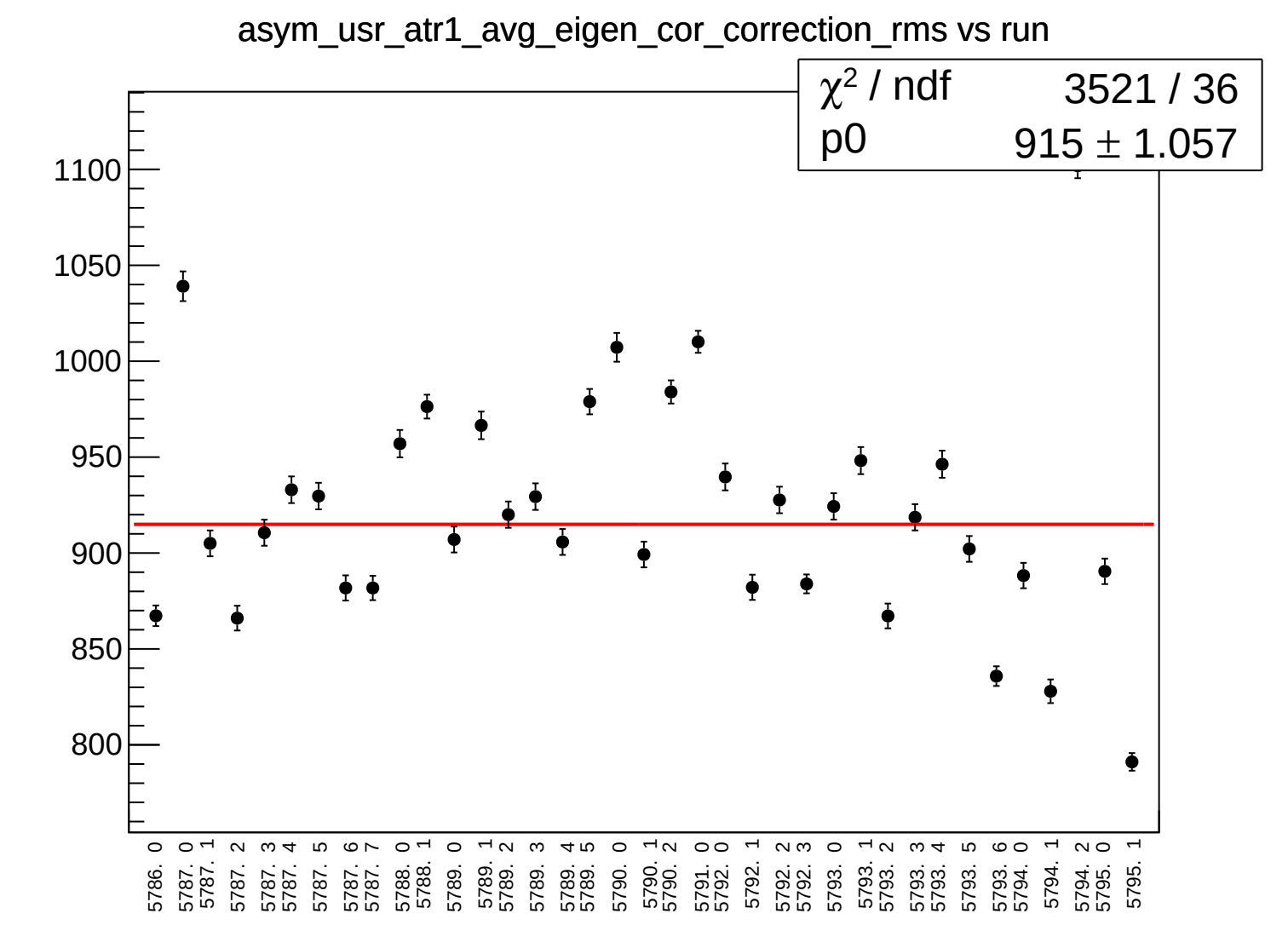
2
4
6
8


asym_usr_atr1_avg_eigen_cor_correction_rms vs run
χ² / ndf 3521 / 36
p0 915 ± 1.057
1100
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5795. 0
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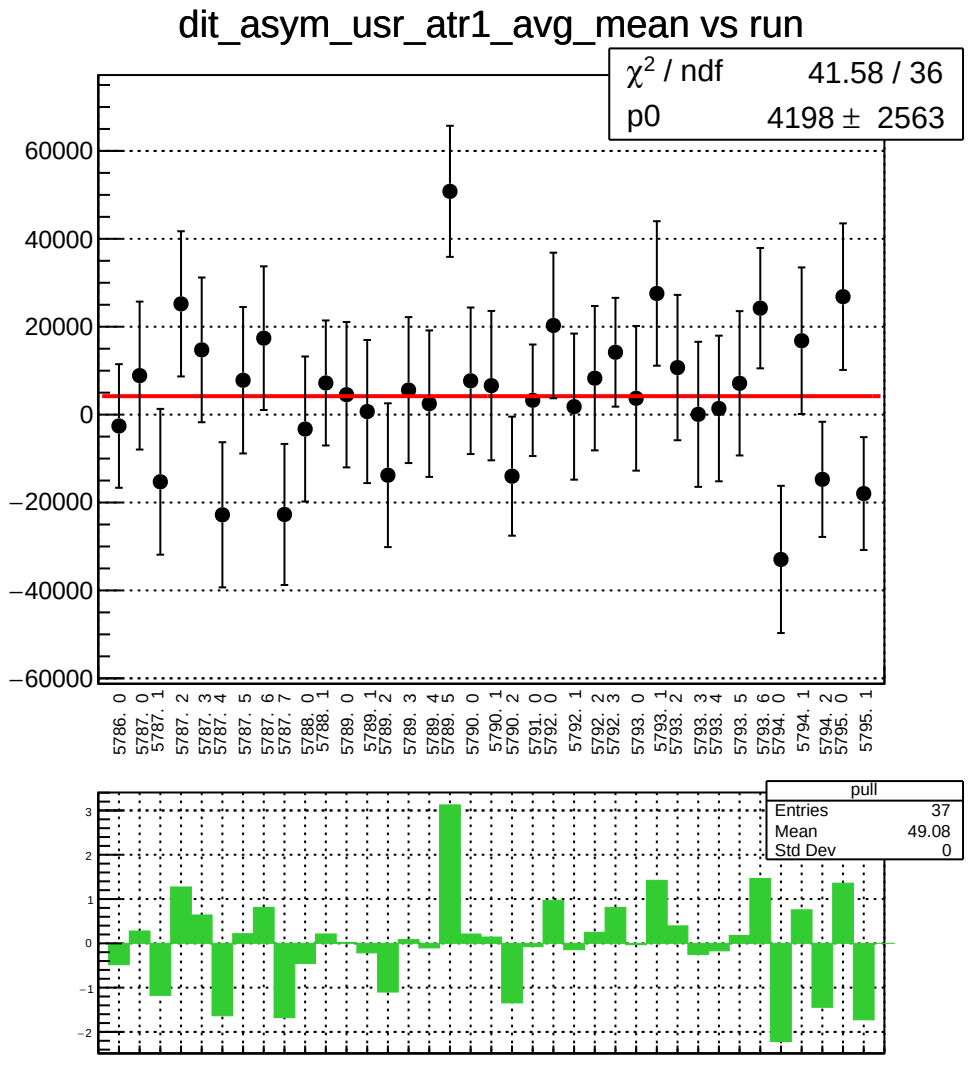
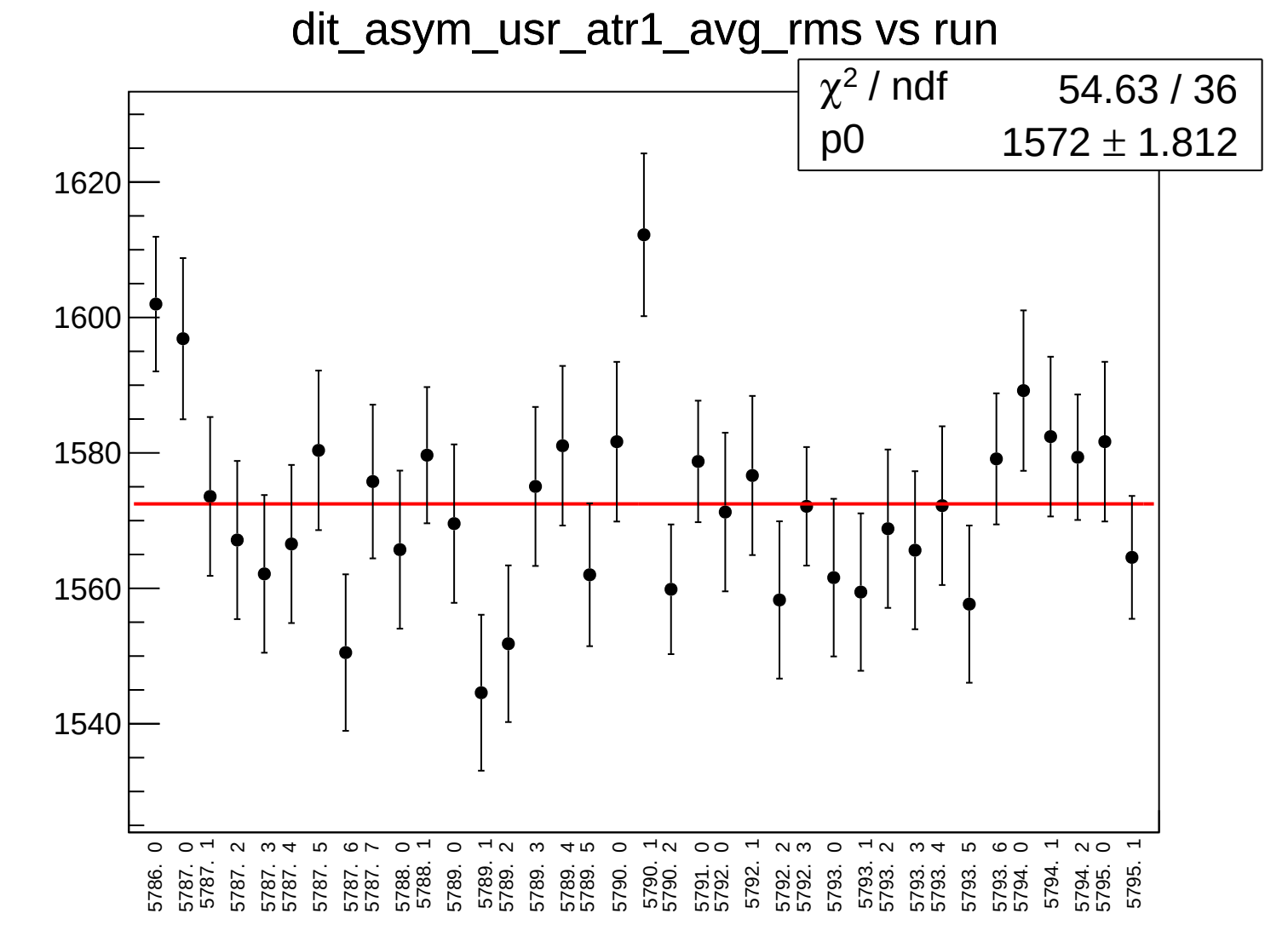

dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 41.58 / 36
p0 4198 ± 2563
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 49.08
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01009
Std Dev 1.06
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 54.63 / 36
p0 1572 ± 1.812
1620
1600
1580
1560
1540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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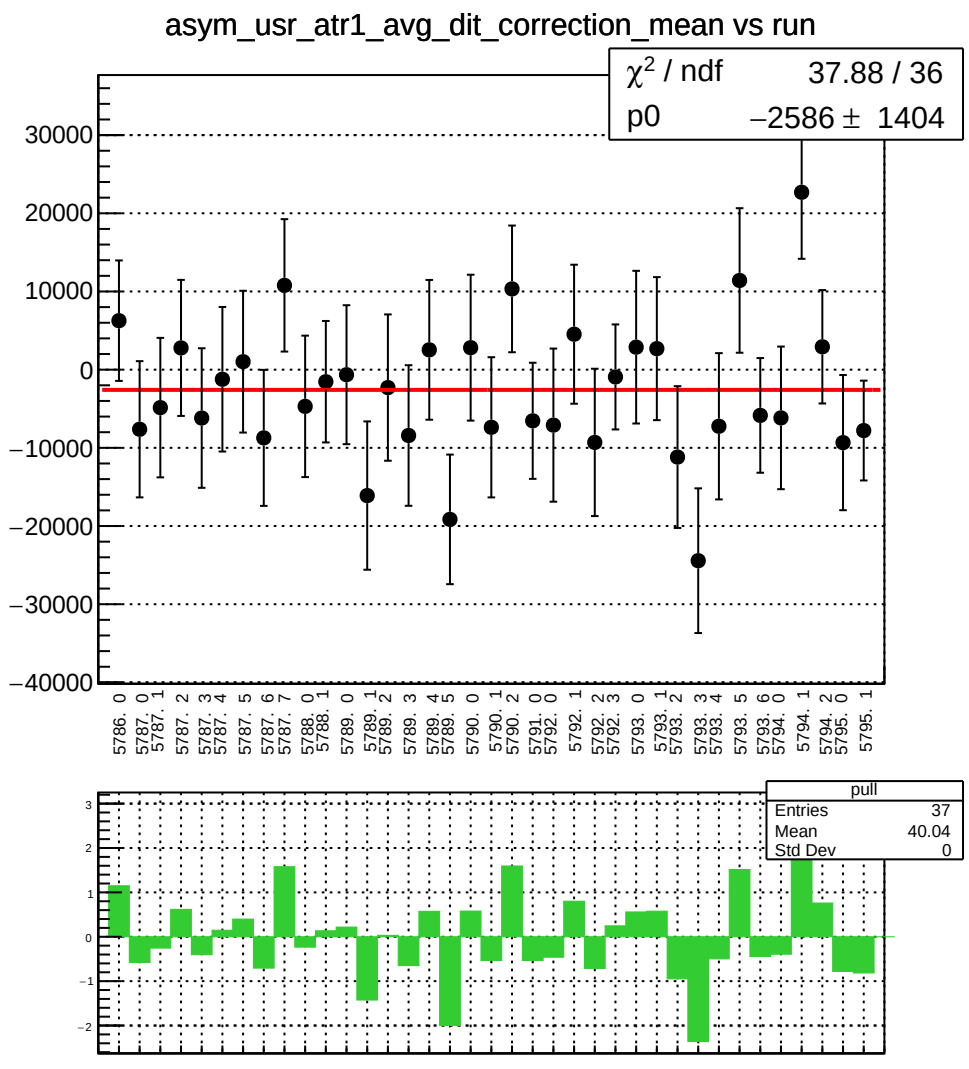
5795. 1


asym_usr_atr1_avg_dit_correction_mean vs run
χ² / ndf 37.88 / 36
p0 −2586 ± 1404
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
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5790. 2
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5792. 2
5792. 3
5793. 0
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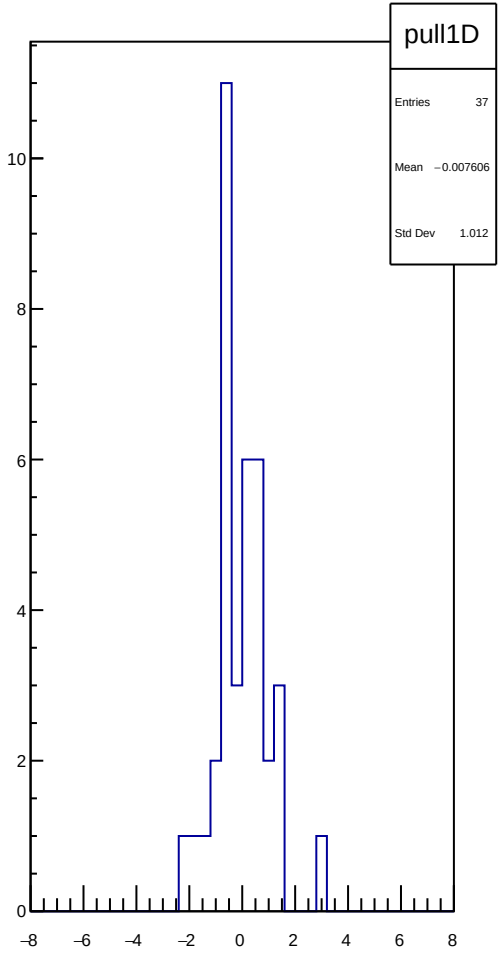
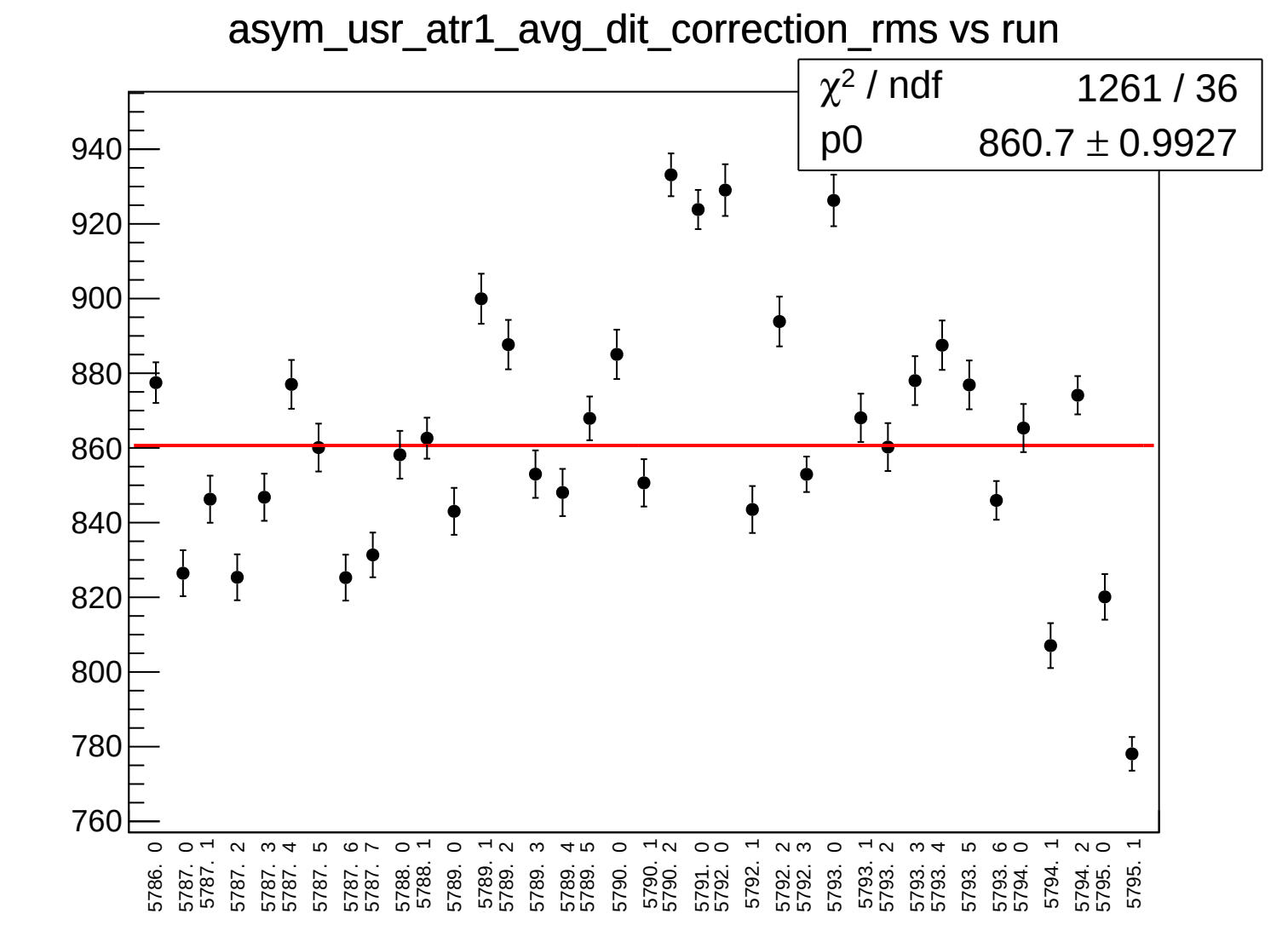
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.04
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.007606
Std Dev 1.012
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 1261 / 36
p0 860.7 ± 0.9927
940
920
900
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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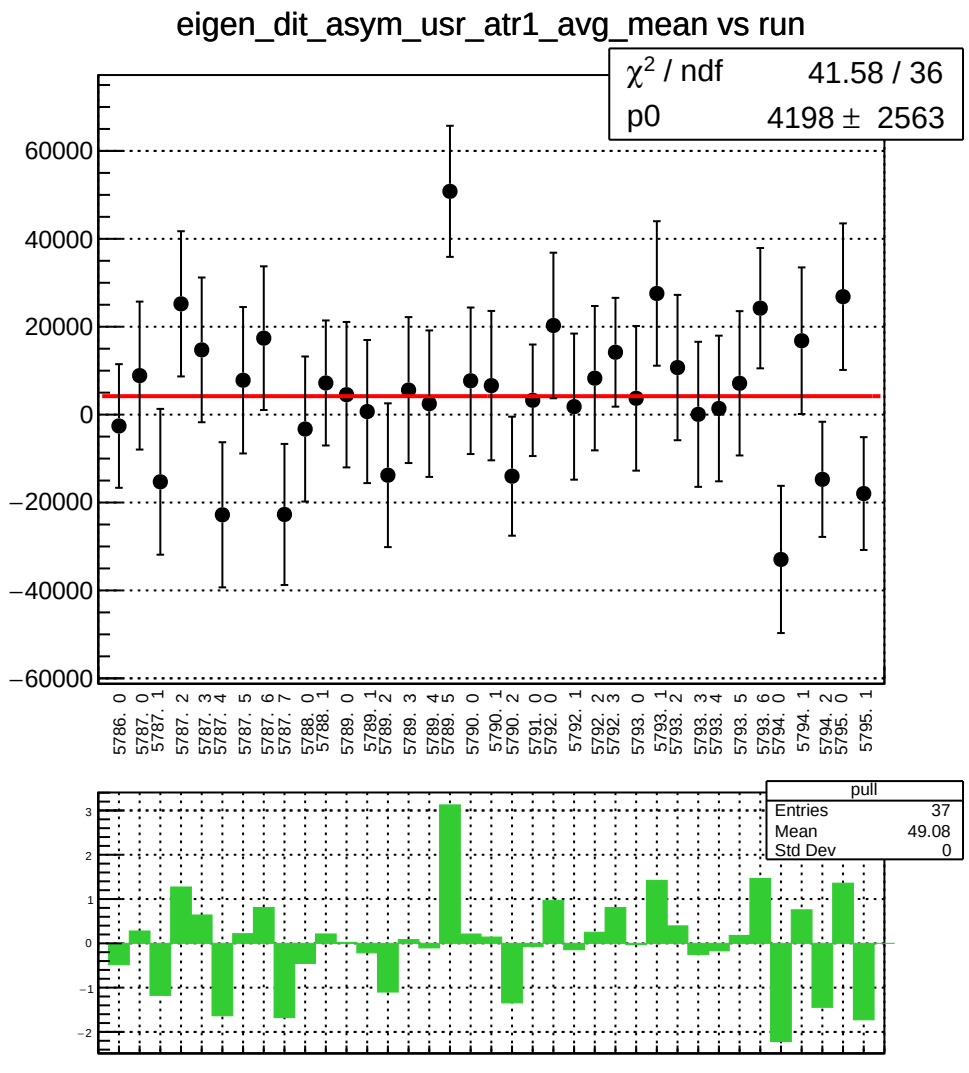
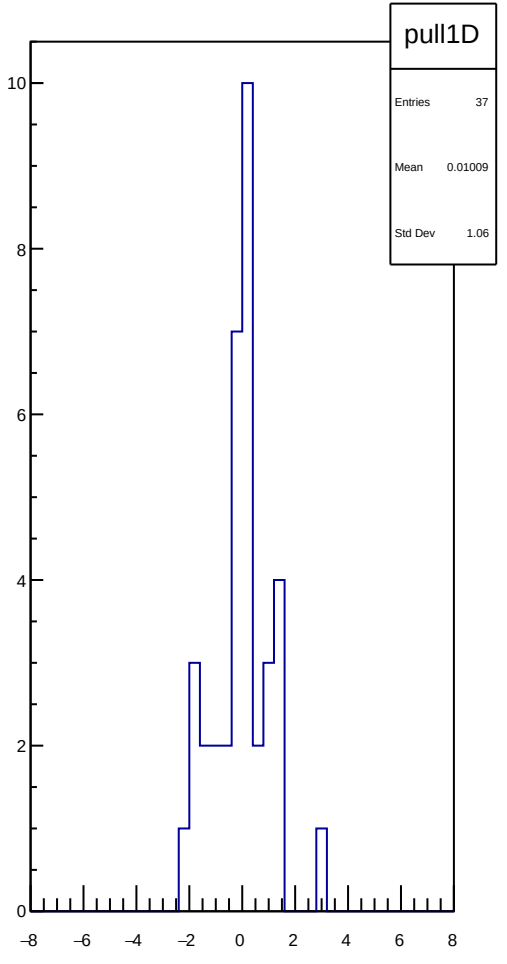
5795. 1


eigen_dit_asym_usr_atr1_avg_mean vs run
χ² / ndf 41.58 / 36
p0 4198 ± 2563
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 49.08
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01009
Std Dev 1.06
10
8
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4
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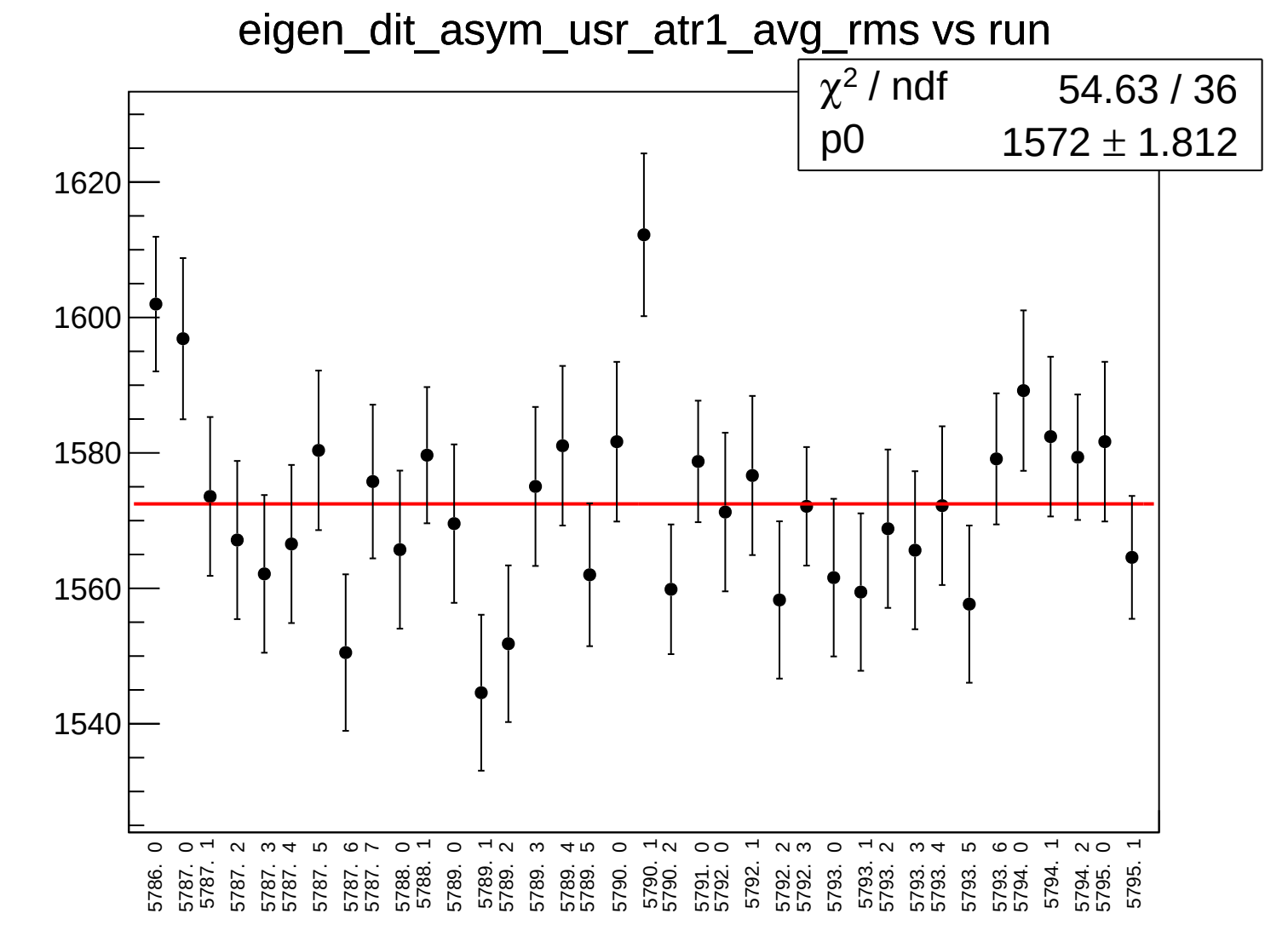
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr1_avg_rms vs run
χ² / ndf 54.63 / 36
p0 1572 ± 1.812
1620
1600
1580
1560
1540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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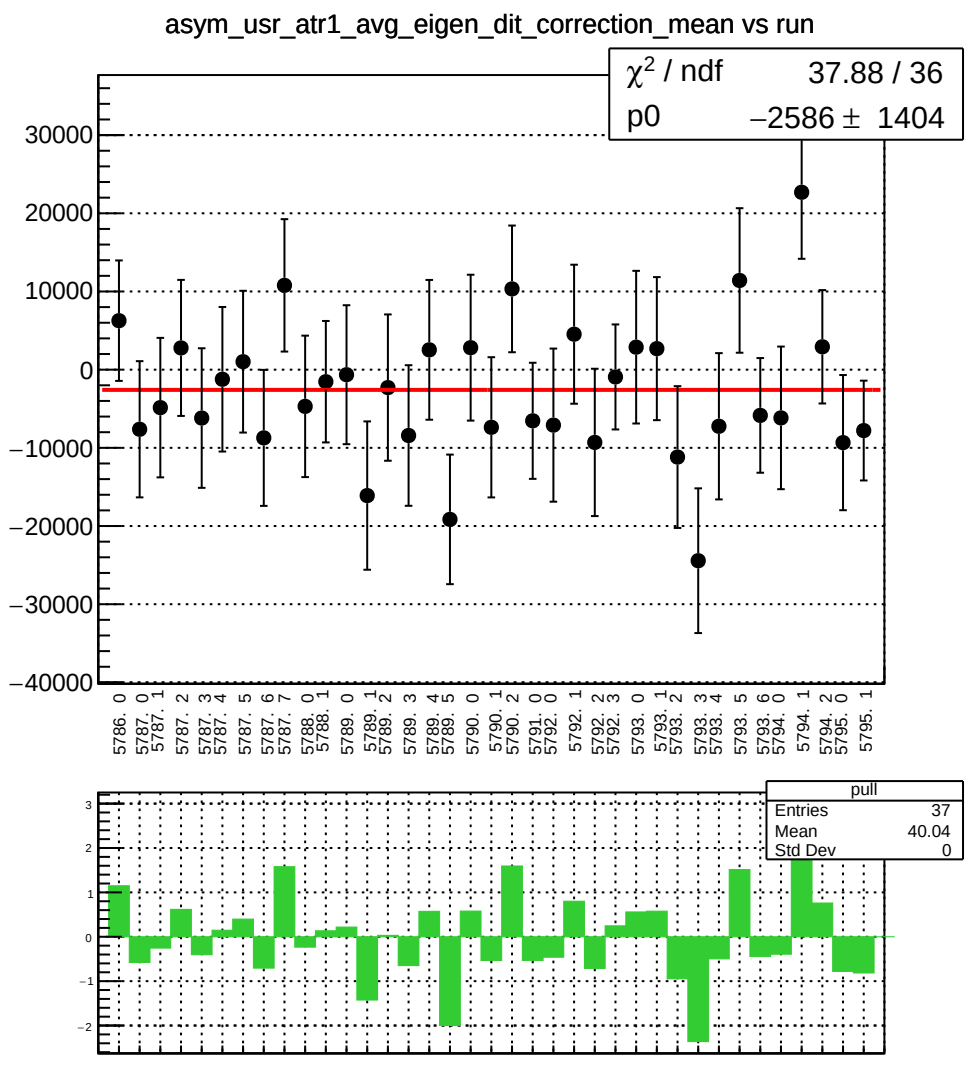
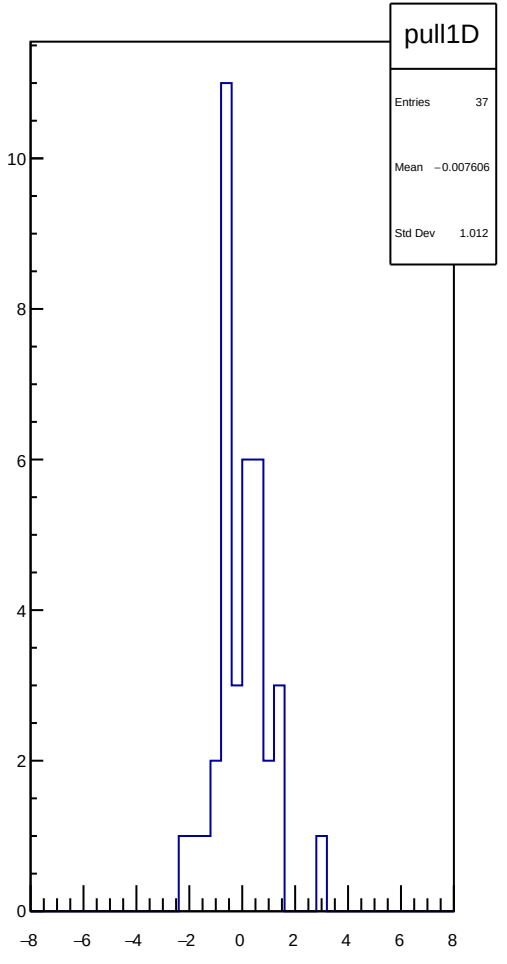
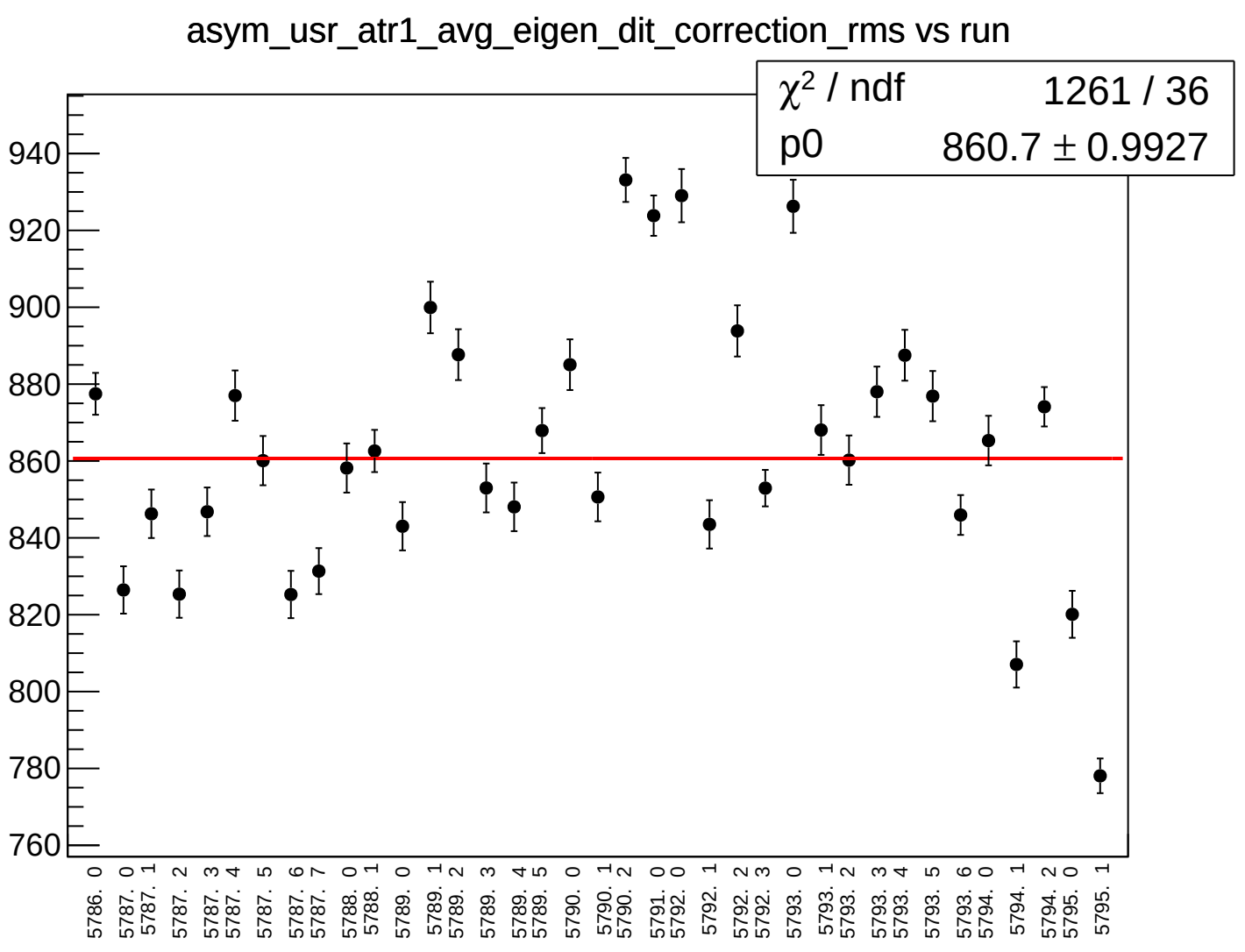
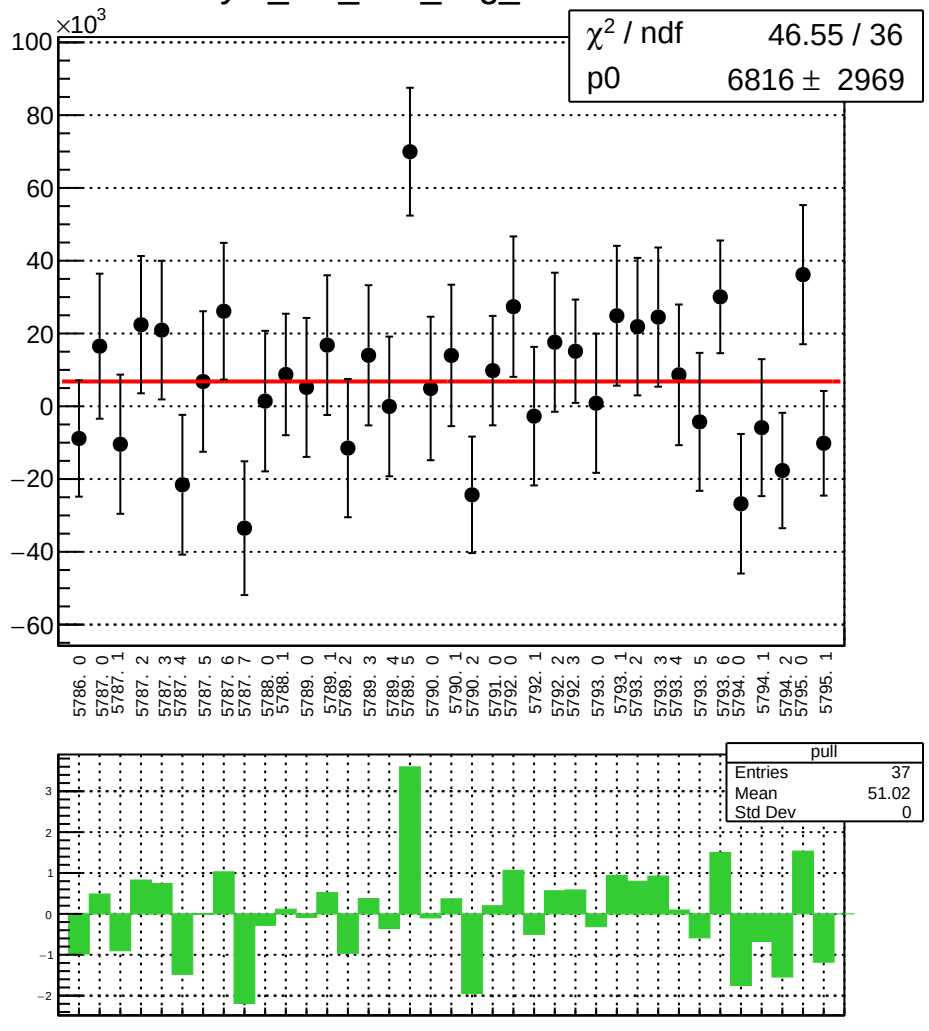
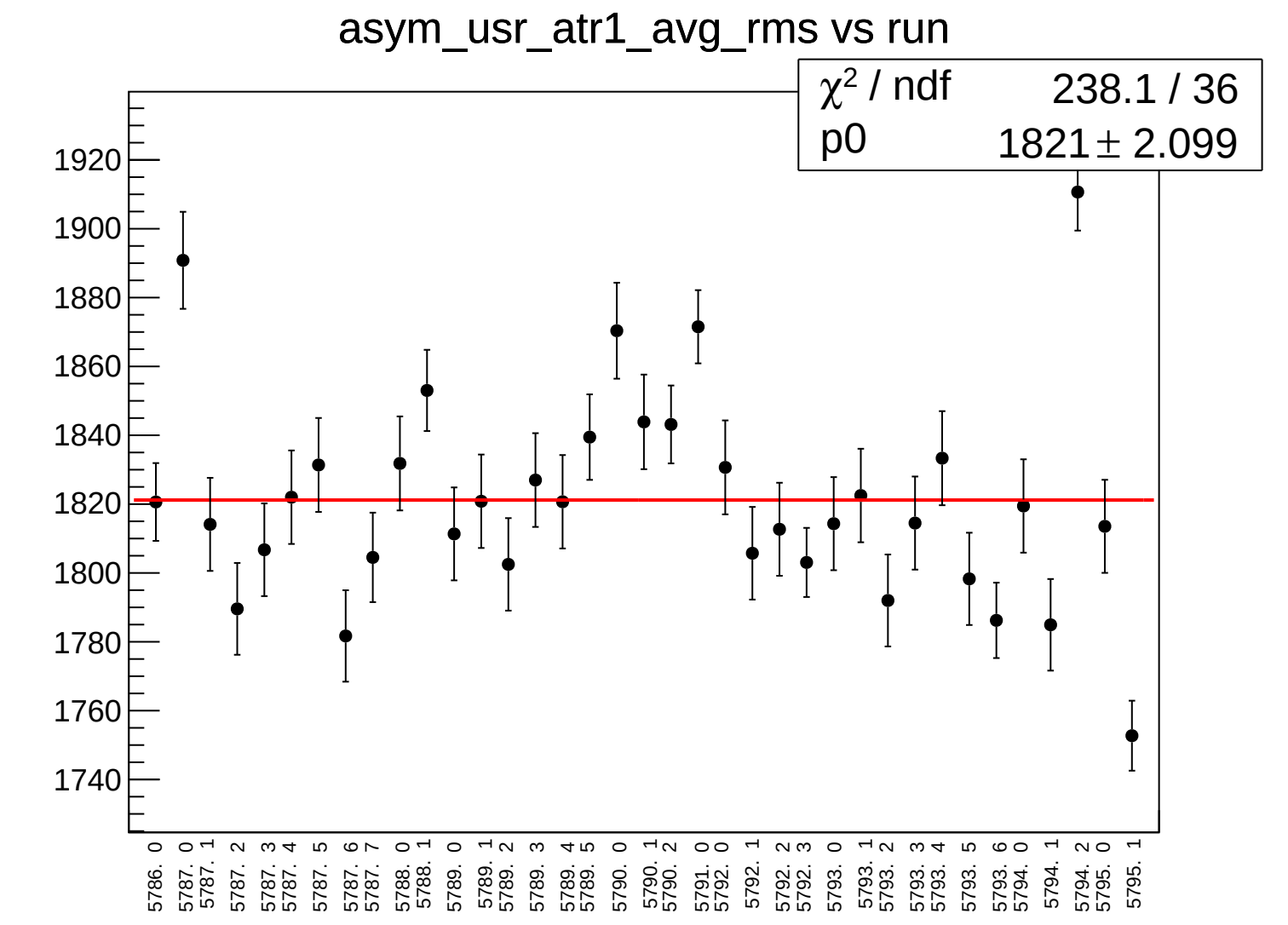
5795. 0
5795. 1

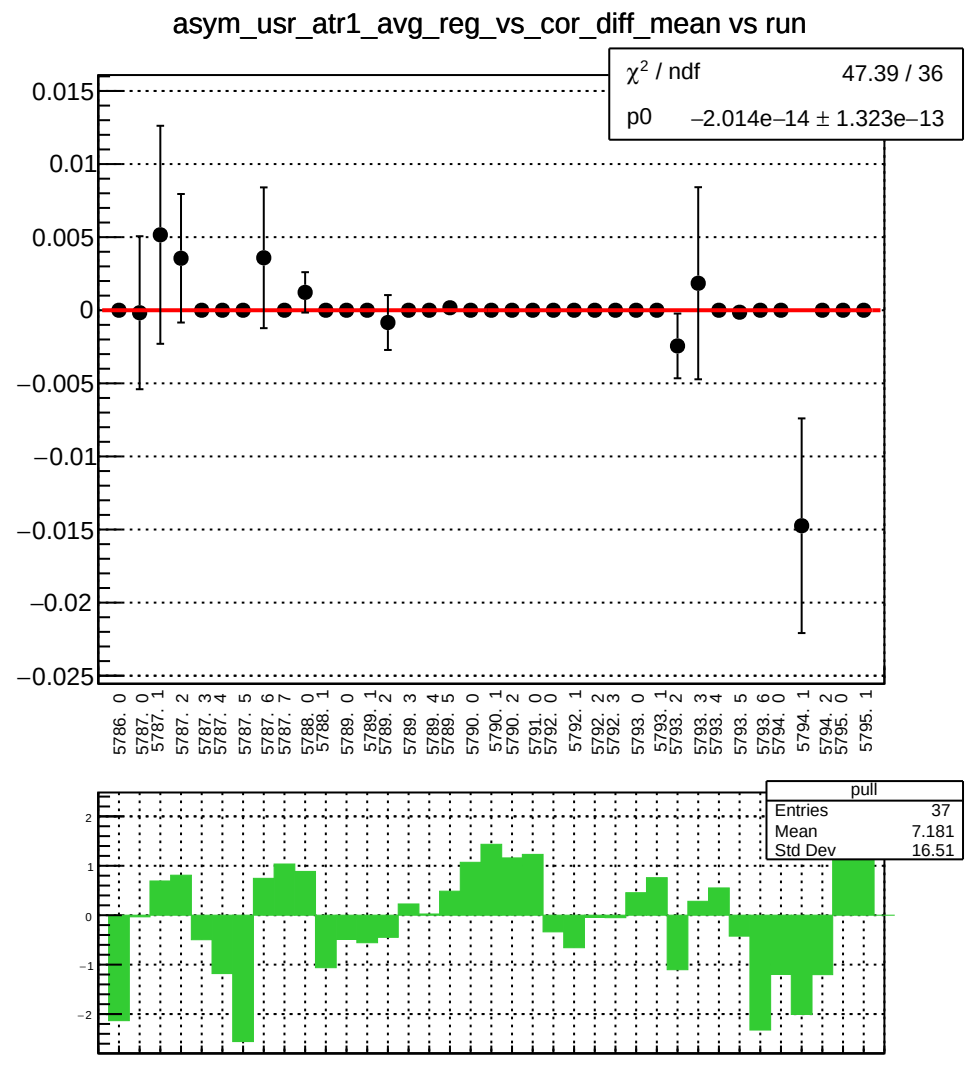

asym_usr_atr1_avg_eigen_dit_correction_mean vs run
χ² / ndf 37.88 / 36
p0 −2586 ± 1404
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.04
Std Dev 0
3
2
1
0
−1
−2

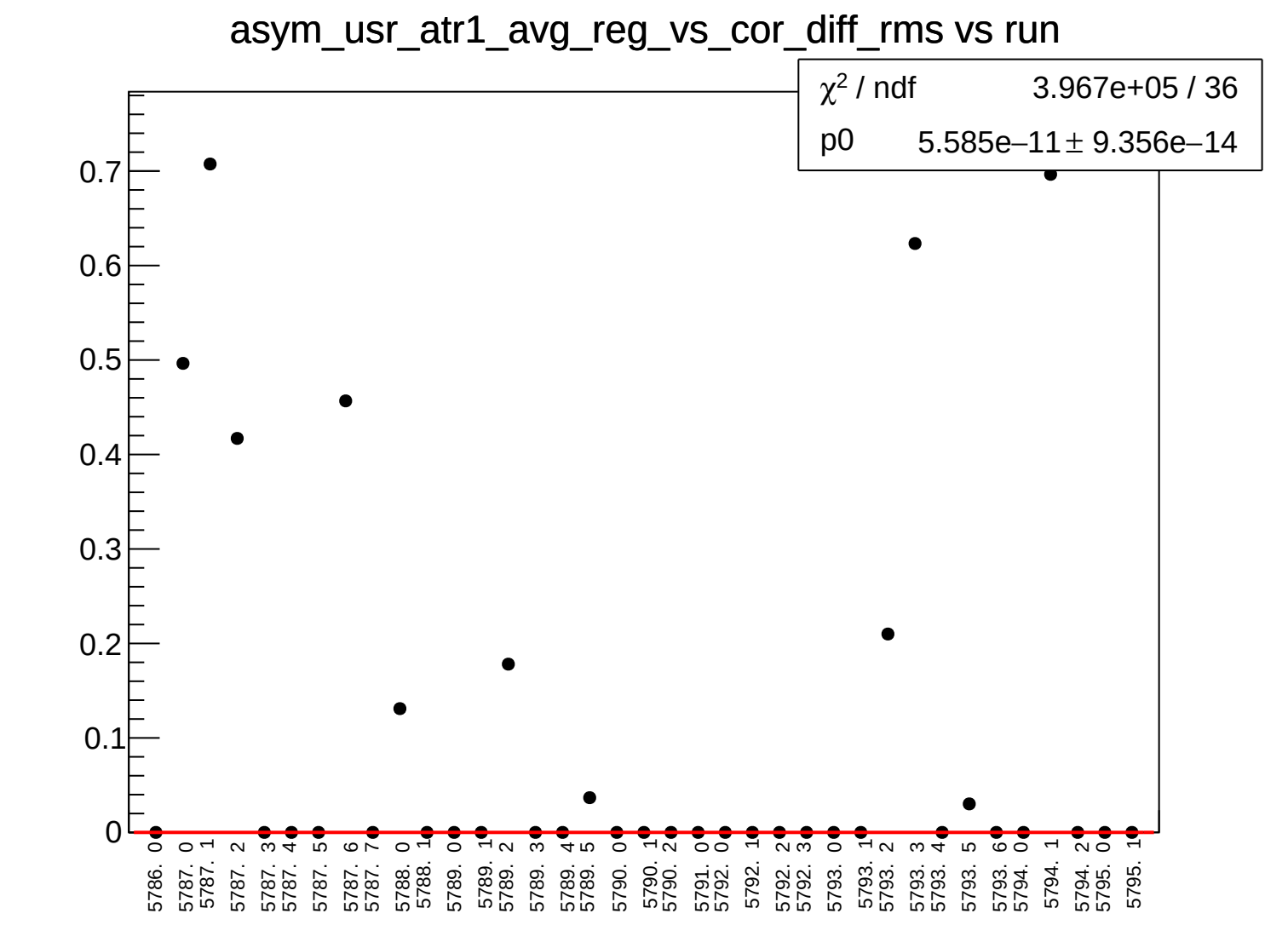

pull1D
Entries 37
Mean −0.007606
Std Dev 1.012
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

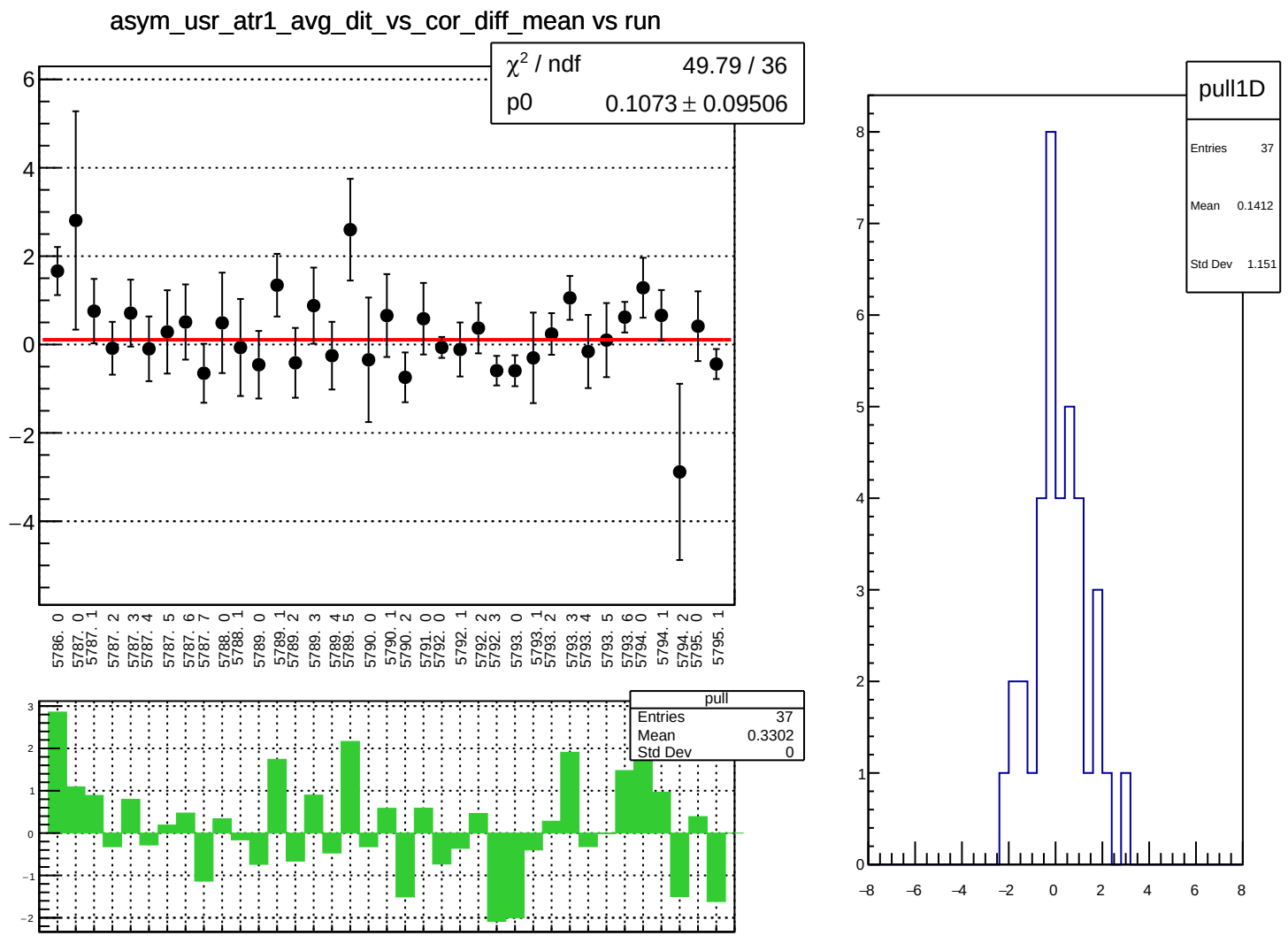

asym_usr_atr1_avg_eigen_dit_correction_rms vs run
χ² / ndf 1261 / 36
p0 860.7 ± 0.9927
940
920
900
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

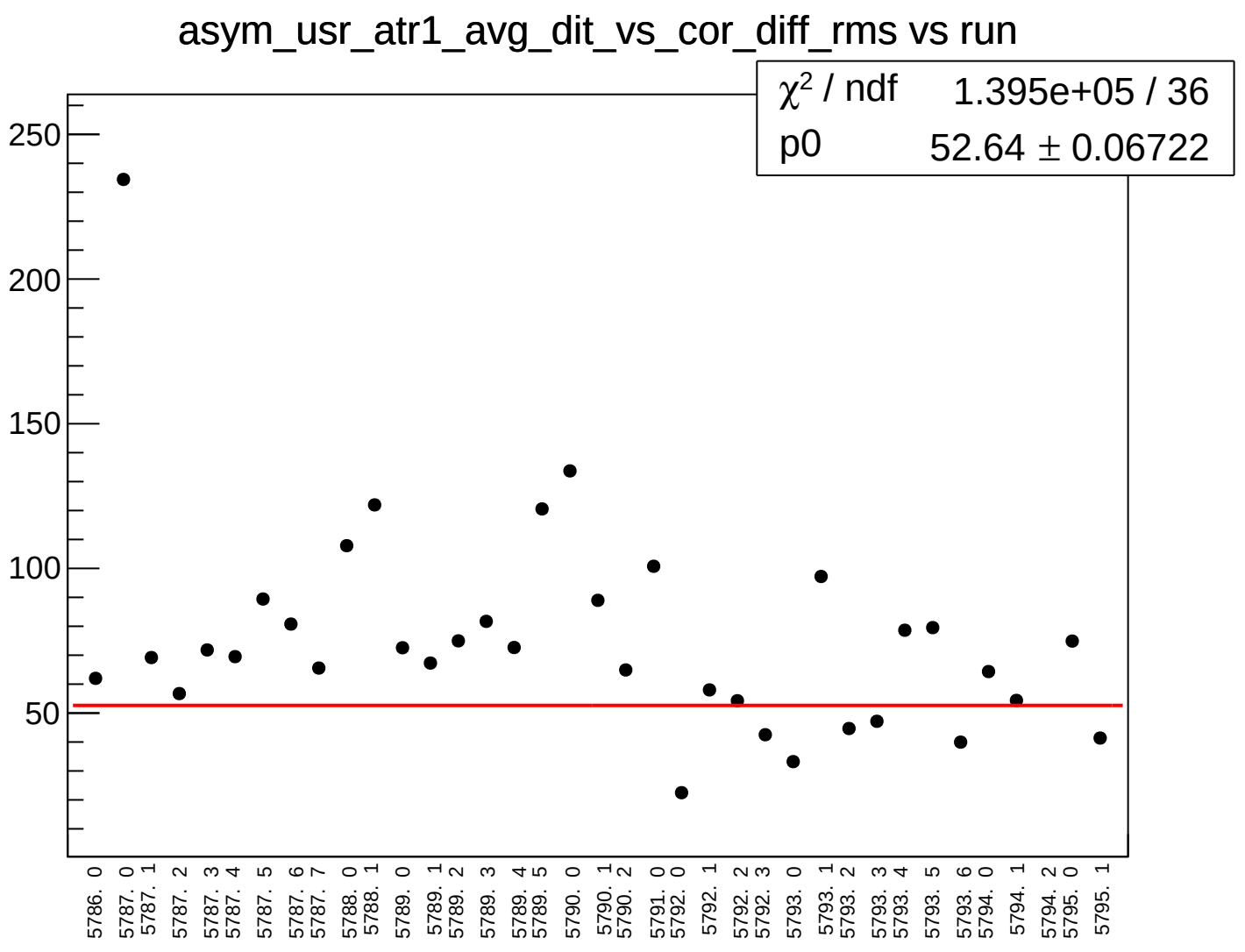

asym_usr_atr1_avg_mean vs run
×10^3
χ² / ndf 46.55 / 36
p0 6816 ± 2969
pull
Entries 37
Mean 51.02
Std Dev 0
pull1D
Entries 37
Mean 0.01165
Std Dev 1.122

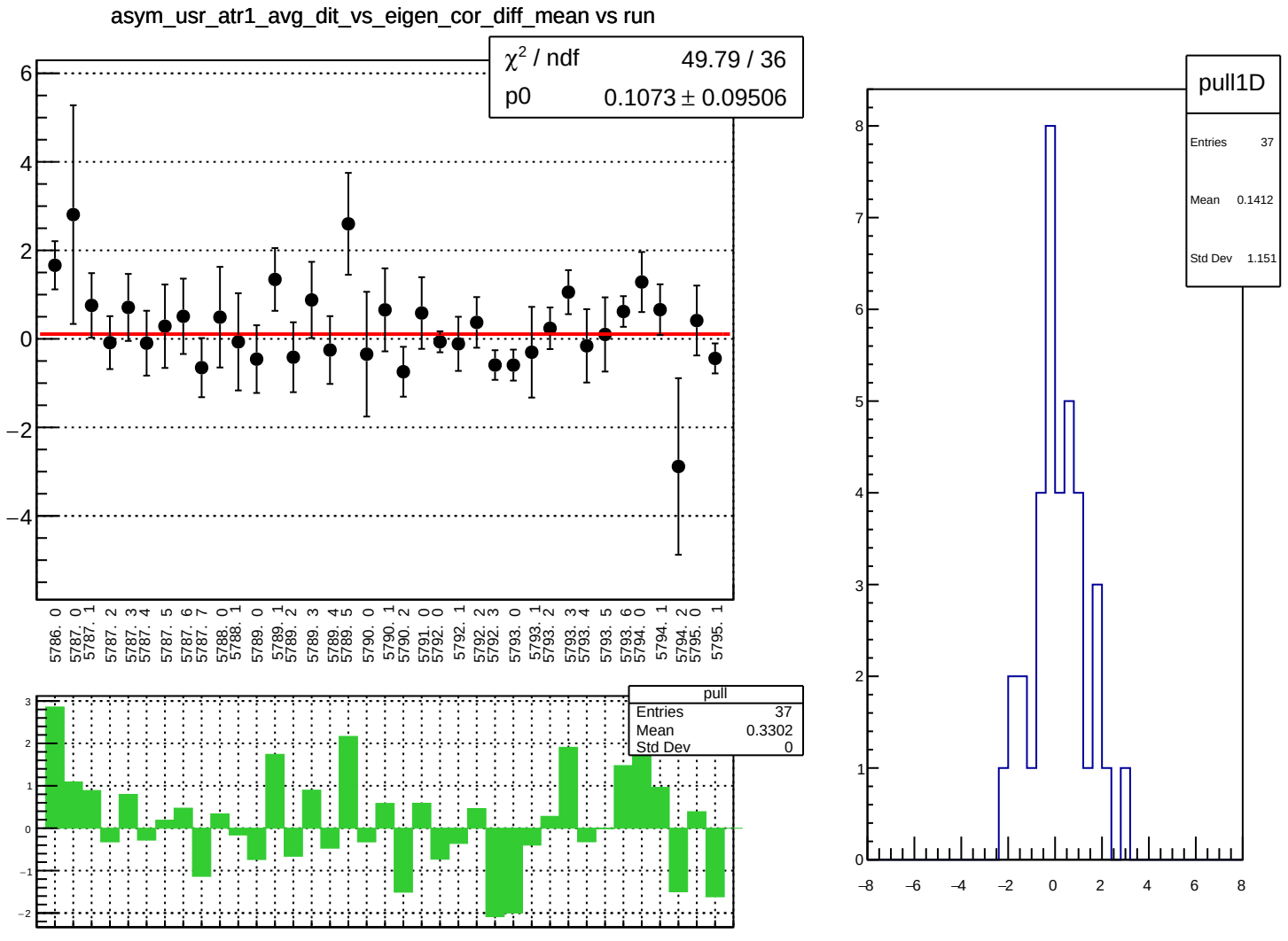

asym_usr_atr1_avg_rms vs run
χ² / ndf 238.1 / 36
p0 1821 ± 2.099
1920
1900
1880
1860
1840
1820
1800
1780
1760
1740
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

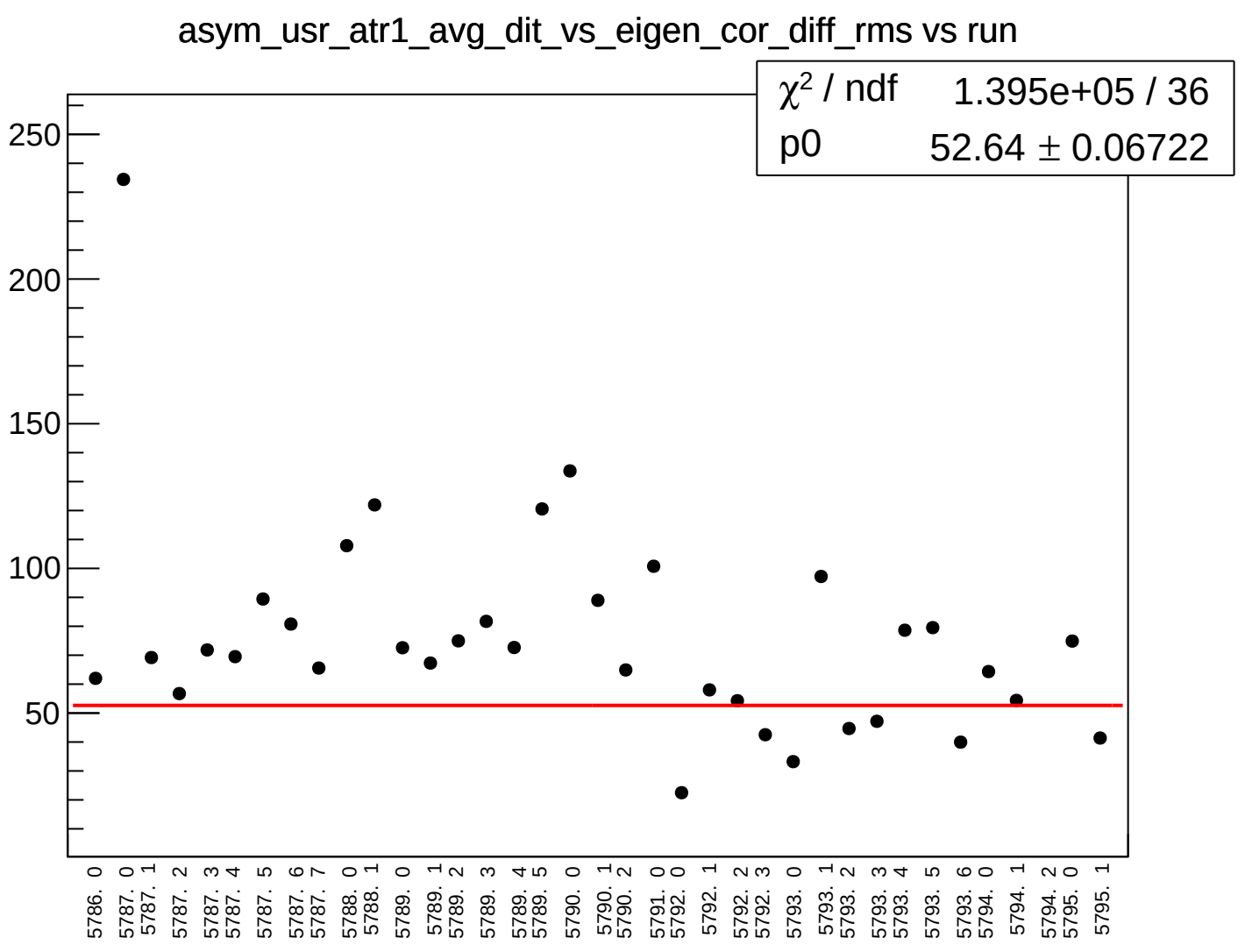

asym_usr_atr1_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.39 / 36
p0 −2.014e−14 ± 1.323e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.181
Std Dev 16.51
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.07147
Std Dev 1.129
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

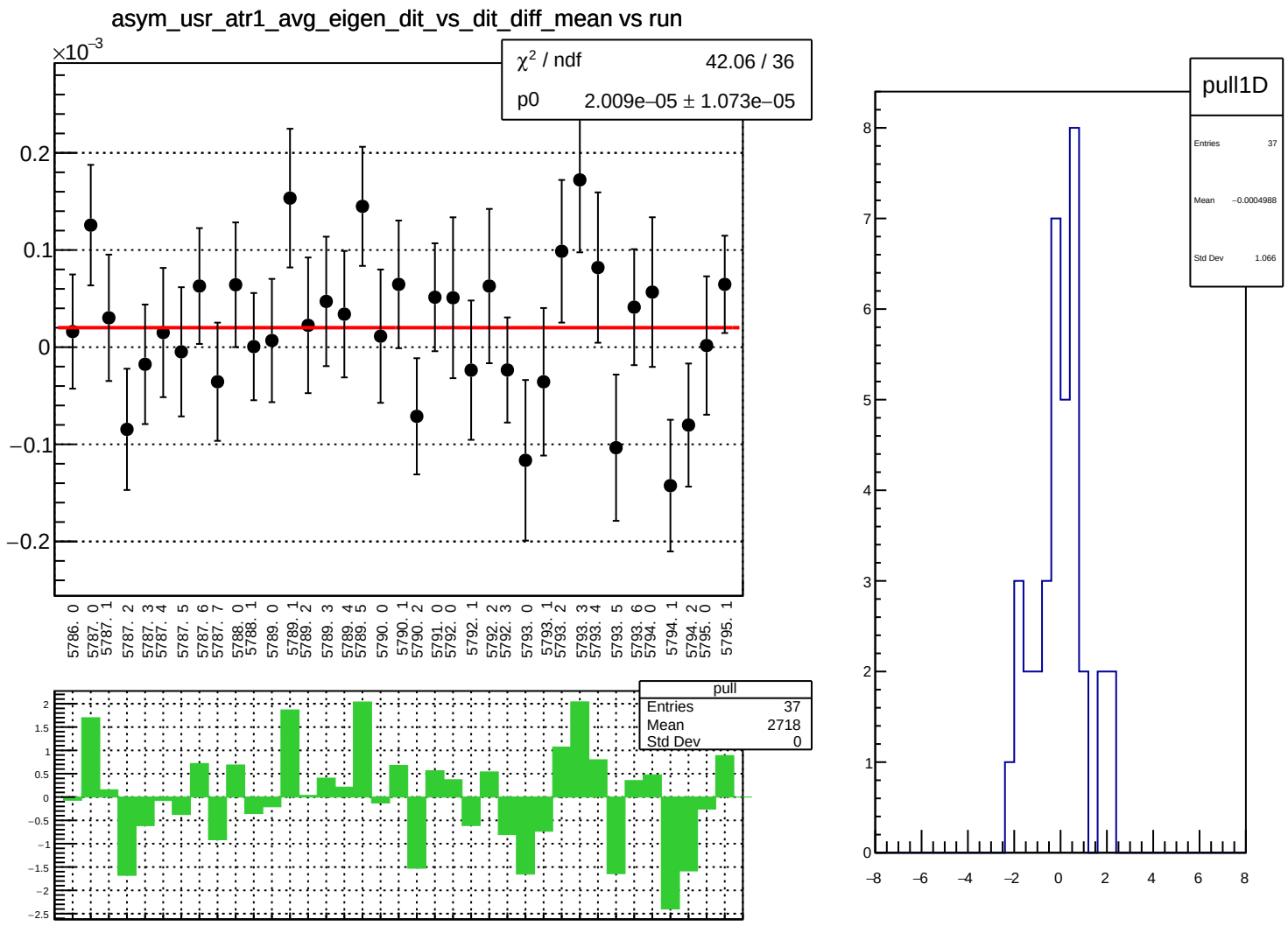

asym_usr_atr1_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.967e+05 / 36
p0 5.585e−11 ± 9.356e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

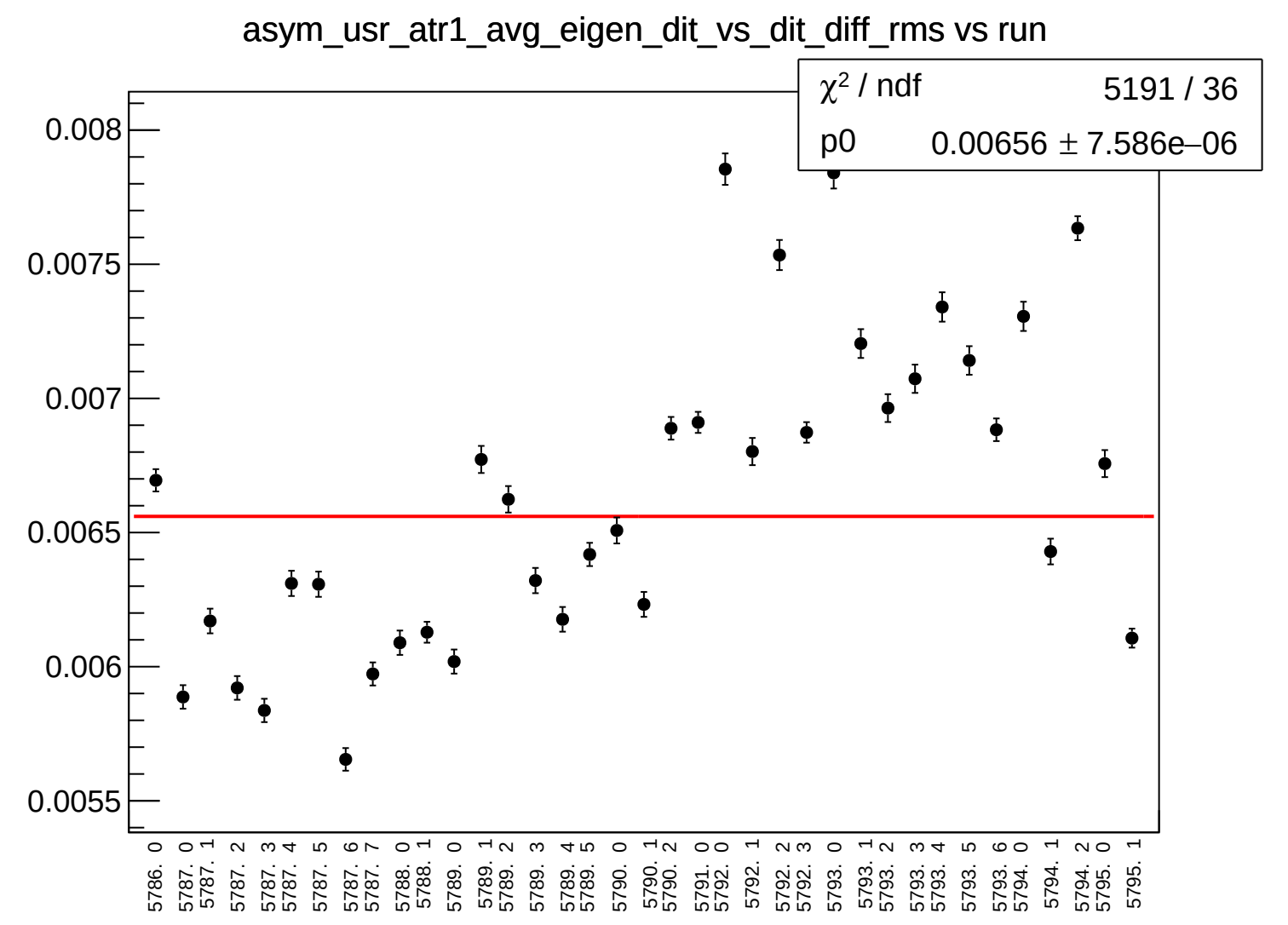

asym_usr_atr1_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.79 / 36
p0 0.1073 ± 0.09506
6
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.3302
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1412
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

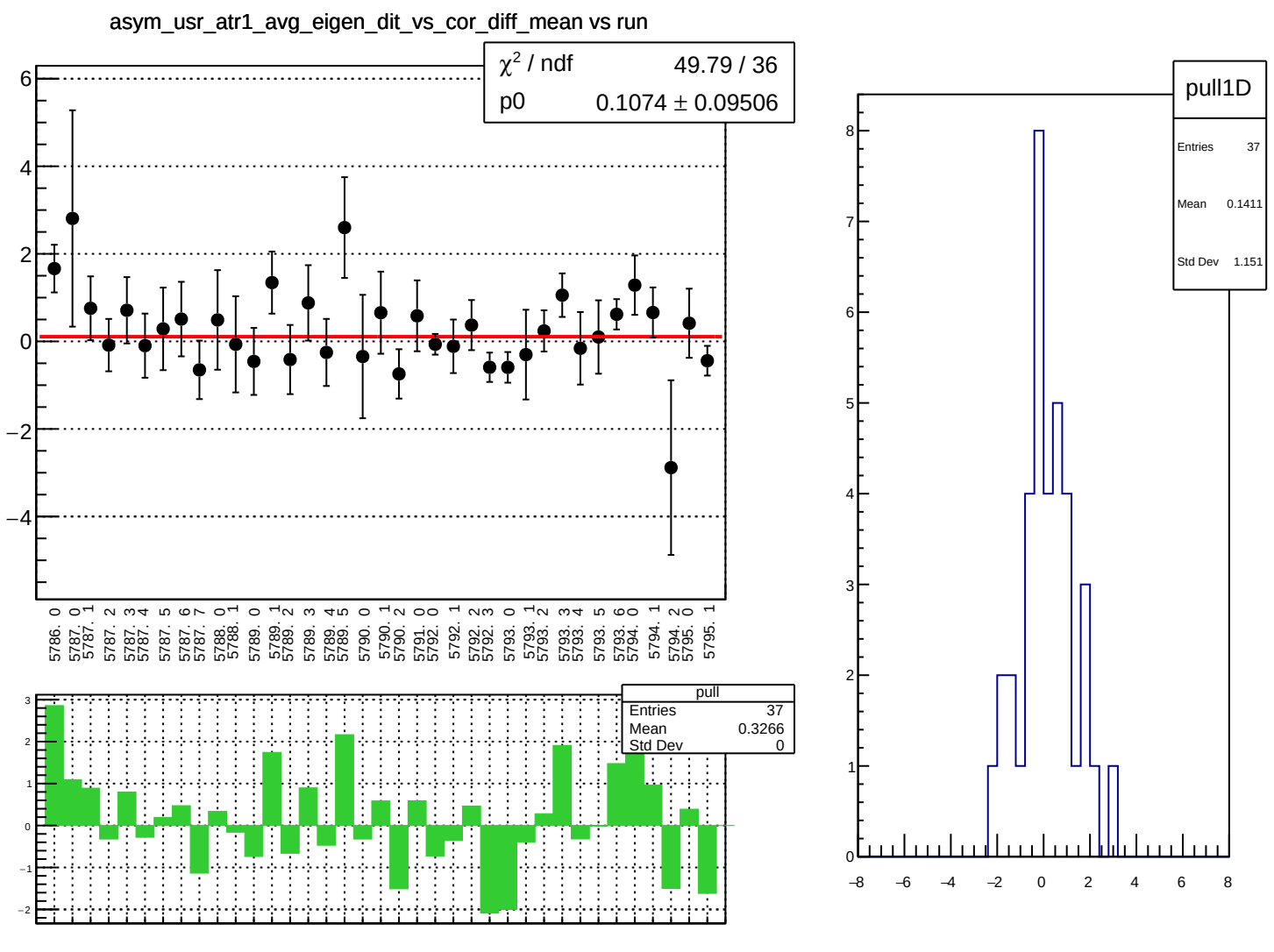

asym_usr_atr1_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.395e+05 / 36
p0 52.64 ± 0.06722
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

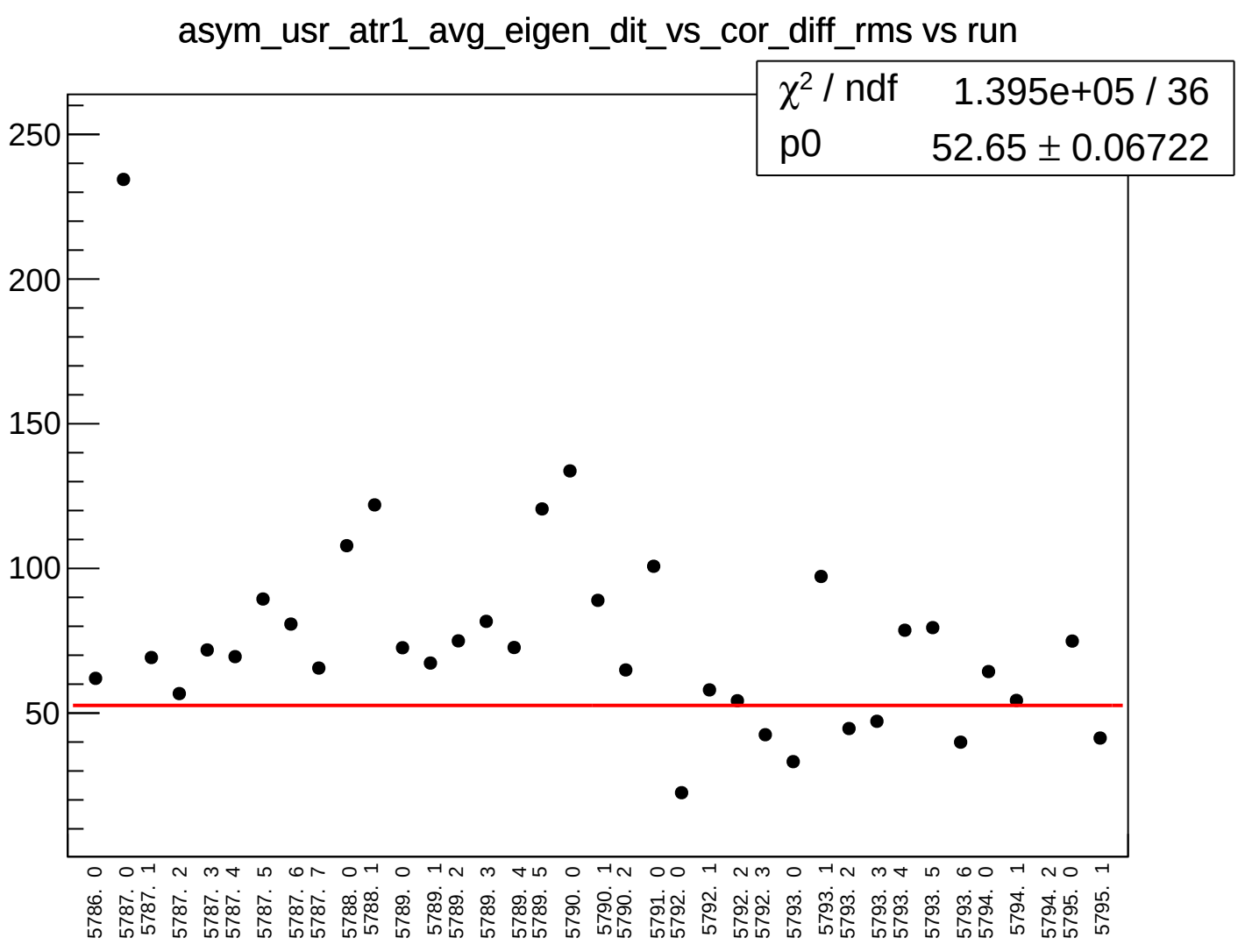

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.79 / 36
p0 0.1073 ± 0.09506
6
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.3302
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1412
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

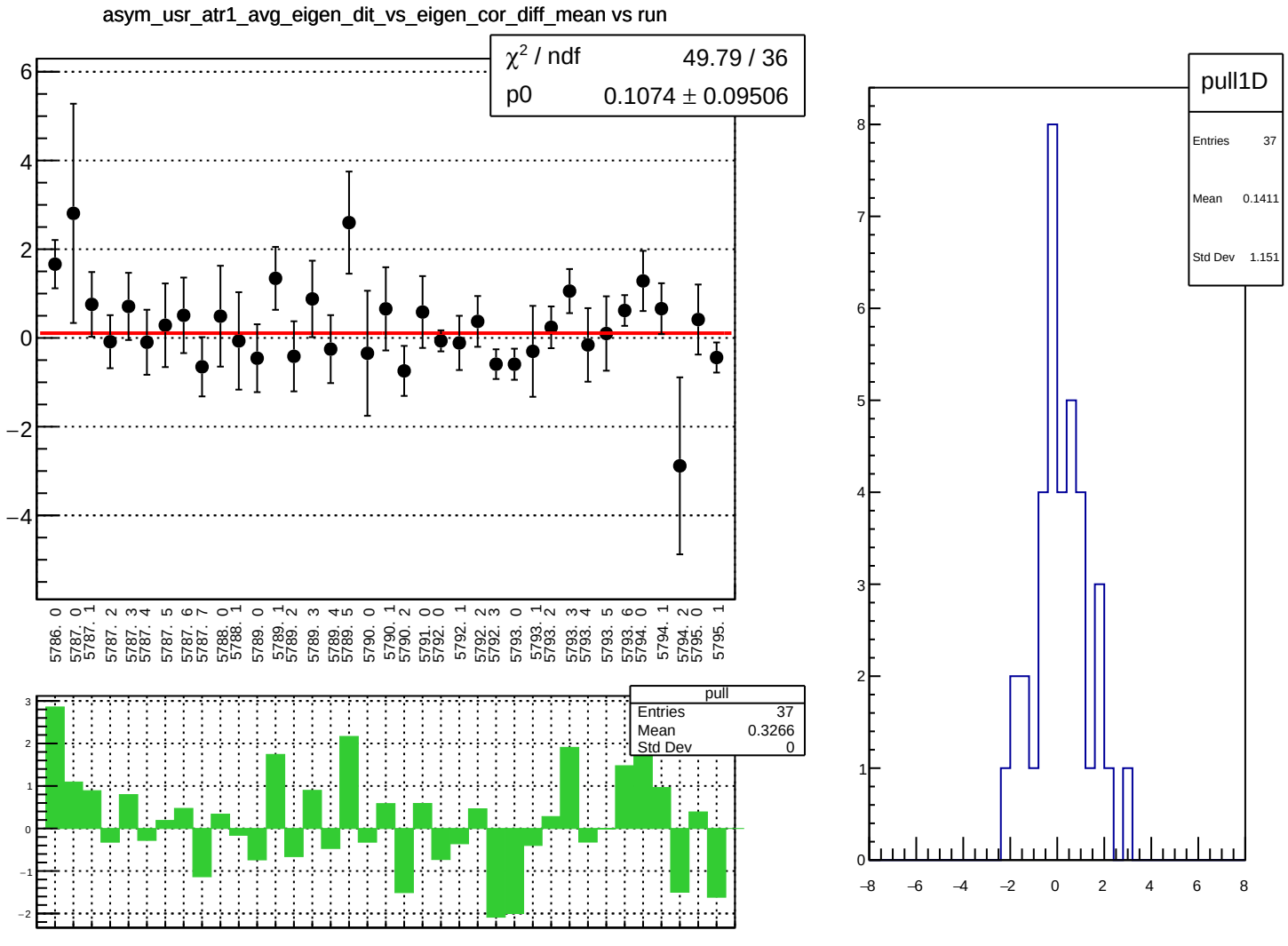

asym_usr_atr1_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.395e+05 / 36
p0 52.64 ± 0.06722
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

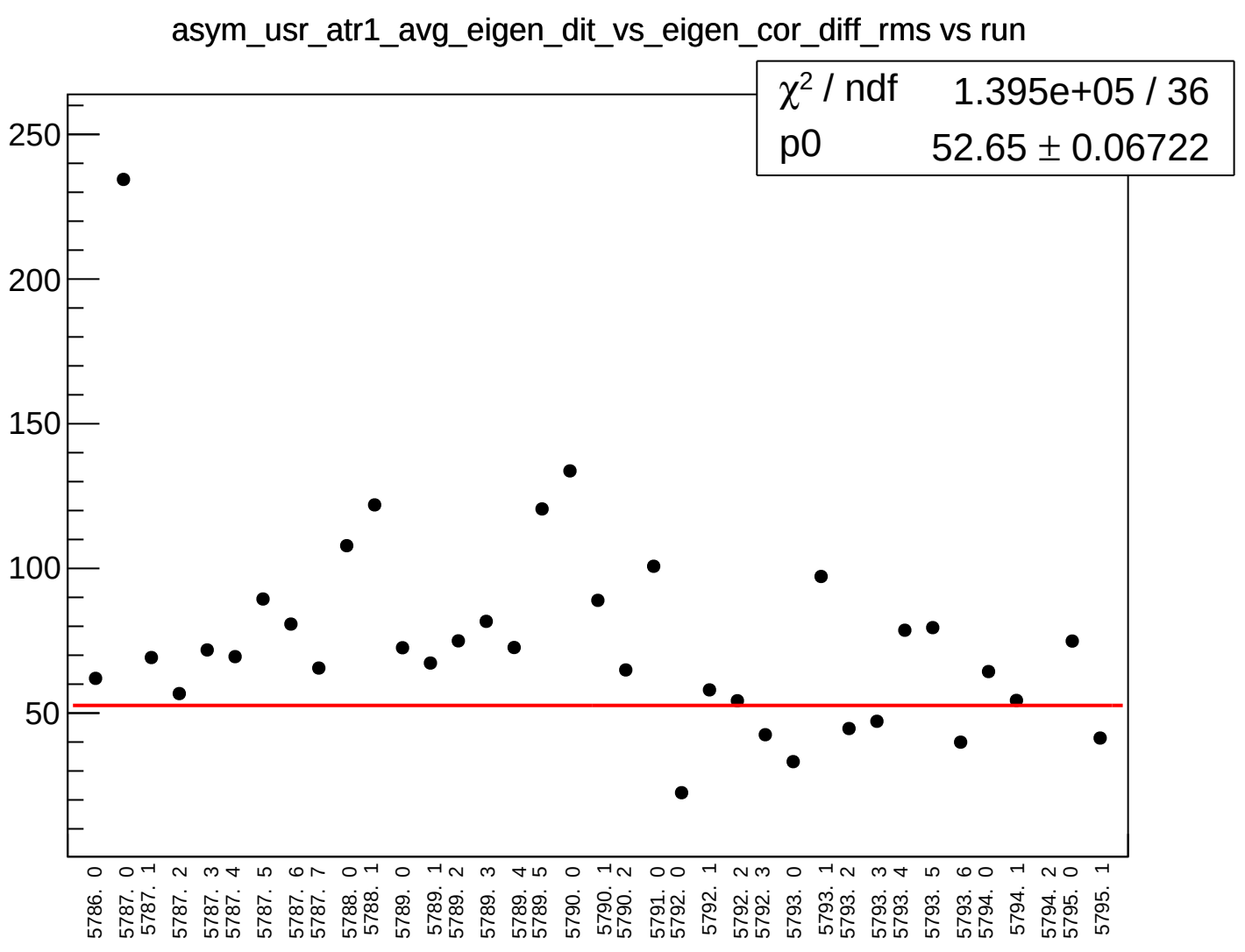

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.06 / 36
p0 2.009e−05 ± 1.073e−05
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2718
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.0004988
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

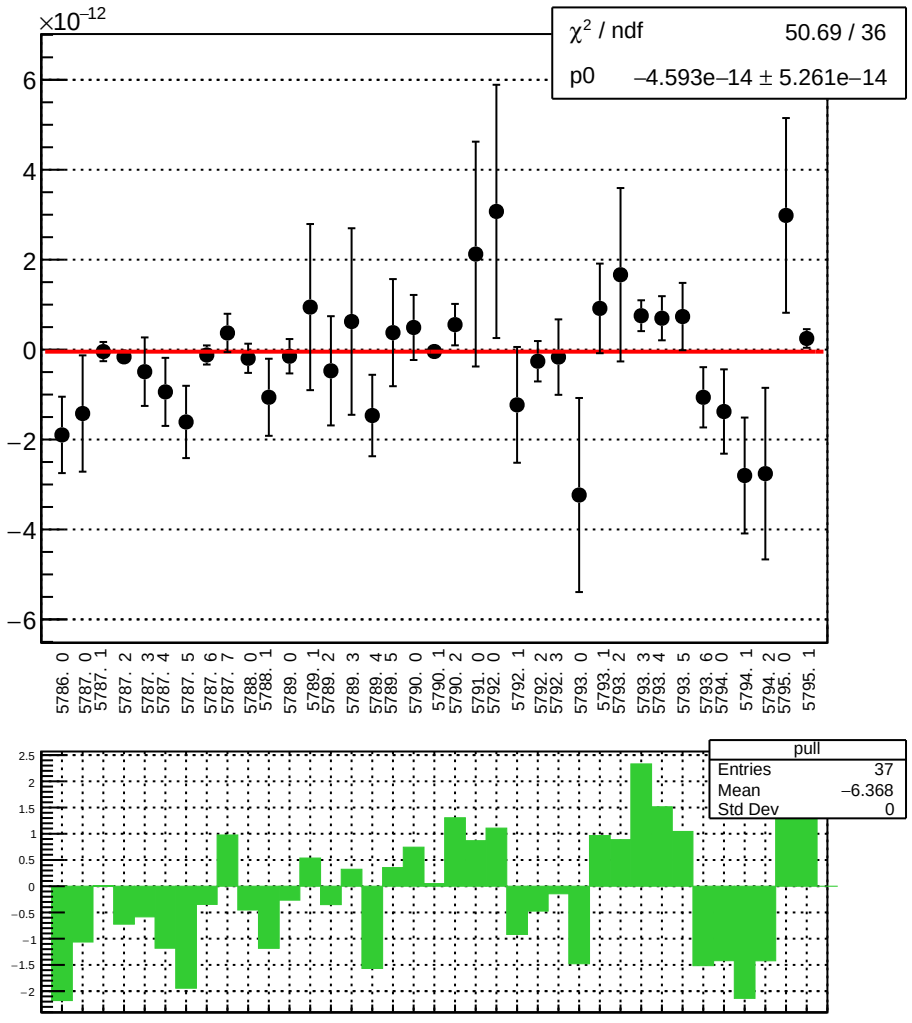

asym_usr_atr1_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5191 / 36
p0 0.00656 ± 7.586e–06
0.008
0.0075
0.007
0.0065
0.006
0.0055
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

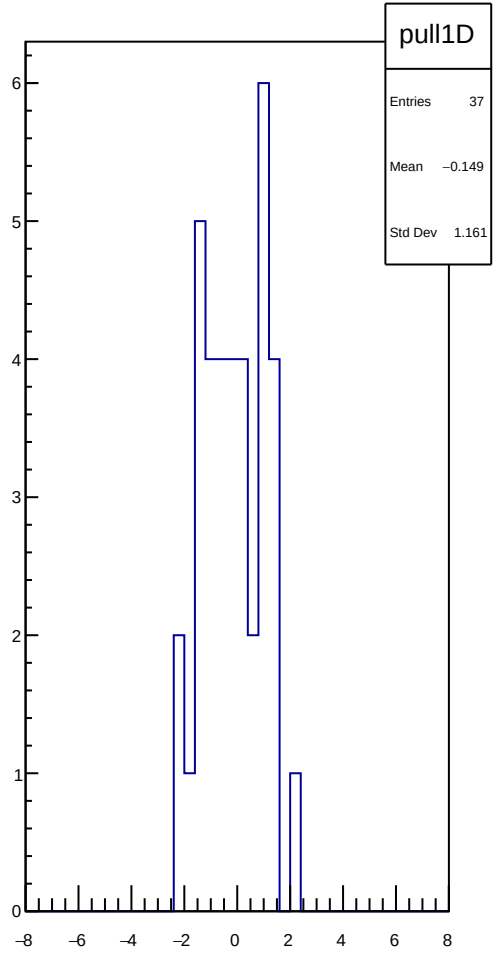

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.79 / 36
p0 0.1074 ± 0.09506
pull
Entries 37
Mean 0.3266
Std Dev 0
pull1D
Entries 37
Mean 0.1411
Std Dev 1.151

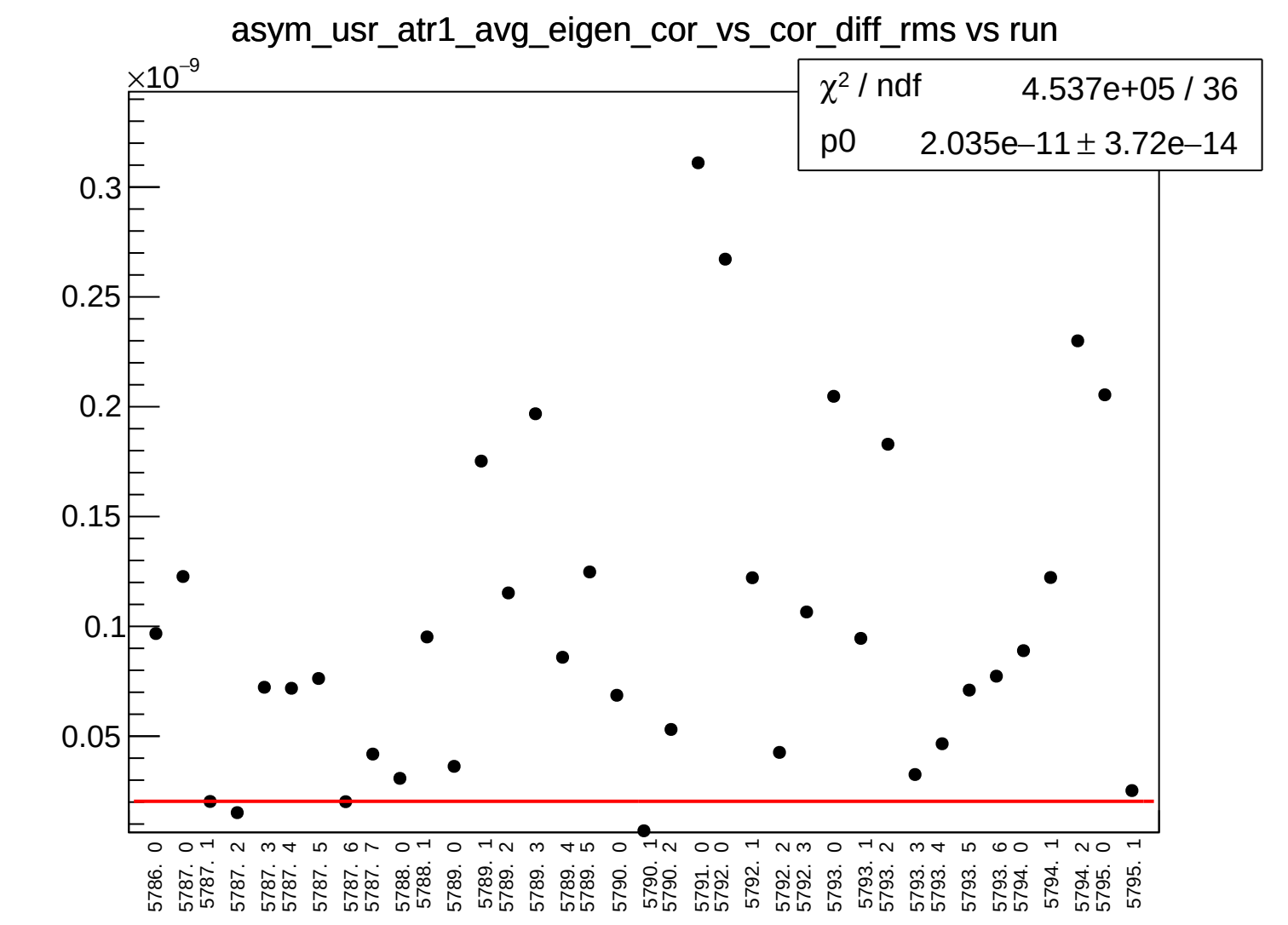

asym_usr_atr1_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.395e+05 / 36
p0 52.65 ± 0.06722
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

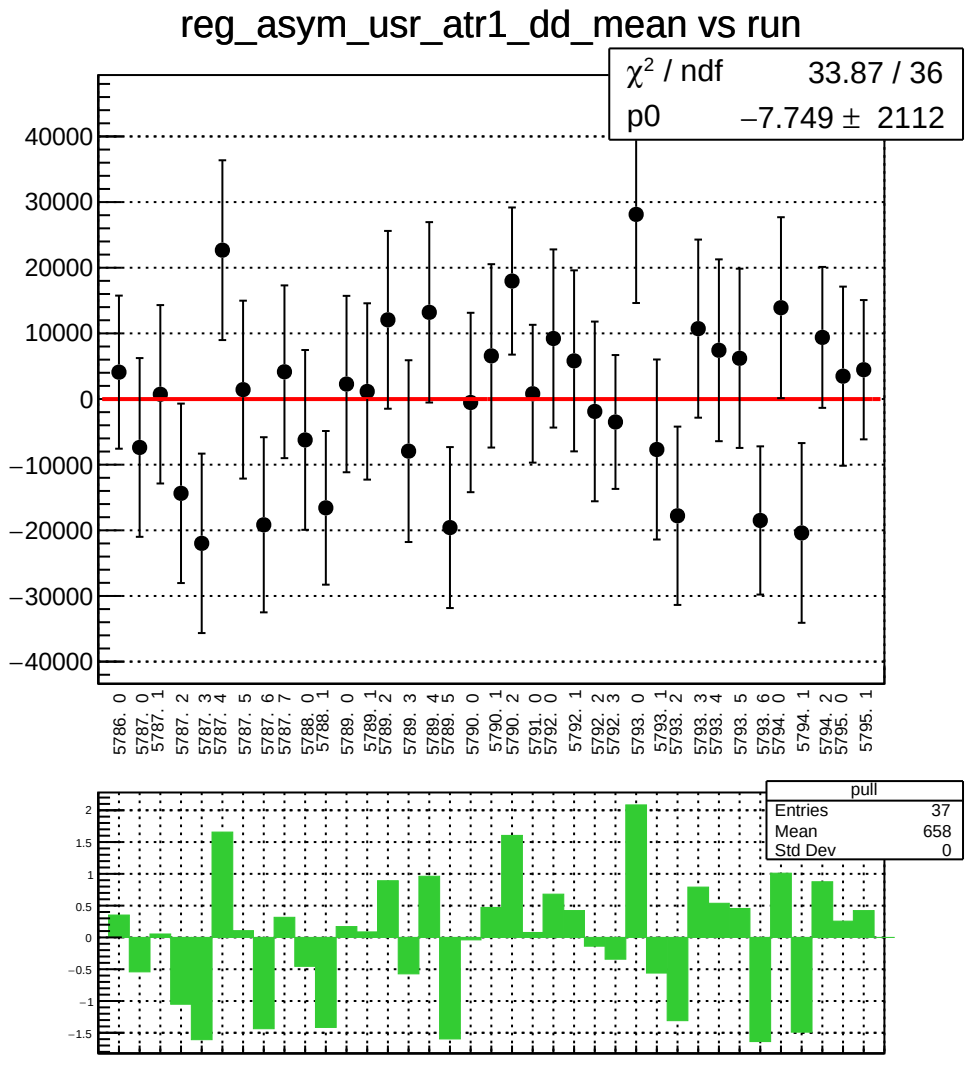

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.79 / 36
p0 0.1074 ± 0.09506
6
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.3266
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1411
Std Dev 1.151
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

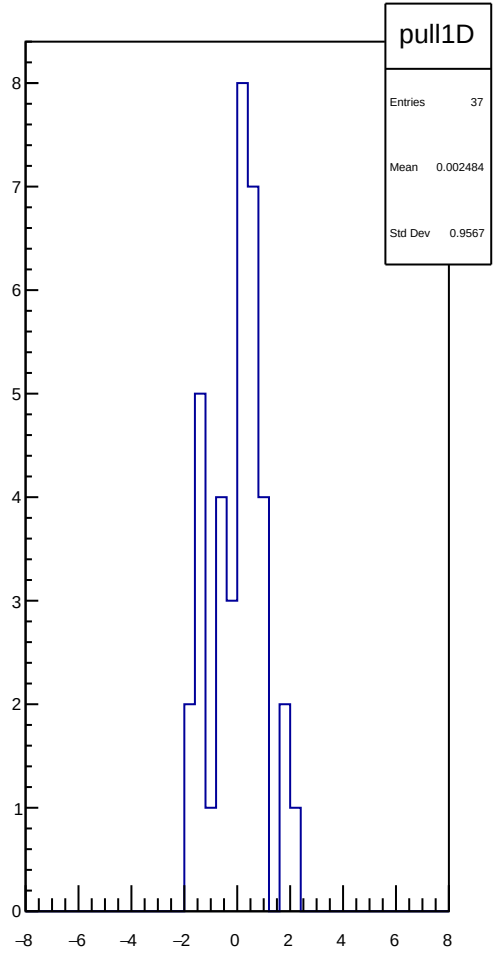

asym_usr_atr1_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.395e+05 / 36
p0 52.65 ± 0.06722
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

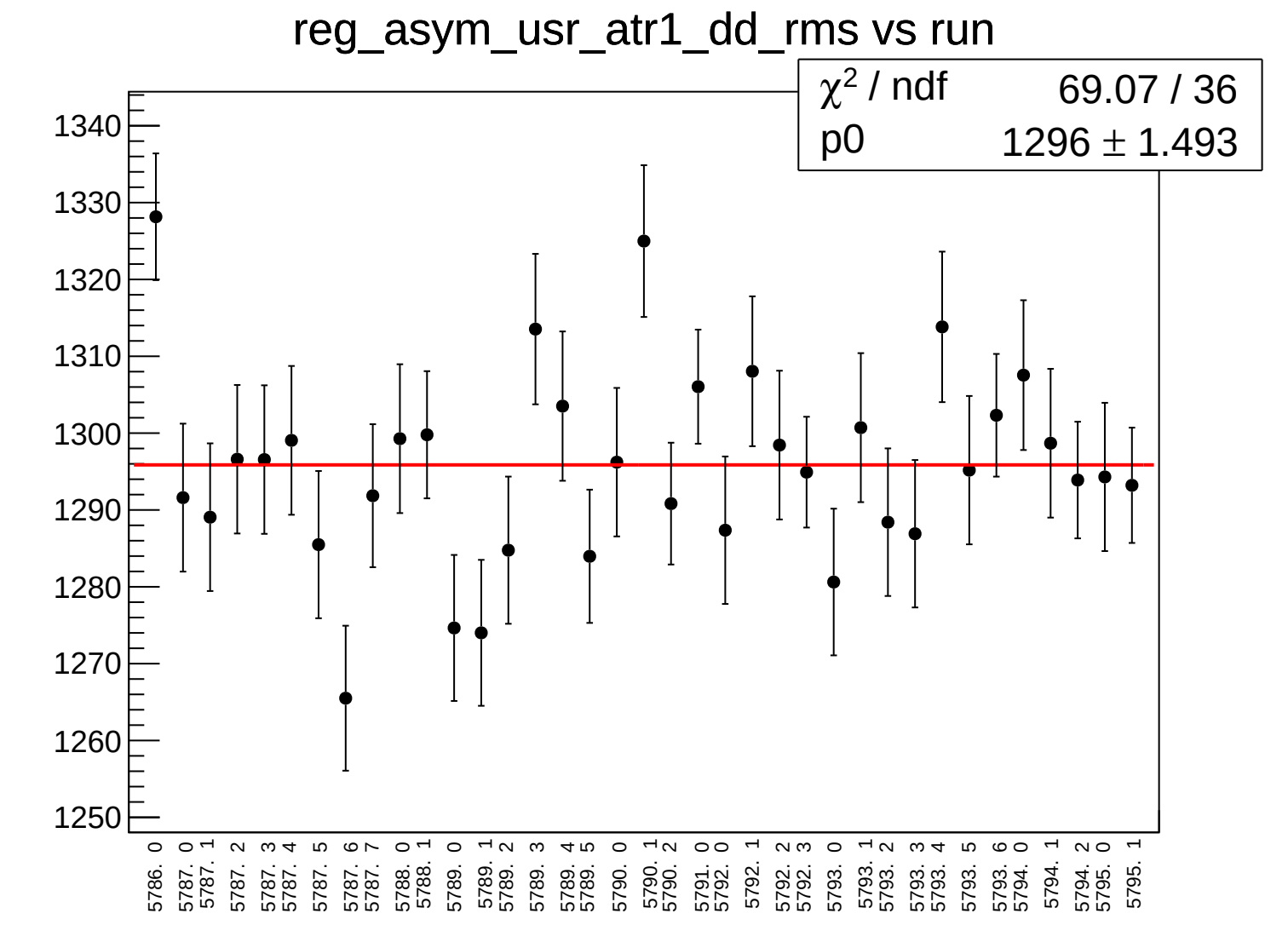

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.69 / 36
p0 −4.593e−14 ± 5.261e−14
pull
Entries 37
Mean −6.368
Std Dev 0

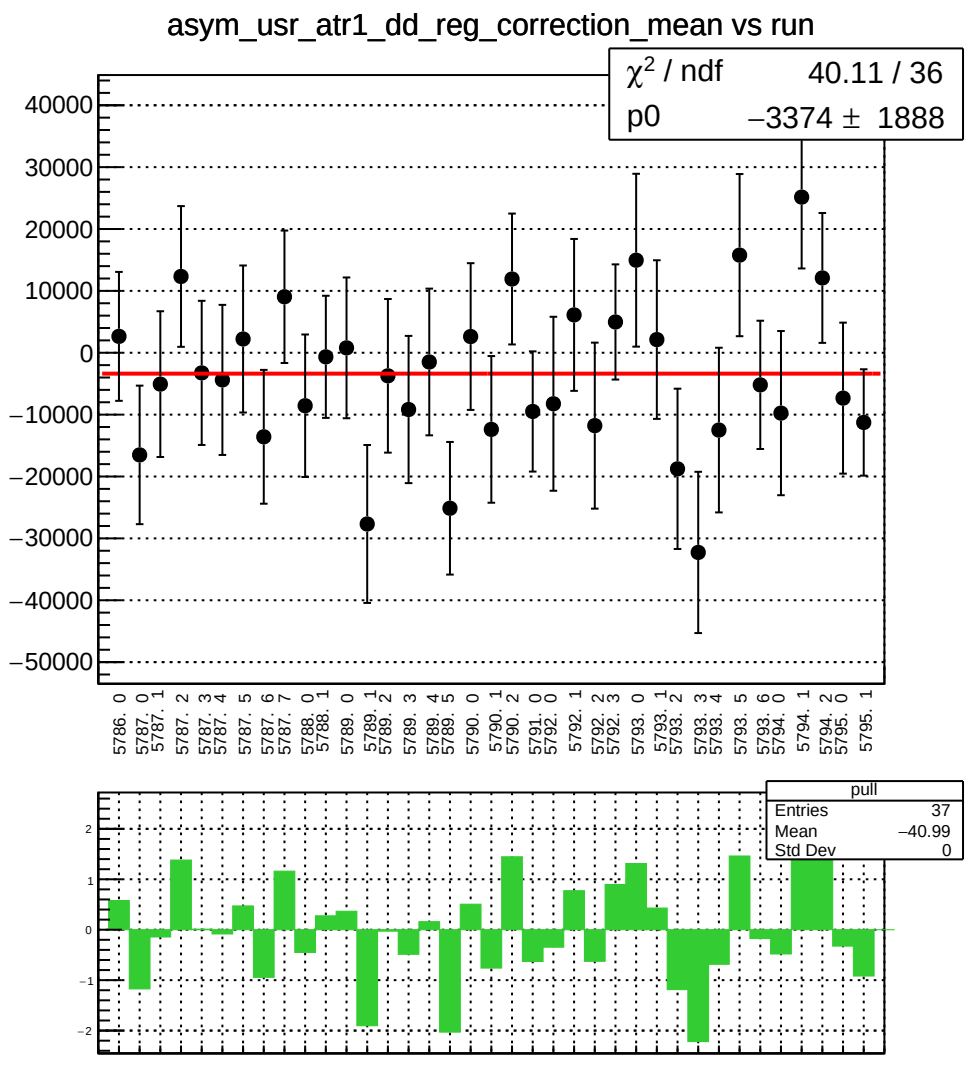

pull1D
Entries 37
Mean −0.149
Std Dev 1.161

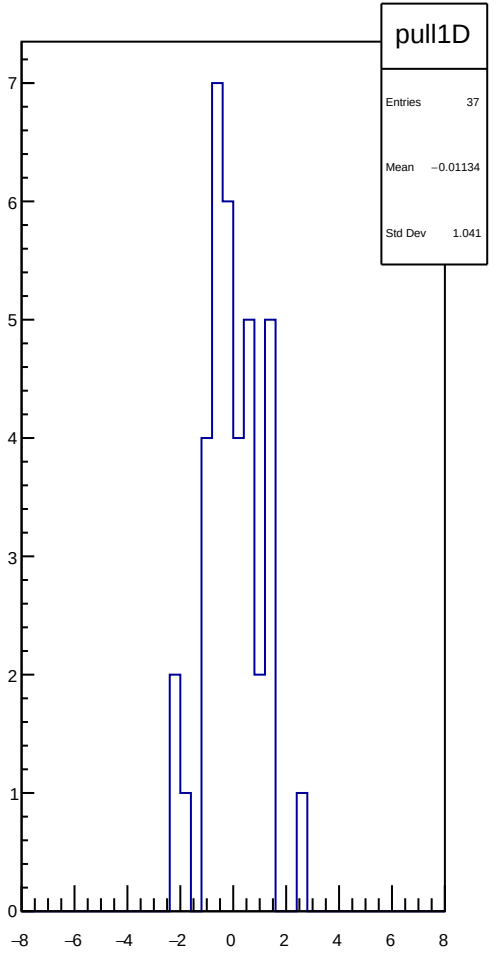

asym_usr_atr1_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.537e+05 / 36
p0 2.035e−11 ± 3.72e−14
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

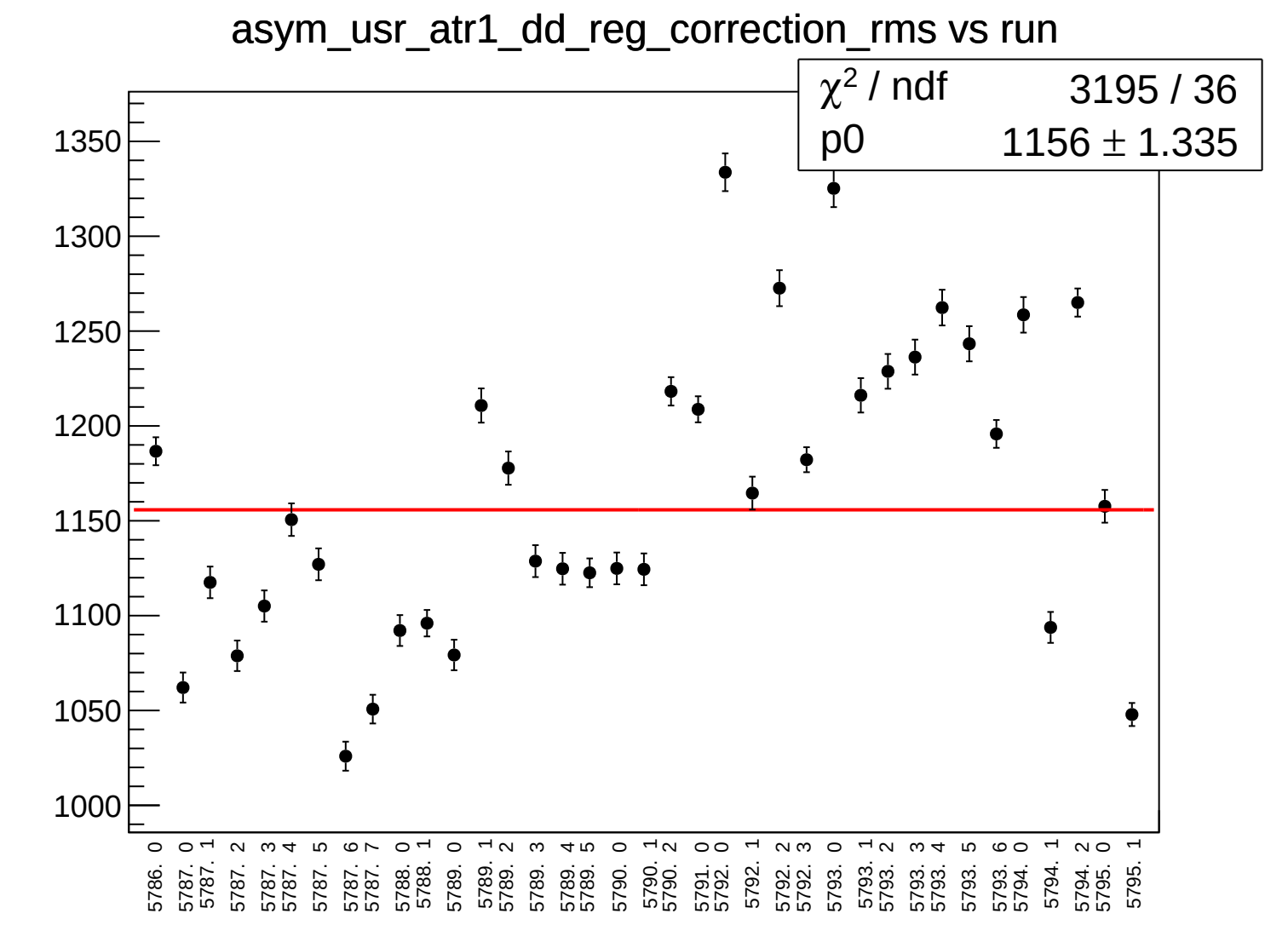

reg_asym_usr_atr1_dd_mean vs run
χ² / ndf 33.87 / 36
p0 −7.749 ± 2112
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 658
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

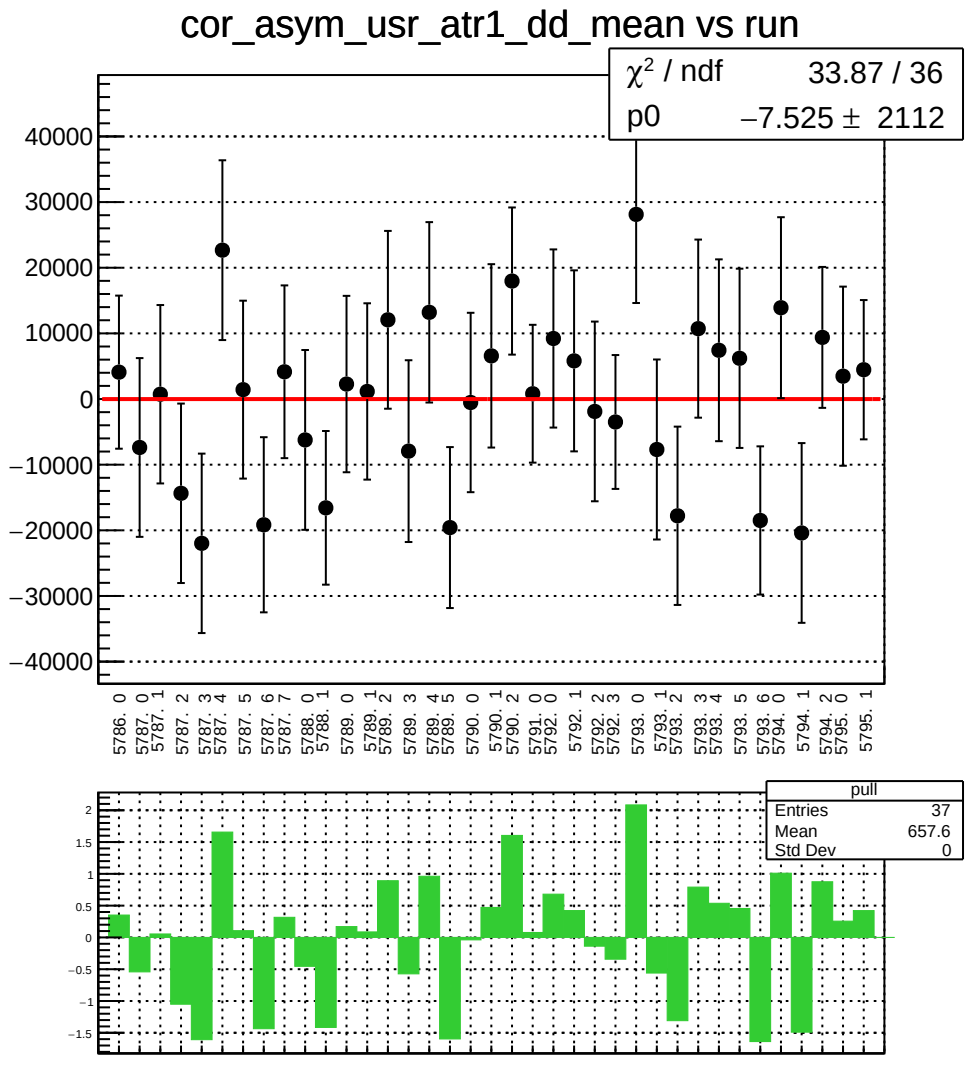

pull1D
Entries 37
Mean 0.002484
Std Dev 0.9567
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

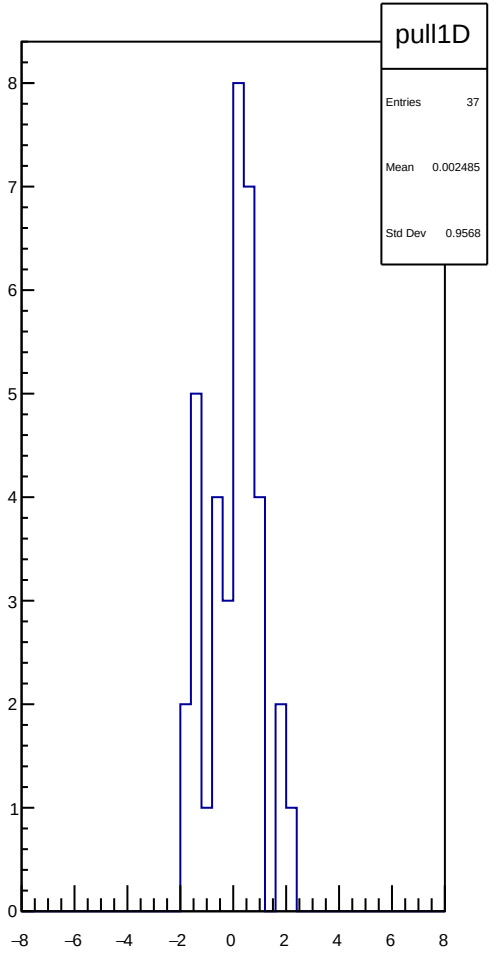

reg_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 69.07 / 36
p0 1296 ± 1.493
1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

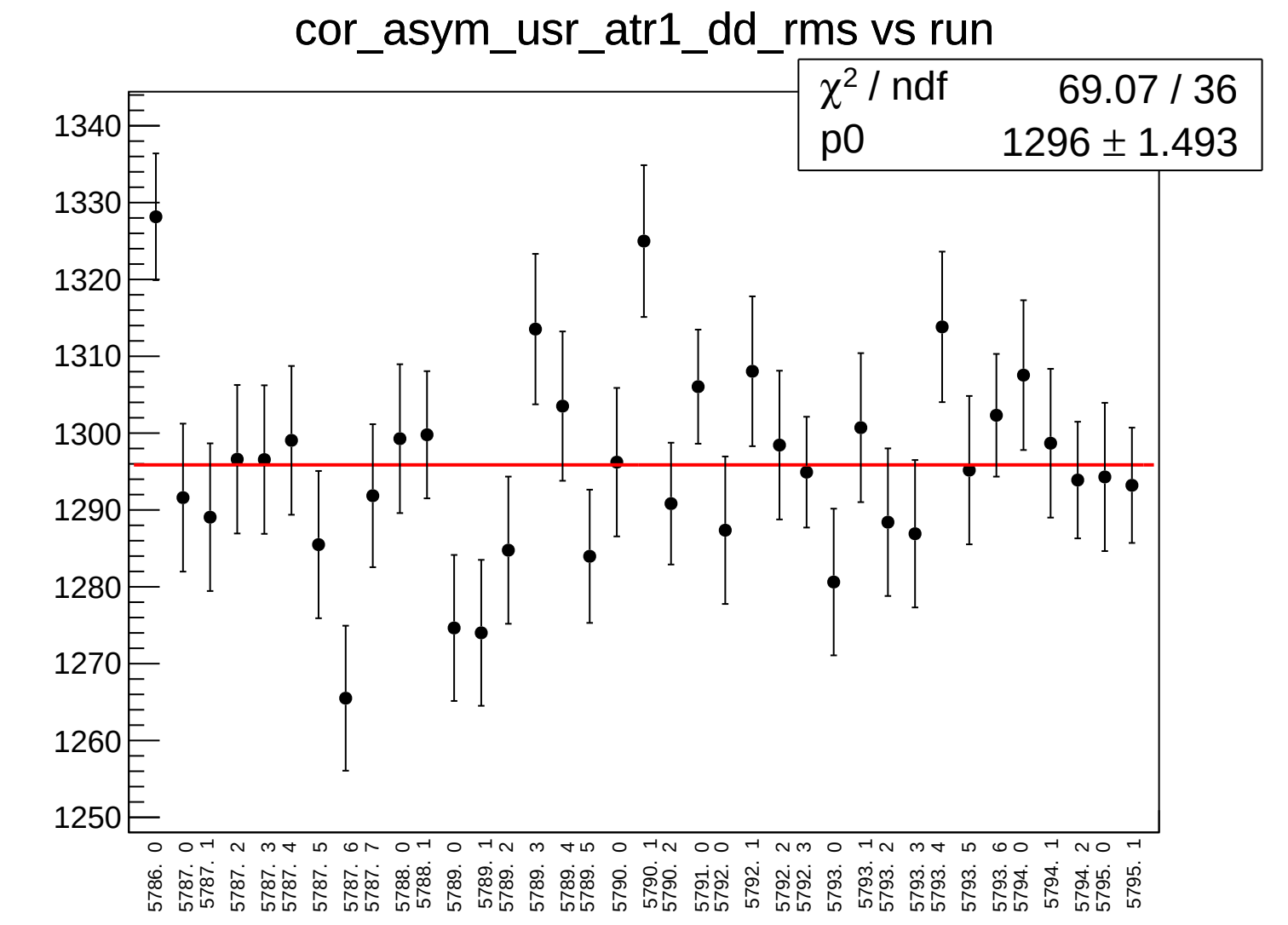

asym_usr_atr1_dd_reg_correction_mean vs run
χ² / ndf 40.11 / 36
p0 −3374 ± 1888
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −40.99
Std Dev 0
2
1
0
−1
−2

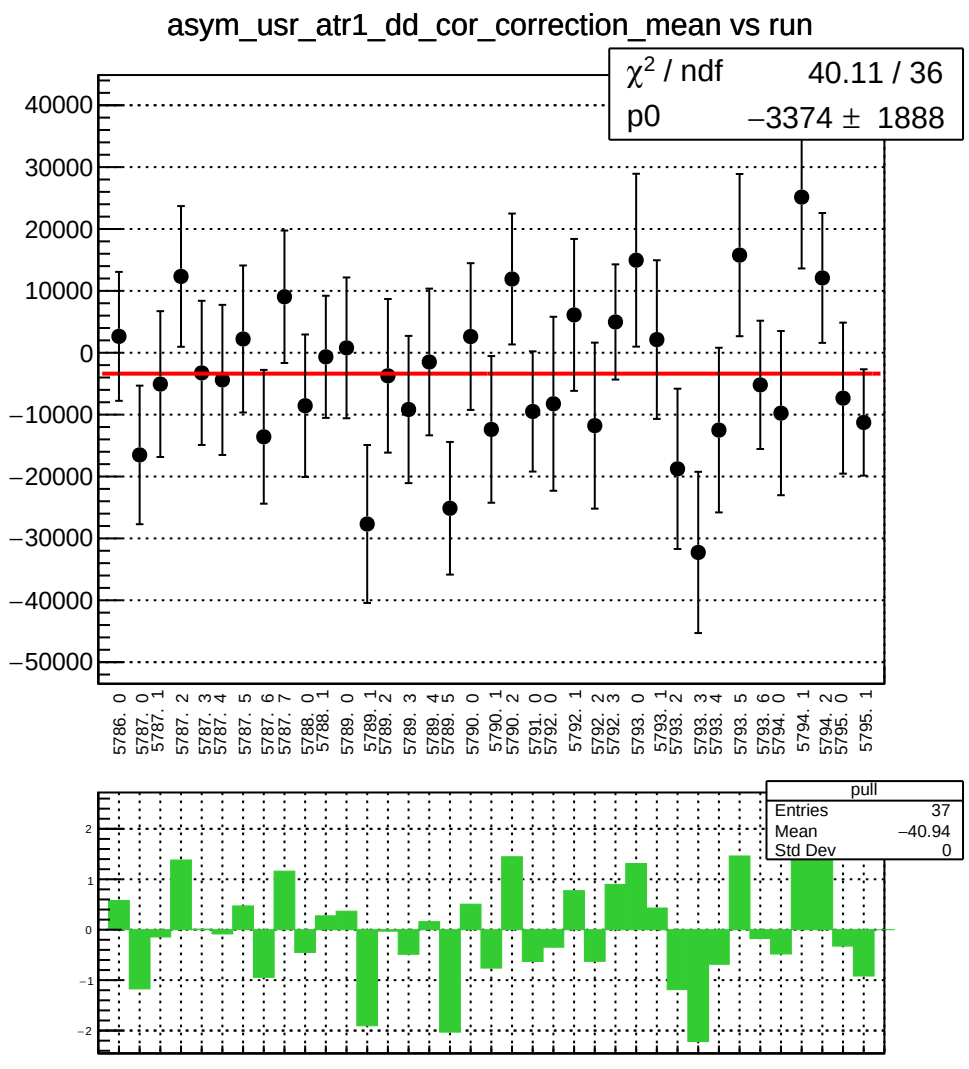

pull1D
Entries 37
Mean −0.01134
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

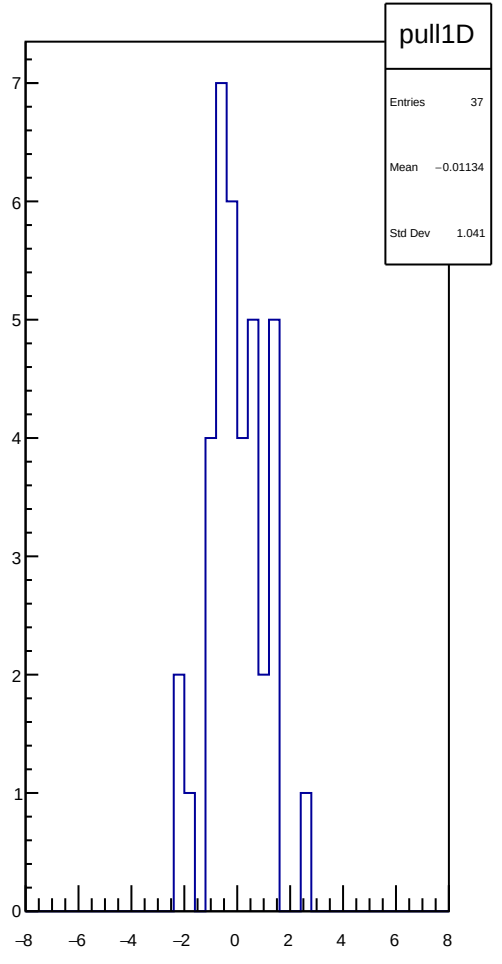

asym_usr_atr1_dd_reg_correction_rms vs run
χ² / ndf 3195 / 36
p0 1156 ± 1.335
1350
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

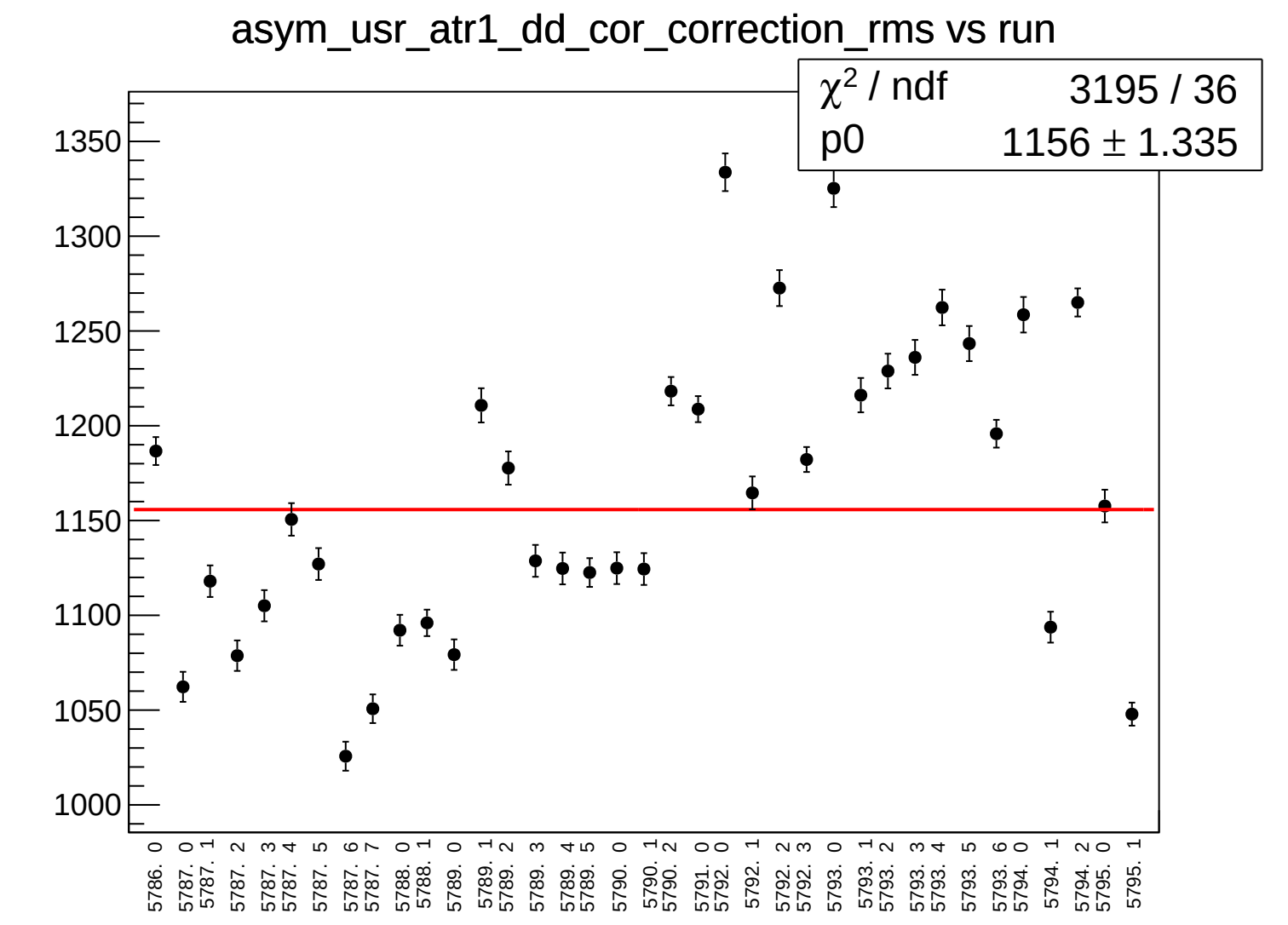

cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 33.87 / 36
p0 −7.525 ± 2112
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 657.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

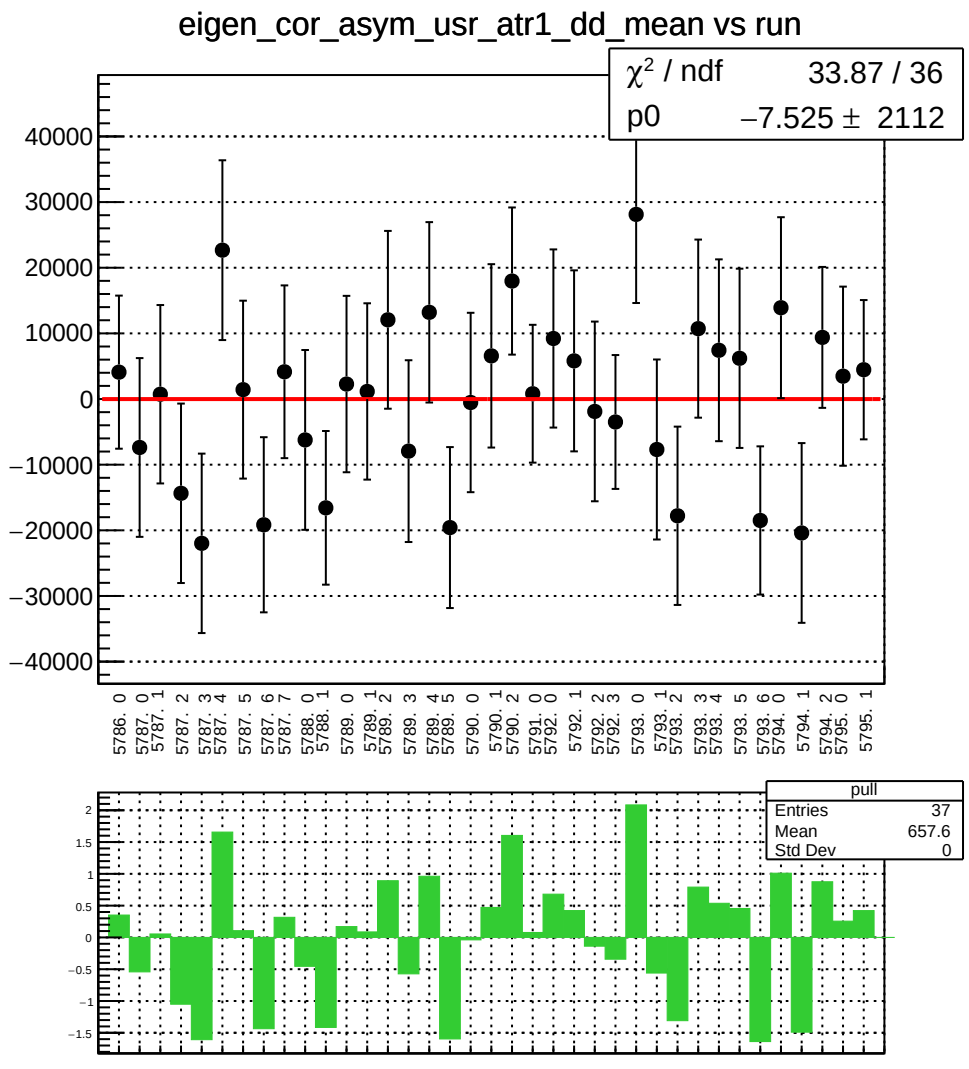

pull1D
Entries 37
Mean 0.002485
Std Dev 0.9568
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

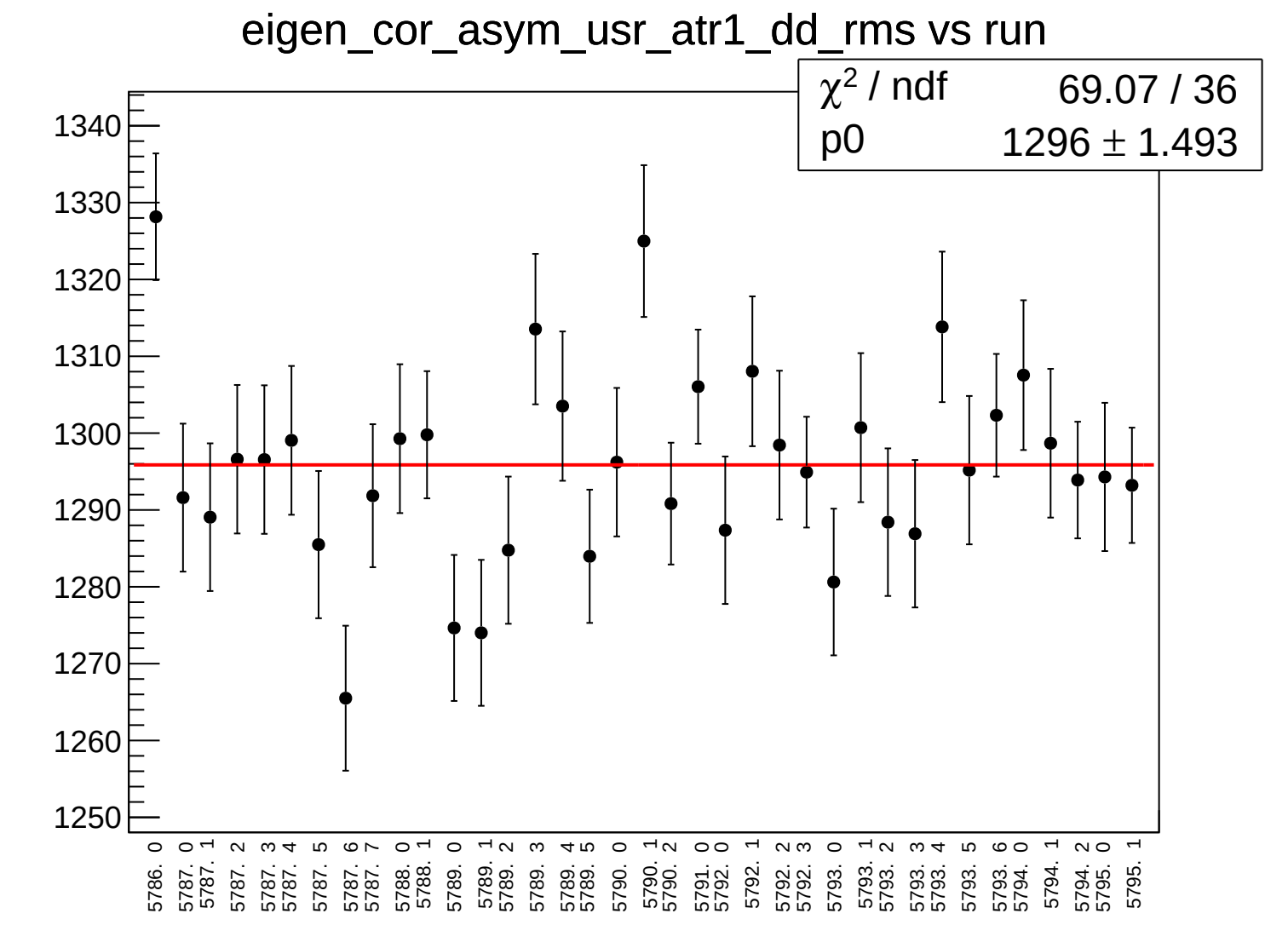

cor_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 69.07 / 36
p0 1296 ± 1.493
1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

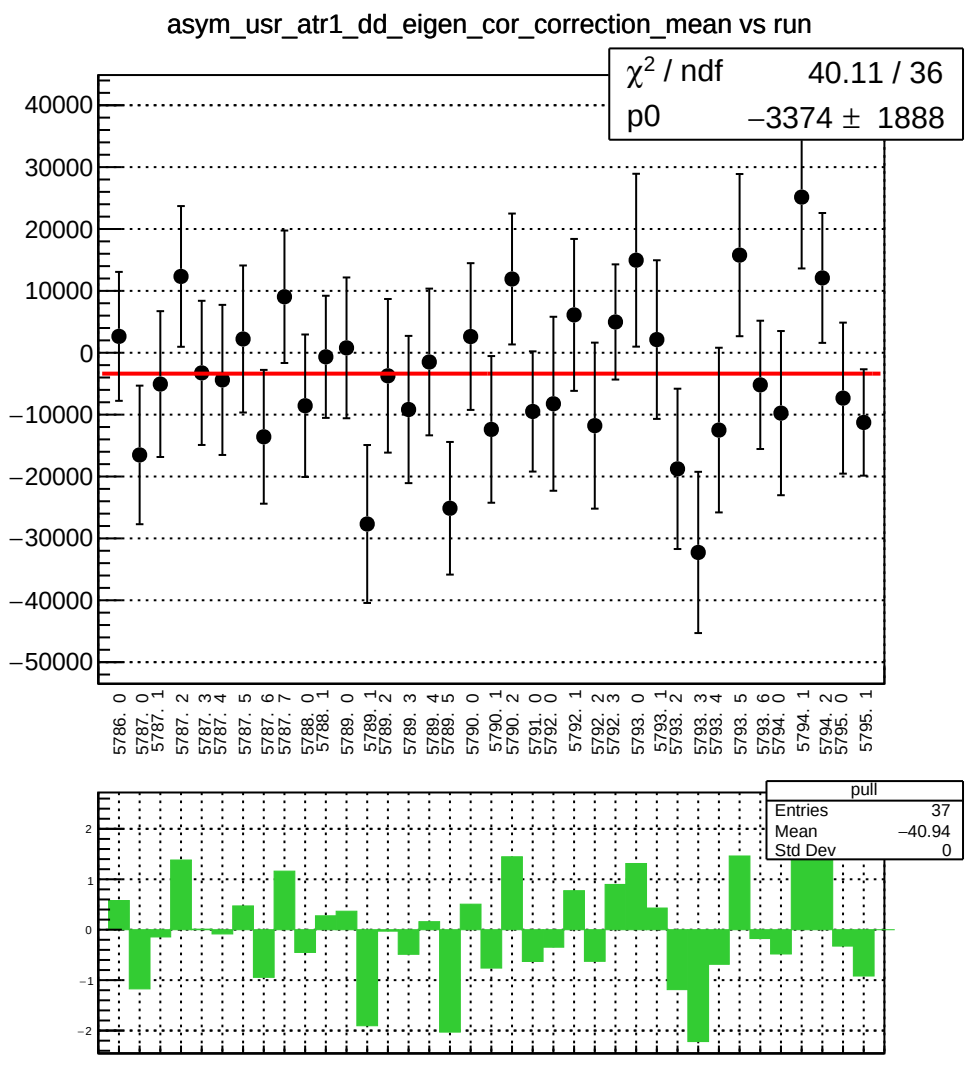

asym_usr_atr1_dd_cor_correction_mean vs run
χ² / ndf 40.11 / 36
p0 −3374 ± 1888
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −40.94
Std Dev 0
2
1
0
−1
−2

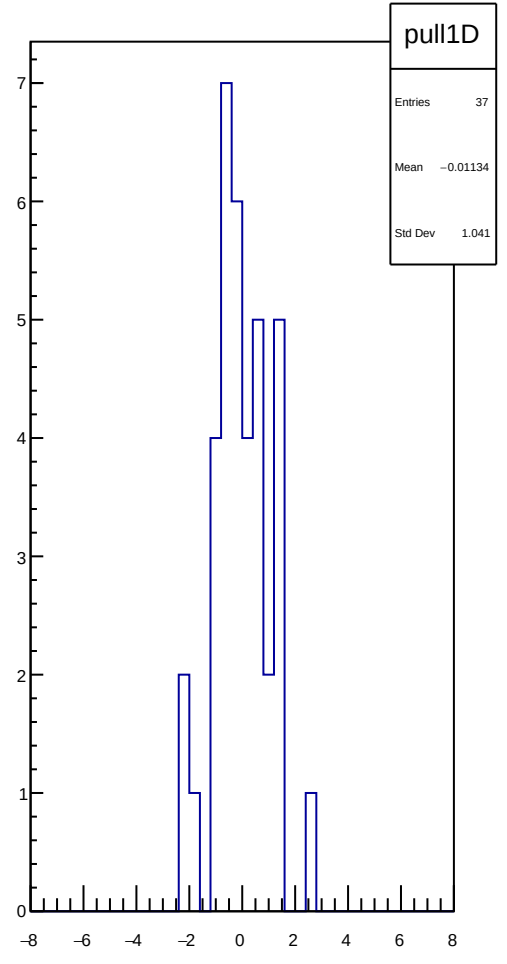

pull1D
Entries 37
Mean −0.01134
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

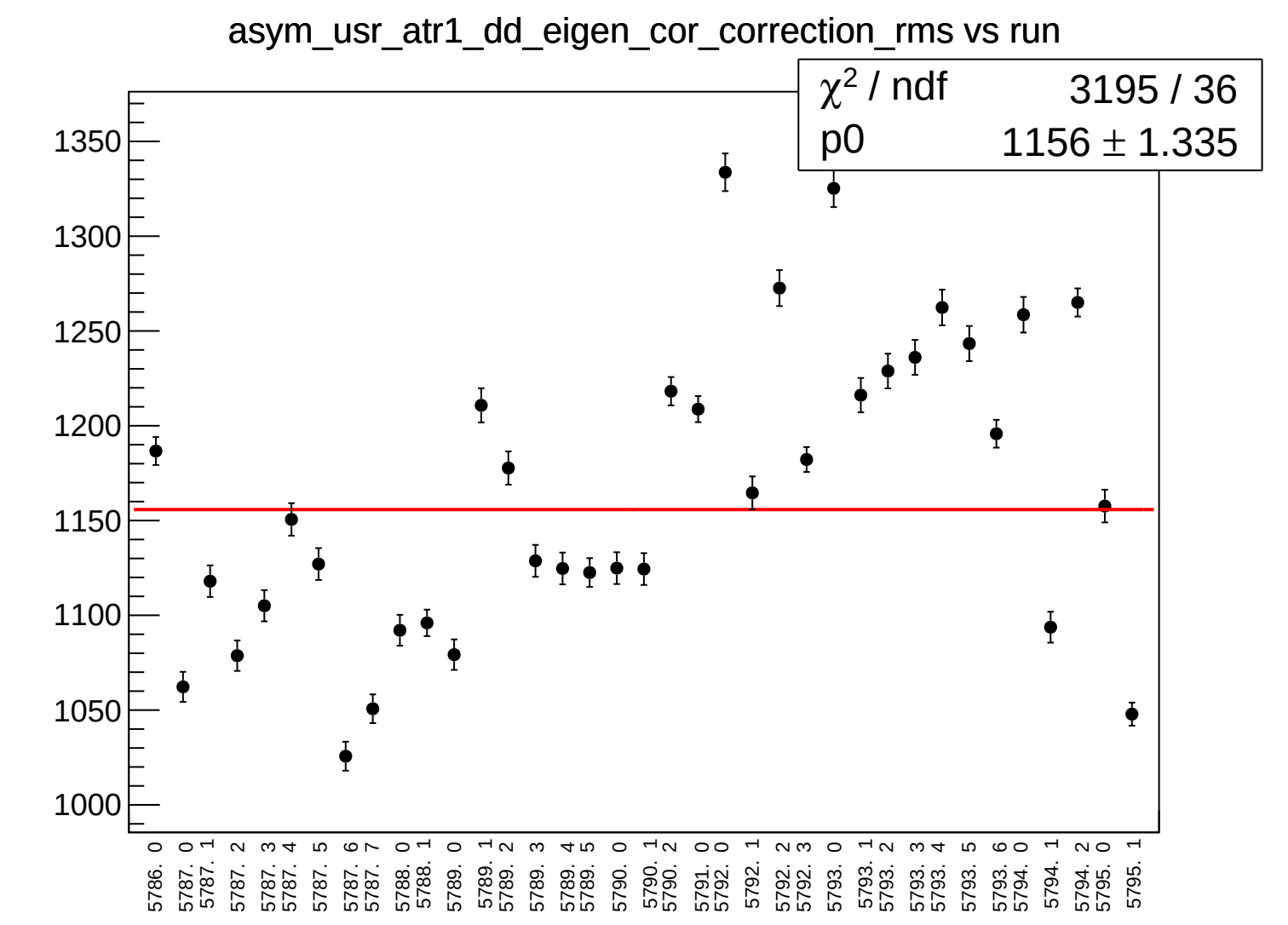

asym_usr_atr1_dd_cor_correction_rms vs run
χ² / ndf 3195 / 36
p0 1156 ± 1.335
1350
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

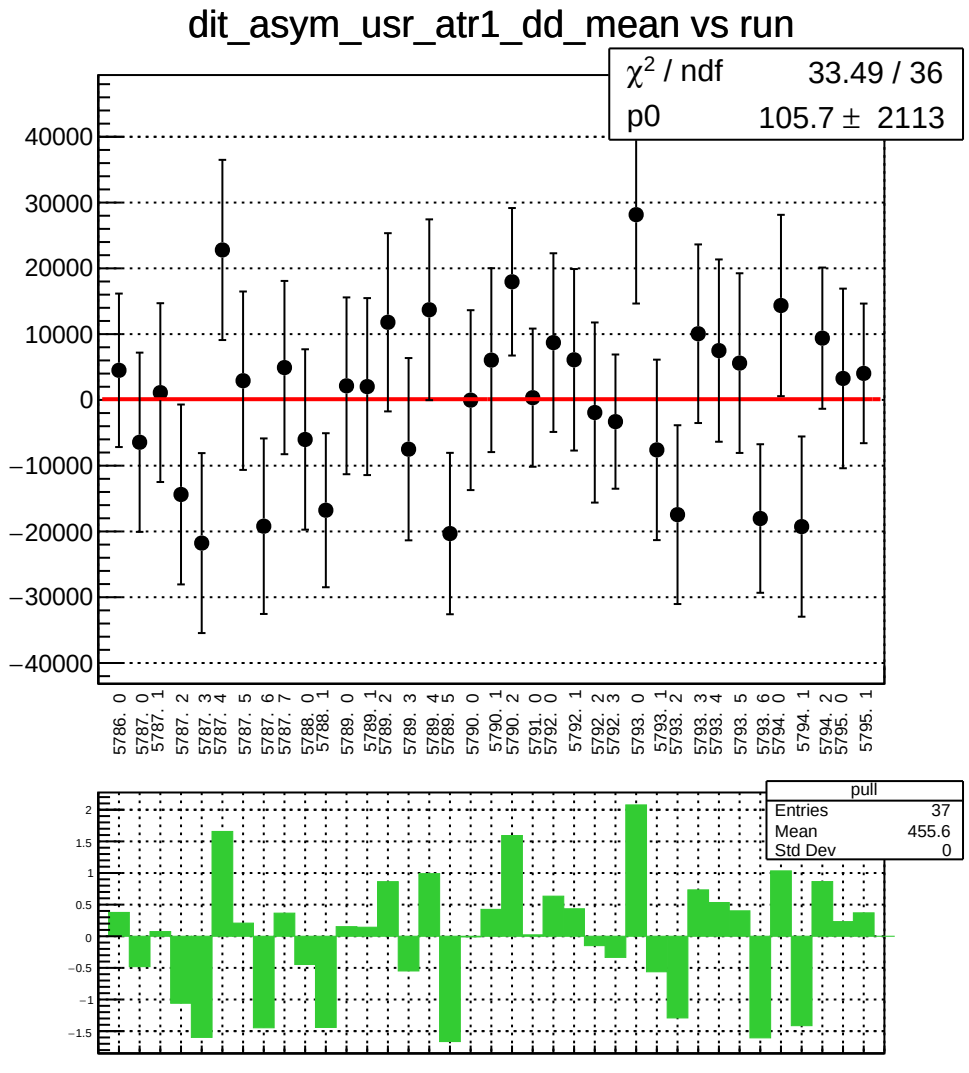

eigen_cor_asym_usr_atr1_dd_mean vs run
χ² / ndf 33.87 / 36
p0 −7.525 ± 2112
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 657.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.002485
Std Dev 0.9568
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

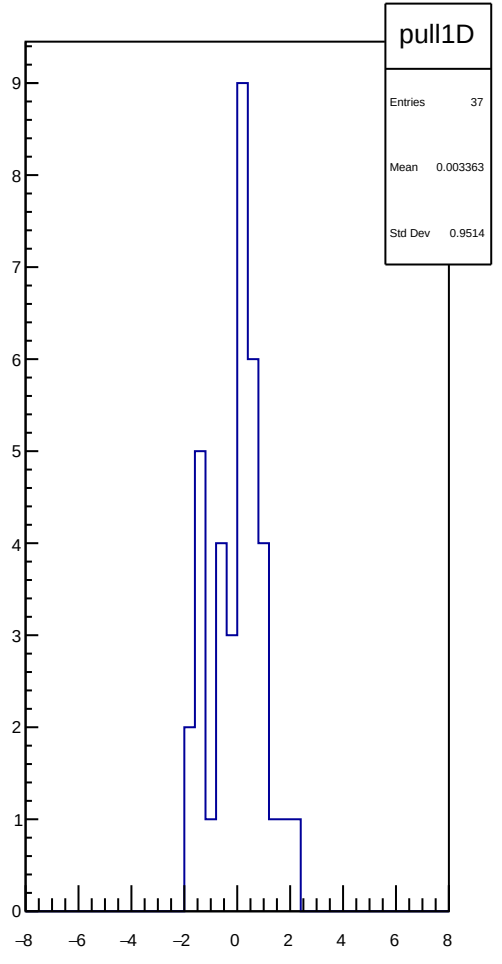

eigen_cor_asym_usr_atr1_dd_rms vs run
χ^2 / ndf 69.07 / 36
p0 1296 ± 1.493
1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

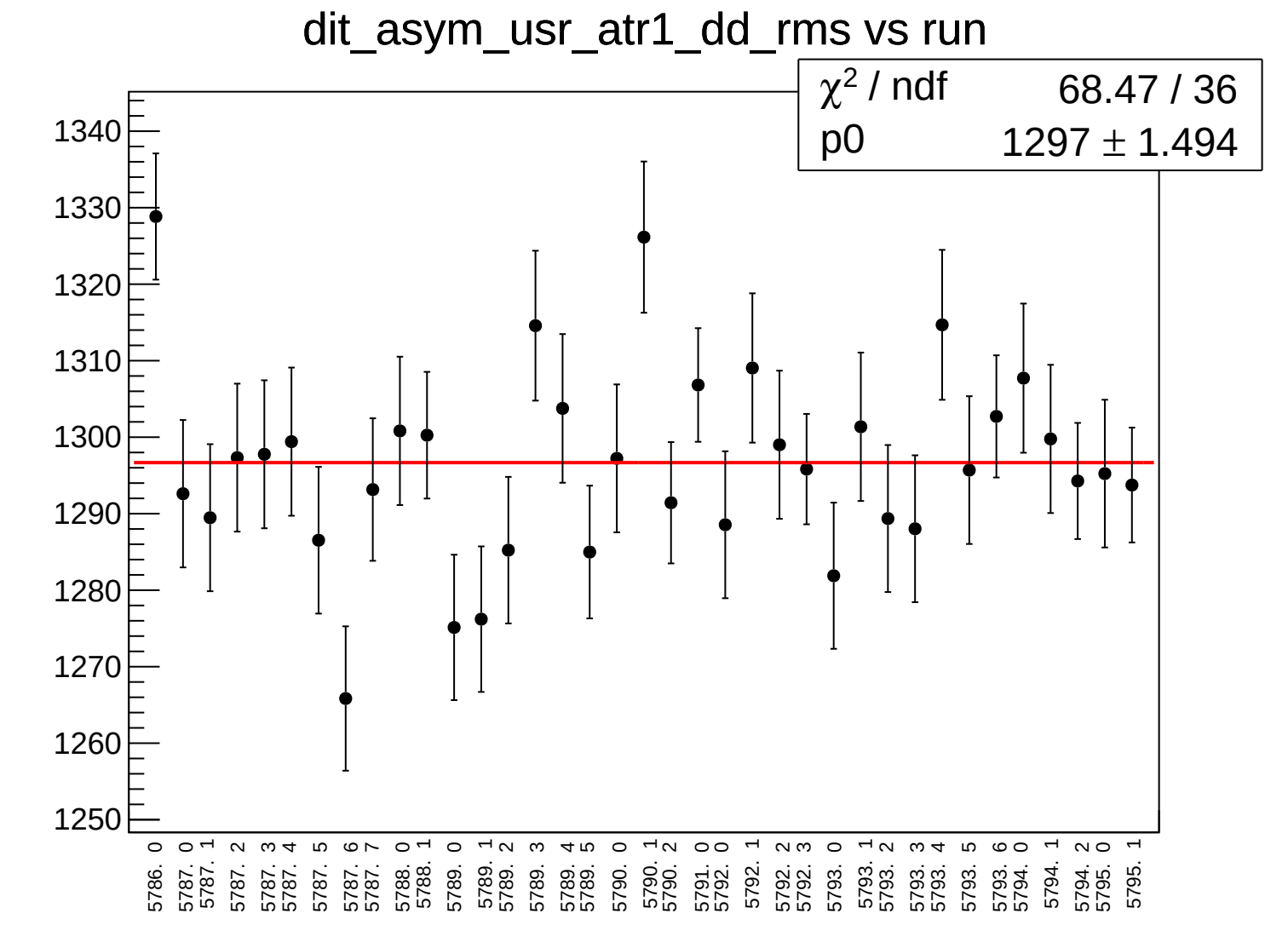

asym_usr_atr1_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.11 / 36
p0 −3374 ± 1888
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −40.94
Std Dev 0
2
1
0
−1
−2

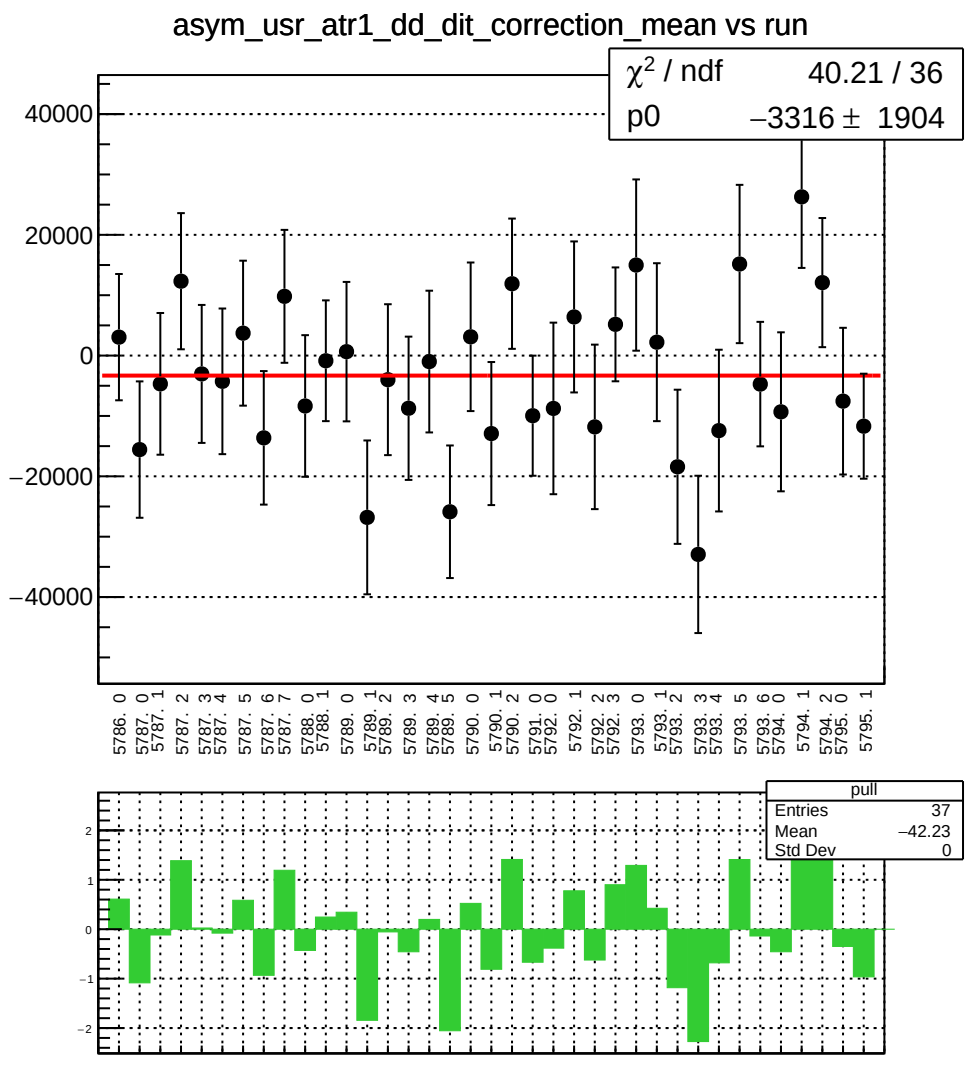

pull1D
Entries 37
Mean −0.01134
Std Dev 1.041
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

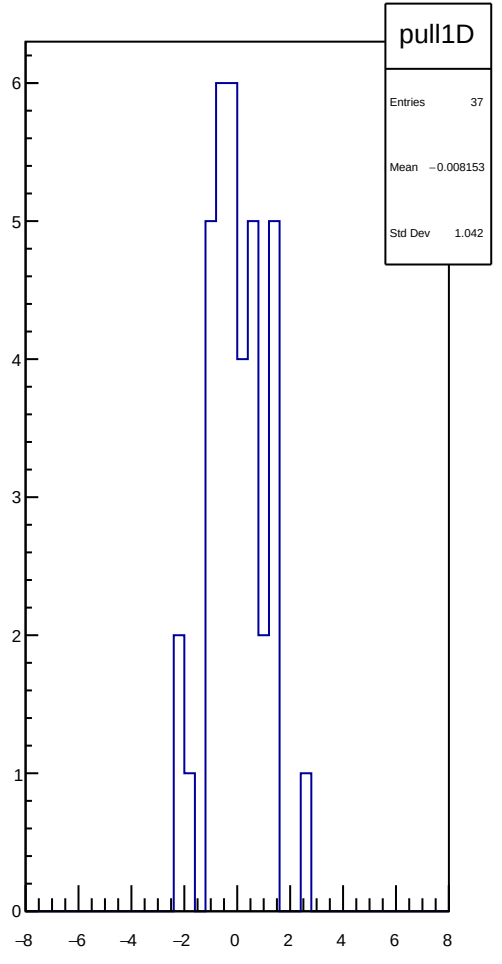

asym_usr_atr1_dd_eigen_cor_correction_rms vs run
χ² / ndf 3195 / 36
p0 1156 ± 1.335
1350
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

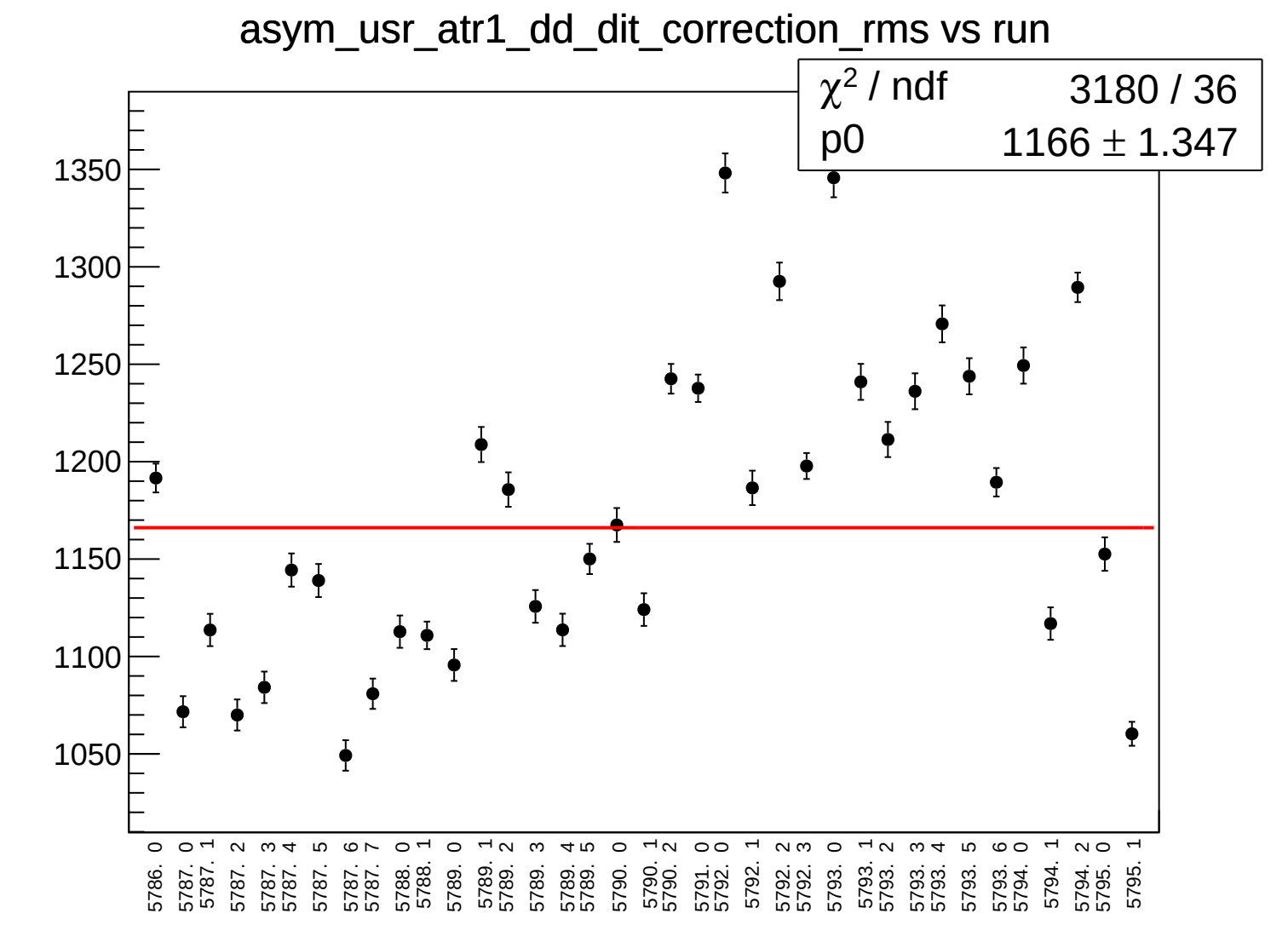

dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 33.49 / 36
p0 105.7 ± 2113
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 455.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

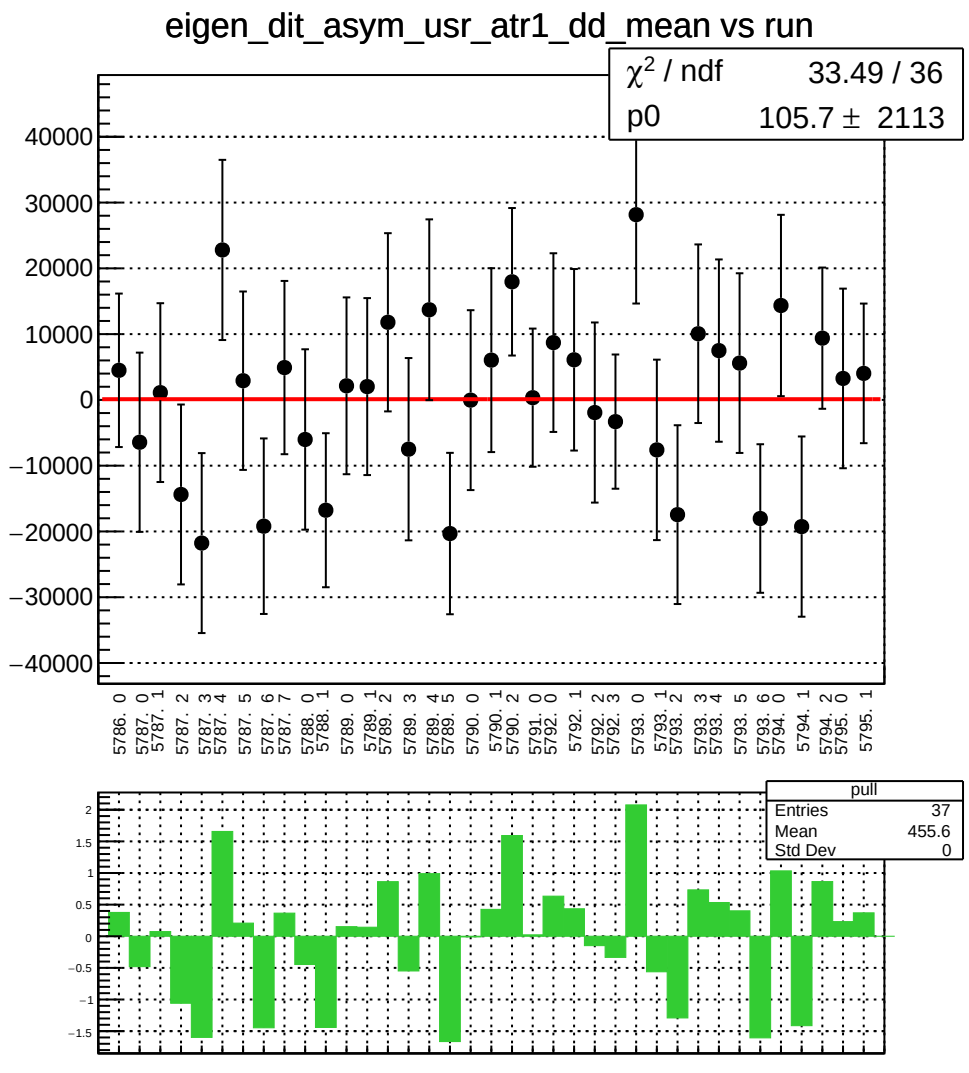

pull1D
Entries 37
Mean 0.003363
Std Dev 0.9514
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

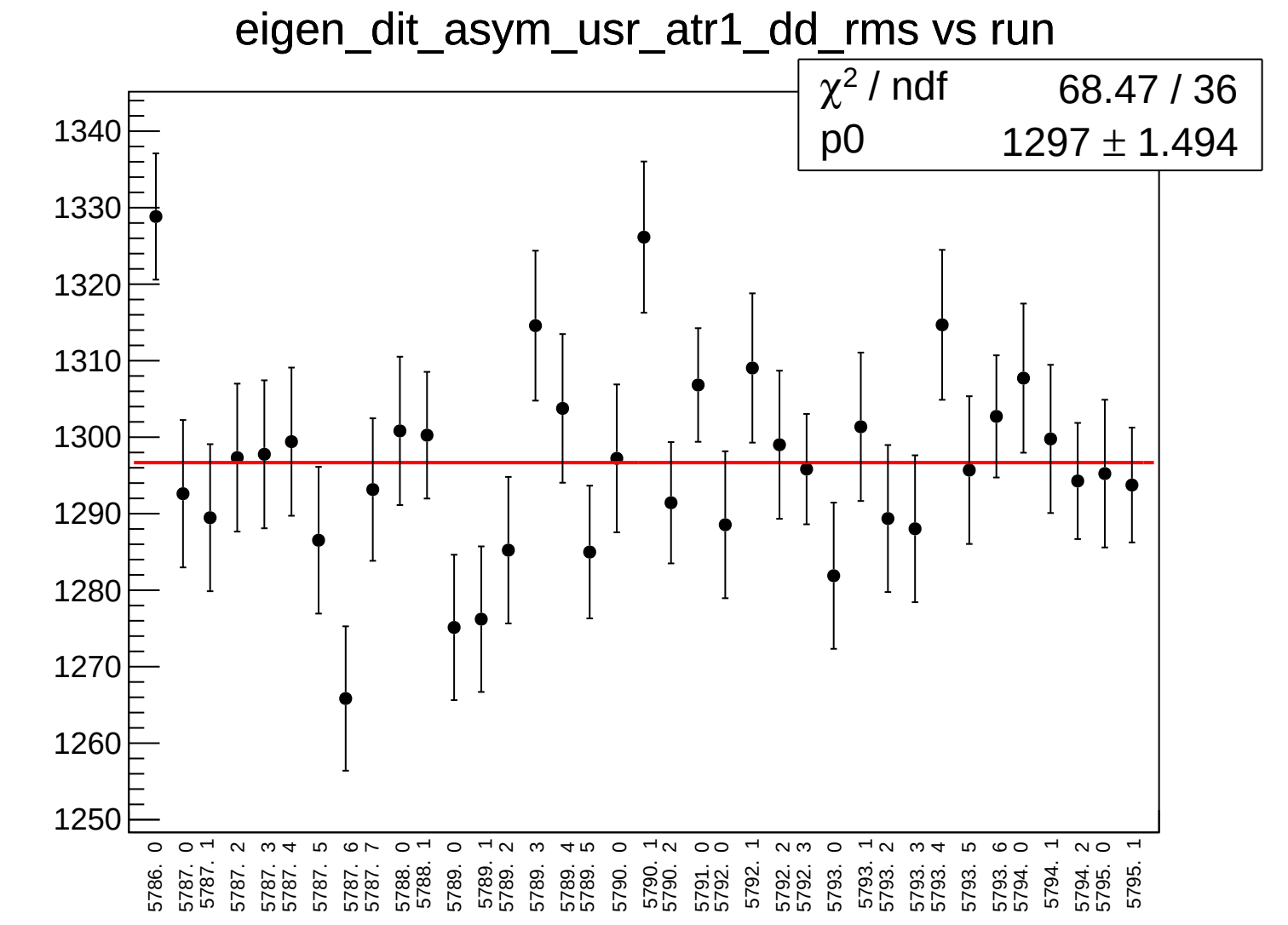

dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 68.47 / 36
p0 1297 ± 1.494
1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

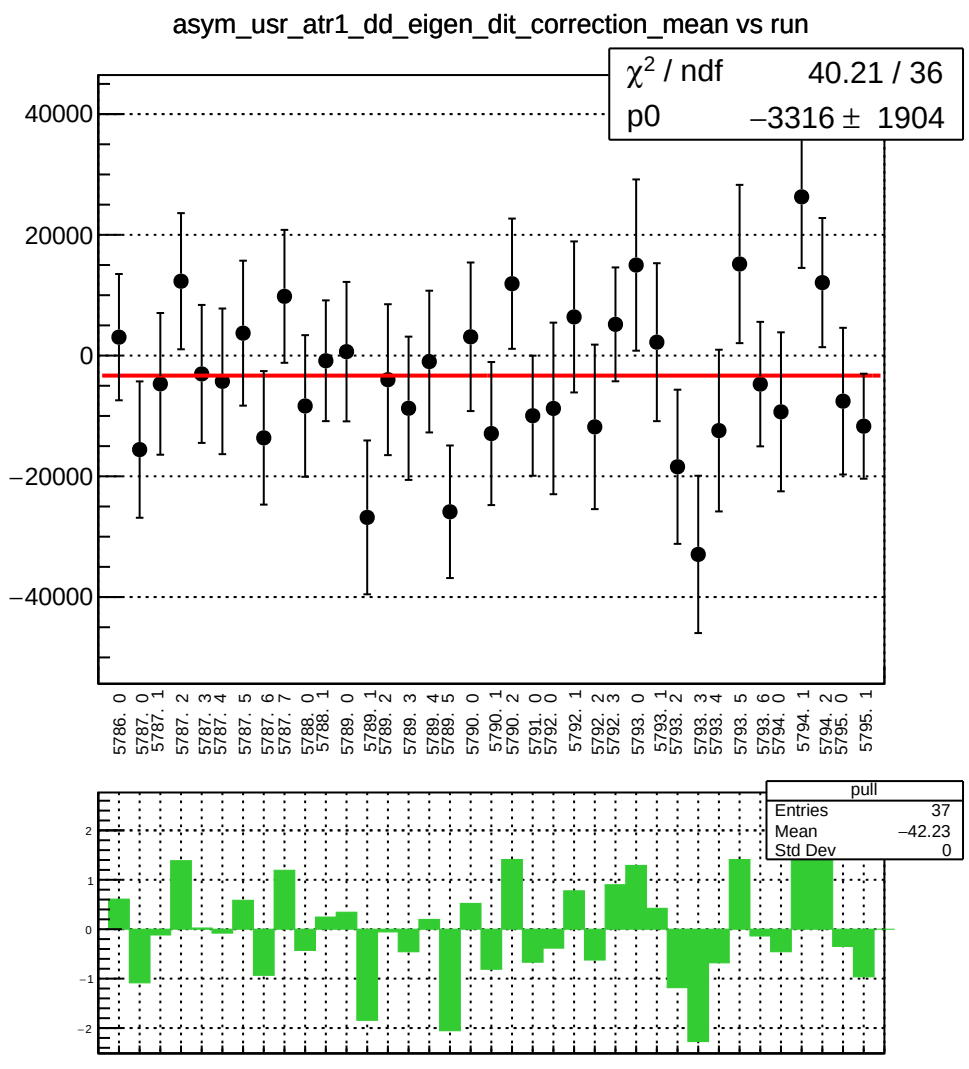

asym_usr_atr1_dd_dit_correction_mean vs run
χ² / ndf 40.21 / 36
p0 −3316 ± 1904
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.23
Std Dev 0
2
1
0
−1
−2

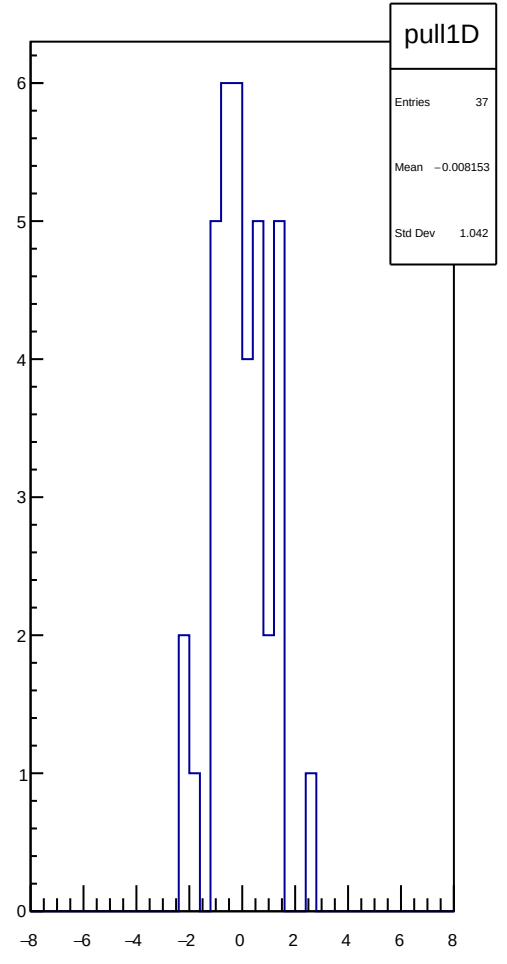

pull1D
Entries 37
Mean −0.008153
Std Dev 1.042
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

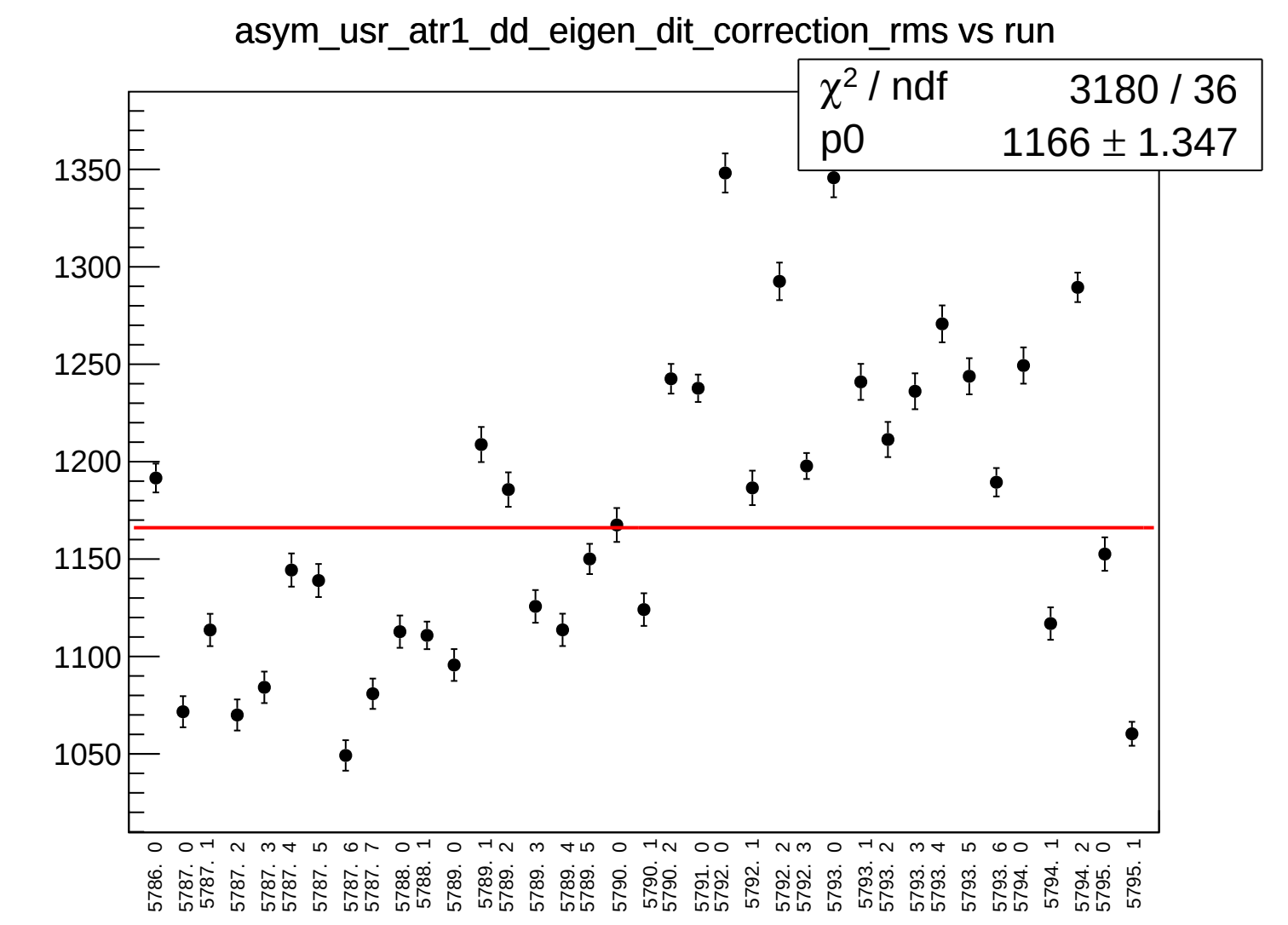

asym_usr_atr1_dd_dit_correction_rms vs run
χ² / ndf 3180 / 36
p0 1166 ± 1.347
1350
1300
1250
1200
1150
1100
1050
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

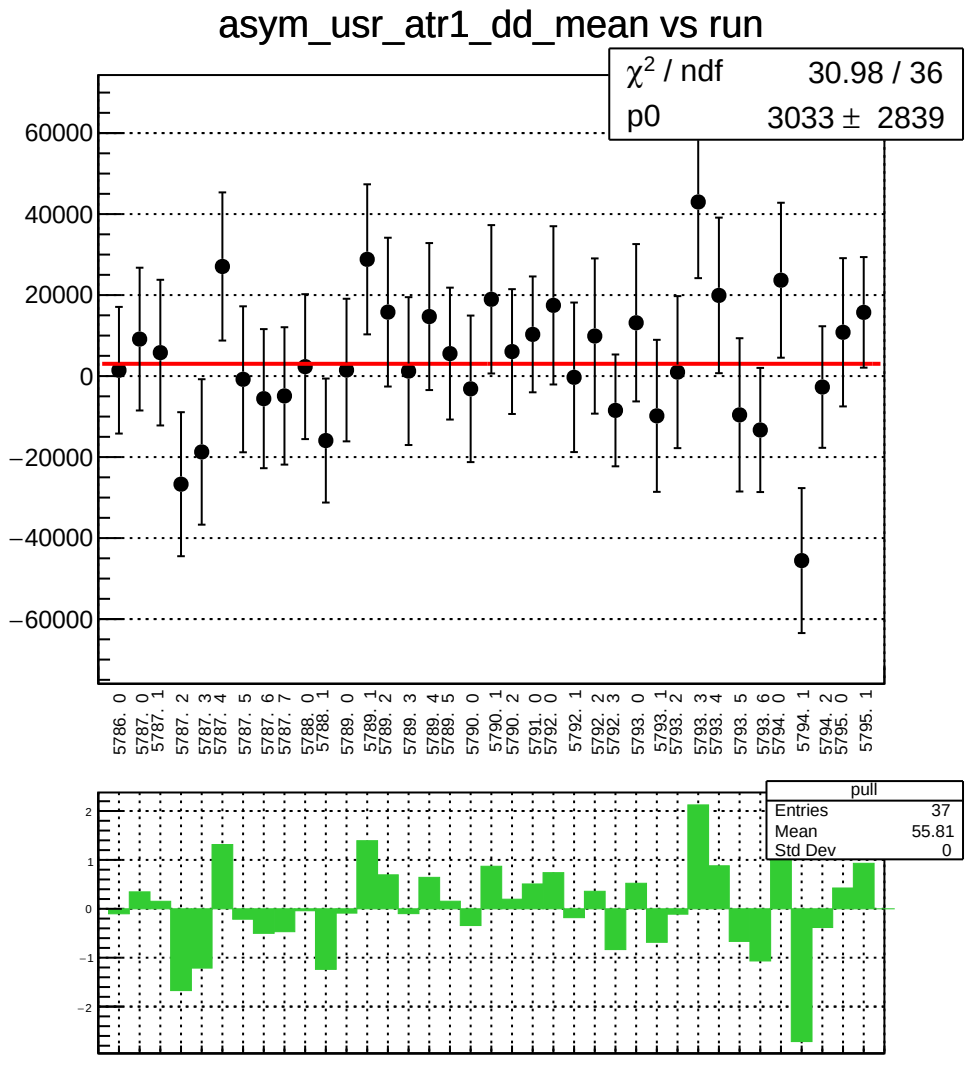

eigen_dit_asym_usr_atr1_dd_mean vs run
χ² / ndf 33.49 / 36
p0 105.7 ± 2113
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 455.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.003363
Std Dev 0.9514
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

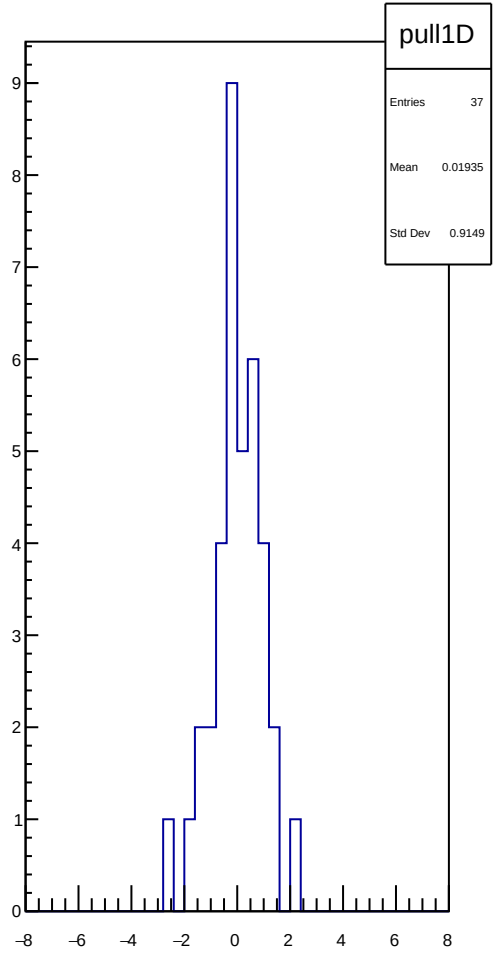

eigen_dit_asym_usr_atr1_dd_rms vs run
χ² / ndf 68.47 / 36
p0 1297 ± 1.494
1340
1330
1320
1310
1300
1290
1280
1270
1260
1250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

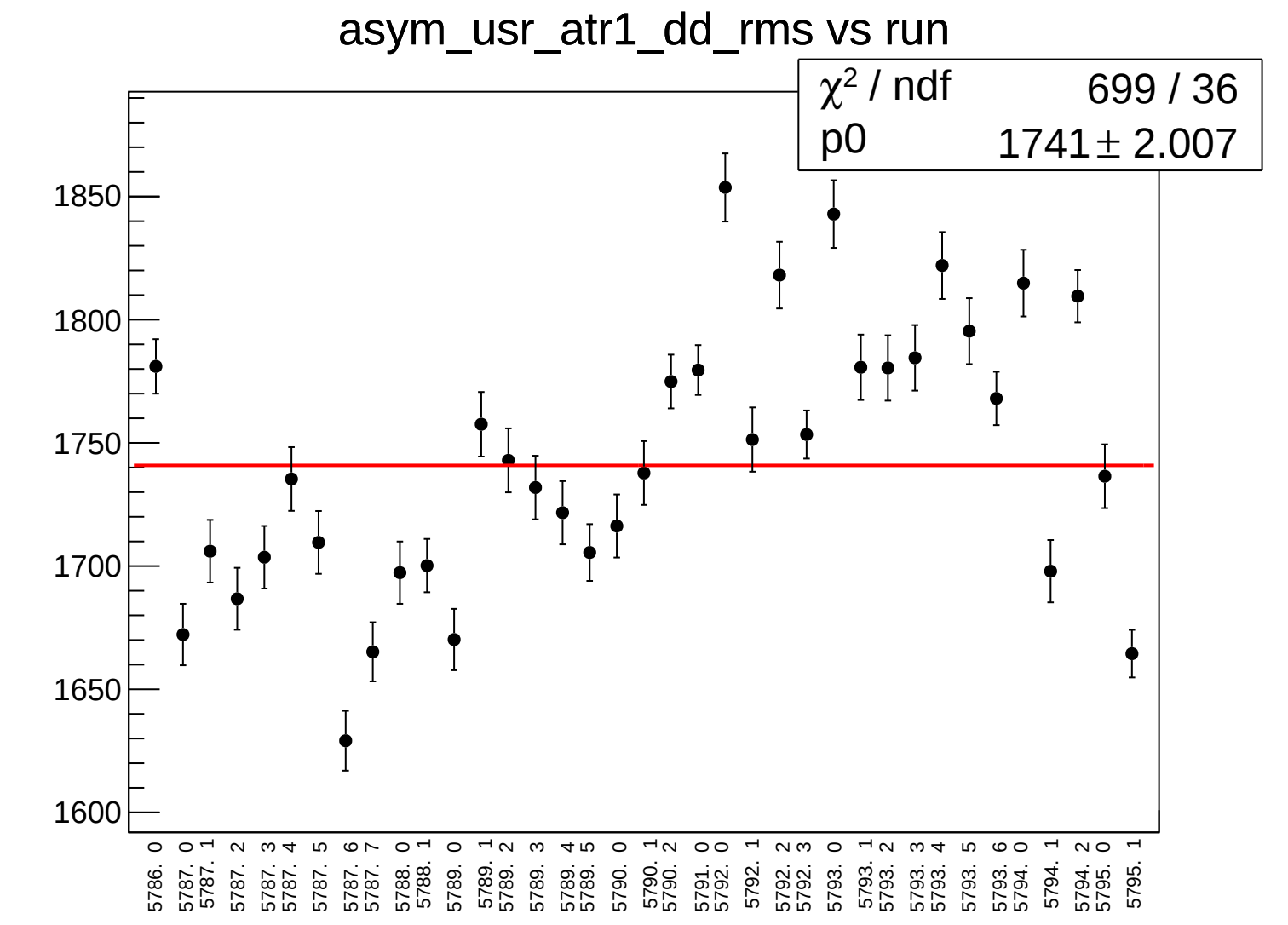

asym_usr_atr1_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.21 / 36
p0 −3316 ± 1904
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.23
Std Dev 0
2
1
0
−1
−2

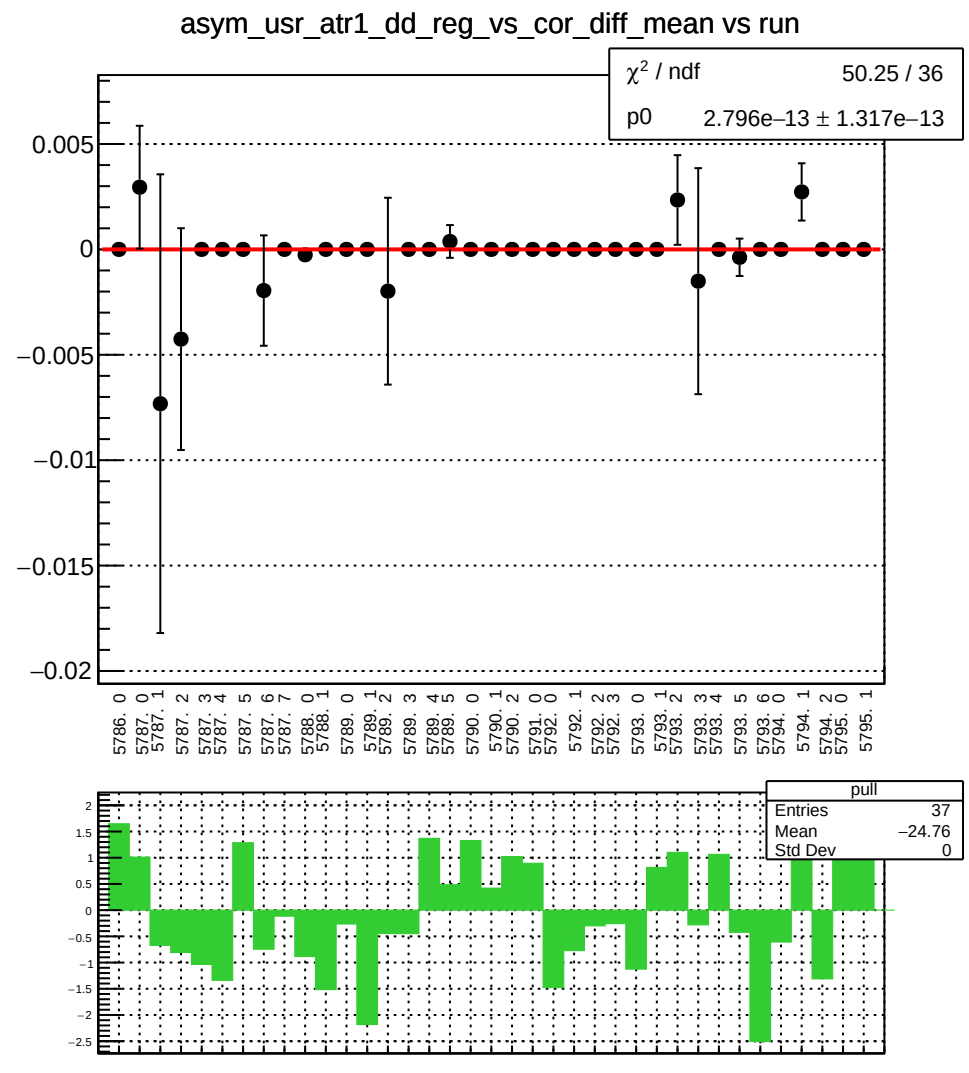

pull1D
Entries 37
Mean −0.008153
Std Dev 1.042
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

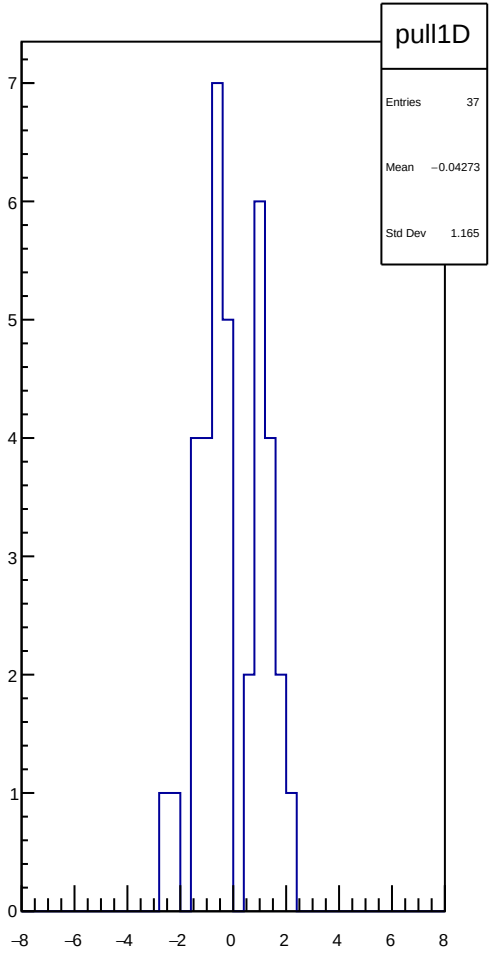

asym_usr_atr1_dd_eigen_dit_correction_rms vs run
χ² / ndf 3180 / 36
p0 1166 ± 1.347
1350
1300
1250
1200
1150
1100
1050
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

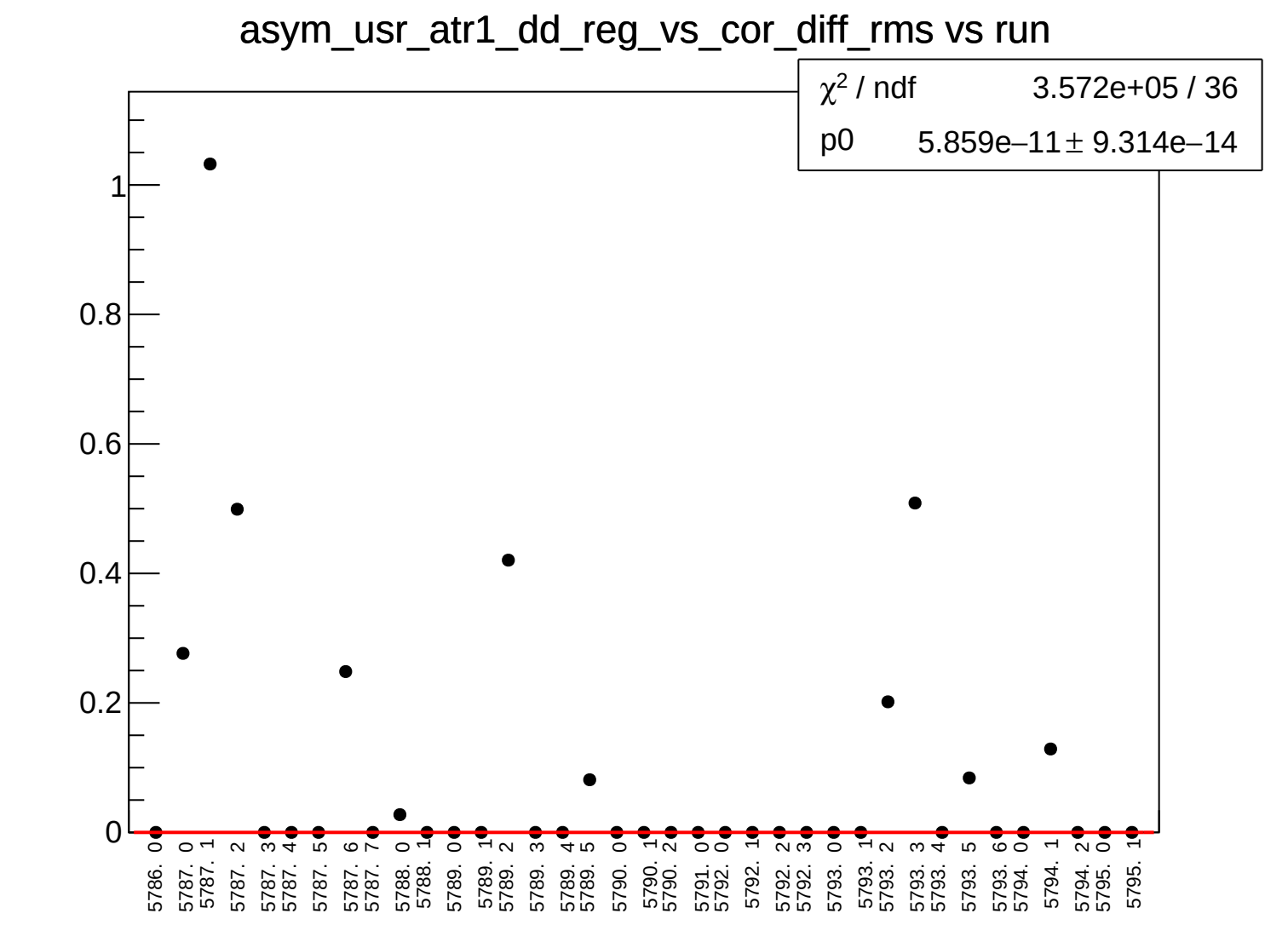

asym_usr_atr1_dd_mean vs run
χ² / ndf 30.98 / 36
p0 3033 ± 2839
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 55.81
Std Dev 0
2
1
0
−1
−2

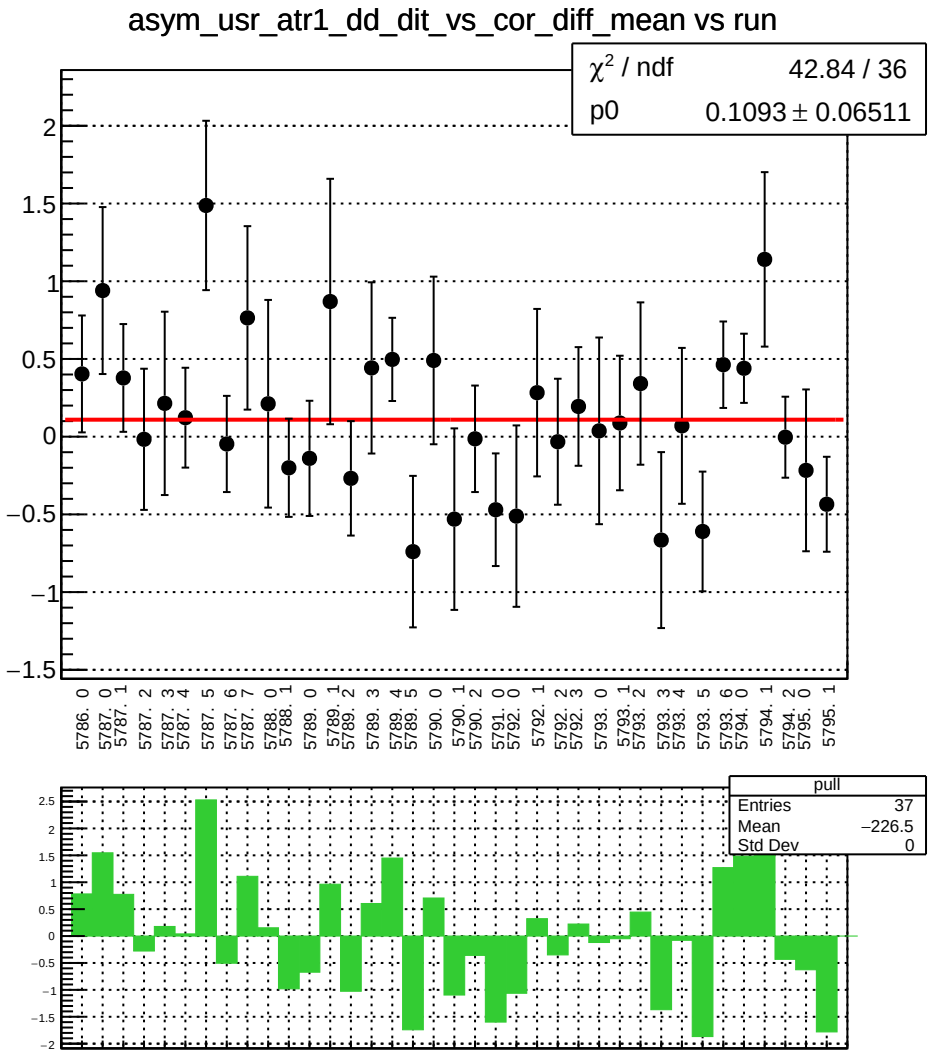

pull1D
Entries 37
Mean 0.01935
Std Dev 0.9149
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

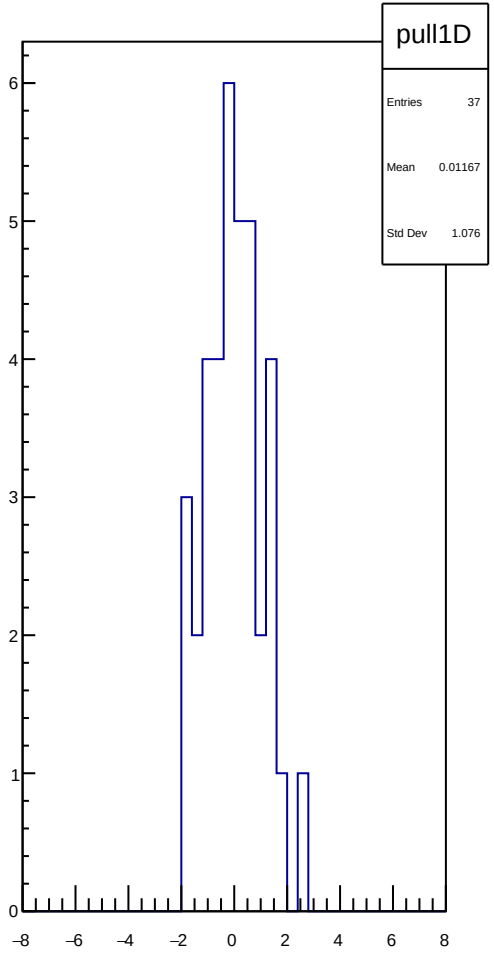

asym_usr_atr1_dd_rms vs run
χ² / ndf 699 / 36
p0 1741 ± 2.007
1850
1800
1750
1700
1650
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

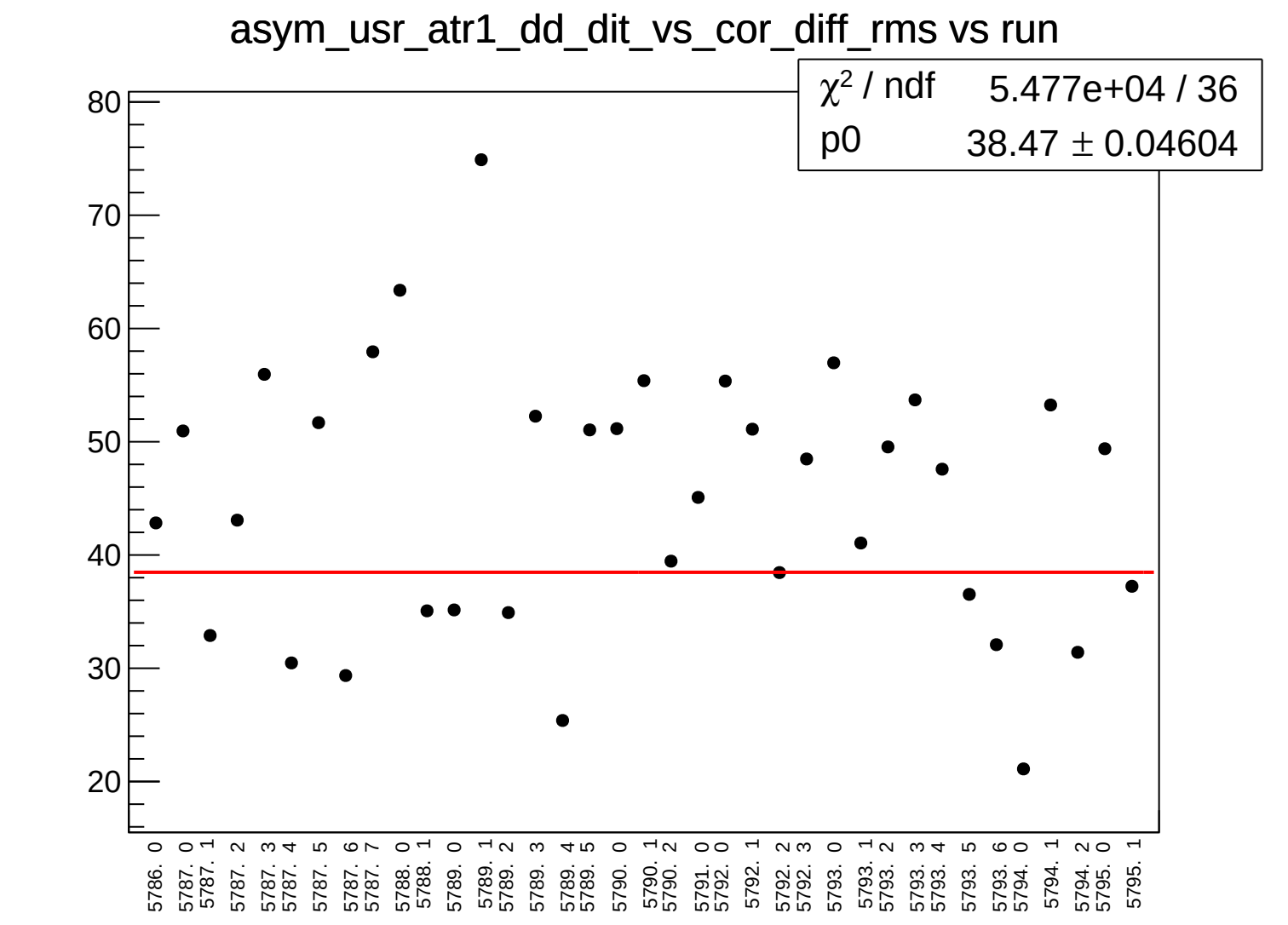

asym_usr_atr1_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.25 / 36
p0 2.796e−13 ± 1.317e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −24.76
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

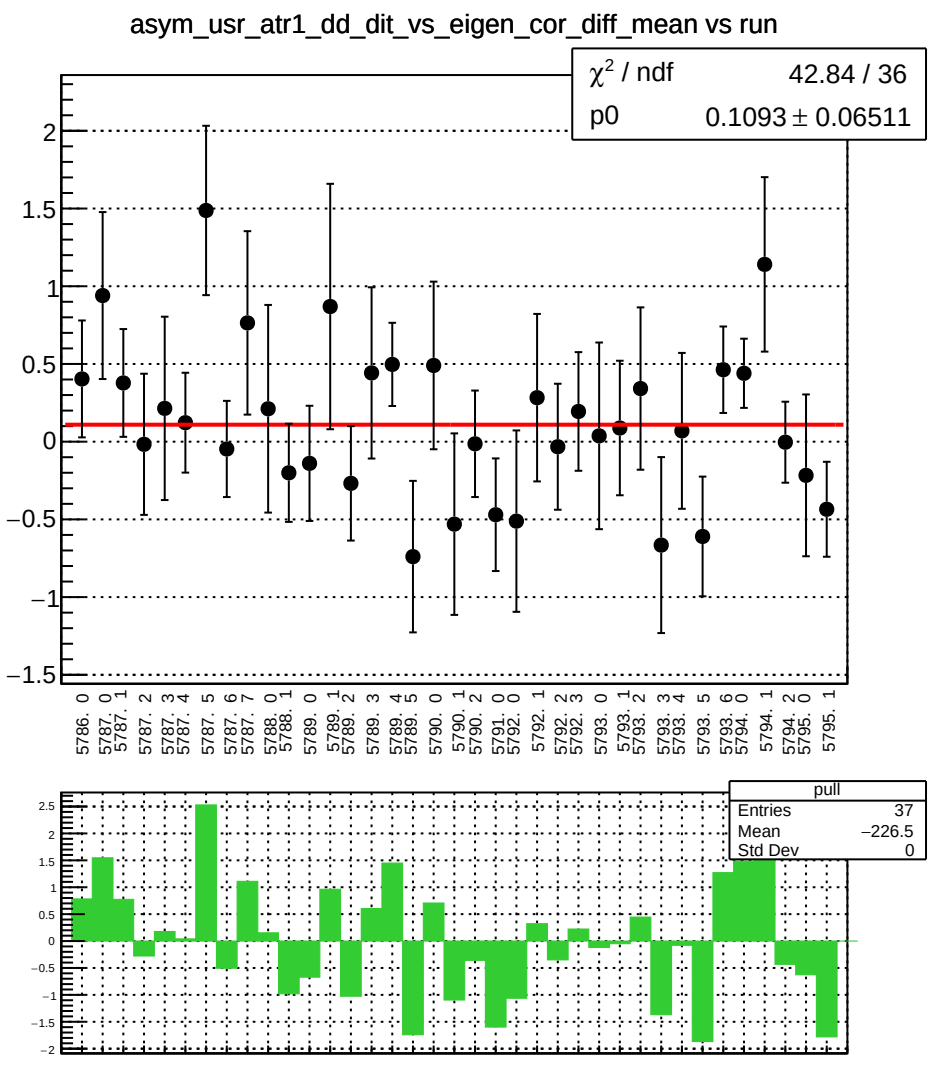

pull1D
Entries 37
Mean −0.04273
Std Dev 1.165
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

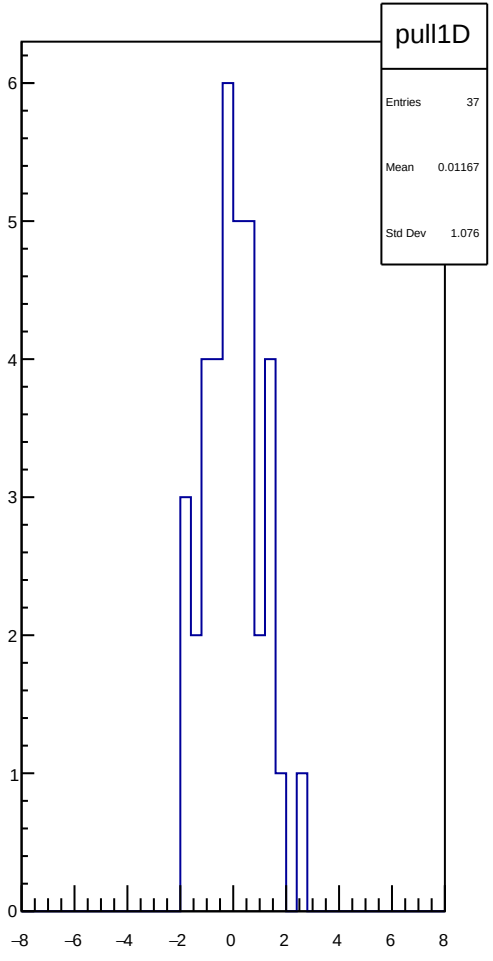

asym_usr_atr1_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.572e+05 / 36
p0 5.859e−11 ± 9.314e−14
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

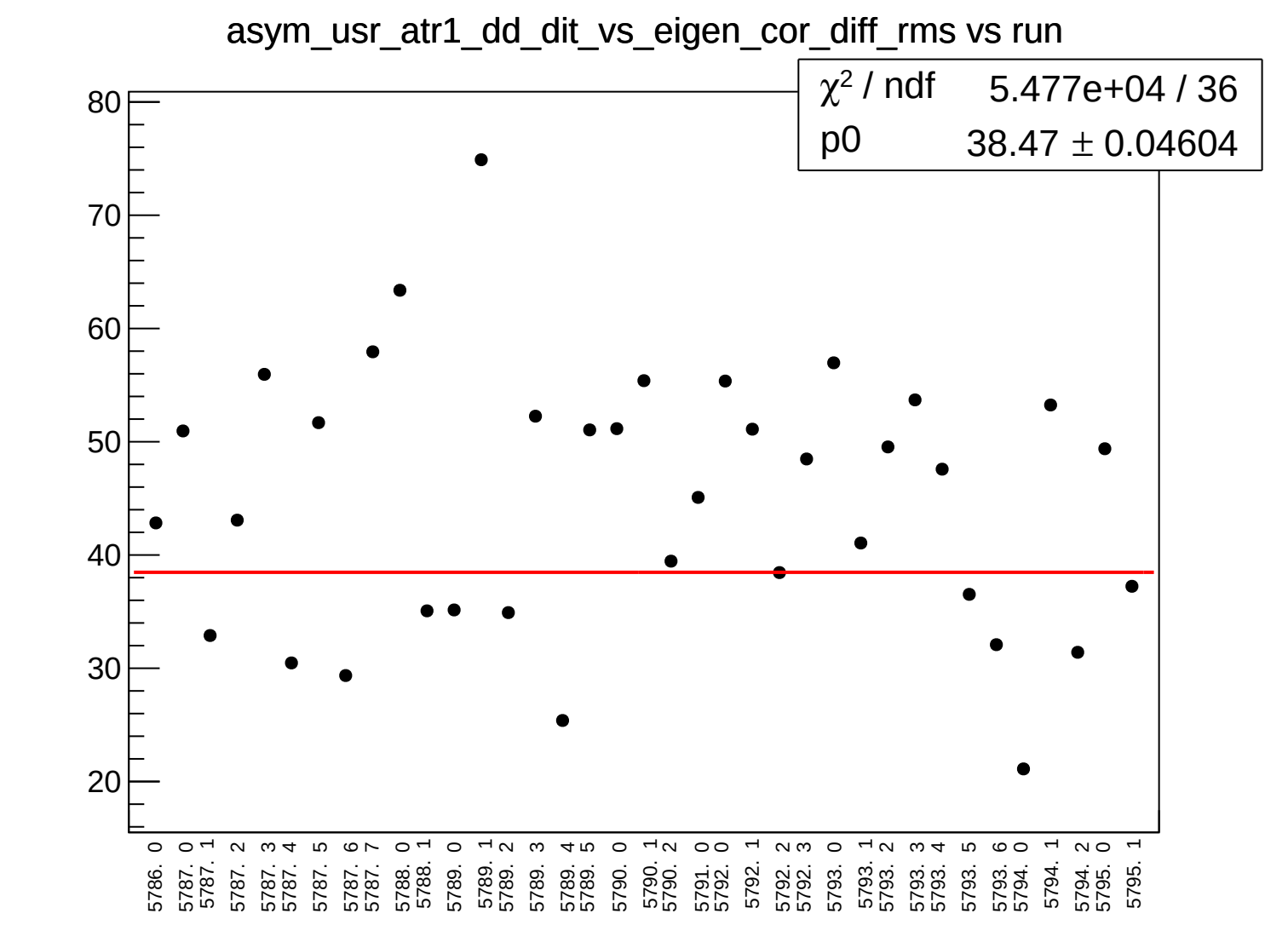

asym_usr_atr1_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.84 / 36
p0 0.1093 ± 0.06511
pull
Entries 37
Mean −226.5
Std Dev 0

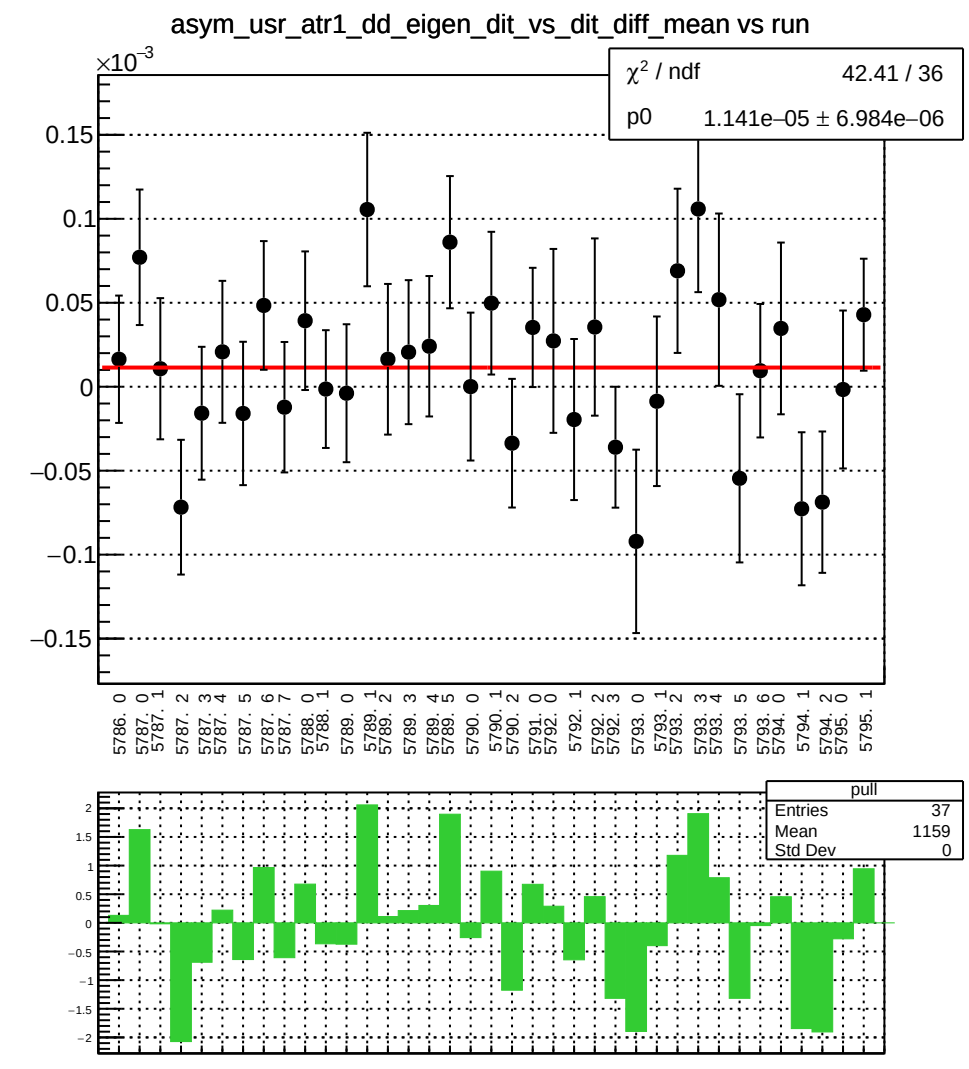

pull1D
Entries 37
Mean 0.01167
Std Dev 1.076

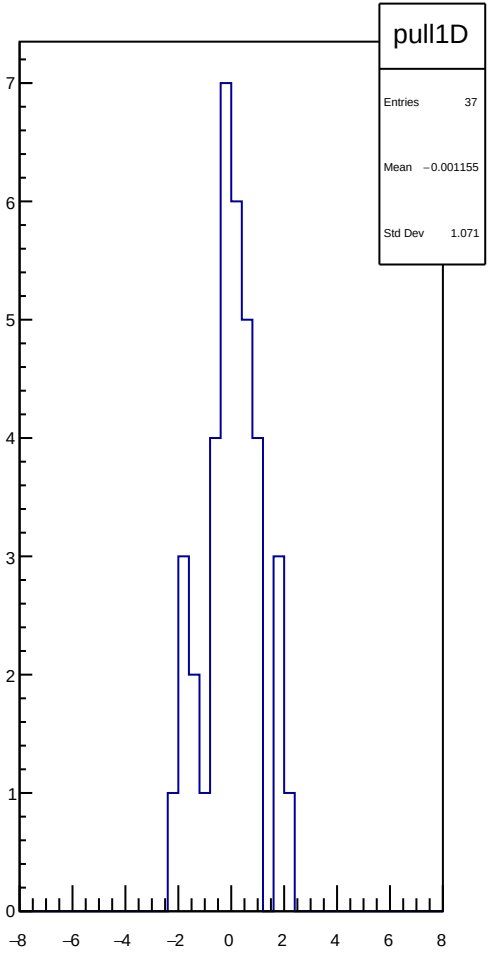

asym_usr_atr1_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 5.477e+04 / 36
p0 38.47 ± 0.04604
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

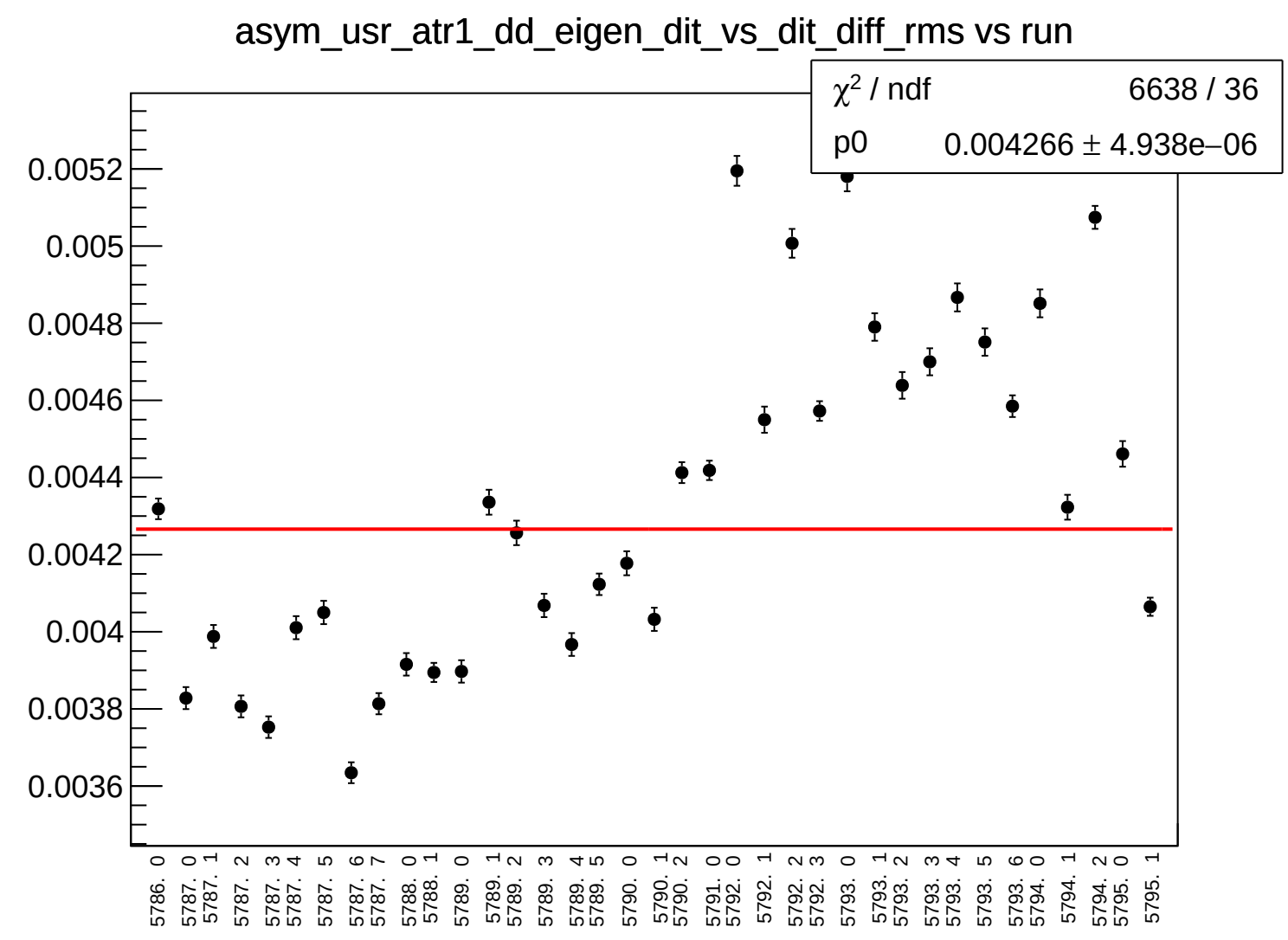

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.84 / 36
p0 0.1093 ± 0.06511
pull
Entries 37
Mean −226.5
Std Dev 0

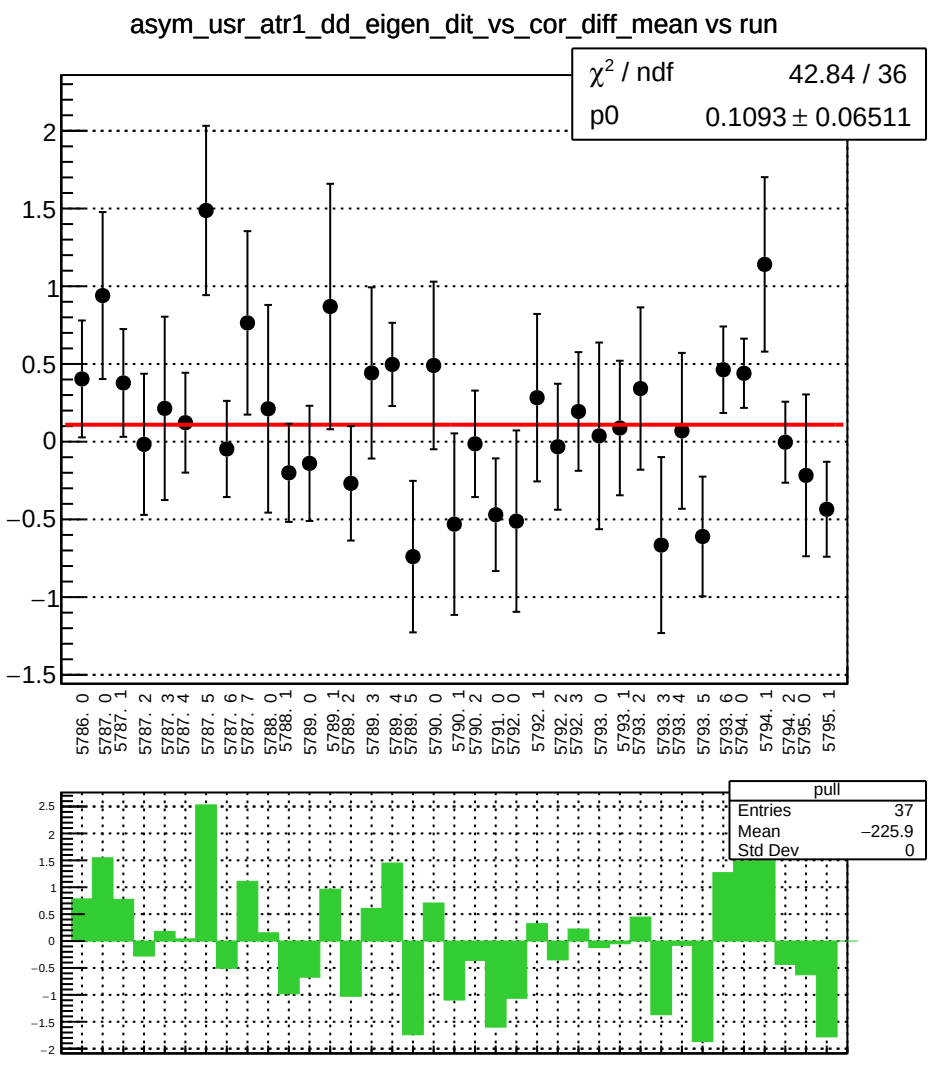

pull1D
Entries 37
Mean 0.01167
Std Dev 1.076

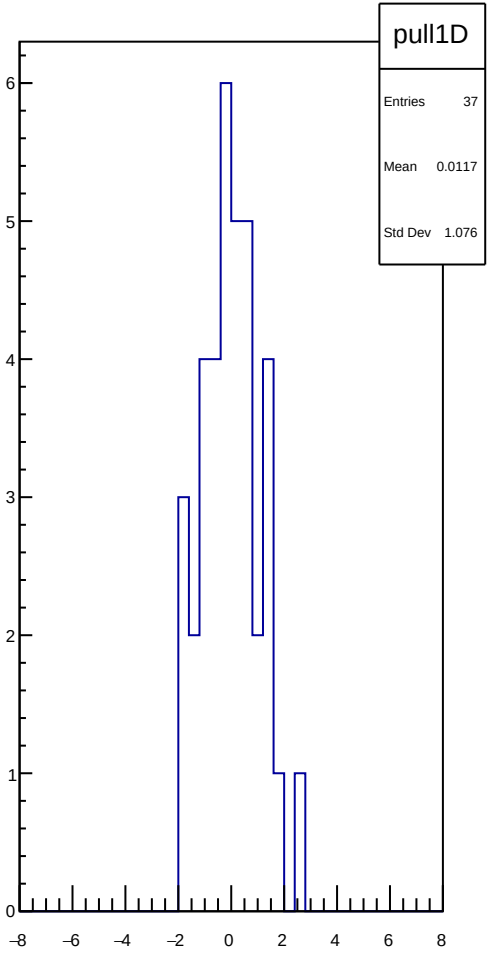

asym_usr_atr1_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.477e+04 / 36
p0 38.47 ± 0.04604
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

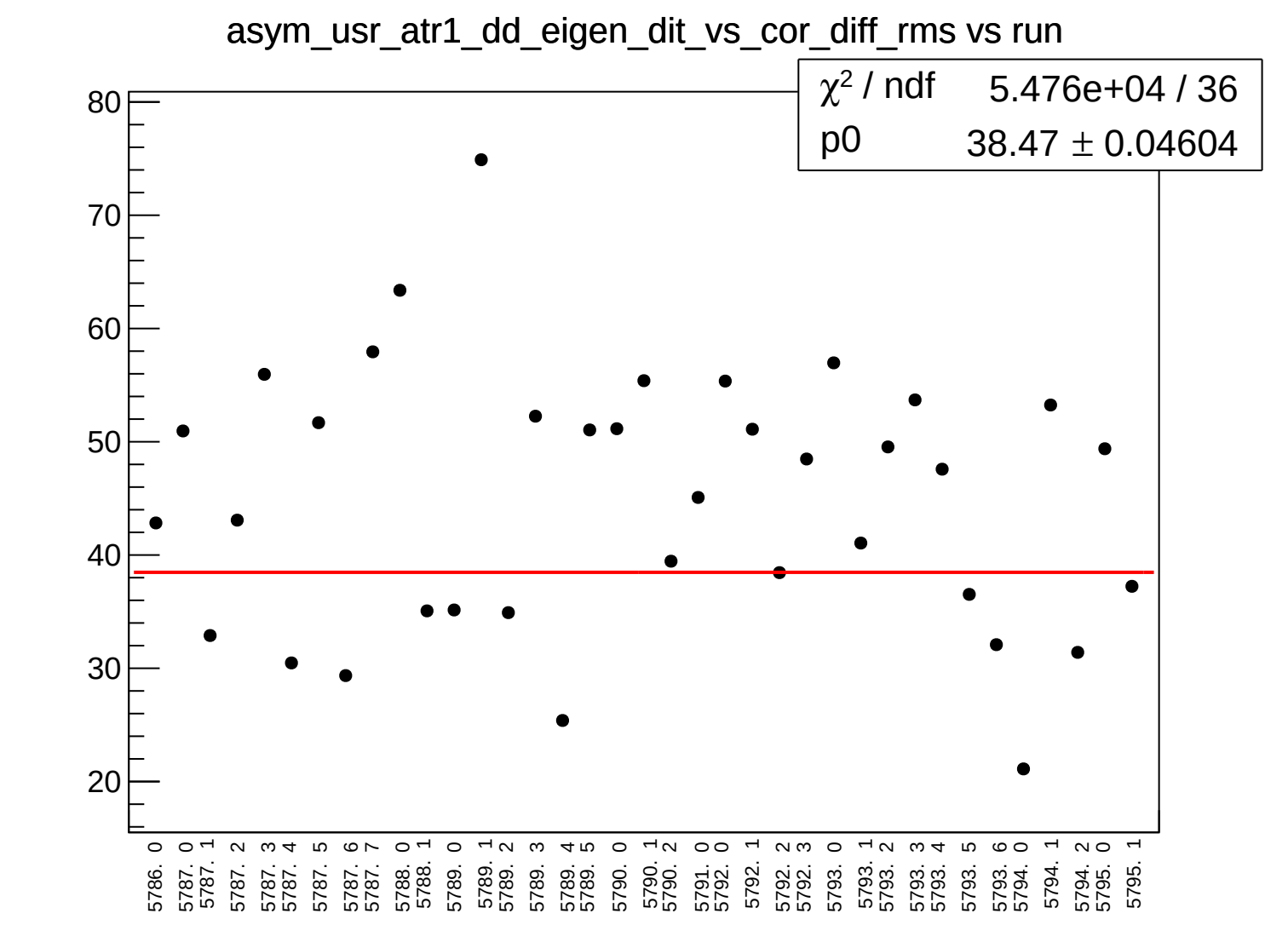

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.41 / 36
p0 1.141e−05 ± 6.984e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1159
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

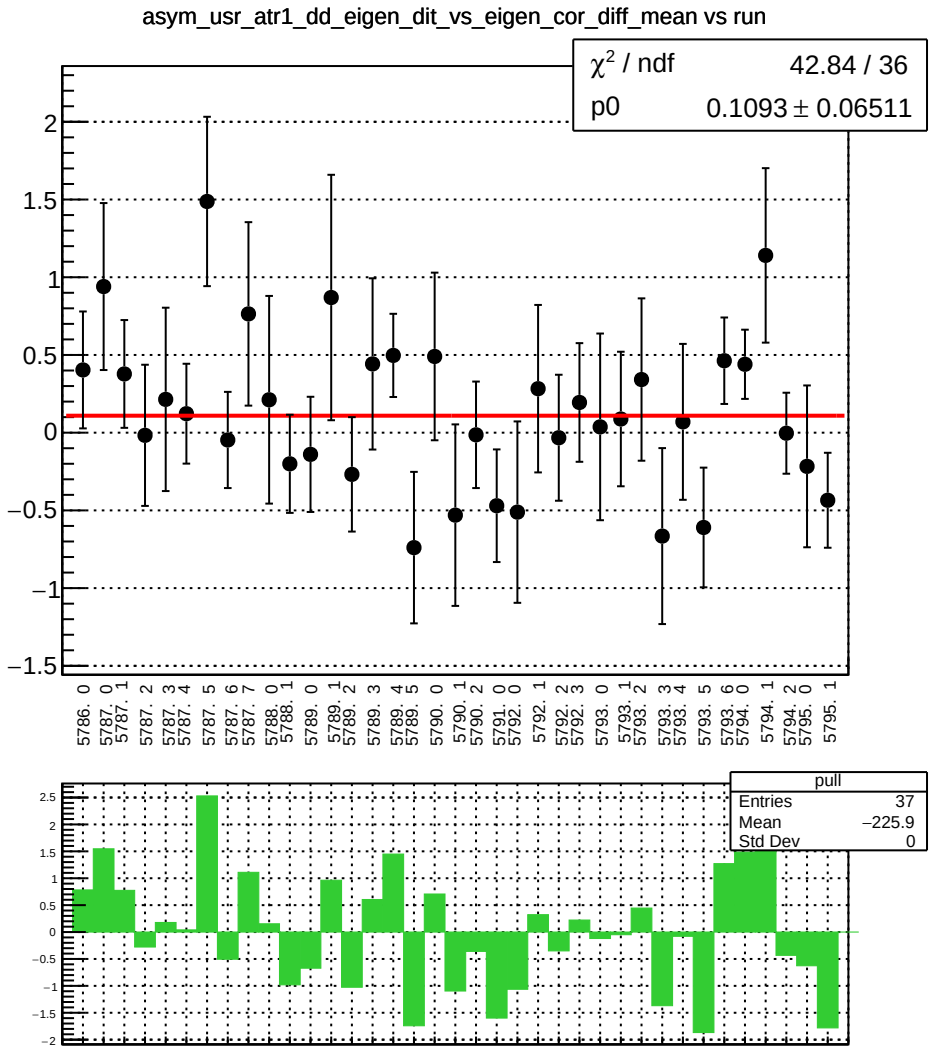

pull1D
Entries 37
Mean −0.001155
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

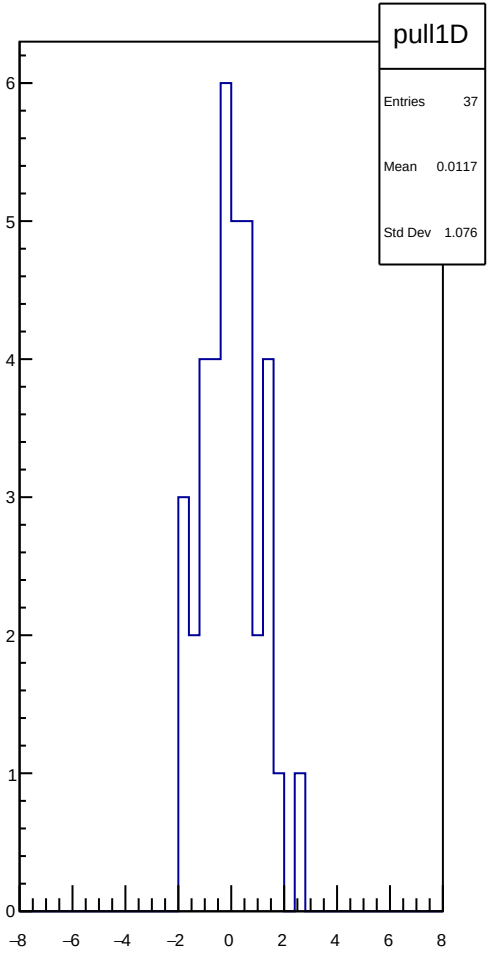

asym_usr_atr1_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6638 / 36
p0 0.004266 ± 4.938e−06
0.0052
0.005
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

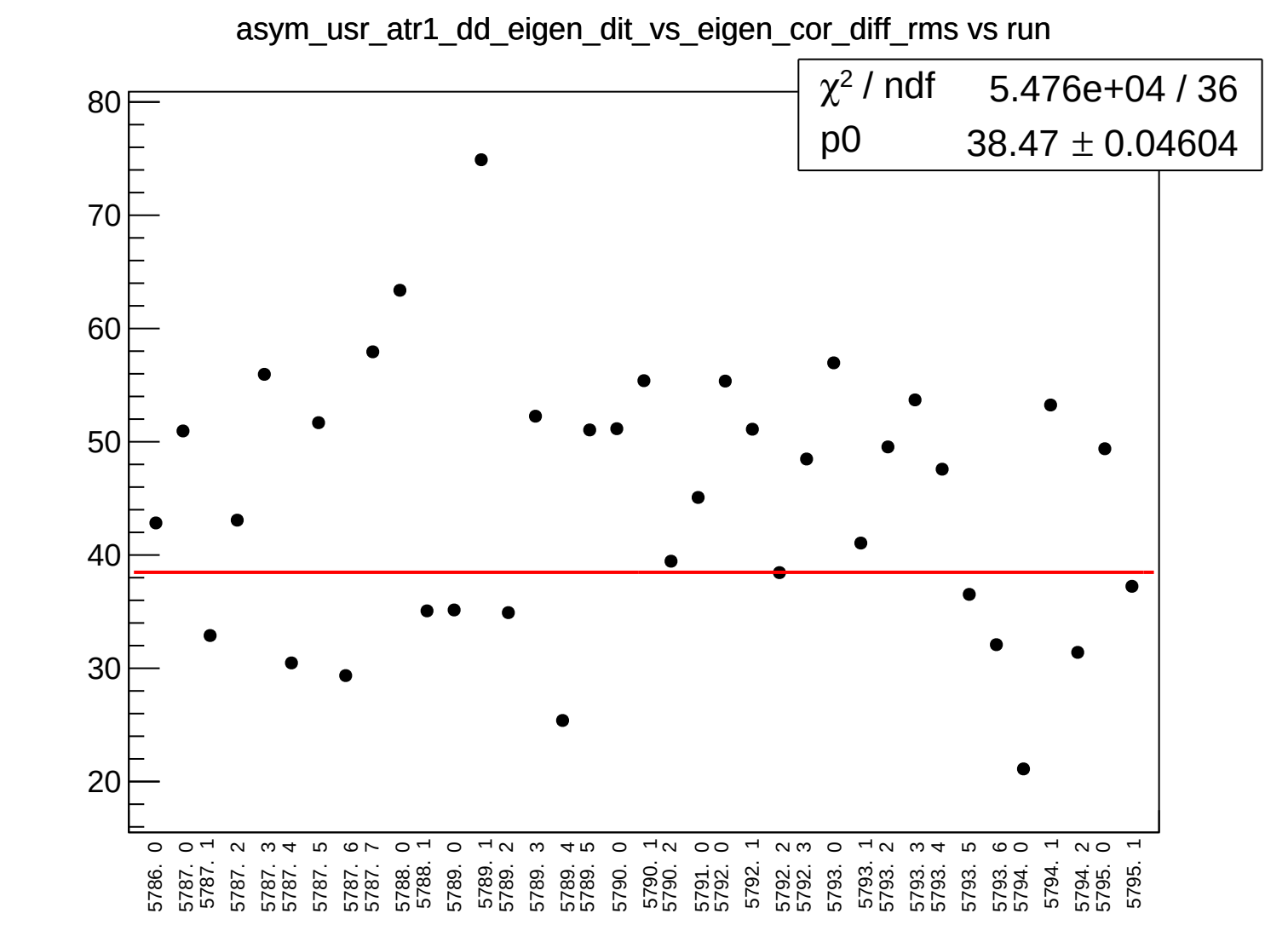

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.84 / 36
p0 0.1093 ± 0.06511
pull
Entries 37
Mean −225.9
Std Dev 0

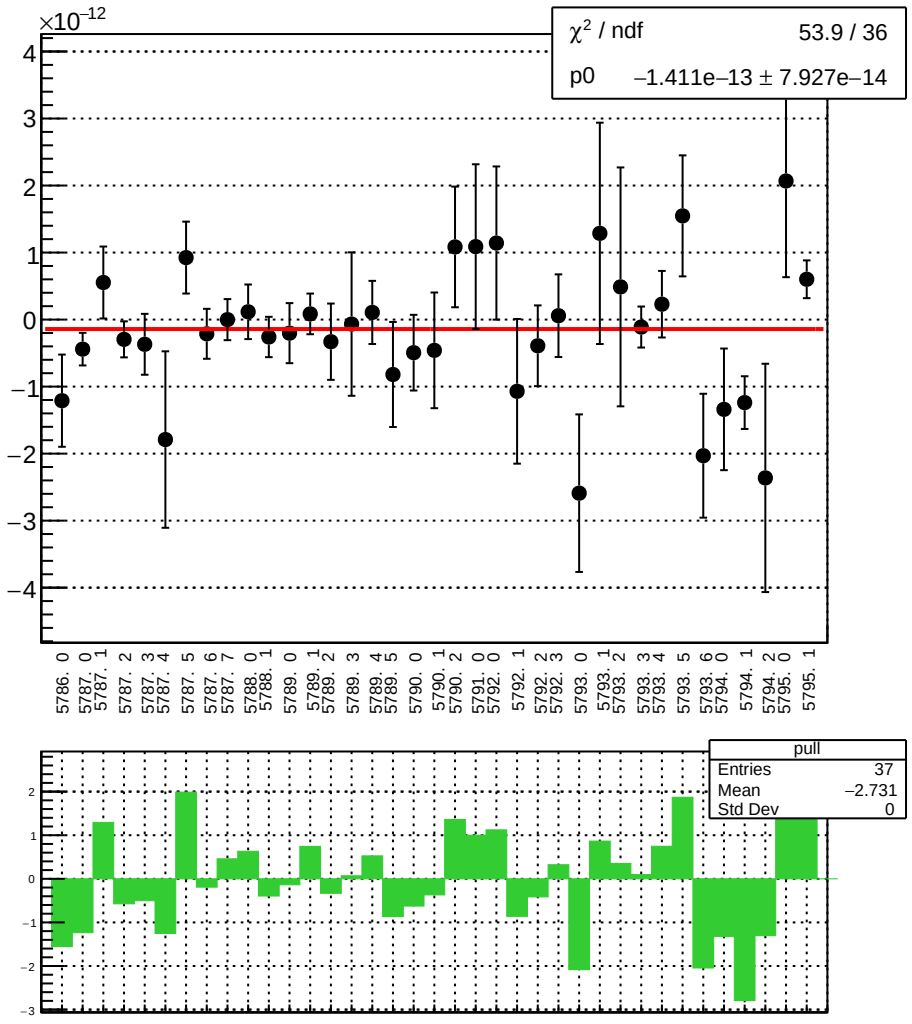

pull1D
Entries 37
Mean 0.0117
Std Dev 1.076

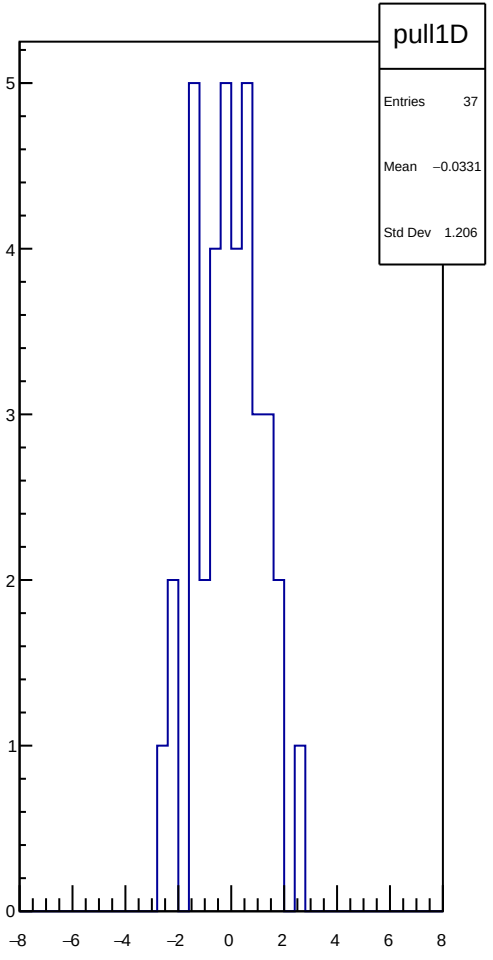

asym_usr_atr1_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 36
p0 38.47 ± 0.04604
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

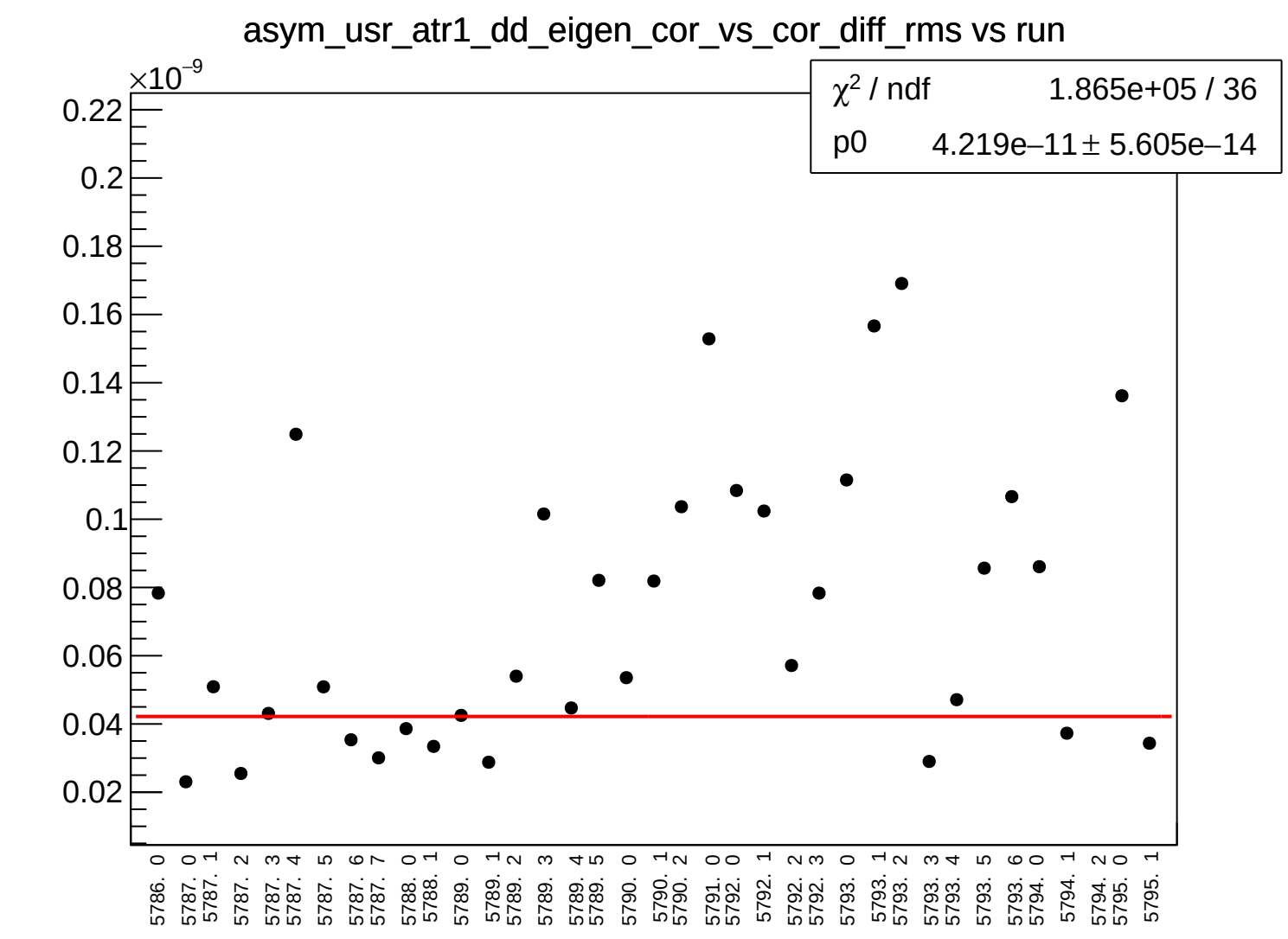

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.84 / 36
p0 0.1093 ± 0.06511
pull
Entries 37
Mean −225.9
Std Dev 0

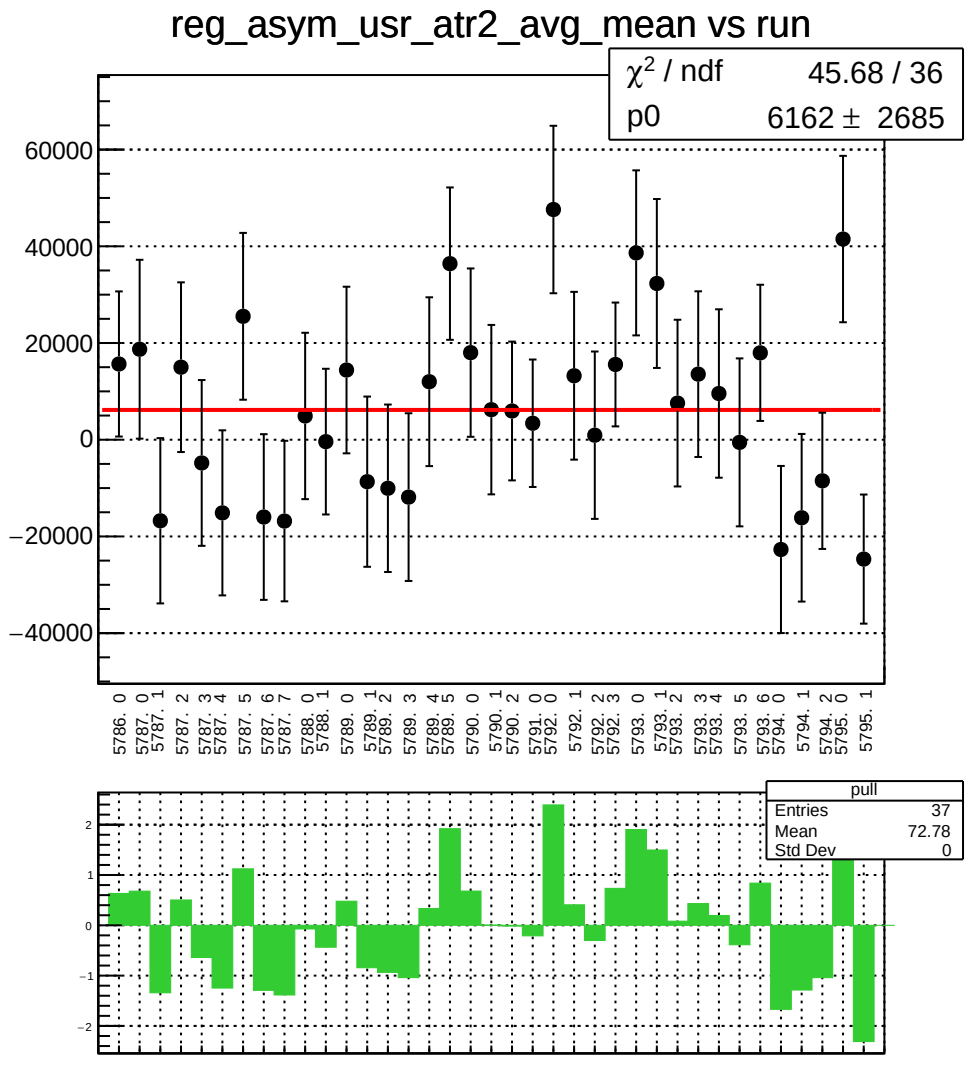

pull1D
Entries 37
Mean 0.0117
Std Dev 1.076

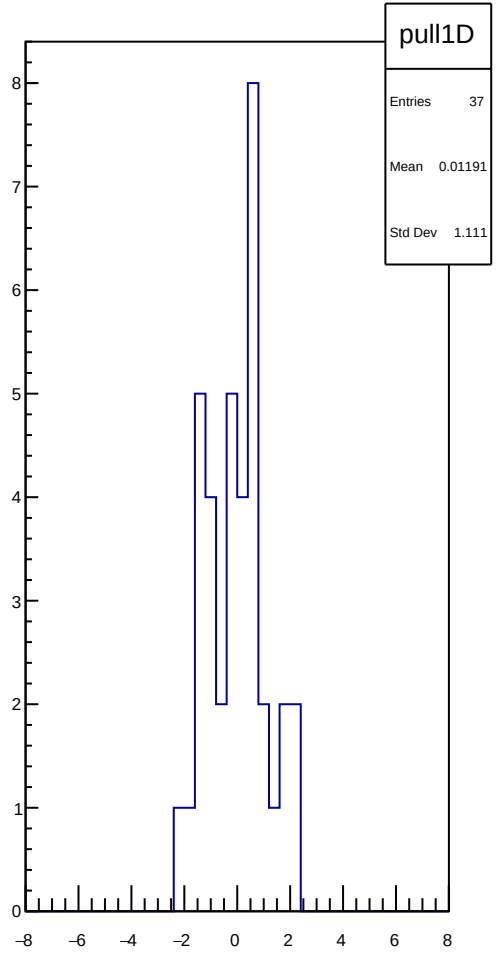

asym_usr_atr1_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.476e+04 / 36
p0 38.47 ± 0.04604
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

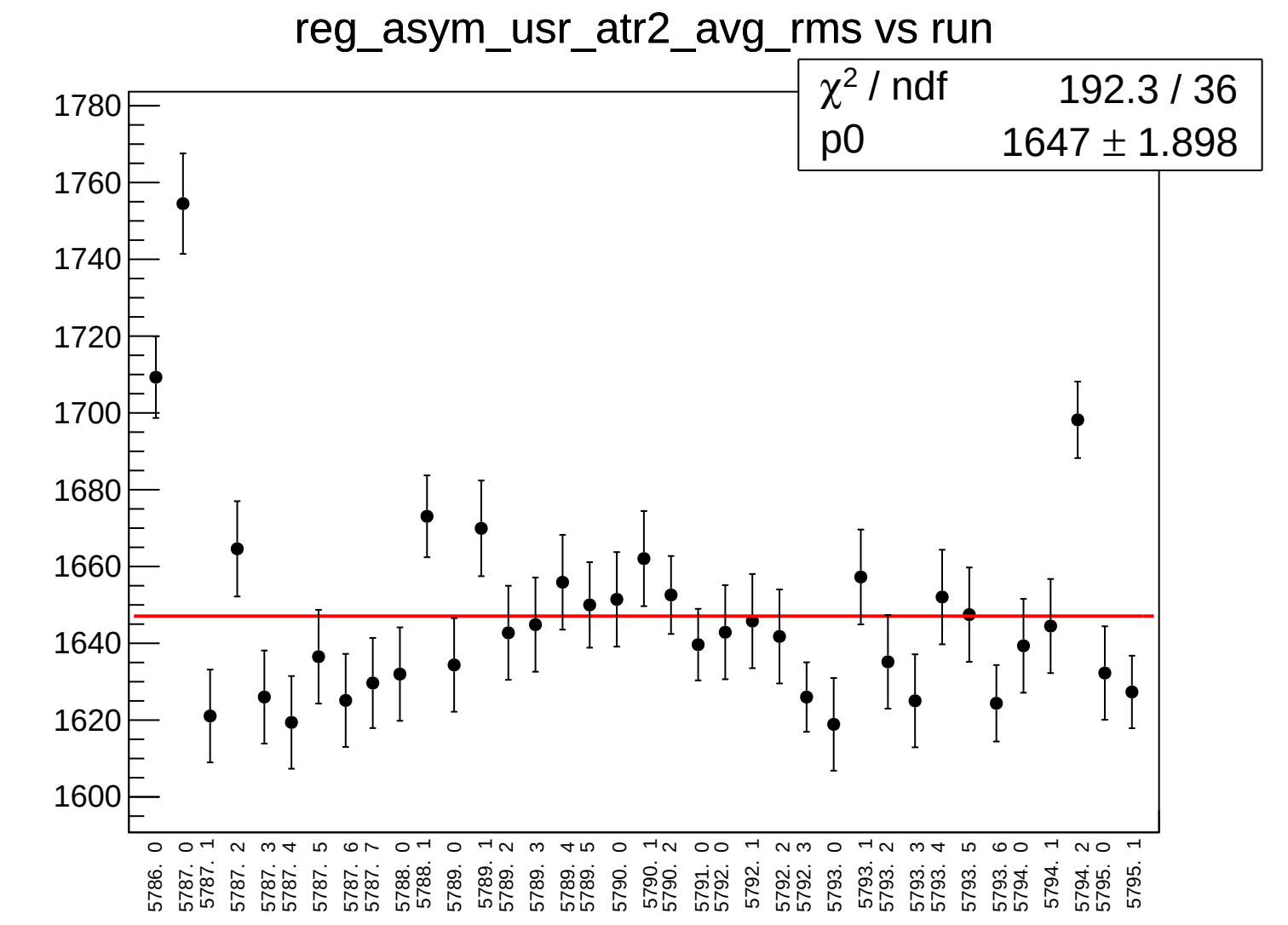

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 53.9 / 36
p0 −1.411e−13 ± 7.927e−14
pull
Entries 37
Mean −2.731
Std Dev 0

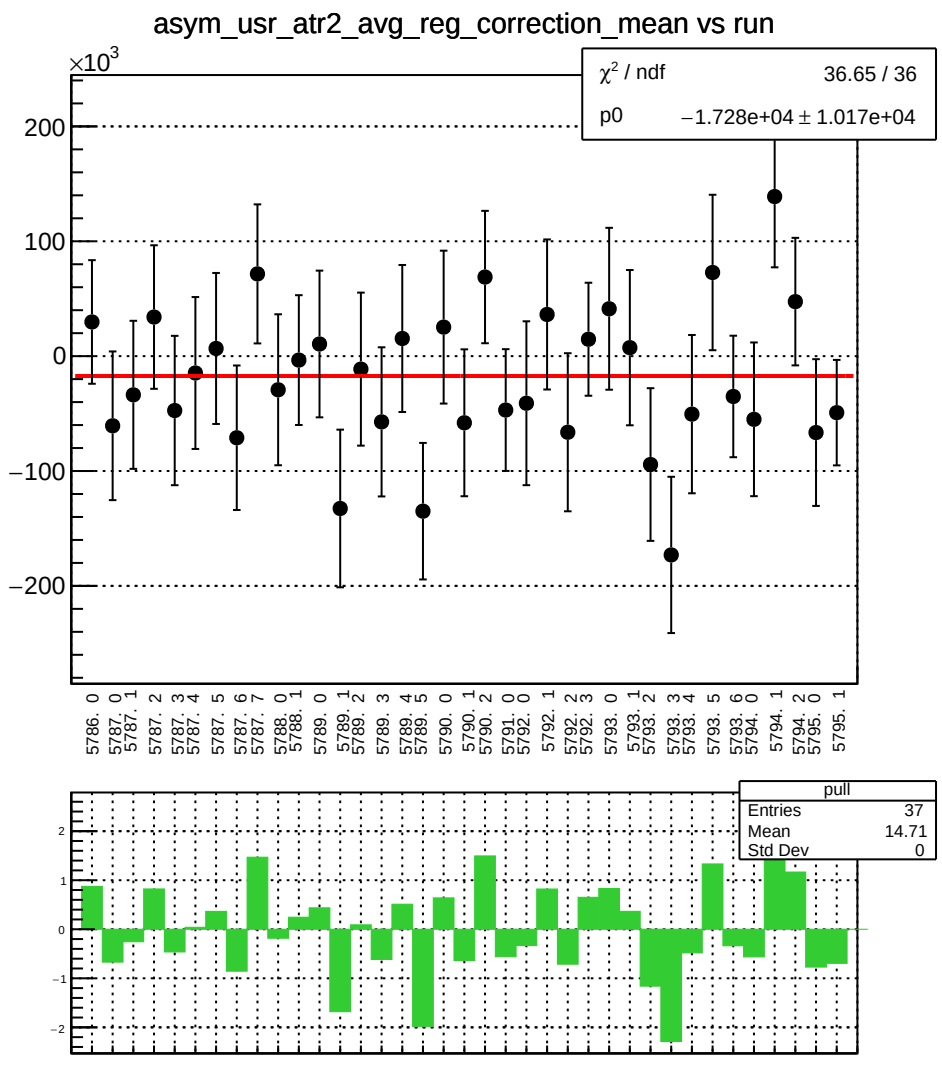

pull1D
Entries 37
Mean −0.0331
Std Dev 1.206

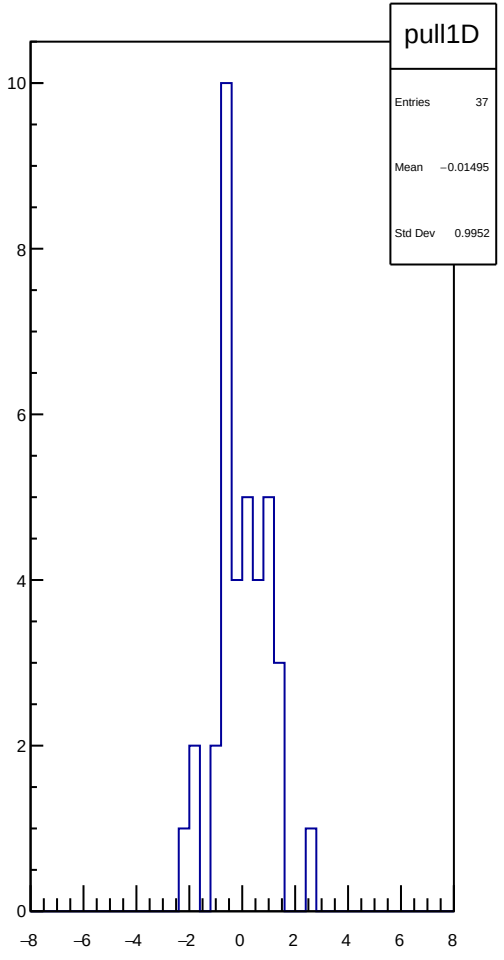

asym_usr_atr1_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.865e+05 / 36
p0 4.219e−11 ± 5.605e−14
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

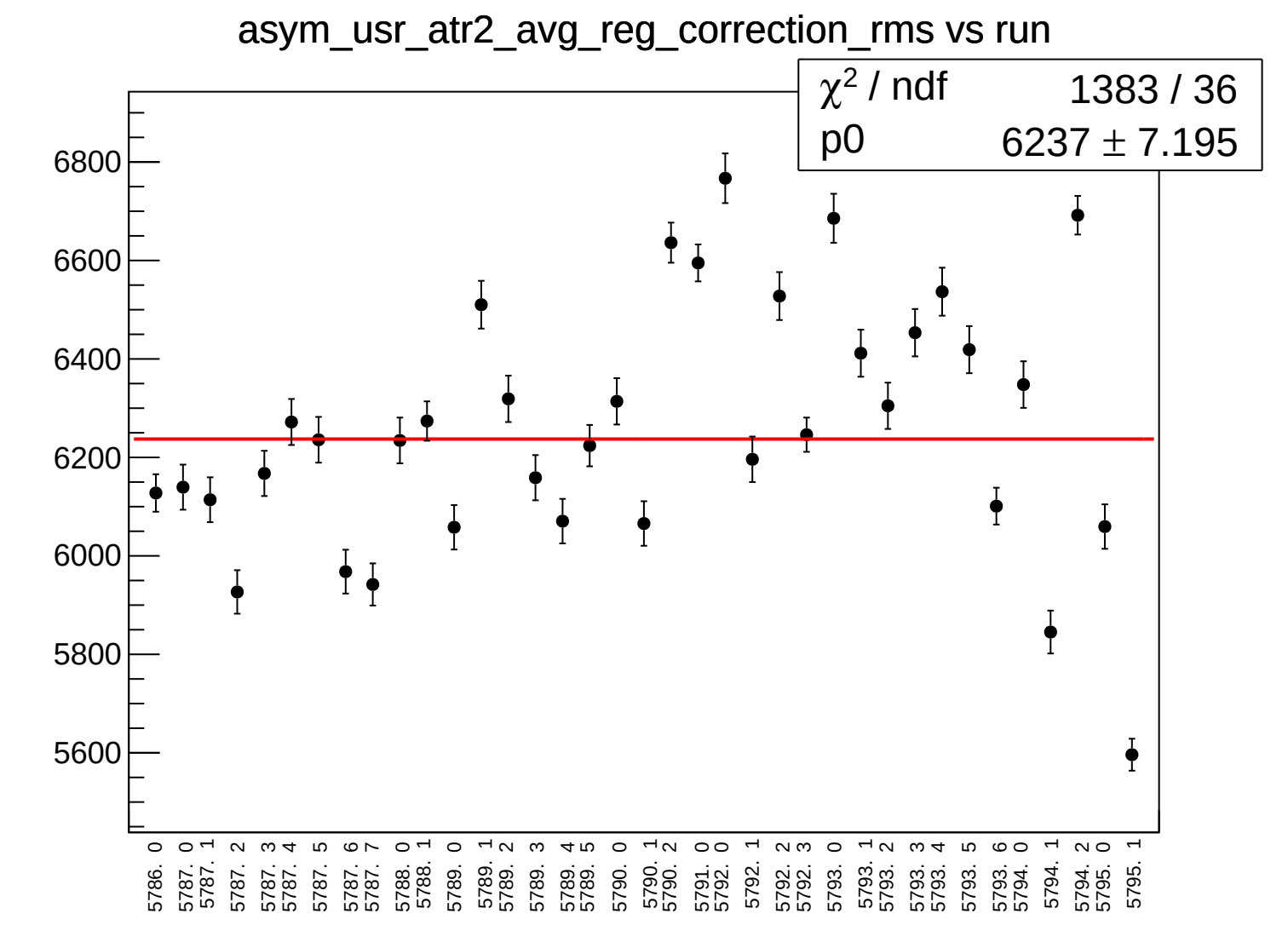

reg_asym_usr_atr2_avg_mean vs run
χ² / ndf 45.68 / 36
p0 6162 ± 2685
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 72.78
Std Dev 0
2
1
0
−1
−2

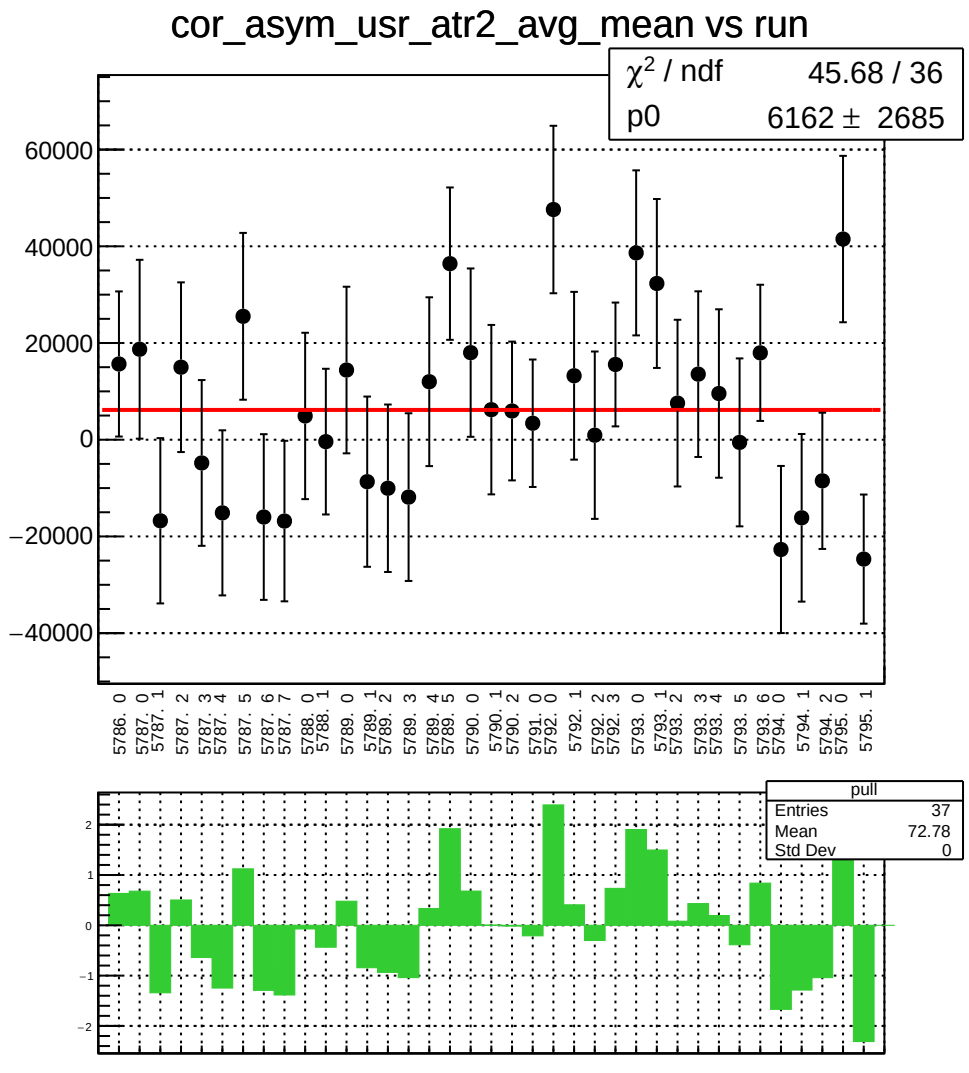

pull1D
Entries 37
Mean 0.01191
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

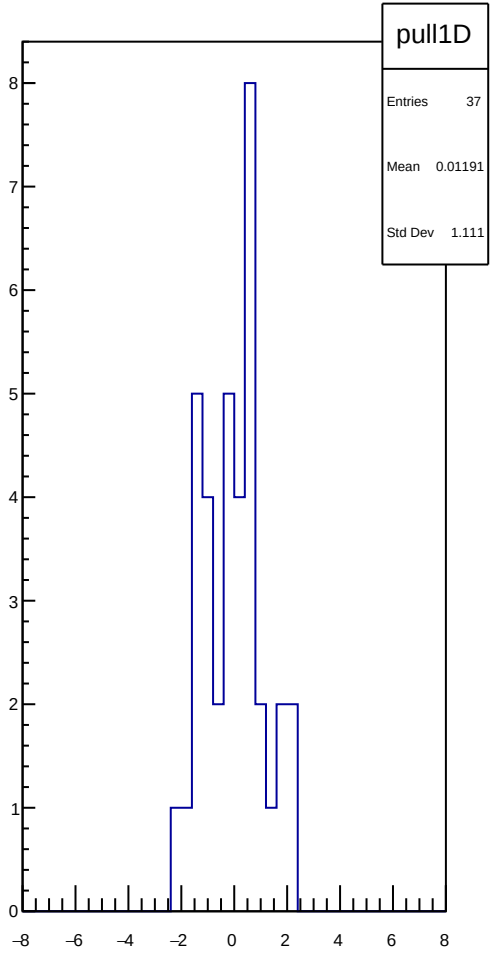

reg_asym_usr_atr2_avg_rms vs run
χ² / ndf 192.3 / 36
p0 1647 ± 1.898
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

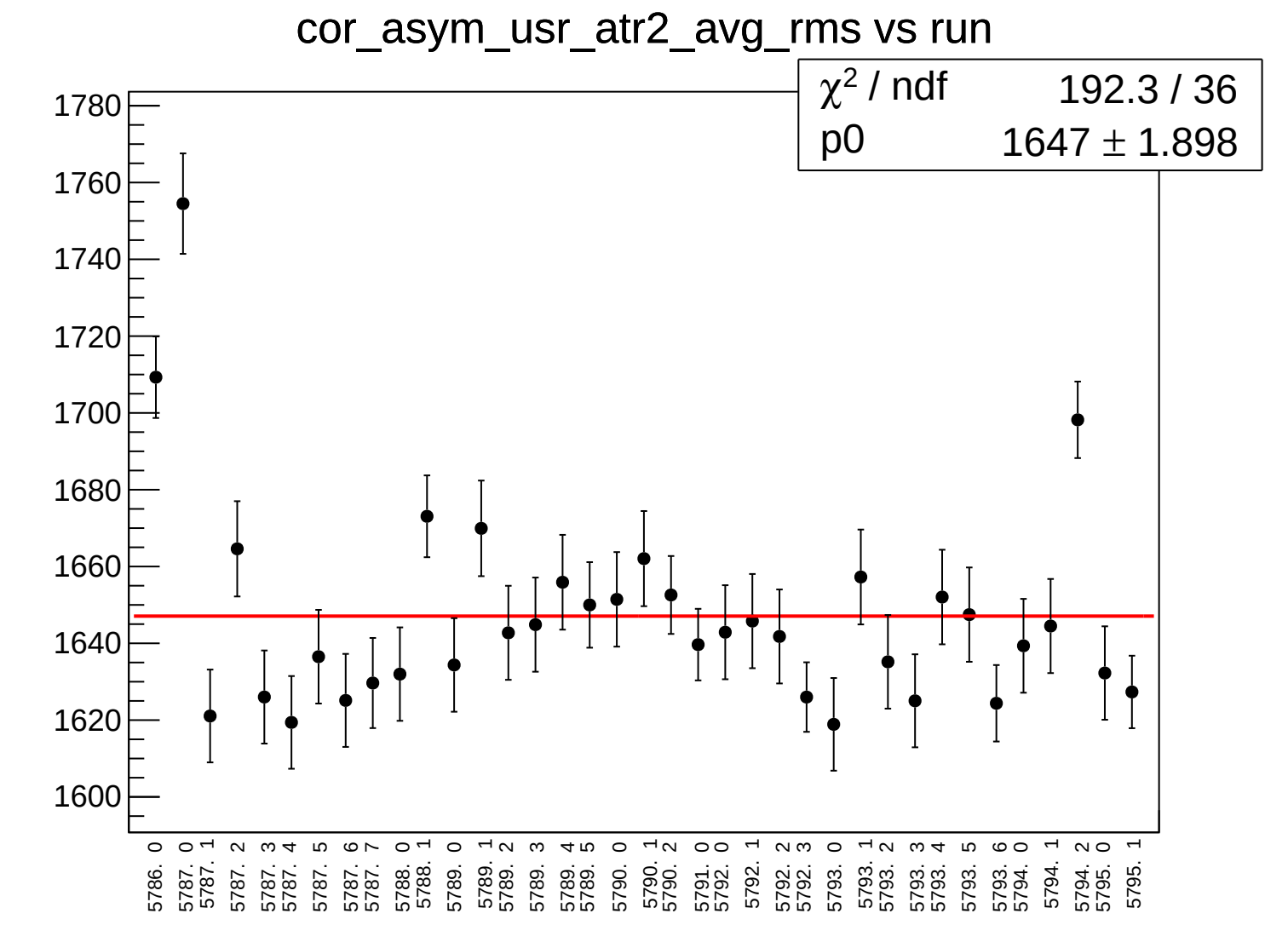

asym_usr_atr2_avg_reg_correction_mean vs run
×10^3
χ² / ndf 36.65 / 36
p0 −1.728e+04 ± 1.017e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.71
Std Dev 0
2
1
0
−1
−2

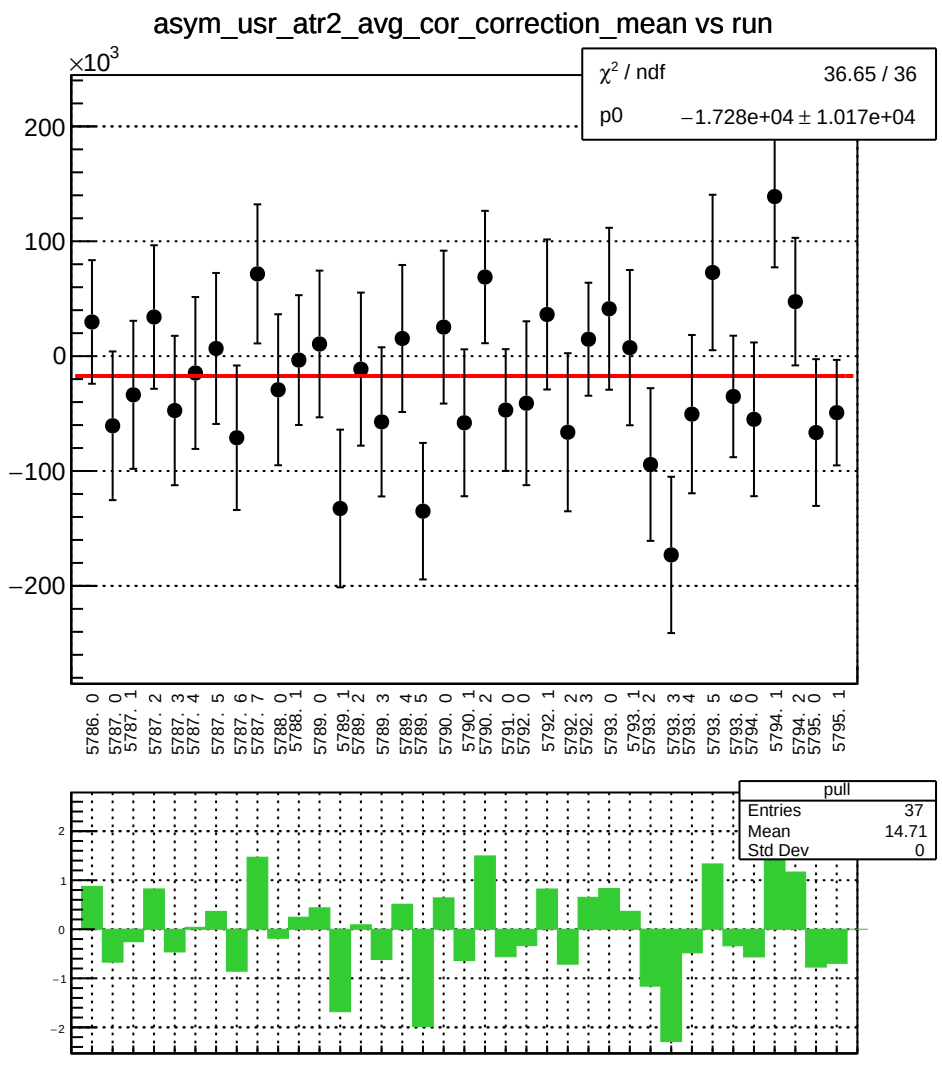

pull1D
Entries 37
Mean −0.01495
Std Dev 0.9952
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

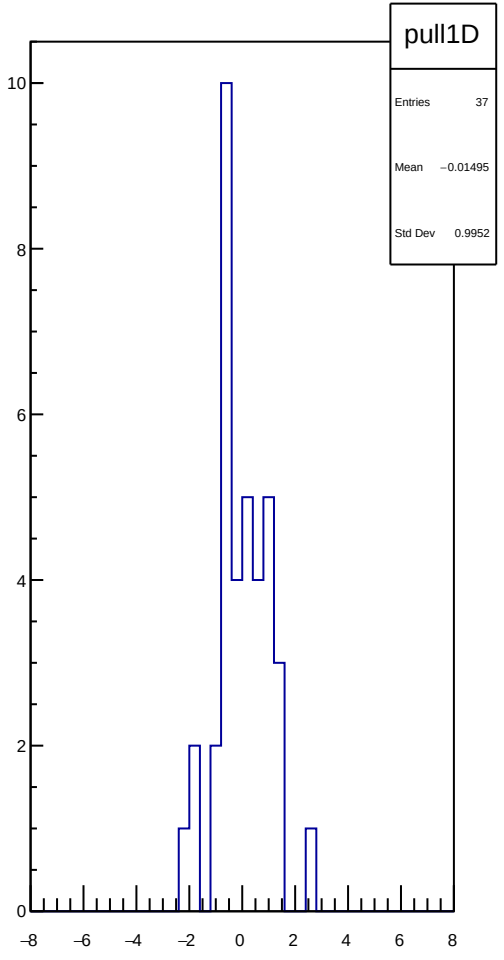

asym_usr_atr2_avg_reg_correction_rms vs run
χ² / ndf 1383 / 36
p0 6237 ± 7.195
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

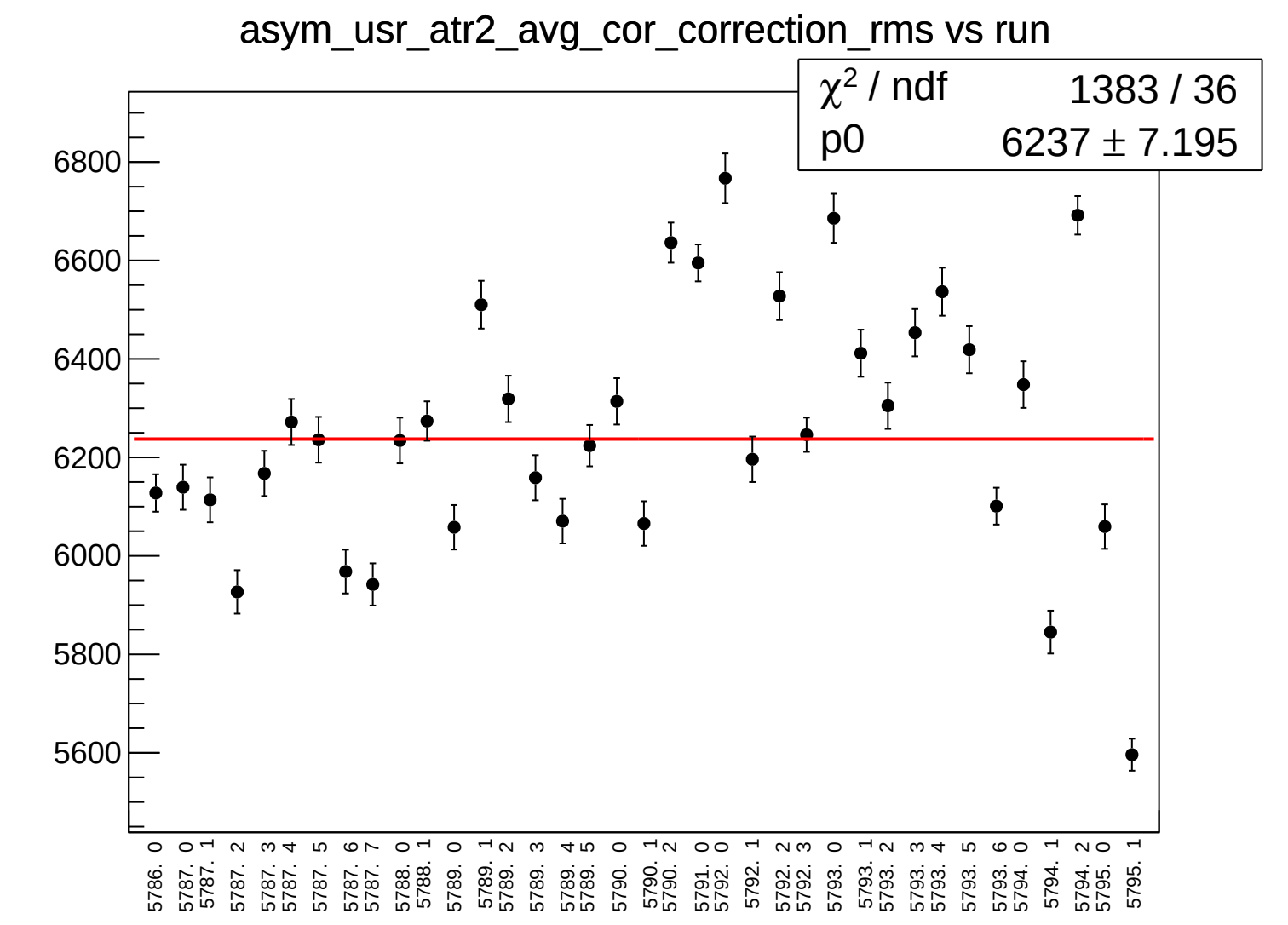

cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 45.68 / 36
p0 6162 ± 2685
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 72.78
Std Dev 0
2
1
0
−1
−2

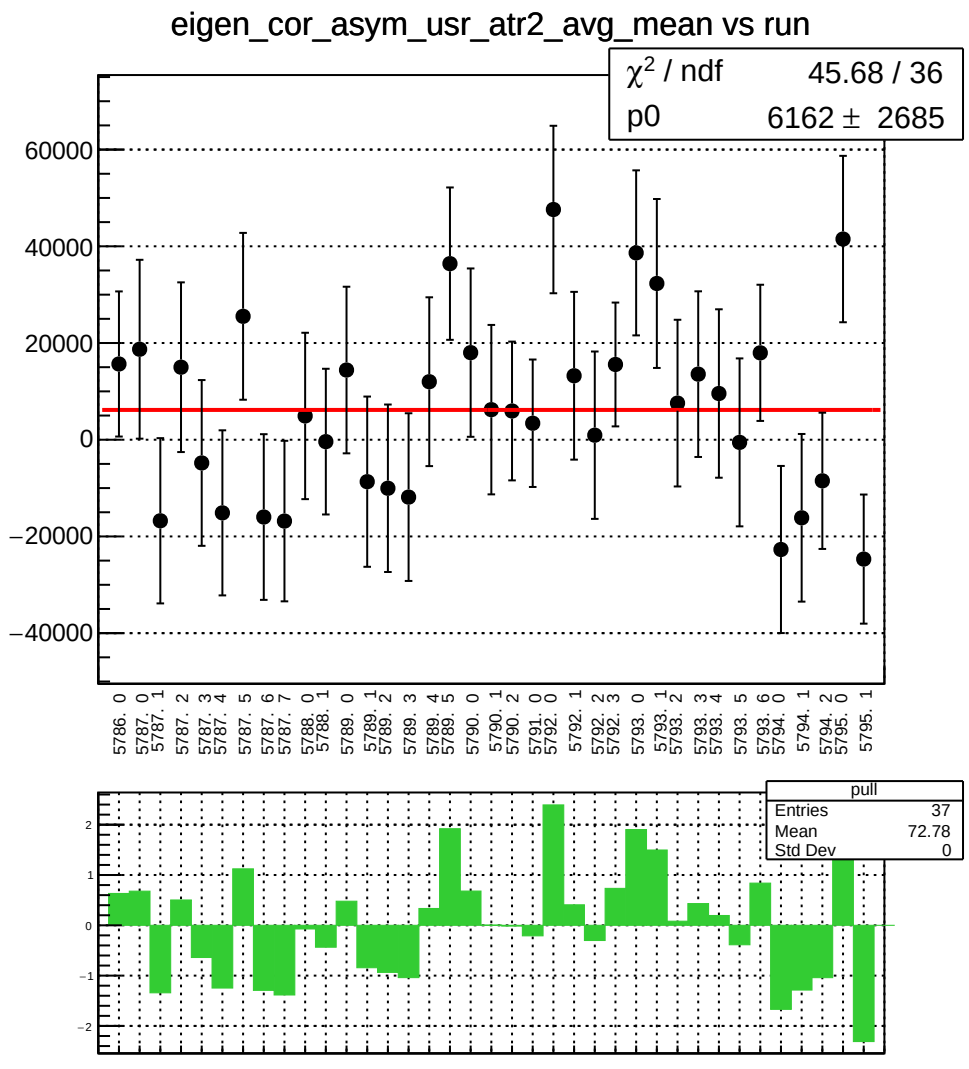

pull1D
Entries 37
Mean 0.01191
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

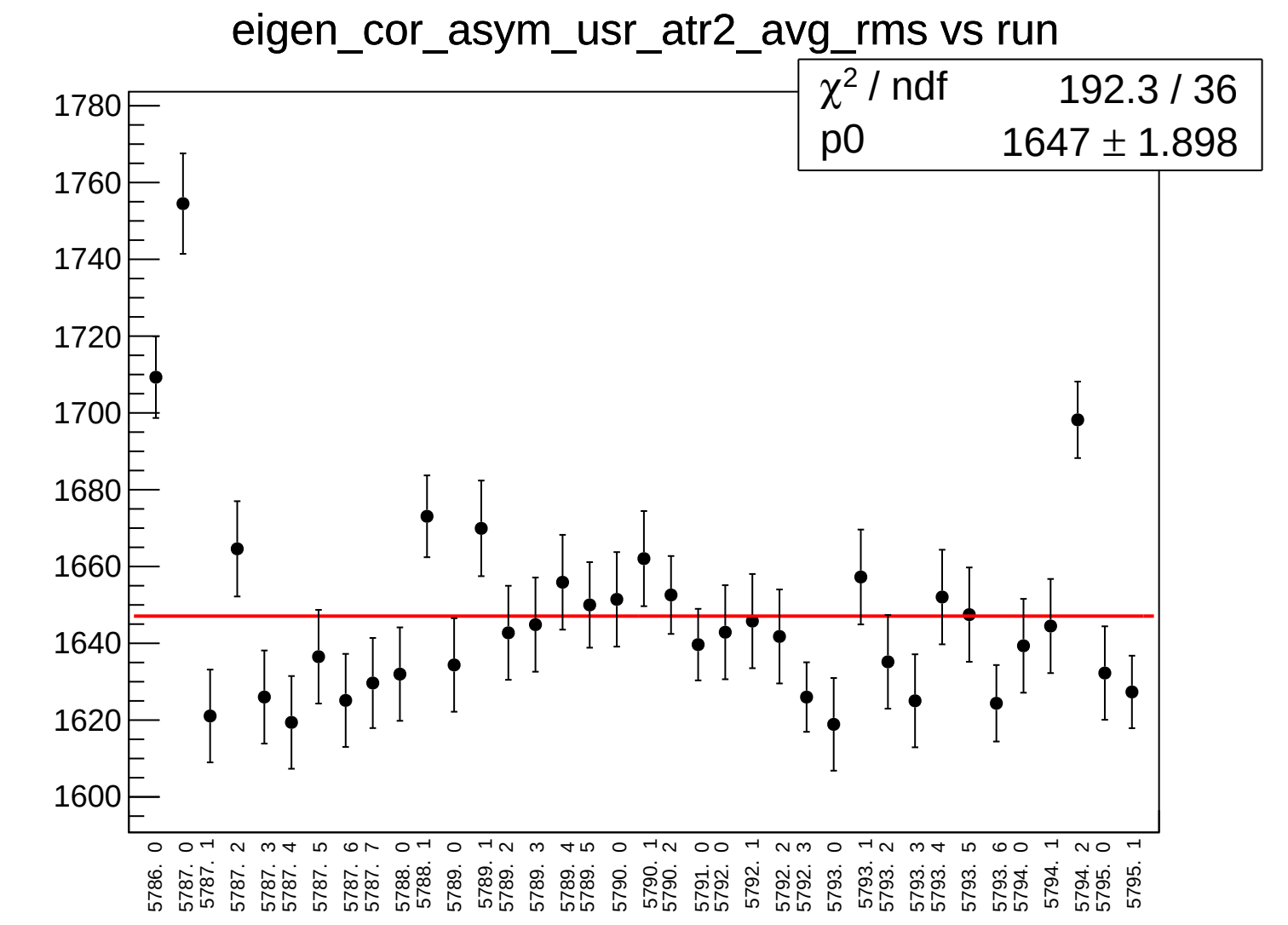

cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 192.3 / 36
p0 1647 ± 1.898
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

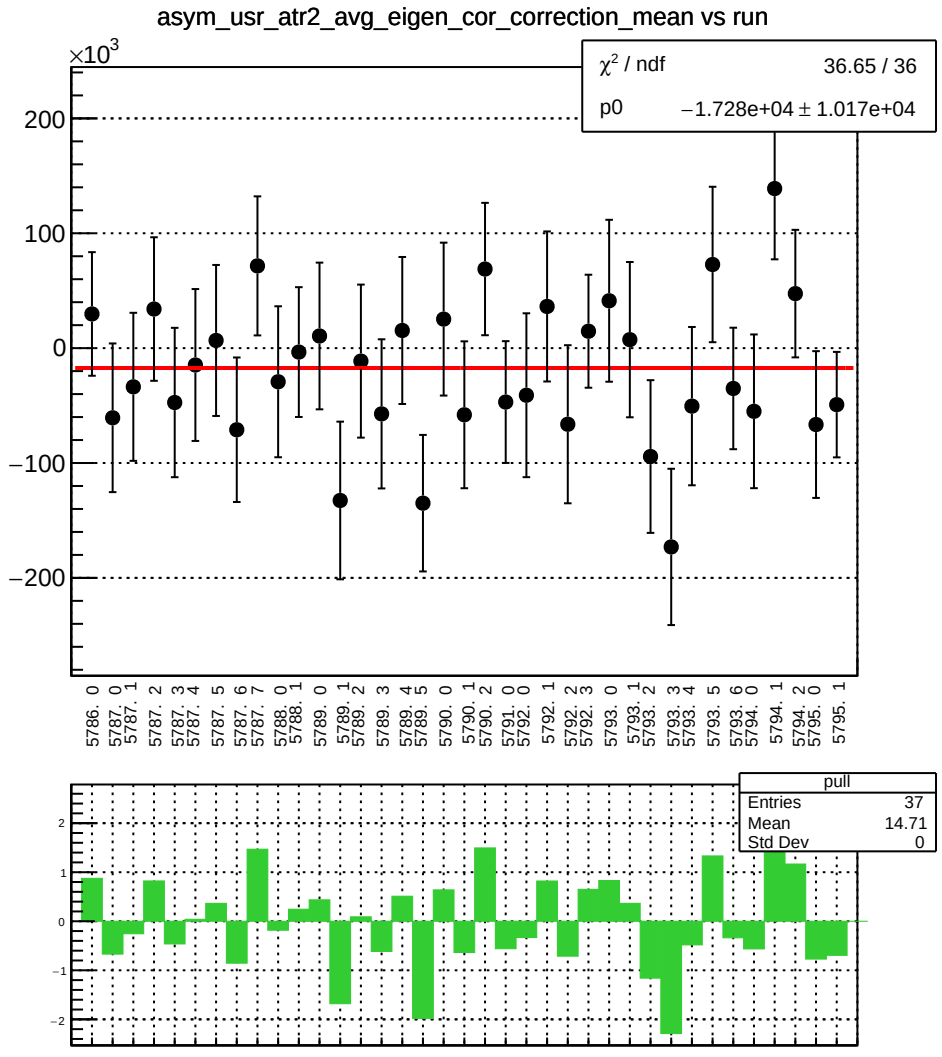

asym_usr_atr2_avg_cor_correction_mean vs run
×10^3
χ² / ndf 36.65 / 36
p0 −1.728e+04 ± 1.017e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.71
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01495
Std Dev 0.9952
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 1383 / 36
p0 6237 ± 7.195
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_usr_atr2_avg_mean vs run
χ² / ndf 45.68 / 36
p0 6162 ± 2685
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 72.78
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01191
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_usr_atr2_avg_rms vs run
χ² / ndf 192.3 / 36
p0 1647 ± 1.898
1780
1760
1740
1720
1700
1680
1660
1640
1620
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 36.65 / 36
p0 −1.728e+04 ± 1.017e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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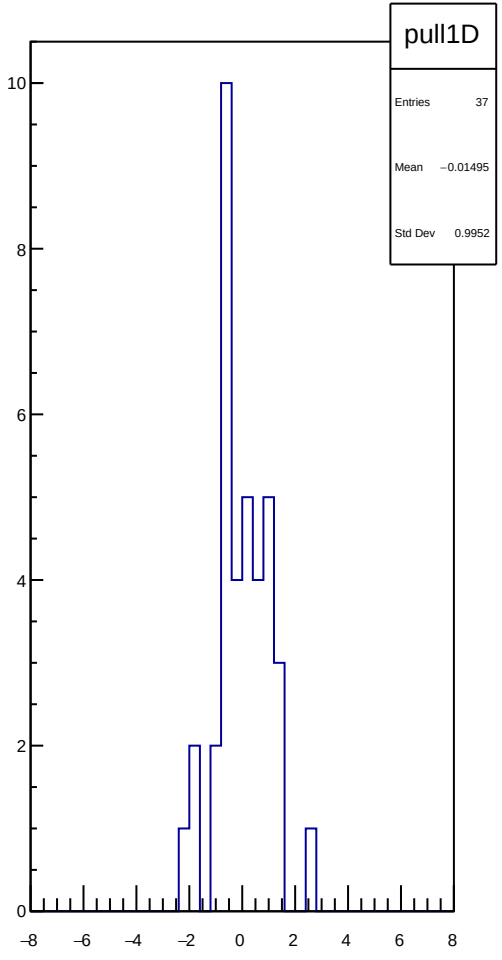
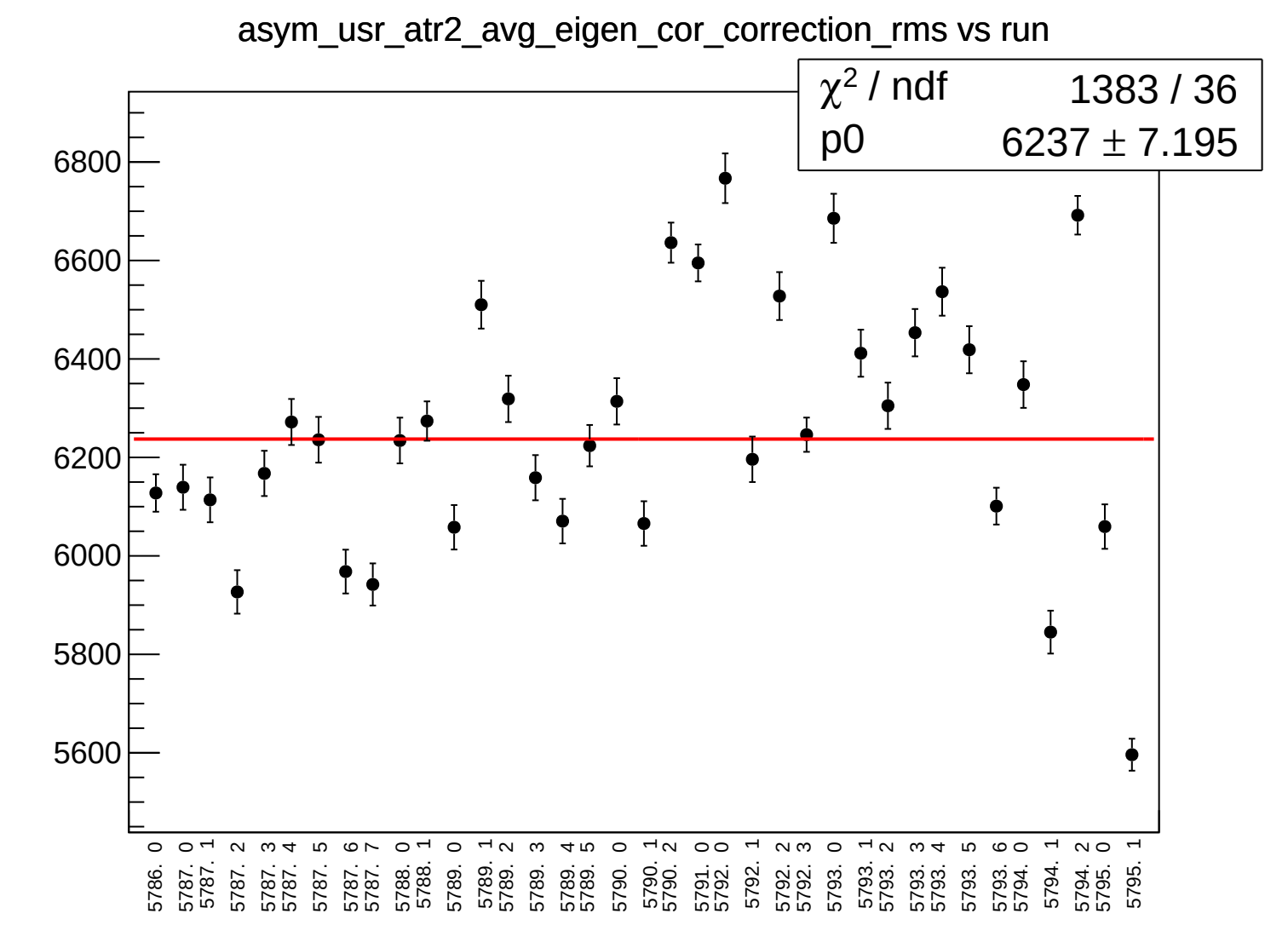
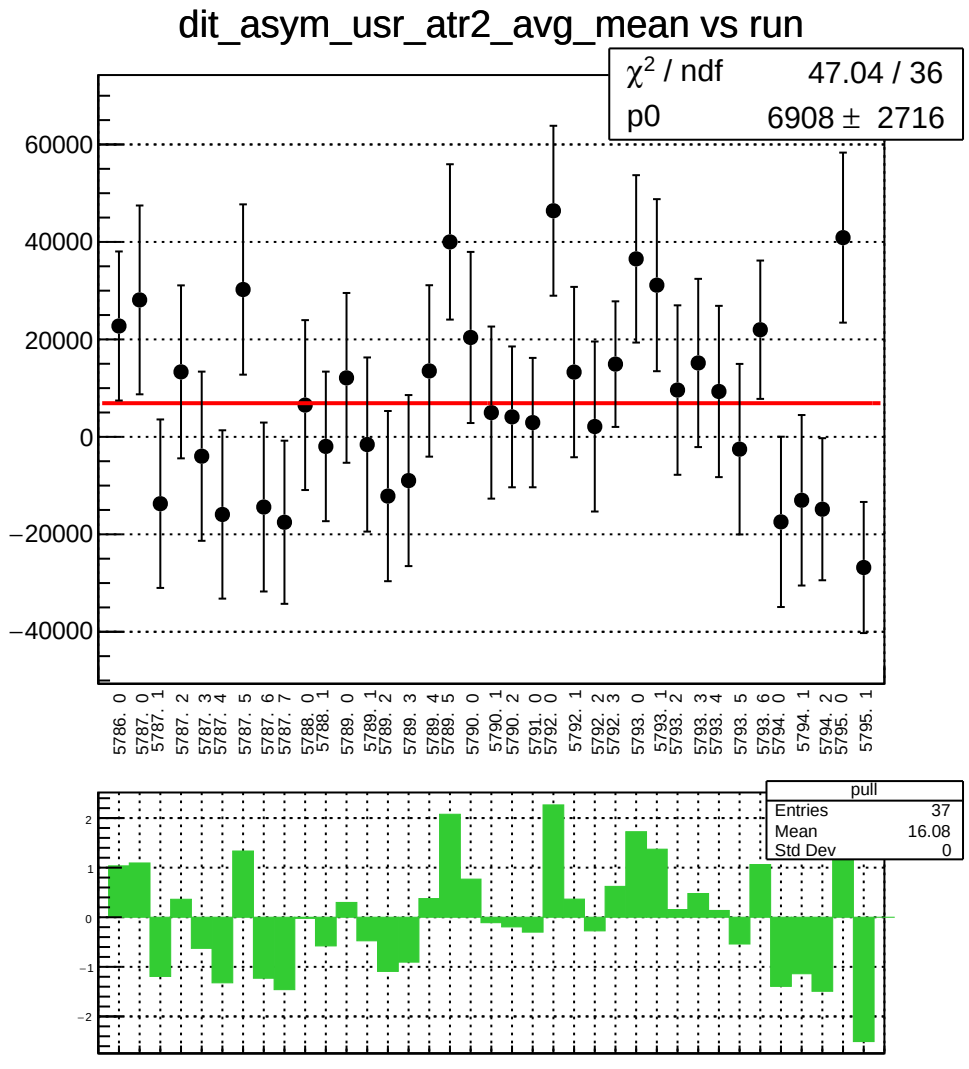
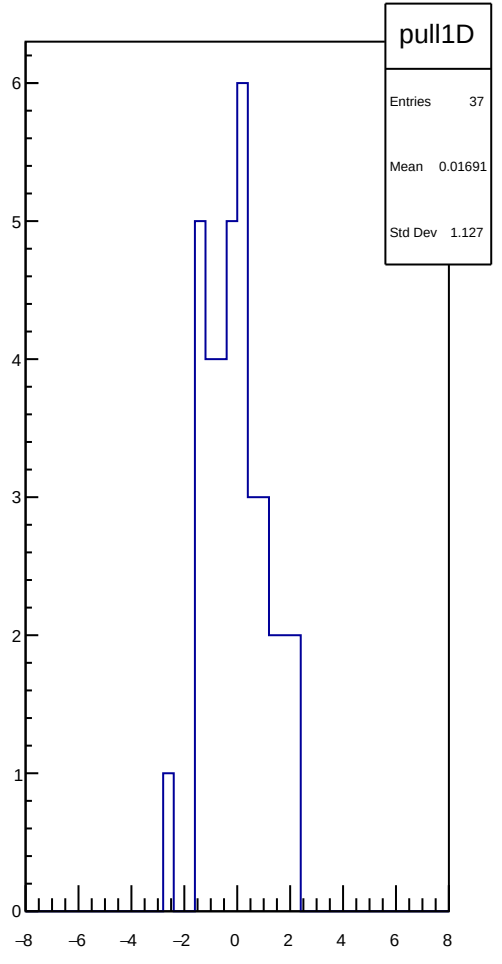
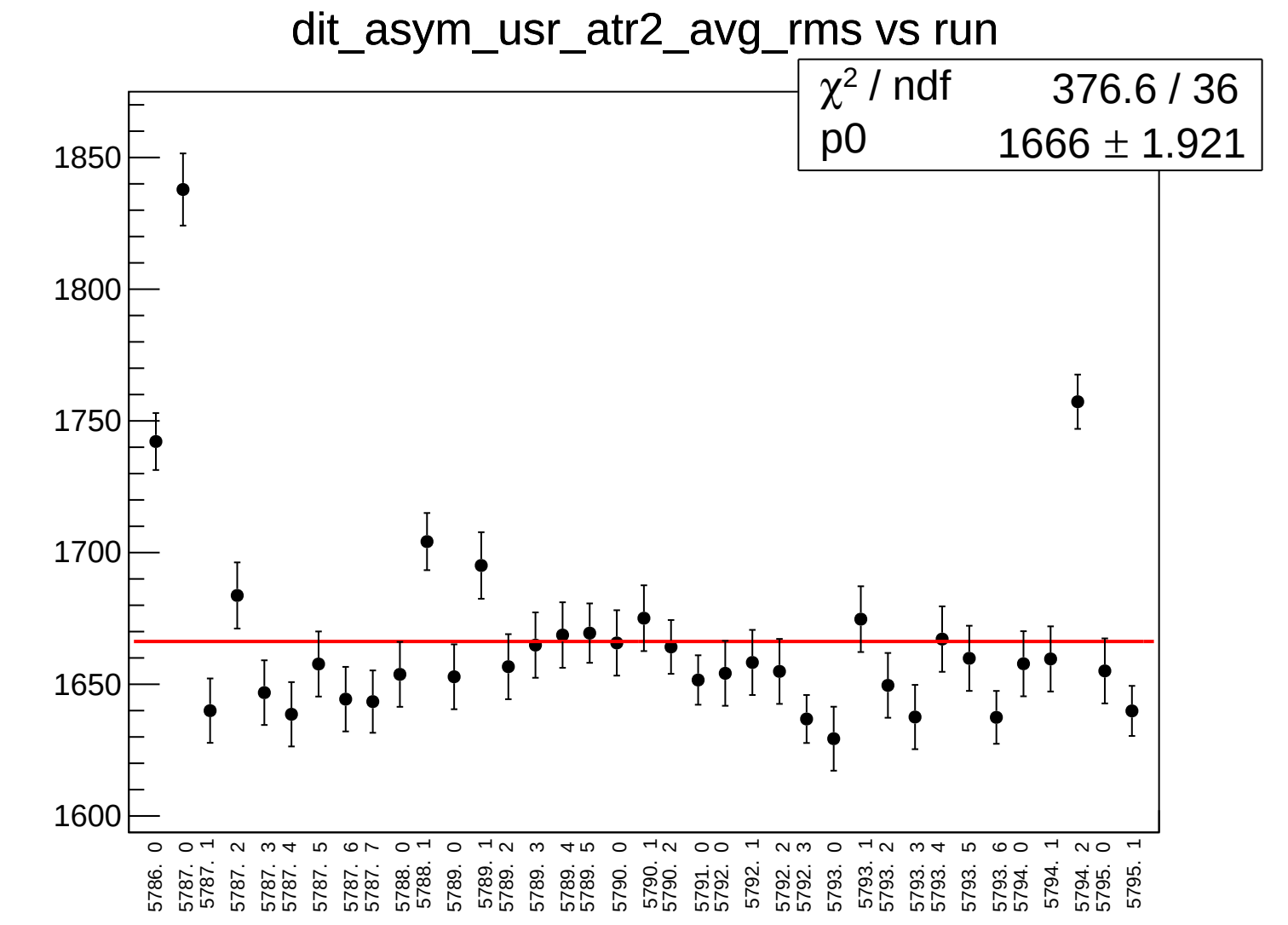
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.71
Std Dev 0
2
1
0
−1
−2

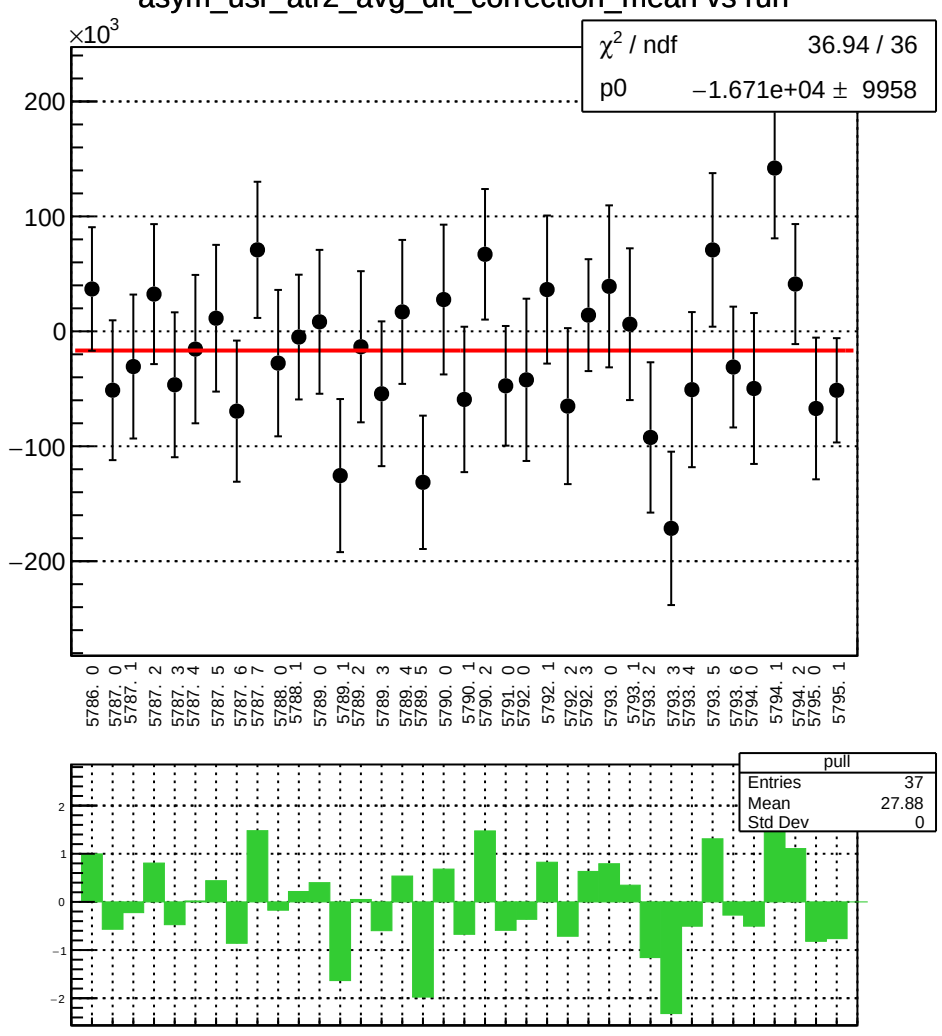

pull1D
Entries 37
Mean −0.01495
Std Dev 0.9952
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

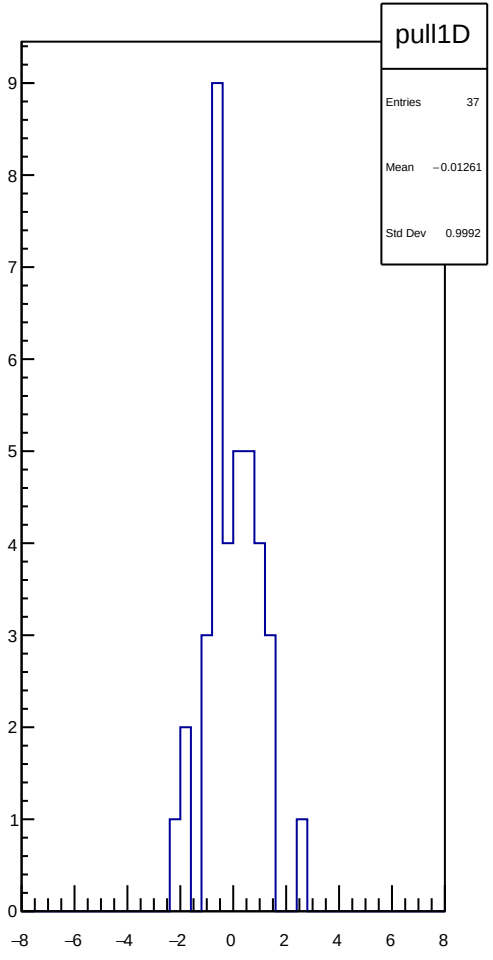

asym_usr_atr2_avg_eigen_cor_correction_rms vs run
χ² / ndf 1383 / 36
p0 6237 ± 7.195
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

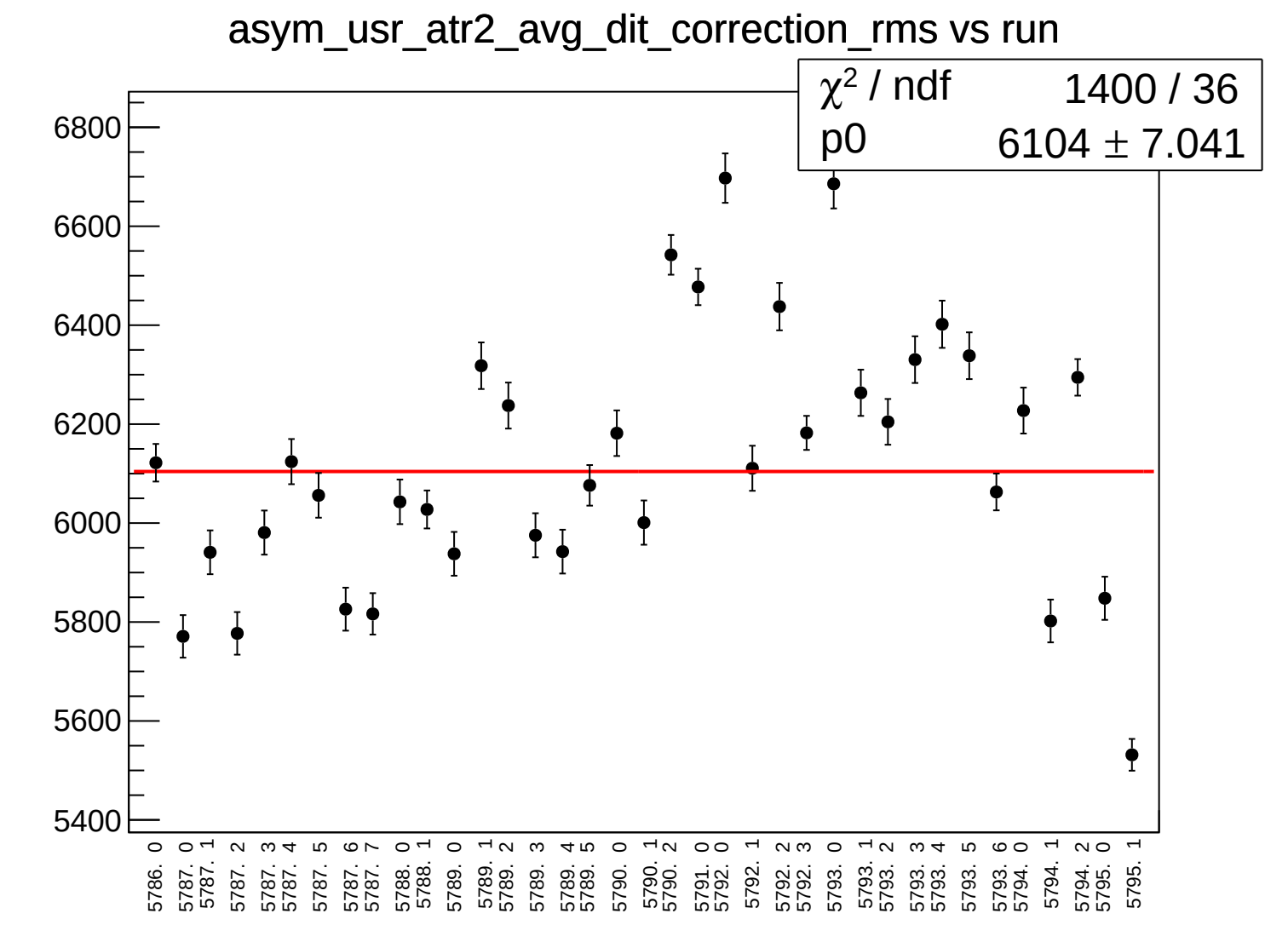

dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 47.04 / 36
p0 6908 ± 2716
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.08
Std Dev 0
2
1
0
−1
−2

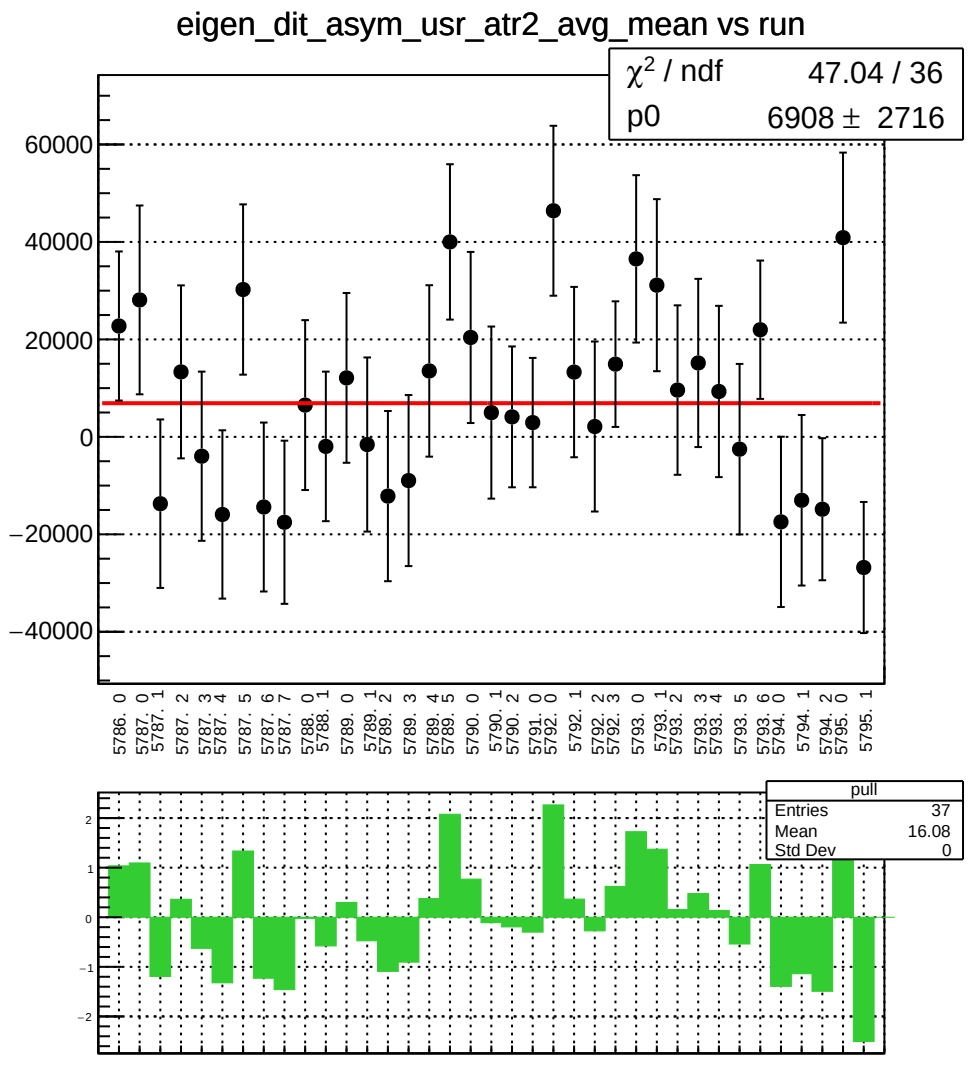

pull1D
Entries 37
Mean 0.01691
Std Dev 1.127
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

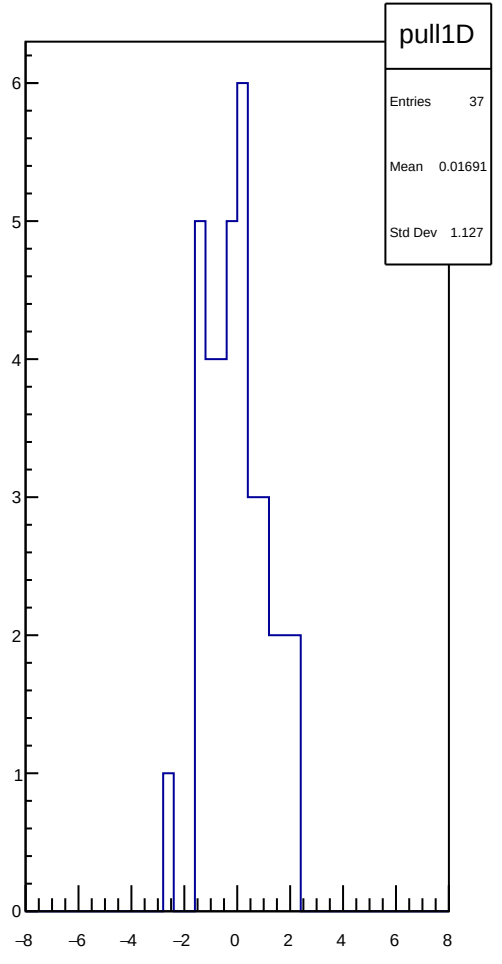

dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 376.6 / 36
p0 1666 ± 1.921
1850
1800
1750
1700
1650
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

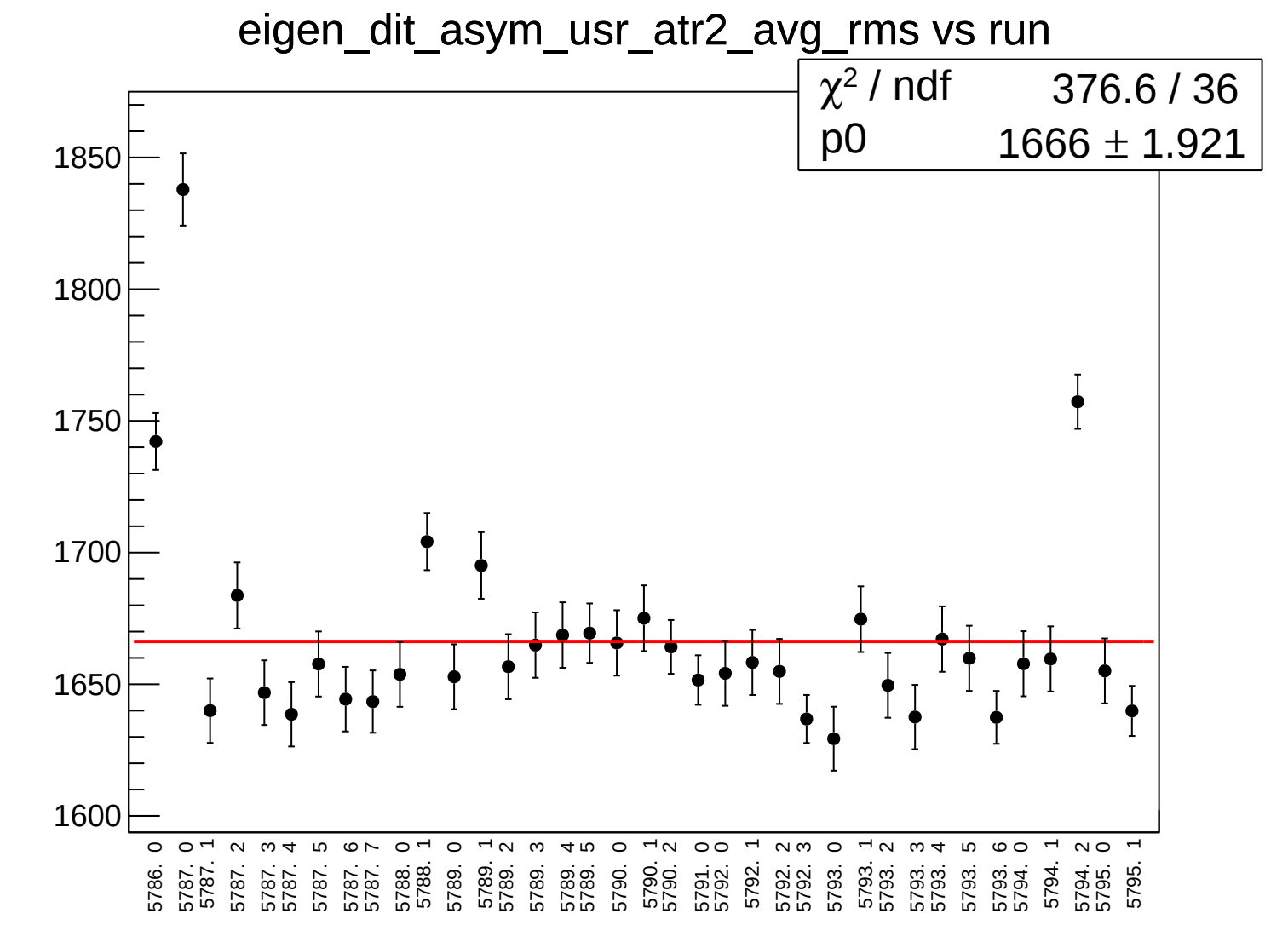

asym_usr_atr2_avg_dit_correction_mean vs run
×10^3
χ² / ndf 36.94 / 36
p0 −1.671e+04 ± 9958
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.88
Std Dev 0
2
1
0
−1
−2

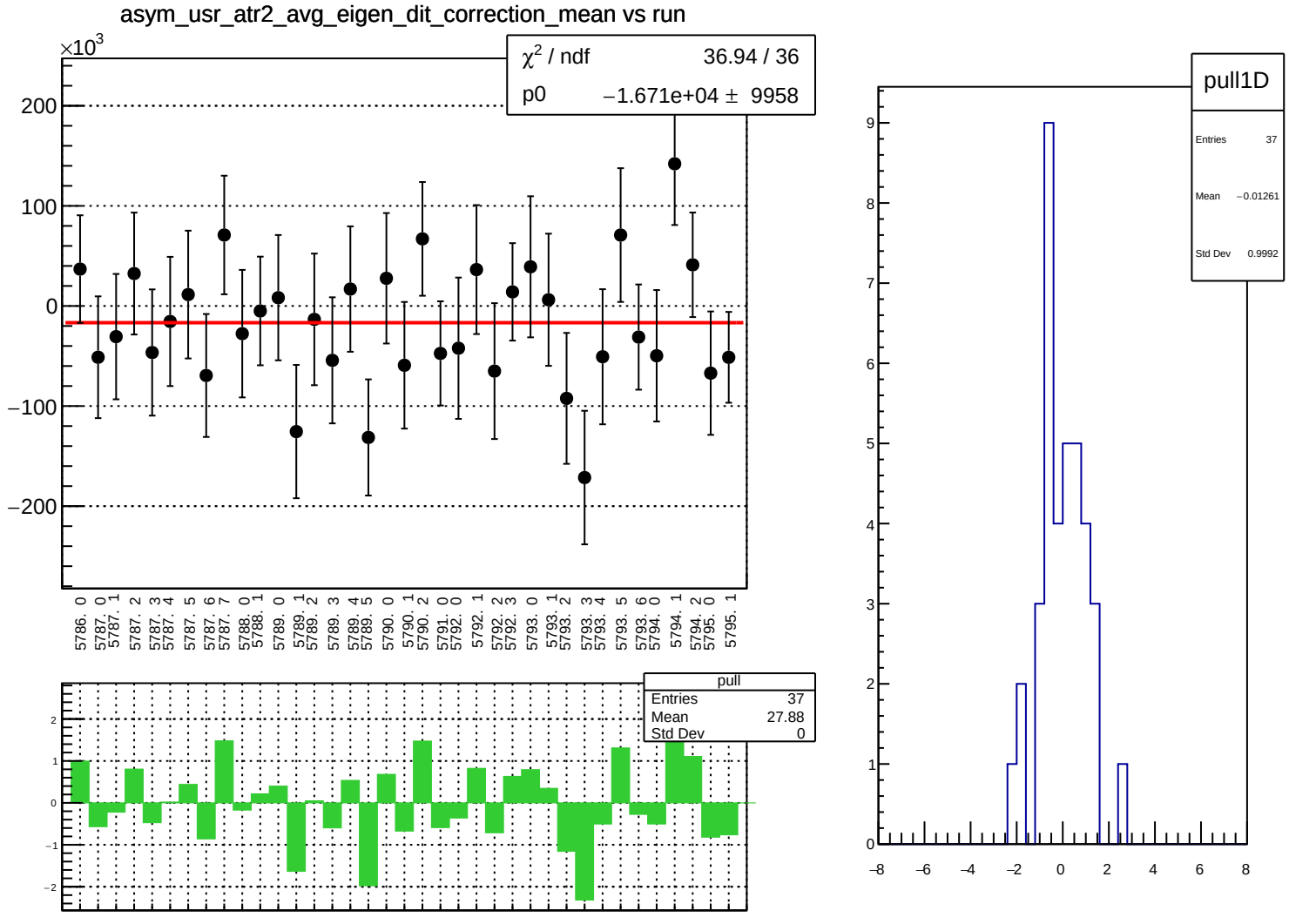

pull1D
Entries 37
Mean −0.01261
Std Dev 0.9992
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

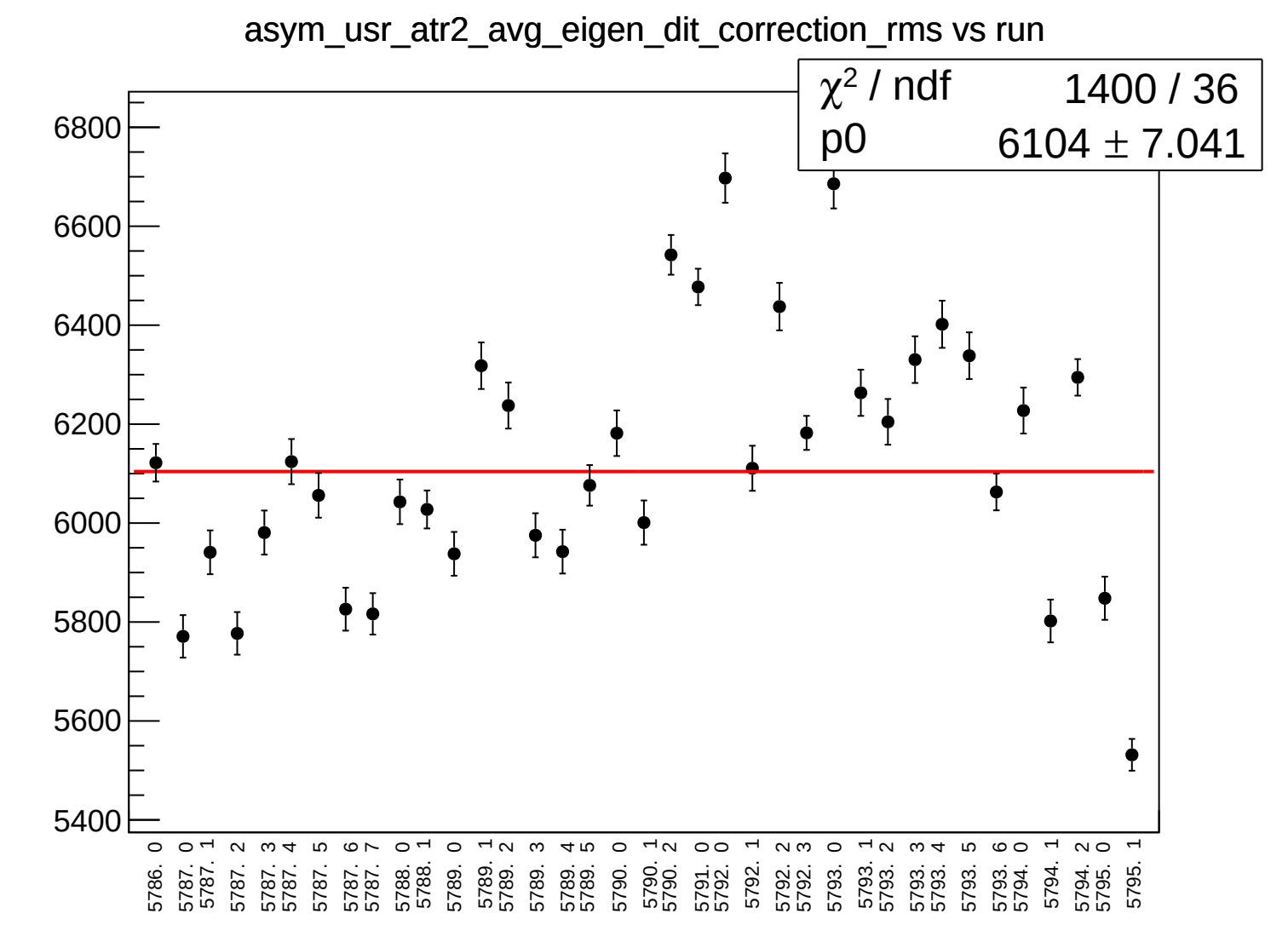

asym_usr_atr2_avg_dit_correction_rms vs run
χ² / ndf 1400 / 36
p0 6104 ± 7.041
6800
6600
6400
6200
6000
5800
5600
5400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

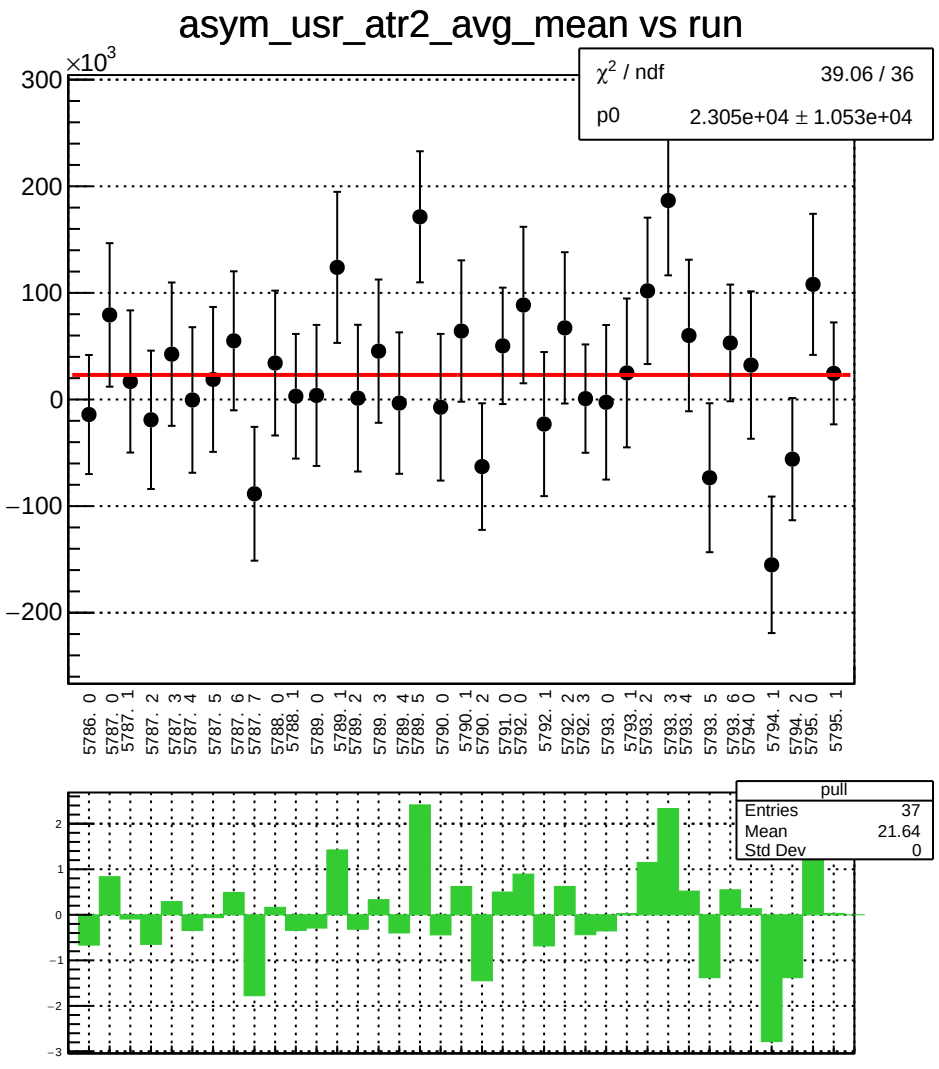

eigen_dit_asym_usr_atr2_avg_mean vs run
χ² / ndf 47.04 / 36
p0 6908 ± 2716
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.08
Std Dev 0
2
1
0
−1
−2

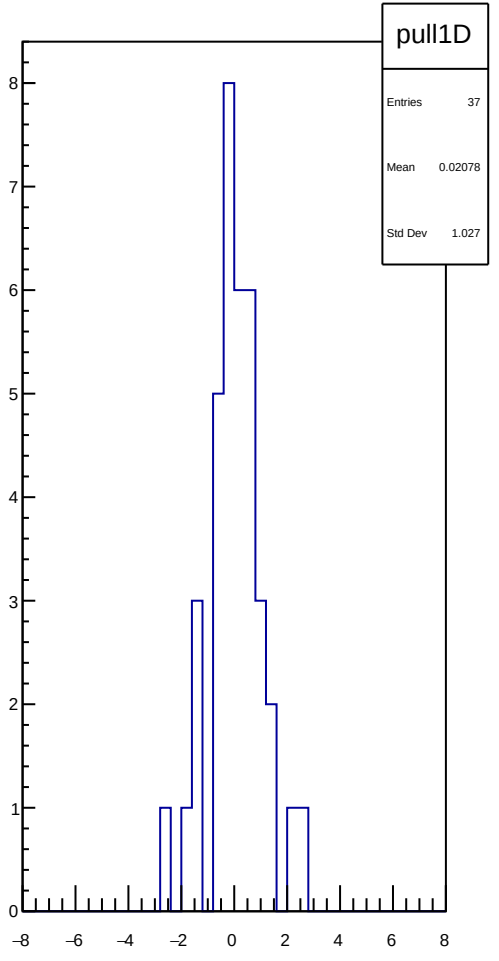

pull1D
Entries 37
Mean 0.01691
Std Dev 1.127
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

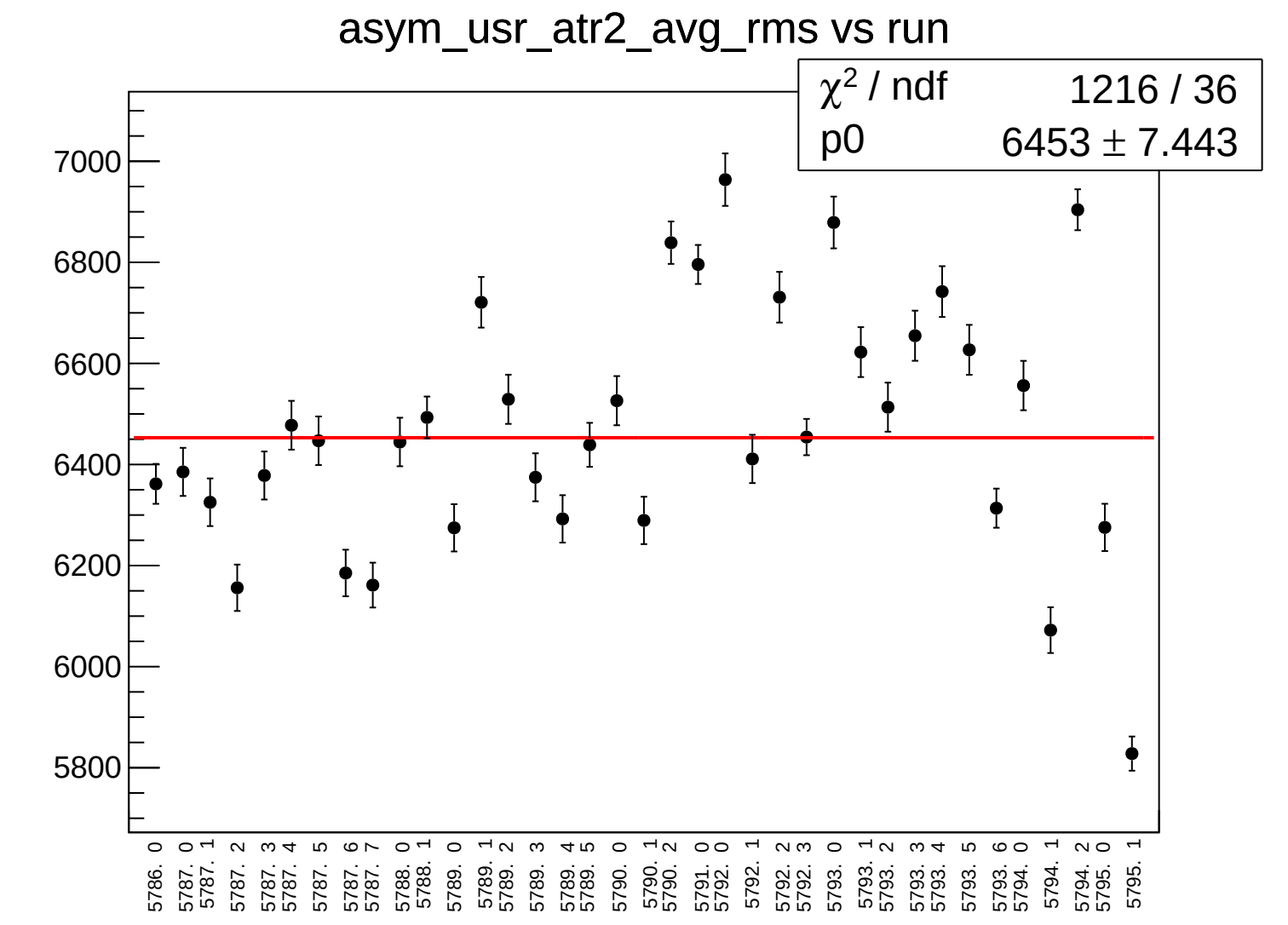

eigen_dit_asym_usr_atr2_avg_rms vs run
χ² / ndf 376.6 / 36
p0 1666 ± 1.921
1850
1800
1750
1700
1650
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

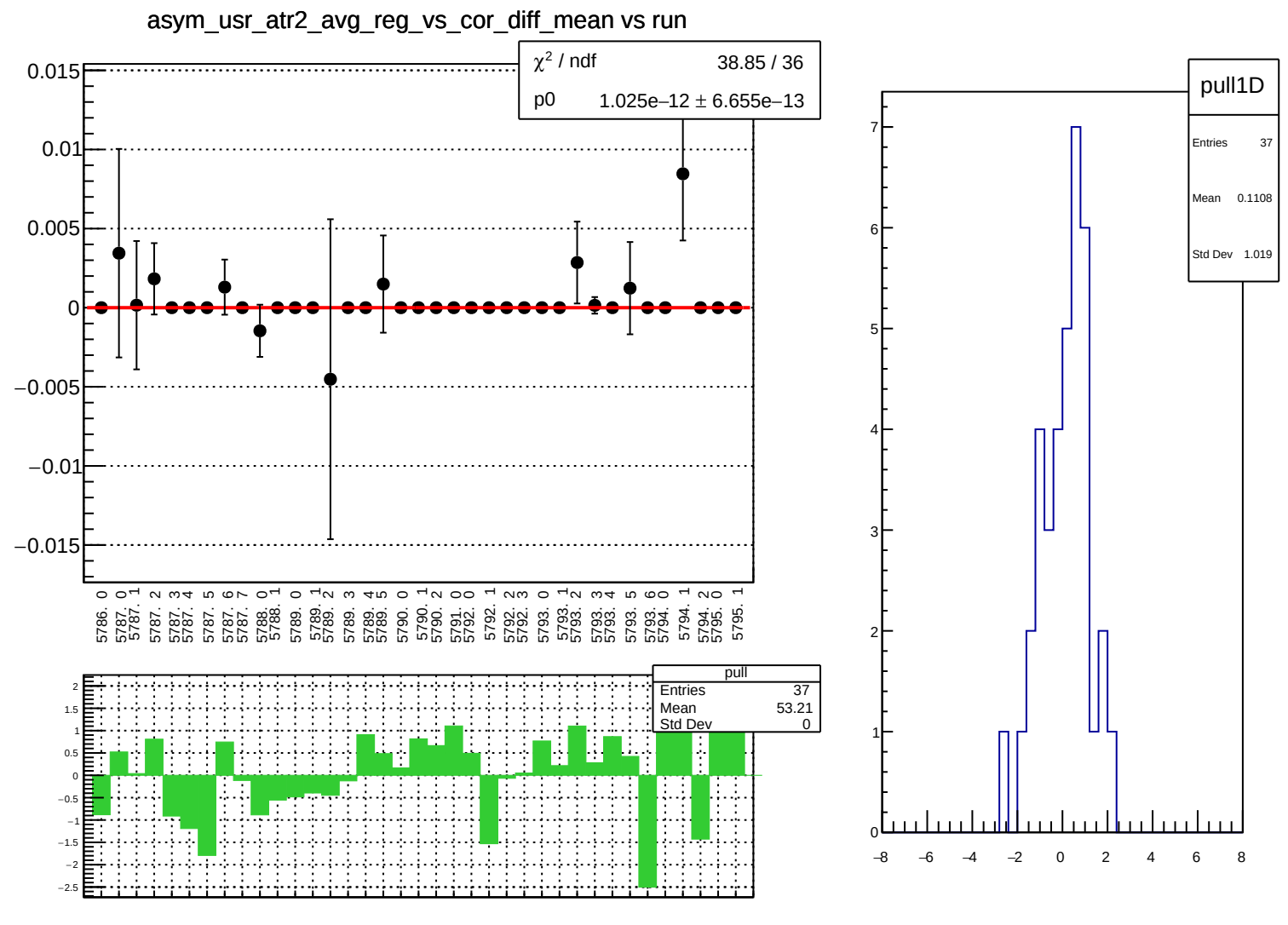

asym_usr_atr2_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36.94 / 36
p0 −1.671e+04 ± 9958
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.88
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01261
Std Dev 0.9992
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

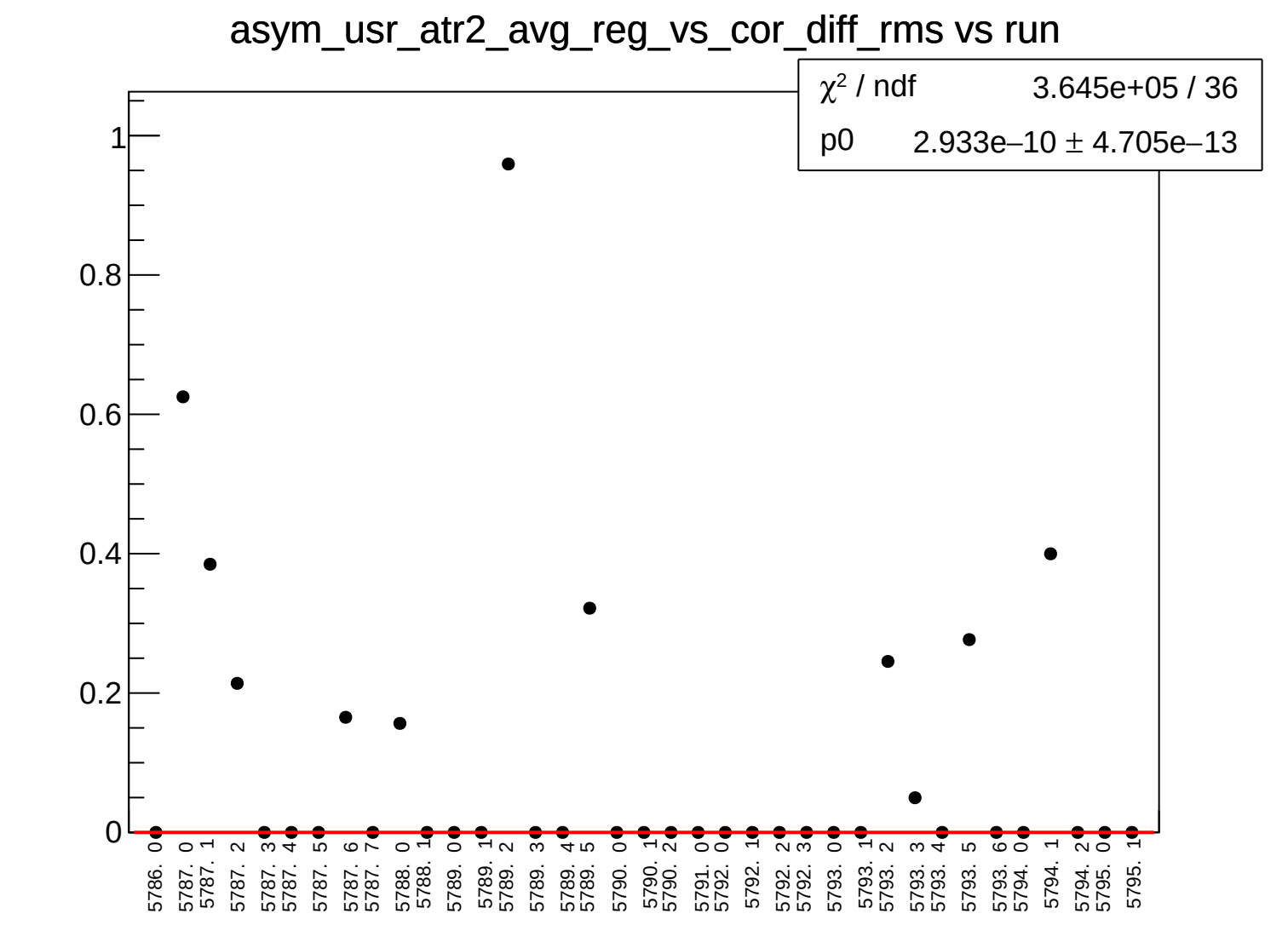

asym_usr_atr2_avg_eigen_dit_correction_rms vs run
χ² / ndf 1400 / 36
p0 6104 ± 7.041
6800
6600
6400
6200
6000
5800
5600
5400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

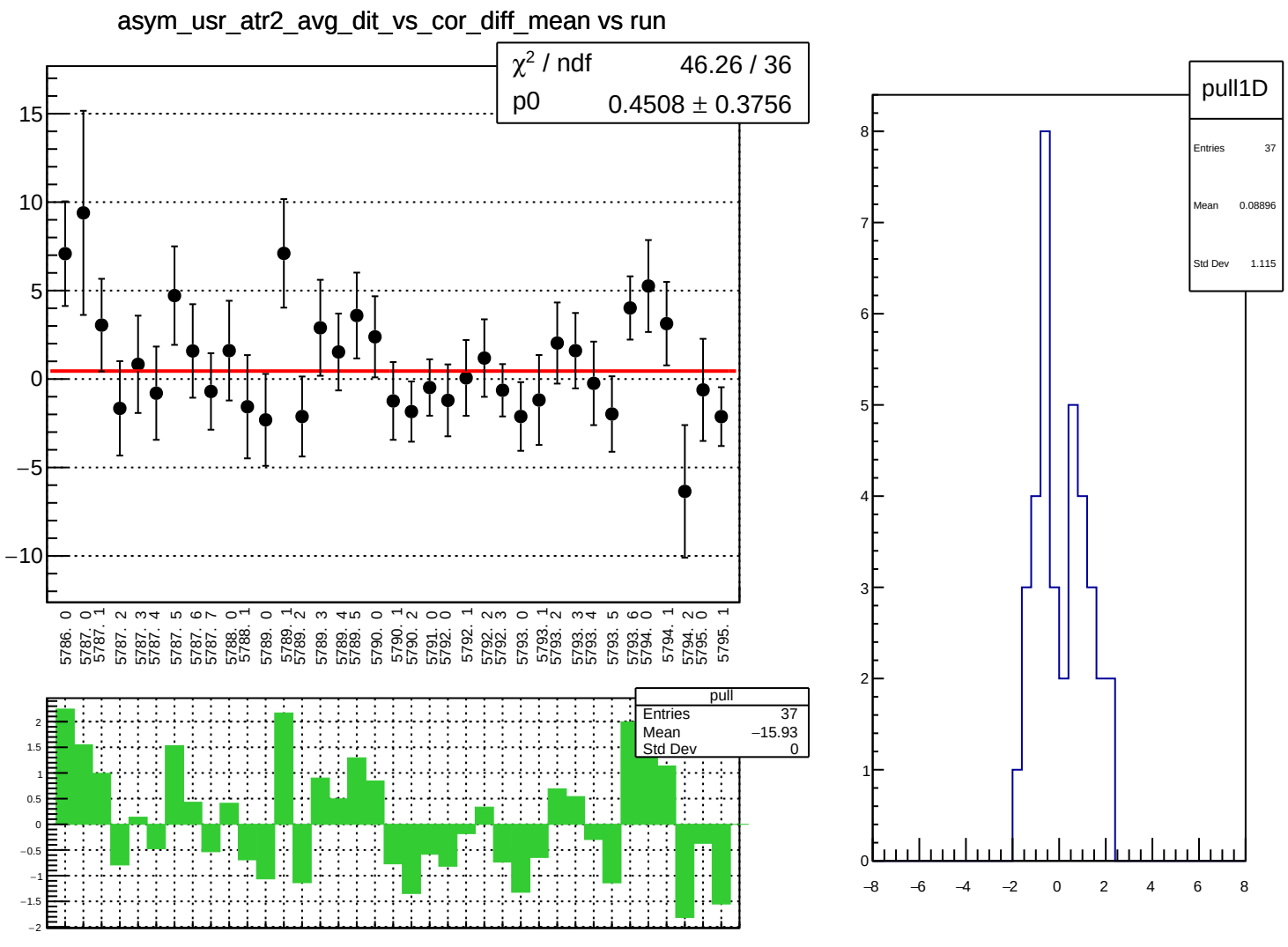

asym_usr_atr2_avg_mean vs run
×10^3
χ² / ndf 39.06 / 36
p0 2.305e+04 ± 1.053e+04
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 21.64
Std Dev 0
2
1
0
−1
−2
−3

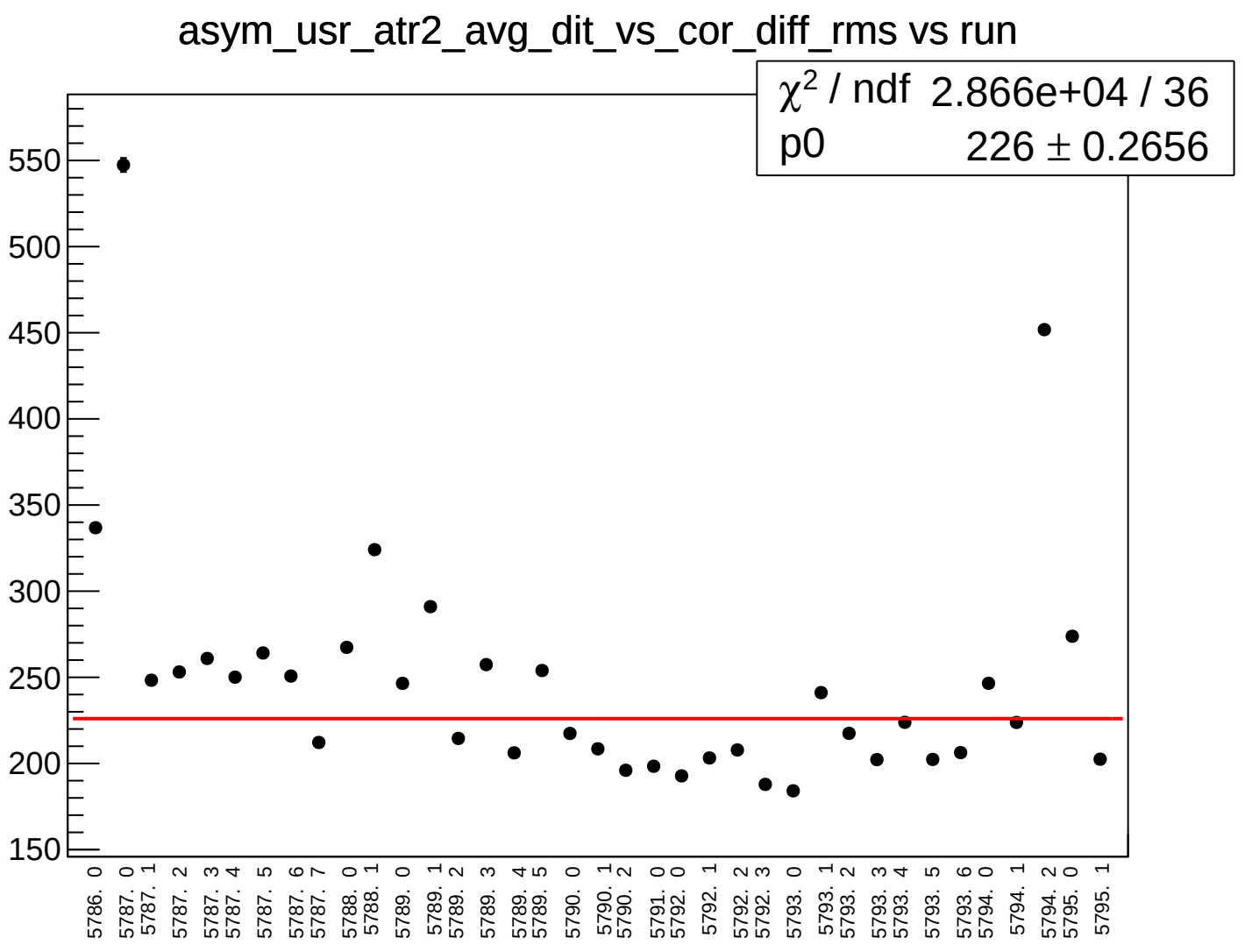

pull1D
Entries 37
Mean 0.02078
Std Dev 1.027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

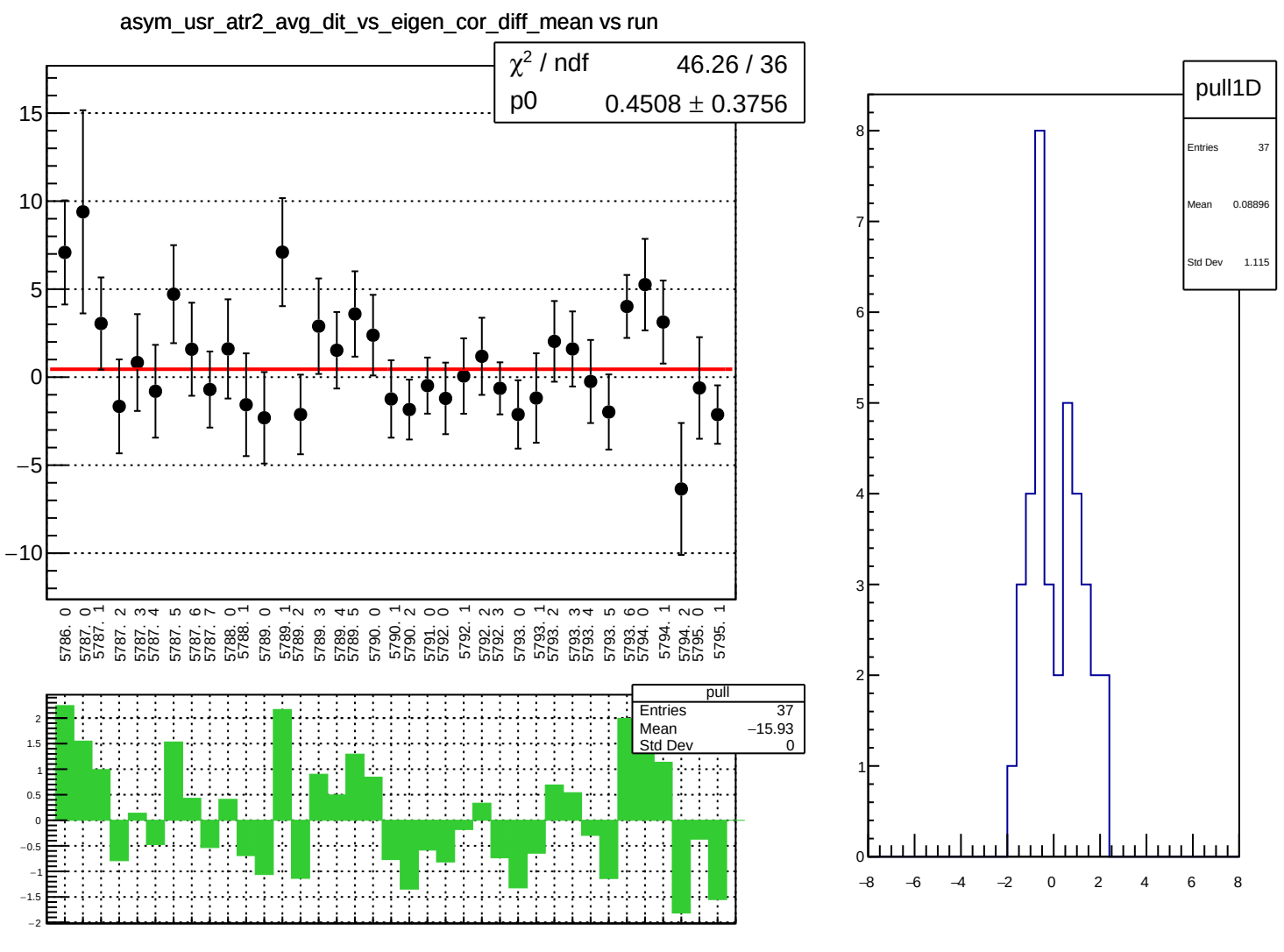

asym_usr_atr2_avg_rms vs run
χ² / ndf 1216 / 36
p0 6453 ± 7.443
7000
6800
6600
6400
6200
6000
5800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

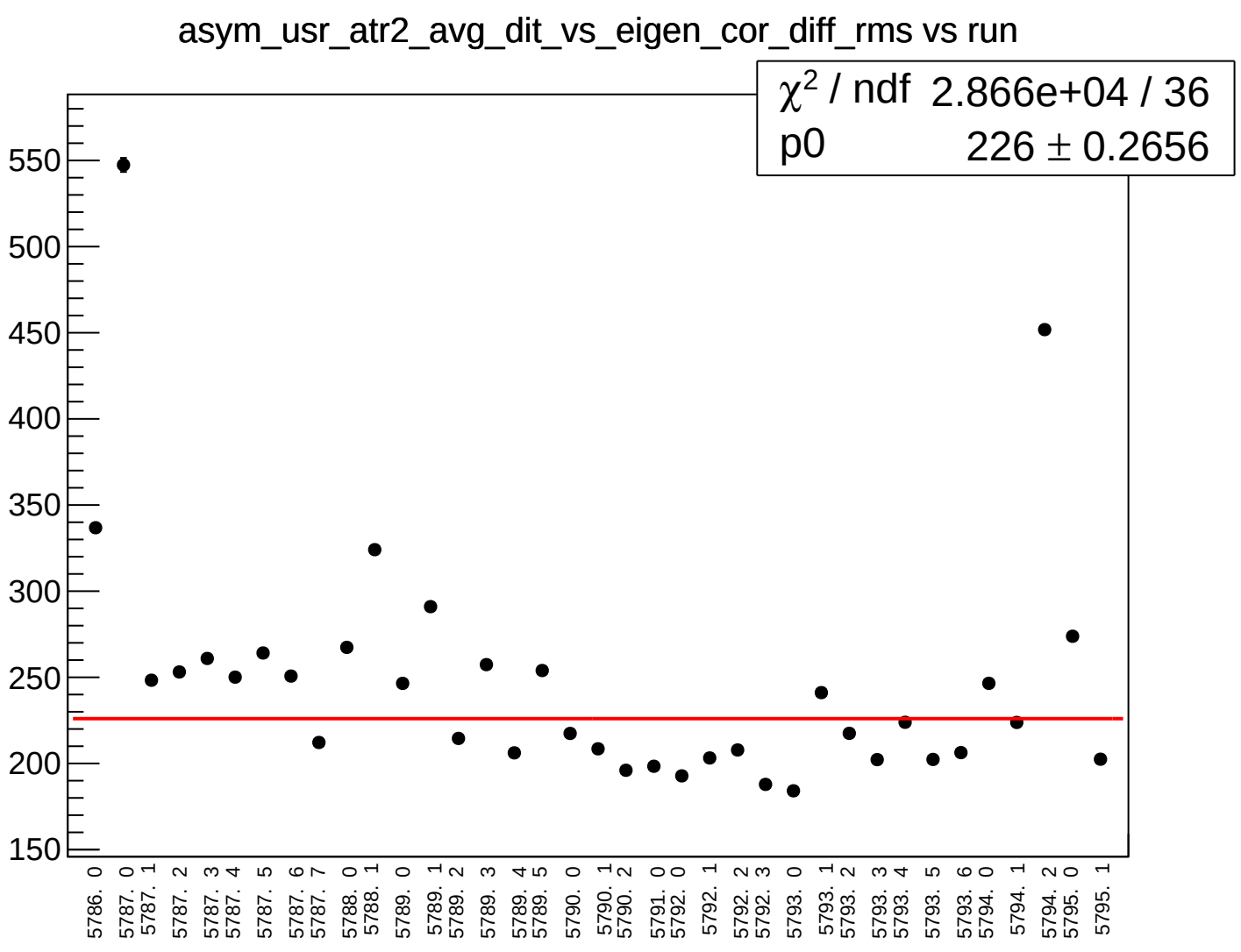

asym_usr_atr2_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 38.85 / 36
p0 1.025e−12 ± 6.655e−13
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.21
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.1108
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

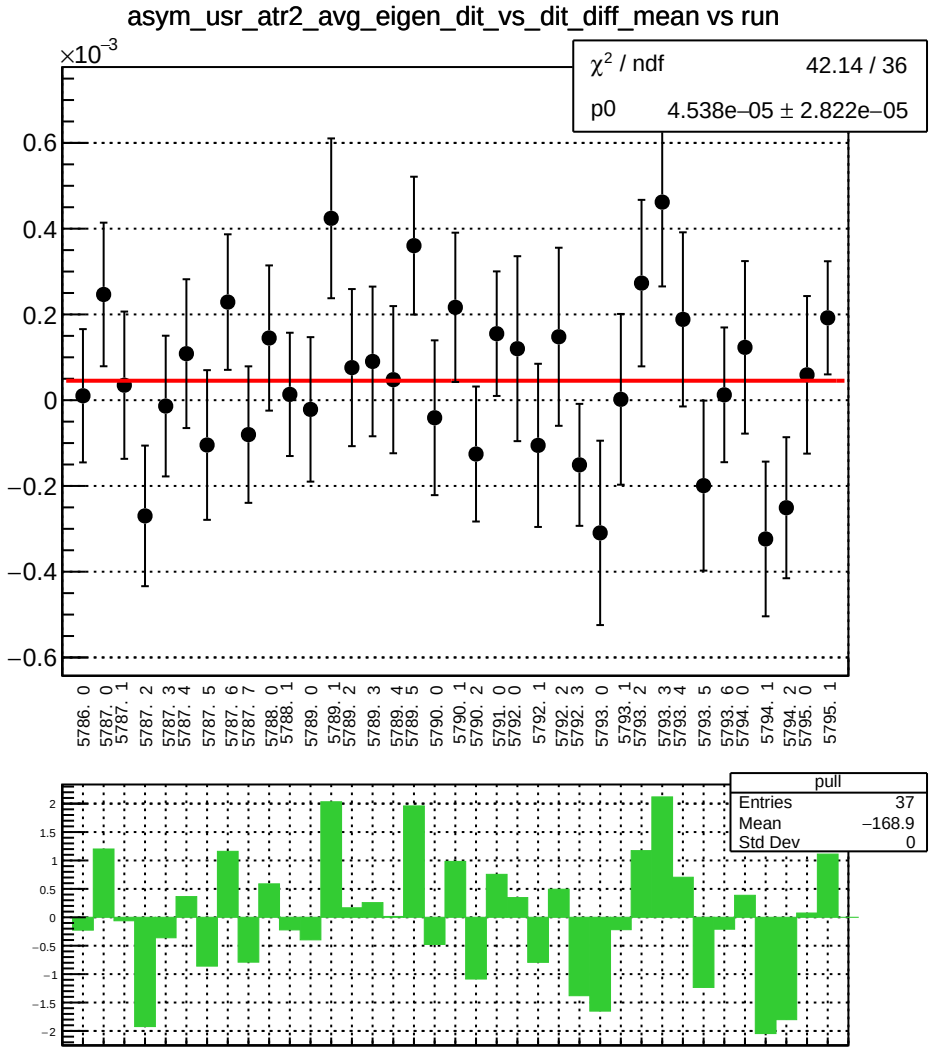

asym_usr_atr2_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.645e+05 / 36
p0 2.933e−10 ± 4.705e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

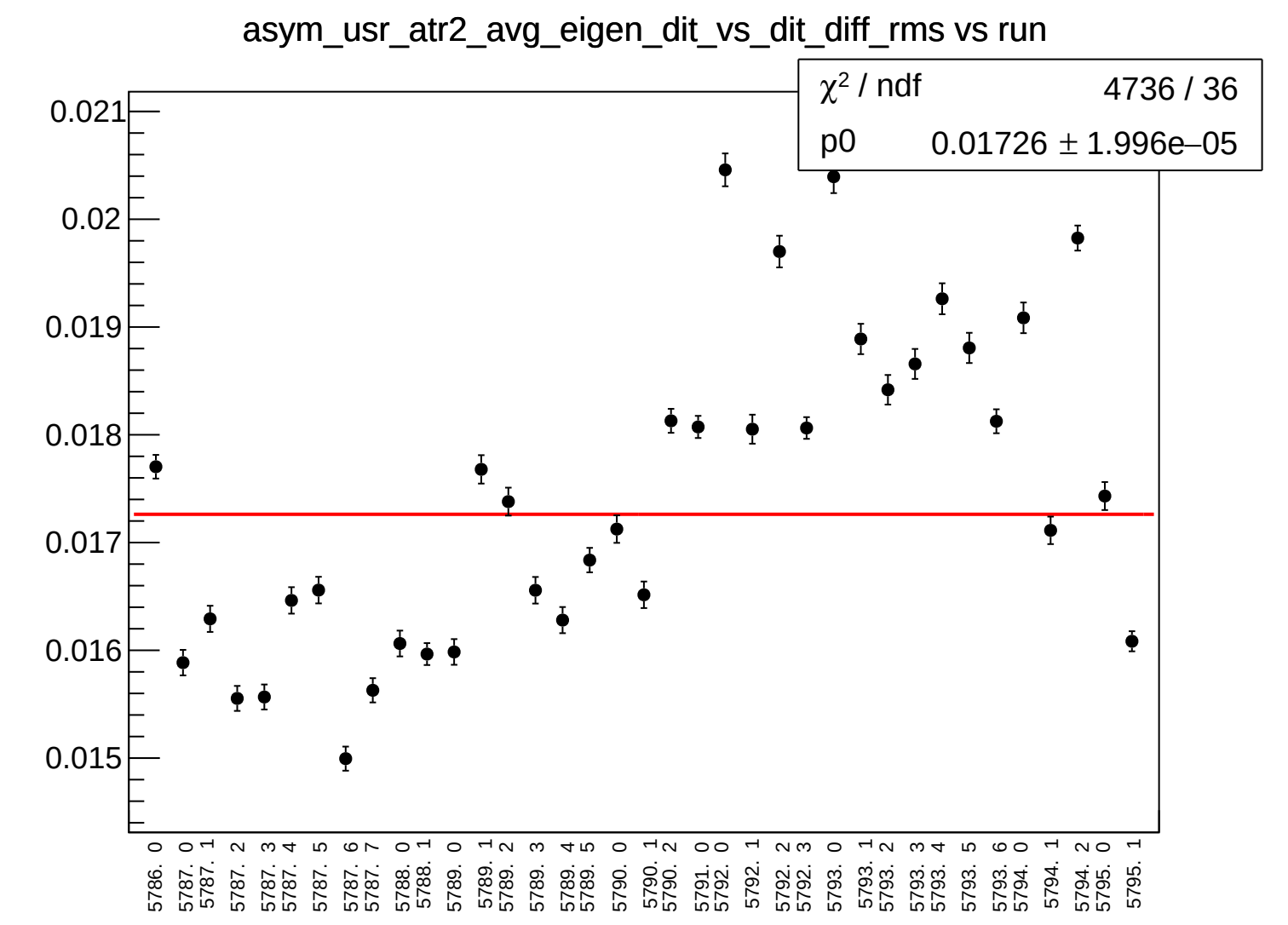

asym_usr_atr2_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 46.26 / 36
p0 0.4508 ± 0.3756
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.08896
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.866e+04 / 36
p0 226 ± 0.2656
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.26 / 36
p0 0.4508 ± 0.3756
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.08896
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.866e+04 / 36
p0 226 ± 0.2656
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.14 / 36
p0 4.538e−05 ± 2.822e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −168.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004435
Std Dev 1.067
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4736 / 36
p0 0.01726 ± 1.996e–05
0.021
0.02
0.019
0.018
0.017
0.016
0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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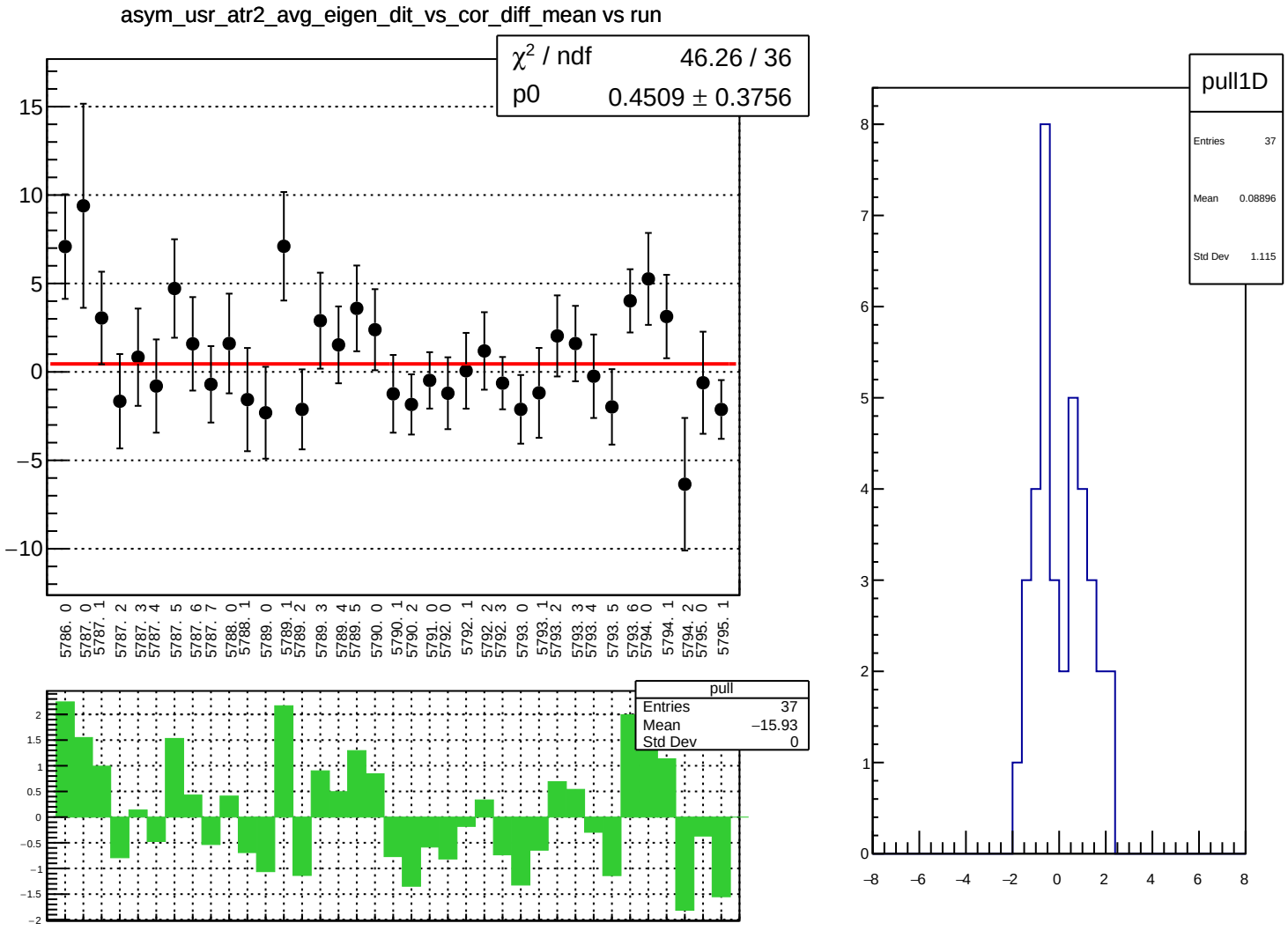
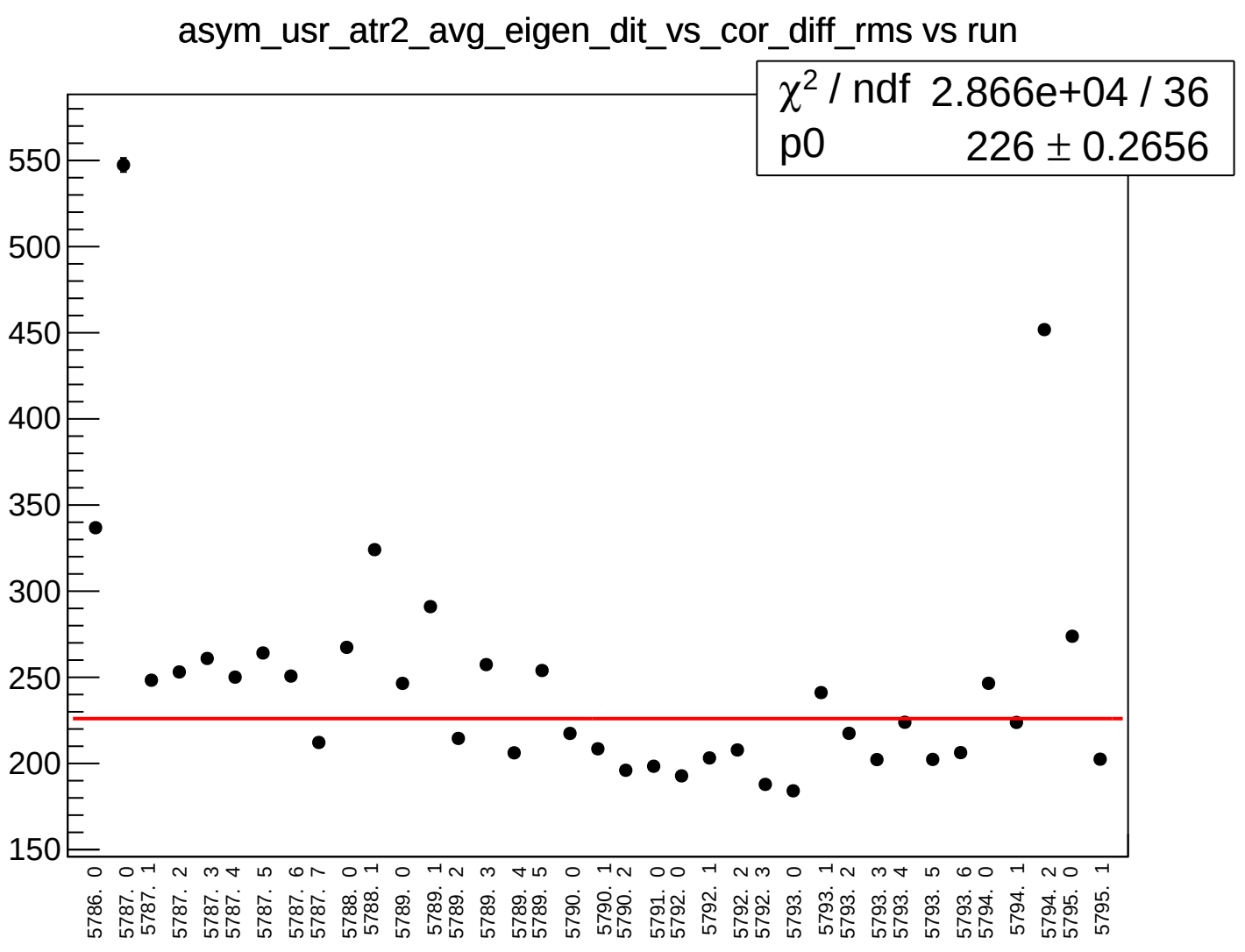
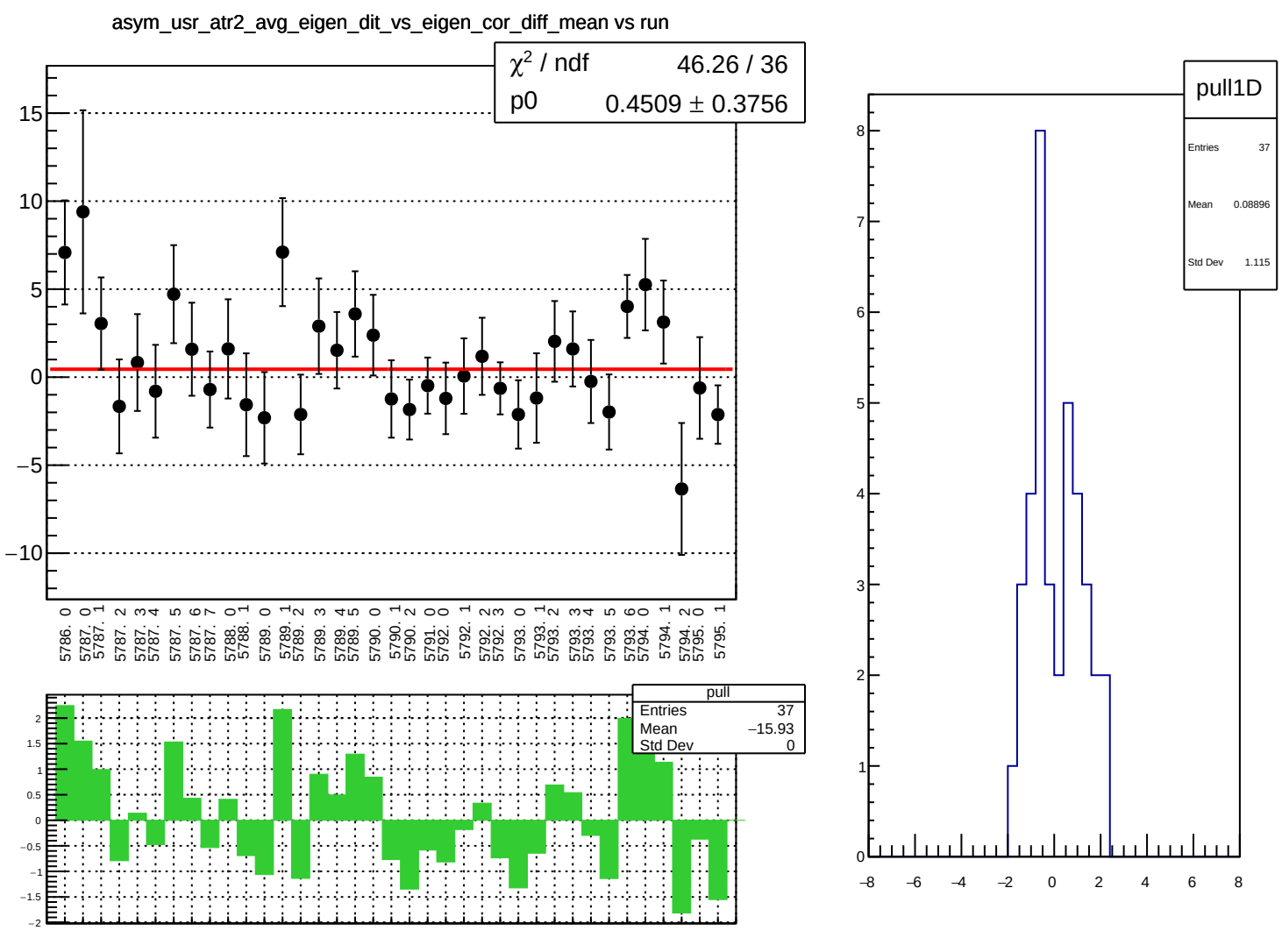
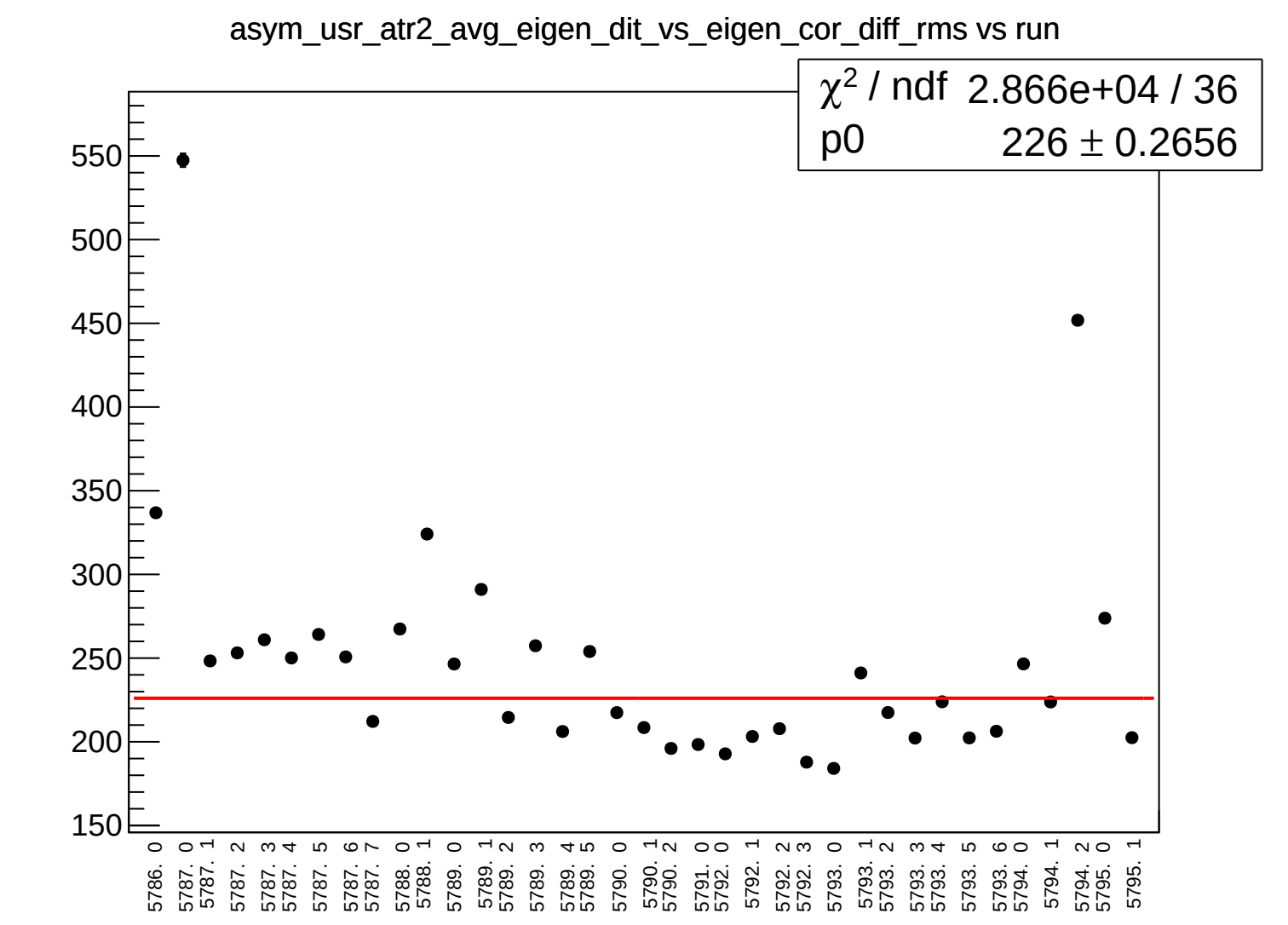
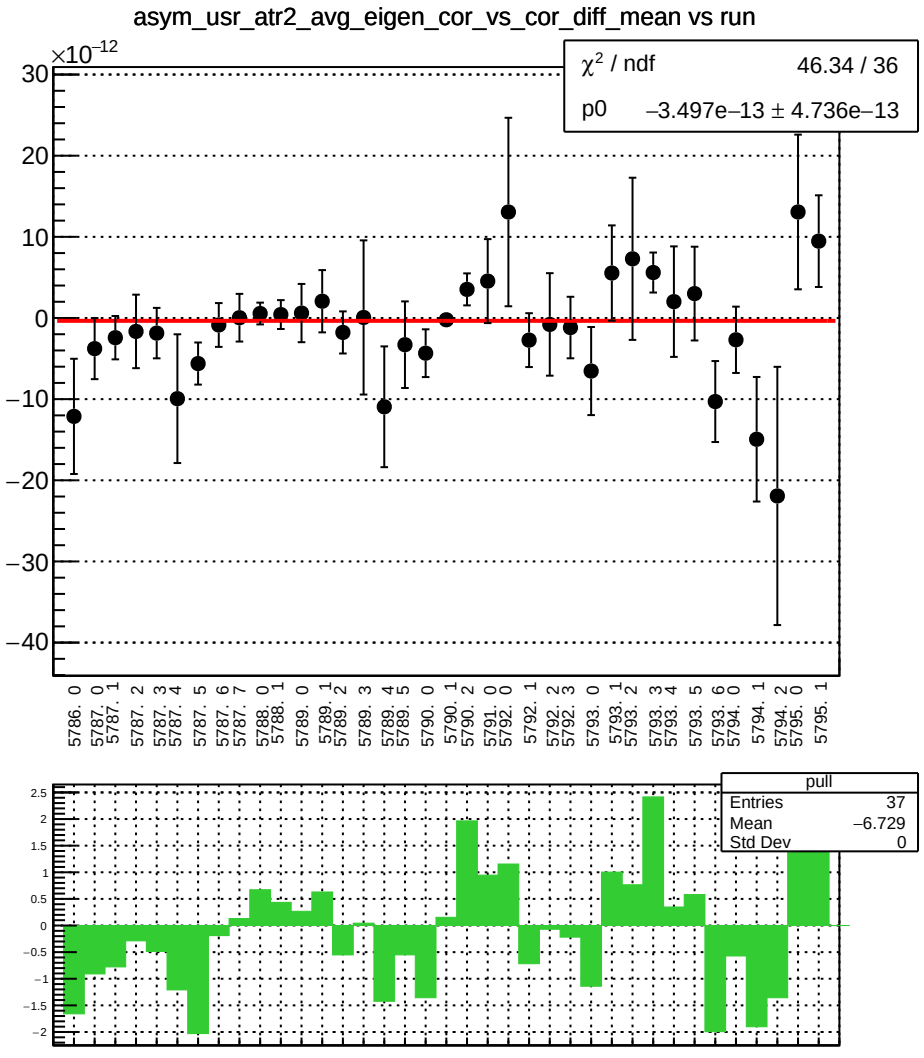
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

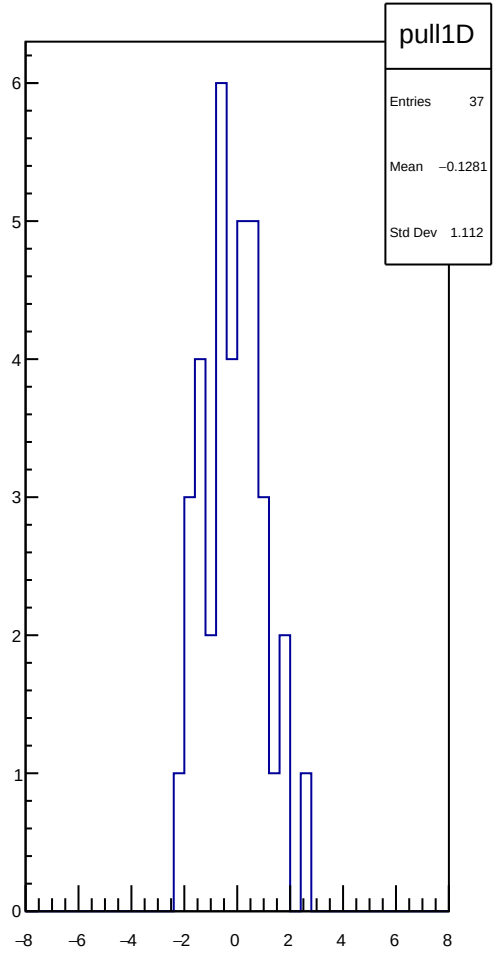

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.26 / 36
p0 0.4509 ± 0.3756
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.08896
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

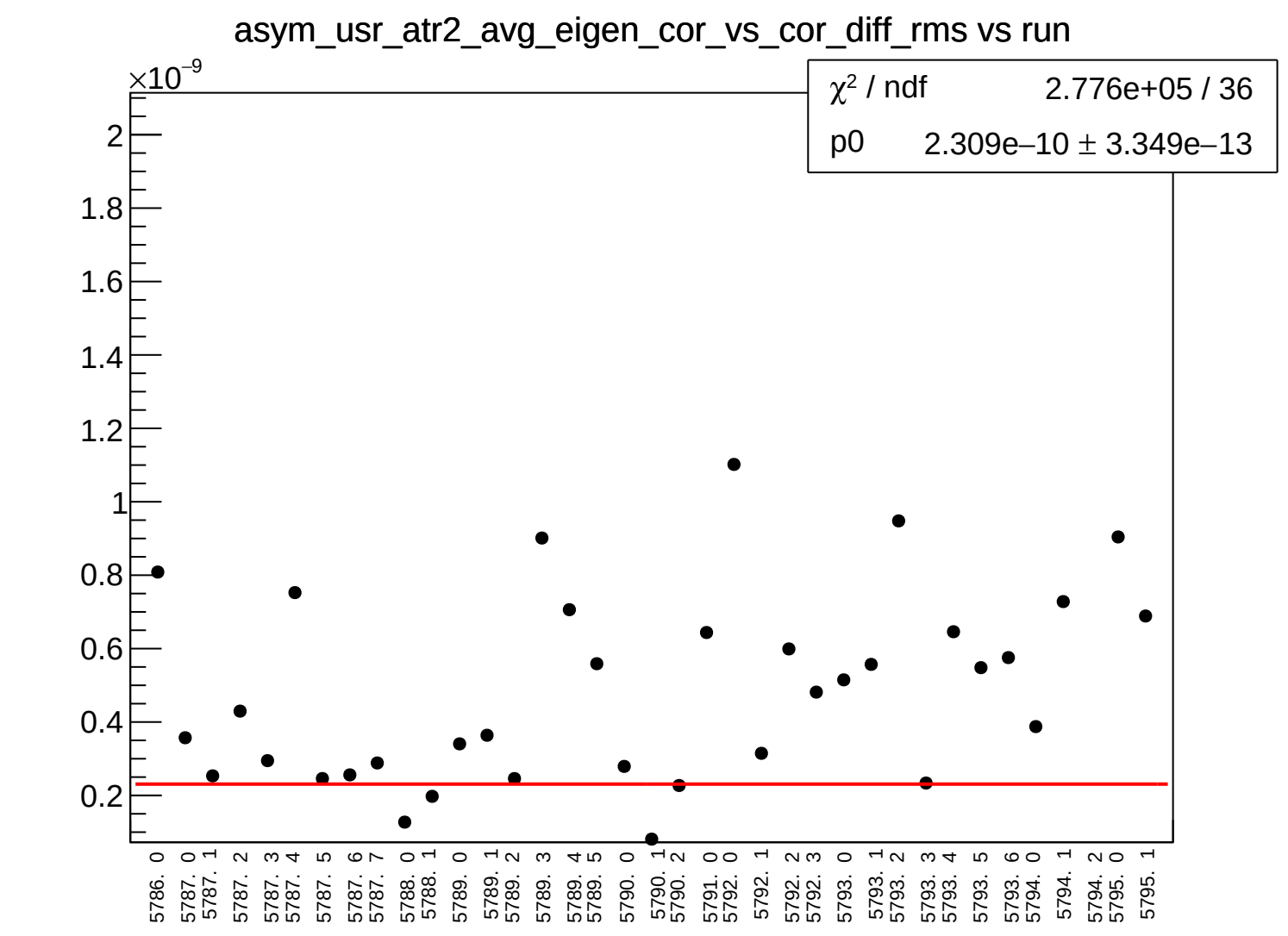

asym_usr_atr2_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.866e+04 / 36
p0 226 ± 0.2656
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

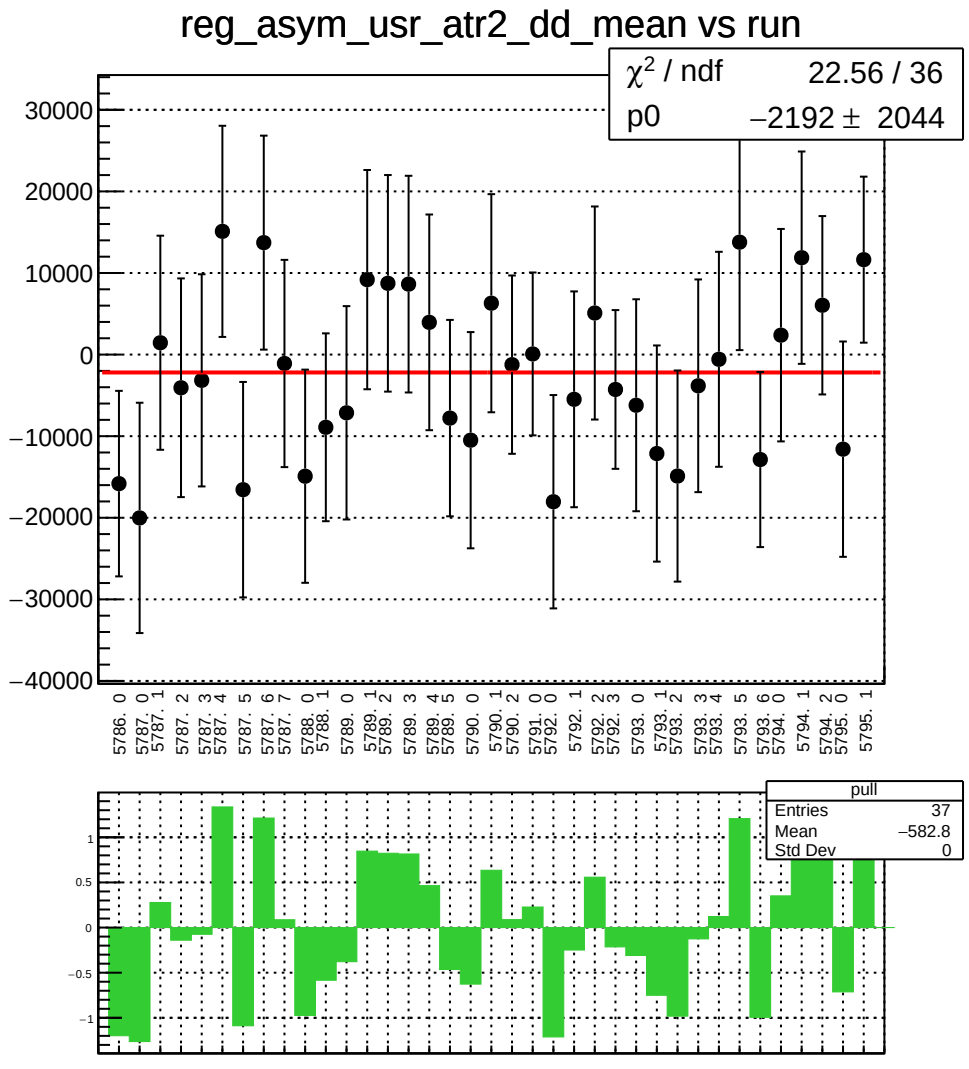

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.26 / 36
p0 0.4509 ± 0.3756
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.08896
Std Dev 1.115
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

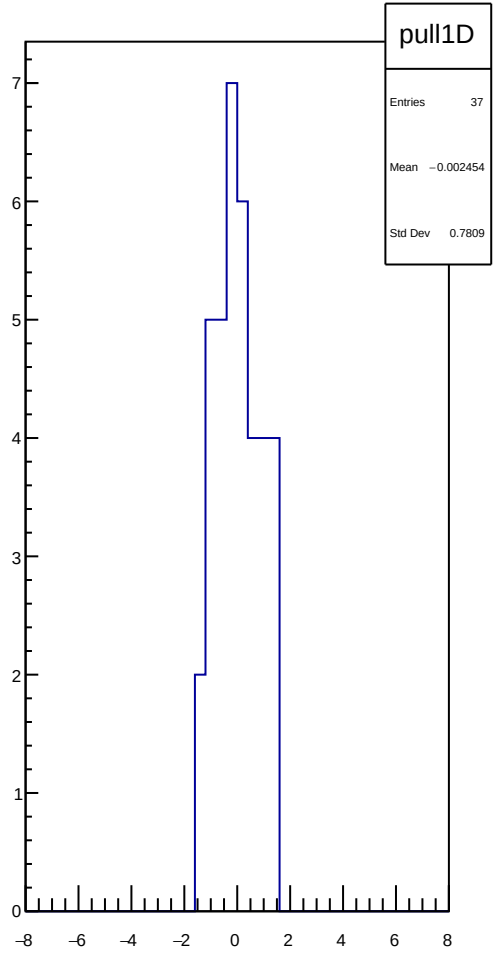

asym_usr_atr2_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.866e+04 / 36
p0 226 ± 0.2656
550
500
450
400
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

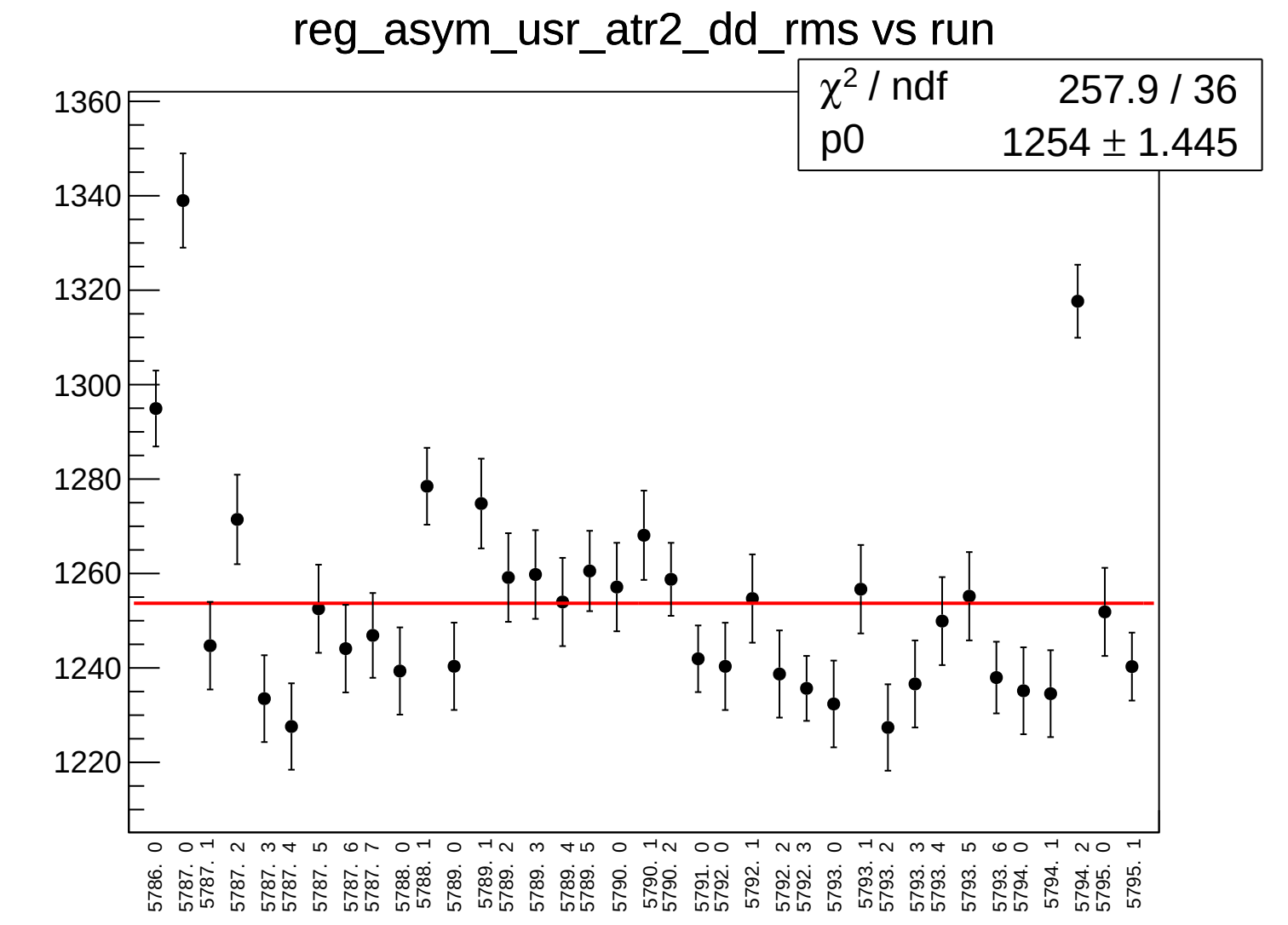

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 46.34 / 36
p0 −3.497e−13 ± 4.736e−13
pull
Entries 37
Mean −6.729
Std Dev 0

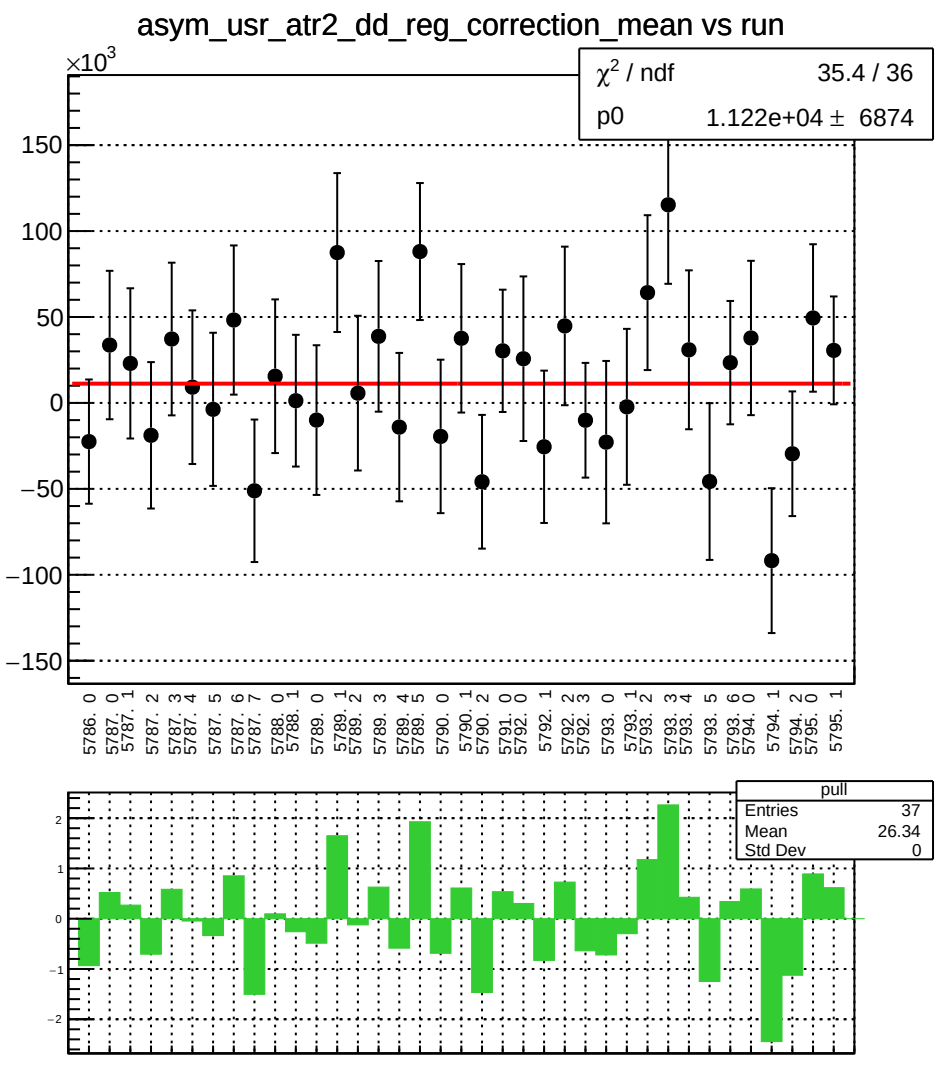

pull1D
Entries 37
Mean −0.1281
Std Dev 1.112

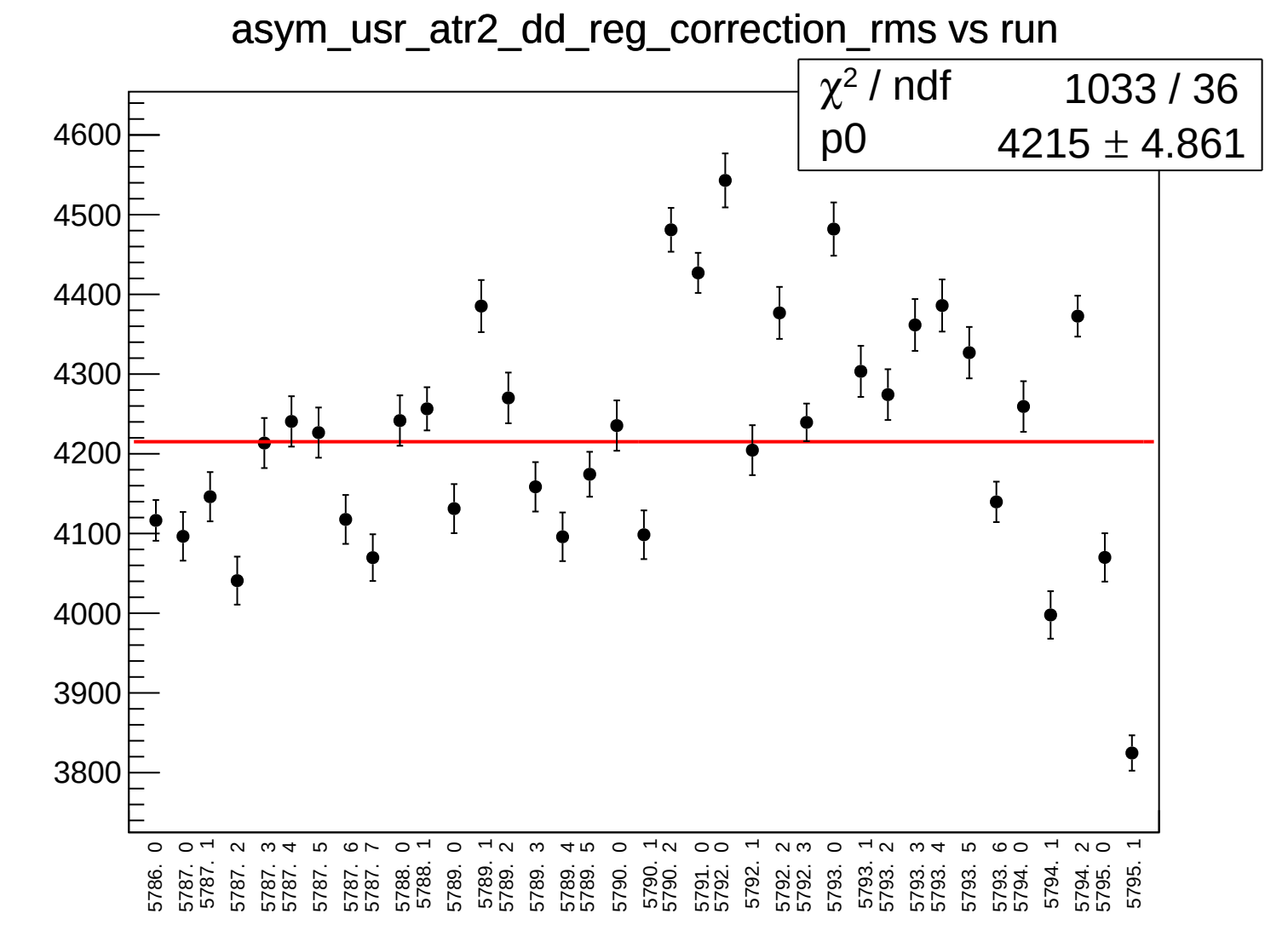

asym_usr_atr2_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.776e+05 / 36
p0 2.309e−10 ± 3.349e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

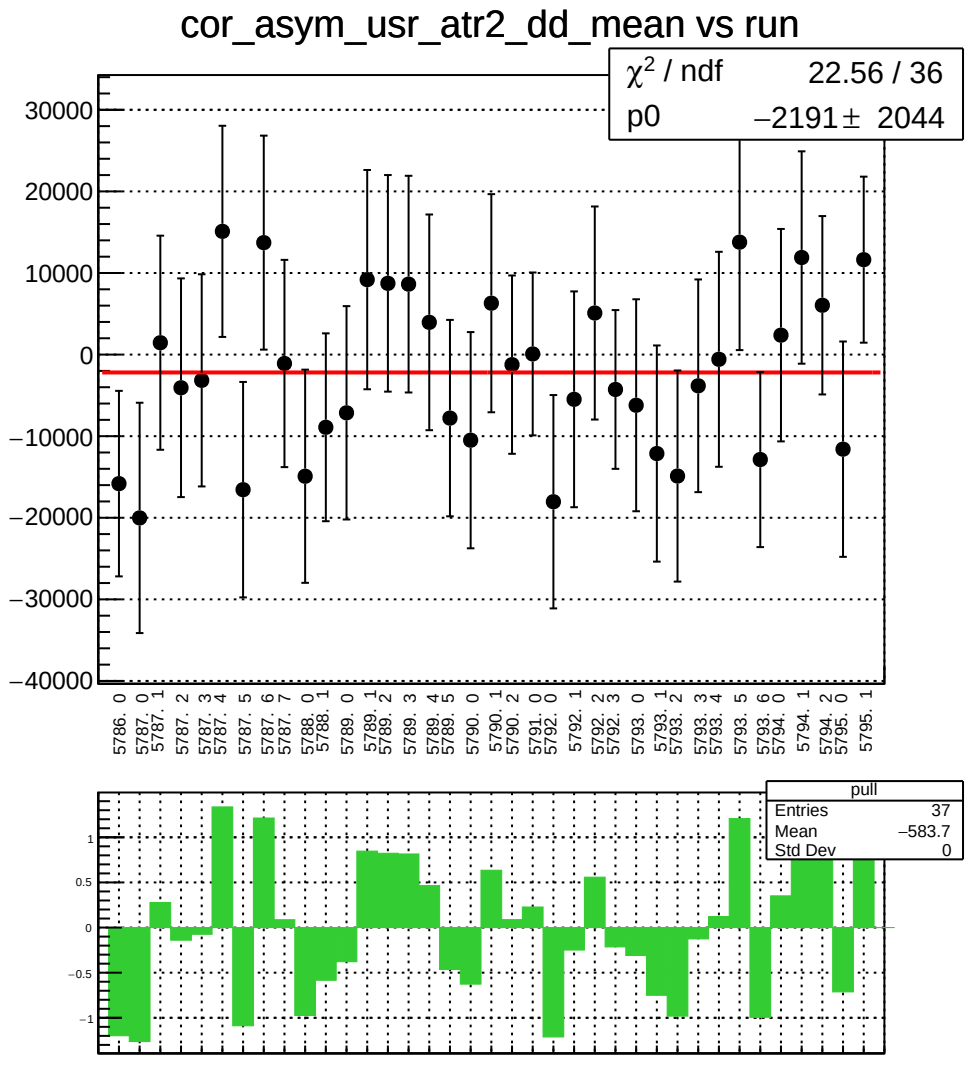

reg_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.56 / 36
p0 −2192 ± 2044
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −582.8
Std Dev 0
1
0.5
0
−0.5
−1

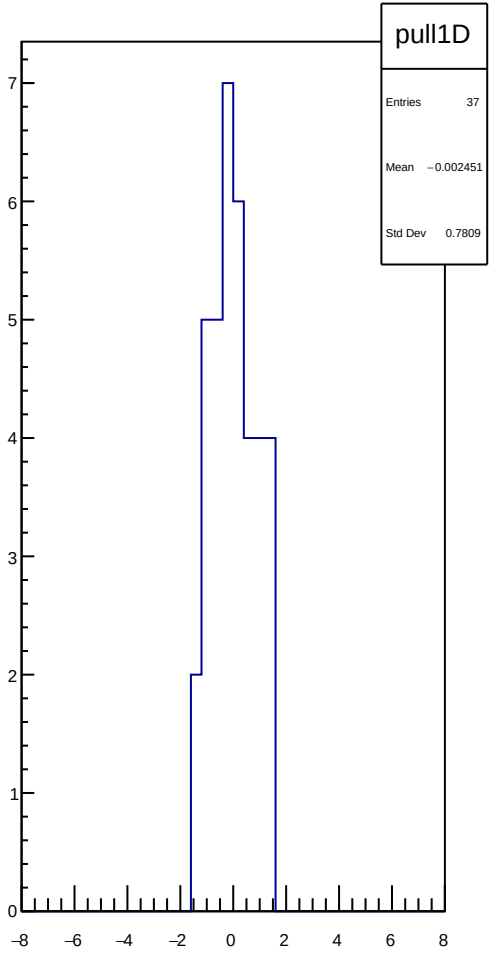

pull1D
Entries 37
Mean −0.002454
Std Dev 0.7809
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

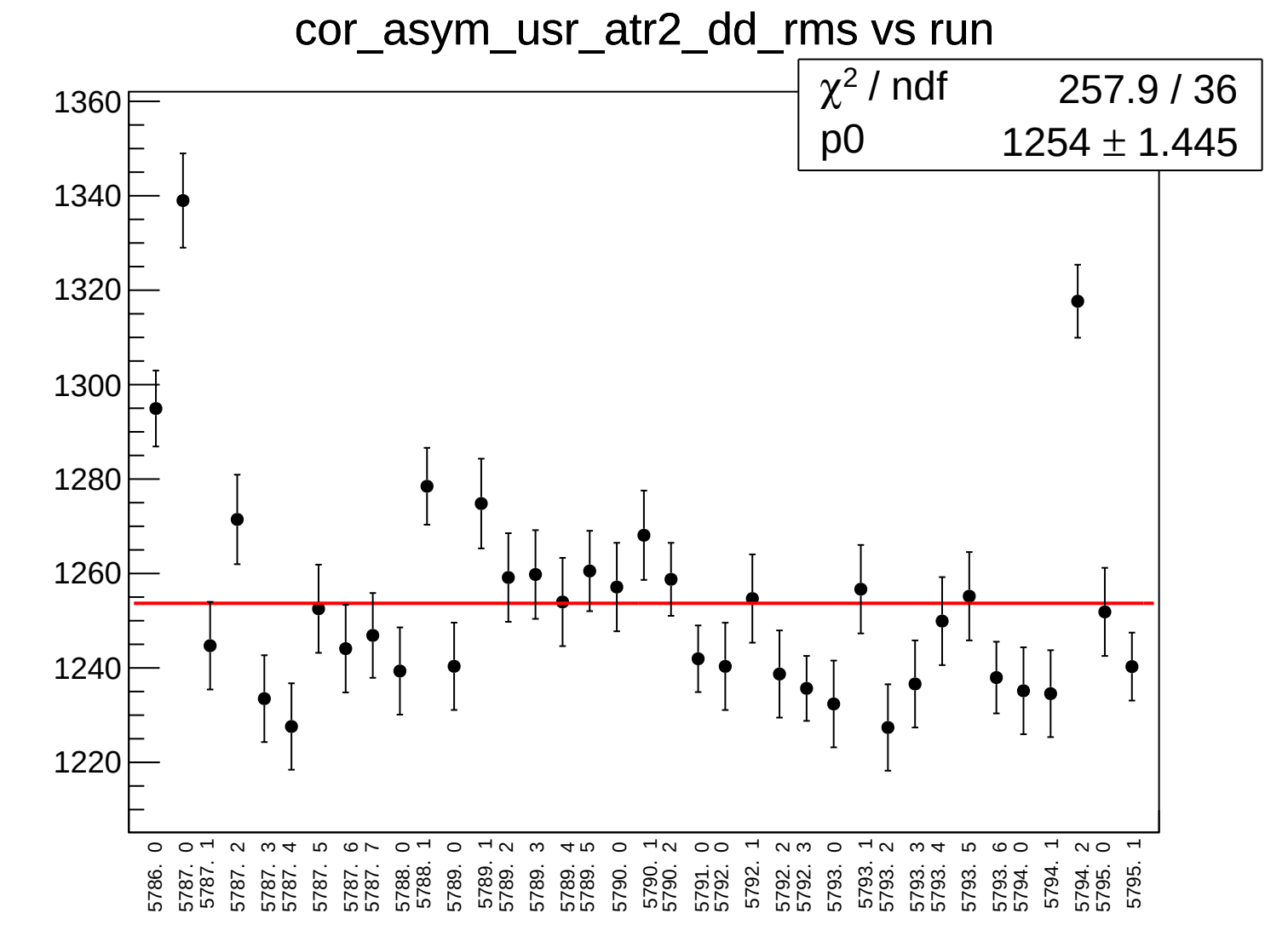

reg_asym_usr_atr2_dd_rms vs run
χ² / ndf 257.9 / 36
p0 1254 ± 1.445
1360
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

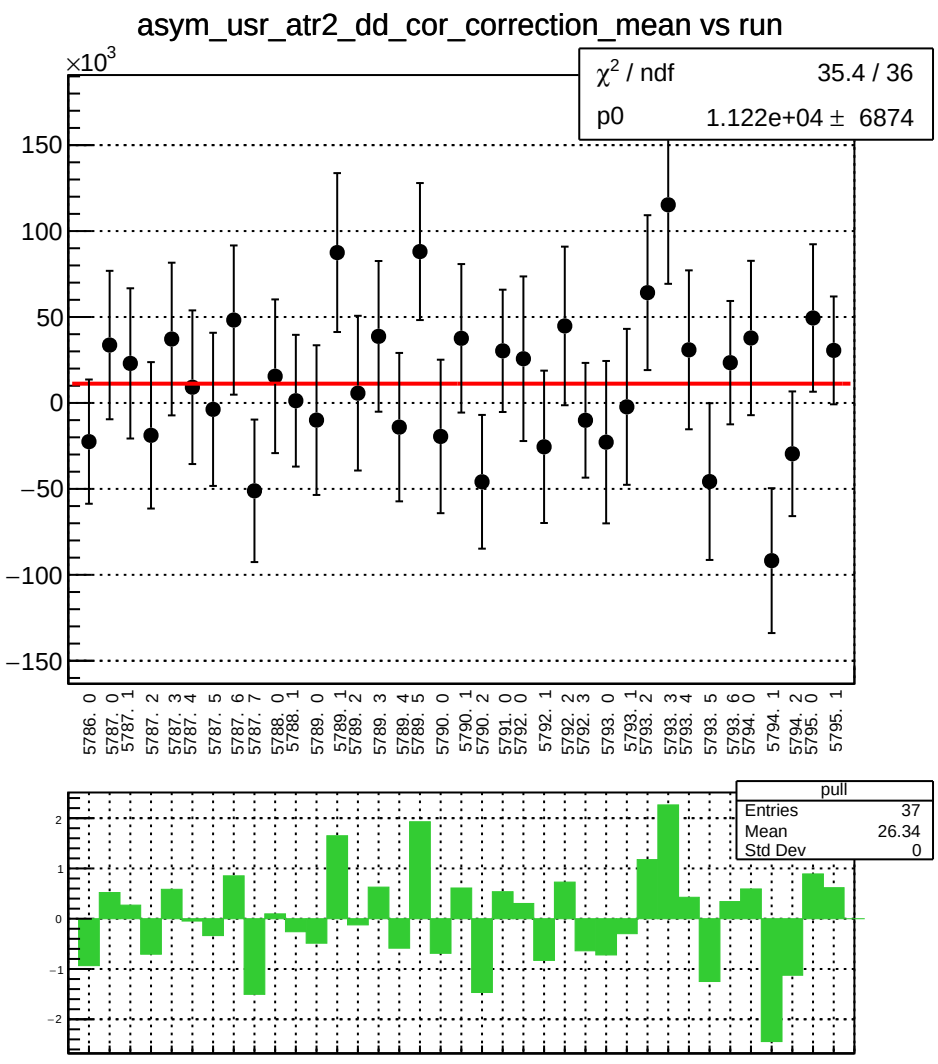

asym_usr_atr2_dd_reg_correction_mean vs run
×10^3
χ² / ndf 35.4 / 36
p0 1.122e+04 ± 6874
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.34
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01564
Std Dev 0.978
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

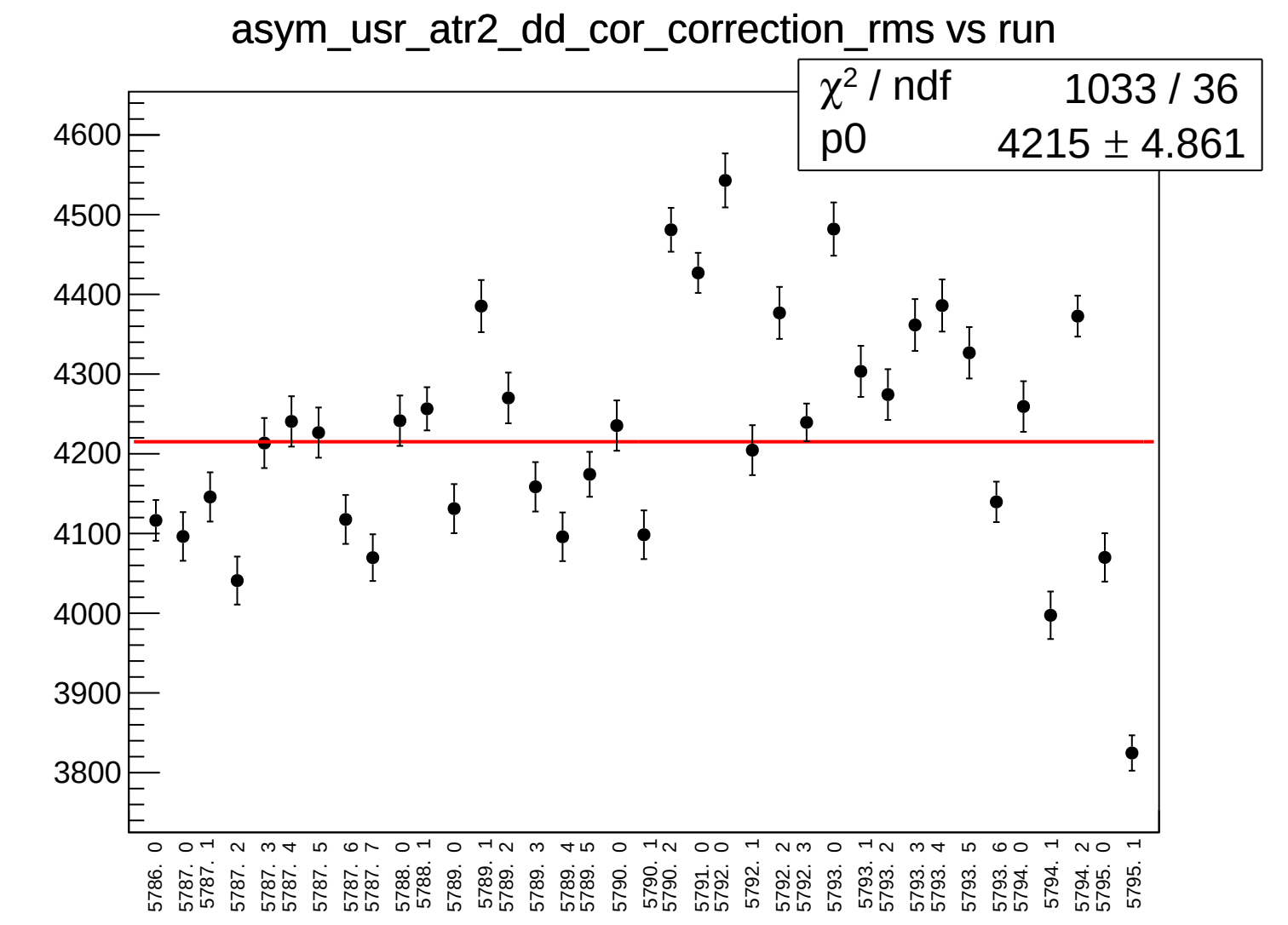

asym_usr_atr2_dd_reg_correction_rms vs run
χ² / ndf 1033 / 36
p0 4215 ± 4.861
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

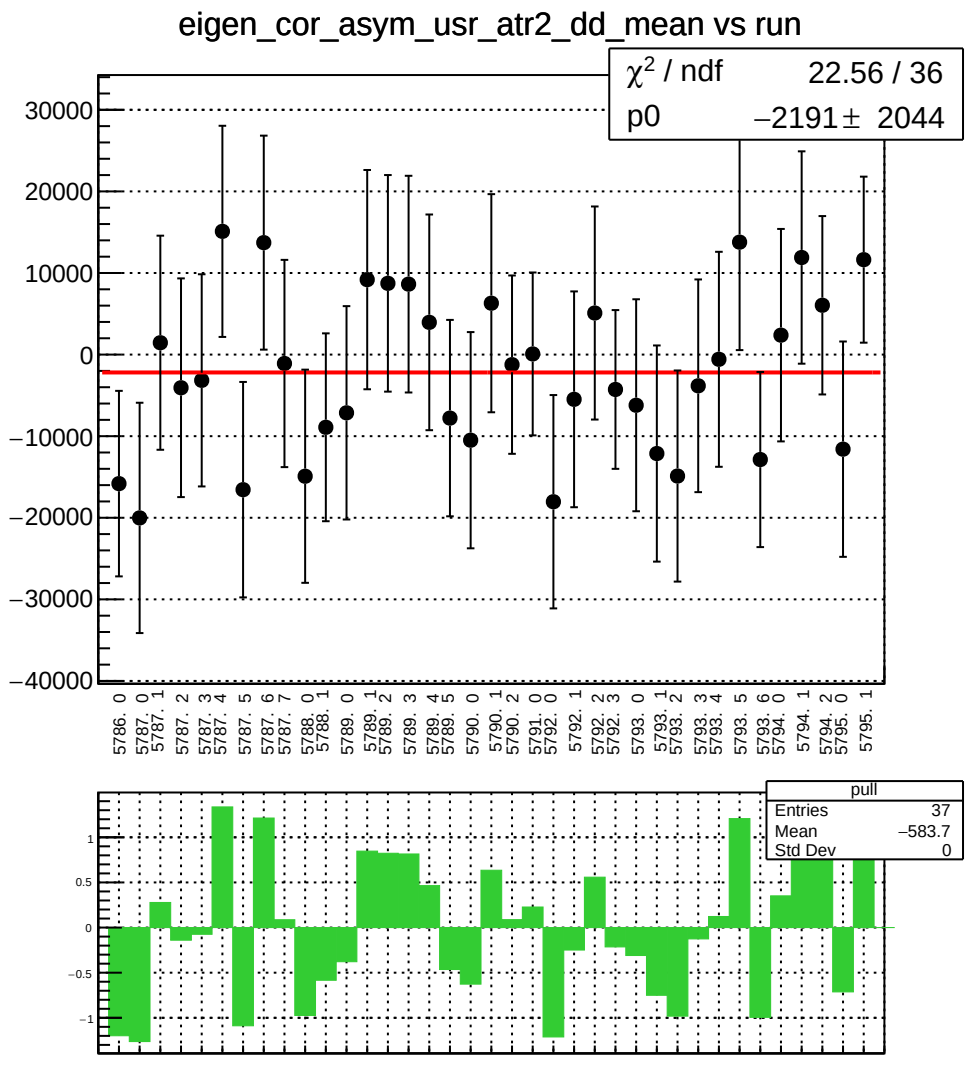

cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.56 / 36
p0 −2191 ± 2044
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −583.7
Std Dev 0
1
0.5
0
−0.5
−1

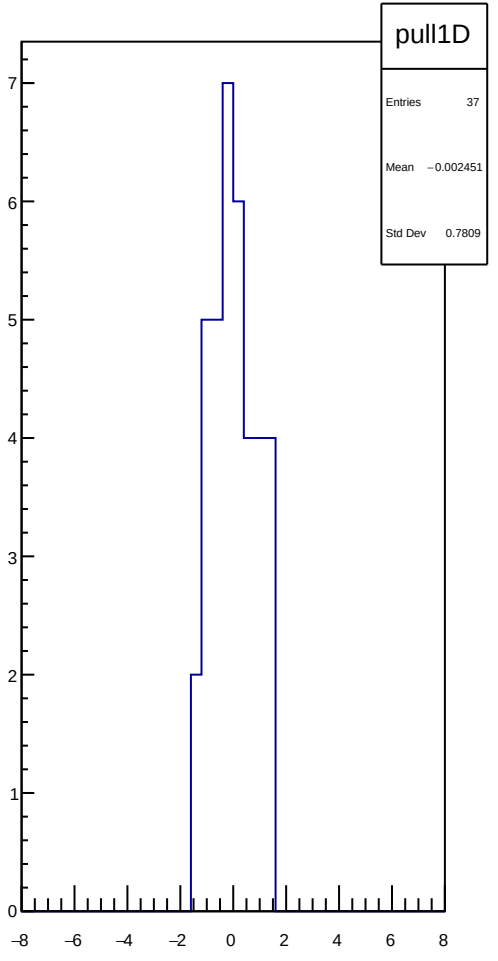

pull1D
Entries 37
Mean −0.002451
Std Dev 0.7809
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 257.9 / 36
p0 1254 ± 1.445
1360
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_dd_cor_correction_mean vs run
×10^3
χ² / ndf 35.4 / 36
p0 1.122e+04 ± 6874
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.34
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01565
Std Dev 0.978
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_cor_correction_rms vs run
χ² / ndf 1033 / 36
p0 4215 ± 4.861
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_usr_atr2_dd_mean vs run
χ² / ndf 22.56 / 36
p0 −2191 ± 2044
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −583.7
Std Dev 0
1
0.5
0
−0.5
−1


pull1D
Entries 37
Mean −0.002451
Std Dev 0.7809
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6
5
4
3
2
1
0
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−6
−4
−2
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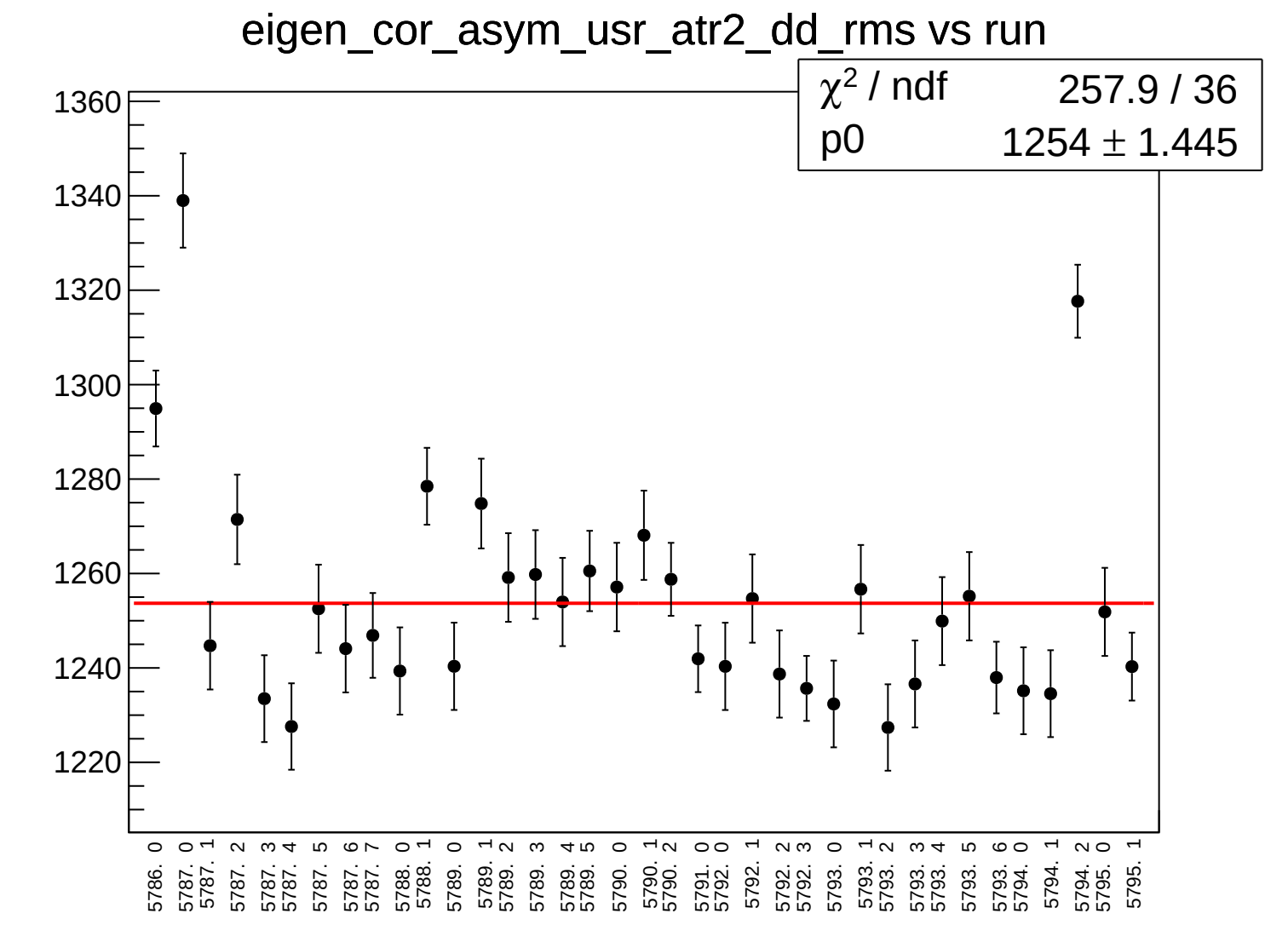
2
4
6
8


eigen_cor_asym_usr_atr2_dd_rms vs run
χ² / ndf 257.9 / 36
p0 1254 ± 1.445
1360
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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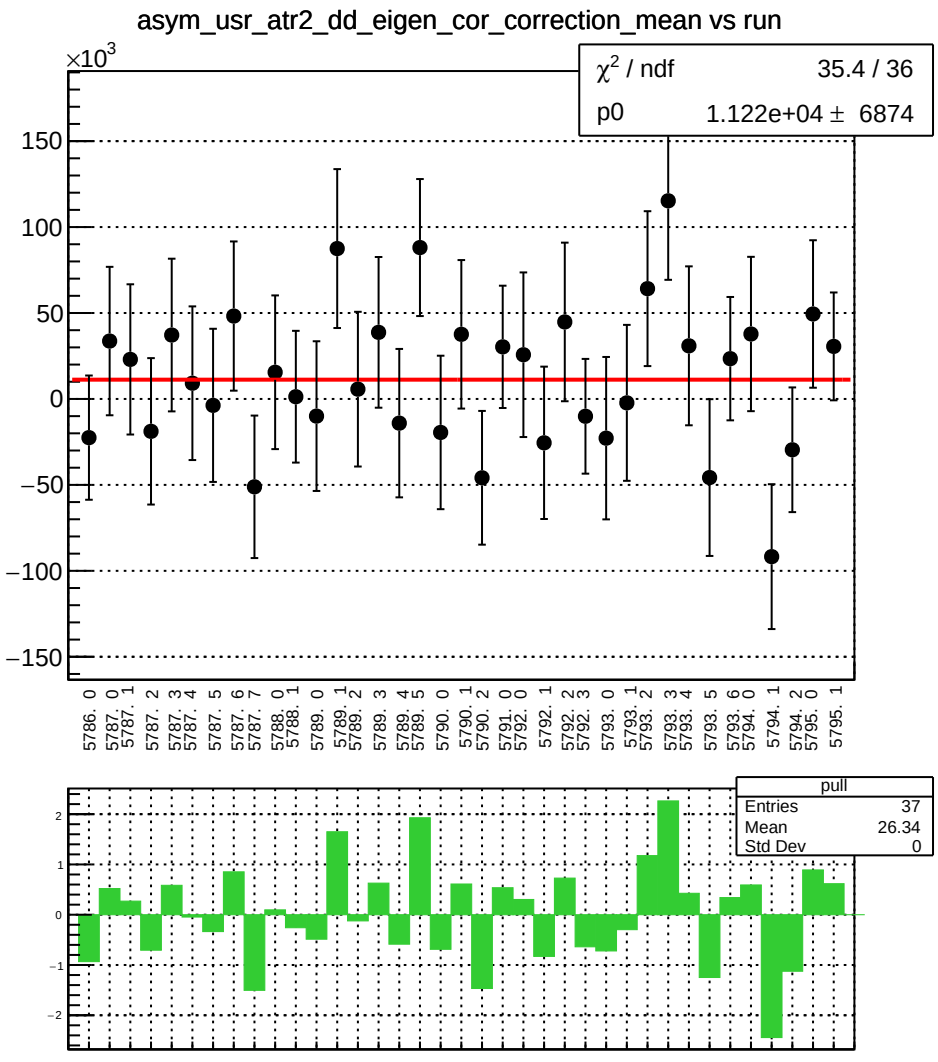
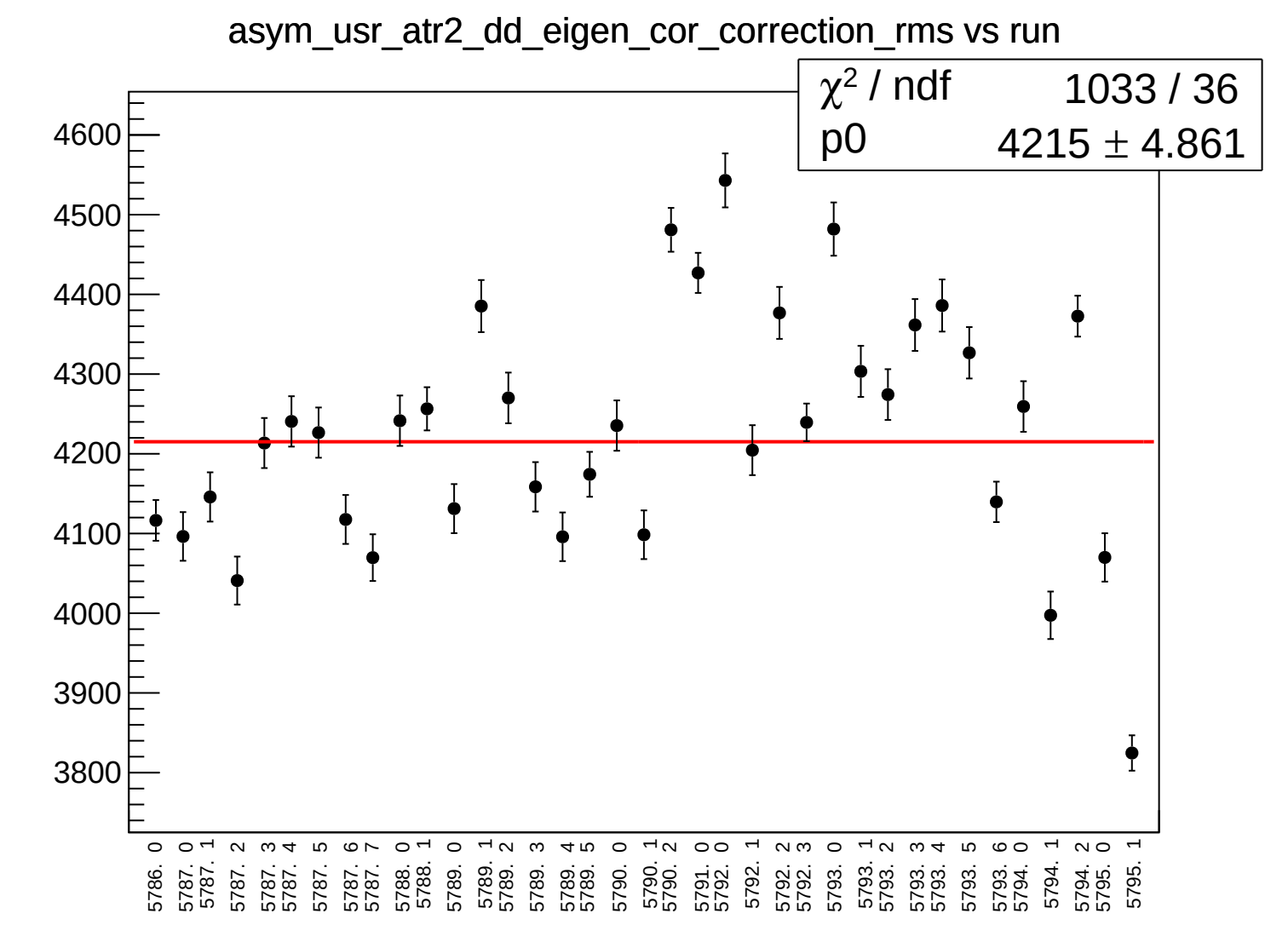
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.4 / 36
p0 1.122e+04 ± 6874
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.34
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01565
Std Dev 0.978
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_cor_correction_rms vs run
χ² / ndf 1033 / 36
p0 4215 ± 4.861
4600
4500
4400
4300
4200
4100
4000
3900
3800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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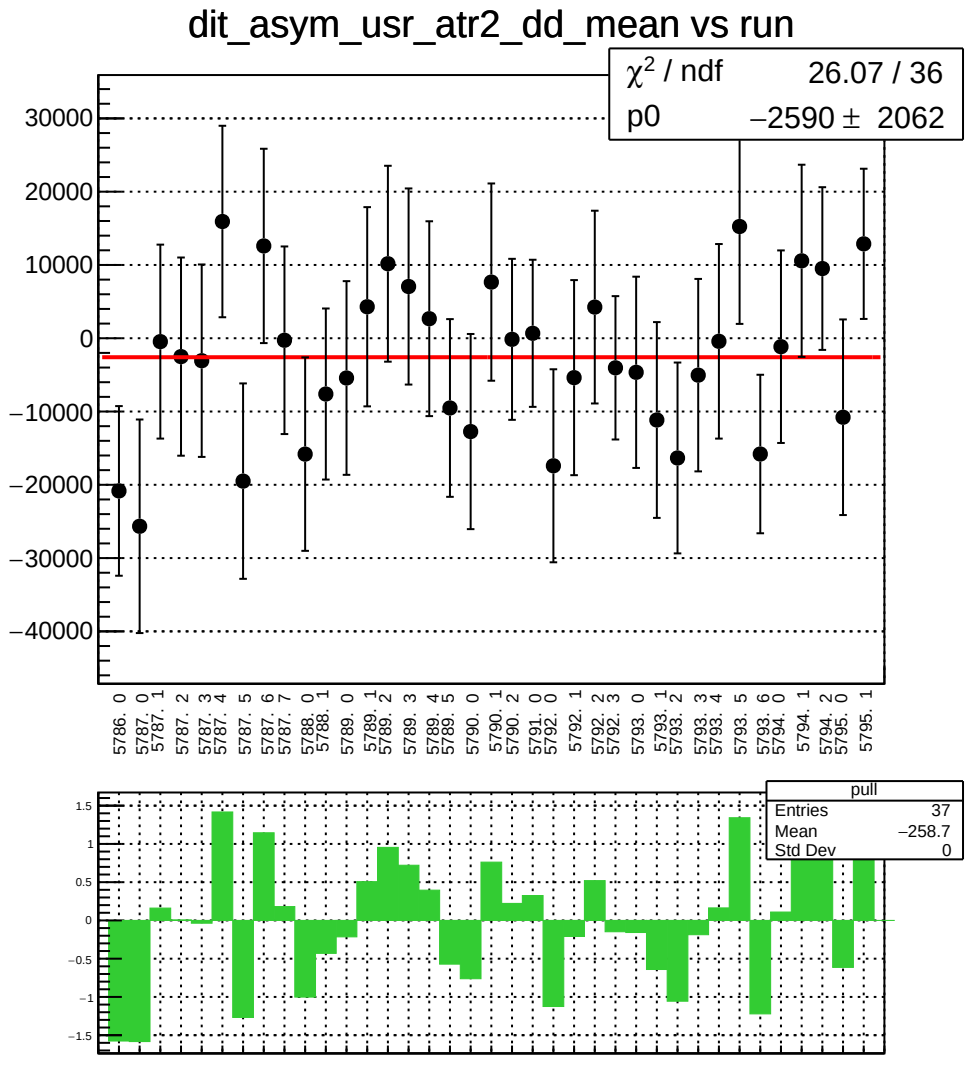
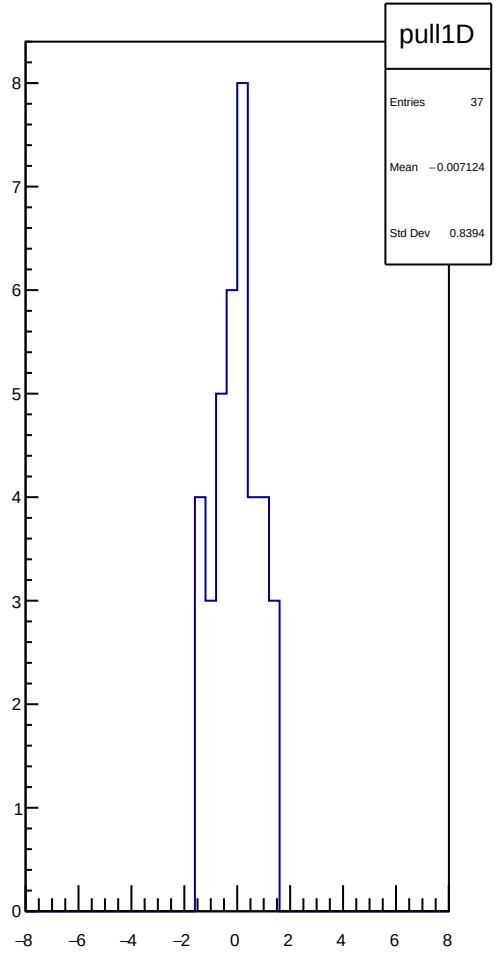
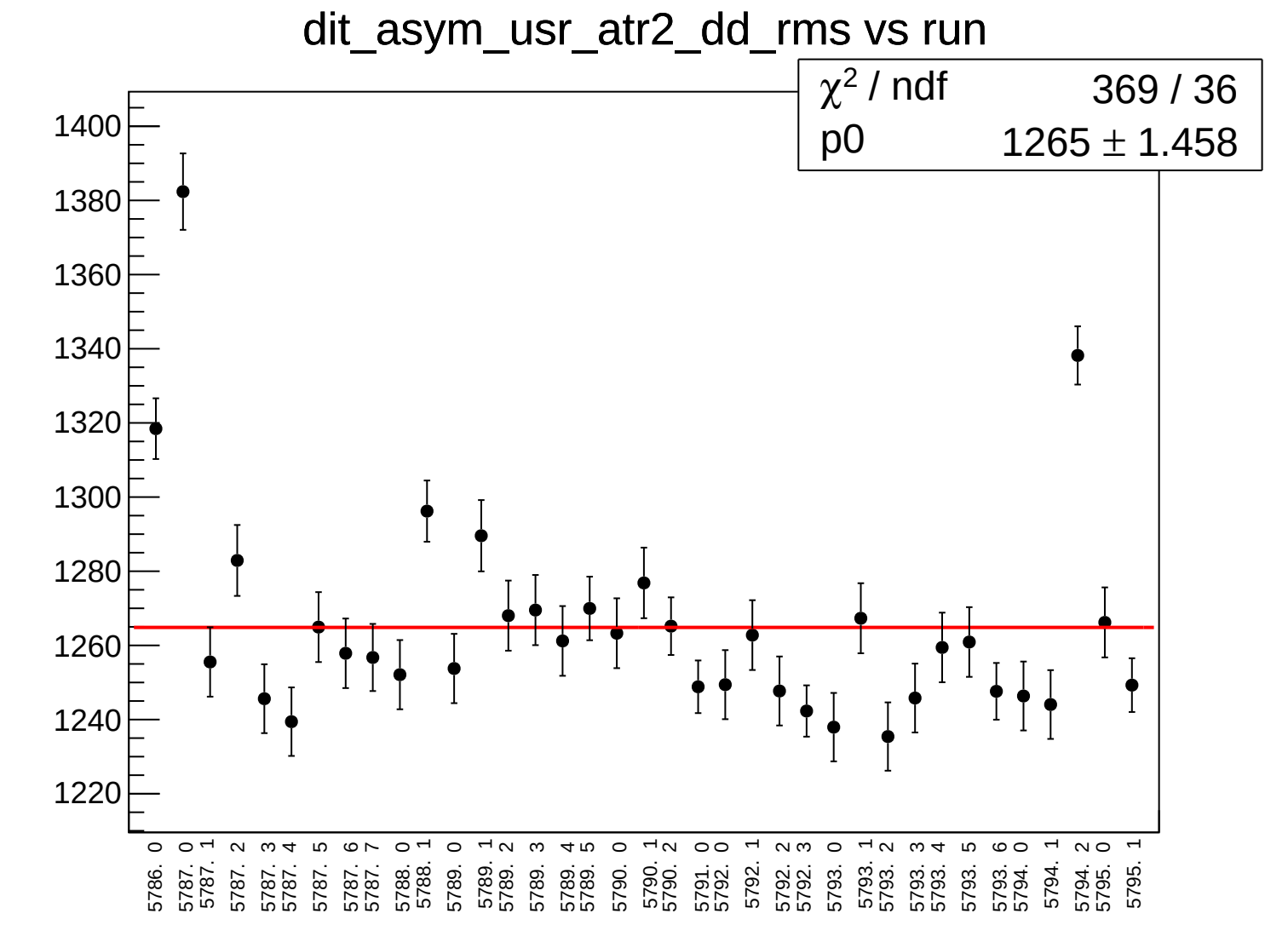
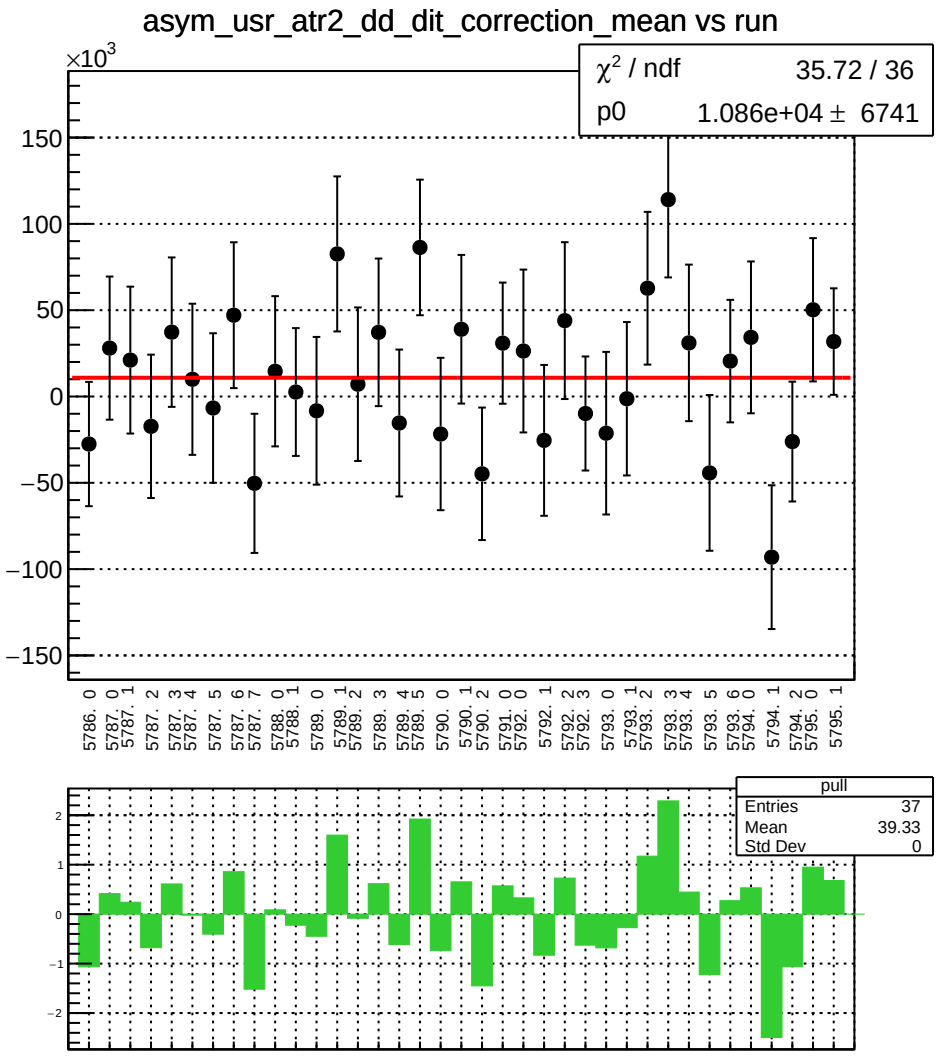
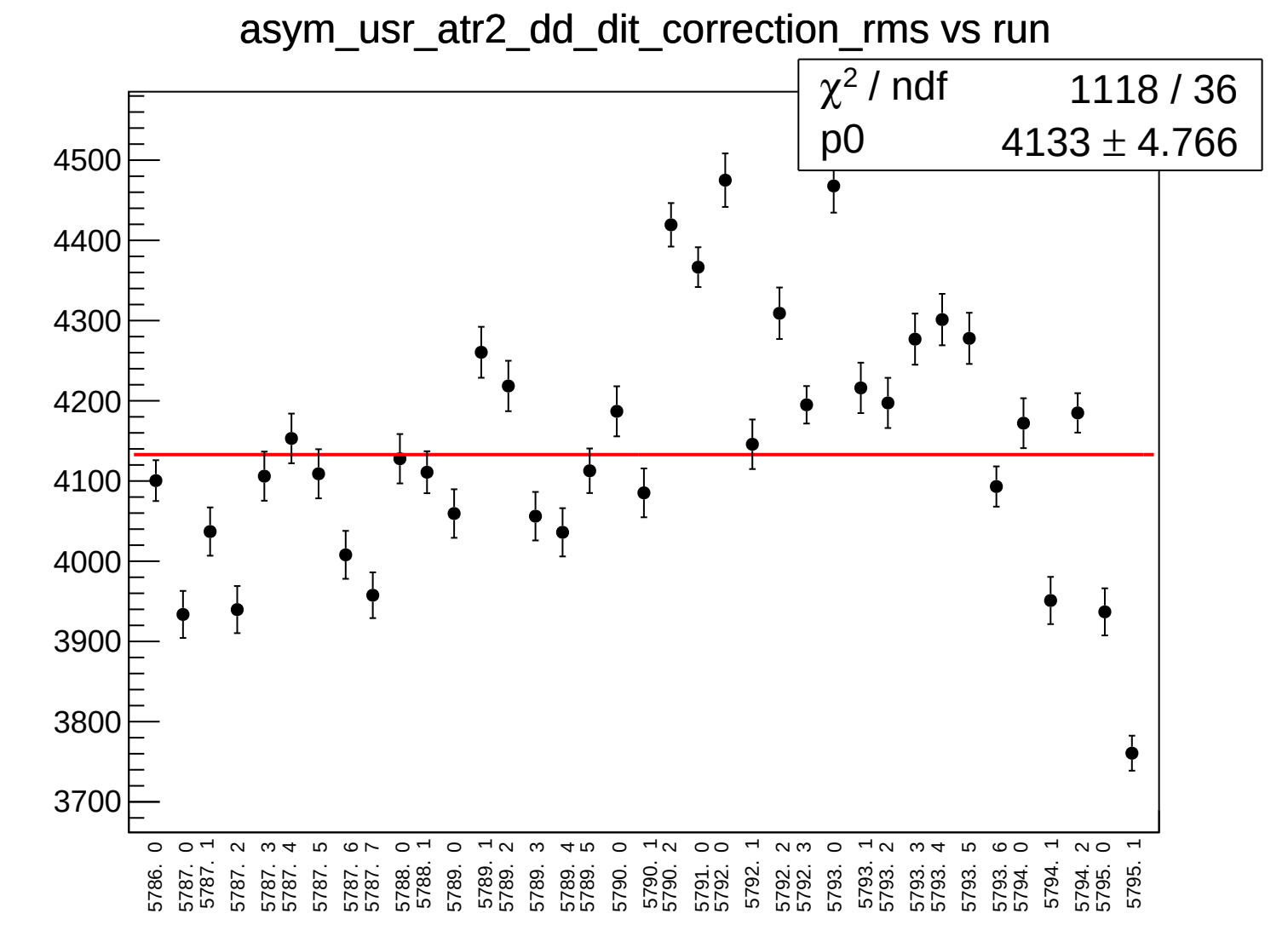
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 26.07 / 36
p0 −2590 ± 2062
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −258.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.007124
Std Dev 0.8394
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 369 / 36
p0 1265 ± 1.458
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_usr_atr2_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.72 / 36
p0 1.086e+04 ± 6741
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01409
Std Dev 0.9825
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_dit_correction_rms vs run
χ² / ndf 1118 / 36
p0 4133 ± 4.766
4500
4400
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 5
5793. 6
5794. 0
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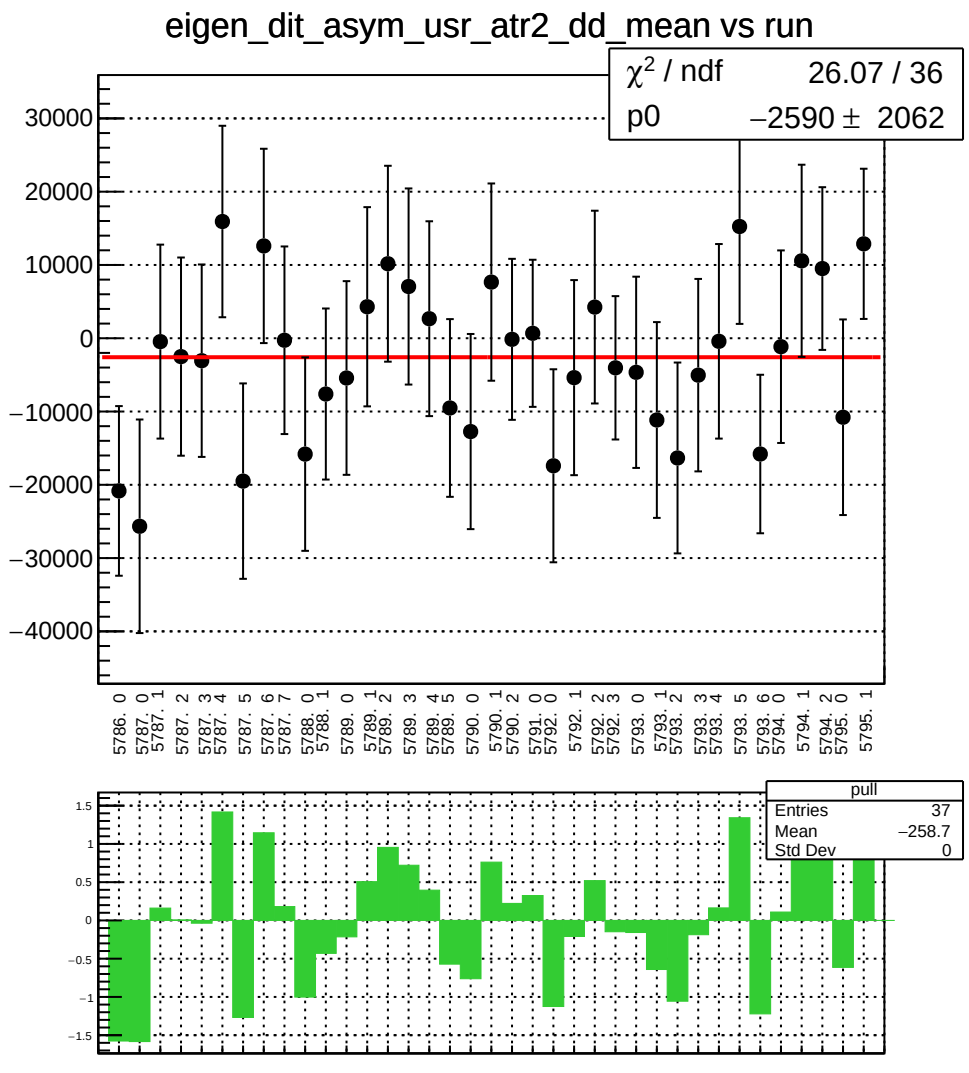
5795. 0
5795. 1


eigen_dit_asym_usr_atr2_dd_mean vs run
χ² / ndf 26.07 / 36
p0 −2590 ± 2062
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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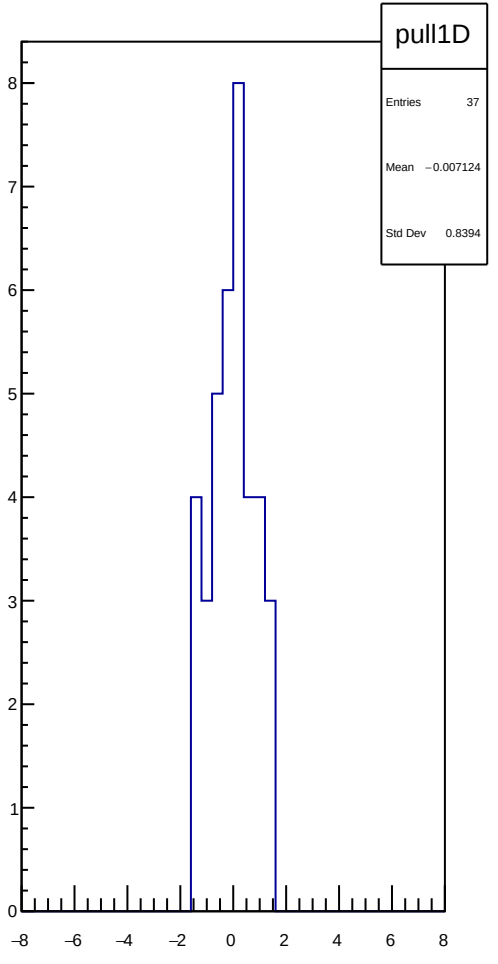
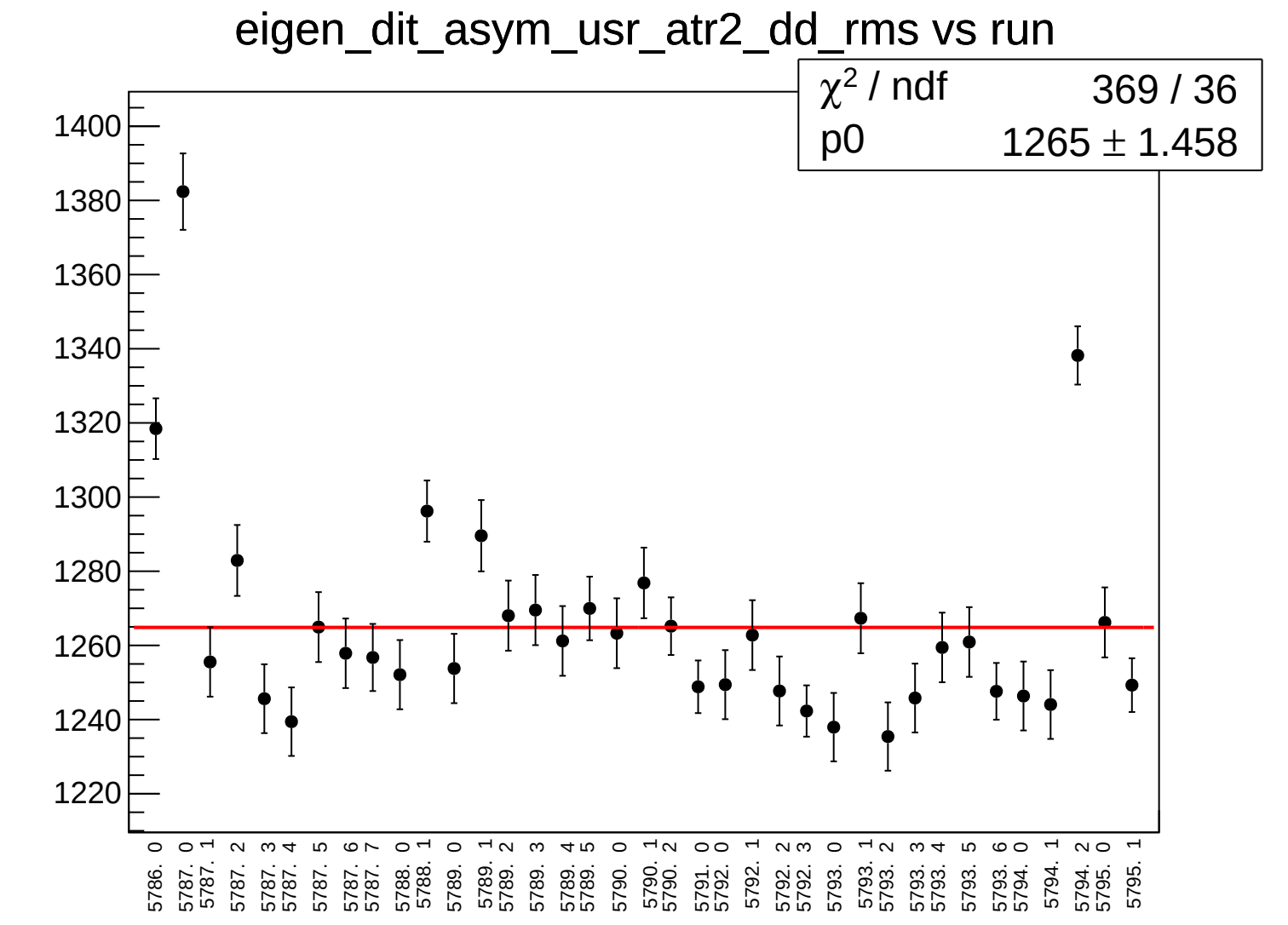
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −258.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.007124
Std Dev 0.8394
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_usr_atr2_dd_rms vs run
χ² / ndf 369 / 36
p0 1265 ± 1.458
1400
1380
1360
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 4
5793. 5
5793. 6
5794. 0
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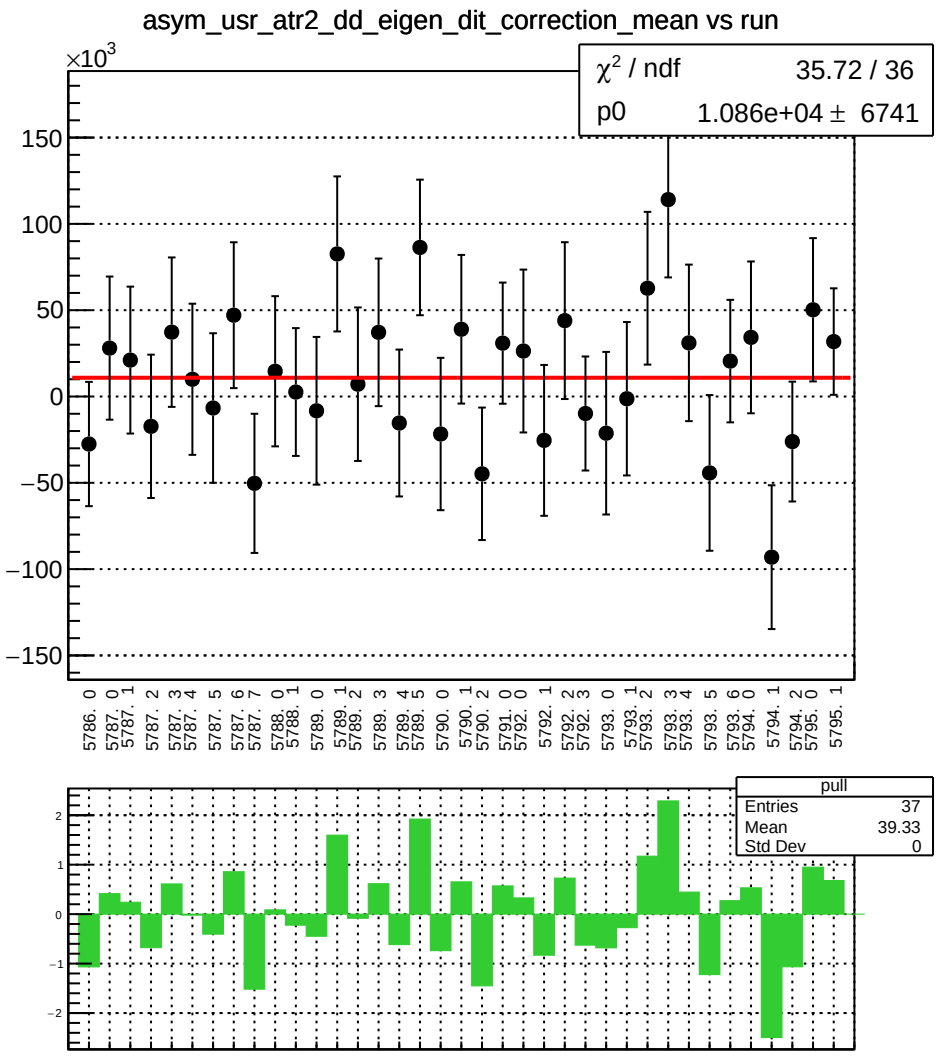
5794. 2
5795. 0
5795. 1


asym_usr_atr2_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.72 / 36
p0 1.086e+04 ± 6741
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01409
Std Dev 0.9825
9
8
7
6
5
4
3
2
1
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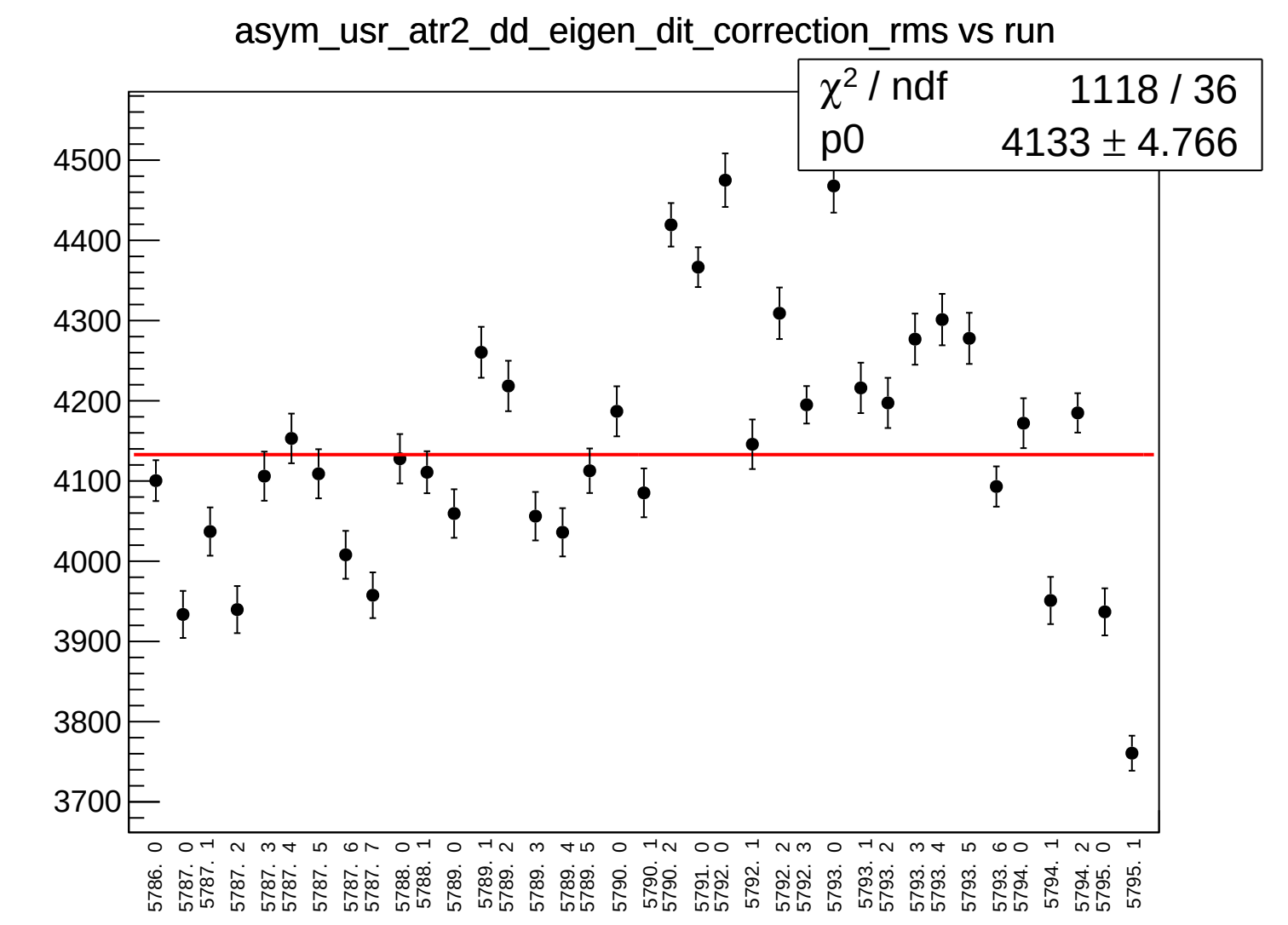
−6
−4
−2
0
2
4
6
8


asym_usr_atr2_dd_eigen_dit_correction_rms vs run
χ² / ndf 1118 / 36
p0 4133 ± 4.766
4500
4400
4300
4200
4100
4000
3900
3800
3700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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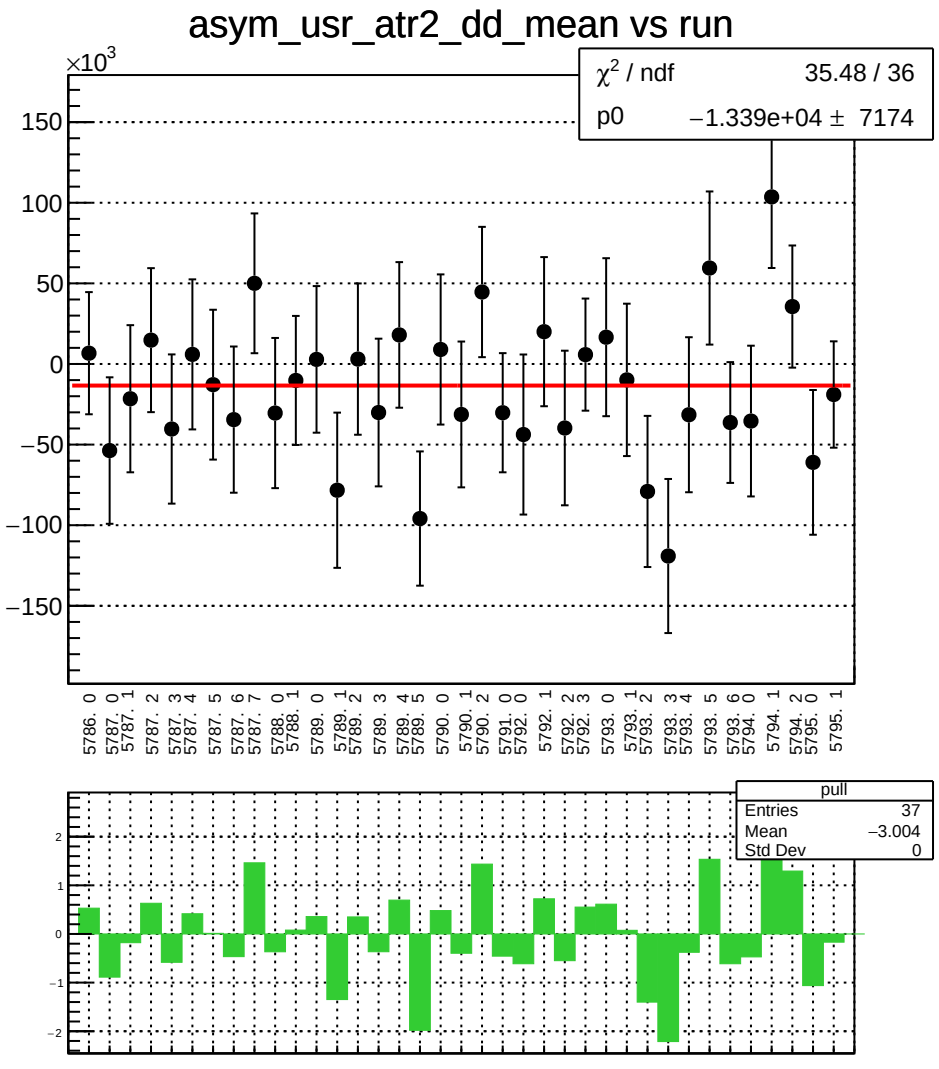
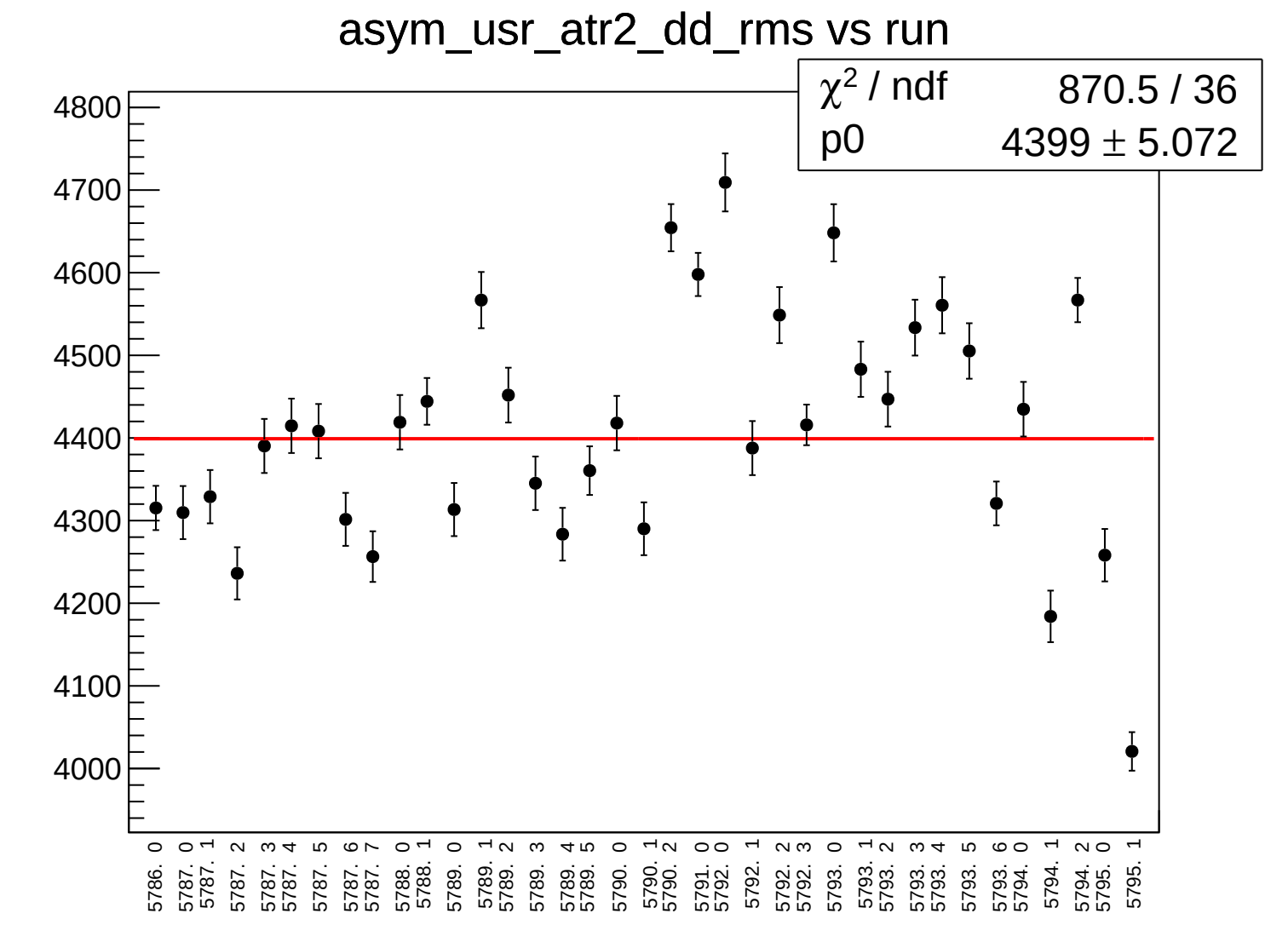
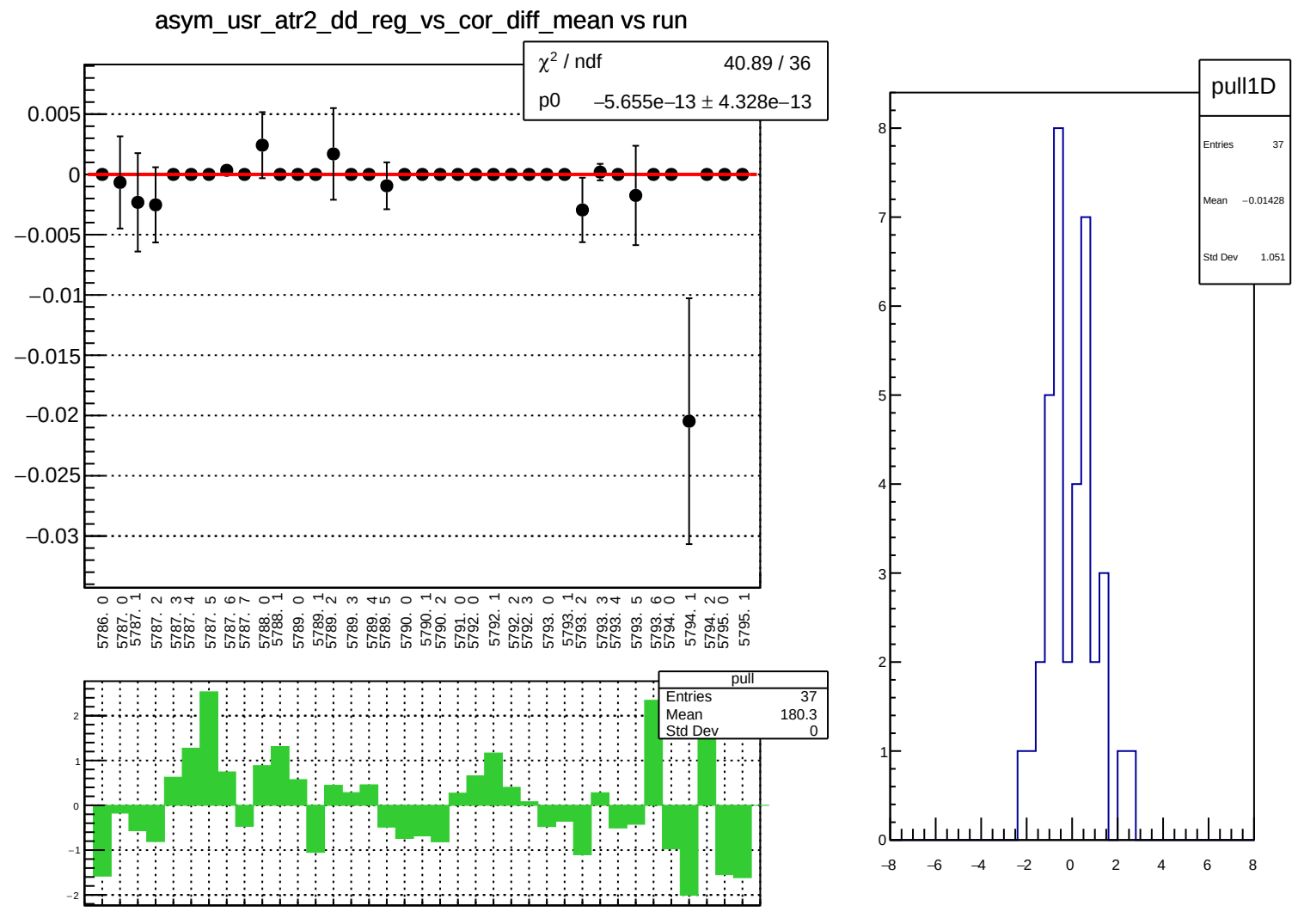
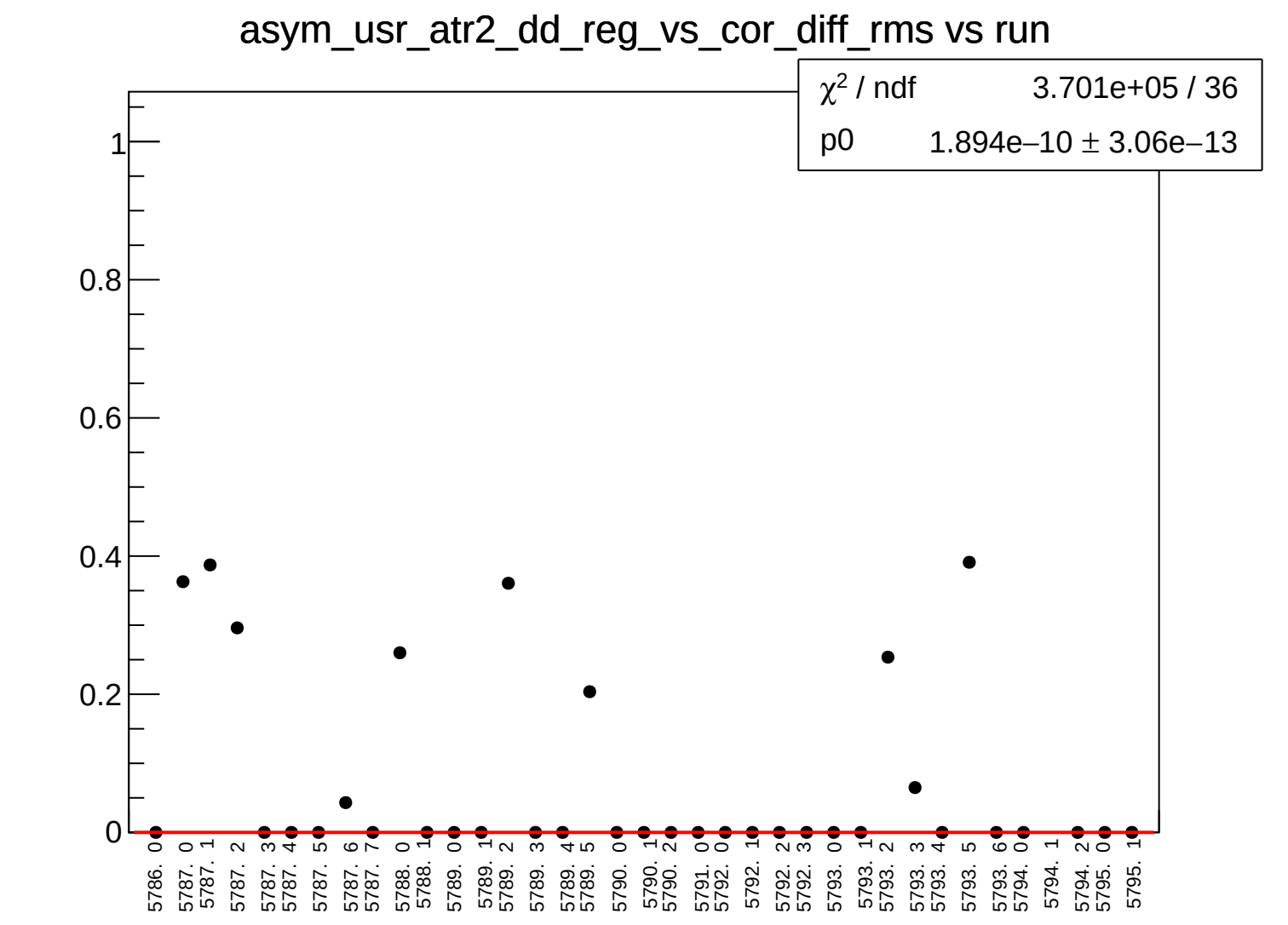
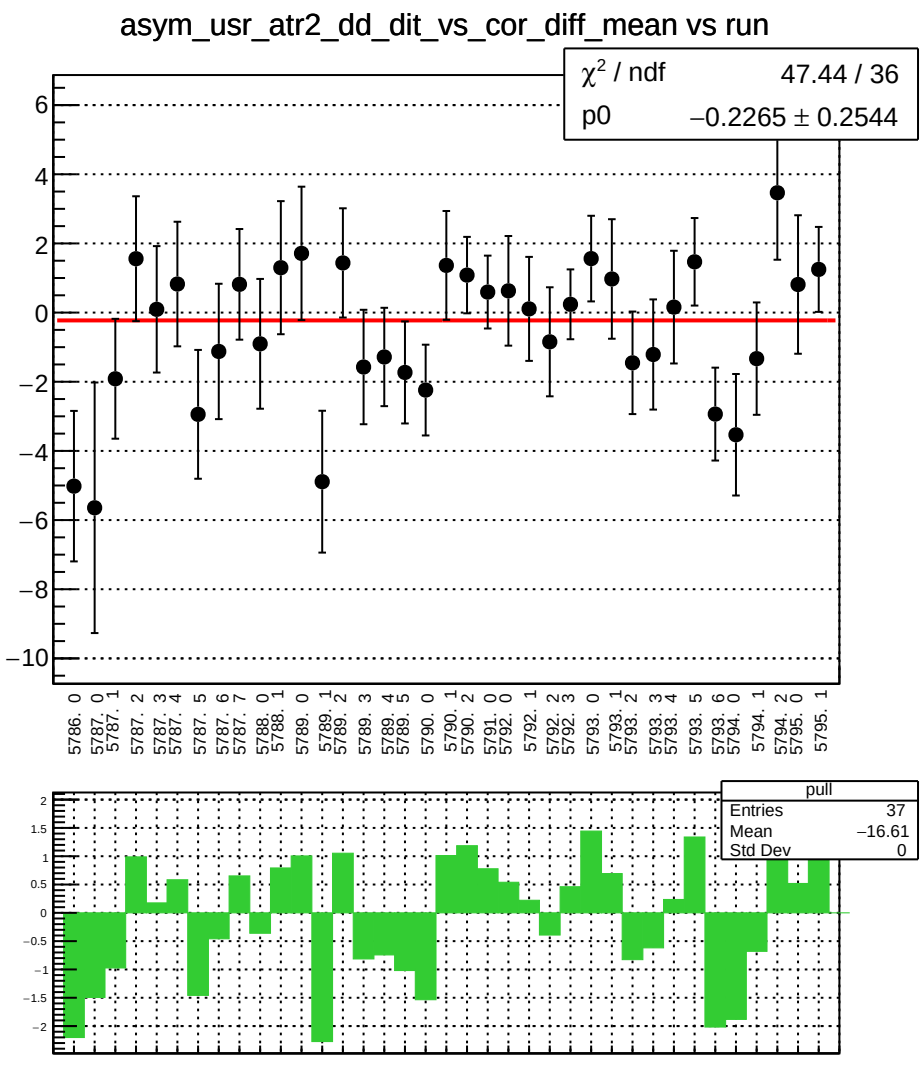
5795. 1

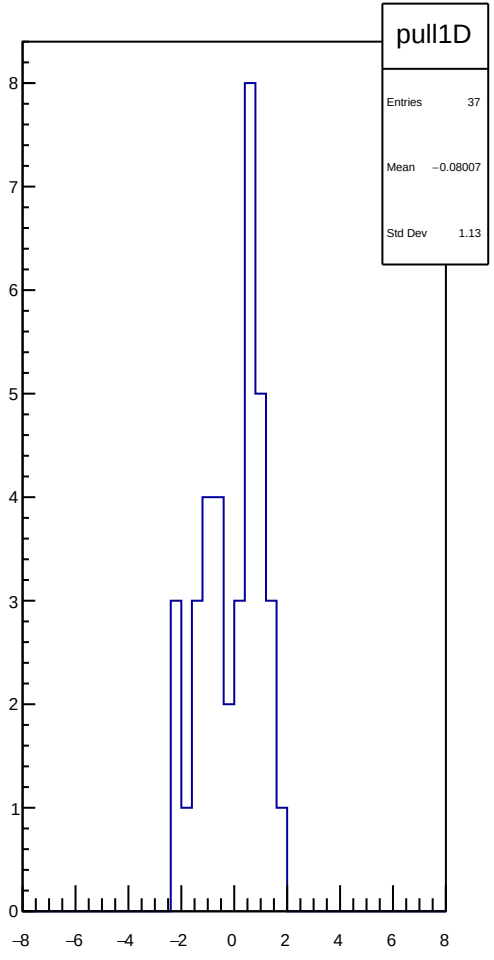

asym_usr_atr2_dd_mean vs run
×10^3
χ² / ndf 35.48 / 36
p0 −1.339e+04 ± 7174
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.004
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01616
Std Dev 0.9791
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

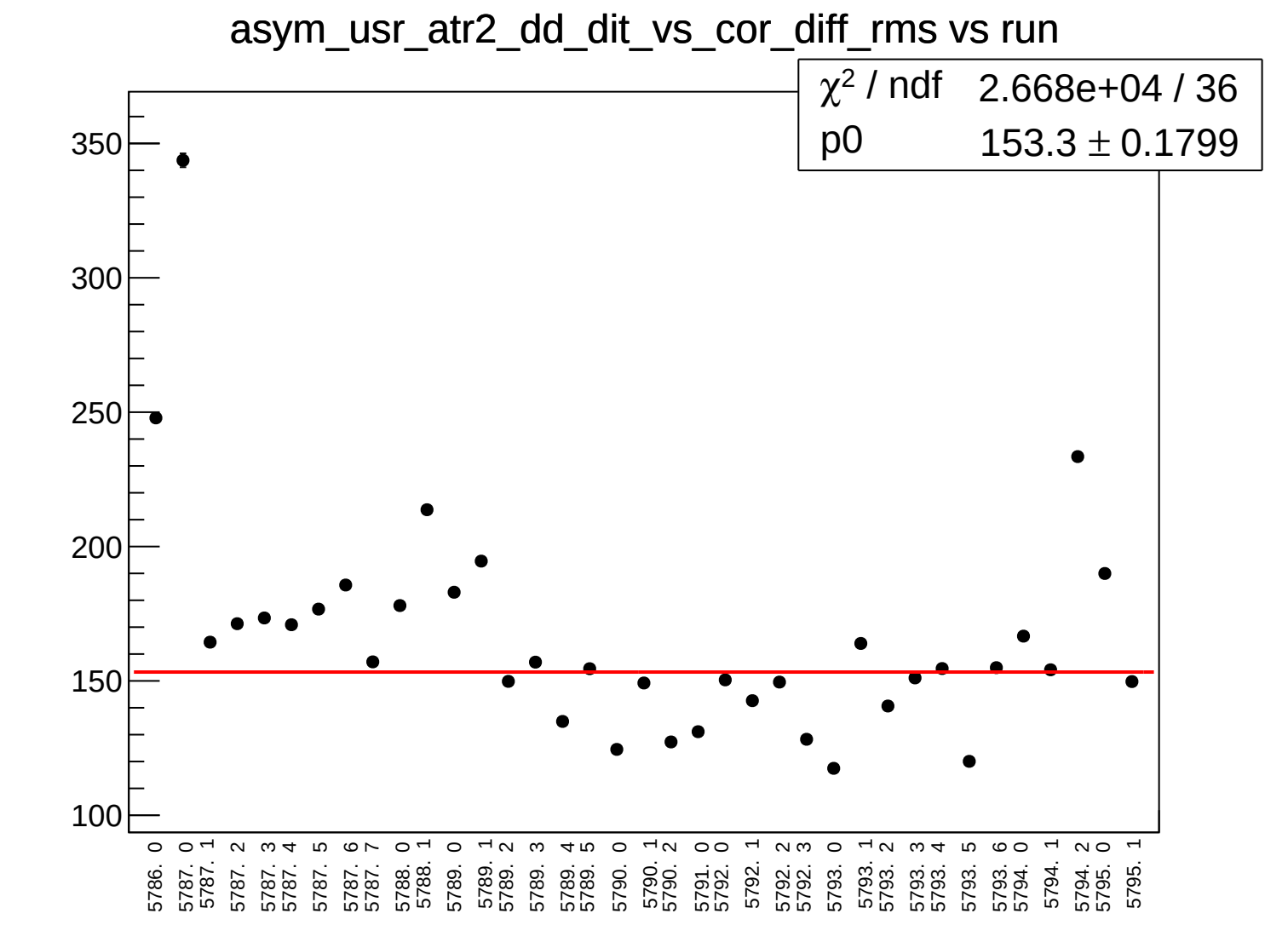

asym_usr_atr2_dd_rms vs run
χ² / ndf 870.5 / 36
p0 4399 ± 5.072
4800
4700
4600
4500
4400
4300
4200
4100
4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

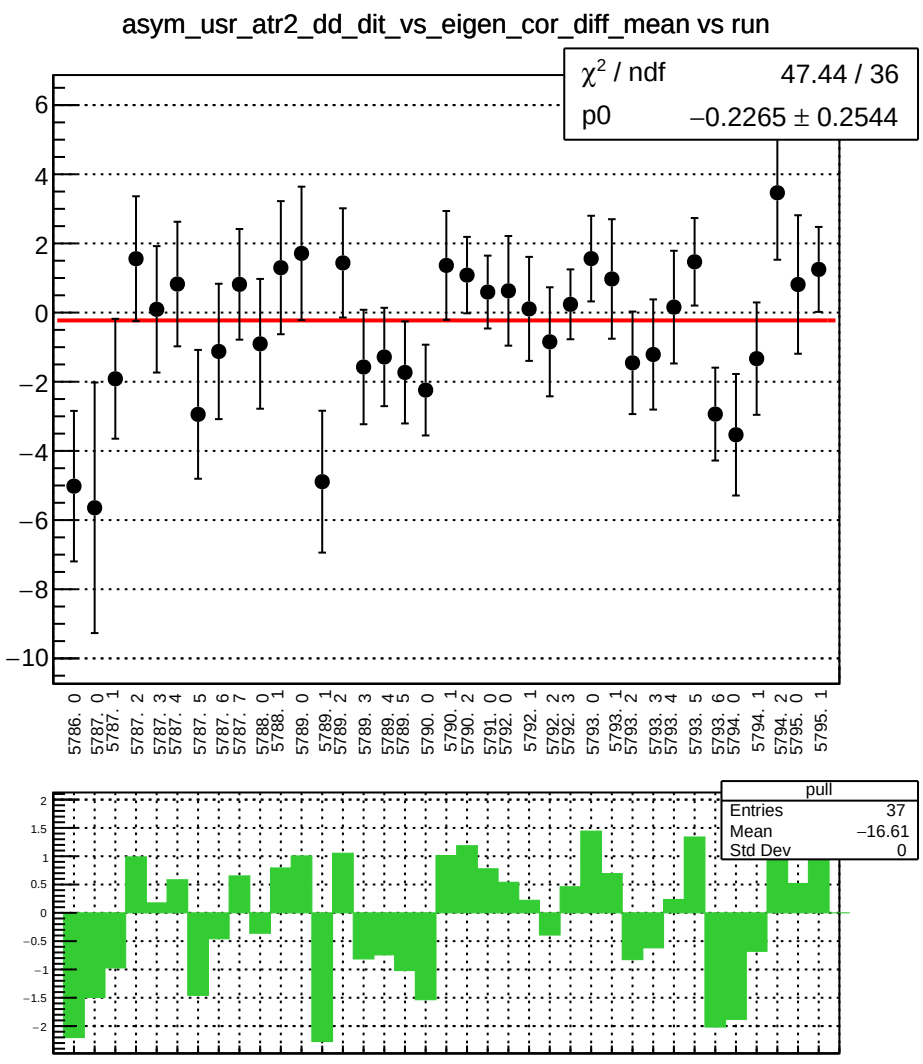

asym_usr_atr2_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 40.89 / 36
p0 −5.655e−13 ± 4.328e−13
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 180.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01428
Std Dev 1.051
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

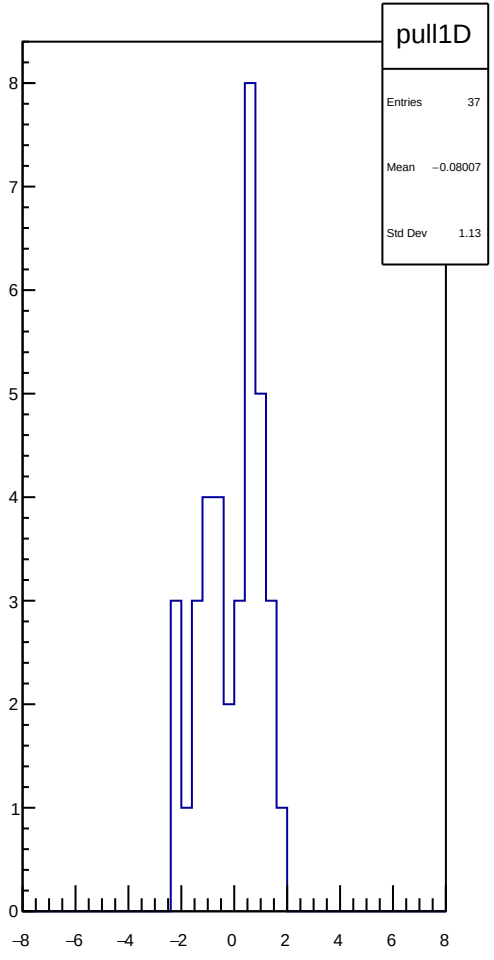

asym_usr_atr2_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.701e+05 / 36
p0 1.894e−10 ± 3.06e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

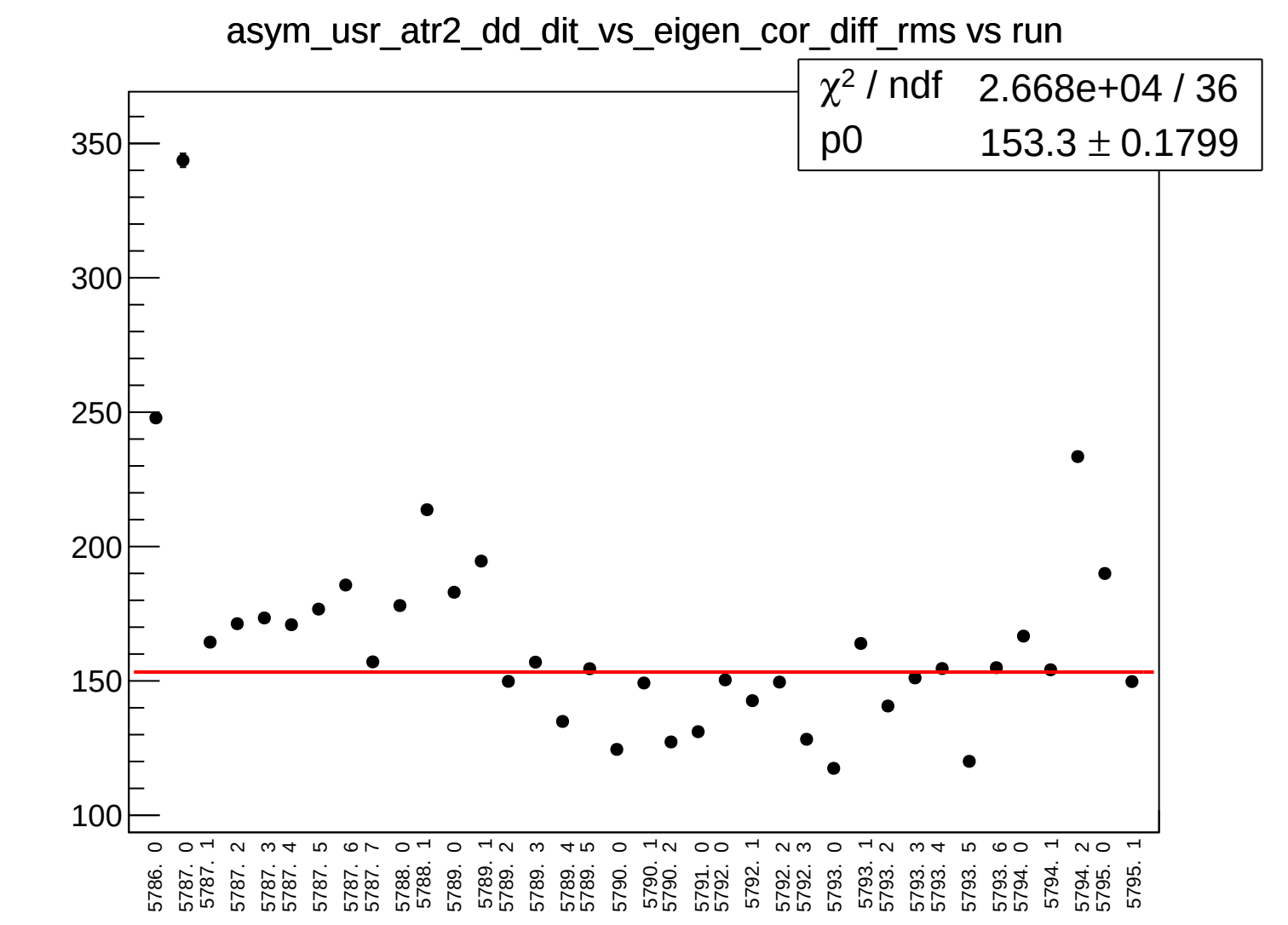

asym_usr_atr2_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.44 / 36
p0 −0.2265 ± 0.2544
pull
Entries 37
Mean −16.61
Std Dev 0

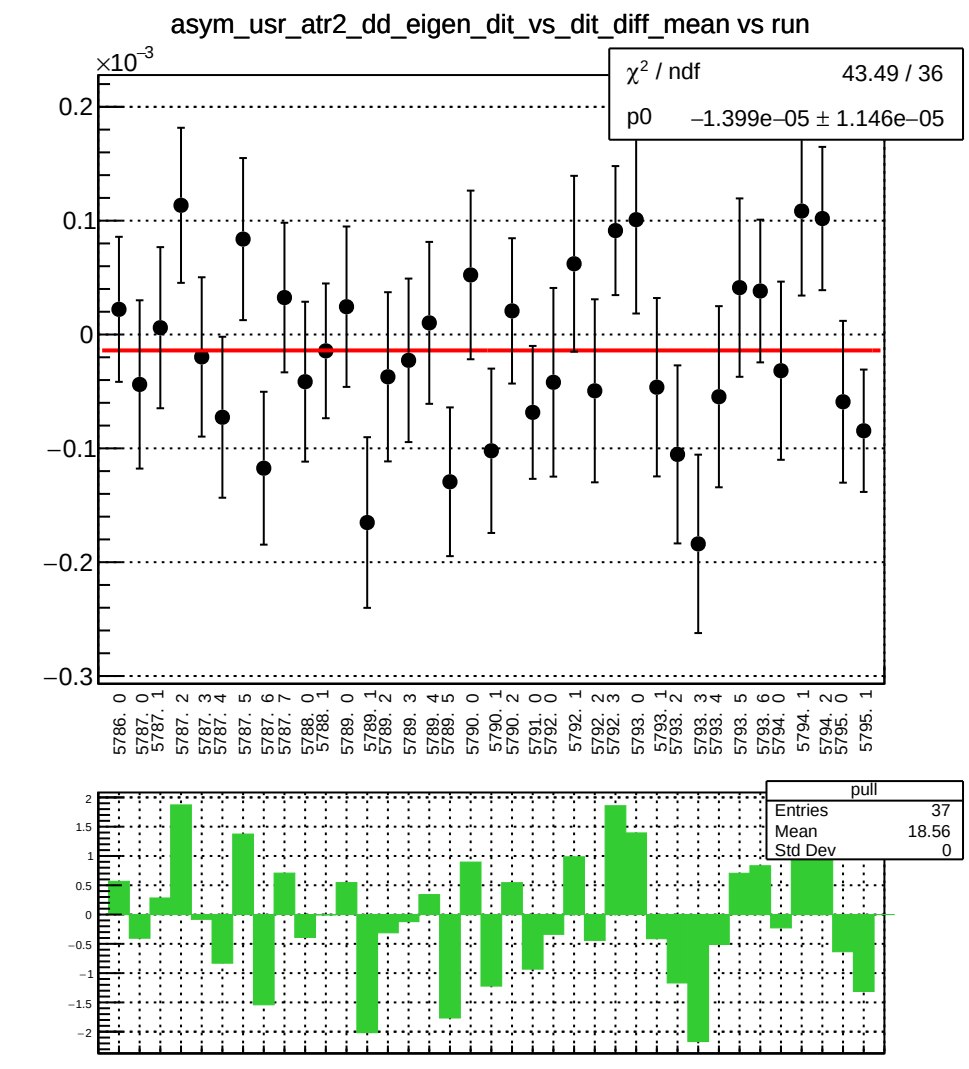

pull1D
Entries 37
Mean −0.08007
Std Dev 1.13

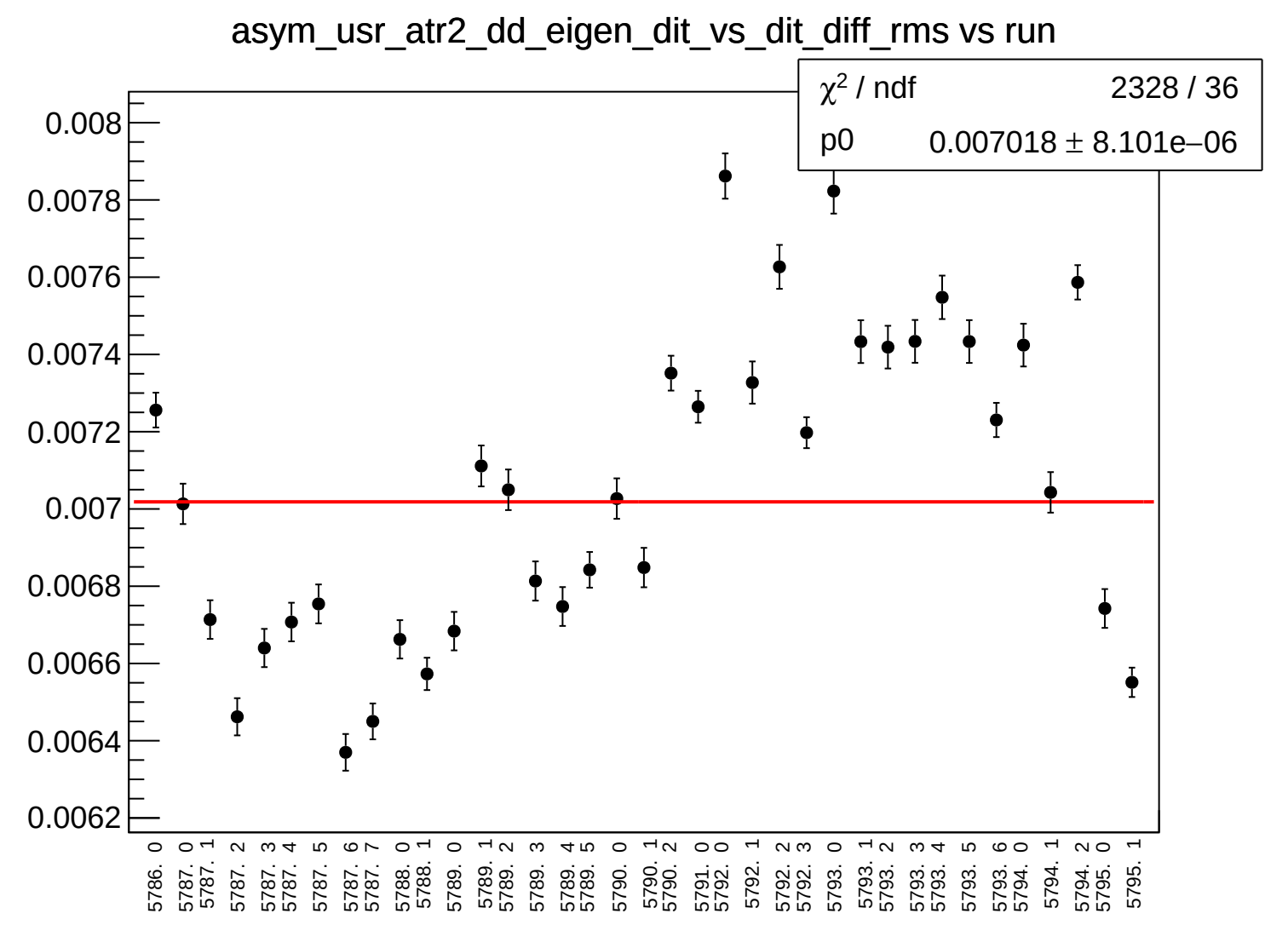

asym_usr_atr2_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.668e+04 / 36
p0 153.3 ± 0.1799
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

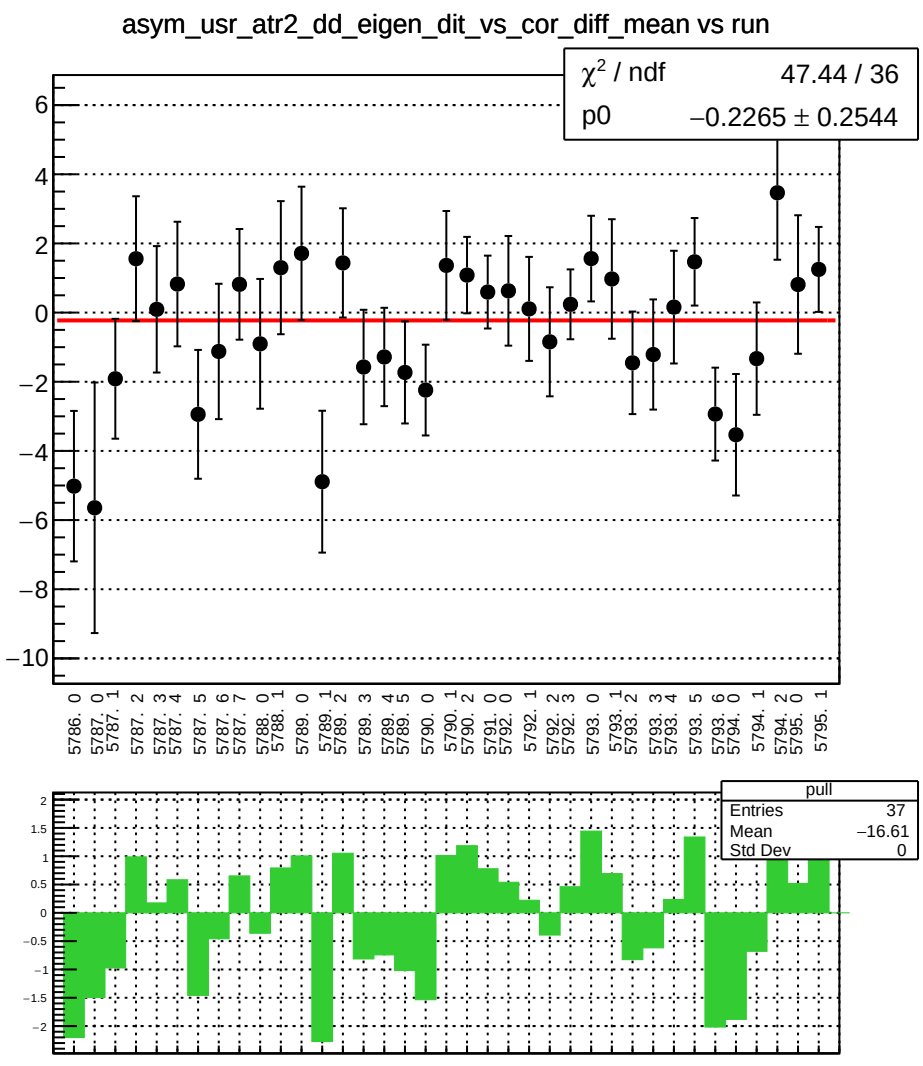

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.44 / 36
p0 −0.2265 ± 0.2544
pull
Entries 37
Mean −16.61
Std Dev 0

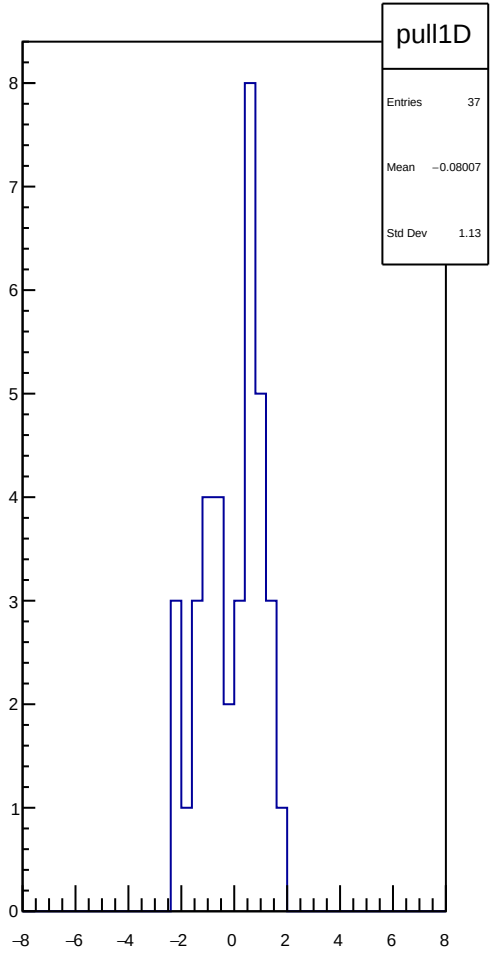

pull1D
Entries 37
Mean −0.08007
Std Dev 1.13

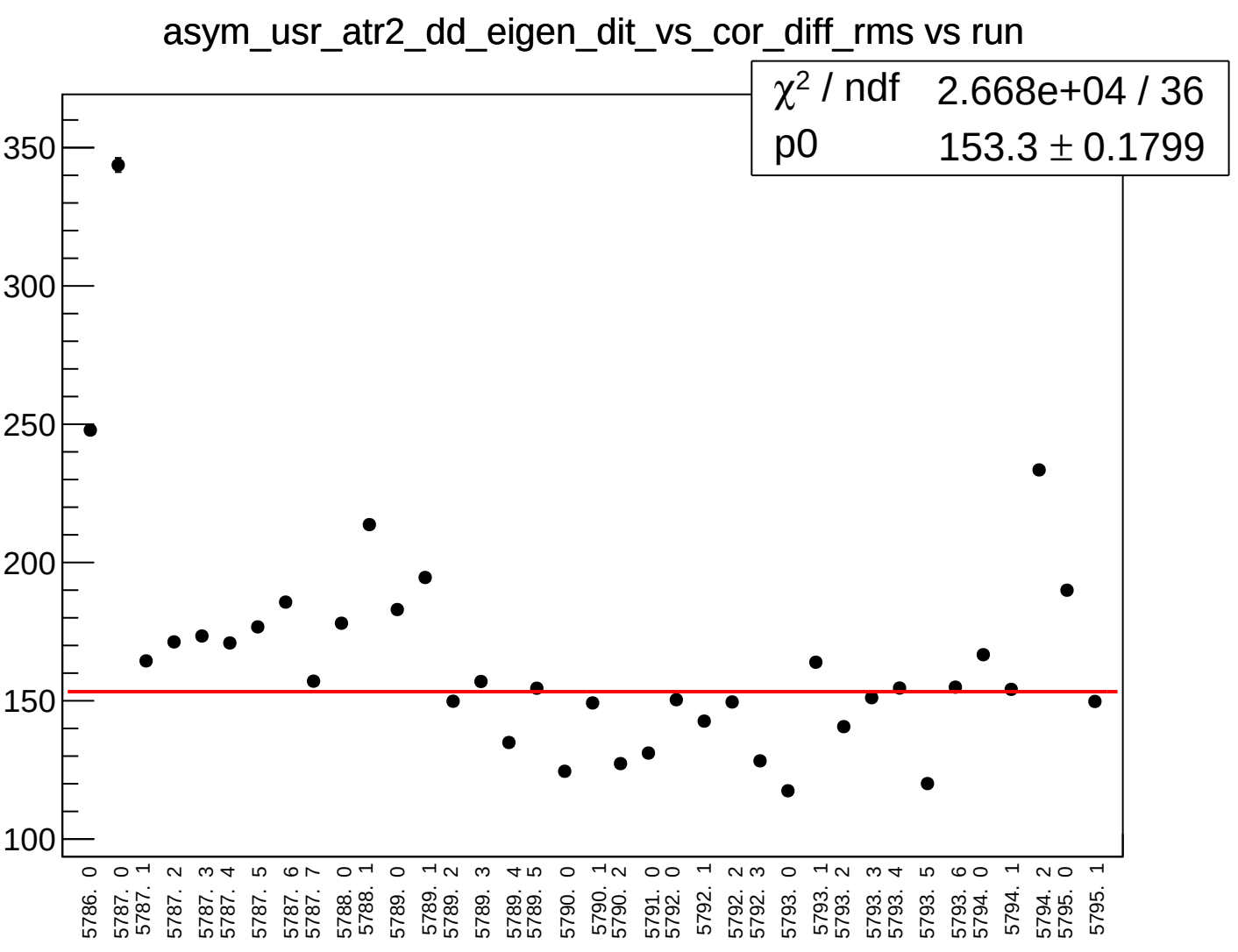

asym_usr_atr2_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.668e+04 / 36
p0 153.3 ± 0.1799
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

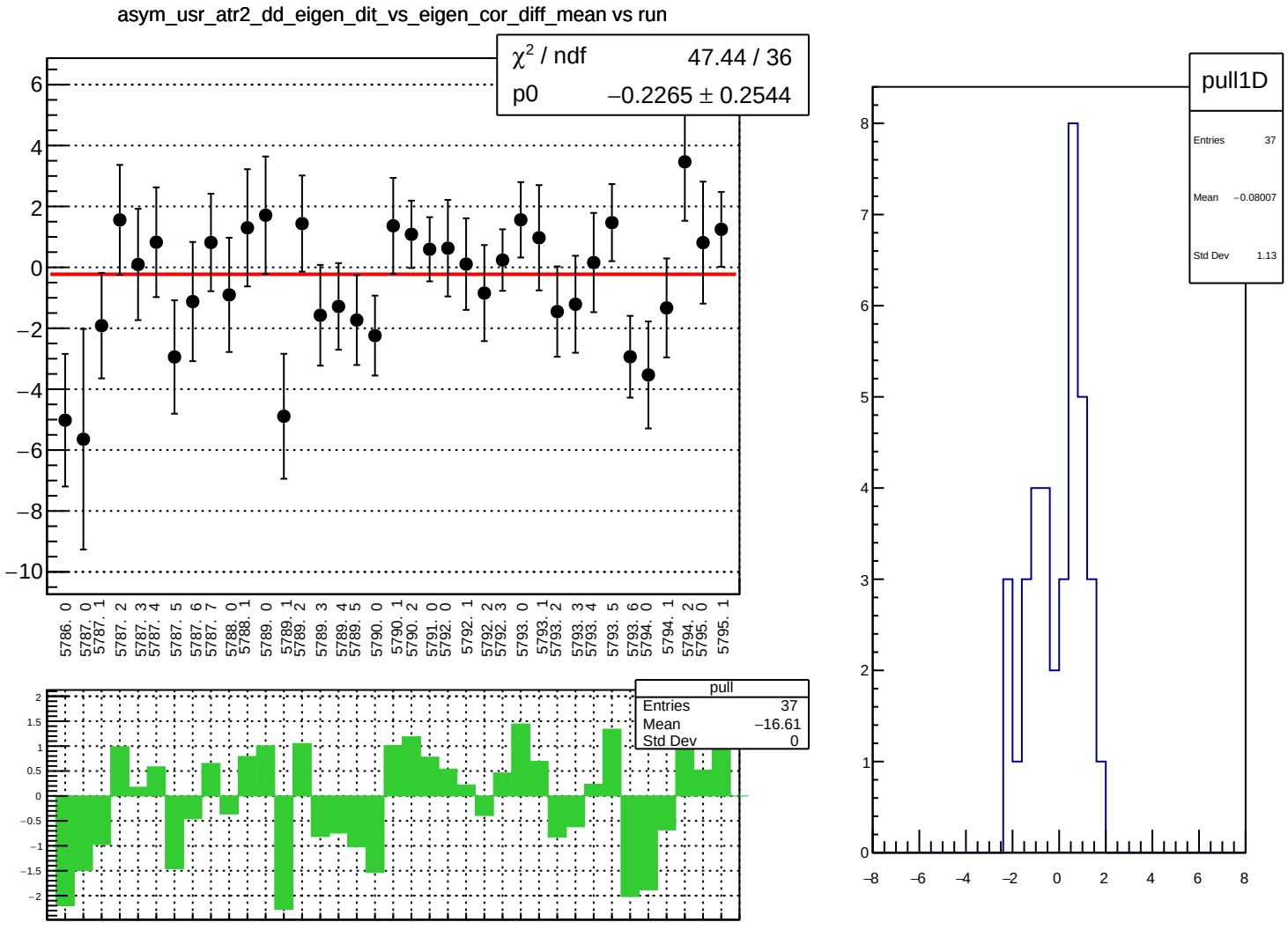

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.49 / 36
p0 −1.399e−05 ± 1.146e−05
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.56
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01191
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

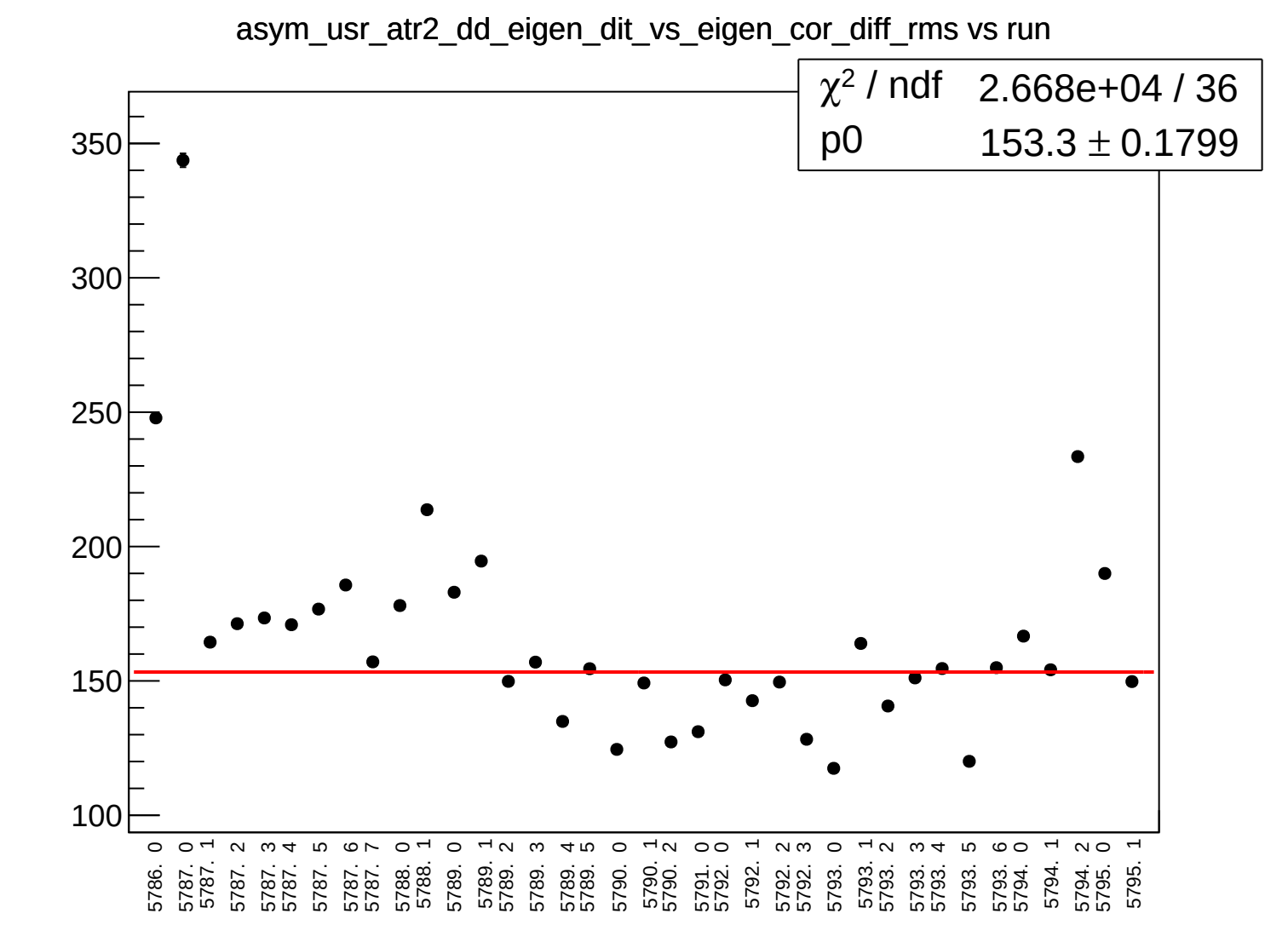

asym_usr_atr2_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2328 / 36
p0 0.007018 ± 8.101e−06
0.008
0.0078
0.0076
0.0074
0.0072
0.007
0.0068
0.0066
0.0064
0.0062
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

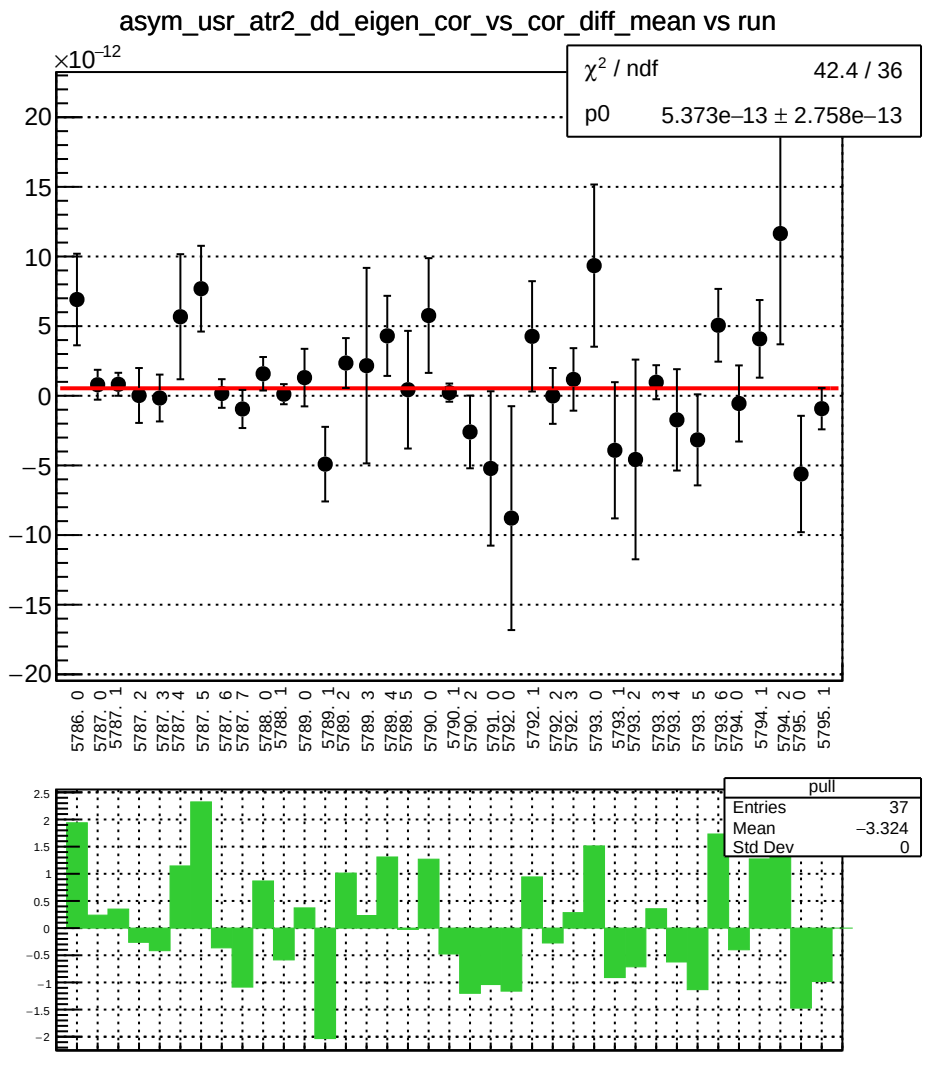

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.44 / 36
p0 −0.2265 ± 0.2544
pull
Entries 37
Mean −16.61
Std Dev 0

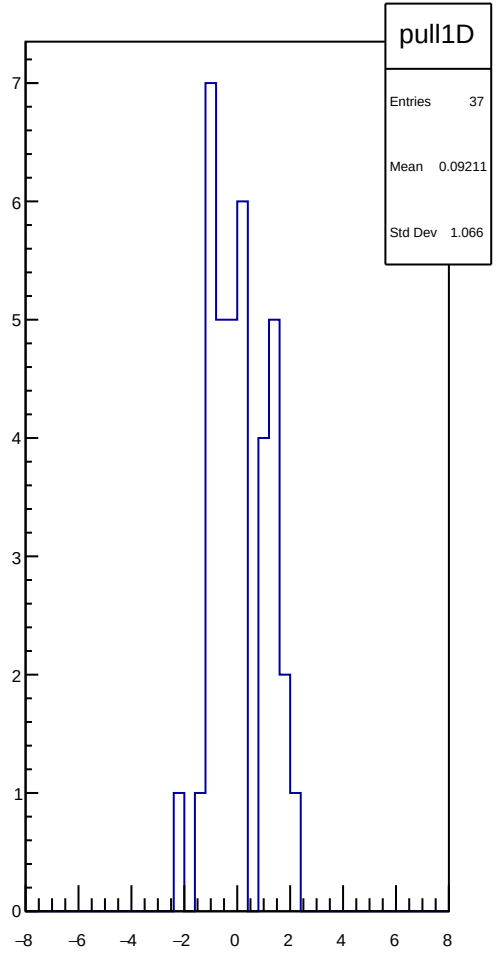

pull1D
Entries 37
Mean −0.08007
Std Dev 1.13

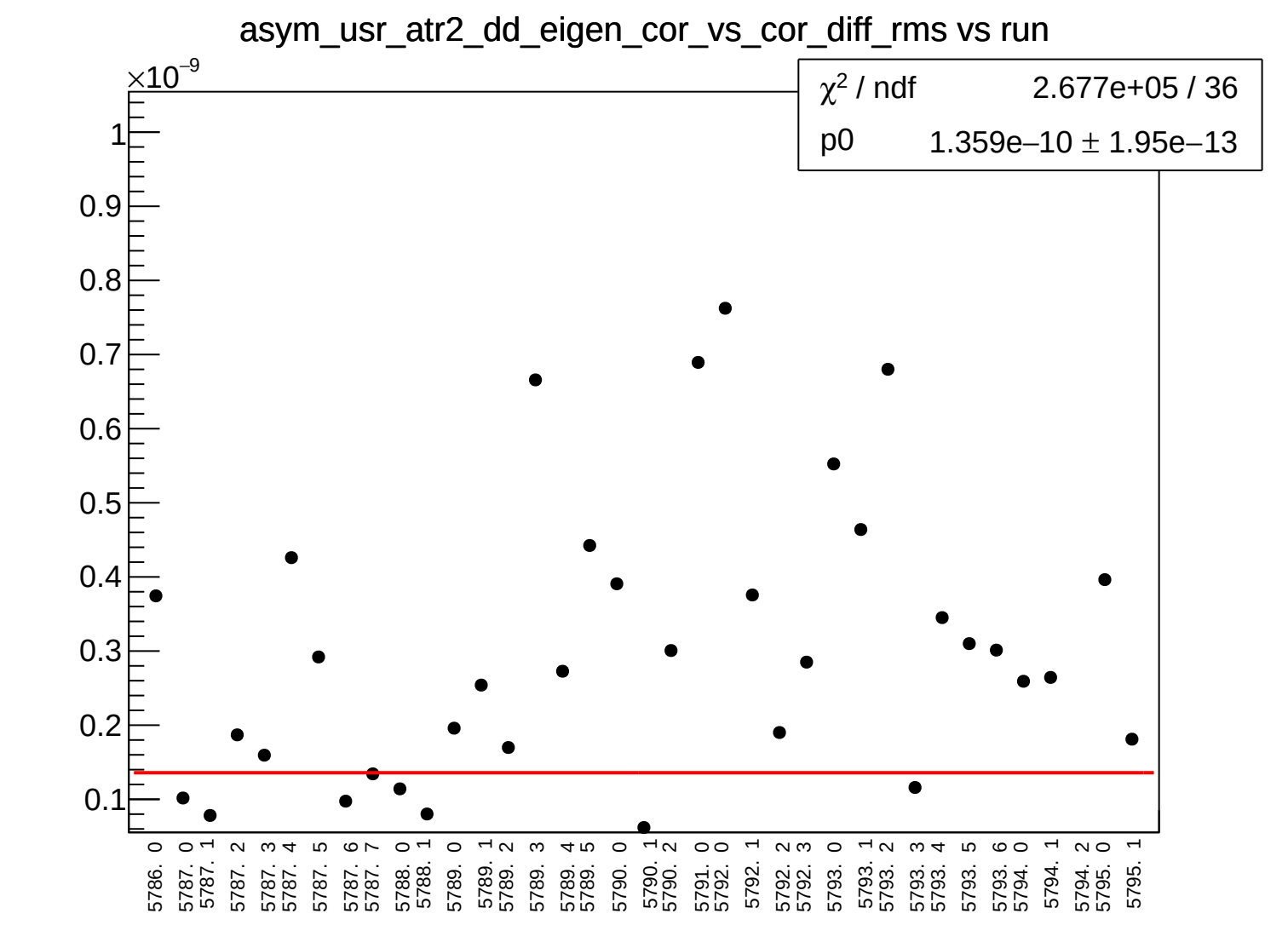

asym_usr_atr2_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.668e+04 / 36
p0 153.3 ± 0.1799
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

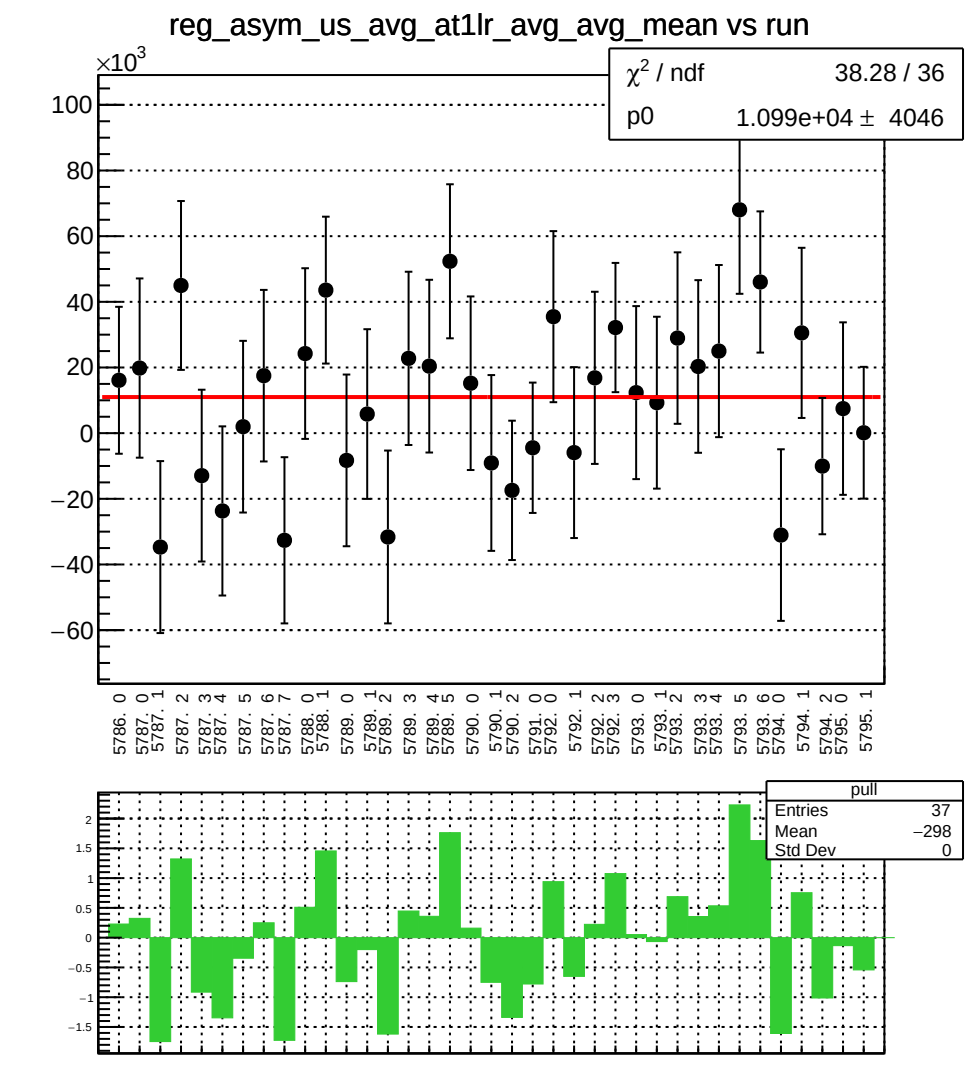

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.44 / 36
p0 −0.2265 ± 0.2544
pull
Entries 37
Mean −16.61
Std Dev 0
pull1D
Entries 37
Mean −0.08007
Std Dev 1.13

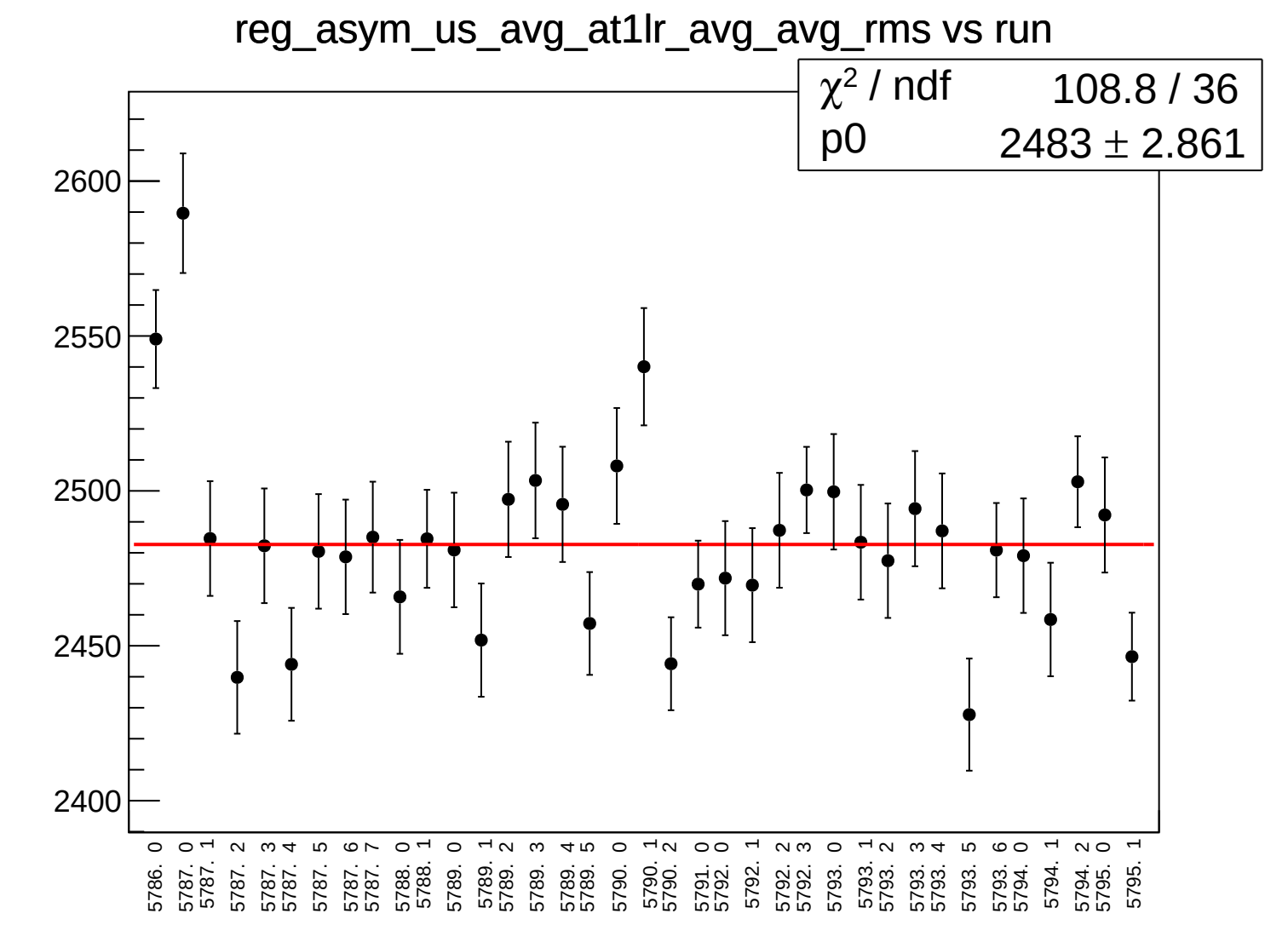

asym_usr_atr2_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.668e+04 / 36
p0 153.3 ± 0.1799
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

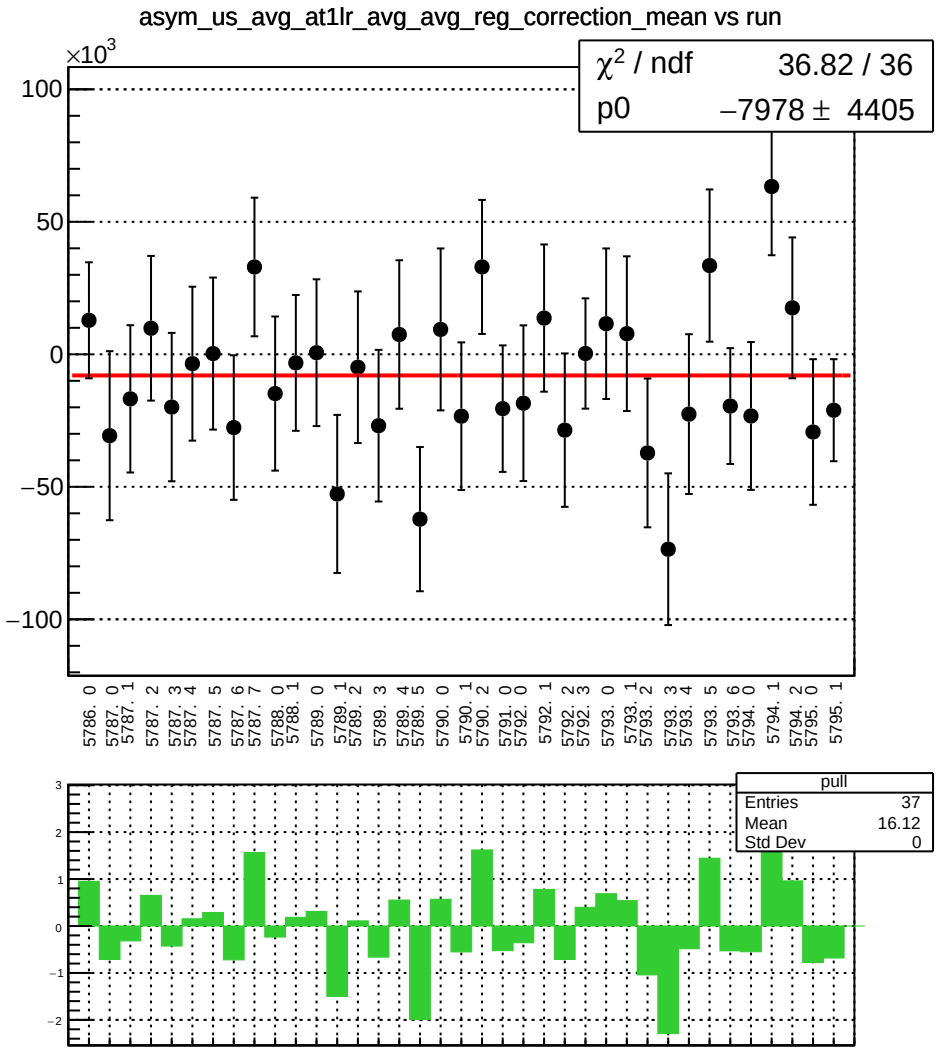

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 42.4 / 36
p0 5.373e−13 ± 2.758e−13
pull
Entries 37
Mean −3.324
Std Dev 0

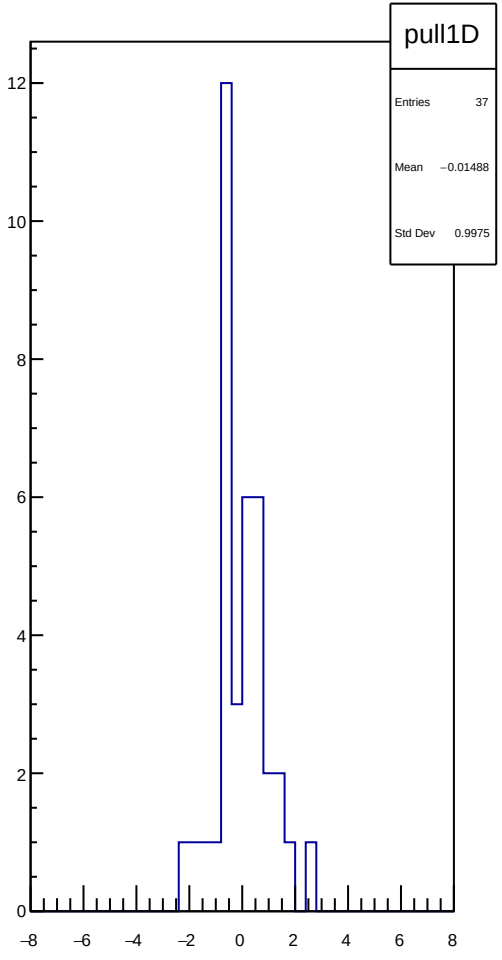

pull1D
Entries 37
Mean 0.09211
Std Dev 1.066

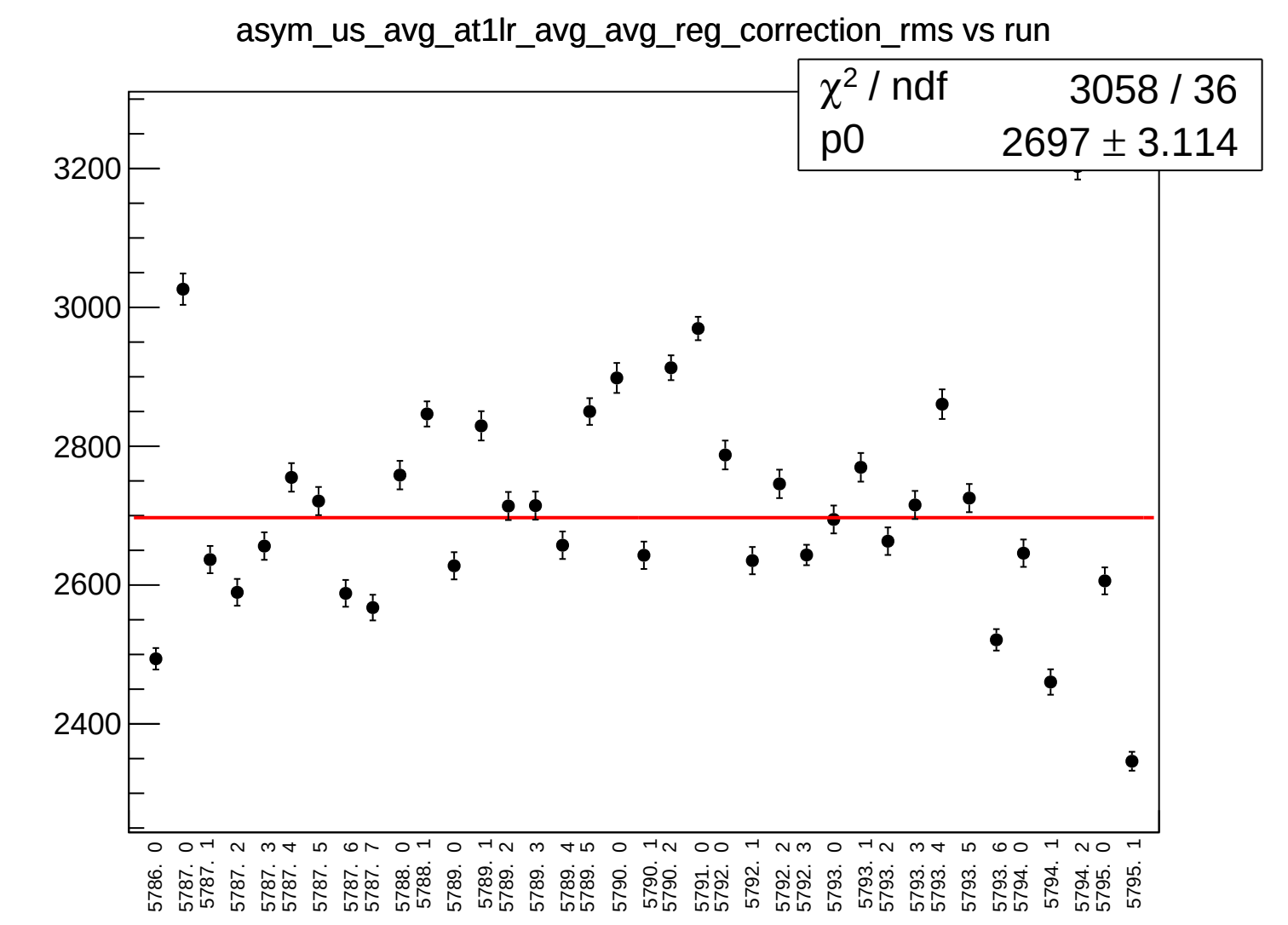

asym_usr_atr2_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.677e+05 / 36
p0 1.359e−10 ± 1.95e−13
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 38.28 / 36
p0 1.099e+04 ± 4046
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −298
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005803
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 108.8 / 36
p0 2483 ± 2.861
2600
2550
2500
2450
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_at1lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 36.82 / 36
p0 −7978 ± 4405
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.12
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01488
Std Dev 0.9975
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_reg_correction_rms vs run
χ² / ndf 3058 / 36
p0 2697 ± 3.114
3200
3000
2800
2600
2400
5786. 0
5787. 0
5787. 1
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5787. 5
5787. 6
5787. 7
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5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
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5790. 0
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5790. 2
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5792. 0
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5792. 2
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5793. 0
5793. 1
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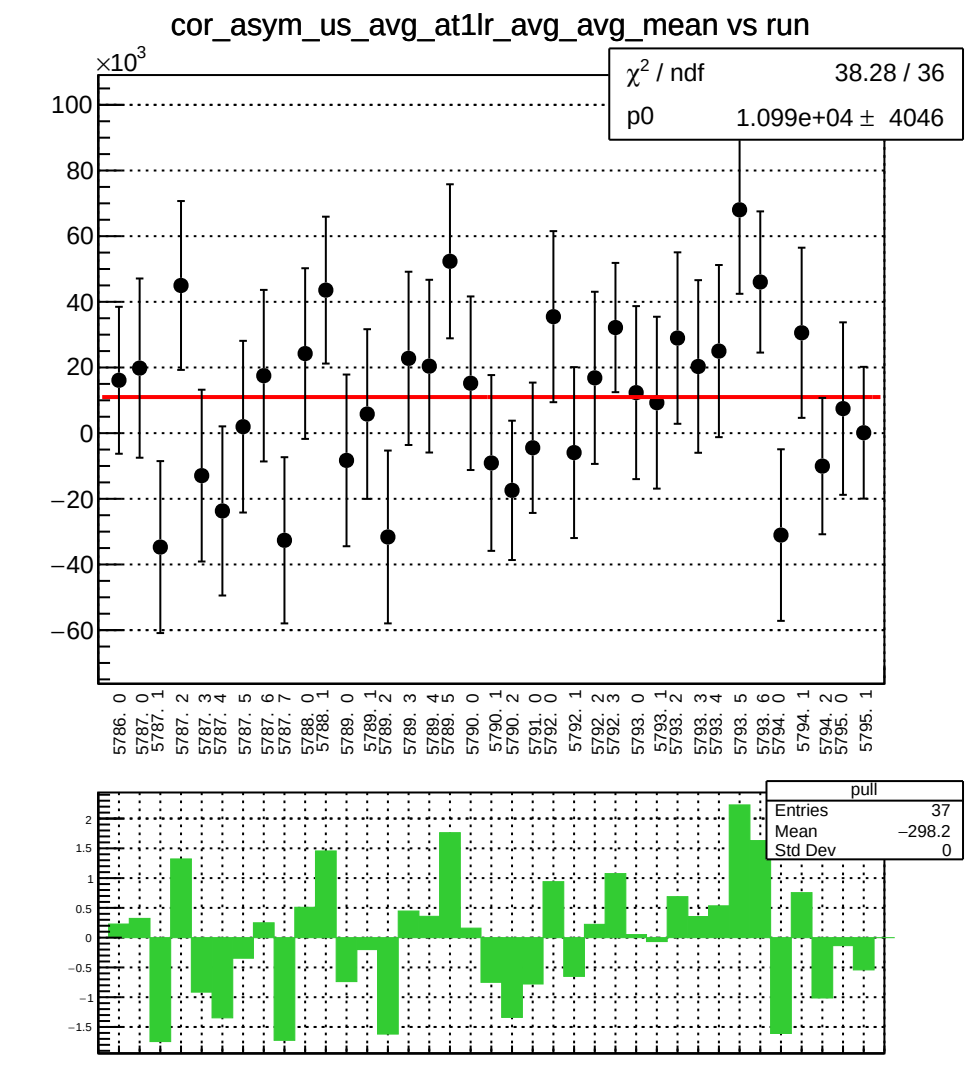
cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 38.28 / 36
p0 1.099e+04 ± 4046
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5792. 0
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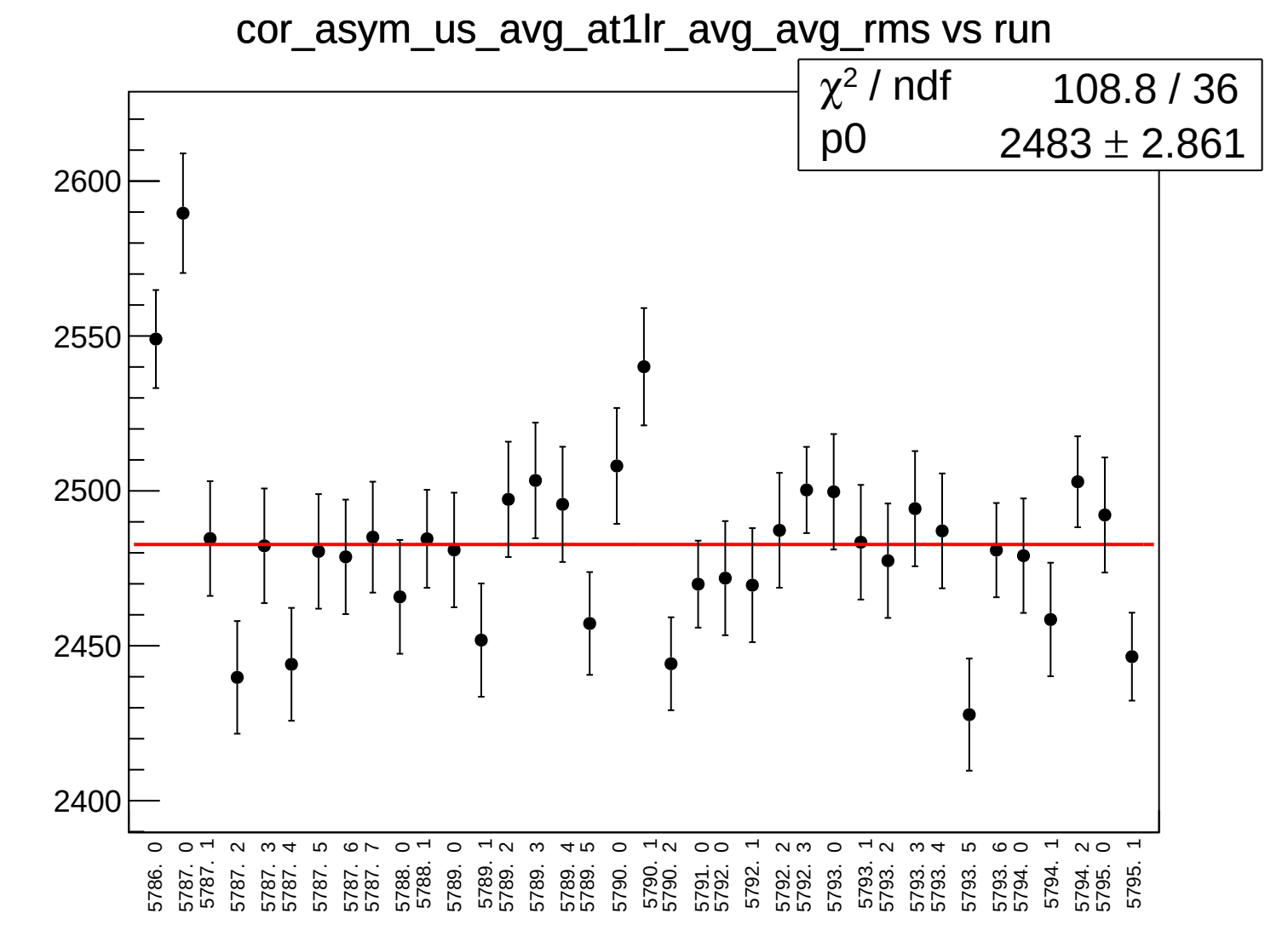
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −298.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005802
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 108.8 / 36
p0 2483 ± 2.861
2600
2550
2500
2450
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5792. 0
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5792. 2
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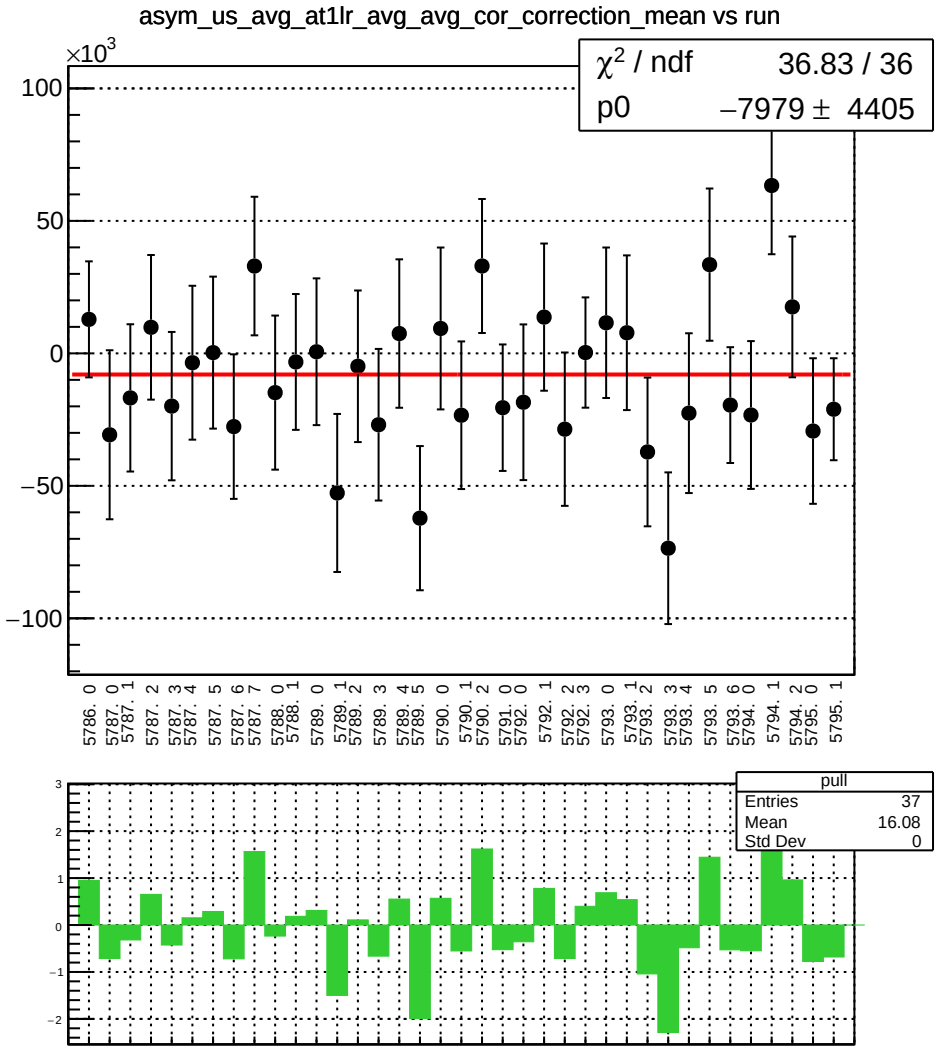
5795. 1


asym_us_avg_at1lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 36.83 / 36
p0 −7979 ± 4405
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
5789. 4
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5790. 0
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5792. 2
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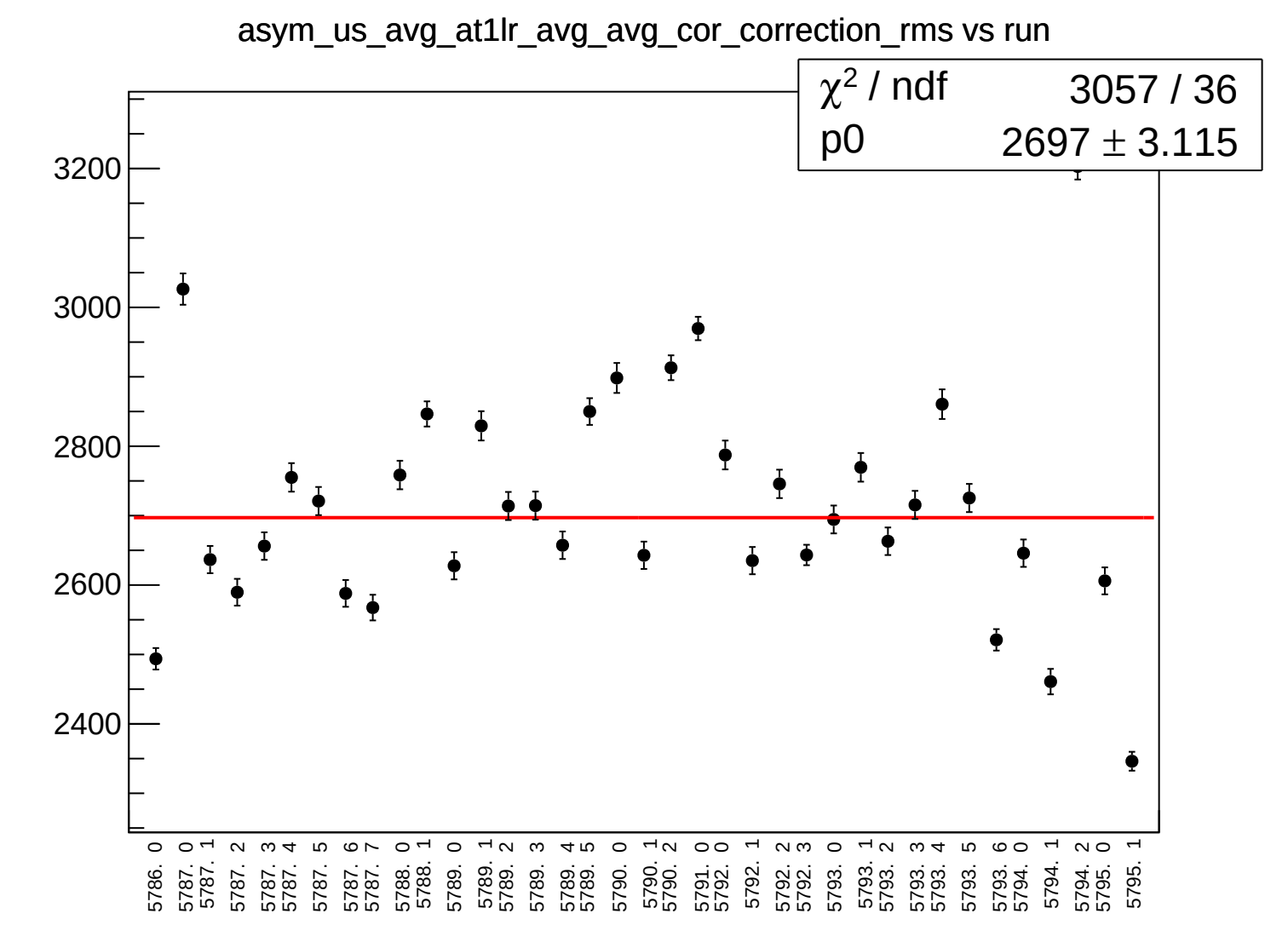
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.08
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01486
Std Dev 0.9975
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_cor_correction_rms vs run
χ² / ndf 3057 / 36
p0 2697 ± 3.115
3200
3000
2800
2600
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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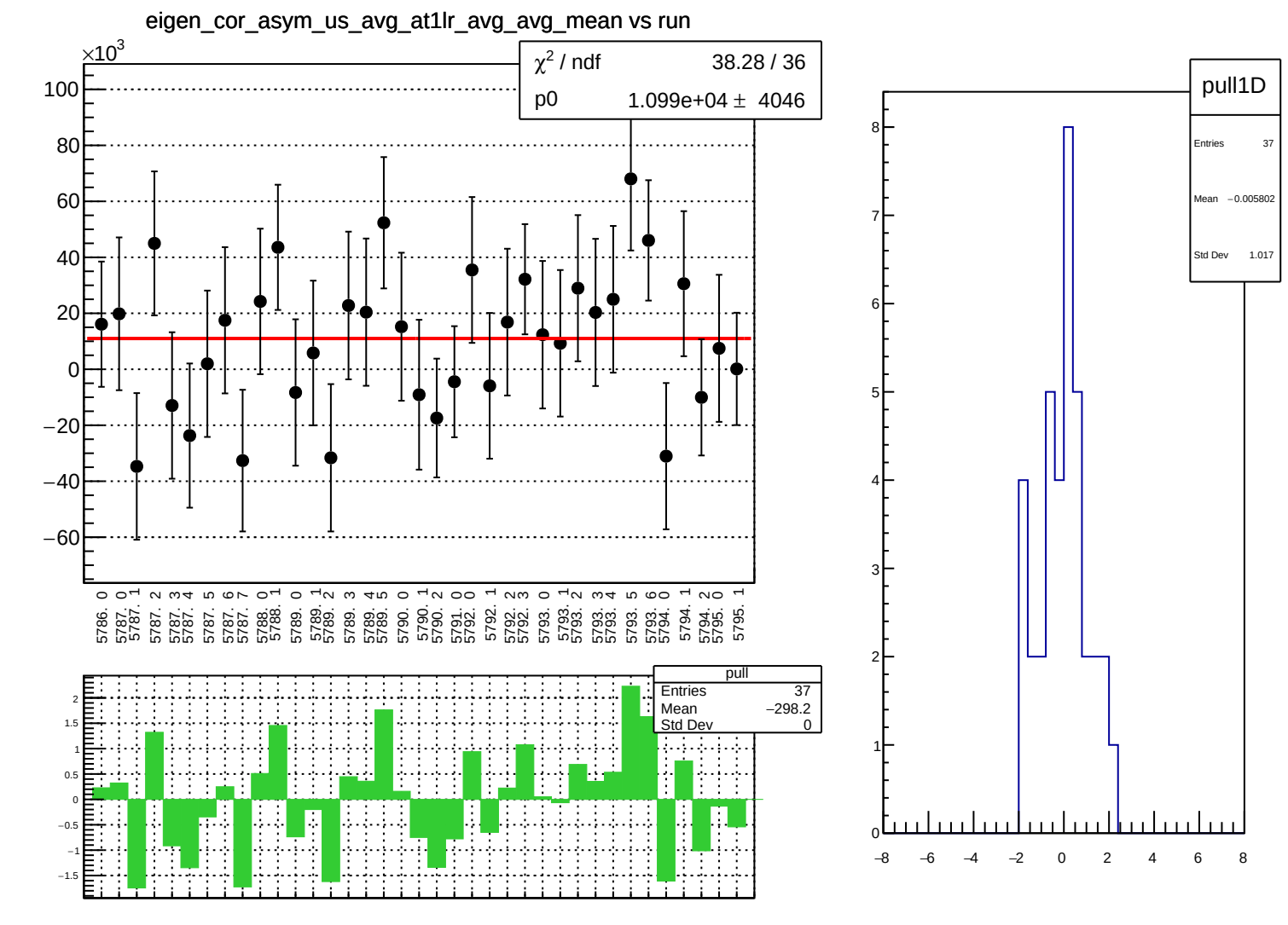
5795. 1


eigen_cor_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 38.28 / 36
p0 1.099e+04 ± 4046
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 4
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5790. 1
5790. 2
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5793. 0
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5793. 6
5794. 0
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5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −298.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.005802
Std Dev 1.017
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5
4
3
2
1
0
−8
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−4
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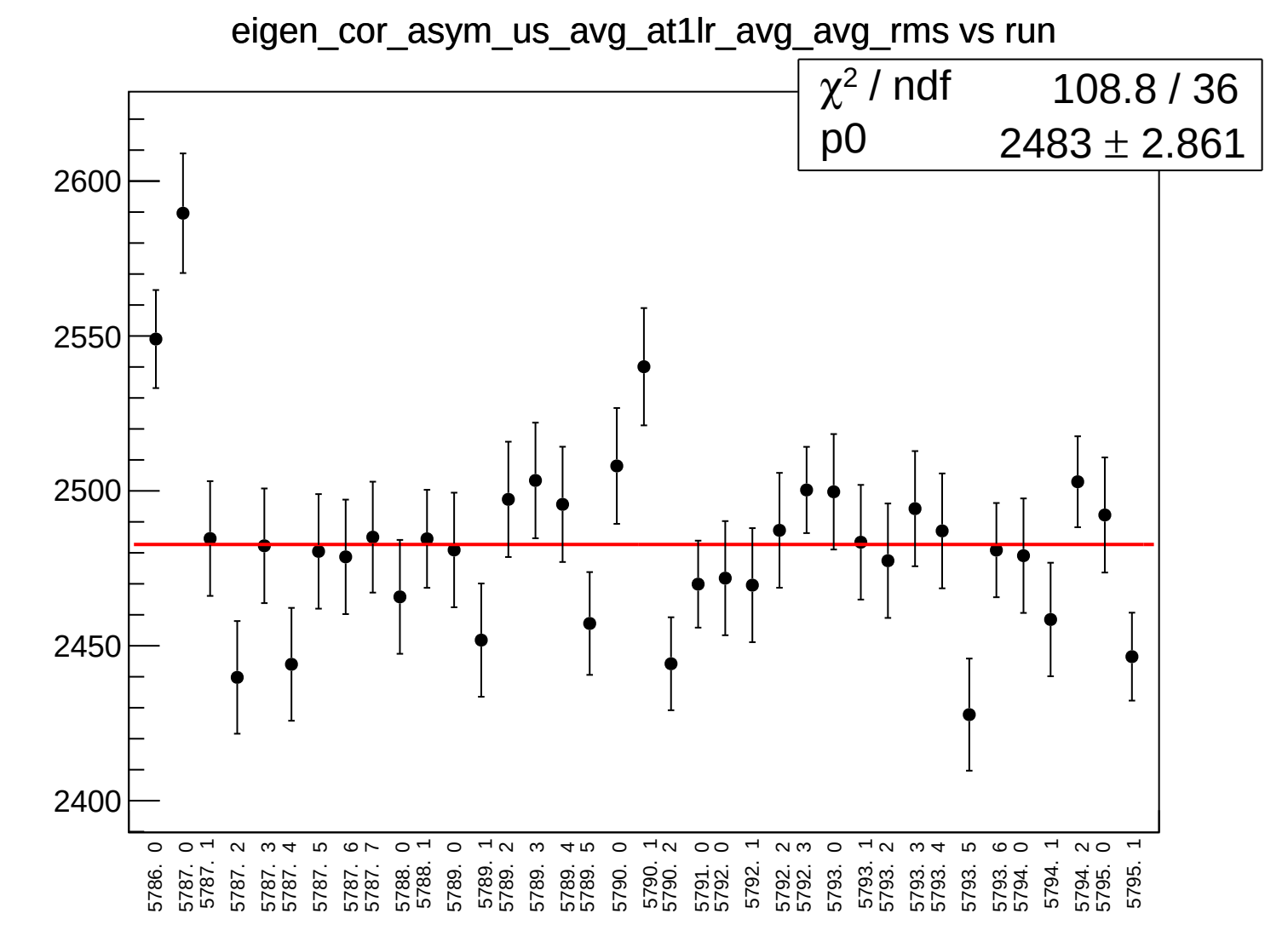
2
4
6
8


eigen_cor_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 108.8 / 36
p0 2483 ± 2.861
2600
2550
2500
2450
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
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5789. 2
5789. 3
5789. 4
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5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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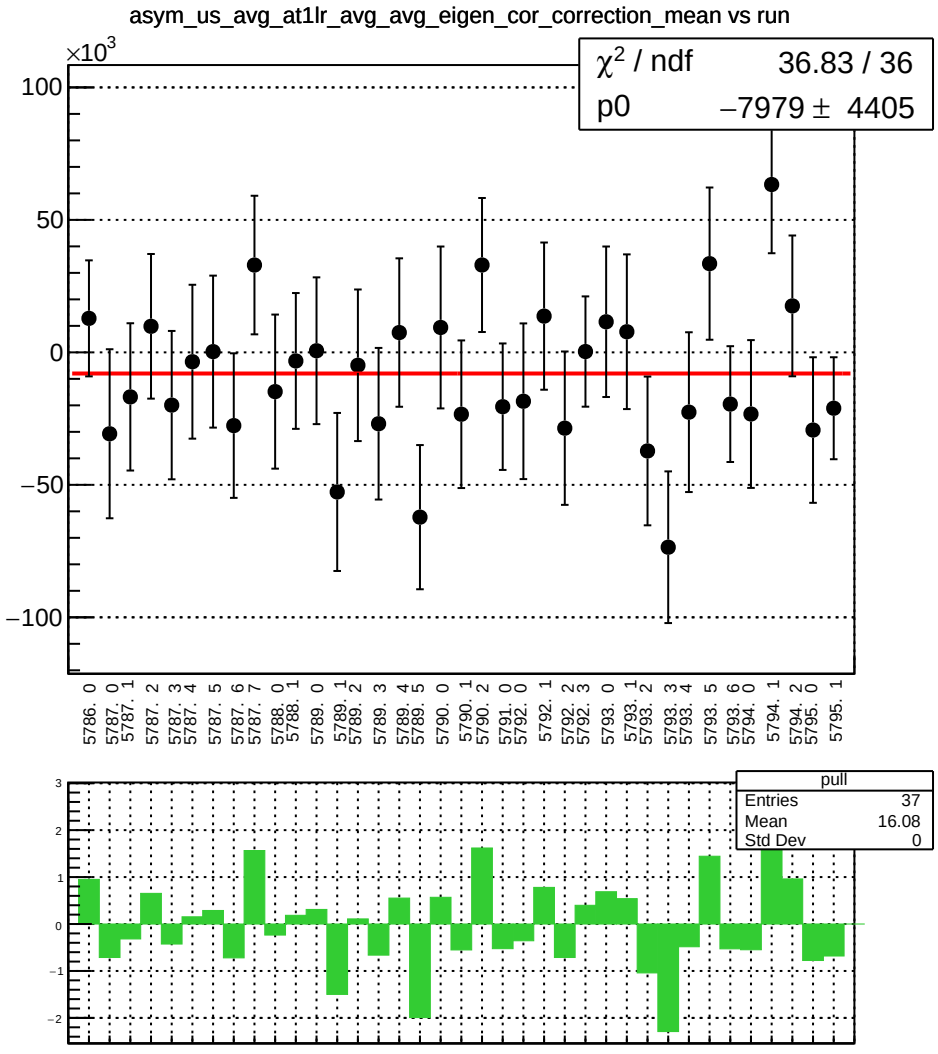
5795. 0
5795. 1


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 36.83 / 36
p0 −7979 ± 4405
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
5789. 4
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5790. 0
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5793. 6
5794. 0
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5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 16.08
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01486
Std Dev 0.9975
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10
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6
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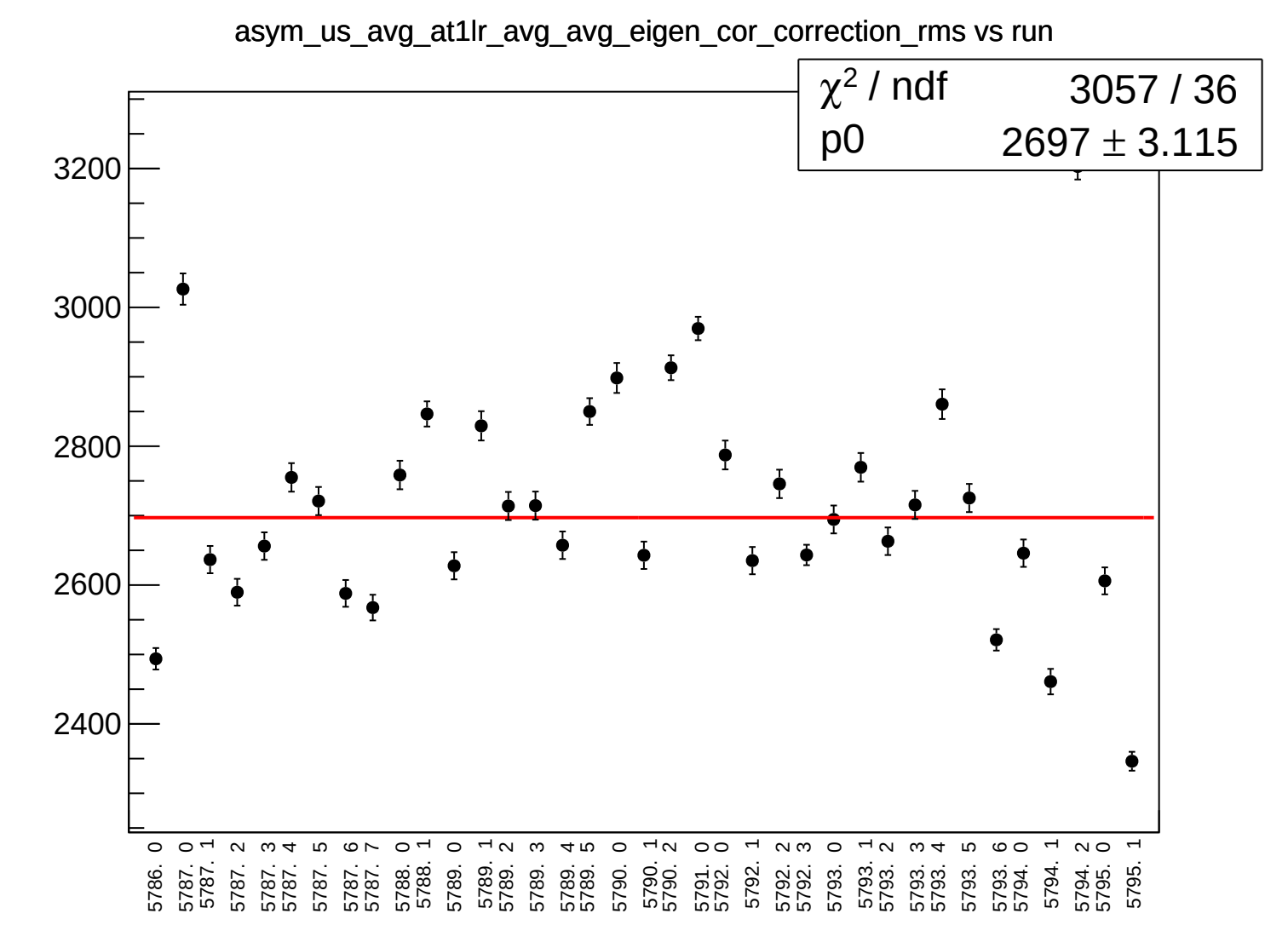
6
8


asym_us_avg_at1lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 3057 / 36
p0 2697 ± 3.115
3200
3000
2800
2600
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 5
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5794. 0
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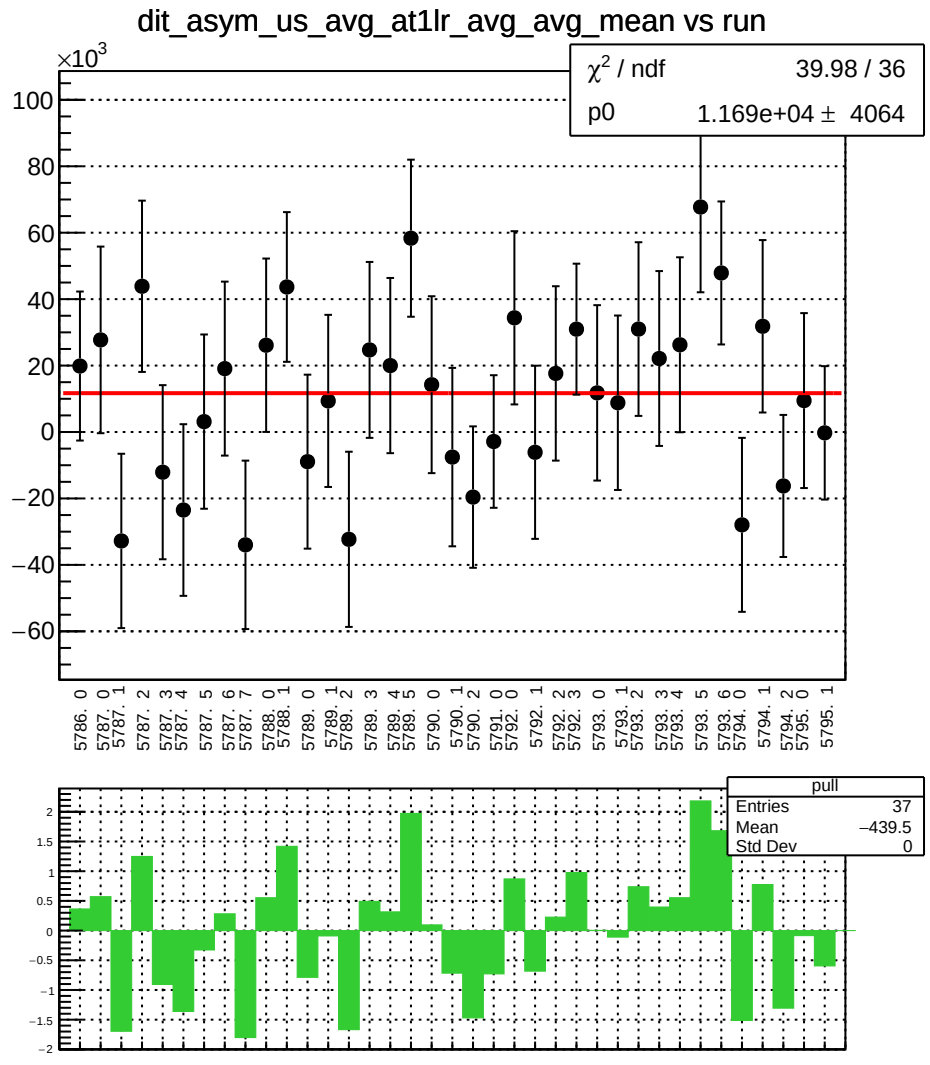
5794. 2
5795. 0
5795. 1


dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 39.98 / 36
p0 1.169e+04 ± 4064
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
5791. 0
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5792. 1
5792. 2
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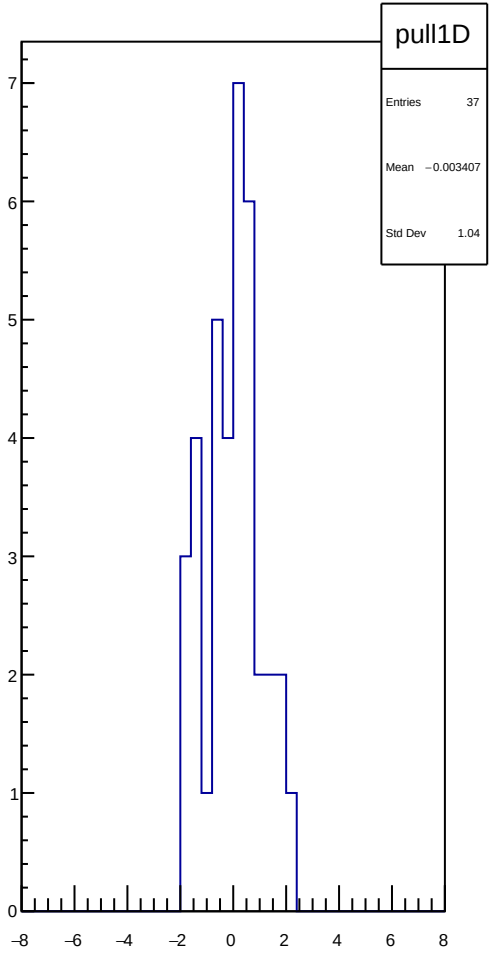
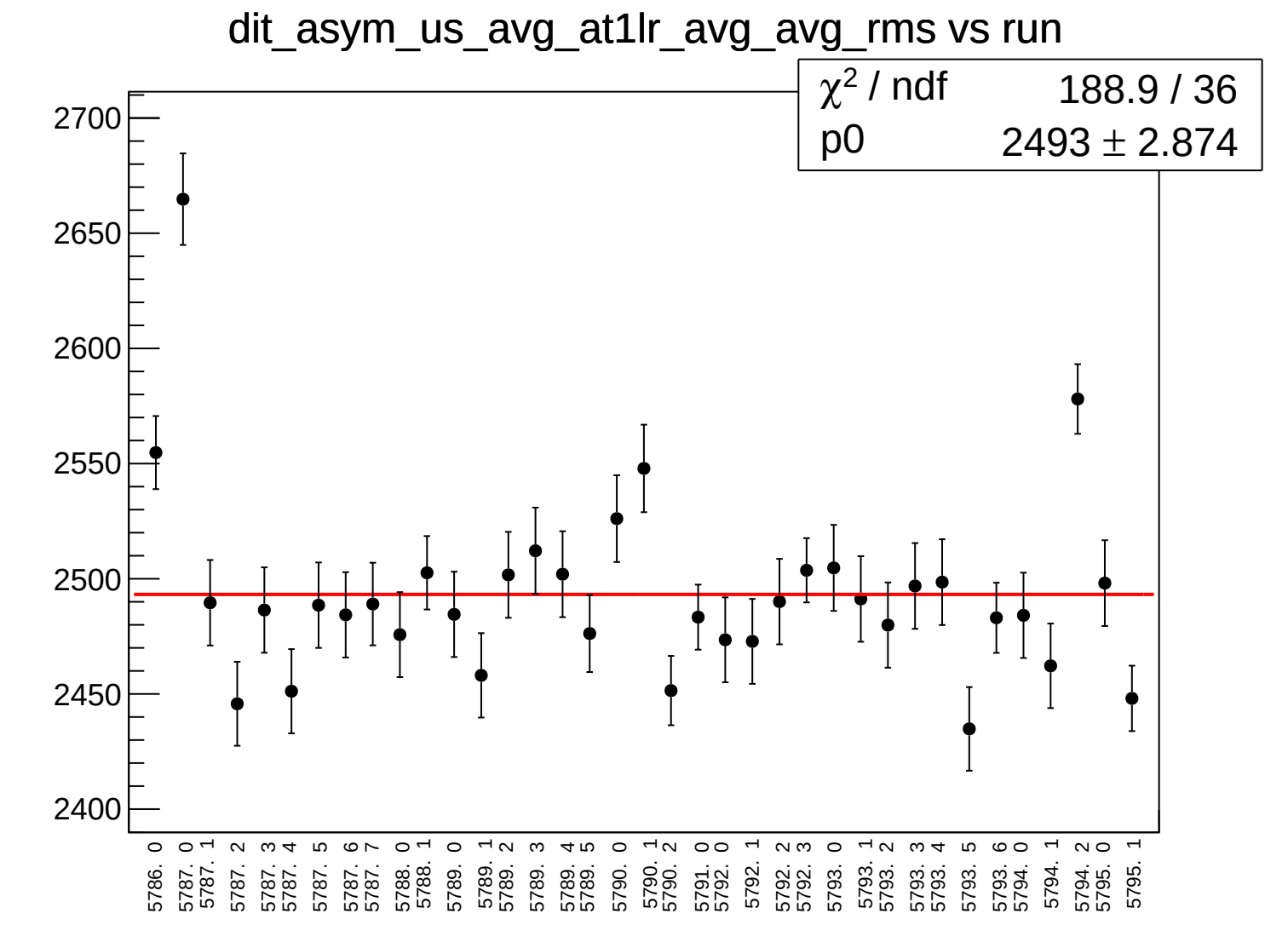
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −439.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.003407
Std Dev 1.04
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 188.9 / 36
p0 2493 ± 2.874
2700
2650
2600
2550
2500
2450
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
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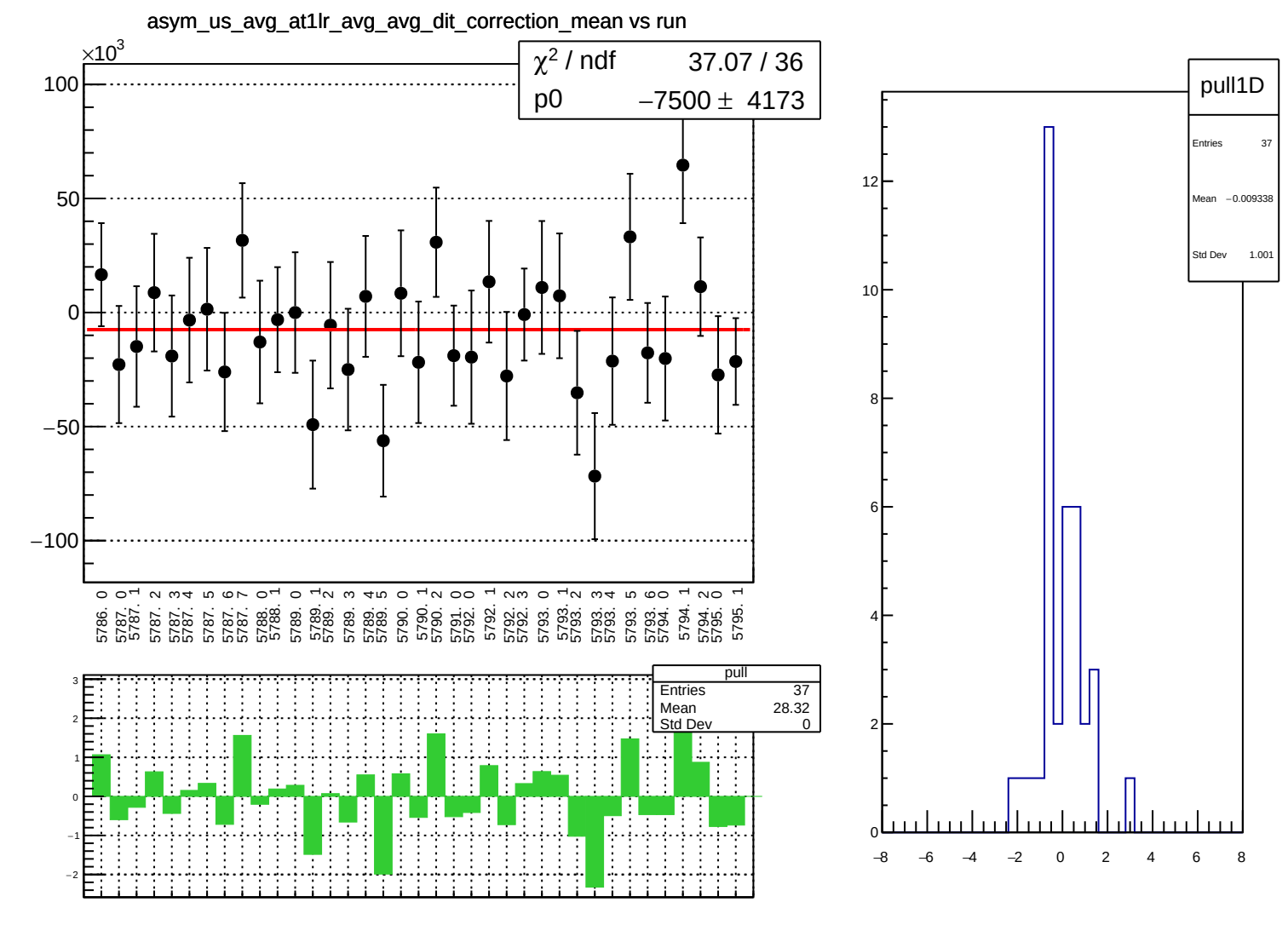
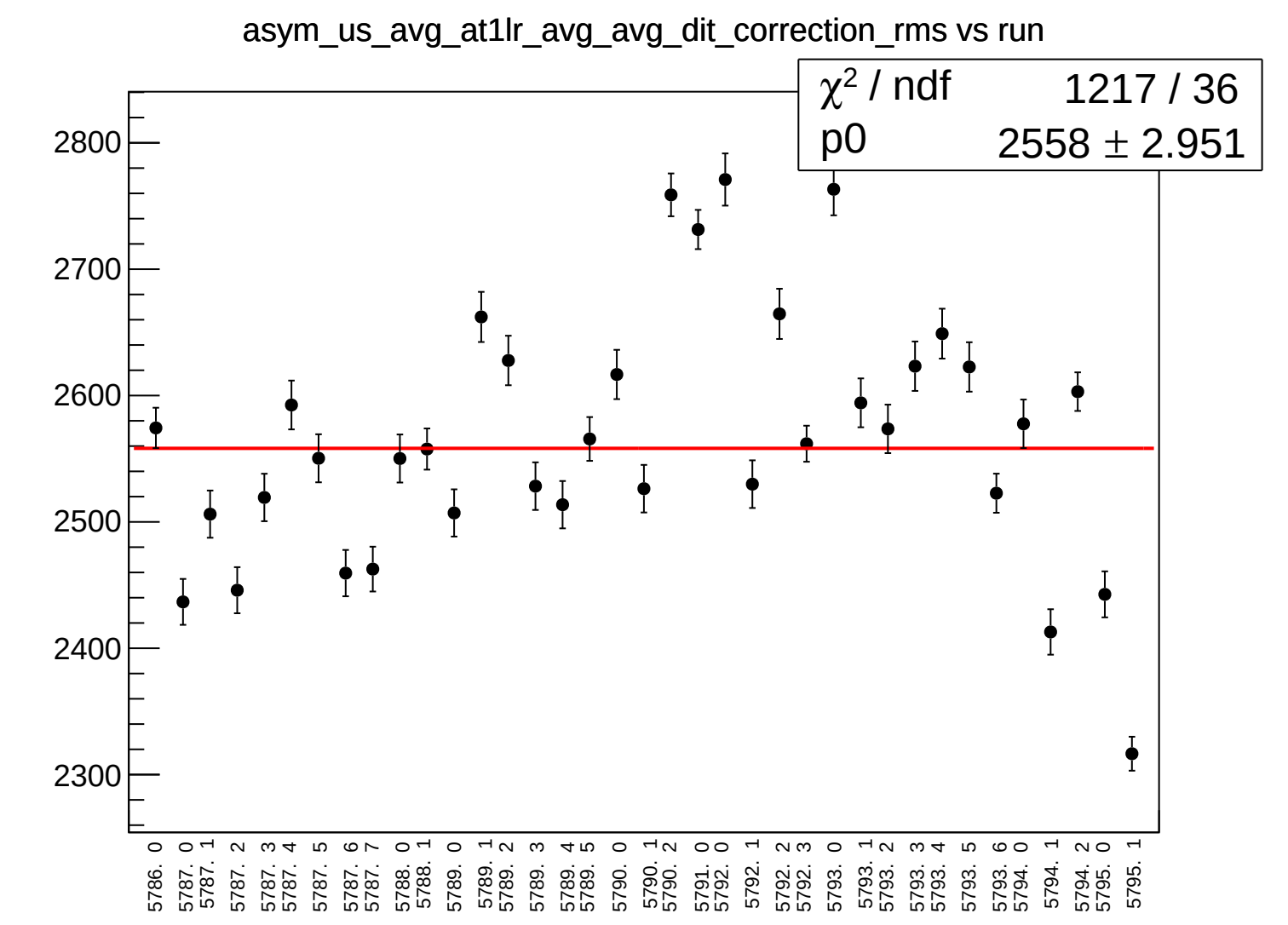
5795. 1


asym_us_avg_at1lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 37.07 / 36
p0 −7500 ± 4173
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.009338
Std Dev 1.001
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at1lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1217 / 36
p0 2558 ± 2.951
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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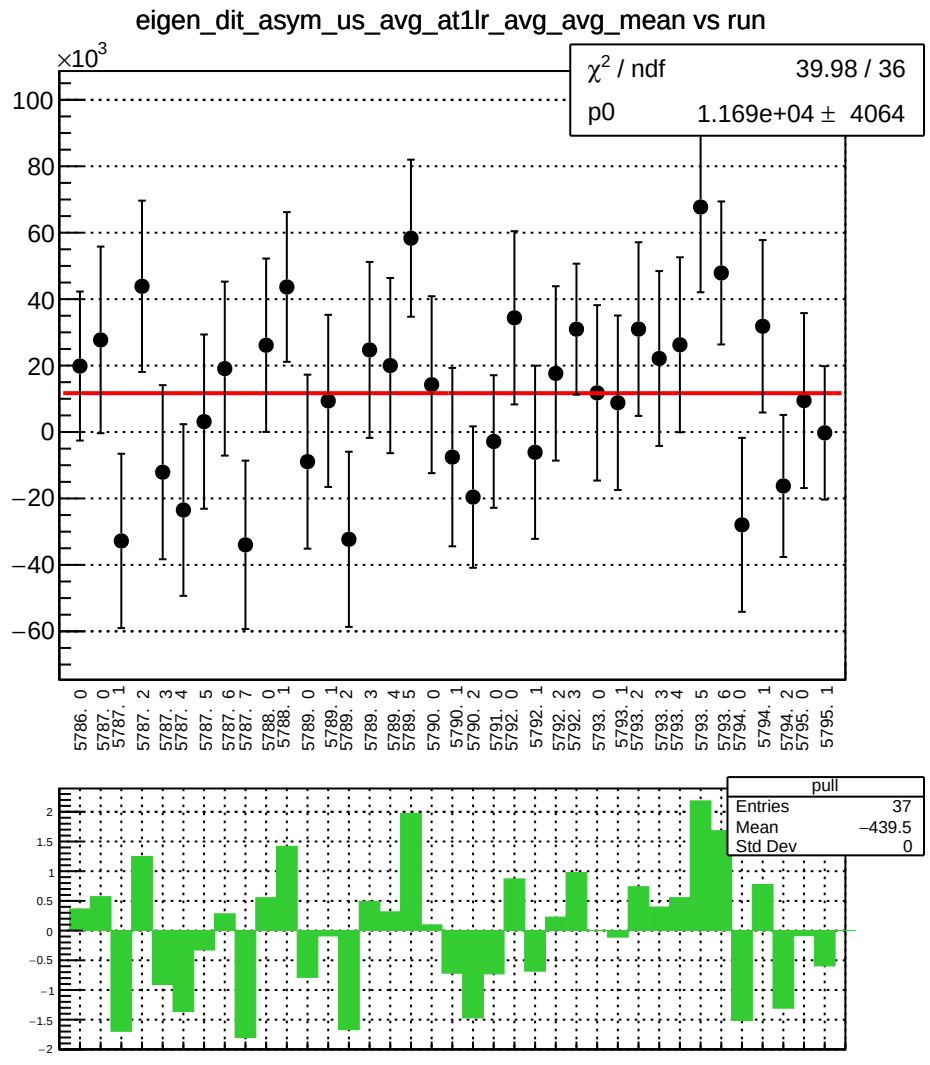
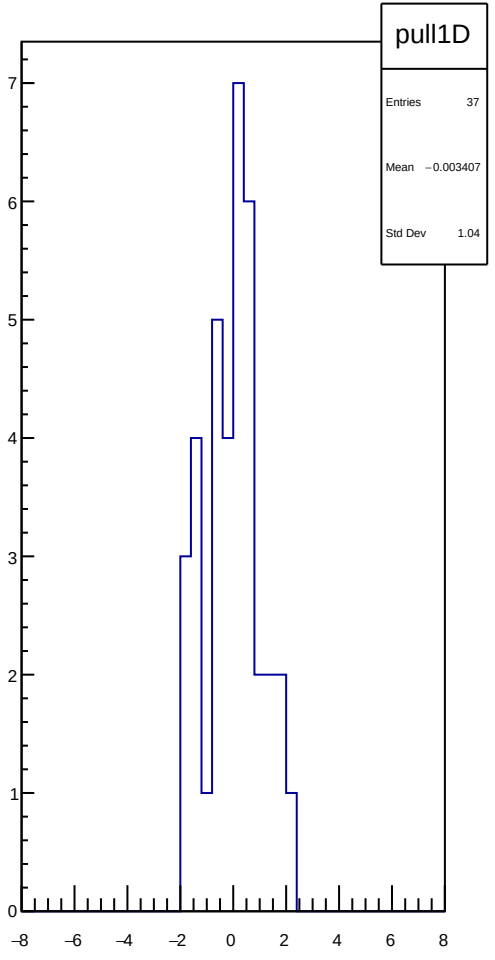
5794. 2
5795. 0
5795. 1


eigen_dit_asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 39.98 / 36
p0 1.169e+04 ± 4064
100
80
60
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −439.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.003407
Std Dev 1.04
7
6
5
4
3
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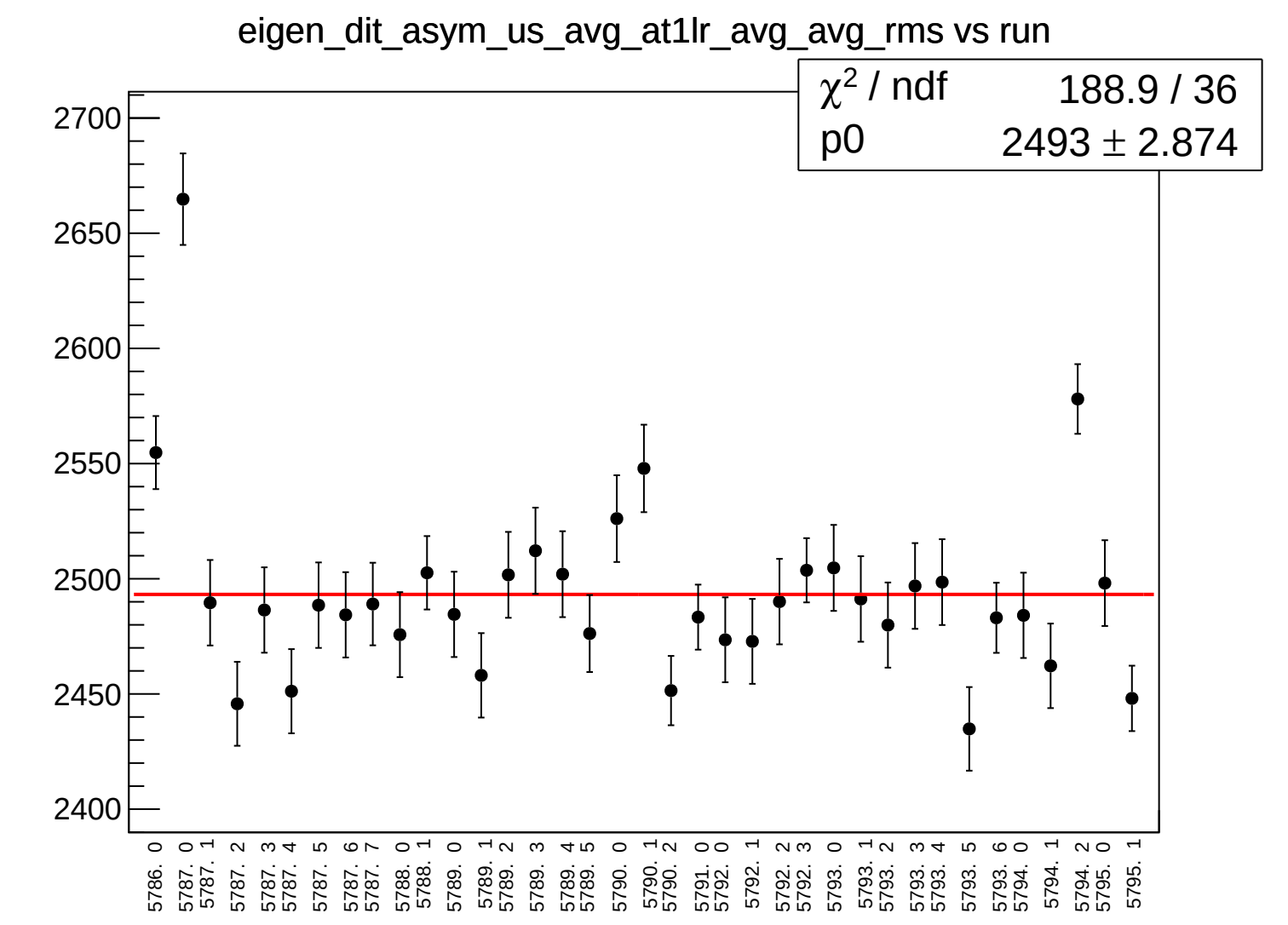
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 188.9 / 36
p0 2493 ± 2.874
2700
2650
2600
2550
2500
2450
2400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
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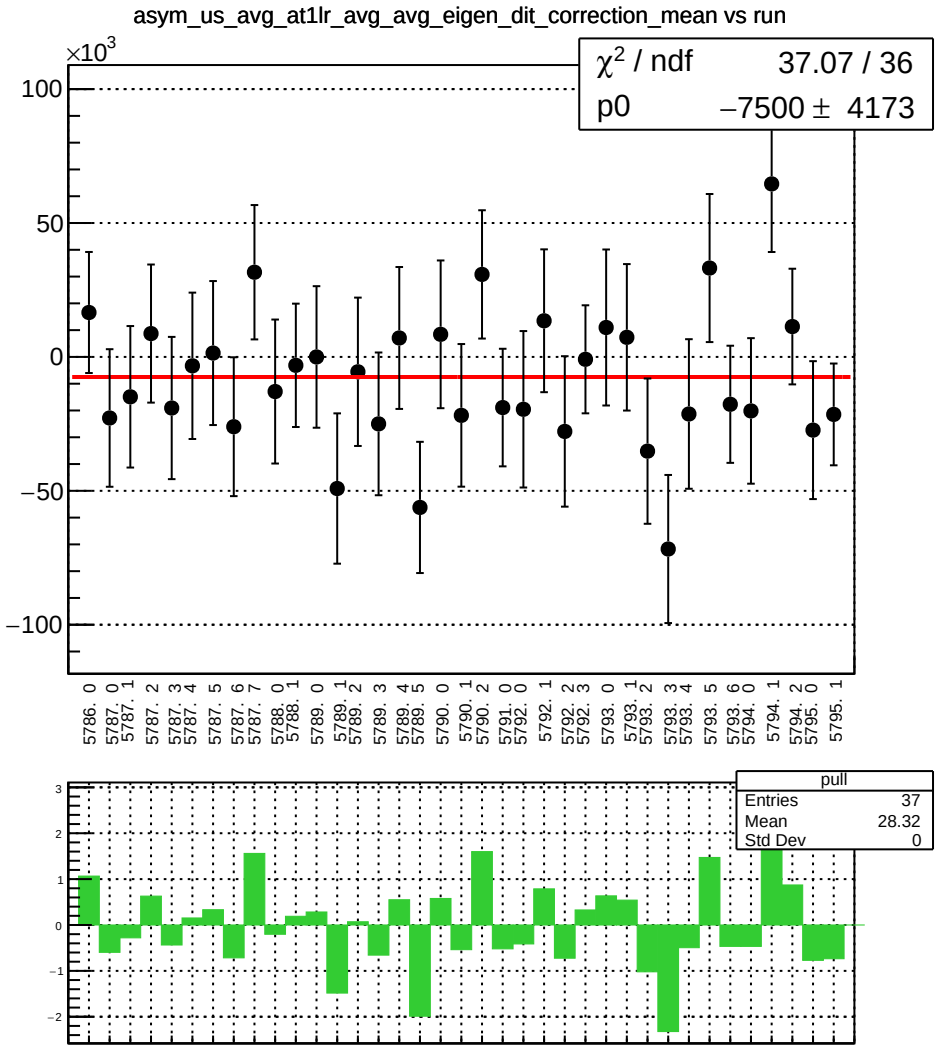
asym_us_avg_at1lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 37.07 / 36
p0 −7500 ± 4173
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.32
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.009338
Std Dev 1.001
12
10
8
6
4
2
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−4
−2
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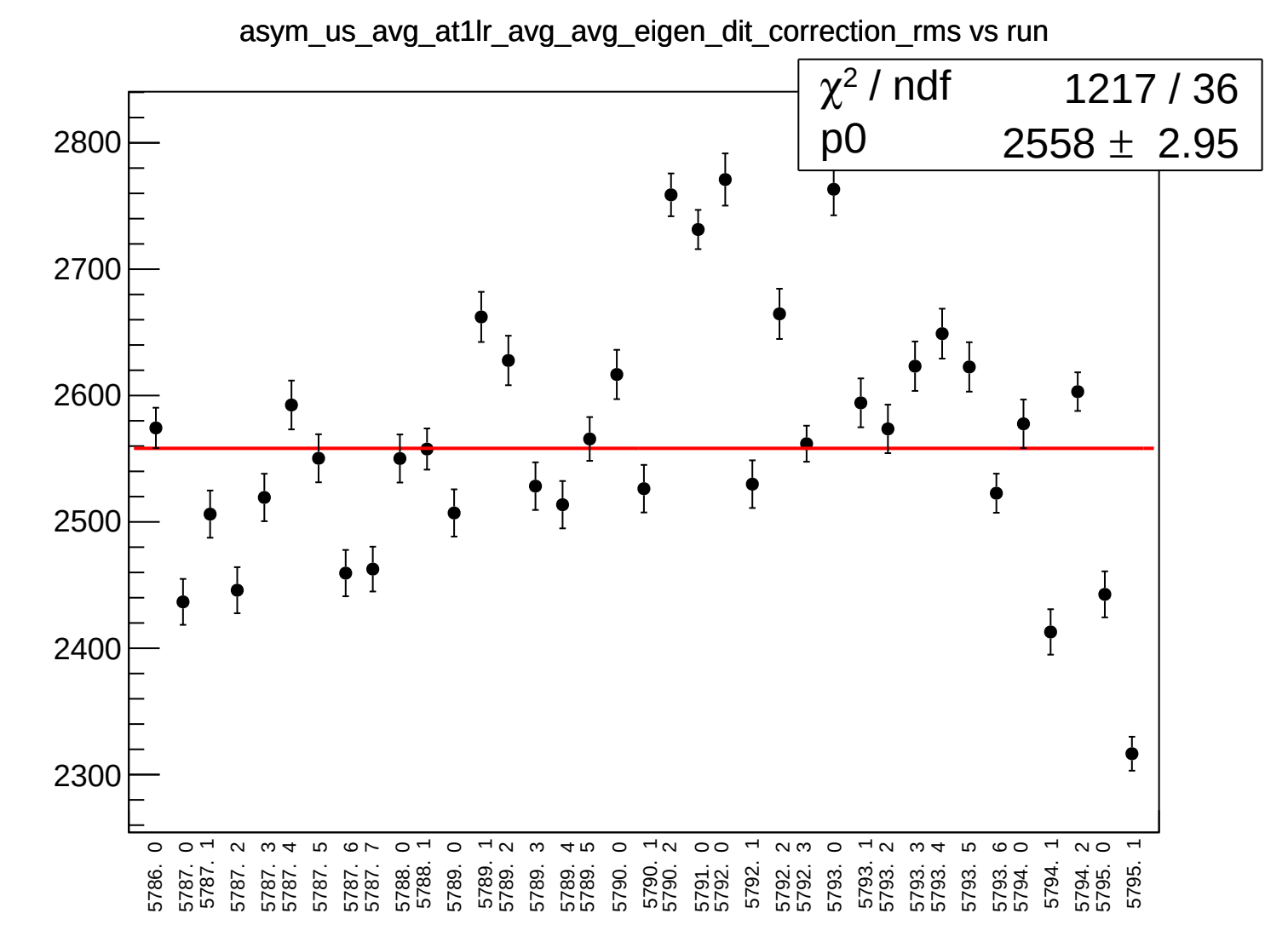
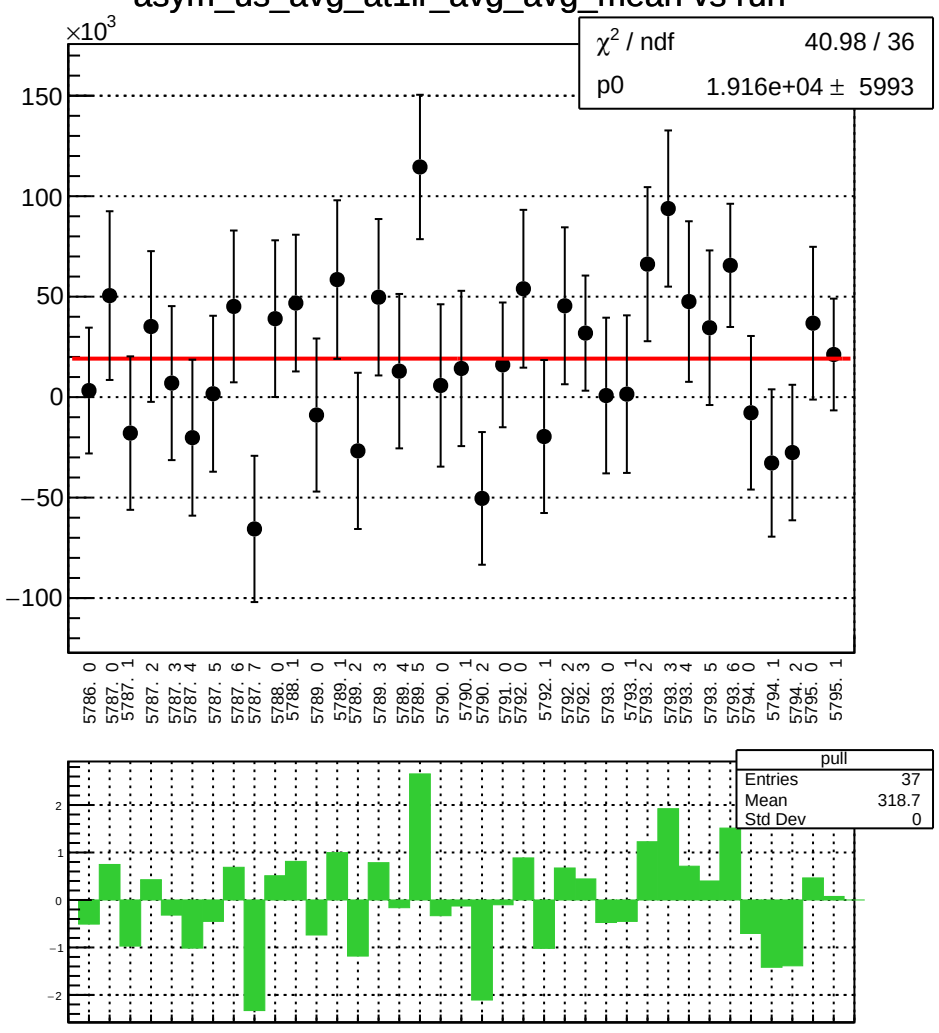
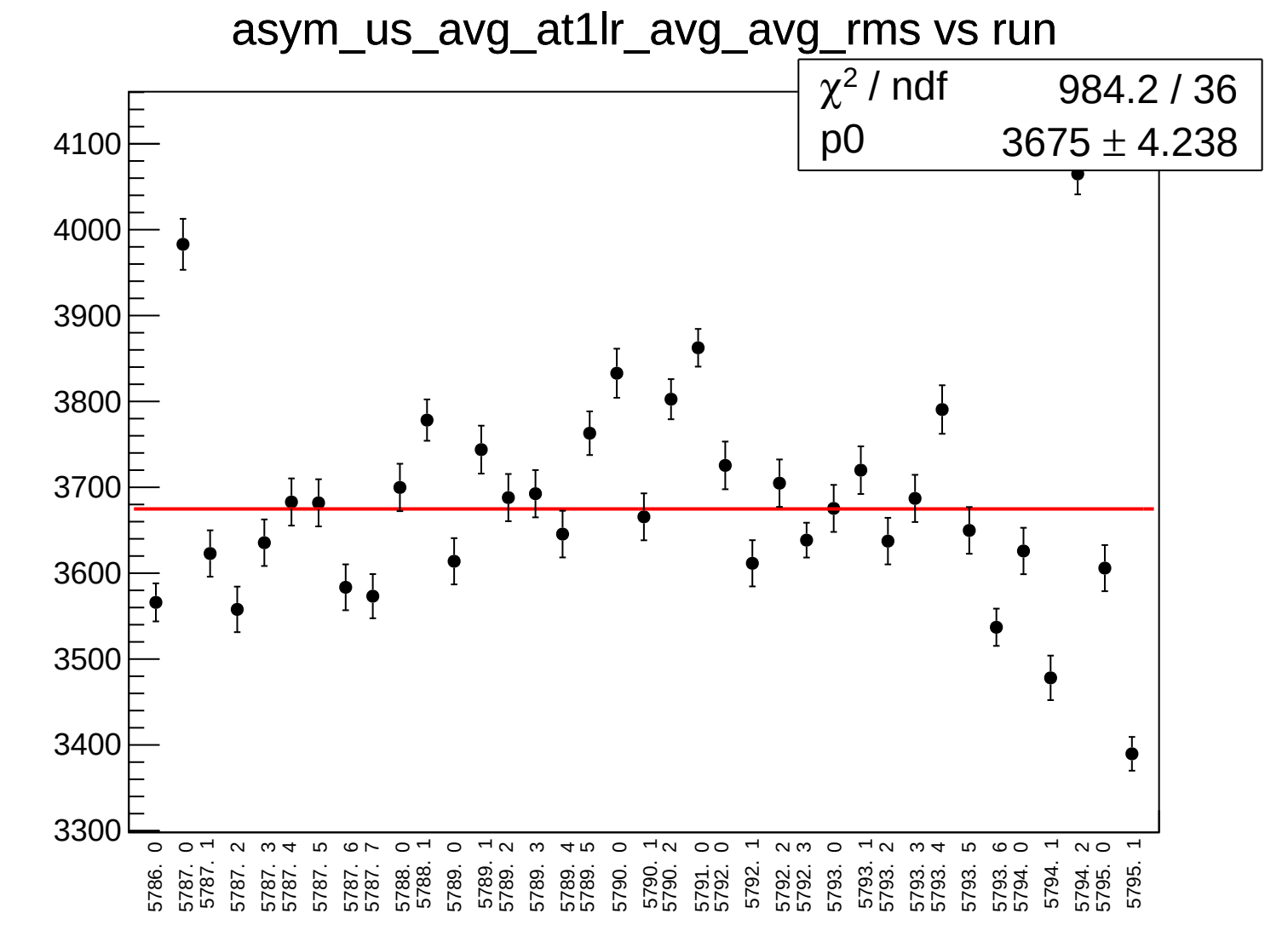
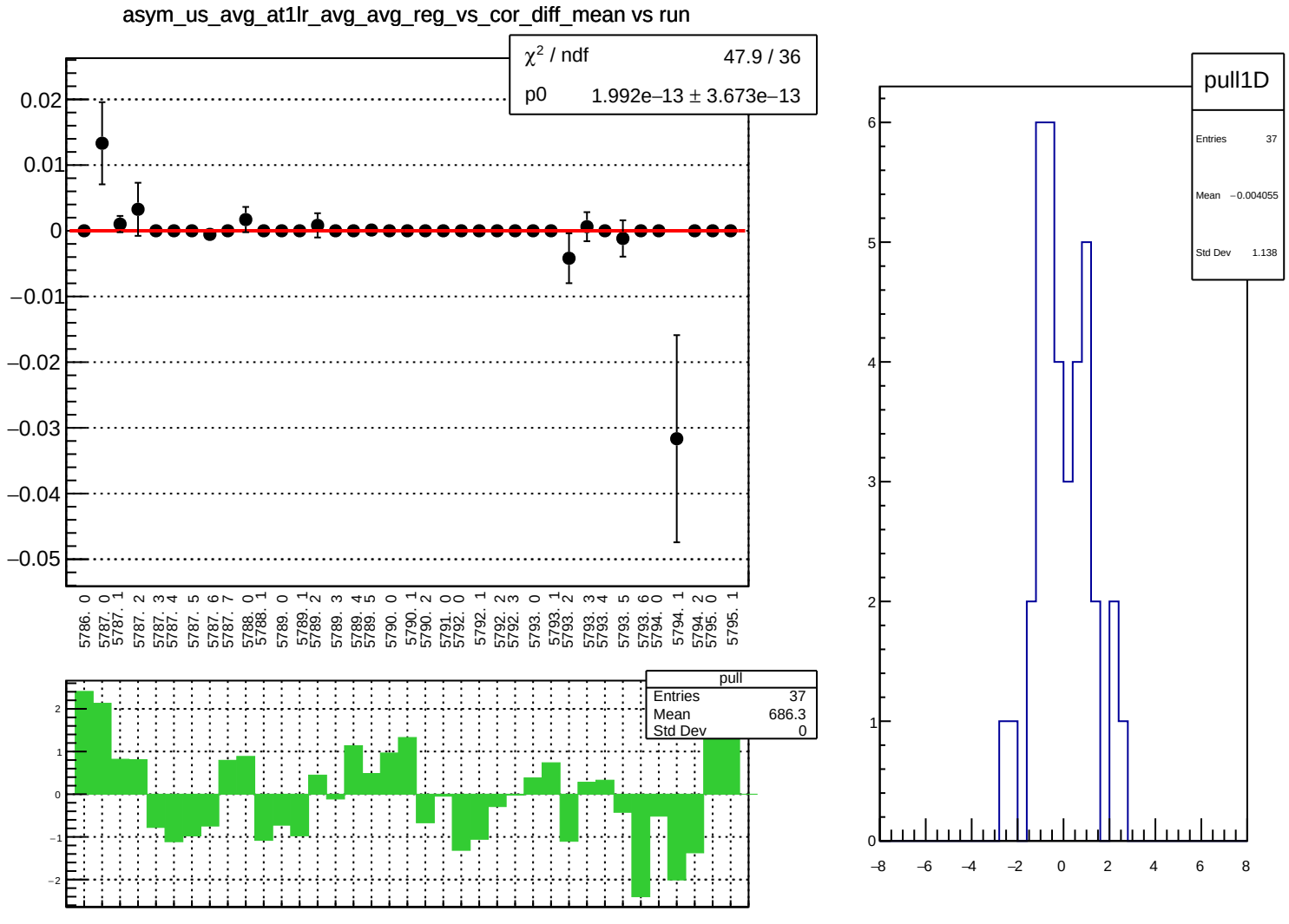
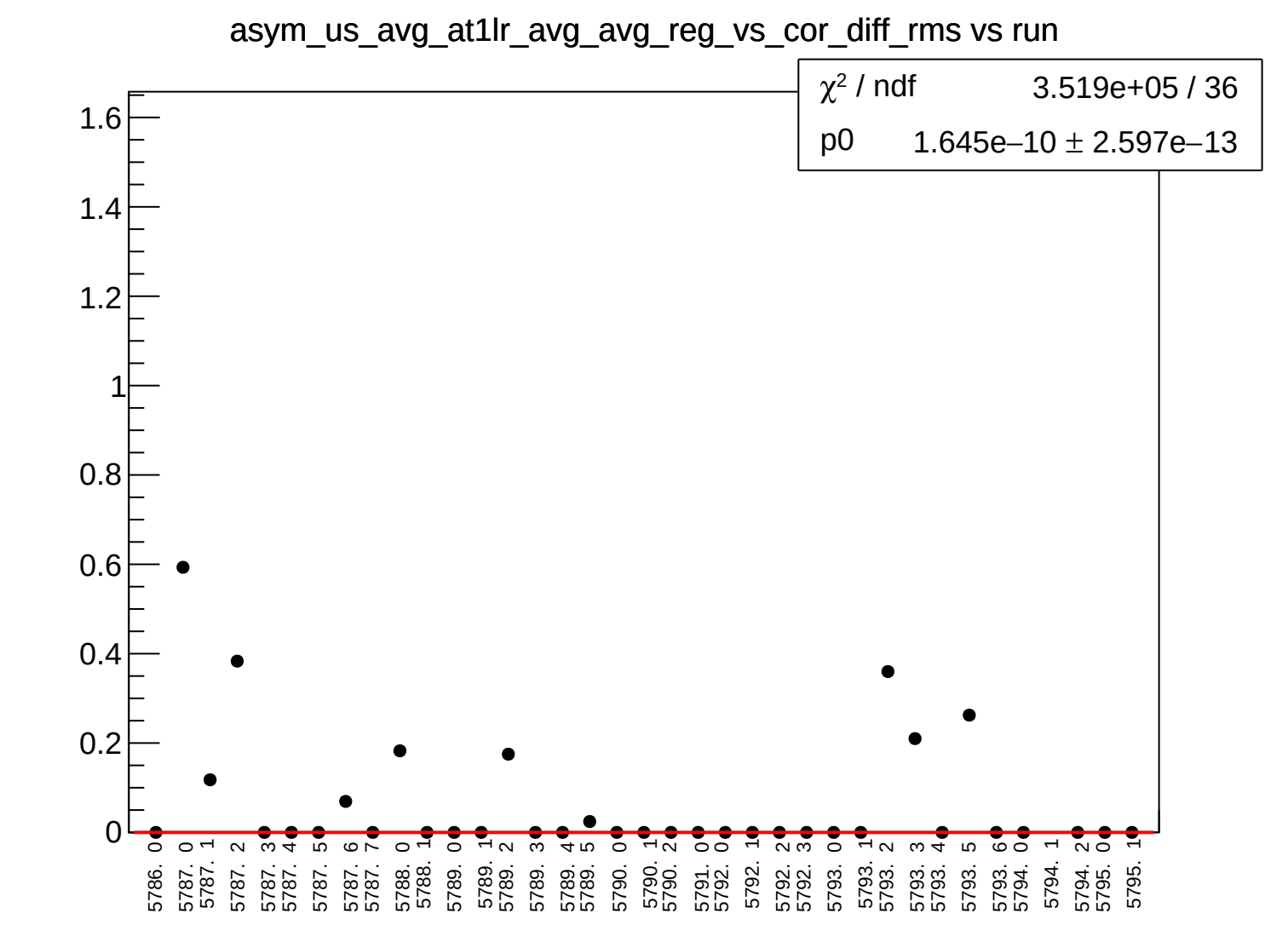
2
4
6
8

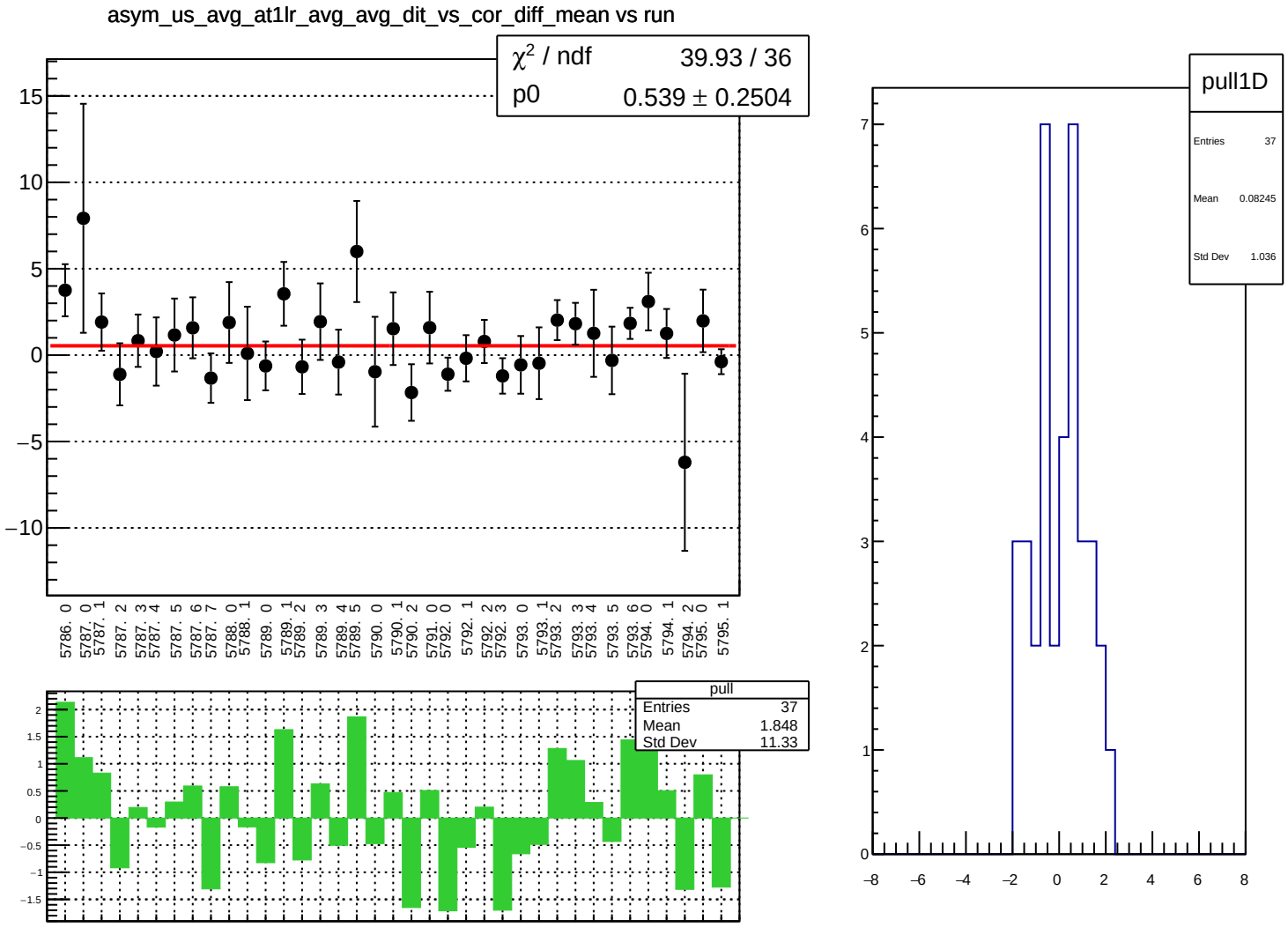

asym_us_avg_at1lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1217 / 36
p0 2558 ± 2.95
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

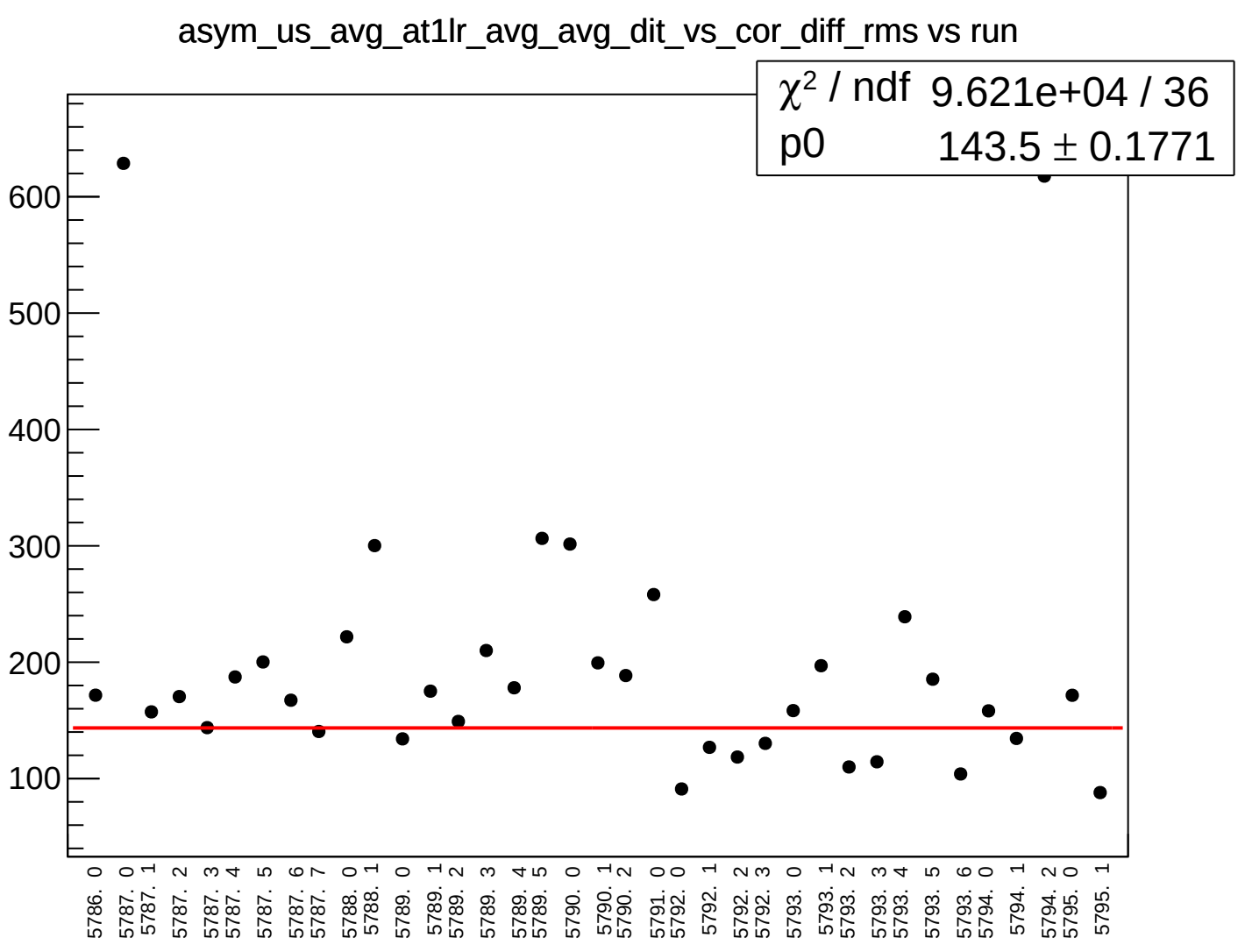

asym_us_avg_at1lr_avg_avg_mean vs run
×10^3
χ² / ndf 40.98 / 36
p0 1.916e+04 ± 5993
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 318.7
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.004008
Std Dev 1.052
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

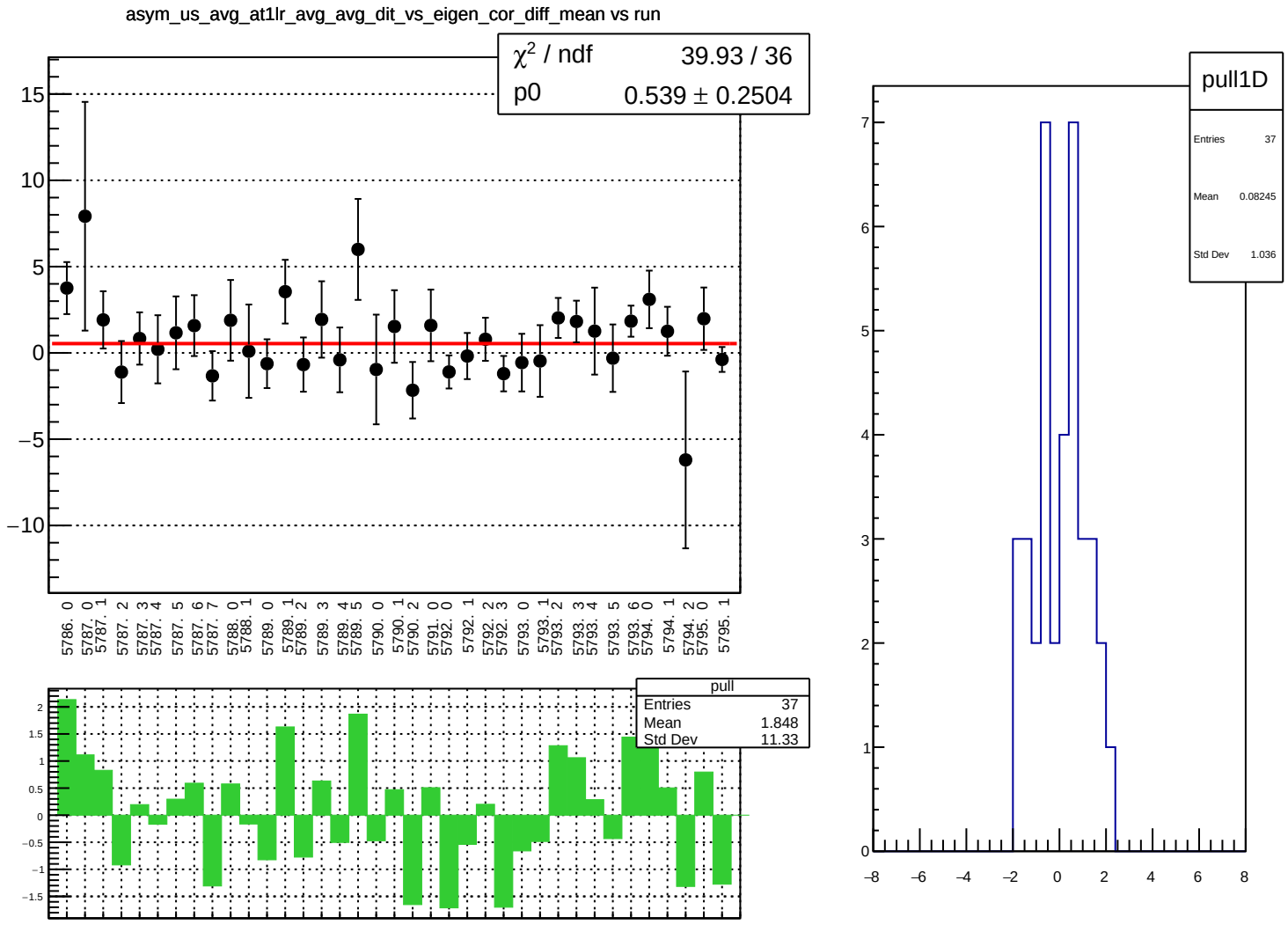

asym_us_avg_at1lr_avg_avg_rms vs run
χ² / ndf 984.2 / 36
p0 3675 ± 4.238
4100
4000
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

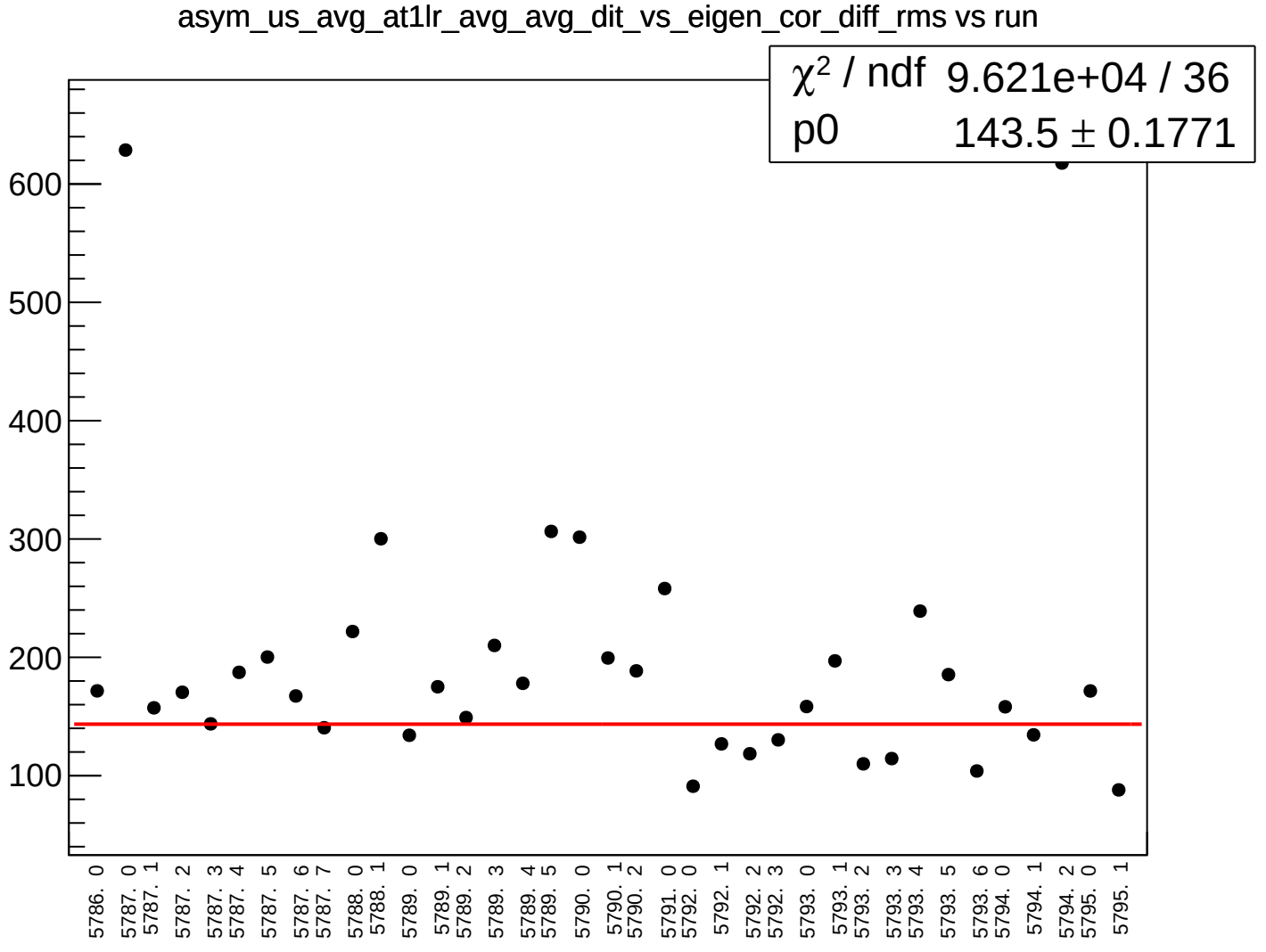

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 47.9 / 36
p0 1.992e−13 ± 3.673e−13
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
−0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 686.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.004055
Std Dev 1.138
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

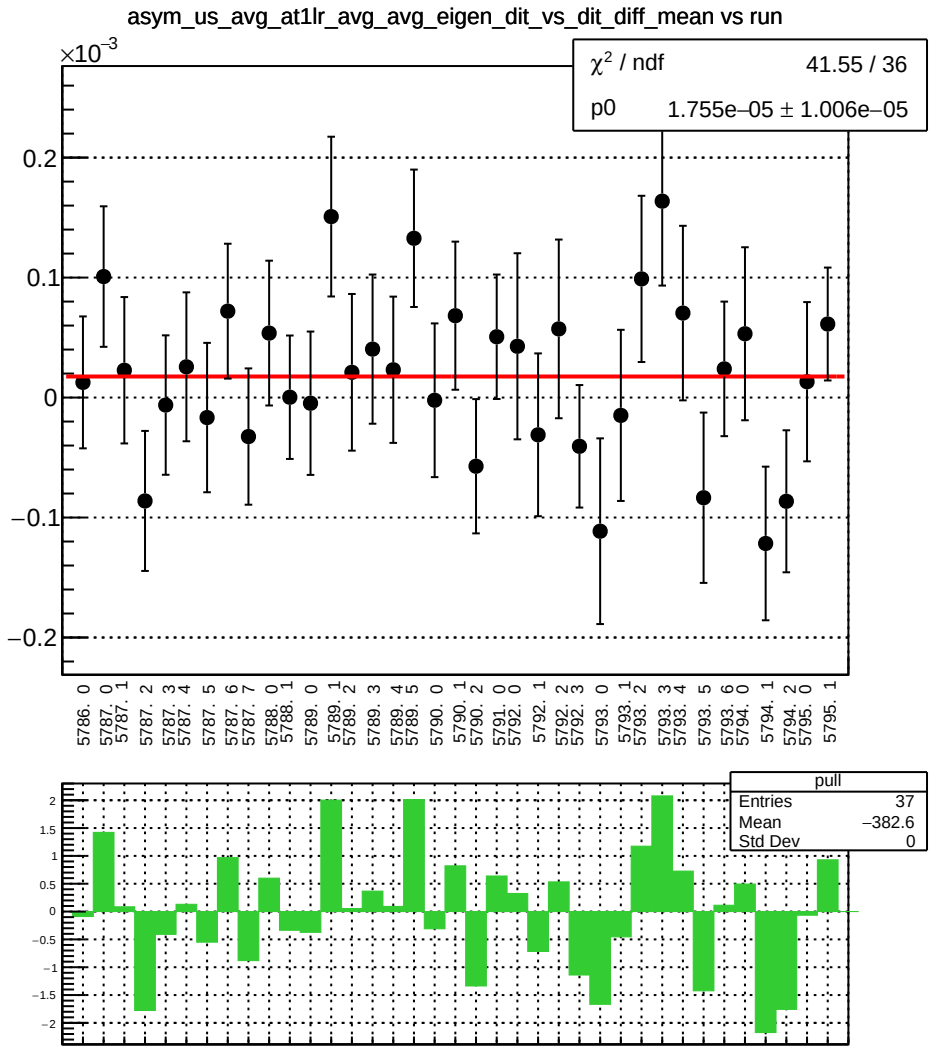

asym_us_avg_at1lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.519e+05 / 36
p0 1.645e−10 ± 2.597e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

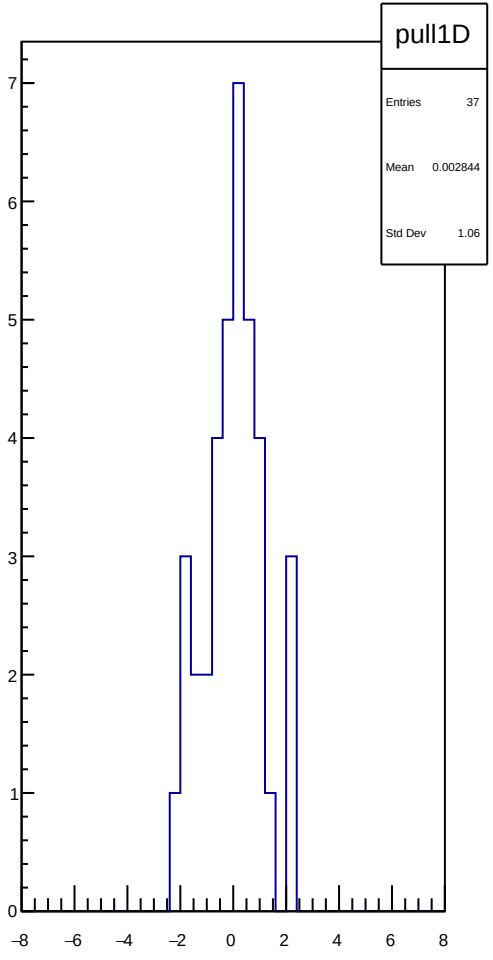

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 39.93 / 36
p0 0.539 ± 0.2504
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.848
Std Dev 11.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08245
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

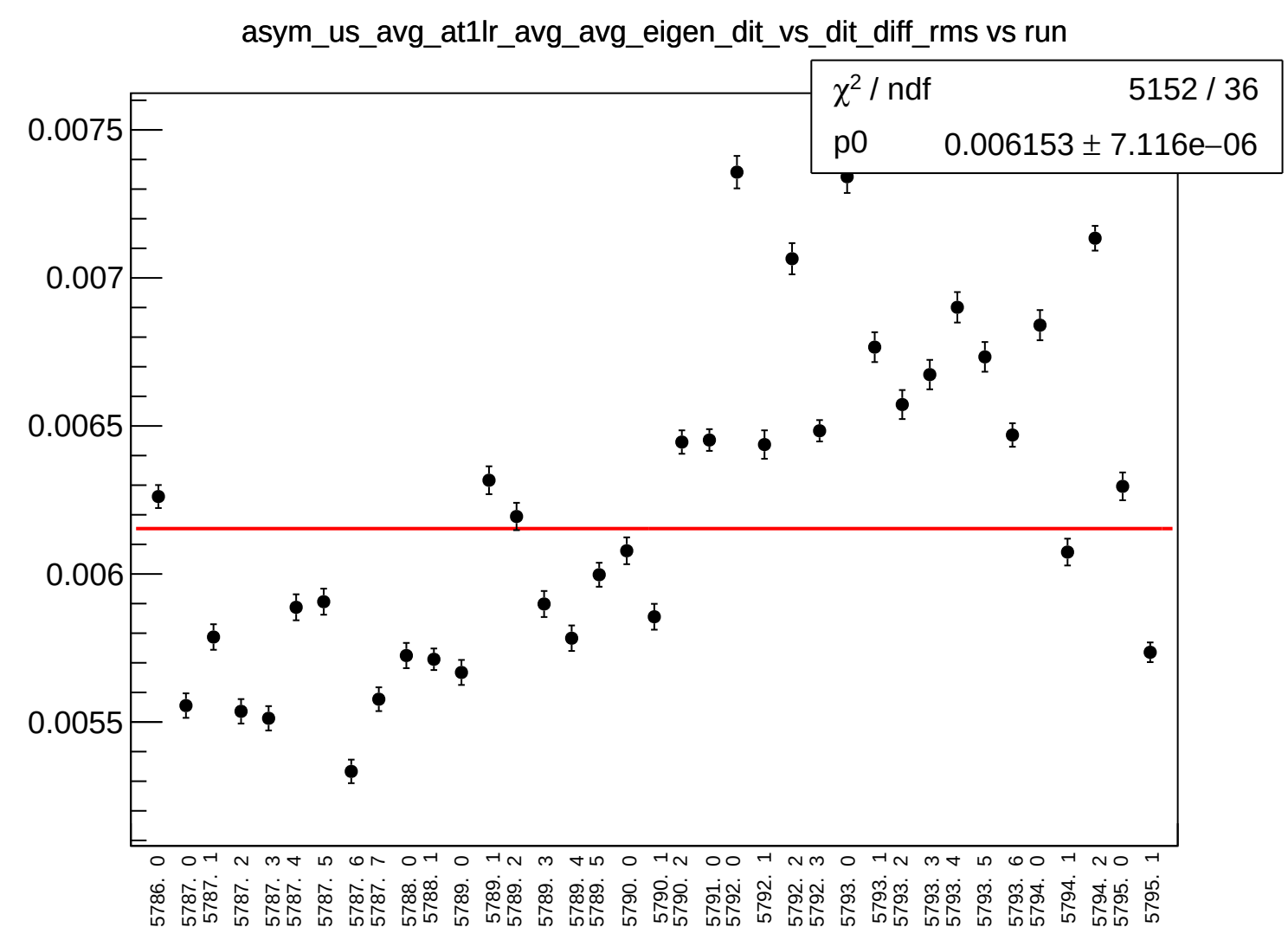

asym_us_avg_at1lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 36
p0 143.5 ± 0.1771
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

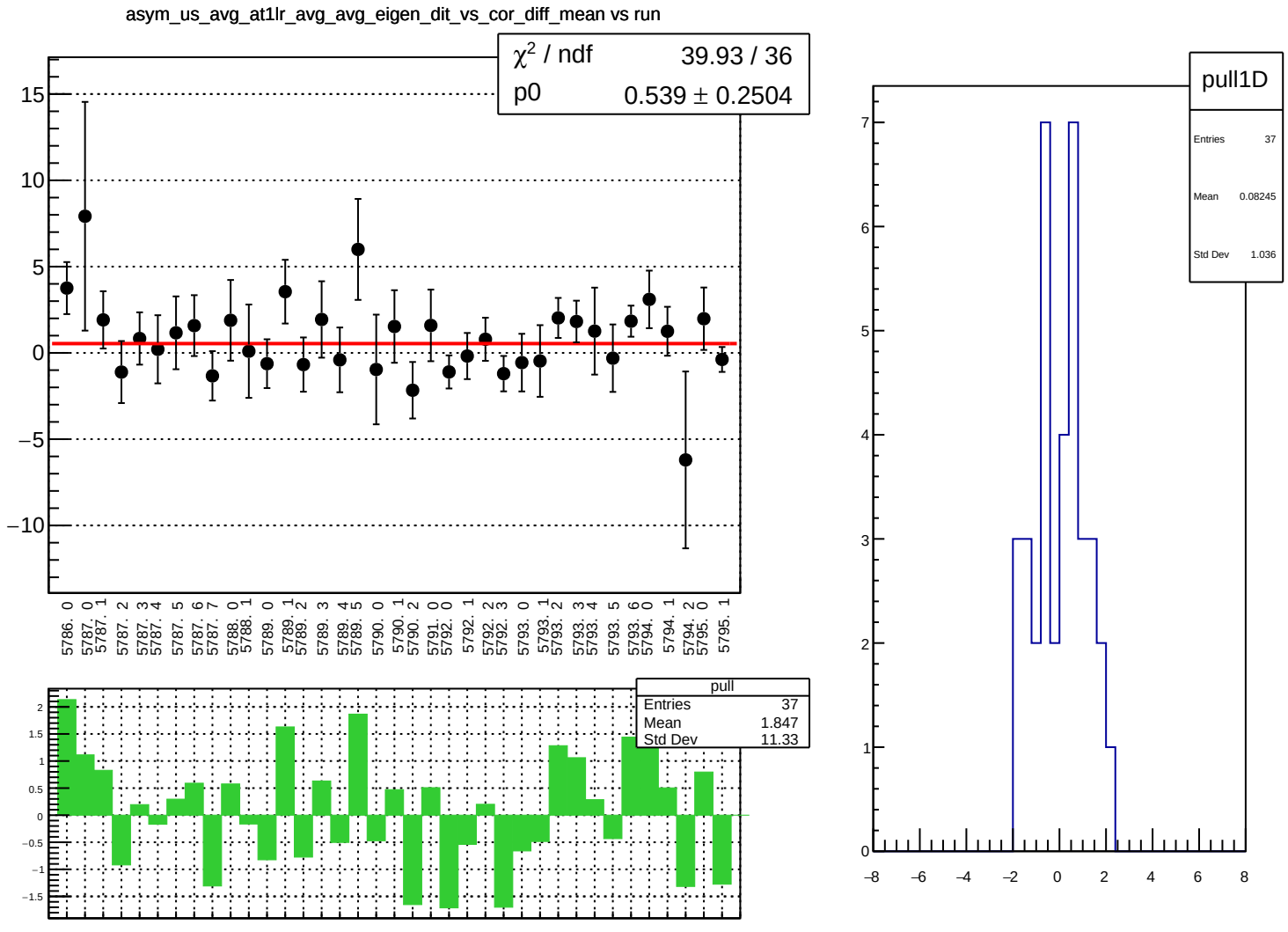

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.93 / 36
p0 0.539 ± 0.2504
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.848
Std Dev 11.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08245
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

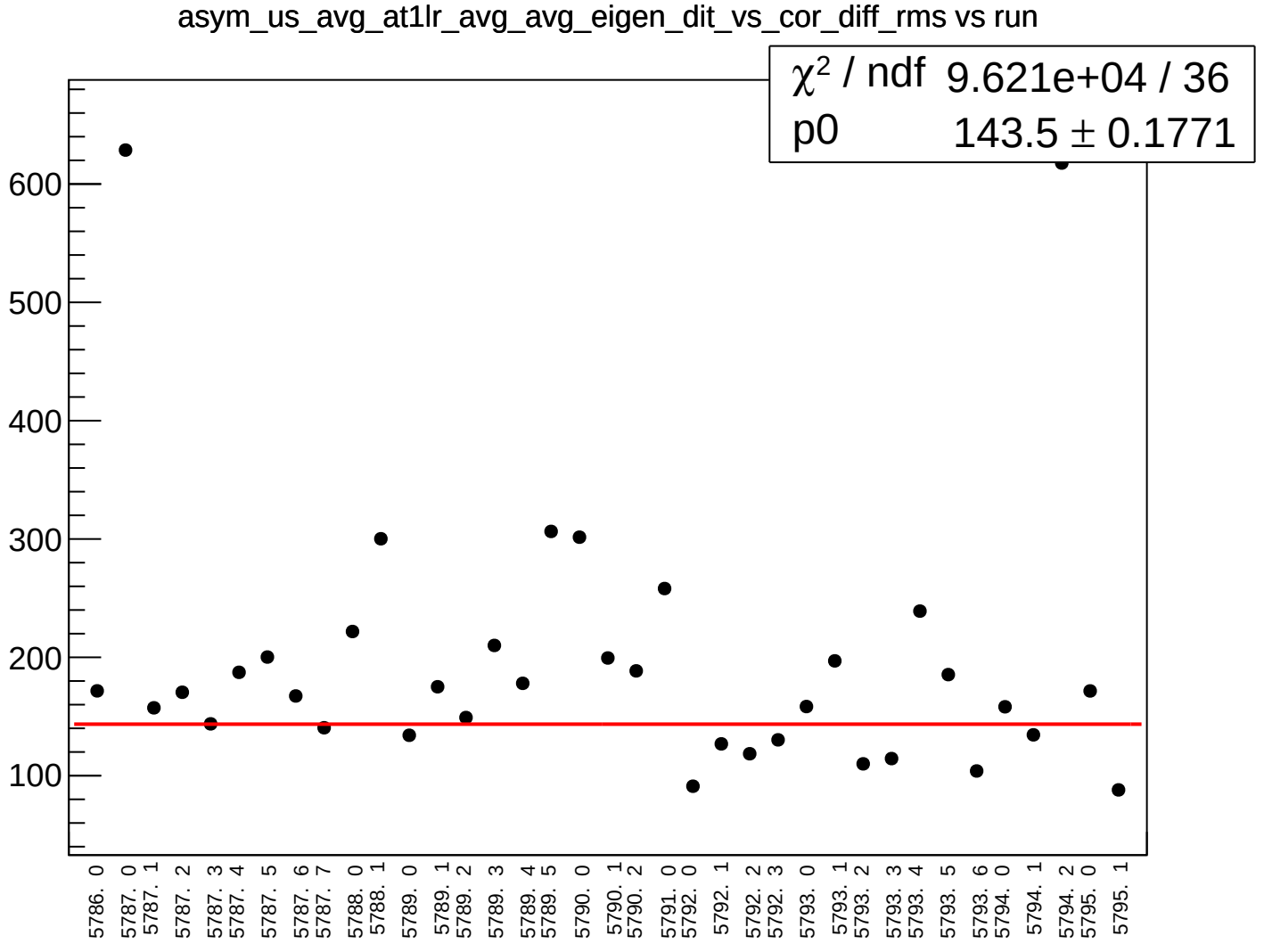

asym_us_avg_at1lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 36
p0 143.5 ± 0.1771
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

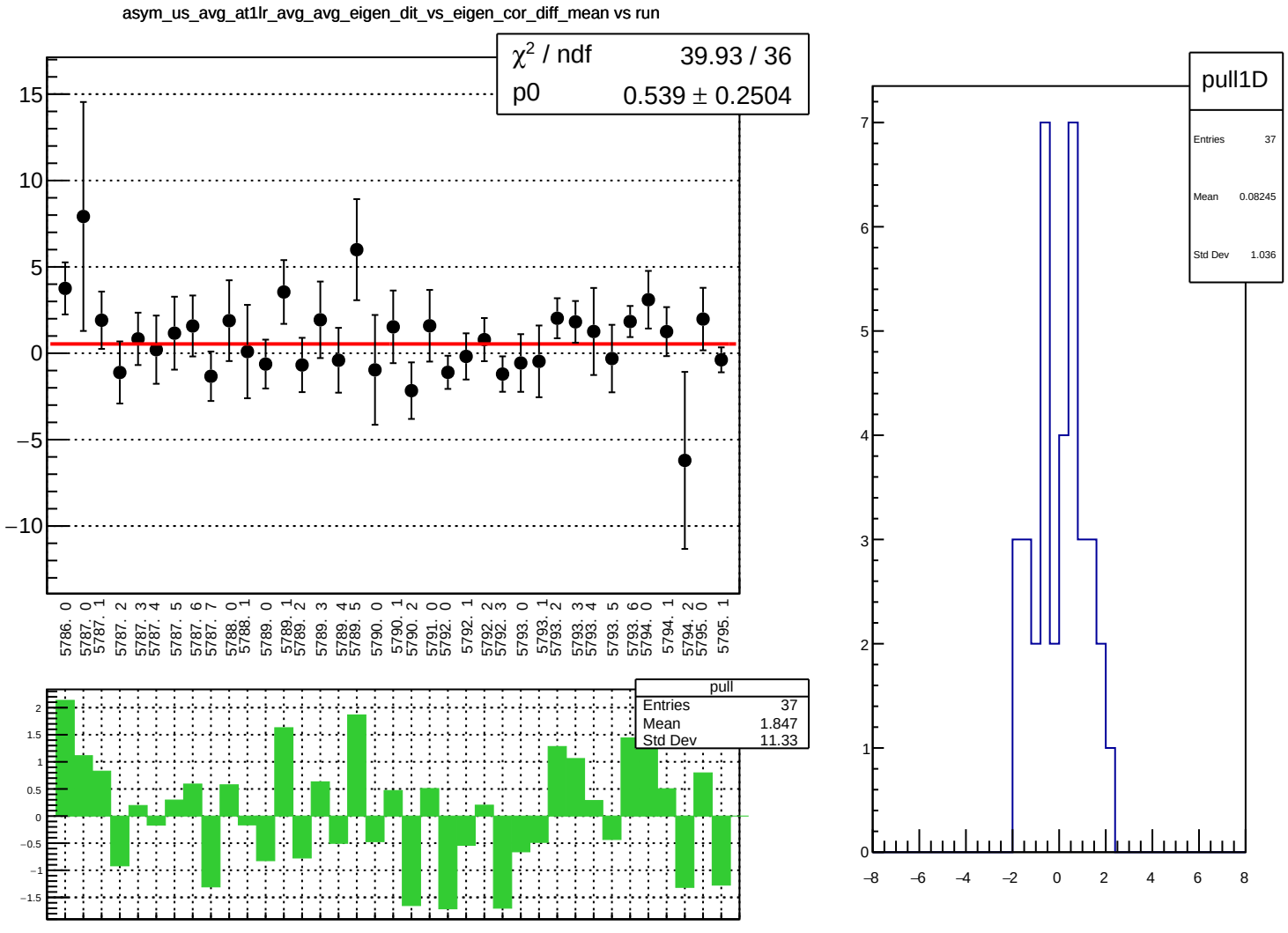

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.55 / 36
p0 1.755e−05 ± 1.006e−05
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −382.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

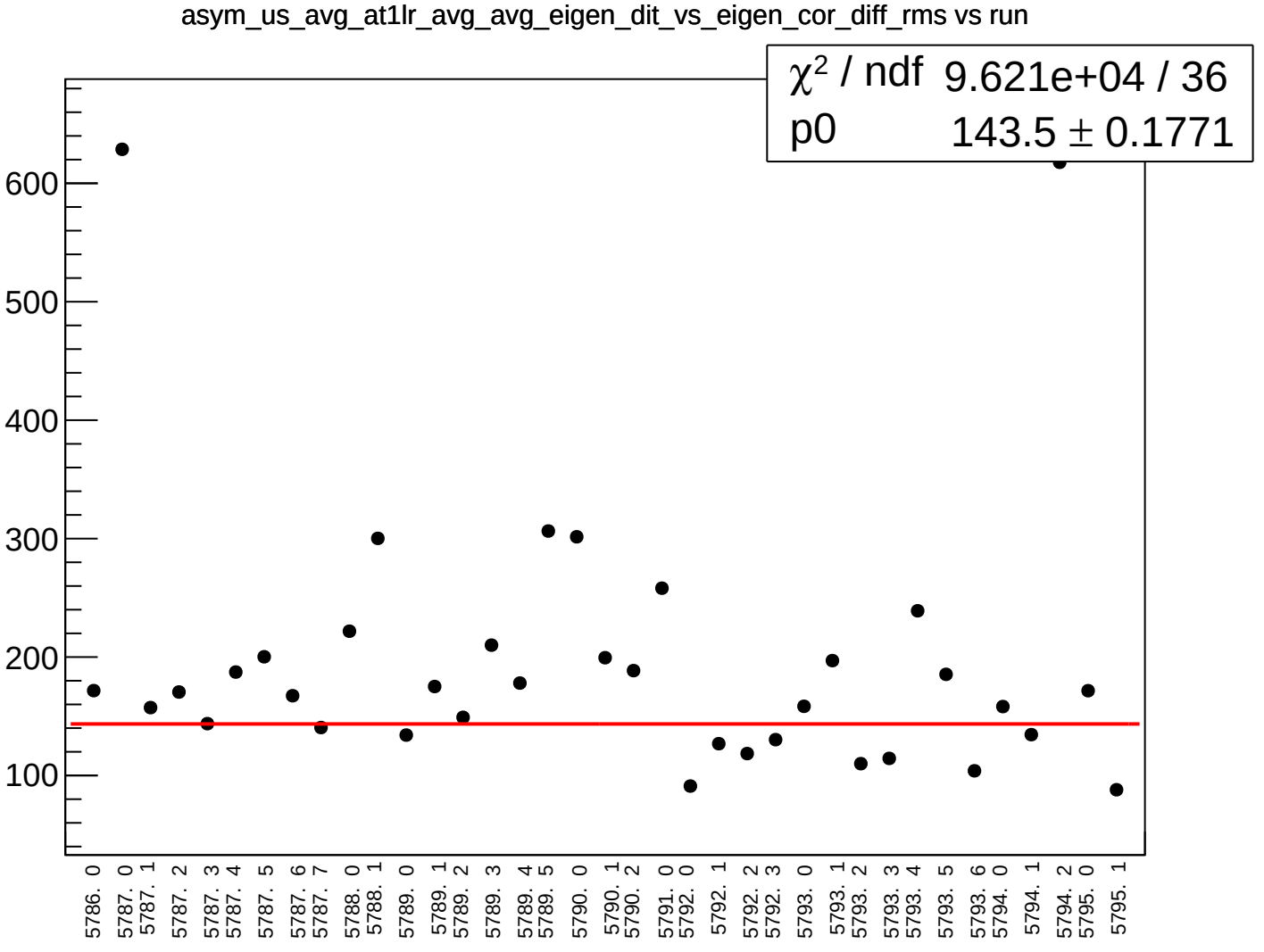

pull1D
Entries 37
Mean 0.002844
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

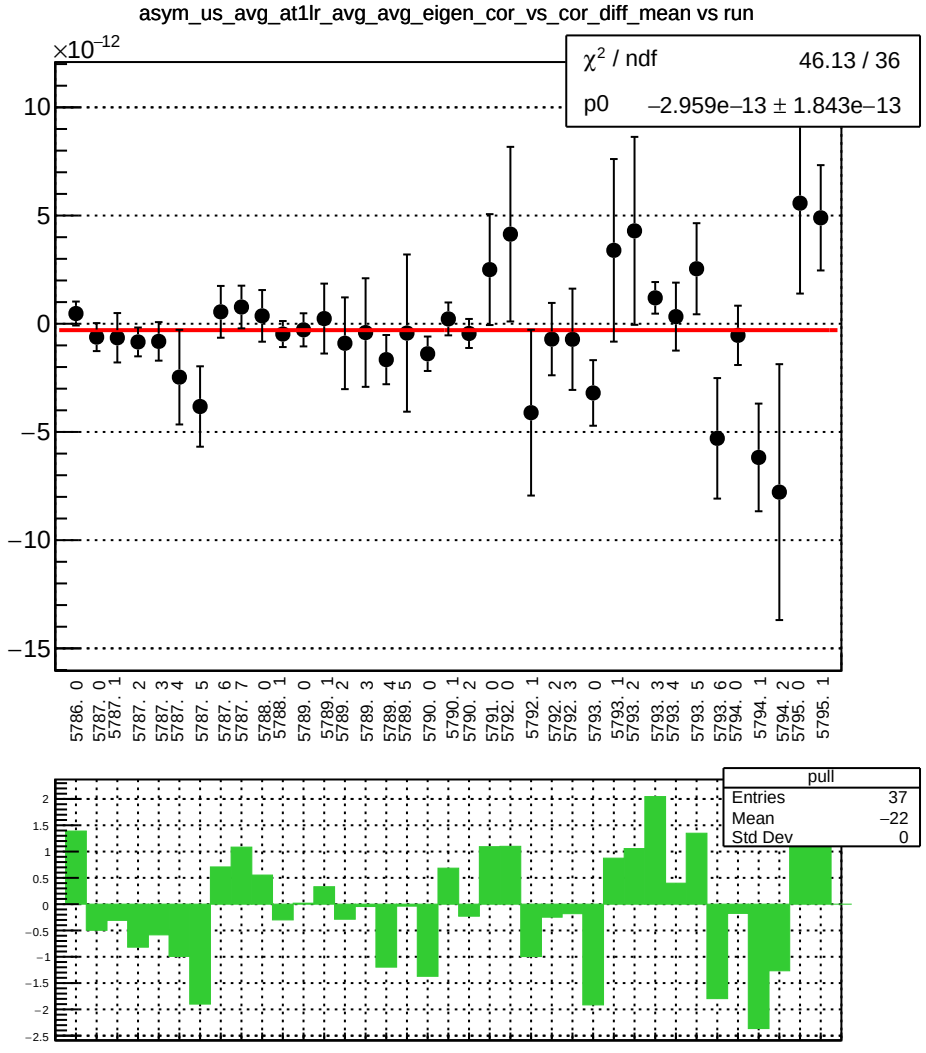

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5152 / 36
p0 0.006153 ± 7.116e−06
0.0075
0.007
0.0065
0.006
0.0055
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

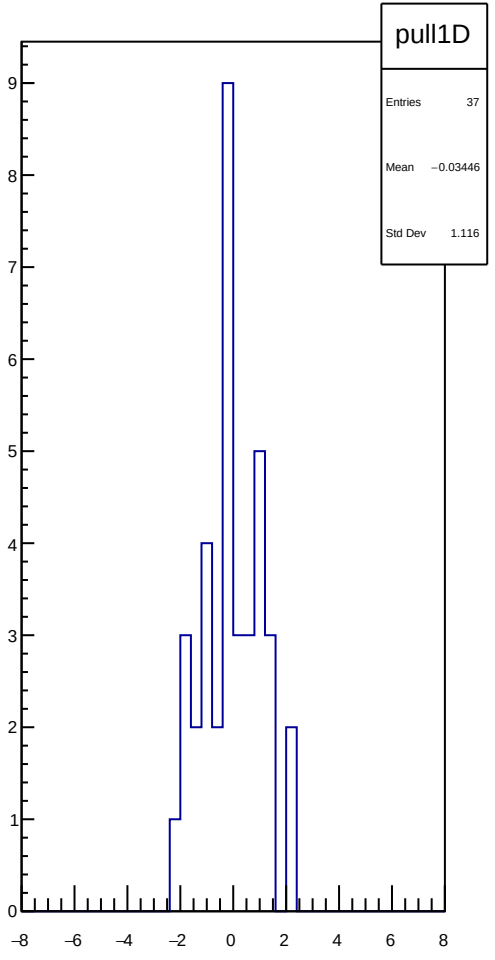

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.93 / 36
p0 0.539 ± 0.2504
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.847
Std Dev 11.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08245
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

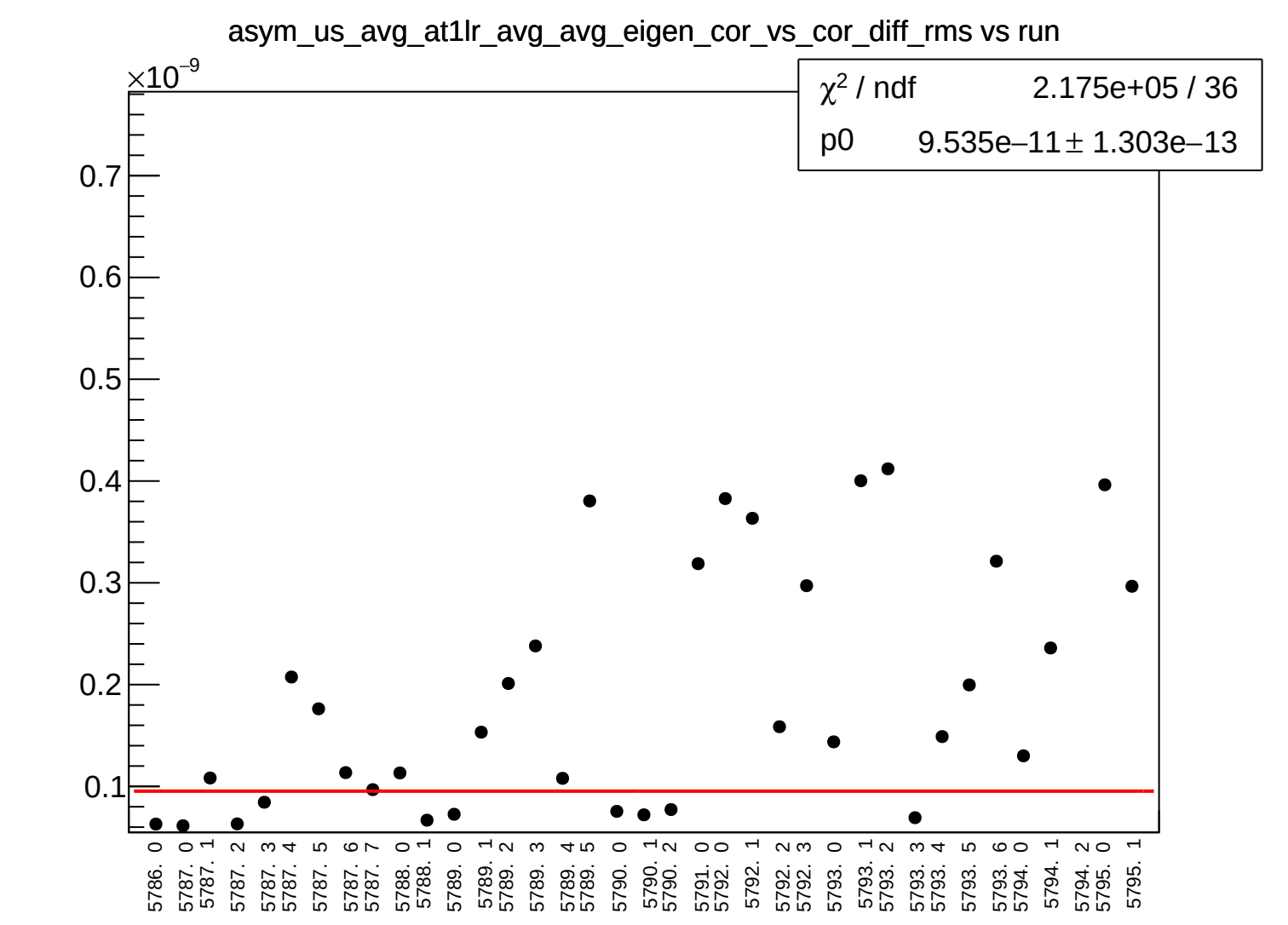

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 36
p0 143.5 ± 0.1771
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

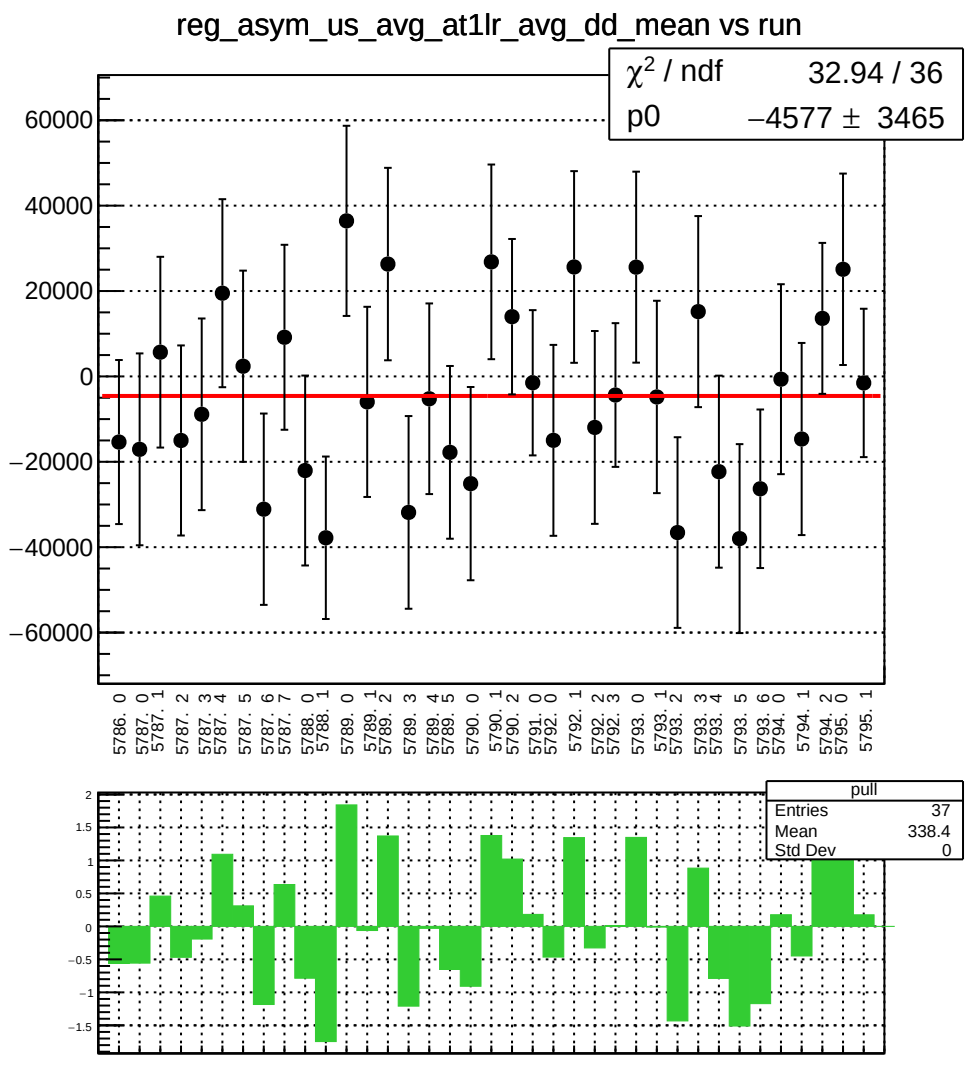

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.93 / 36
p0 0.539 ± 0.2504
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.847
Std Dev 11.33
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.08245
Std Dev 1.036
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

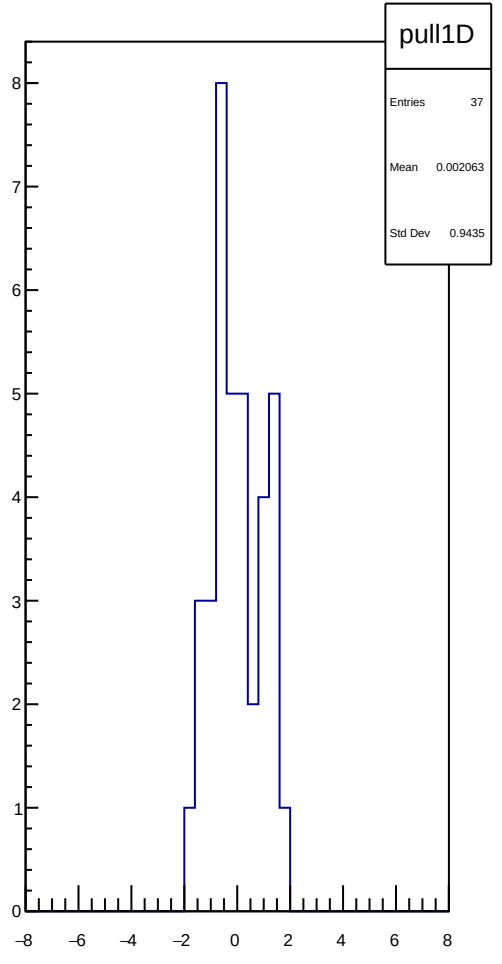

asym_us_avg_at1lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.621e+04 / 36
p0 143.5 ± 0.1771
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

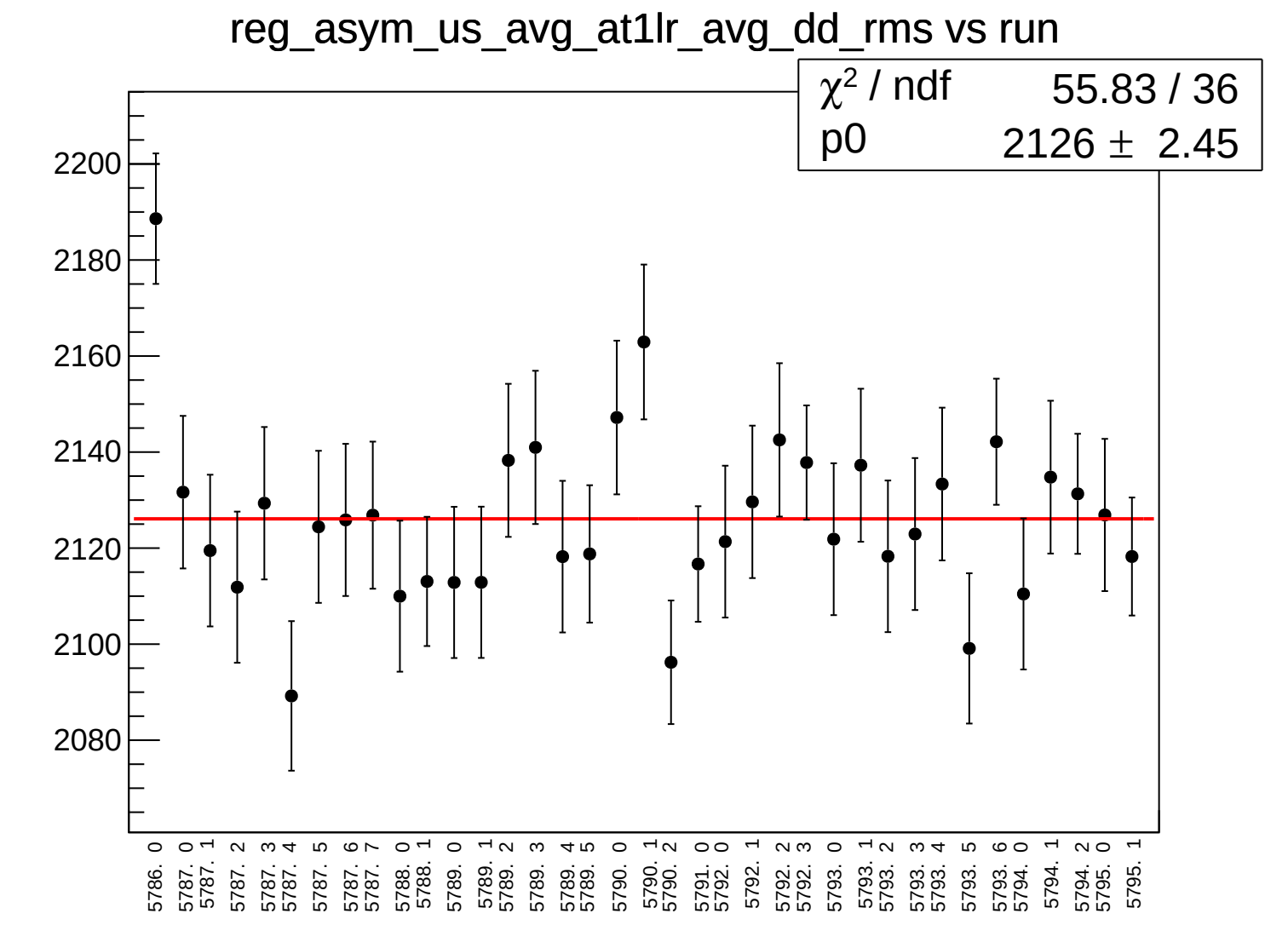

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.13 / 36
p0 −2.959e−13 ± 1.843e−13
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

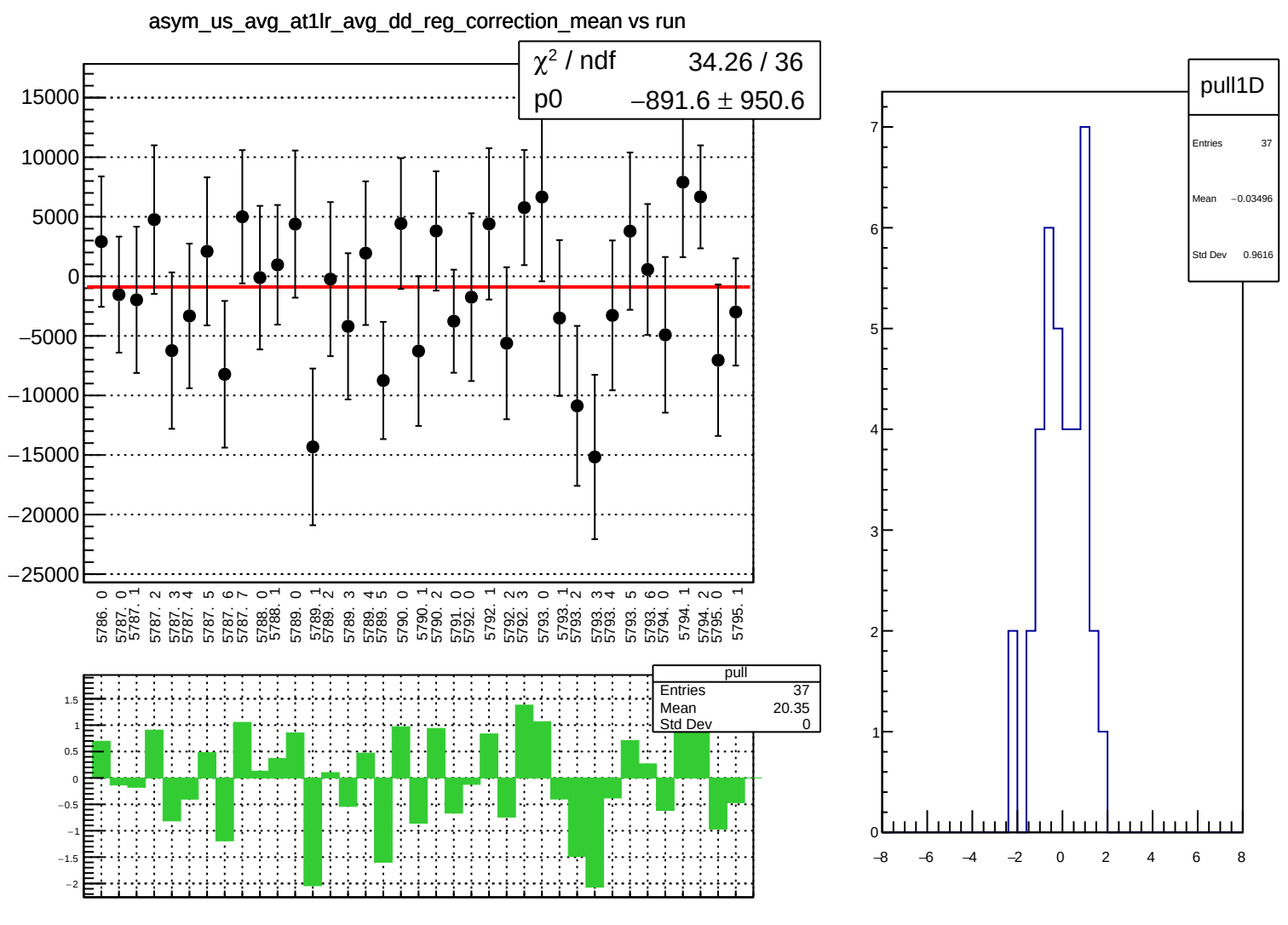

pull1D
Entries 37
Mean −0.03446
Std Dev 1.116
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

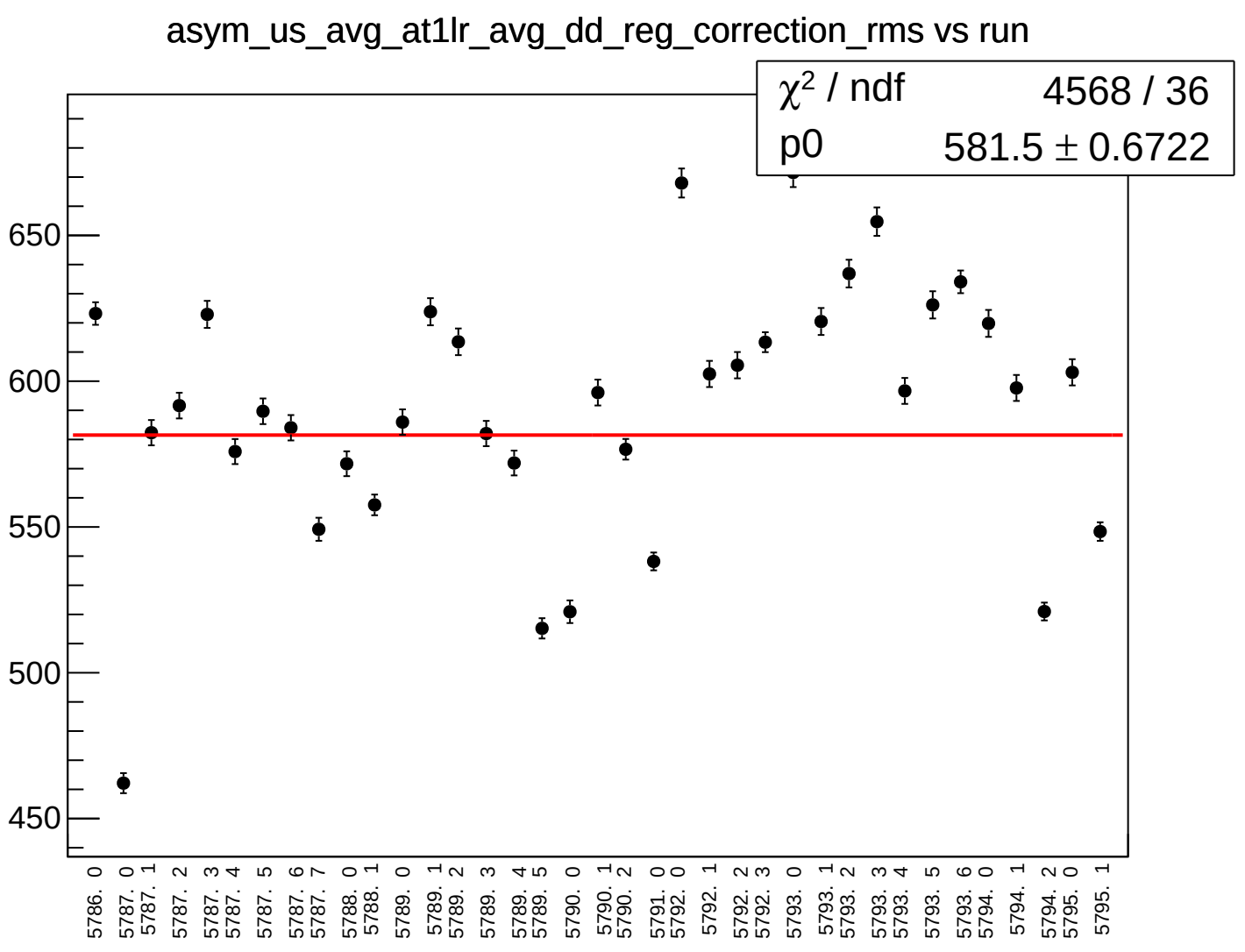

asym_us_avg_at1lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.175e+05 / 36
p0 9.535e−11 ± 1.303e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

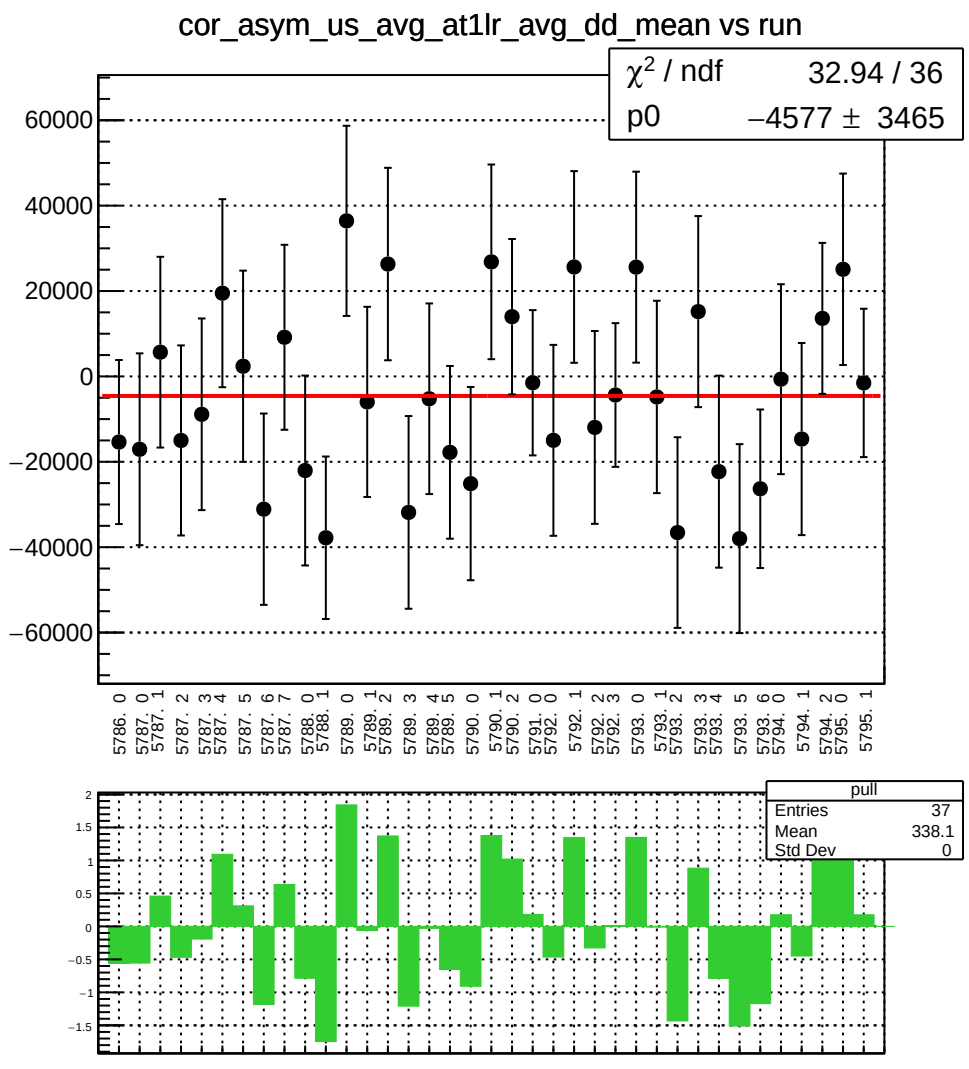

reg_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.94 / 36
p0 −4577 ± 3465
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 338.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

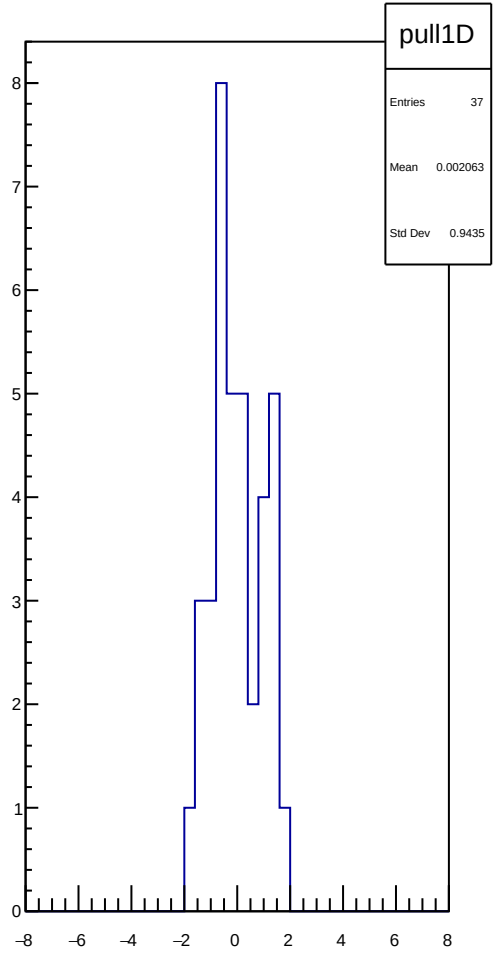

pull1D
Entries 37
Mean 0.002063
Std Dev 0.9435
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

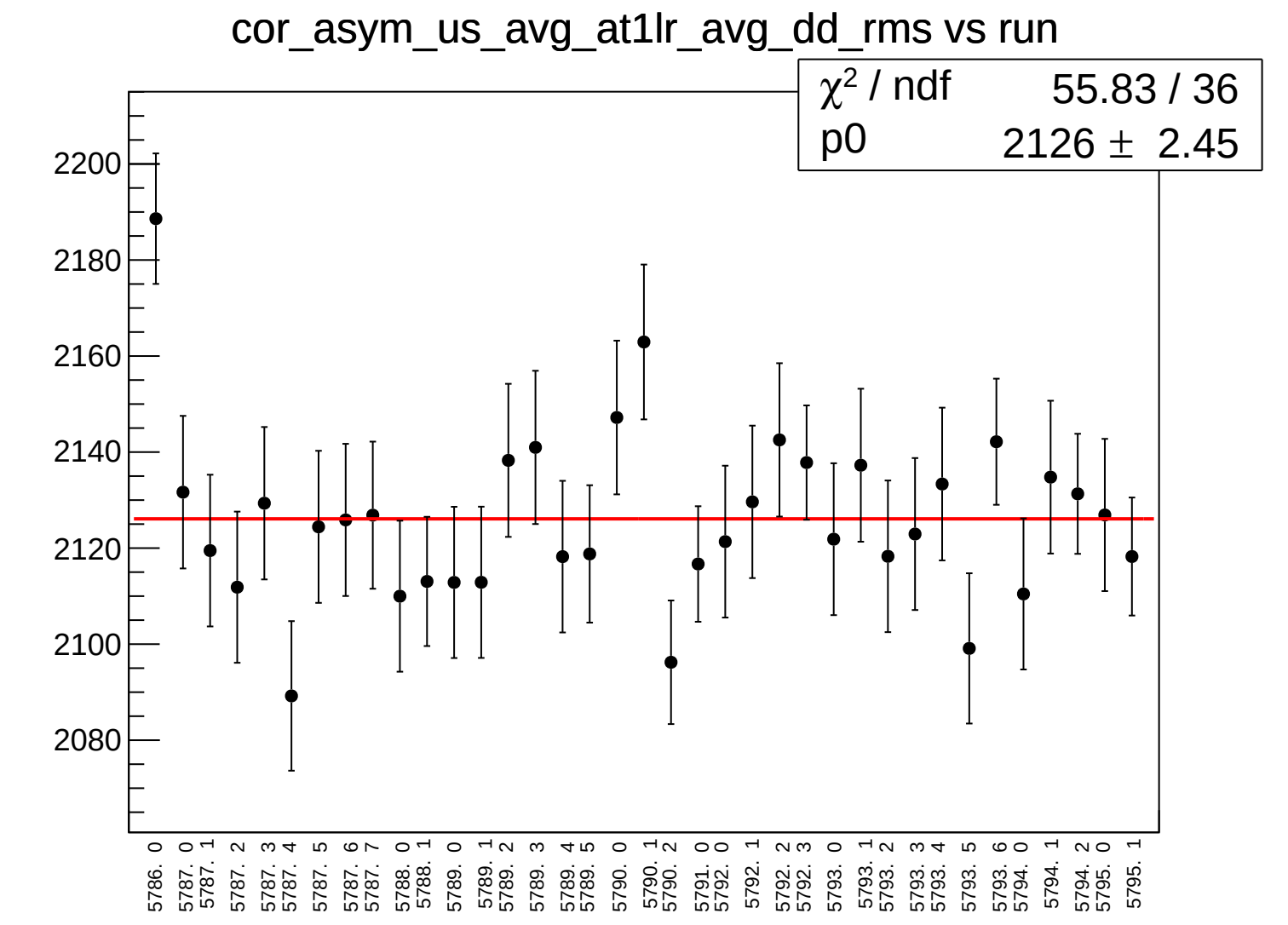

reg_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 55.83 / 36
p0 2126 ± 2.45
2200
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

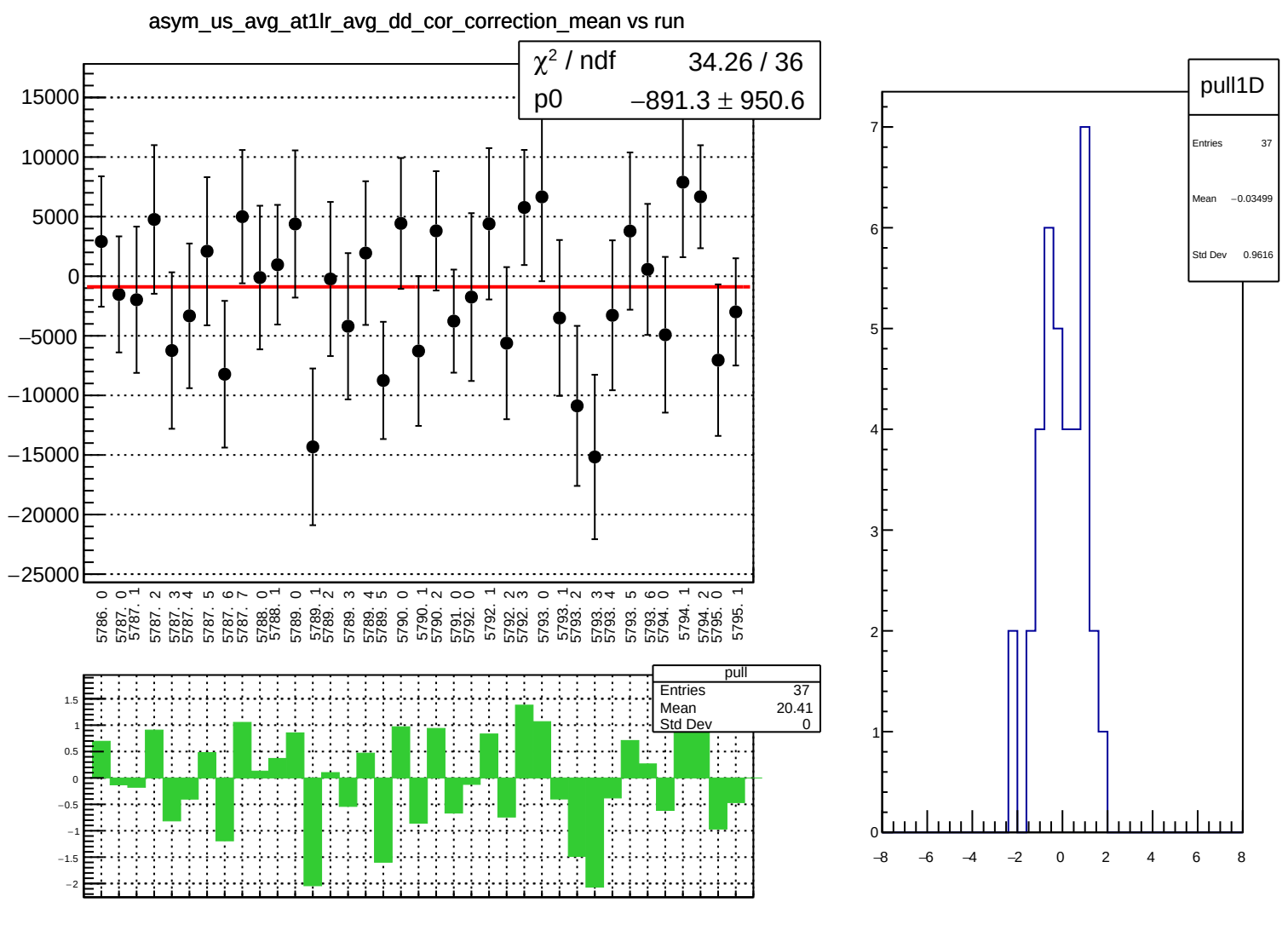

asym_us_avg_at1lr_avg_dd_reg_correction_mean vs run
χ² / ndf 34.26 / 36
p0 −891.6 ± 950.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.35
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03496
Std Dev 0.9616
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

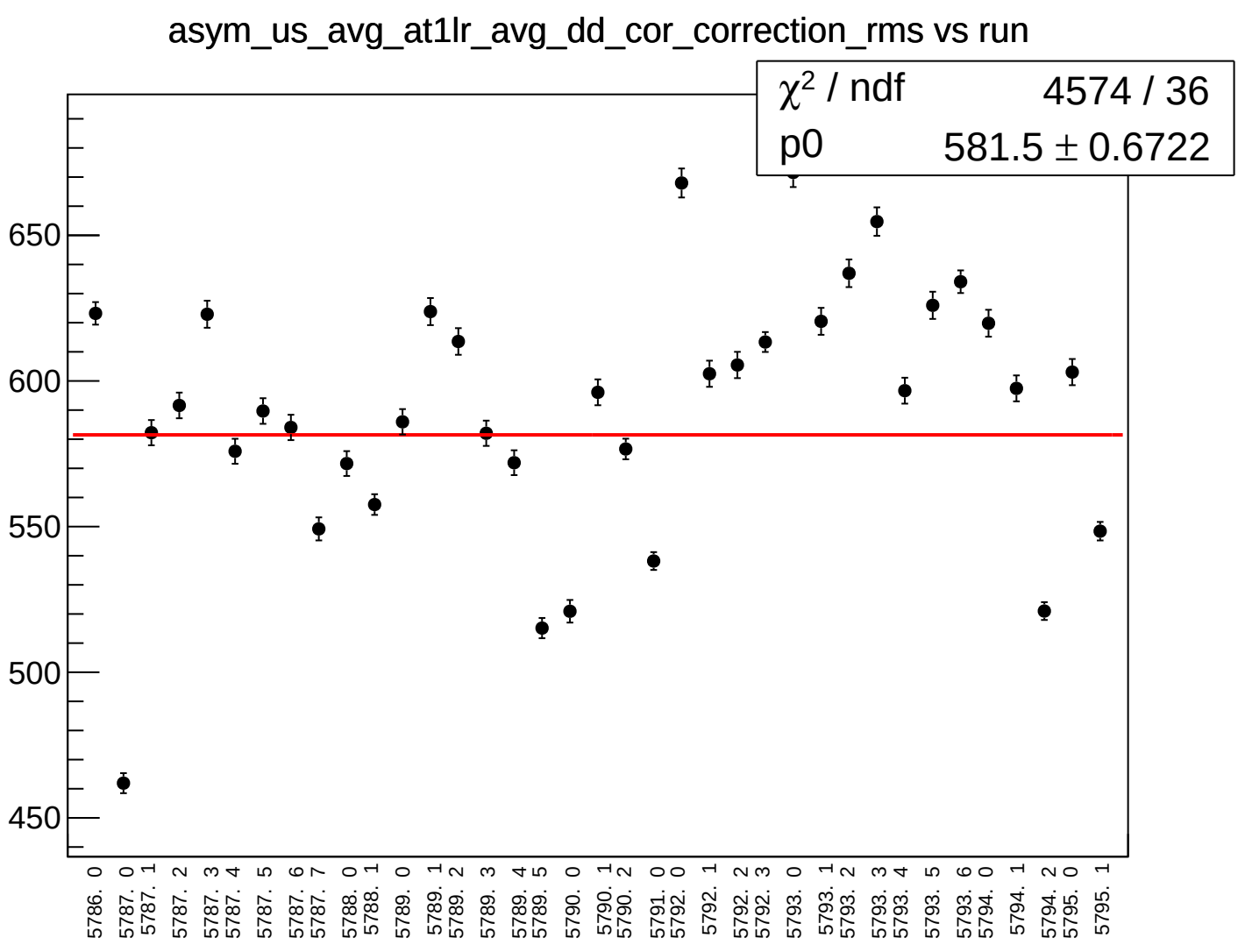

asym_us_avg_at1lr_avg_dd_reg_correction_rms vs run
χ² / ndf 4568 / 36
p0 581.5 ± 0.6722
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

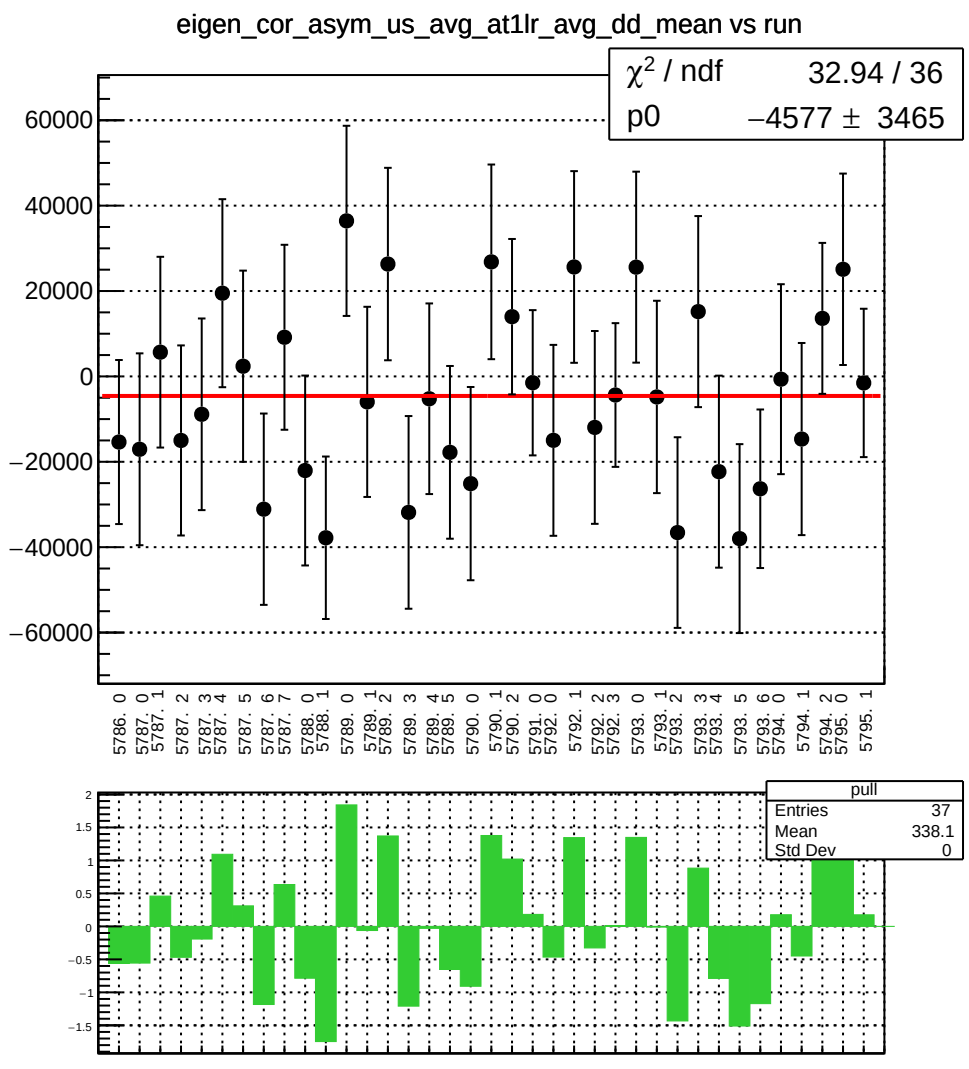

cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.94 / 36
p0 −4577 ± 3465
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 338.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

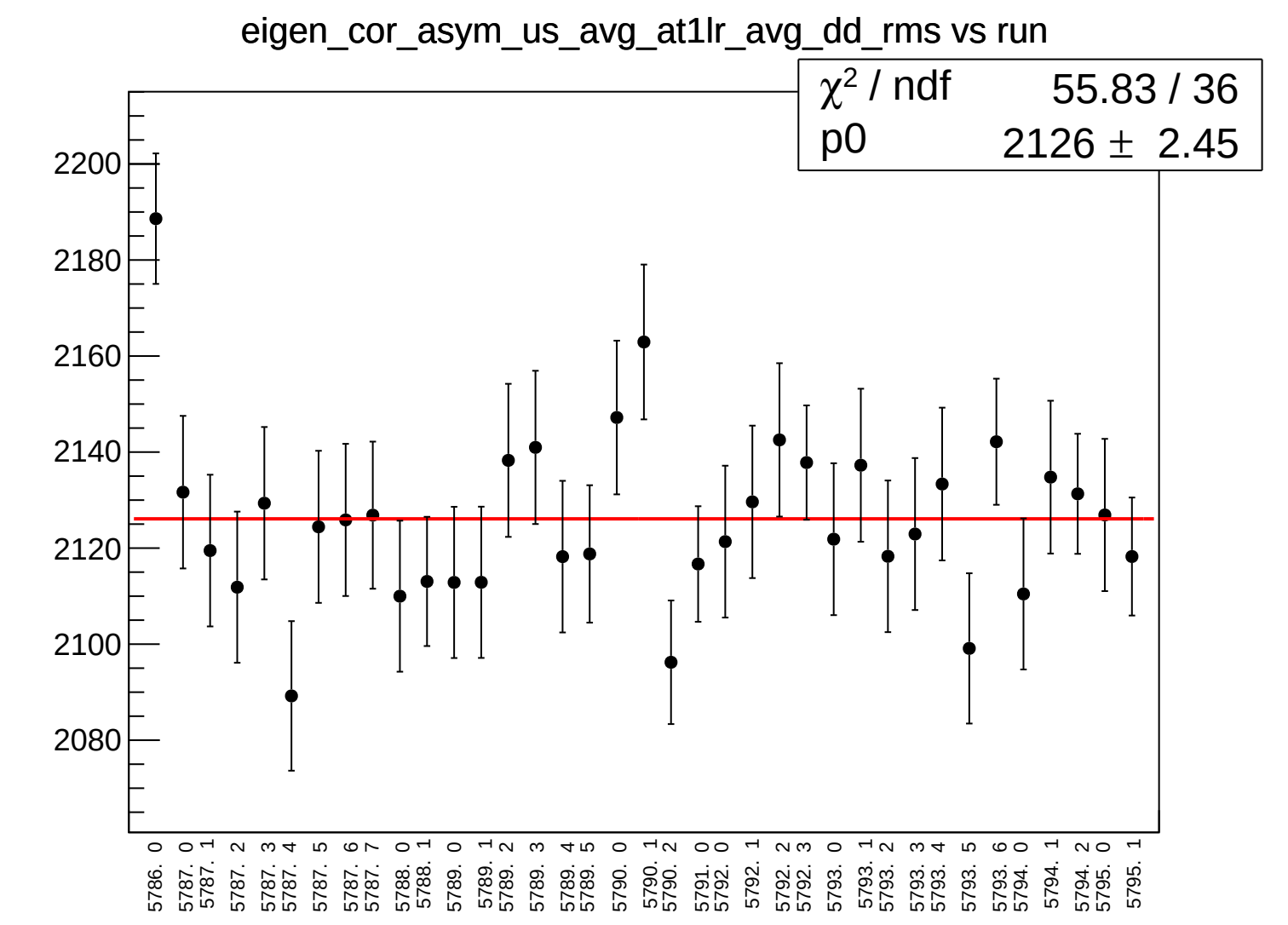

pull1D
Entries 37
Mean 0.002063
Std Dev 0.9435
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

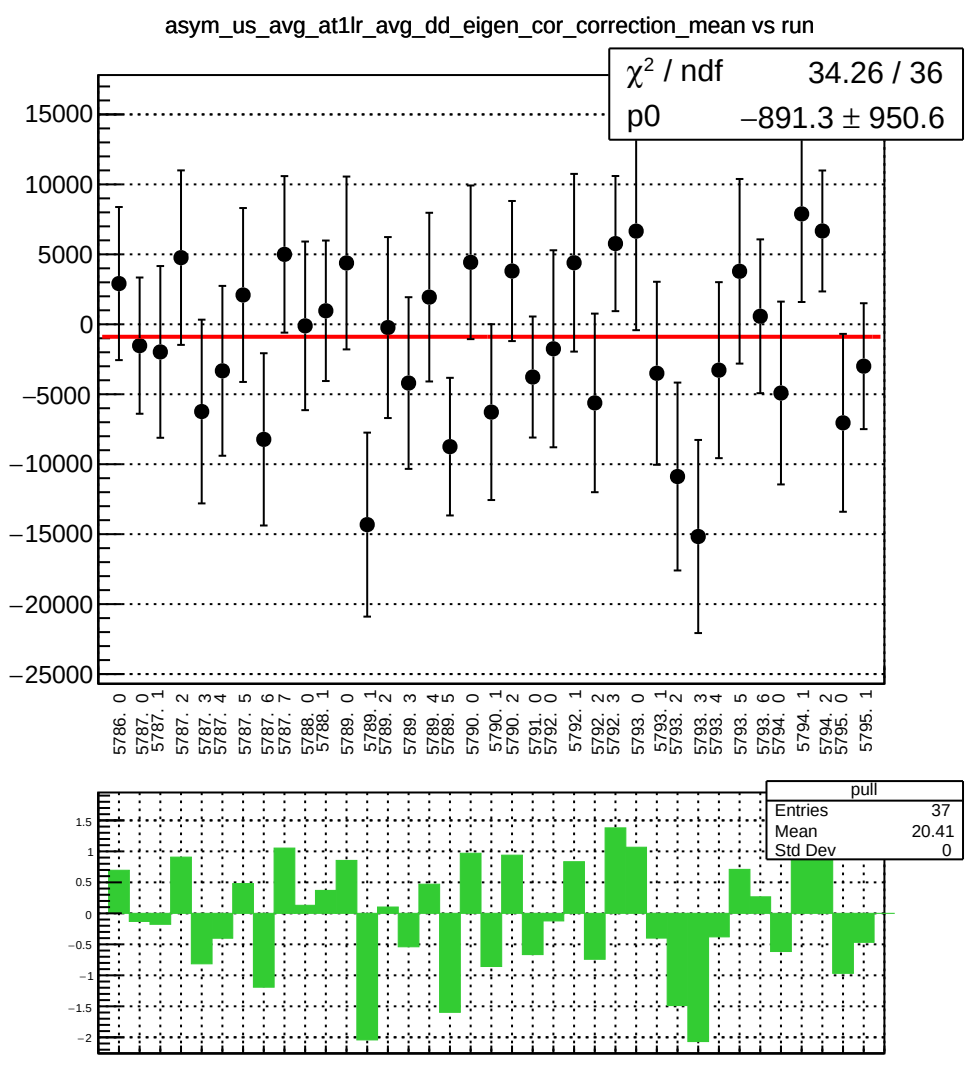

cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 55.83 / 36
p0 2126 ± 2.45
2200
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

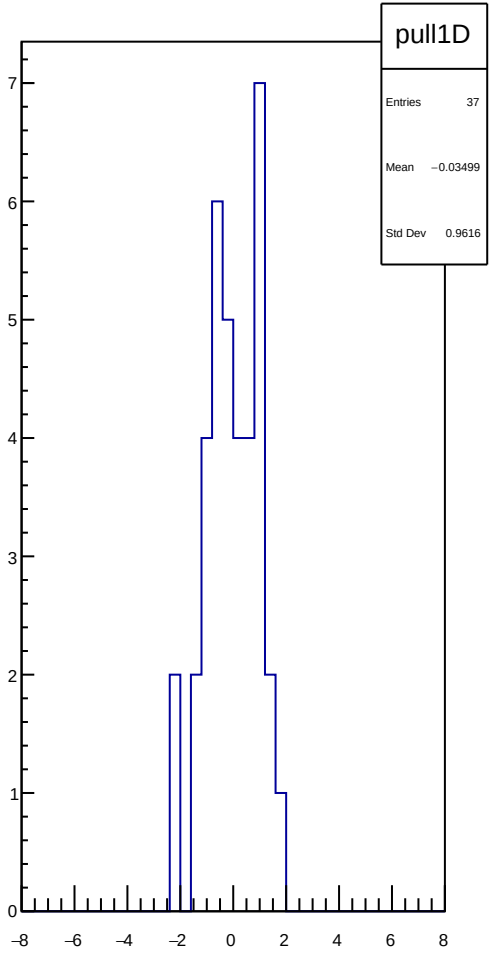

asym_us_avg_at1lr_avg_dd_cor_correction_mean vs run
χ² / ndf 34.26 / 36
p0 −891.3 ± 950.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03499
Std Dev 0.9616
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

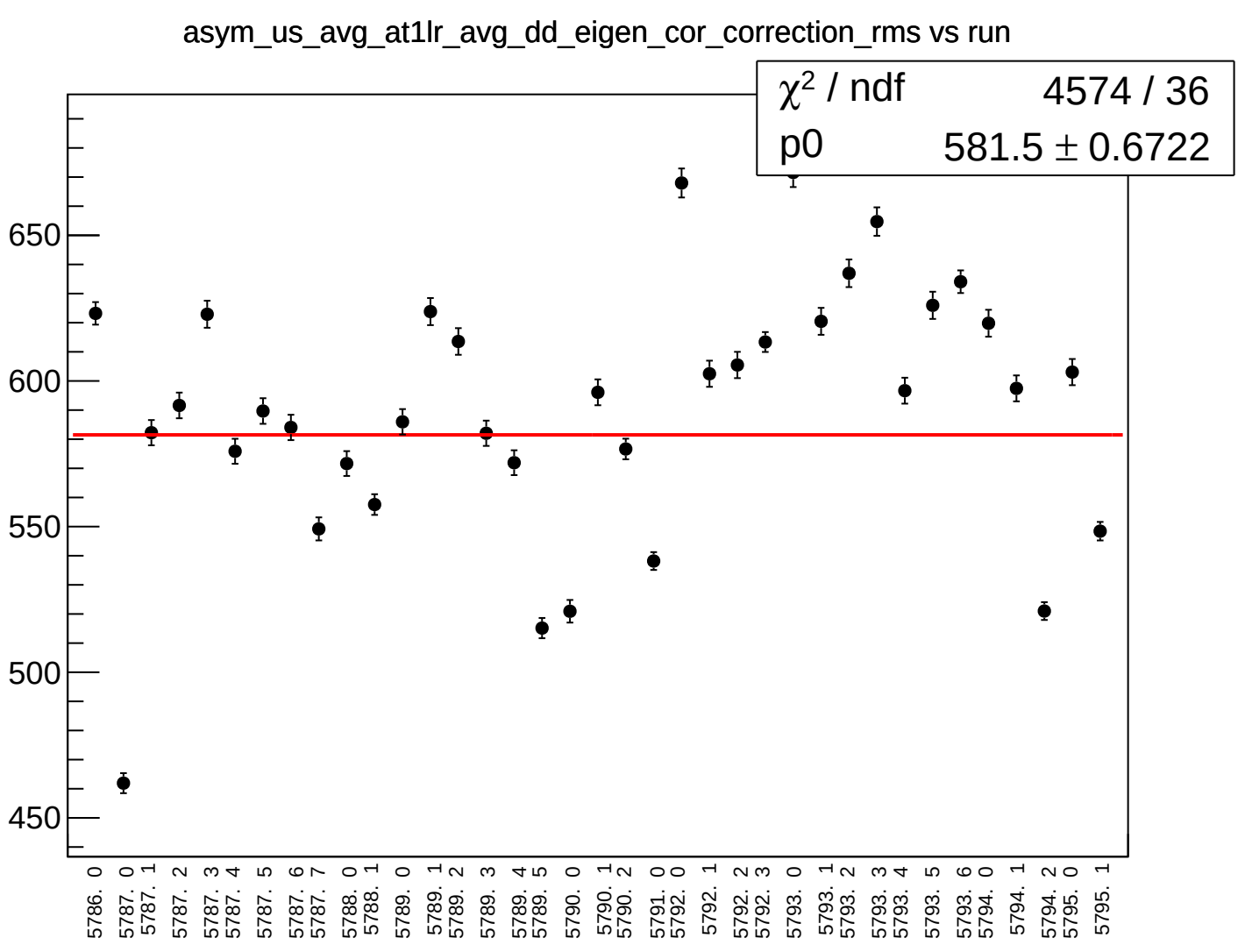

asym_us_avg_at1lr_avg_dd_cor_correction_rms vs run
χ² / ndf 4574 / 36
p0 581.5 ± 0.6722
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

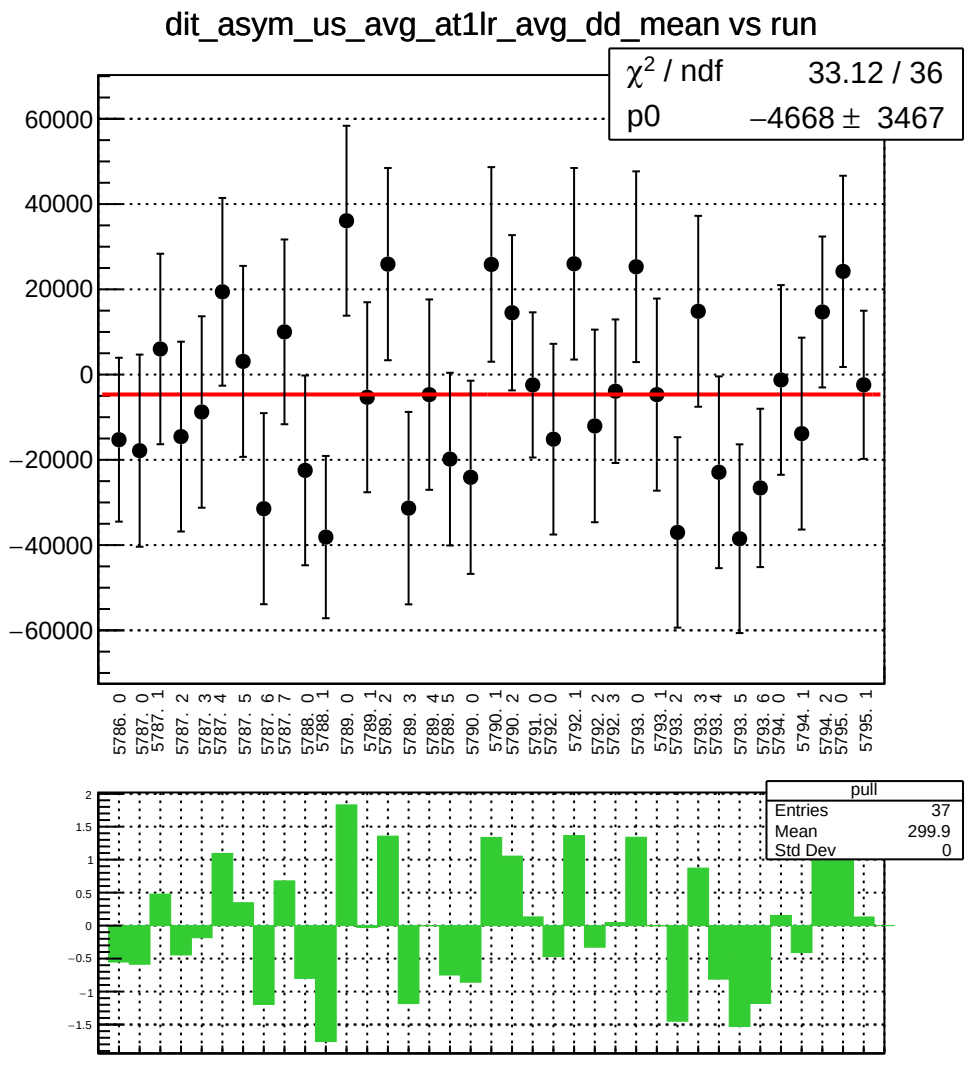

eigen_cor_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 32.94 / 36
p0 −4577 ± 3465
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 338.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.002063
Std Dev 0.9435
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

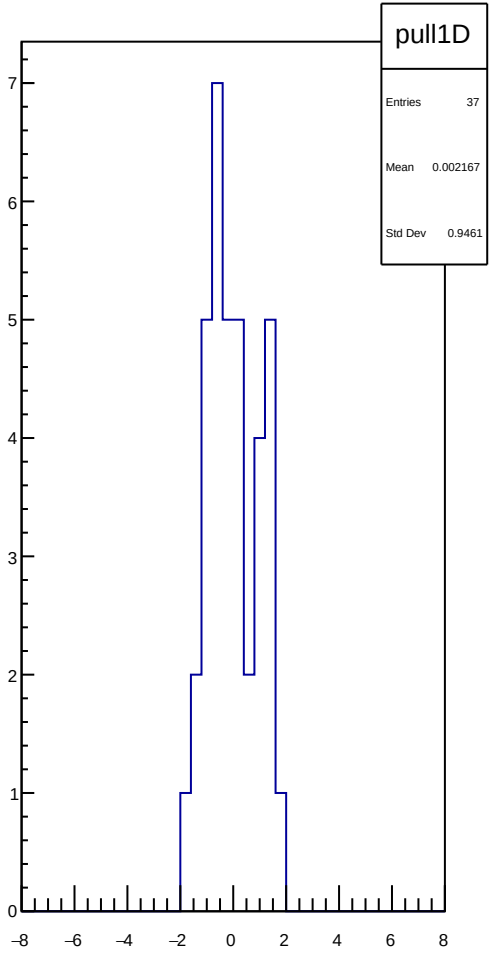

eigen_cor_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 55.83 / 36
p0 2126 ± 2.45
2200
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

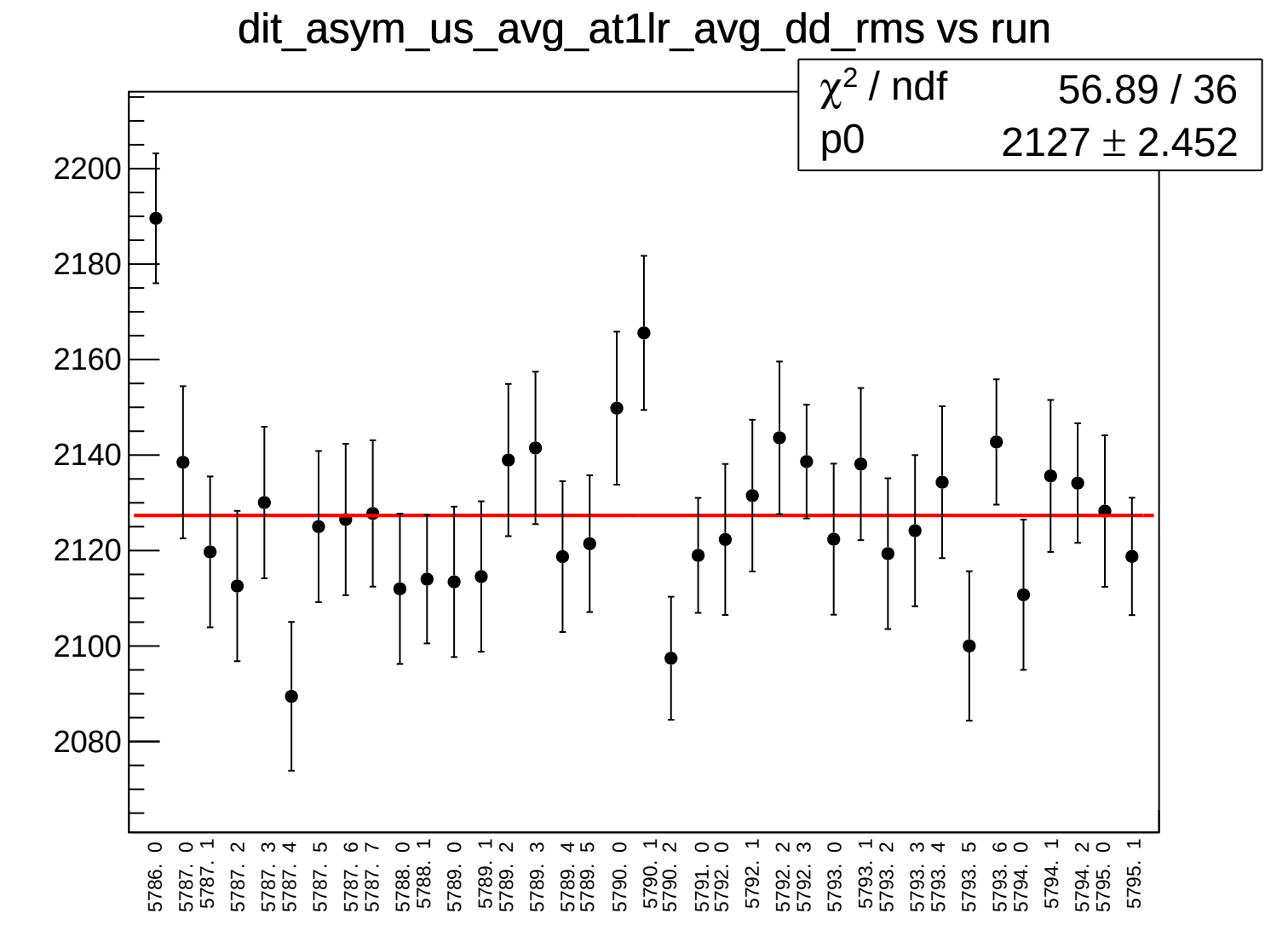

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.26 / 36
p0 −891.3 ± 950.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.41
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

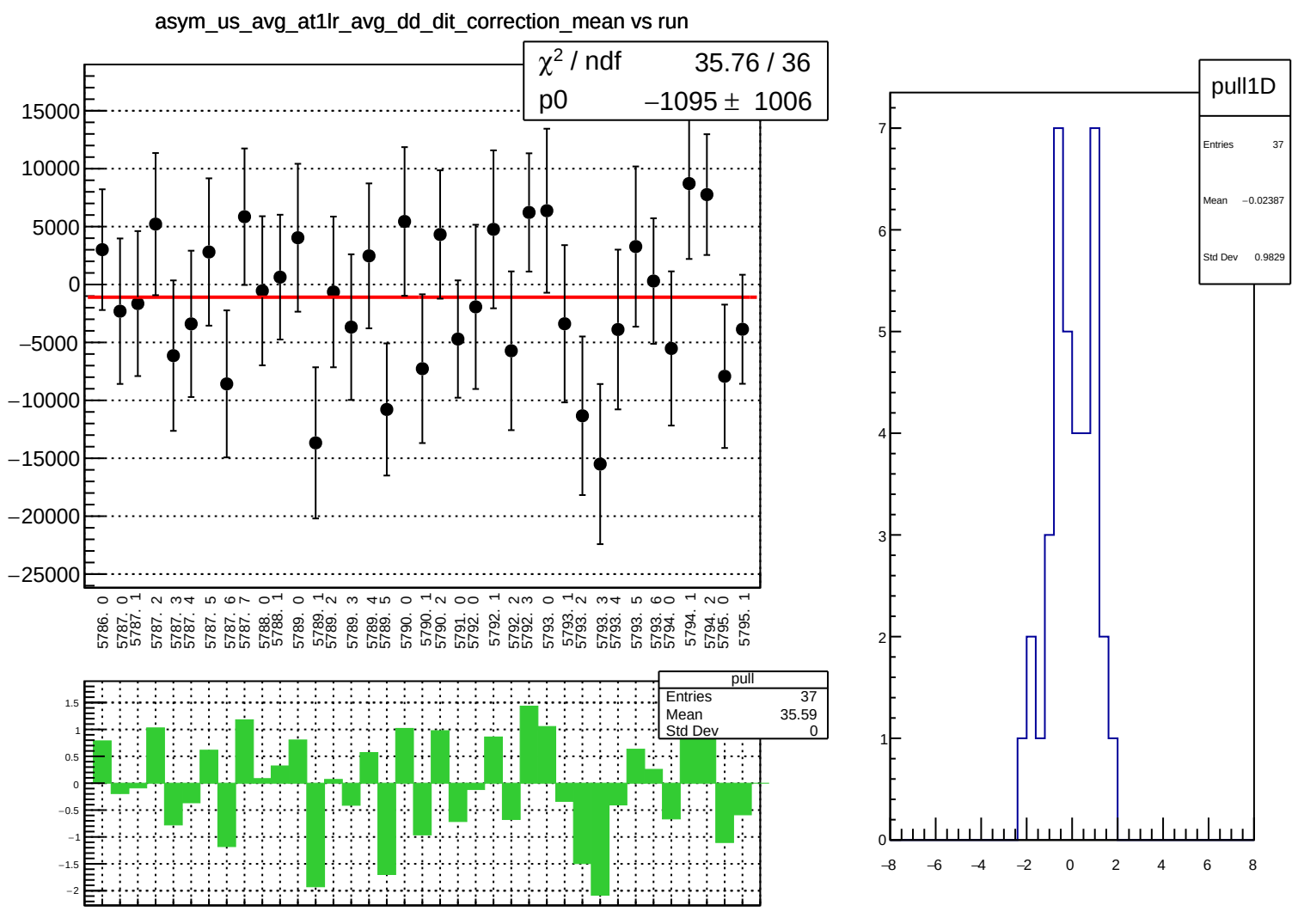

pull1D
Entries 37
Mean −0.03499
Std Dev 0.9616
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

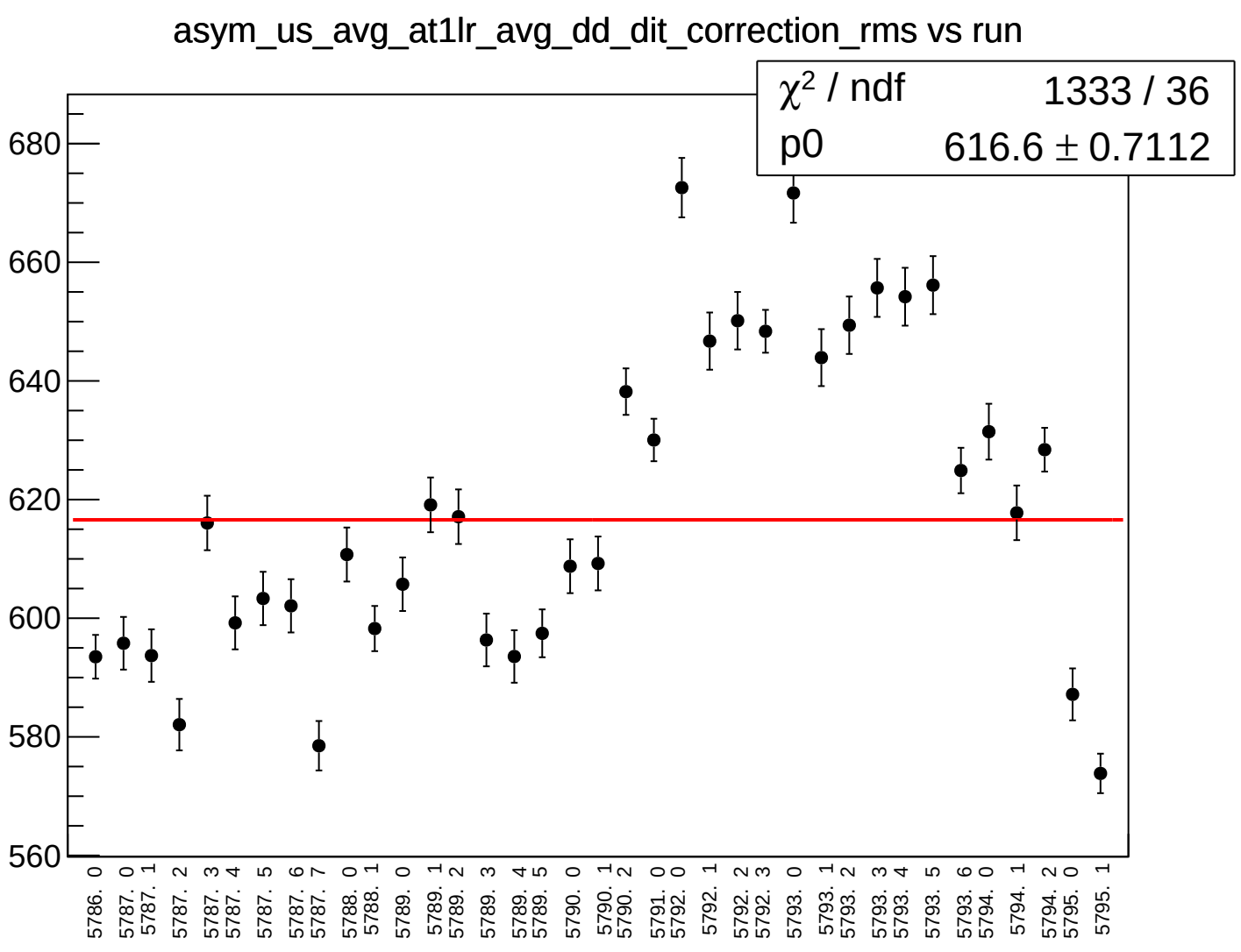

asym_us_avg_at1lr_avg_dd_eigen_cor_correction_rms vs run
χ² / ndf 4574 / 36
p0 581.5 ± 0.6722
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

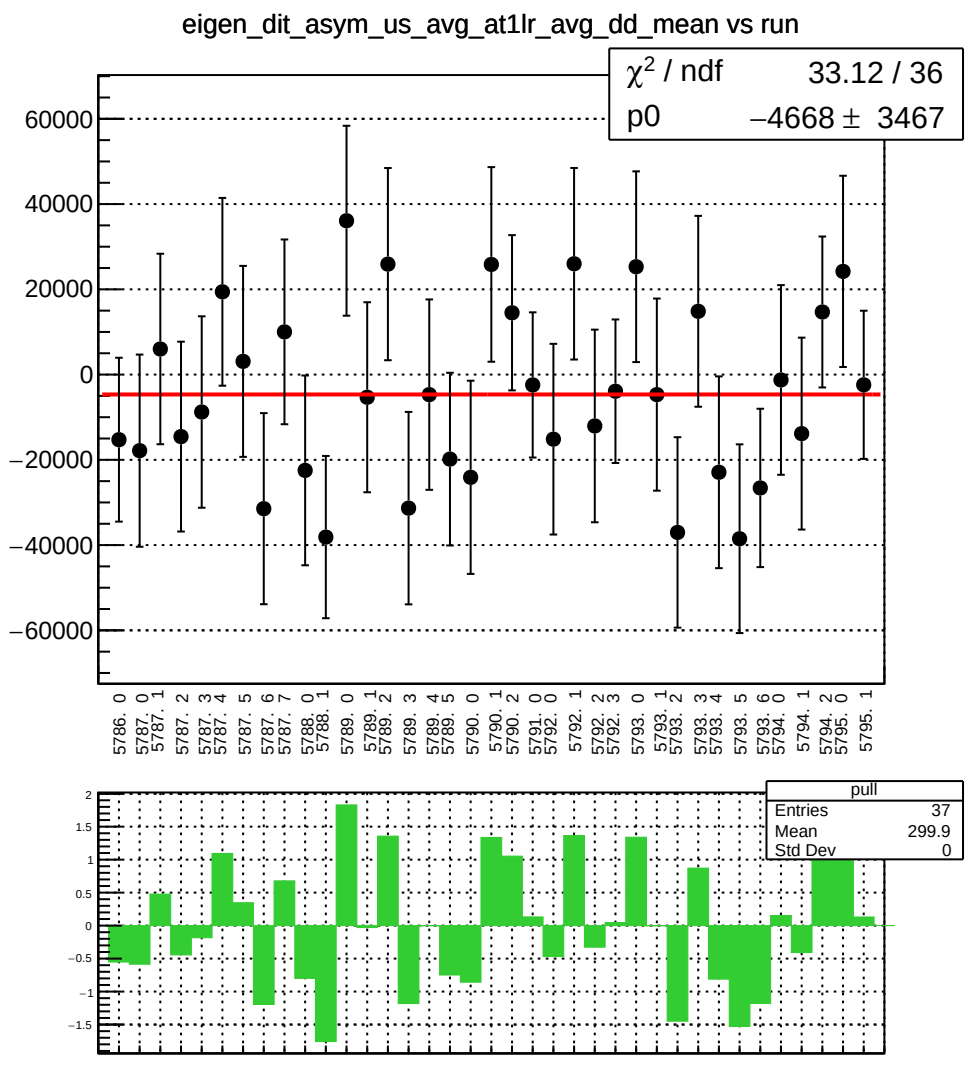

dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 33.12 / 36
p0 −4668 ± 3467
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 299.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

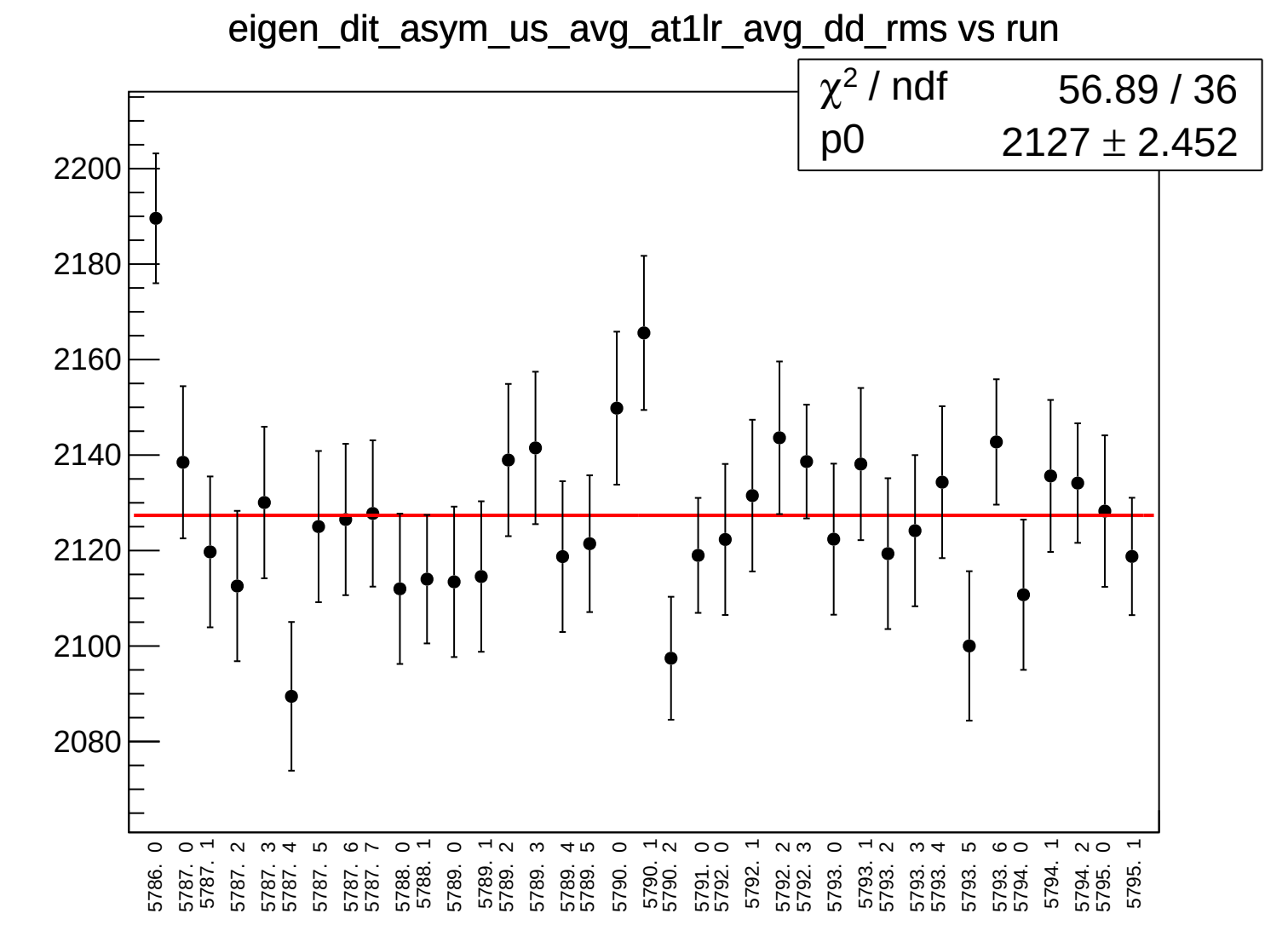

pull1D
Entries 37
Mean 0.002167
Std Dev 0.9461
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

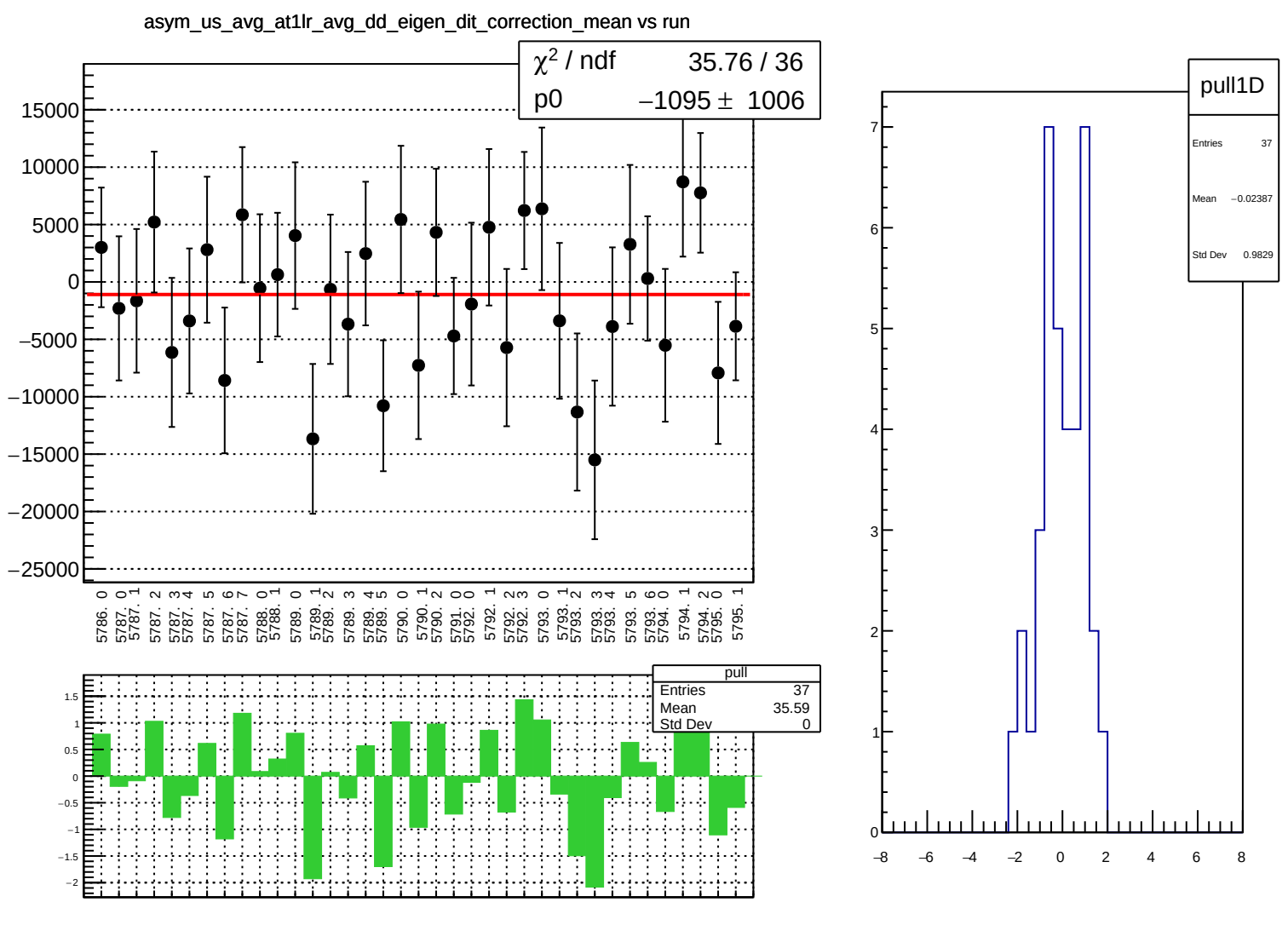

dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 56.89 / 36
p0 2127 ± 2.452
2200
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

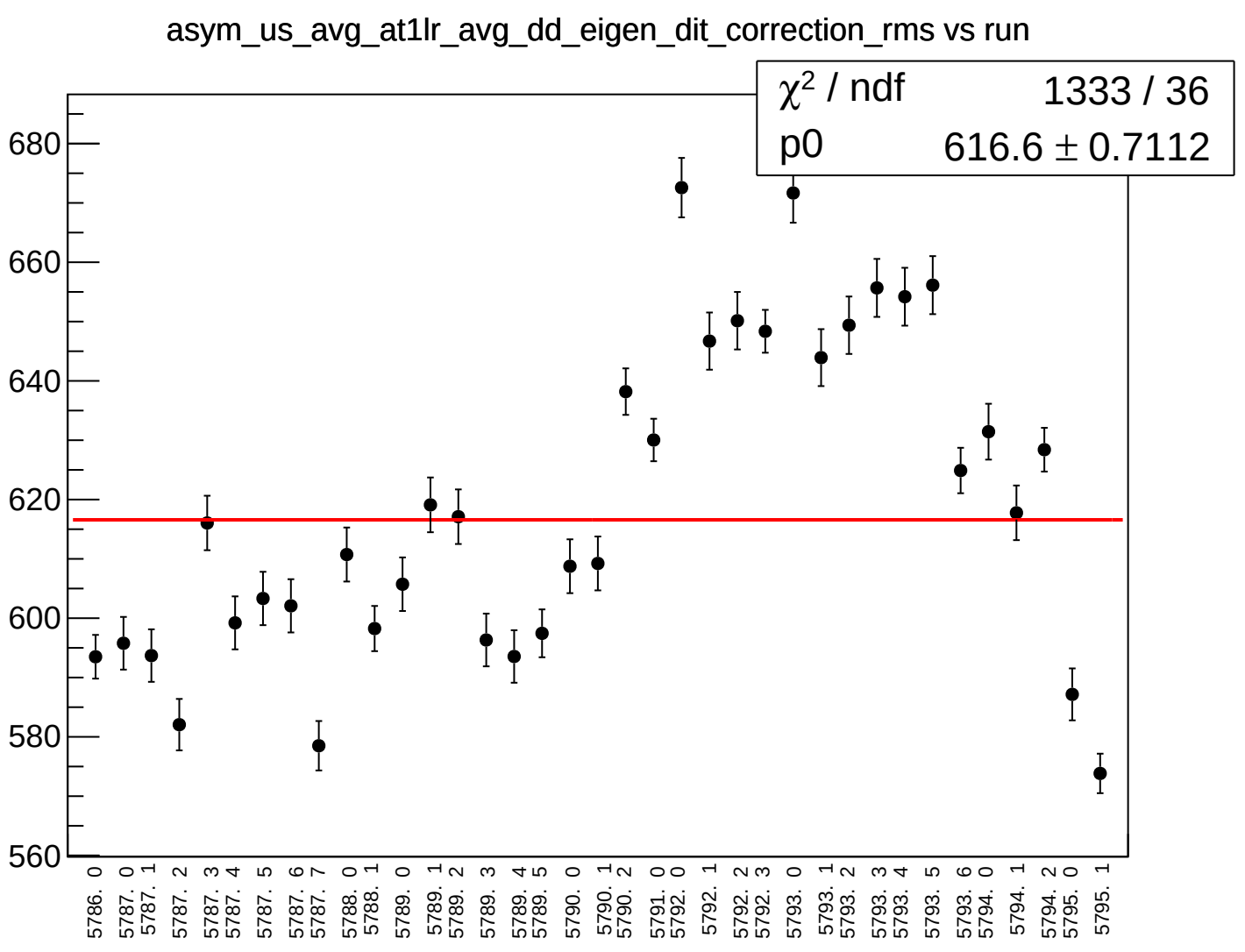

asym_us_avg_at1lr_avg_dd_dit_correction_mean vs run
χ² / ndf 35.76 / 36
p0 −1095 ± 1006
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 35.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02387
Std Dev 0.9829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

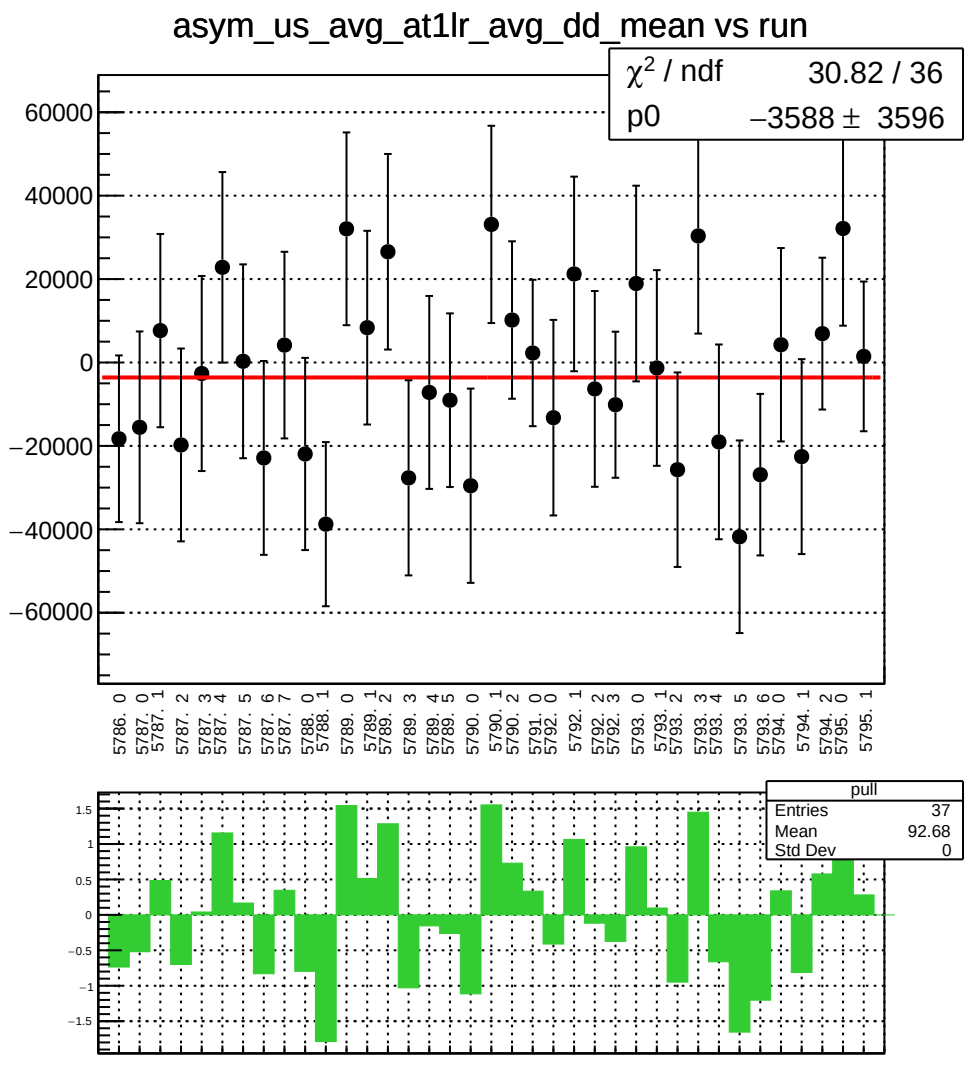

asym_us_avg_at1lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1333 / 36
p0 616.6 ± 0.7112
680
660
640
620
600
580
560
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

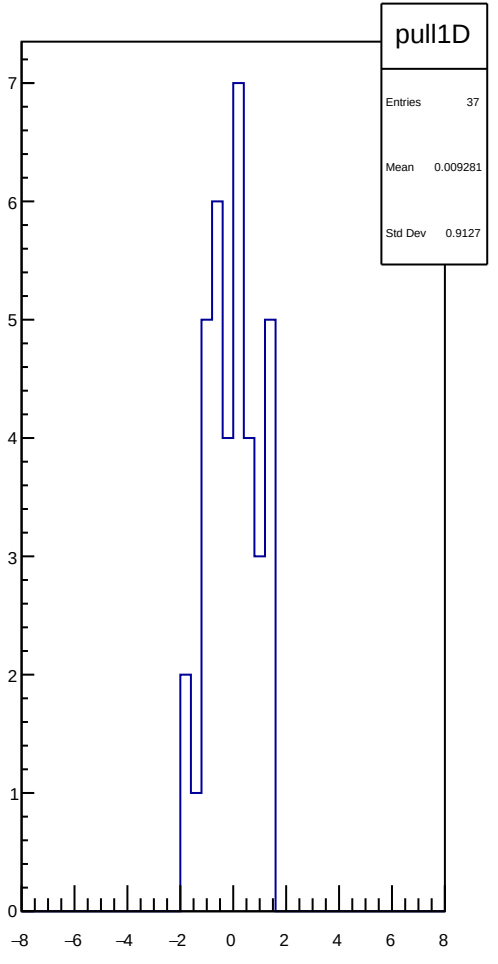

eigen_dit_asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 33.12 / 36
p0 −4668 ± 3467
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 299.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.002167
Std Dev 0.9461
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

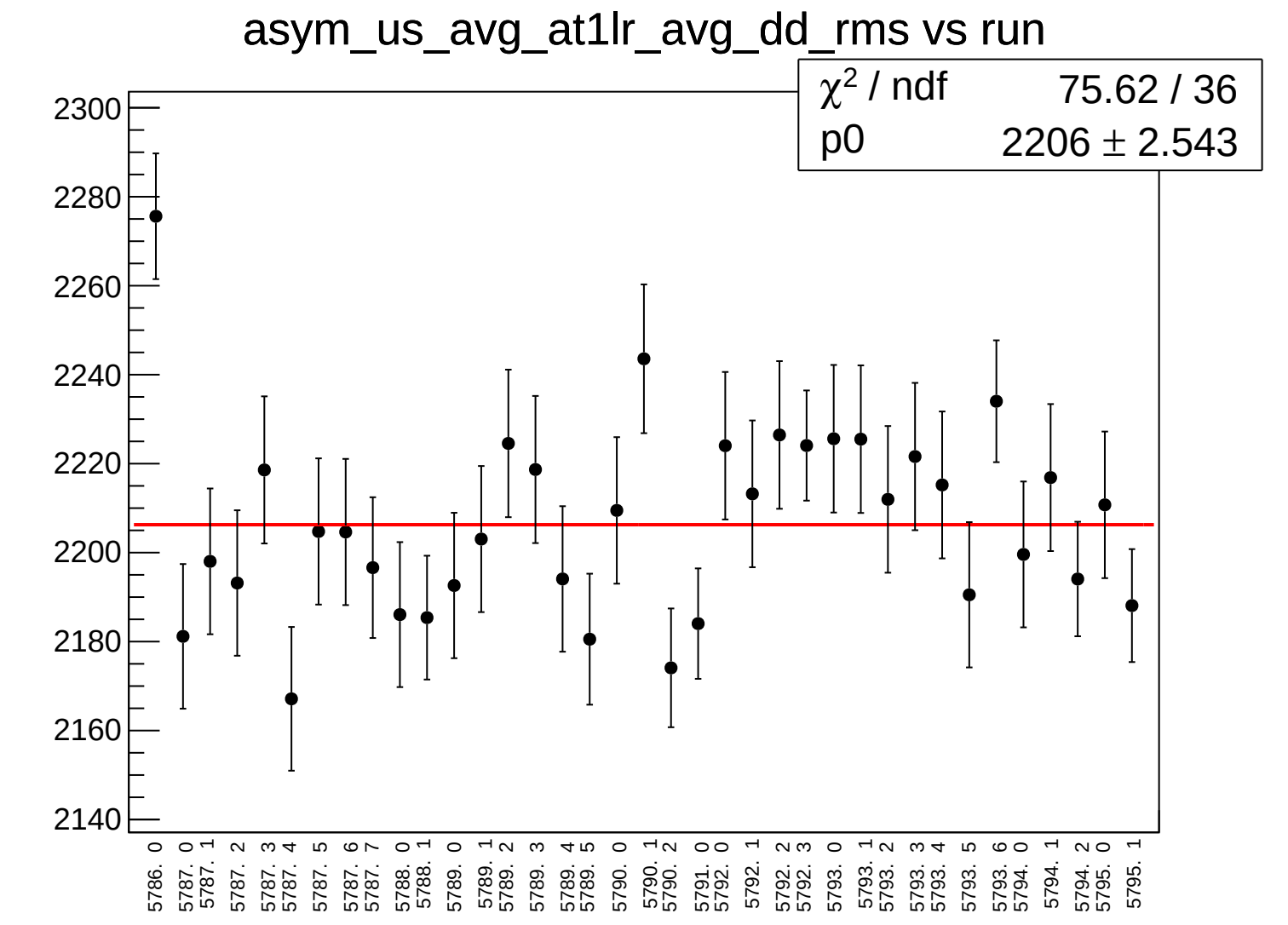

eigen_dit_asym_us_avg_at1lr_avg_dd_rms vs run
χ² / ndf 56.89 / 36
p0 2127 ± 2.452
2200
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

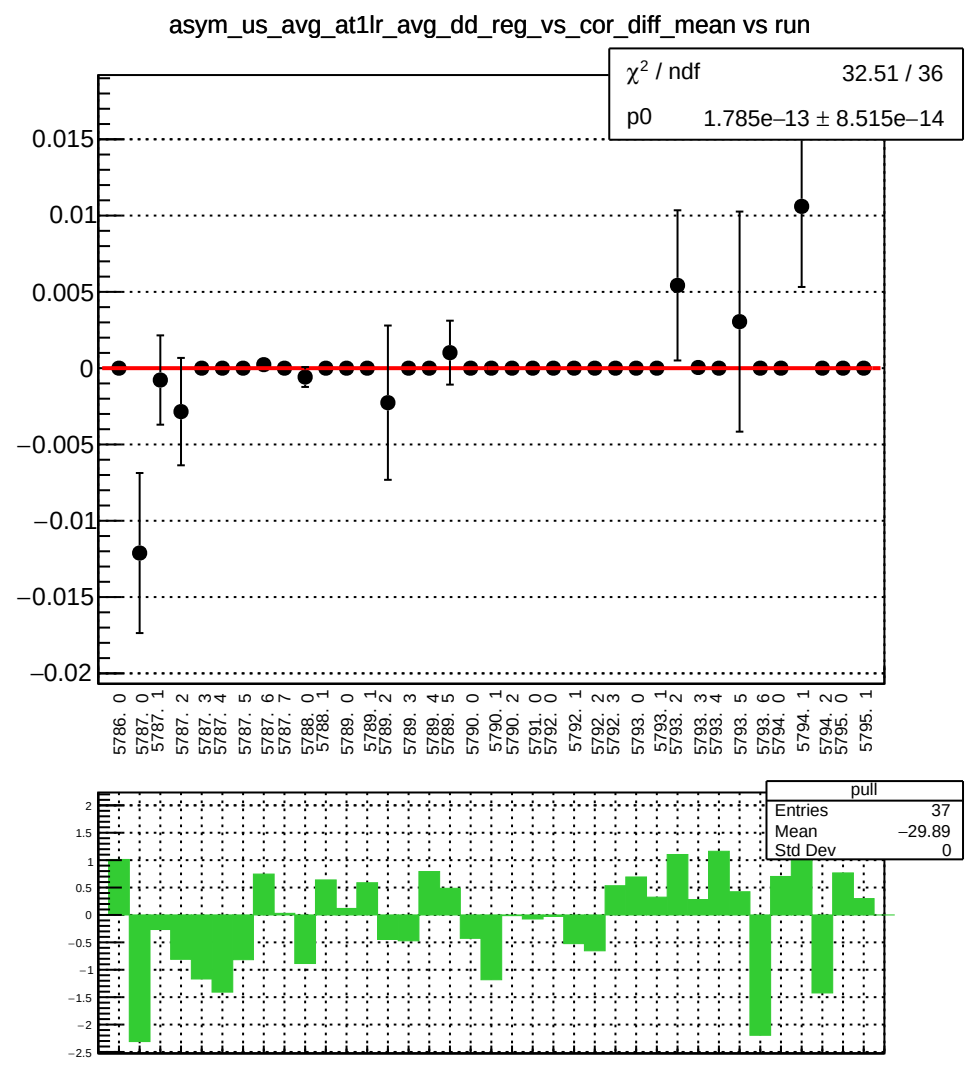

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.76 / 36
p0 −1095 ± 1006
15000
10000
5000
0
−5000
−10000
−15000
−20000
−25000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 35.59
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02387
Std Dev 0.9829
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

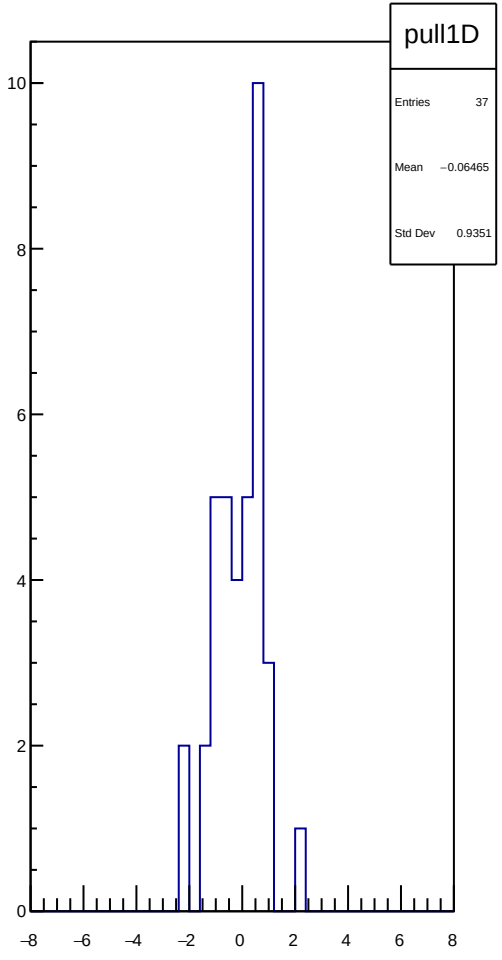

asym_us_avg_at1lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1333 / 36
p0 616.6 ± 0.7112
680
660
640
620
600
580
560
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

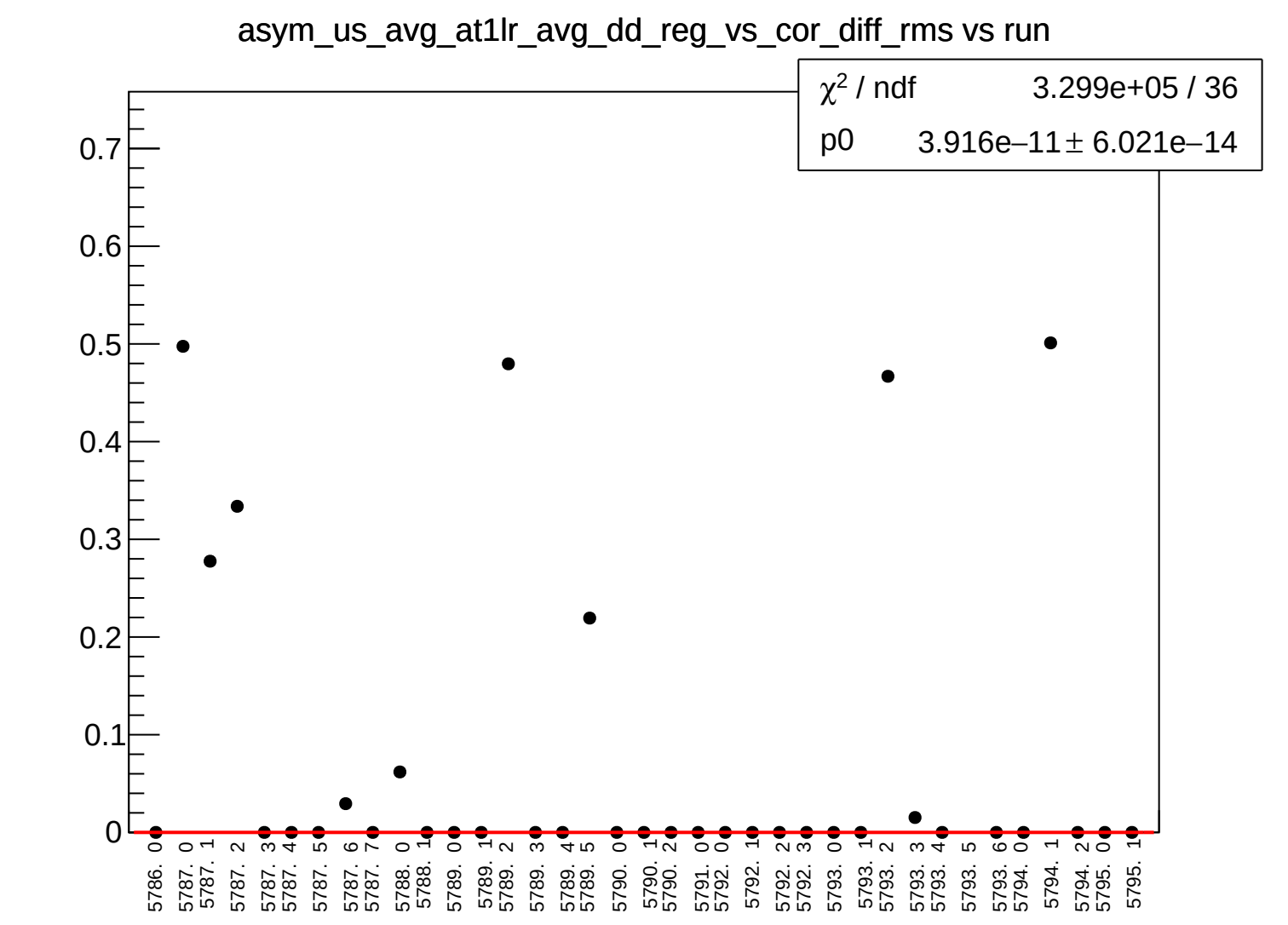

asym_us_avg_at1lr_avg_dd_mean vs run
χ² / ndf 30.82 / 36
p0 −3588 ± 3596
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 92.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

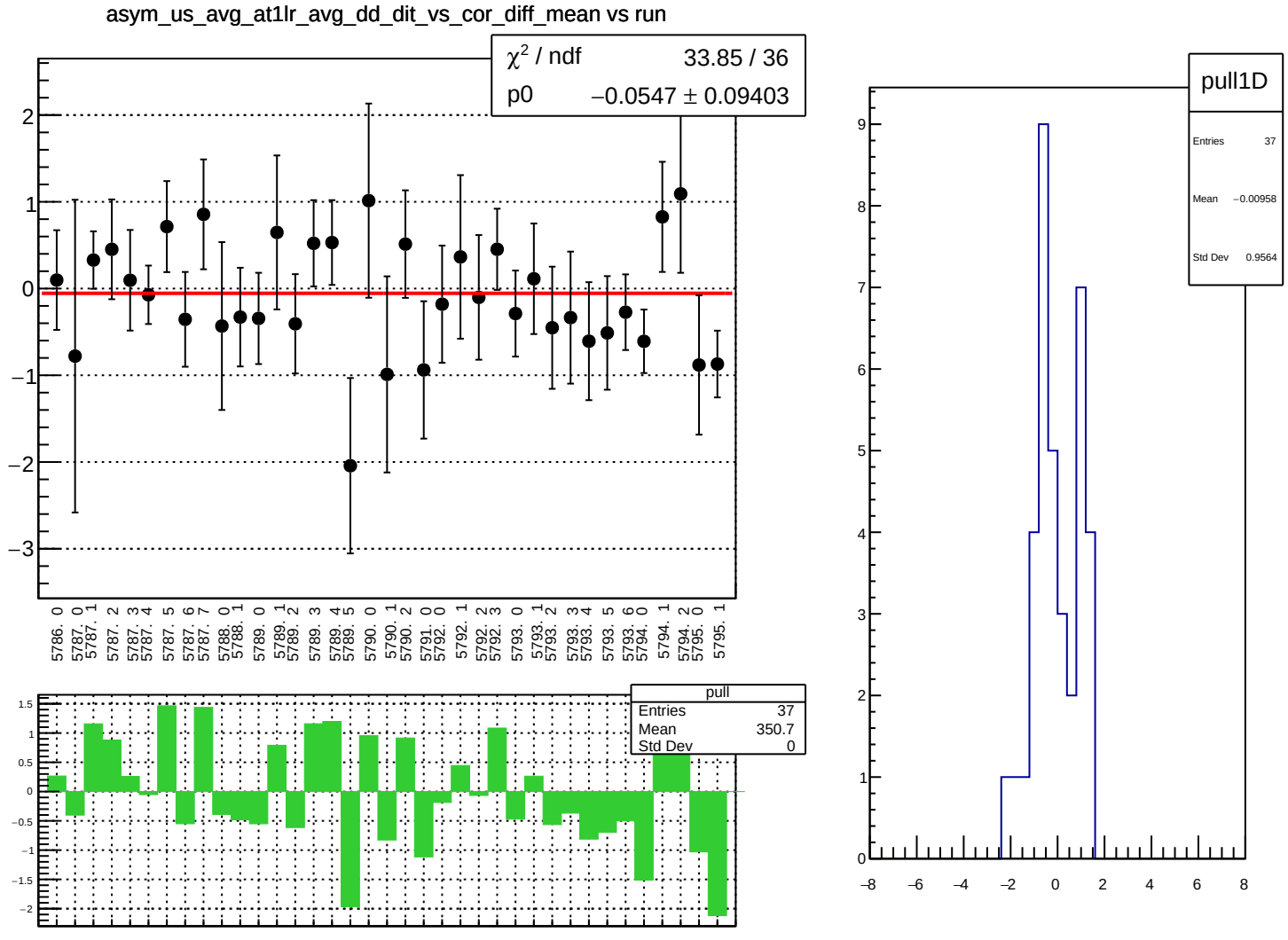

pull1D
Entries 37
Mean 0.009281
Std Dev 0.9127
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

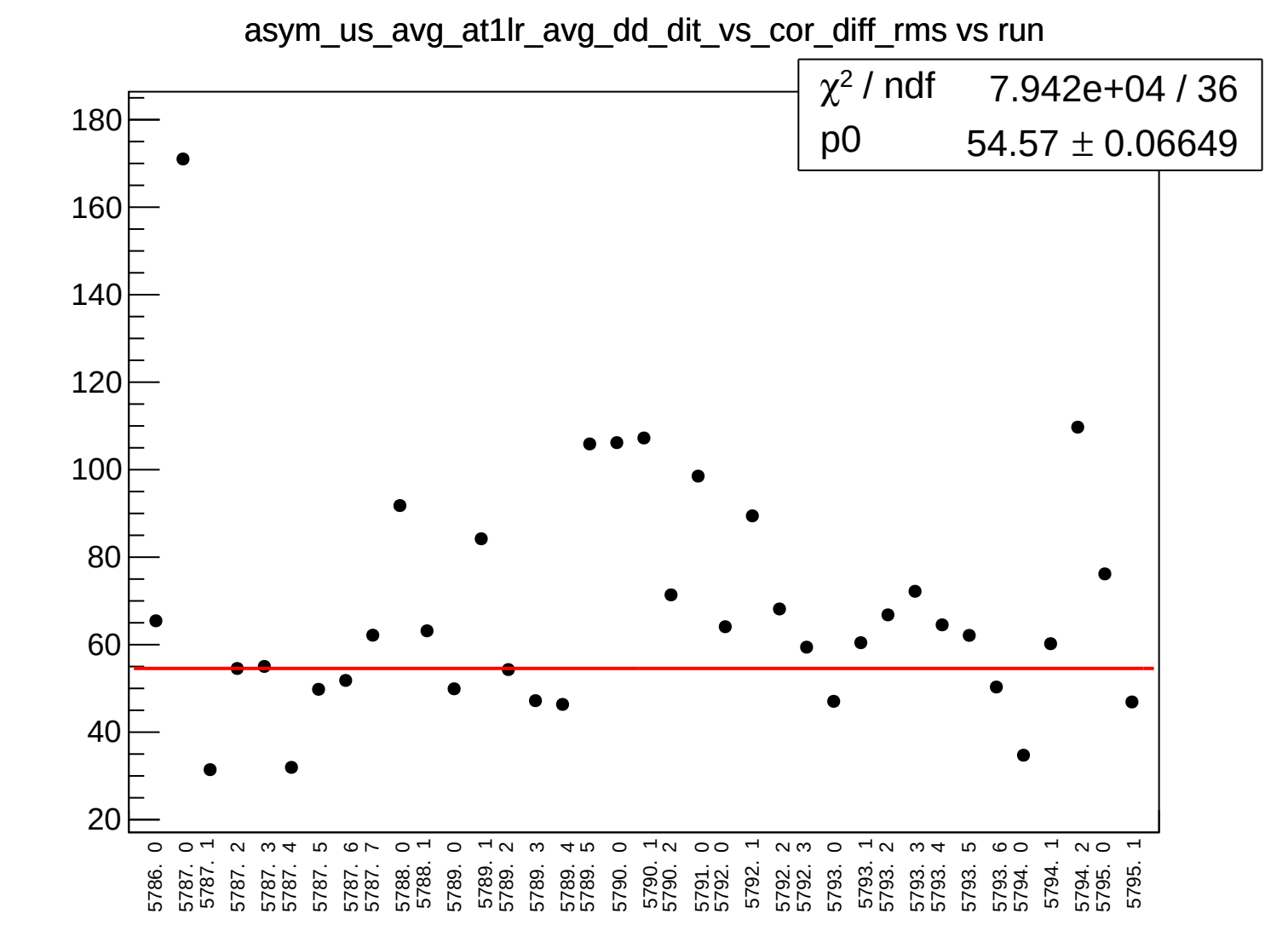

asym_us_avg_at1lr_avg_dd_rms vs run
χ^2 / ndf 75.62 / 36
p0 2206 ± 2.543
2300
2280
2260
2240
2220
2200
2180
2160
2140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

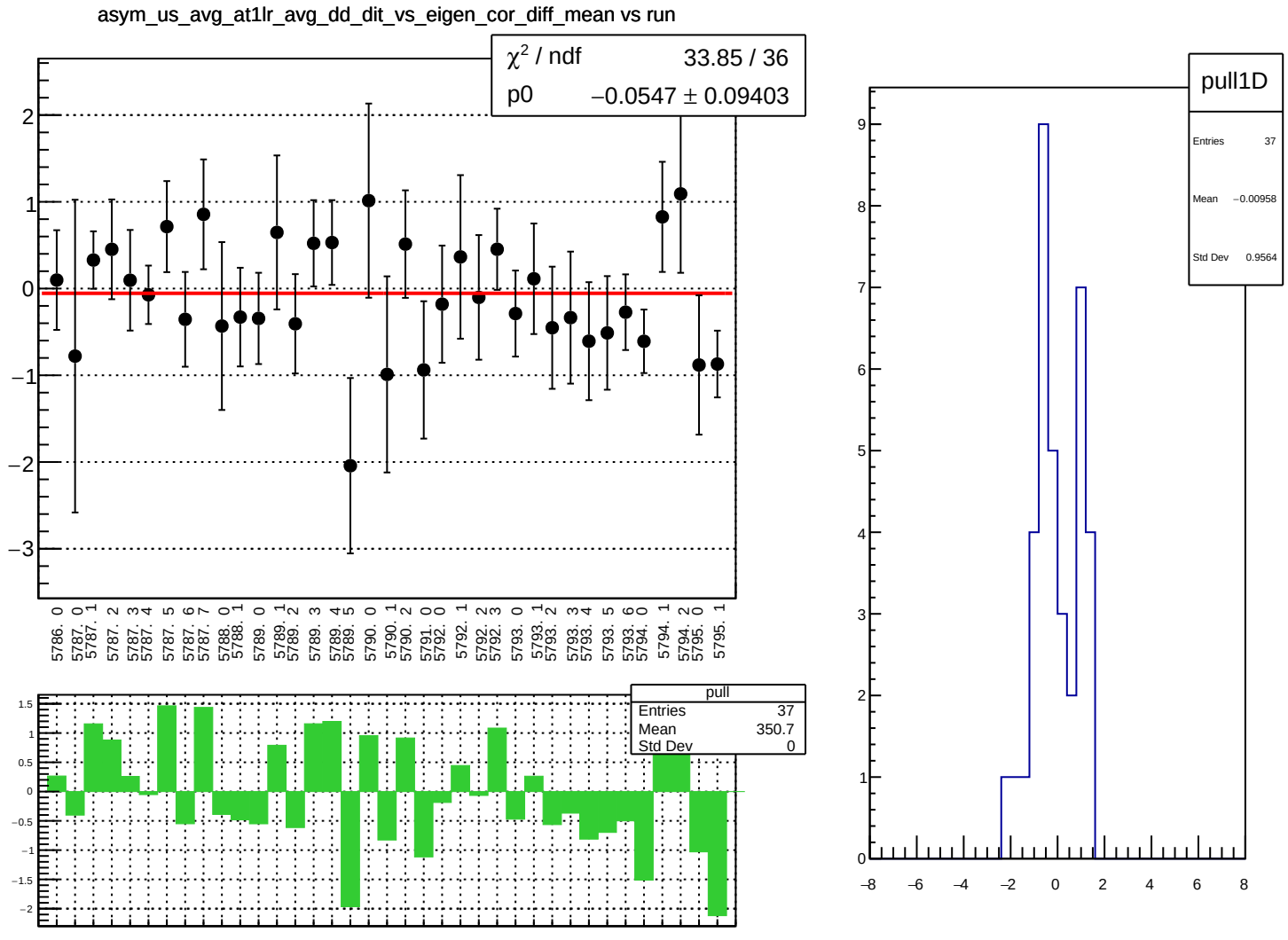

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.51 / 36
p0 1.785e−13 ± 8.515e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −29.89
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

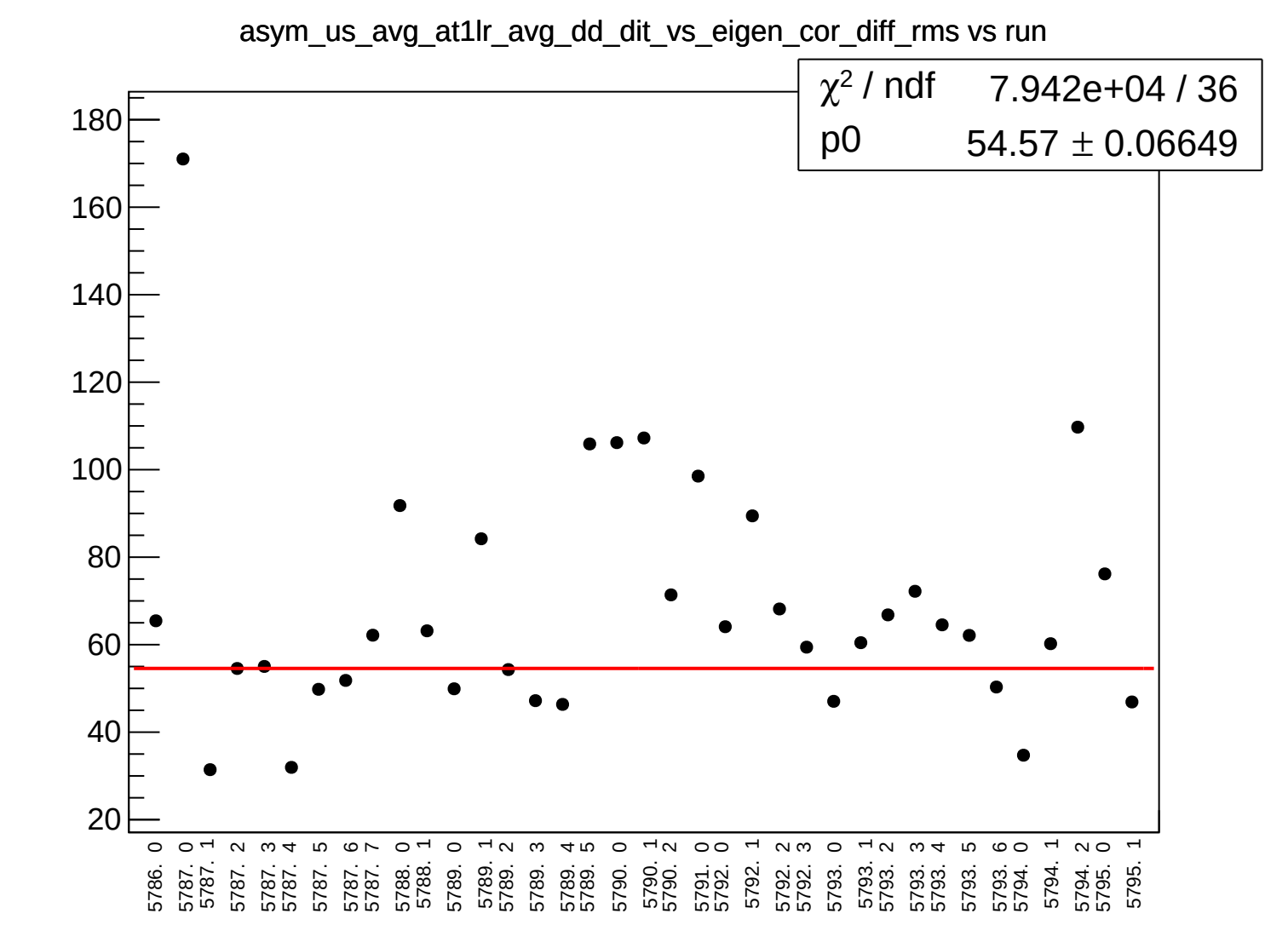

pull1D
Entries 37
Mean −0.06465
Std Dev 0.9351
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

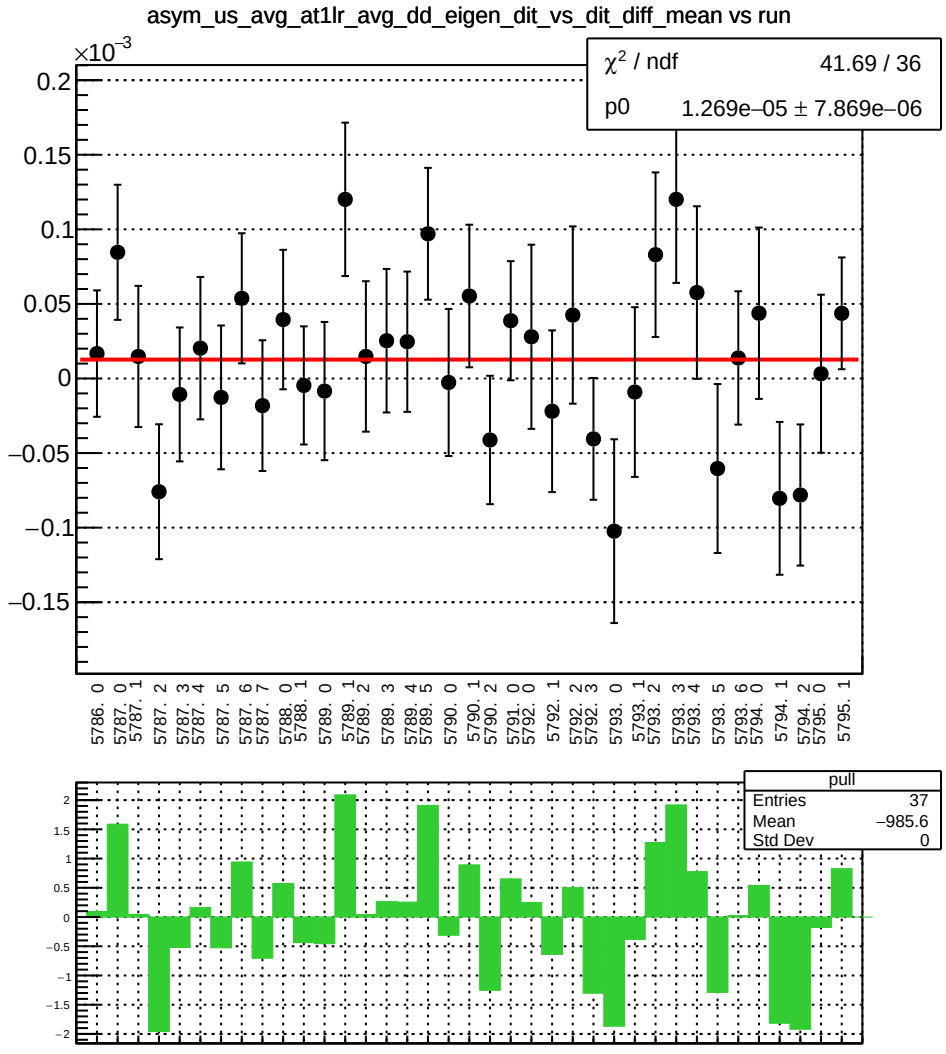

asym_us_avg_at1lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.299e+05 / 36
p0 3.916e−11 ± 6.021e−14
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

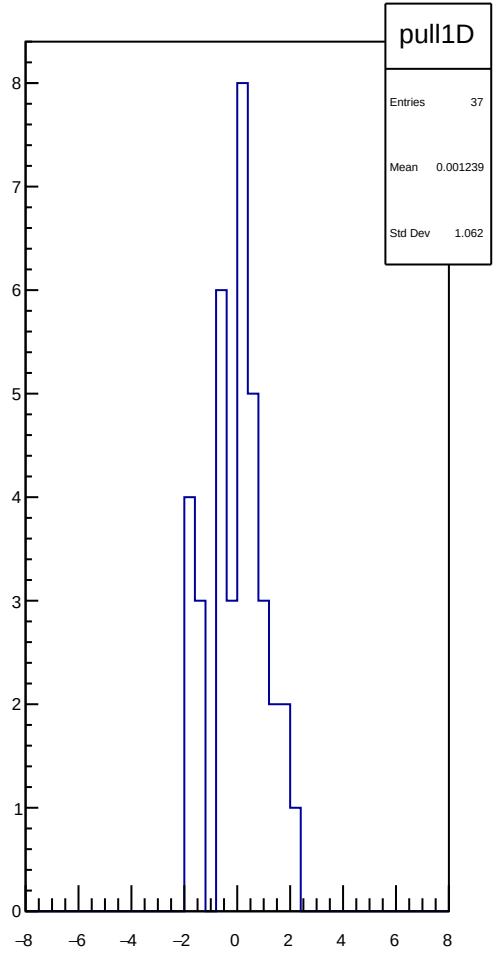

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 33.85 / 36
p0 −0.0547 ± 0.09403
pull
Entries 37
Mean 350.7
Std Dev 0
pull1D
Entries 37
Mean −0.00958
Std Dev 0.9564

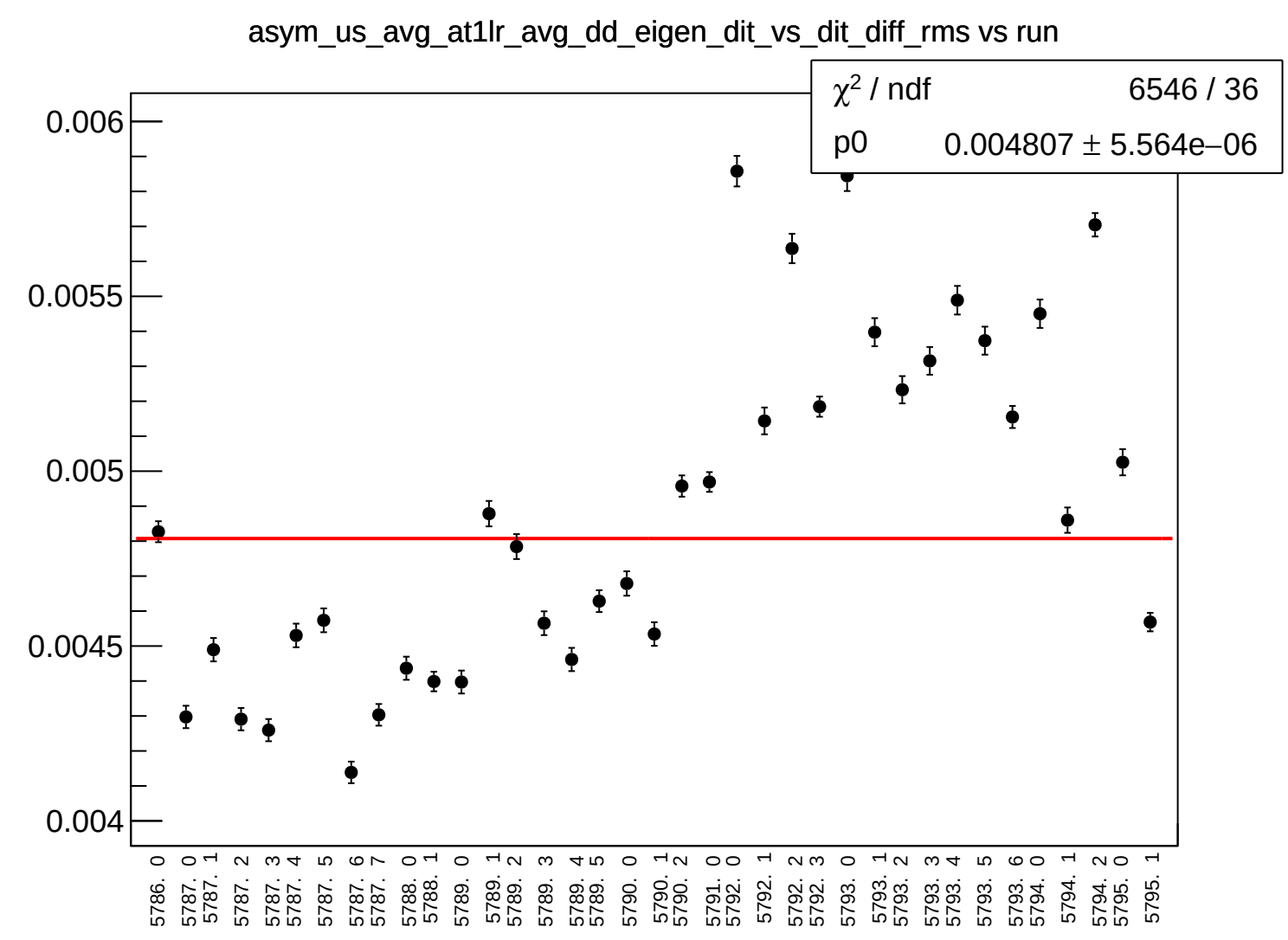

asym_us_avg_at1lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.942e+04 / 36
p0 54.57 ± 0.06649
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

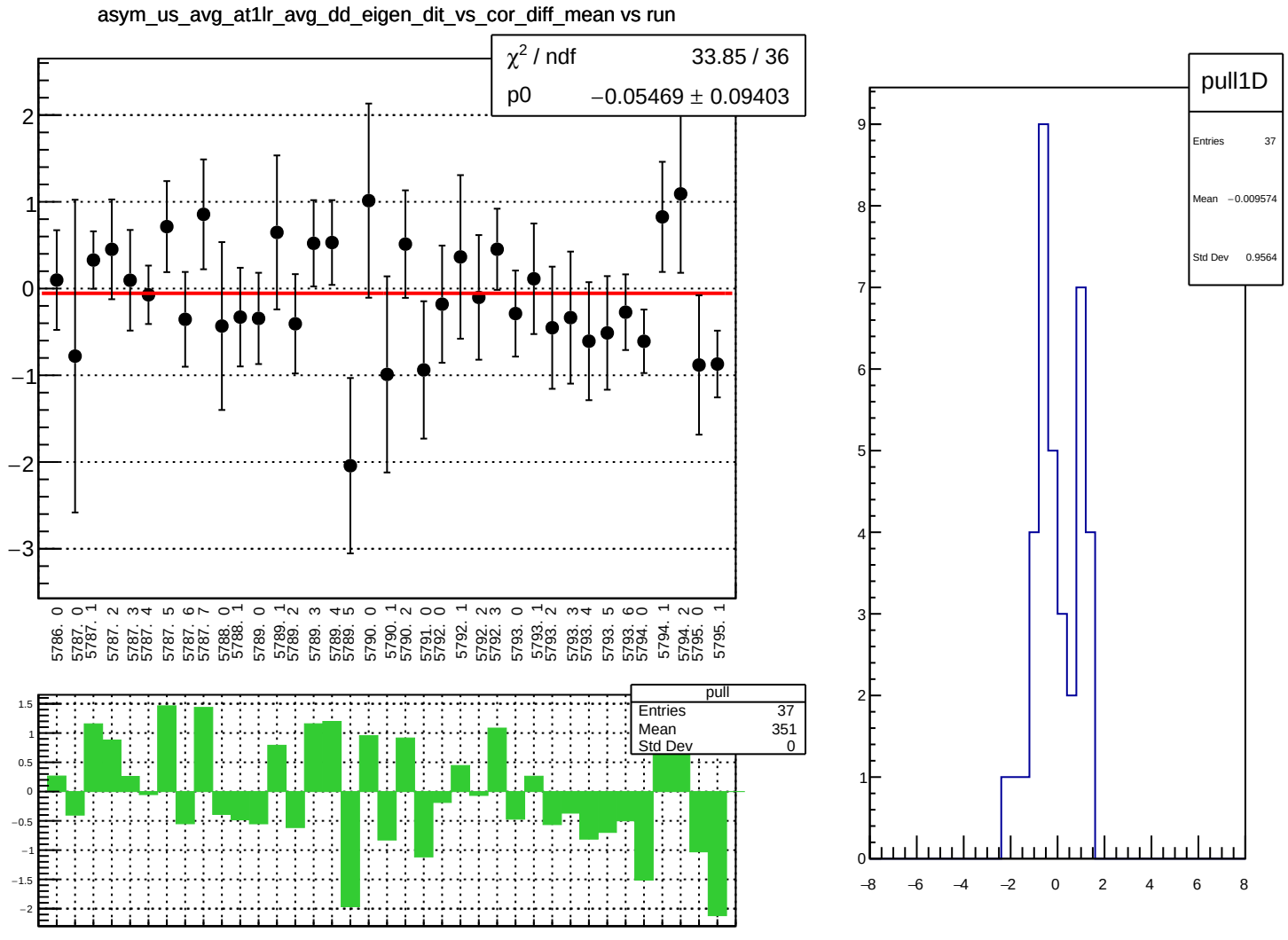

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.85 / 36
p0 −0.0547 ± 0.09403
pull
Entries 37
Mean 350.7
Std Dev 0
pull1D
Entries 37
Mean −0.00958
Std Dev 0.9564

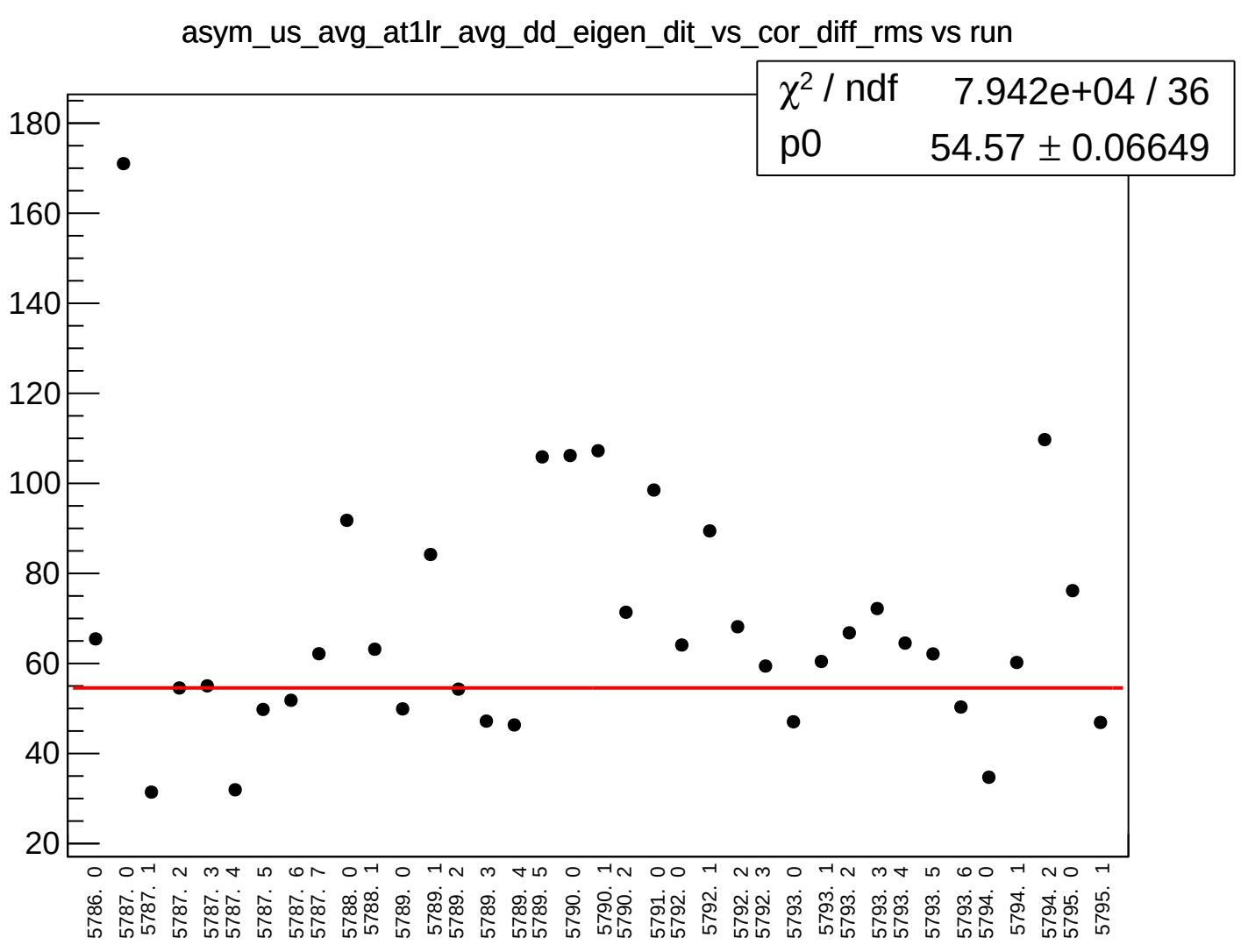

asym_us_avg_at1lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.942e+04 / 36
p0 54.57 ± 0.06649
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

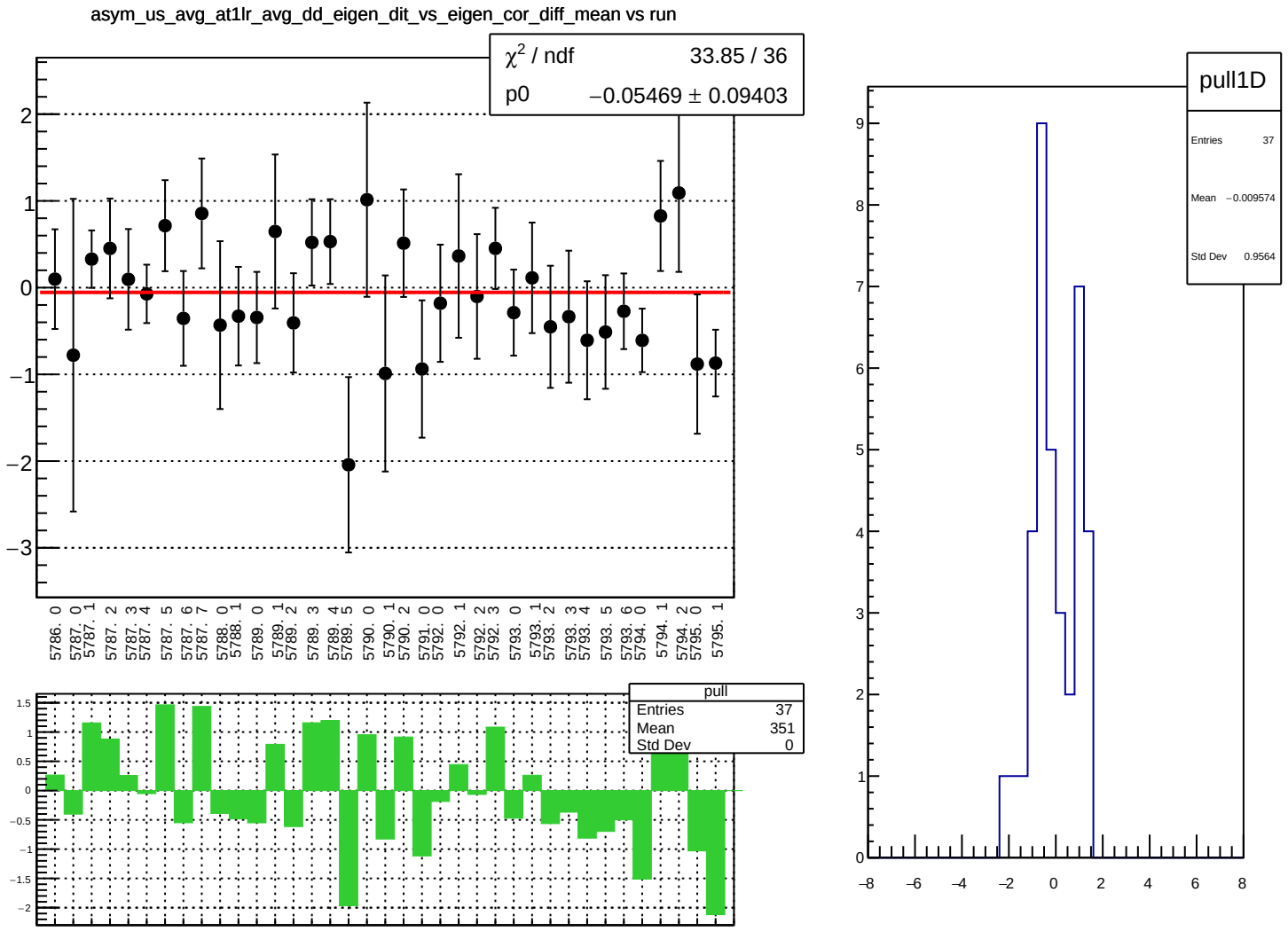

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41.69 / 36
p0 1.269e−05 ± 7.869e−06
pull
Entries 37
Mean −985.6
Std Dev 0

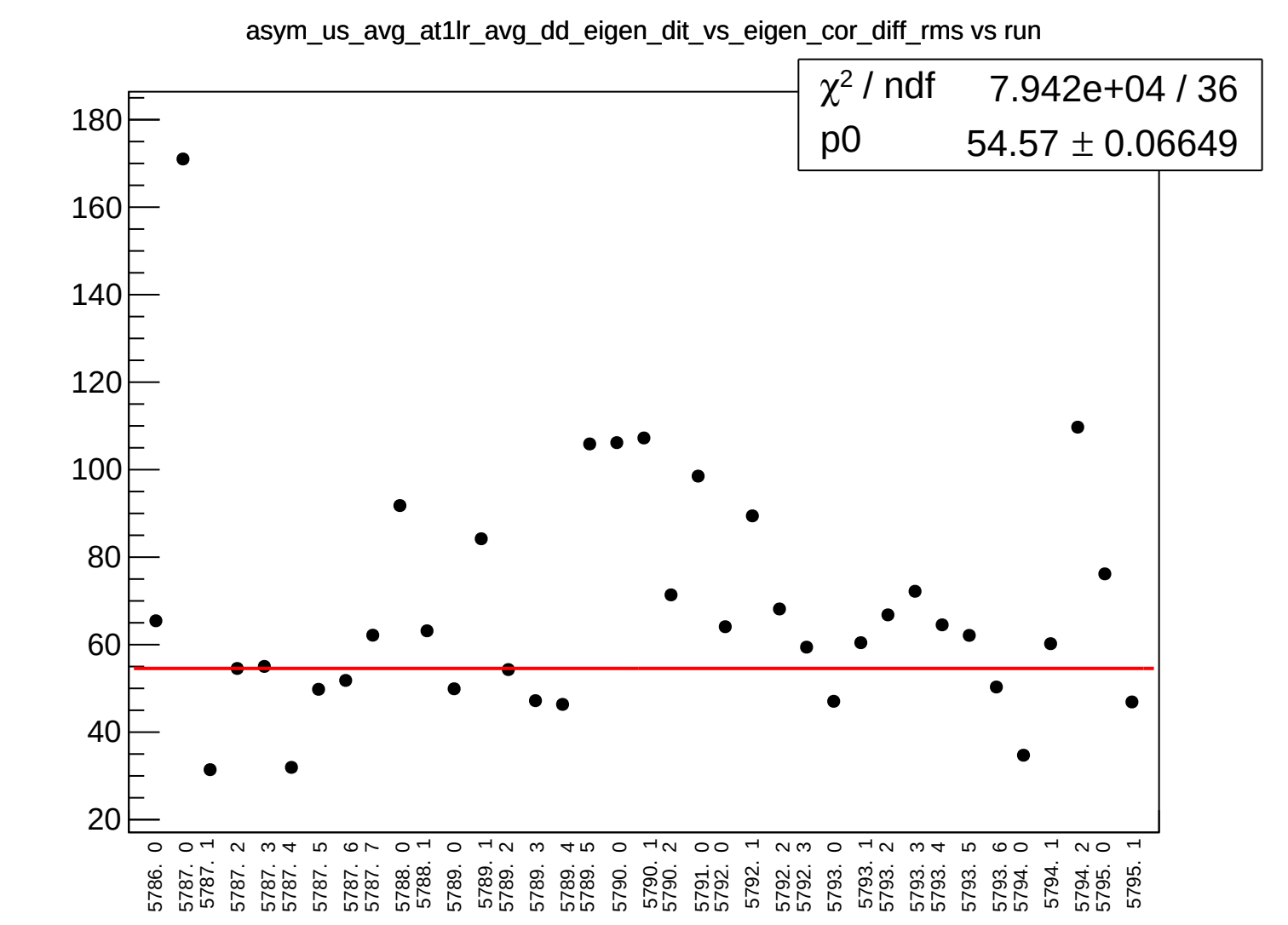

pull1D
Entries 37
Mean 0.001239
Std Dev 1.062

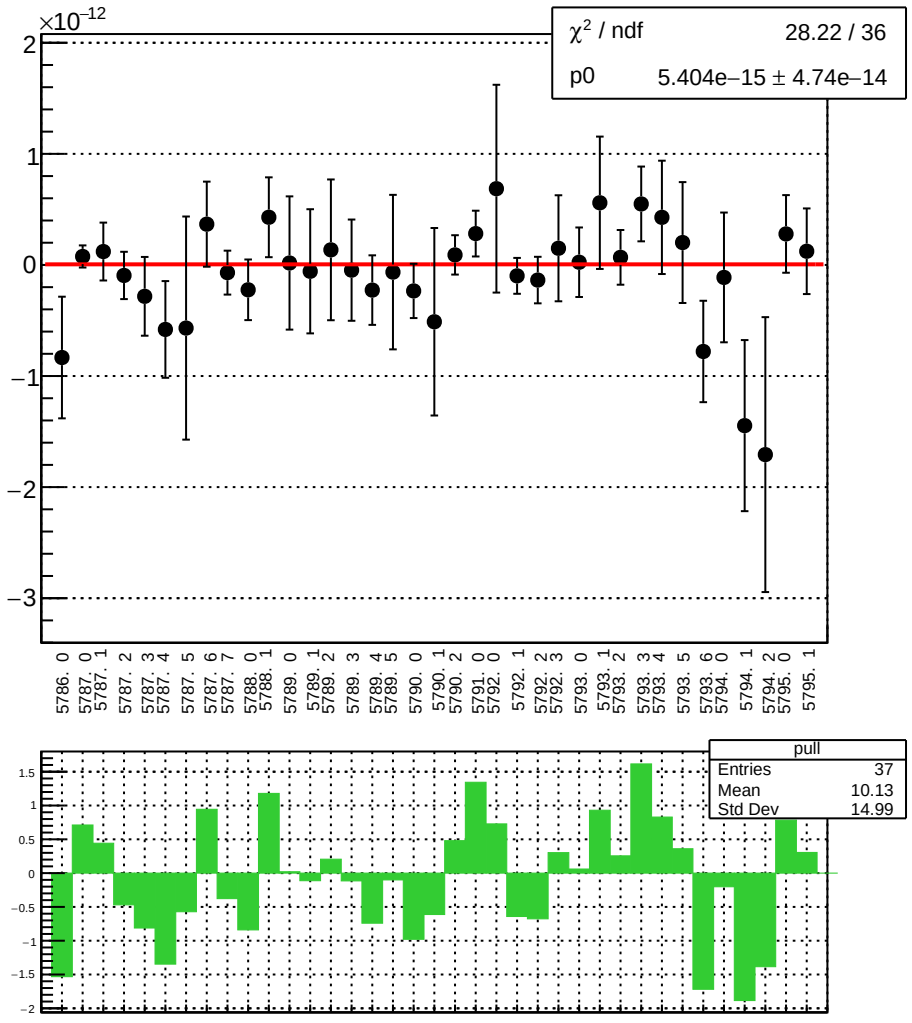

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6546 / 36
p0 0.004807 ± 5.564e−06
0.006
0.0055
0.005
0.0045
0.004
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

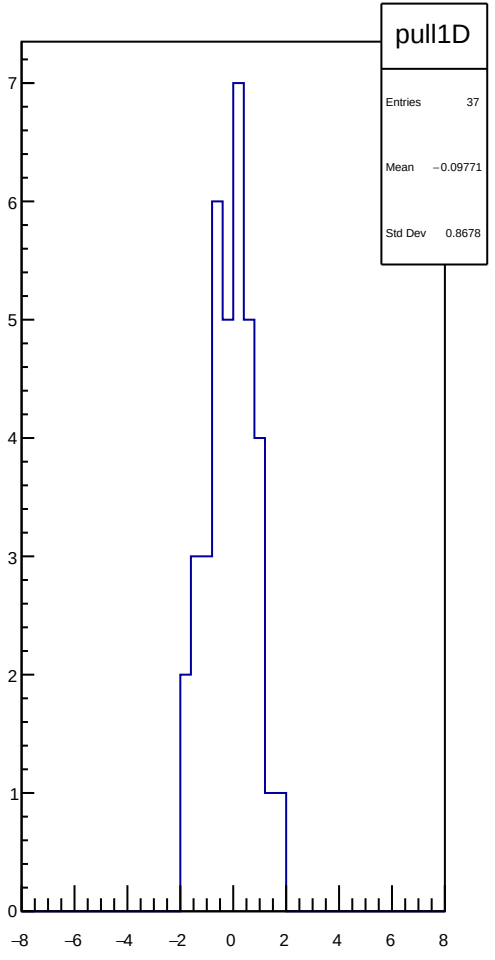

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 33.85 / 36
p0 −0.05469 ± 0.09403
pull
Entries 37
Mean 351
Std Dev 0
pull1D
Entries 37
Mean −0.009574
Std Dev 0.9564

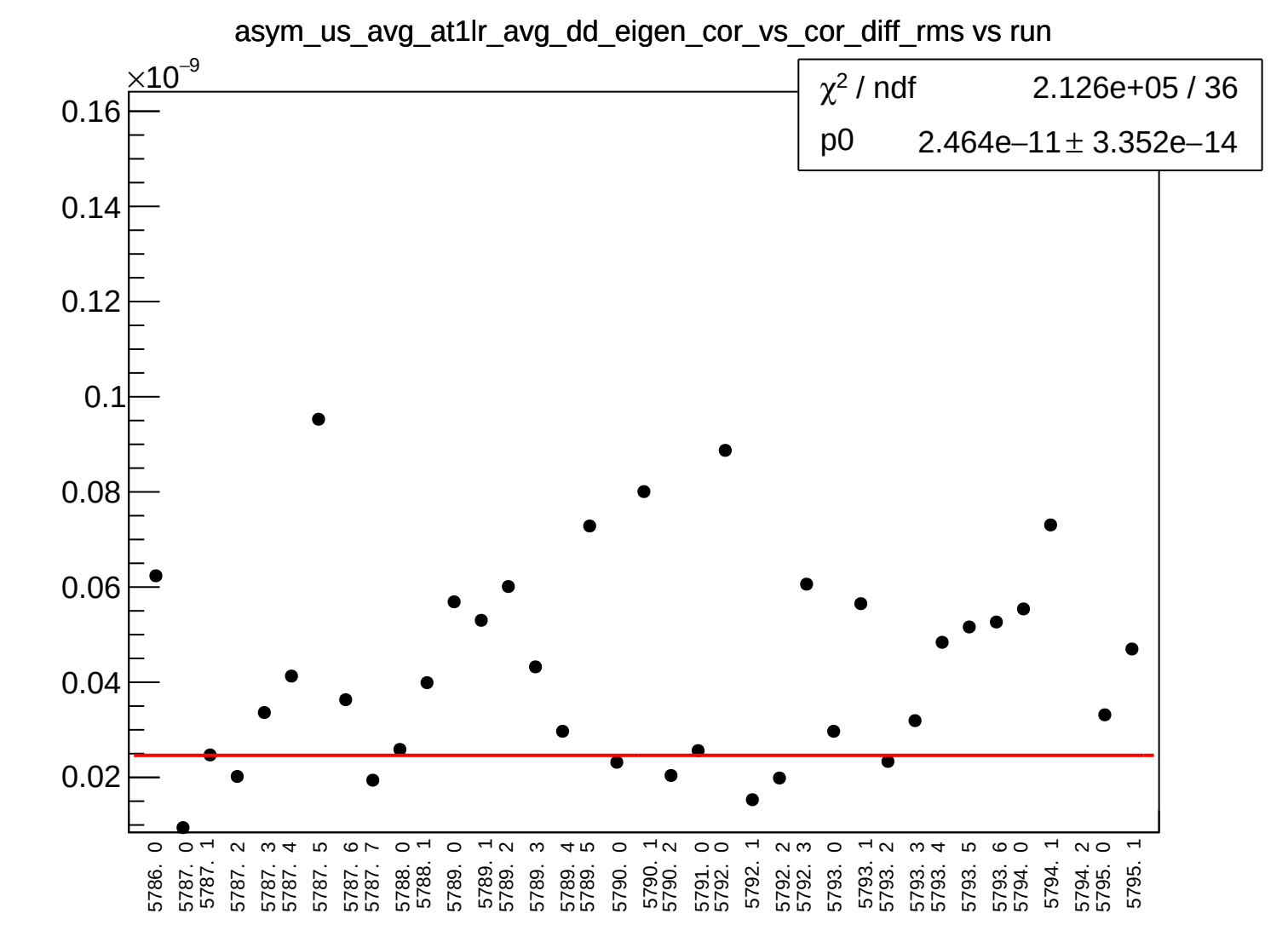

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.942e+04 / 36
p0 54.57 ± 0.06649
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

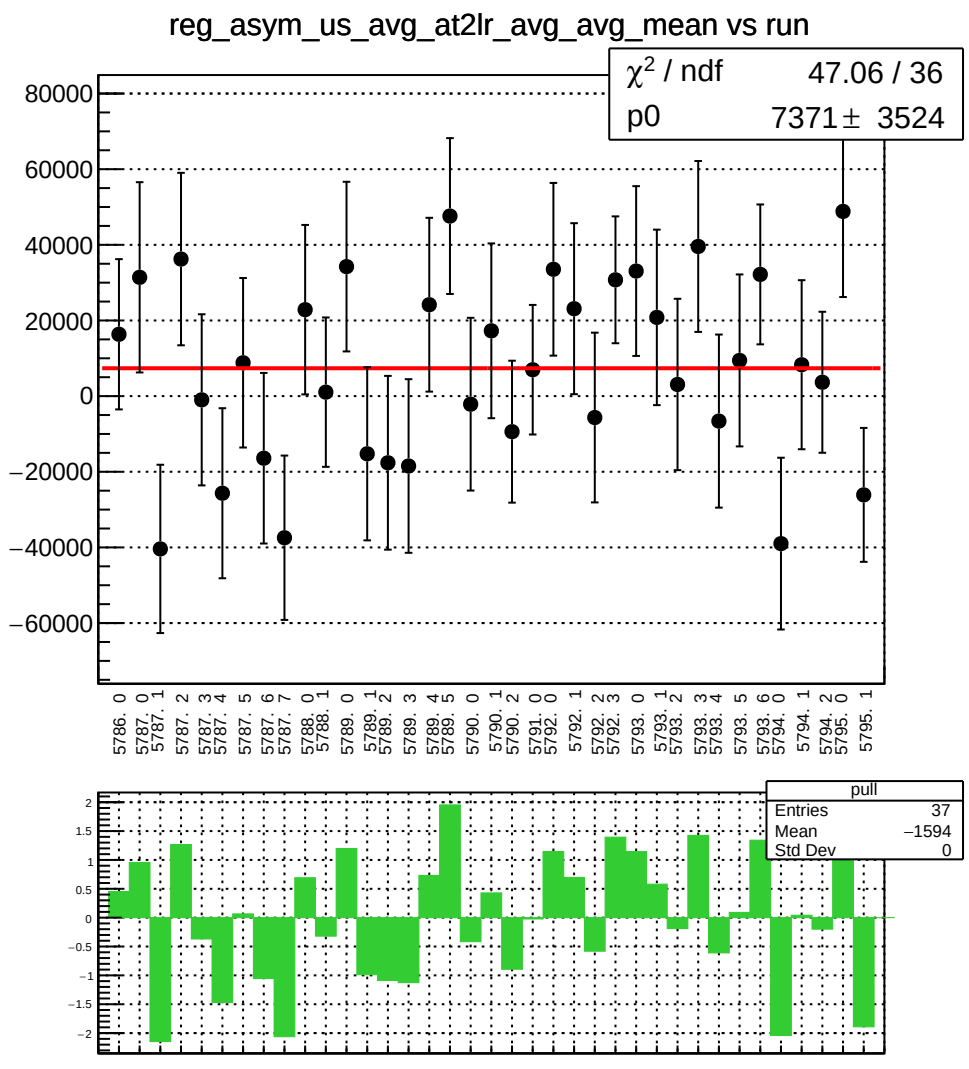

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 33.85 / 36
p0 −0.05469 ± 0.09403
pull
Entries 37
Mean 351
Std Dev 0
pull1D
Entries 37
Mean −0.009574
Std Dev 0.9564

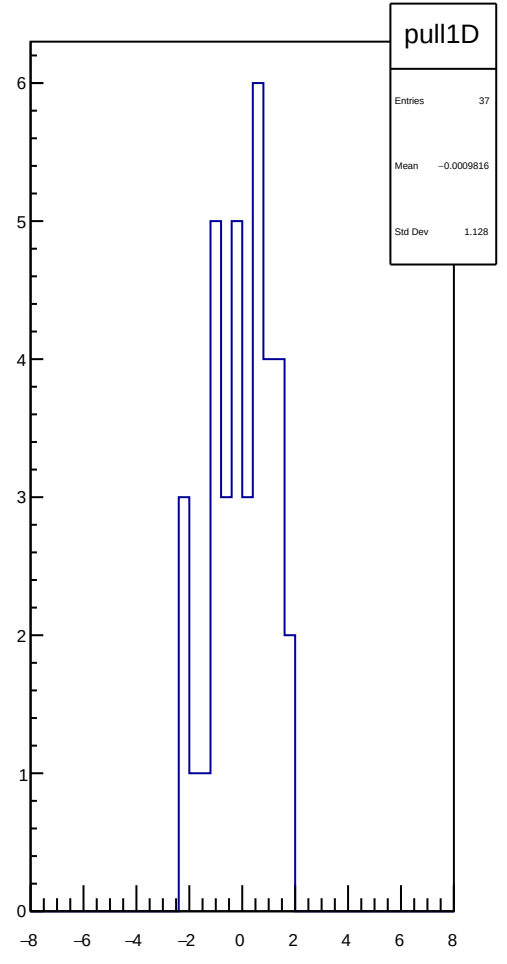

asym_us_avg_at1lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.942e+04 / 36
p0 54.57 ± 0.06649
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

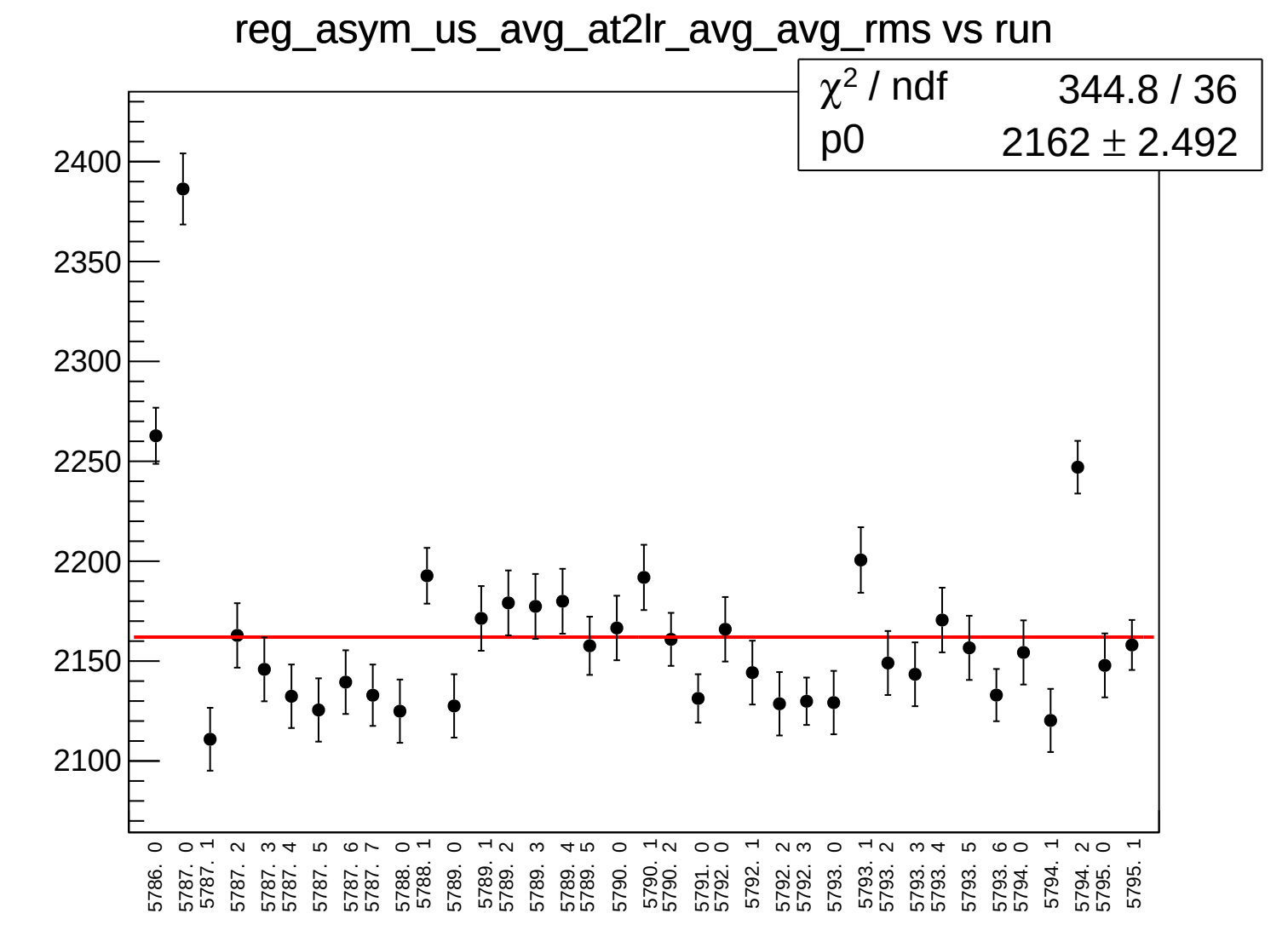

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 28.22 / 36
p0 5.404e−15 ± 4.74e−14
pull
Entries 37
Mean 10.13
Std Dev 14.99

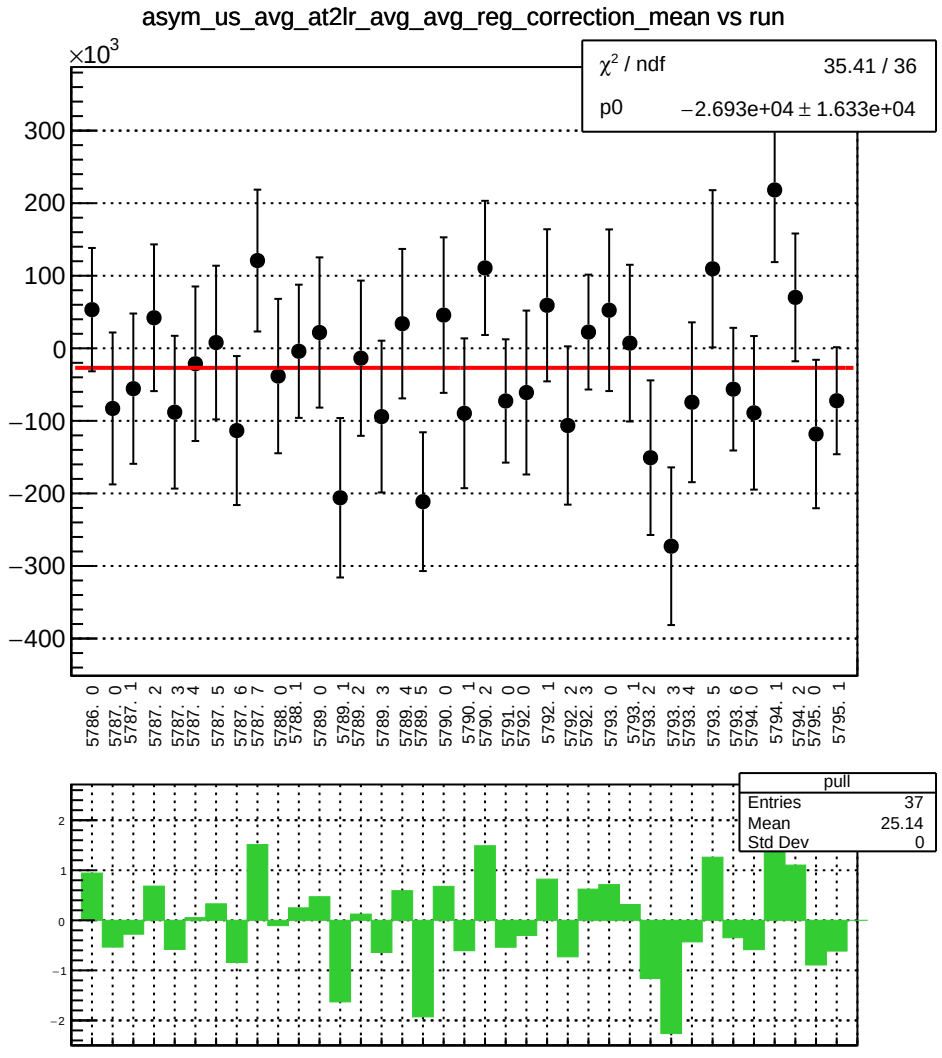

pull1D
Entries 37
Mean −0.09771
Std Dev 0.8678

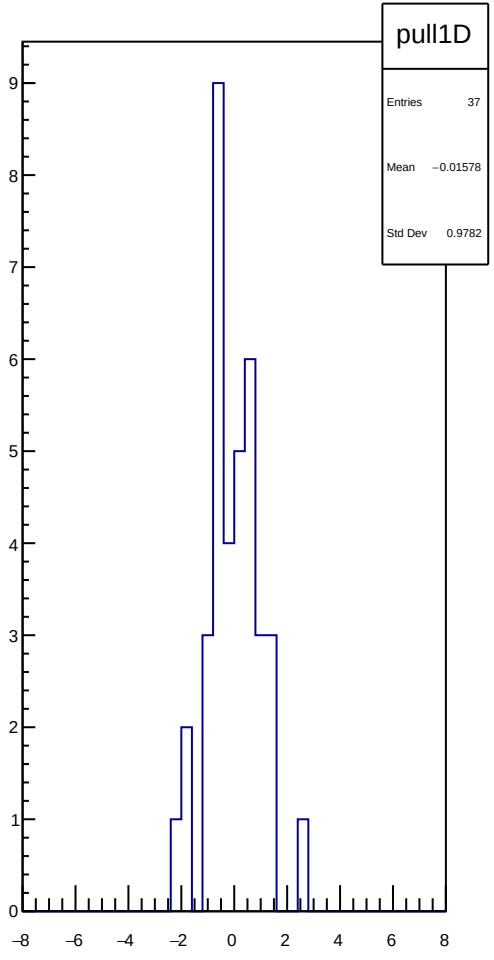

asym_us_avg_at1lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.126e+05 / 36
p0 2.464e−11 ± 3.352e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

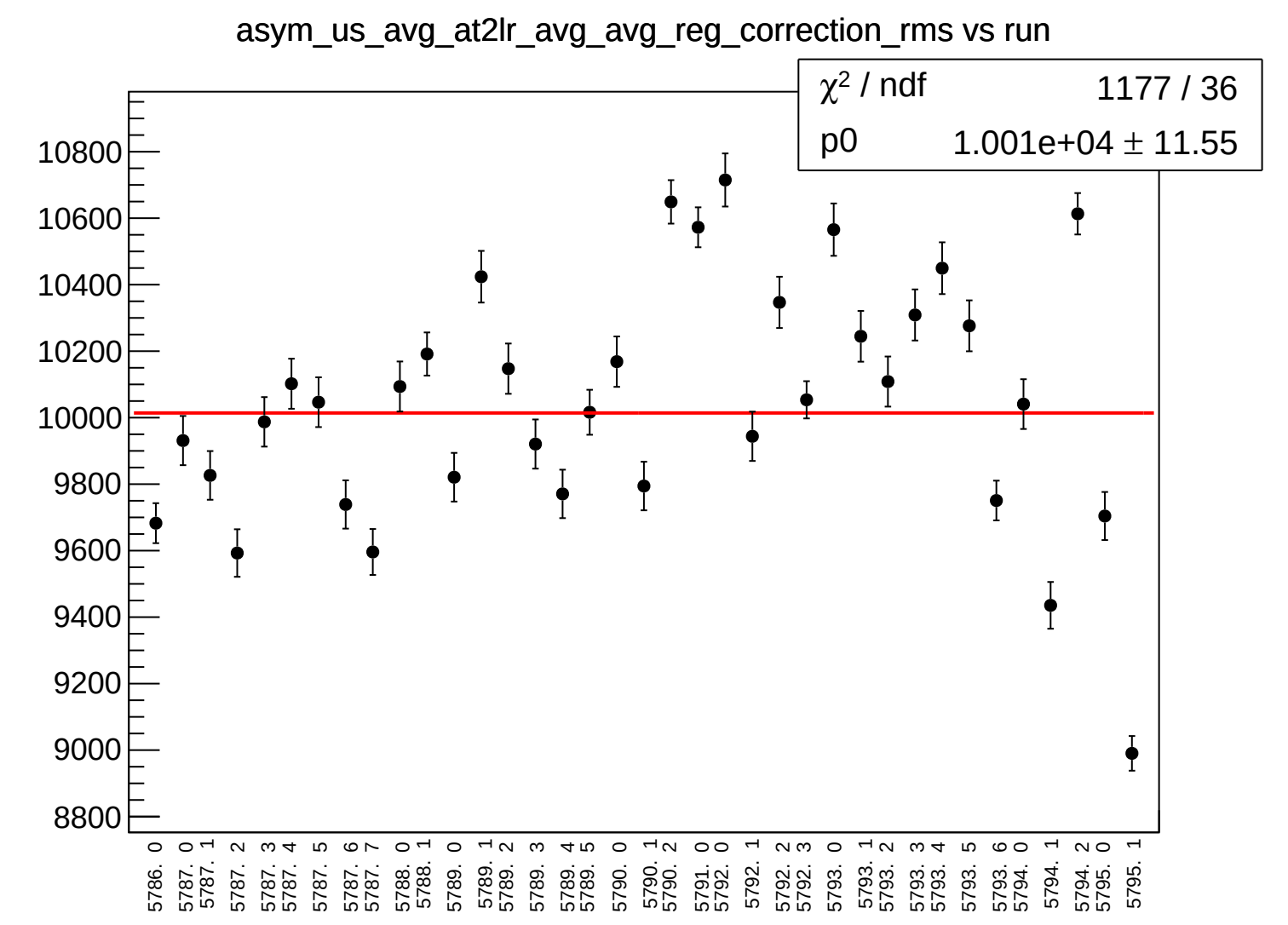

reg_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.06 / 36
p0 7371 ± 3524
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1594
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

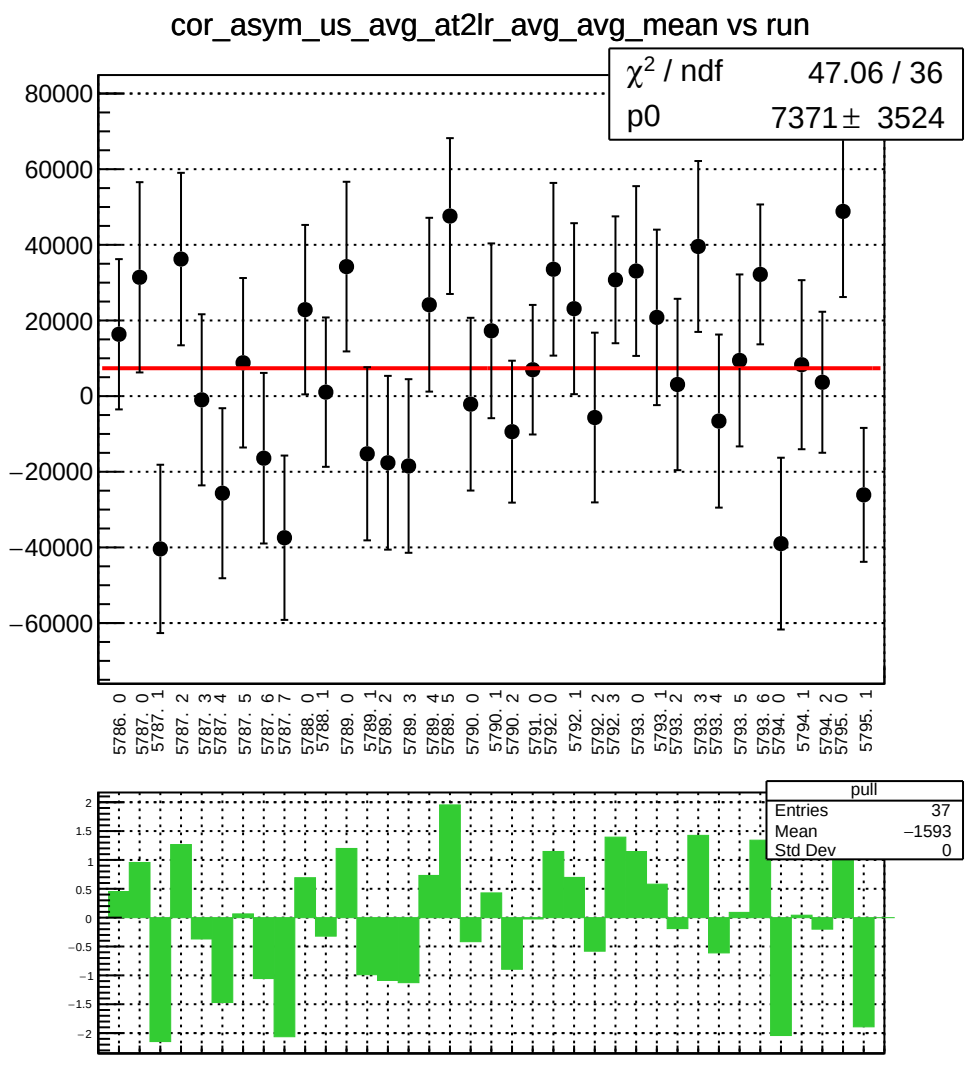

pull1D
Entries 37
Mean −0.0009816
Std Dev 1.128
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

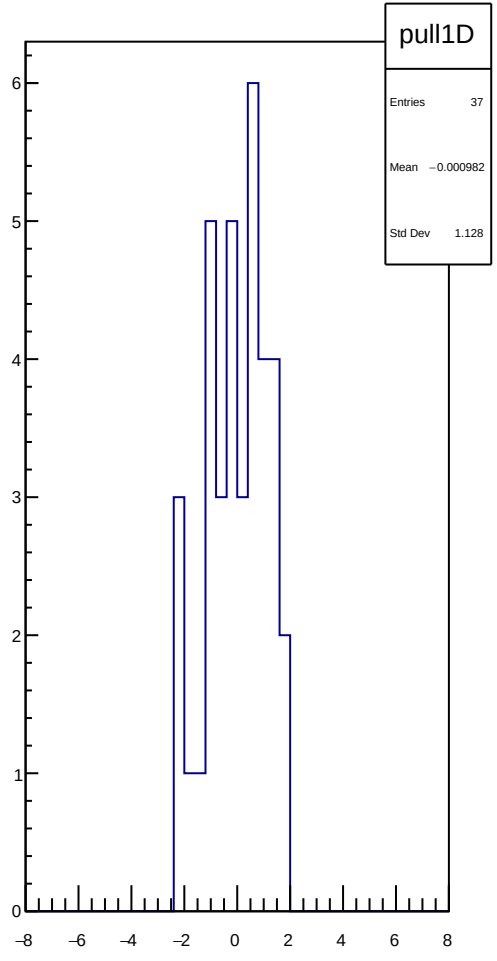

reg_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 344.8 / 36
p0 2162 ± 2.492
2400
2350
2300
2250
2200
2150
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

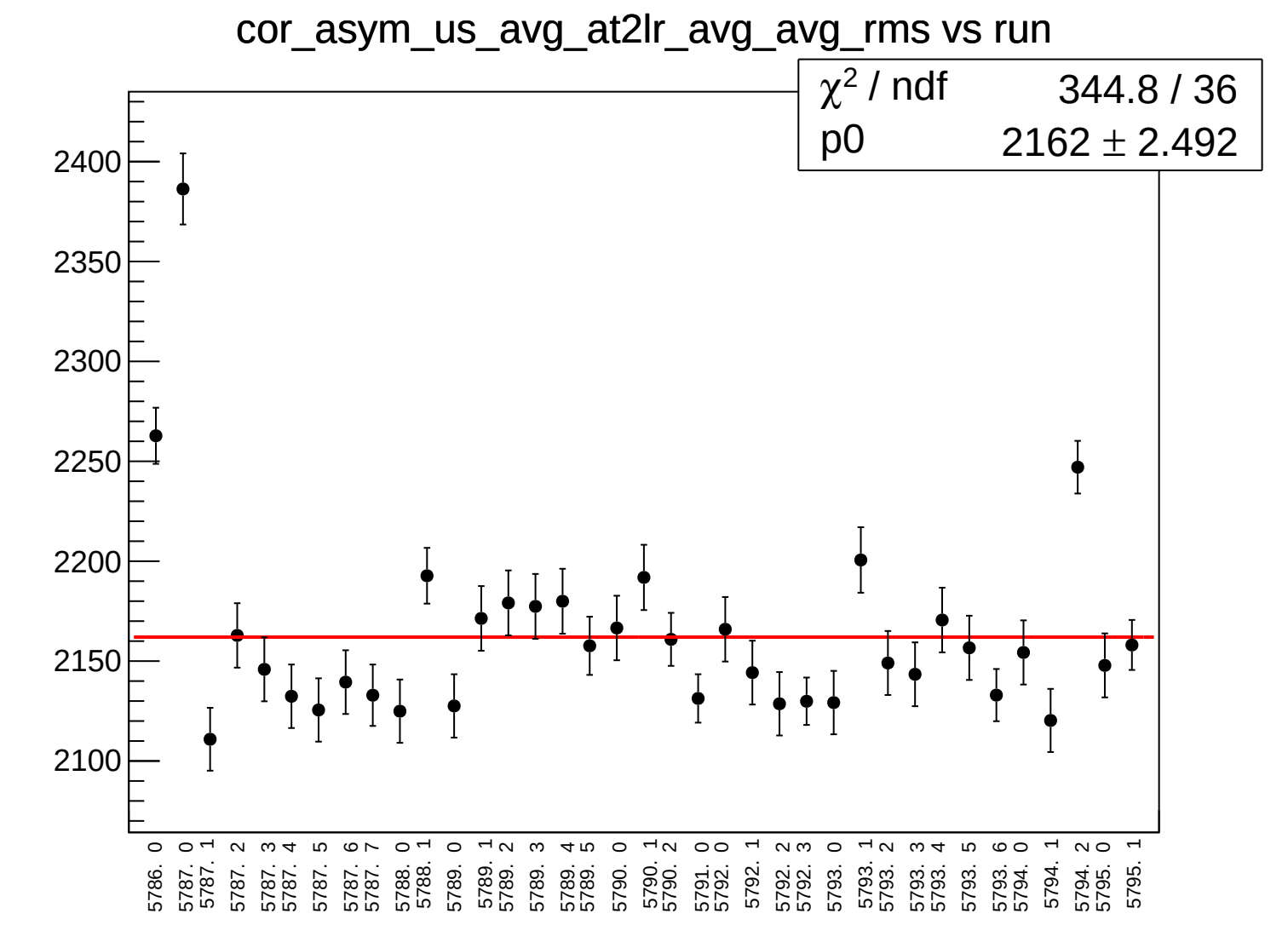

asym_us_avg_at2lr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.41 / 36
p0 −2.693e+04 ± 1.633e+04
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.14
Std Dev 0
2
1
0
−1
−2

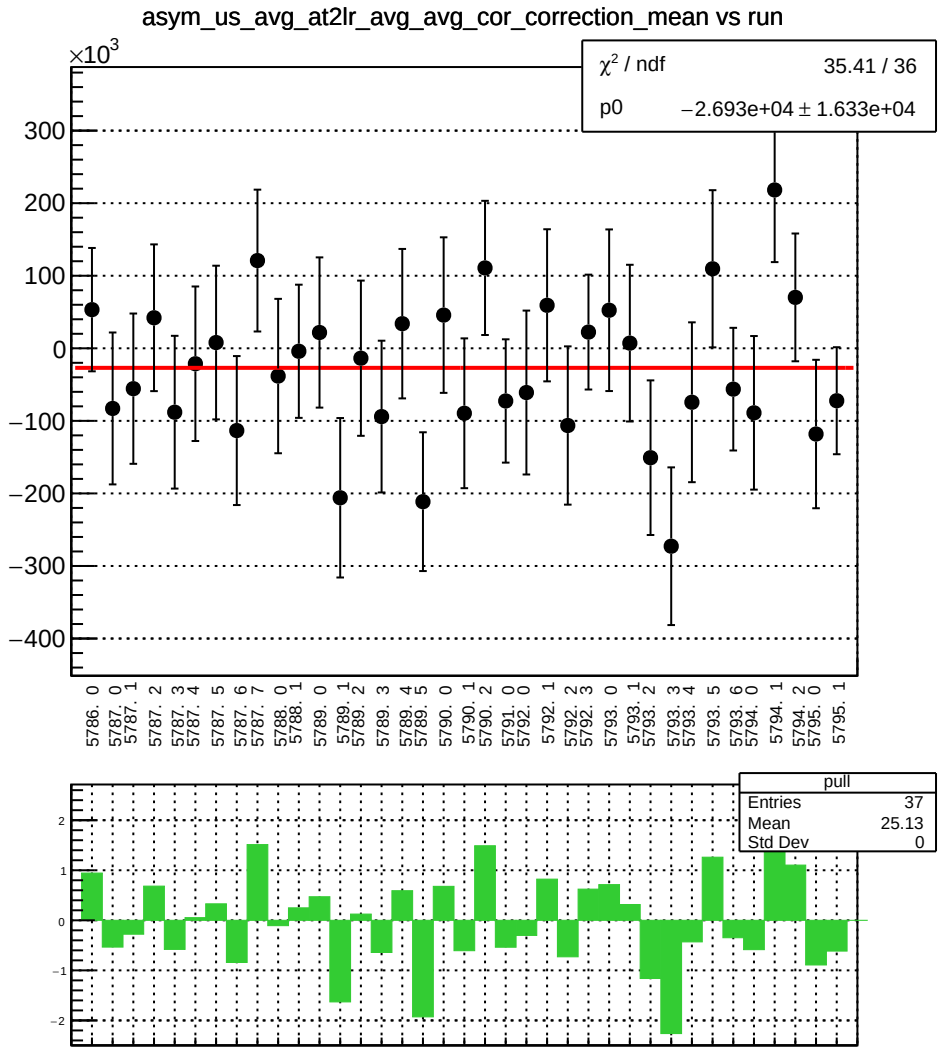

pull1D
Entries 37
Mean −0.01578
Std Dev 0.9782
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

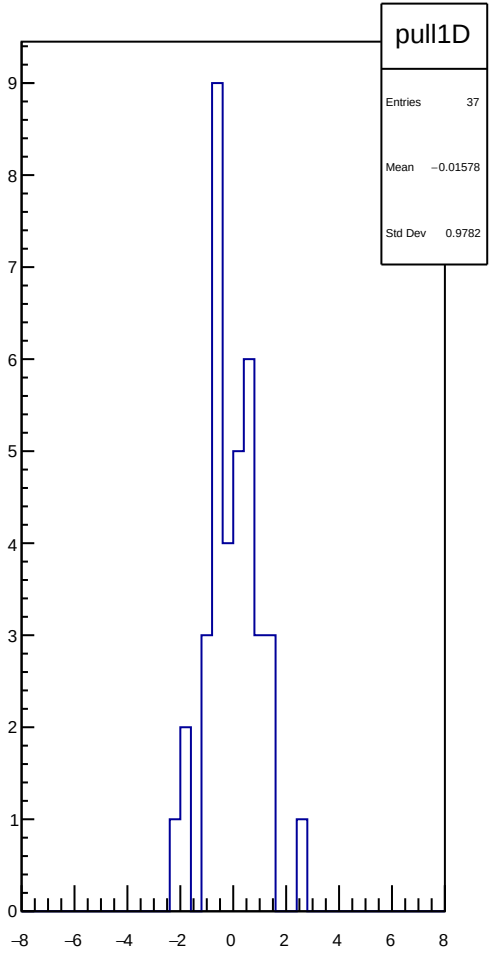

asym_us_avg_at2lr_avg_avg_reg_correction_rms vs run
χ² / ndf 1177 / 36
p0 1.001e+04 ± 11.55
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

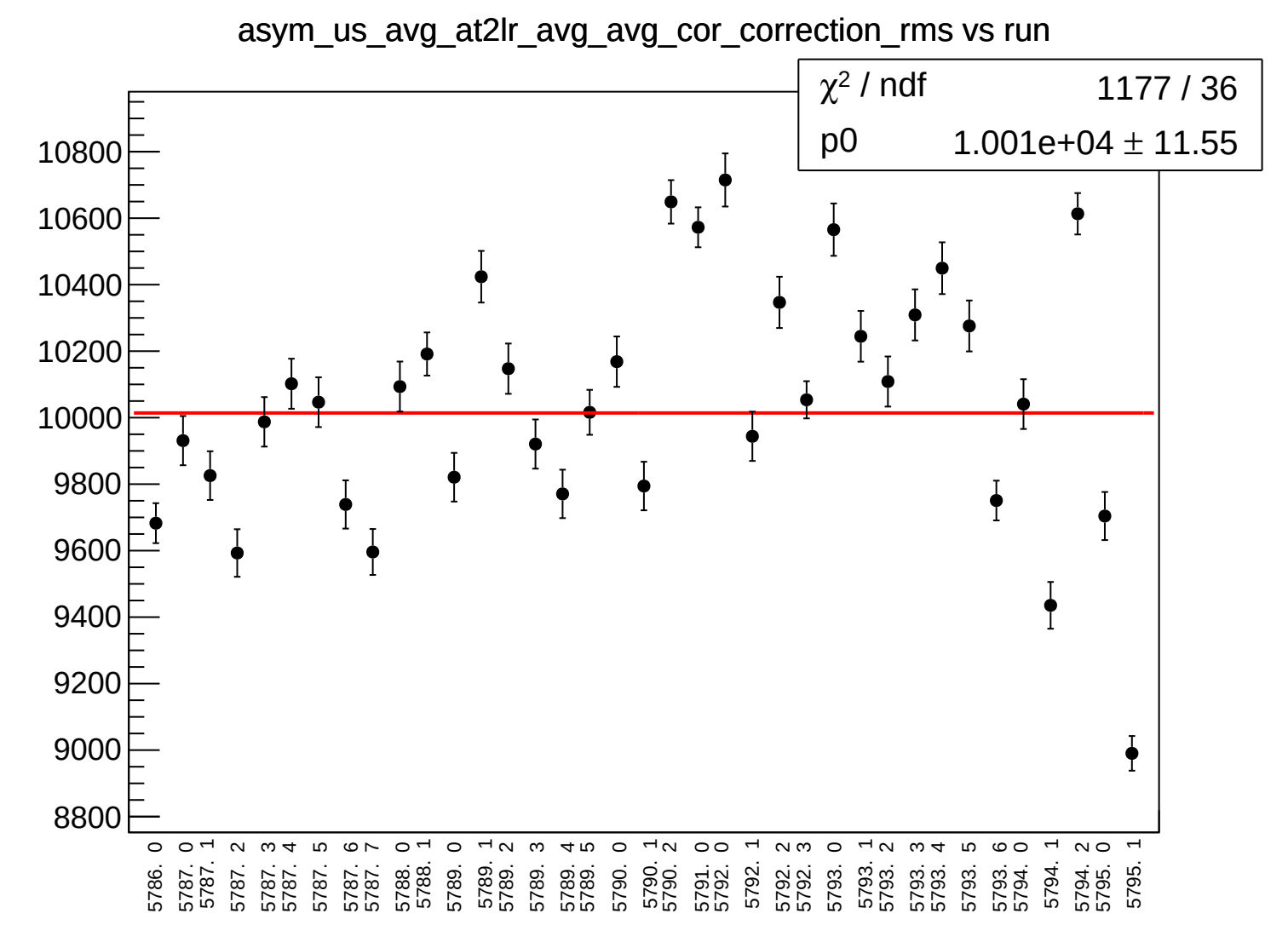

cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.06 / 36
p0 7371 ± 3524
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1593
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

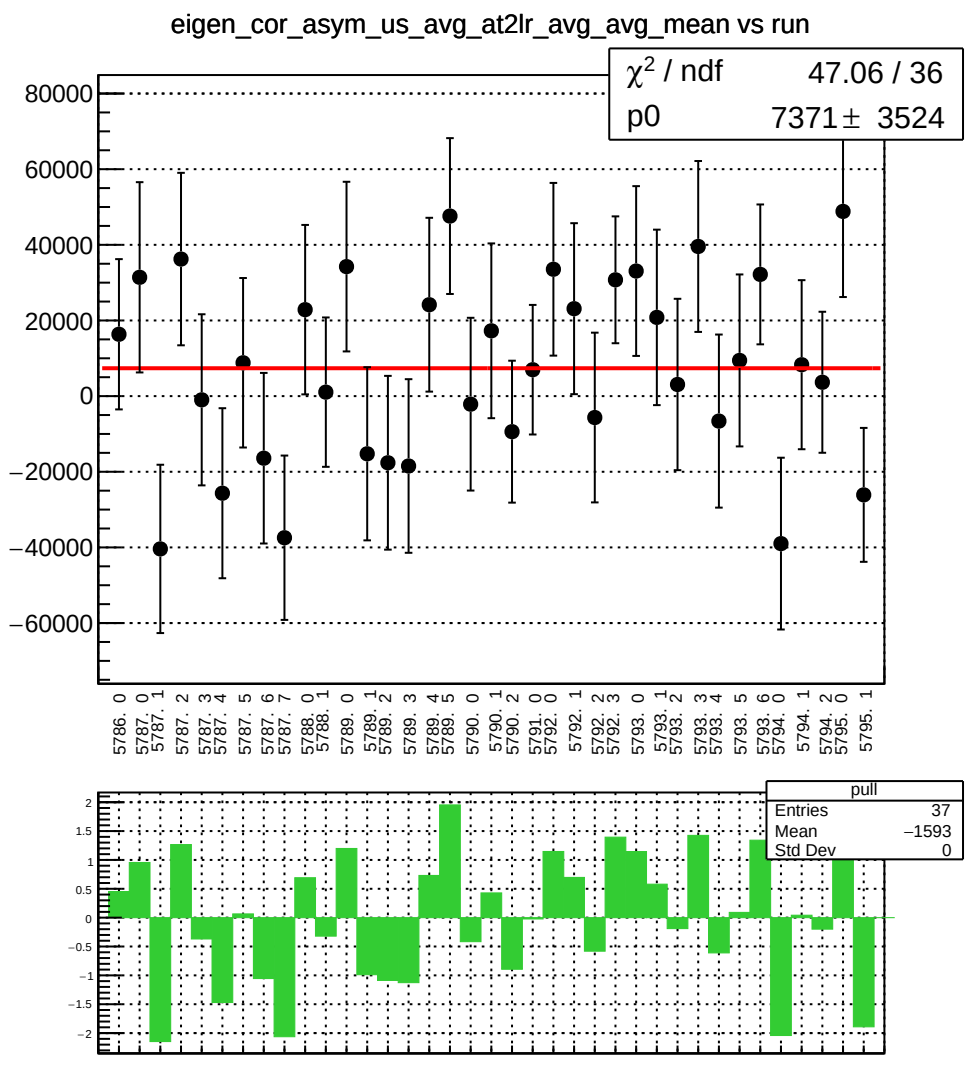

pull1D
Entries 37
Mean −0.000982
Std Dev 1.128
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

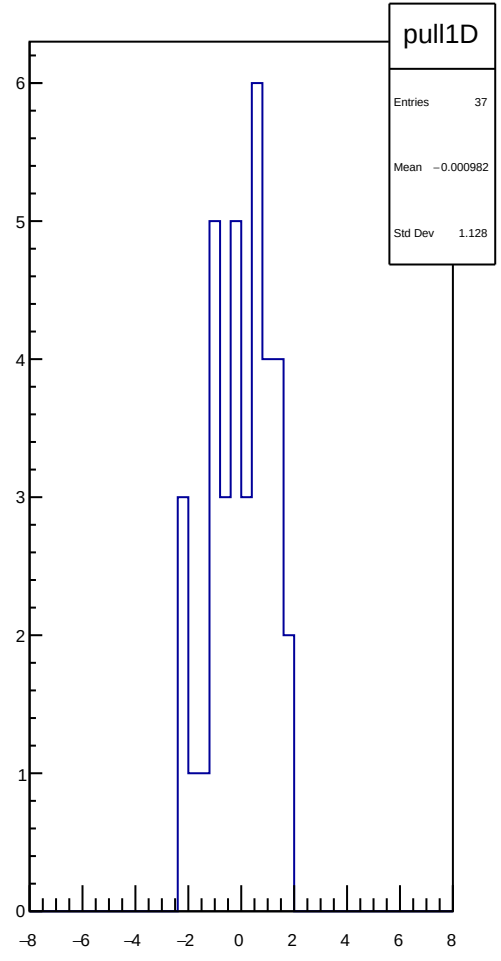

cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 344.8 / 36
p0 2162 ± 2.492
2400
2350
2300
2250
2200
2150
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

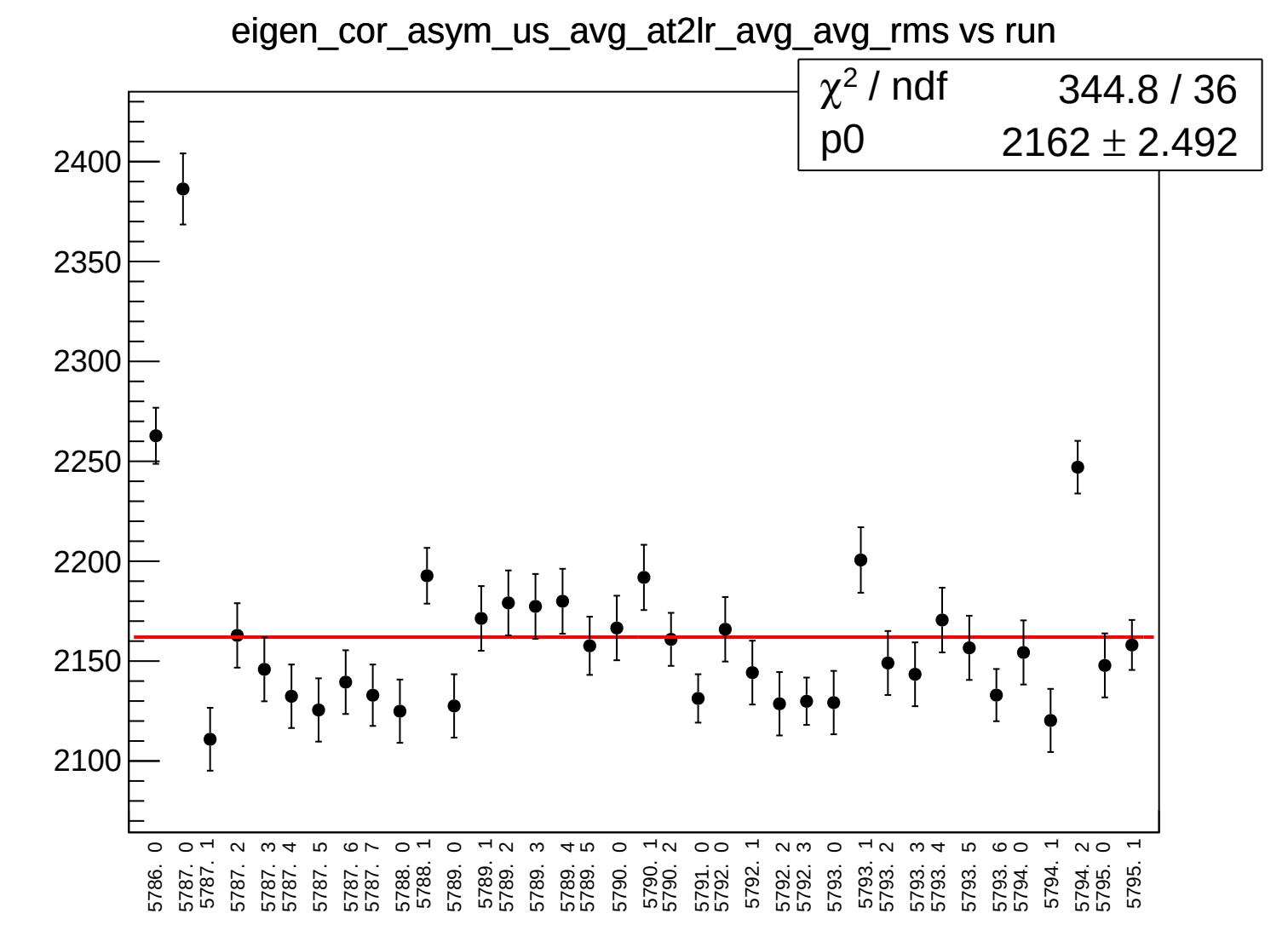

asym_us_avg_at2lr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.41 / 36
p0 −2.693e+04 ± 1.633e+04
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.13
Std Dev 0
2
1
0
−1
−2

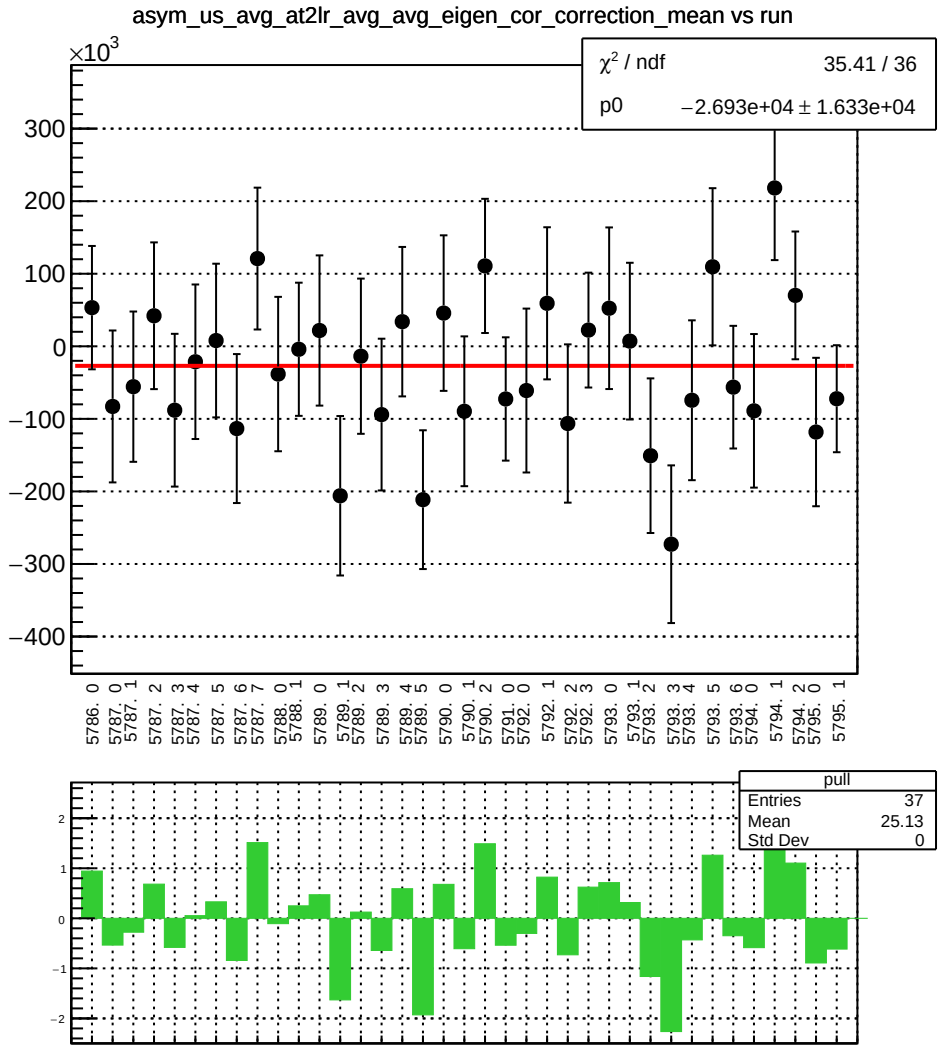

pull1D
Entries 37
Mean −0.01578
Std Dev 0.9782
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

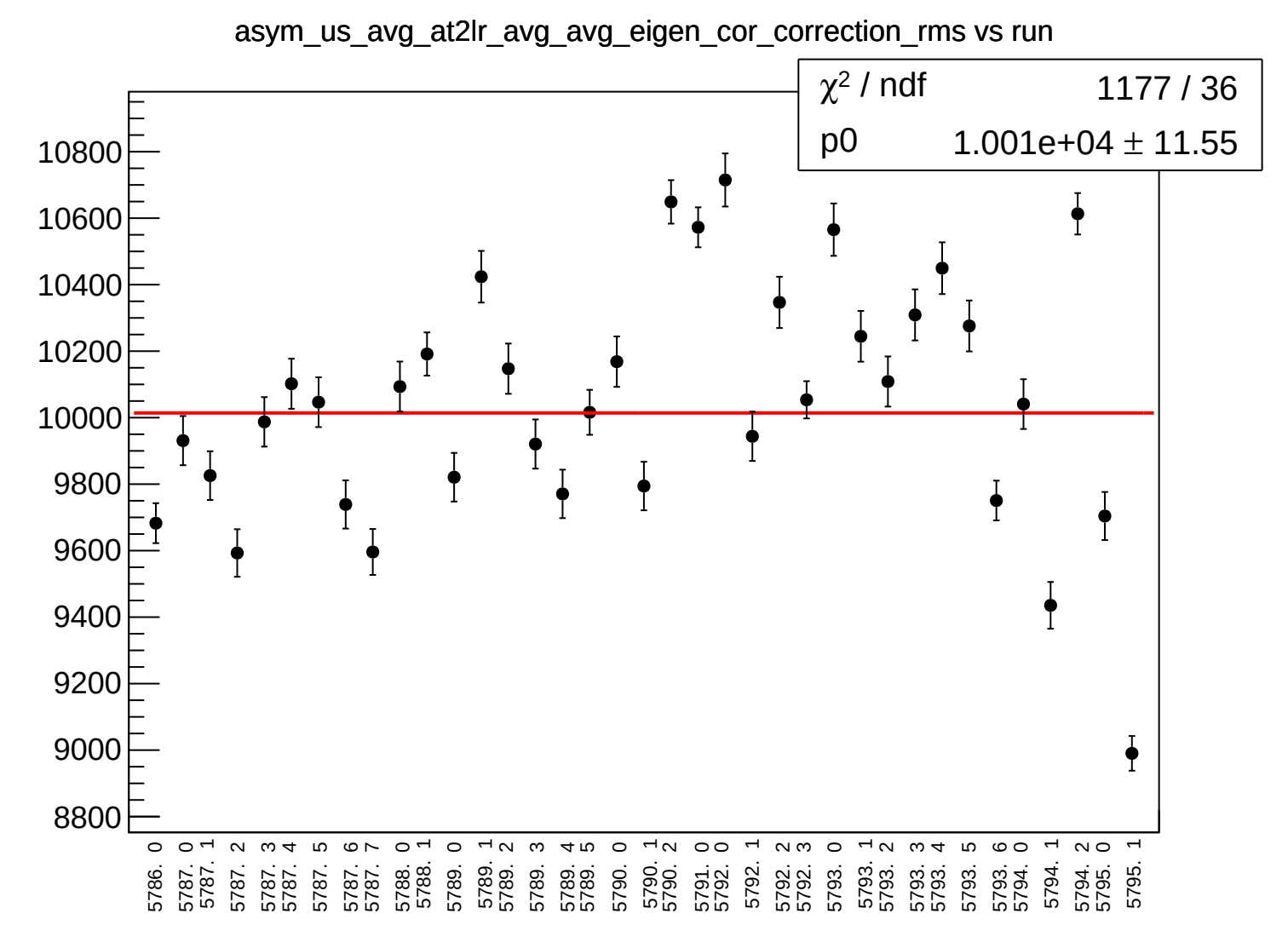

asym_us_avg_at2lr_avg_avg_cor_correction_rms vs run
χ² / ndf 1177 / 36
p0 1.001e+04 ± 11.55
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

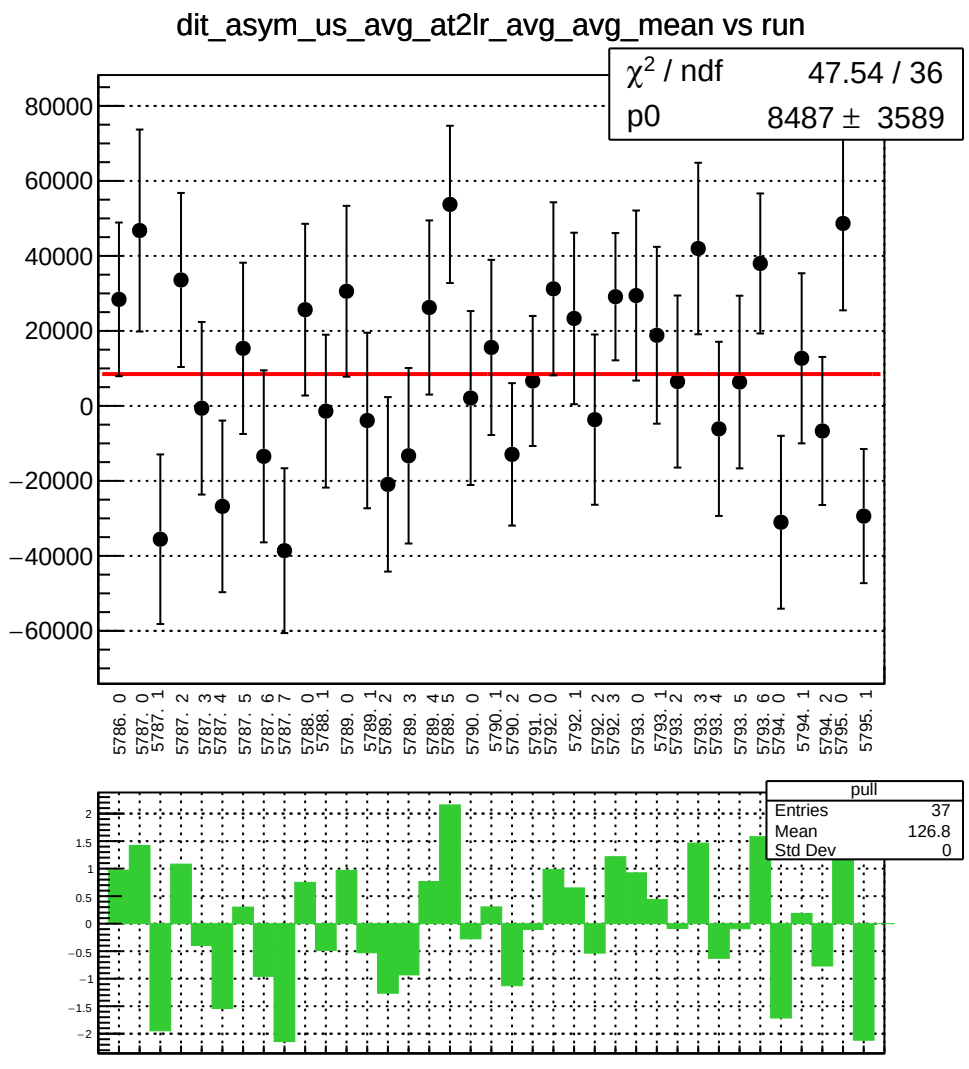

eigen_cor_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.06 / 36
p0 7371 ± 3524
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1593
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

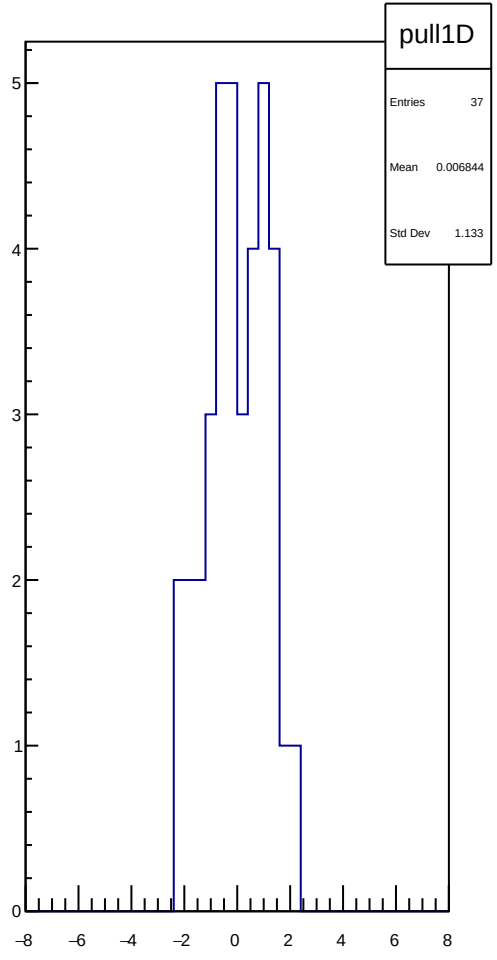

pull1D
Entries 37
Mean −0.000982
Std Dev 1.128
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

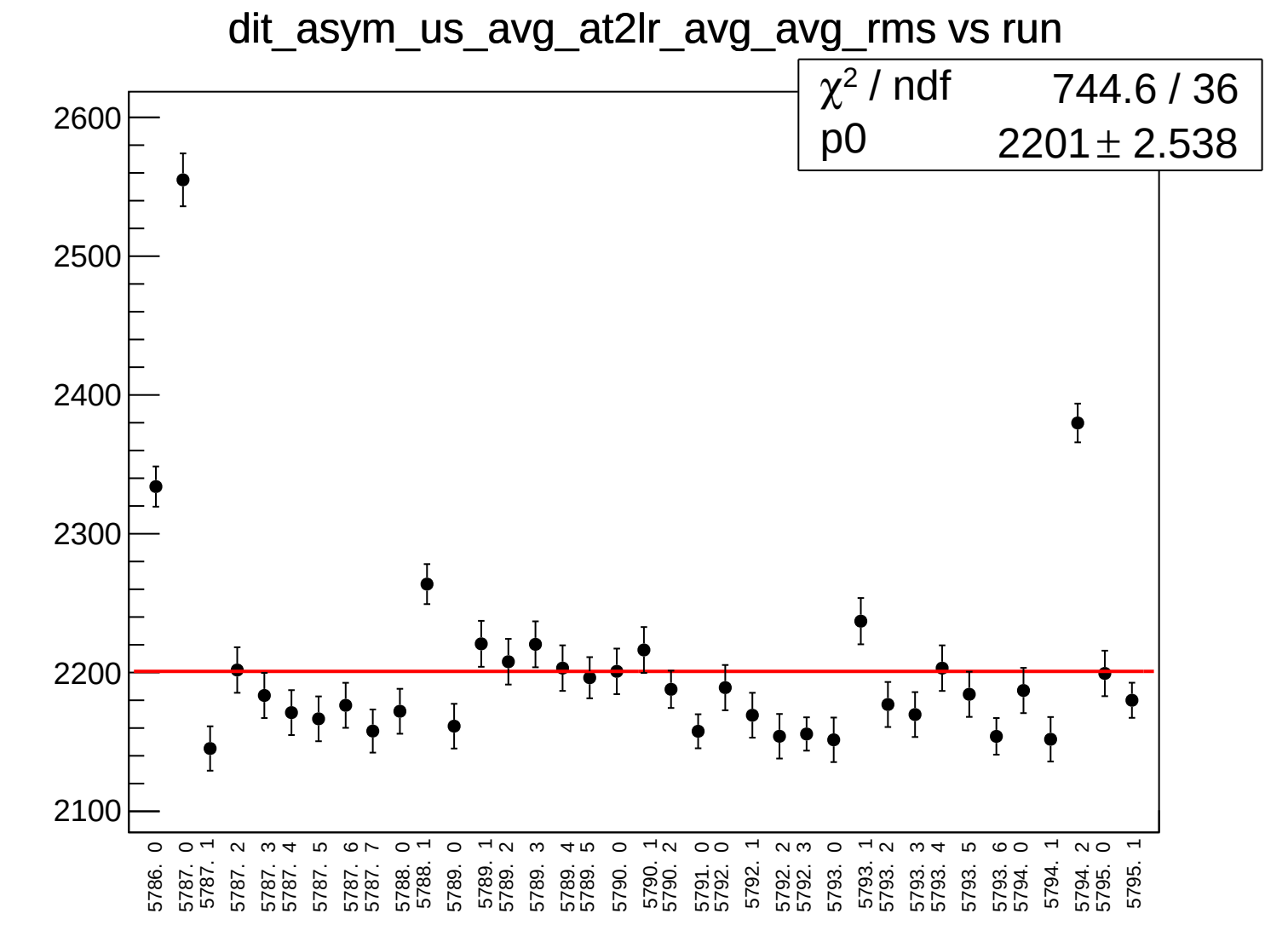

eigen_cor_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 344.8 / 36
p0 2162 ± 2.492
2400
2350
2300
2250
2200
2150
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

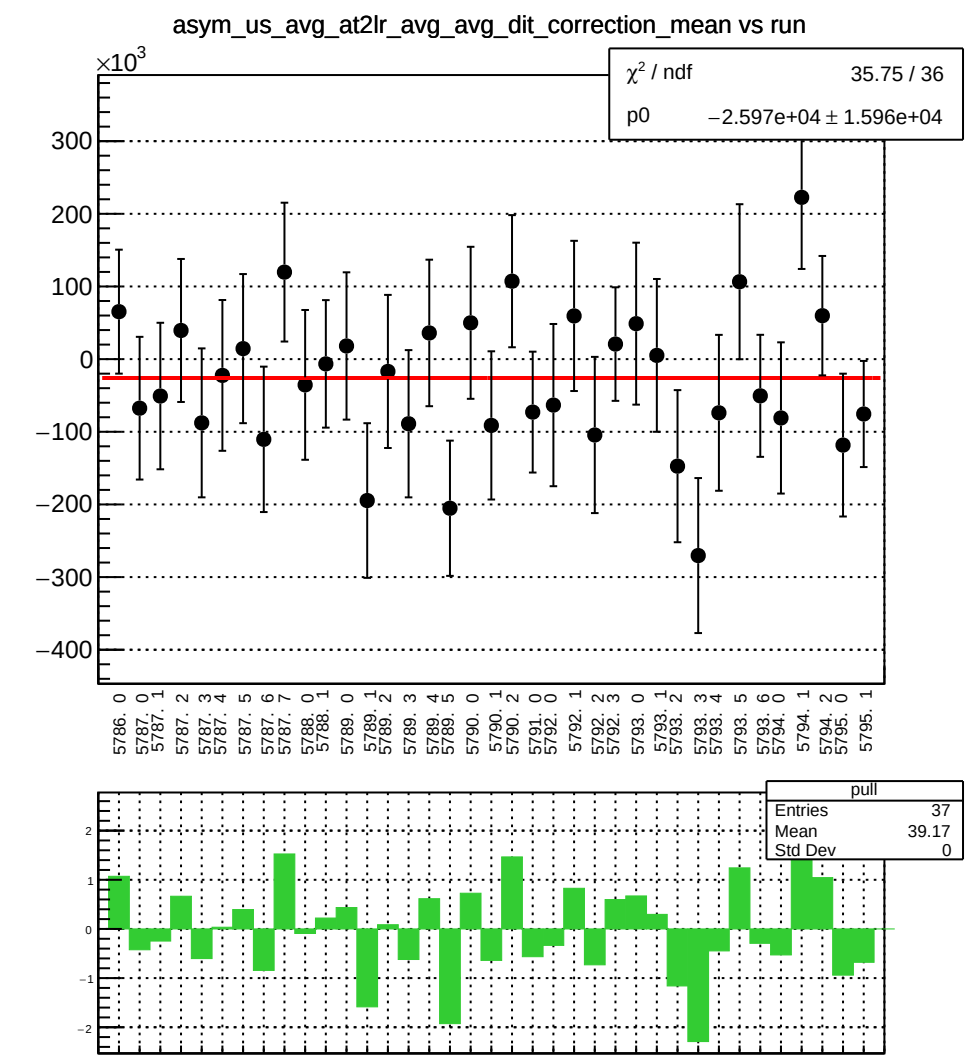

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.41 / 36
p0 −2.693e+04 ± 1.633e+04
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.13
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01578
Std Dev 0.9782
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

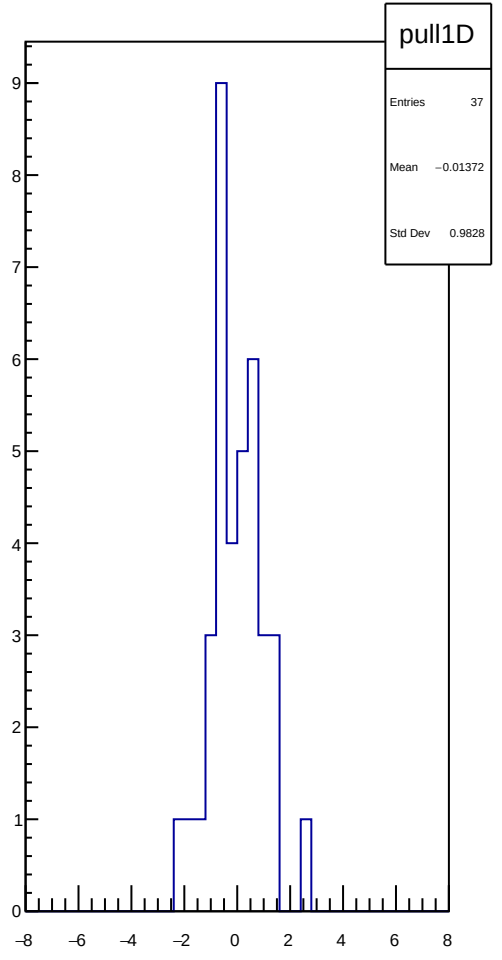

asym_us_avg_at2lr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1177 / 36
p0 1.001e+04 ± 11.55
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

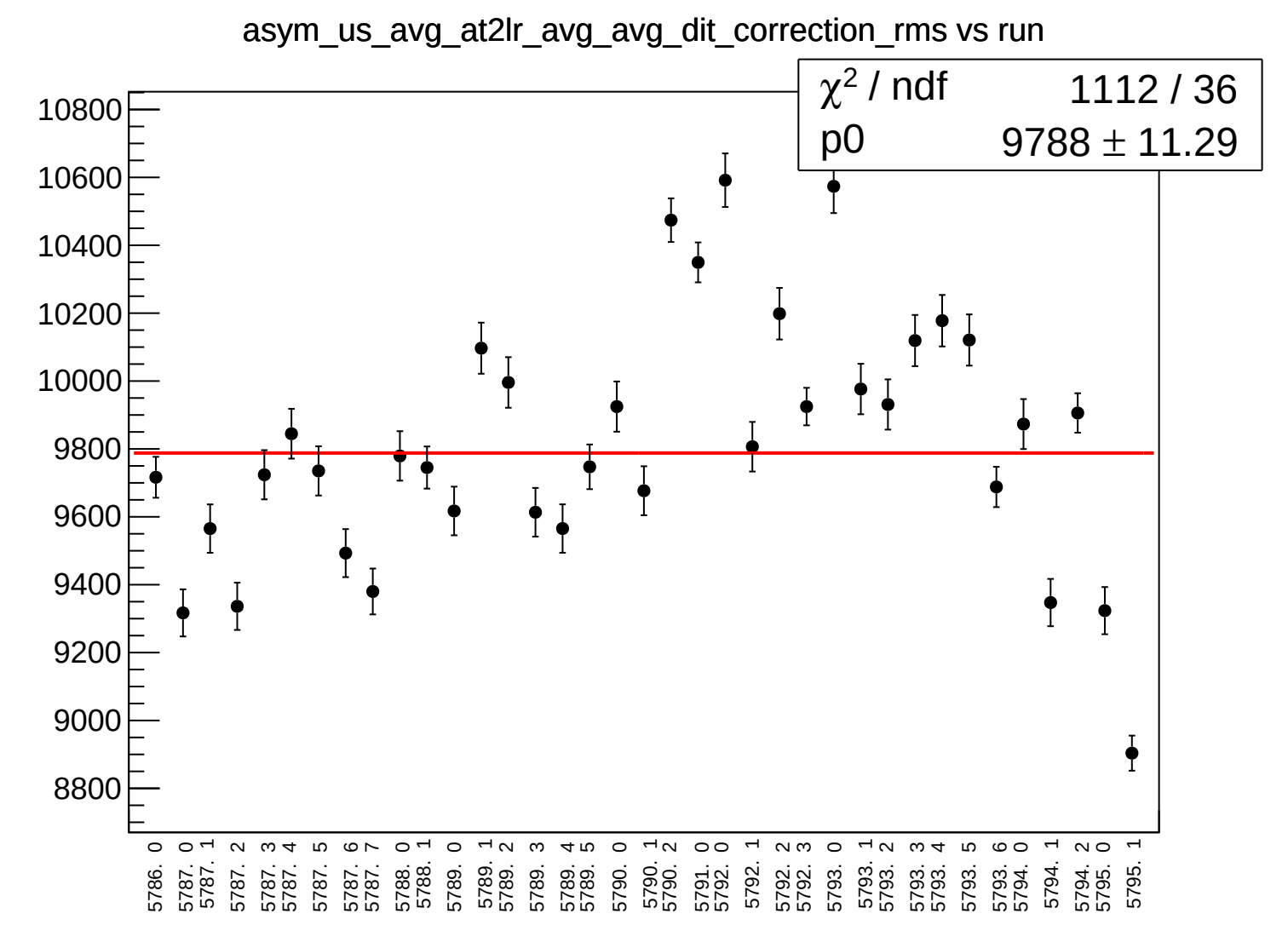

dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.54 / 36
p0 8487 ± 3589
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 126.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

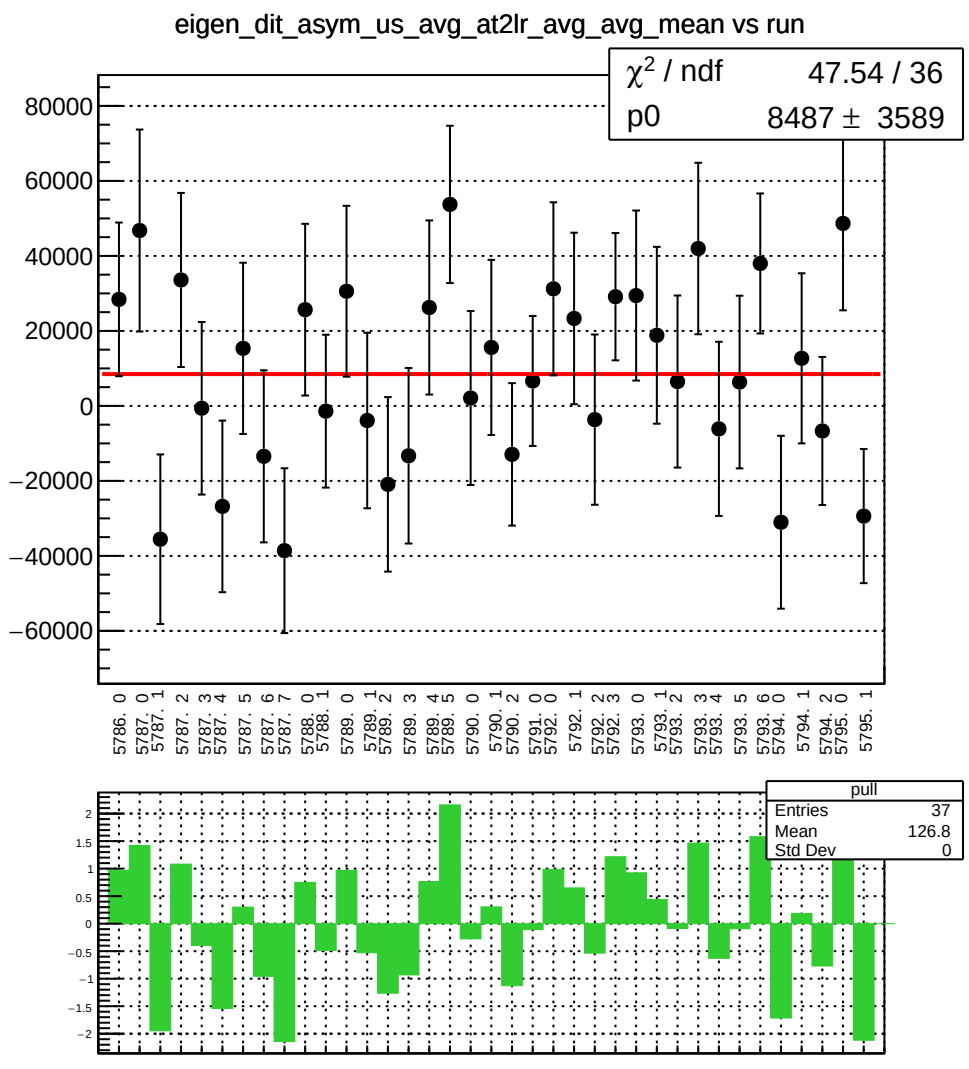

pull1D
Entries 37
Mean 0.006844
Std Dev 1.133
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

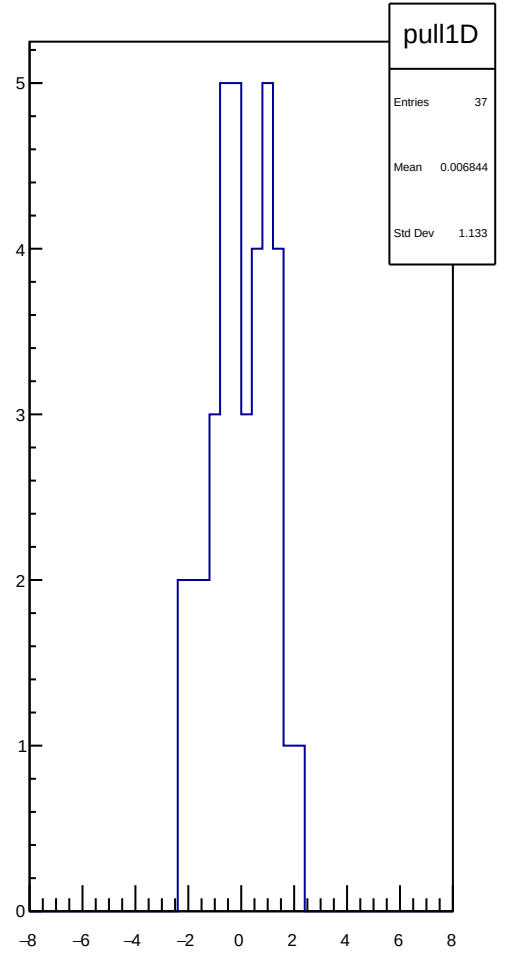

dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 744.6 / 36
p0 2201 ± 2.538
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

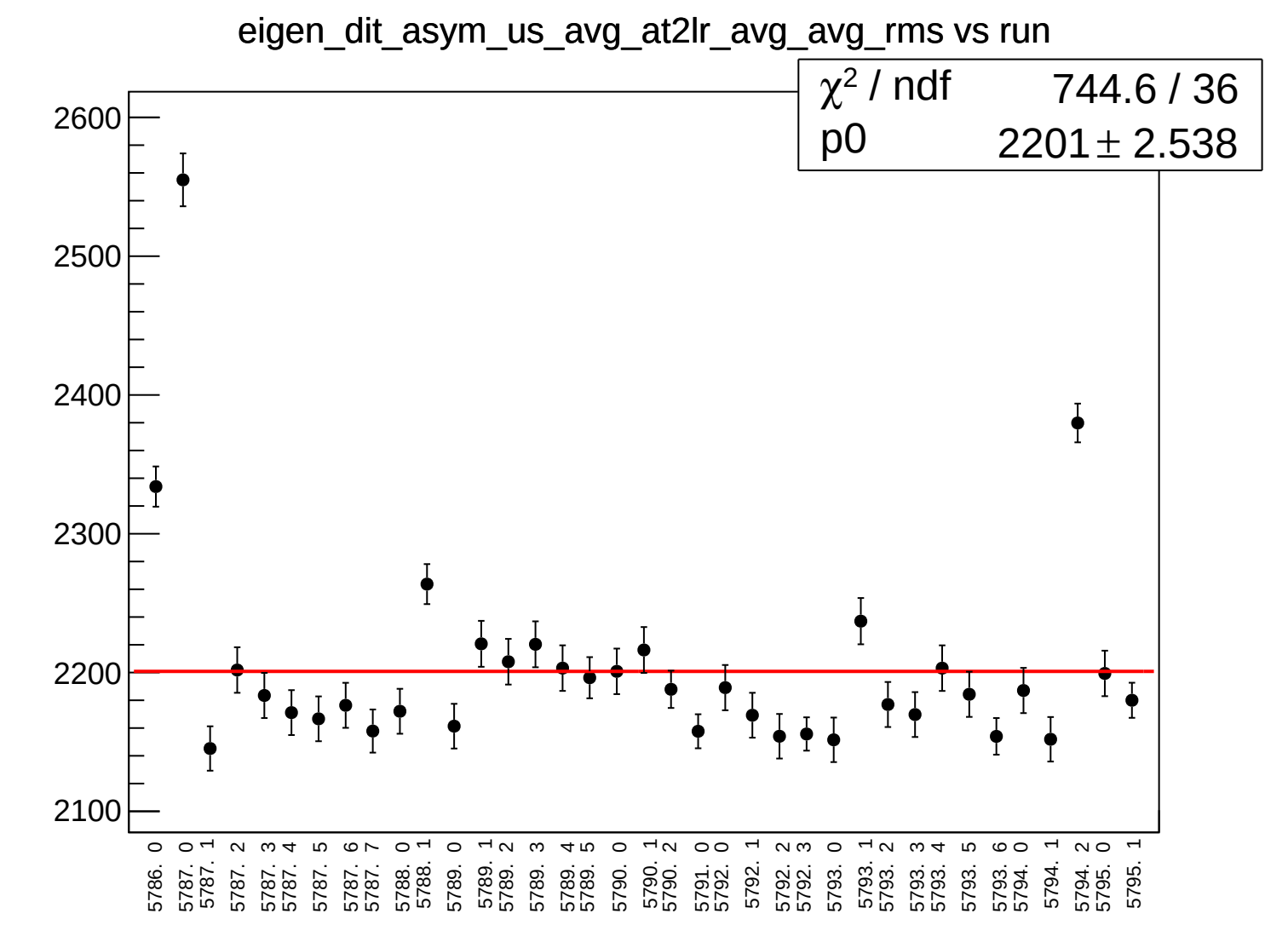

asym_us_avg_at2lr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 35.75 / 36
p0 −2.597e+04 ± 1.596e+04
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.17
Std Dev 0
2
1
0
−1
−2

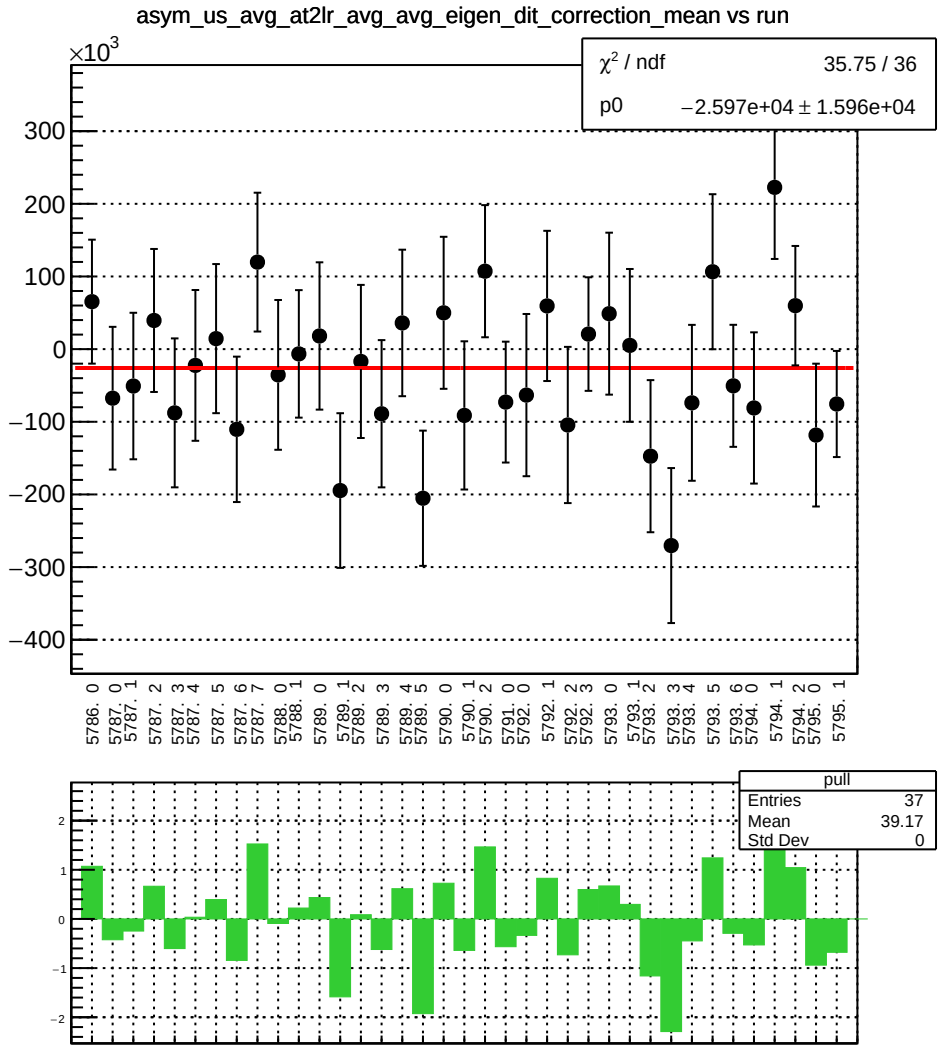

pull1D
Entries 37
Mean −0.01372
Std Dev 0.9828
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

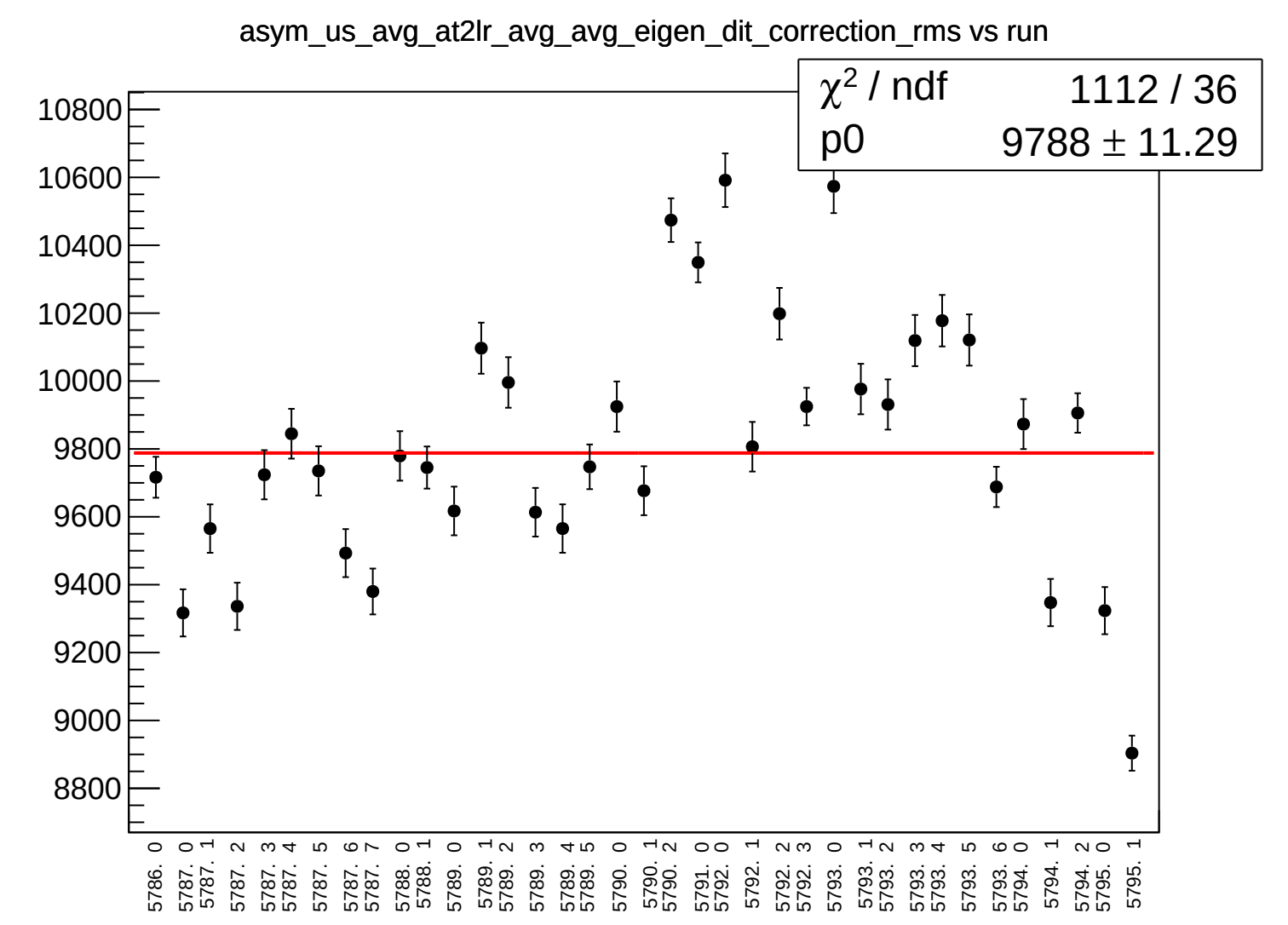

asym_us_avg_at2lr_avg_avg_dit_correction_rms vs run
χ² / ndf 1112 / 36
p0 9788 ± 11.29
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

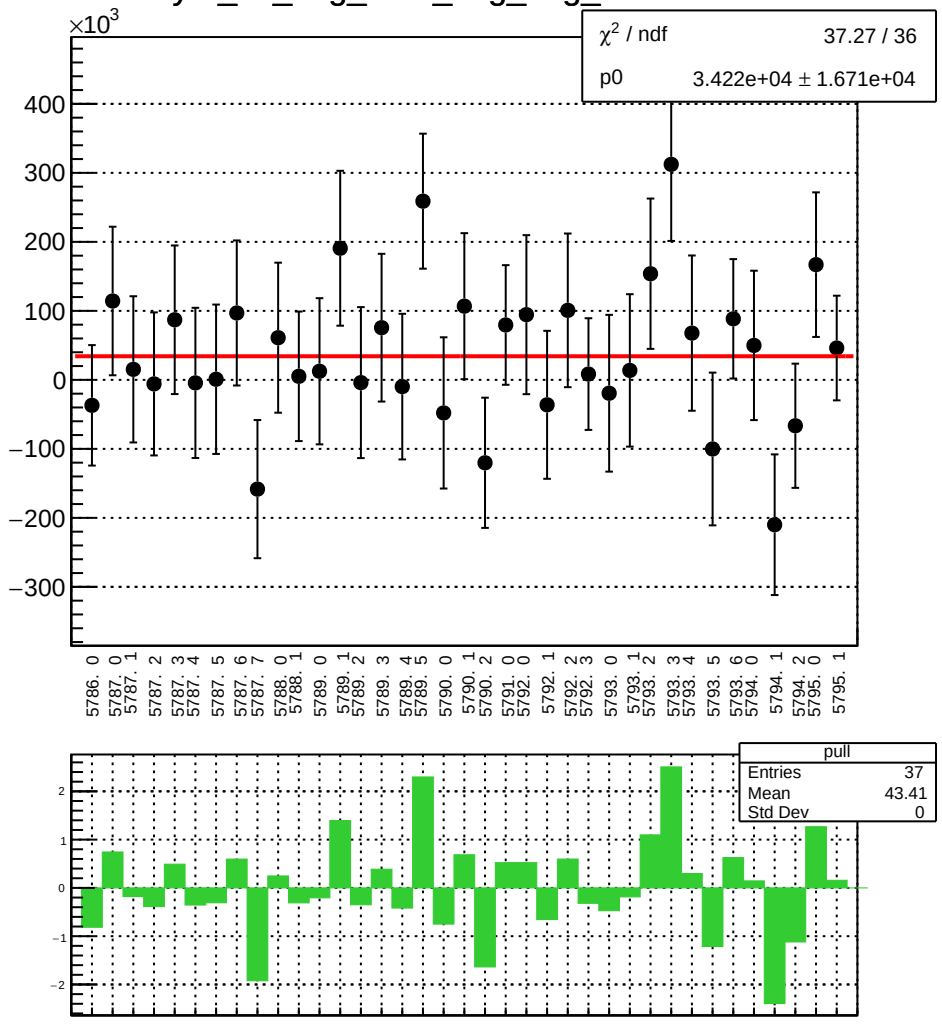

eigen_dit_asym_us_avg_at2lr_avg_avg_mean vs run
χ² / ndf 47.54 / 36
p0 8487 ± 3589
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 126.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

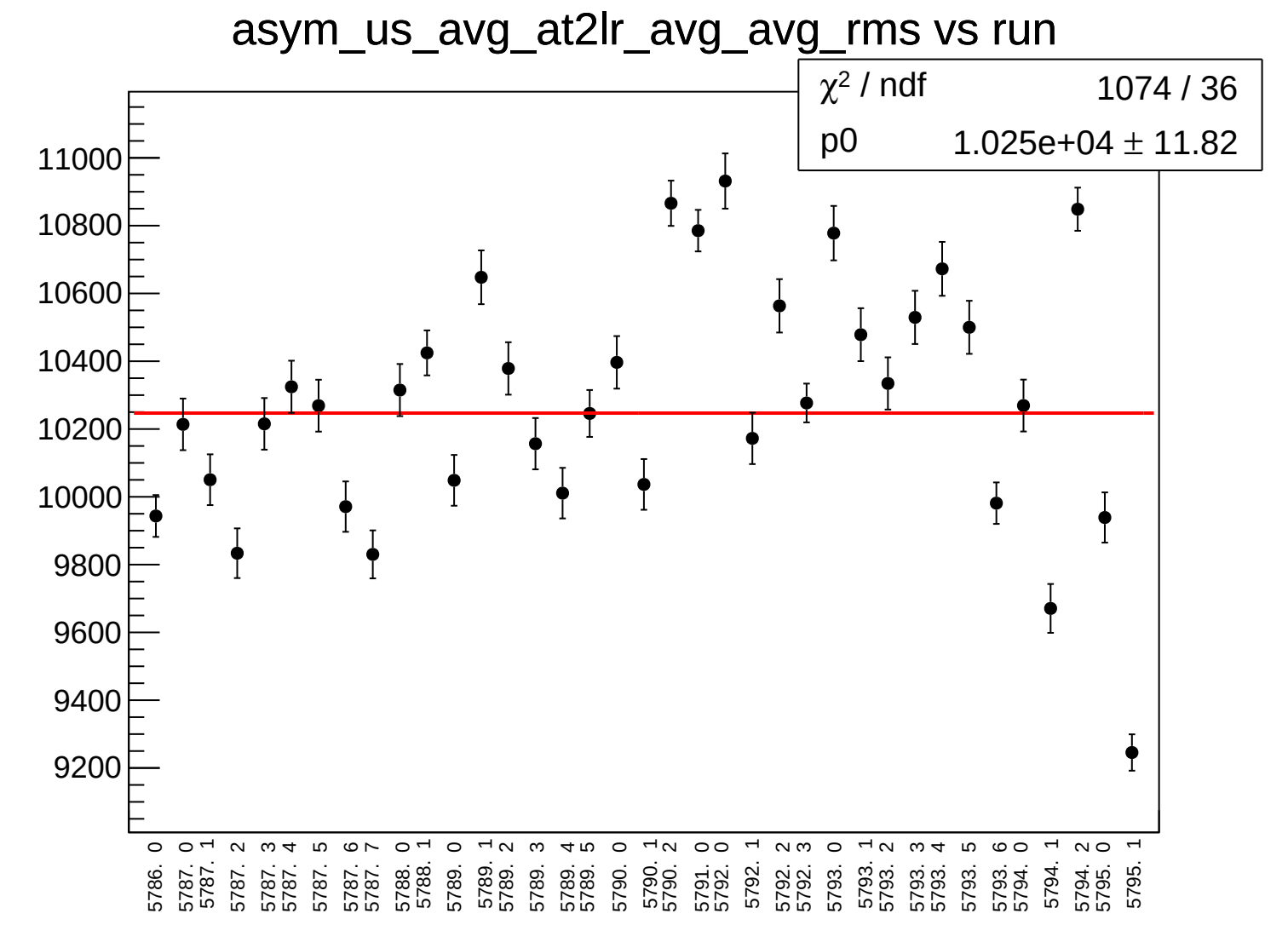

pull1D
Entries 37
Mean 0.006844
Std Dev 1.133
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

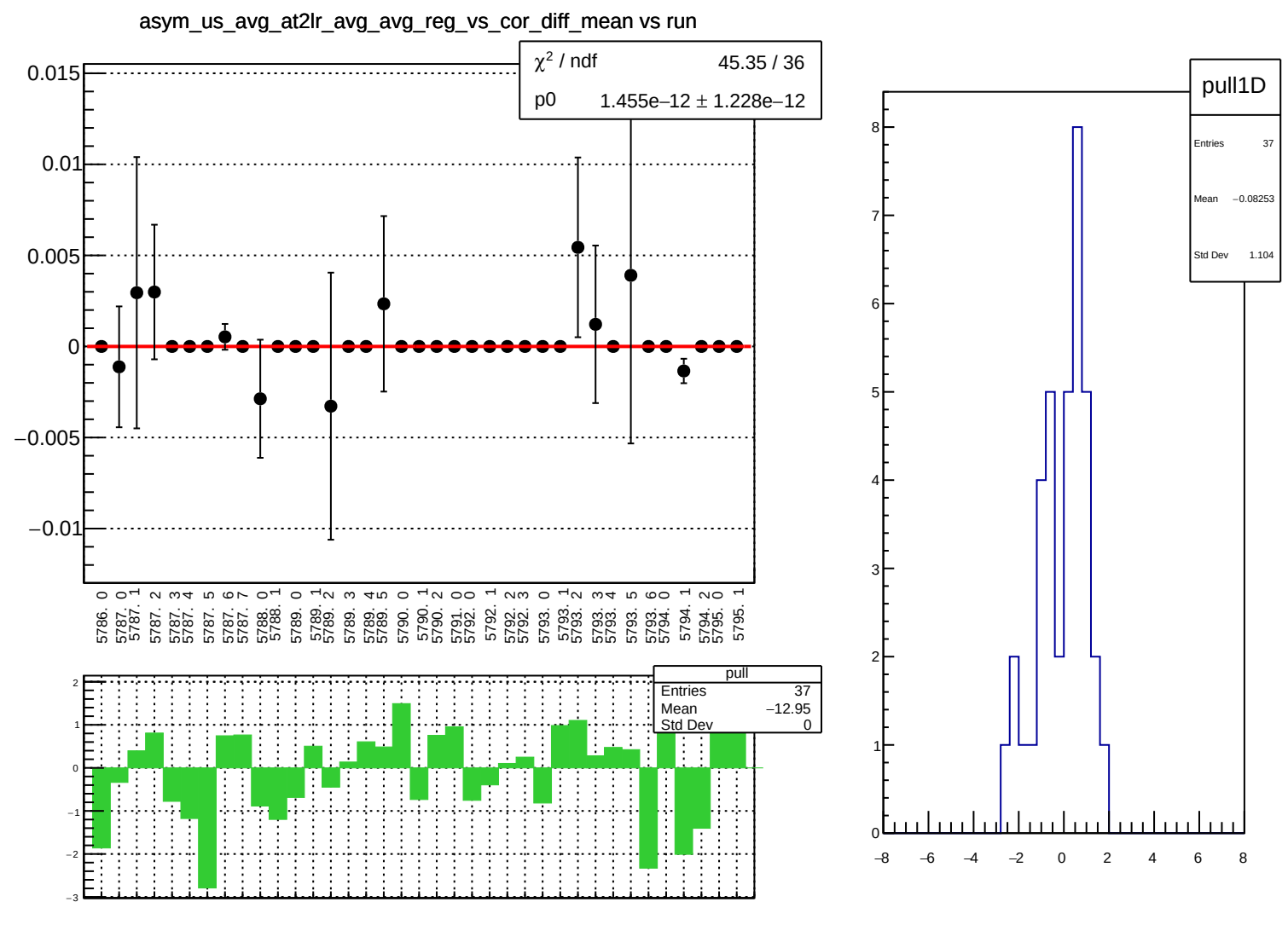

eigen_dit_asym_us_avg_at2lr_avg_avg_rms vs run
χ² / ndf 744.6 / 36
p0 2201 ± 2.538
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

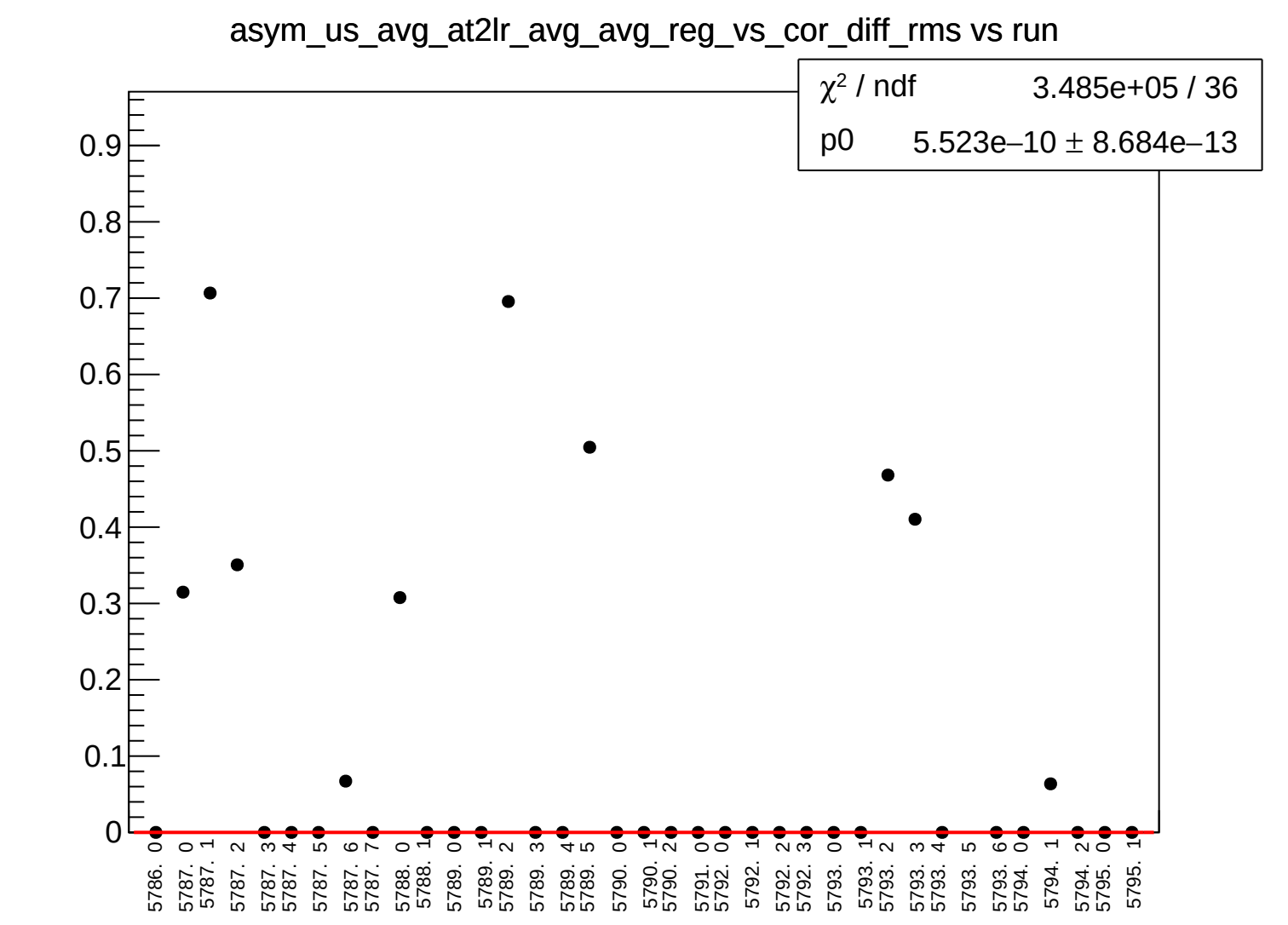

asym_us_avg_at2lr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 35.75 / 36
p0 −2.597e+04 ± 1.596e+04
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01372
Std Dev 0.9828
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1112 / 36
p0 9788 ± 11.29
10800
10600
10400
10200
10000
9800
9600
9400
9200
9000
8800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_at2lr_avg_avg_mean vs run
×10^3
χ² / ndf 37.27 / 36
p0 3.422e+04 ± 1.671e+04
400
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 43.41
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01598
Std Dev 1.004
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 1074 / 36
p0 1.025e+04 ± 11.82
11000
10800
10600
10400
10200
10000
9800
9600
9400
9200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 45.35 / 36
p0 1.455e−12 ± 1.228e−12
0.015
0.01
0.005
0
−0.005
−0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.95
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.08253
Std Dev 1.104
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_avg_at2lr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.485e+05 / 36
p0 5.523e−10 ± 8.684e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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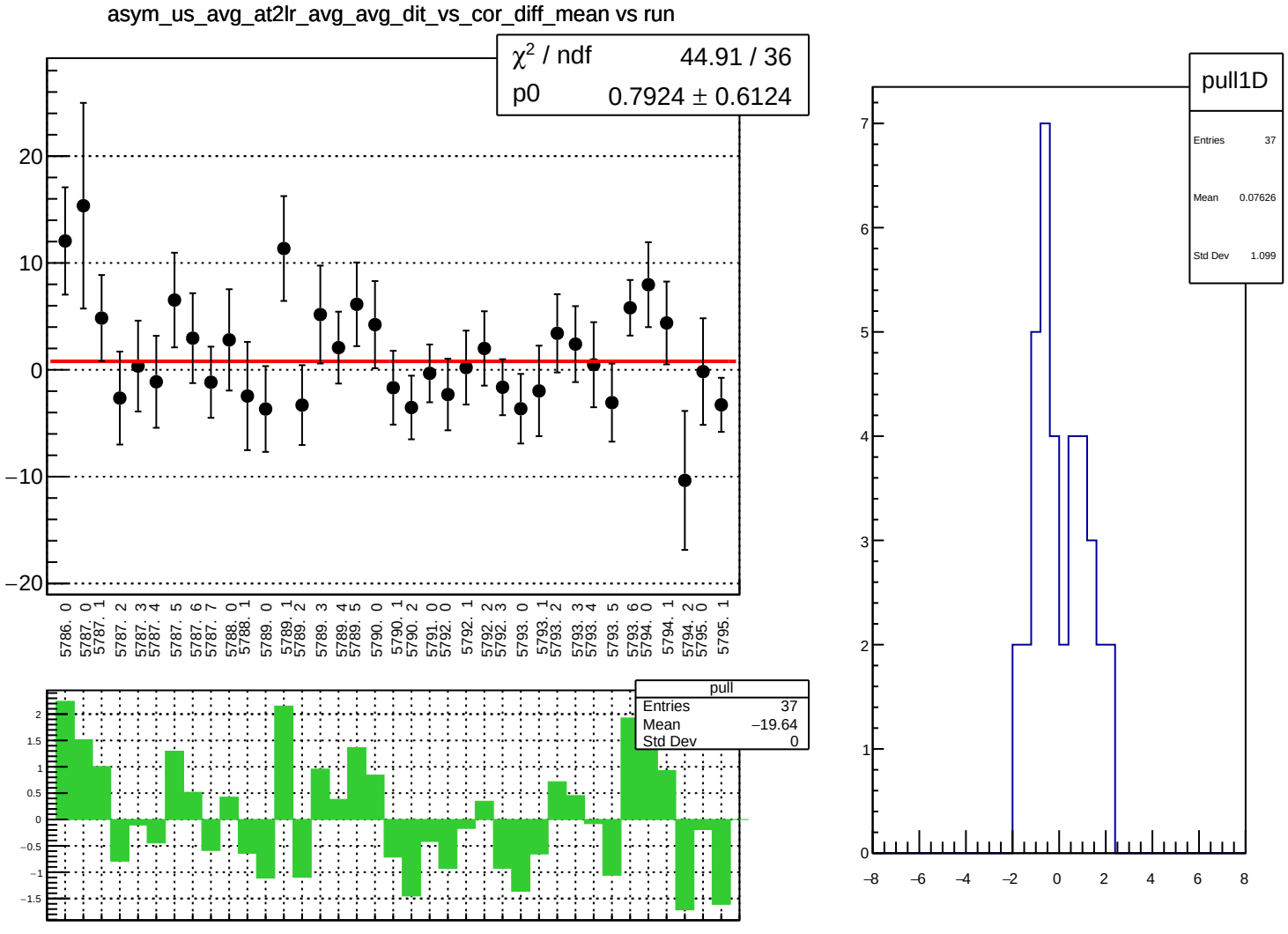
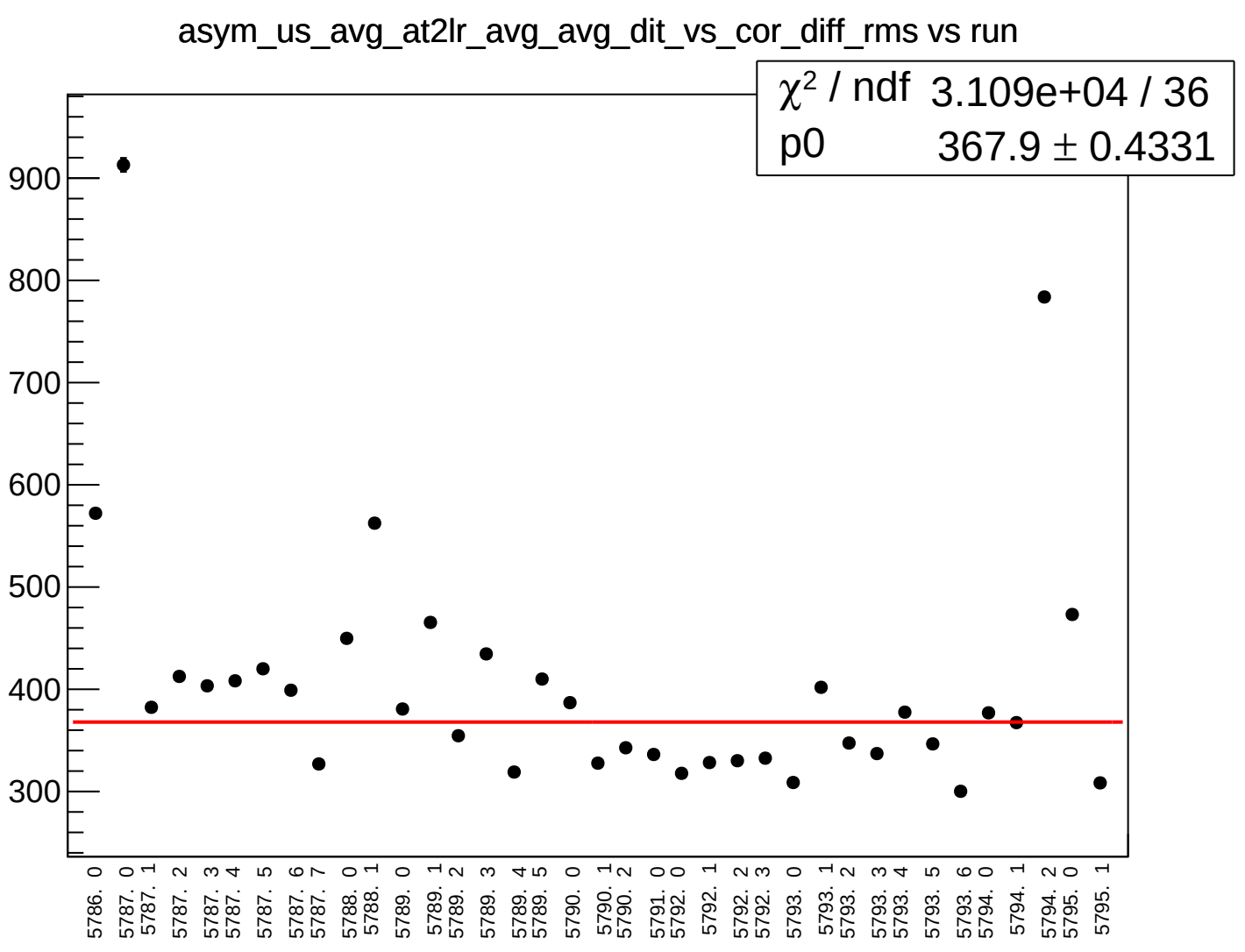
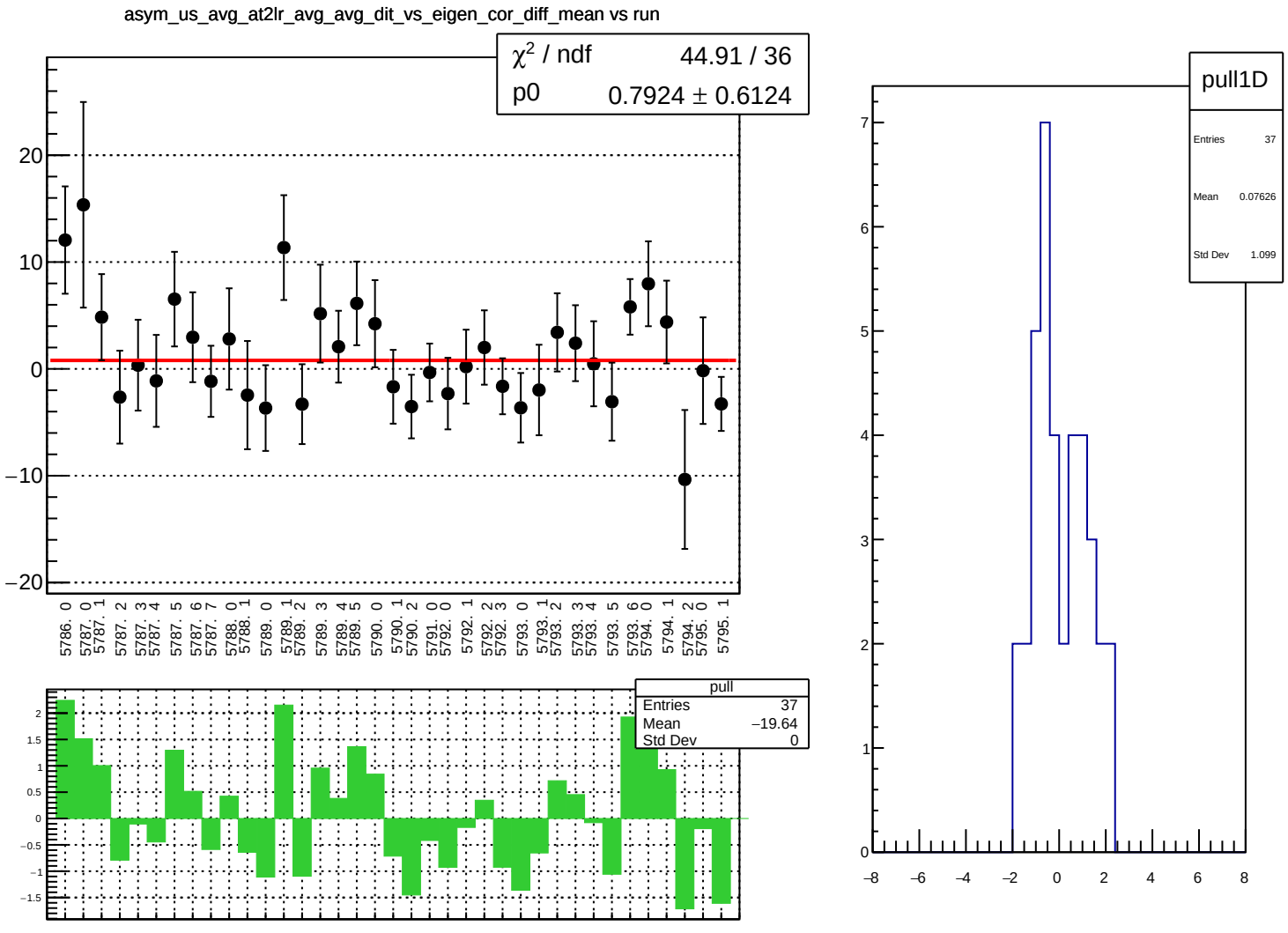
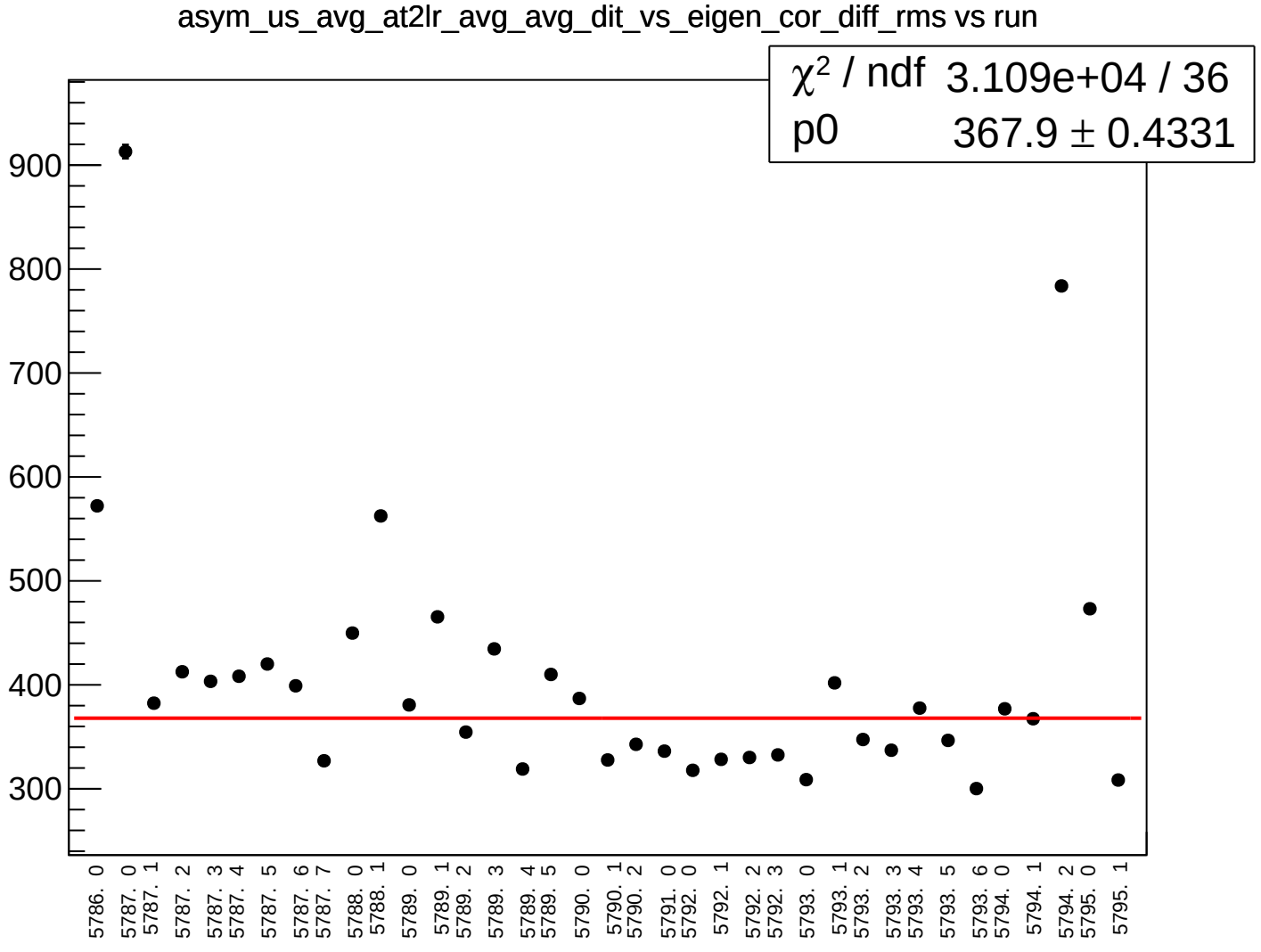
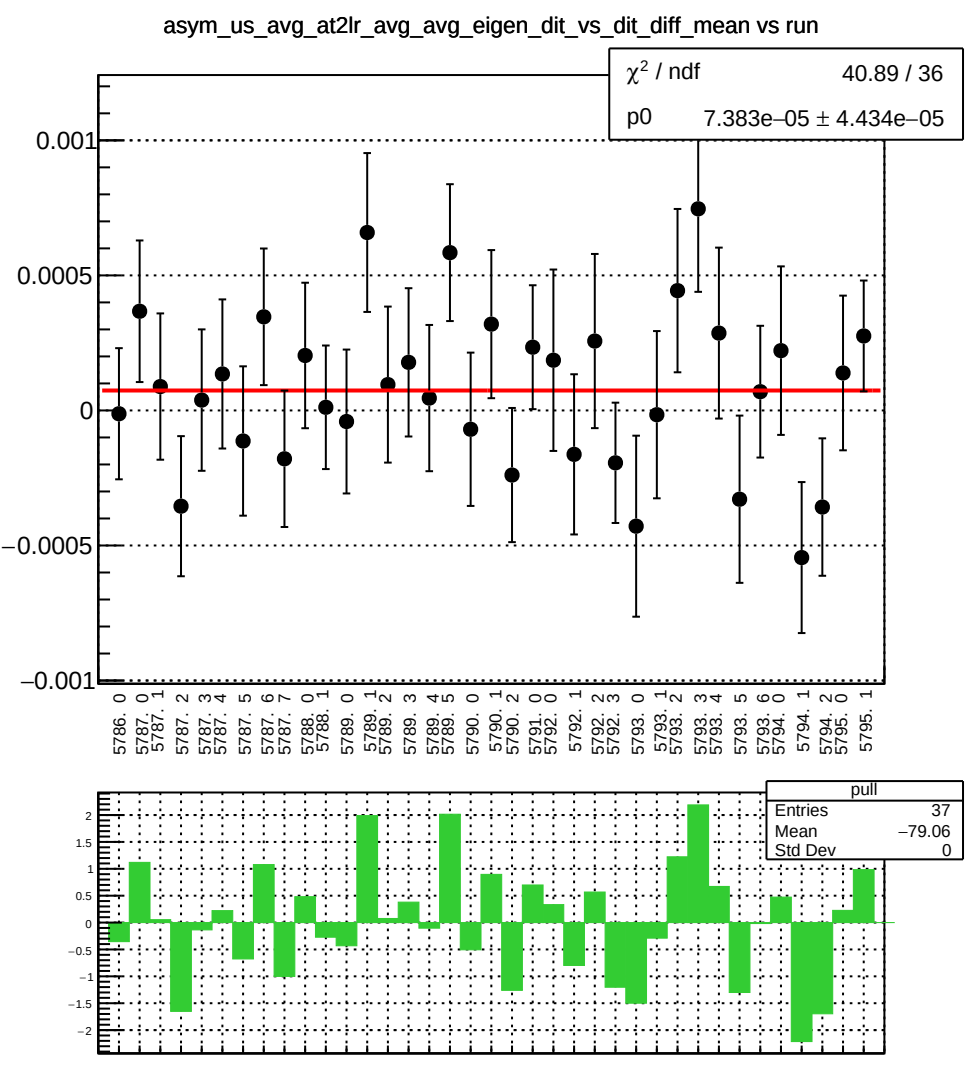
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

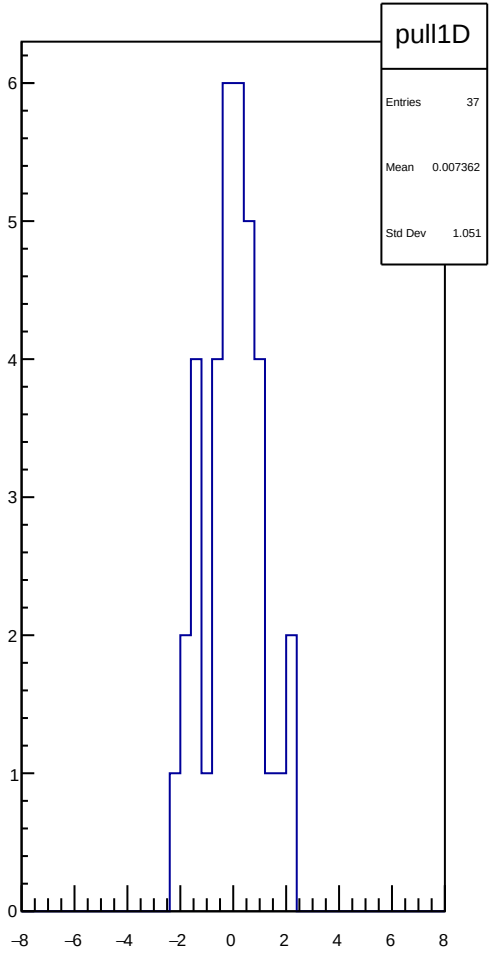

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.91 / 36
p0 0.7924 ± 0.6124
pull
Entries 37
Mean −19.64
Std Dev 0
pull1D
Entries 37
Mean 0.07626
Std Dev 1.099

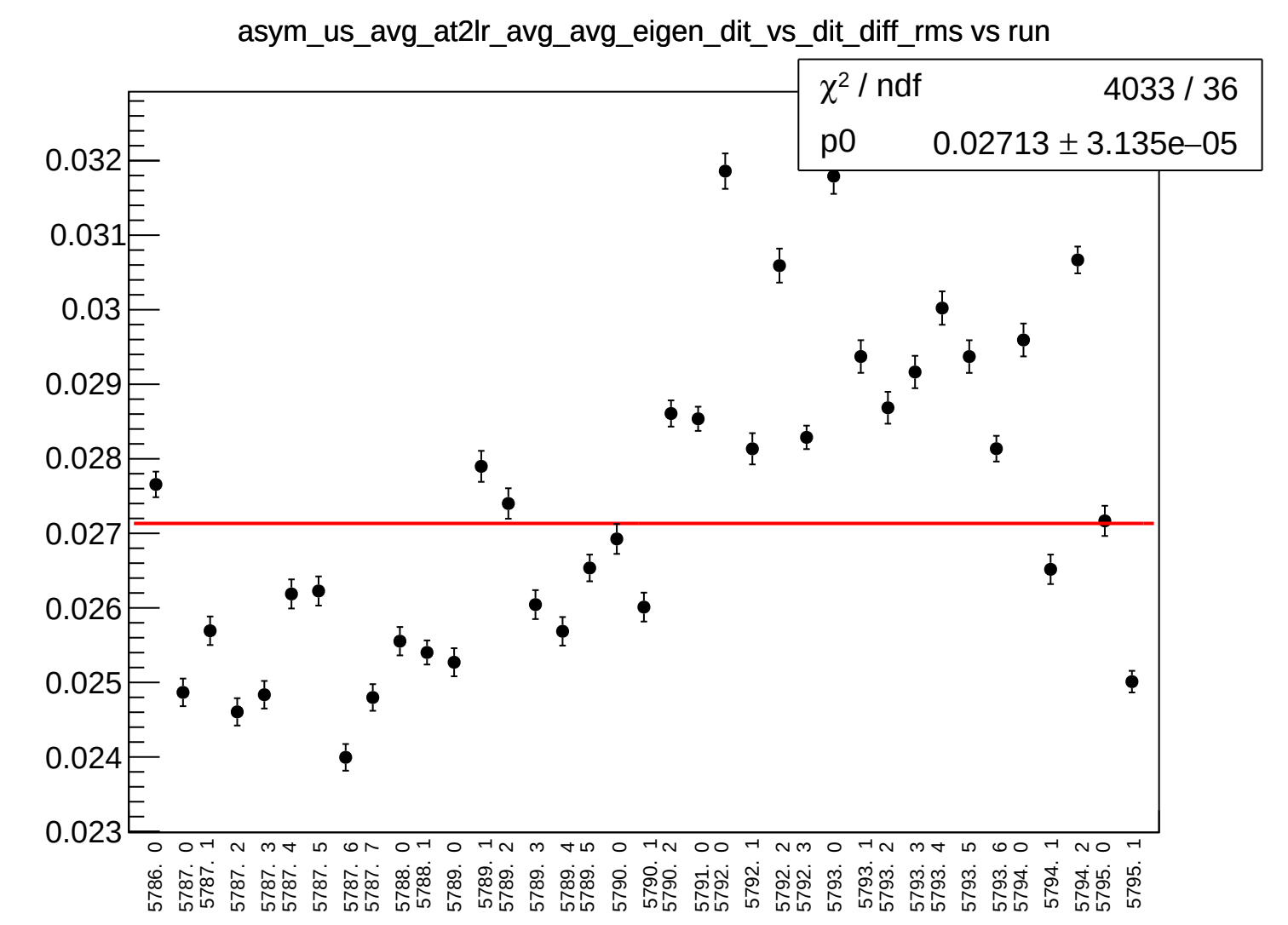

asym_us_avg_at2lr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.109e+04 / 36
p0 367.9 ± 0.4331
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

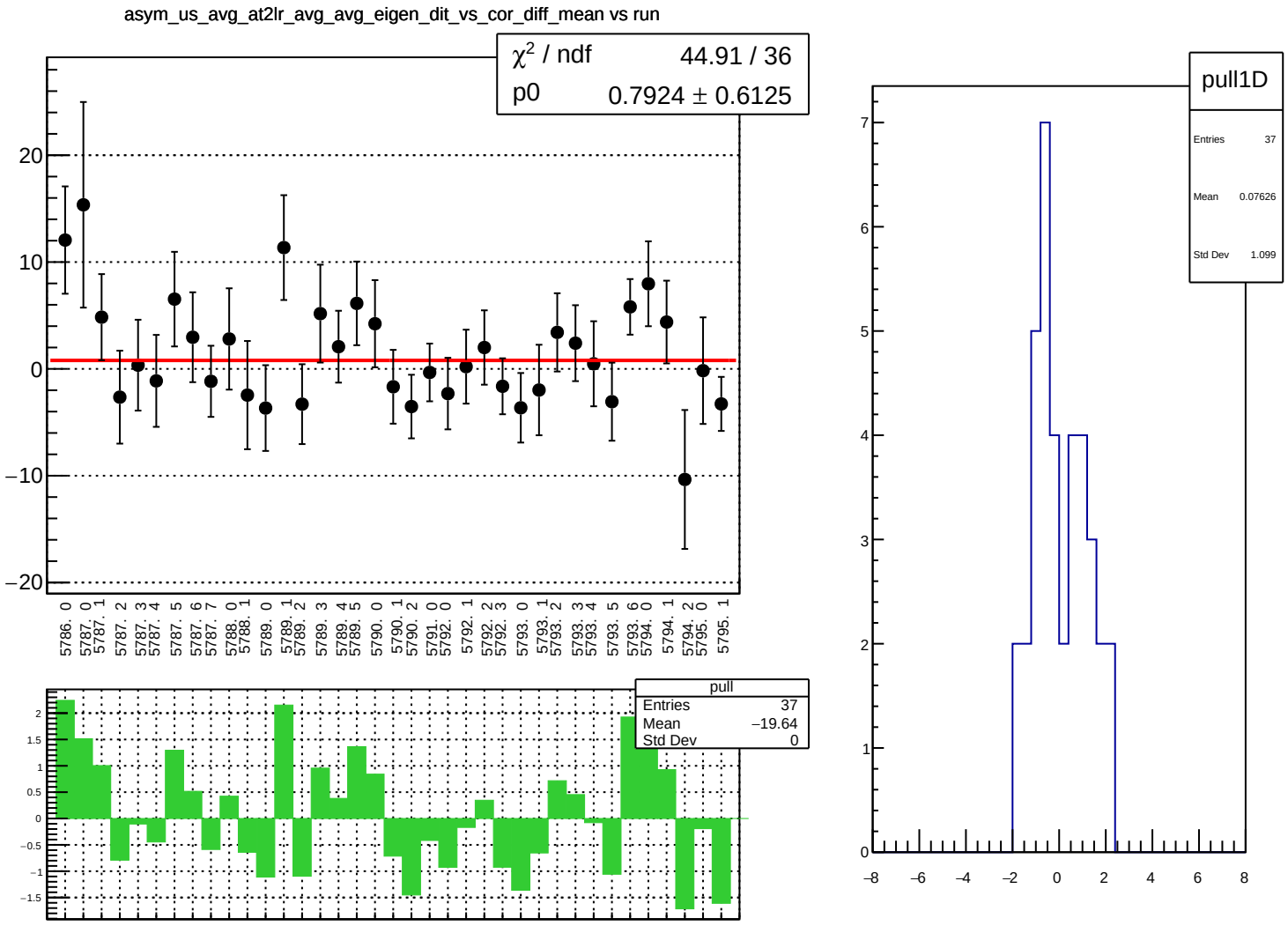

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.91 / 36
p0 0.7924 ± 0.6124
pull
Entries 37
Mean −19.64
Std Dev 0
pull1D
Entries 37
Mean 0.07626
Std Dev 1.099

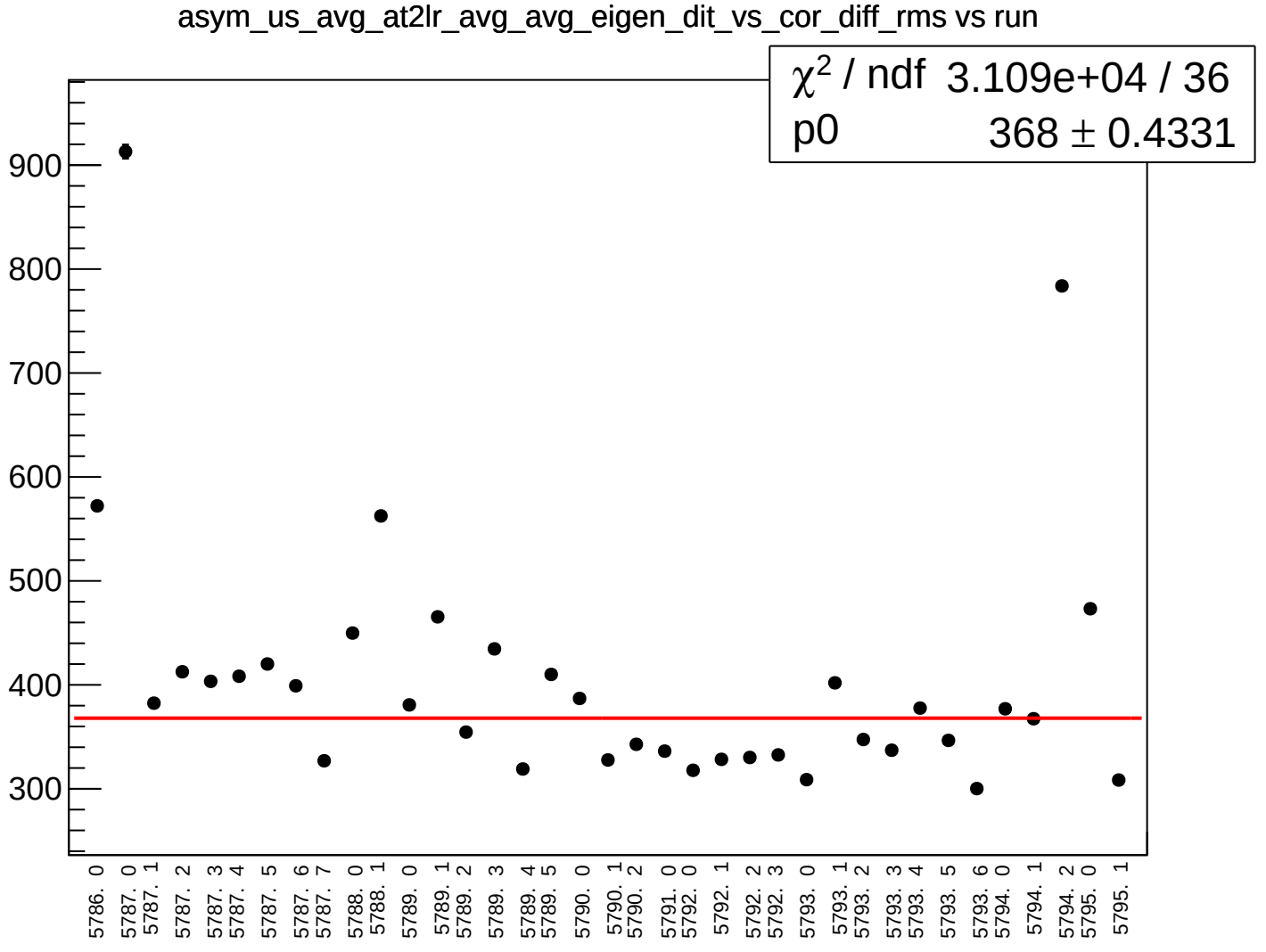

asym_us_avg_at2lr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.109e+04 / 36
p0 367.9 ± 0.4331
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

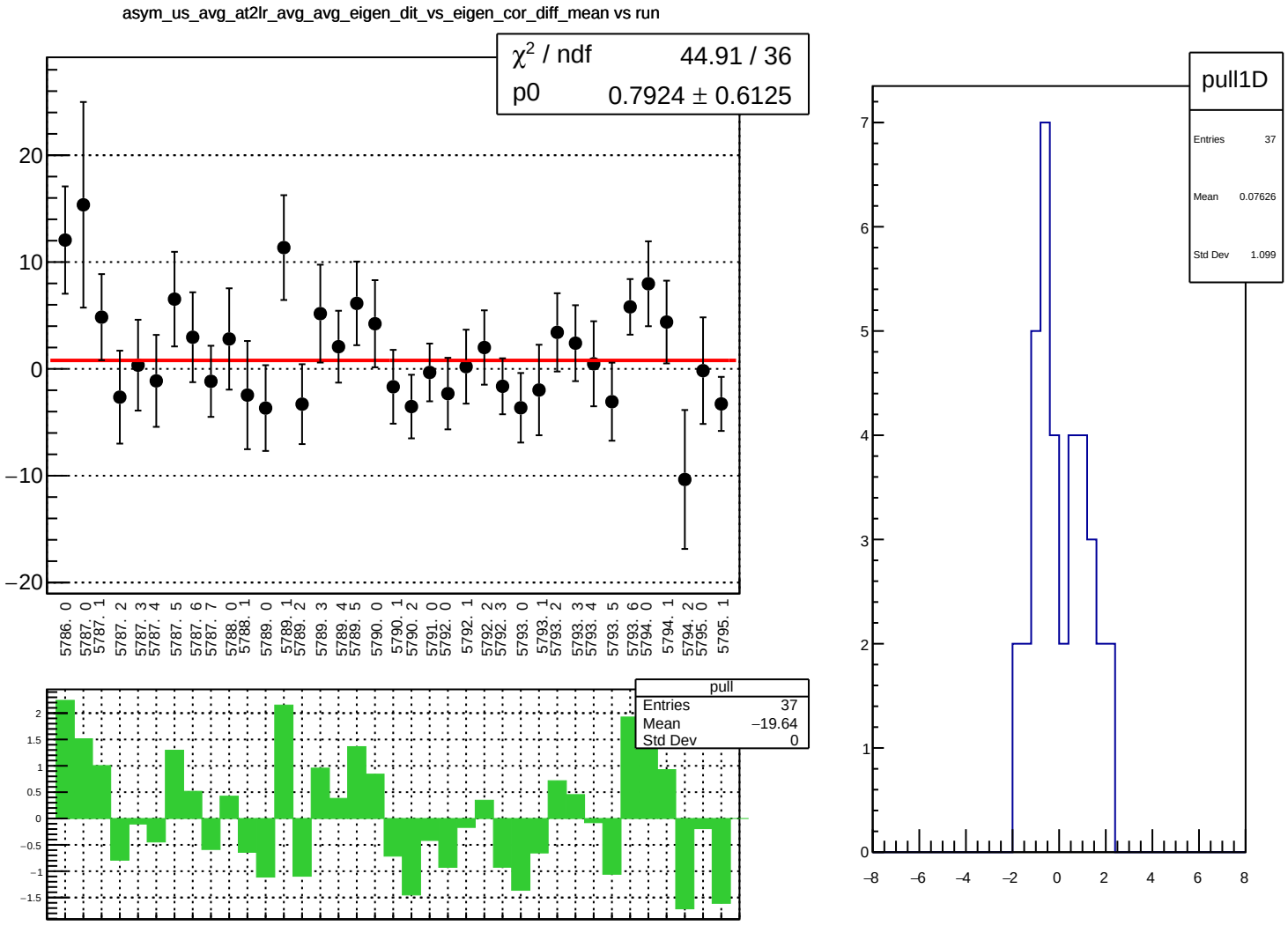

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 40.89 / 36
p0 7.383e−05 ± 4.434e−05
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −79.06
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

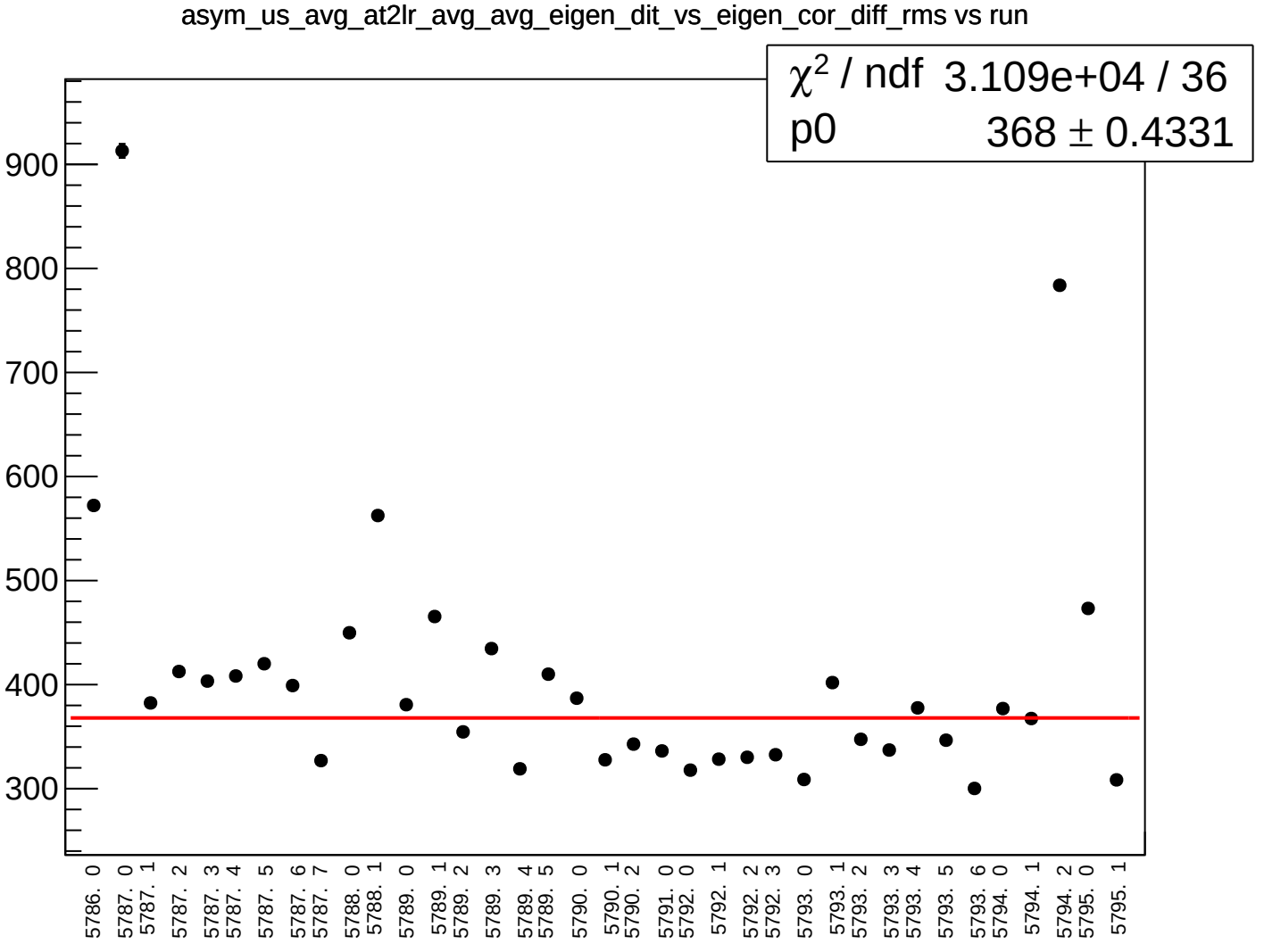

pull1D
Entries 37
Mean 0.007362
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

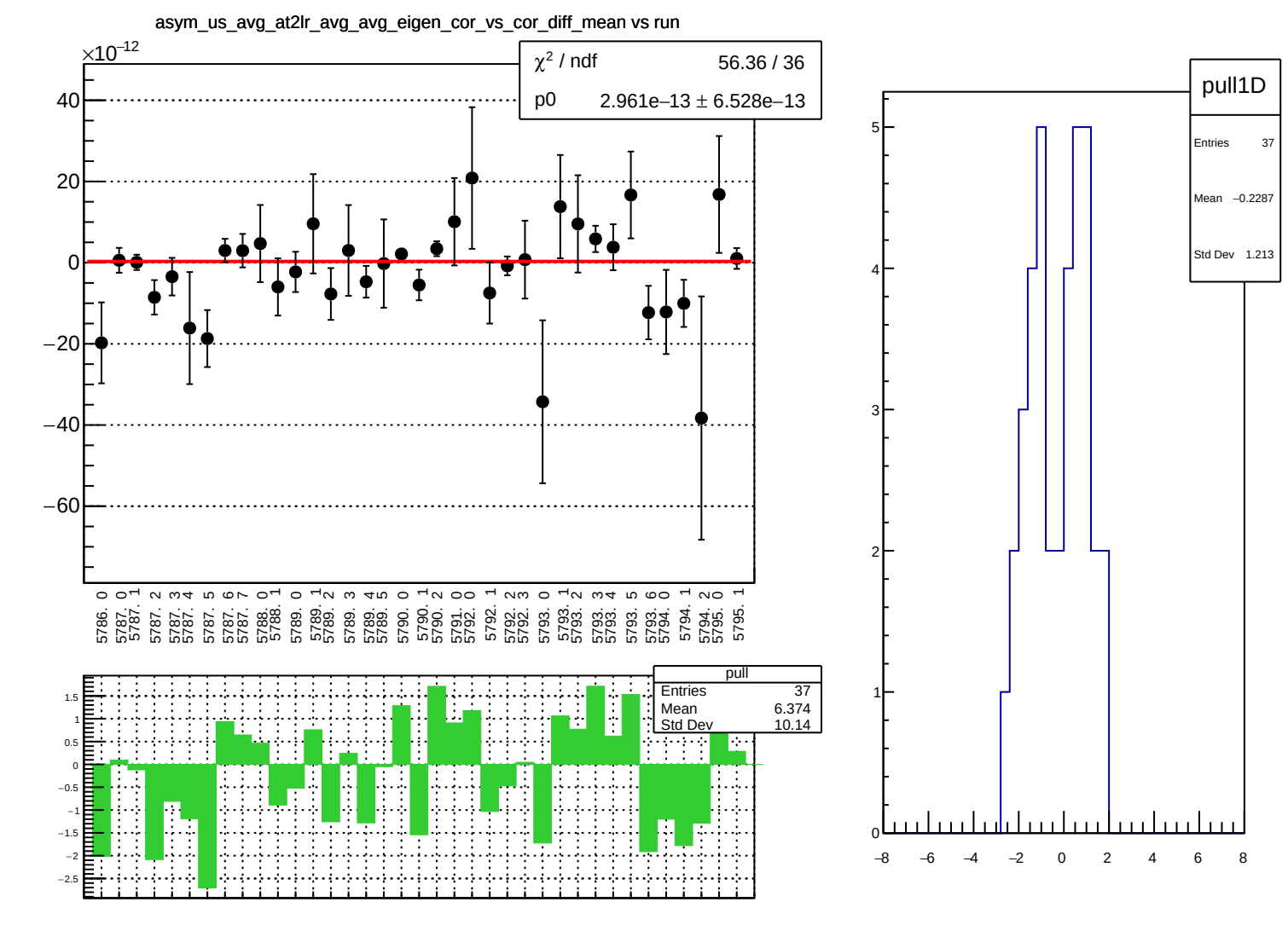

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4033 / 36
p0 0.02713 ± 3.135e−05
0.032
0.031
0.03
0.029
0.028
0.027
0.026
0.025
0.024
0.023
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

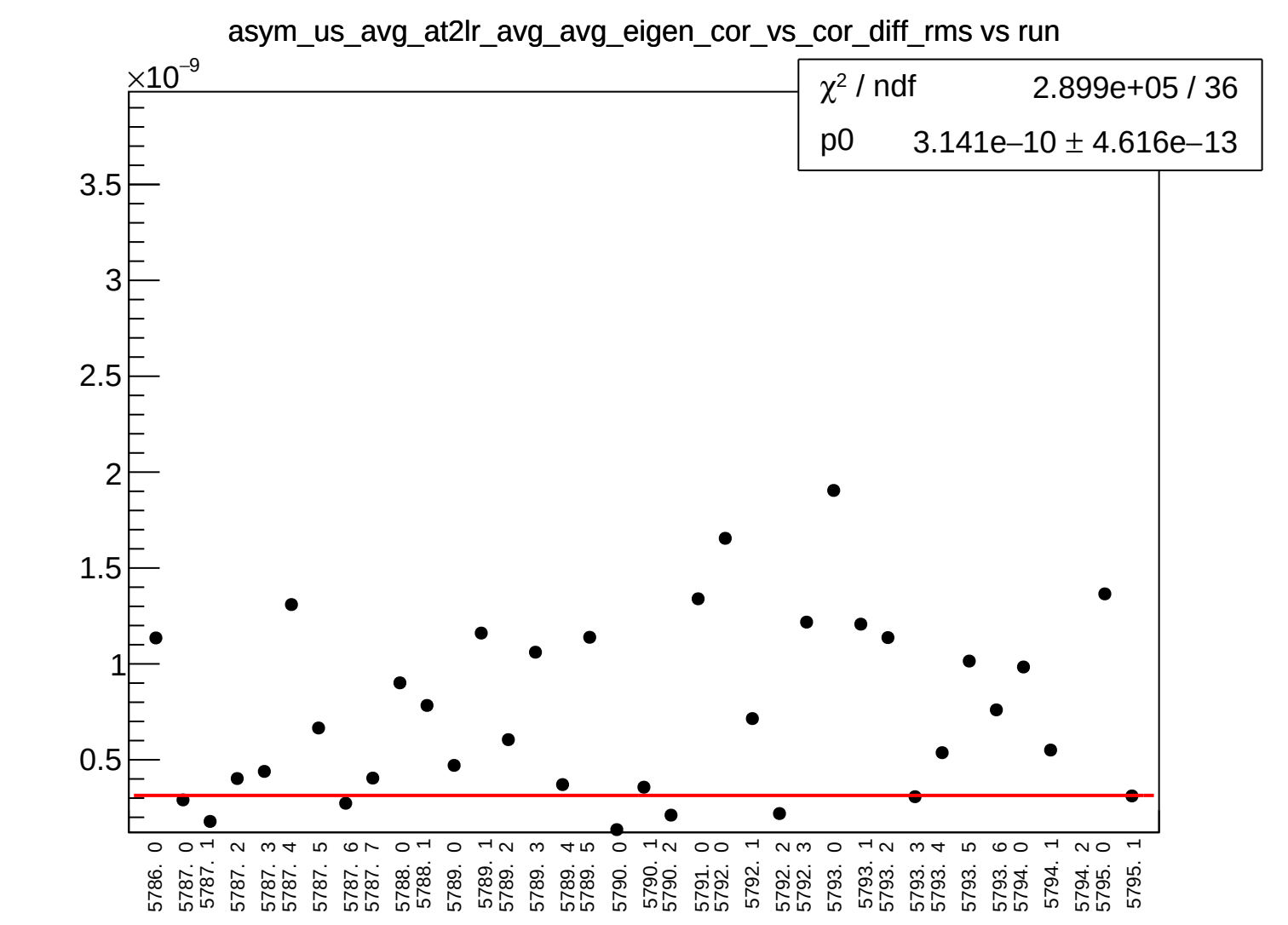

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.91 / 36
p0 0.7924 ± 0.6125
pull
Entries 37
Mean −19.64
Std Dev 0
pull1D
Entries 37
Mean 0.07626
Std Dev 1.099

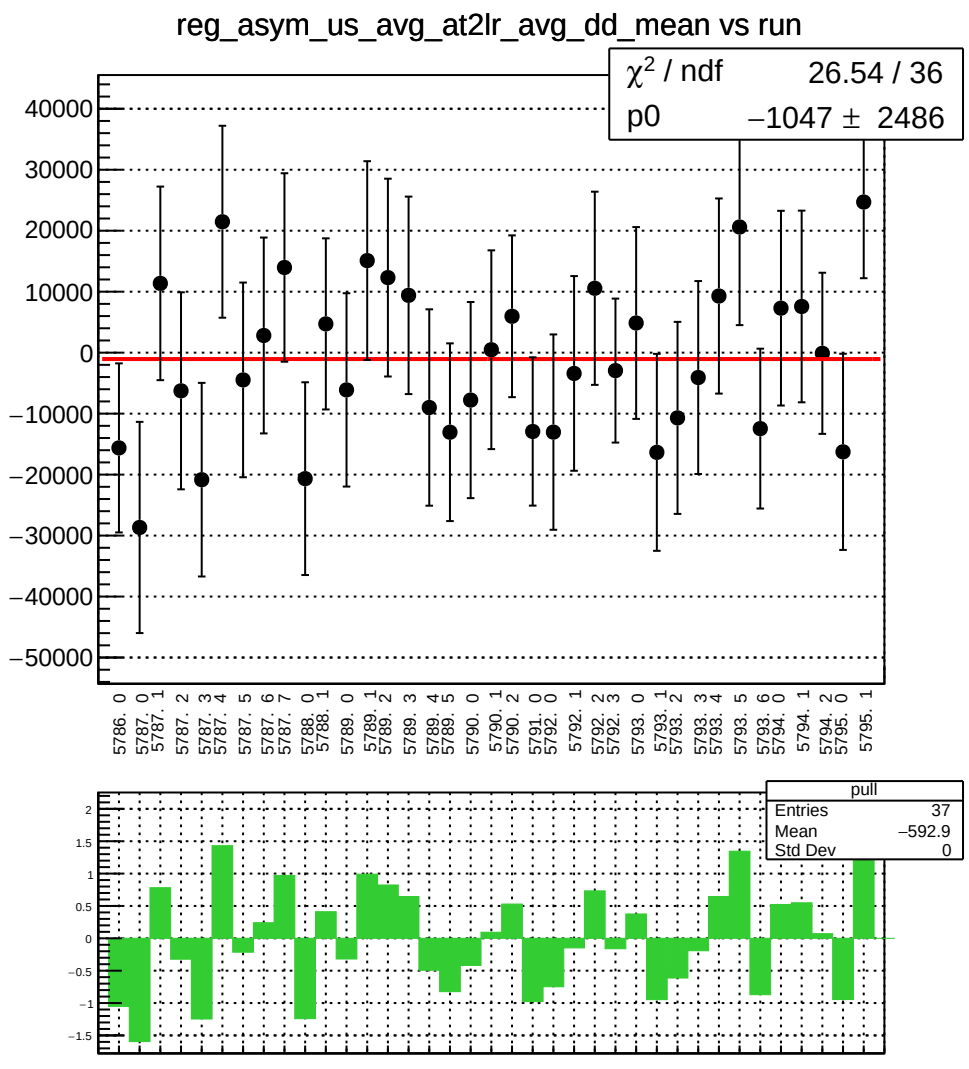

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.109e+04 / 36
p0 368 ± 0.4331
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

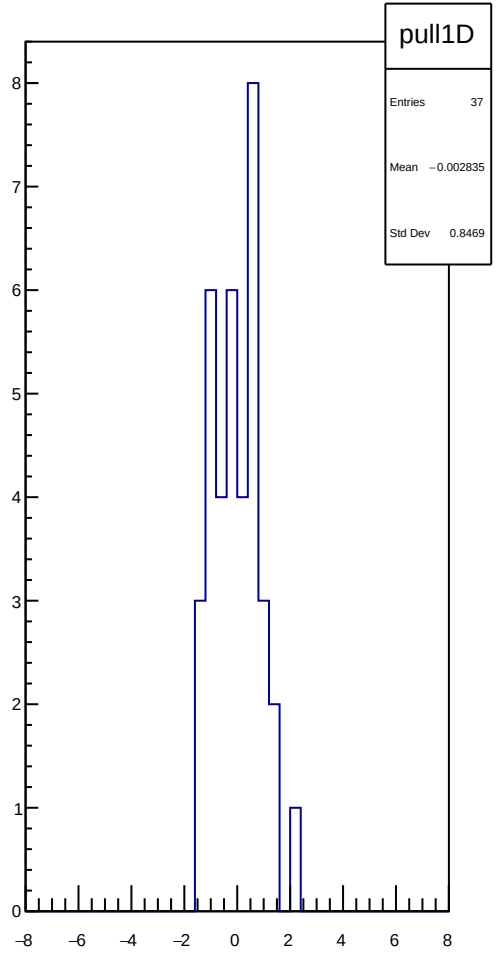

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.91 / 36
p0 0.7924 ± 0.6125
pull
Entries 37
Mean −19.64
Std Dev 0
pull1D
Entries 37
Mean 0.07626
Std Dev 1.099

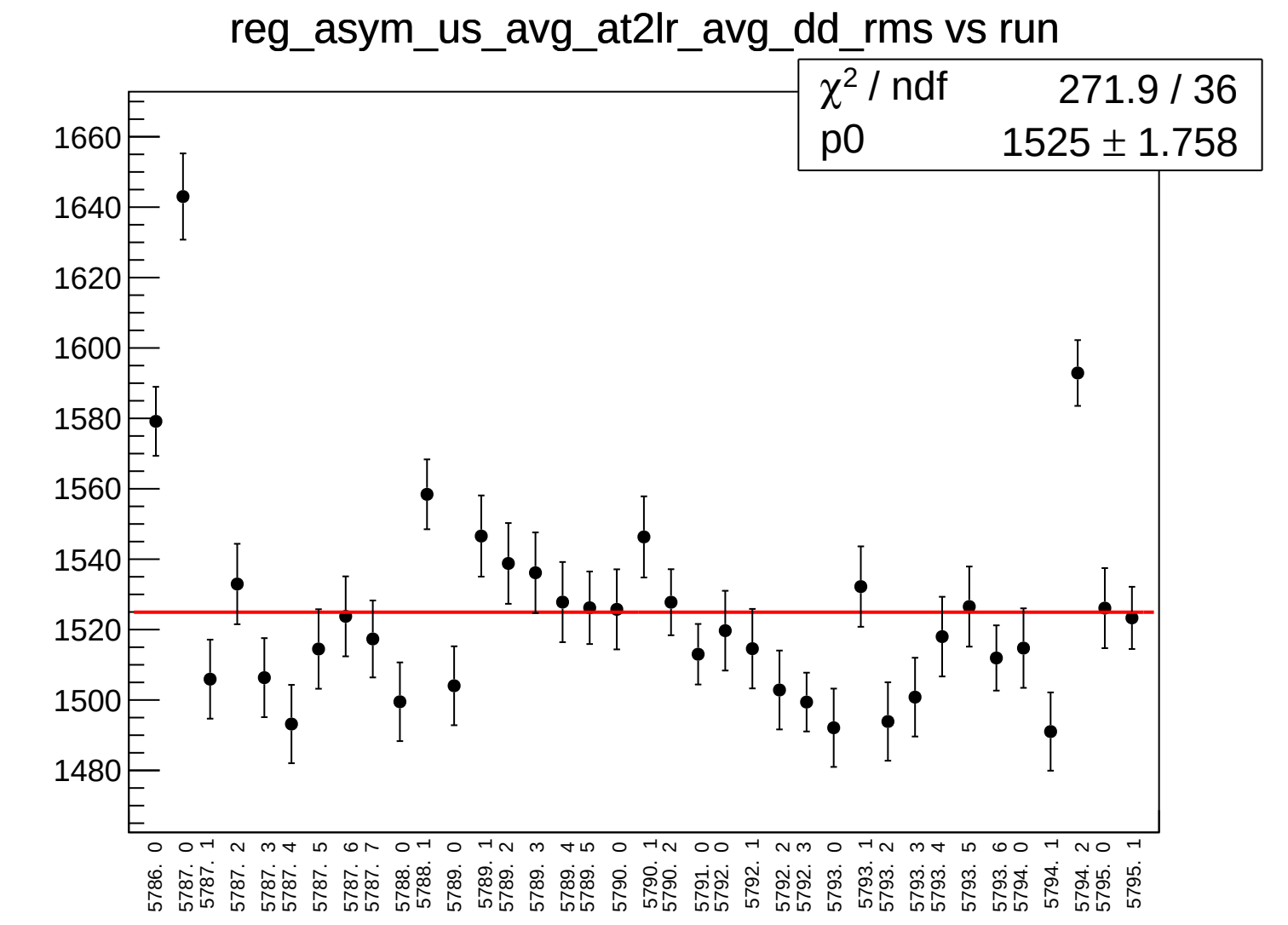

asym_us_avg_at2lr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.109e+04 / 36
p0 368 ± 0.4331
900
800
700
600
500
400
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

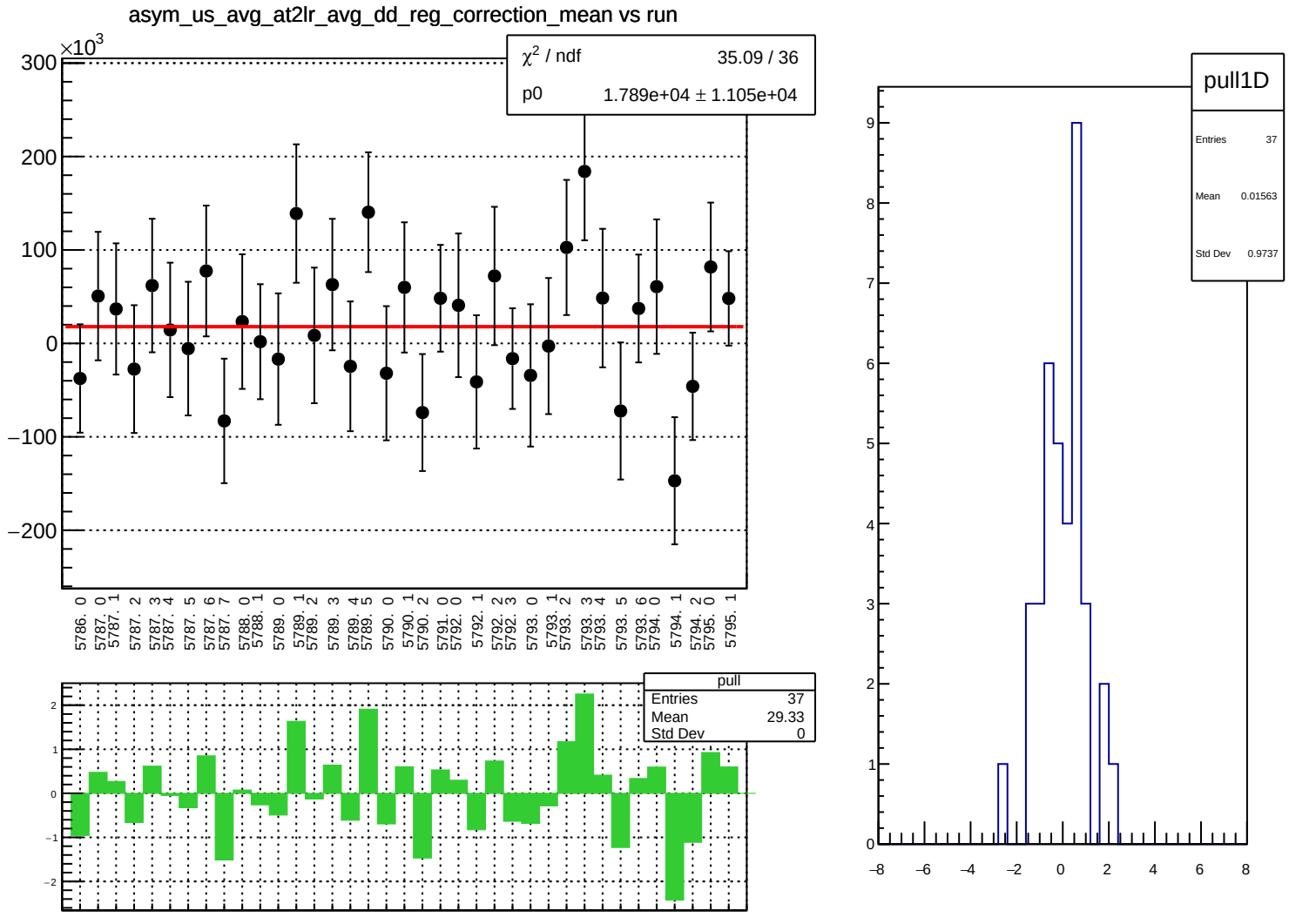

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 56.36 / 36
p0 2.961e−13 ± 6.528e−13
40
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.374
Std Dev 10.14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.2287
Std Dev 1.213
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

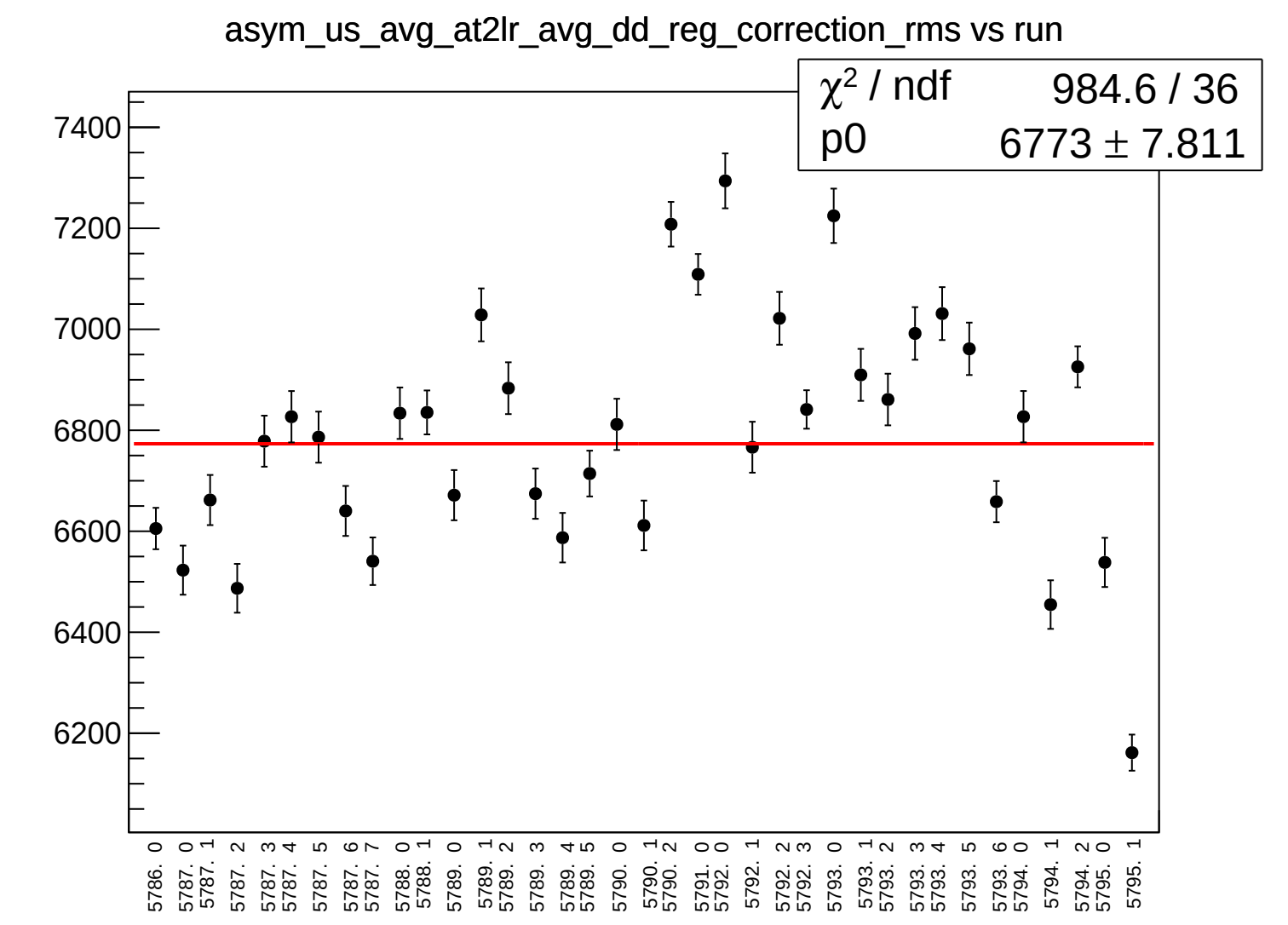

asym_us_avg_at2lr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.899e+05 / 36
p0 3.141e−10 ± 4.616e−13
3.5
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

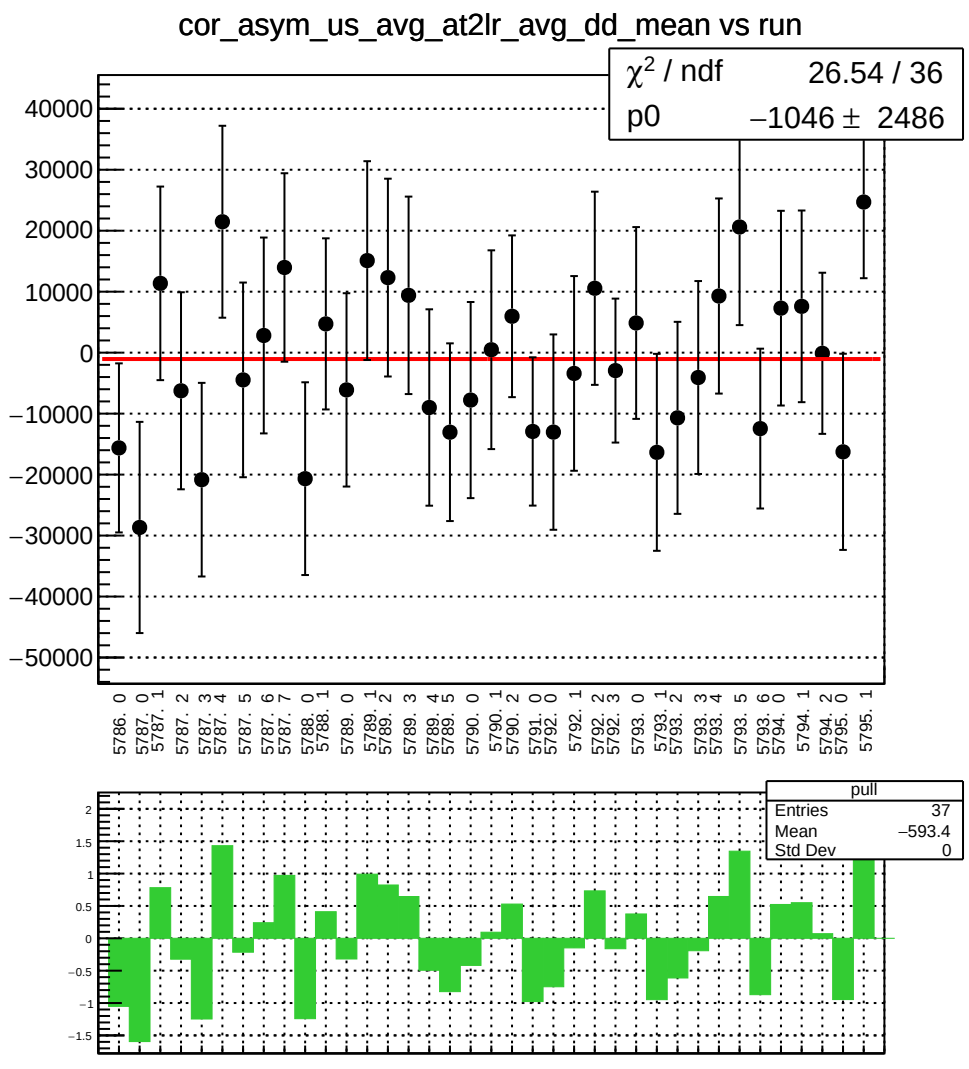

reg_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 26.54 / 36
p0 −1047 ± 2486
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −592.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

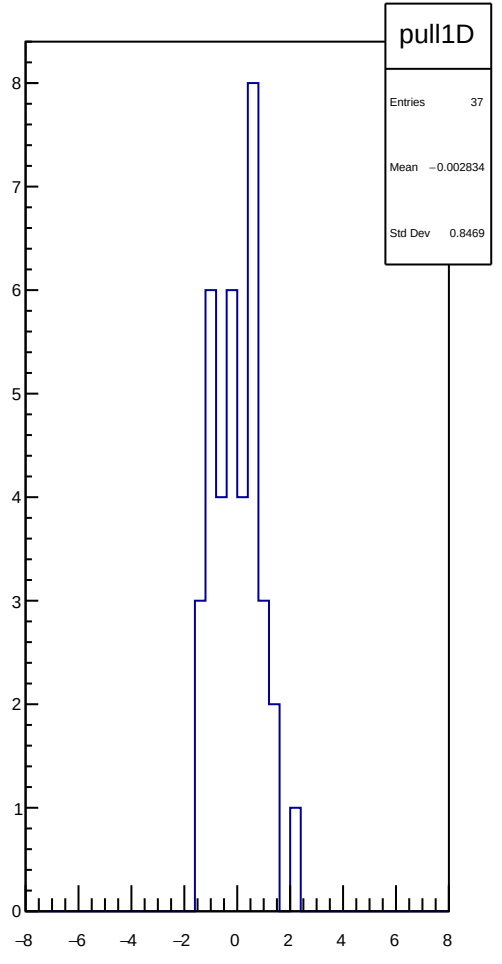

pull1D
Entries 37
Mean −0.002835
Std Dev 0.8469
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

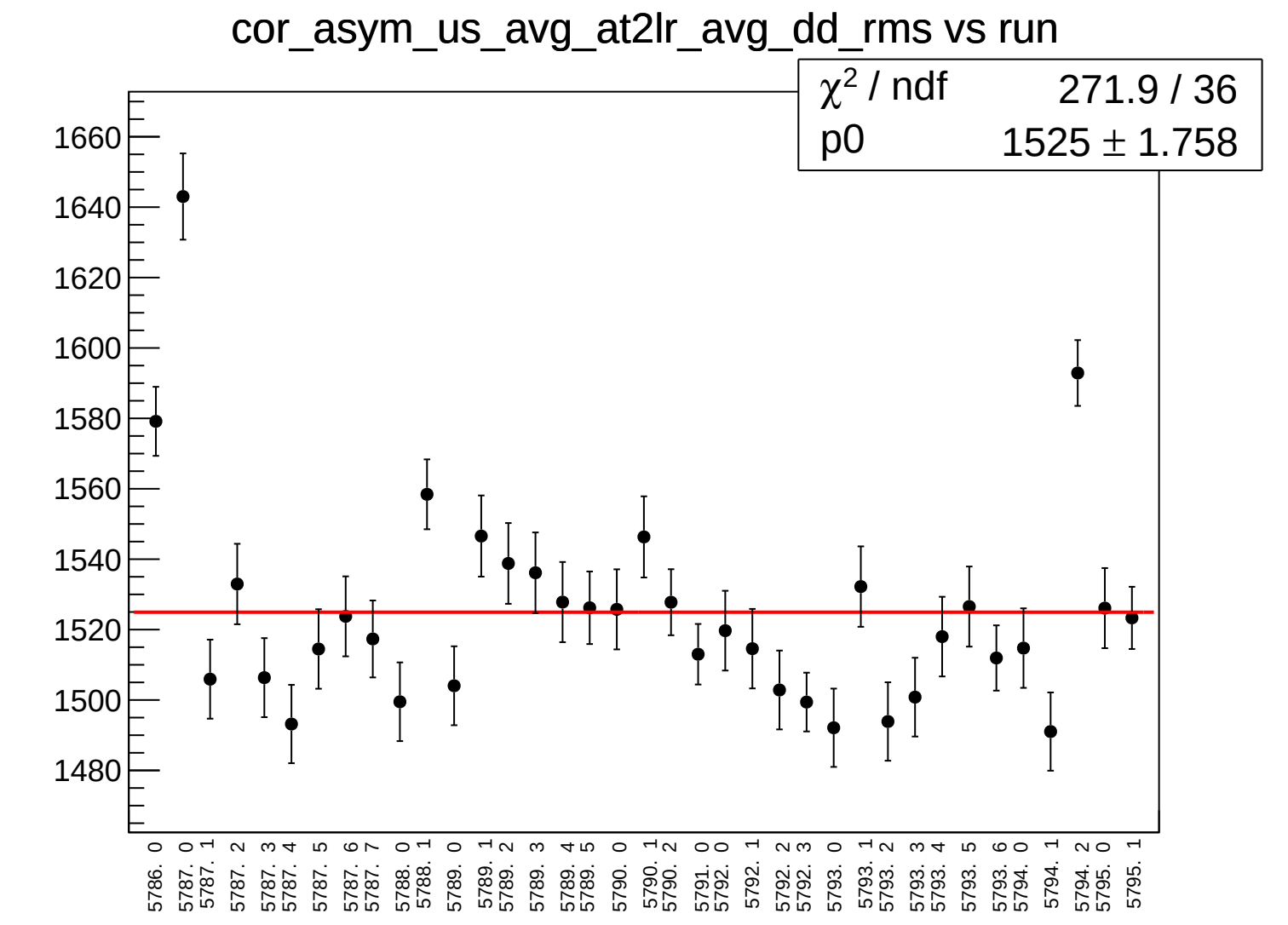

reg_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 271.9 / 36
p0 1525 ± 1.758
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

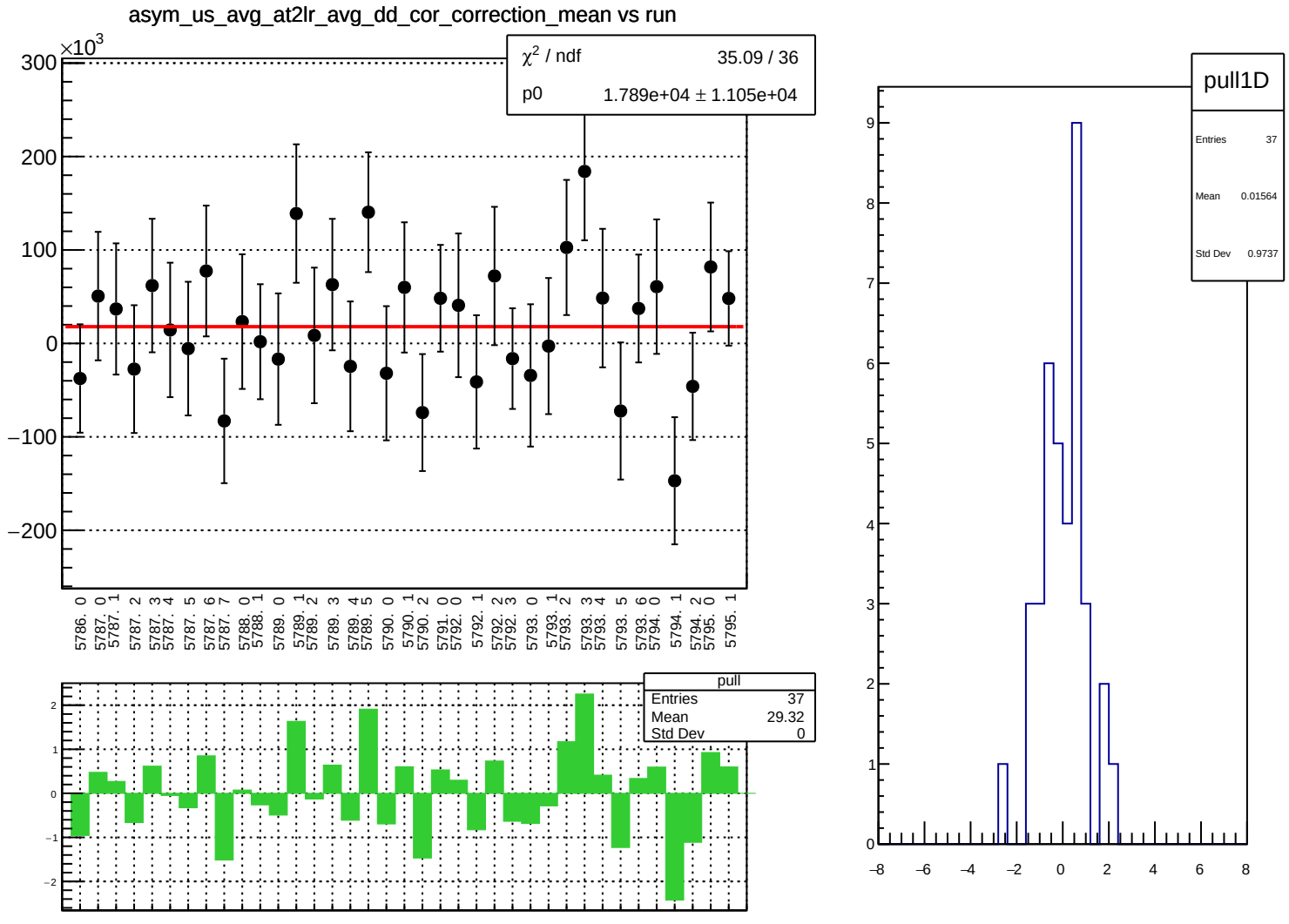

asym_us_avg_at2lr_avg_dd_reg_correction_mean vs run
×10^3
χ² / ndf 35.09 / 36
p0 1.789e+04 ± 1.105e+04
pull
Entries 37
Mean 29.33
Std Dev 0
pull1D
Entries 37
Mean 0.01563
Std Dev 0.9737

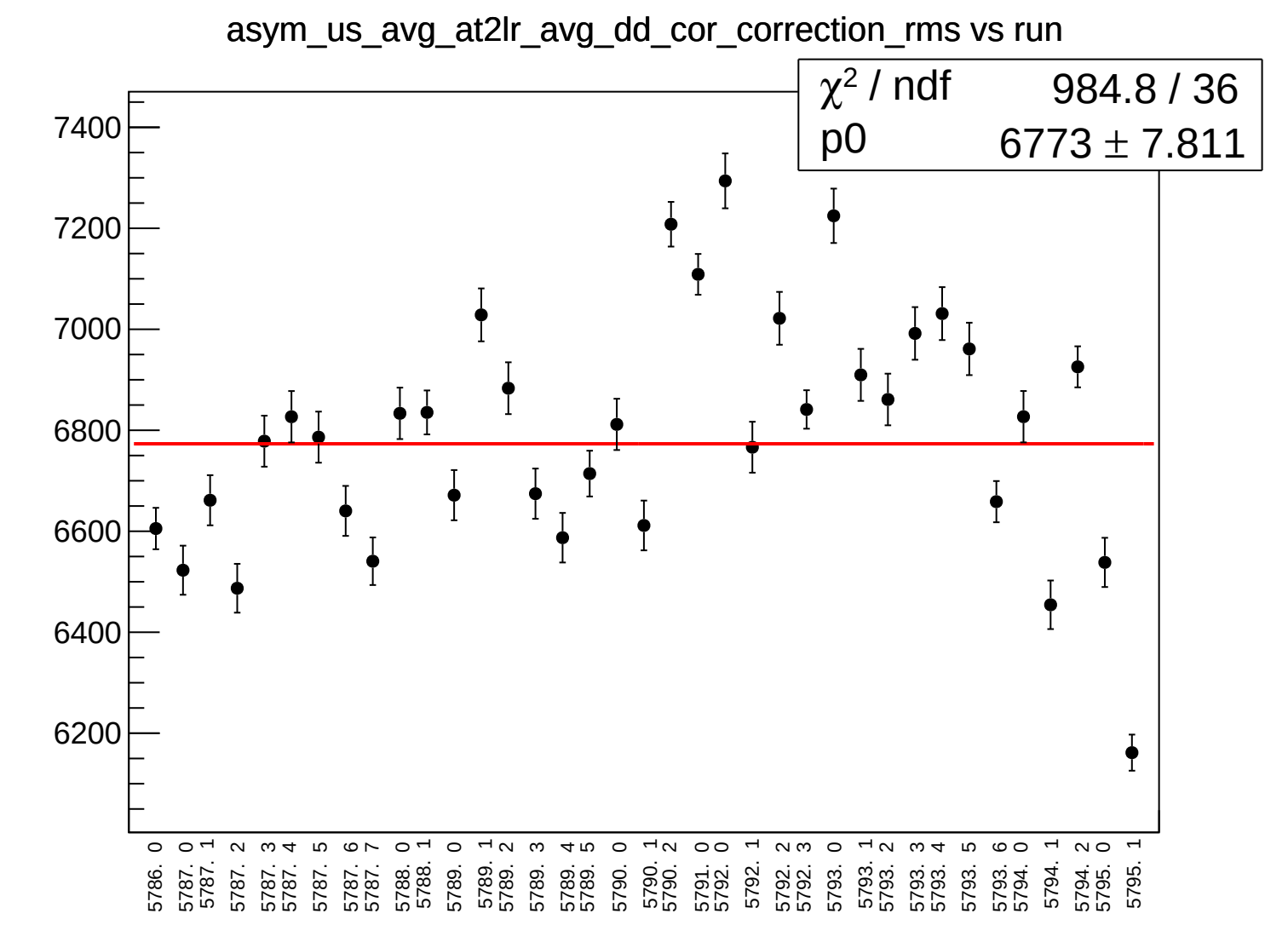

asym_us_avg_at2lr_avg_dd_reg_correction_rms vs run
χ² / ndf 984.6 / 36
p0 6773 ± 7.811
7400
7200
7000
6800
6600
6400
6200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

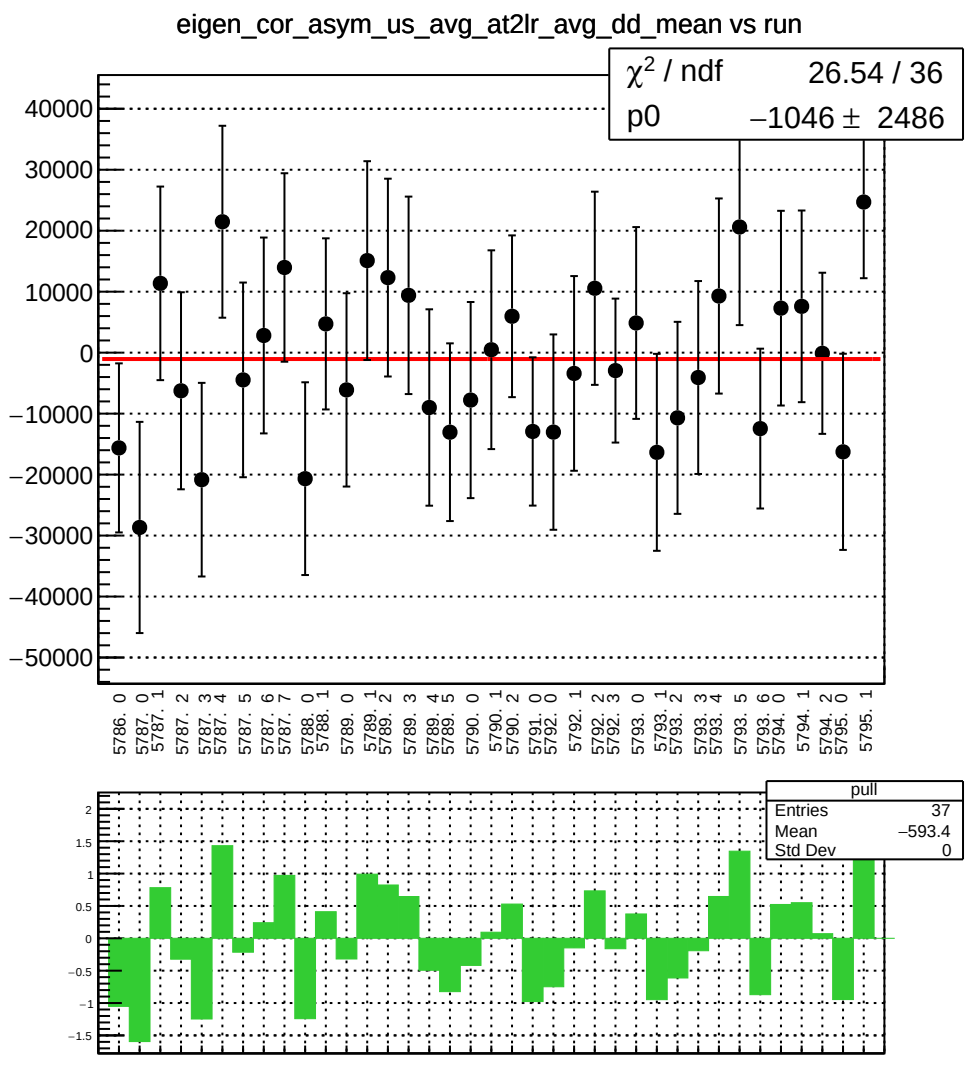

cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 26.54 / 36
p0 −1046 ± 2486
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −593.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

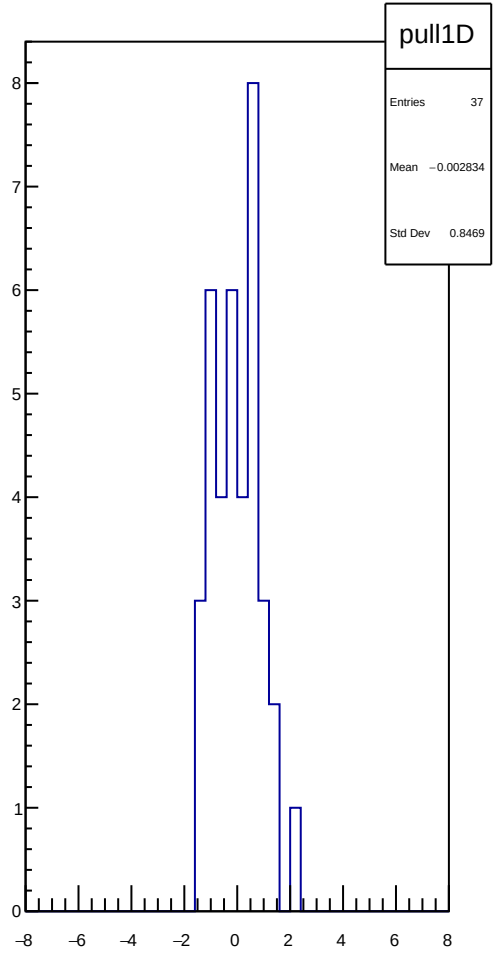

pull1D
Entries 37
Mean −0.002834
Std Dev 0.8469
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

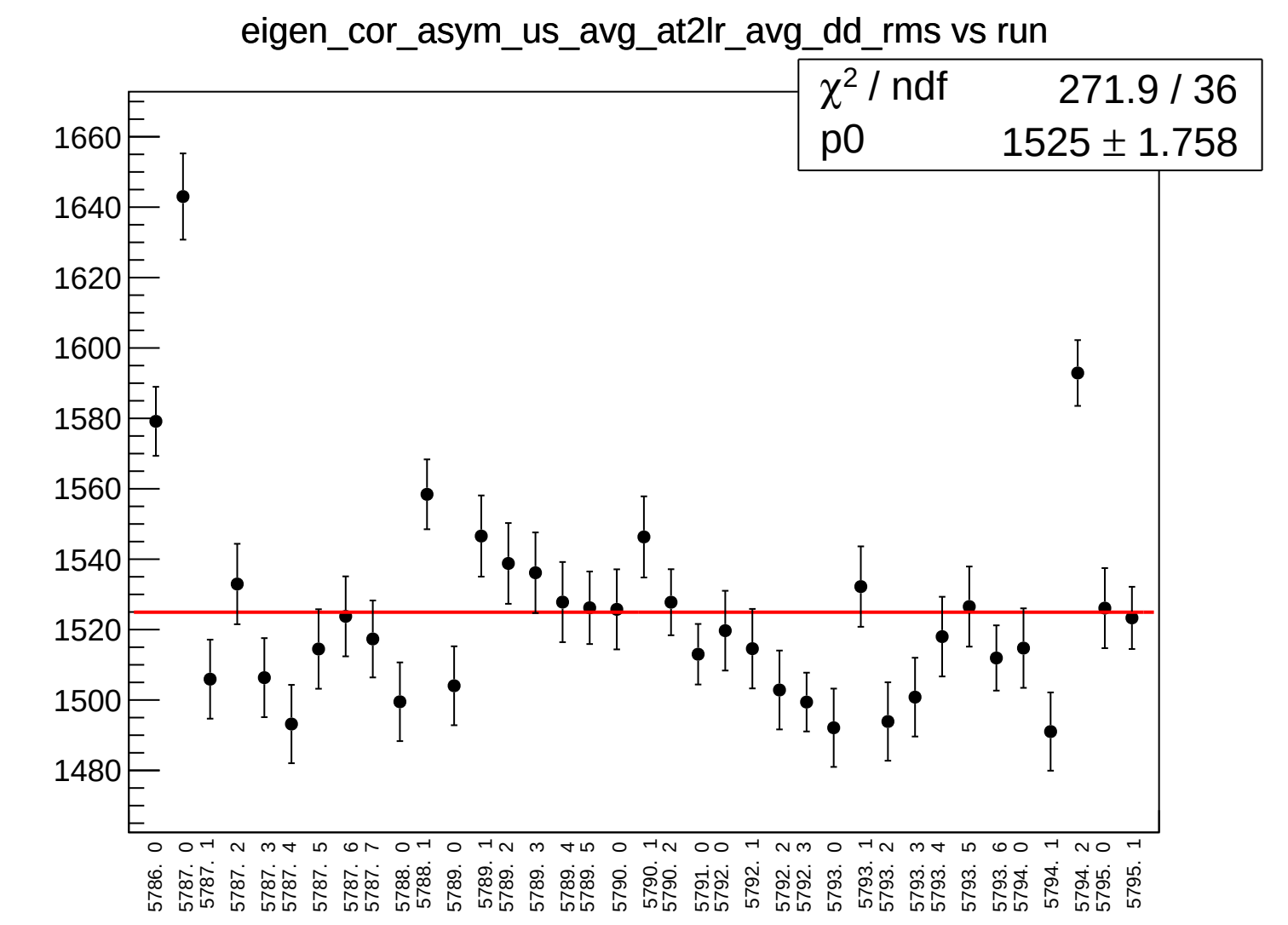

cor_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 271.9 / 36
p0 1525 ± 1.758
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

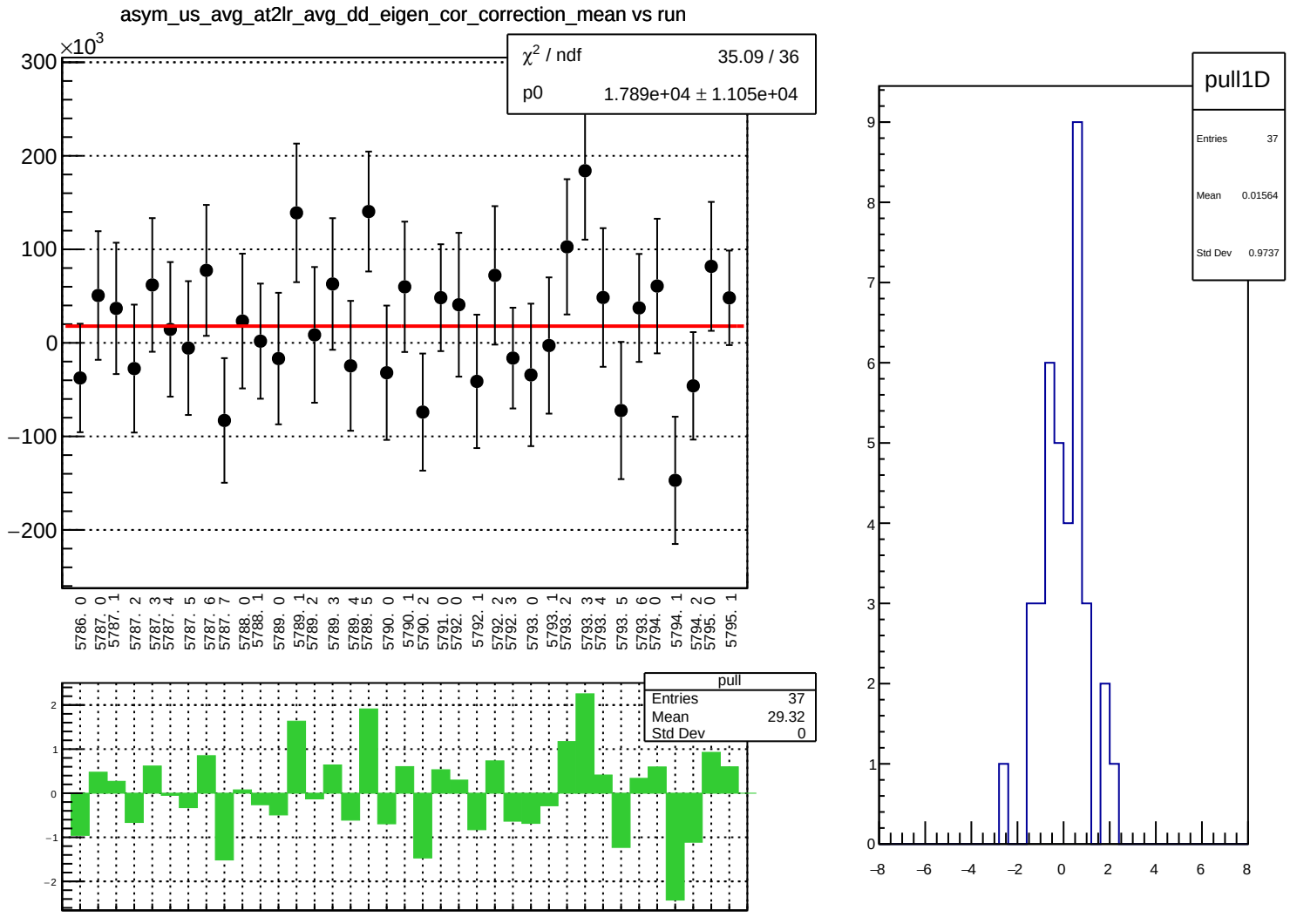

asym_us_avg_at2lr_avg_dd_cor_correction_mean vs run
×10^3
χ² / ndf 35.09 / 36
p0 1.789e+04 ± 1.105e+04
pull
Entries 37
Mean 29.32
Std Dev 0
pull1D
Entries 37
Mean 0.01564
Std Dev 0.9737

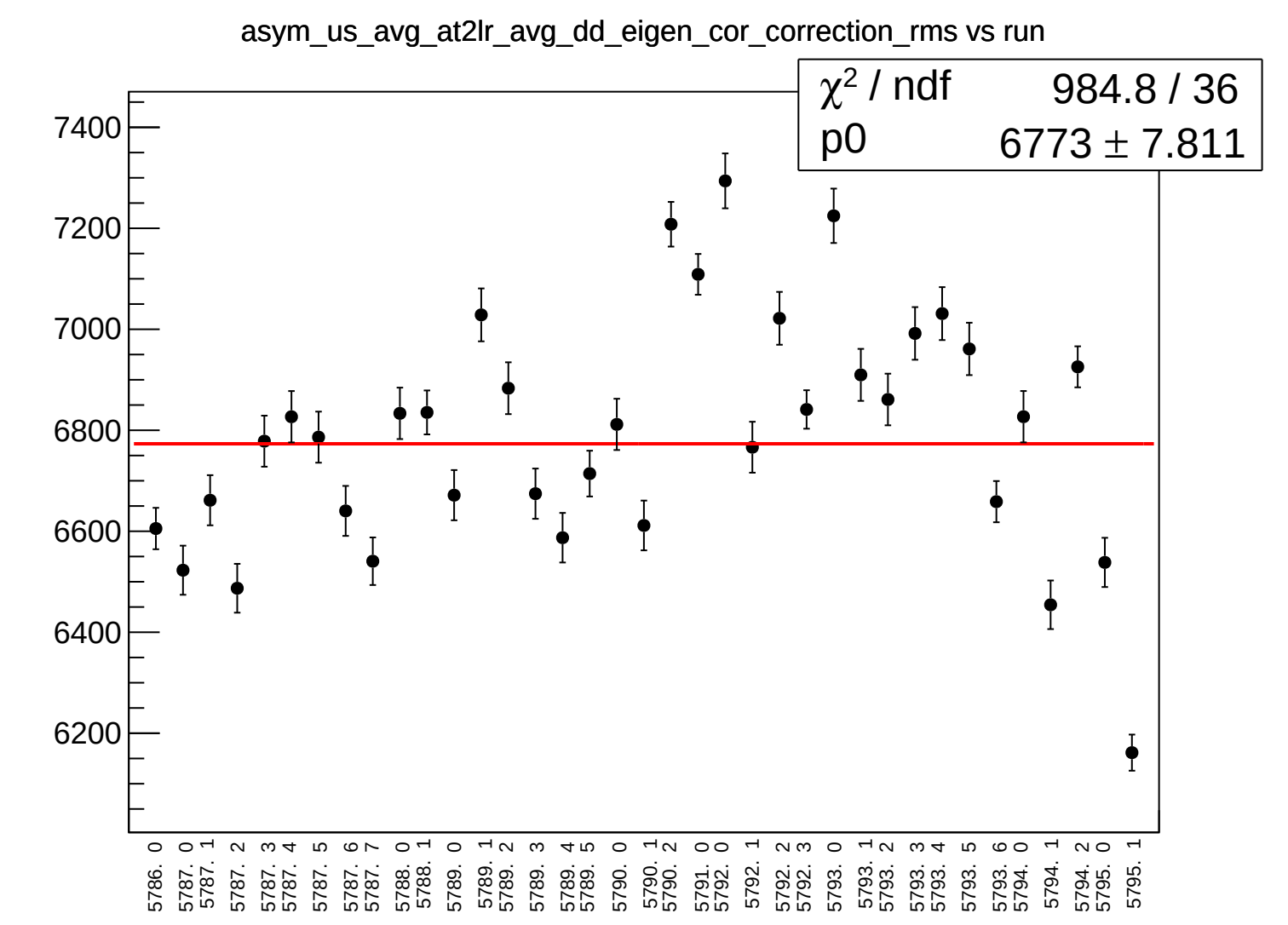

asym_us_avg_at2lr_avg_dd_cor_correction_rms vs run
χ² / ndf 984.8 / 36
p0 6773 ± 7.811
7400
7200
7000
6800
6600
6400
6200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 26.54 / 36
p0 −1046 ± 2486
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −593.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.002834
Std Dev 0.8469
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 271.9 / 36
p0 1525 ± 1.758
1660
1640
1620
1600
1580
1560
1540
1520
1500
1480
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_at2lr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.09 / 36
p0 1.789e+04 ± 1.105e+04
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01564
Std Dev 0.9737
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 984.8 / 36
p0 6773 ± 7.811
7400
7200
7000
6800
6600
6400
6200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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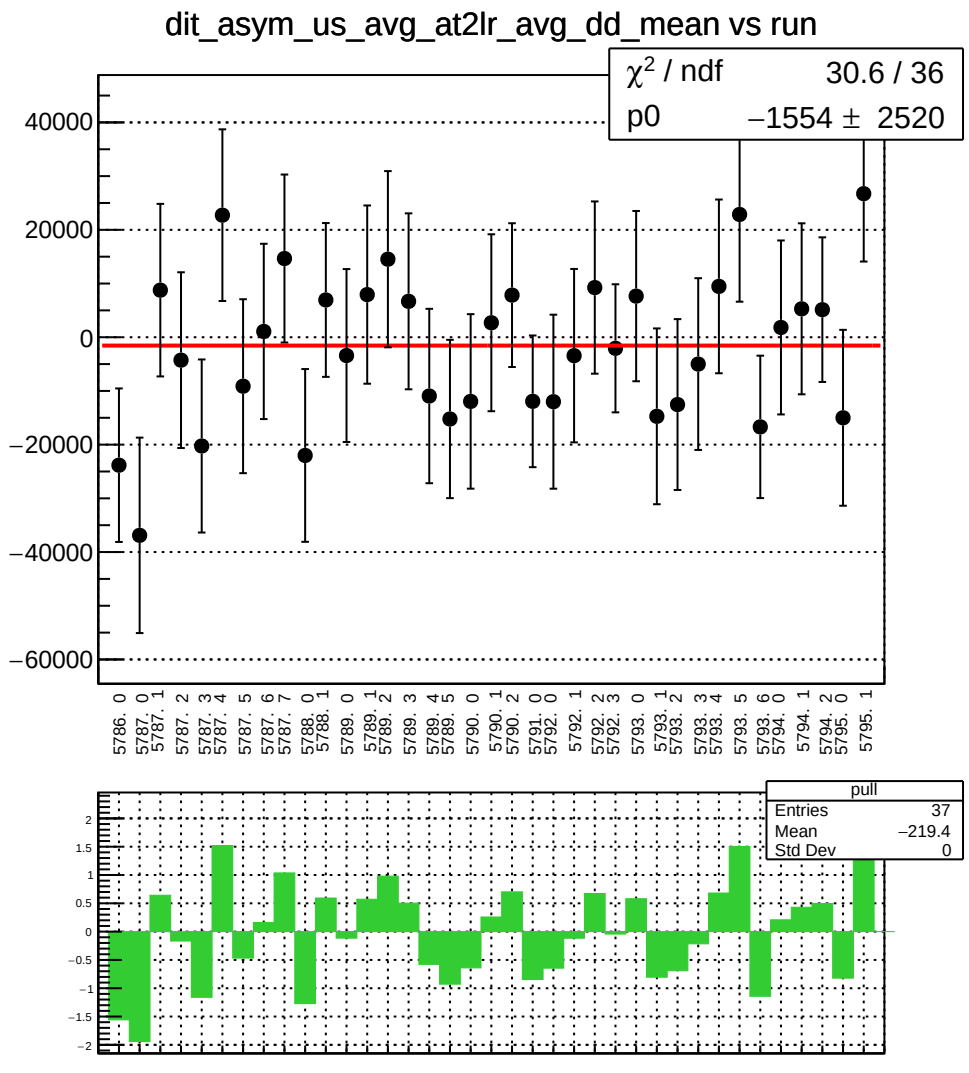
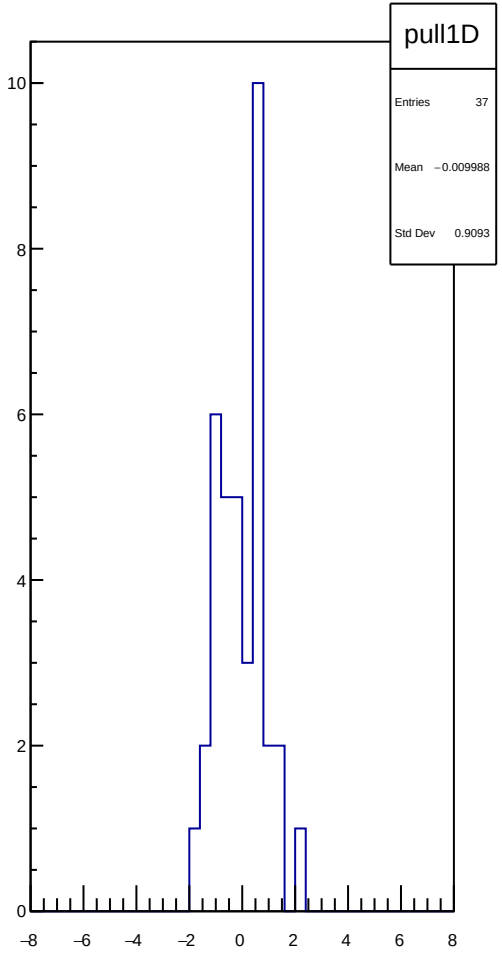
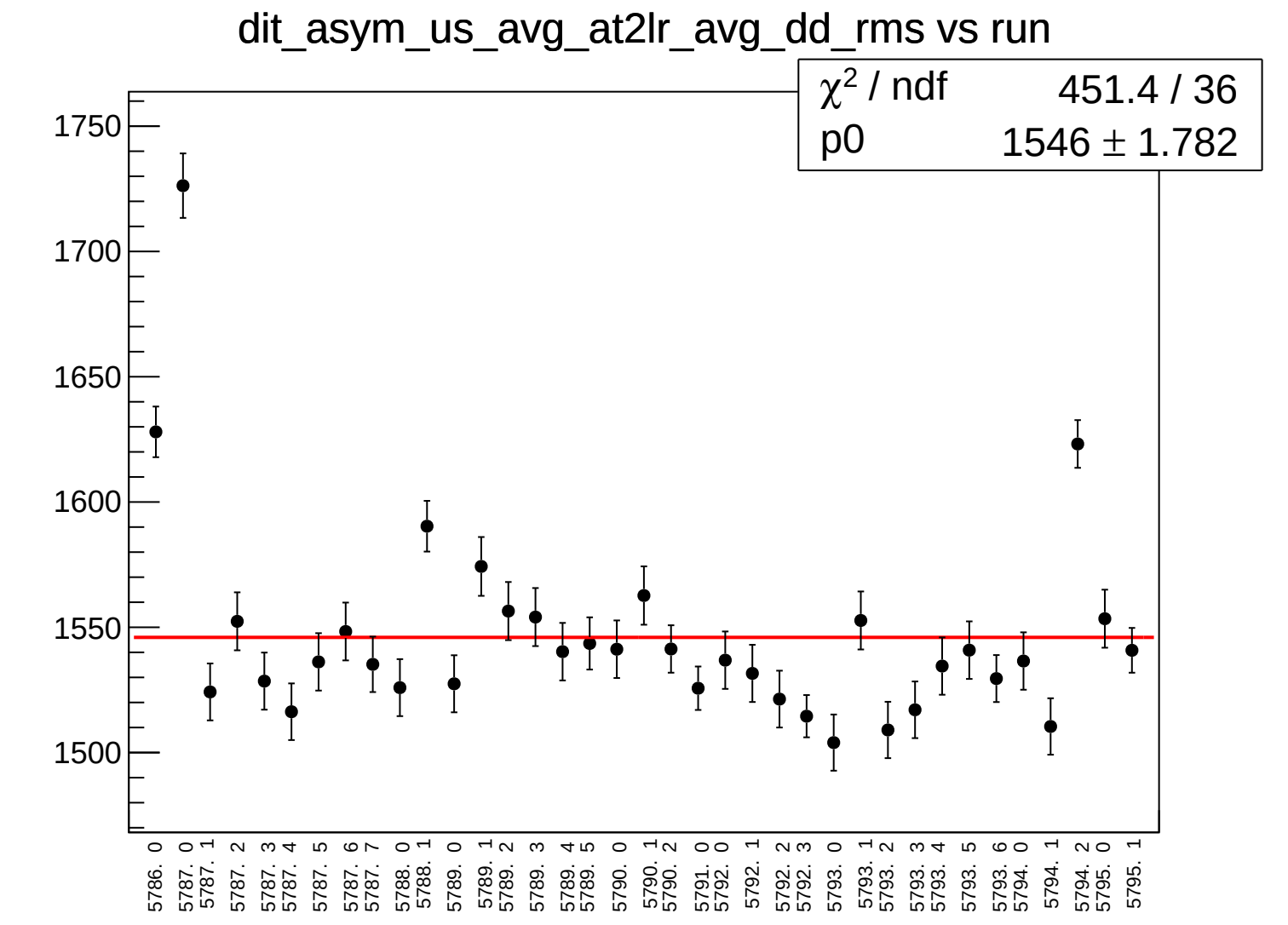
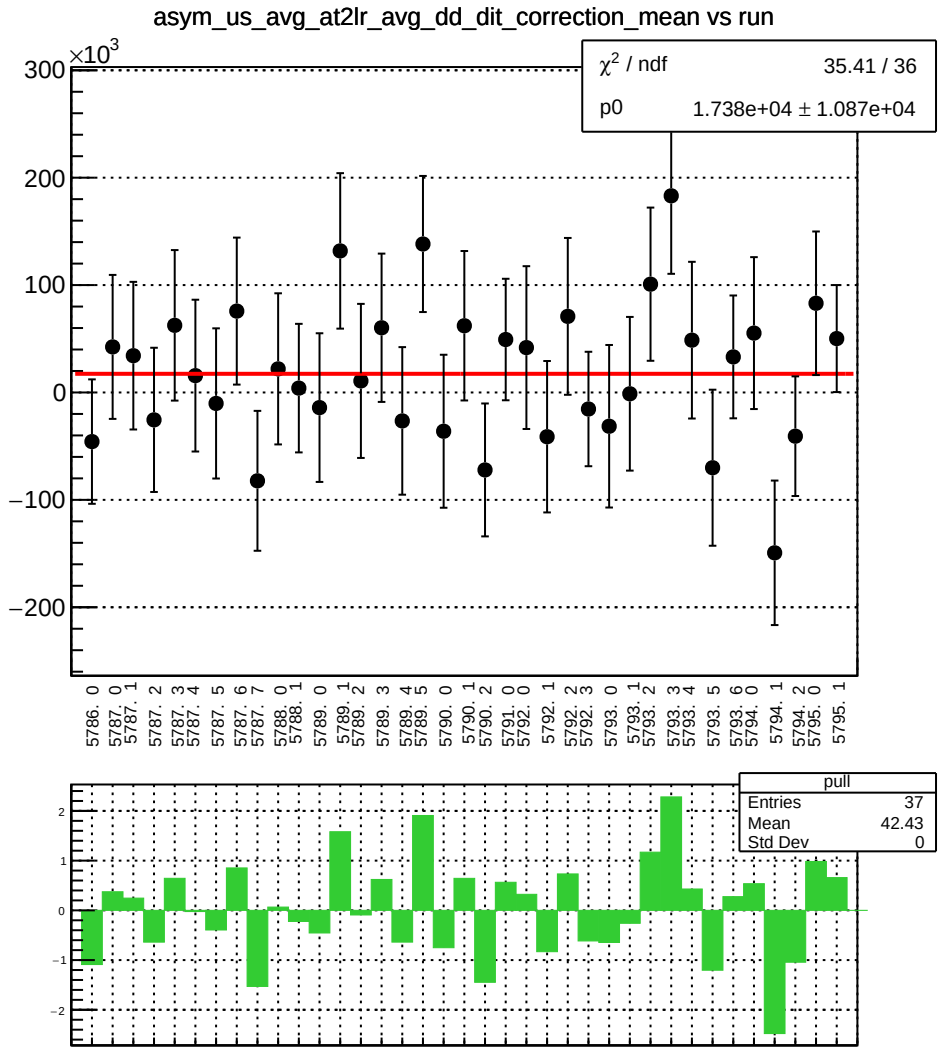
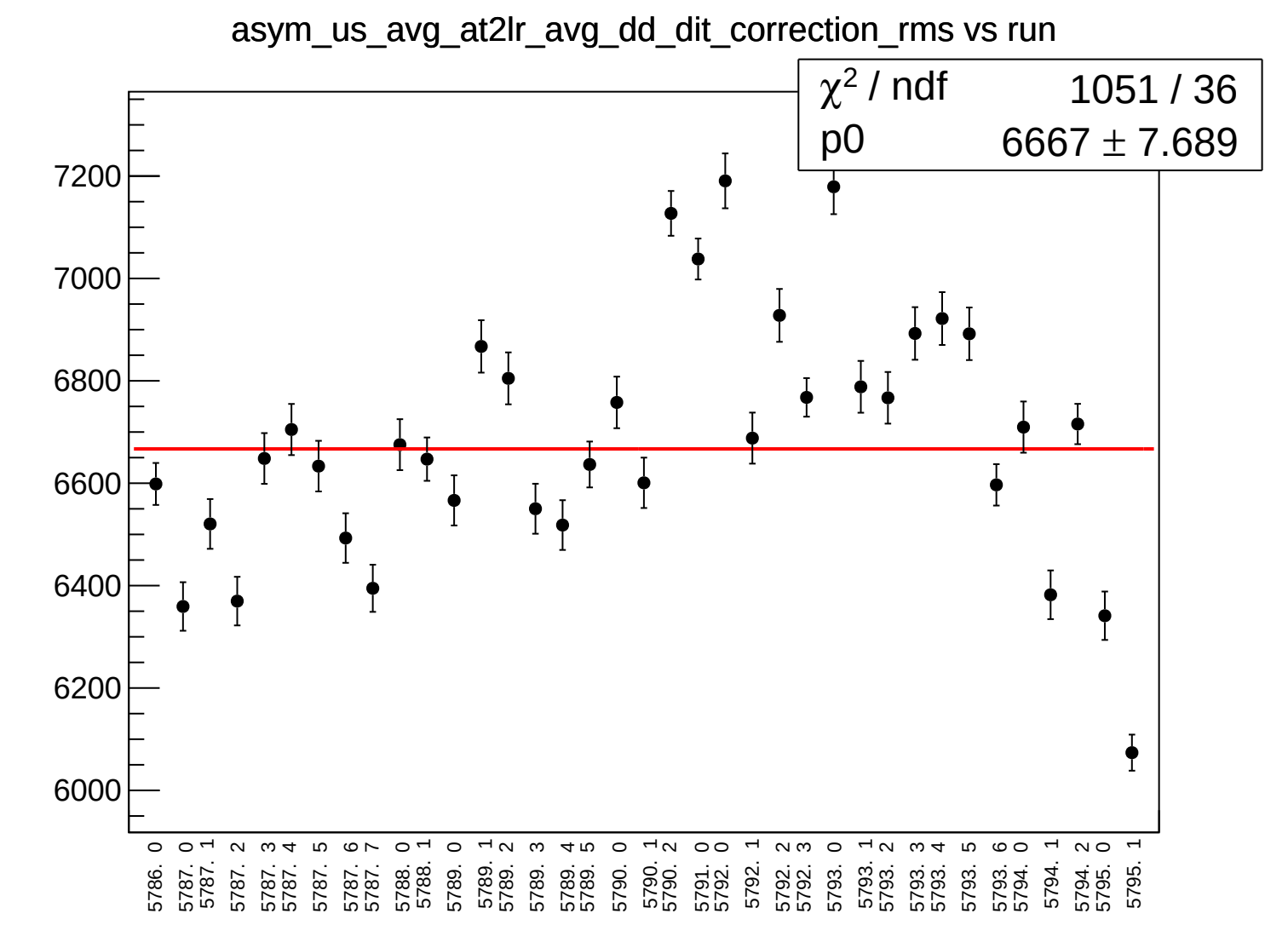
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

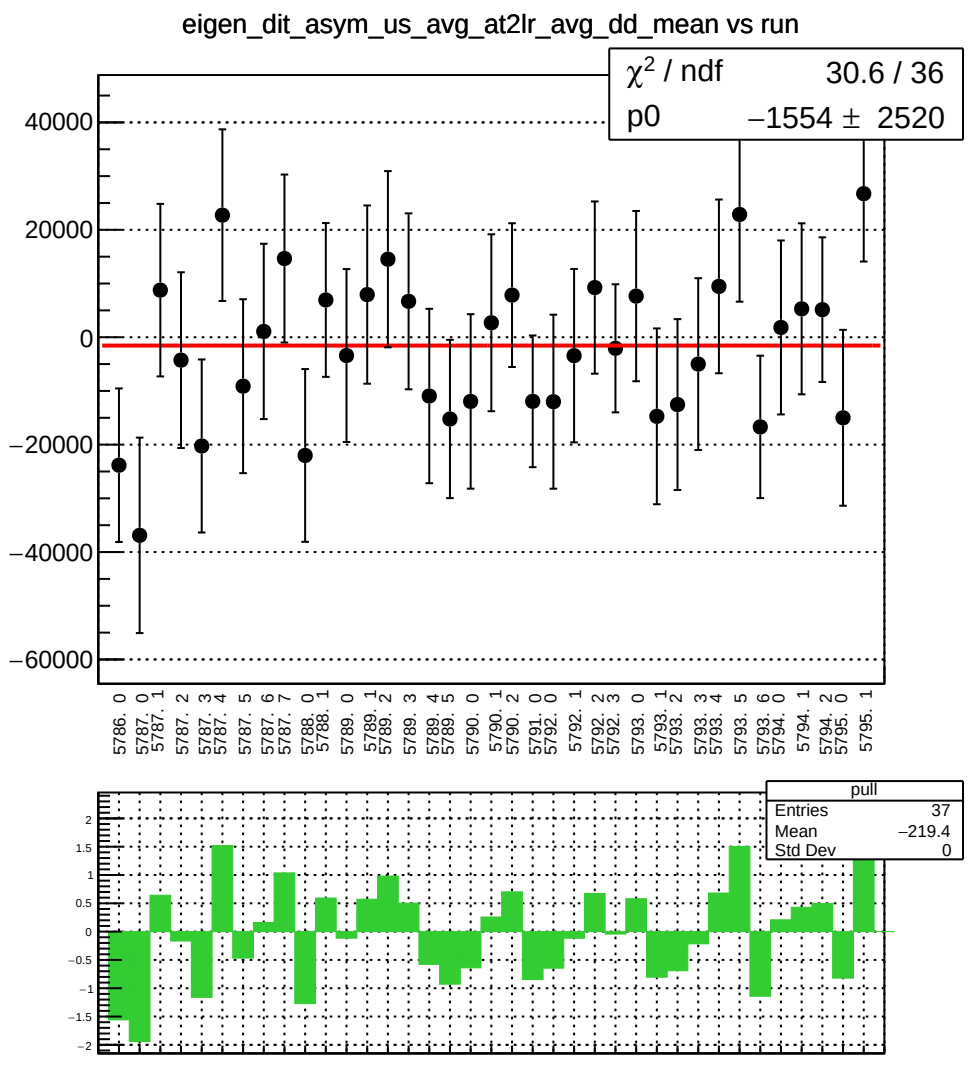

dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 30.6 / 36
p0 −1554 ± 2520
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −219.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

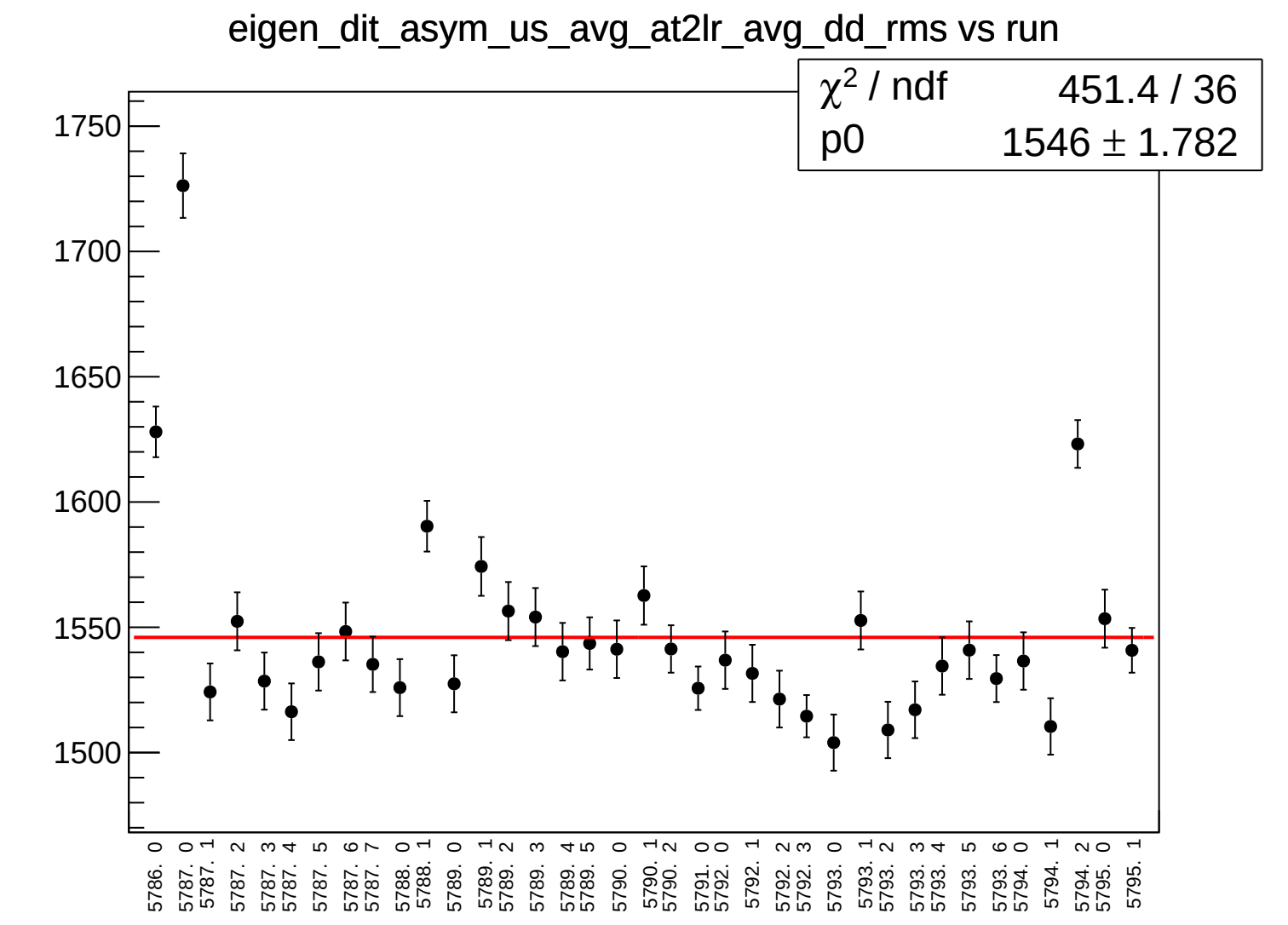

pull1D
Entries 37
Mean −0.009988
Std Dev 0.9093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

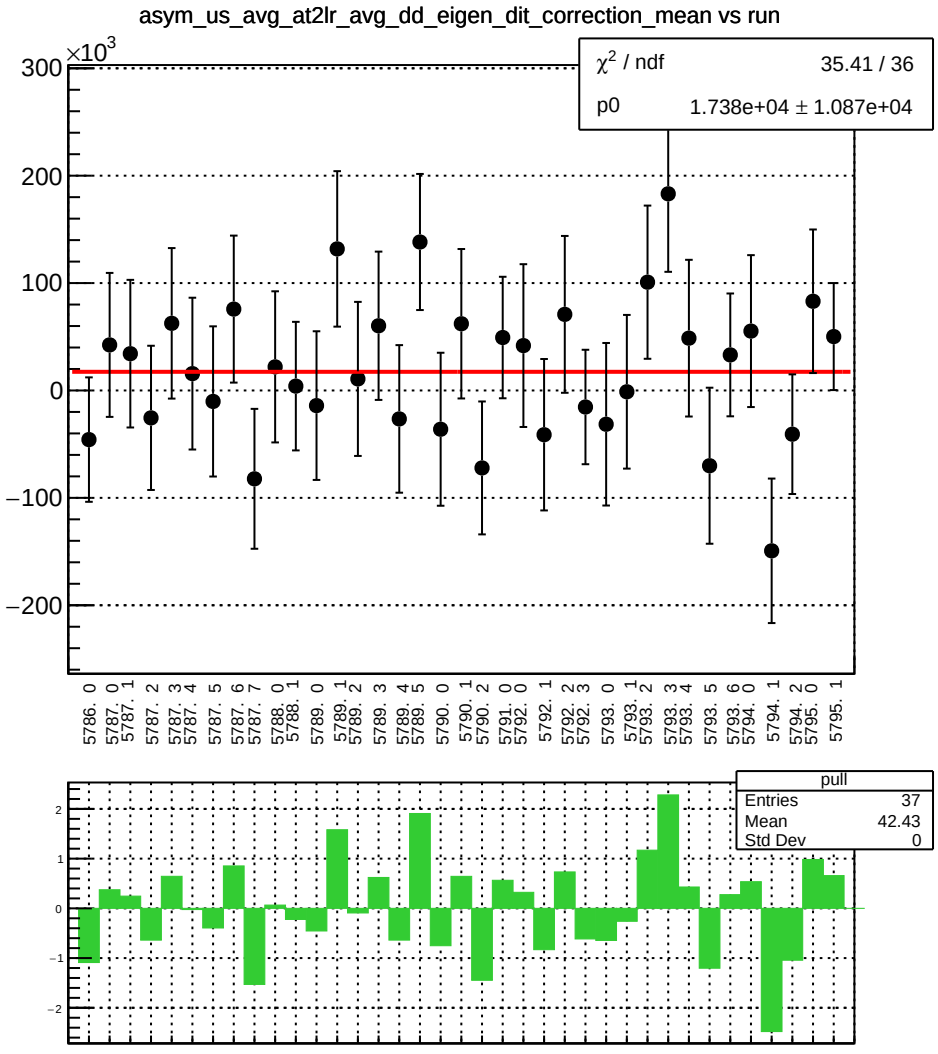

dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ^2 / ndf 451.4 / 36
p0 1546 ± 1.782
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

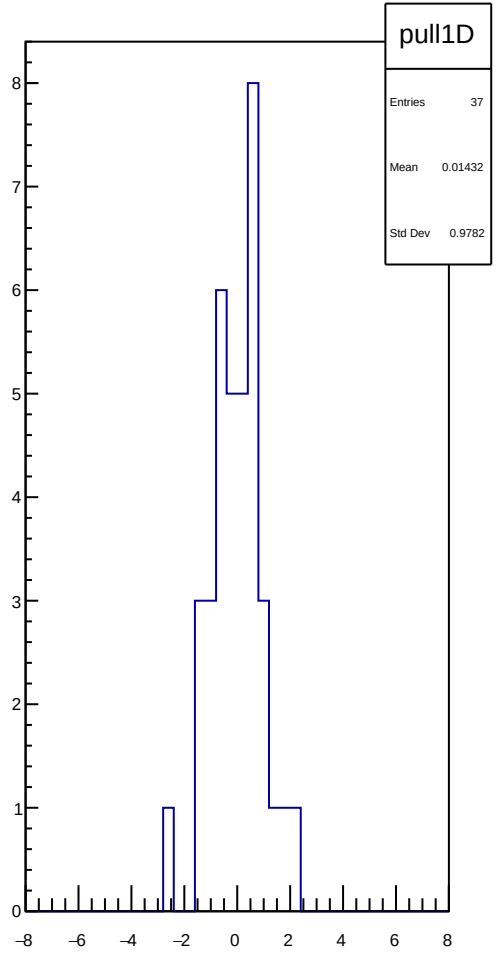

asym_us_avg_at2lr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.41 / 36
p0 1.738e+04 ± 1.087e+04
pull
Entries 37
Mean 42.43
Std Dev 0
pull1D
Entries 37
Mean 0.01432
Std Dev 0.9782

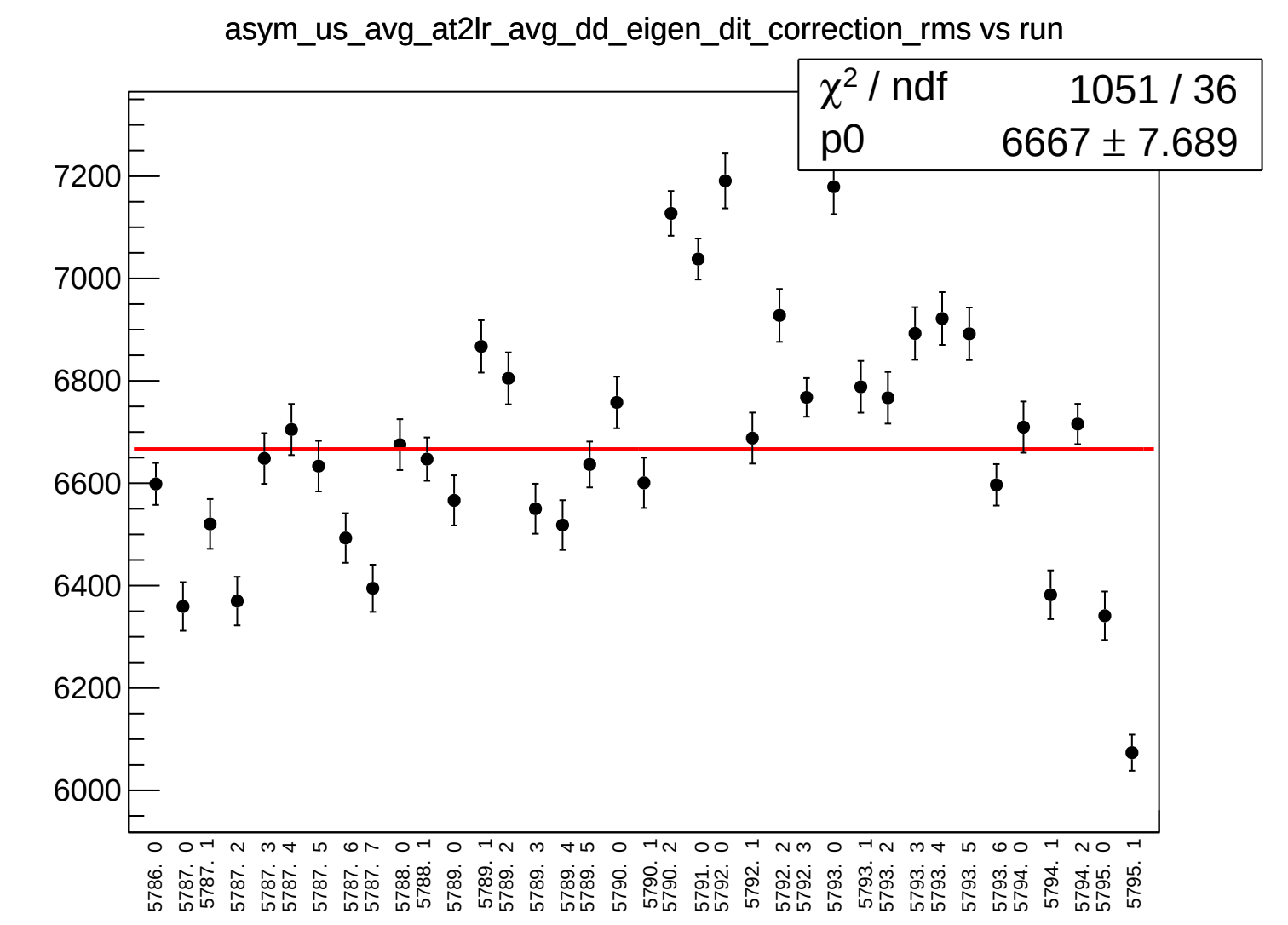

asym_us_avg_at2lr_avg_dd_dit_correction_rms vs run
χ² / ndf 1051 / 36
p0 6667 ± 7.689
7200
7000
6800
6600
6400
6200
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

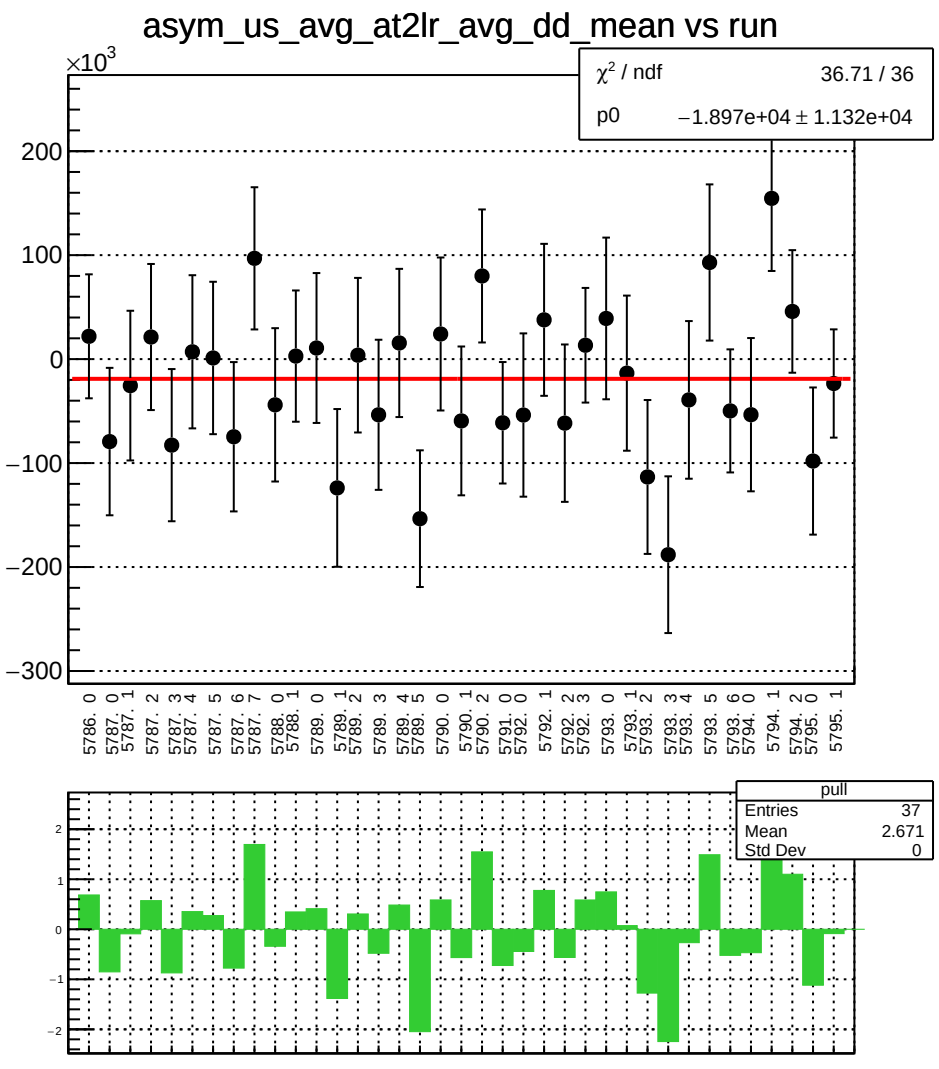

eigen_dit_asym_us_avg_at2lr_avg_dd_mean vs run
χ² / ndf 30.6 / 36
p0 −1554 ± 2520
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −219.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.009988
Std Dev 0.9093
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

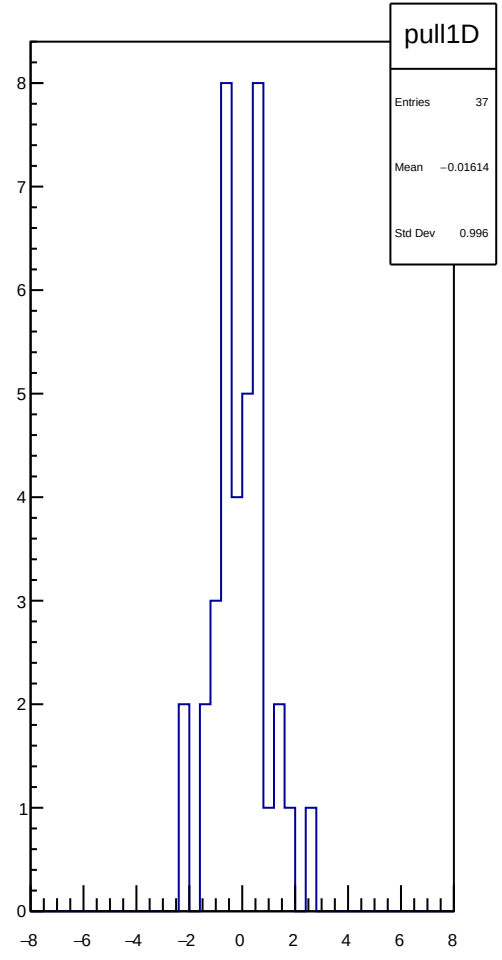

eigen_dit_asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 451.4 / 36
p0 1546 ± 1.782
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

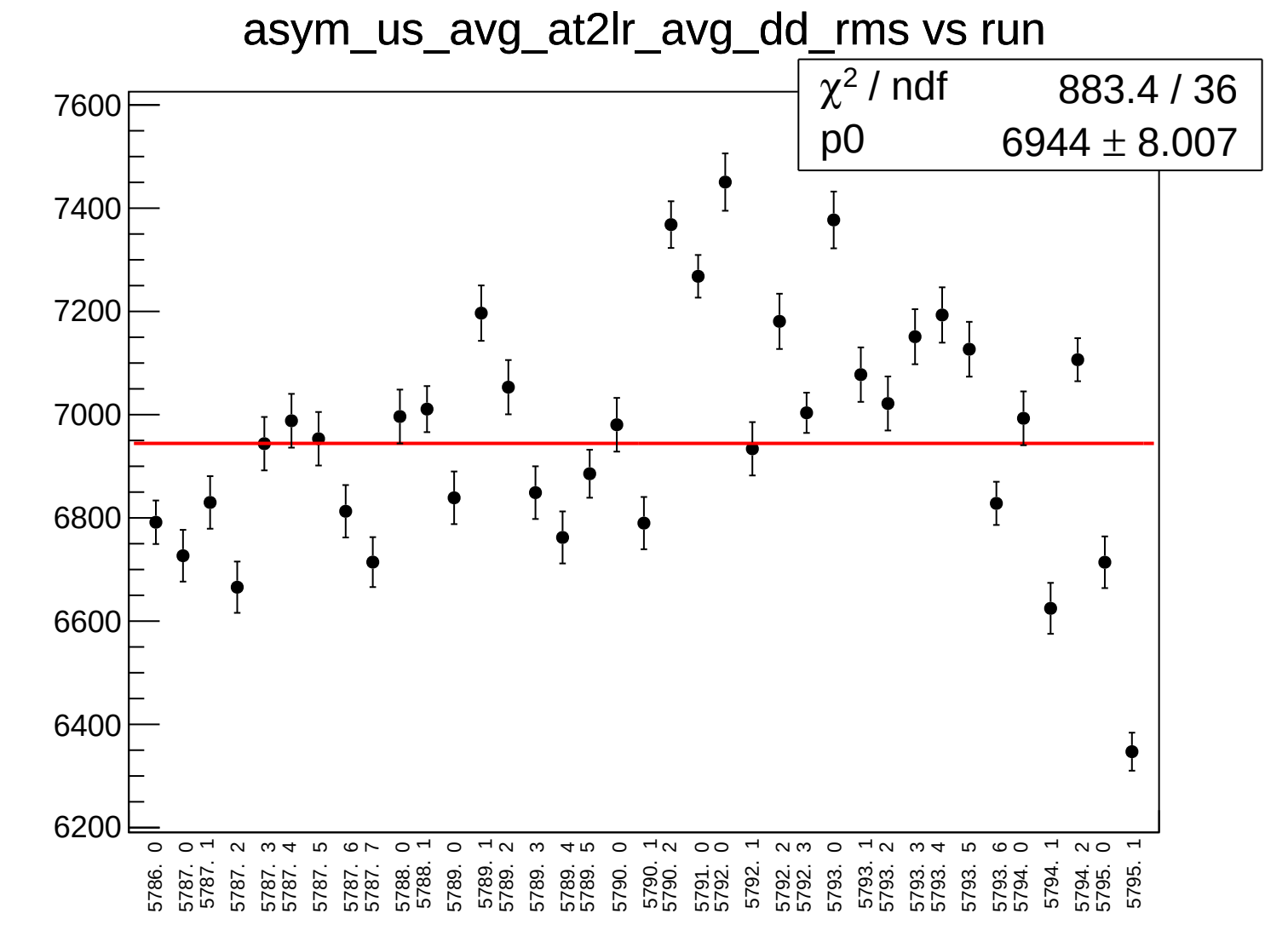

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_mean vs run
×10^3
300
200
100
0
−100
−200
χ² / ndf 35.41 / 36
p0 1.738e+04 ± 1.087e+04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 42.43
Std Dev 0
2
1
0
−1
−2

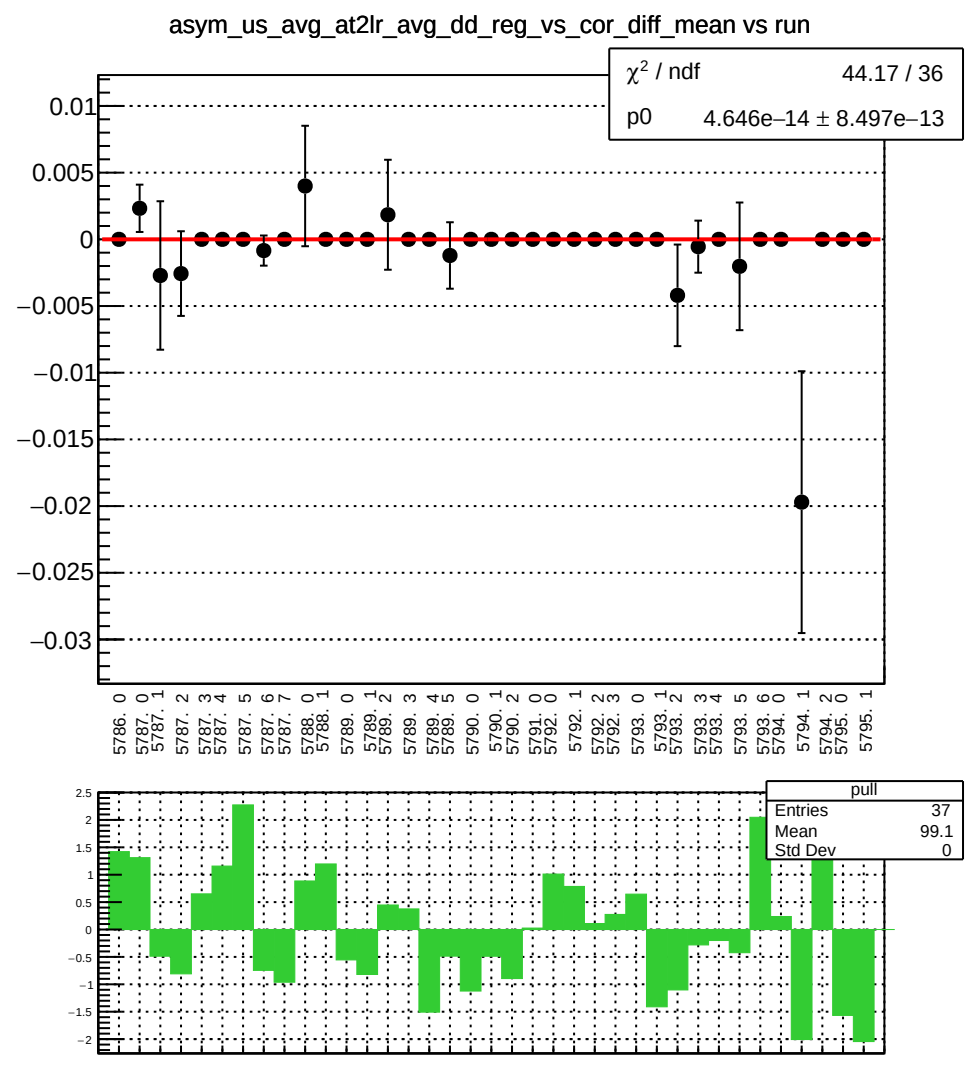

pull1D
Entries 37
Mean 0.01432
Std Dev 0.9782
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

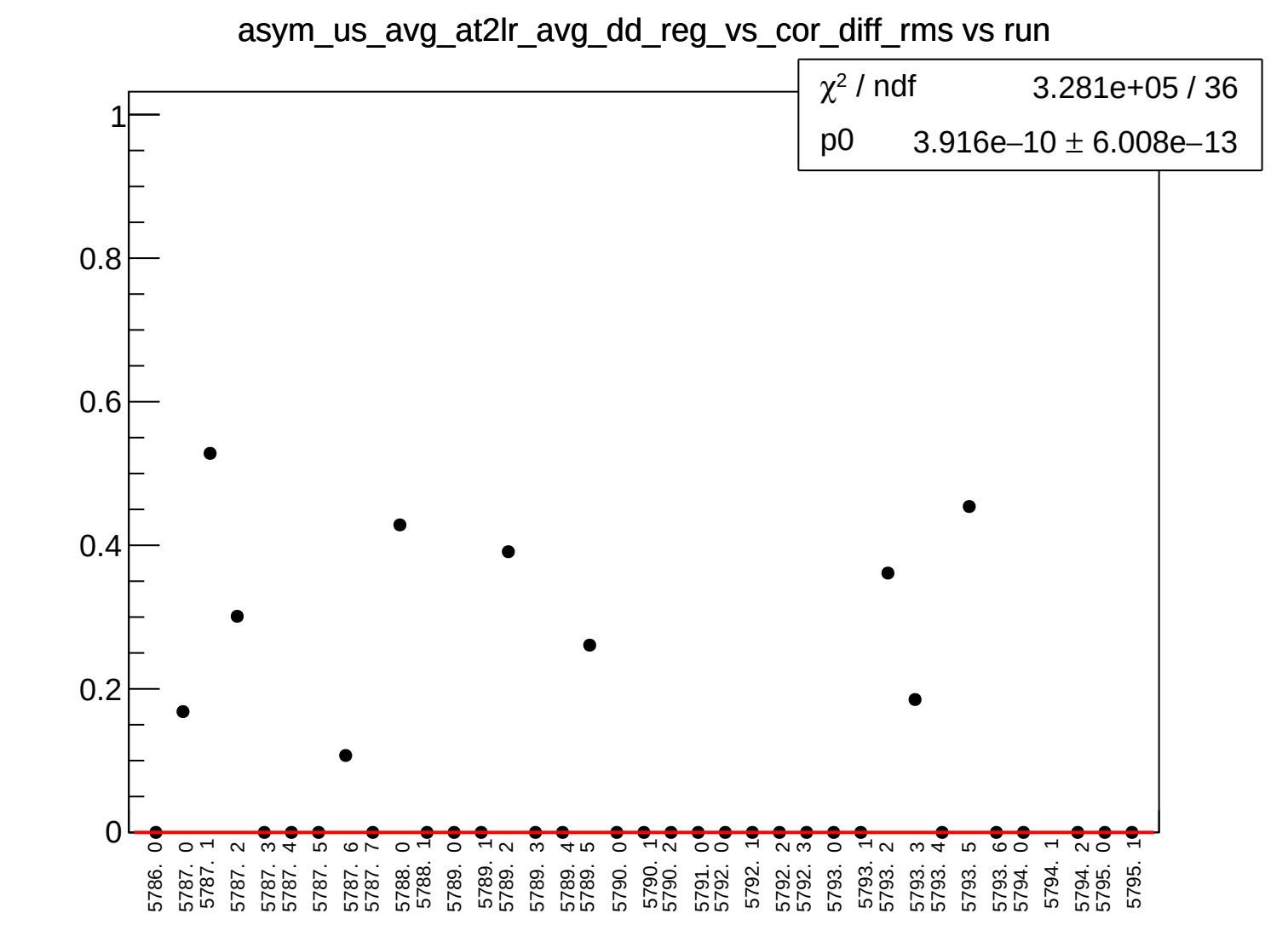

asym_us_avg_at2lr_avg_dd_eigen_dit_correction_rms vs run
χ² / ndf 1051 / 36
p0 6667 ± 7.689
7200
7000
6800
6600
6400
6200
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

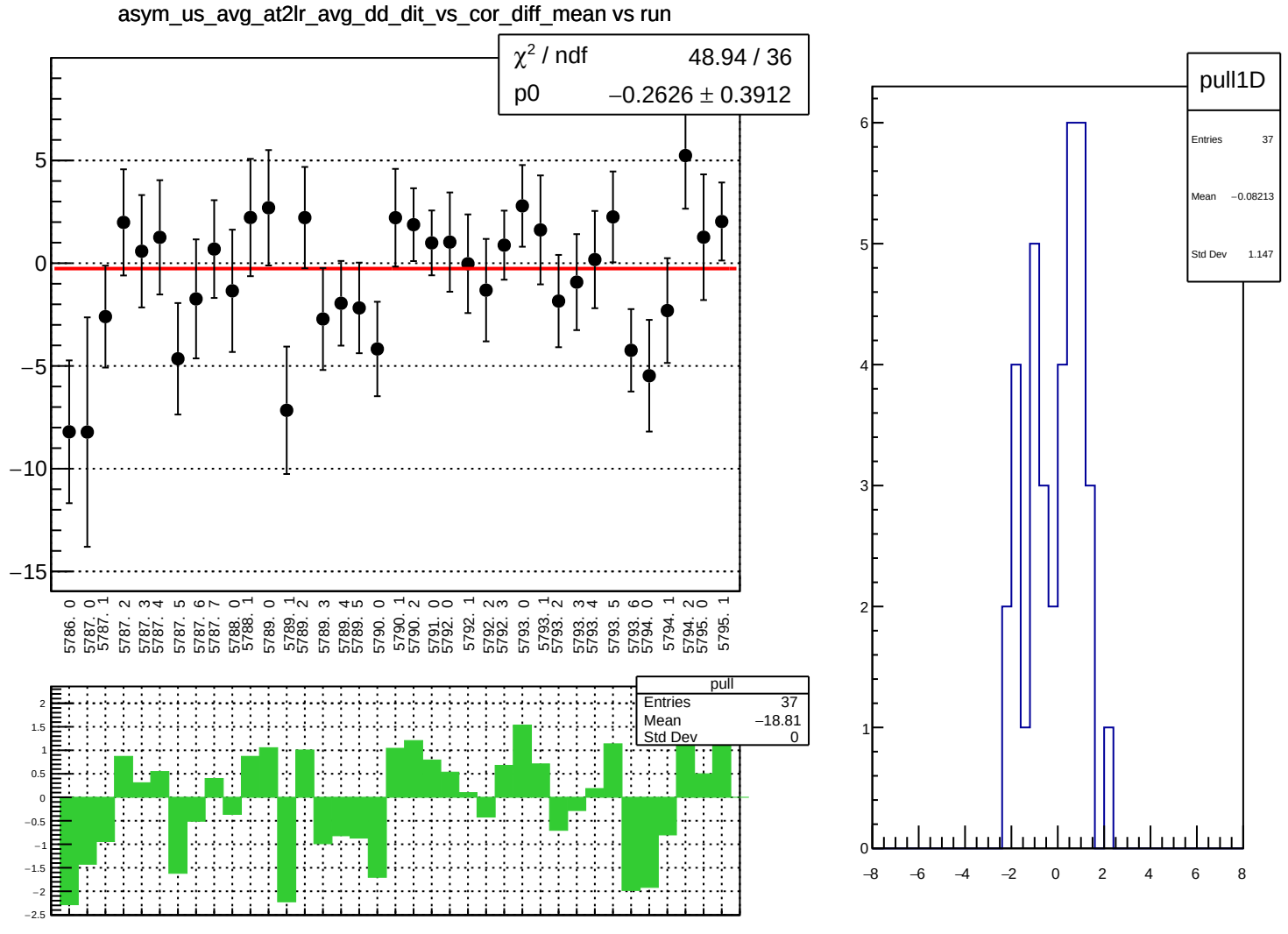

asym_us_avg_at2lr_avg_dd_mean vs run
×10^3
χ² / ndf 36.71 / 36
p0 −1.897e+04 ± 1.132e+04
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2.671
Std Dev 0
2
1
0
−1
−2

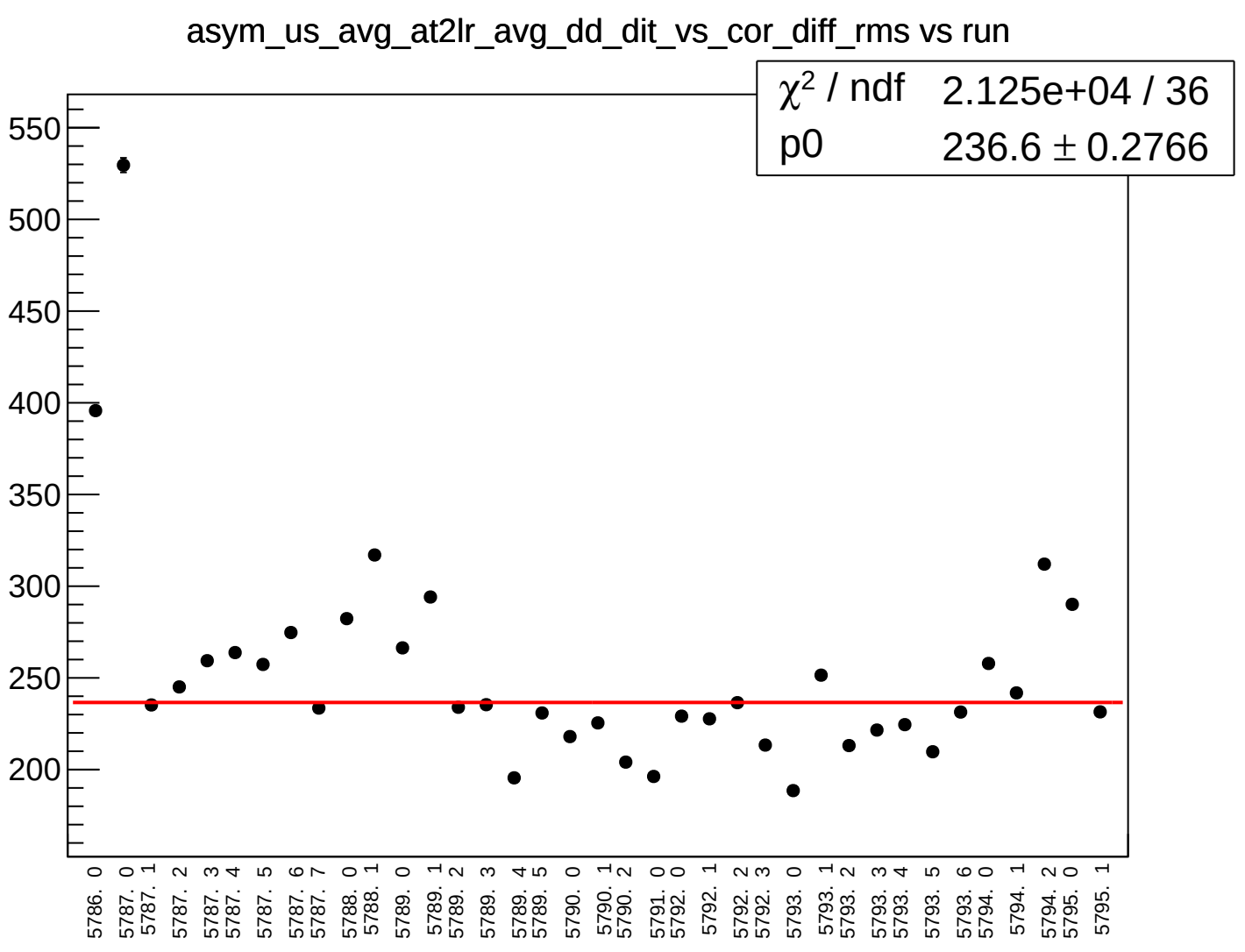

pull1D
Entries 37
Mean −0.01614
Std Dev 0.996
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

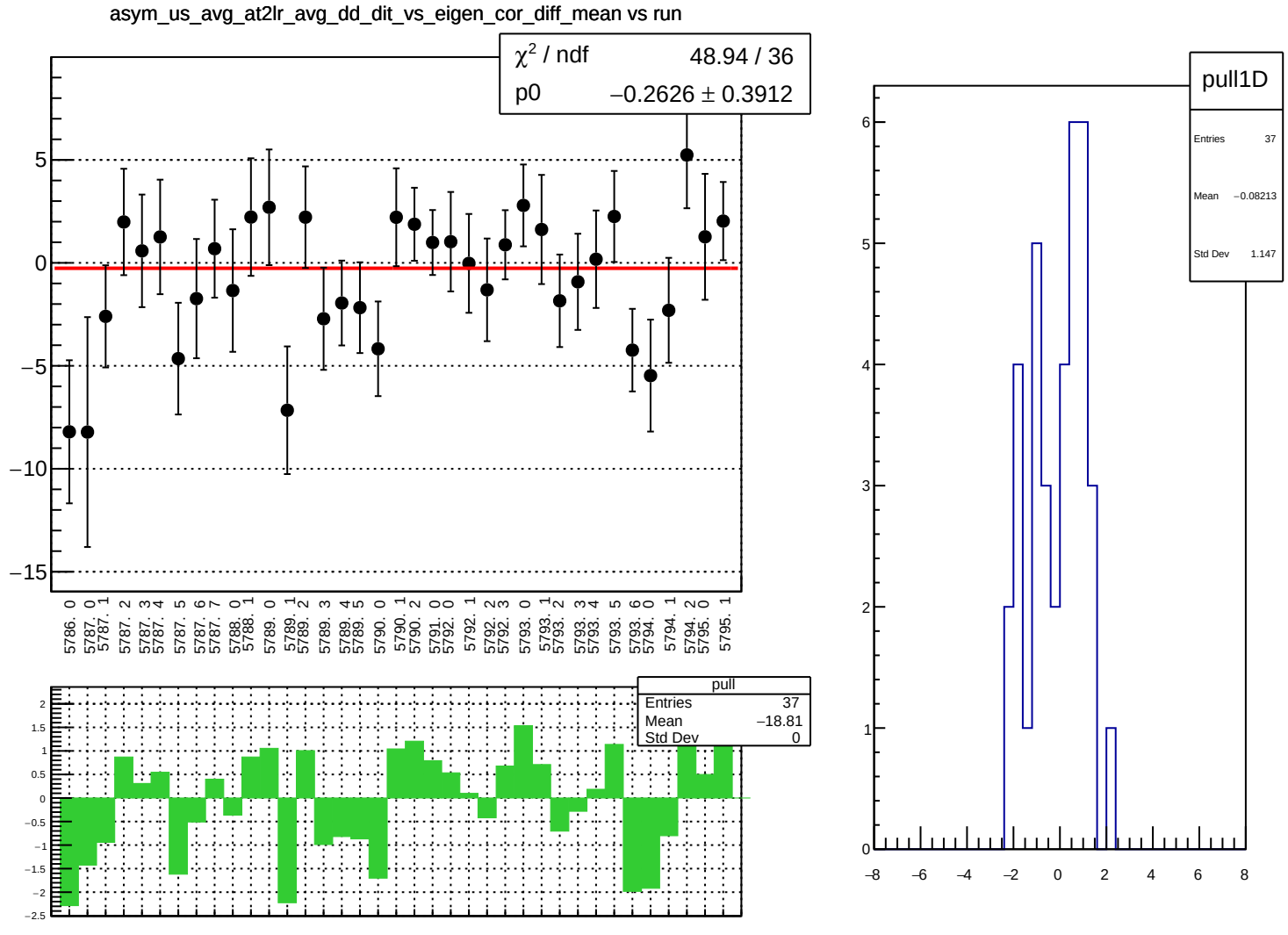

asym_us_avg_at2lr_avg_dd_rms vs run
χ² / ndf 883.4 / 36
p0 6944 ± 8.007
7600
7400
7200
7000
6800
6600
6400
6200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

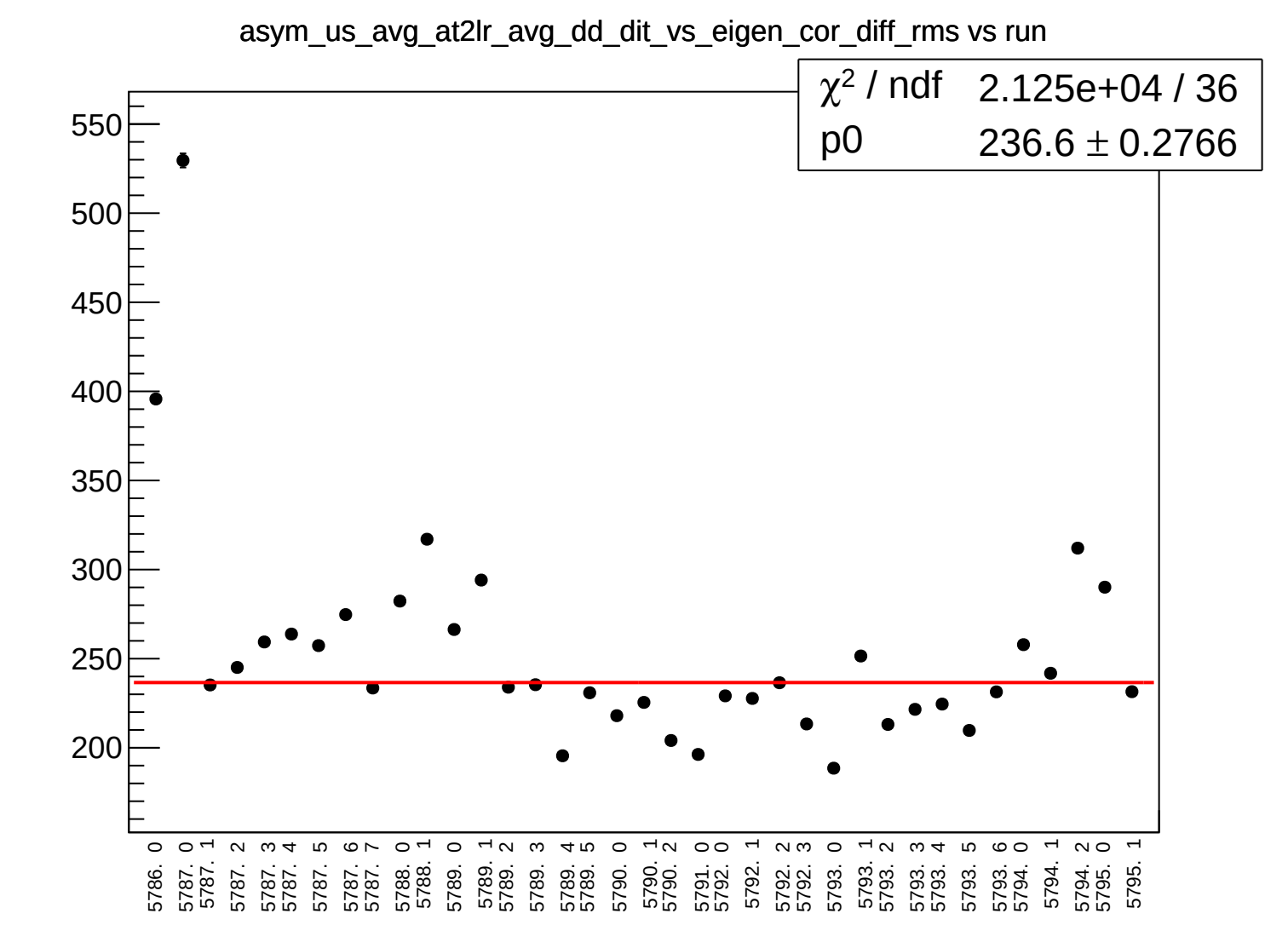

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 44.17 / 36
p0 4.646e−14 ± 8.497e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 99.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.04243
Std Dev 1.092
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

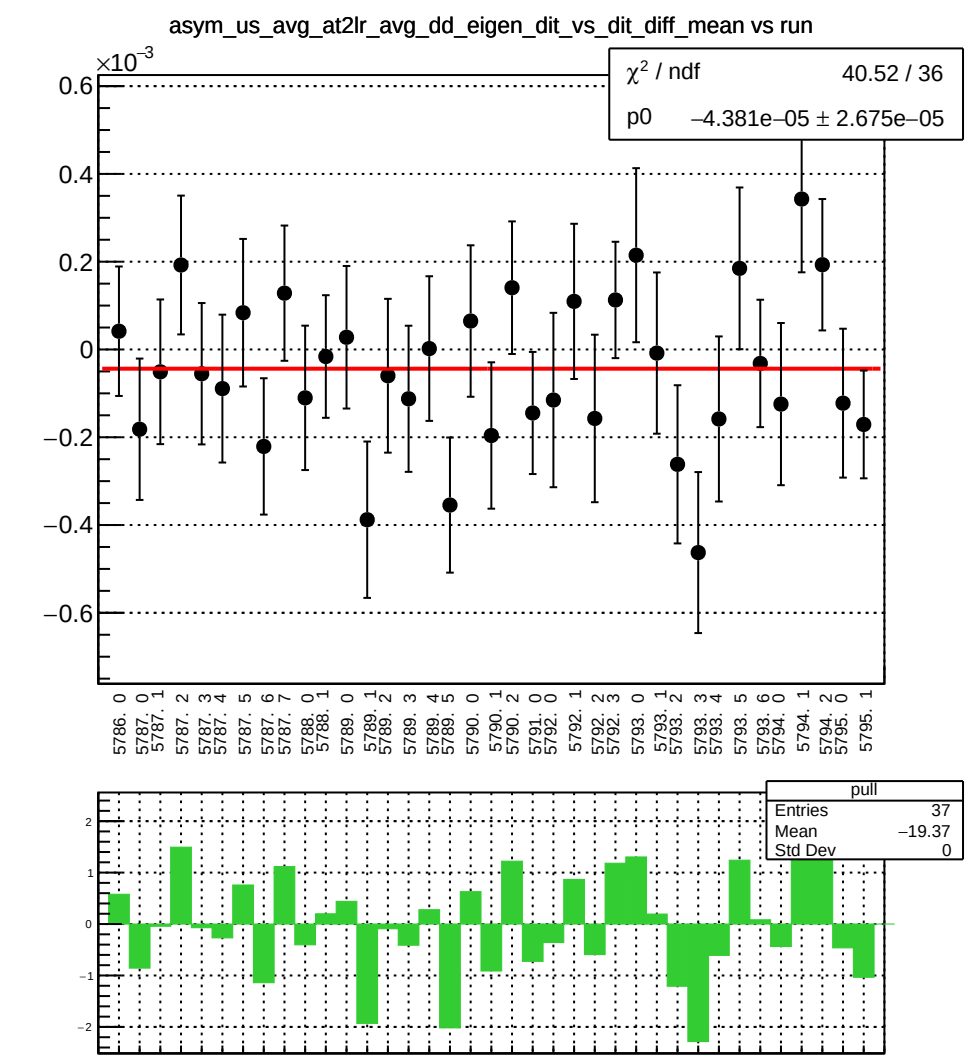

asym_us_avg_at2lr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.281e+05 / 36
p0 3.916e−10 ± 6.008e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

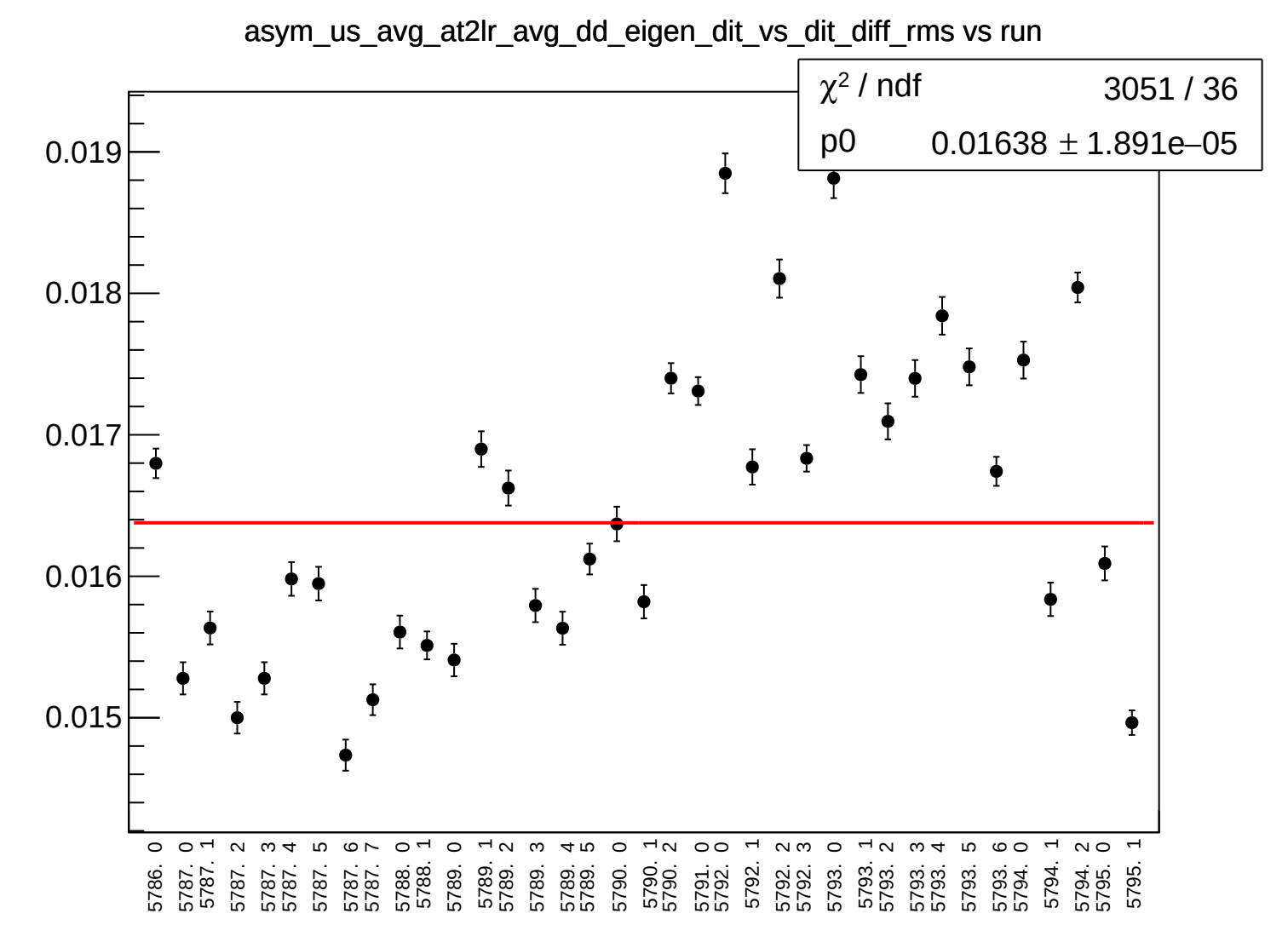

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.94 / 36
p0 −0.2626 ± 0.3912
pull
Entries 37
Mean −18.81
Std Dev 0
pull1D
Entries 37
Mean −0.08213
Std Dev 1.147

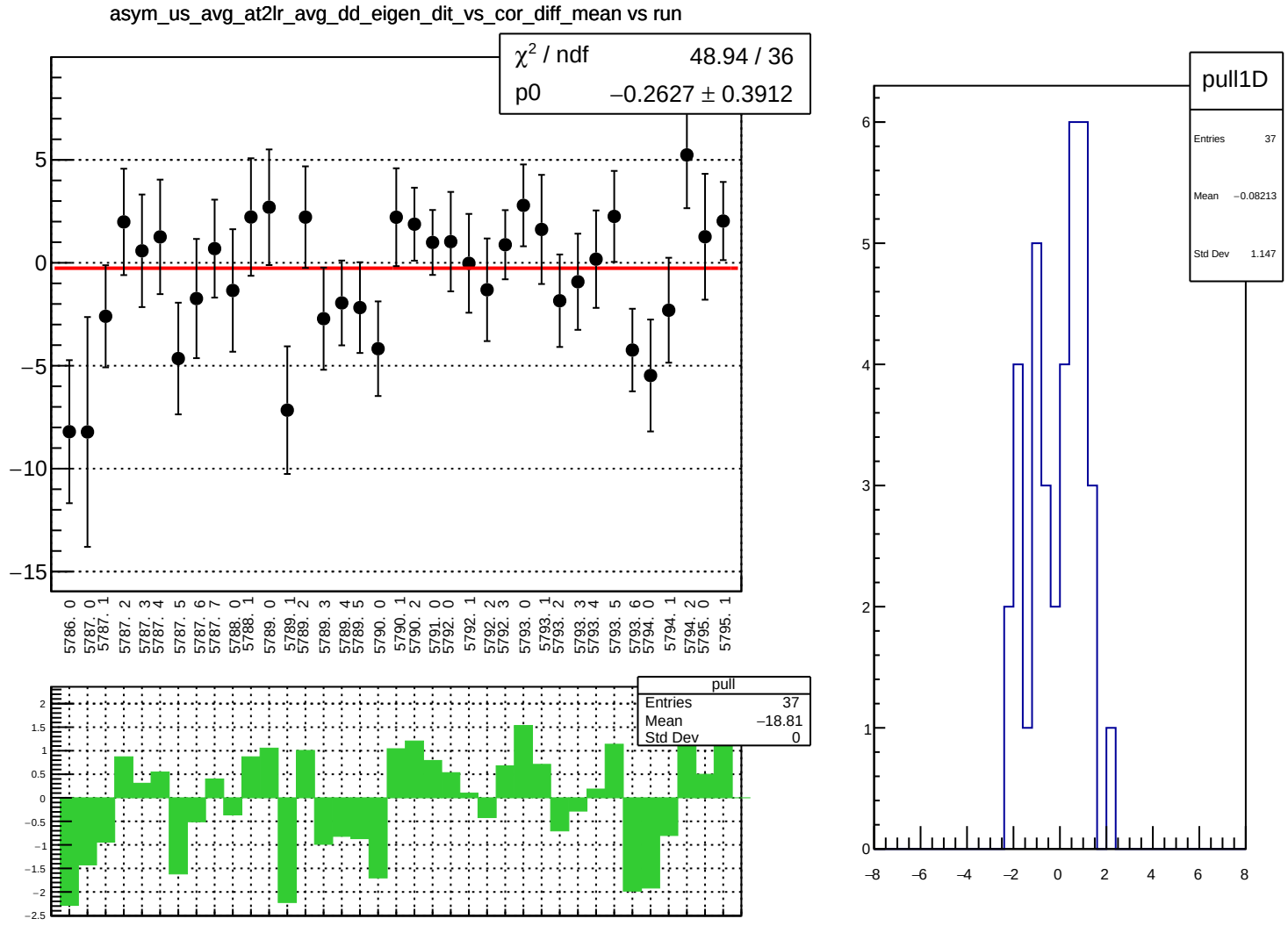

asym_us_avg_at2lr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.125e+04 / 36
p0 236.6 ± 0.2766
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

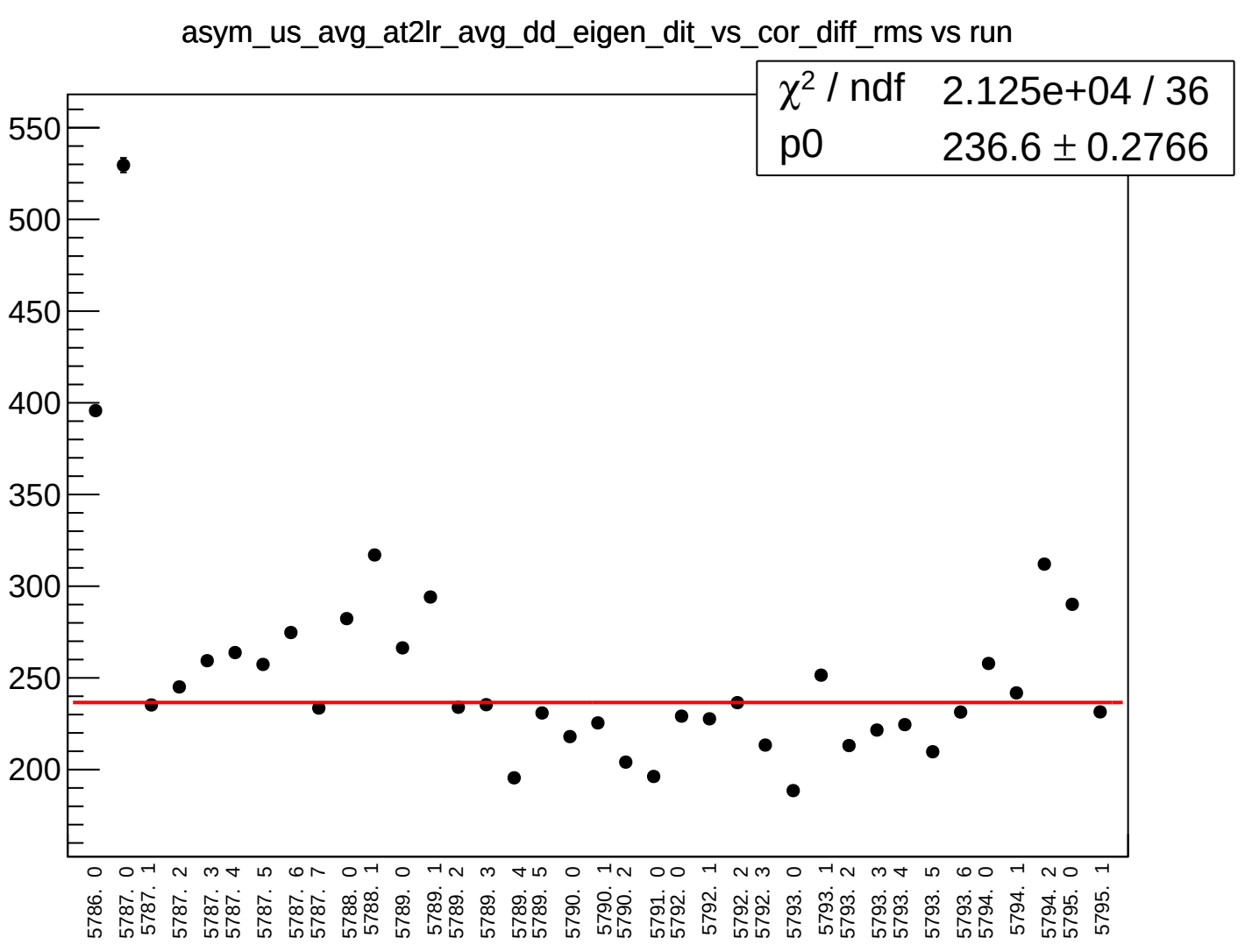

asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.94 / 36
p0 −0.2626 ± 0.3912
pull
Entries 37
Mean −18.81
Std Dev 0
pull1D
Entries 37
Mean −0.08213
Std Dev 1.147


asym_us_avg_at2lr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.125e+04 / 36
p0 236.6 ± 0.2766
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

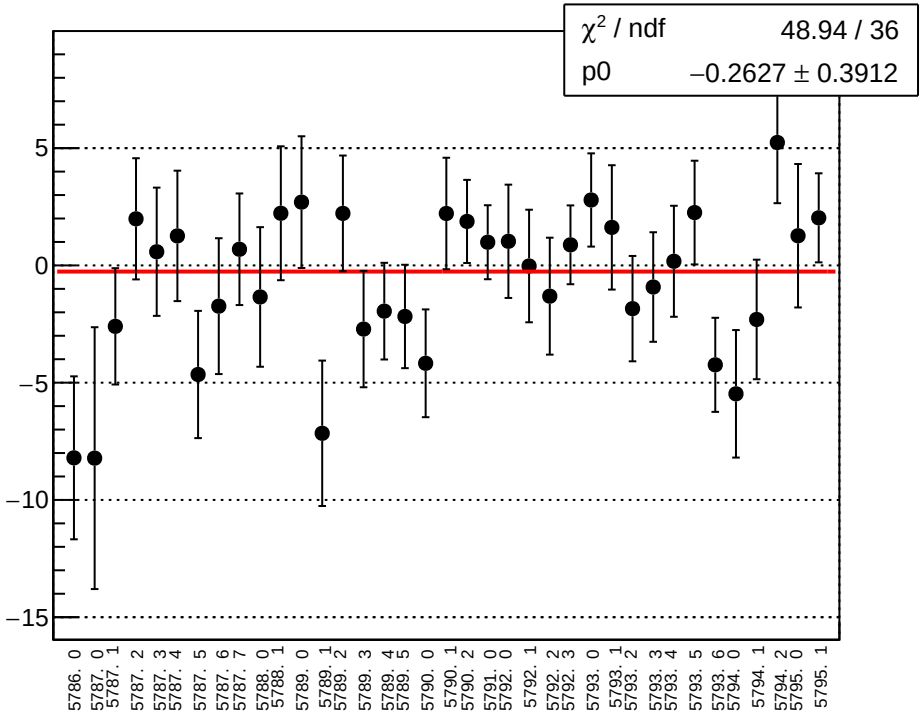

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.52 / 36
p0 −4.381e−05 ± 2.675e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.37
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01024
Std Dev 1.046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

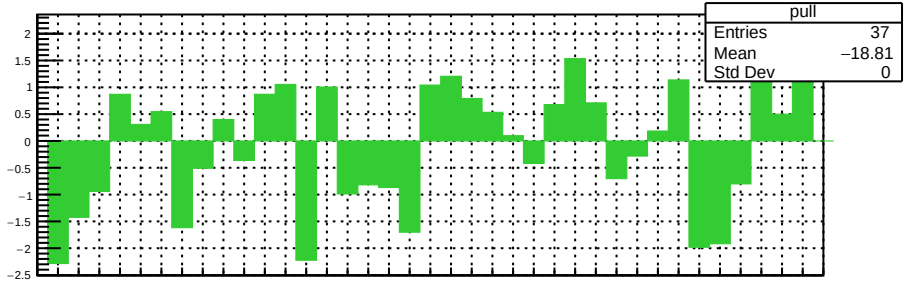

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3051 / 36
p0 0.01638 ± 1.891e–05
0.019
0.018
0.017
0.016
0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

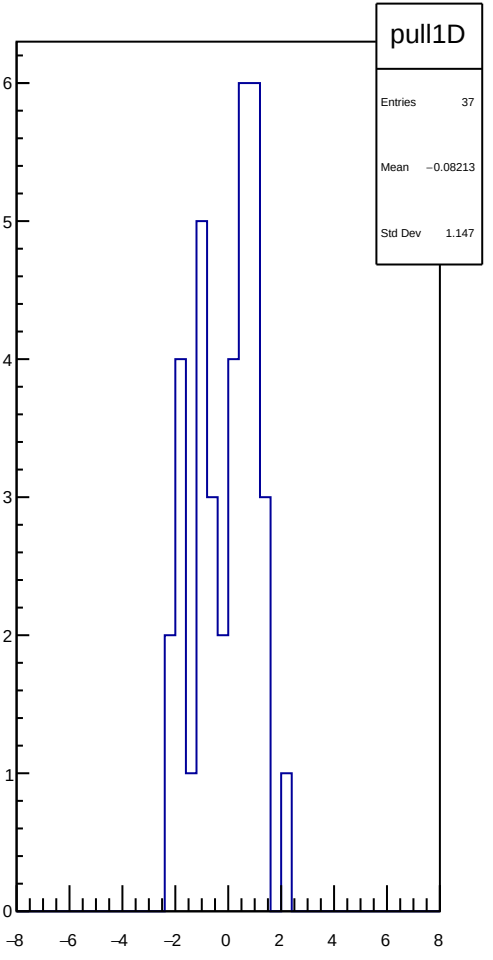

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.94 / 36
p0 −0.2627 ± 0.3912
pull
Entries 37
Mean −18.81
Std Dev 0
pull1D
Entries 37
Mean −0.08213
Std Dev 1.147

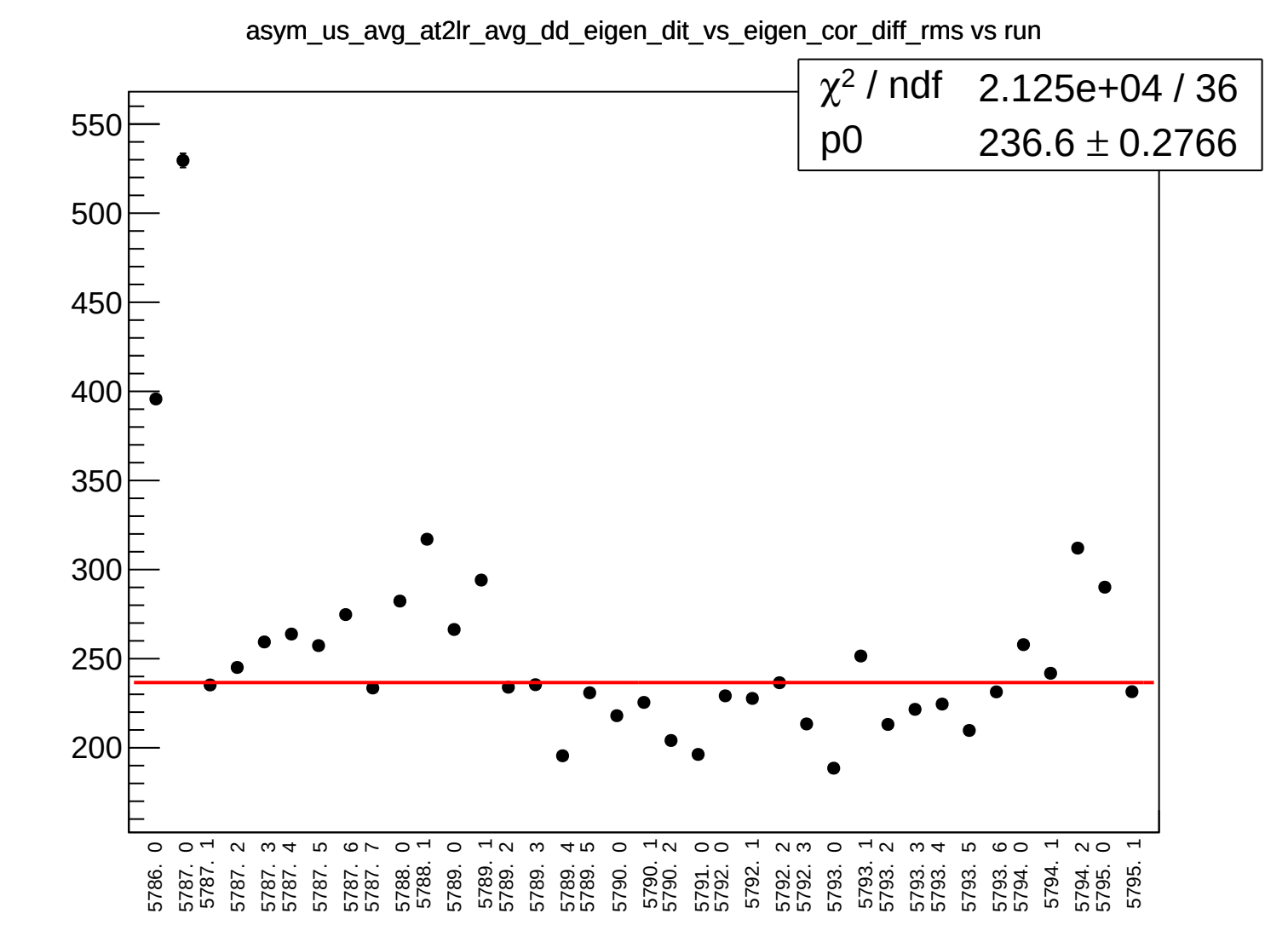

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.125e+04 / 36
p0 236.6 ± 0.2766
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

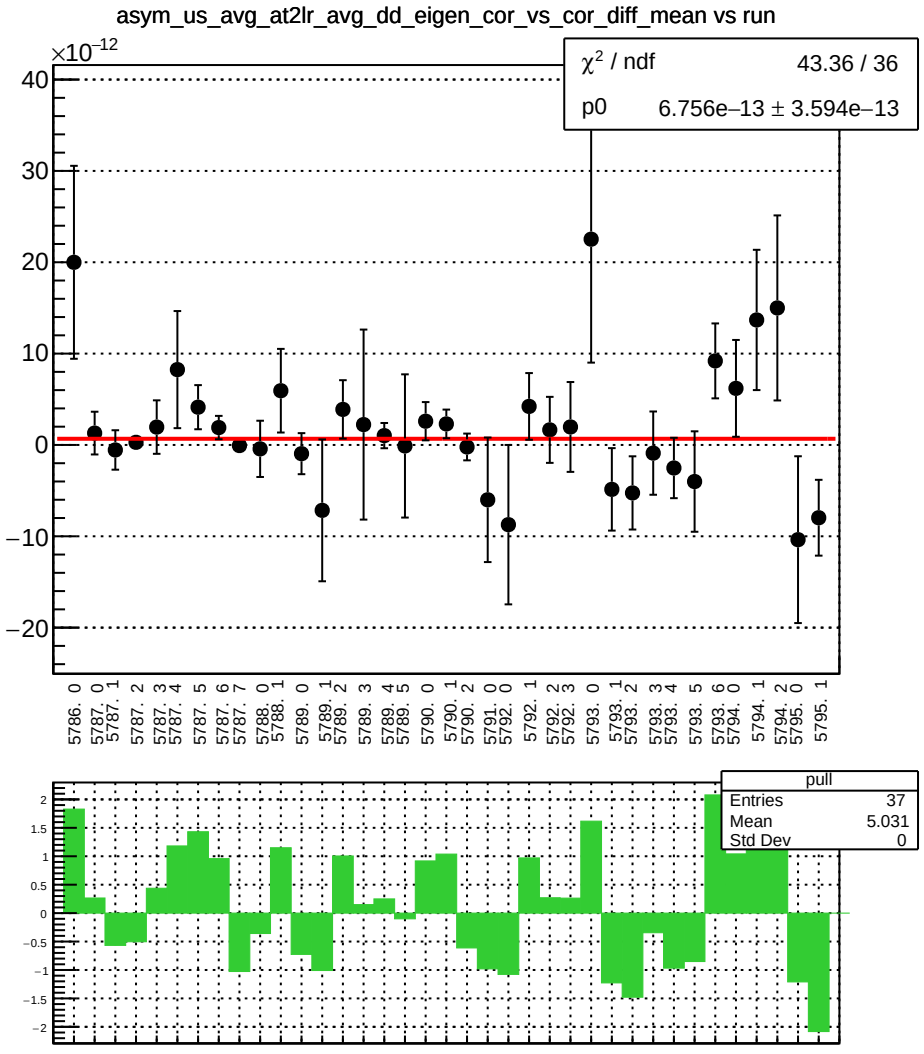
asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

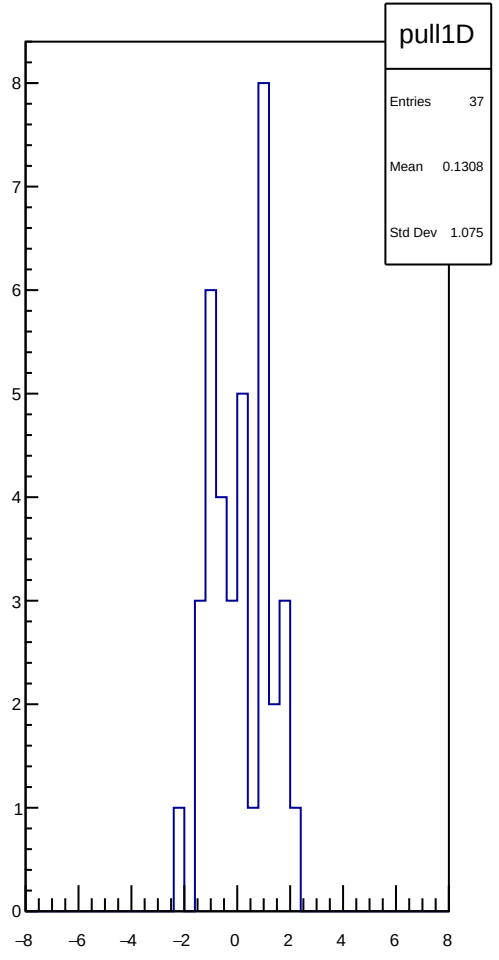


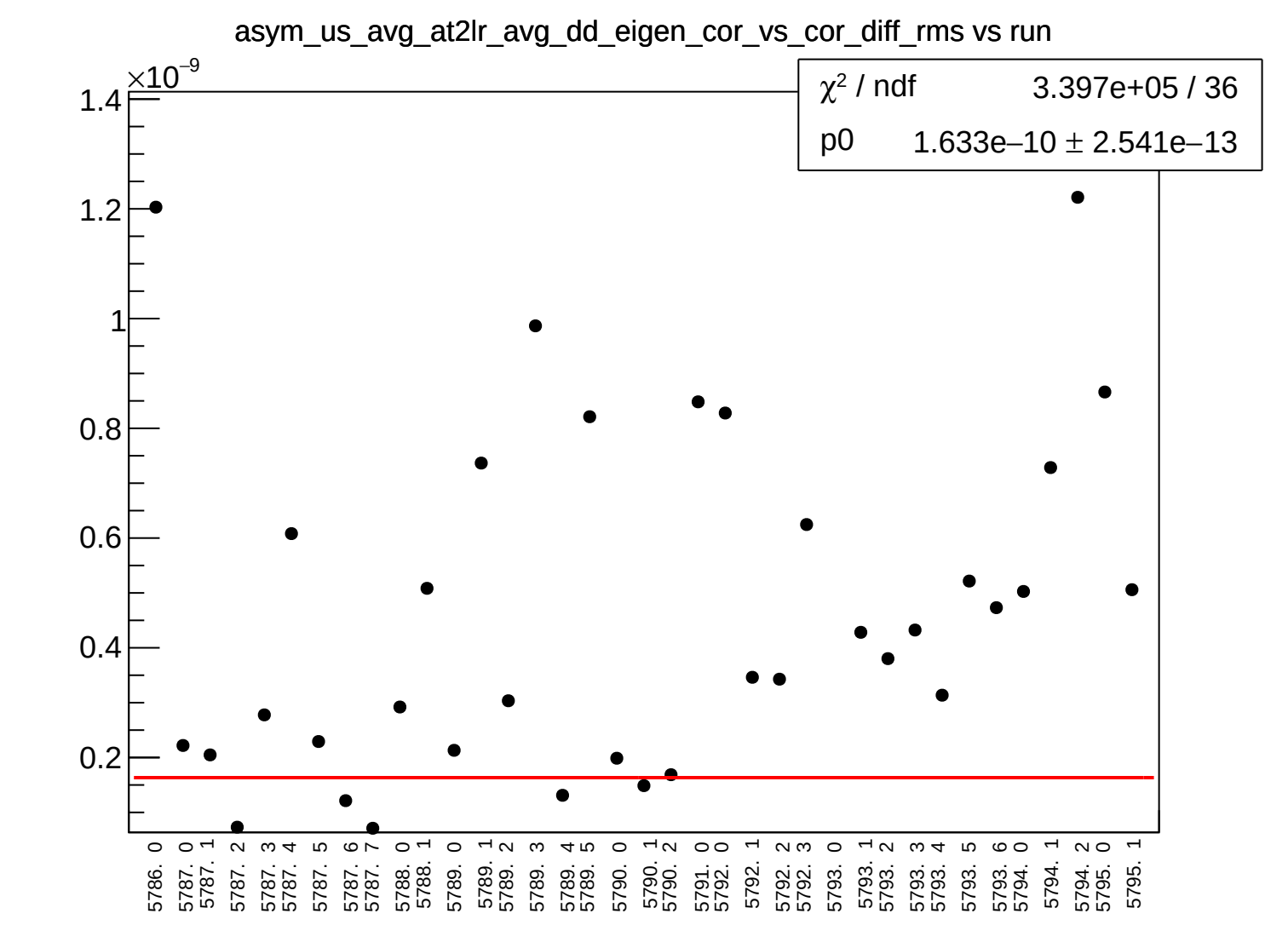


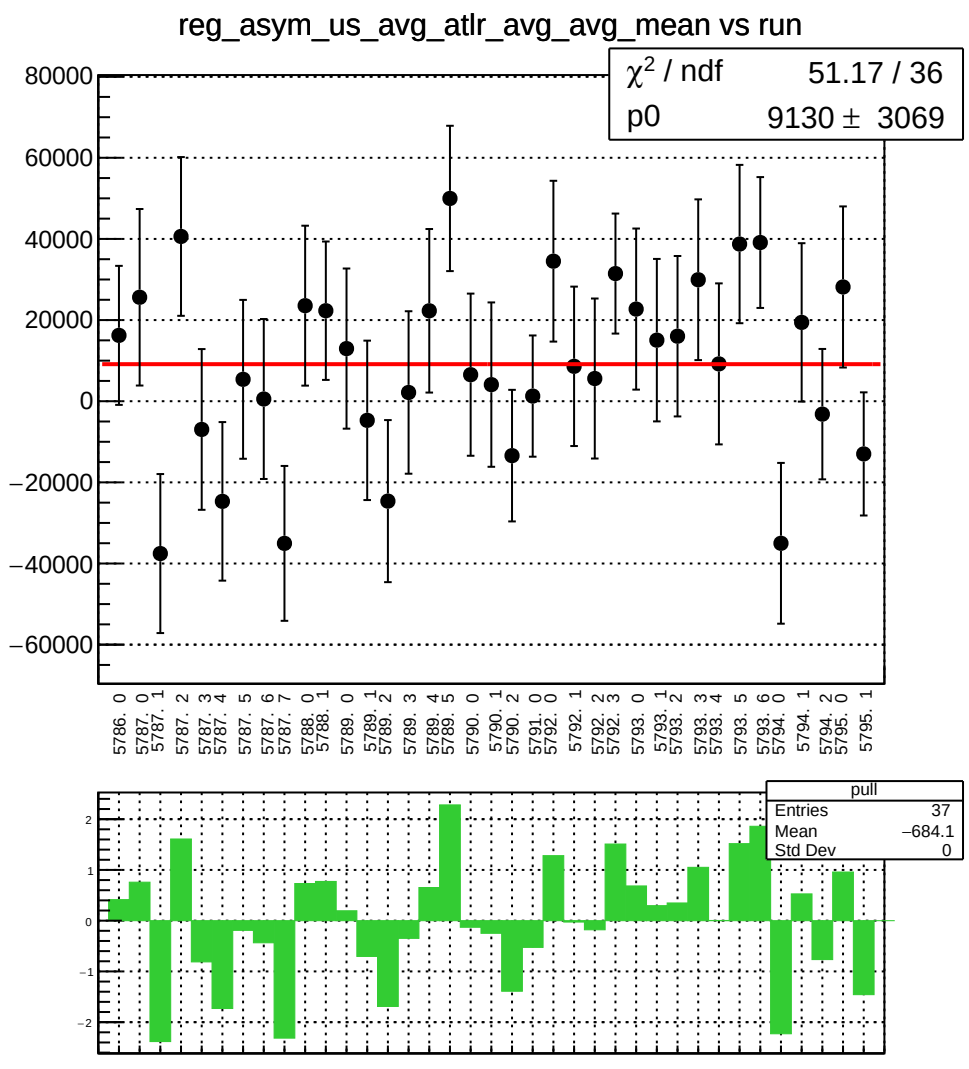


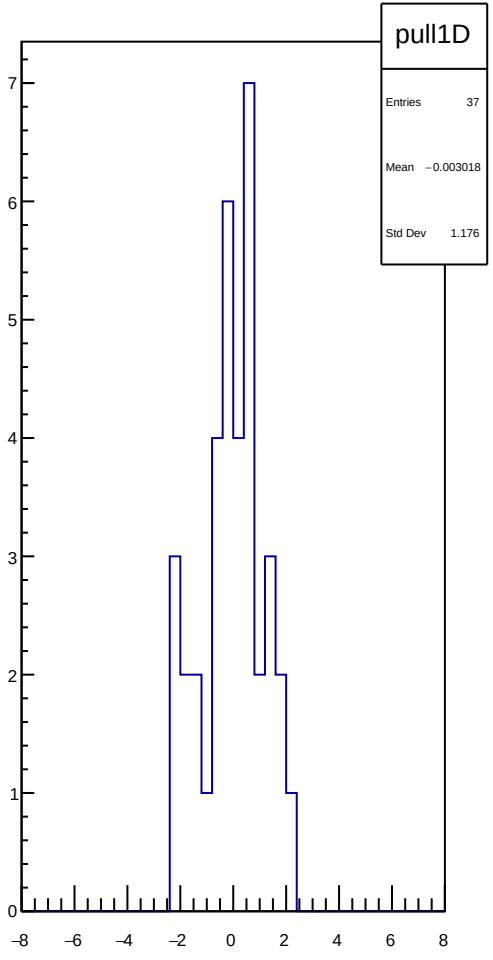

asym_us_avg_at2lr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.125e+04 / 36
p0 236.6 ± 0.2766
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

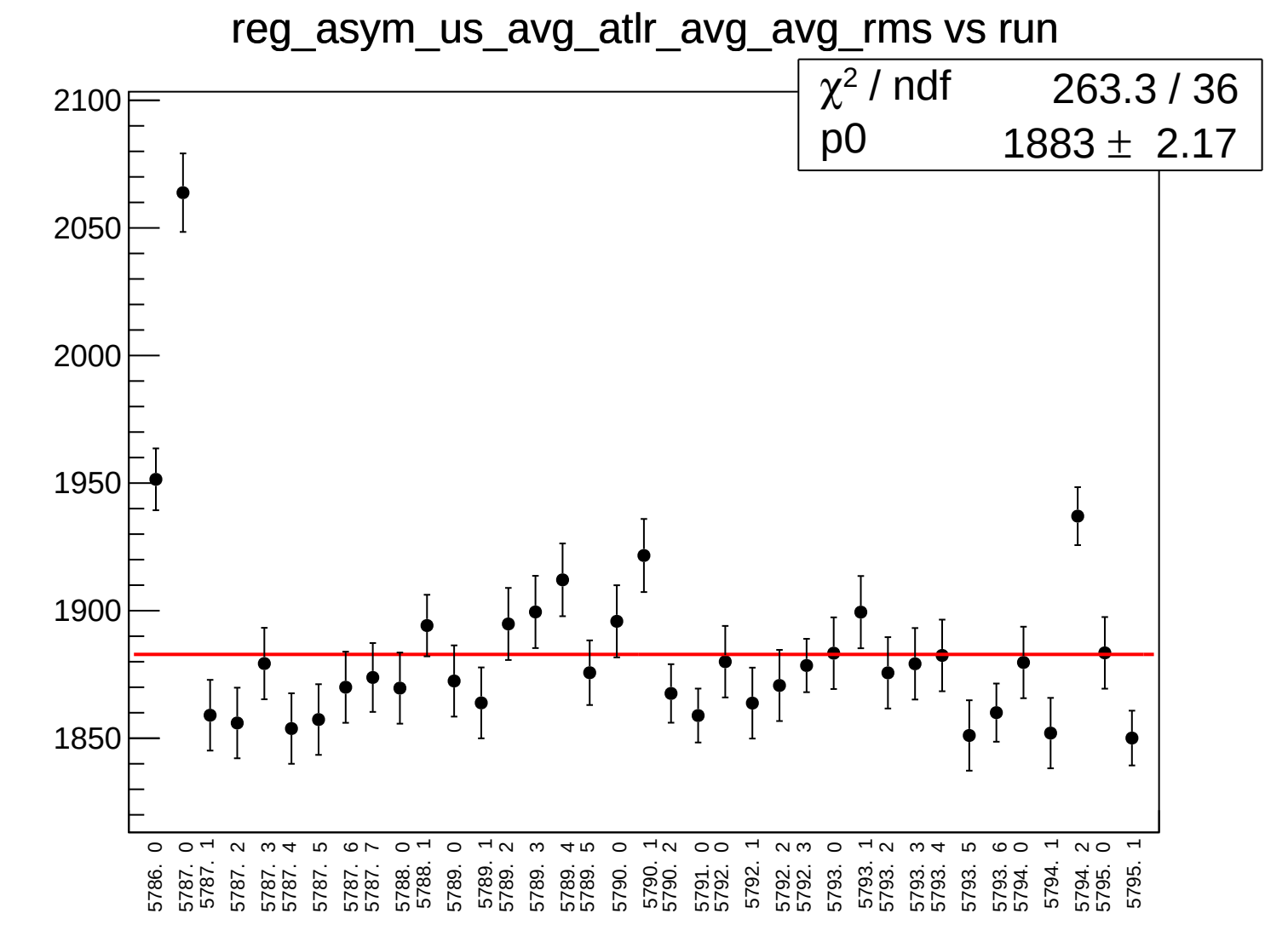

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.36 / 36
p0 6.756e−13 ± 3.594e−13
pull
Entries 37
Mean 5.031
Std Dev 0

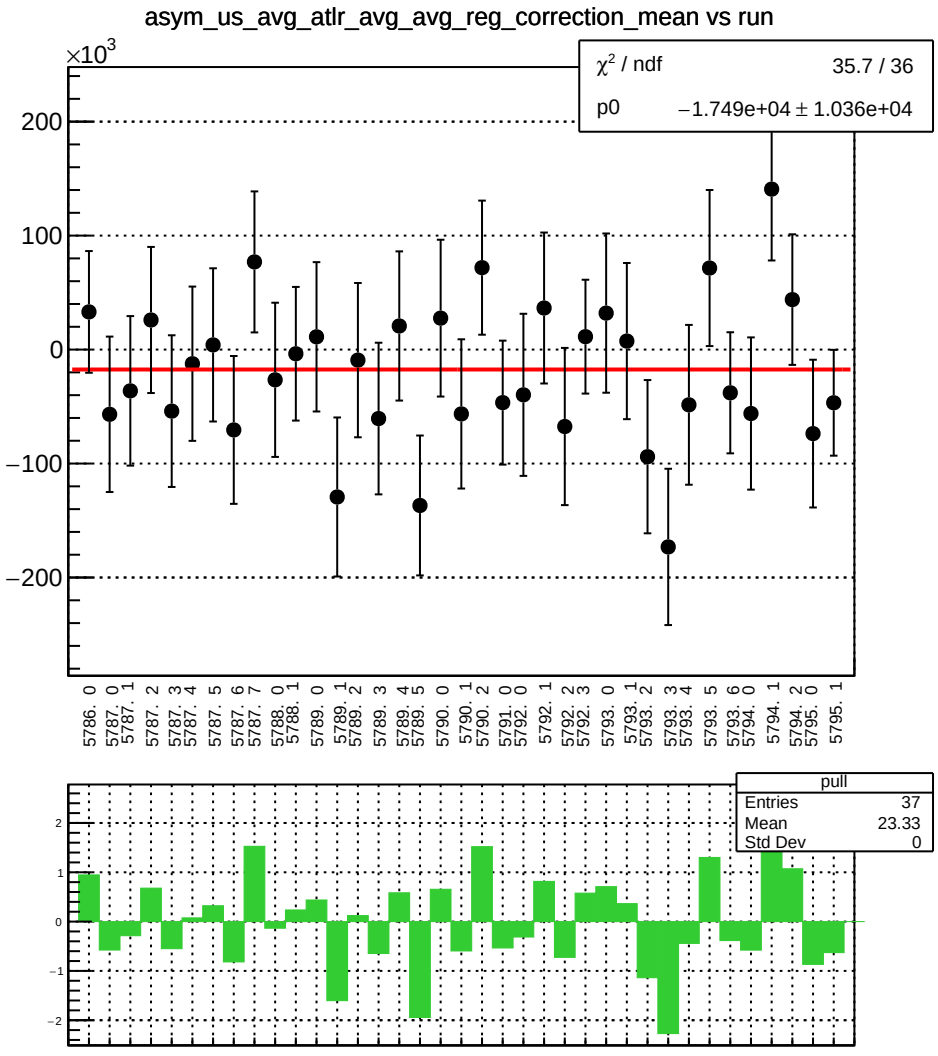

pull1D
Entries 37
Mean 0.1308
Std Dev 1.075

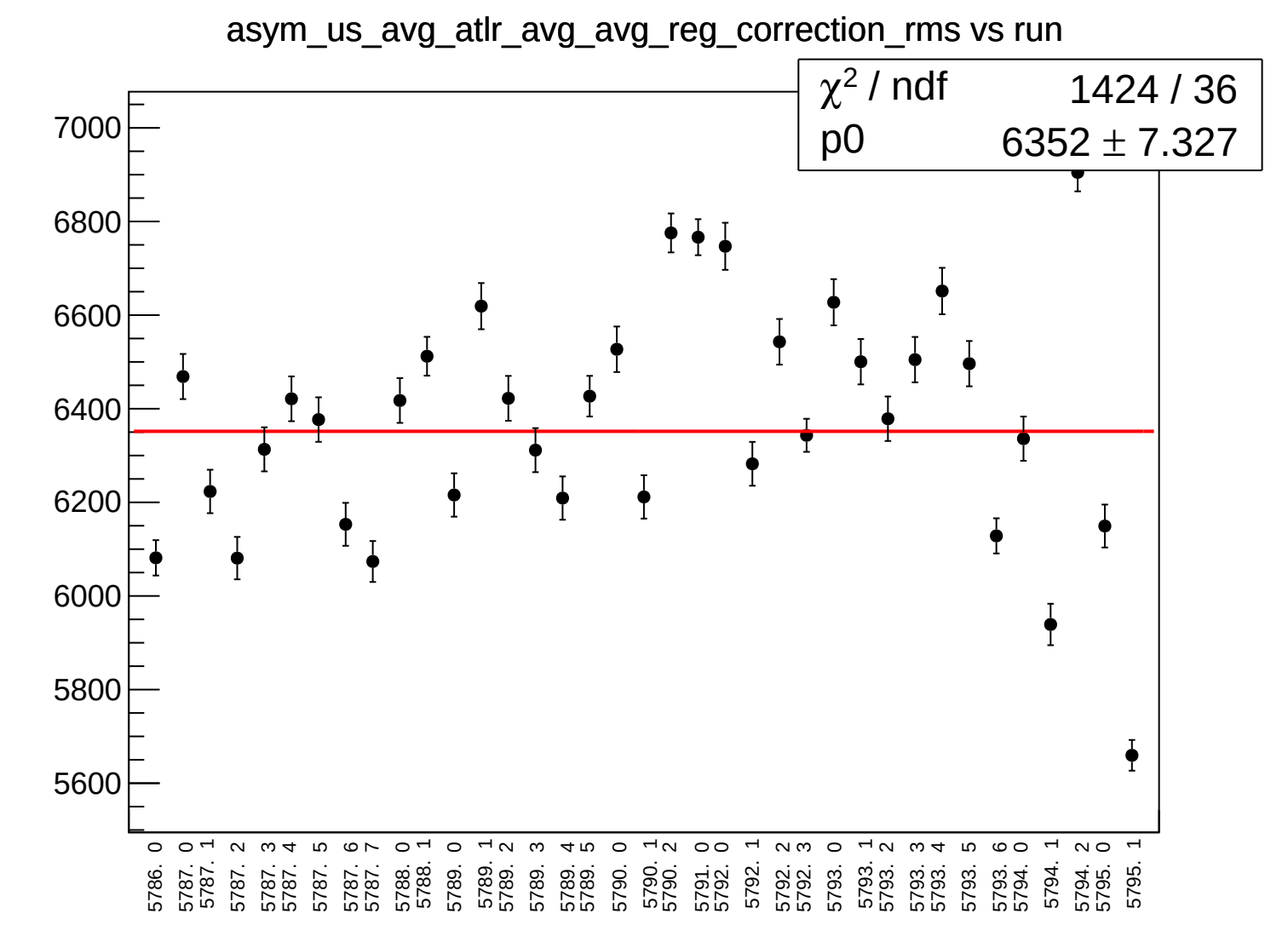

asym_us_avg_at2lr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.397e+05 / 36
p0 1.633e−10 ± 2.541e−13
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

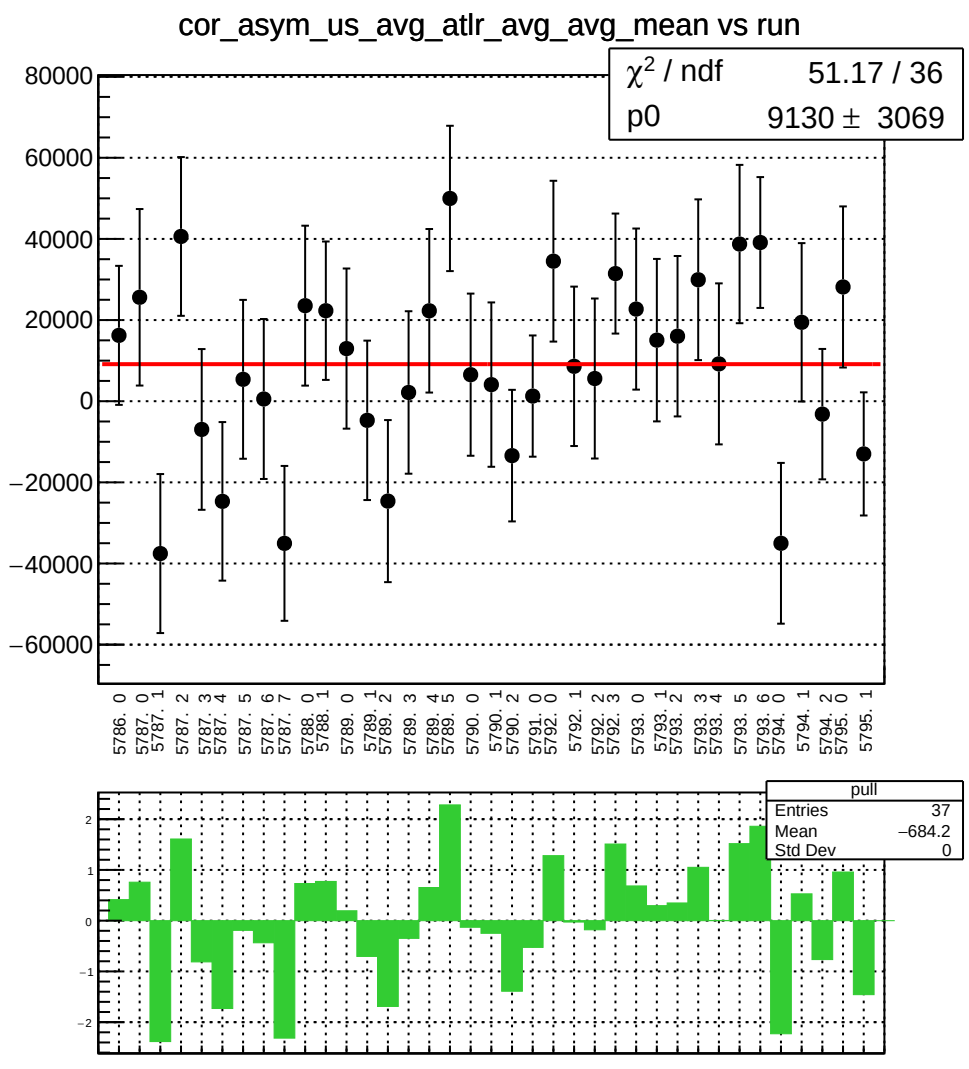

reg_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 51.17 / 36
p0 9130 ± 3069
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −684.1
Std Dev 0
2
1
0
−1
−2

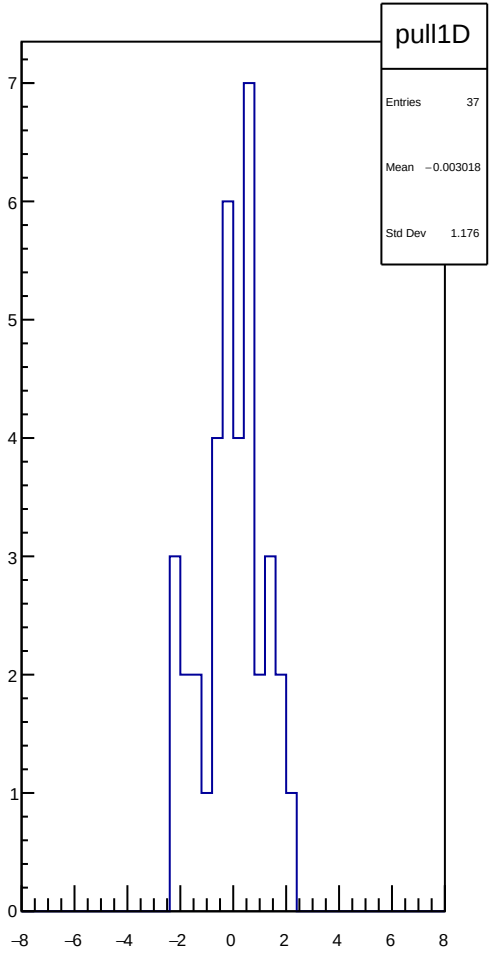

pull1D
Entries 37
Mean −0.003018
Std Dev 1.176
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

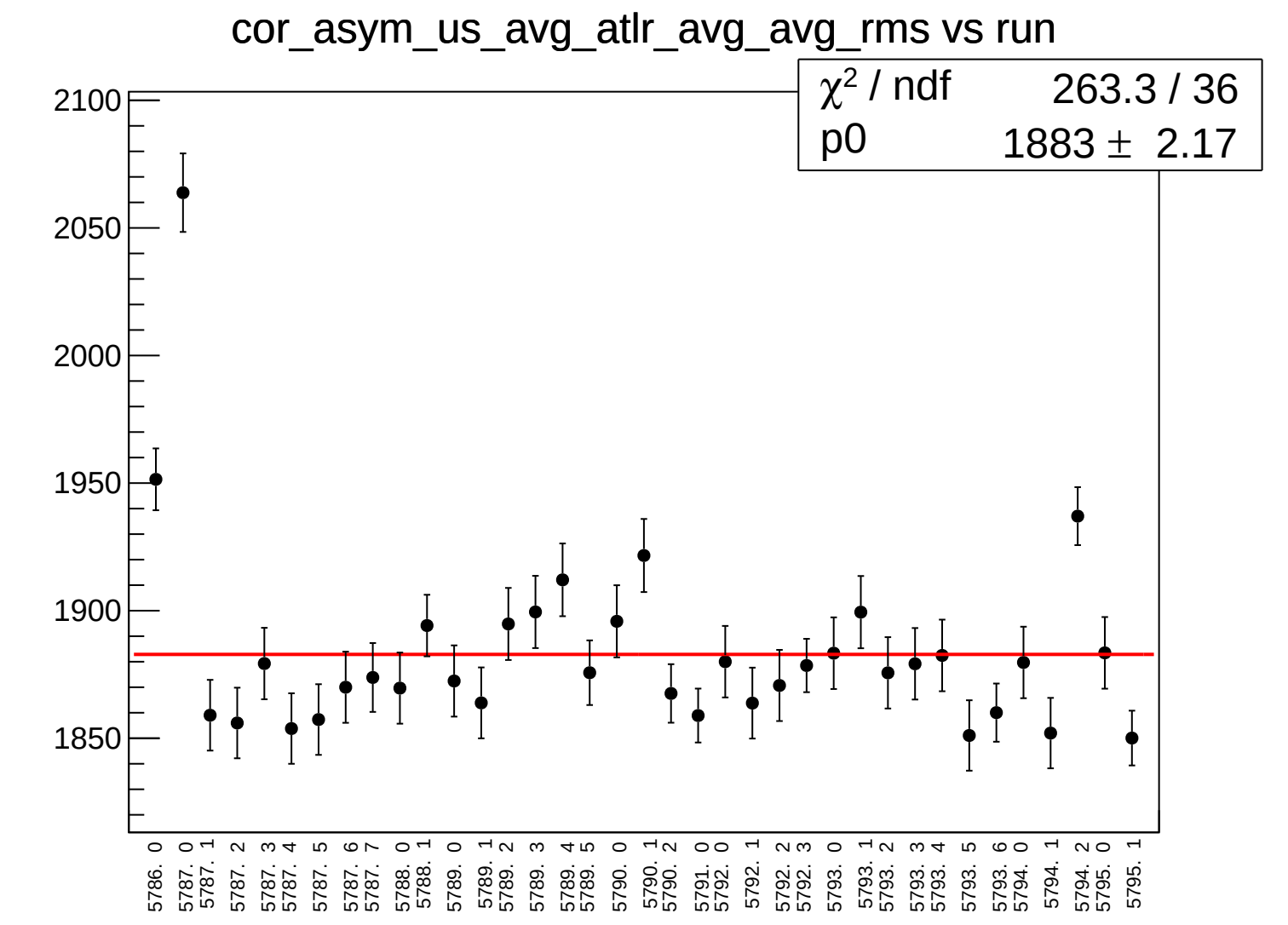

reg_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 263.3 / 36
p0 1883 ± 2.17
2100
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

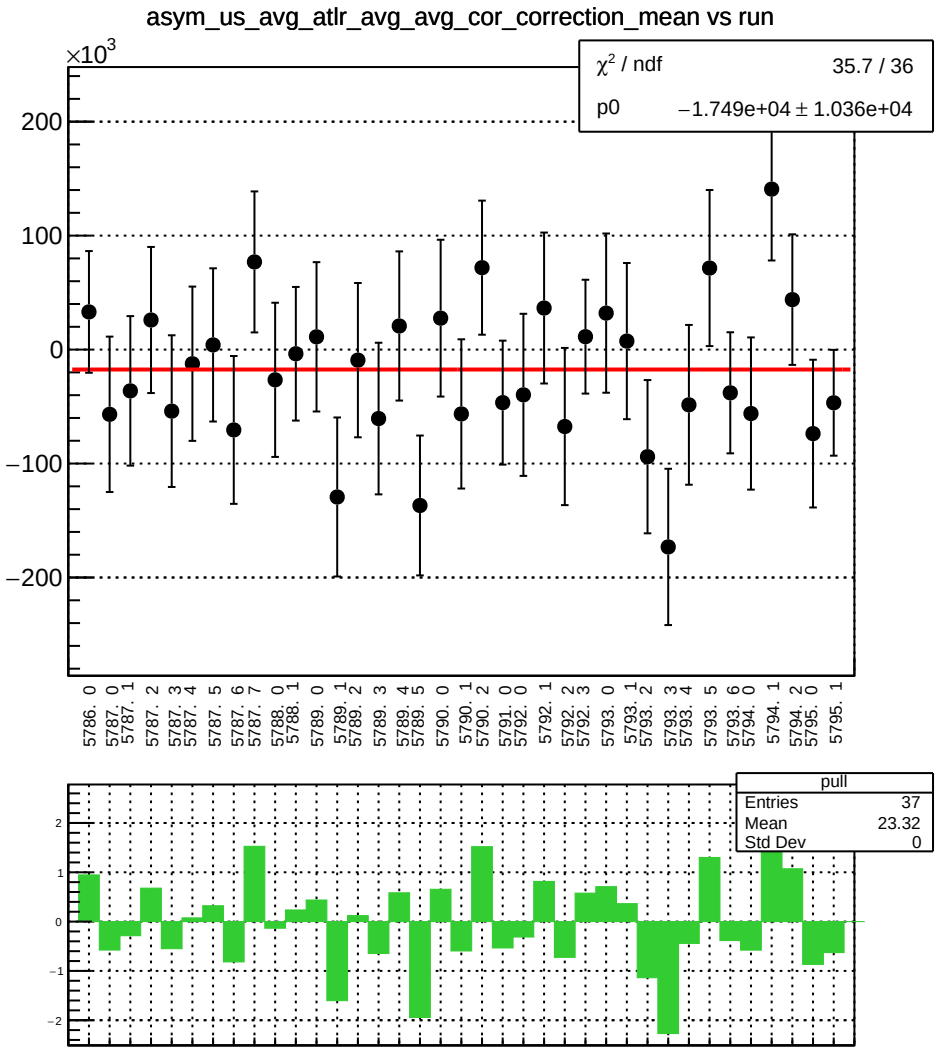

asym_us_avg_atlr_avg_avg_reg_correction_mean vs run
×10^3
χ² / ndf 35.7 / 36
p0 −1.749e+04 ± 1.036e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.33
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01538
Std Dev 0.9822
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

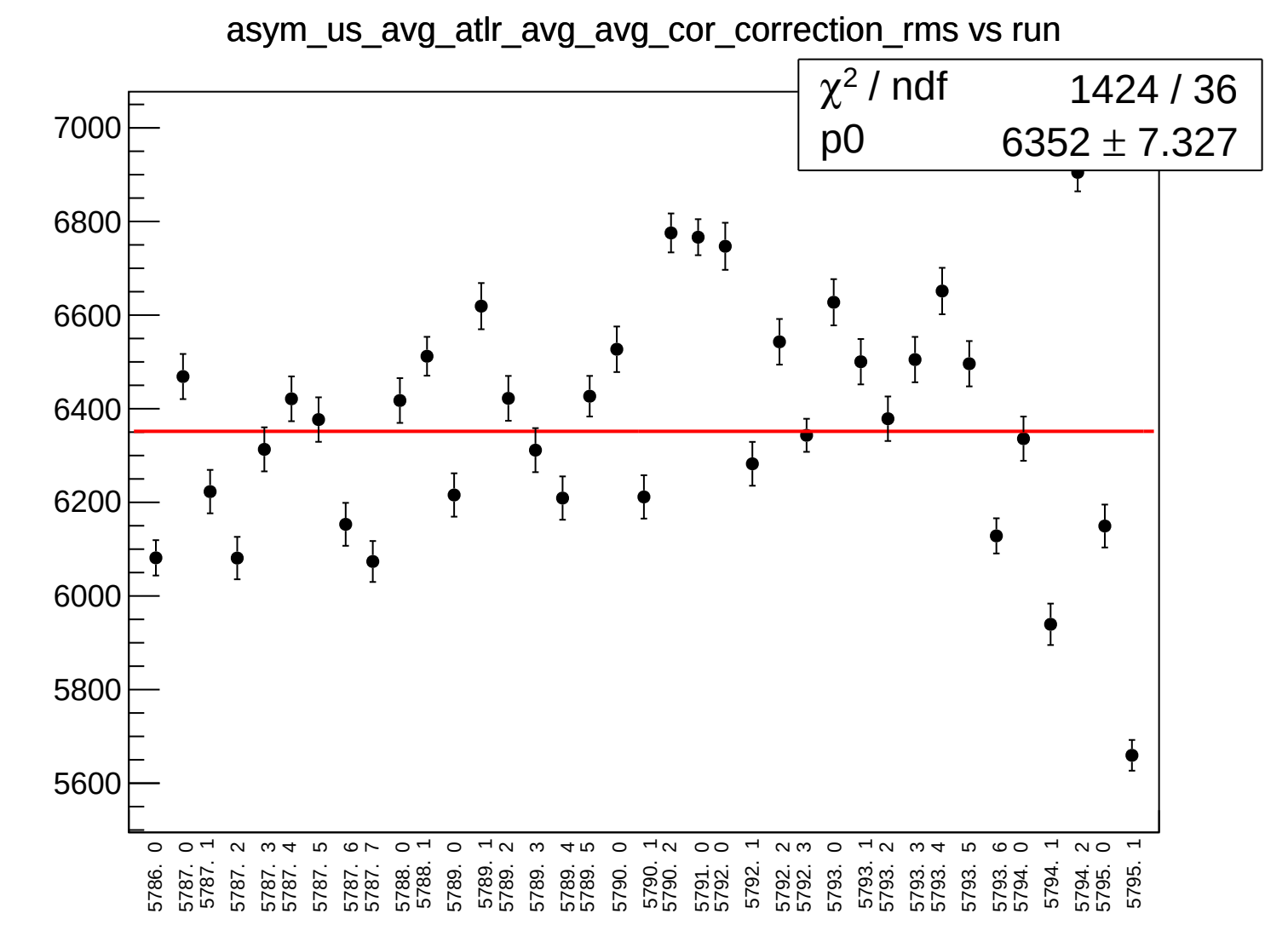

asym_us_avg_atlr_avg_avg_reg_correction_rms vs run
χ² / ndf 1424 / 36
p0 6352 ± 7.327
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

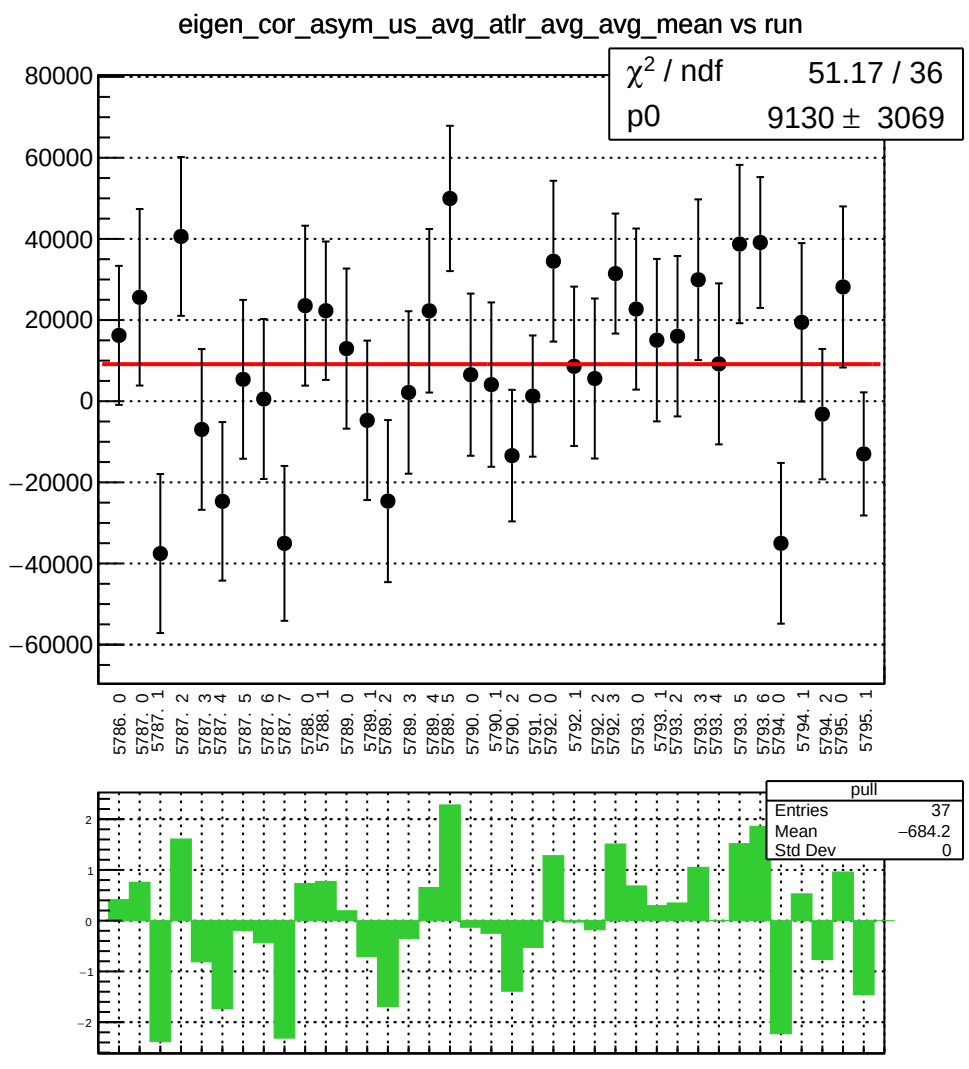

cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 51.17 / 36
p0 9130 ± 3069
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −684.2
Std Dev 0
2
1
0
−1
−2

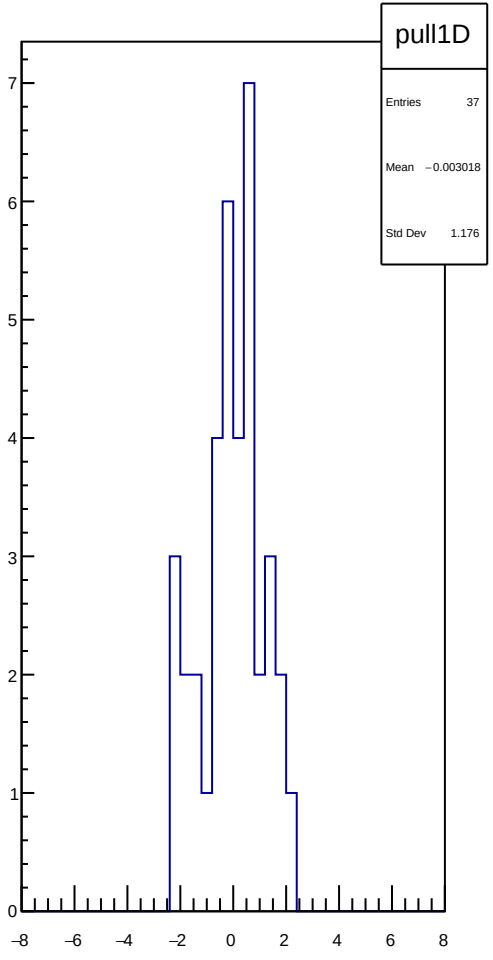

pull1D
Entries 37
Mean −0.003018
Std Dev 1.176
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

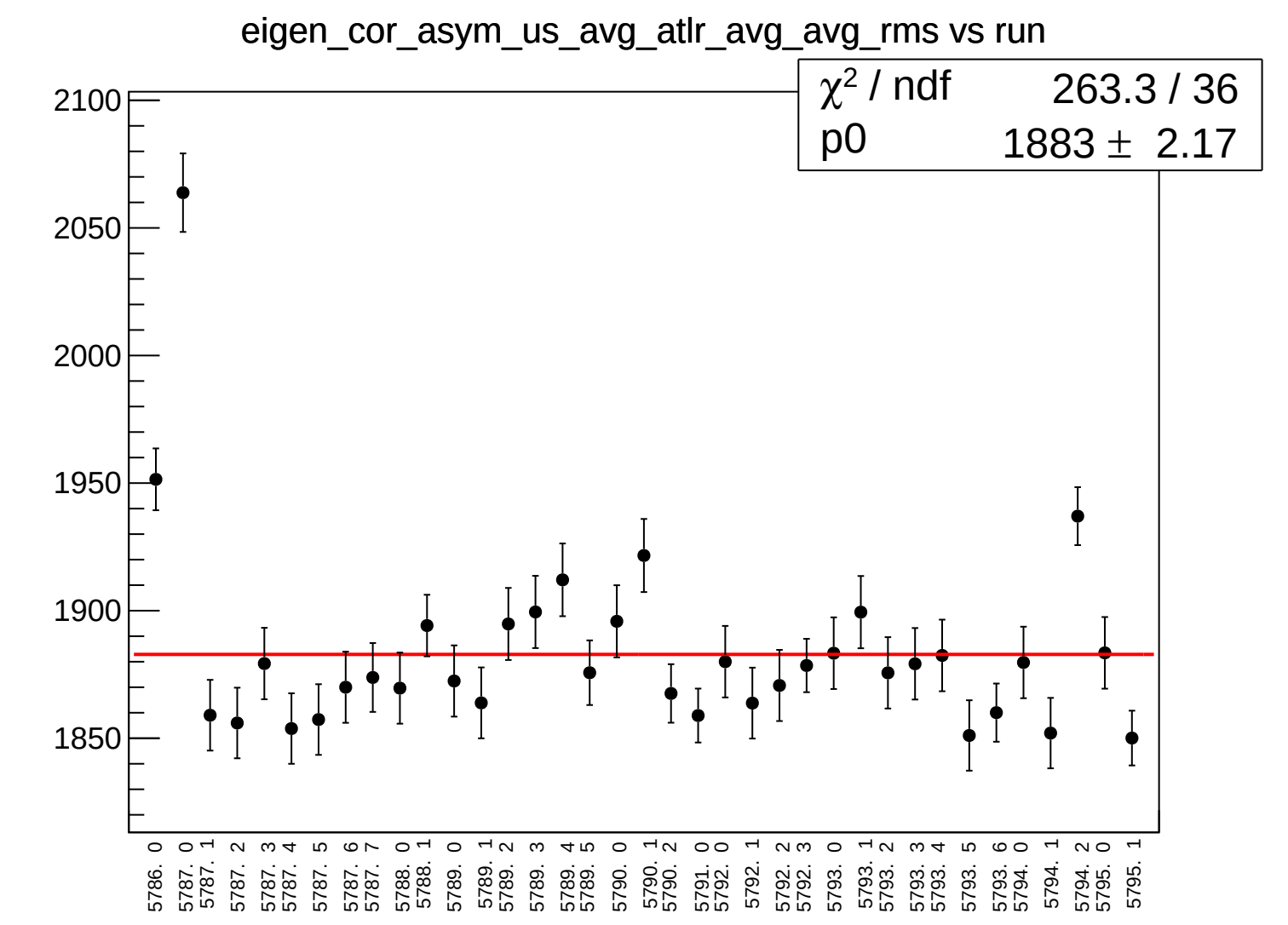

cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 263.3 / 36
p0 1883 ± 2.17
2100
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

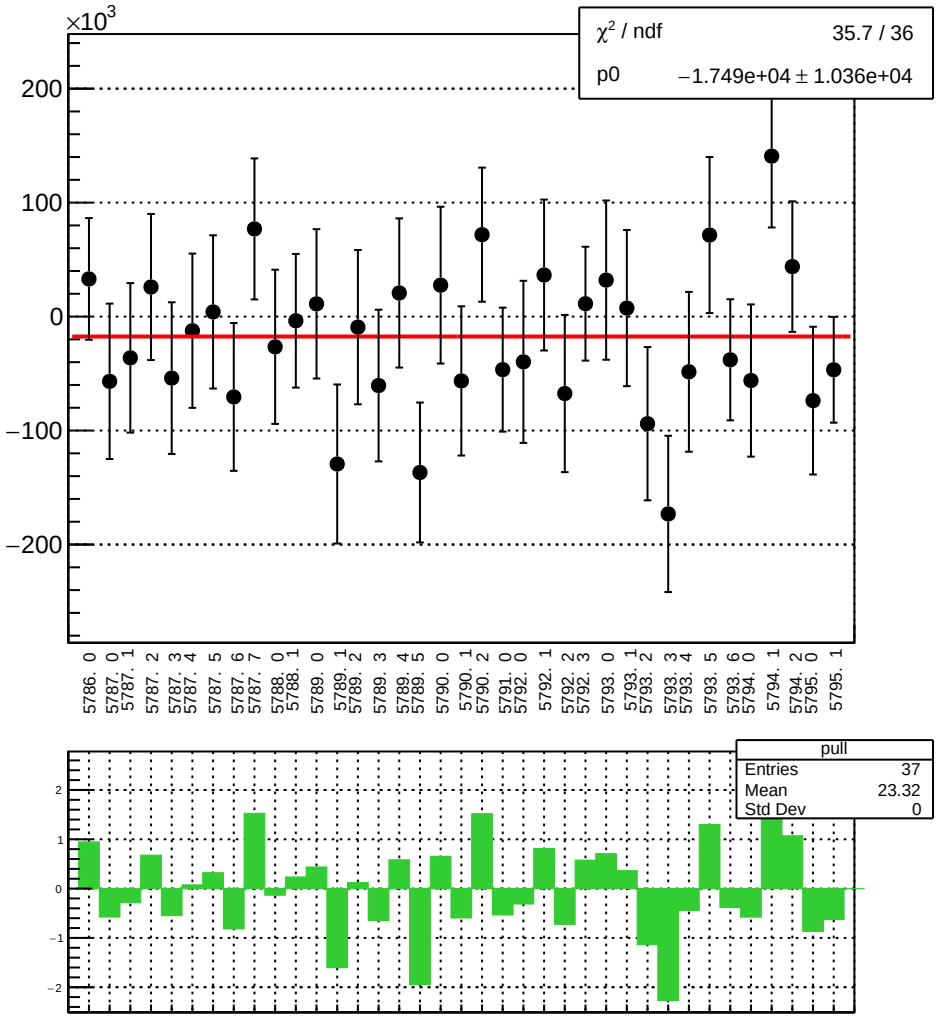

asym_us_avg_atlr_avg_avg_cor_correction_mean vs run
×10^3
χ² / ndf 35.7 / 36
p0 −1.749e+04 ± 1.036e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.32
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01538
Std Dev 0.9822
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

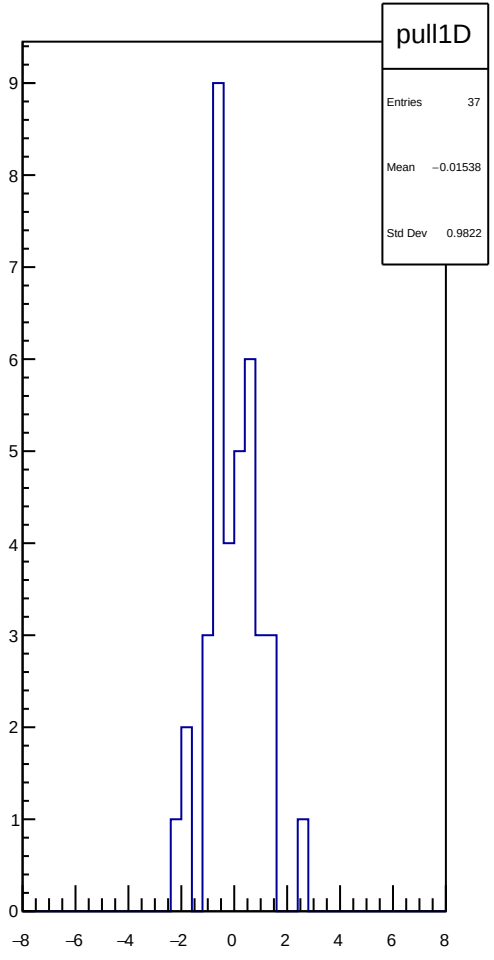

asym_us_avg_atlr_avg_avg_cor_correction_rms vs run
χ² / ndf 1424 / 36
p0 6352 ± 7.327
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

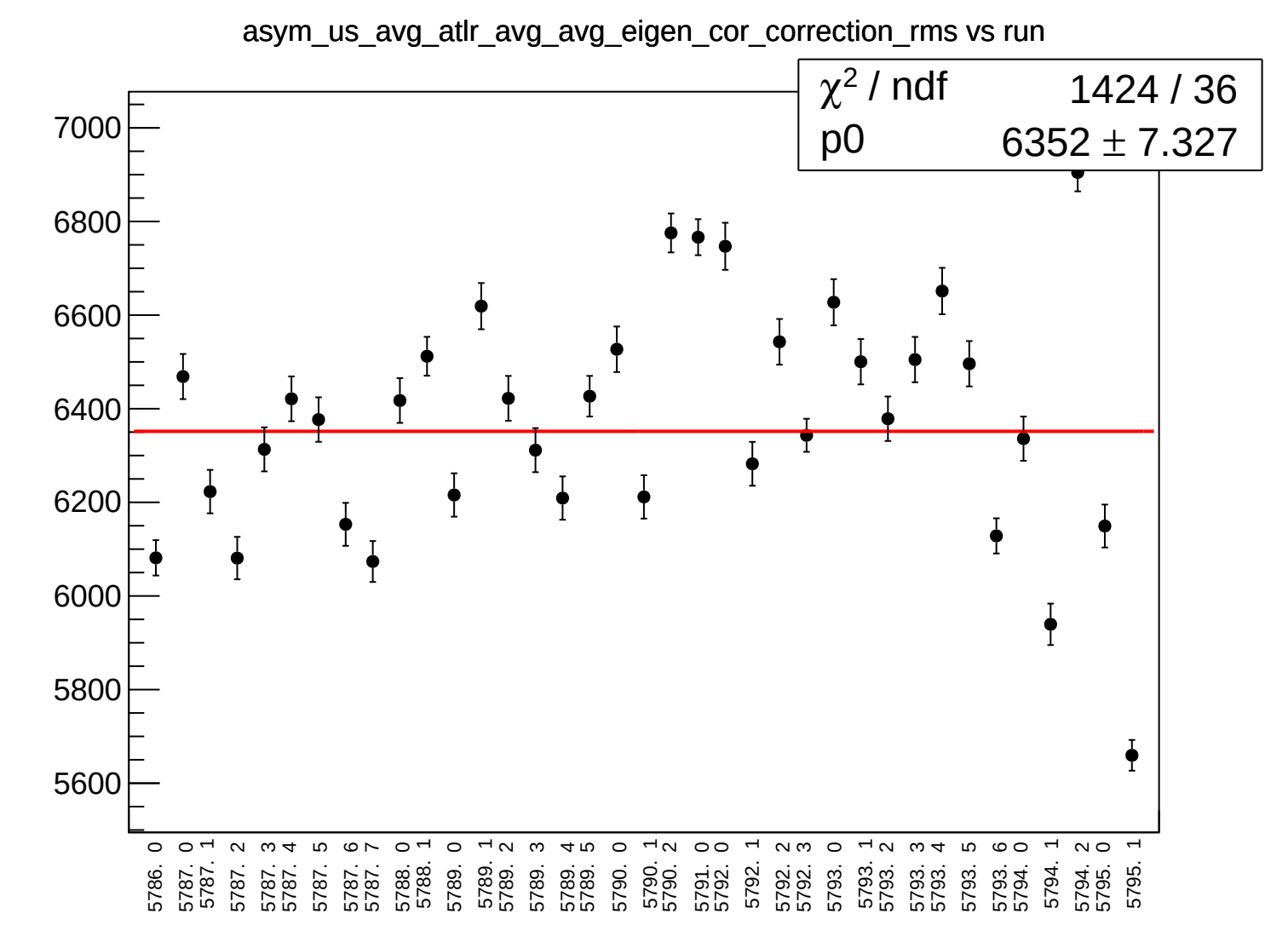

eigen_cor_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 51.17 / 36
p0 9130 ± 3069
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −684.2
Std Dev 0
2
1
0
−1
−2

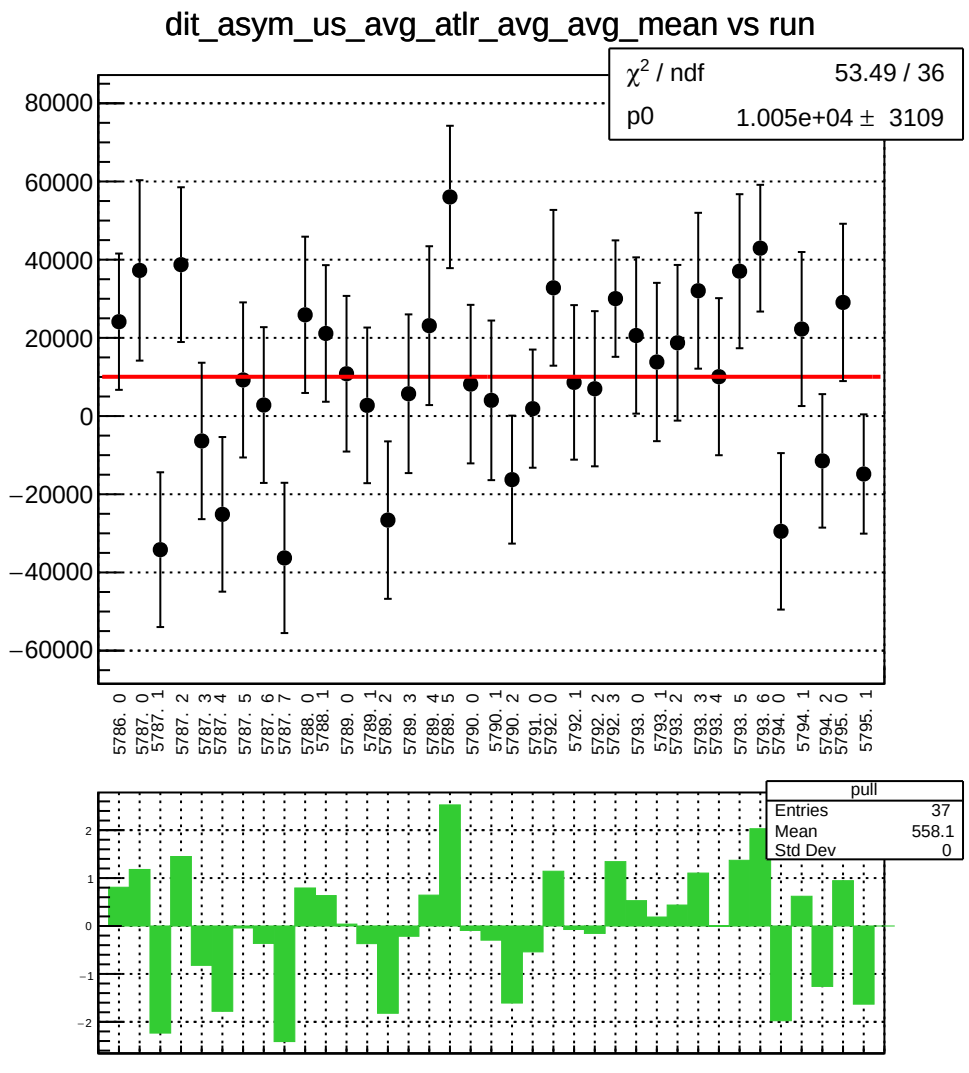

pull1D
Entries 37
Mean −0.003018
Std Dev 1.176
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

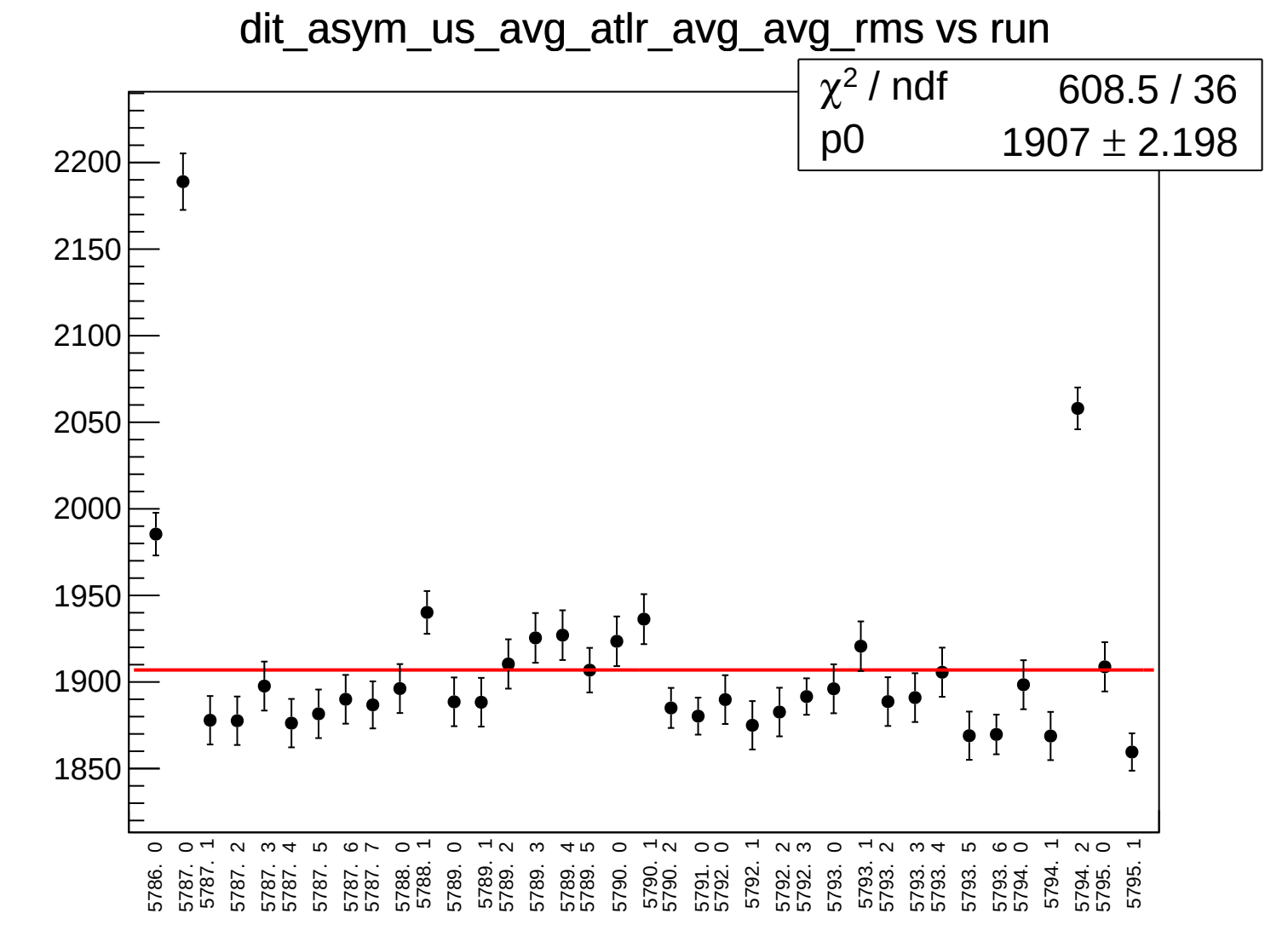

eigen_cor_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 263.3 / 36
p0 1883 ± 2.17
2100
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

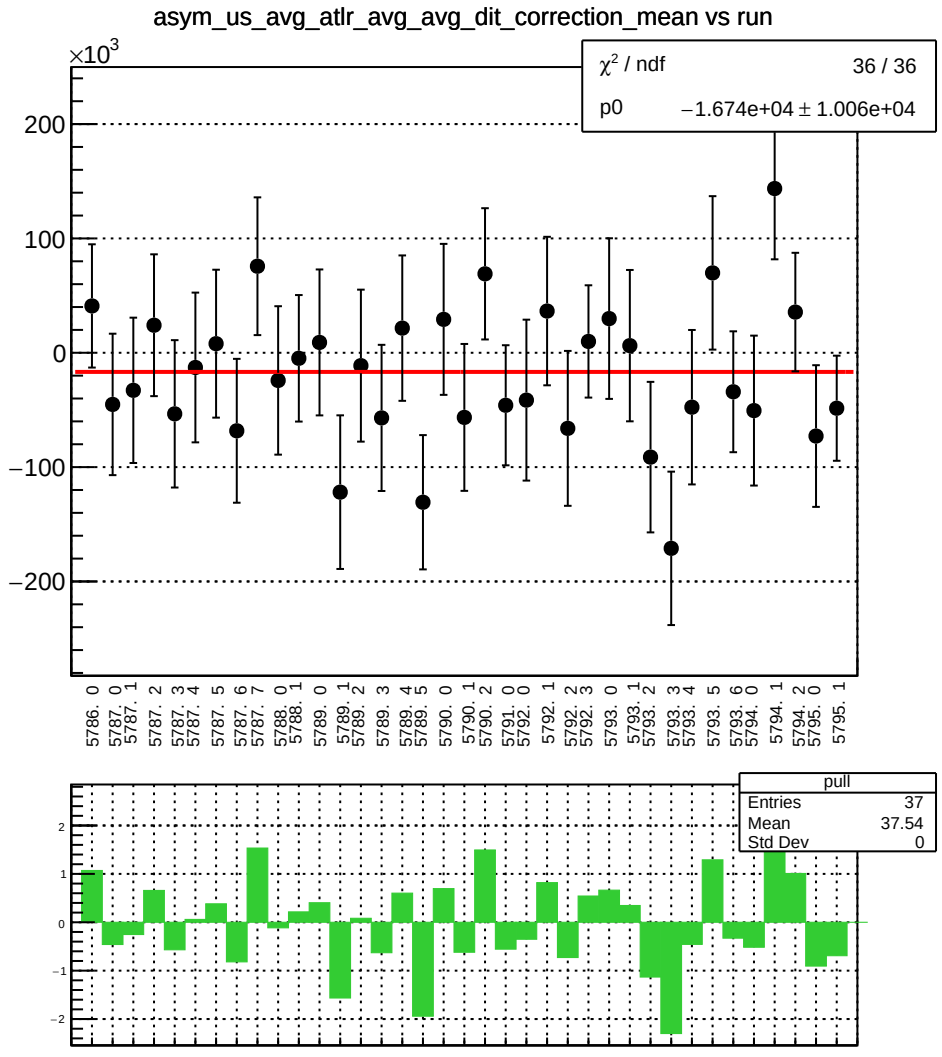

asym_us_avg_atlr_avg_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 35.7 / 36
p0 −1.749e+04 ± 1.036e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.32
Std Dev 0
2
1
0
−1
−2

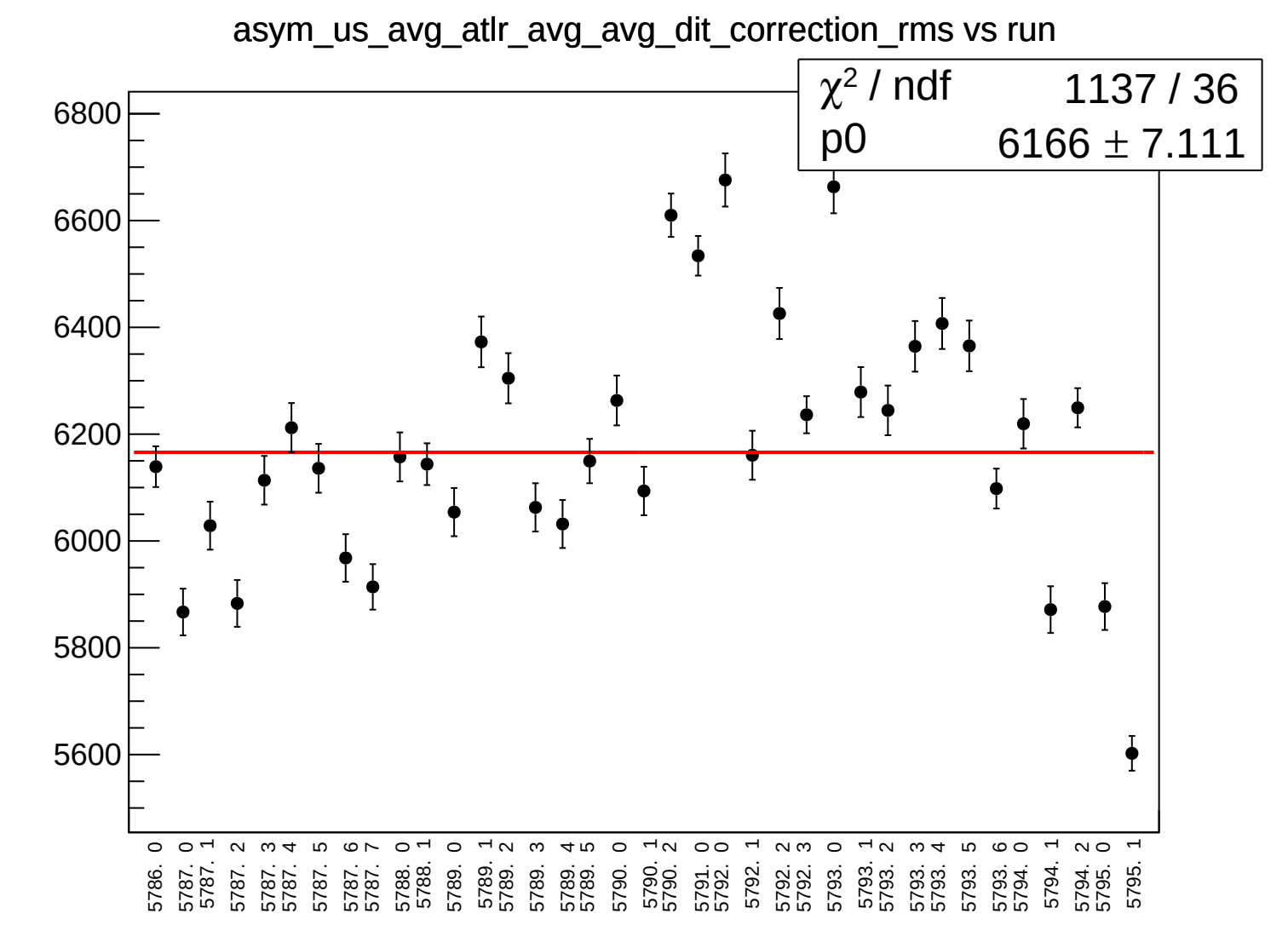

pull1D
Entries 37
Mean −0.01538
Std Dev 0.9822
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

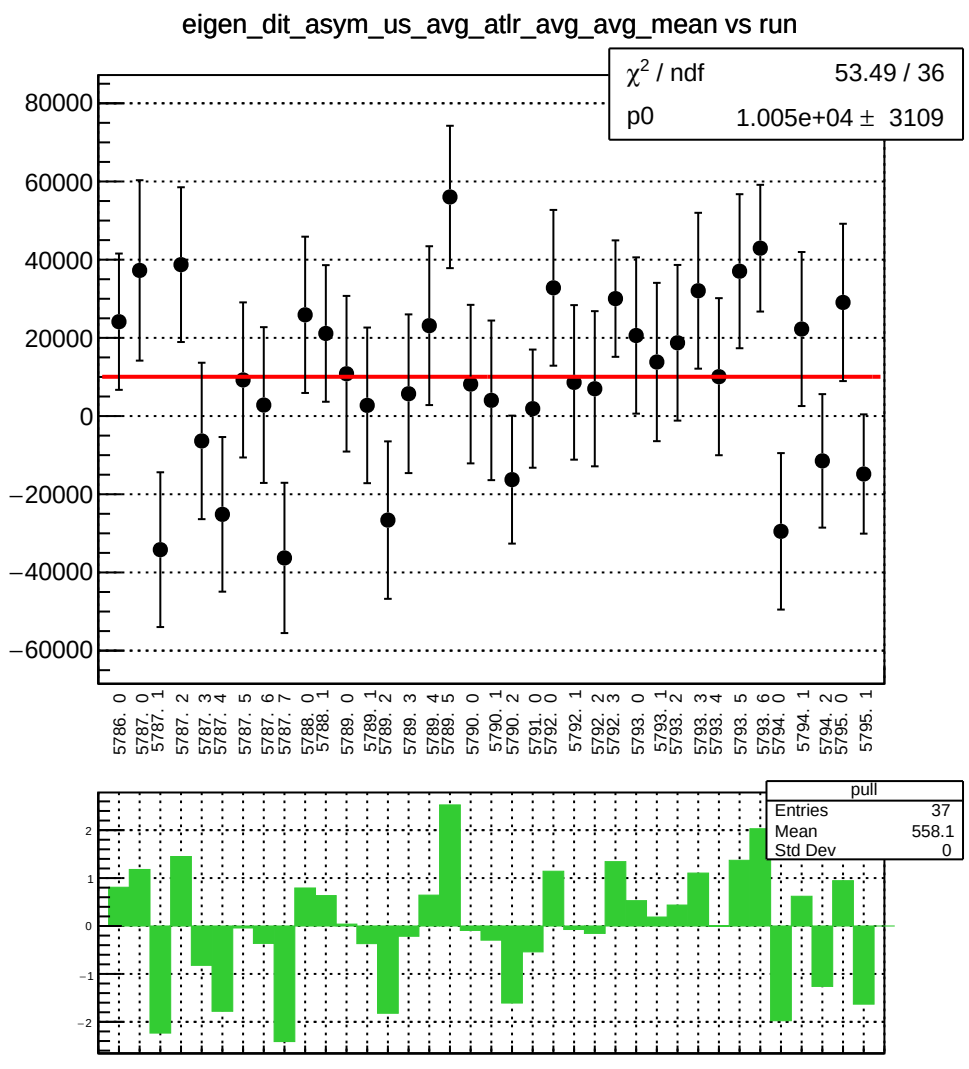

asym_us_avg_atlr_avg_avg_eigen_cor_correction_rms vs run
χ² / ndf 1424 / 36
p0 6352 ± 7.327
7000
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

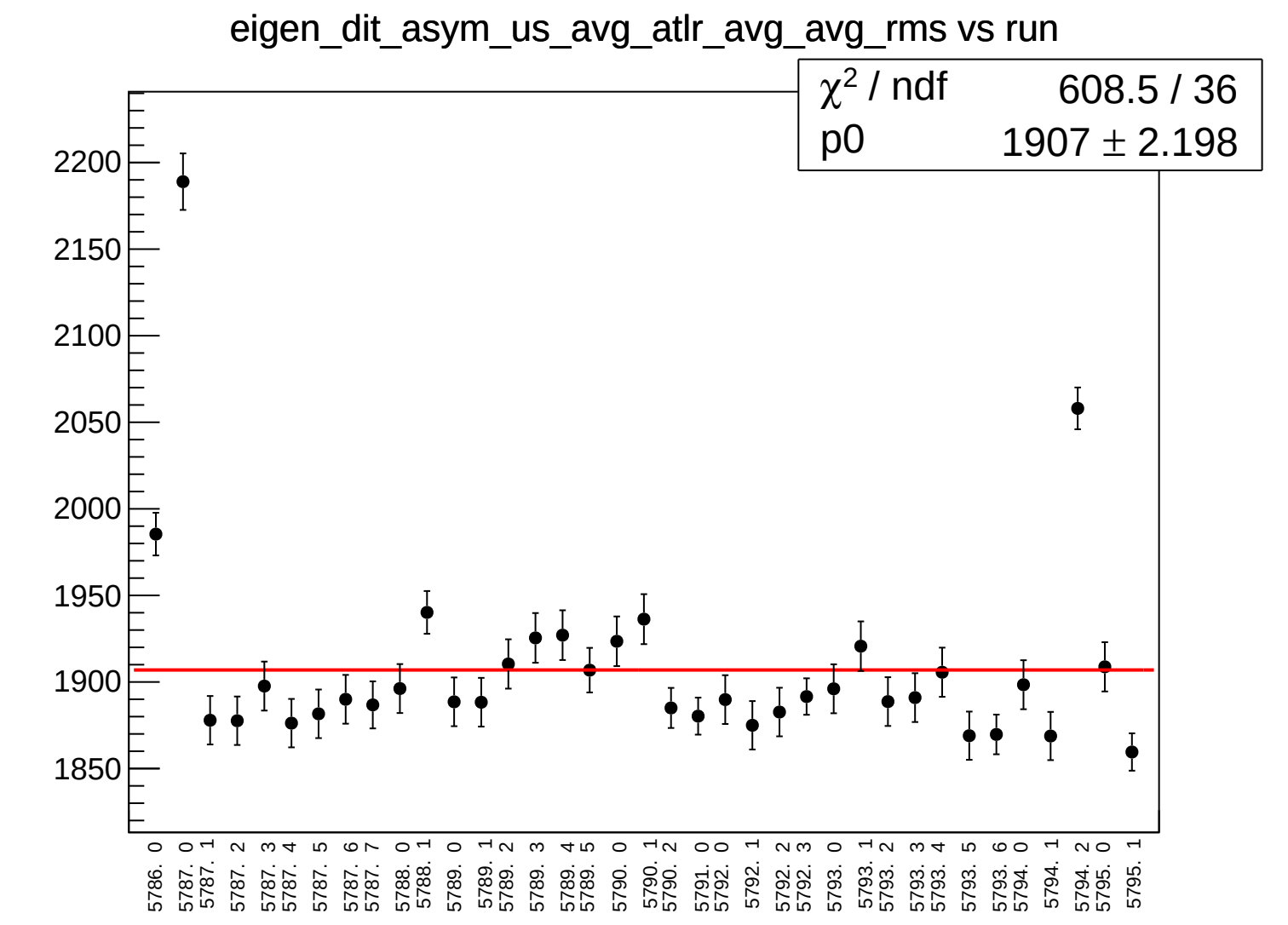

dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 53.49 / 36
p0 1.005e+04 ± 3109
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 558.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.002722
Std Dev 1.202
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

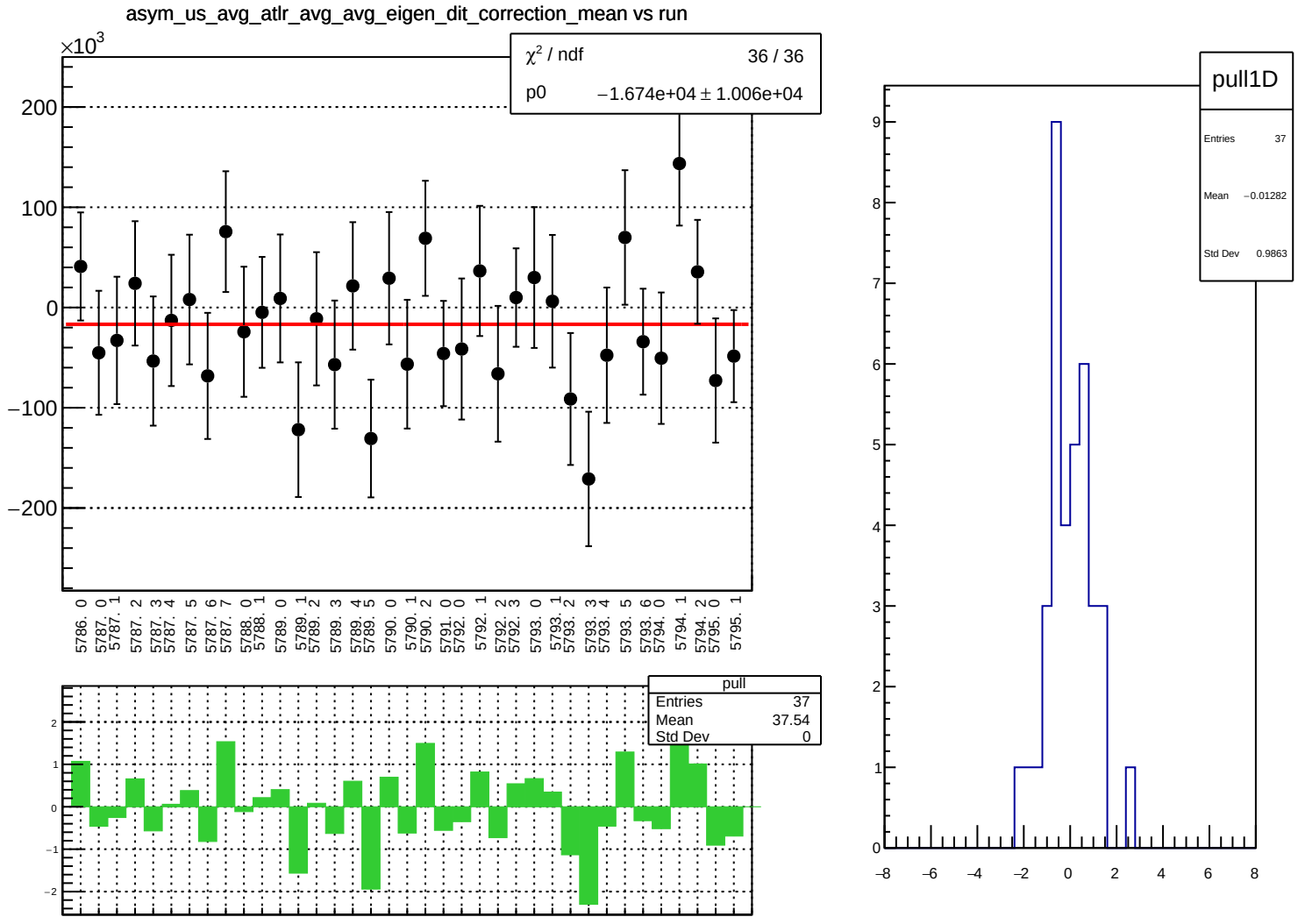

dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 608.5 / 36
p0 1907 ± 2.198
2200
2150
2100
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

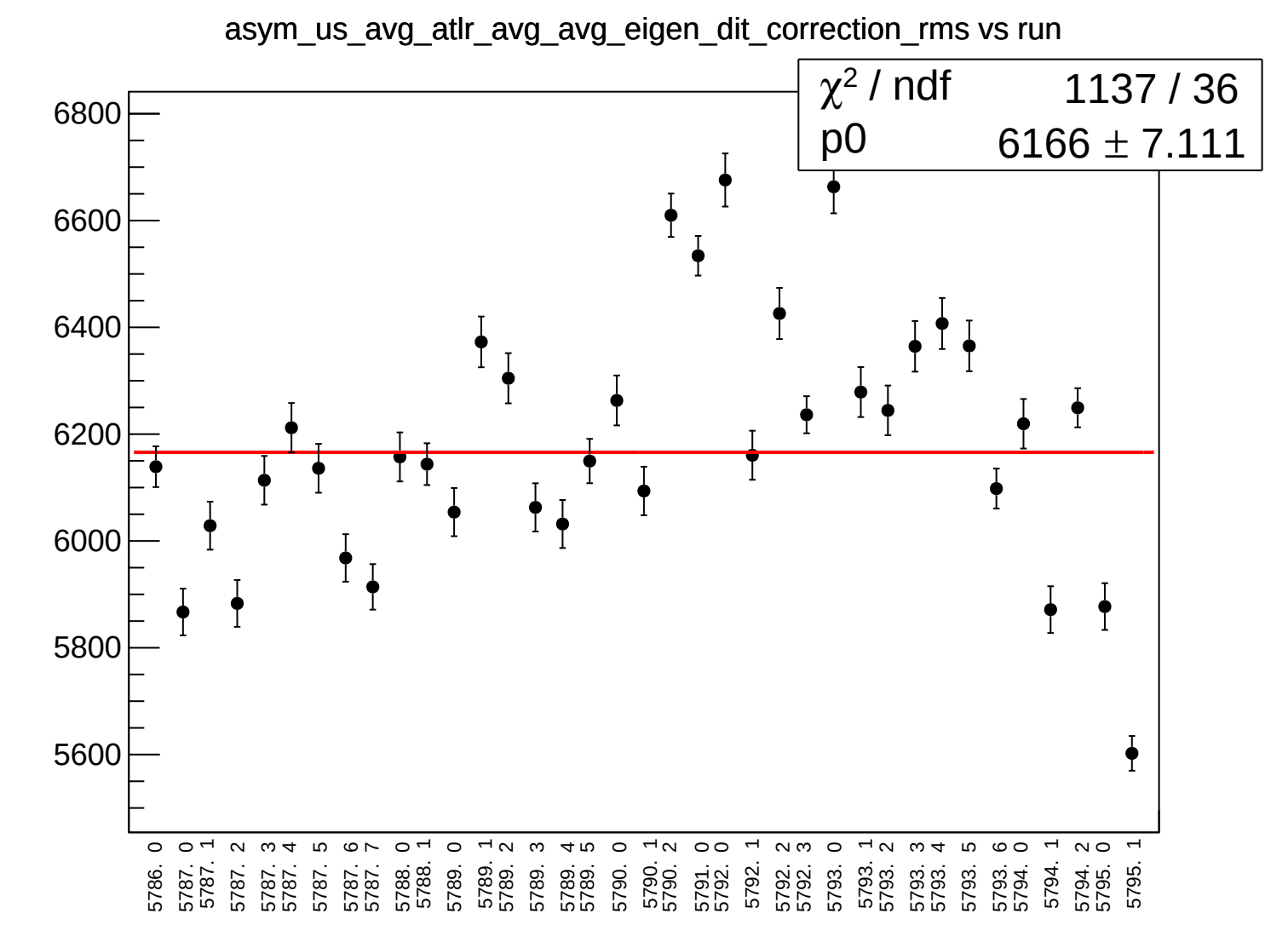

asym_us_avg_atlr_avg_avg_dit_correction_mean vs run
×10^3
χ² / ndf 36 / 36
p0 −1.674e+04 ± 1.006e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 37.54
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01282
Std Dev 0.9863
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

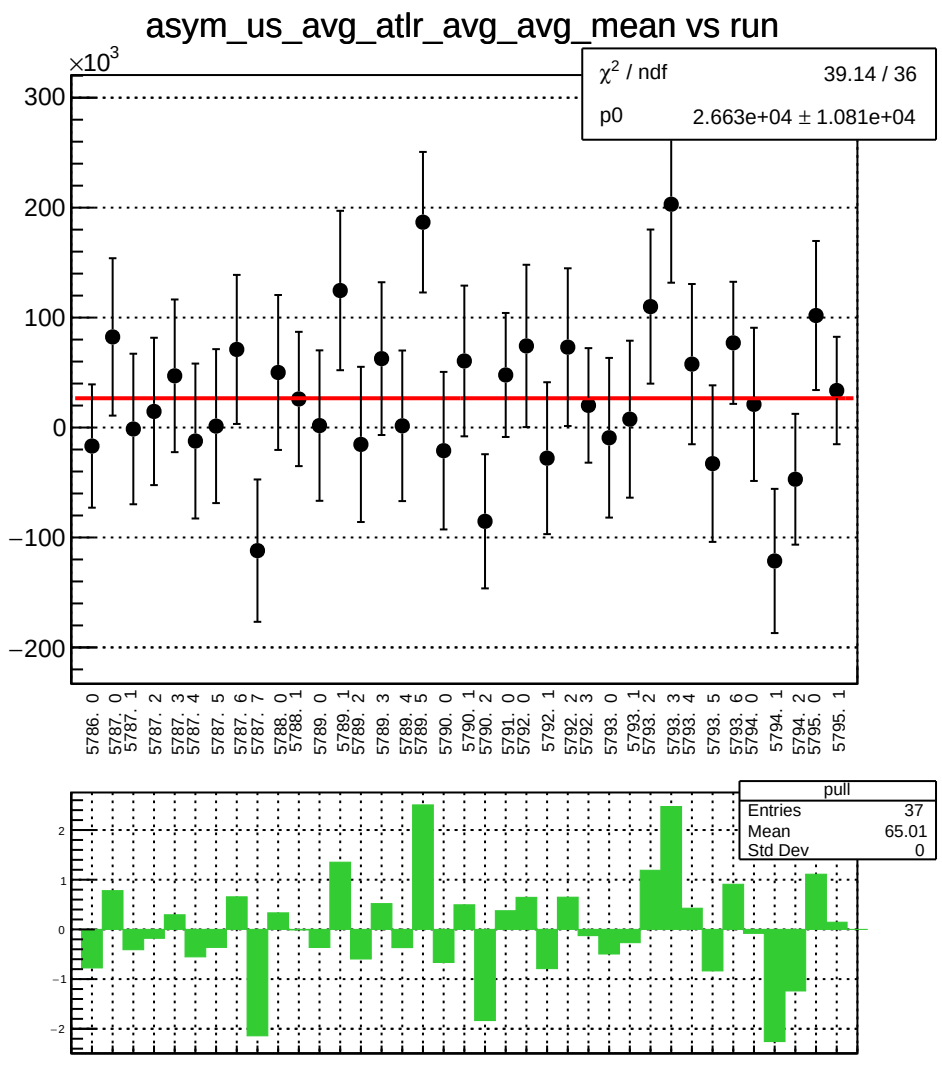

asym_us_avg_atlr_avg_avg_dit_correction_rms vs run
χ² / ndf 1137 / 36
p0 6166 ± 7.111
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

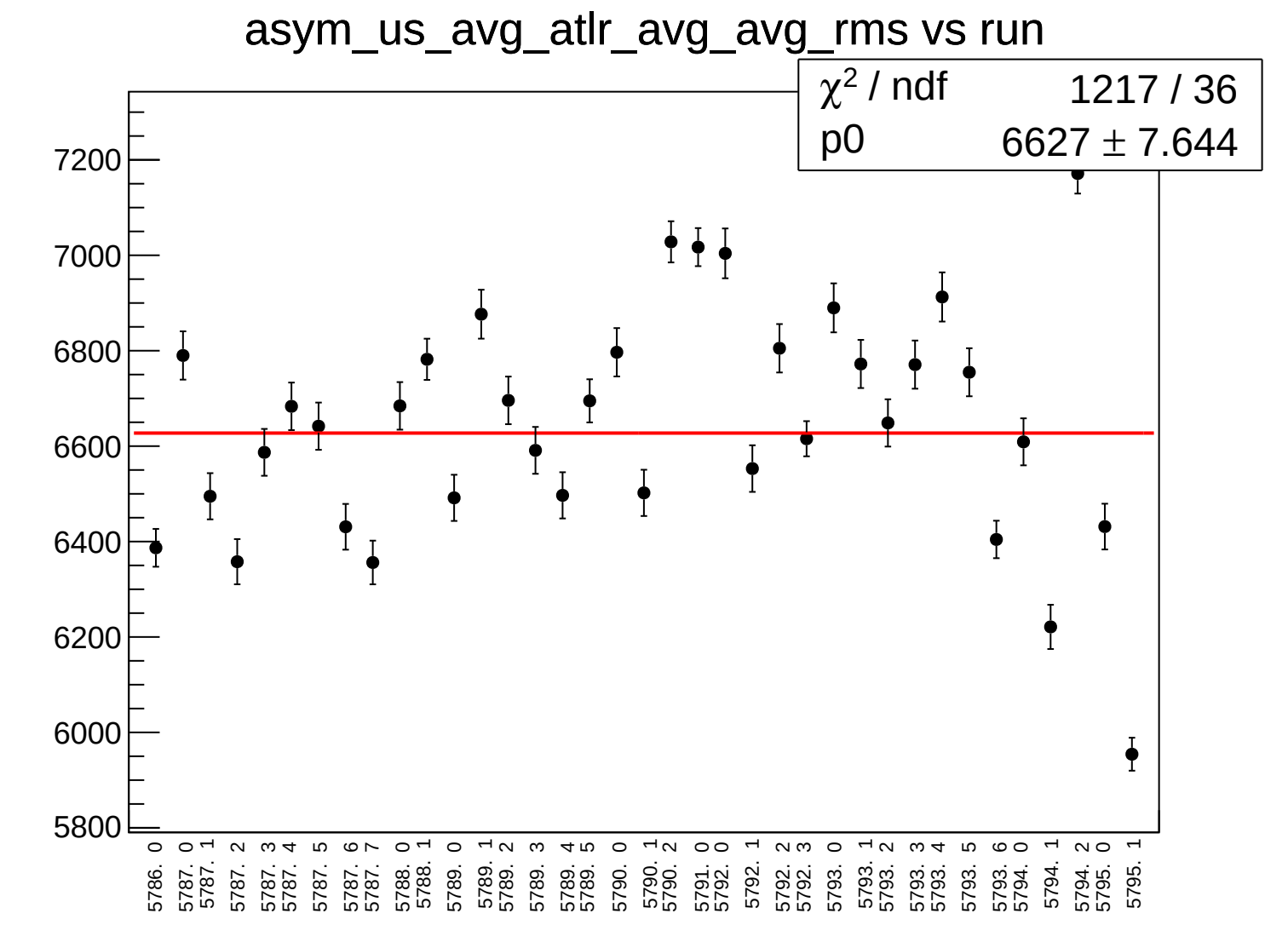

eigen_dit_asym_us_avg_atlr_avg_avg_mean vs run
χ² / ndf 53.49 / 36
p0 1.005e+04 ± 3109
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 558.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.002722
Std Dev 1.202
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

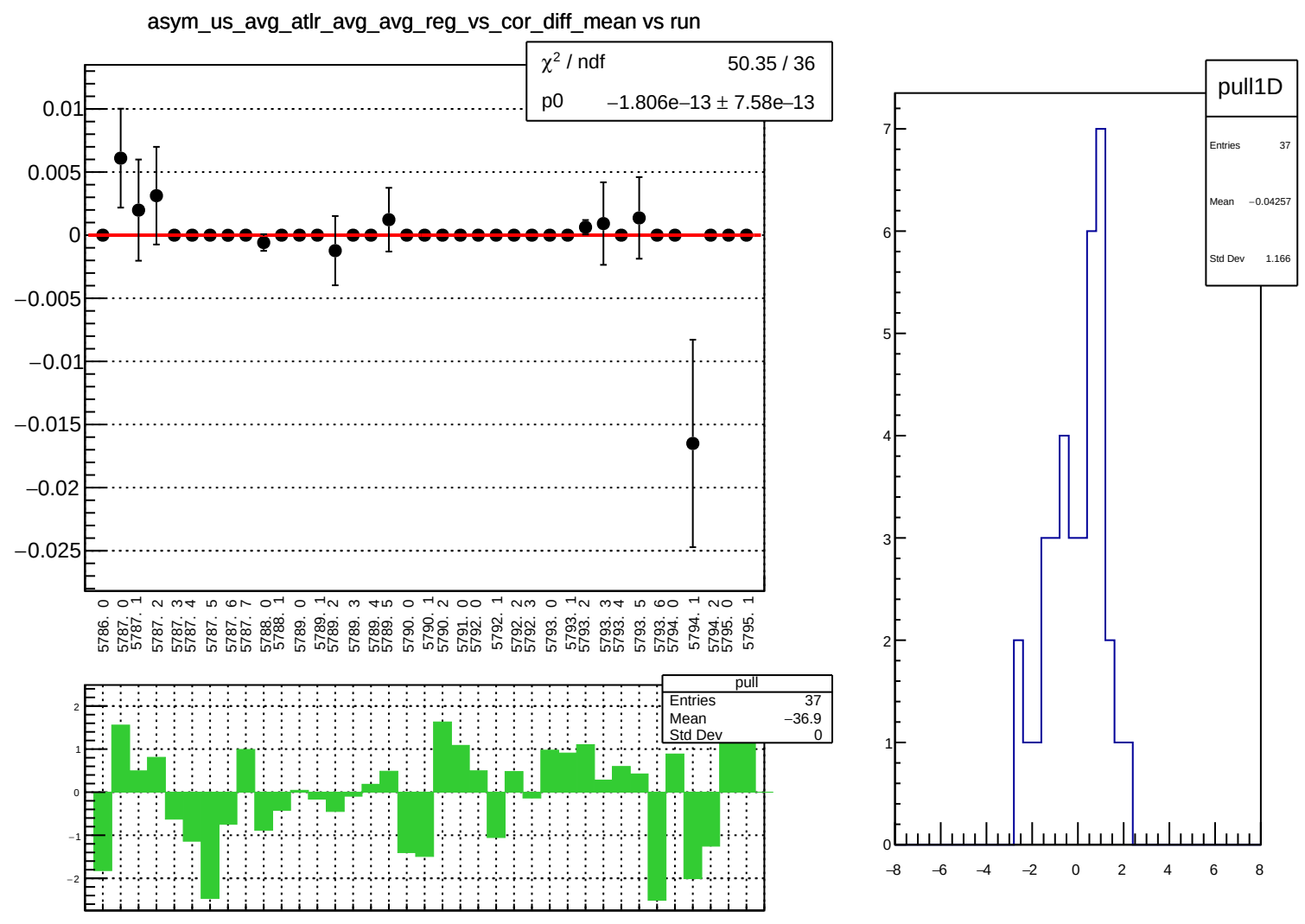

eigen_dit_asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 608.5 / 36
p0 1907 ± 2.198
2200
2150
2100
2050
2000
1950
1900
1850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

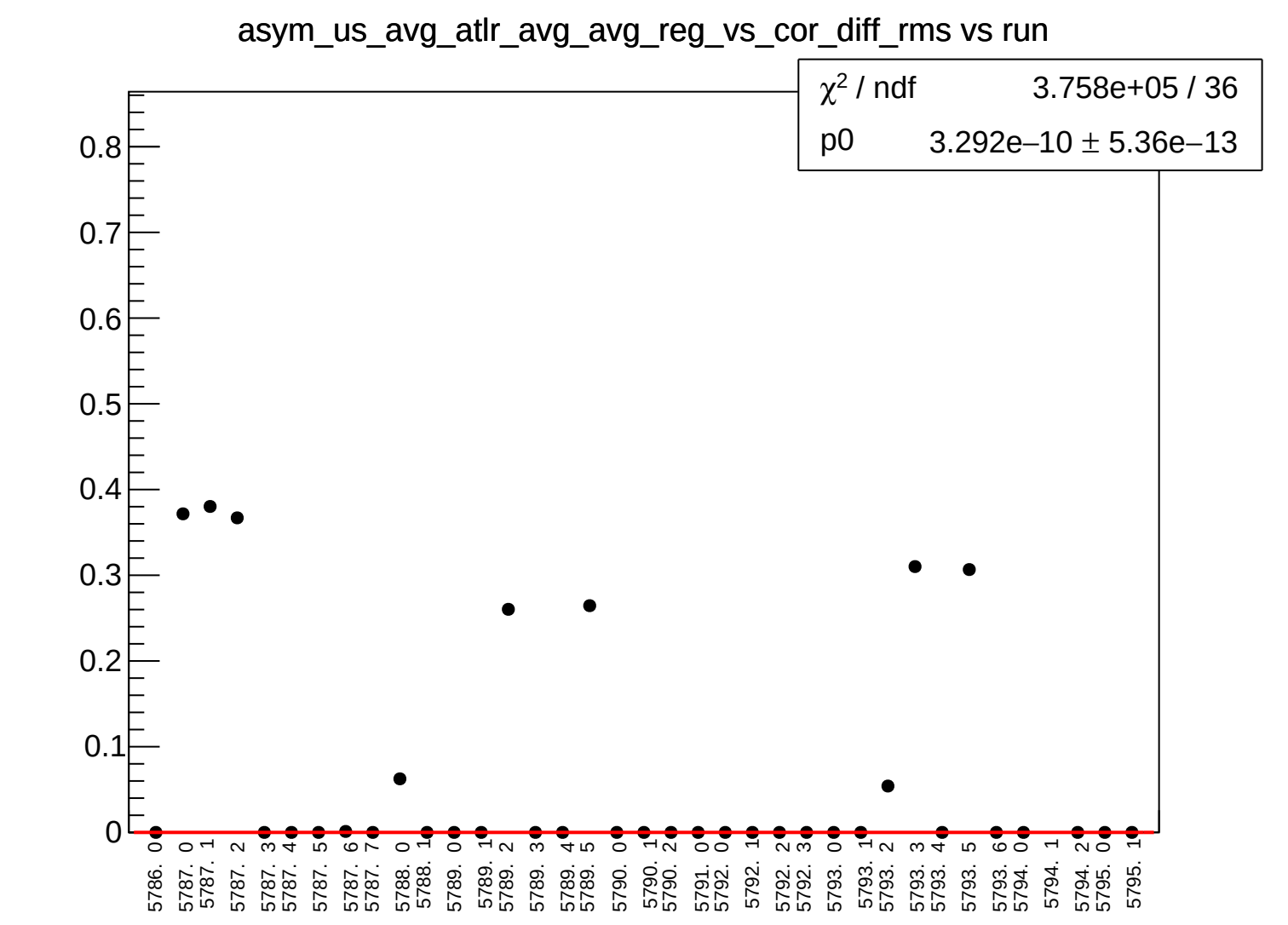

asym_us_avg_atlr_avg_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 36 / 36
p0 −1.674e+04 ± 1.006e+04
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 37.54
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01282
Std Dev 0.9863
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

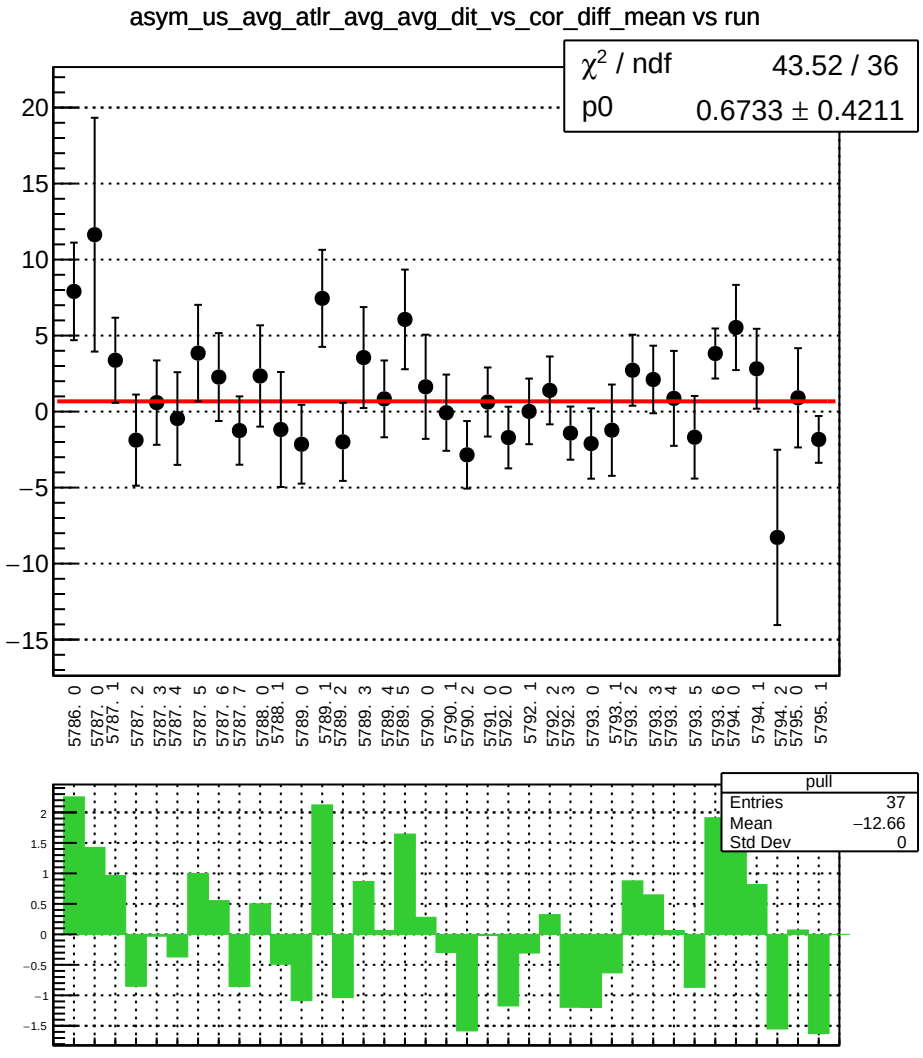

asym_us_avg_atlr_avg_avg_eigen_dit_correction_rms vs run
χ² / ndf 1137 / 36
p0 6166 ± 7.111
6800
6600
6400
6200
6000
5800
5600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

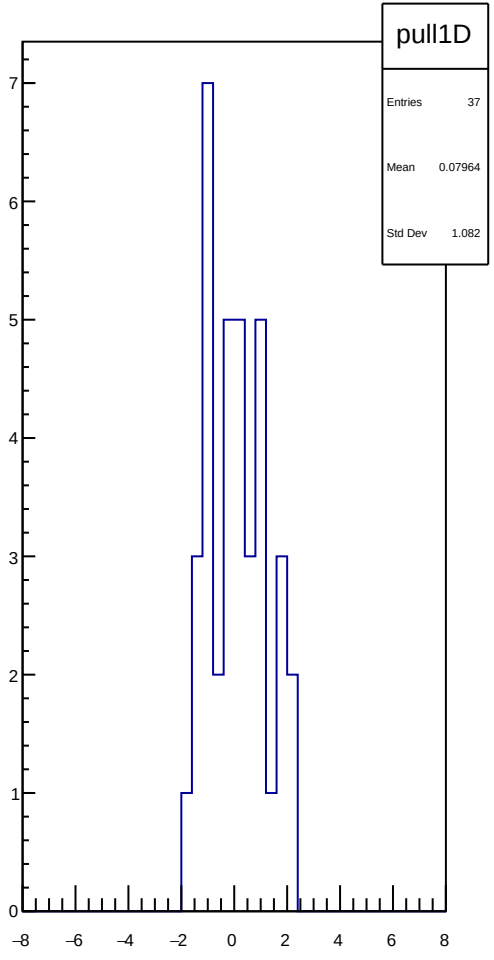

asym_us_avg_atlr_avg_avg_mean vs run
×10^3
χ² / ndf 39.14 / 36
p0 2.663e+04 ± 1.081e+04
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.01
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01387
Std Dev 1.028
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

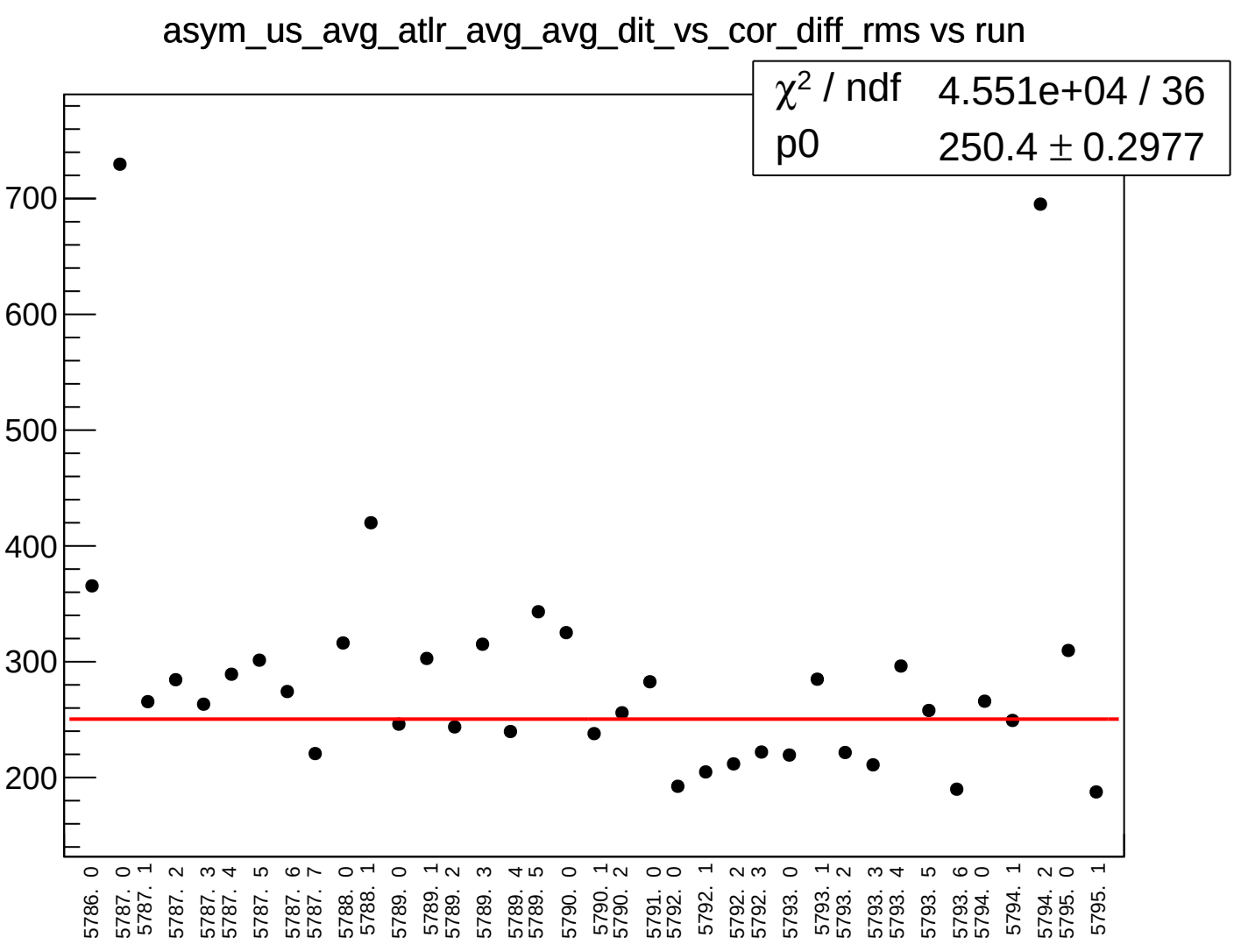

asym_us_avg_atlr_avg_avg_rms vs run
χ² / ndf 1217 / 36
p0 6627 ± 7.644
7200
7000
6800
6600
6400
6200
6000
5800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

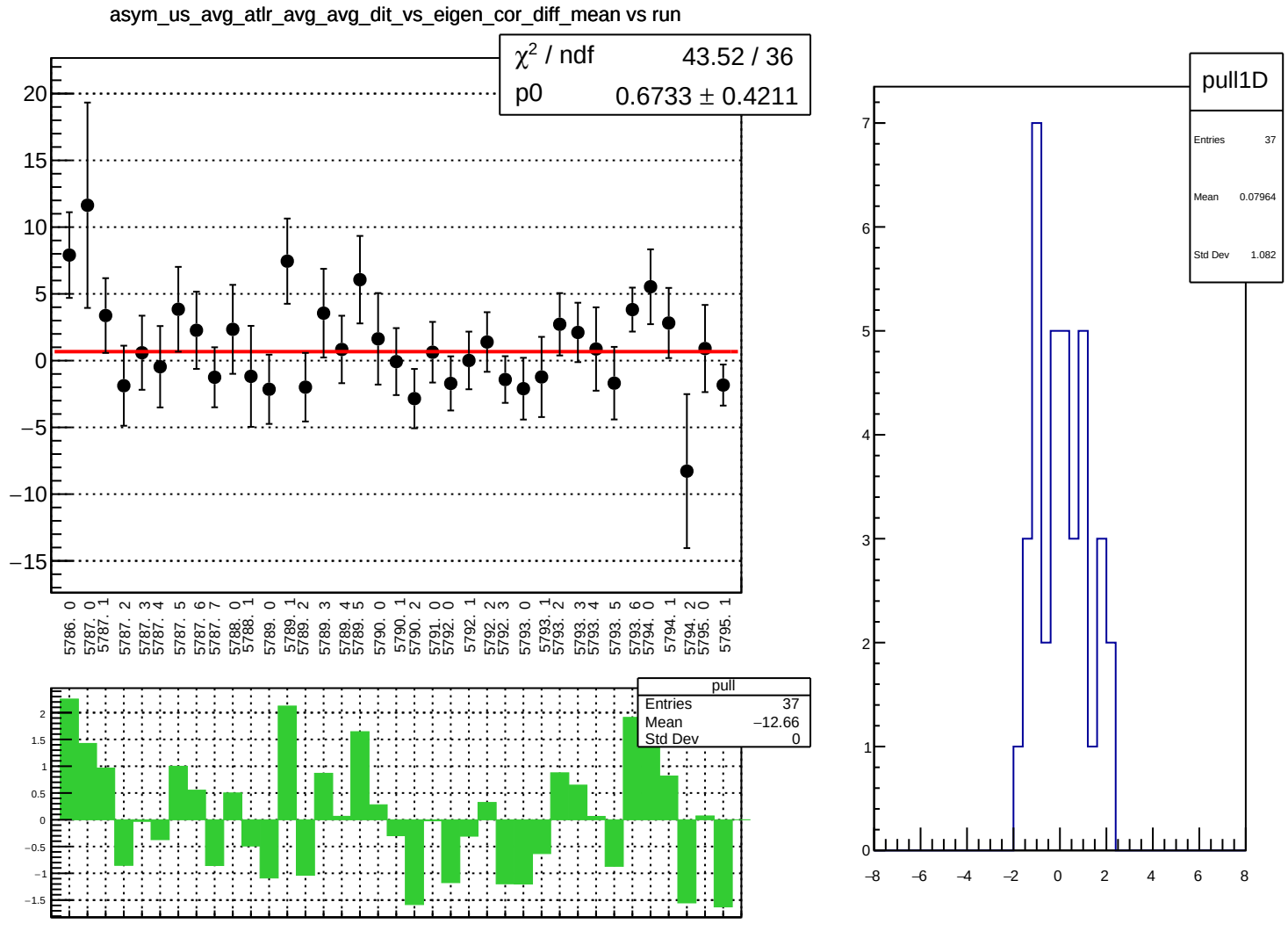

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.35 / 36
p0 −1.806e−13 ± 7.58e−13
0.01
0.005
0
−0.005
−0.01
−0.015
−0.02
−0.025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.9
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.04257
Std Dev 1.166
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

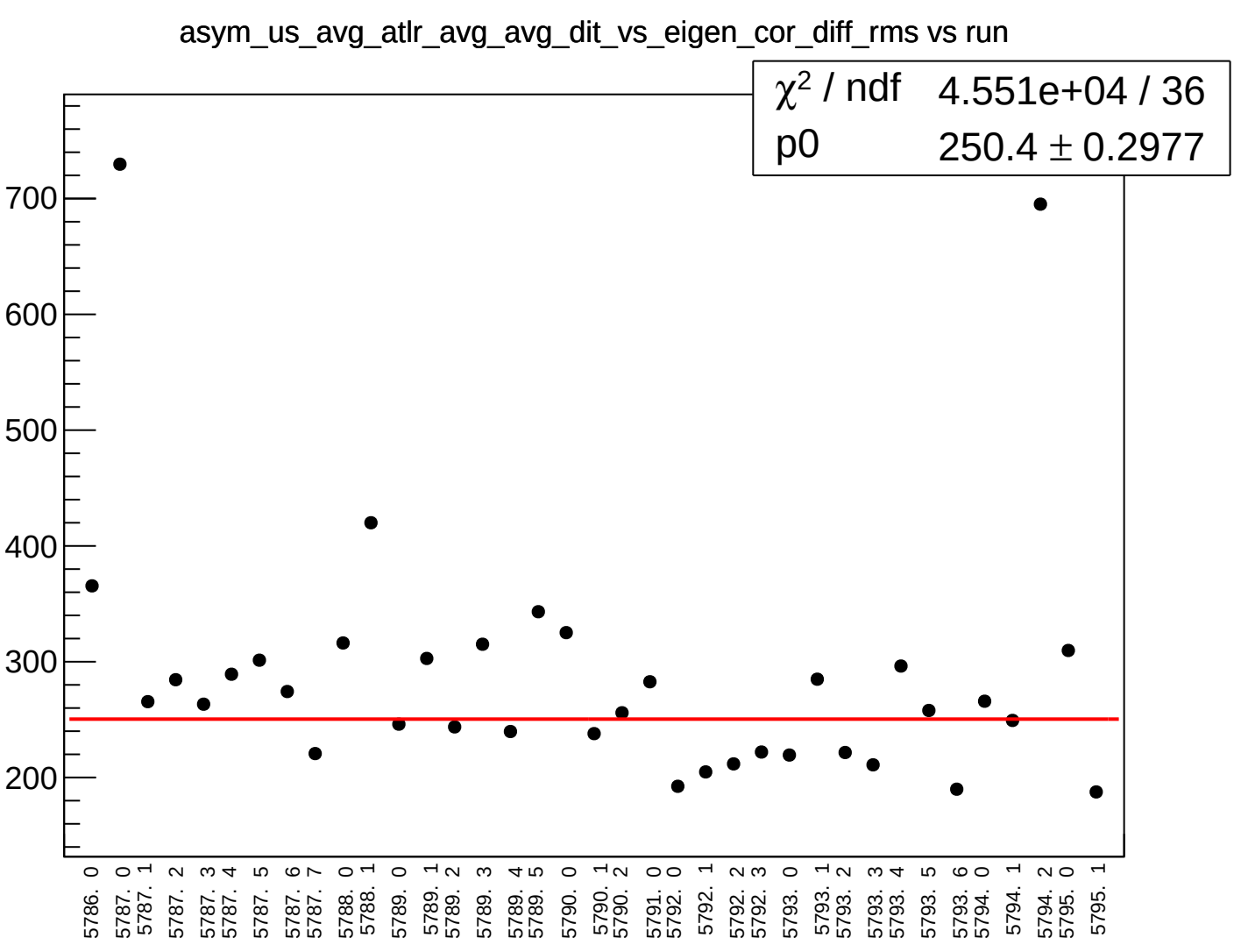

asym_us_avg_atlr_avg_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.758e+05 / 36
p0 3.292e−10 ± 5.36e−13
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

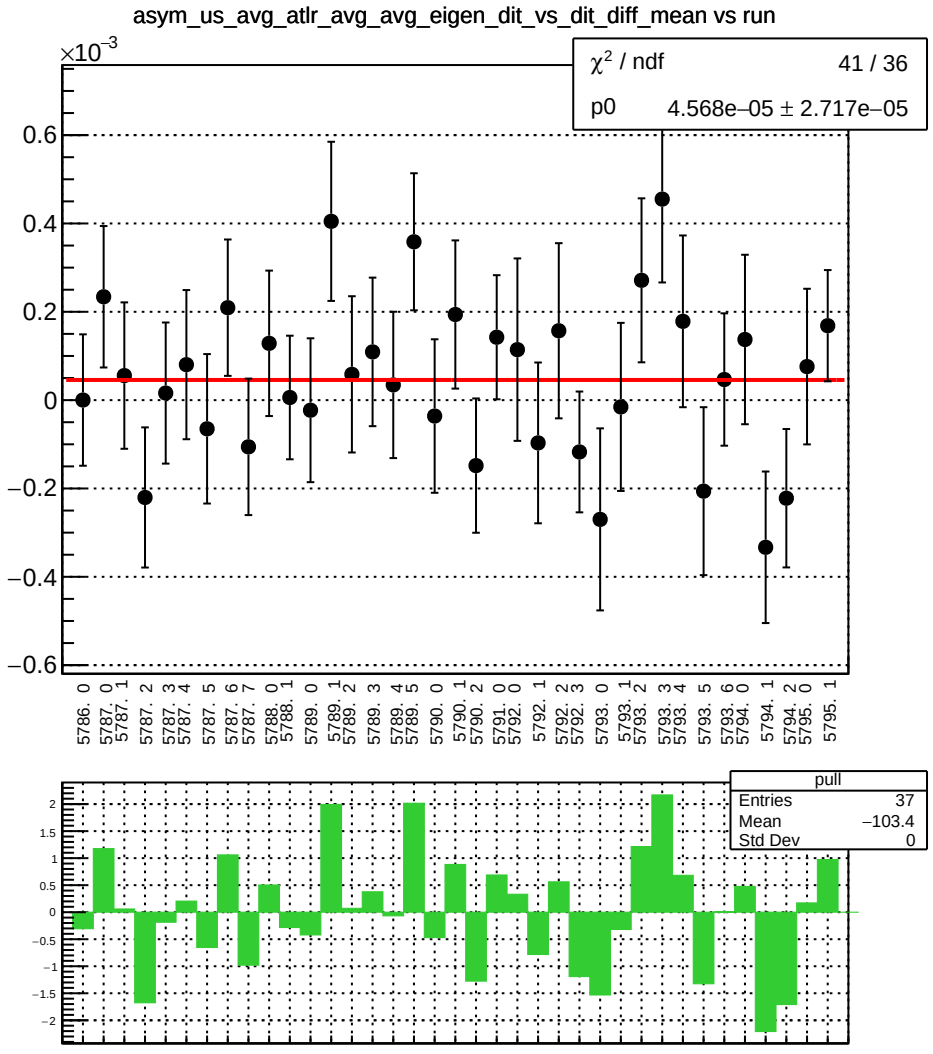

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 43.52 / 36
p0 0.6733 ± 0.4211
pull
Entries 37
Mean −12.66
Std Dev 0

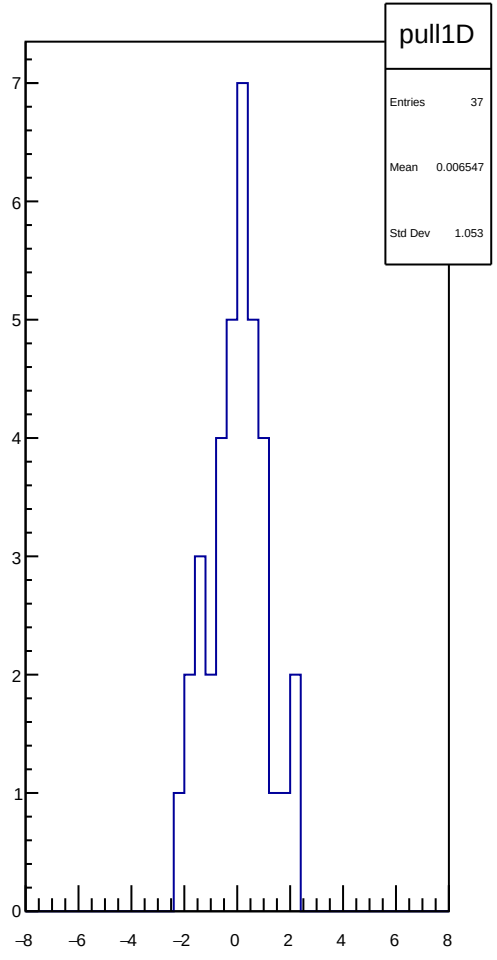

pull1D
Entries 37
Mean 0.07964
Std Dev 1.082

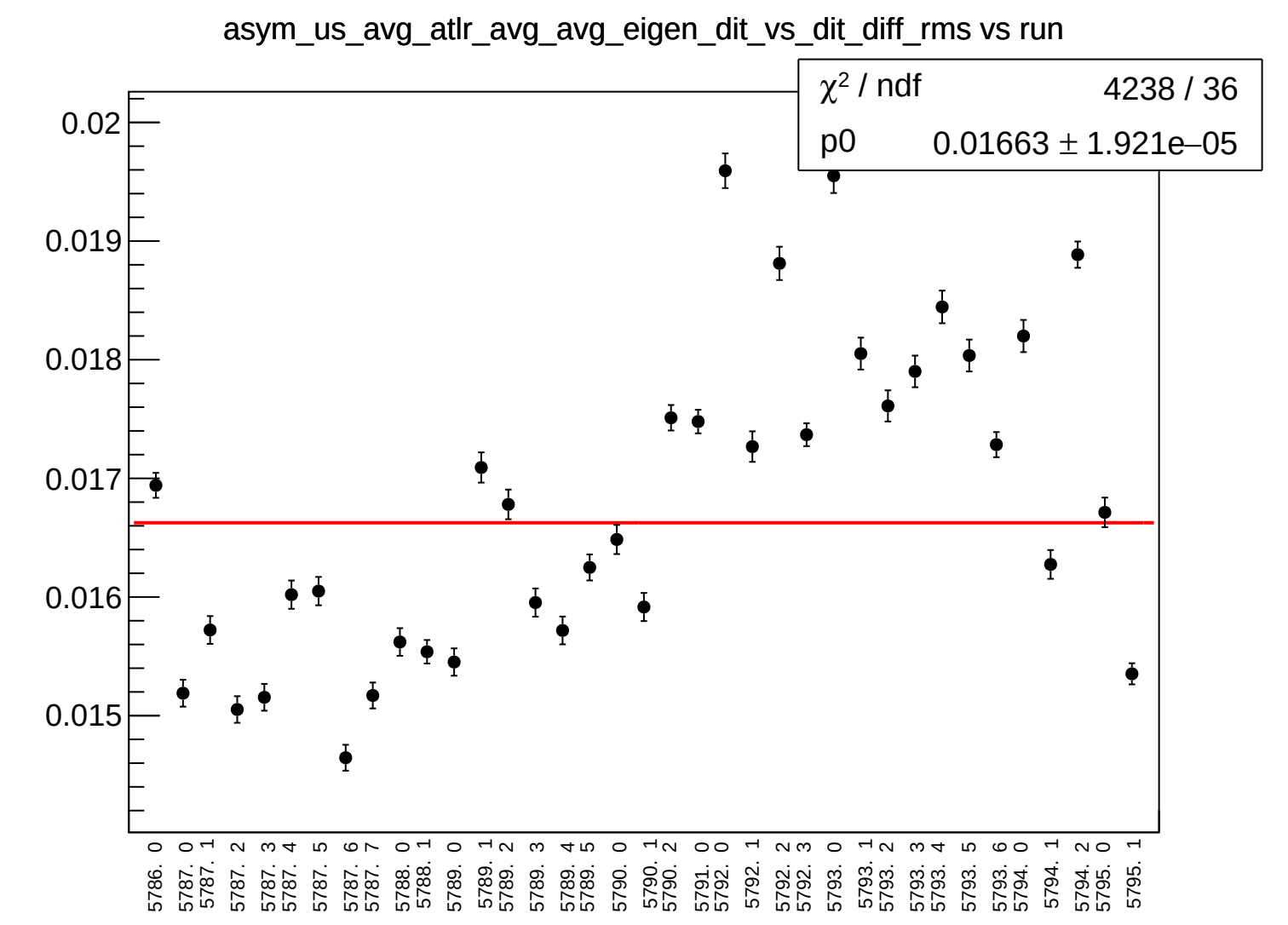

asym_us_avg_atlr_avg_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.551e+04 / 36
p0 250.4 ± 0.2977
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

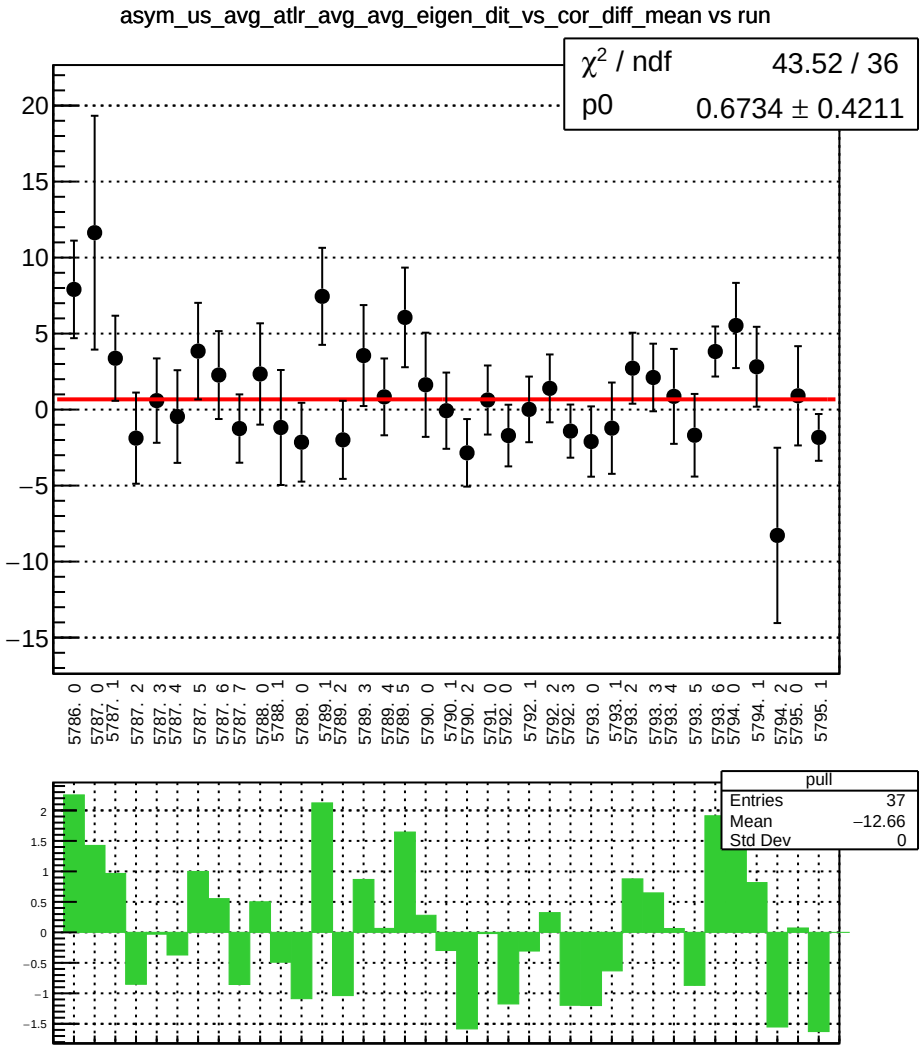

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.52 / 36
p0 0.6733 ± 0.4211
pull
Entries 37
Mean −12.66
Std Dev 0
pull1D
Entries 37
Mean 0.07964
Std Dev 1.082

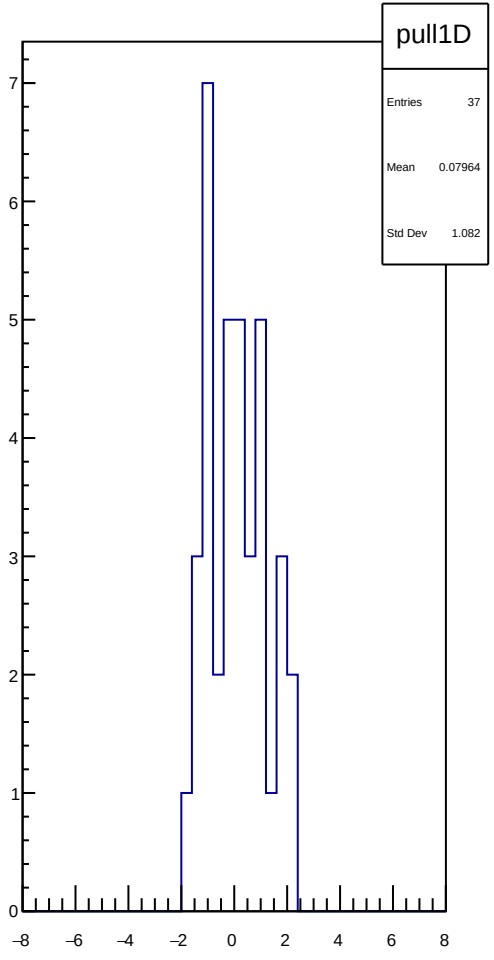

asym_us_avg_atlr_avg_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.551e+04 / 36
p0 250.4 ± 0.2977
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

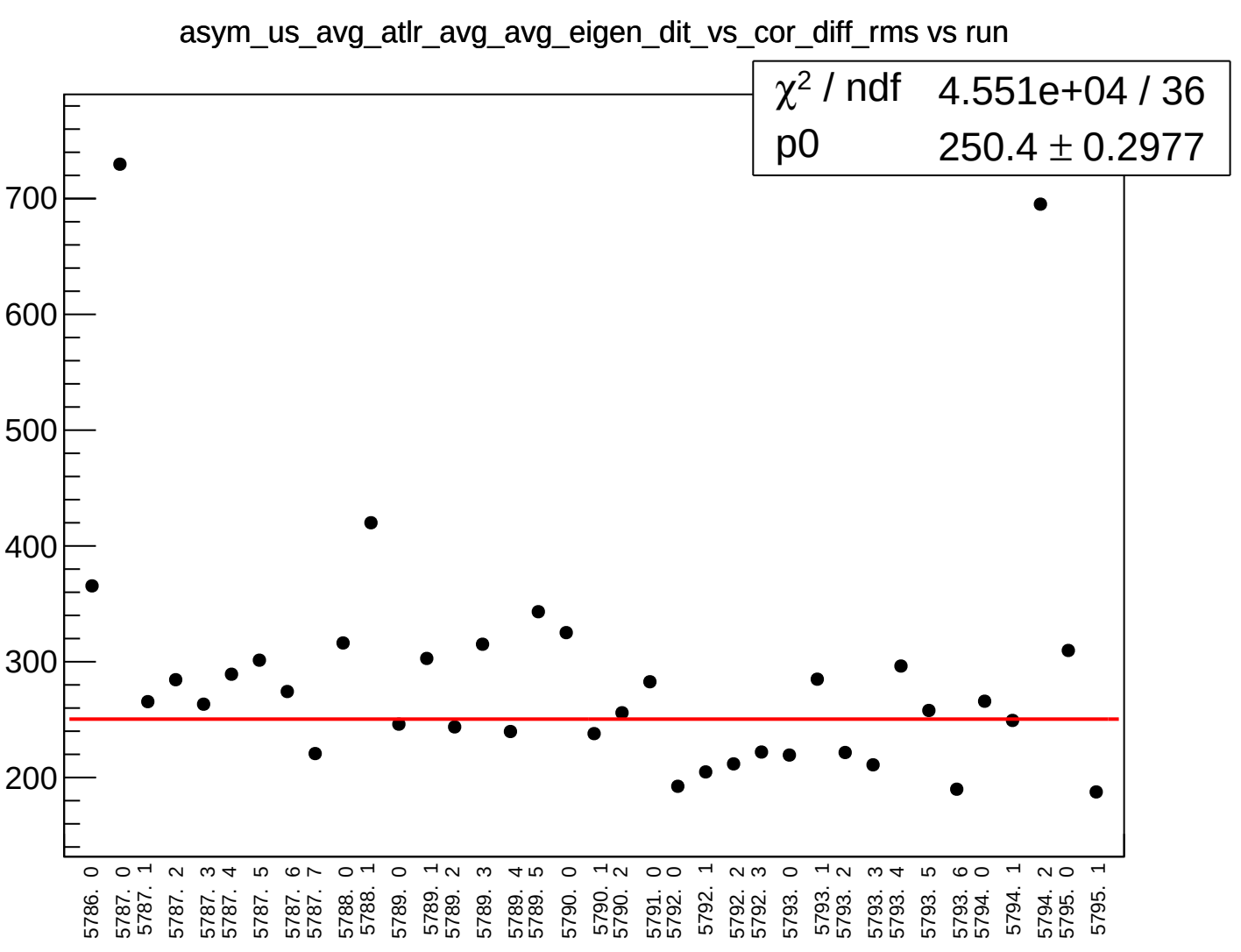

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 41 / 36
p0 4.568e−05 ± 2.717e−05
pull
Entries 37
Mean −103.4
Std Dev 0

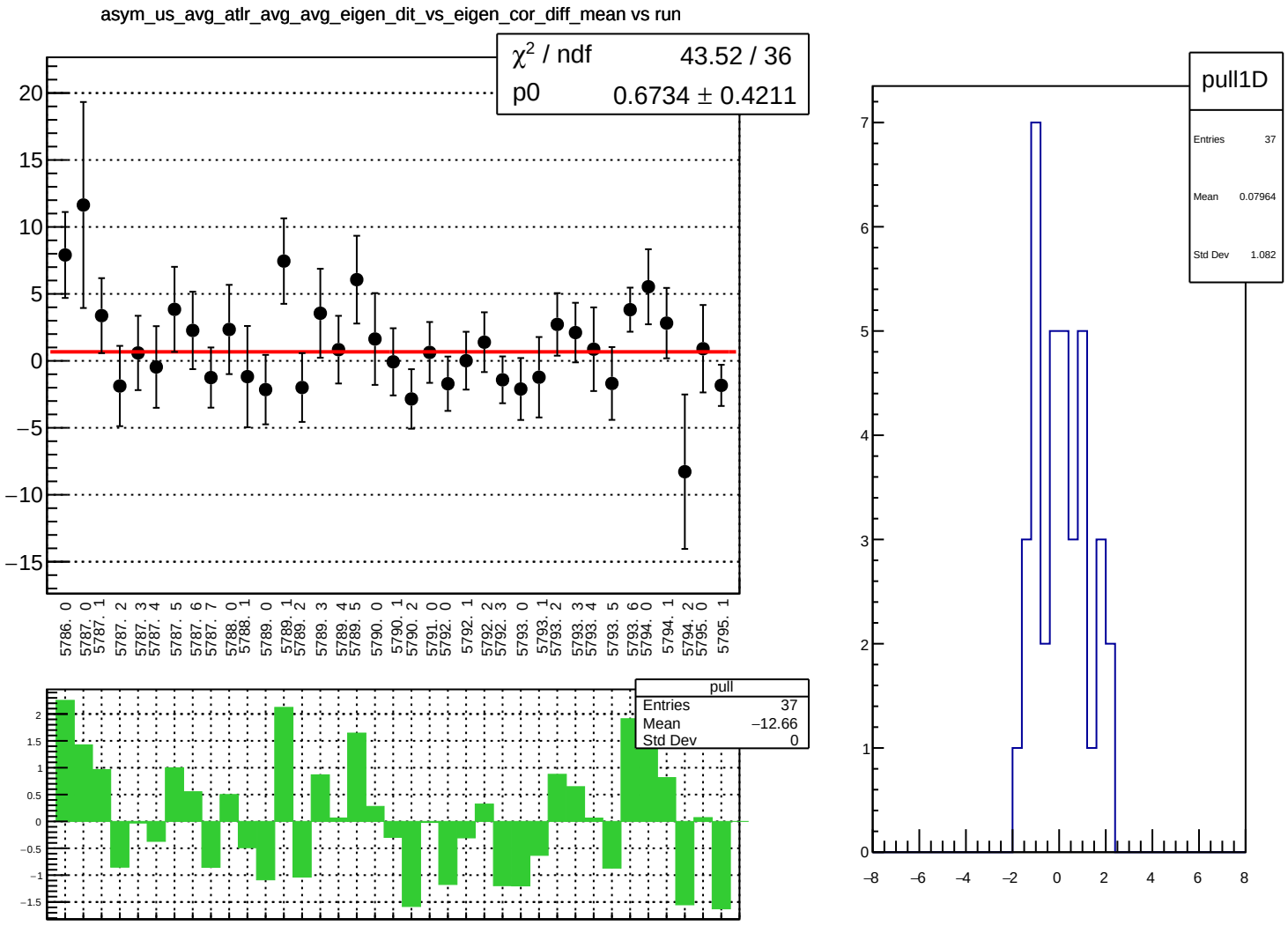

pull1D
Entries 37
Mean 0.006547
Std Dev 1.053

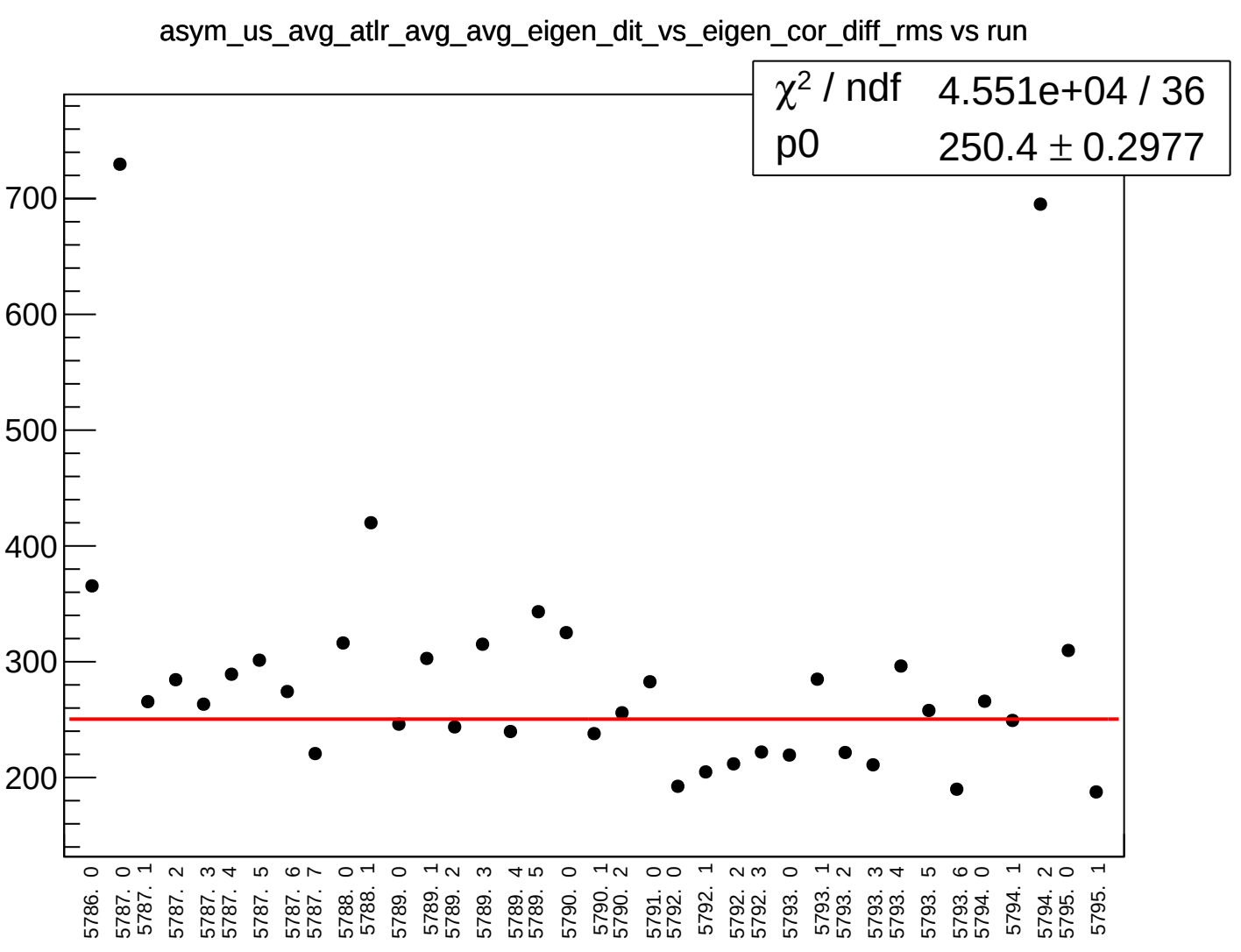

asym_us_avg_atlr_avg_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4238 / 36
p0 0.01663 ± 1.921e−05
0.02
0.019
0.018
0.017
0.016
0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

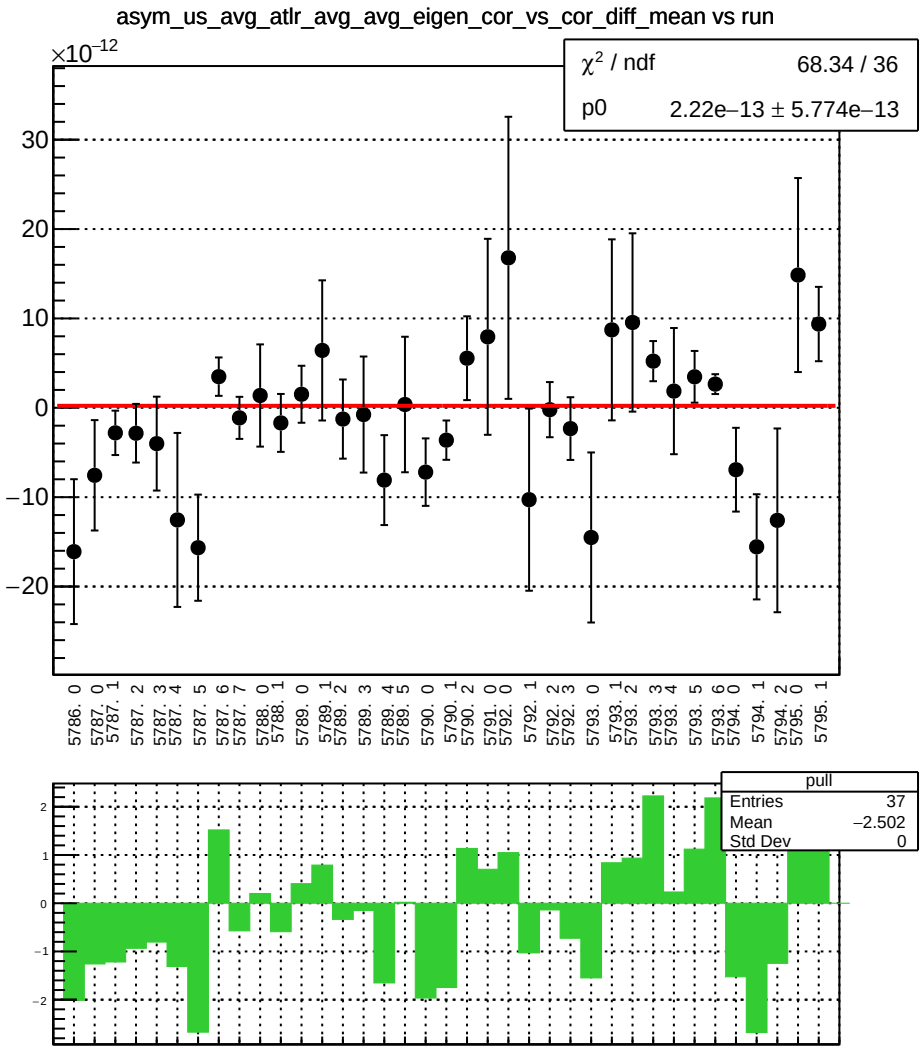

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.52 / 36
p0 0.6734 ± 0.4211
pull
Entries 37
Mean −12.66
Std Dev 0

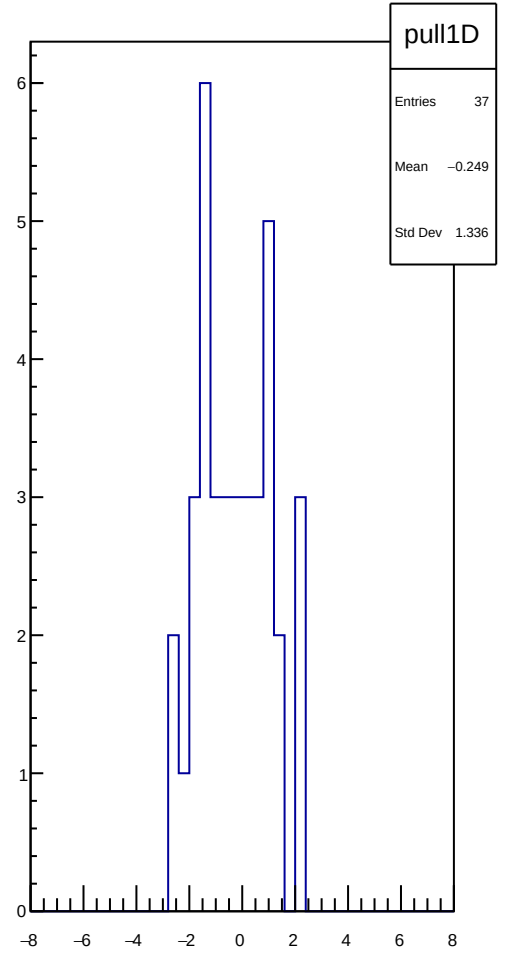

pull1D
Entries 37
Mean 0.07964
Std Dev 1.082

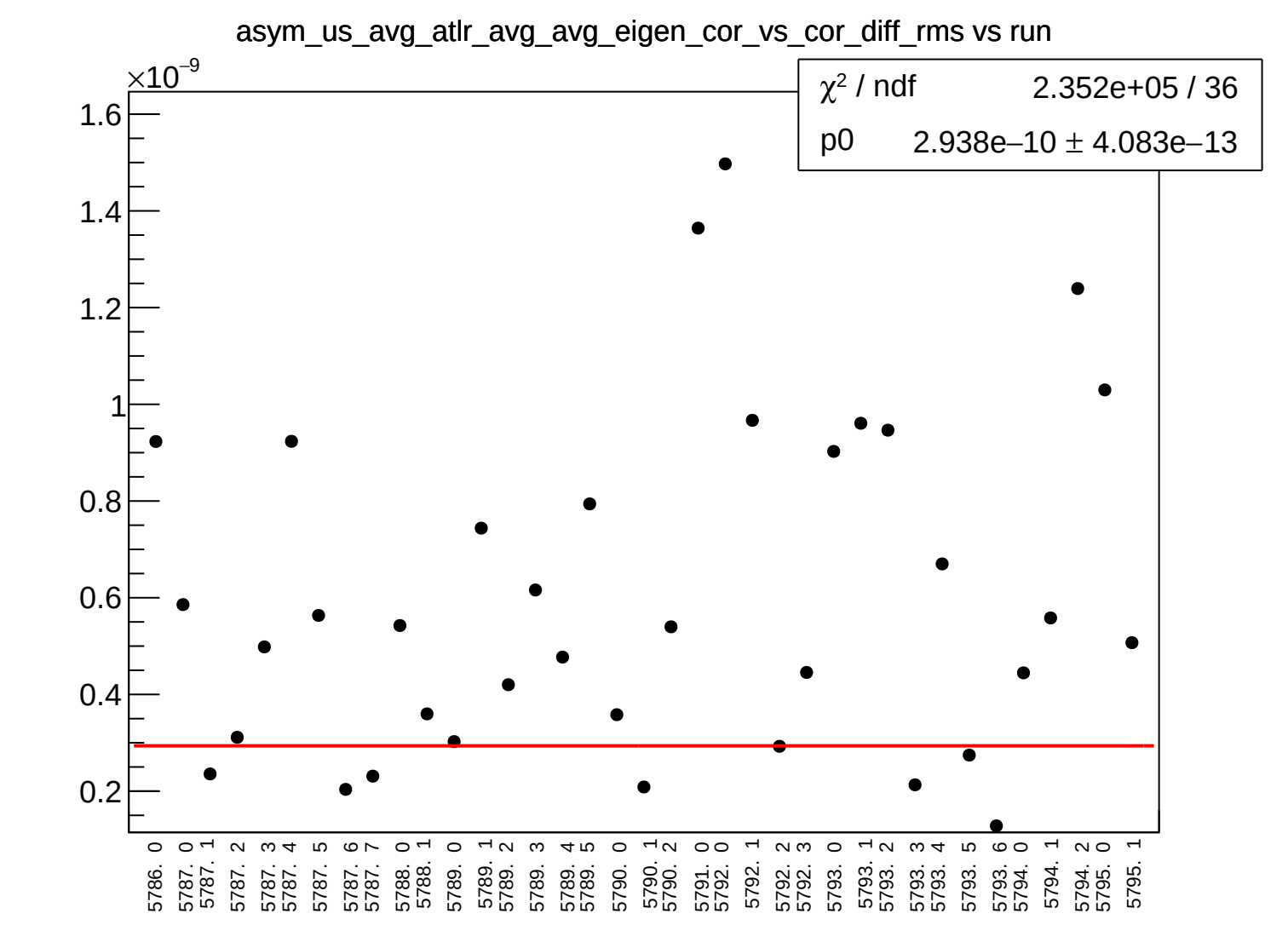

asym_us_avg_atlr_avg_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.551e+04 / 36
p0 250.4 ± 0.2977
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

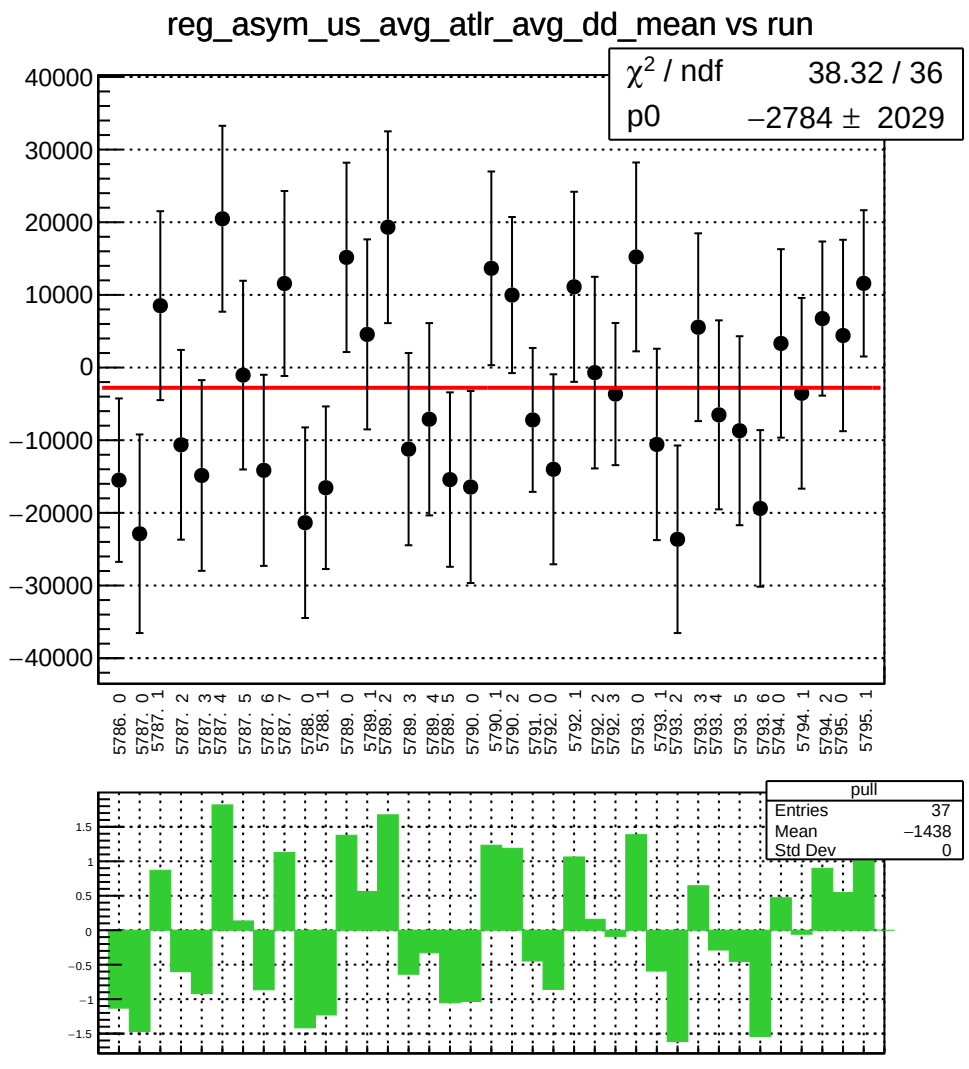

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.52 / 36
p0 0.6734 ± 0.4211
pull
Entries 37
Mean −12.66
Std Dev 0
pull1D
Entries 37
Mean 0.07964
Std Dev 1.082

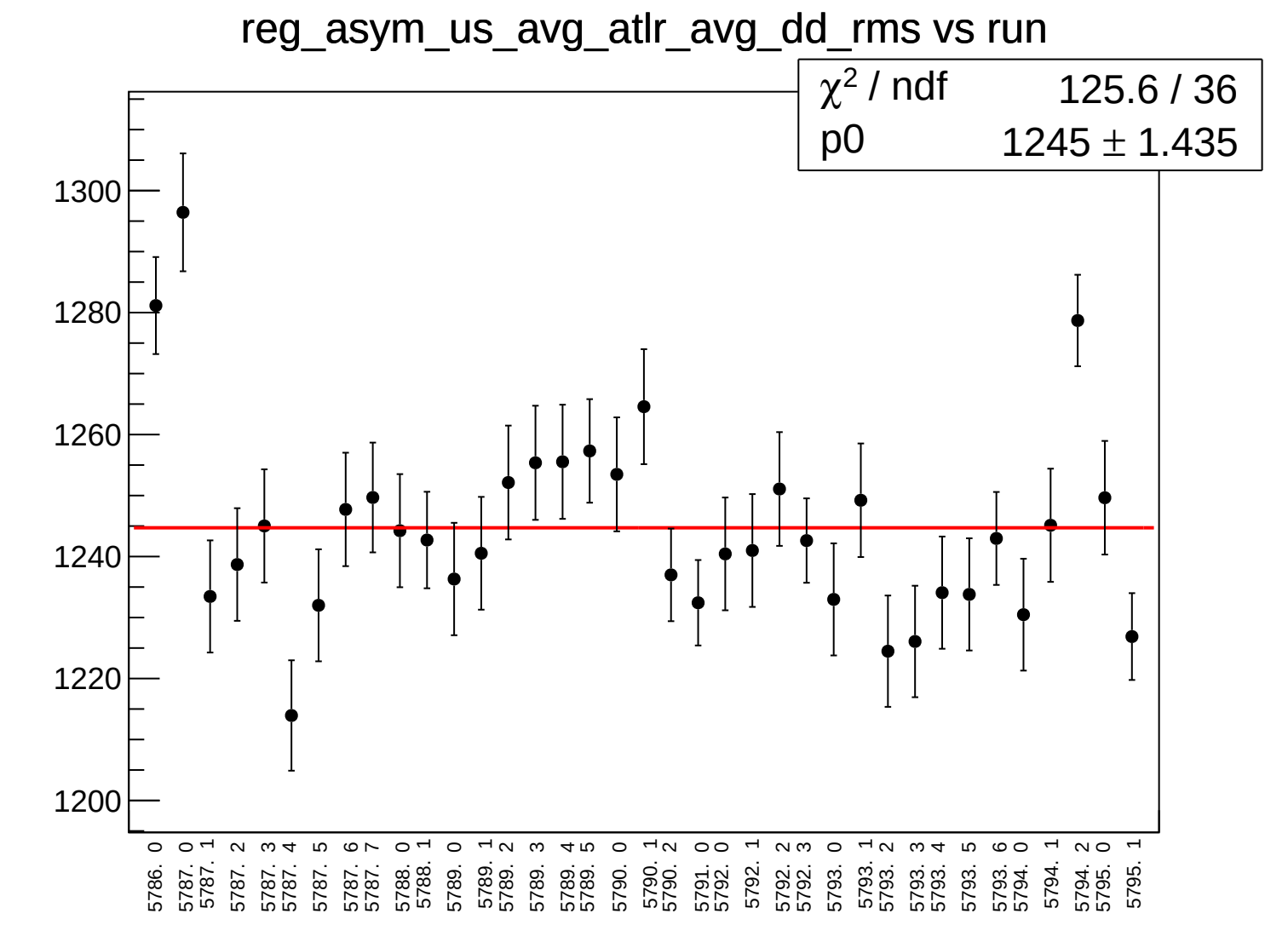

asym_us_avg_atlr_avg_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.551e+04 / 36
p0 250.4 ± 0.2977
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

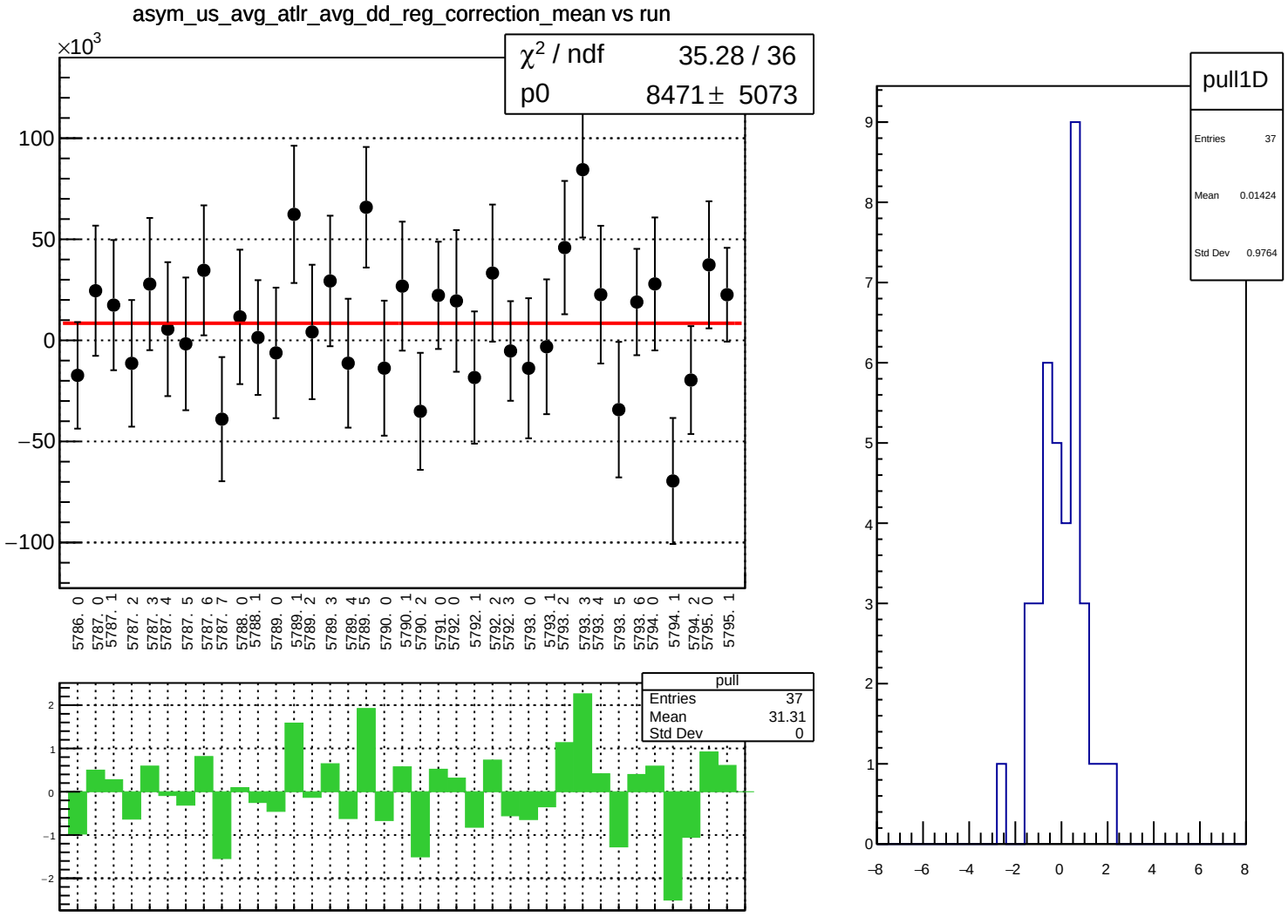

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 68.34 / 36
p0 2.22e−13 ± 5.774e−13
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.502
Std Dev 0
2
1
0
−1
−2

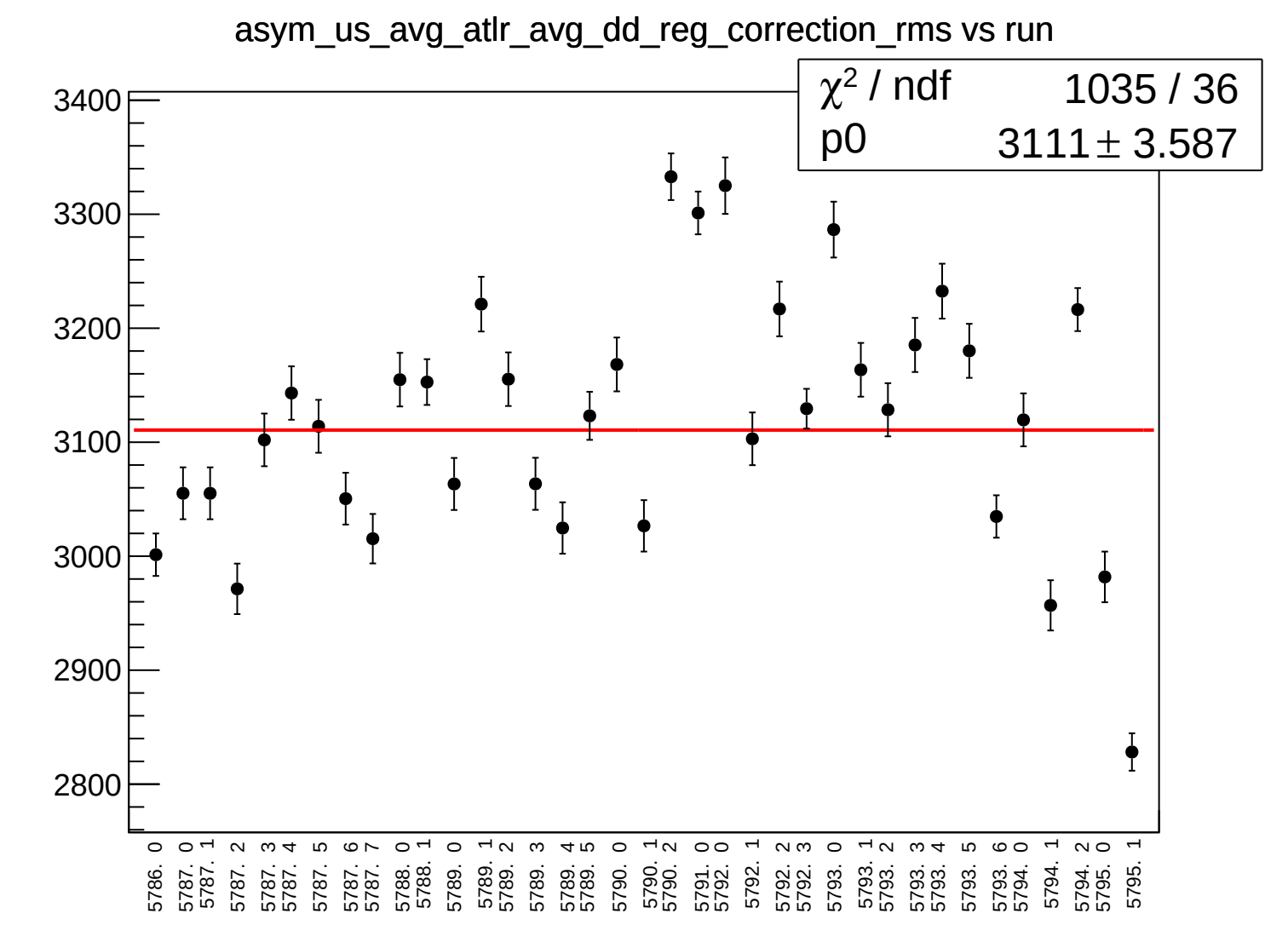

pull1D
Entries 37
Mean −0.249
Std Dev 1.336
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

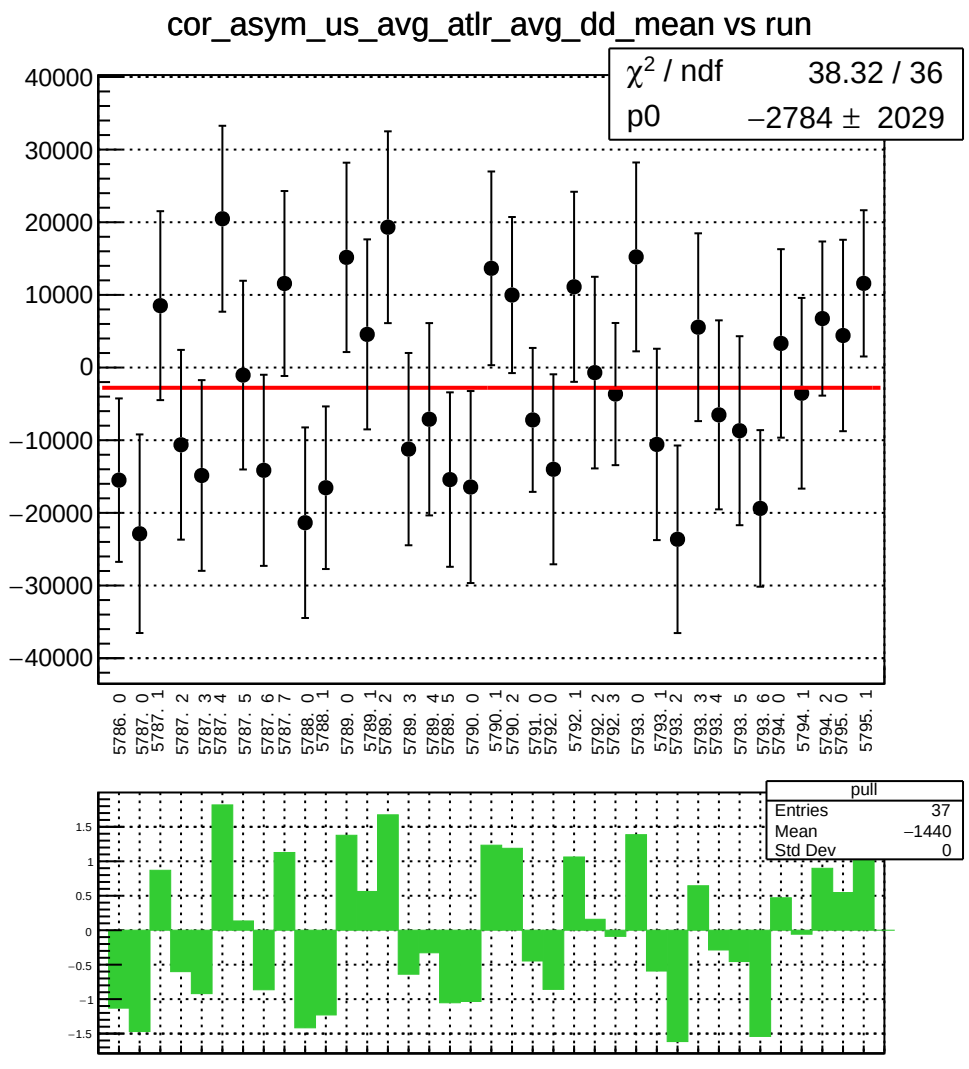

asym_us_avg_atlr_avg_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.352e+05 / 36
p0 2.938e−10 ± 4.083e−13
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

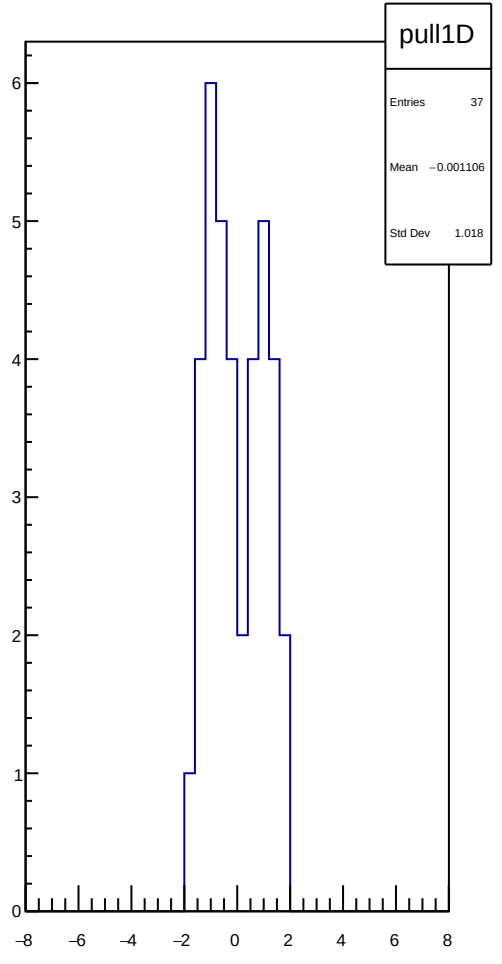

reg_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.32 / 36
p0 −2784 ± 2029
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1438
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.001108
Std Dev 1.018
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

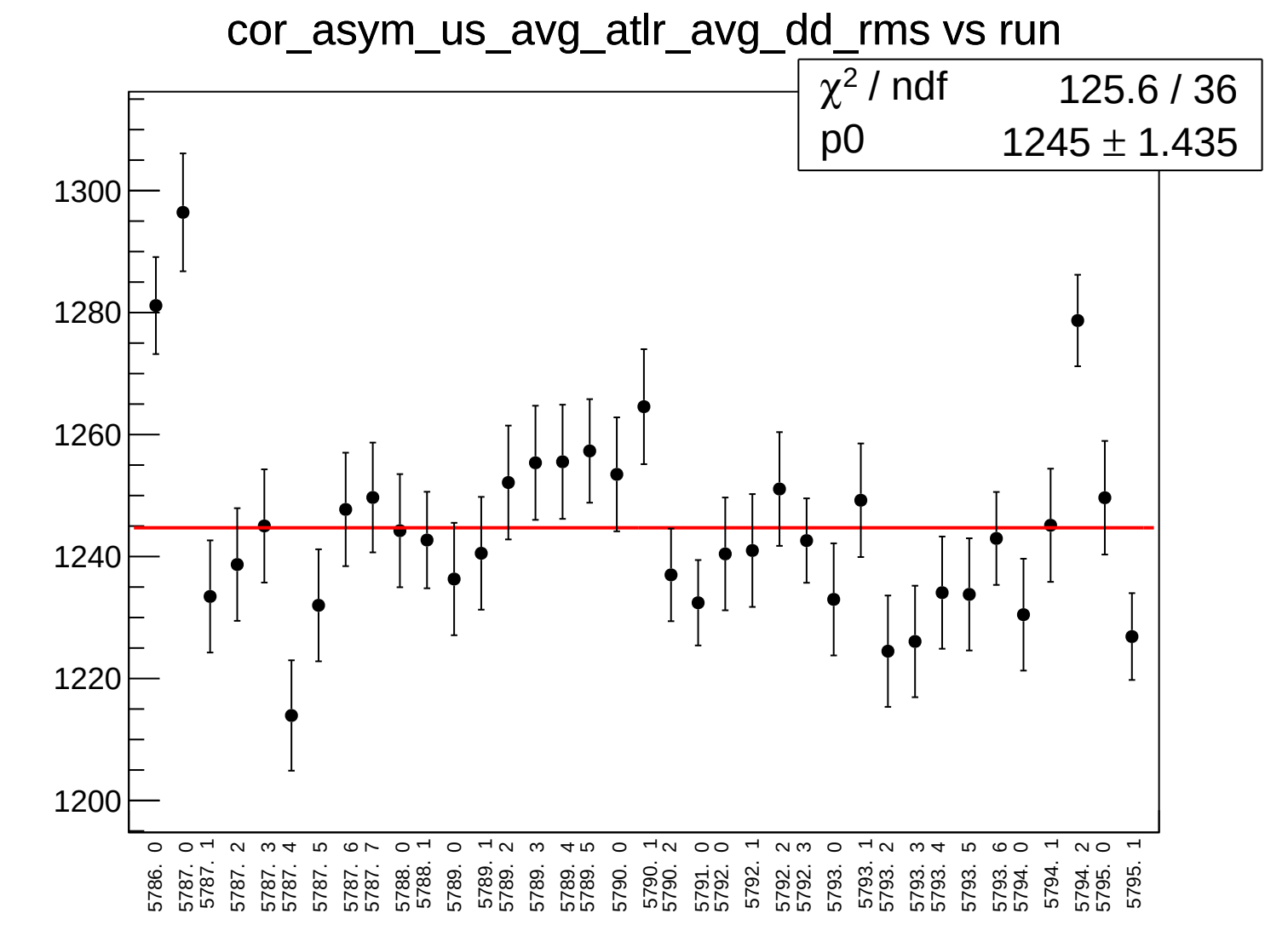

reg_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 125.6 / 36
p0 1245 ± 1.435
1300
1280
1260
1240
1220
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_atlr_avg_dd_reg_correction_mean vs run
χ² / ndf 35.28 / 36
p0 8471 ± 5073
×10³
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.31
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01424
Std Dev 0.9764
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 1035 / 36
p0 3111 ± 3.587
3400
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.32 / 36
p0 −2784 ± 2029
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1440
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.001106
Std Dev 1.018
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 125.6 / 36
p0 1245 ± 1.435
1300
1280
1260
1240
1220
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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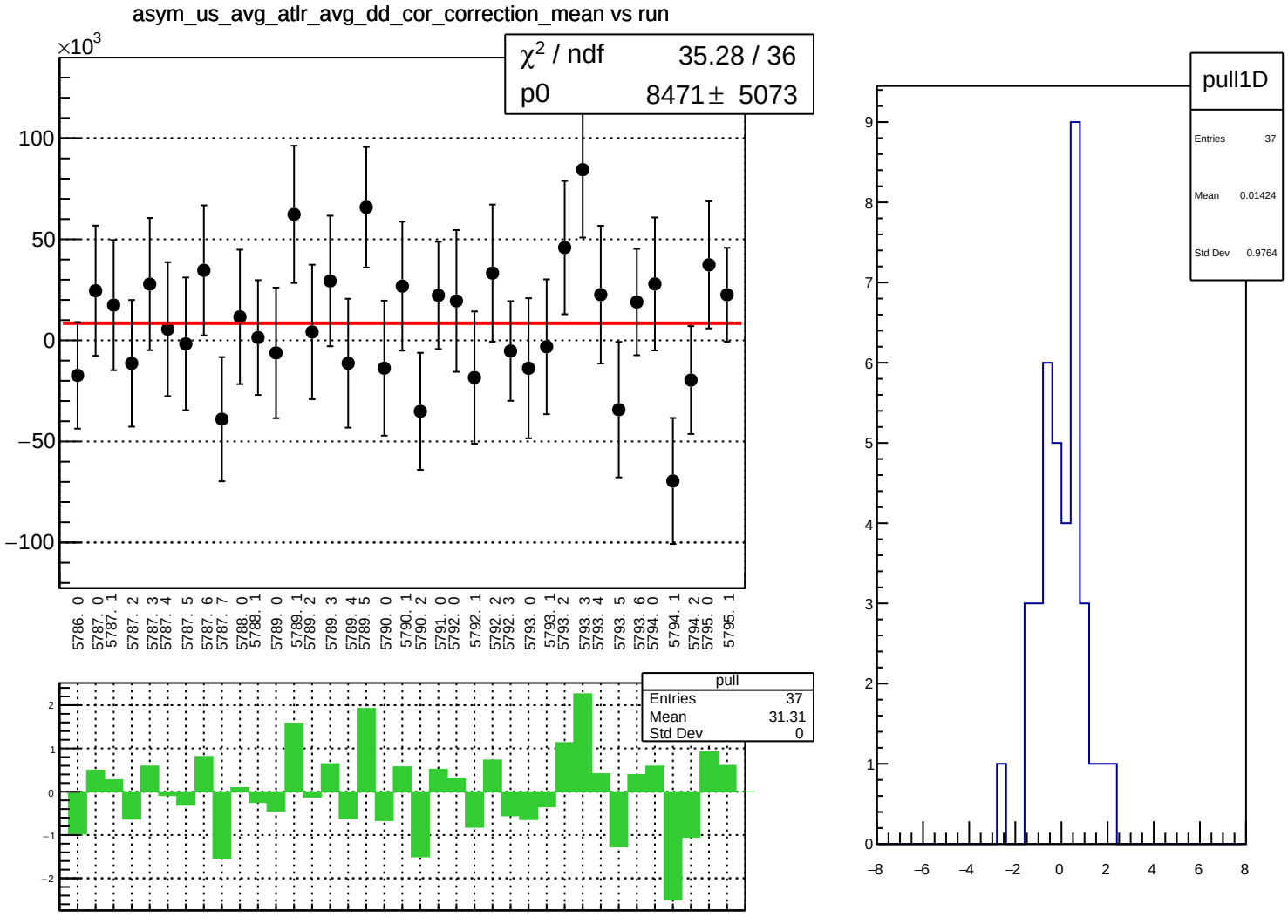
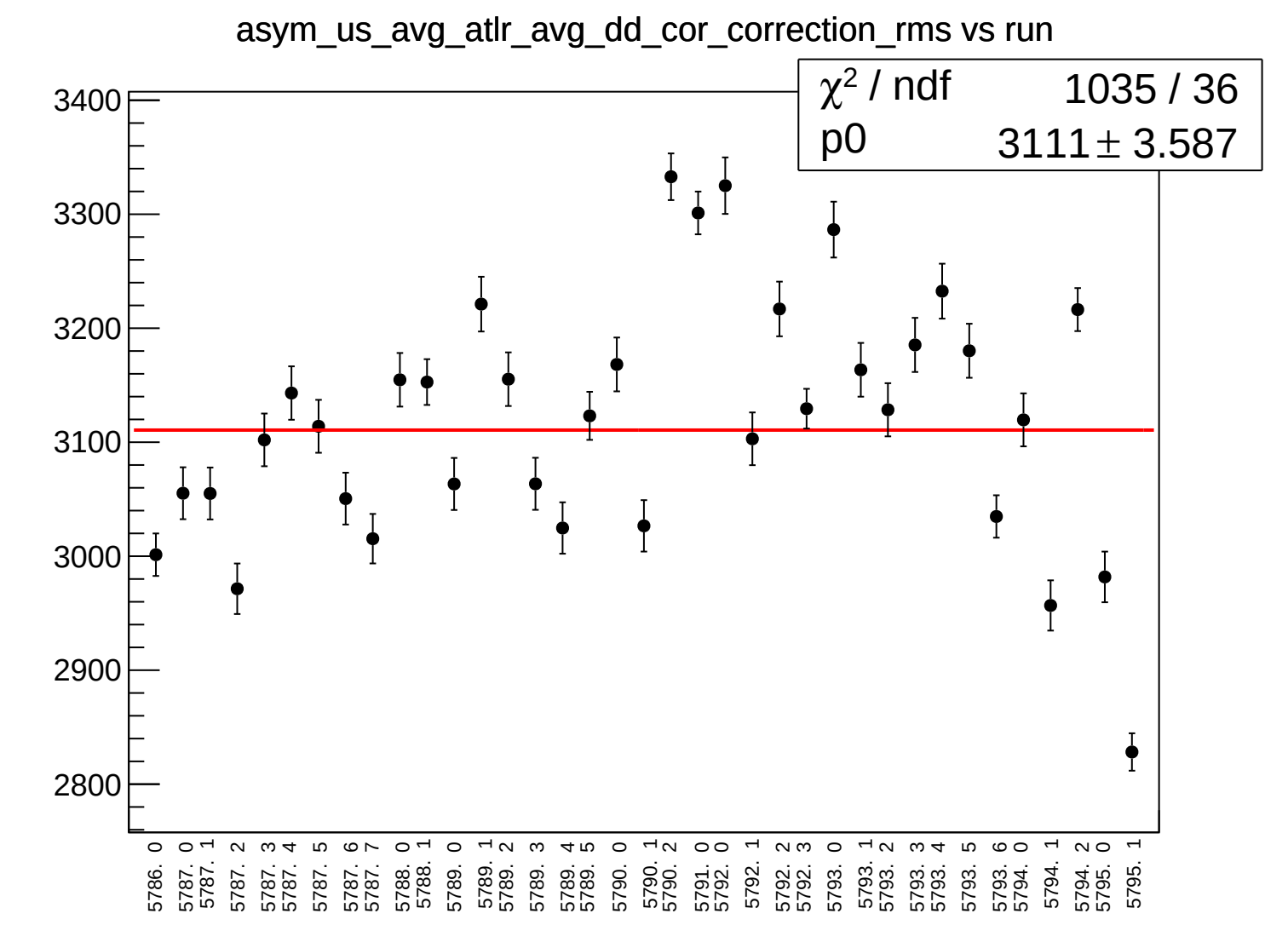
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_atlr_avg_dd_cor_correction_mean vs run
×10^3
χ^2 / ndf 35.28 / 36
p0 8471 ± 5073
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.31
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01424
Std Dev 0.9764
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 1035 / 36
p0 3111 ± 3.587
3400
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
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5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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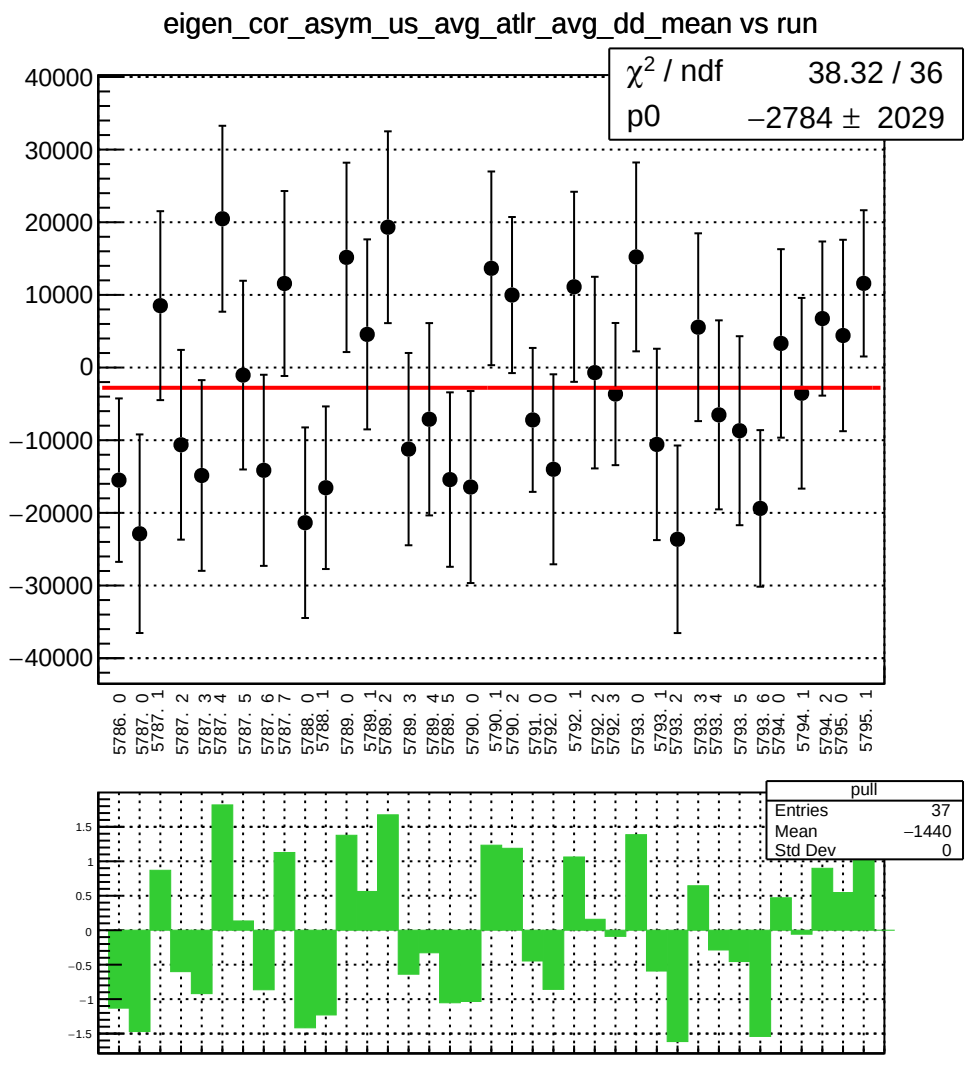
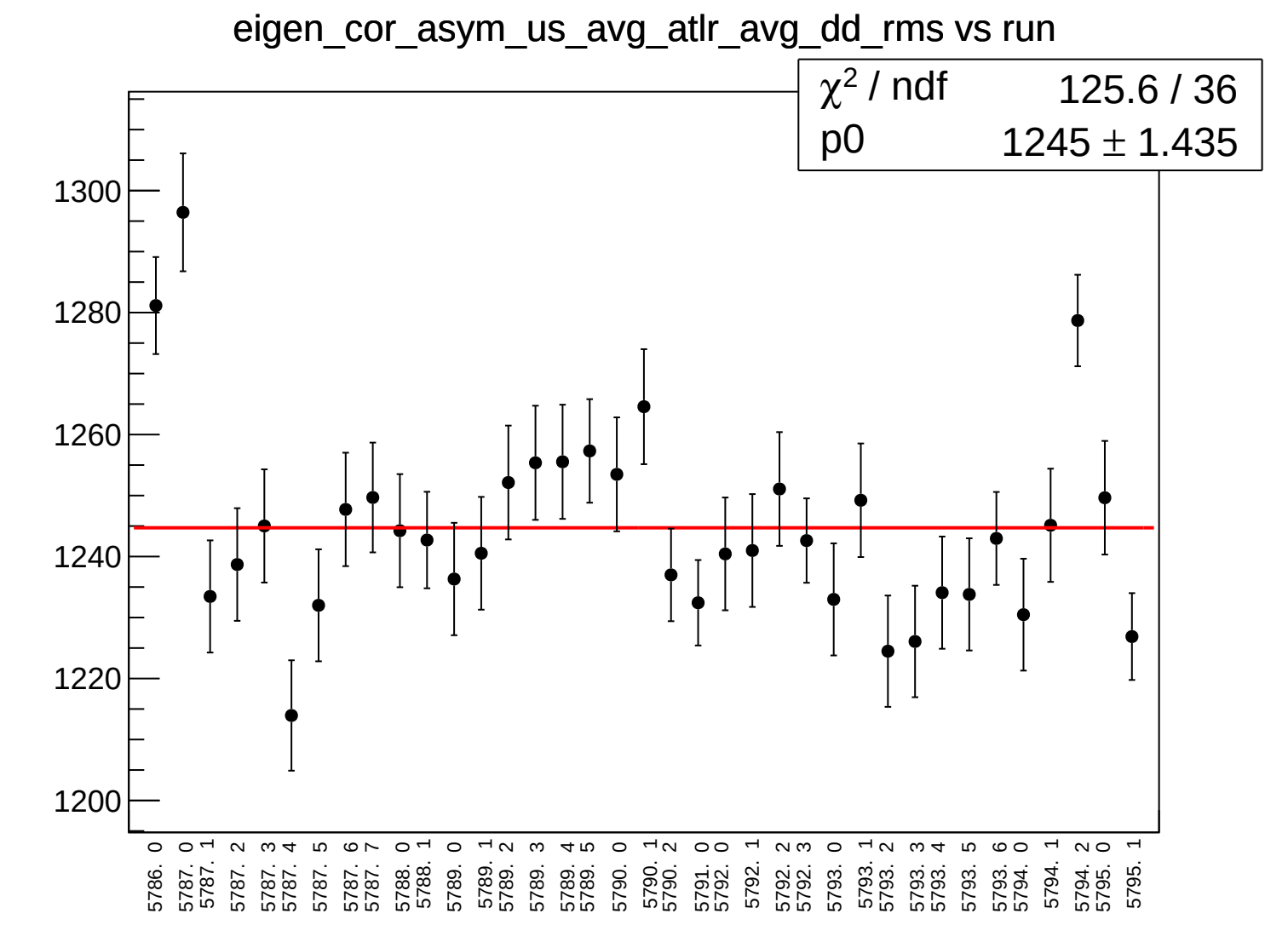
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 38.32 / 36
p0 −2784 ± 2029
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1440
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.001106
Std Dev 1.018
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 125.6 / 36
p0 1245 ± 1.435
1300
1280
1260
1240
1220
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
5794. 0
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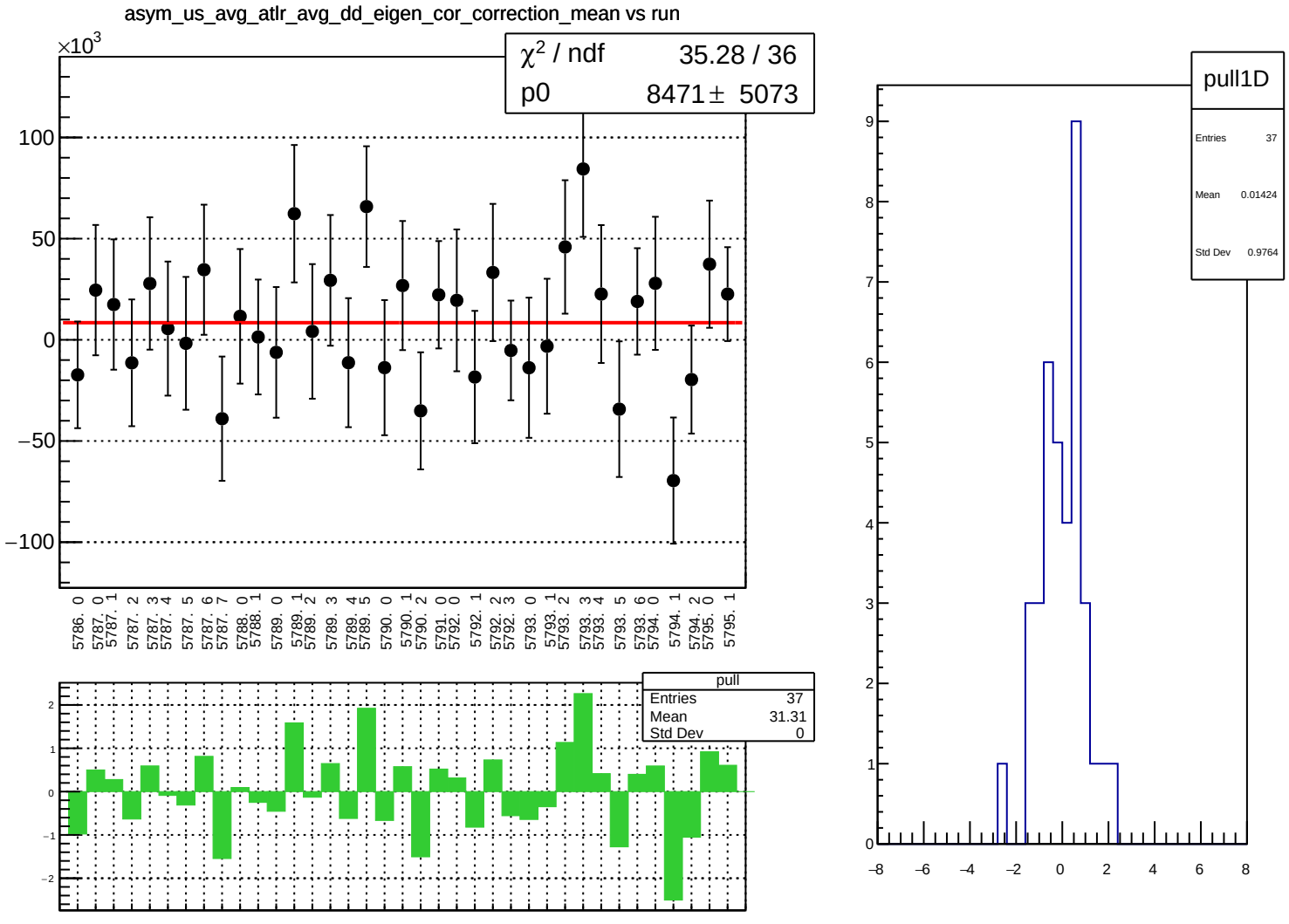
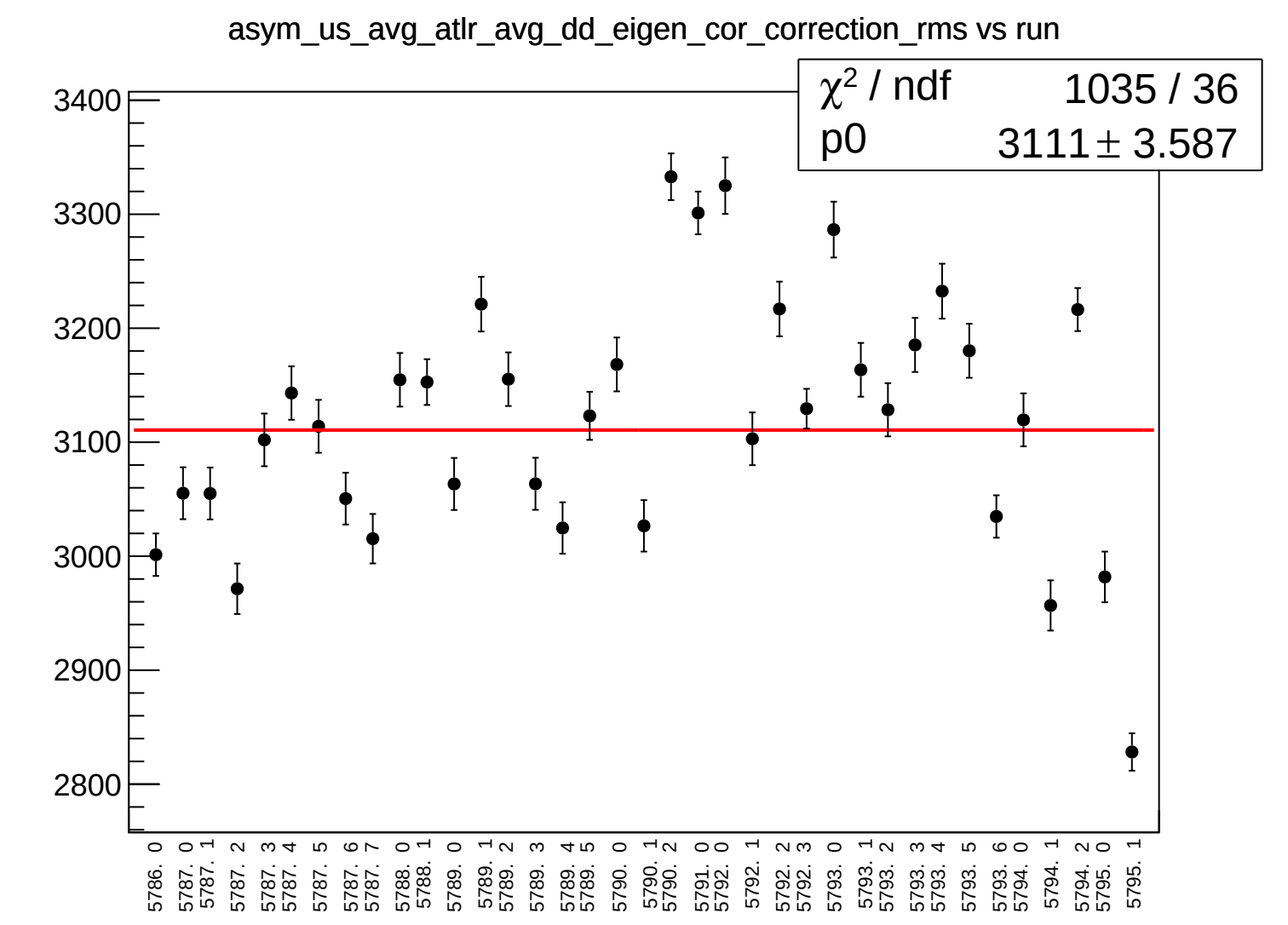
5794. 2
5795. 0
5795. 1


asym_us_avg_atlr_avg_dd_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 35.28 / 36
p0 8471 ± 5073
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.31
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01424
Std Dev 0.9764
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 1035 / 36
p0 3111 ± 3.587
3400
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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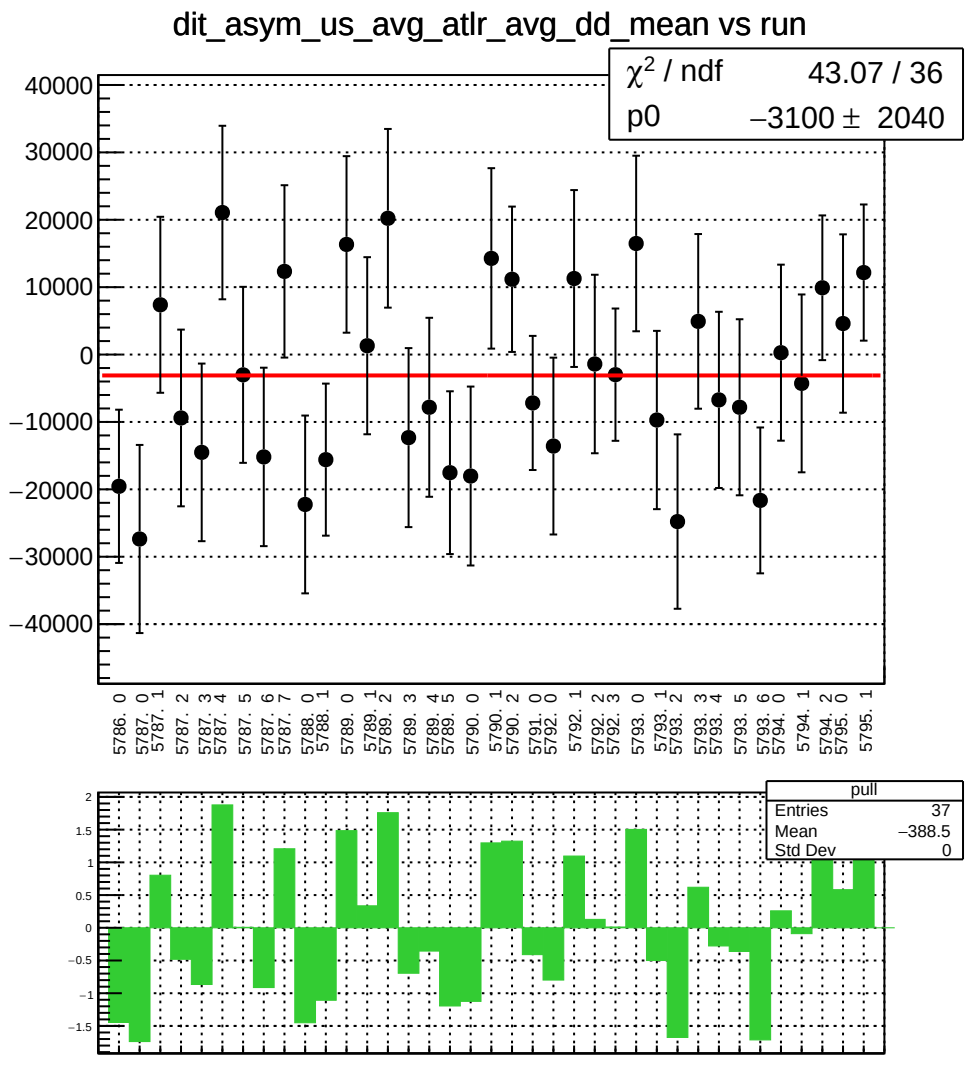
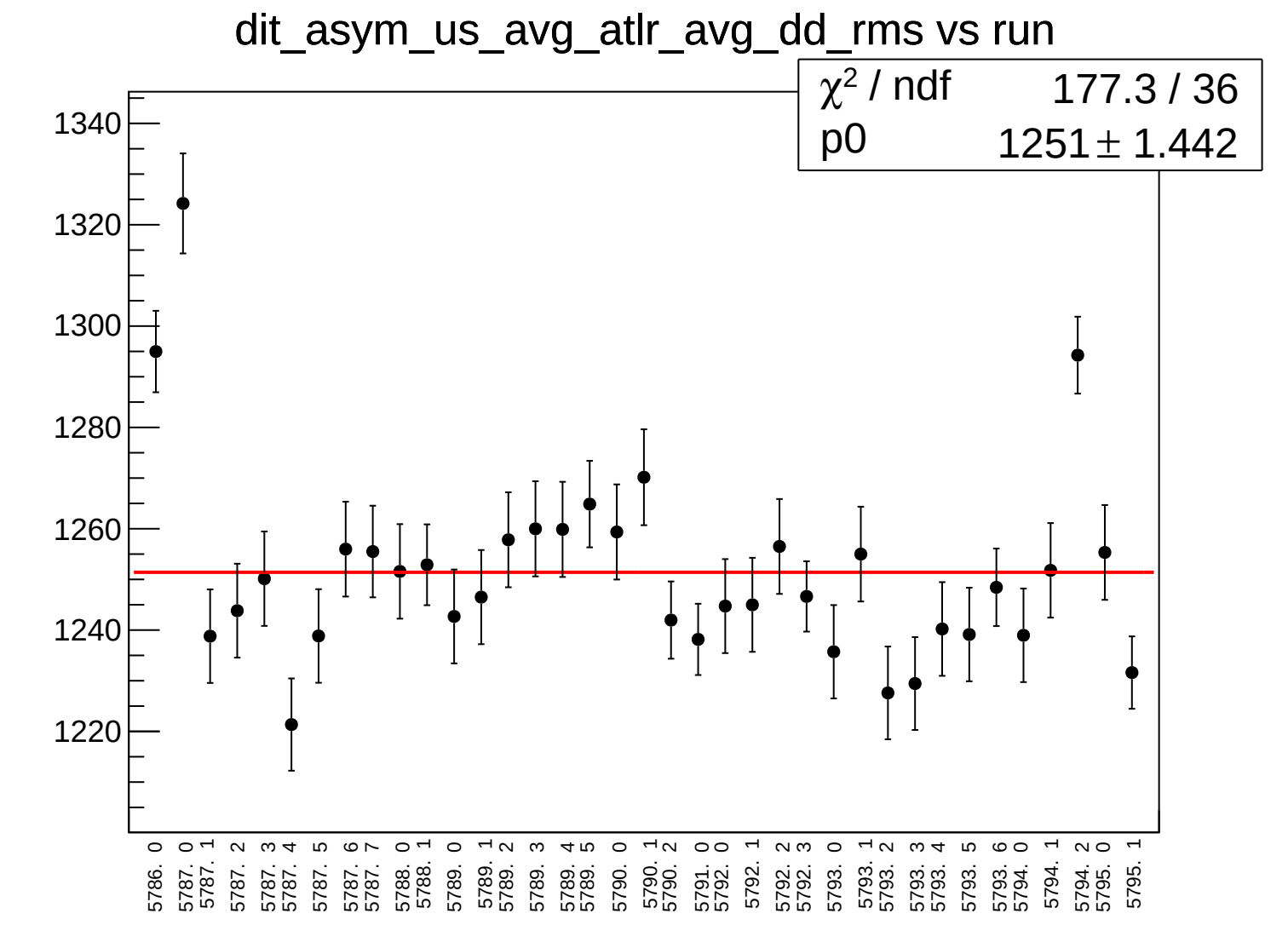
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 43.07 / 36
p0 −3100 ± 2040
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −388.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.004888
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_avg_atlr_avg_dd_rms vs run
χ² / ndf 177.3 / 36
p0 1251 ± 1.442
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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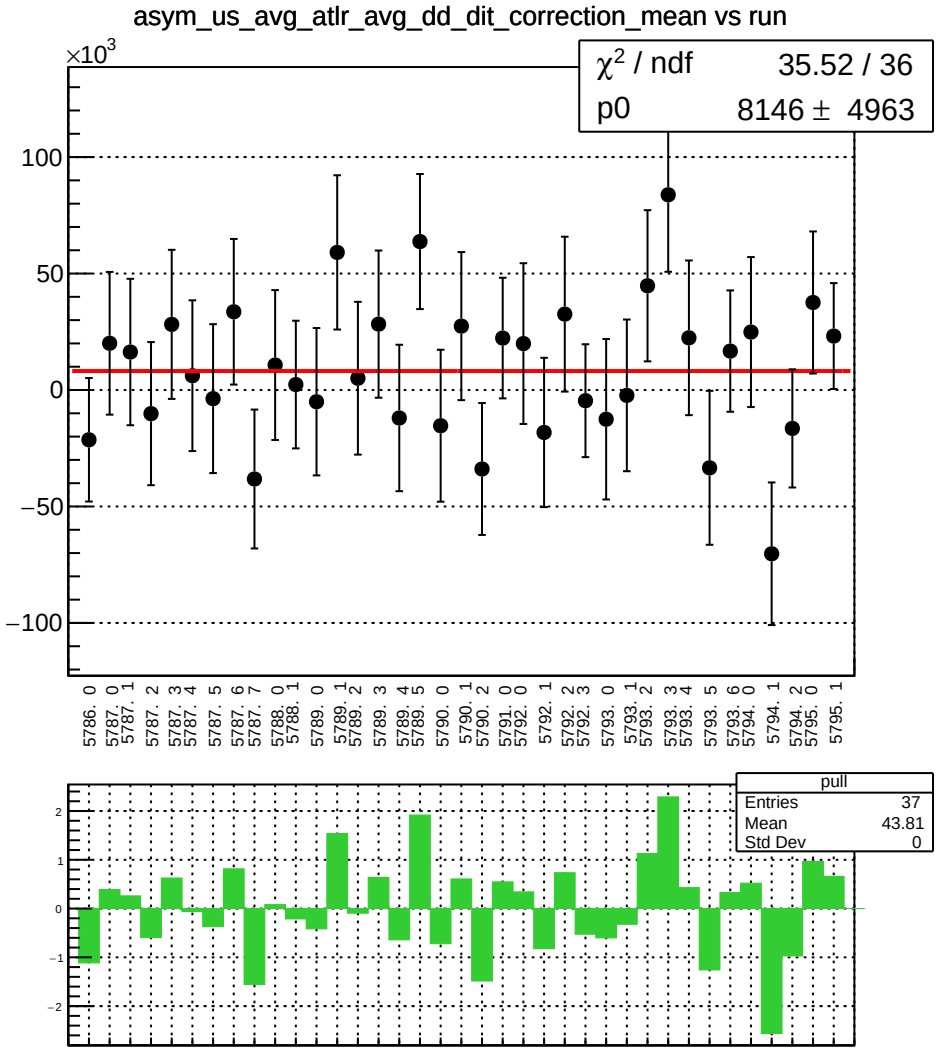
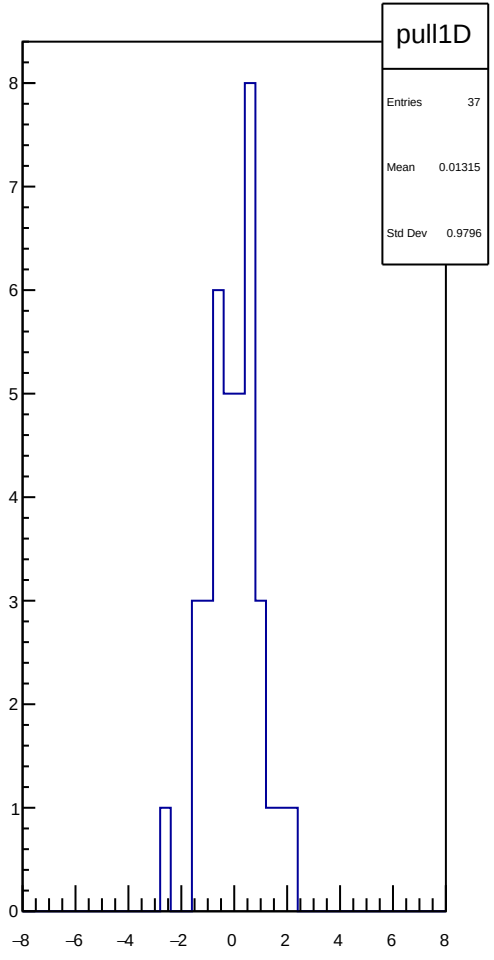
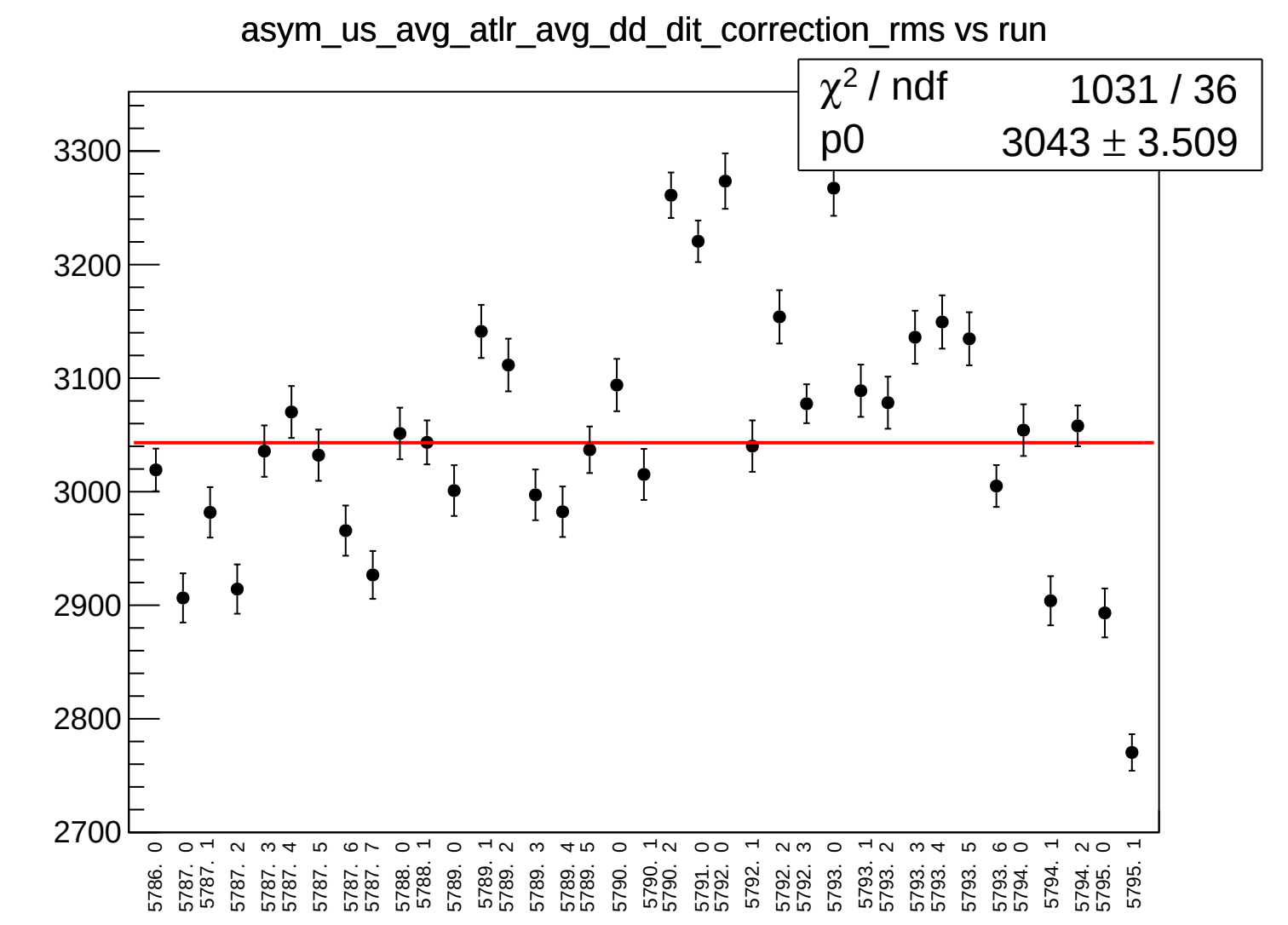
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_atlr_avg_dd_dit_correction_mean vs run
×10^3
χ² / ndf 35.52 / 36
p0 8146 ± 4963
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 43.81
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01315
Std Dev 0.9796
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 1031 / 36
p0 3043 ± 3.509
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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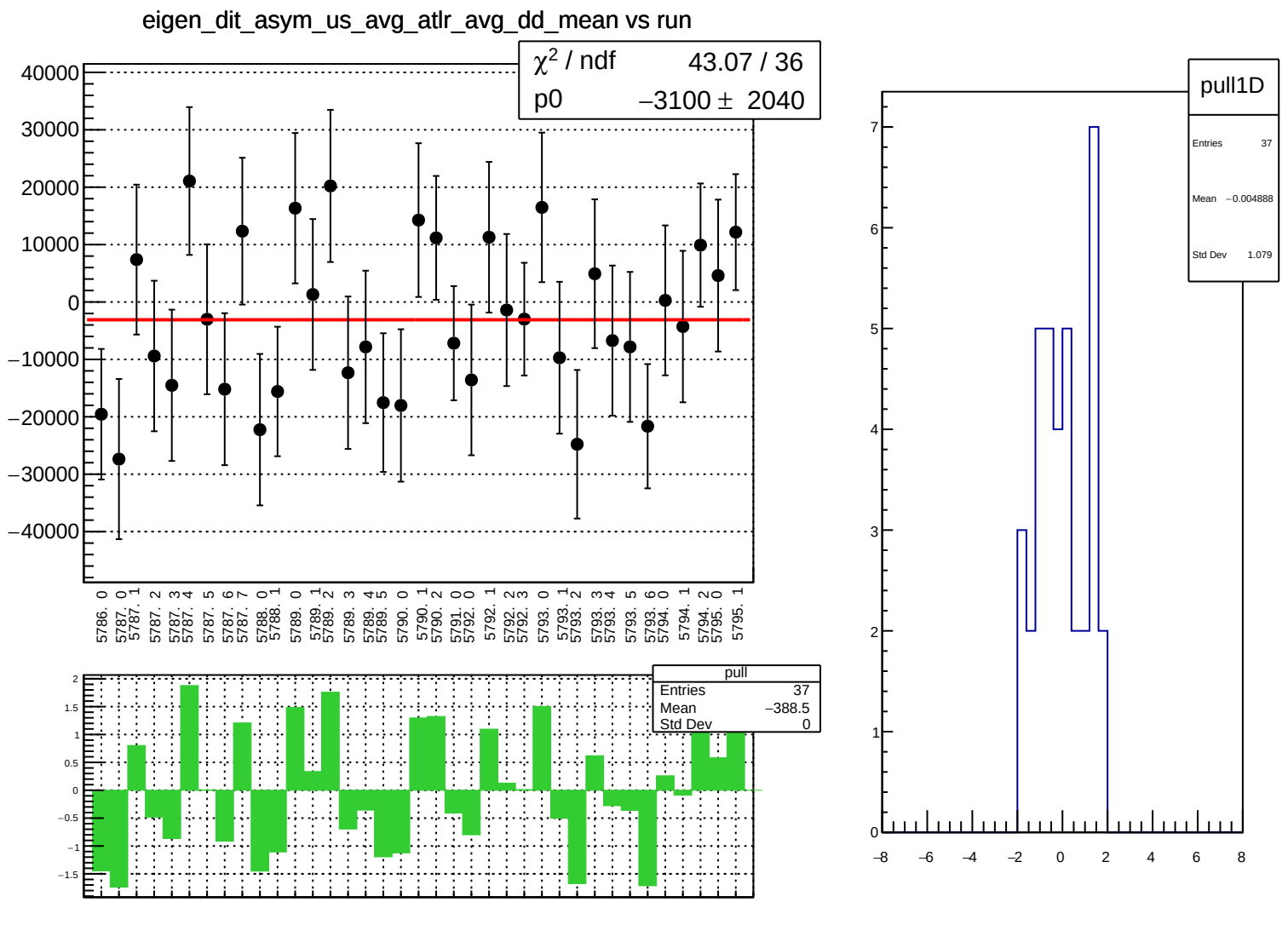
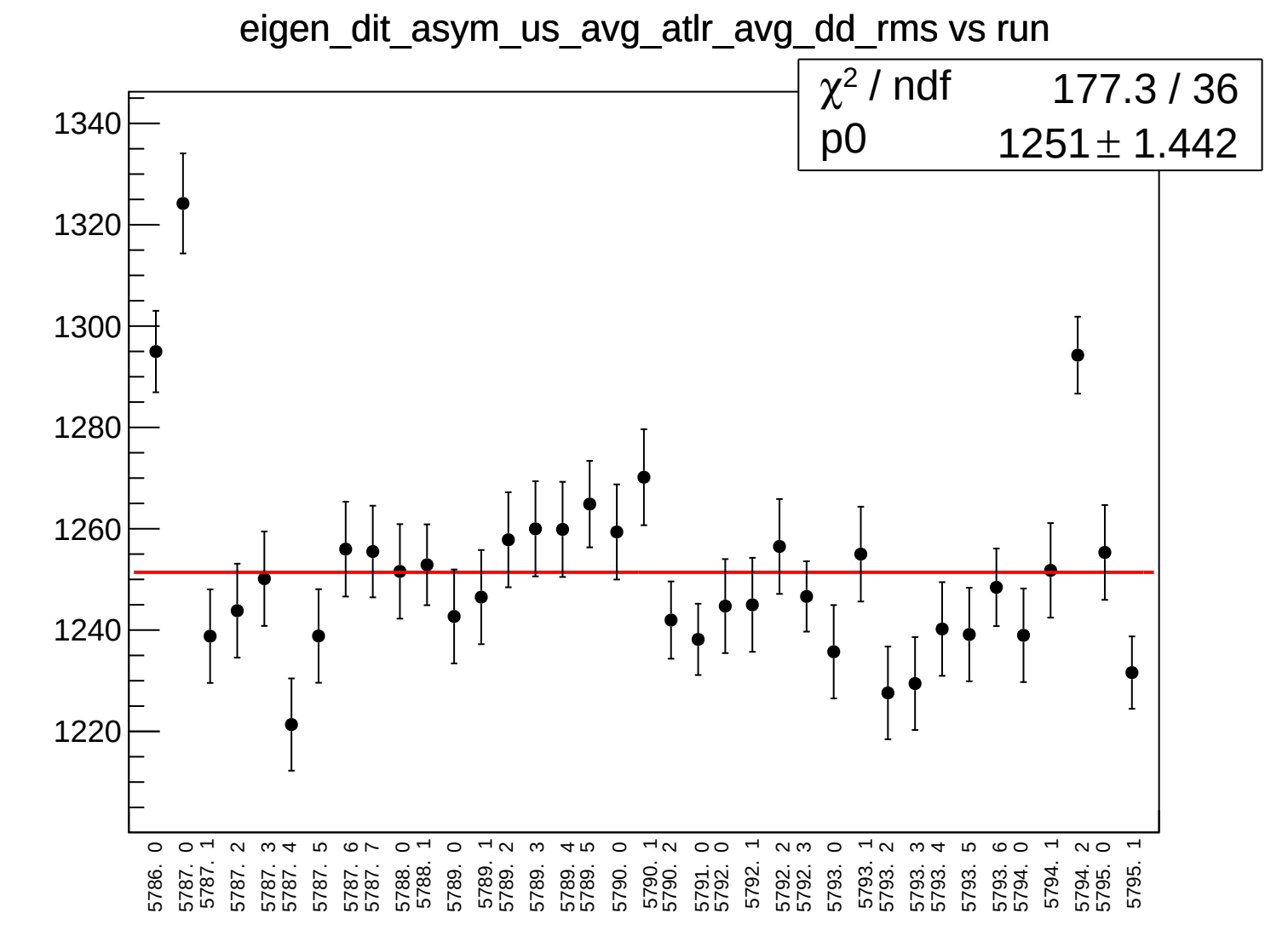
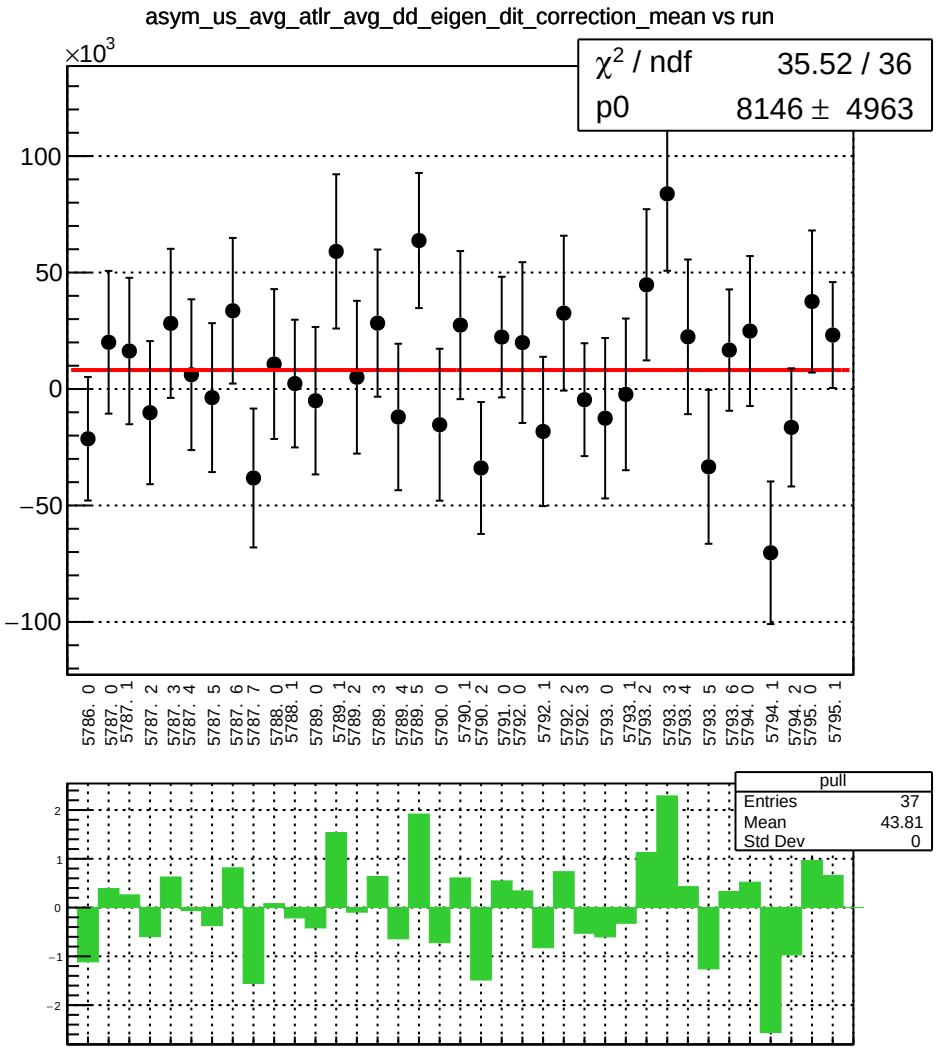
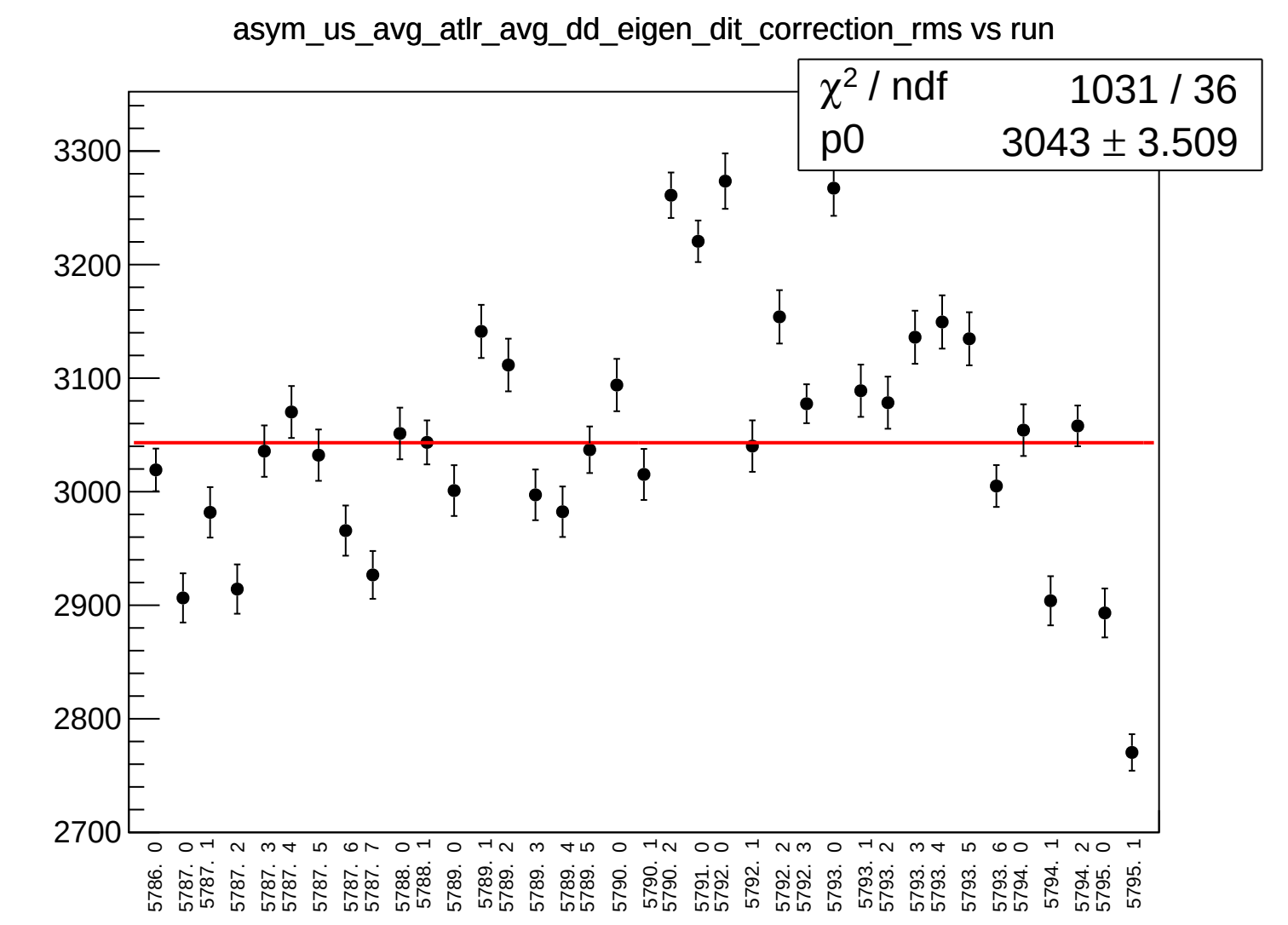
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_us_avg_atlr_avg_dd_mean vs run
χ² / ndf 43.07 / 36
p0 −3100 ± 2040
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −388.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.004888
Std Dev 1.079
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 177.3 / 36
p0 1251 ± 1.442
1340
1320
1300
1280
1260
1240
1220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_avg_atlr_avg_dd_eigen_dit_correction_mean vs run
×10^3
χ^2 / ndf 35.52 / 36
p0 8146 ± 4963
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 43.81
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01315
Std Dev 0.9796
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 1031 / 36
p0 3043 ± 3.509
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
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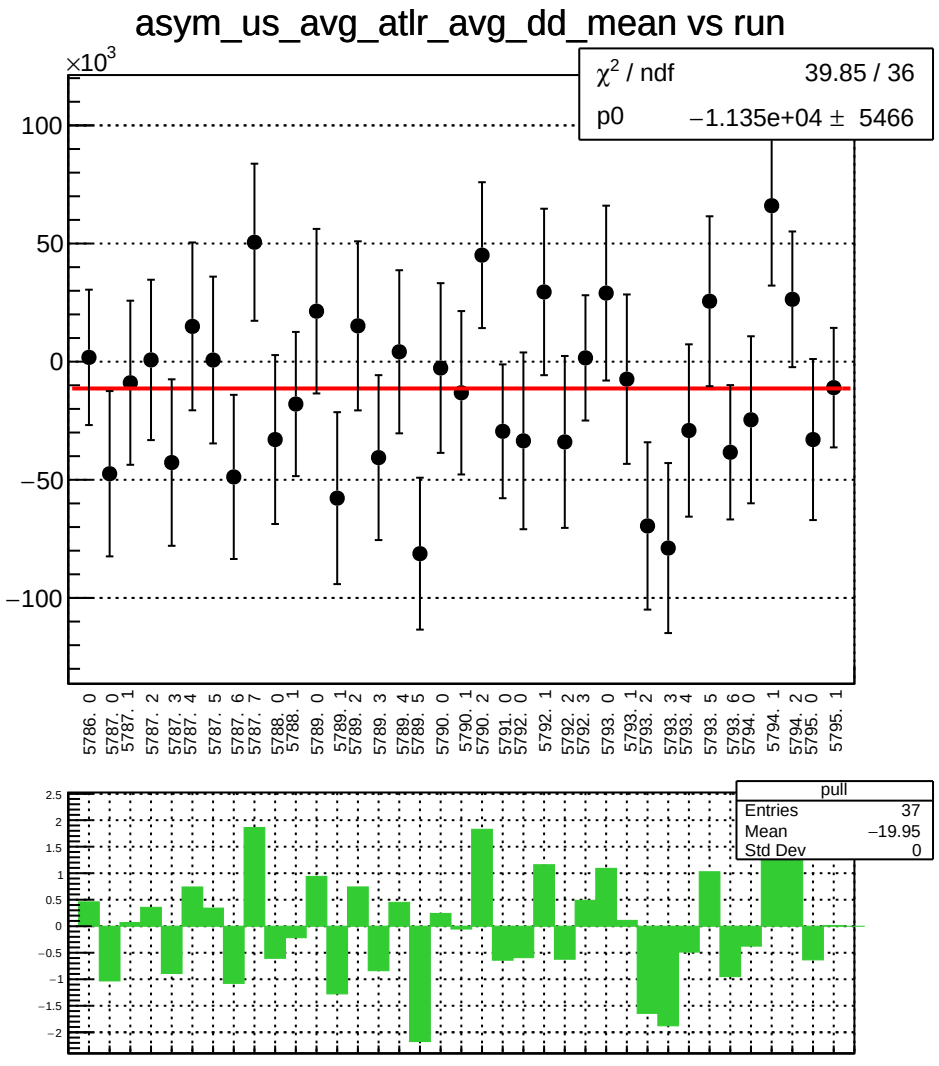
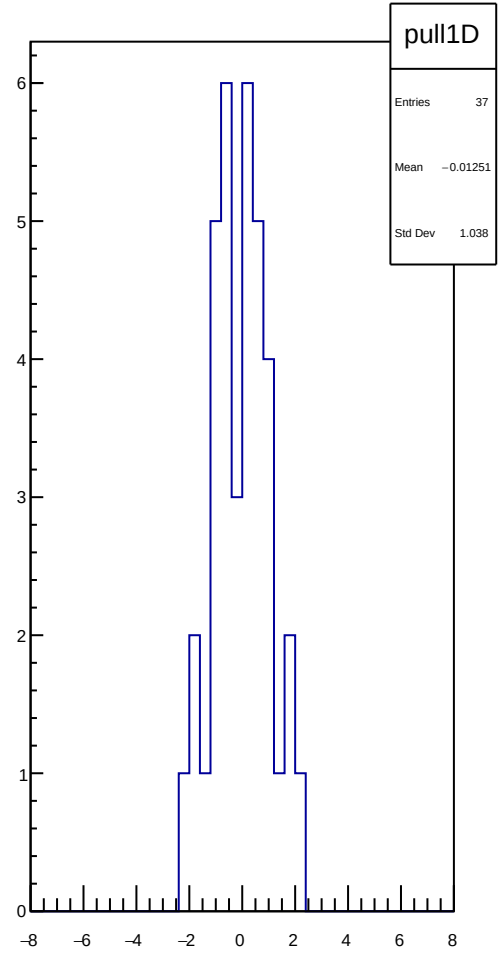
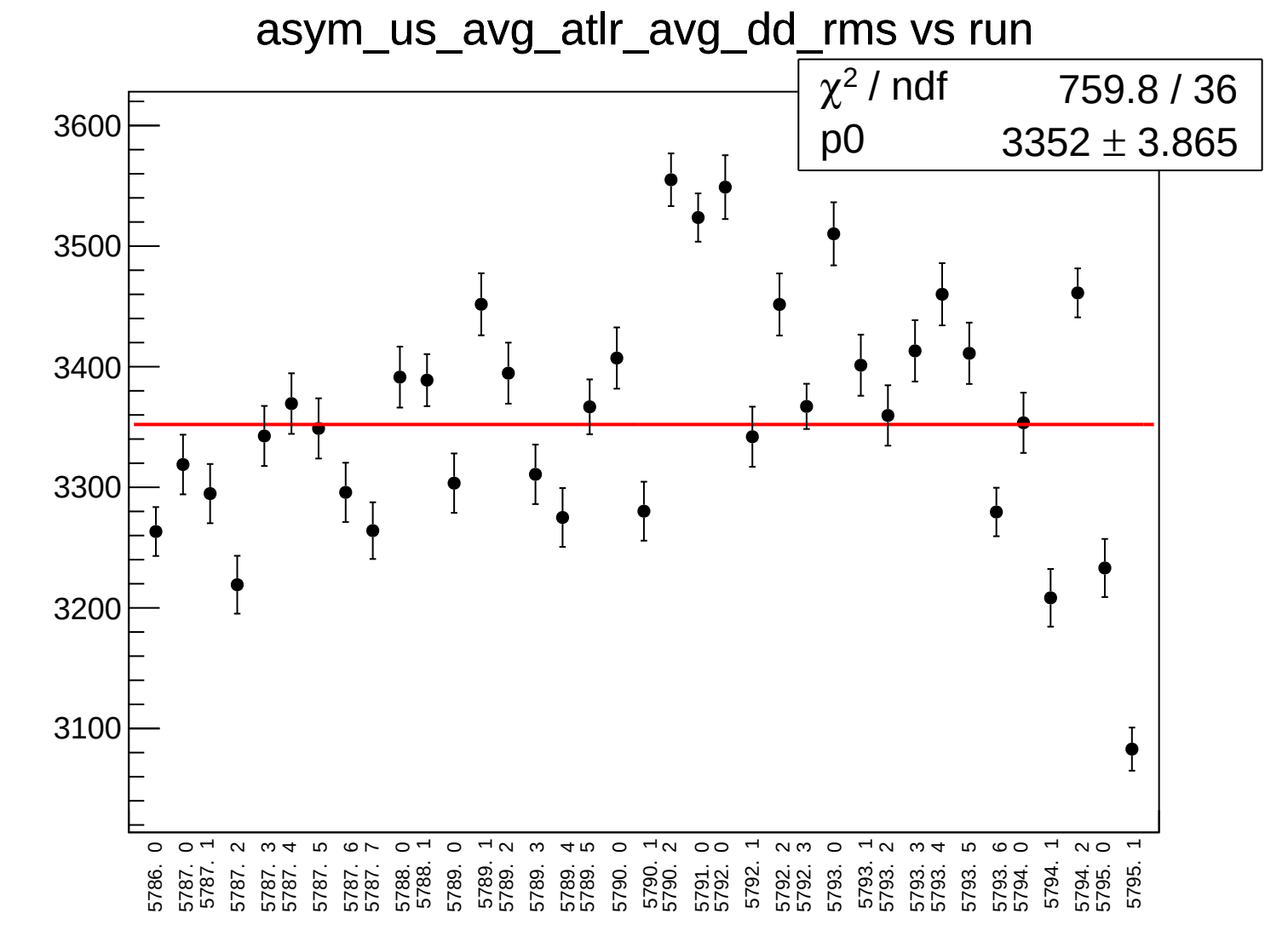
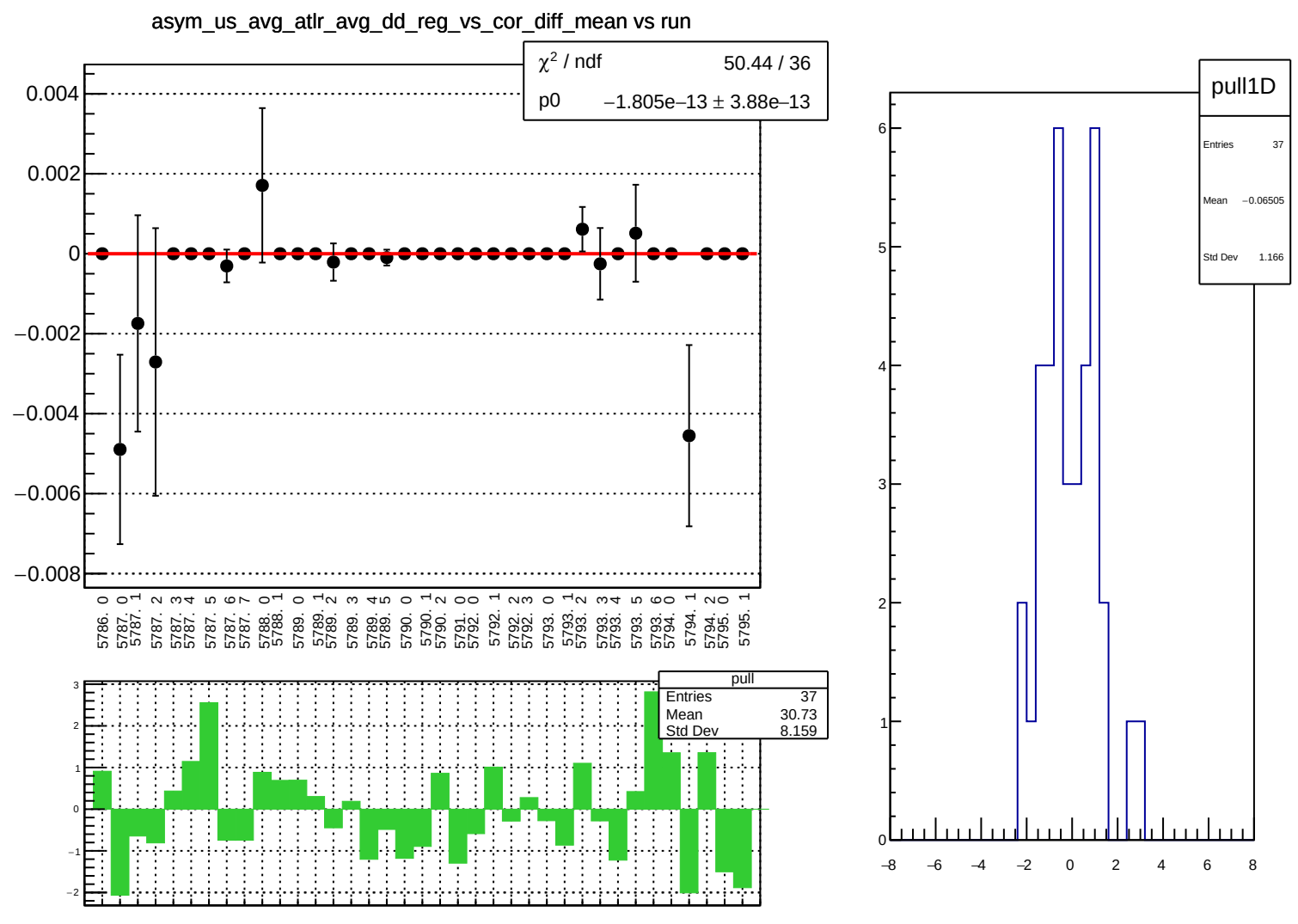
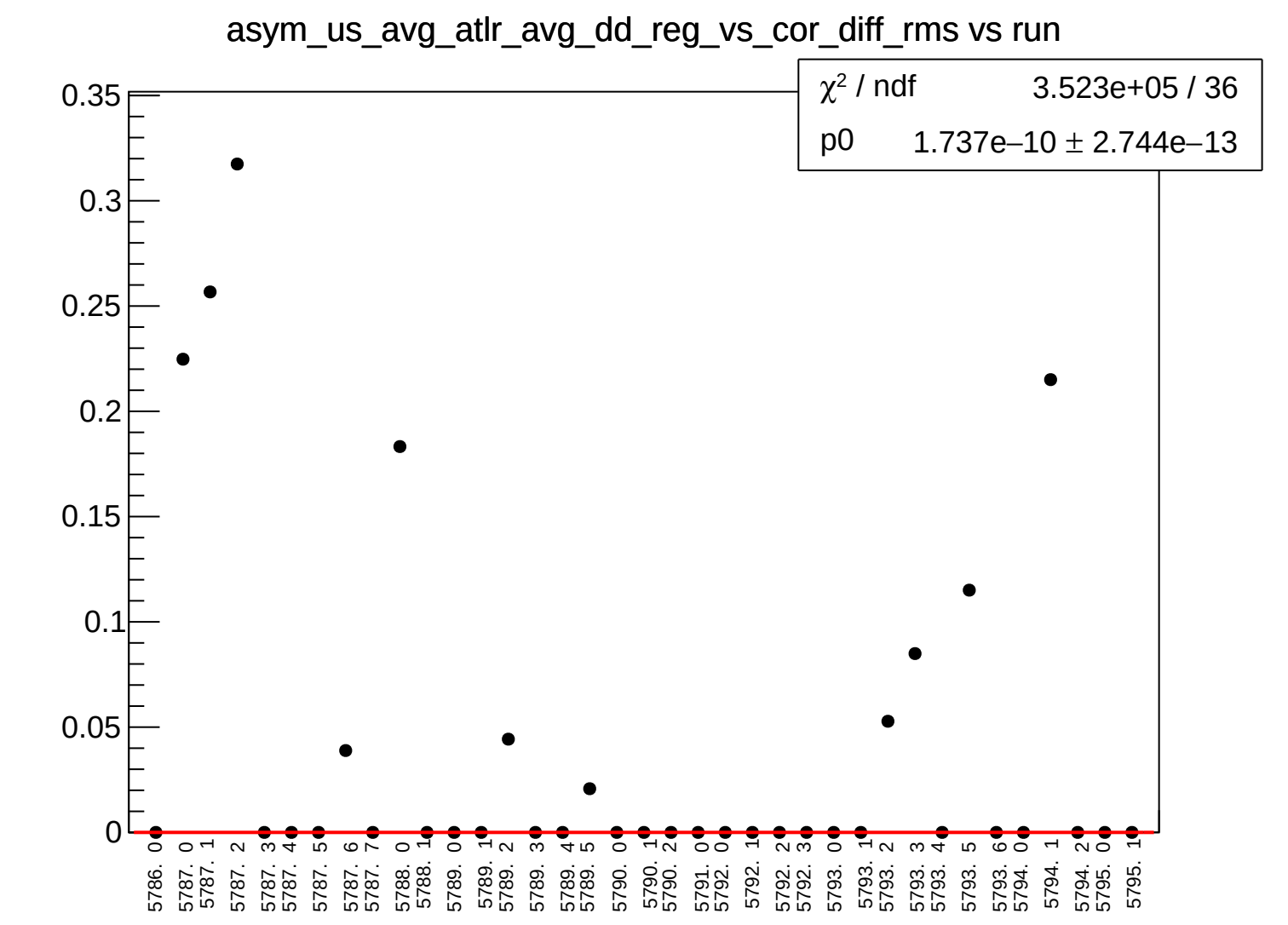
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

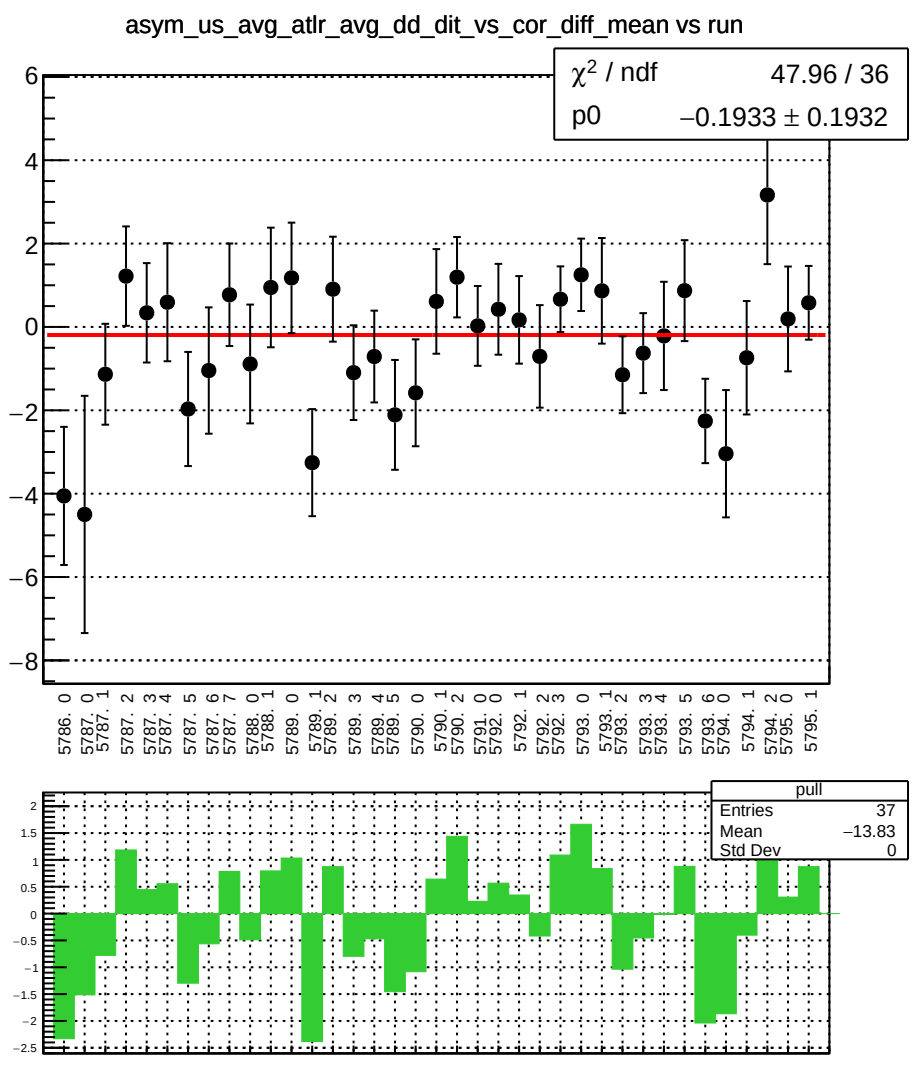

asym_us_avg_atlr_avg_dd_mean vs run
×10^3
χ² / ndf 39.85 / 36
p0 −1.135e+04 ± 5466
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

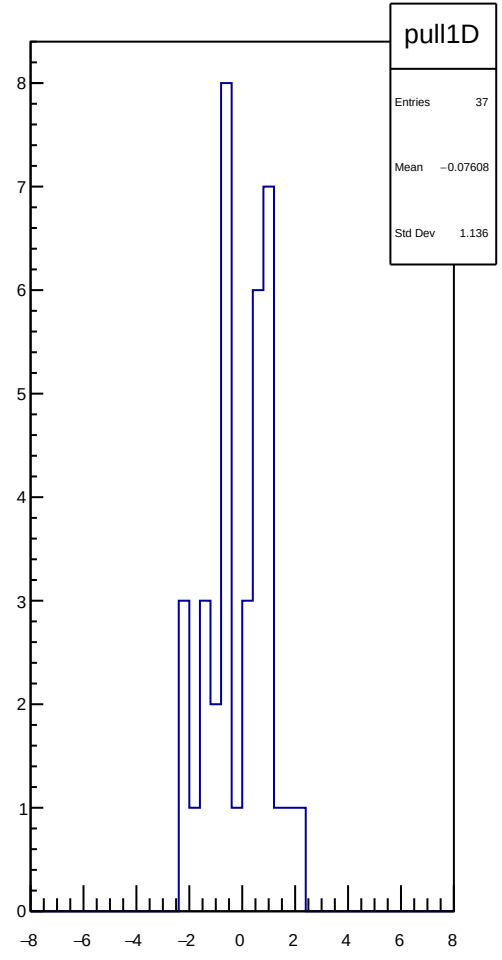

pull1D
Entries 37
Mean −0.01251
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

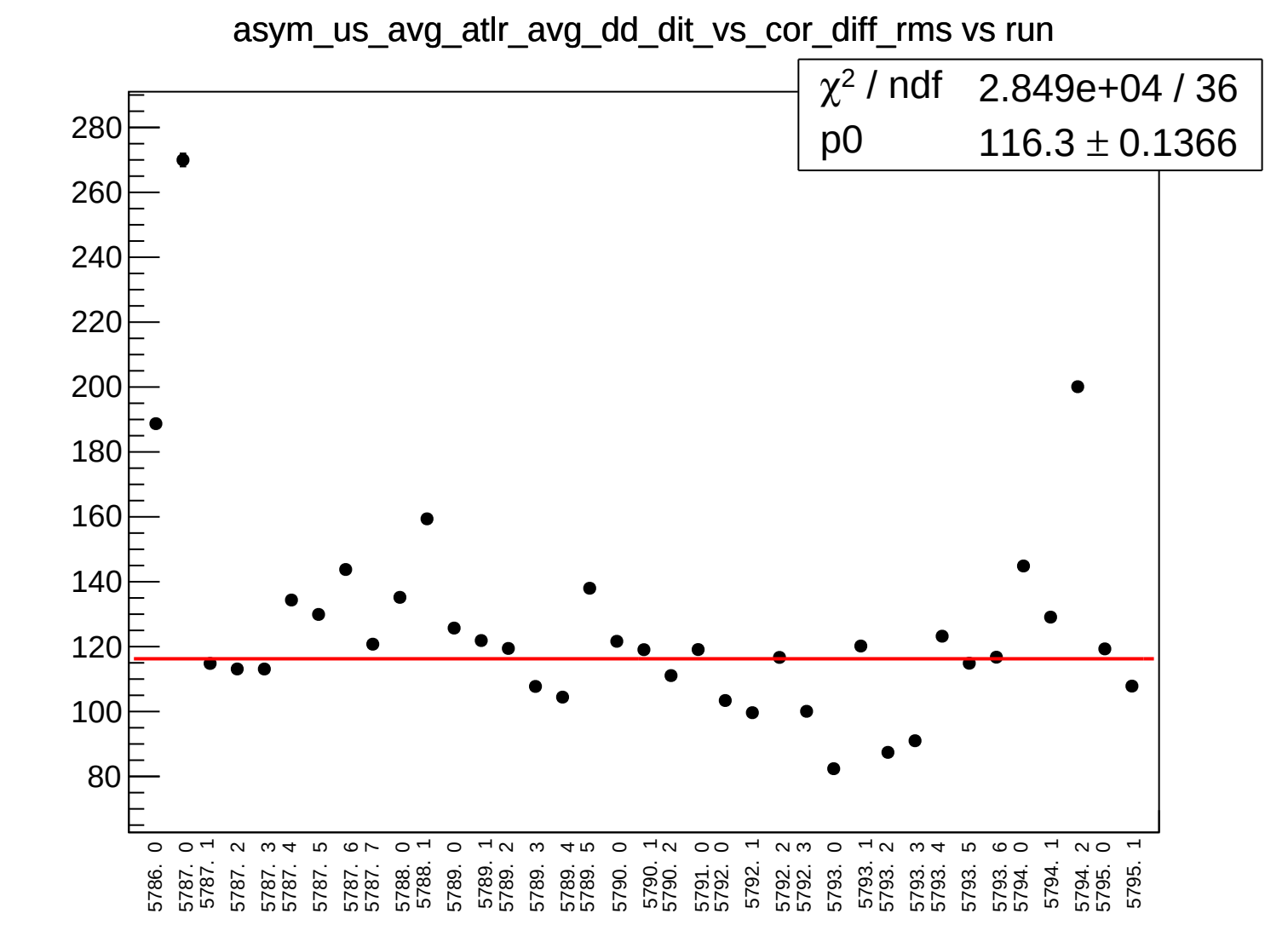

asym_us_avg_atlr_avg_dd_rms vs run
χ^2 / ndf 759.8 / 36
p0 3352 ± 3.865
3600
3500
3400
3300
3200
3100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

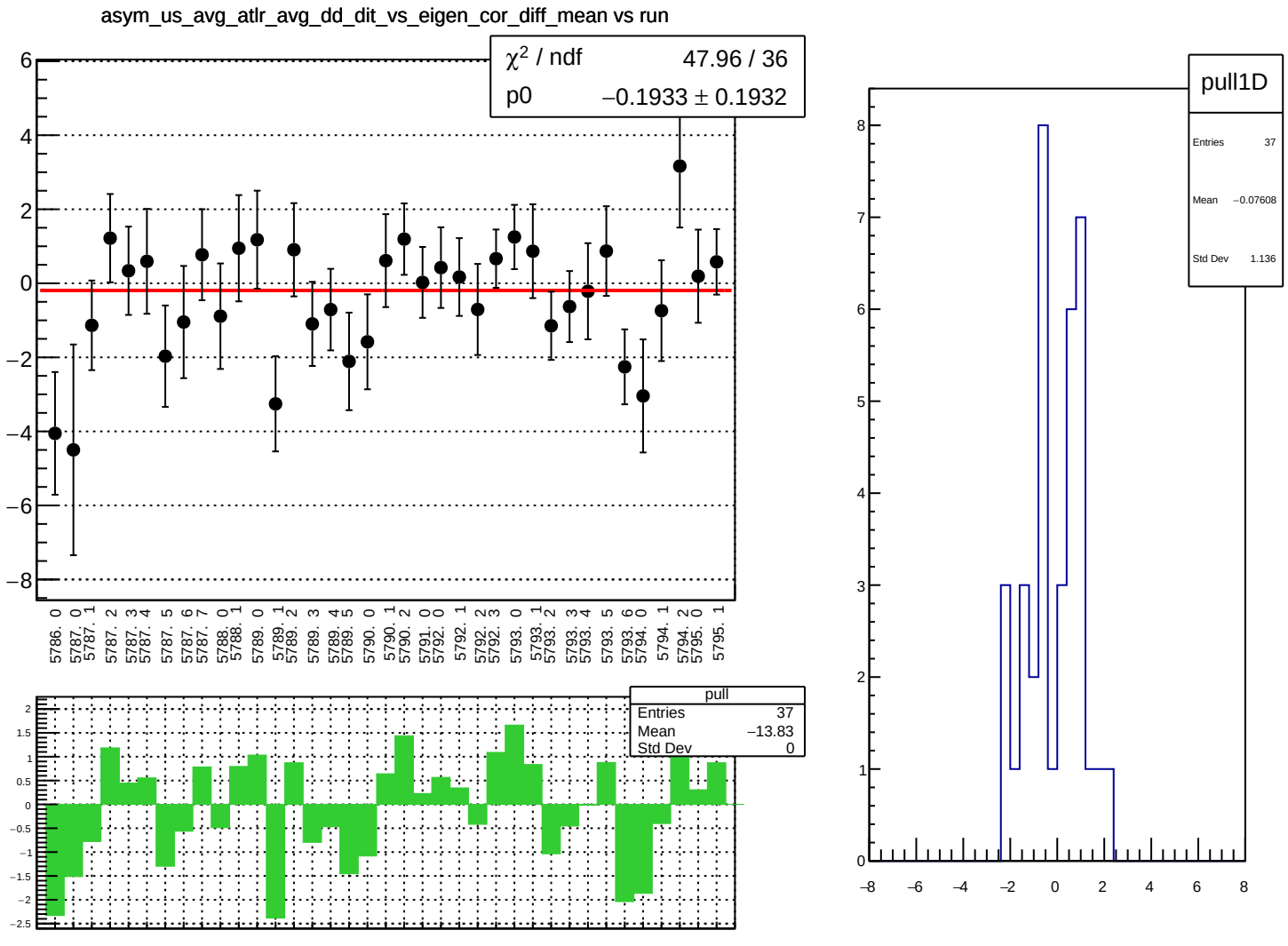

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 50.44 / 36
p0 −1.805e−13 ± 3.88e−13
0.004
0.002
0
−0.002
−0.004
−0.006
−0.008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 30.73
Std Dev 8.159
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.06505
Std Dev 1.166
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

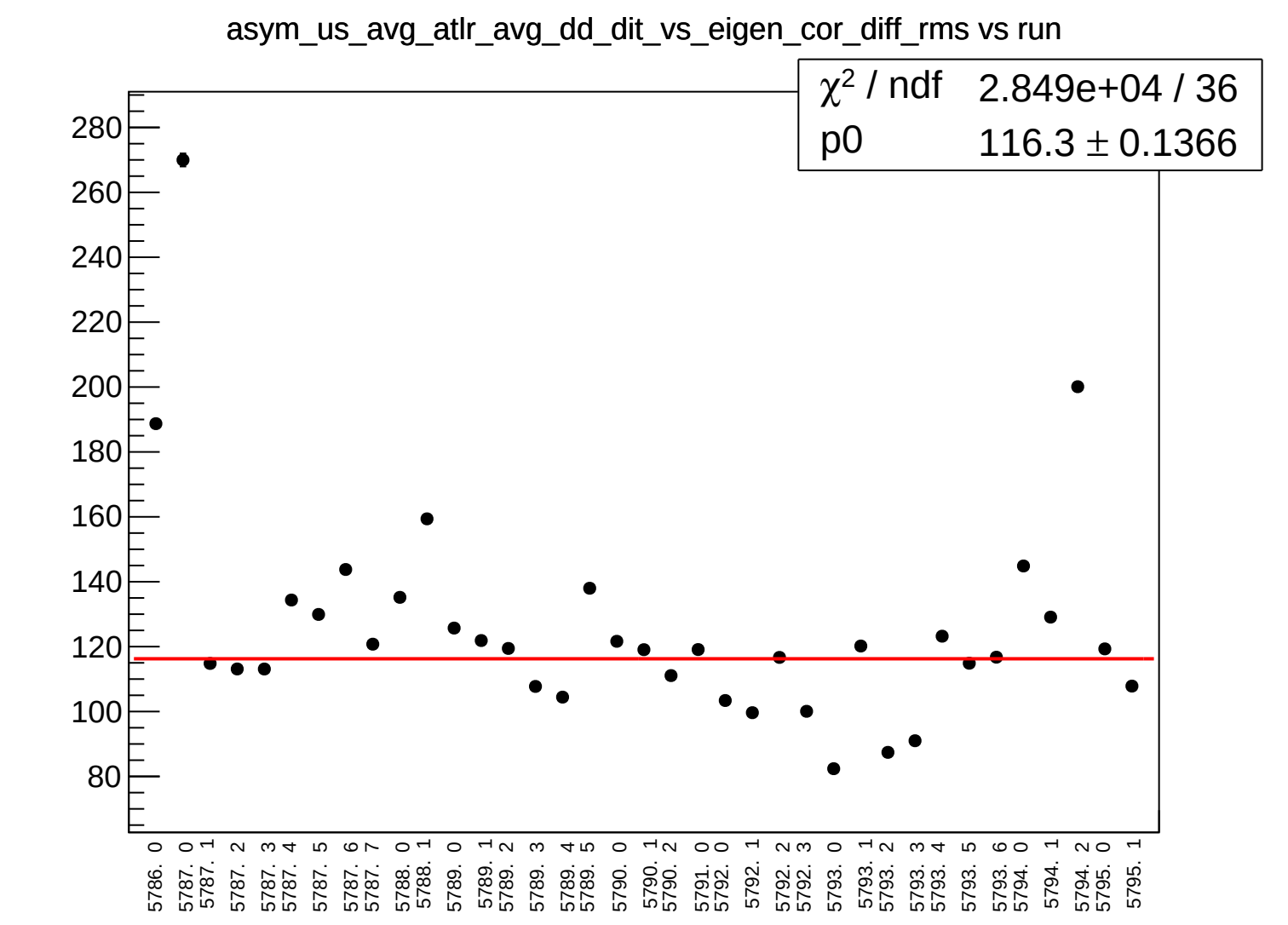

asym_us_avg_atlr_avg_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.523e+05 / 36
p0 1.737e−10 ± 2.744e−13
0.35
0.3
0.25
0.2
0.15
0.1
0.05
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

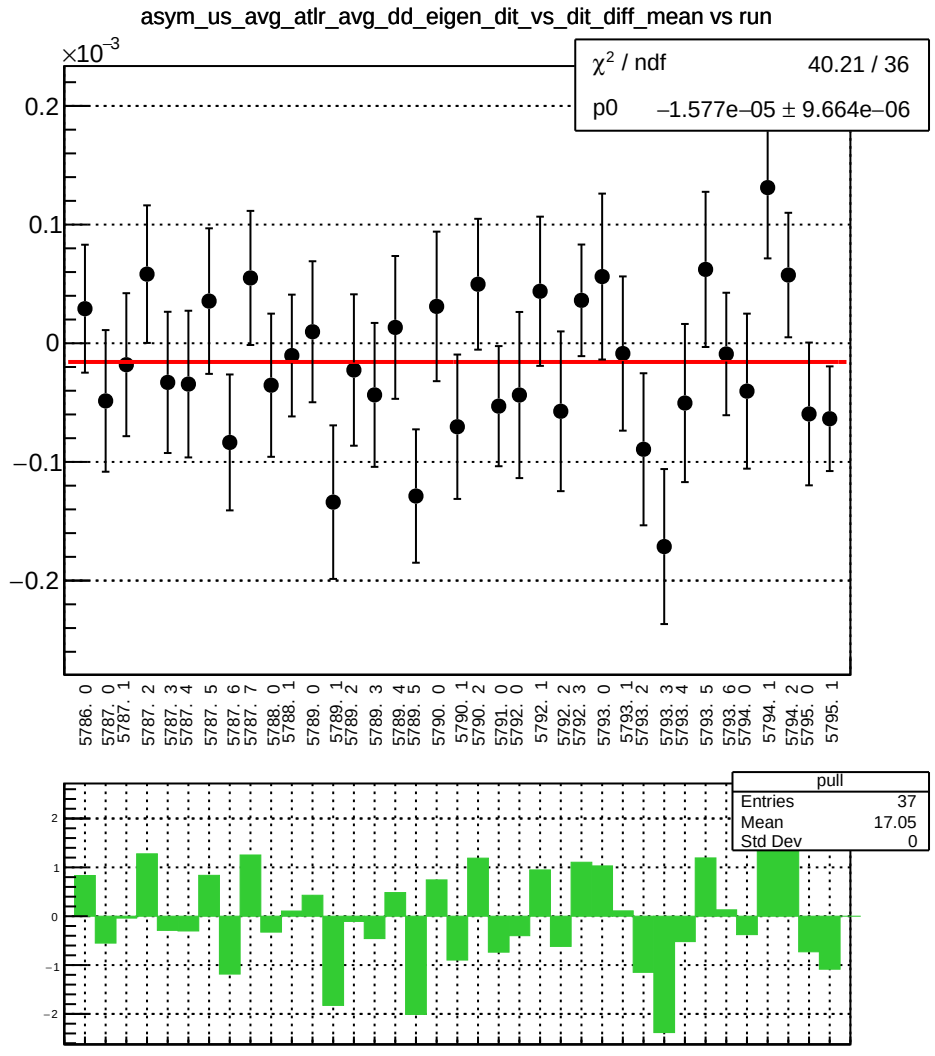

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.96 / 36
p0 −0.1933 ± 0.1932
pull
Entries 37
Mean −13.83
Std Dev 0

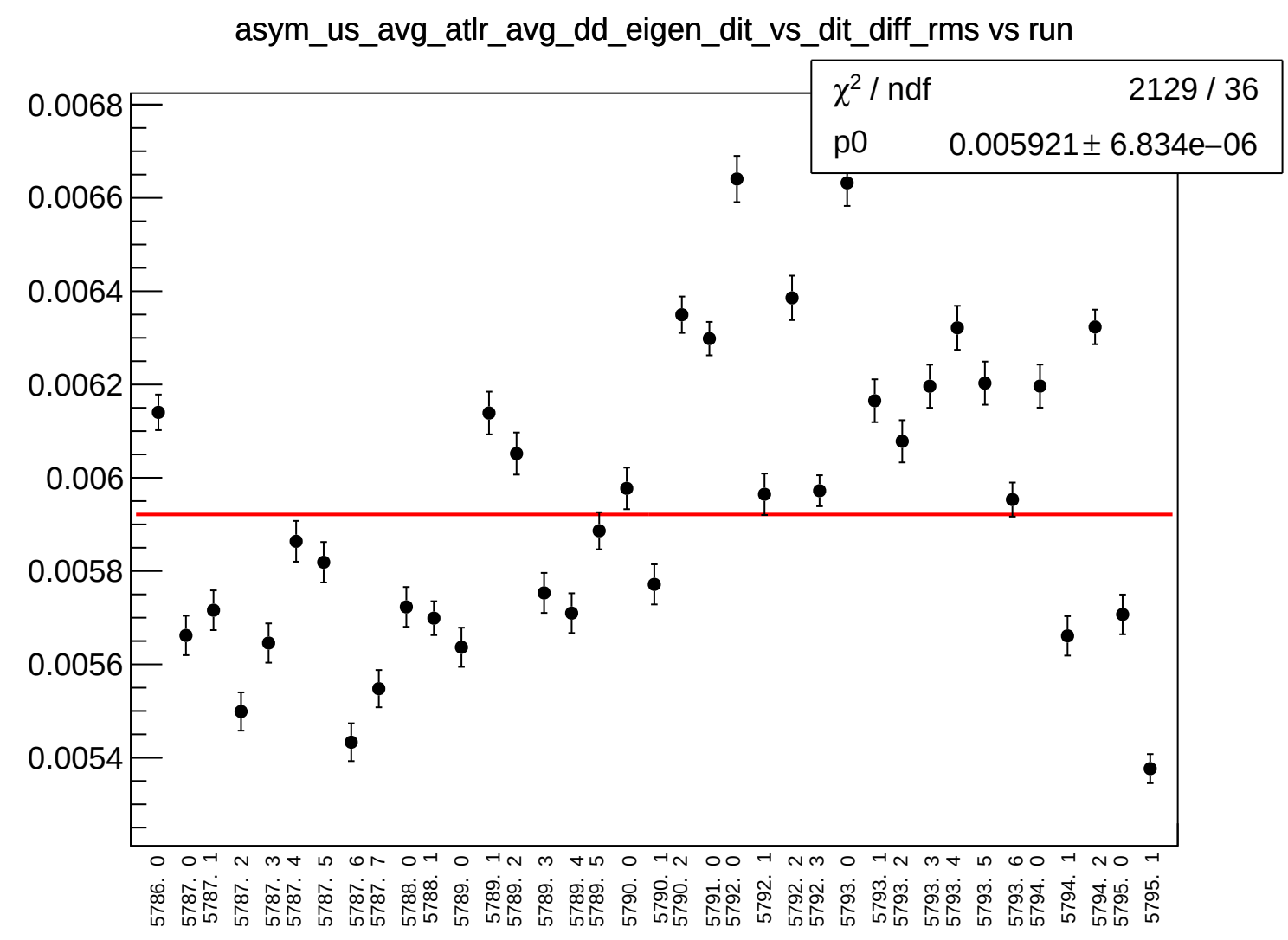

pull1D
Entries 37
Mean −0.07608
Std Dev 1.136

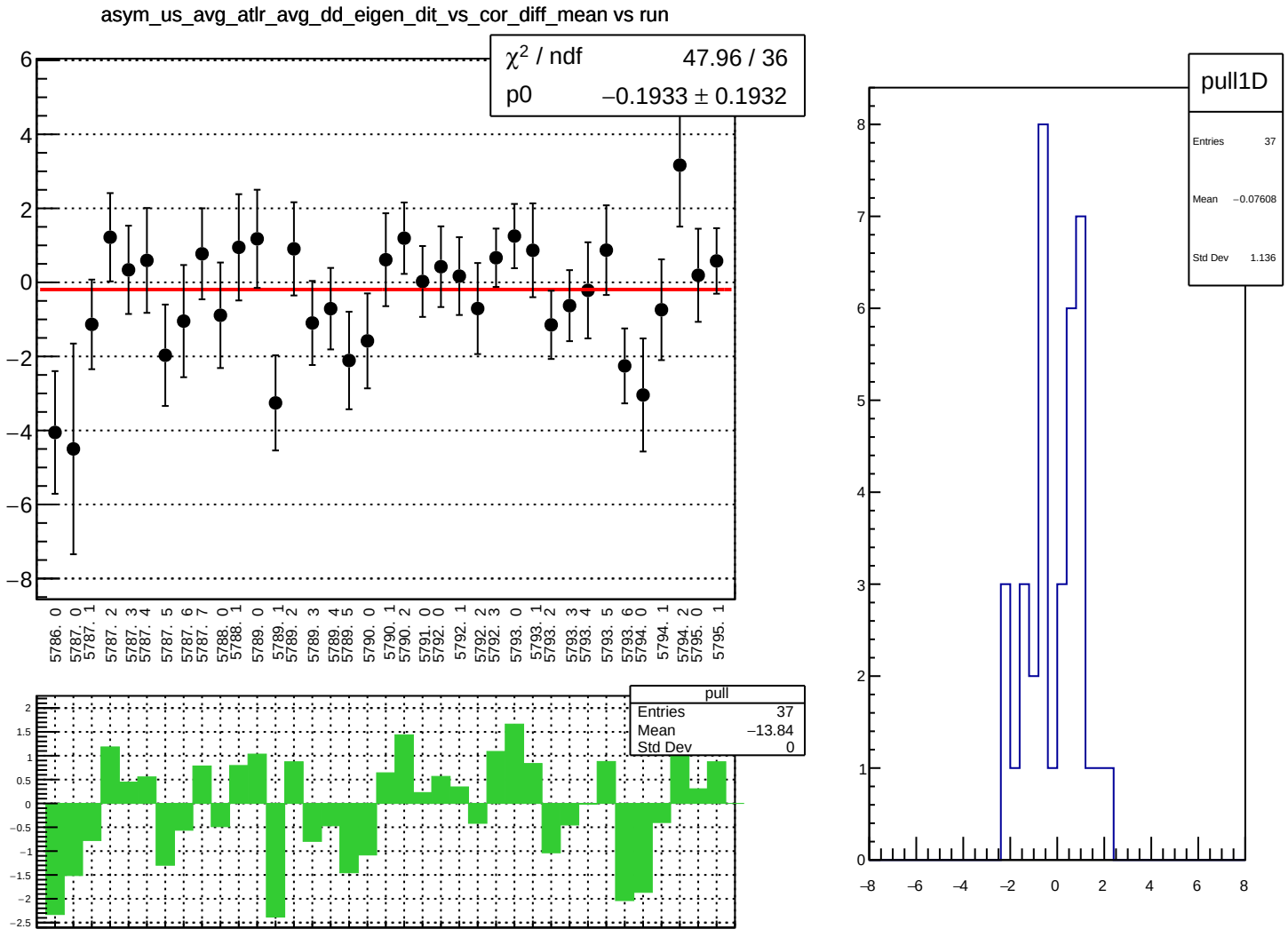

asym_us_avg_atlr_avg_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.849e+04 / 36
p0 116.3 ± 0.1366
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

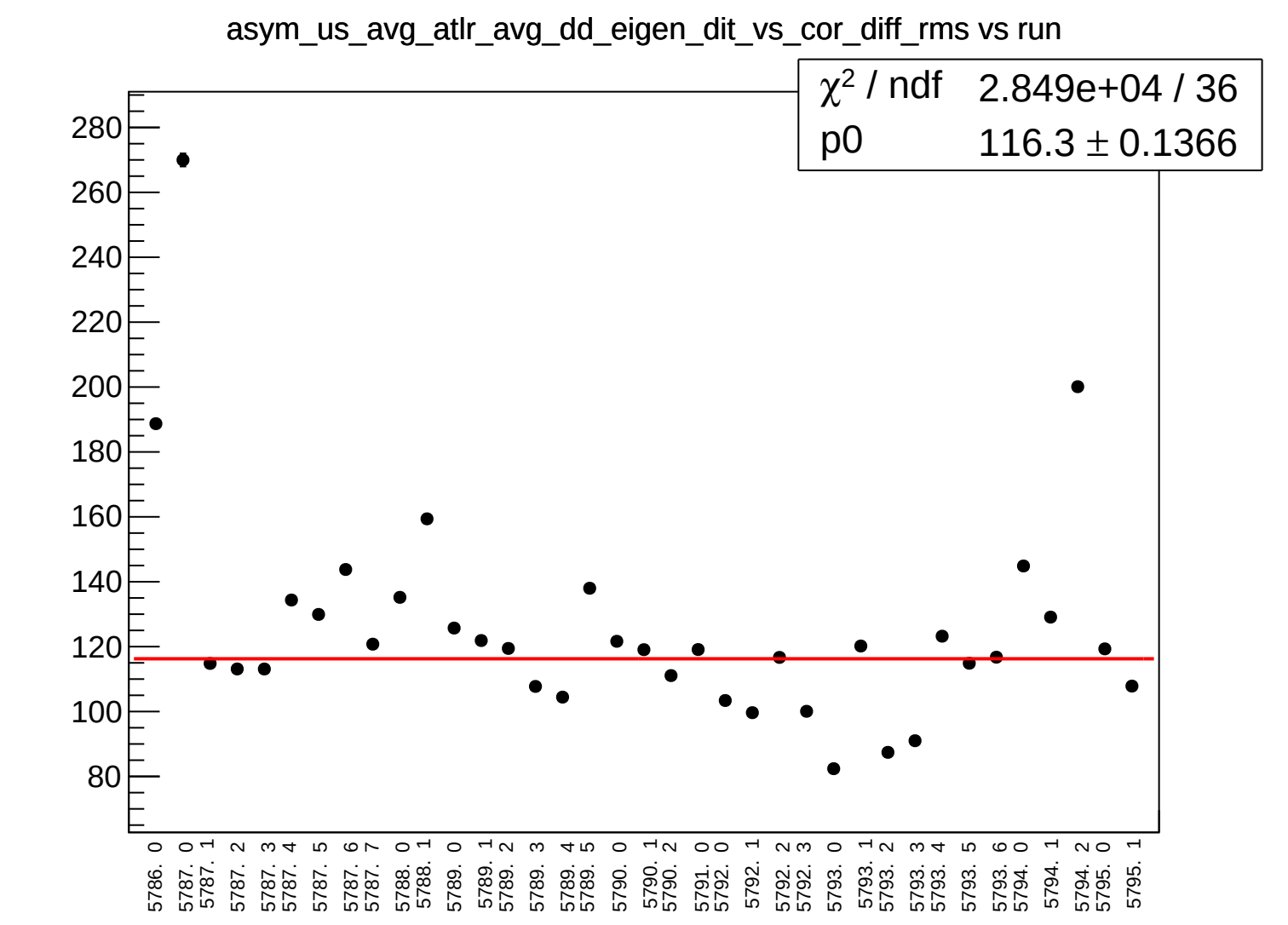

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.96 / 36
p0 −0.1933 ± 0.1932
pull
Entries 37
Mean −13.83
Std Dev 0
pull1D
Entries 37
Mean −0.07608
Std Dev 1.136

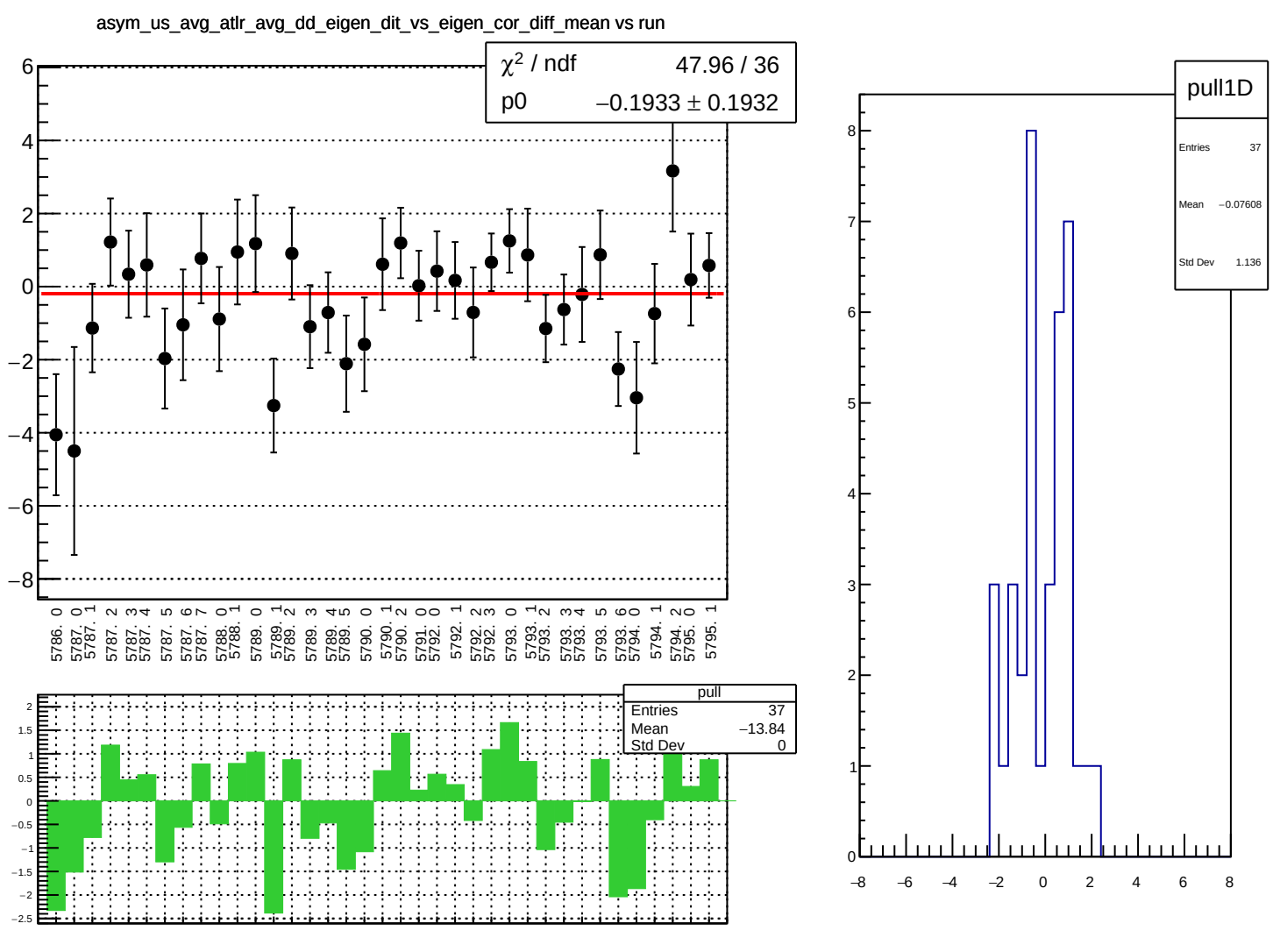

asym_us_avg_atlr_avg_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.849e+04 / 36
p0 116.3 ± 0.1366
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

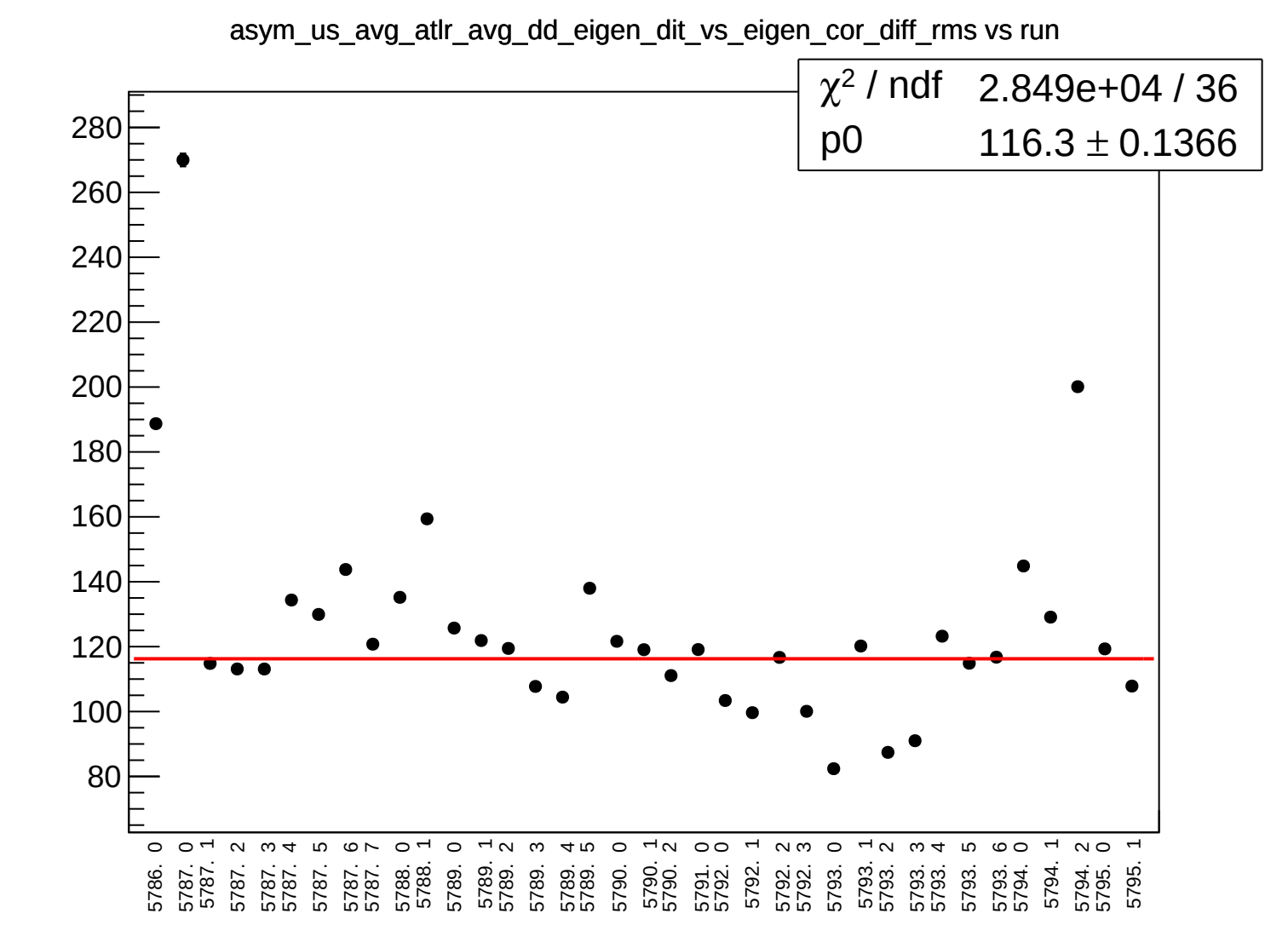

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.21 / 36
p0 −1.577e−05 ± 9.664e−06
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.05
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01217
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

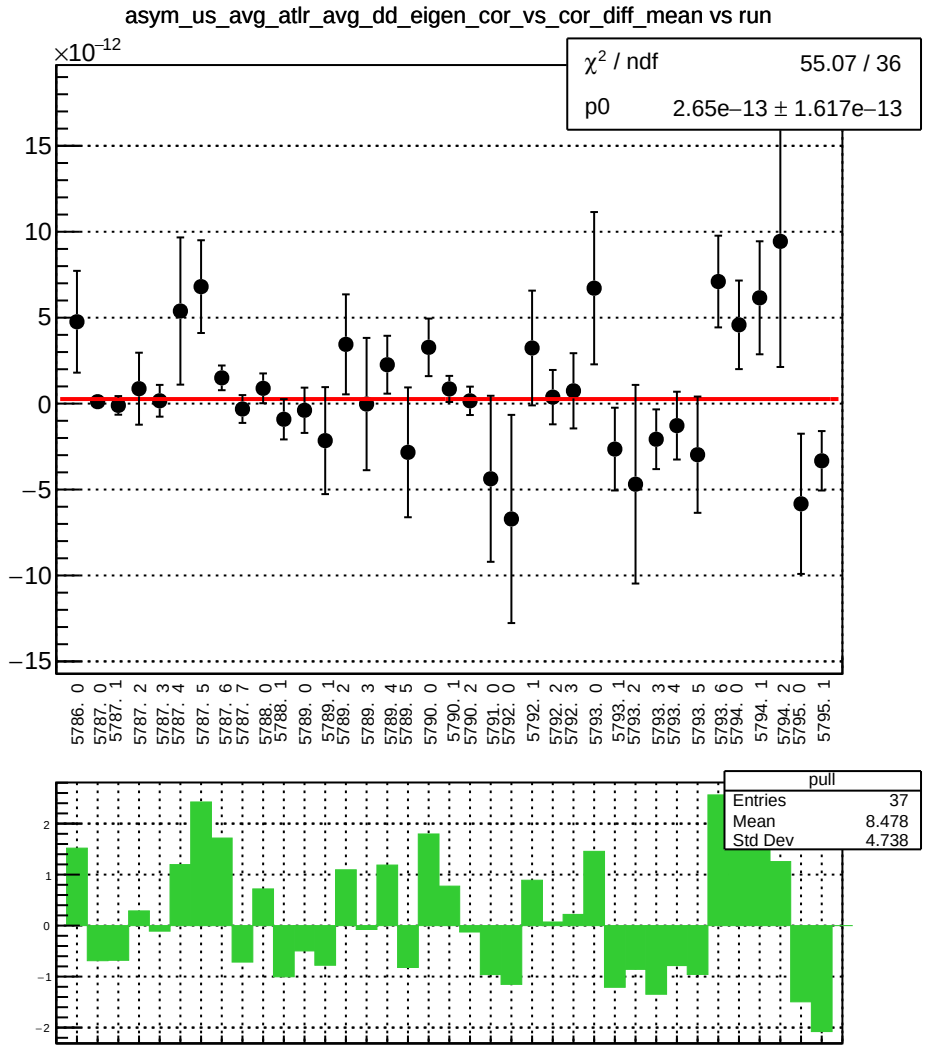

asym_us_avg_atlr_avg_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2129 / 36
p0 0.005921 ± 6.834e−06
0.0068
0.0066
0.0064
0.0062
0.006
0.0058
0.0056
0.0054
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

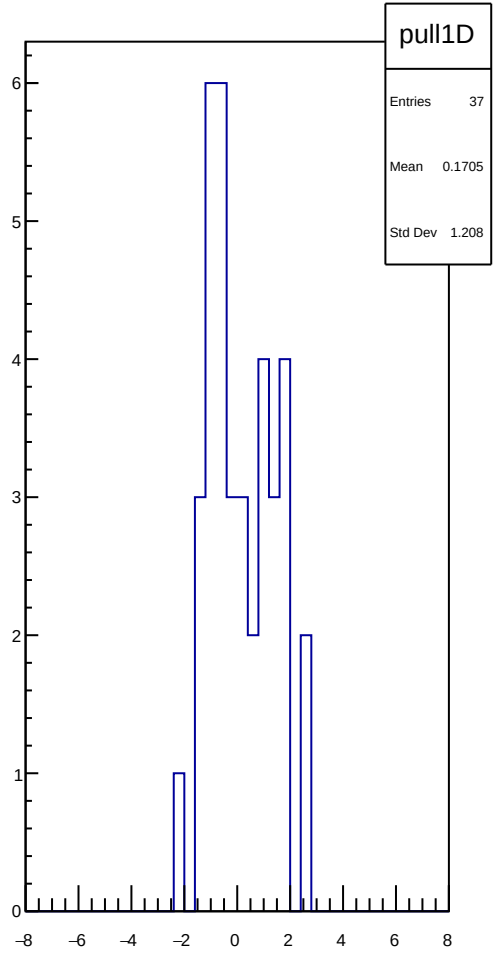

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.96 / 36
p0 −0.1933 ± 0.1932
pull
Entries 37
Mean −13.84
Std Dev 0
pull1D
Entries 37
Mean −0.07608
Std Dev 1.136

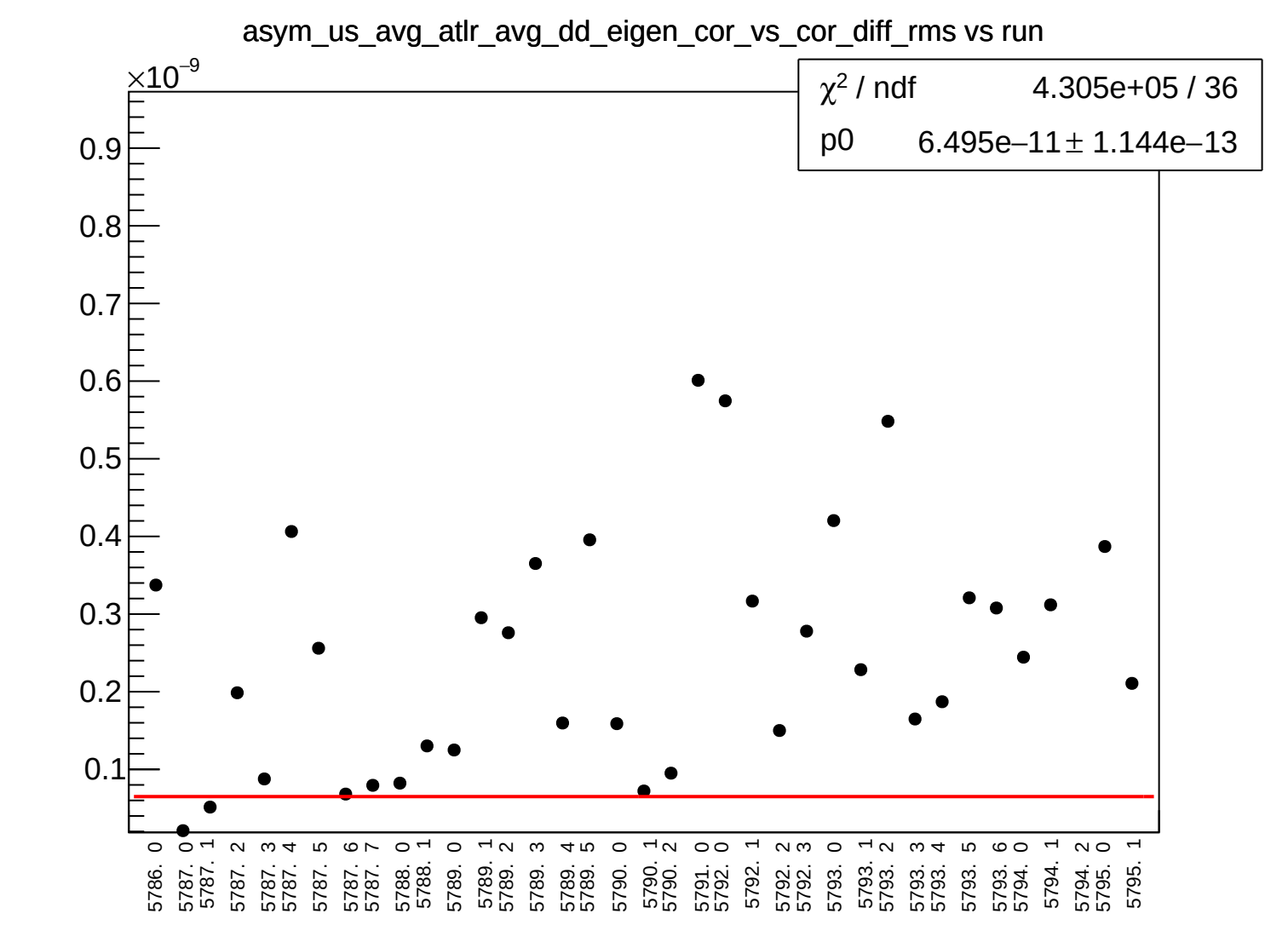

asym_us_avg_atlr_avg_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.849e+04 / 36
p0 116.3 ± 0.1366
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

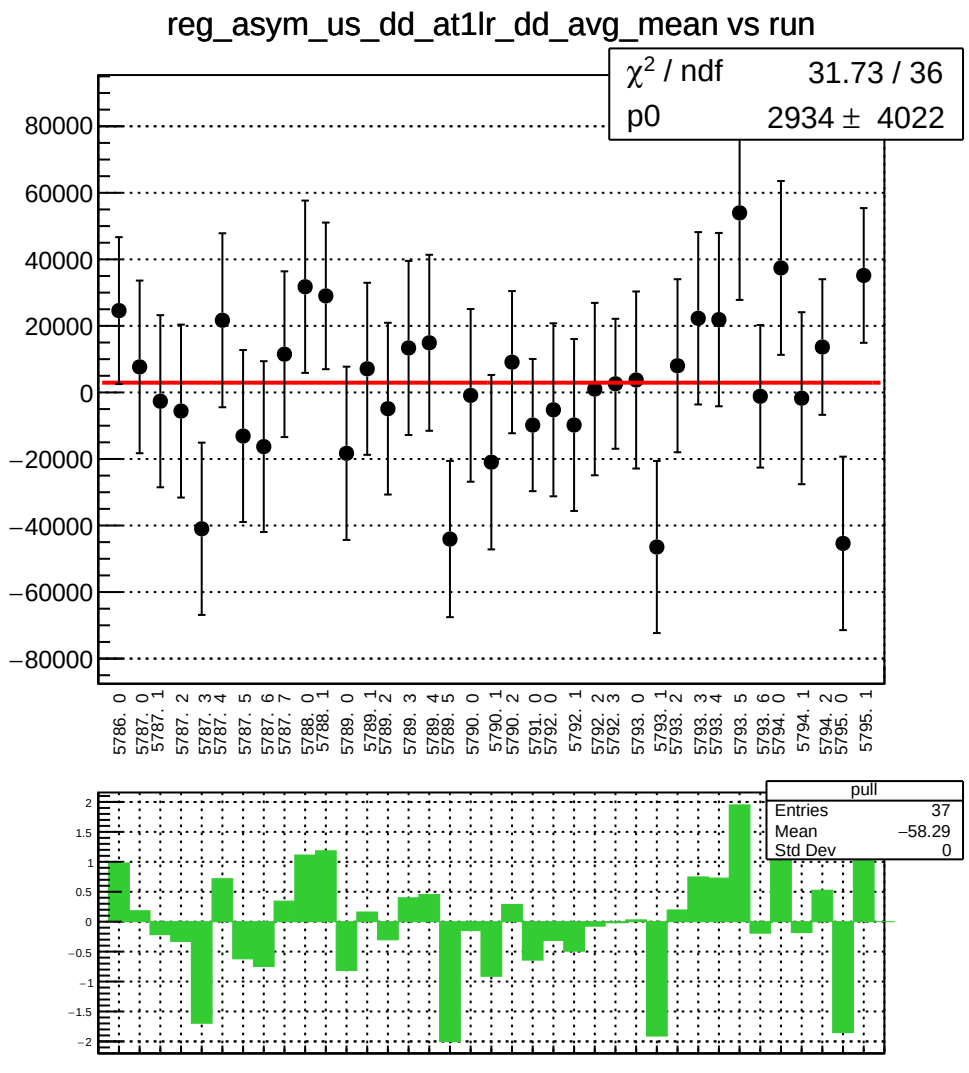

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.96 / 36
p0 −0.1933 ± 0.1932
pull
Entries 37
Mean −13.84
Std Dev 0
pull1D
Entries 37
Mean −0.07608
Std Dev 1.136

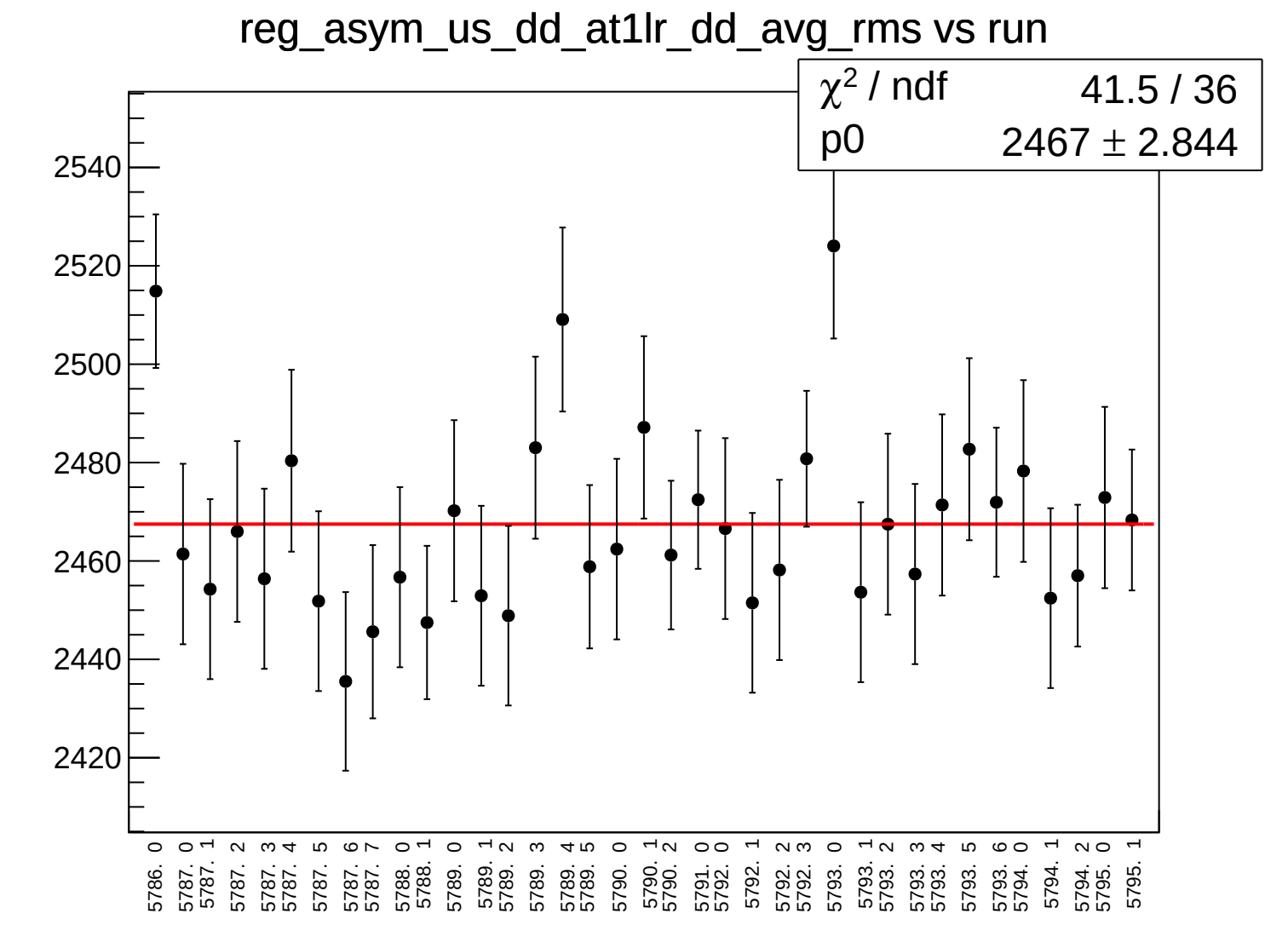

asym_us_avg_atlr_avg_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.849e+04 / 36
p0 116.3 ± 0.1366
280
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

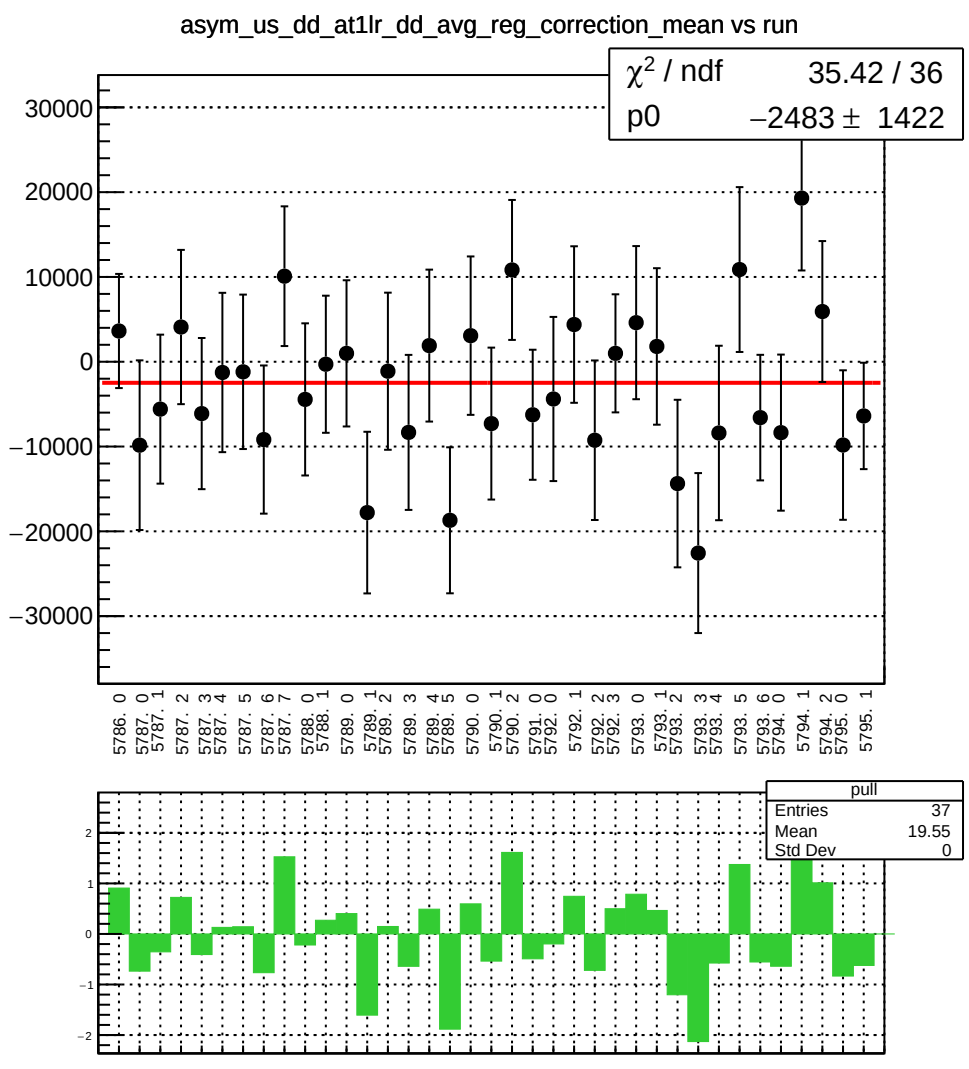

asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 55.07 / 36
p0 2.65e−13 ± 1.617e−13
pull
Entries 37
Mean 8.478
Std Dev 4.738

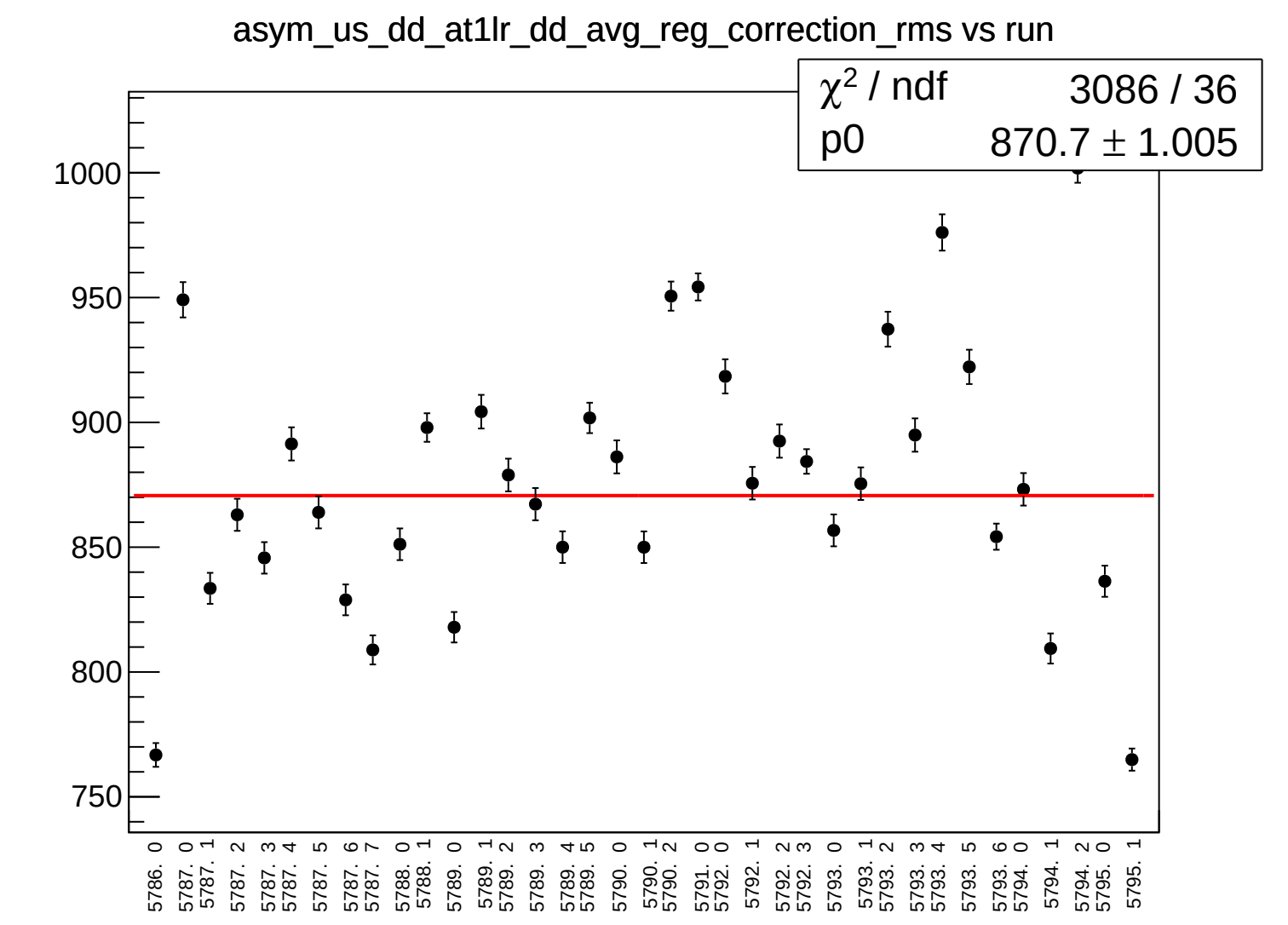

pull1D
Entries 37
Mean 0.1705
Std Dev 1.208


asym_us_avg_atlr_avg_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.305e+05 / 36
p0 6.495e−11 ± 1.144e−13
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 31.73 / 36
p0 2934 ± 4022
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −58.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01487
Std Dev 0.9259
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 41.5 / 36
p0 2467 ± 2.844
2540
2520
2500
2480
2460
2440
2420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_at1lr_dd_avg_reg_correction_mean vs run
χ² / ndf 35.42 / 36
p0 −2483 ± 1422
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 19.55
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01975
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_reg_correction_rms vs run
χ² / ndf 3086 / 36
p0 870.7 ± 1.005
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
5794. 0
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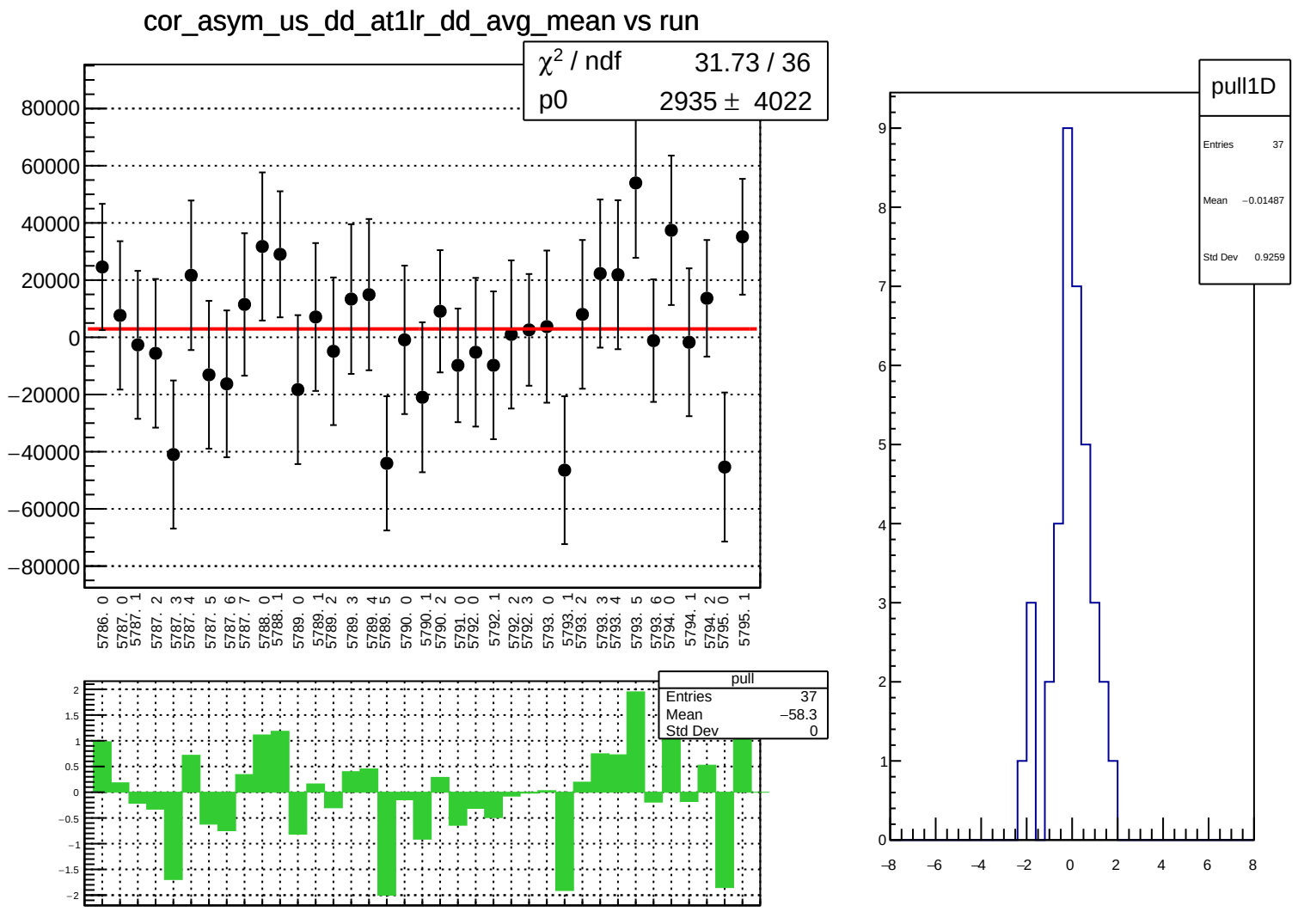
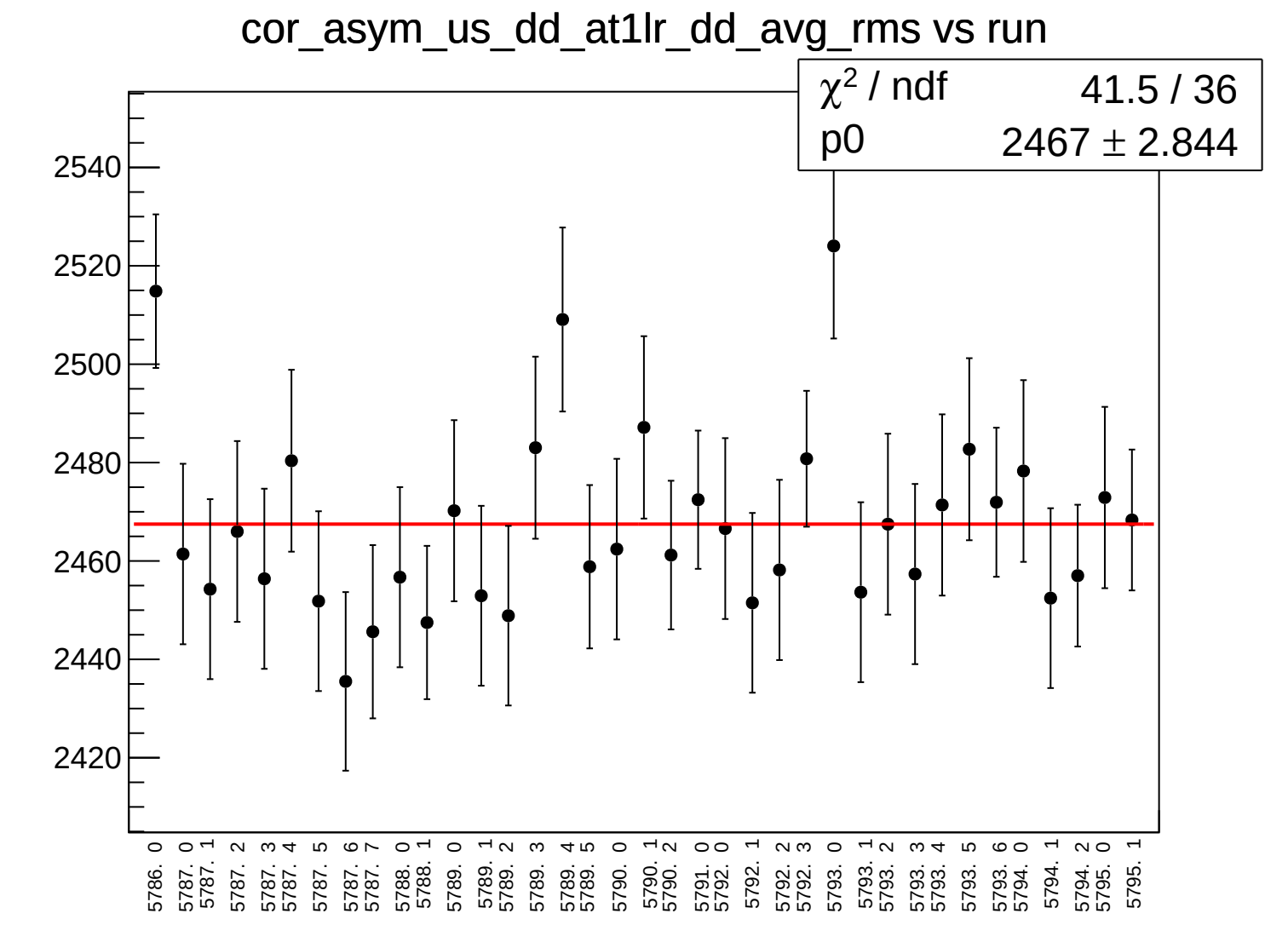
5795. 0
5795. 1


cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 31.73 / 36
p0 2935 ± 4022
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −58.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01487
Std Dev 0.9259
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 41.5 / 36
p0 2467 ± 2.844
2540
2520
2500
2480
2460
2440
2420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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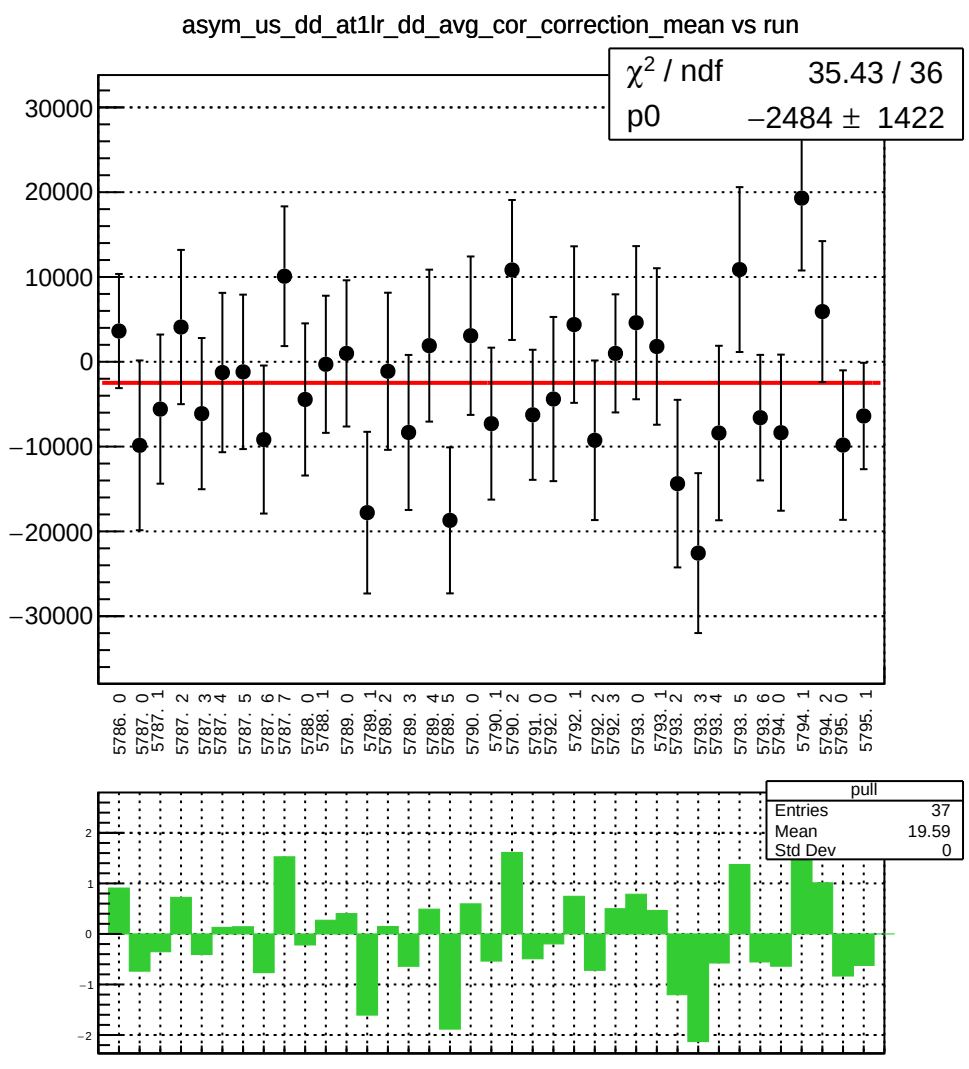
5794. 2
5795. 0
5795. 1


asym_us_dd_at1lr_dd_avg_cor_correction_mean vs run
χ² / ndf 35.43 / 36
p0 −2484 ± 1422
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5792. 2
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5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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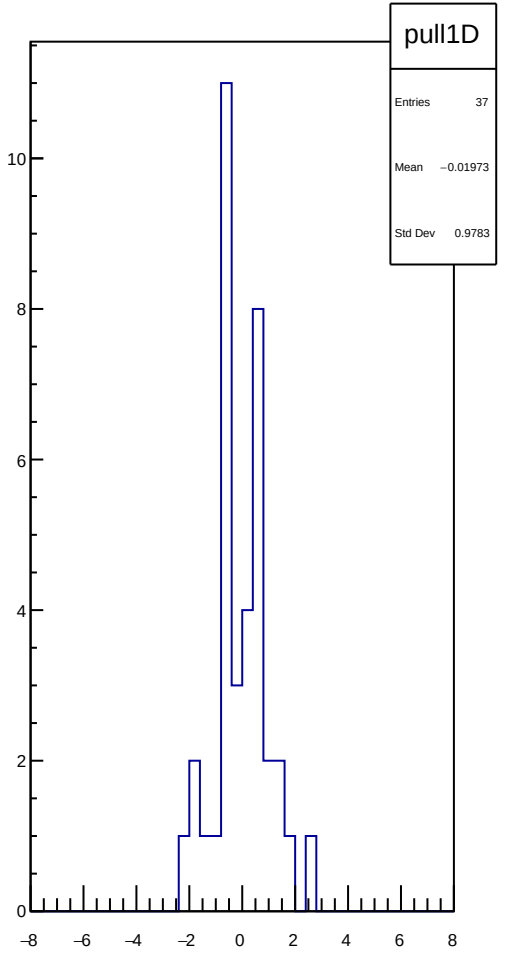
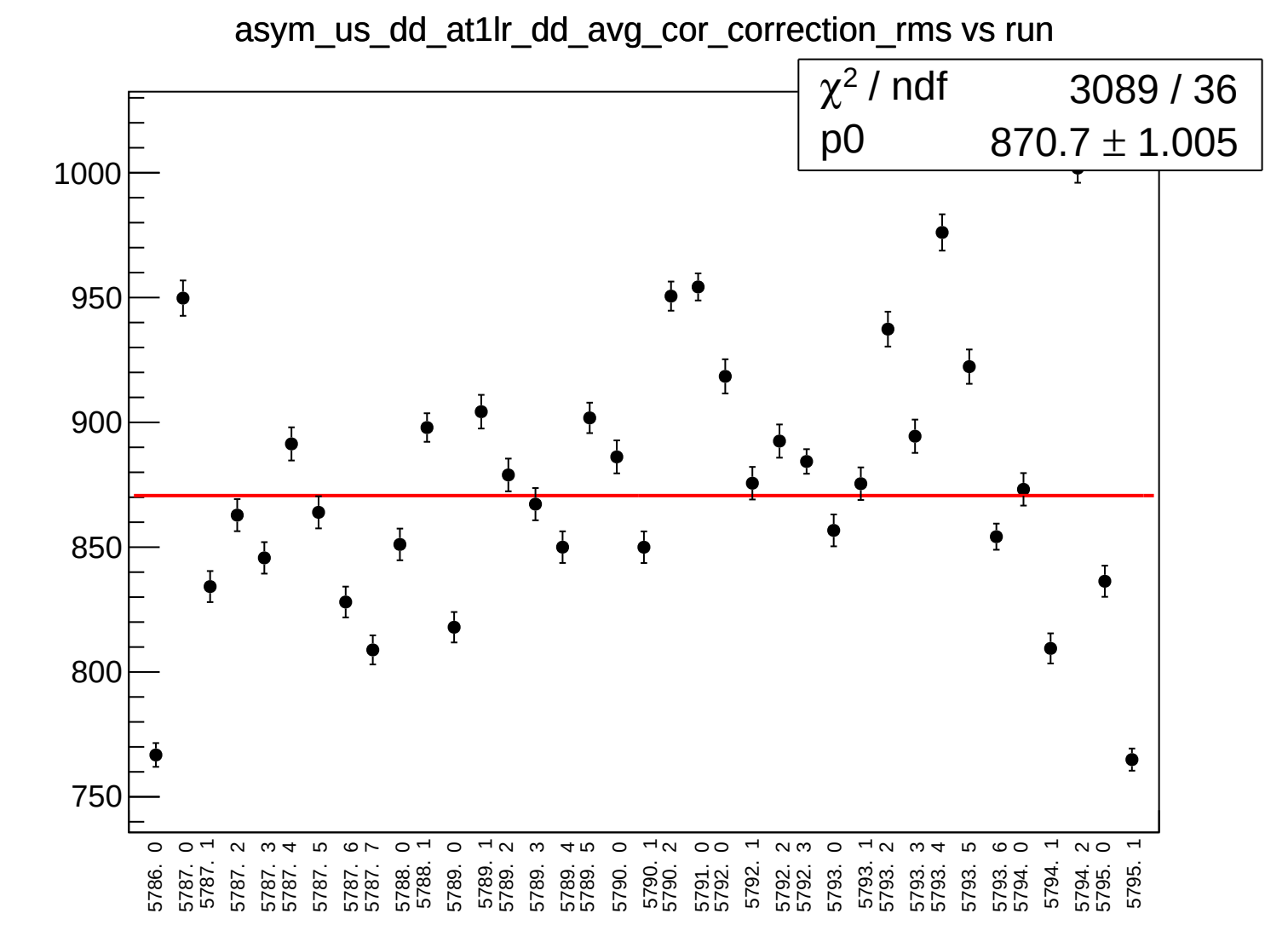
5795. 1
pull
Entries 37
Mean 19.59
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01973
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_cor_correction_rms vs run
χ² / ndf 3089 / 36
p0 870.7 ± 1.005
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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5794. 2
5795. 0
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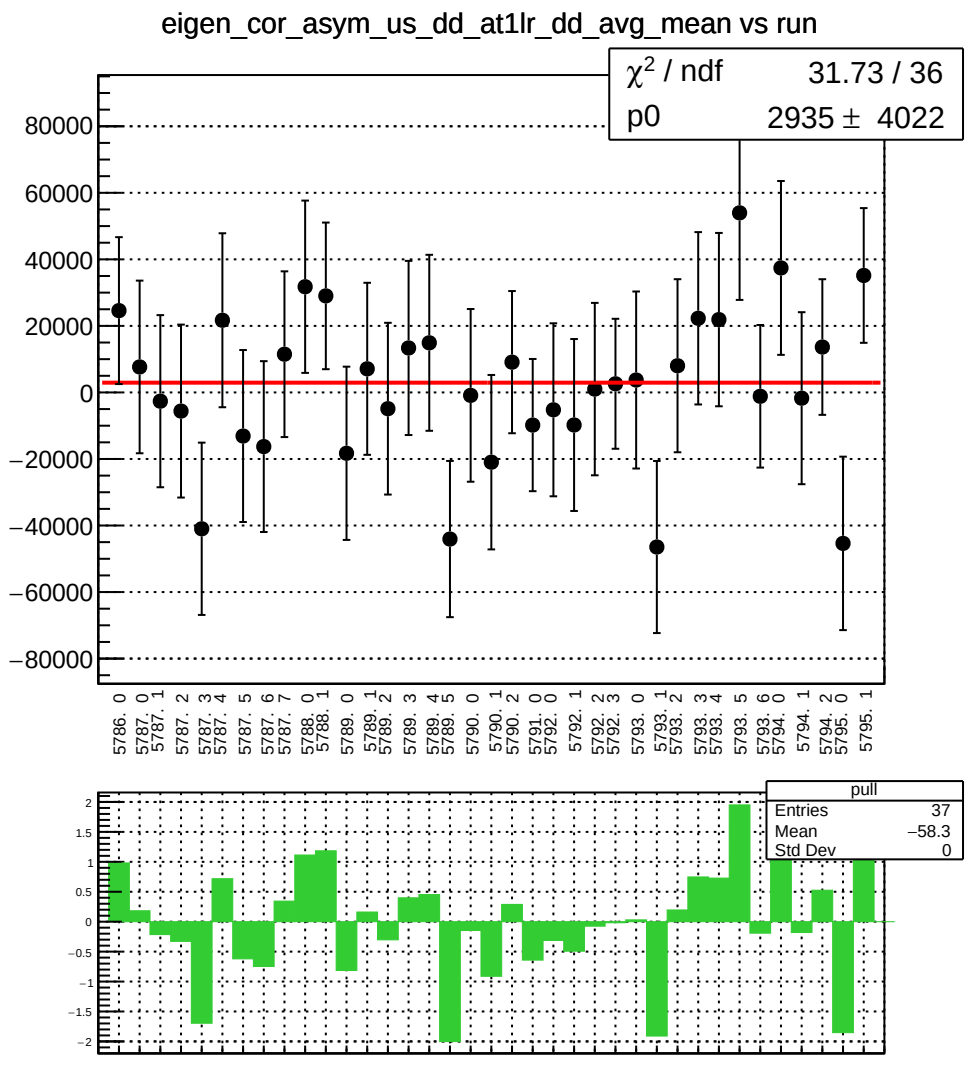
eigen_cor_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 31.73 / 36
p0 2935 ± 4022
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5792. 2
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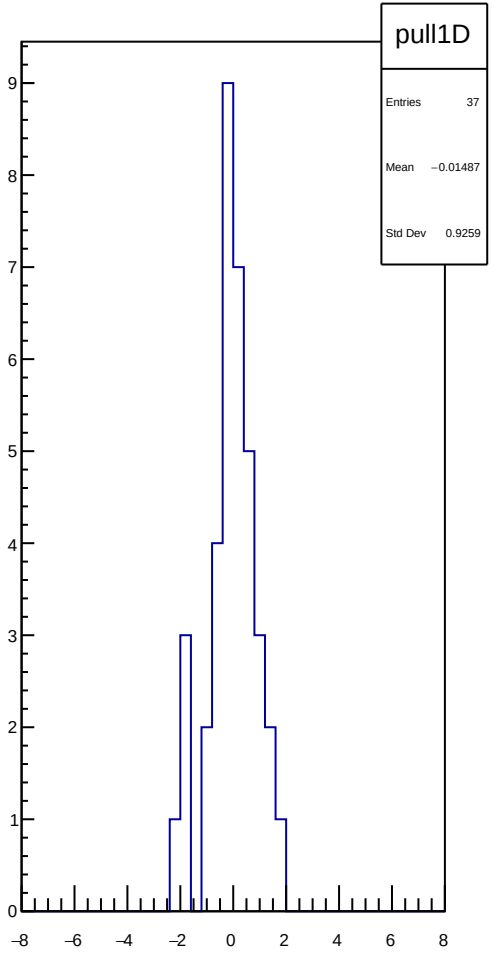
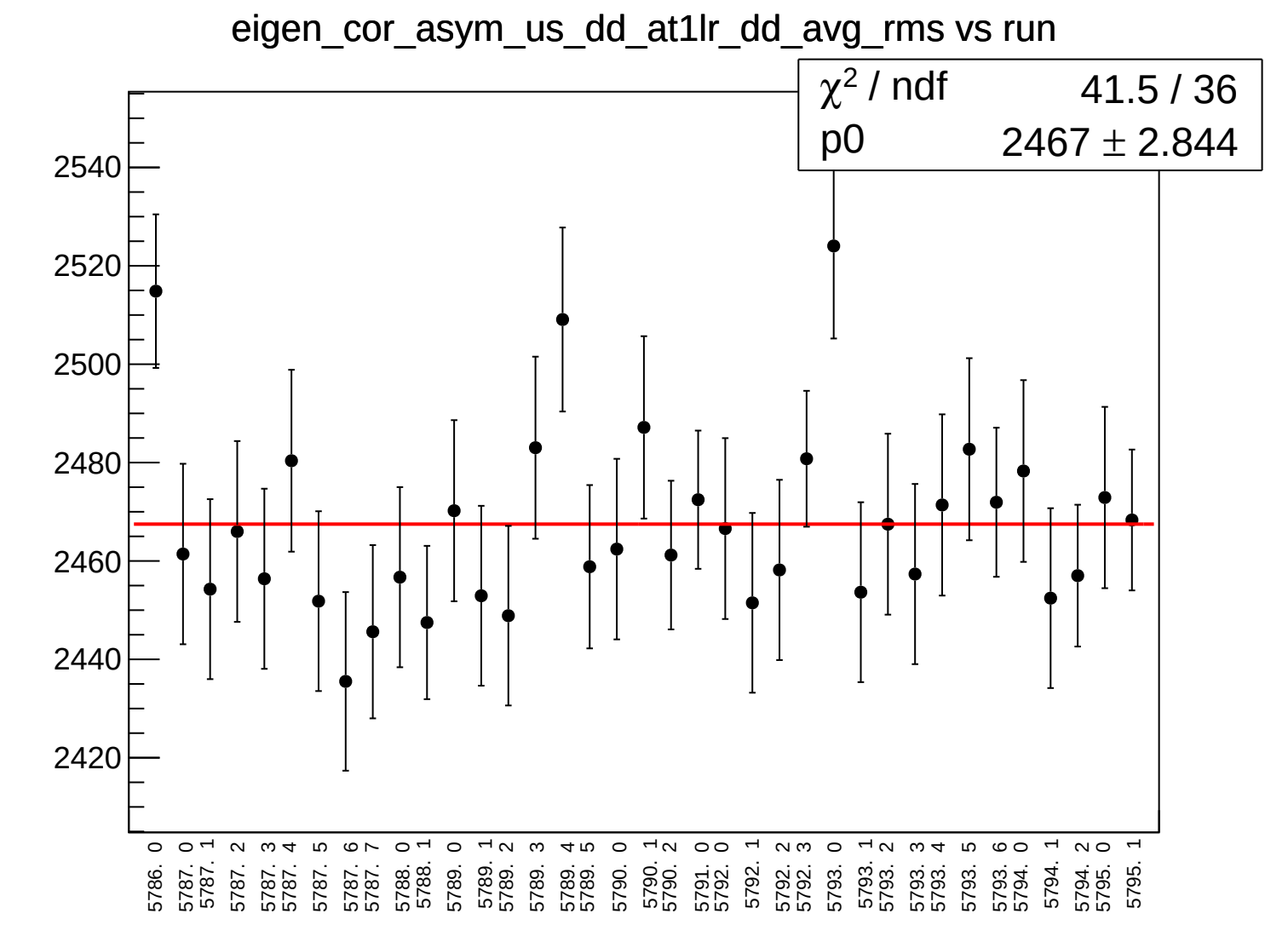
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −58.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01487
Std Dev 0.9259
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 41.5 / 36
p0 2467 ± 2.844
2540
2520
2500
2480
2460
2440
2420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 3
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5794. 0
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5795. 0
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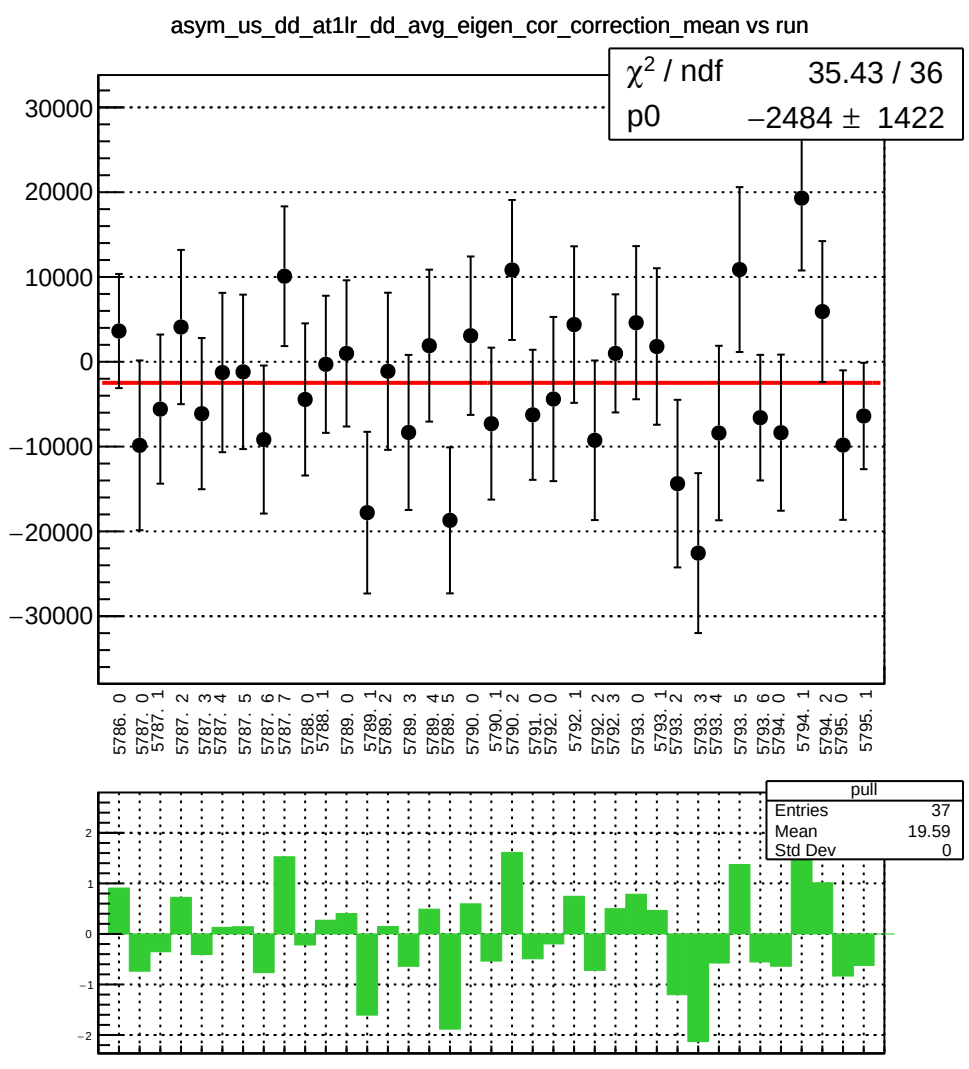
asym_us_dd_at1lr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 35.43 / 36
p0 −2484 ± 1422
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
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5792. 2
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5793. 0
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5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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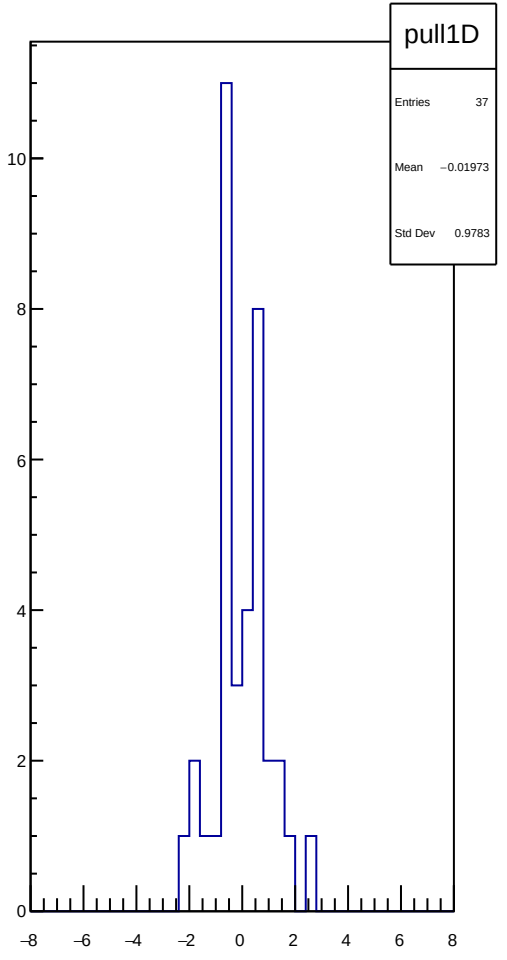
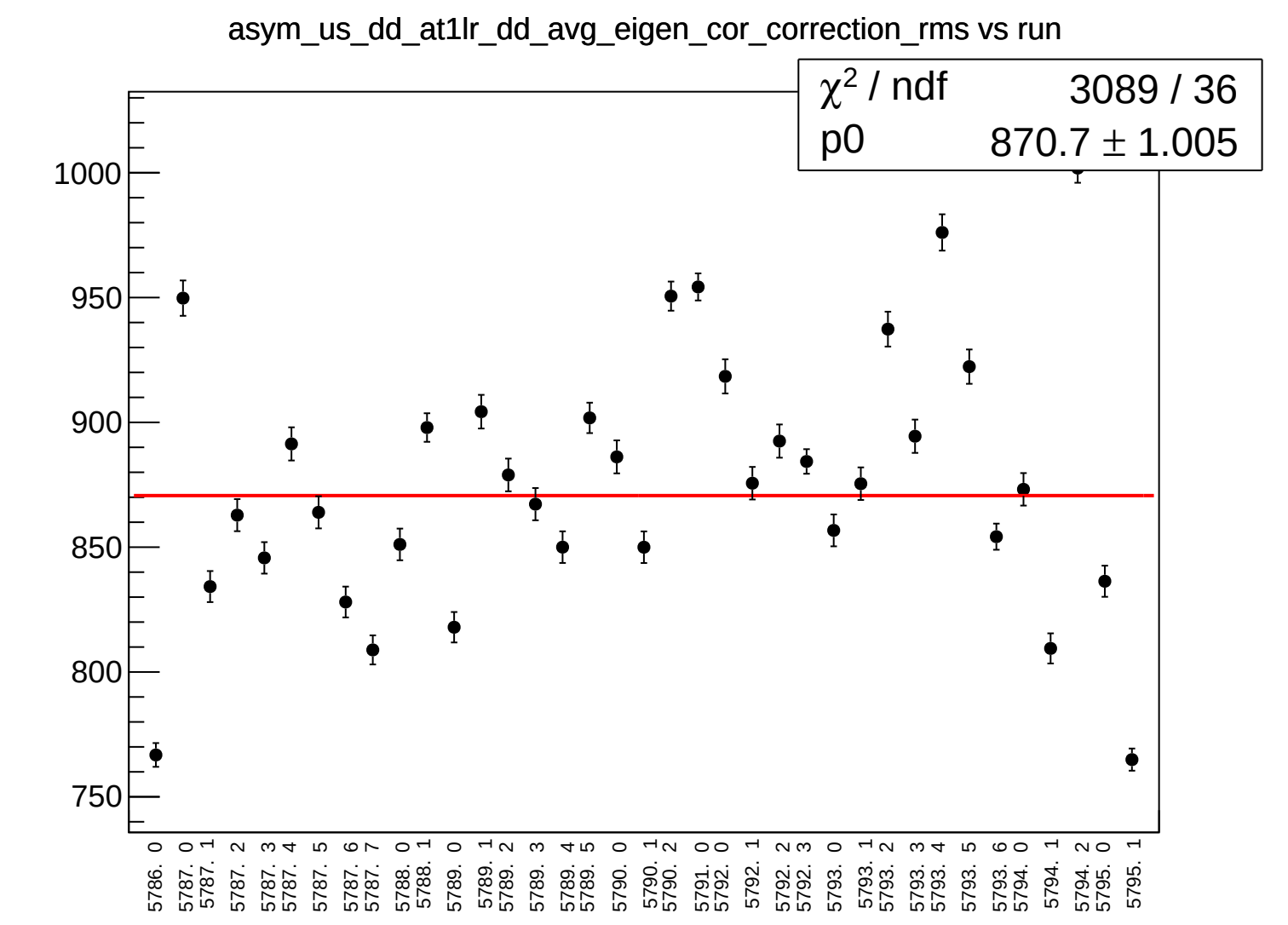
5795. 0
5795. 1
pull
Entries 37
Mean 19.59
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01973
Std Dev 0.9783
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3089 / 36
p0 870.7 ± 1.005
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
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5793. 0
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5795. 0
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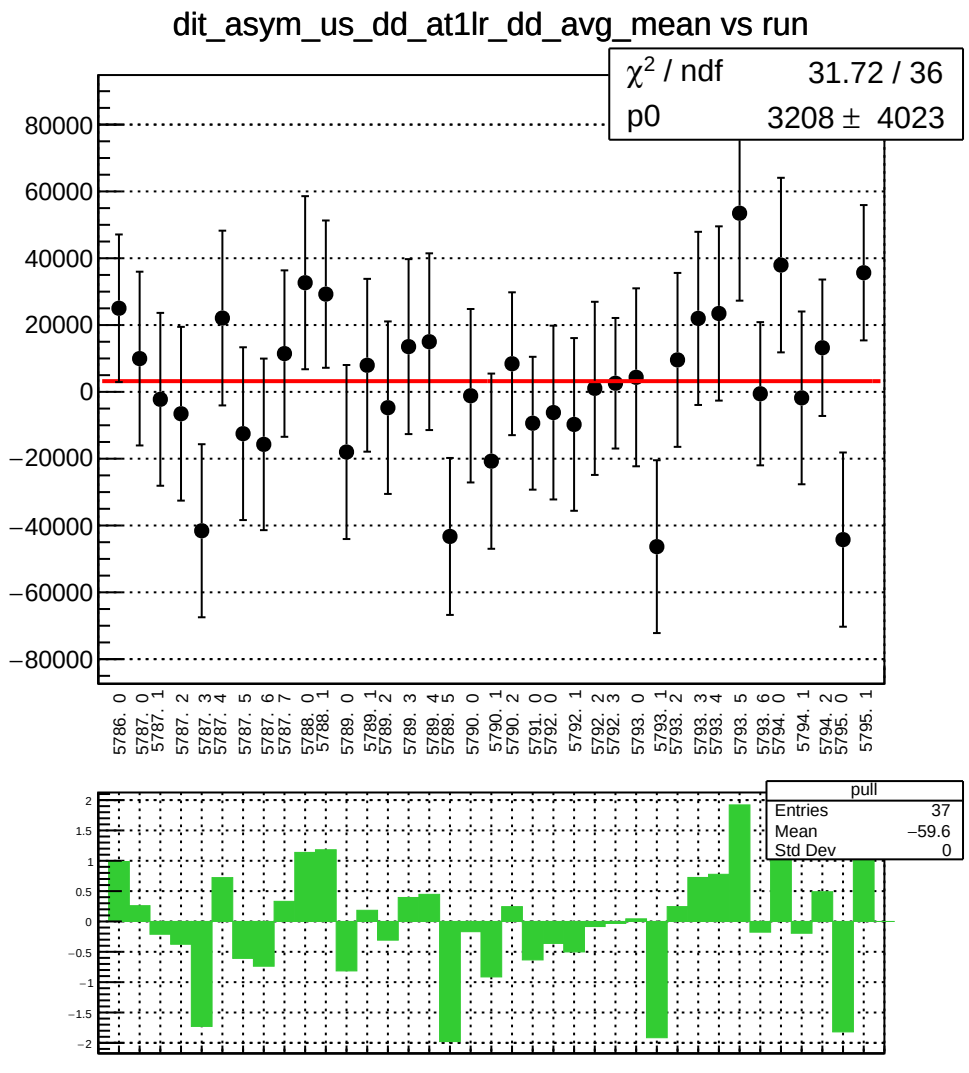
dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 31.72 / 36
p0 3208 ± 4023
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
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5789. 5
5790. 0
5790. 1
5790. 2
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5792. 1
5792. 2
5792. 3
5793. 0
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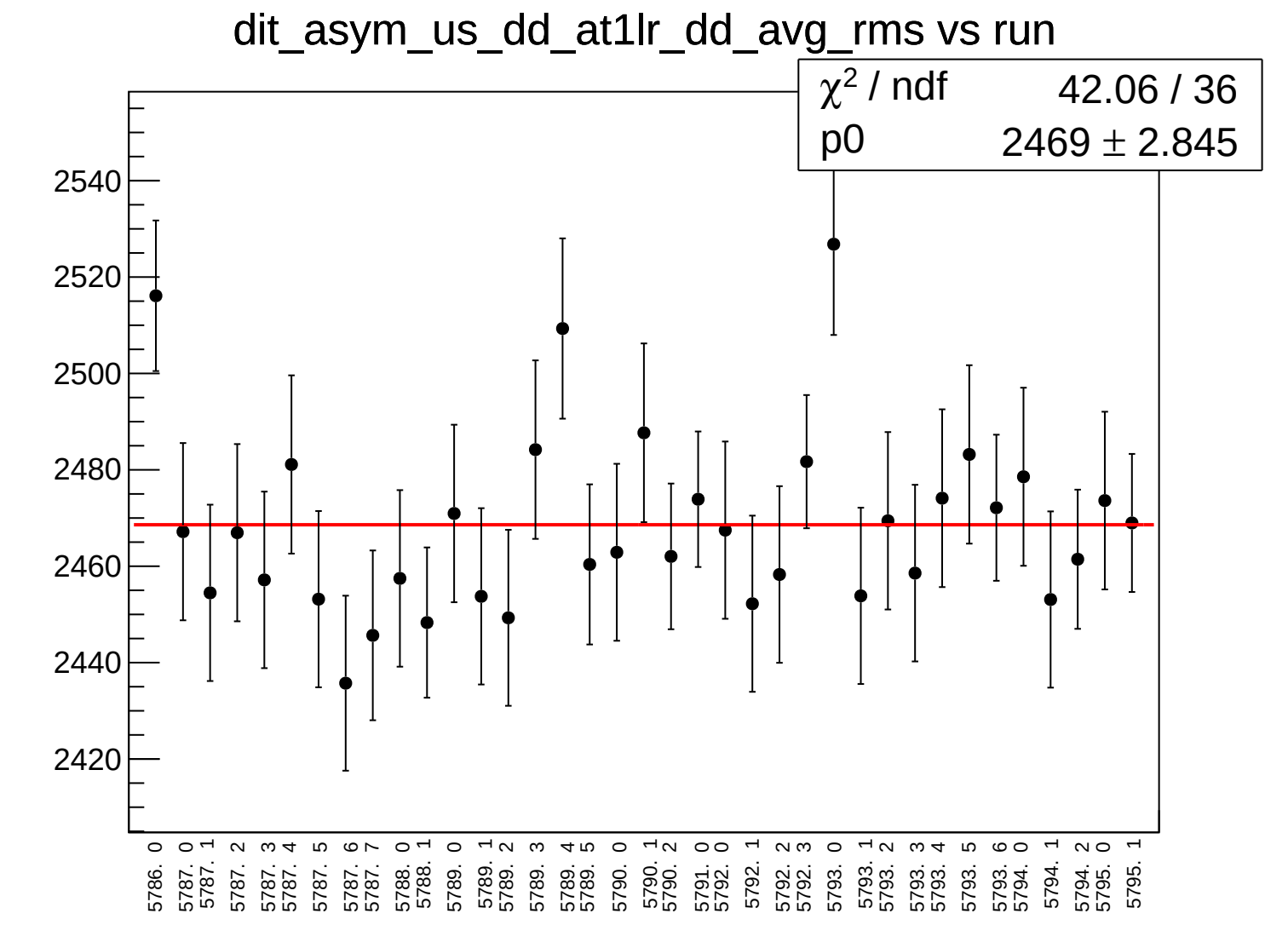
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −59.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01448
Std Dev 0.9259
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 42.06 / 36
p0 2469 ± 2.845
2540
2520
2500
2480
2460
2440
2420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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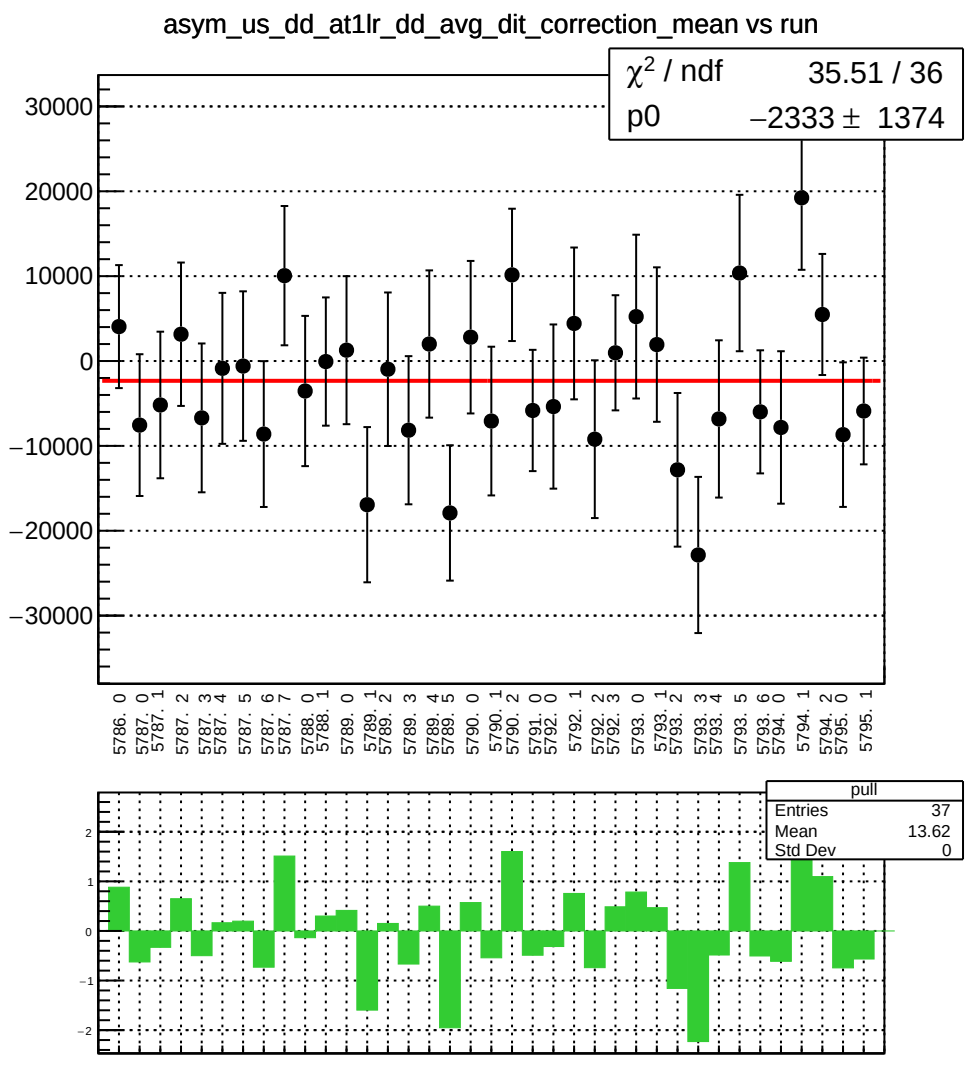
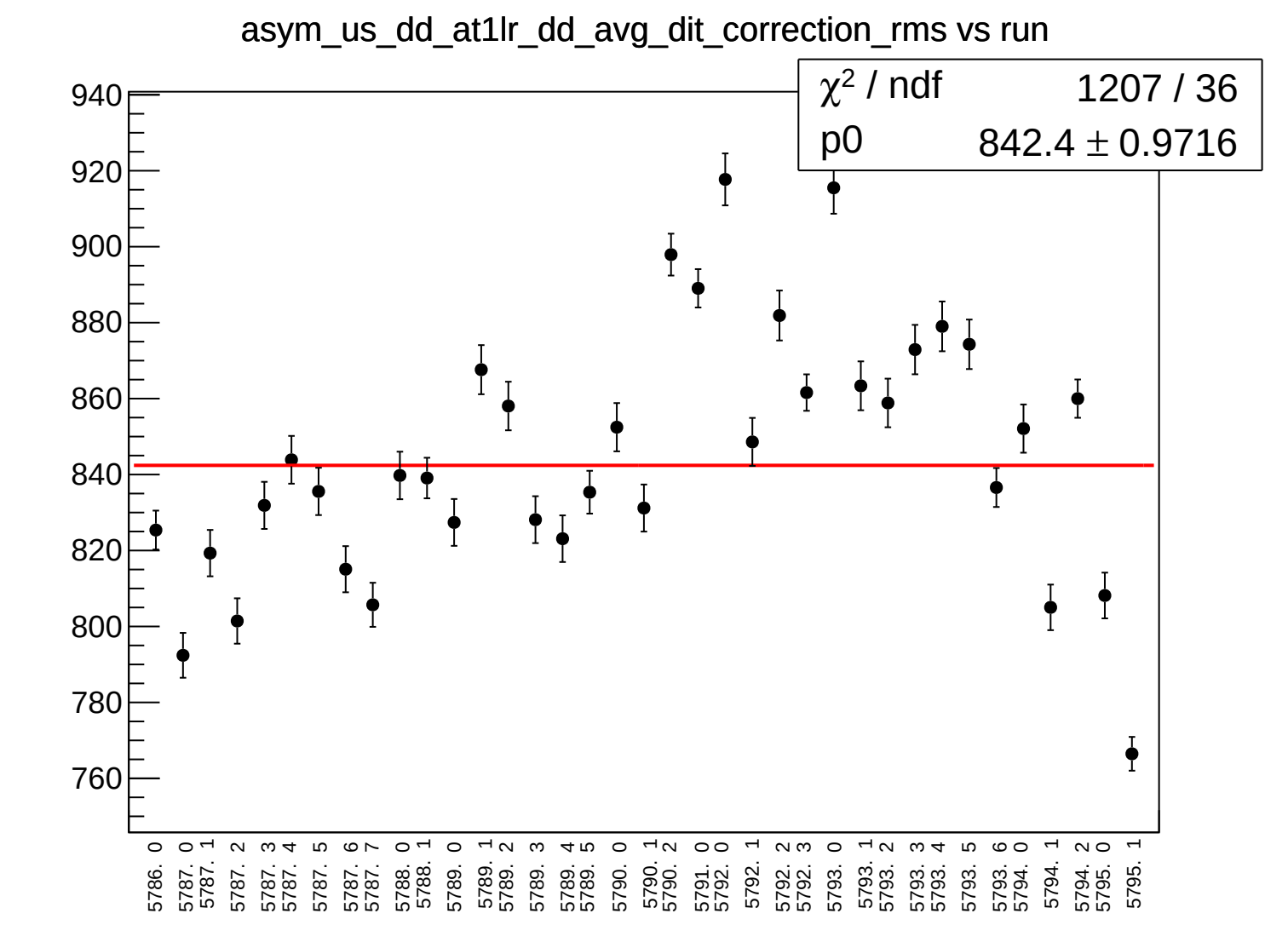
5795. 1


asym_us_dd_at1lr_dd_avg_dit_correction_mean vs run
χ² / ndf 35.51 / 36
p0 −2333 ± 1374
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.62
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01256
Std Dev 0.9795
12
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 1207 / 36
p0 842.4 ± 0.9716
940
920
900
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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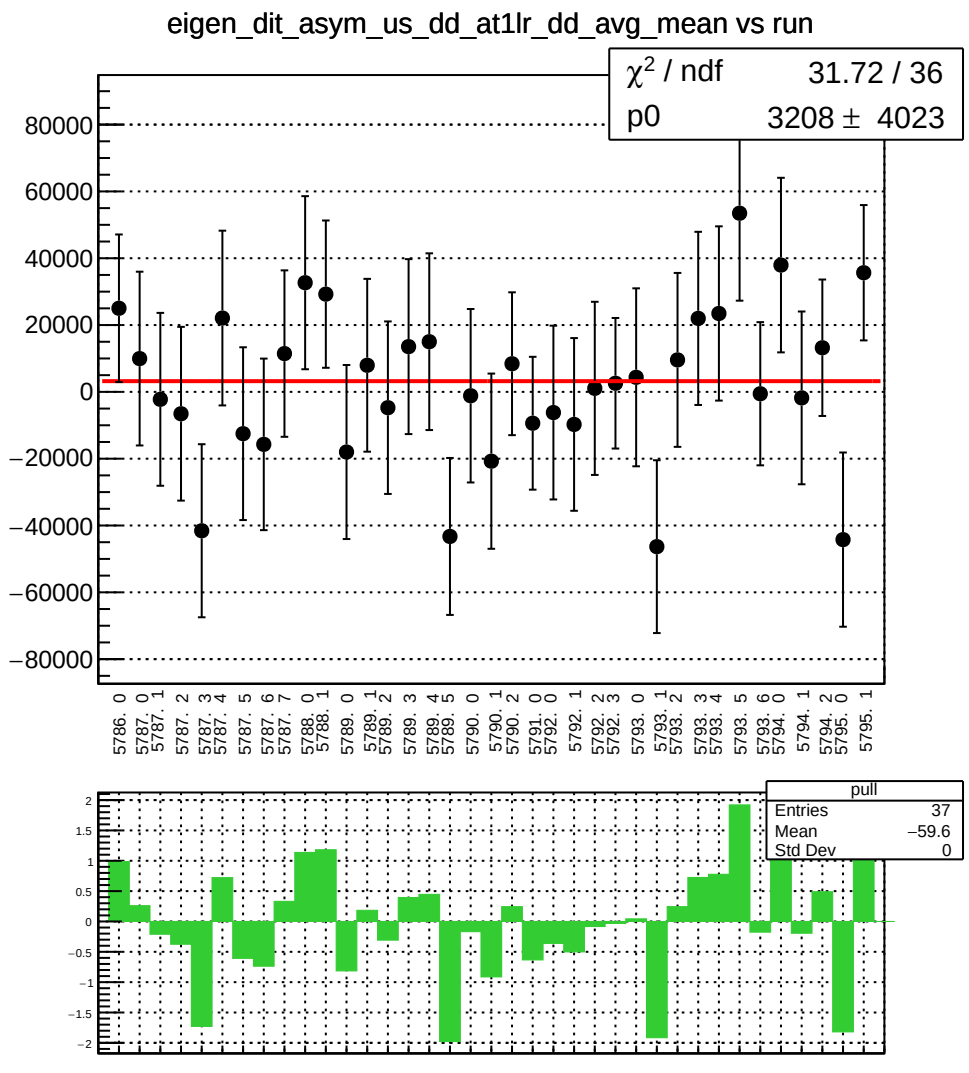
eigen_dit_asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 31.72 / 36
p0 3208 ± 4023
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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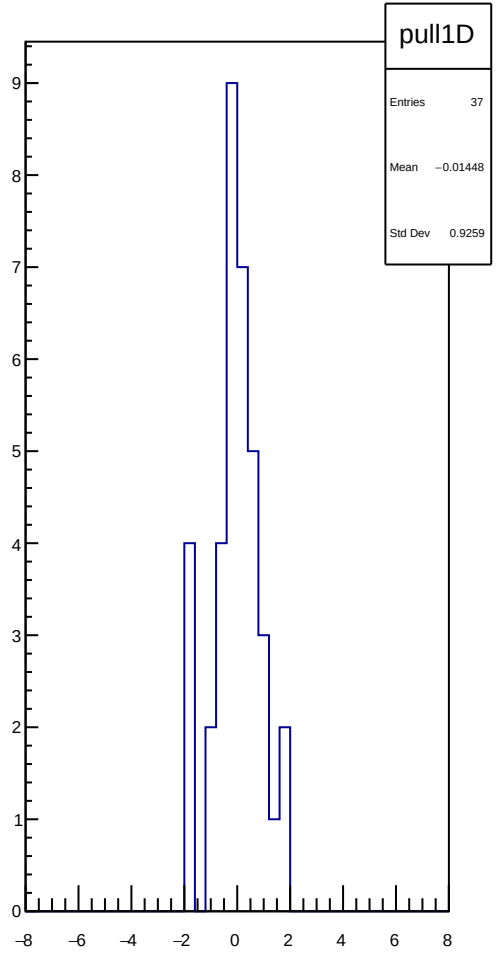
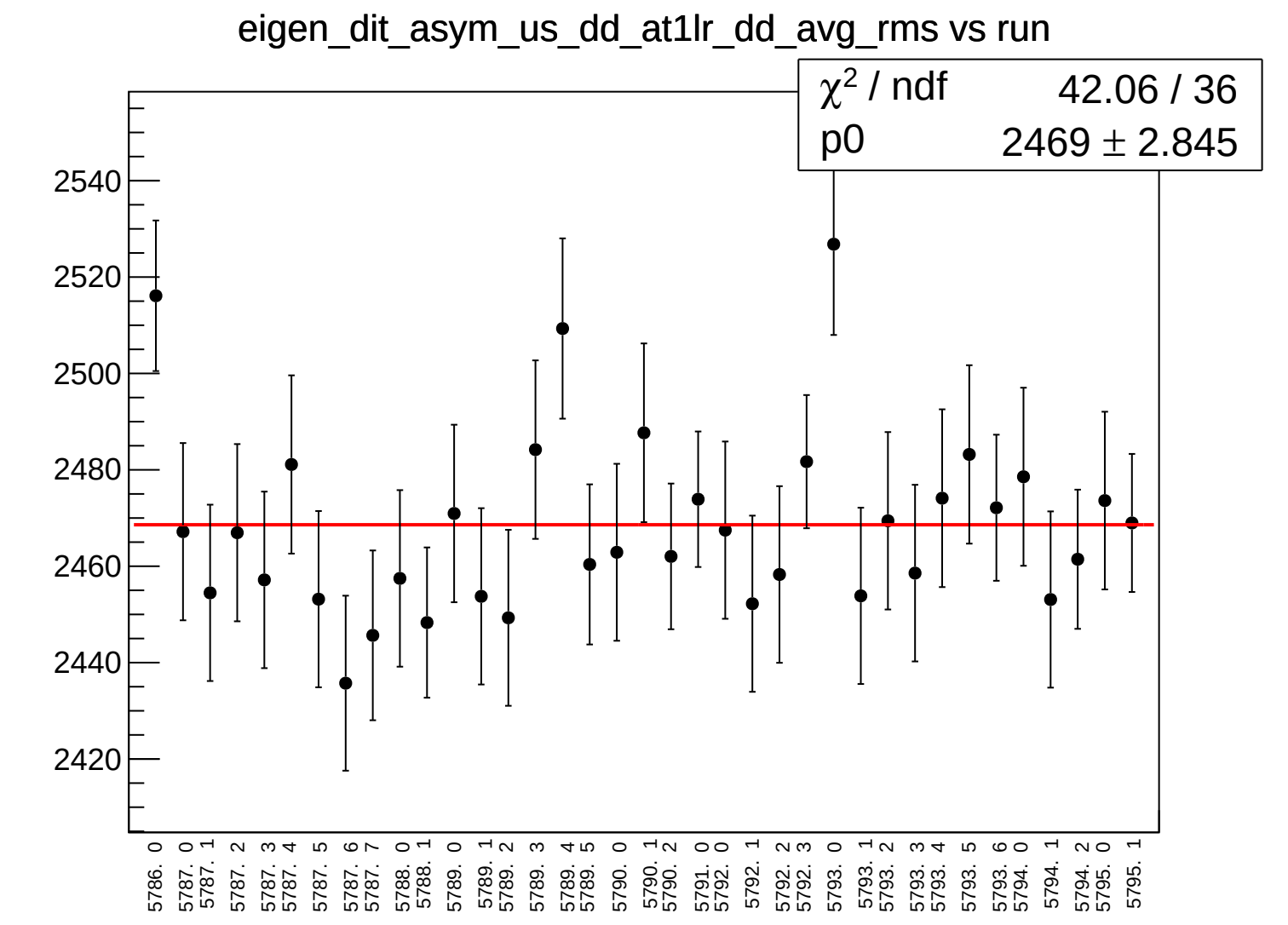
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −59.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01448
Std Dev 0.9259
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 42.06 / 36
p0 2469 ± 2.845
2540
2520
2500
2480
2460
2440
2420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 2
5789. 3
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5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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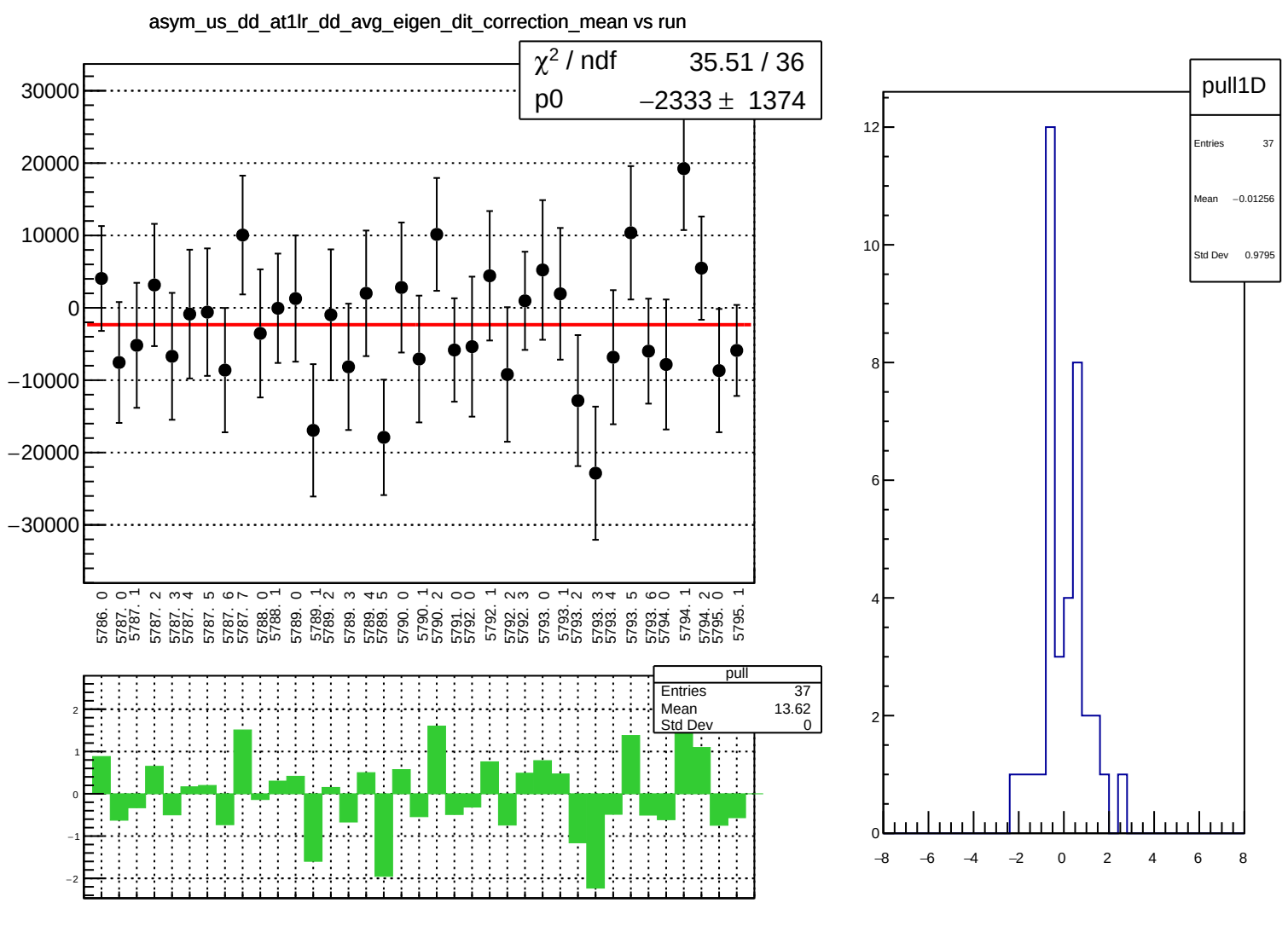
asym_us_dd_at1lr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 35.51 / 36
p0 −2333 ± 1374
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 2
5793. 3
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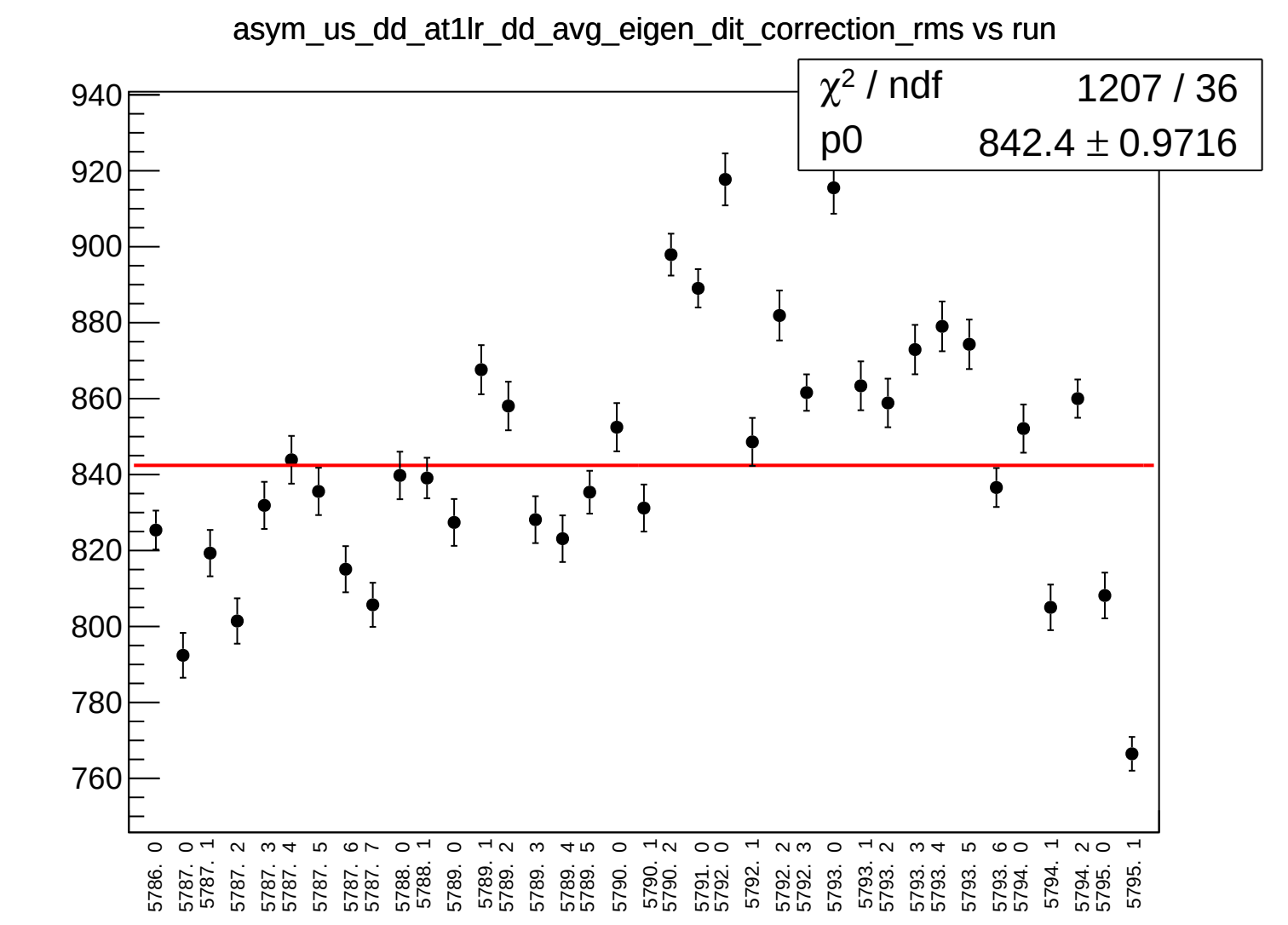
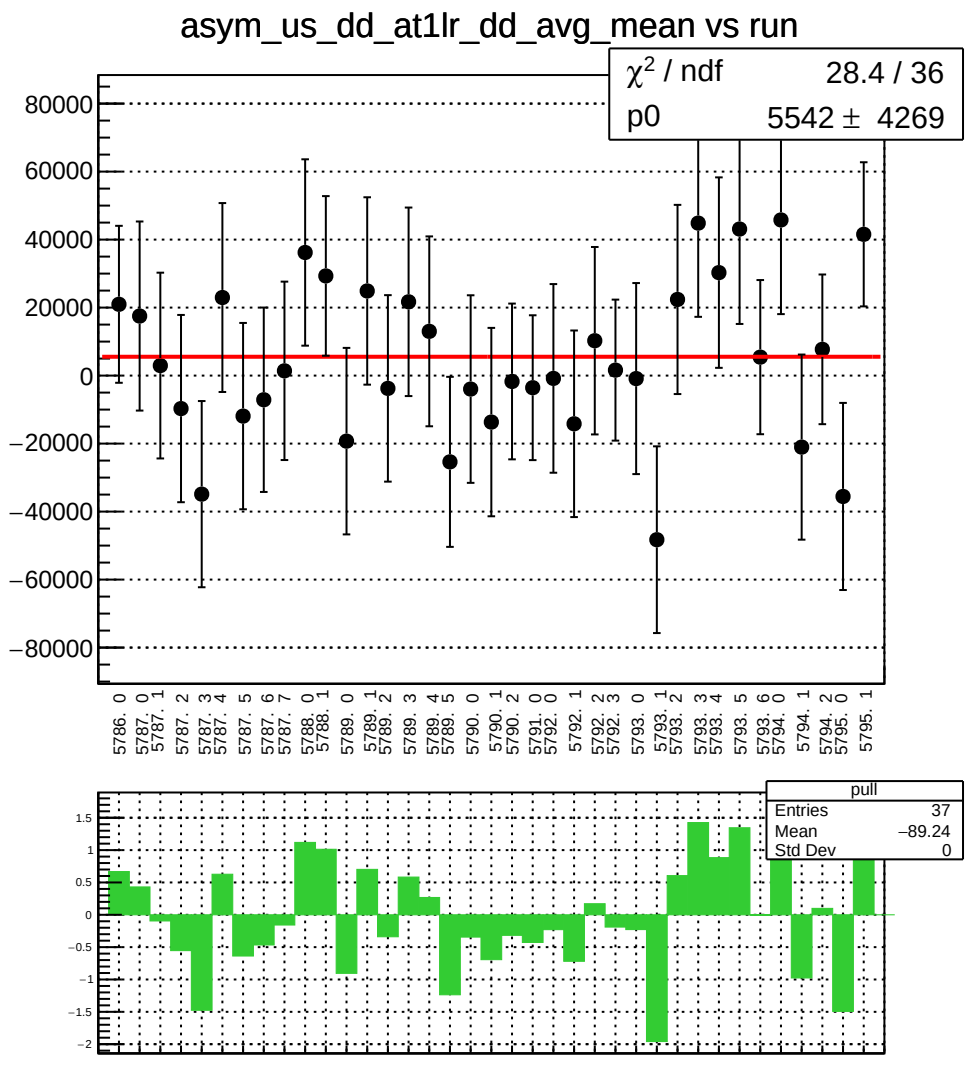
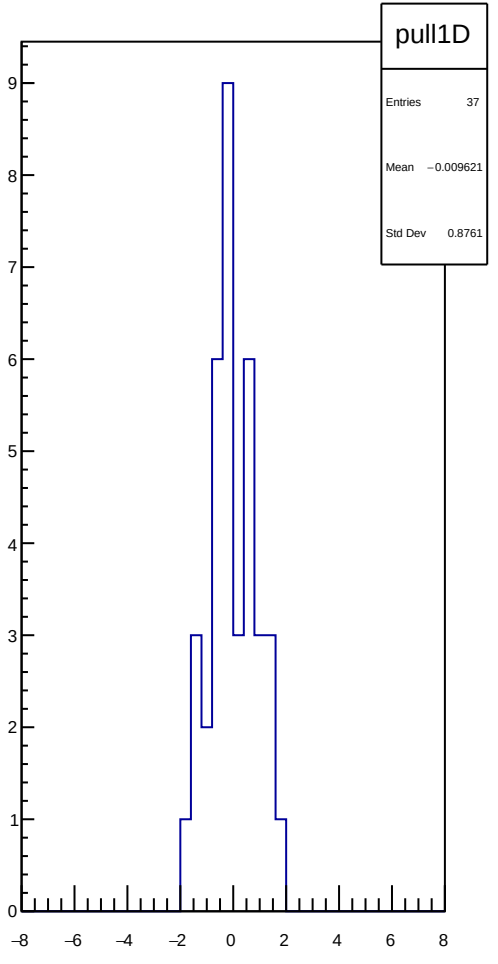
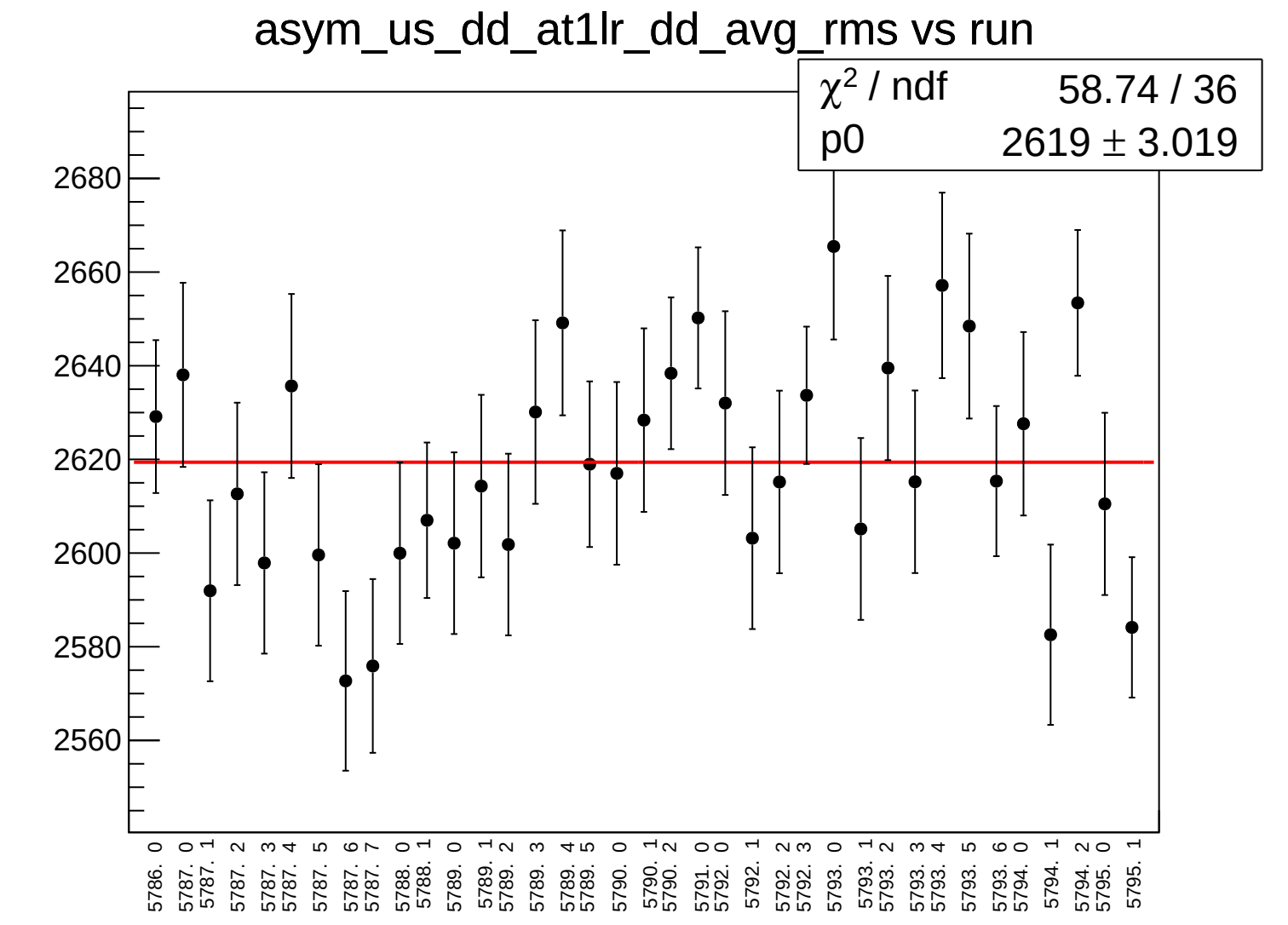
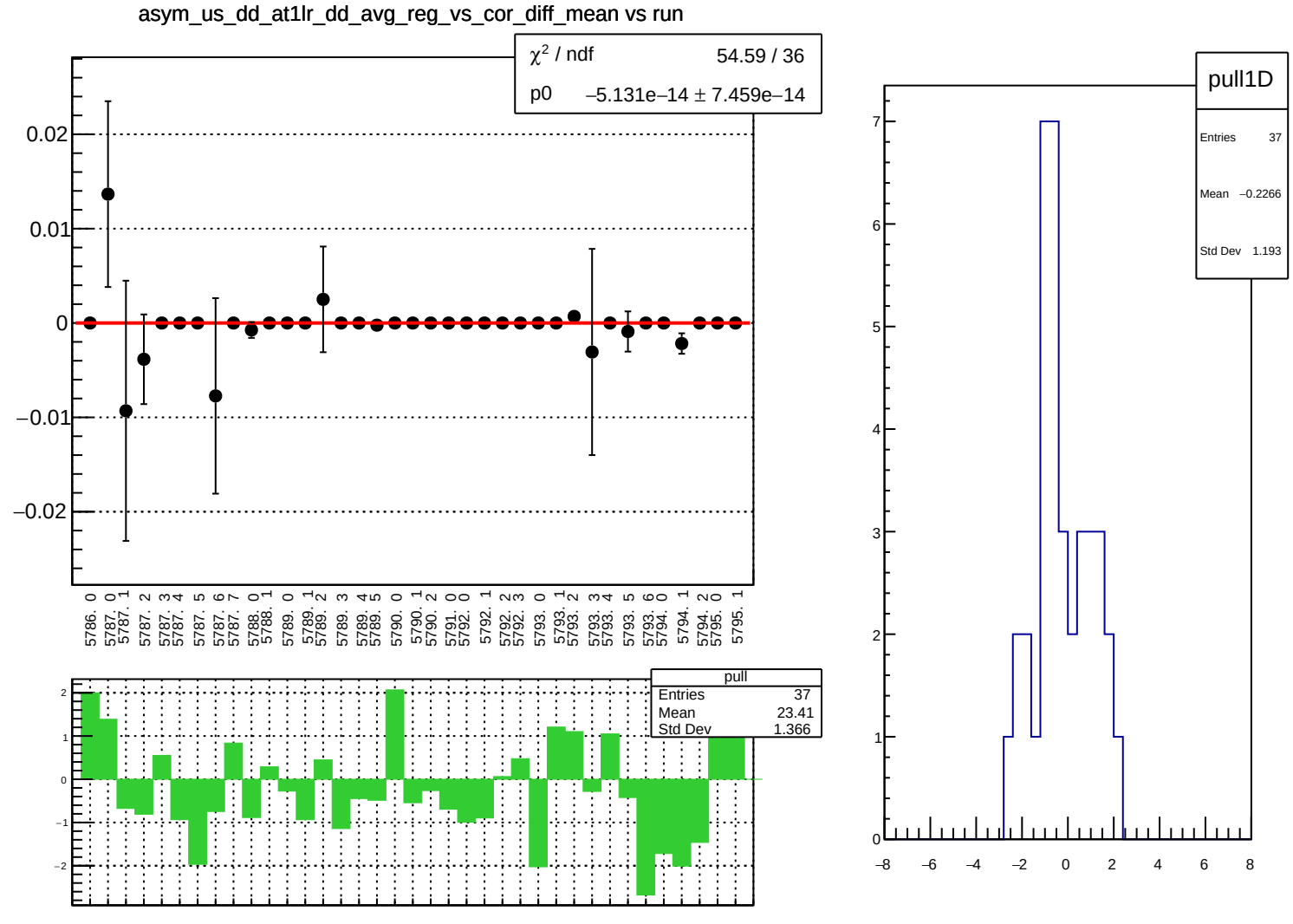
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.62
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01256
Std Dev 0.9795
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

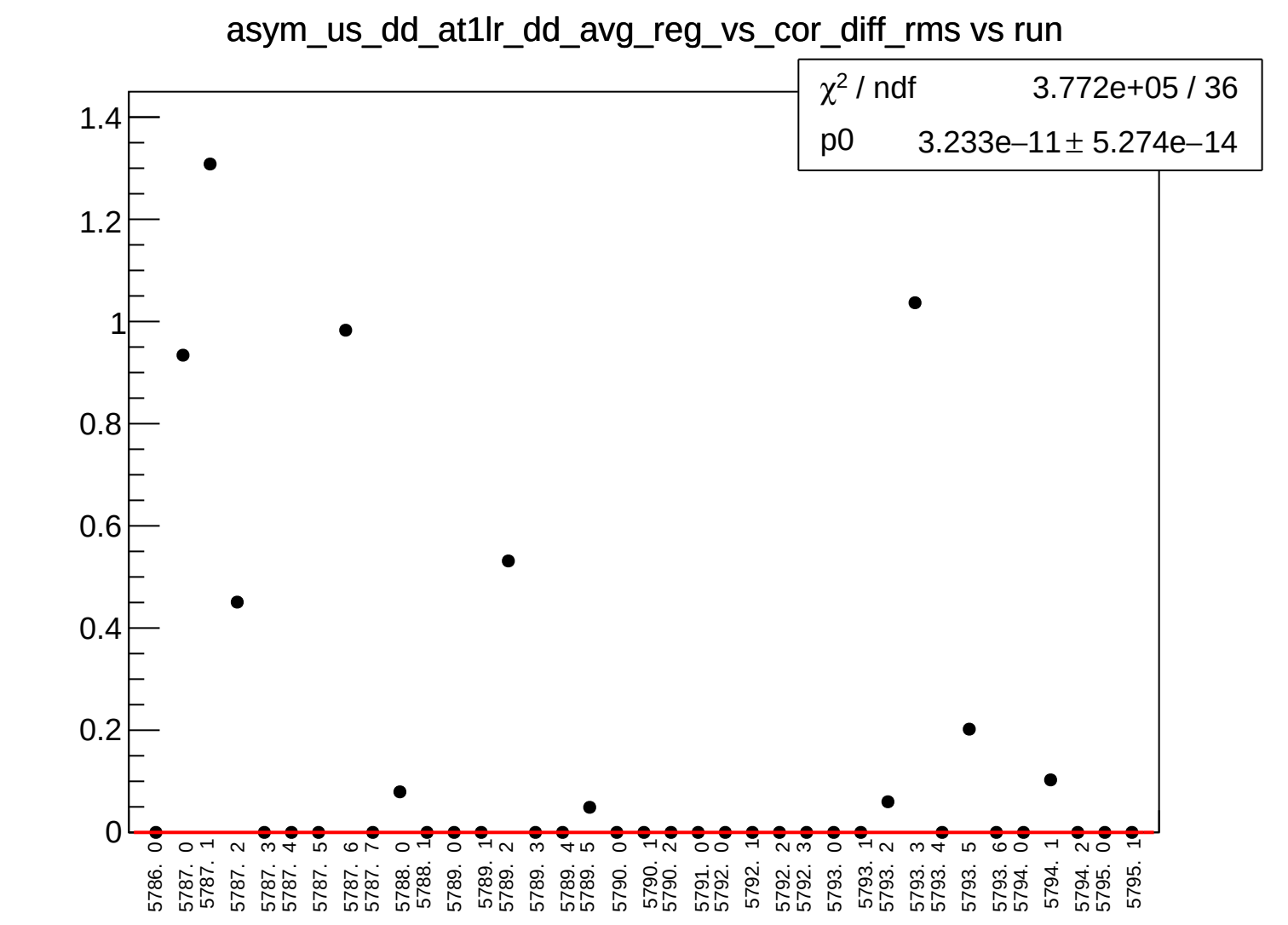

asym_us_dd_at1lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 1207 / 36
p0 842.4 ± 0.9716
940
920
900
880
860
840
820
800
780
760
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

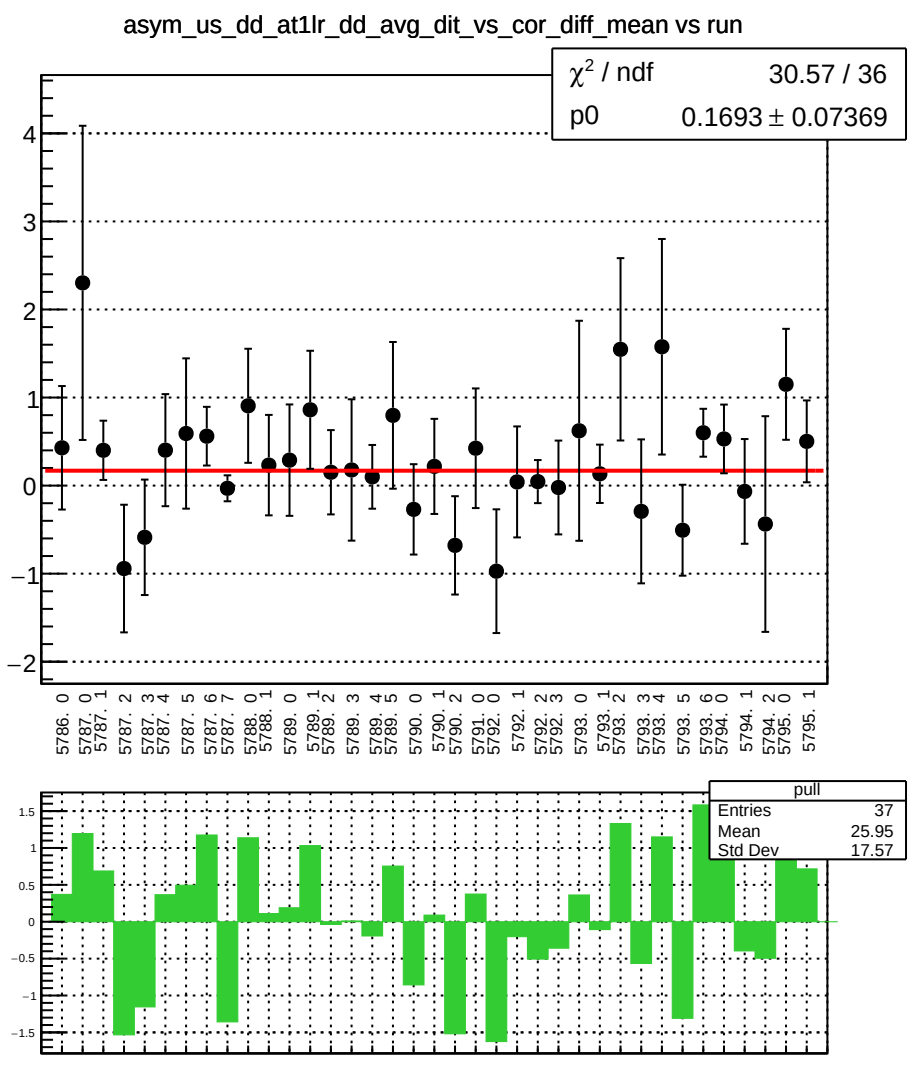

asym_us_dd_at1lr_dd_avg_mean vs run
χ² / ndf 28.4 / 36
p0 5542 ± 4269
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −89.24
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

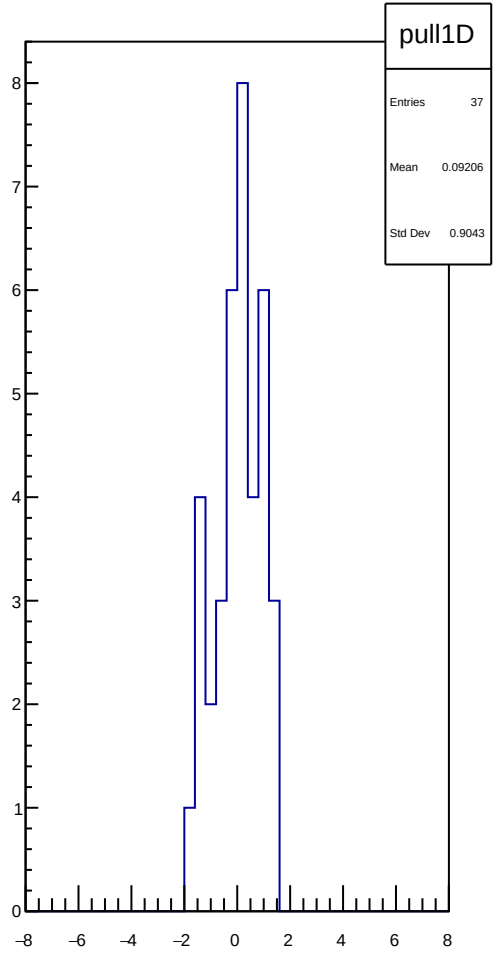

pull1D
Entries 37
Mean −0.009621
Std Dev 0.8761
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

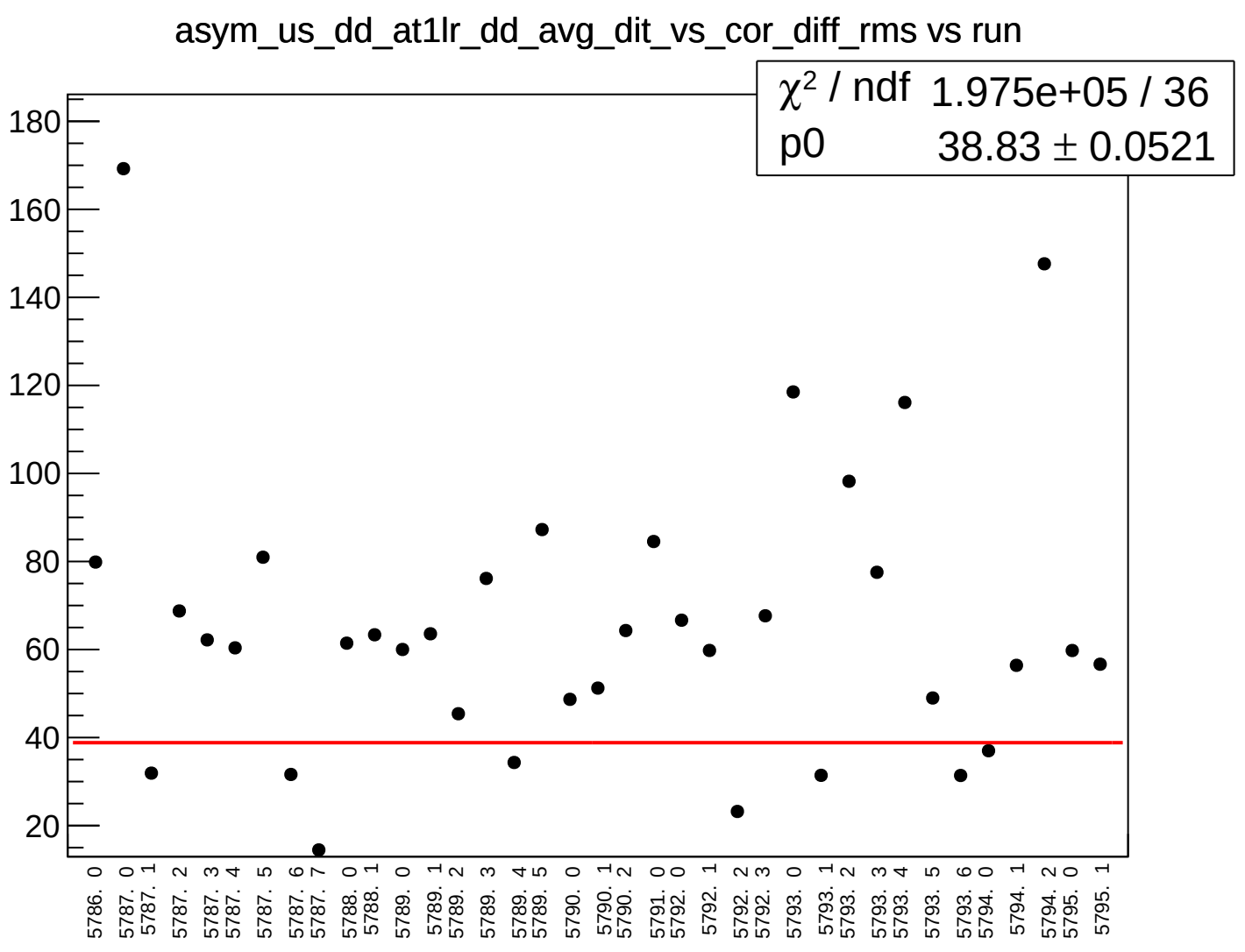

asym_us_dd_at1lr_dd_avg_rms vs run
χ² / ndf 58.74 / 36
p0 2619 ± 3.019
2680
2660
2640
2620
2600
2580
2560
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

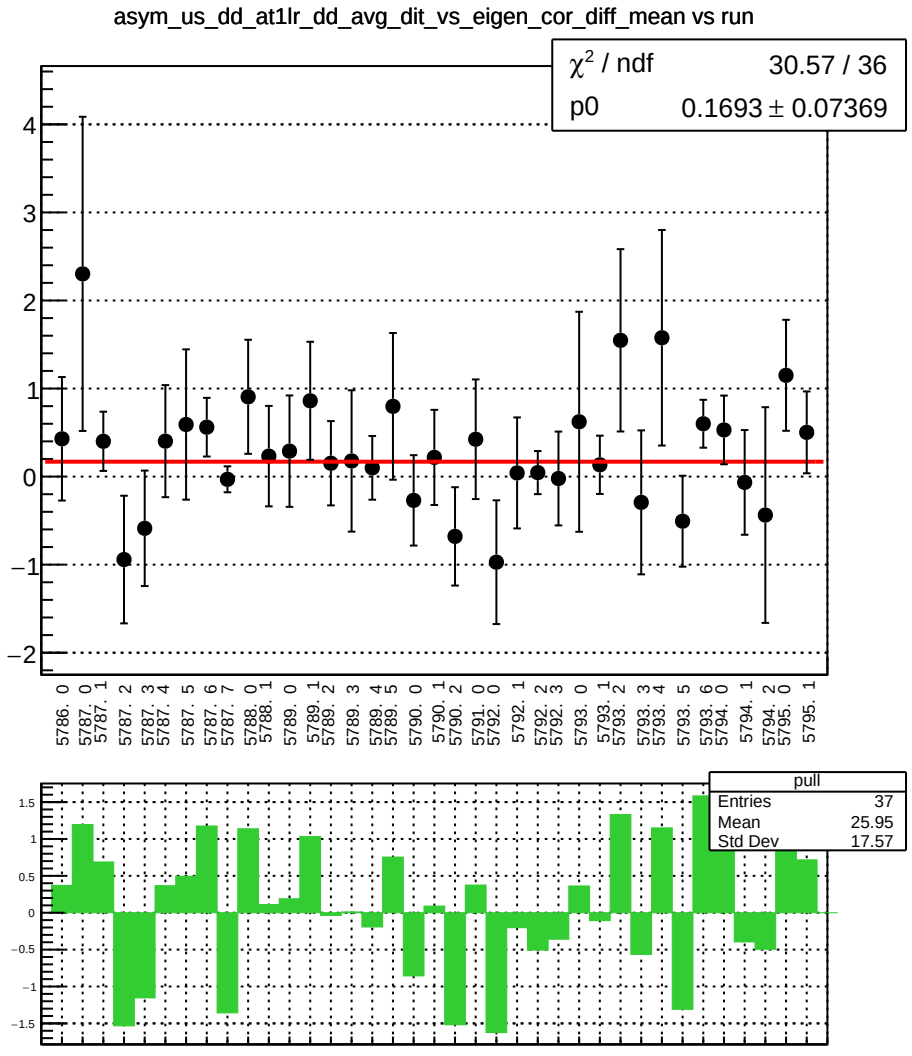

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 54.59 / 36
p0 −5.131e−14 ± 7.459e−14
0.02
0.01
0
−0.01
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.41
Std Dev 1.366
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.2266
Std Dev 1.193
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

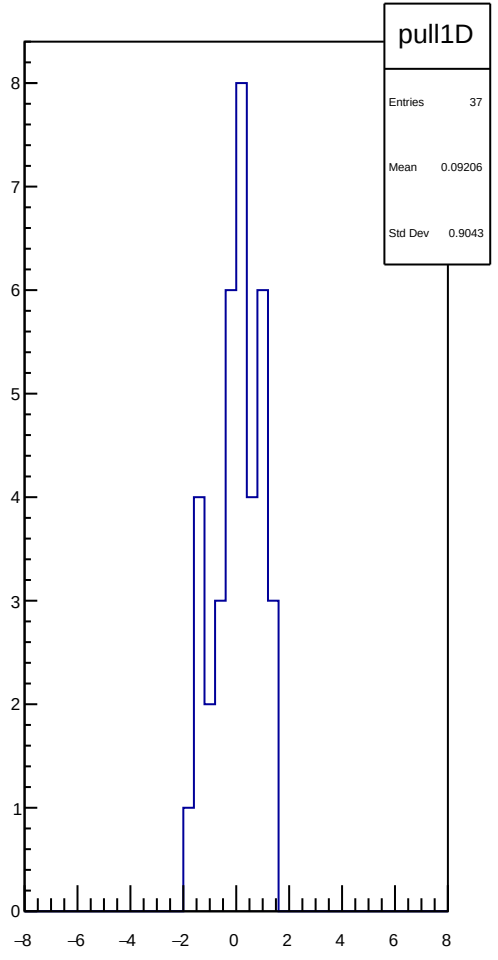

asym_us_dd_at1lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.772e+05 / 36
p0 3.233e−11 ± 5.274e−14
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

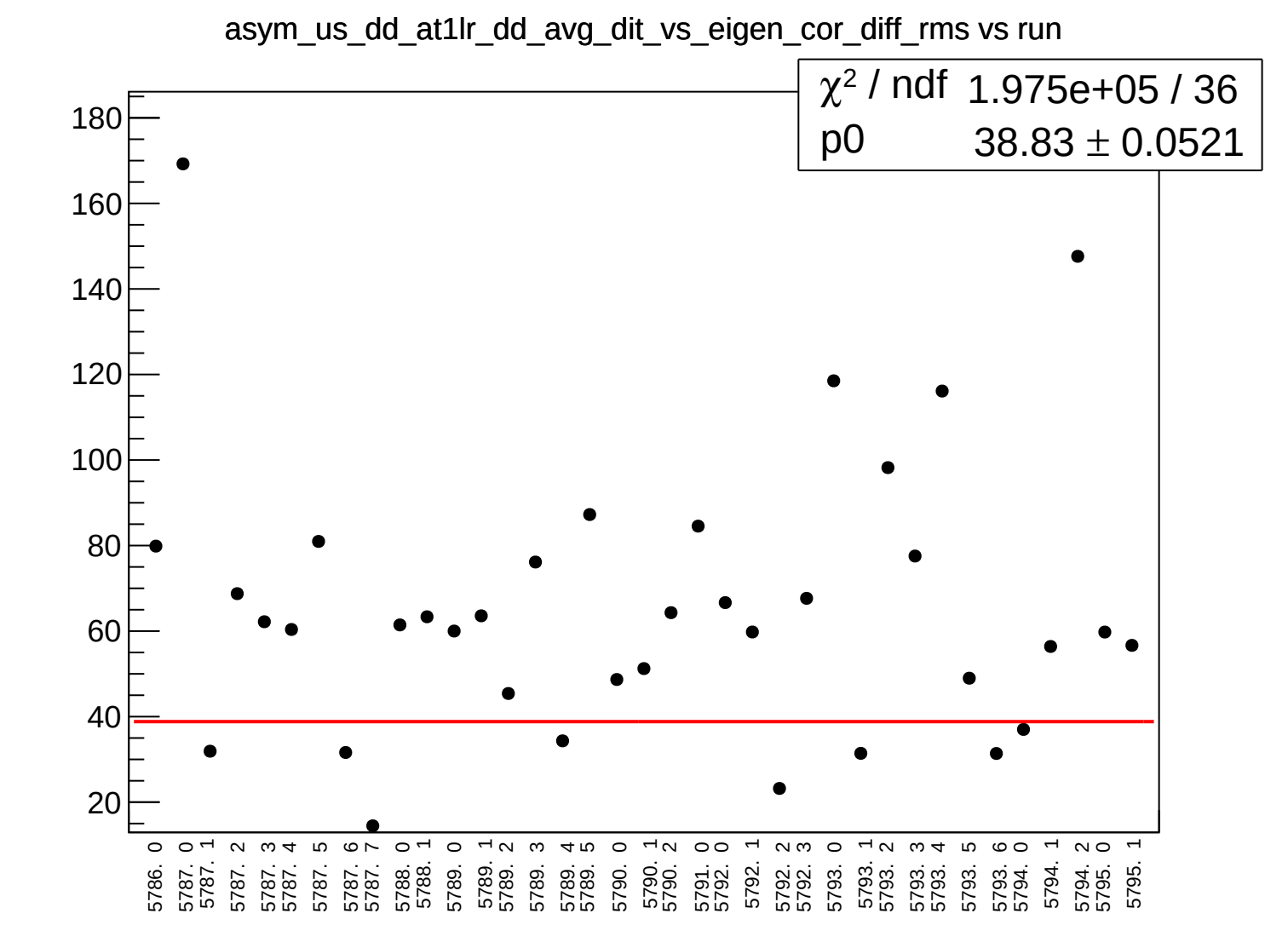

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 30.57 / 36
p0 0.1693 ± 0.07369
pull
Entries 37
Mean 25.95
Std Dev 17.57

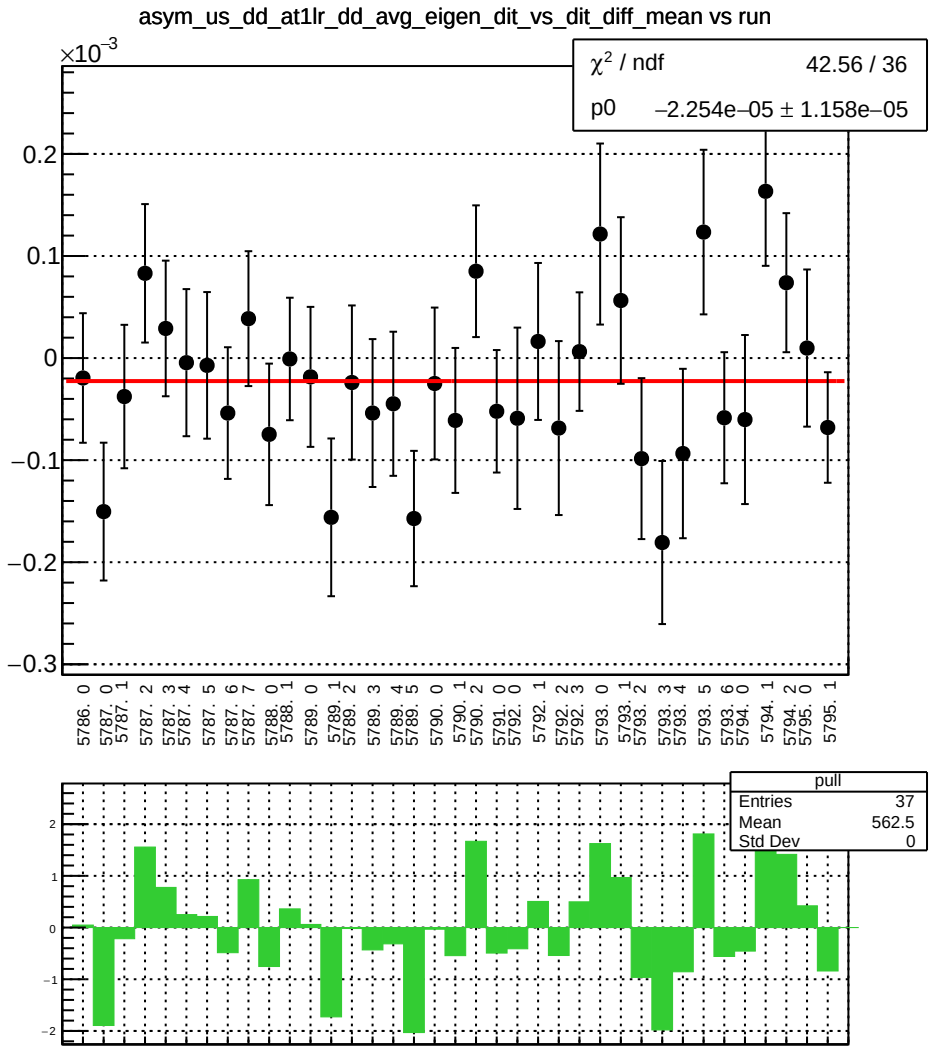

pull1D
Entries 37
Mean 0.09206
Std Dev 0.9043

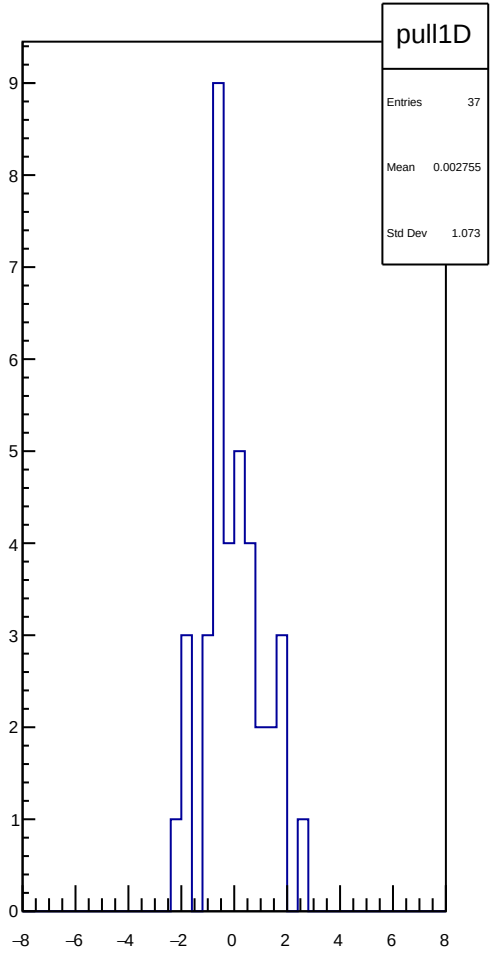

asym_us_dd_at1lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.975e+05 / 36
p0 38.83 ± 0.0521
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

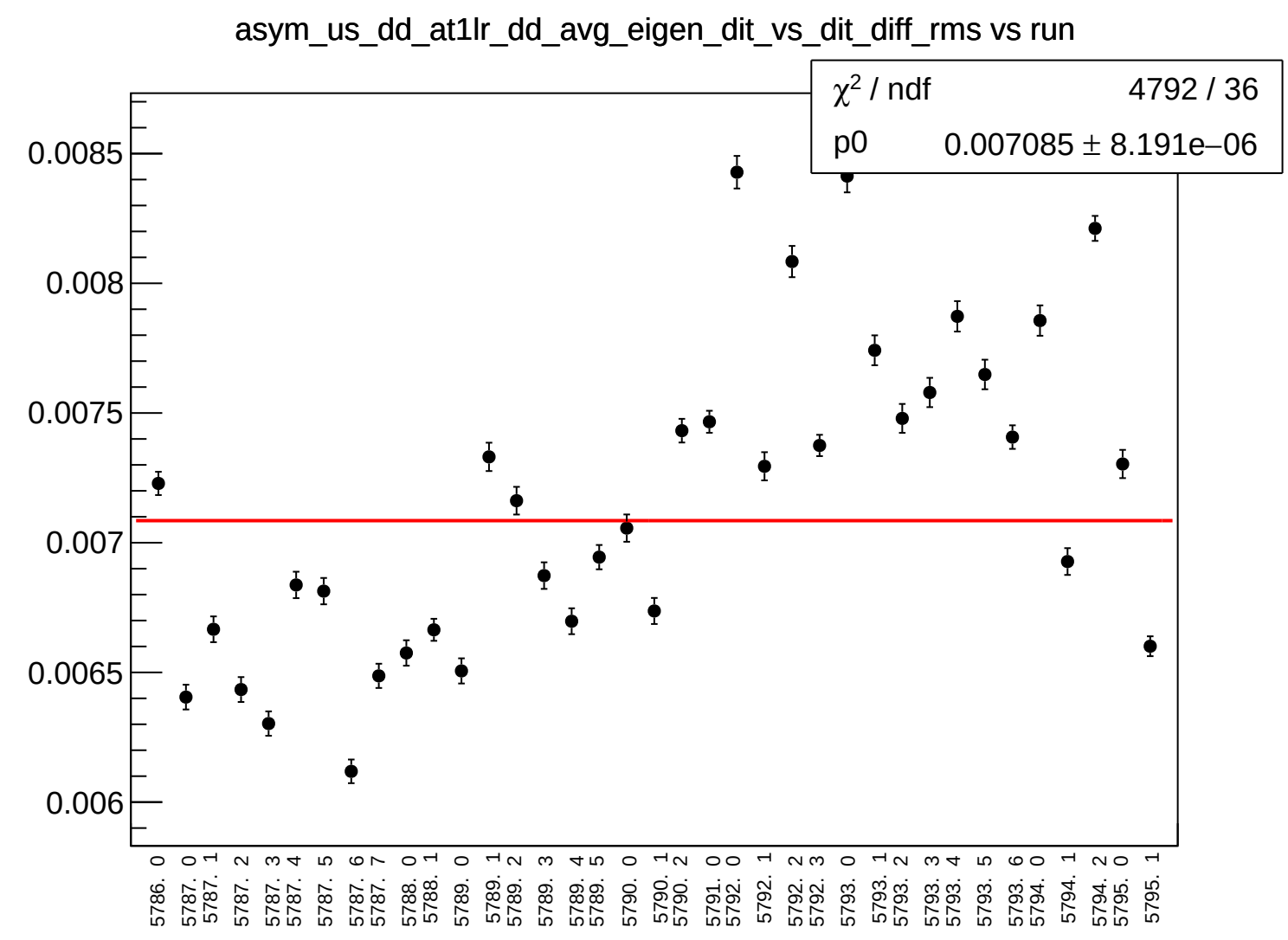

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.57 / 36
p0 0.1693 ± 0.07369
pull
Entries 37
Mean 25.95
Std Dev 17.57

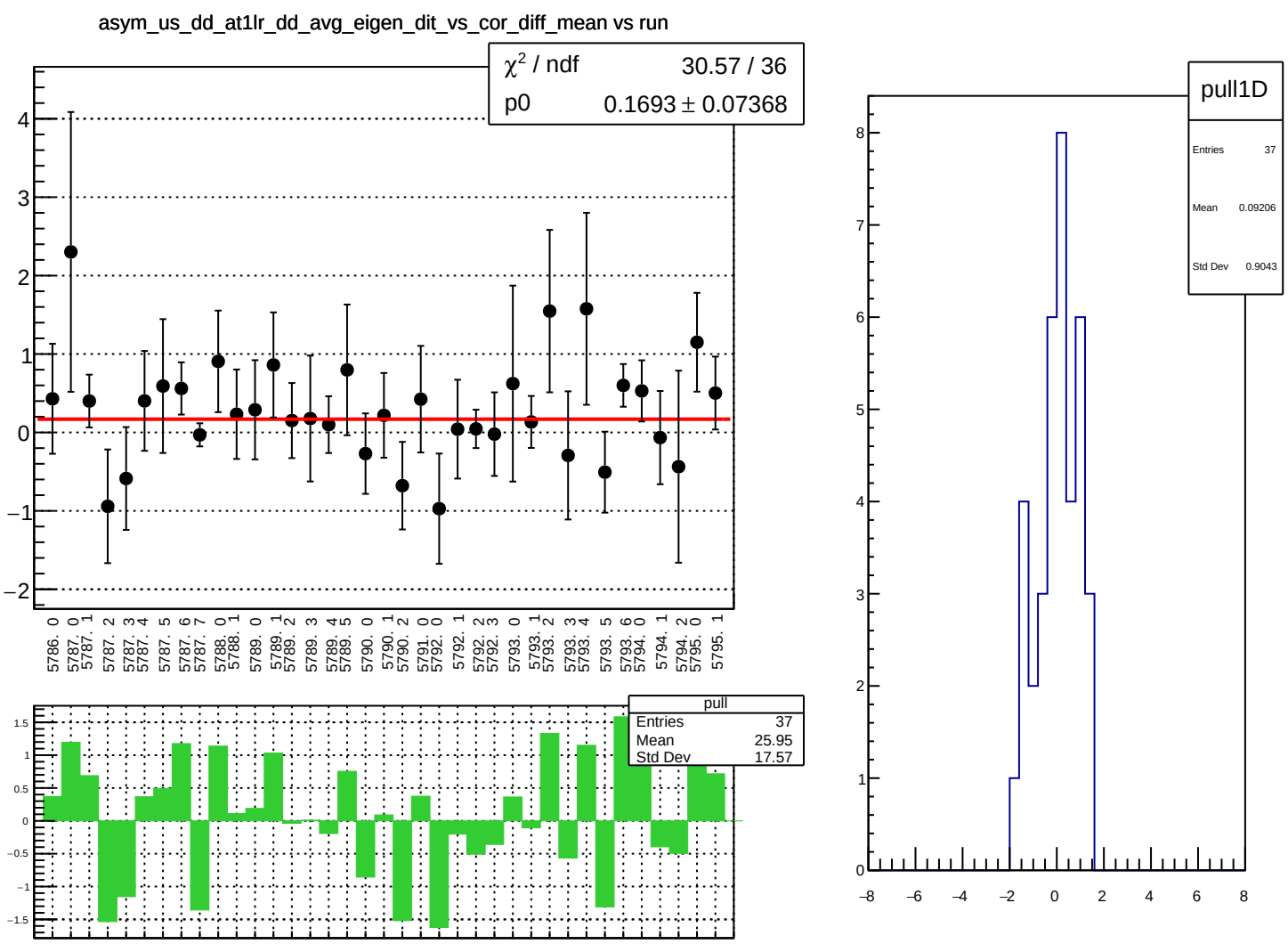

pull1D
Entries 37
Mean 0.09206
Std Dev 0.9043

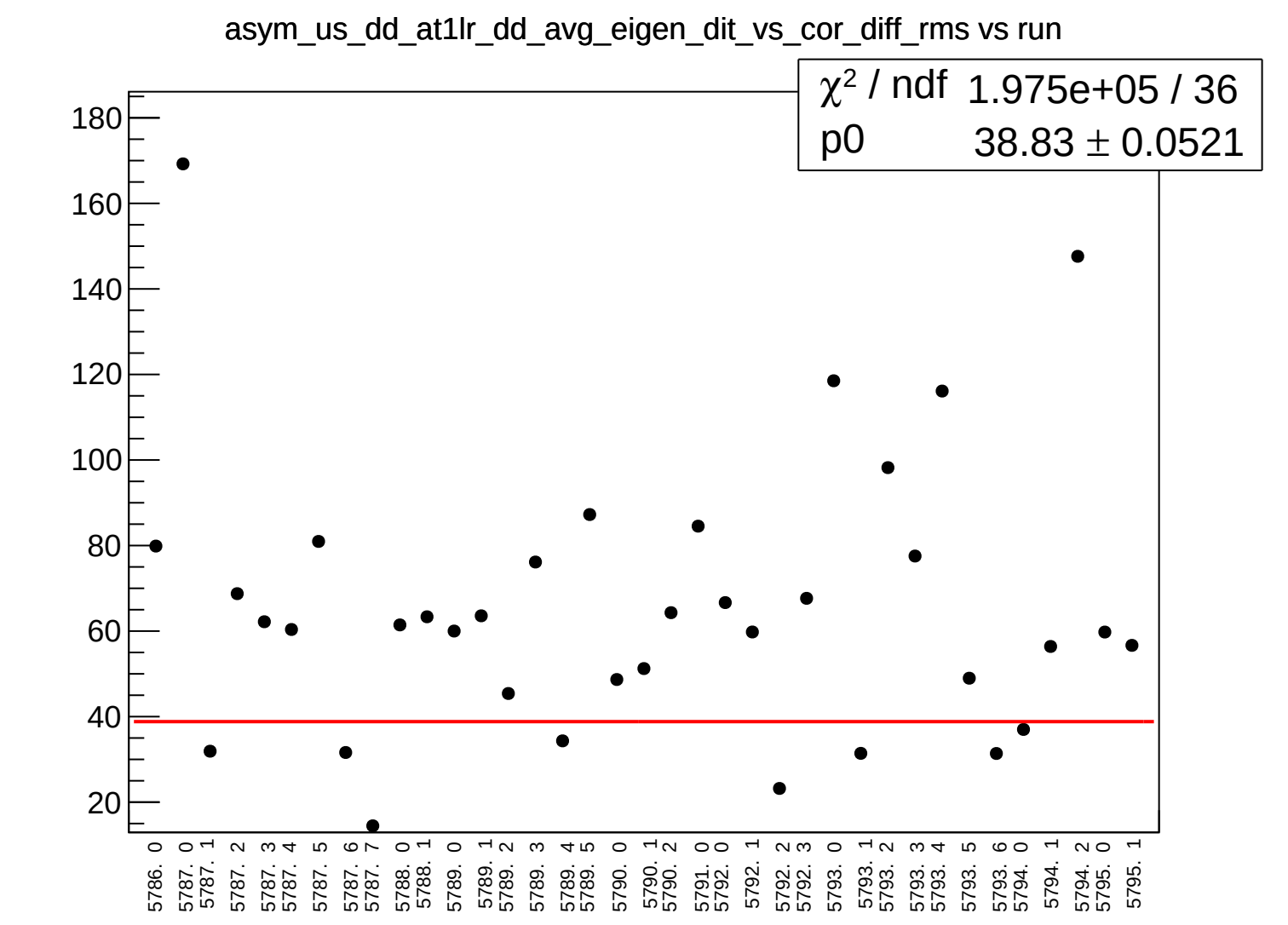

asym_us_dd_at1lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.975e+05 / 36
p0 38.83 ± 0.0521
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

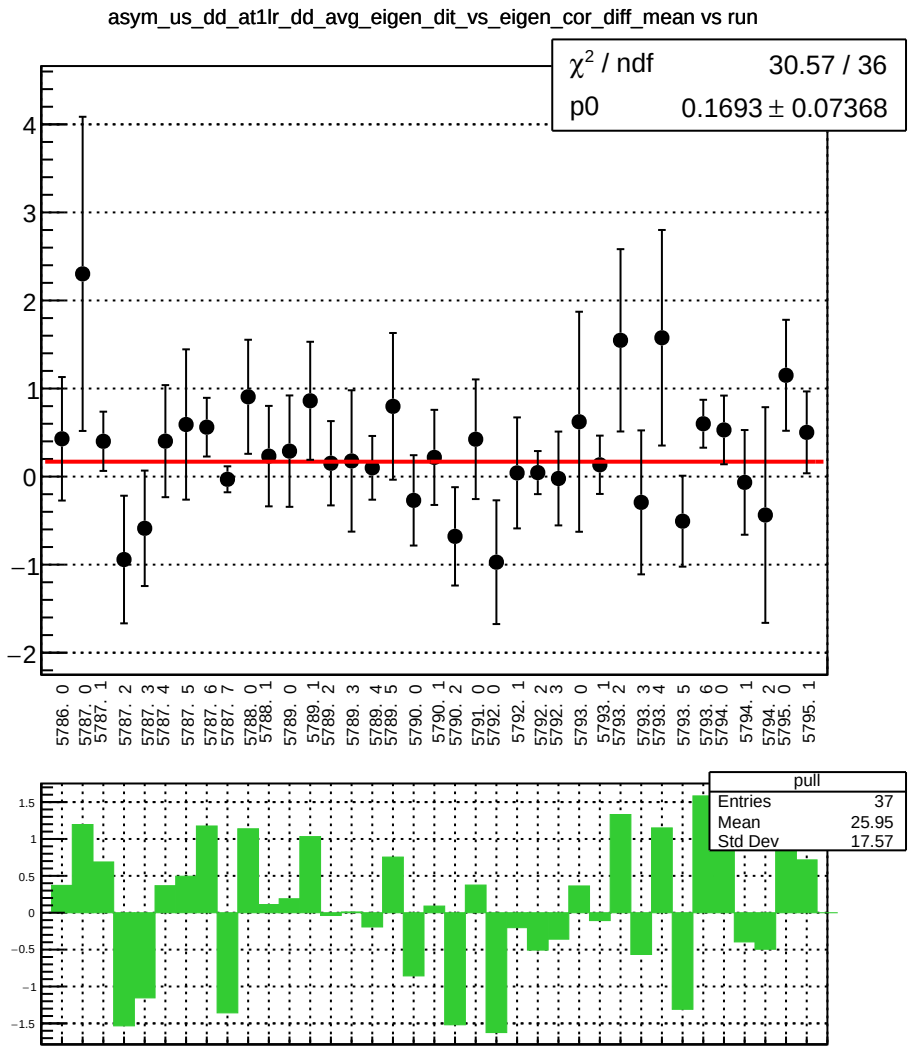

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.56 / 36
p0 −2.254e−05 ± 1.158e−05
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 562.5
Std Dev 0
2
1
0
−1
−2

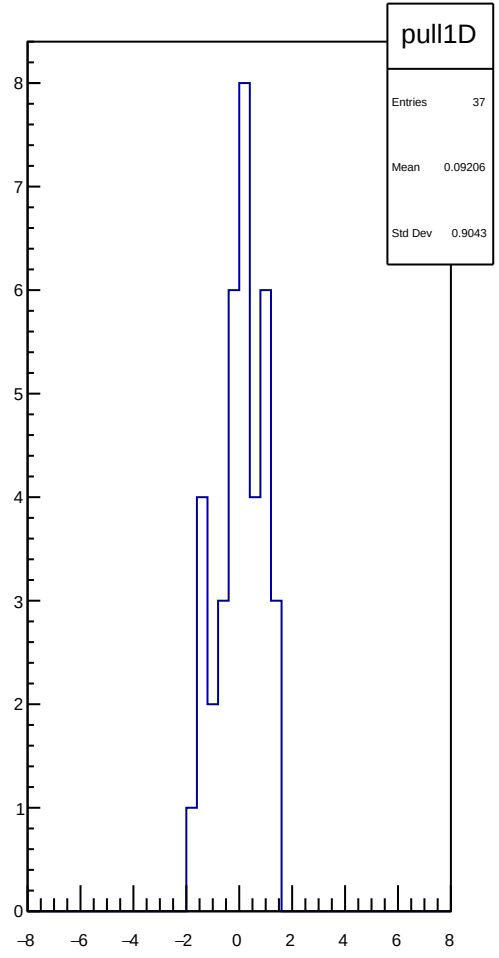

pull1D
Entries 37
Mean 0.002755
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

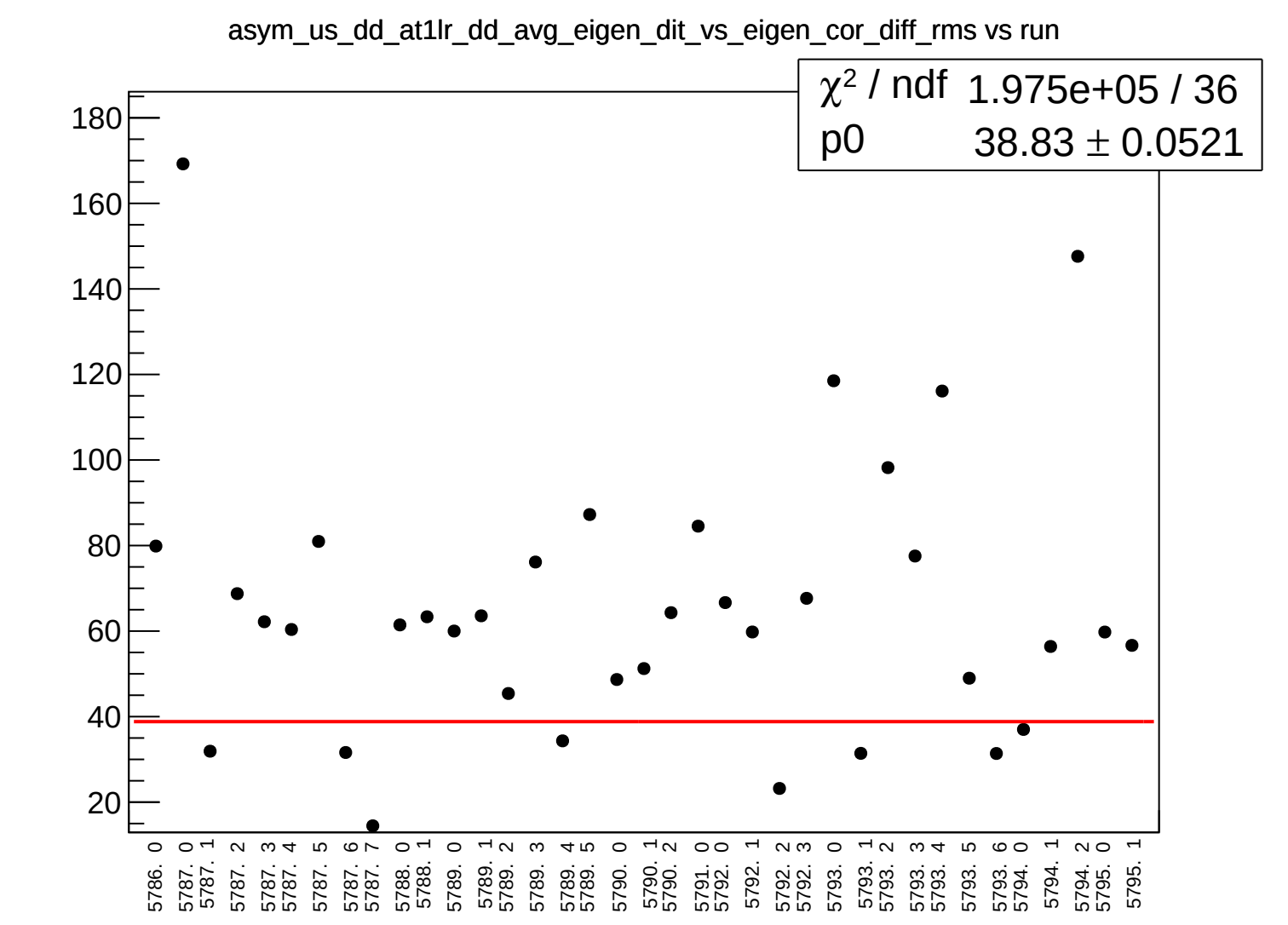

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4792 / 36
p0 0.007085 ± 8.191e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

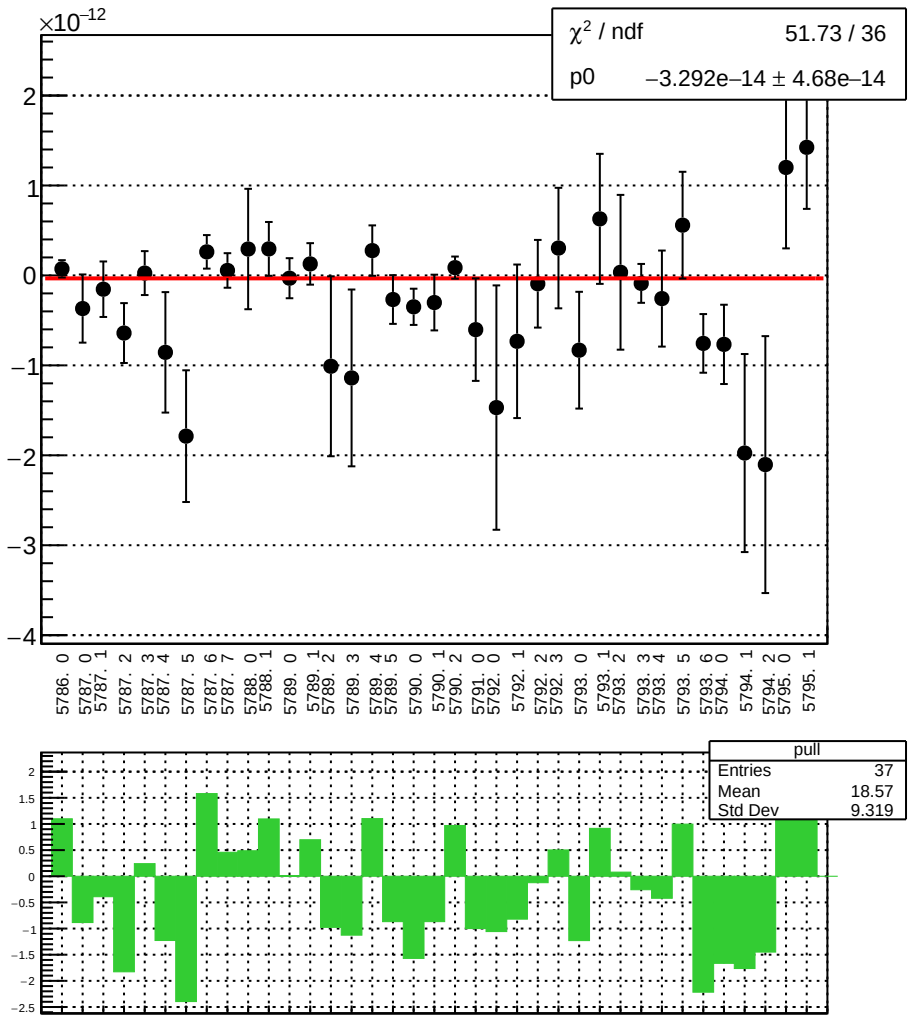

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 30.57 / 36
p0 0.1693 ± 0.07368
pull
Entries 37
Mean 25.95
Std Dev 17.57
pull1D
Entries 37
Mean 0.09206
Std Dev 0.9043

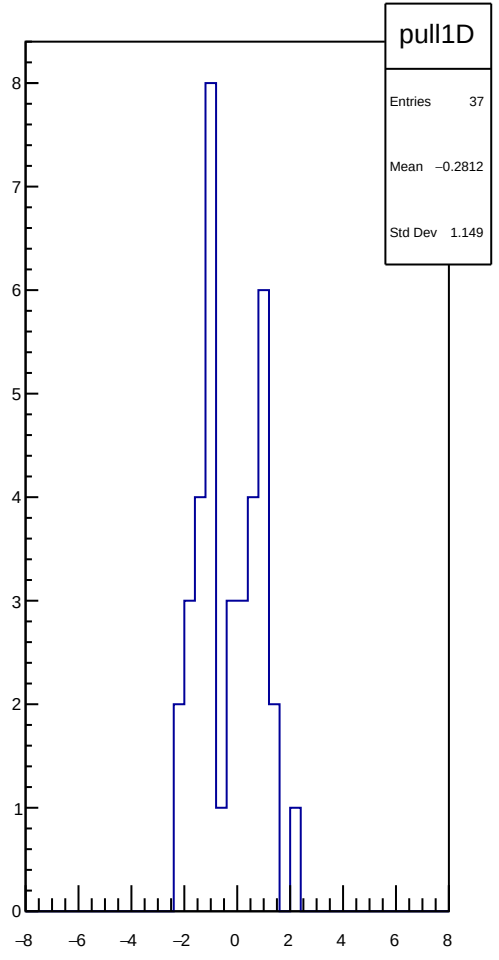

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.975e+05 / 36
p0 38.83 ± 0.0521
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

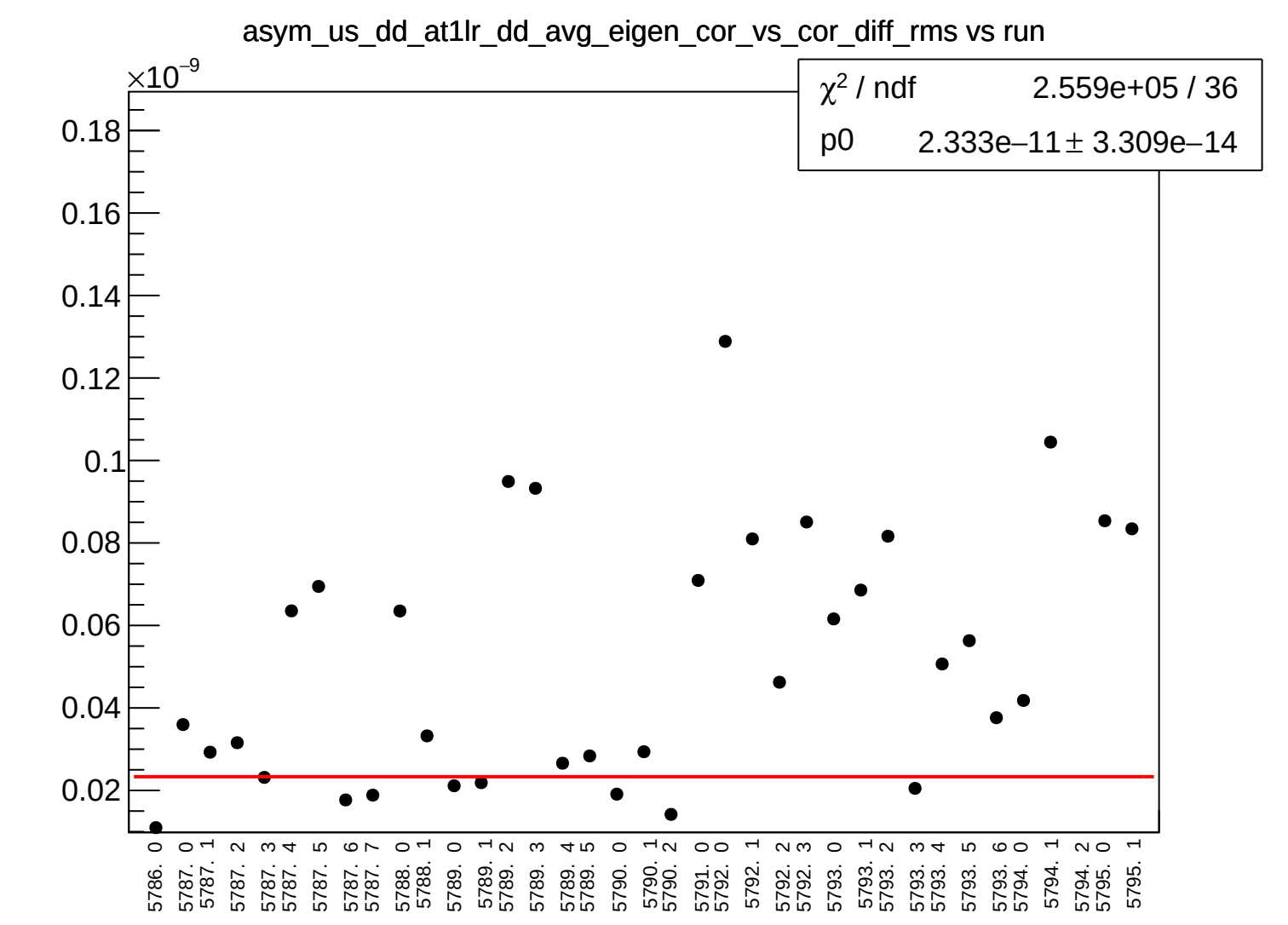

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 30.57 / 36
p0 0.1693 ± 0.07368
pull
Entries 37
Mean 25.95
Std Dev 17.57

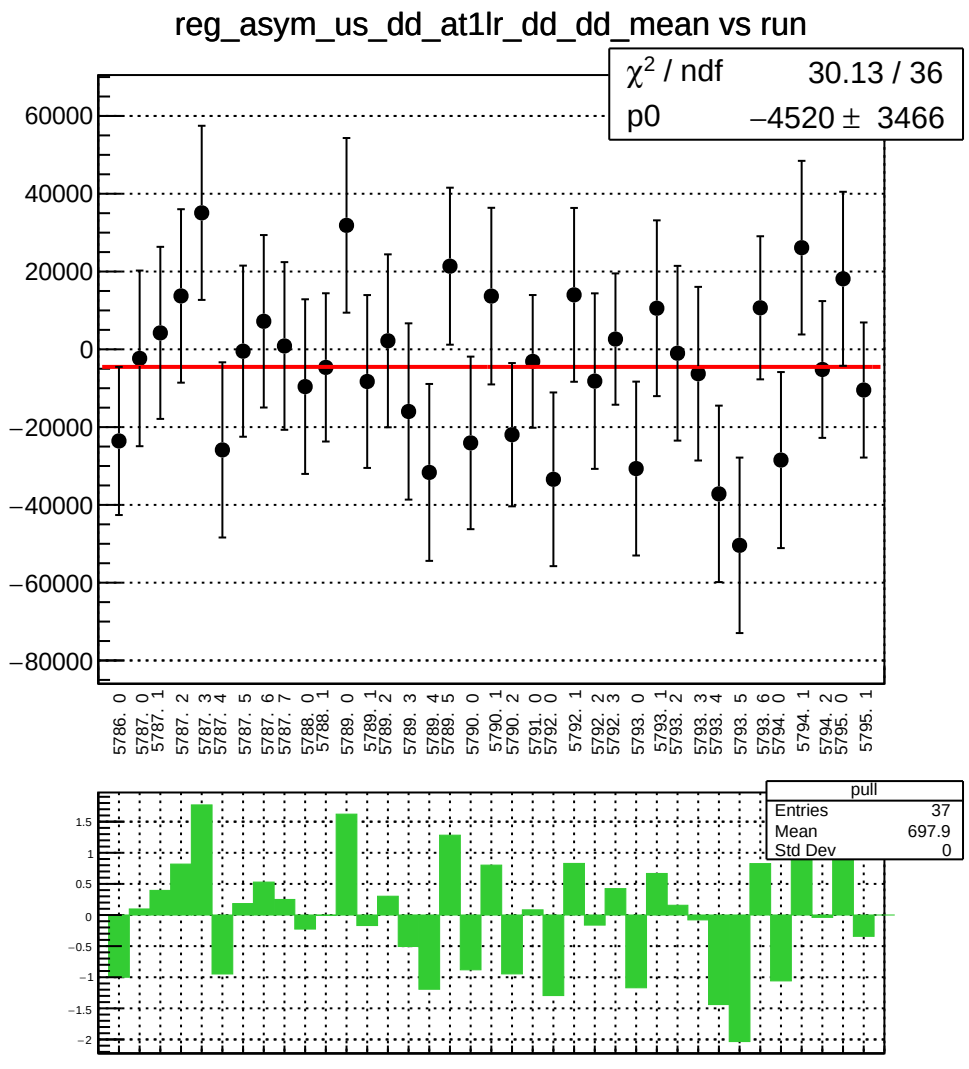

pull1D
Entries 37
Mean 0.09206
Std Dev 0.9043

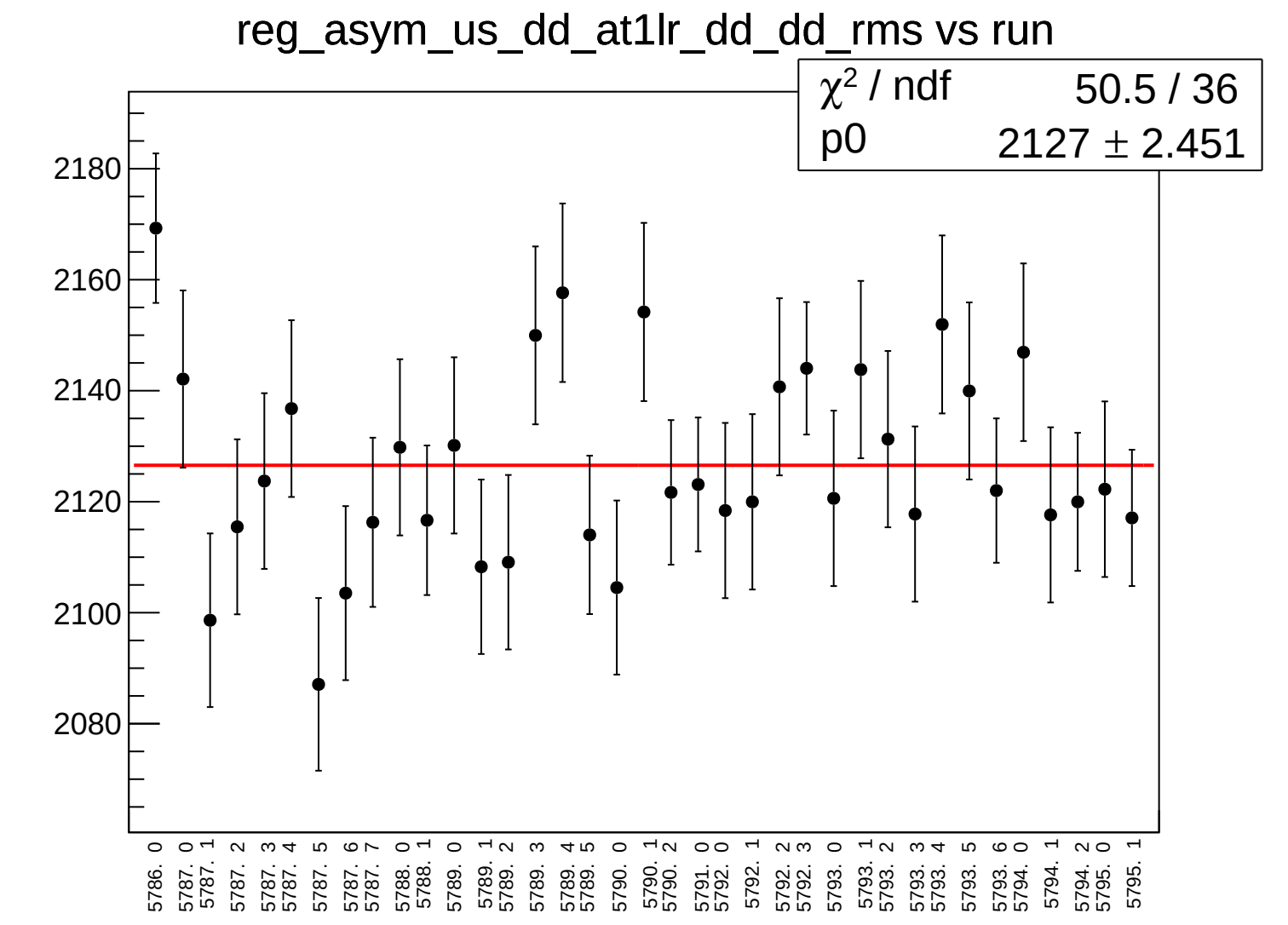

asym_us_dd_at1lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.975e+05 / 36
p0 38.83 ± 0.0521
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.73 / 36
p0 −3.292e−14 ± 4.68e−14
pull
Entries 37
Mean 18.57
Std Dev 9.319


pull1D
Entries 37
Mean −0.2812
Std Dev 1.149


asym_us_dd_at1lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.559e+05 / 36
p0 2.333e−11 ± 3.309e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 30.13 / 36
p0 −4520 ± 3466
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 697.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001837
Std Dev 0.9024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 50.5 / 36
p0 2127 ± 2.451
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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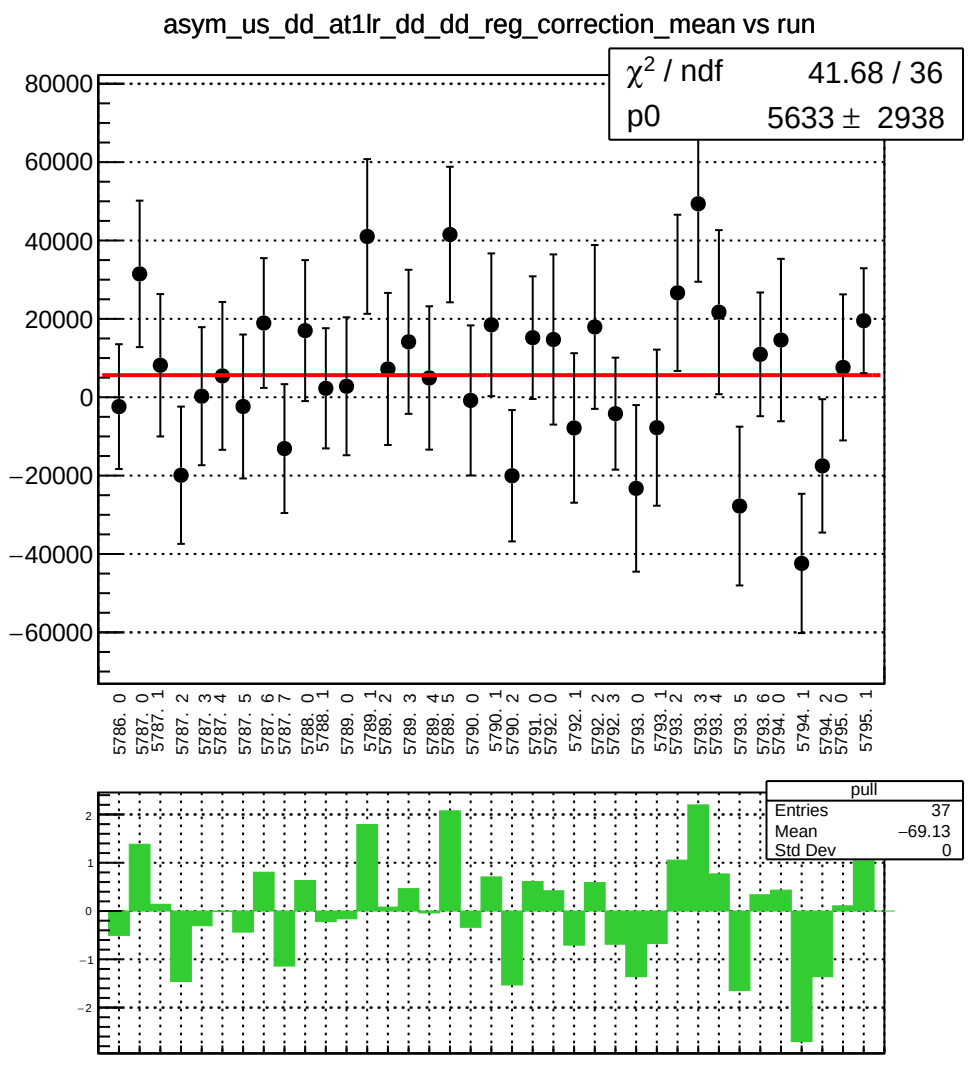
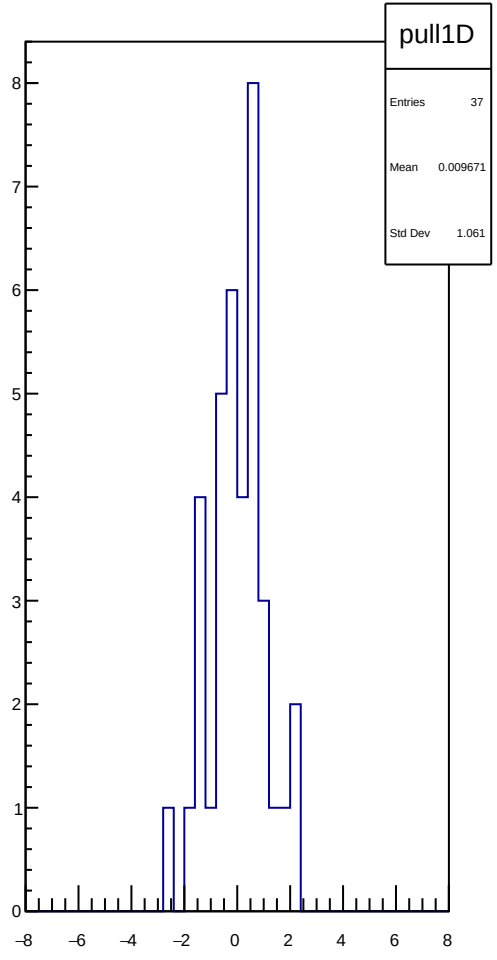
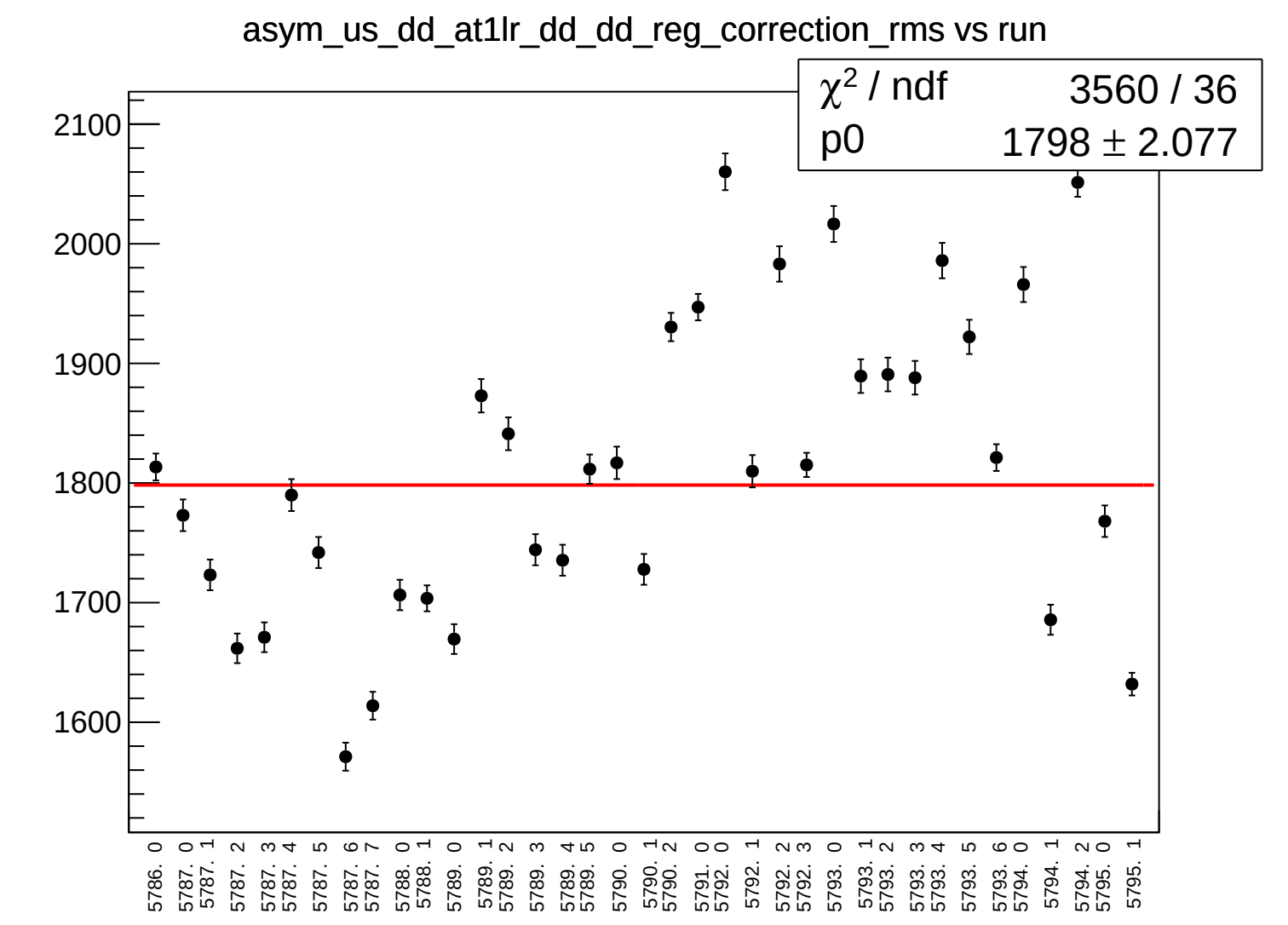
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_at1lr_dd_dd_reg_correction_mean vs run
χ² / ndf 41.68 / 36
p0 5633 ± 2938
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.13
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.009671
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_reg_correction_rms vs run
χ² / ndf 3560 / 36
p0 1798 ± 2.077
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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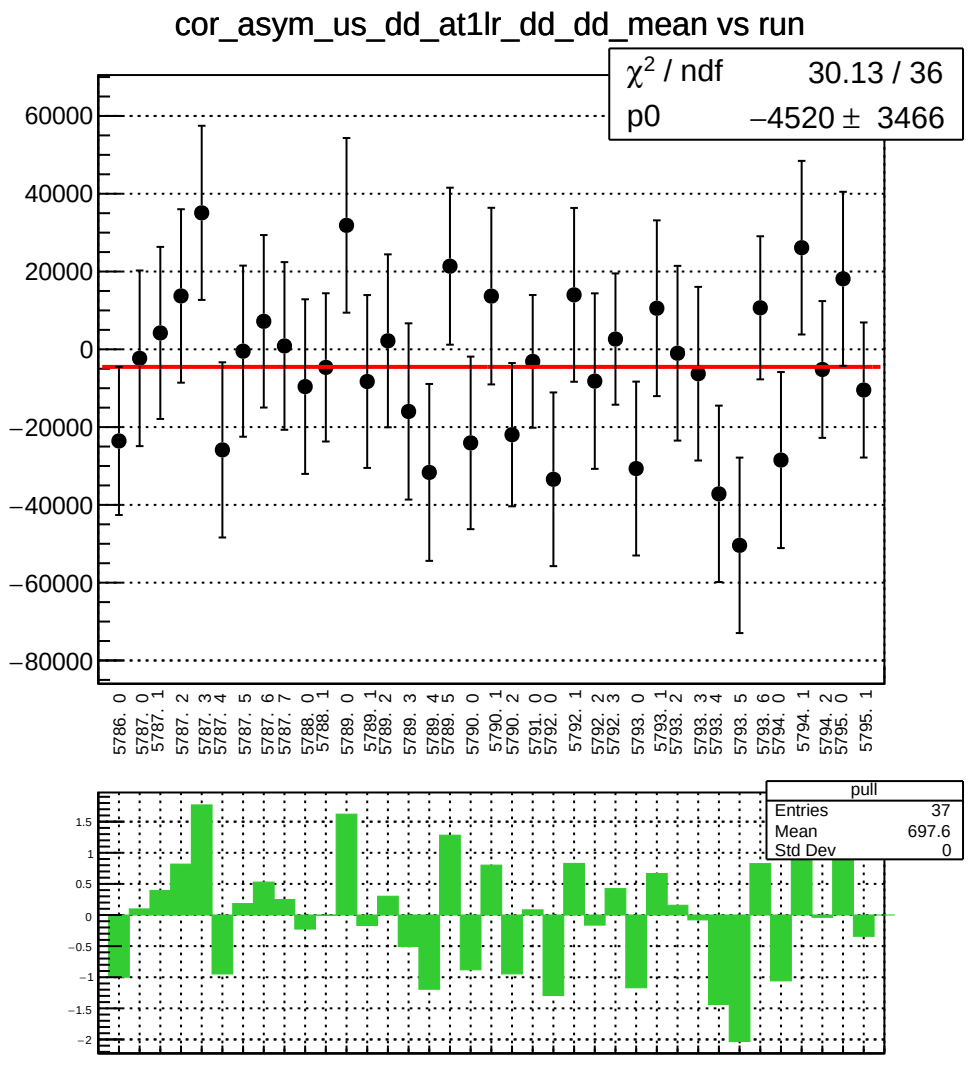
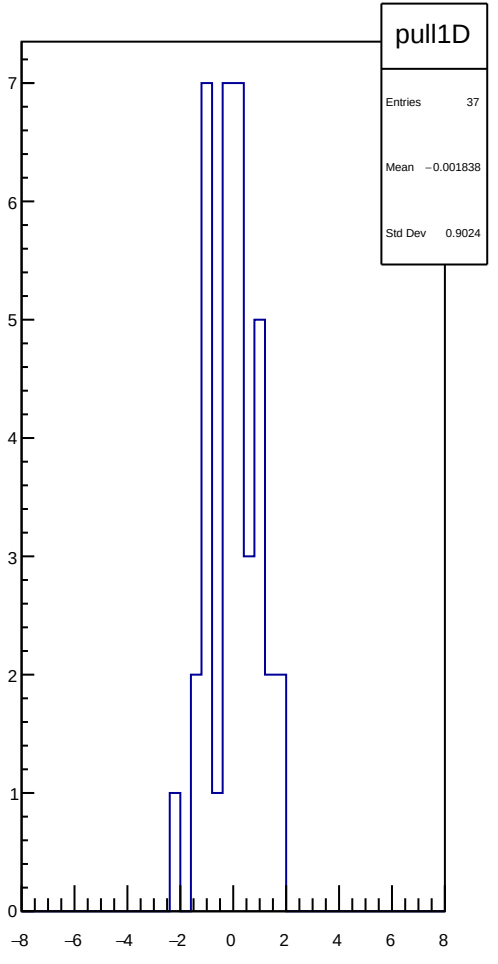
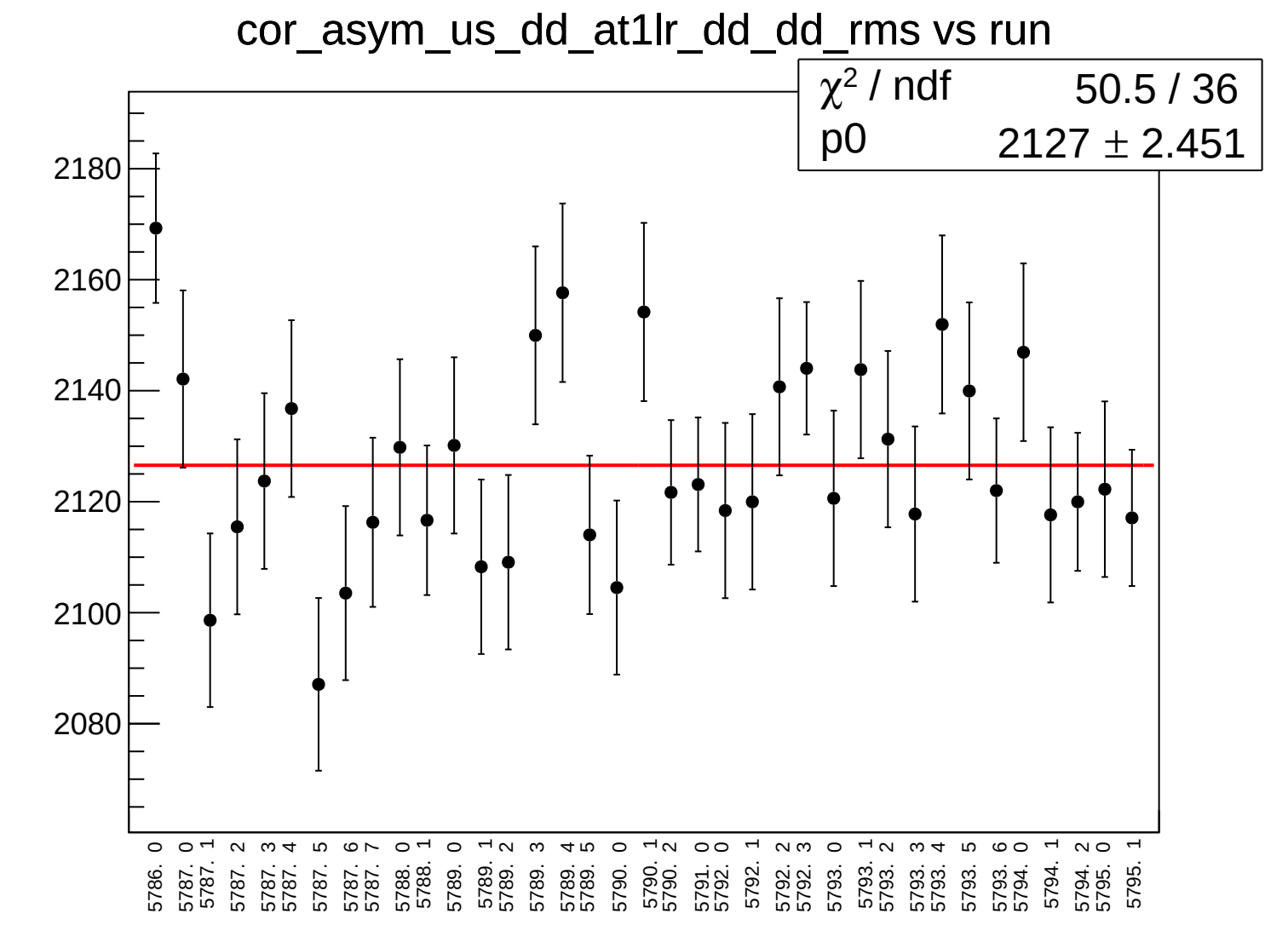
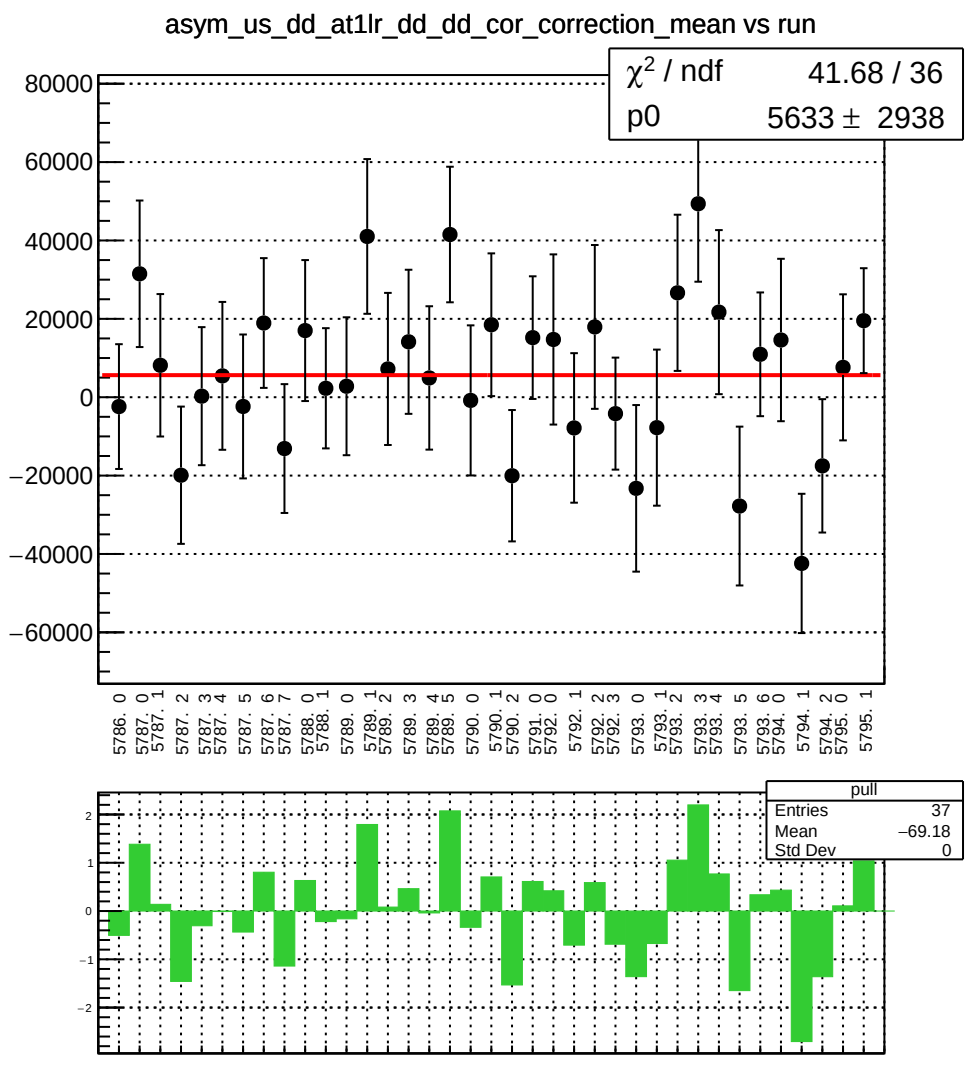
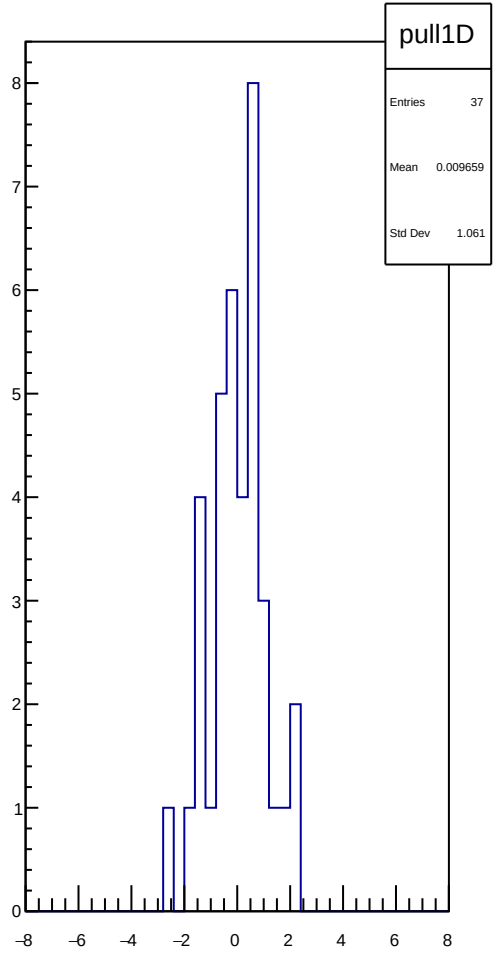
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 30.13 / 36
p0 −4520 ± 3466
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 697.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.001838
Std Dev 0.9024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 50.5 / 36
p0 2127 ± 2.451
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_us_dd_at1lr_dd_dd_cor_correction_mean vs run
χ² / ndf 41.68 / 36
p0 5633 ± 2938
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.18
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.009659
Std Dev 1.061
8
7
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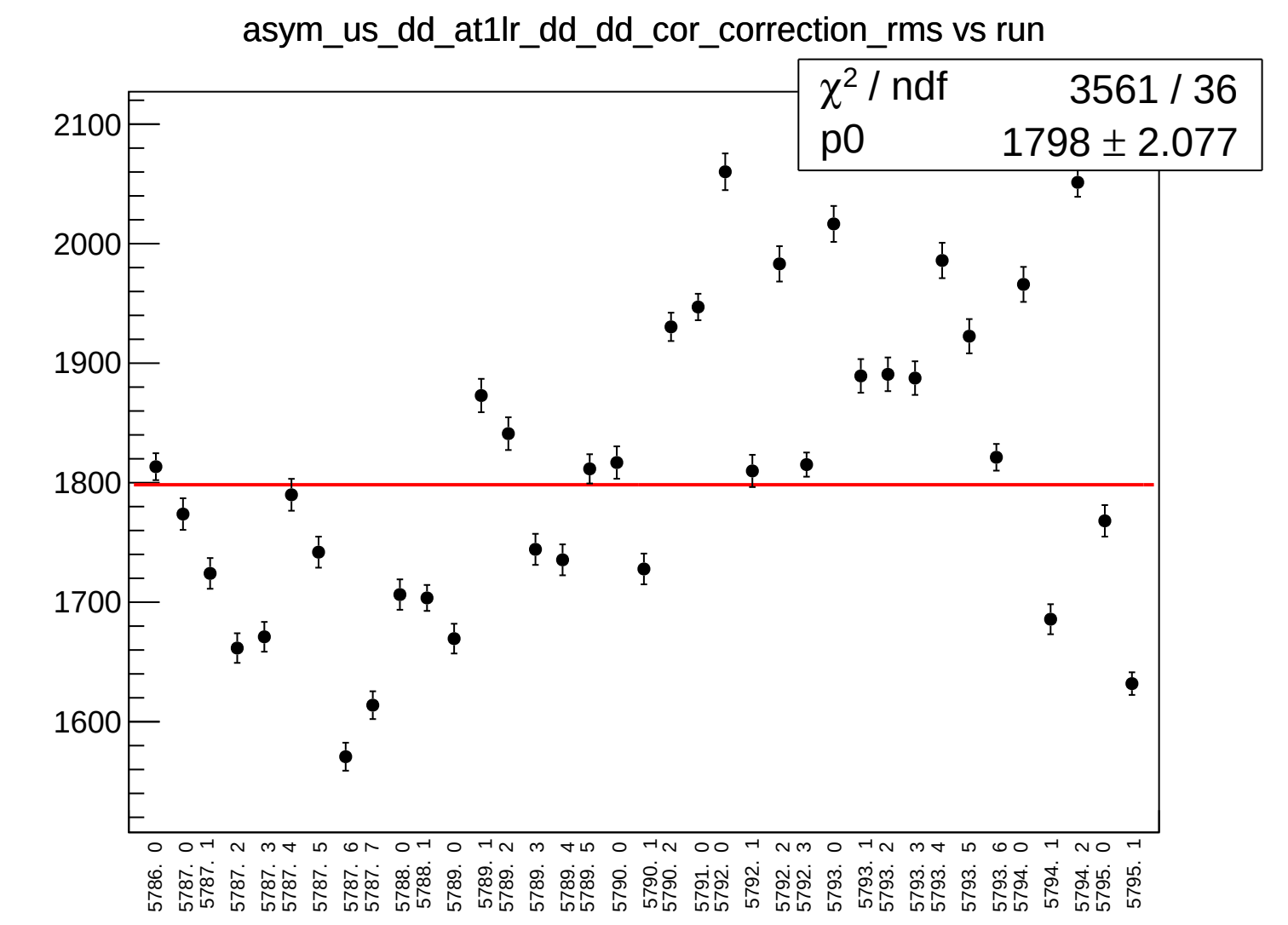
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_cor_correction_rms vs run
χ² / ndf 3561 / 36
p0 1798 ± 2.077
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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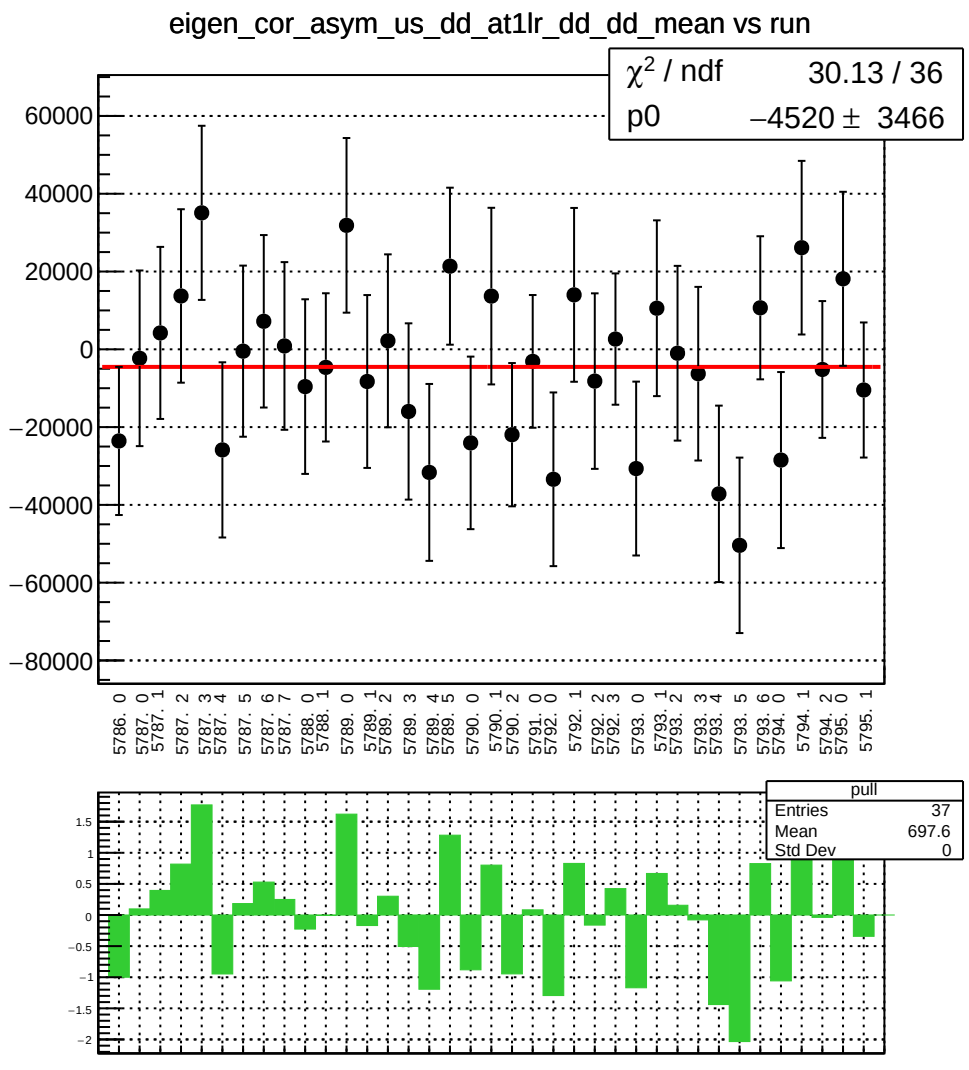
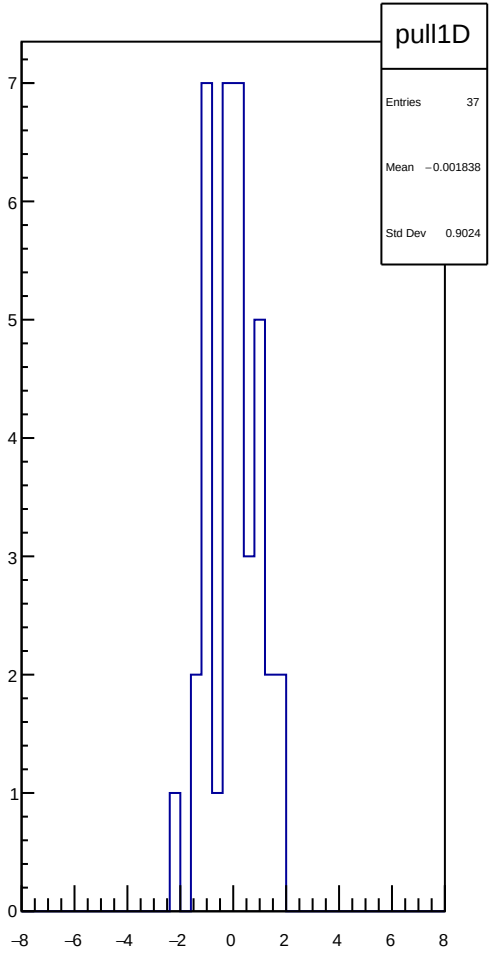
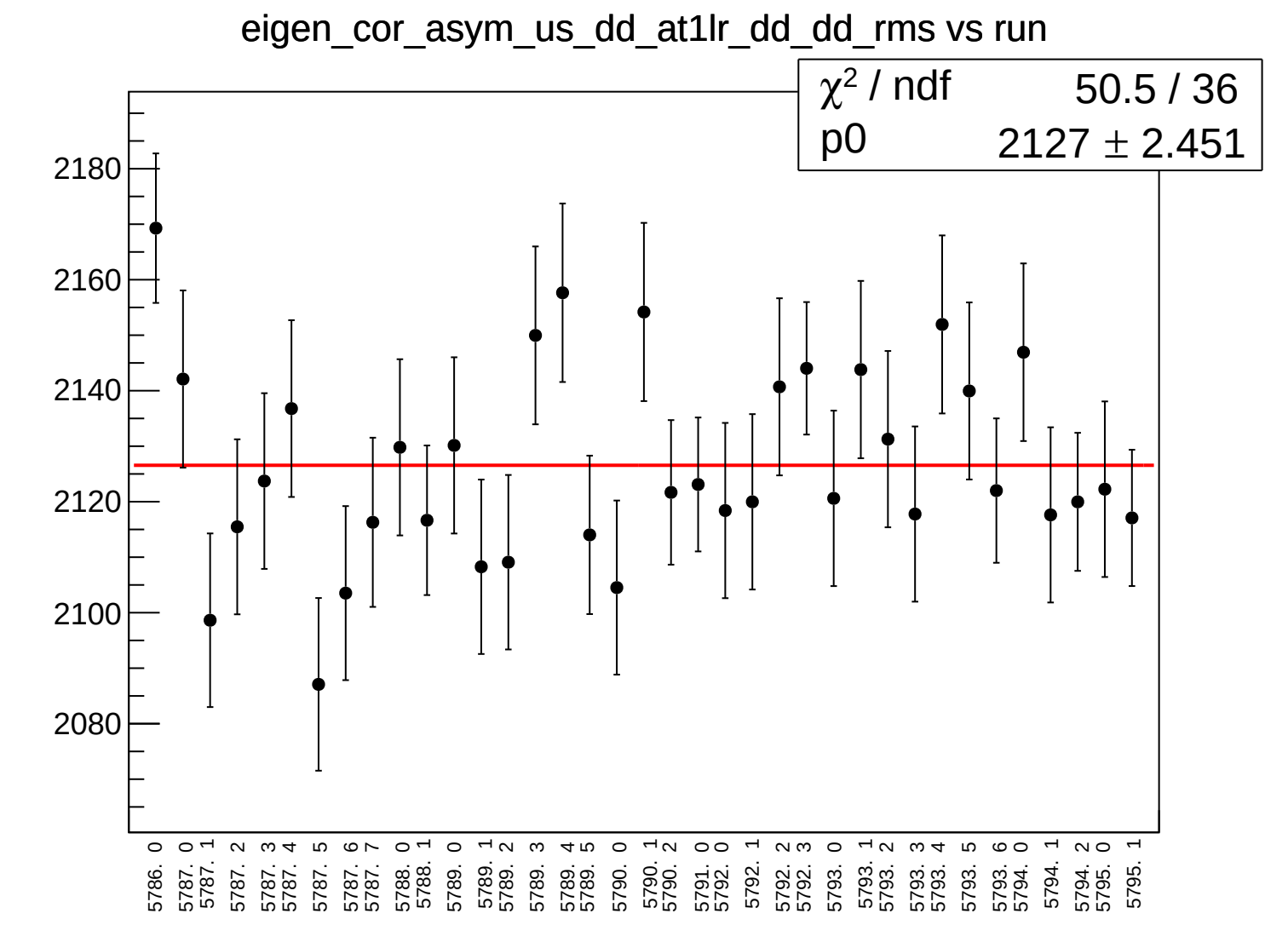
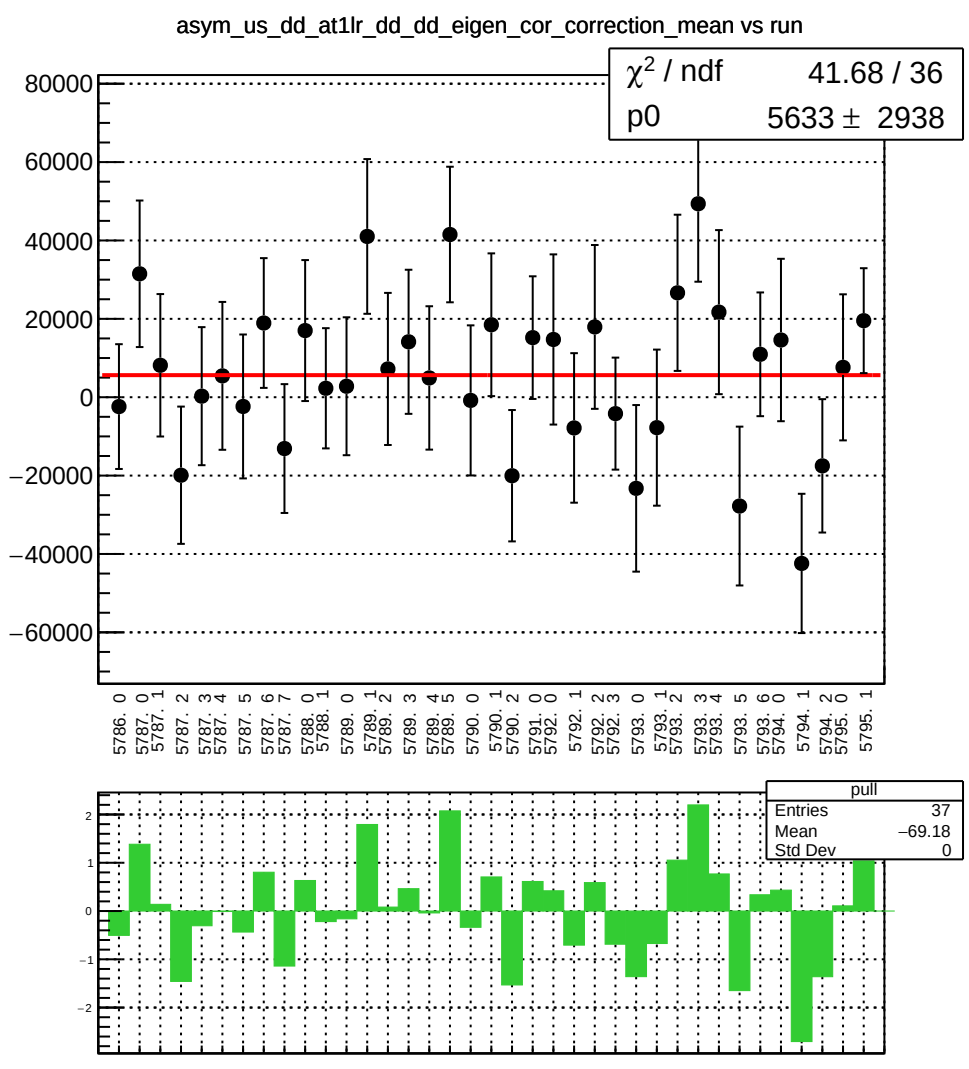
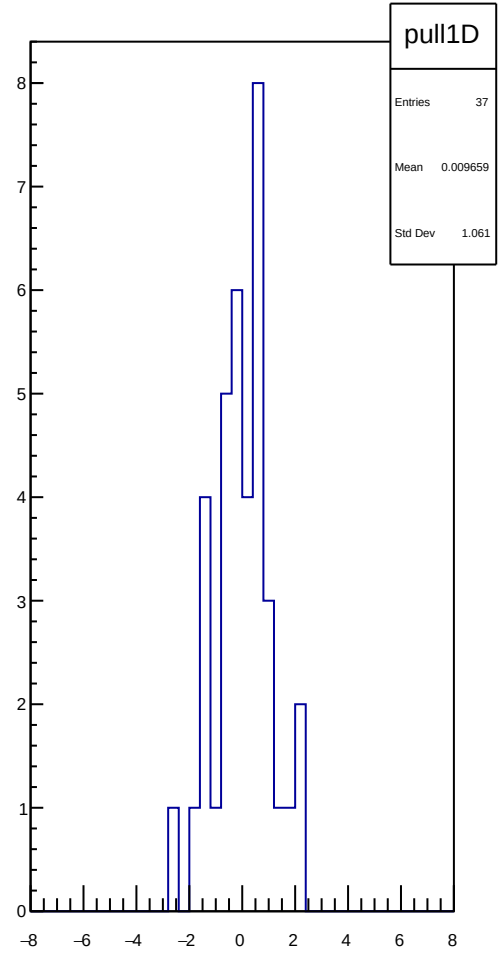
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

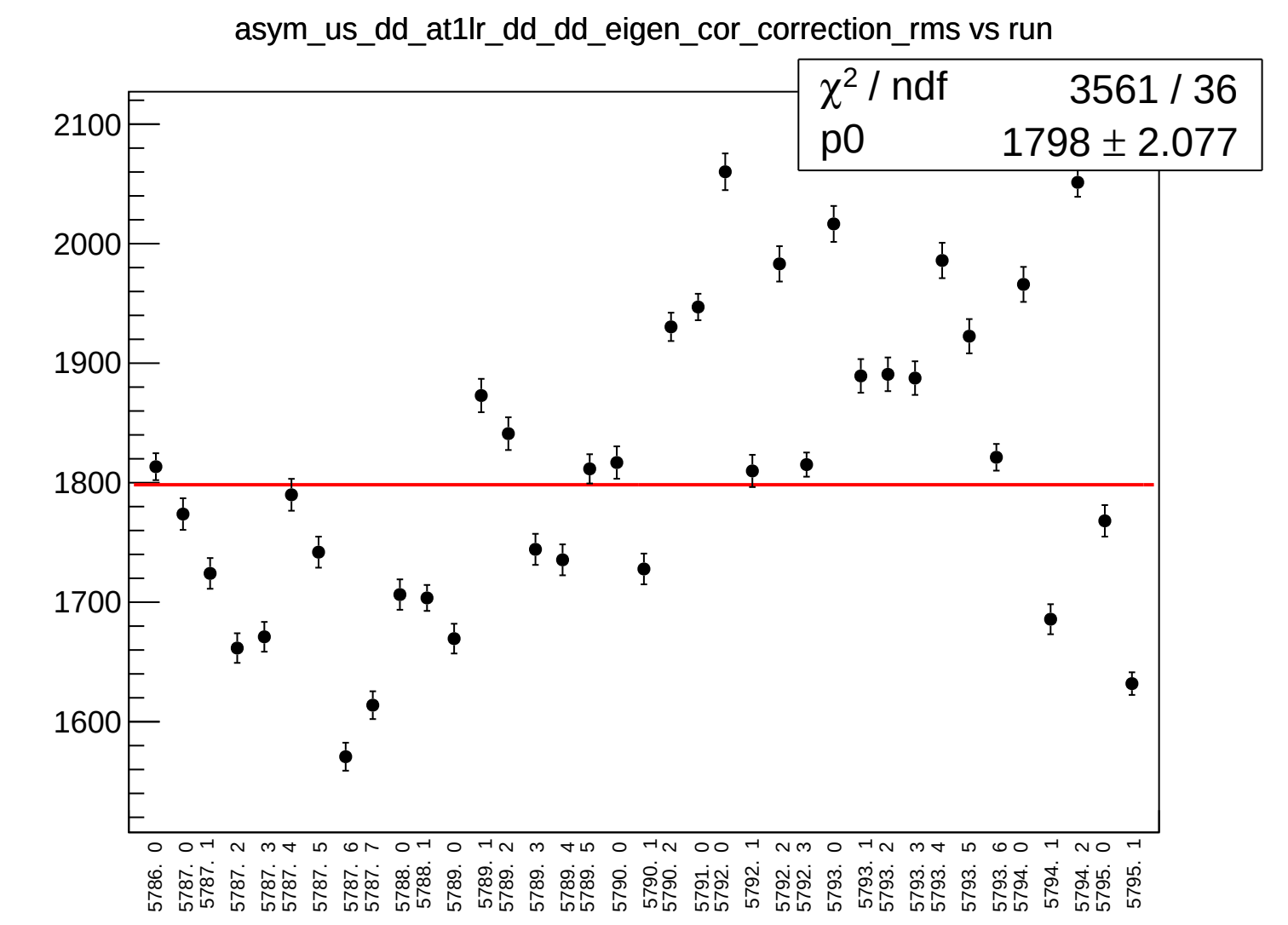

eigen_cor_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 30.13 / 36
p0 −4520 ± 3466
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 697.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

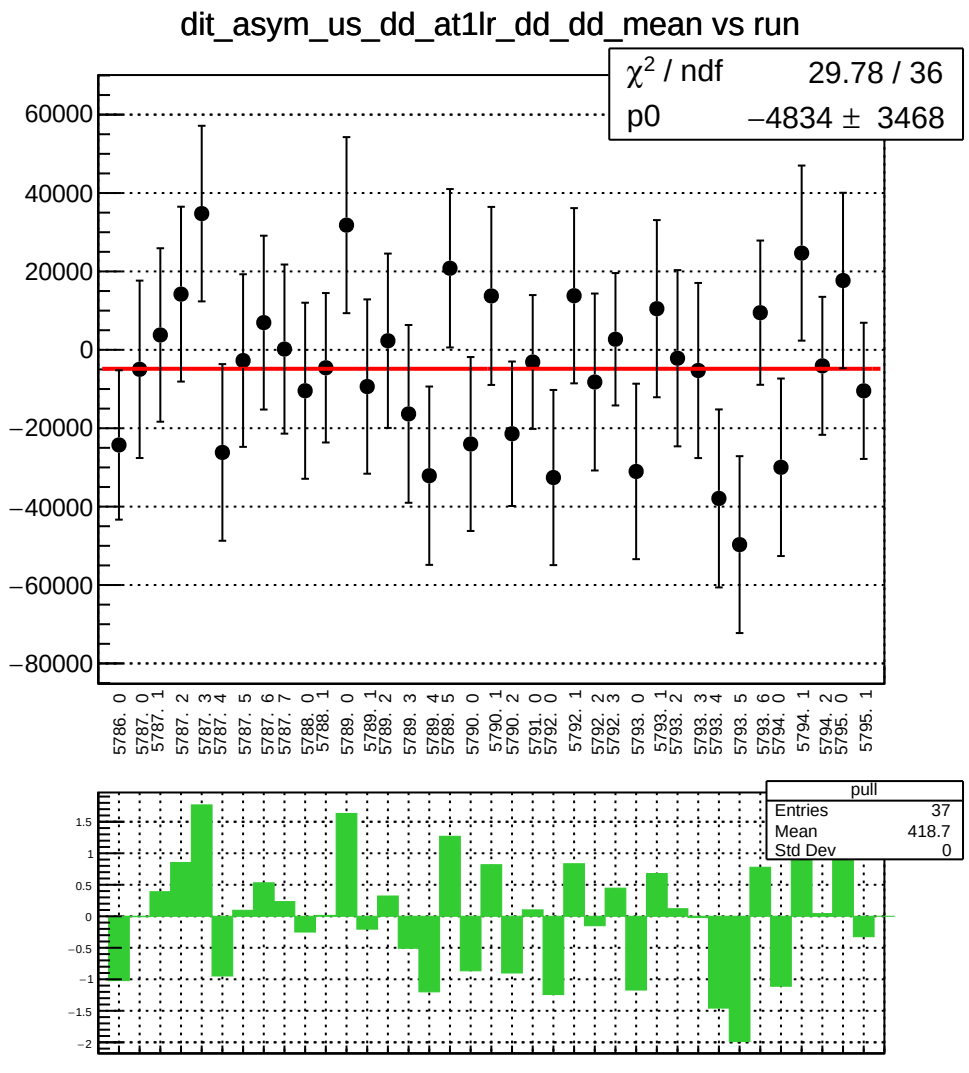

pull1D
Entries 37
Mean −0.001838
Std Dev 0.9024
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

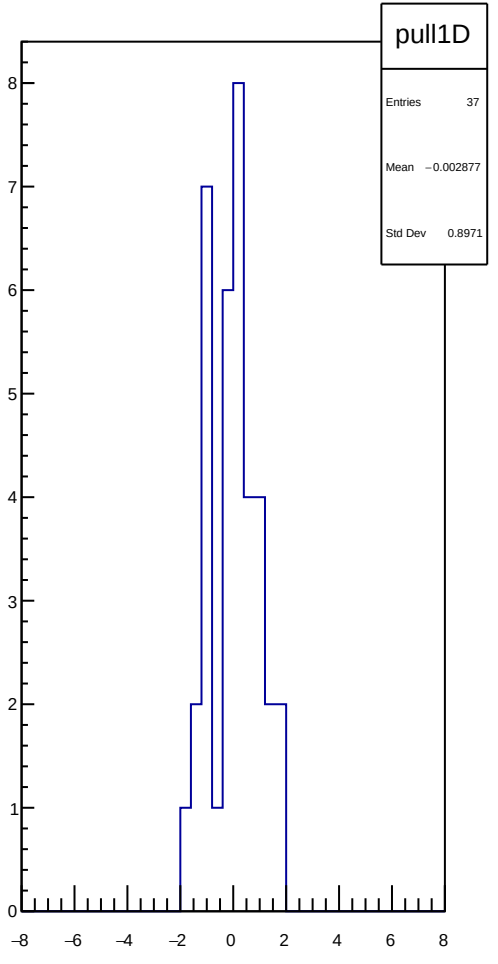

eigen_cor_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 50.5 / 36
p0 2127 ± 2.451
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

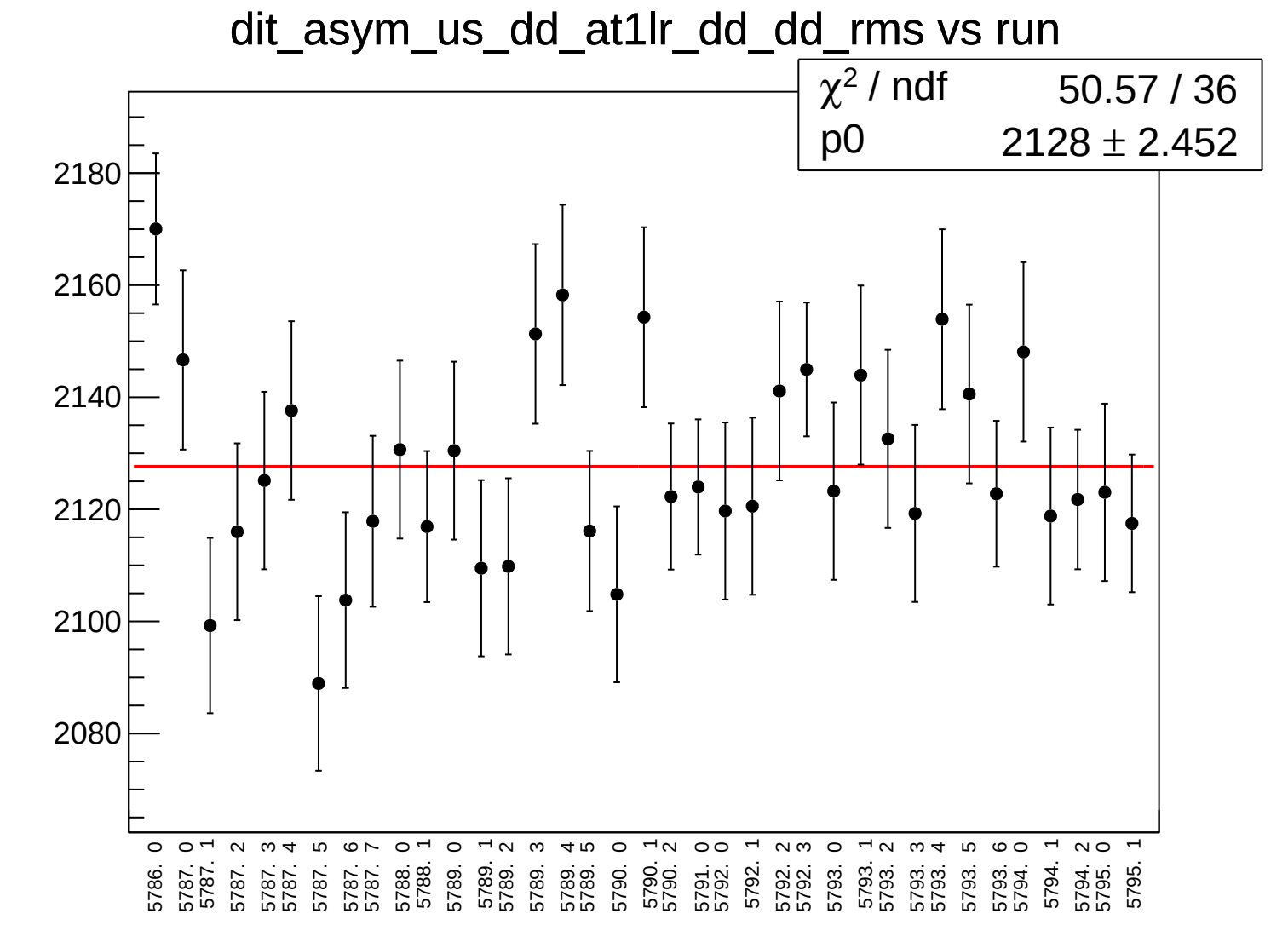

asym_us_dd_at1lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.68 / 36
p0 5633 ± 2938
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −69.18
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.009659
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at1lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 3561 / 36
p0 1798 ± 2.077
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 29.78 / 36
p0 −4834 ± 3468
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 418.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.002877
Std Dev 0.8971
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 50.57 / 36
p0 2128 ± 2.452
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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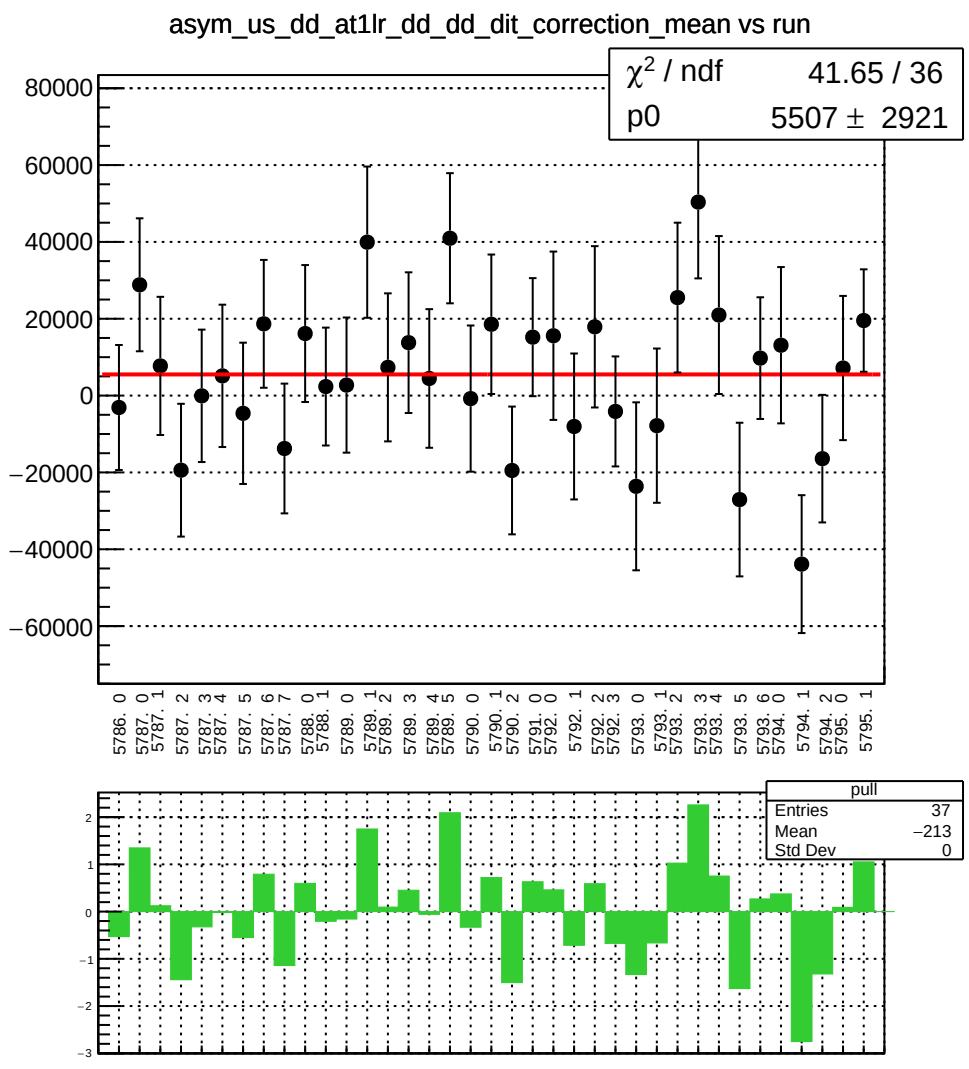
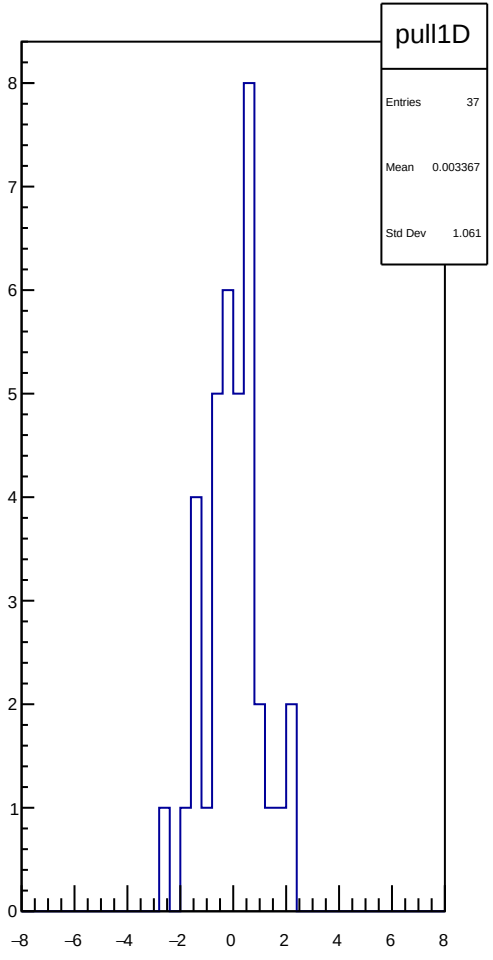
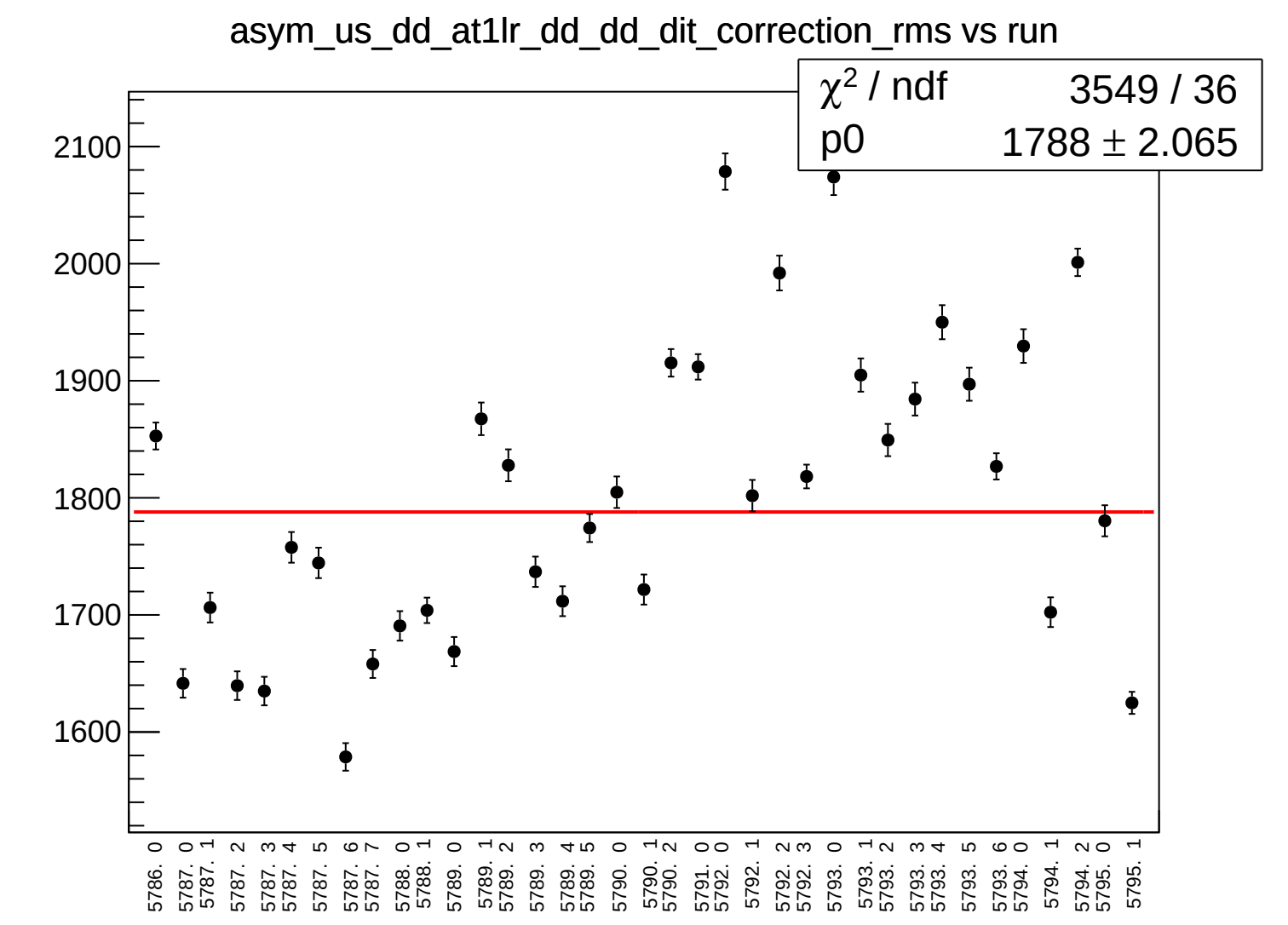
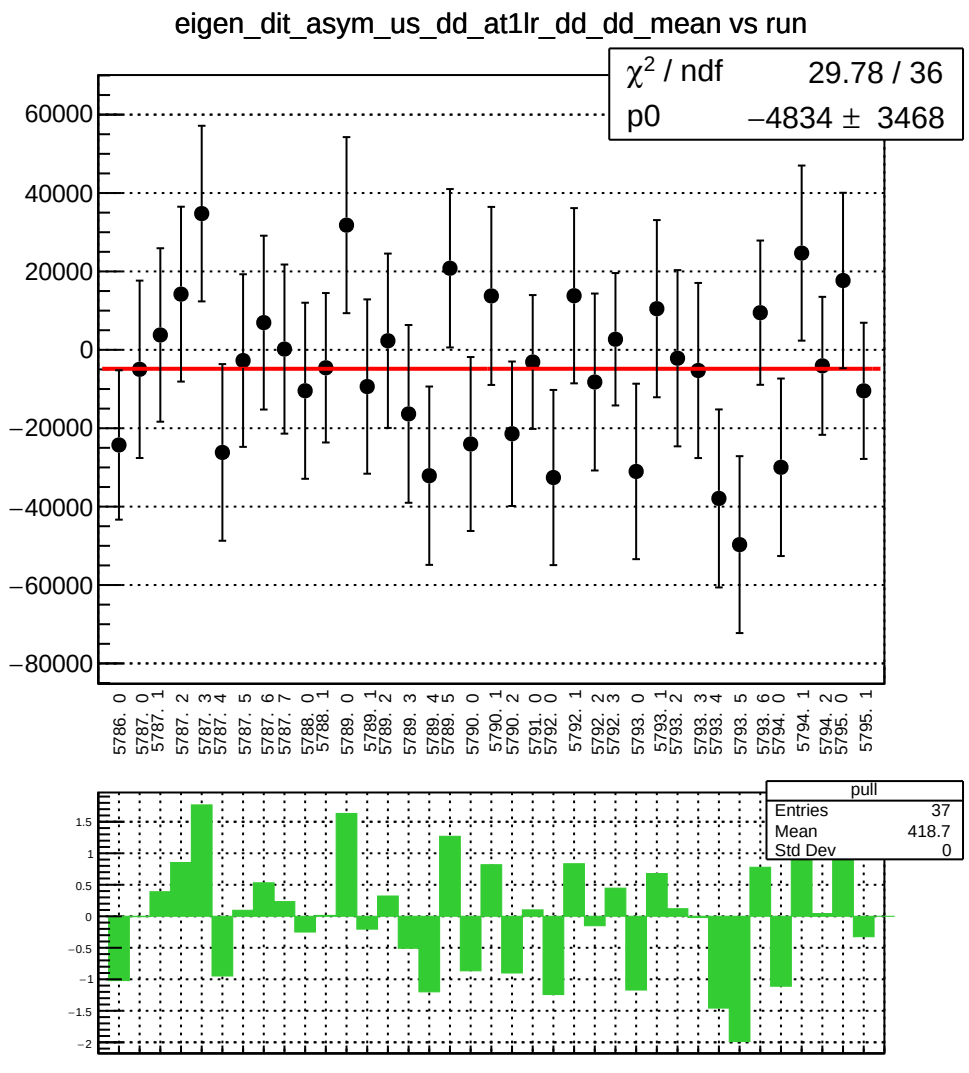
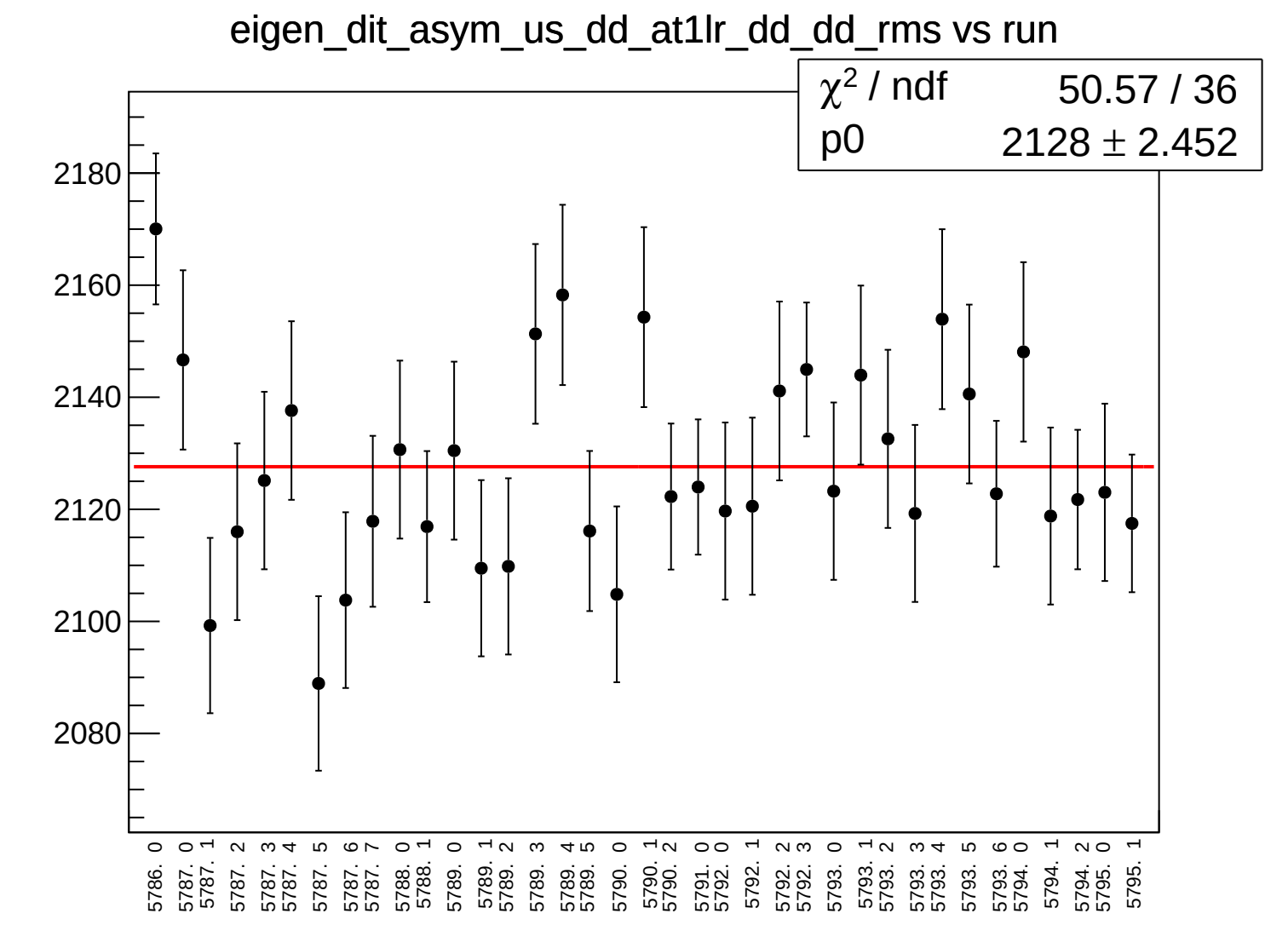
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

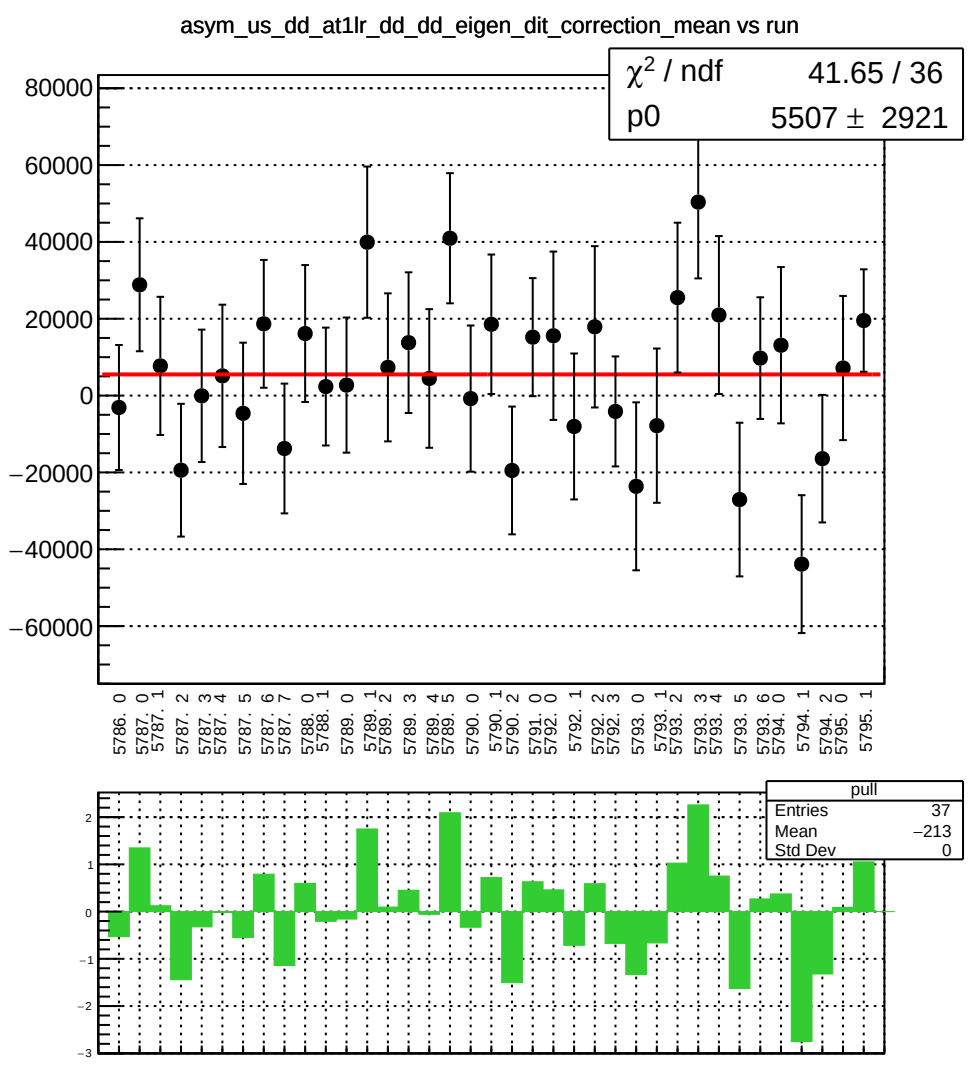

asym_us_dd_at1lr_dd_dd_dit_correction_mean vs run
χ² / ndf 41.65 / 36
p0 5507 ± 2921
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −213
Std Dev 0
2
1
0
−1
−2
−3

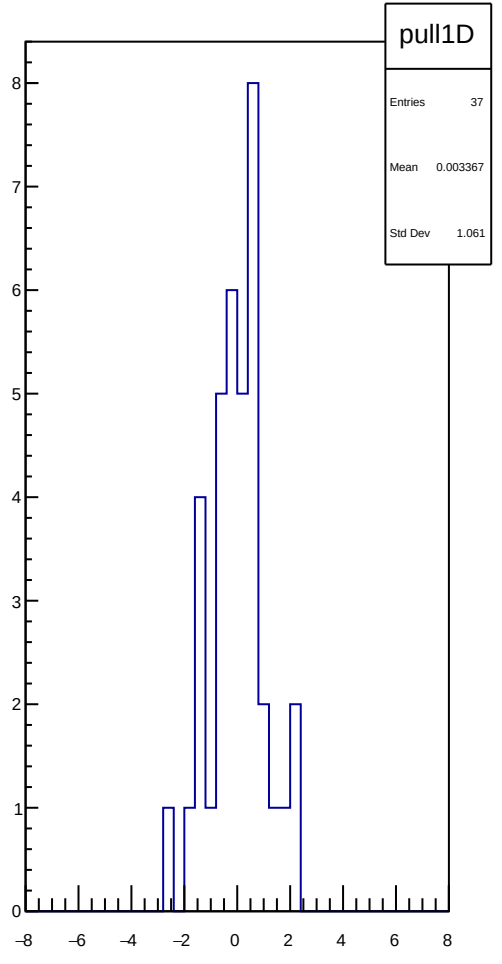

pull1D
Entries 37
Mean 0.003367
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

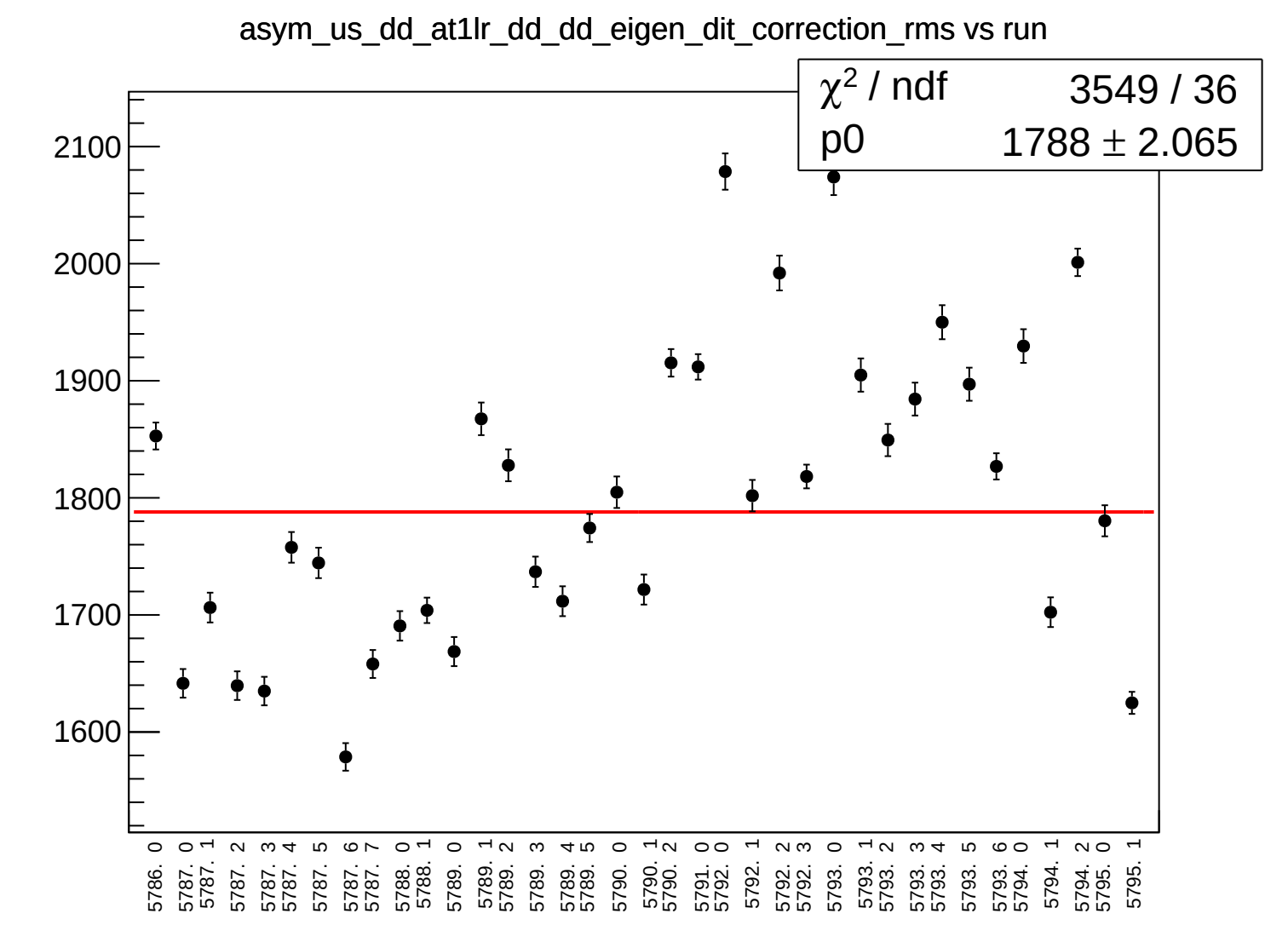

asym_us_dd_at1lr_dd_dd_dit_correction_rms vs run
χ² / ndf 3549 / 36
p0 1788 ± 2.065
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

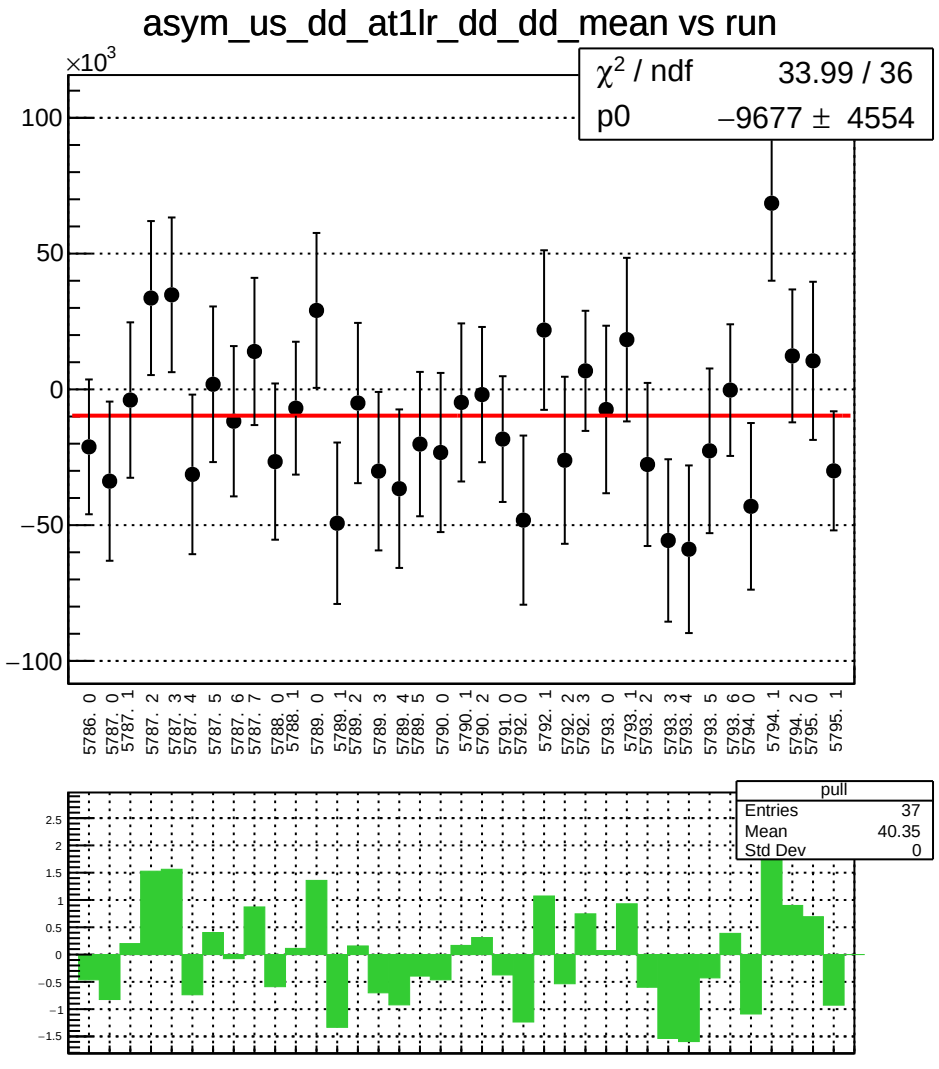

eigen_dit_asym_us_dd_at1lr_dd_dd_mean vs run
χ² / ndf 29.78 / 36
p0 −4834 ± 3468
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 418.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002877
Std Dev 0.8971
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

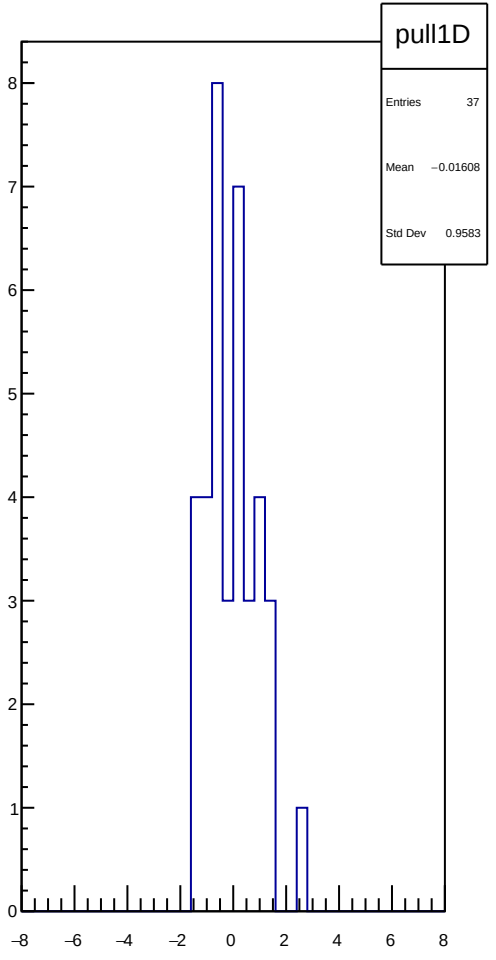

eigen_dit_asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 50.57 / 36
p0 2128 ± 2.452
2180
2160
2140
2120
2100
2080
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

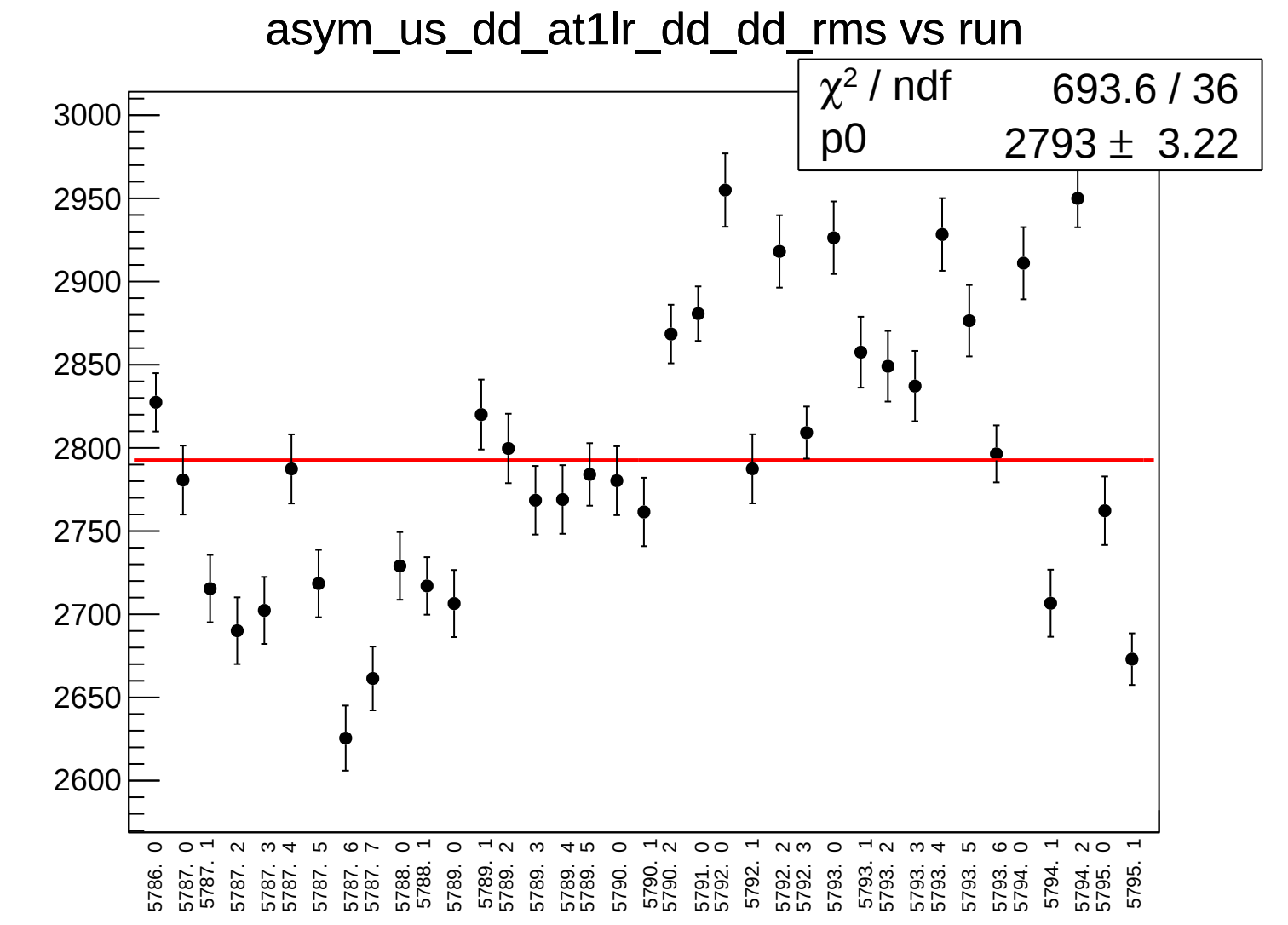

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.65 / 36
p0 5507 ± 2921
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −213
Std Dev 0
2
1
0
−1
−2
−3

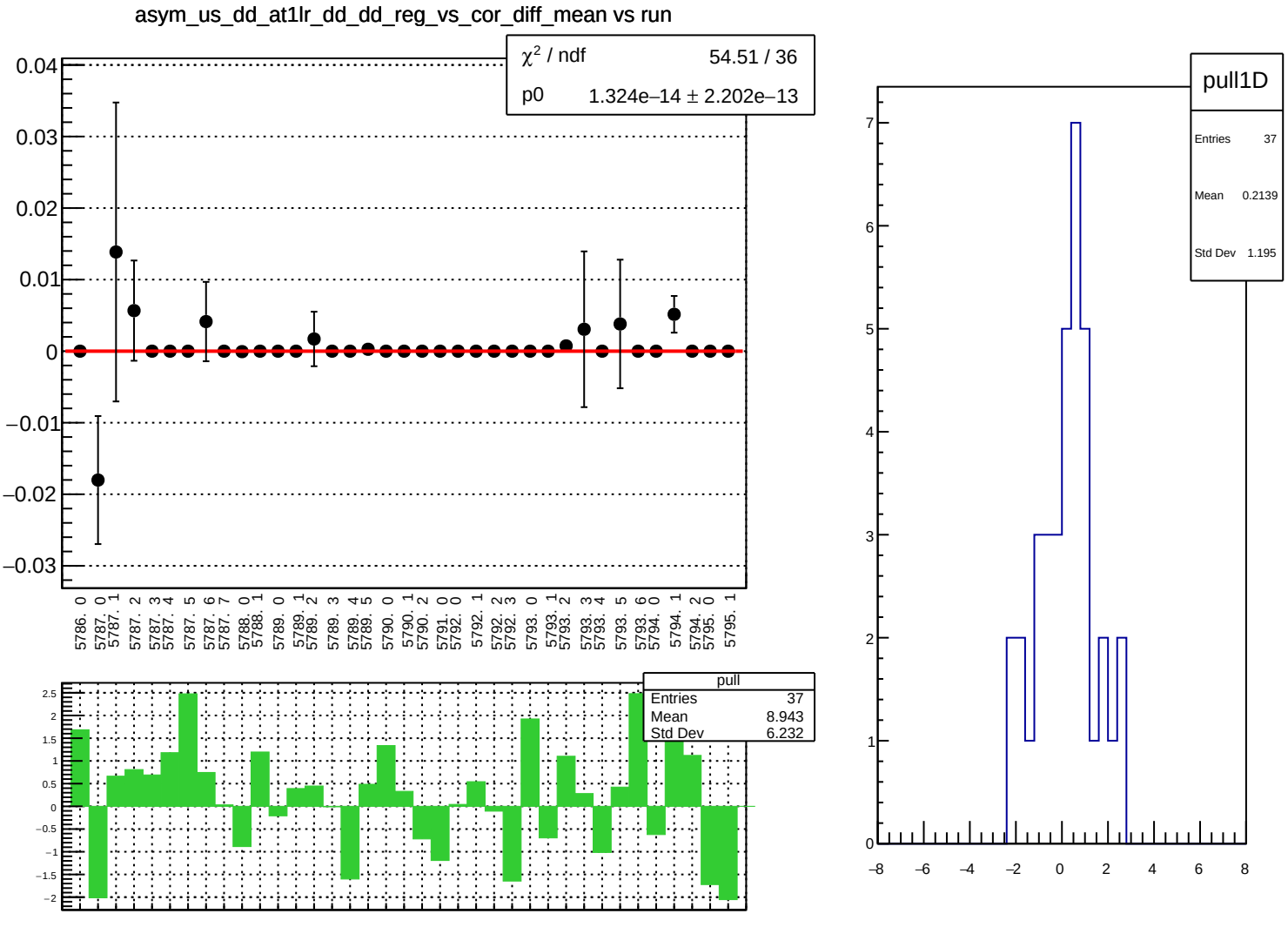

pull1D
Entries 37
Mean 0.003367
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

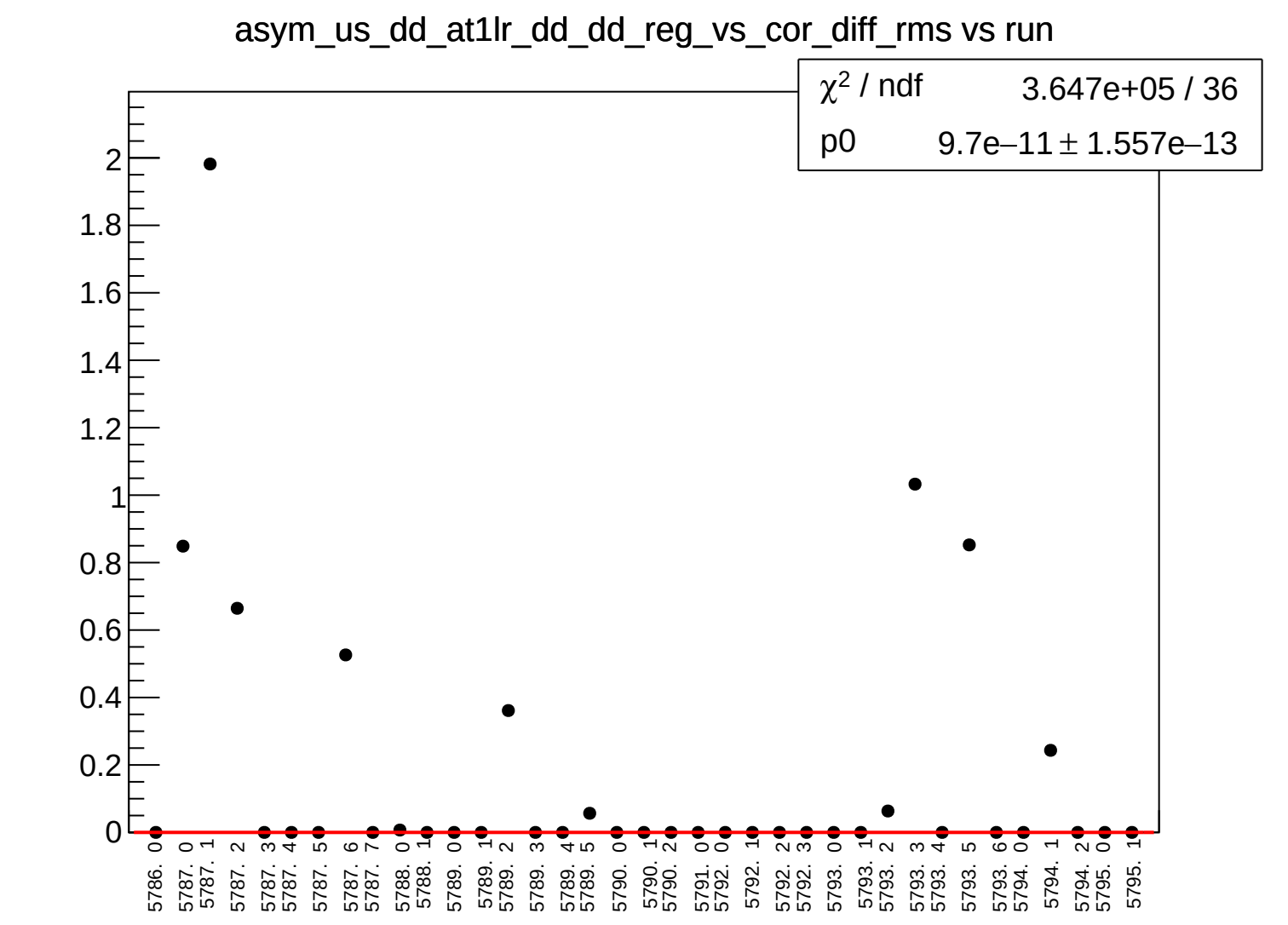

asym_us_dd_at1lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 3549 / 36
p0 1788 ± 2.065
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

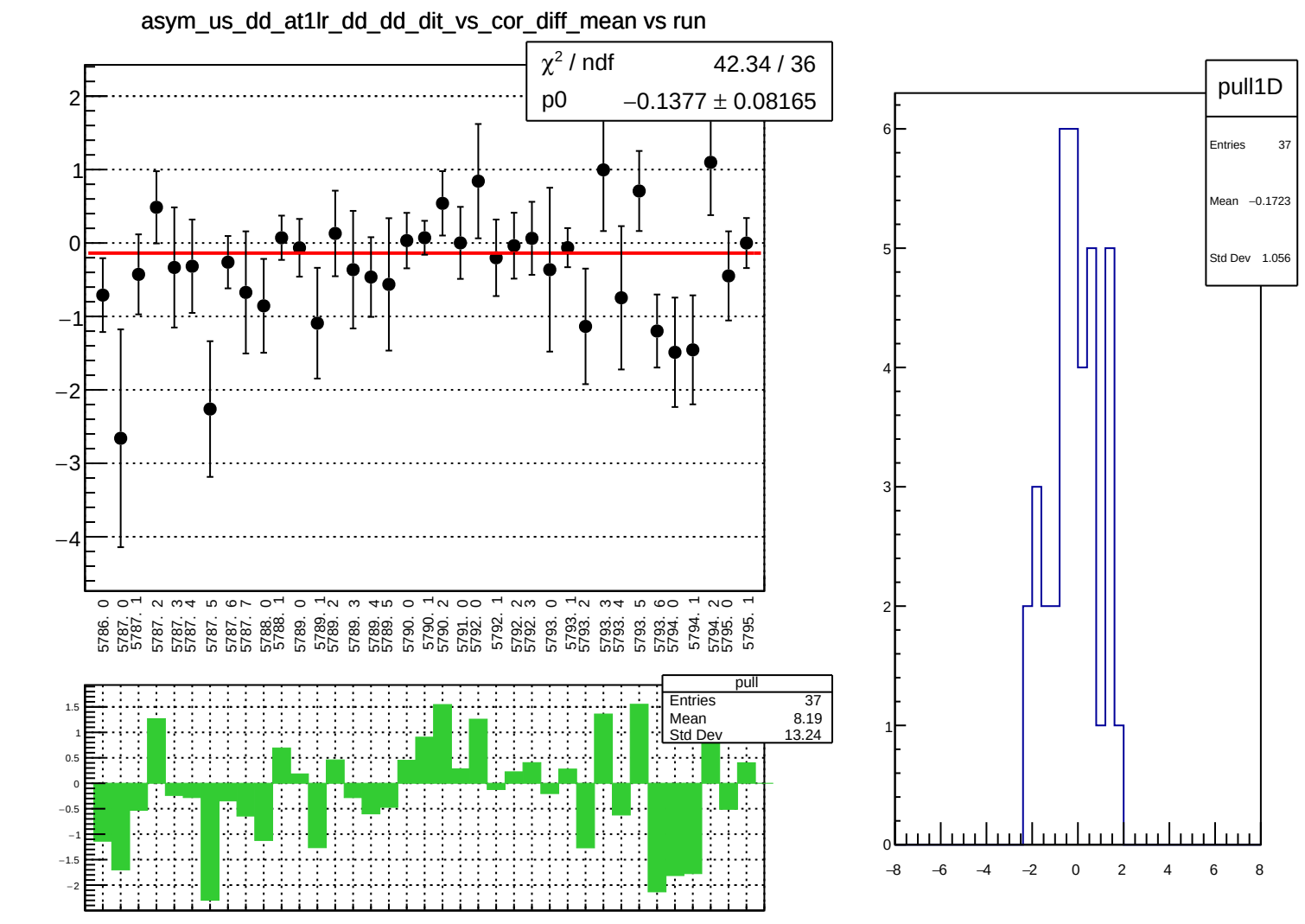

asym_us_dd_at1lr_dd_dd_mean vs run
×10^3
χ² / ndf 33.99 / 36
p0 −9677 ± 4554
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.35
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

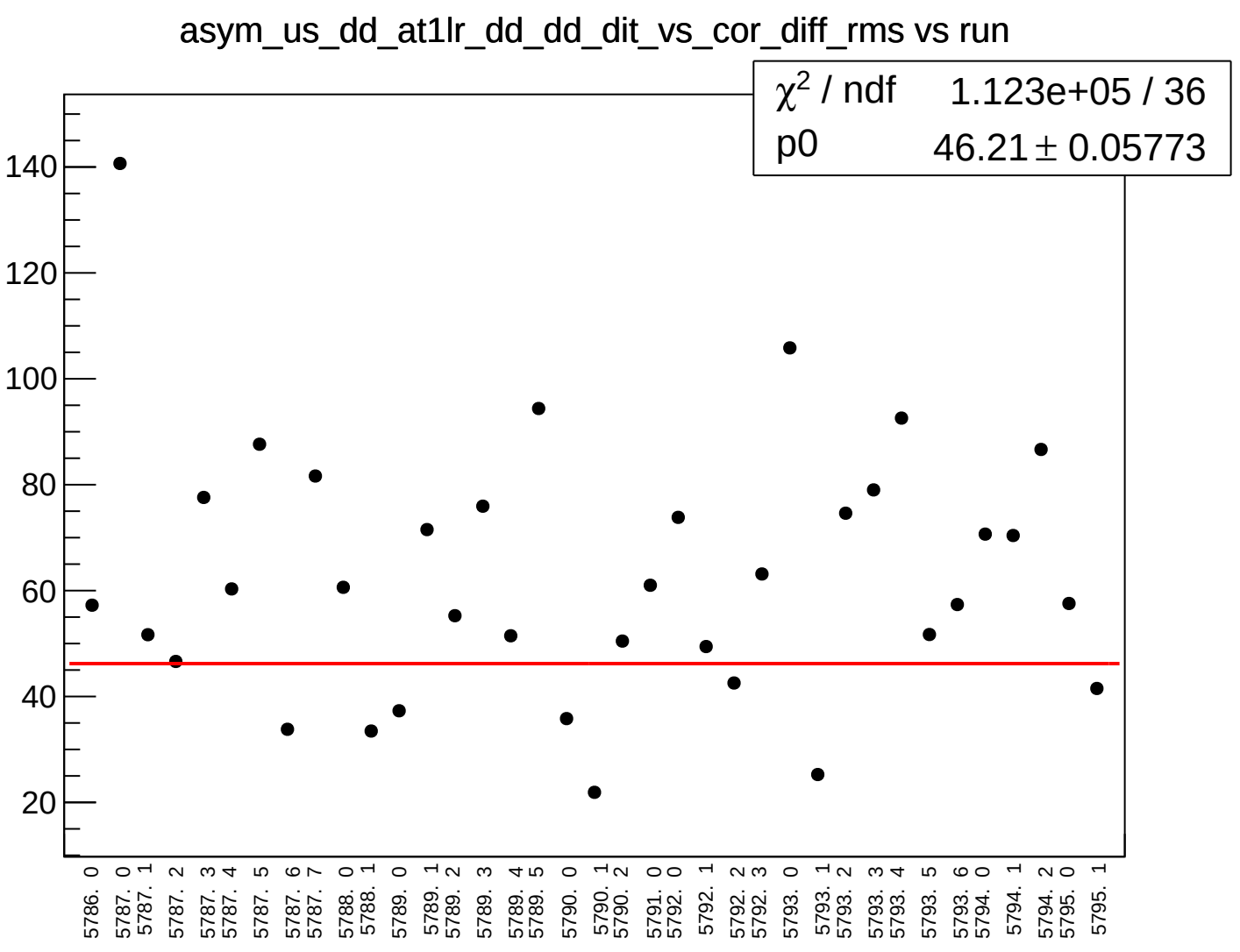

pull1D
Entries 37
Mean −0.01608
Std Dev 0.9583
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

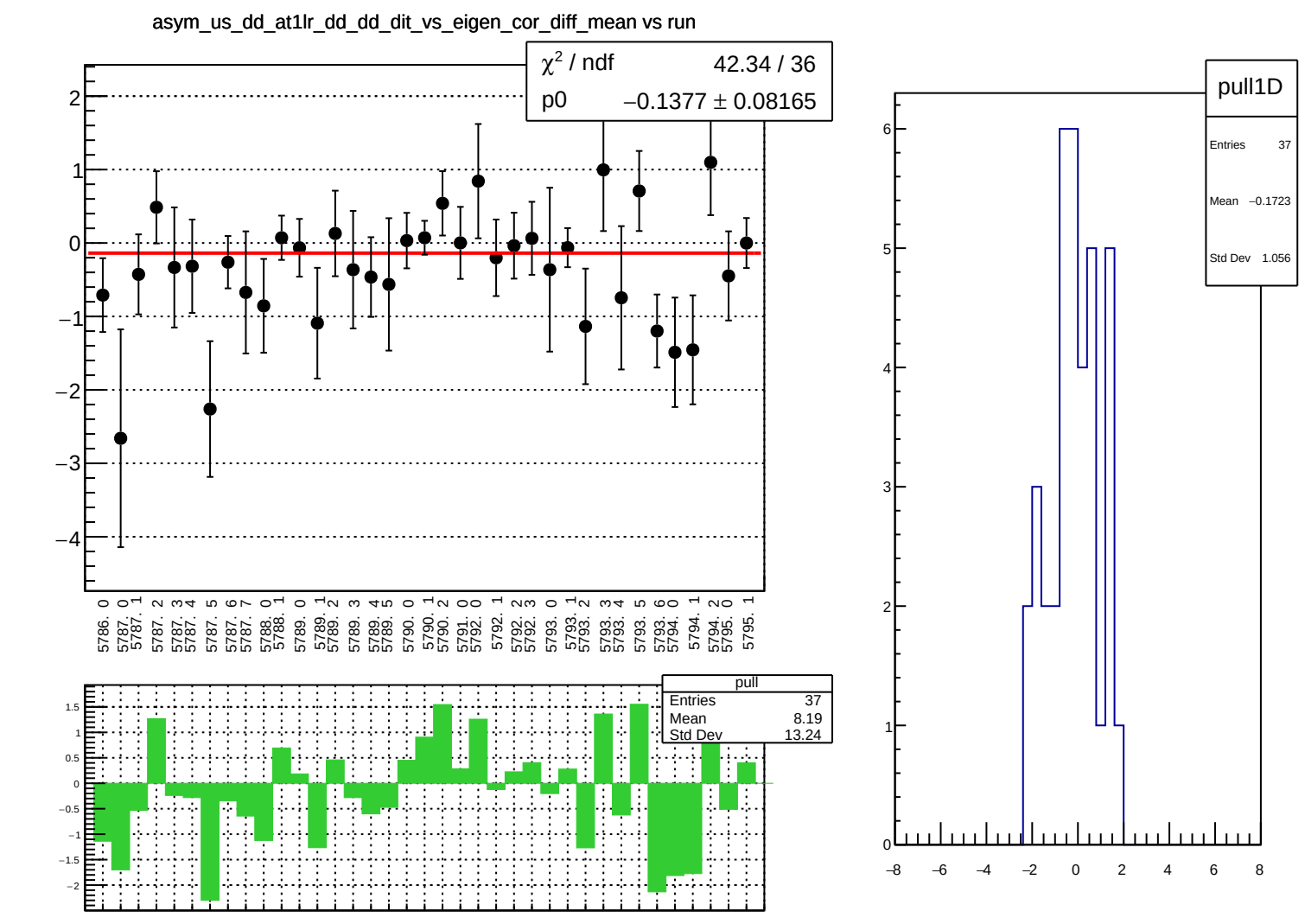

asym_us_dd_at1lr_dd_dd_rms vs run
χ² / ndf 693.6 / 36
p0 2793 ± 3.22
3000
2950
2900
2850
2800
2750
2700
2650
2600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

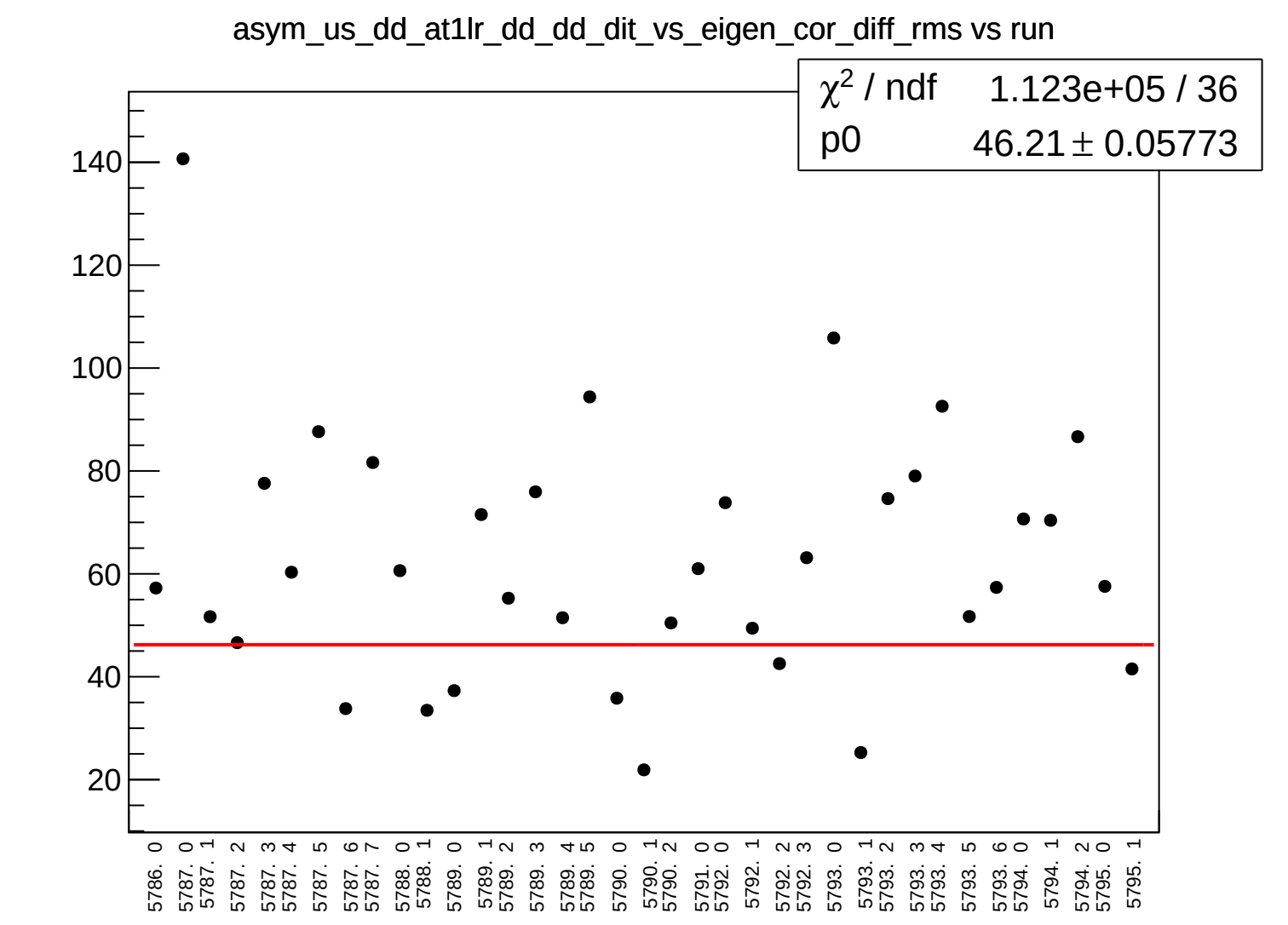

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 54.51 / 36
p0 1.324e−14 ± 2.202e−13
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 8.943
Std Dev 6.232
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.2139
Std Dev 1.195
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

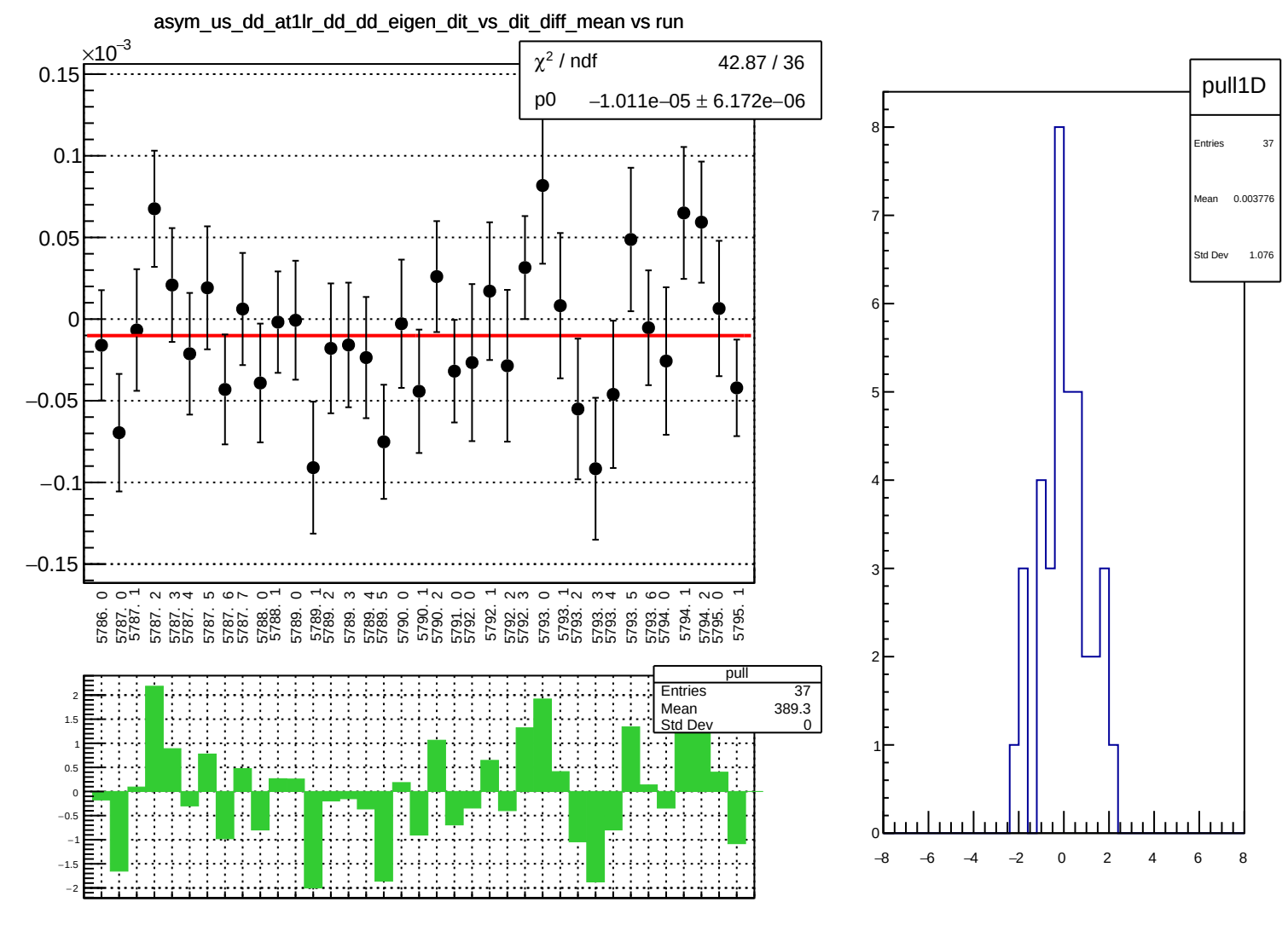

asym_us_dd_at1lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.647e+05 / 36
p0 9.7e−11 ± 1.557e−13
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

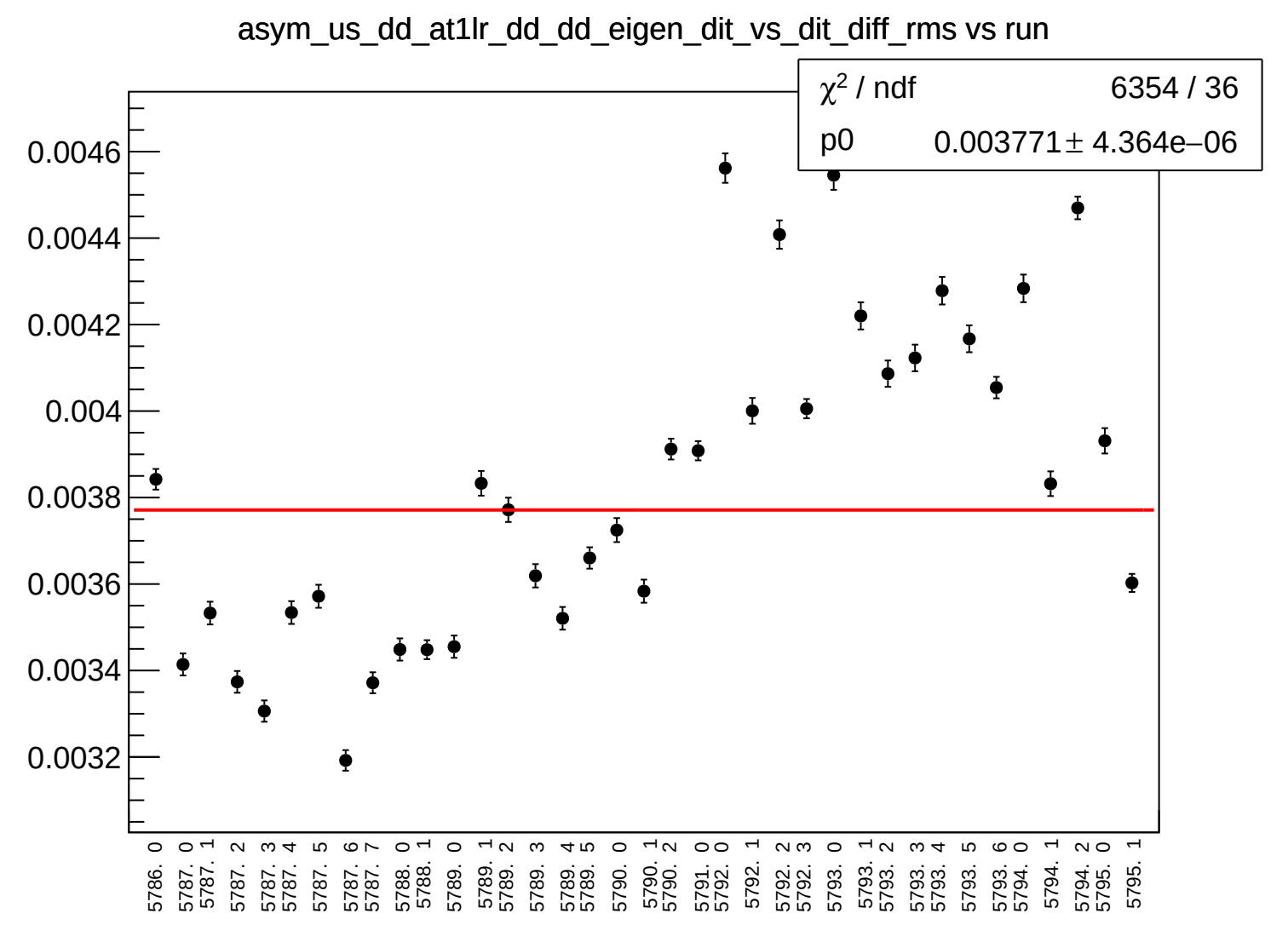

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.34 / 36
p0 −0.1377 ± 0.08165
pull
Entries 37
Mean 8.19
Std Dev 13.24
pull1D
Entries 37
Mean −0.1723
Std Dev 1.056

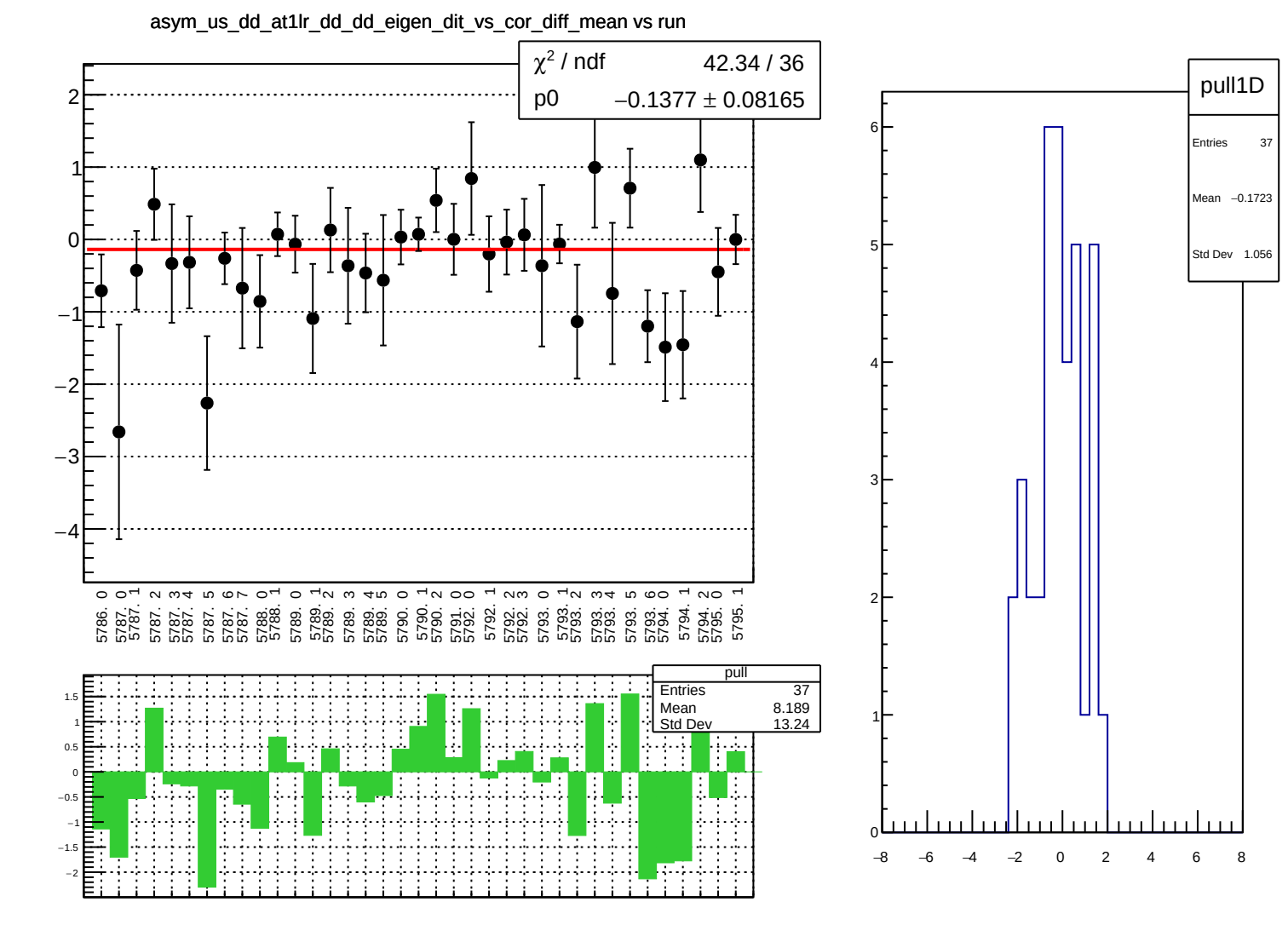

asym_us_dd_at1lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.123e+05 / 36
p0 46.21 ± 0.05773
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

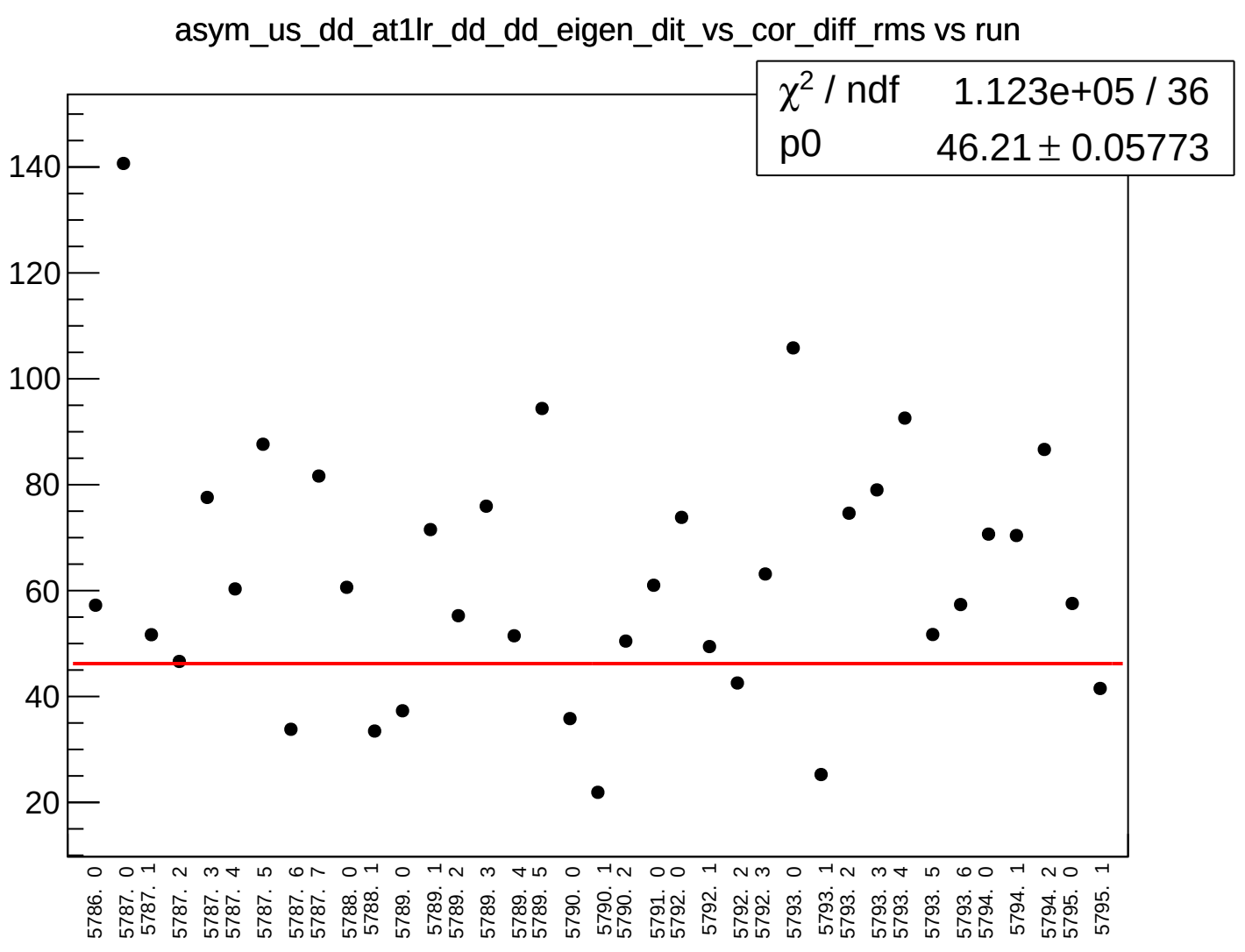

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.34 / 36
p0 −0.1377 ± 0.08165
pull
Entries 37
Mean 8.19
Std Dev 13.24
pull1D
Entries 37
Mean −0.1723
Std Dev 1.056

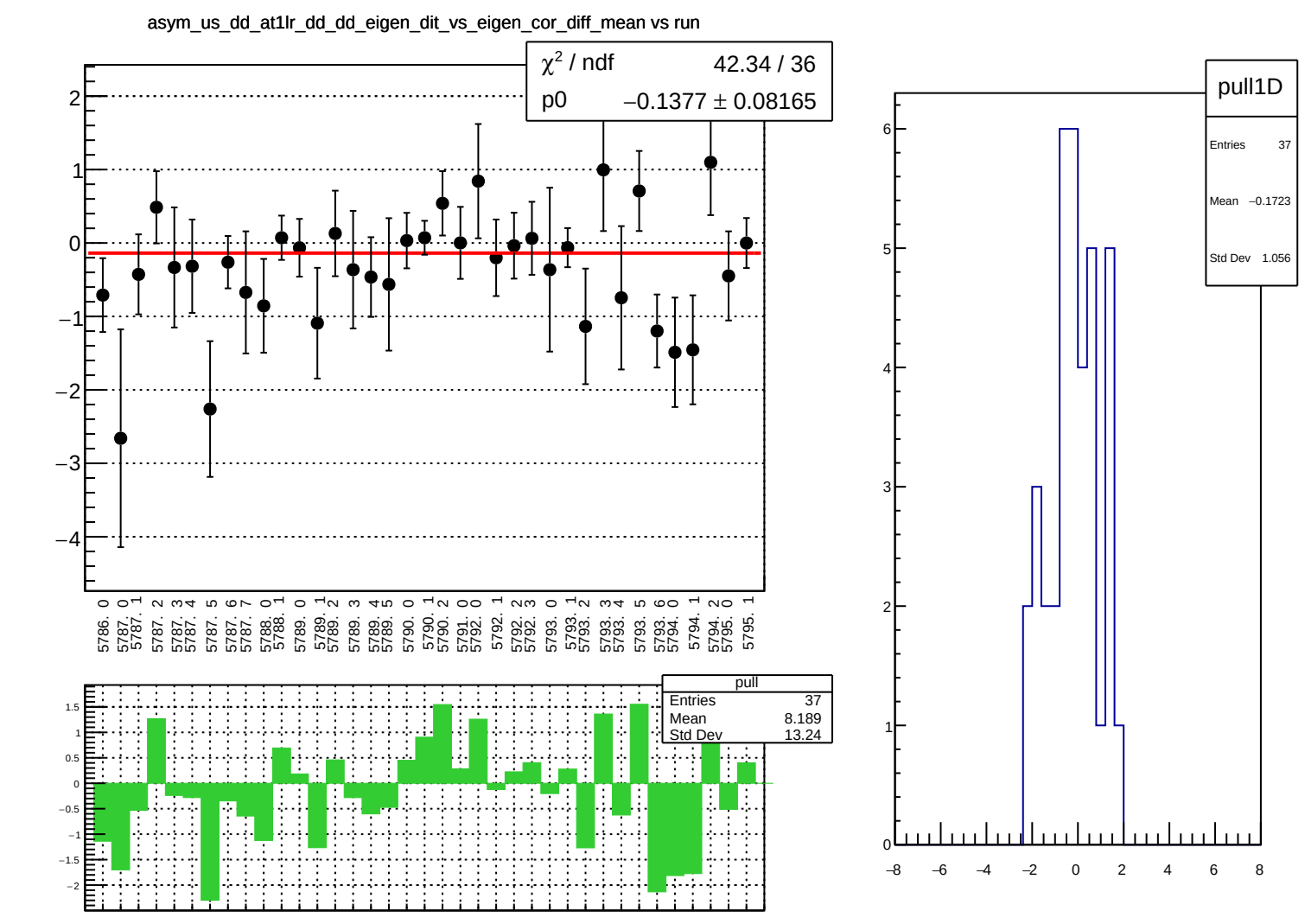

asym_us_dd_at1lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.123e+05 / 36
p0 46.21 ± 0.05773
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

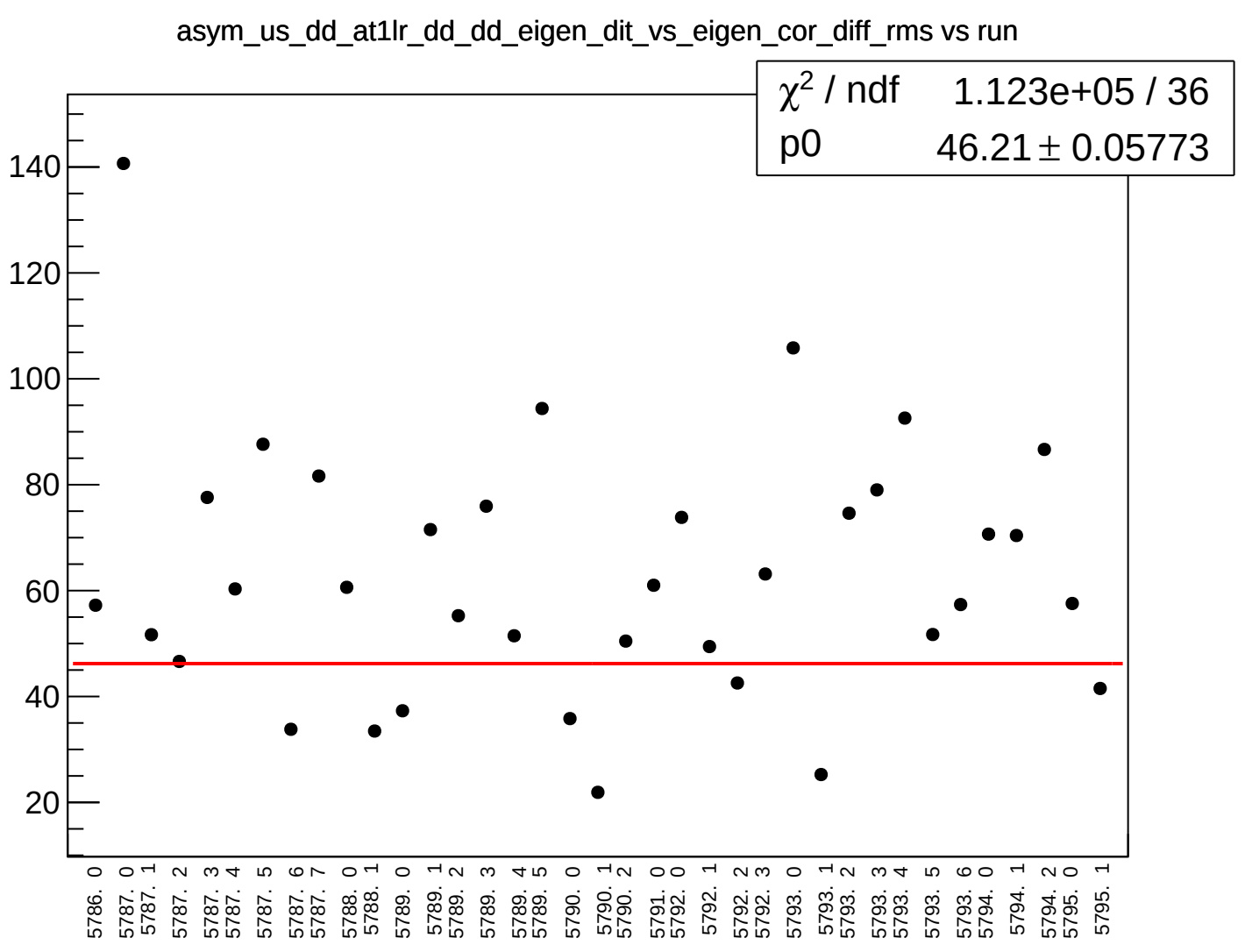

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.87 / 36
p0 −1.011e−05 ± 6.172e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 389.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003776
Std Dev 1.076
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

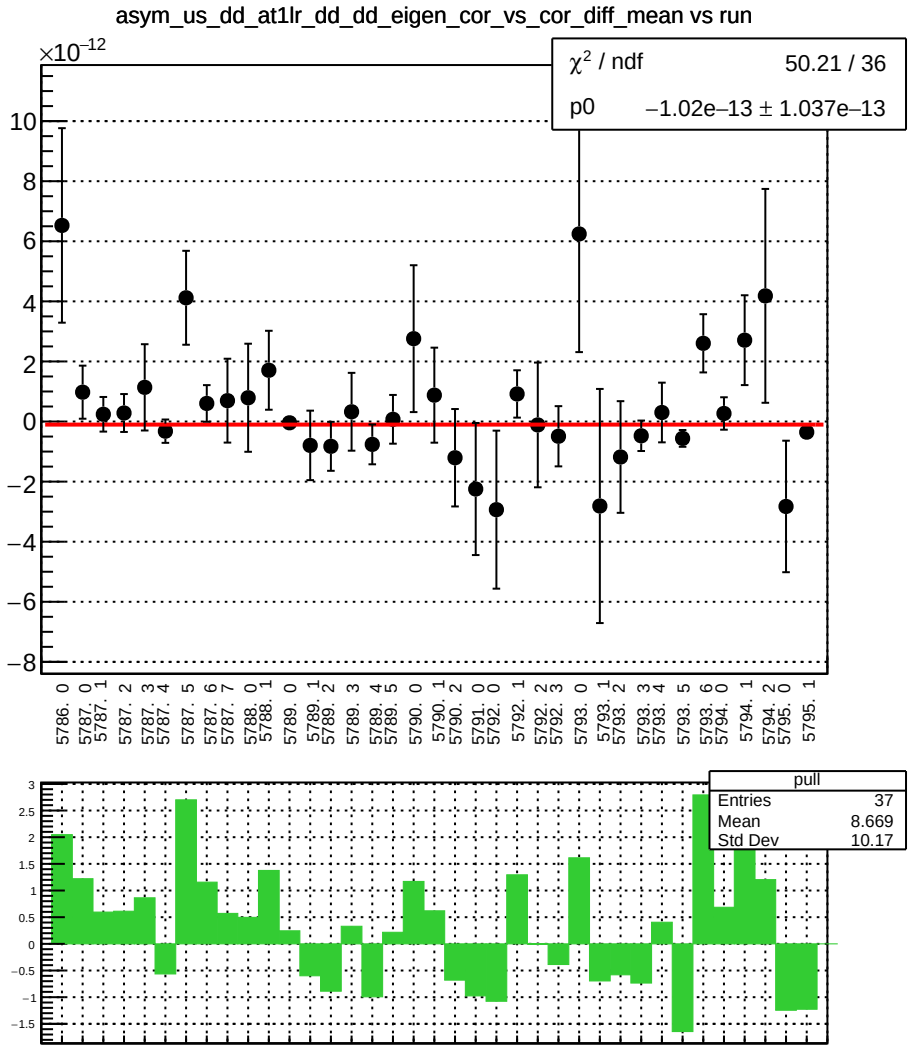

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6354 / 36
p0 0.003771 ± 4.364e−06
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
0.0034
0.0032
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

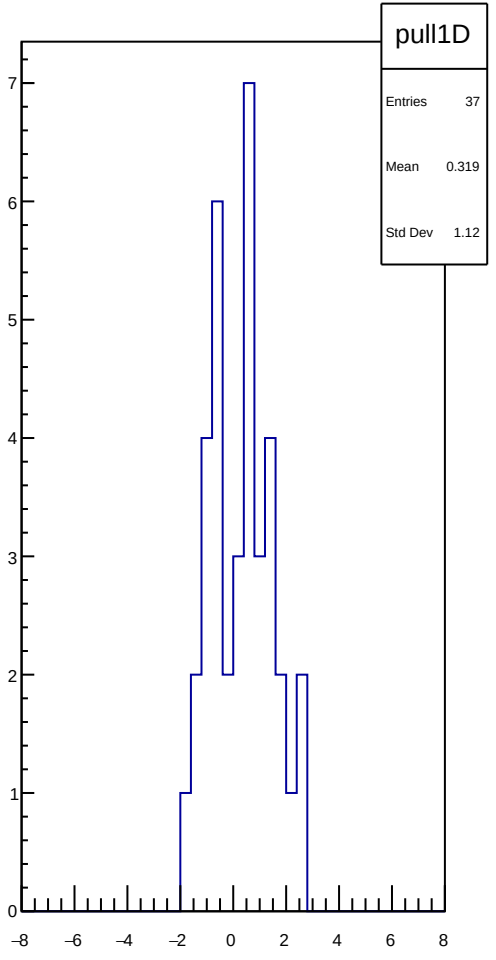

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.34 / 36
p0 −0.1377 ± 0.08165
pull
Entries 37
Mean 8.189
Std Dev 13.24
pull1D
Entries 37
Mean −0.1723
Std Dev 1.056

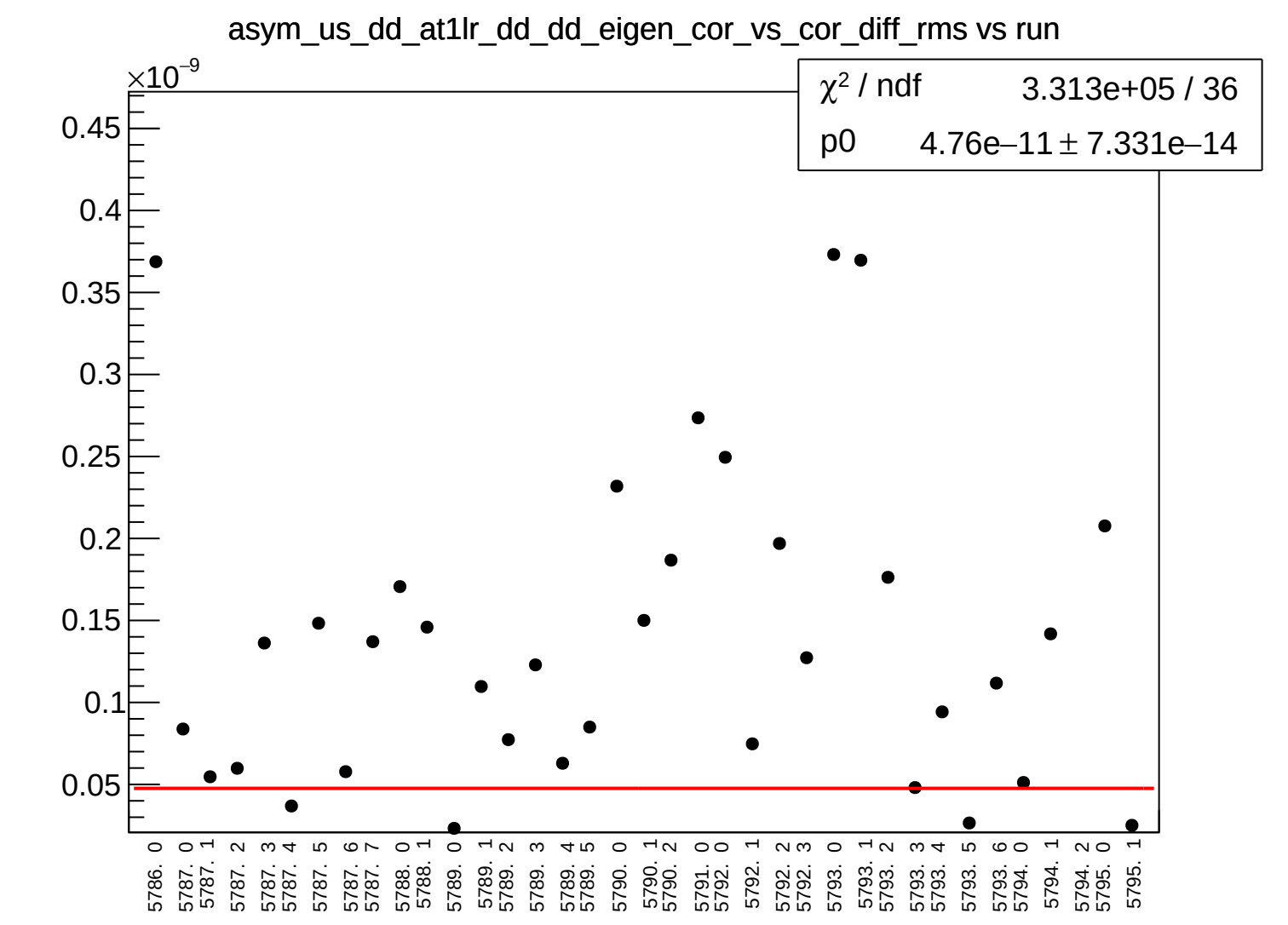

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.123e+05 / 36
p0 46.21 ± 0.05773
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

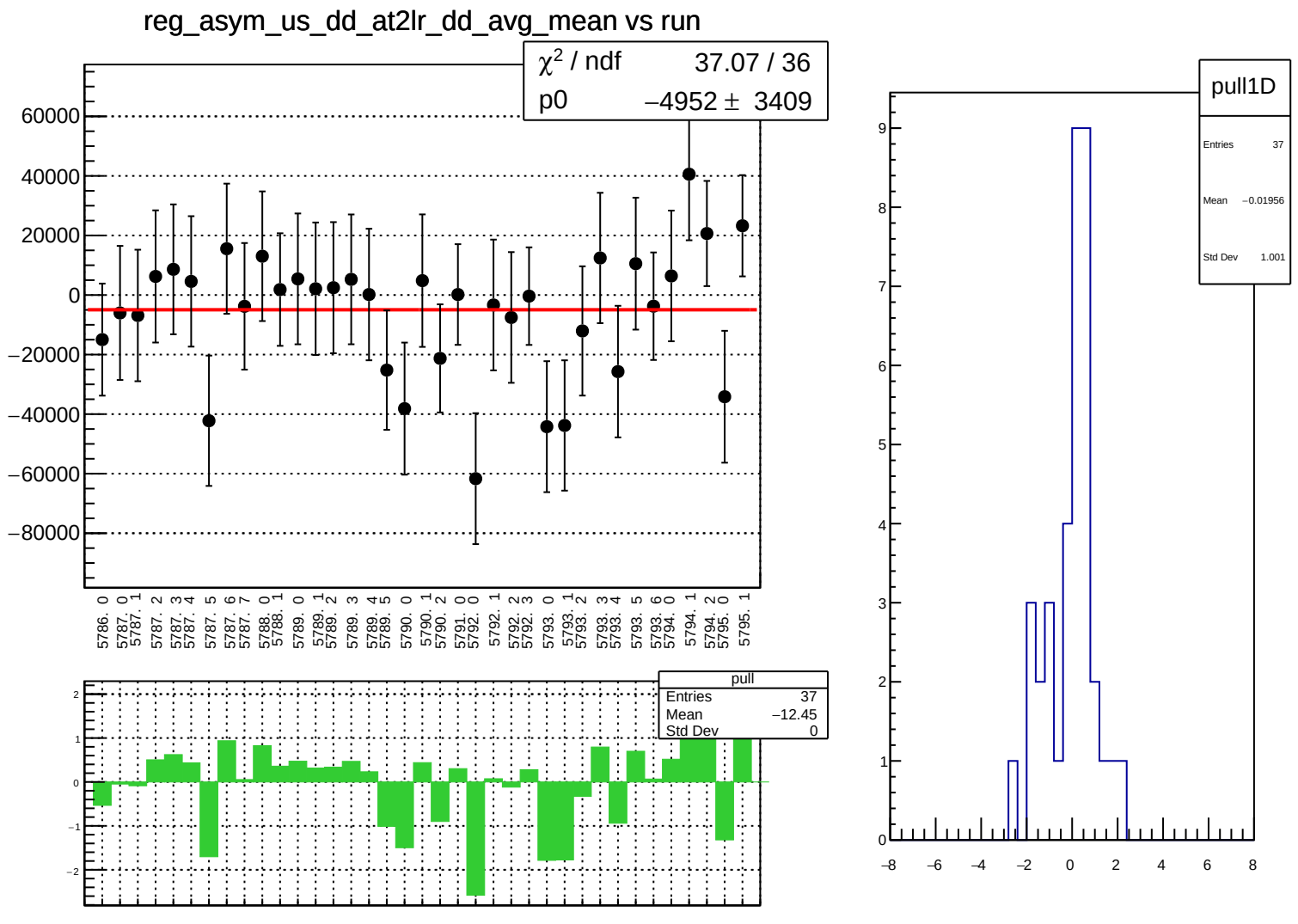

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.34 / 36
p0 −0.1377 ± 0.08165
pull
Entries 37
Mean 8.189
Std Dev 13.24
pull1D
Entries 37
Mean −0.1723
Std Dev 1.056

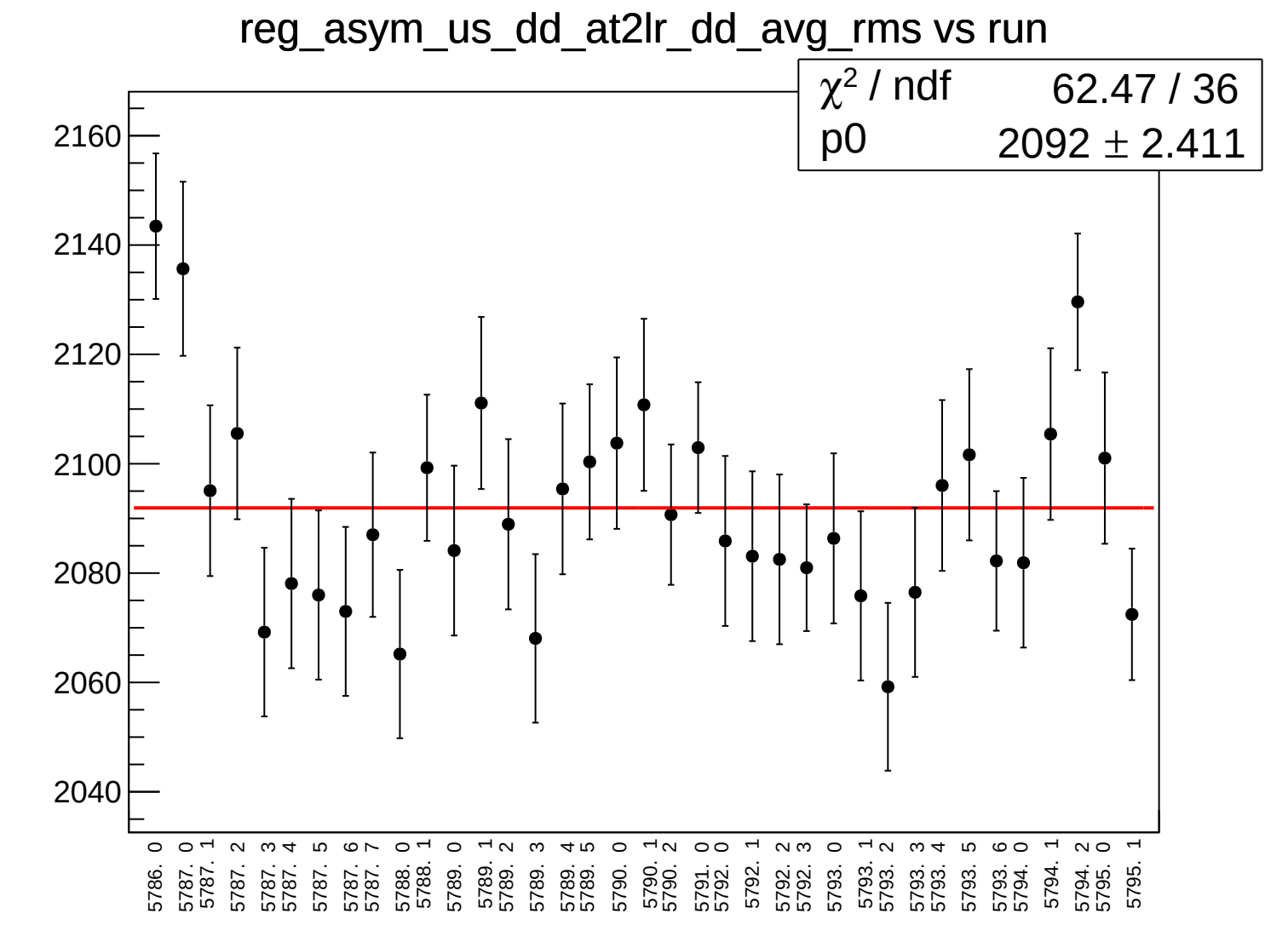

asym_us_dd_at1lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.123e+05 / 36
p0 46.21 ± 0.05773
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

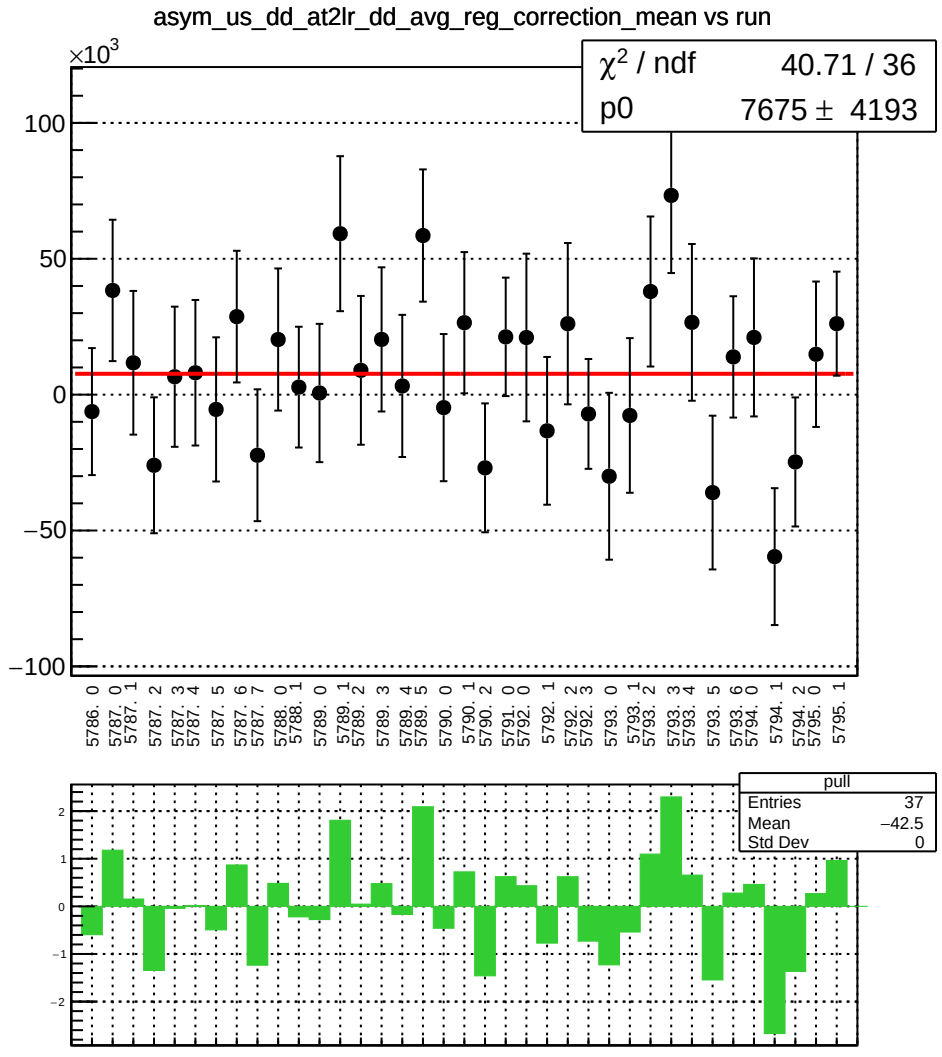

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.21 / 36
p0 −1.02e−13 ± 1.037e−13
pull
Entries 37
Mean 8.669
Std Dev 10.17

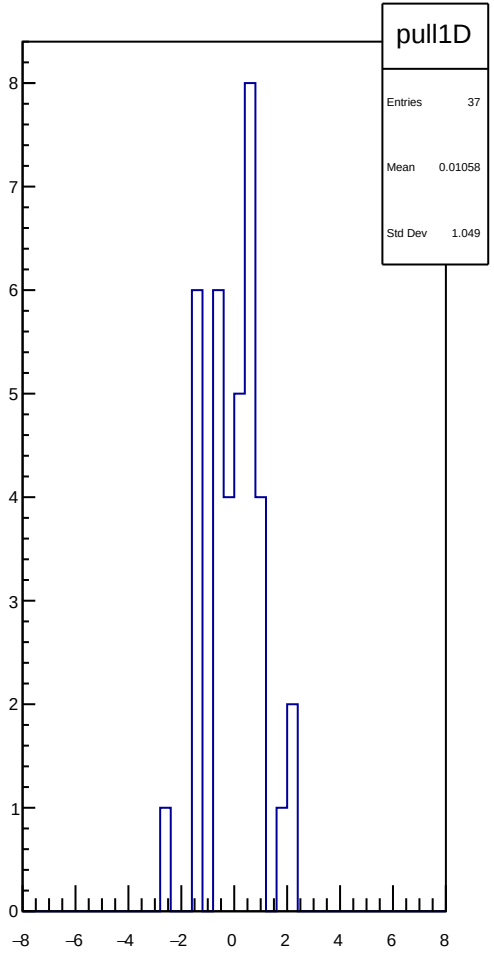

pull1D
Entries 37
Mean 0.319
Std Dev 1.12

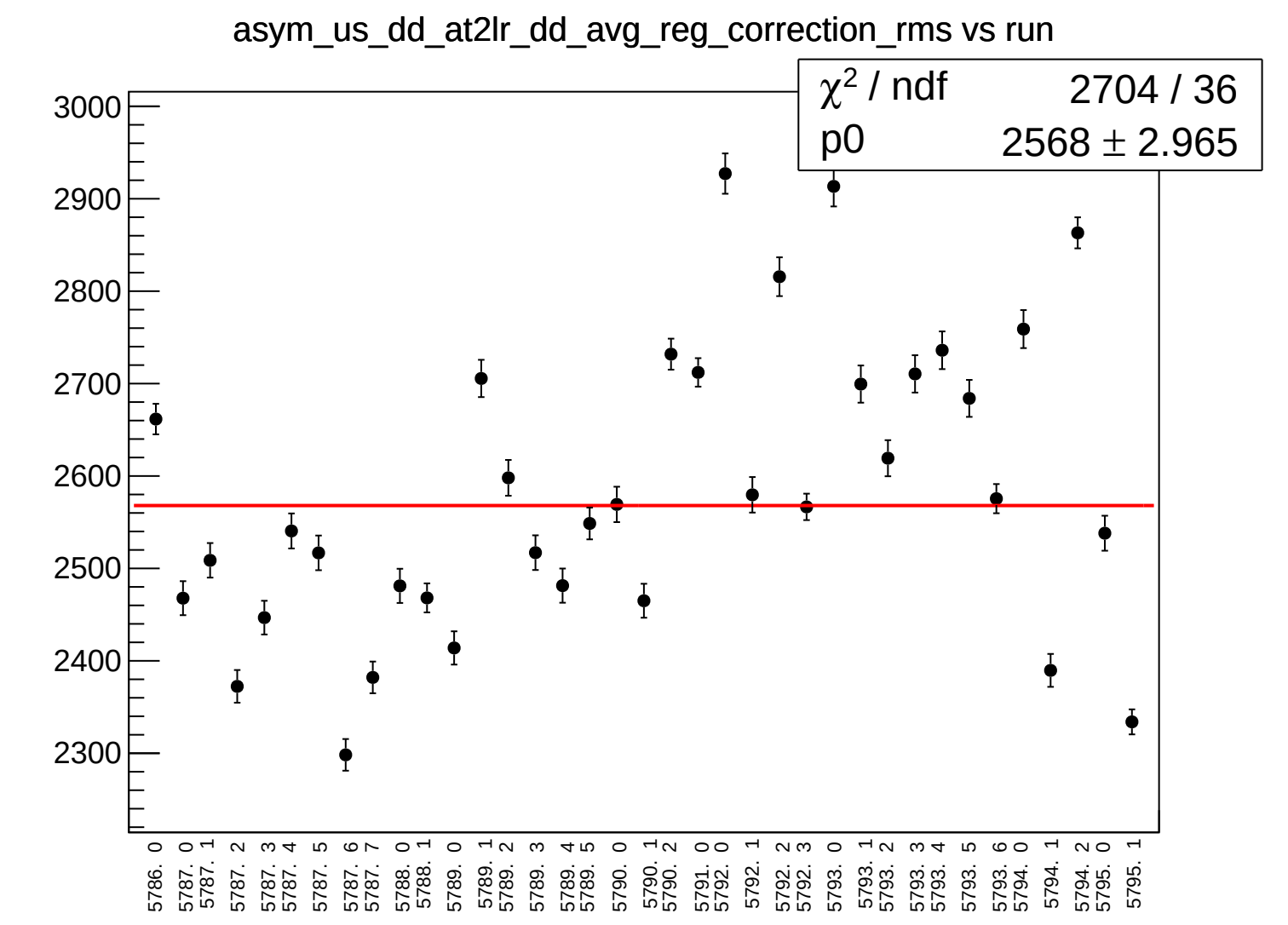

asym_us_dd_at1lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.313e+05 / 36
p0 4.76e−11 ± 7.331e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

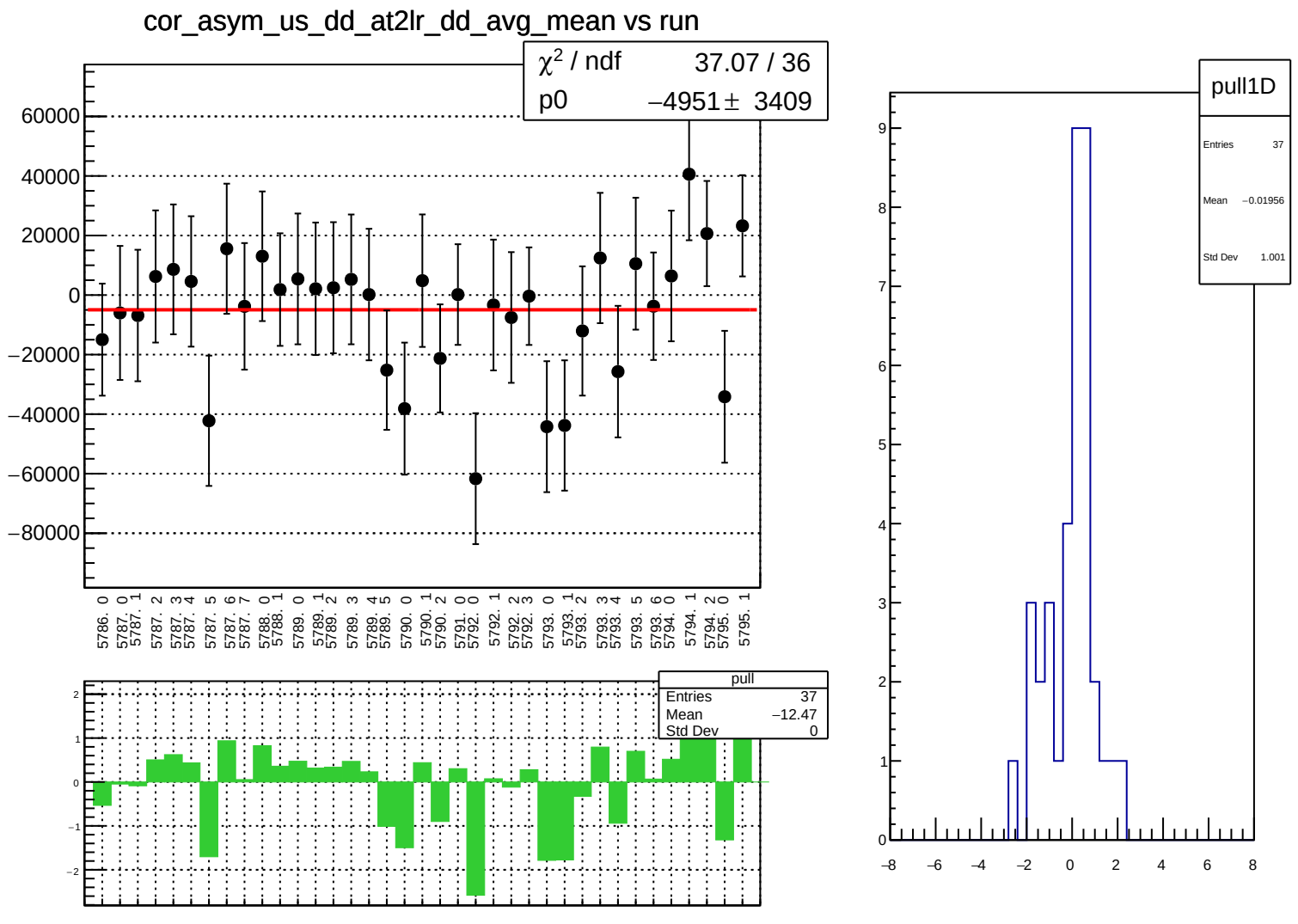

reg_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.07 / 36
p0 −4952 ± 3409
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.45
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01956
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

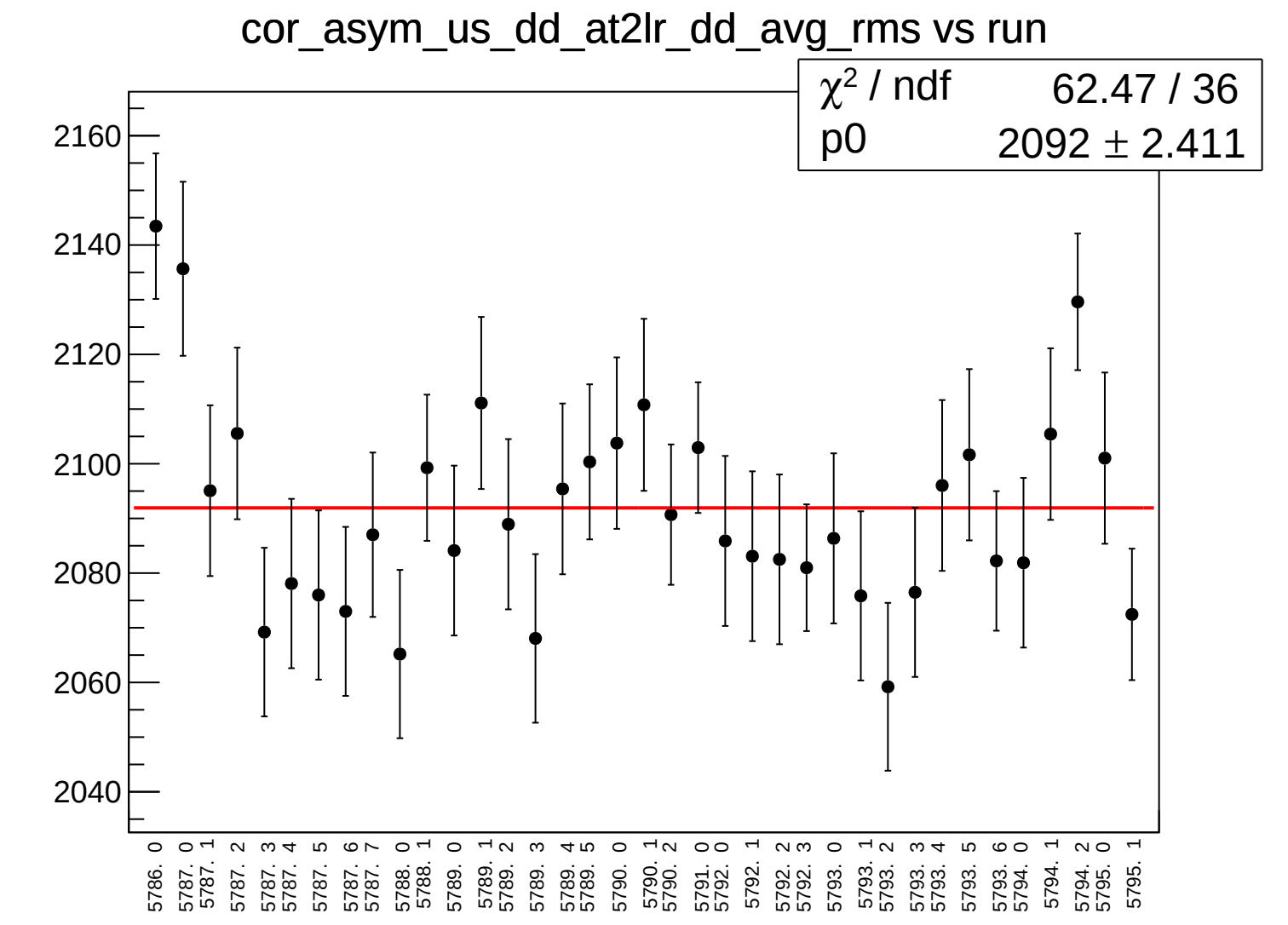

reg_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 62.47 / 36
p0 2092 ± 2.411
2160
2140
2120
2100
2080
2060
2040
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

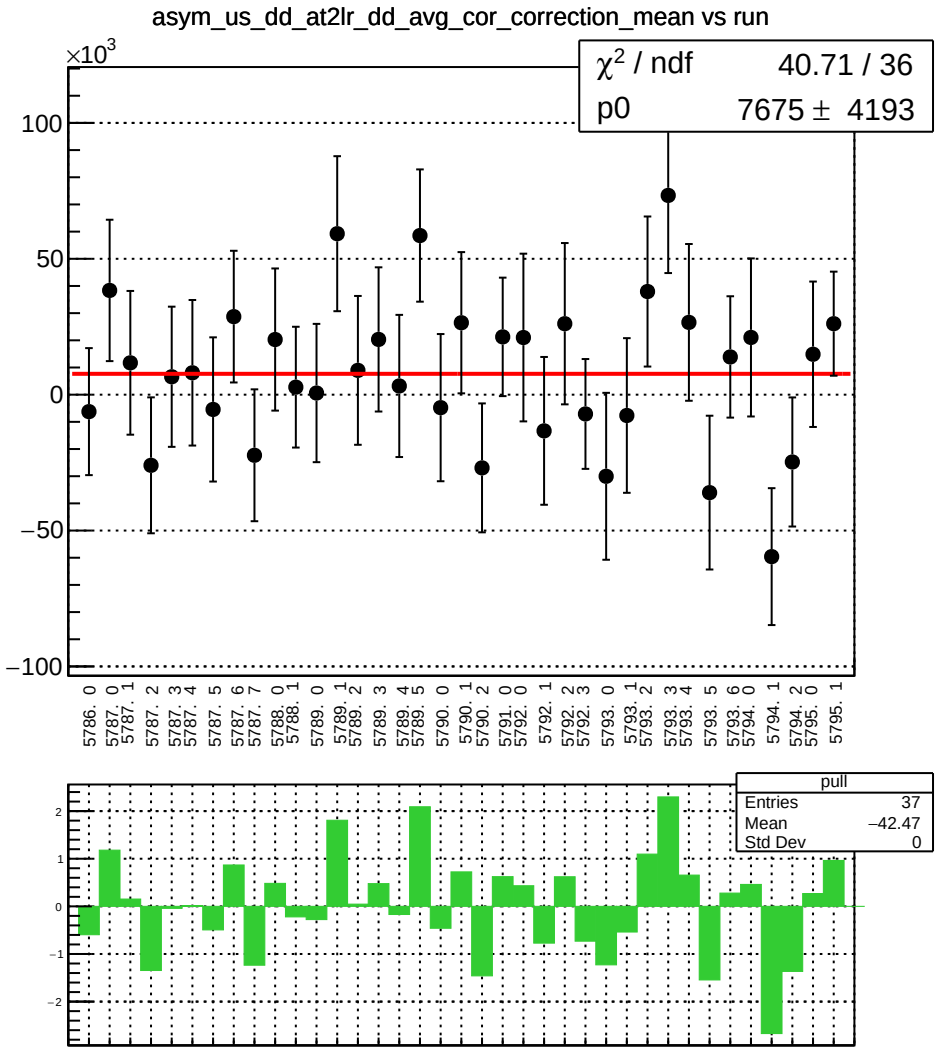

asym_us_dd_at2lr_dd_avg_reg_correction_mean vs run
×10^3
χ² / ndf 40.71 / 36
p0 7675 ± 4193
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.5
Std Dev 0
2
1
0
−1
−2

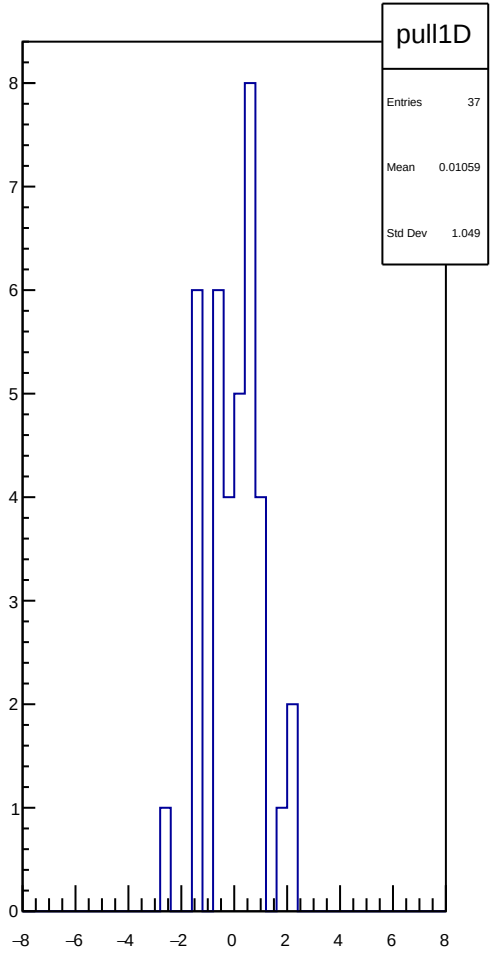

pull1D
Entries 37
Mean 0.01058
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

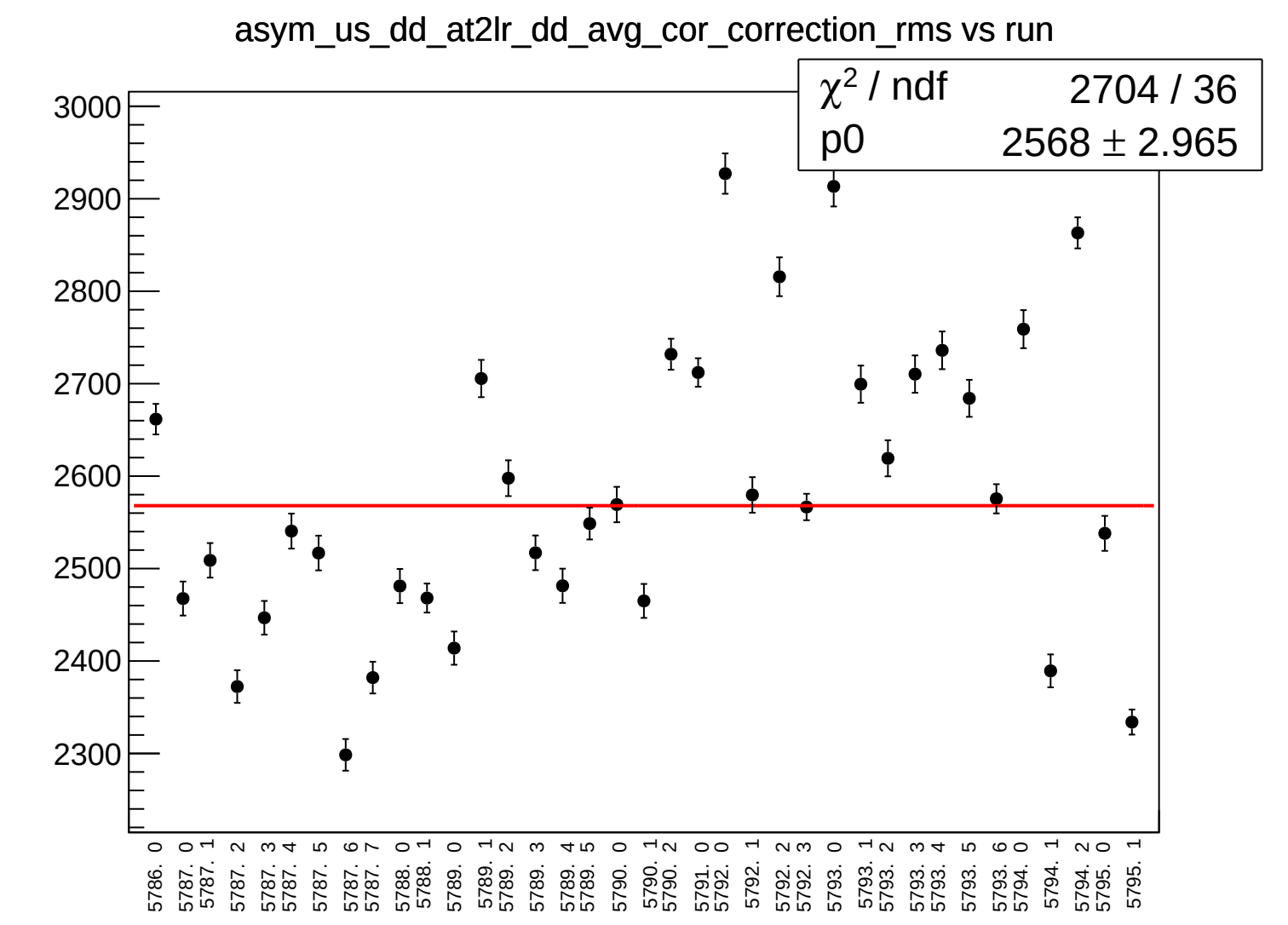

asym_us_dd_at2lr_dd_avg_reg_correction_rms vs run
χ² / ndf 2704 / 36
p0 2568 ± 2.965
3000
2900
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

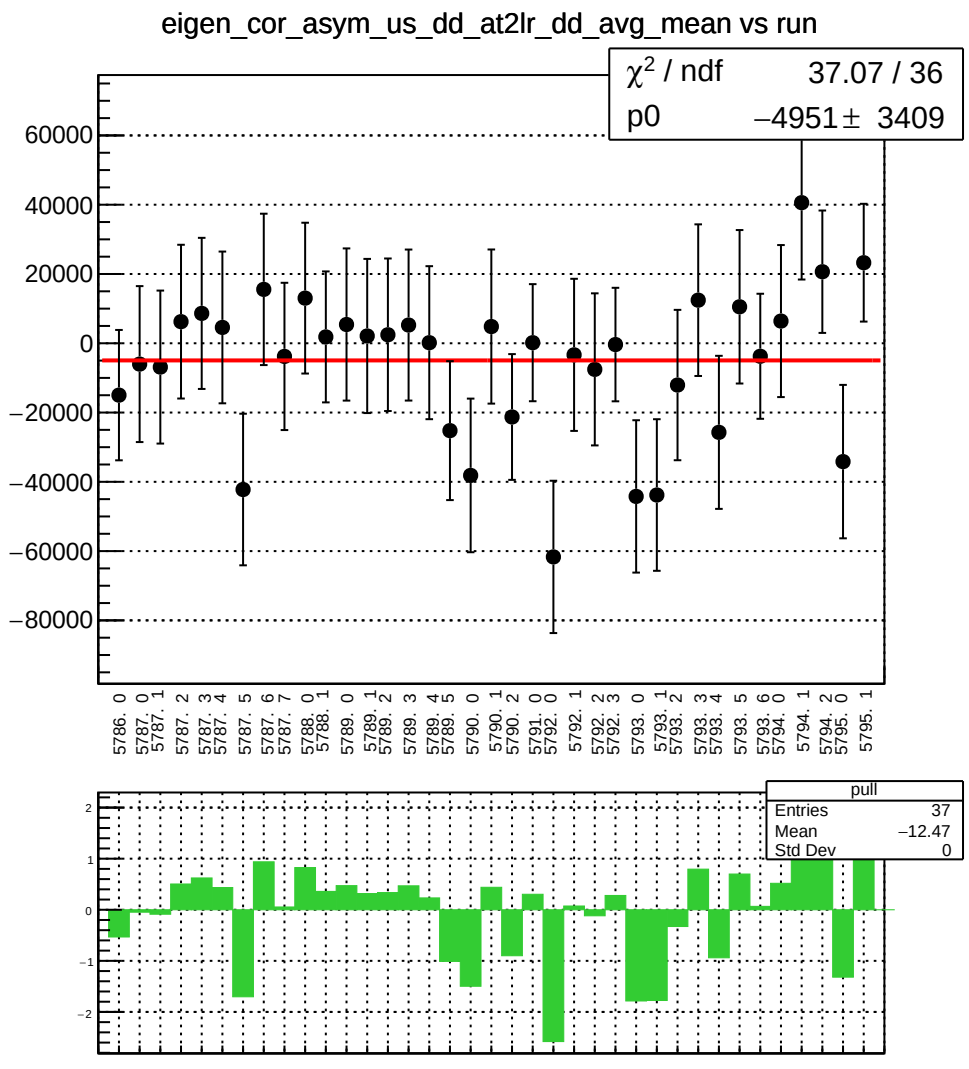

cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.07 / 36
p0 −4951 ± 3409
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01956
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

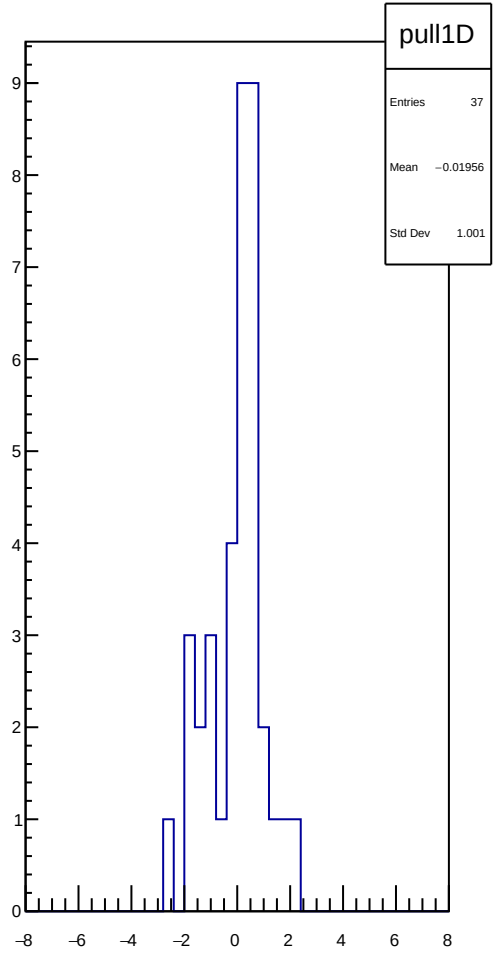

cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 62.47 / 36
p0 2092 ± 2.411
2160
2140
2120
2100
2080
2060
2040
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

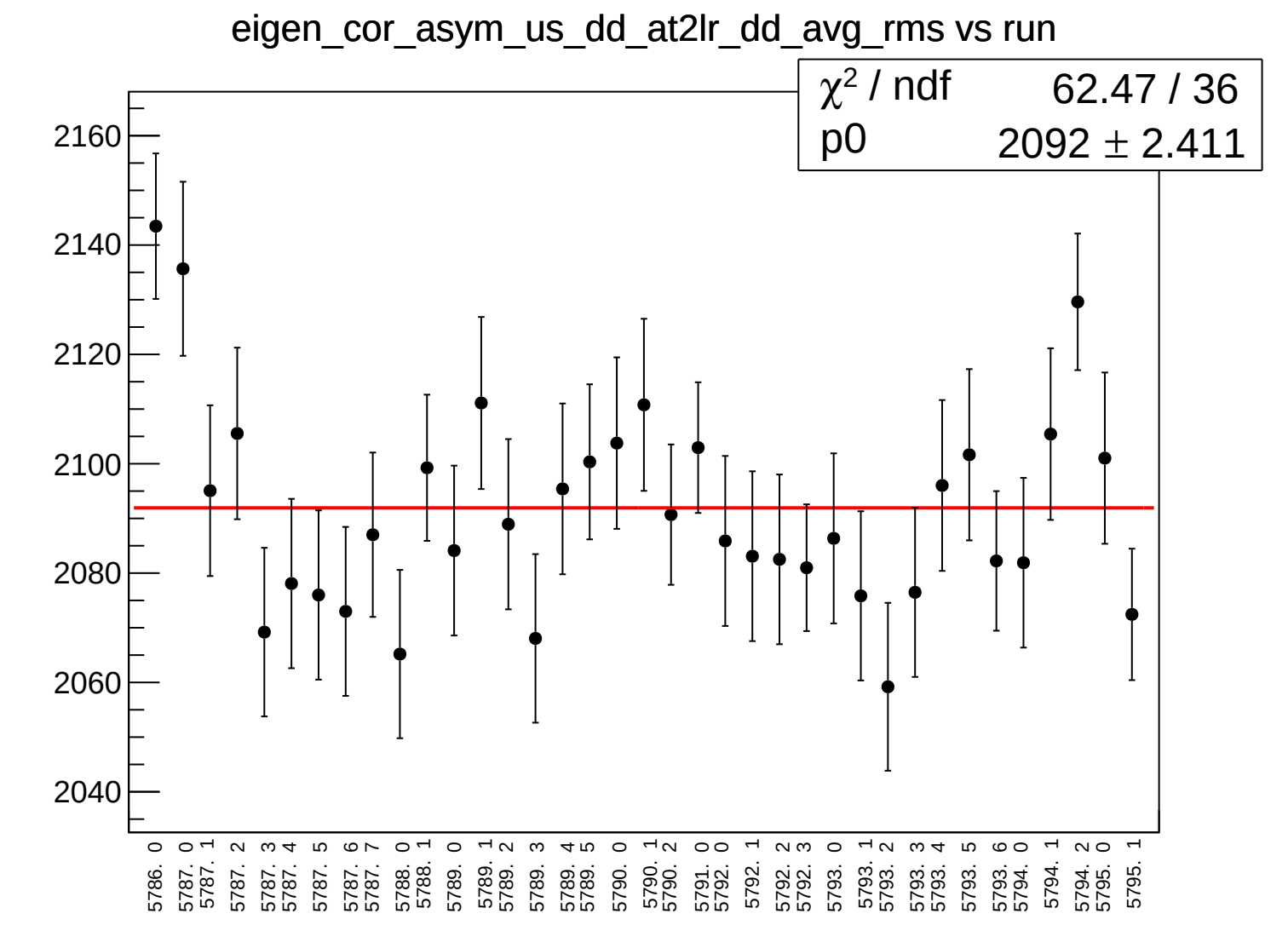

asym_us_dd_at2lr_dd_avg_cor_correction_mean vs run
×10^3
χ² / ndf 40.71 / 36
p0 7675 ± 4193
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.47
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01059
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_us_dd_at2lr_dd_avg_cor_correction_rms vs run
χ² / ndf 2704 / 36
p0 2568 ± 2.965
3000
2900
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.07 / 36
p0 −4951 ± 3409
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.47
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01956
Std Dev 1.001
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 62.47 / 36
p0 2092 ± 2.411
2160
2140
2120
2100
2080
2060
2040
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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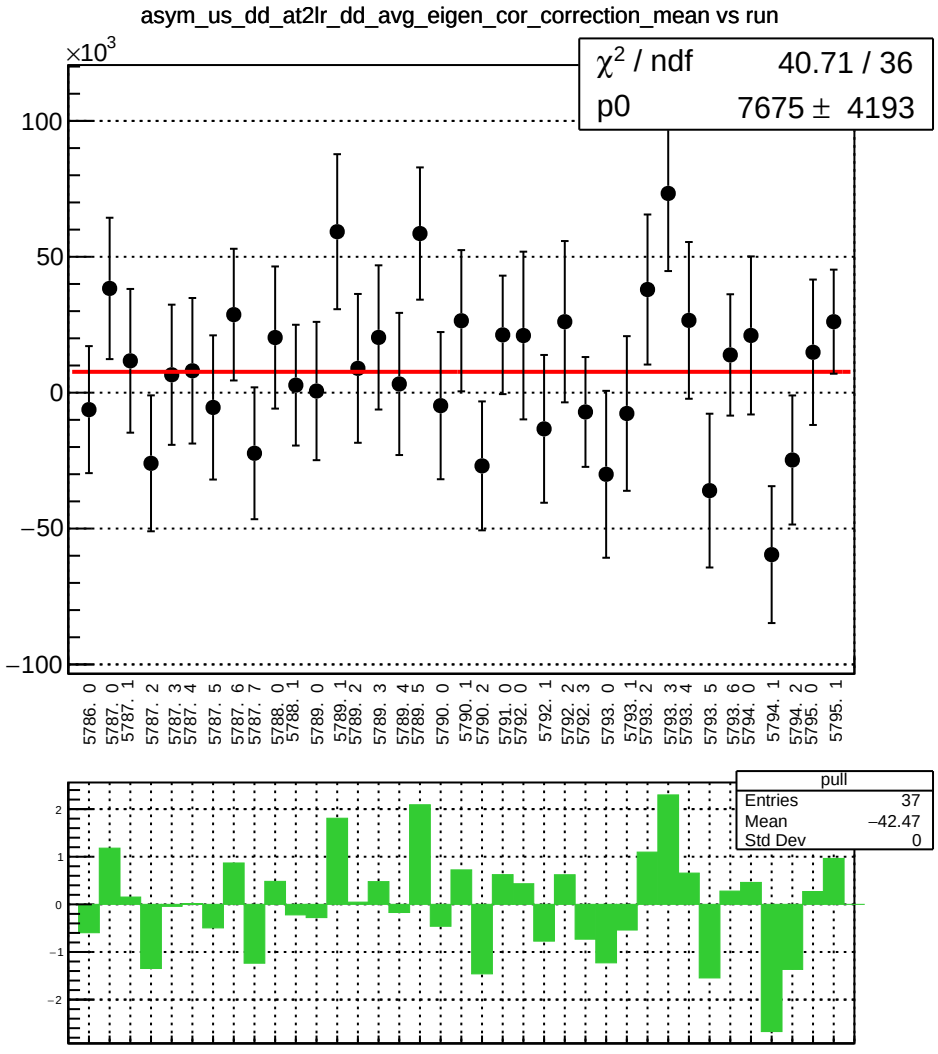
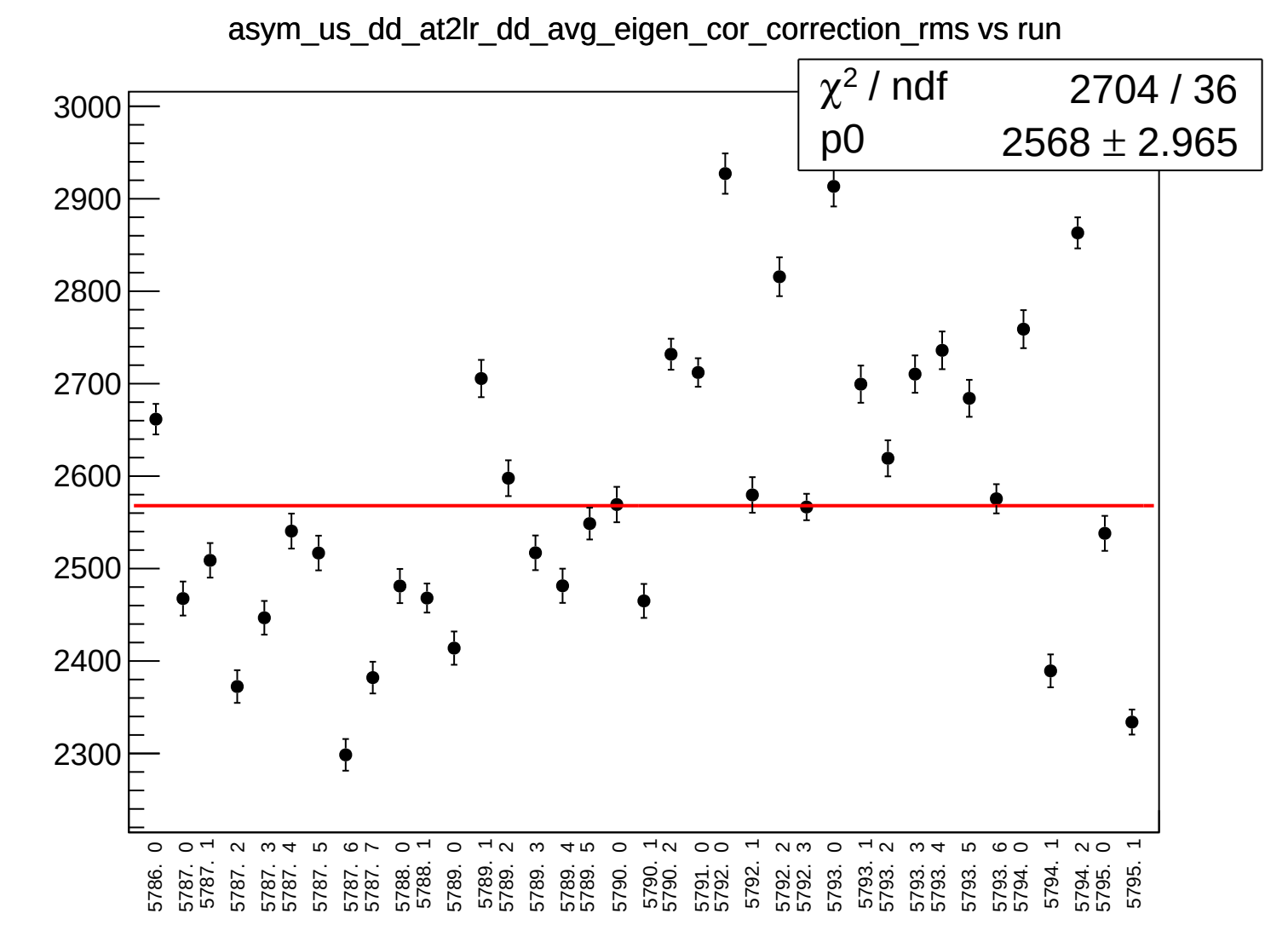
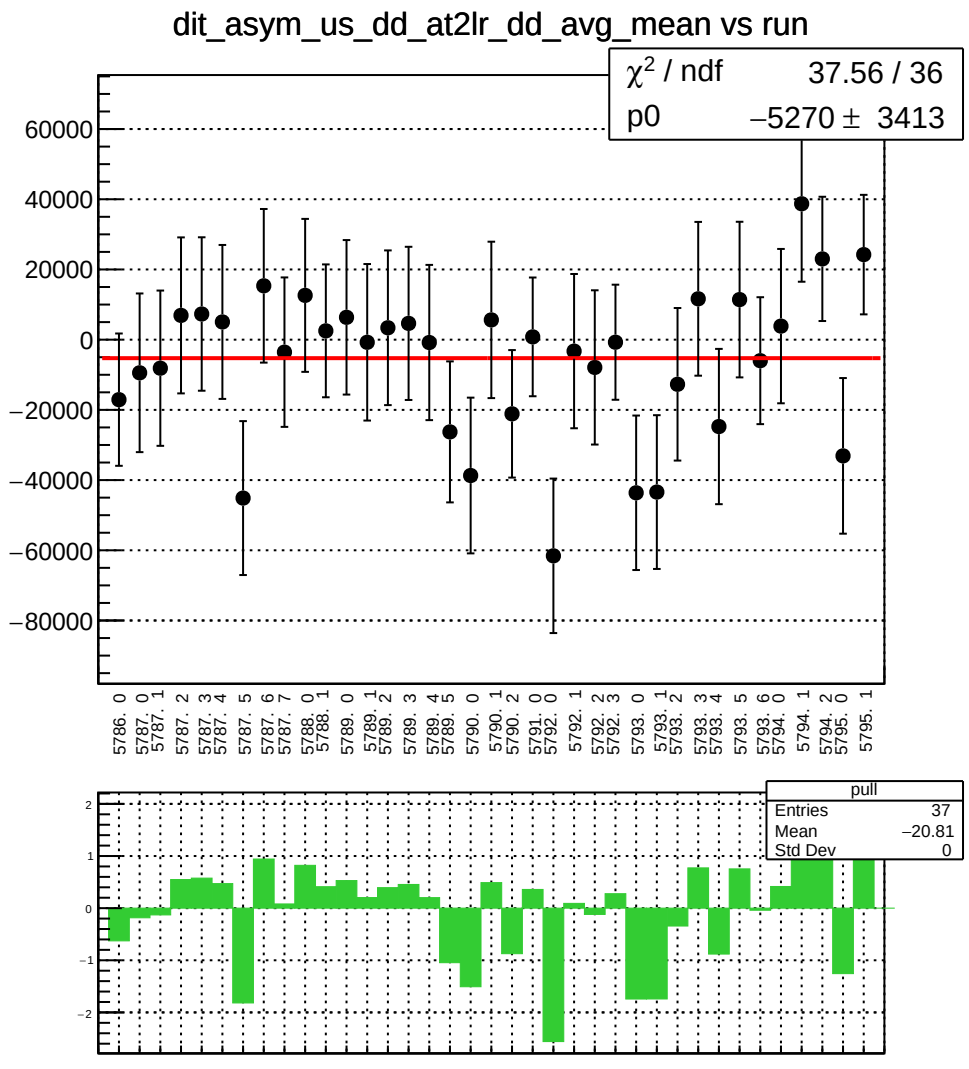
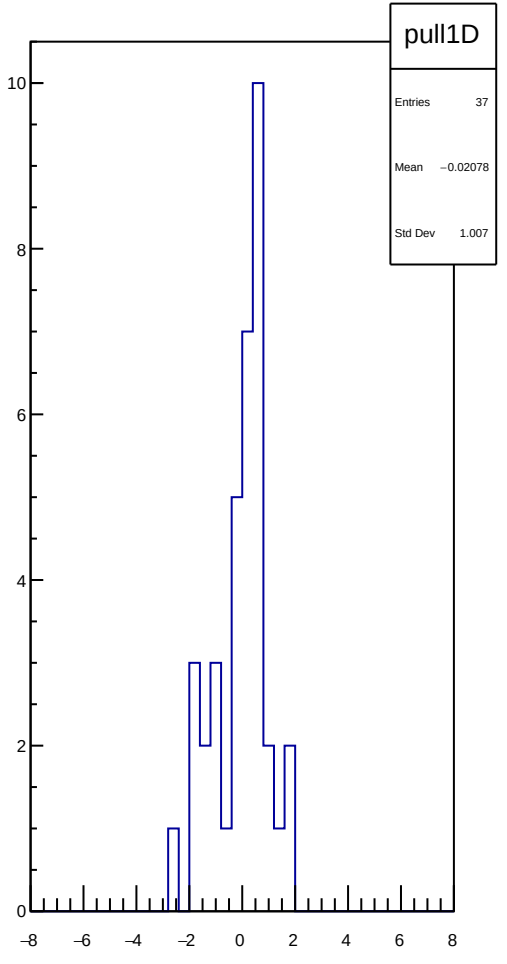
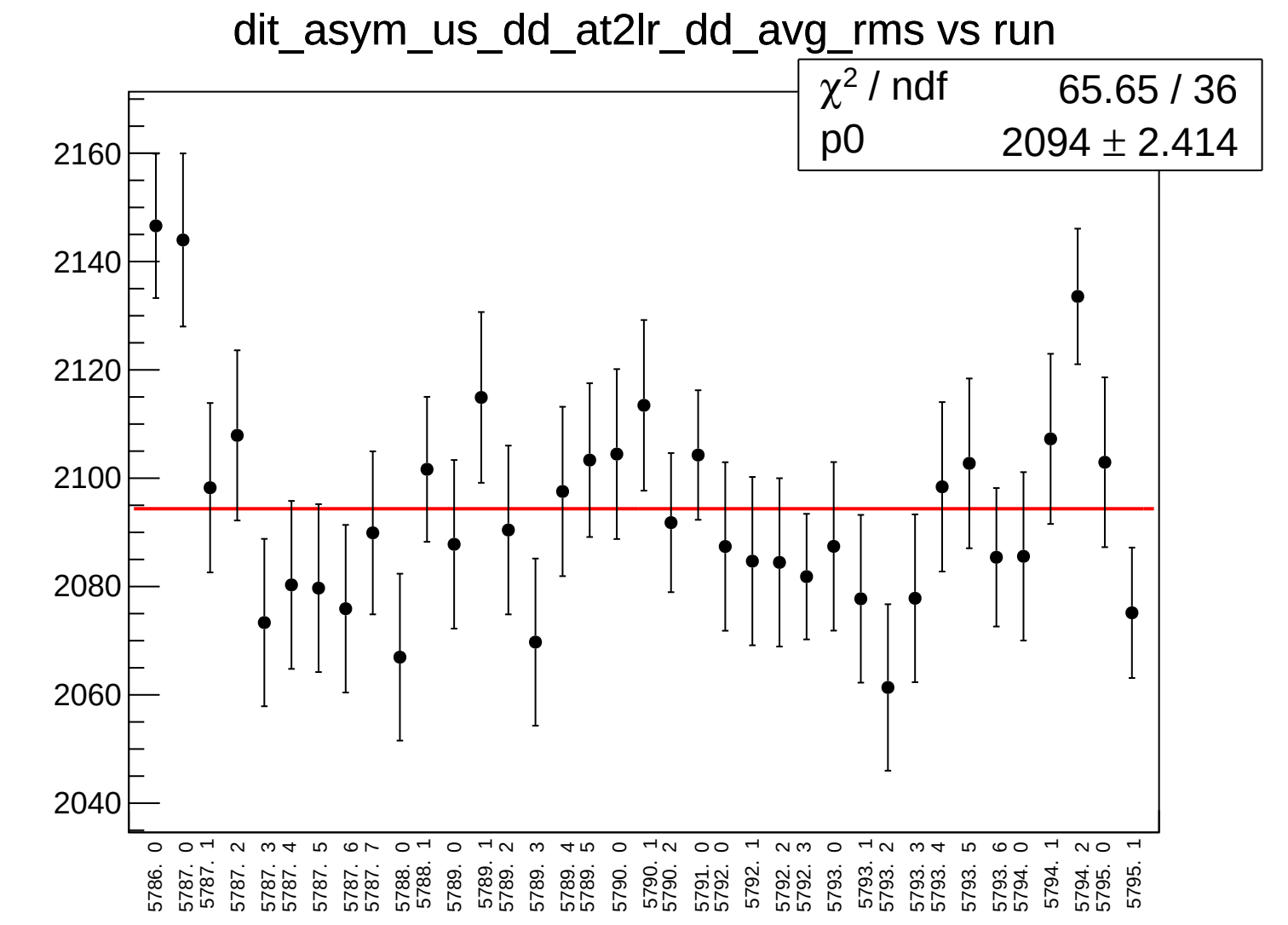
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

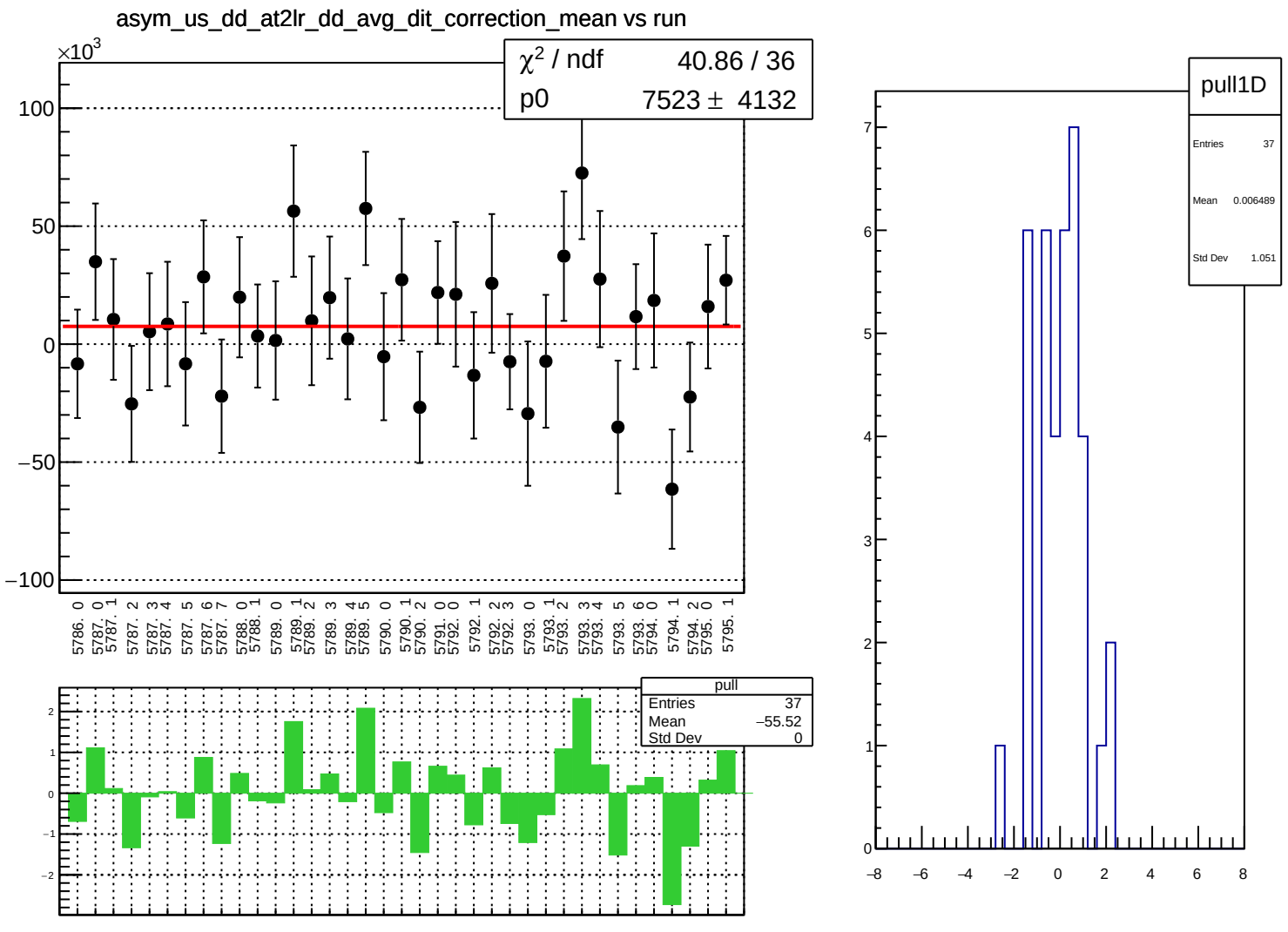

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.71 / 36
p0 7675 ± 4193
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.47
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01059
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

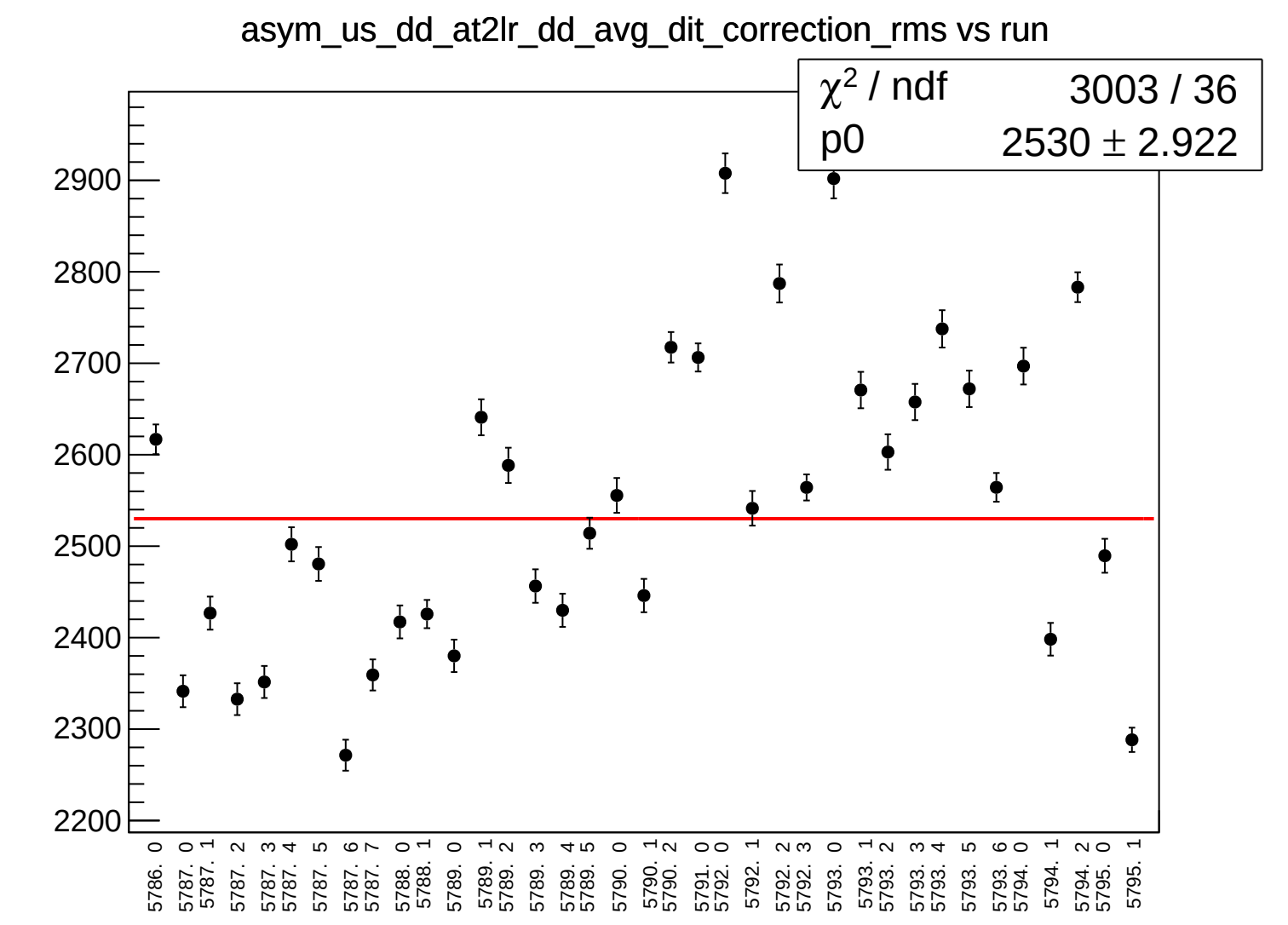

asym_us_dd_at2lr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 2704 / 36
p0 2568 ± 2.965
3000
2900
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

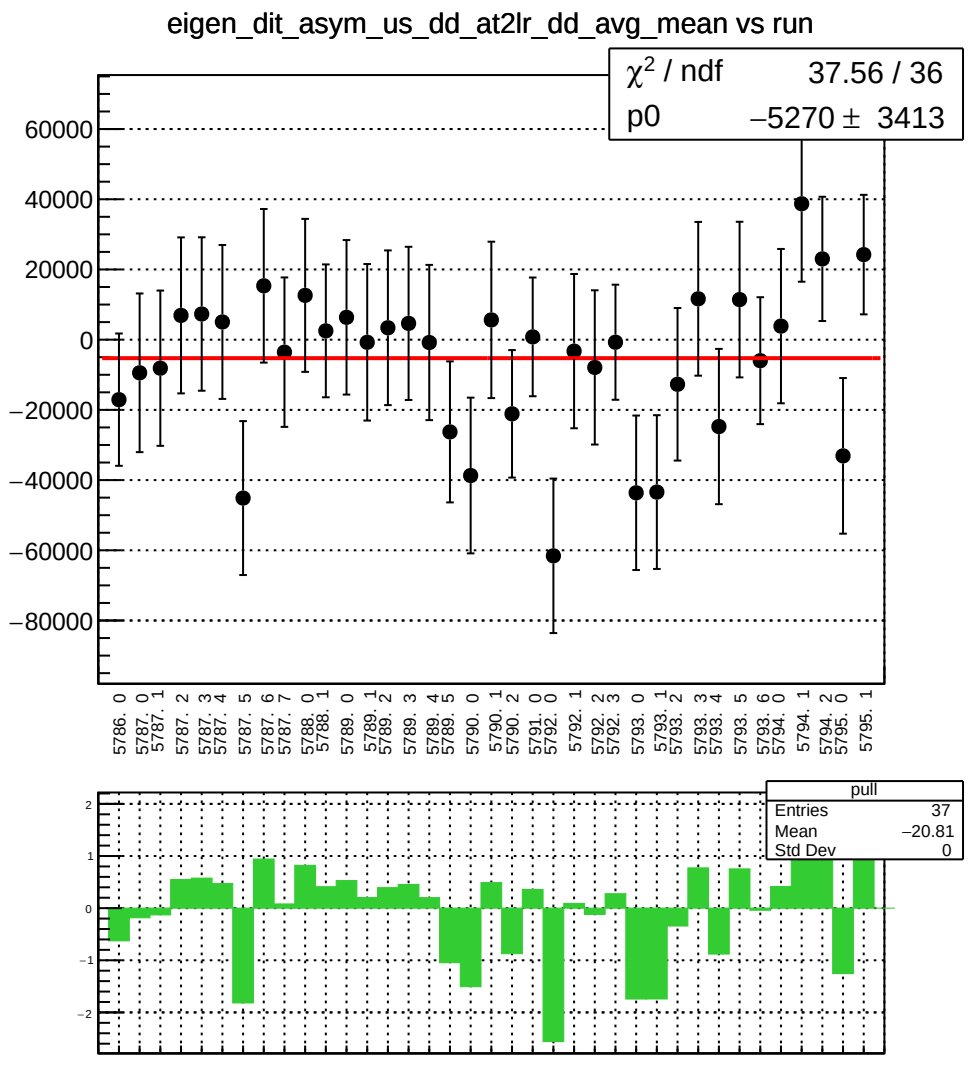

dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.56 / 36
p0 −5270 ± 3413
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.81
Std Dev 0
2
1
0
−1
−2

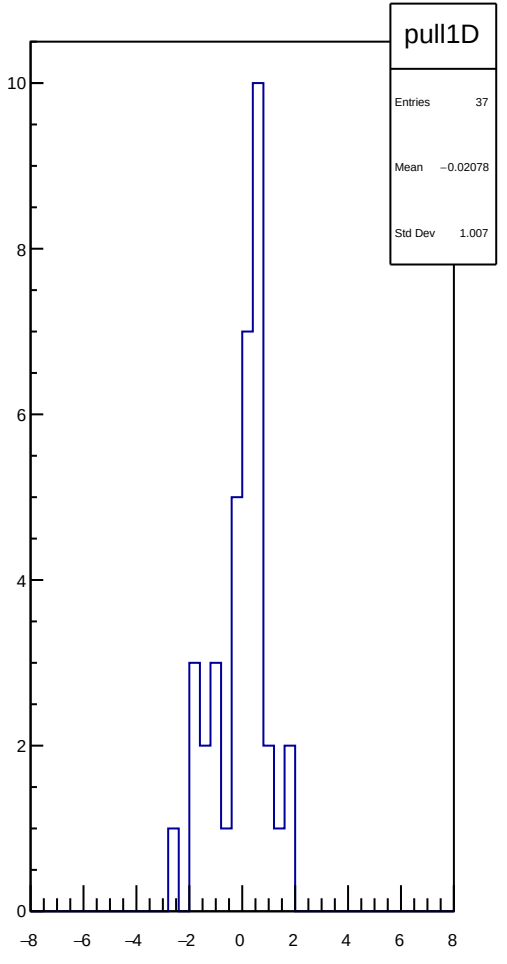

pull1D
Entries 37
Mean −0.02078
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

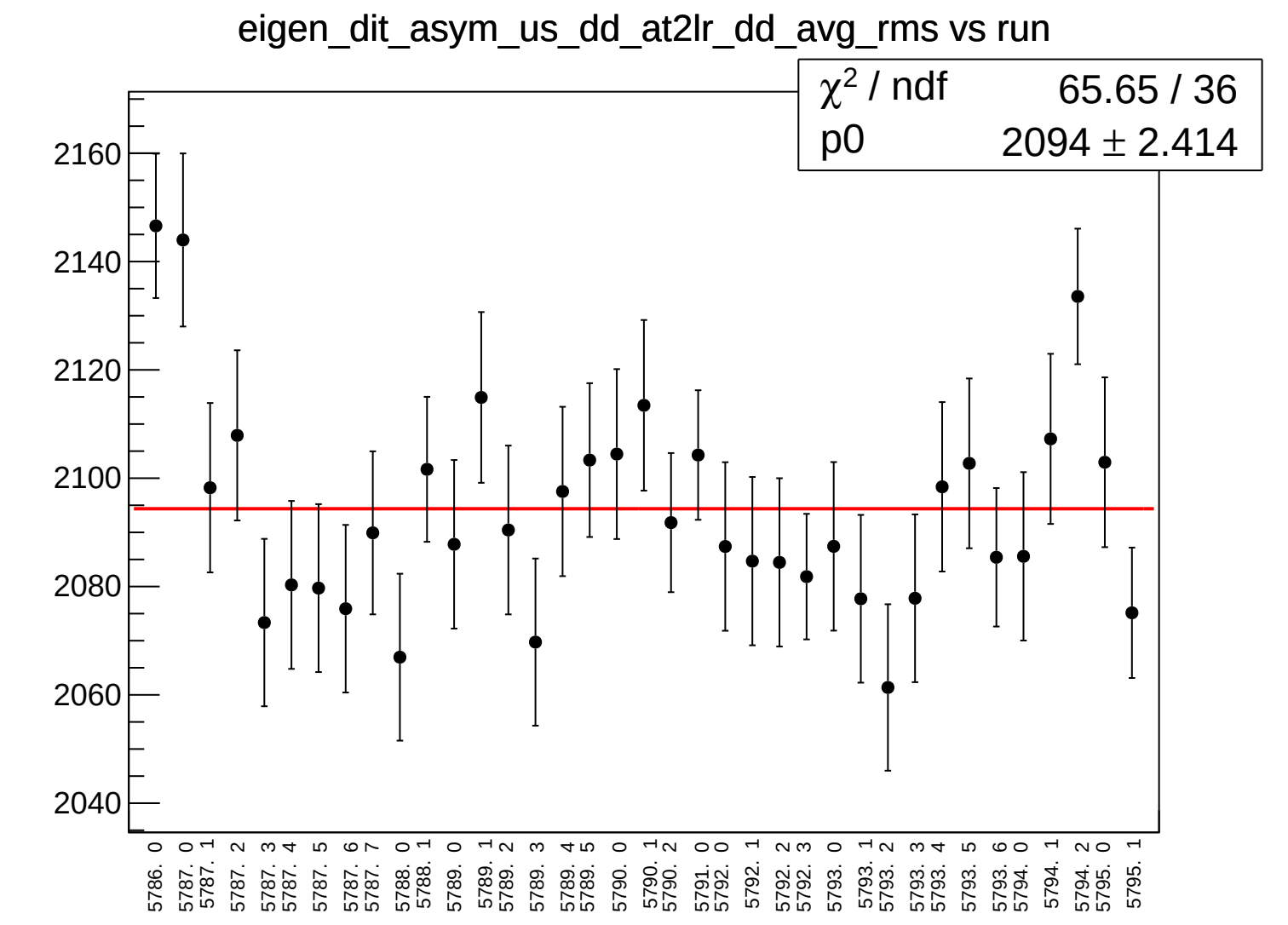

dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 65.65 / 36
p0 2094 ± 2.414
2160
2140
2120
2100
2080
2060
2040
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

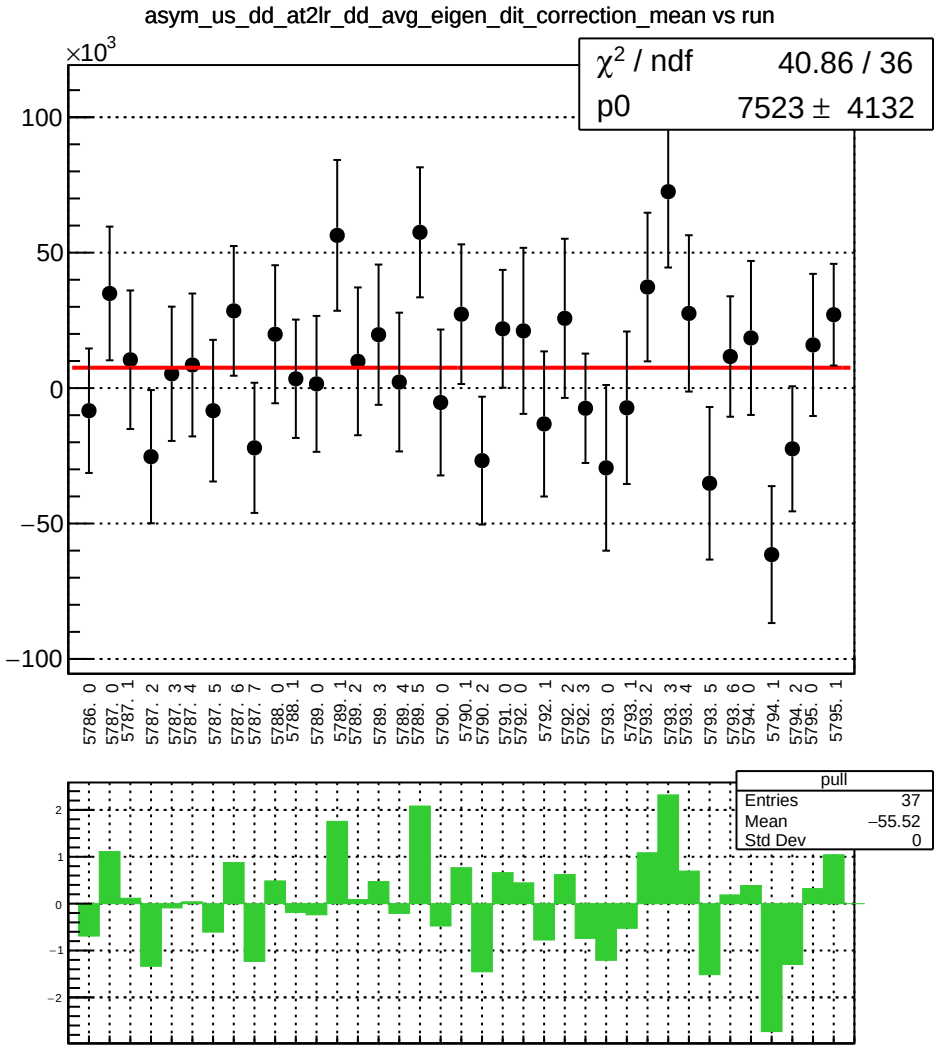

asym_us_dd_at2lr_dd_avg_dit_correction_mean vs run
×10^3
χ² / ndf 40.86 / 36
p0 7523 ± 4132
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −55.52
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.006489
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

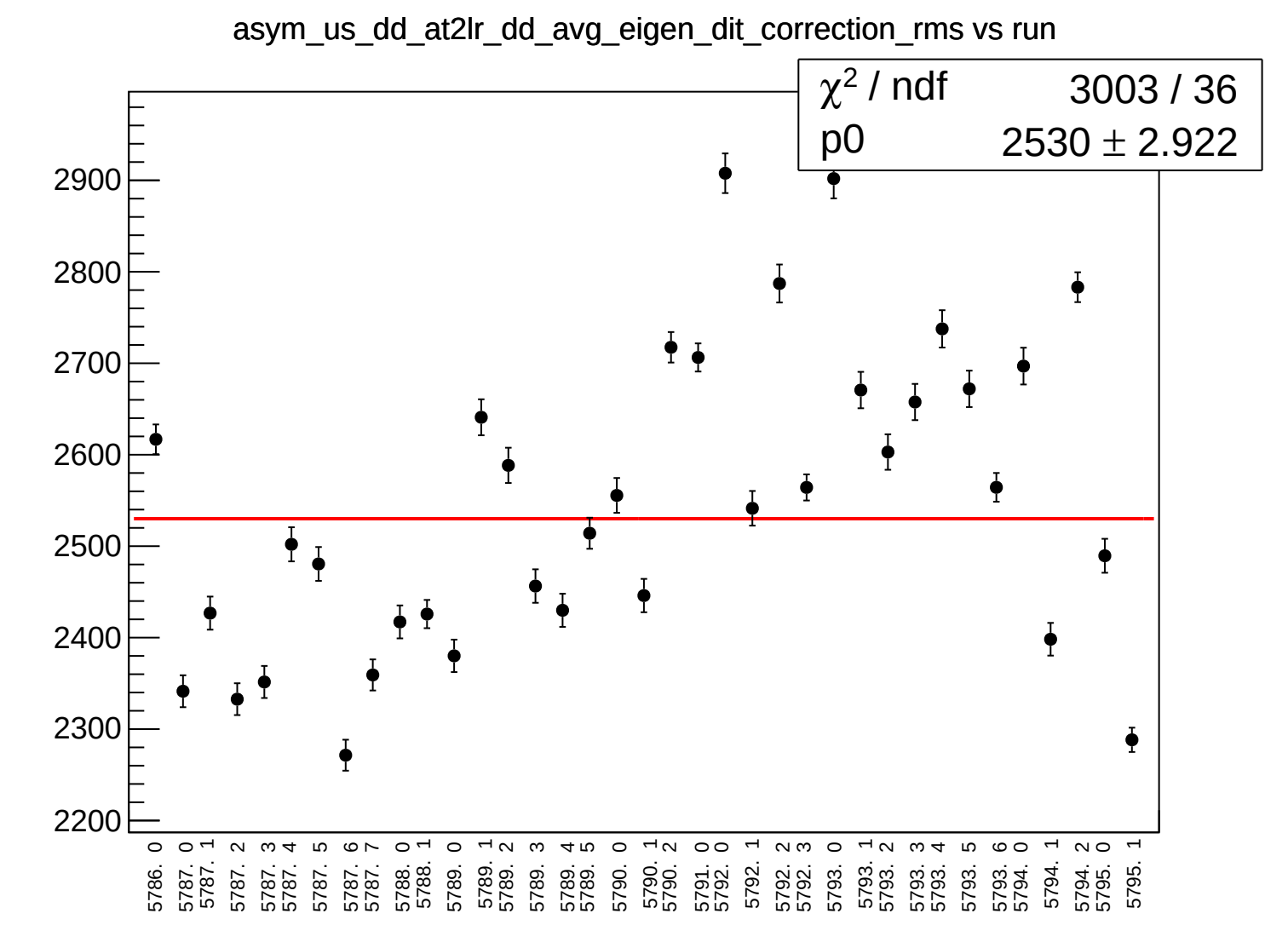

asym_us_dd_at2lr_dd_avg_dit_correction_rms vs run
χ² / ndf 3003 / 36
p0 2530 ± 2.922
2900
2800
2700
2600
2500
2400
2300
2200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

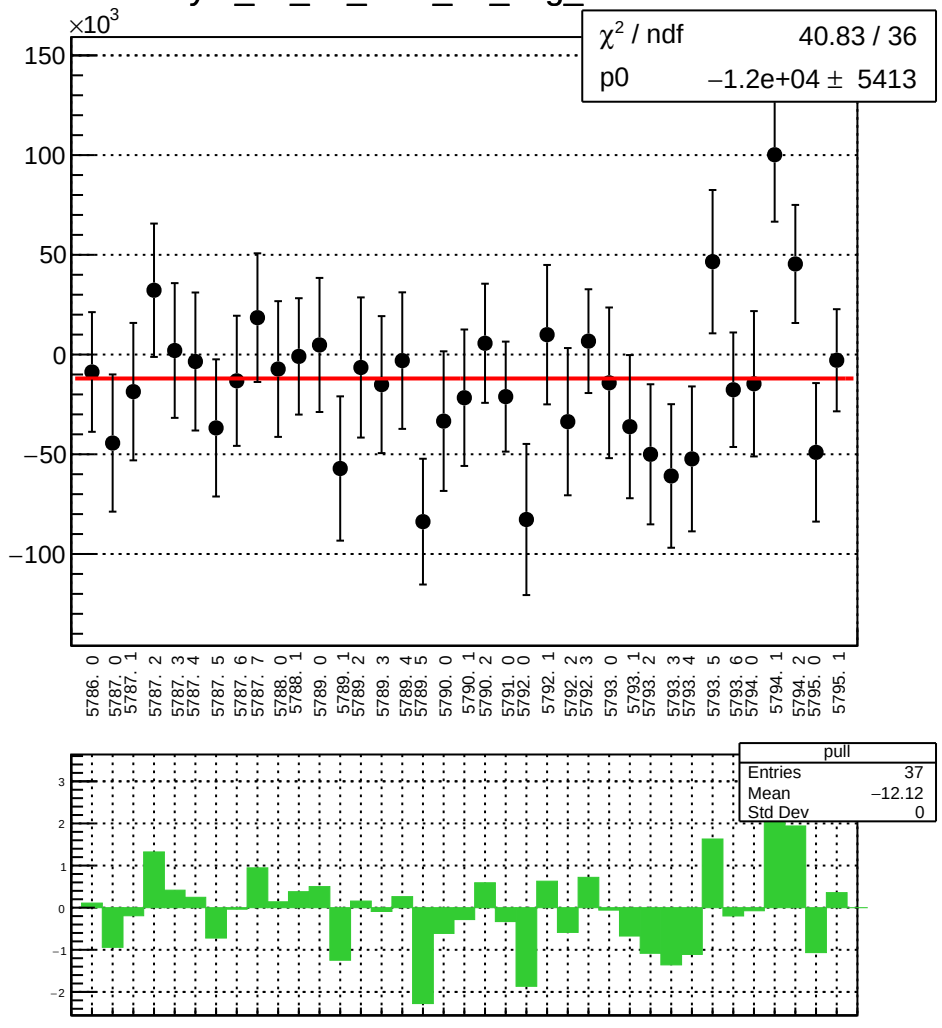

eigen_dit_asym_us_dd_at2lr_dd_avg_mean vs run
χ² / ndf 37.56 / 36
p0 −5270 ± 3413
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.81
Std Dev 0
2
1
0
−1
−2

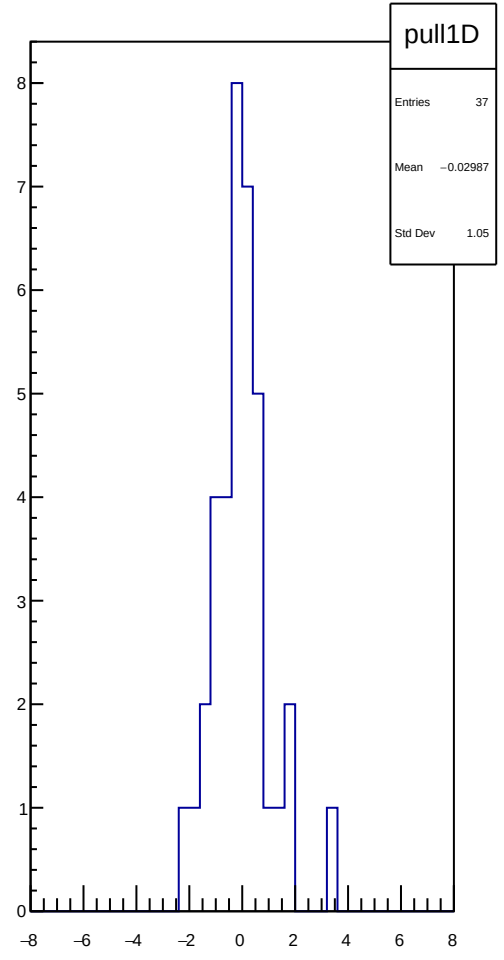

pull1D
Entries 37
Mean −0.02078
Std Dev 1.007
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

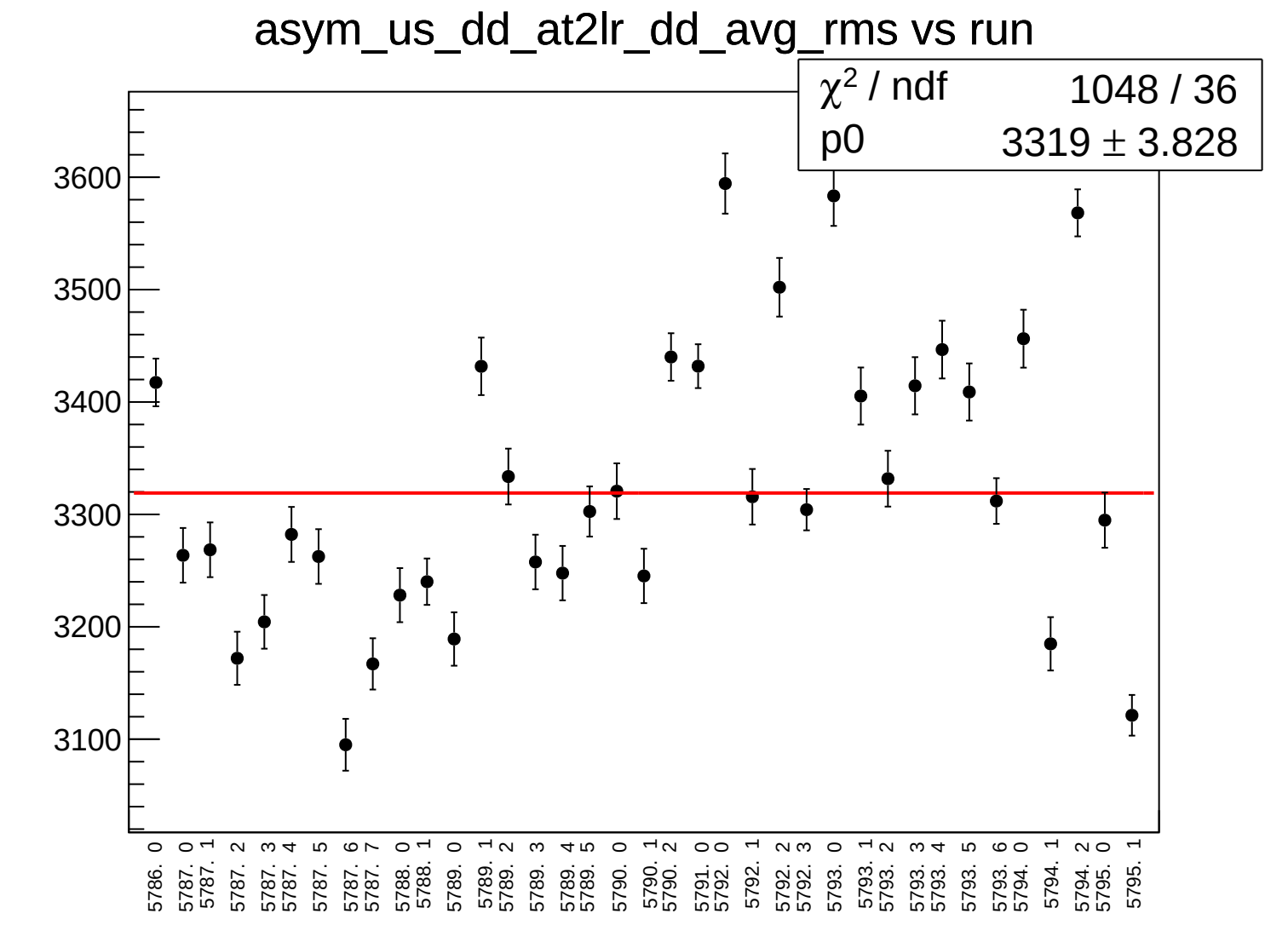

eigen_dit_asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 65.65 / 36
p0 2094 ± 2.414
2160
2140
2120
2100
2080
2060
2040
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

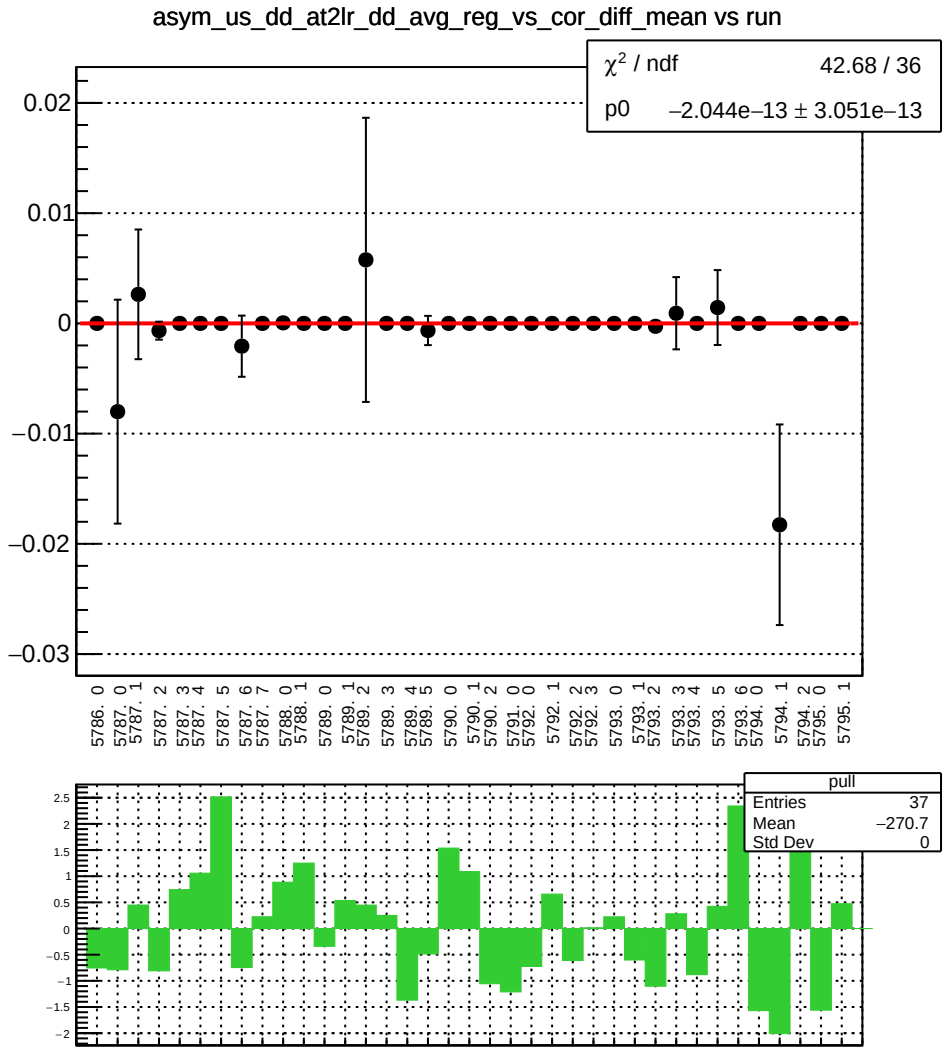

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.86 / 36
p0 7523 ± 4132
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −55.52
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.006489
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

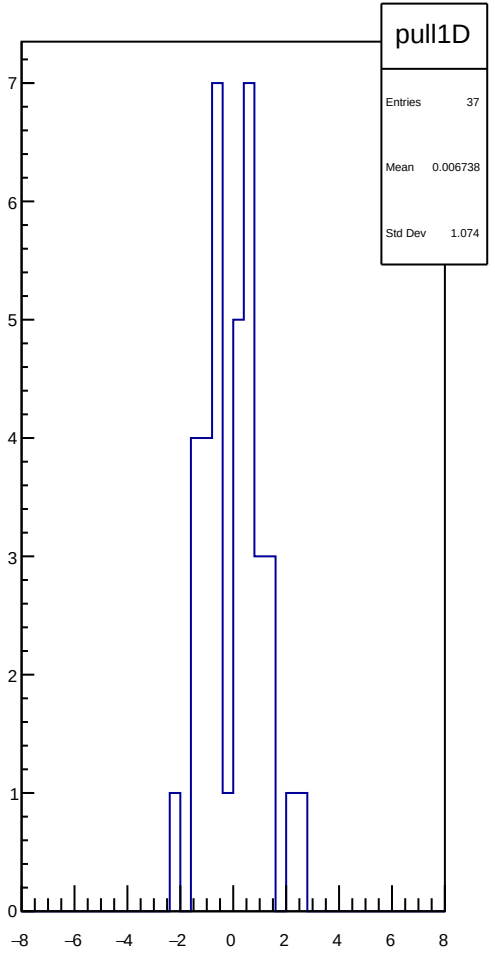

asym_us_dd_at2lr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3003 / 36
p0 2530 ± 2.922
2900
2800
2700
2600
2500
2400
2300
2200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

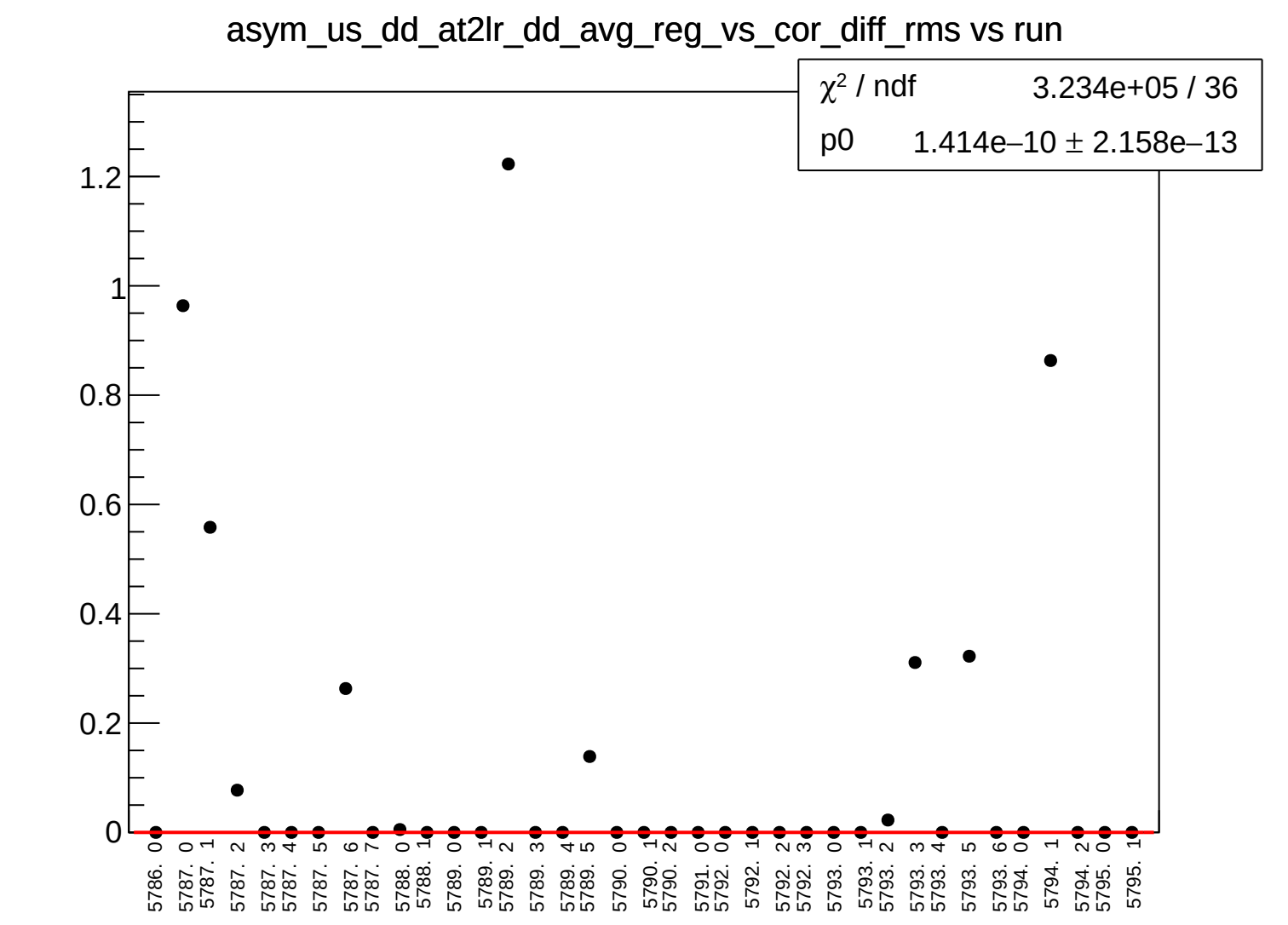

asym_us_dd_at2lr_dd_avg_mean vs run
×10^3
χ² / ndf 40.83 / 36
p0 −1.2e+04 ± 5413
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.12
Std Dev 0
3
2
1
0
−1
−2

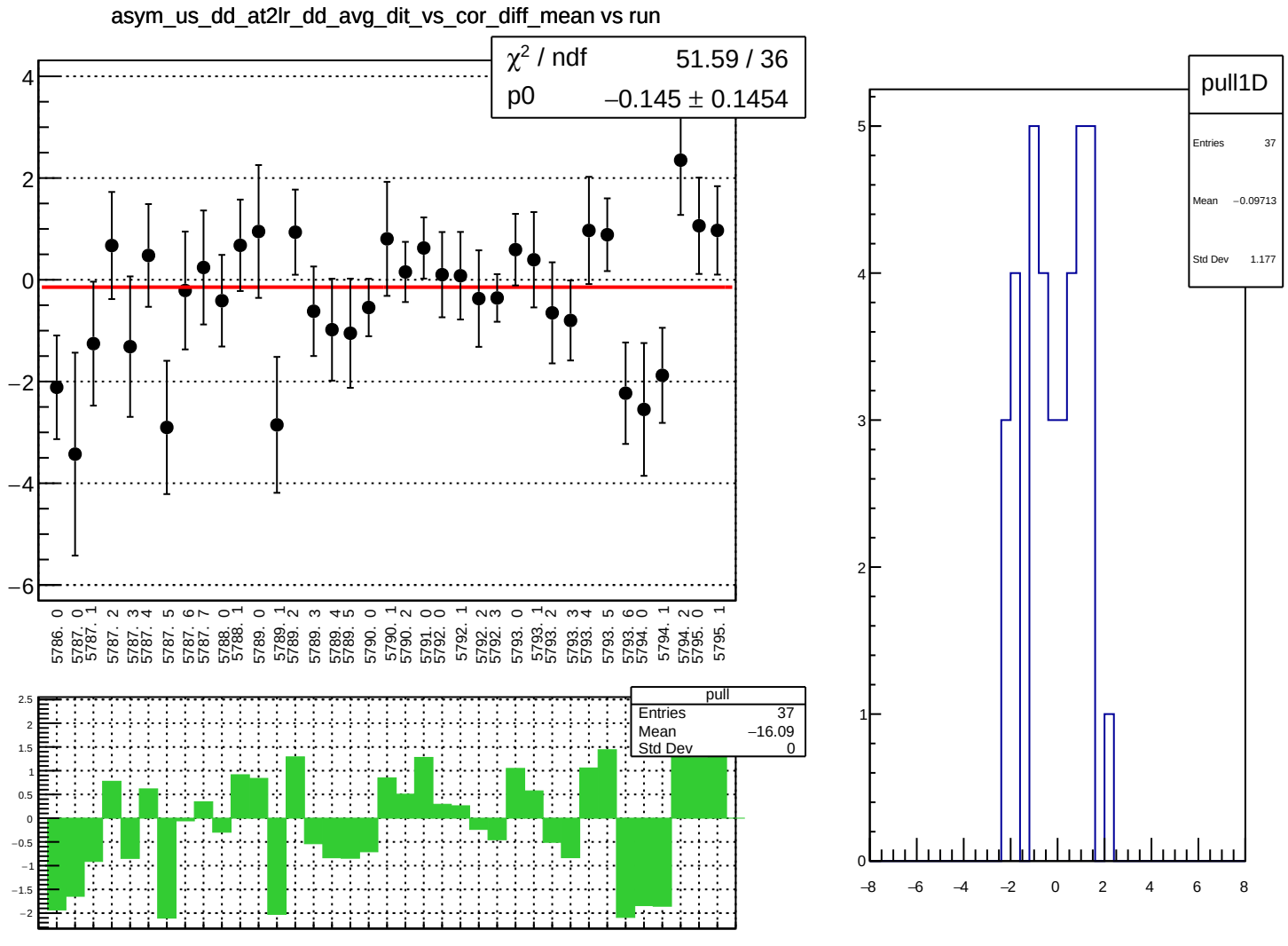

pull1D
Entries 37
Mean −0.02987
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

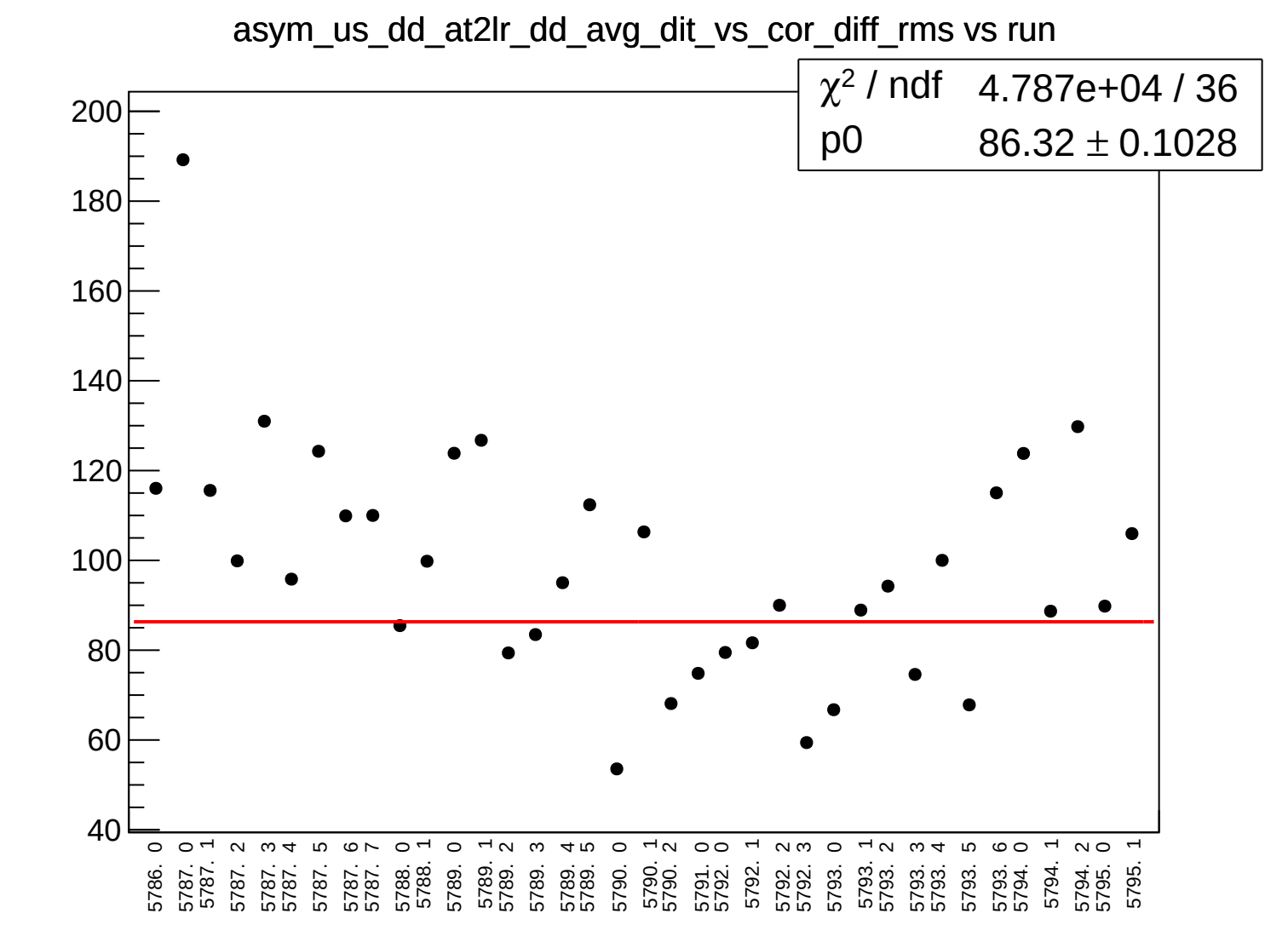

asym_us_dd_at2lr_dd_avg_rms vs run
χ² / ndf 1048 / 36
p0 3319 ± 3.828
3600
3500
3400
3300
3200
3100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

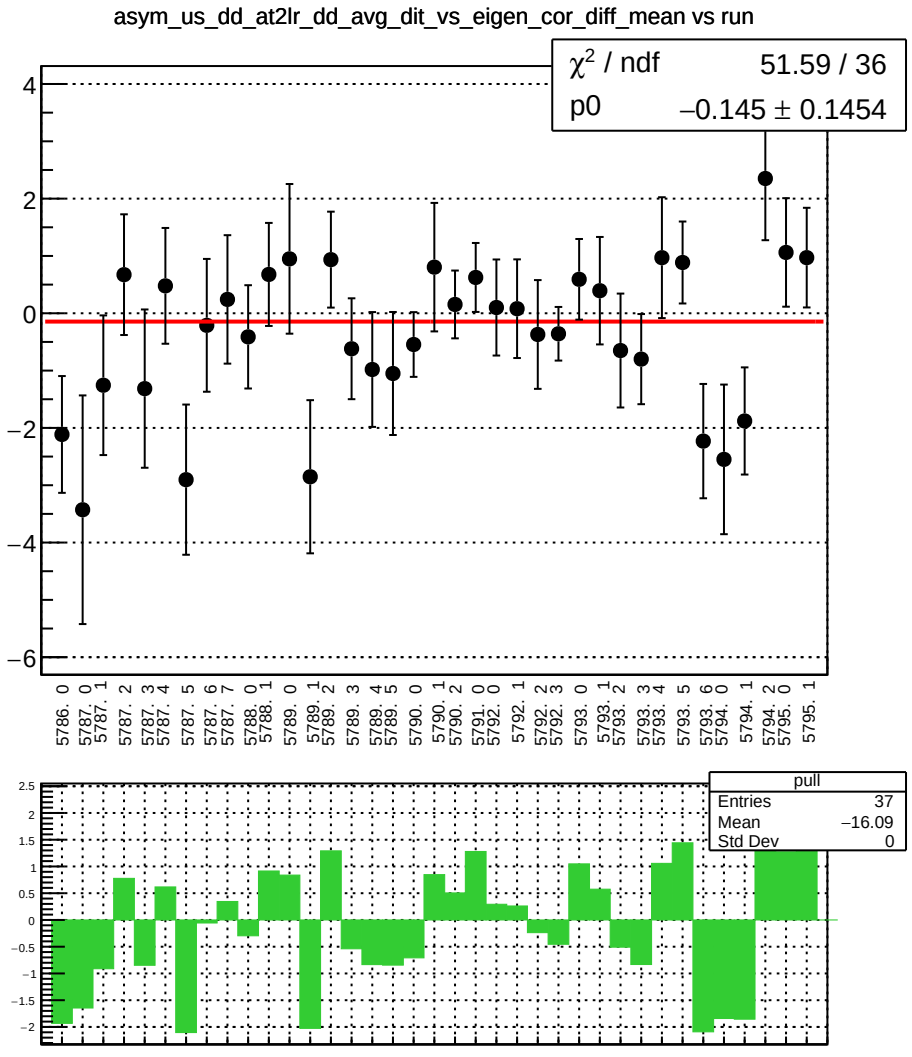

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 42.68 / 36
p0 −2.044e−13 ± 3.051e−13
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −270.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

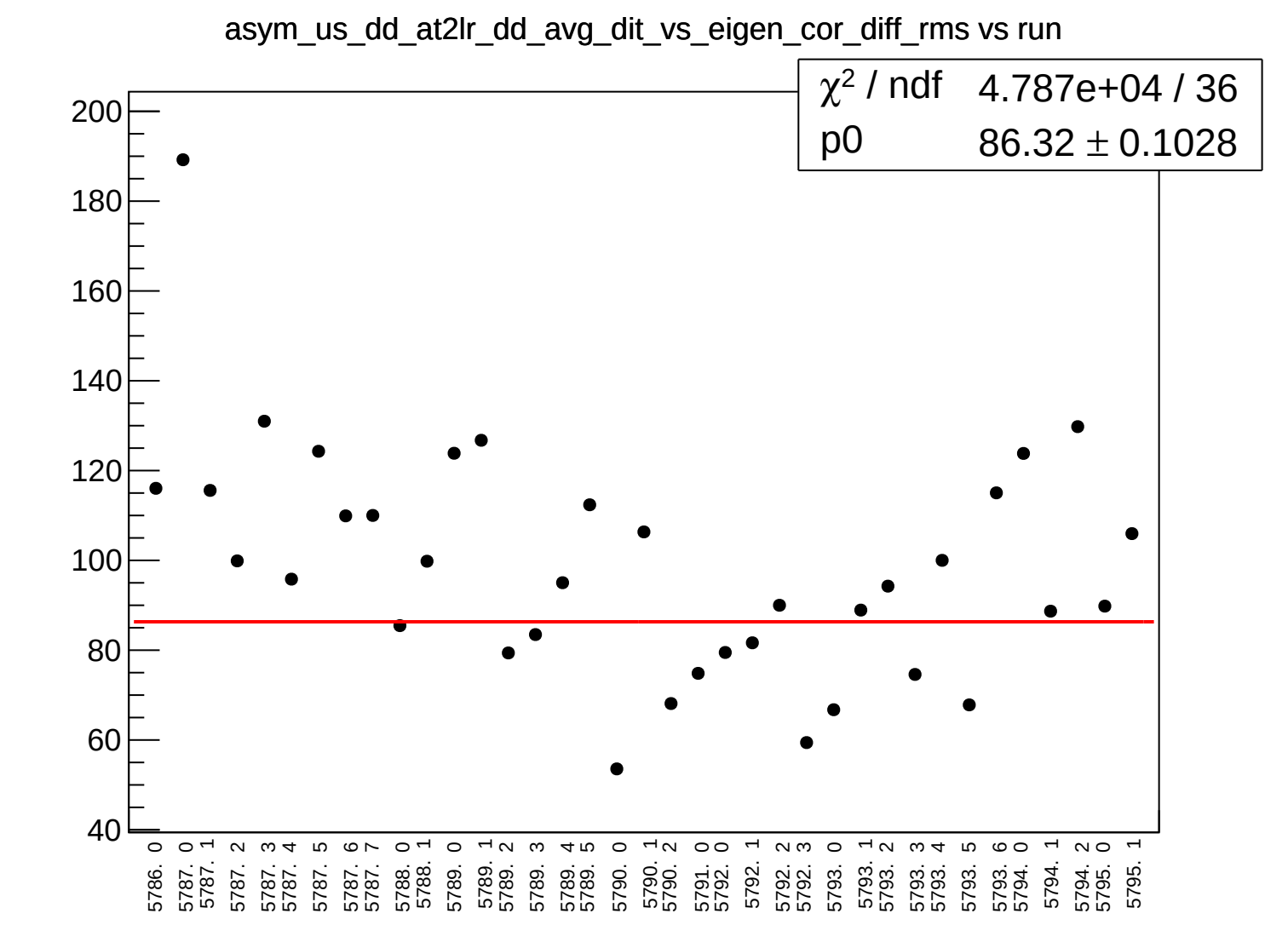

pull1D
Entries 37
Mean 0.006738
Std Dev 1.074
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

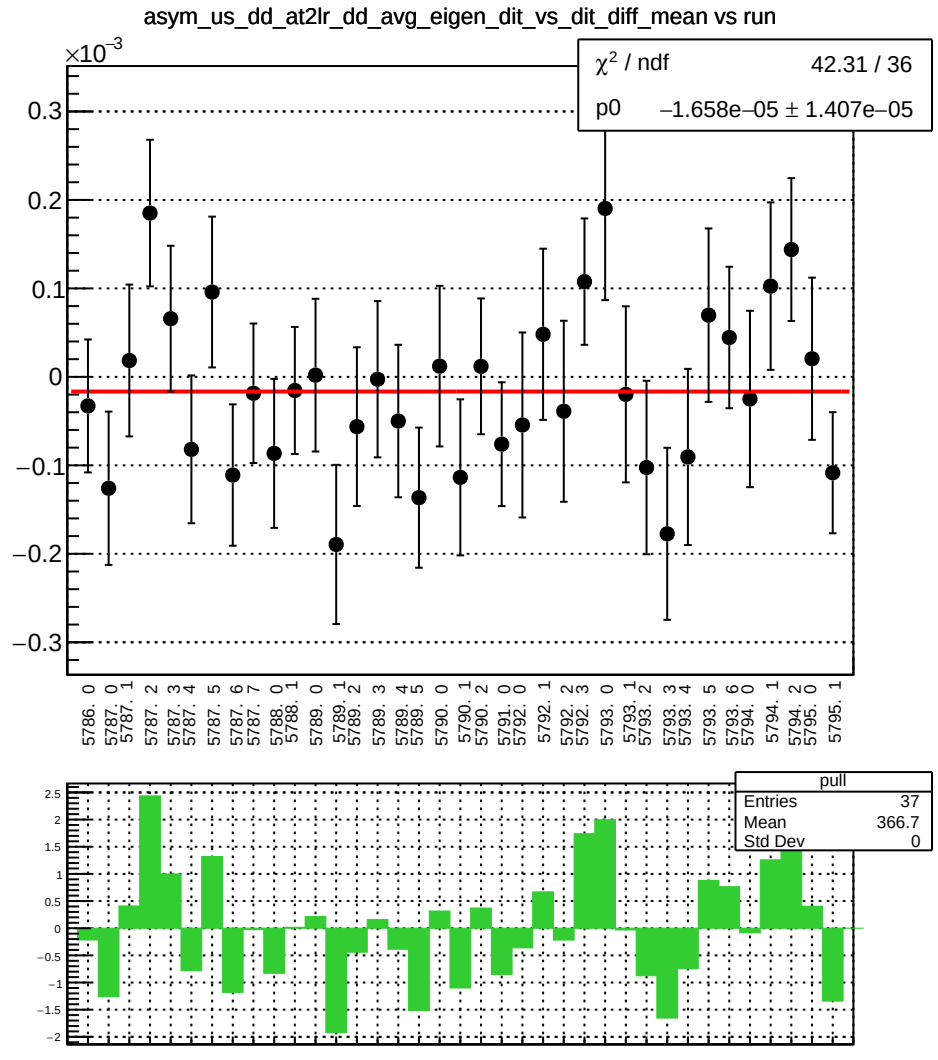

asym_us_dd_at2lr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.234e+05 / 36
p0 1.414e−10 ± 2.158e−13
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

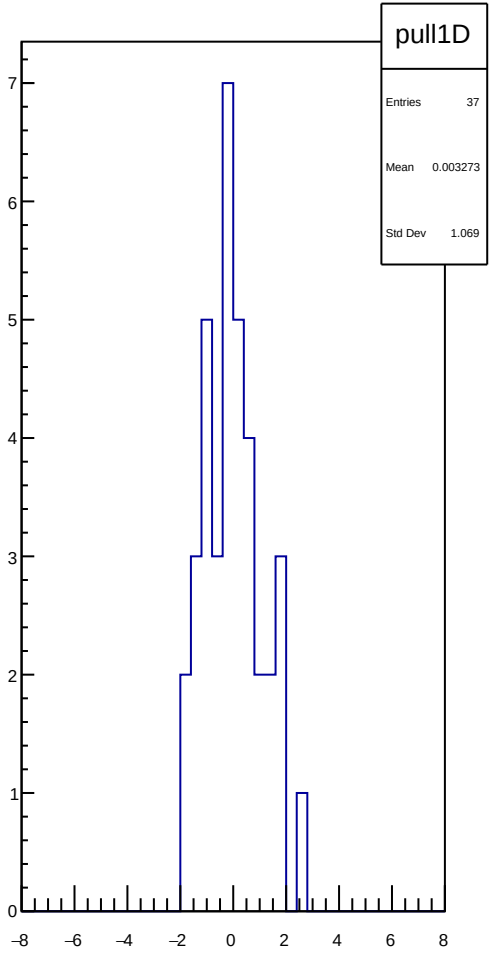

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 51.59 / 36
p0 −0.145 ± 0.1454
pull
Entries 37
Mean −16.09
Std Dev 0
pull1D
Entries 37
Mean −0.09713
Std Dev 1.177

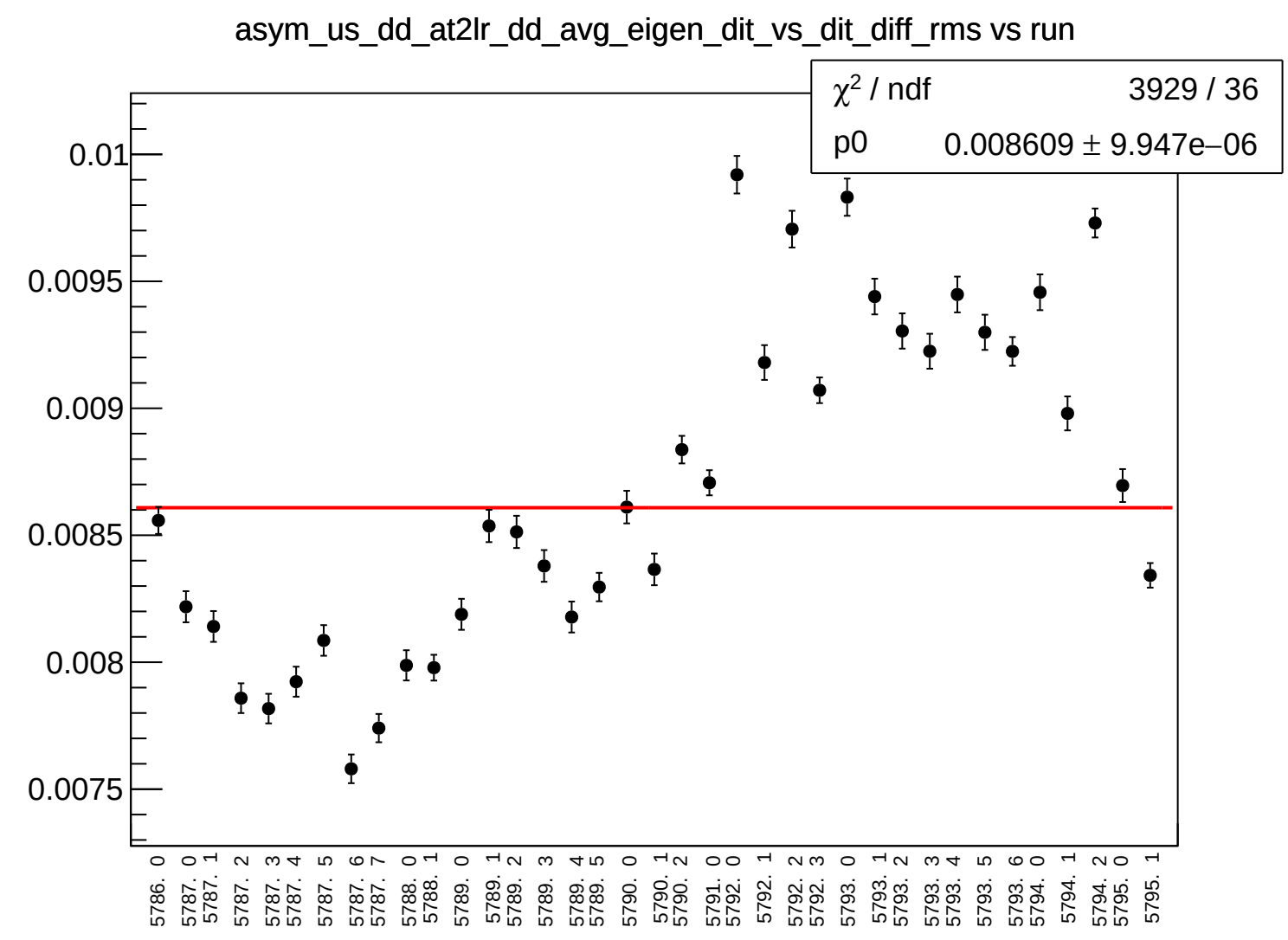

asym_us_dd_at2lr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.787e+04 / 36
p0 86.32 ± 0.1028
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

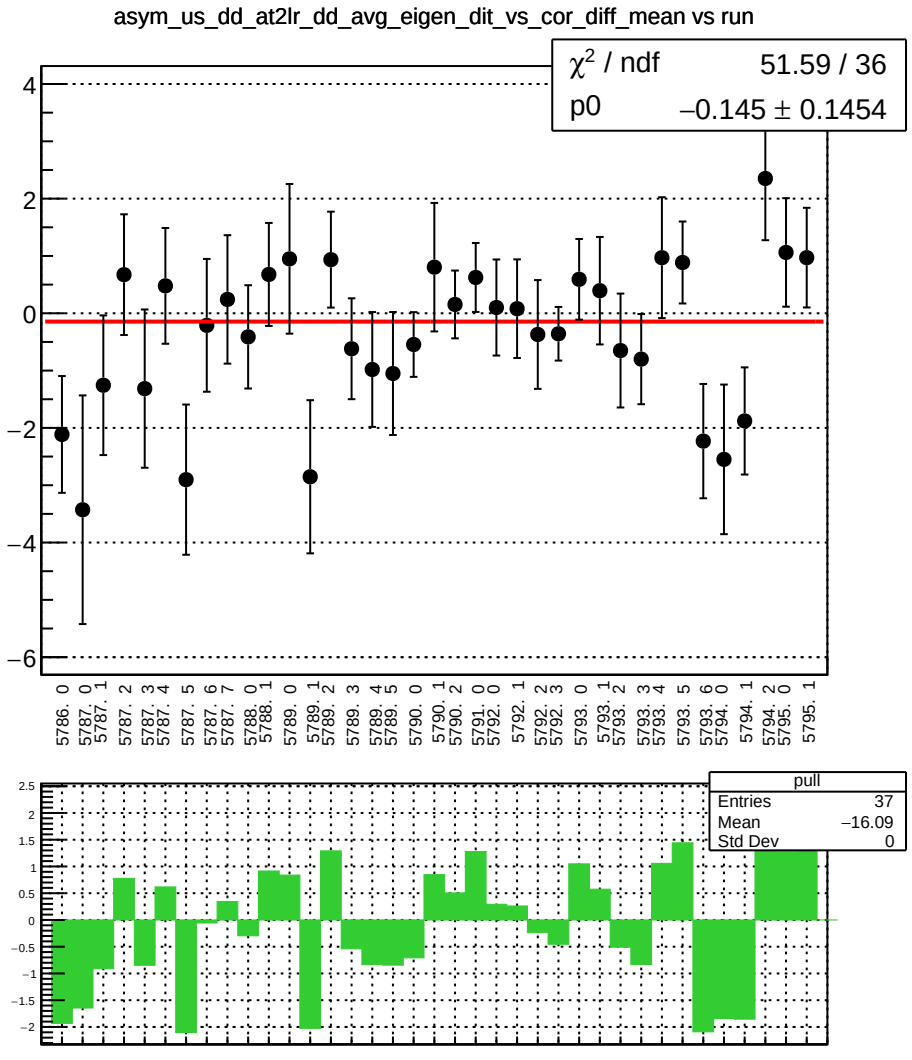

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.59 / 36
p0 −0.145 ± 0.1454
pull
Entries 37
Mean −16.09
Std Dev 0
pull1D
Entries 37
Mean −0.09713
Std Dev 1.177

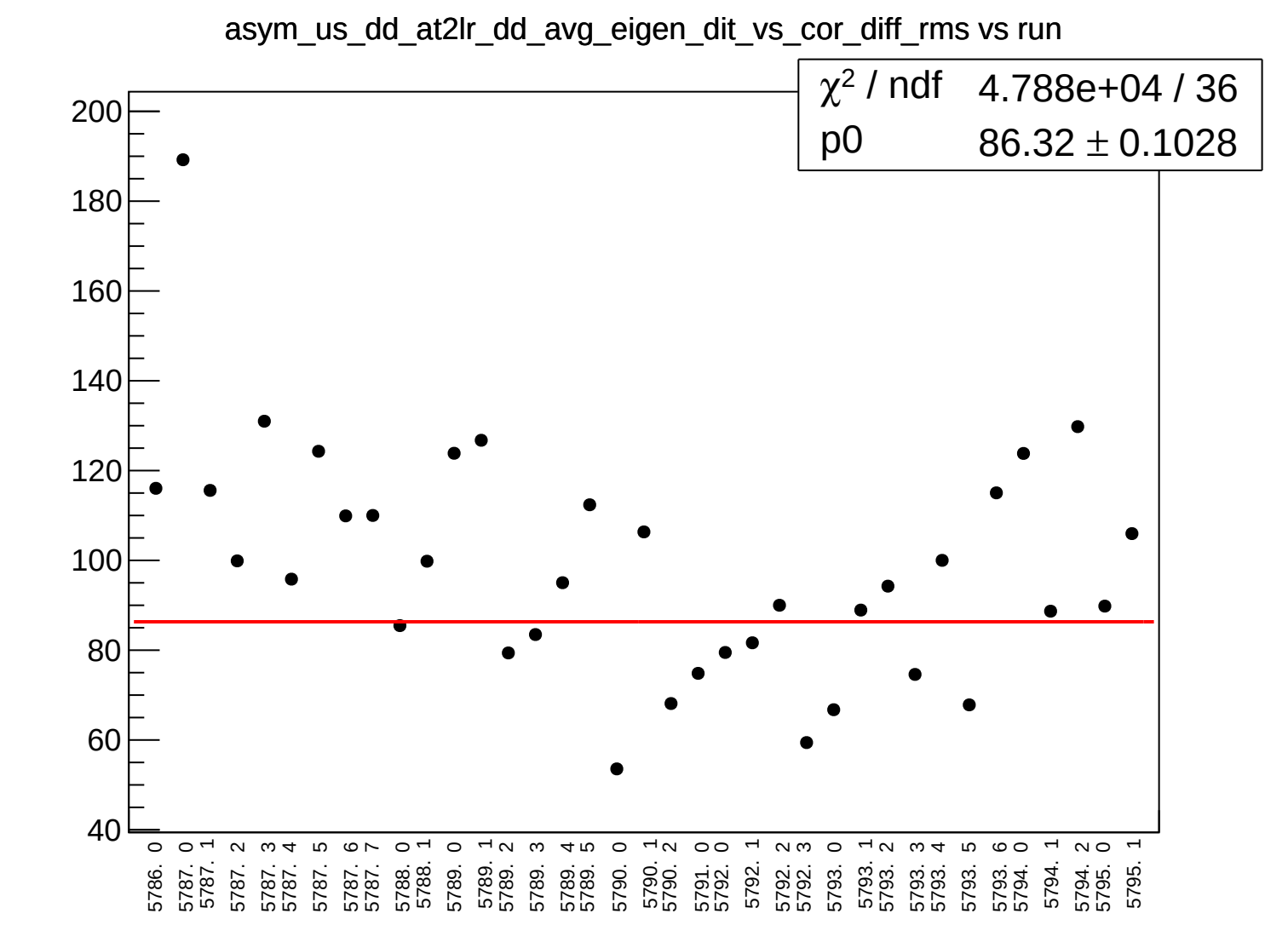

asym_us_dd_at2lr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.787e+04 / 36
p0 86.32 ± 0.1028
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

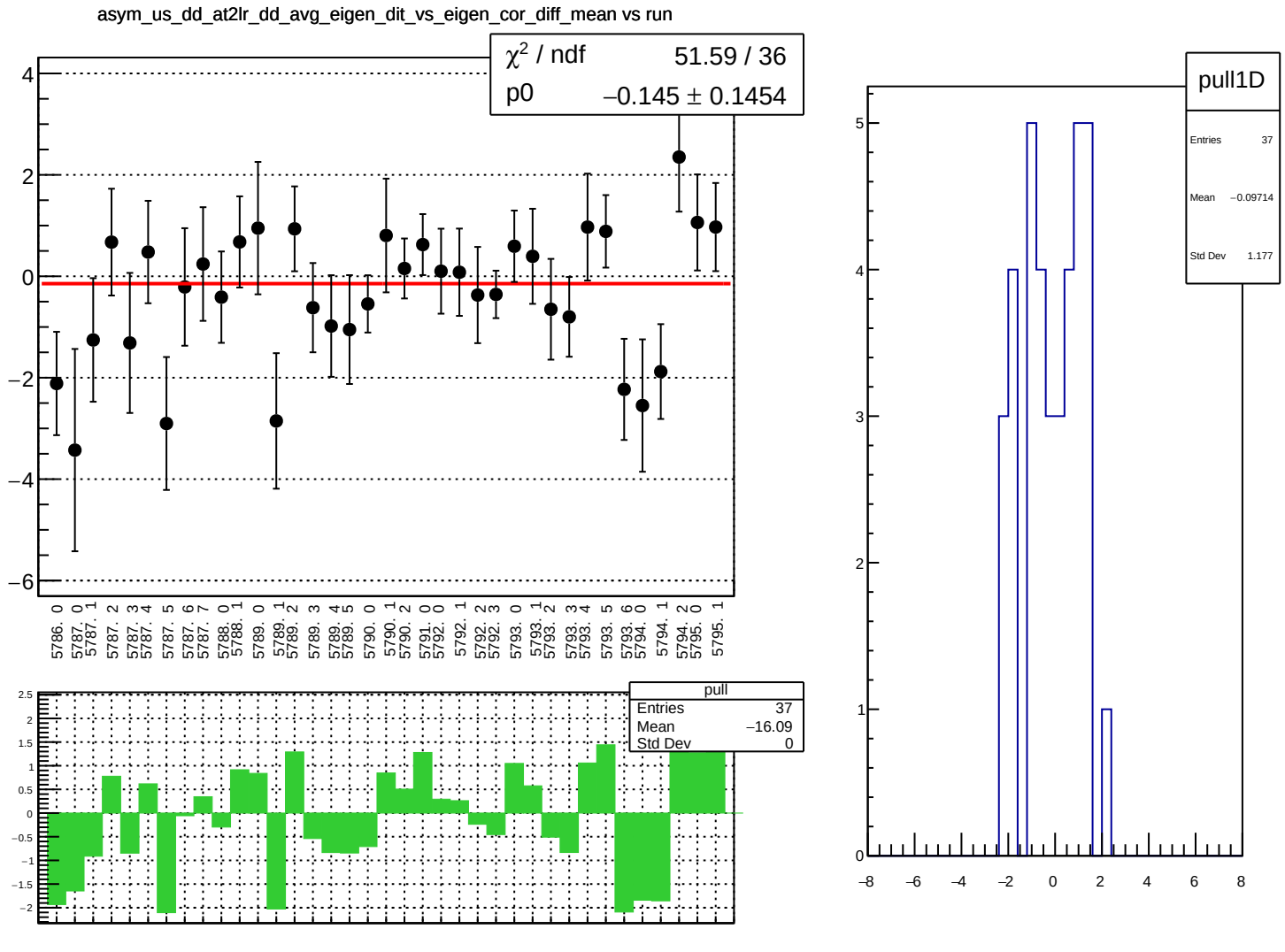

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.31 / 36
p0 −1.658e−05 ± 1.407e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 366.7
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

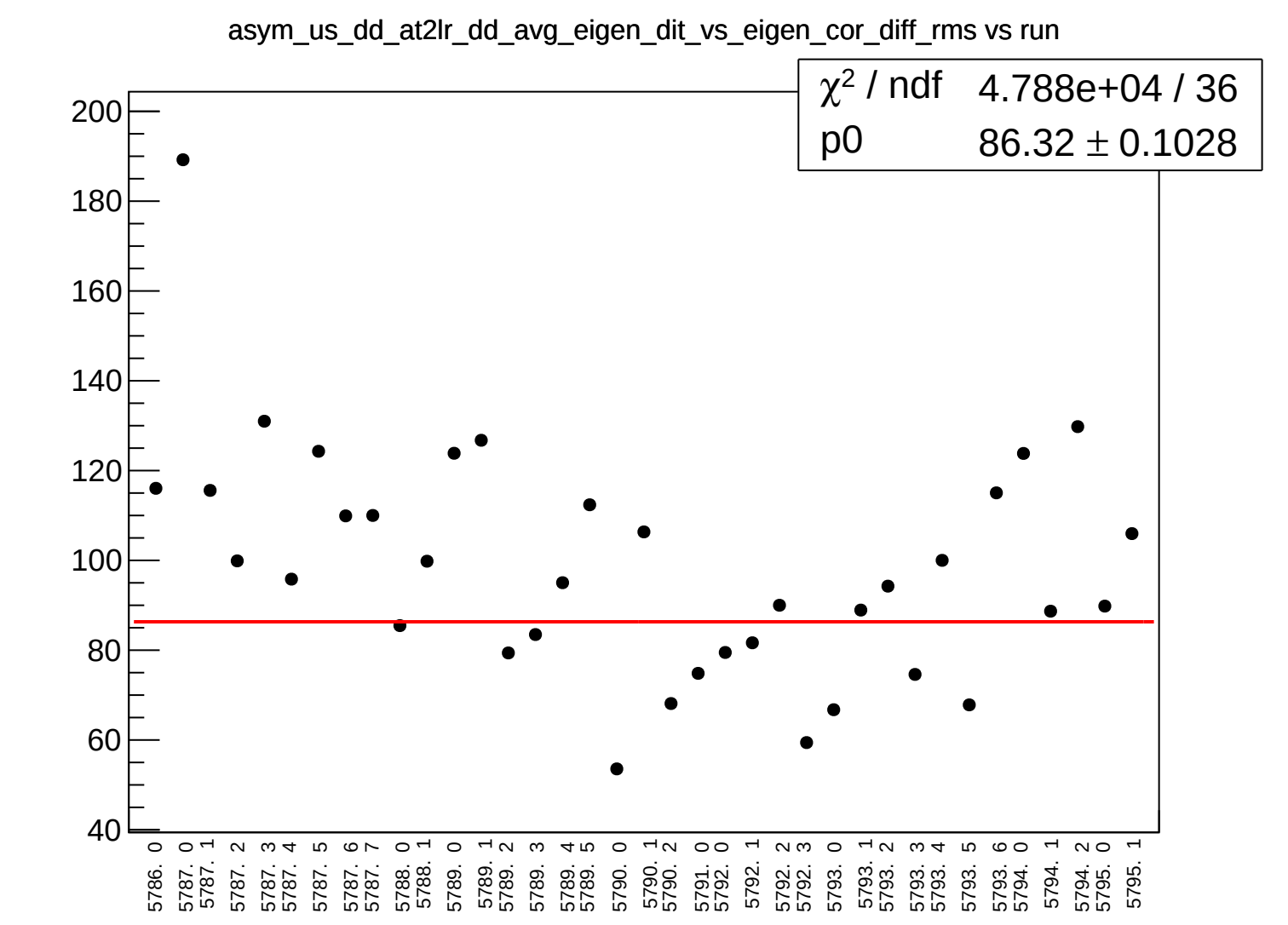

pull1D
Entries 37
Mean 0.003273
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

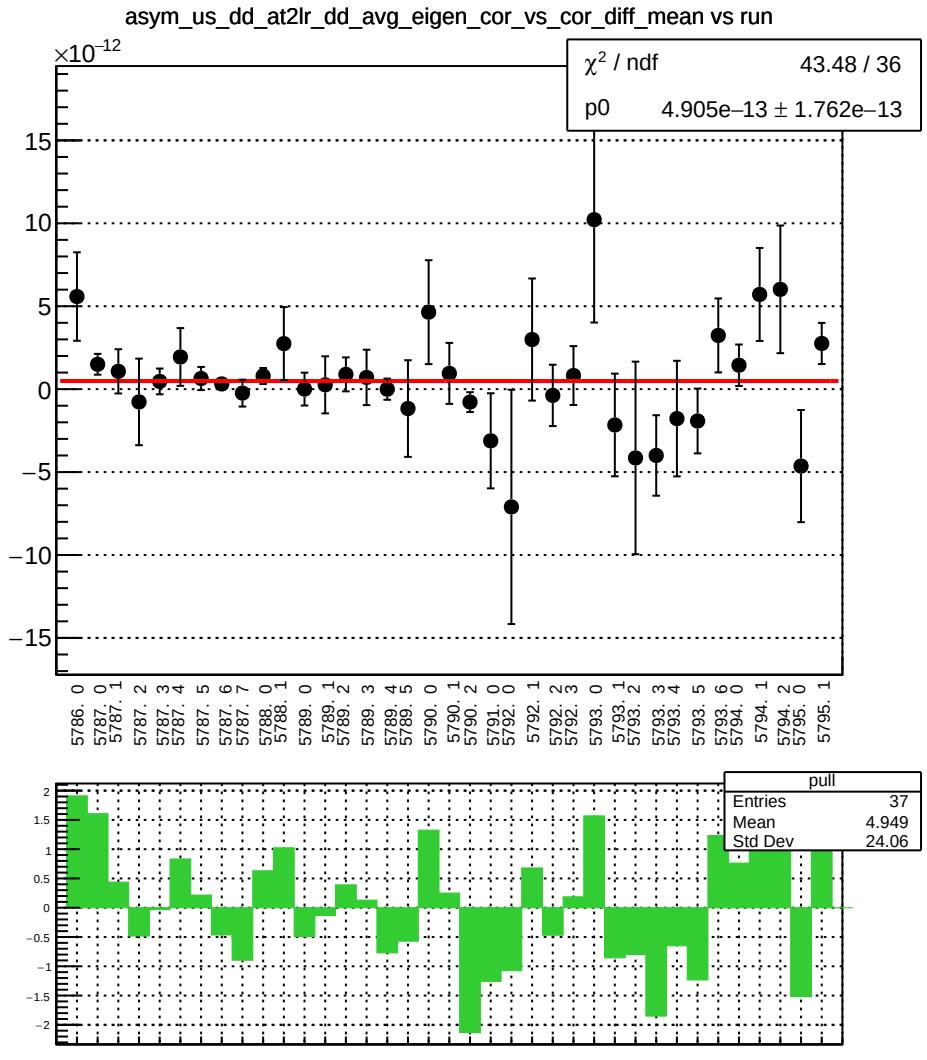

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3929 / 36
p0 0.008609 ± 9.947e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

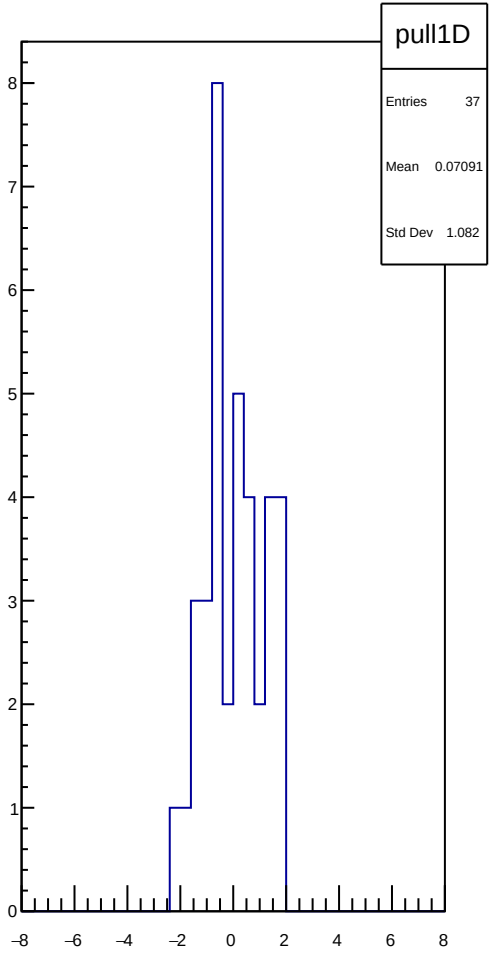

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 51.59 / 36
p0 −0.145 ± 0.1454
pull
Entries 37
Mean −16.09
Std Dev 0
pull1D
Entries 37
Mean −0.09714
Std Dev 1.177

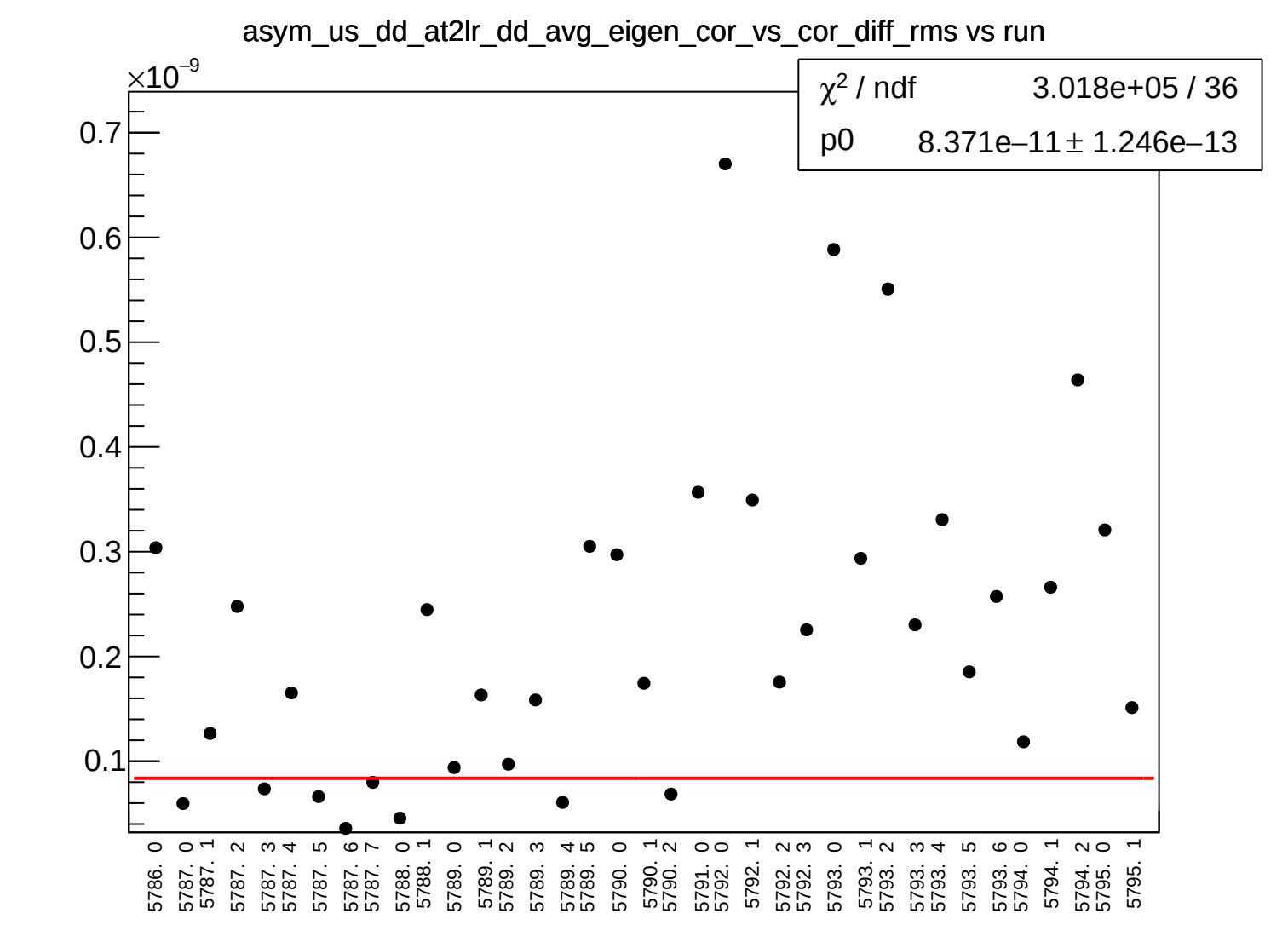

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 36
p0 86.32 ± 0.1028
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

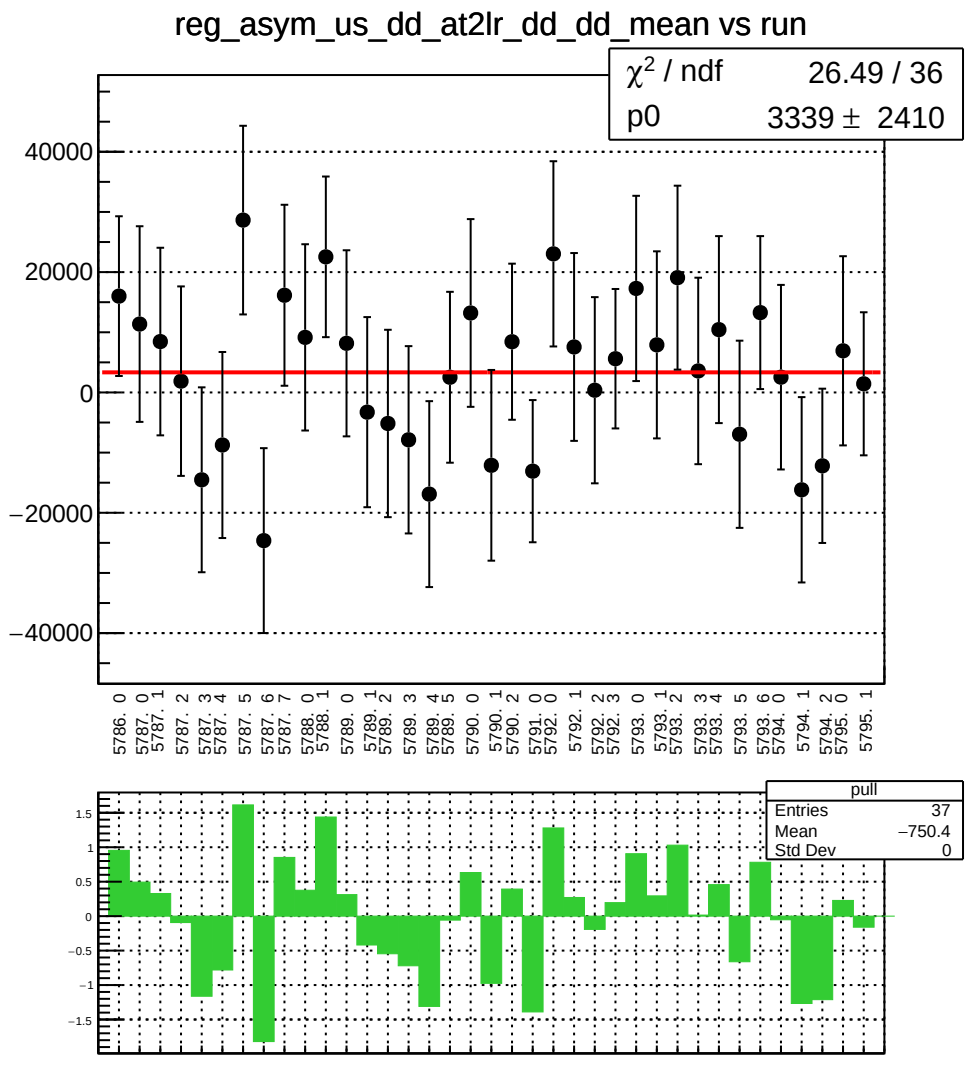

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 51.59 / 36
p0 −0.145 ± 0.1454
pull
Entries 37
Mean −16.09
Std Dev 0
pull1D
Entries 37
Mean −0.09714
Std Dev 1.177

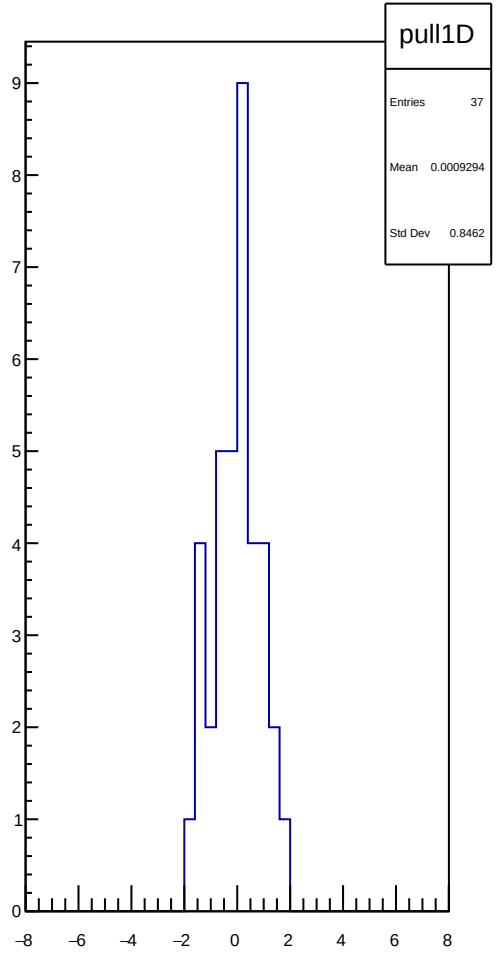

asym_us_dd_at2lr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.788e+04 / 36
p0 86.32 ± 0.1028
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

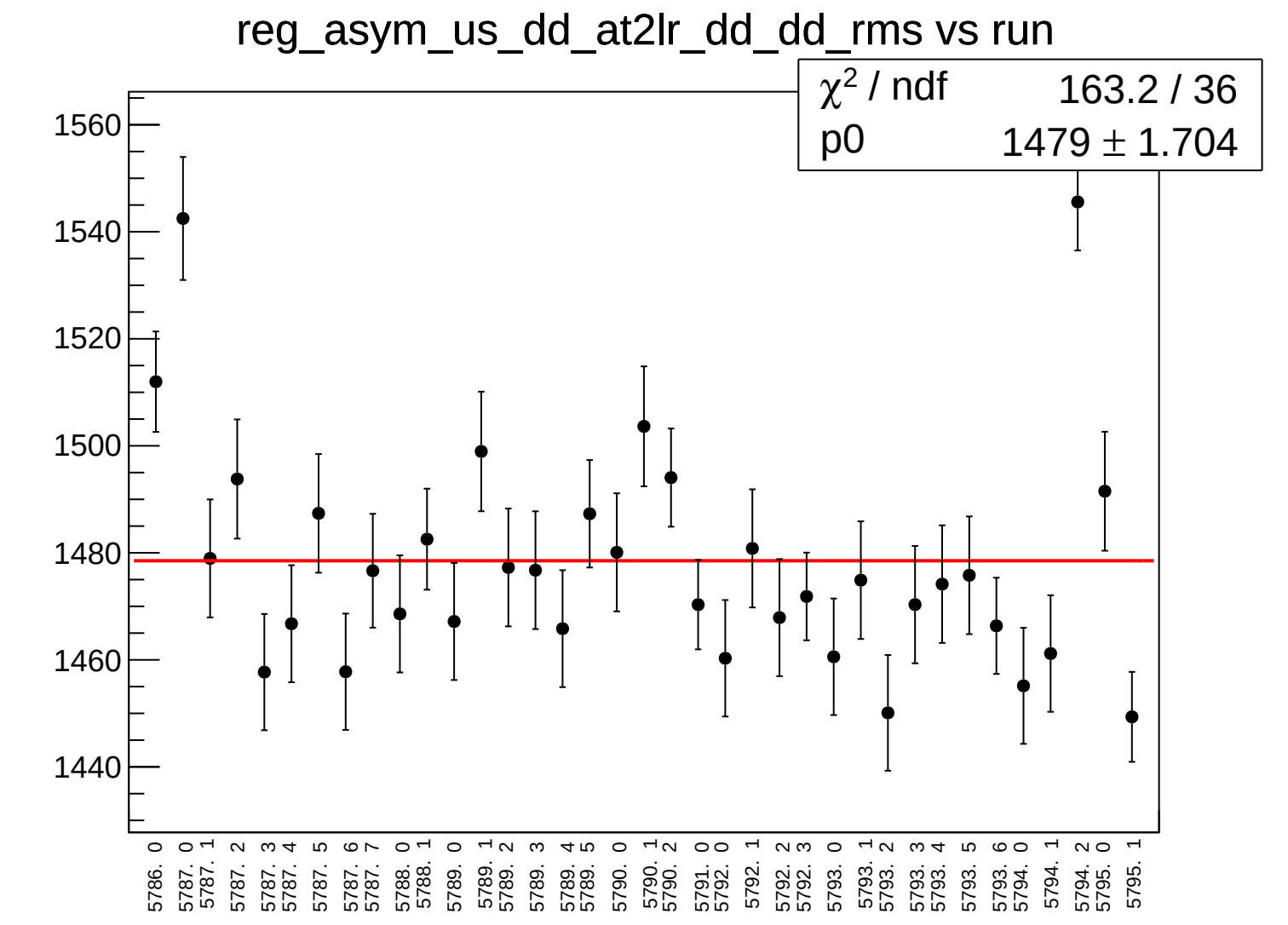

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.48 / 36
p0 4.905e−13 ± 1.762e−13
15
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 4.949
Std Dev 24.06
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

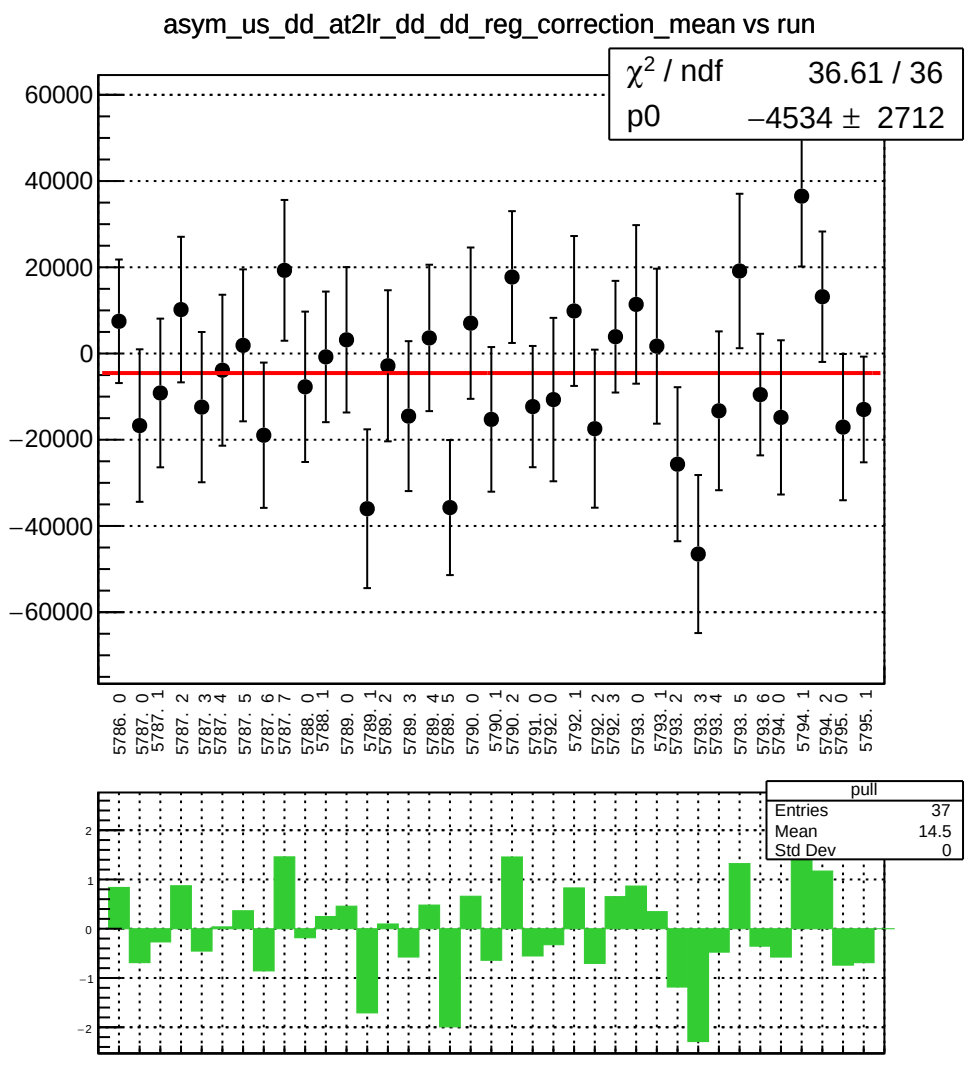

pull1D
Entries 37
Mean 0.07091
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

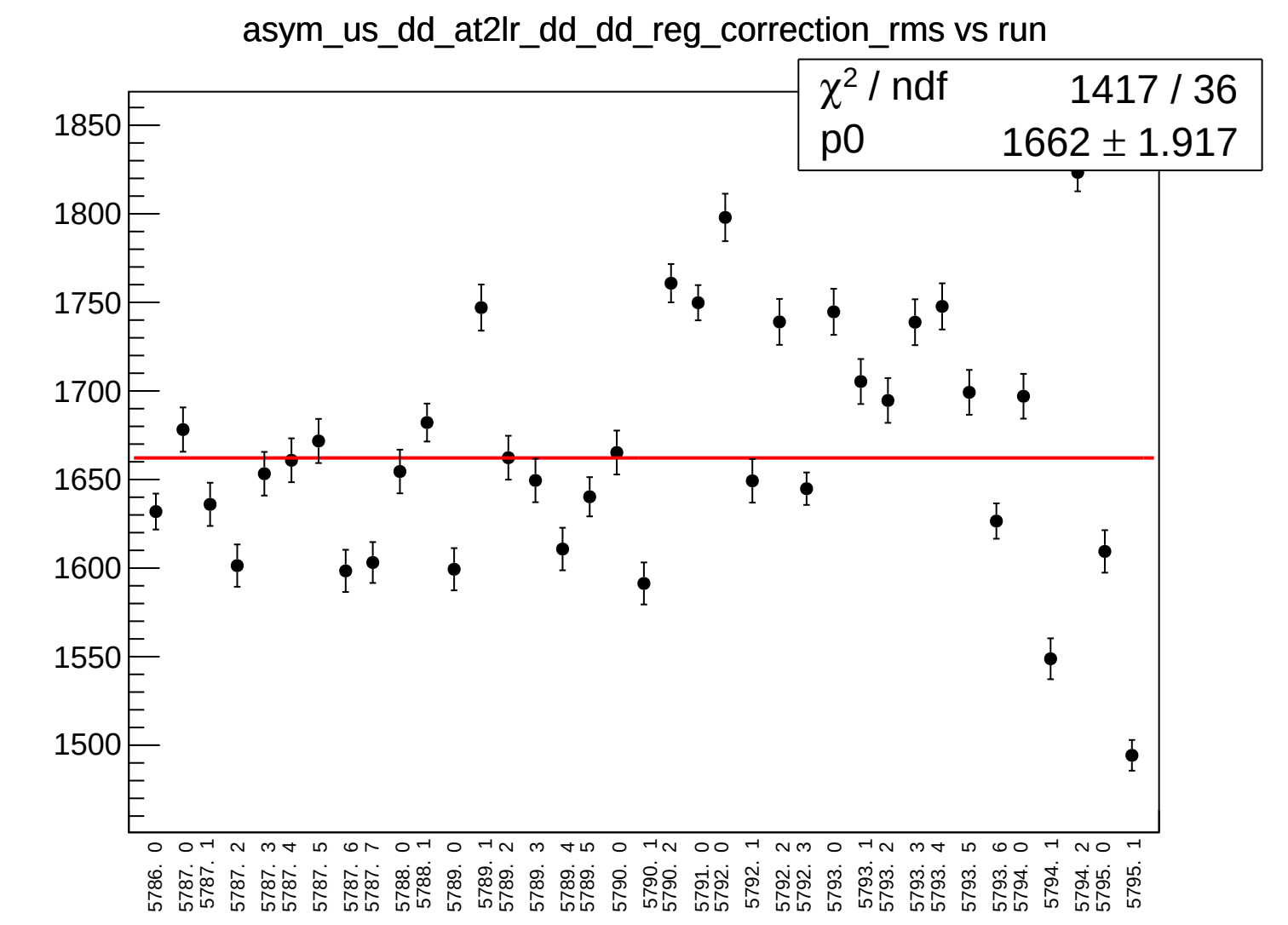

asym_us_dd_at2lr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.018e+05 / 36
p0 8.371e−11 ± 1.246e−13
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

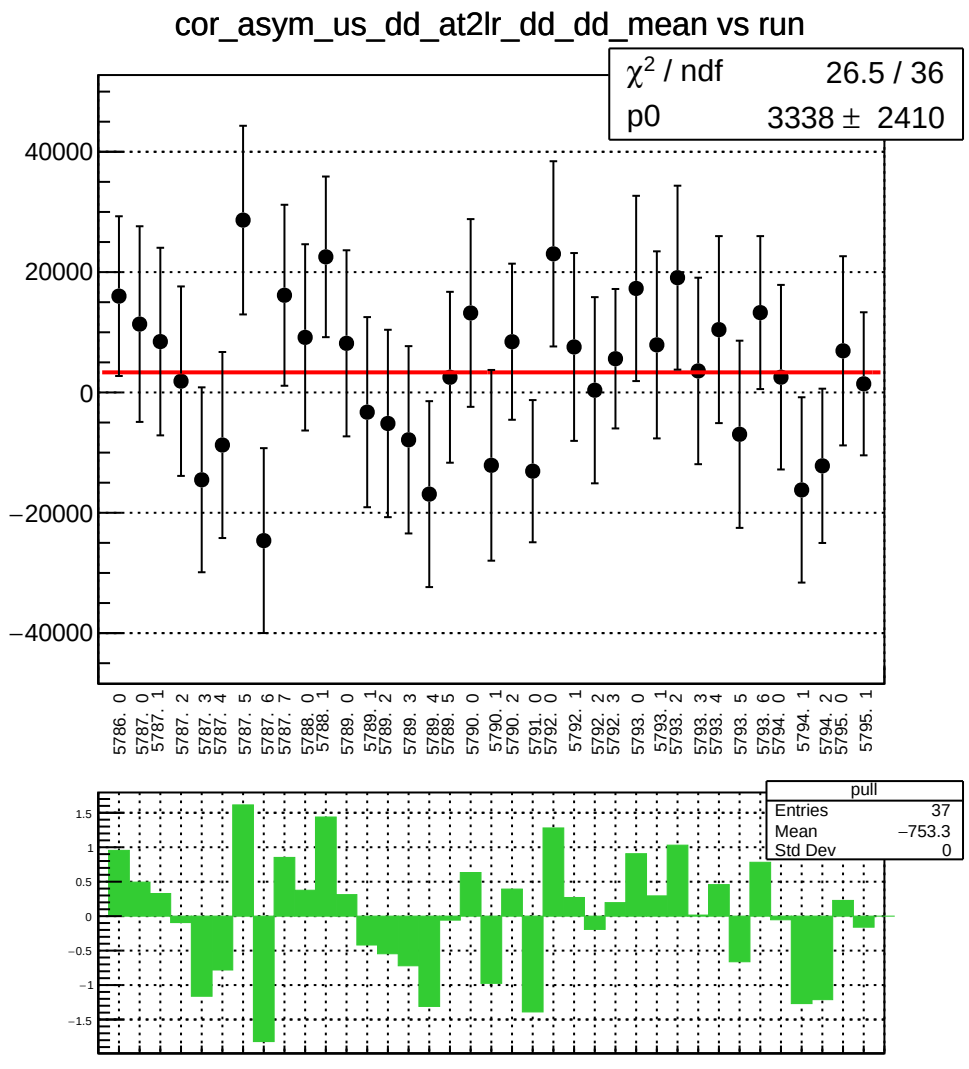

reg_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 26.49 / 36
p0 3339 ± 2410
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −750.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

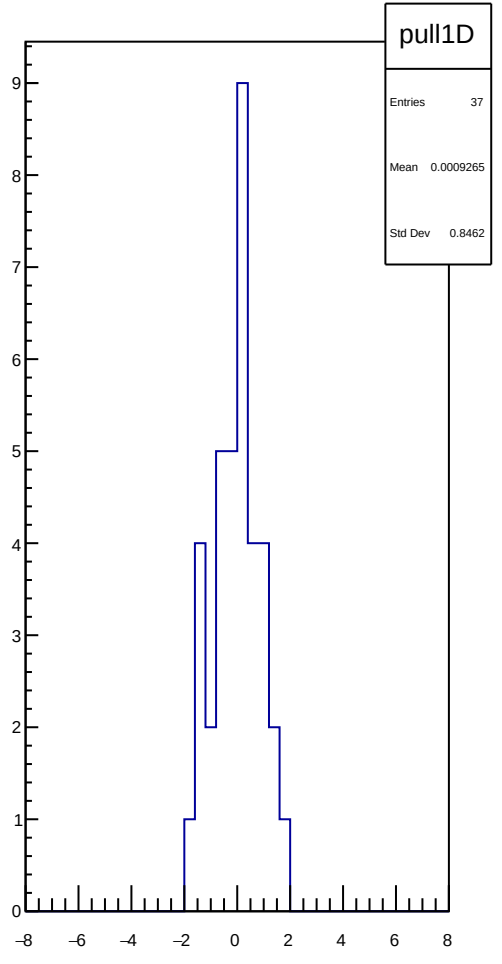

pull1D
Entries 37
Mean 0.0009294
Std Dev 0.8462
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

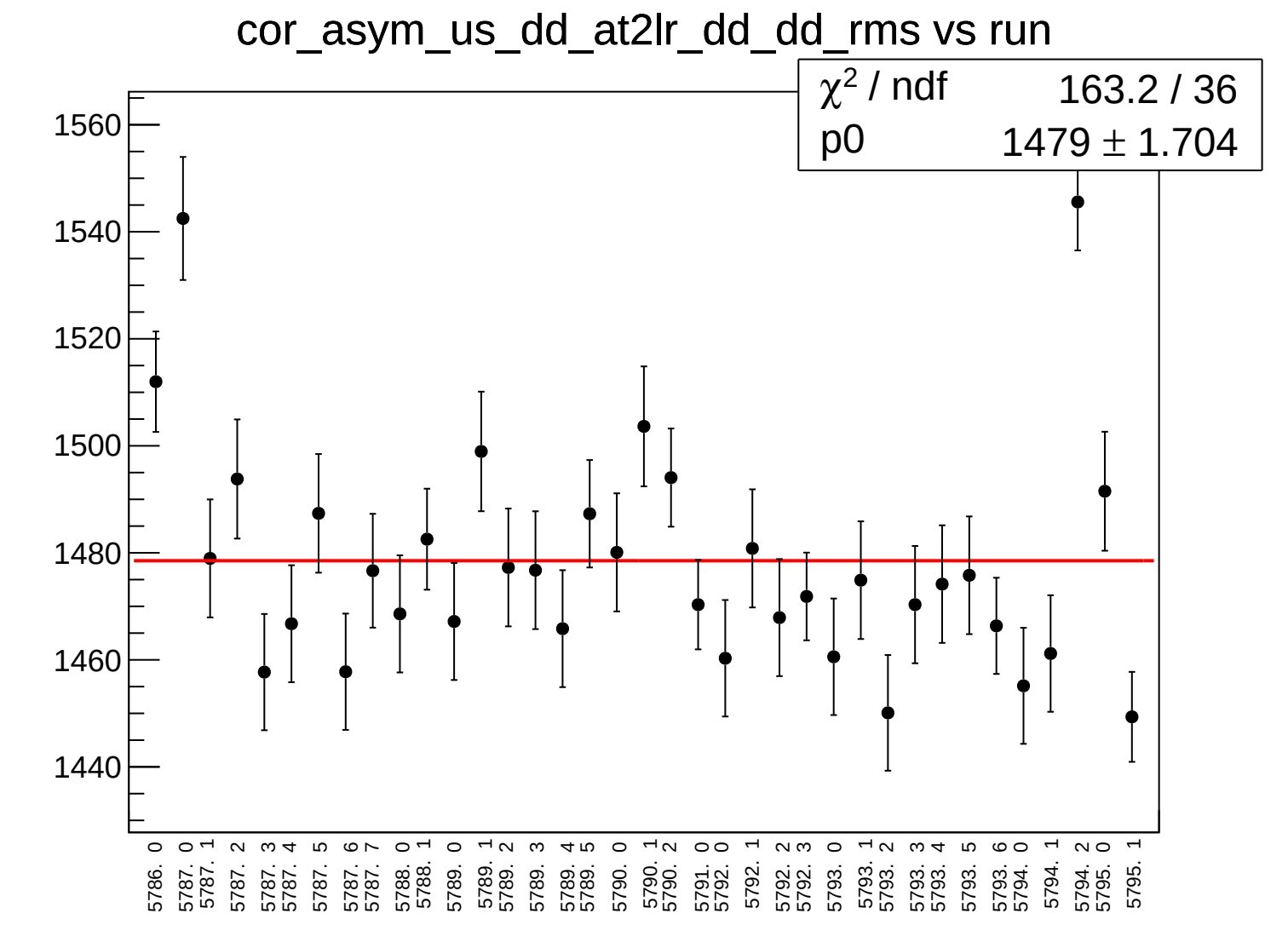

reg_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 163.2 / 36
p0 1479 ± 1.704
1560
1540
1520
1500
1480
1460
1440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

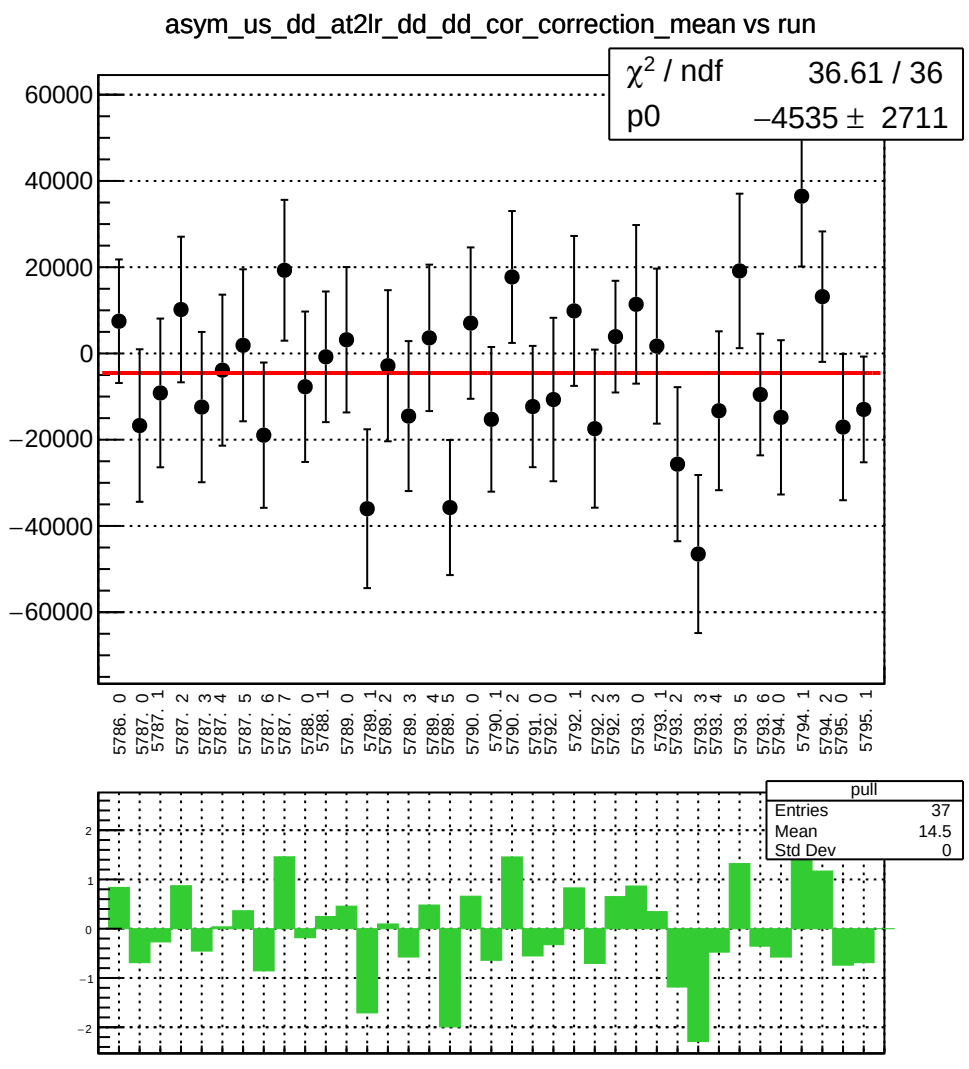

asym_us_dd_at2lr_dd_dd_reg_correction_mean vs run
χ² / ndf 36.61 / 36
p0 −4534 ± 2712
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01583
Std Dev 0.9946
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

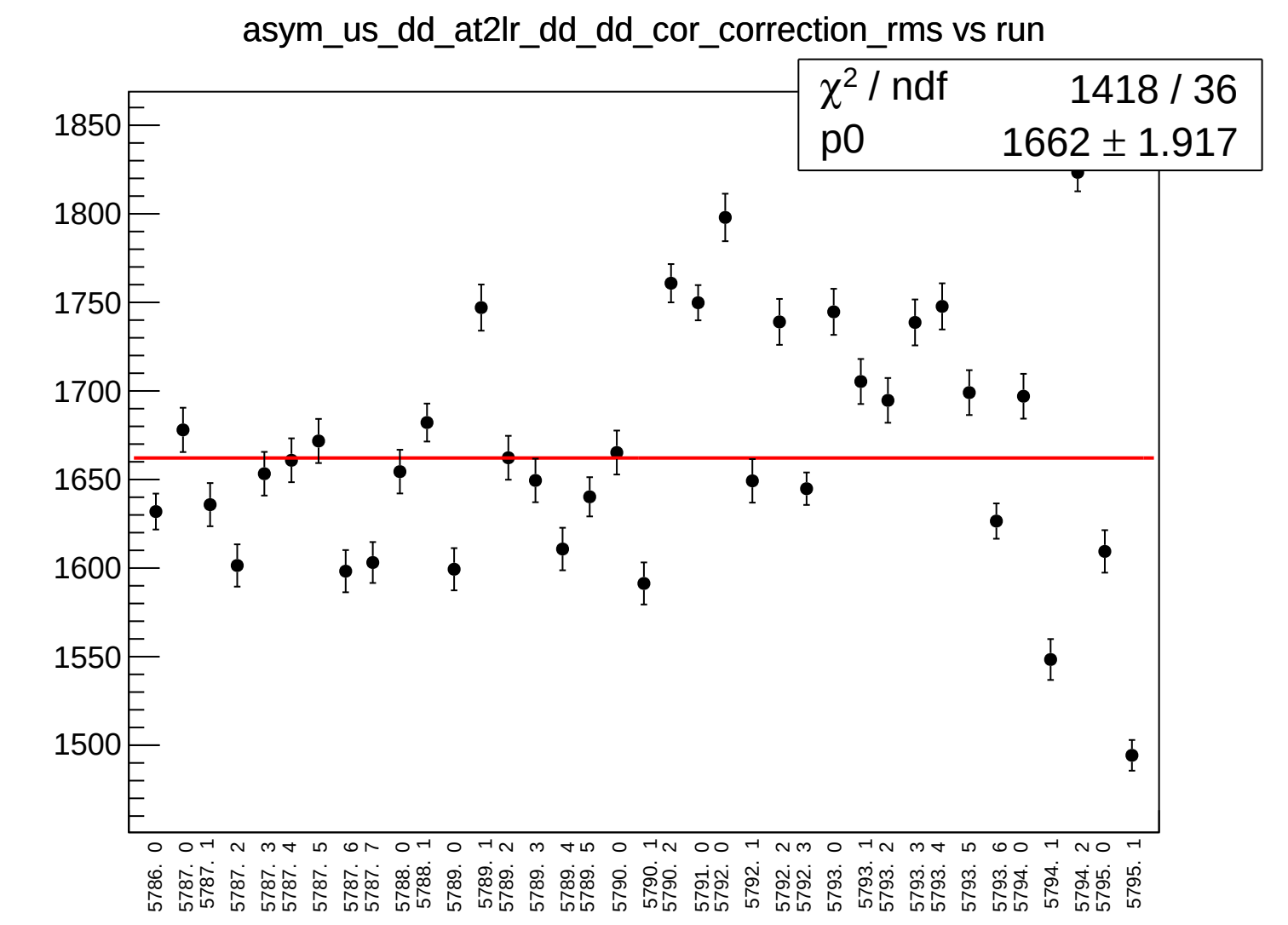

asym_us_dd_at2lr_dd_dd_reg_correction_rms vs run
χ² / ndf 1417 / 36
p0 1662 ± 1.917
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

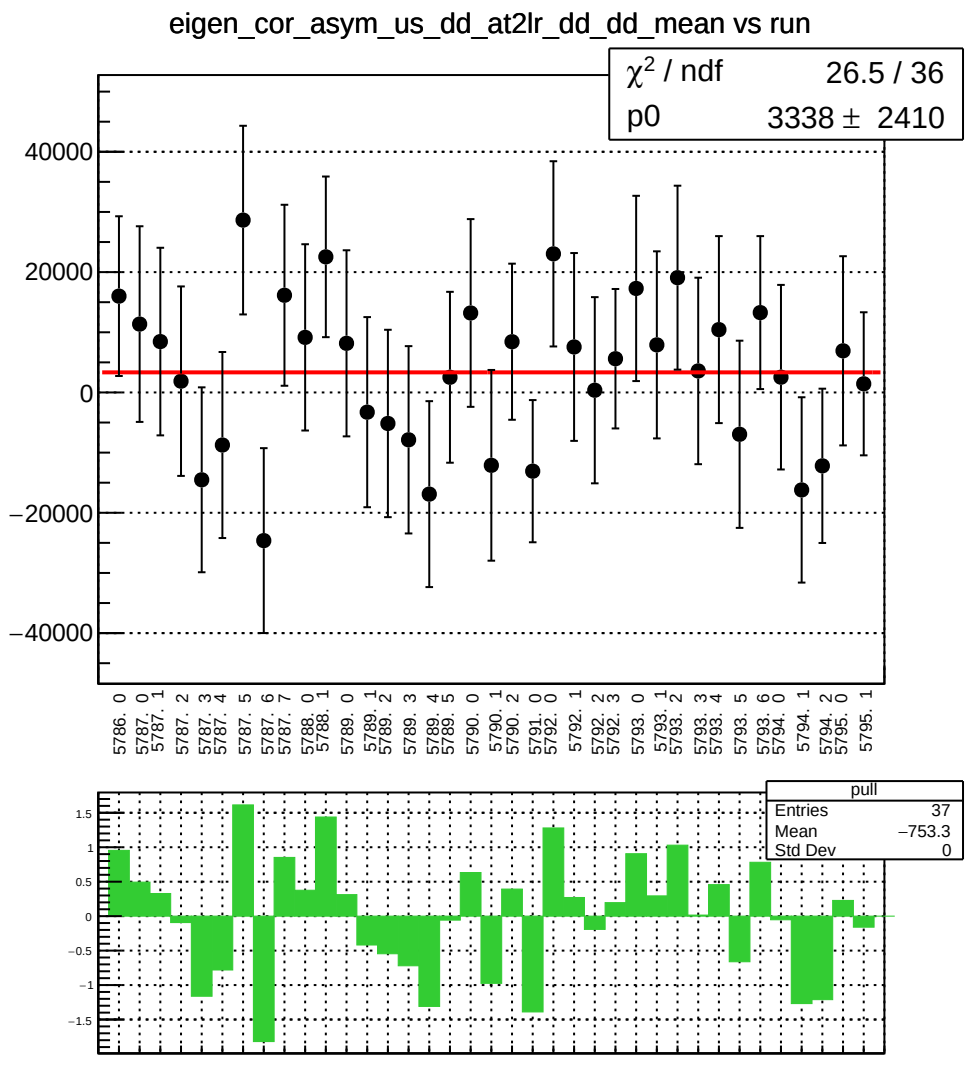

cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 26.5 / 36
p0 3338 ± 2410
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −753.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

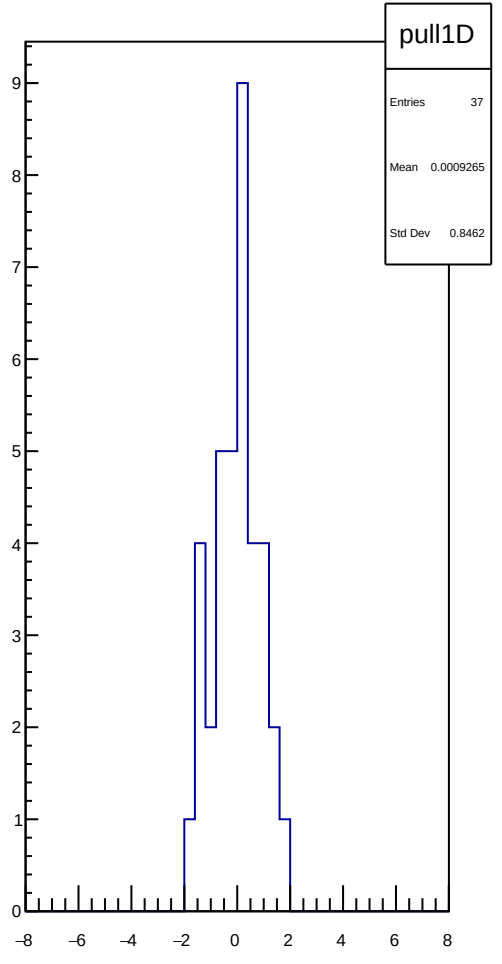

pull1D
Entries 37
Mean 0.0009265
Std Dev 0.8462
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

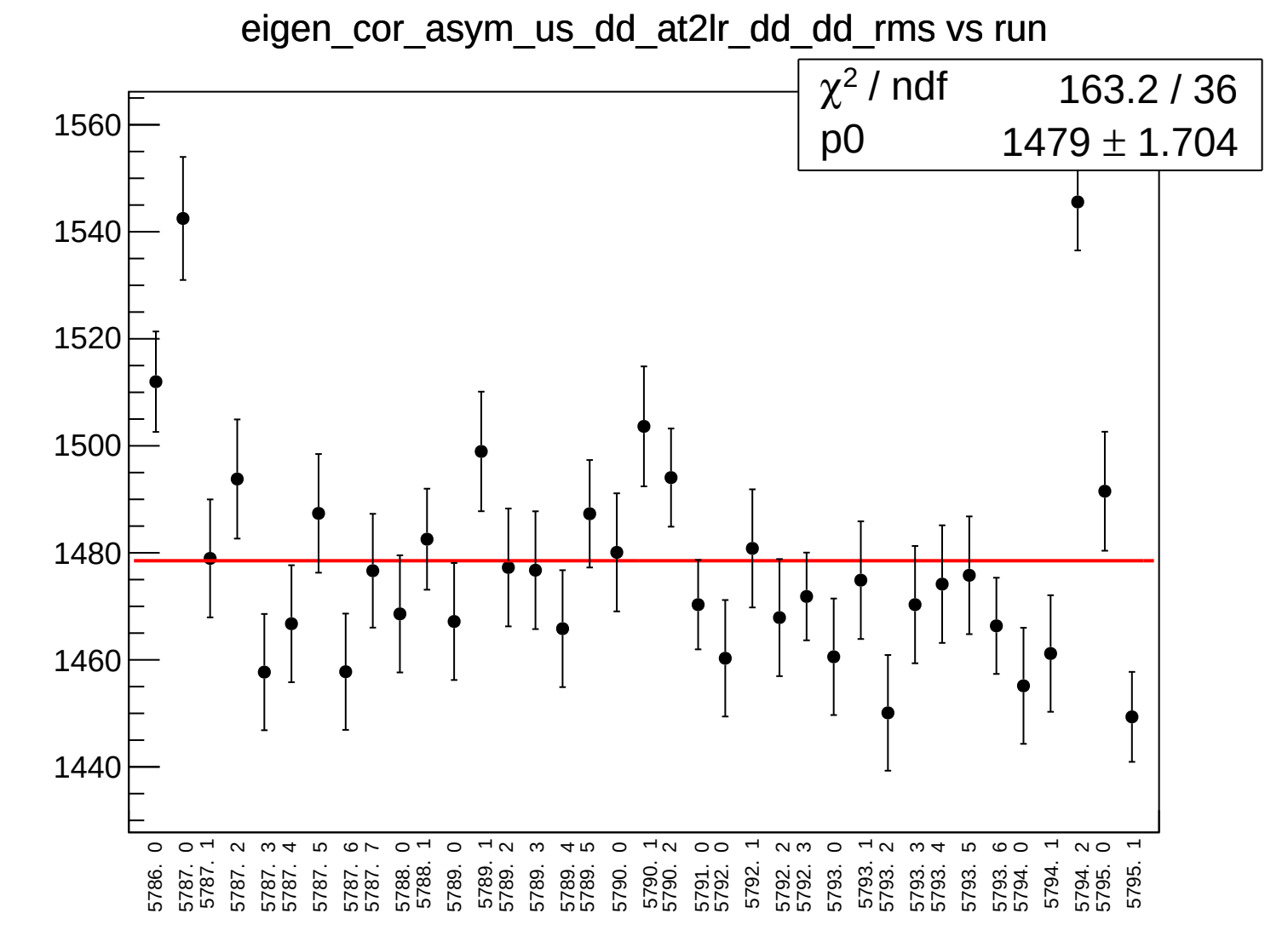

cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 163.2 / 36
p0 1479 ± 1.704
1560
1540
1520
1500
1480
1460
1440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

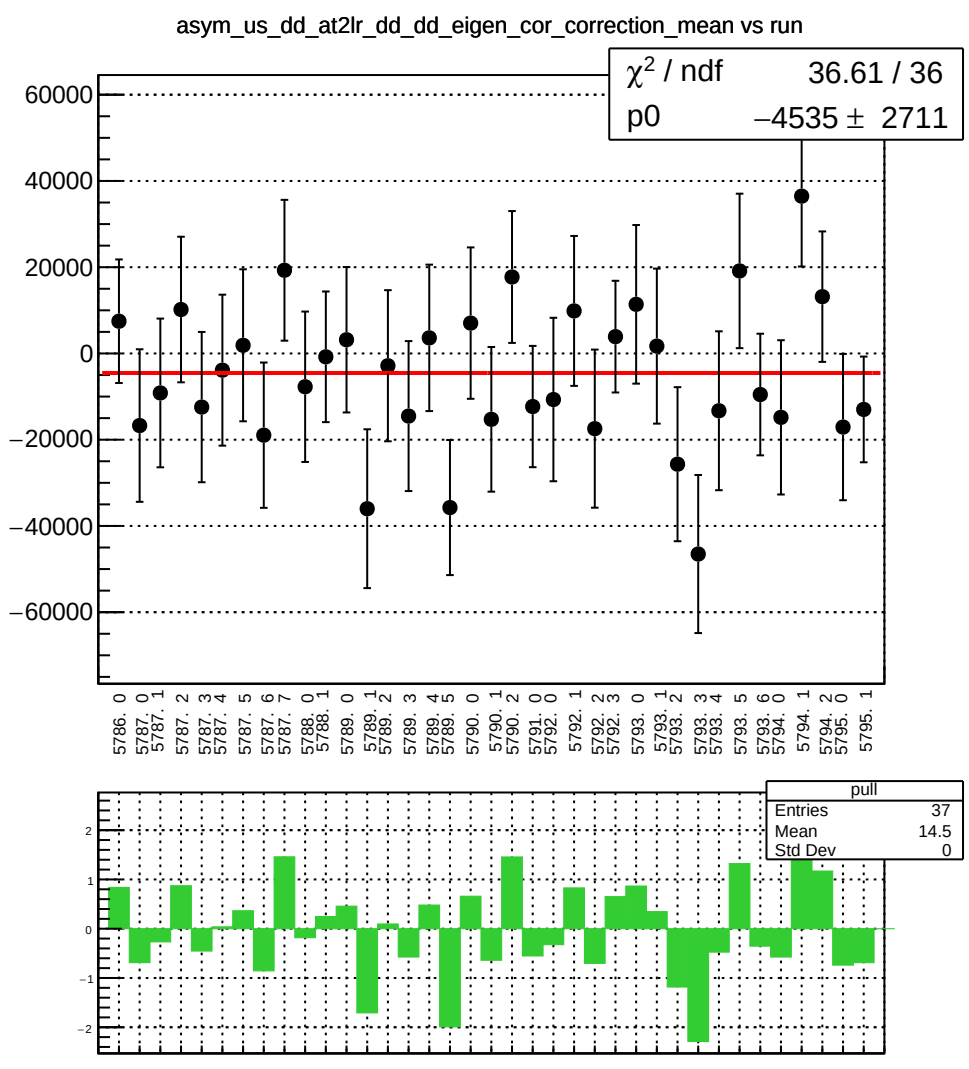

asym_us_dd_at2lr_dd_dd_cor_correction_mean vs run
χ² / ndf 36.61 / 36
p0 −4535 ± 2711
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01584
Std Dev 0.9945
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

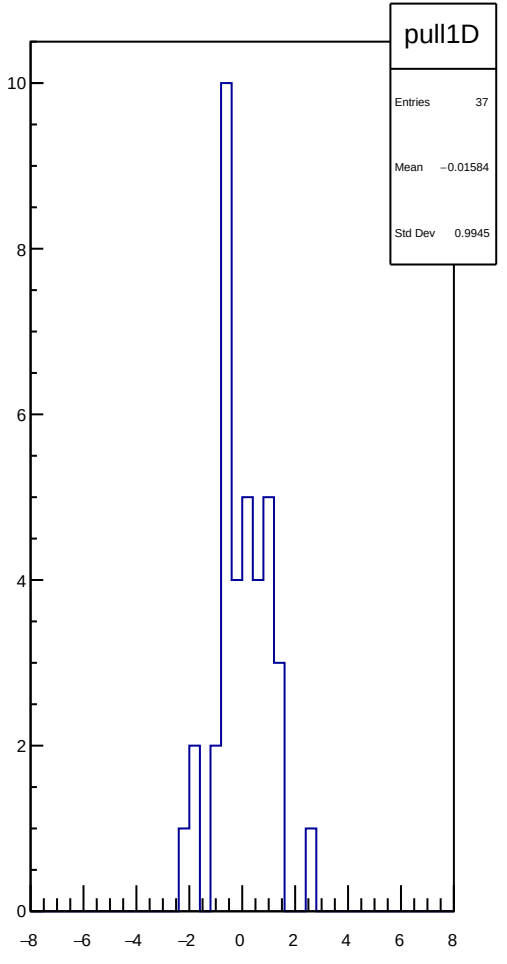

asym_us_dd_at2lr_dd_dd_cor_correction_rms vs run
χ² / ndf 1418 / 36
p0 1662 ± 1.917
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

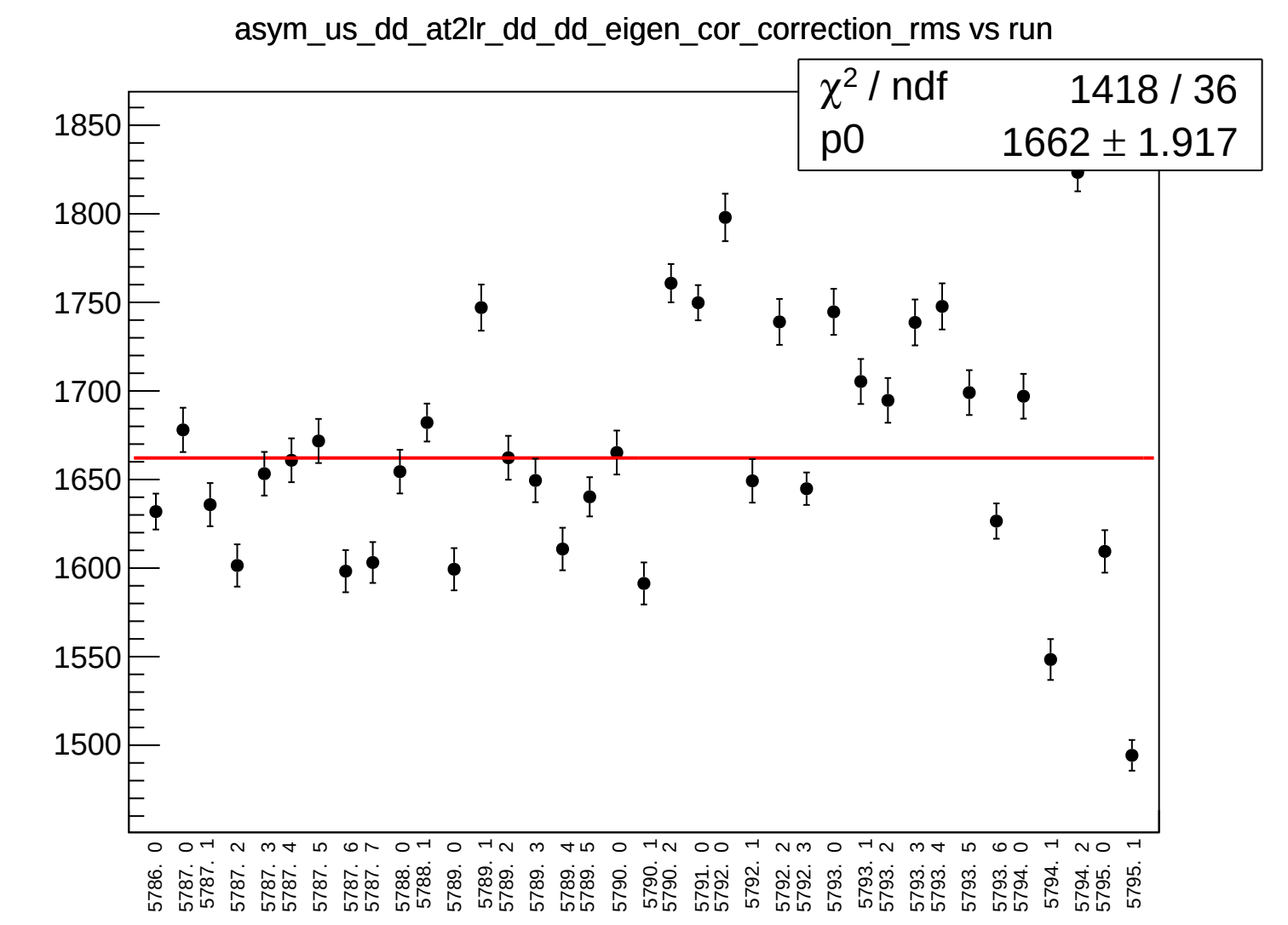

eigen_cor_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 26.5 / 36
p0 3338 ± 2410
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −753.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

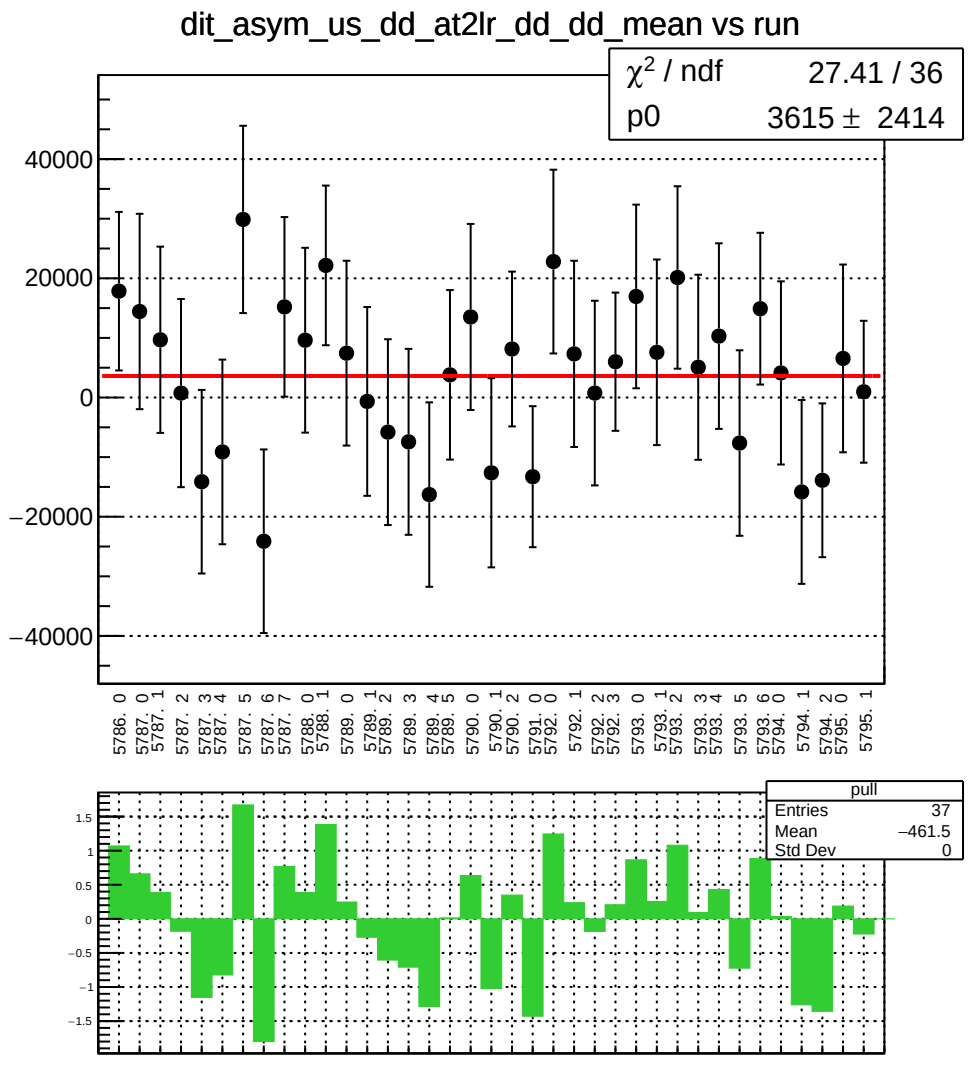

pull1D
Entries 37
Mean 0.0009265
Std Dev 0.8462
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

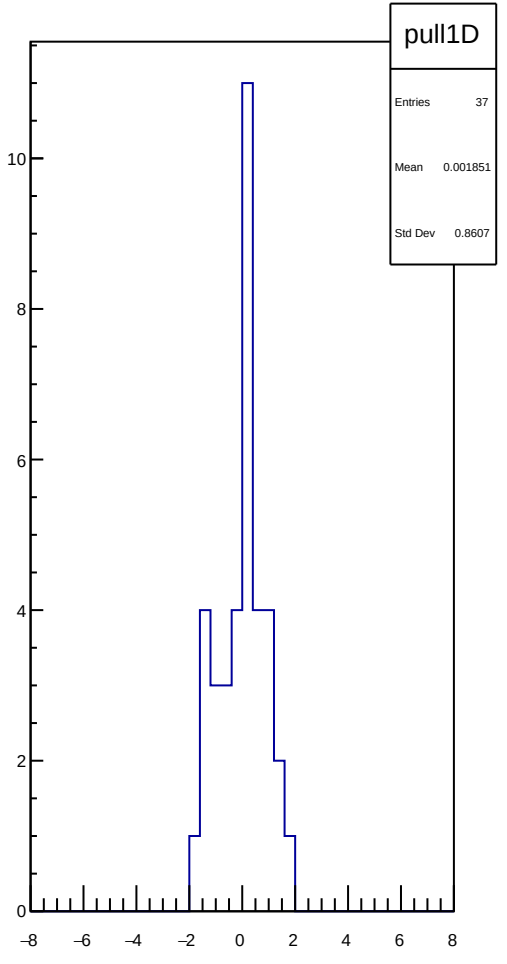

eigen_cor_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 163.2 / 36
p0 1479 ± 1.704
1560
1540
1520
1500
1480
1460
1440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

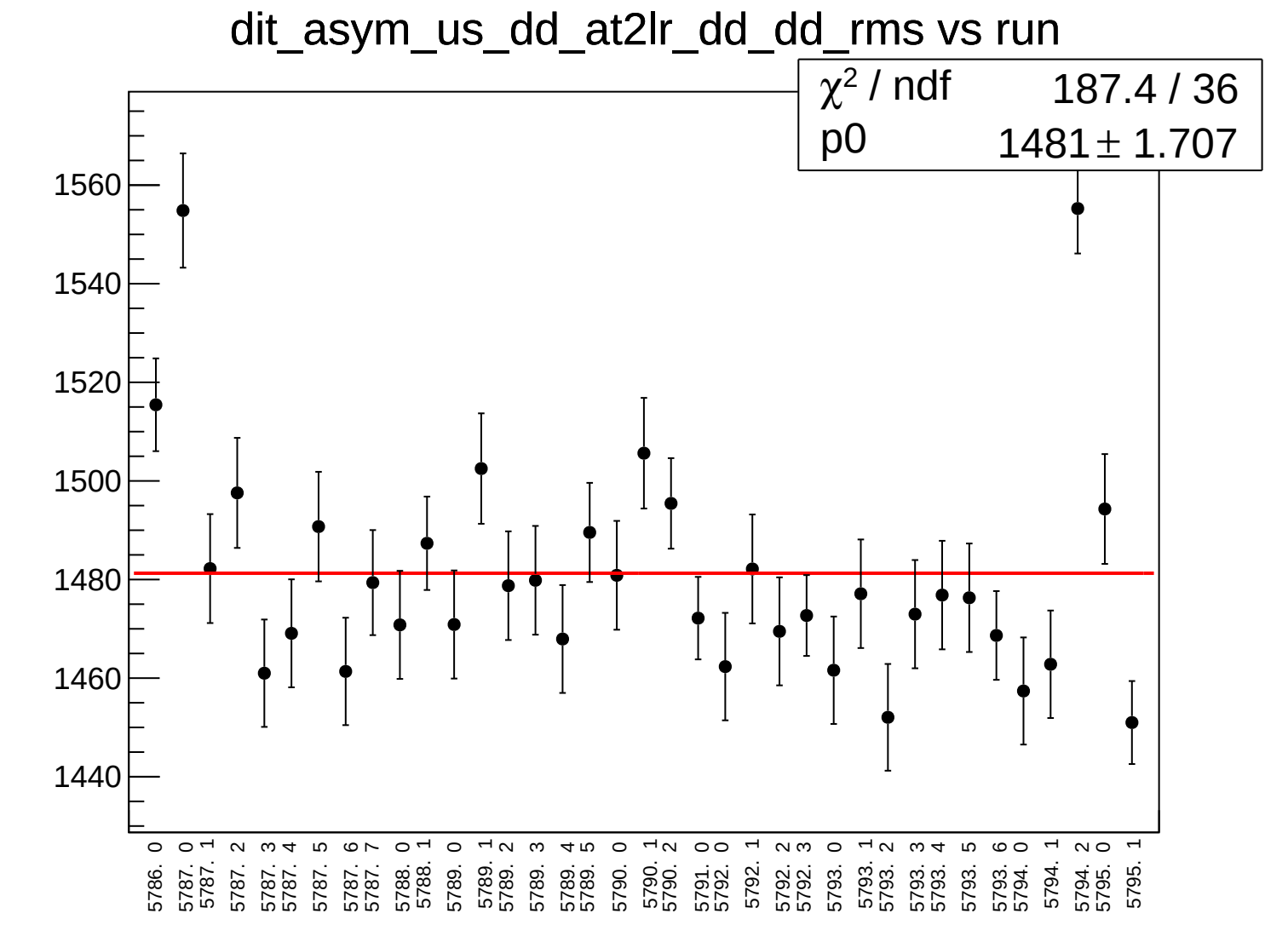

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 36.61 / 36
p0 −4535 ± 2711
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.5
Std Dev 0
2
1
0
−1
−2

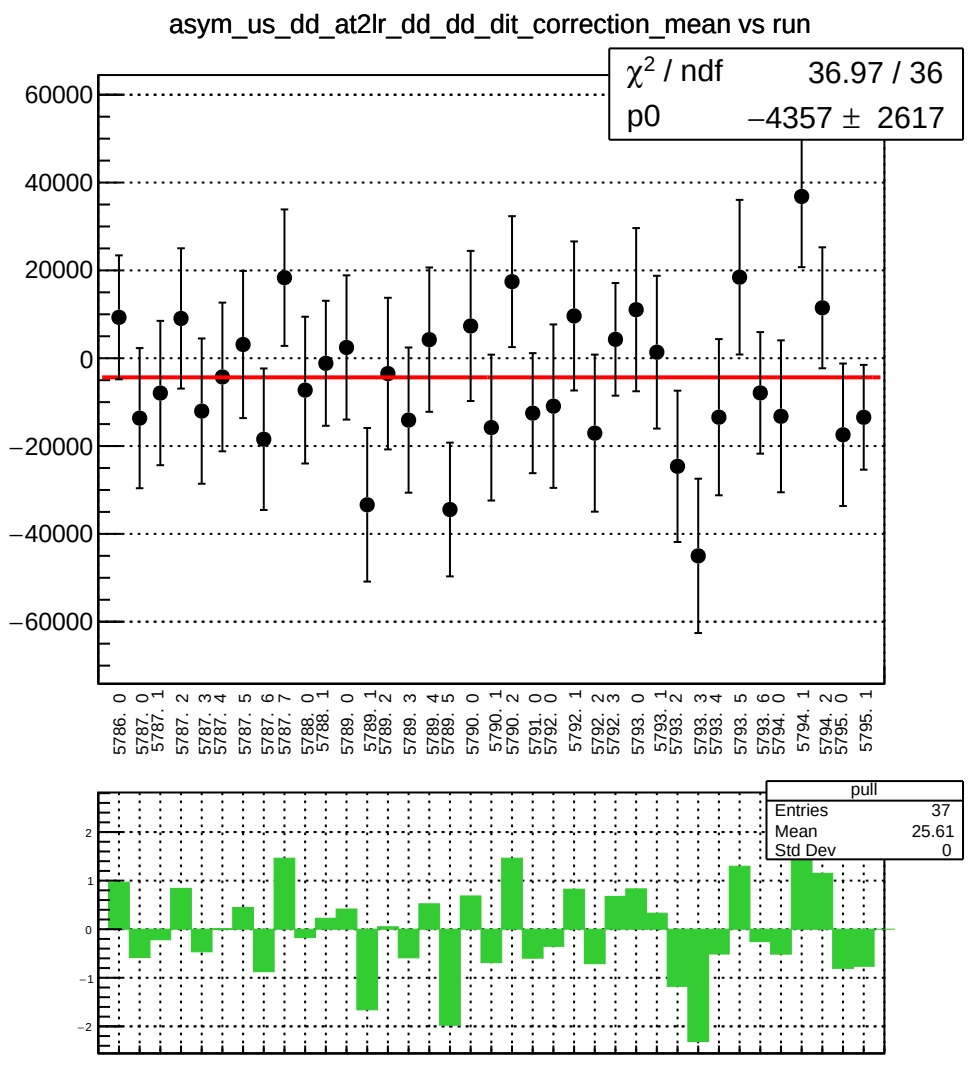

pull1D
Entries 37
Mean −0.01584
Std Dev 0.9945
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

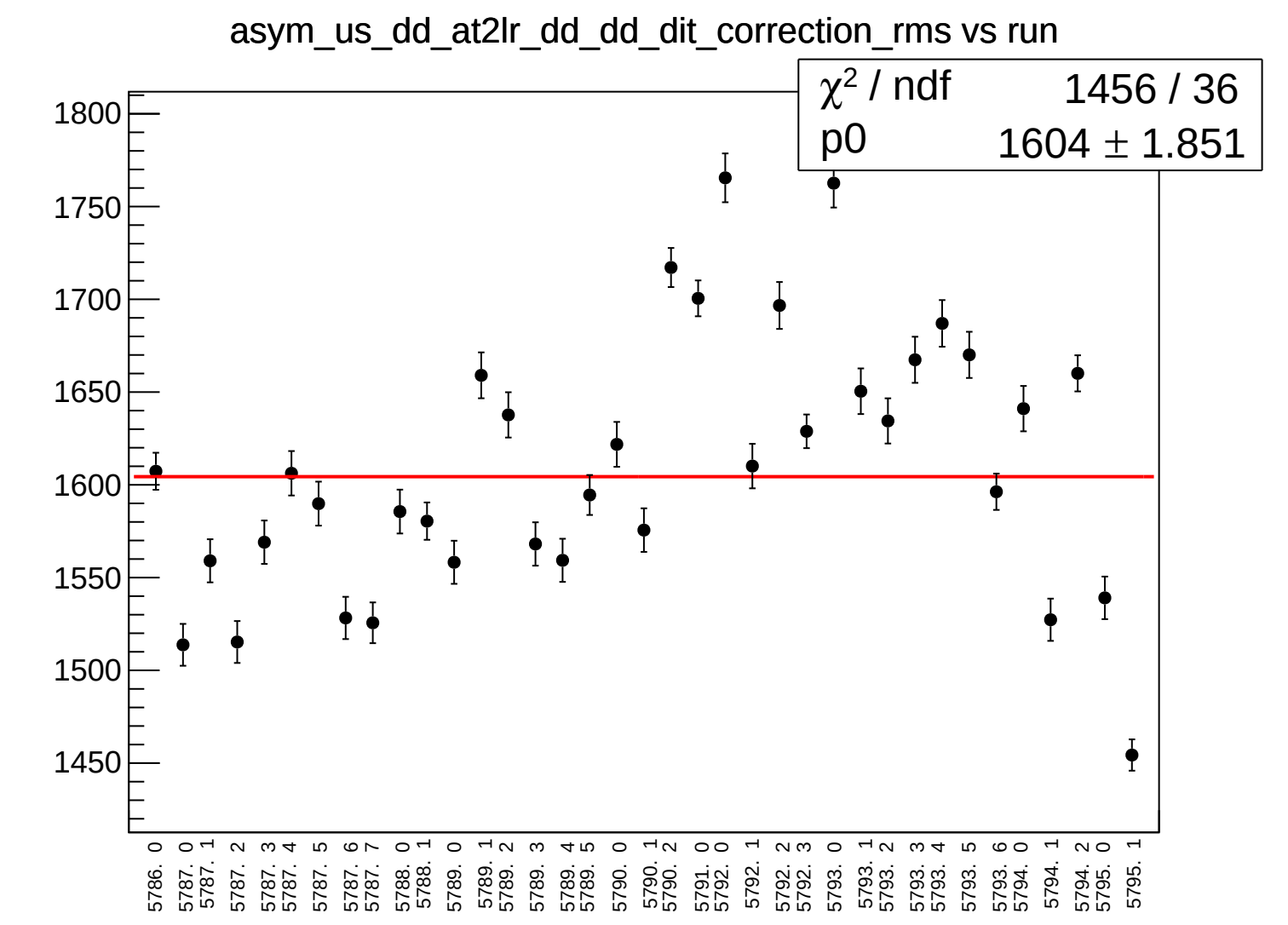

asym_us_dd_at2lr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1418 / 36
p0 1662 ± 1.917
1850
1800
1750
1700
1650
1600
1550
1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

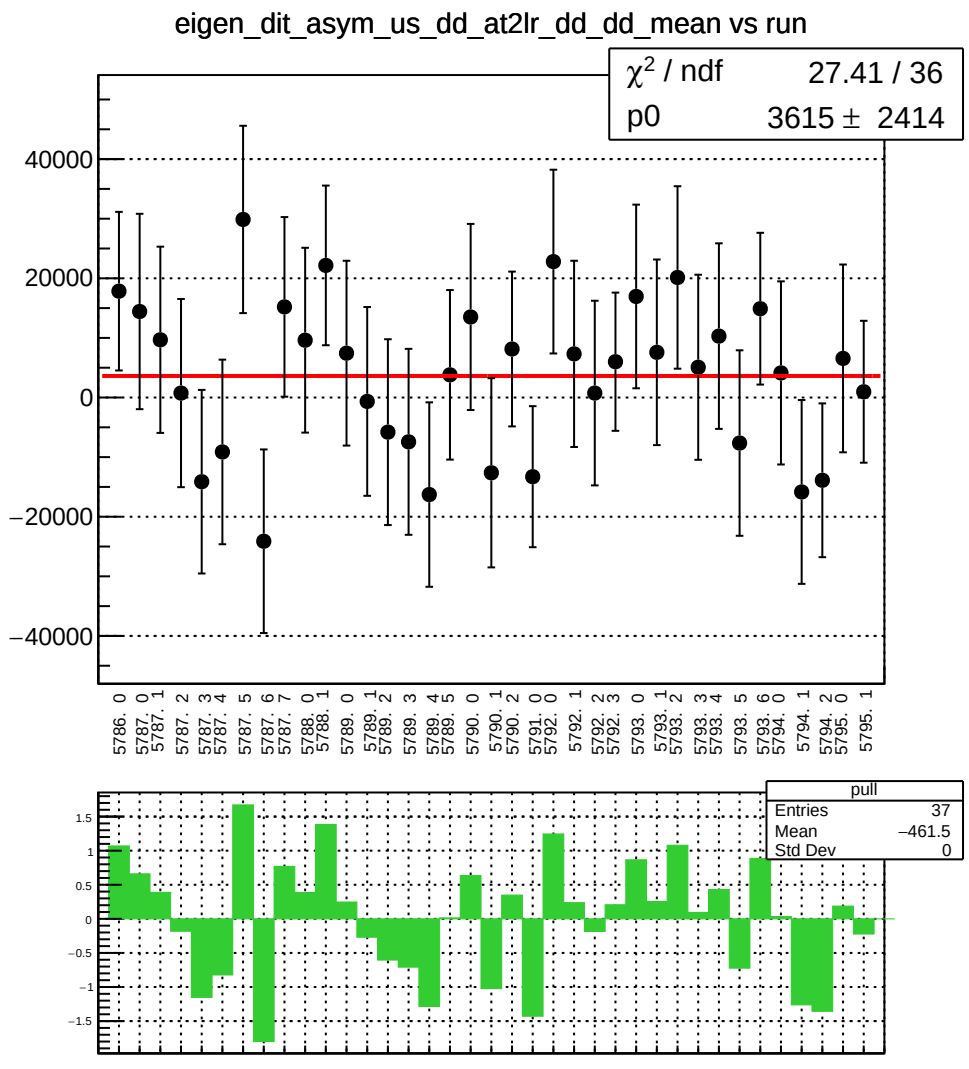

dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 27.41 / 36
p0 3615 ± 2414
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −461.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

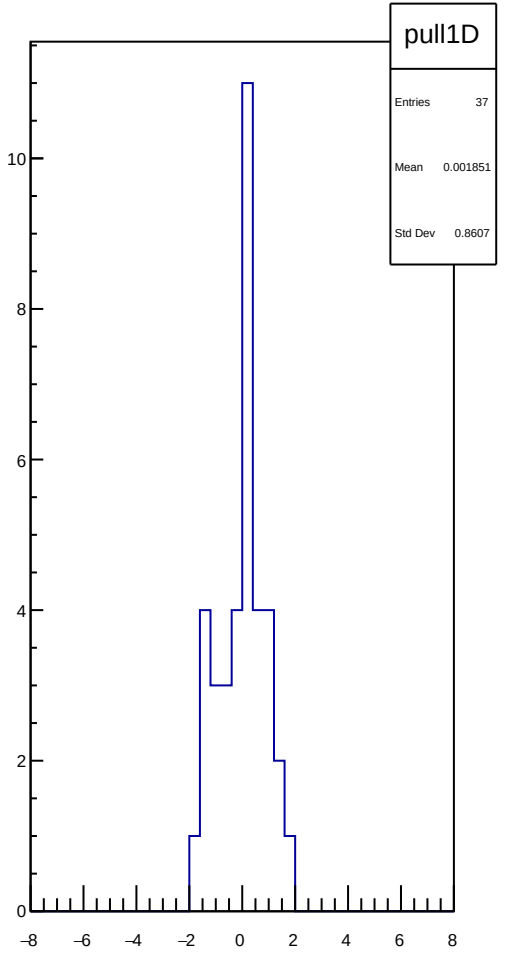

pull1D
Entries 37
Mean 0.001851
Std Dev 0.8607
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

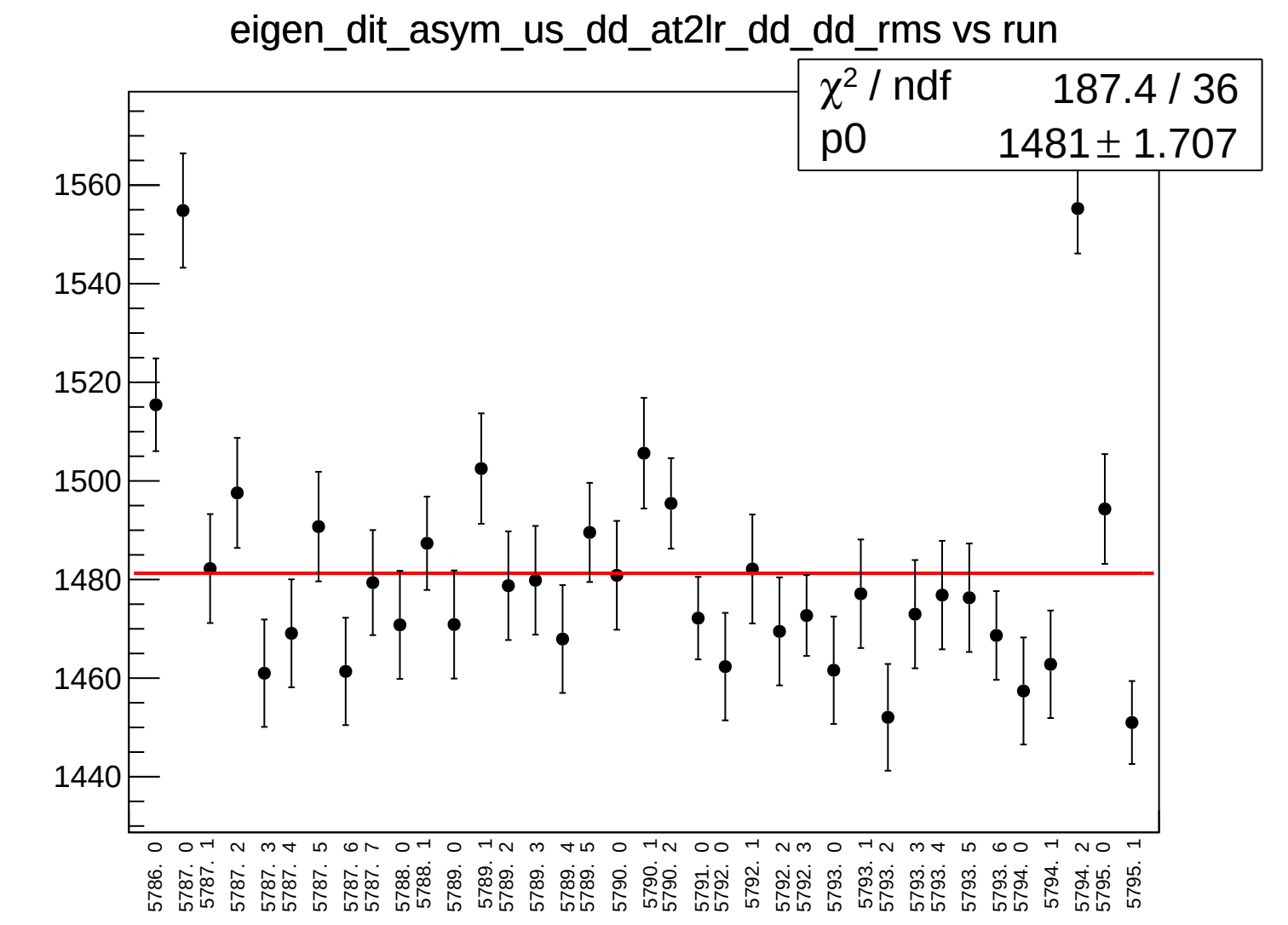

dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 187.4 / 36
p0 1481 ± 1.707
1560
1540
1520
1500
1480
1460
1440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

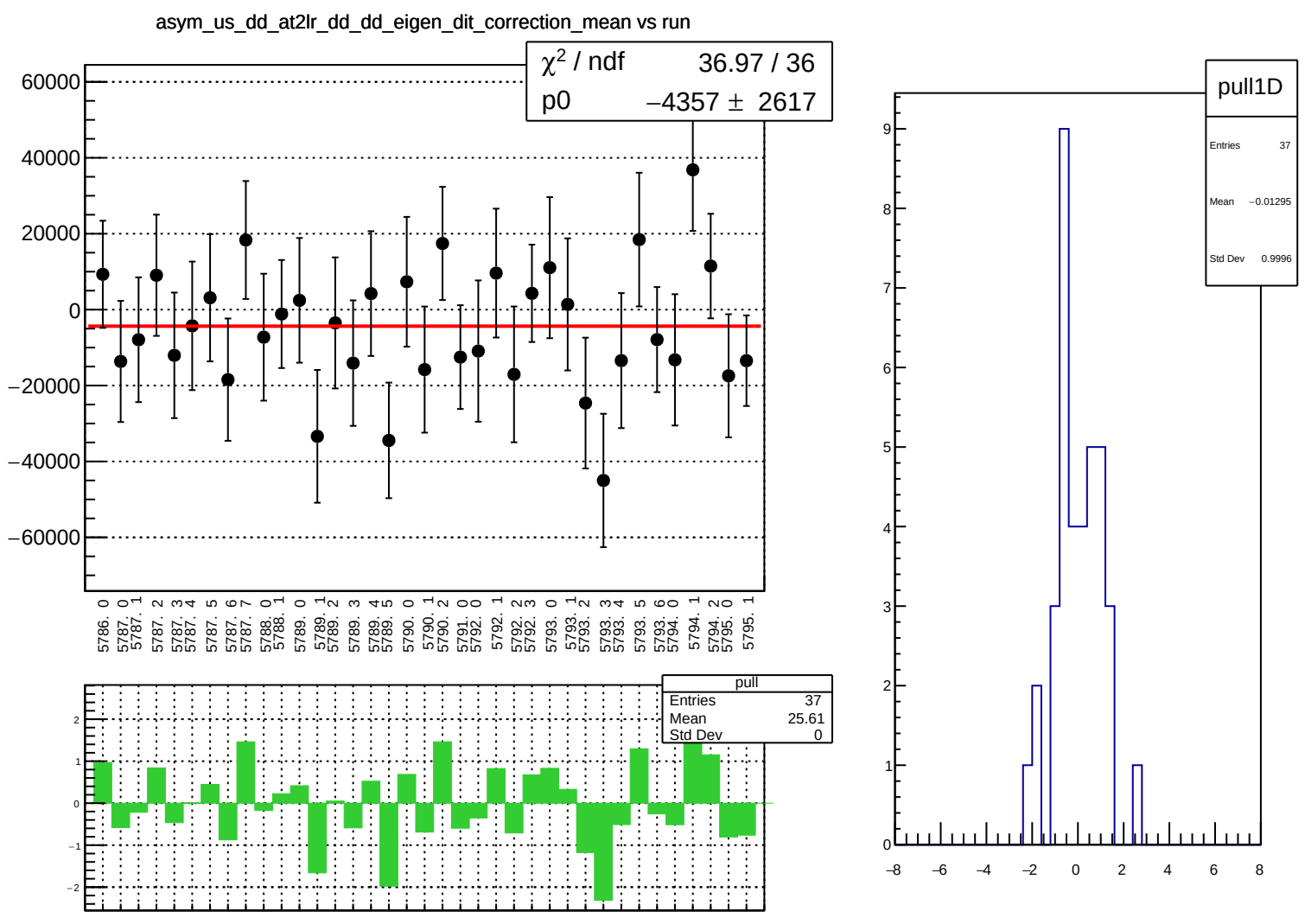

asym_us_dd_at2lr_dd_dd_dit_correction_mean vs run
χ² / ndf 36.97 / 36
p0 −4357 ± 2617
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.61
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01295
Std Dev 0.9996
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

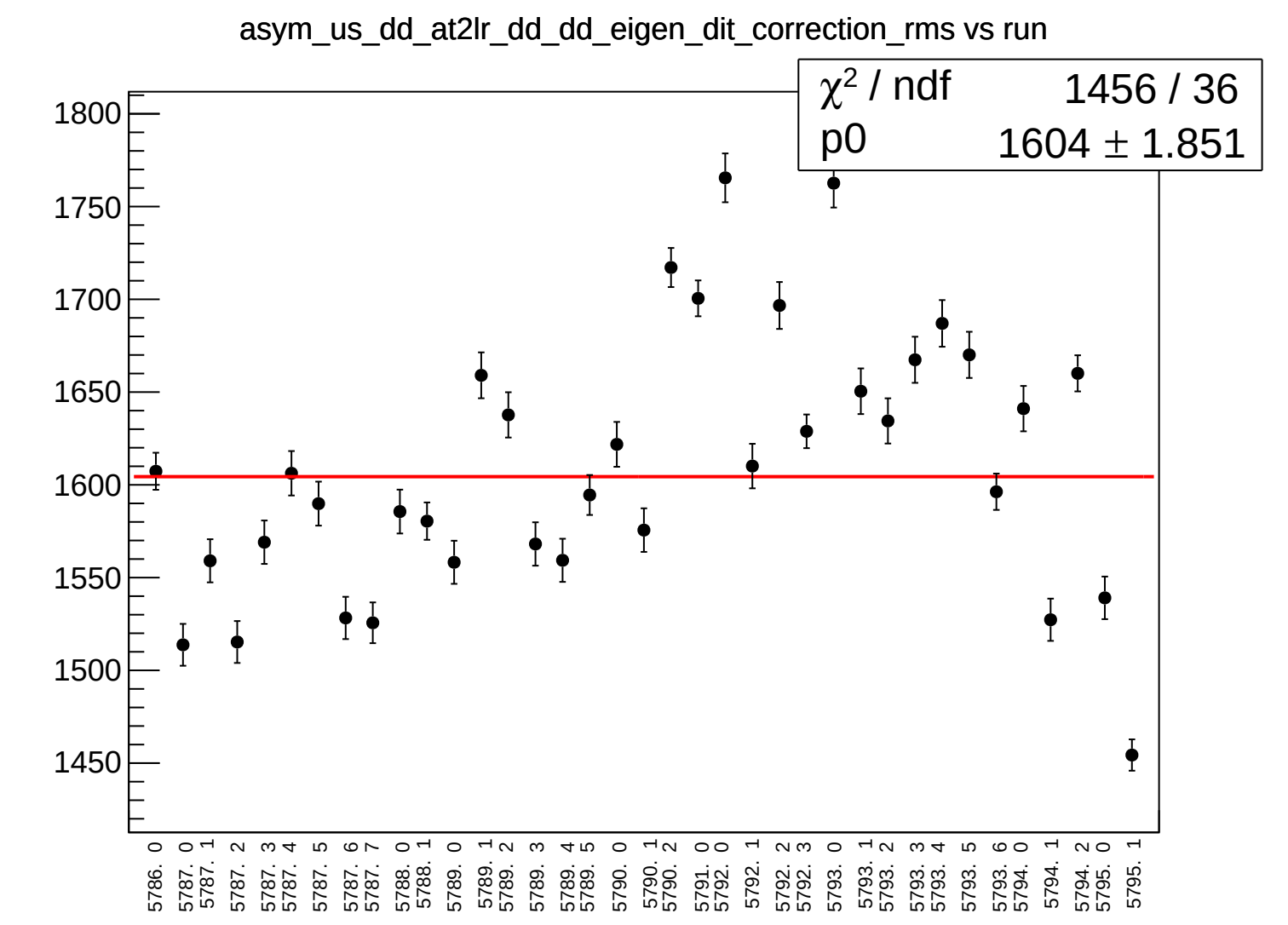

asym_us_dd_at2lr_dd_dd_dit_correction_rms vs run
χ² / ndf 1456 / 36
p0 1604 ± 1.851
1800
1750
1700
1650
1600
1550
1500
1450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

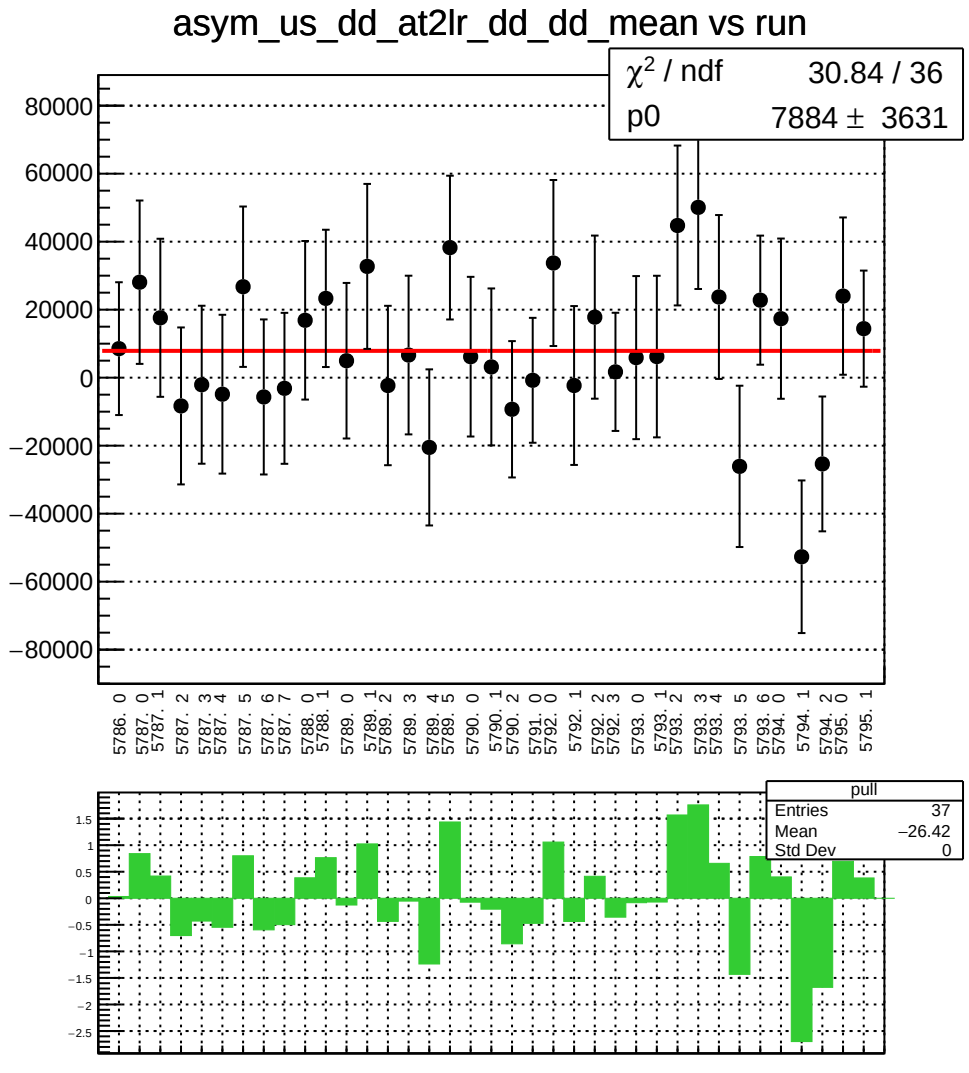

eigen_dit_asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 27.41 / 36
p0 3615 ± 2414
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −461.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

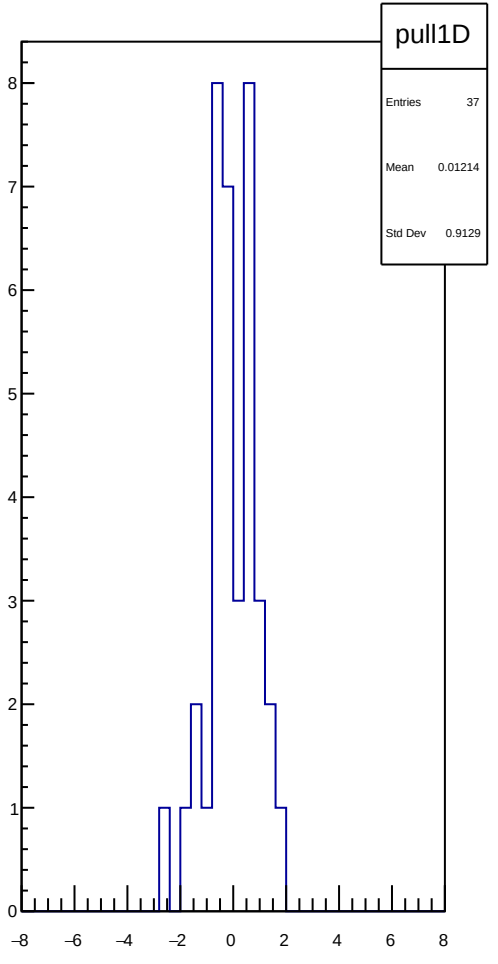

pull1D
Entries 37
Mean 0.001851
Std Dev 0.8607
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

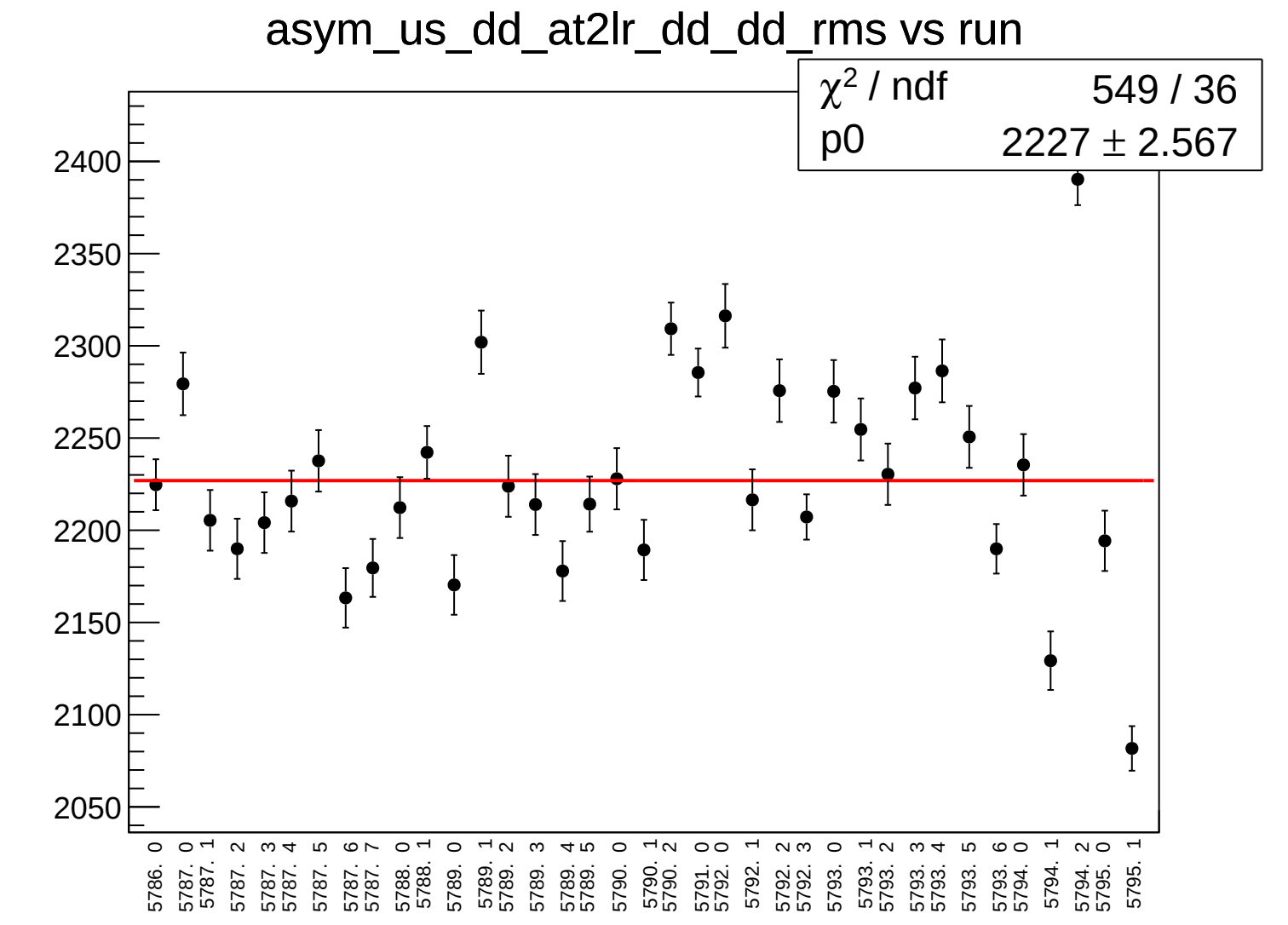

eigen_dit_asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 187.4 / 36
p0 1481 ± 1.707
1560
1540
1520
1500
1480
1460
1440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

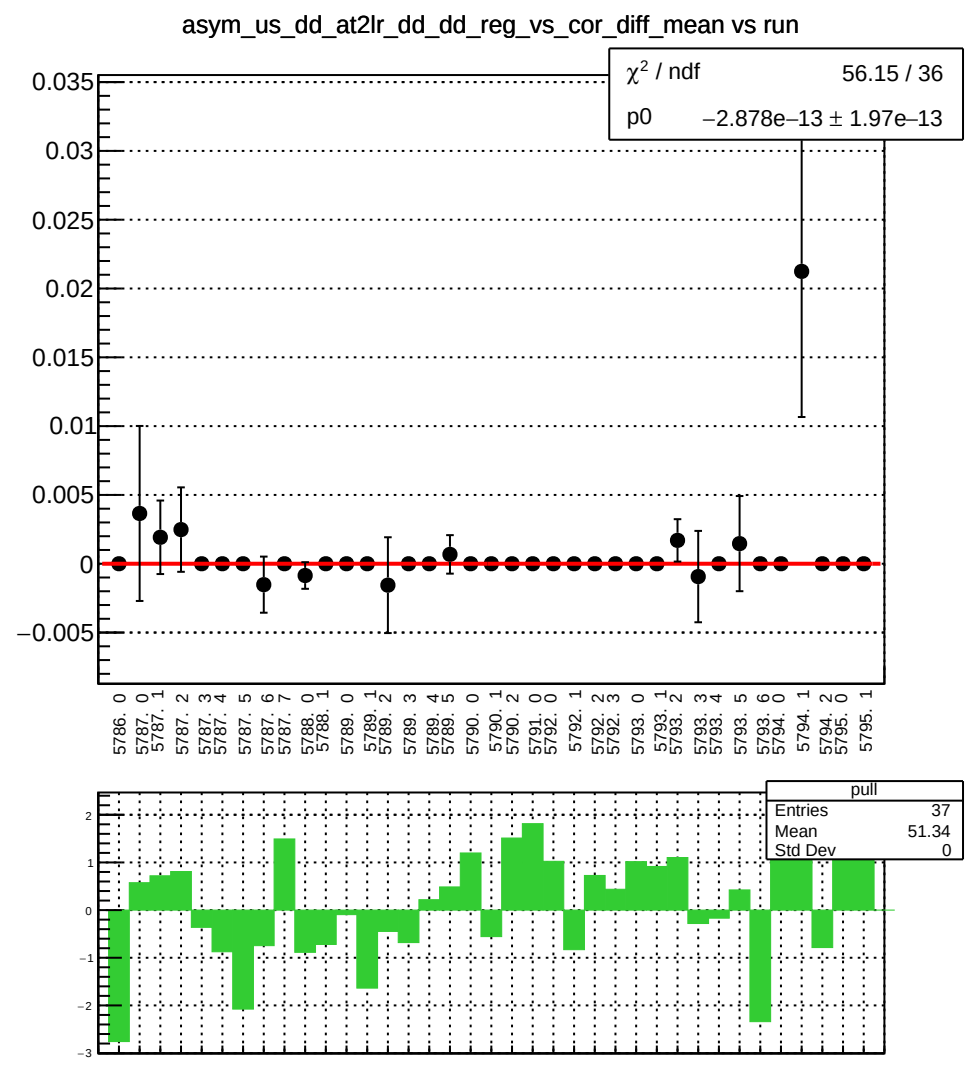

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 36.97 / 36
p0 −4357 ± 2617
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.61
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01295
Std Dev 0.9996
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

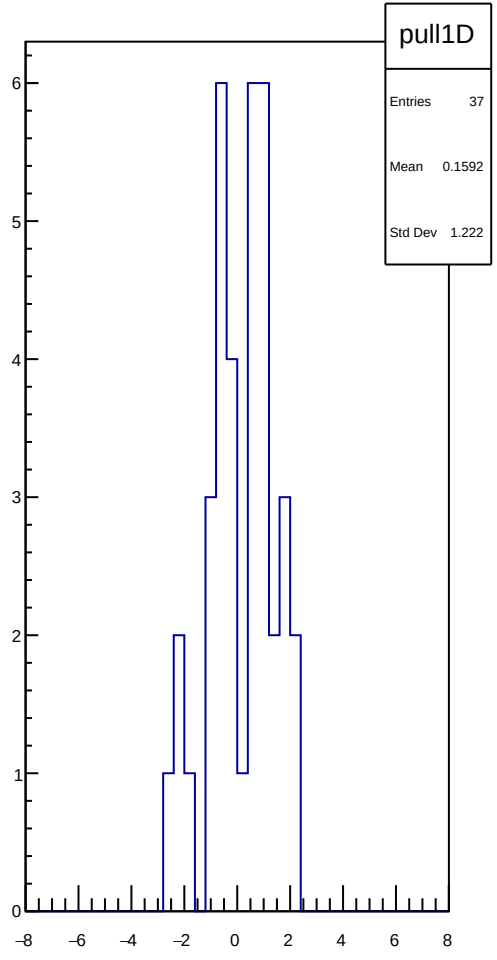

asym_us_dd_at2lr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1456 / 36
p0 1604 ± 1.851
1800
1750
1700
1650
1600
1550
1500
1450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

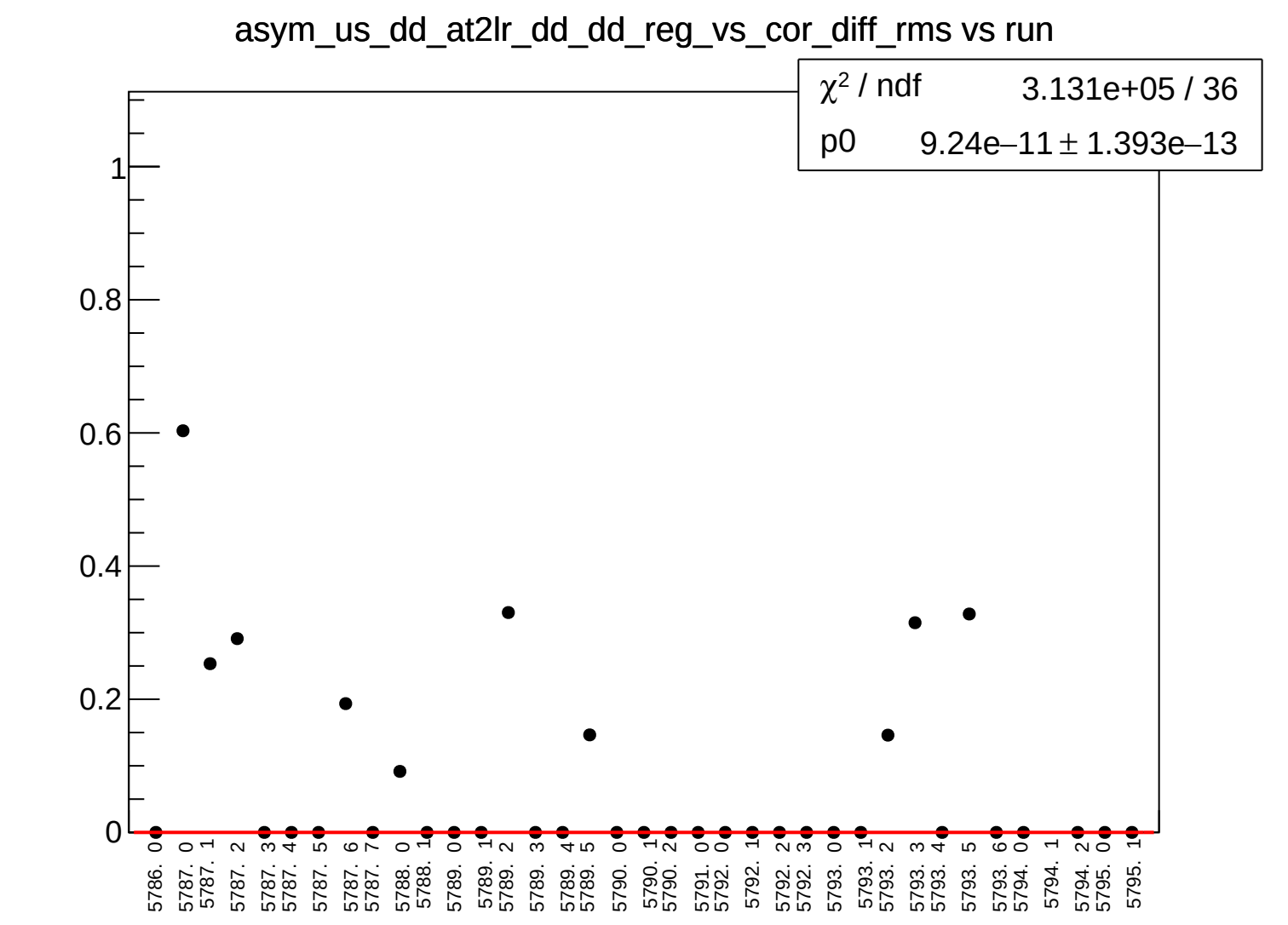

asym_us_dd_at2lr_dd_dd_mean vs run
χ² / ndf 30.84 / 36
p0 7884 ± 3631
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.42
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

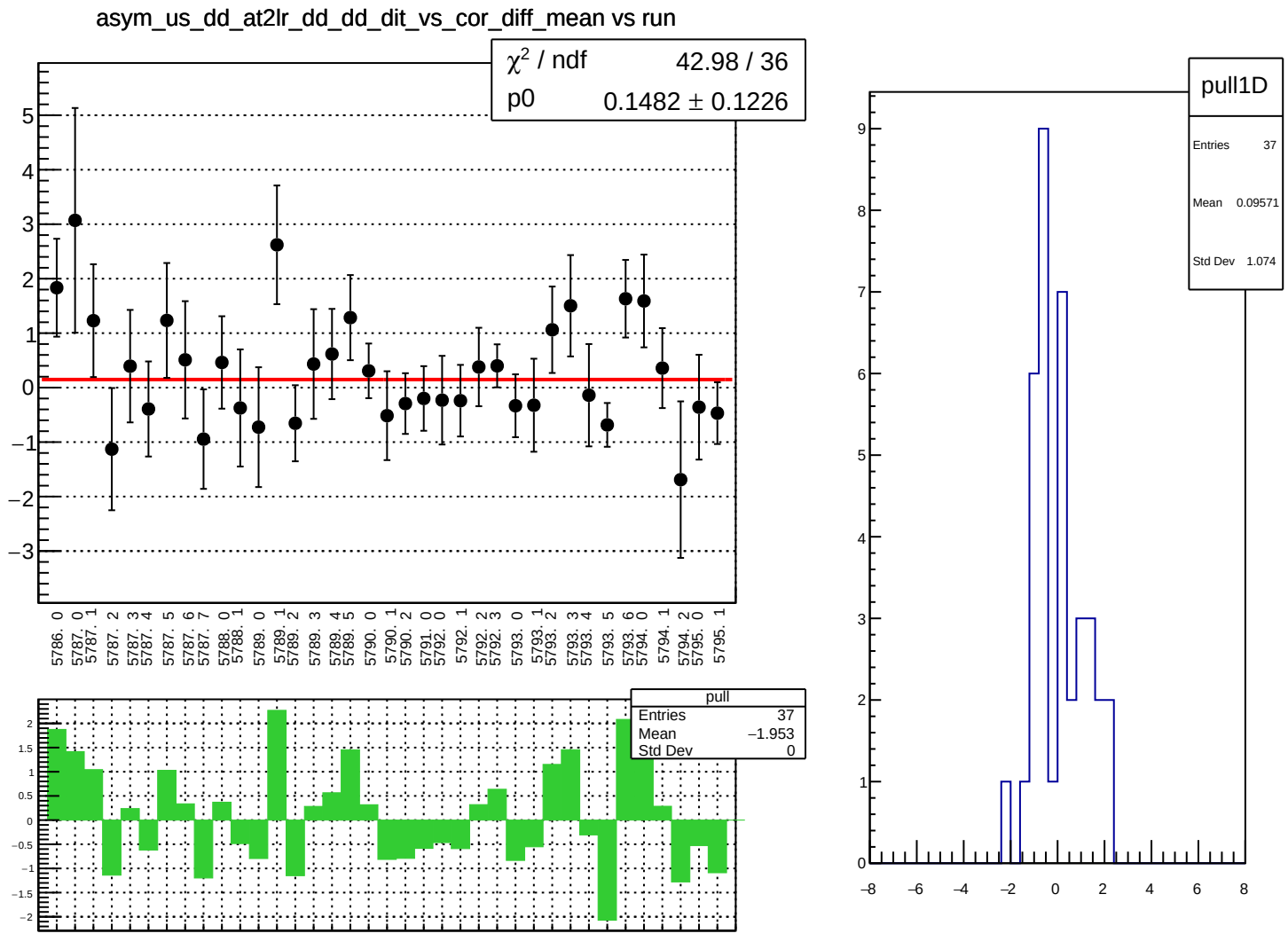

pull1D
Entries 37
Mean 0.01214
Std Dev 0.9129
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

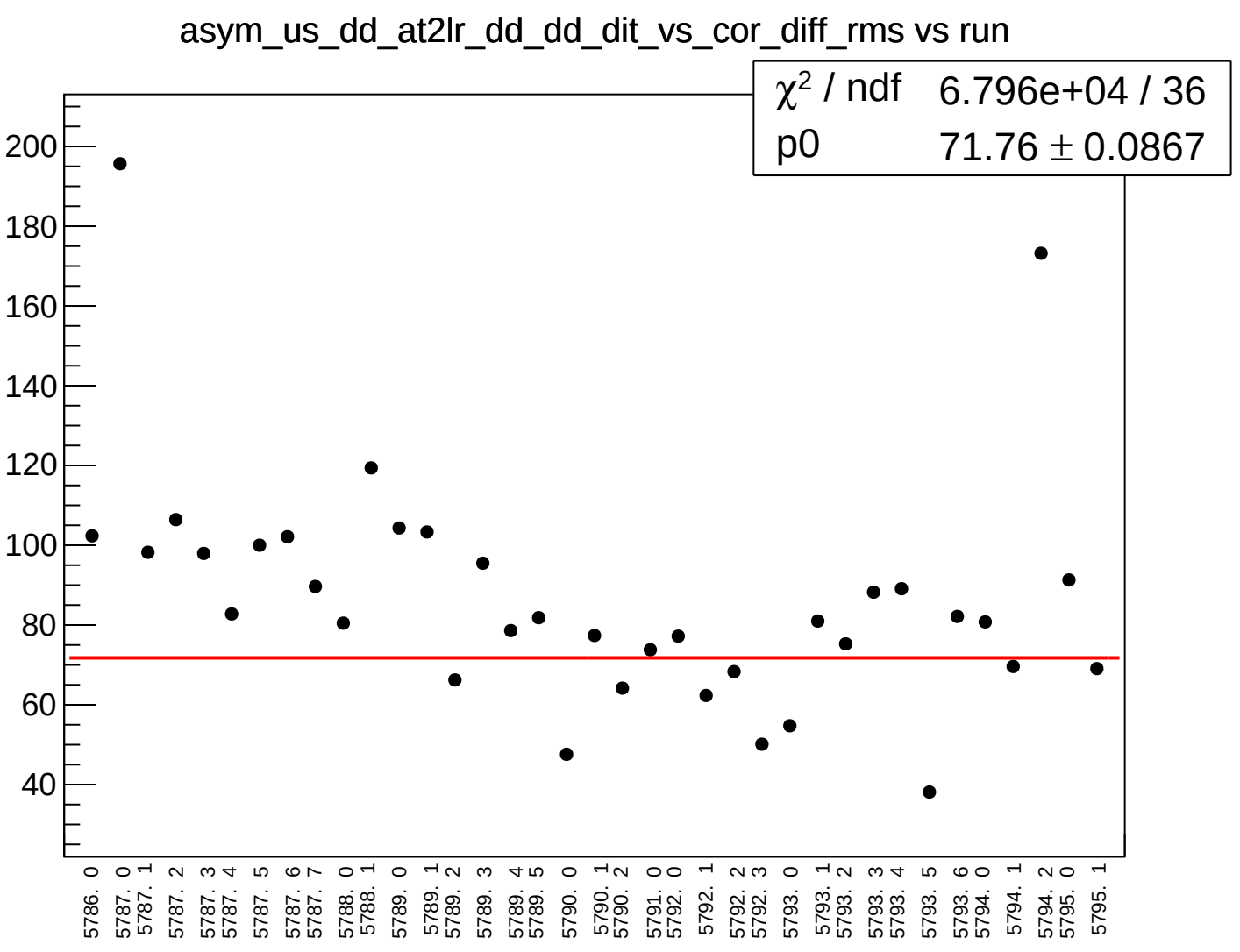

asym_us_dd_at2lr_dd_dd_rms vs run
χ² / ndf 549 / 36
p0 2227 ± 2.567
2400
2350
2300
2250
2200
2150
2100
2050
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

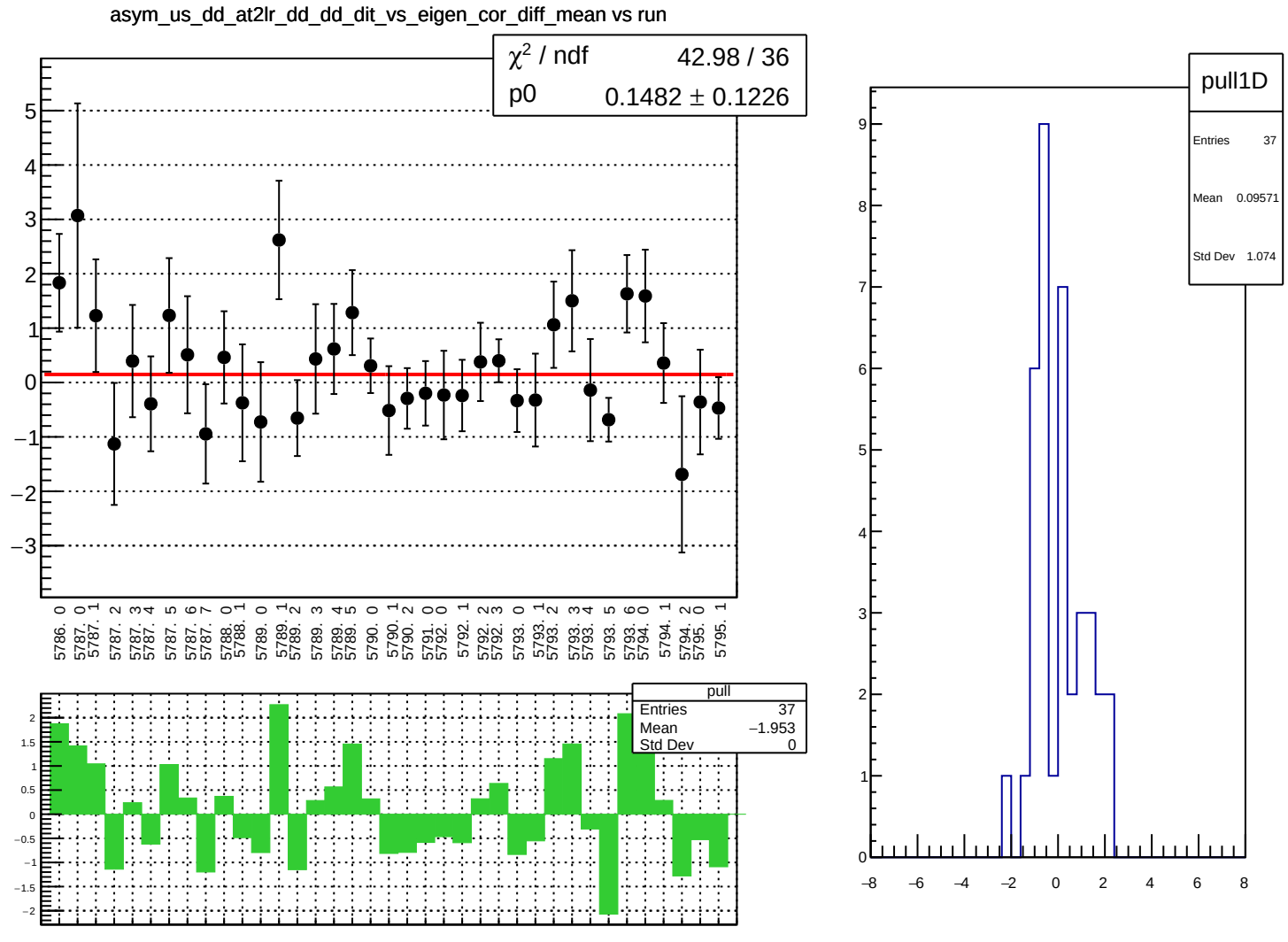

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 56.15 / 36
p0 −2.878e−13 ± 1.97e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
−0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 51.34
Std Dev 0
2
1
0
−1
−2
−3

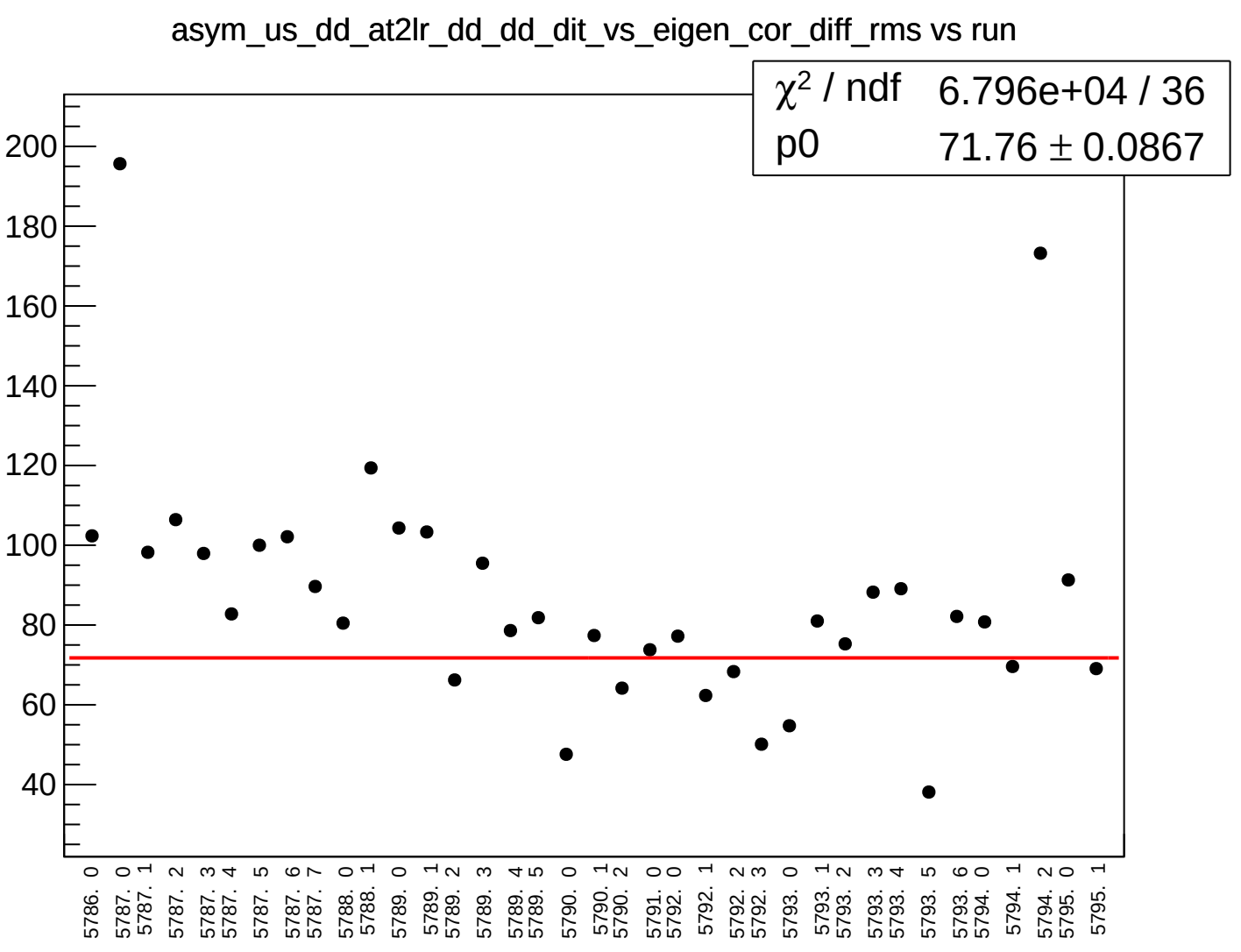

pull1D
Entries 37
Mean 0.1592
Std Dev 1.222
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

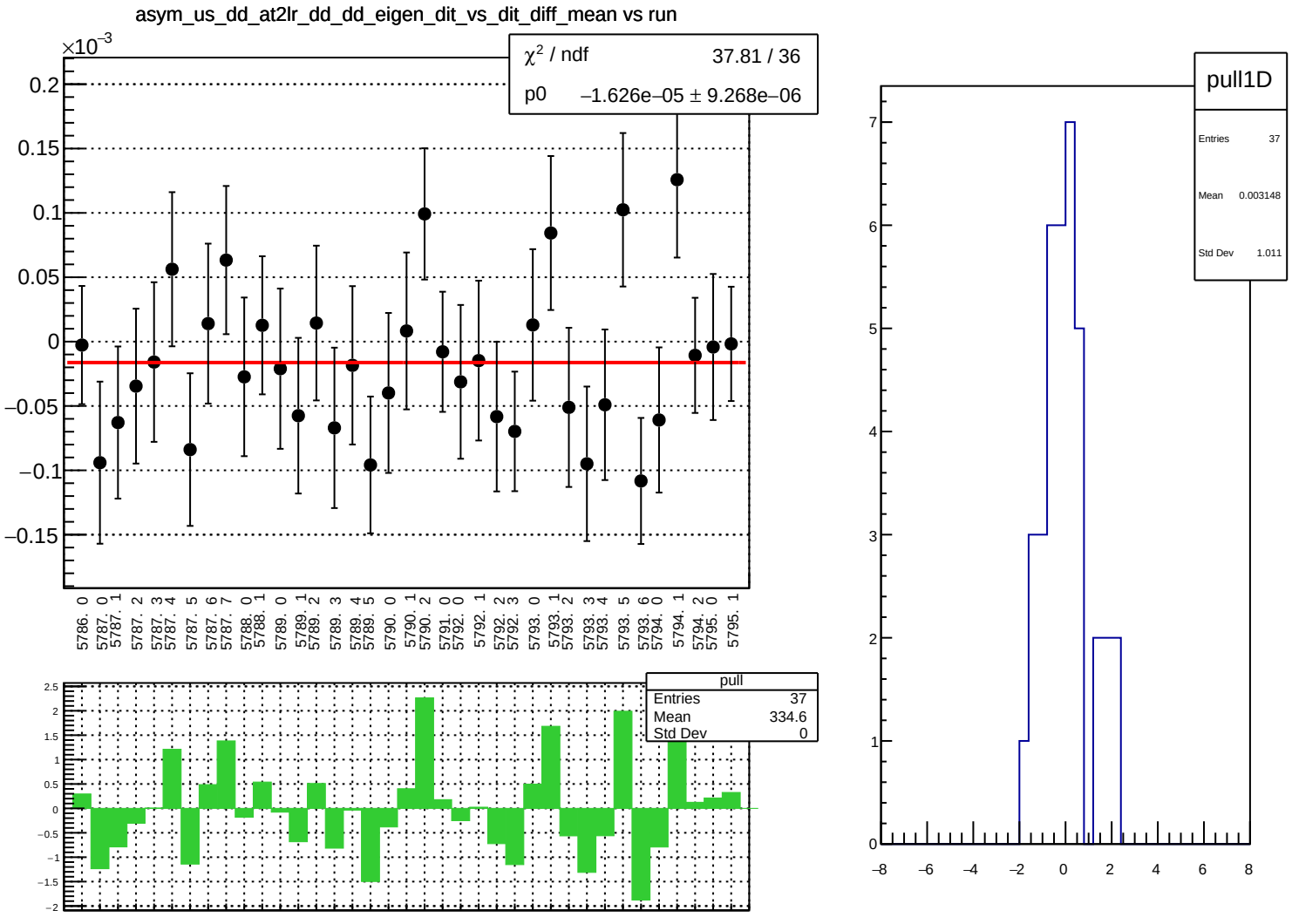

asym_us_dd_at2lr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.131e+05 / 36
p0 9.24e−11 ± 1.393e−13
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

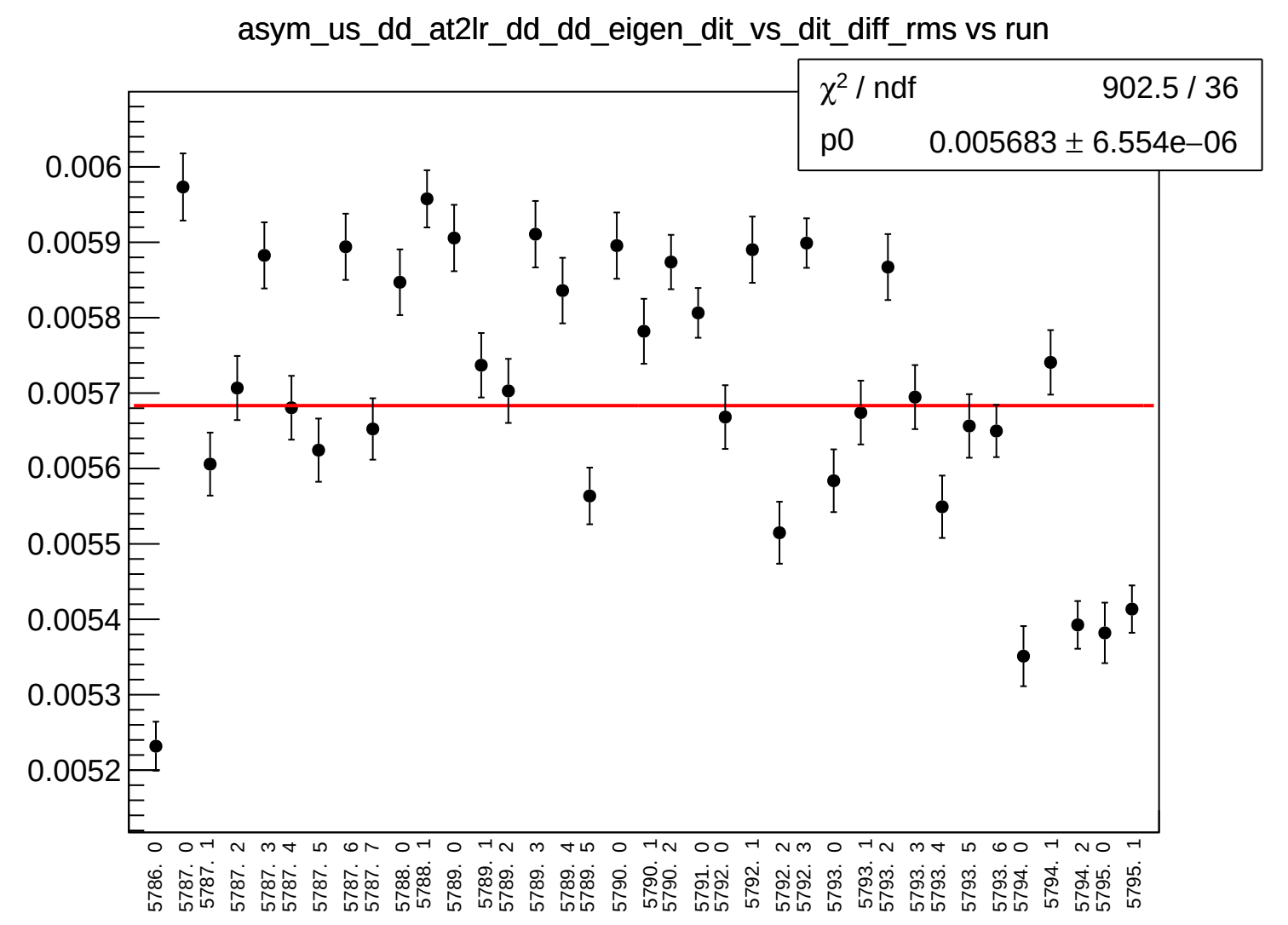

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.98 / 36
p0 0.1482 ± 0.1226
pull
Entries 37
Mean −1.953
Std Dev 0
pull1D
Entries 37
Mean 0.09571
Std Dev 1.074

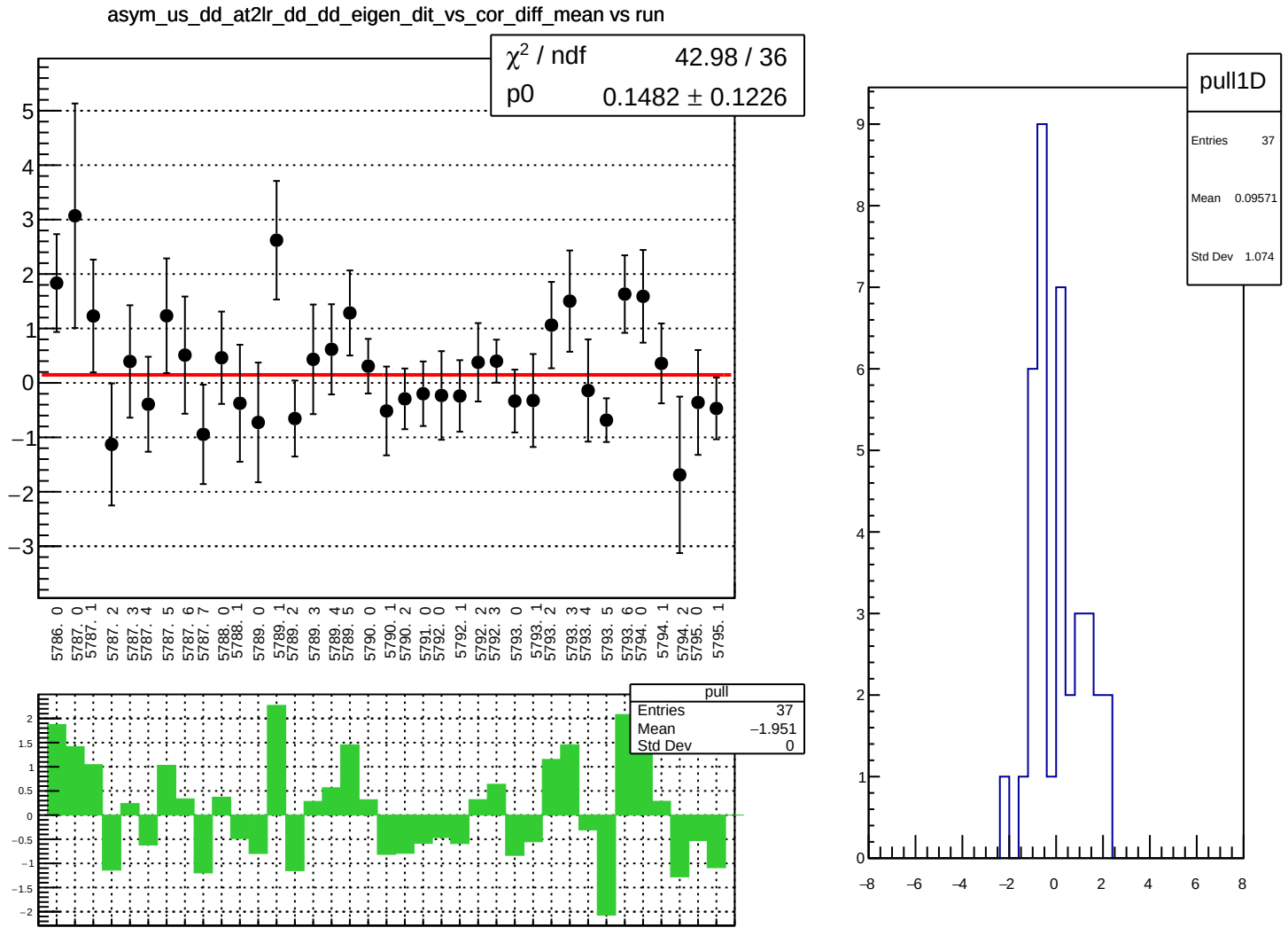

asym_us_dd_at2lr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 6.796e+04 / 36
p0 71.76 ± 0.0867
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

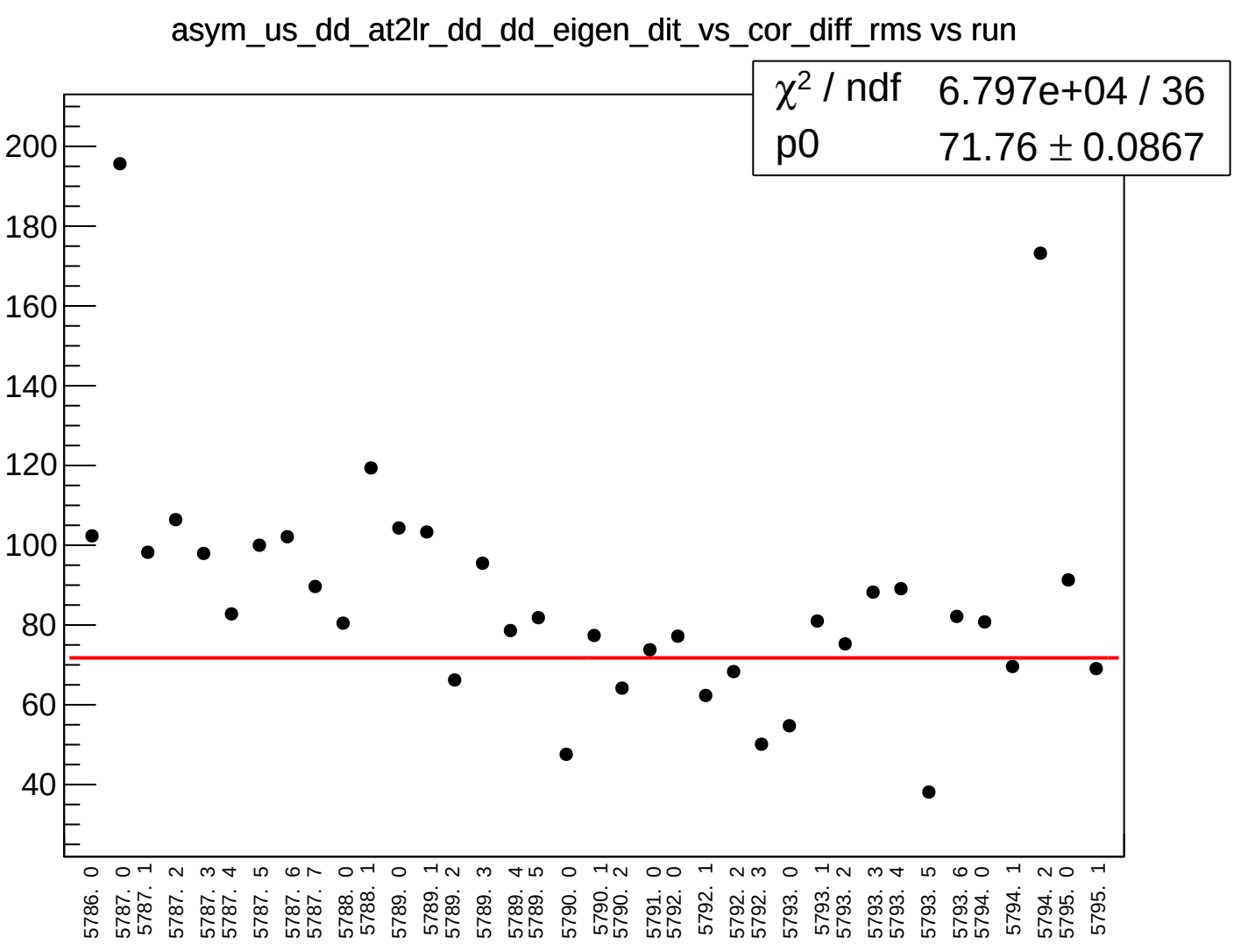

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.98 / 36
p0 0.1482 ± 0.1226
pull
Entries 37
Mean −1.953
Std Dev 0
pull1D
Entries 37
Mean 0.09571
Std Dev 1.074

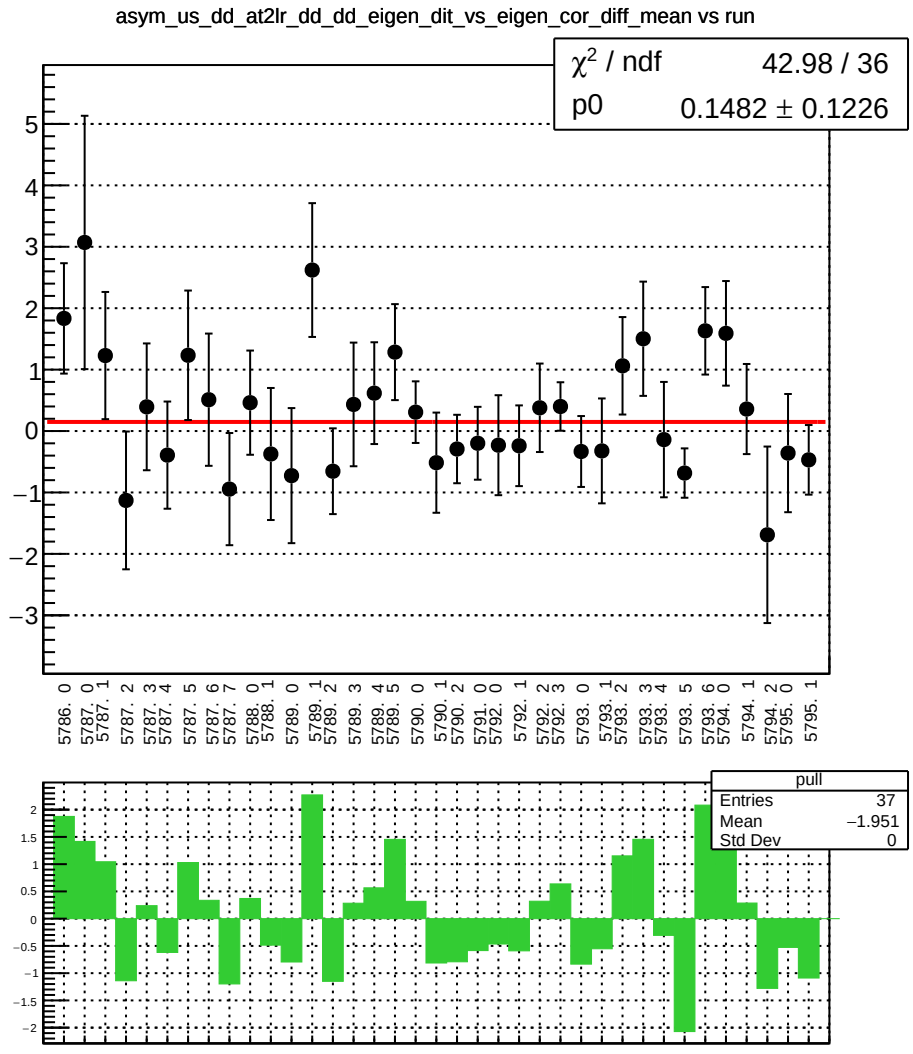

asym_us_dd_at2lr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.796e+04 / 36
p0 71.76 ± 0.0867
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

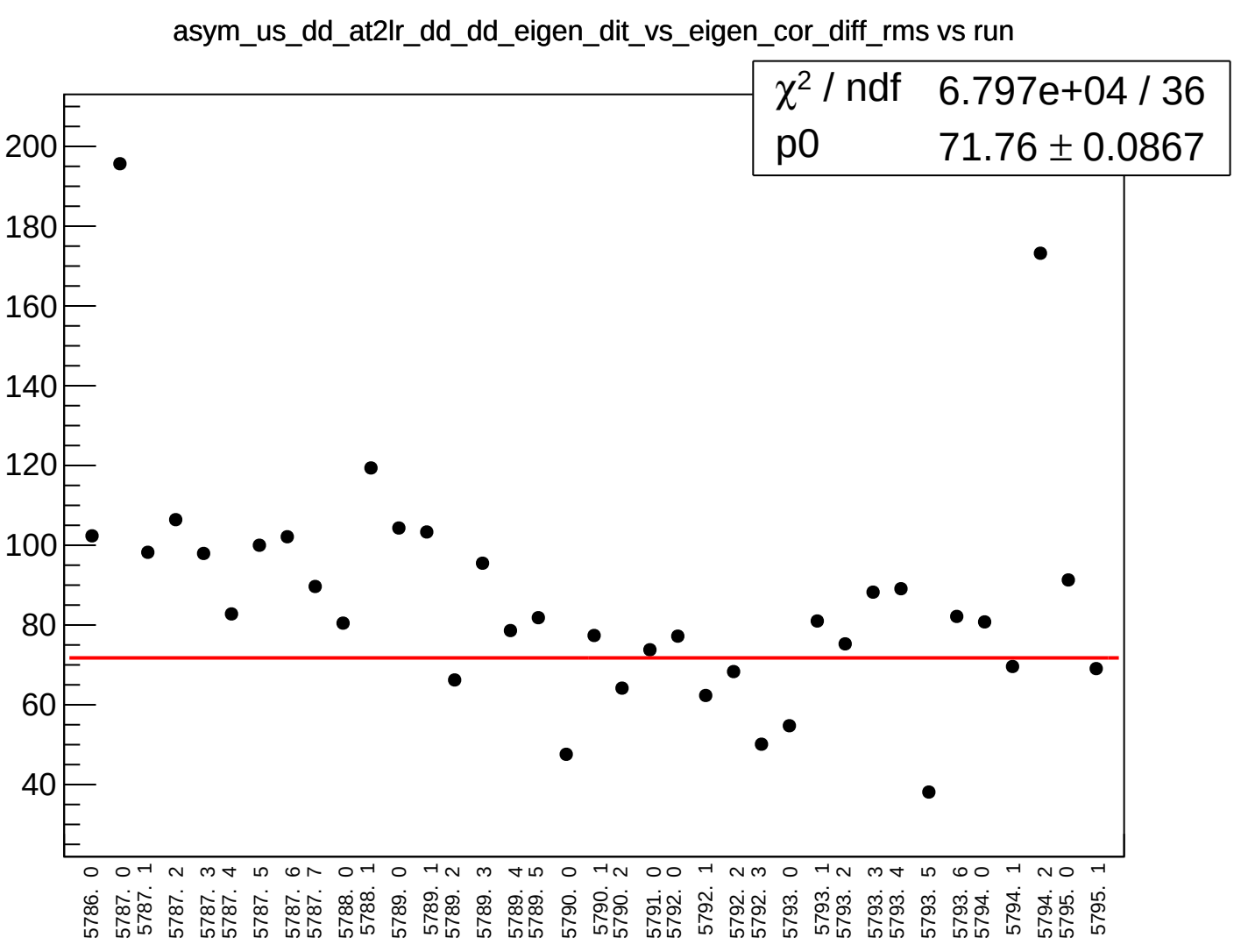

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.81 / 36
p0 −1.626e−05 ± 9.268e−06
0.2
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 334.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003148
Std Dev 1.011
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

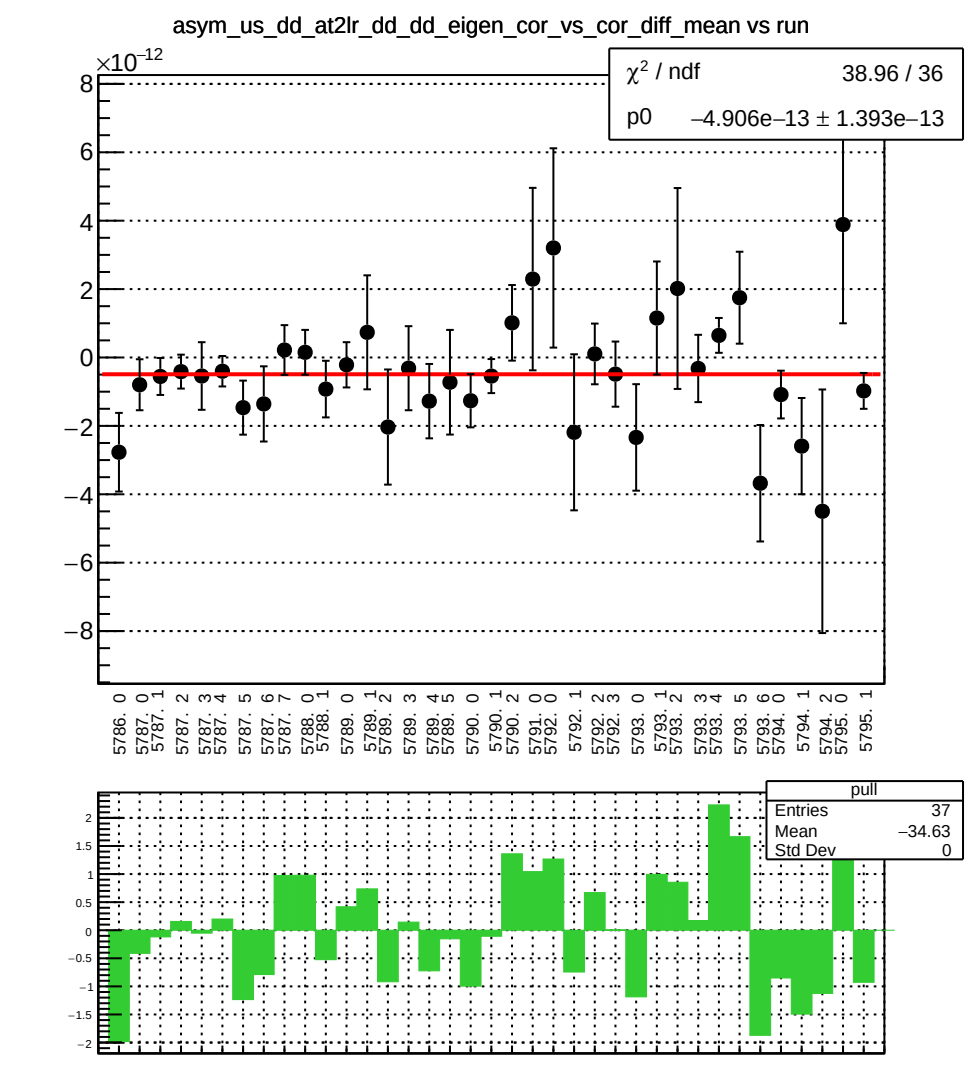

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 902.5 / 36
p0 0.005683 ± 6.554e−06
0.006
0.0059
0.0058
0.0057
0.0056
0.0055
0.0054
0.0053
0.0052
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

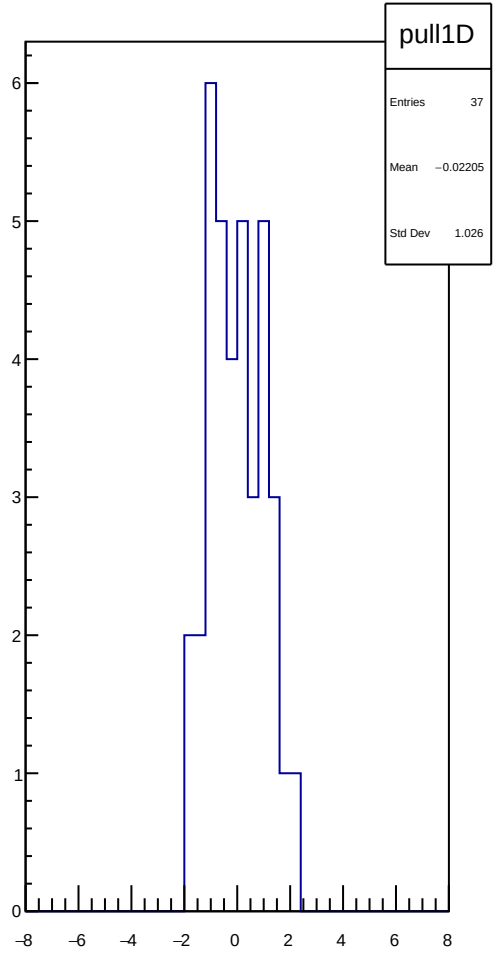

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.98 / 36
p0 0.1482 ± 0.1226
pull
Entries 37
Mean −1.951
Std Dev 0
pull1D
Entries 37
Mean 0.09571
Std Dev 1.074

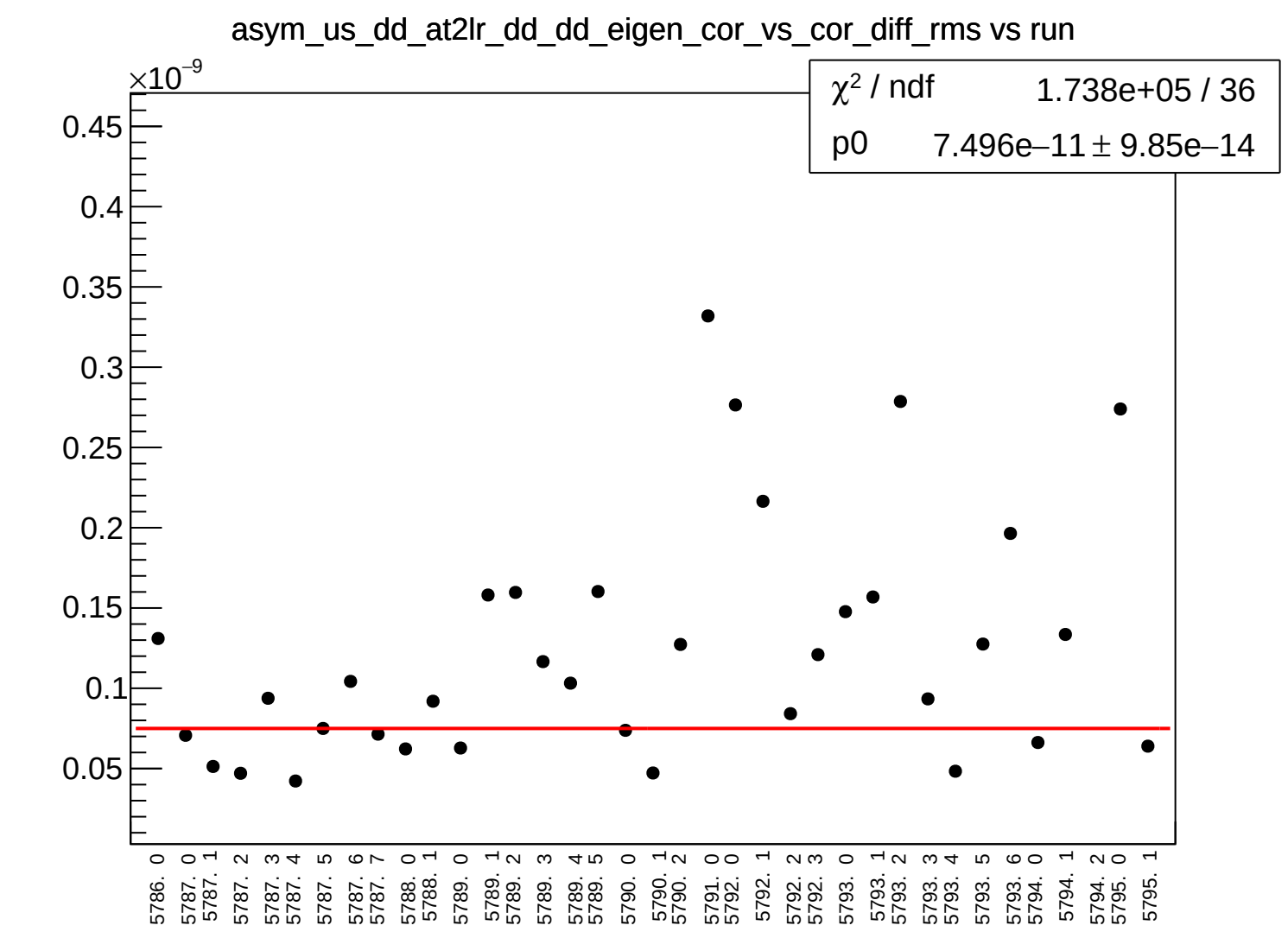

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.797e+04 / 36
p0 71.76 ± 0.0867
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

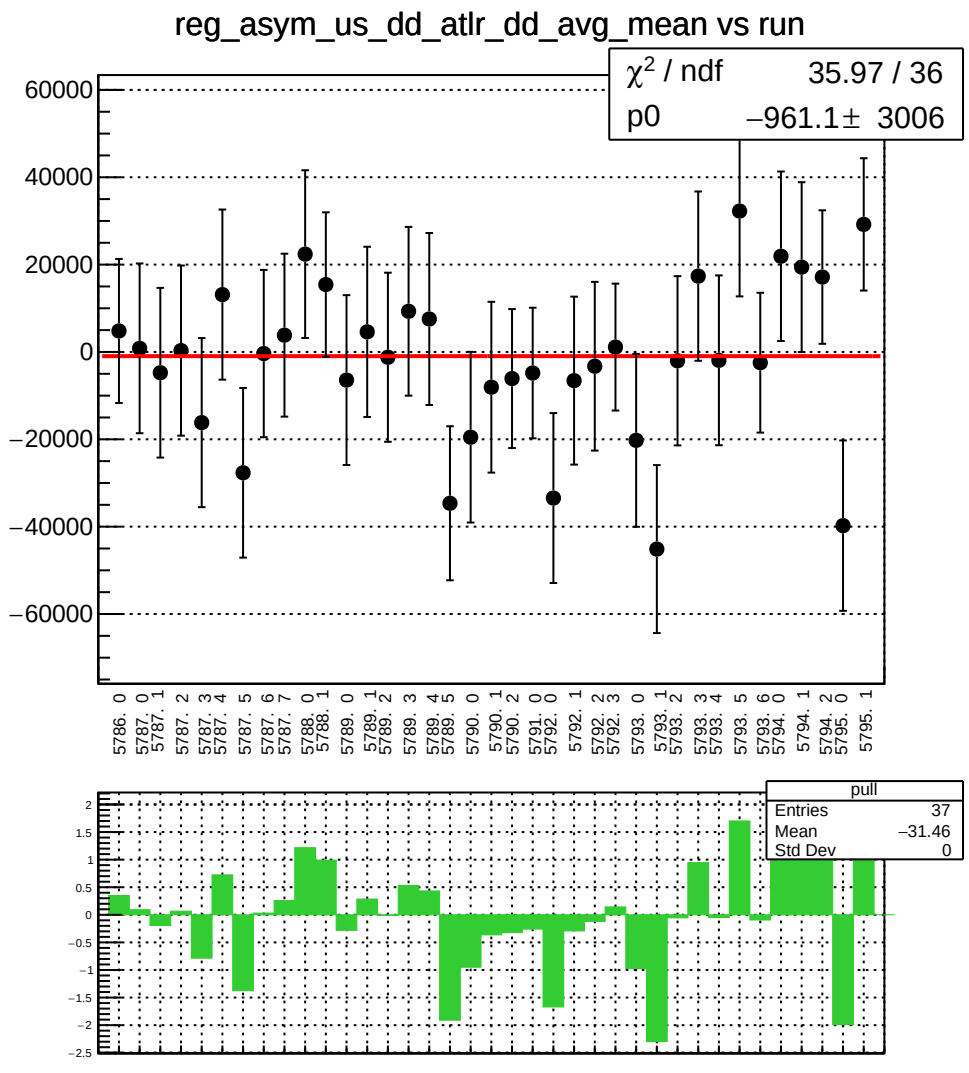

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.98 / 36
p0 0.1482 ± 0.1226
pull
Entries 37
Mean −1.951
Std Dev 0
pull1D
Entries 37
Mean 0.09571
Std Dev 1.074

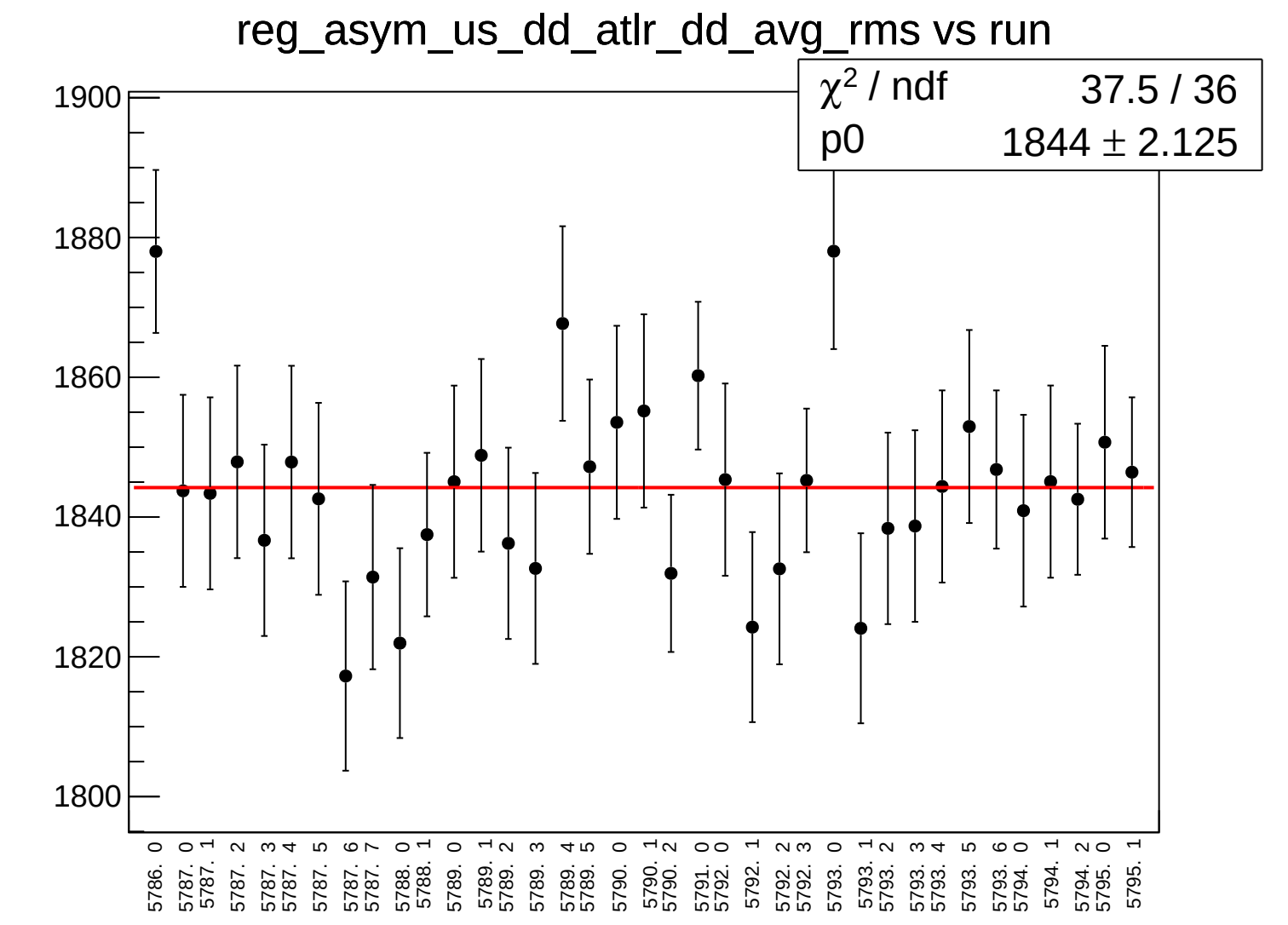

asym_us_dd_at2lr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.797e+04 / 36
p0 71.76 ± 0.0867
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

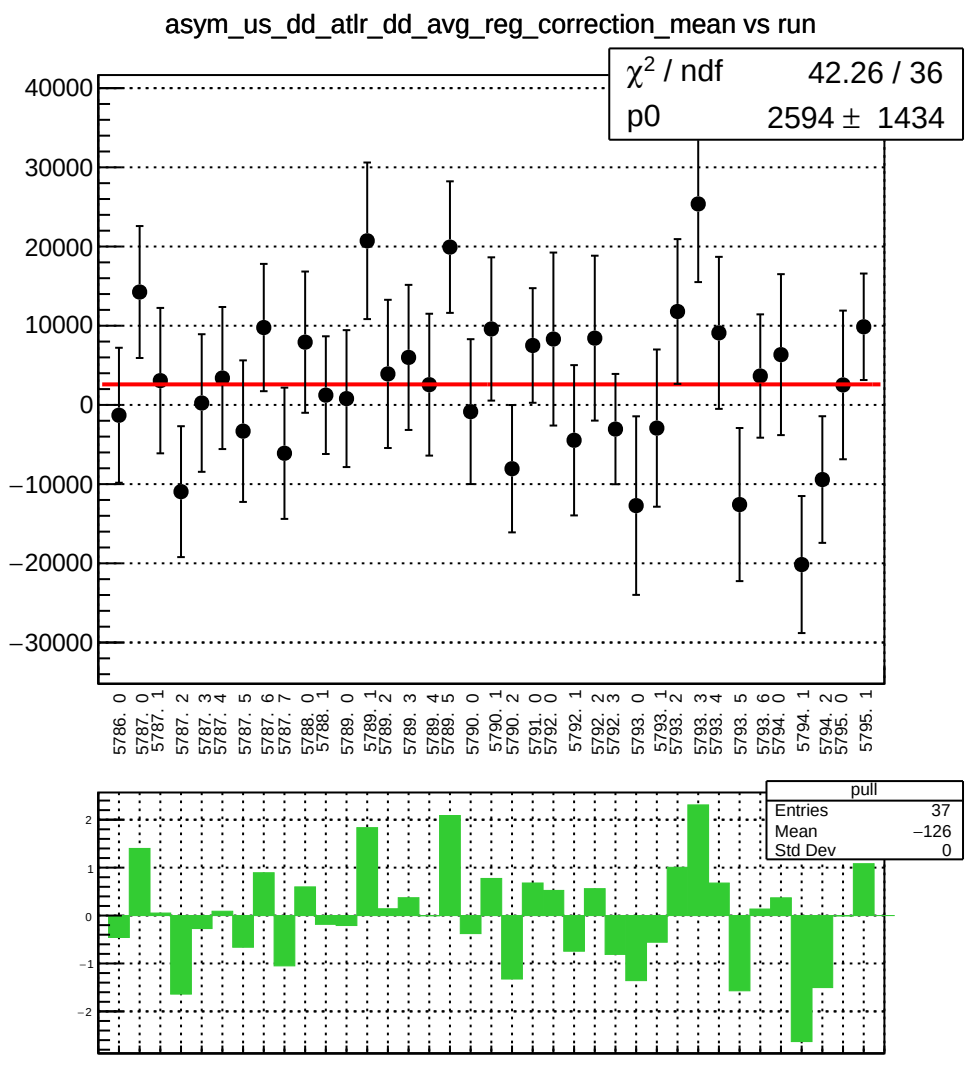

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.96 / 36
p0 −4.906e−13 ± 1.393e−13
pull
Entries 37
Mean −34.63
Std Dev 0

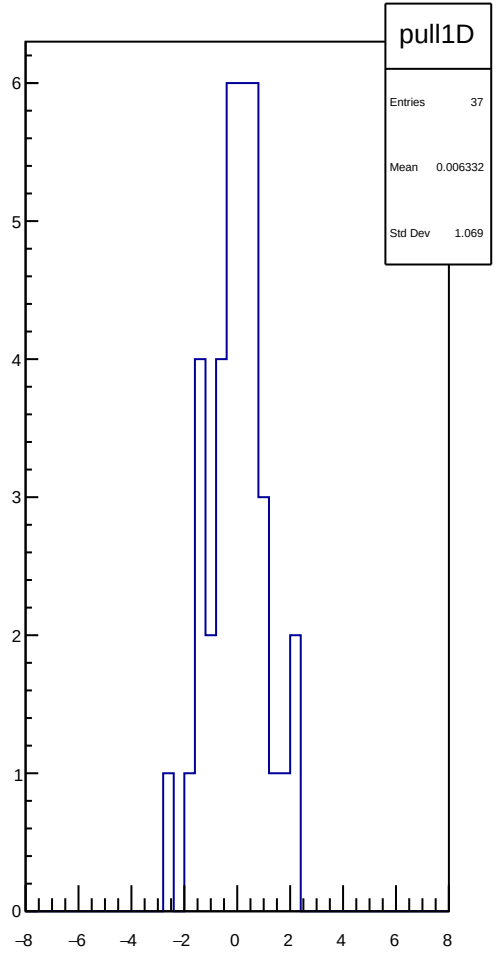

pull1D
Entries 37
Mean −0.02205
Std Dev 1.026

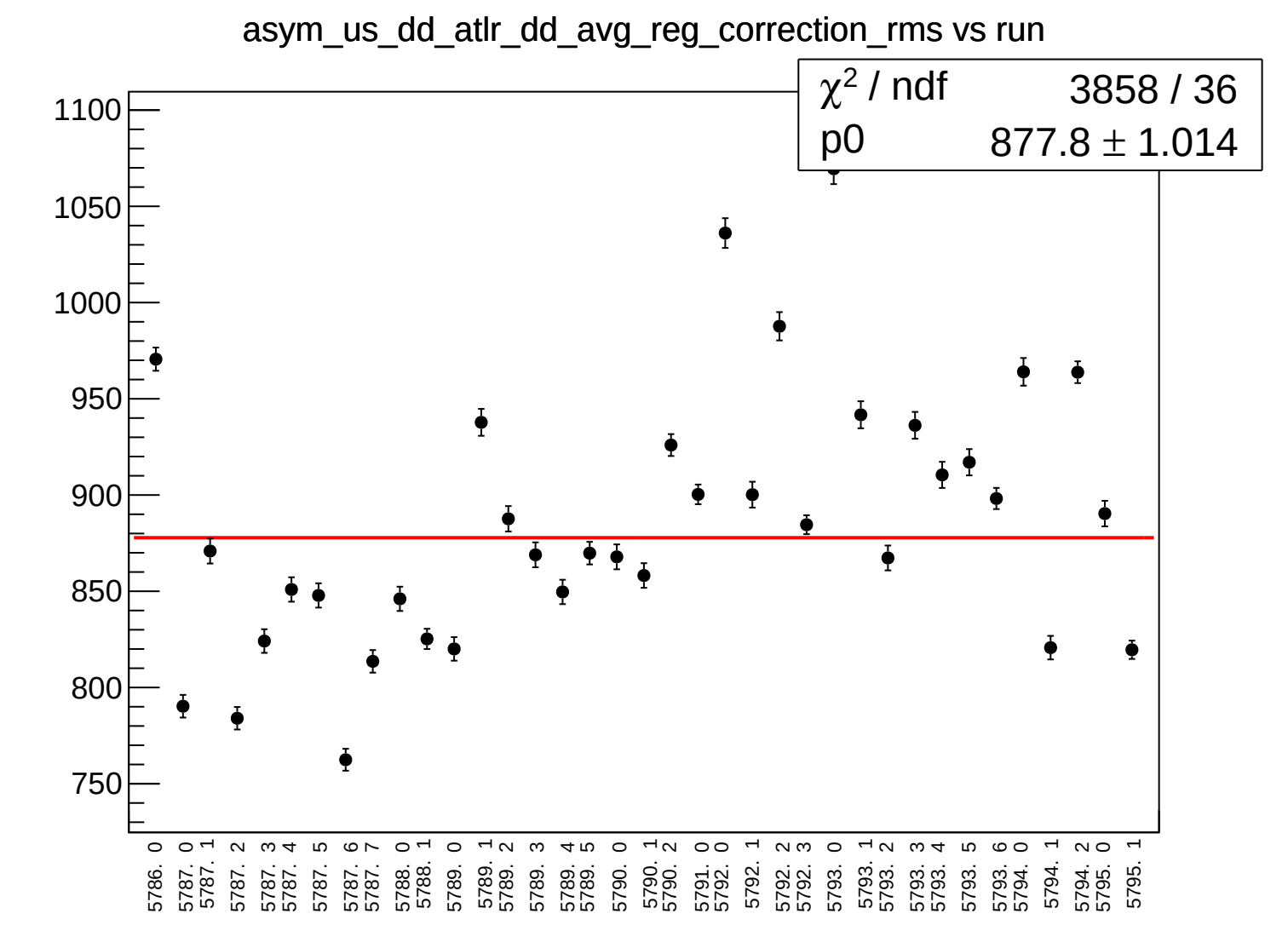

asym_us_dd_at2lr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.738e+05 / 36
p0 7.496e−11 ± 9.85e−14
0.45
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

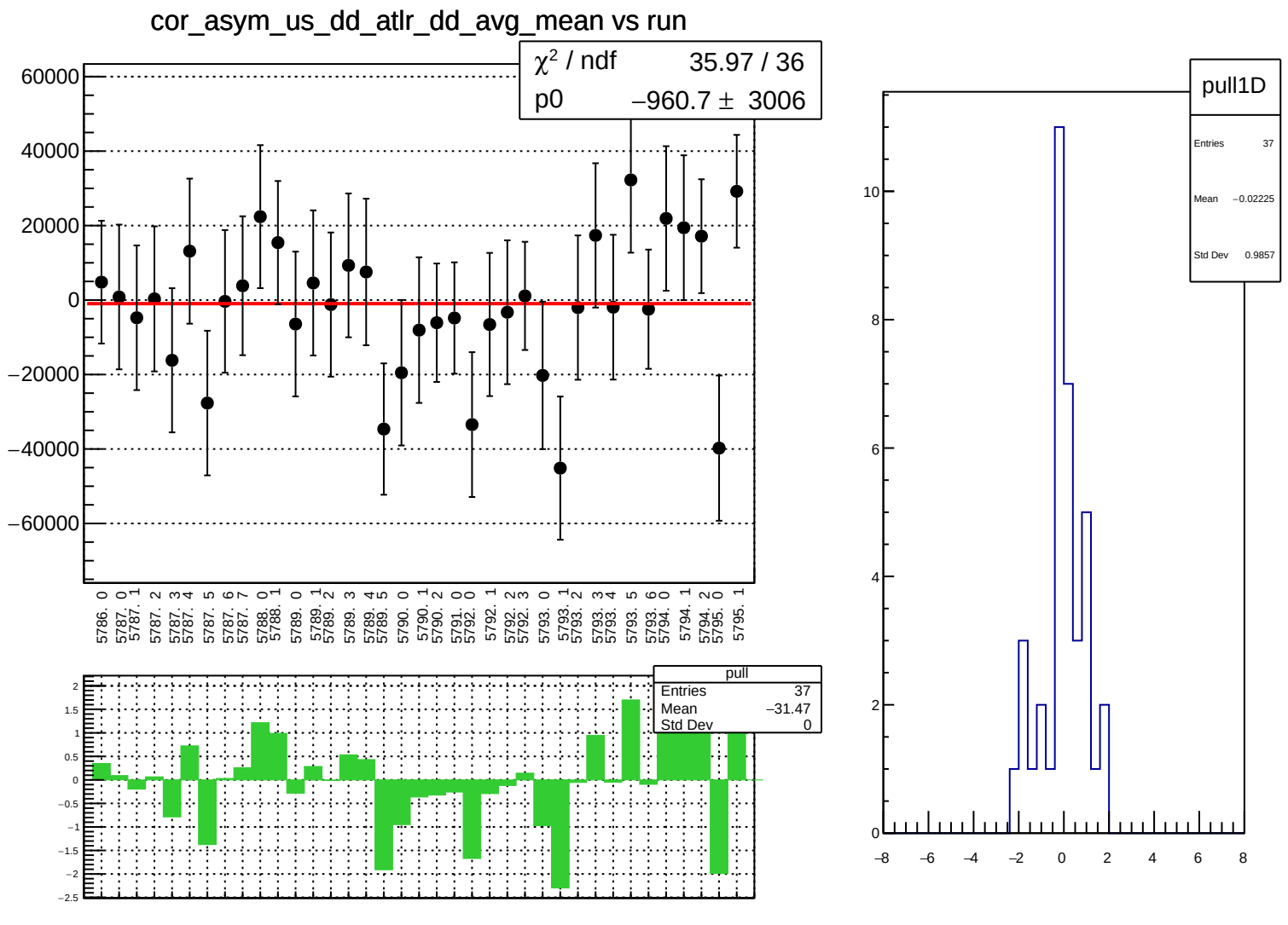

reg_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 35.97 / 36
p0 −961.1± 3006
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.46
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.02225
Std Dev 0.9857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

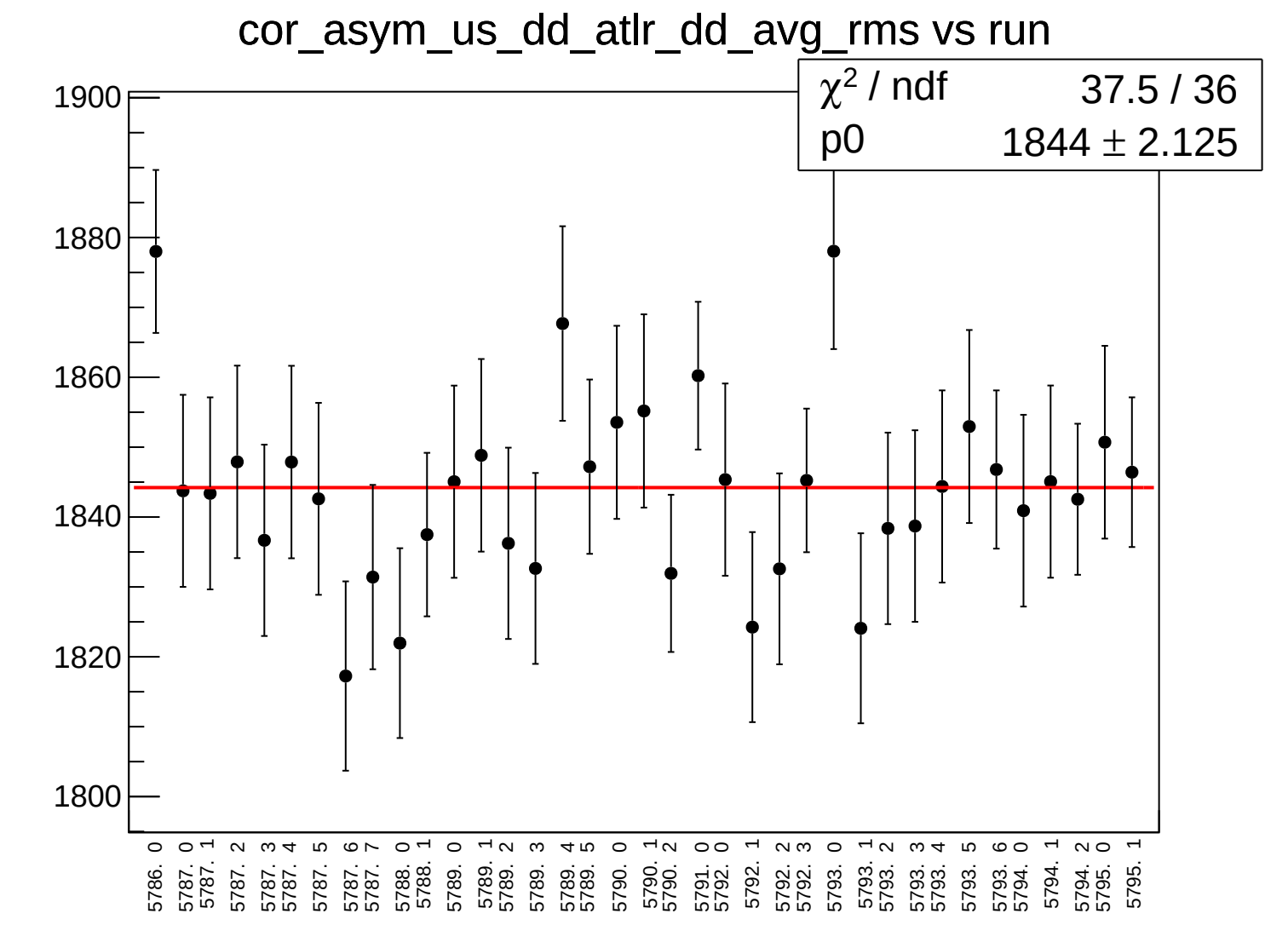

reg_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 37.5 / 36
p0 1844 ± 2.125
1900
1880
1860
1840
1820
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

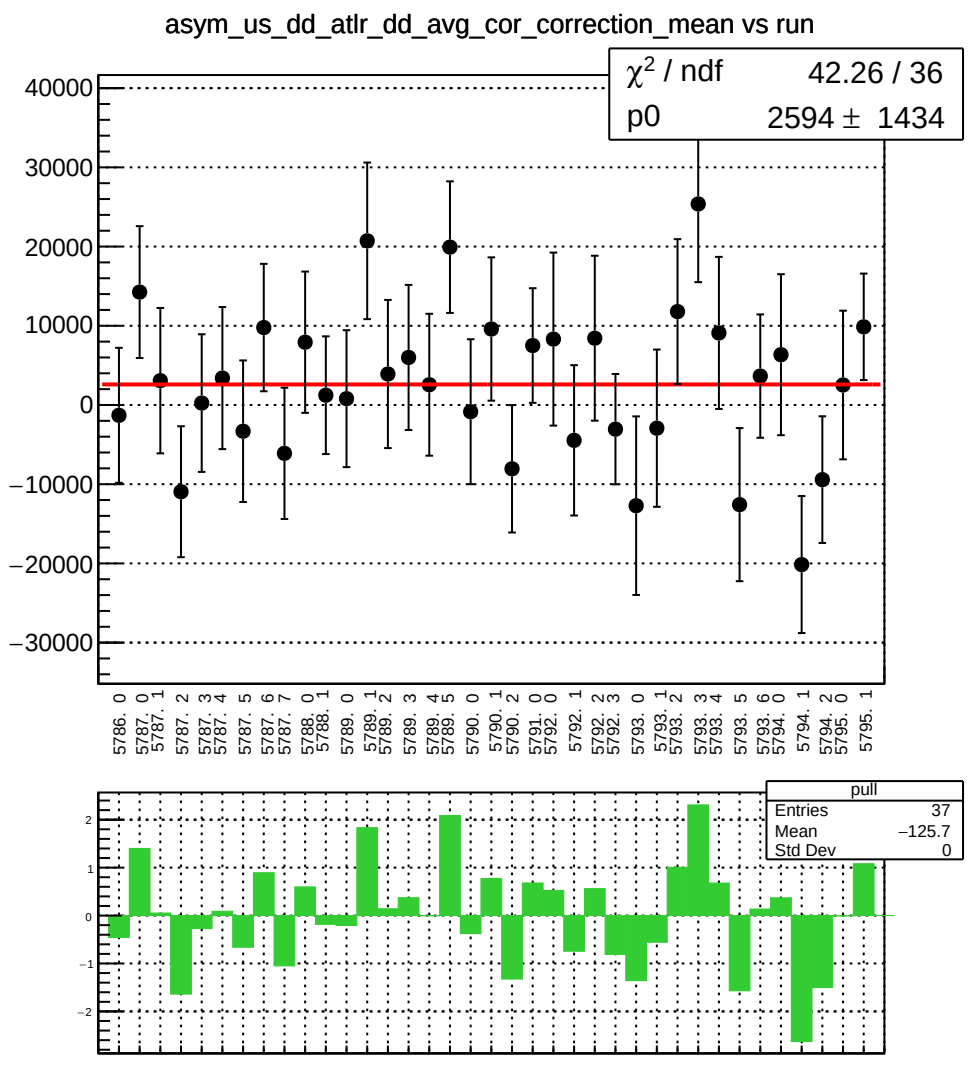

asym_us_dd_atlr_dd_avg_reg_correction_mean vs run
χ² / ndf 42.26 / 36
p0 2594 ± 1434
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −126
Std Dev 0
2
1
0
−1
−2

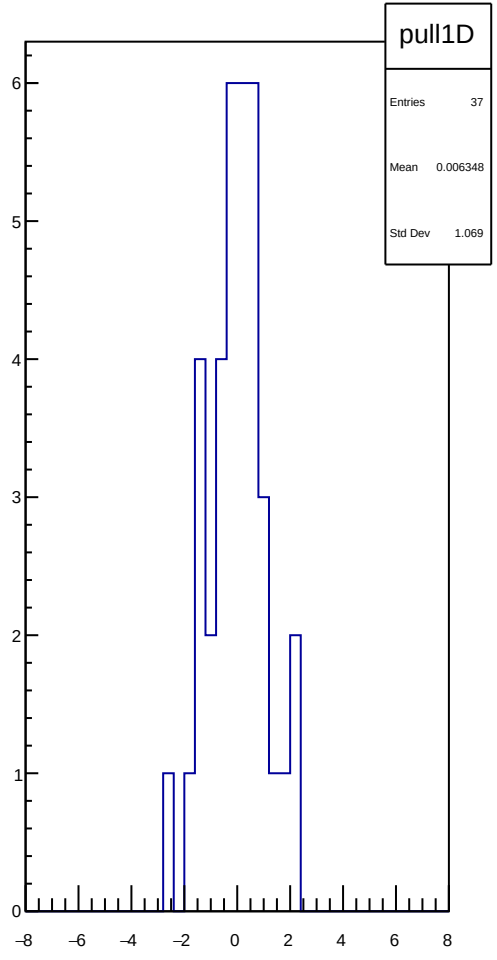

pull1D
Entries 37
Mean 0.006332
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

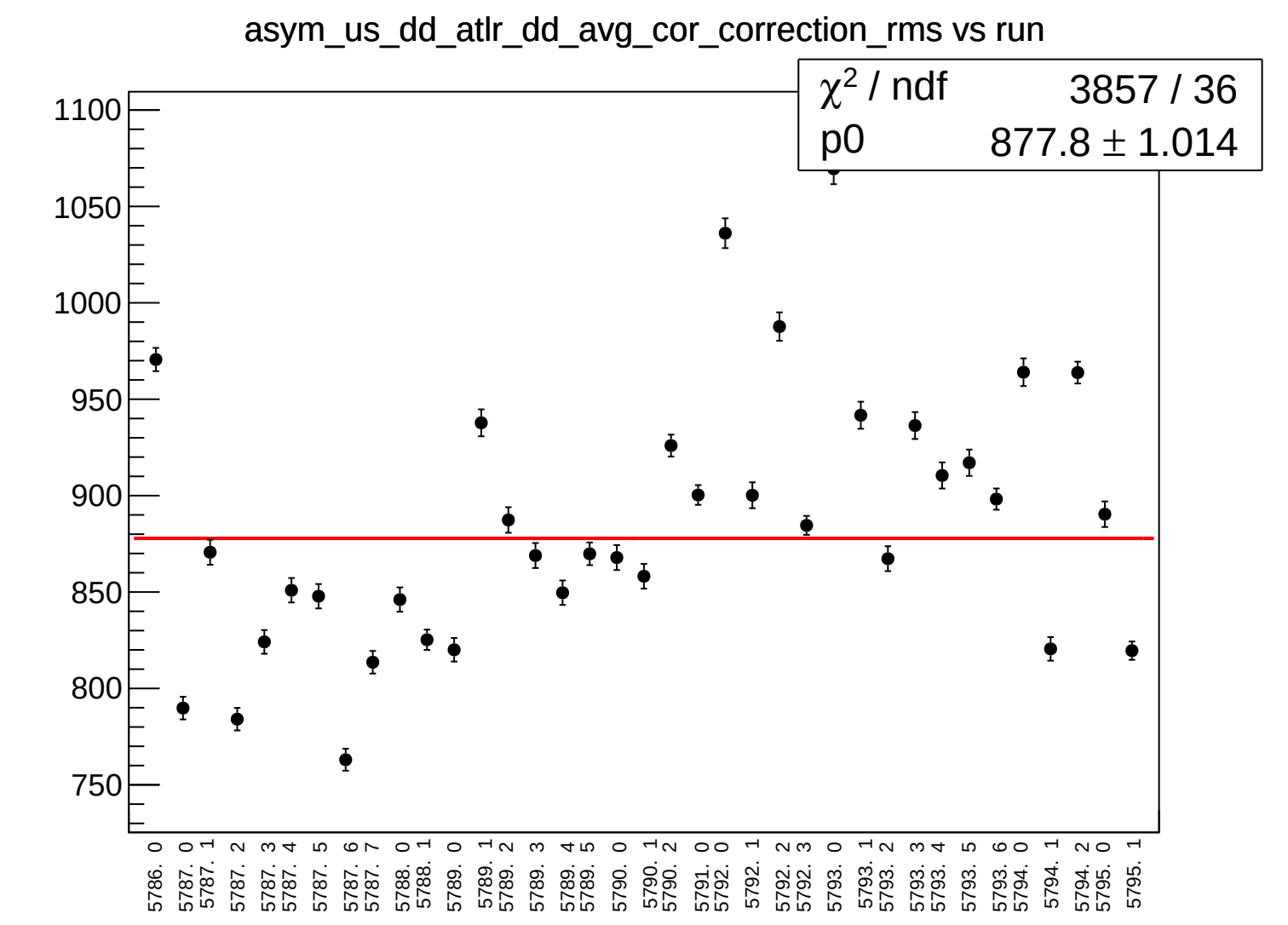

asym_us_dd_atlr_dd_avg_reg_correction_rms vs run
χ² / ndf 3858 / 36
p0 877.8 ± 1.014
1100
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

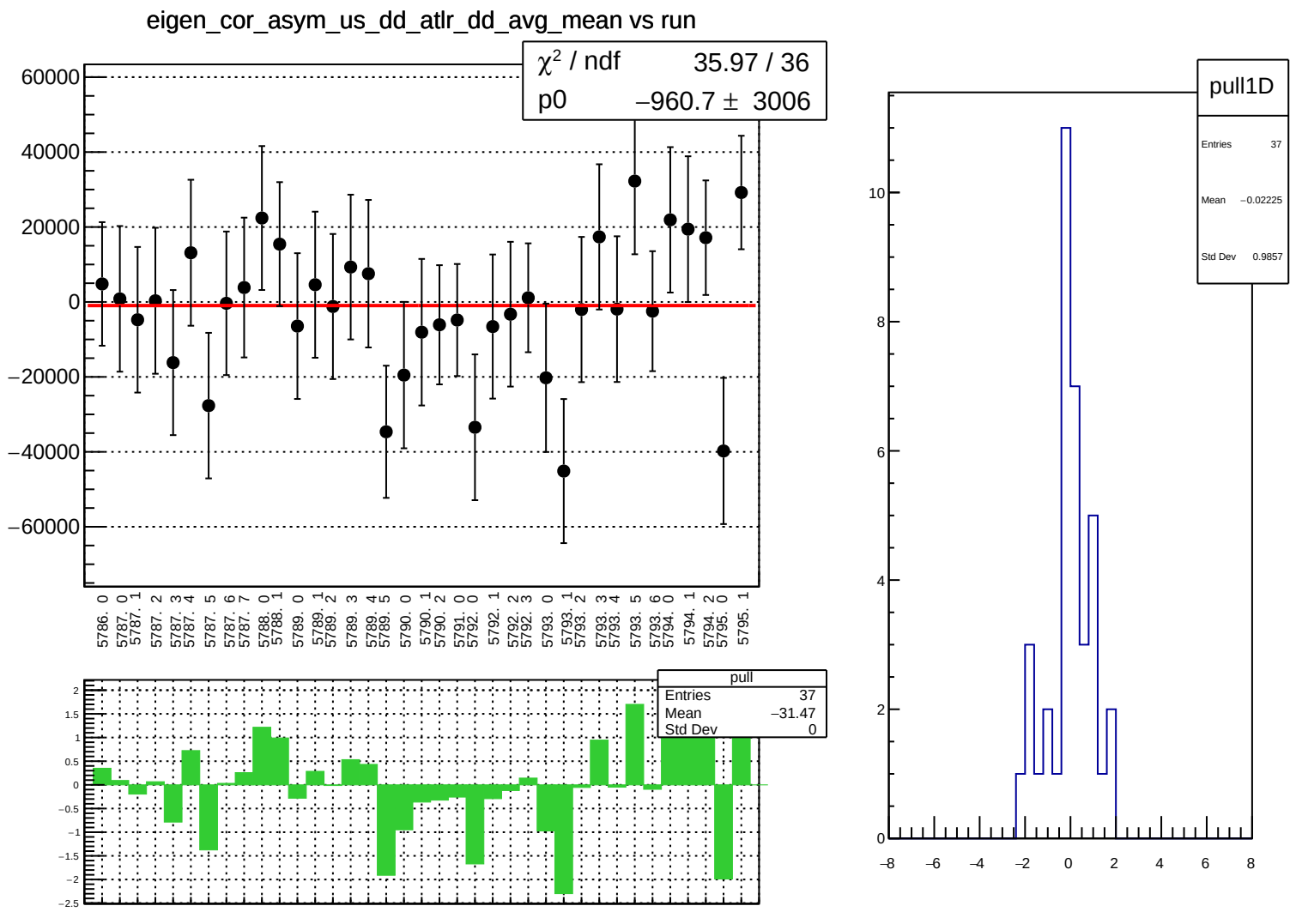

cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 35.97 / 36
p0 −960.7 ± 3006
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.02225
Std Dev 0.9857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

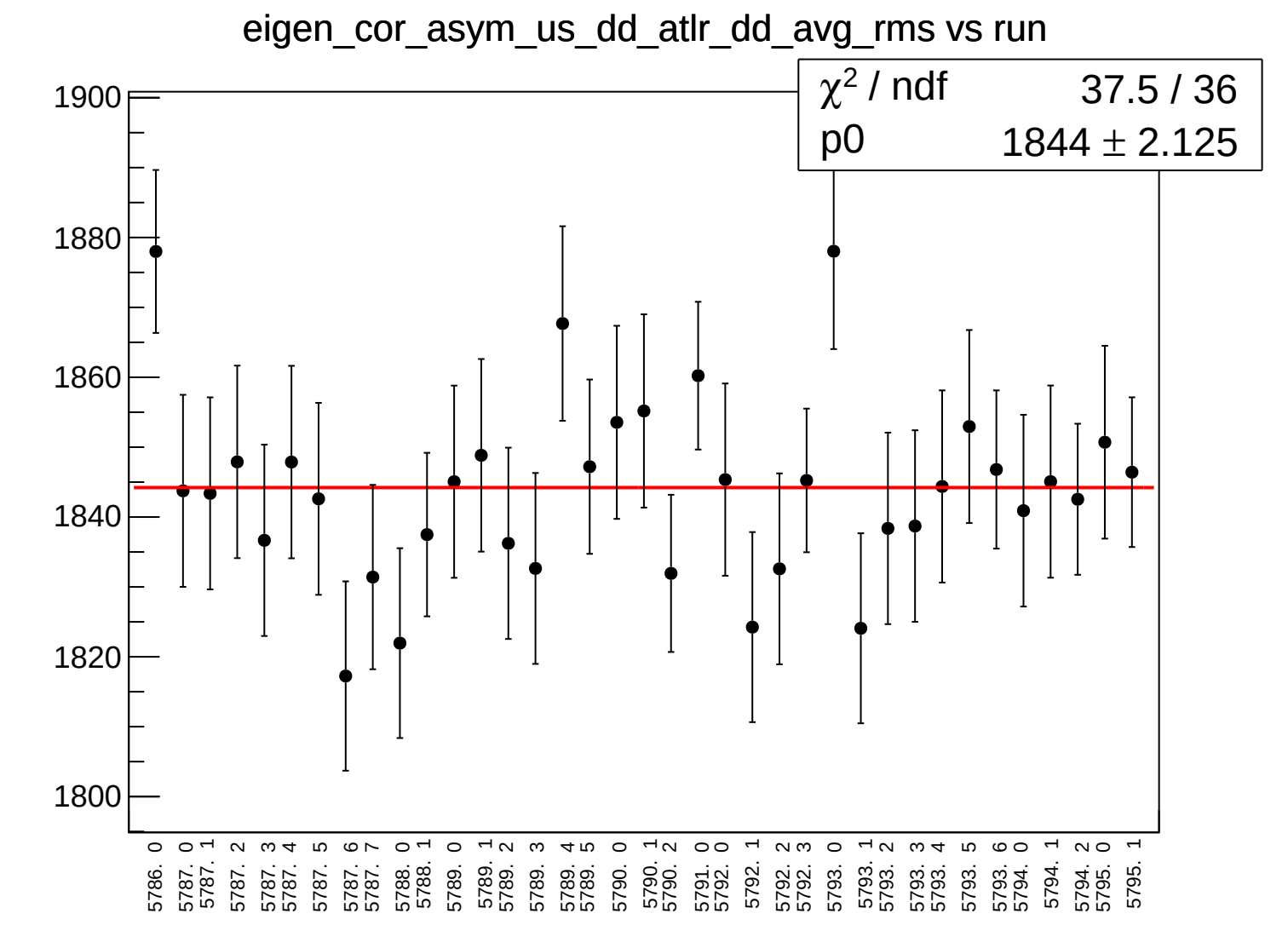

cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 37.5 / 36
p0 1844 ± 2.125
1900
1880
1860
1840
1820
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

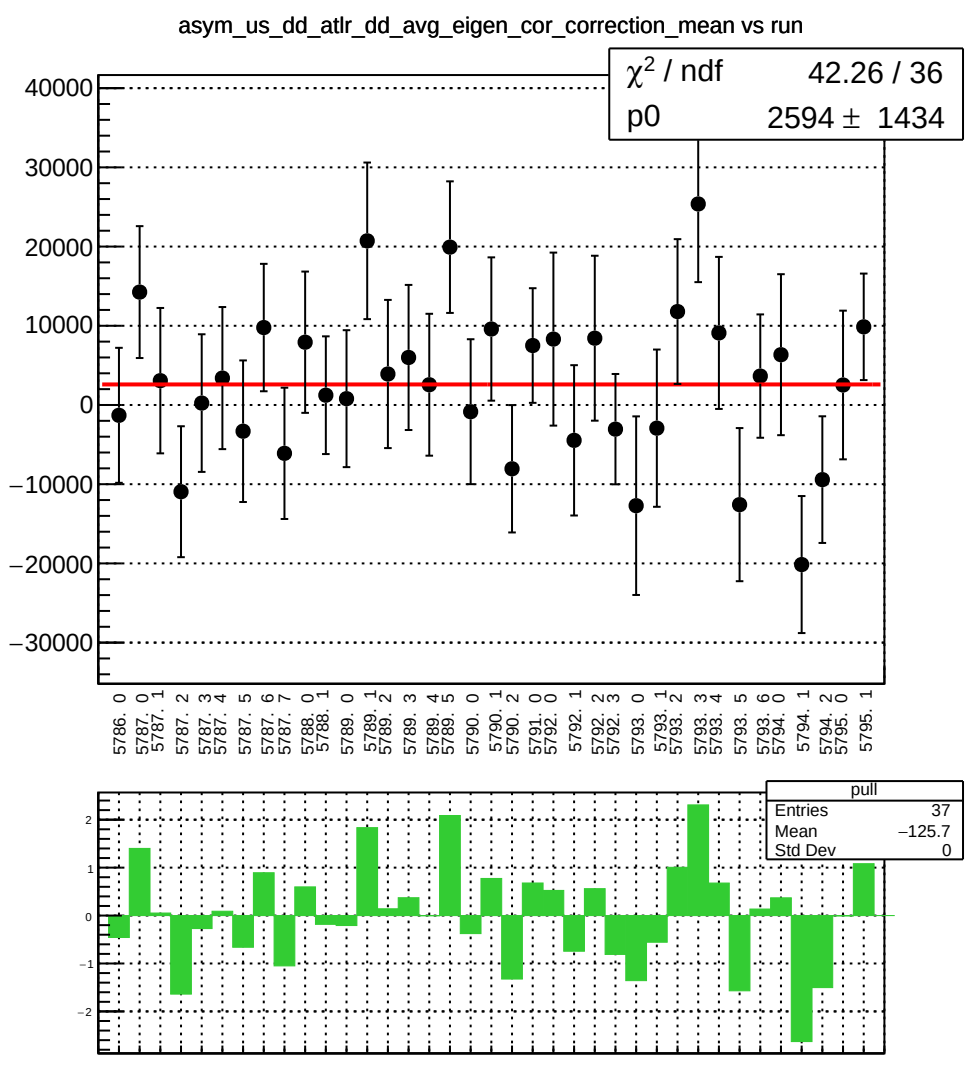

asym_us_dd_atlr_dd_avg_cor_correction_mean vs run
χ² / ndf 42.26 / 36
p0 2594 ± 1434
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −125.7
Std Dev 0
2
1
0
−1
−2

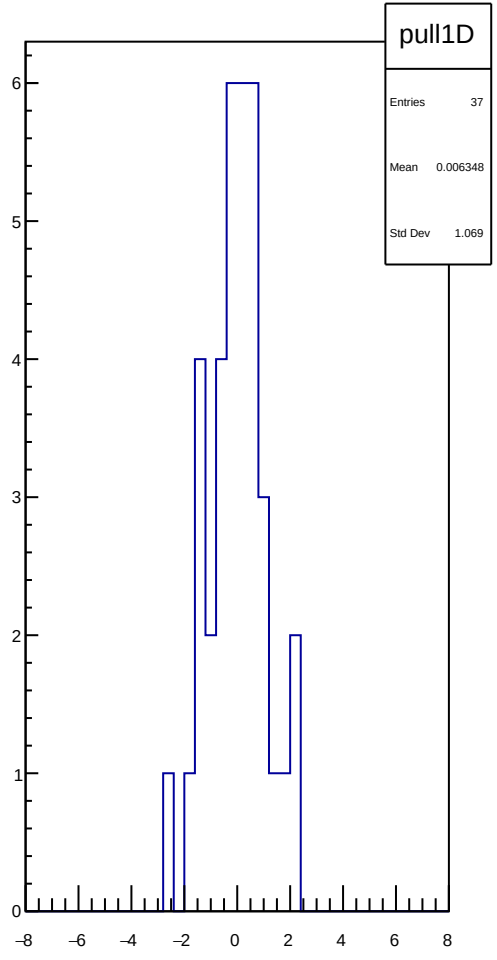

pull1D
Entries 37
Mean 0.006348
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

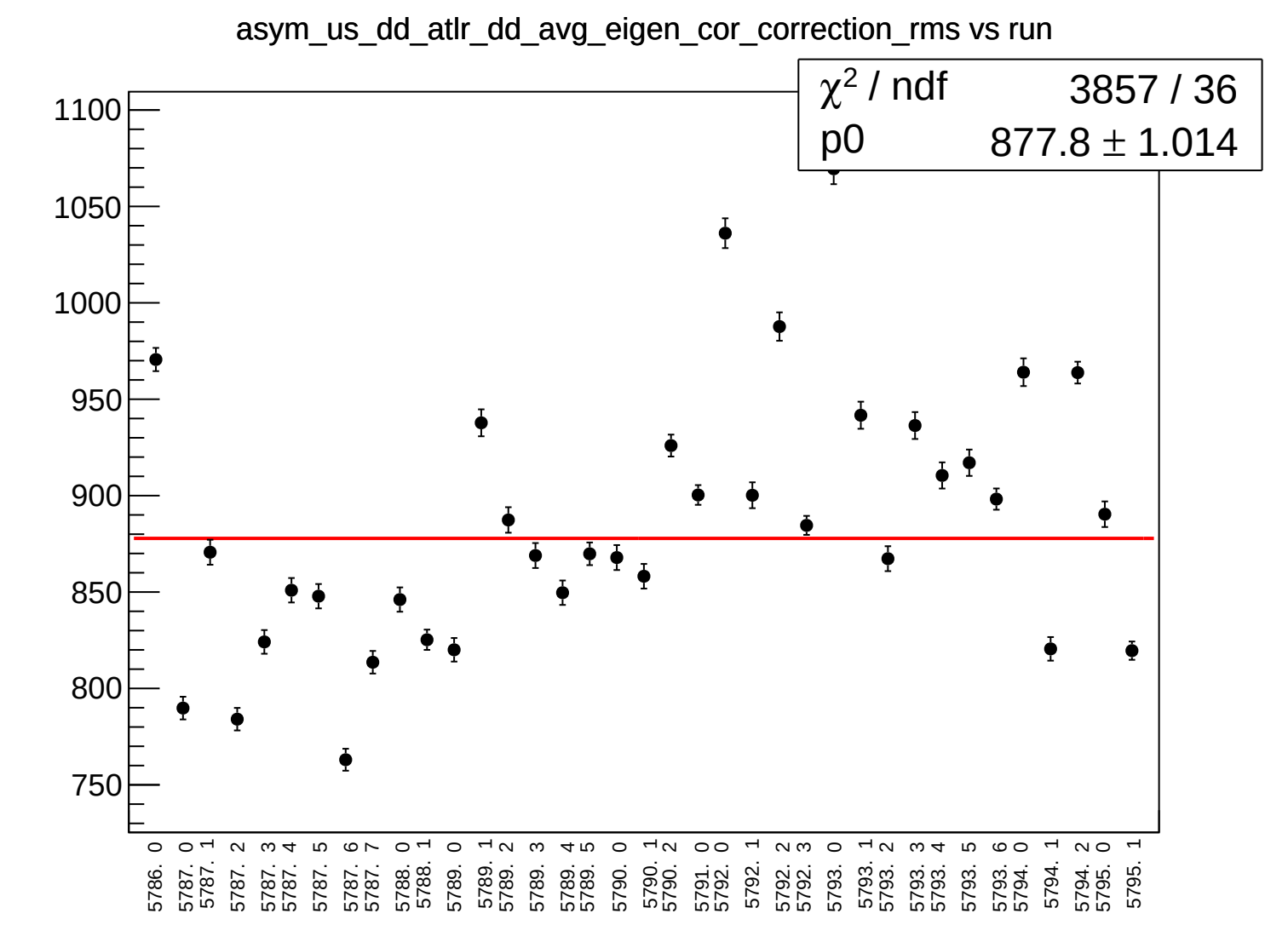

asym_us_dd_atlr_dd_avg_cor_correction_rms vs run
χ² / ndf 3857 / 36
p0 877.8 ± 1.014
1100
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

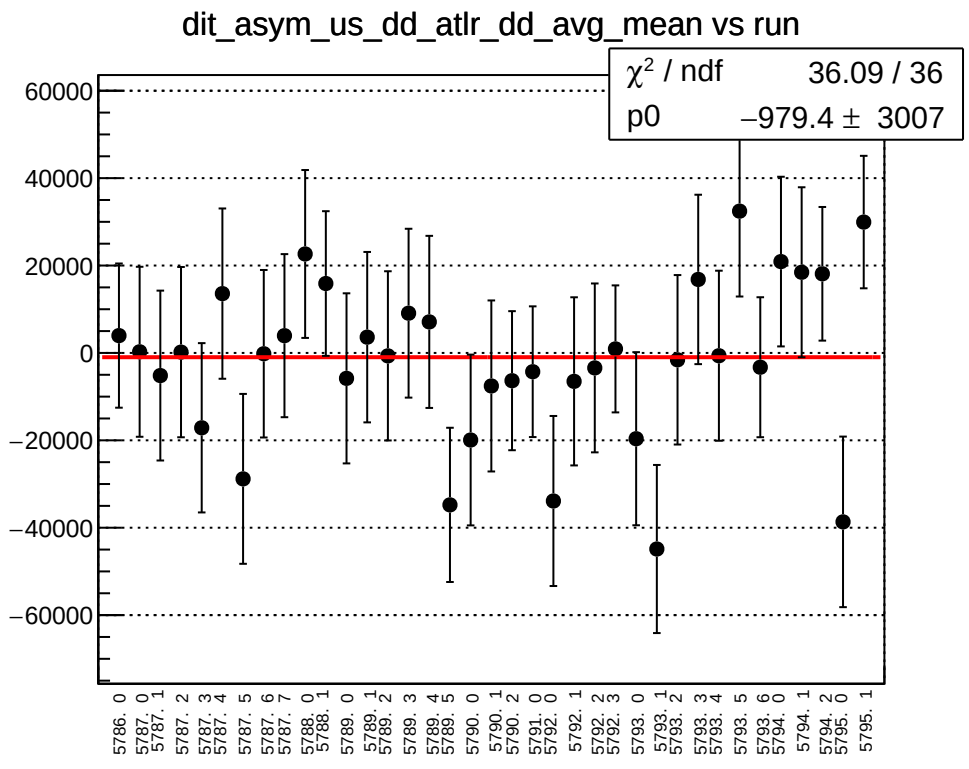

eigen_cor_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 35.97 / 36
p0 −960.7 ± 3006
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.02225
Std Dev 0.9857
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

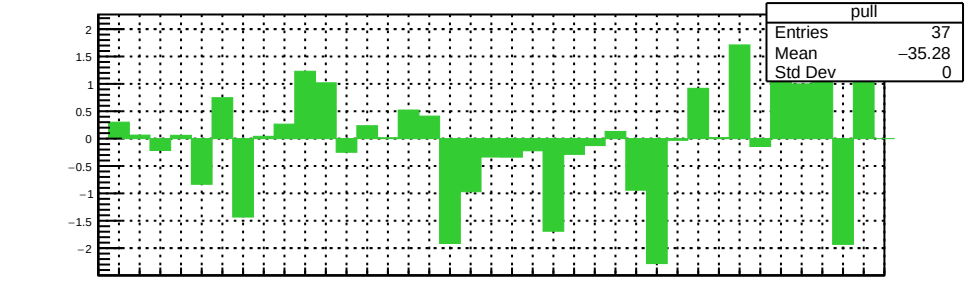

eigen_cor_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 37.5 / 36
p0 1844 ± 2.125
1900
1880
1860
1840
1820
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

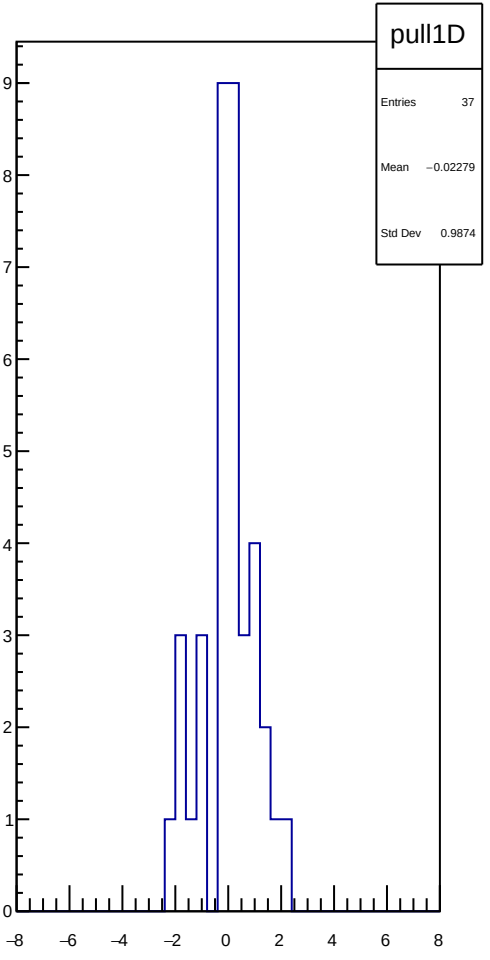

asym_us_dd_atlr_dd_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.26 / 36
p0 2594 ± 1434
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −125.7
Std Dev 0
2
1
0
−1
−2

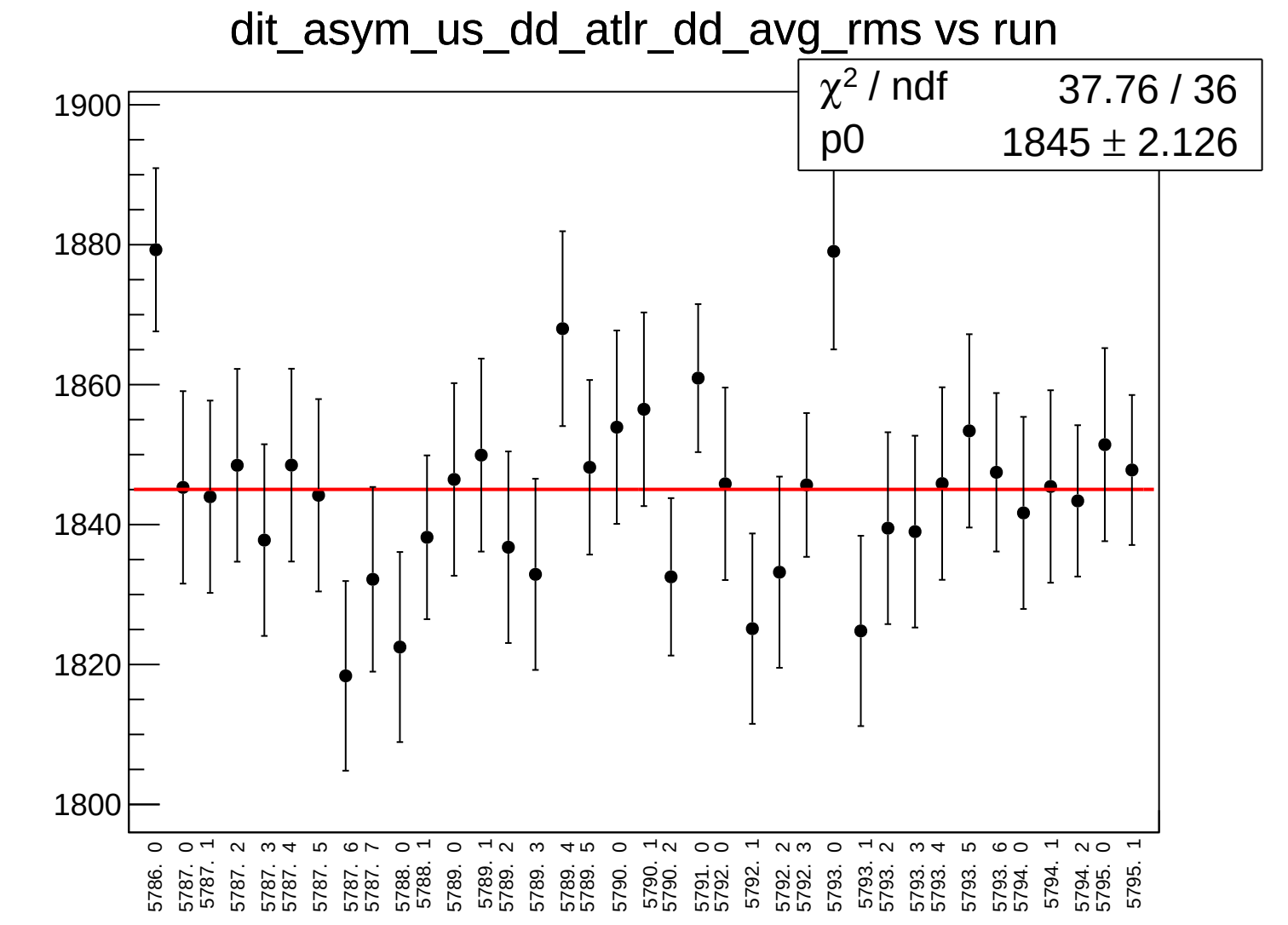

pull1D
Entries 37
Mean 0.006348
Std Dev 1.069
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

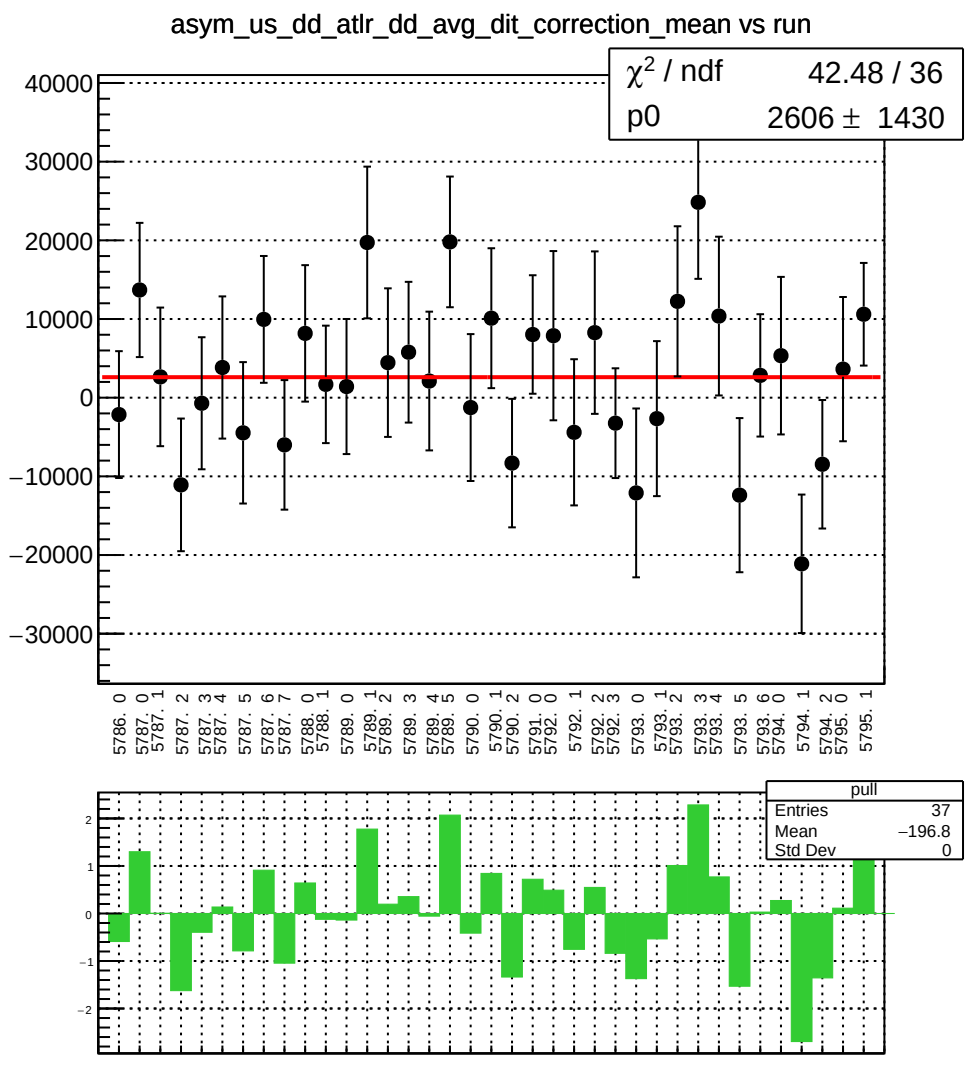

asym_us_dd_atlr_dd_avg_eigen_cor_correction_rms vs run
χ² / ndf 3857 / 36
p0 877.8 ± 1.014
1100
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

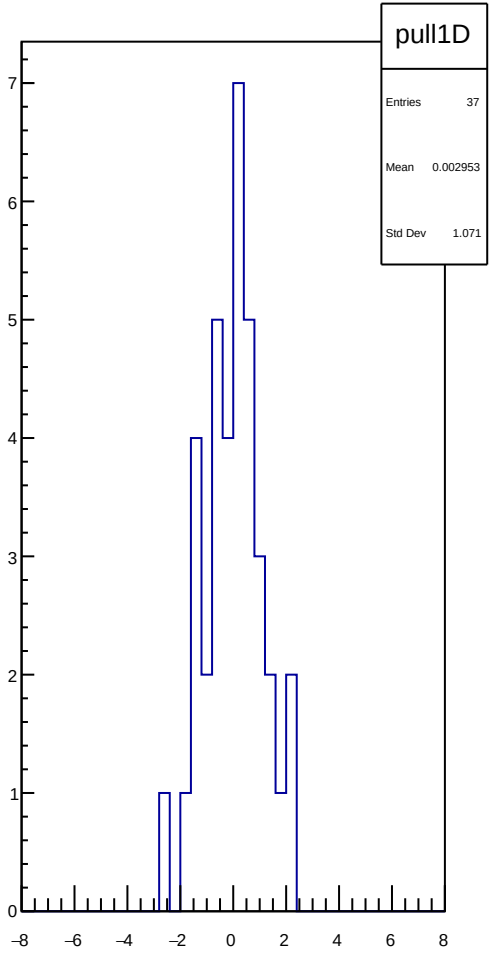

dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 36.09 / 36
p0 −979.4 ± 3007
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

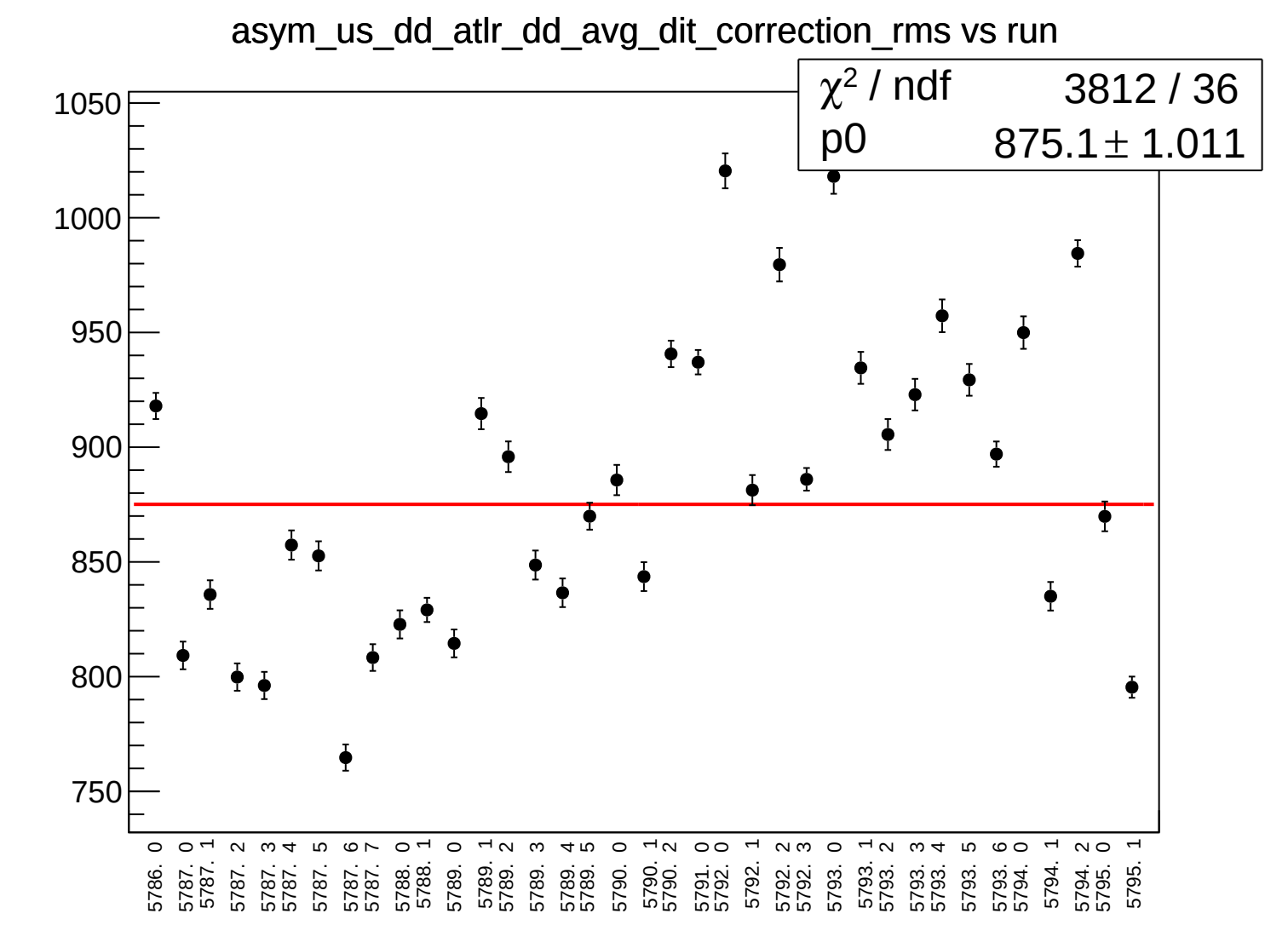

pull
Entries 37
Mean −35.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

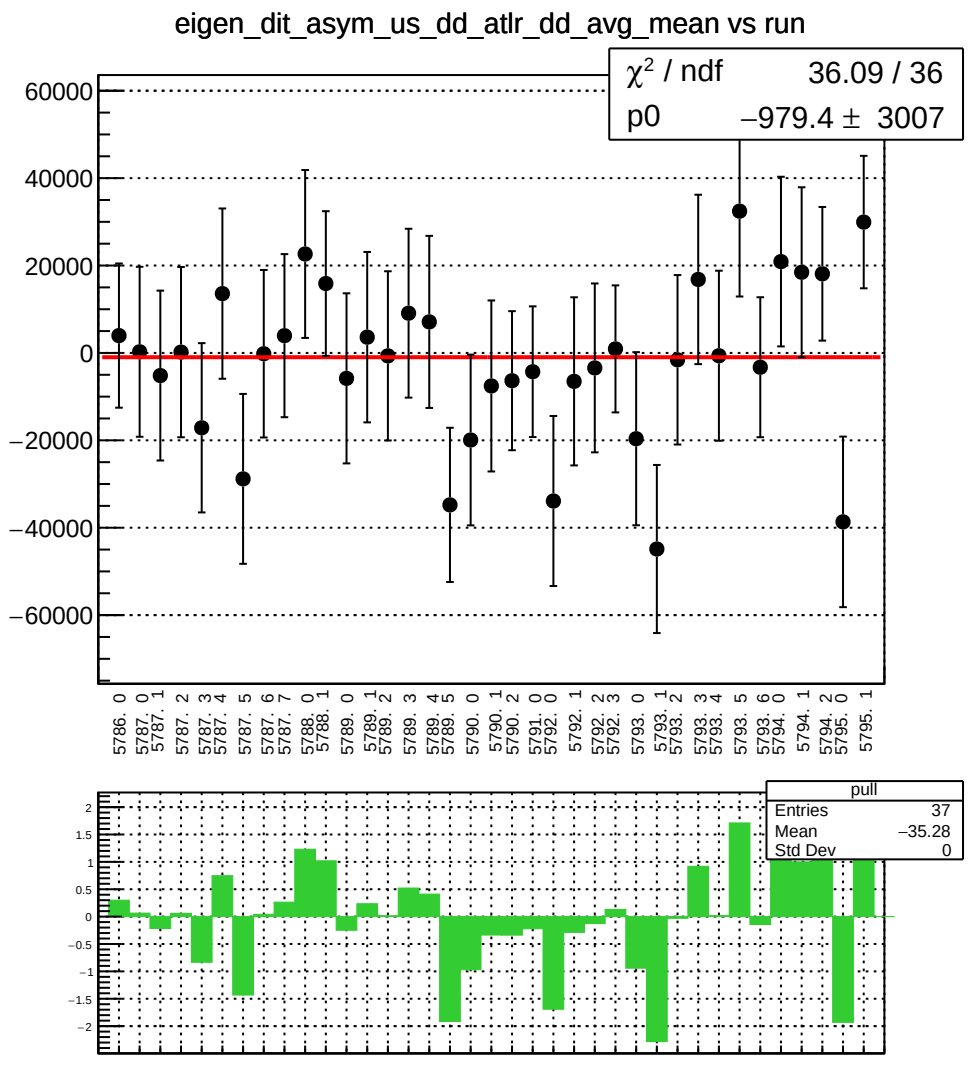

pull1D
Entries 37
Mean −0.02279
Std Dev 0.9874
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

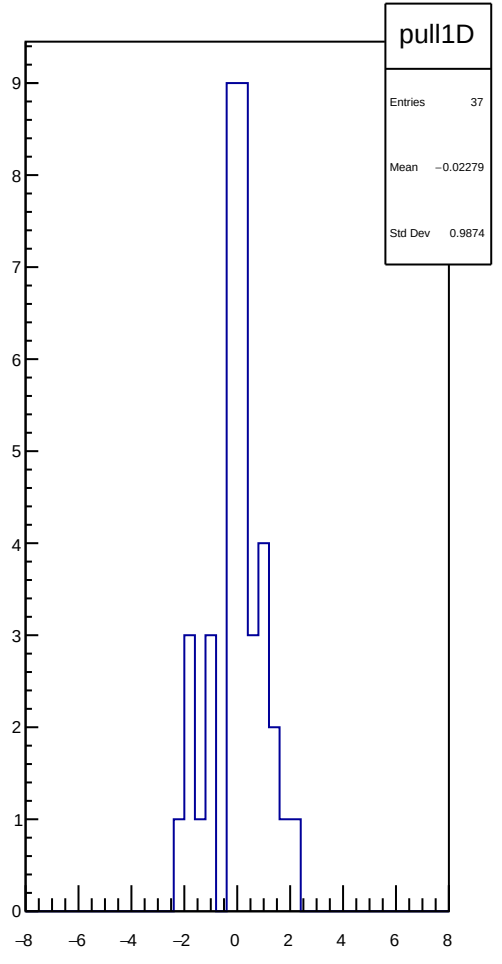

dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 37.76 / 36
p0 1845 ± 2.126
1900
1880
1860
1840
1820
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

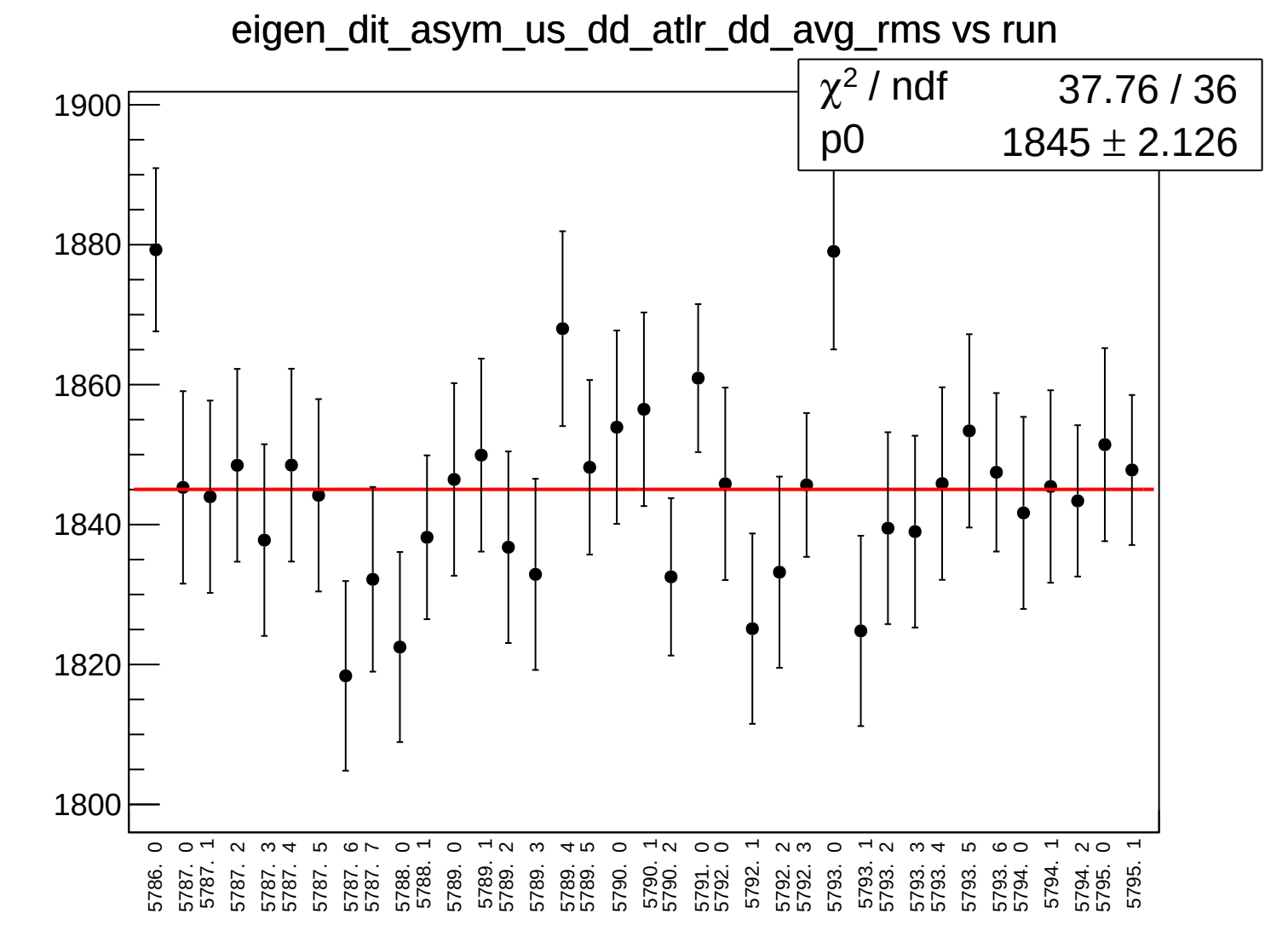

asym_us_dd_atlr_dd_avg_dit_correction_mean vs run
χ² / ndf 42.48 / 36
p0 2606 ± 1430
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −196.8
Std Dev 0
2
1
0
−1
−2

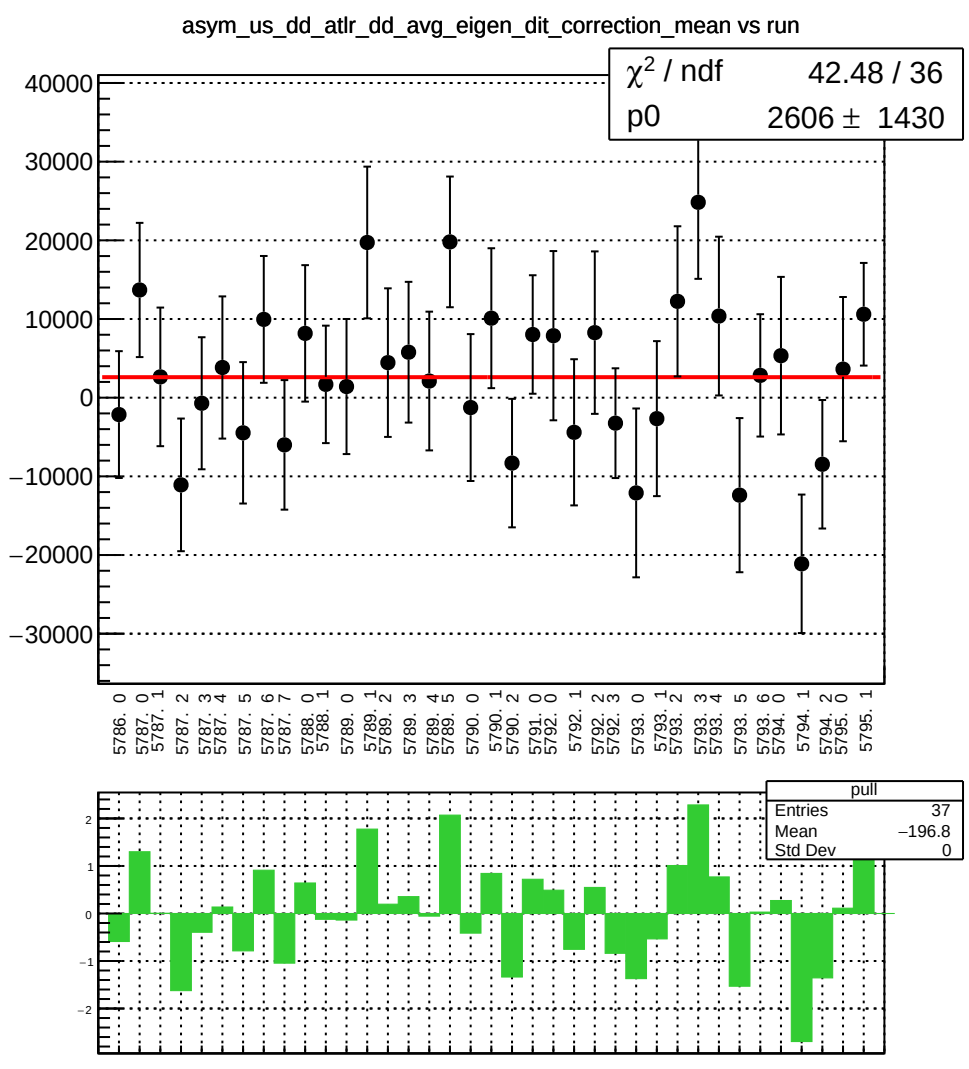

pull1D
Entries 37
Mean 0.002953
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

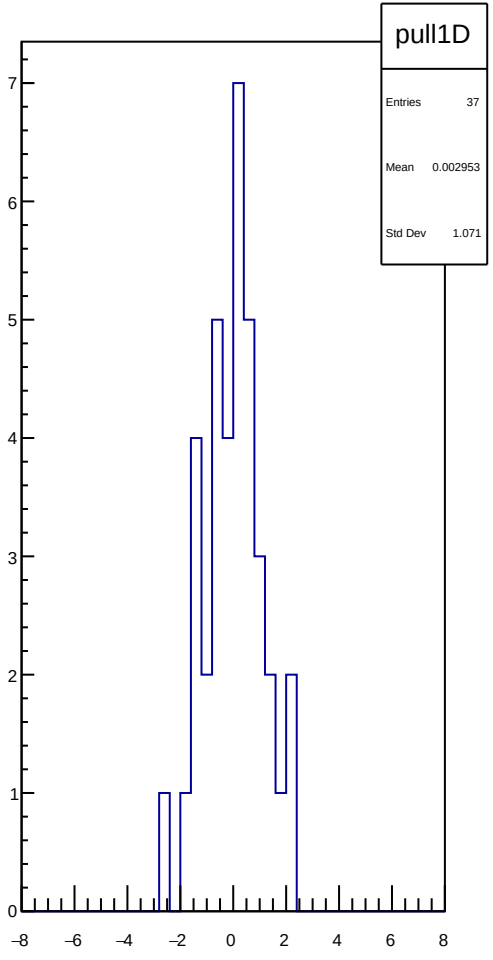

asym_us_dd_atlr_dd_avg_dit_correction_rms vs run
χ² / ndf 3812 / 36
p0 875.1 ± 1.011
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

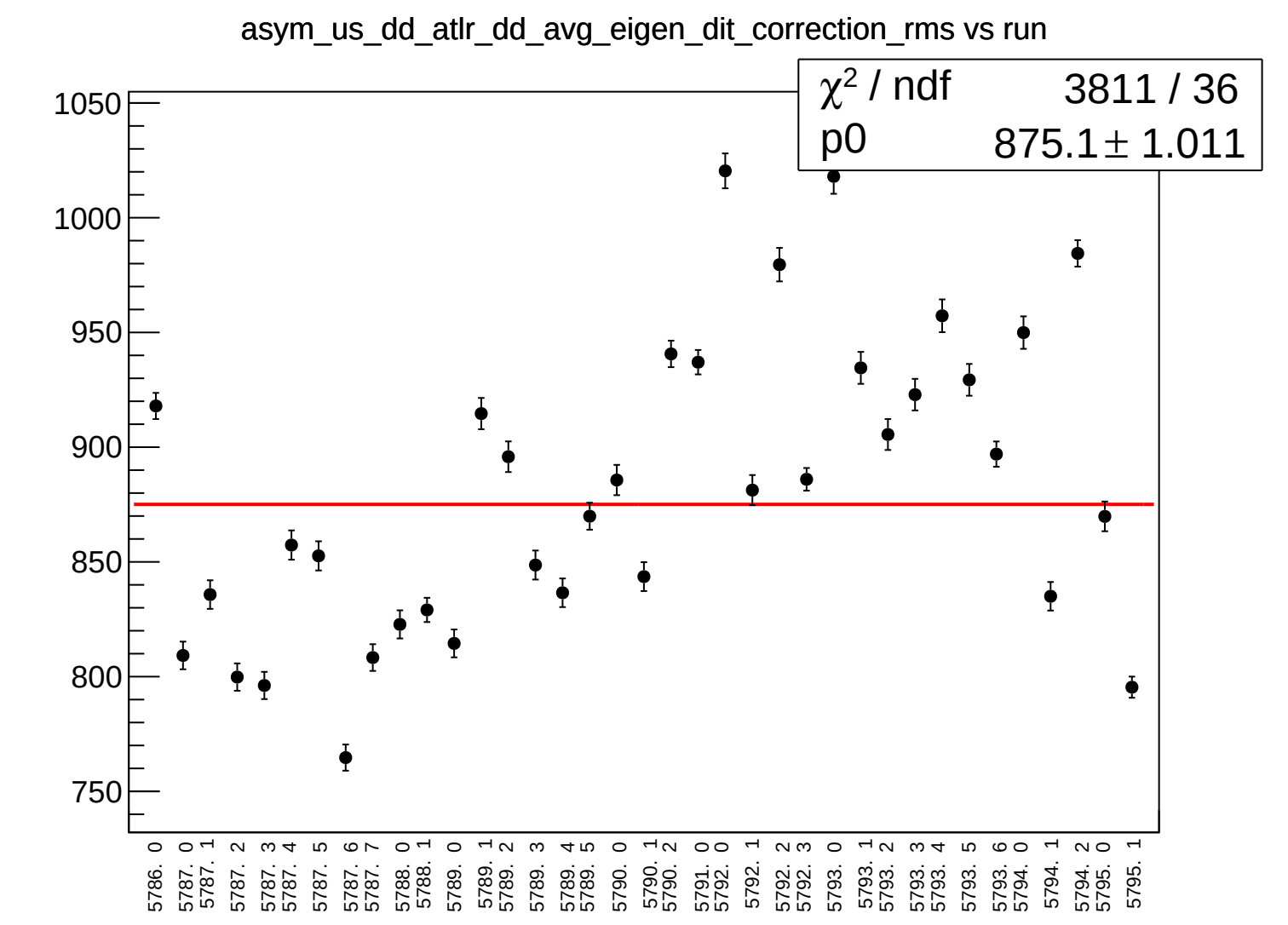

eigen_dit_asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 36.09 / 36
p0 −979.4 ± 3007
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −35.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

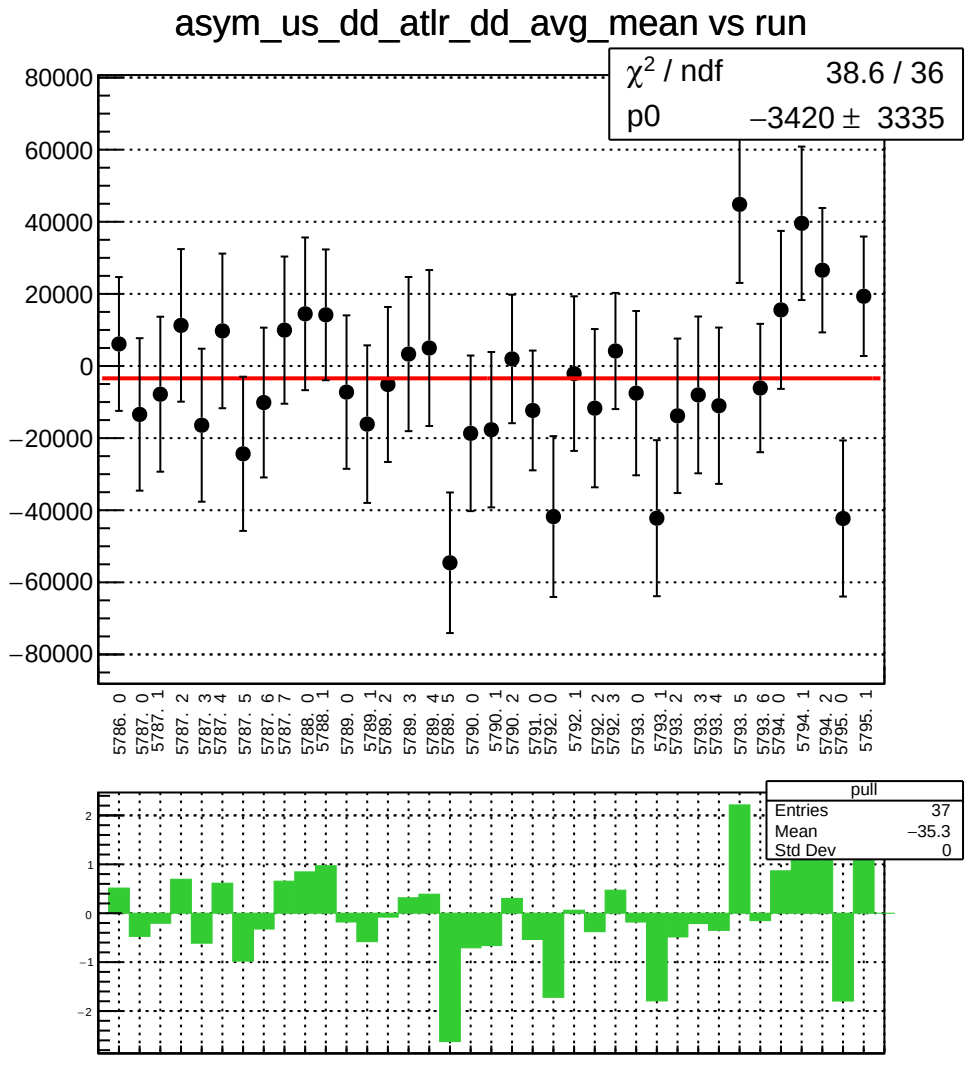

pull1D
Entries 37
Mean −0.02279
Std Dev 0.9874
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

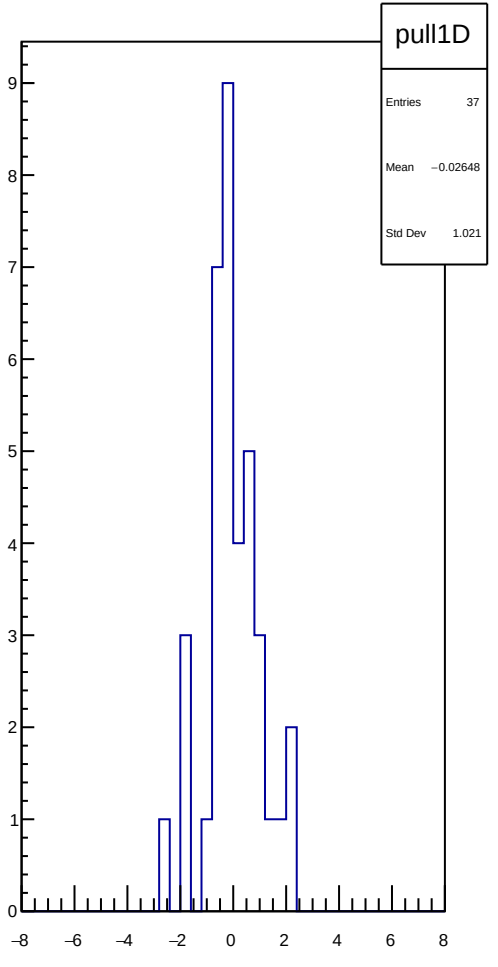

eigen_dit_asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 37.76 / 36
p0 1845 ± 2.126
1900
1880
1860
1840
1820
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

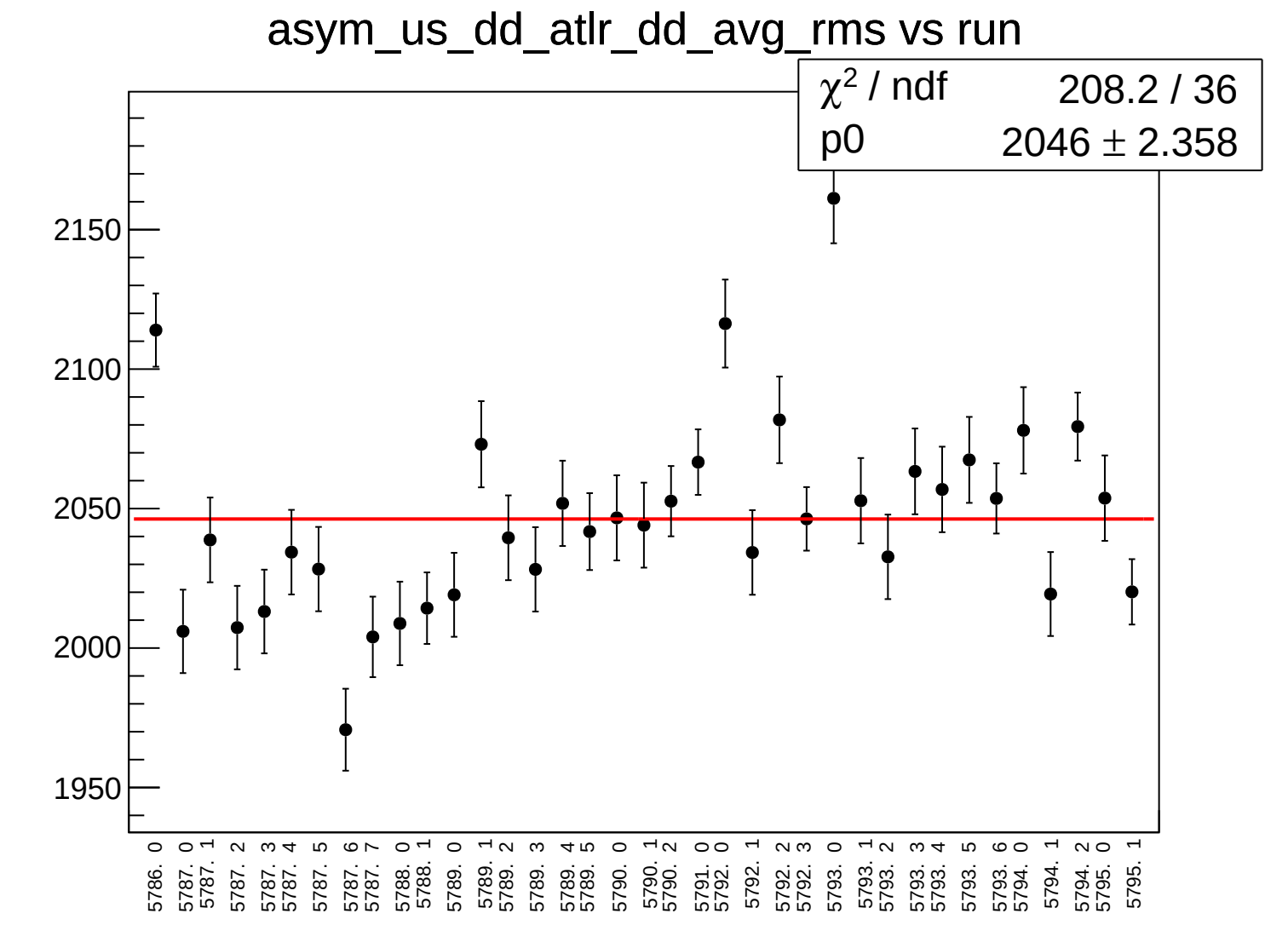

asym_us_dd_atlr_dd_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.48 / 36
p0 2606 ± 1430
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −196.8
Std Dev 0
2
1
0
−1
−2

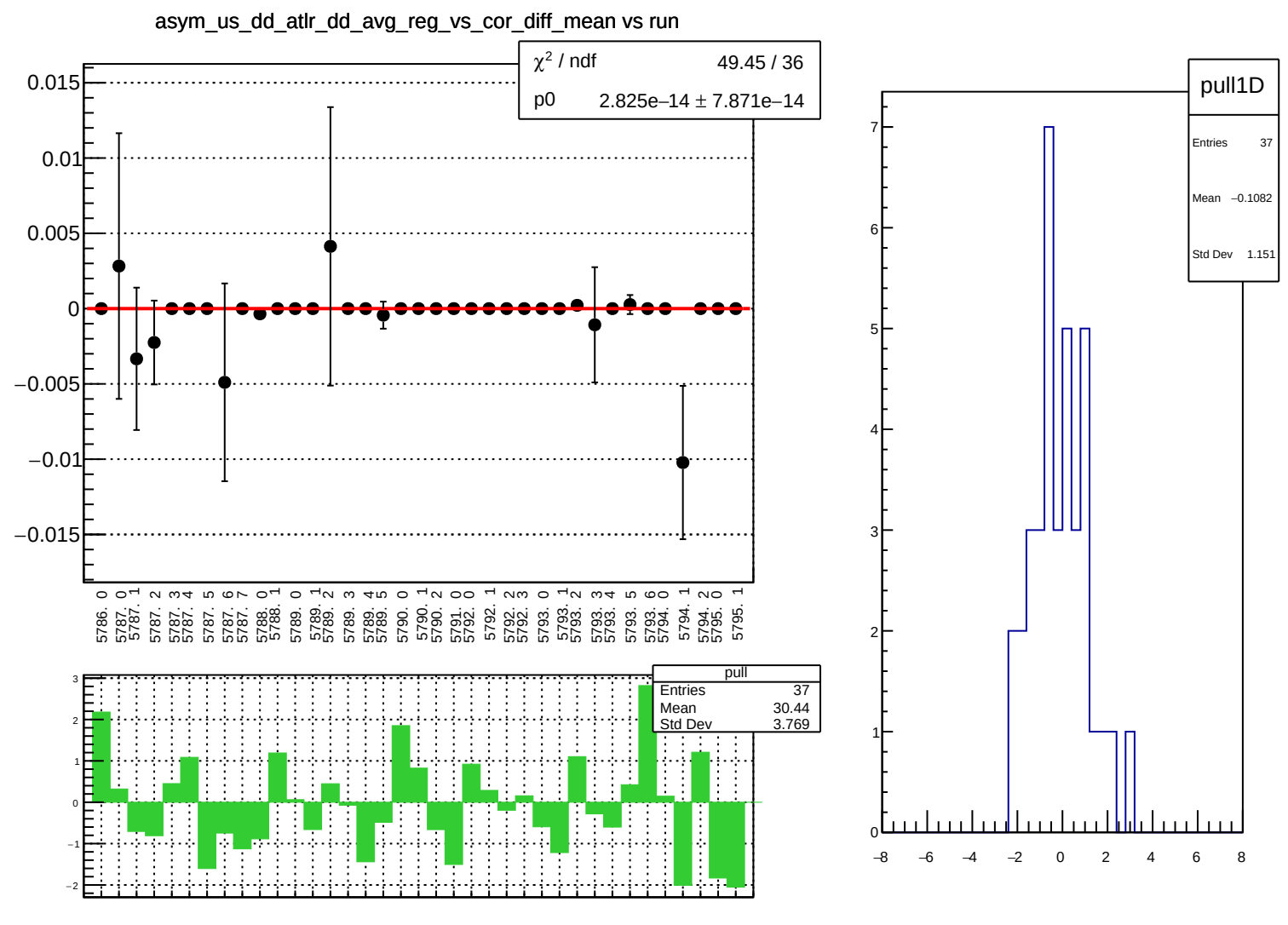

pull1D
Entries 37
Mean 0.002953
Std Dev 1.071
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

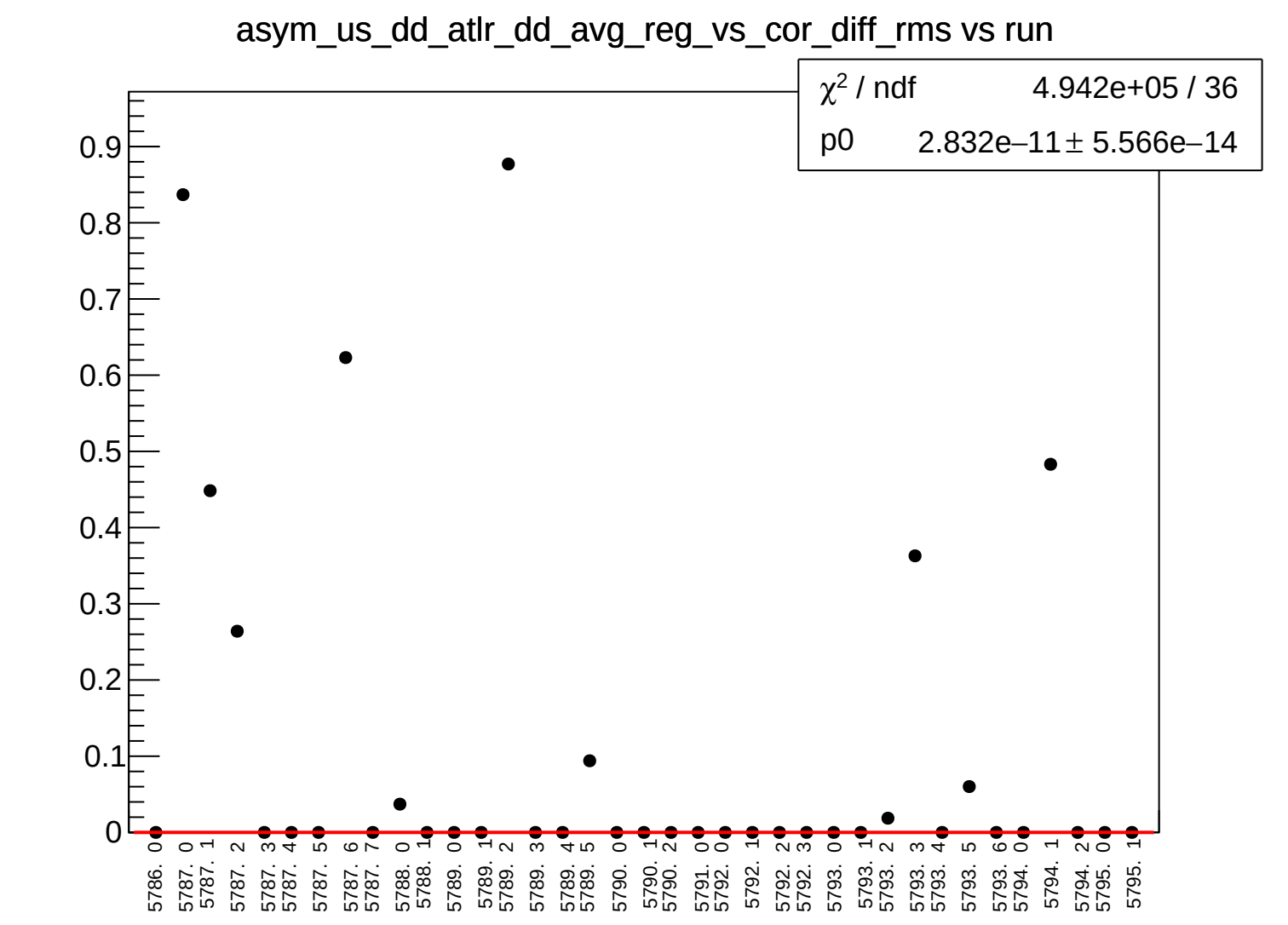

asym_us_dd_atlr_dd_avg_eigen_dit_correction_rms vs run
χ² / ndf 3811 / 36
p0 875.1 ± 1.011
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

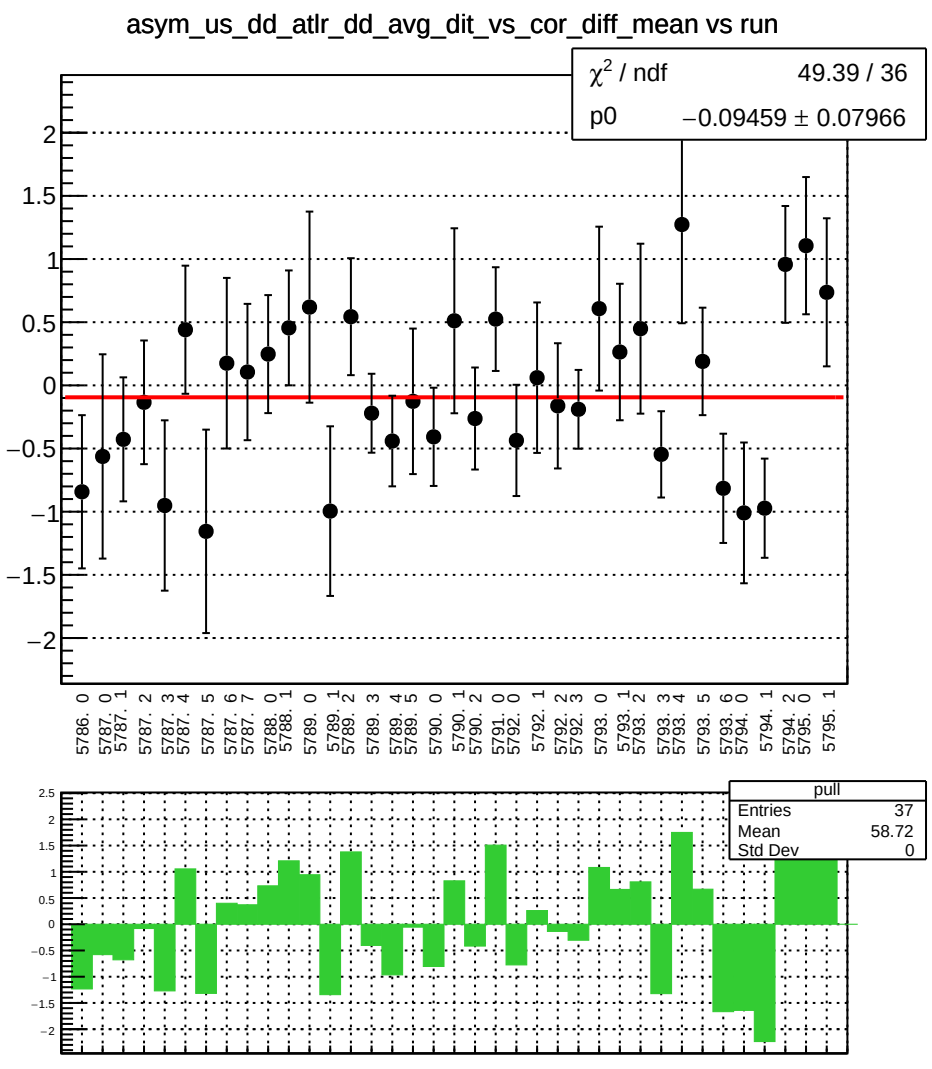

asym_us_dd_atlr_dd_avg_mean vs run
χ² / ndf 38.6 / 36
p0 −3420 ± 3335
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −35.3
Std Dev 0
2
1
0
−1
−2

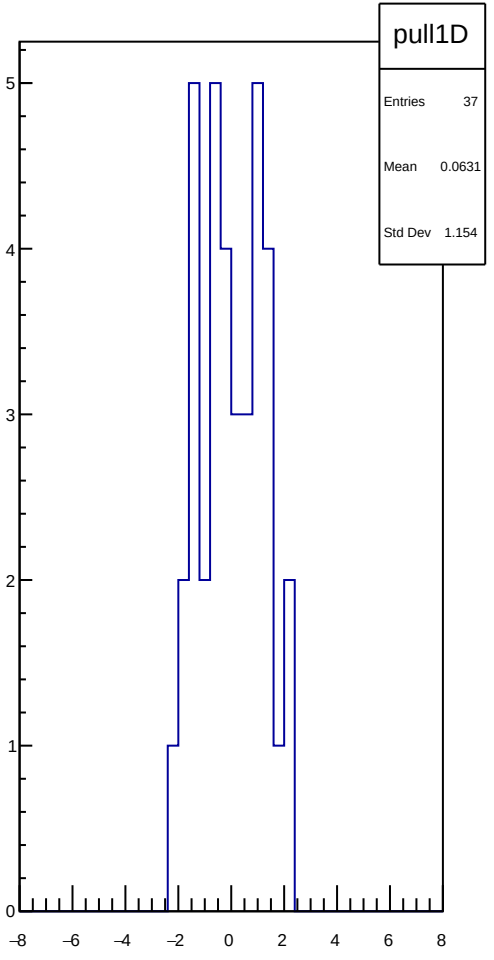

pull1D
Entries 37
Mean −0.02648
Std Dev 1.021
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

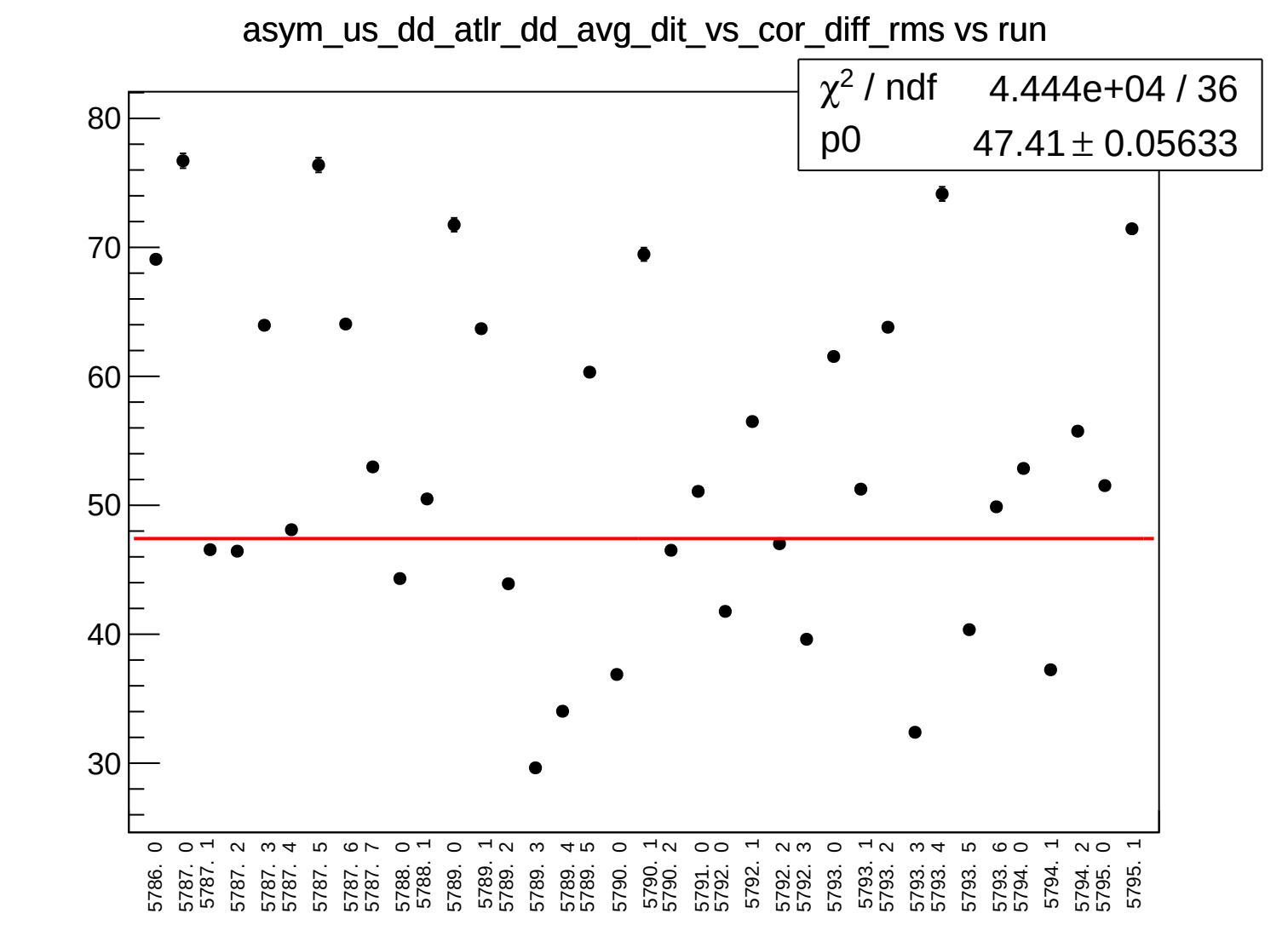

asym_us_dd_atlr_dd_avg_rms vs run
χ² / ndf 208.2 / 36
p0 2046 ± 2.358
2150
2100
2050
2000
1950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

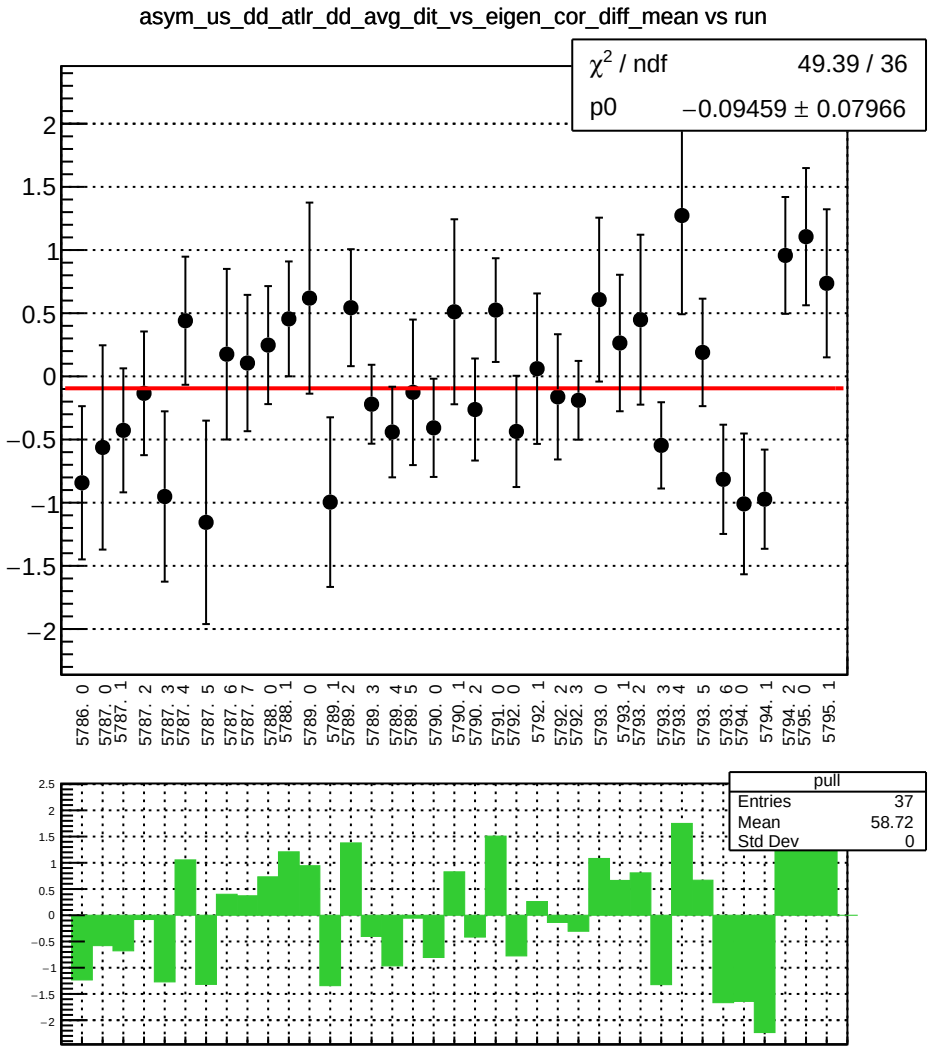

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 49.45 / 36
p0 2.825e−14 ± 7.871e−14
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 30.44
Std Dev 3.769
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.1082
Std Dev 1.151
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

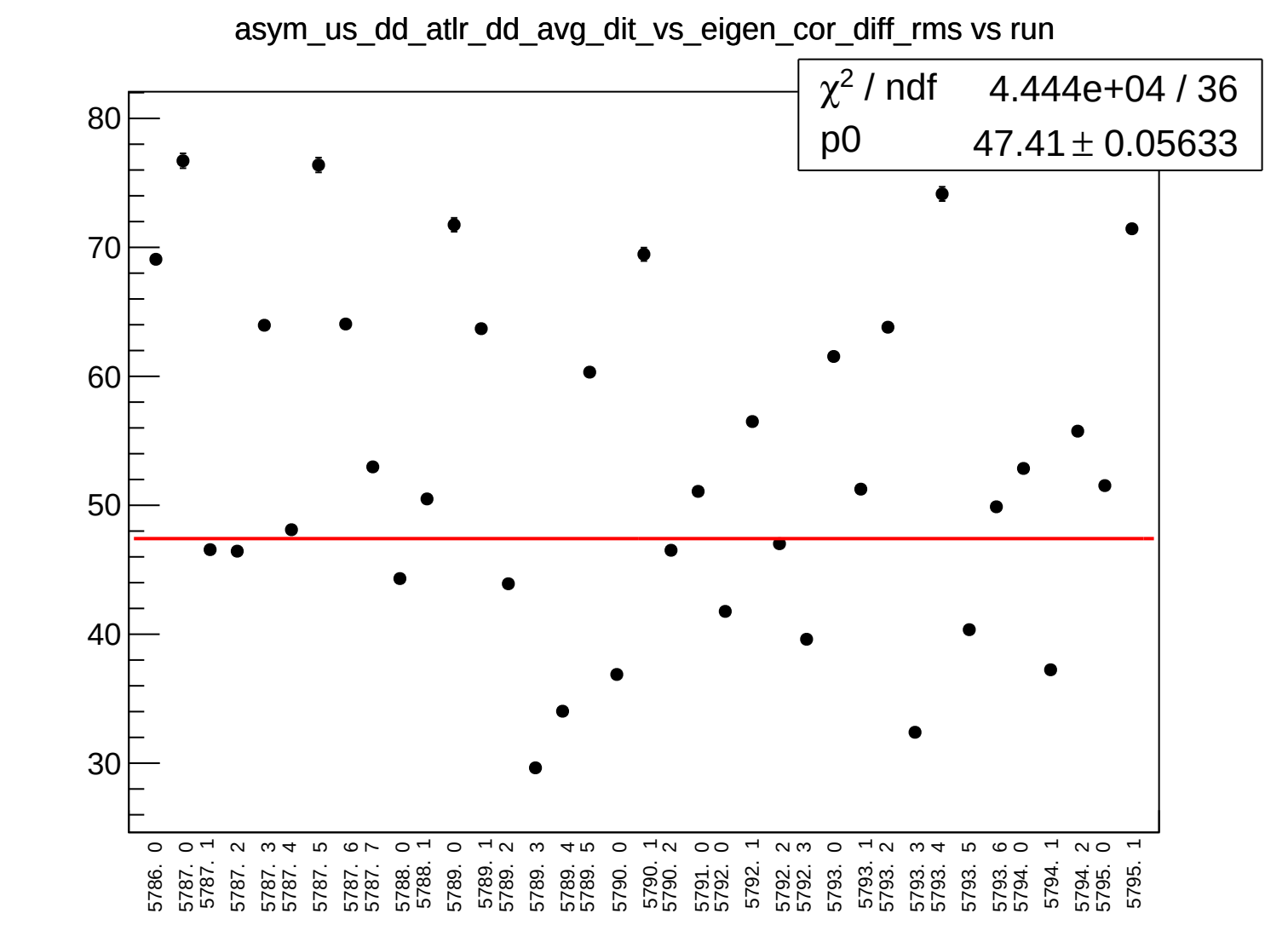

asym_us_dd_atlr_dd_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.942e+05 / 36
p0 2.832e−11 ± 5.566e−14
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

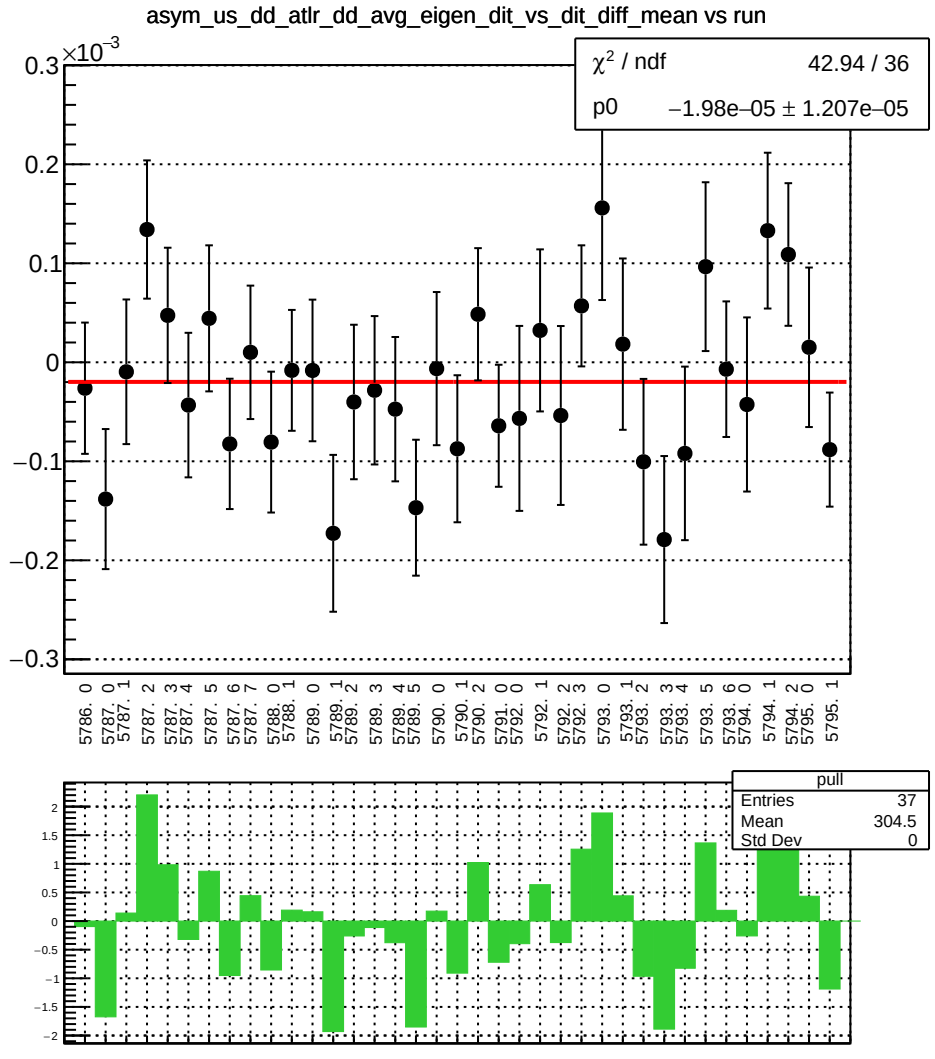

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.39 / 36
p0 −0.09459 ± 0.07966
pull
Entries 37
Mean 58.72
Std Dev 0

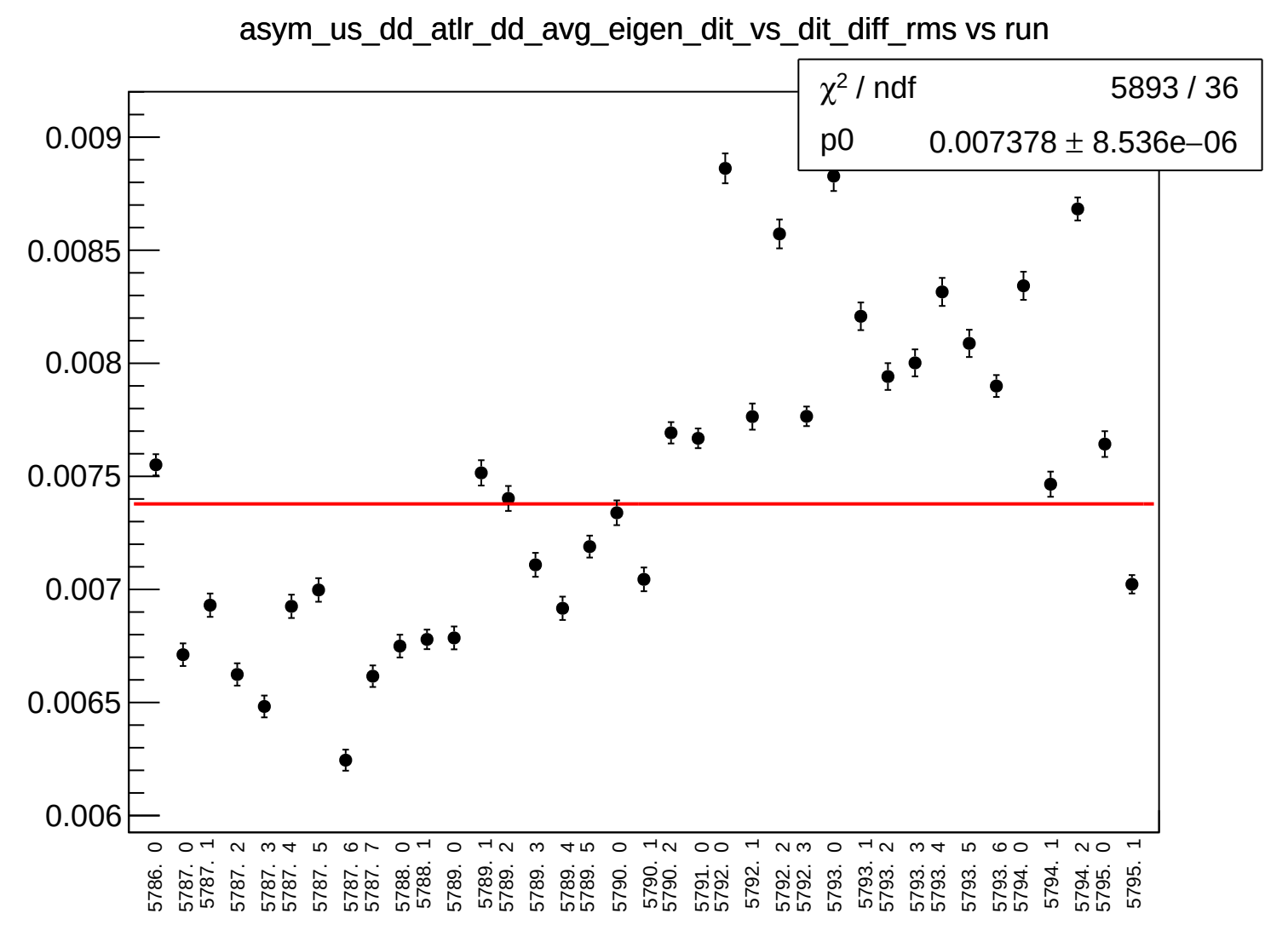

pull1D
Entries 37
Mean 0.0631
Std Dev 1.154

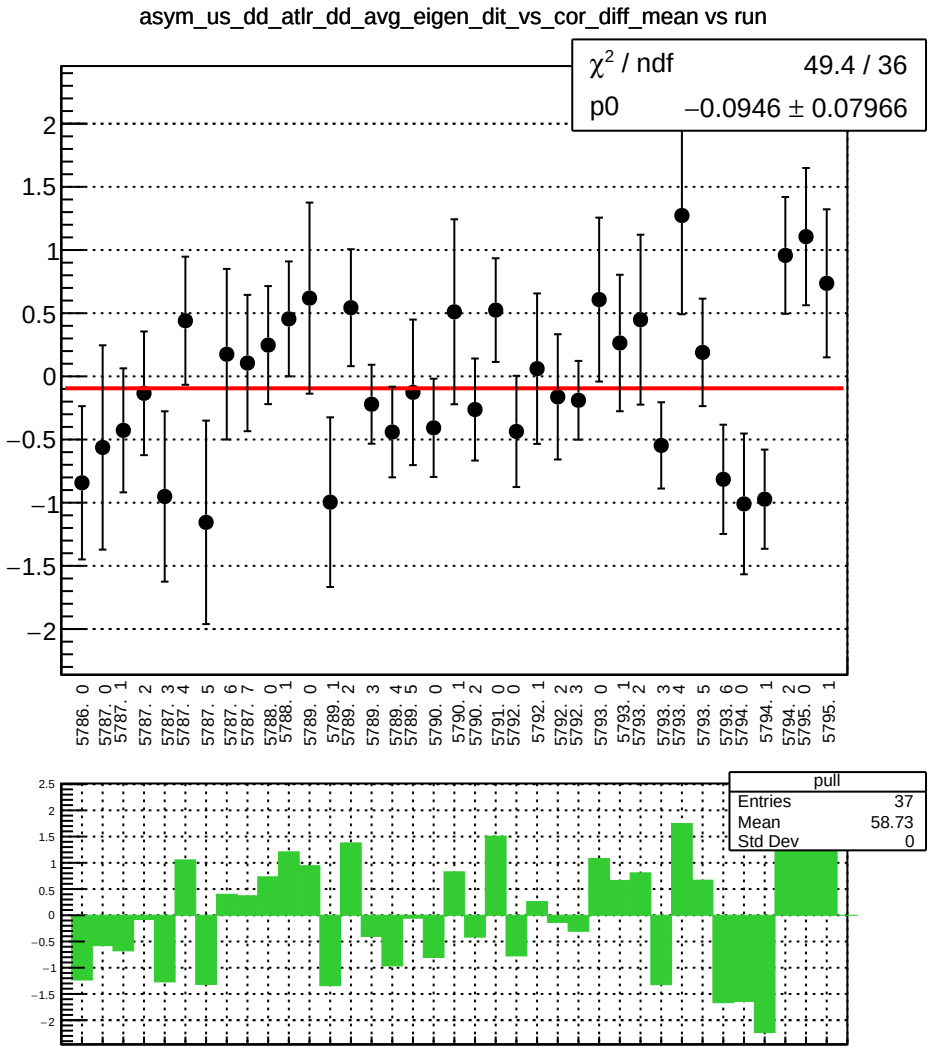

asym_us_dd_atlr_dd_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.444e+04 / 36
p0 47.41 ± 0.05633
80
70
60
50
40
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

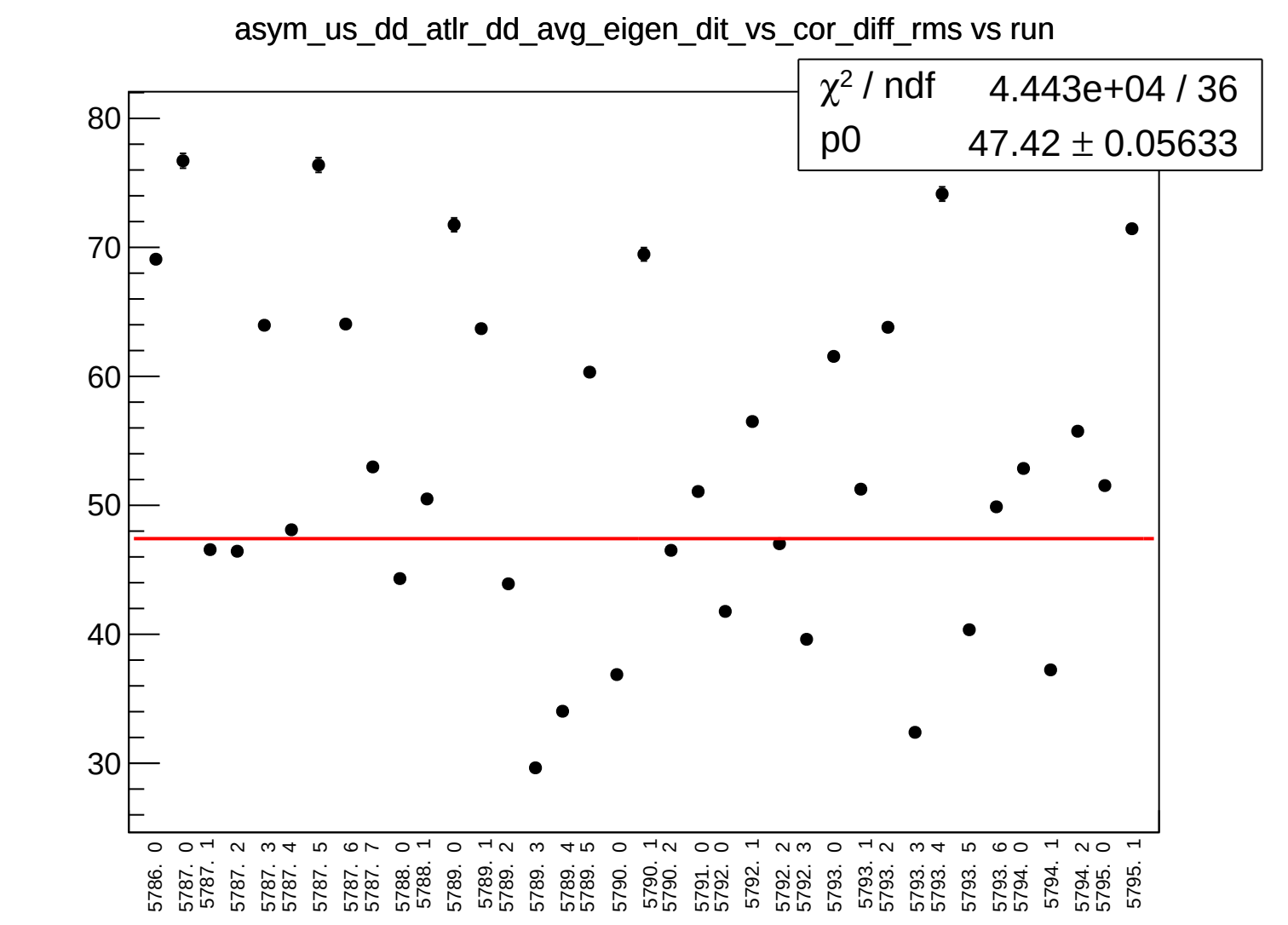

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.39 / 36
p0 −0.09459 ± 0.07966
pull
Entries 37
Mean 58.72
Std Dev 0
pull1D
Entries 37
Mean 0.0631
Std Dev 1.154

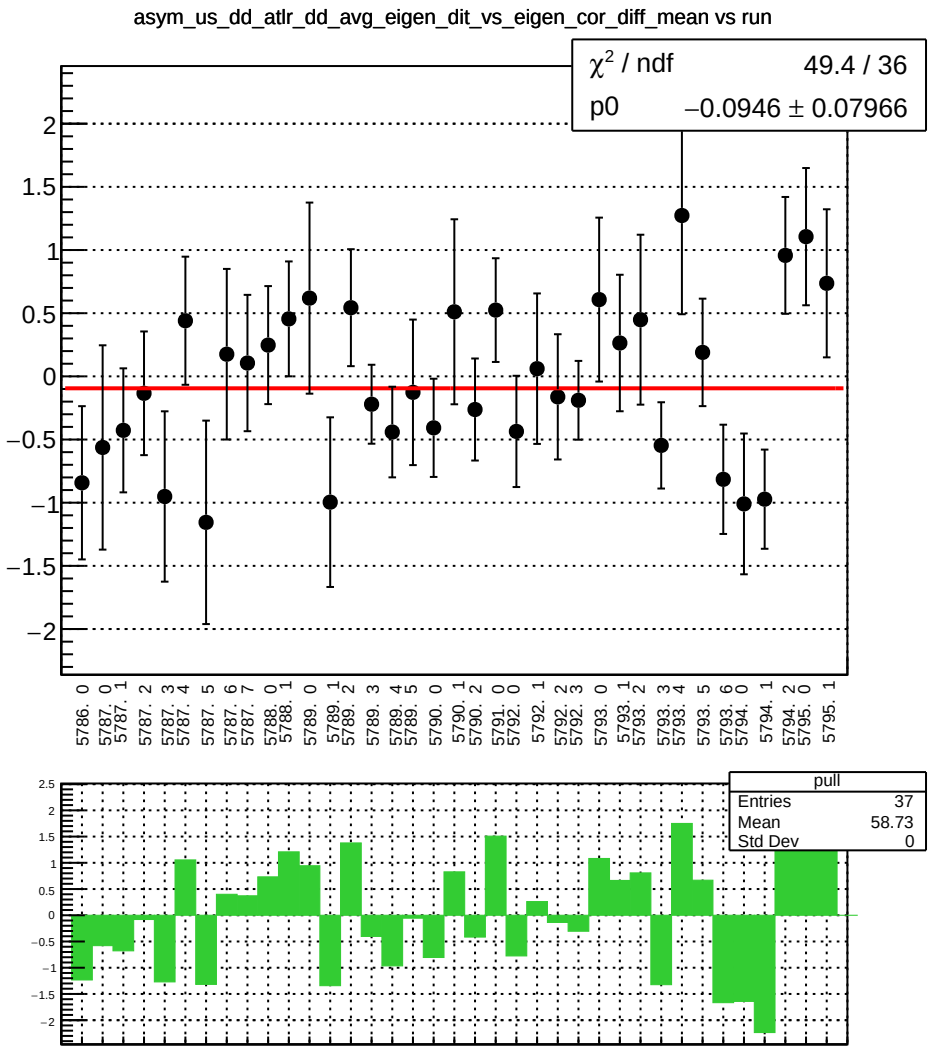

asym_us_dd_atlr_dd_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.444e+04 / 36
p0 47.41 ± 0.05633
80
70
60
50
40
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

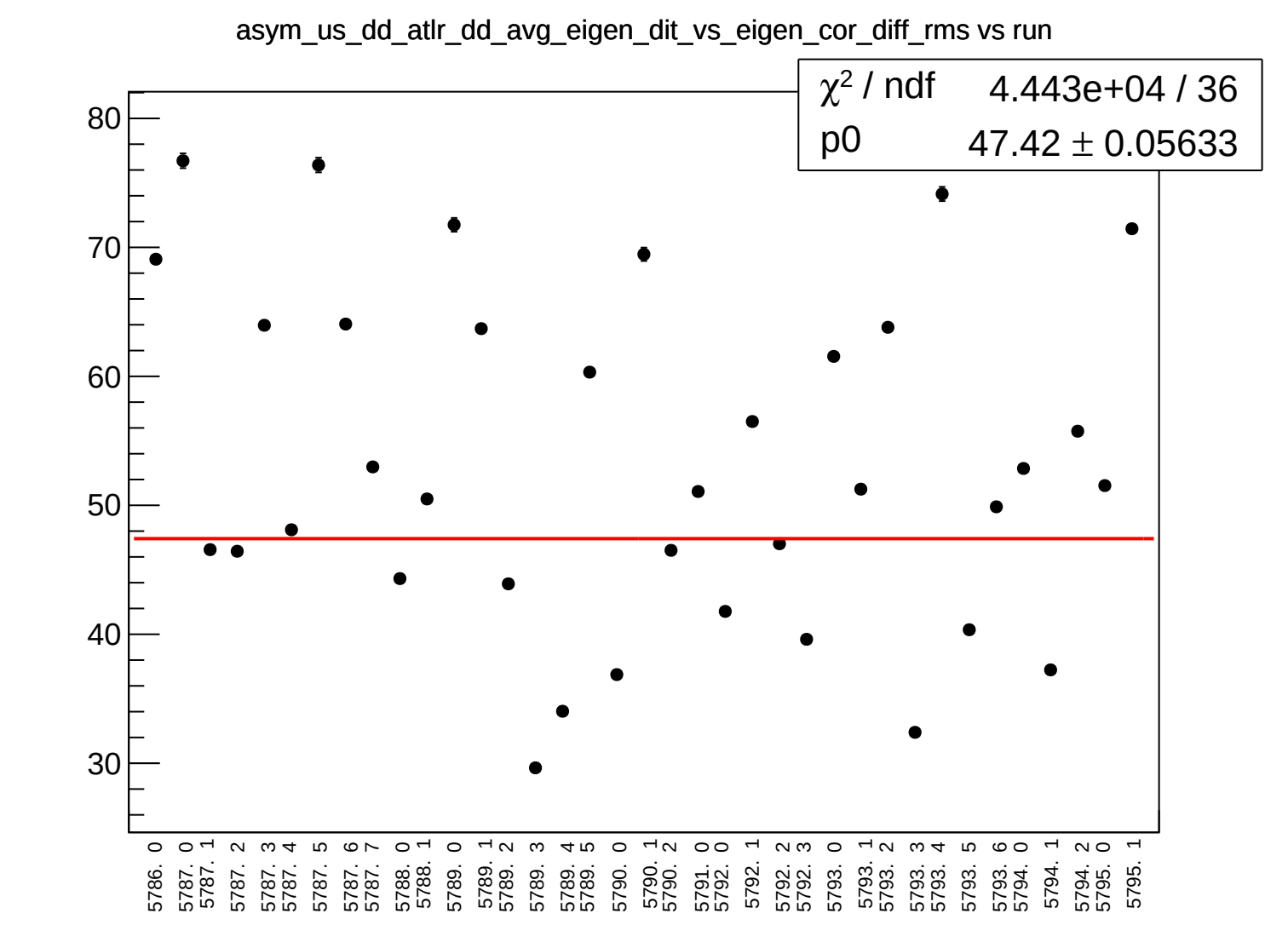

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.94 / 36
p0 −1.98e−05 ± 1.207e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 304.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004682
Std Dev 1.077
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

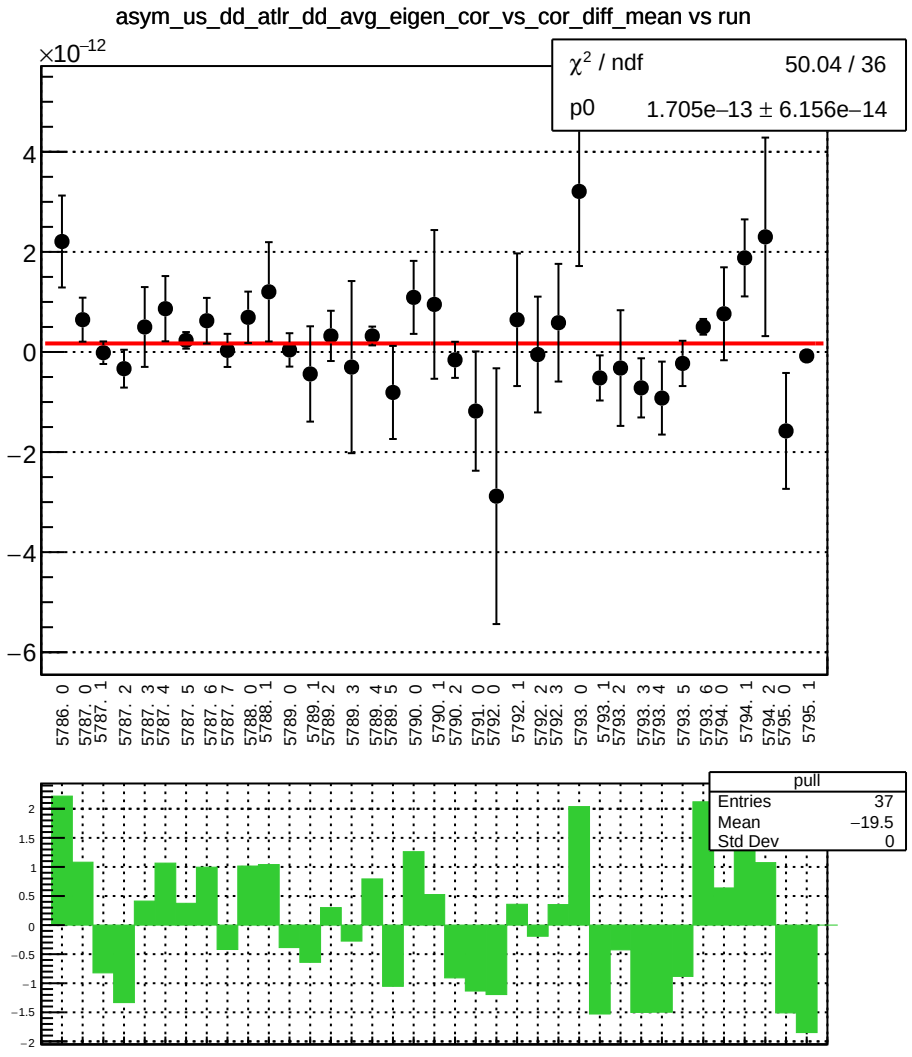

asym_us_dd_atlr_dd_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5893 / 36
p0 0.007378 ± 8.536e−06
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

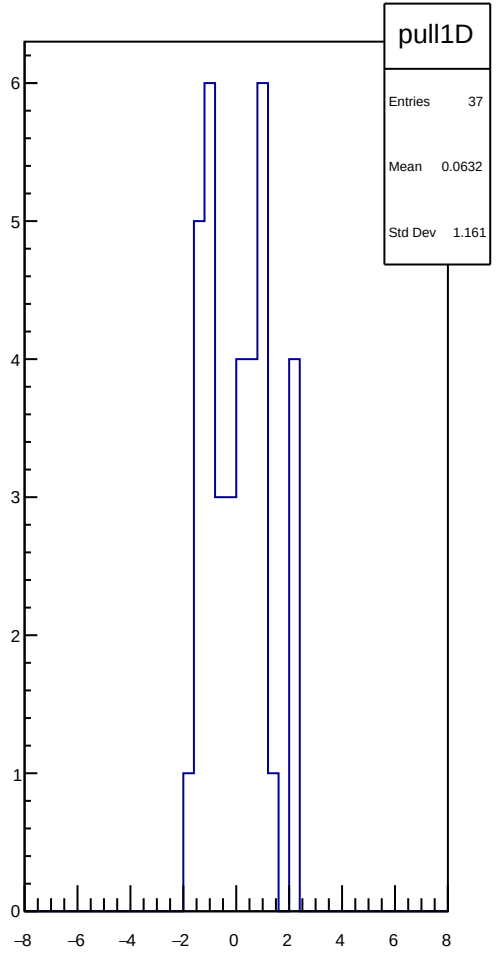

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.4 / 36
p0 −0.0946 ± 0.07966
pull
Entries 37
Mean 58.73
Std Dev 0
pull1D
Entries 37
Mean 0.06308
Std Dev 1.154

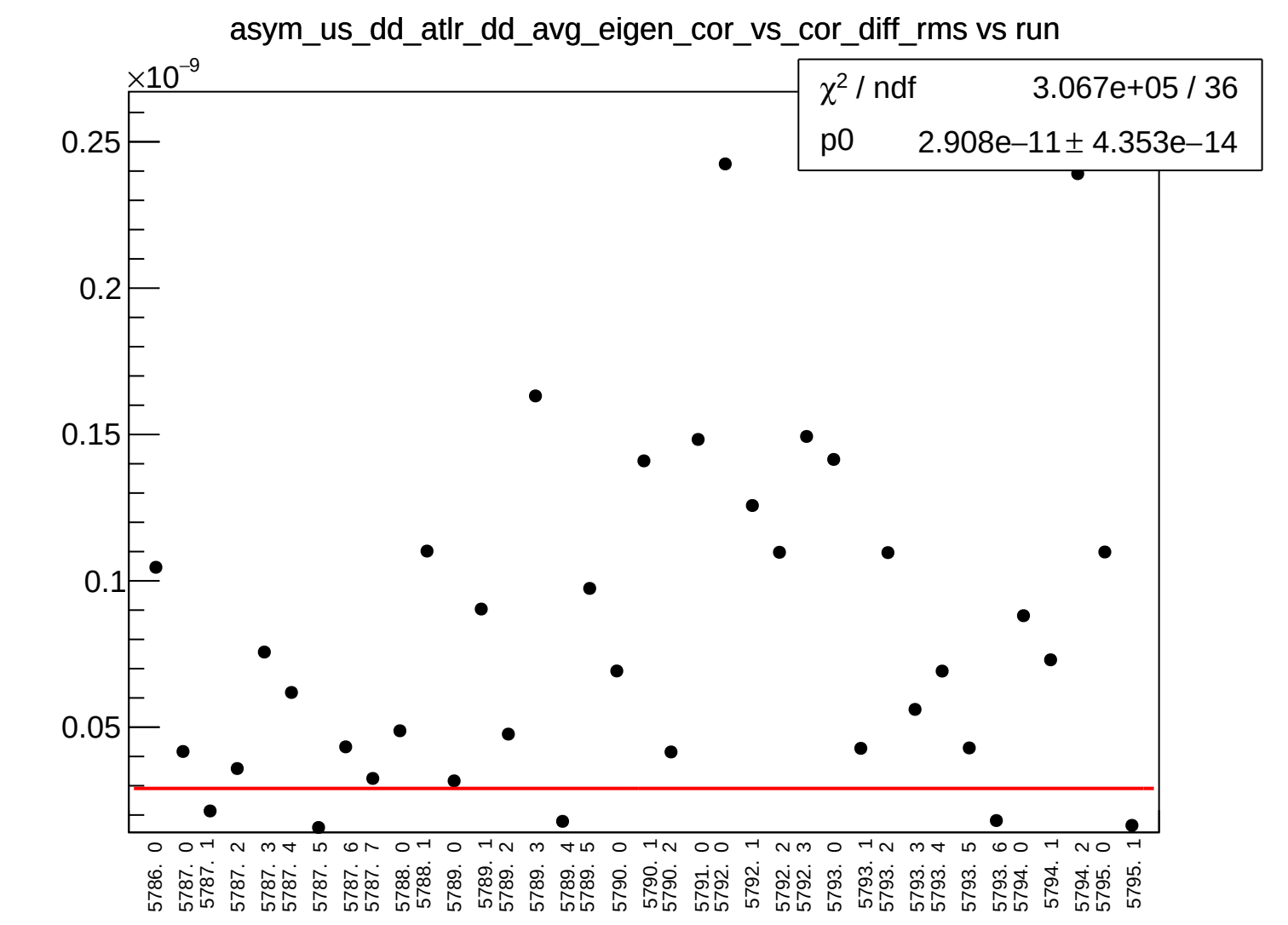

asym_us_dd_atlr_dd_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.443e+04 / 36
p0 47.42 ± 0.05633
80
70
60
50
40
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

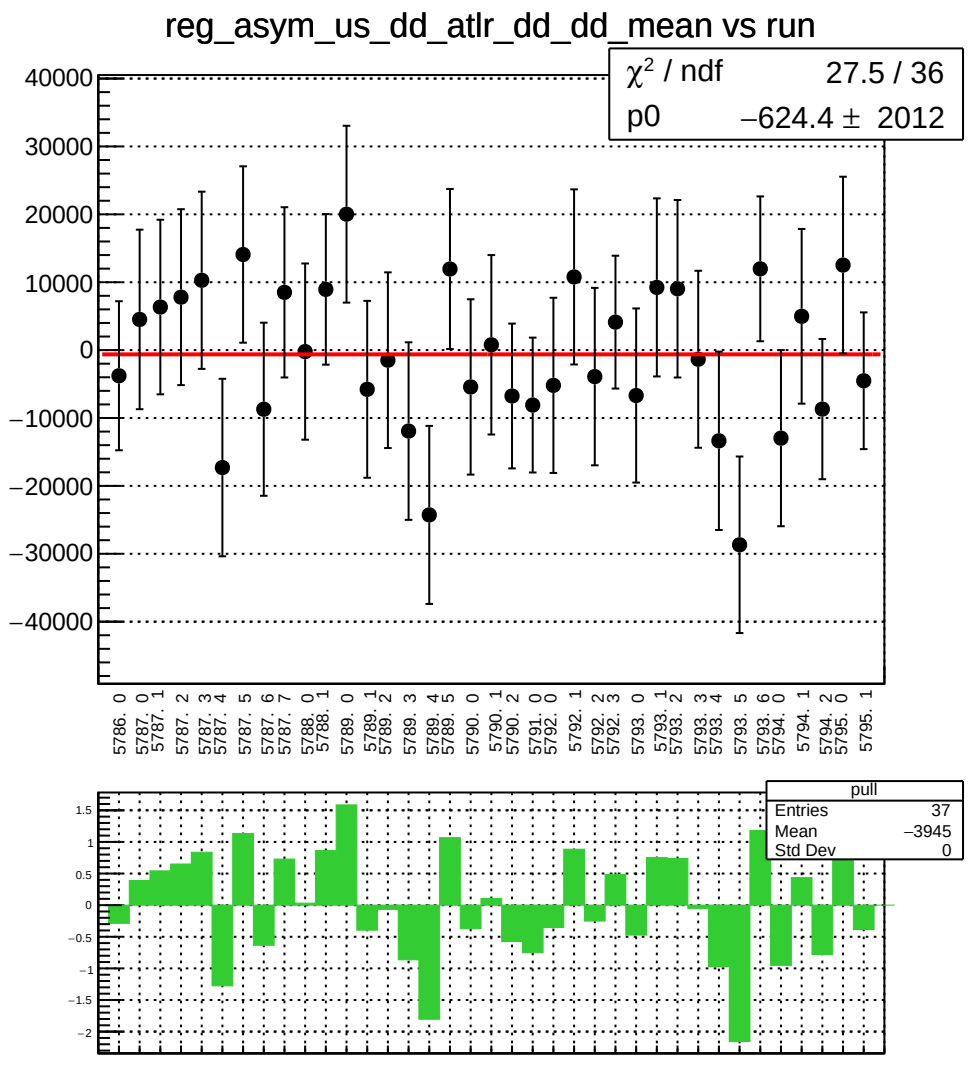

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.4 / 36
p0 −0.0946 ± 0.07966
pull
Entries 37
Mean 58.73
Std Dev 0
pull1D
Entries 37
Mean 0.06308
Std Dev 1.154

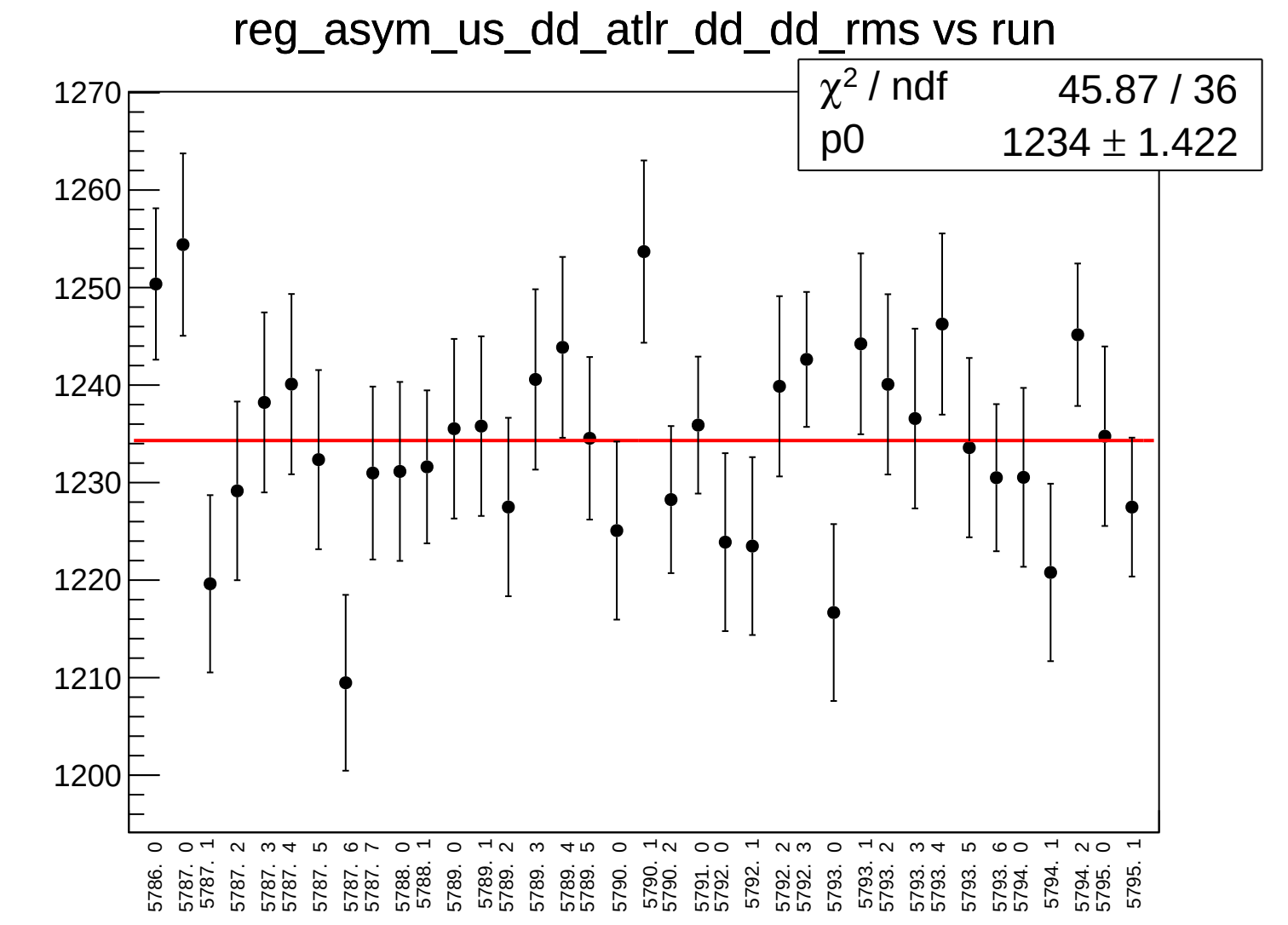

asym_us_dd_atlr_dd_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.443e+04 / 36
p0 47.42 ± 0.05633
80
70
60
50
40
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

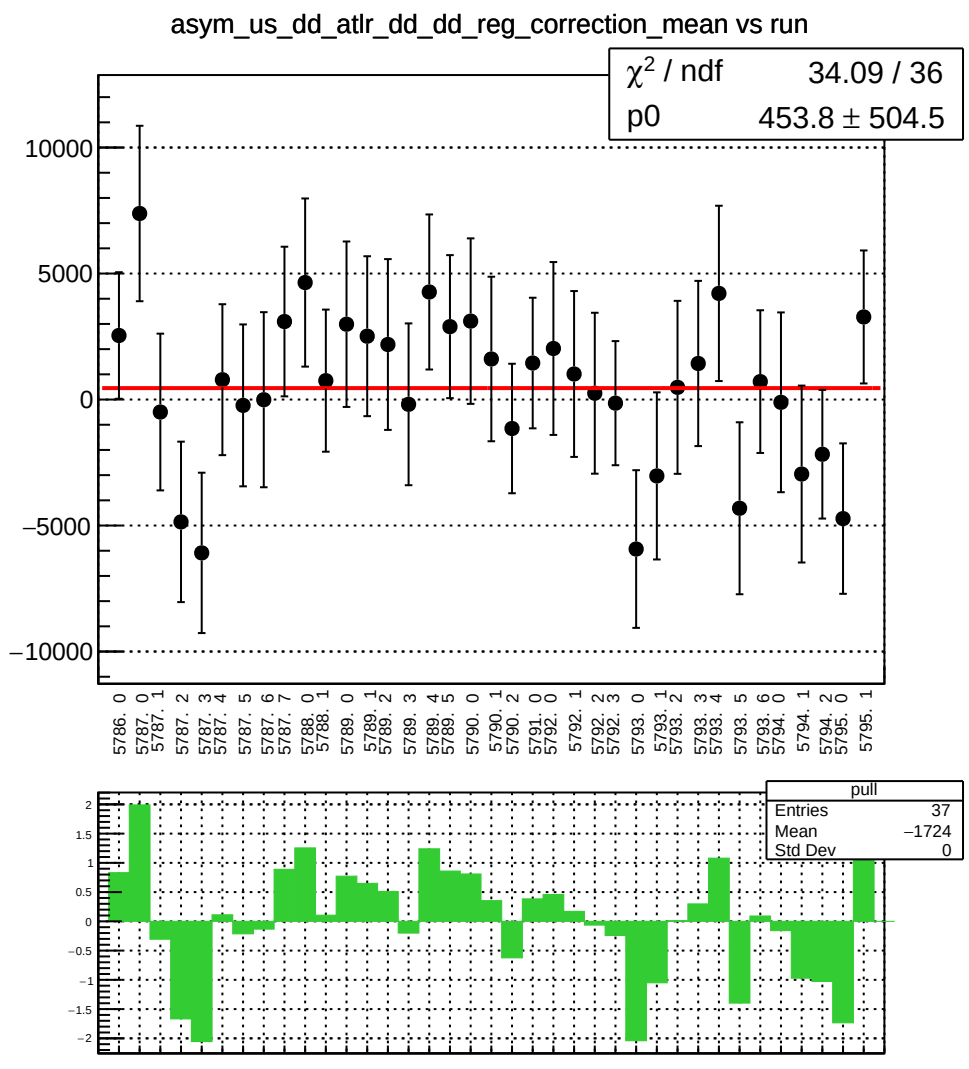

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.04 / 36
p0 1.705e−13 ± 6.156e−14
pull
Entries 37
Mean −19.5
Std Dev 0

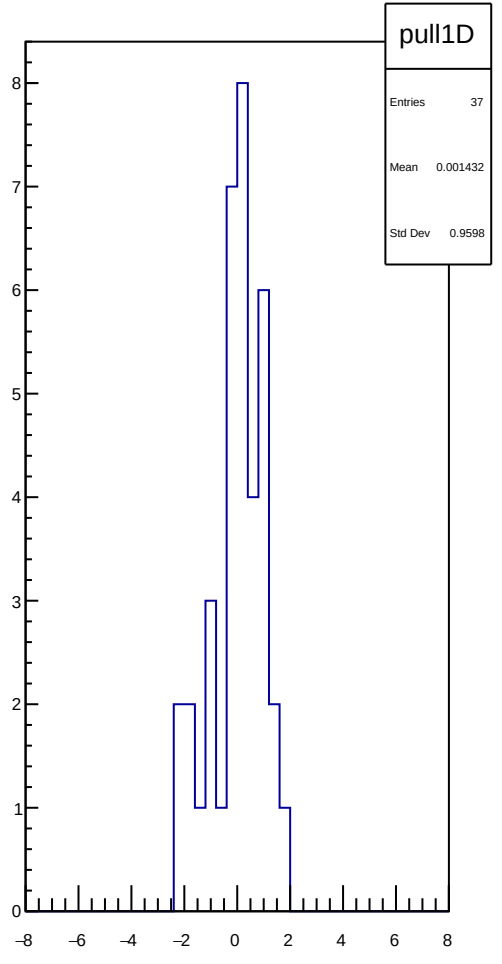

pull1D
Entries 37
Mean 0.0632
Std Dev 1.161

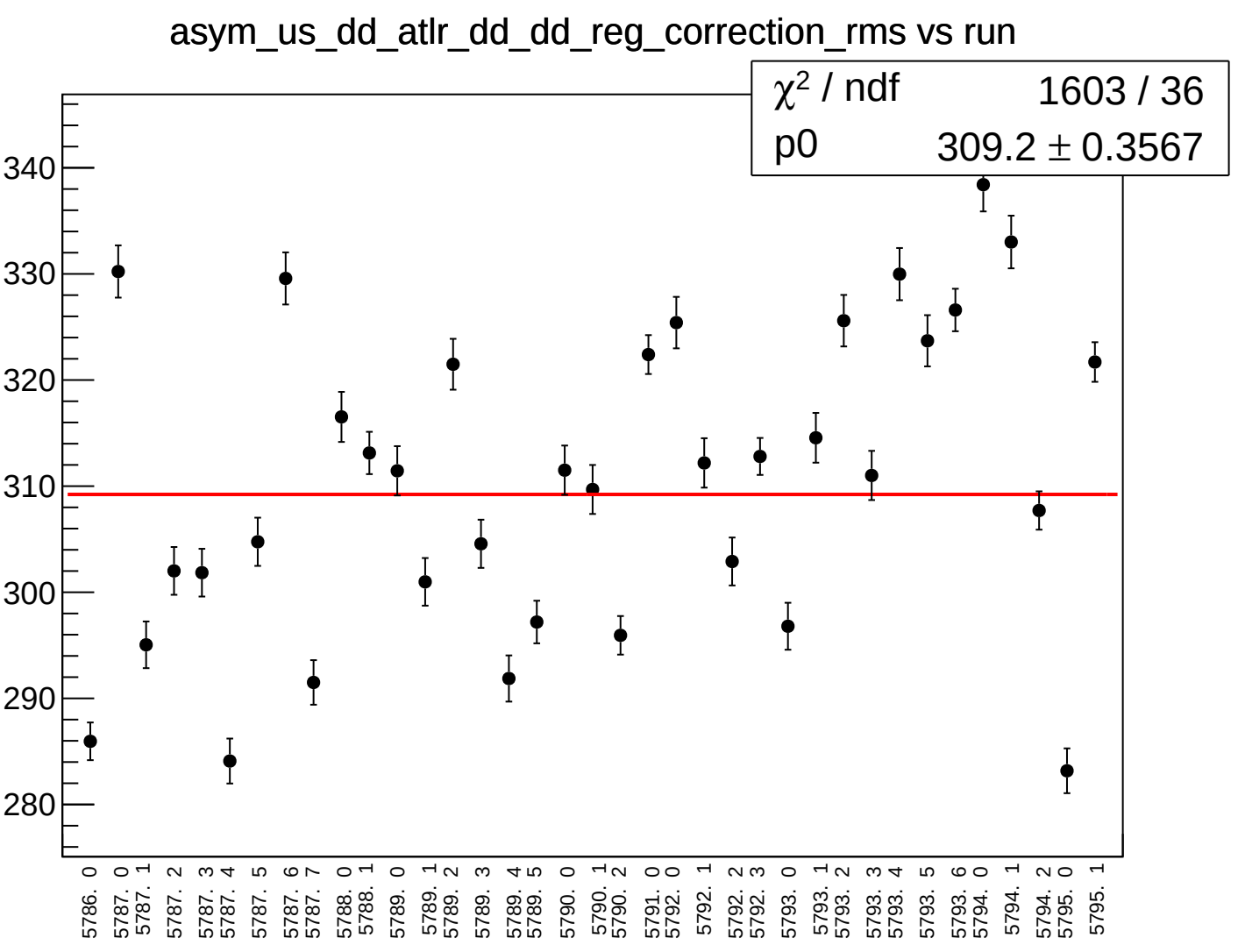

asym_us_dd_atlr_dd_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.067e+05 / 36
p0 2.908e−11 ± 4.353e−14
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

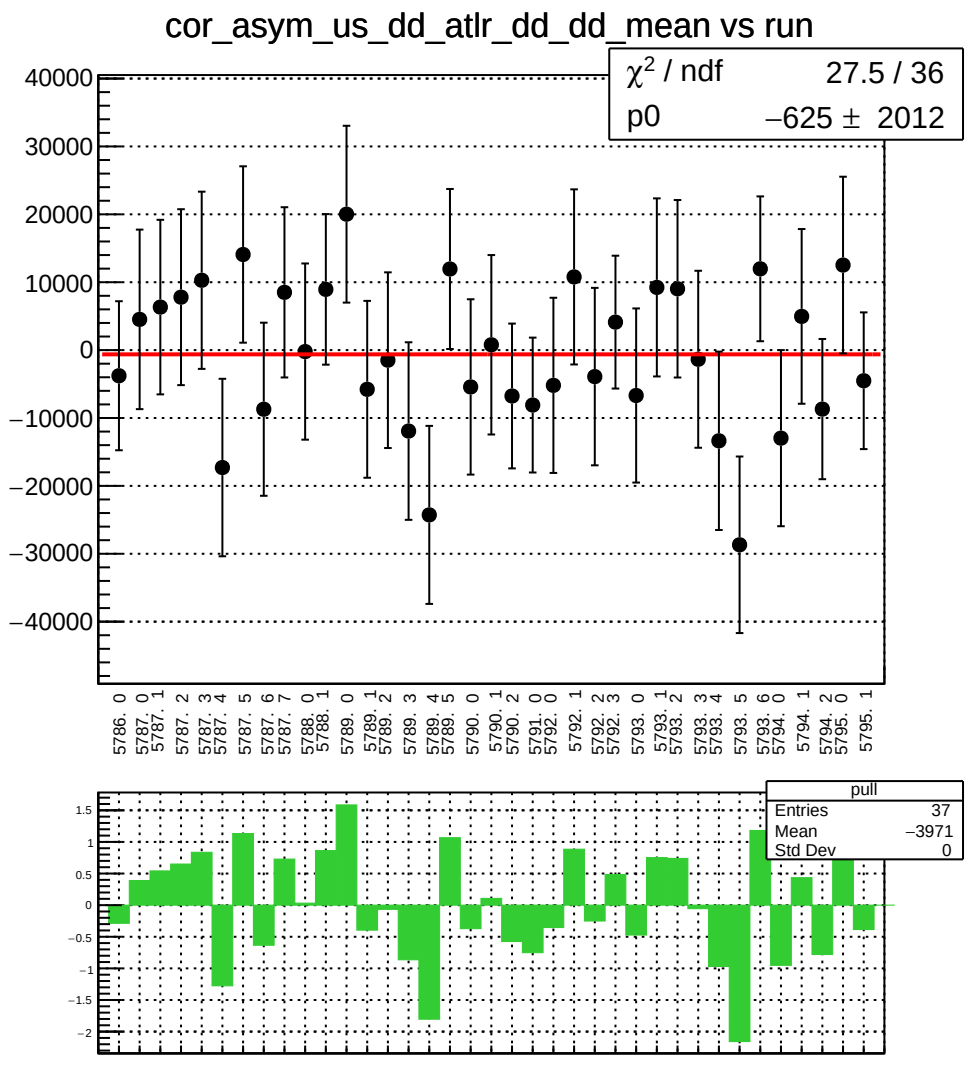

reg_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 27.5 / 36
p0 −624.4 ± 2012
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3945
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.000387
Std Dev 0.8621
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

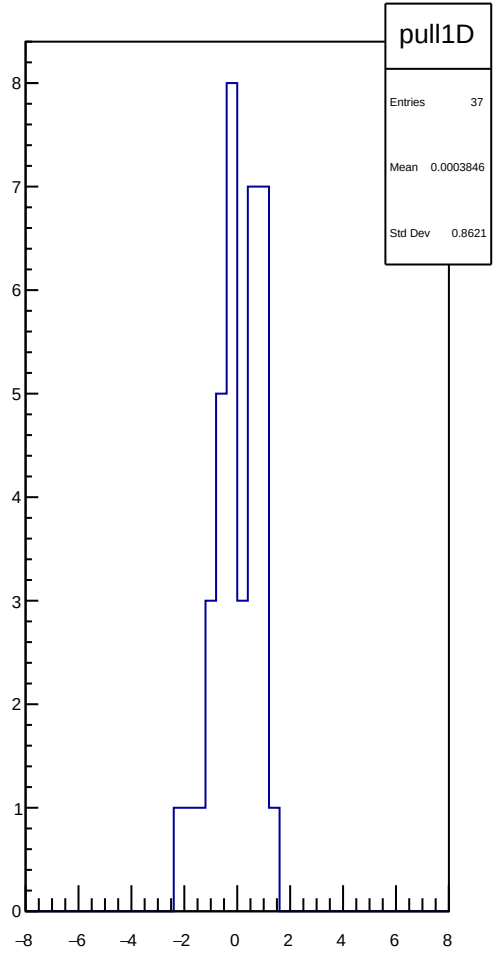

reg_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.87 / 36
p0 1234 ± 1.422
1270
1260
1250
1240
1230
1220
1210
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

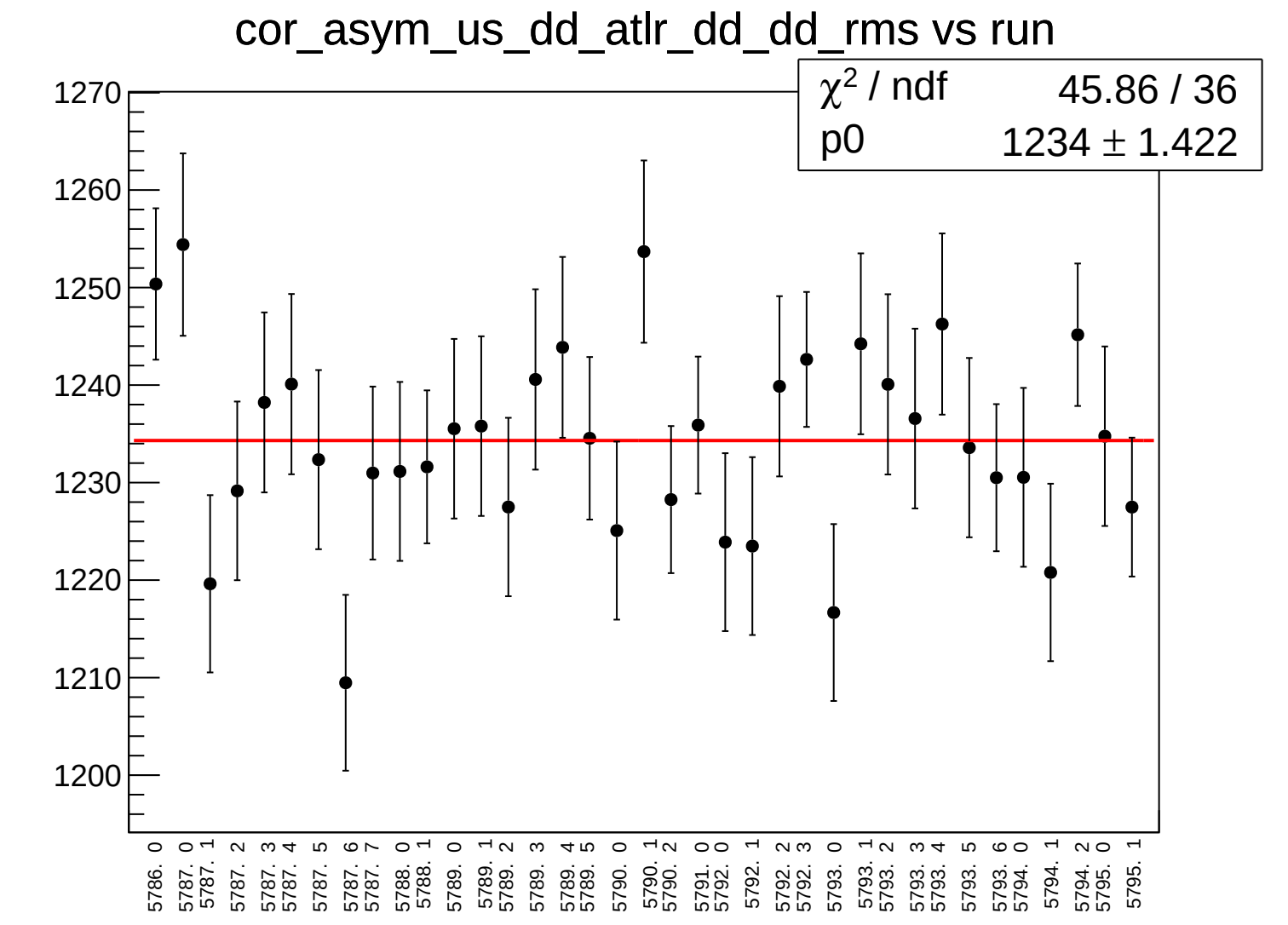

asym_us_dd_atlr_dd_dd_reg_correction_mean vs run
χ² / ndf 34.09 / 36
p0 453.8 ± 504.5
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1724
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

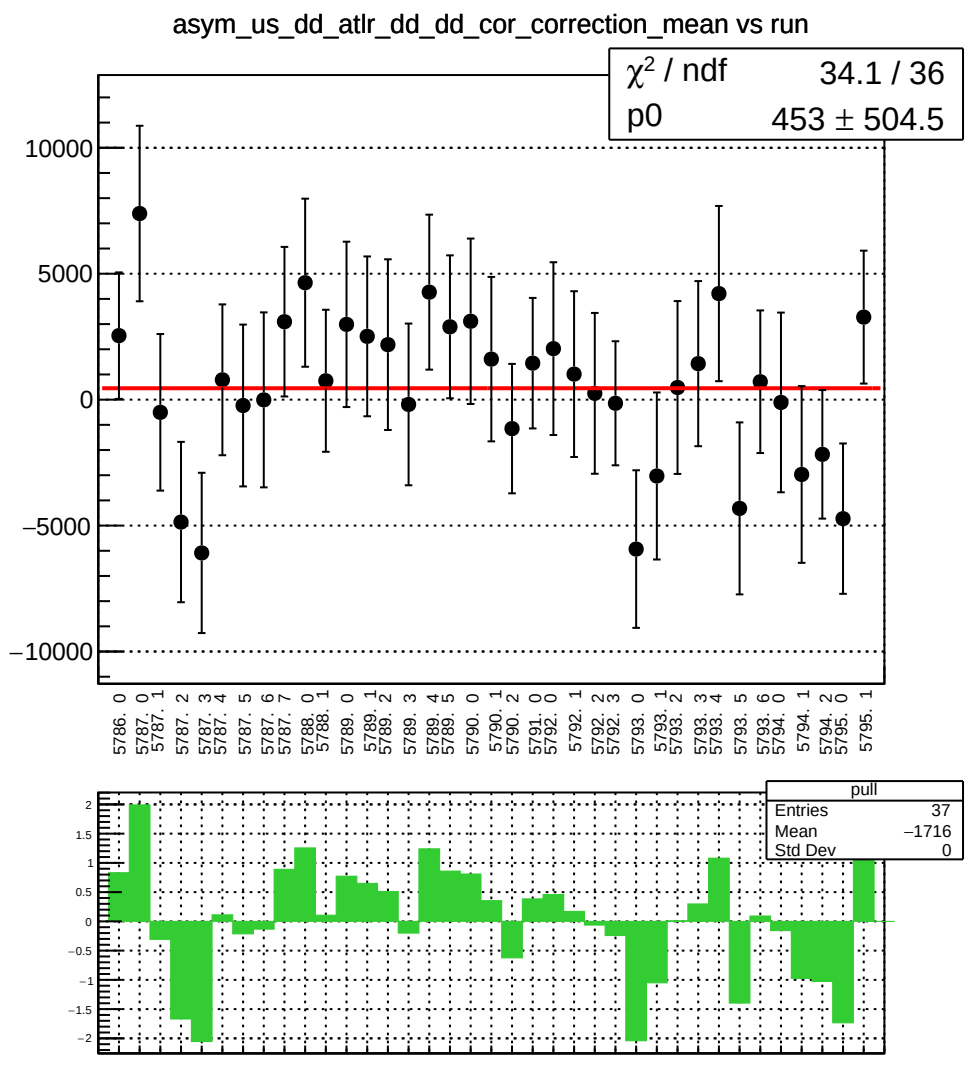

pull1D
Entries 37
Mean 0.001432
Std Dev 0.9598
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

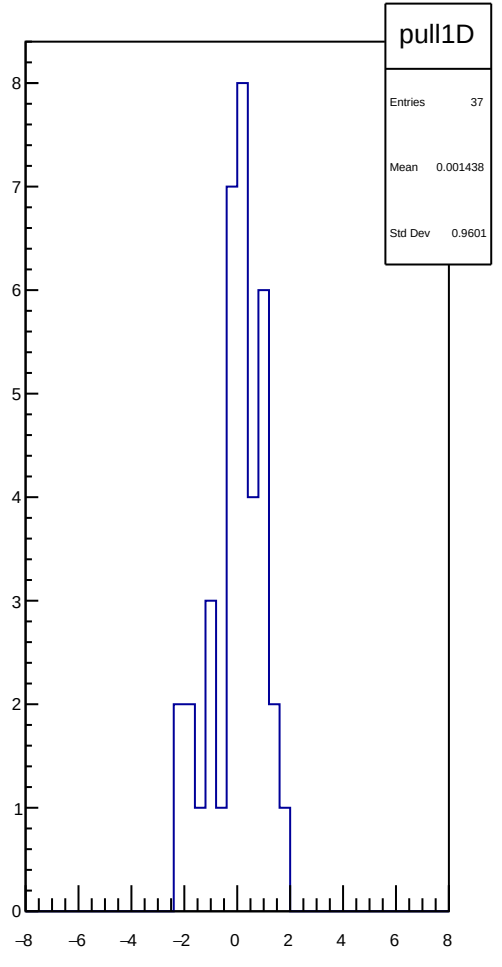

asym_us_dd_atlr_dd_dd_reg_correction_rms vs run
χ² / ndf 1603 / 36
p0 309.2 ± 0.3567
340
330
320
310
300
290
280
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

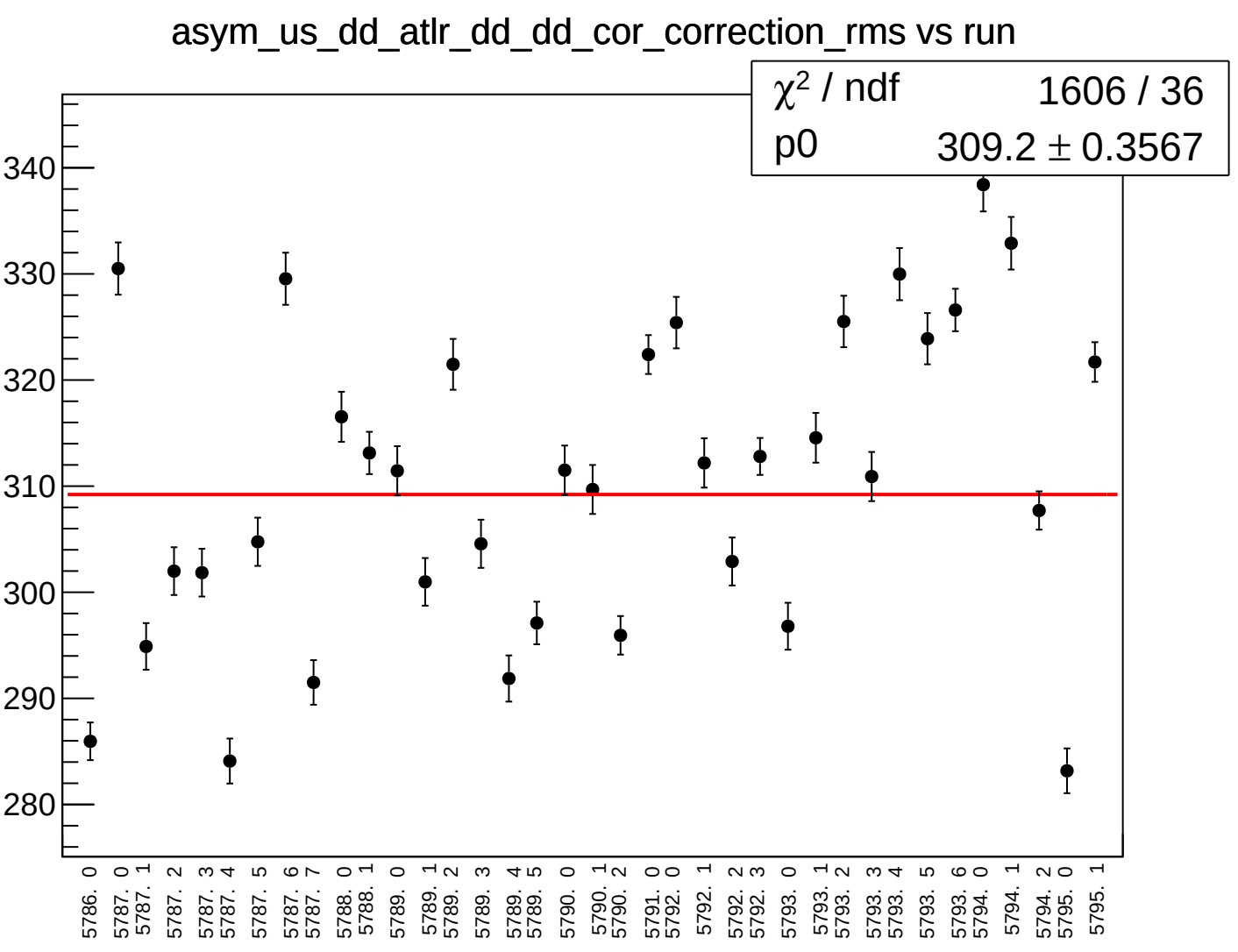

cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 27.5 / 36
p0 −625 ± 2012
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3971
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

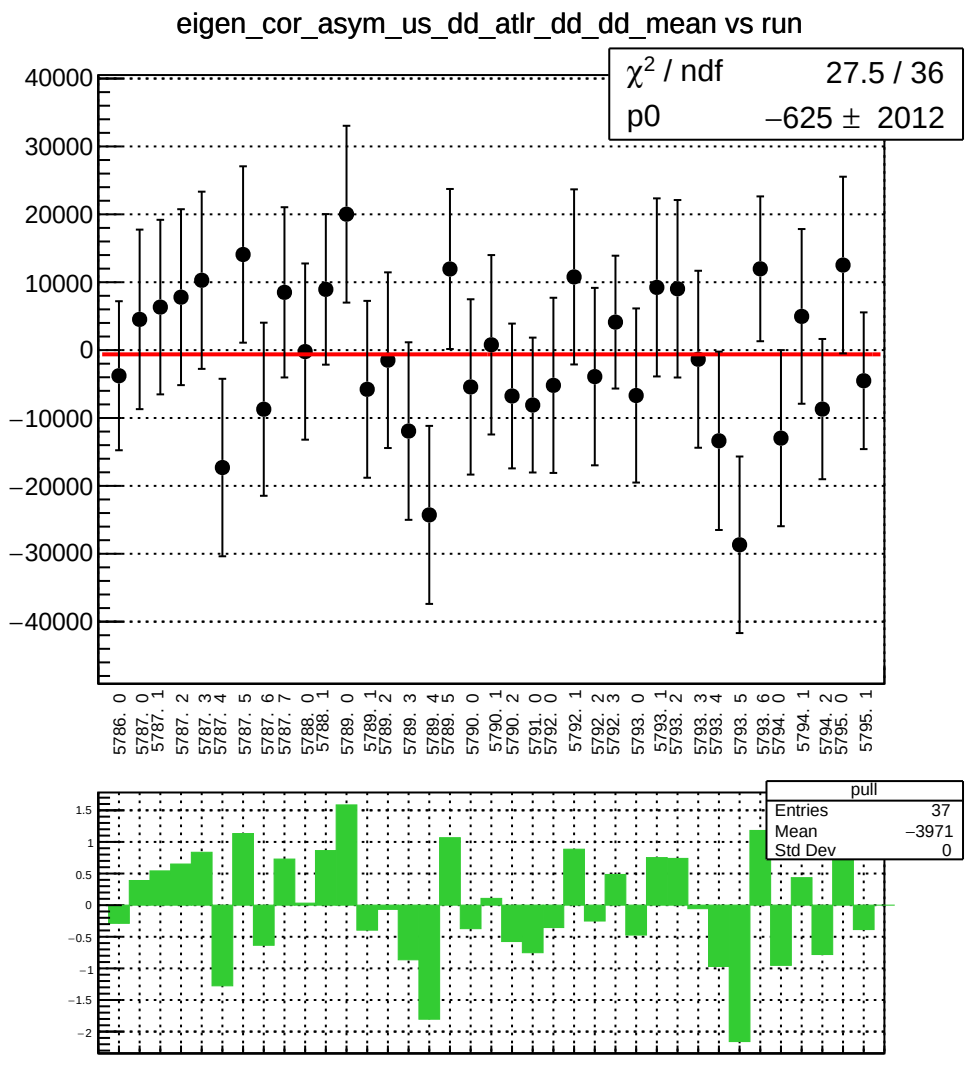

pull1D
Entries 37
Mean 0.0003846
Std Dev 0.8621
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

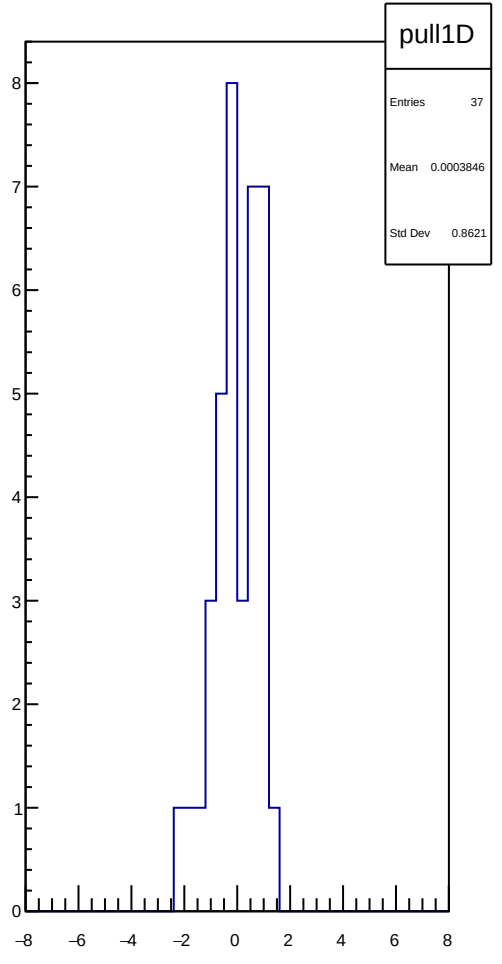

cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.86 / 36
p0 1234 ± 1.422
1270
1260
1250
1240
1230
1220
1210
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

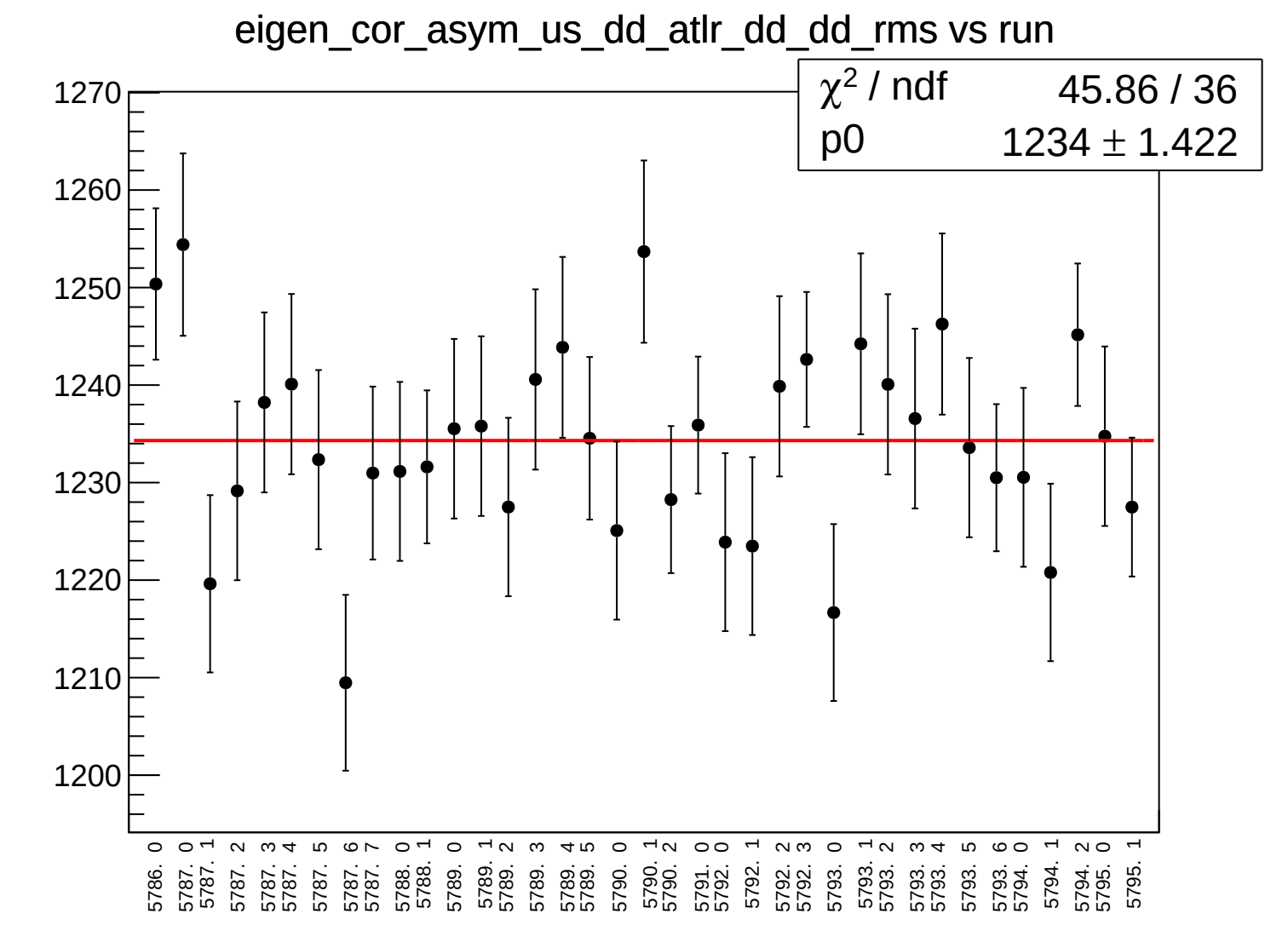

asym_us_dd_atlr_dd_dd_cor_correction_mean vs run
χ² / ndf 34.1 / 36
p0 453 ± 504.5
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1716
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

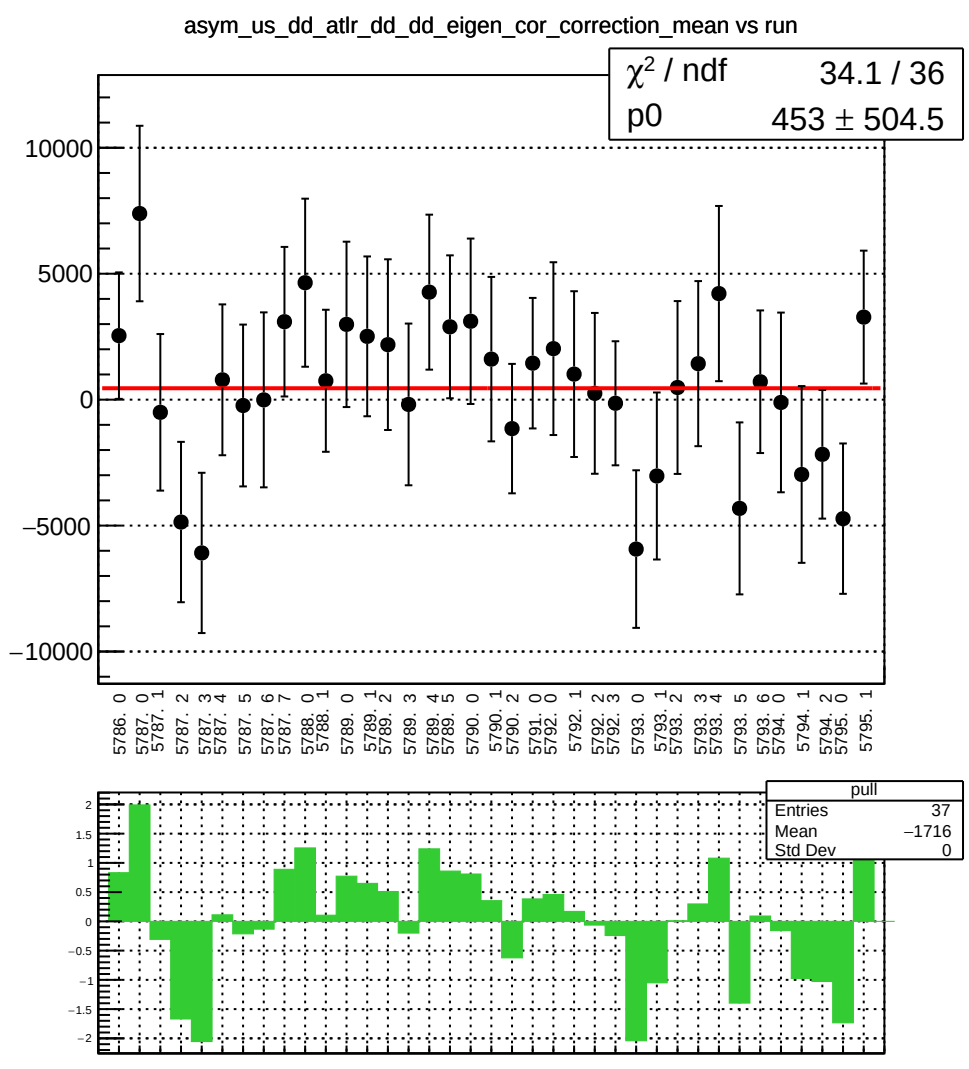

pull1D
Entries 37
Mean 0.001438
Std Dev 0.9601
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

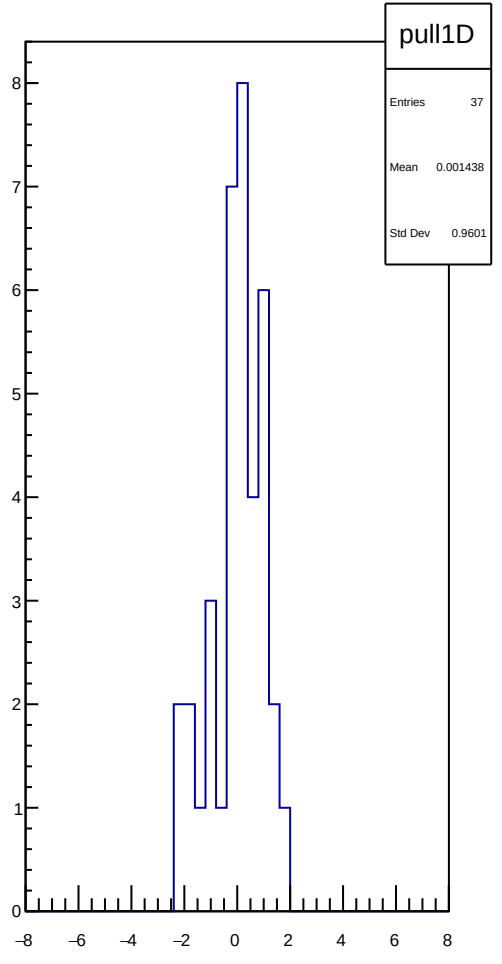

asym_us_dd_atlr_dd_dd_cor_correction_rms vs run
χ² / ndf 1606 / 36
p0 309.2 ± 0.3567
340
330
320
310
300
290
280
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

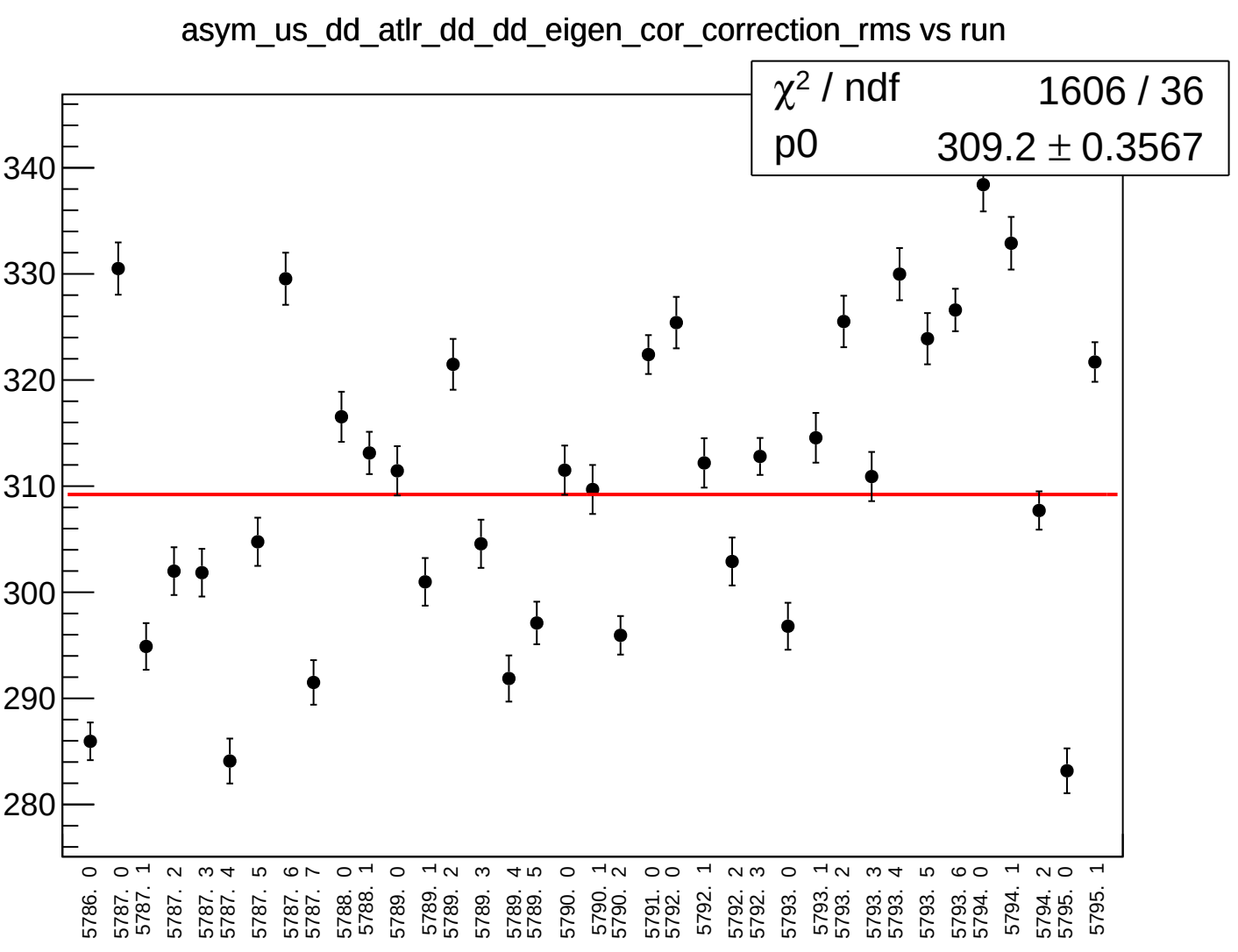

eigen_cor_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 27.5 / 36
p0 −625 ± 2012
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3971
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

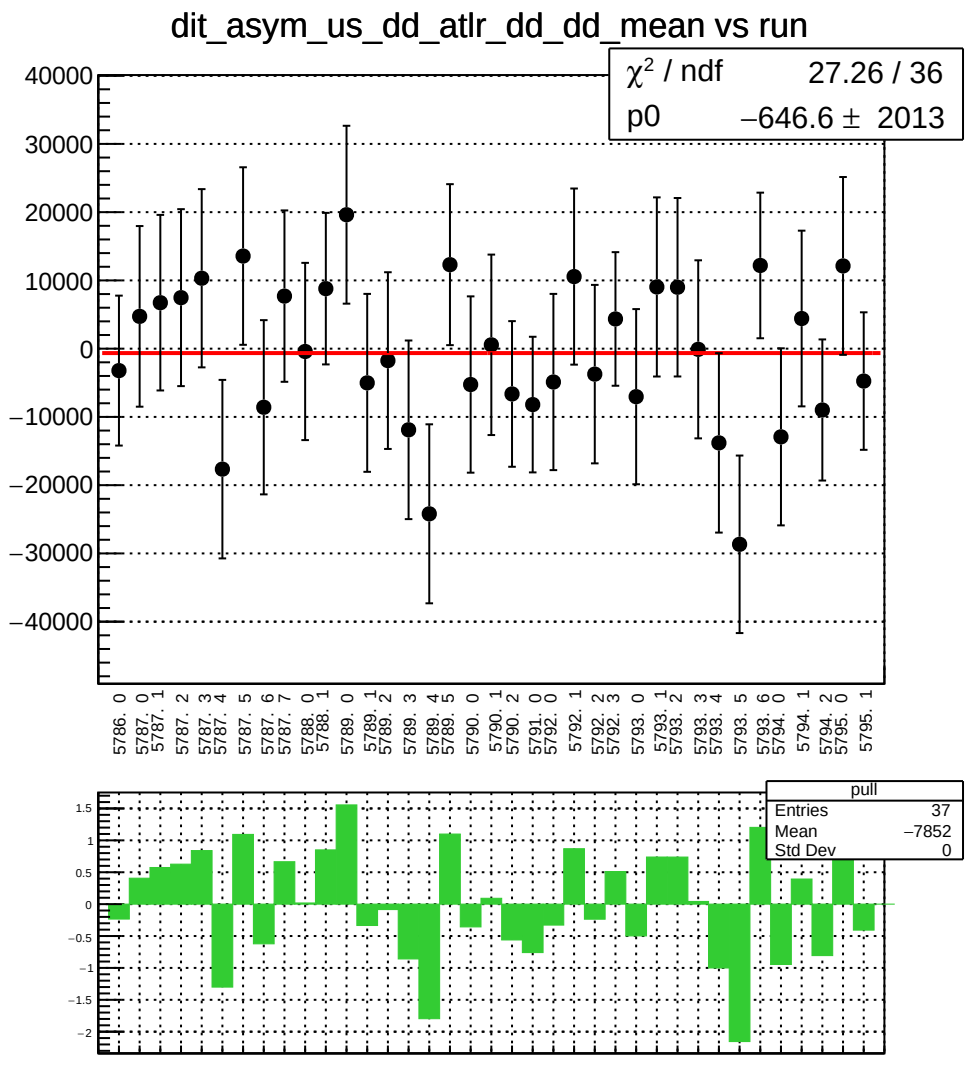

pull1D
Entries 37
Mean 0.0003846
Std Dev 0.8621
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

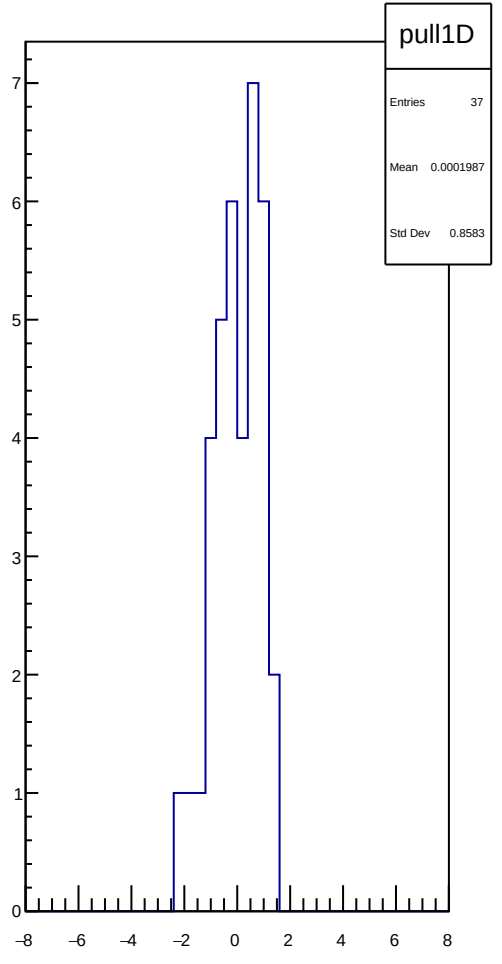

eigen_cor_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.86 / 36
p0 1234 ± 1.422
1270
1260
1250
1240
1230
1220
1210
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

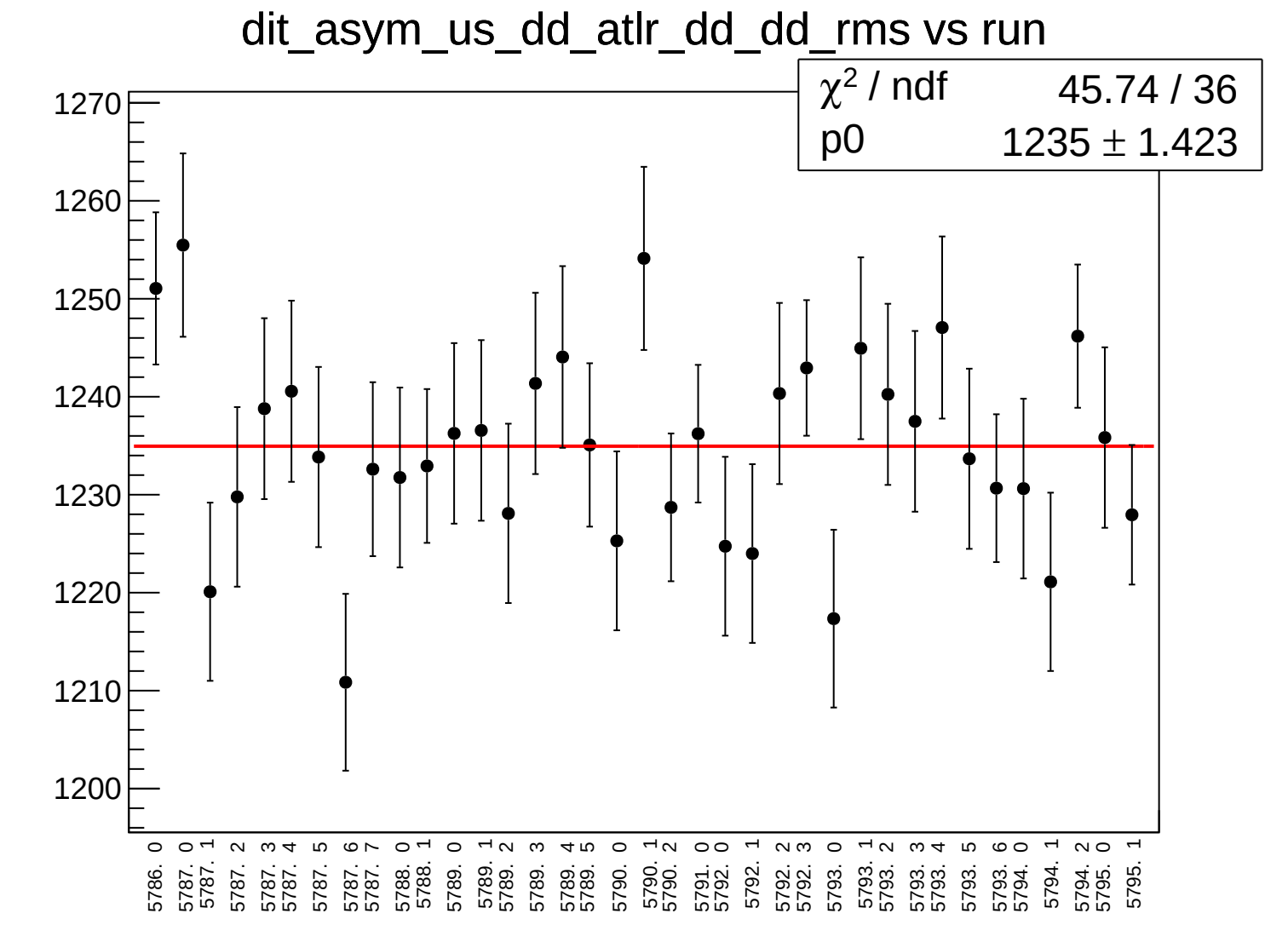

asym_us_dd_atlr_dd_dd_eigen_cor_correction_mean vs run
χ² / ndf 34.1 / 36
p0 453 ± 504.5
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1716
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

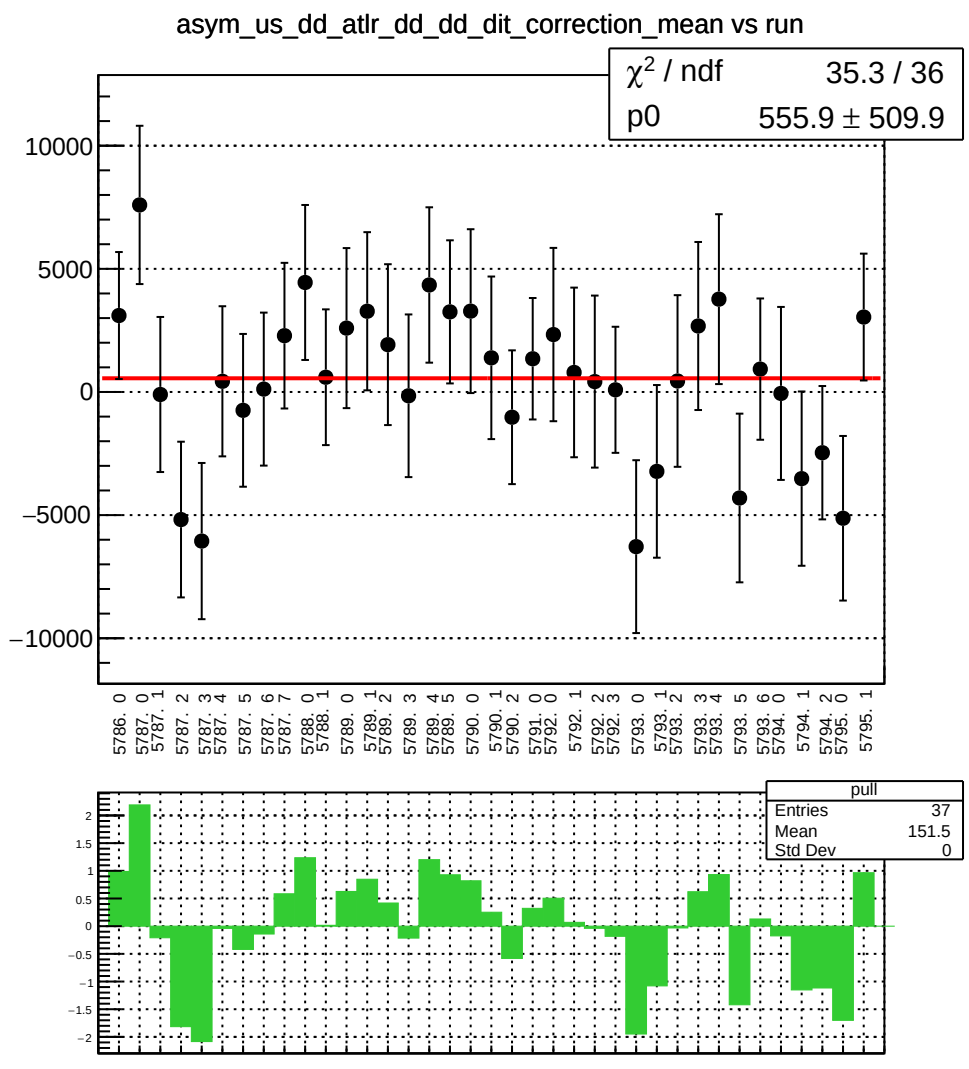

pull1D
Entries 37
Mean 0.001438
Std Dev 0.9601
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

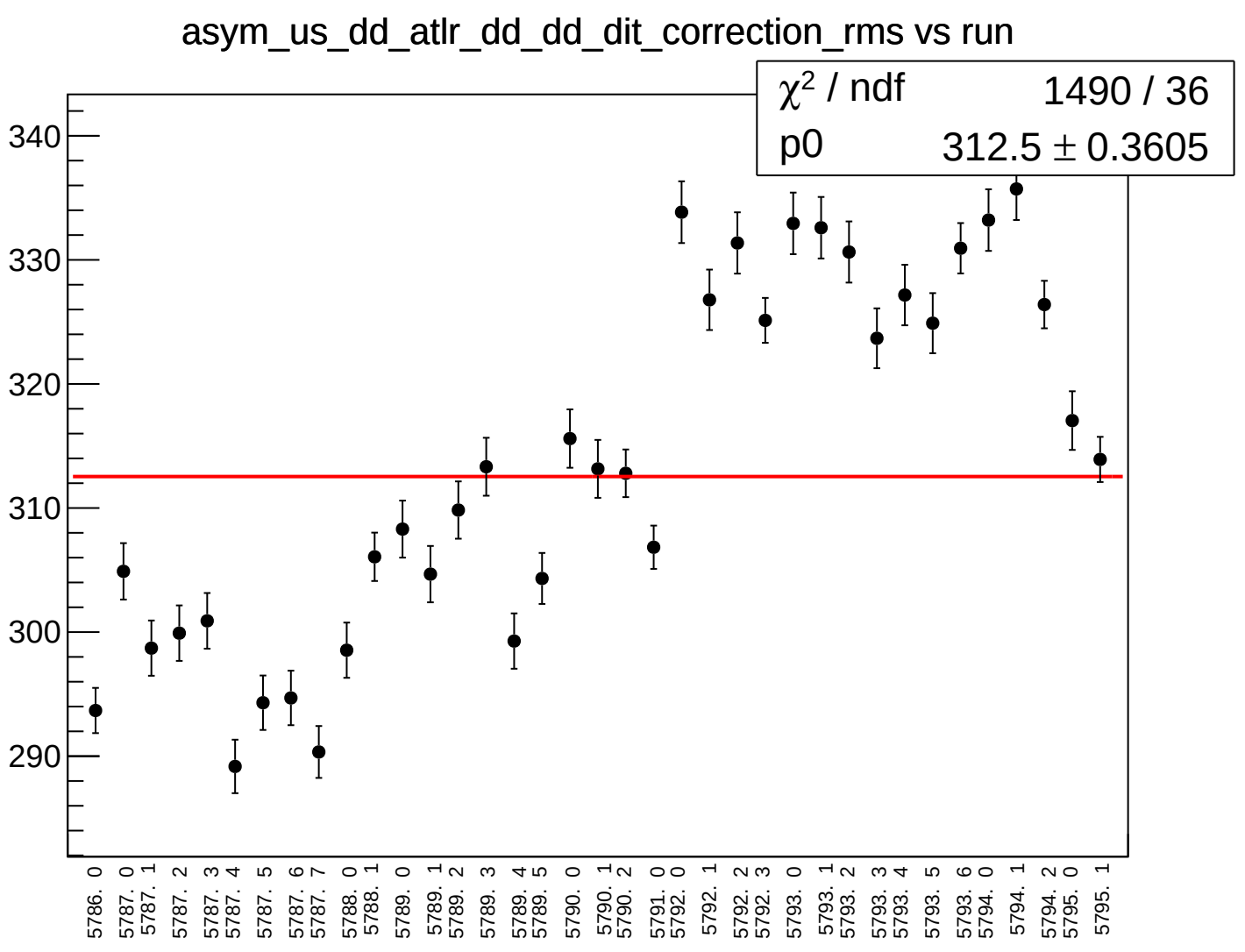

asym_us_dd_atlr_dd_dd_eigen_cor_correction_rms vs run
χ² / ndf 1606 / 36
p0 309.2 ± 0.3567
340
330
320
310
300
290
280
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

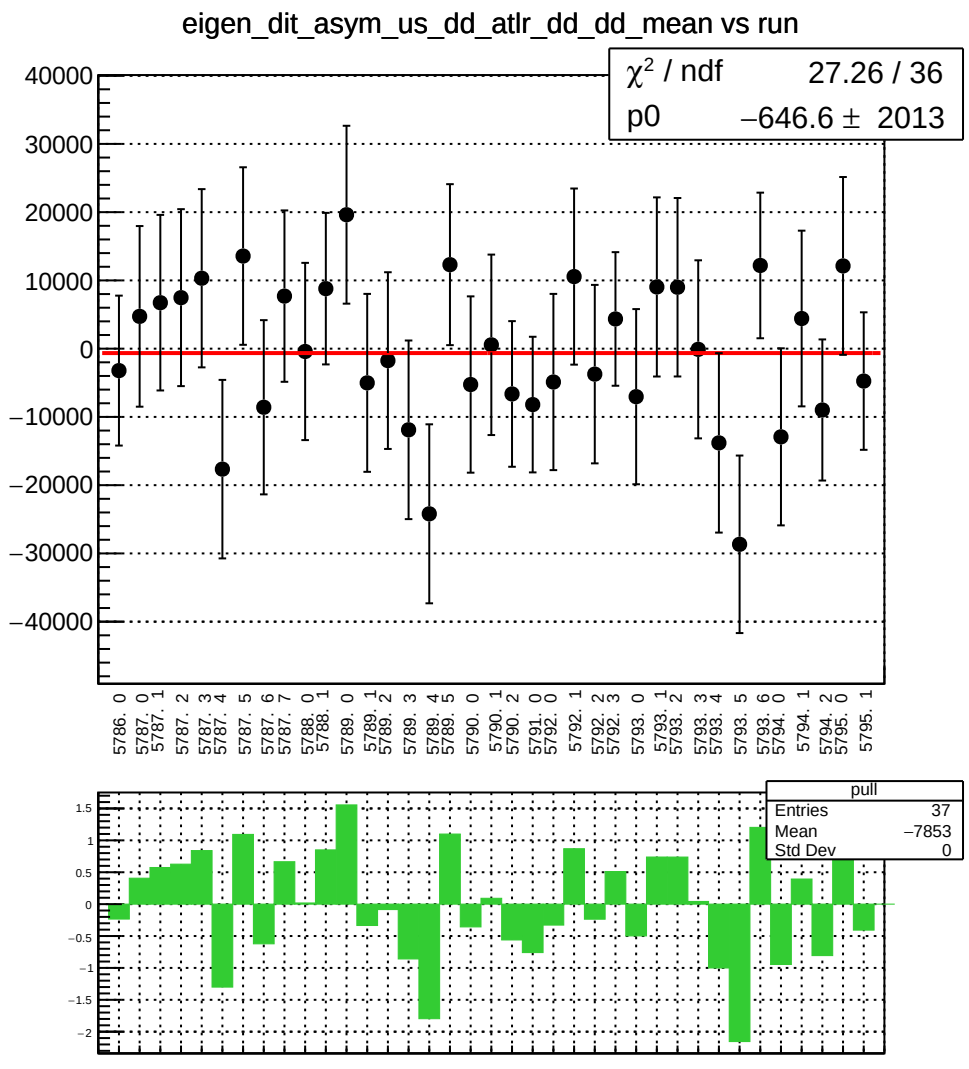

dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 27.26 / 36
p0 −646.6 ± 2013
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7852
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

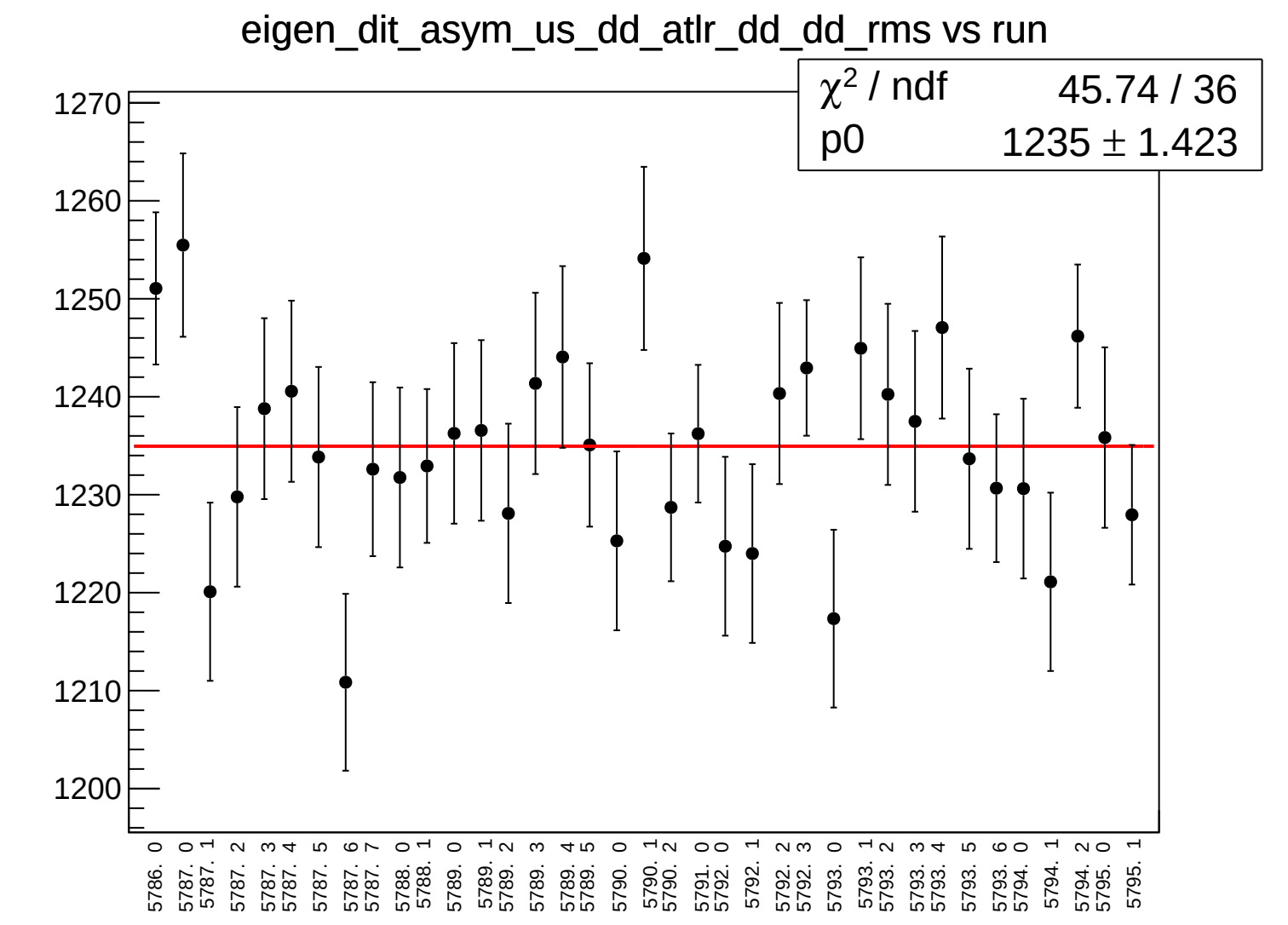

pull1D
Entries 37
Mean 0.0001987
Std Dev 0.8583
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

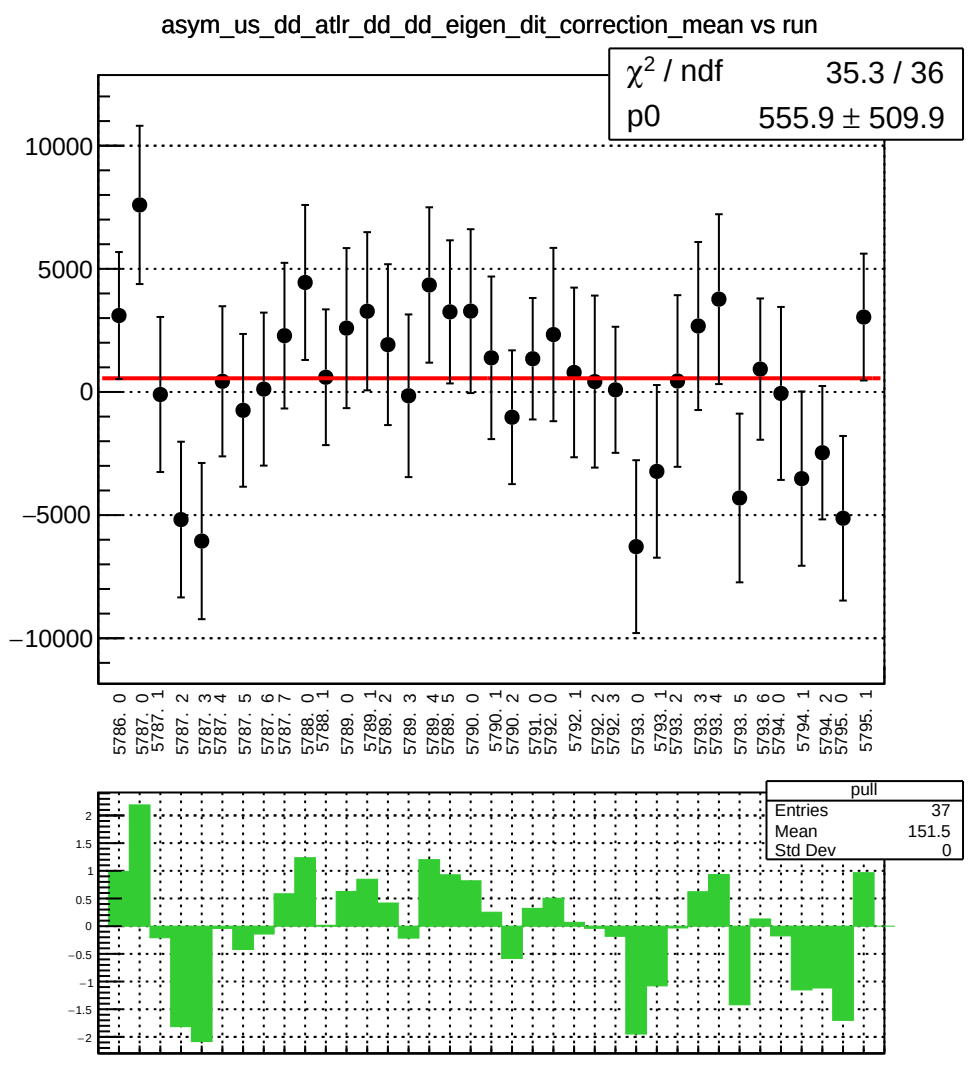

dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.74 / 36
p0 1235 ± 1.423
1270
1260
1250
1240
1230
1220
1210
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

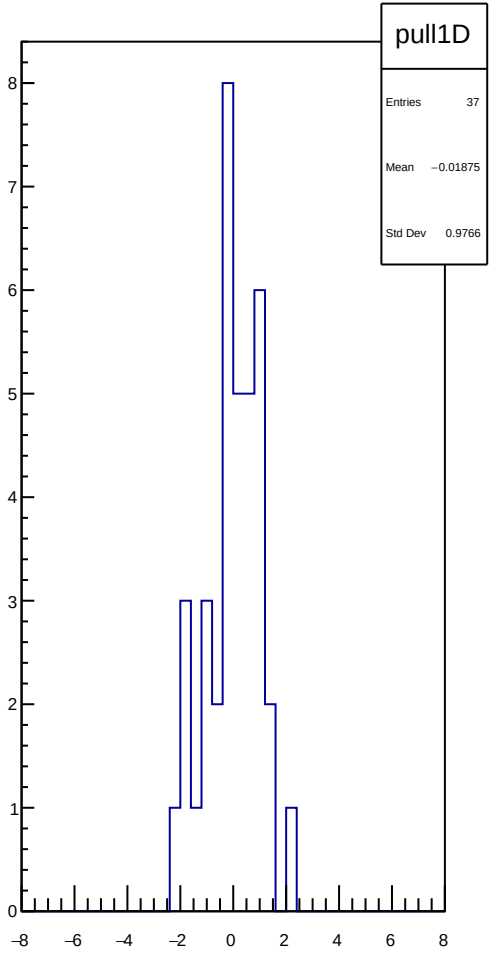

asym_us_dd_atlr_dd_dd_dit_correction_mean vs run
χ² / ndf 35.3 / 36
p0 555.9 ± 509.9
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 151.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01875
Std Dev 0.9766
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

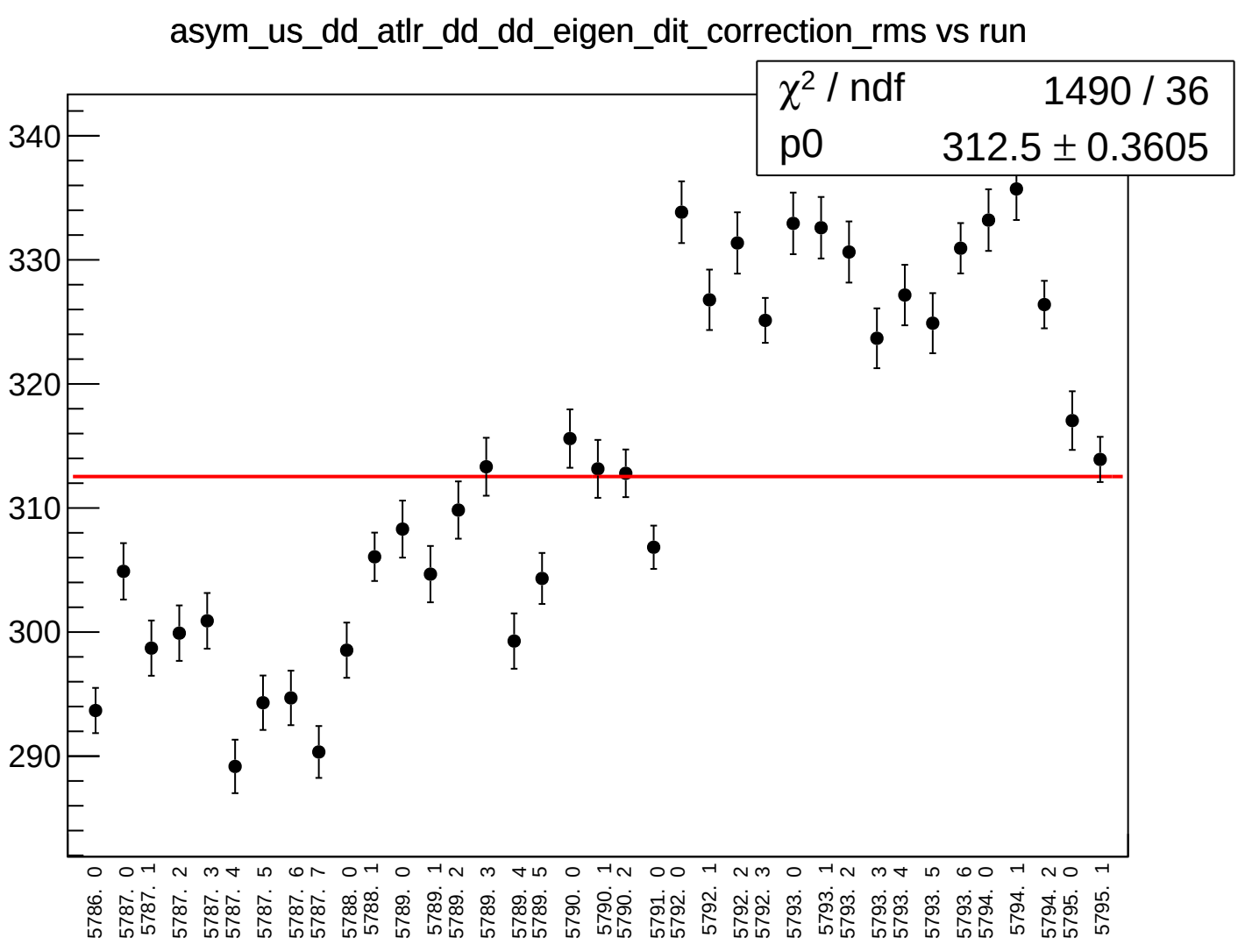

asym_us_dd_atlr_dd_dd_dit_correction_rms vs run
χ² / ndf 1490 / 36
p0 312.5 ± 0.3605
340
330
320
310
300
290
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

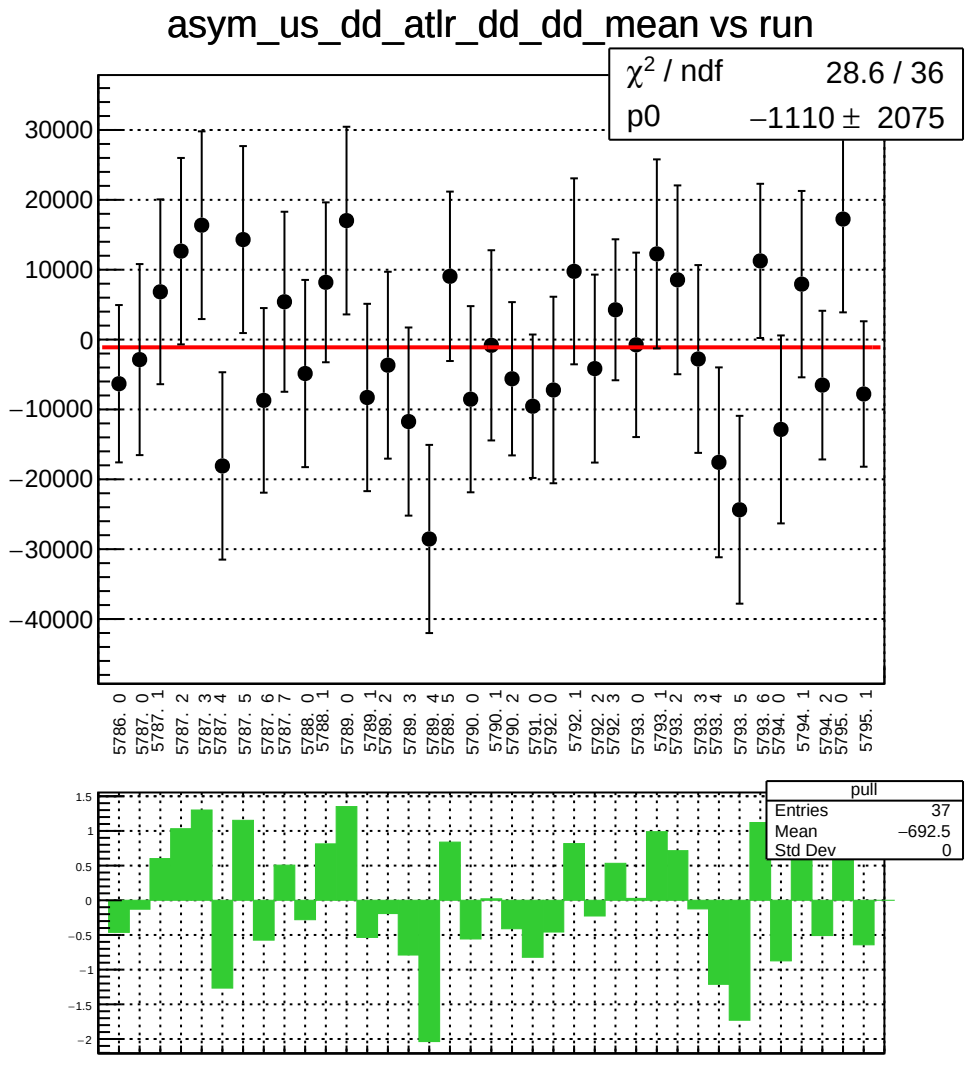

eigen_dit_asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 27.26 / 36
p0 −646.6 ± 2013
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7853
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0001986
Std Dev 0.8583
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

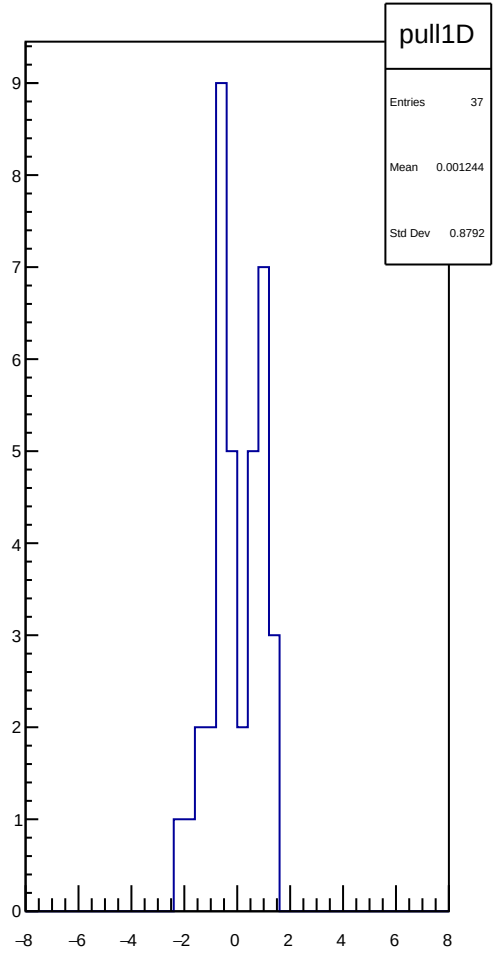

eigen_dit_asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 45.74 / 36
p0 1235 ± 1.423
1270
1260
1250
1240
1230
1220
1210
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

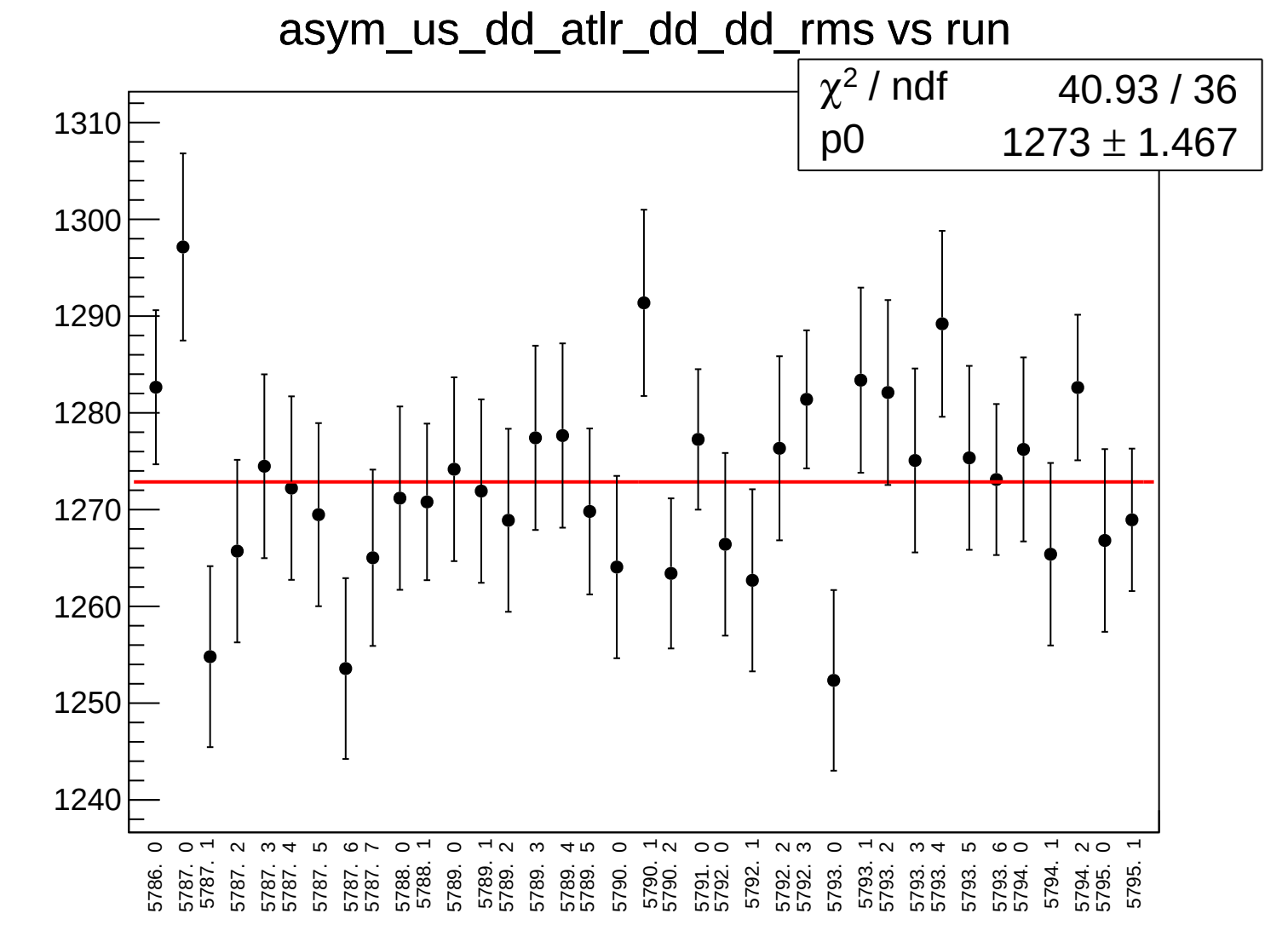

asym_us_dd_atlr_dd_dd_eigen_dit_correction_mean vs run
χ² / ndf 35.3 / 36
p0 555.9 ± 509.9
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 151.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

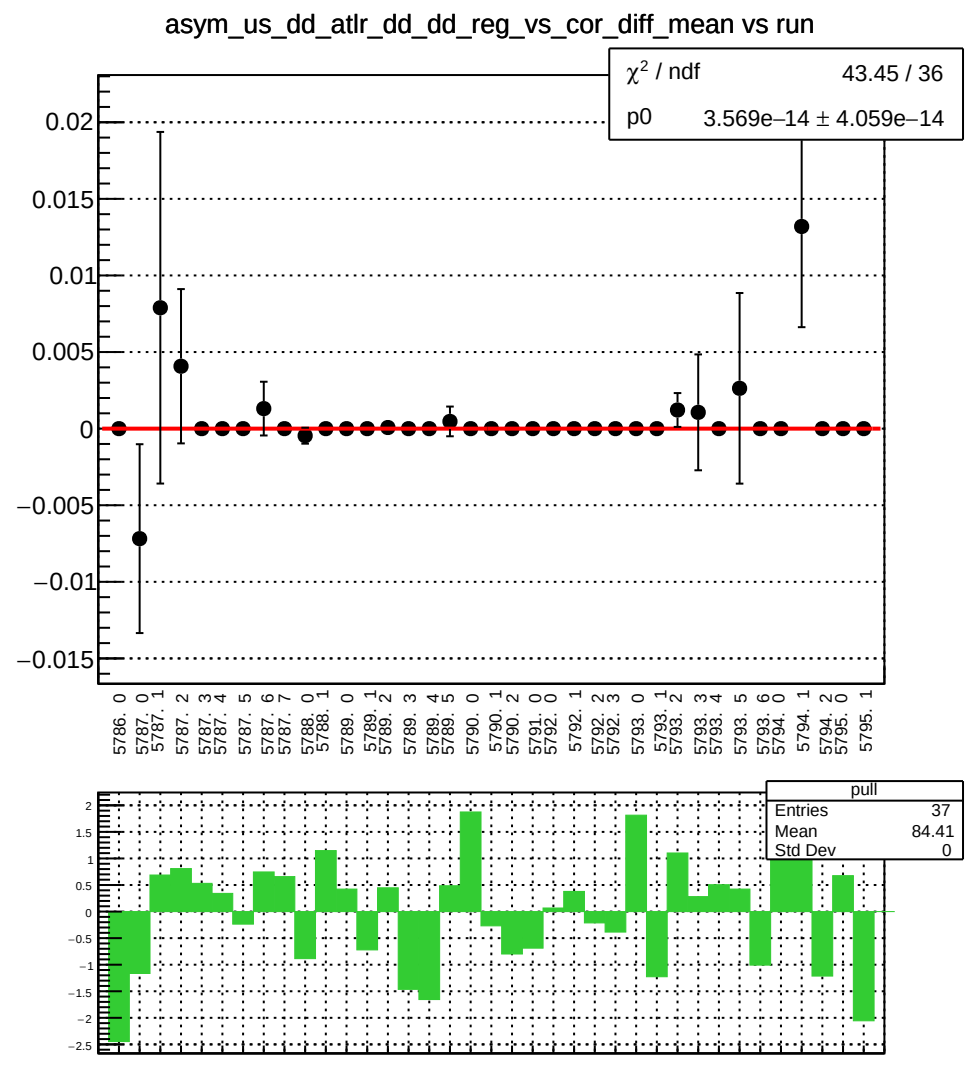

pull1D
Entries 37
Mean −0.01875
Std Dev 0.9766
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

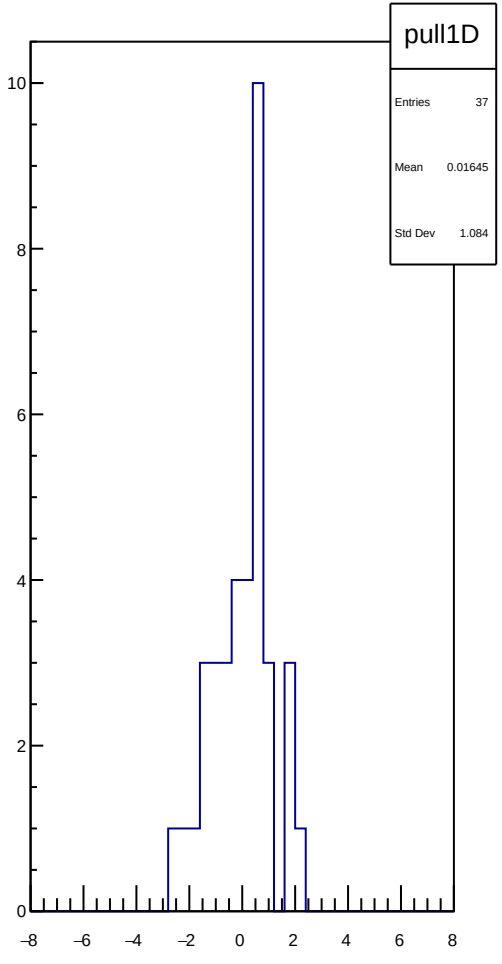

asym_us_dd_atlr_dd_dd_eigen_dit_correction_rms vs run
χ² / ndf 1490 / 36
p0 312.5 ± 0.3605
340
330
320
310
300
290
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

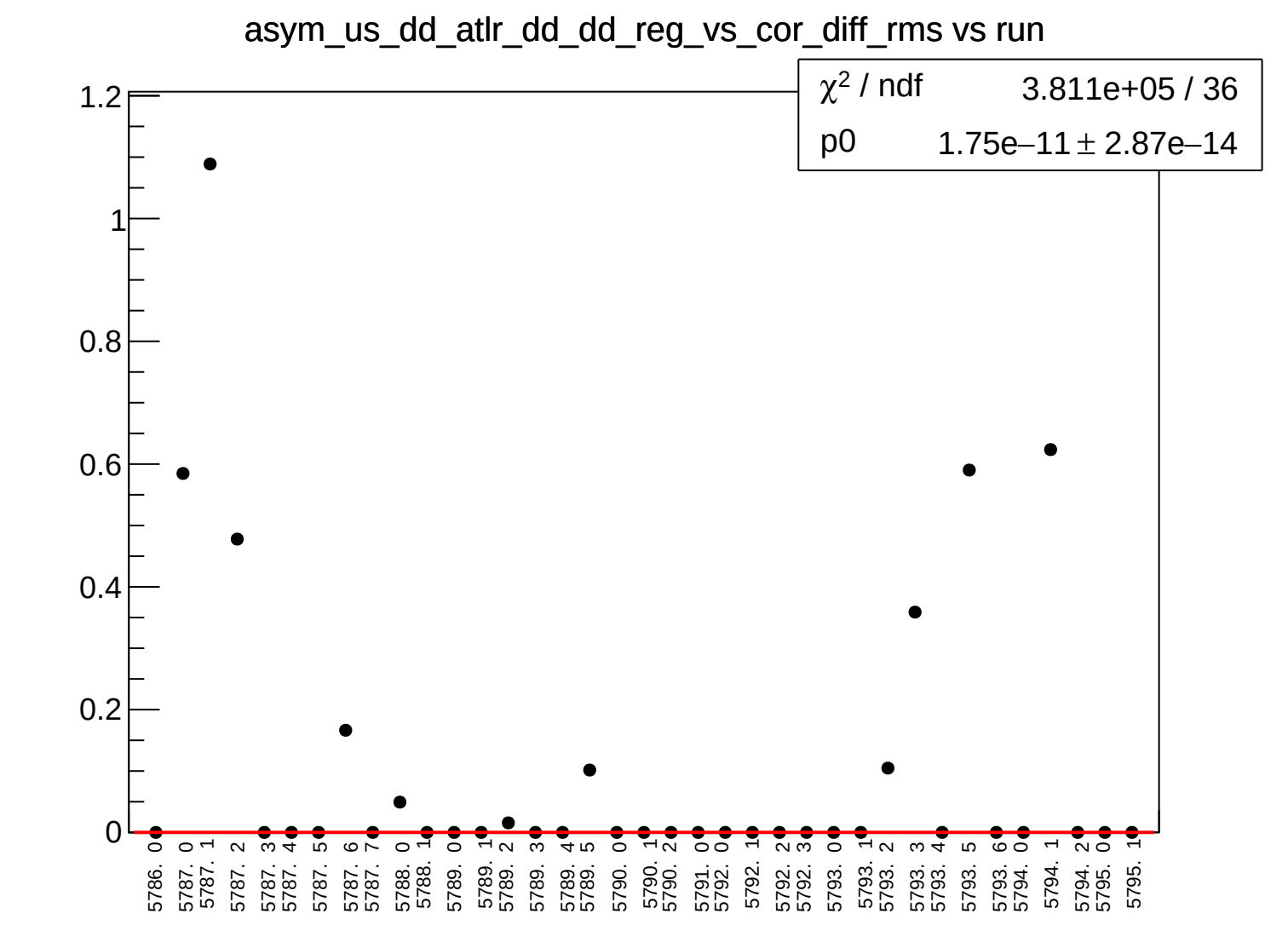

asym_us_dd_atlr_dd_dd_mean vs run
χ² / ndf 28.6 / 36
p0 −1110 ± 2075
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −692.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

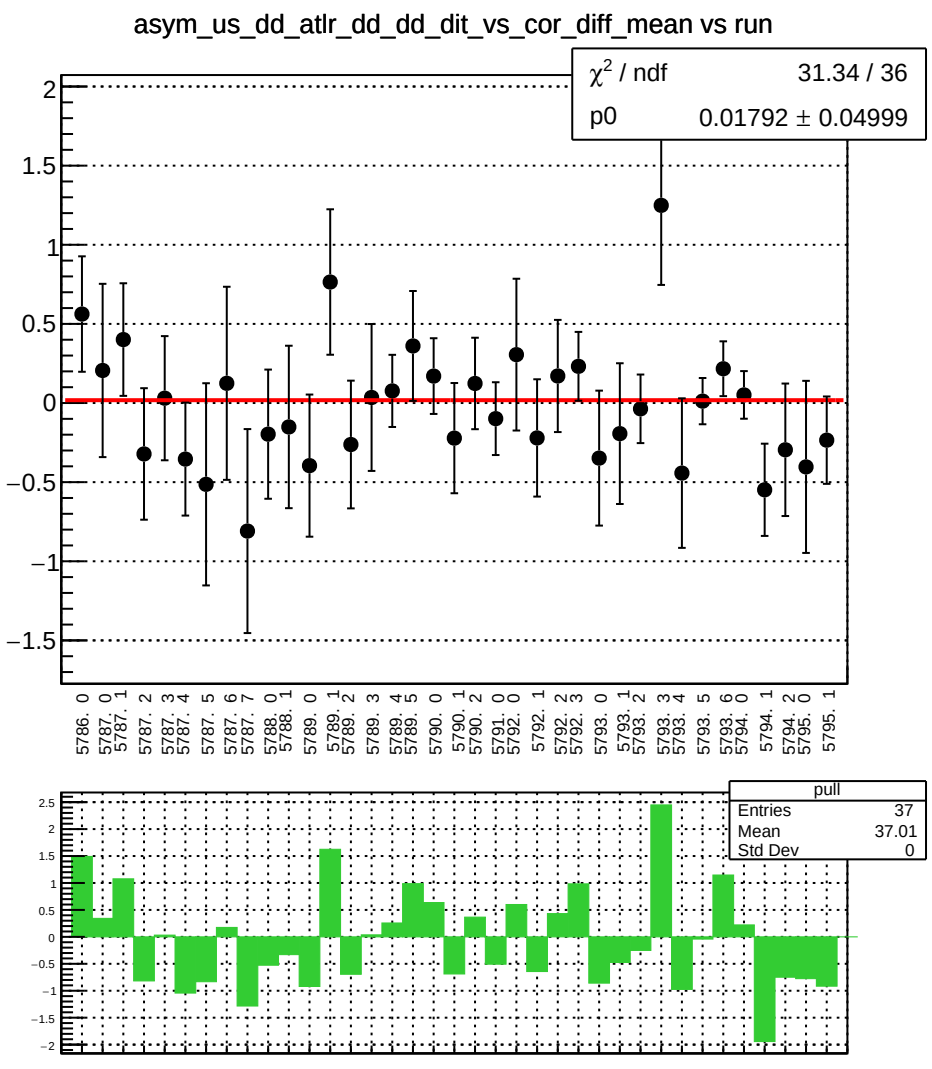

pull1D
Entries 37
Mean 0.001244
Std Dev 0.8792
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

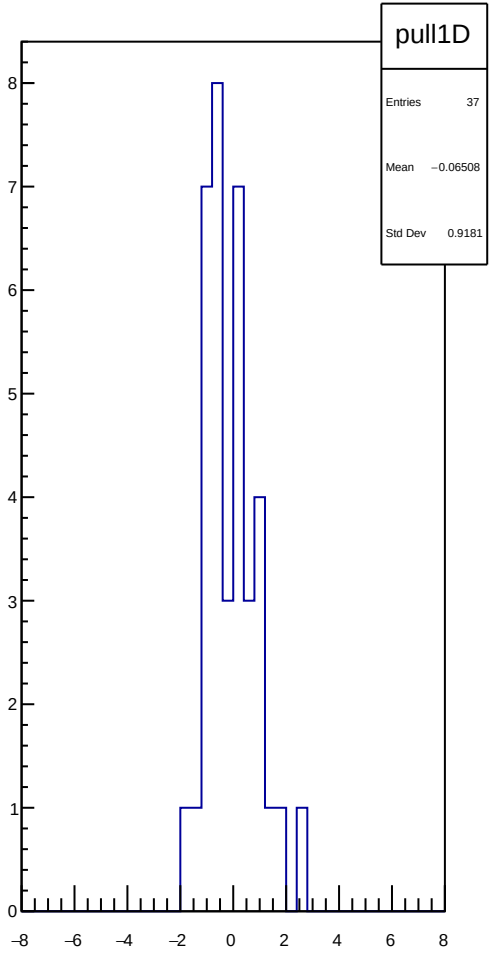

asym_us_dd_atlr_dd_dd_rms vs run
χ² / ndf 40.93 / 36
p0 1273 ± 1.467
1310
1300
1290
1280
1270
1260
1250
1240
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

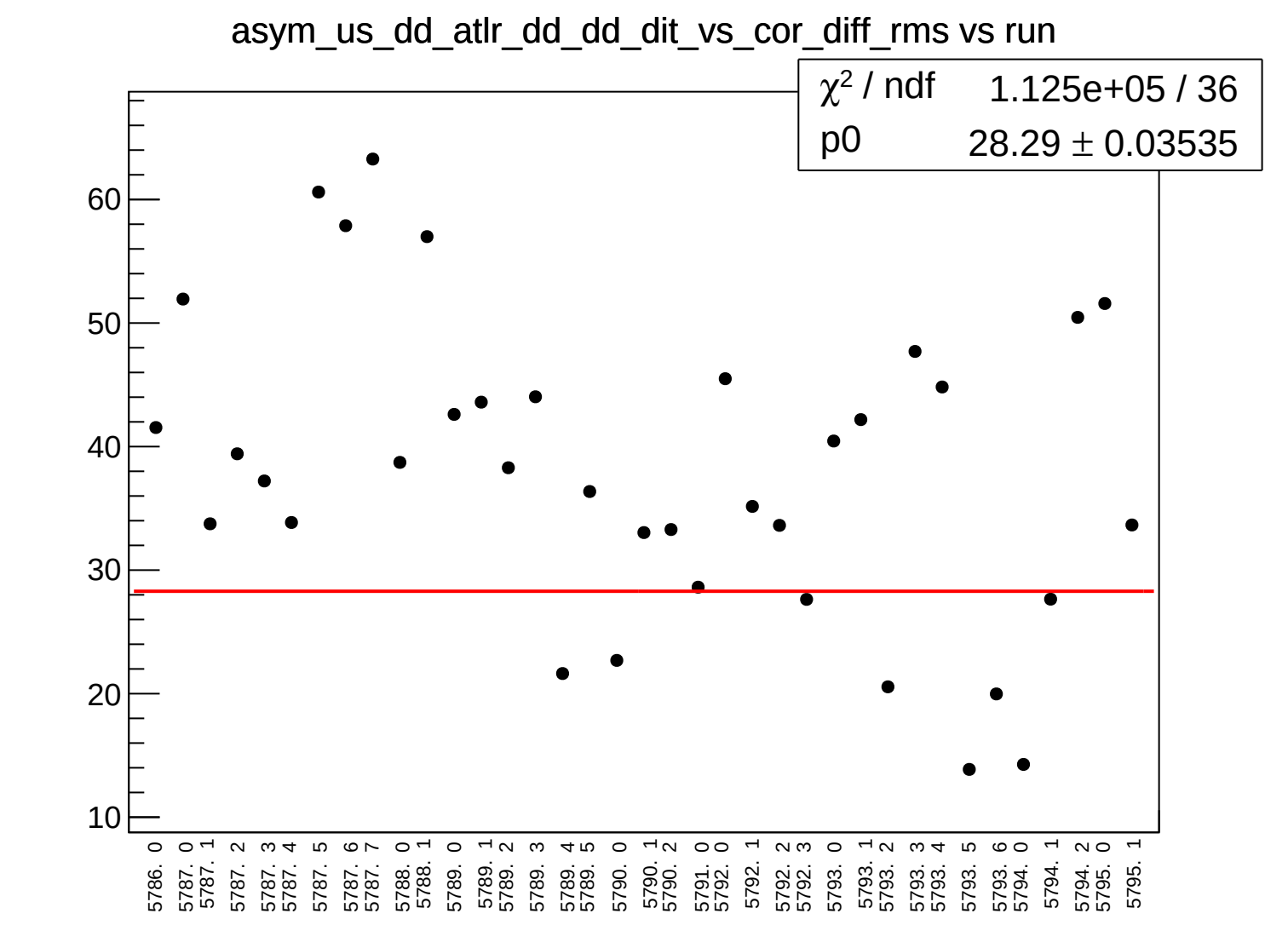

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 43.45 / 36
p0 3.569e−14 ± 4.059e−14
0.02
0.015
0.01
0.005
0
−0.005
−0.01
−0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 84.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean 0.01645
Std Dev 1.084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

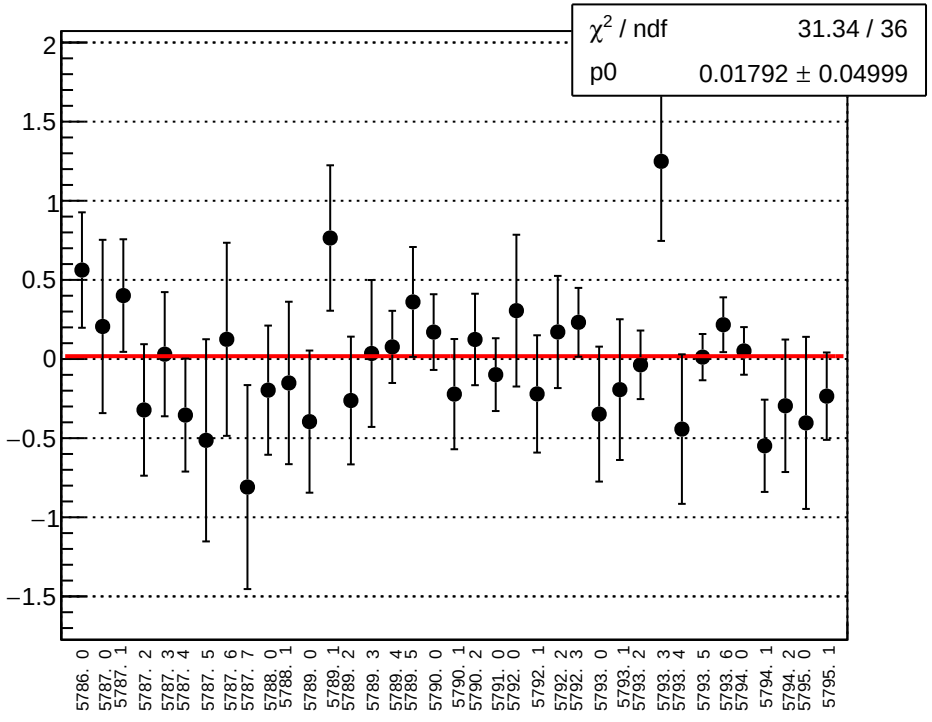

asym_us_dd_atlr_dd_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.811e+05 / 36
p0 1.75e−11 ± 2.87e−14
1.2
1
0.8
0.6
0.4
0.2
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

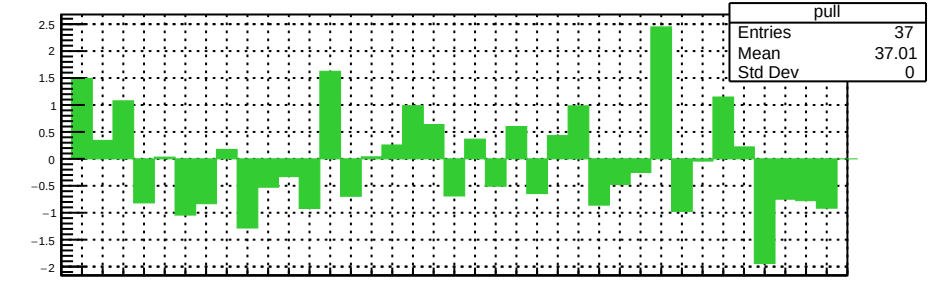

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 31.34 / 36
p0 0.01792 ± 0.04999
pull
Entries 37
Mean 37.01
Std Dev 0

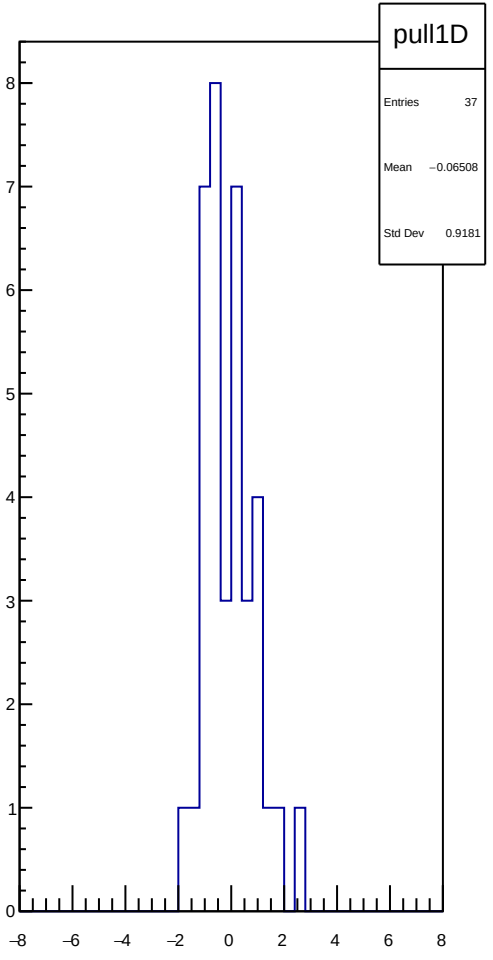

pull1D
Entries 37
Mean −0.06508
Std Dev 0.9181

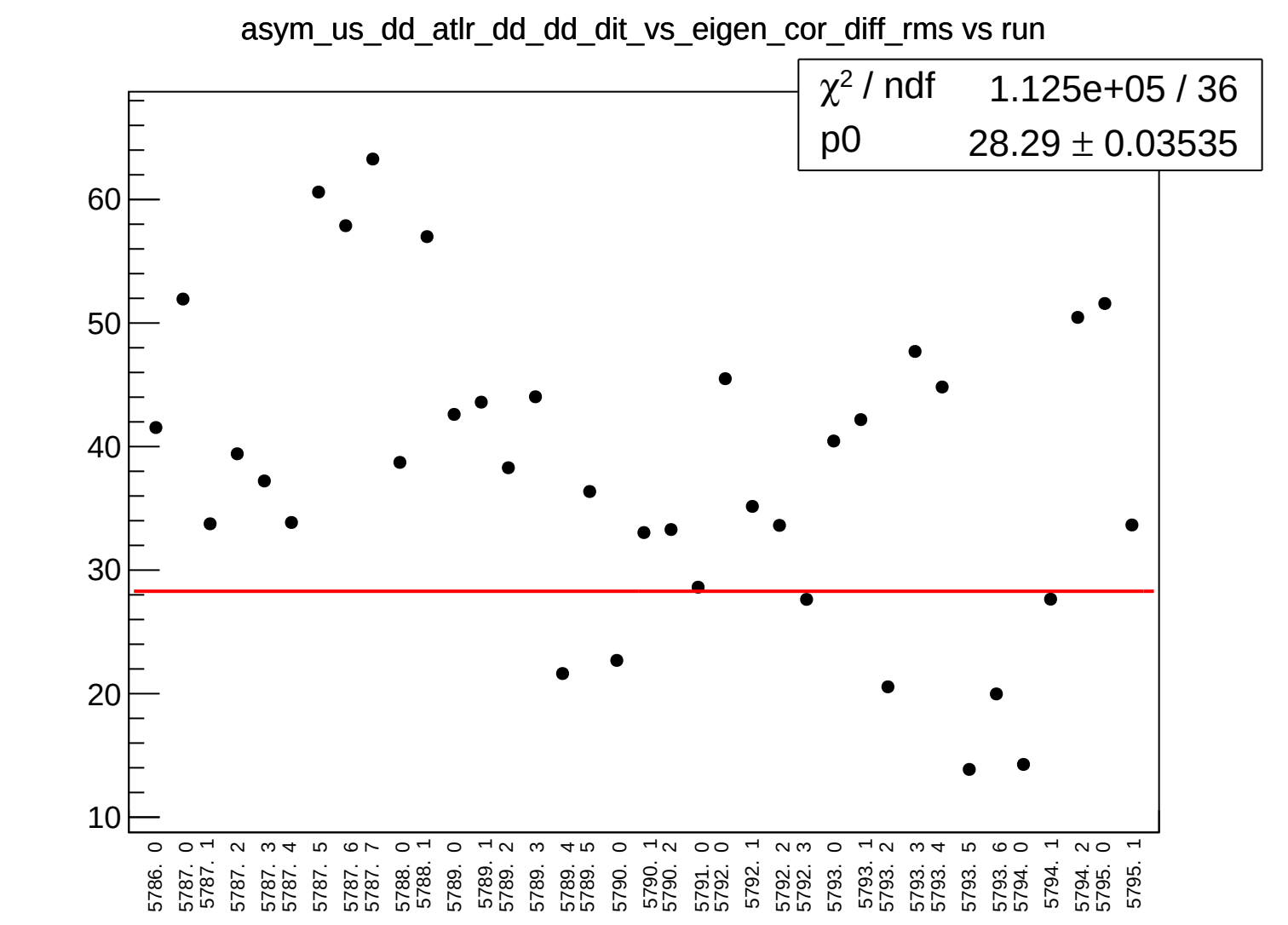

asym_us_dd_atlr_dd_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 36
p0 28.29 ± 0.03535
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

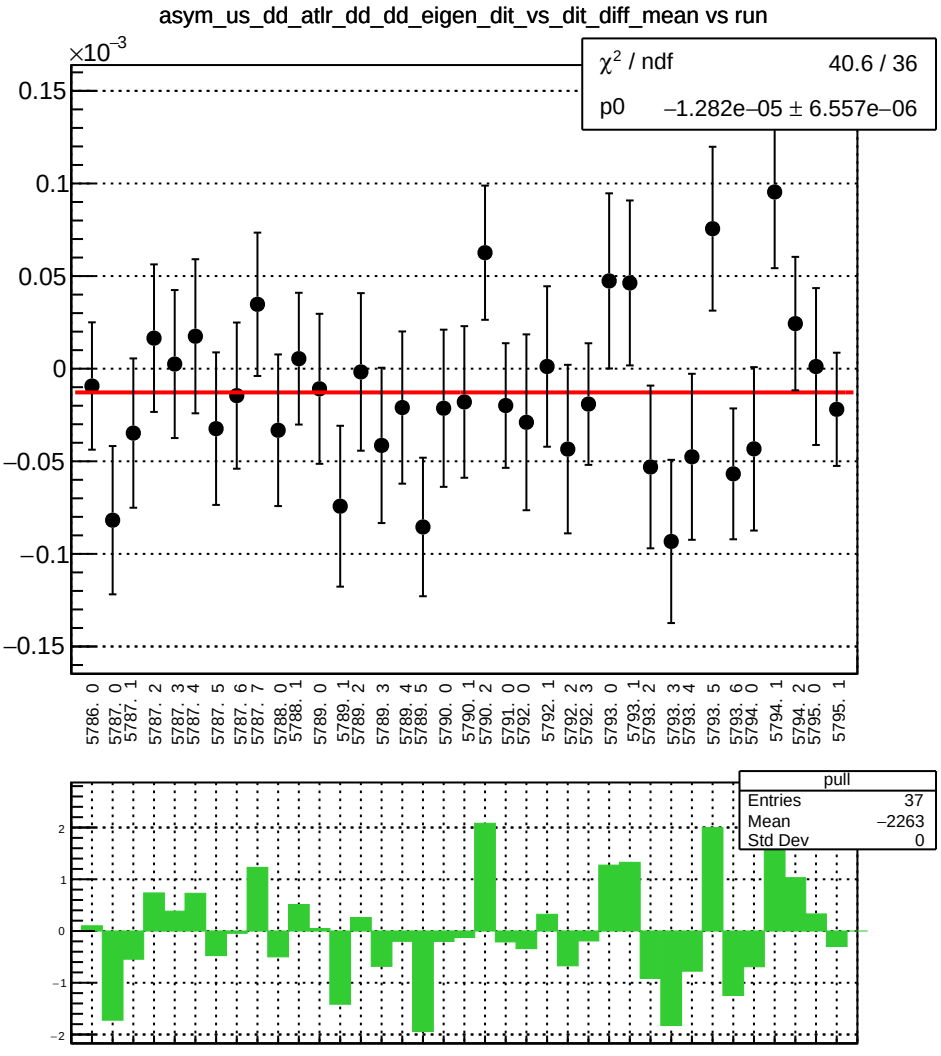
asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_mean vs run

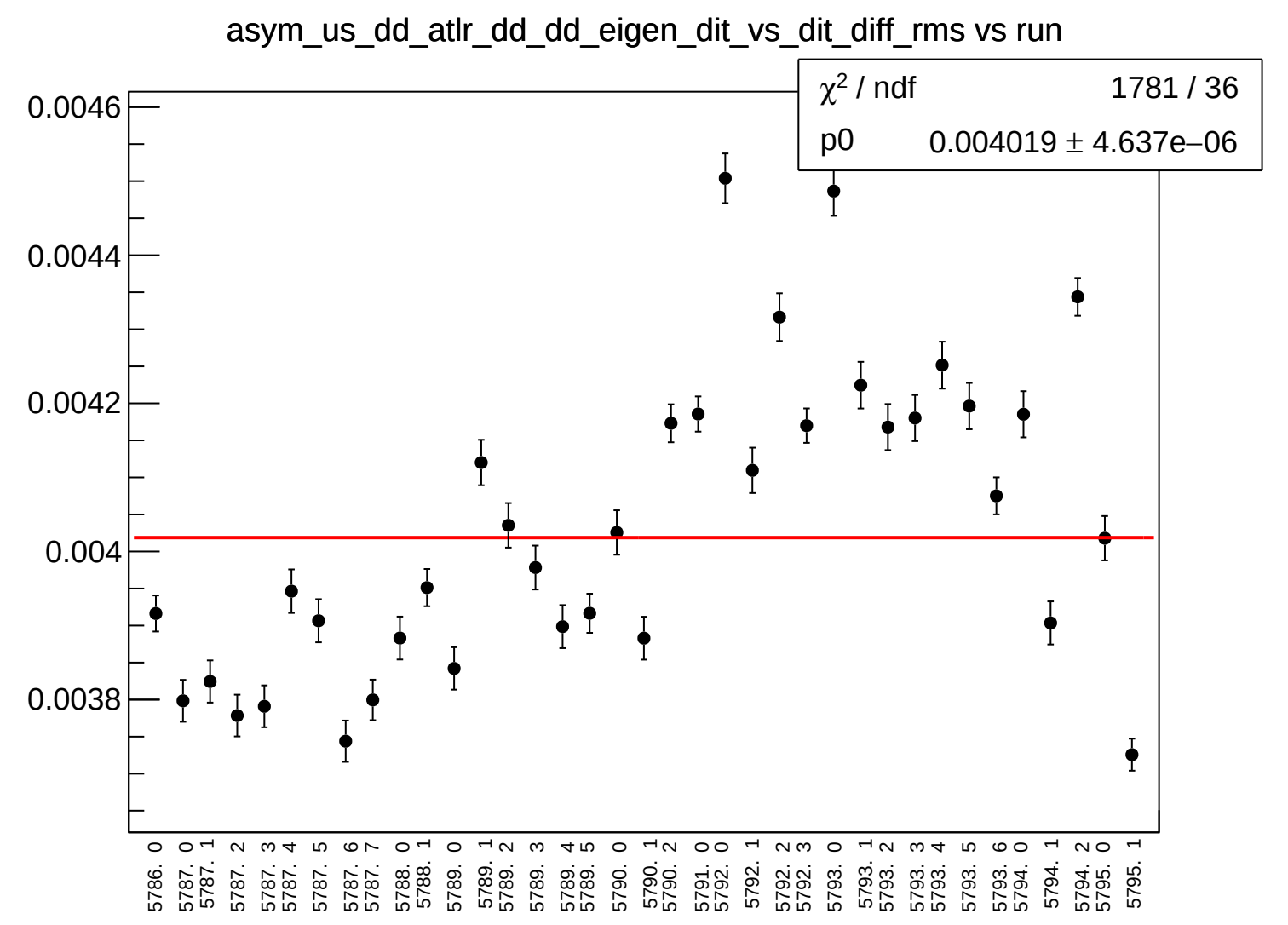




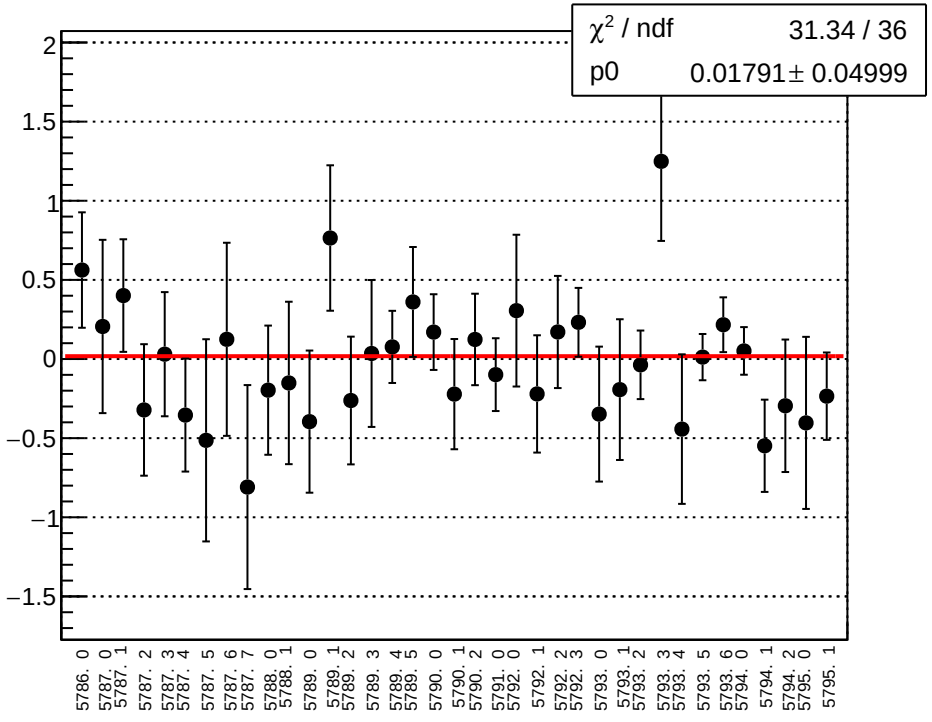


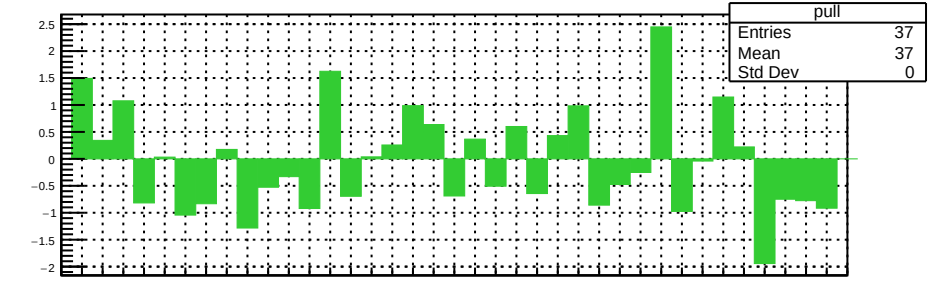

asym_us_dd_atlr_dd_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 36
p0 28.29 ± 0.03535
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

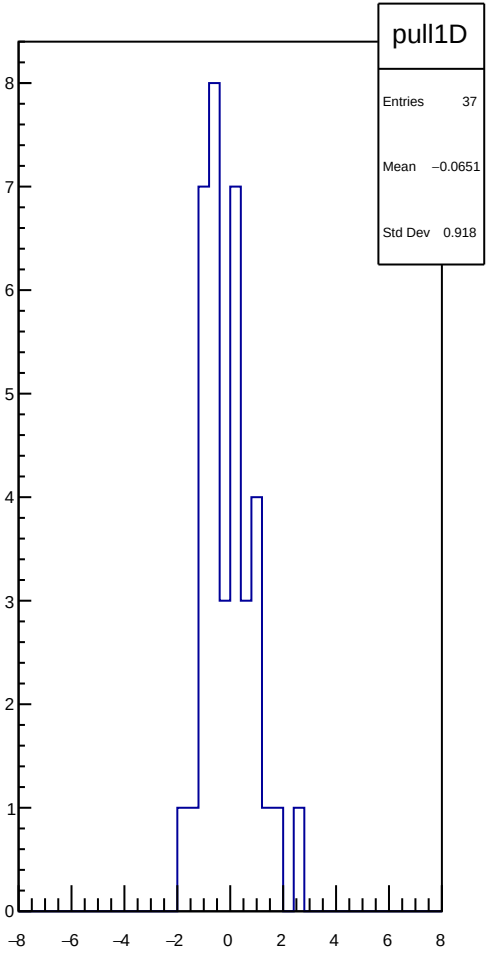

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.6 / 36
p0 −1.282e−05 ± 6.557e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2263
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0006528
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

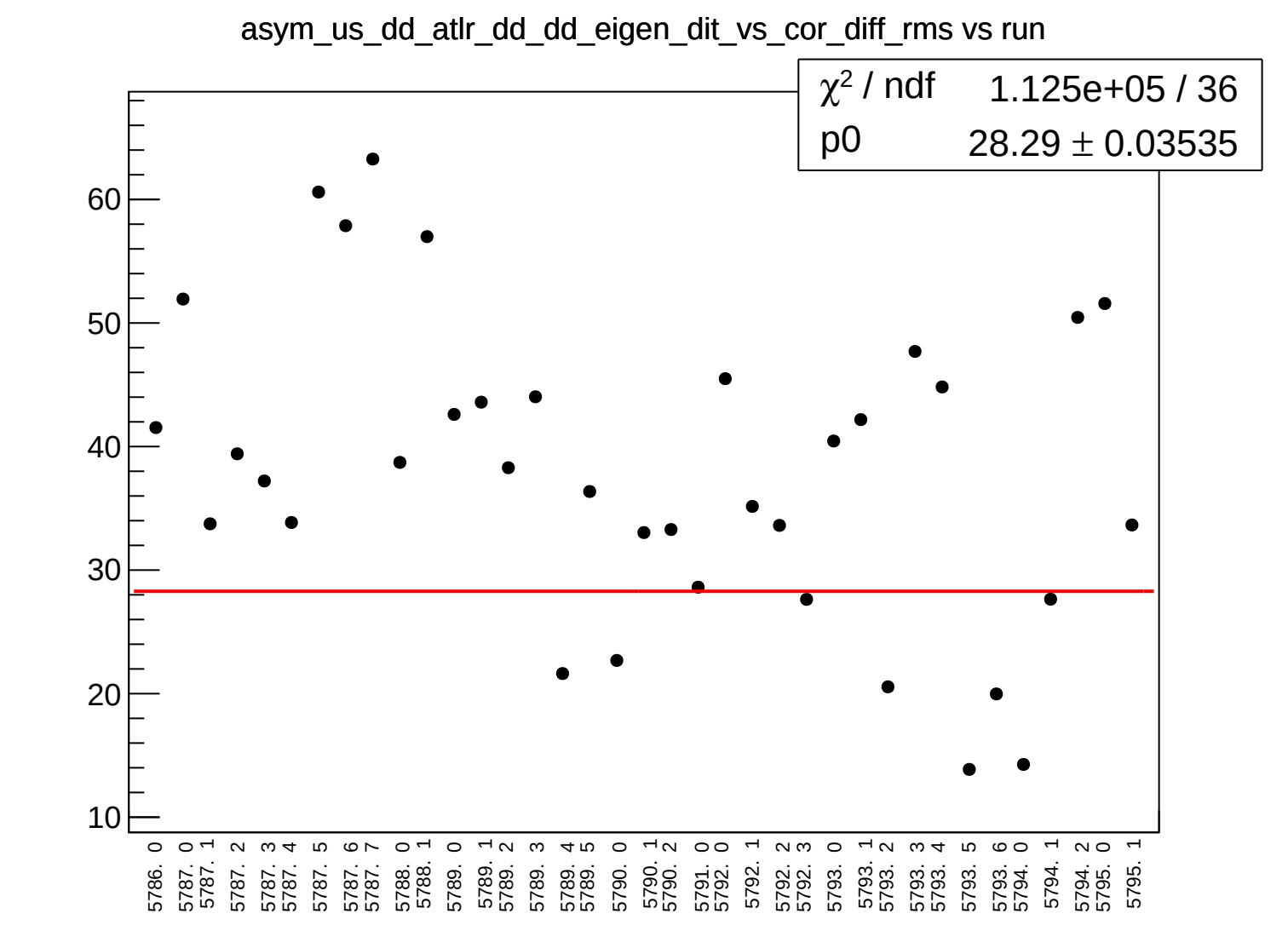

asym_us_dd_atlr_dd_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1781 / 36
p0 0.004019 ± 4.637e−06
0.0046
0.0044
0.0042
0.004
0.0038
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

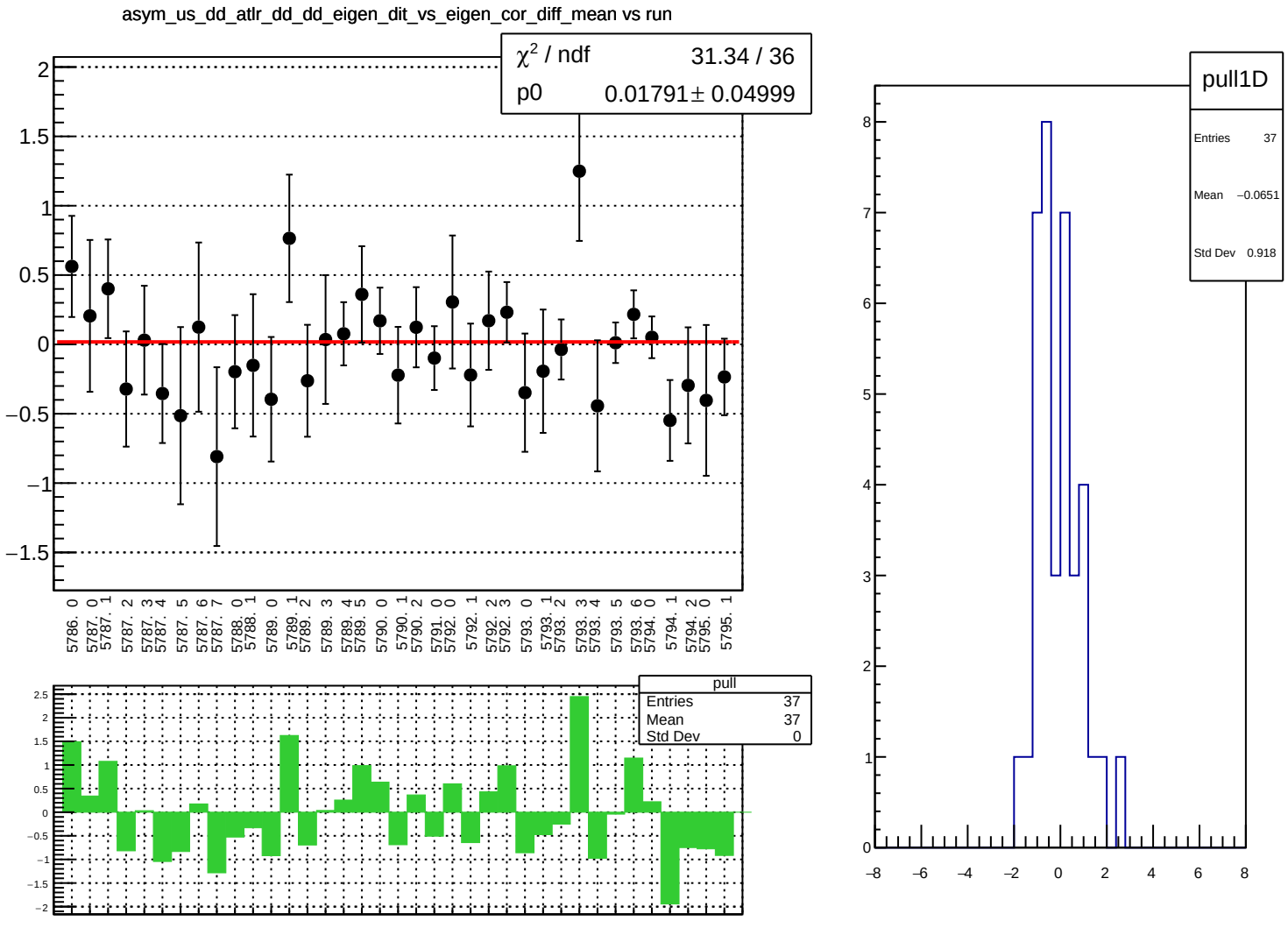
asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_mean vs run

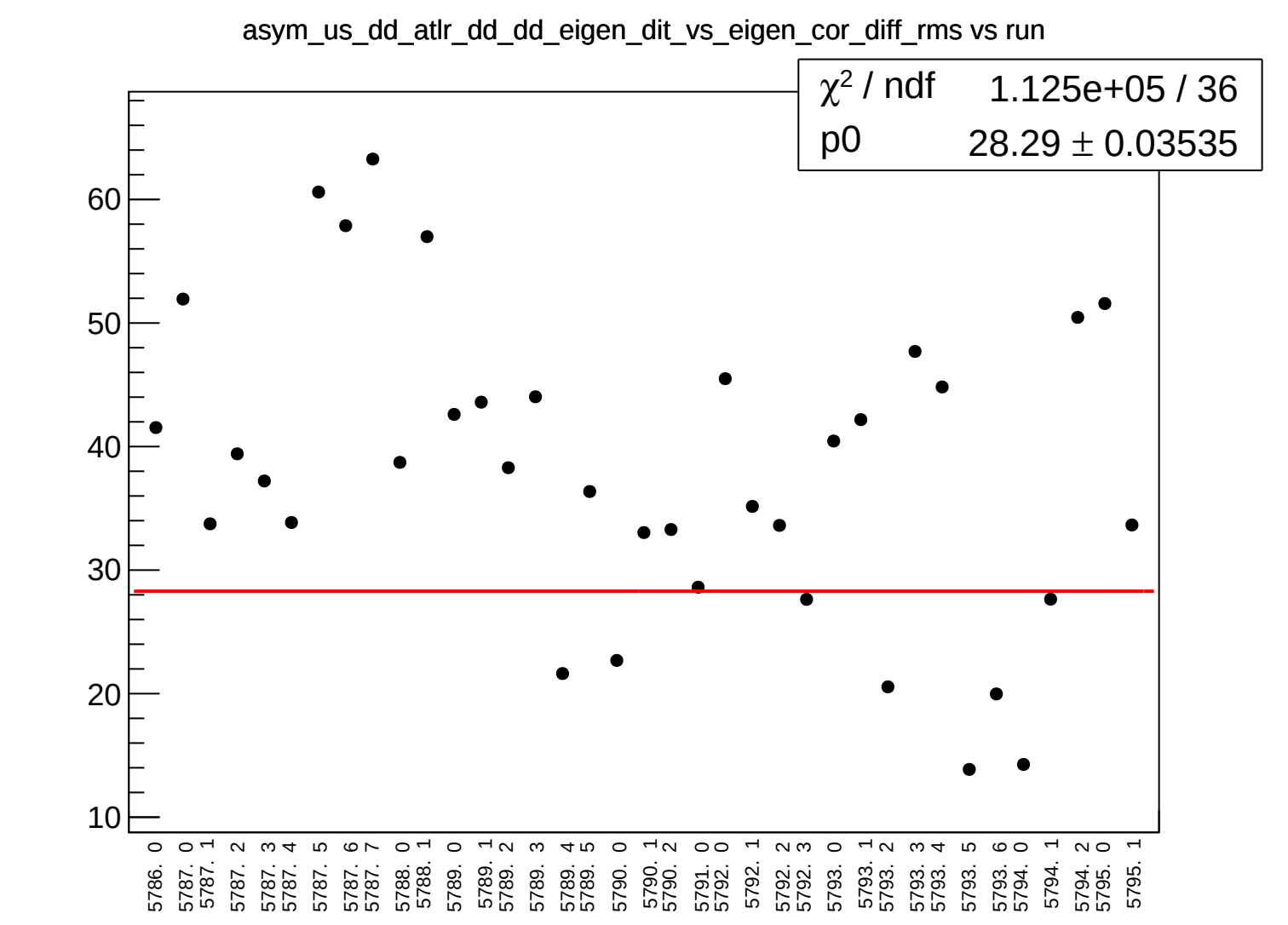


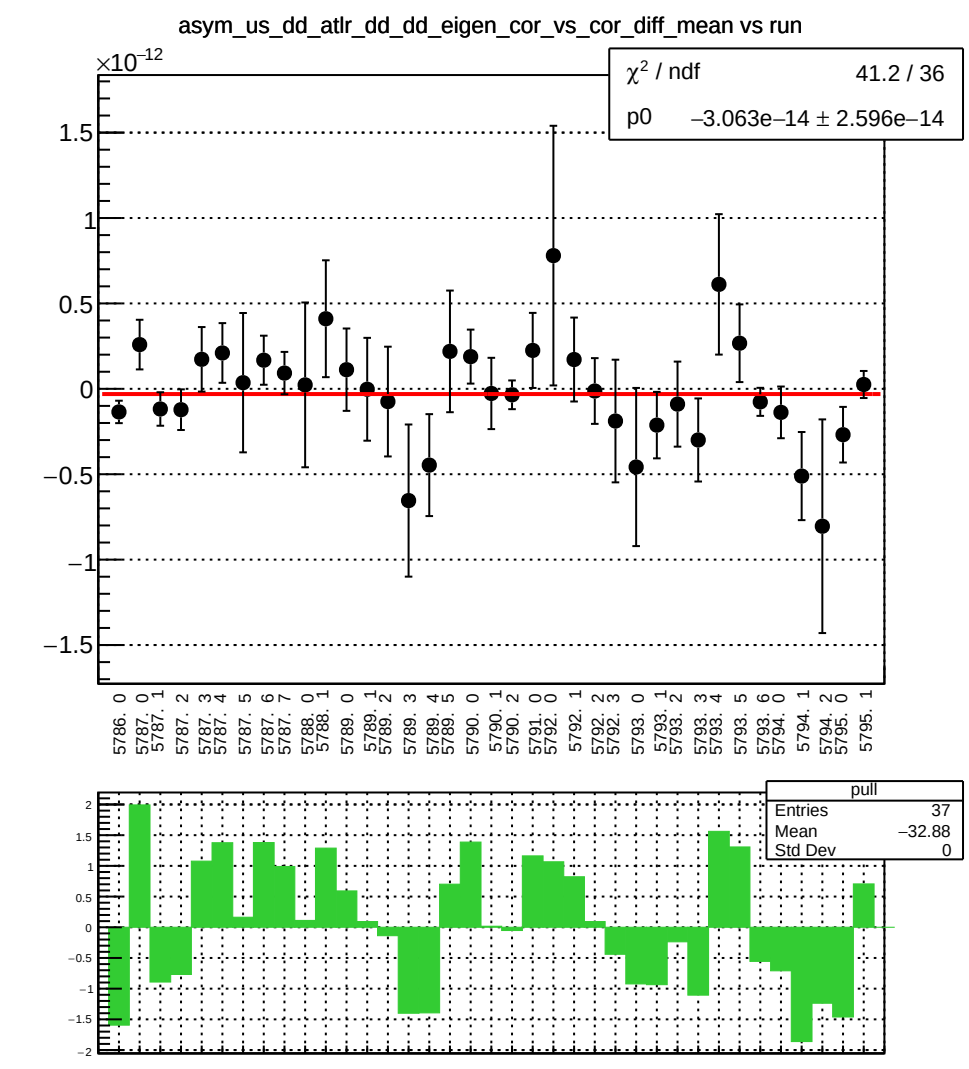


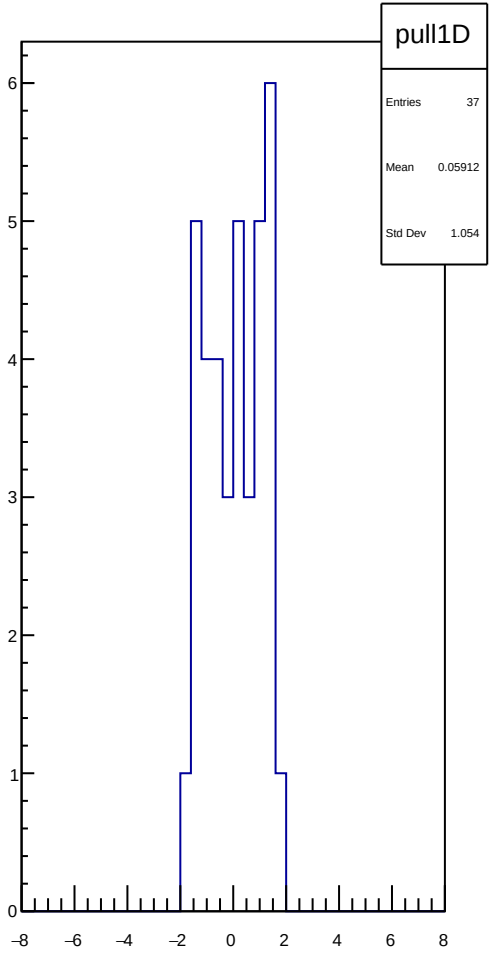


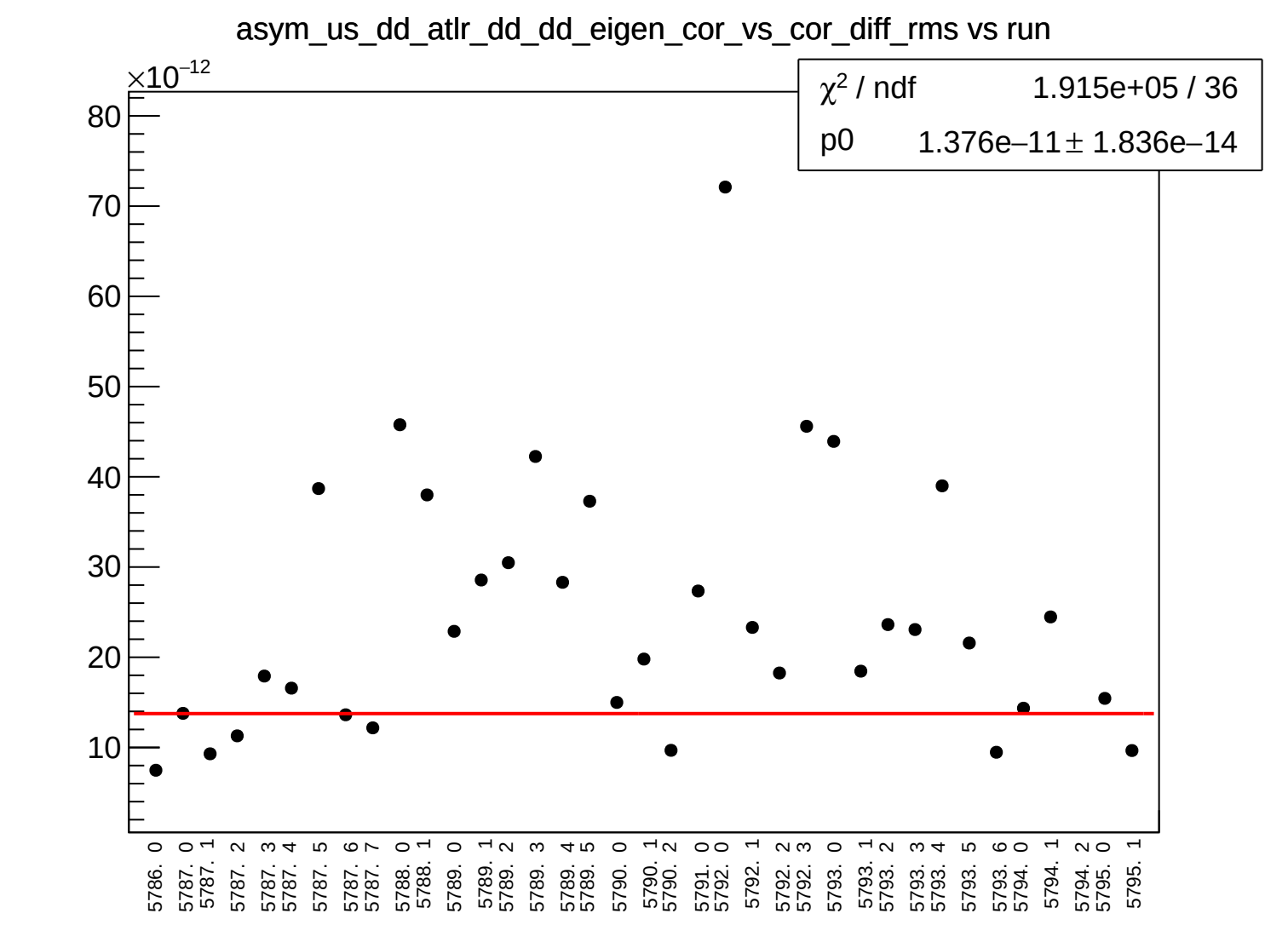

asym_us_dd_atlr_dd_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 36
p0 28.29 ± 0.03535
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

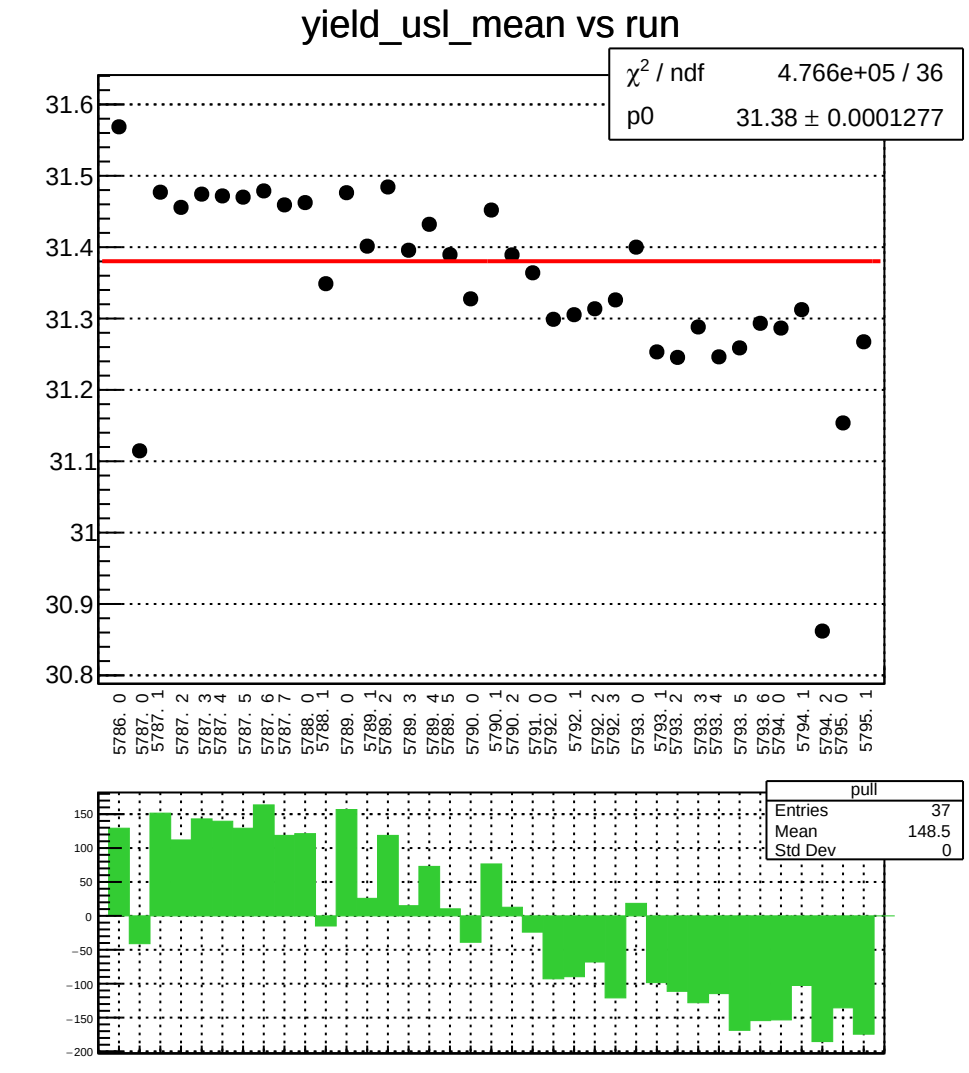

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 31.34 / 36
p0 0.01791± 0.04999
pull
Entries 37
Mean 37
Std Dev 0
pull1D
Entries 37
Mean −0.0651
Std Dev 0.918

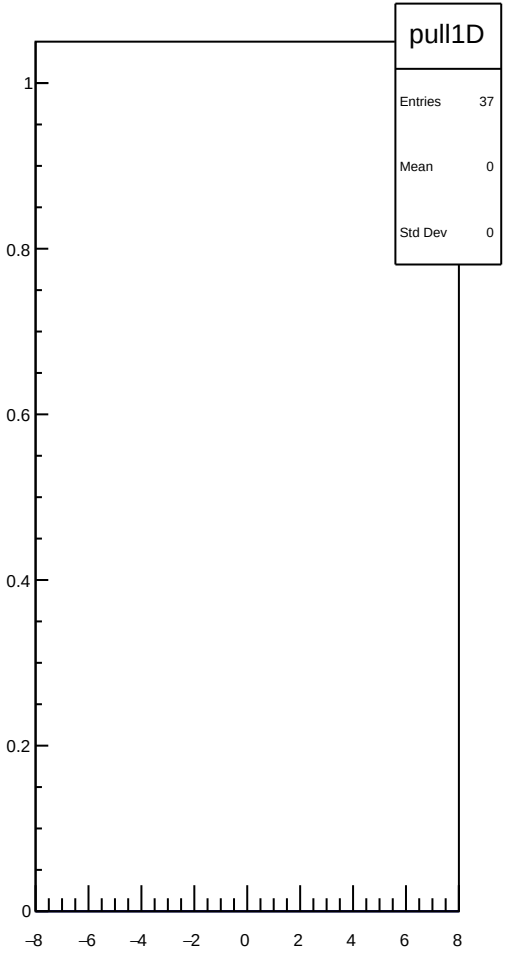

asym_us_dd_atlr_dd_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.125e+05 / 36
p0 28.29 ± 0.03535
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

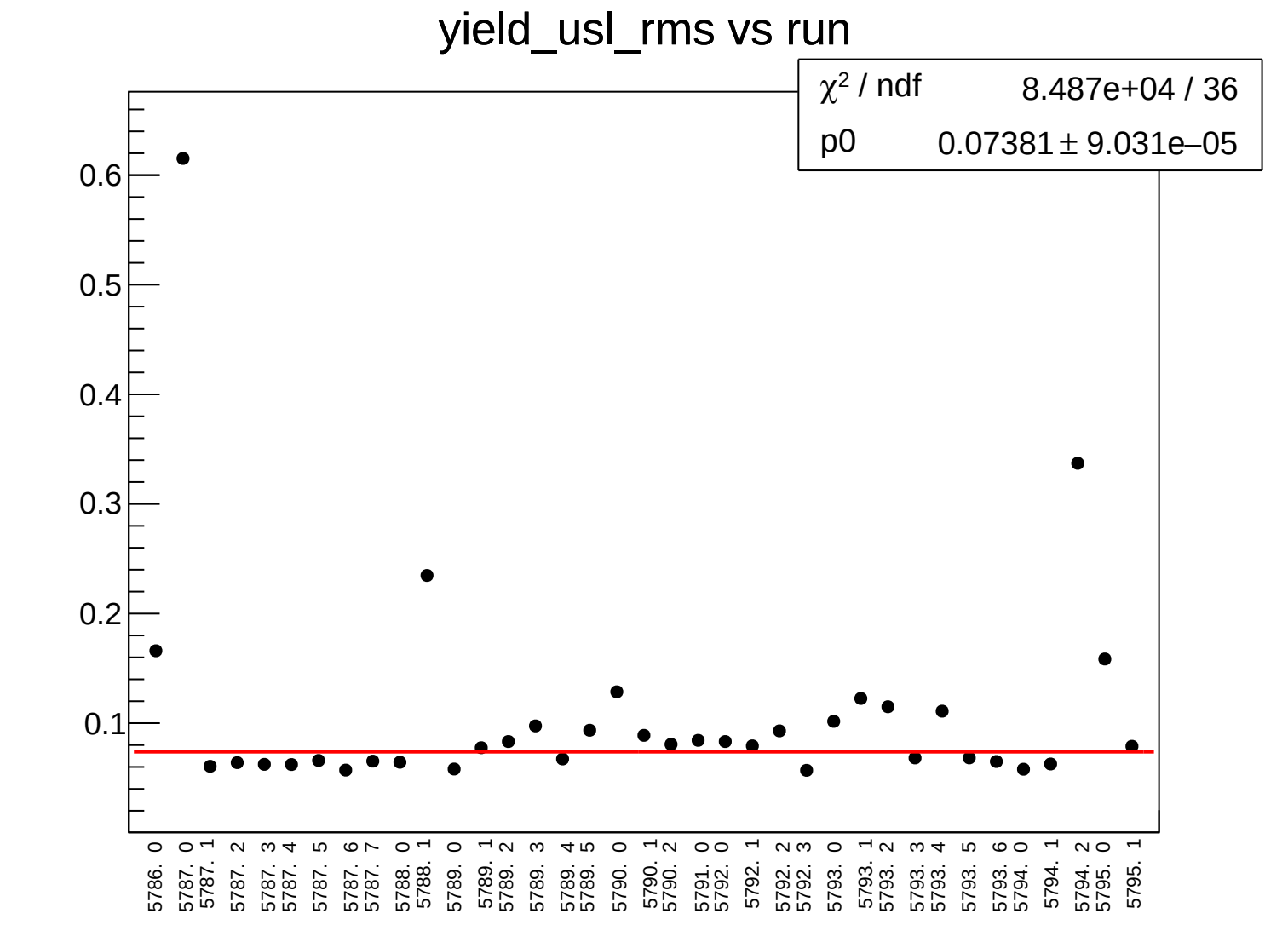

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.2 / 36
p0 −3.063e−14 ± 2.596e−14
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.88
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

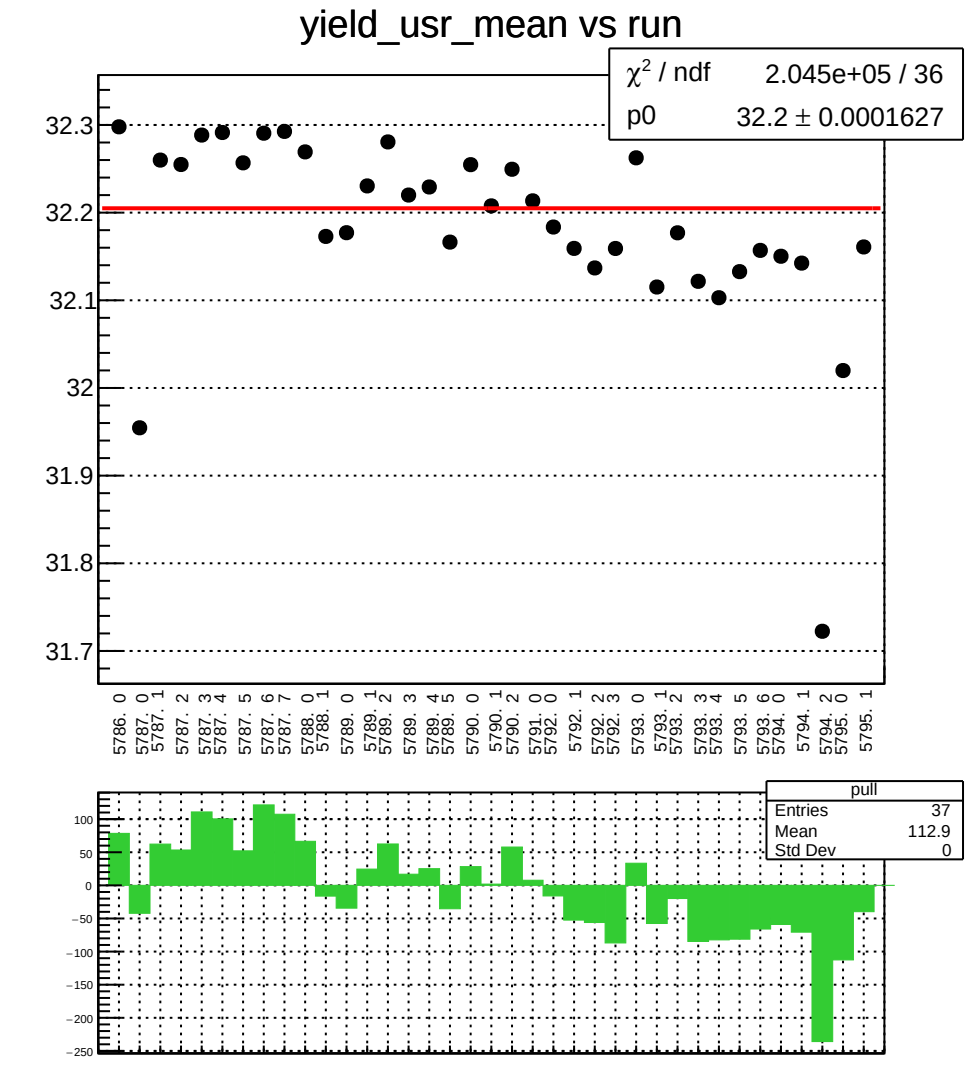

pull1D
Entries 37
Mean 0.05912
Std Dev 1.054
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

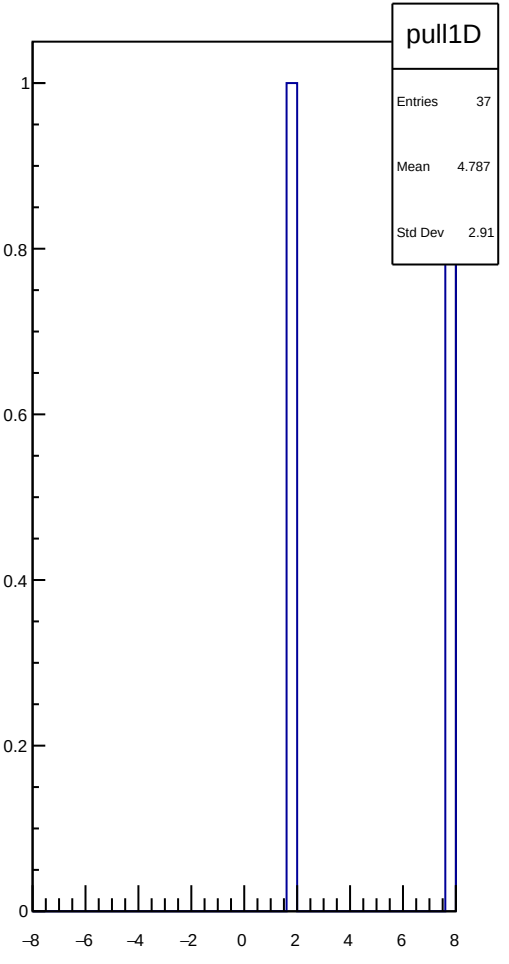

asym_us_dd_atlr_dd_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.915e+05 / 36
p0 1.376e−11 ± 1.836e−14
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

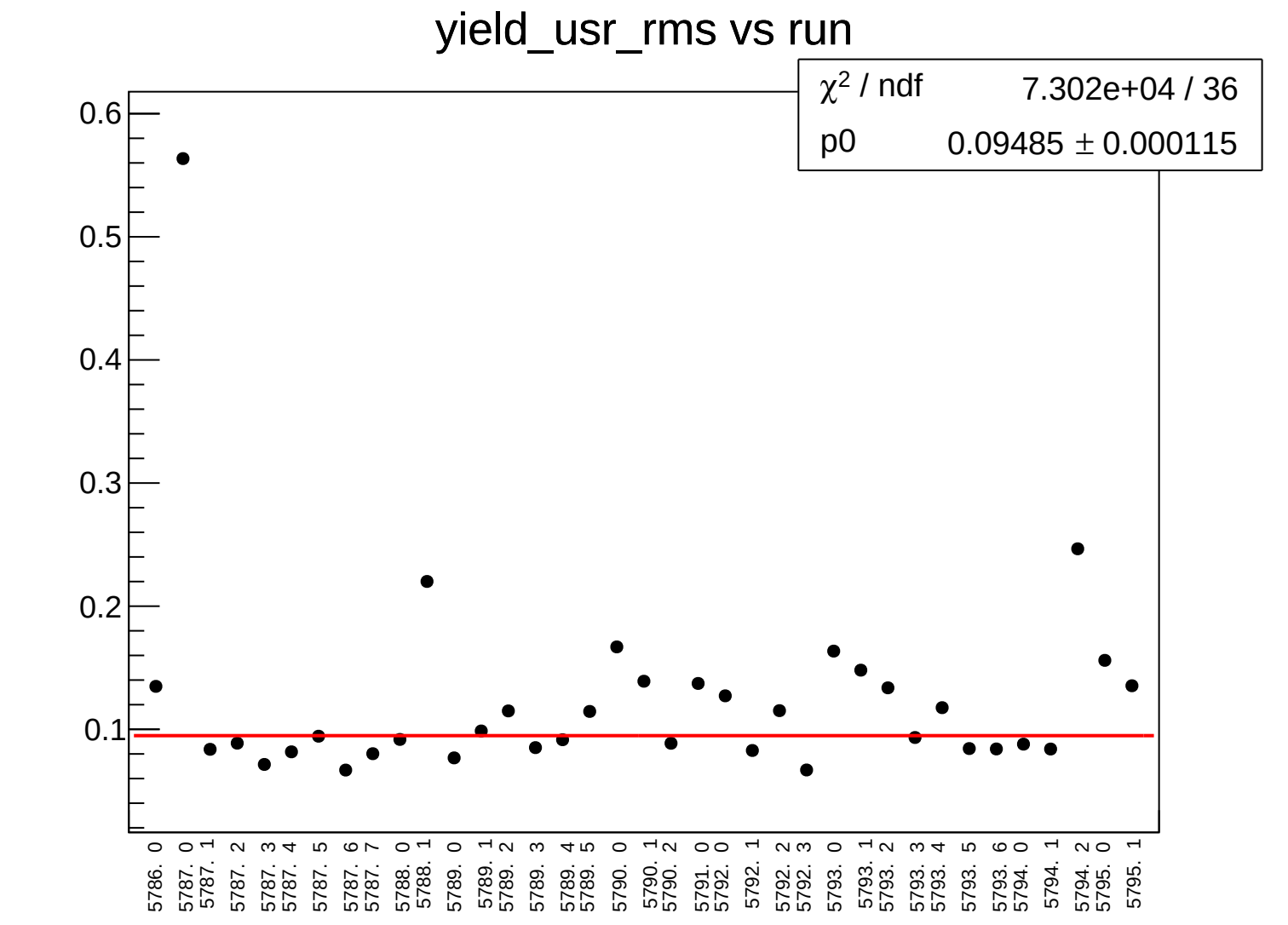

yield_usl_mean vs run
χ² / ndf 4.766e+05 / 36
p0 31.38 ± 0.0001277
31.6
31.5
31.4
31.3
31.2
31.1
31
30.9
30.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 148.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200

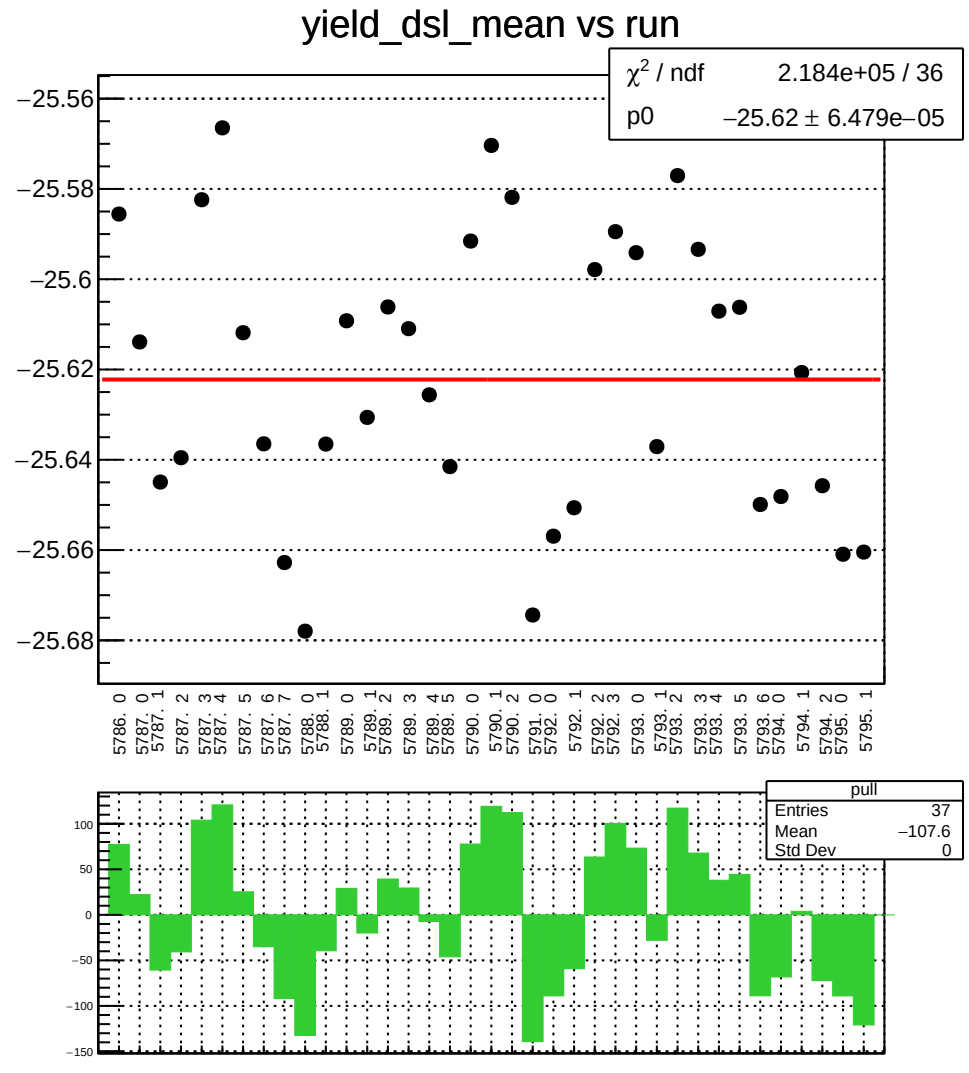

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

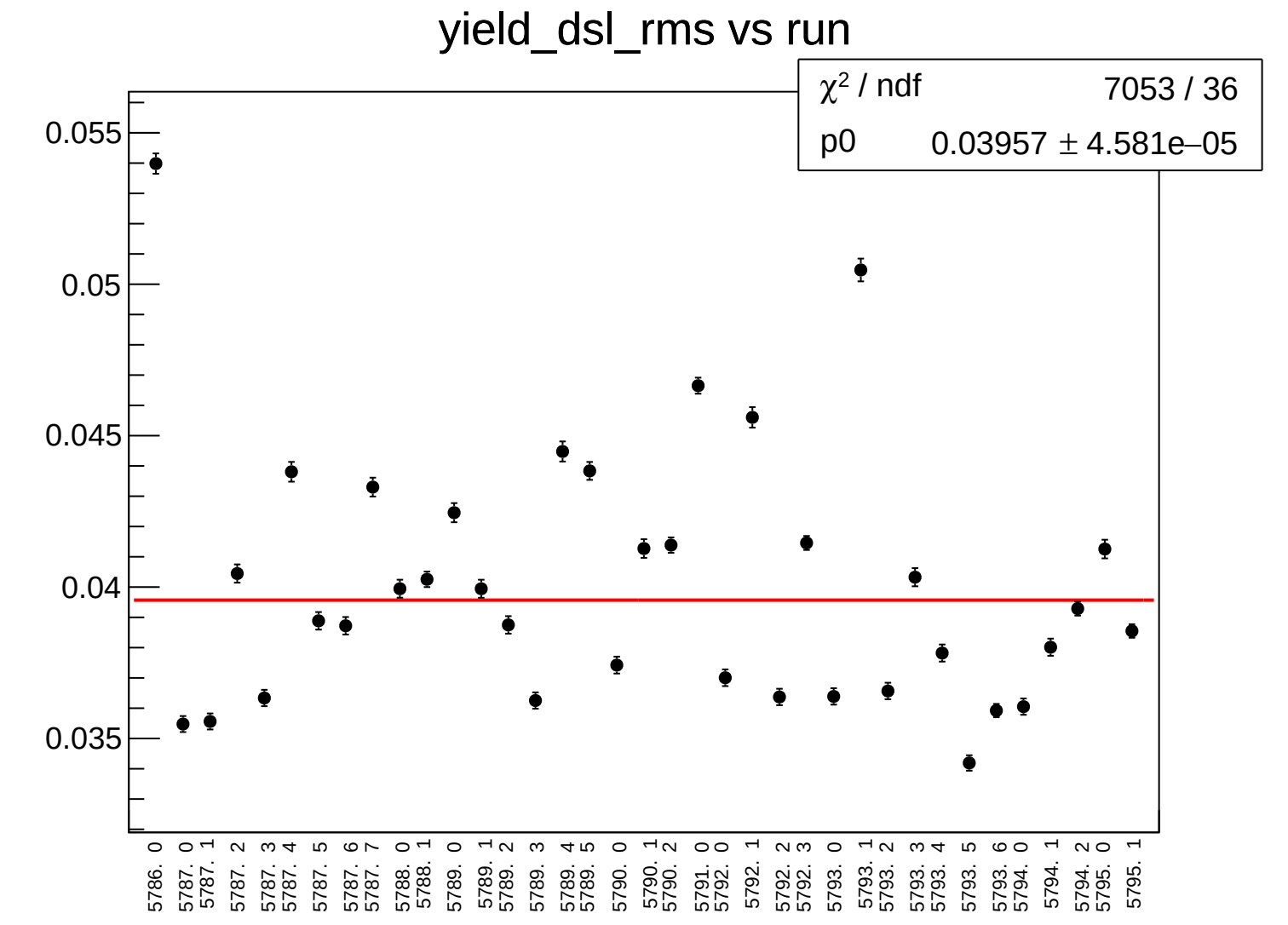

yield_usl_rms vs run
χ² / ndf 8.487e+04 / 36
p0 0.07381 ± 9.031e–05
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

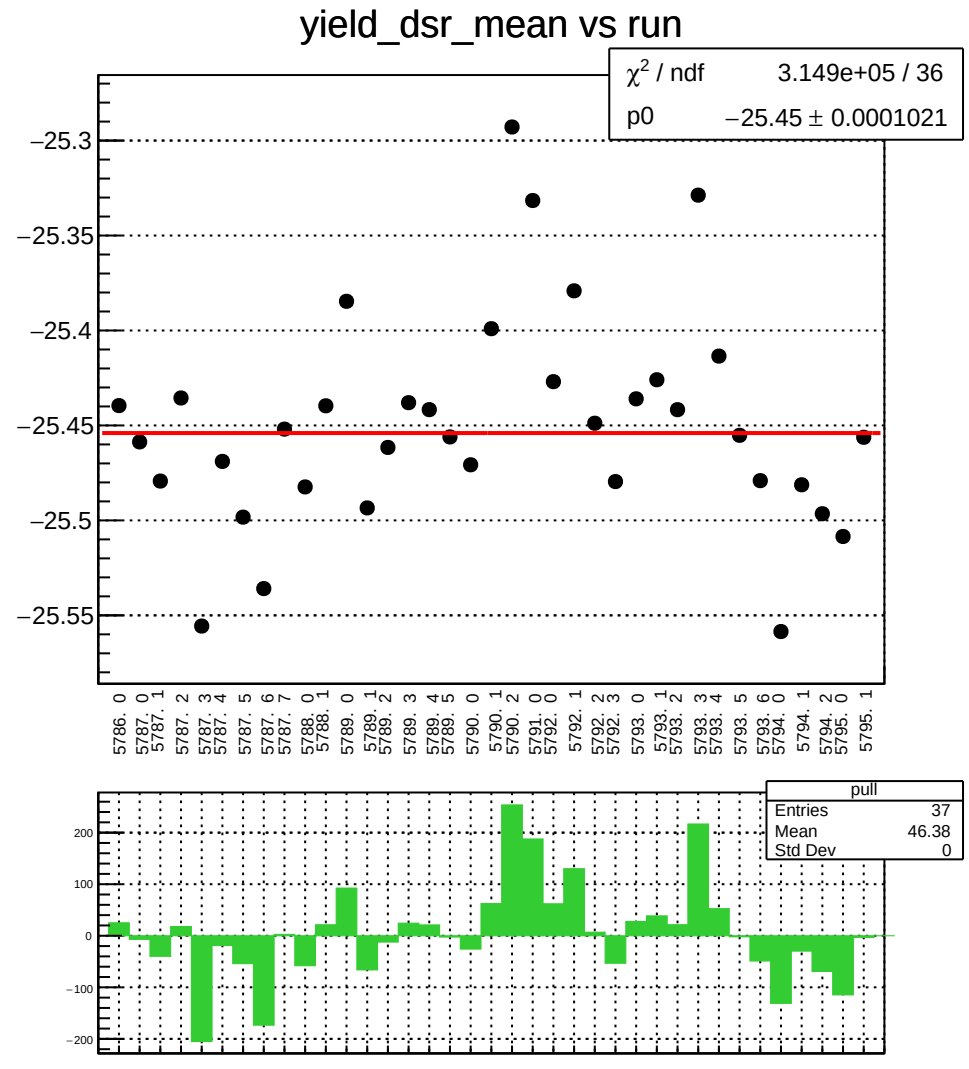

yield_usr_mean vs run
χ² / ndf 2.045e+05 / 36
p0 32.2 ± 0.0001627
32.3
32.2
32.1
32
31.9
31.8
31.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 112.9
Std Dev 0
100
50
0
−50
−100
−150
−200
−250

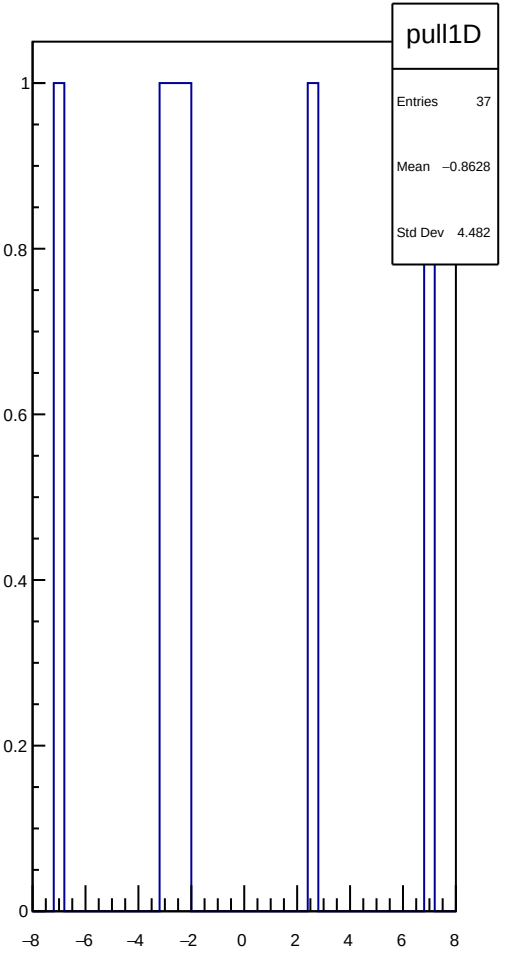

pull1D
Entries 37
Mean 4.787
Std Dev 2.91
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

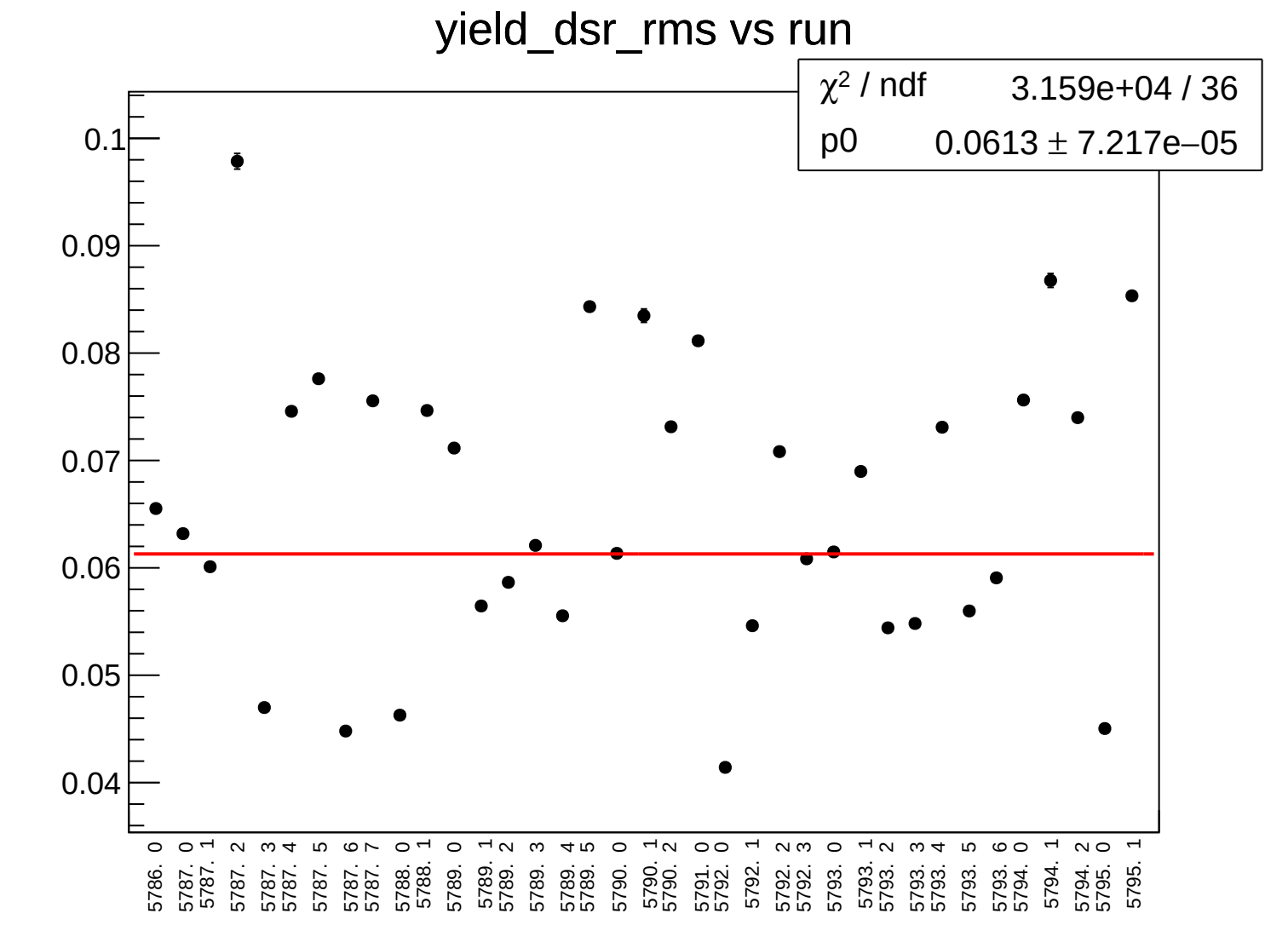

yield_usr_rms vs run
χ² / ndf 7.302e+04 / 36
p0 0.09485 ± 0.000115
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

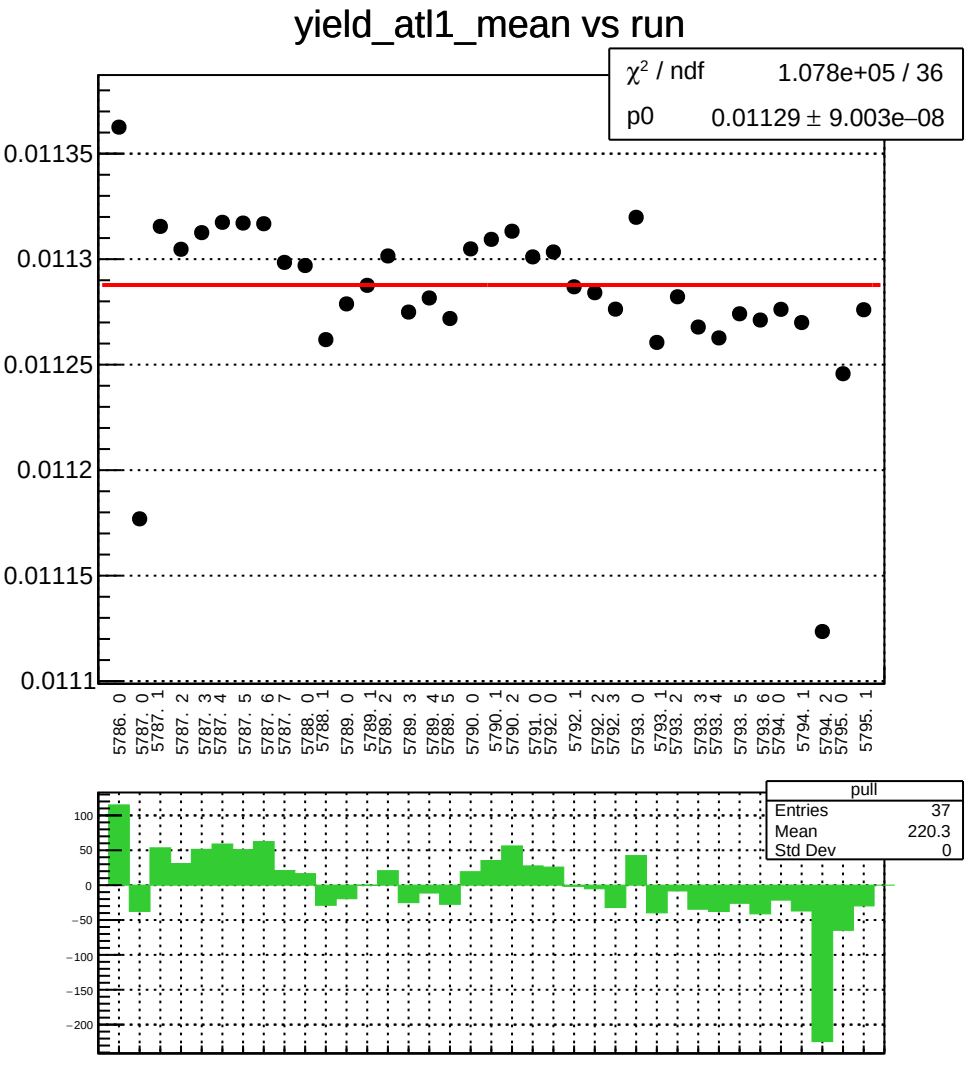

yield_dsl_mean vs run
χ² / ndf 2.184e+05 / 36
p0 −25.62 ± 6.479e−05
−25.56
−25.58
−25.6
−25.62
−25.64
−25.66
−25.68
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −107.6
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 37
Mean −1.701
Std Dev 5.556
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

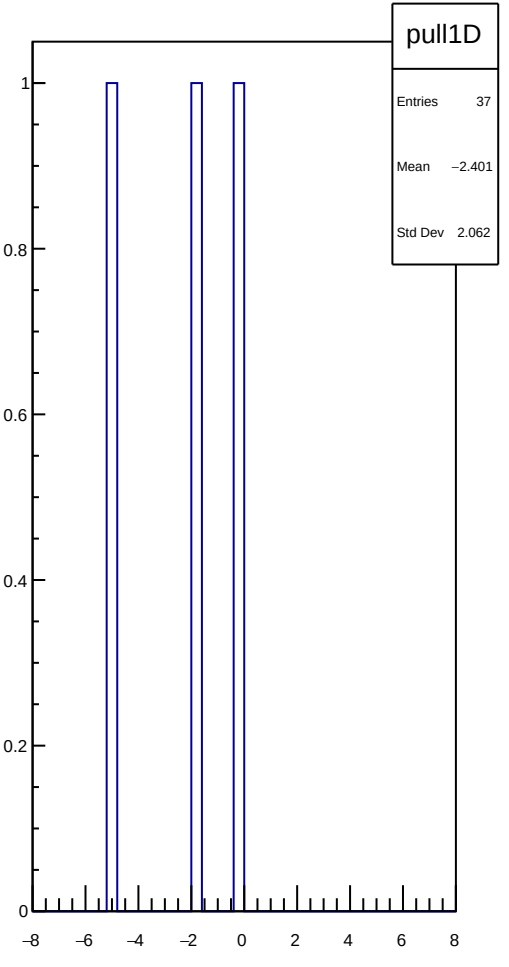

yield_dsl_rms vs run
χ² / ndf 7053 / 36
p0 0.03957 ± 4.581e–05
0.055
0.05
0.045
0.04
0.035
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

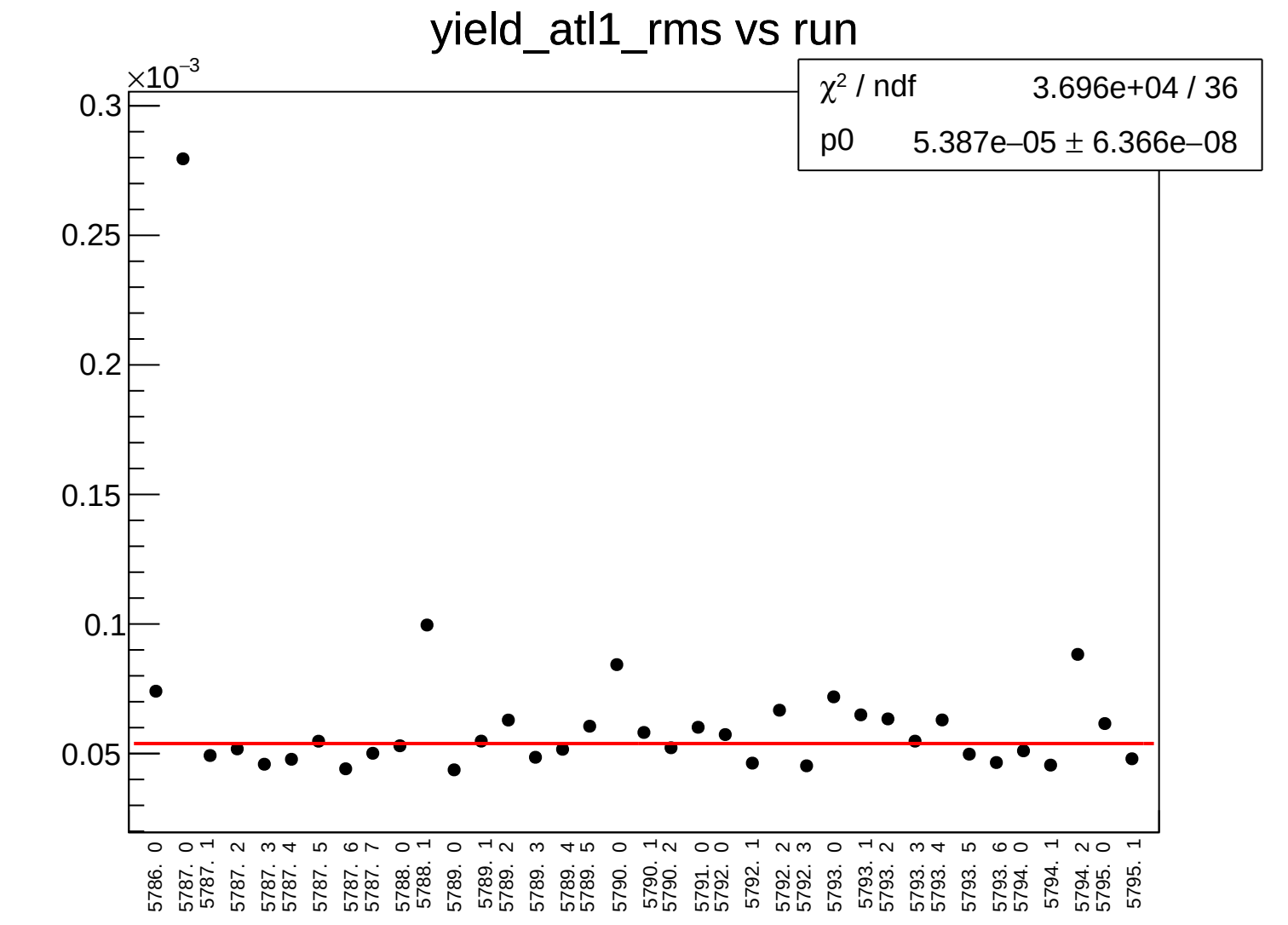

yield_dsr_mean vs run
χ² / ndf 3.149e+05 / 36
p0 −25.45 ± 0.0001021
−25.3
−25.35
−25.4
−25.45
−25.5
−25.55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 46.38
Std Dev 0
200
100
0
−100
−200

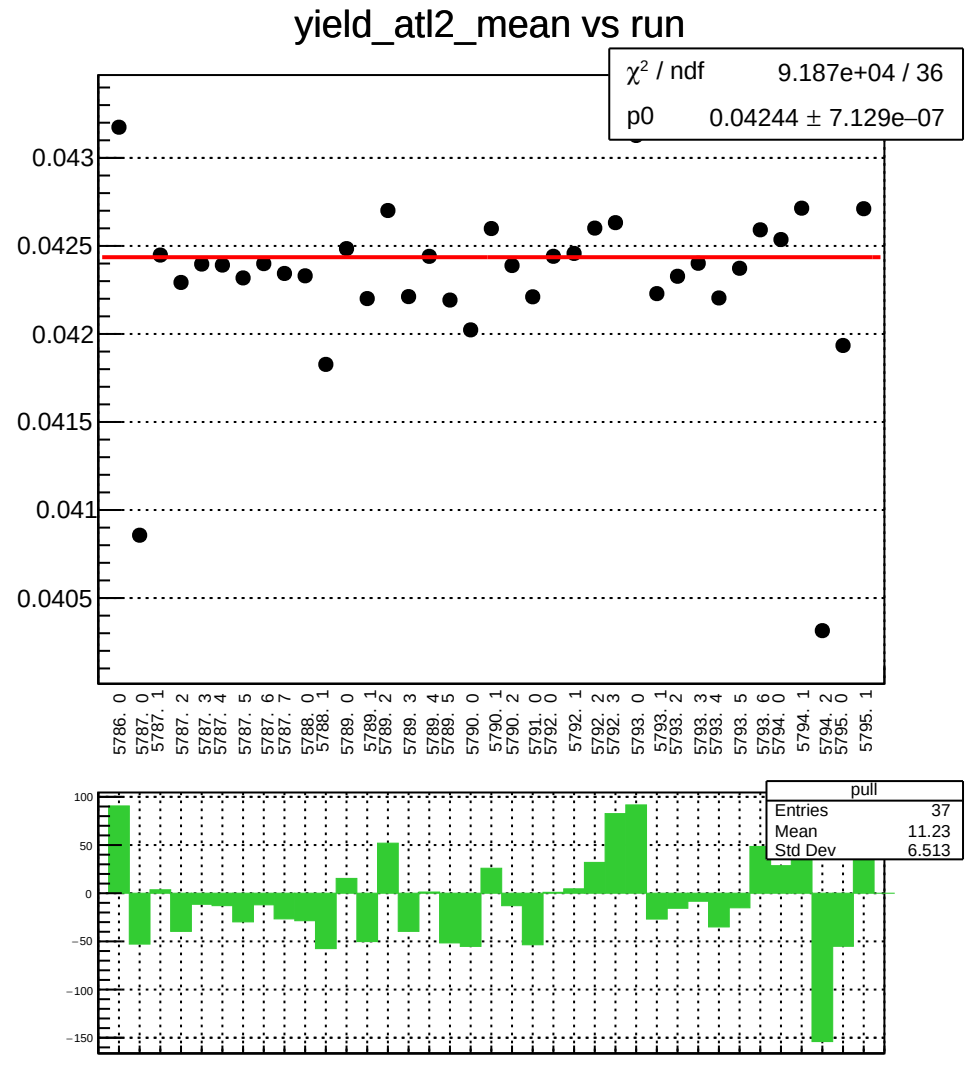

pull1D
Entries 37
Mean −0.8628
Std Dev 4.482
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

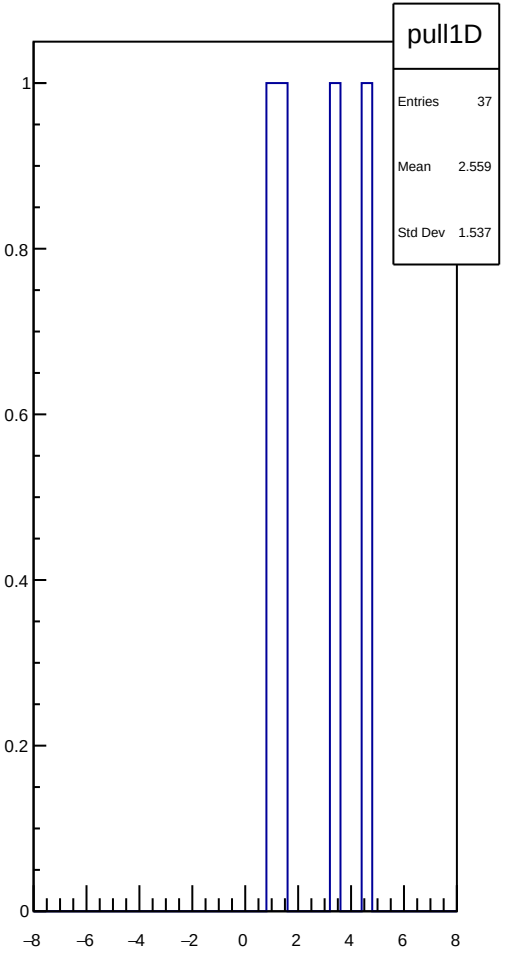

yield_dsr_rms vs run
χ² / ndf 3.159e+04 / 36
p0 0.0613 ± 7.217e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

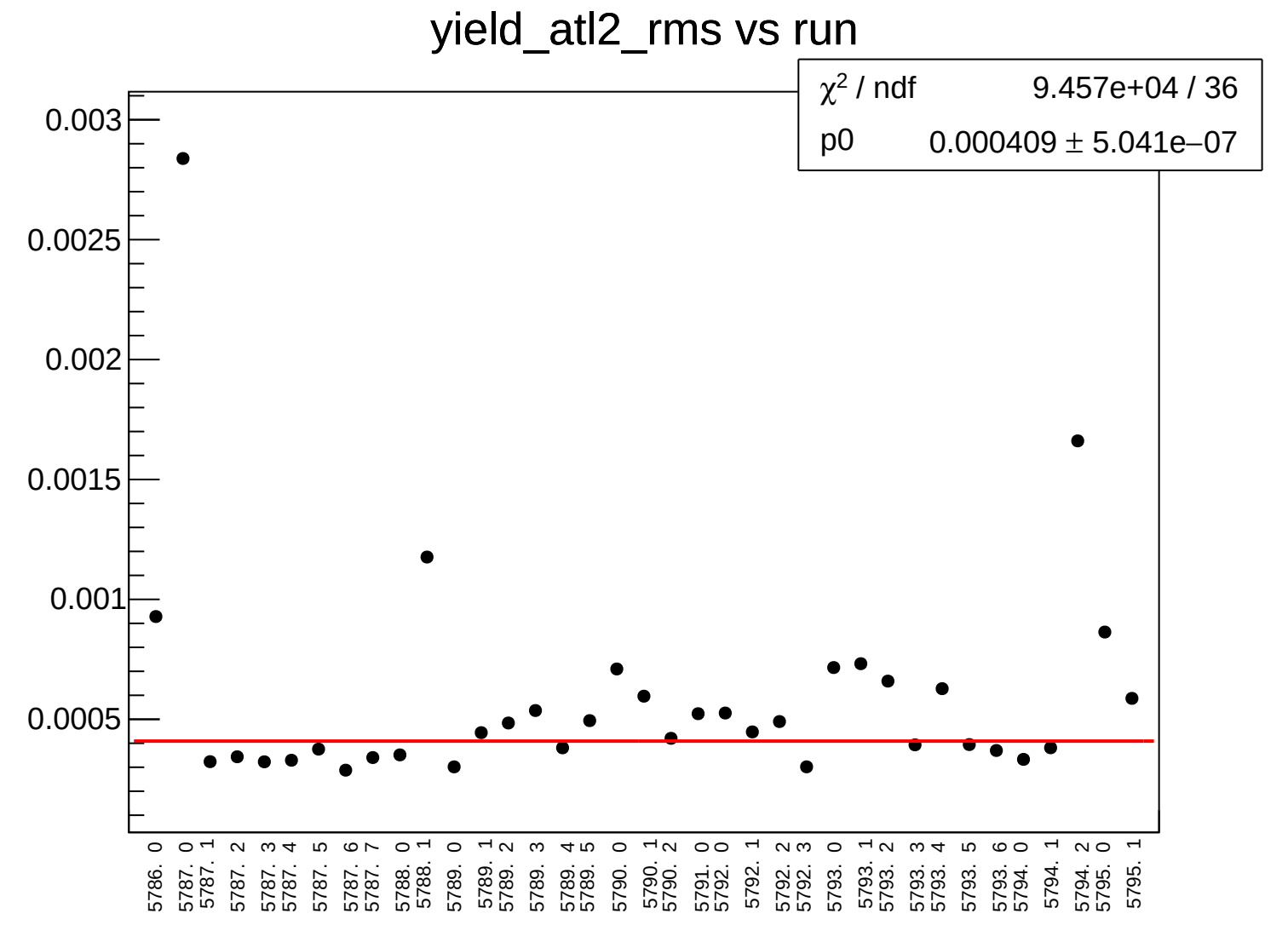

yield_atl1_mean vs run
χ² / ndf 1.078e+05 / 36
p0 0.01129 ± 9.003e−08
0.01135
0.0113
0.01125
0.0112
0.01115
0.0111
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 220.3
Std Dev 0
100
50
0
−50
−100
−150
−200

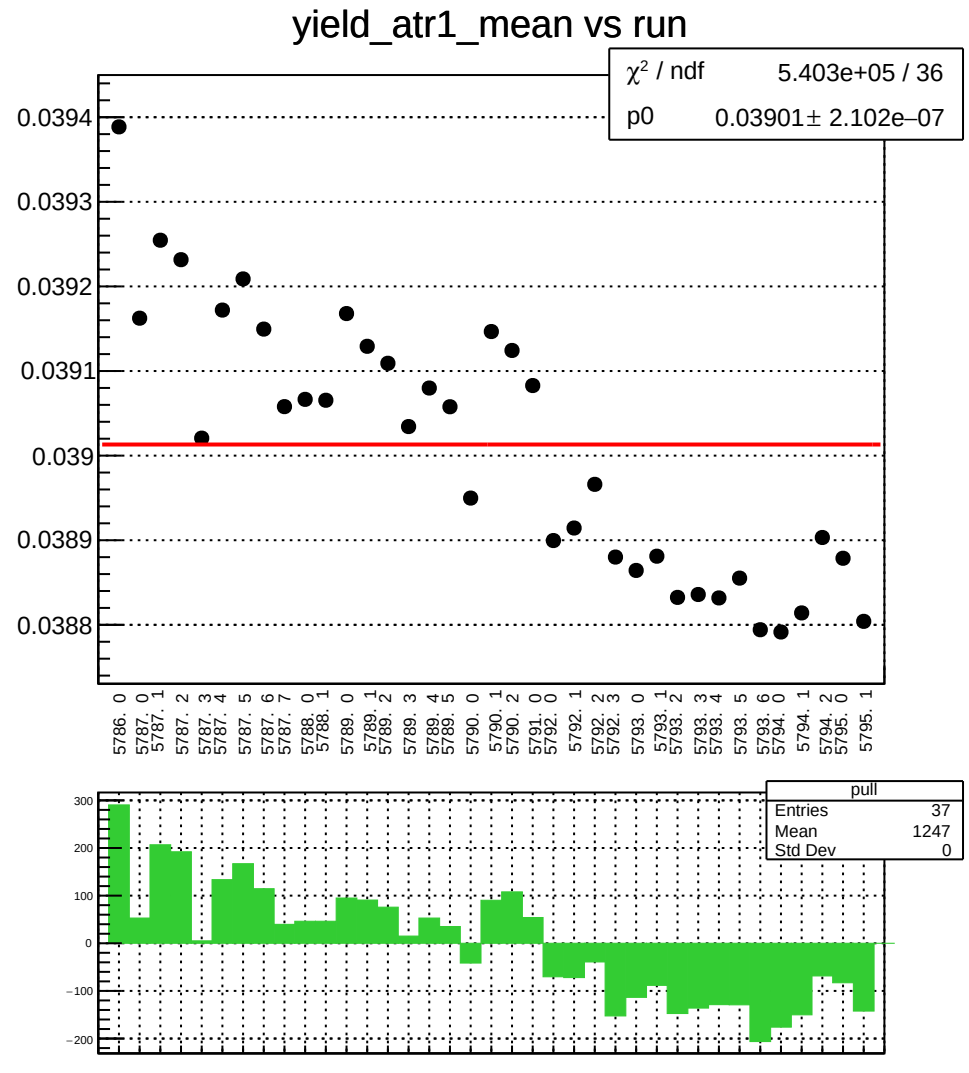

pull1D
Entries 37
Mean −2.401
Std Dev 2.062
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

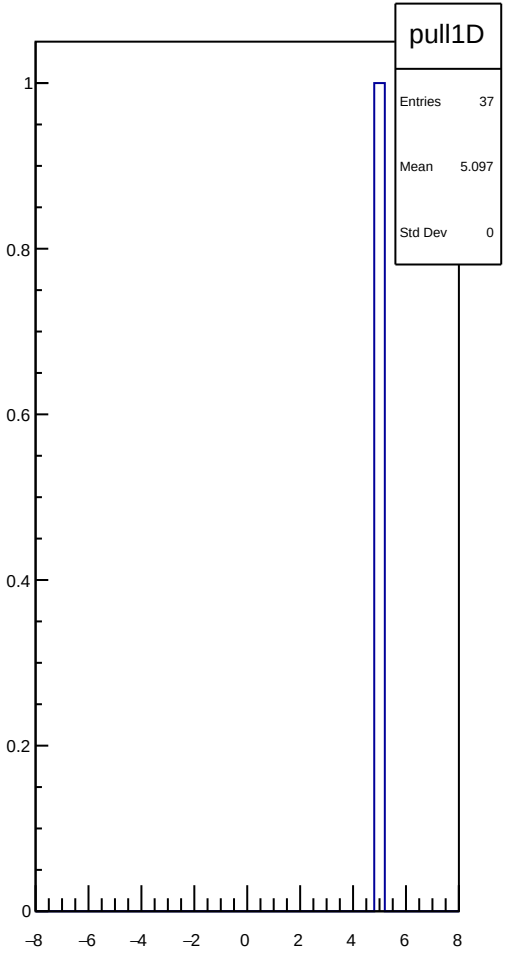

yield_atl1_rms vs run
×10⁻³
0.3
0.25
0.2
0.15
0.1
0.05
χ² / ndf 3.696e+04 / 36
p0 5.387e−05 ± 6.366e−08
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

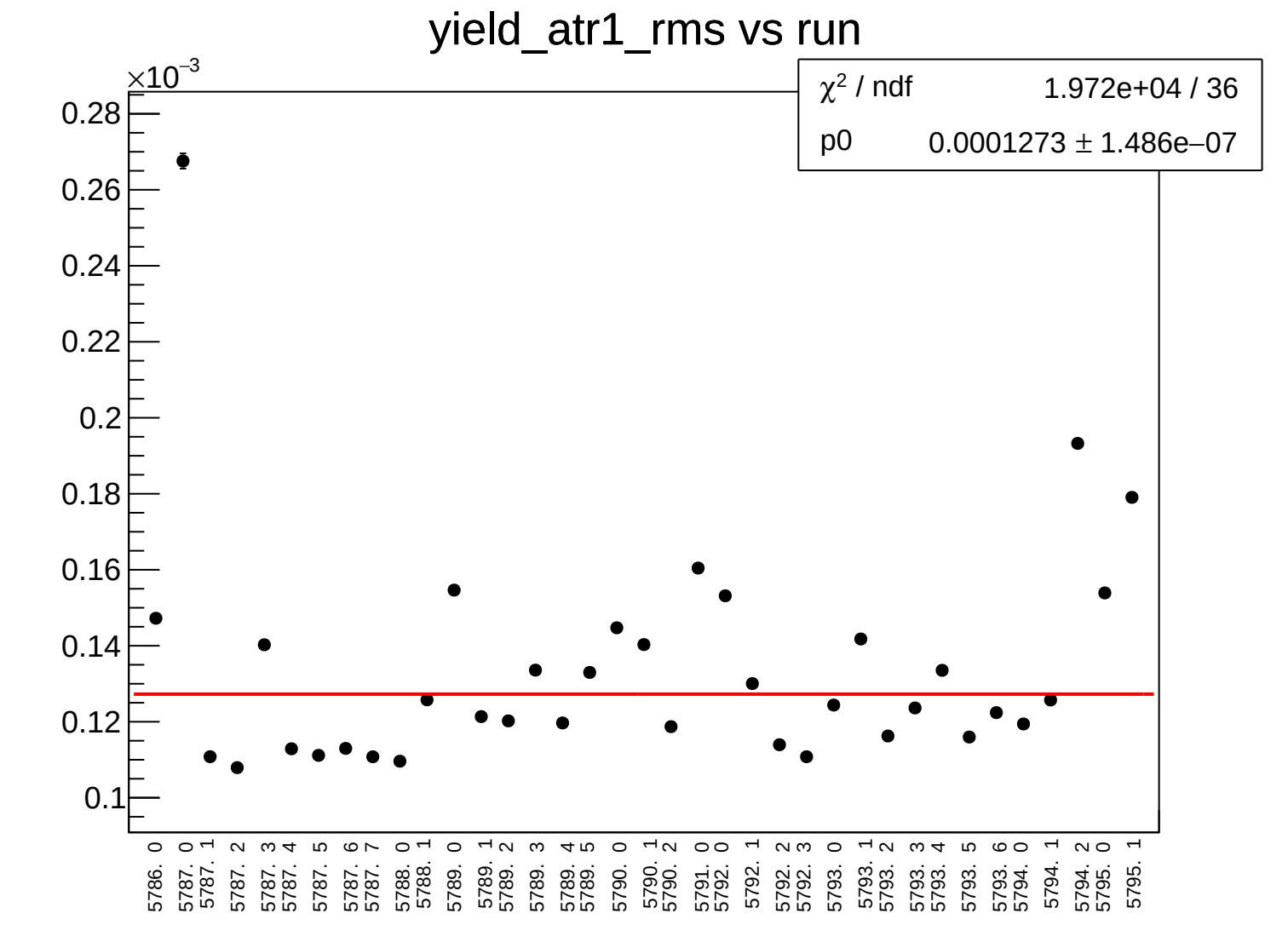

yield_atl2_mean vs run
χ² / ndf 9.187e+04 / 36
p0 0.04244 ± 7.129e−07
0.043
0.0425
0.042
0.0415
0.041
0.0405
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.23
Std Dev 6.513
100
50
0
−50
−100
−150

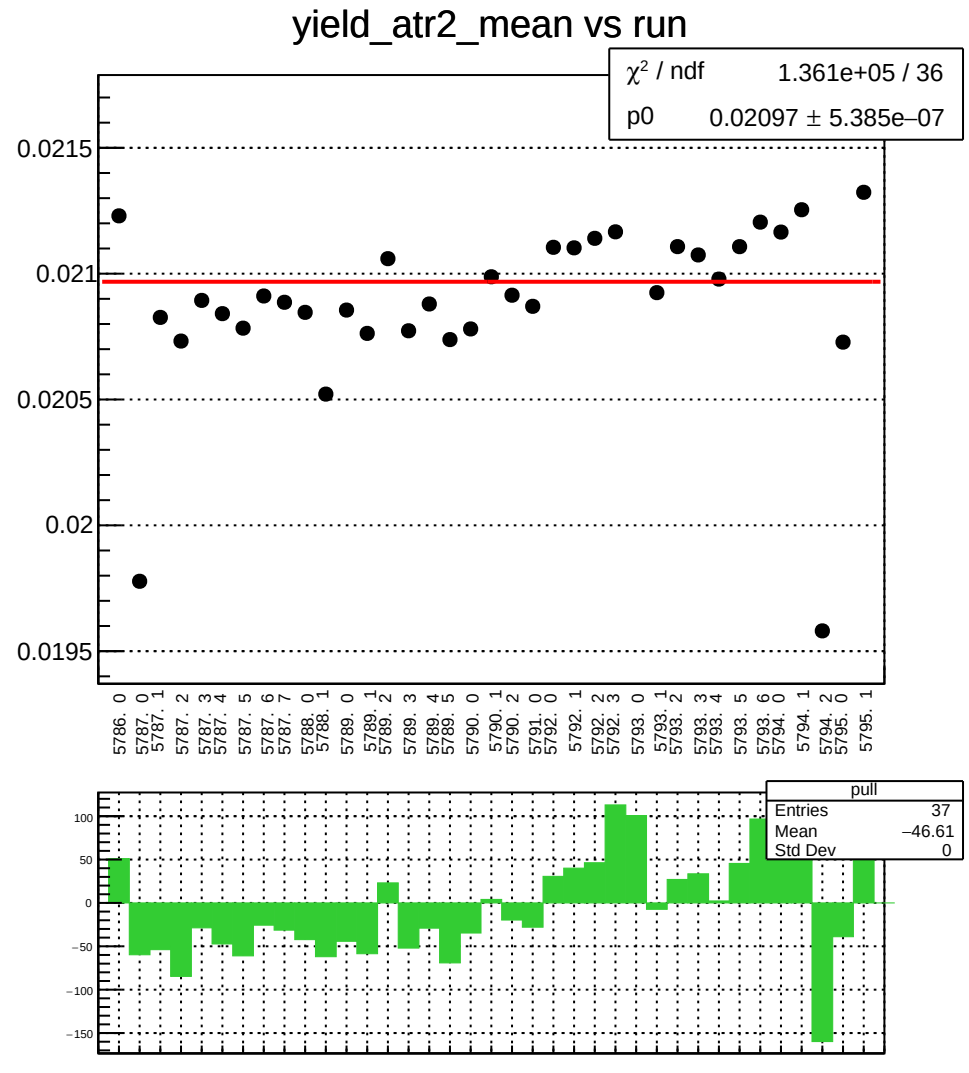

pull1D
Entries 37
Mean 2.559
Std Dev 1.537
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

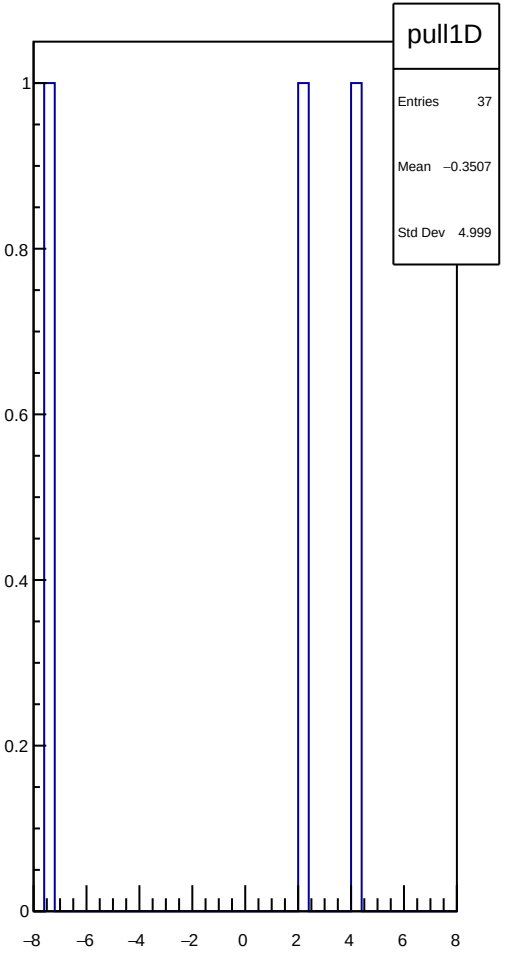

yield_atl2_rms vs run
χ² / ndf 9.457e+04 / 36
p0 0.000409 ± 5.041e−07
0.003
0.0025
0.002
0.0015
0.001
0.0005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

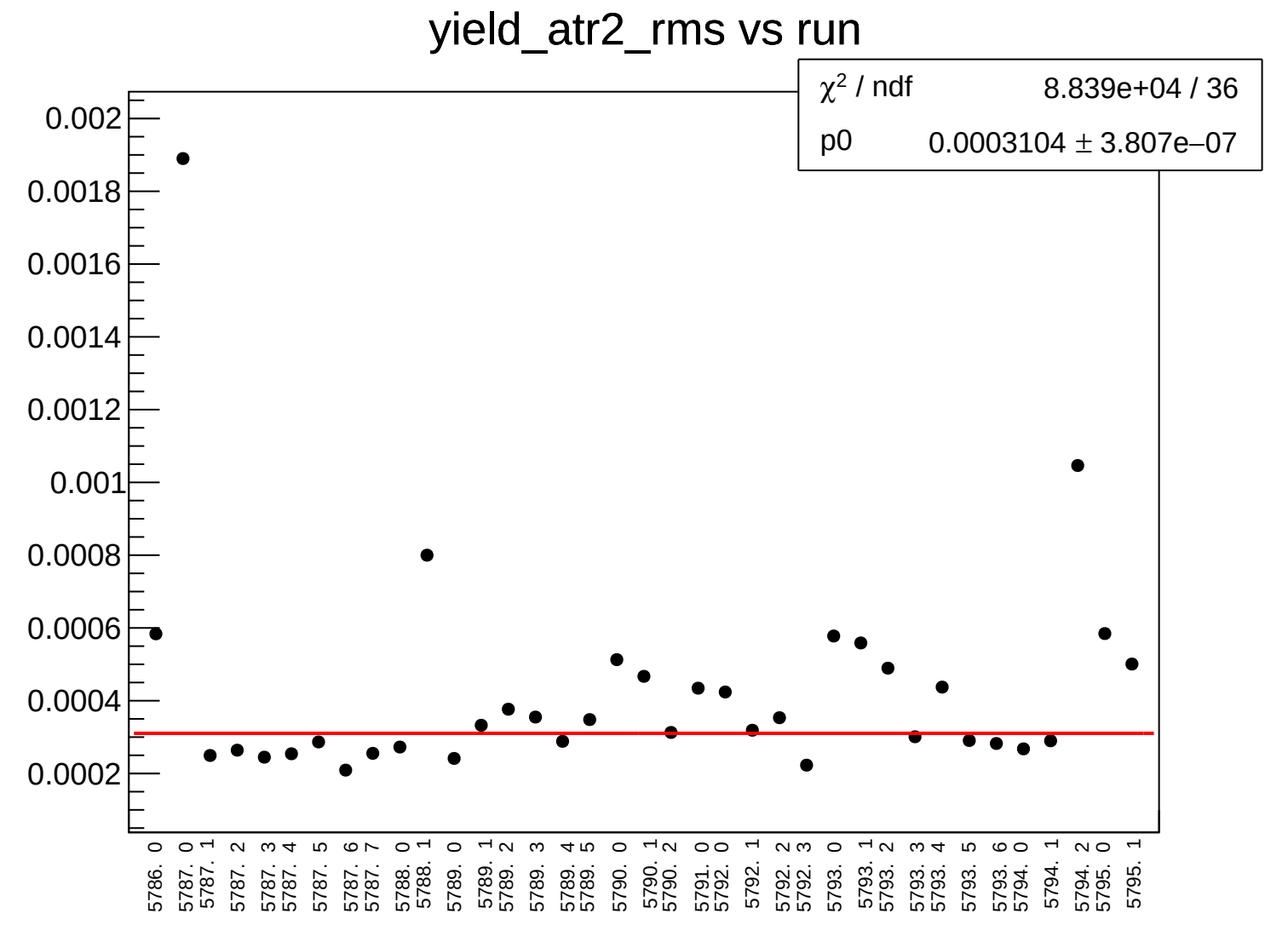

yield_atr1_mean vs run
χ² / ndf 5.403e+05 / 36
p0 0.03901± 2.102e–07
0.0394
0.0393
0.0392
0.0391
0.039
0.0389
0.0388
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1247
Std Dev 0
300
200
100
0
–100
–200

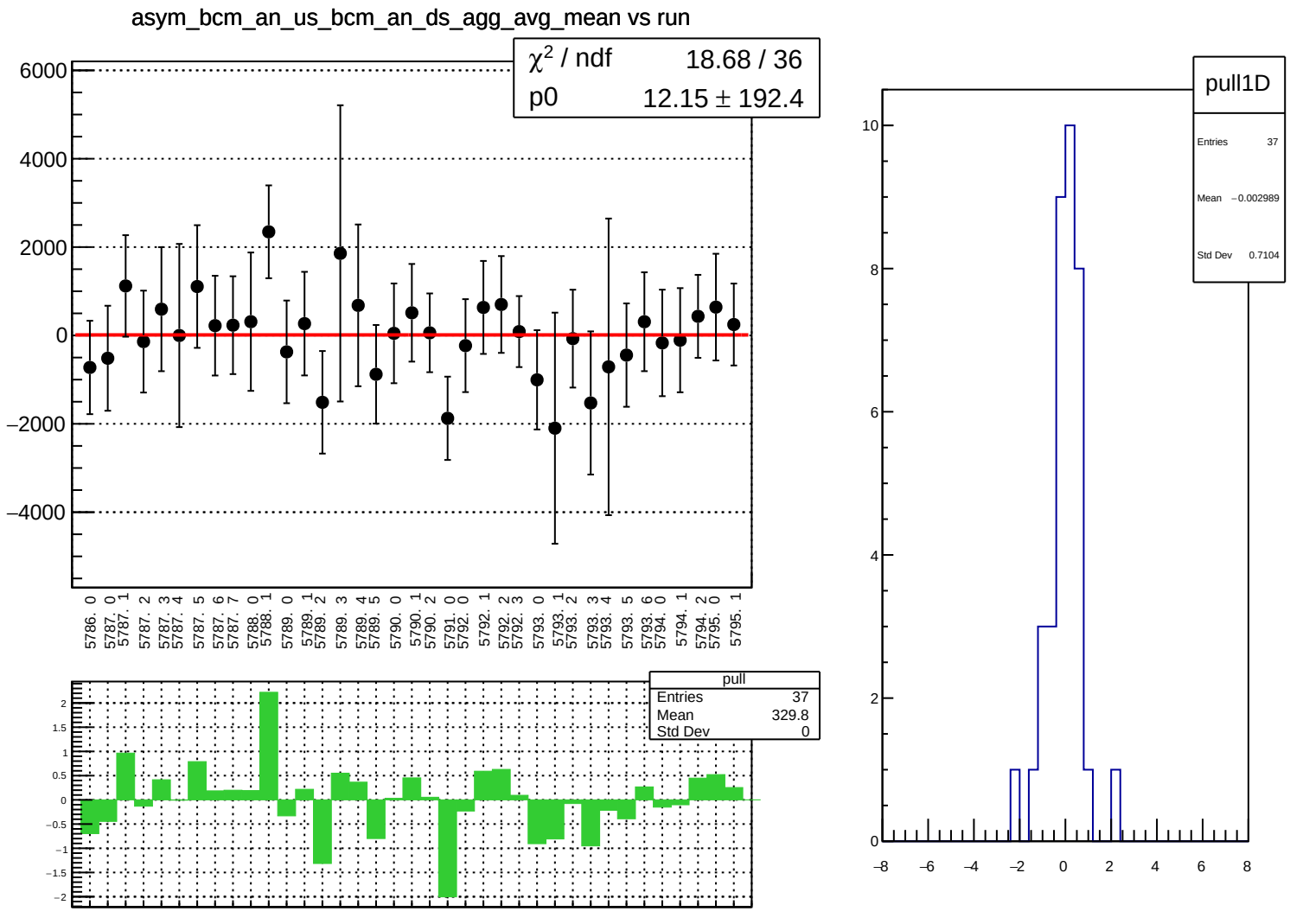

pull1D
Entries 37
Mean 5.097
Std Dev 0
1
0.8
0.6
0.4
0.2
0
–8
–6
–4
–2
0
2
4
6
8

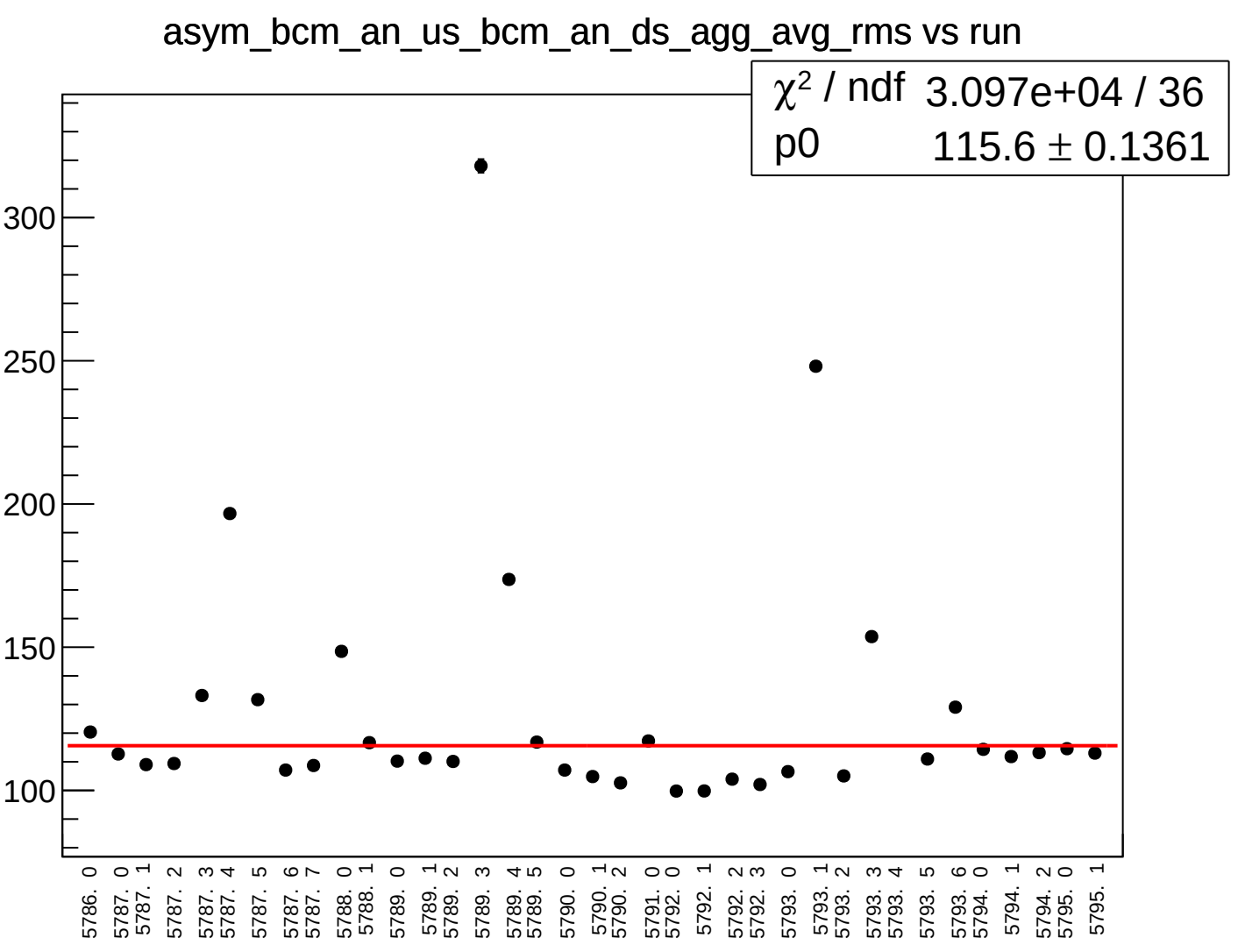

yield_atr1_rms vs run
×10⁻³
χ² / ndf 1.972e+04 / 36
p0 0.0001273 ± 1.486e−07
0.28
0.26
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

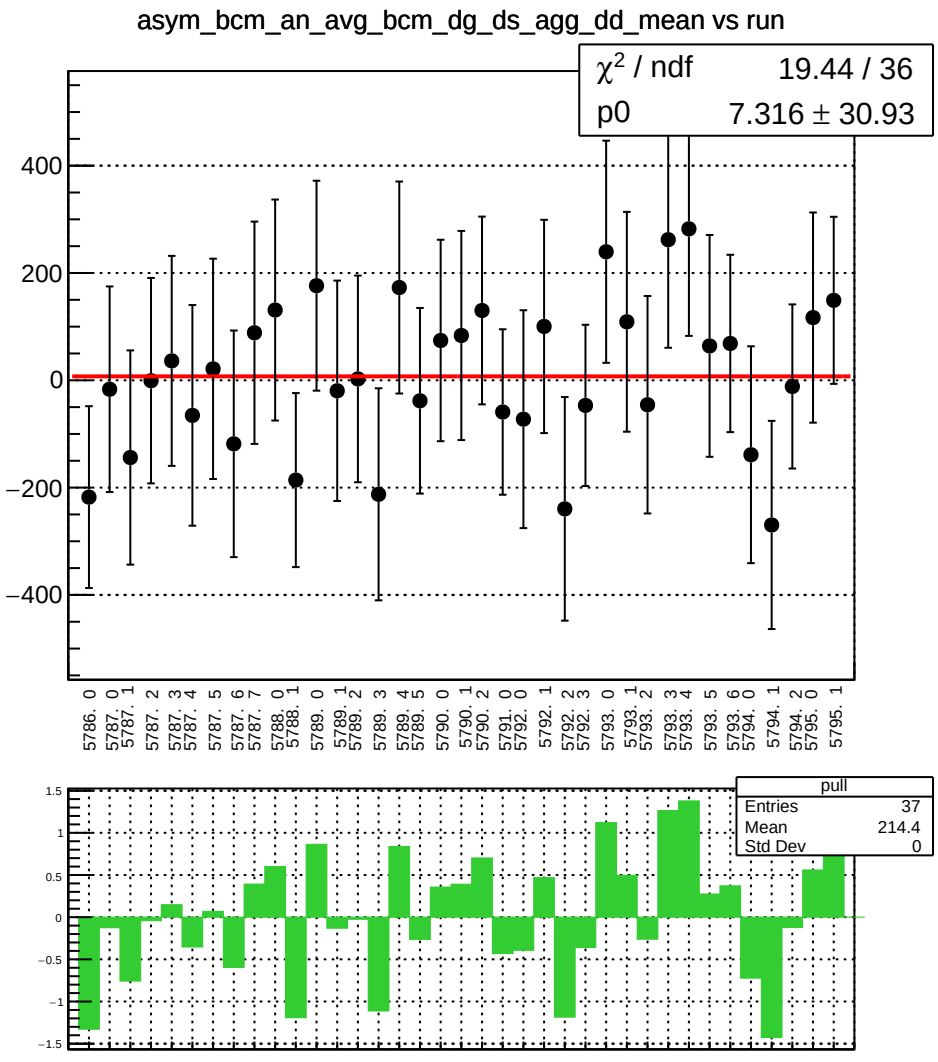

yield_atr2_mean vs run
χ² / ndf 1.361e+05 / 36
p0 0.02097 ± 5.385e−07
0.0215
0.021
0.0205
0.02
0.0195
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −46.61
Std Dev 0
100
50
0
−50
−100
−150

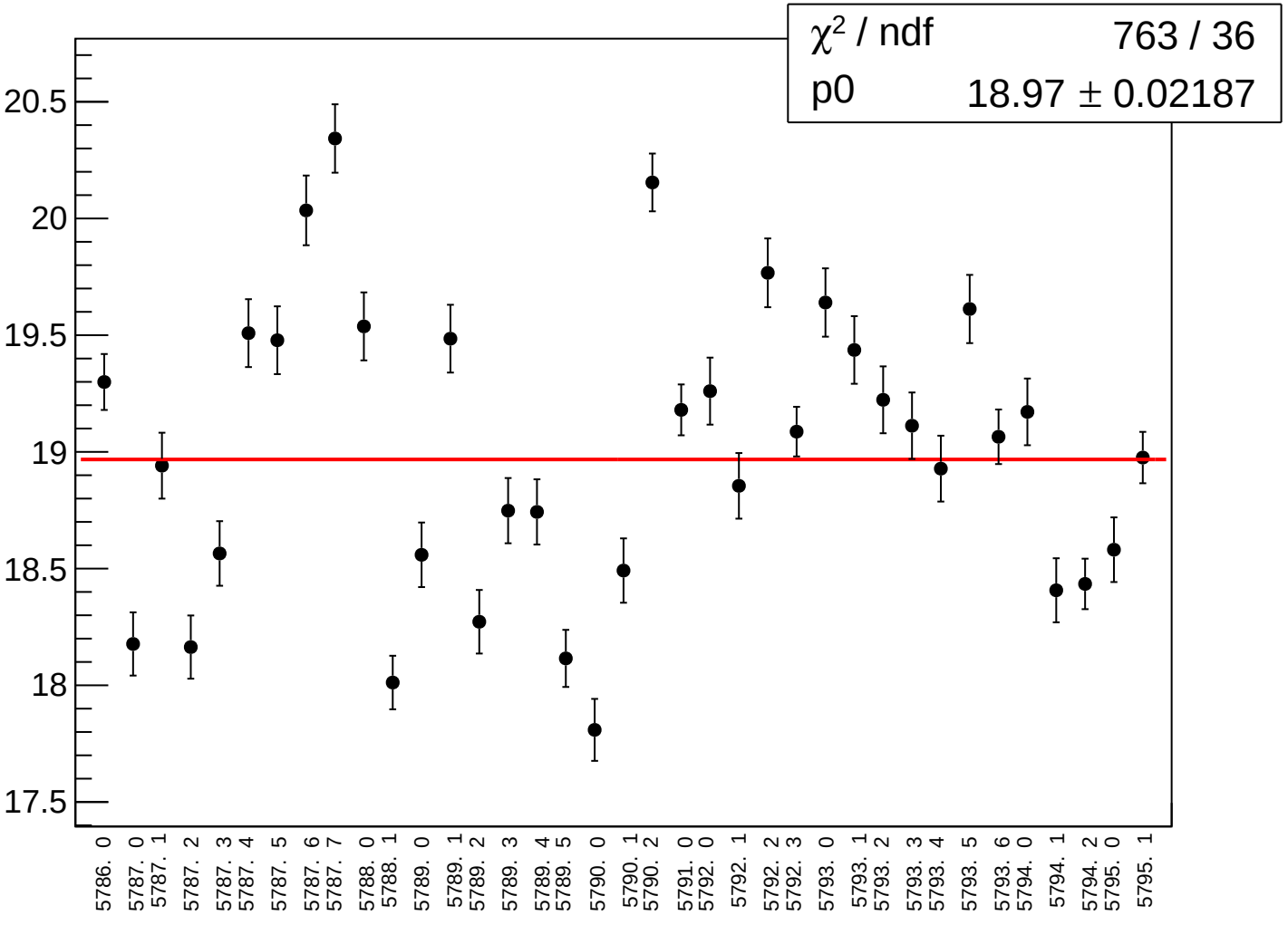

pull1D
Entries 37
Mean −0.3507
Std Dev 4.999
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

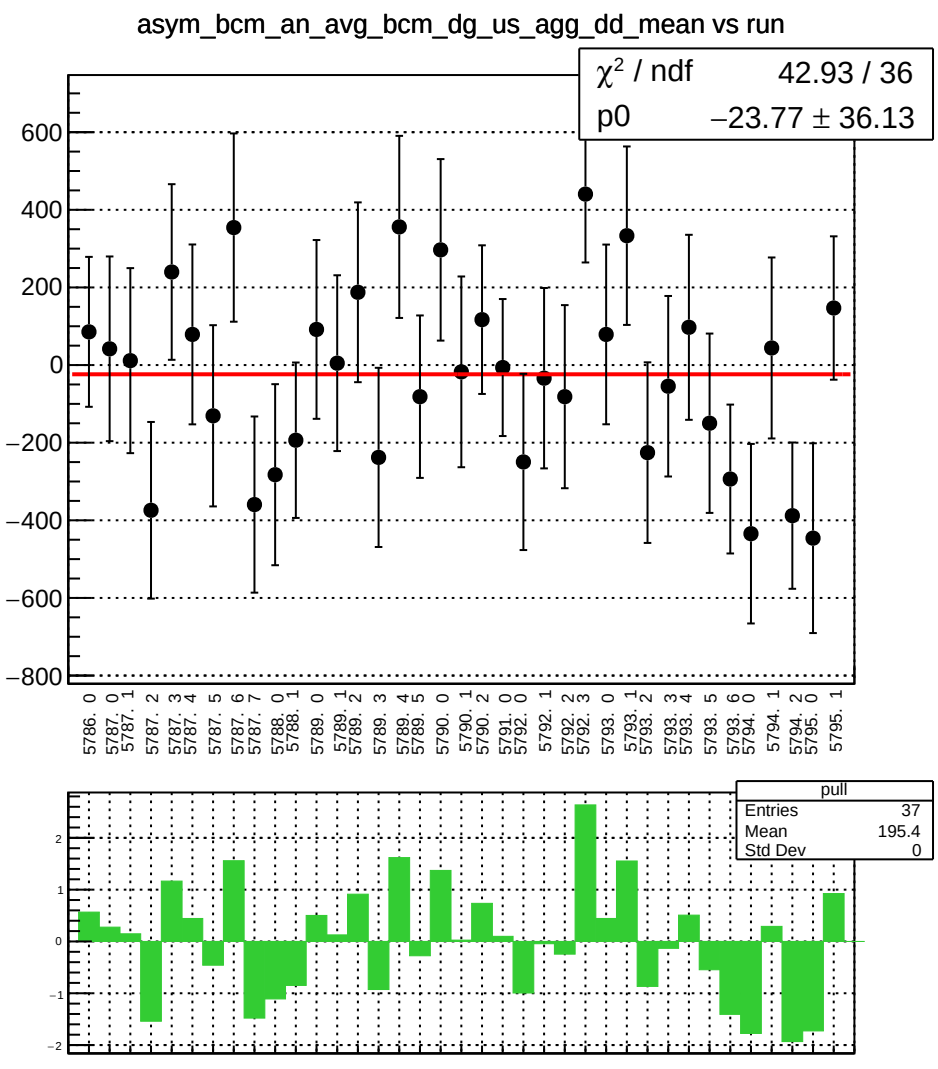

yield_atr2_rms vs run
χ² / ndf 8.839e+04 / 36
p0 0.0003104 ± 3.807e−07
0.002
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

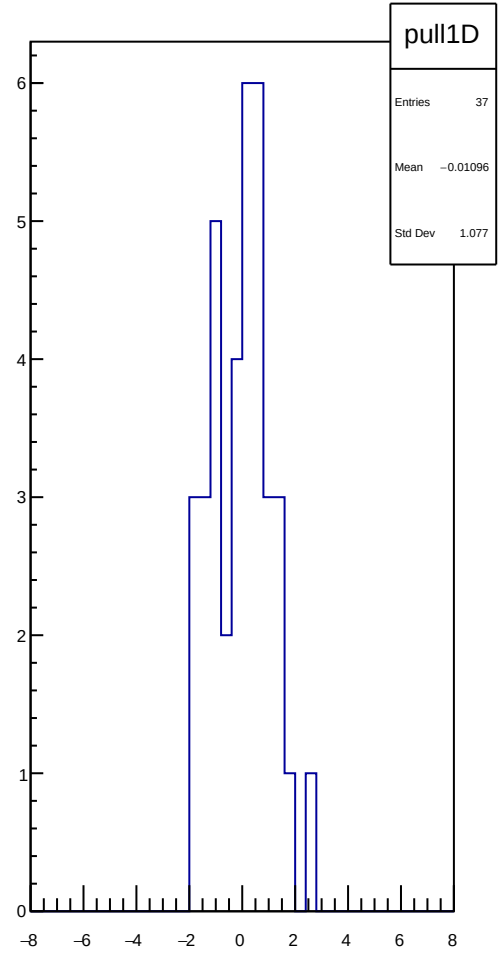

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 18.68 / 36
p0 12.15 ± 192.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 329.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002989
Std Dev 0.7104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

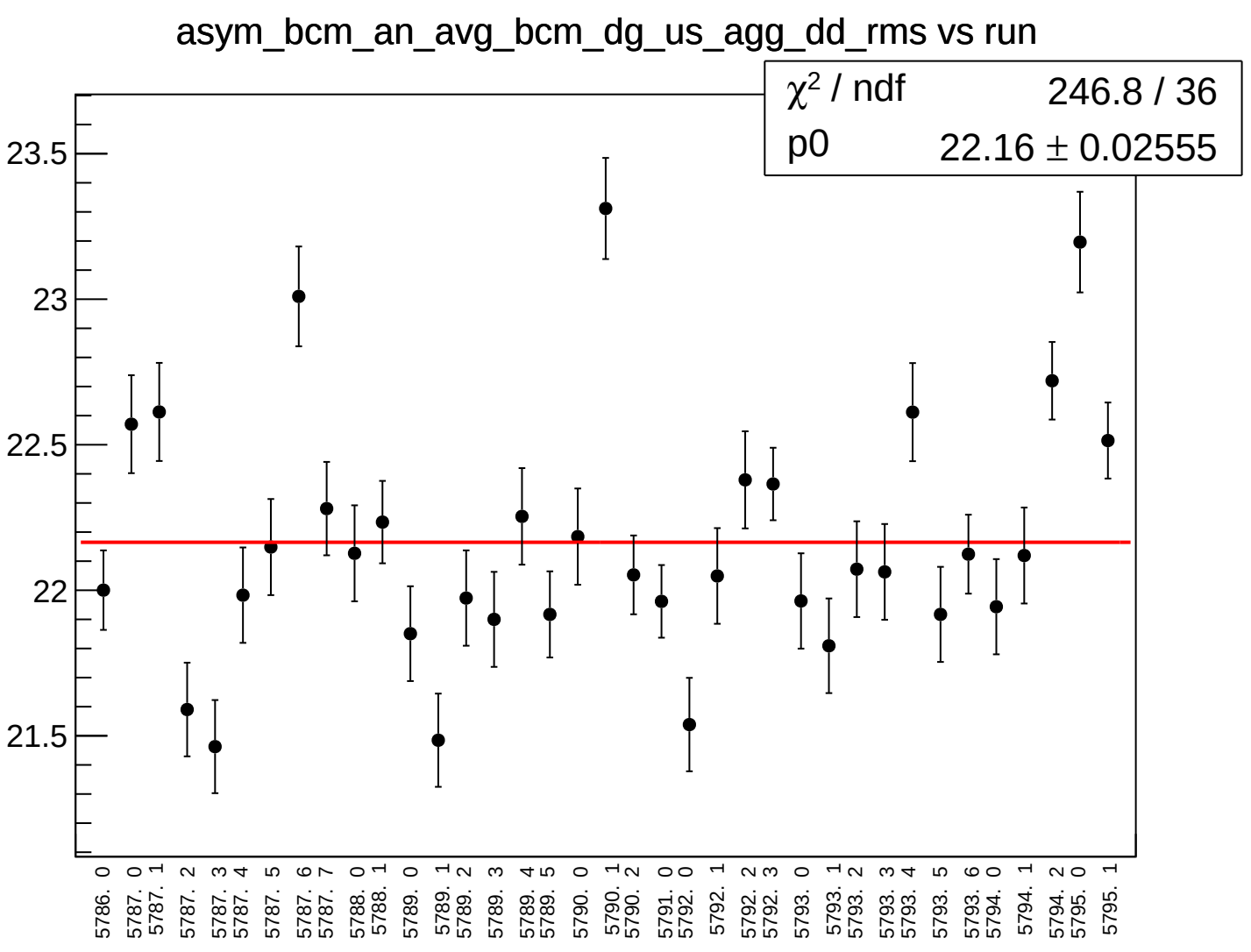

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.097e+04 / 36
p0 115.6 ± 0.1361
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

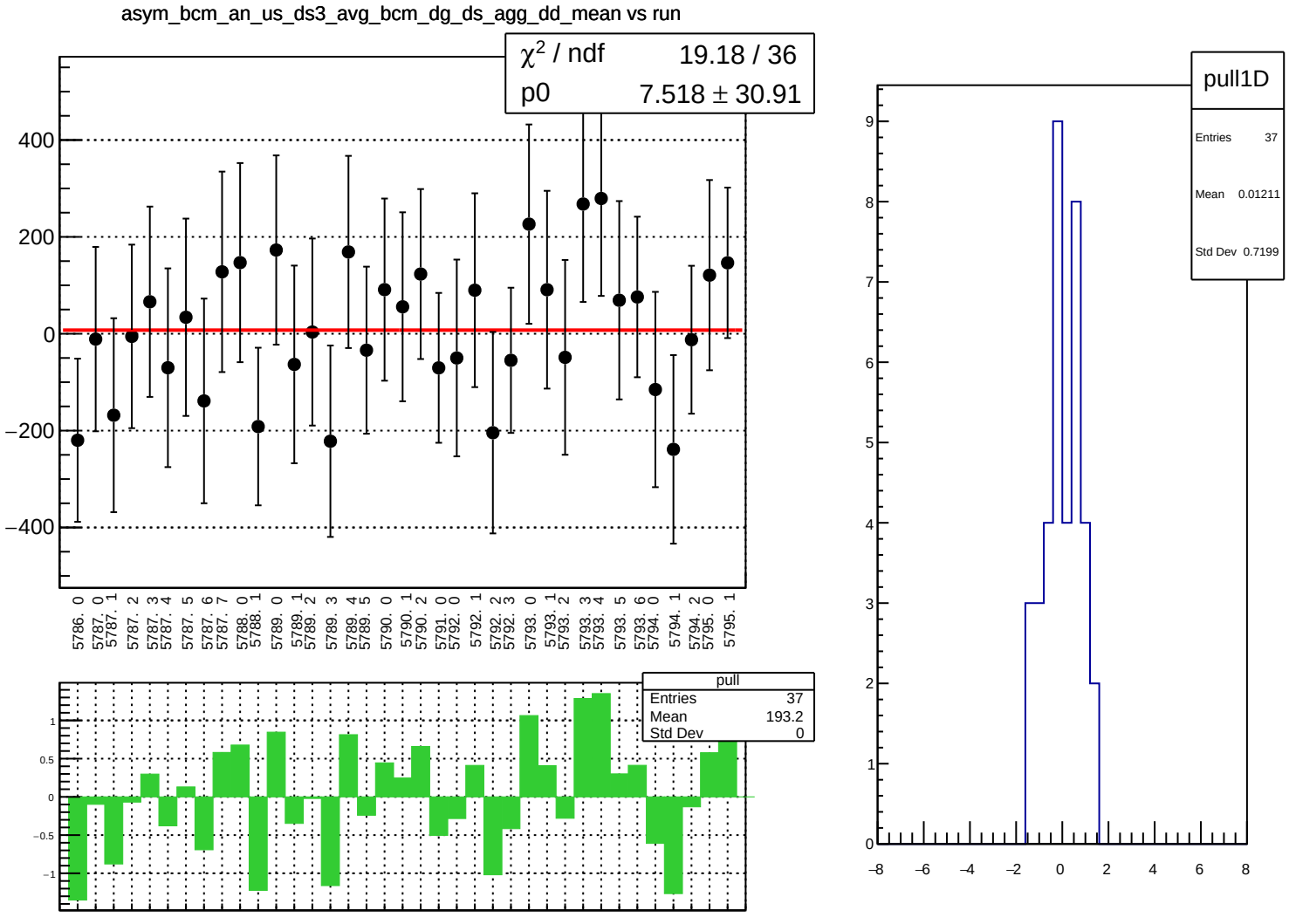

asym_bcm_an_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 19.44 / 36
p0 7.316 ± 30.93
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 214.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.01027
Std Dev 0.7247
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

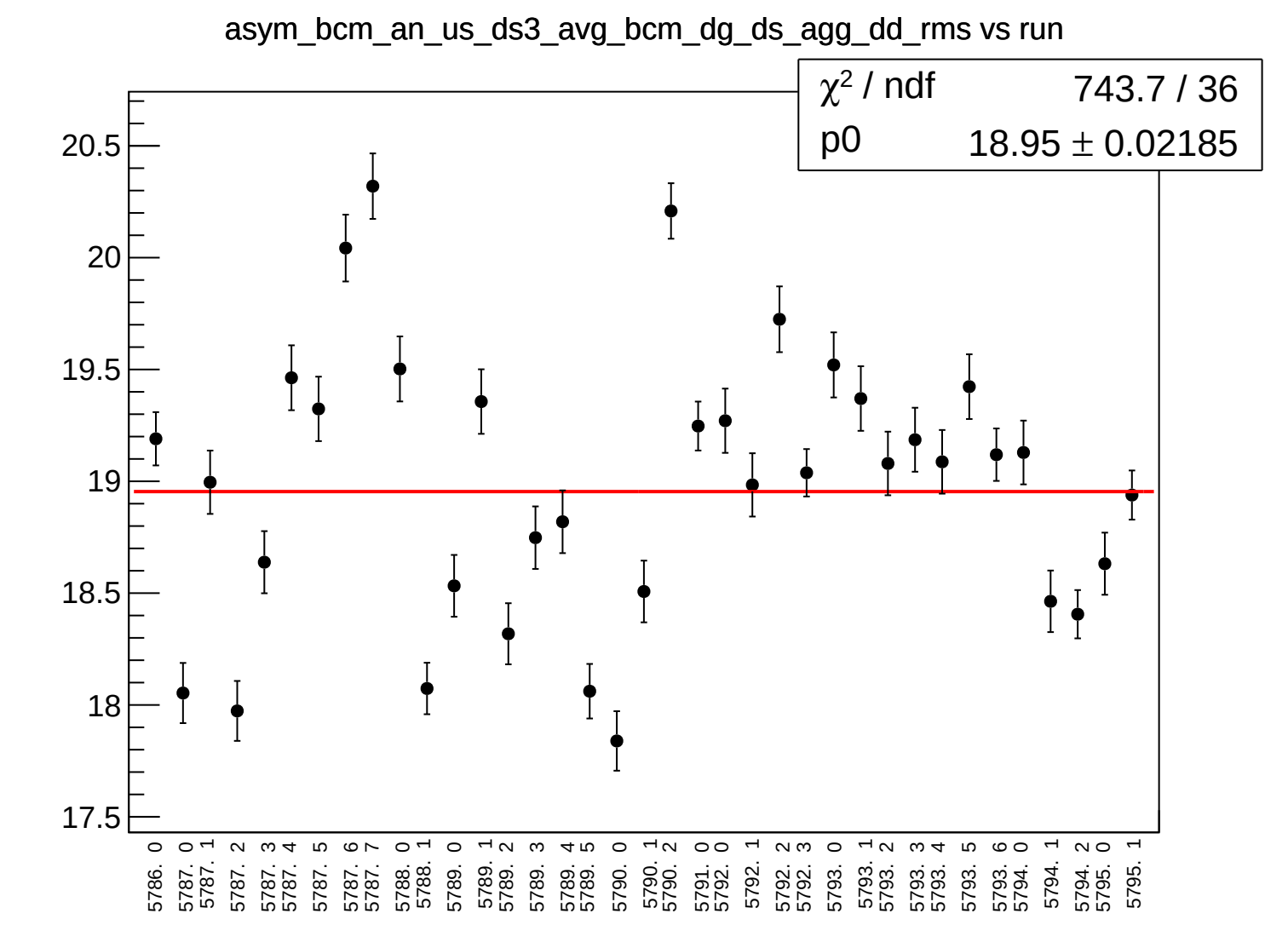

asym_bcm_an_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 763 / 36
p0 18.97 ± 0.02187
20.5
20
19.5
19
18.5
18
17.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

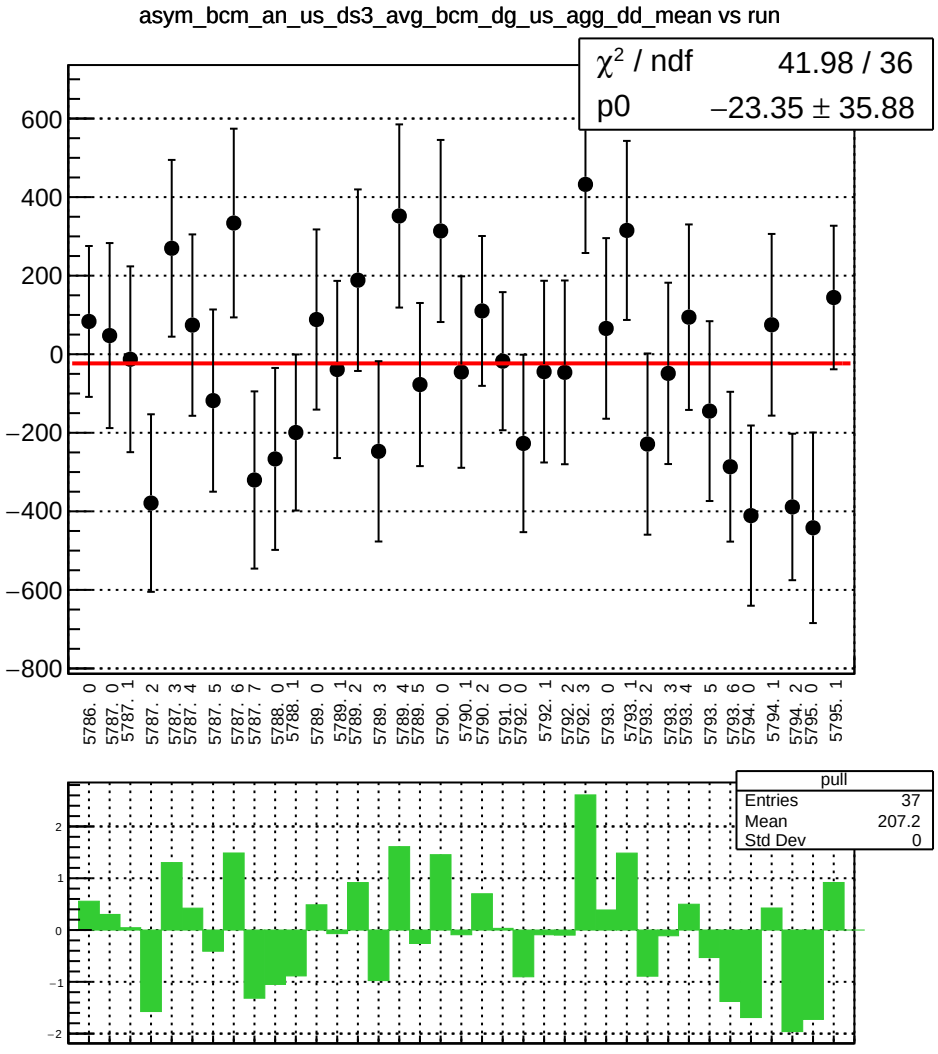

asym_bcm_an_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 42.93 / 36
p0 −23.77 ± 36.13
600
400
200
0
−200
−400
−600
−800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 195.4
Std Dev 0
2
1
0
−1
−2

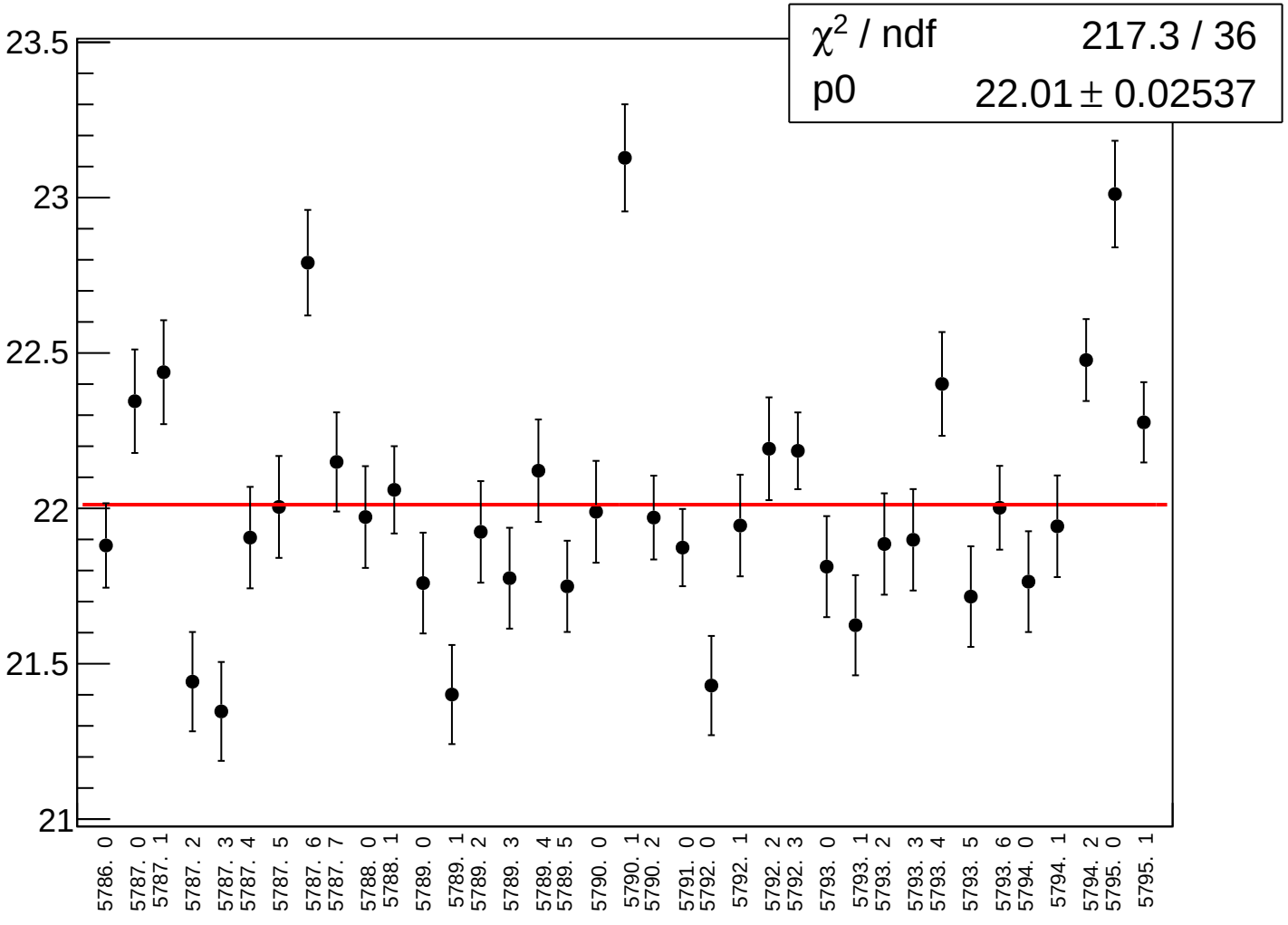

pull1D
Entries 37
Mean −0.01096
Std Dev 1.077
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

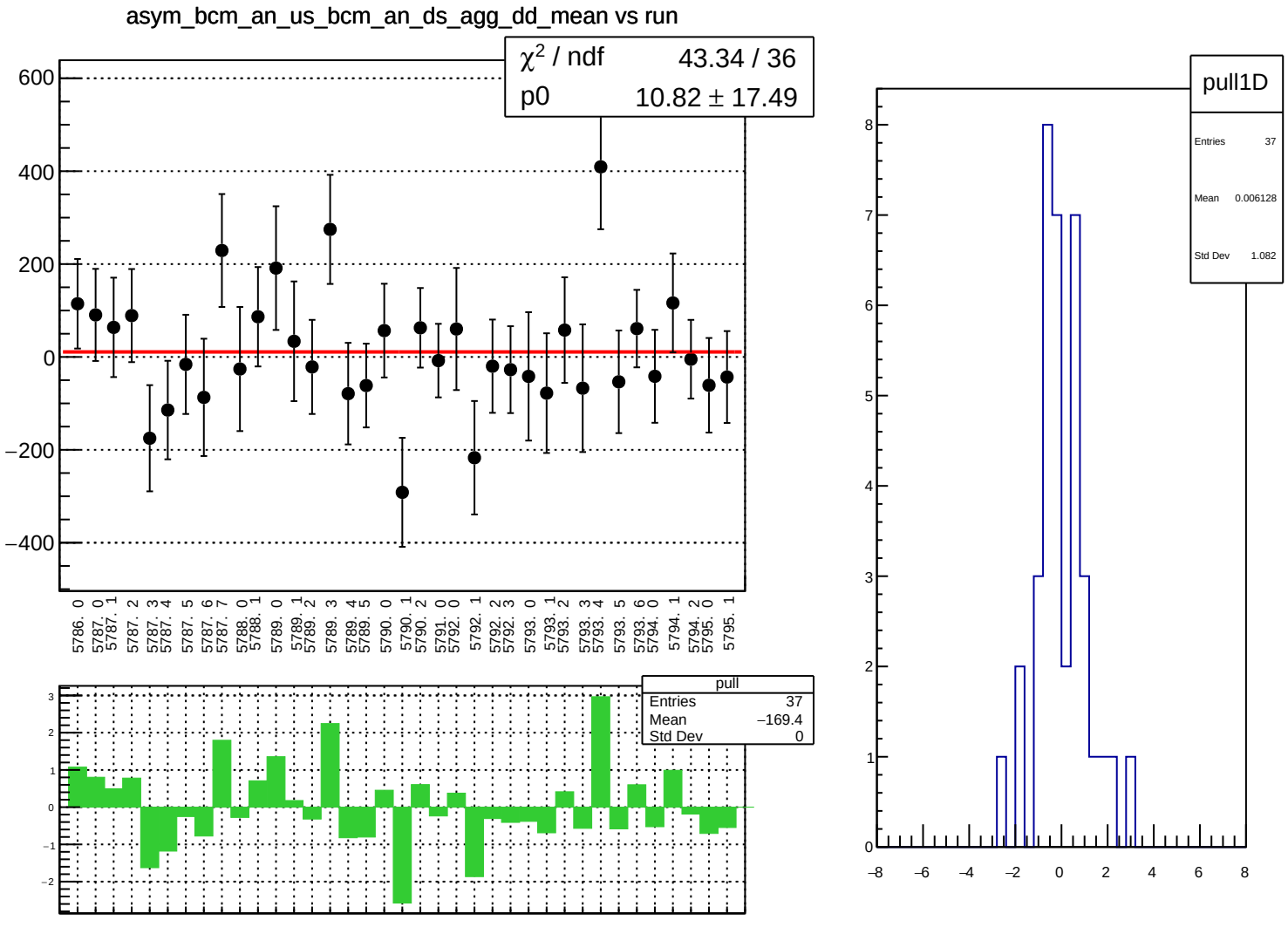

asym_bcm_an_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 246.8 / 36
p0 22.16 ± 0.02555
23.5
23
22.5
22
21.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

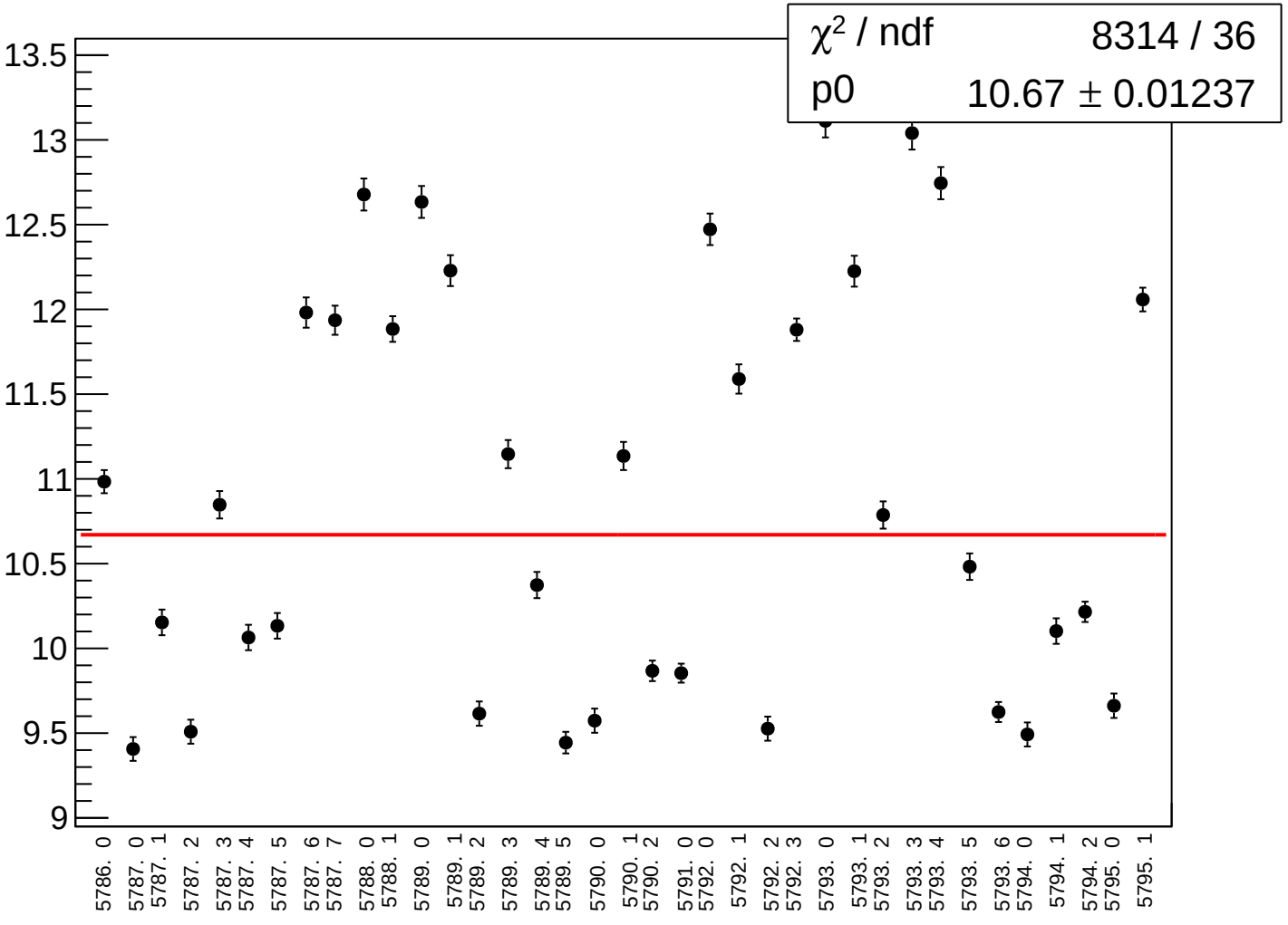

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 19.18 / 36
p0 7.518 ± 30.91
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 193.2
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean 0.01211
Std Dev 0.7199
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

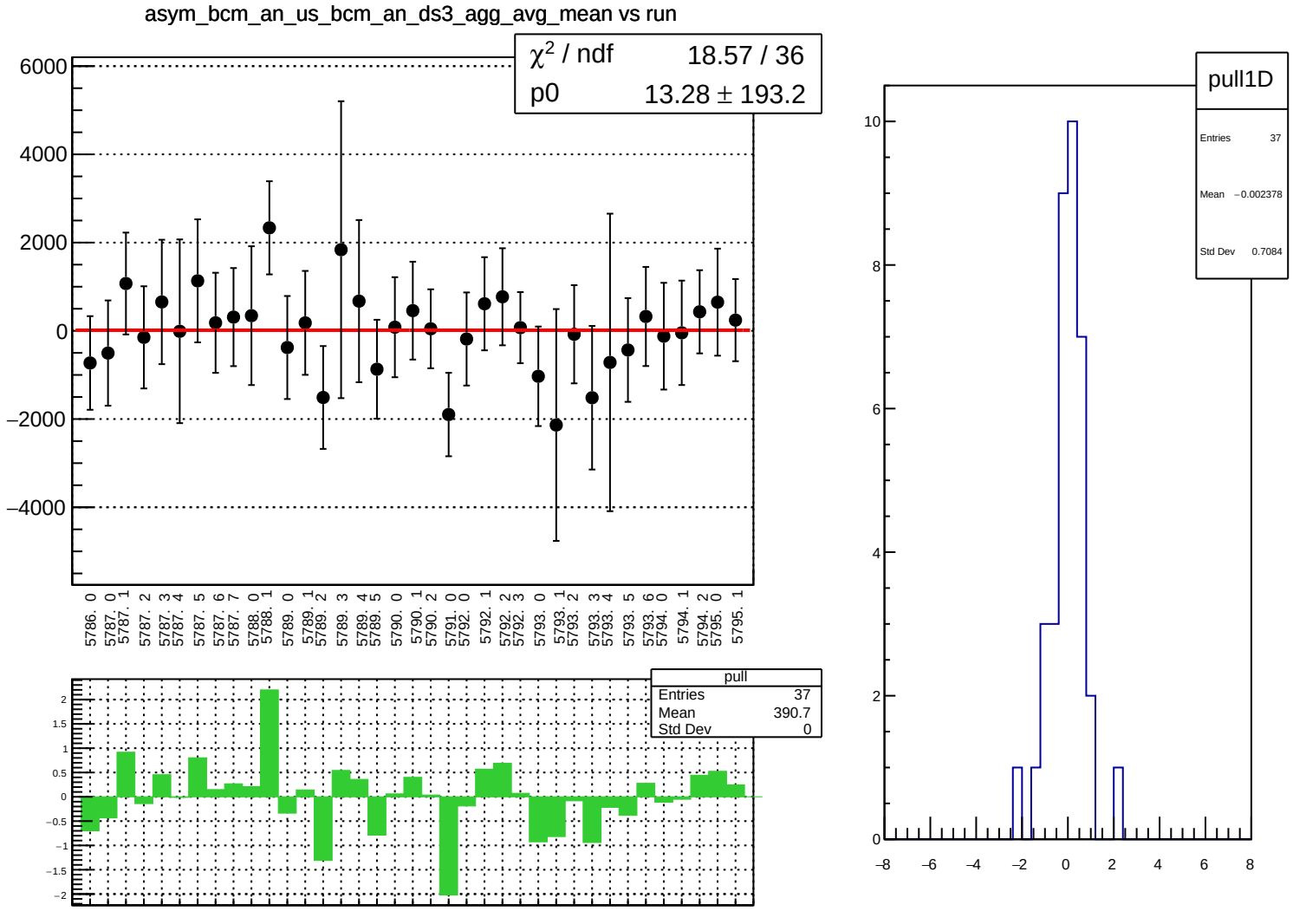

asym_bcm_an_us_ds3_avg_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 743.7 / 36
p0 18.95 ± 0.02185
20.5
20
19.5
19
18.5
18
17.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

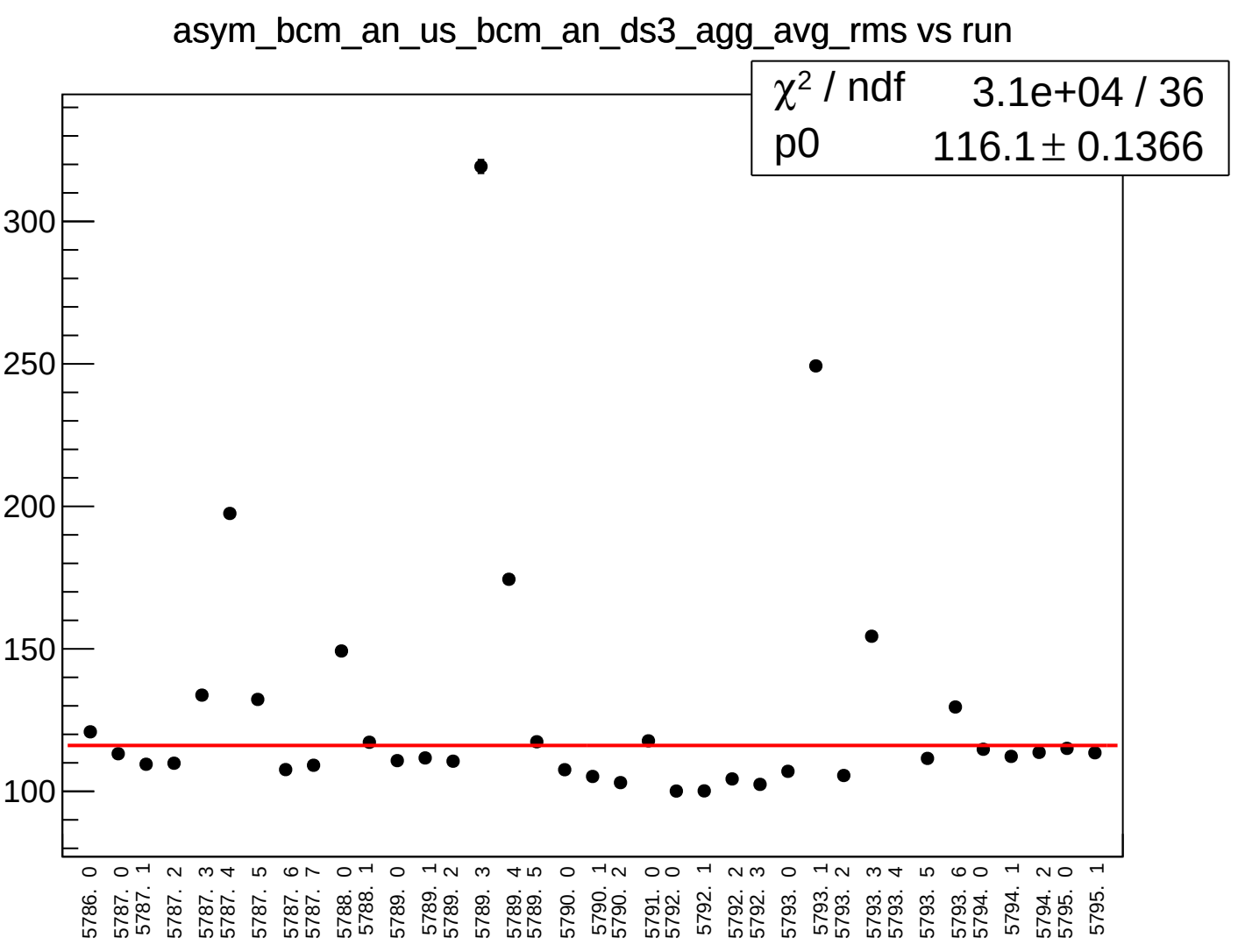

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 41.98 / 36
p0 −23.35 ± 35.88
pull
Entries 37
Mean 207.2
Std Dev 0
pull1D
Entries 37
Mean −0.009895
Std Dev 1.065

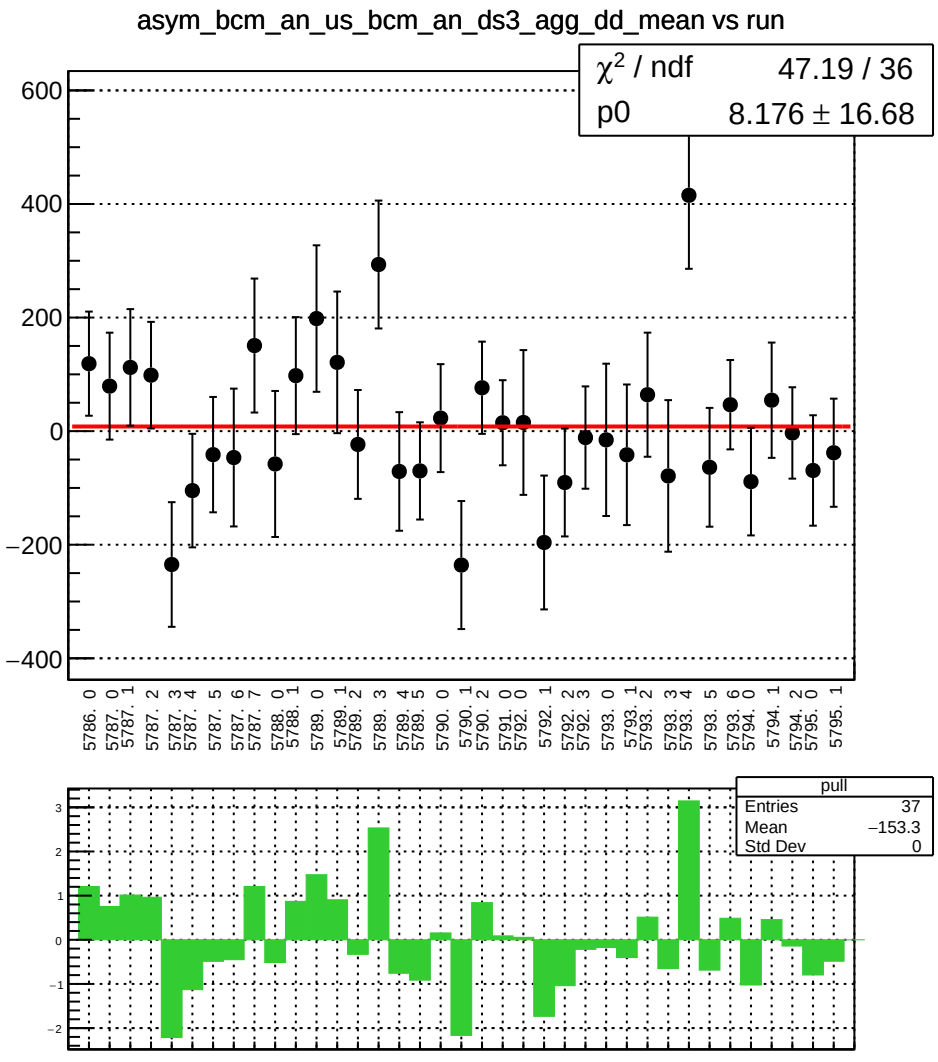

asym_bcm_an_us_ds3_avg_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 217.3 / 36
p0 22.01 ± 0.02537
23.5
23
22.5
22
21.5
21
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

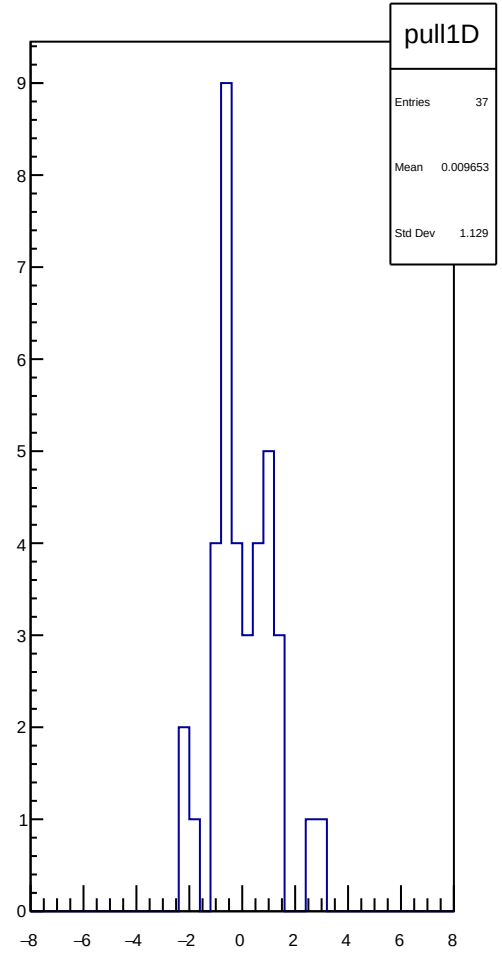

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 43.34 / 36
p0 10.82 ± 17.49
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −169.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.006128
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

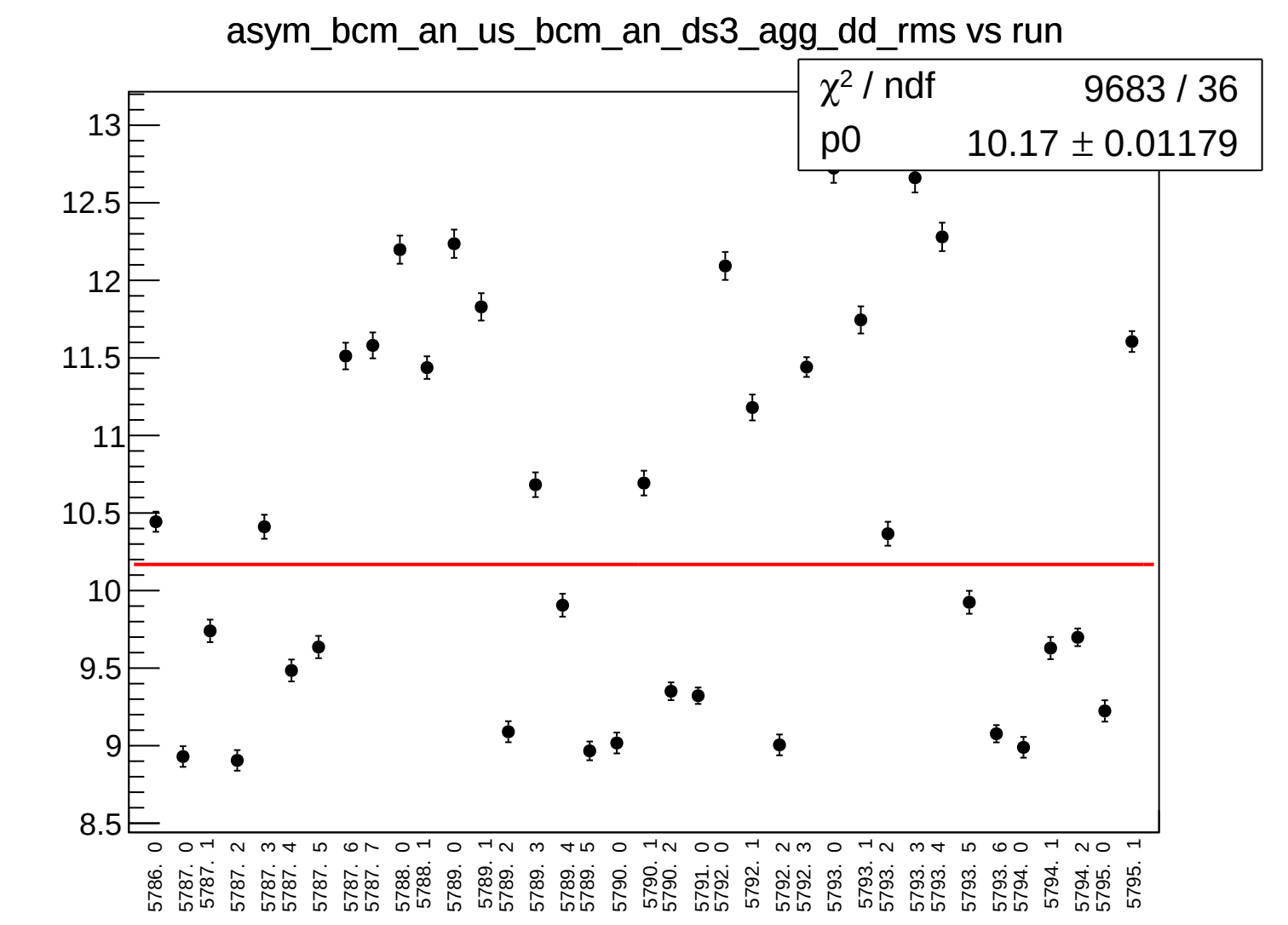

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 8314 / 36
p0 10.67 ± 0.01237
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

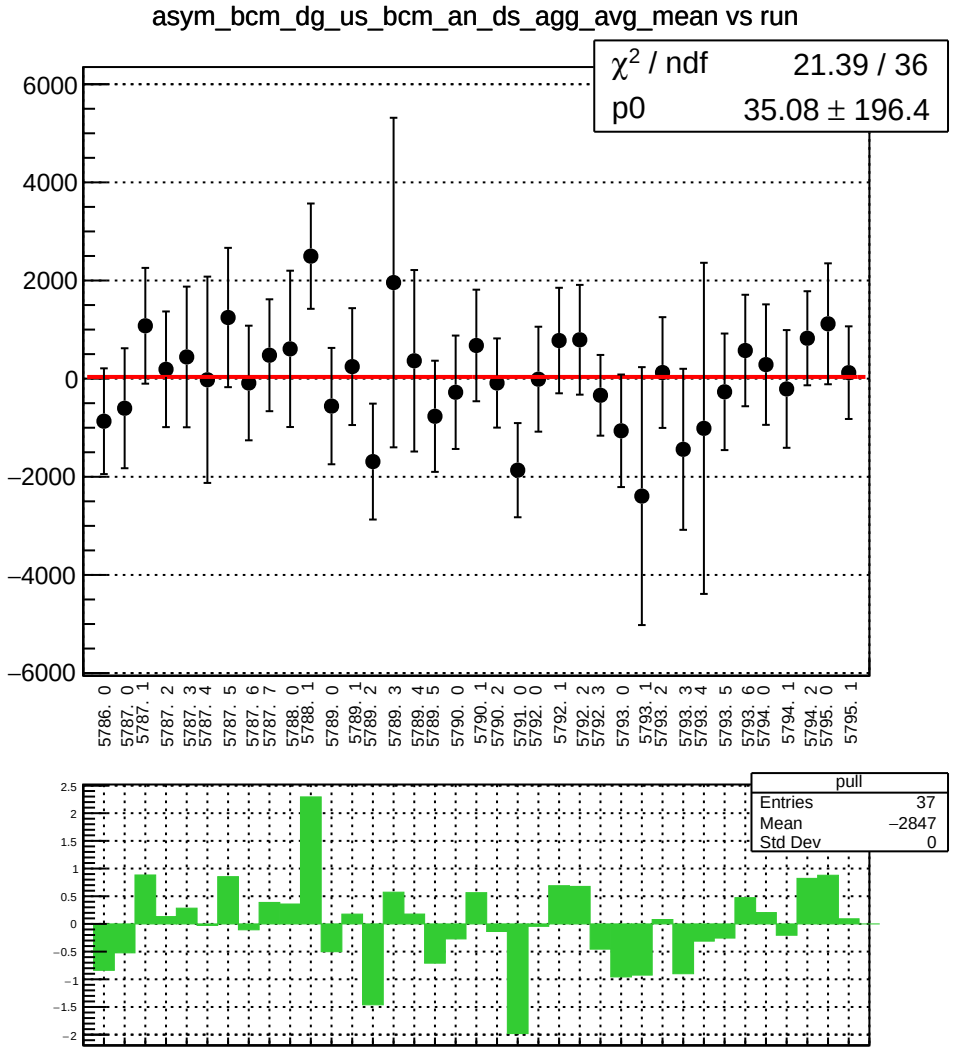

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs run
χ² / ndf 18.57 / 36
p0 13.28 ± 193.2
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 390.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002378
Std Dev 0.7084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

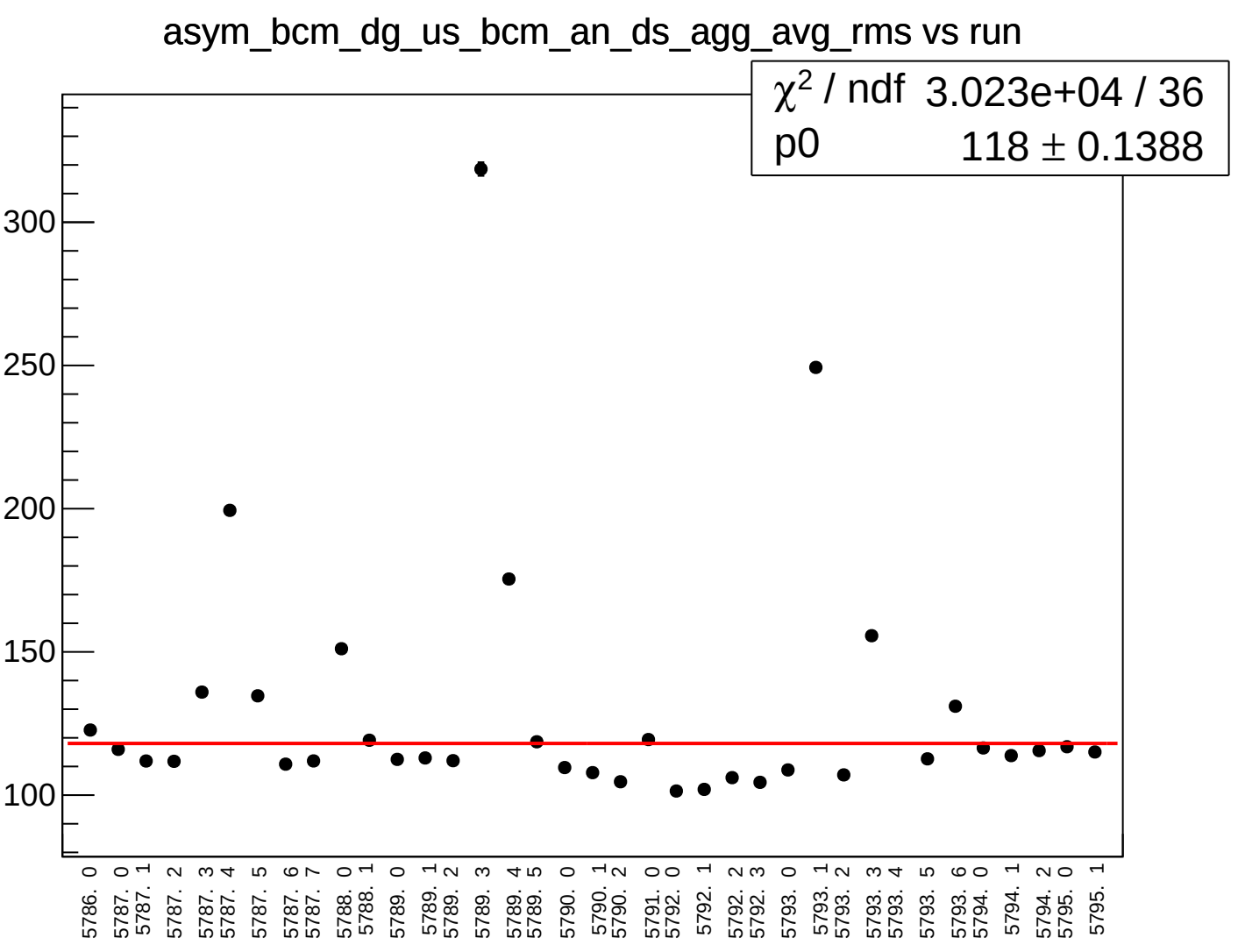

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs run
χ² / ndf 3.1e+04 / 36
p0 116.1 ± 0.1366
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

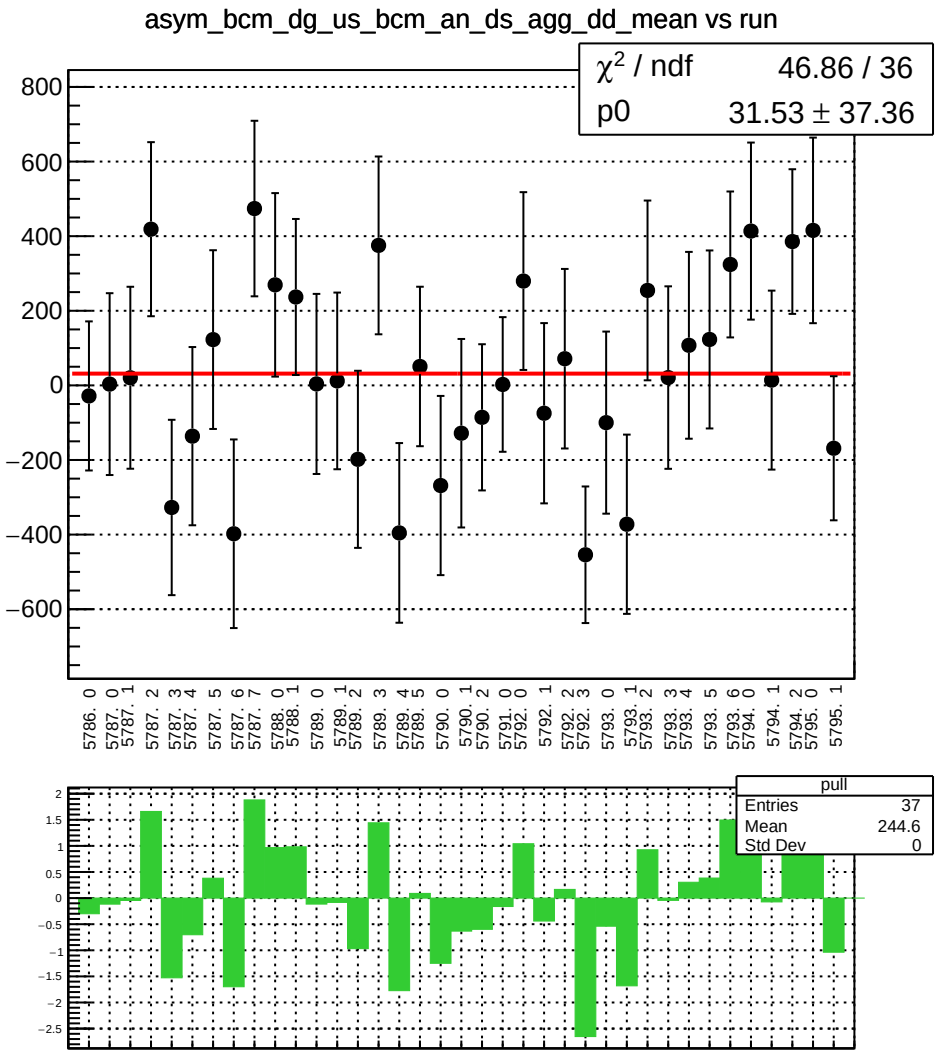

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs run
χ² / ndf 47.19 / 36
p0 8.176 ± 16.68
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −153.3
Std Dev 0
3
2
1
0
−1
−2

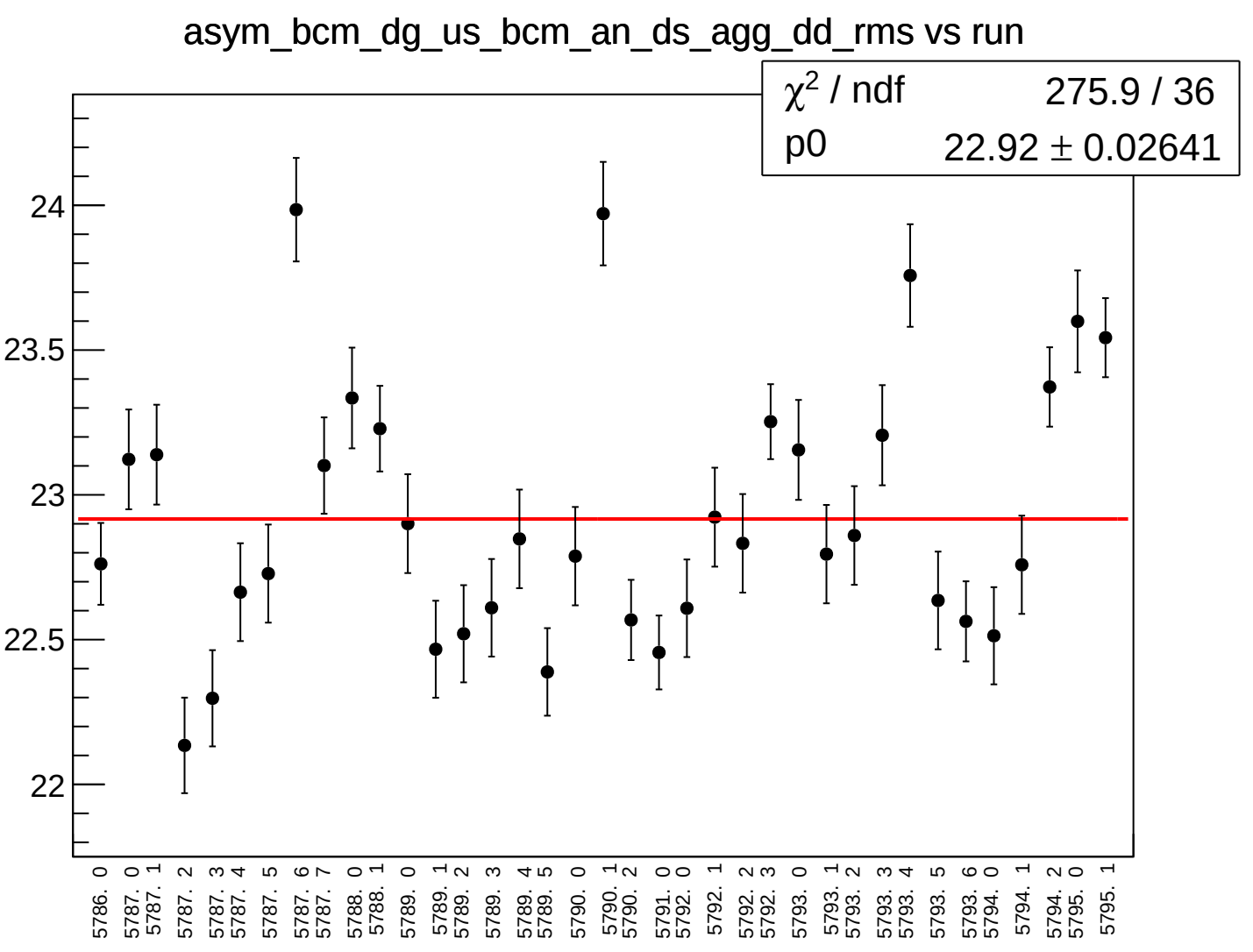

pull1D
Entries 37
Mean 0.009653
Std Dev 1.129
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

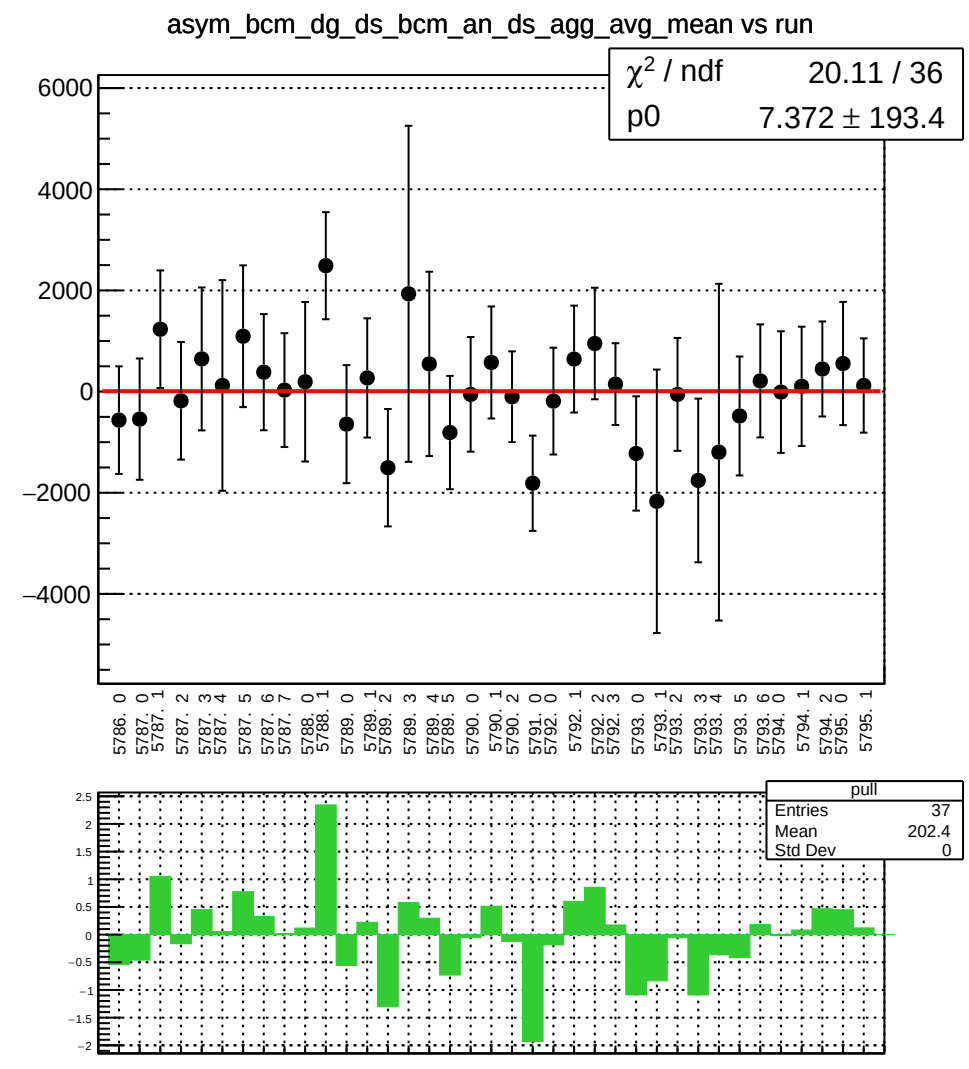

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs run
χ² / ndf 9683 / 36
p0 10.17 ± 0.01179
13
12.5
12
11.5
11
10.5
10
9.5
9
8.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

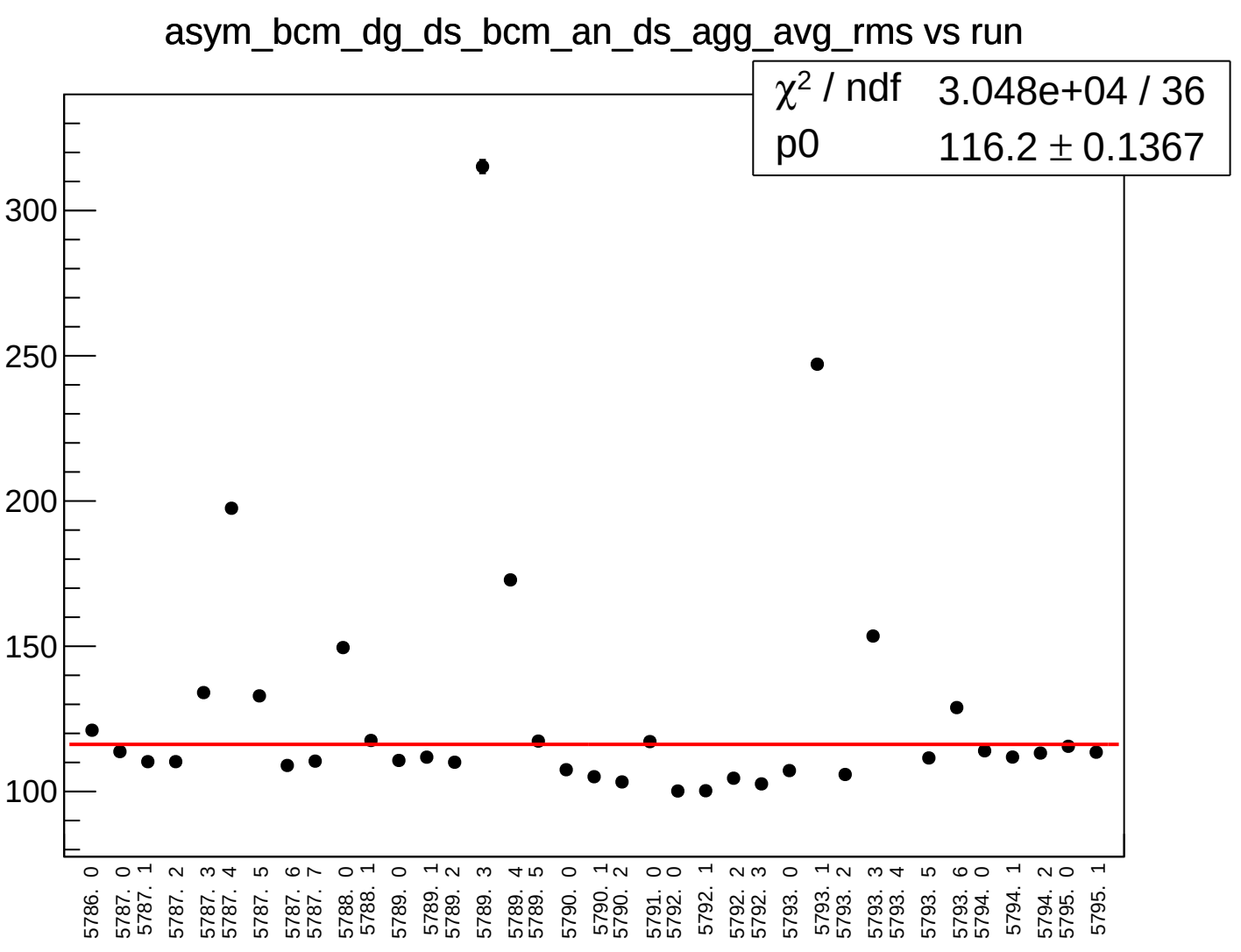

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 21.39 / 36
p0 35.08 ± 196.4
pull
Entries 37
Mean −2847
Std Dev 0
pull1D
Entries 37
Mean 0.0001476
Std Dev 0.7604

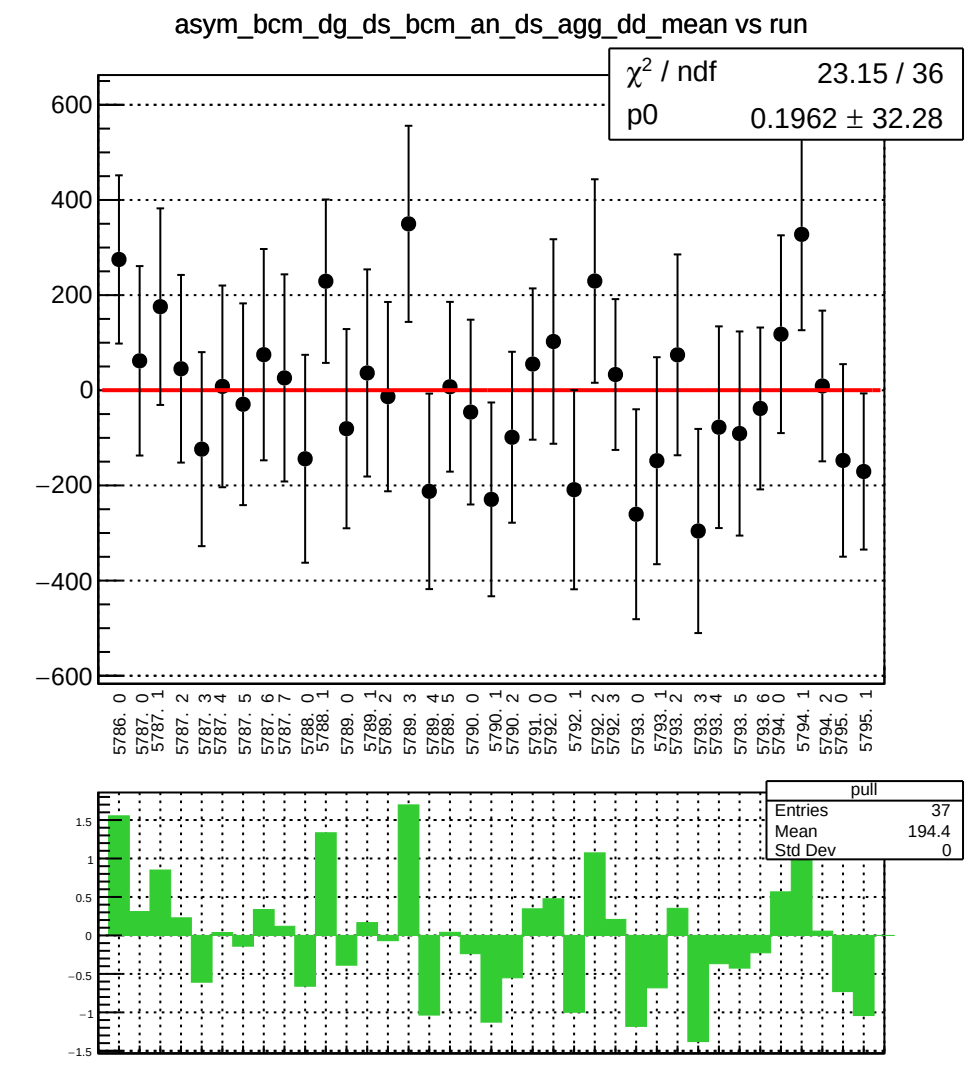

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.023e+04 / 36
p0 118 ± 0.1388
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

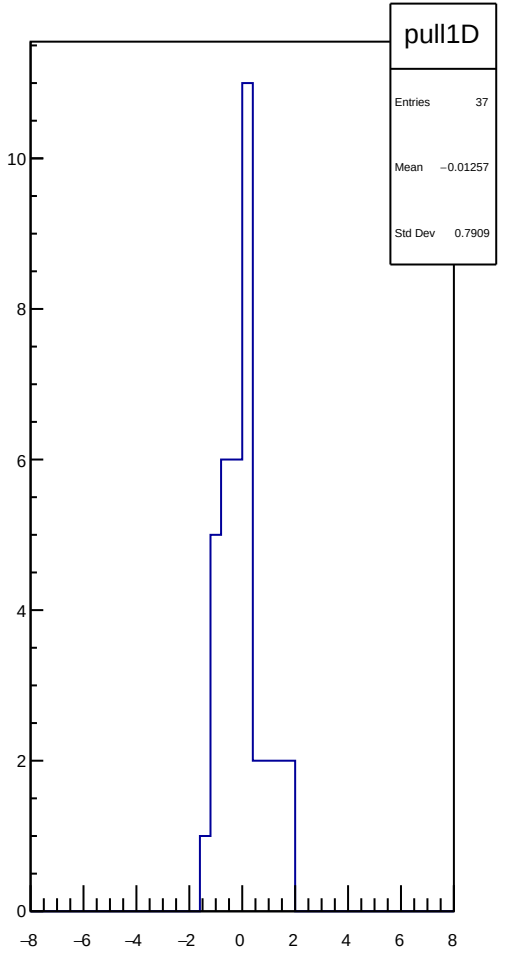

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.86 / 36
p0 31.53 ± 37.36
800
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 244.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.007277
Std Dev 1.125
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

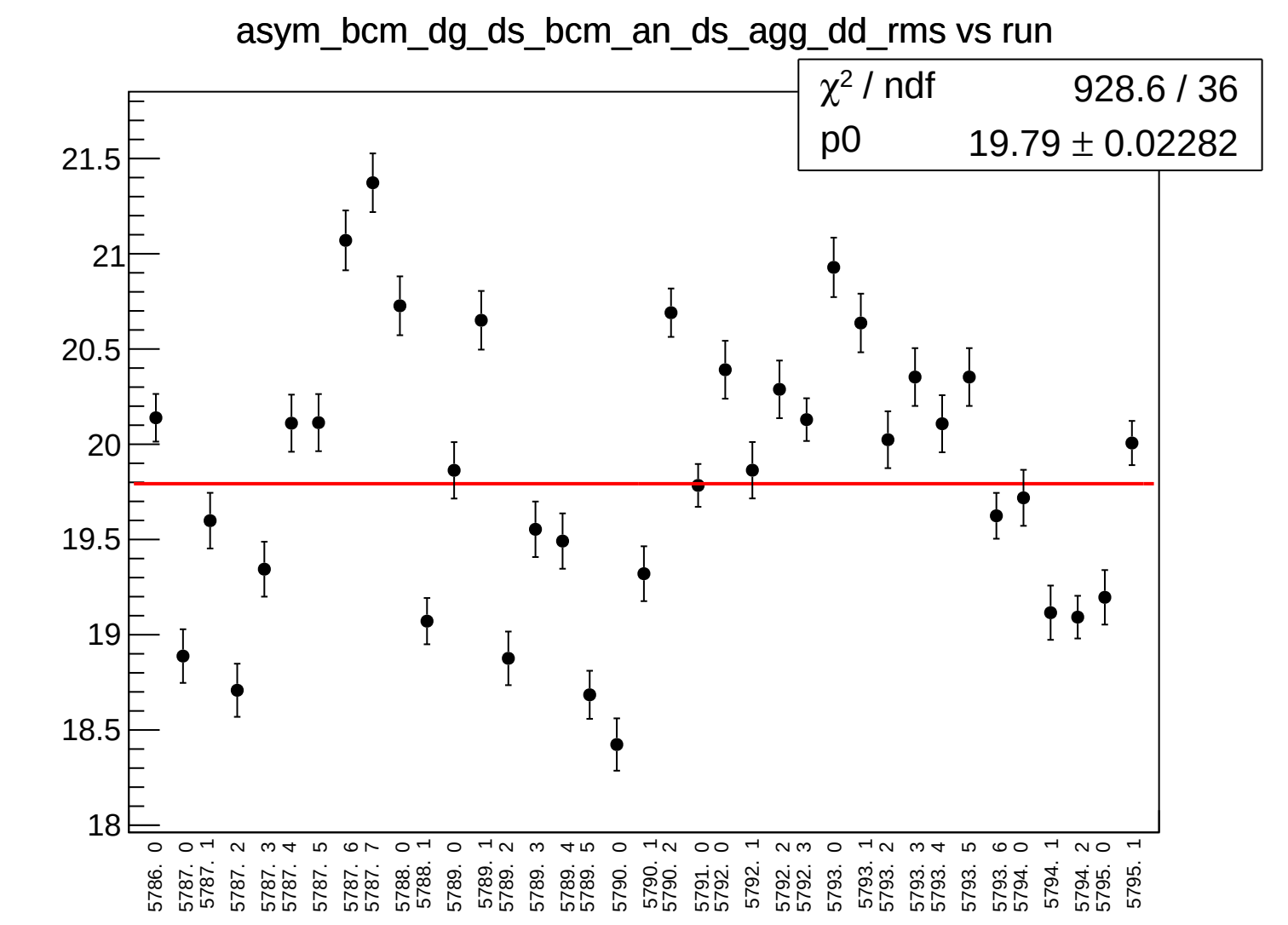

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 275.9 / 36
p0 22.92 ± 0.02641
24
23.5
23
22.5
22
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

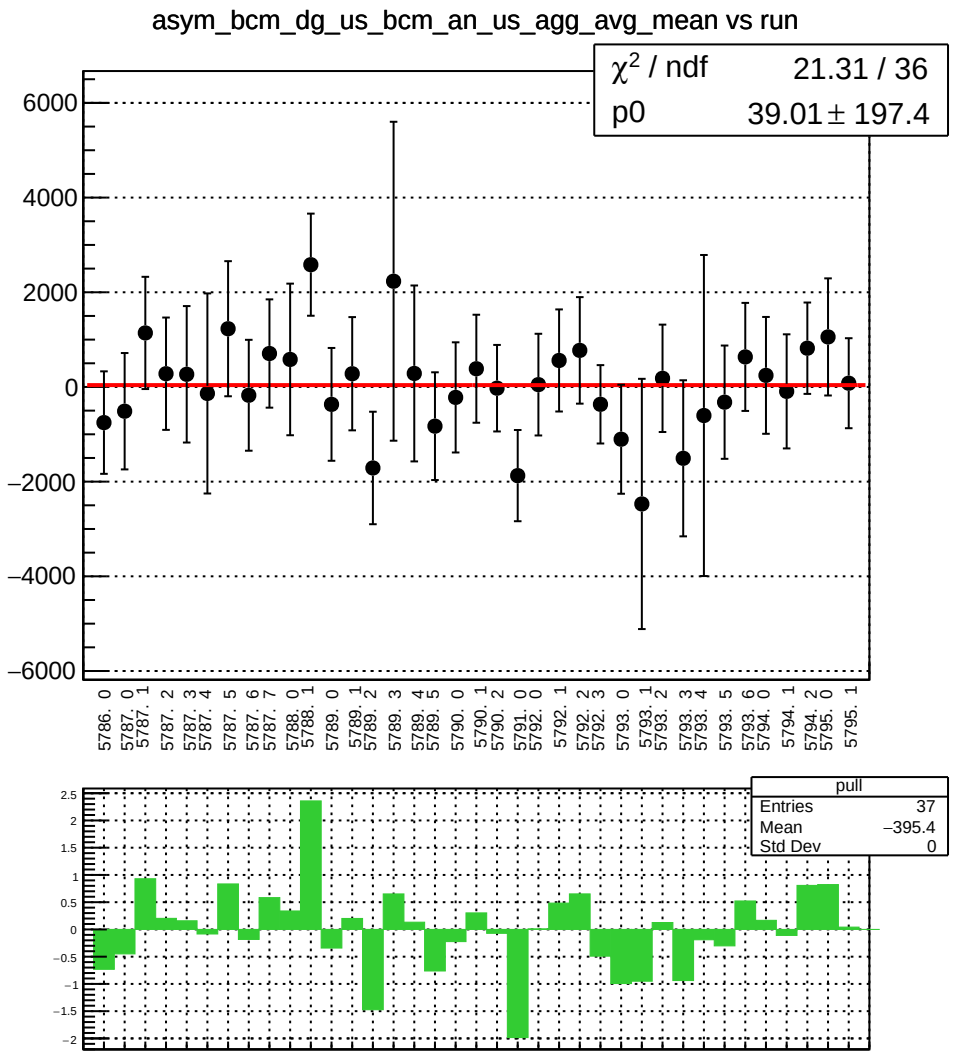

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 20.11 / 36
p0 7.372 ± 193.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 202.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.005919
Std Dev 0.7371
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

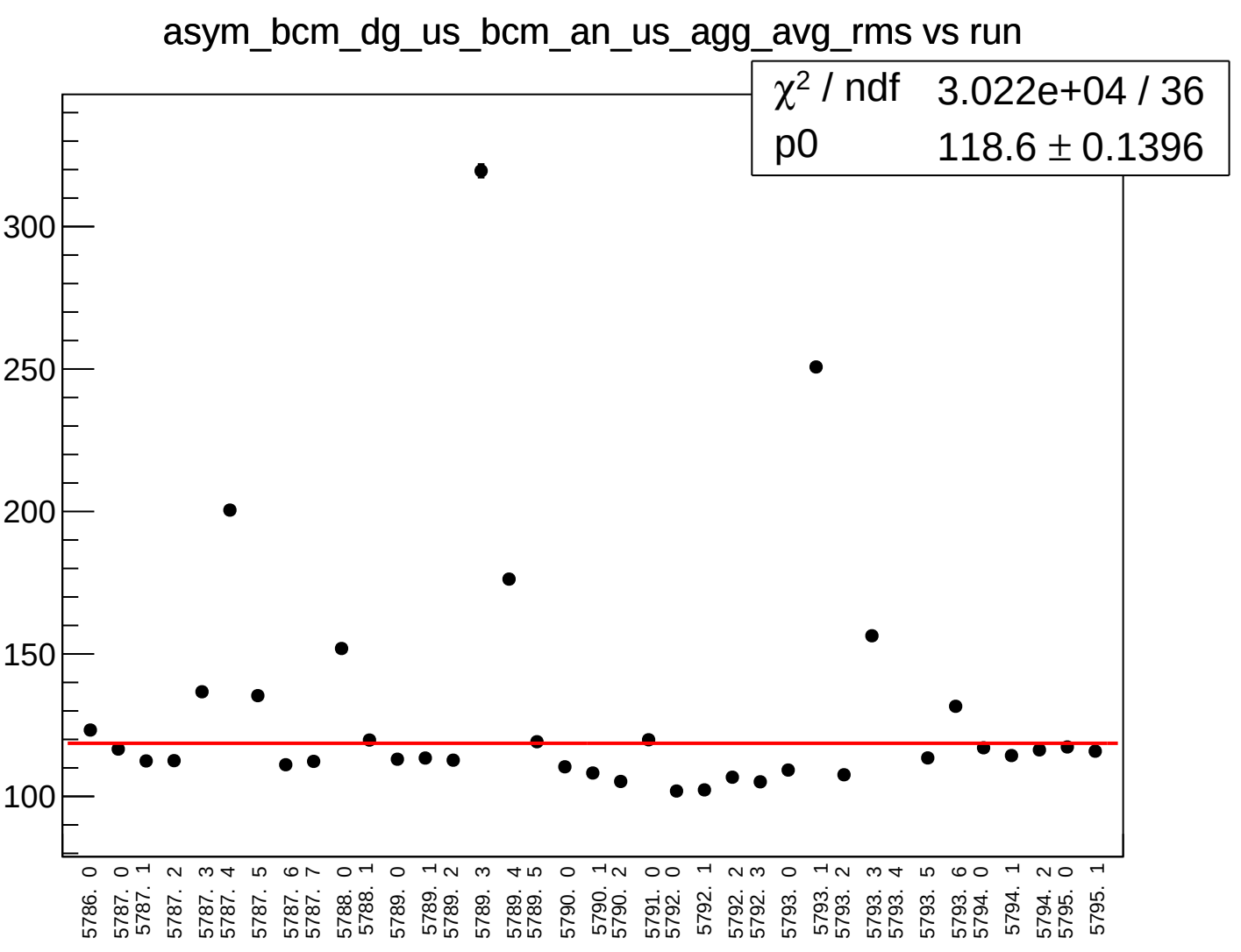

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 3.048e+04 / 36
p0 116.2 ± 0.1367
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

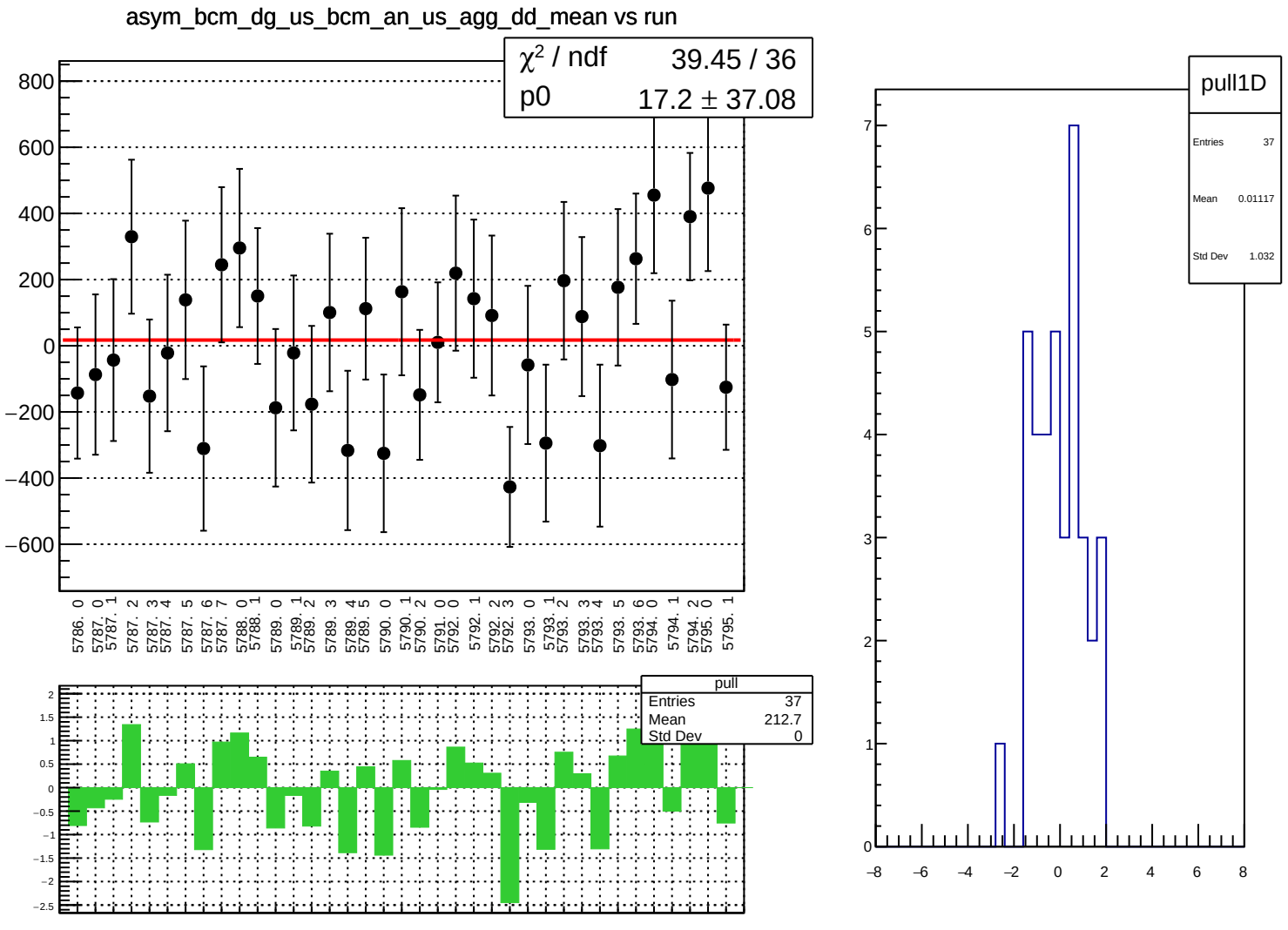

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 23.15 / 36
p0 0.1962 ± 32.28
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 194.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

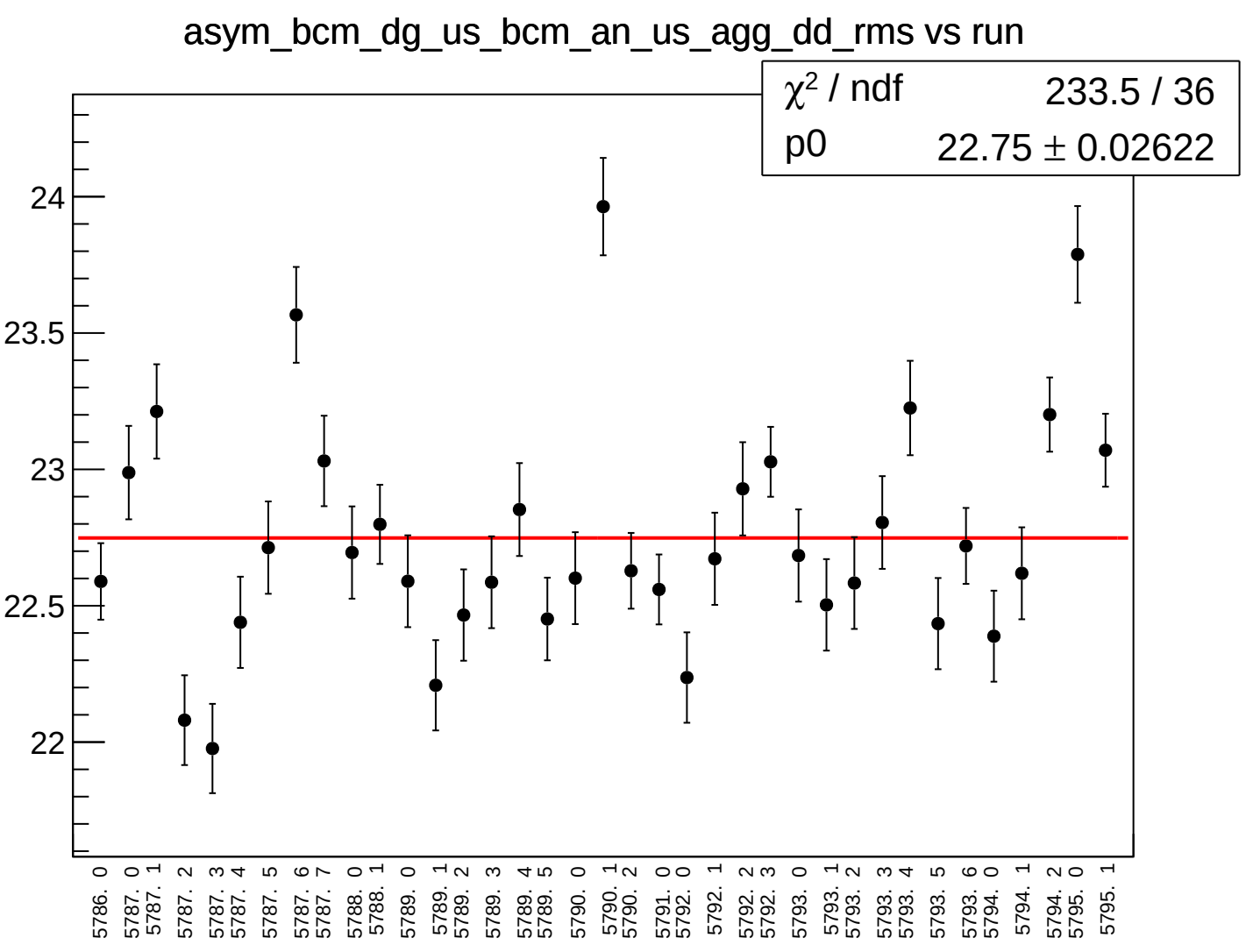

pull1D
Entries 37
Mean −0.01257
Std Dev 0.7909
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

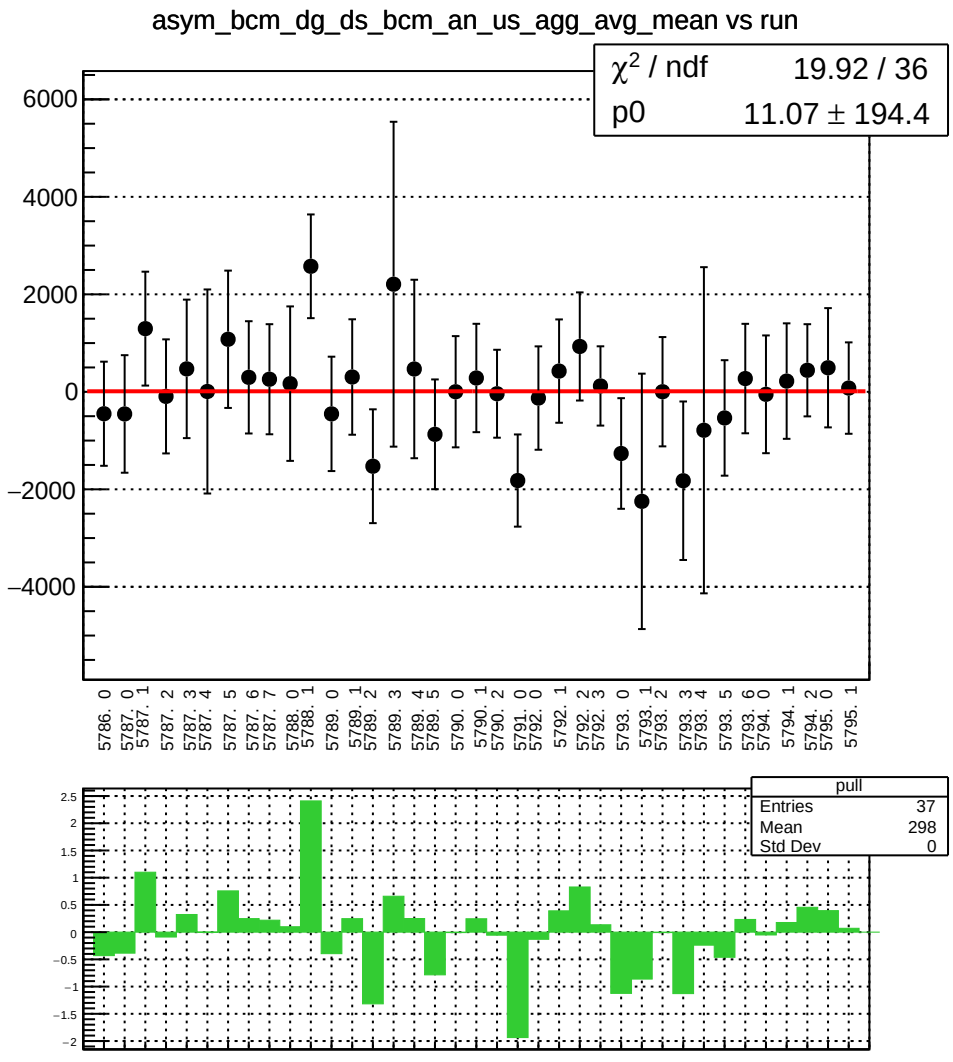

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 928.6 / 36
p0 19.79 ± 0.02282
21.5
21
20.5
20
19.5
19
18.5
18
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

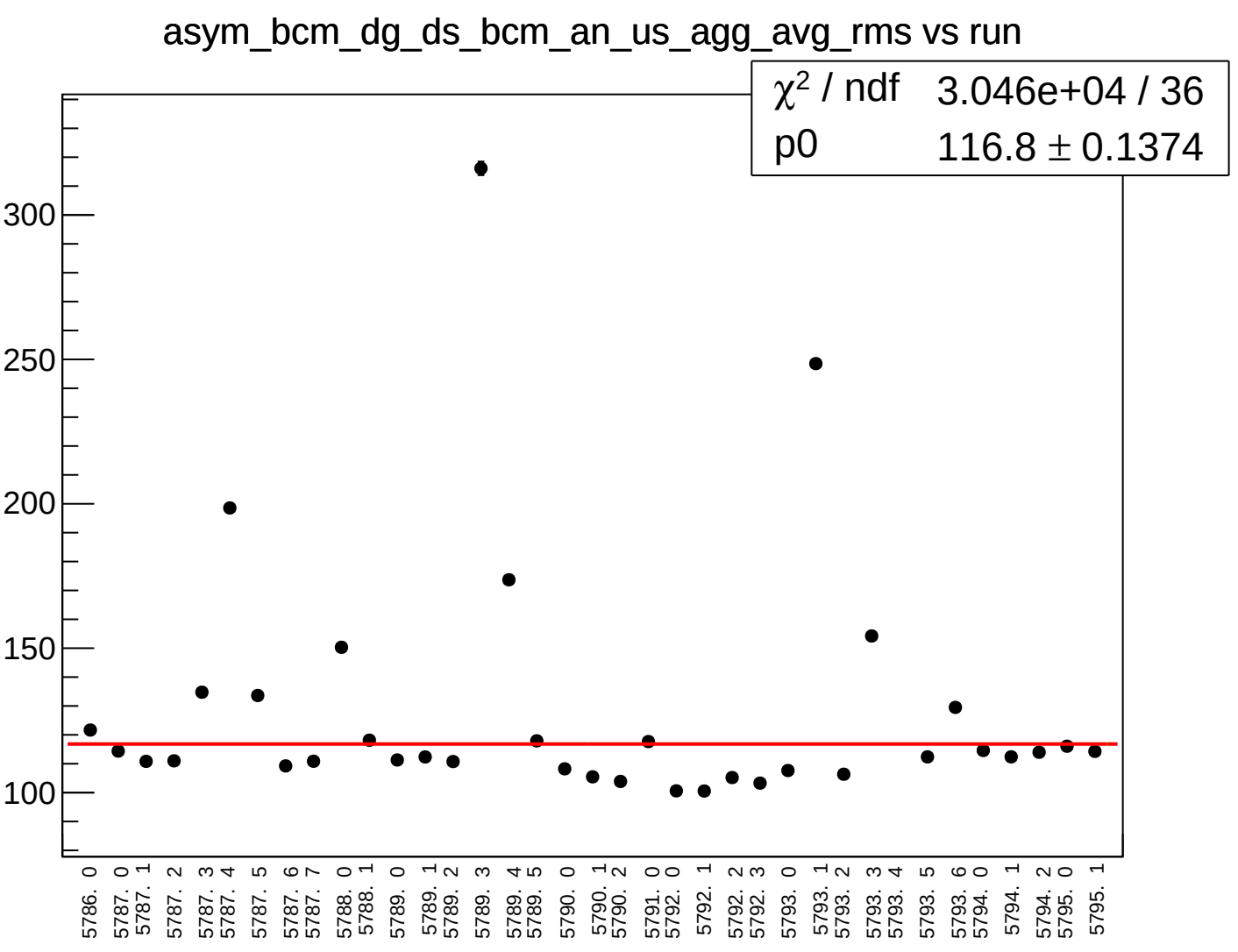

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs run
χ² / ndf 21.31 / 36
p0 39.01 ± 197.4
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −395.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.001426
Std Dev 0.7589
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

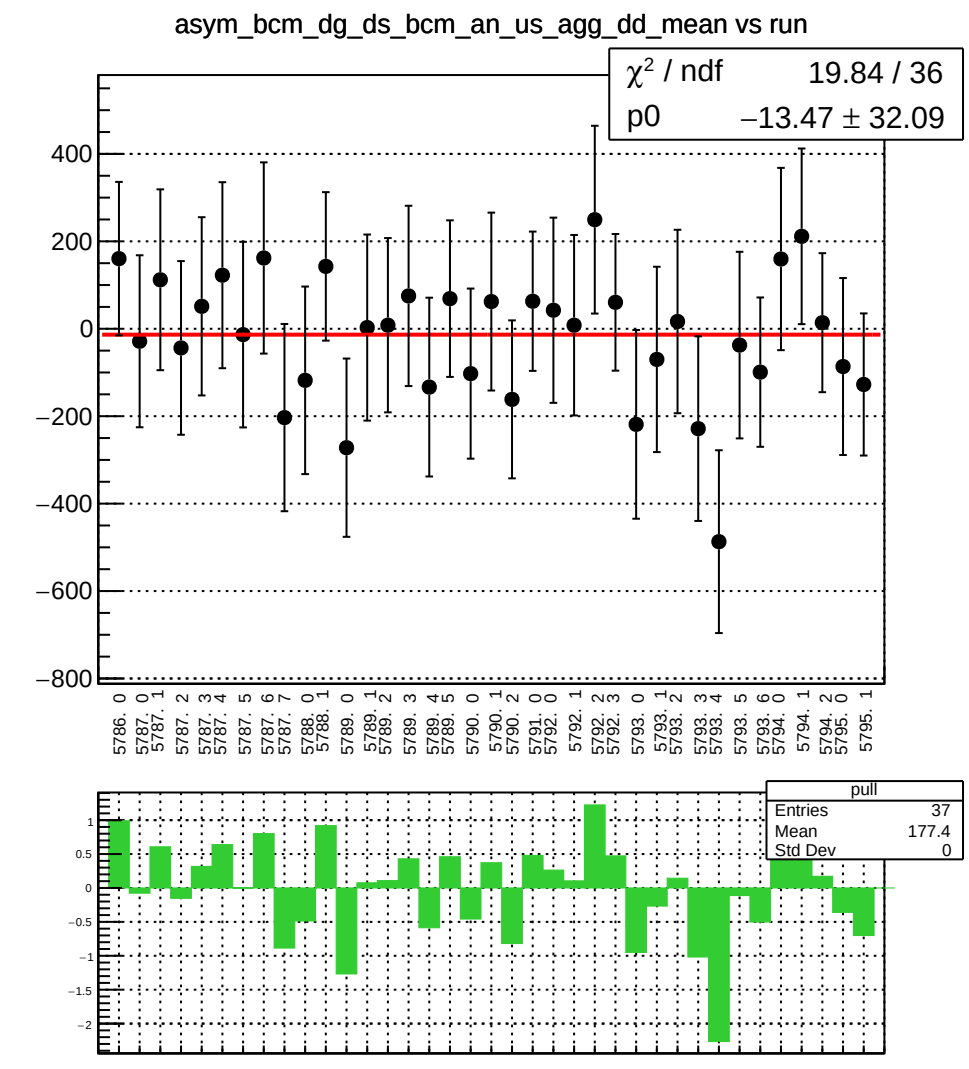

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.022e+04 / 36
p0 118.6 ± 0.1396
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

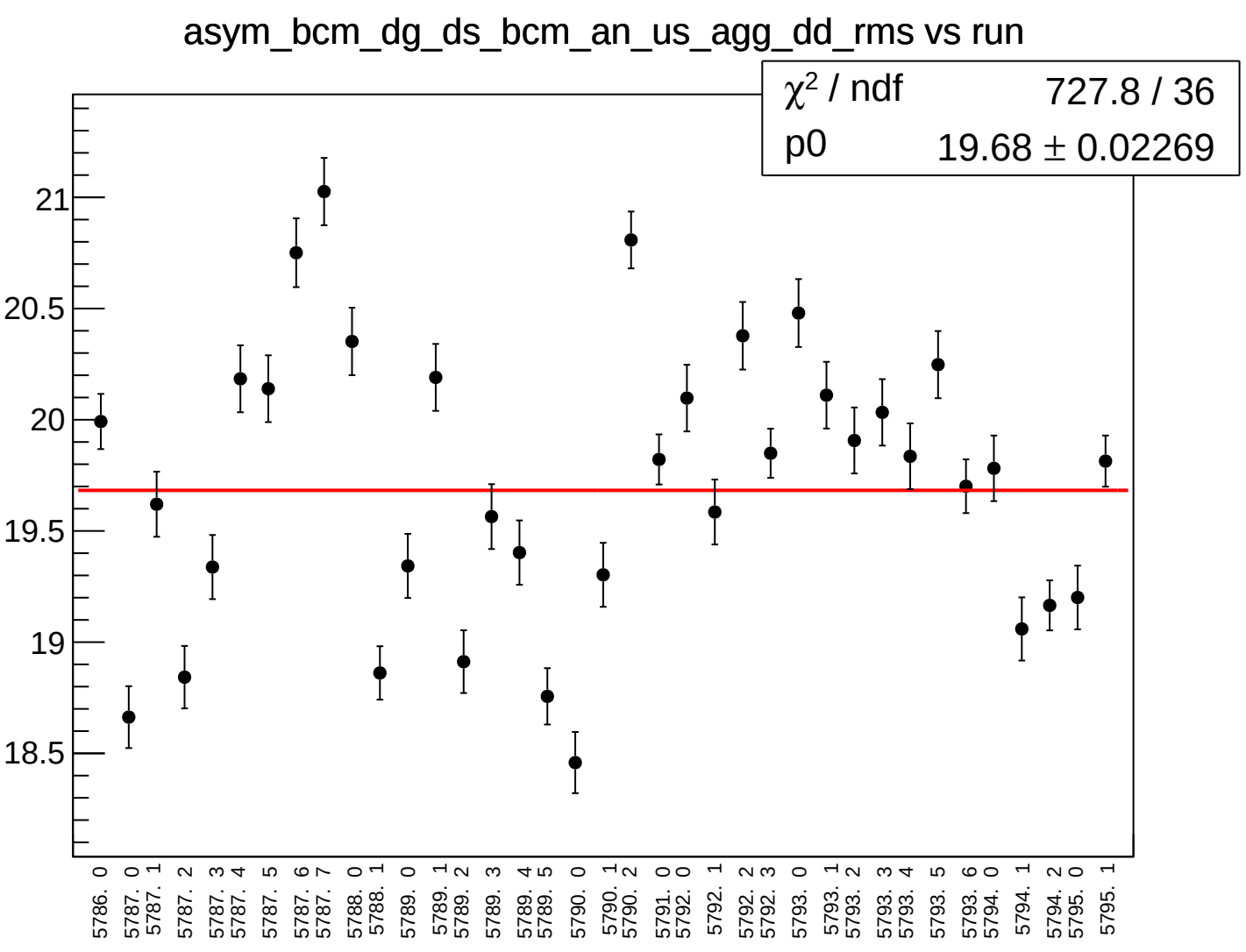

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs run
χ² / ndf 39.45 / 36
p0 17.2 ± 37.08
800
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 212.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.01117
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

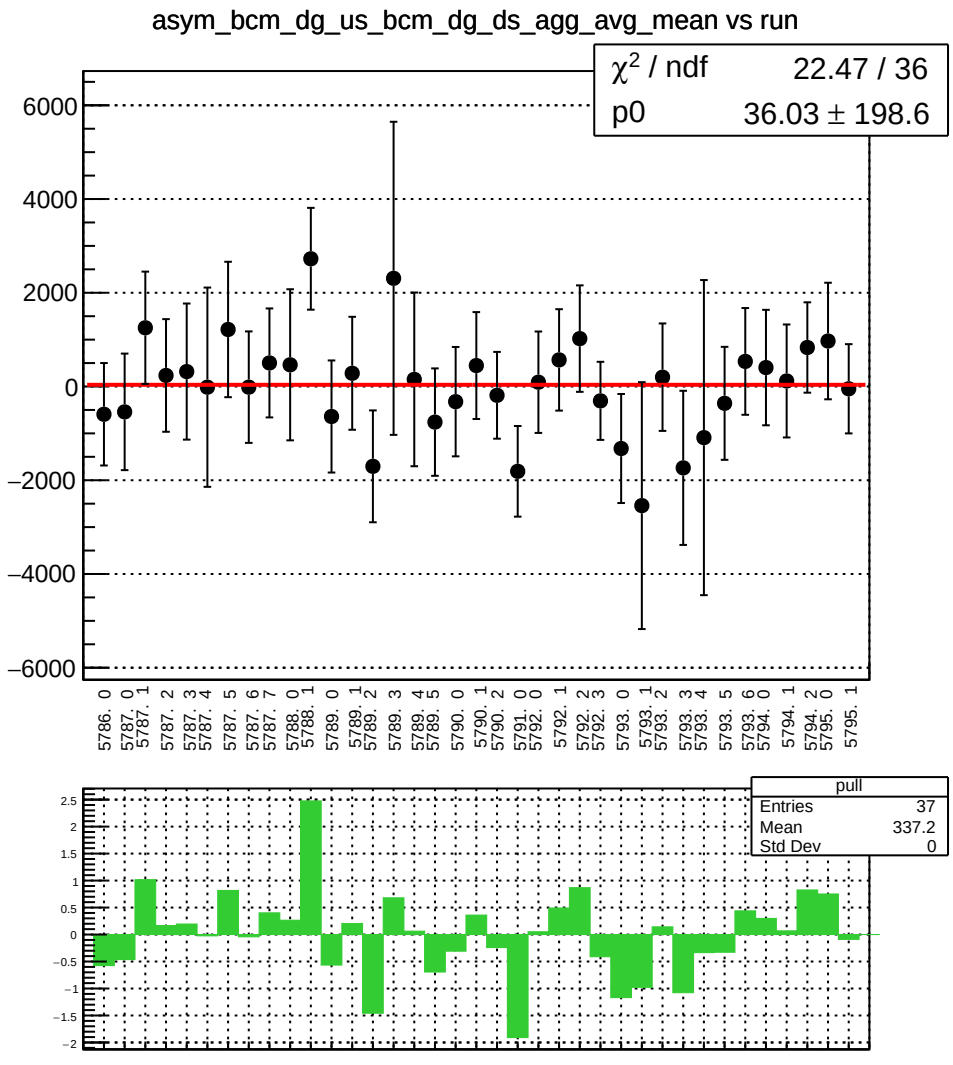

asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs run
χ² / ndf 233.5 / 36
p0 22.75 ± 0.02622
24
23.5
23
22.5
22
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

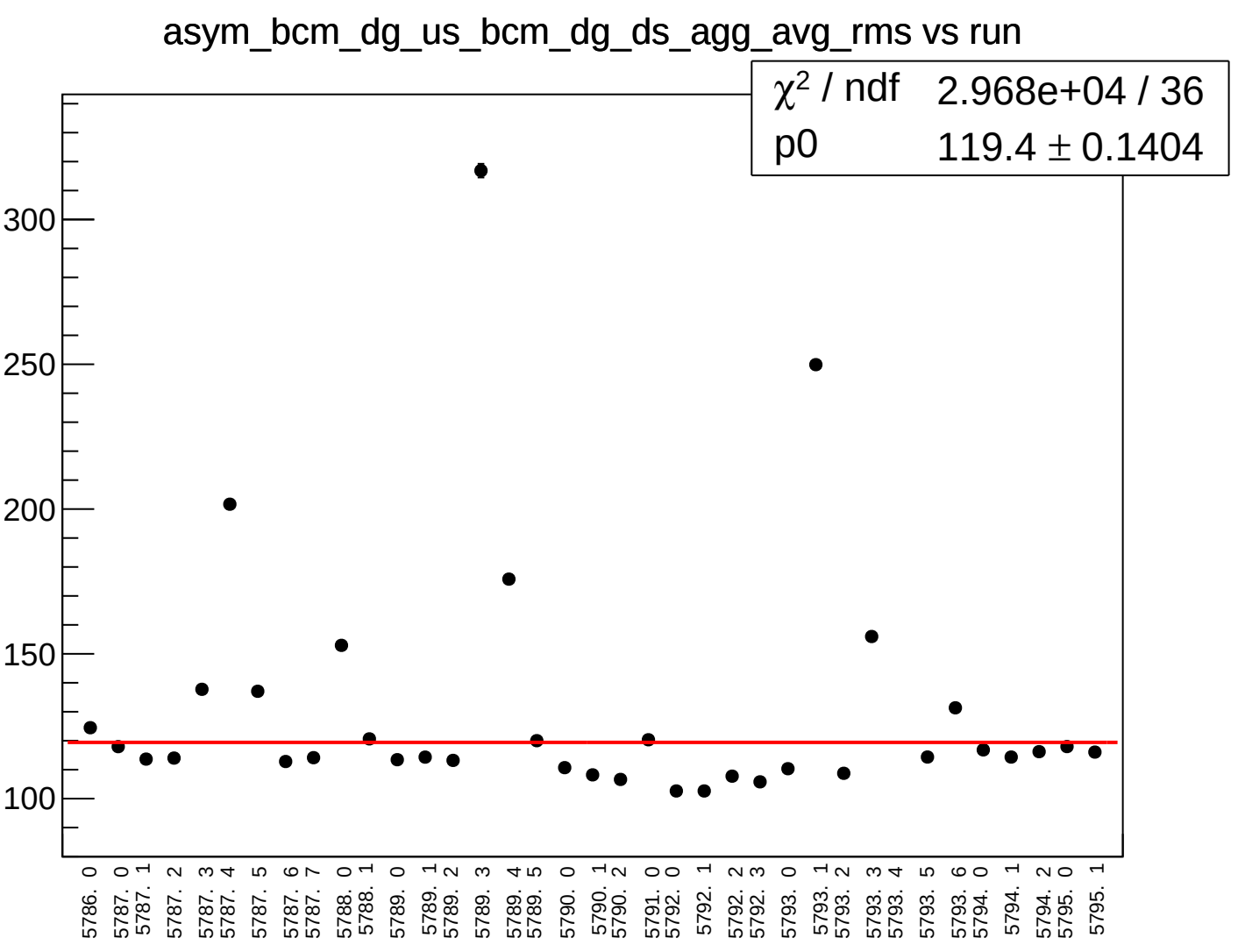

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs run
χ² / ndf 19.92 / 36
p0 11.07 ± 194.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 298
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.004491
Std Dev 0.7337
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

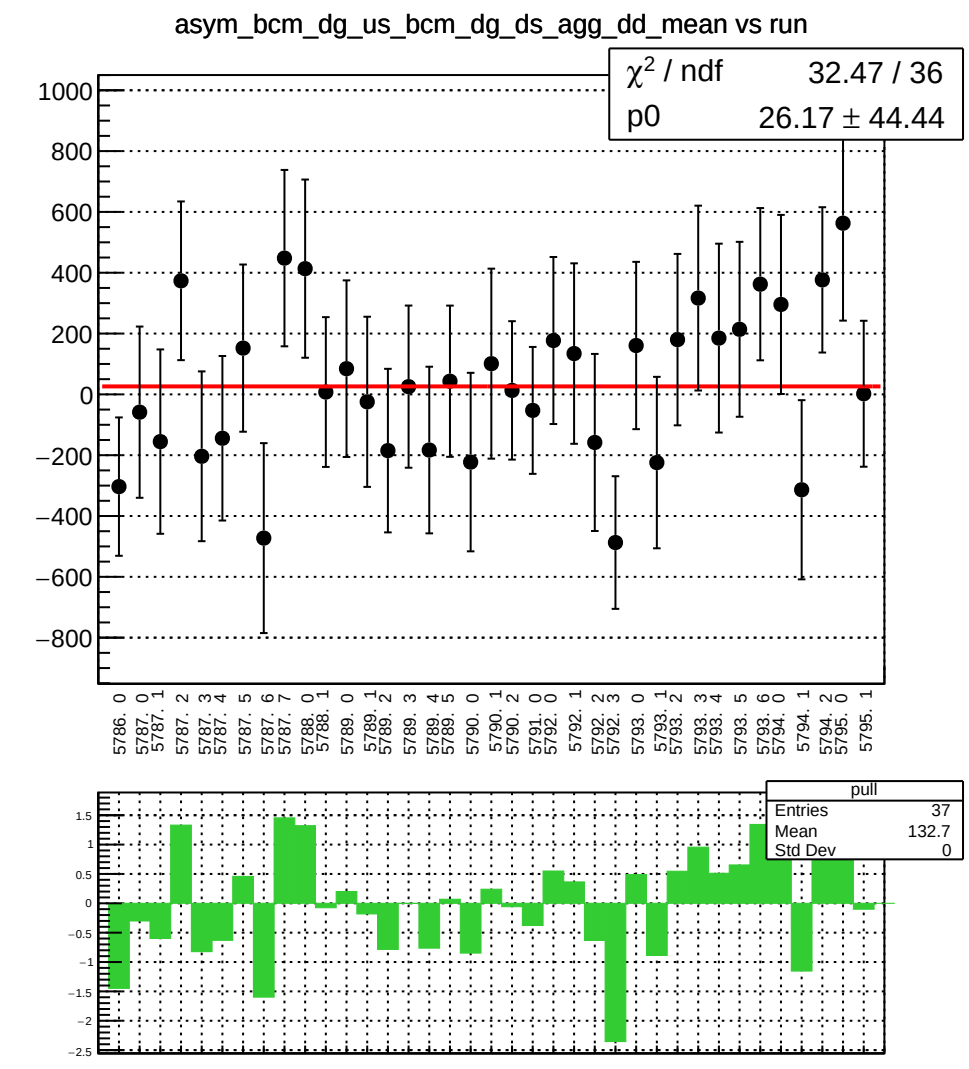

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs run
χ² / ndf 3.046e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

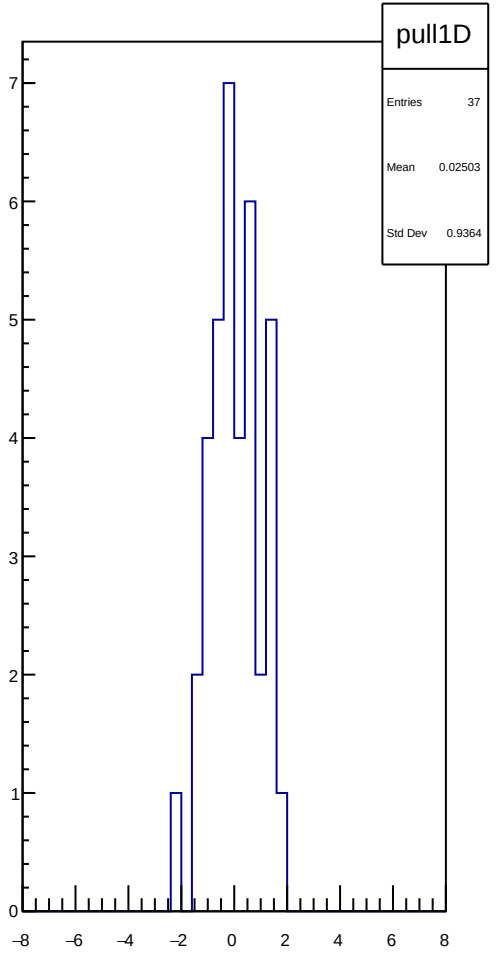

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs run
χ² / ndf 19.84 / 36
p0 −13.47 ± 32.09
400
200
0
−200
−400
−600
−800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 177.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01019
Std Dev 0.7322
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

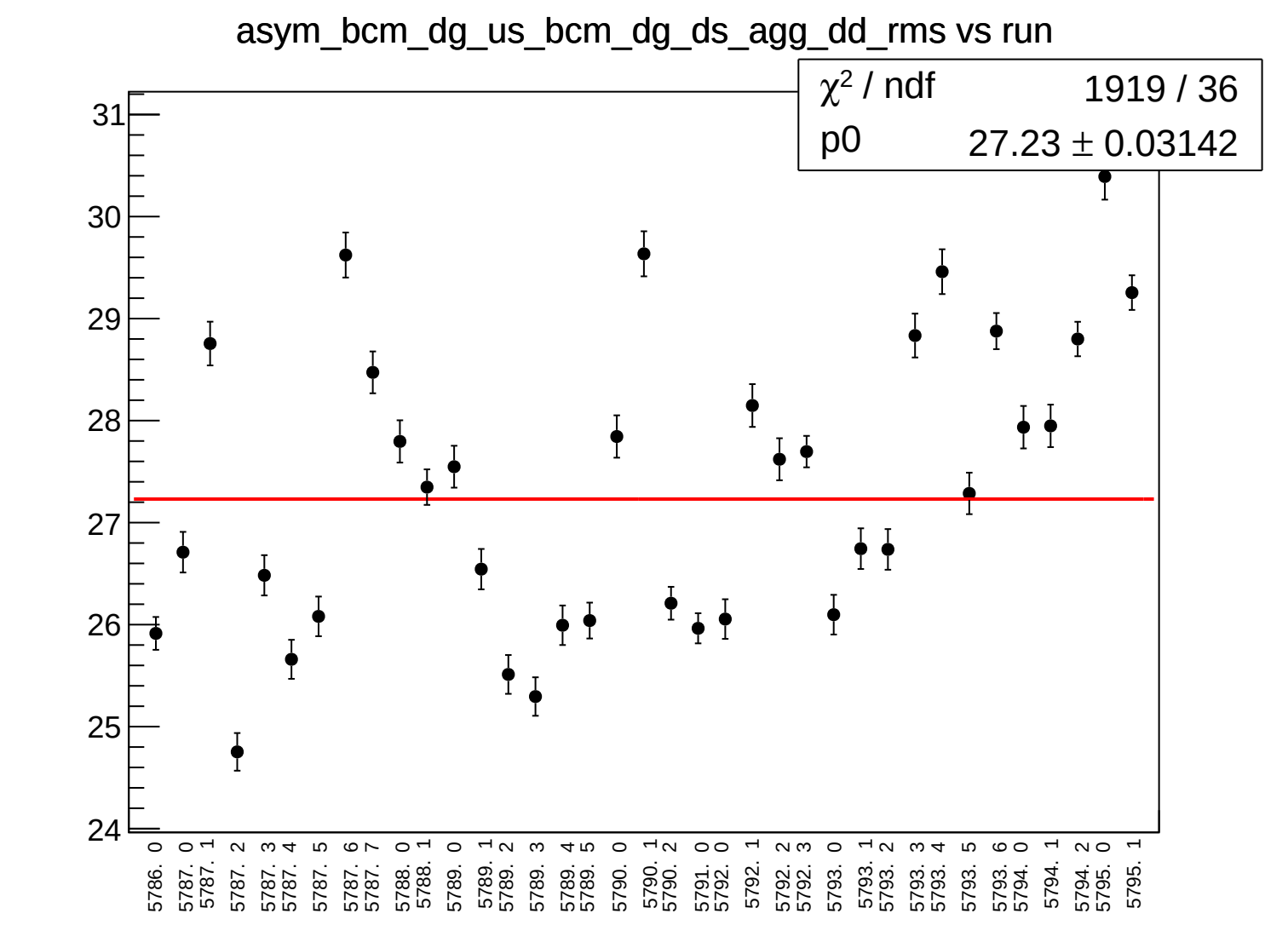

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs run
χ² / ndf 727.8 / 36
p0 19.68 ± 0.02269
21
20.5
20
19.5
19
18.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

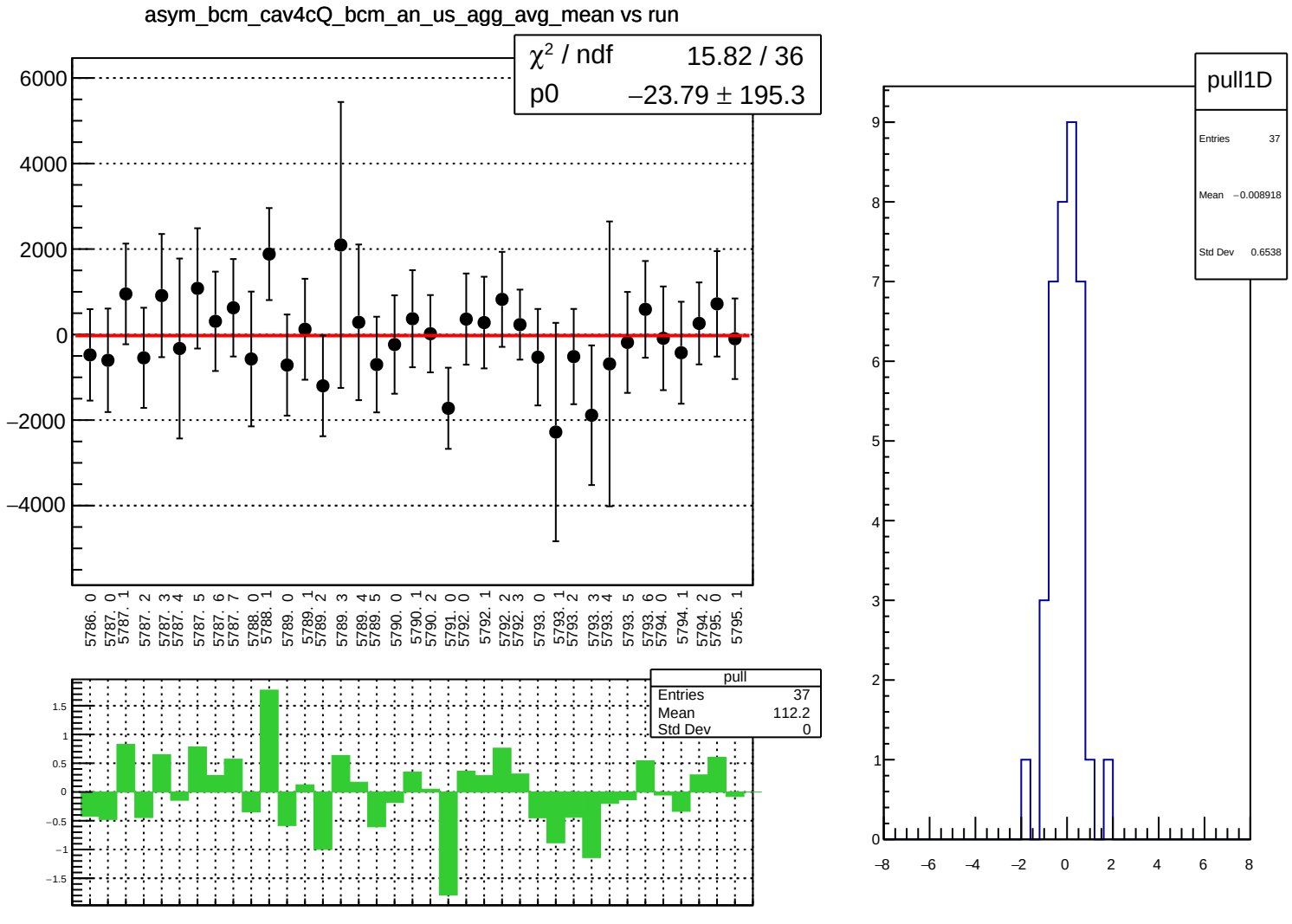

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 22.47 / 36
p0 36.03 ± 198.6
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002338
Std Dev 0.7793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

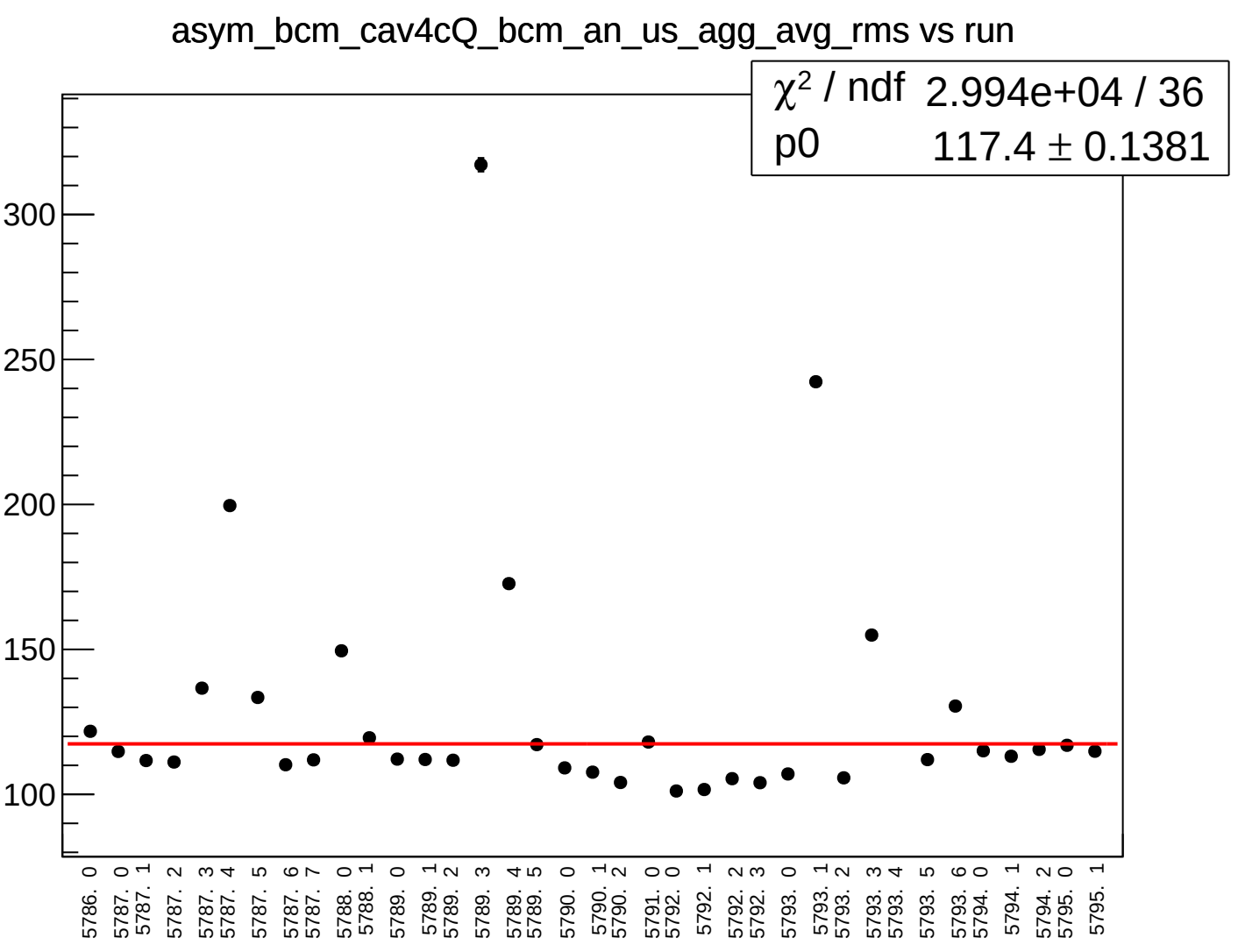

asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.968e+04 / 36
p0 119.4 ± 0.1404
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

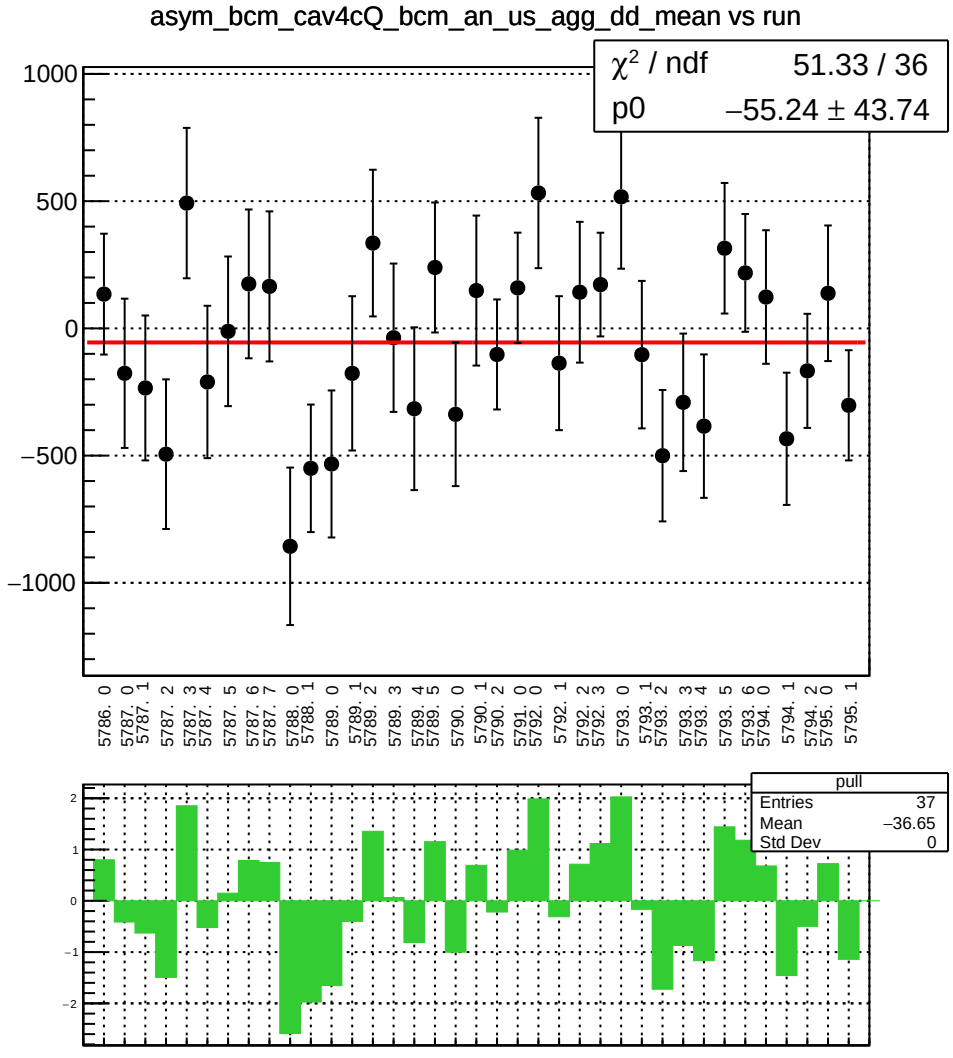

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 32.47 / 36
p0 26.17 ± 44.44
1000
800
600
400
200
0
−200
−400
−600
−800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 132.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

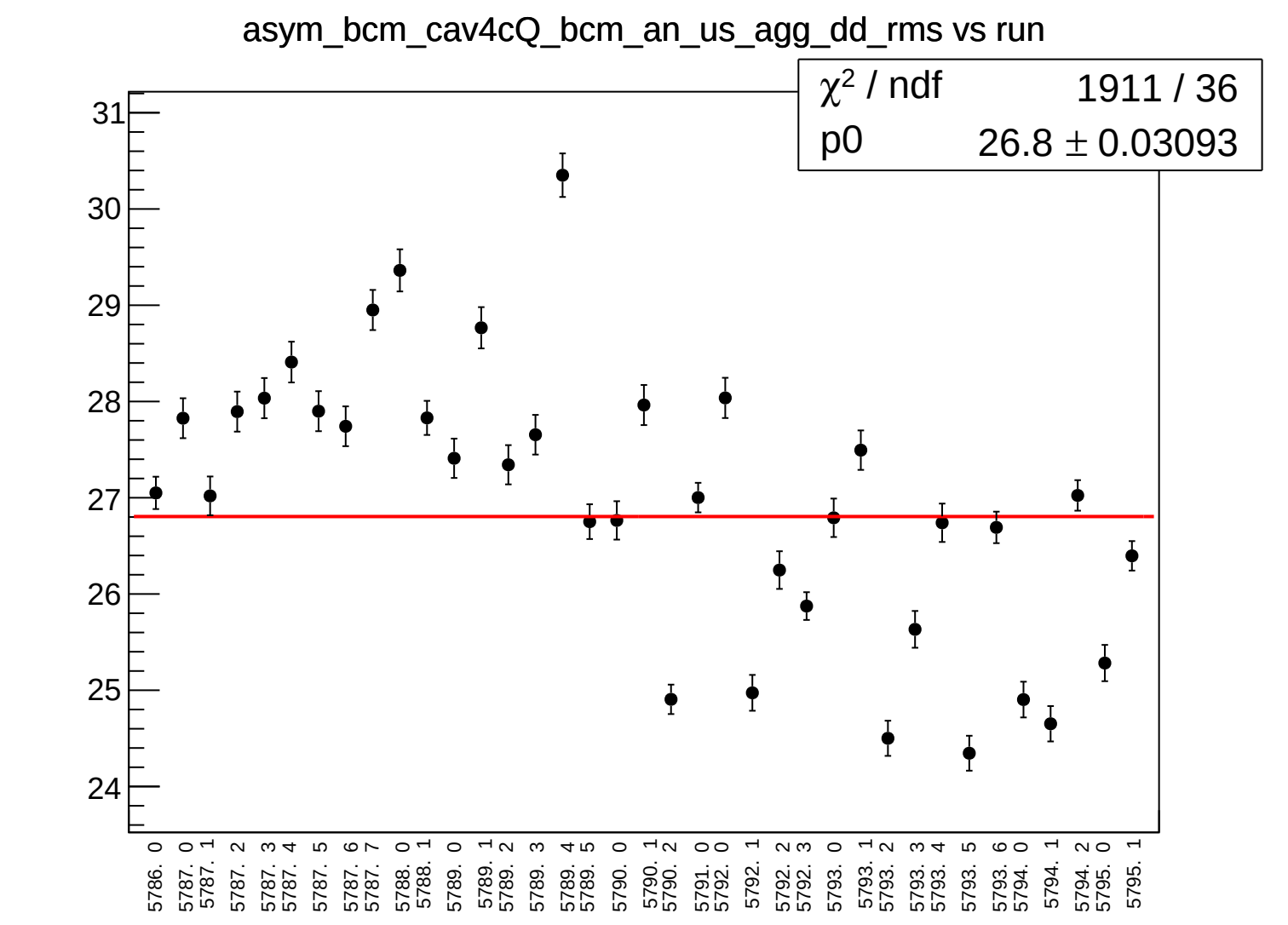

pull1D
Entries 37
Mean 0.02503
Std Dev 0.9364
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

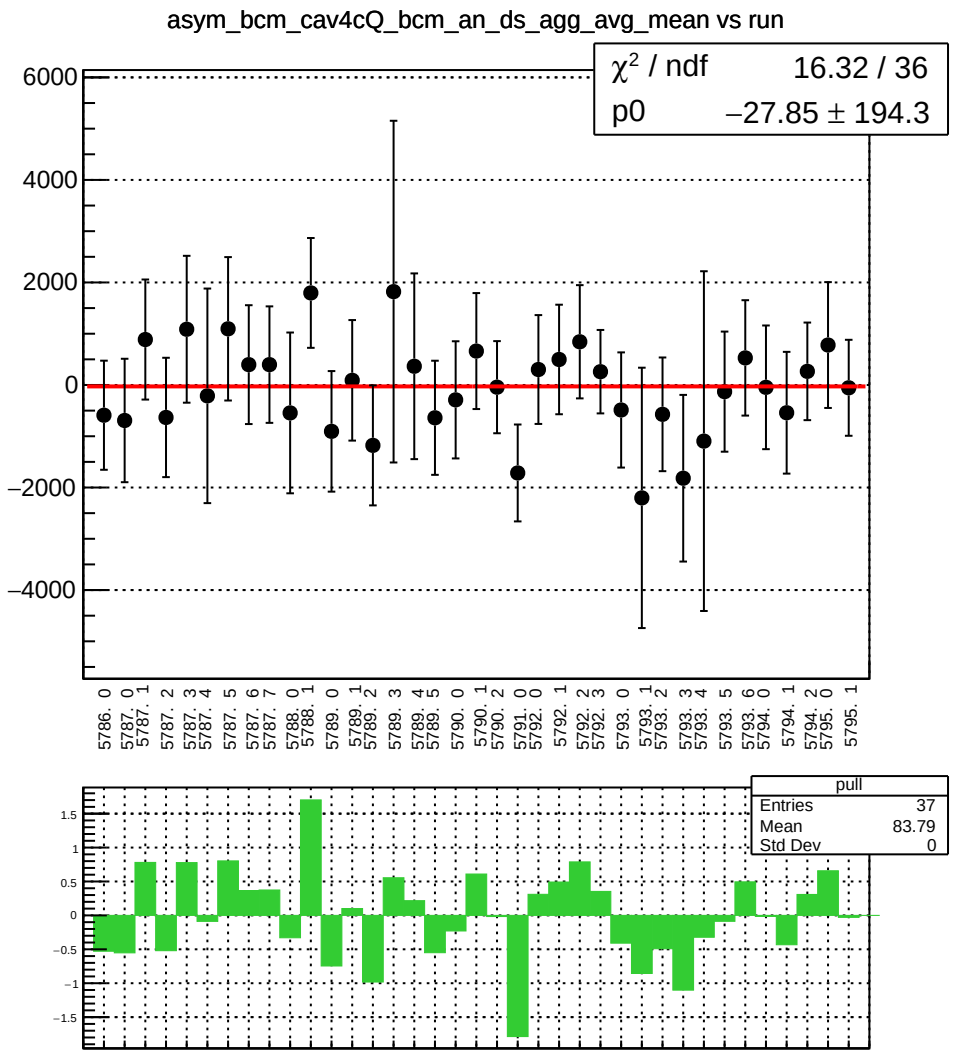

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 1919 / 36
p0 27.23 ± 0.03142
31
30
29
28
27
26
25
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

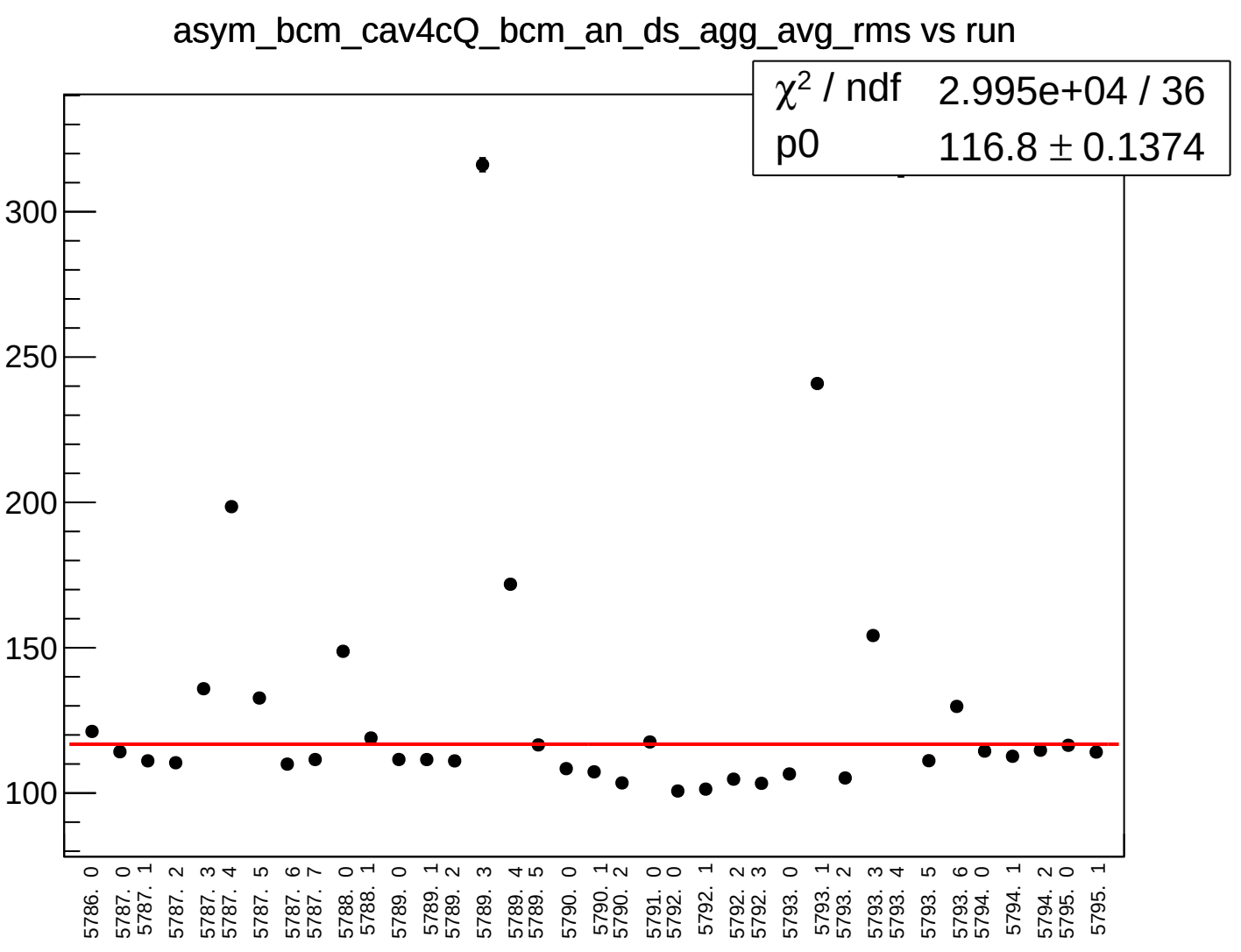

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs run
χ² / ndf 15.82 / 36
p0 −23.79 ± 195.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 112.2
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.008918
Std Dev 0.6538
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

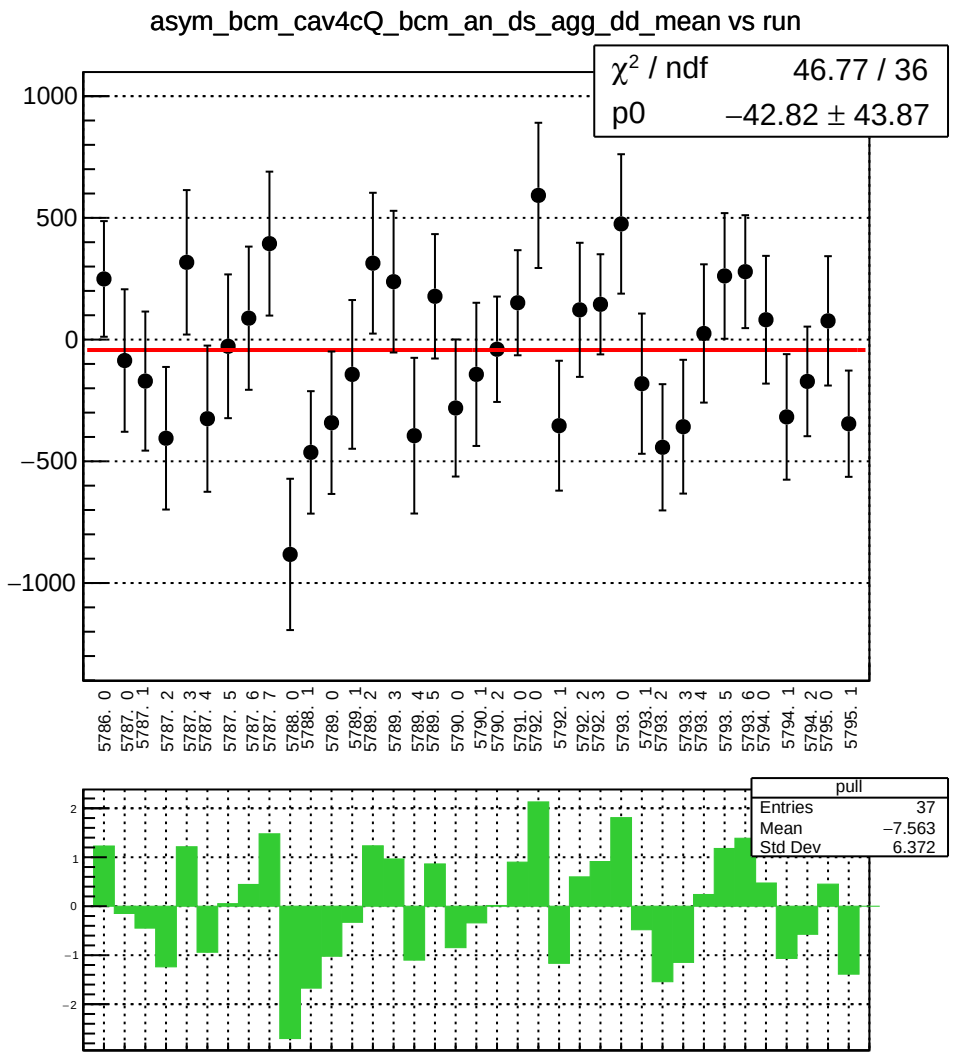

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs run
χ² / ndf 2.994e+04 / 36
p0 117.4 ± 0.1381
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

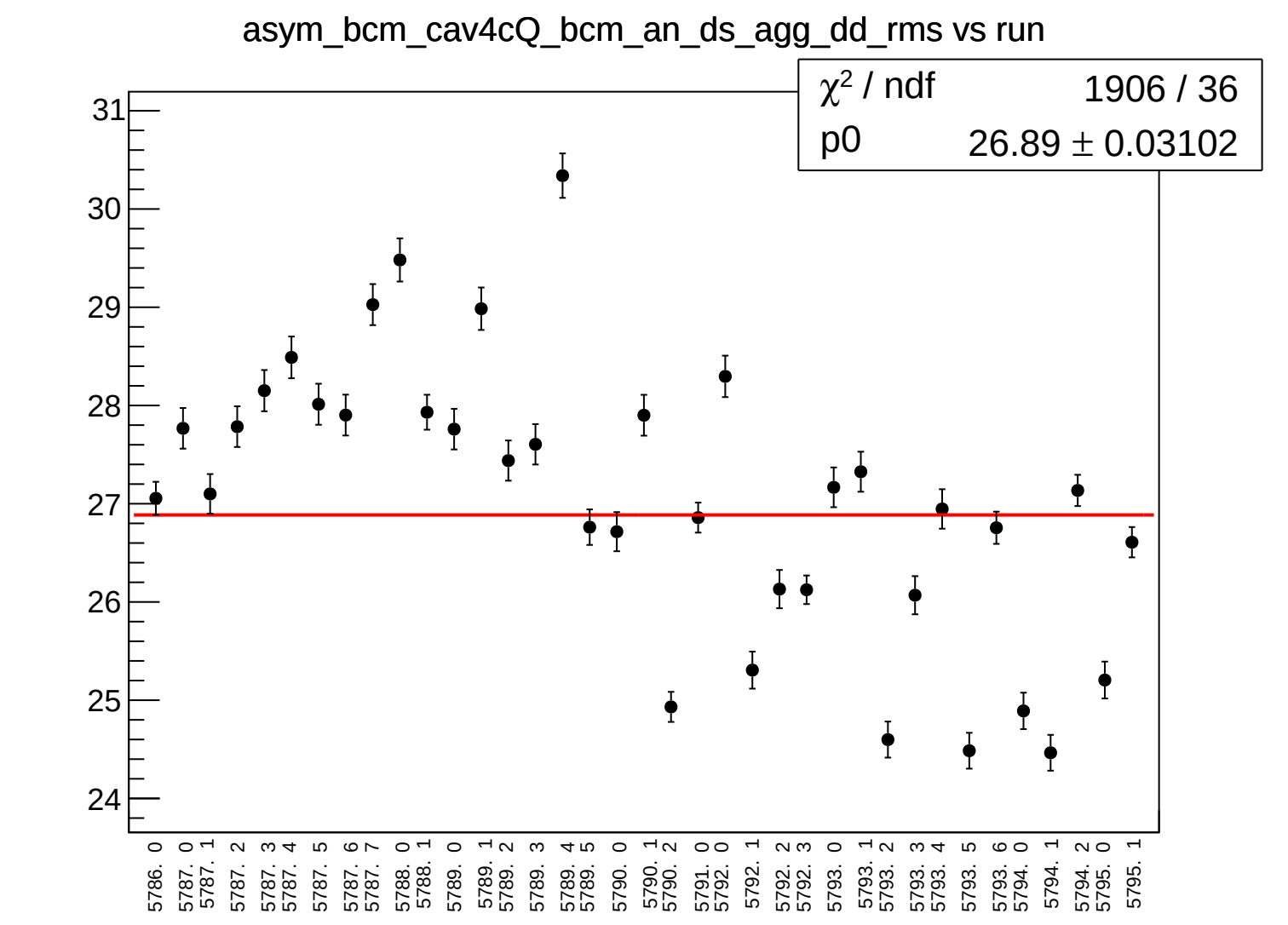

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs run
χ² / ndf 51.33 / 36
p0 −55.24 ± 43.74
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.65
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01561
Std Dev 1.178
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

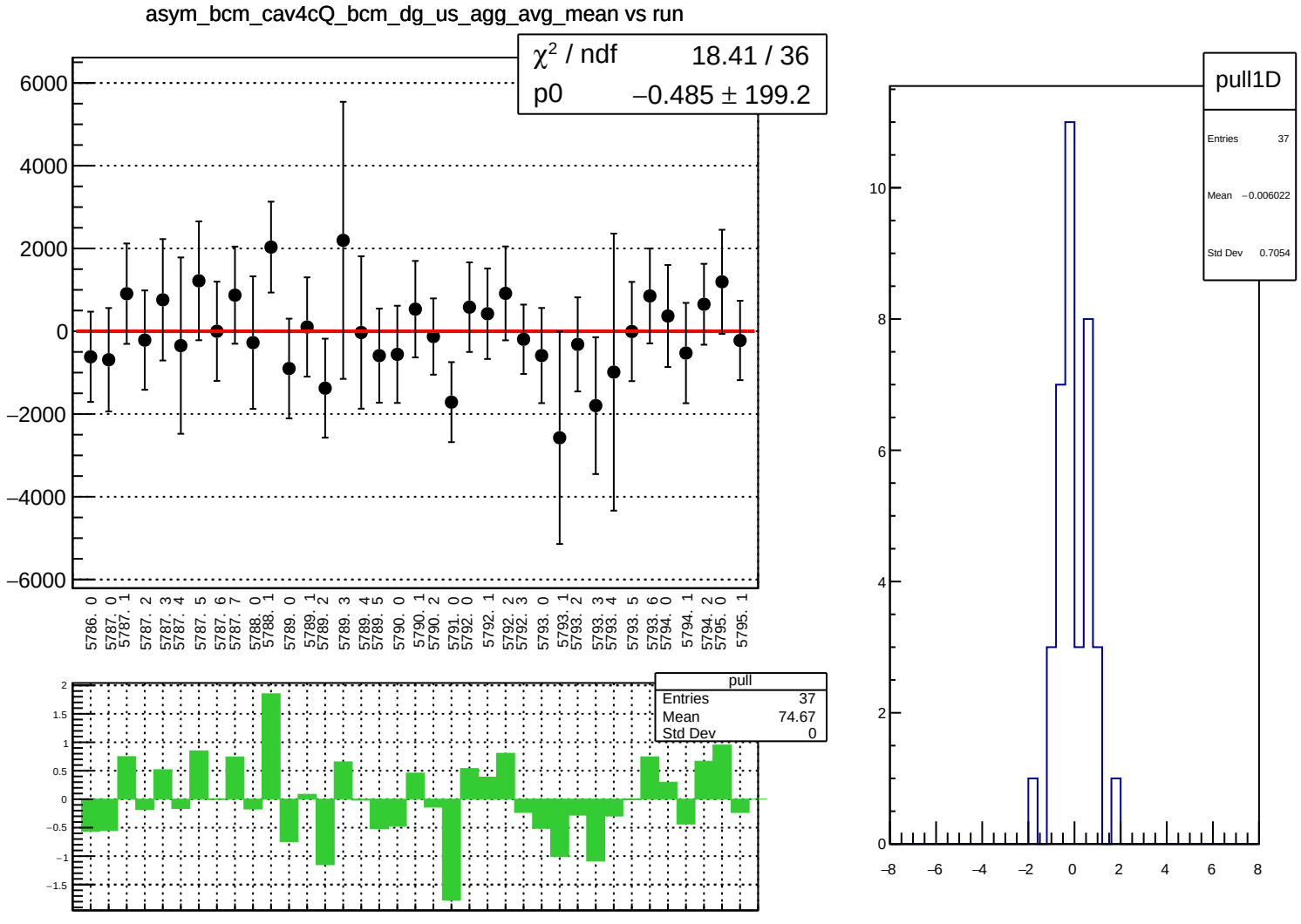

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs run
χ² / ndf 1911 / 36
p0 26.8 ± 0.03093
31
30
29
28
27
26
25
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

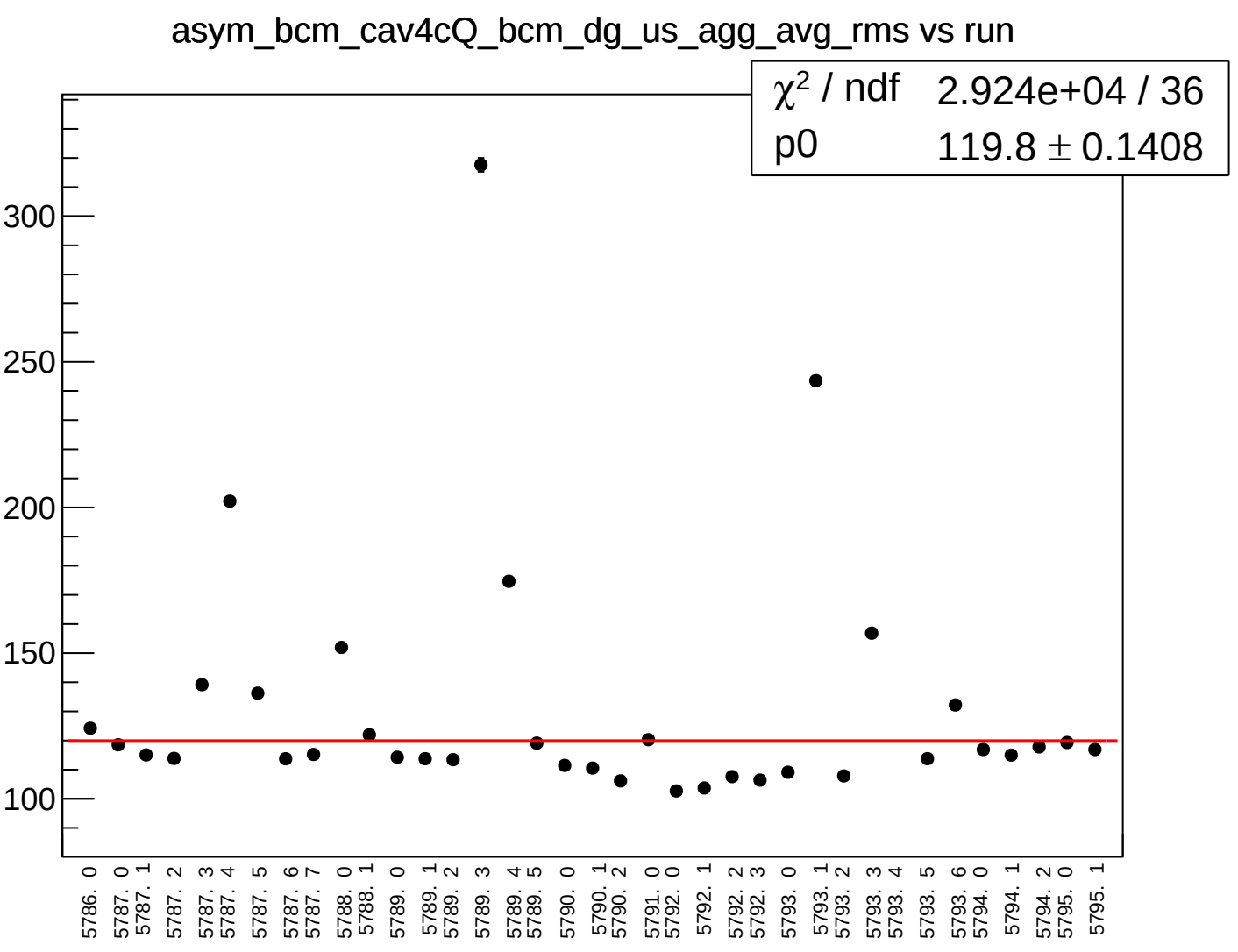

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs run
χ² / ndf 16.32 / 36
p0 −27.85 ± 194.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 83.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01021
Std Dev 0.6641
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs run
χ² / ndf 2.995e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs run
χ² / ndf 46.77 / 36
p0 −42.82 ± 43.87
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.563
Std Dev 6.372
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01527
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs run
χ² / ndf 1906 / 36
p0 26.89 ± 0.03102
31
30
29
28
27
26
25
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs run
χ² / ndf 18.41 / 36
p0 −0.485 ± 199.2
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 74.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.006022
Std Dev 0.7054
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 2.924e+04 / 36
p0 119.8 ± 0.1408
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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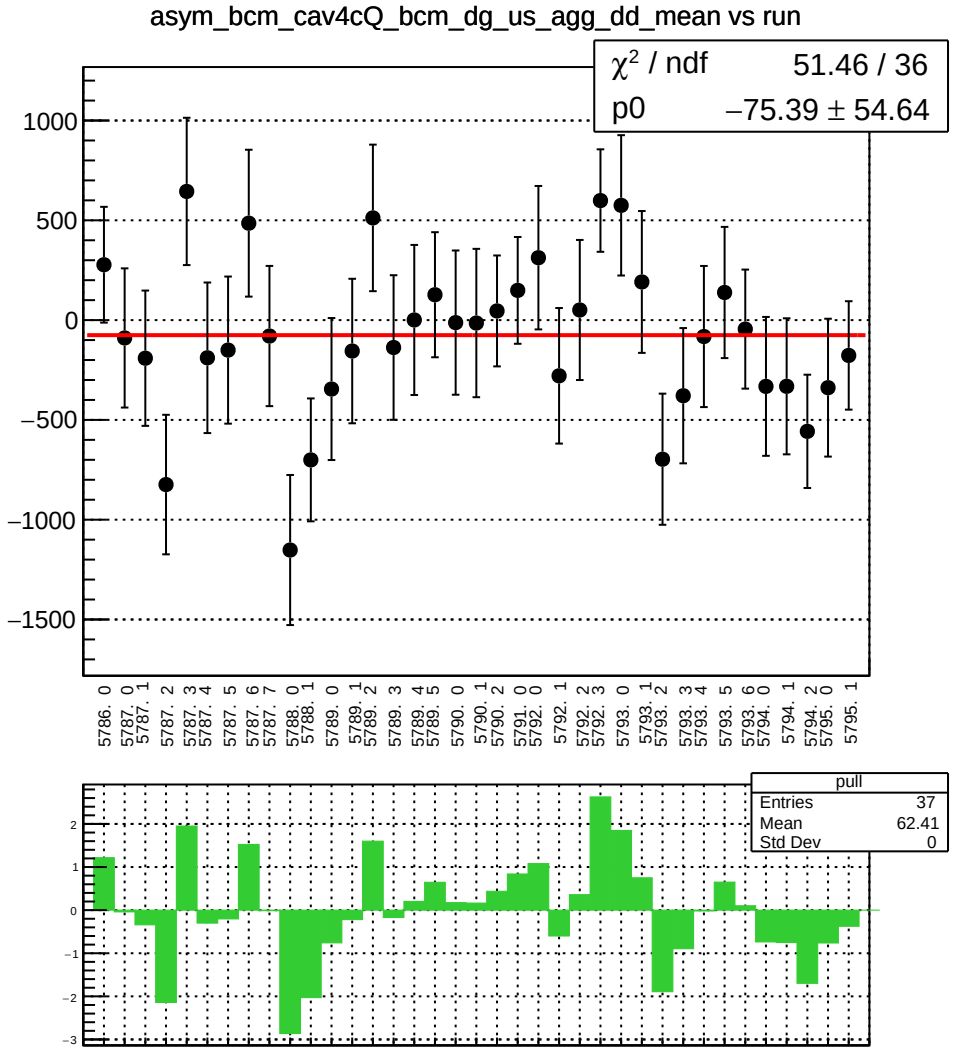
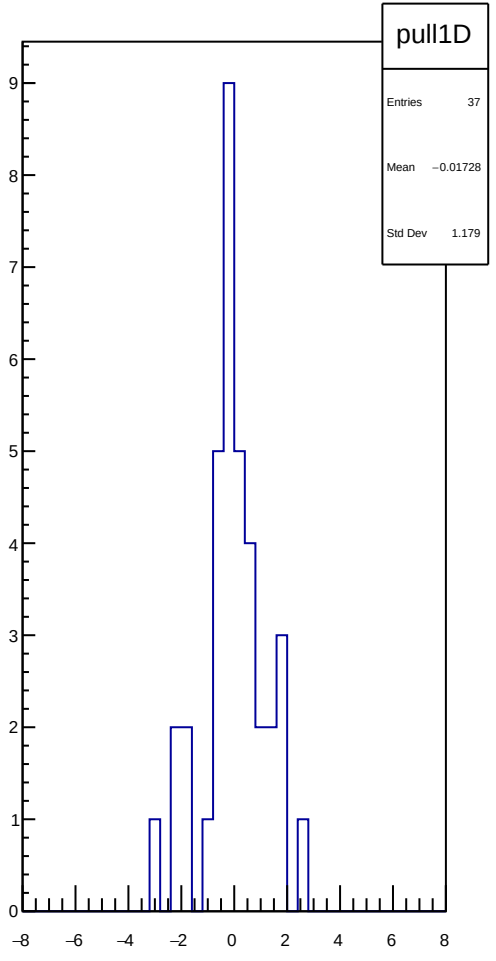
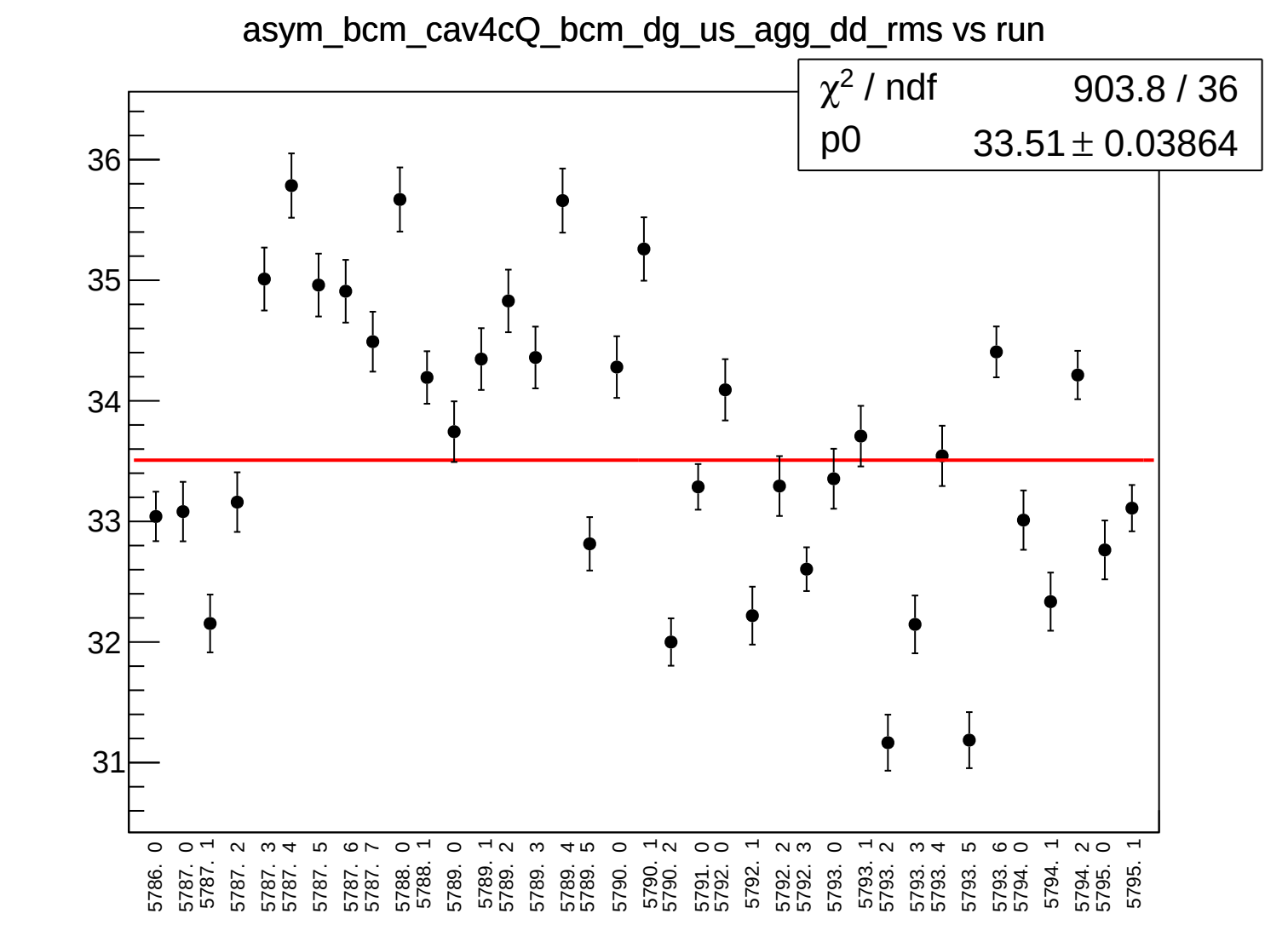
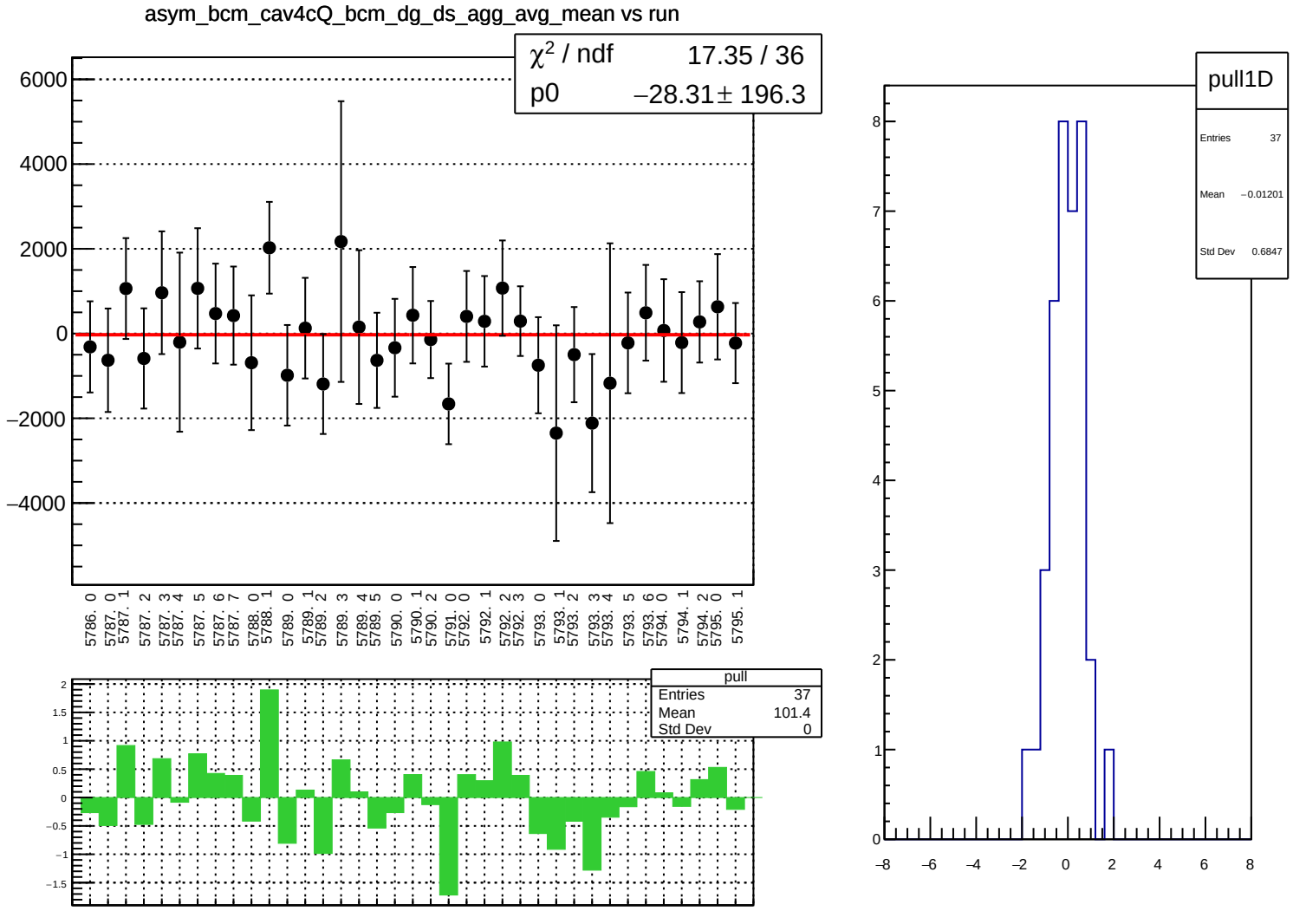
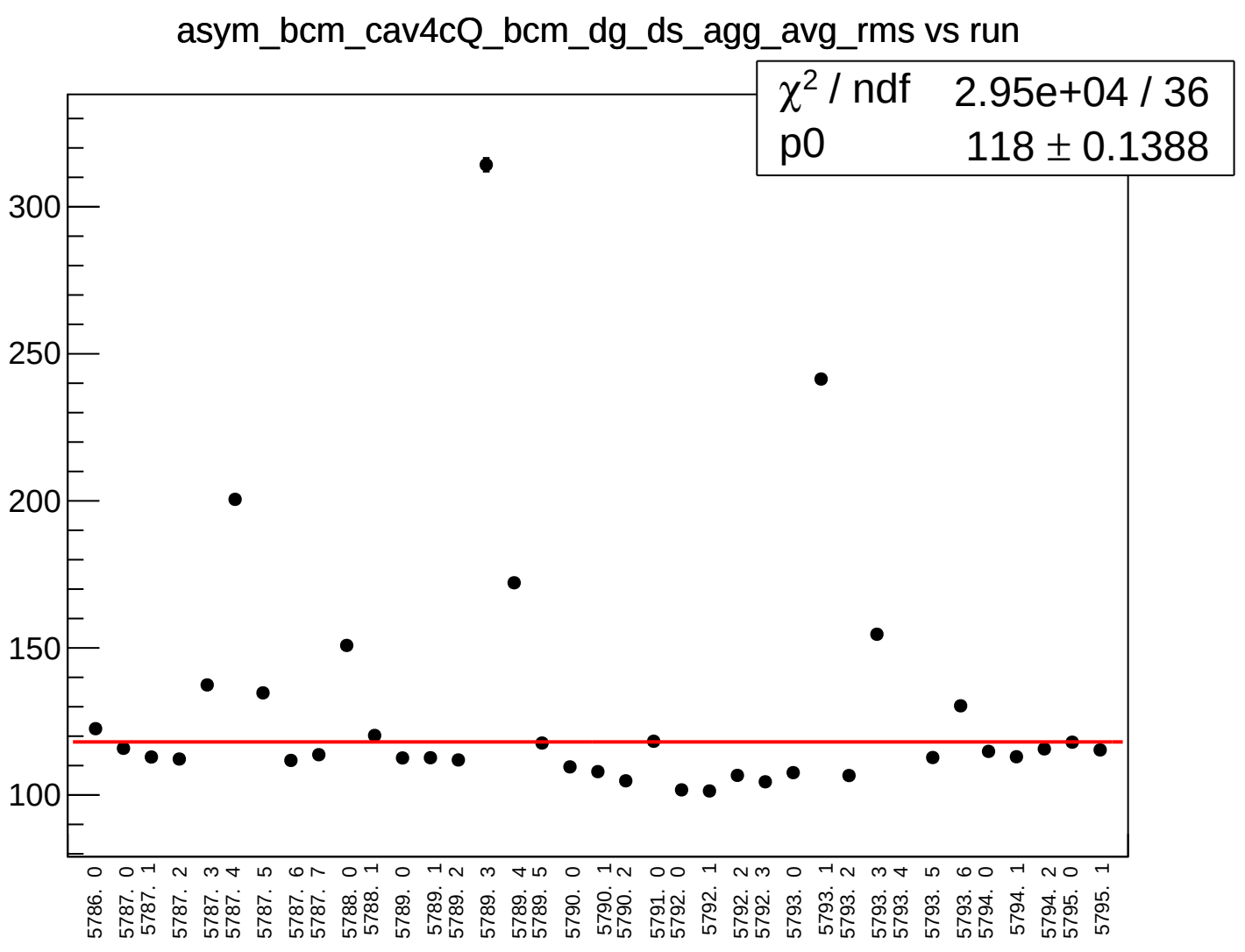
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

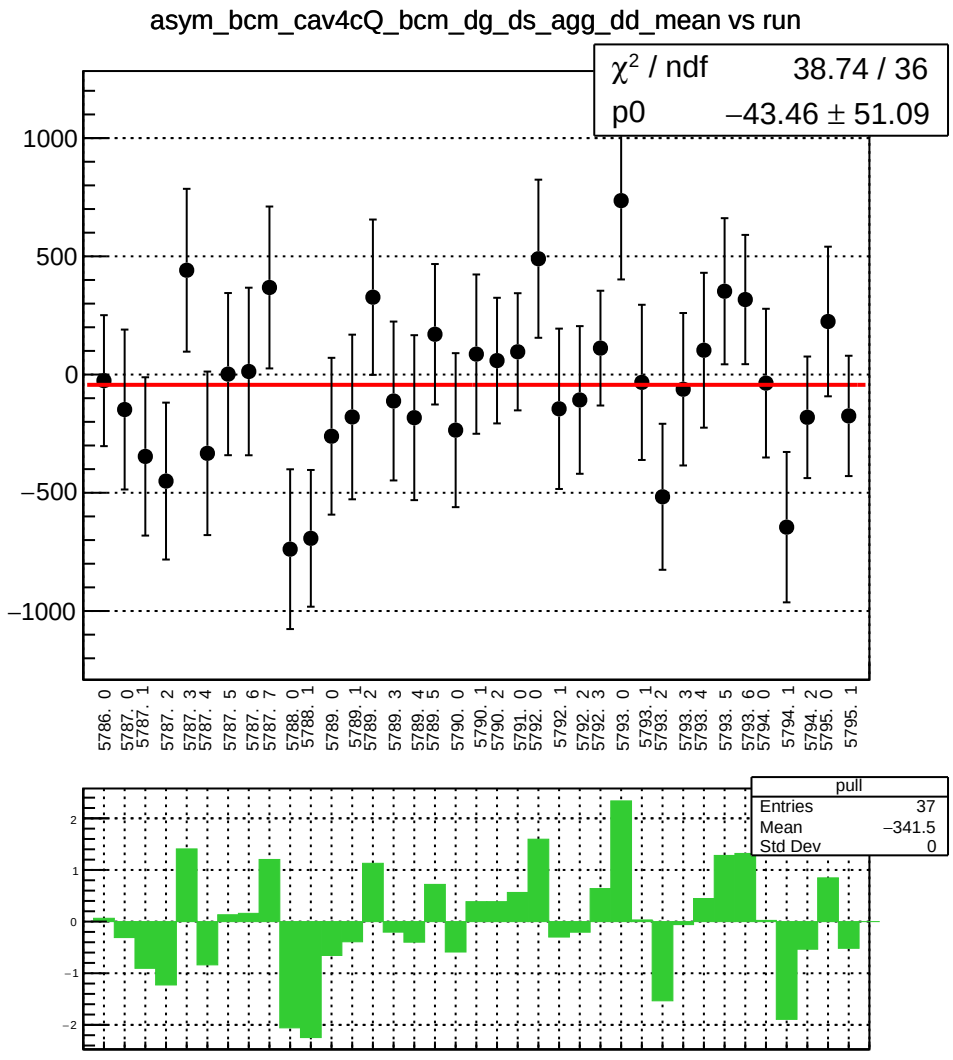

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs run
χ² / ndf 51.46 / 36
p0 −75.39 ± 54.64
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 62.41
Std Dev 0
2
1
0
−1
−2
−3

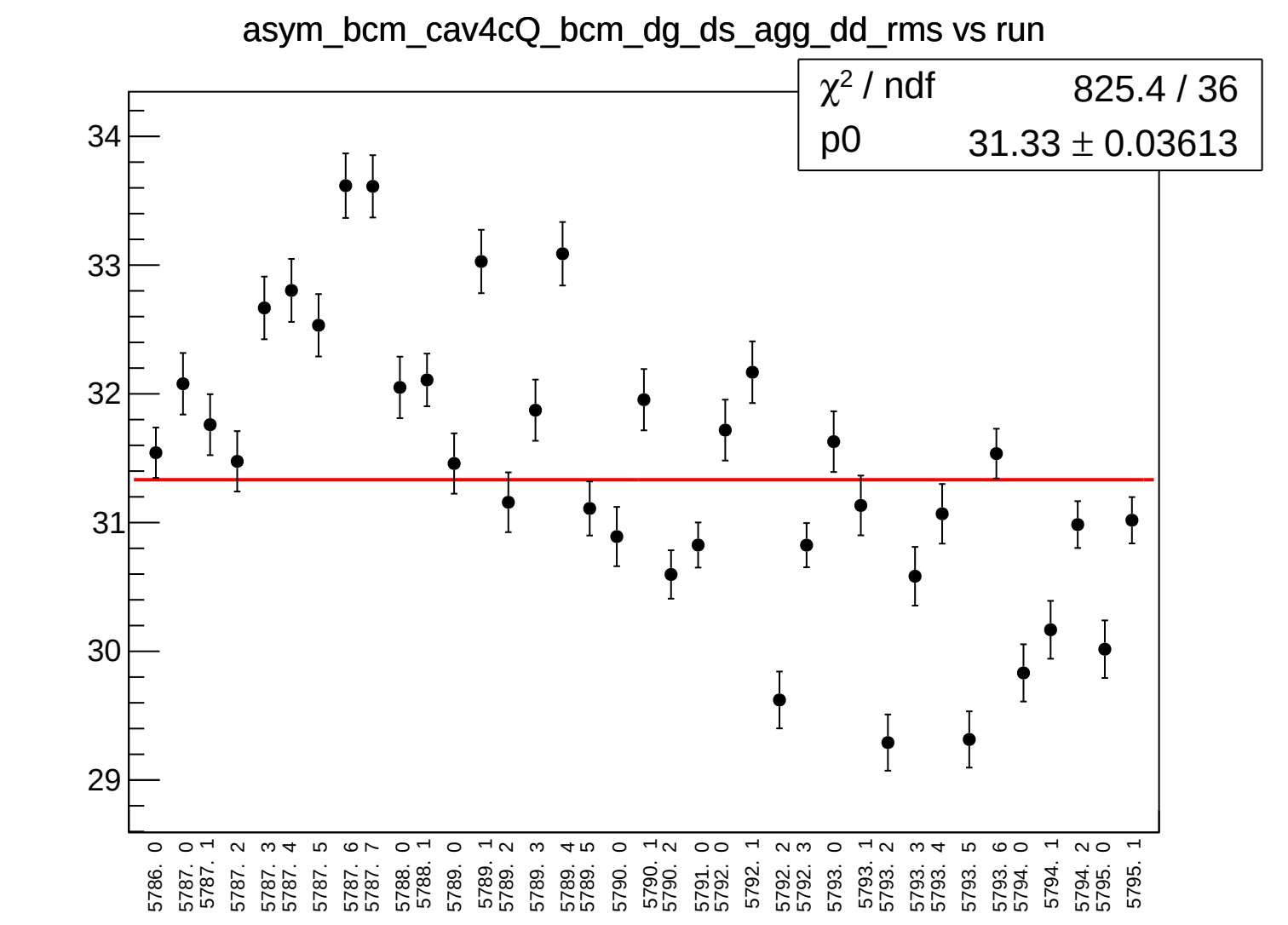

pull1D
Entries 37
Mean −0.01728
Std Dev 1.179
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

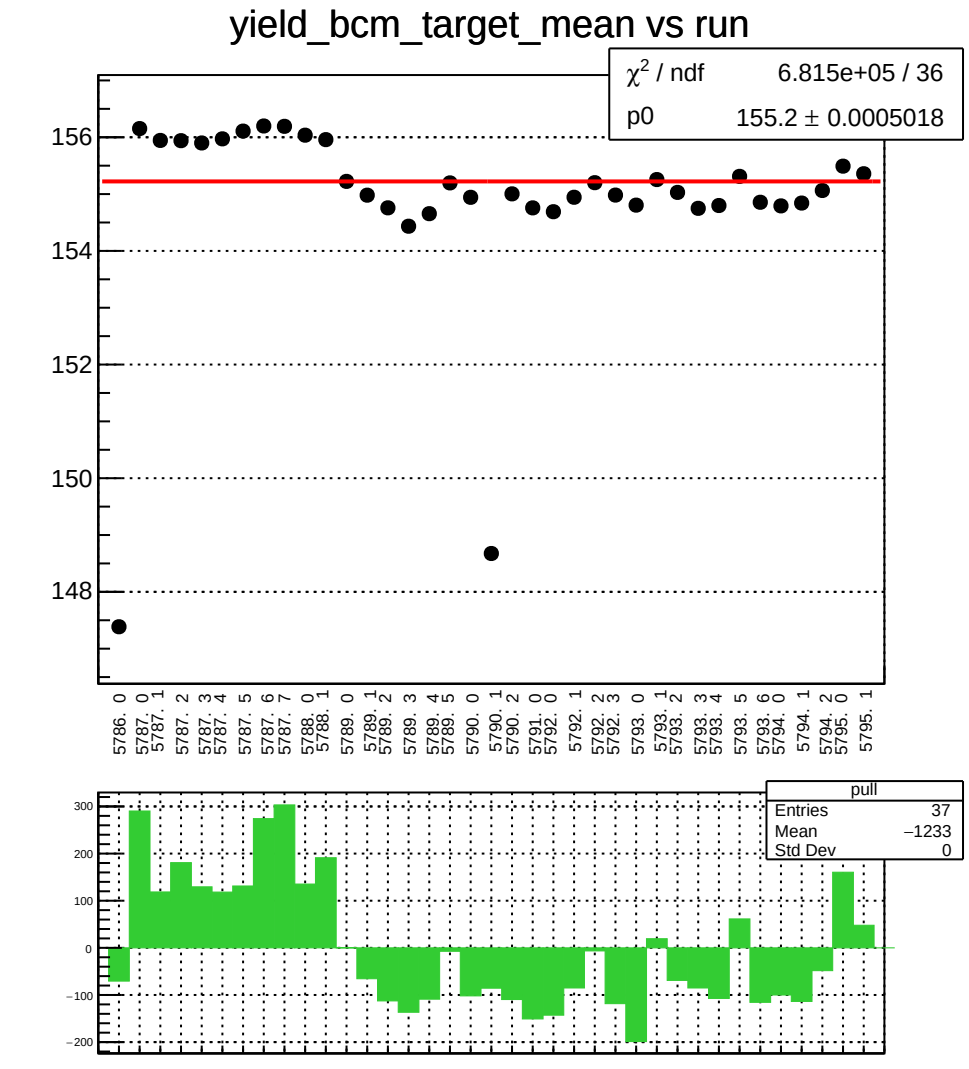

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs run
χ² / ndf 903.8 / 36
p0 33.51 ± 0.03864
36
35
34
33
32
31
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

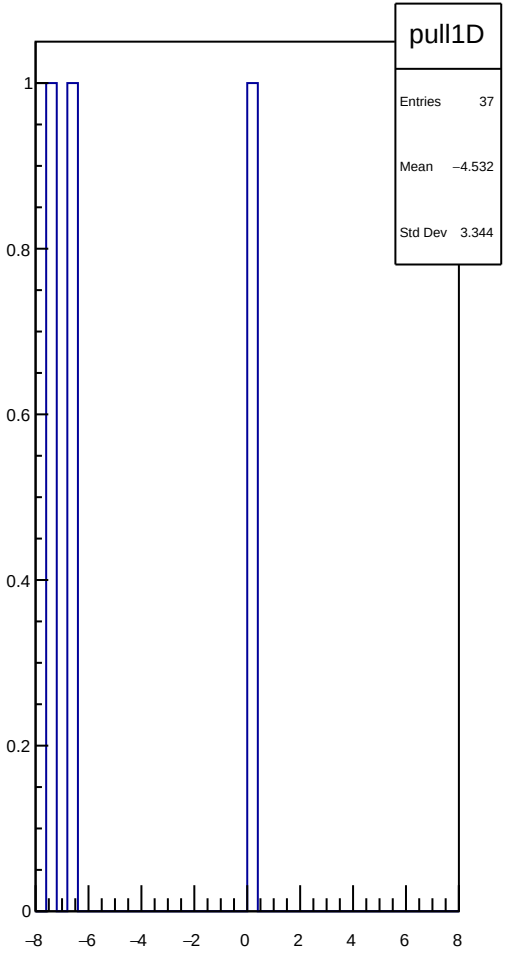

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs run
χ² / ndf 17.35 / 36
p0 −28.31 ± 196.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 101.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01201
Std Dev 0.6847
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

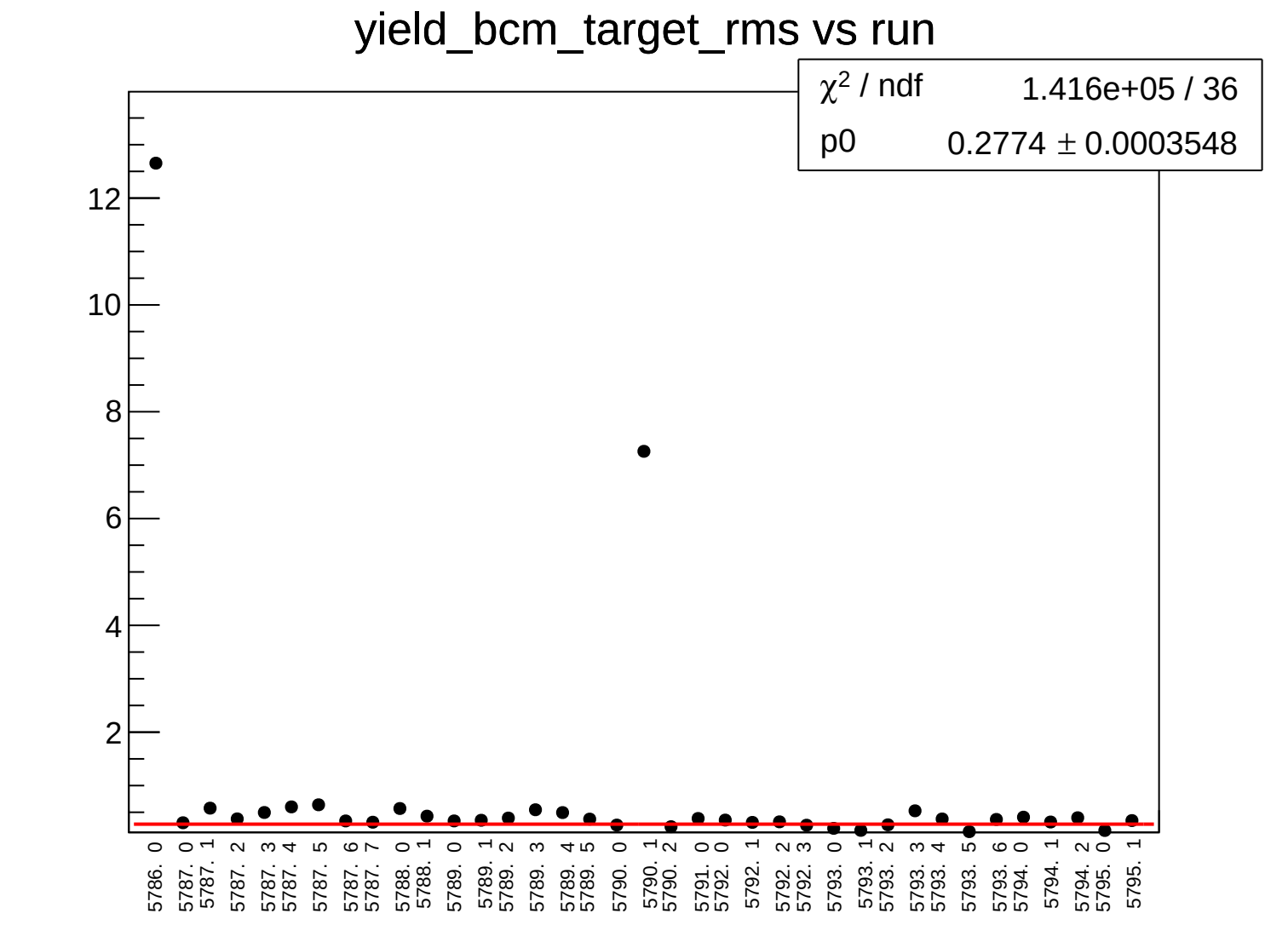

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs run
χ² / ndf 2.95e+04 / 36
p0 118 ± 0.1388
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

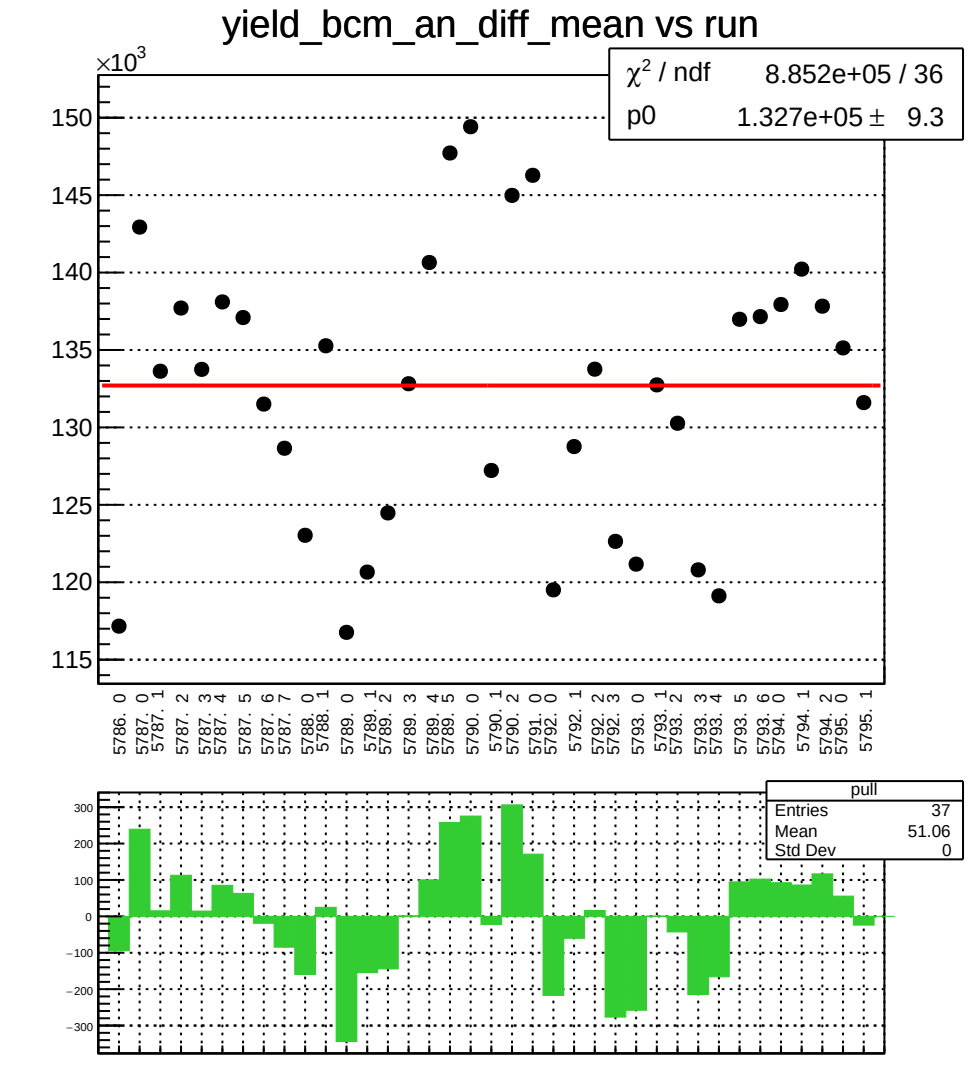

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs run
χ² / ndf 38.74 / 36
p0 −43.46 ± 51.09
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −341.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.005089
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

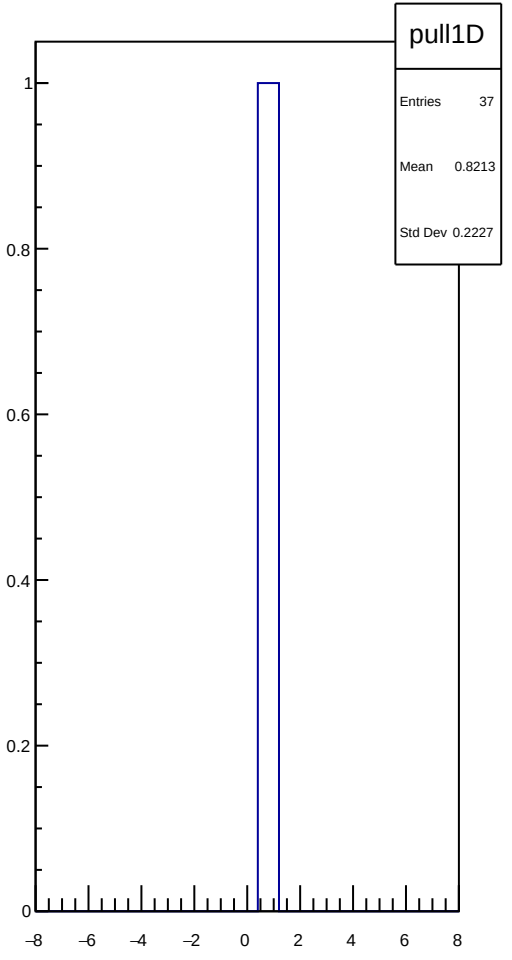

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs run
χ² / ndf 825.4 / 36
p0 31.33 ± 0.03613
34
33
32
31
30
29
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

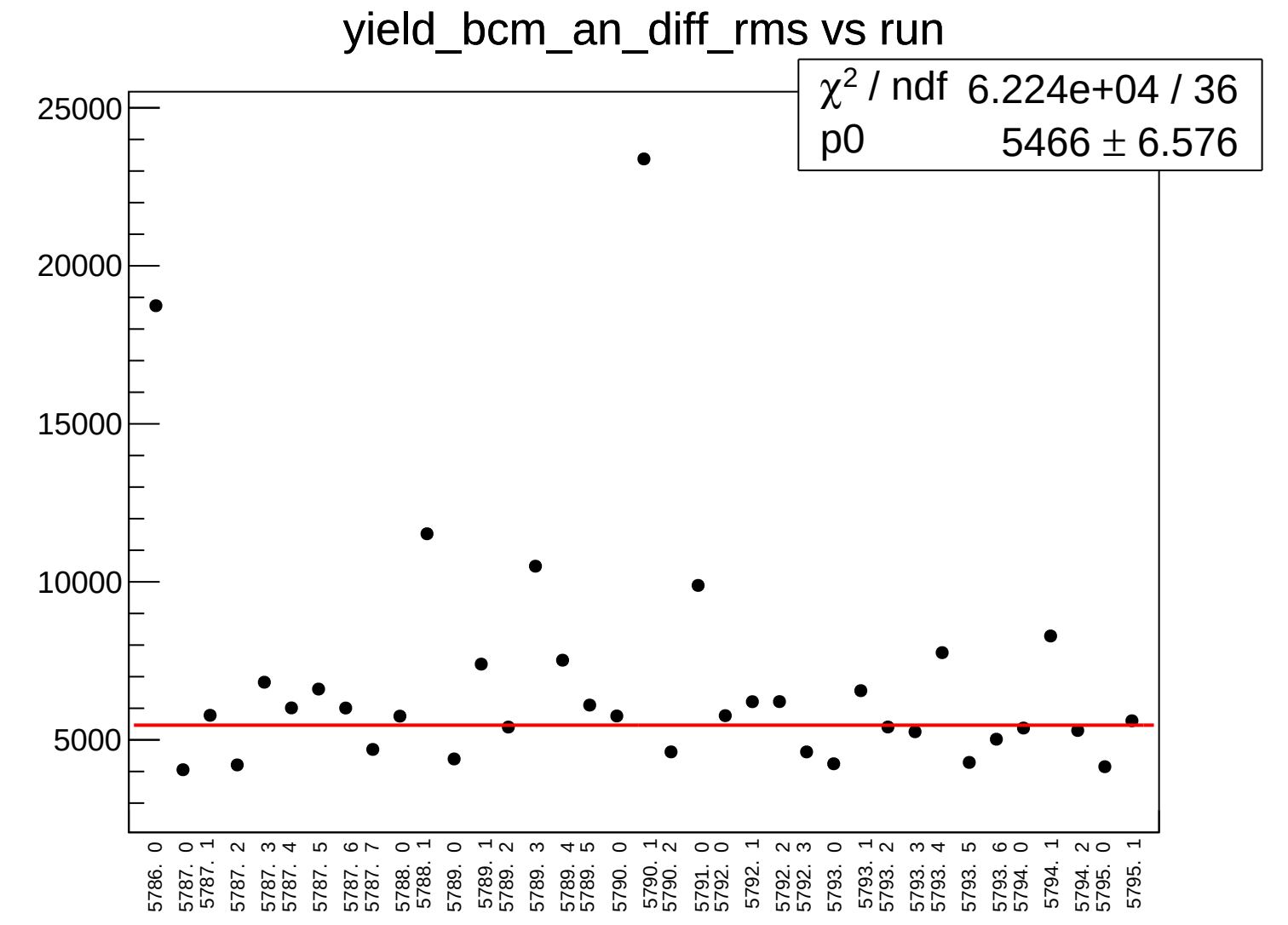

yield_bcm_target_mean vs run
χ² / ndf 6.815e+05 / 36
p0 155.2 ± 0.0005018
156
154
152
150
148
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1233
Std Dev 0
300
200
100
0
−100
−200

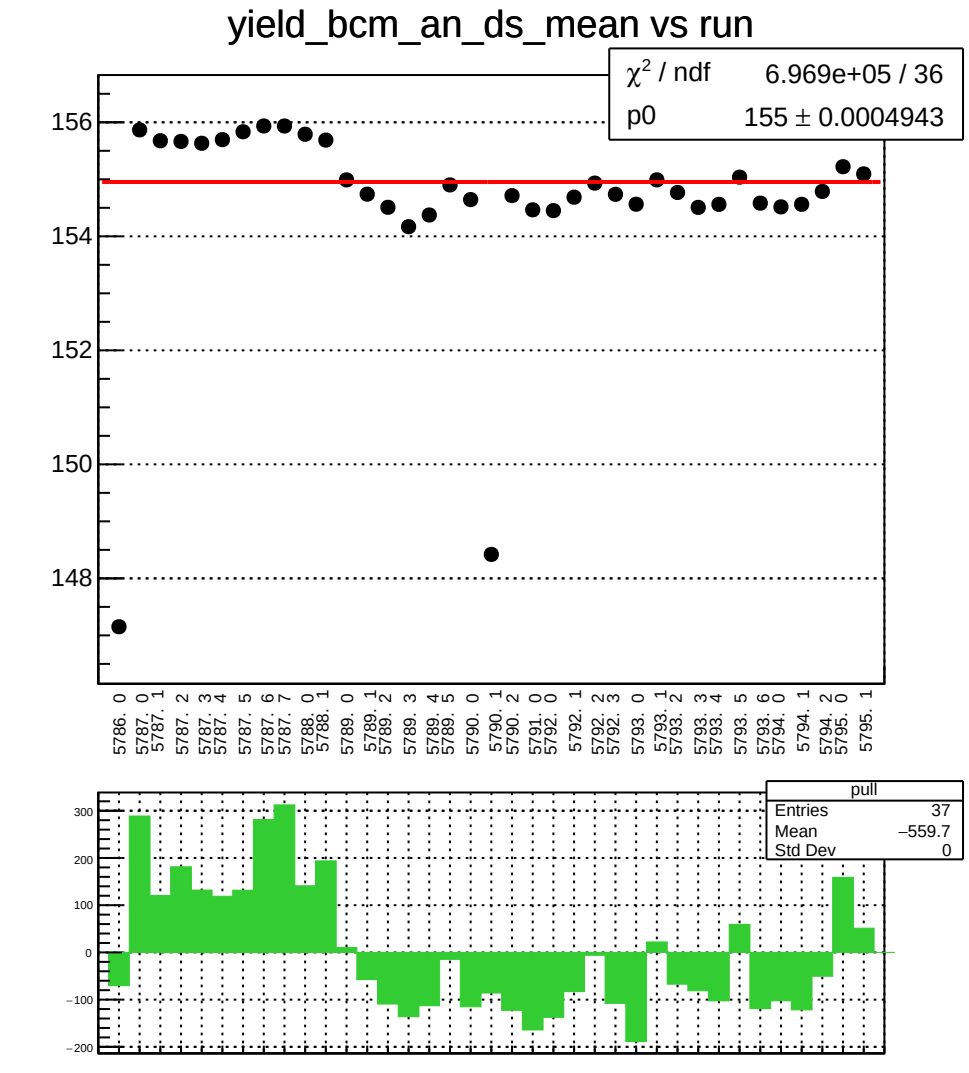

pull1D
Entries 37
Mean −4.532
Std Dev 3.344
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

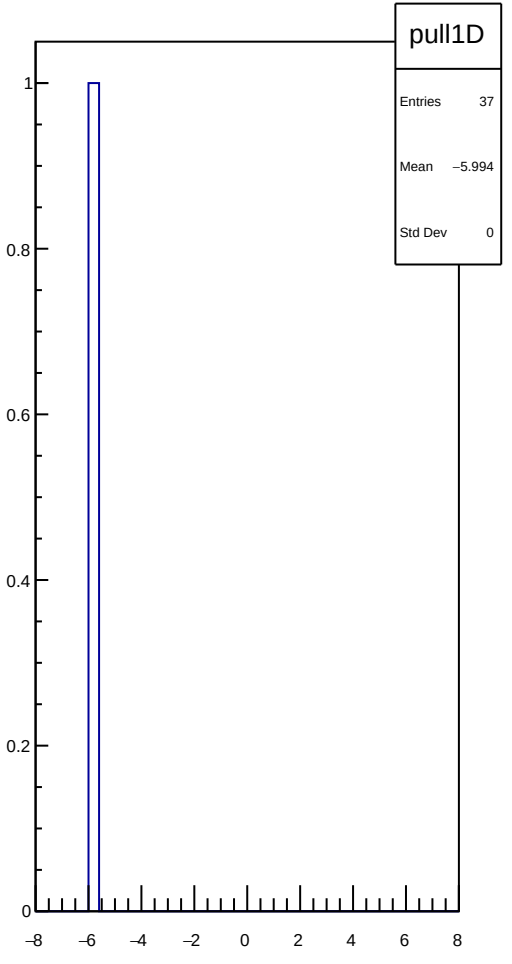

yield_bcm_target_rms vs run
χ² / ndf 1.416e+05 / 36
p0 0.2774 ± 0.0003548
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

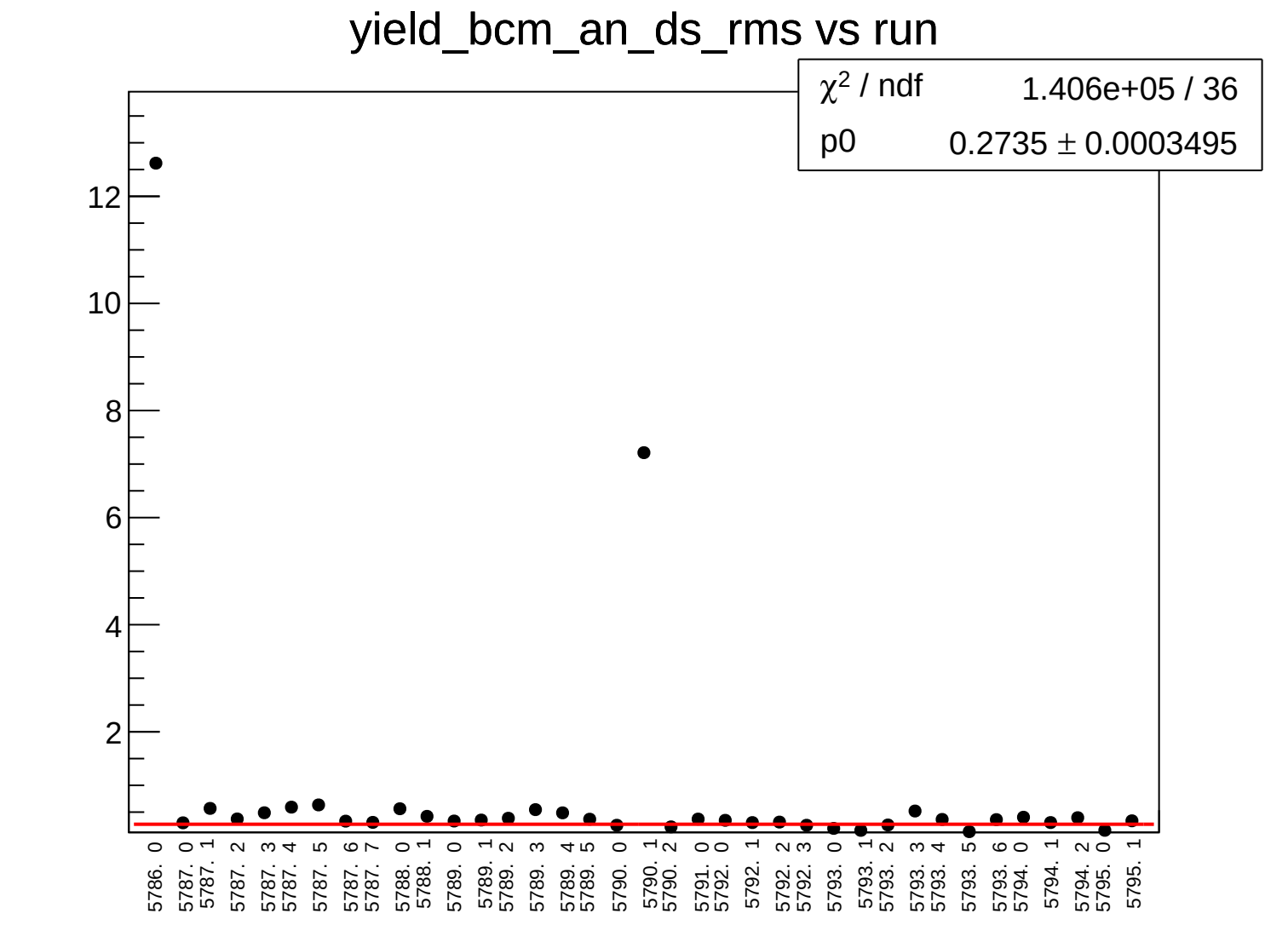

yield_bcm_an_diff_mean vs run
×10^3
χ² / ndf 8.852e+05 / 36
p0 1.327e+05 ± 9.3
150
145
140
135
130
125
120
115
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 51.06
Std Dev 0
300
200
100
0
−100
−200
−300

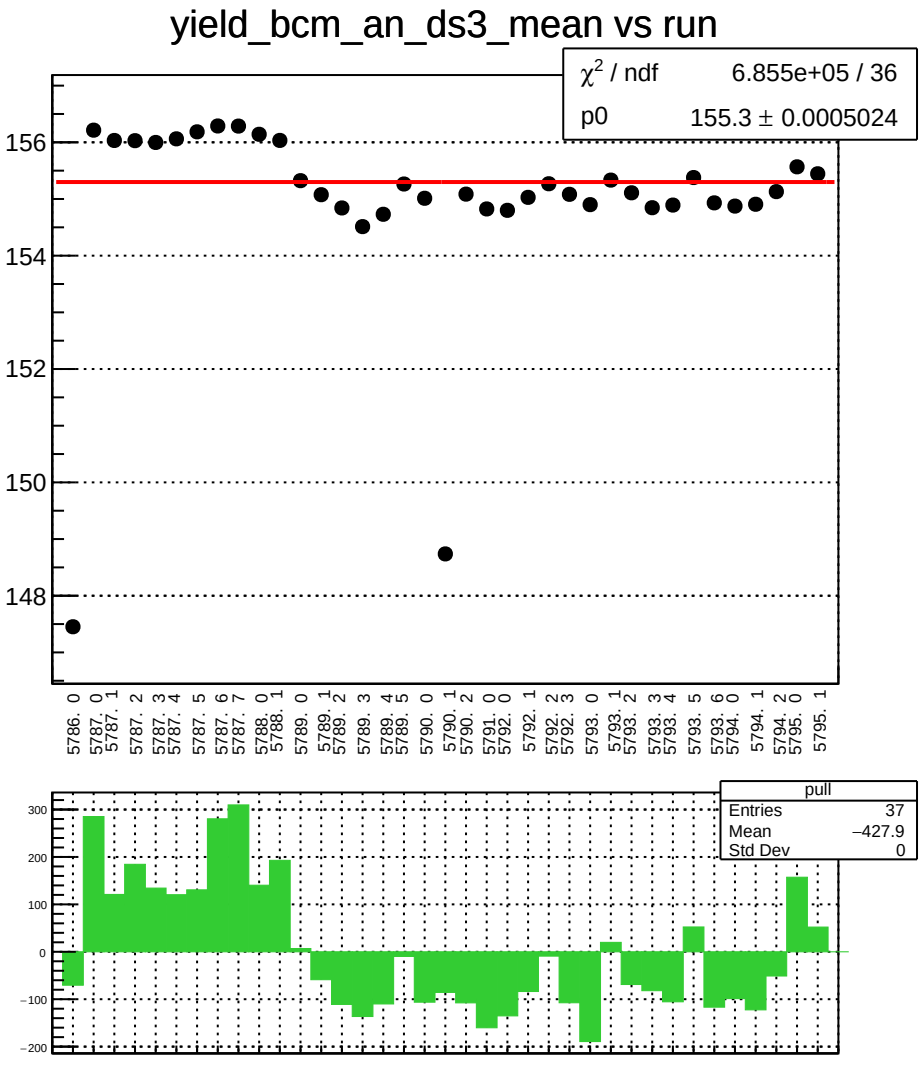

pull1D
Entries 37
Mean 0.8213
Std Dev 0.2227
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

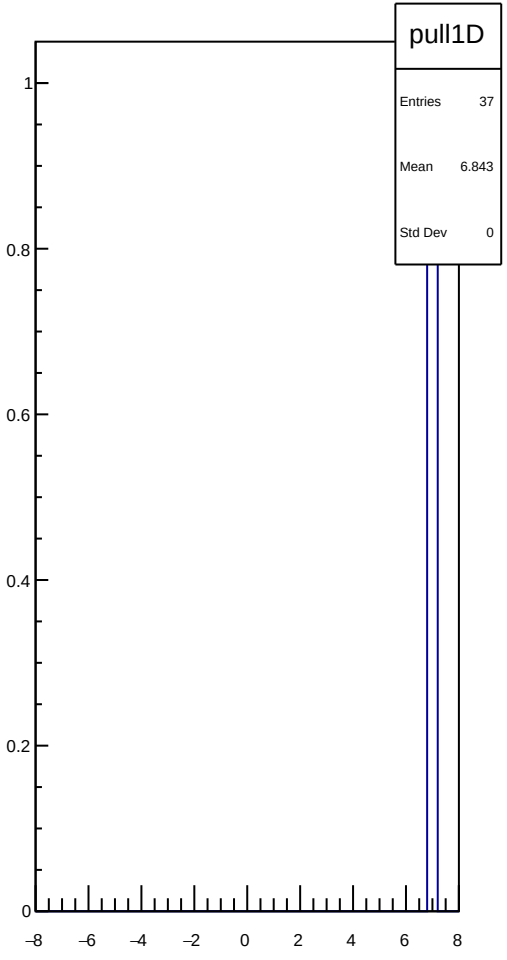

yield_bcm_an_diff_rms vs run
χ² / ndf 6.224e+04 / 36
p0 5466 ± 6.576
25000
20000
15000
10000
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

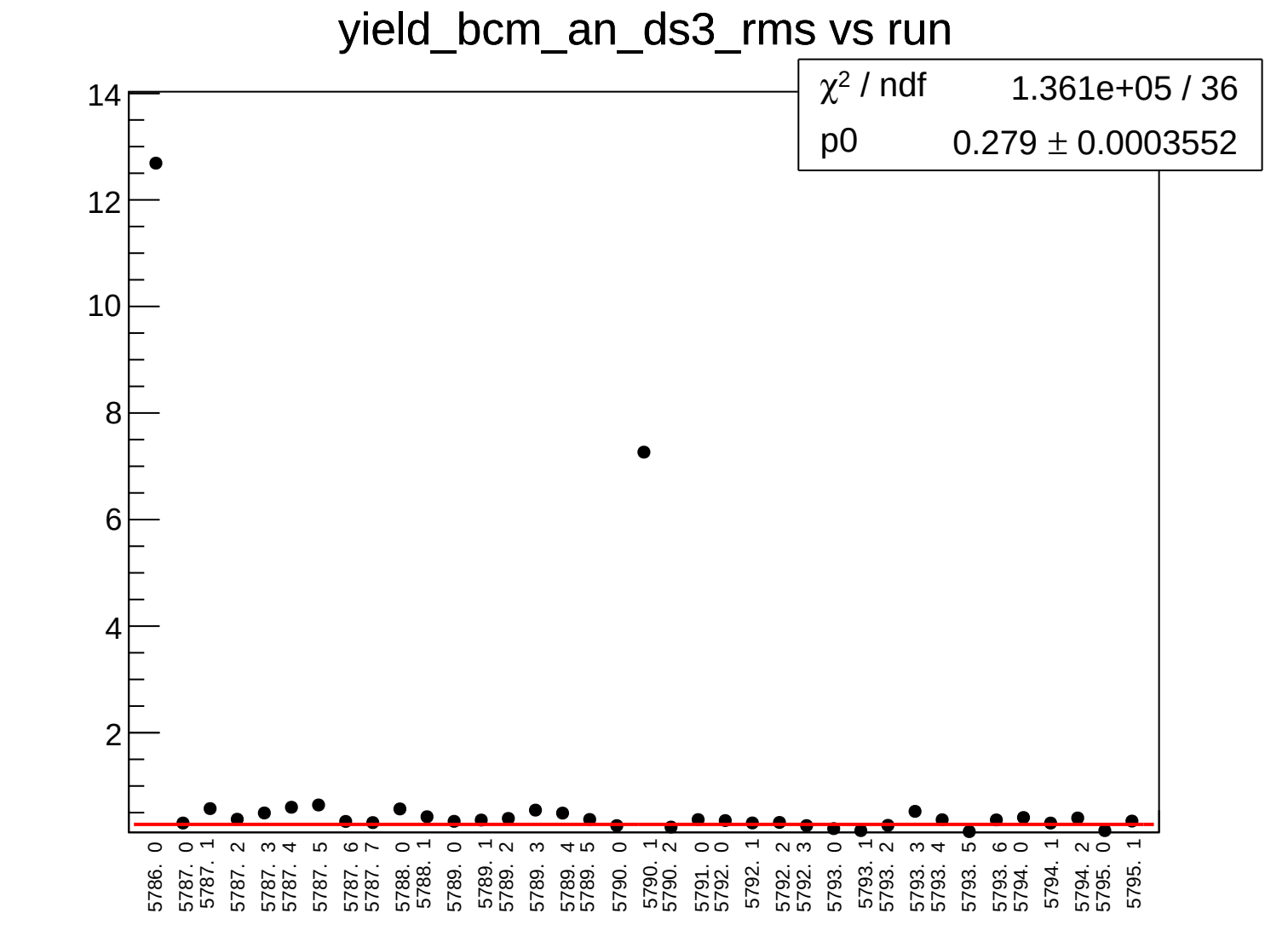

yield_bcm_an_ds_mean vs run
χ² / ndf 6.969e+05 / 36
p0 155 ± 0.0004943
156
154
152
150
148
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −559.7
Std Dev 0
300
200
100
0
−100
−200

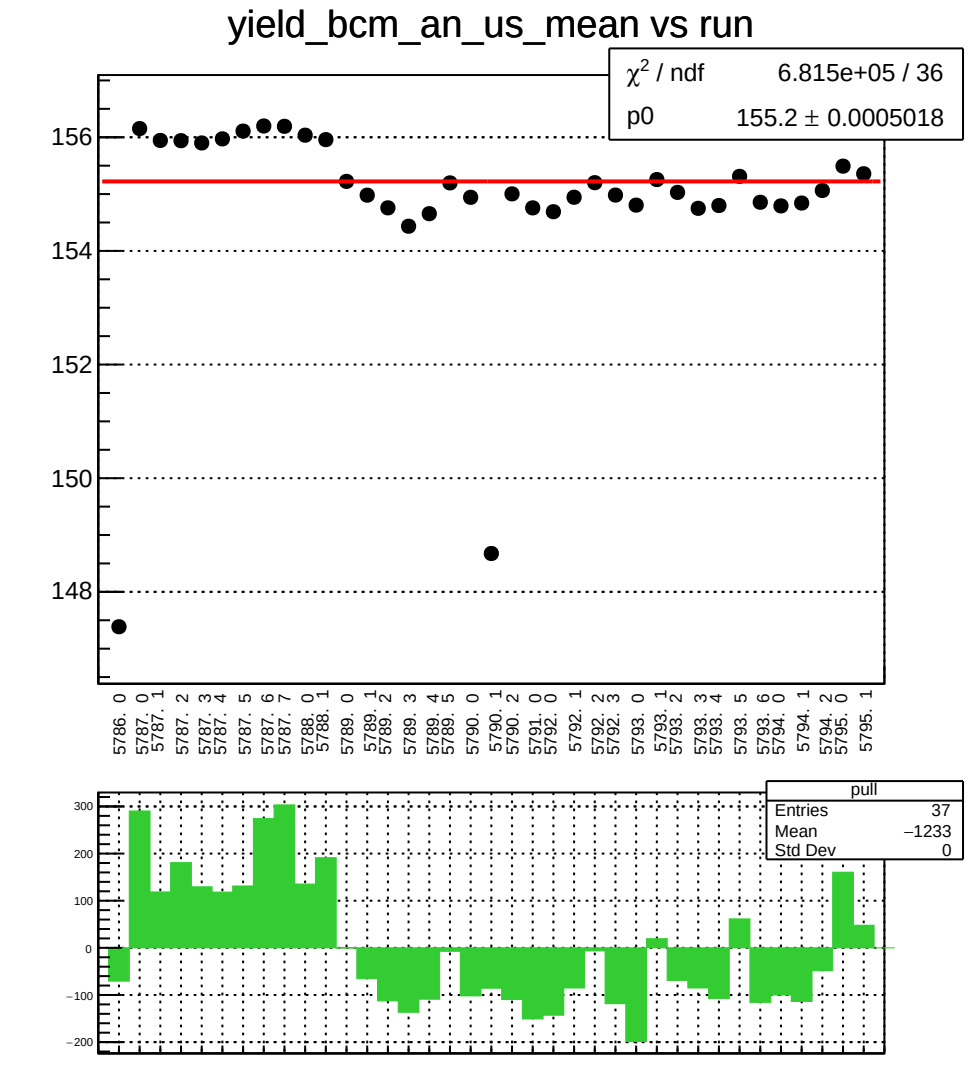

pull1D
Entries 37
Mean −5.994
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

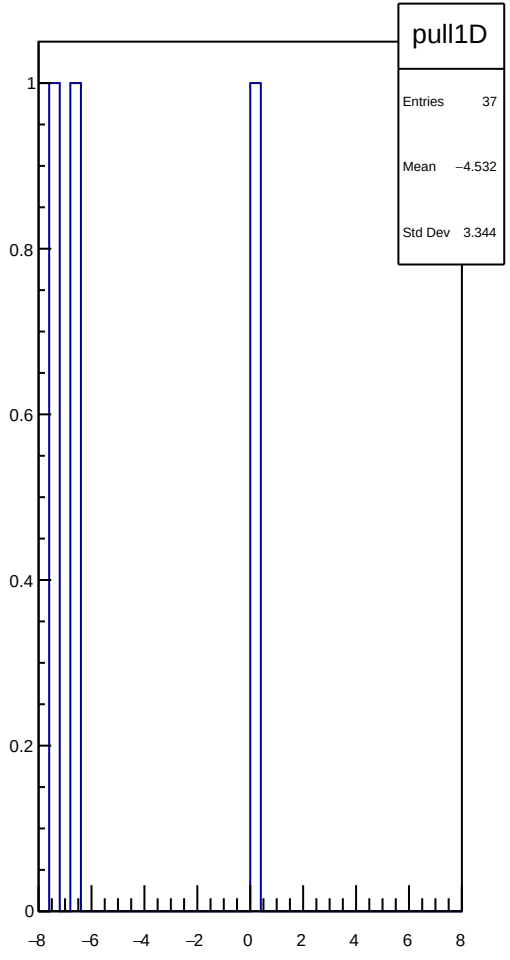

yield_bcm_an_ds_rms vs run
χ² / ndf 1.406e+05 / 36
p0 0.2735 ± 0.0003495
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

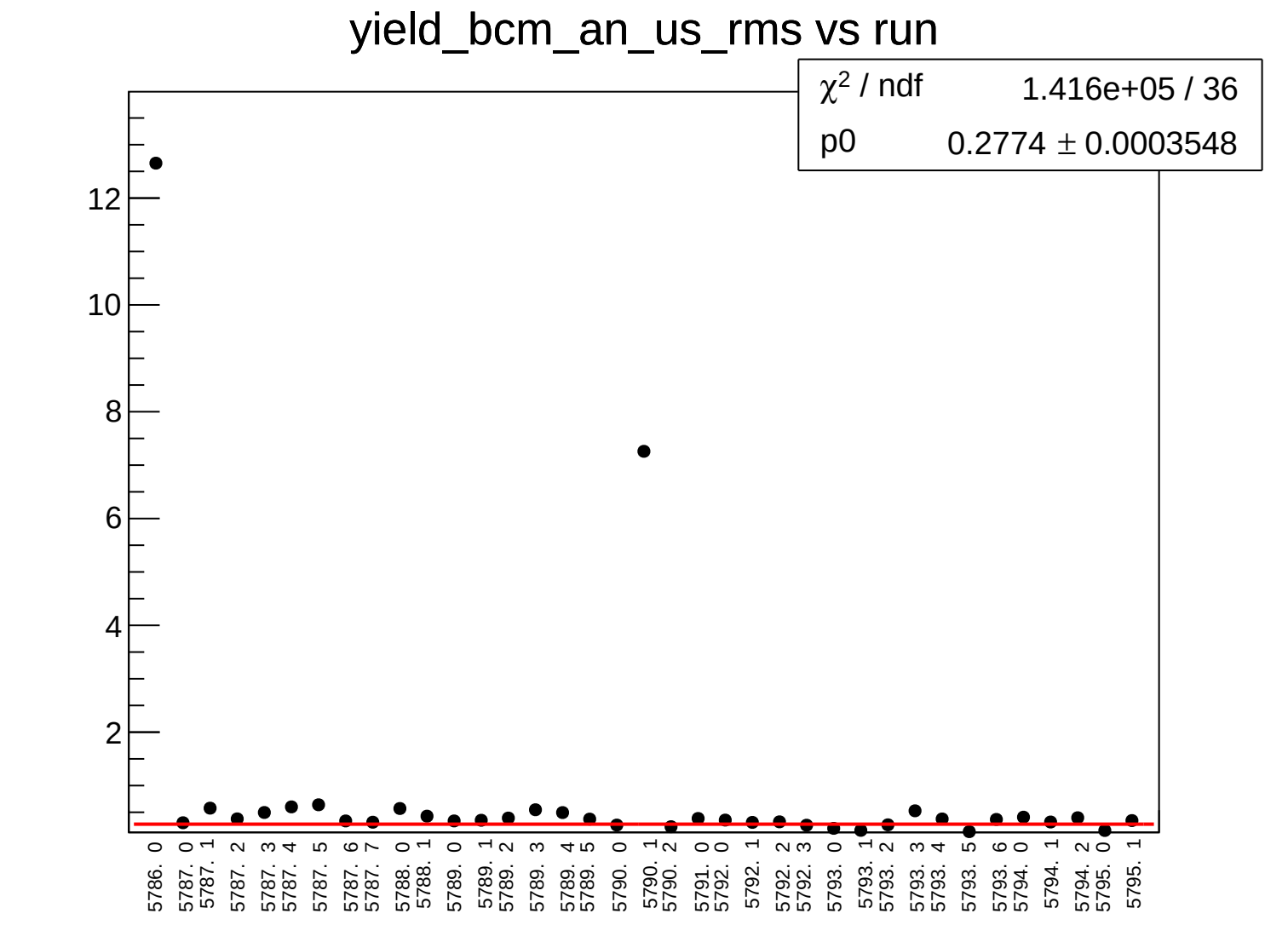

yield_bcm_an_ds3_mean vs run
χ² / ndf 6.855e+05 / 36
p0 155.3 ± 0.0005024
156
154
152
150
148
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −427.9
Std Dev 0
300
200
100
0
−100
−200


pull1D
Entries 37
Mean 6.843
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_ds3_rms vs run
χ² / ndf 1.361e+05 / 36
p0 0.279 ± 0.0003552
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


yield_bcm_an_us_mean vs run
χ² / ndf 6.815e+05 / 36
p0 155.2 ± 0.0005018
156
154
152
150
148
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1233
Std Dev 0
300
200
100
0
−100
−200


pull1D
Entries 37
Mean −4.532
Std Dev 3.344
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bcm_an_us_rms vs run
χ² / ndf 1.416e+05 / 36
p0 0.2774 ± 0.0003548
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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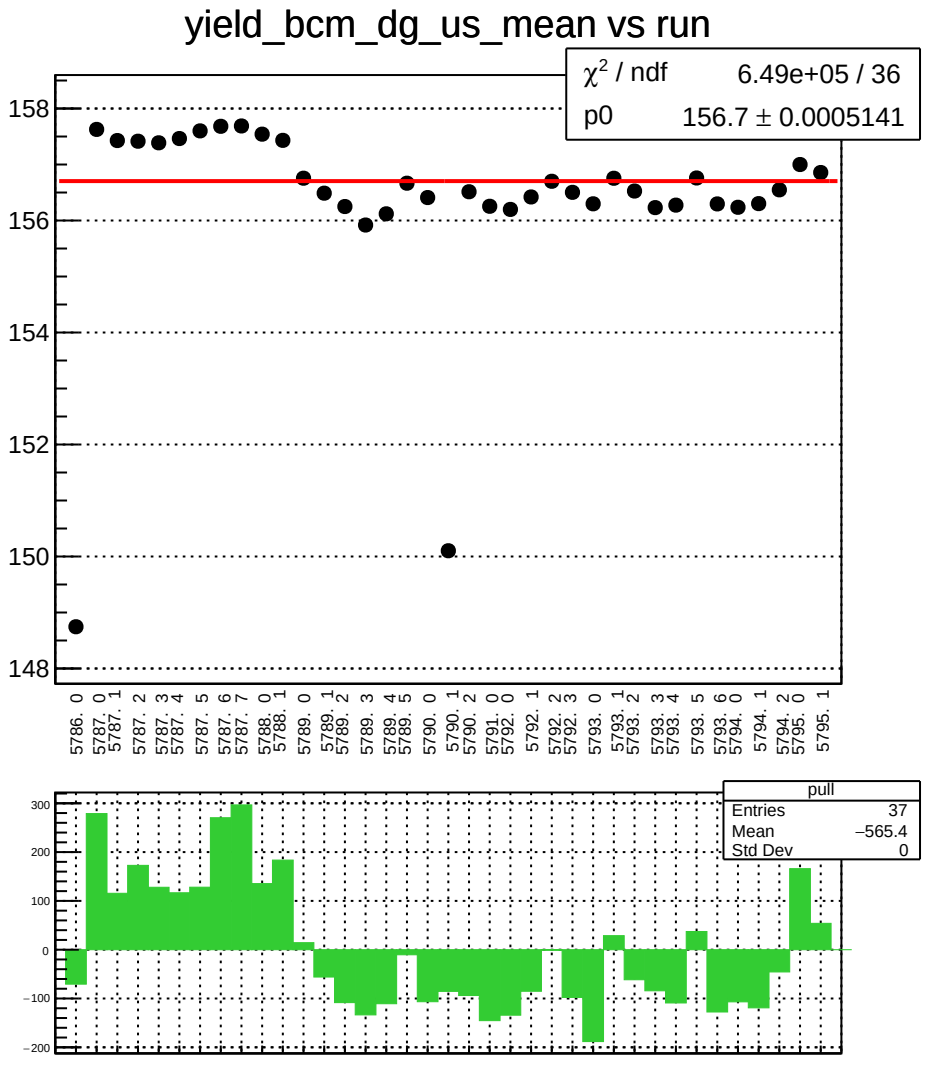
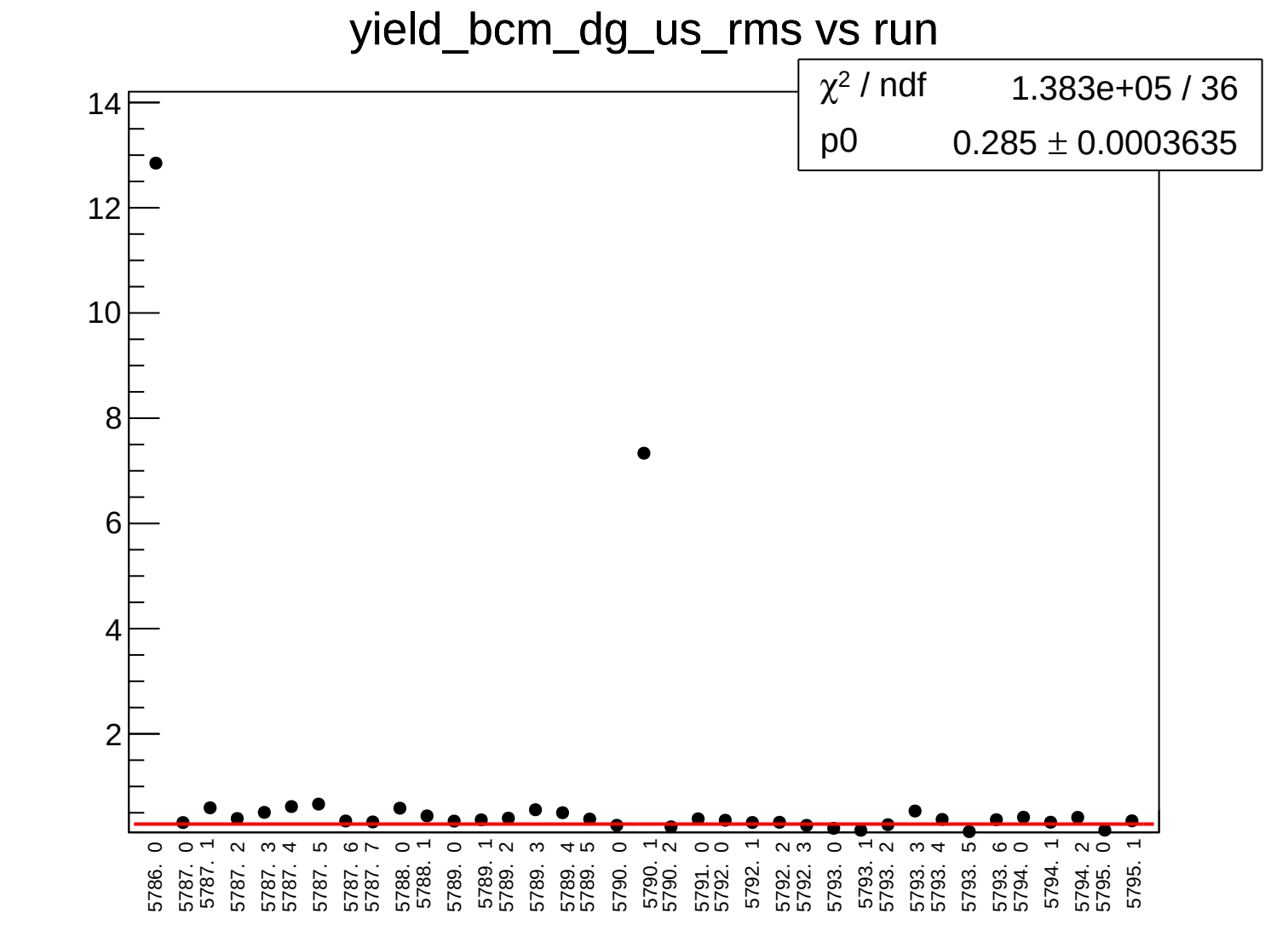
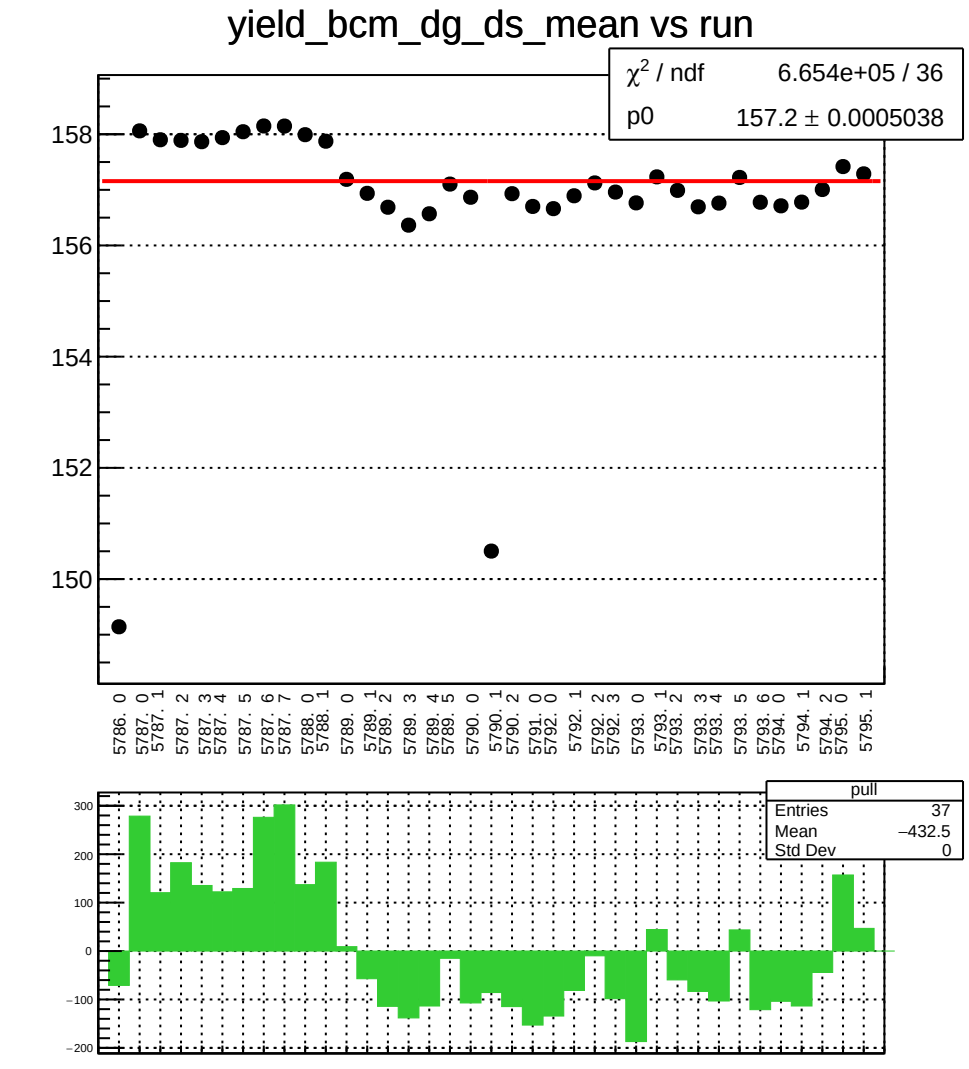
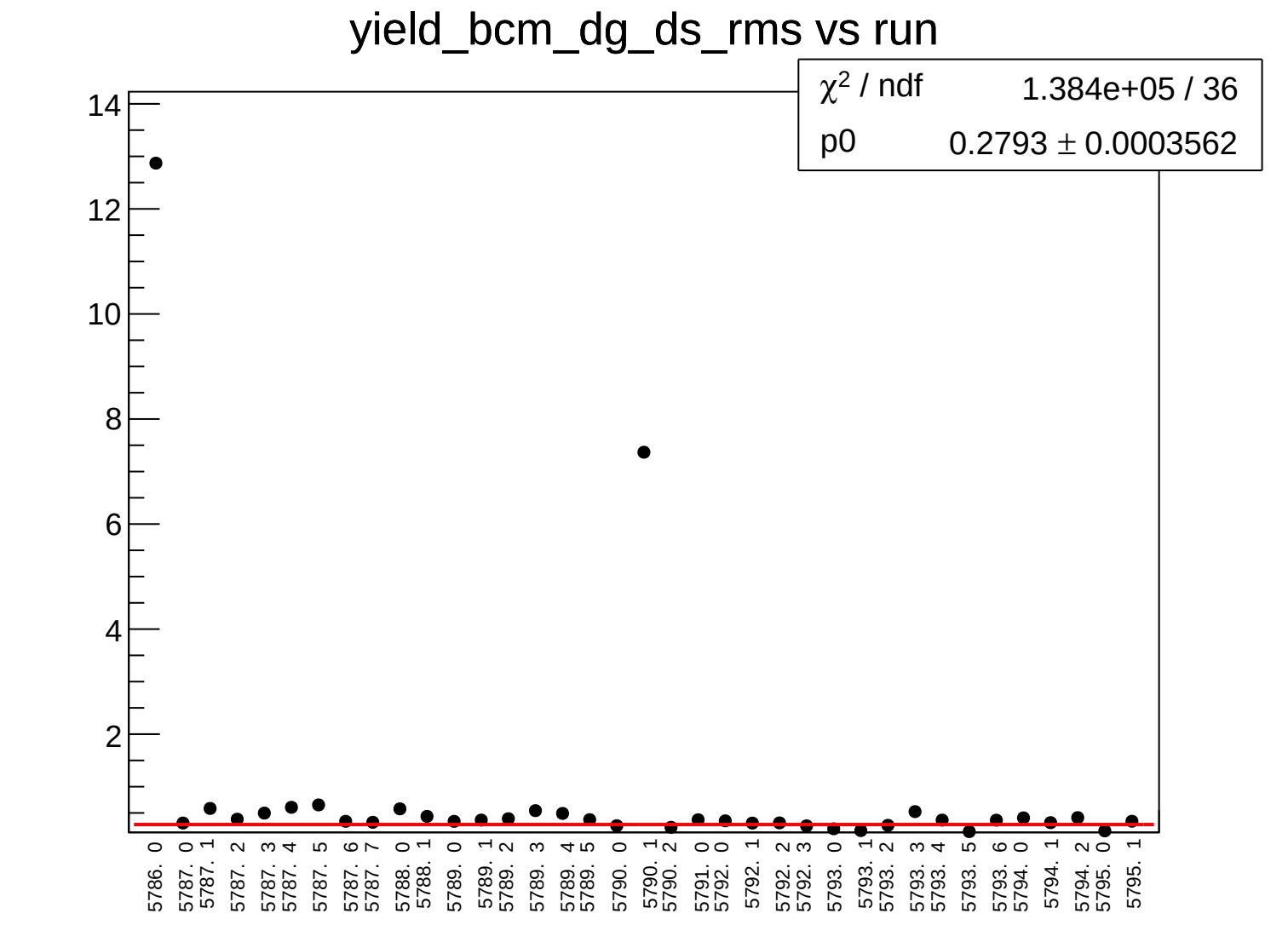
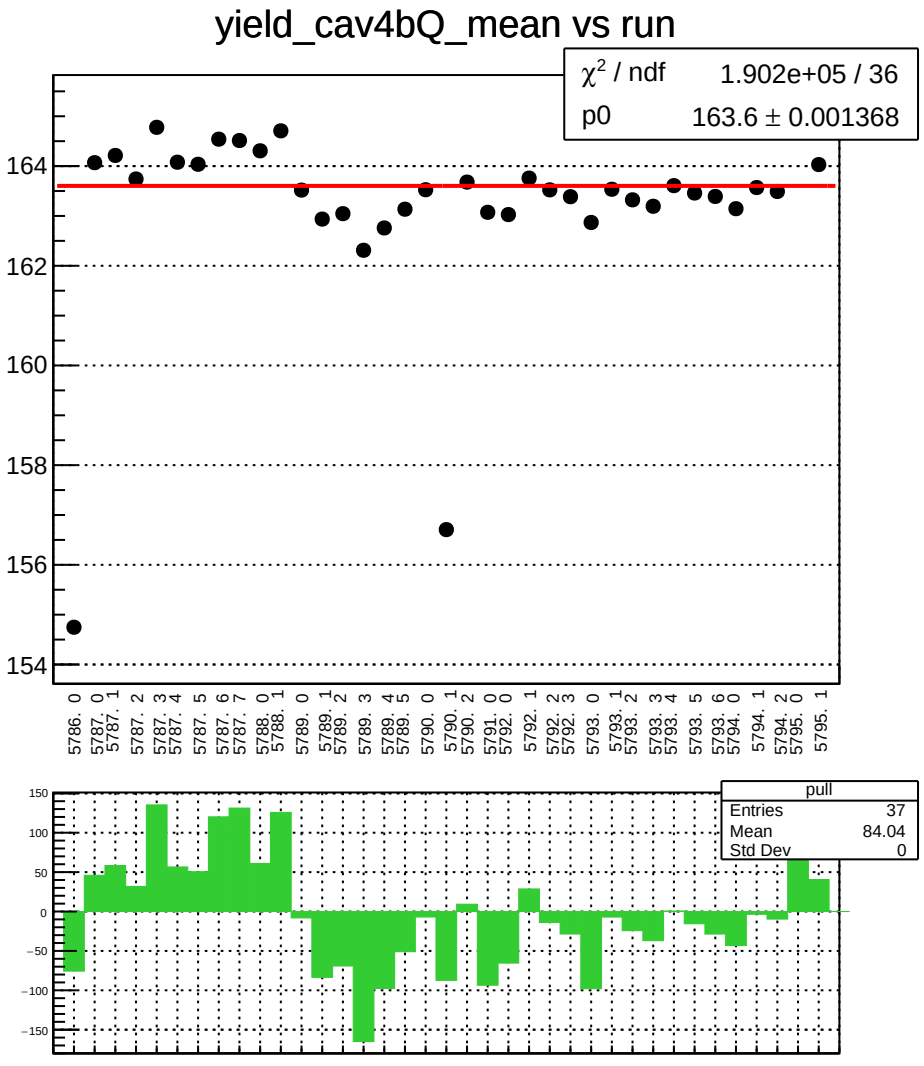
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

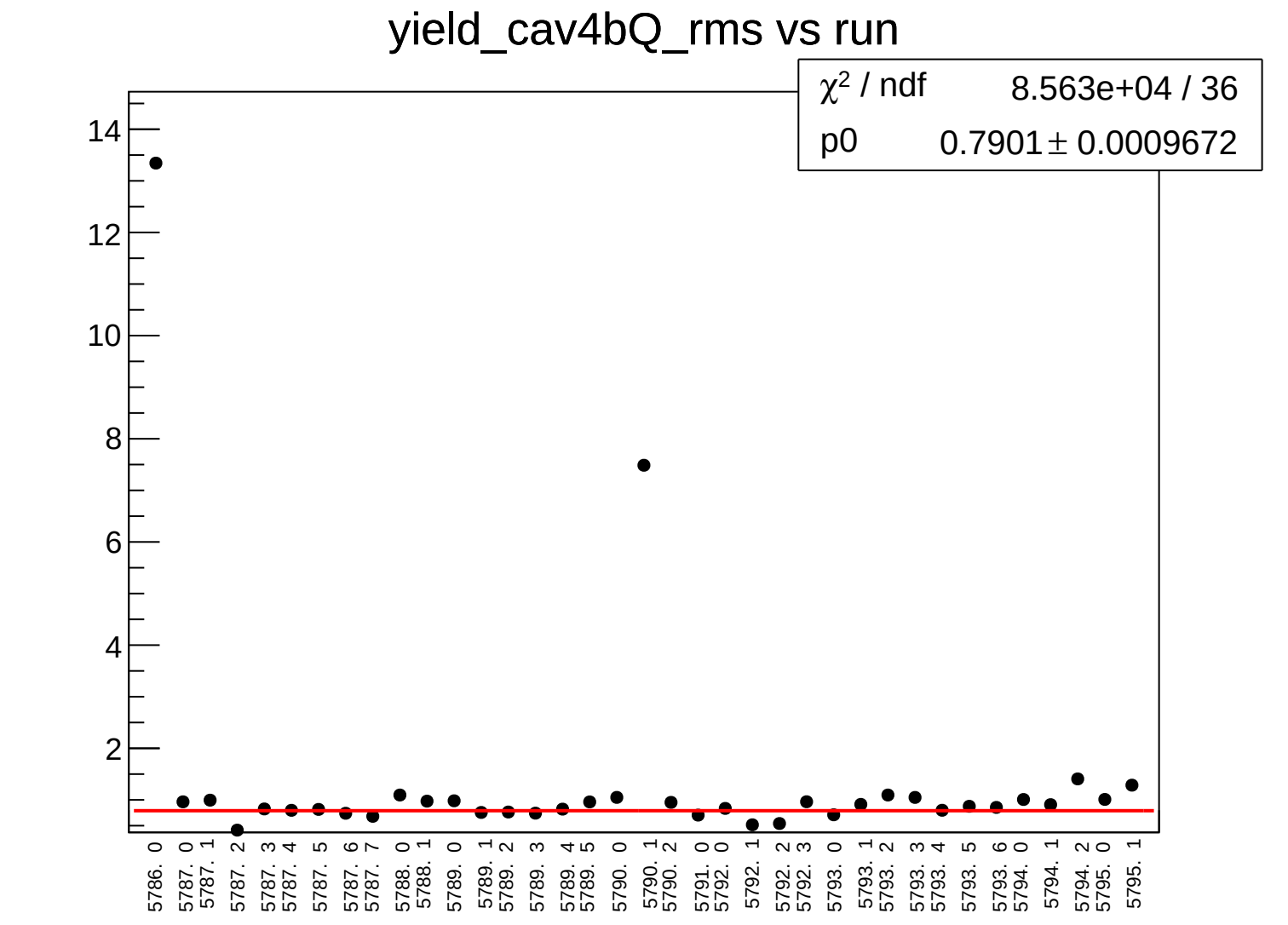

yield_bcm_dg_us_mean vs run
χ² / ndf 6.49e+05 / 36
p0 156.7 ± 0.0005141
158
156
154
152
150
148
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −565.4
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 37
Mean −0.9298
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

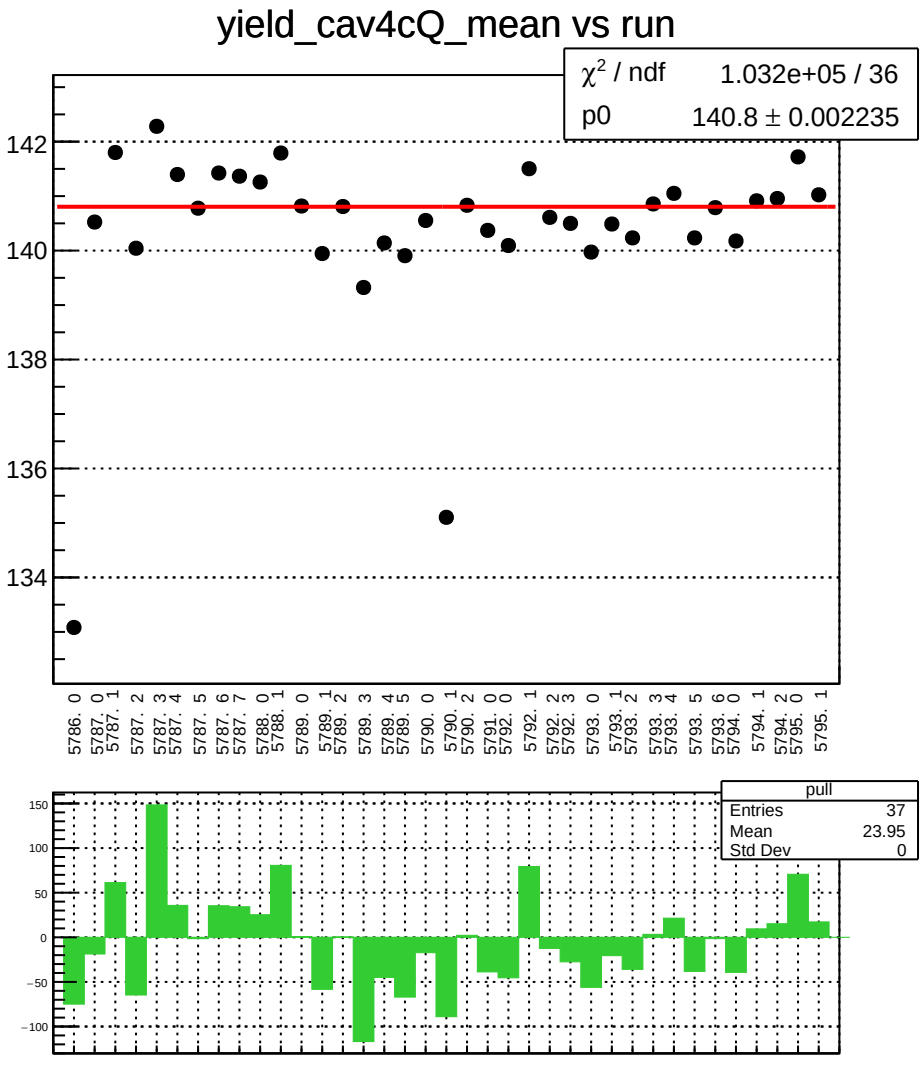

yield_bcm_dg_us_rms vs run
χ² / ndf 1.383e+05 / 36
p0 0.285 ± 0.0003635
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

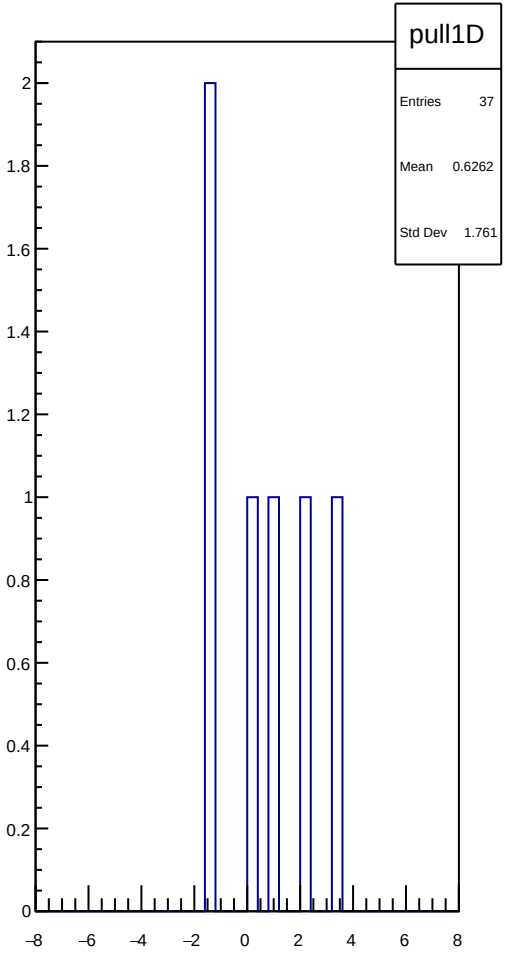

yield_bcm_dg_ds_mean vs run
χ² / ndf 6.654e+05 / 36
p0 157.2 ± 0.0005038
158
156
154
152
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −432.5
Std Dev 0
300
200
100
0
−100
−200
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

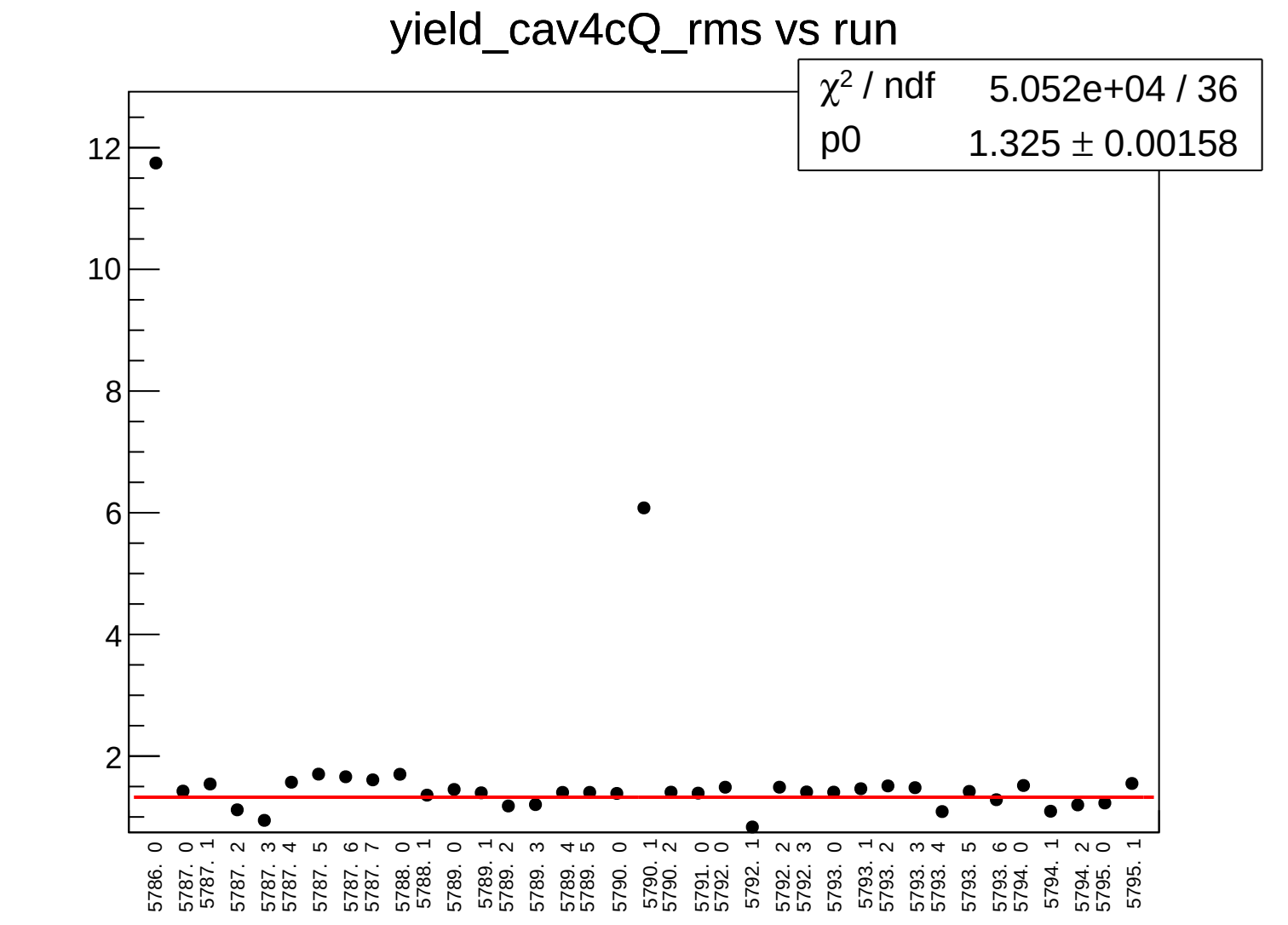

yield_bcm_dg_ds_rms vs run
χ² / ndf 1.384e+05 / 36
p0 0.2793 ± 0.0003562
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

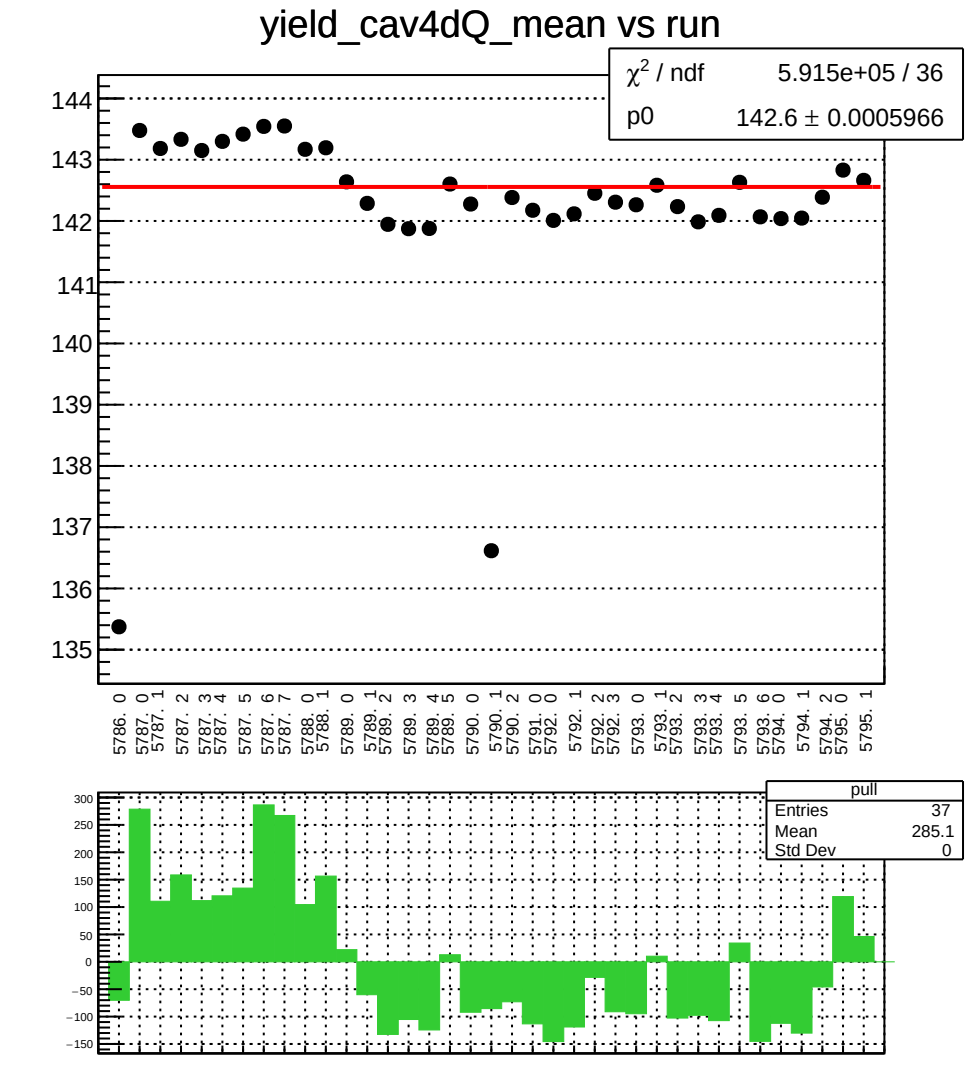

yield_cav4bQ_mean vs run
χ² / ndf 1.902e+05 / 36
p0 163.6 ± 0.001368
164
162
160
158
156
154
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 84.04
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 37
Mean −4.209
Std Dev 3.127
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

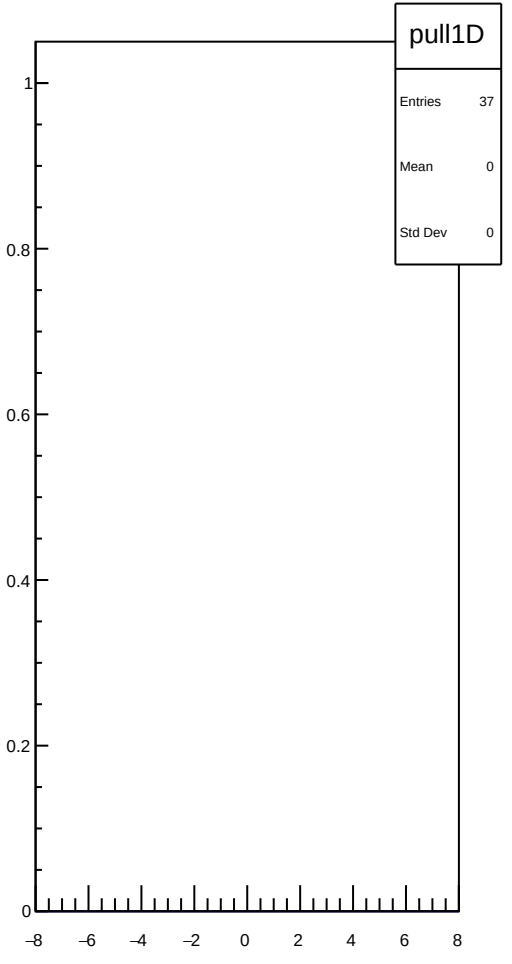

yield_cav4bQ_rms vs run
χ^2 / ndf 8.563e+04 / 36
p0 0.7901 ± 0.0009672
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

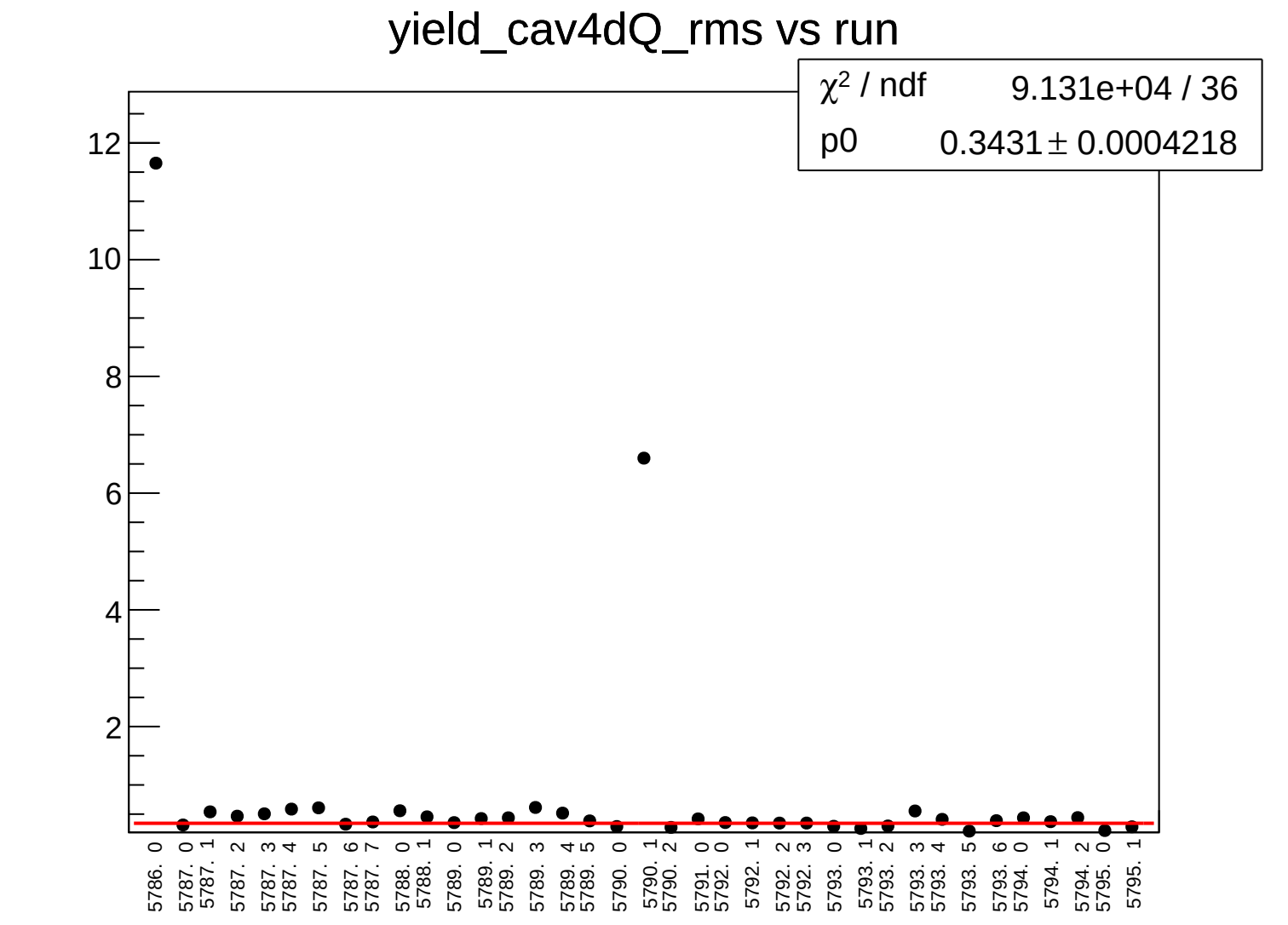

yield_cav4cQ_mean vs run
χ² / ndf 1.032e+05 / 36
p0 140.8 ± 0.002235
142
140
138
136
134
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.95
Std Dev 0
150
100
50
0
−50
−100

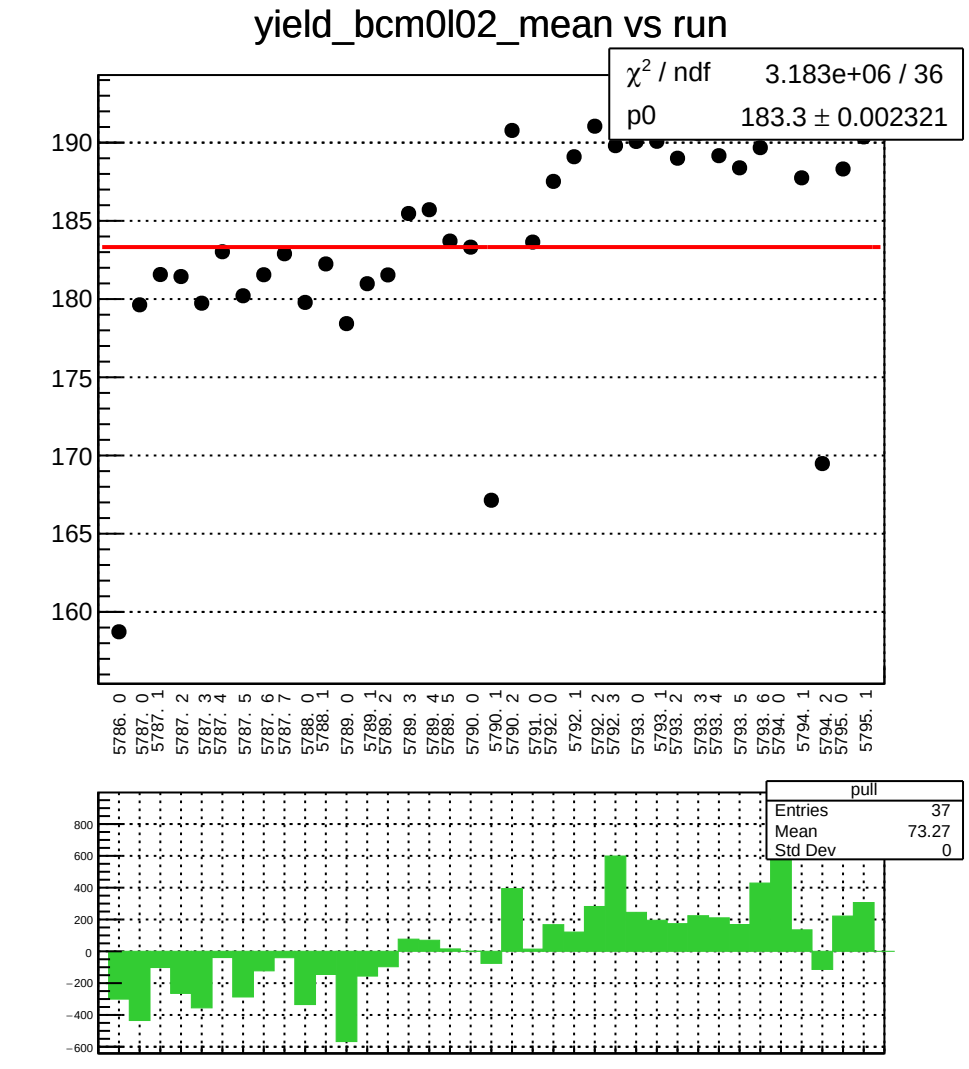

pull1D
Entries 37
Mean 0.6262
Std Dev 1.761
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

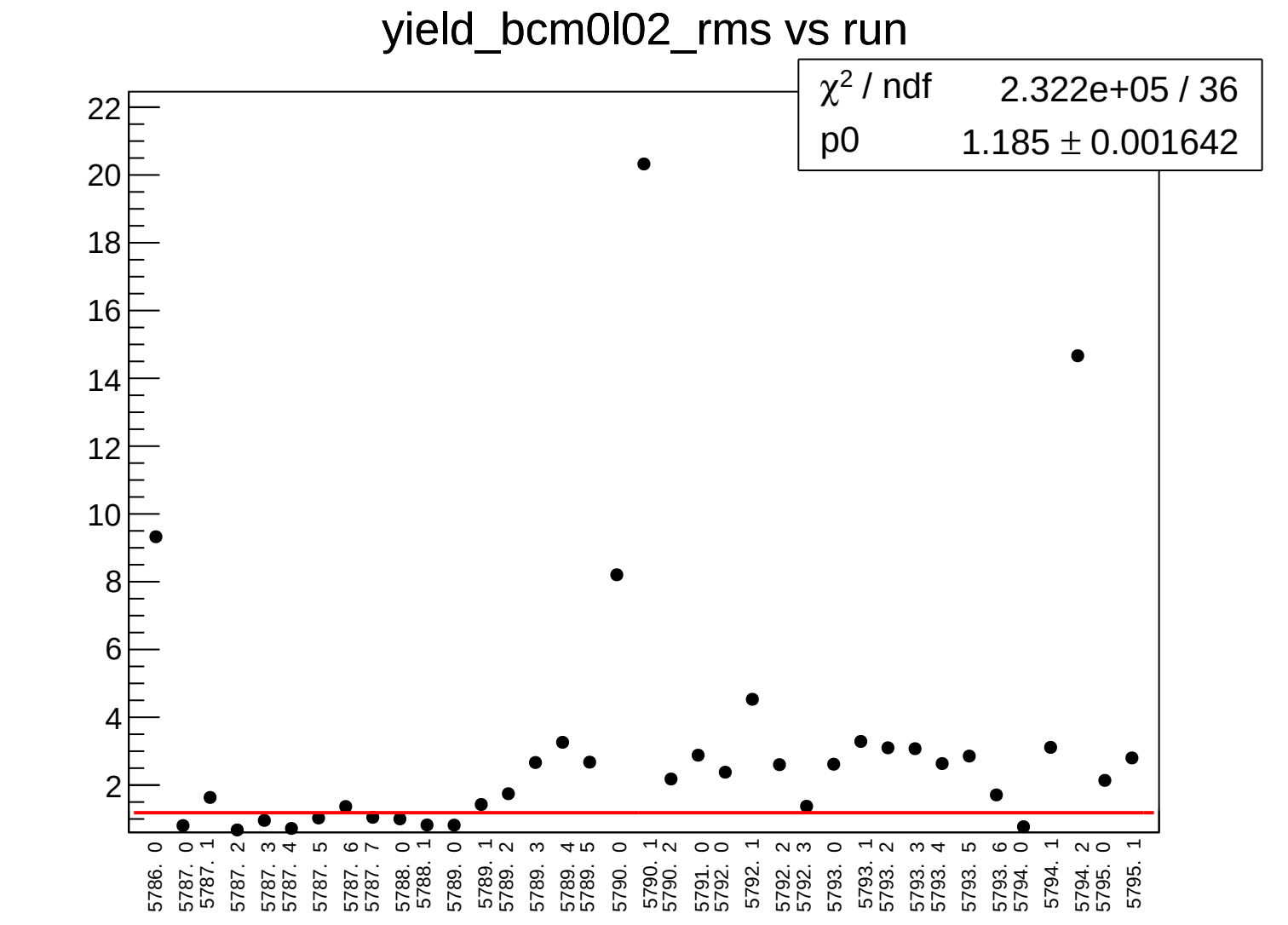

yield_cav4cQ_rms vs run
χ² / ndf 5.052e+04 / 36
p0 1.325 ± 0.00158
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

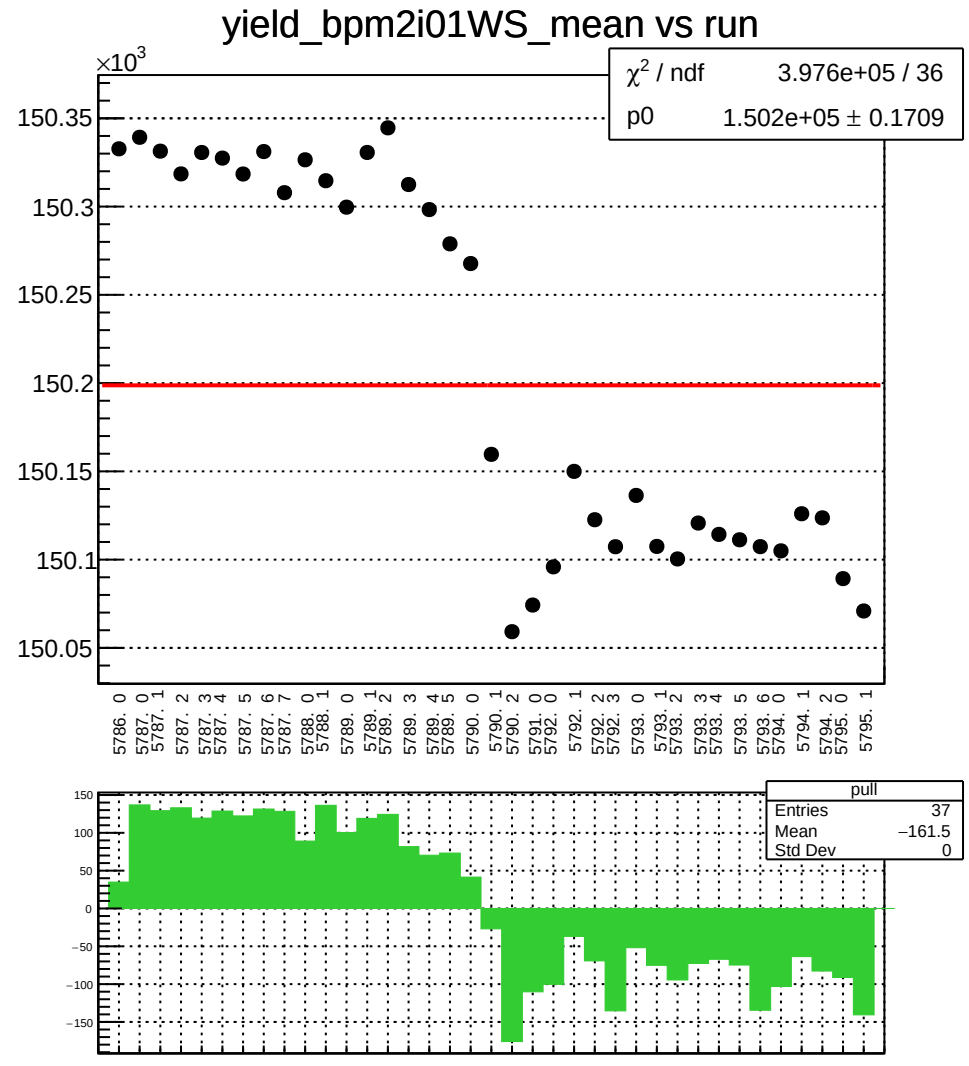

yield_cav4dQ_mean vs run
χ² / ndf 5.915e+05 / 36
p0 142.6 ± 0.0005966
144
143
142
141
140
139
138
137
136
135
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 285.1
Std Dev 0
300
250
200
150
100
50
0
−50
−100
−150

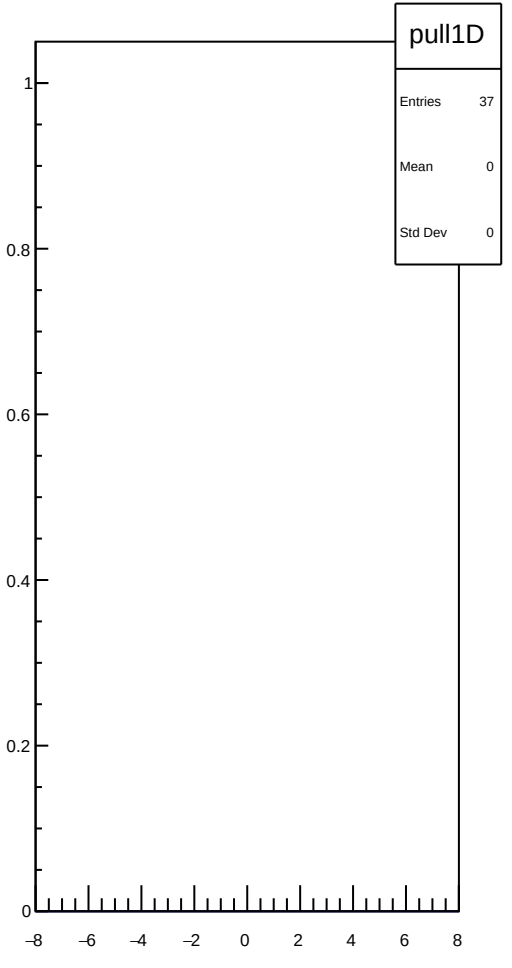

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

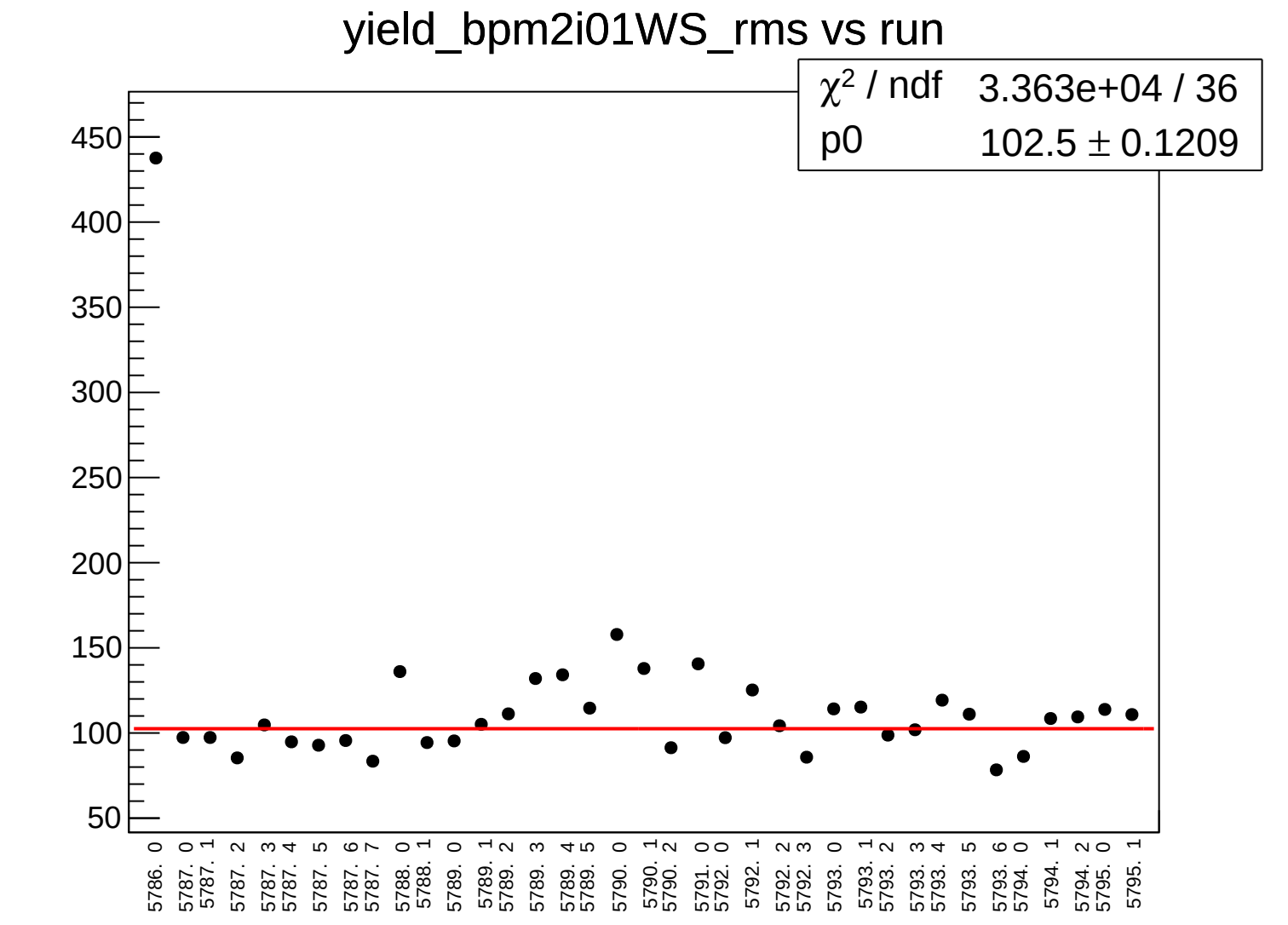

yield_cav4dQ_rms vs run
χ² / ndf 9.131e+04 / 36
p0 0.3431 ± 0.0004218
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

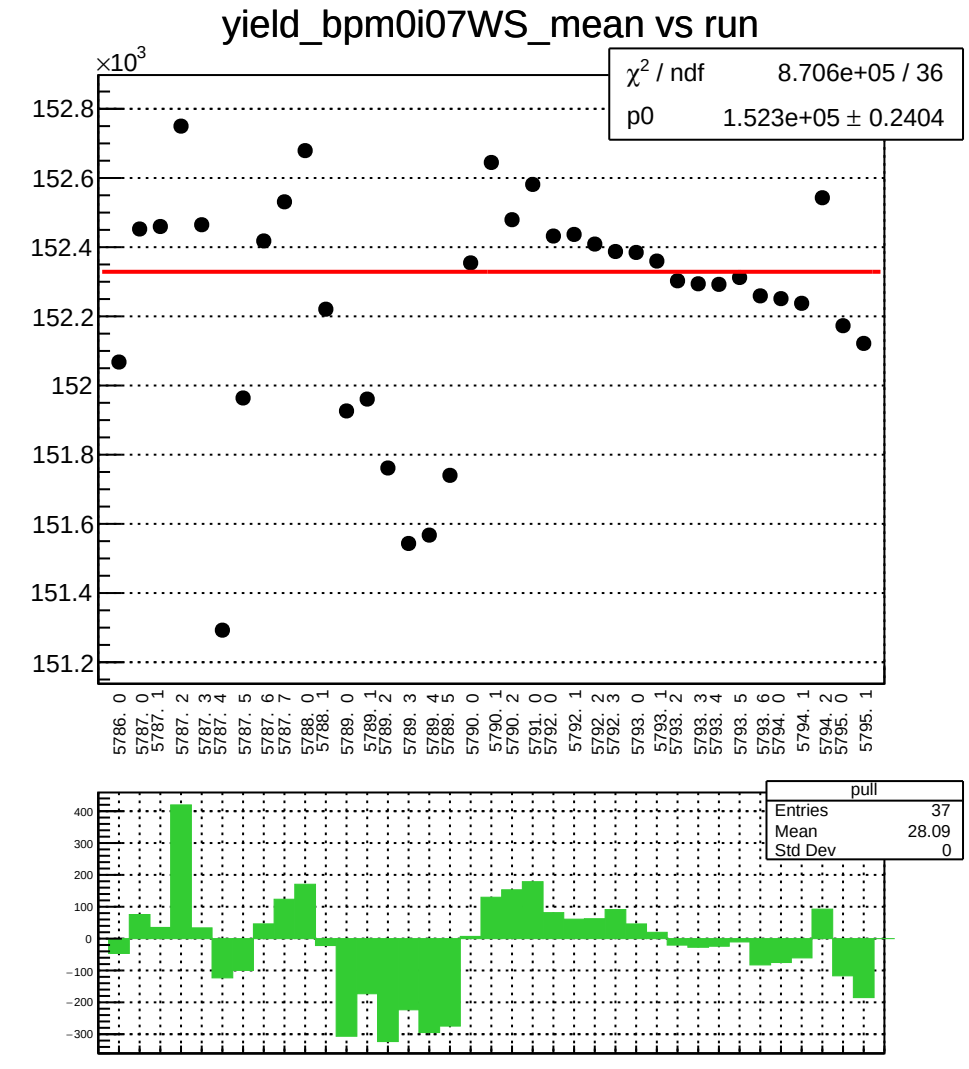

yield_bcm0l02_mean vs run
χ² / ndf 3.183e+06 / 36
p0 183.3 ± 0.002321
190
185
180
175
170
165
160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 73.27
Std Dev 0
800
600
400
200
0
−200
−400
−600
pull1D
Entries 37
Mean −0.05744
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

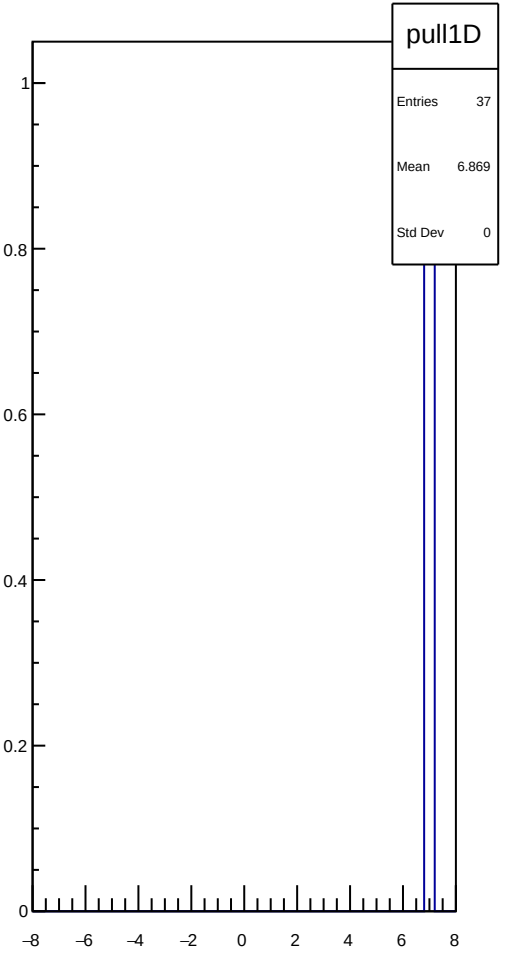

yield_bcm0l02_rms vs run
χ^2 / ndf 2.322e+05 / 36
p0 1.185 ± 0.001642
22
20
18
16
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

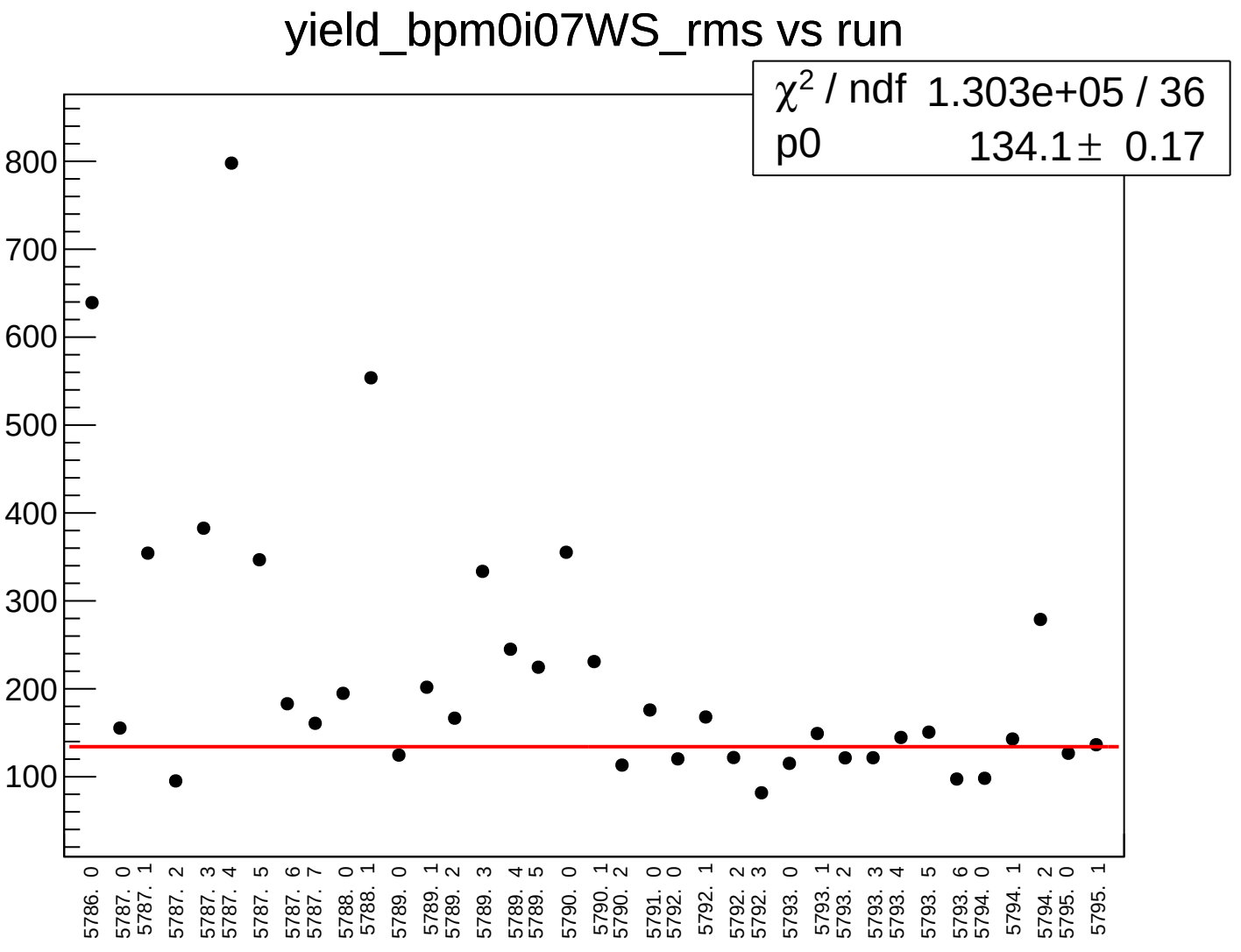

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3.976e+05 / 36
p0 1.502e+05 ± 0.1709
150.35
150.3
150.25
150.2
150.15
150.1
150.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −161.5
Std Dev 0
150
100
50
0
−50
−100
−150

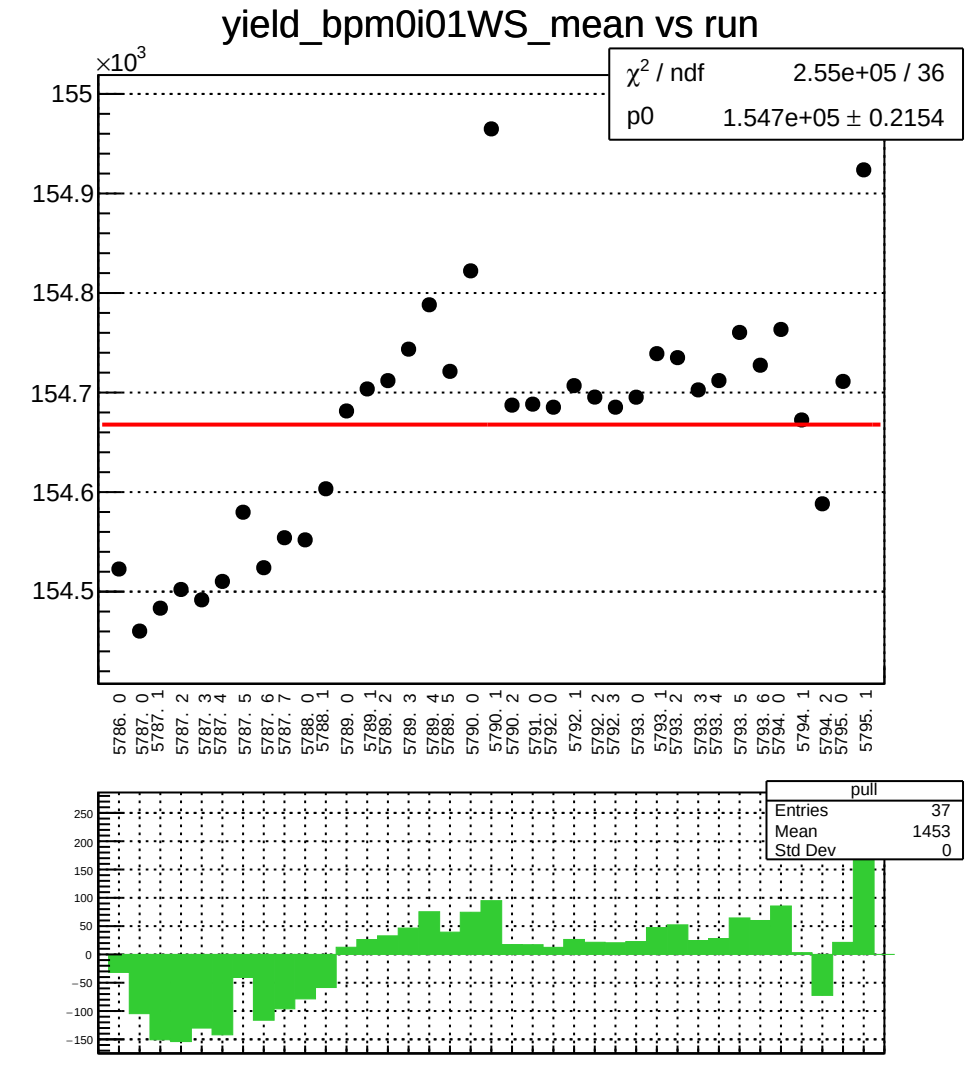

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

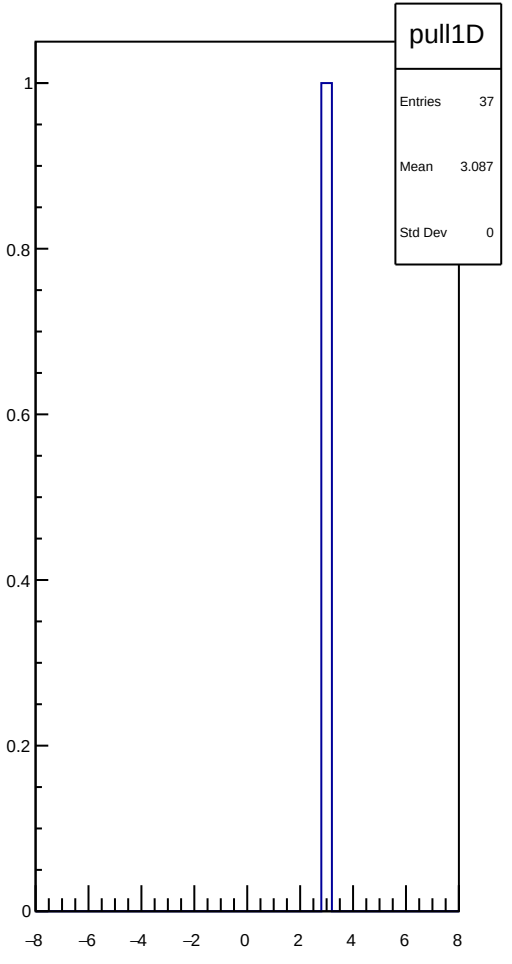

yield_bpm2i01WS_rms vs run
χ² / ndf 3.363e+04 / 36
p0 102.5 ± 0.1209
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

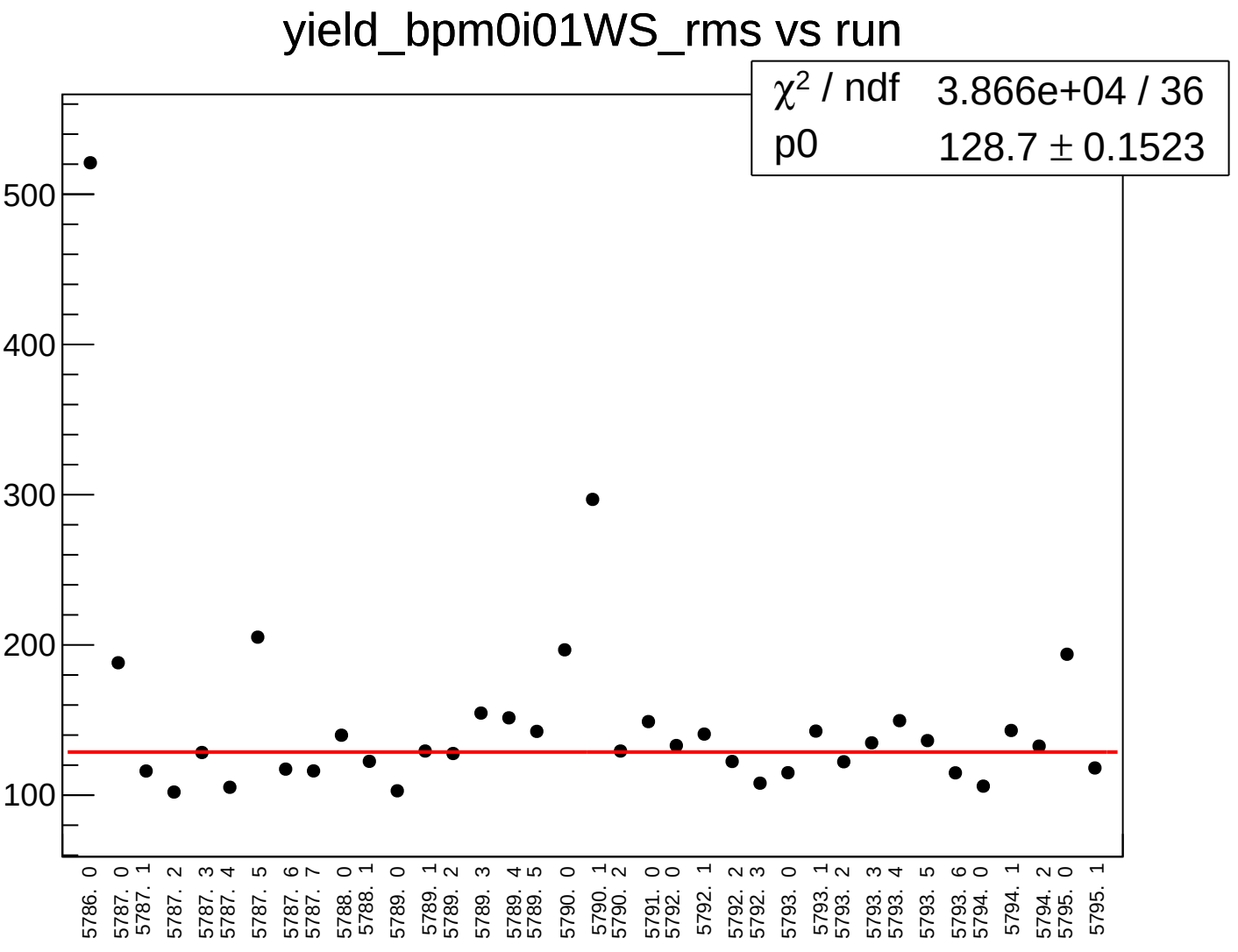

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8.706e+05 / 36
p0 1.523e+05 ± 0.2404
152.8
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.09
Std Dev 0
400
300
200
100
0
−100
−200
−300

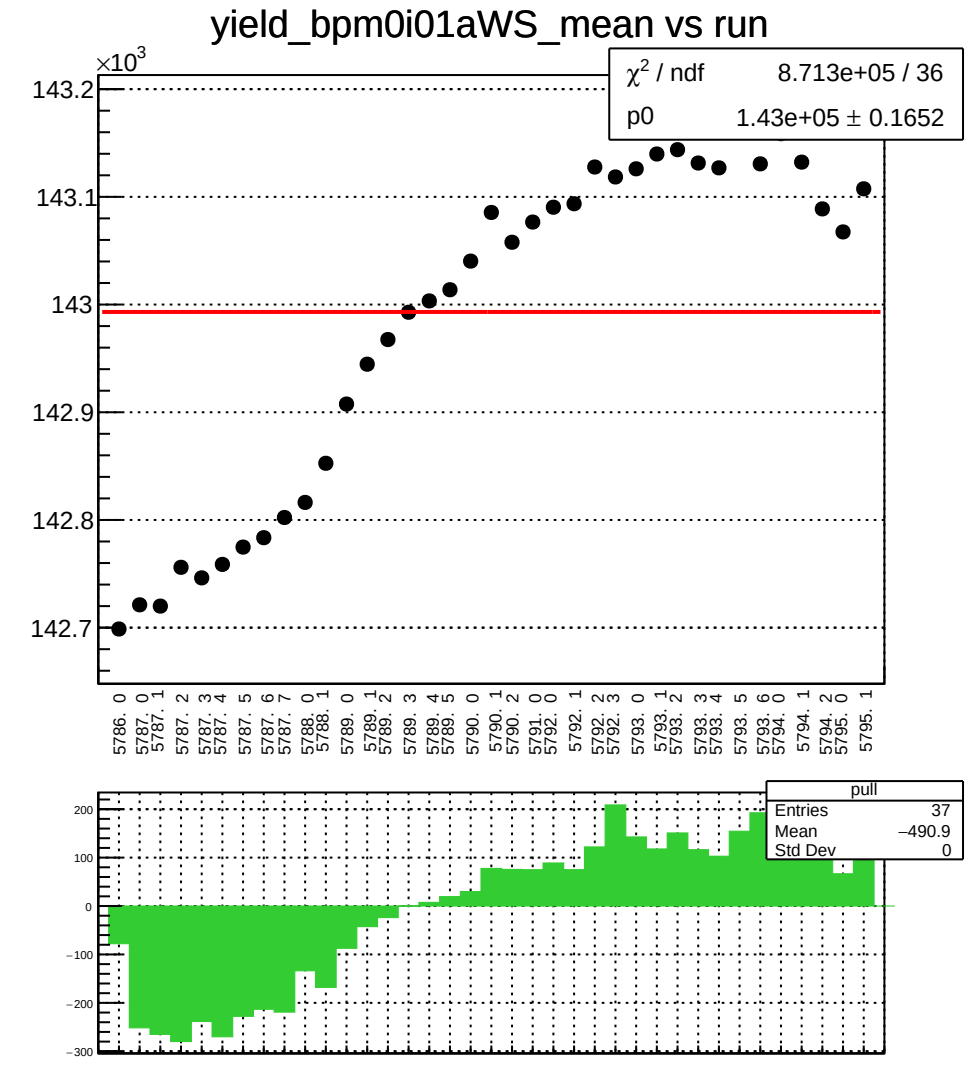

pull1D
Entries 37
Mean 6.869
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

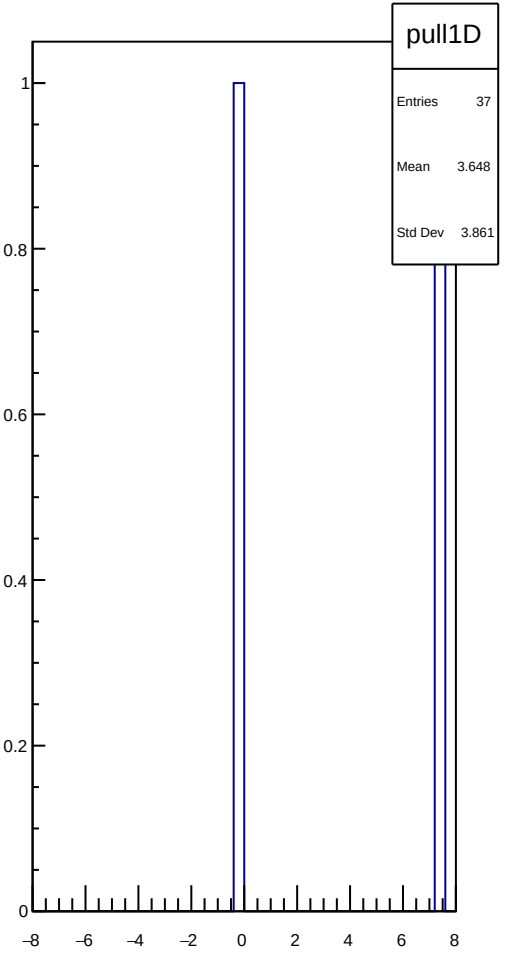

yield_bpm0i07WS_rms vs run
χ² / ndf 1.303e+05 / 36
p0 134.1 ± 0.17
800
700
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

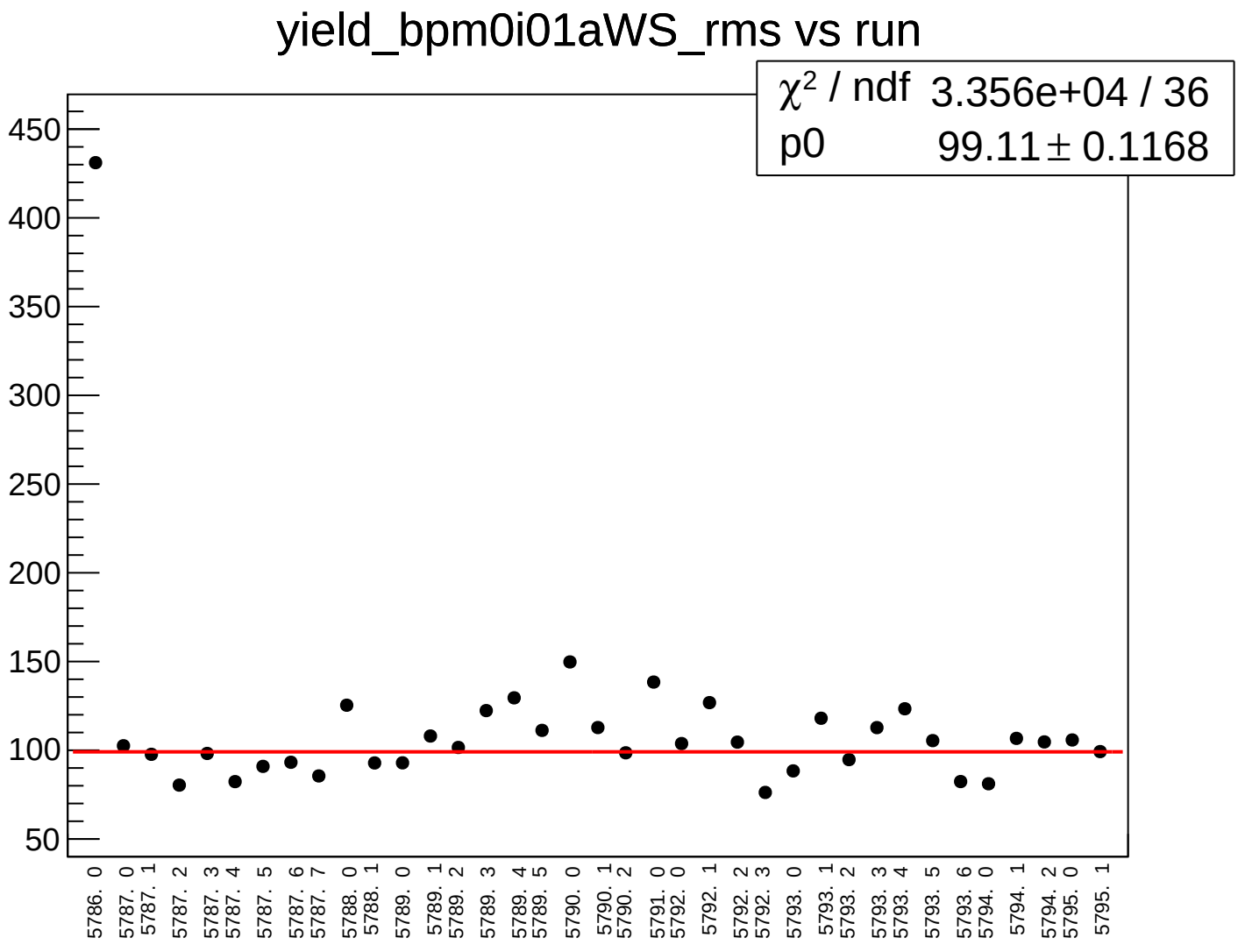

yield_bpm0i01WS_mean vs run
×10^3
χ² / ndf 2.55e+05 / 36
p0 1.547e+05 ± 0.2154
155
154.9
154.8
154.7
154.6
154.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1453
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

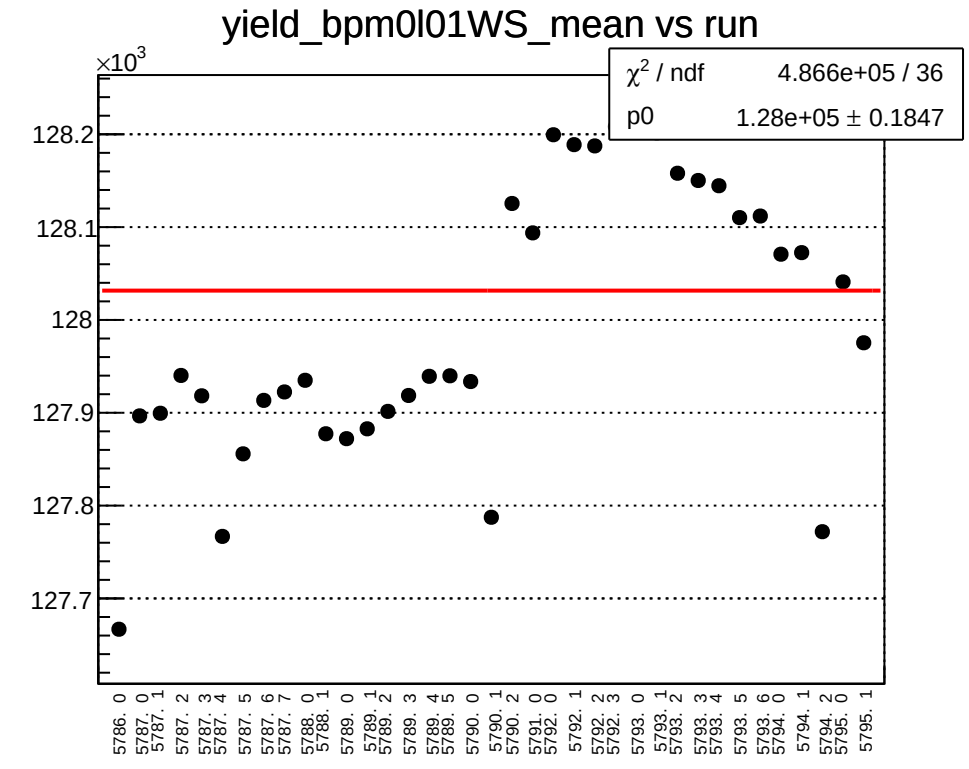

pull1D
Entries 37
Mean 3.087
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

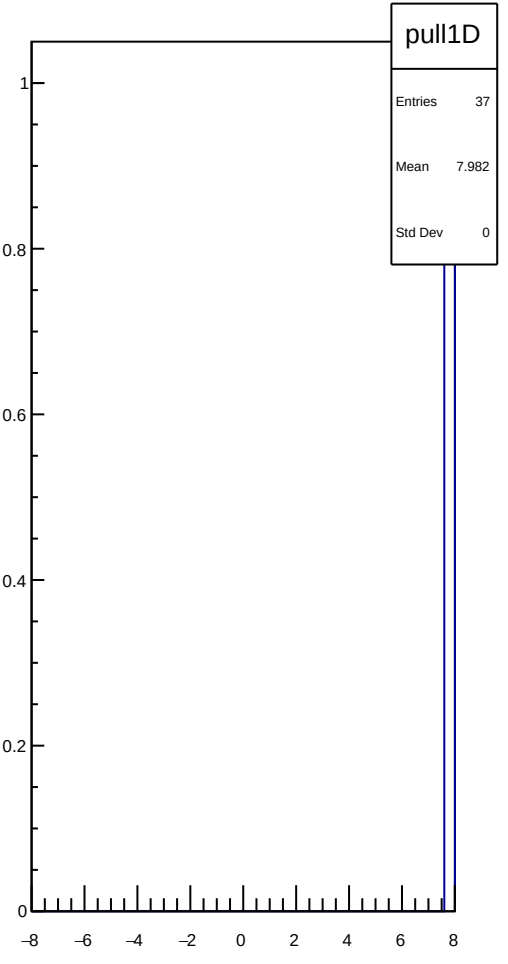

yield_bpm0i01WS_rms vs run
χ² / ndf 3.866e+04 / 36
p0 128.7 ± 0.1523
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

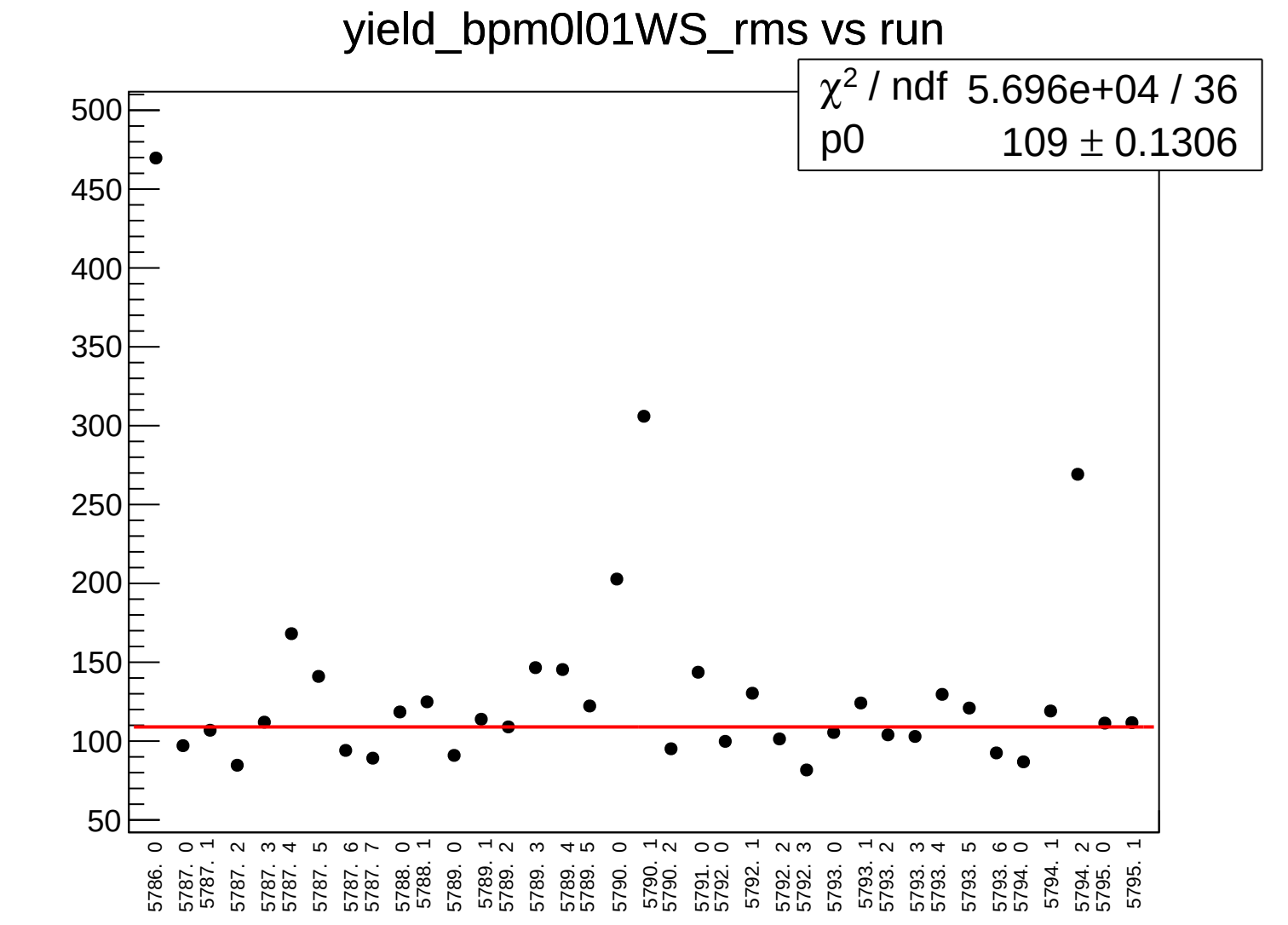

yield_bpm0i01aWS_mean vs run
×10^3
χ^2 / ndf 8.713e+05 / 36
p0 1.43e+05 ± 0.1652
143.2
143.1
143
142.9
142.8
142.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −490.9
Std Dev 0
200
100
0
−100
−200
−300

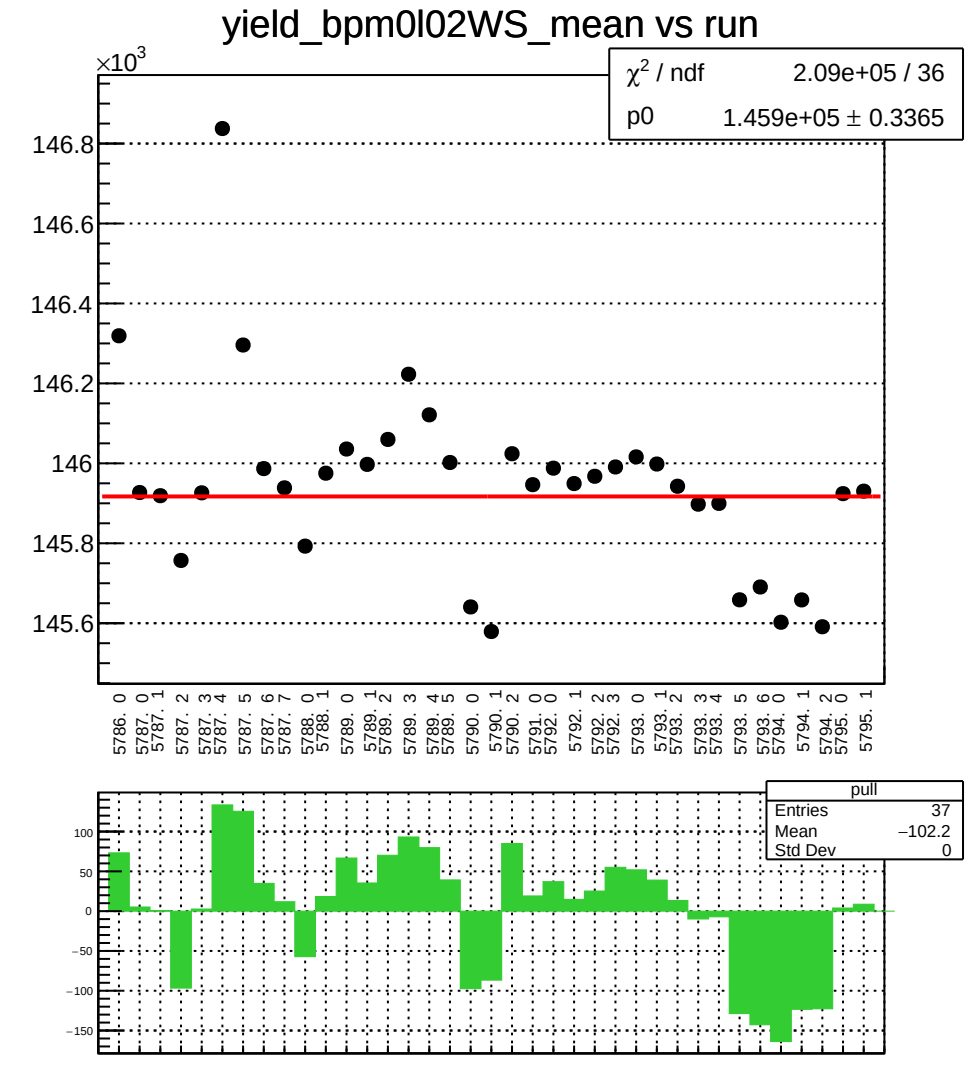

pull1D
Entries 37
Mean 3.648
Std Dev 3.861
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

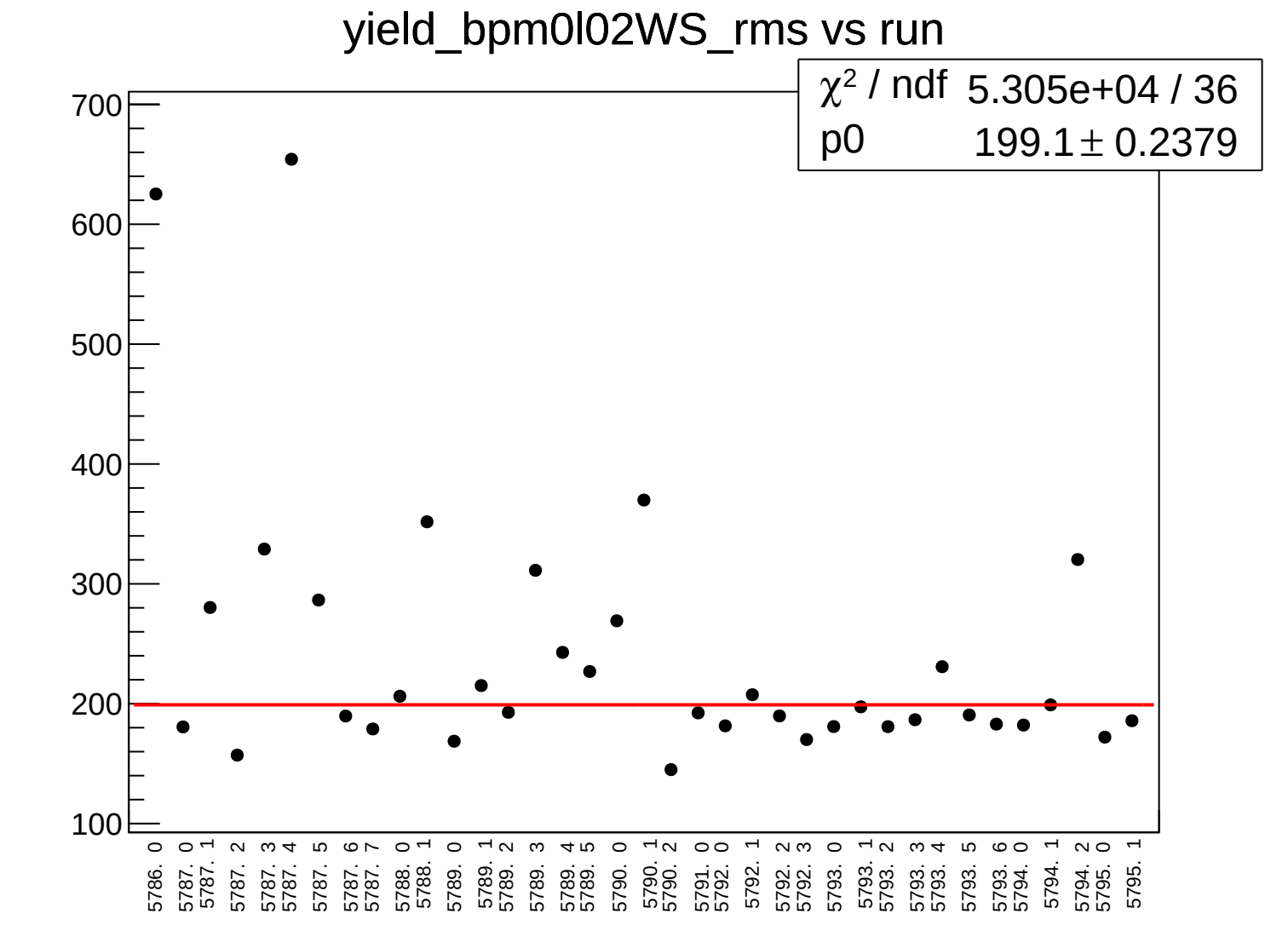

yield_bpm0i01aWS_rms vs run
χ² / ndf 3.356e+04 / 36
p0 99.11 ± 0.1168
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

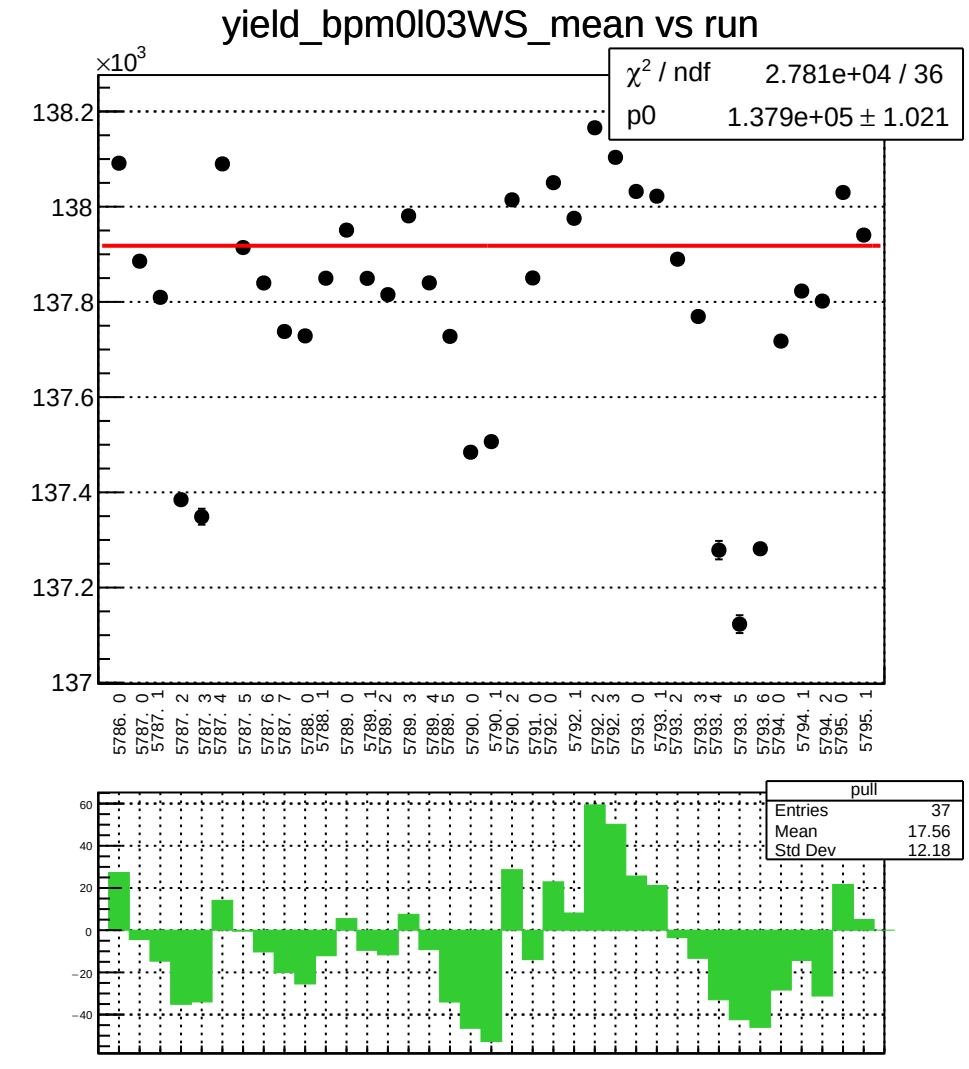

yield_bpm0l01WS_mean vs run
×10^3
χ² / ndf 4.866e+05 / 36
p0 1.28e+05 ± 0.1847
128.2
128.1
128
127.9
127.8
127.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.12
Std Dev 0
250
200
150
100
50
0
−50
−100
−150

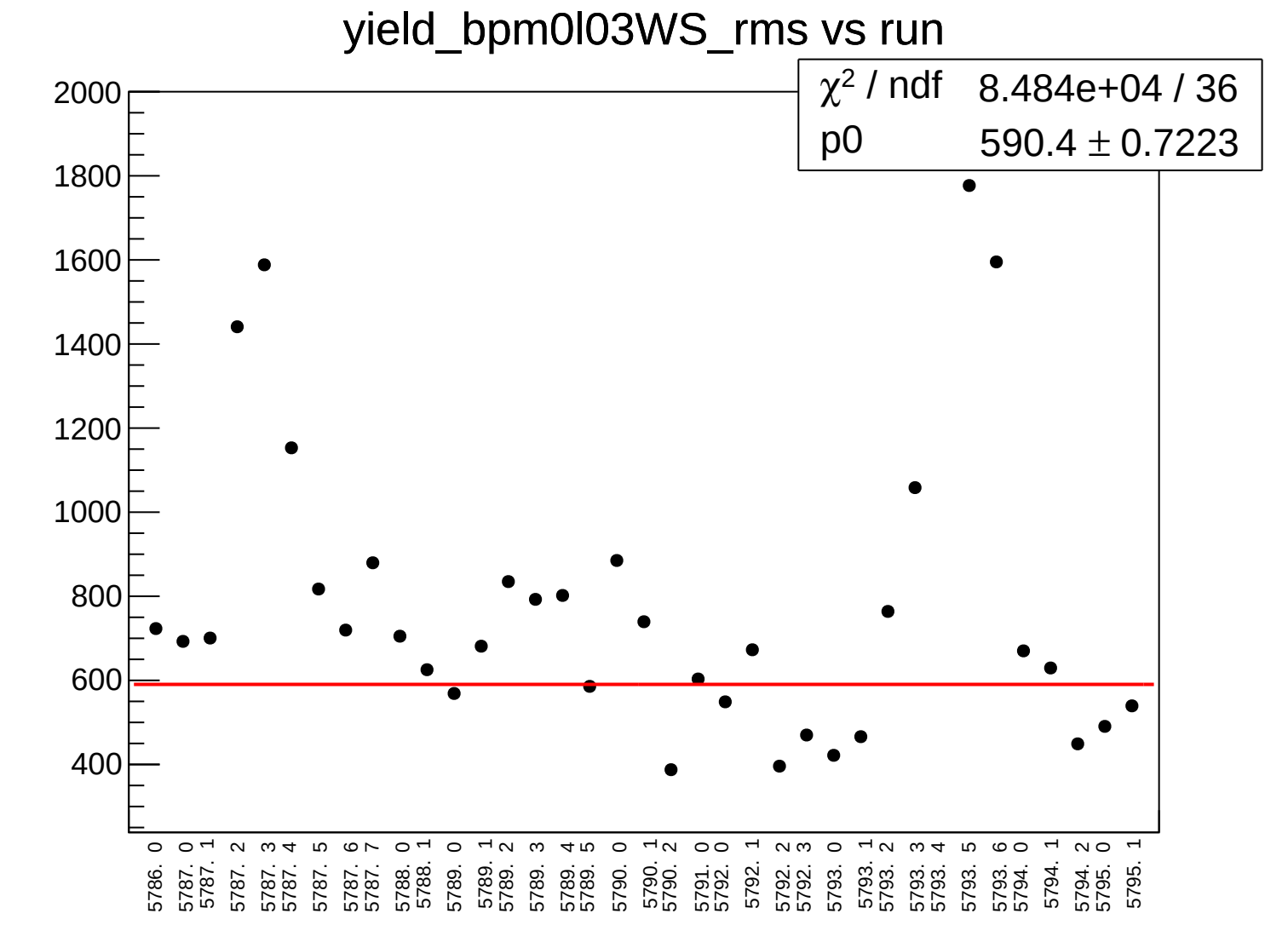

pull1D
Entries 37
Mean 7.982
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

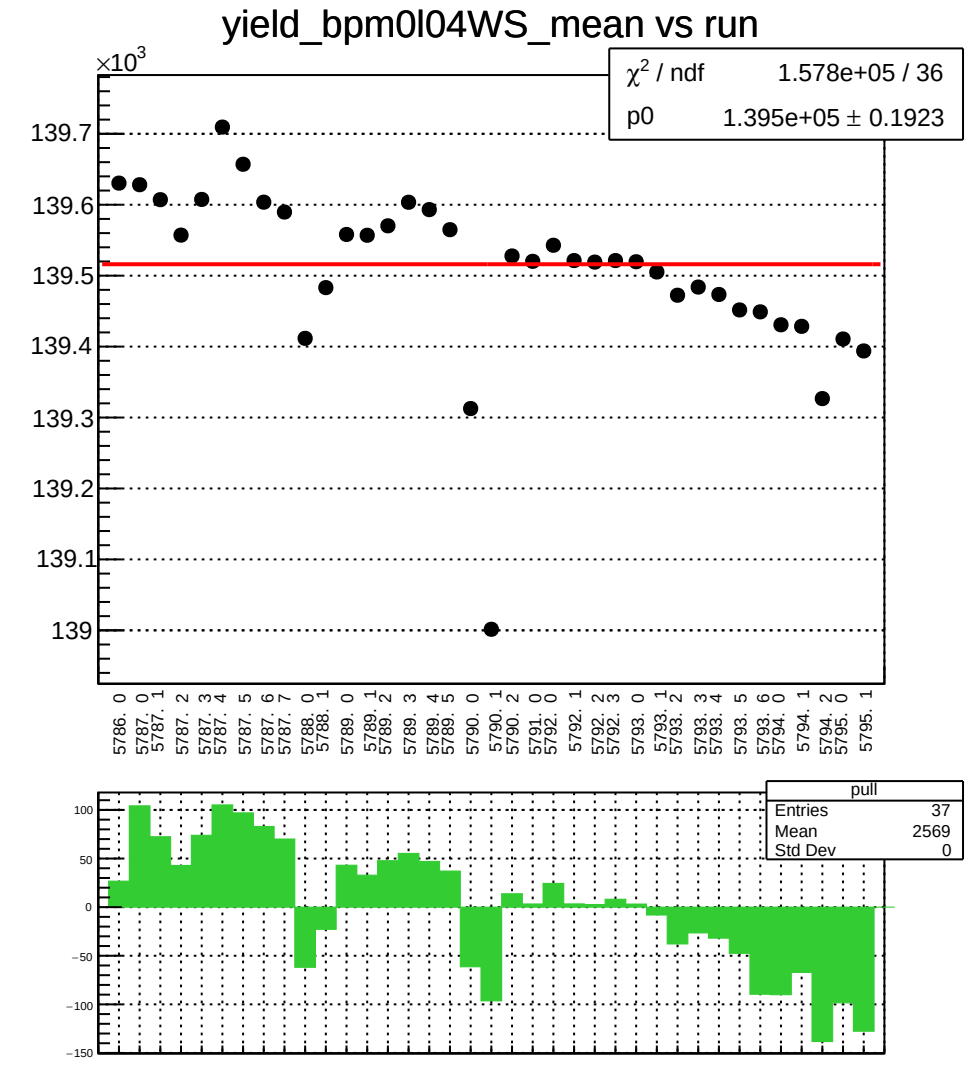

yield_bpm0l01WS_rms vs run
χ² / ndf 5.696e+04 / 36
p0 109 ± 0.1306
500
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

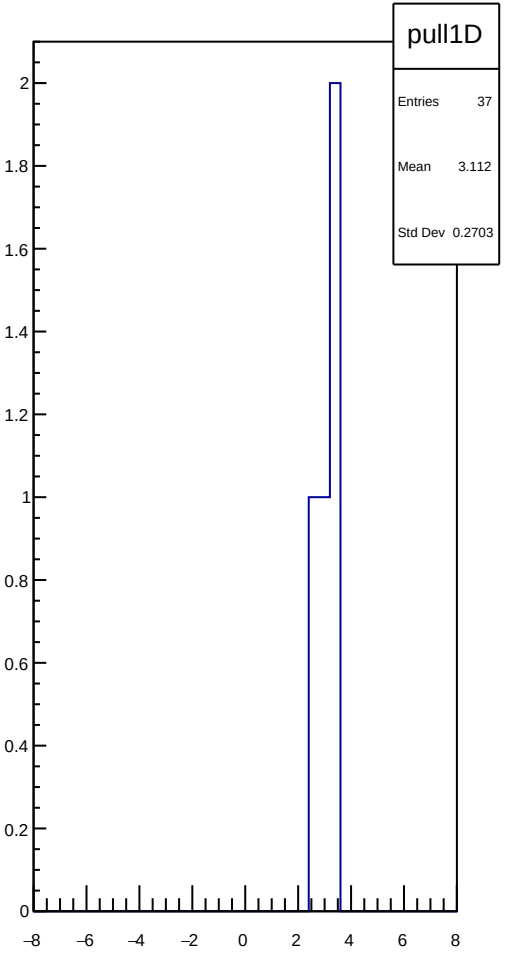

yield_bpm0l02WS_mean vs run
×10^3
χ² / ndf 2.09e+05 / 36
p0 1.459e+05 ± 0.3365
146.8
146.6
146.4
146.2
146
145.8
145.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −102.2
Std Dev 0
100
50
0
−50
−100
−150
pull1D
Entries 37
Mean 1.047
Std Dev 4.346
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

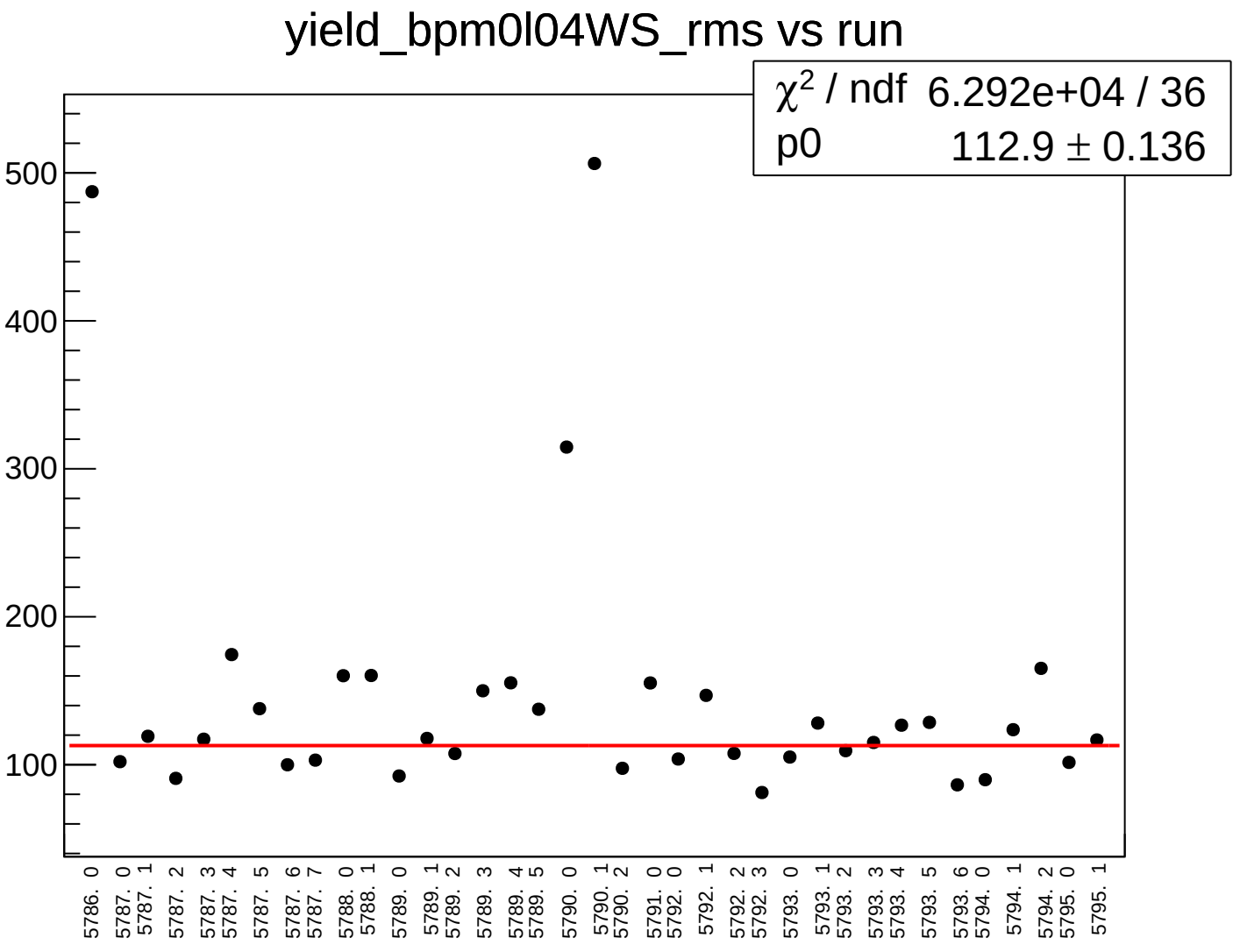

yield_bpm0l02WS_rms vs run
χ² / ndf 5.305e+04 / 36
p0 199.1 ± 0.2379
700
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

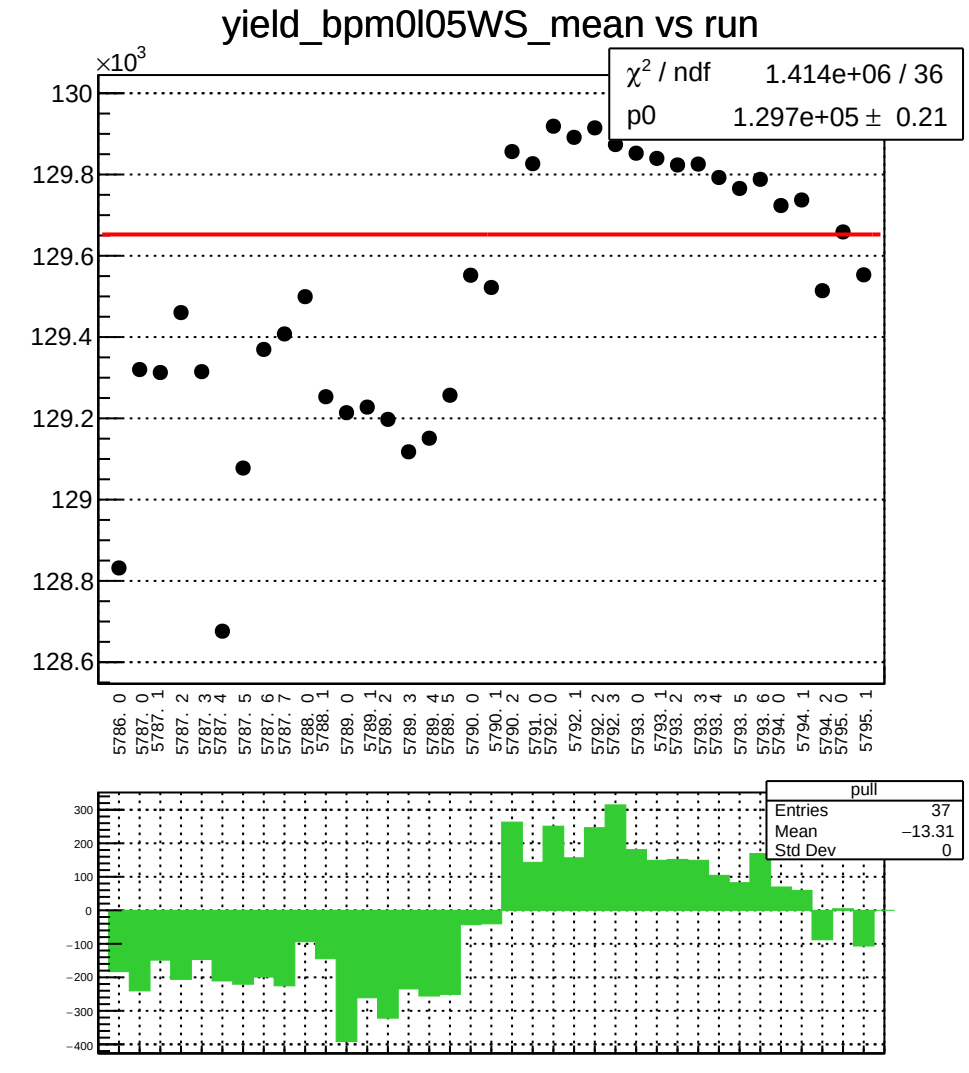

yield_bpm0l03WS_mean vs run
×10^3
χ² / ndf 2.781e+04 / 36
p0 1.379e+05 ± 1.021
138.2
138
137.8
137.6
137.4
137.2
137
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.56
Std Dev 12.18
60
40
20
0
−20
−40
pull1D
Entries 37
Mean 1.612
Std Dev 4.635
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

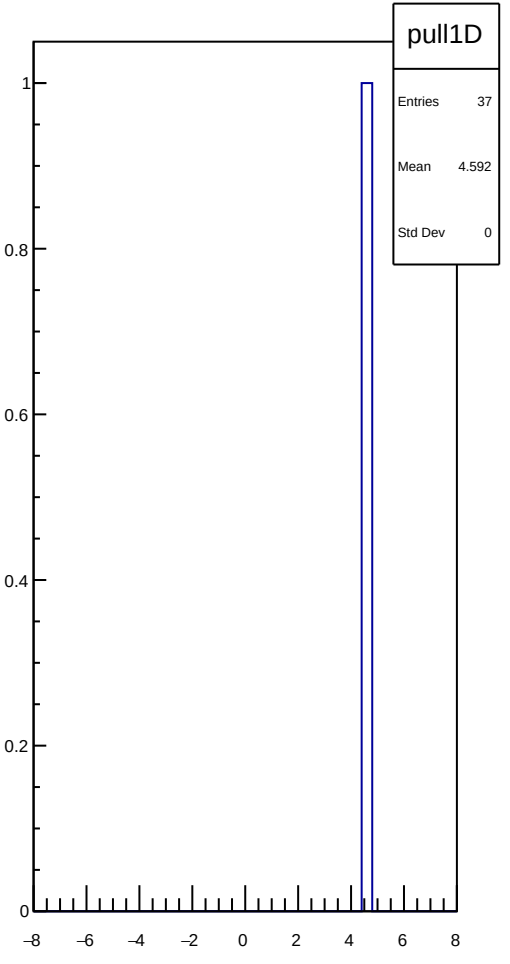

yield_bpm0l03WS_rms vs run
χ² / ndf 8.484e+04 / 36
p0 590.4 ± 0.7223
2000
1800
1600
1400
1200
1000
800
600
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

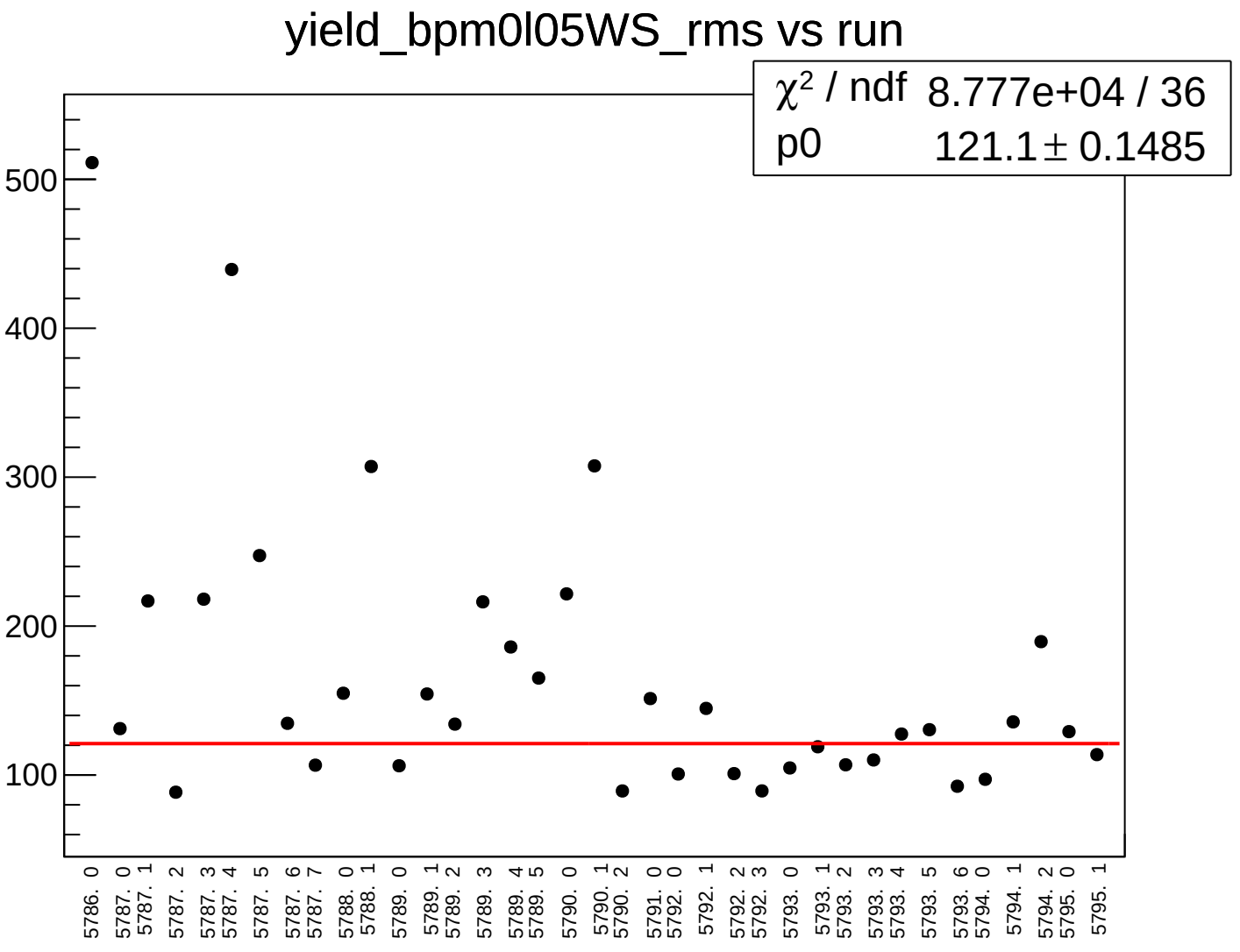

yield_bpm0l04WS_mean vs run
×10^3
χ² / ndf 1.578e+05 / 36
p0 1.395e+05 ± 0.1923
139.7
139.6
139.5
139.4
139.3
139.2
139.1
139
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2569
Std Dev 0
100
50
0
−50
−100
−150

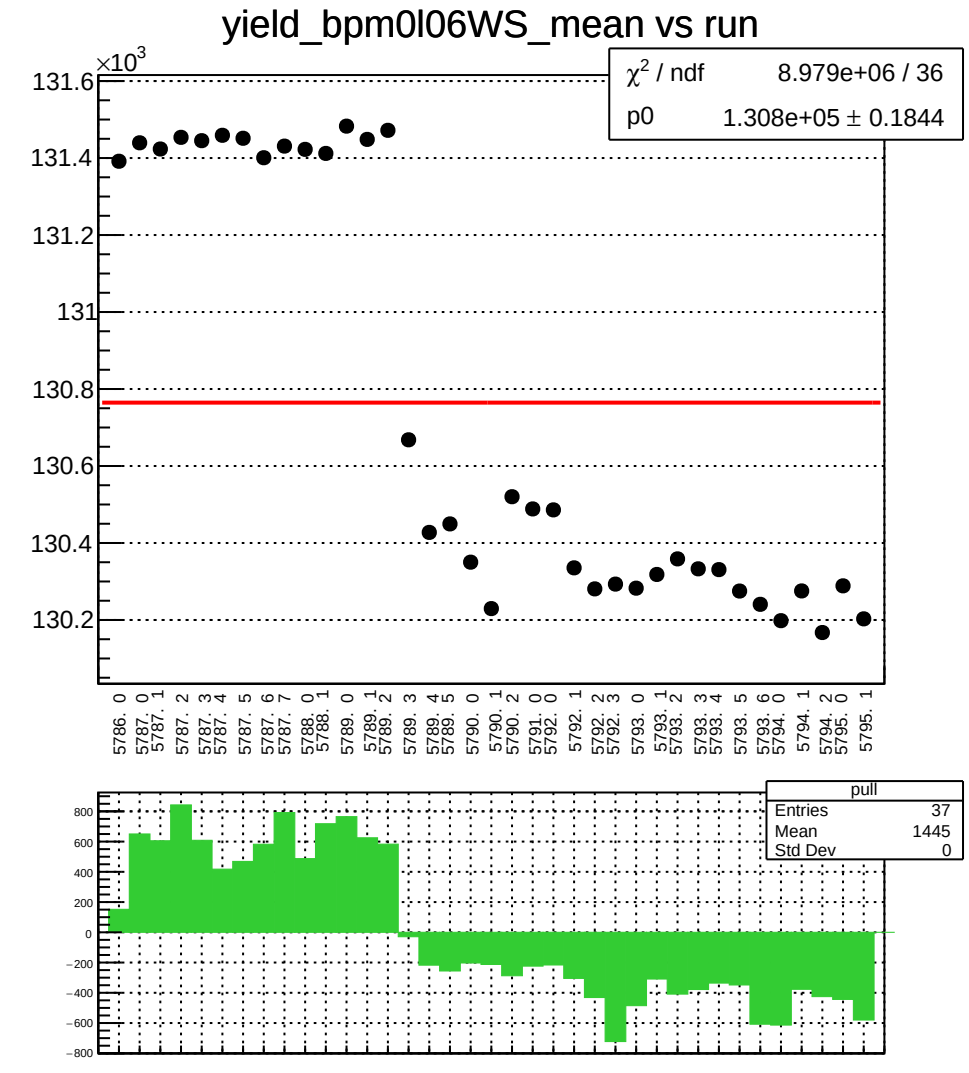

pull1D
Entries 37
Mean 3.112
Std Dev 0.2703
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

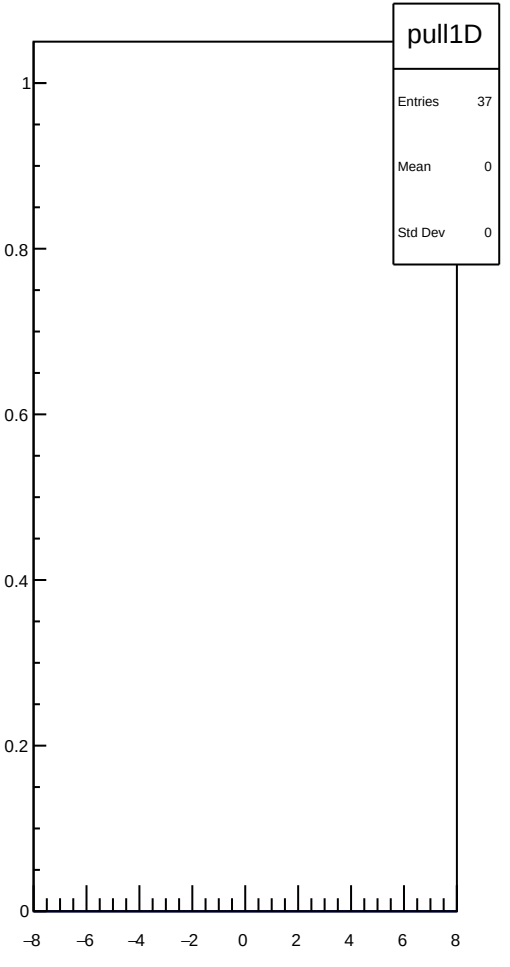

yield_bpm0l04WS_rms vs run
χ² / ndf 6.292e+04 / 36
p0 112.9 ± 0.136
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

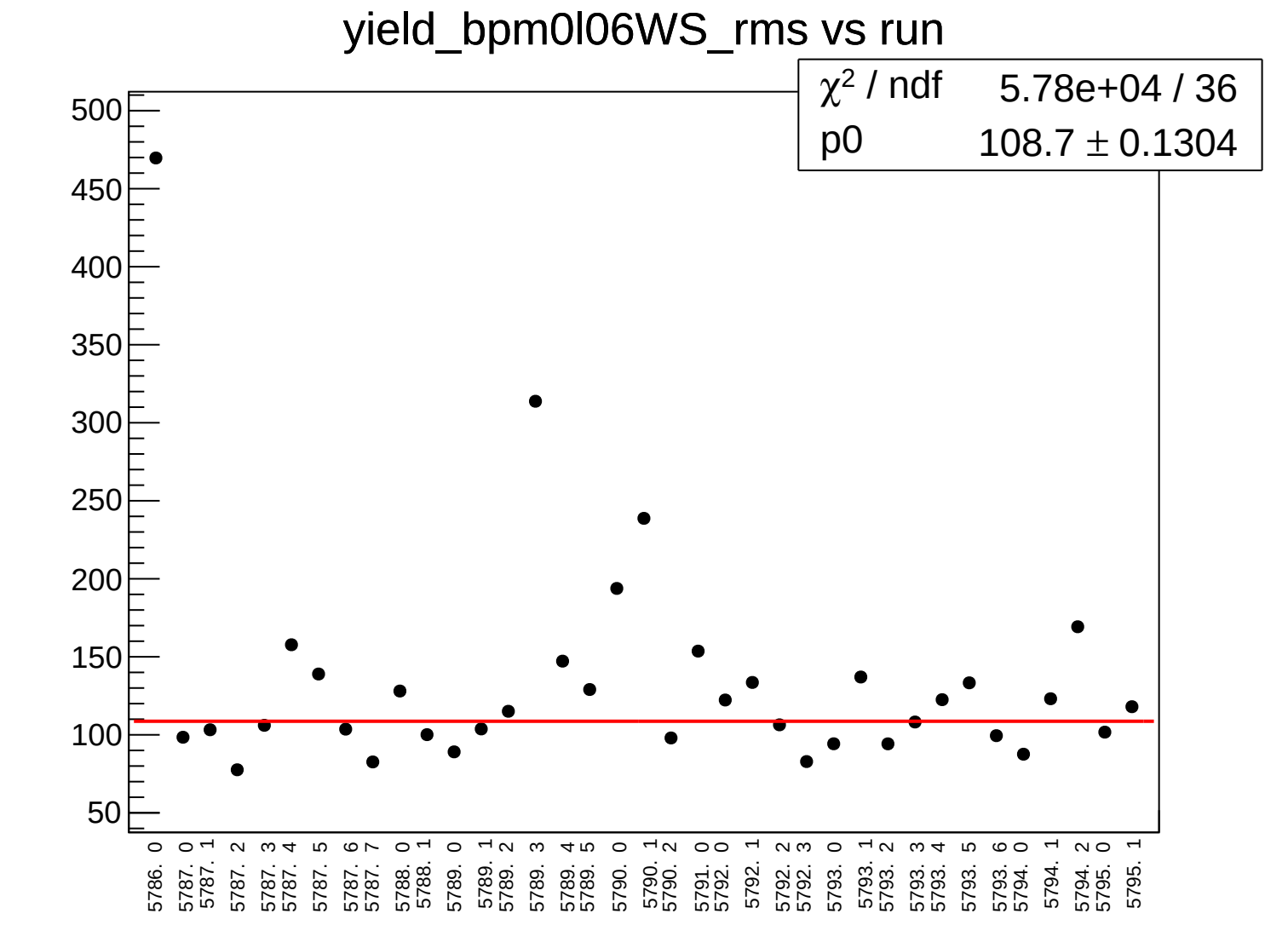

yield_bpm0l05WS_mean vs run
×10^3
130
129.8
129.6
129.4
129.2
129
128.8
128.6
χ² / ndf 1.414e+06 / 36
p0 1.297e+05 ± 0.21
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −13.31
Std Dev 0
300
200
100
0
−100
−200
−300
−400

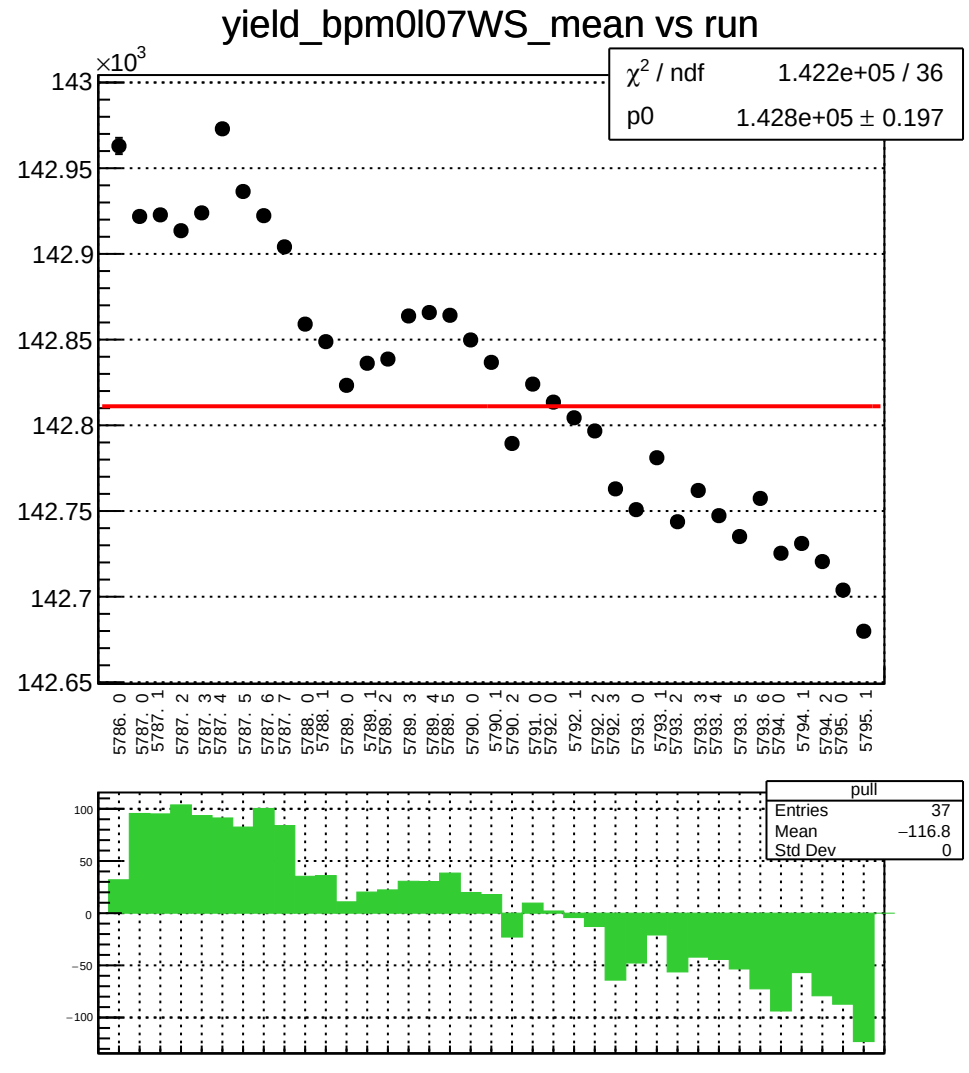

pull1D
Entries 37
Mean 4.592
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

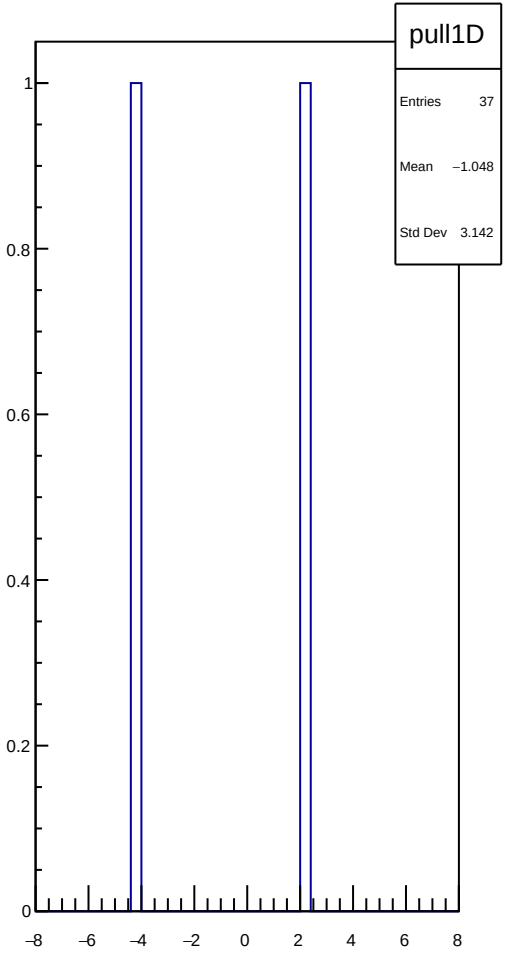

yield_bpm0l05WS_rms vs run
χ² / ndf 8.777e+04 / 36
p0 121.1 ± 0.1485
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

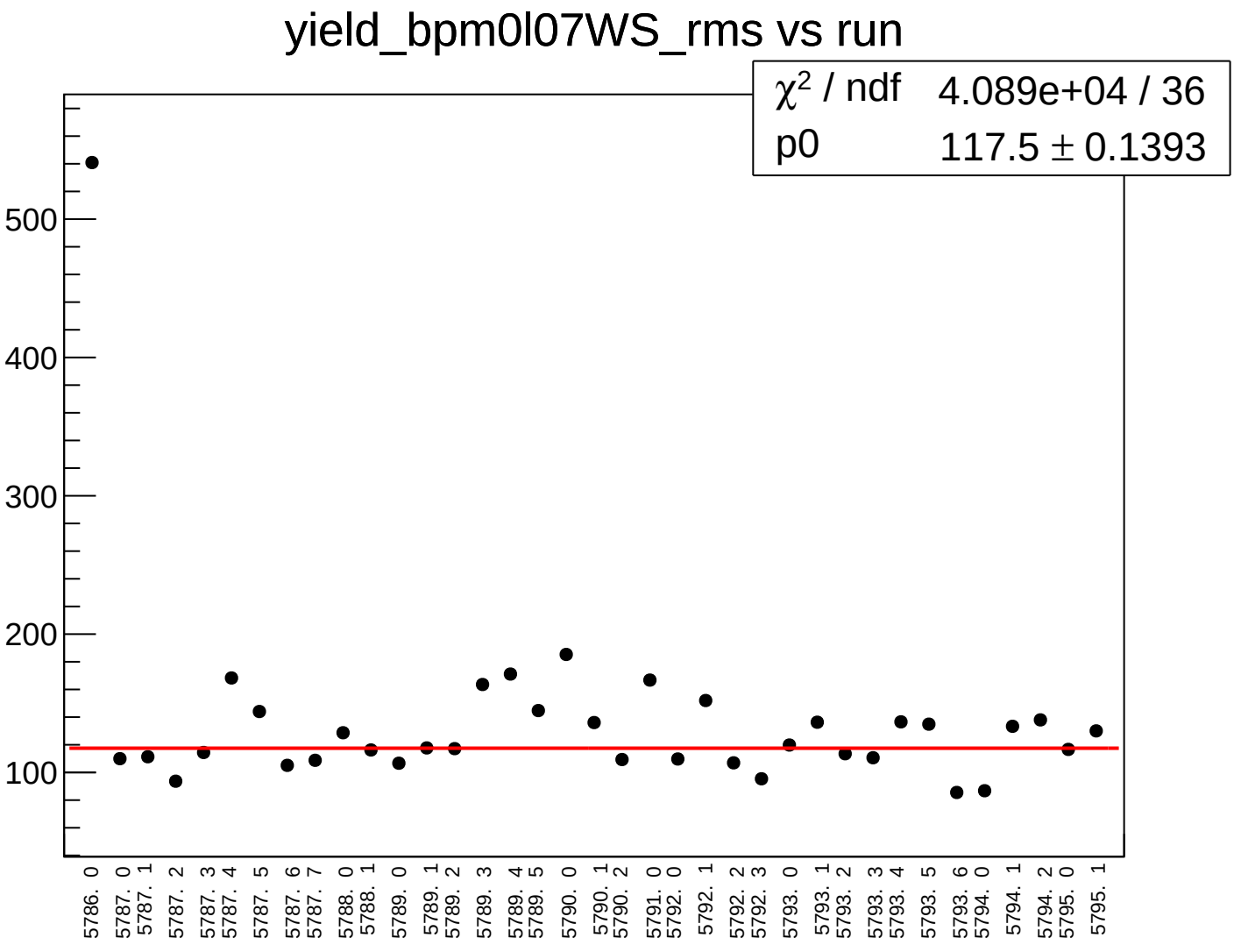

yield_bpm0l06WS_mean vs run
×10^3
χ² / ndf 8.979e+06 / 36
p0 1.308e+05 ± 0.1844
131.6
131.4
131.2
131
130.8
130.6
130.4
130.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1445
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

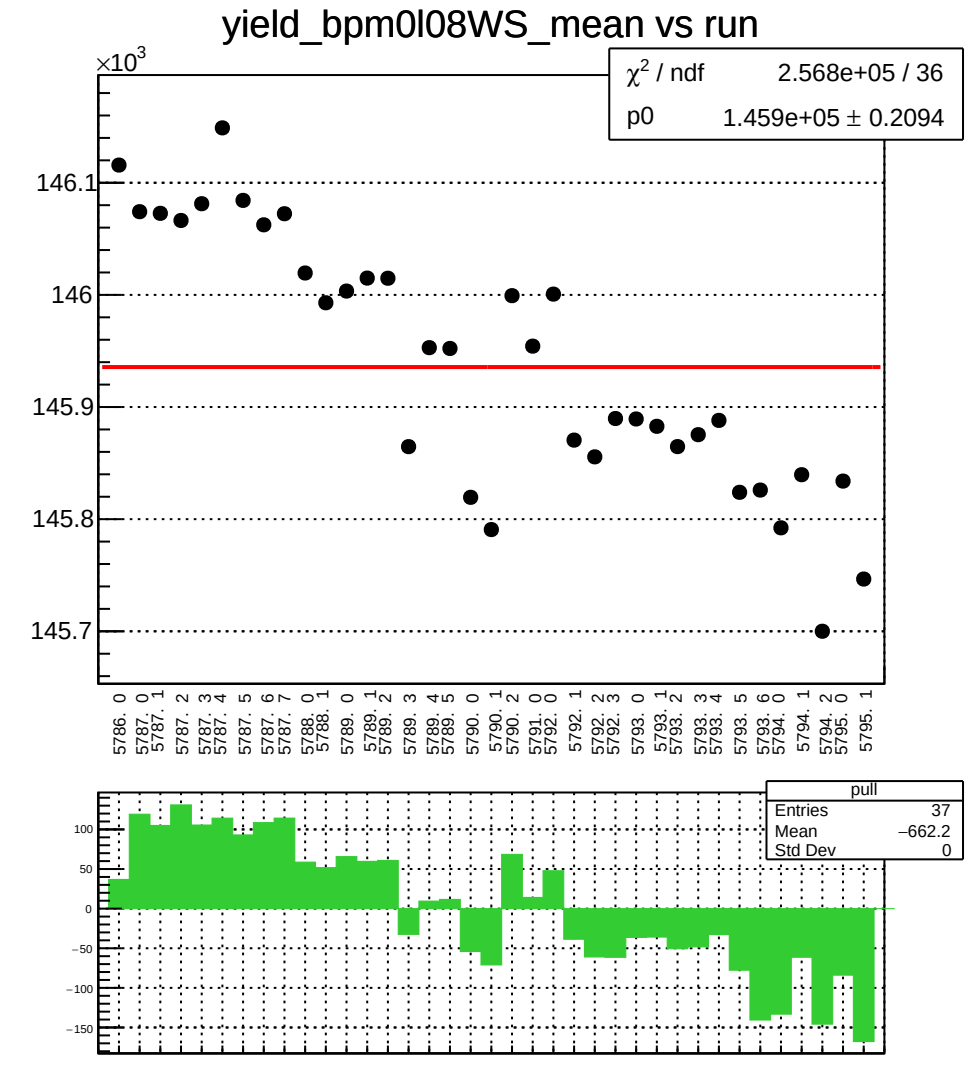

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

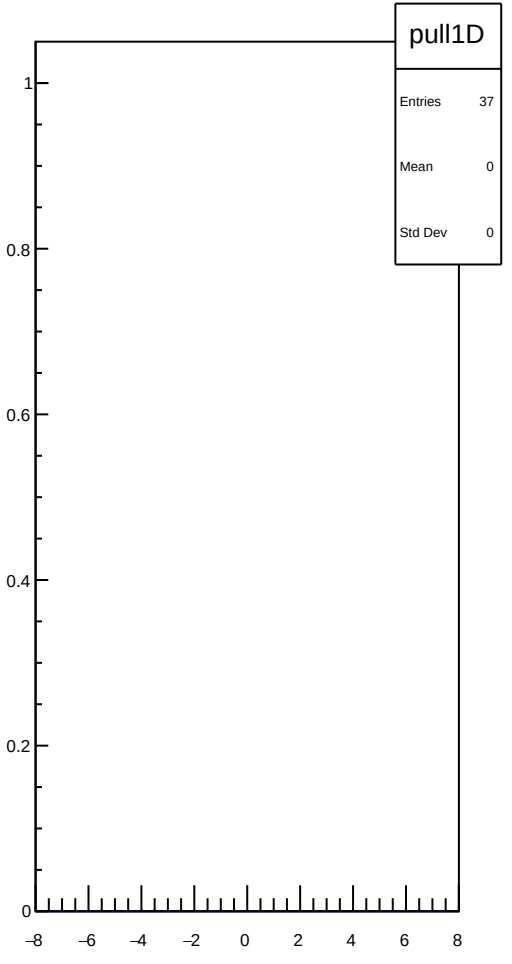

yield_bpm0l06WS_rms vs run
χ² / ndf 5.78e+04 / 36
p0 108.7 ± 0.1304
500
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

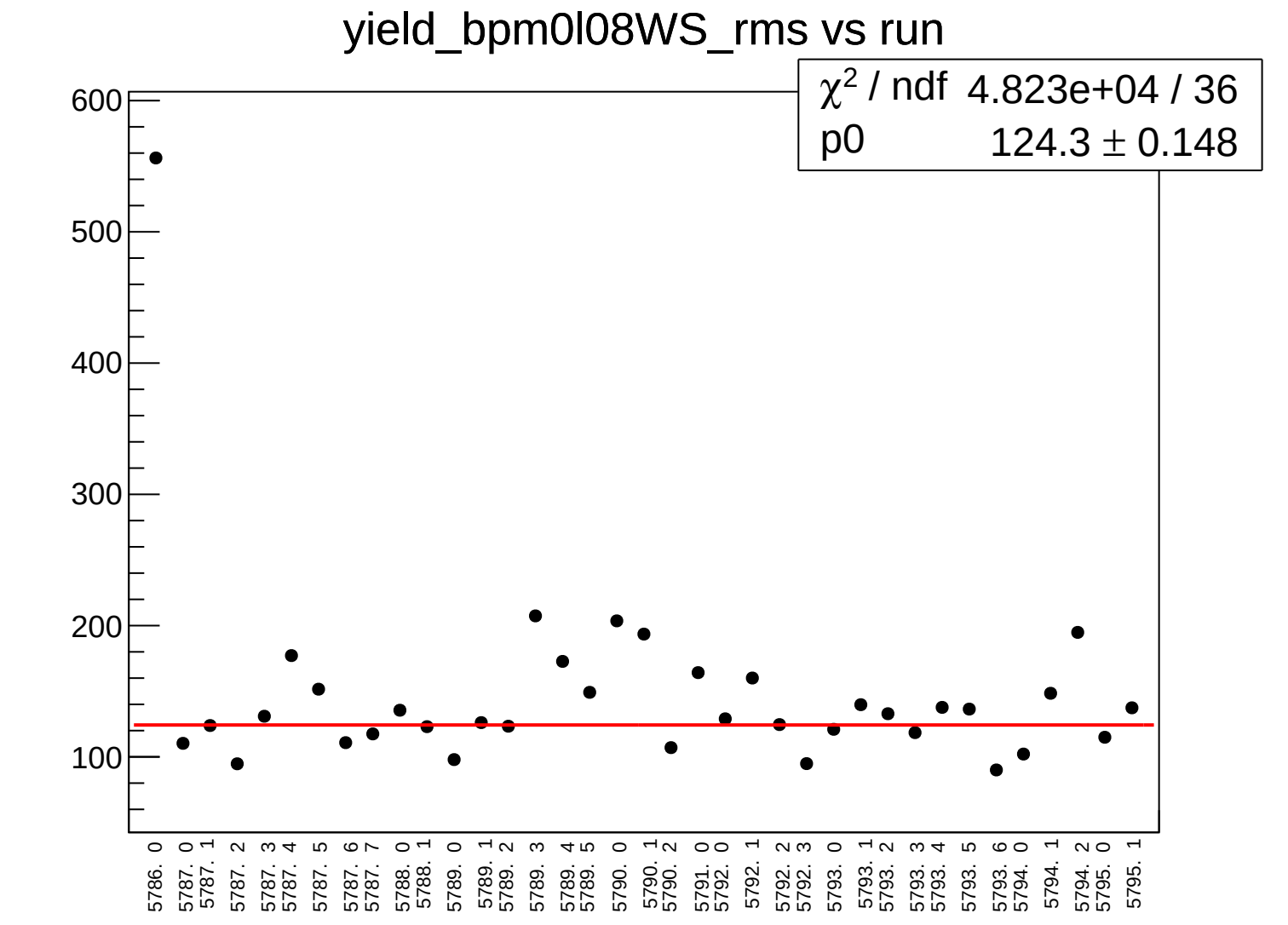

yield_bpm0l07WS_mean vs run
×10^3
χ² / ndf 1.422e+05 / 36
p0 1.428e+05 ± 0.197
143
142.95
142.9
142.85
142.8
142.75
142.7
142.65
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −116.8
Std Dev 0
100
50
0
−50
−100

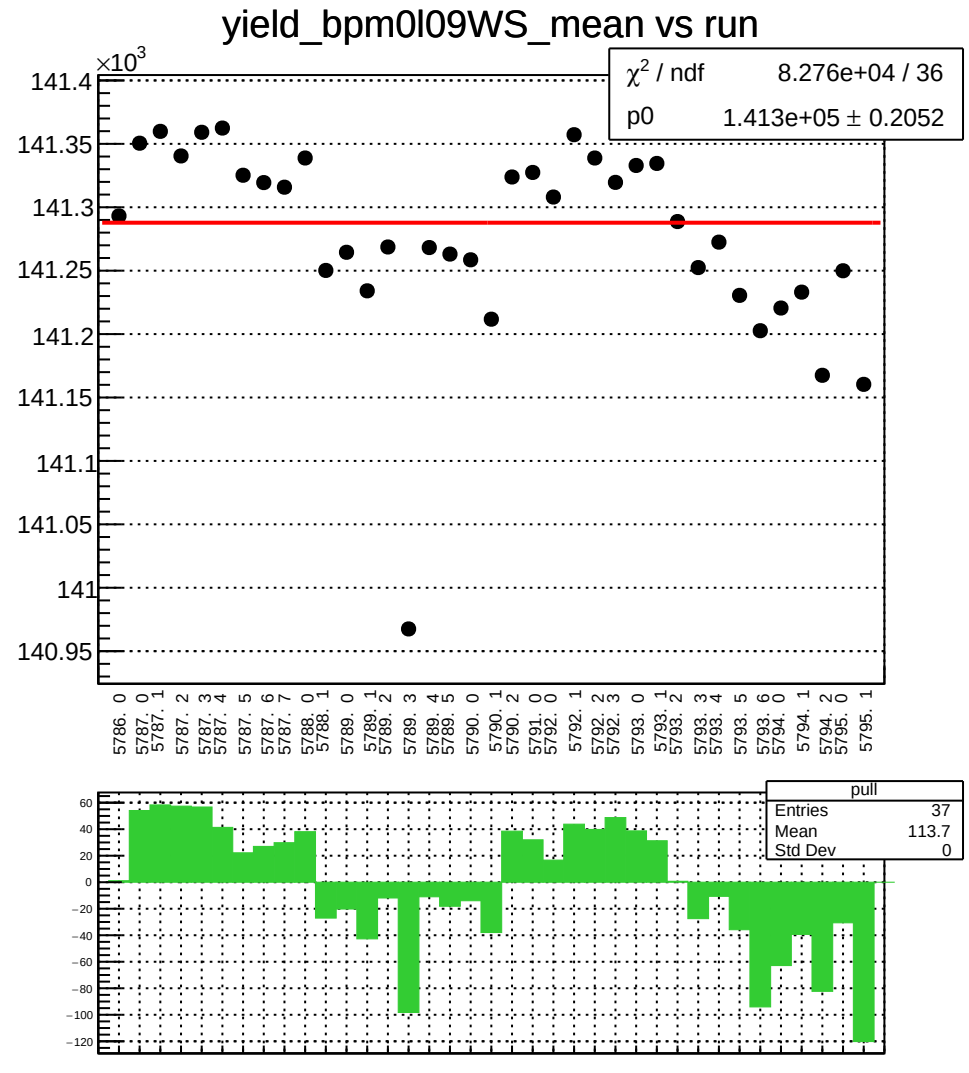

pull1D
Entries 37
Mean −1.048
Std Dev 3.142
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

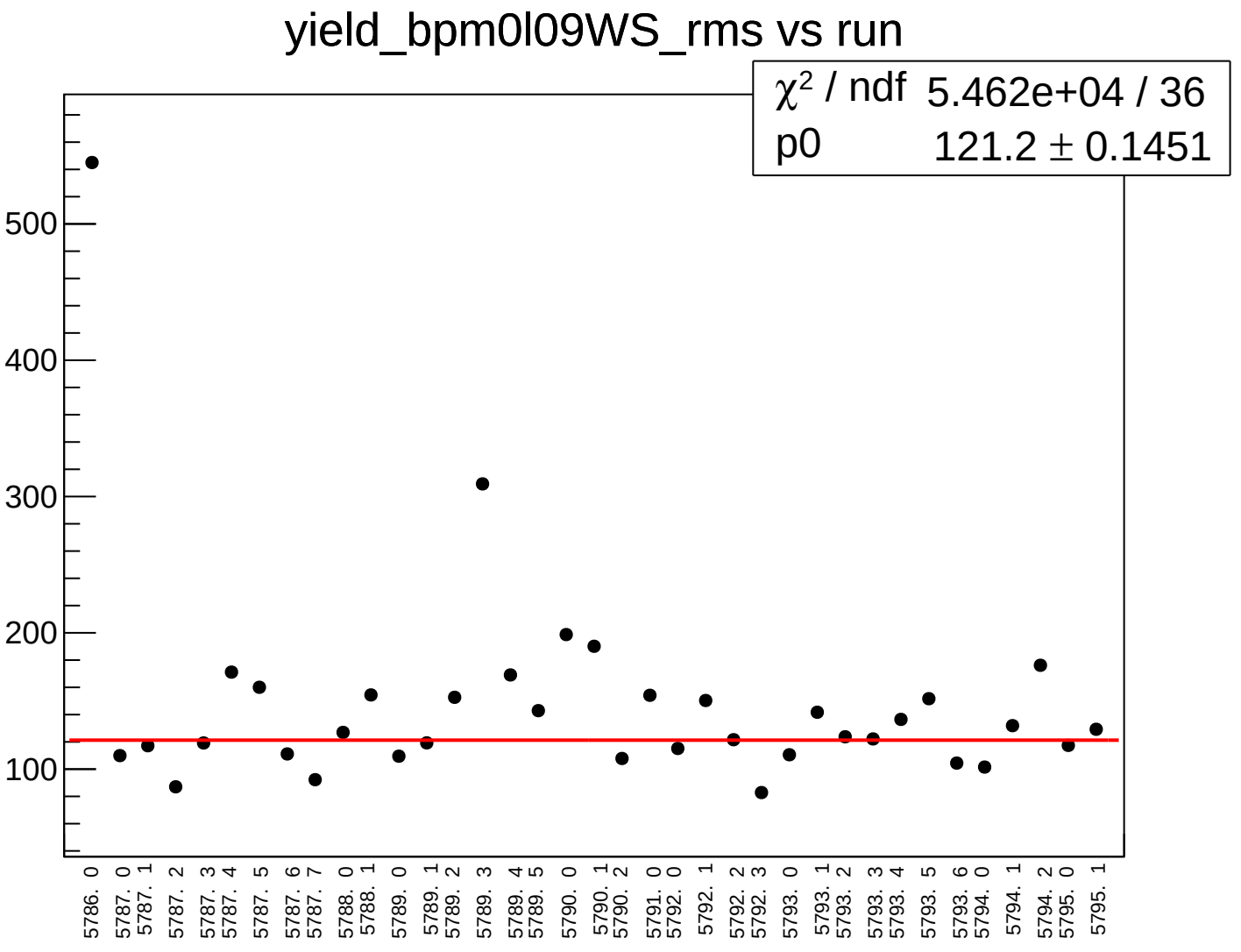

yield_bpm0l07WS_rms vs run
χ² / ndf 4.089e+04 / 36
p0 117.5 ± 0.1393
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

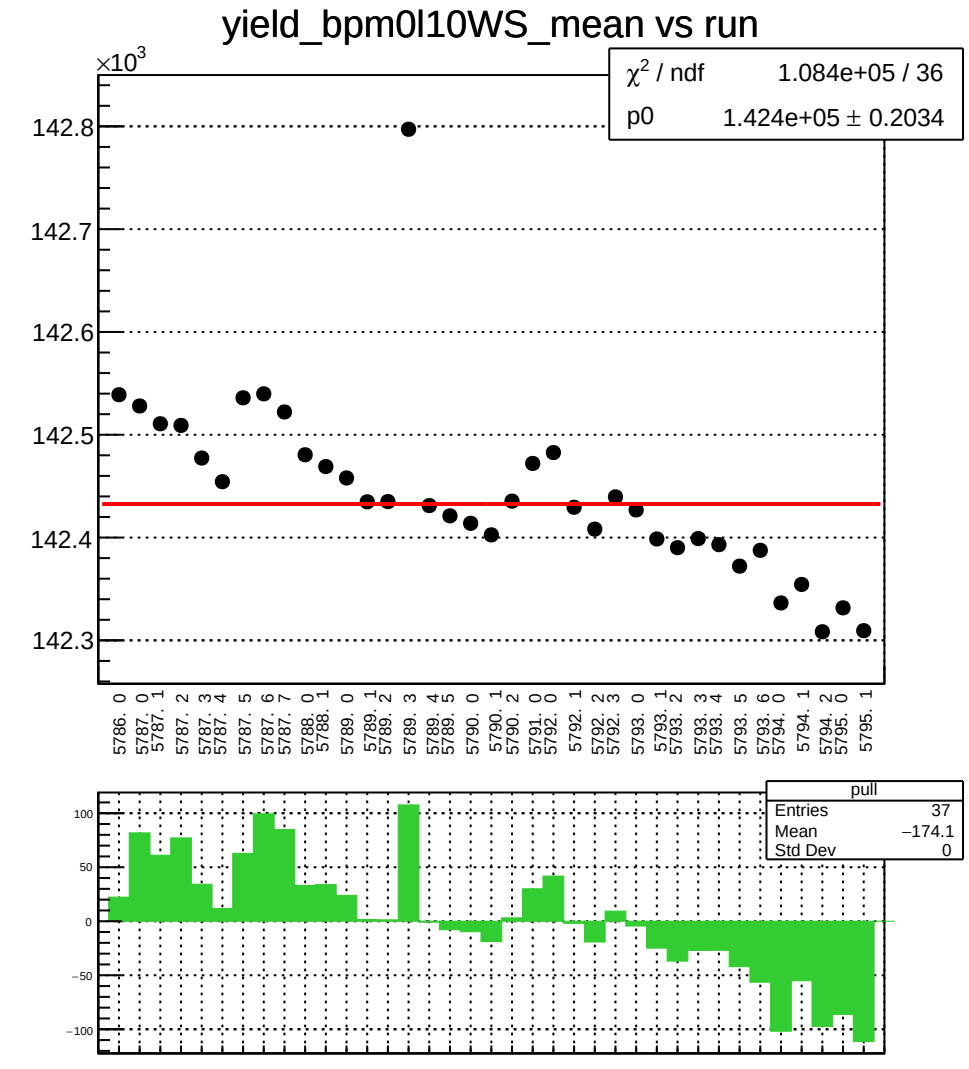

yield_bpm0l08WS_mean vs run
×10^3
χ² / ndf 2.568e+05 / 36
p0 1.459e+05 ± 0.2094
146.1
146
145.9
145.8
145.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −662.2
Std Dev 0
100
50
0
−50
−100
−150

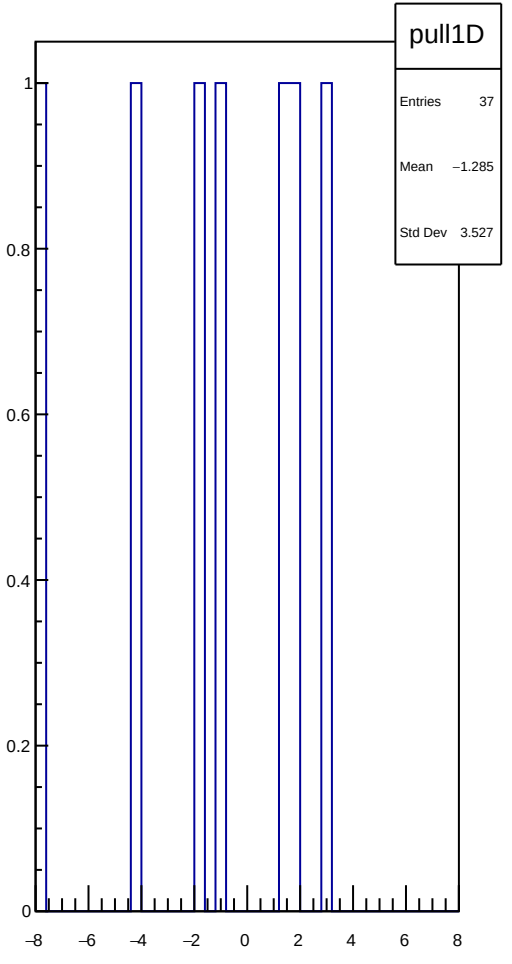

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

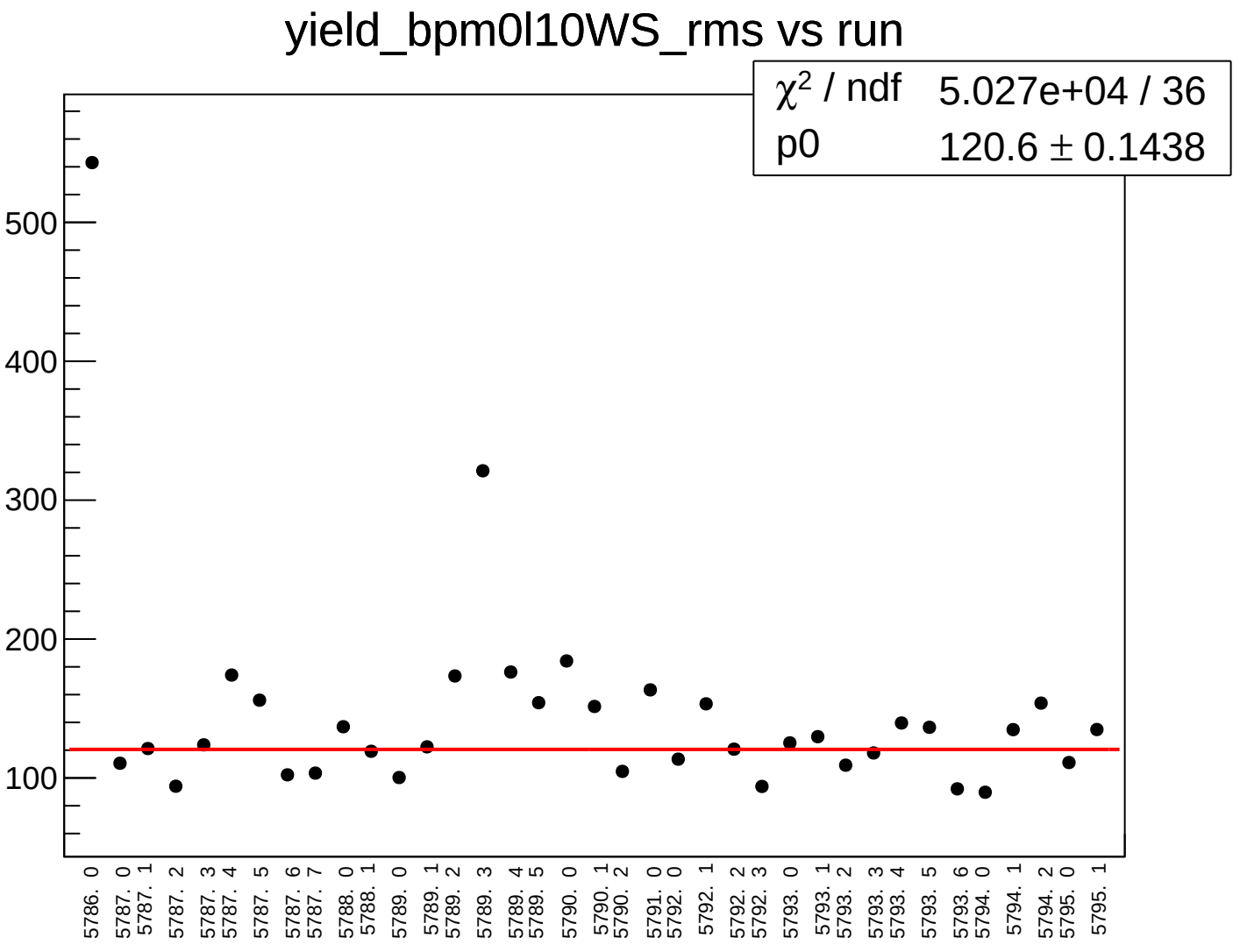

yield_bpm0l08WS_rms vs run
χ^2 / ndf 4.823e+04 / 36
p0 124.3 ± 0.148
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

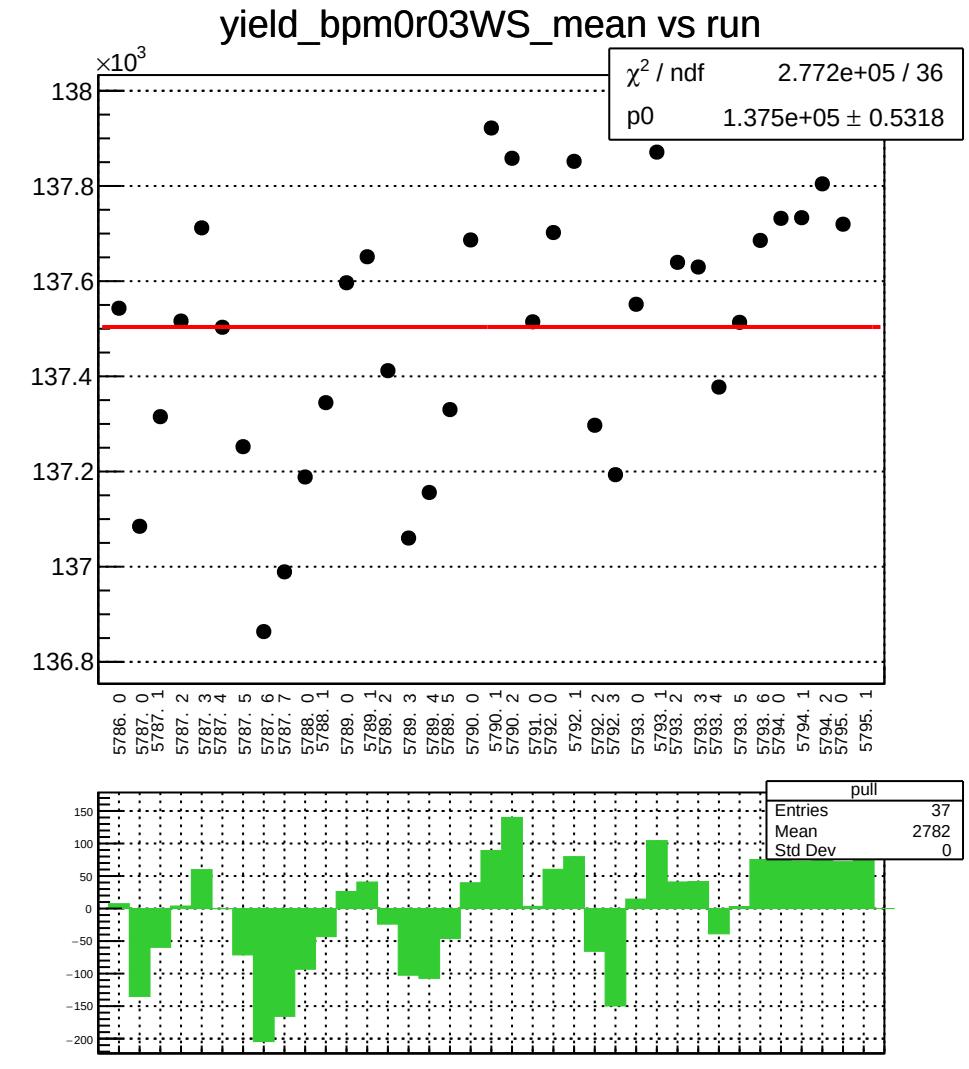

yield_bpm0l09WS_mean vs run
×10^3
χ² / ndf 8.276e+04 / 36
p0 1.413e+05 ± 0.2052
141.4
141.35
141.3
141.25
141.2
141.15
141.1
141.05
141
140.95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 113.7
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 37
Mean 0.9137
Std Dev 0.209
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

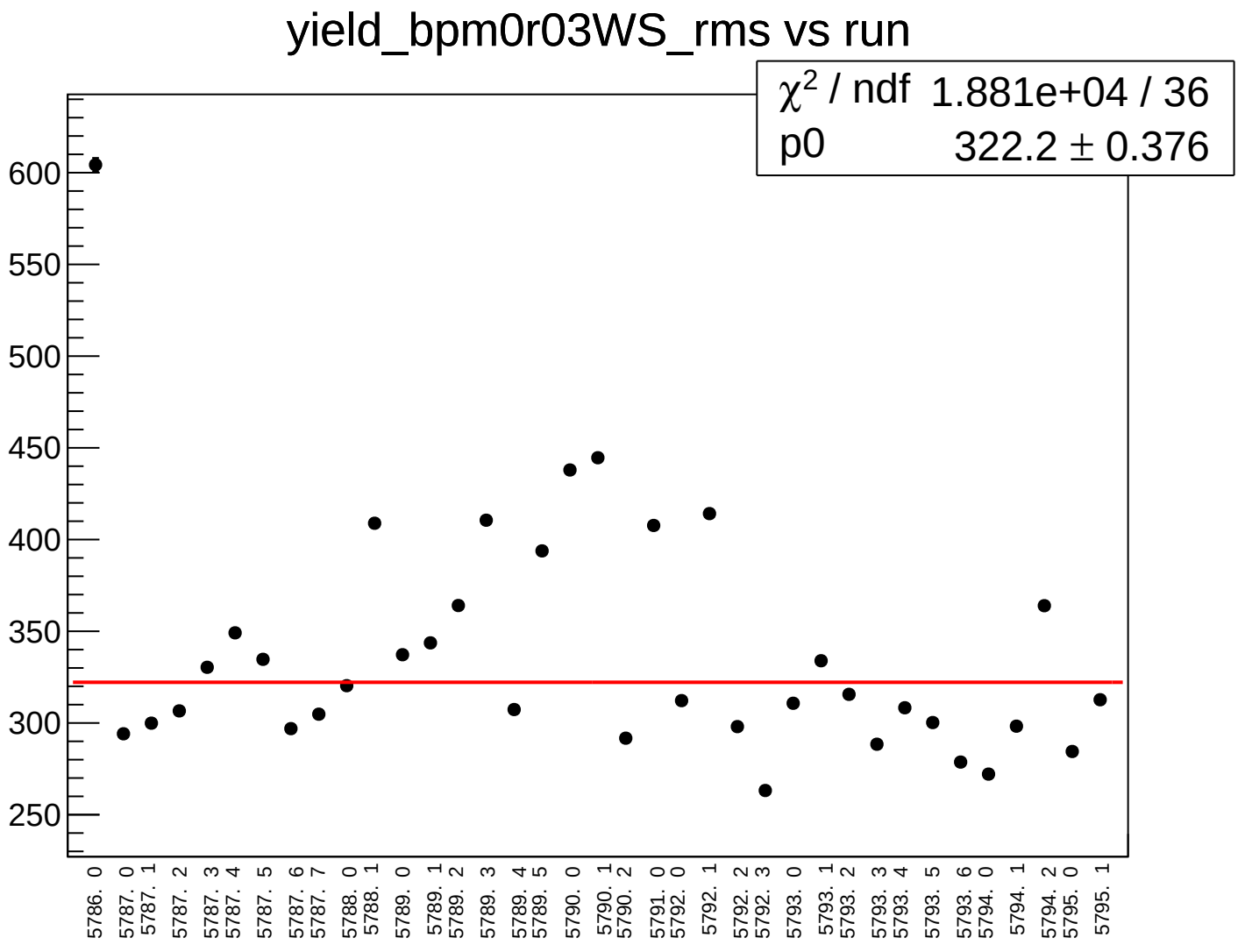

yield_bpm0l09WS_rms vs run
χ² / ndf 5.462e+04 / 36
p0 121.2 ± 0.1451
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

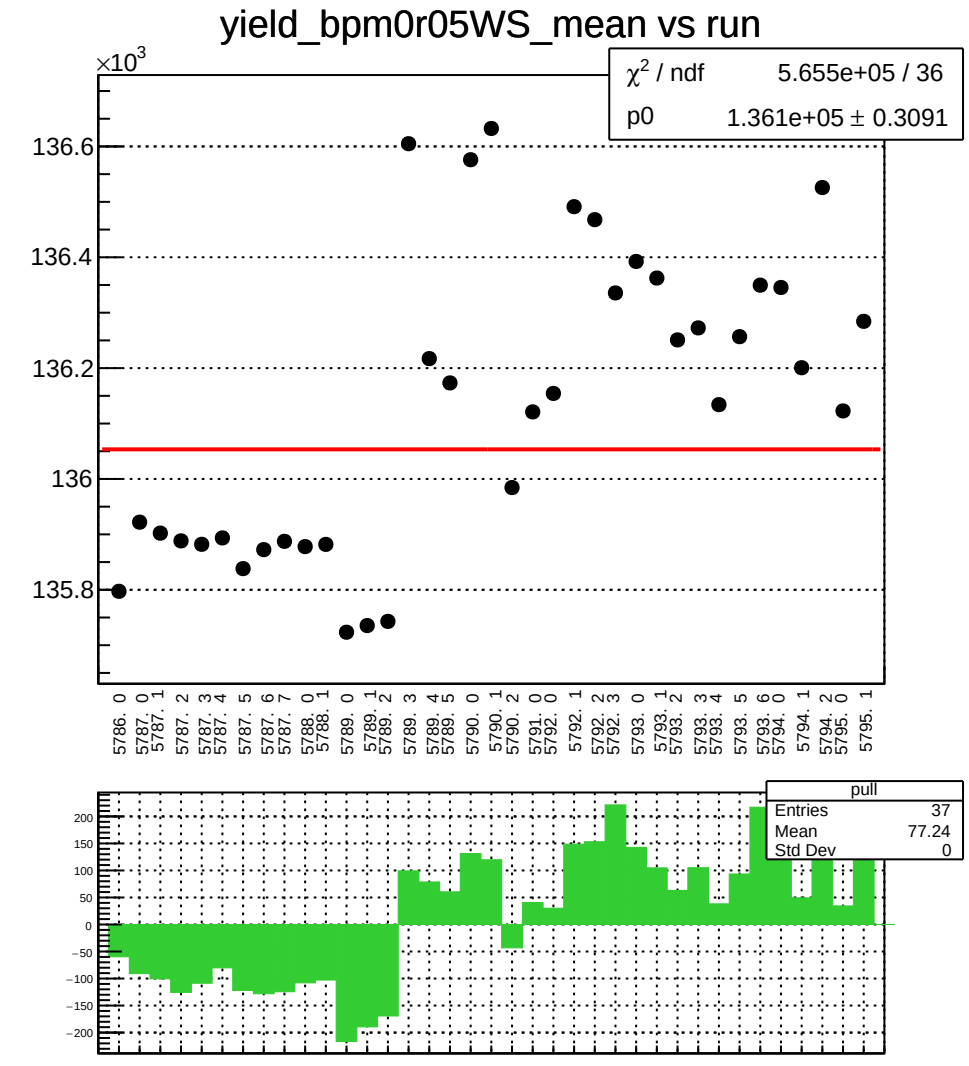

yield_bpm0l10WS_mean vs run
×10^3
χ² / ndf 1.084e+05 / 36
p0 1.424e+05 ± 0.2034
142.8
142.7
142.6
142.5
142.4
142.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −174.1
Std Dev 0
100
50
0
−50
−100

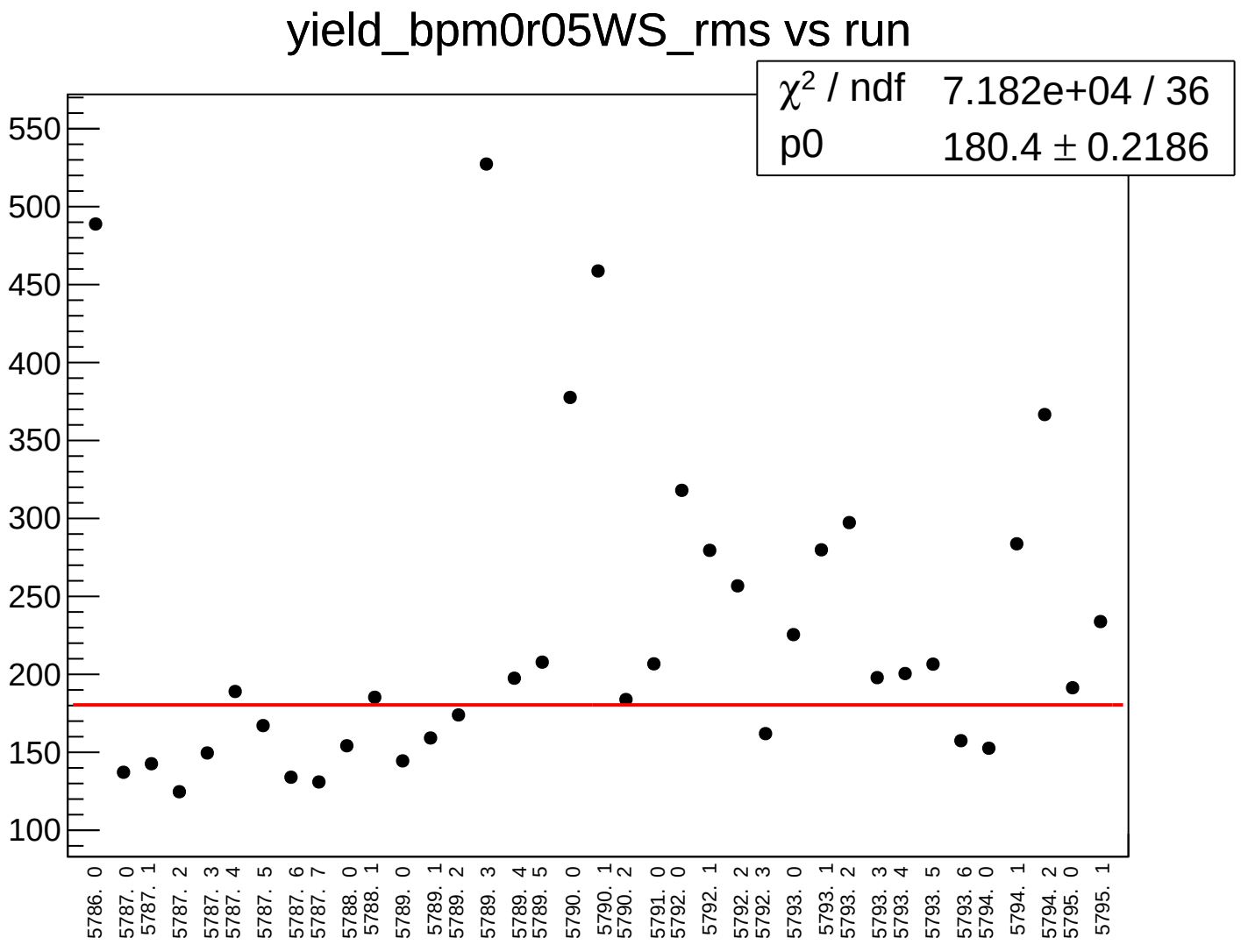

pull1D
Entries 37
Mean −1.285
Std Dev 3.527
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

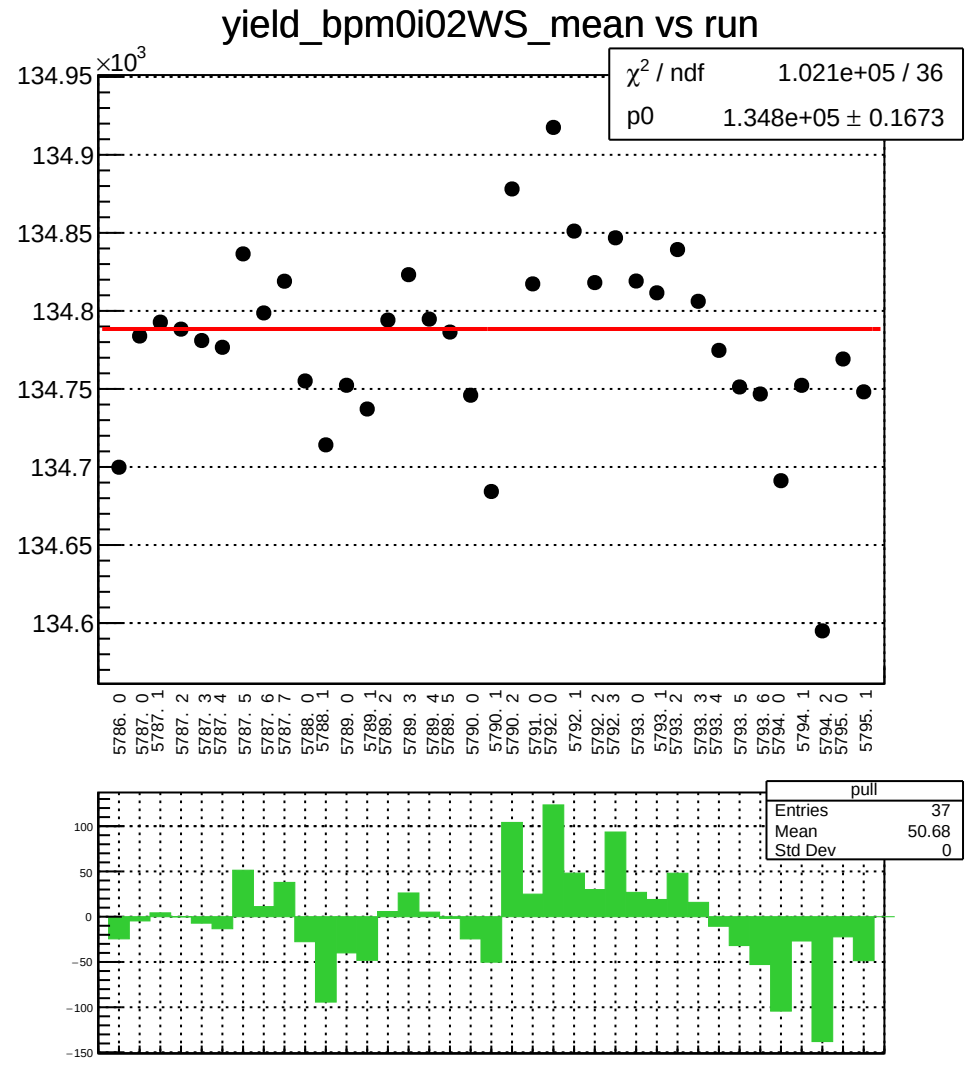

yield_bpm0l10WS_rms vs run
χ² / ndf 5.027e+04 / 36
p0 120.6 ± 0.1438
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

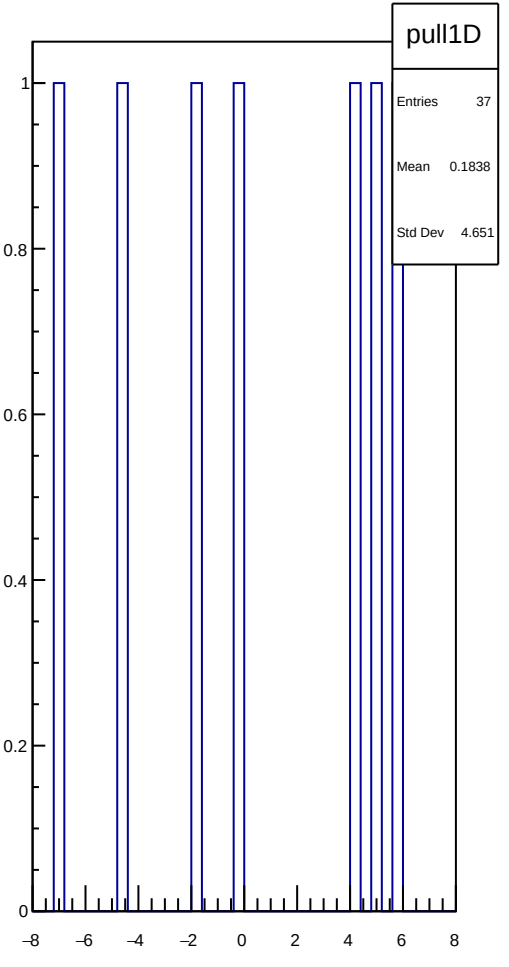

yield_bpm0r03WS_mean vs run
×10^3
χ² / ndf 2.772e+05 / 36
p0 1.375e+05 ± 0.5318
138
137.8
137.6
137.4
137.2
137
136.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2782
Std Dev 0
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 37
Mean 3.516
Std Dev 2.415
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

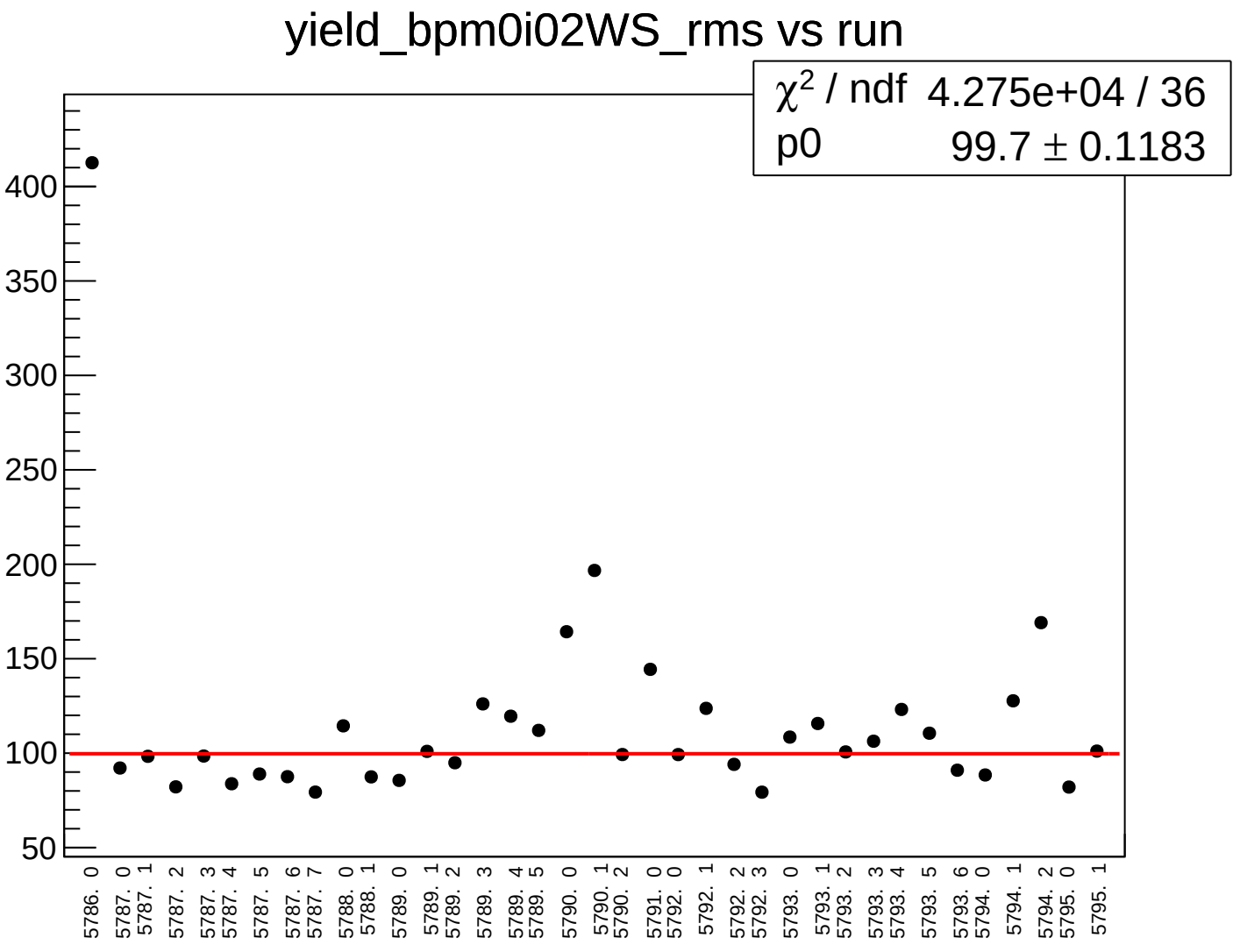

yield_bpm0r03WS_rms vs run
χ² / ndf 1.881e+04 / 36
p0 322.2 ± 0.376
600
550
500
450
400
350
300
250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

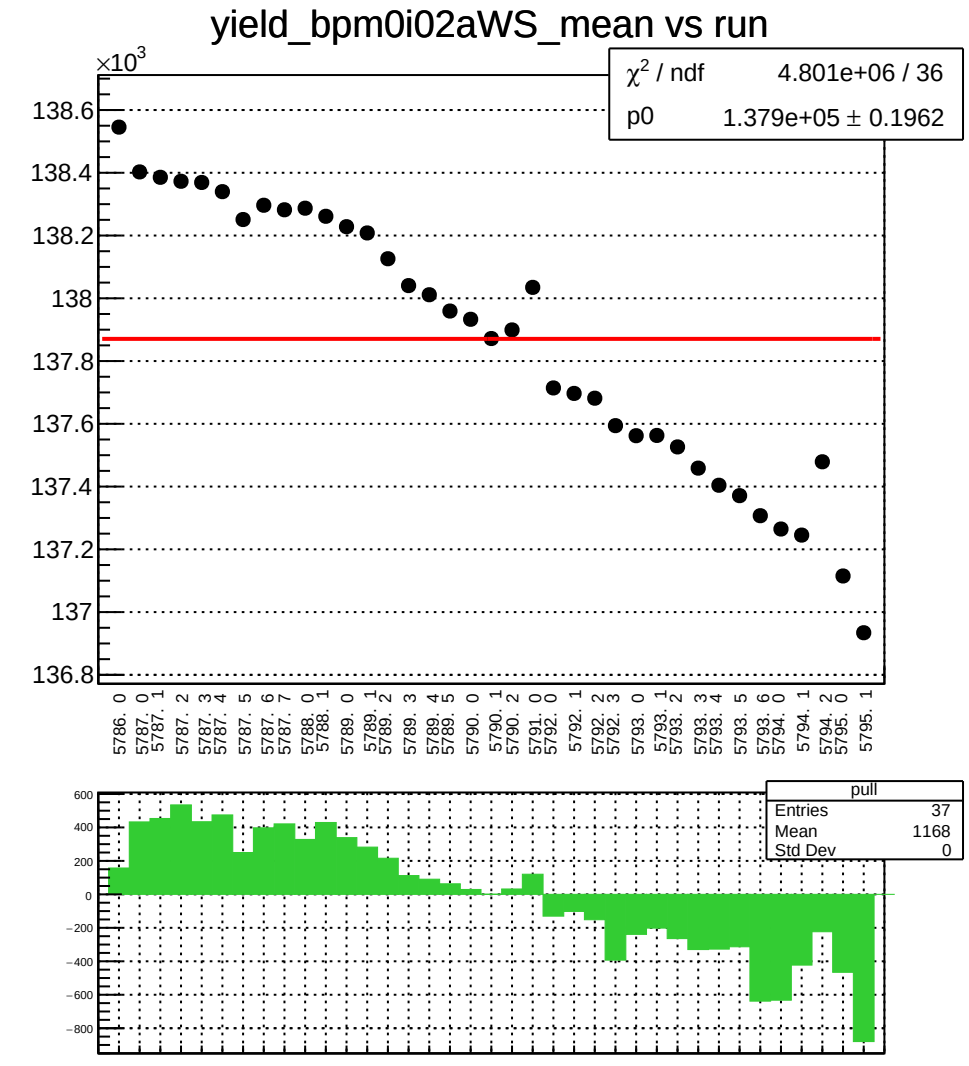

yield_bpm0r05WS_mean vs run
×10^3
χ² / ndf 5.655e+05 / 36
p0 1.361e+05 ± 0.3091
136.6
136.4
136.2
136
135.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 77.24
Std Dev 0
200
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

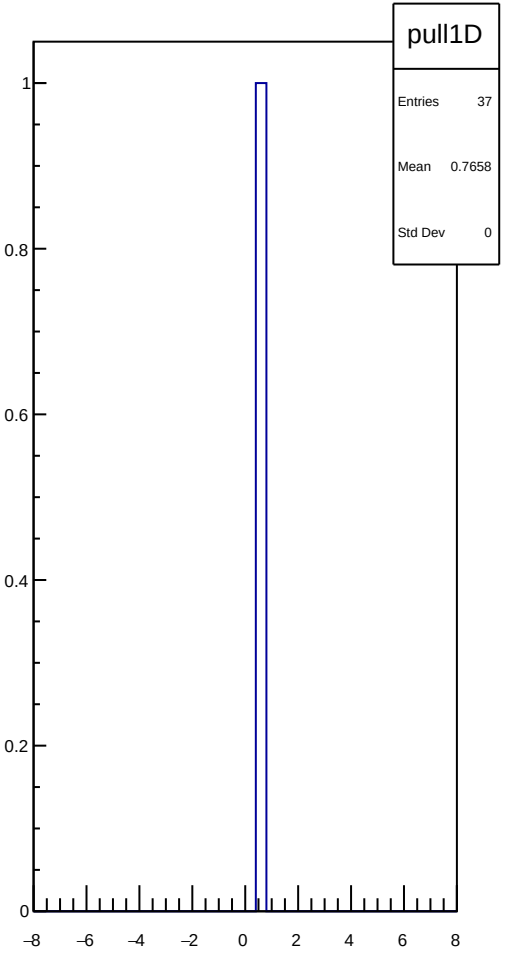

yield_bpm0r05WS_rms vs run
χ² / ndf 7.182e+04 / 36
p0 180.4 ± 0.2186
550
500
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

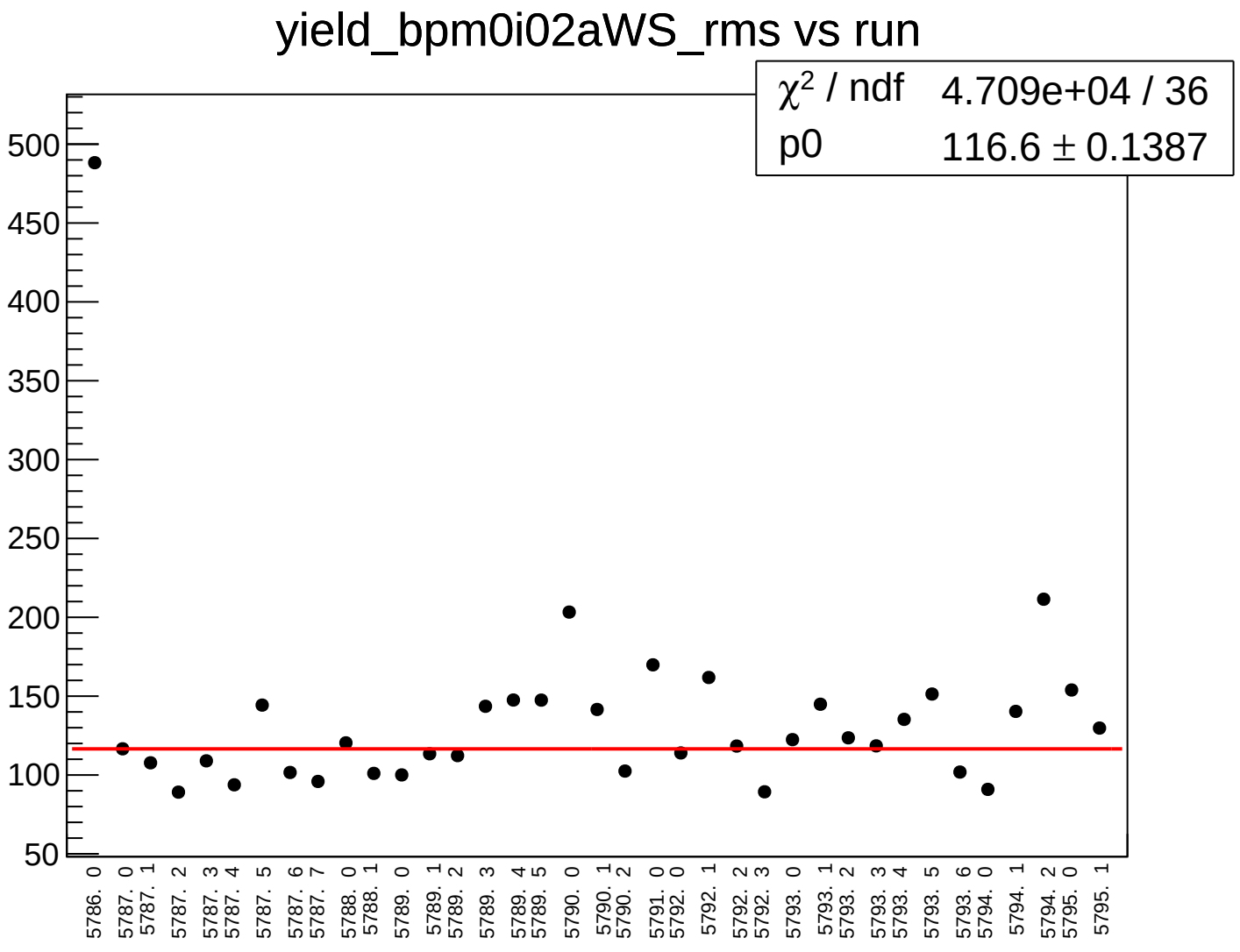

yield_bpm0i02WS_mean vs run
χ² / ndf 1.021e+05 / 36
p0 1.348e+05 ± 0.1673
×10³
134.95
134.9
134.85
134.8
134.75
134.7
134.65
134.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.68
Std Dev 0
100
50
0
−50
−100
−150

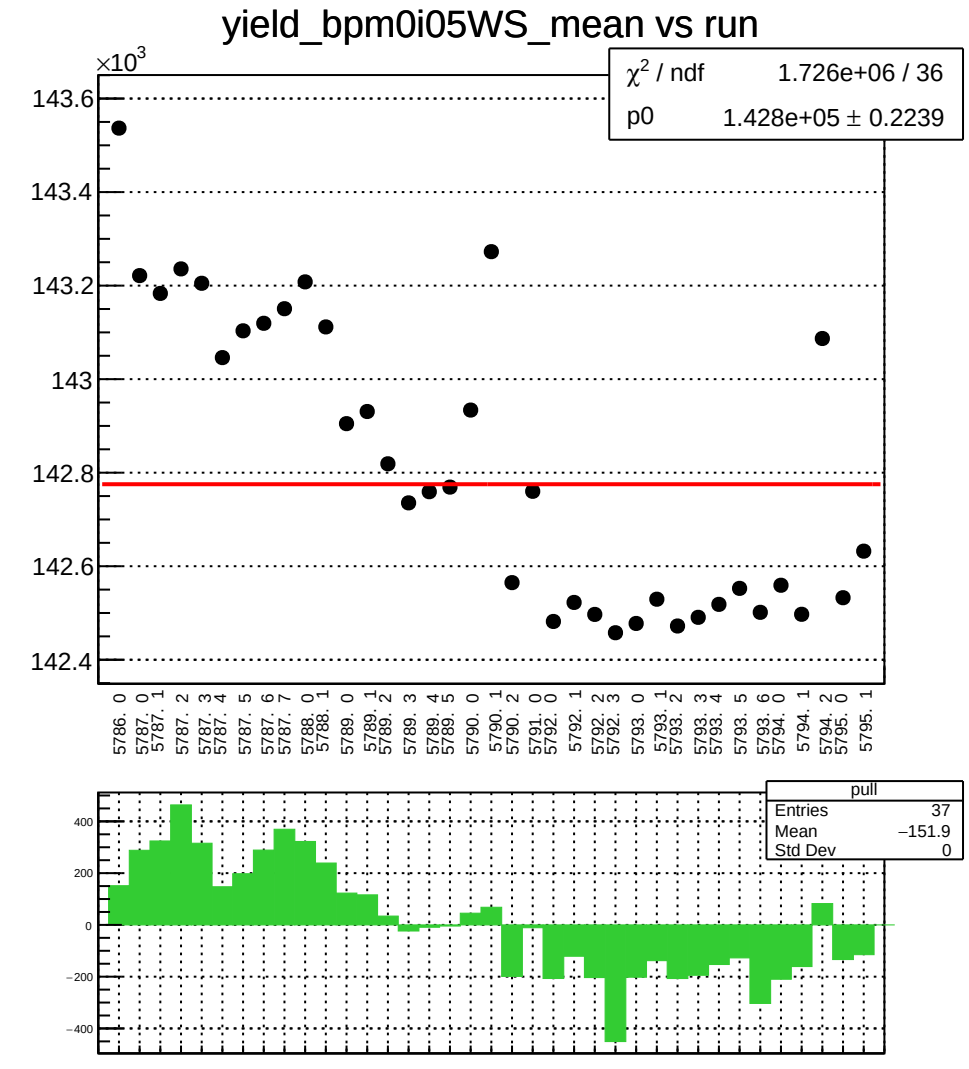

pull1D
Entries 37
Mean 0.1838
Std Dev 4.651
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

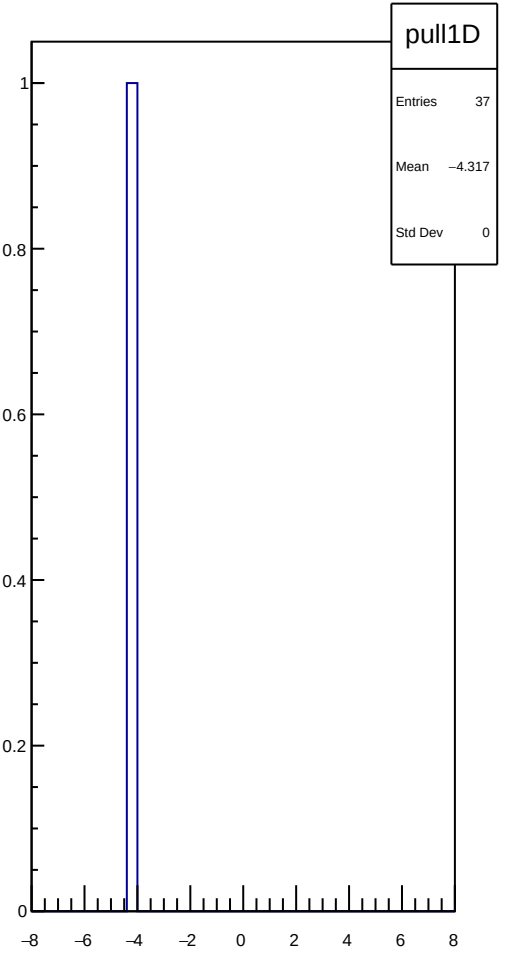

yield_bpm0i02WS_rms vs run
χ² / ndf 4.275e+04 / 36
p0 99.7 ± 0.1183
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

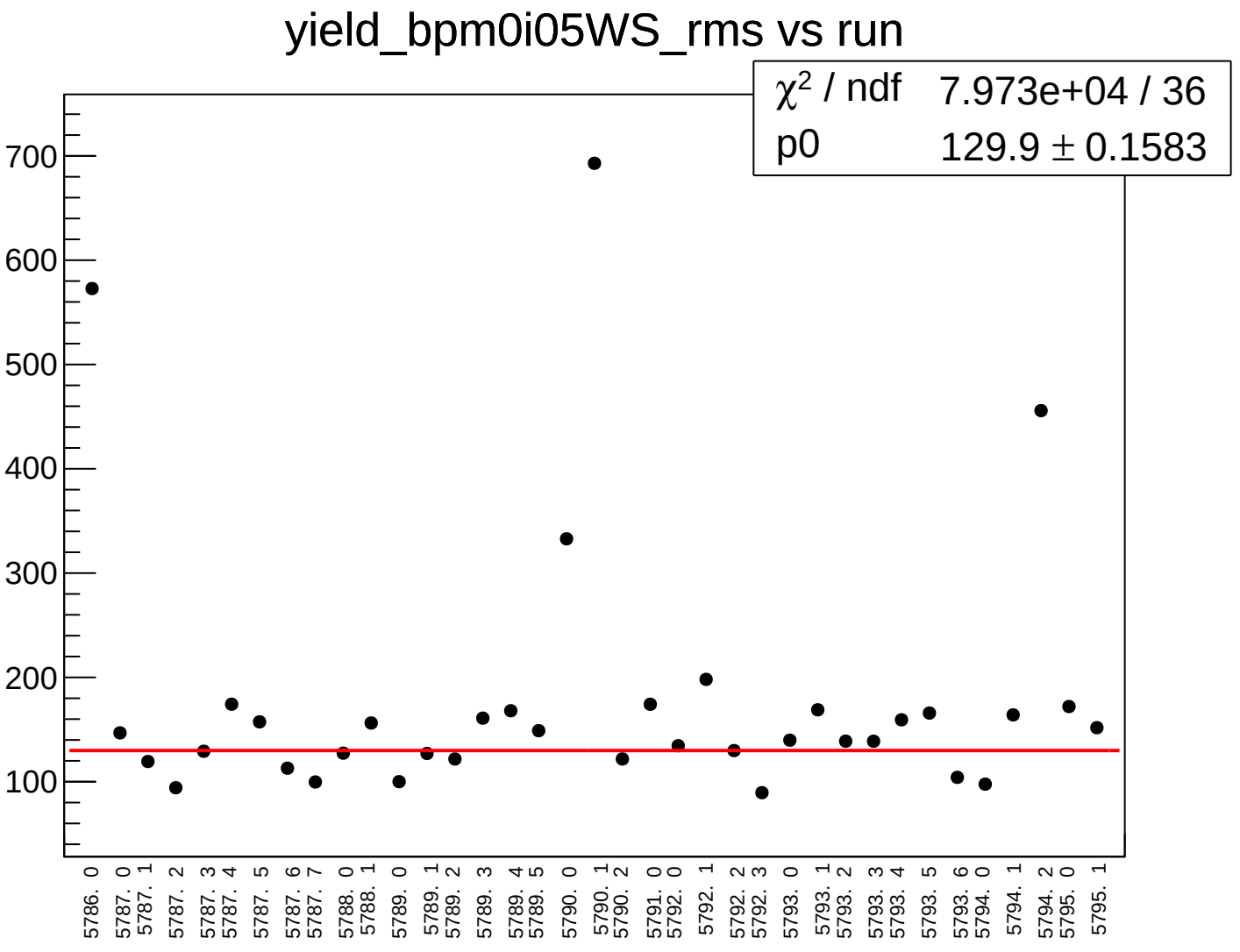

yield_bpm0i02aWS_mean vs run
×10^3
χ^2 / ndf 4.801e+06 / 36
p0 1.379e+05 ± 0.1962
138.6
138.4
138.2
138
137.8
137.6
137.4
137.2
137
136.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1168
Std Dev 0
600
400
200
0
−200
−400
−600
−800

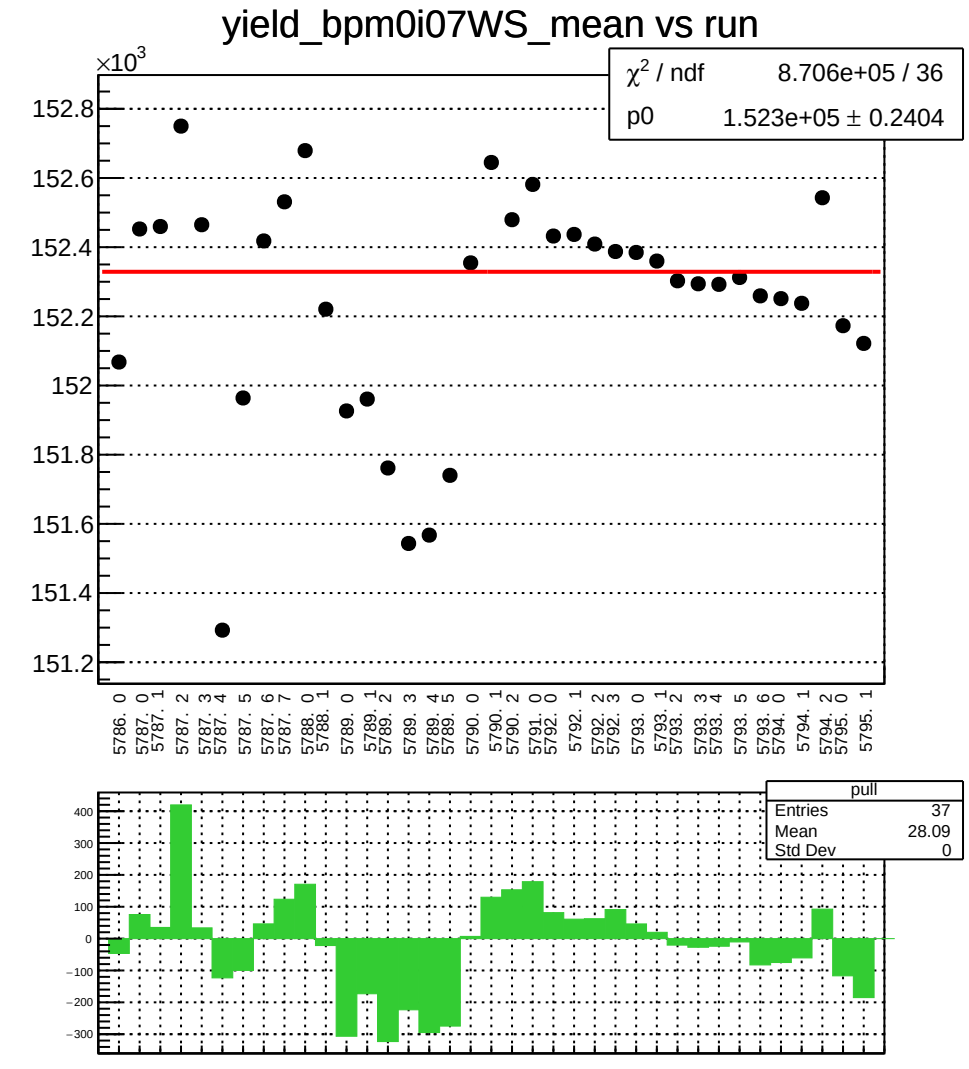

pull1D
Entries 37
Mean 0.7658
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

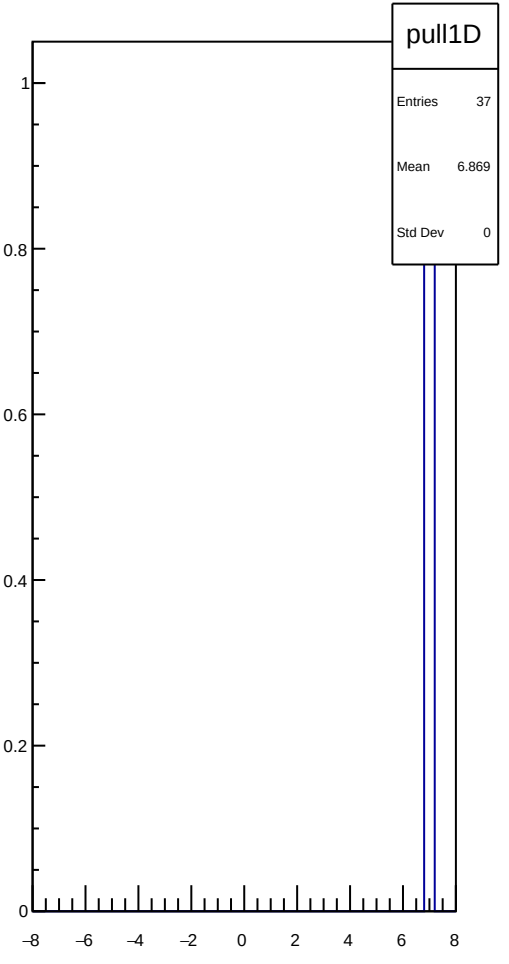

yield_bpm0i02aWS_rms vs run
χ² / ndf 4.709e+04 / 36
p0 116.6 ± 0.1387
500
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

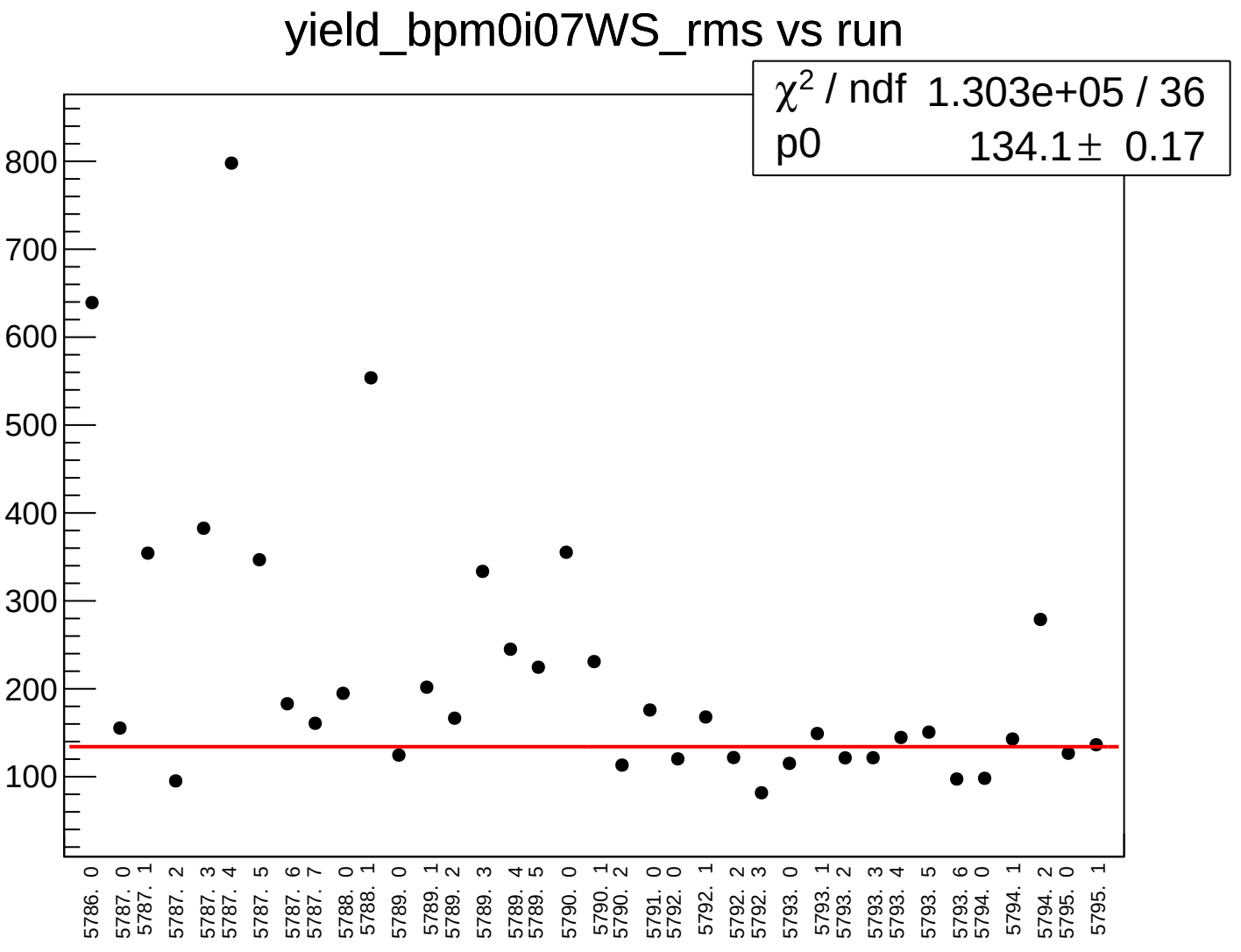

yield_bpm0i05WS_mean vs run
×10^3
χ² / ndf 1.726e+06 / 36
p0 1.428e+05 ± 0.2239
143.6
143.4
143.2
143
142.8
142.6
142.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −151.9
Std Dev 0
400
200
0
−200
−400

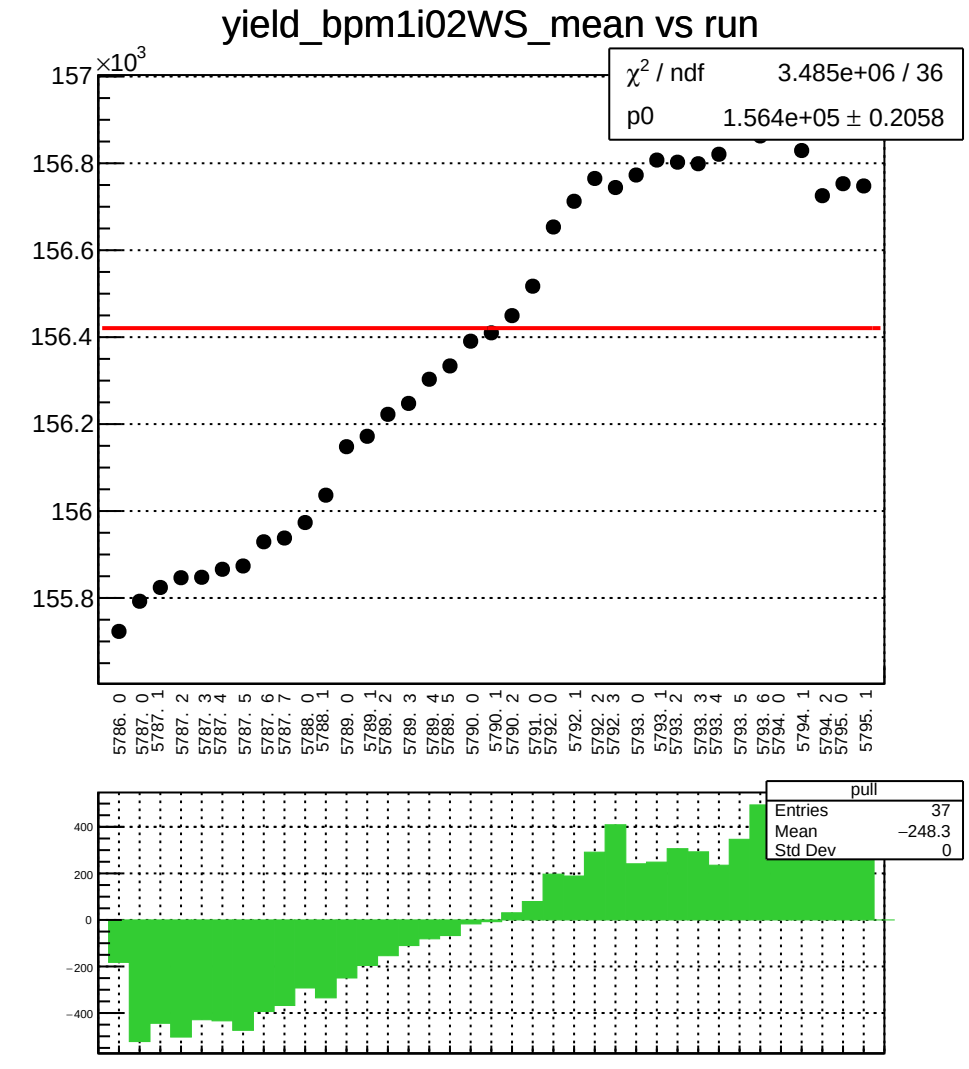

pull1D
Entries 37
Mean −4.317
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

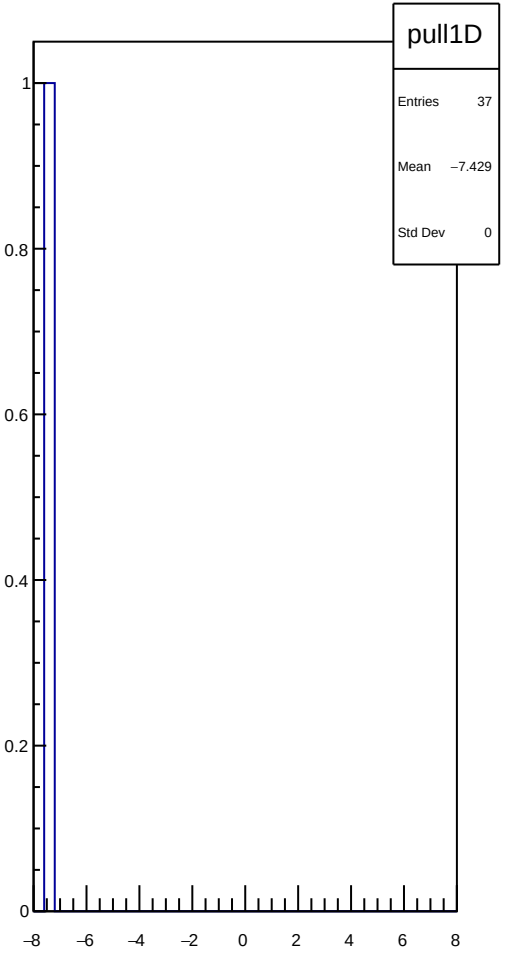

yield_bpm0i05WS_rms vs run
χ² / ndf 7.973e+04 / 36
p0 129.9 ± 0.1583
700
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

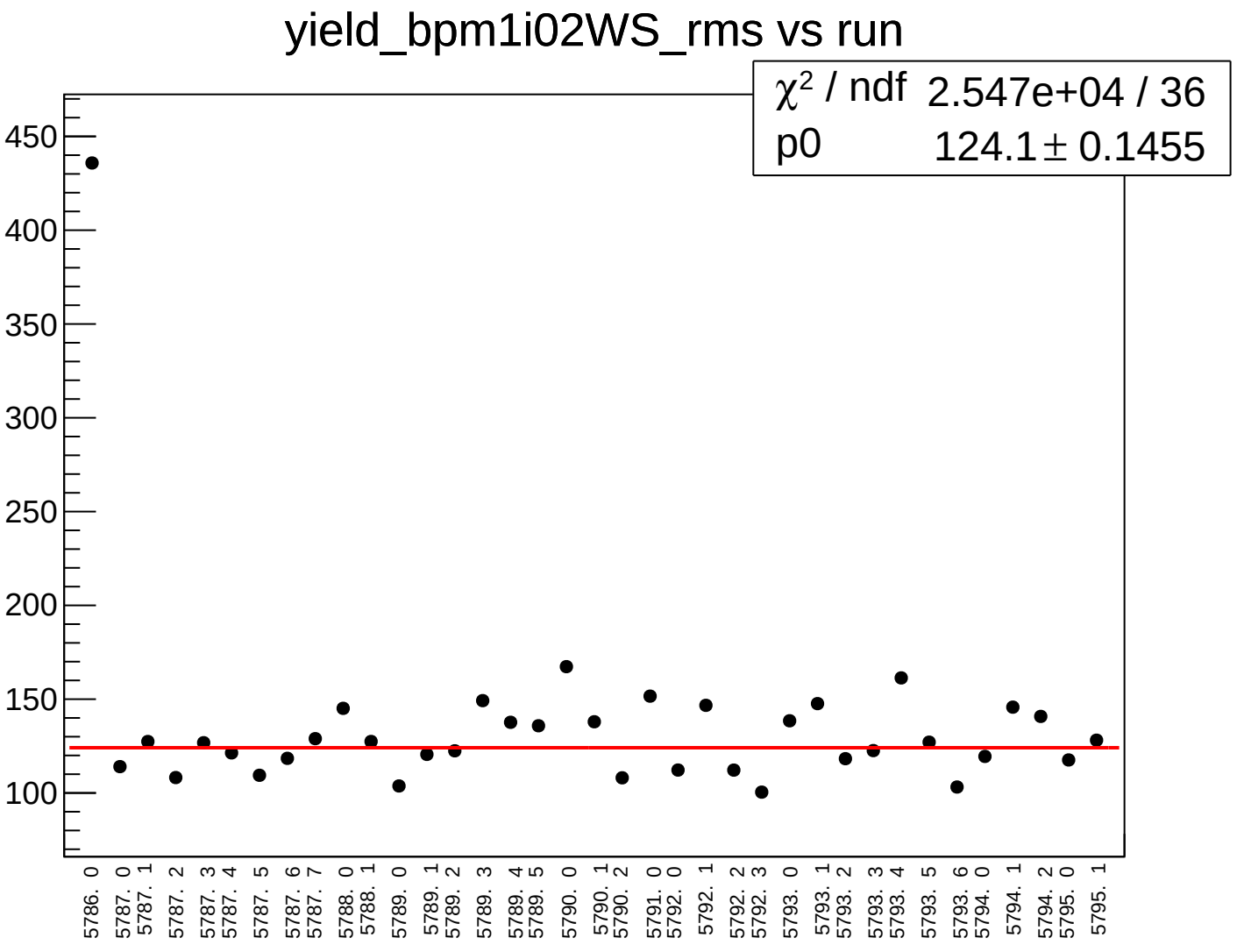

yield_bpm0i07WS_mean vs run
×10^3
χ² / ndf 8.706e+05 / 36
p0 1.523e+05 ± 0.2404
152.8
152.6
152.4
152.2
152
151.8
151.6
151.4
151.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.09
Std Dev 0
400
300
200
100
0
−100
−200
−300

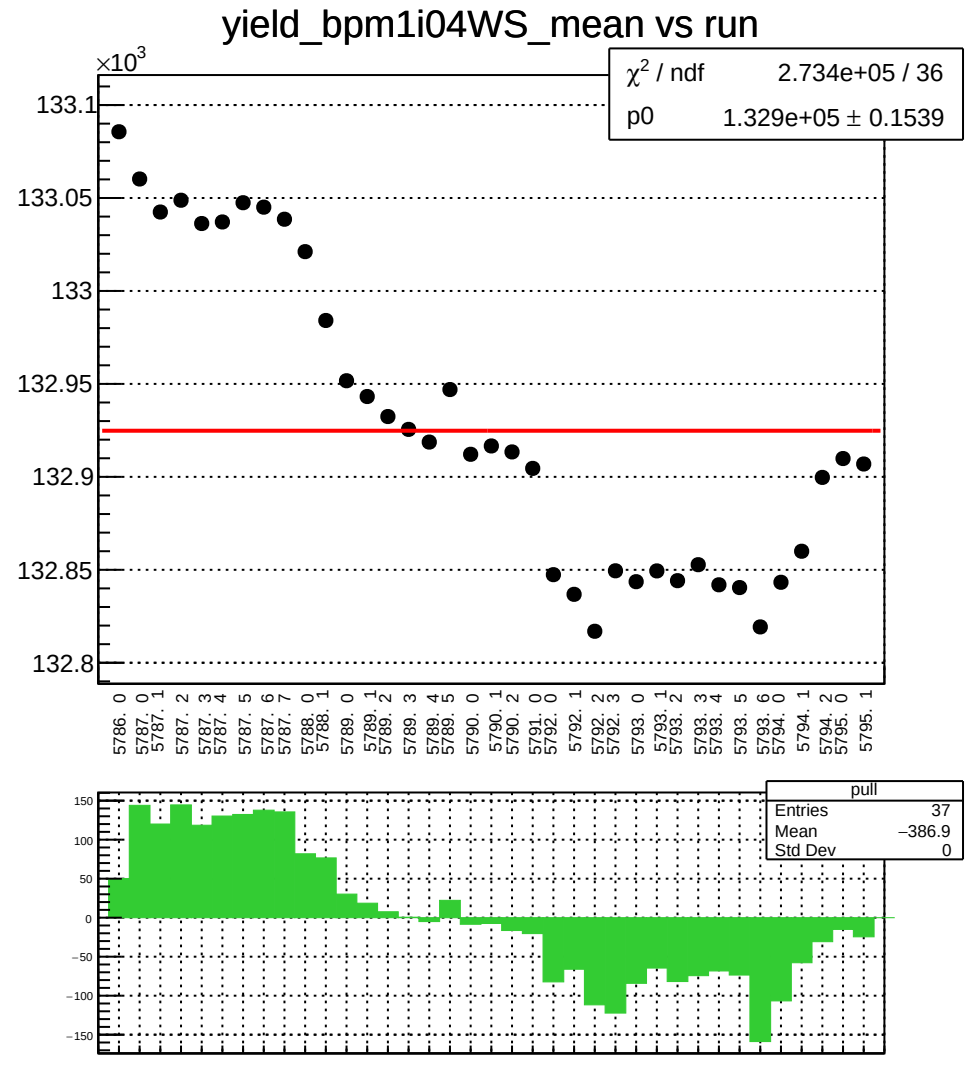

pull1D
Entries 37
Mean 6.869
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

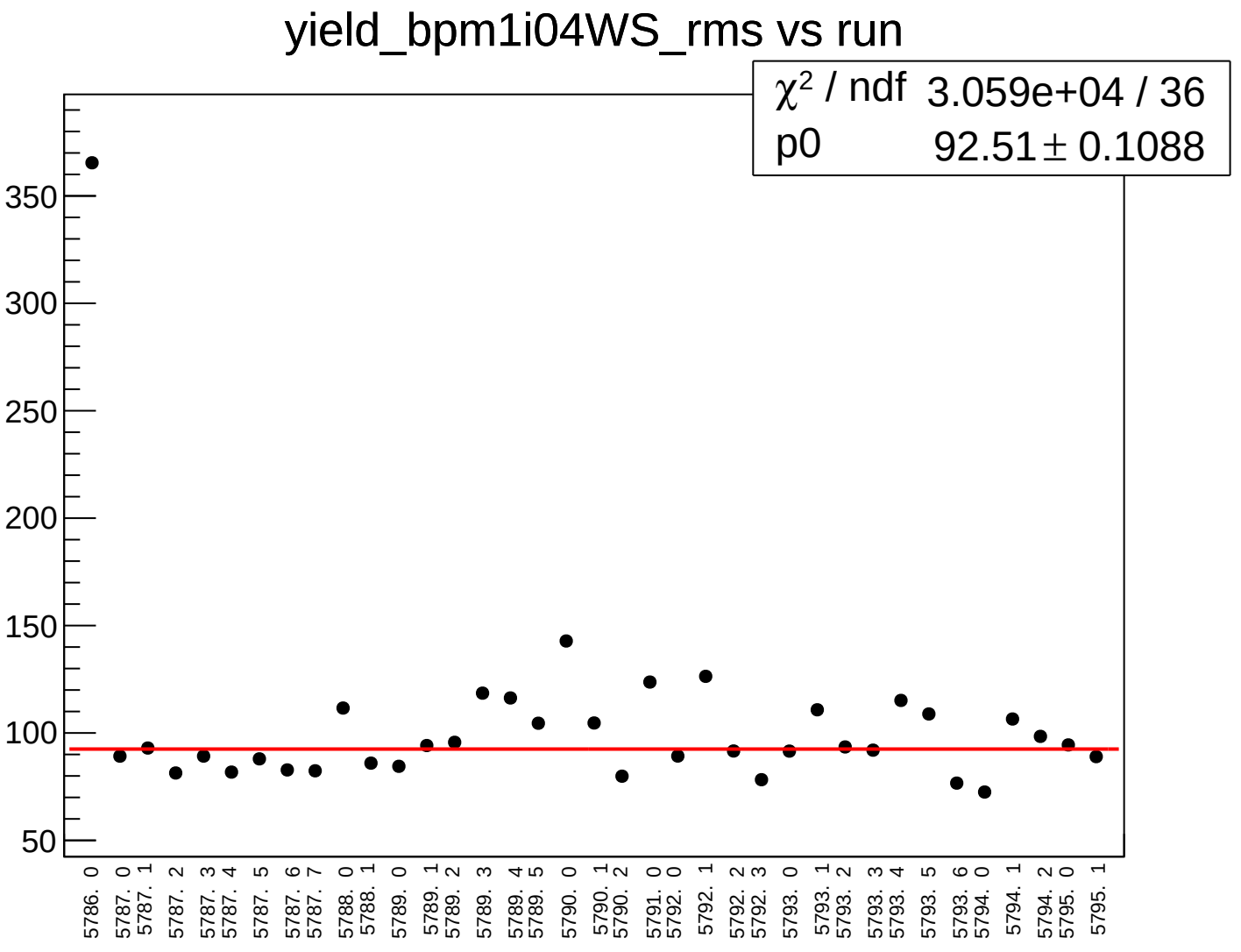

yield_bpm0i07WS_rms vs run
χ² / ndf 1.303e+05 / 36
p0 134.1 ± 0.17
800
700
600
500
400
300
200
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

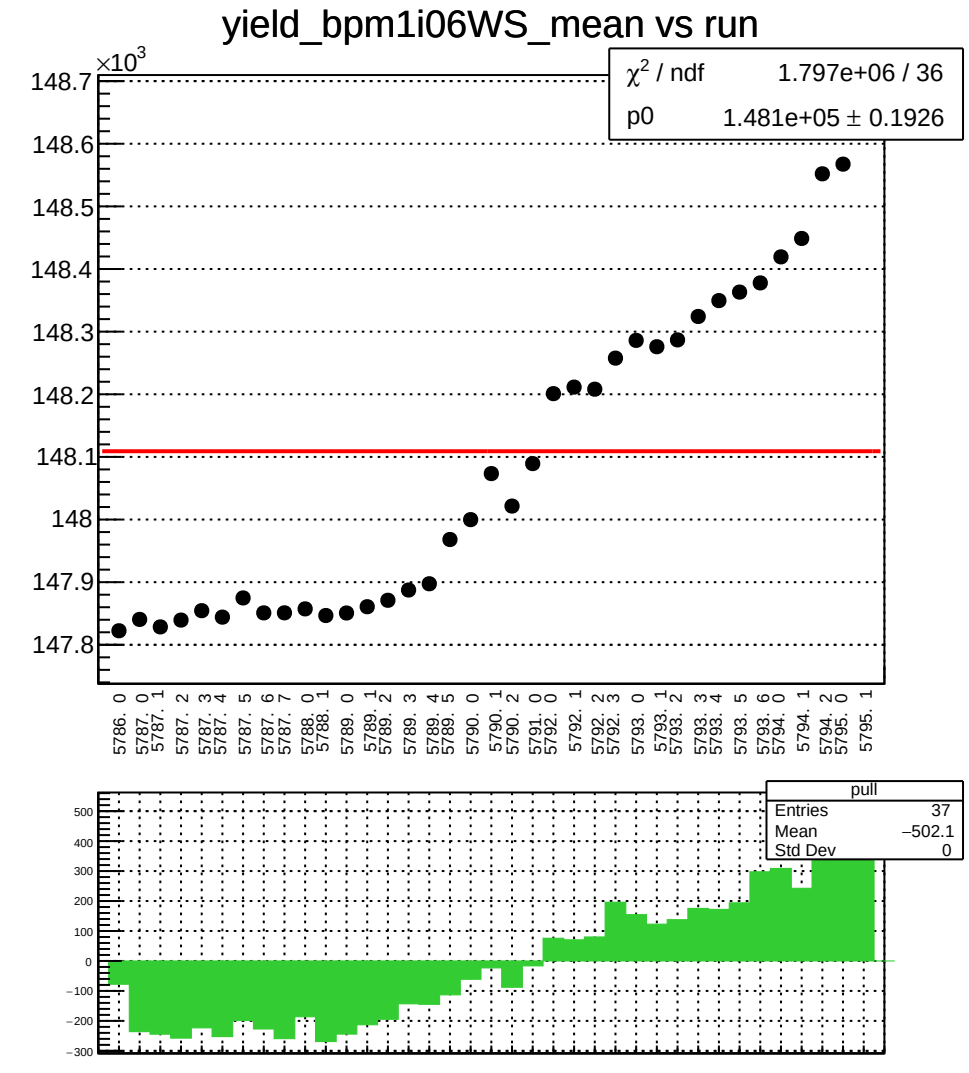

yield_bpm1i02WS_mean vs run
χ² / ndf 3.485e+06 / 36
p0 1.564e+05 ± 0.2058
×10³
157
156.8
156.6
156.4
156.2
156
155.8
pull
Entries 37
Mean −248.3
Std Dev 0
400
200
0
−200
−400

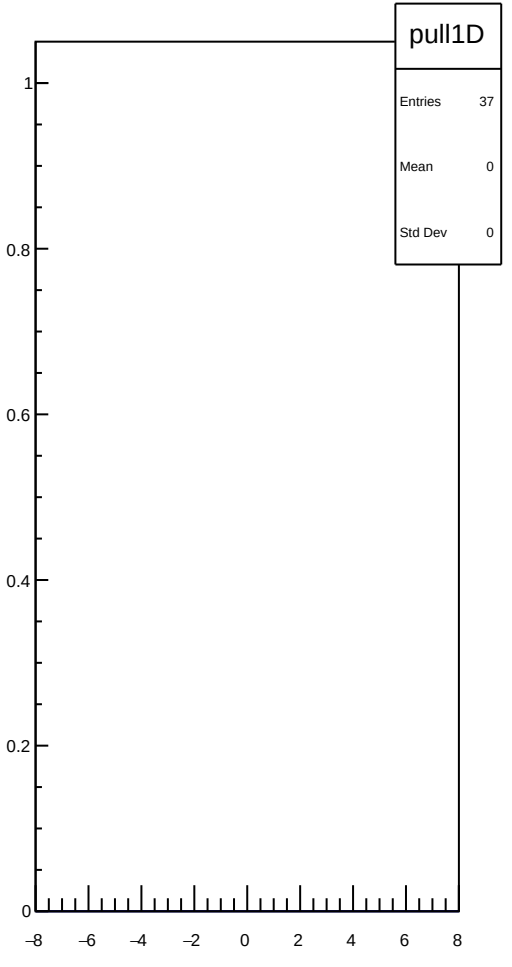

pull1D
Entries 37
Mean −7.429
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

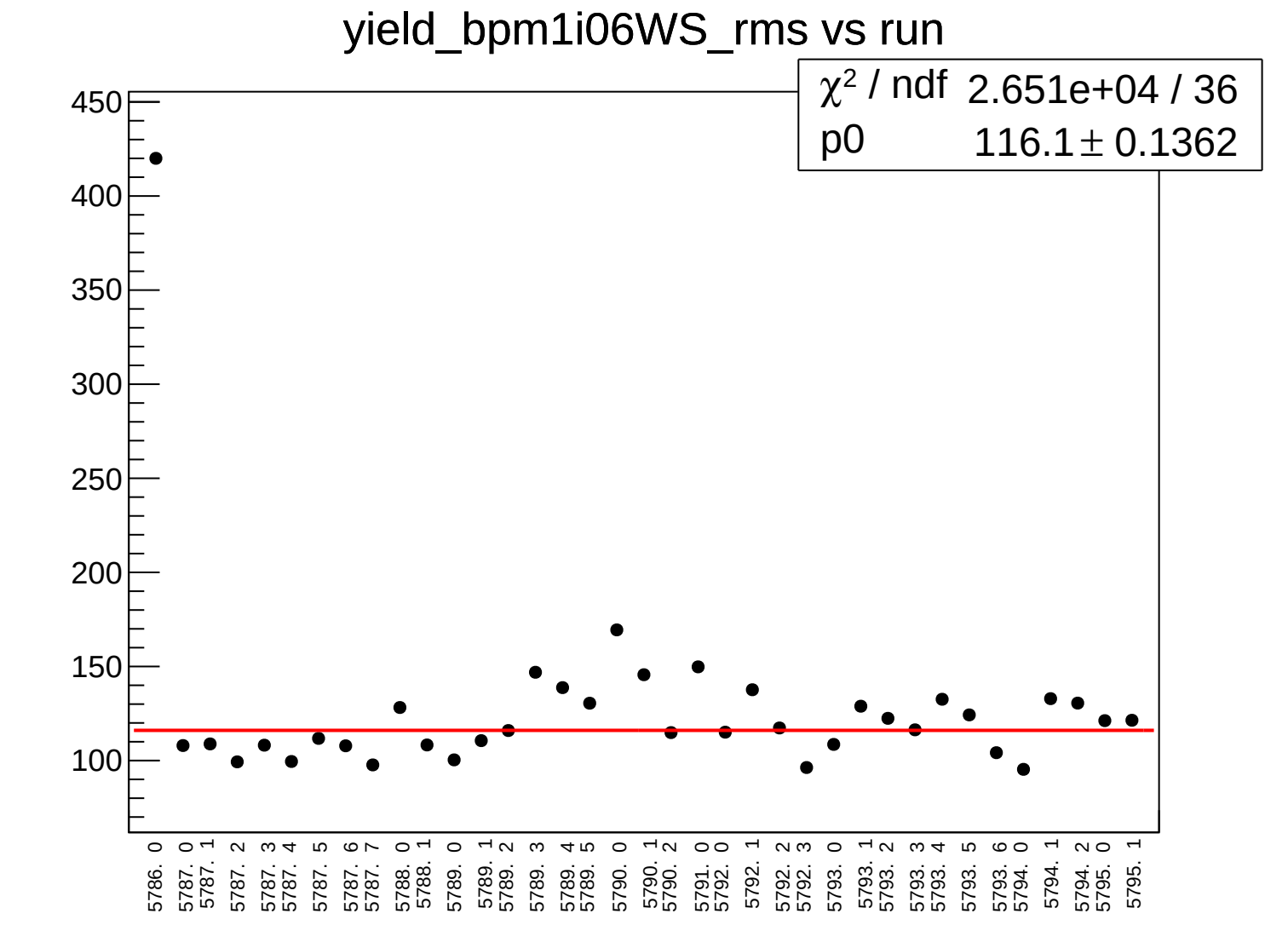

yield_bpm1i02WS_rms vs run
χ² / ndf 2.547e+04 / 36
p0 124.1 ± 0.1455
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

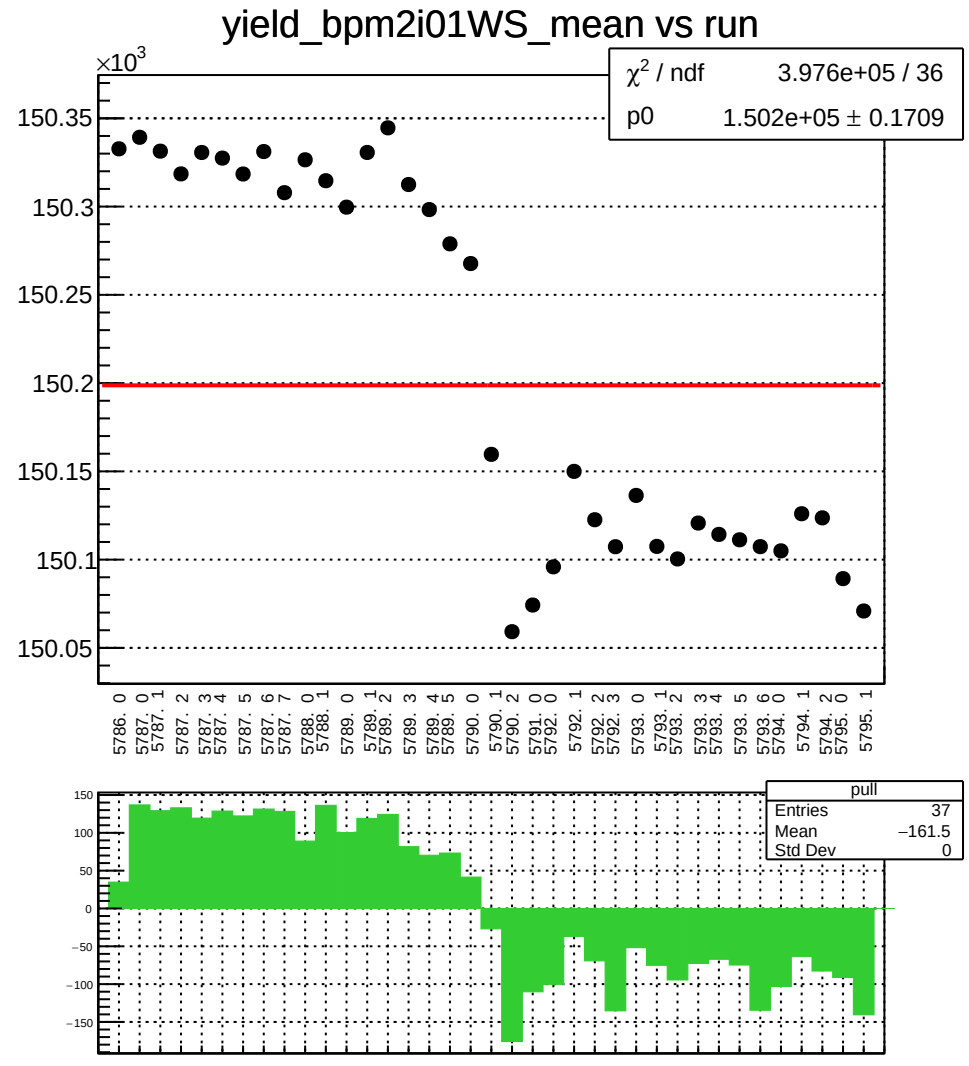

yield_bpm1i04WS_mean vs run
×10^3
χ² / ndf 2.734e+05 / 36
p0 1.329e+05 ± 0.1539
133.1
133.05
133
132.95
132.9
132.85
132.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −386.9
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 37
Mean −1.059
Std Dev 5.767
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

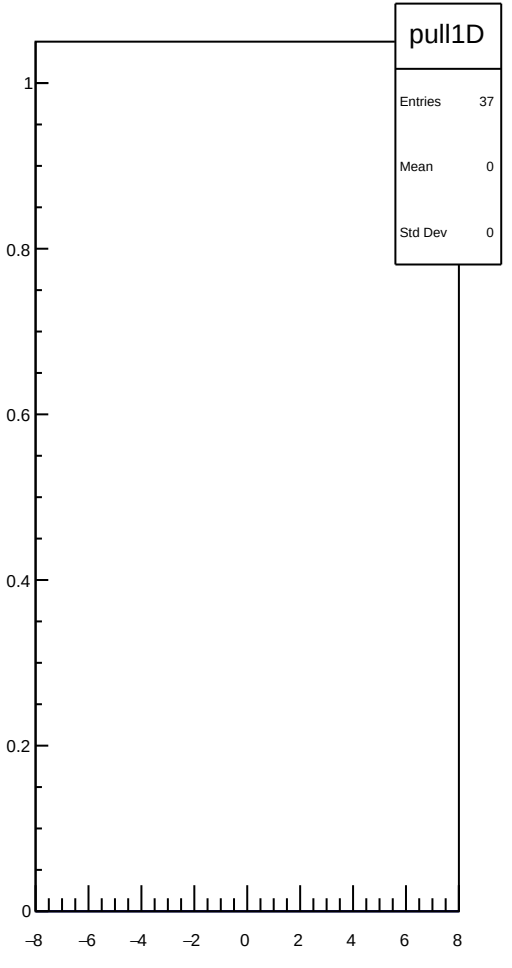

yield_bpm1i04WS_rms vs run
χ² / ndf 3.059e+04 / 36
p0 92.51 ± 0.1088
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

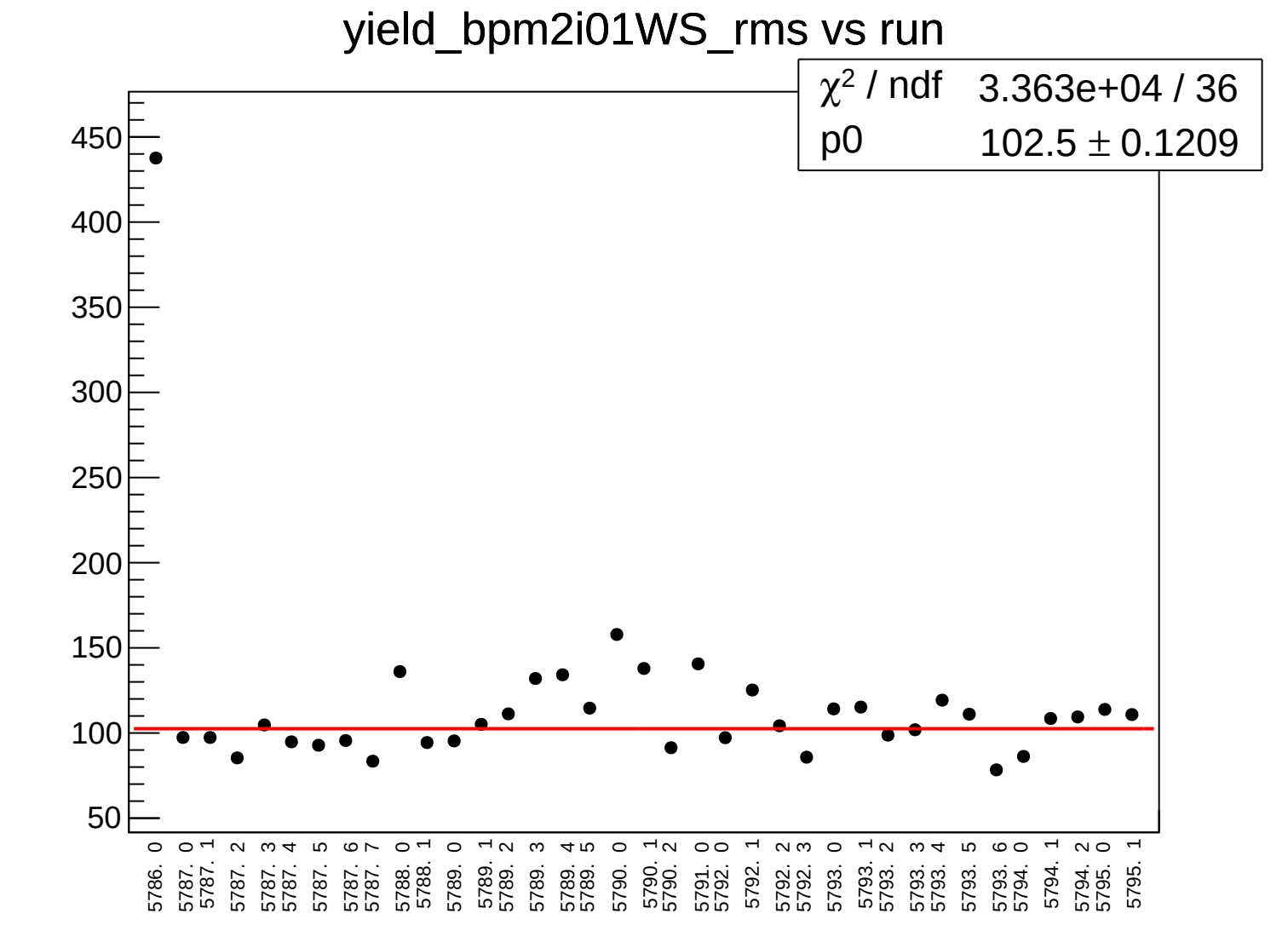

yield_bpm1i06WS_mean vs run
×10^3
χ² / ndf 1.797e+06 / 36
p0 1.481e+05 ± 0.1926
148.7
148.6
148.5
148.4
148.3
148.2
148.1
148
147.9
147.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −502.1
Std Dev 0
500
400
300
200
100
0
−100
−200
−300

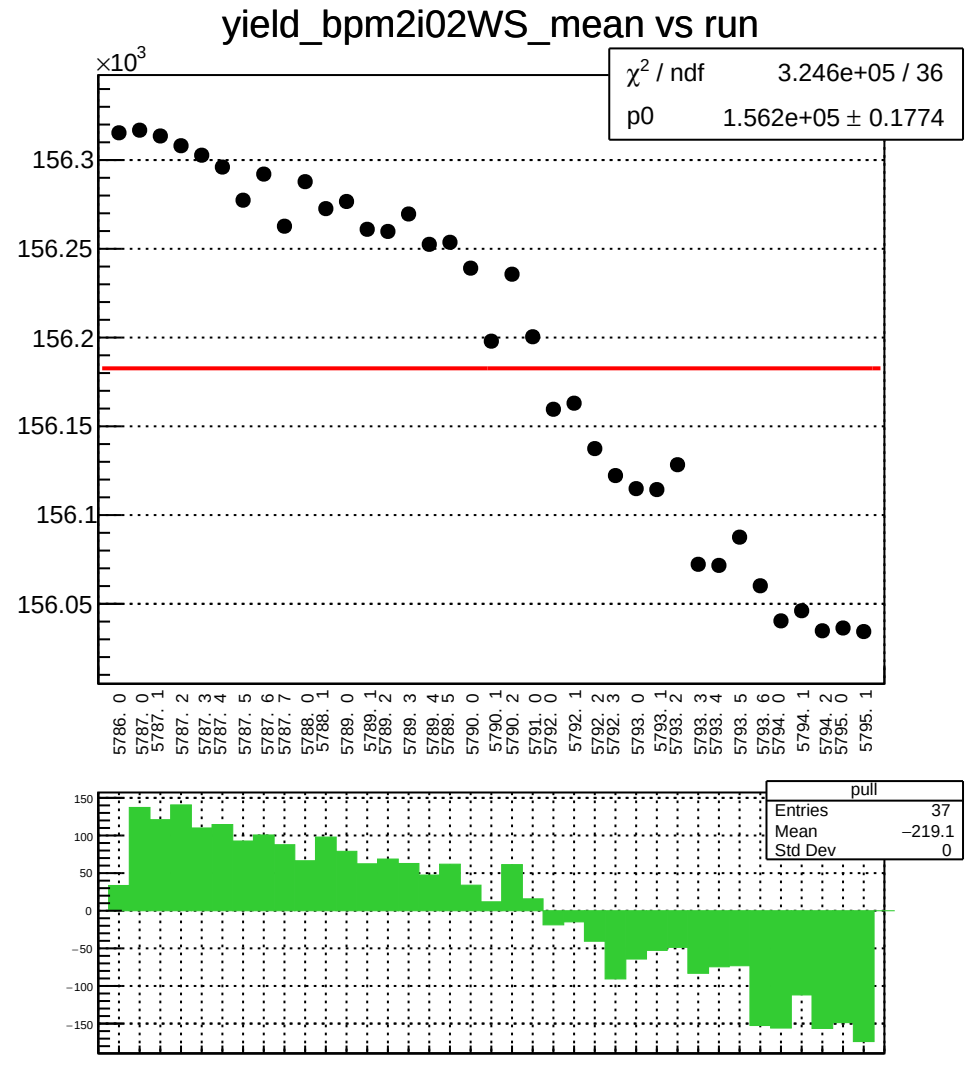

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

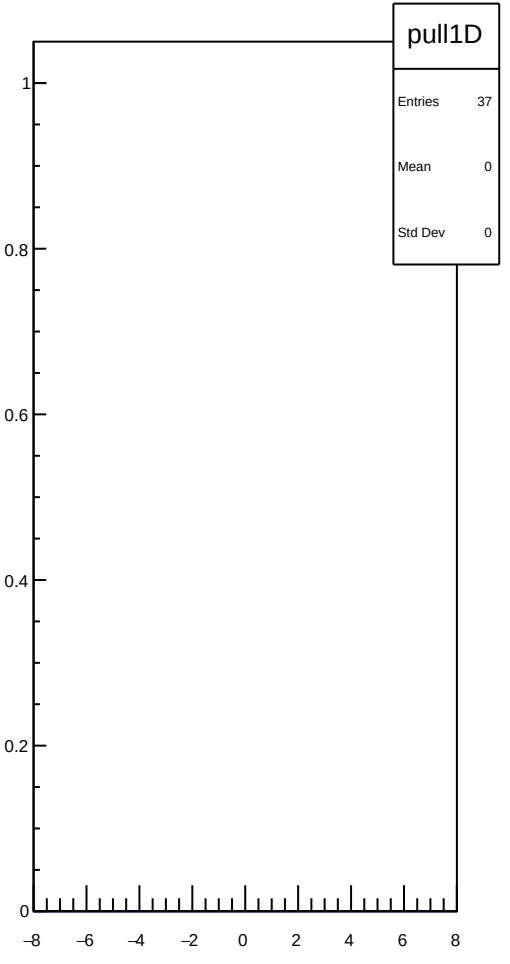

yield_bpm1i06WS_rms vs run
χ² / ndf 2.651e+04 / 36
p0 116.1 ± 0.1362
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

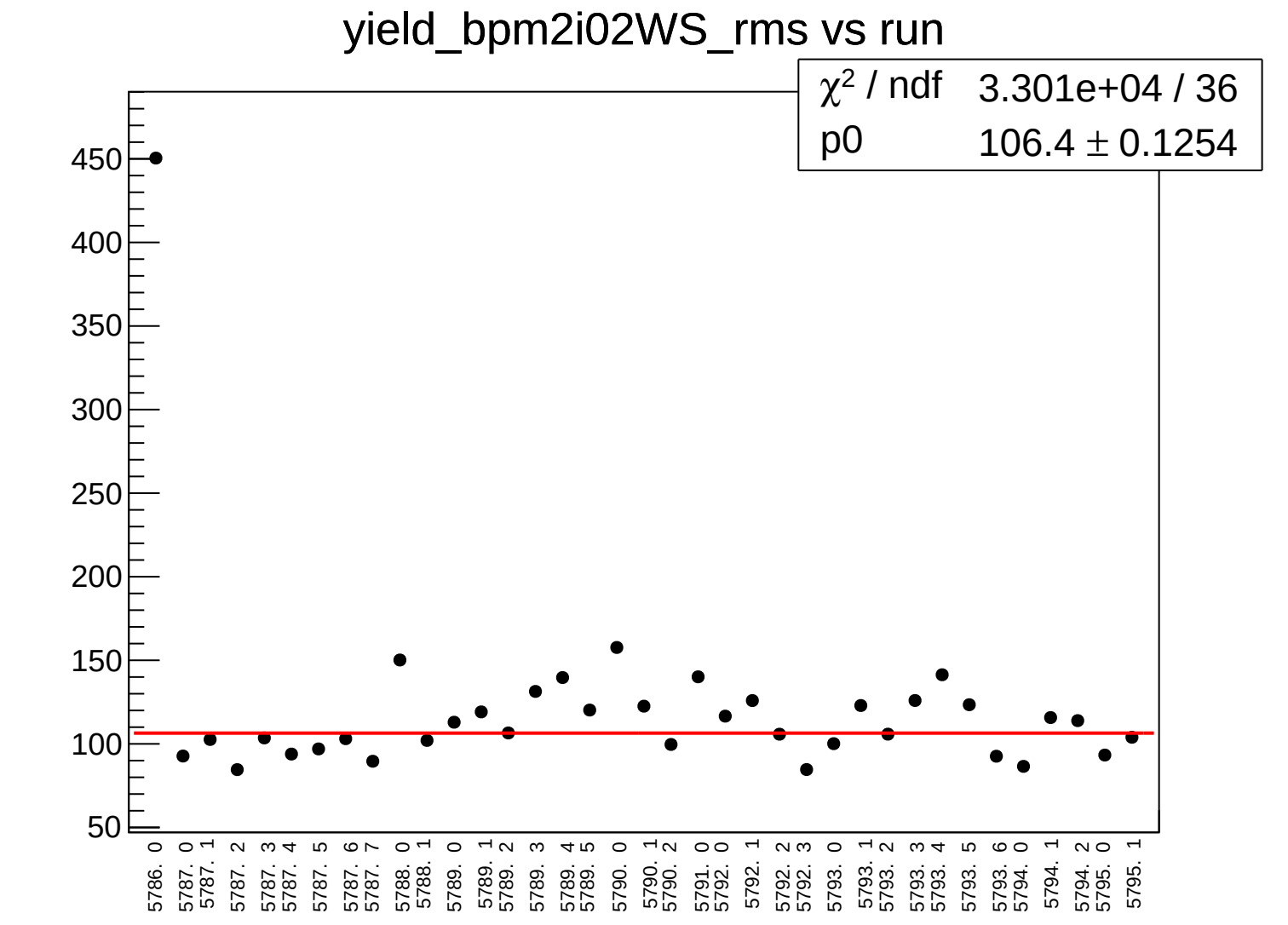

yield_bpm2i01WS_mean vs run
×10^3
χ² / ndf 3.976e+05 / 36
p0 1.502e+05 ± 0.1709
150.35
150.3
150.25
150.2
150.15
150.1
150.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −161.5
Std Dev 0
150
100
50
0
−50
−100
−150

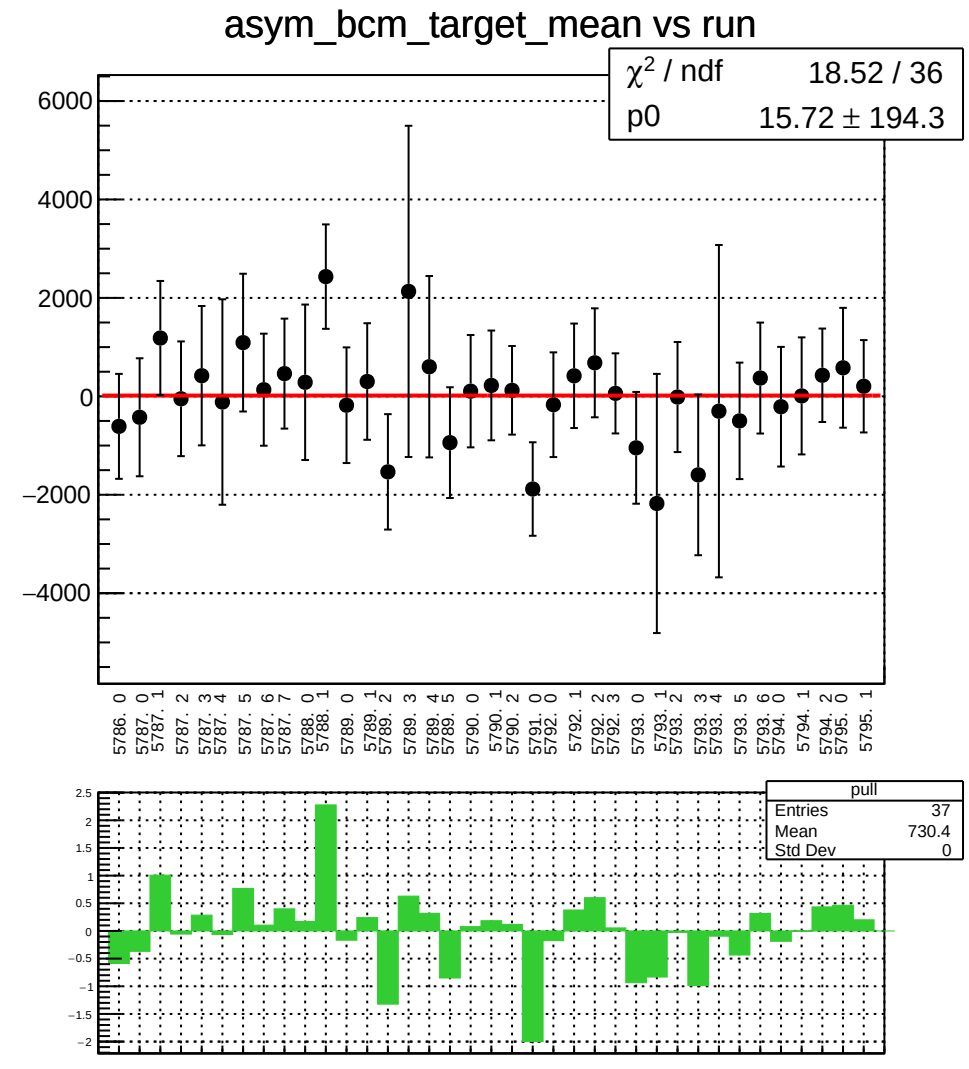

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

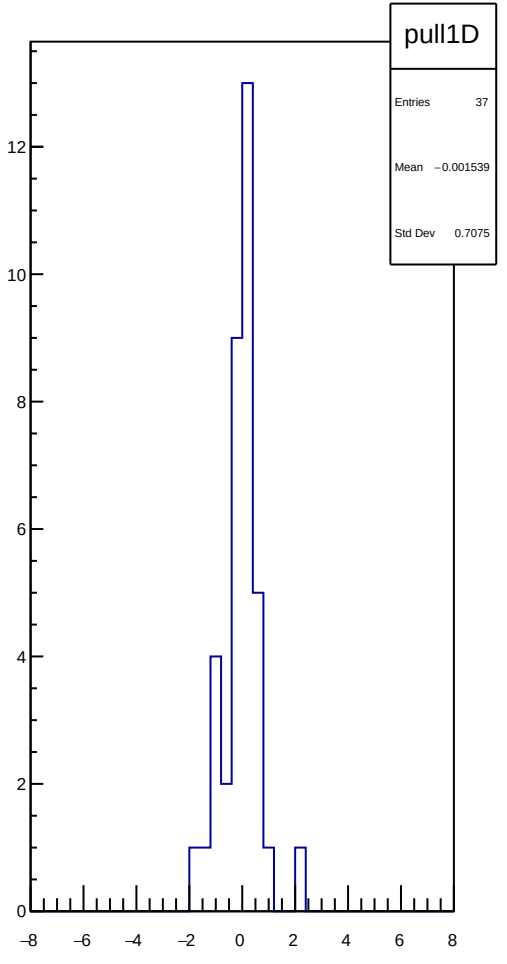

yield_bpm2i01WS_rms vs run
χ² / ndf 3.363e+04 / 36
p0 102.5 ± 0.1209
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

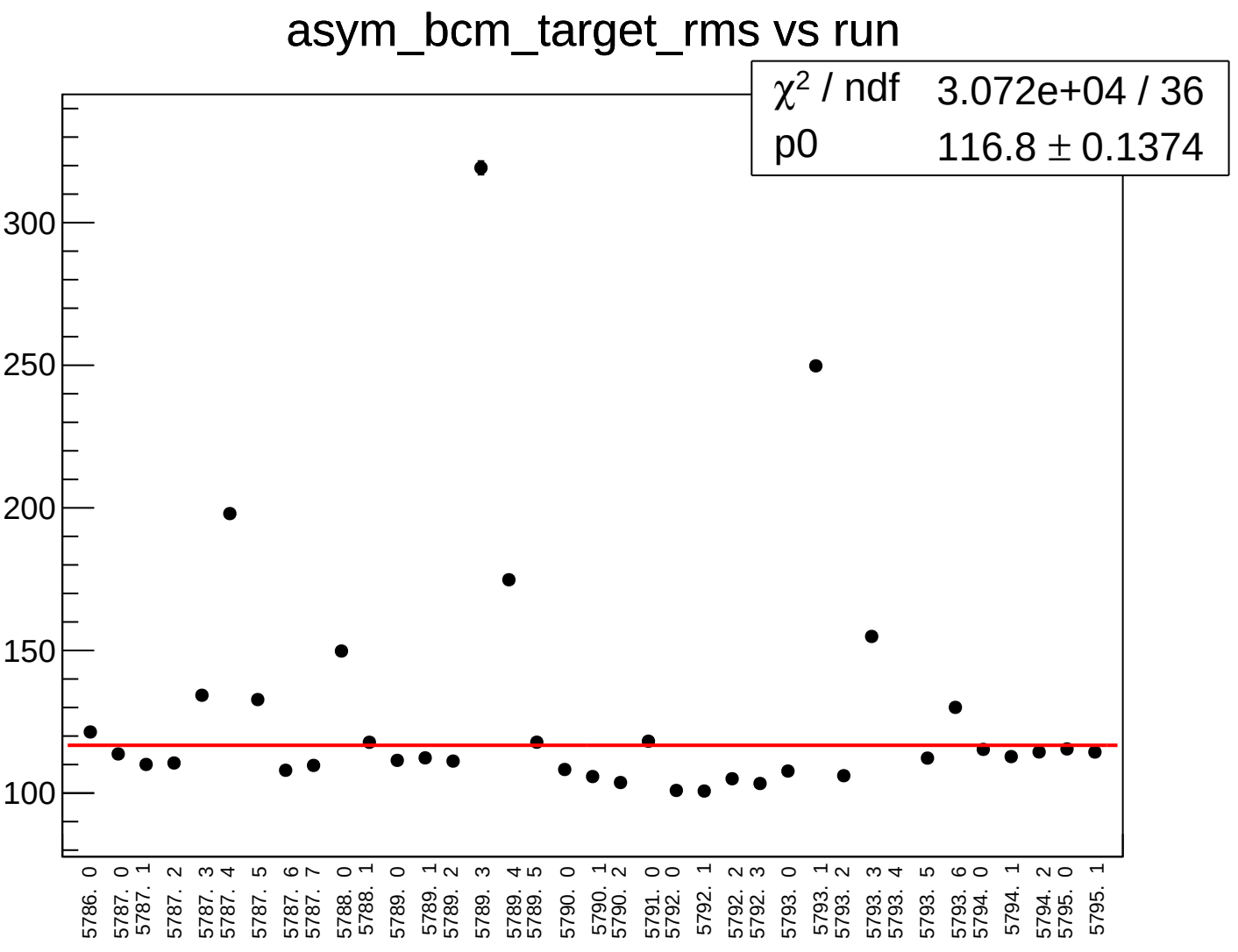

yield_bpm2i02WS_mean vs run
×10^3
χ² / ndf 3.246e+05 / 36
p0 1.562e+05 ± 0.1774
156.3
156.25
156.2
156.15
156.1
156.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −219.1
Std Dev 0
150
100
50
0
−50
−100
−150

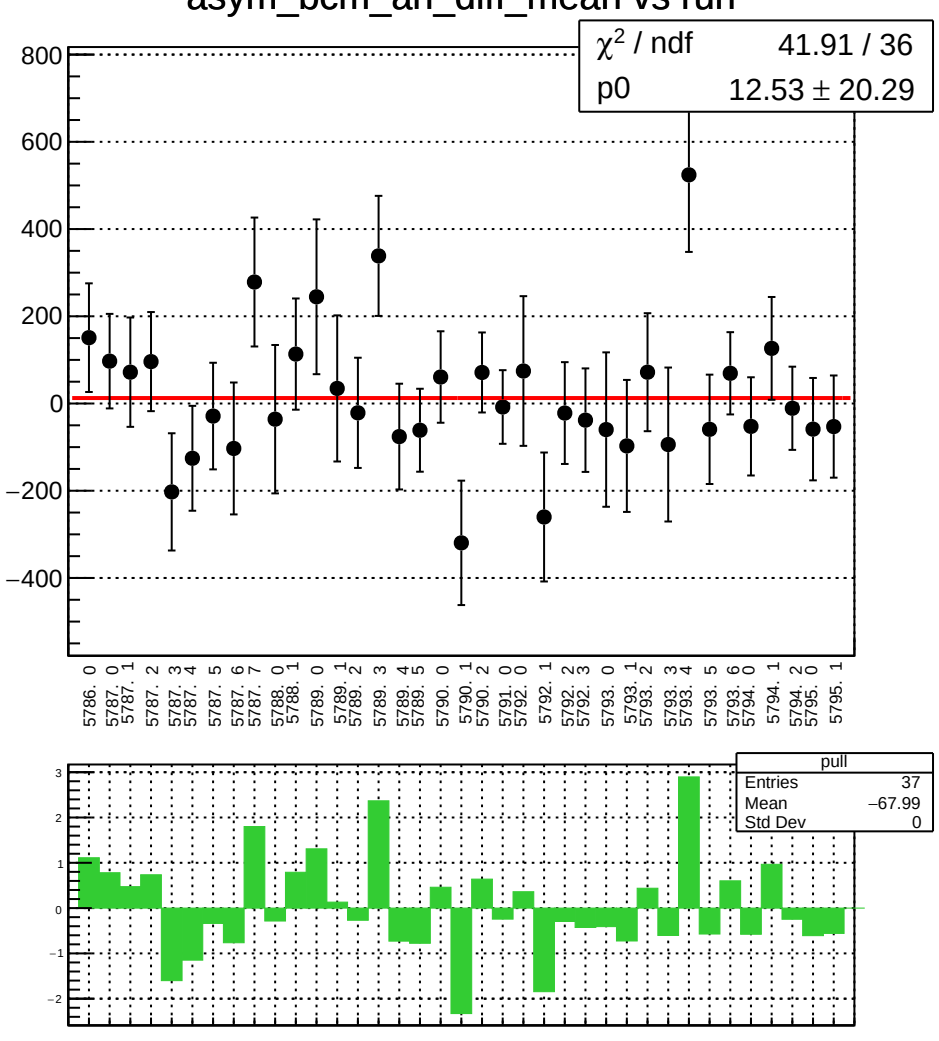

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

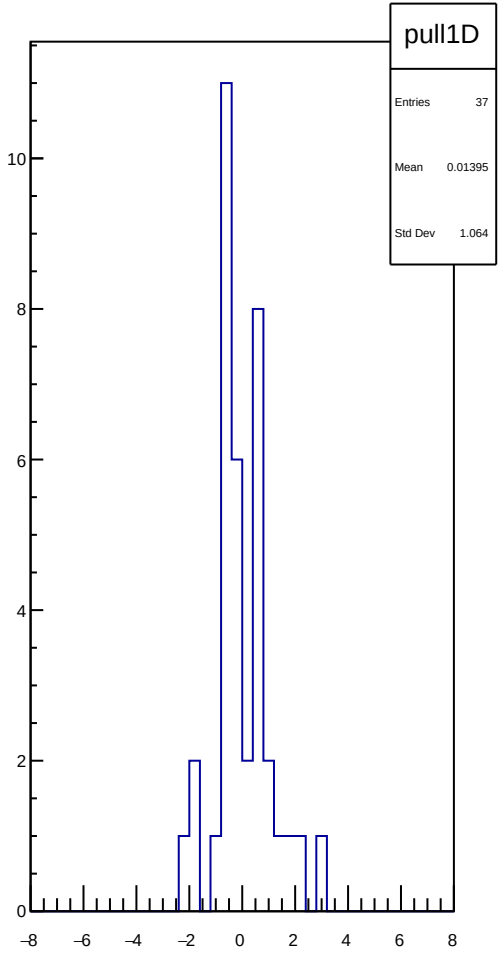

yield_bpm2i02WS_rms vs run
χ² / ndf 3.301e+04 / 36
p0 106.4 ± 0.1254
450
400
350
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

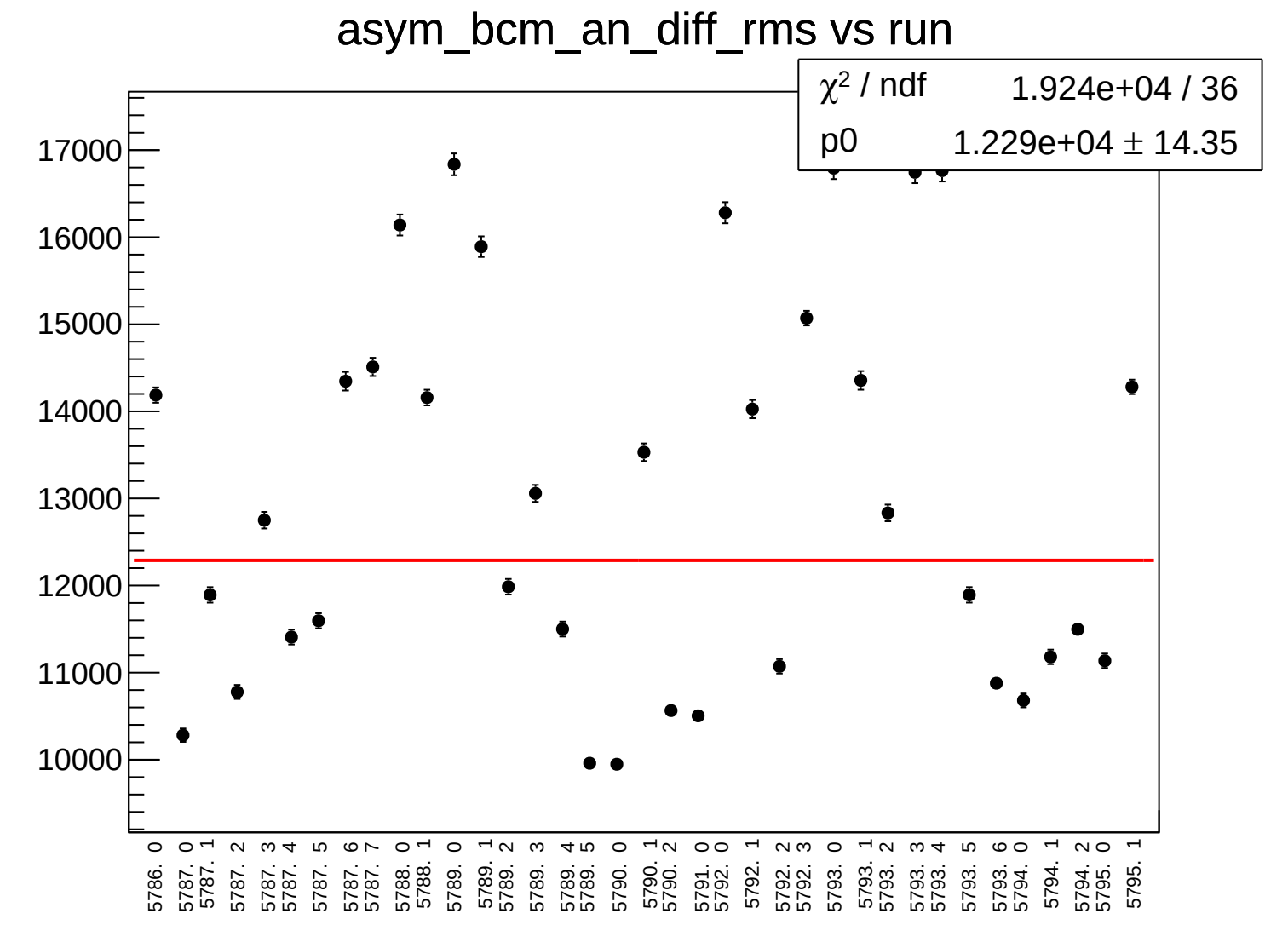

asym_bcm_target_mean vs run
χ² / ndf 18.52 / 36
p0 15.72 ± 194.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 730.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

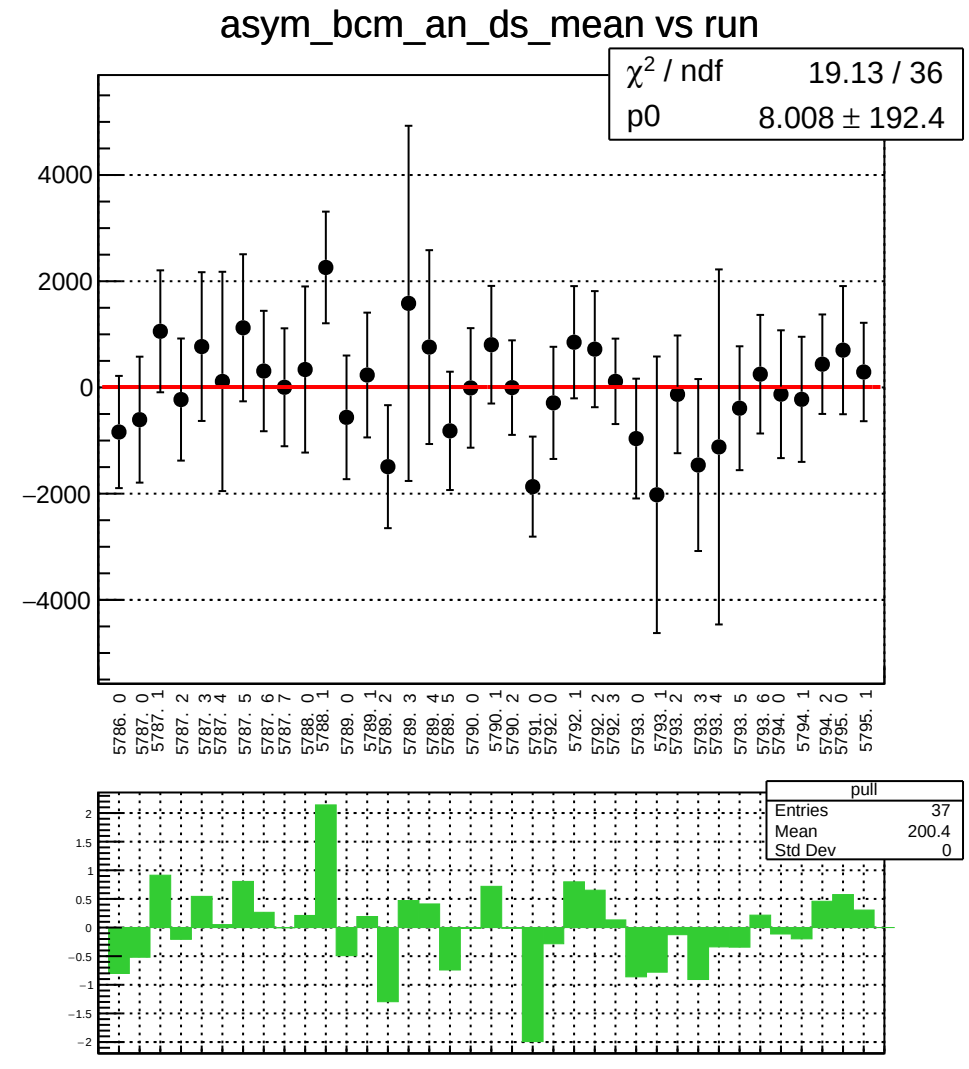

pull1D
Entries 37
Mean −0.001539
Std Dev 0.7075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

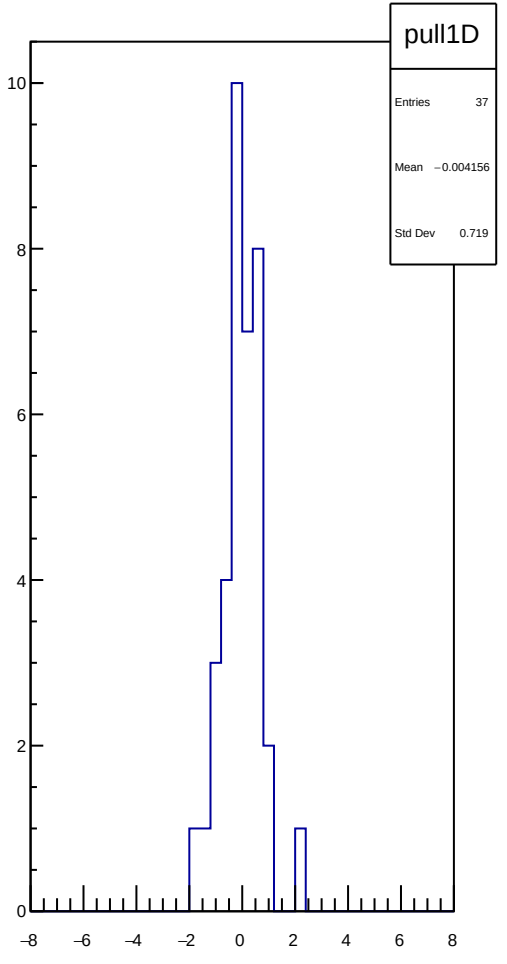

asym_bcm_target_rms vs run
χ2 / ndf 3.072e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

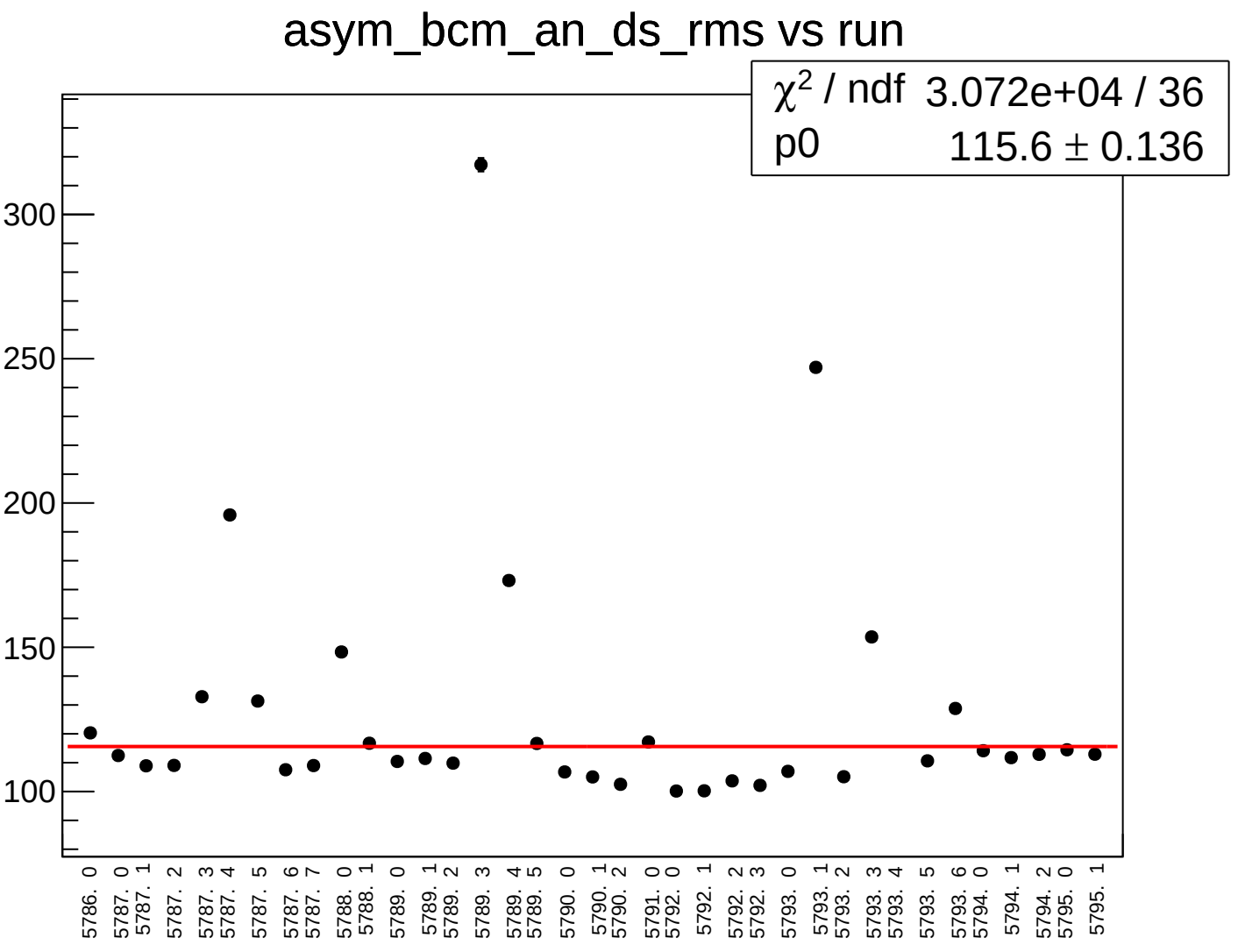

asym_bcm_an_diff_mean vs run
χ^2 / ndf 41.91 / 36
p0 12.53 ± 20.29
800
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.99
Std Dev 0
3
2
1
0
−1
−2

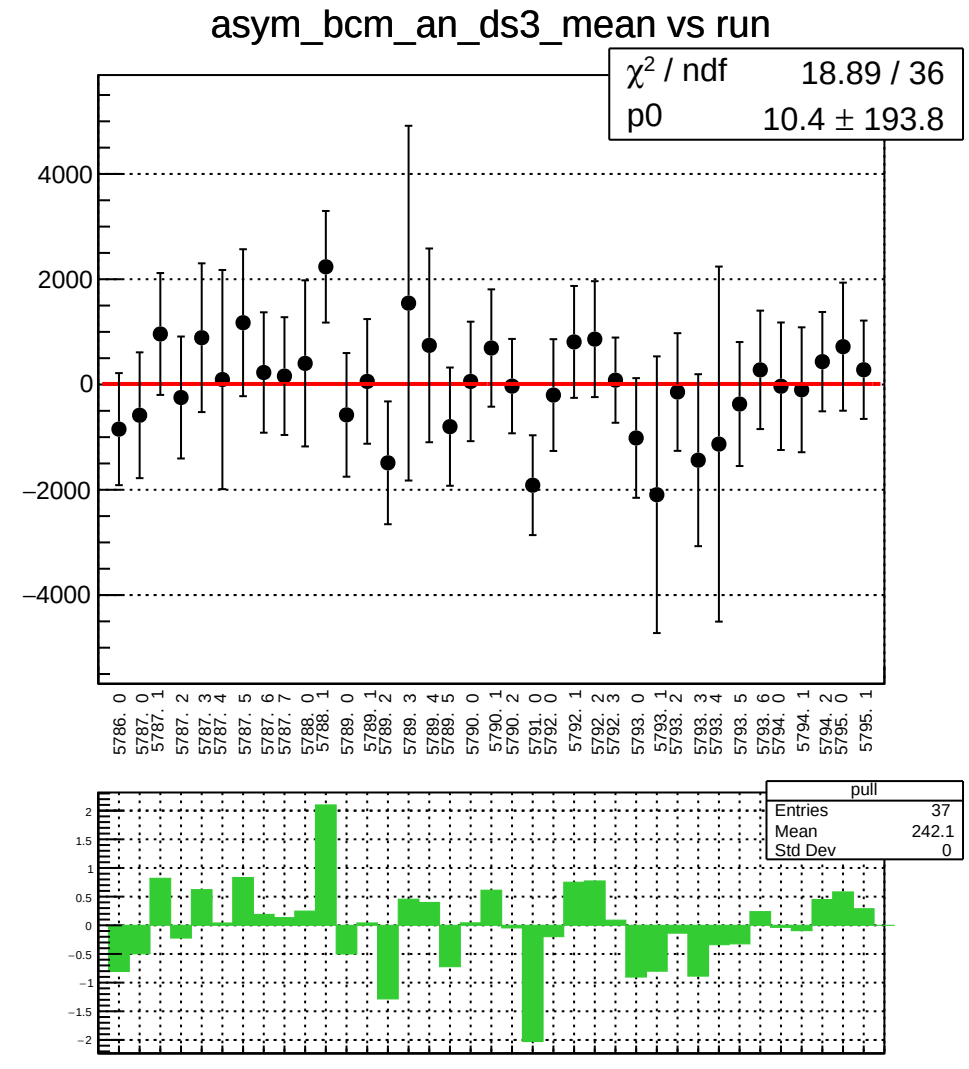

pull1D
Entries 37
Mean 0.01395
Std Dev 1.064
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

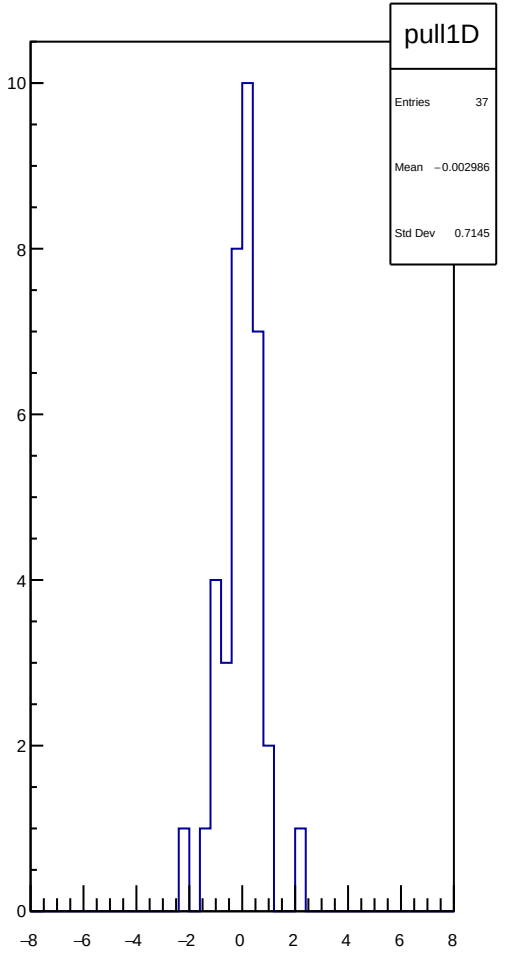

asym_bcm_an_diff_rms vs run
χ² / ndf 1.924e+04 / 36
p0 1.229e+04 ± 14.35
17000
16000
15000
14000
13000
12000
11000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

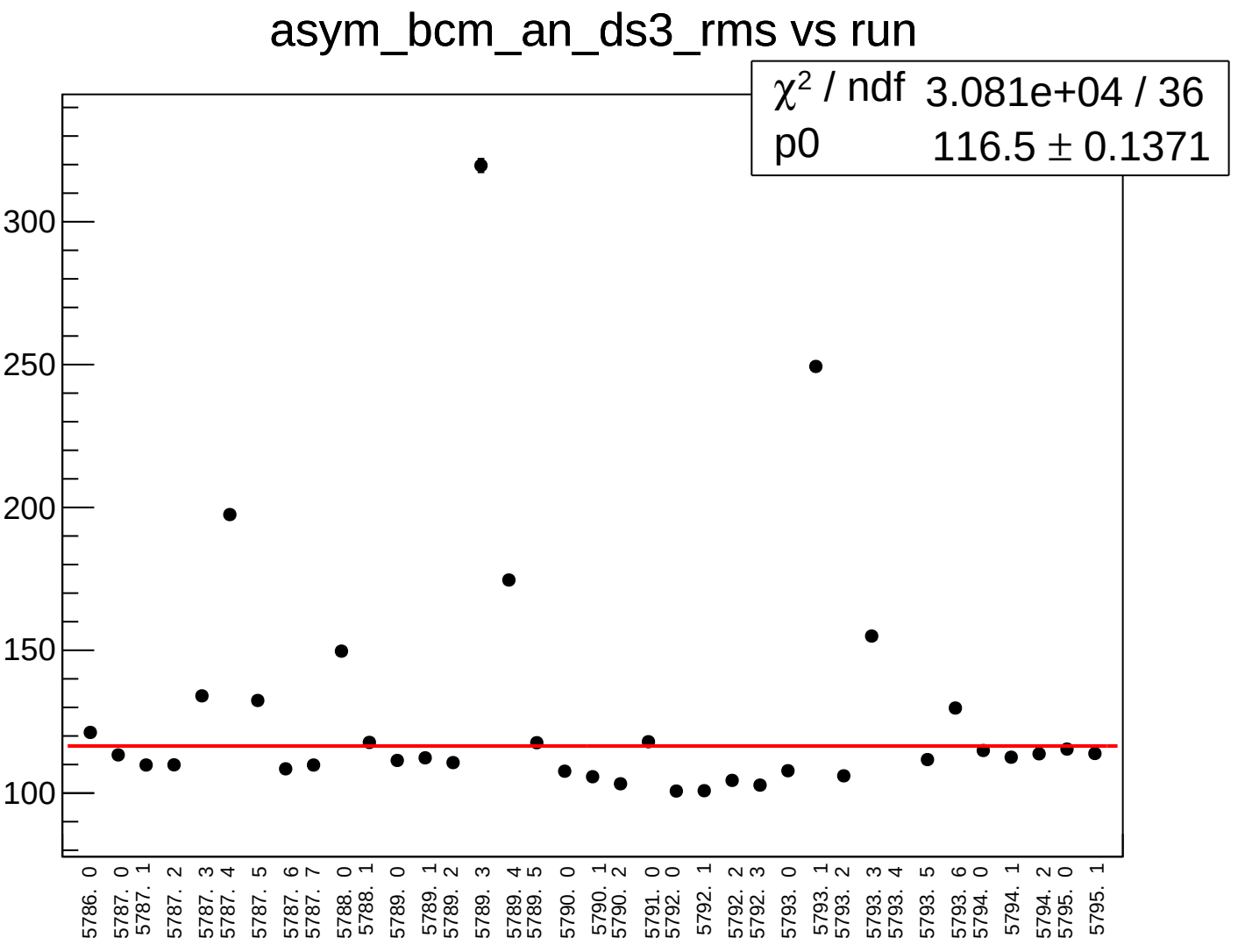

asym_bcm_an_ds_mean vs run
χ² / ndf 19.13 / 36
p0 8.008 ± 192.4
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 200.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

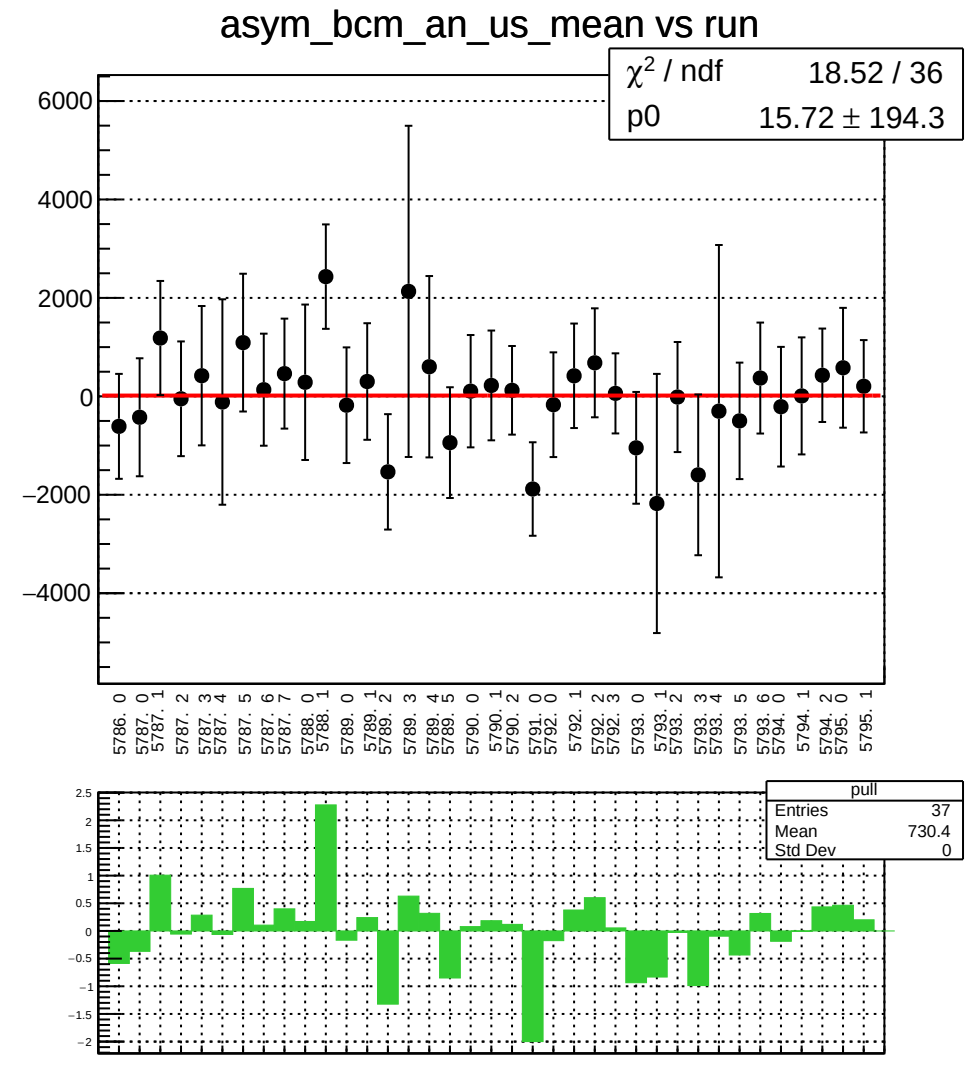

pull1D
Entries 37
Mean −0.004156
Std Dev 0.719
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

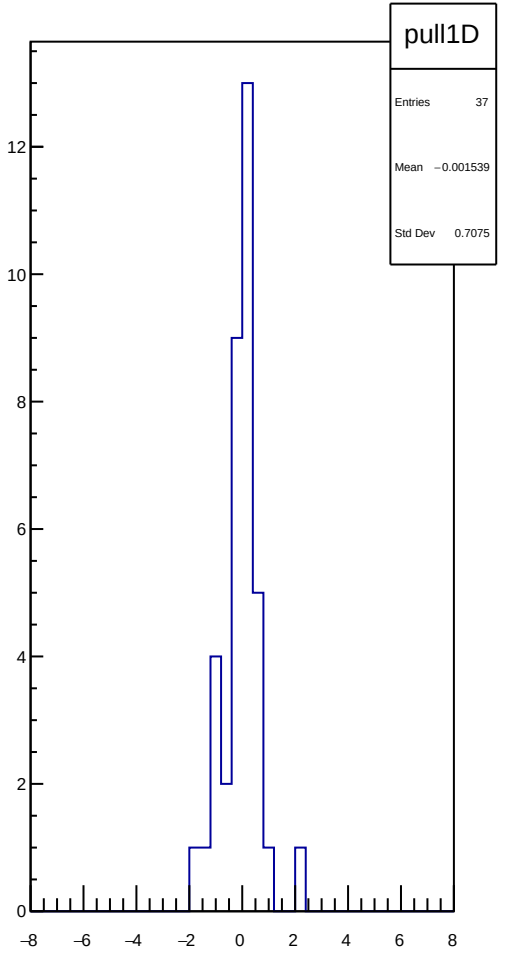

asym_bcm_an_ds_rms vs run
χ² / ndf 3.072e+04 / 36
p0 115.6 ± 0.136
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

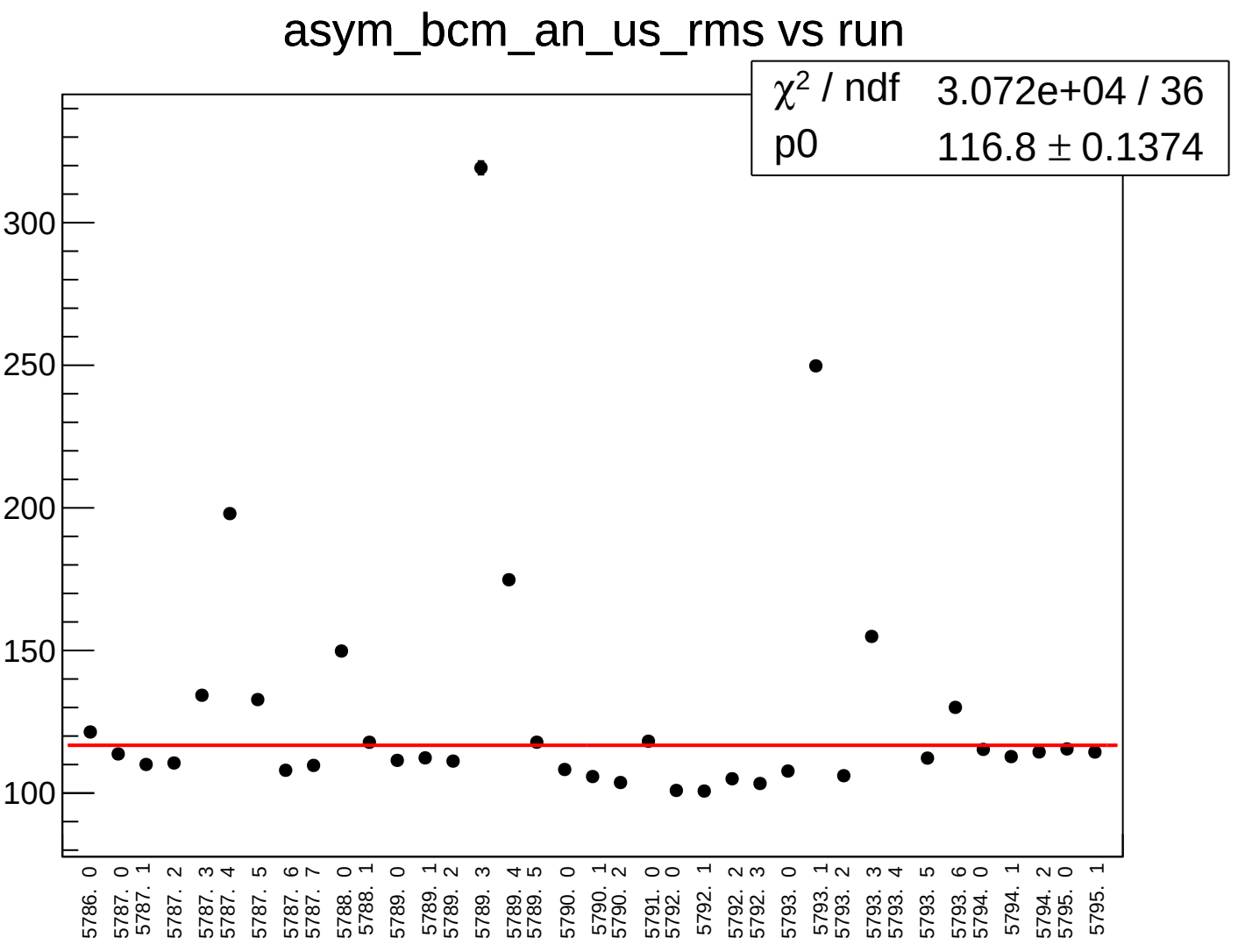

asym_bcm_an_ds3_mean vs run
χ² / ndf 18.89 / 36
p0 10.4 ± 193.8
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 242.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

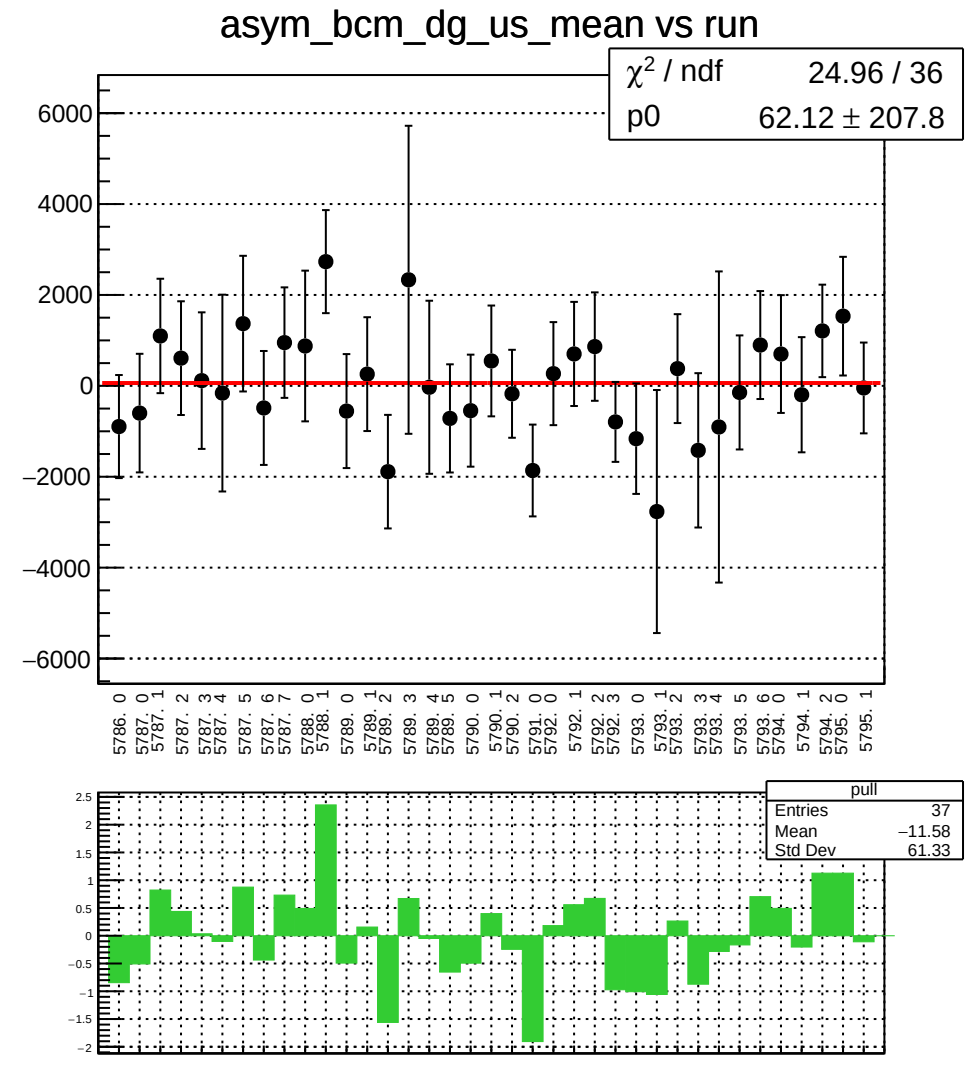

pull1D
Entries 37
Mean −0.002986
Std Dev 0.7145
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

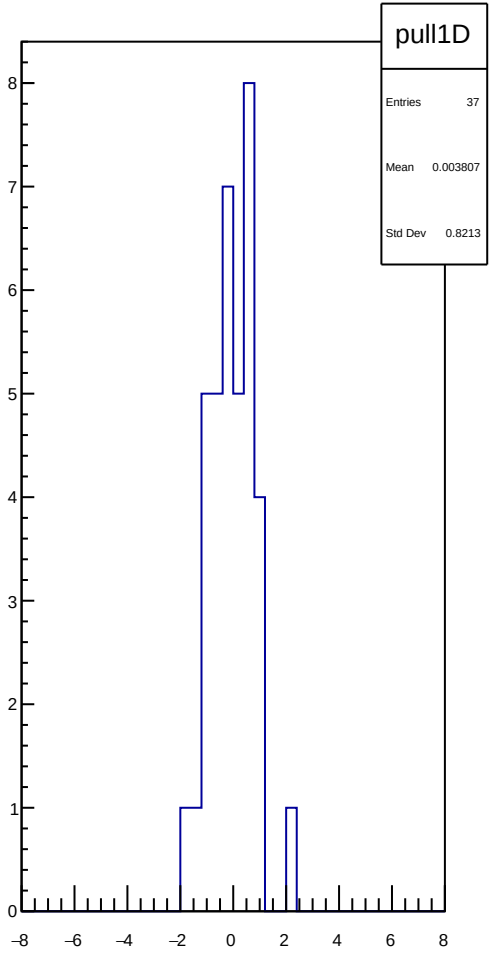

asym_bcm_an_ds3_rms vs run
χ² / ndf 3.081e+04 / 36
p0 116.5 ± 0.1371
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

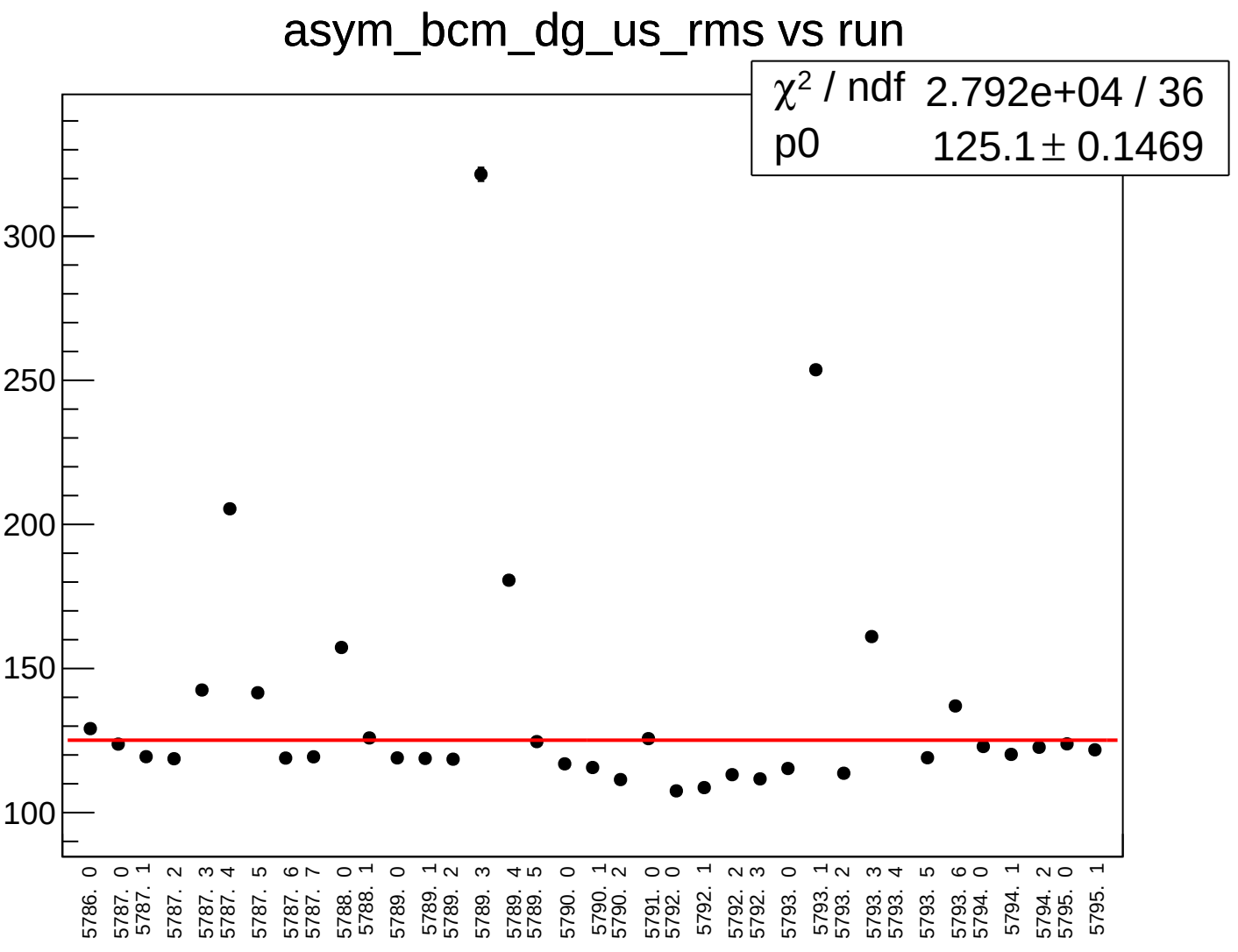

asym_bcm_an_us_mean vs run
χ² / ndf 18.52 / 36
p0 15.72 ± 194.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 730.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

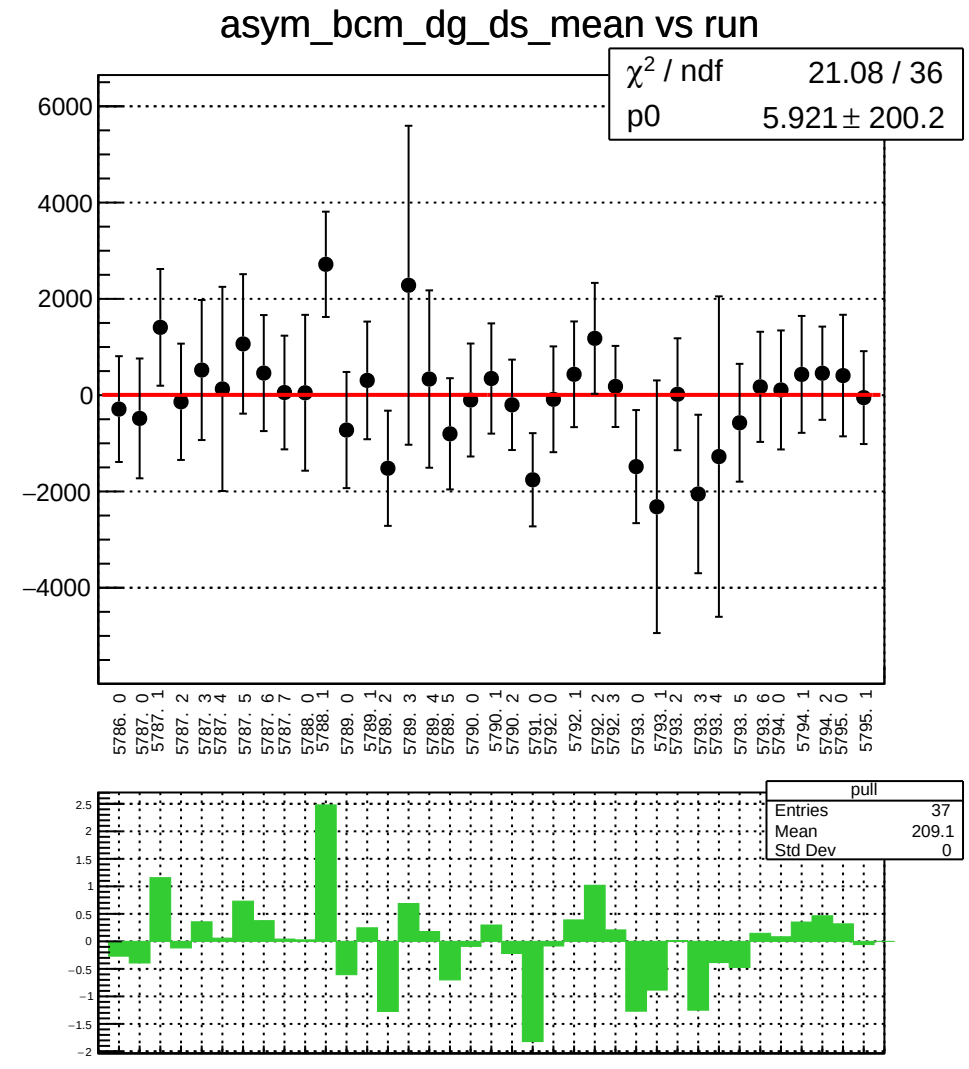

pull1D
Entries 37
Mean −0.001539
Std Dev 0.7075
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

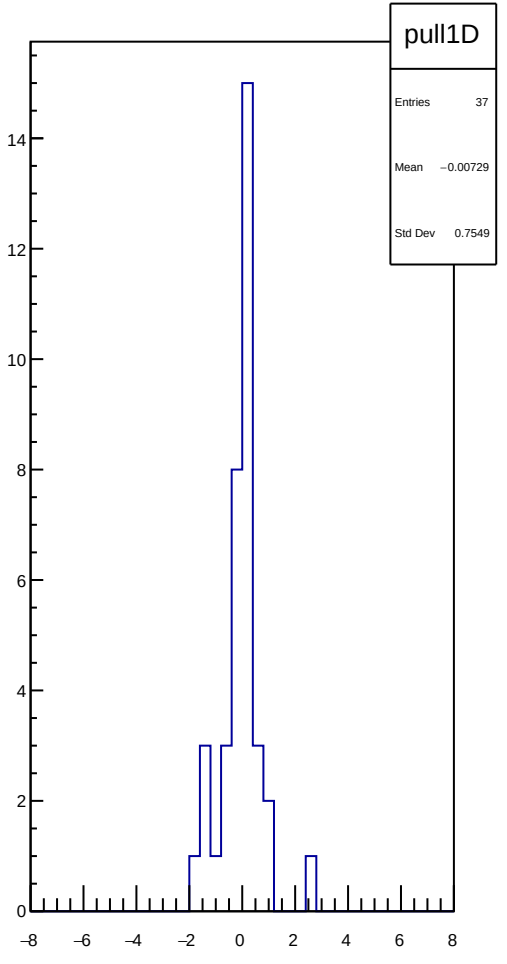

asym_bcm_an_us_rms vs run
χ² / ndf 3.072e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

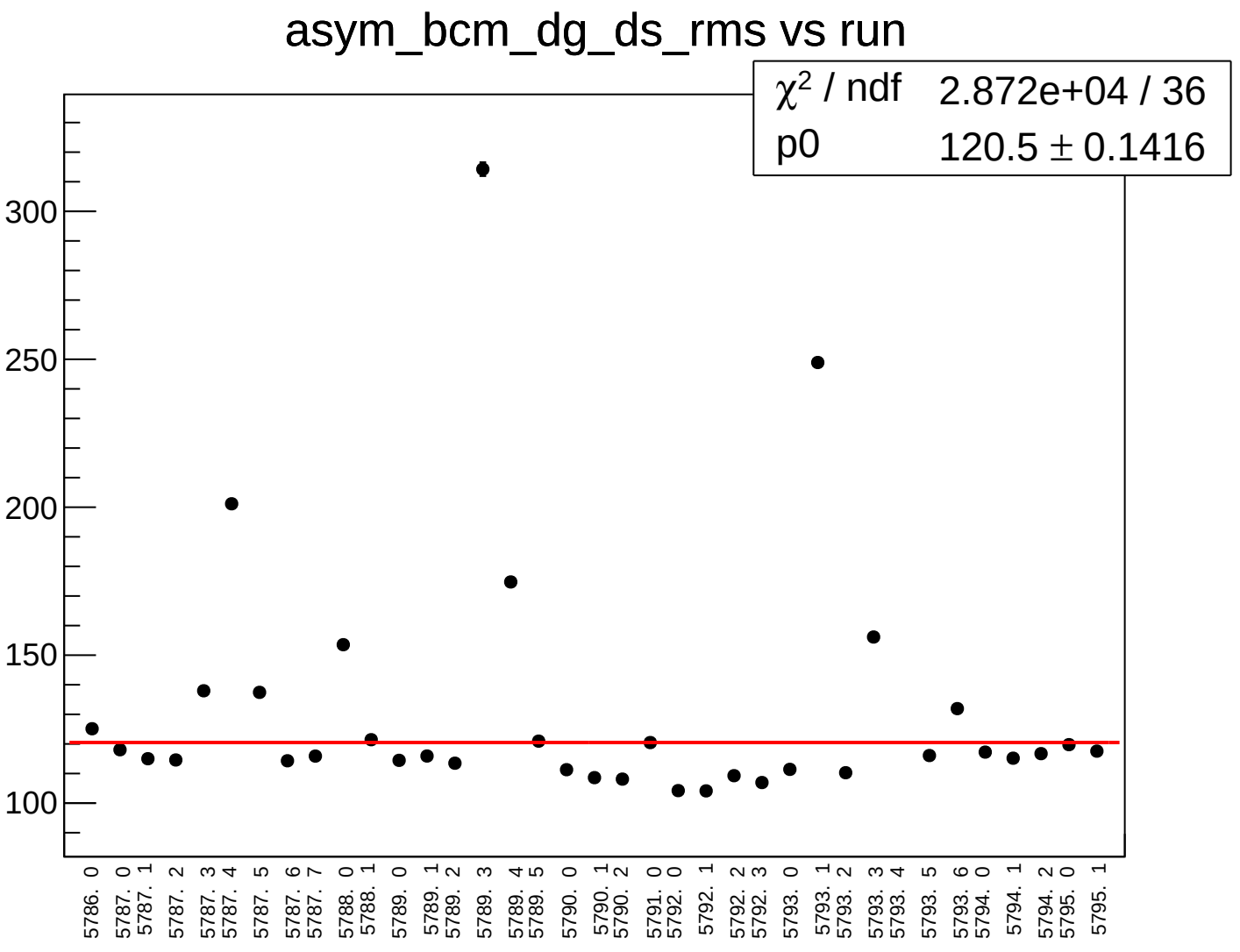

asym_bcm_dg_us_mean vs run
χ² / ndf 24.96 / 36
p0 62.12 ± 207.8
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.58
Std Dev 61.33
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

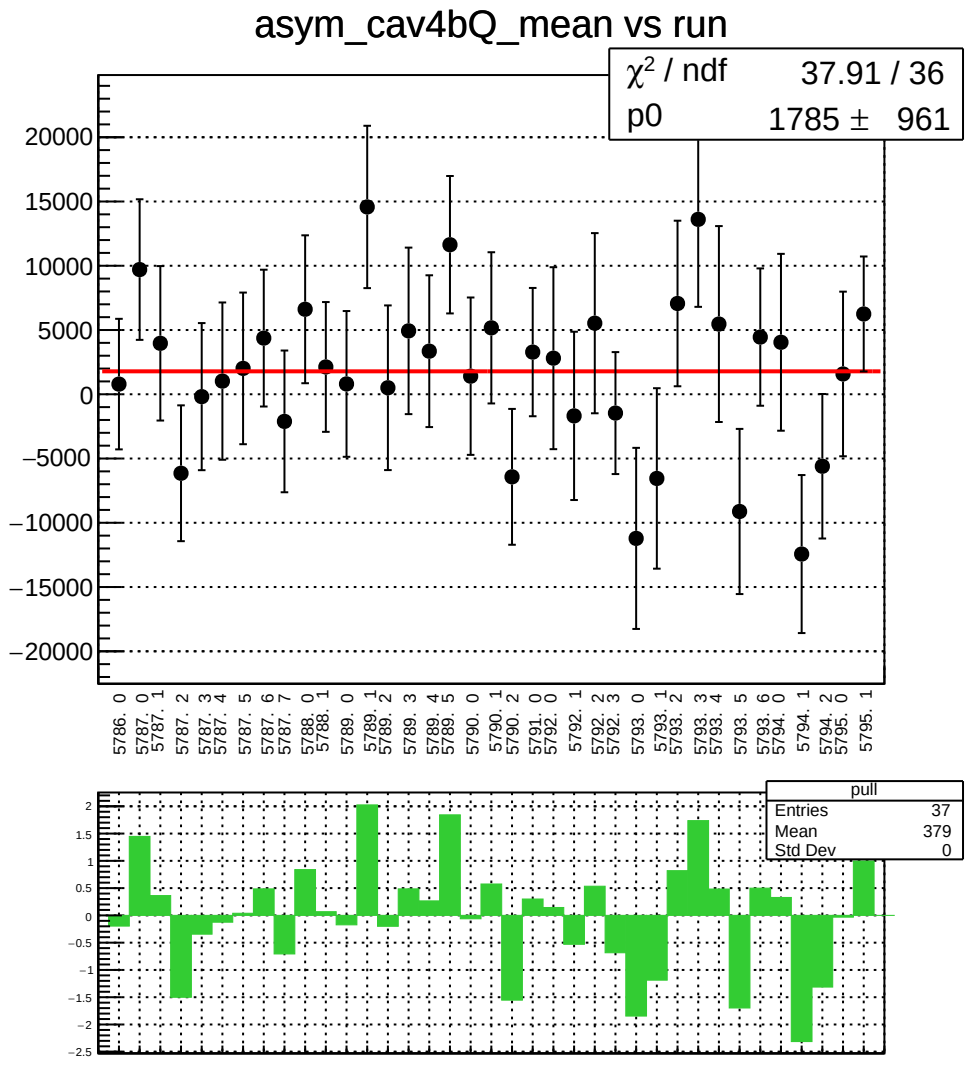

pull1D
Entries 37
Mean 0.003807
Std Dev 0.8213
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

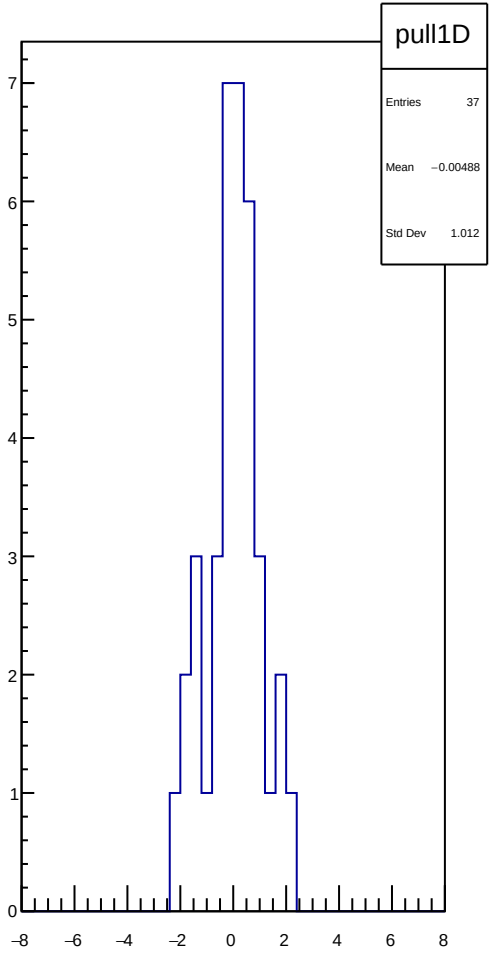

asym_bcm_dg_us_rms vs run
χ² / ndf 2.792e+04 / 36
p0 125.1 ± 0.1469
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

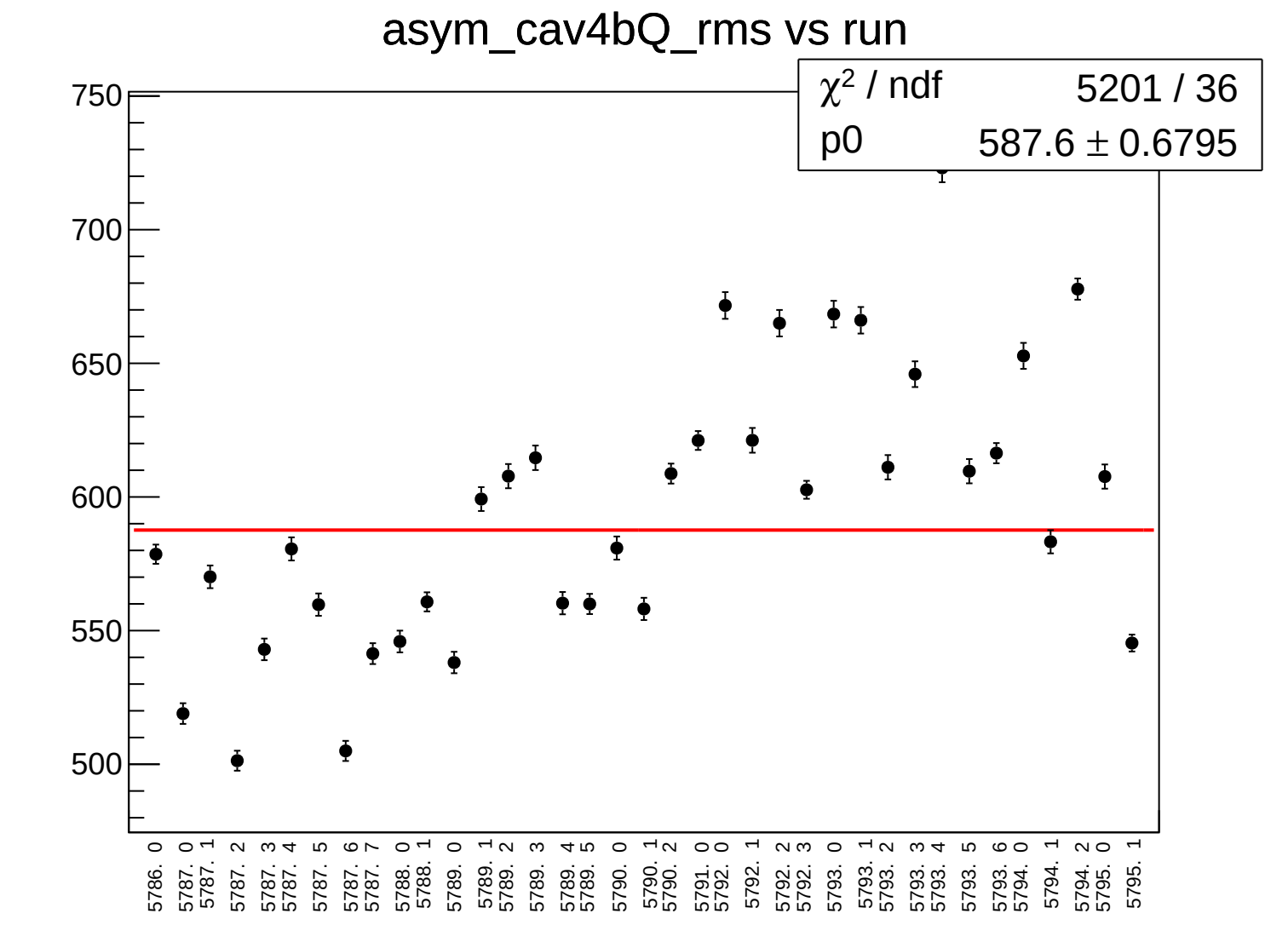

asym_bcm_dg_ds_mean vs run
χ² / ndf 21.08 / 36
p0 5.921 ± 200.2
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 209.1
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

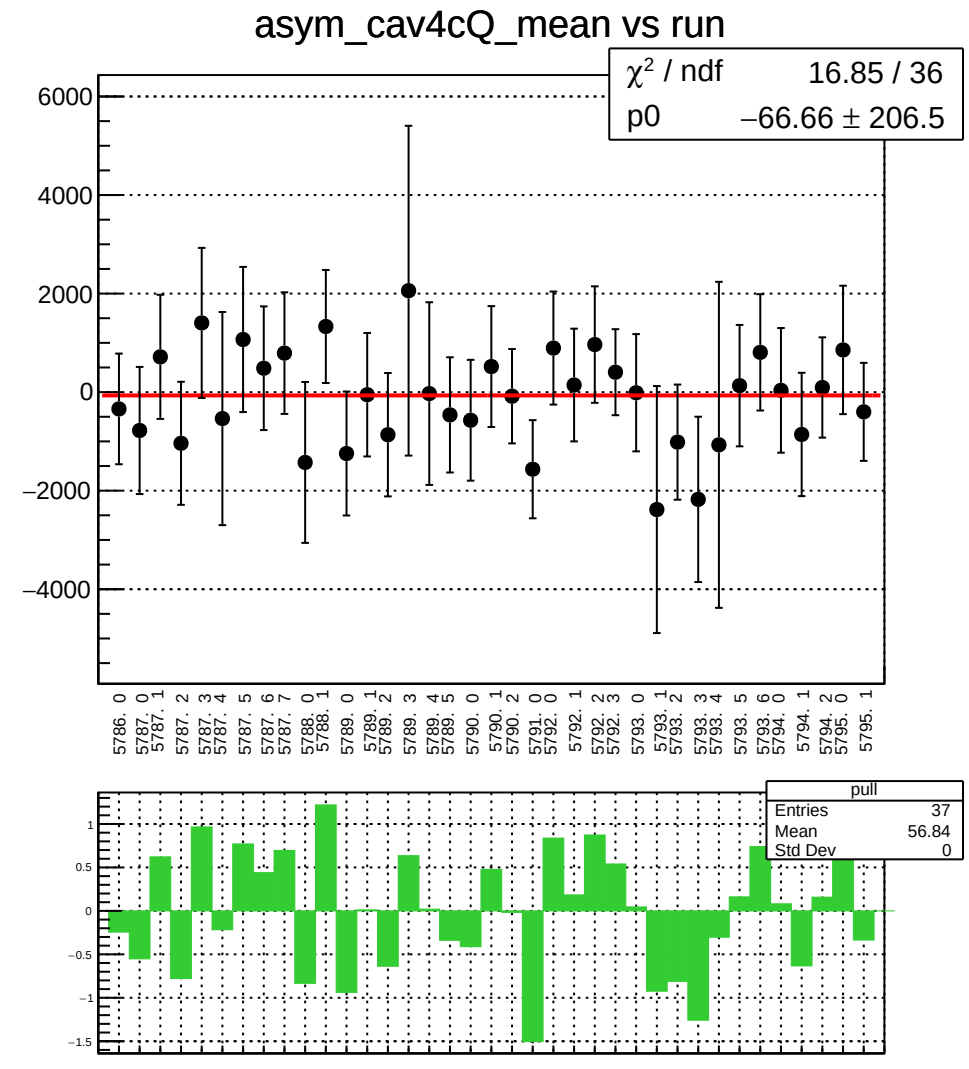

pull1D
Entries 37
Mean −0.00729
Std Dev 0.7549
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

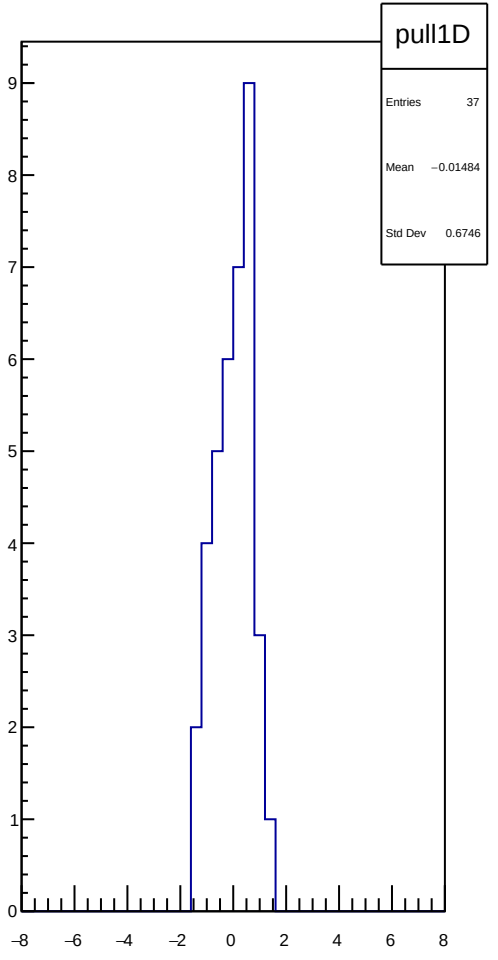

asym_bcm_dg_ds_rms vs run
χ² / ndf 2.872e+04 / 36
p0 120.5 ± 0.1416
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

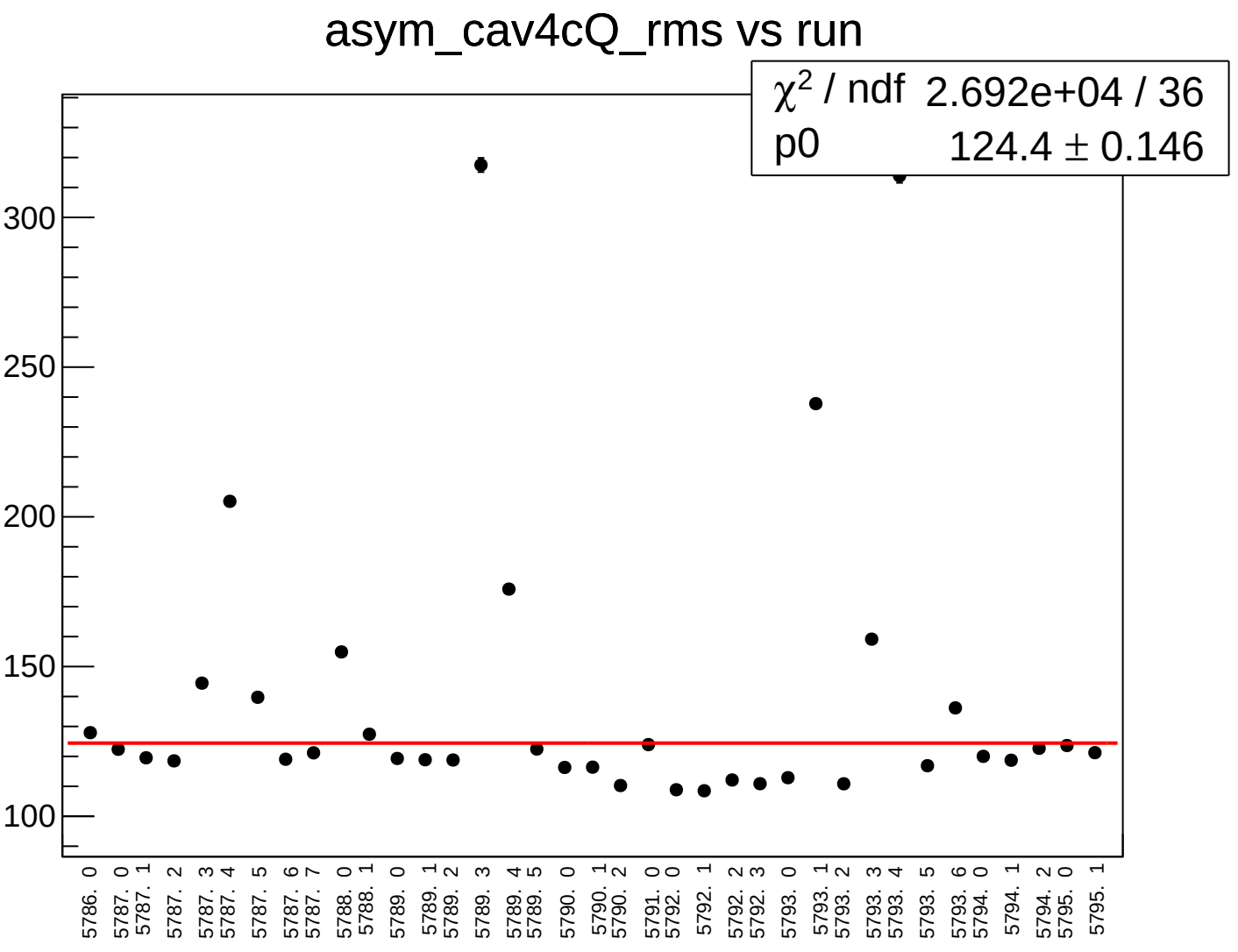

asym_cav4bQ_mean vs run
χ² / ndf 37.91 / 36
p0 1785 ± 961
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 379
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

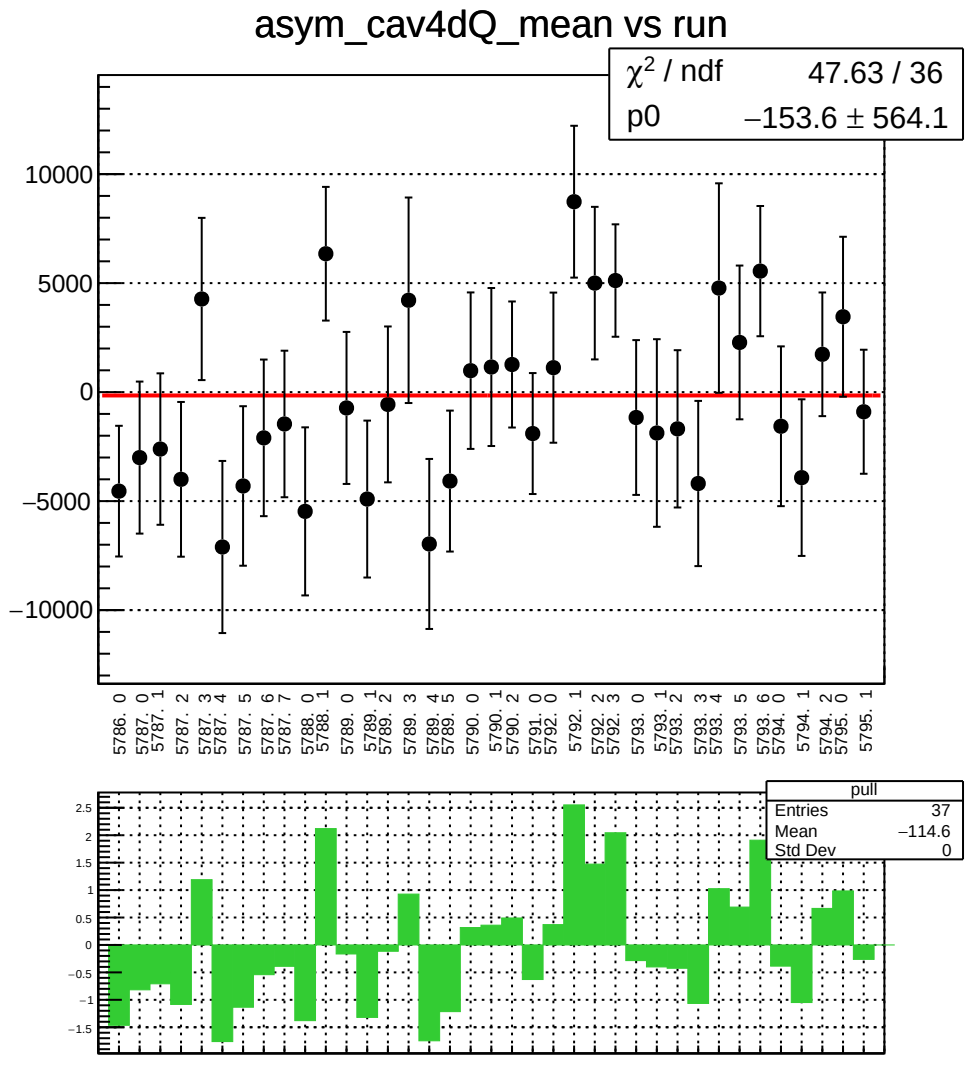

pull1D
Entries 37
Mean −0.00488
Std Dev 1.012
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

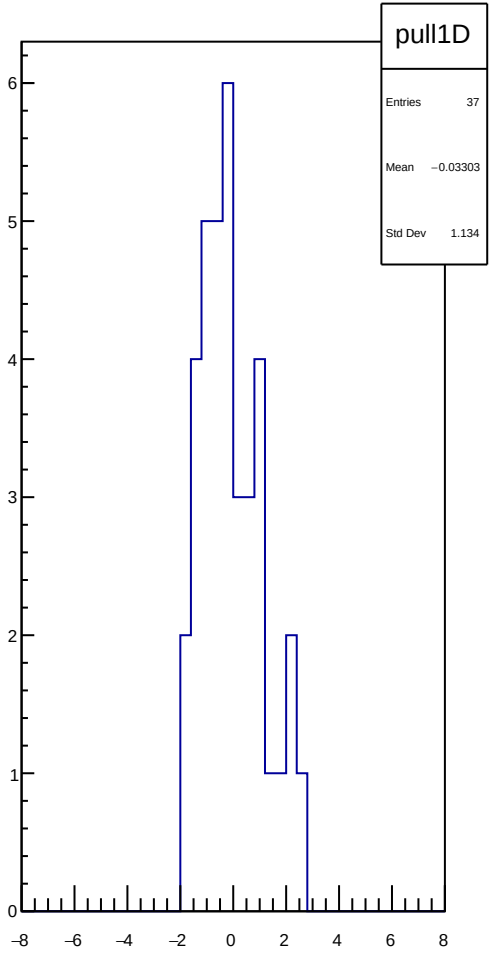

asym_cav4bQ_rms vs run
χ² / ndf 5201 / 36
p0 587.6 ± 0.6795
750
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

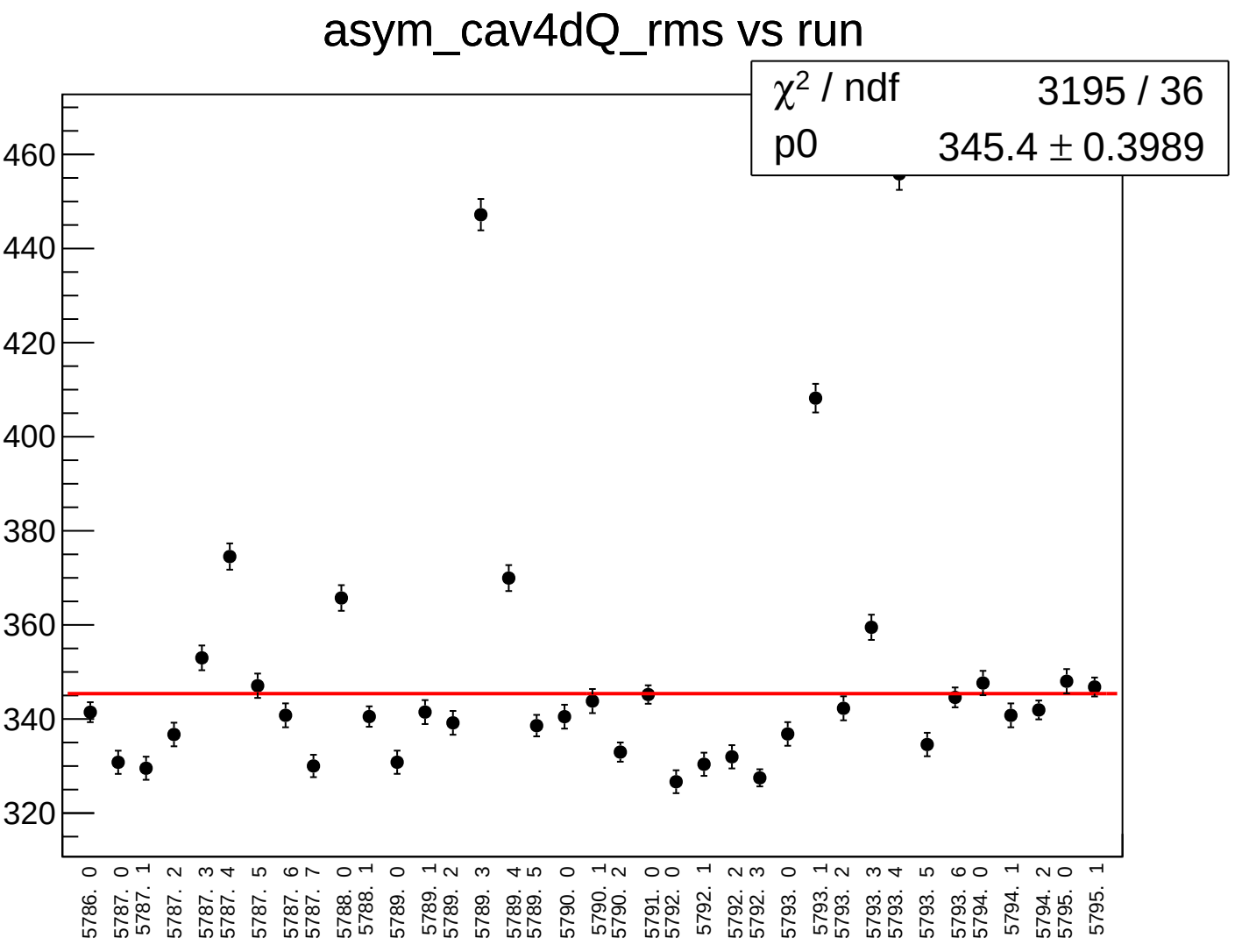

asym_cav4cQ_mean vs run
χ² / ndf 16.85 / 36
p0 −66.66 ± 206.5
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 56.84
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

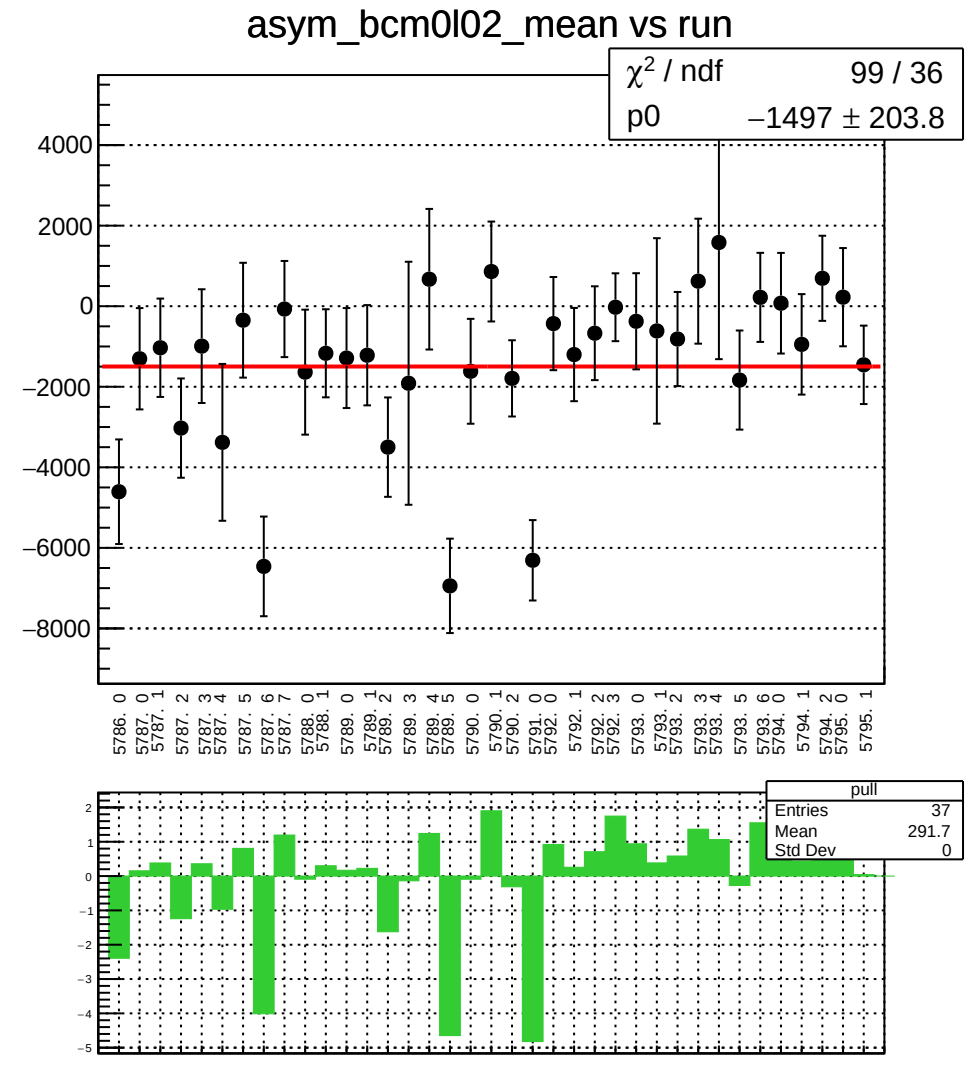

pull1D
Entries 37
Mean −0.01484
Std Dev 0.6746
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

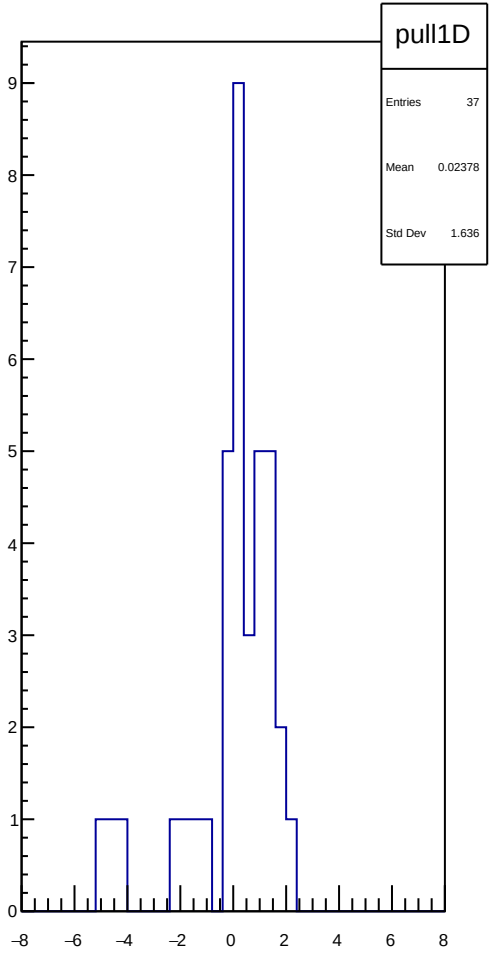

asym_cav4cQ_rms vs run
χ² / ndf 2.692e+04 / 36
p0 124.4 ± 0.146
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

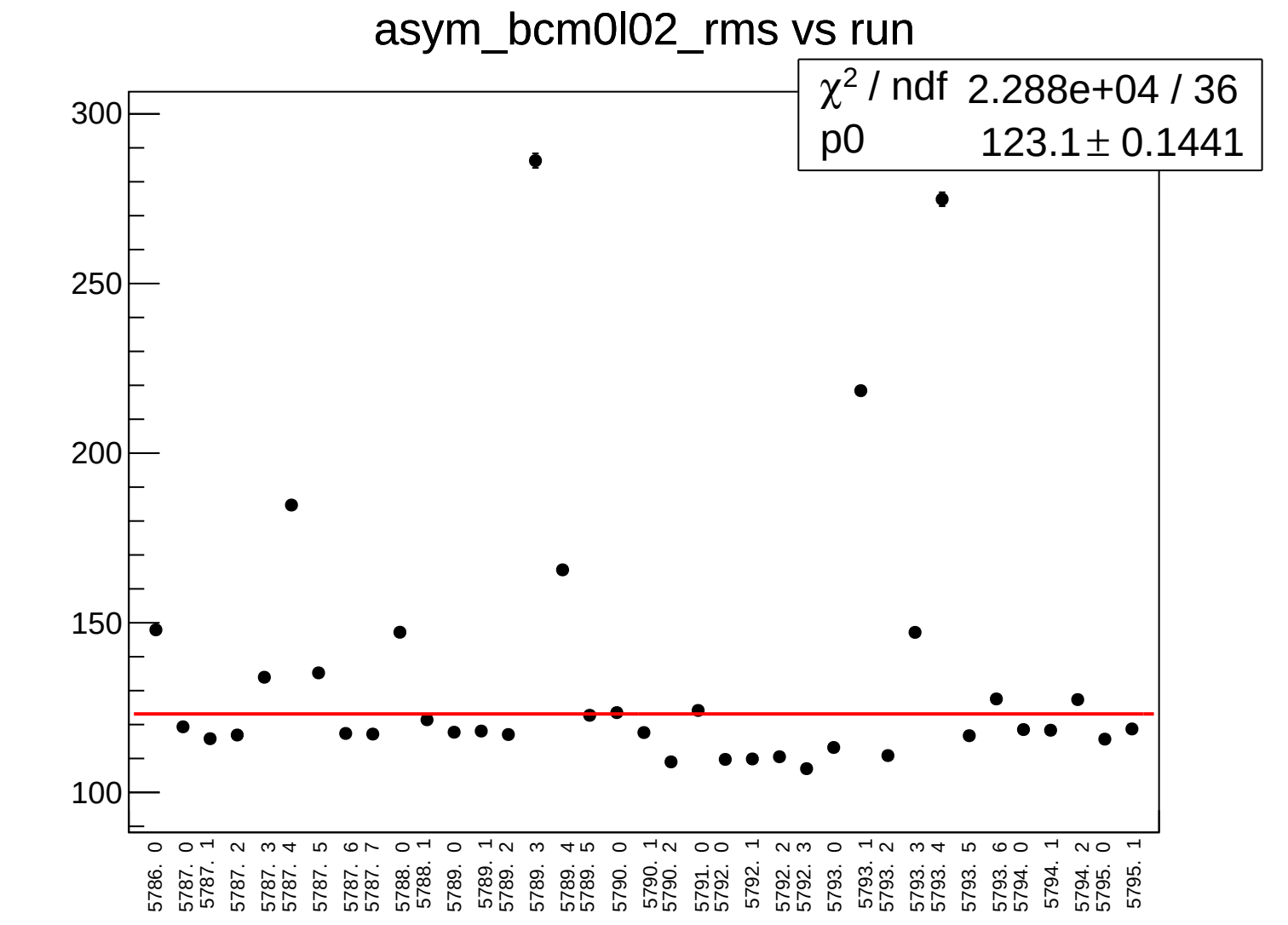

asym_cav4dQ_mean vs run
χ² / ndf 47.63 / 36
p0 −153.6 ± 564.1
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −114.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

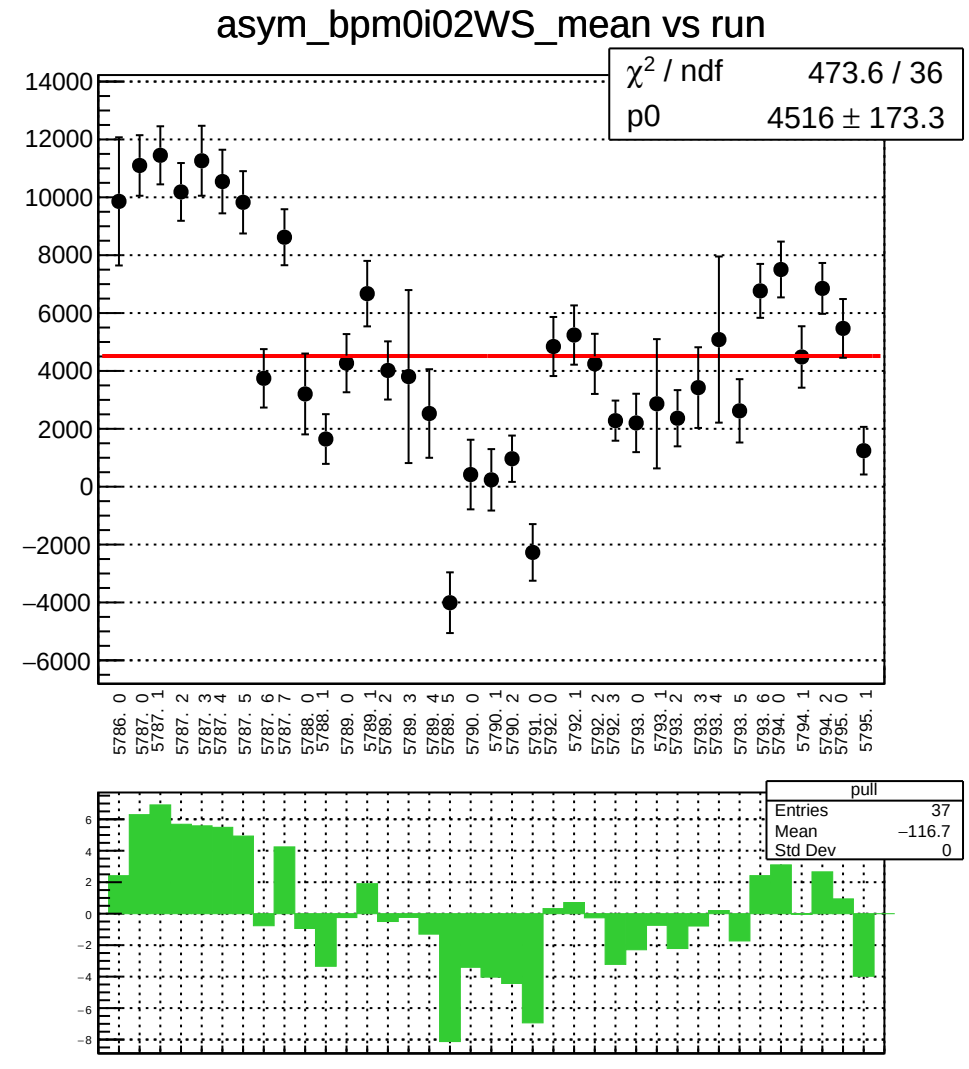

pull1D
Entries 37
Mean −0.03303
Std Dev 1.134
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

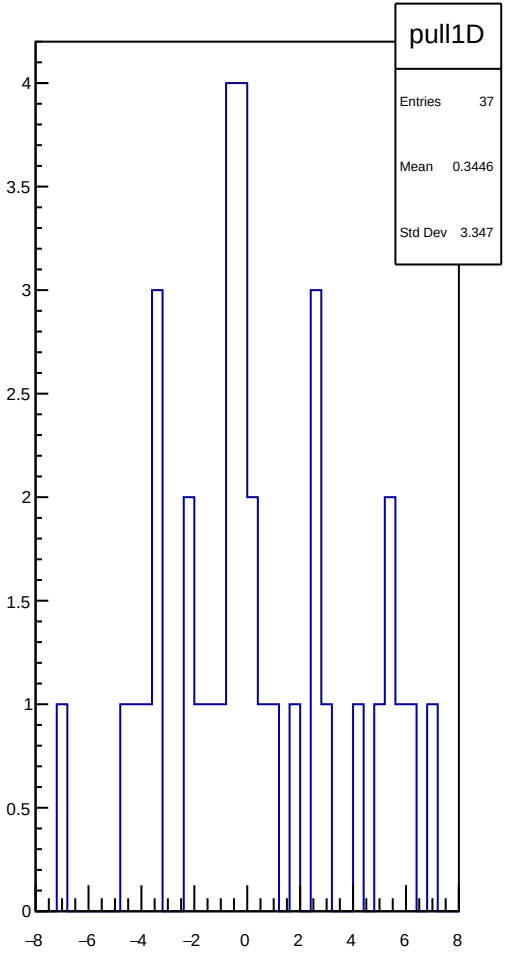

asym_cav4dQ_rms vs run
χ² / ndf 3195 / 36
p0 345.4 ± 0.3989
460
440
420
400
380
360
340
320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

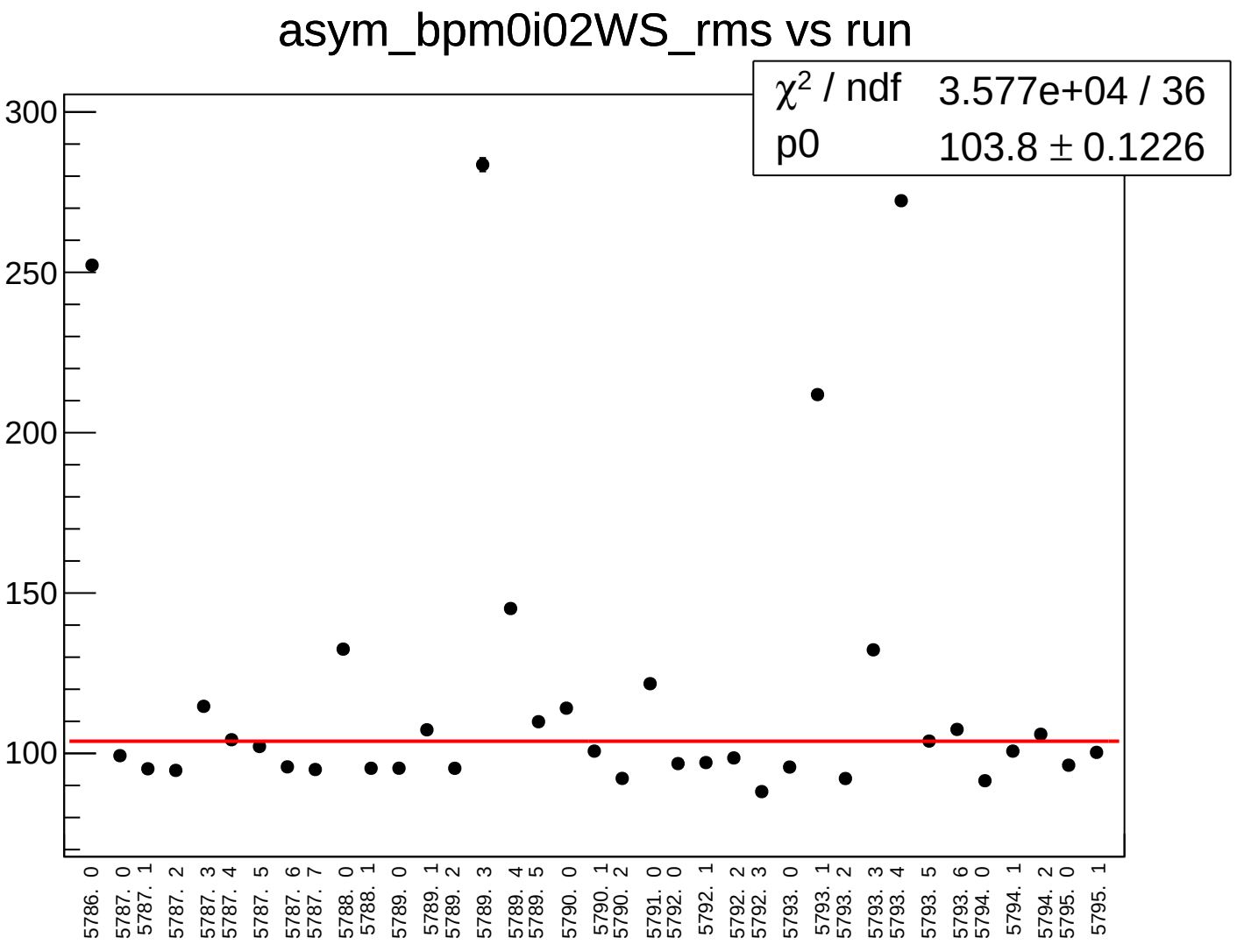

asym_bcm0l02_mean vs run
χ² / ndf 99 / 36
p0 −1497 ± 203.8
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 291.7
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

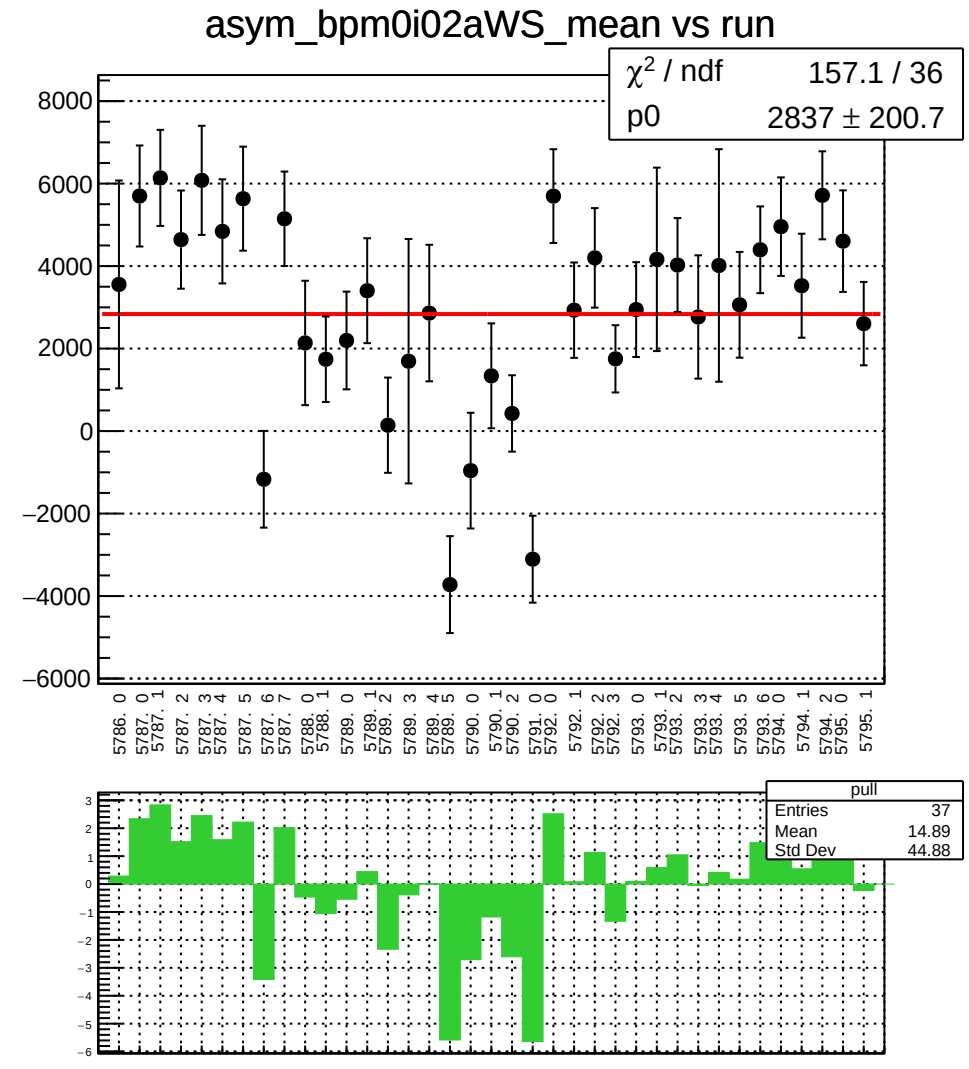

pull1D
Entries 37
Mean 0.02378
Std Dev 1.636
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

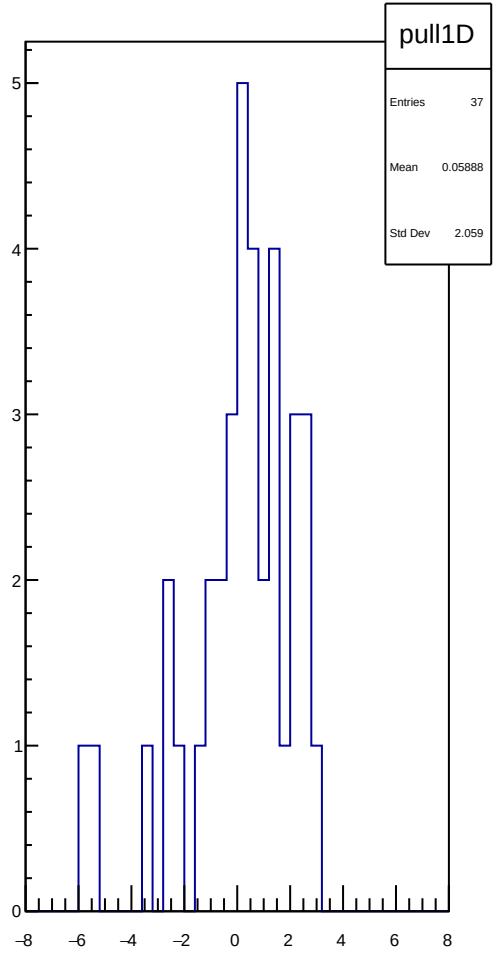

asym_bcm0l02_rms vs run
χ² / ndf 2.288e+04 / 36
p0 123.1 ± 0.1441
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

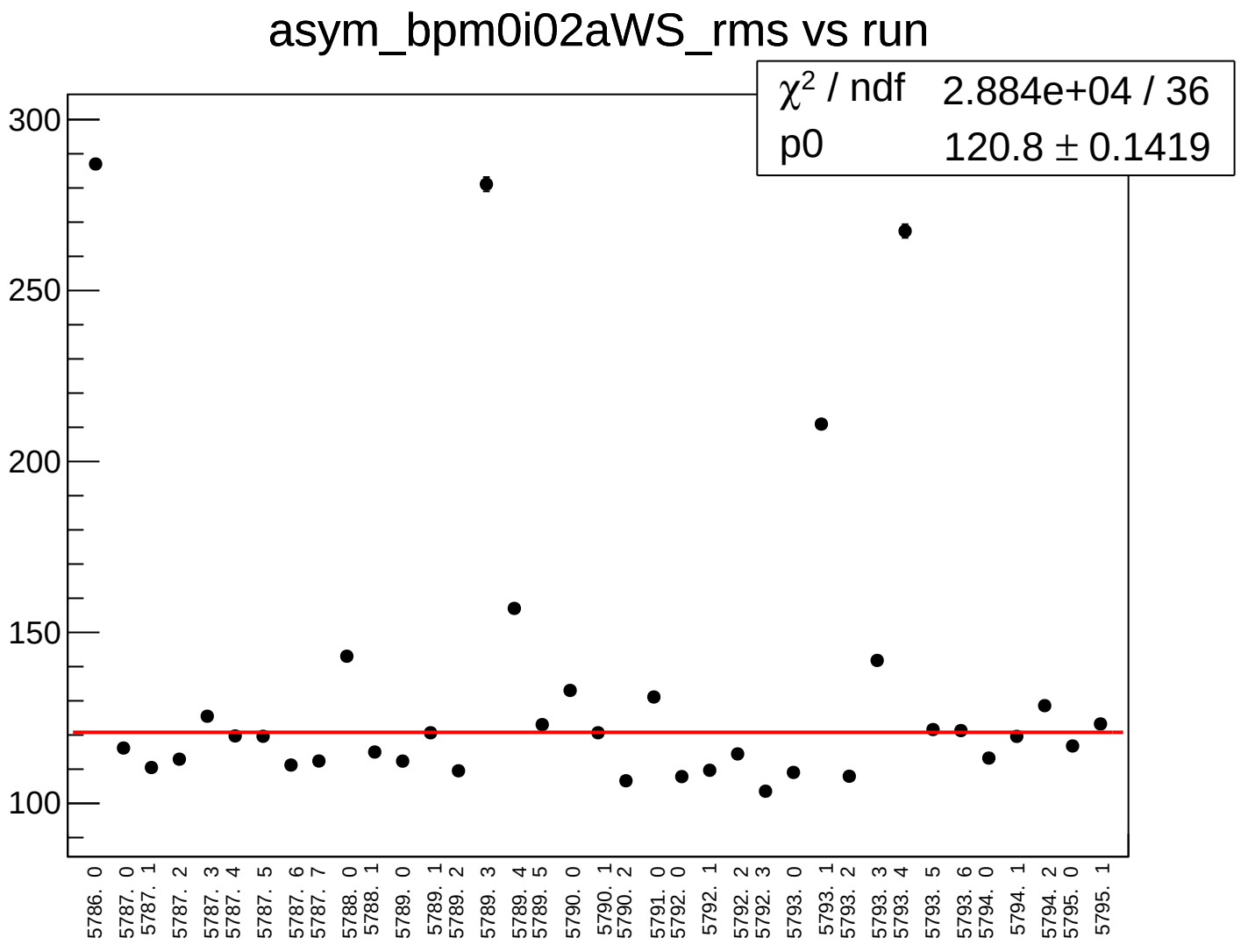

asym_bpm0i02WS_mean vs run
χ² / ndf 473.6 / 36
p0 4516 ± 173.3
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −116.7
Std Dev 0
6
4
2
0
−2
−4
−6
−8

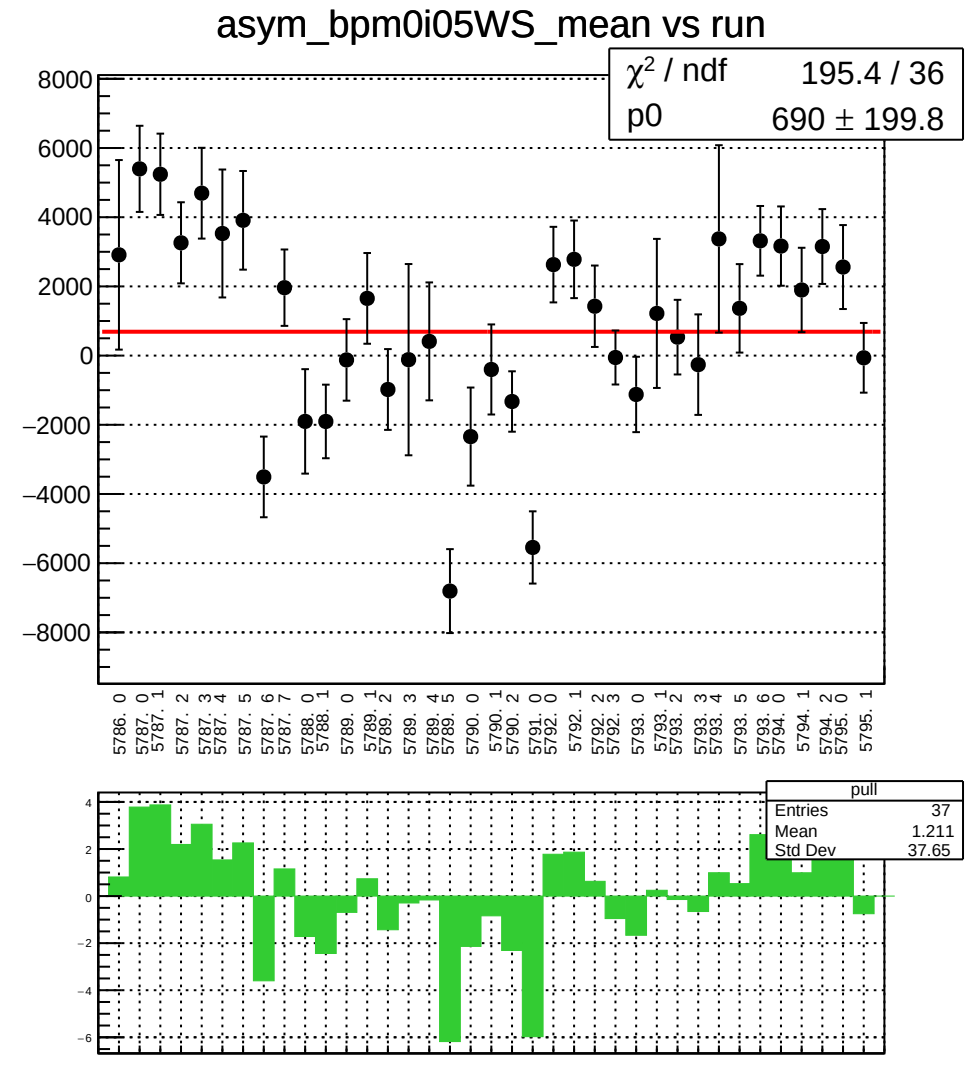

pull1D
Entries 37
Mean 0.3446
Std Dev 3.347
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

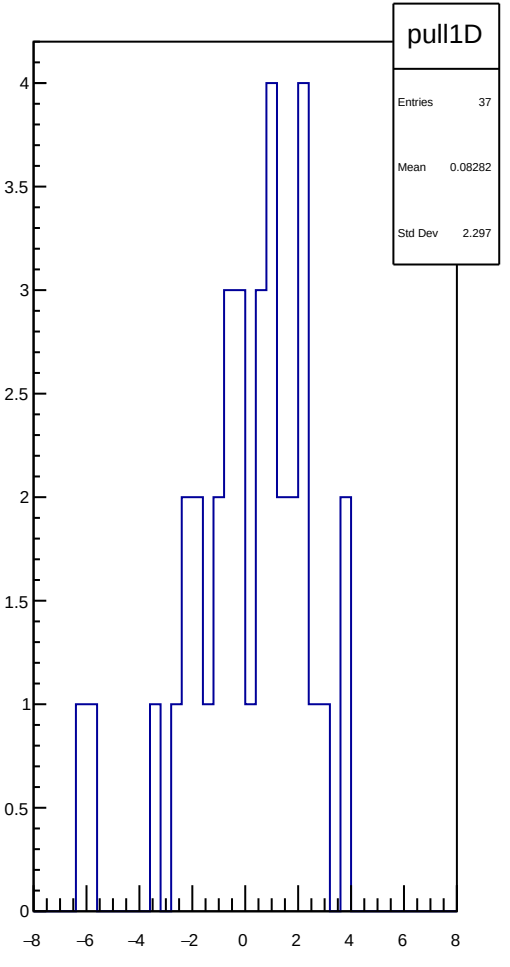

asym_bpm0i02WS_rms vs run
χ² / ndf 3.577e+04 / 36
p0 103.8 ± 0.1226
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

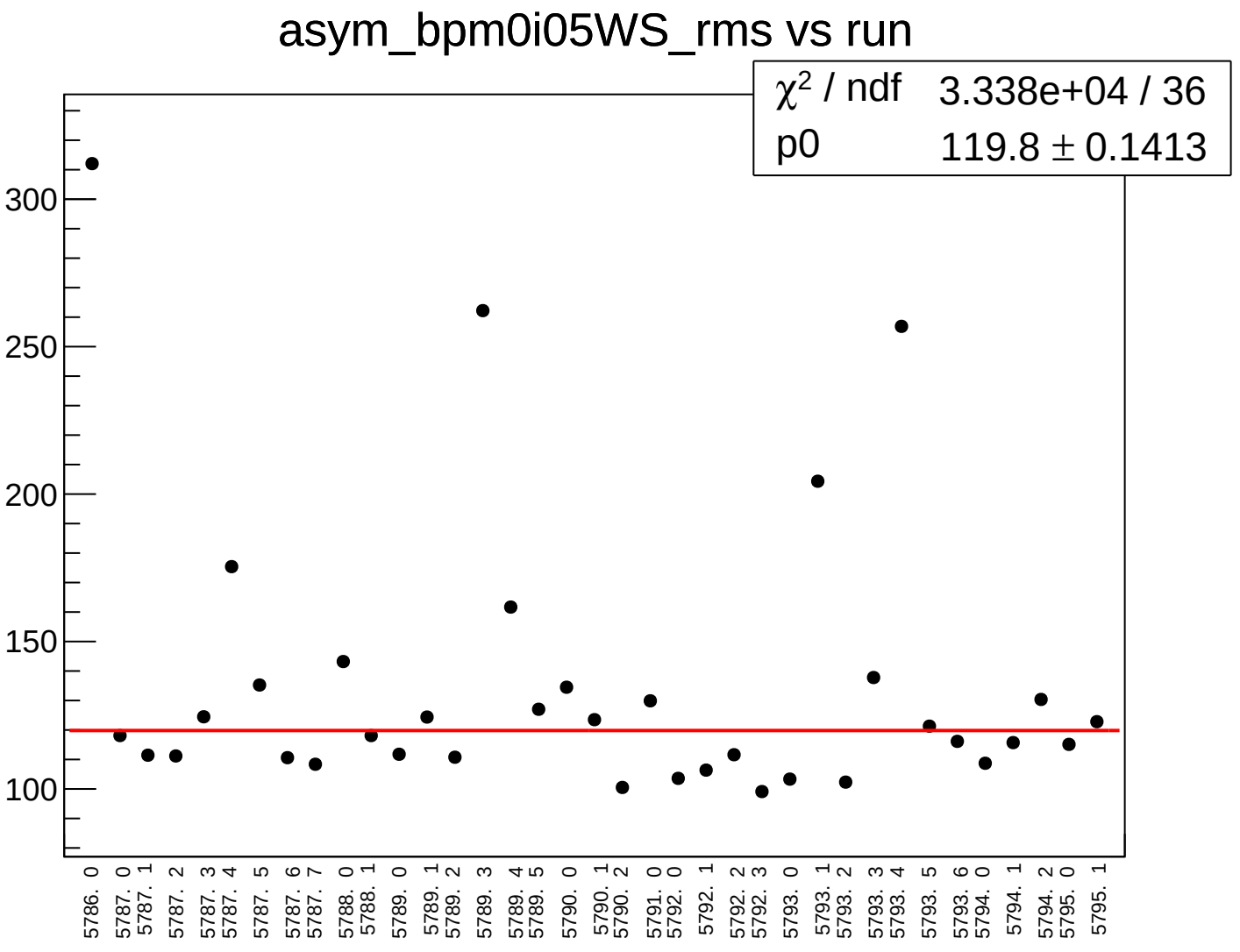

asym_bpm0i02aWS_mean vs run
χ² / ndf 157.1 / 36
p0 2837 ± 200.7
pull
Entries 37
Mean 14.89
Std Dev 44.88

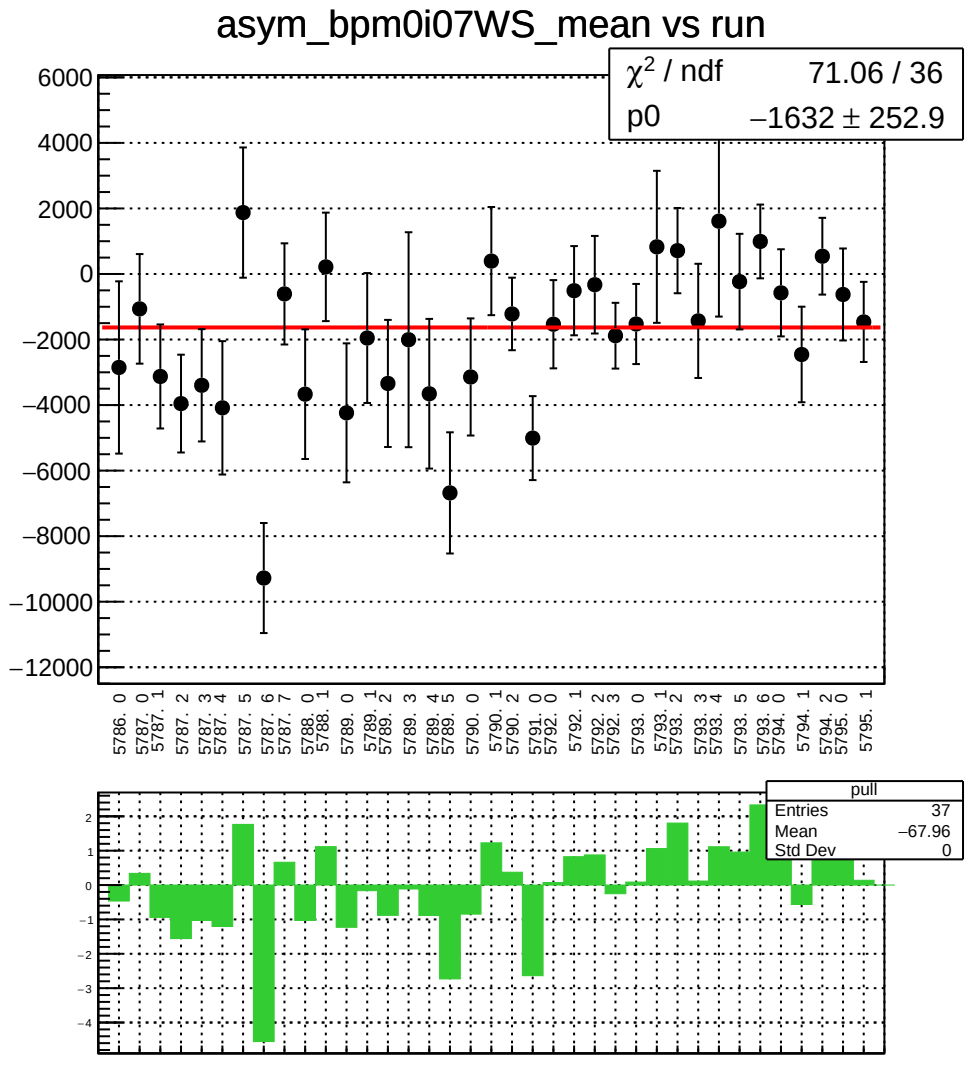

pull1D
Entries 37
Mean 0.05888
Std Dev 2.059

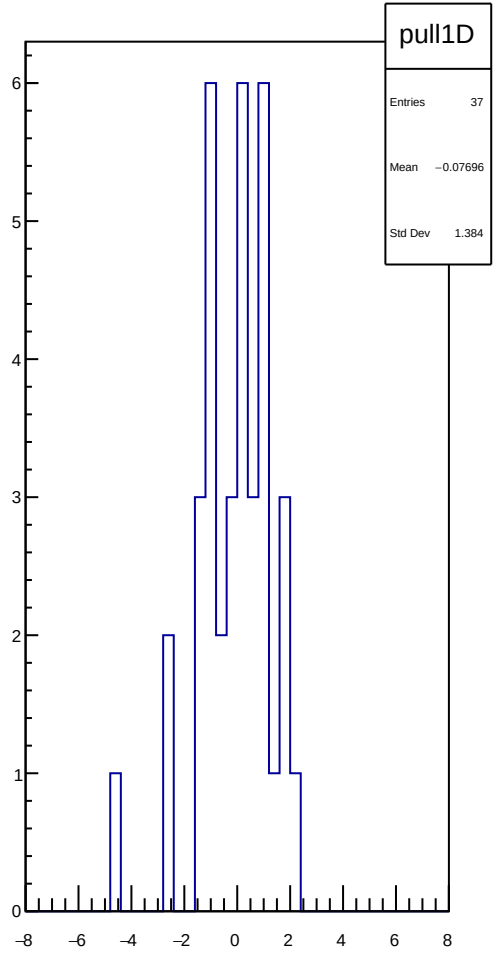

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.884e+04 / 36
p0 120.8 ± 0.1419
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

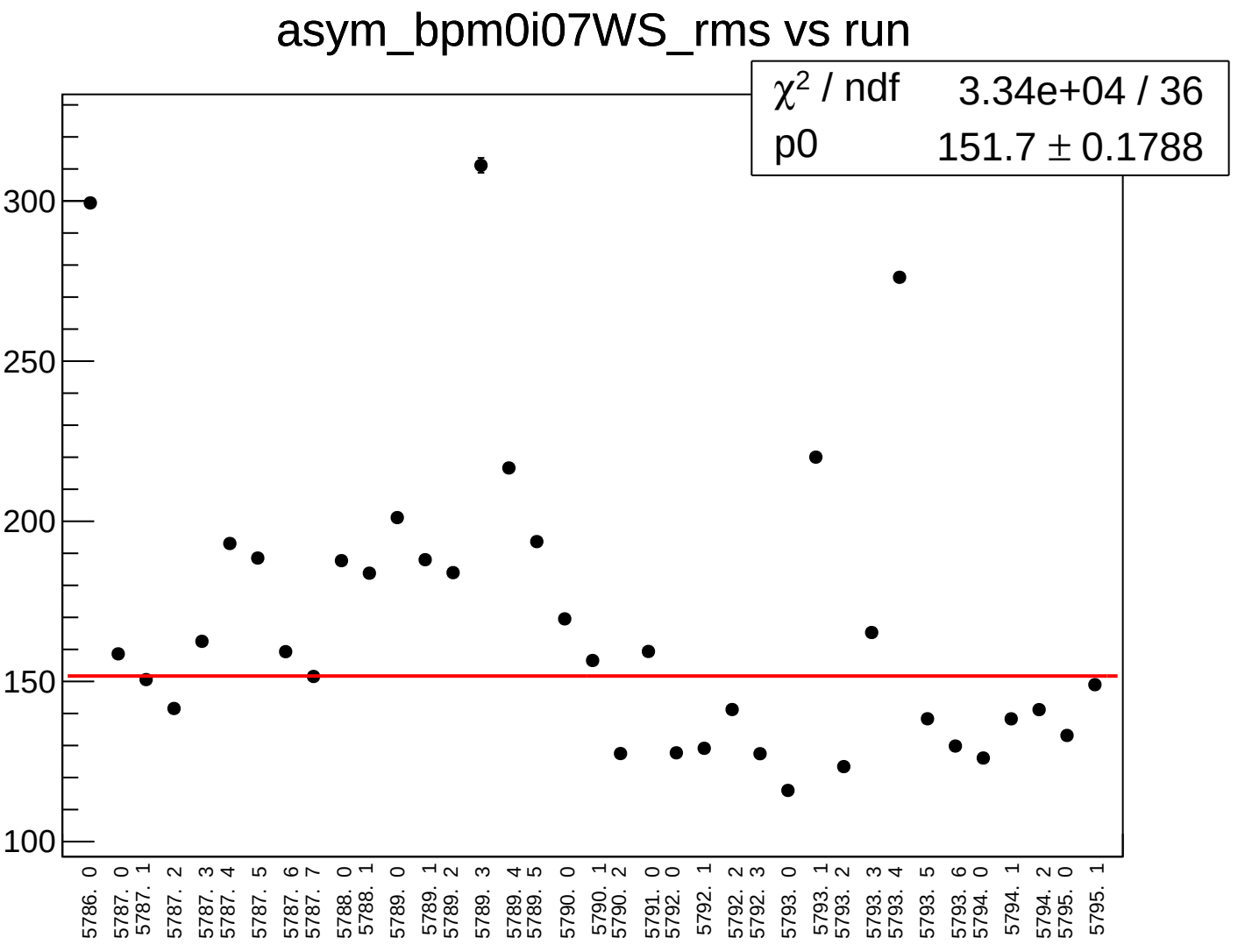

asym_bpm0i05WS_mean vs run
χ² / ndf 195.4 / 36
p0 690 ± 199.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.211
Std Dev 37.65
4
2
0
−2
−4
−6

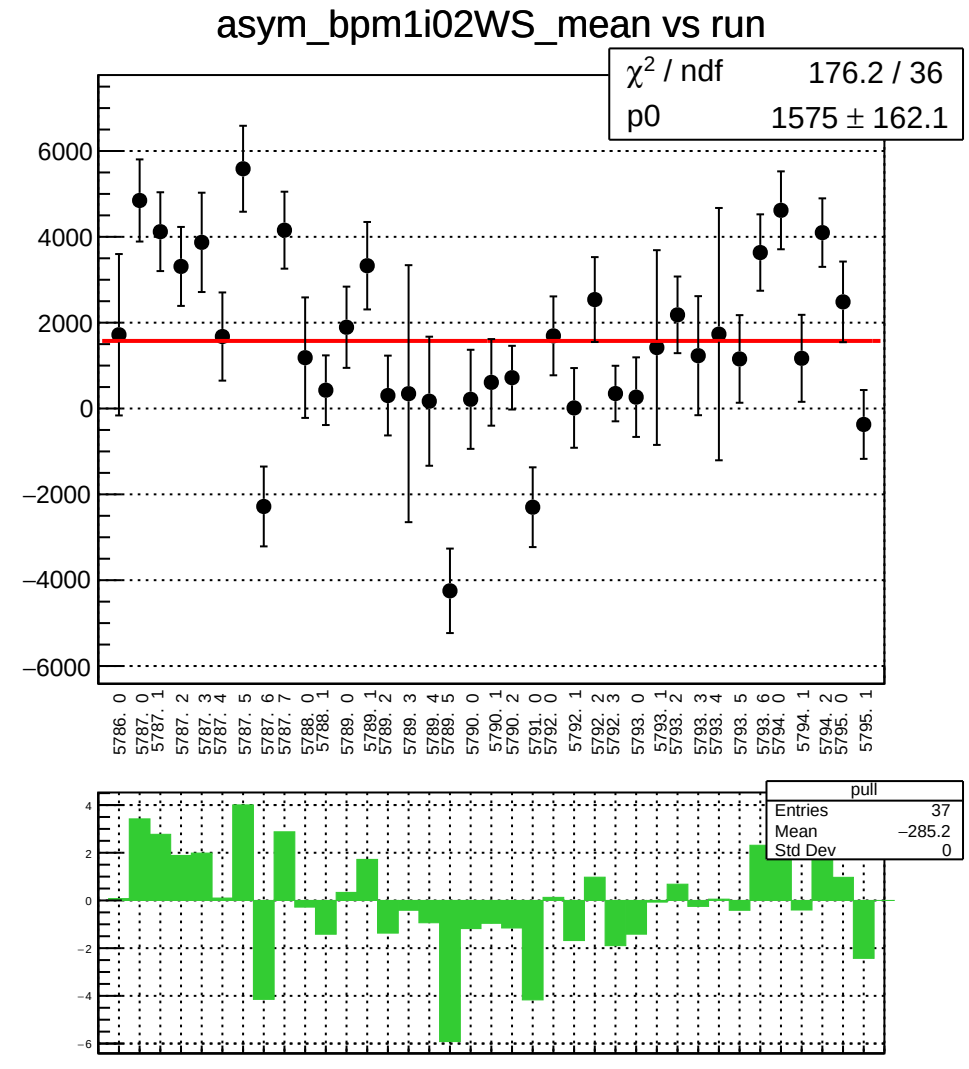

pull1D
Entries 37
Mean 0.08282
Std Dev 2.297
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

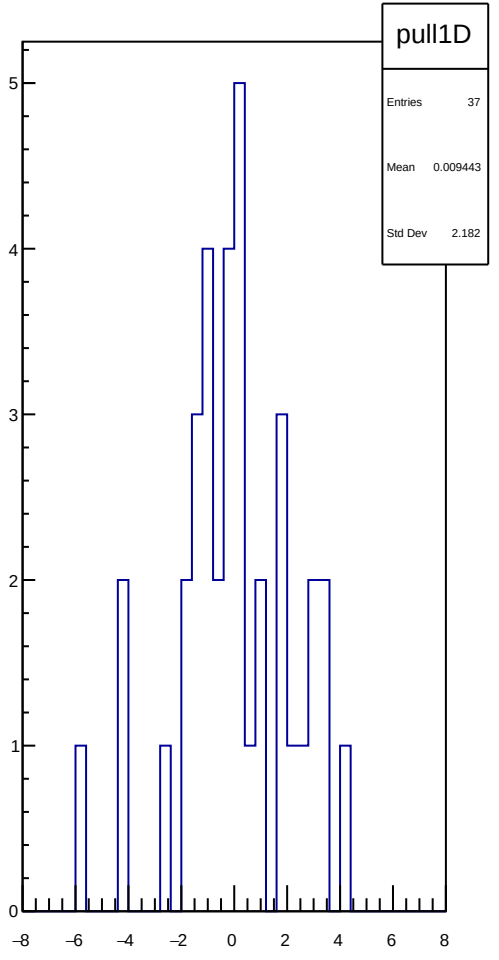

asym_bpm0i05WS_rms vs run
χ² / ndf 3.338e+04 / 36
p0 119.8 ± 0.1413
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

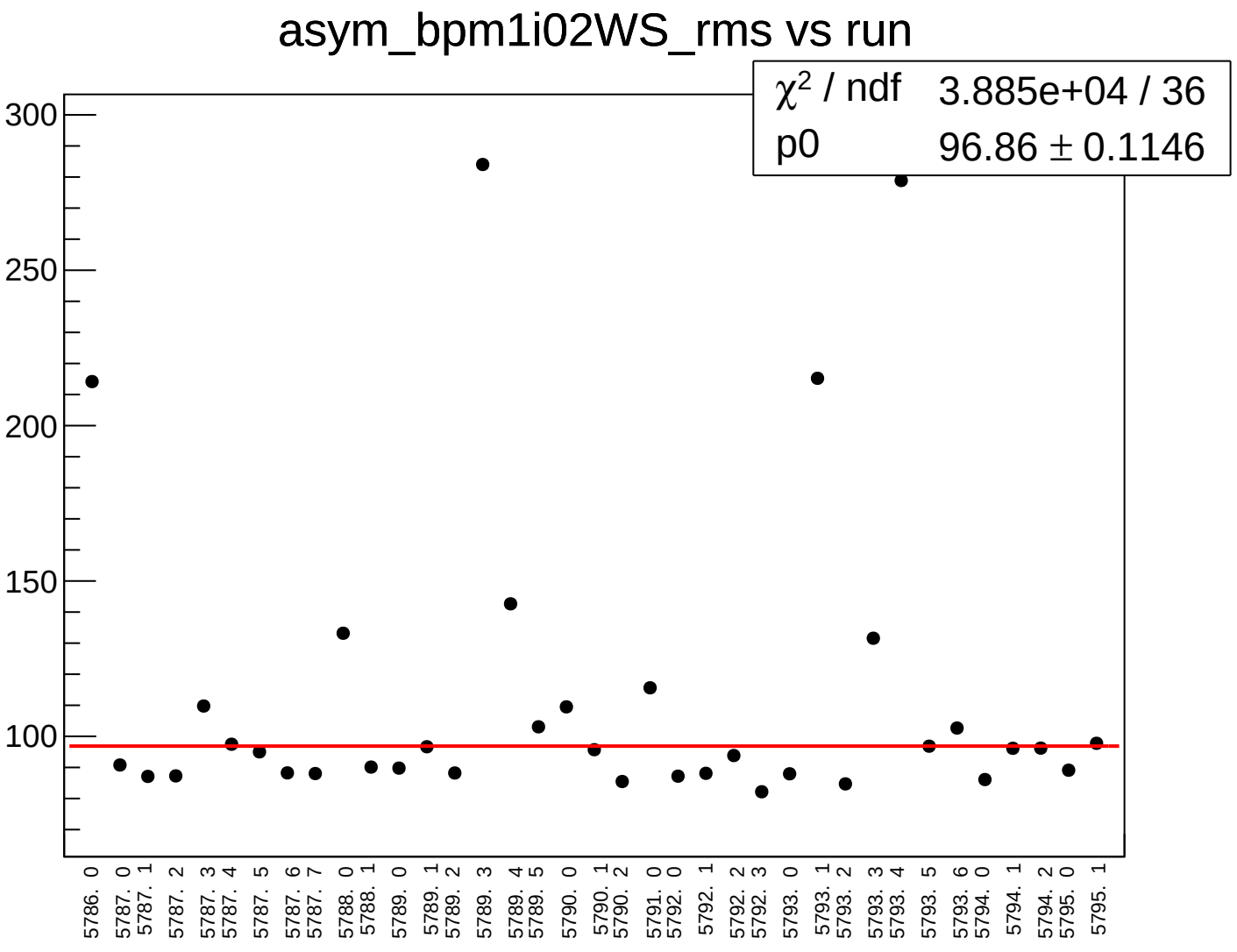

asym_bpm0i07WS_mean vs run
χ² / ndf 71.06 / 36
p0 −1632 ± 252.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.96
Std Dev 0
2
1
0
−1
−2
−3
−4

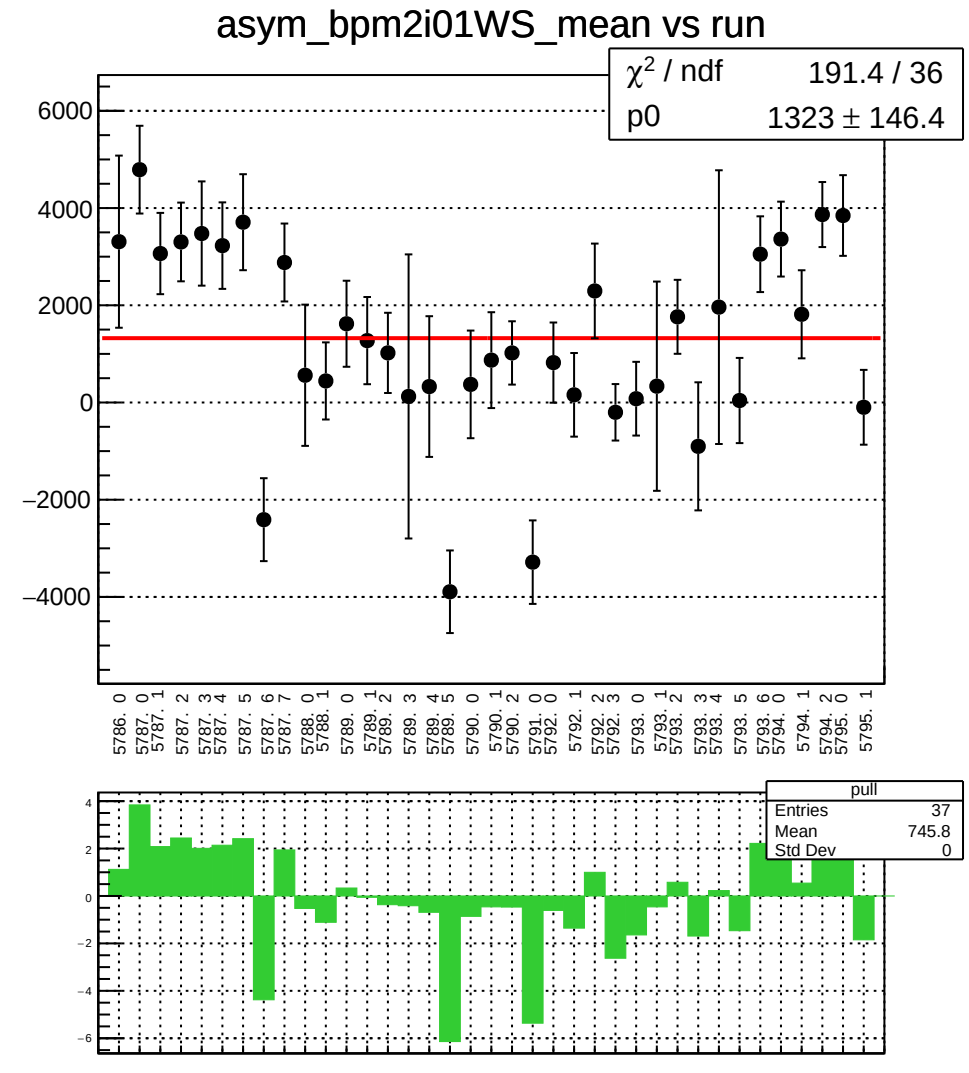

pull1D
Entries 37
Mean −0.07696
Std Dev 1.384
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

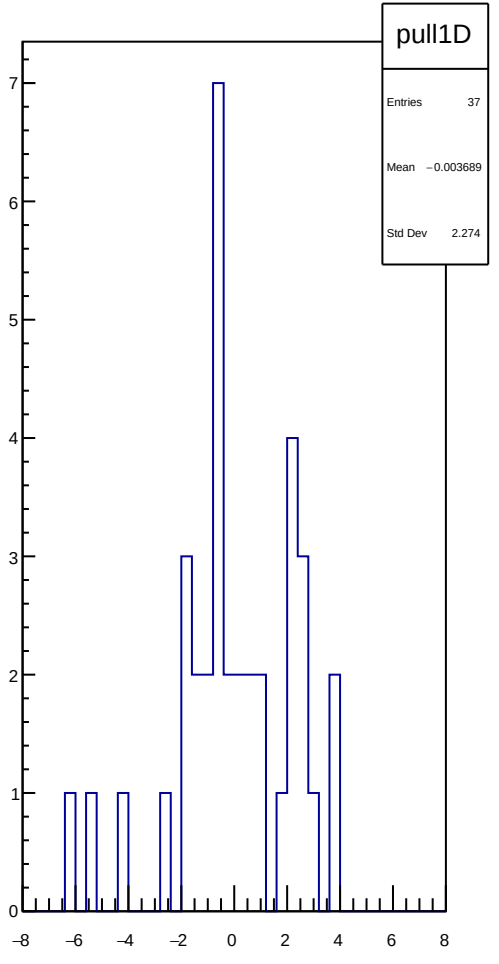

asym_bpm0i07WS_rms vs run
χ² / ndf 3.34e+04 / 36
p0 151.7 ± 0.1788
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

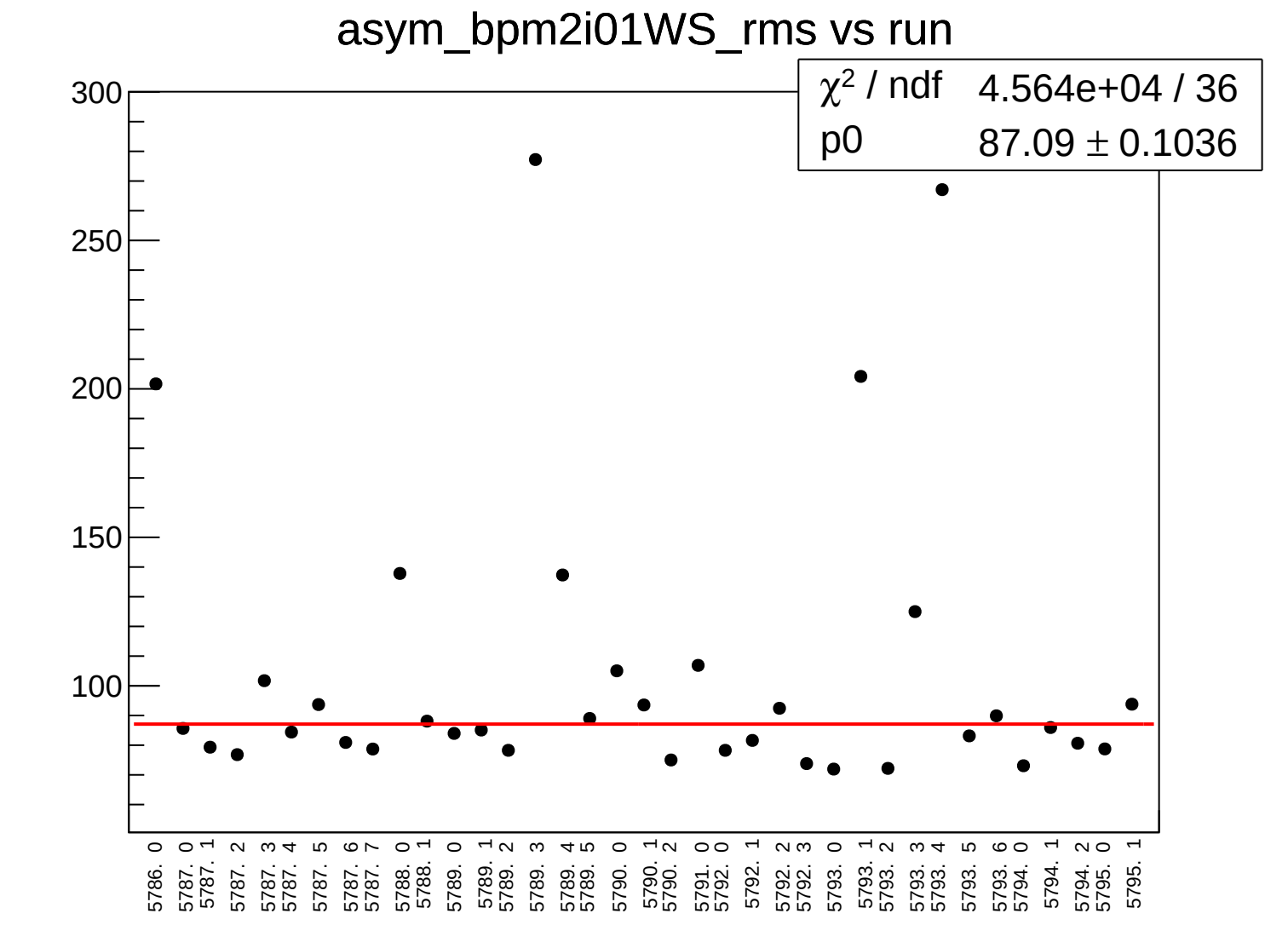

asym_bpm1i02WS_mean vs run
χ² / ndf 176.2 / 36
p0 1575 ± 162.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −285.2
Std Dev 0
4
2
0
−2
−4
−6

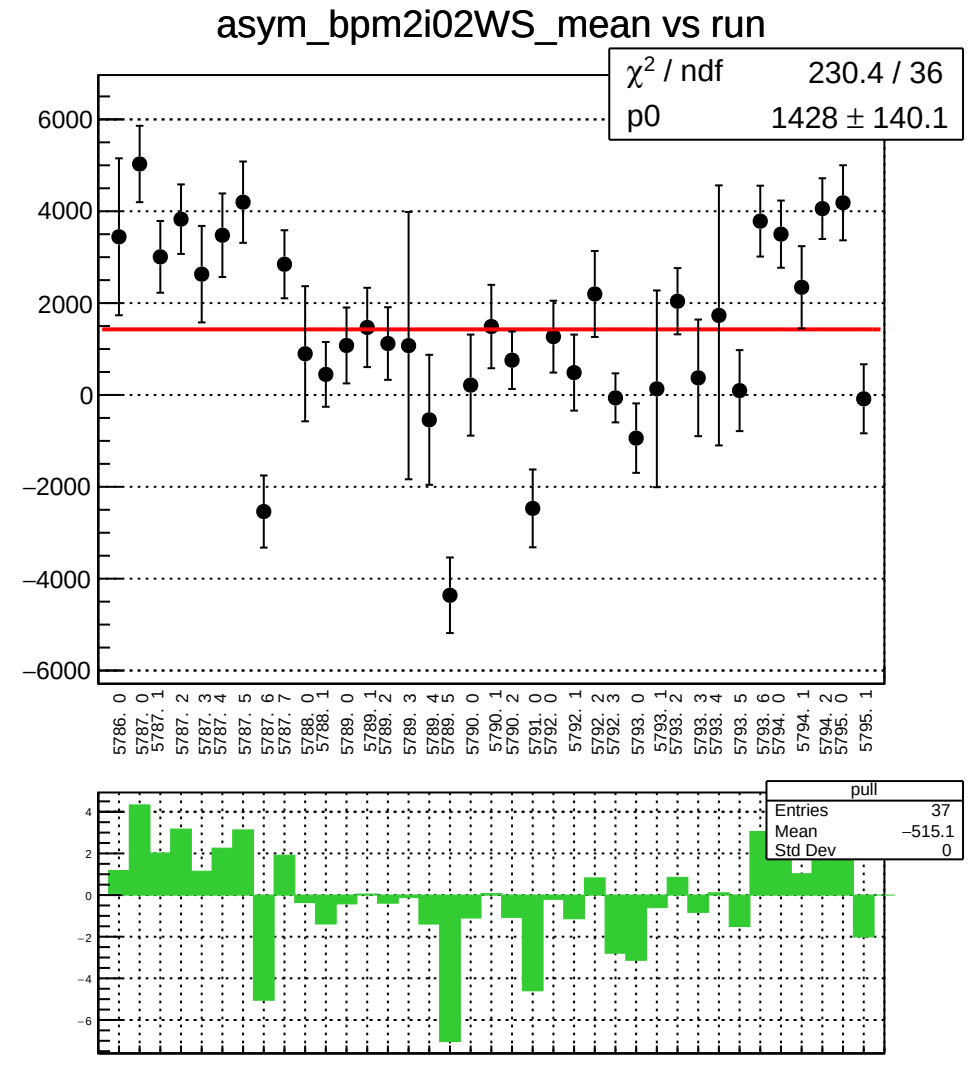

pull1D
Entries 37
Mean 0.009443
Std Dev 2.182
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

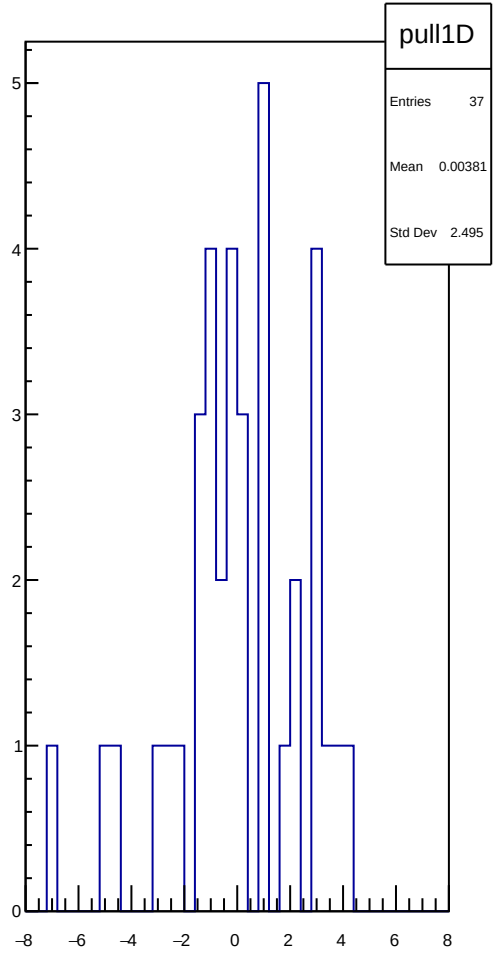

asym_bpm1i02WS_rms vs run
χ² / ndf 3.885e+04 / 36
p0 96.86 ± 0.1146
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

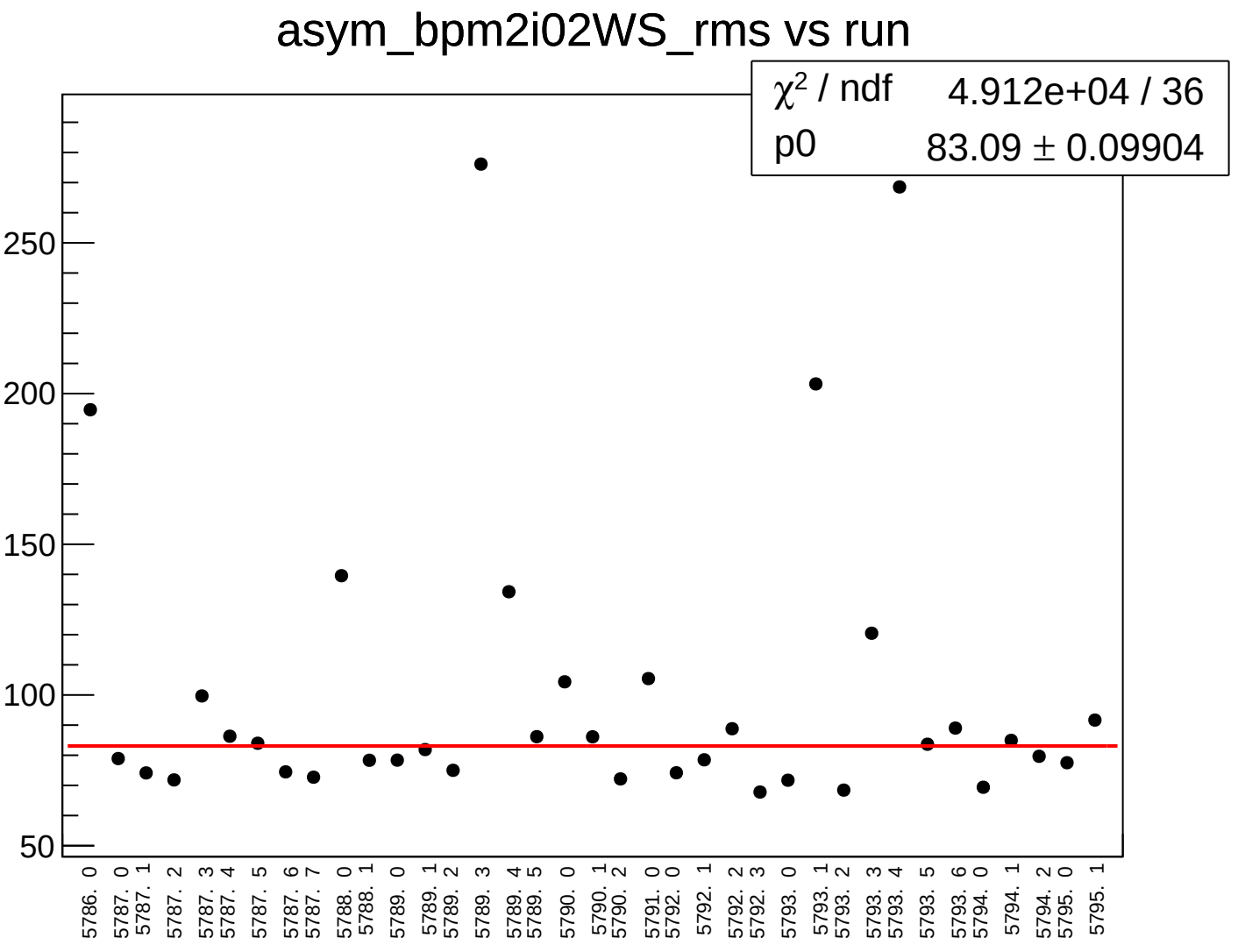

asym_bpm2i01WS_mean vs run
χ² / ndf 191.4 / 36
p0 1323 ± 146.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 745.8
Std Dev 0
4
2
0
−2
−4
−6

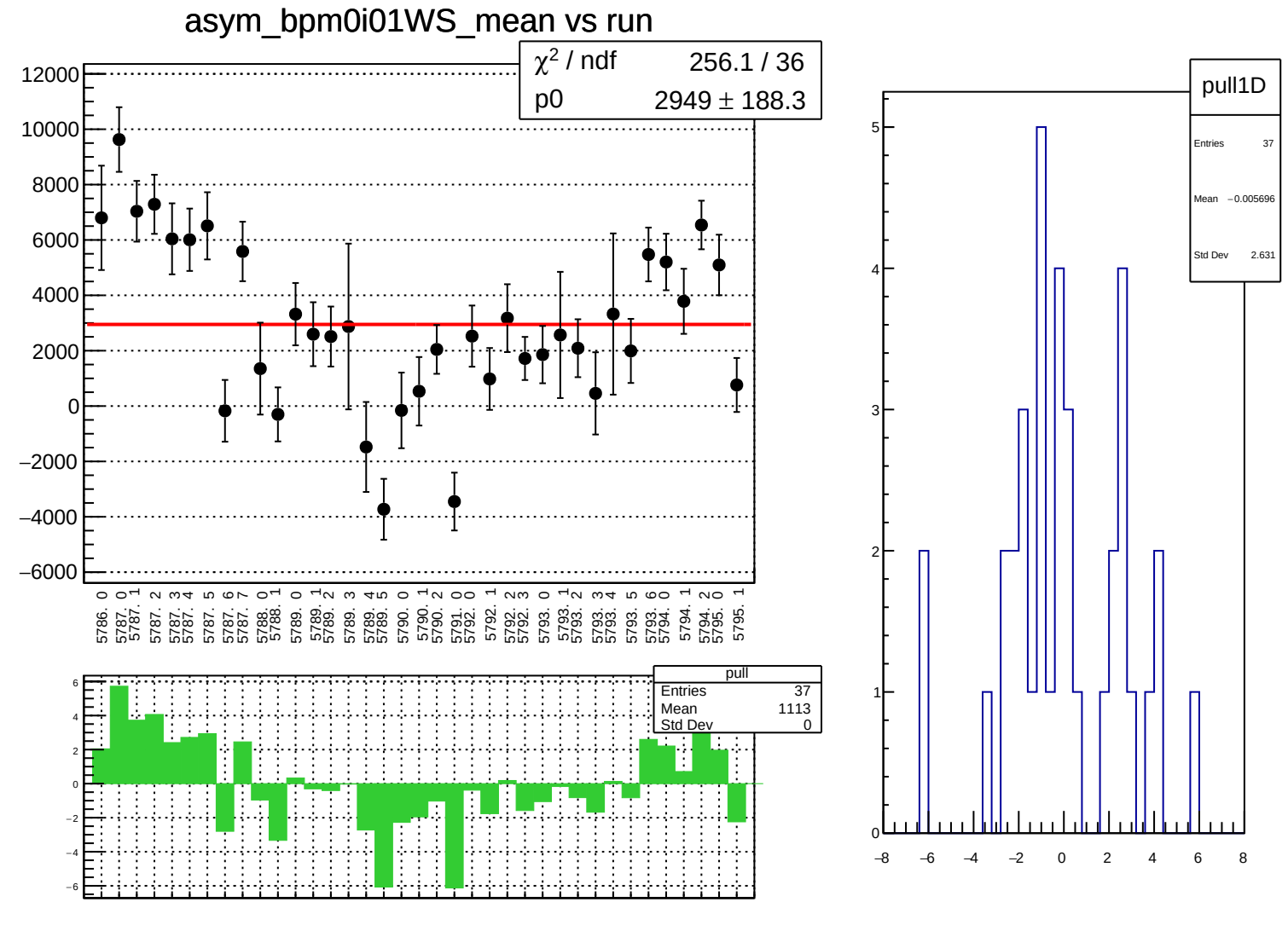

pull1D
Entries 37
Mean −0.003689
Std Dev 2.274
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

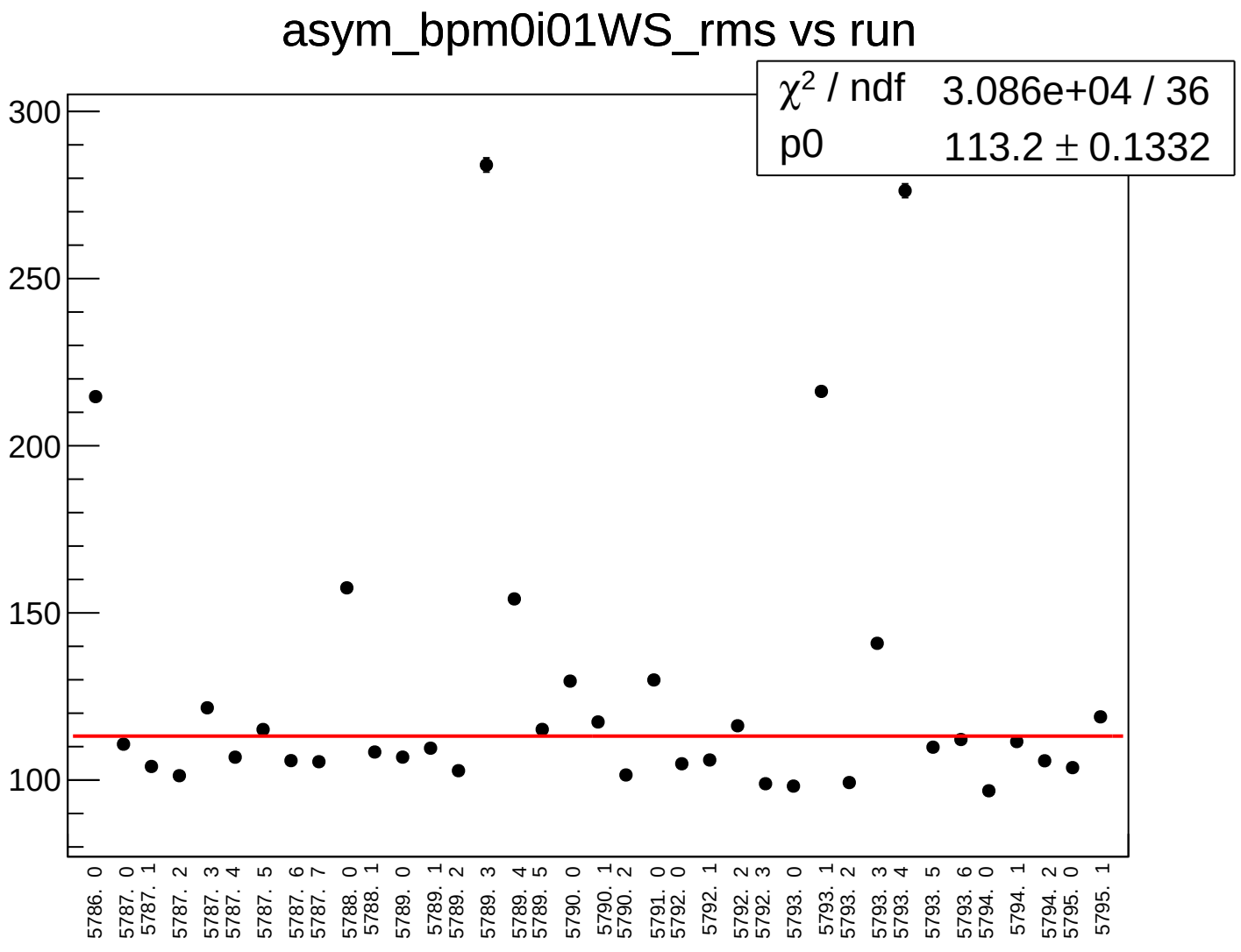

asym_bpm2i01WS_rms vs run
χ² / ndf 4.564e+04 / 36
p0 87.09 ± 0.1036
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

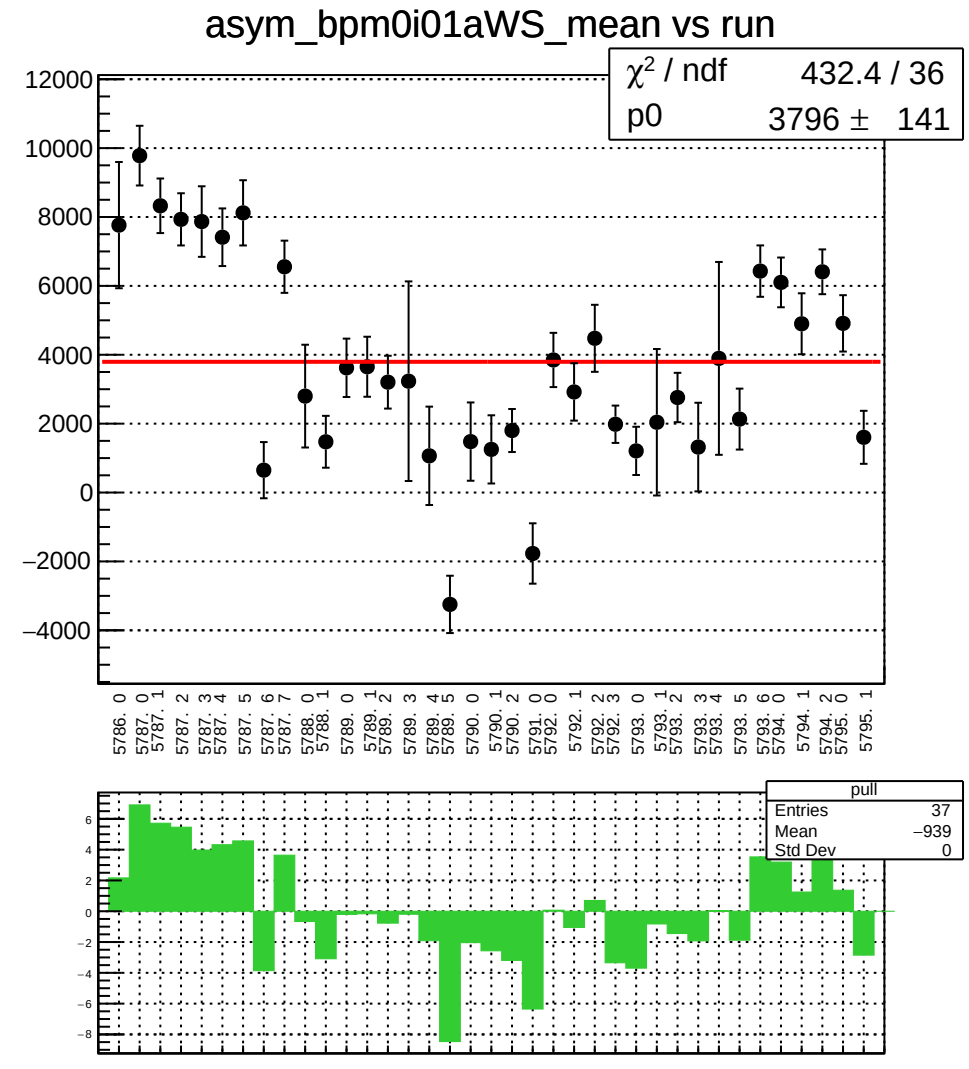

asym_bpm2i02WS_mean vs run
χ² / ndf 230.4 / 36
p0 1428 ± 140.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −515.1
Std Dev 0
4
2
0
−2
−4
−6

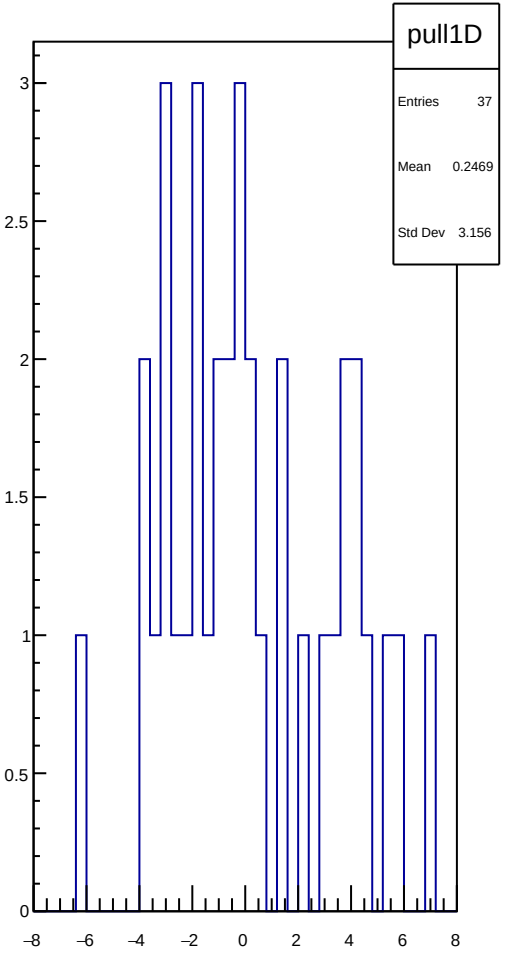

pull1D
Entries 37
Mean 0.00381
Std Dev 2.495
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

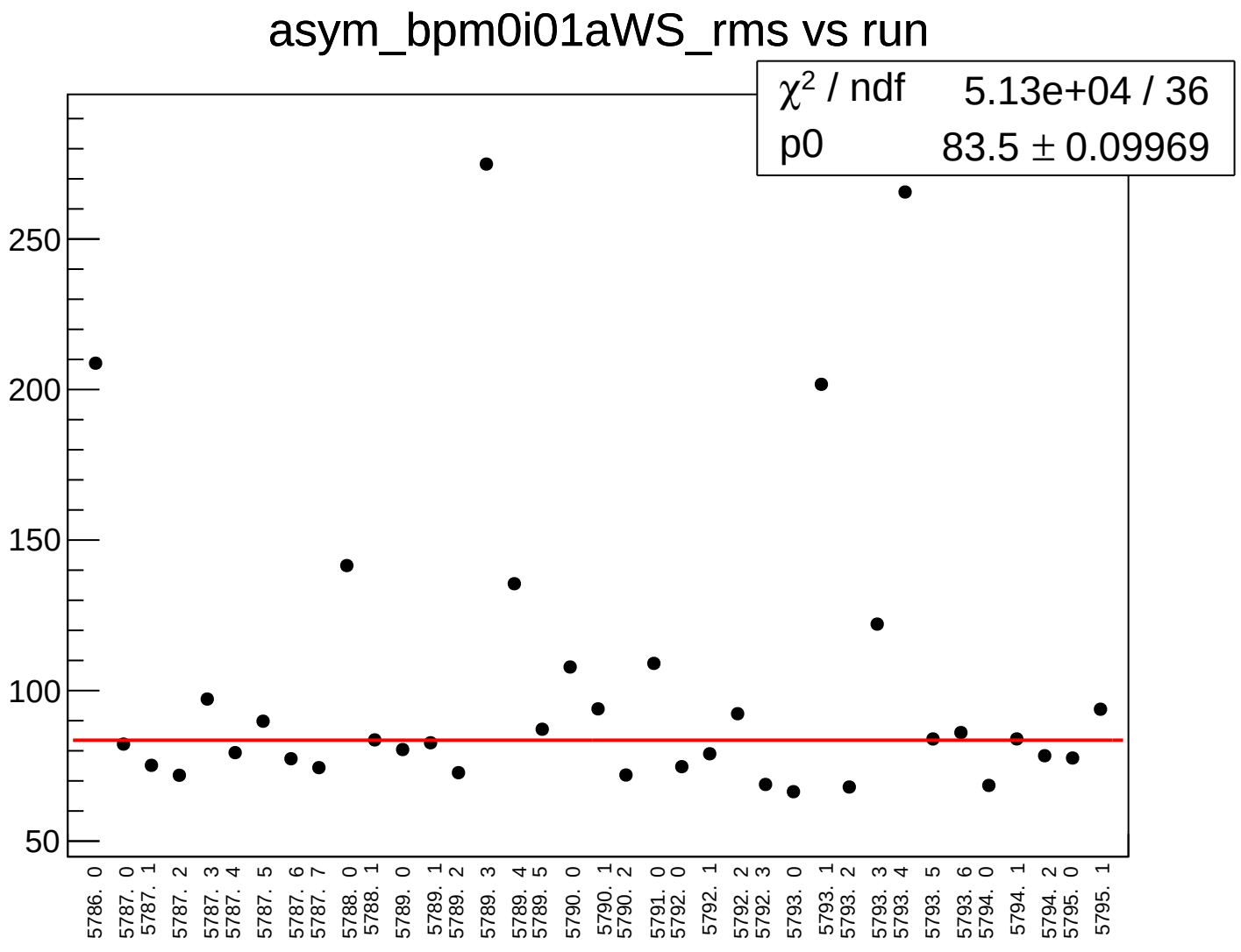

asym_bpm2i02WS_rms vs run
χ² / ndf 4.912e+04 / 36
p0 83.09 ± 0.09904
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

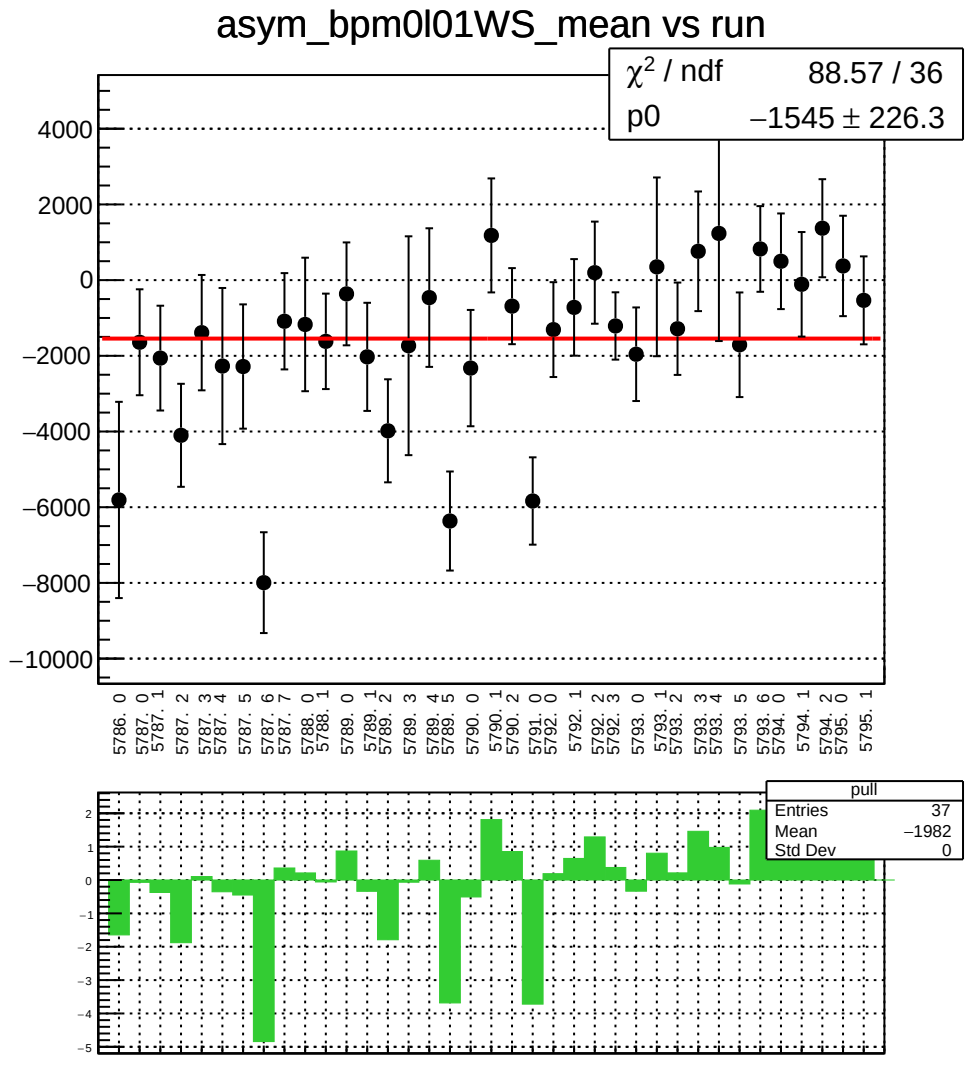

asym_bpm0i01WS_mean vs run
χ² / ndf 256.1 / 36
p0 2949 ± 188.3
pull
Entries 37
Mean 1113
Std Dev 0
pull1D
Entries 37
Mean −0.005696
Std Dev 2.631

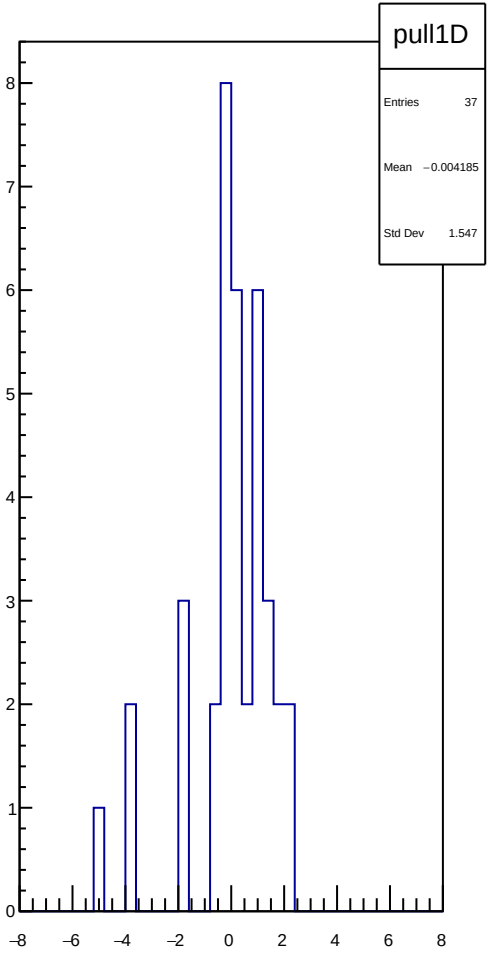

asym_bpm0i01WS_rms vs run
χ² / ndf 3.086e+04 / 36
p0 113.2 ± 0.1332
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

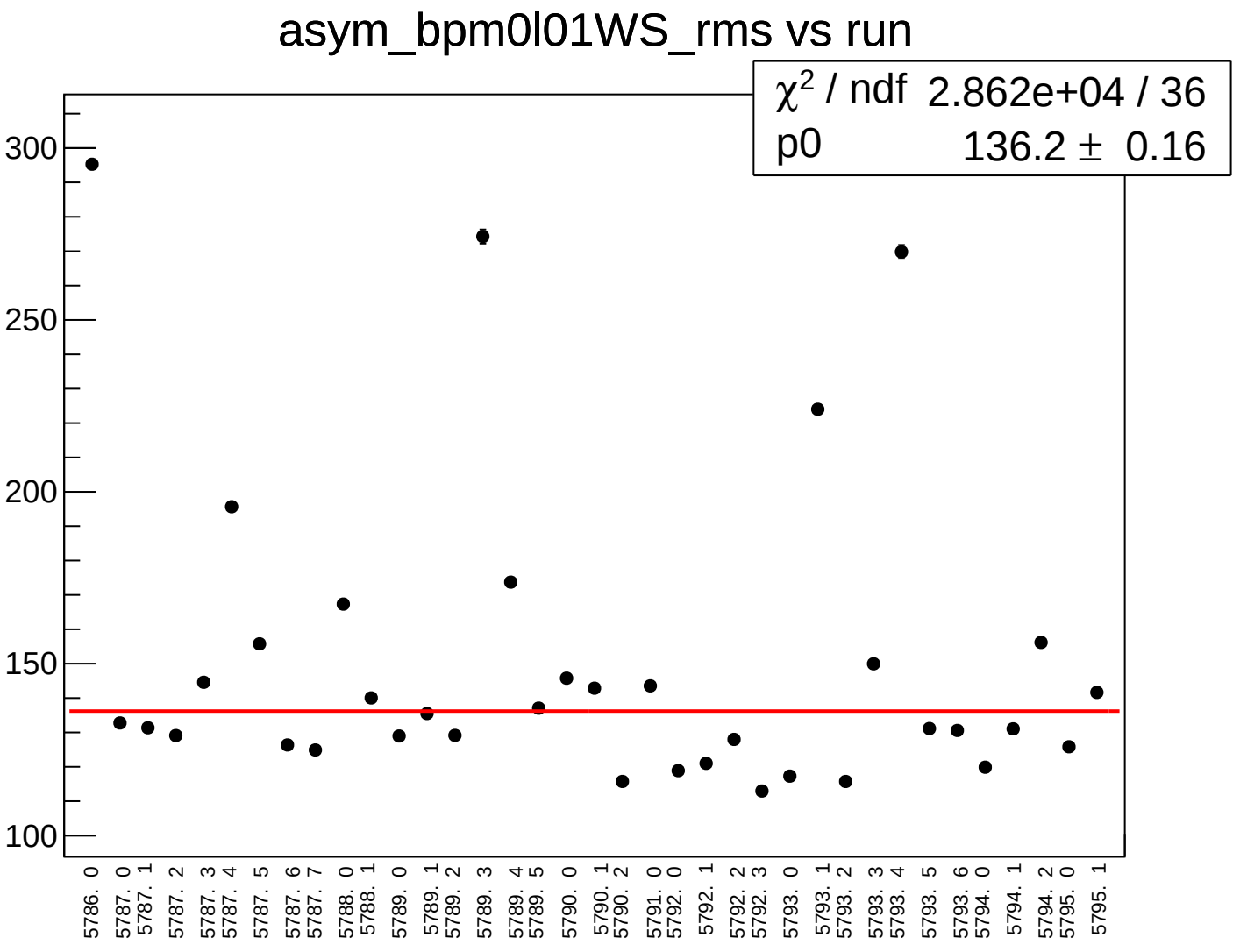

asym_bpm0i01aWS_mean vs run
χ² / ndf 432.4 / 36
p0 3796 ± 141
12000
10000
8000
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −939
Std Dev 0
6
4
2
0
−2
−4
−6
−8

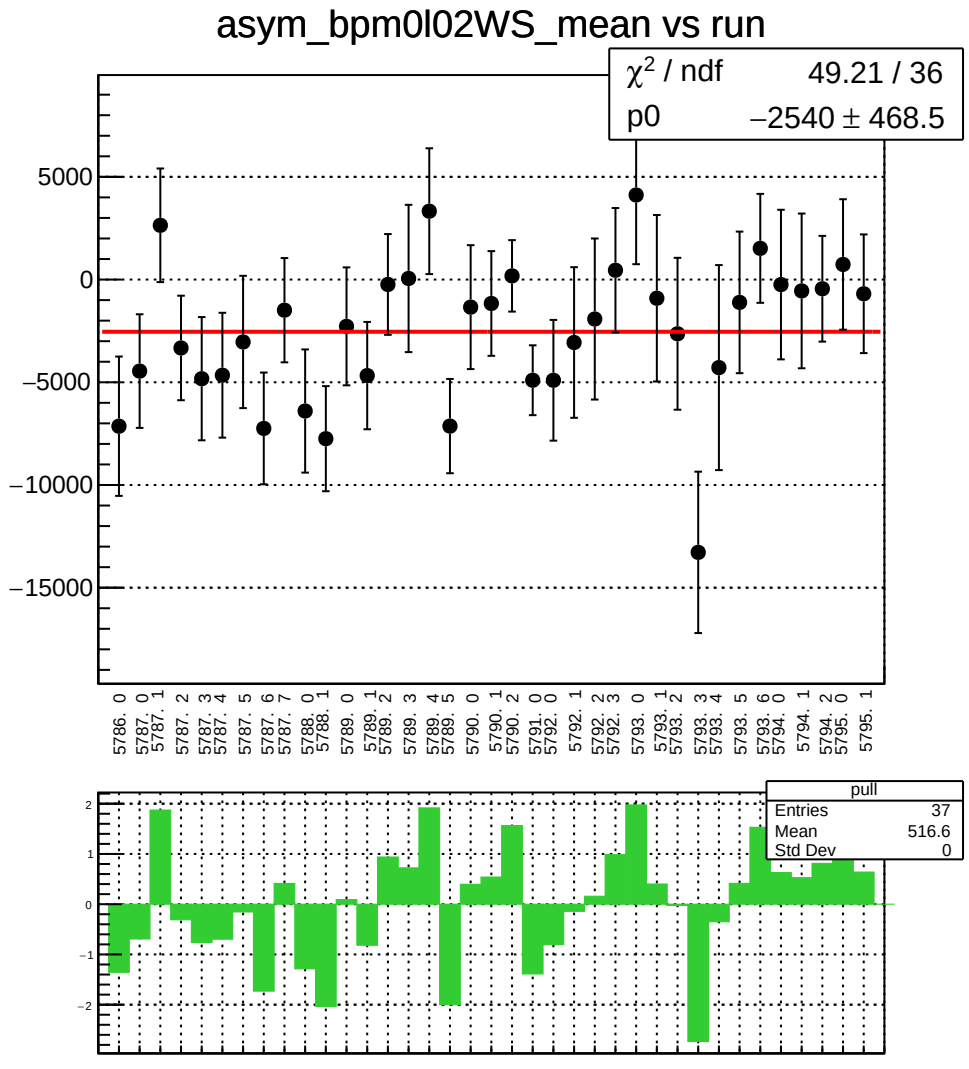

pull1D
Entries 37
Mean 0.2469
Std Dev 3.156
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

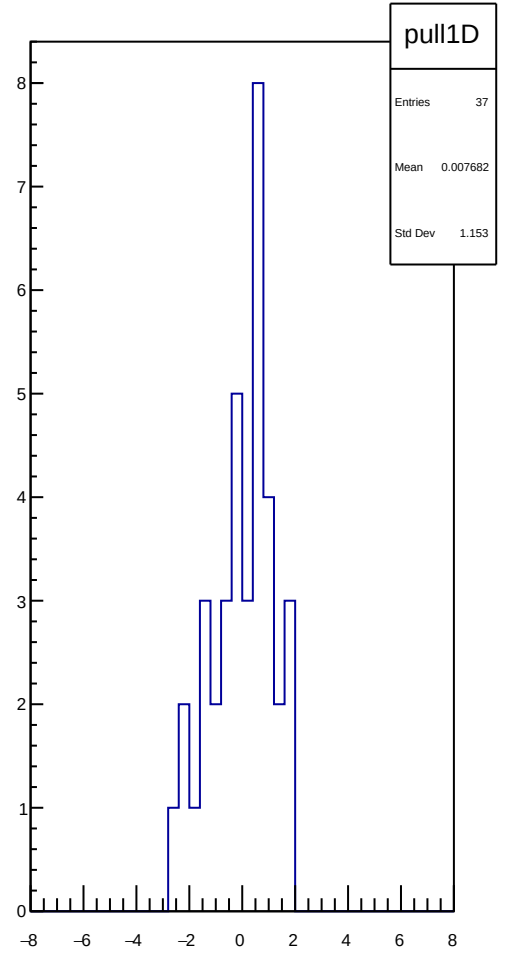

asym_bpm0i01aWS_rms vs run
χ² / ndf 5.13e+04 / 36
p0 83.5 ± 0.09969
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

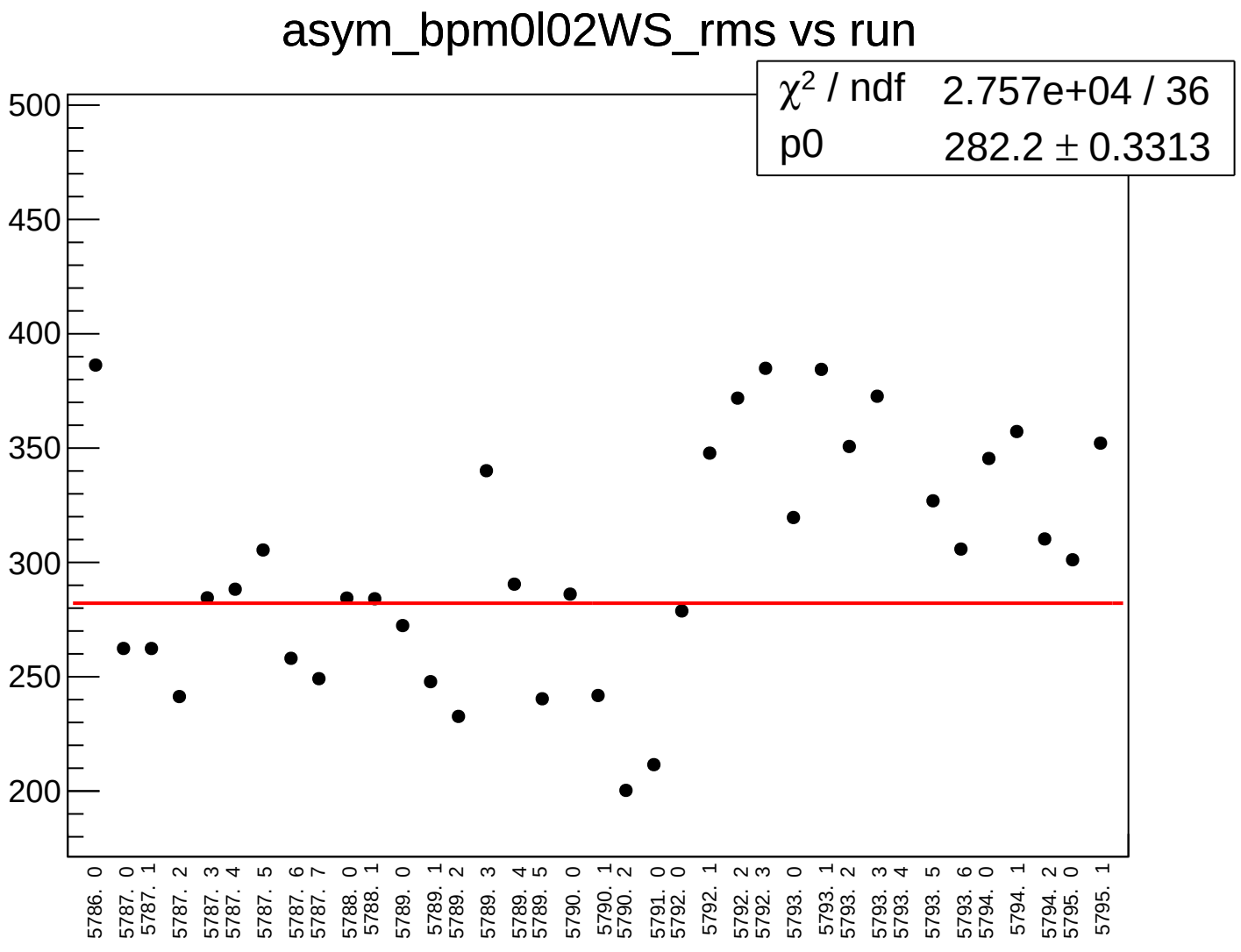

asym_bpm0l01WS_mean vs run
χ² / ndf 88.57 / 36
p0 −1545 ± 226.3
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1982
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

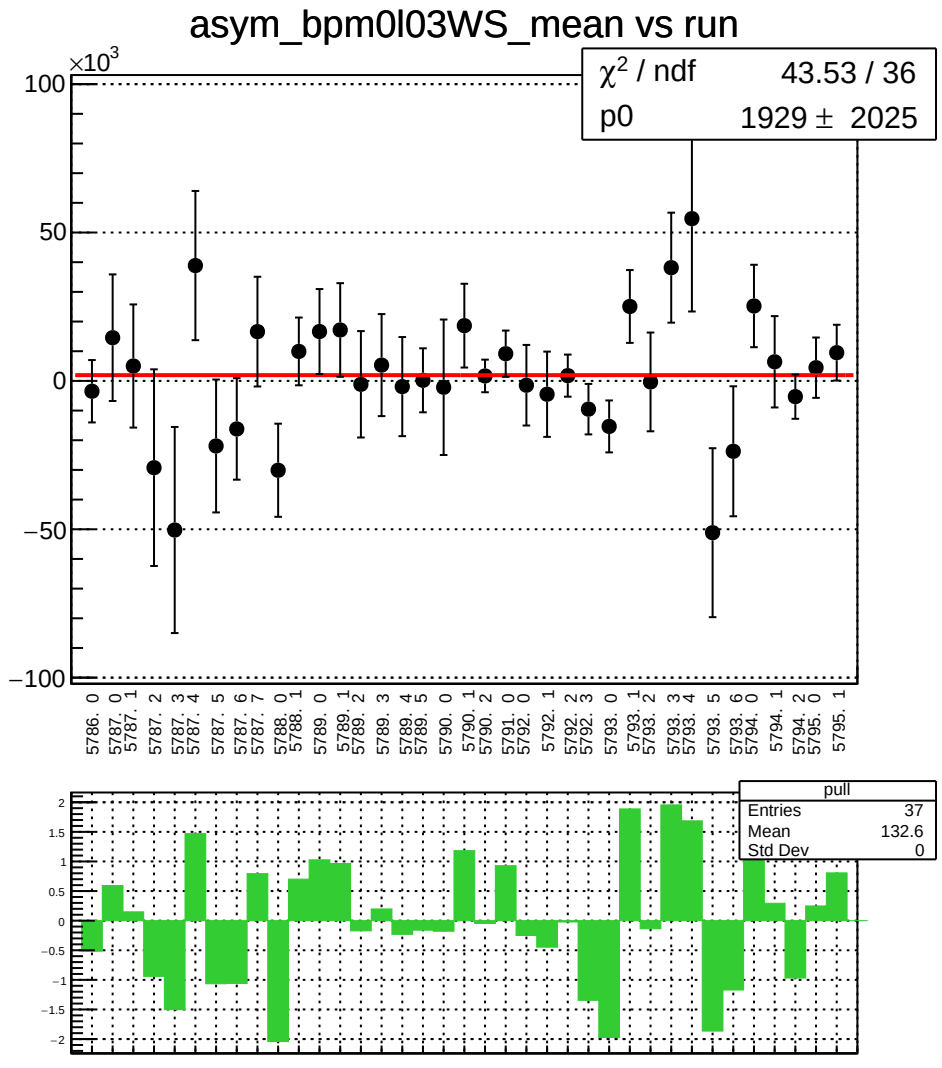

pull1D
Entries 37
Mean −0.004185
Std Dev 1.547
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

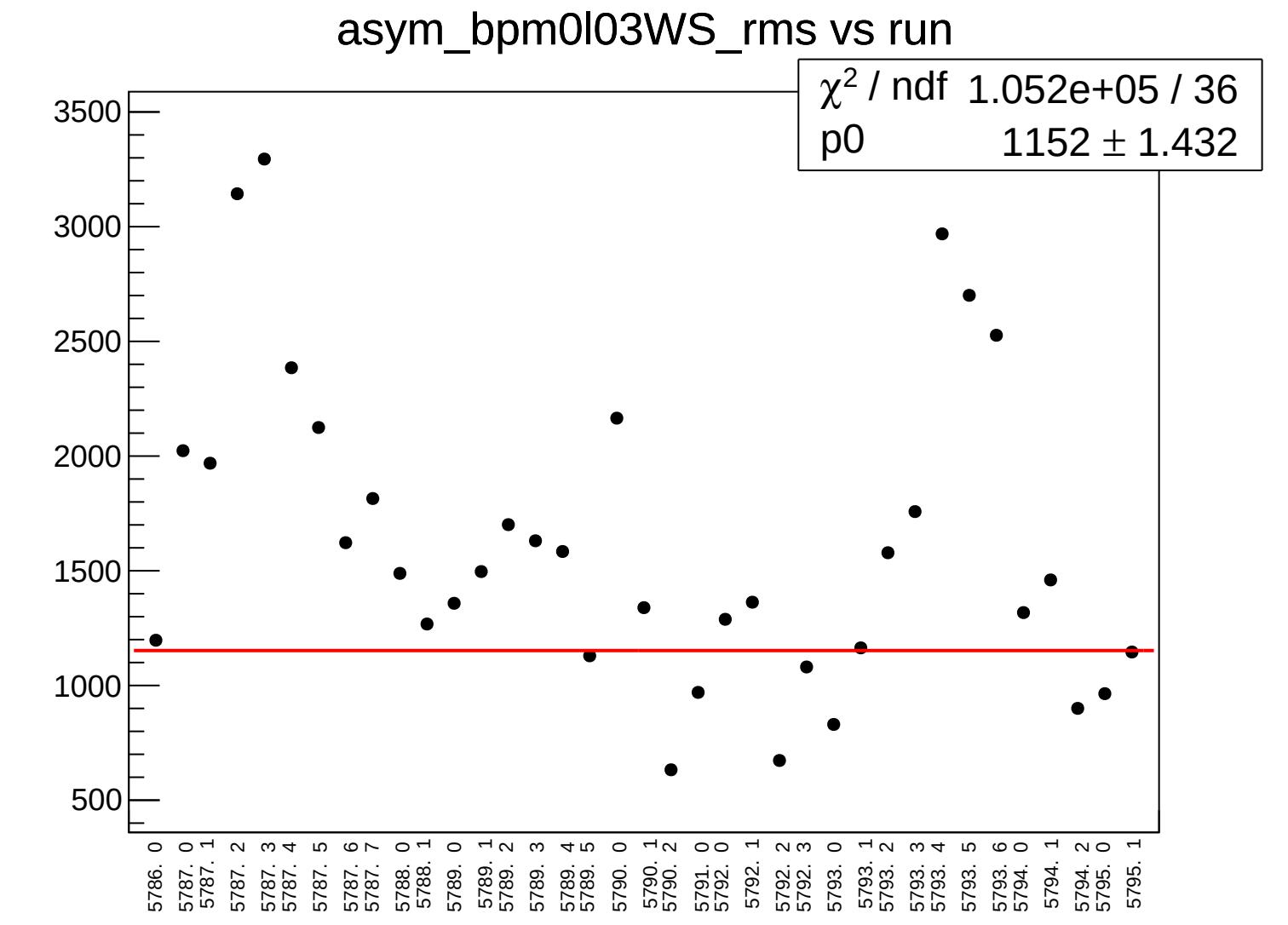

asym_bpm0l01WS_rms vs run
χ² / ndf 2.862e+04 / 36
p0 136.2 ± 0.16
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

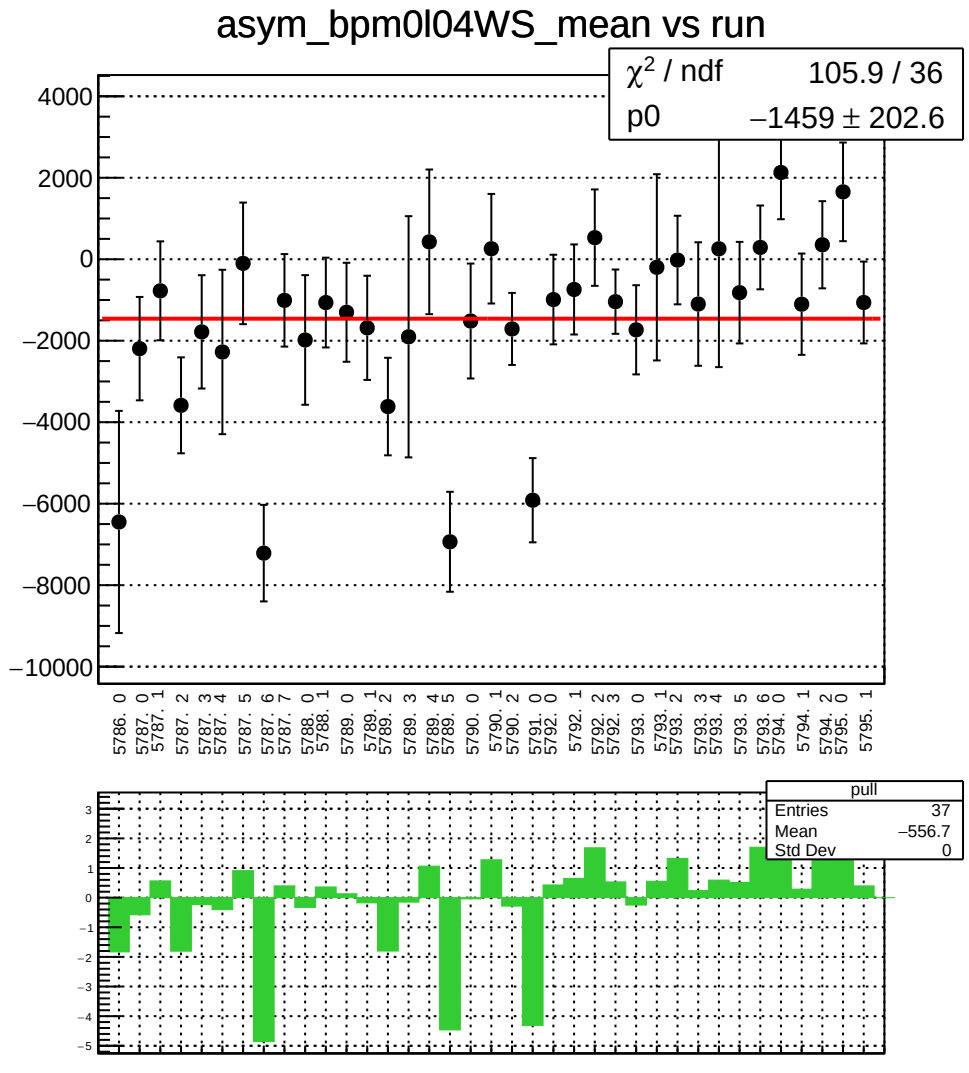

asym_bpm0l02WS_mean vs run
χ² / ndf 49.21 / 36
p0 −2540 ± 468.5
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 516.6
Std Dev 0
2
1
0
−1
−2

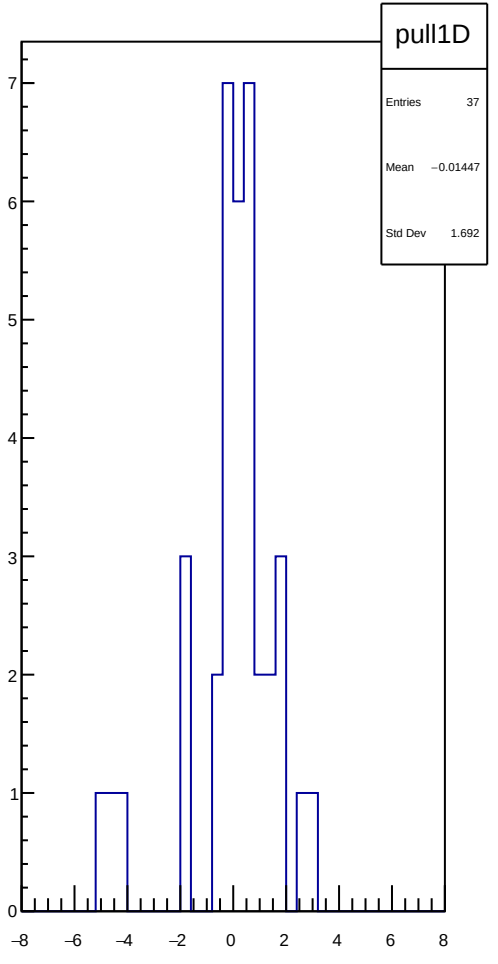

pull1D
Entries 37
Mean 0.007682
Std Dev 1.153
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

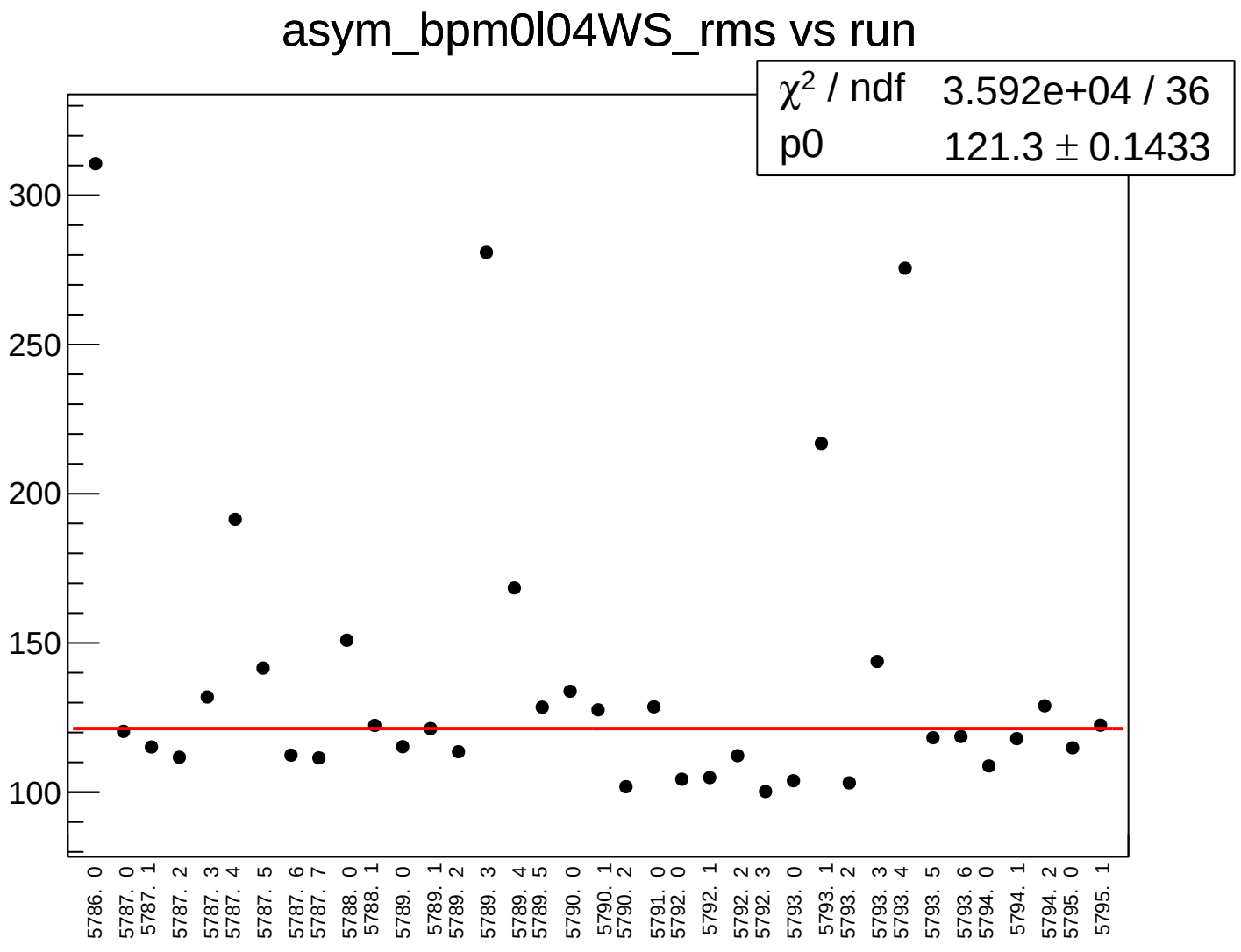

asym_bpm0l02WS_rms vs run
χ² / ndf 2.757e+04 / 36
p0 282.2 ± 0.3313
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

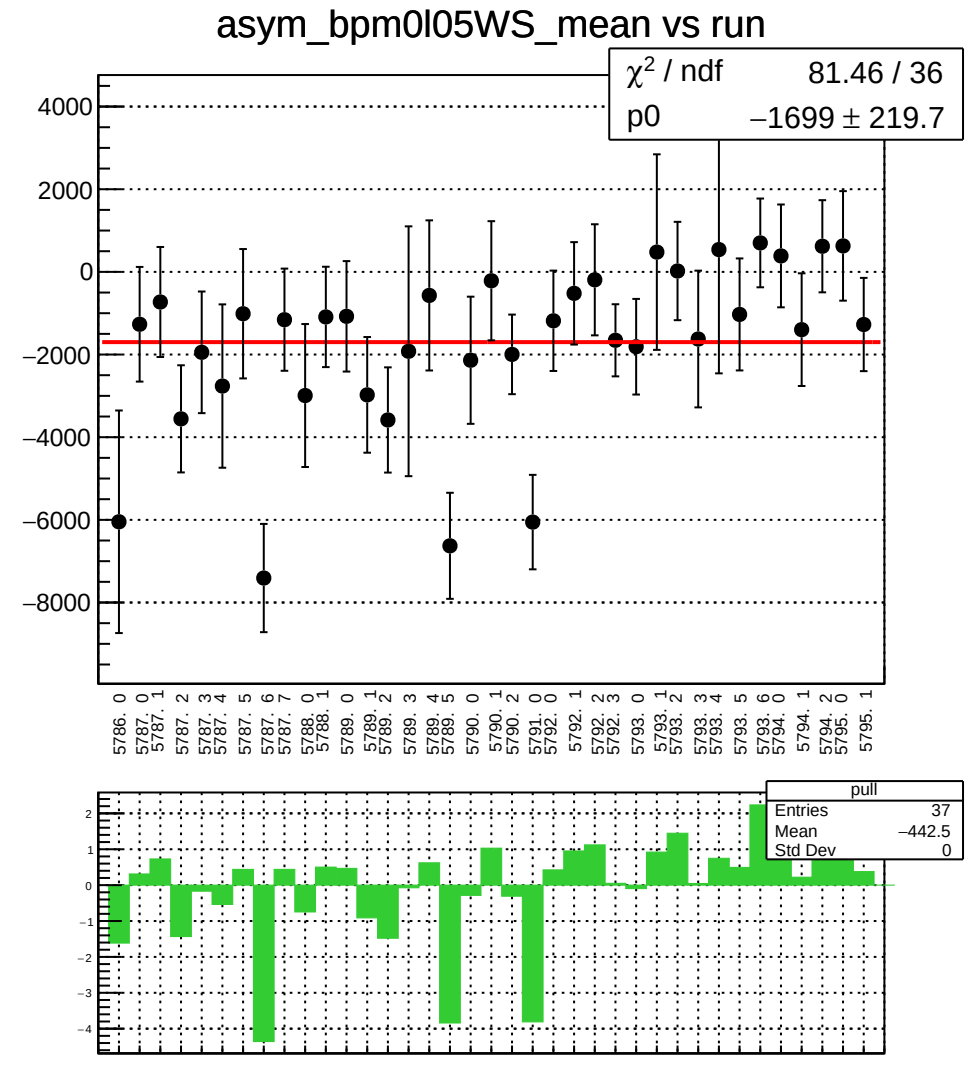

asym_bpm0l03WS_mean vs run
×10^3
100
50
0
−50
−100
χ² / ndf 43.53 / 36
p0 1929 ± 2025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 132.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01259
Std Dev 1.085
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

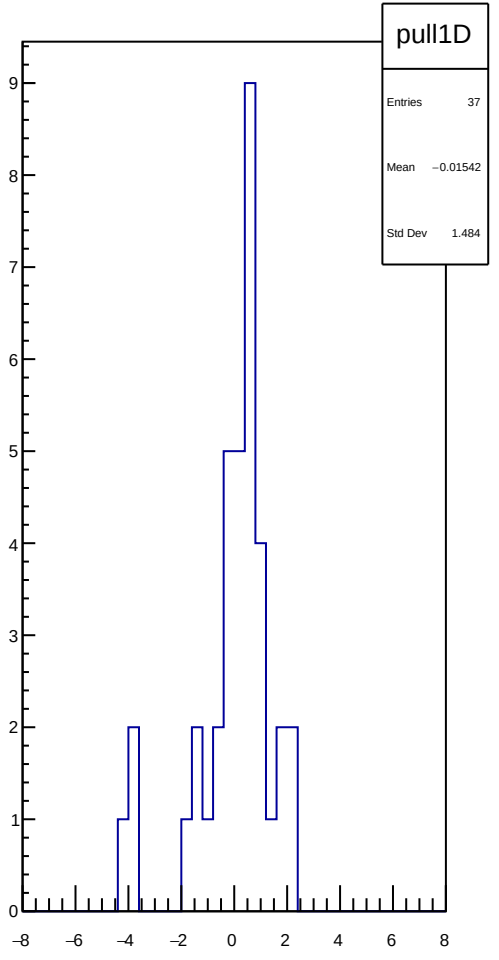

asym_bpm0l03WS_rms vs run
χ² / ndf 1.052e+05 / 36
p0 1152 ± 1.432
3500
3000
2500
2000
1500
1000
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

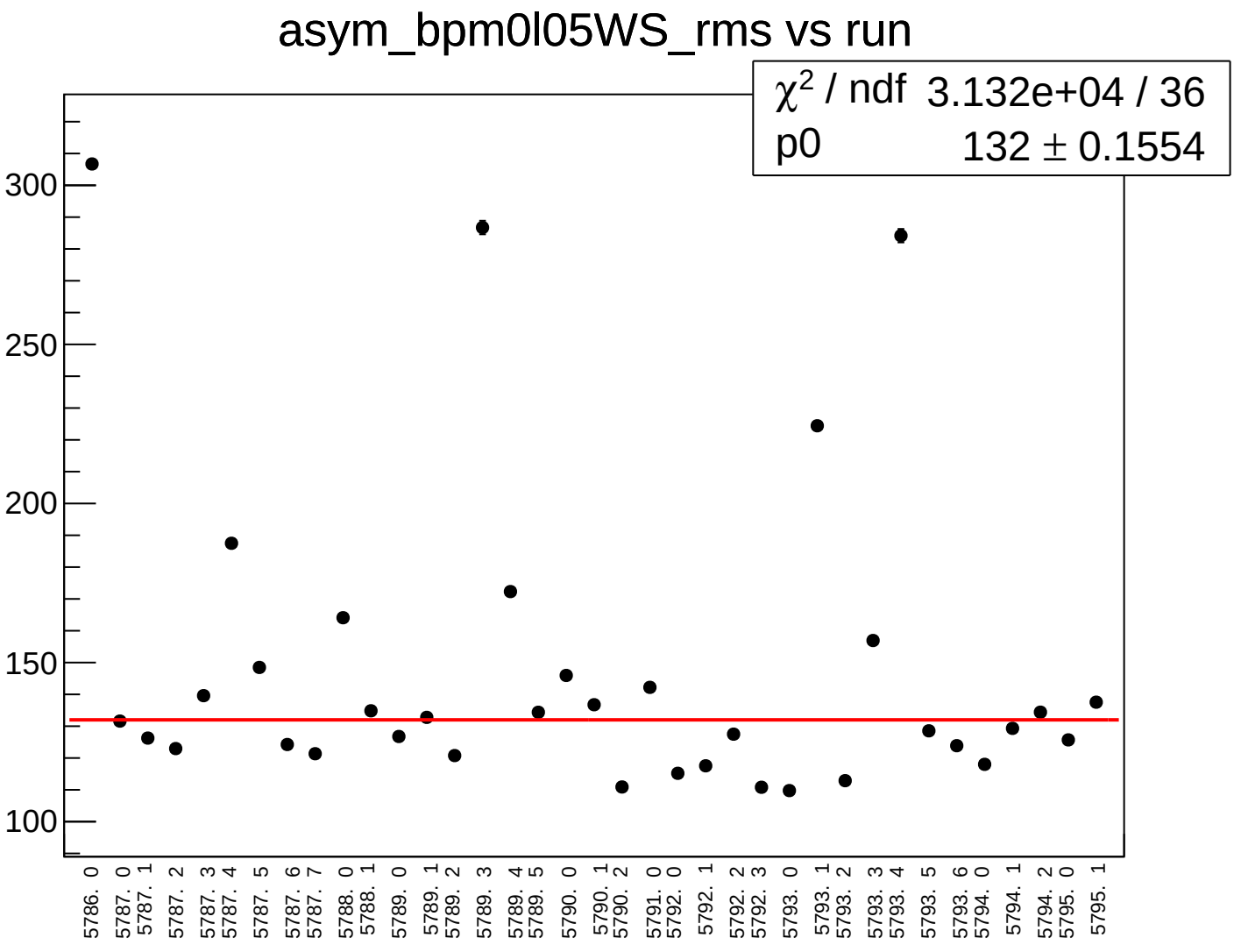

asym_bpm0l04WS_mean vs run
χ² / ndf 105.9 / 36
p0 −1459 ± 202.6
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −556.7
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

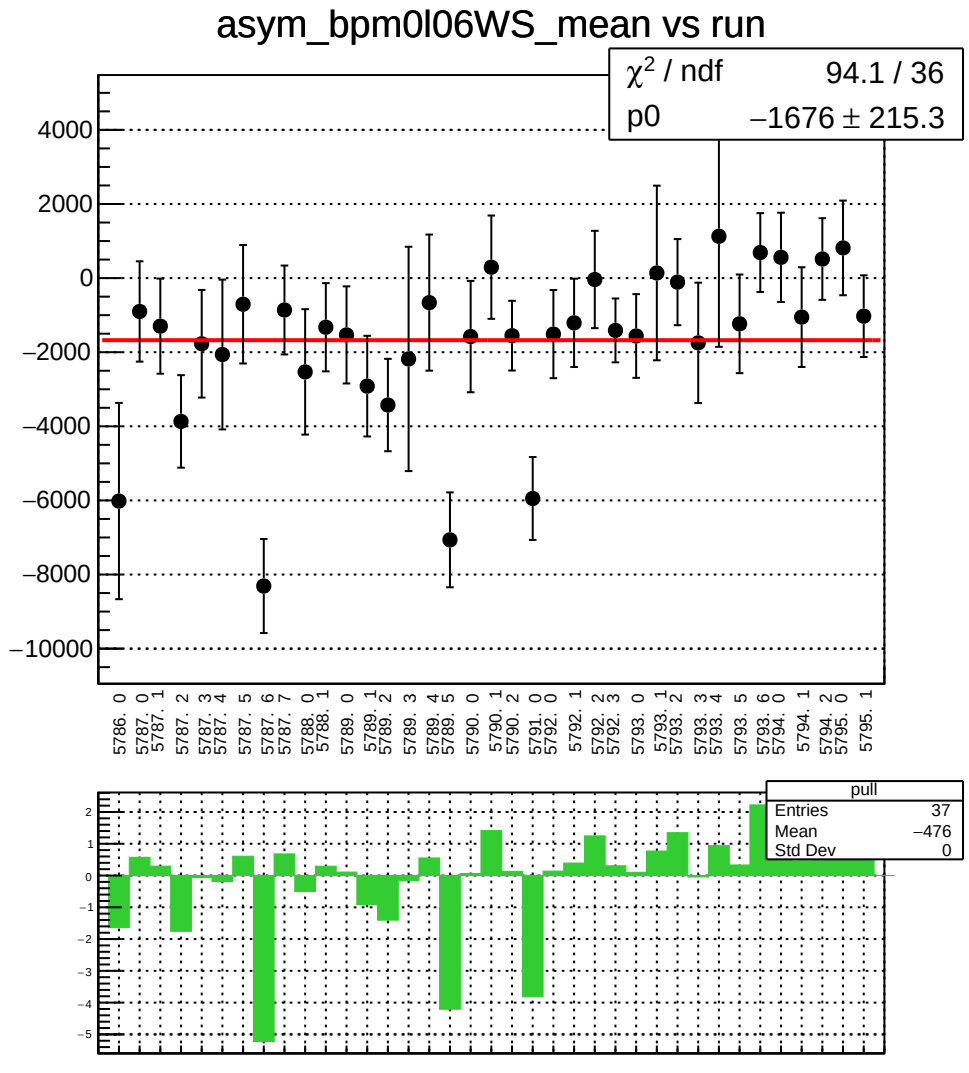

pull1D
Entries 37
Mean −0.01447
Std Dev 1.692
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

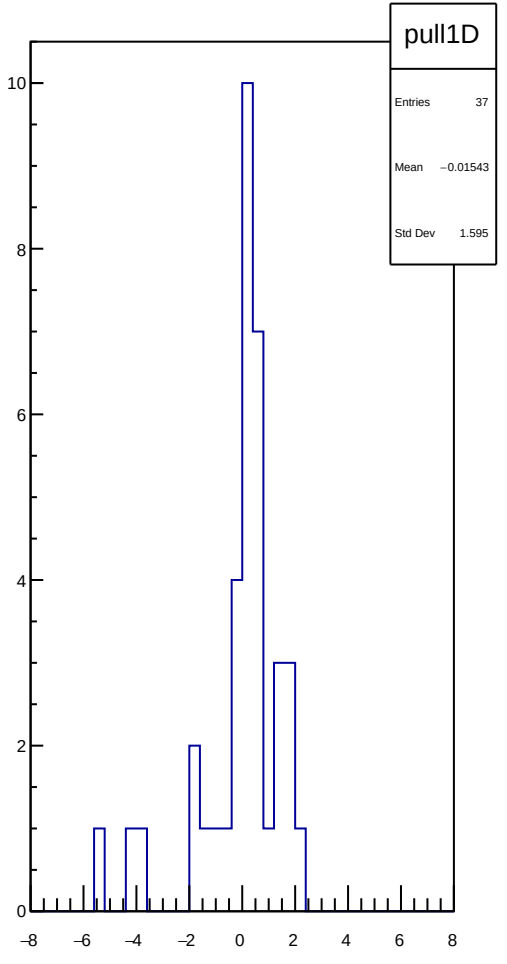

asym_bpm0l04WS_rms vs run
χ² / ndf 3.592e+04 / 36
p0 121.3 ± 0.1433
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

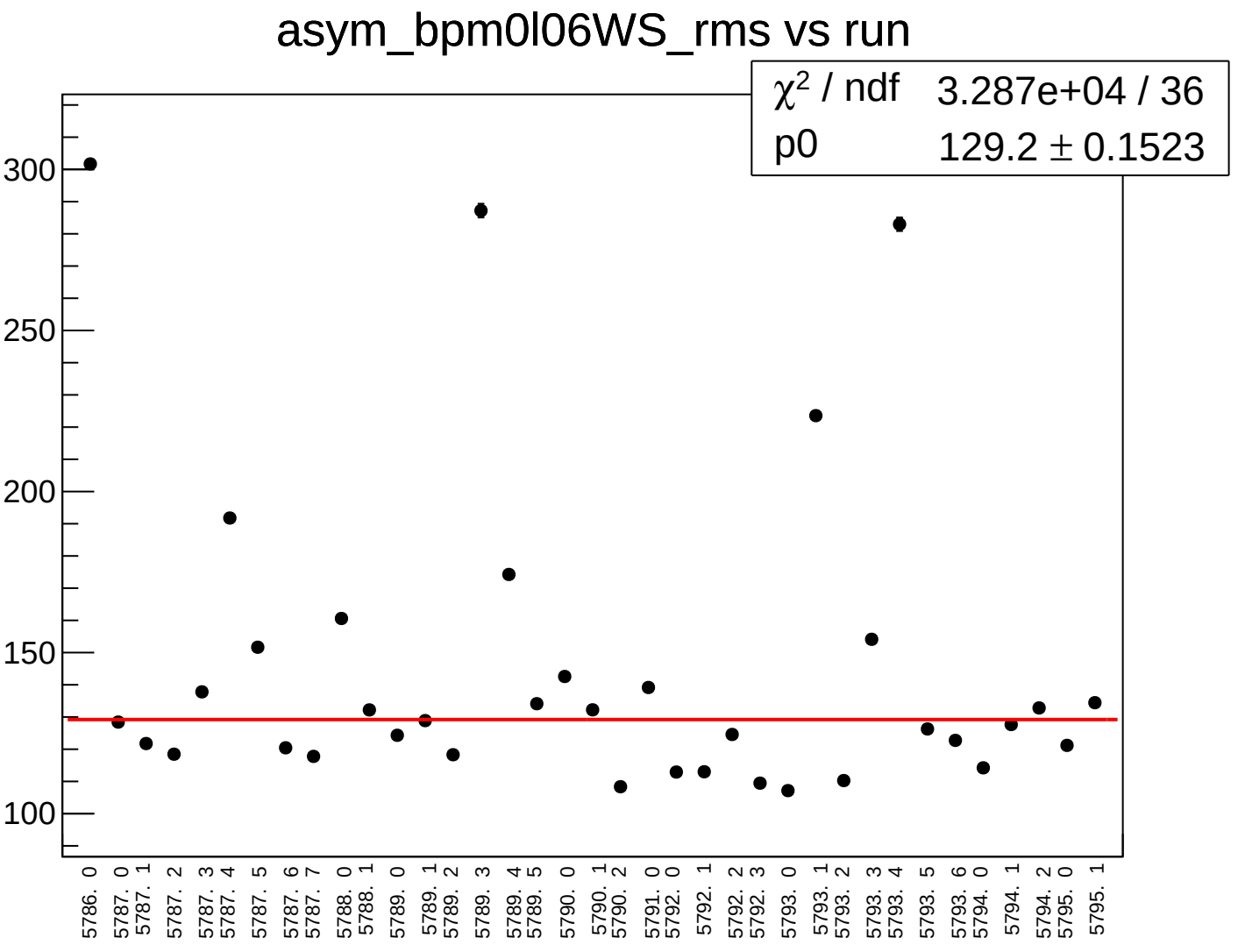

asym_bpm0l05WS_mean vs run
χ² / ndf 81.46 / 36
p0 −1699 ± 219.7
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −442.5
Std Dev 0
2
1
0
−1
−2
−3
−4

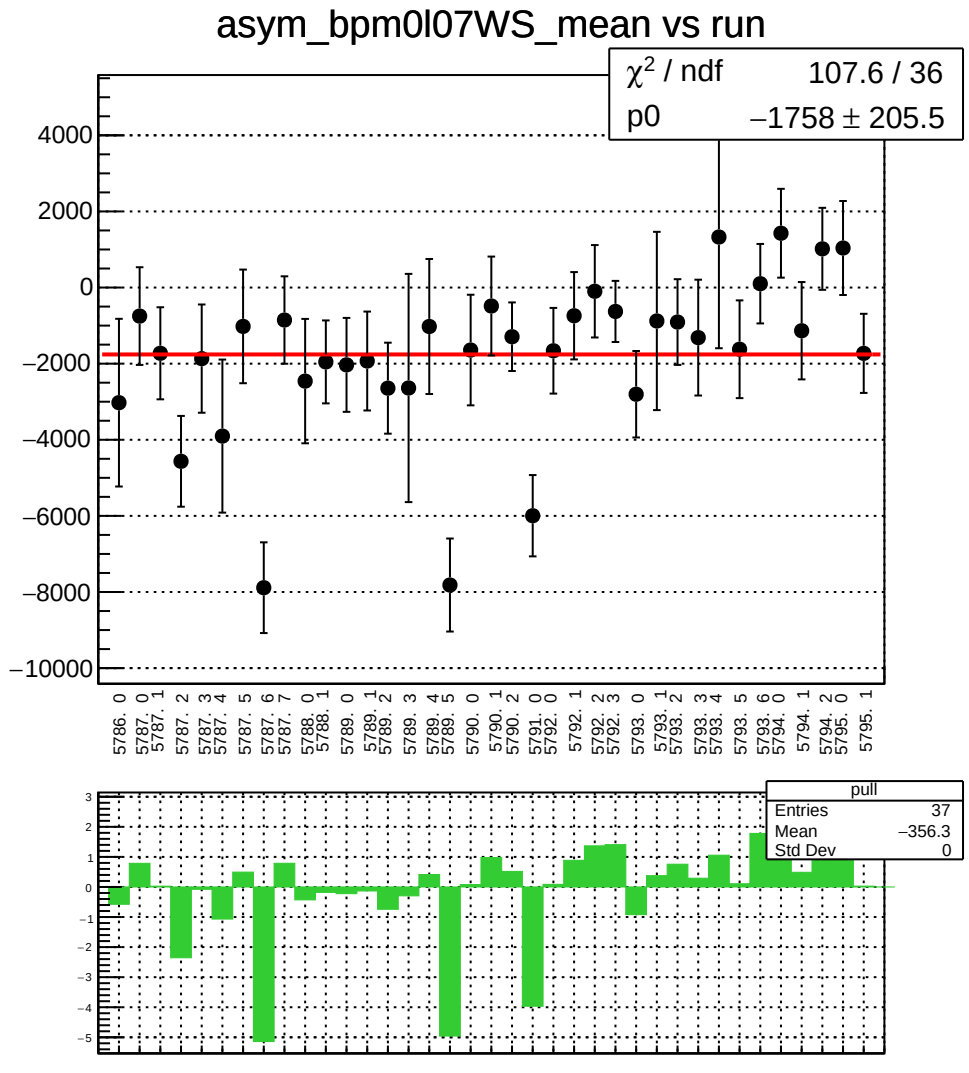

pull1D
Entries 37
Mean −0.01542
Std Dev 1.484
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

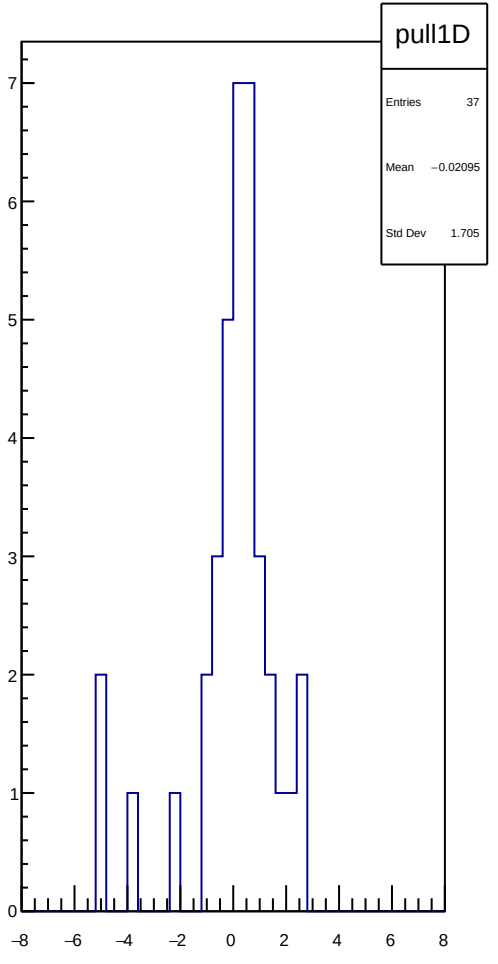

asym_bpm0l05WS_rms vs run
χ² / ndf 3.132e+04 / 36
p0 132 ± 0.1554
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

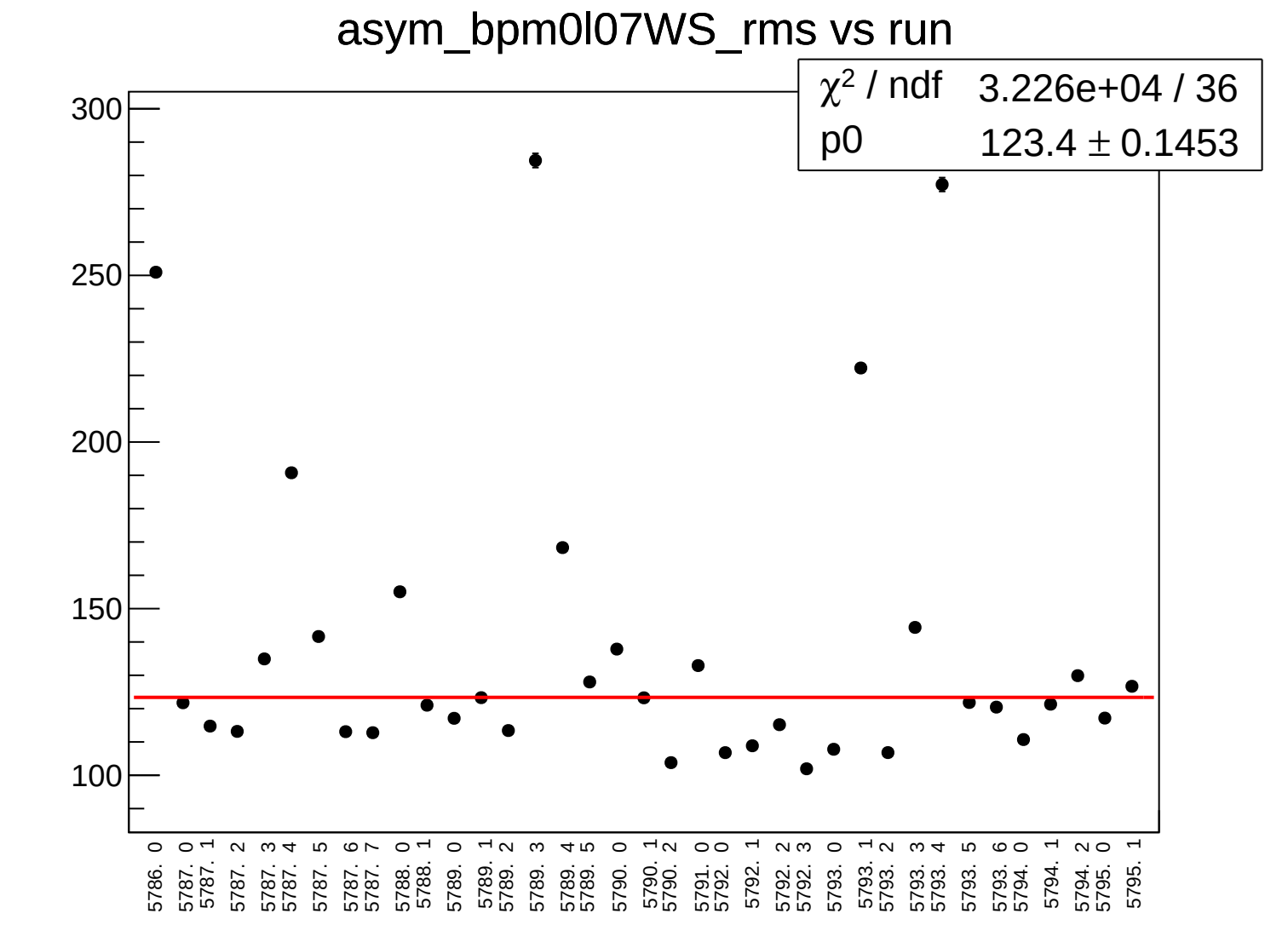

asym_bpm0l06WS_mean vs run
χ² / ndf 94.1 / 36
p0 −1676 ± 215.3
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −476
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

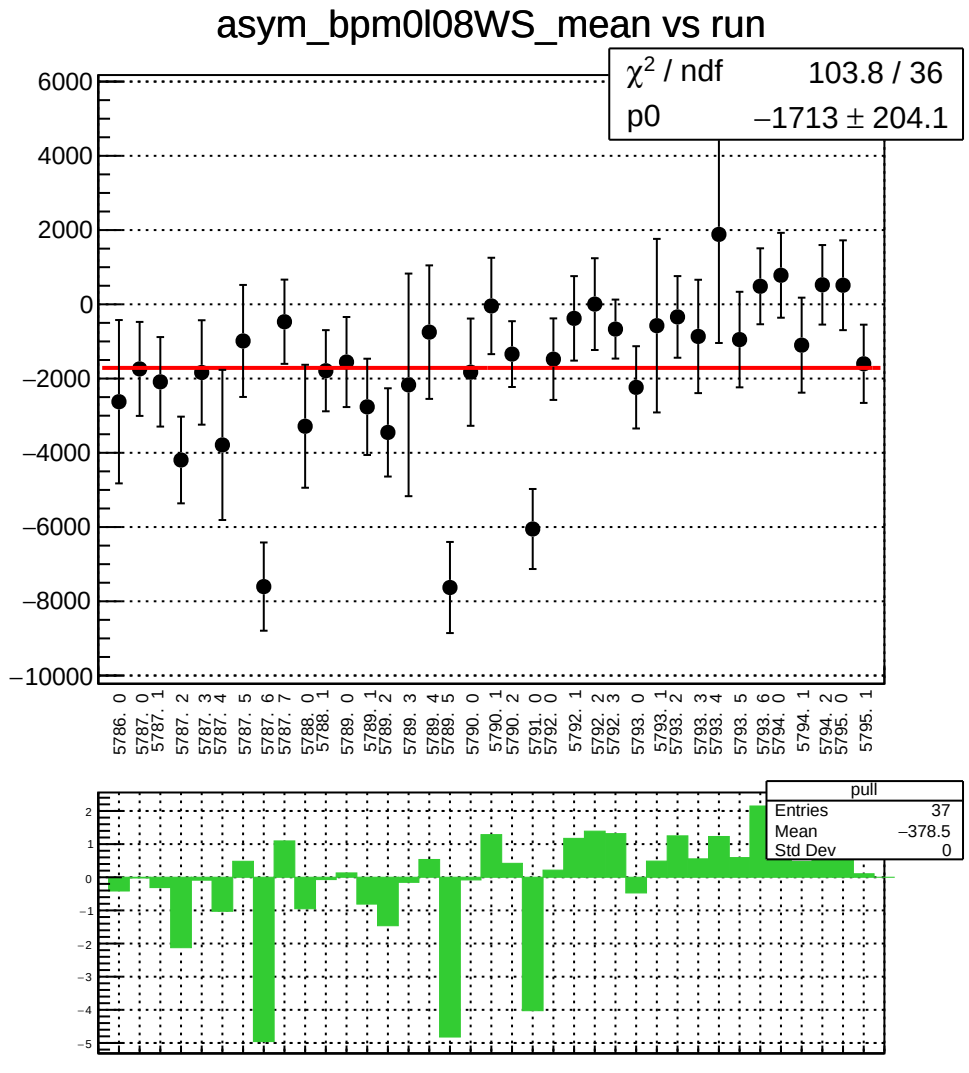

pull1D
Entries 37
Mean −0.01543
Std Dev 1.595
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

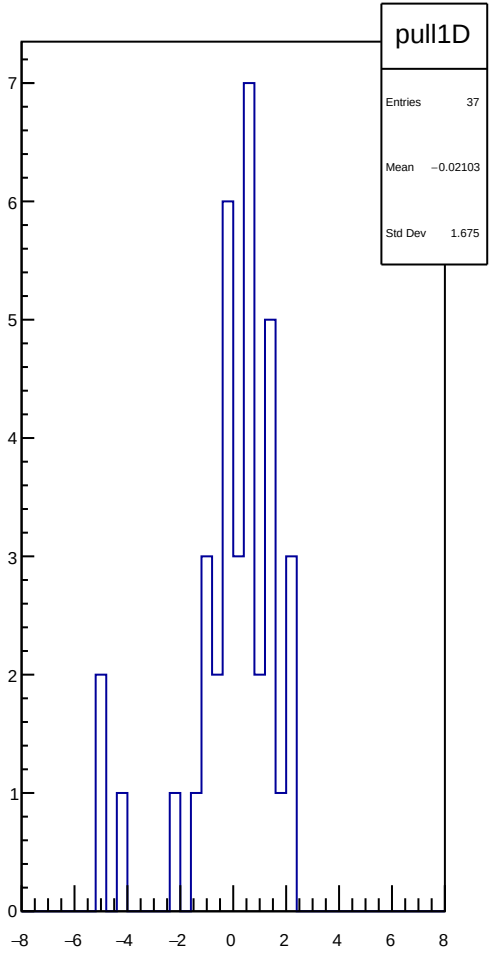

asym_bpm0l06WS_rms vs run
χ² / ndf 3.287e+04 / 36
p0 129.2 ± 0.1523
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

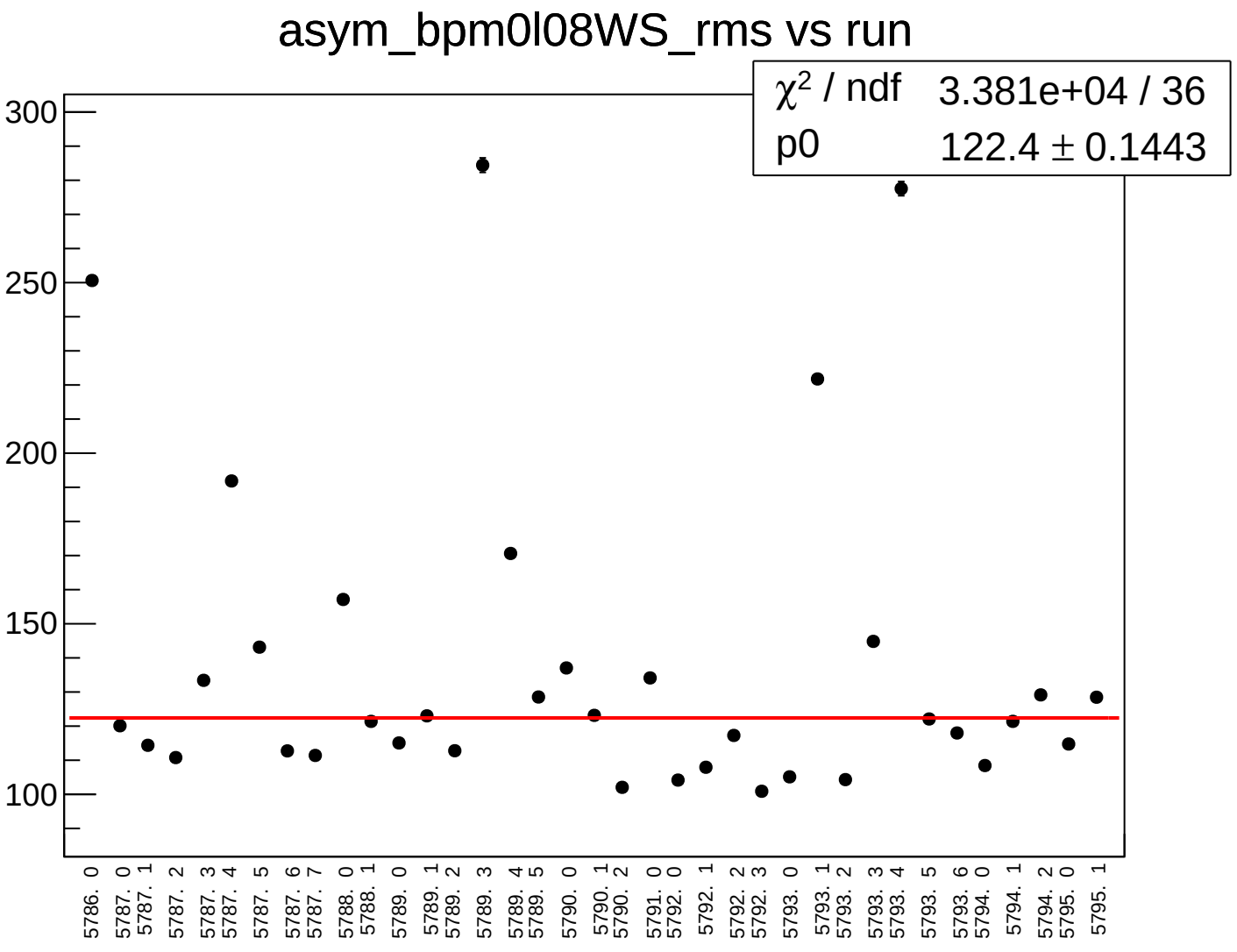

asym_bpm0l07WS_mean vs run
χ² / ndf 107.6 / 36
p0 −1758 ± 205.5
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −356.3
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

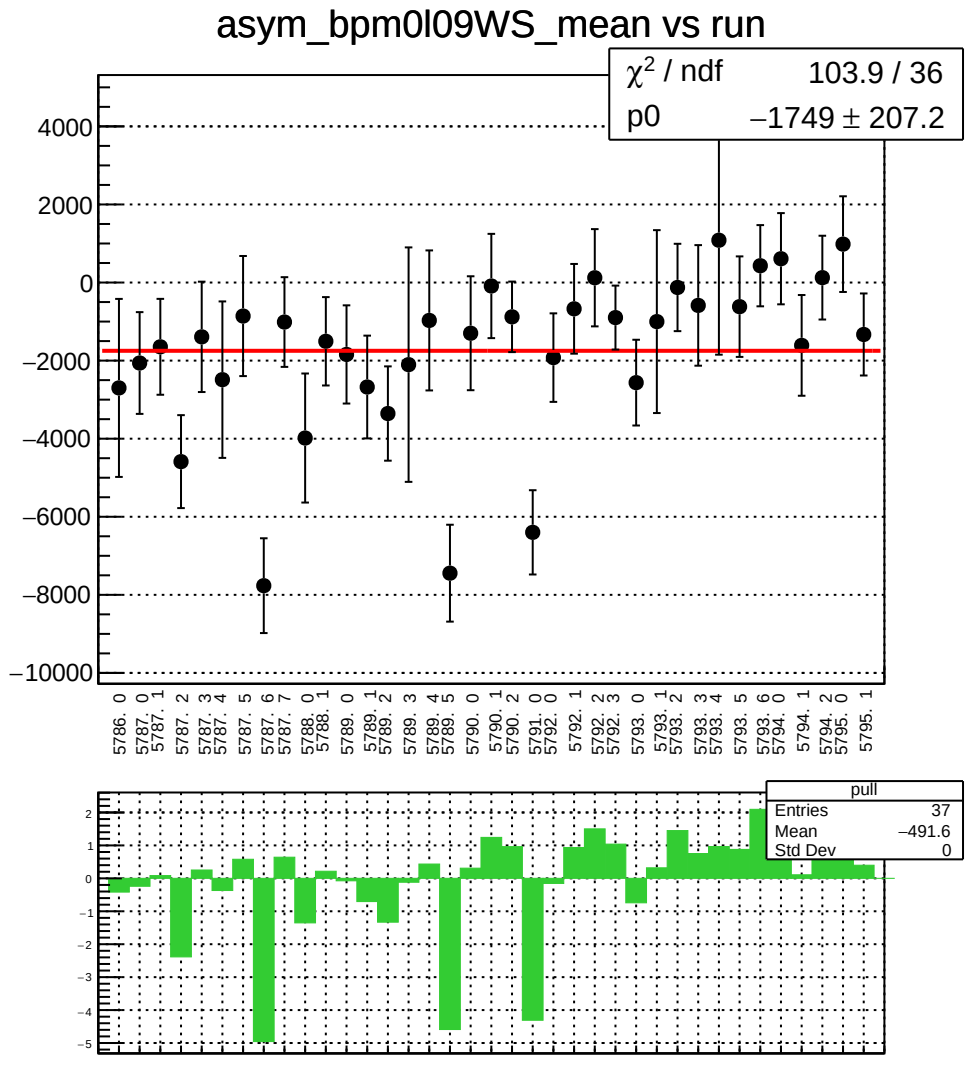

pull1D
Entries 37
Mean −0.02095
Std Dev 1.705
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

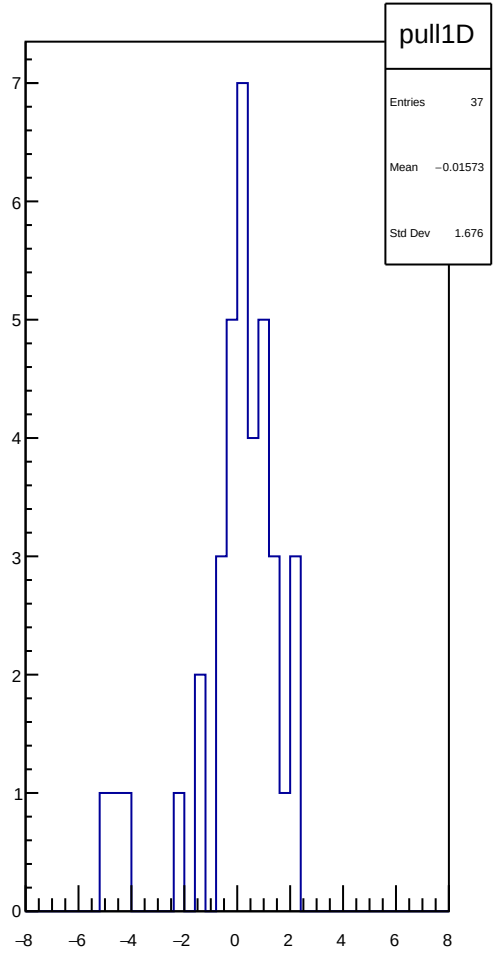

asym_bpm0l07WS_rms vs run
χ² / ndf 3.226e+04 / 36
p0 123.4 ± 0.1453
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

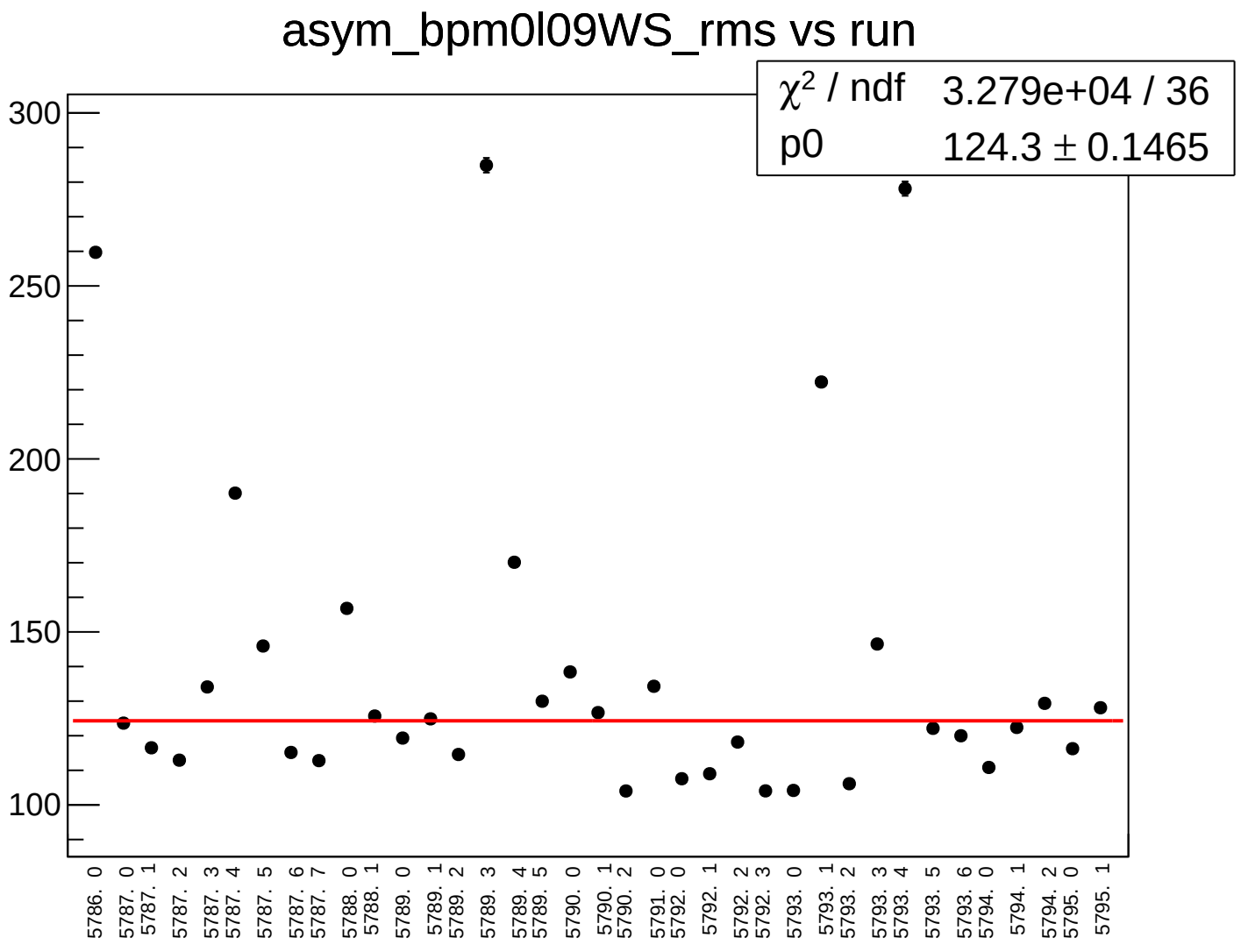

asym_bpm0l08WS_mean vs run
χ² / ndf 103.8 / 36
p0 −1713 ± 204.1
pull
Entries 37
Mean −378.5
Std Dev 0

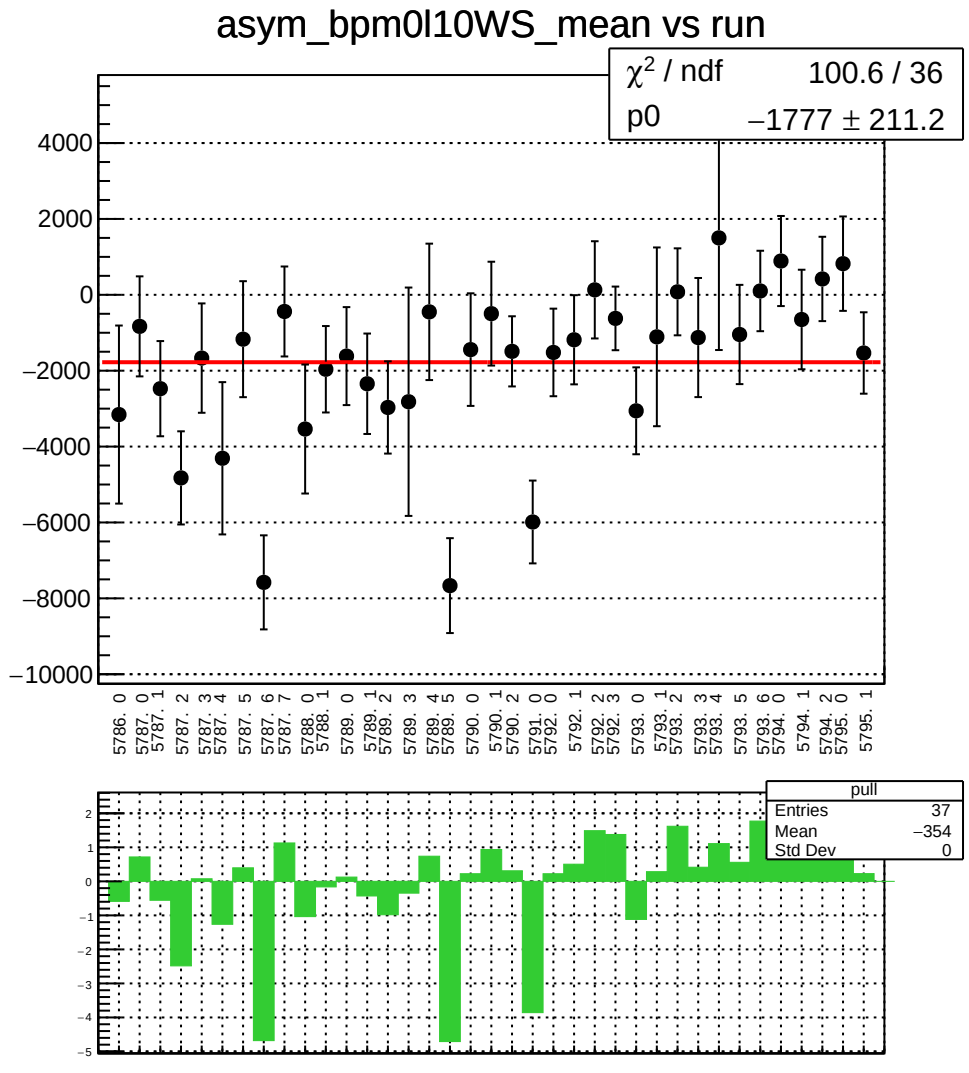

pull1D
Entries 37
Mean −0.02103
Std Dev 1.675

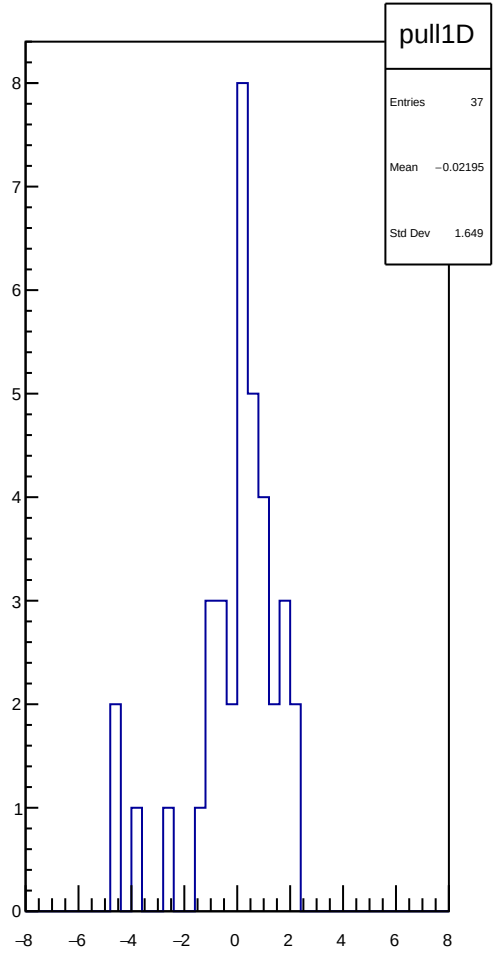

asym_bpm0l08WS_rms vs run
χ² / ndf 3.381e+04 / 36
p0 122.4 ± 0.1443
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

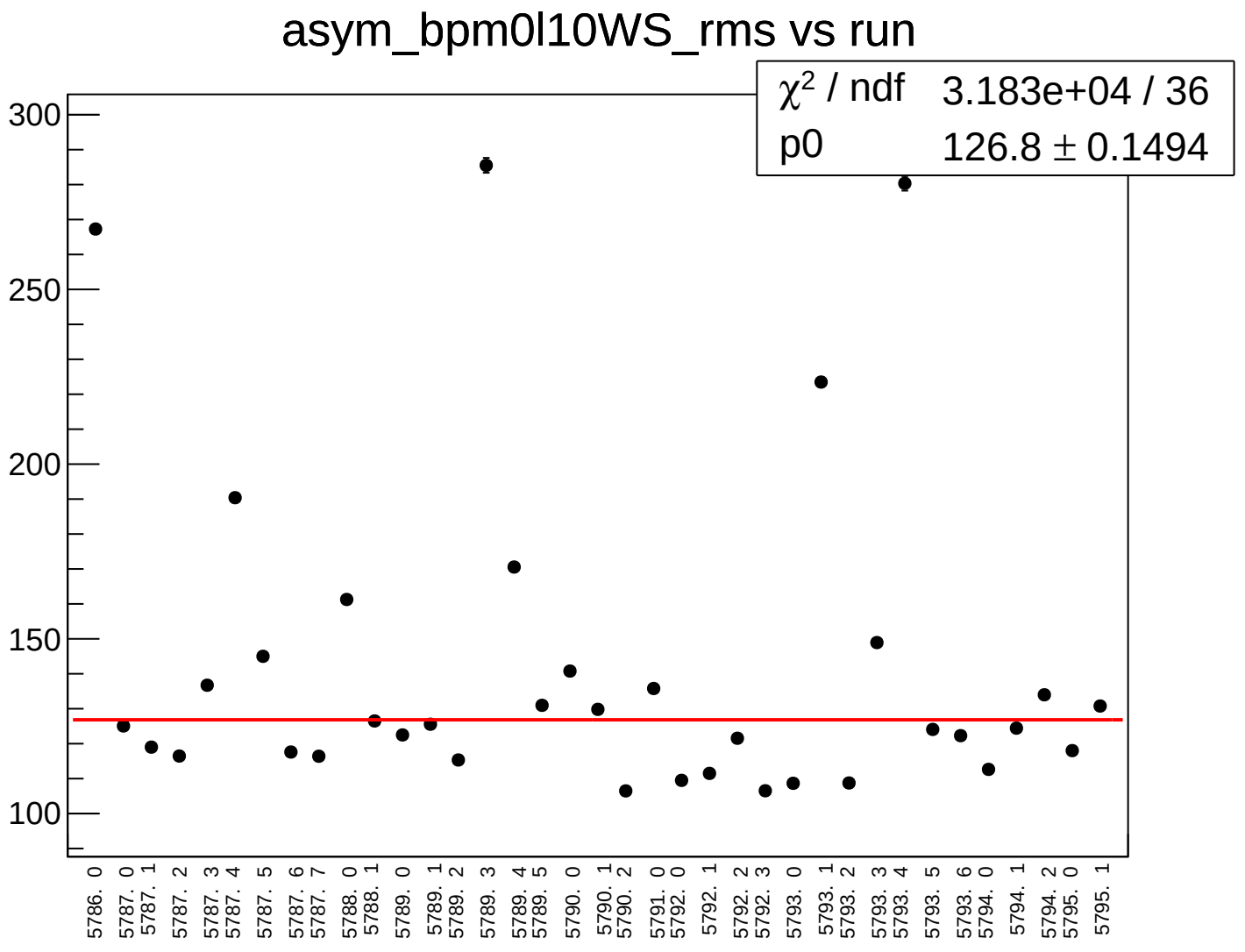

asym_bpm0l09WS_mean vs run
χ² / ndf 103.9 / 36
p0 −1749 ± 207.2
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −491.6
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

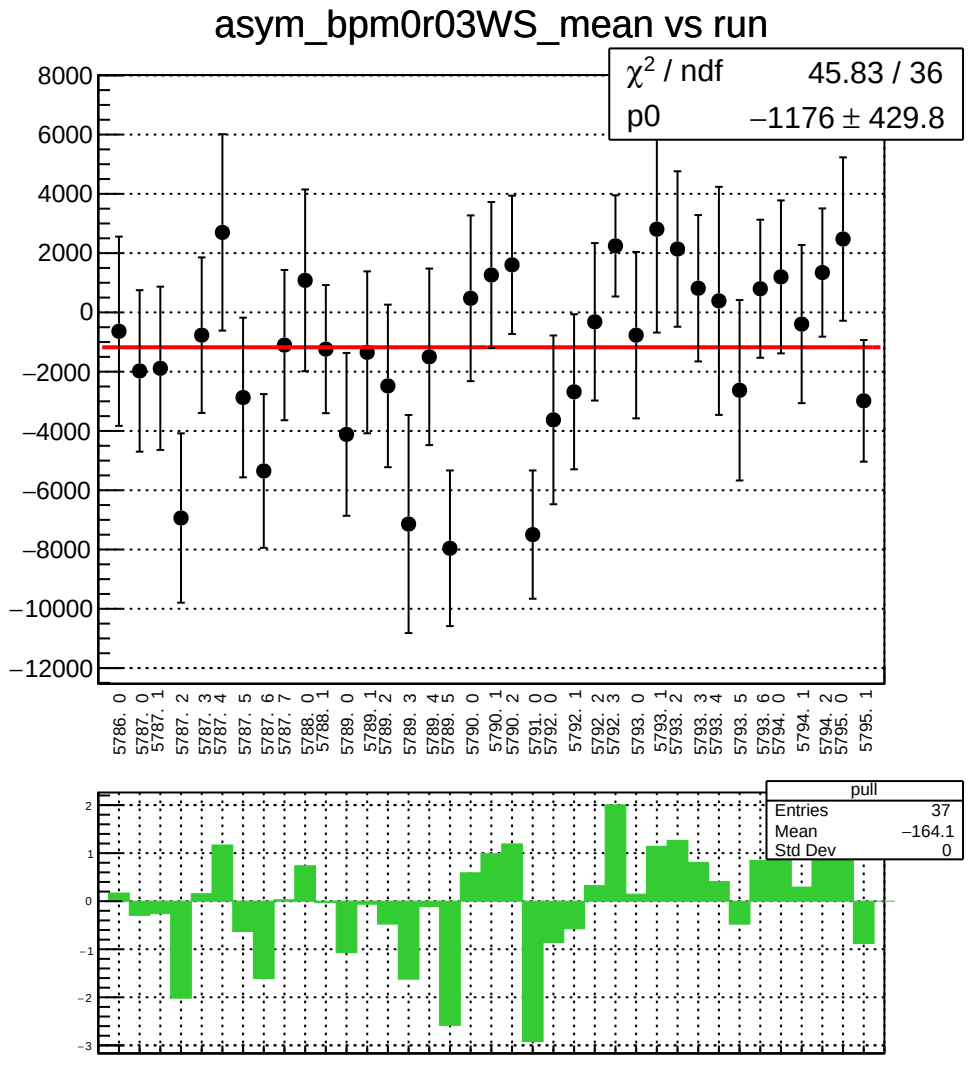

pull1D
Entries 37
Mean −0.01573
Std Dev 1.676
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

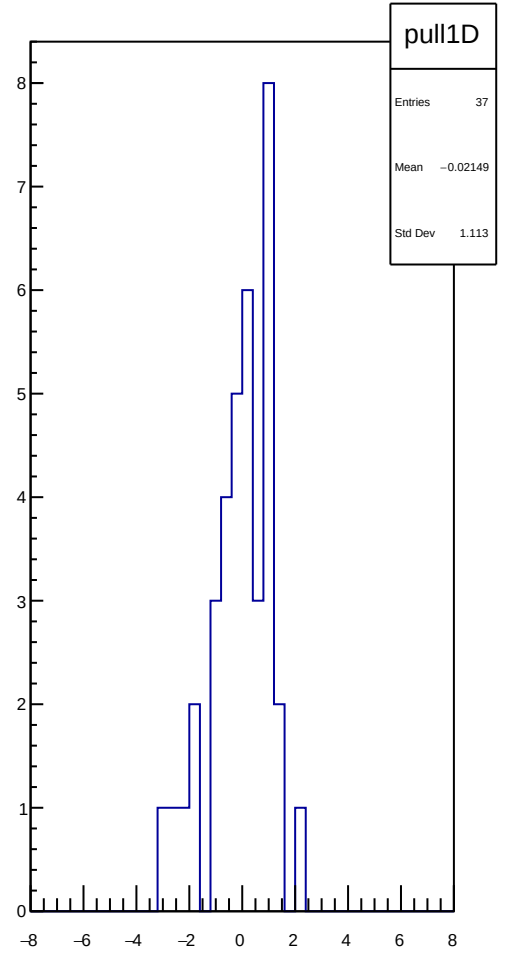

asym_bpm0l09WS_rms vs run
χ² / ndf 3.279e+04 / 36
p0 124.3 ± 0.1465
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

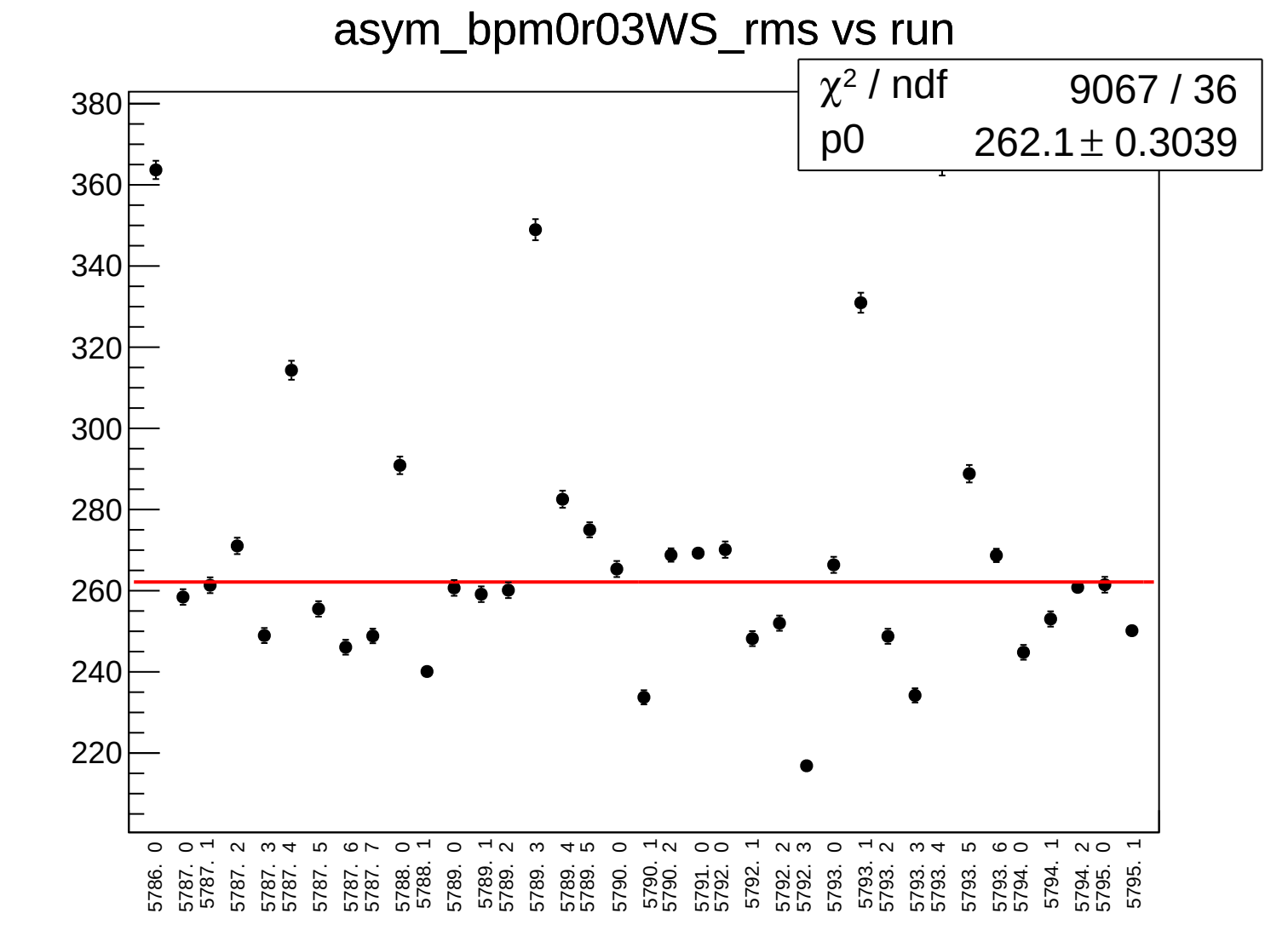

asym_bpm0l10WS_mean vs run
χ² / ndf 100.6 / 36
p0 −1777 ± 211.2
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −354
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

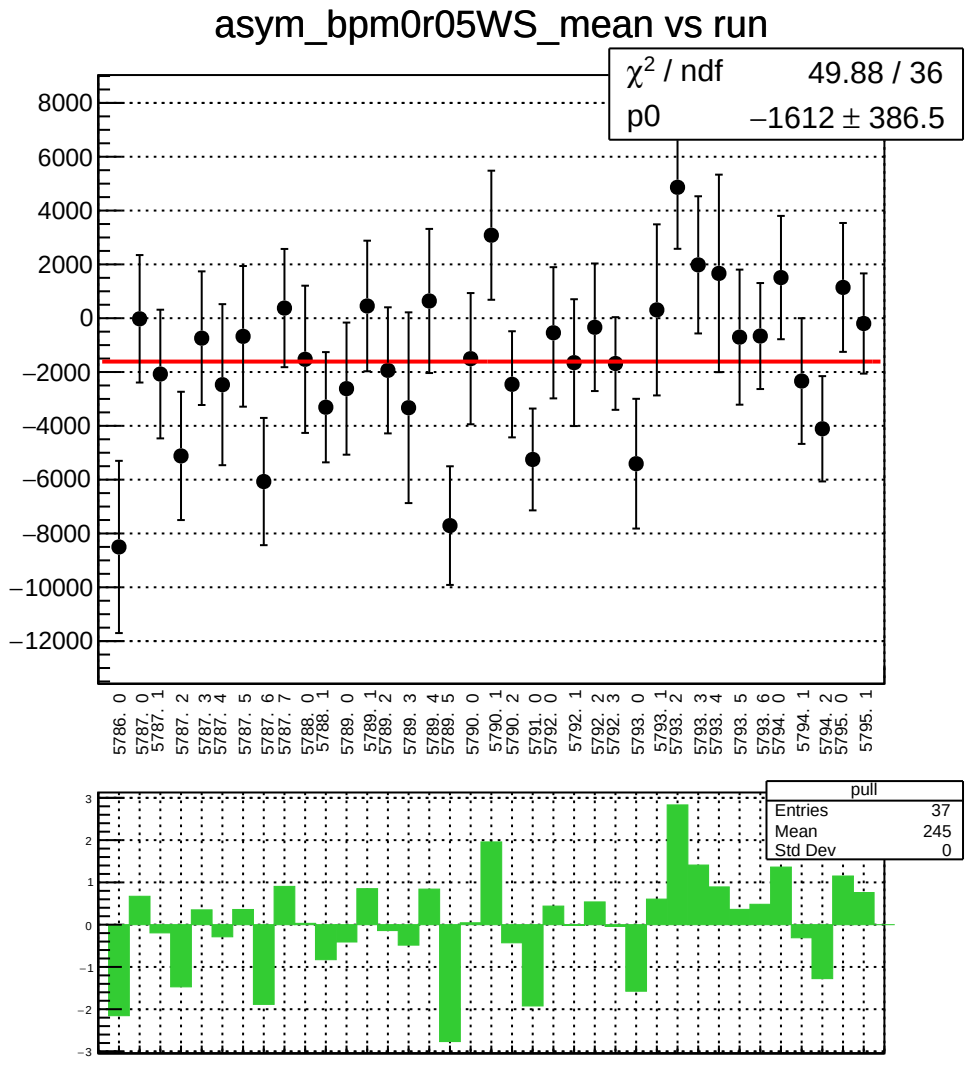

pull1D
Entries 37
Mean −0.02195
Std Dev 1.649
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

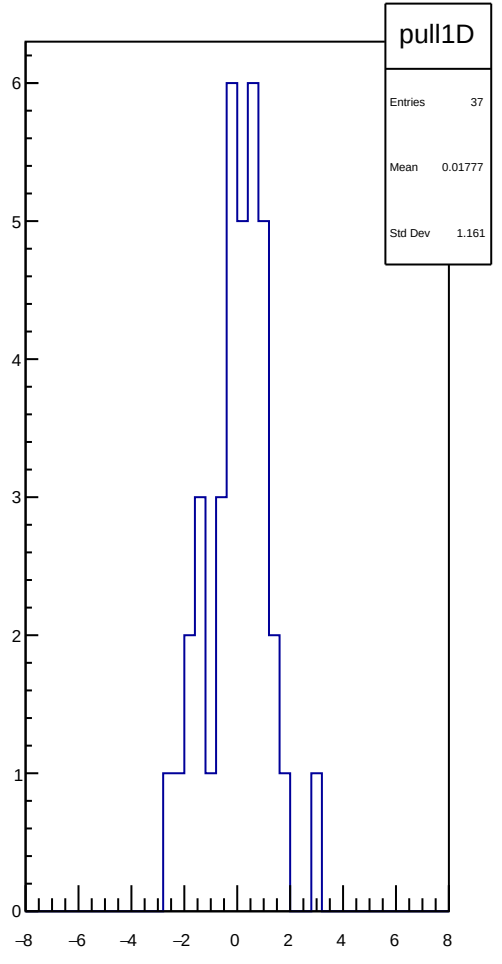

asym_bpm0l10WS_rms vs run
χ² / ndf 3.183e+04 / 36
p0 126.8 ± 0.1494
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

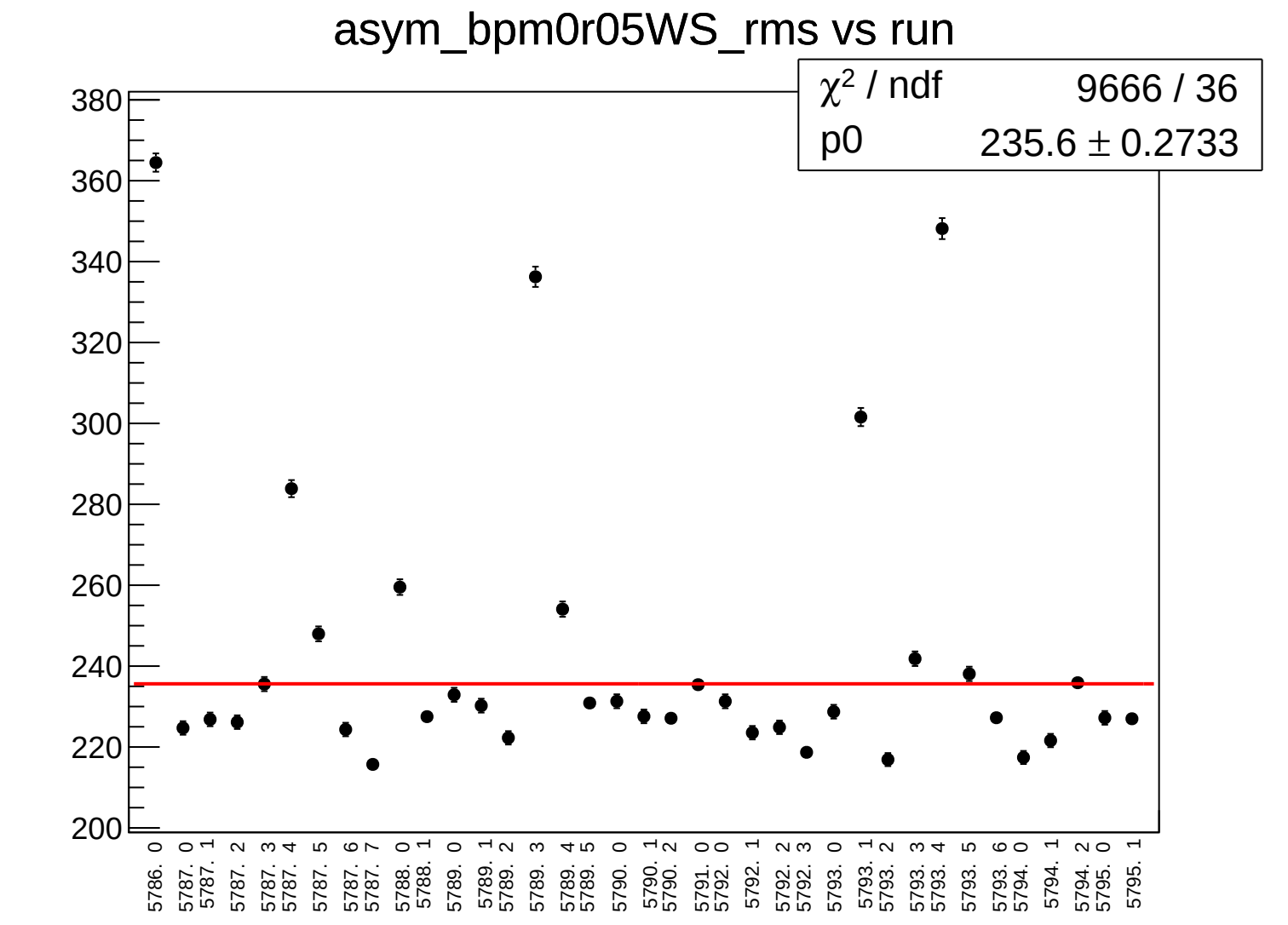

asym_bpm0r03WS_mean vs run
χ² / ndf 45.83 / 36
p0 −1176 ± 429.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −164.1
Std Dev 0
2
1
0
−1
−2
−3

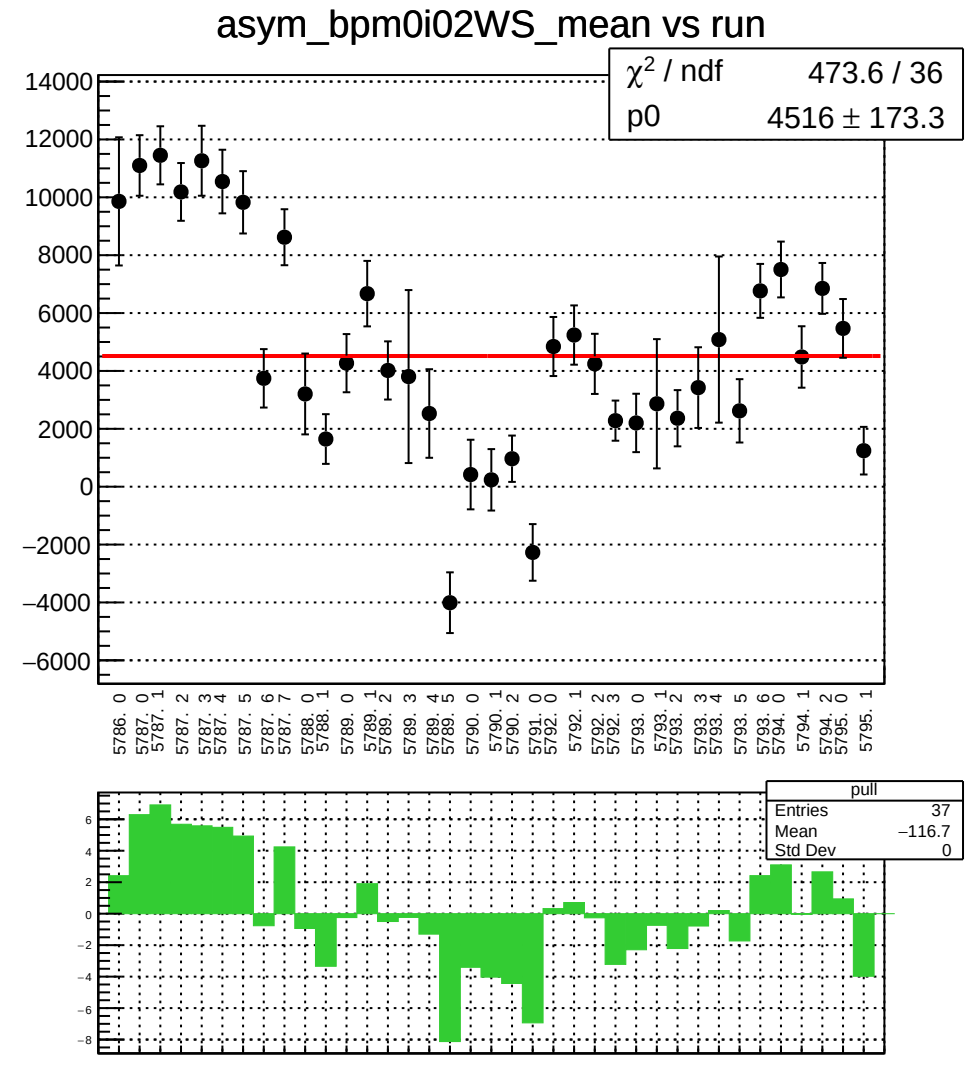

pull1D
Entries 37
Mean −0.02149
Std Dev 1.113
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

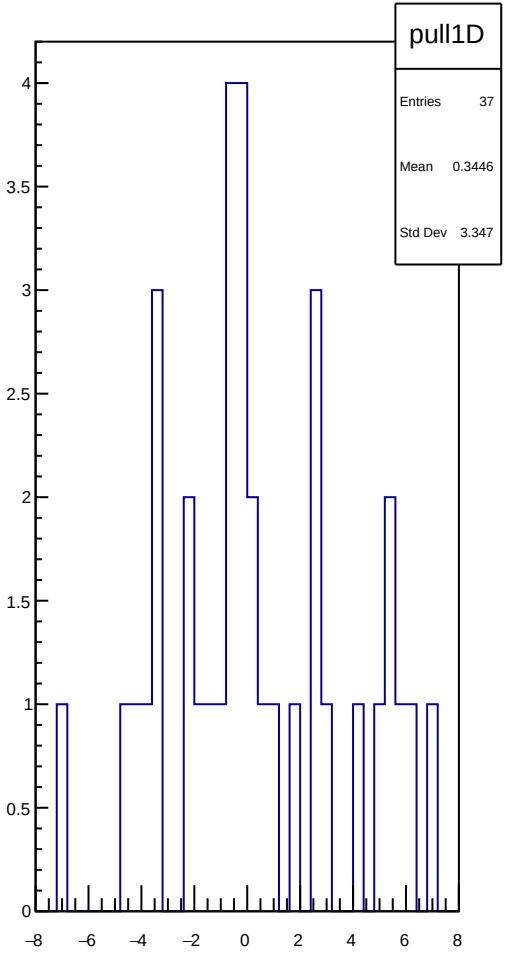

asym_bpm0r03WS_rms vs run
χ² / ndf 9067 / 36
p0 262.1 ± 0.3039
380
360
340
320
300
280
260
240
220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

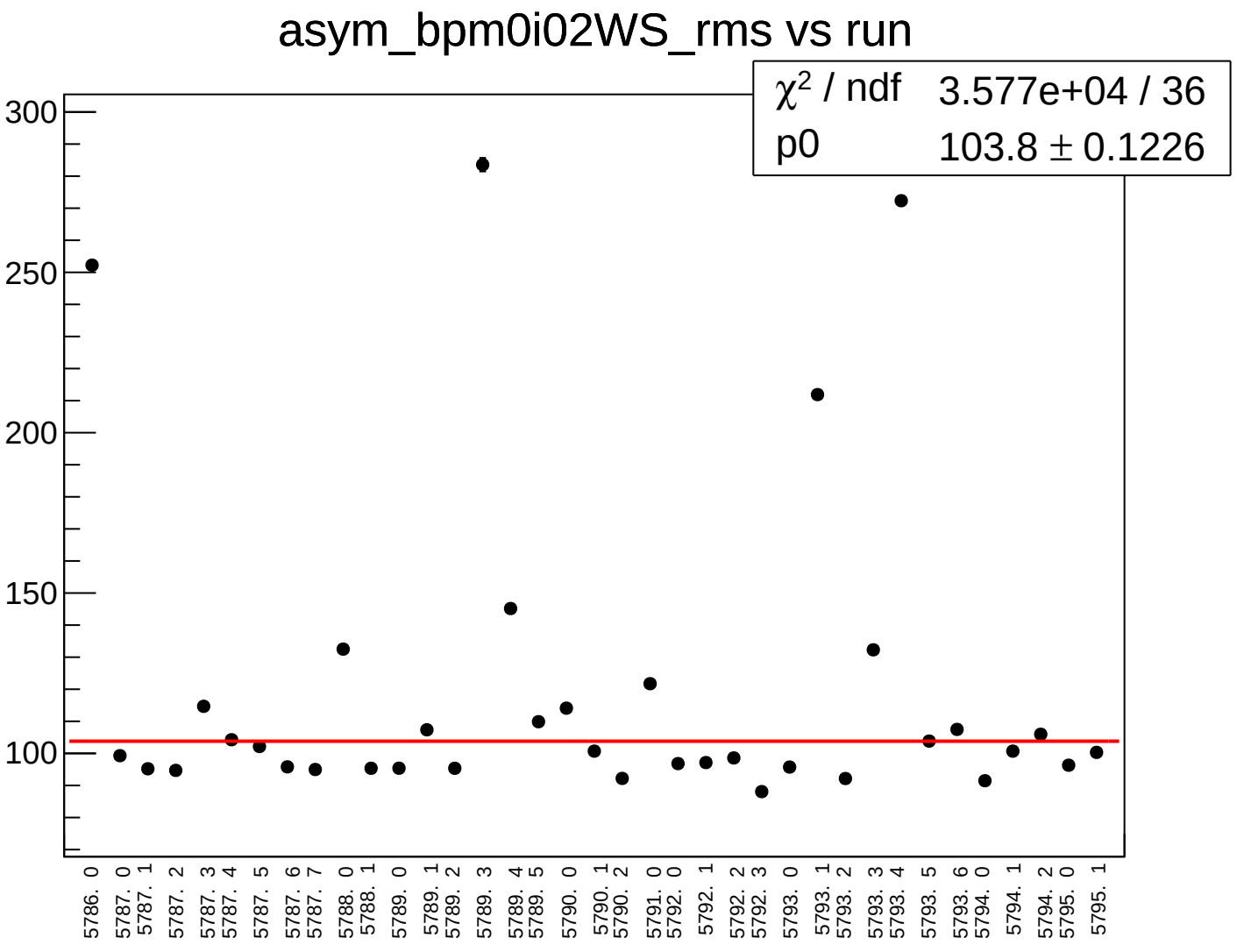

asym_bpm0r05WS_mean vs run
χ² / ndf 49.88 / 36
p0 −1612 ± 386.5
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 245
Std Dev 0
3
2
1
0
−1
−2
−3

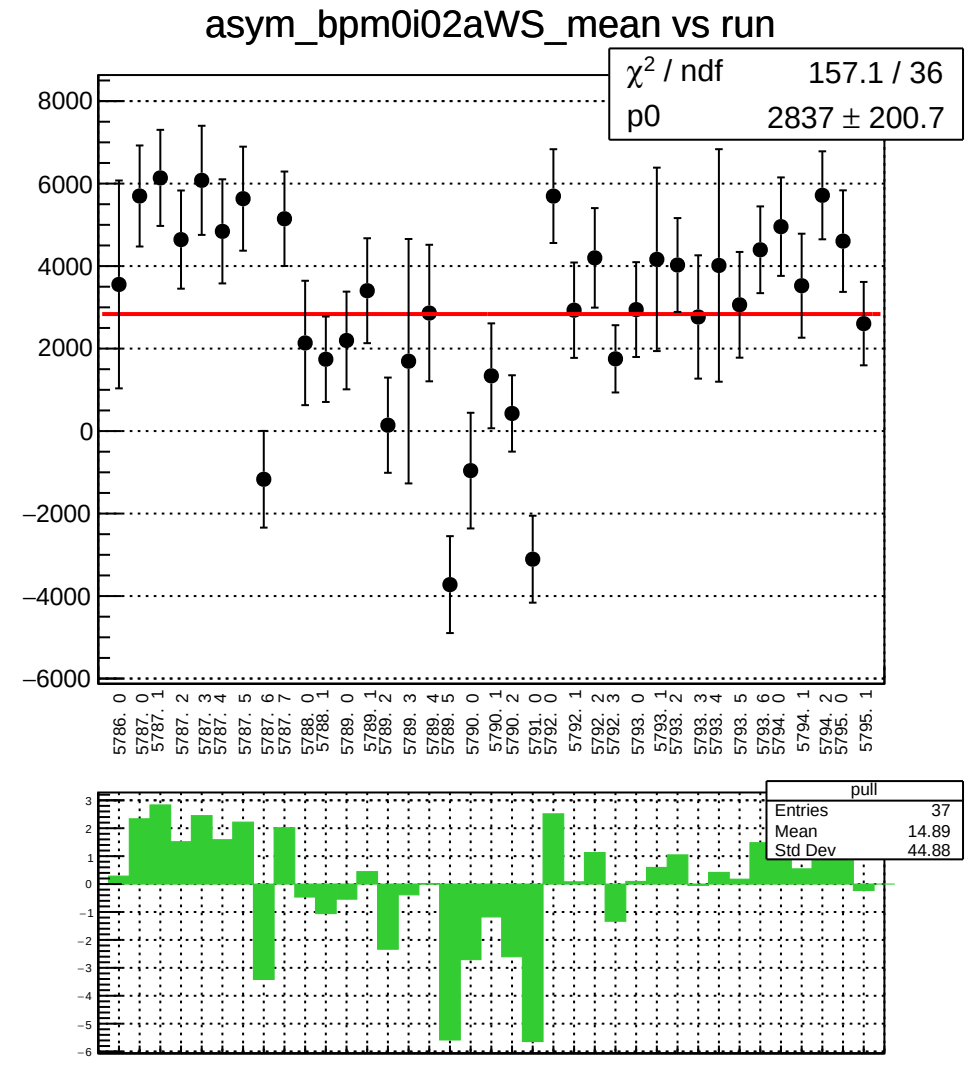

pull1D
Entries 37
Mean 0.01777
Std Dev 1.161
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

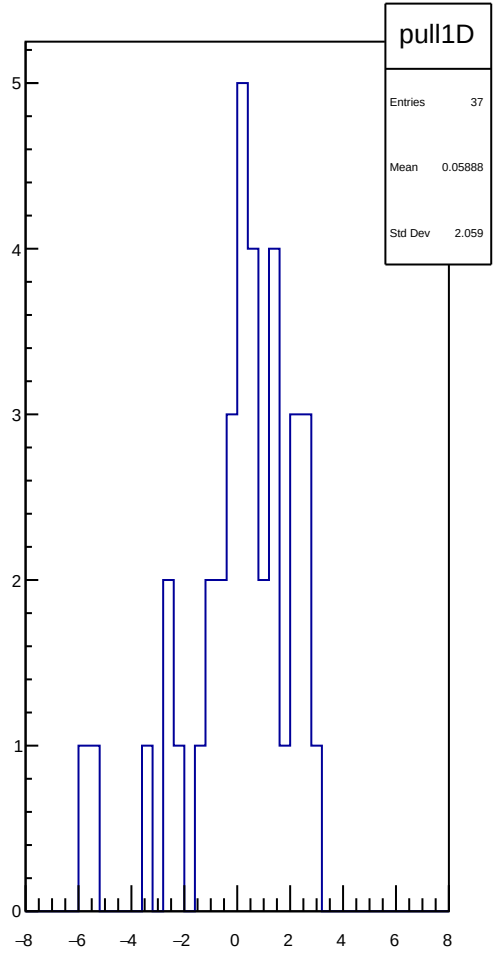

asym_bpm0r05WS_rms vs run
χ² / ndf 9666 / 36
p0 235.6 ± 0.2733
380
360
340
320
300
280
260
240
220
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

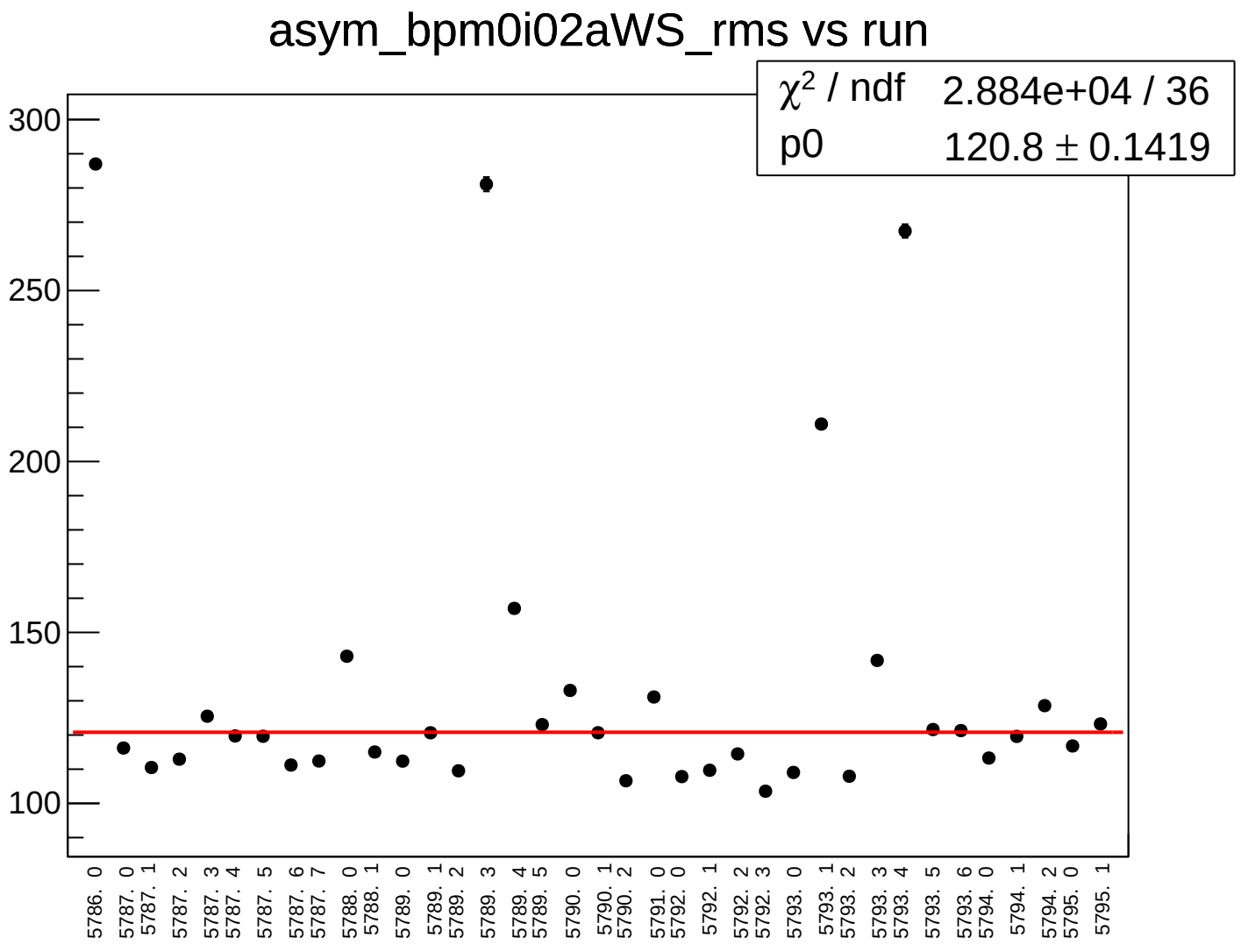

asym_bpm0i02WS_mean vs run
χ² / ndf 473.6 / 36
p0 4516 ± 173.3
14000
12000
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −116.7
Std Dev 0
6
4
2
0
−2
−4
−6
−8

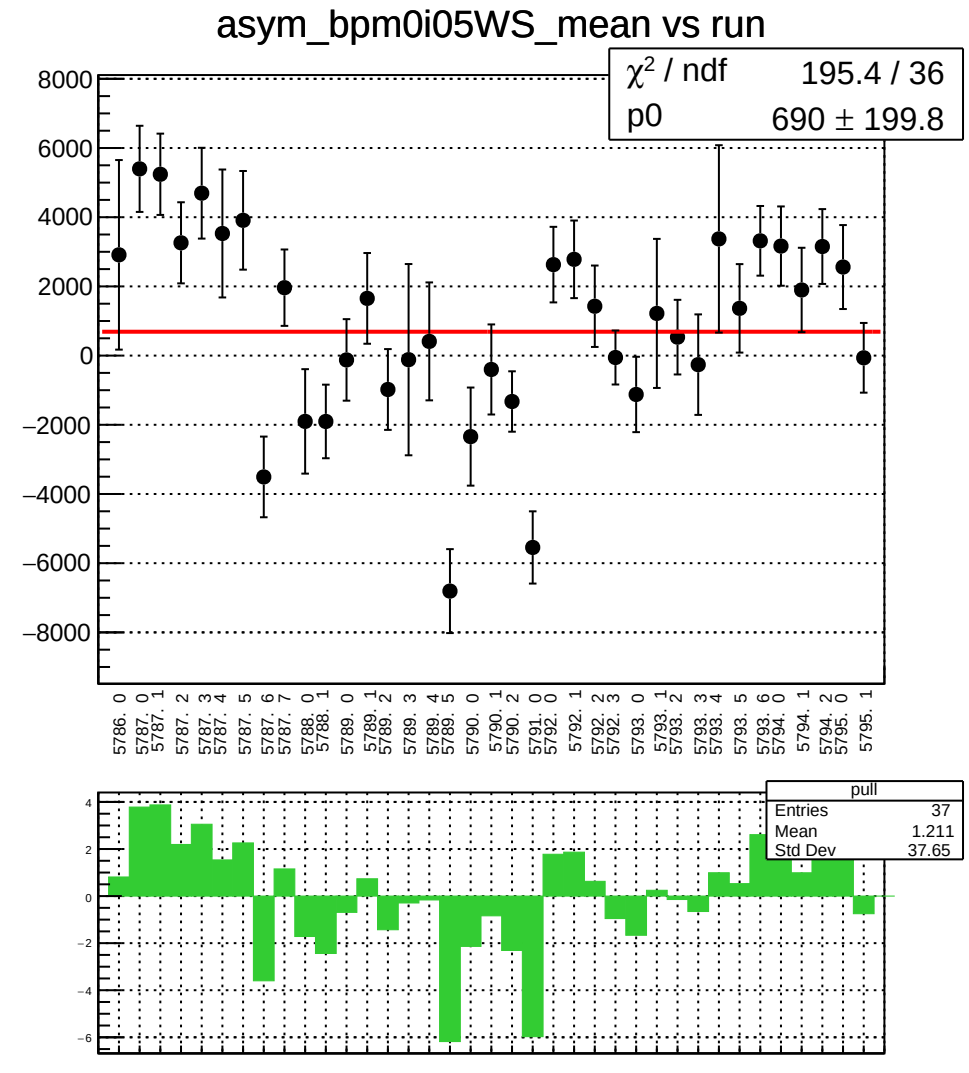

pull1D
Entries 37
Mean 0.3446
Std Dev 3.347
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

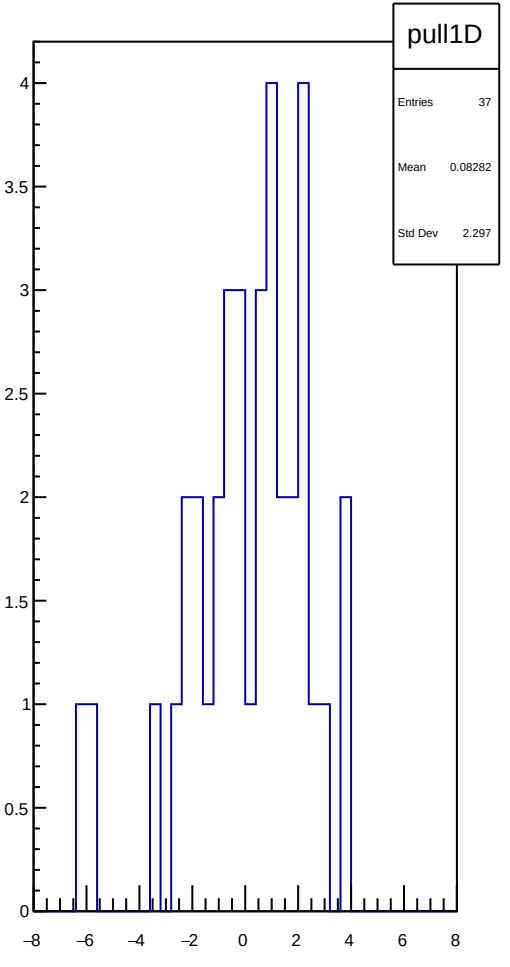

asym_bpm0i02WS_rms vs run
χ² / ndf 3.577e+04 / 36
p0 103.8 ± 0.1226
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

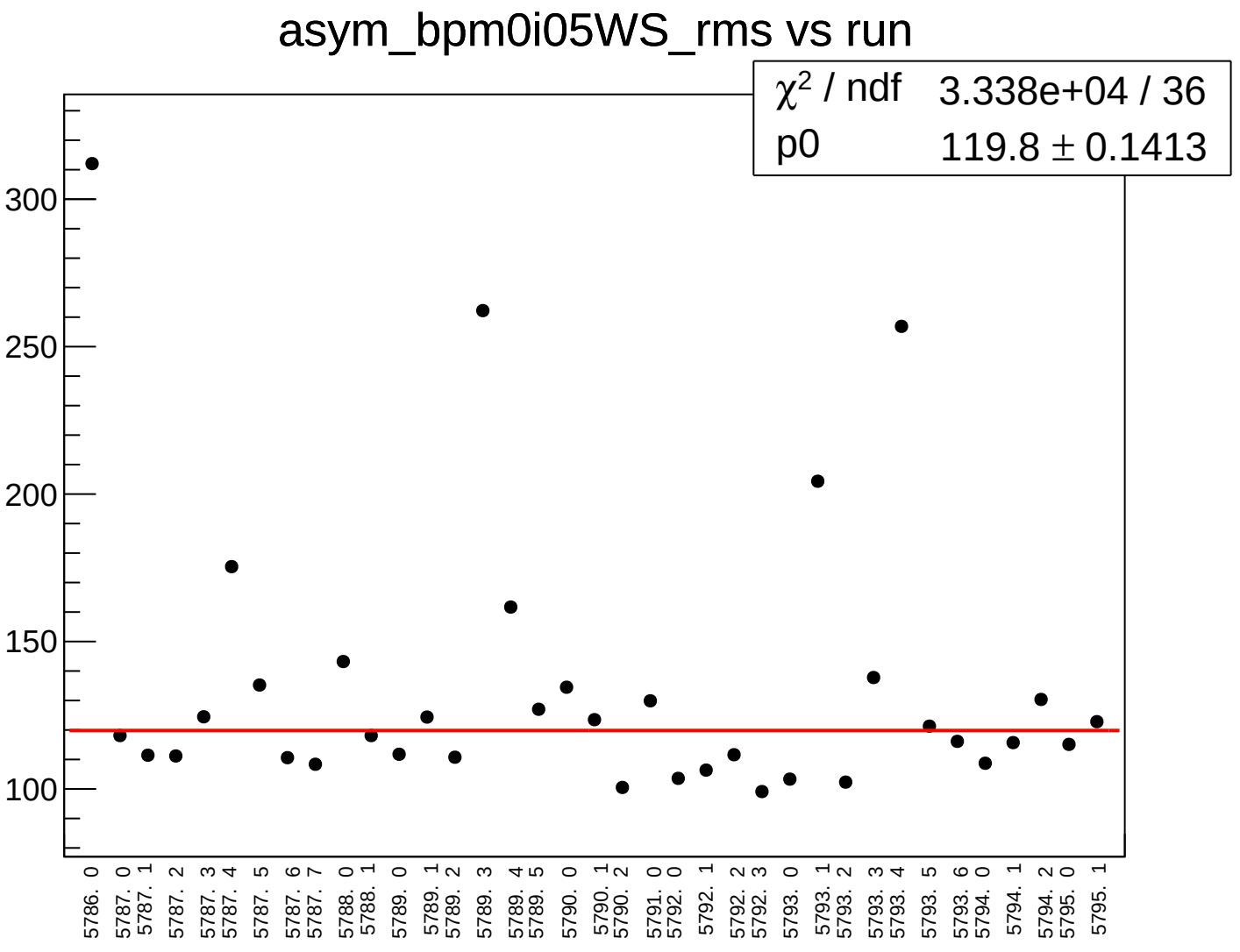

asym_bpm0i02aWS_mean vs run
χ² / ndf 157.1 / 36
p0 2837 ± 200.7
pull
Entries 37
Mean 14.89
Std Dev 44.88

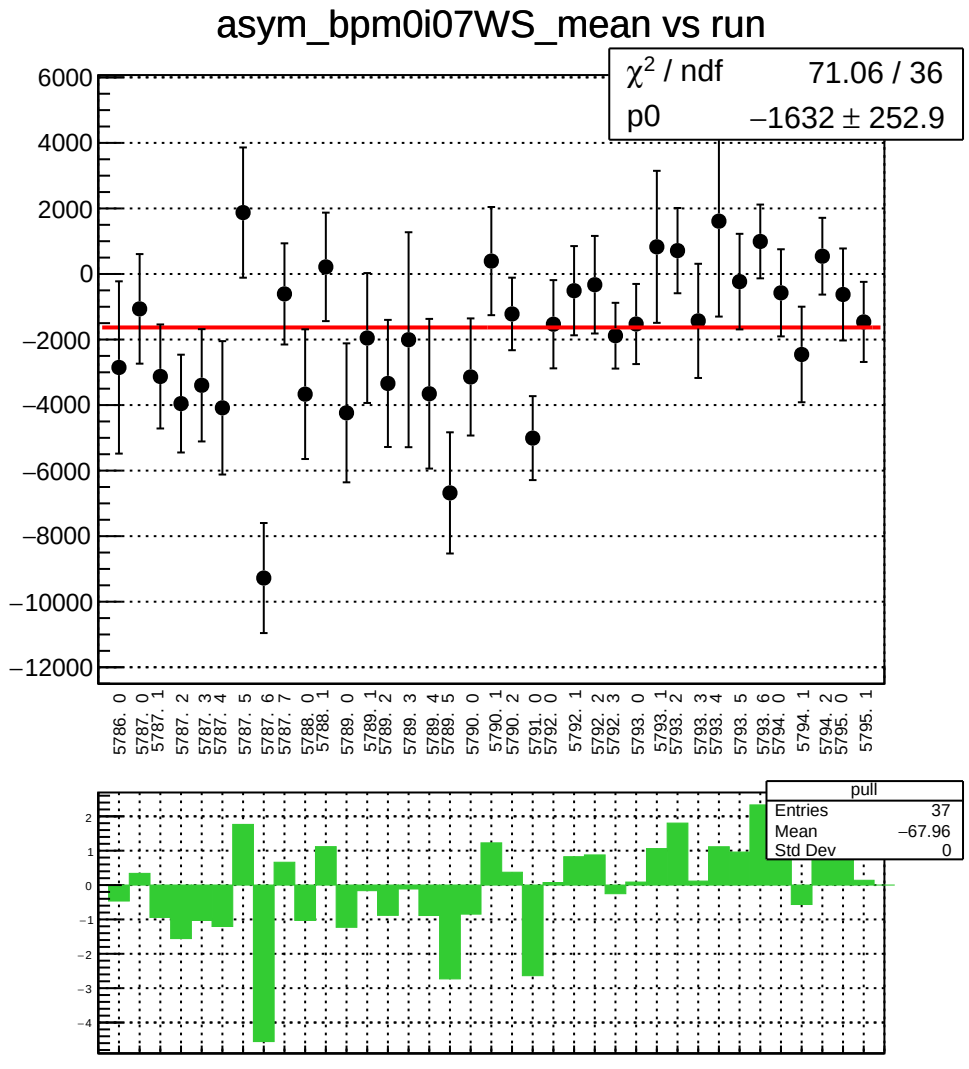

pull1D
Entries 37
Mean 0.05888
Std Dev 2.059

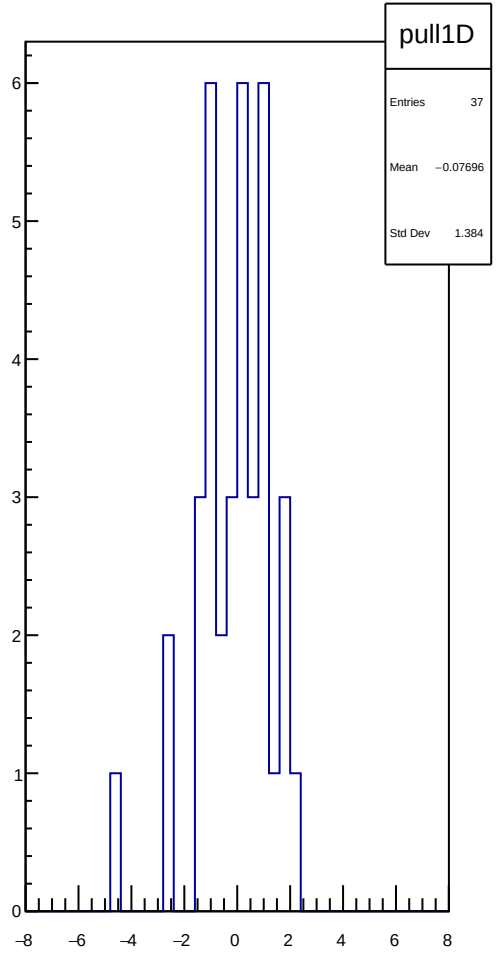

asym_bpm0i02aWS_rms vs run
χ² / ndf 2.884e+04 / 36
p0 120.8 ± 0.1419
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

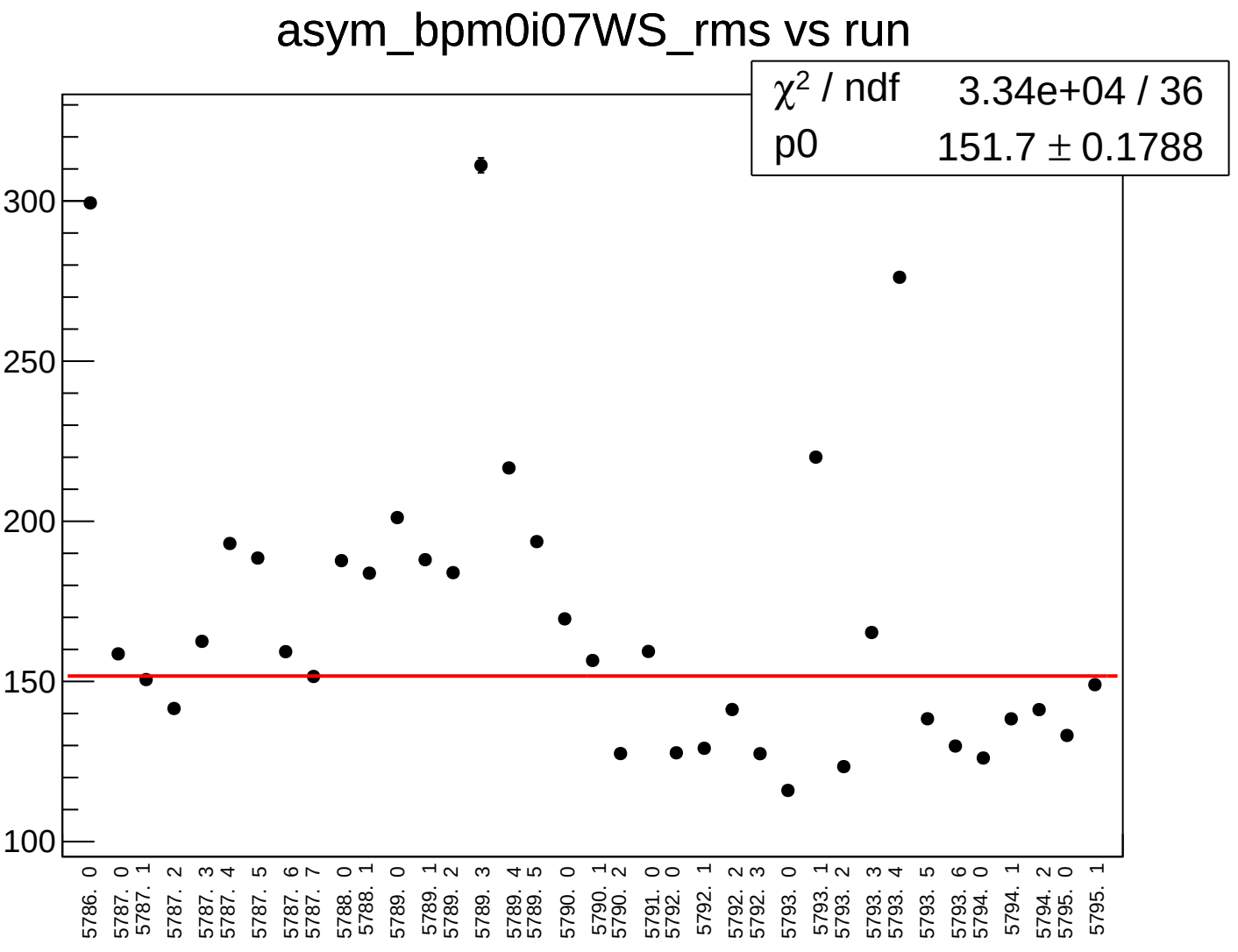

asym_bpm0i05WS_mean vs run
χ² / ndf 195.4 / 36
p0 690 ± 199.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.211
Std Dev 37.65
4
2
0
−2
−4
−6

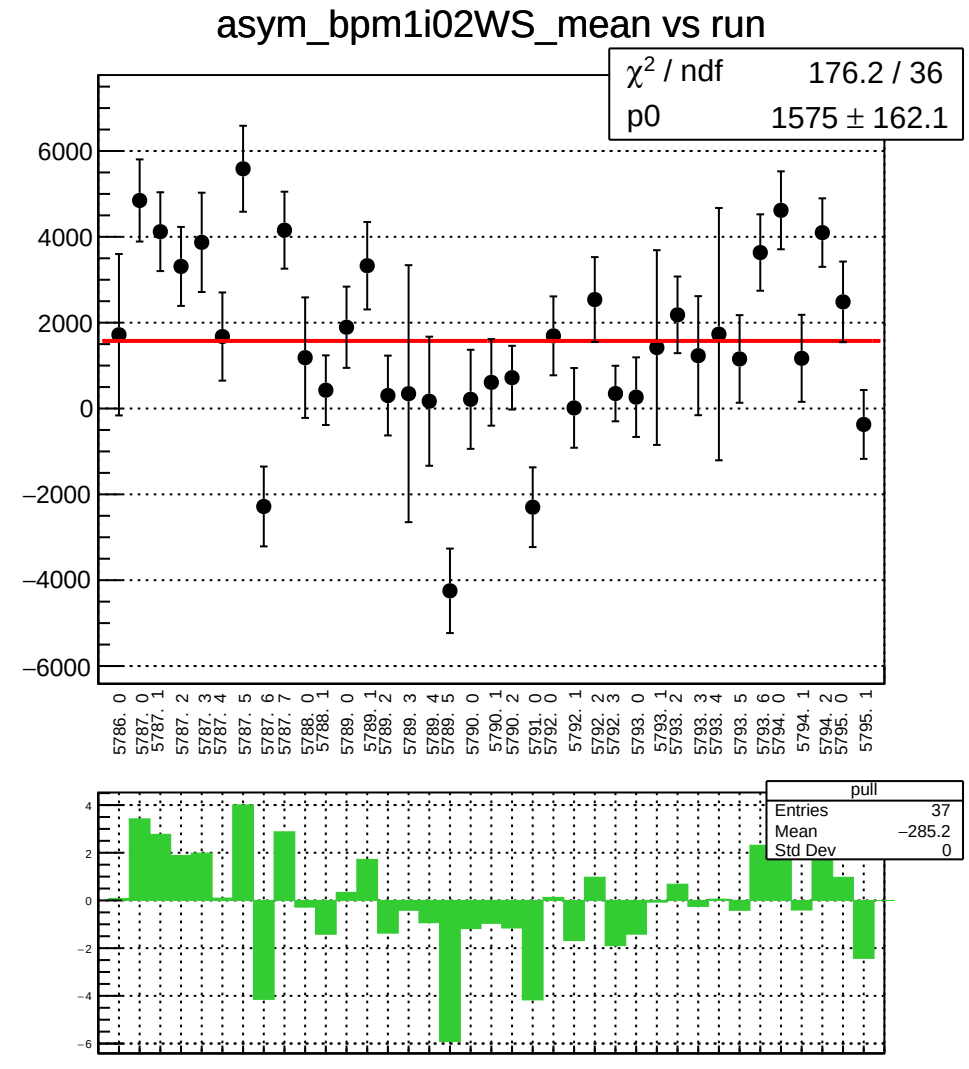

pull1D
Entries 37
Mean 0.08282
Std Dev 2.297
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

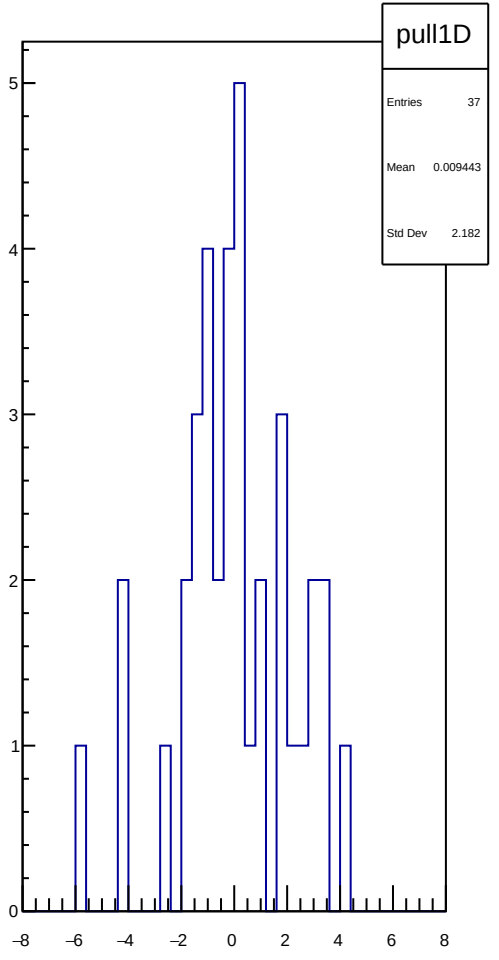

asym_bpm0i05WS_rms vs run
χ² / ndf 3.338e+04 / 36
p0 119.8 ± 0.1413
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

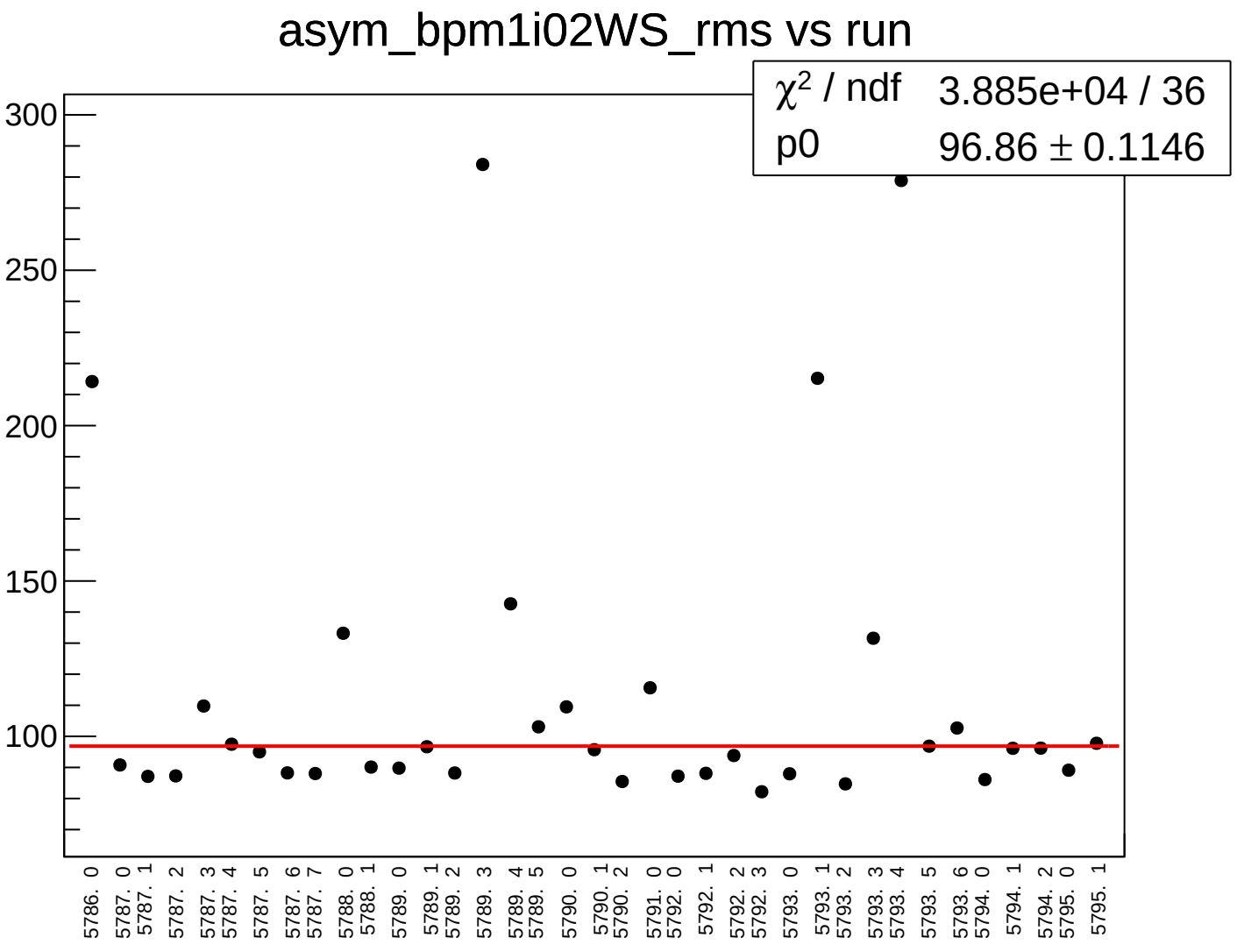

asym_bpm0i07WS_mean vs run
χ² / ndf 71.06 / 36
p0 −1632 ± 252.9
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
−12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.96
Std Dev 0
2
1
0
−1
−2
−3
−4

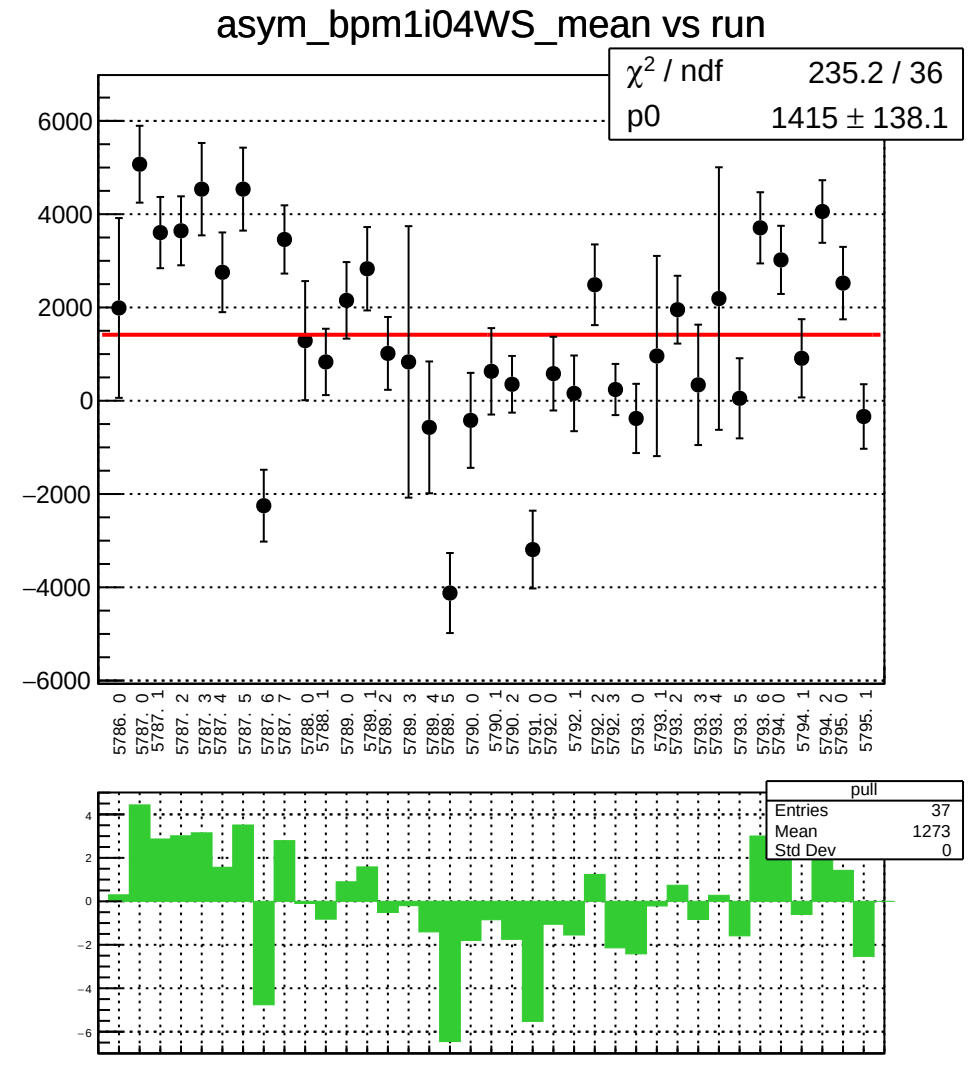

pull1D
Entries 37
Mean −0.07696
Std Dev 1.384
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

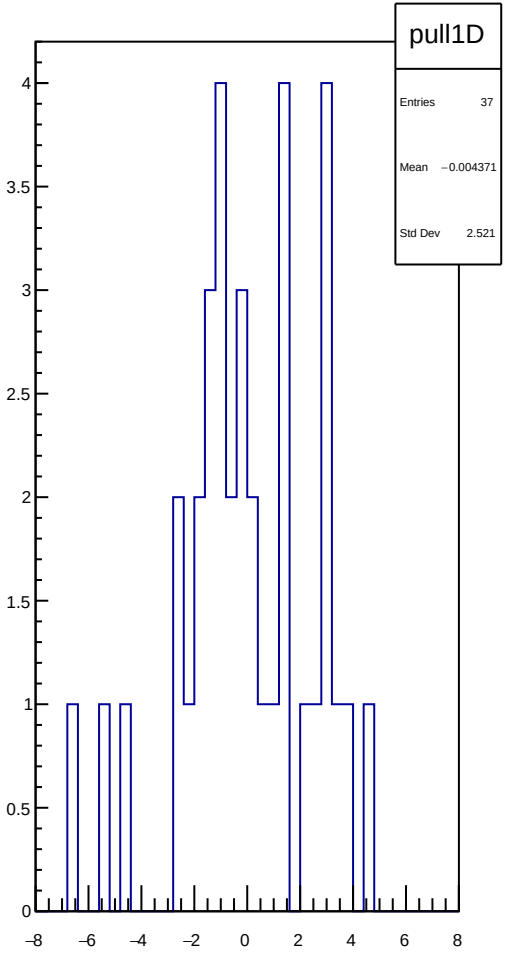

asym_bpm0i07WS_rms vs run
χ² / ndf 3.34e+04 / 36
p0 151.7 ± 0.1788
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

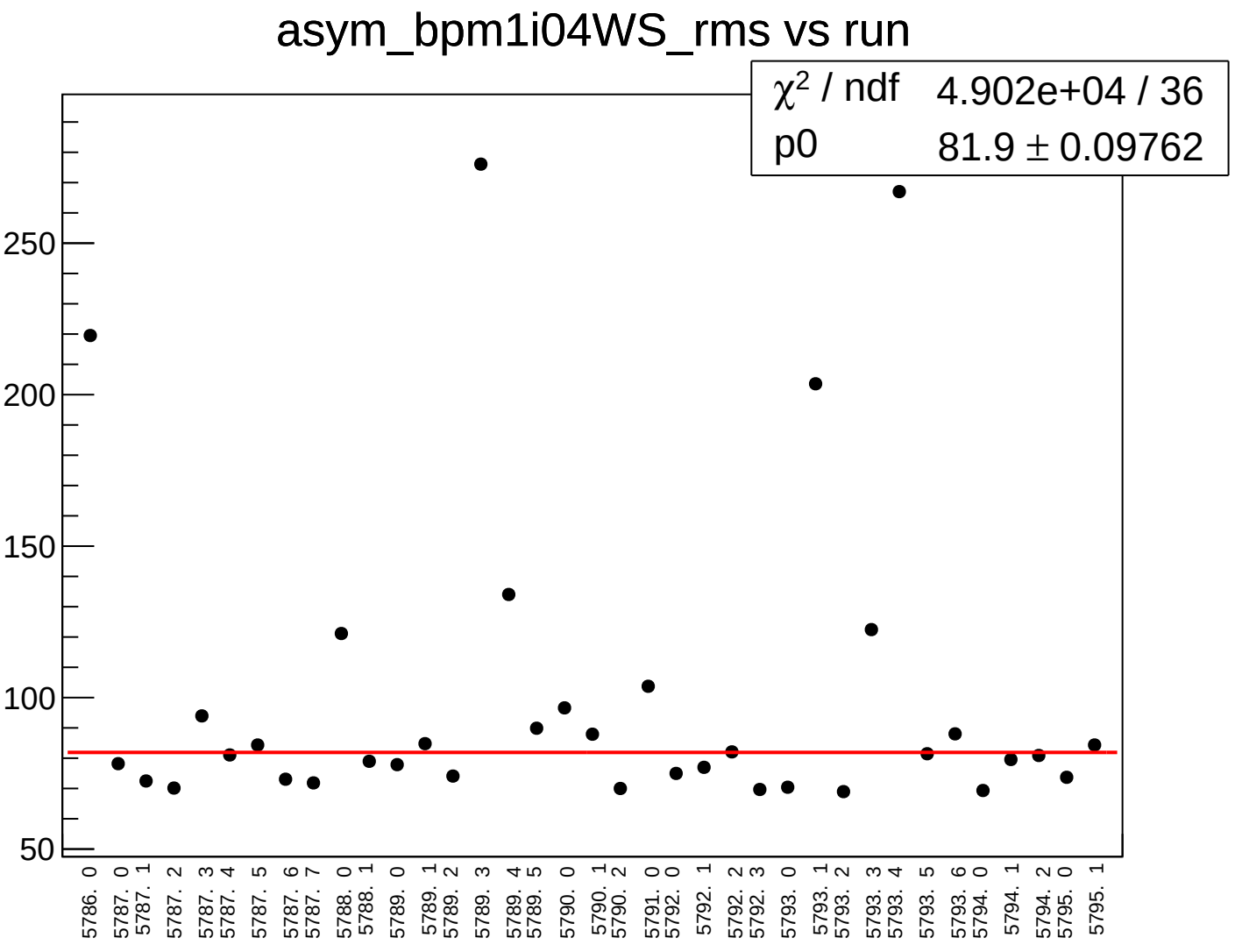

asym_bpm1i02WS_mean vs run
χ² / ndf 176.2 / 36
p0 1575 ± 162.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −285.2
Std Dev 0
4
2
0
−2
−4
−6

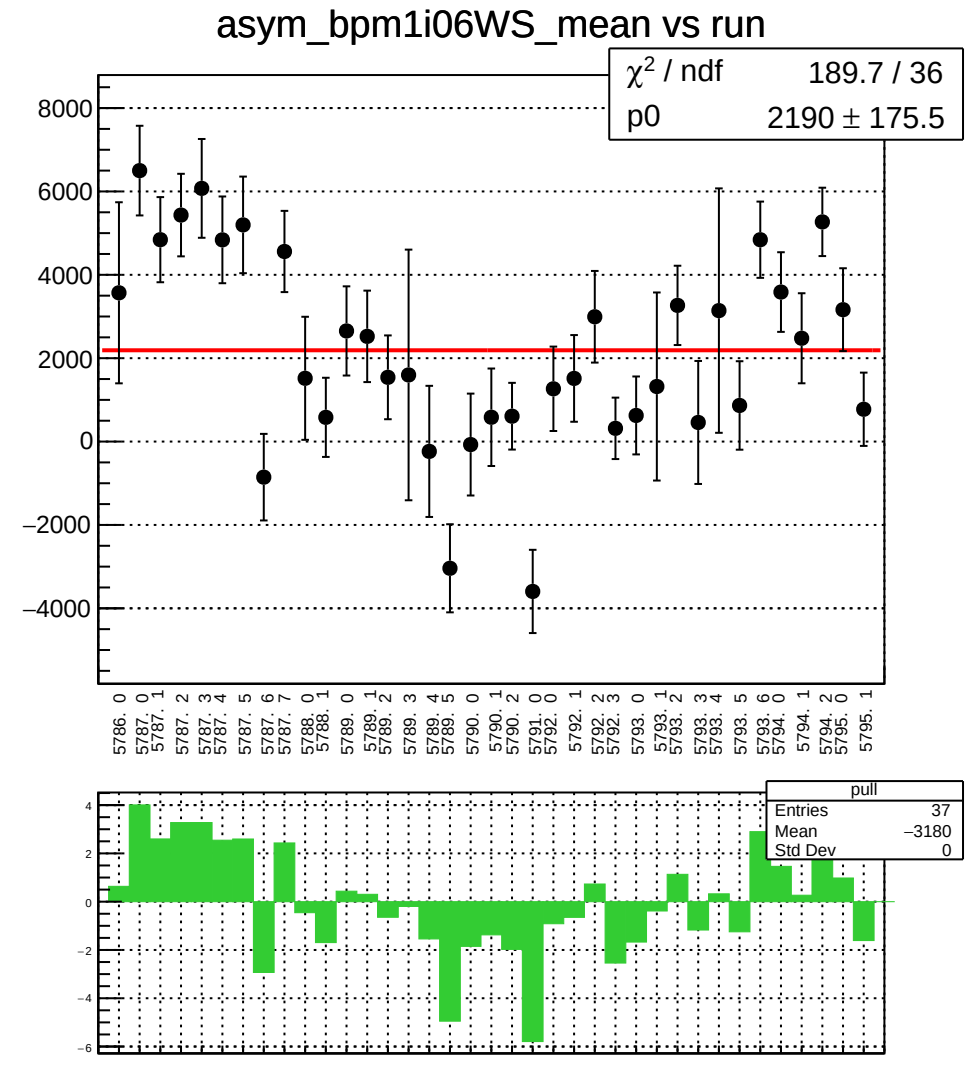

pull1D
Entries 37
Mean 0.009443
Std Dev 2.182
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

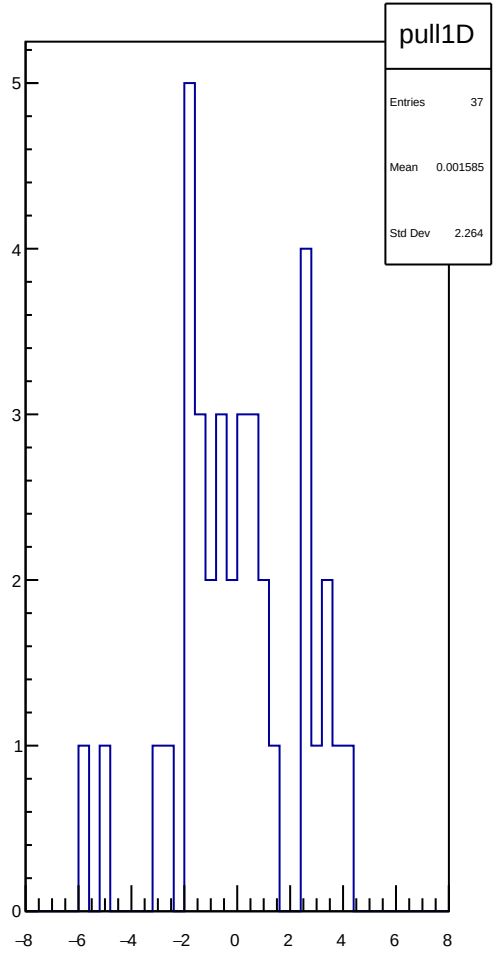

asym_bpm1i02WS_rms vs run
χ² / ndf 3.885e+04 / 36
p0 96.86 ± 0.1146
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

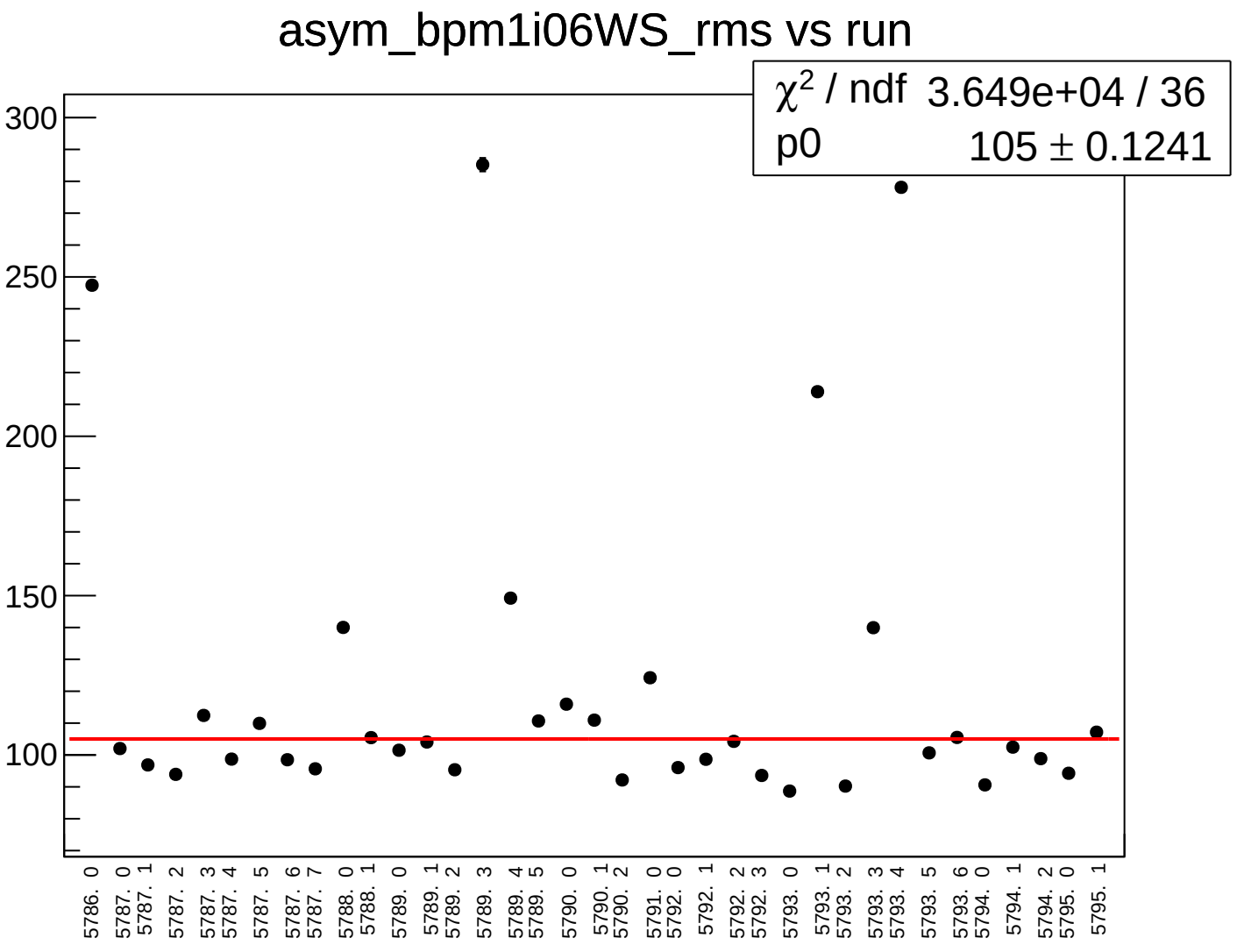

asym_bpm1i04WS_mean vs run
χ² / ndf 235.2 / 36
p0 1415 ± 138.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1273
Std Dev 0
4
2
0
−2
−4
−6

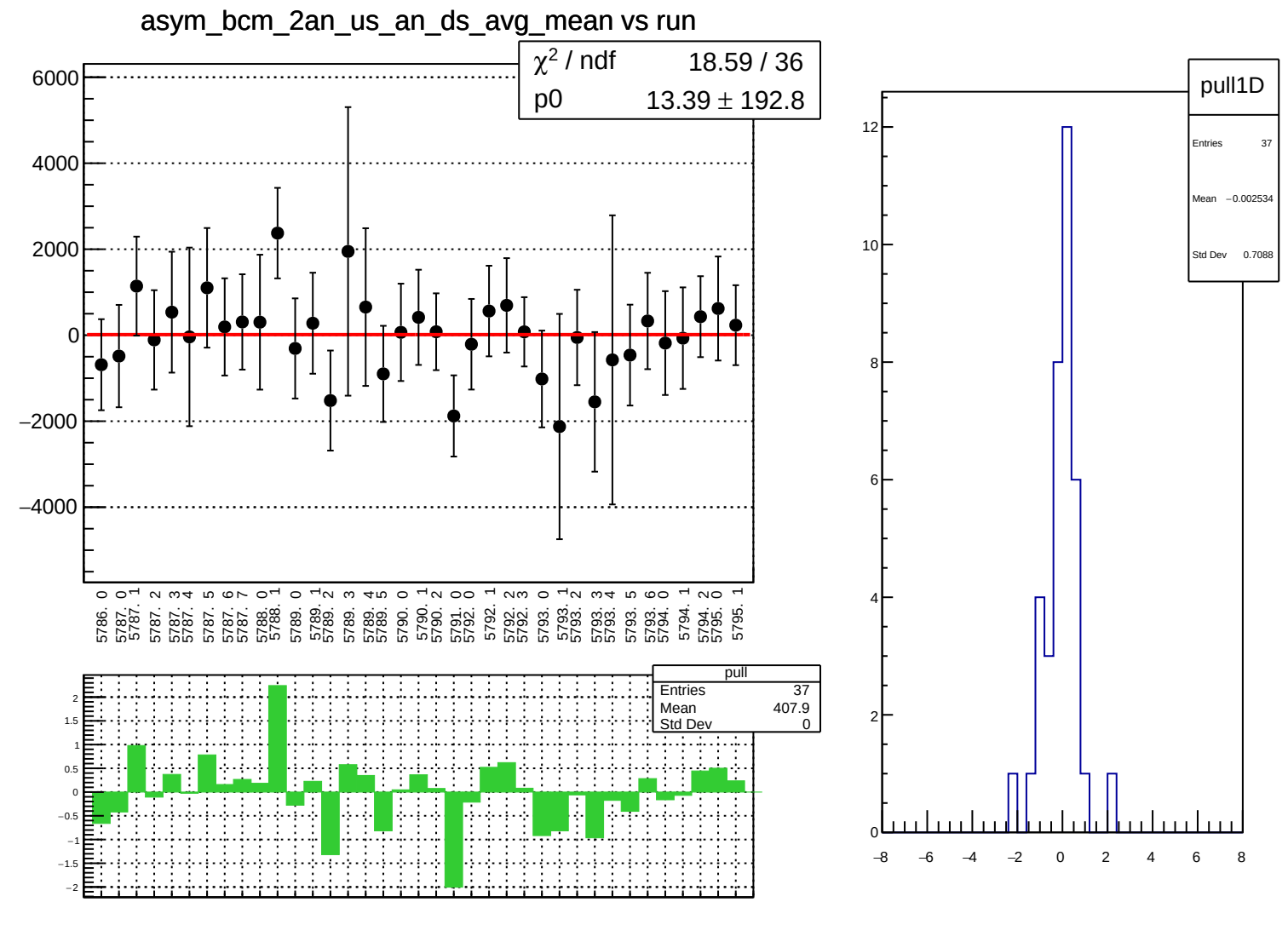

pull1D
Entries 37
Mean −0.004371
Std Dev 2.521
4
3.5
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

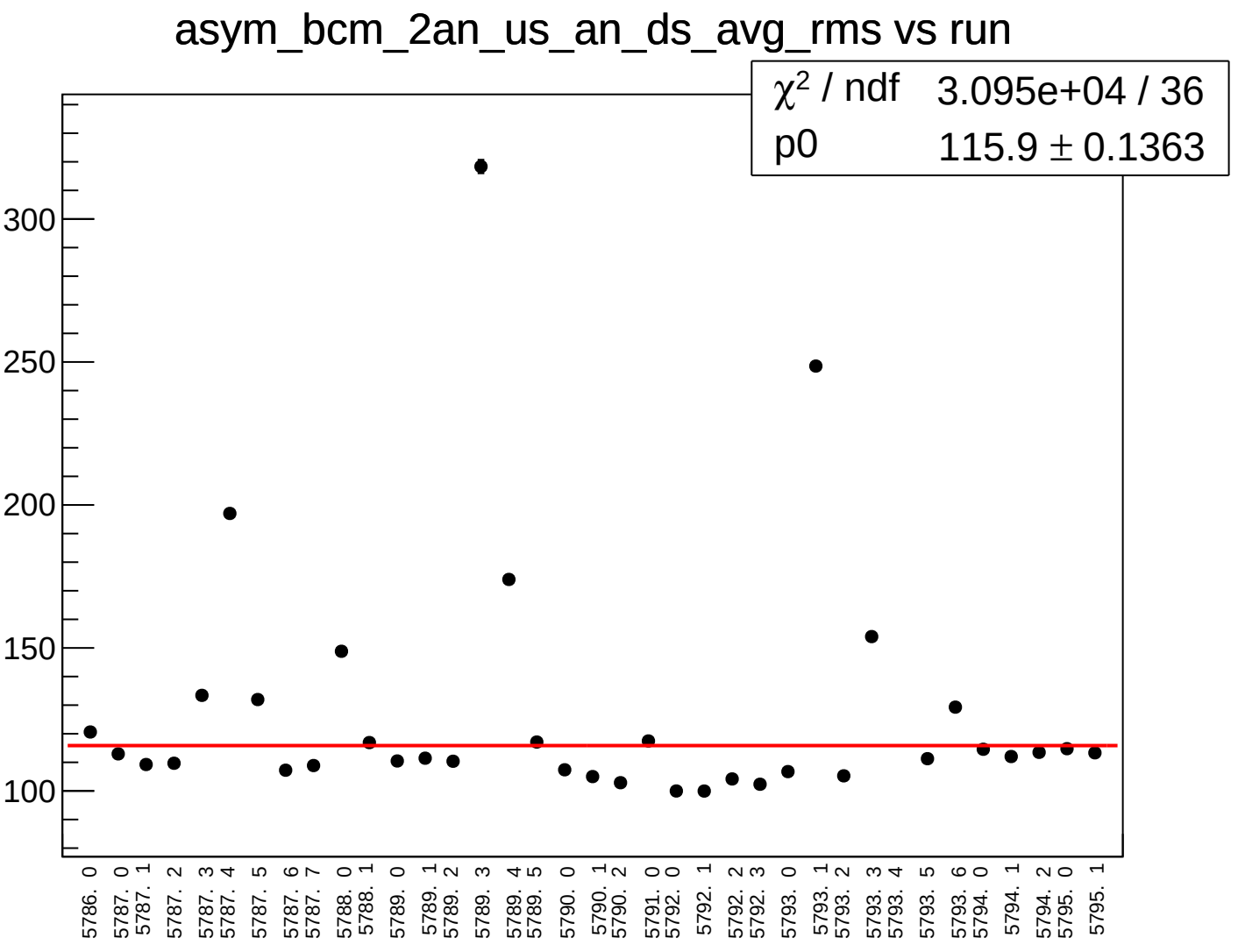

asym_bpm1i04WS_rms vs run
χ² / ndf 4.902e+04 / 36
p0 81.9 ± 0.09762
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

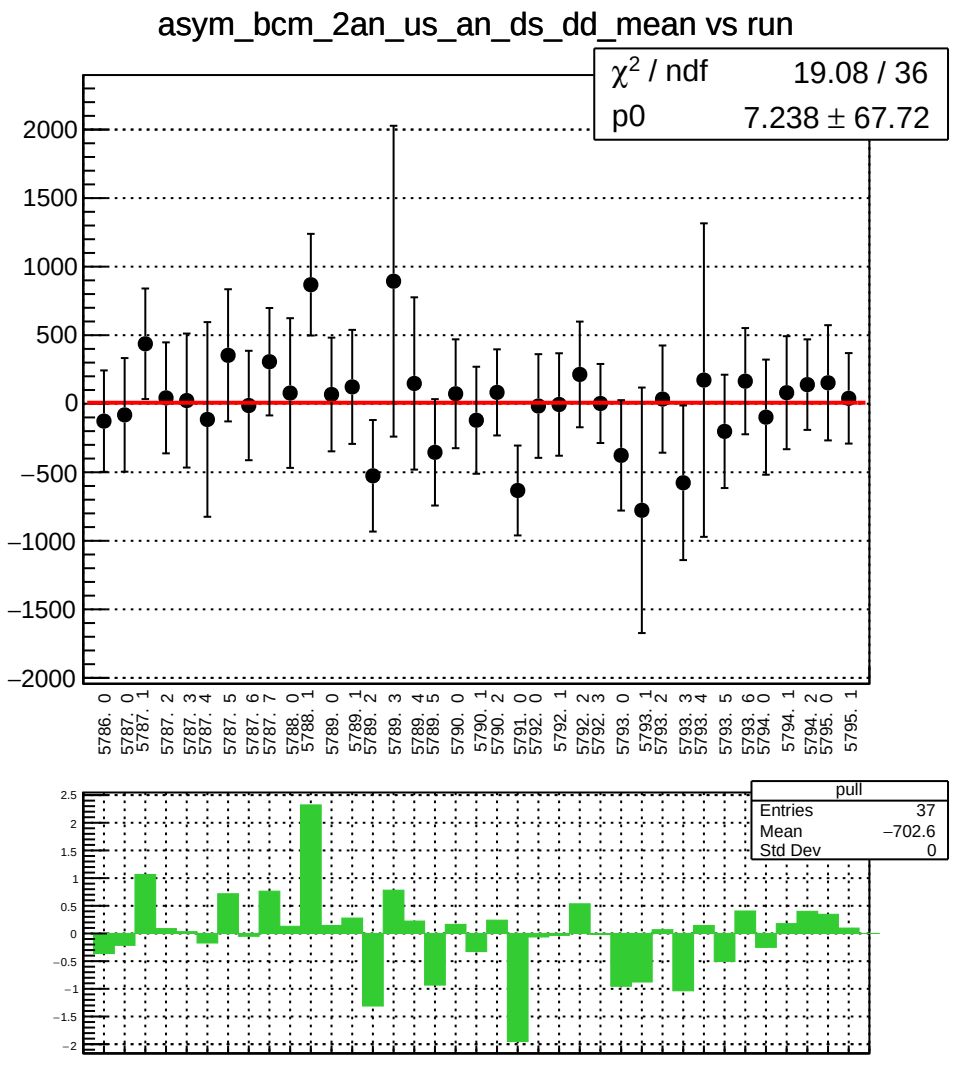

asym_bpm1i06WS_mean vs run
χ² / ndf 189.7 / 36
p0 2190 ± 175.5
8000
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3180
Std Dev 0
4
2
0
−2
−4
−6

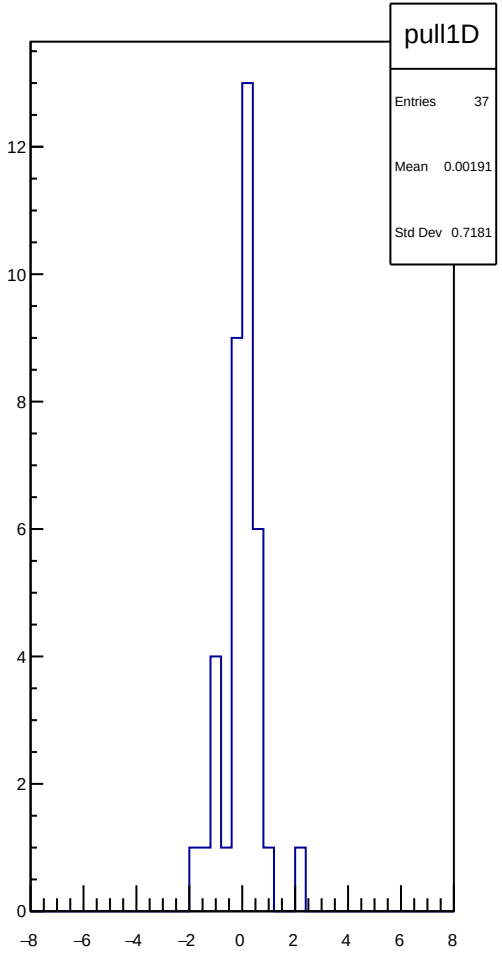

pull1D
Entries 37
Mean 0.001585
Std Dev 2.264
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

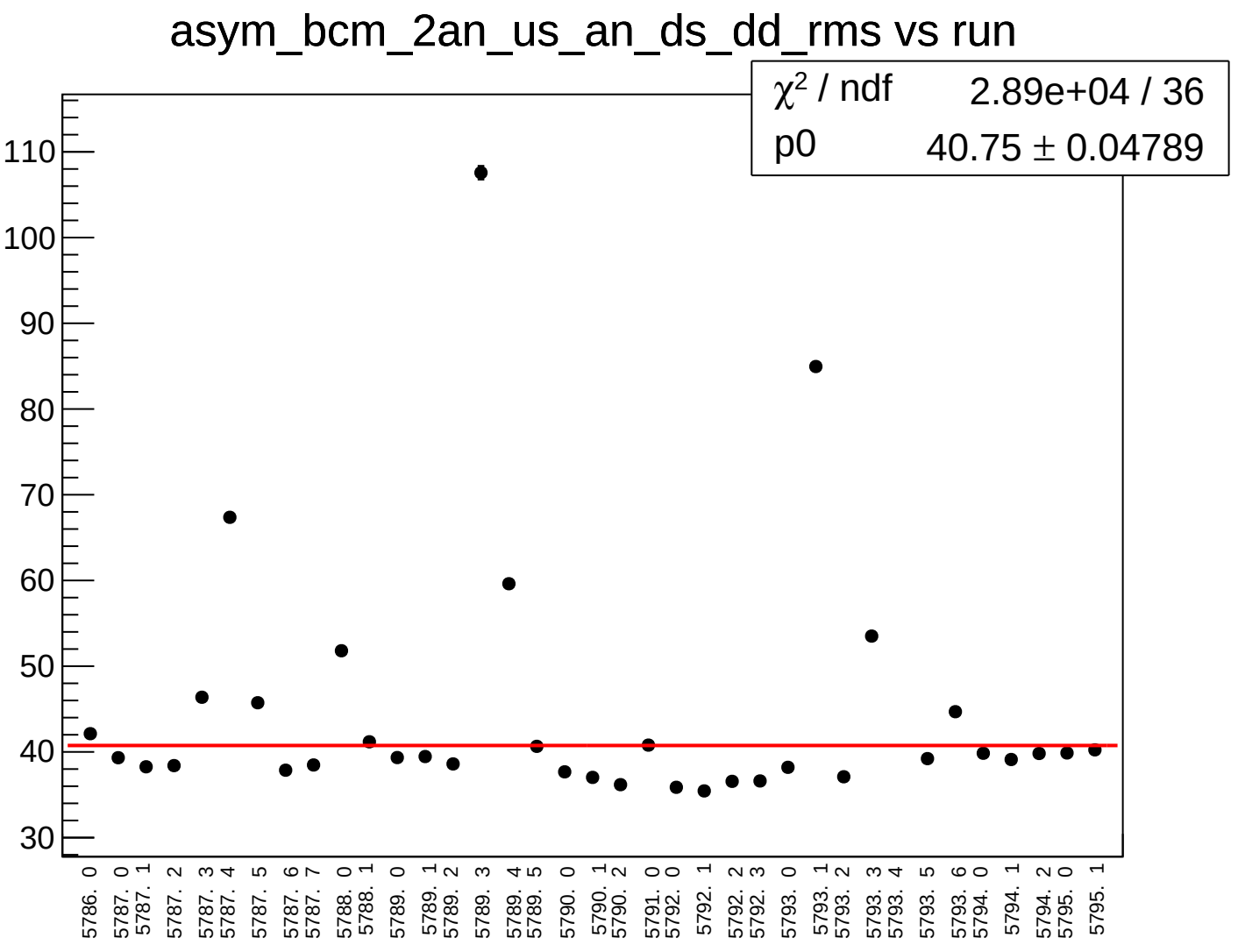

asym_bpm1i06WS_rms vs run
χ² / ndf 3.649e+04 / 36
p0 105 ± 0.1241
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

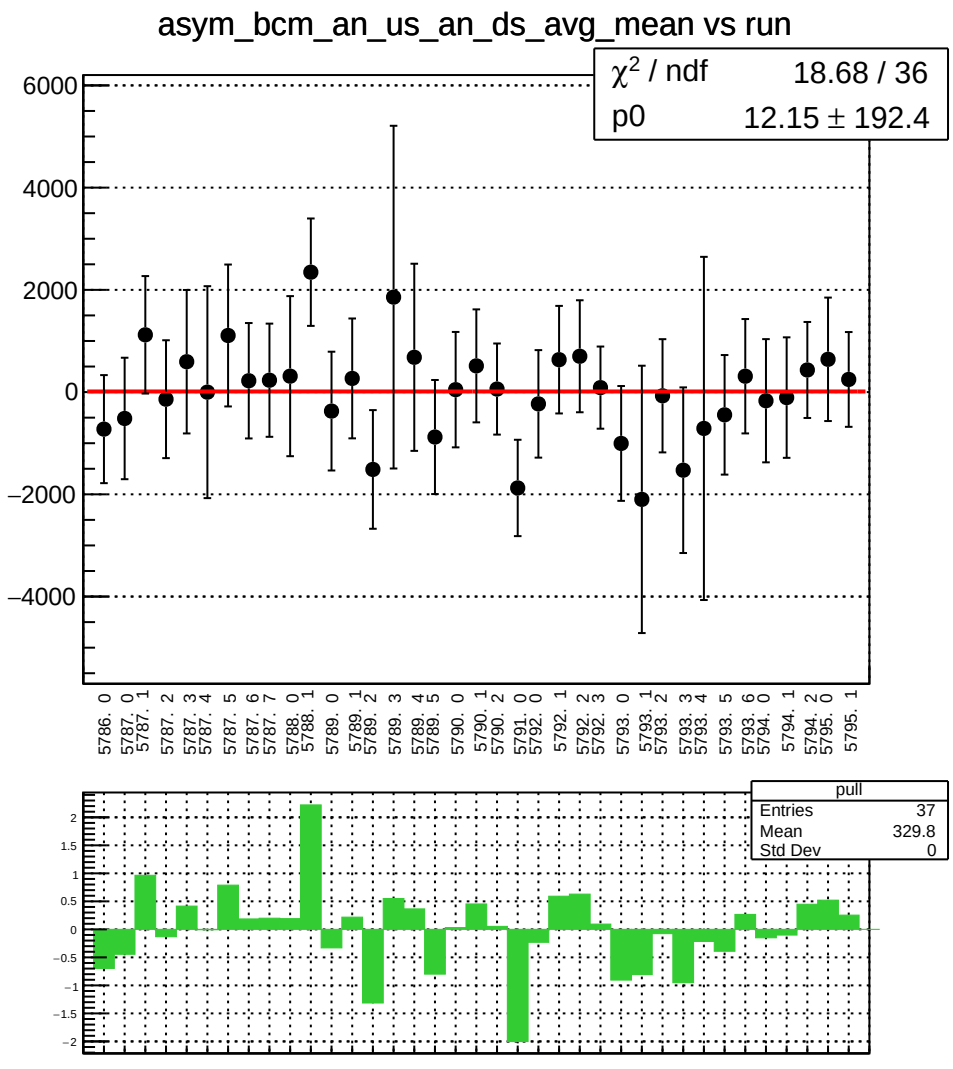

asym_bcm_2an_us_an_ds_avg_mean vs run
χ² / ndf 18.59 / 36
p0 13.39 ± 192.8
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 407.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002534
Std Dev 0.7088
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

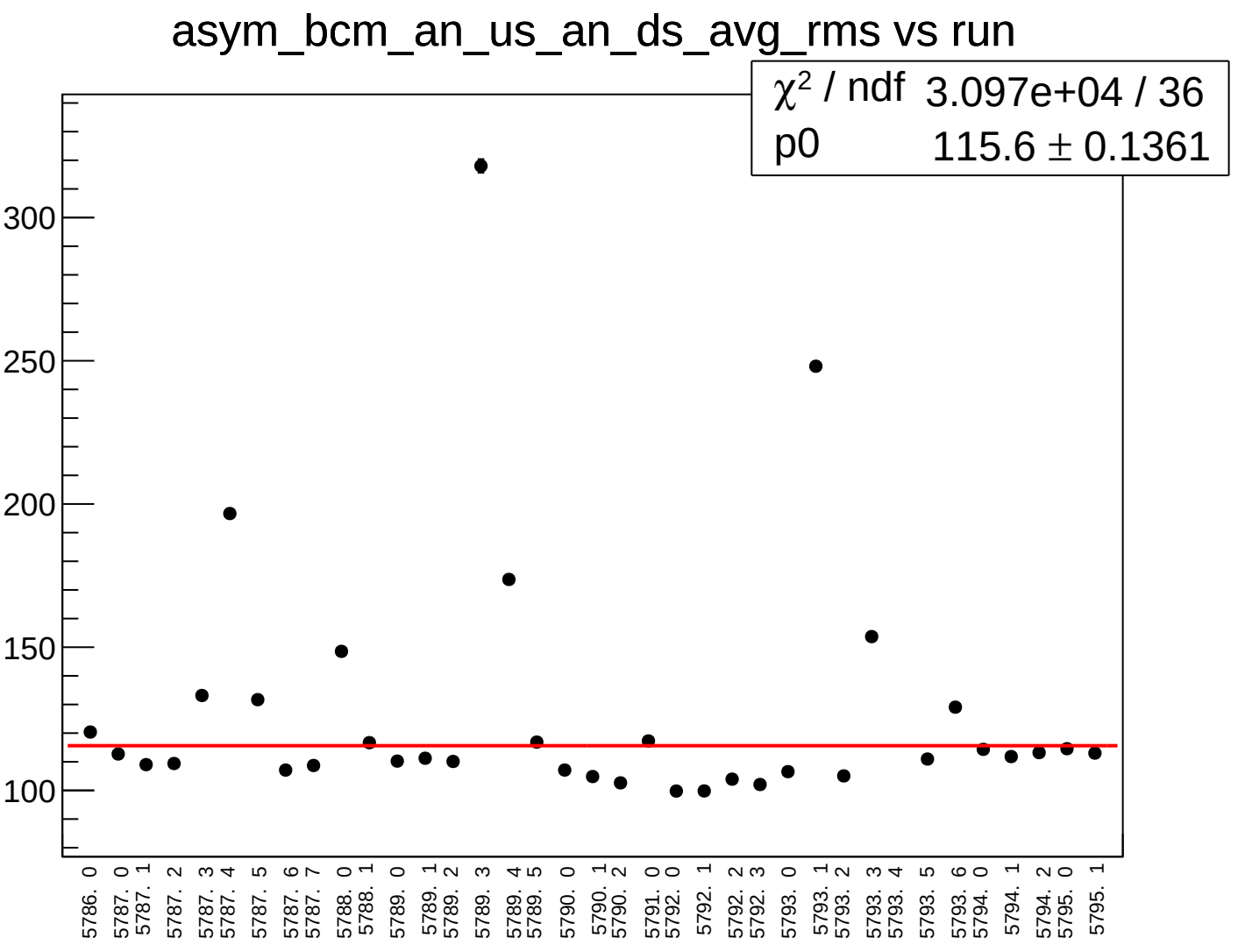

asym_bcm_2an_us_an_ds_avg_rms vs run
χ² / ndf 3.095e+04 / 36
p0 115.9 ± 0.1363
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

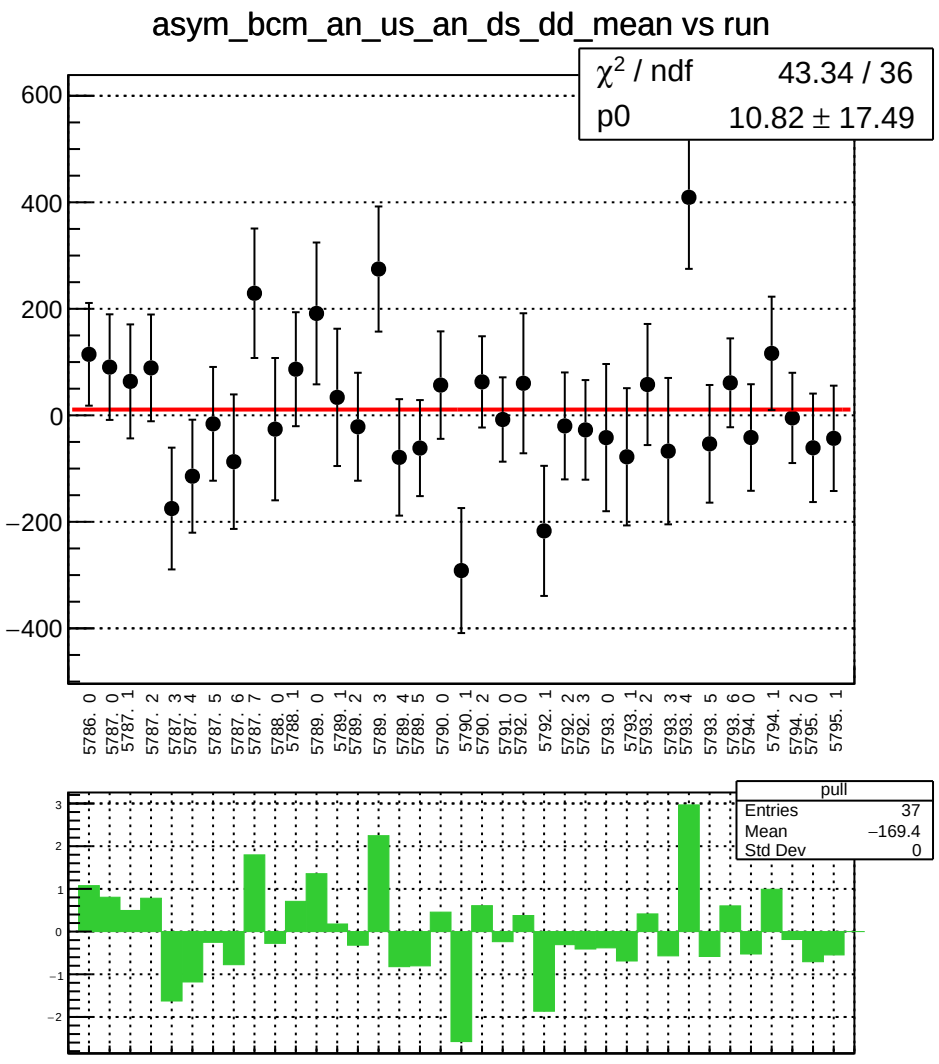

asym_bcm_2an_us_an_ds_dd_mean vs run
χ² / ndf 19.08 / 36
p0 7.238 ± 67.72
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −702.6
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

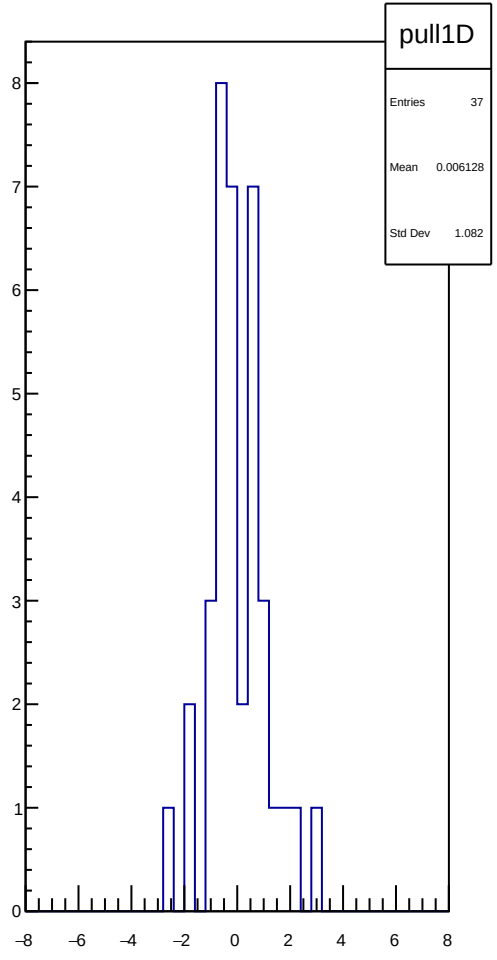

pull1D
Entries 37
Mean 0.00191
Std Dev 0.7181
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

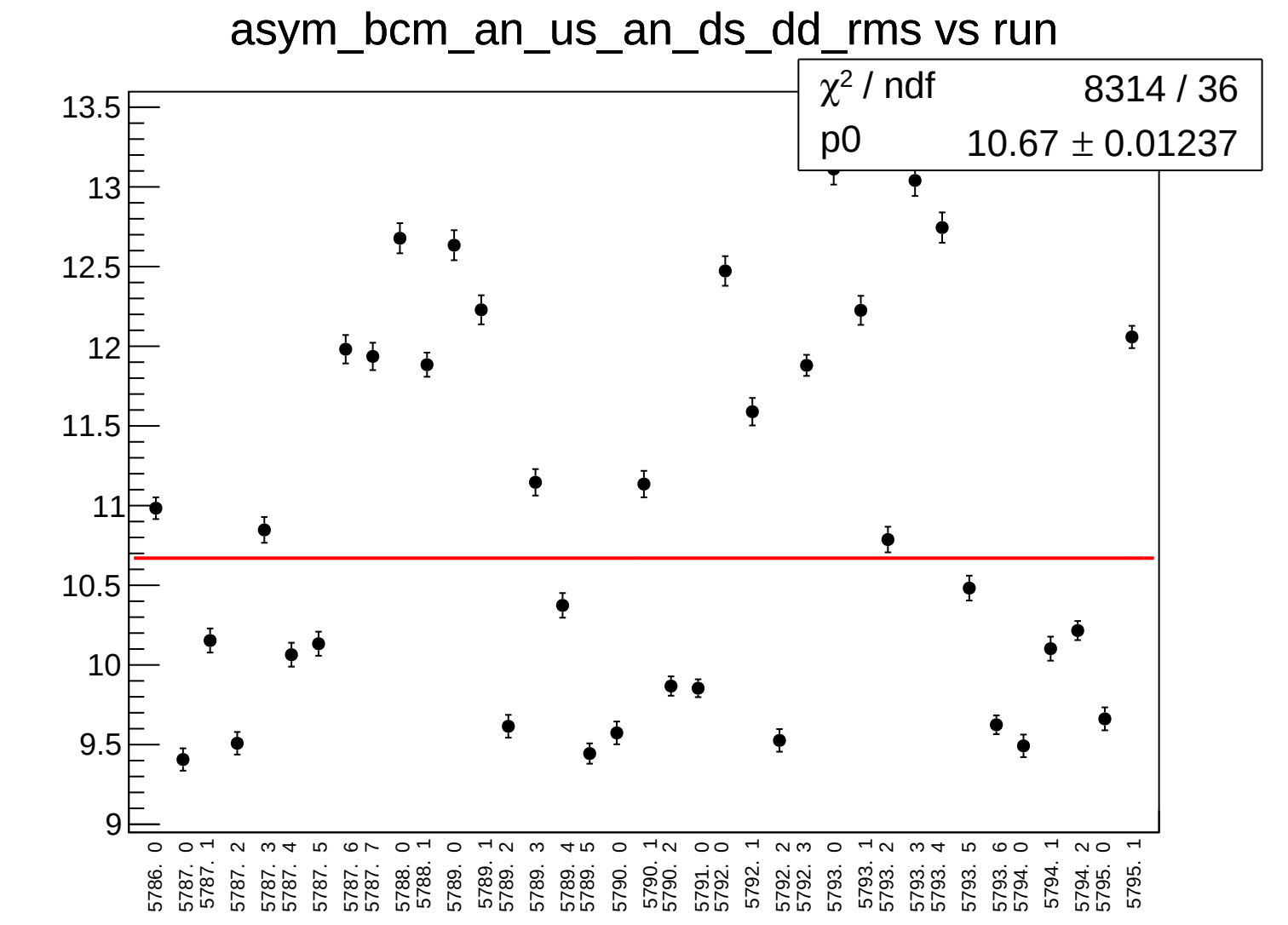

asym_bcm_2an_us_an_ds_dd_rms vs run
χ² / ndf 2.89e+04 / 36
p0 40.75 ± 0.04789
110
100
90
80
70
60
50
40
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

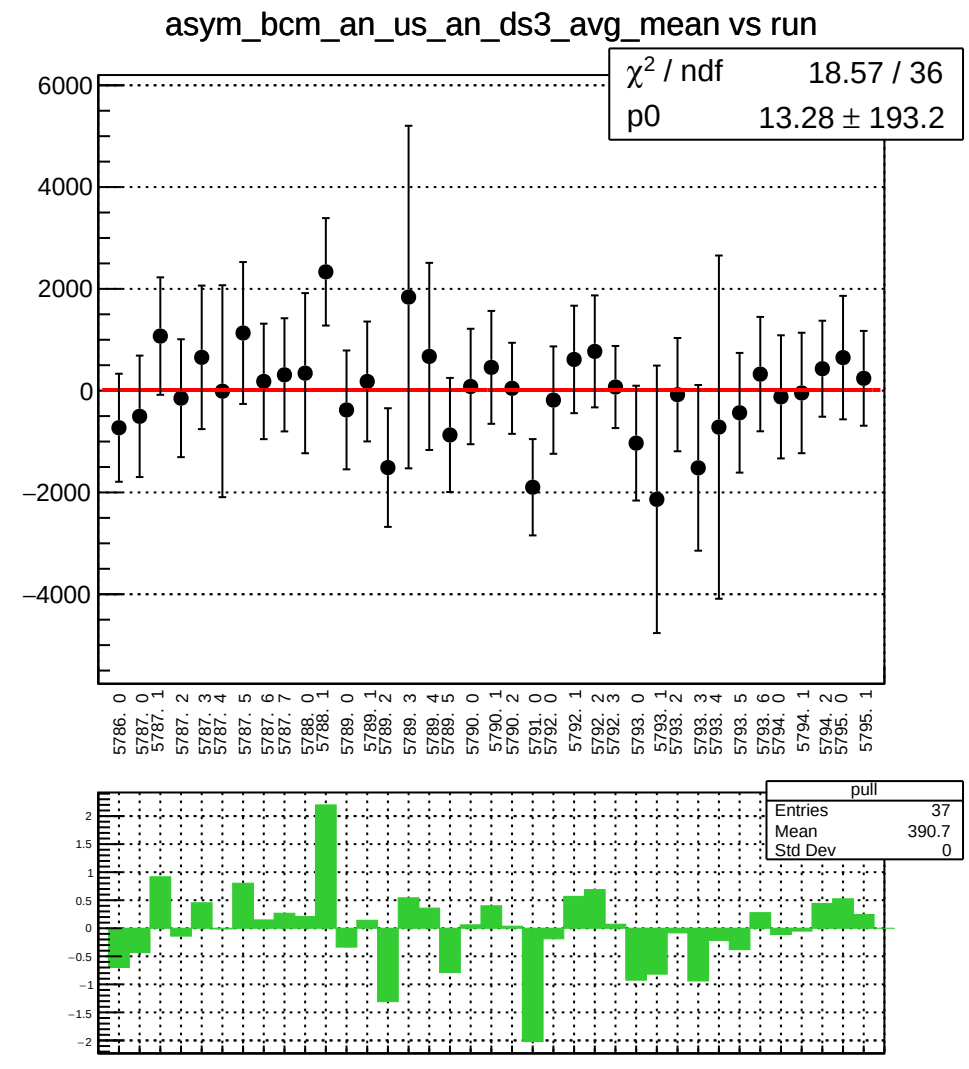

asym_bcm_an_us_an_ds_avg_mean vs run
χ² / ndf 18.68 / 36
p0 12.15 ± 192.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 329.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002989
Std Dev 0.7104
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

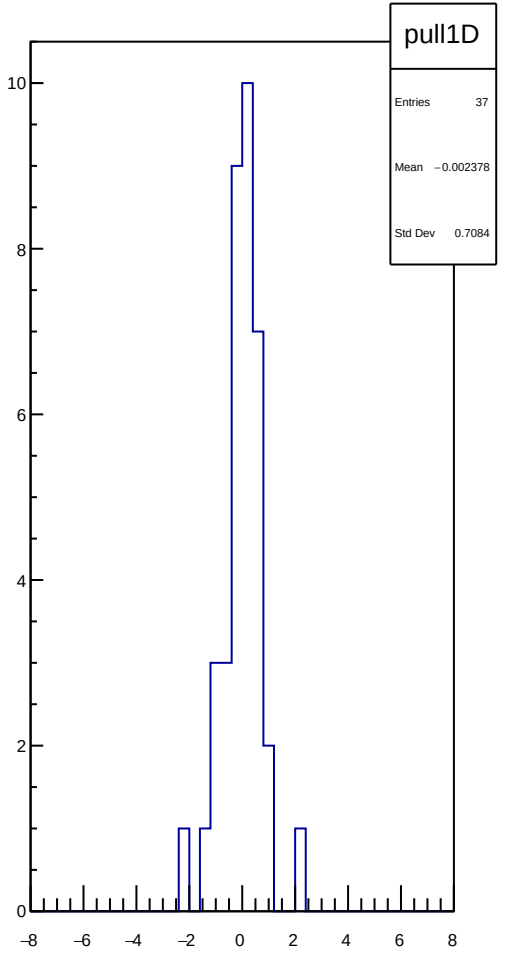

asym_bcm_an_us_an_ds_avg_rms vs run
χ² / ndf 3.097e+04 / 36
p0 115.6 ± 0.1361
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

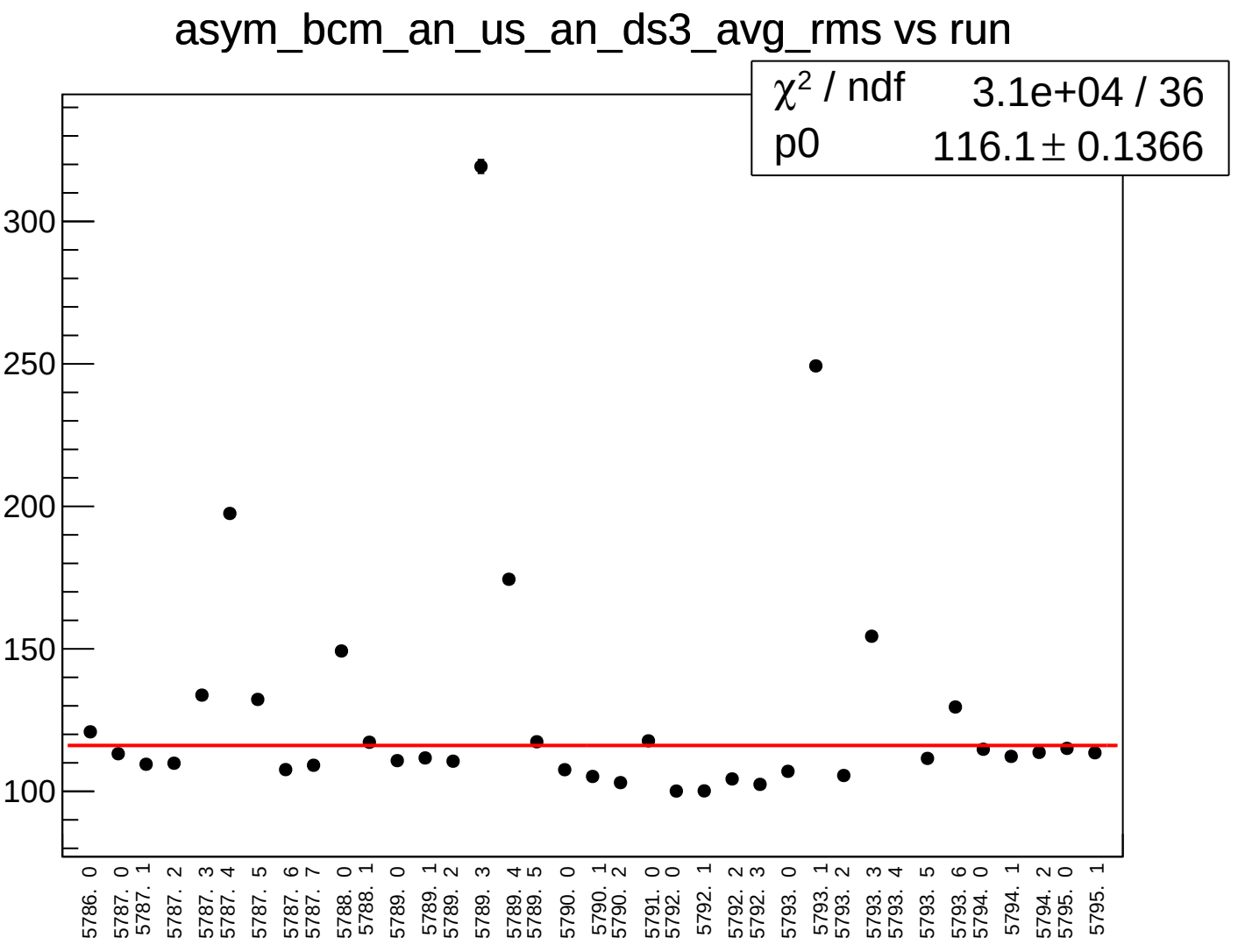

asym_bcm_an_us_an_ds_dd_mean vs run
χ² / ndf 43.34 / 36
p0 10.82 ± 17.49
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −169.4
Std Dev 0
3
2
1
0
−1
−2

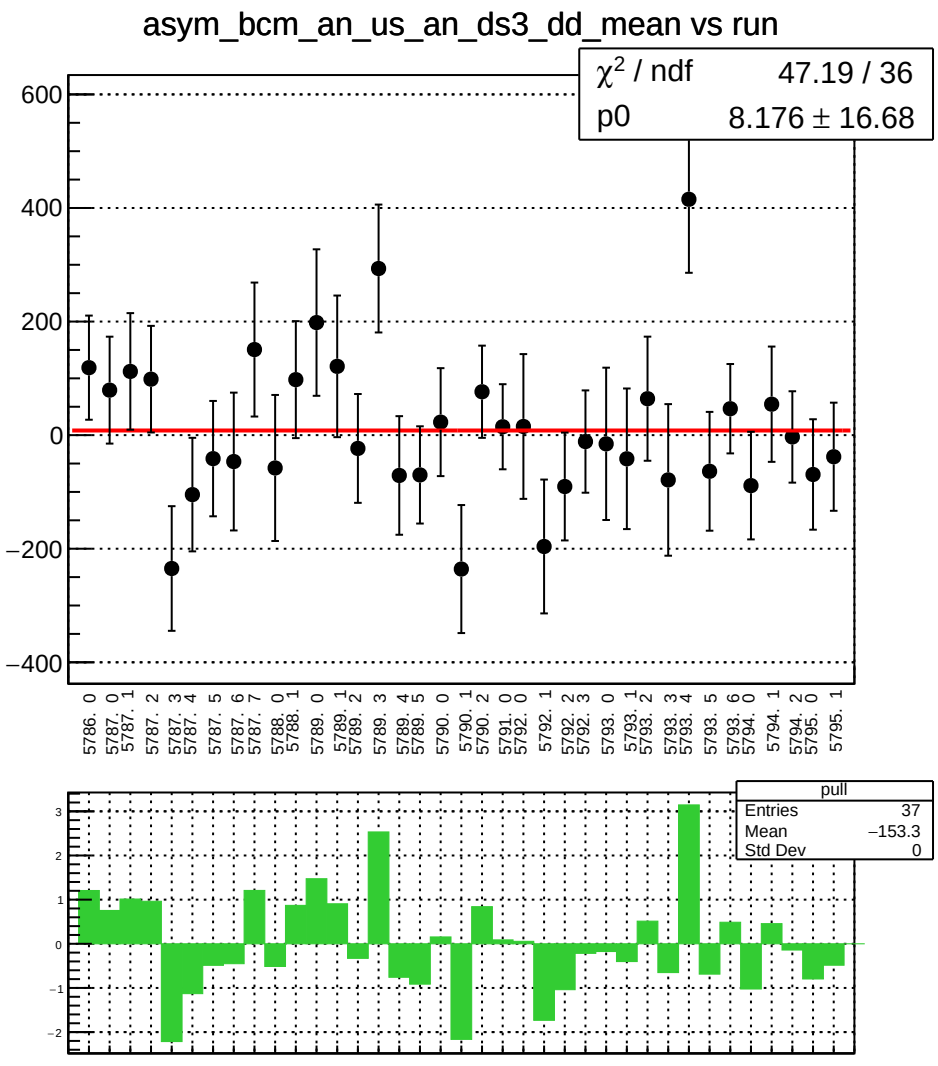

pull1D
Entries 37
Mean 0.006128
Std Dev 1.082
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

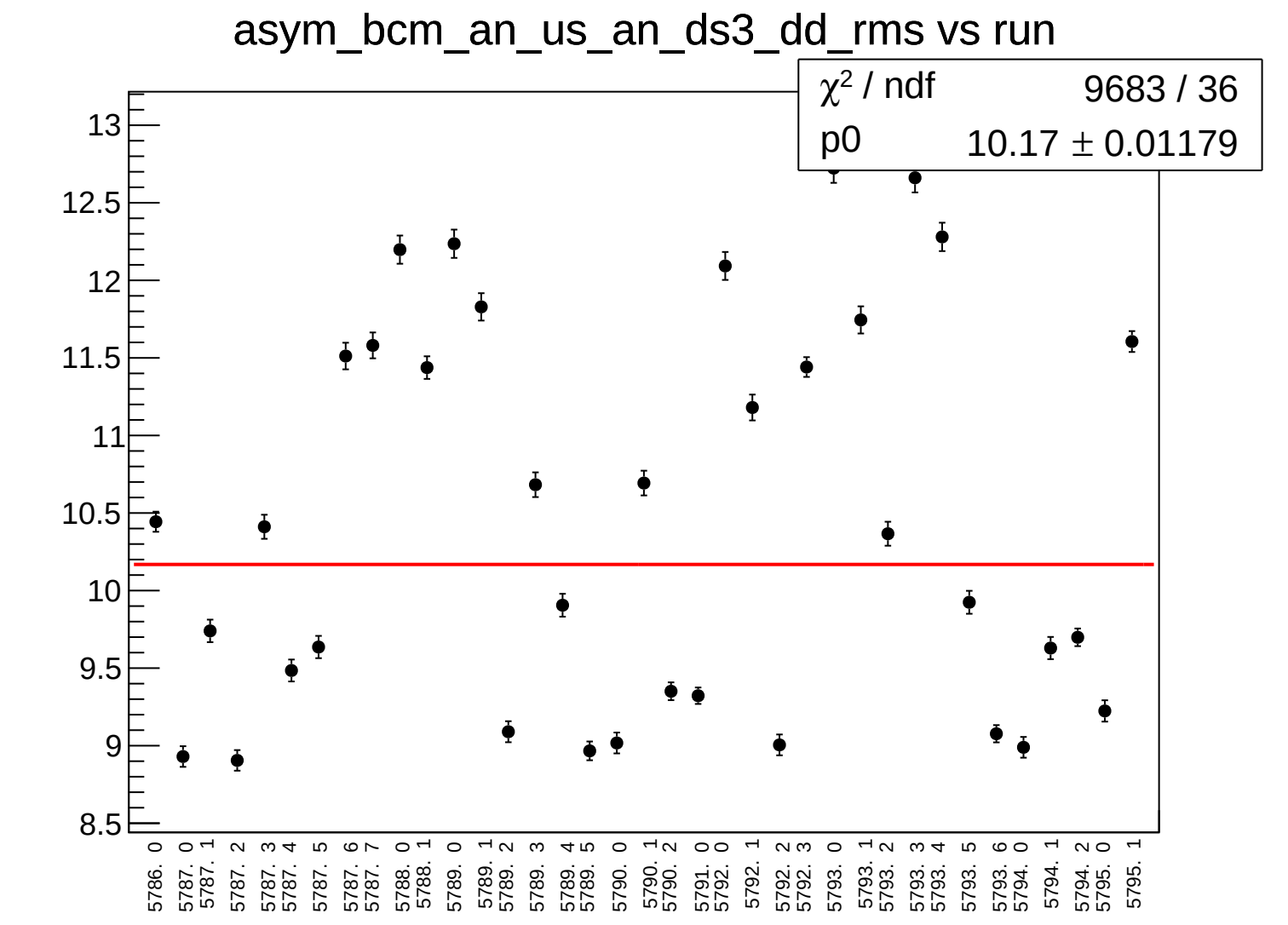

asym_bcm_an_us_an_ds_dd_rms vs run
χ² / ndf 8314 / 36
p0 10.67 ± 0.01237
13.5
13
12.5
12
11.5
11
10.5
10
9.5
9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

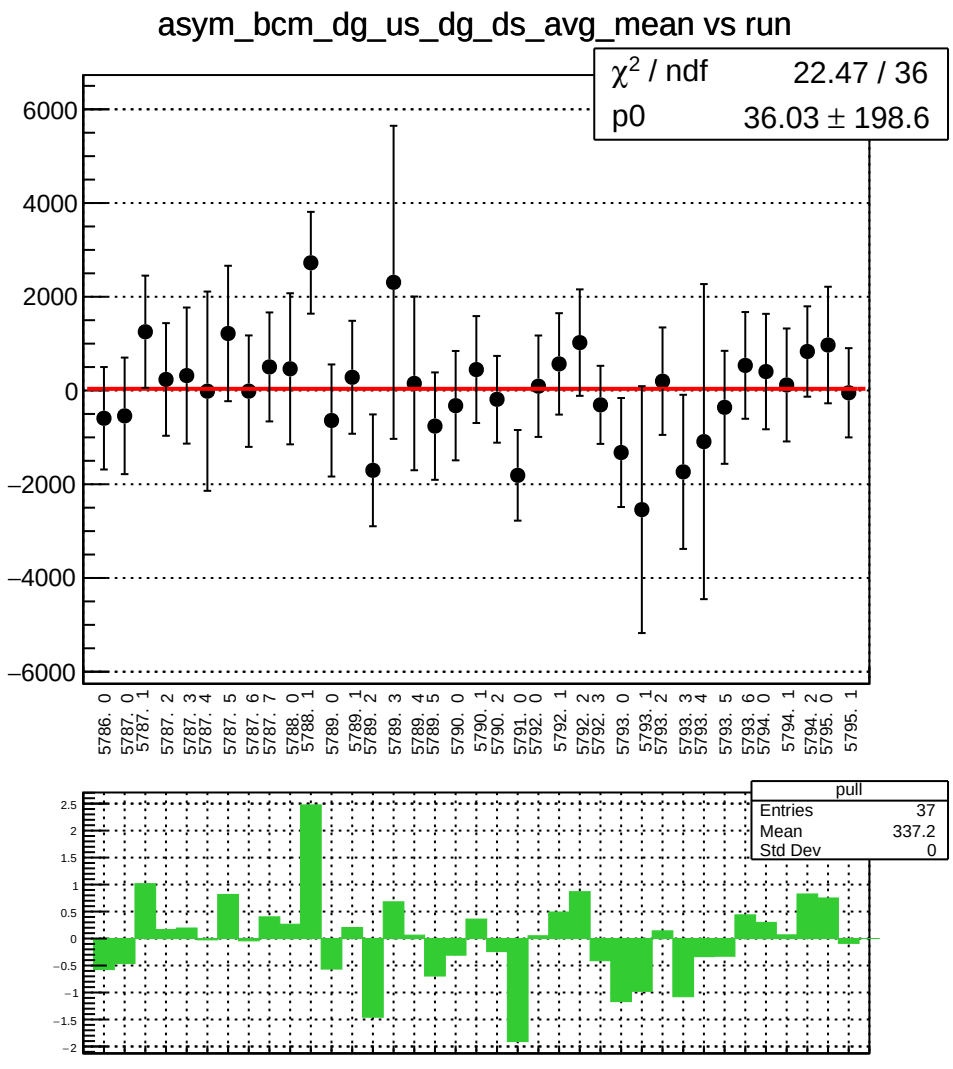

asym_bcm_an_us_an_ds3_avg_mean vs run
χ² / ndf 18.57 / 36
p0 13.28 ± 193.2
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 390.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

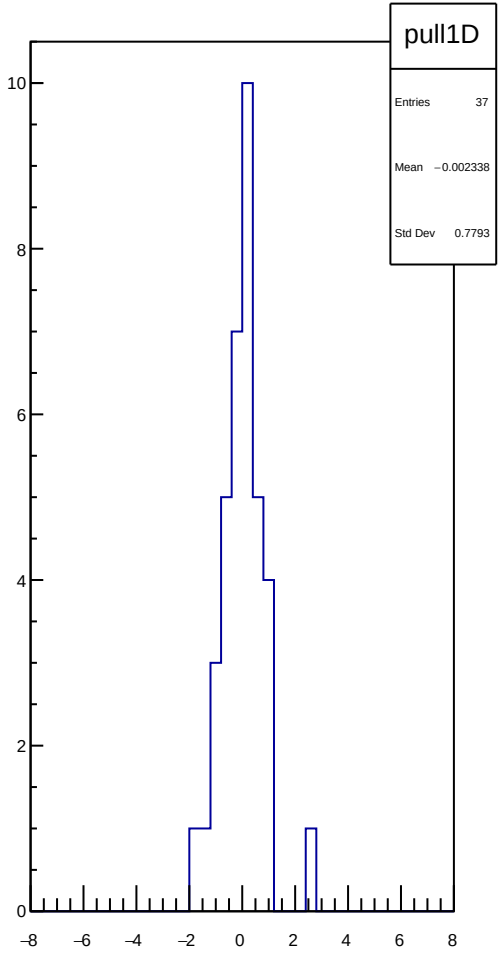

pull1D
Entries 37
Mean −0.002378
Std Dev 0.7084
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

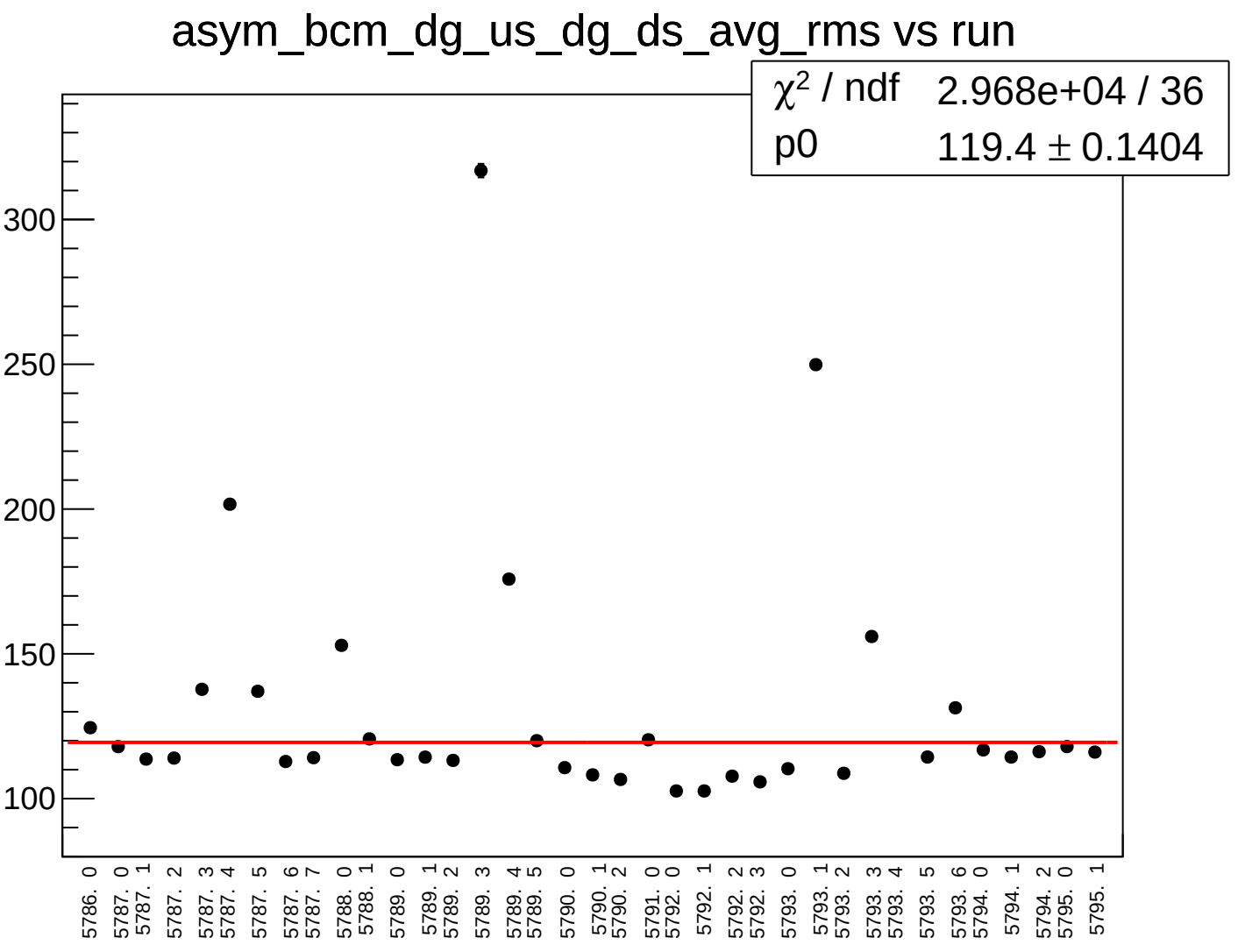

asym_bcm_an_us_an_ds3_avg_rms vs run
χ² / ndf 3.1e+04 / 36
p0 116.1 ± 0.1366
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

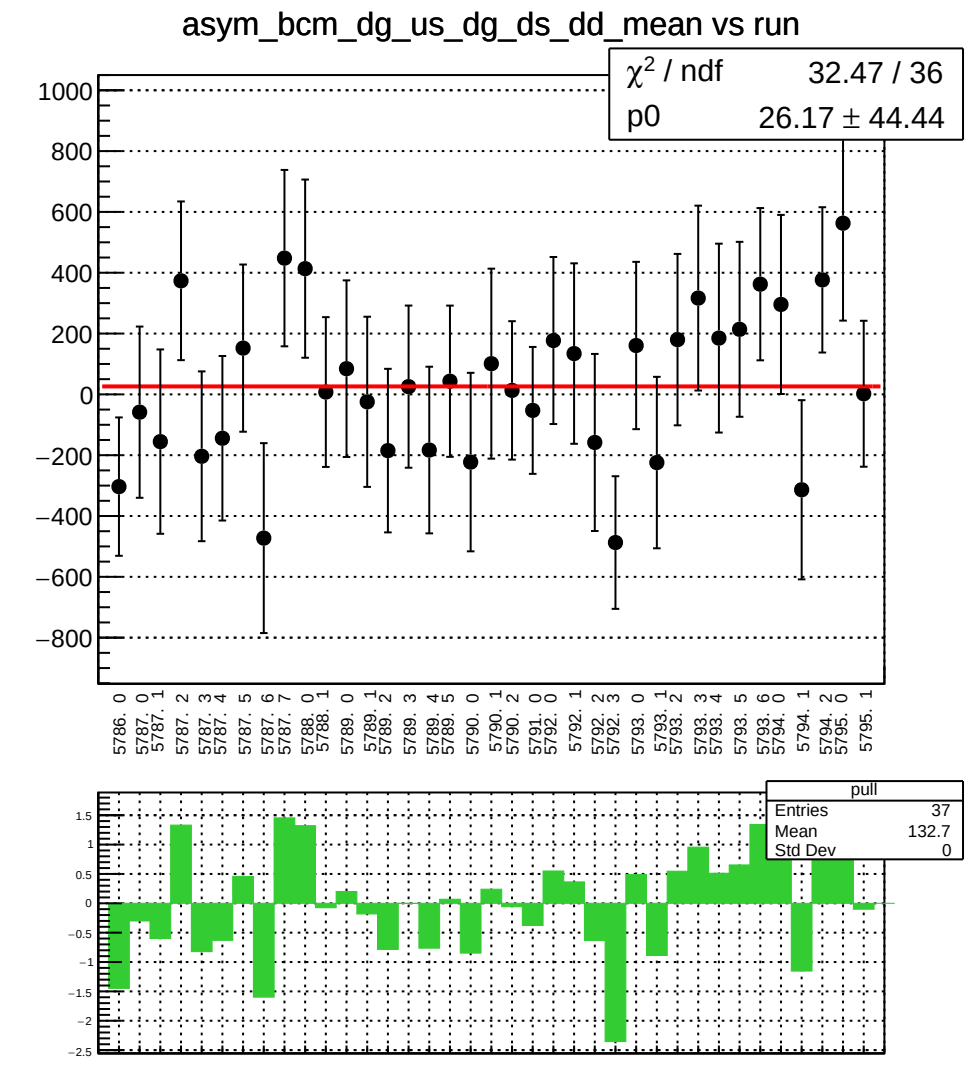

asym_bcm_an_us_an_ds3_dd_mean vs run
χ² / ndf 47.19 / 36
p0 8.176 ± 16.68
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −153.3
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.009653
Std Dev 1.129
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

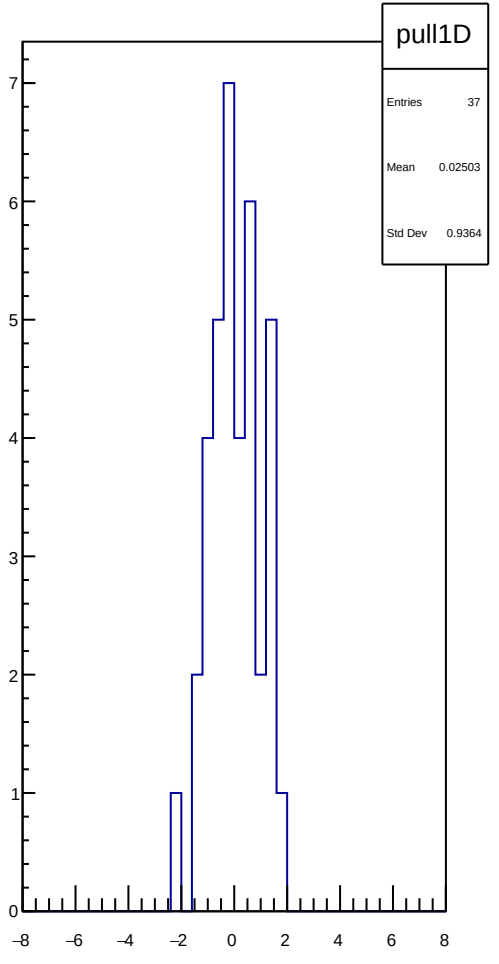

asym_bcm_an_us_an_ds3_dd_rms vs run
χ² / ndf 9683 / 36
p0 10.17 ± 0.01179
13
12.5
12
11.5
11
10.5
10
9.5
9
8.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

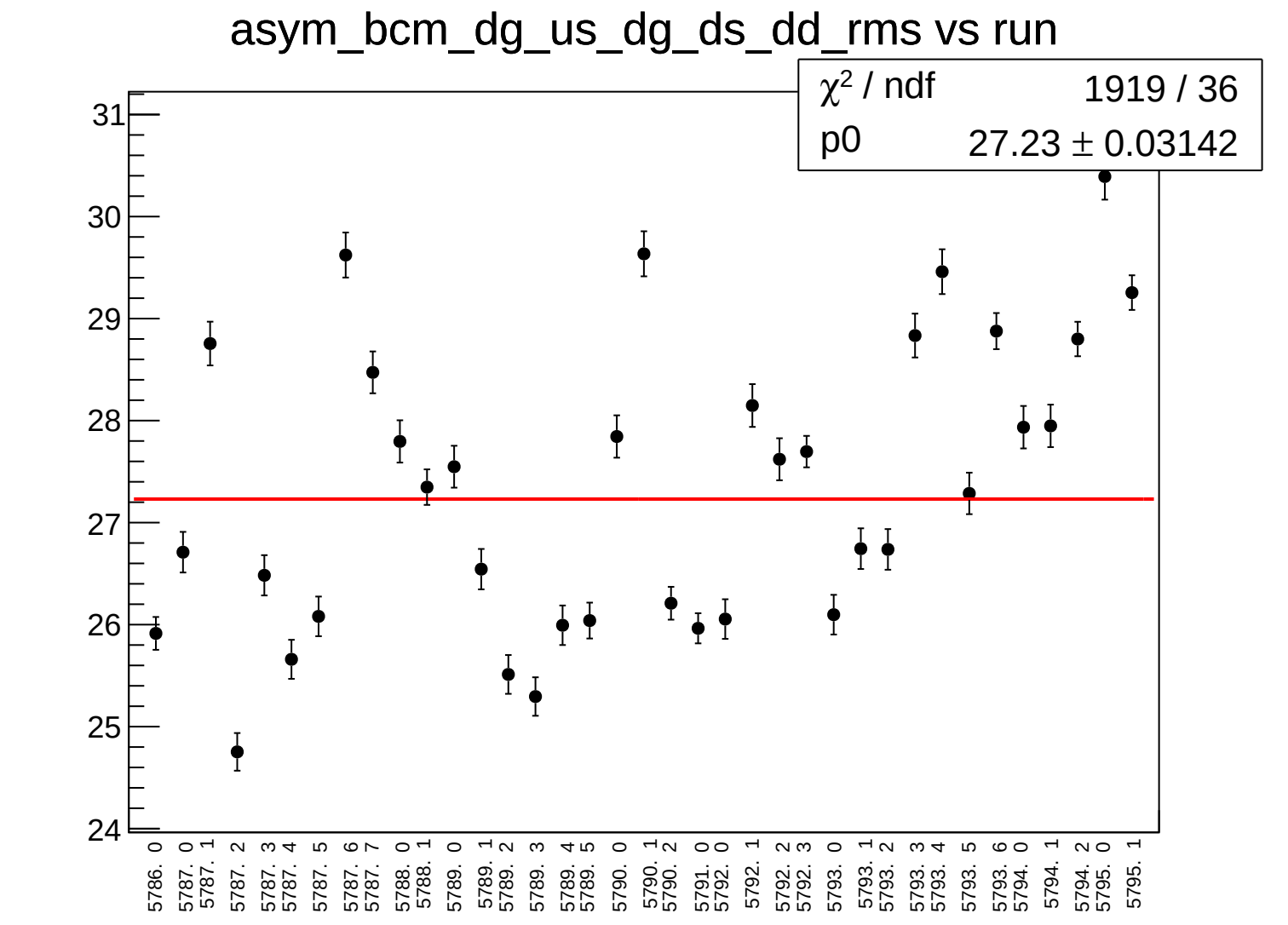

asym_bcm_dg_us_dg_ds_avg_mean vs run
χ² / ndf 22.47 / 36
p0 36.03 ± 198.6
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 337.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

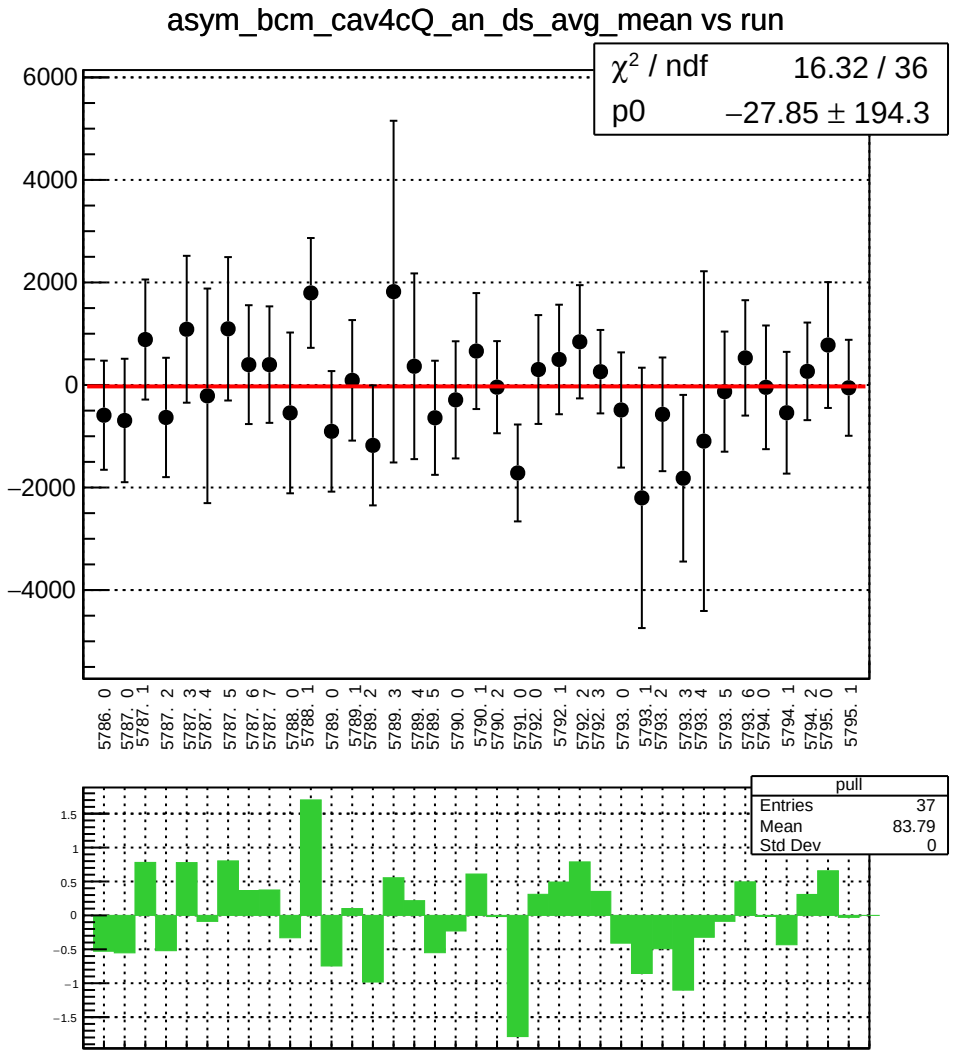

pull1D
Entries 37
Mean −0.002338
Std Dev 0.7793
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

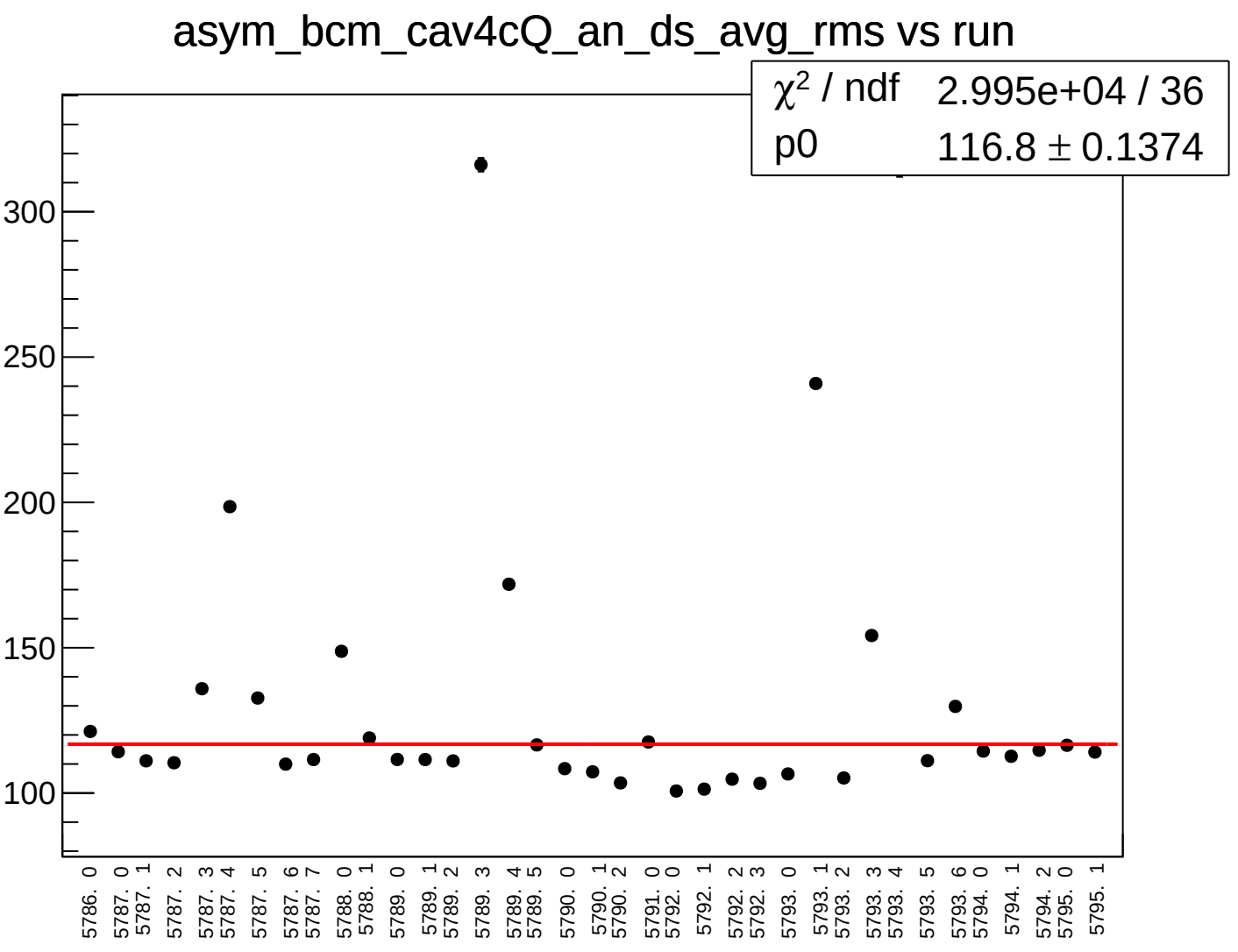

asym_bcm_dg_us_dg_ds_avg_rms vs run
χ² / ndf 2.968e+04 / 36
p0 119.4 ± 0.1404
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

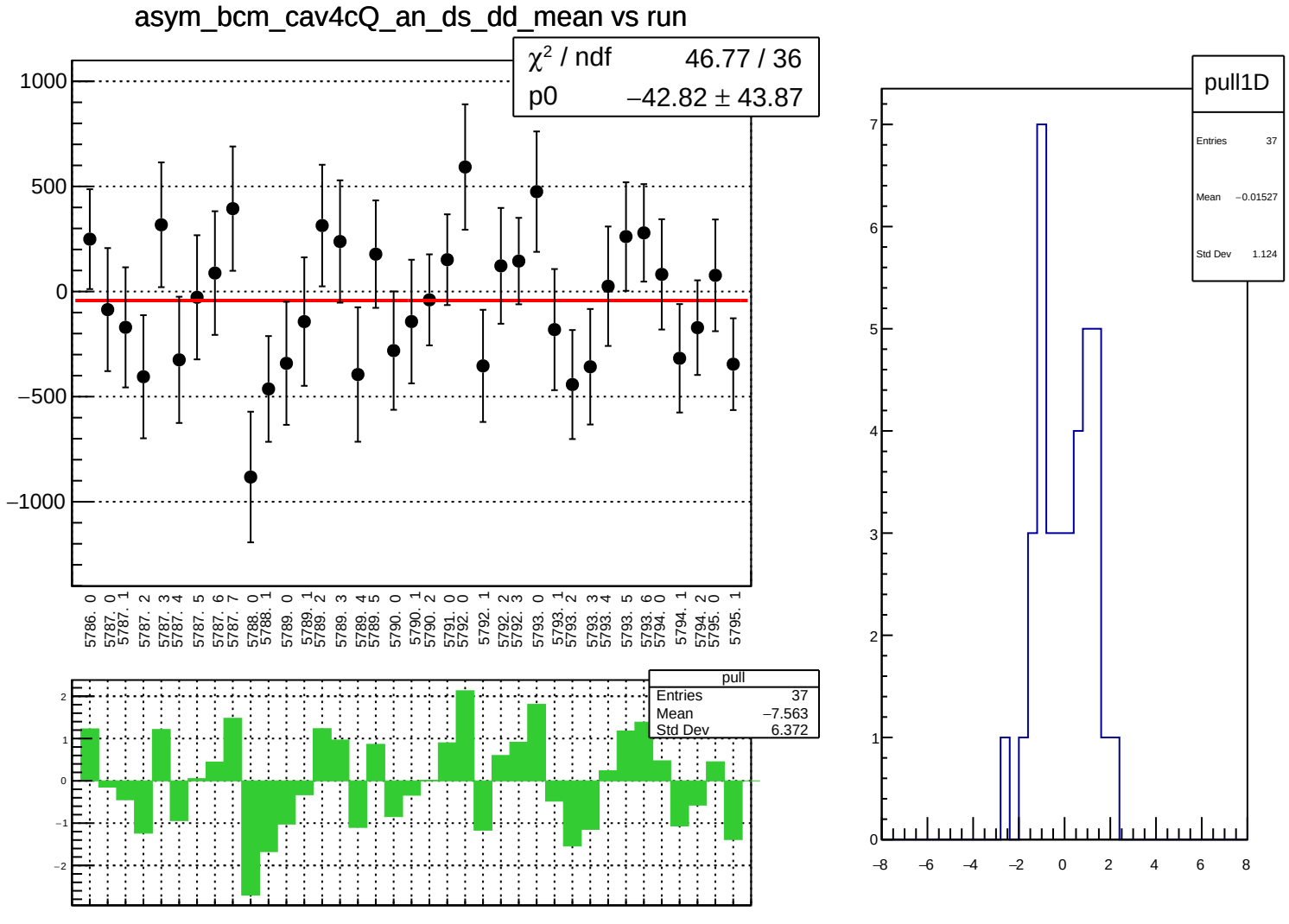

asym_bcm_dg_us_dg_ds_dd_mean vs run
χ² / ndf 32.47 / 36
p0 26.17 ± 44.44
1000
800
600
400
200
0
−200
−400
−600
−800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 132.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

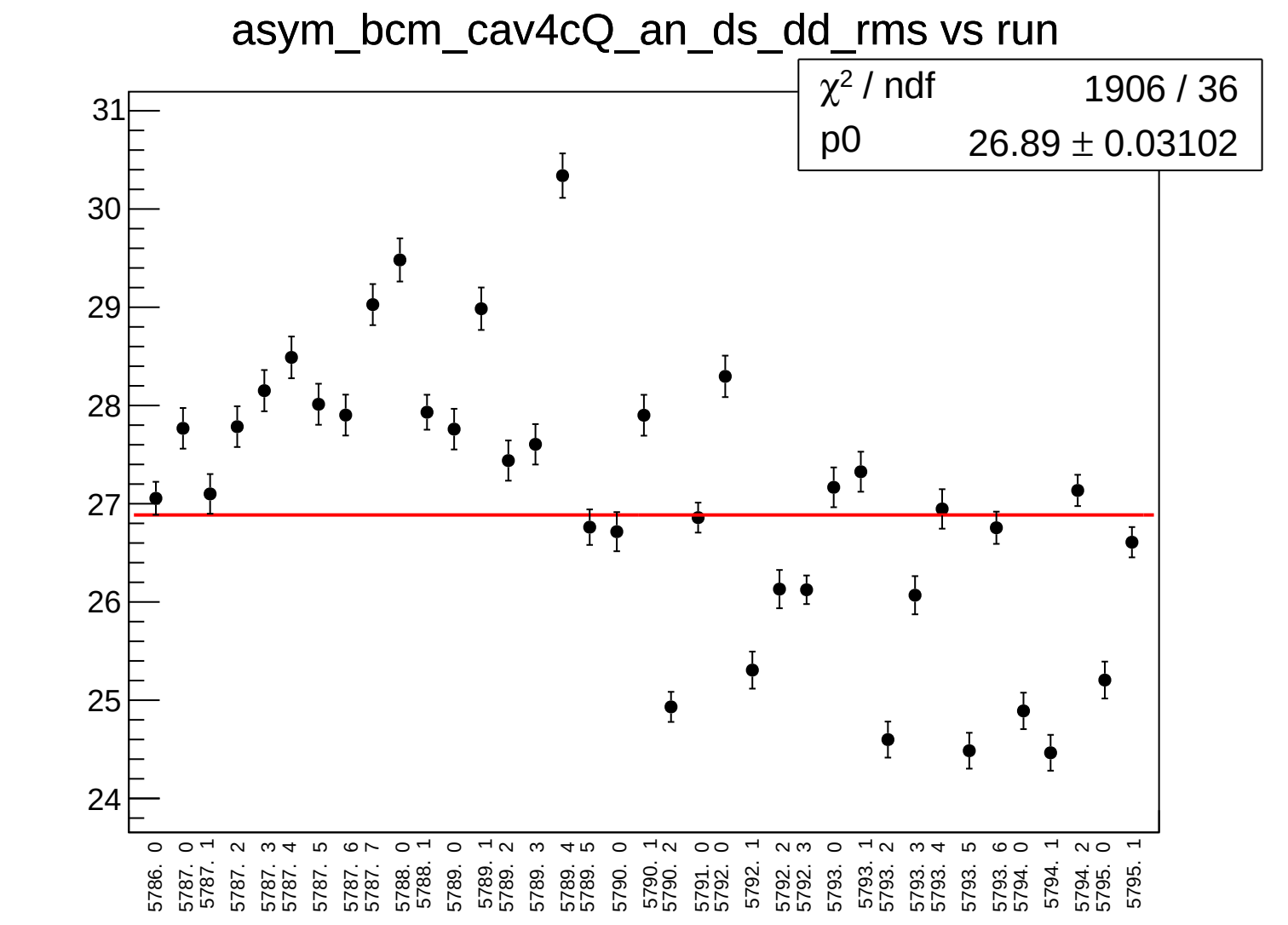

pull1D
Entries 37
Mean 0.02503
Std Dev 0.9364
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

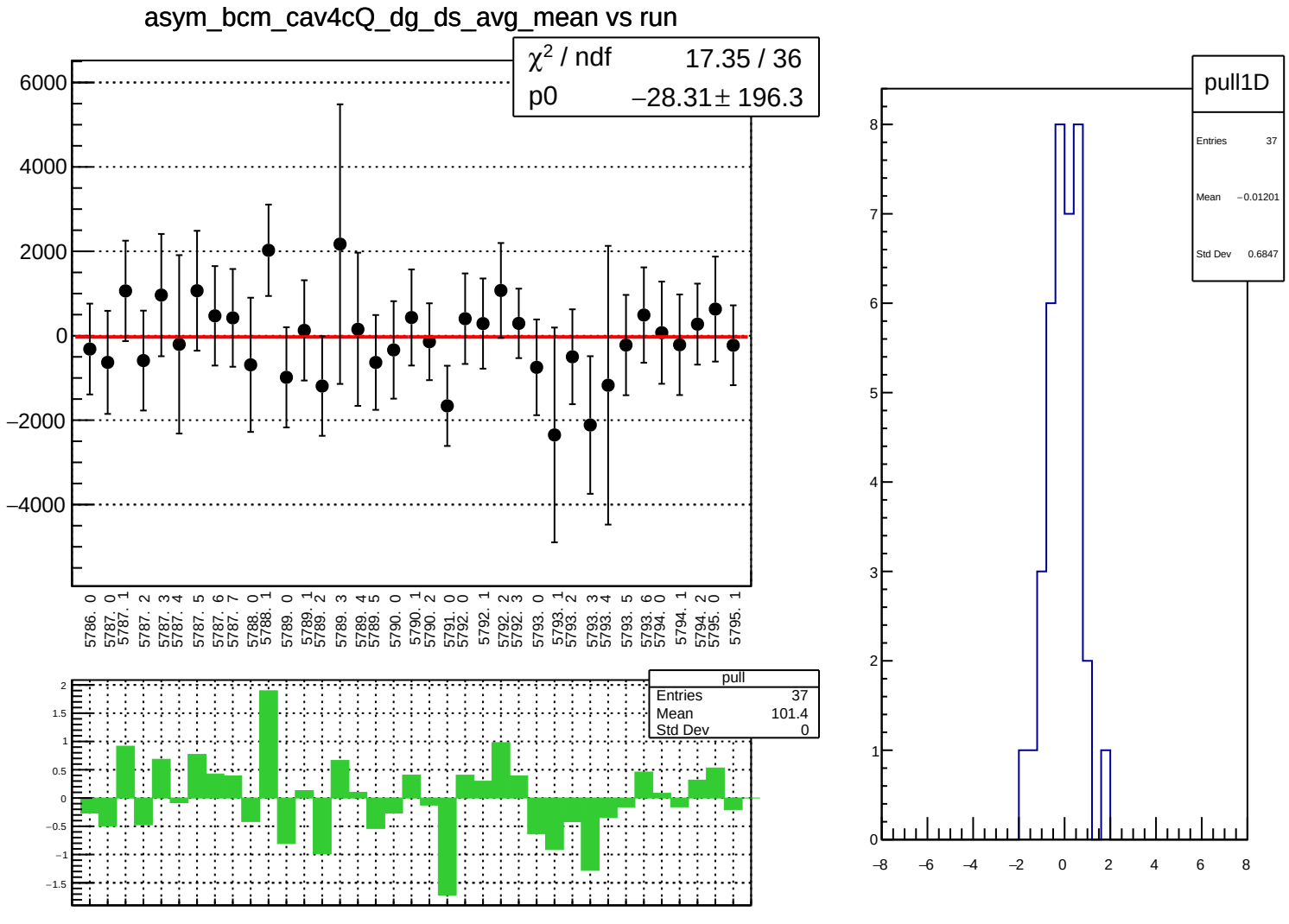

asym_bcm_dg_us_dg_ds_dd_rms vs run
χ² / ndf 1919 / 36
p0 27.23 ± 0.03142
31
30
29
28
27
26
25
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

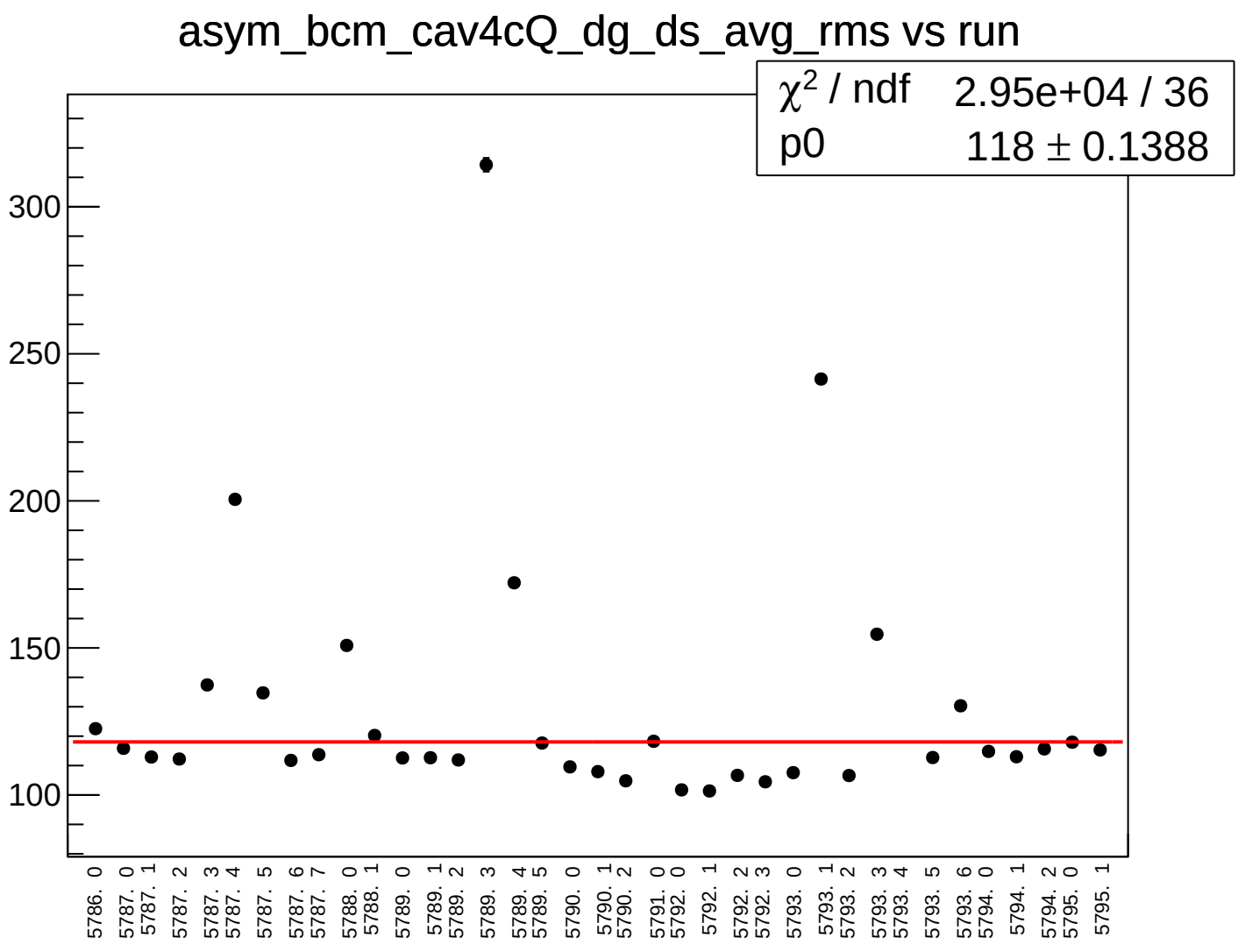

asym_bcm_cav4cQ_an_ds_avg_mean vs run
χ² / ndf 16.32 / 36
p0 −27.85 ± 194.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 83.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01021
Std Dev 0.6641
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

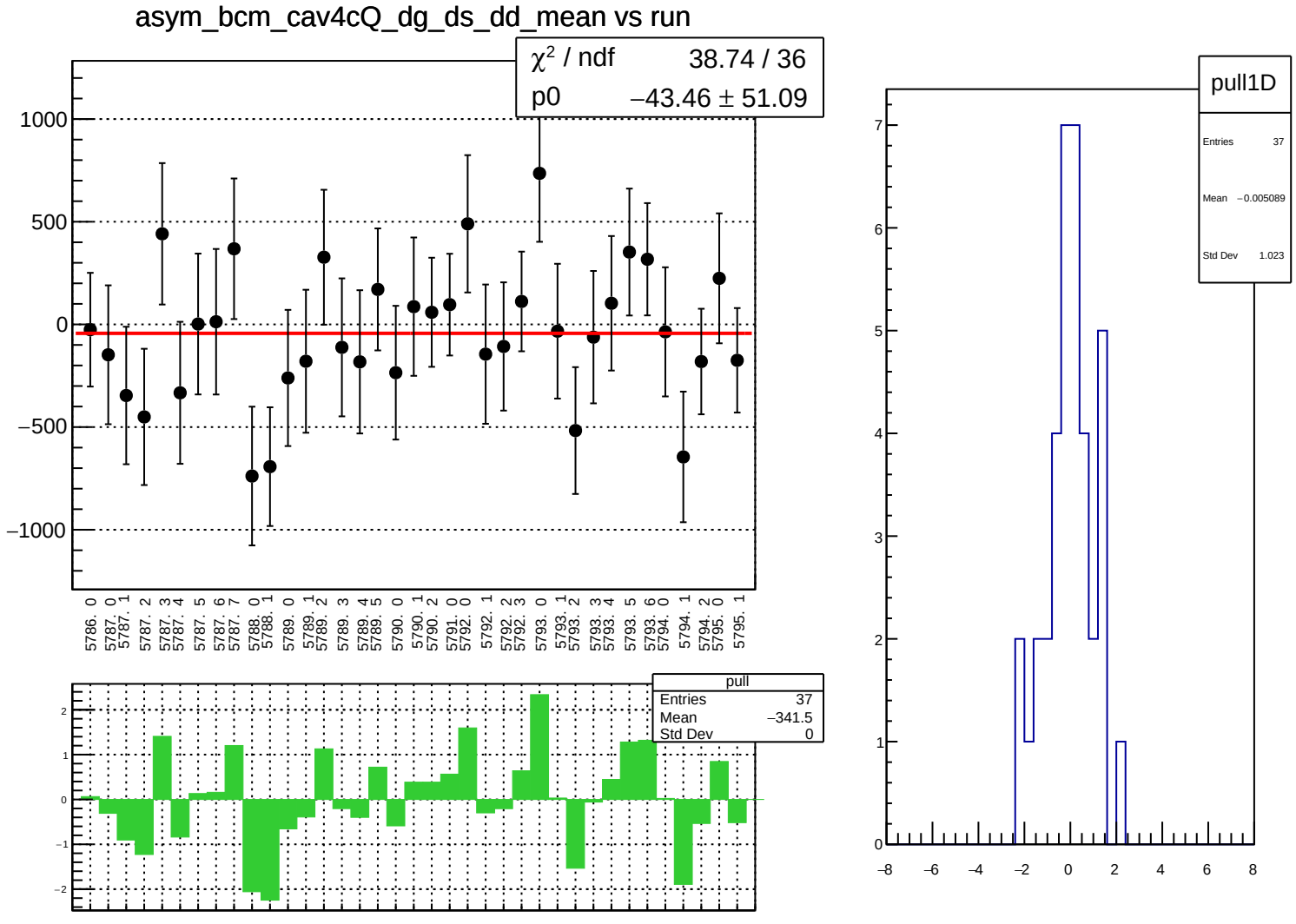

asym_bcm_cav4cQ_an_ds_avg_rms vs run
χ² / ndf 2.995e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

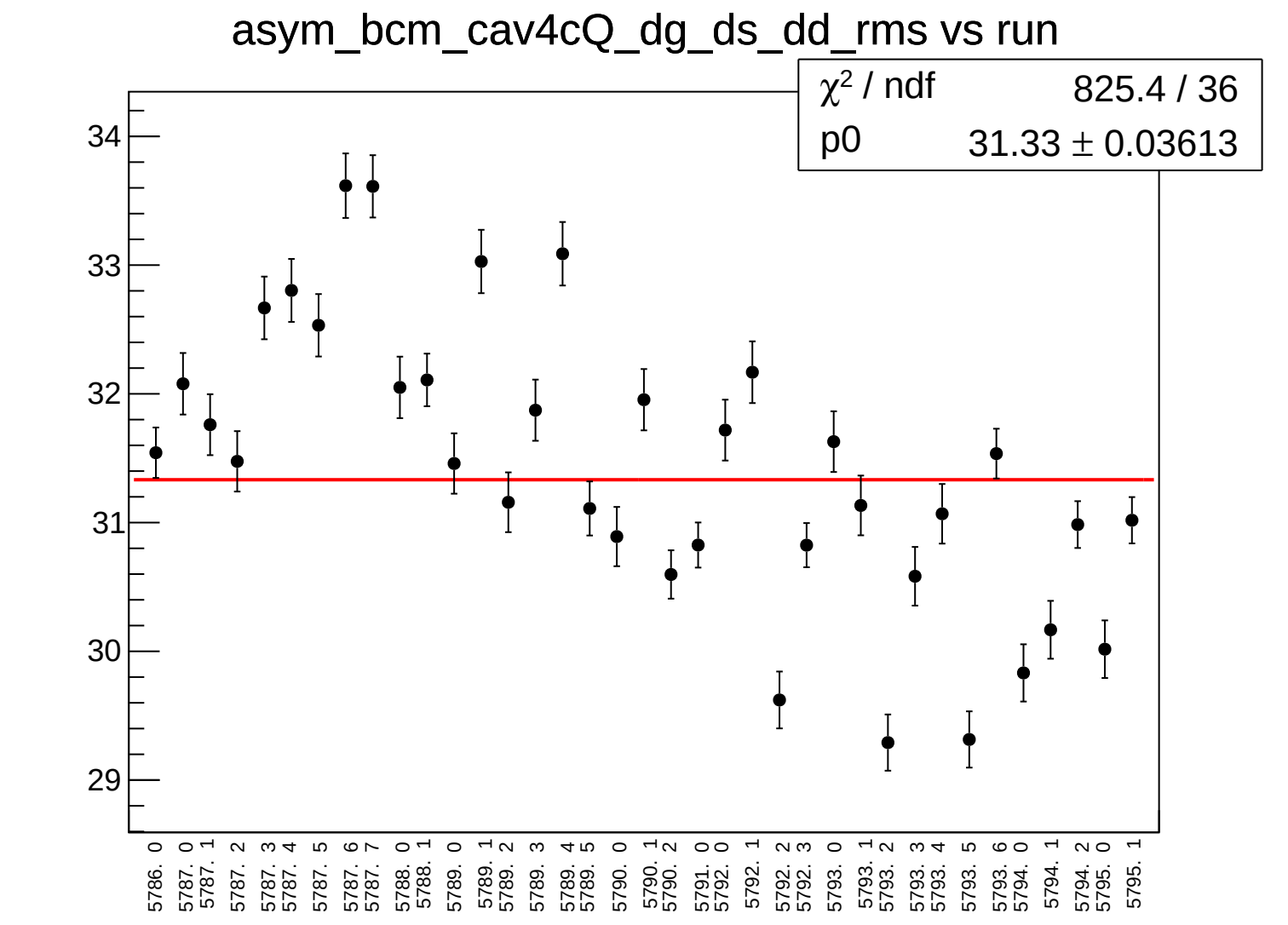

asym_bcm_cav4cQ_an_ds_dd_mean vs run
χ² / ndf 46.77 / 36
p0 −42.82 ± 43.87
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.563
Std Dev 6.372
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01527
Std Dev 1.124
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

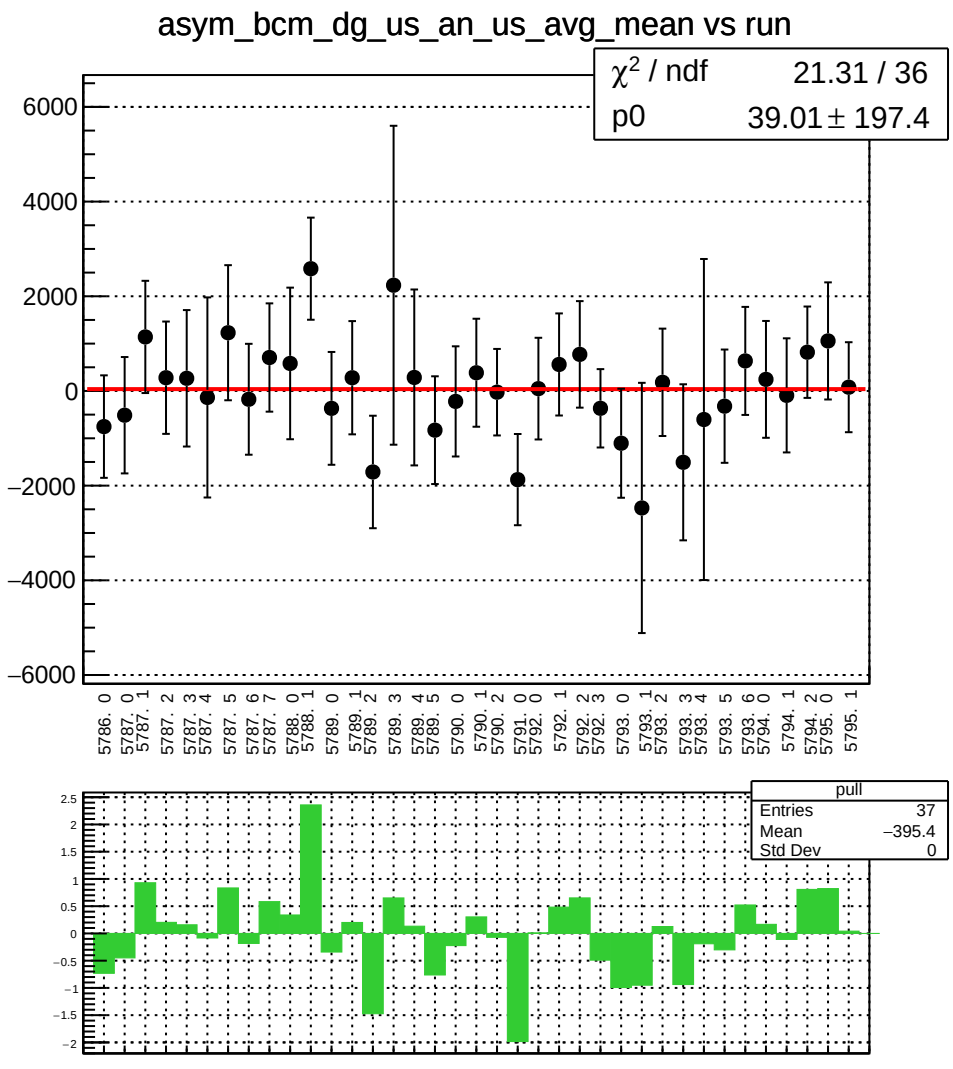

asym_bcm_cav4cQ_an_ds_dd_rms vs run
χ² / ndf 1906 / 36
p0 26.89 ± 0.03102
31
30
29
28
27
26
25
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

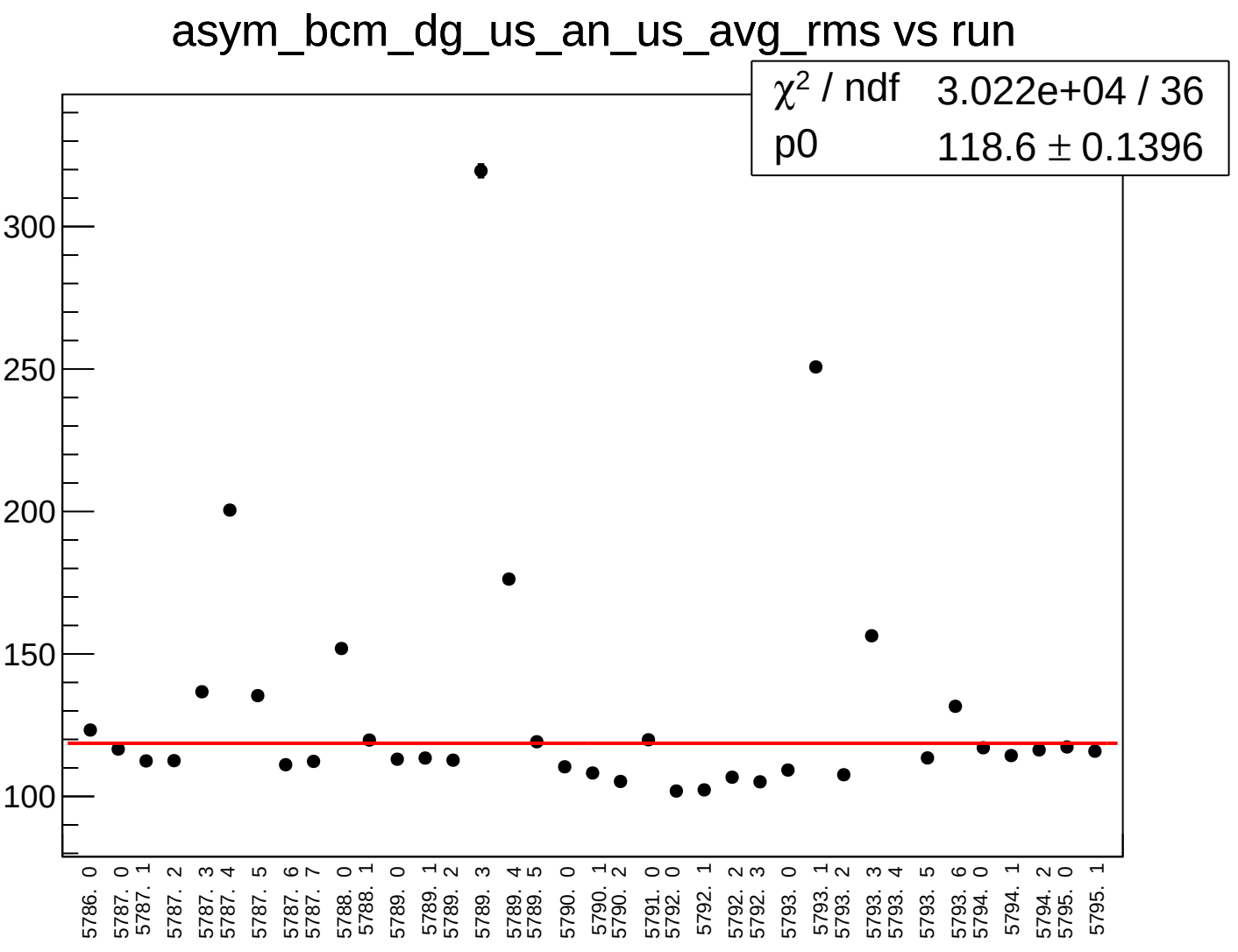

asym_bcm_cav4cQ_dg_ds_avg_mean vs run
χ² / ndf 17.35 / 36
p0 −28.31 ± 196.3
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 101.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.01201
Std Dev 0.6847
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

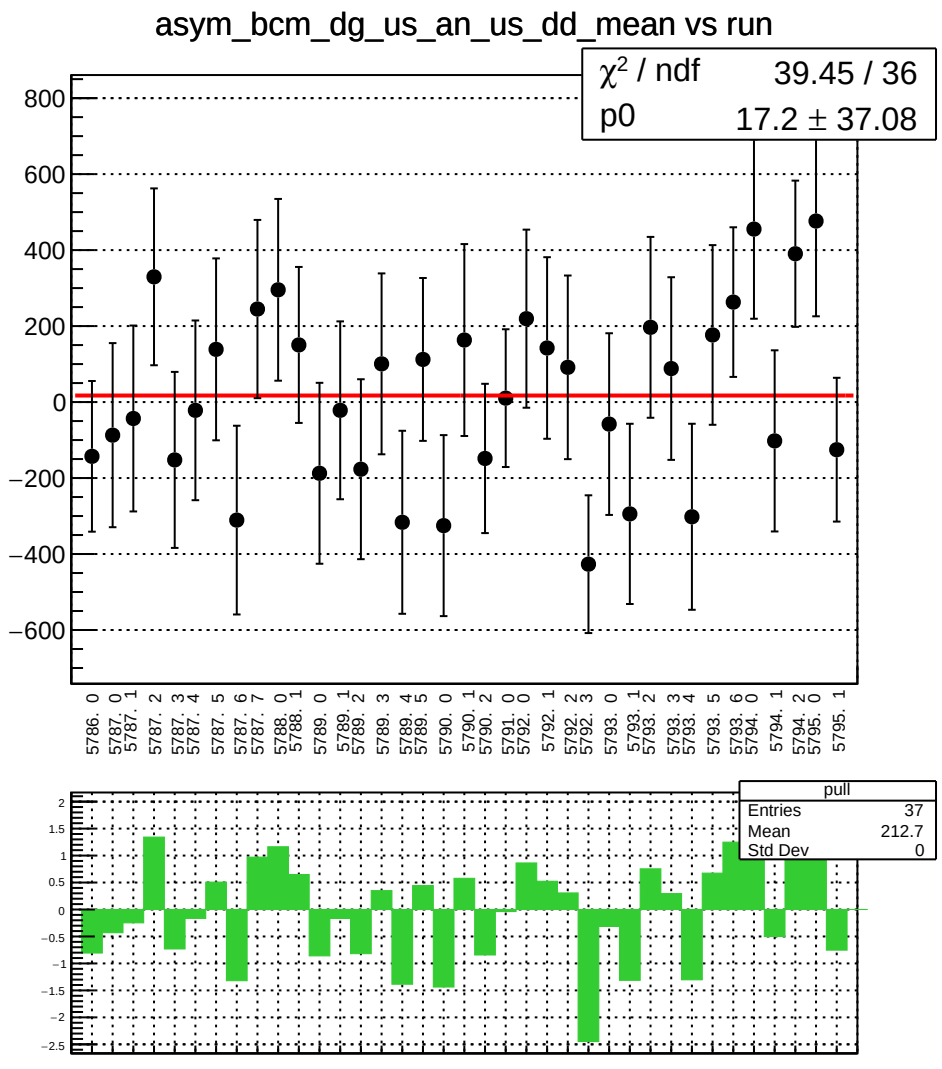

asym_bcm_cav4cQ_dg_ds_avg_rms vs run
χ² / ndf 2.95e+04 / 36
p0 118 ± 0.1388
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

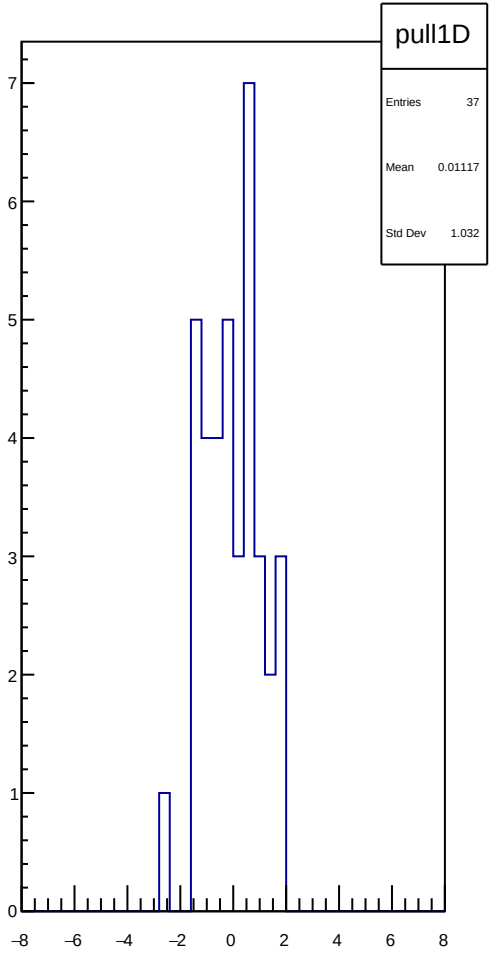

asym_bcm_cav4cQ_dg_ds_dd_mean vs run
χ² / ndf 38.74 / 36
p0 −43.46 ± 51.09
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −341.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.005089
Std Dev 1.023
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

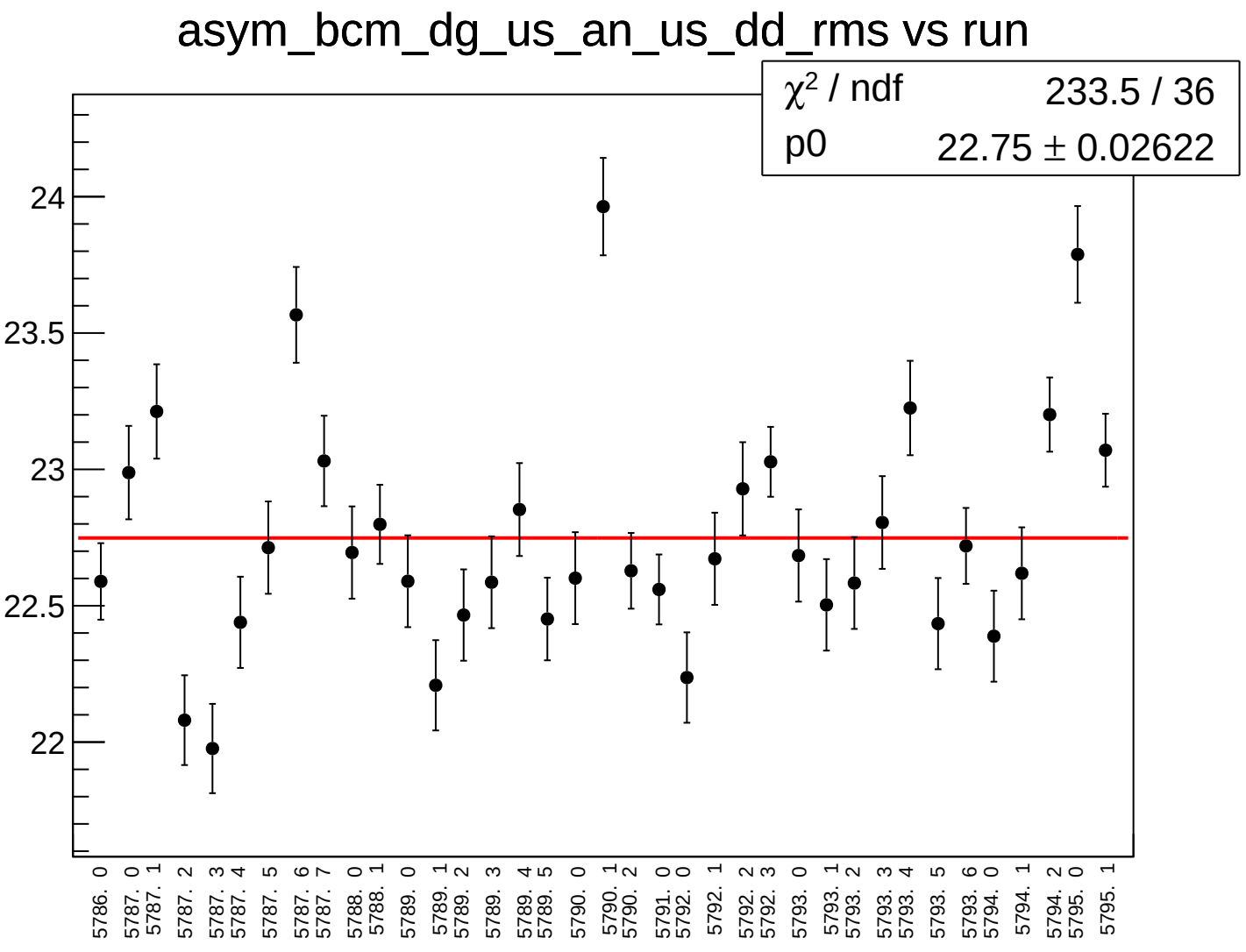

asym_bcm_cav4cQ_dg_ds_dd_rms vs run
χ² / ndf 825.4 / 36
p0 31.33 ± 0.03613
34
33
32
31
30
29
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_bcm_dg_us_an_us_avg_mean vs run
χ² / ndf 21.31 / 36
p0 39.01 ± 197.4
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −395.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.001426
Std Dev 0.7589
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_an_us_avg_rms vs run
χ² / ndf 3.022e+04 / 36
p0 118.6 ± 0.1396
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_bcm_dg_us_an_us_dd_mean vs run
χ² / ndf 39.45 / 36
p0 17.2 ± 37.08
800
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 212.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean 0.01117
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_bcm_dg_us_an_us_dd_rms vs run
χ² / ndf 233.5 / 36
p0 22.75 ± 0.02622
24
23.5
23
22.5
22
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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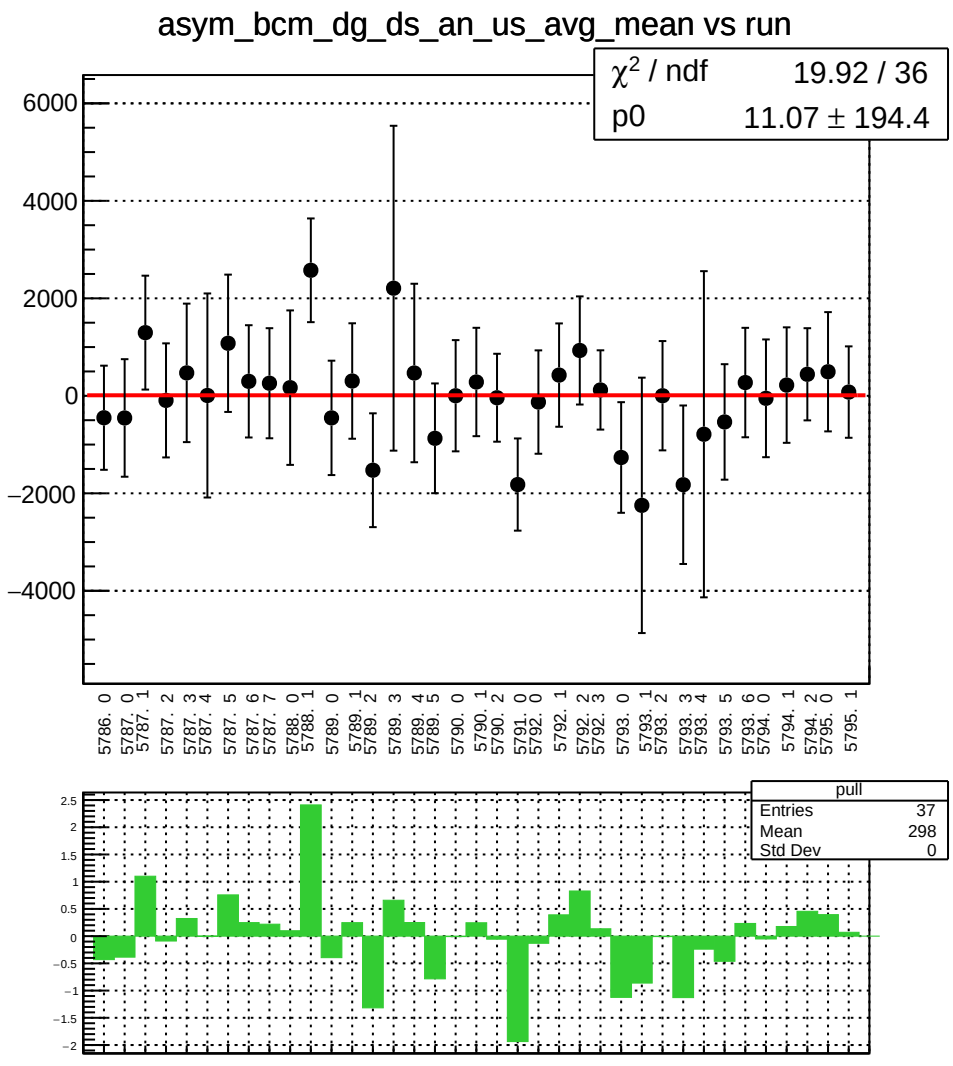
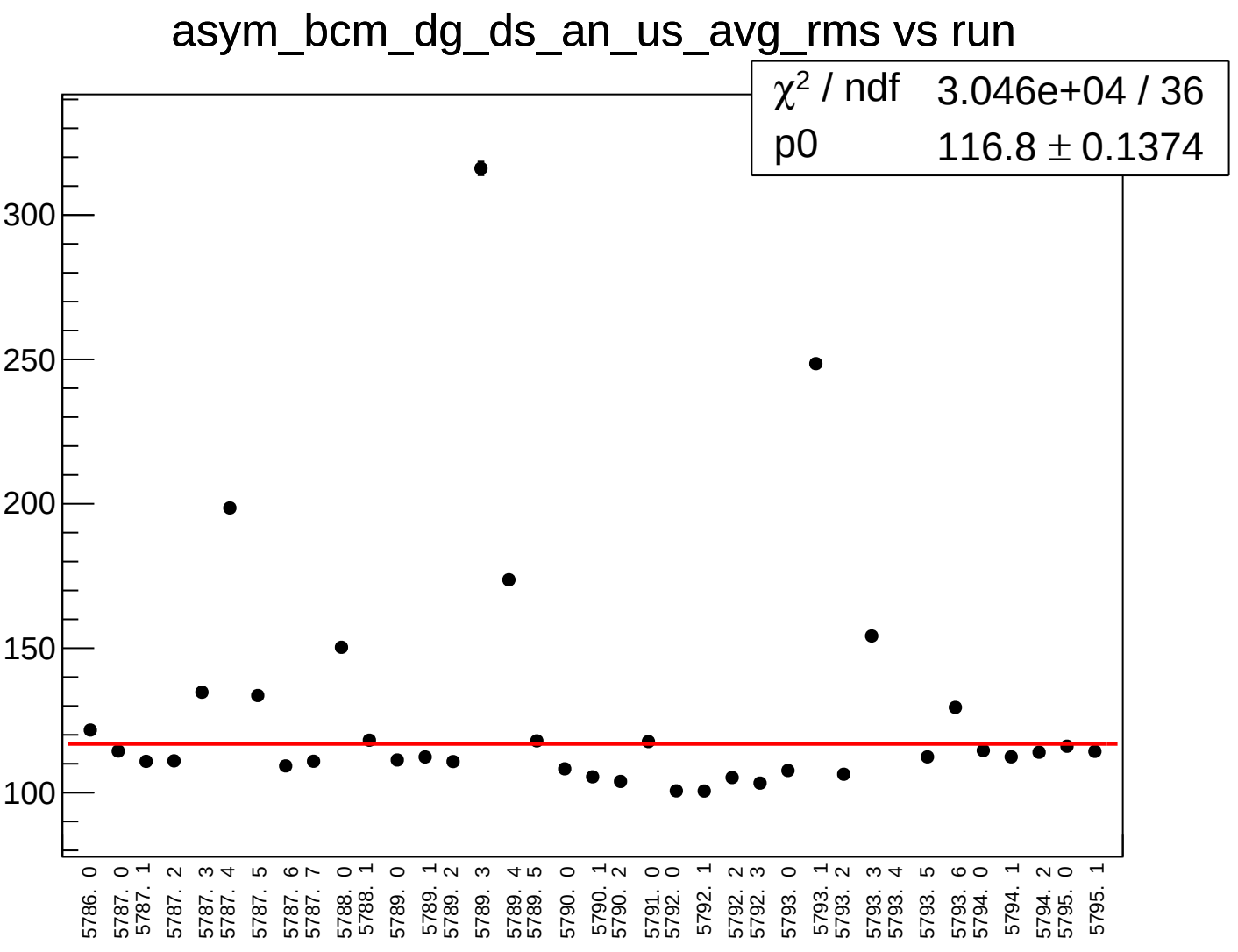
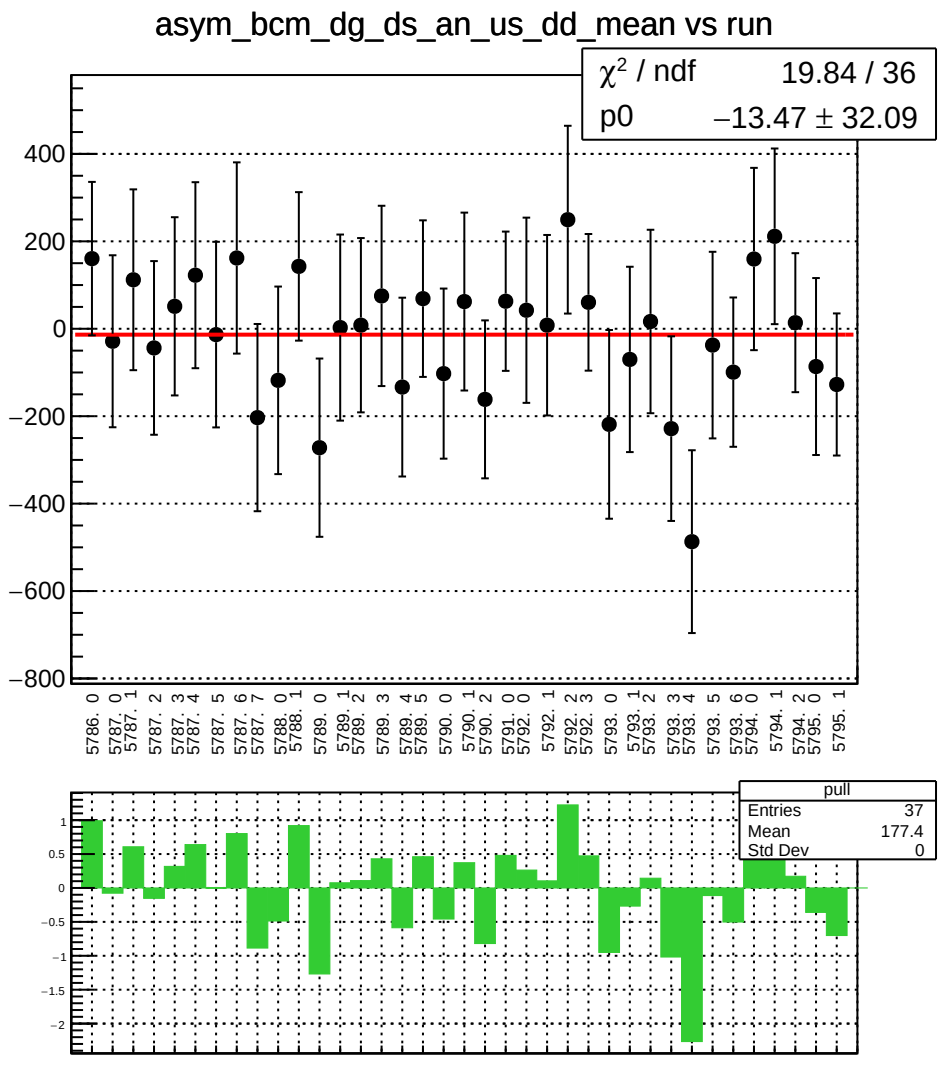
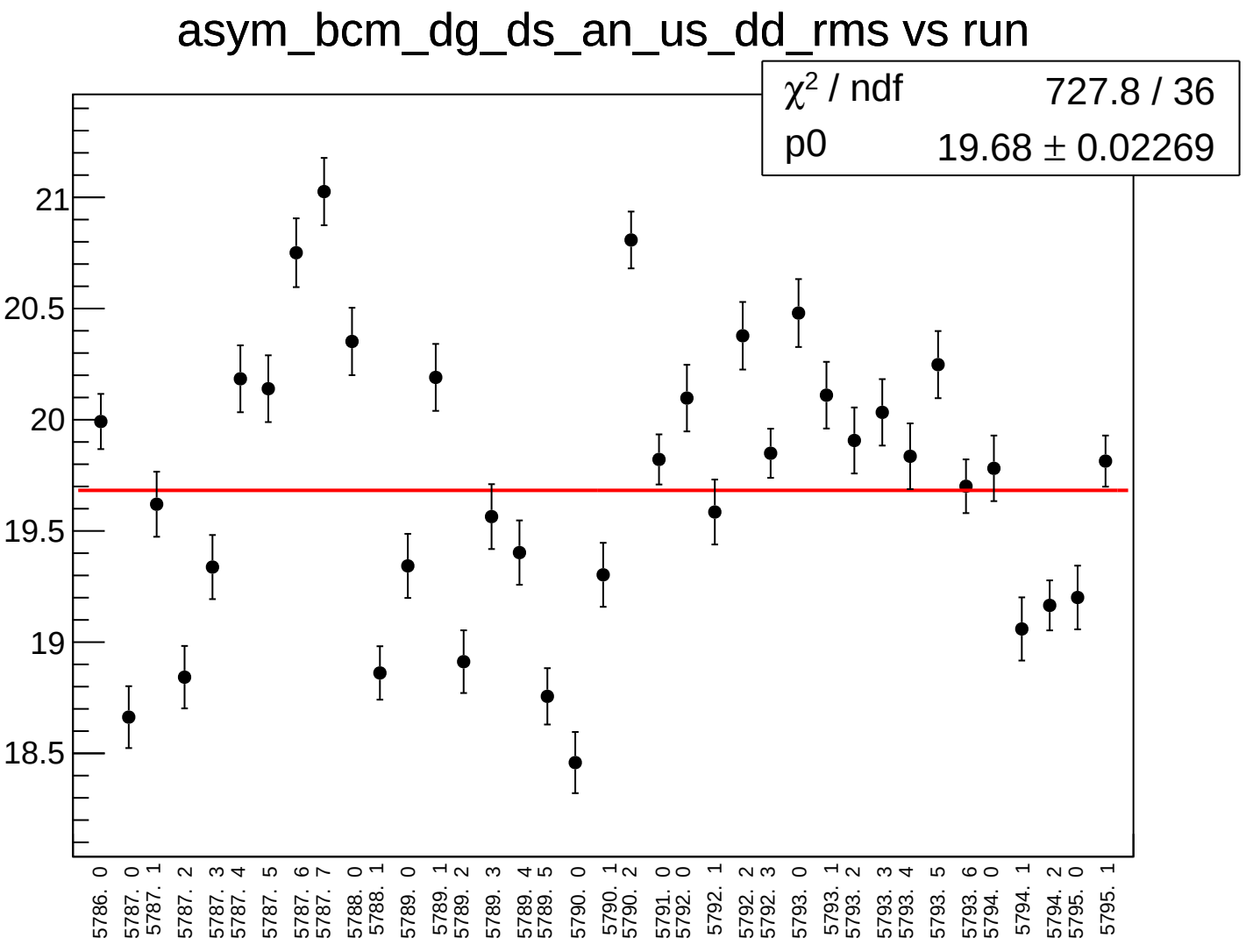
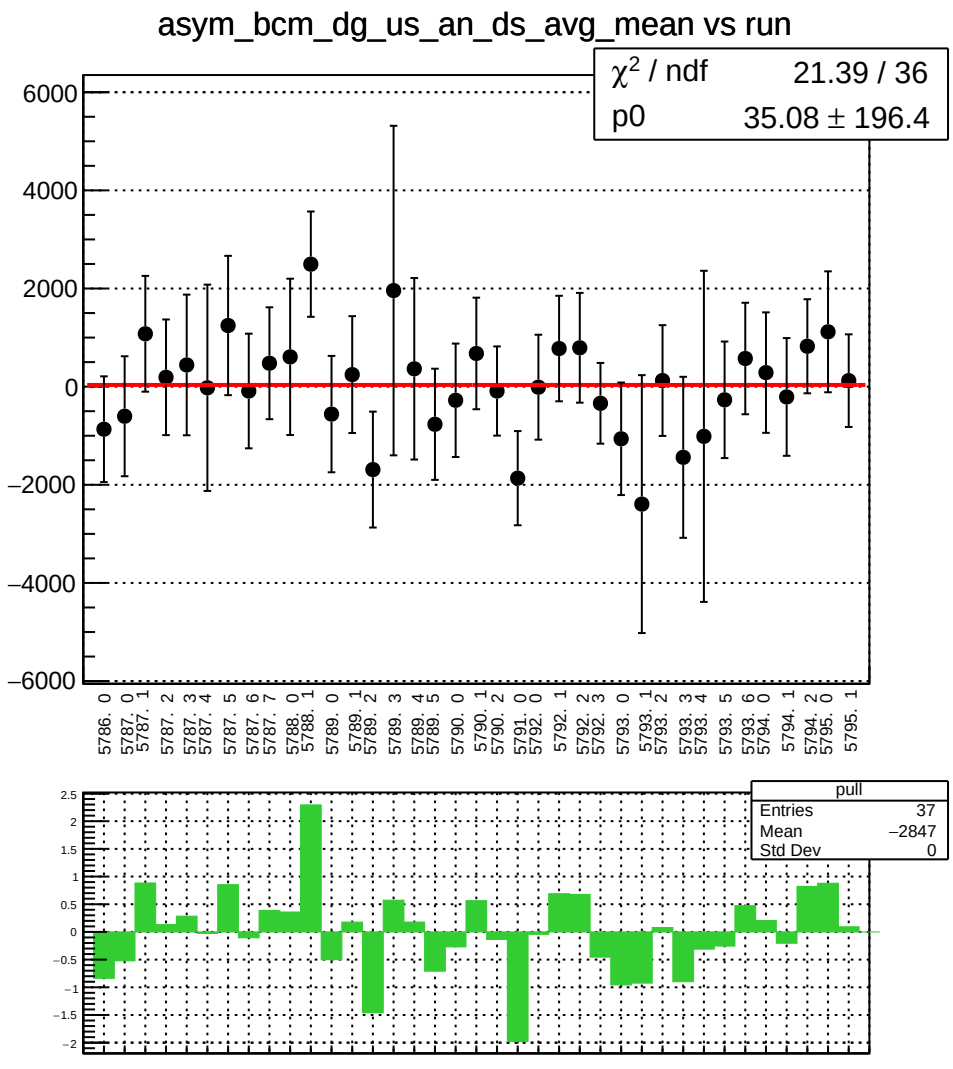
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

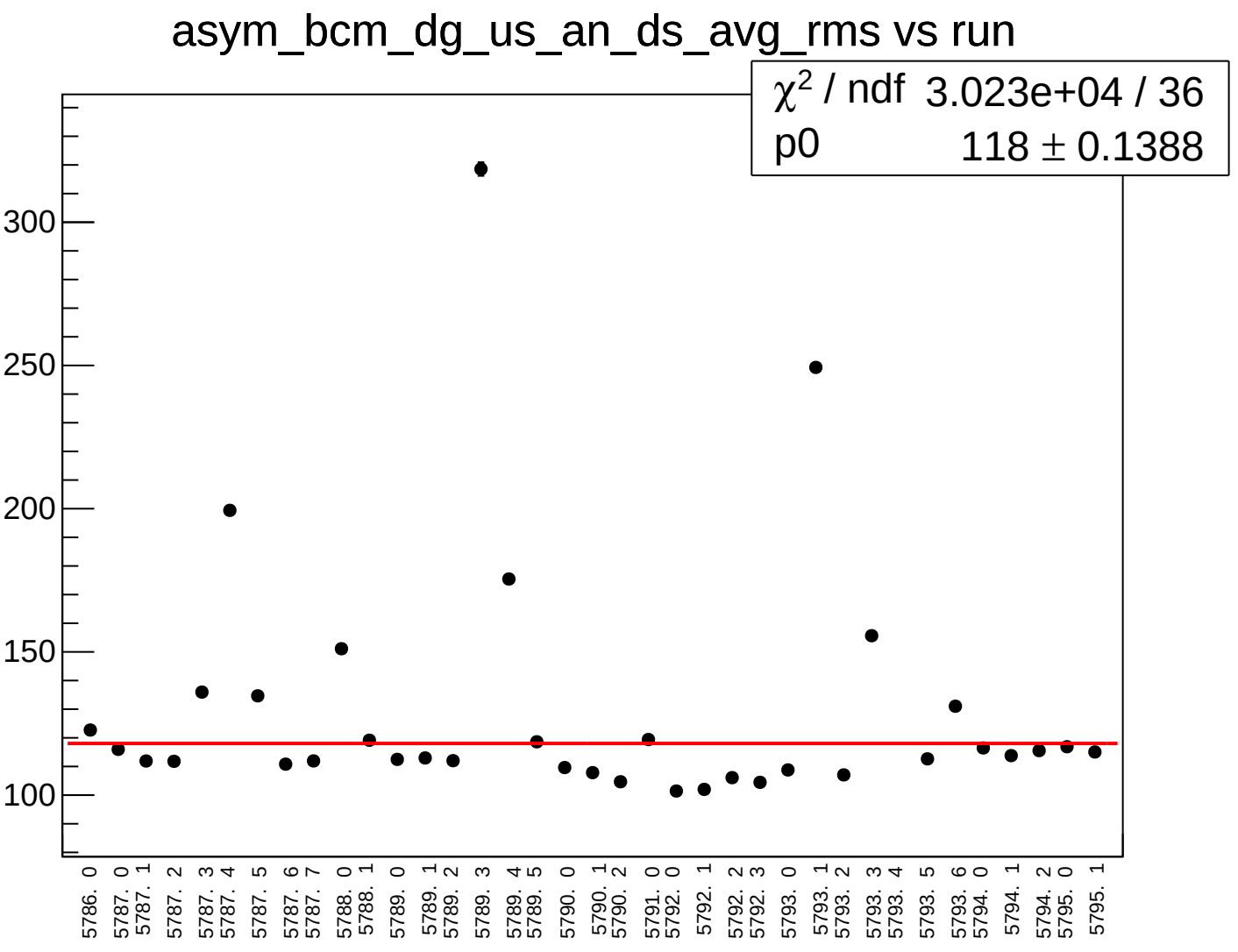

asym_bcm_dg_ds_an_us_avg_mean vs run
χ² / ndf 19.92 / 36
p0 11.07 ± 194.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 298
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.004491
Std Dev 0.7337
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

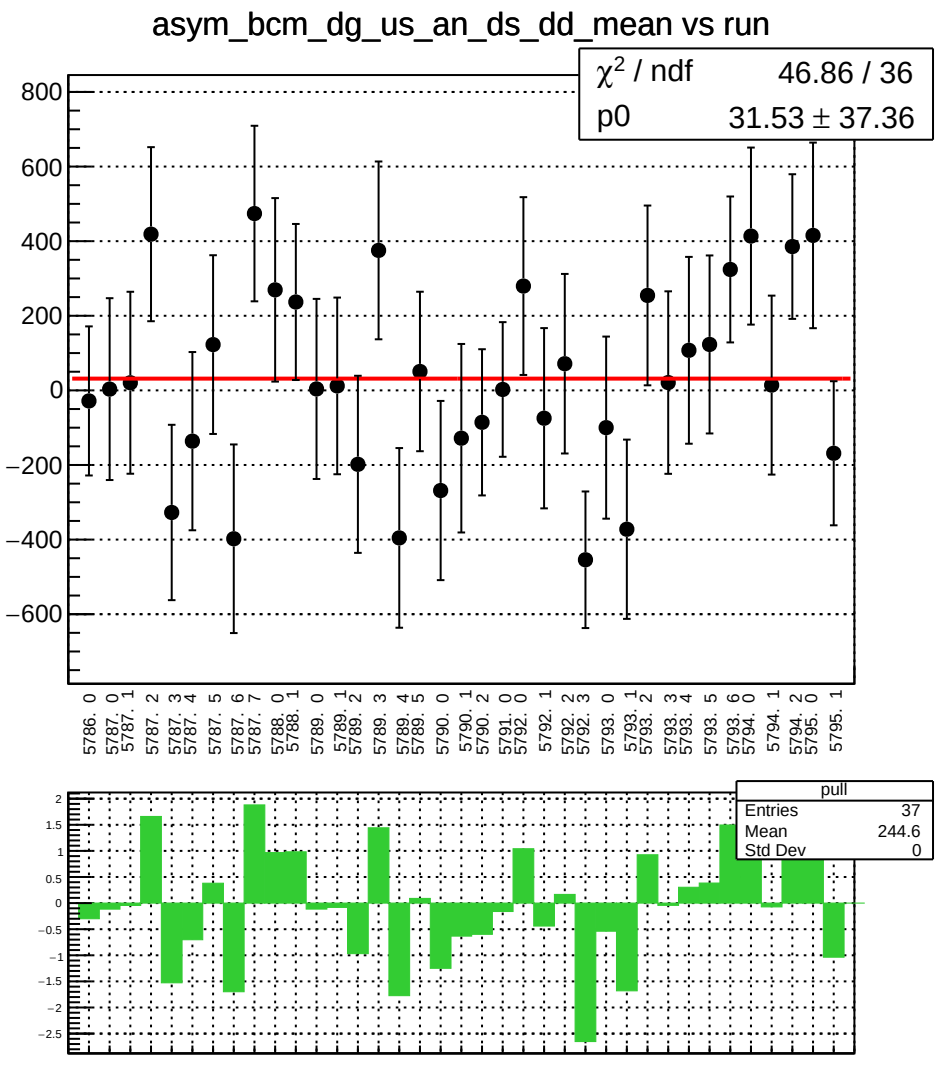

asym_bcm_dg_ds_an_us_avg_rms vs run
χ² / ndf 3.046e+04 / 36
p0 116.8 ± 0.1374
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

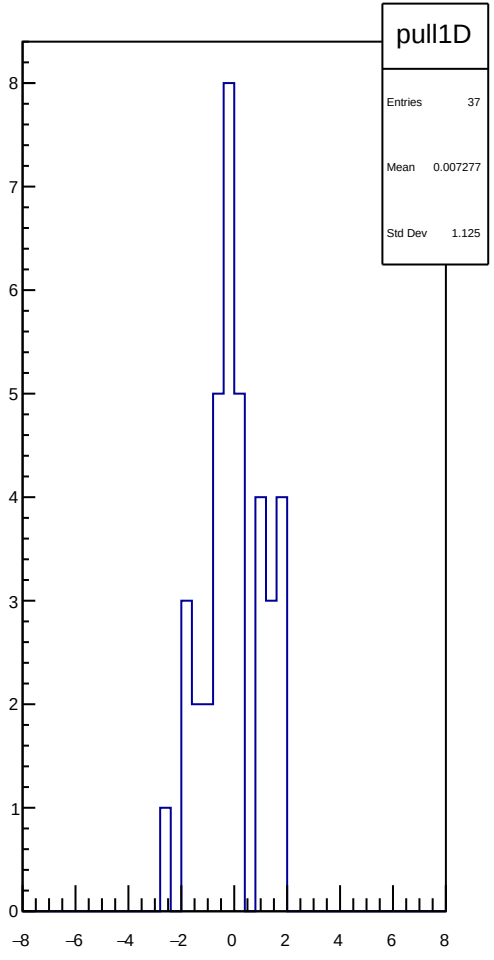

asym_bcm_dg_ds_an_us_dd_mean vs run
χ² / ndf 19.84 / 36
p0 −13.47 ± 32.09
400
200
0
−200
−400
−600
−800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 177.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01019
Std Dev 0.7322
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

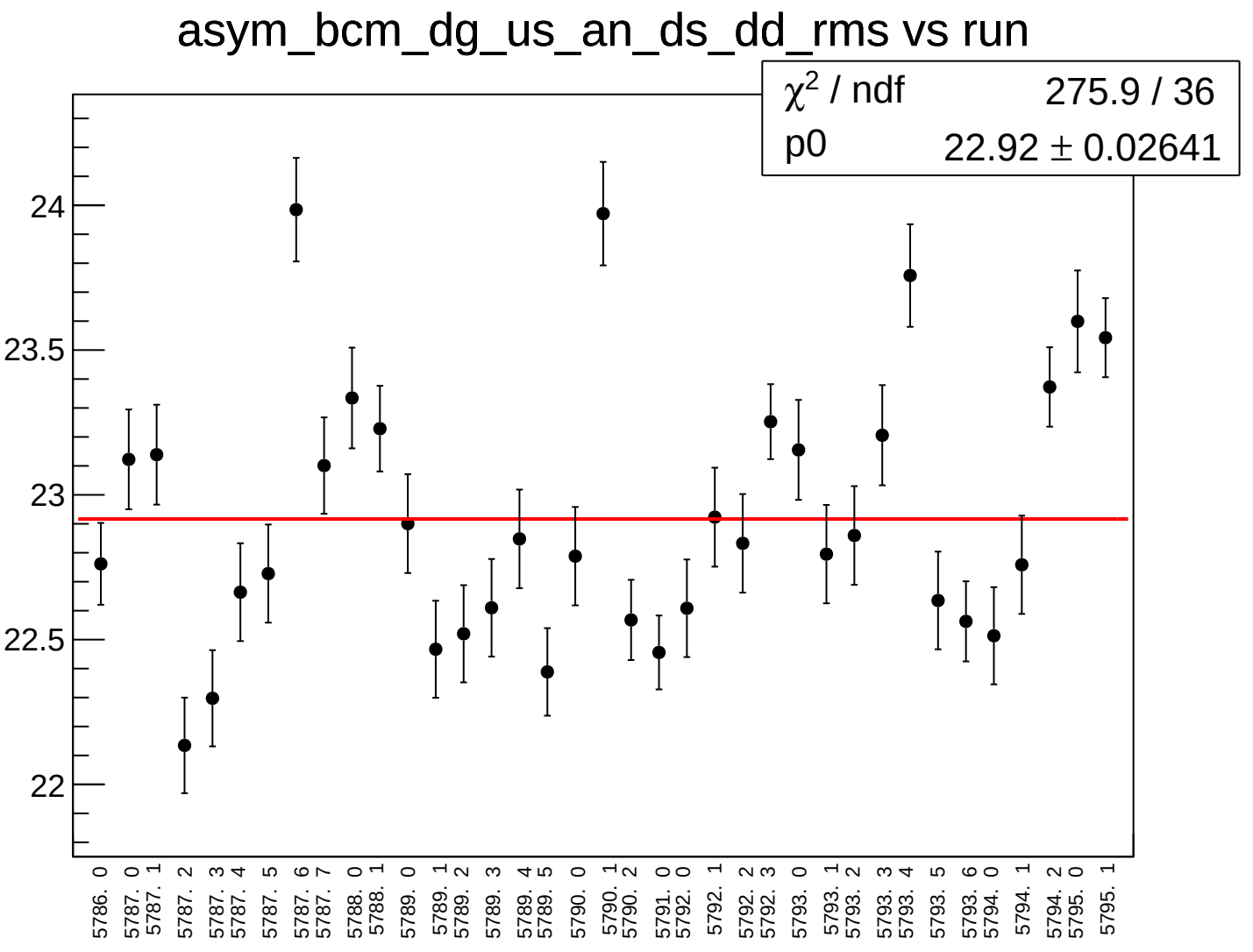

asym_bcm_dg_ds_an_us_dd_rms vs run
χ² / ndf 727.8 / 36
p0 19.68 ± 0.02269
21
20.5
20
19.5
19
18.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

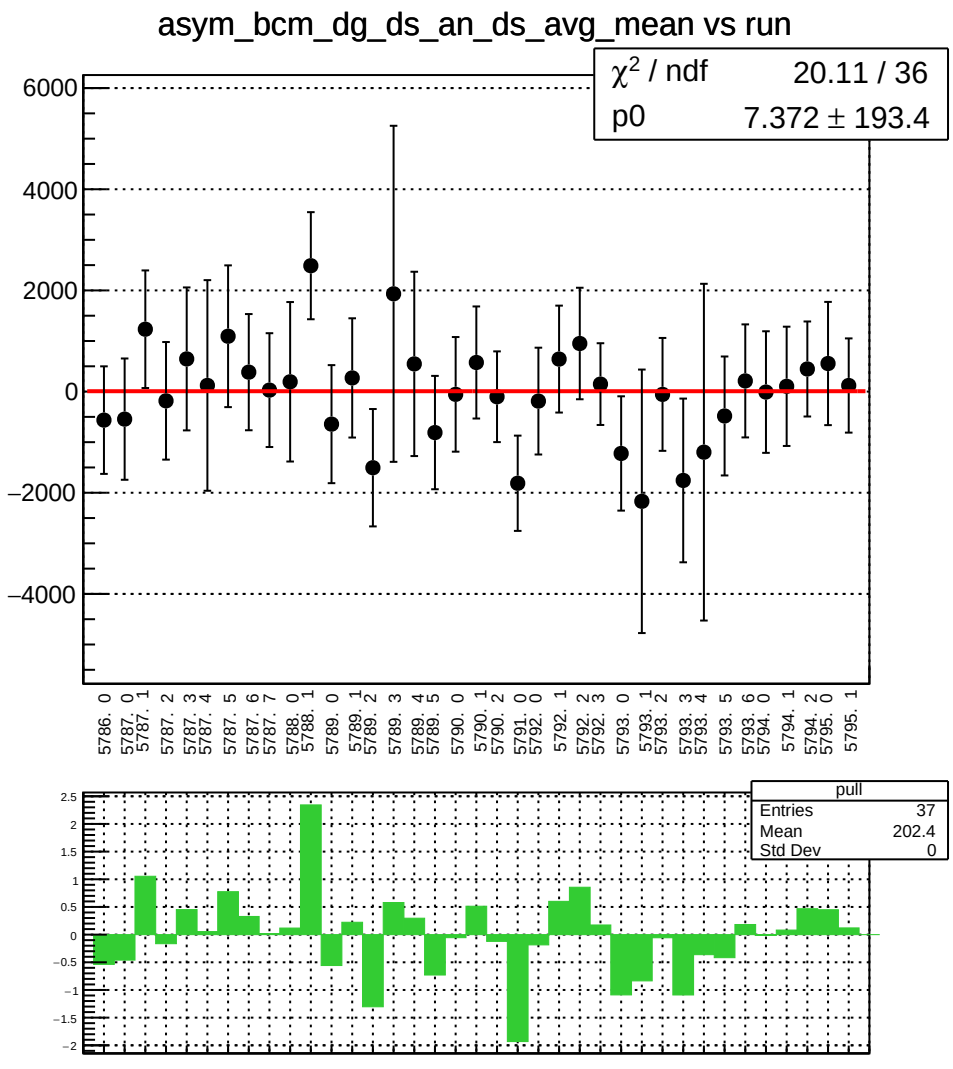

asym_bcm_dg_us_an_ds_avg_mean vs run
χ² / ndf 21.39 / 36
p0 35.08 ± 196.4
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2847
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0001476
Std Dev 0.7604
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

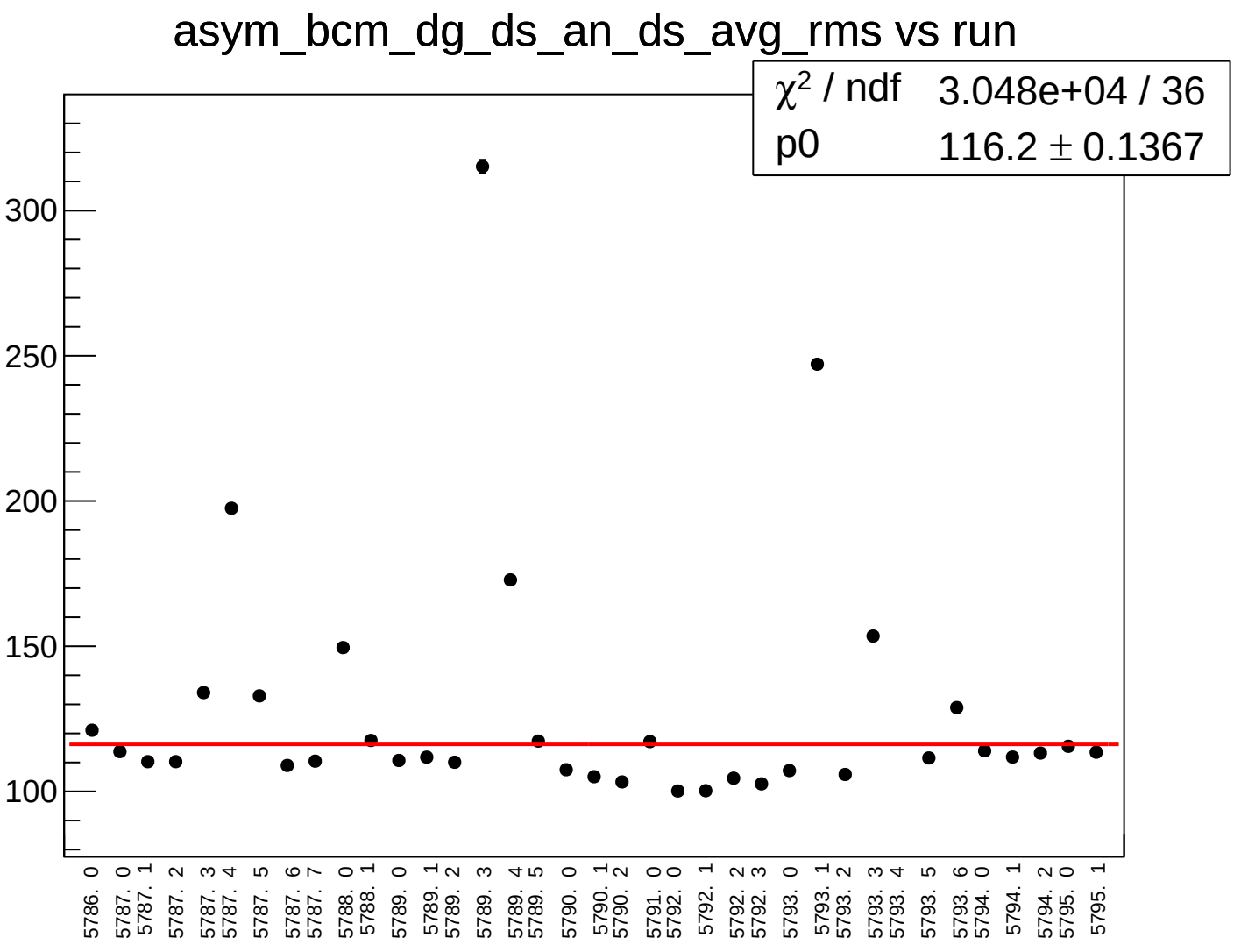

asym_bcm_dg_us_an_ds_avg_rms vs run
χ² / ndf 3.023e+04 / 36
p0 118 ± 0.1388
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

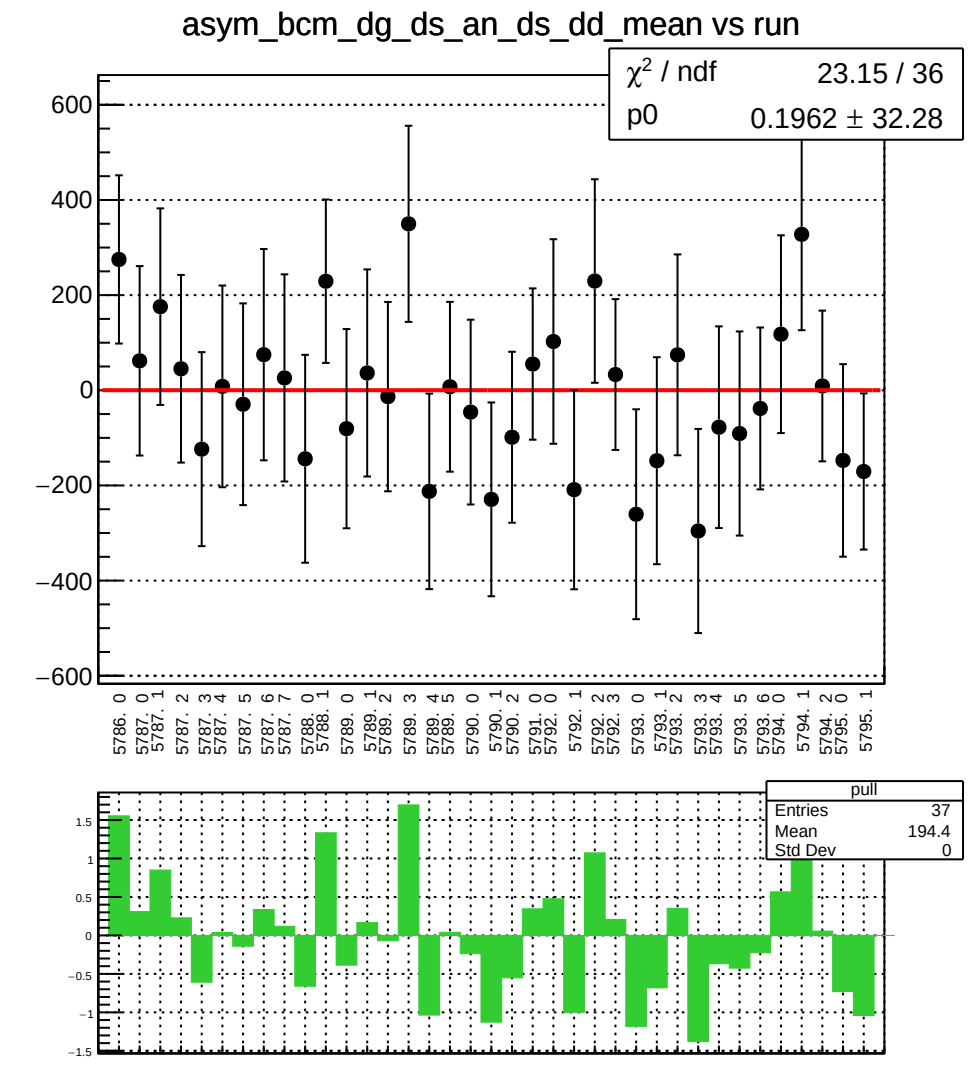

asym_bcm_dg_us_an_ds_dd_mean vs run
χ² / ndf 46.86 / 36
p0 31.53 ± 37.36
pull
Entries 37
Mean 244.6
Std Dev 0

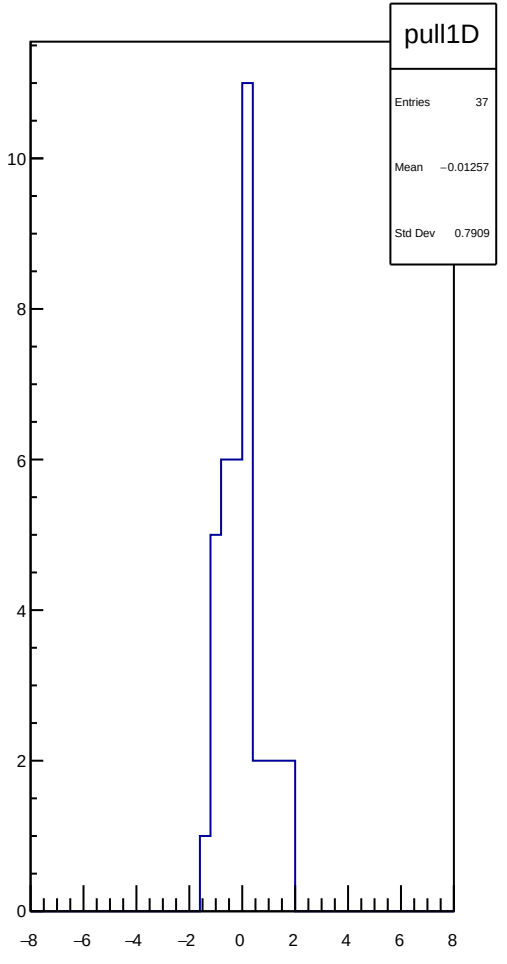

pull1D
Entries 37
Mean 0.007277
Std Dev 1.125

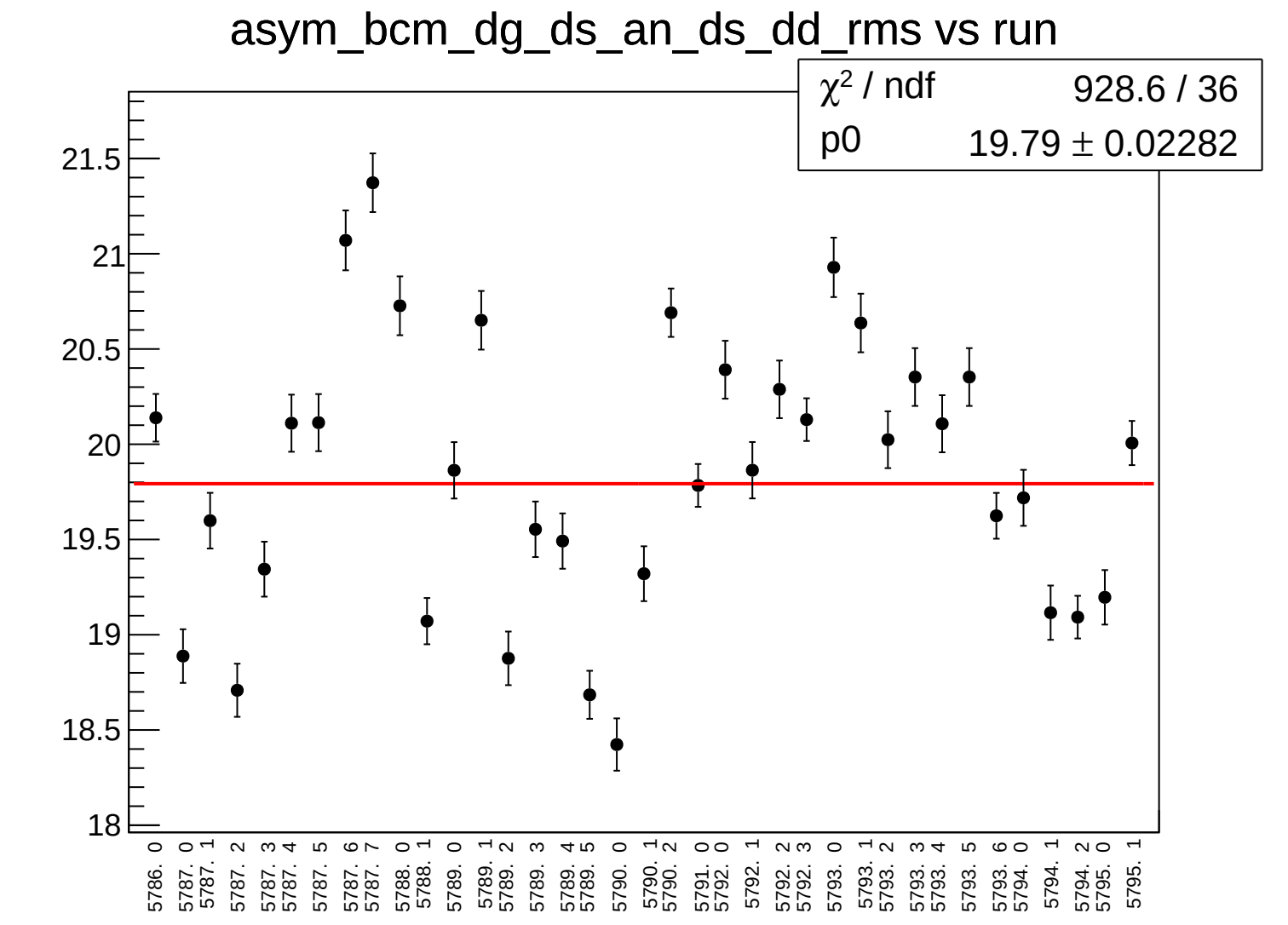

asym_bcm_dg_us_an_ds_dd_rms vs run
χ² / ndf 275.9 / 36
p0 22.92 ± 0.02641
24
23.5
23
22.5
22
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

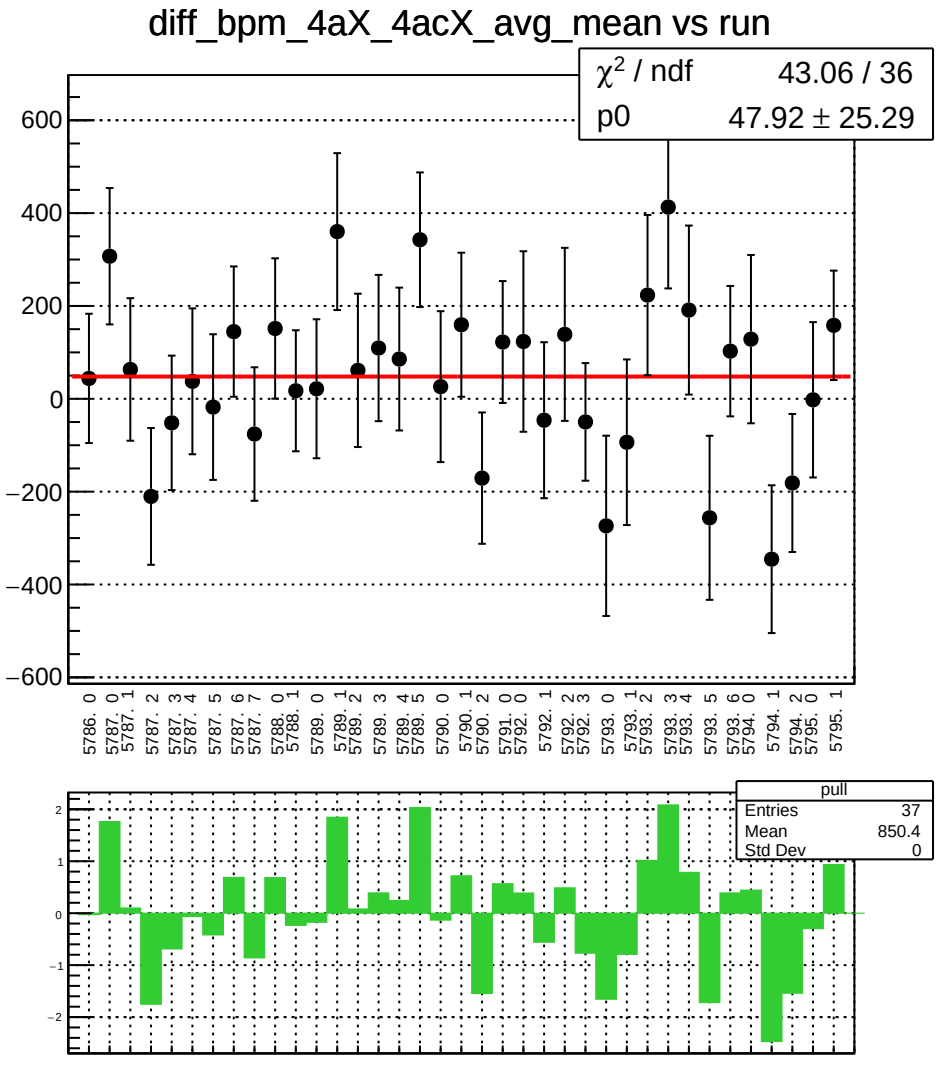

asym_bcm_dg_ds_an_ds_avg_mean vs run
χ² / ndf 20.11 / 36
p0 7.372 ± 193.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 202.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.005919
Std Dev 0.7371
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

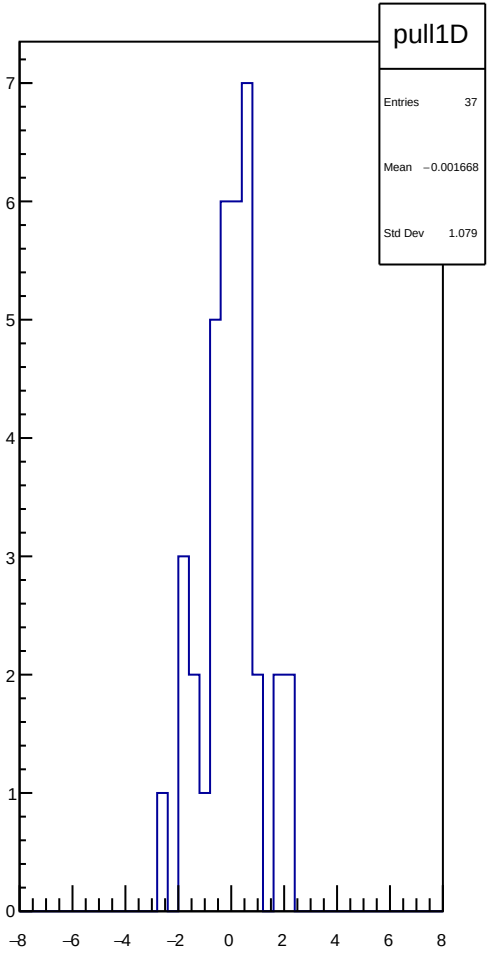

asym_bcm_dg_ds_an_ds_avg_rms vs run
χ² / ndf 3.048e+04 / 36
p0 116.2 ± 0.1367
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

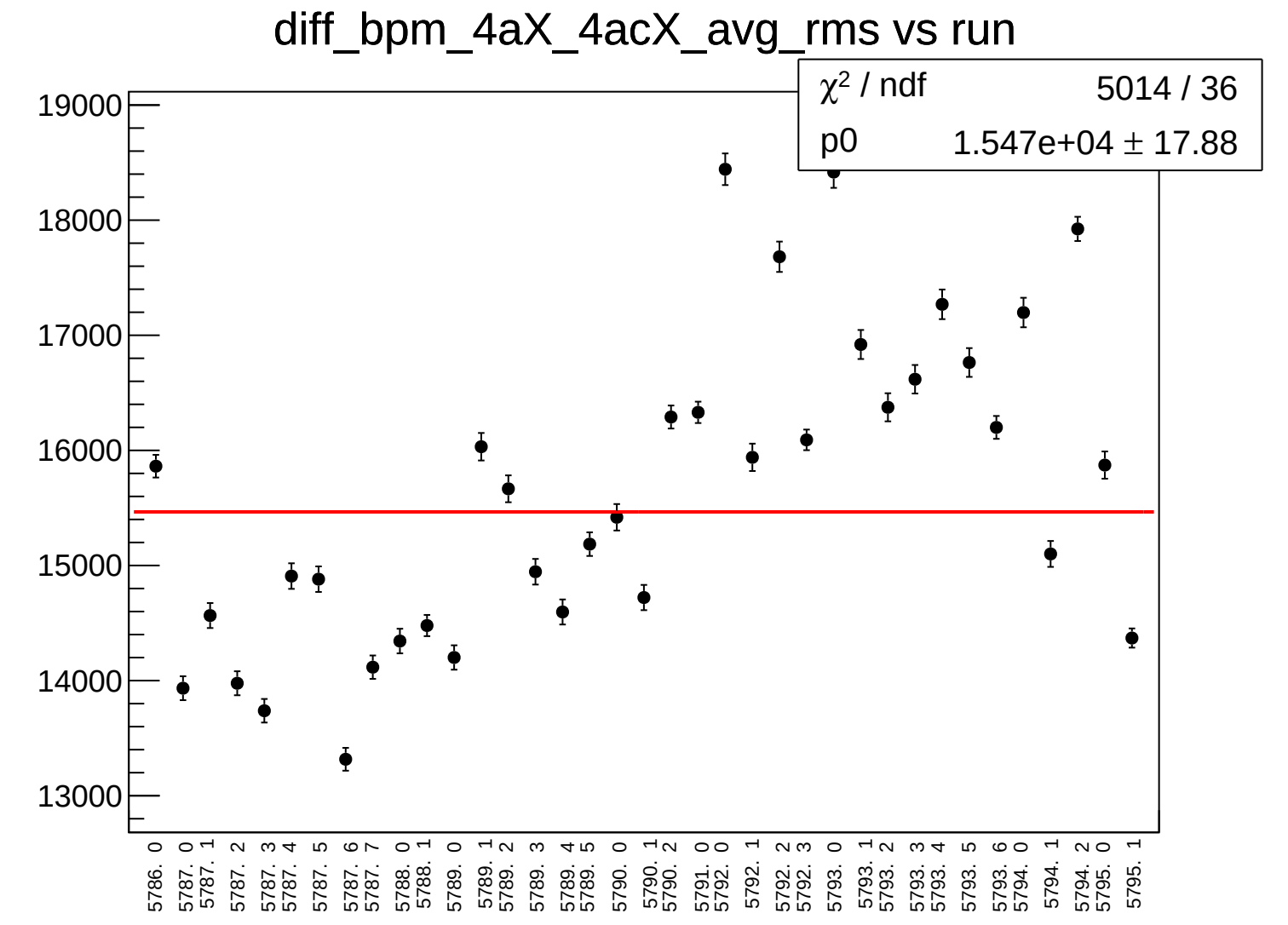

asym_bcm_dg_ds_an_ds_dd_mean vs run
χ² / ndf 23.15 / 36
p0 0.1962 ± 32.28
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 194.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

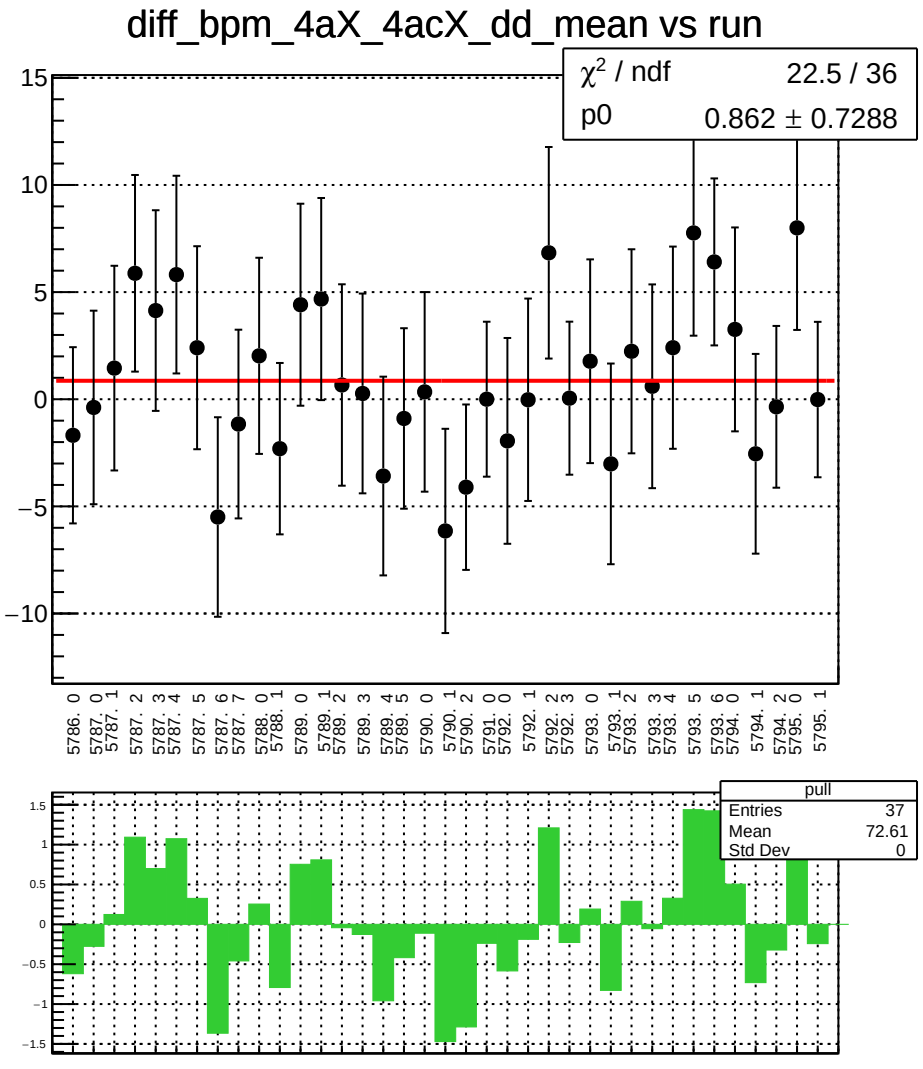

pull1D
Entries 37
Mean −0.01257
Std Dev 0.7909
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

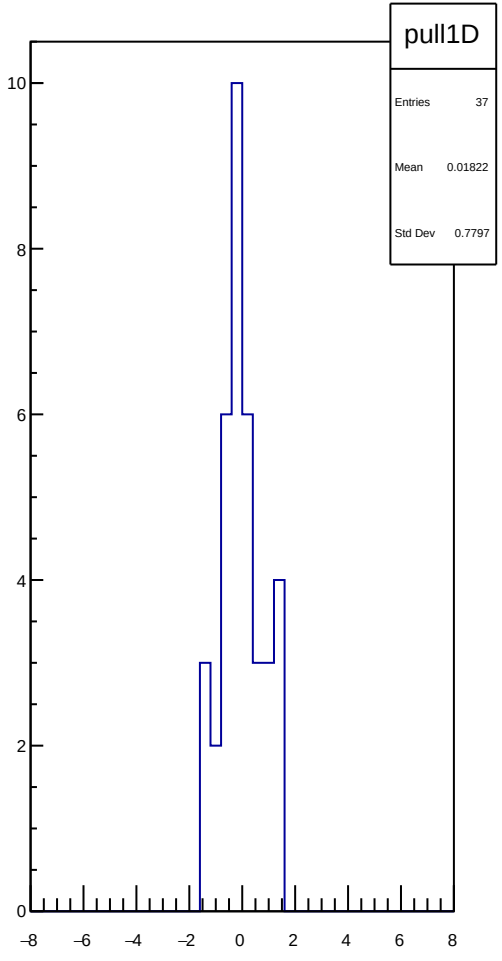

asym_bcm_dg_ds_an_ds_dd_rms vs run
χ² / ndf 928.6 / 36
p0 19.79 ± 0.02282
21.5
21
20.5
20
19.5
19
18.5
18
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

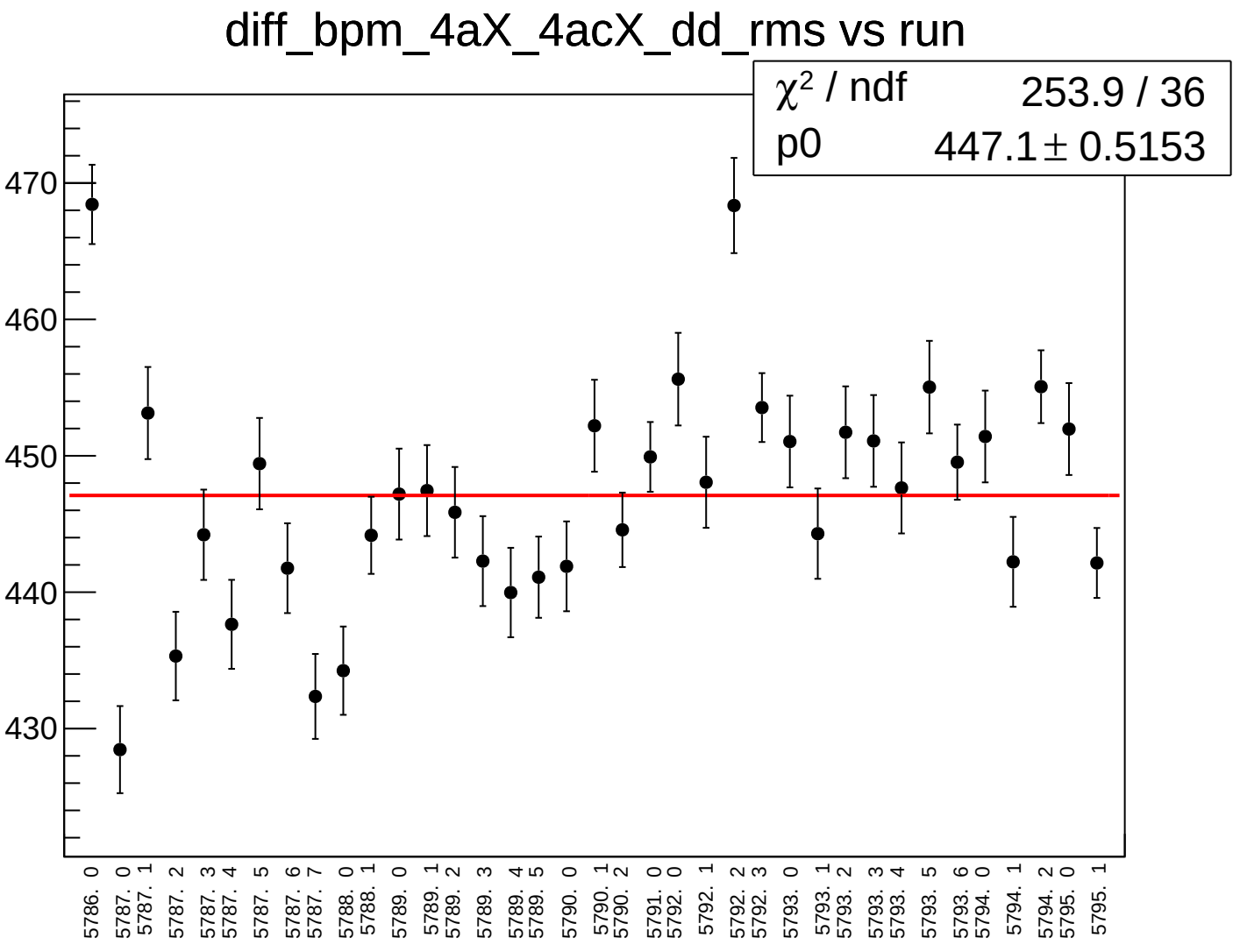

diff_bpm_4aX_4acX_avg_mean vs run
χ² / ndf 43.06 / 36
p0 47.92 ± 25.29
pull
Entries 37
Mean 850.4
Std Dev 0


pull1D
Entries 37
Mean −0.001668
Std Dev 1.079


diff_bpm_4aX_4acX_avg_rms vs run
χ² / ndf 5014 / 36
p0 1.547e+04 ± 17.88
19000
18000
17000
16000
15000
14000
13000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


diff_bpm_4aX_4acX_dd_mean vs run
χ² / ndf 22.5 / 36
p0 0.862 ± 0.7288
pull
Entries 37
Mean 72.61
Std Dev 0


pull1D
Entries 37
Mean 0.01822
Std Dev 0.7797


diff_bpm_4aX_4acX_dd_rms vs run
χ² / ndf 253.9 / 36
p0 447.1 ± 0.5153
470
460
450
440
430
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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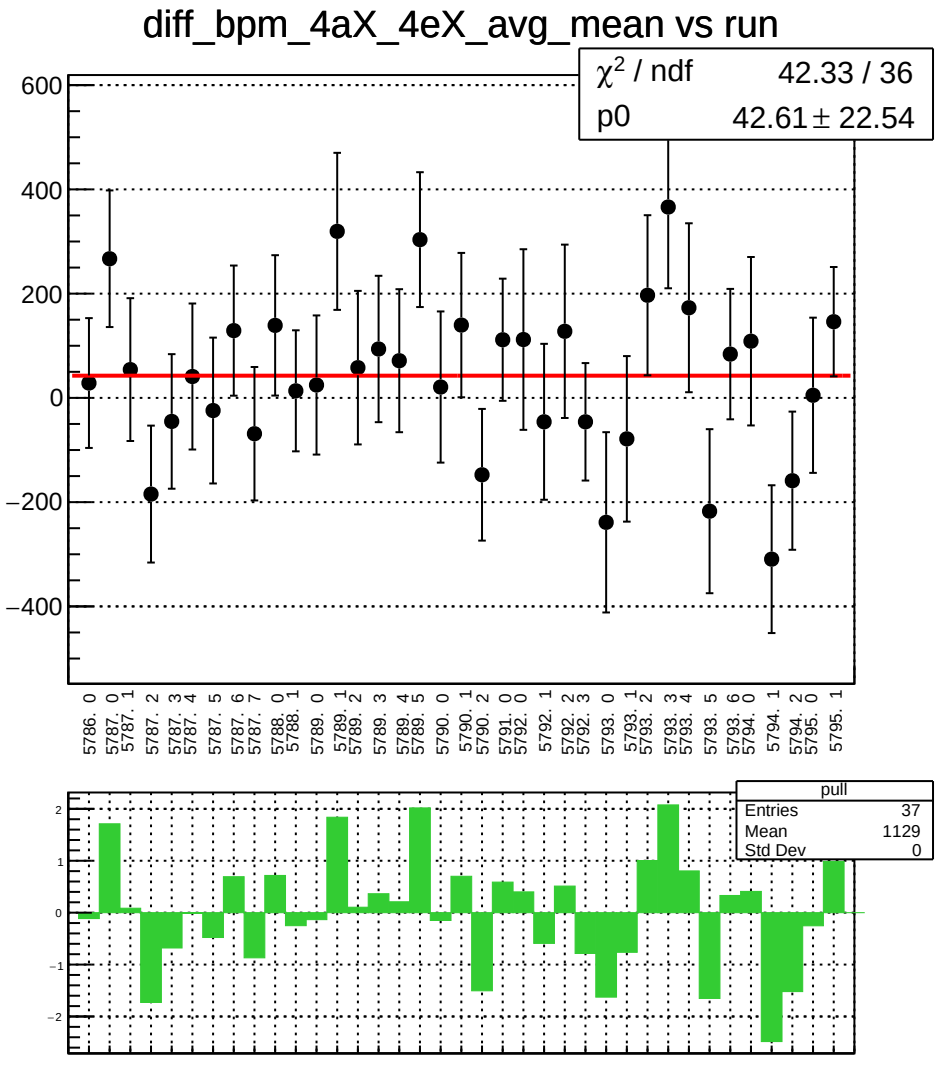
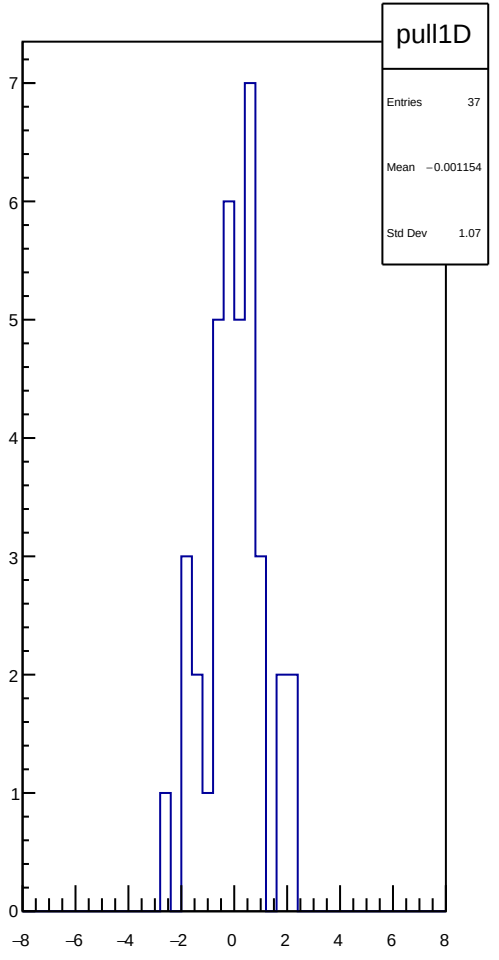
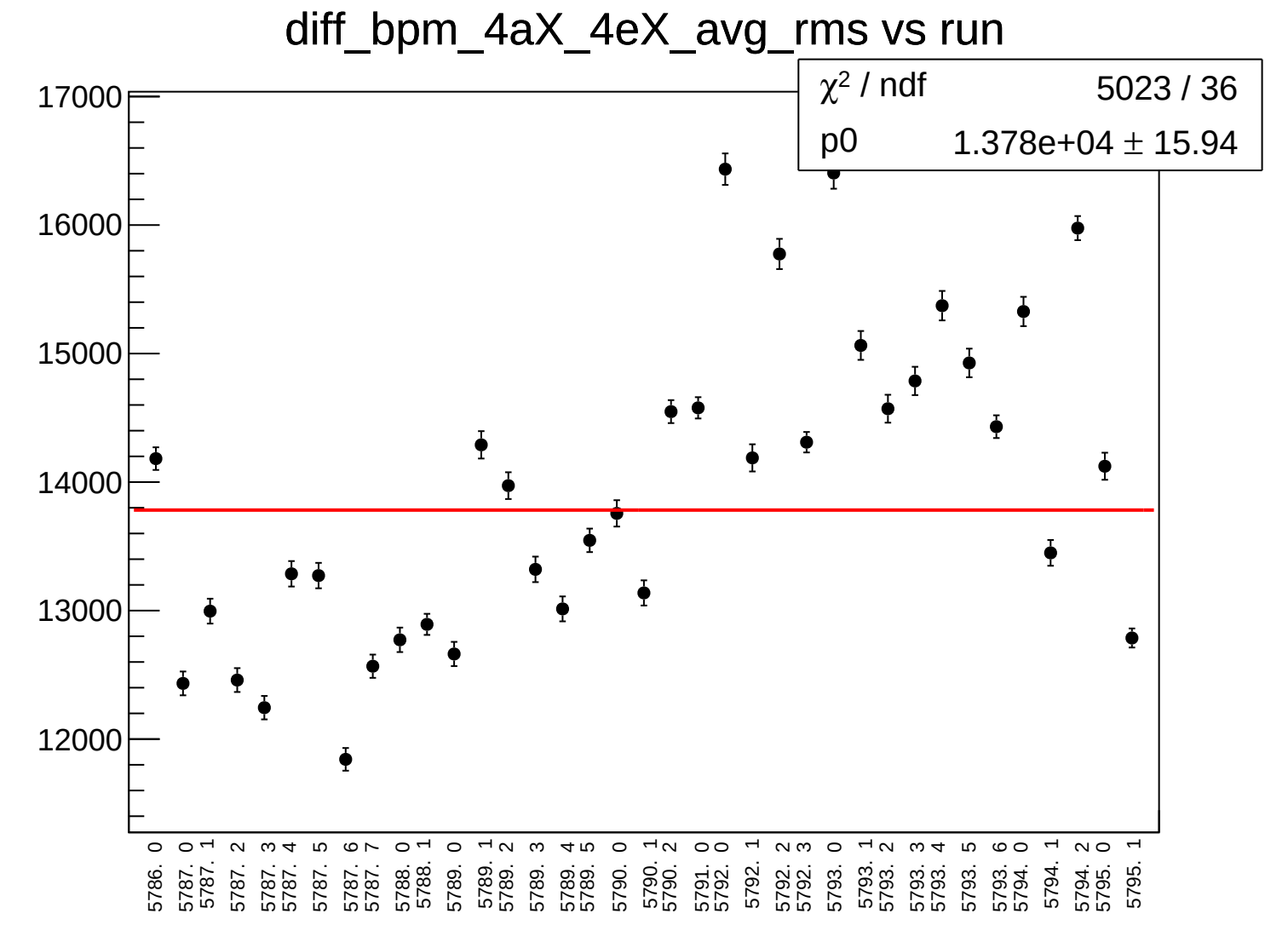
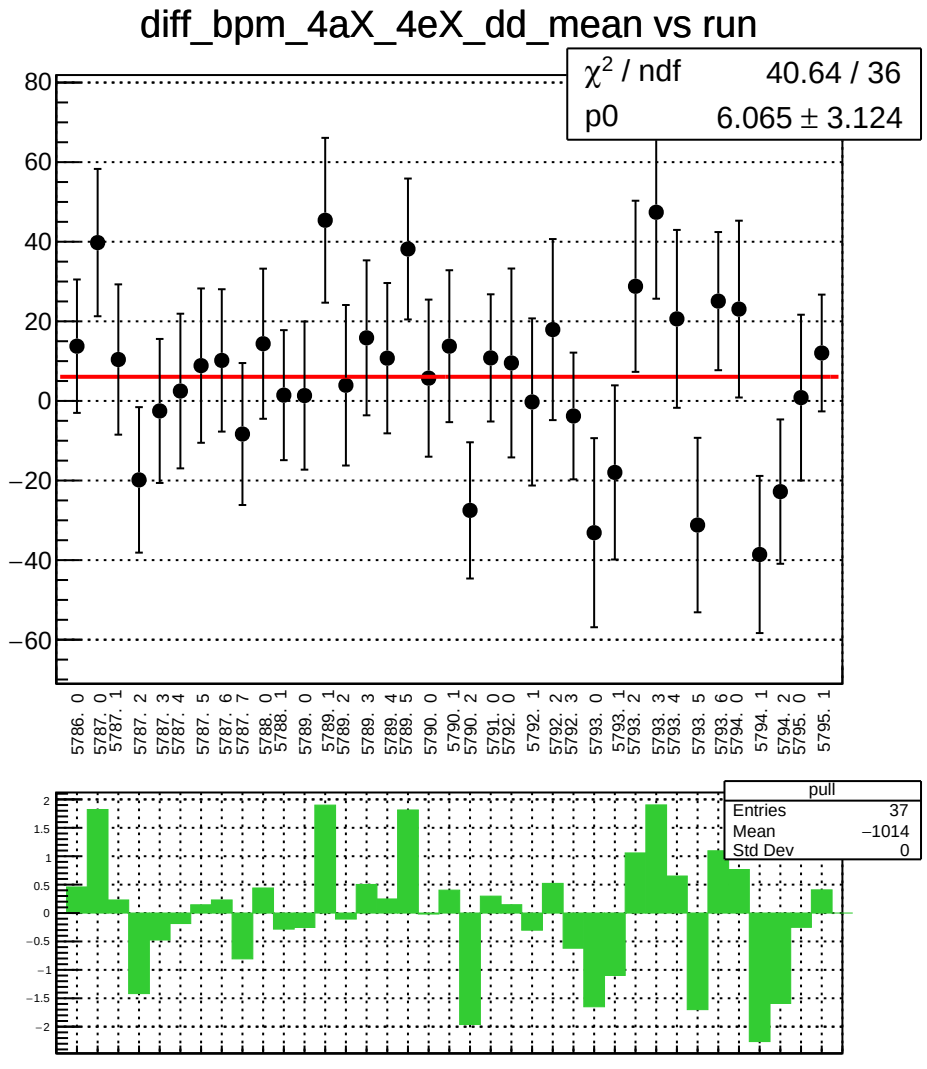
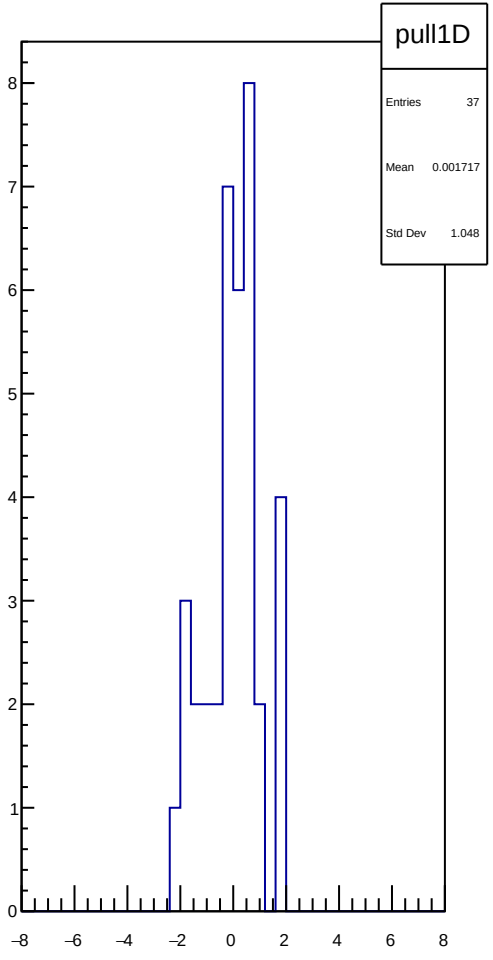
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

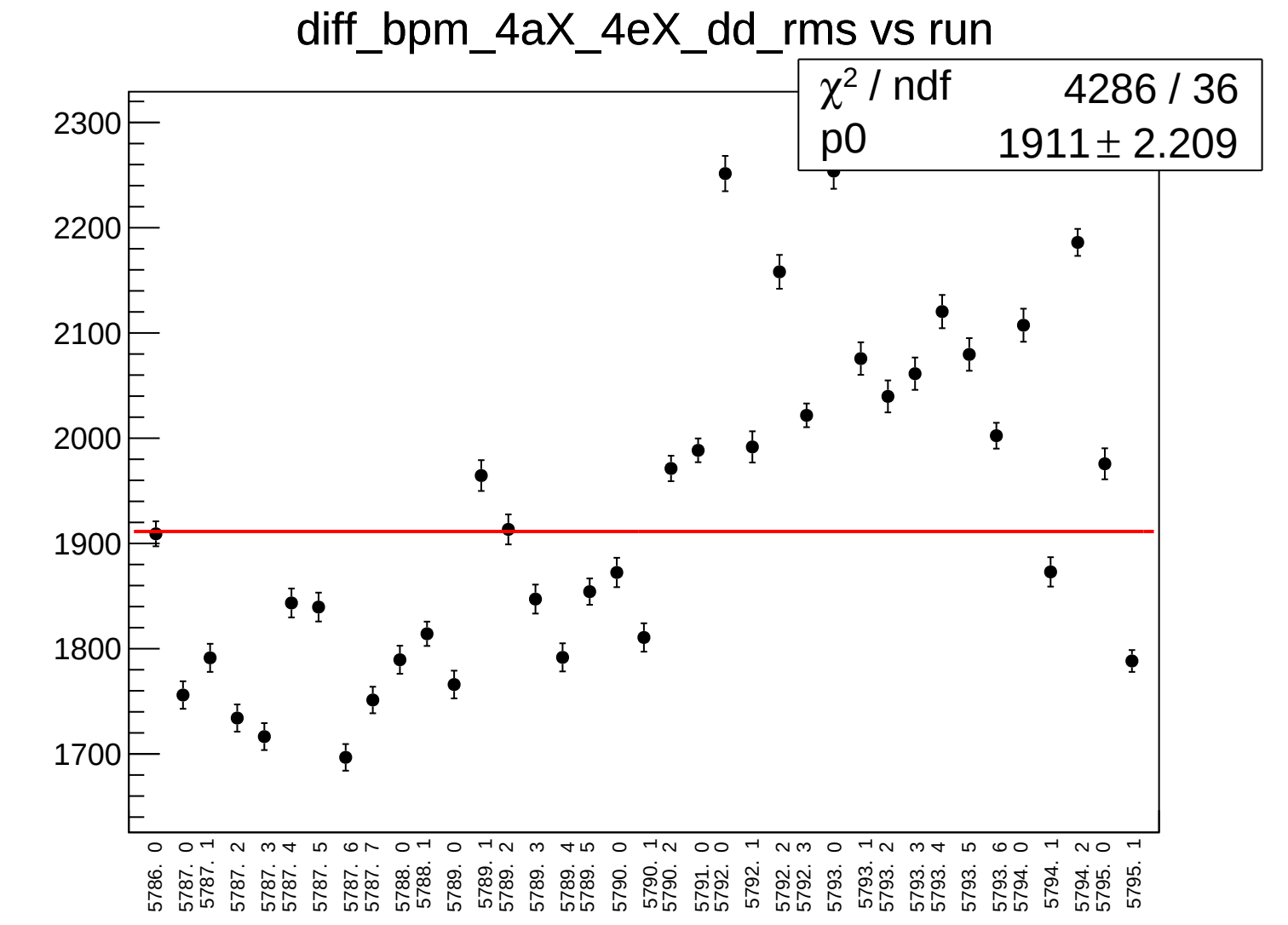

diff_bpm_4aX_4eX_avg_mean vs run
χ² / ndf 42.33 / 36
p0 42.61 ± 22.54
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1129
Std Dev 0
2
1
0
−1
−2

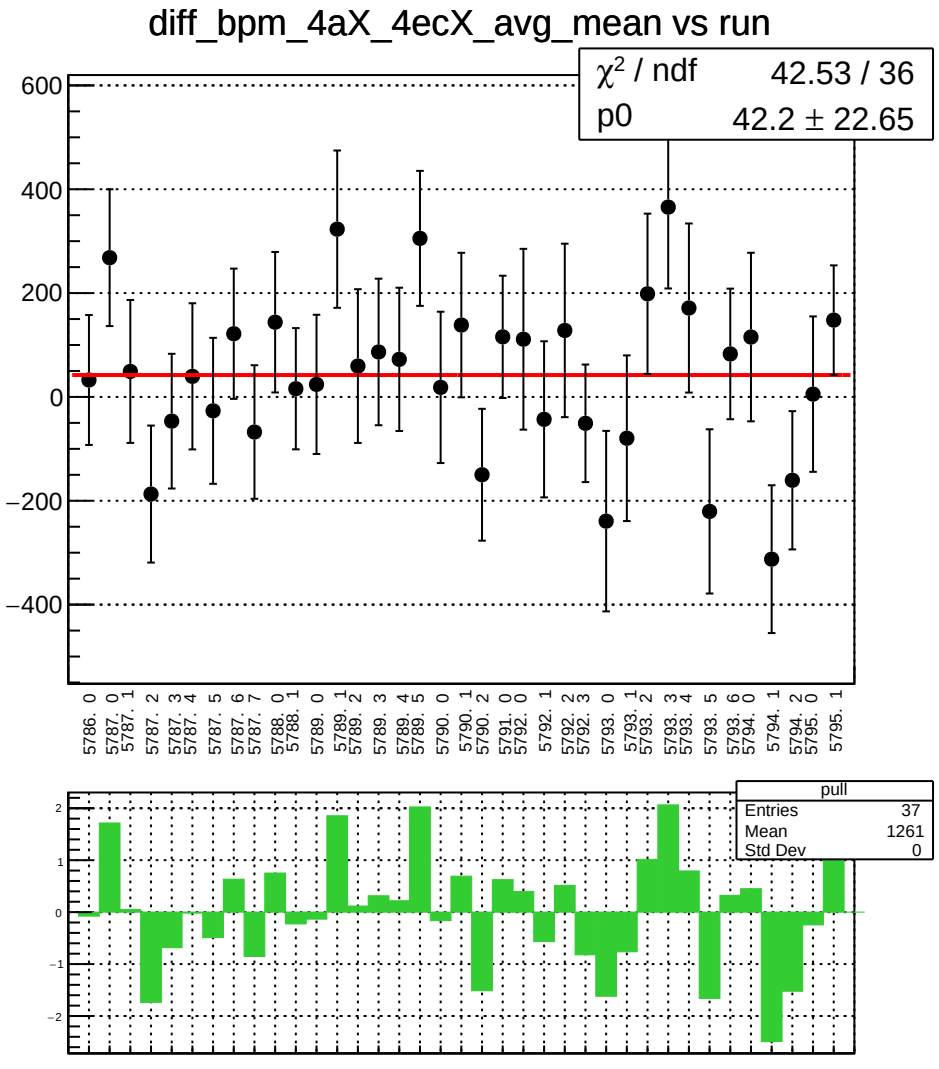

pull1D
Entries 37
Mean −0.001154
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

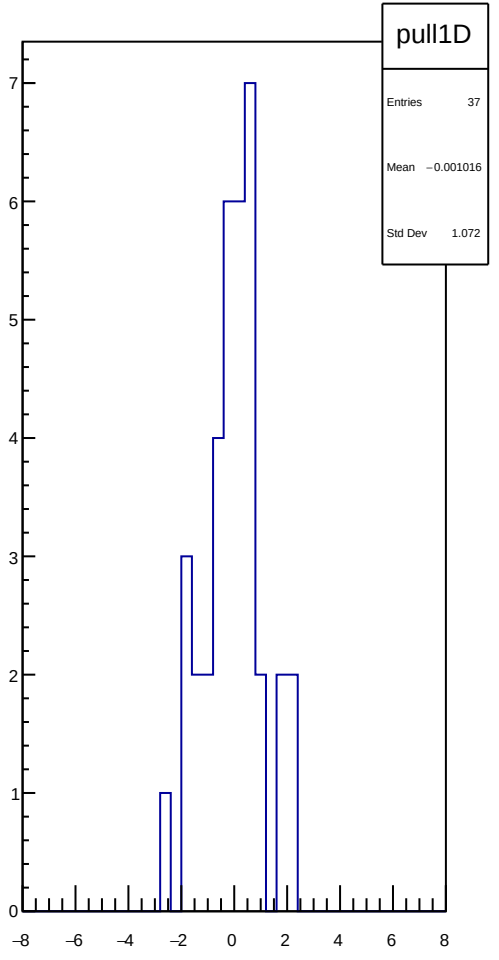

diff_bpm_4aX_4eX_avg_rms vs run
χ² / ndf 5023 / 36
p0 1.378e+04 ± 15.94
17000
16000
15000
14000
13000
12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

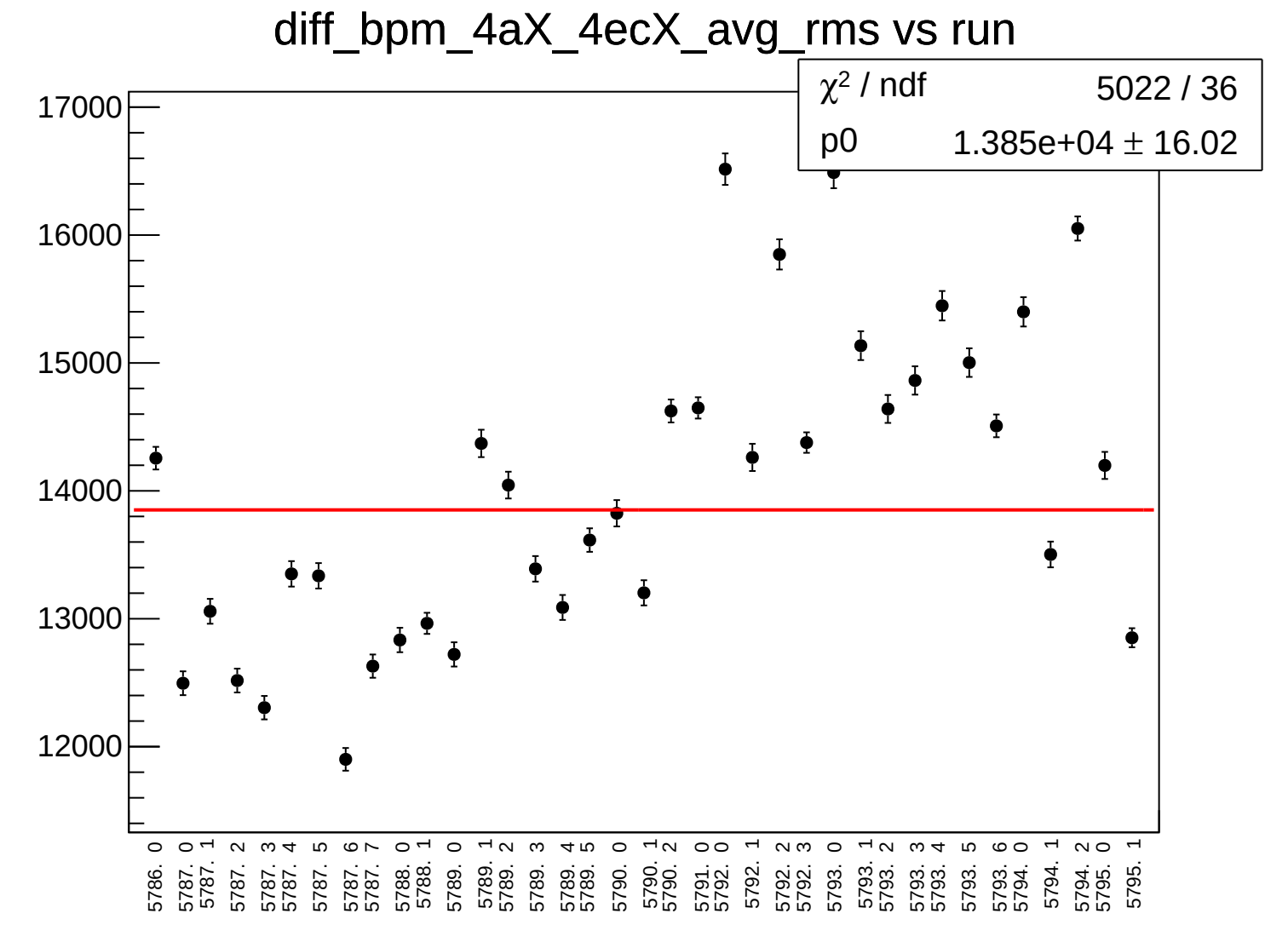

diff_bpm_4aX_4eX_dd_mean vs run
χ² / ndf 40.64 / 36
p0 6.065 ± 3.124
pull
Entries 37
Mean −1014
Std Dev 0

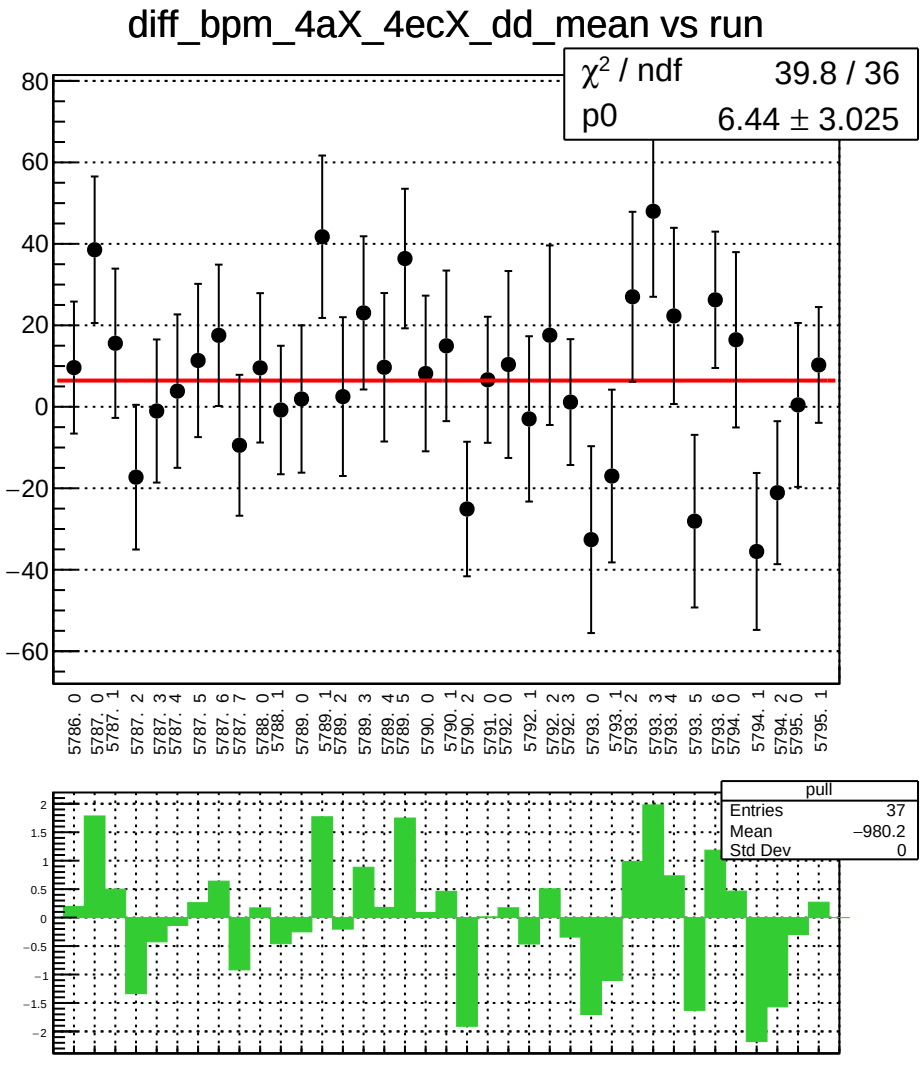

pull1D
Entries 37
Mean 0.001717
Std Dev 1.048

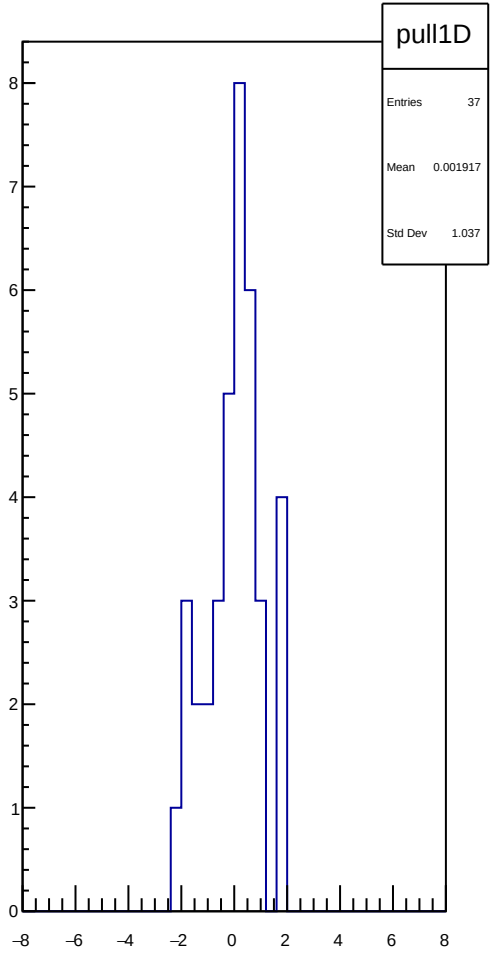

diff_bpm_4aX_4eX_dd_rms vs run
χ² / ndf 4286 / 36
p0 1911 ± 2.209
2300
2200
2100
2000
1900
1800
1700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

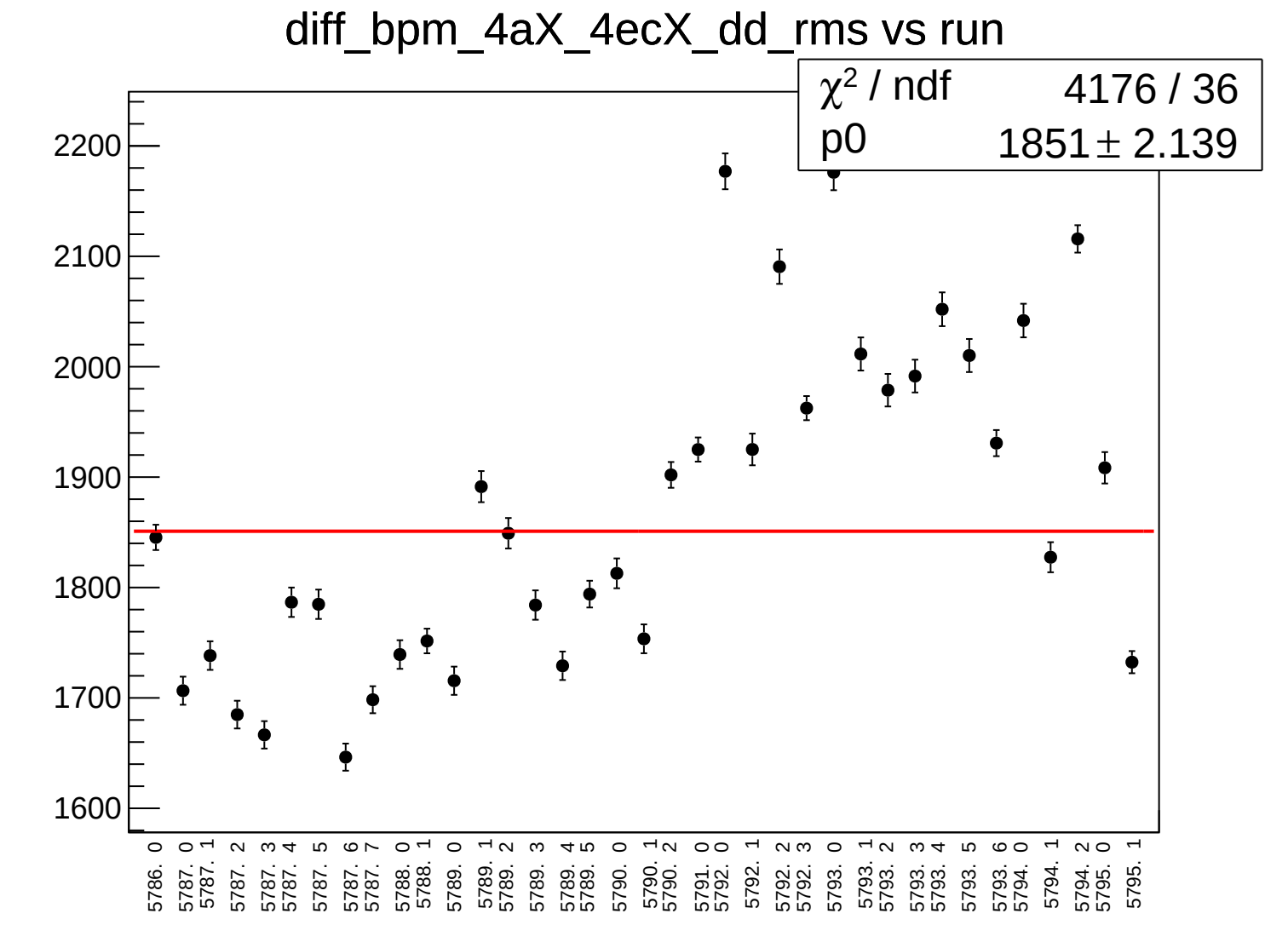

diff_bpm_4aX_4ecX_avg_mean vs run
χ² / ndf 42.53 / 36
p0 42.2 ± 22.65
600
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1261
Std Dev 0
2
1
0
−1
−2

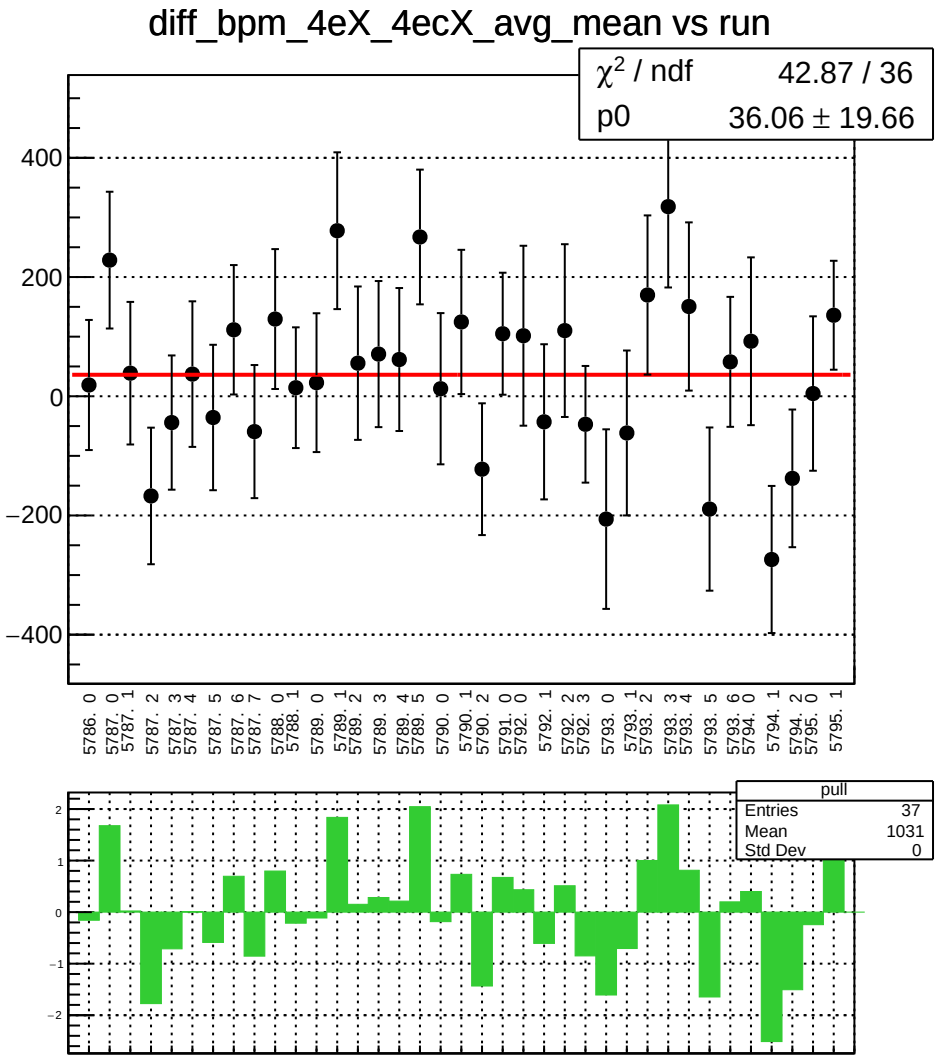

pull1D
Entries 37
Mean −0.001016
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

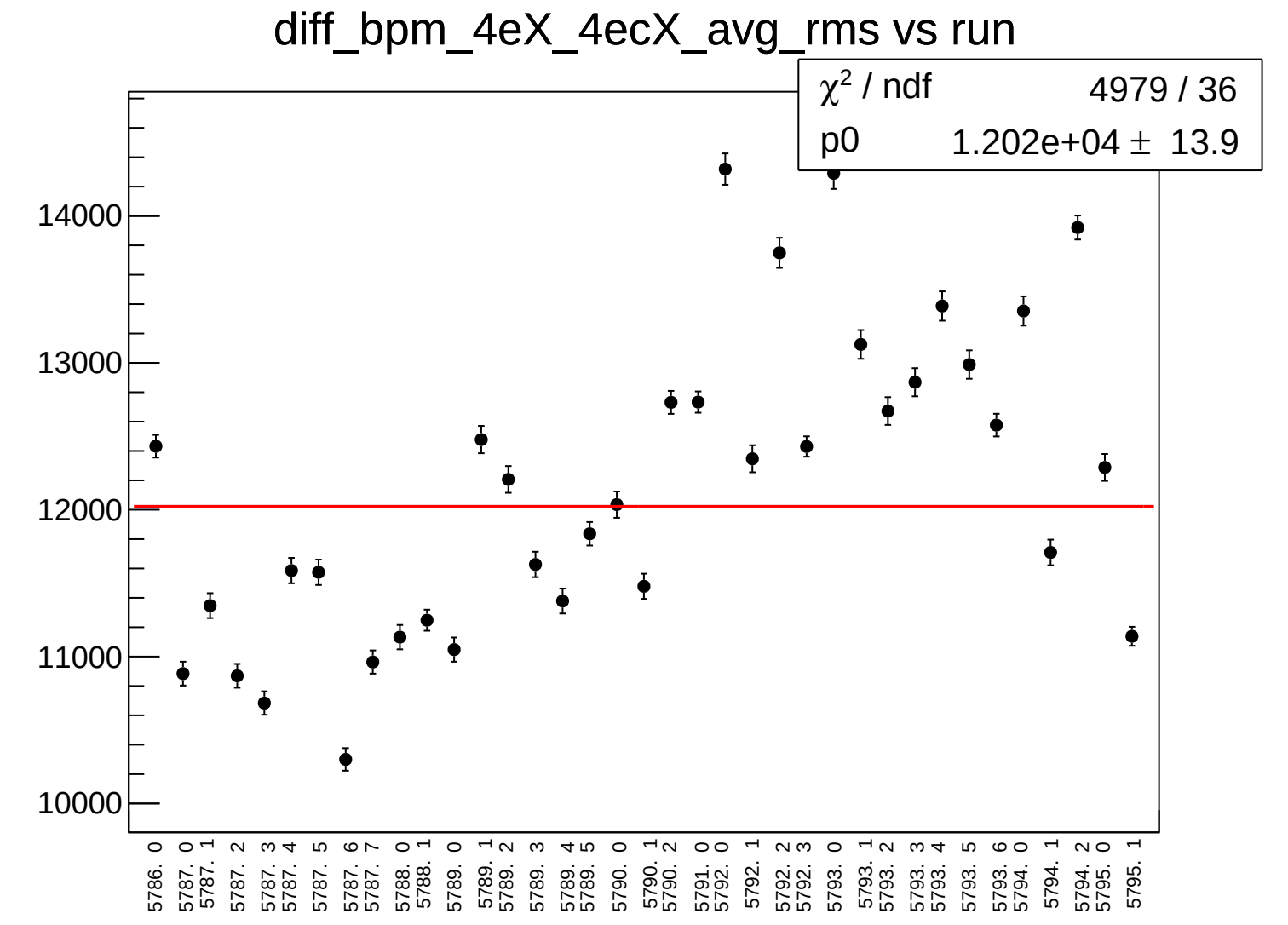

diff_bpm_4aX_4ecX_avg_rms vs run
χ² / ndf 5022 / 36
p0 1.385e+04 ± 16.02
17000
16000
15000
14000
13000
12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

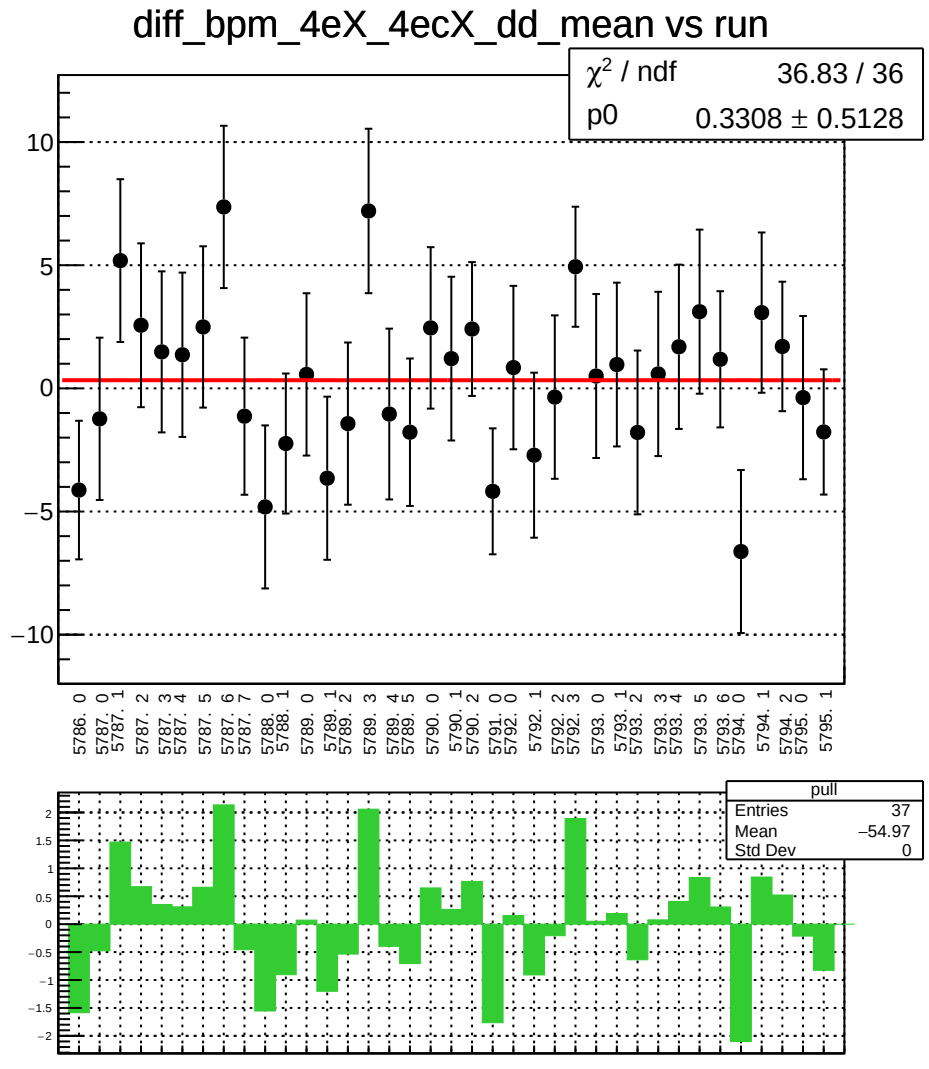

diff_bpm_4aX_4ecX_dd_mean vs run
χ² / ndf 39.8 / 36
p0 6.44 ± 3.025
pull
Entries 37
Mean −980.2
Std Dev 0

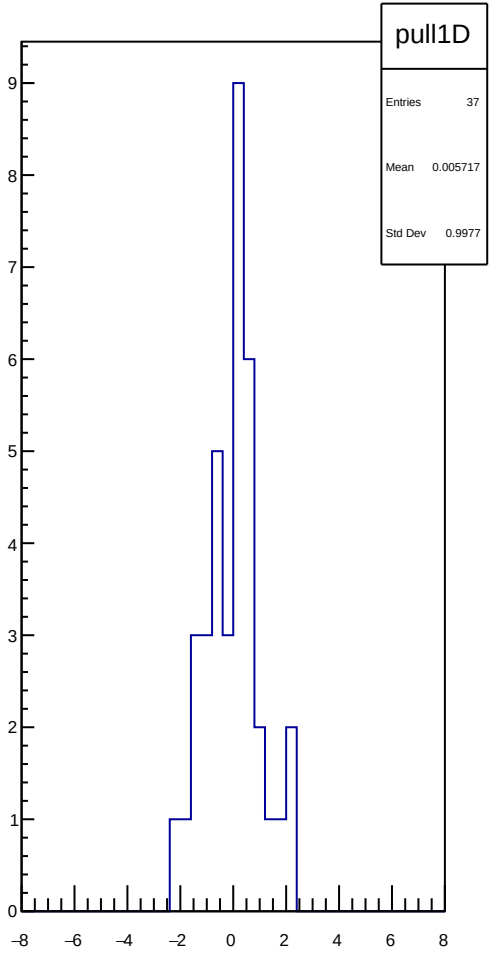

pull1D
Entries 37
Mean 0.001917
Std Dev 1.037

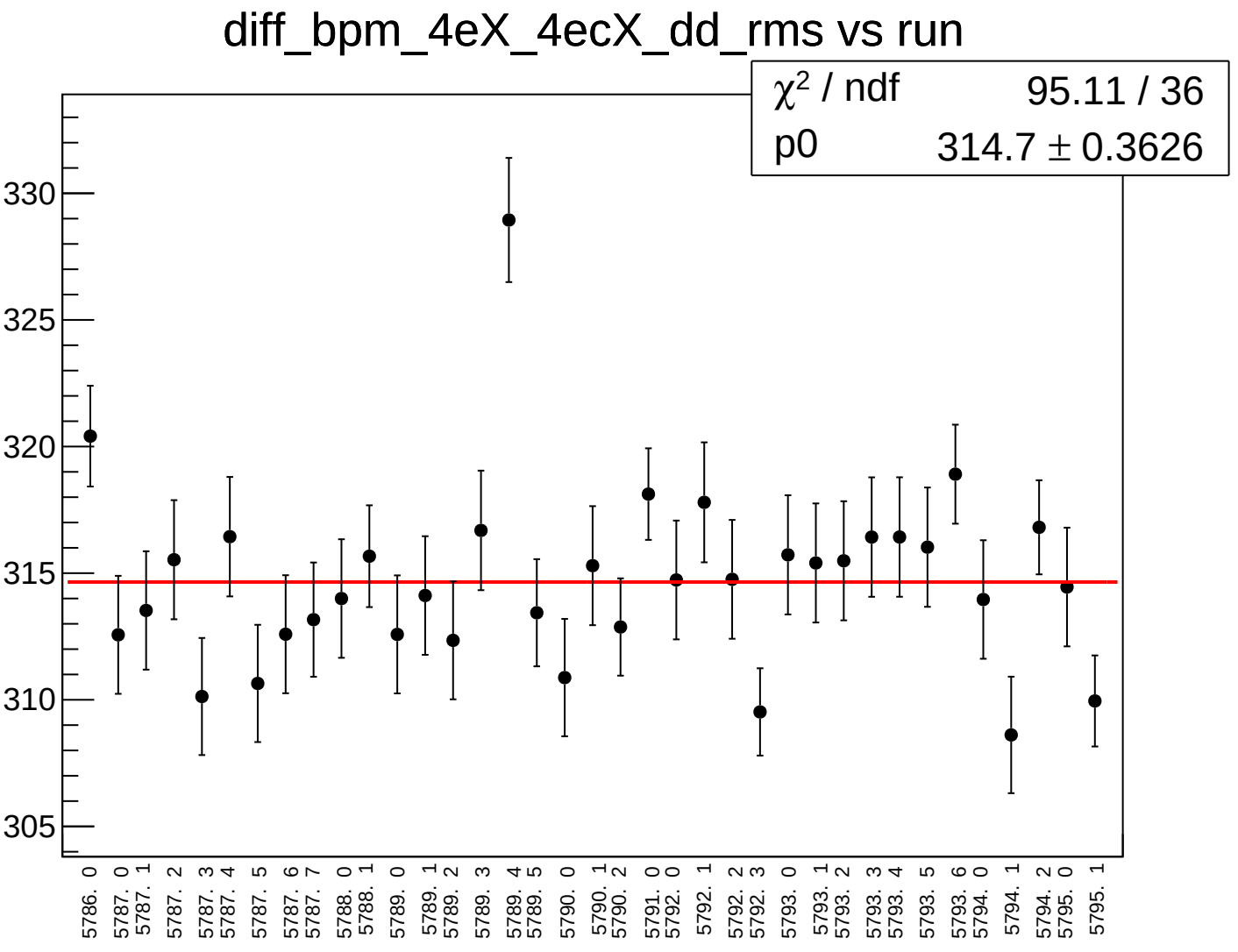

diff_bpm_4aX_4ecX_dd_rms vs run
χ² / ndf 4176 / 36
p0 1851 ± 2.139
2200
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

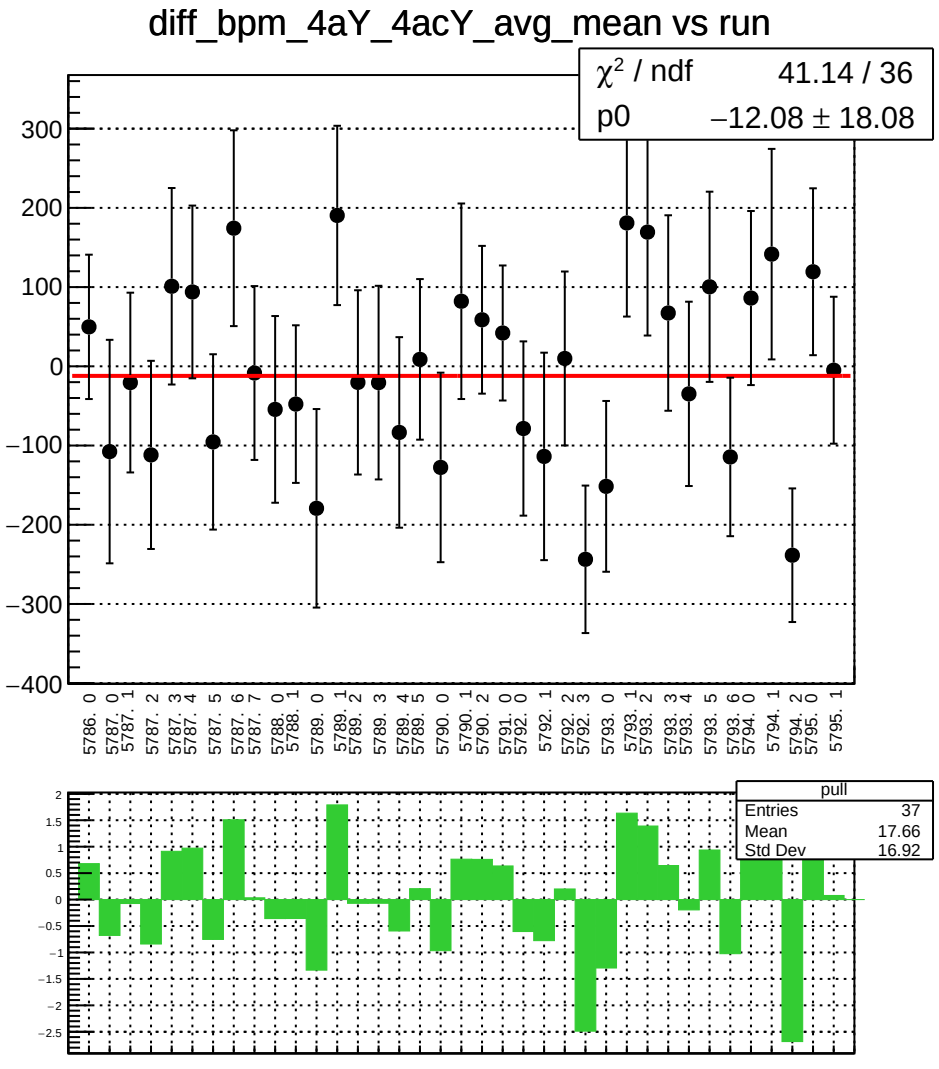

diff_bpm_4eX_4ecX_avg_mean vs run
χ² / ndf 42.87 / 36
p0 36.06 ± 19.66
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1031
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.001159
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

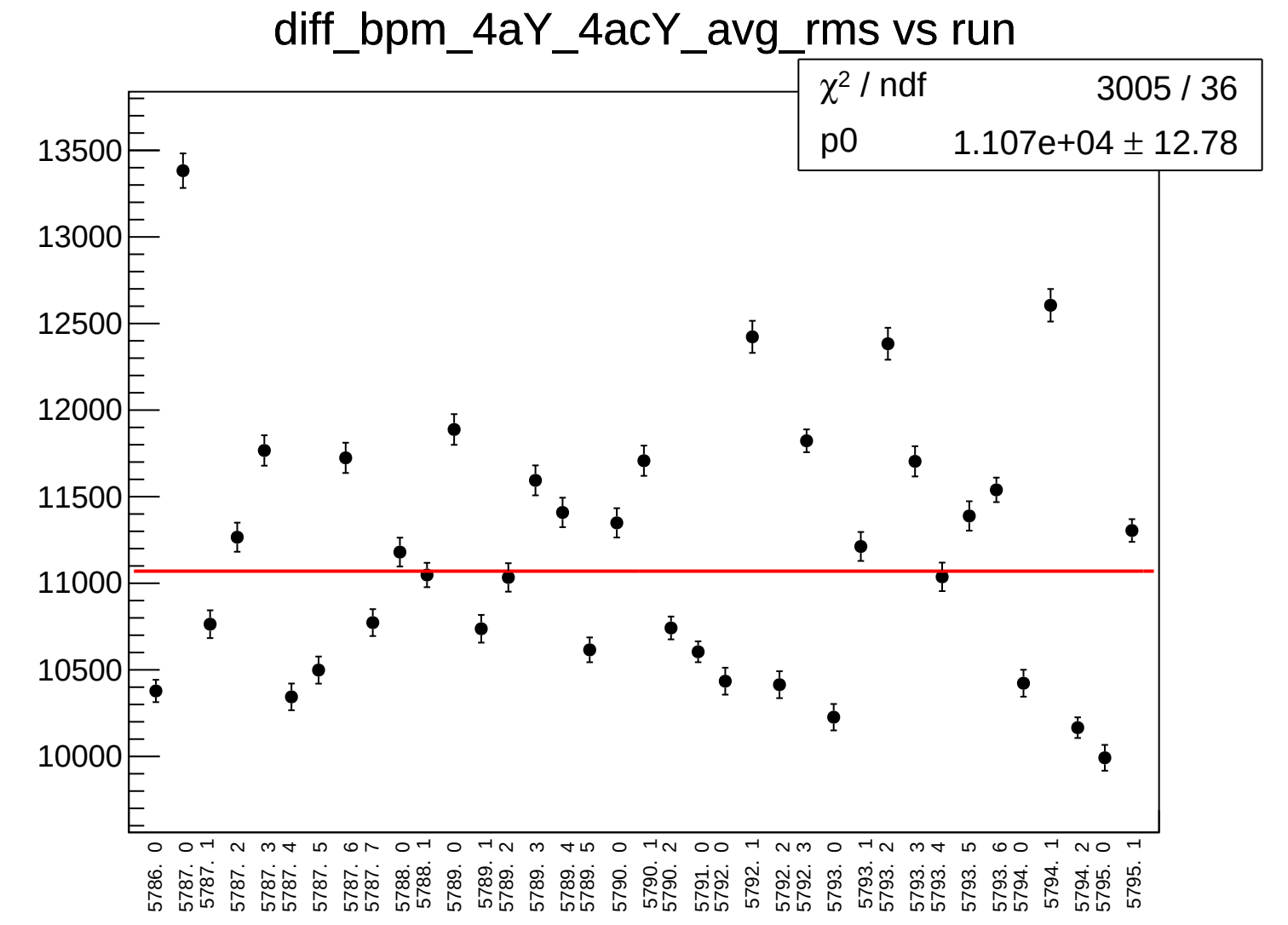

diff_bpm_4eX_4ecX_avg_rms vs run
χ² / ndf 4979 / 36
p0 1.202e+04 ± 13.9
14000
13000
12000
11000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

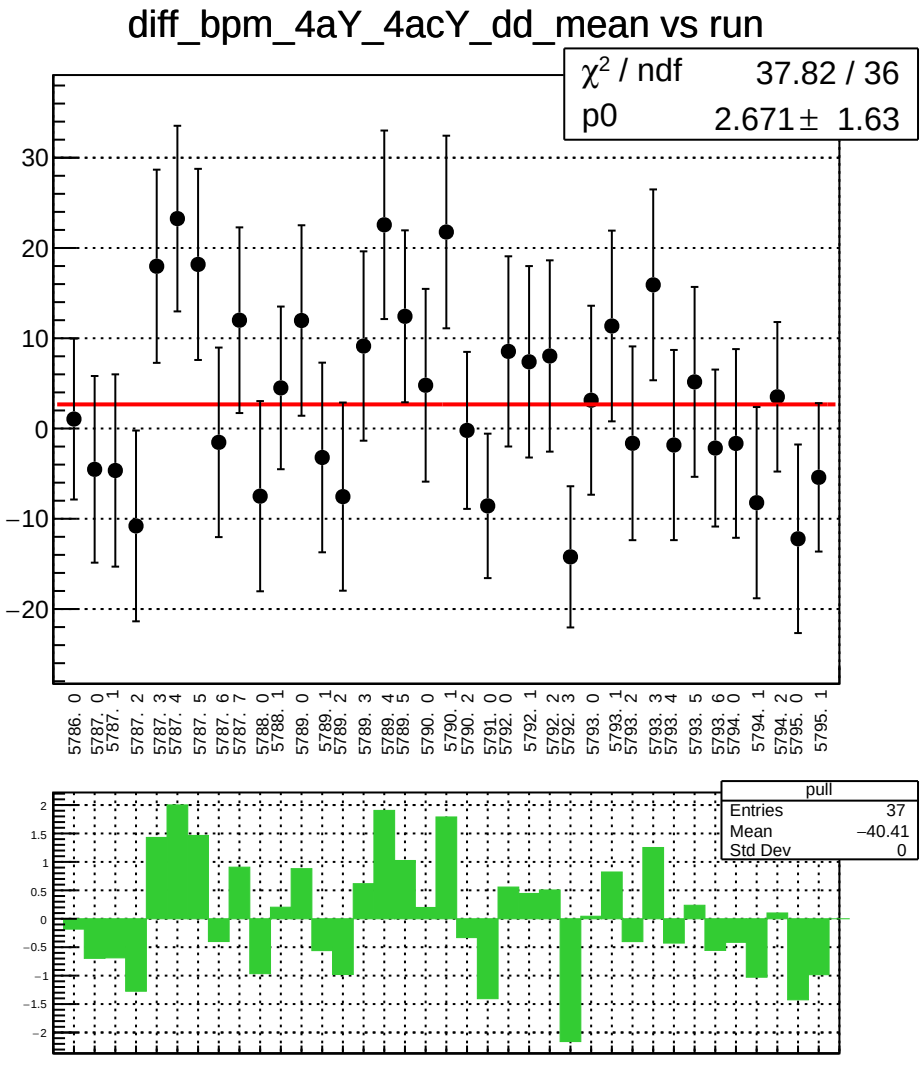

diff_bpm_4eX_4ecX_dd_mean vs run
χ² / ndf 36.83 / 36
p0 0.3308 ± 0.5128
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −54.97
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

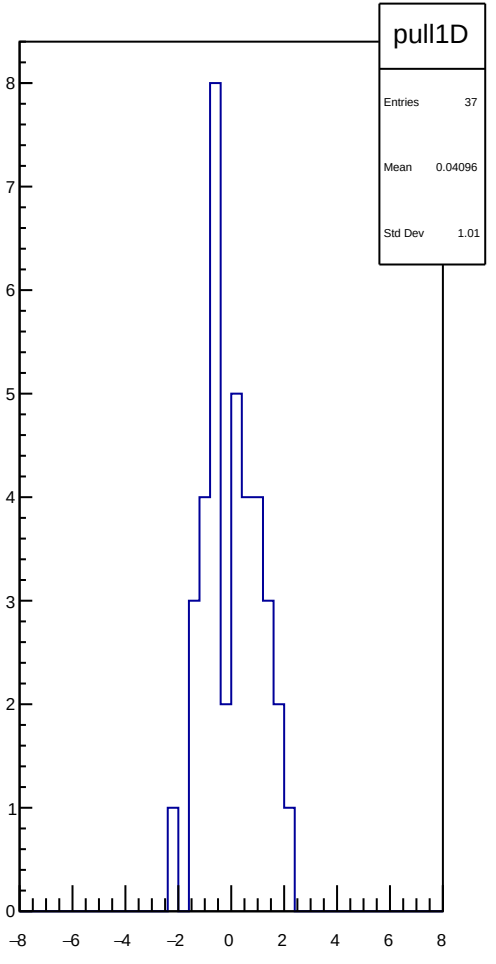

pull1D
Entries 37
Mean 0.005717
Std Dev 0.9977
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

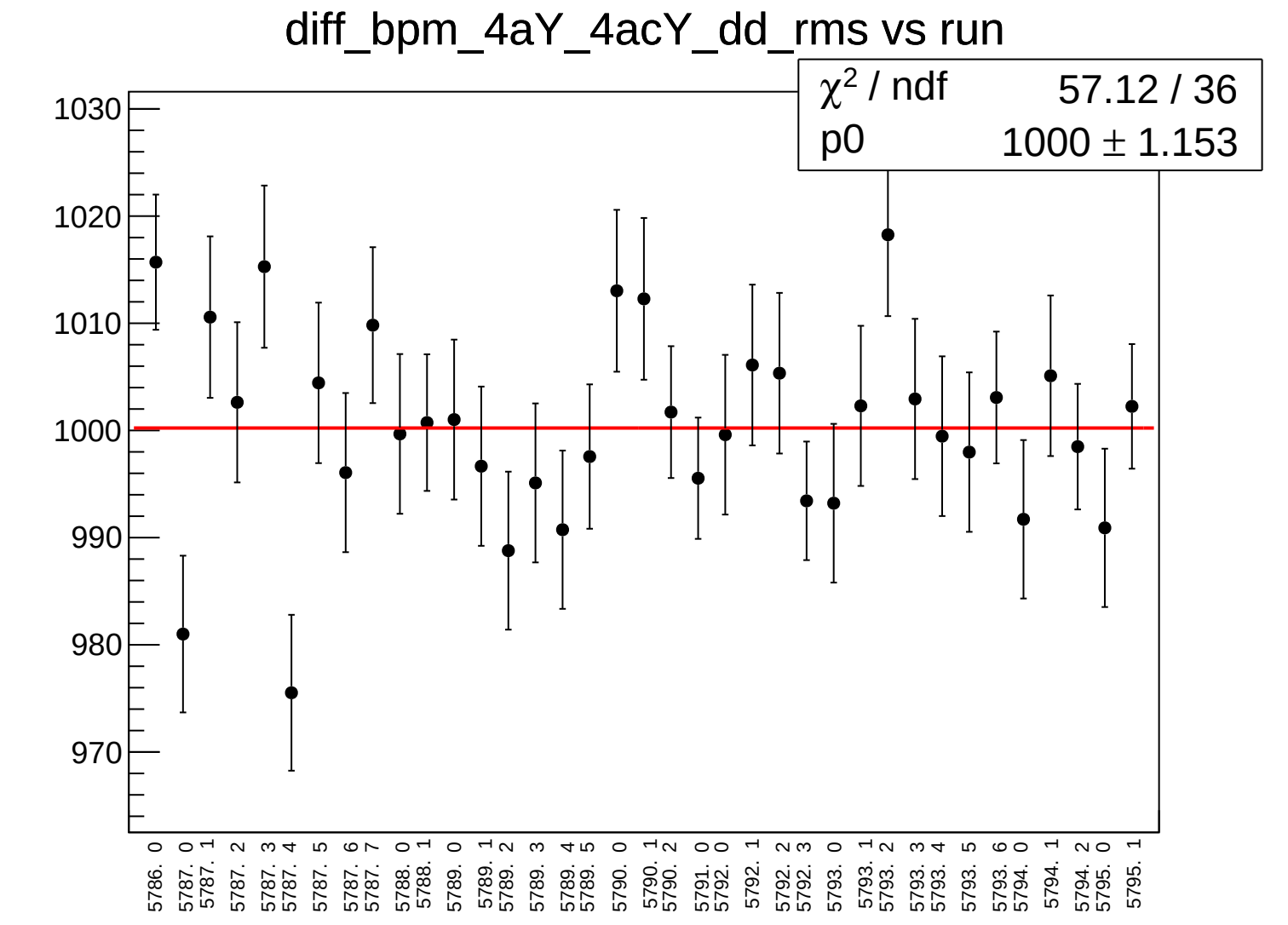

diff_bpm_4eX_4ecX_dd_rms vs run
χ² / ndf 95.11 / 36
p0 314.7 ± 0.3626
330
325
320
315
310
305
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

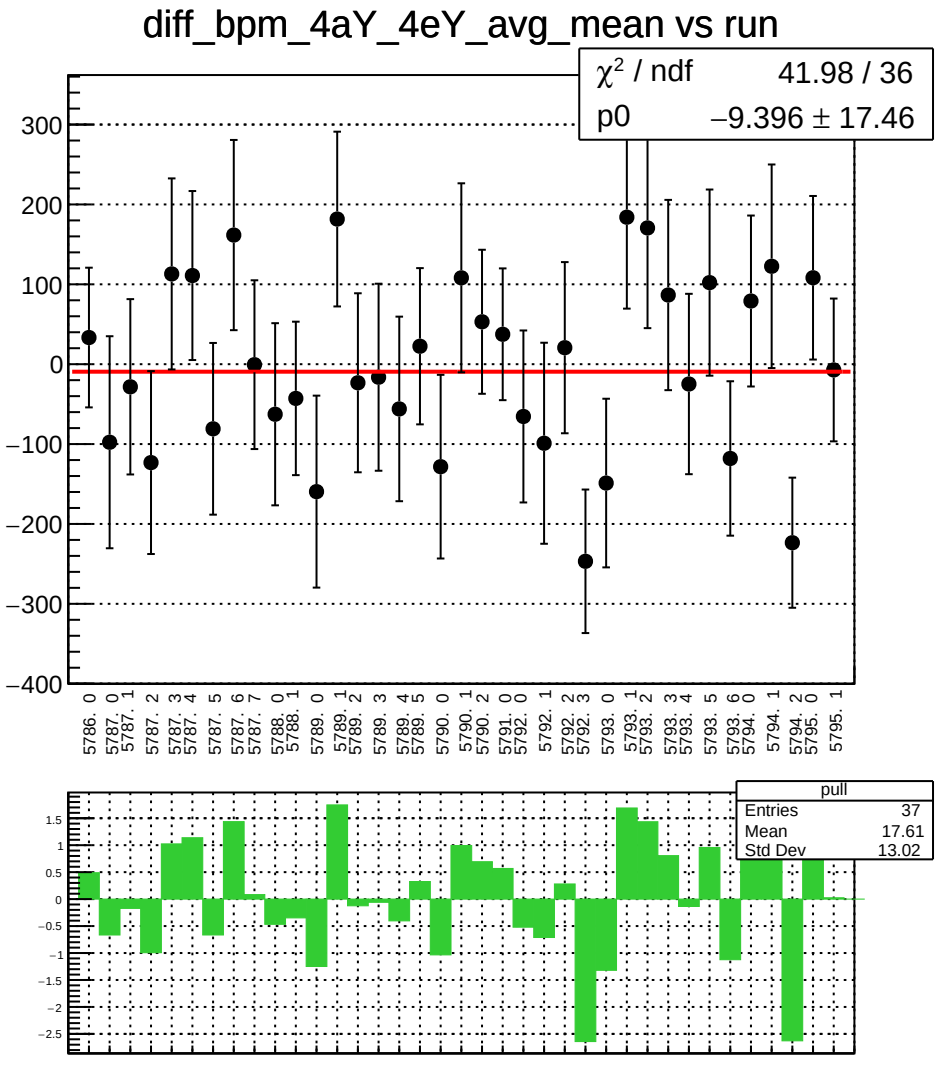

diff_bpm_4aY_4acY_avg_mean vs run
χ² / ndf 41.14 / 36
p0 −12.08 ± 18.08
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.66
Std Dev 16.92
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.03455
Std Dev 1.054
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

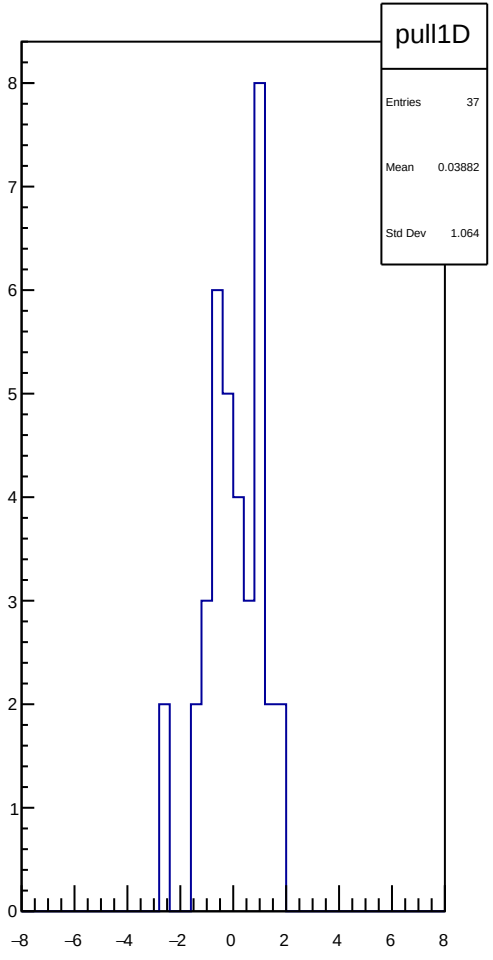

diff_bpm_4aY_4acY_avg_rms vs run
χ² / ndf 3005 / 36
p0 1.107e+04 ± 12.78
13500
13000
12500
12000
11500
11000
10500
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

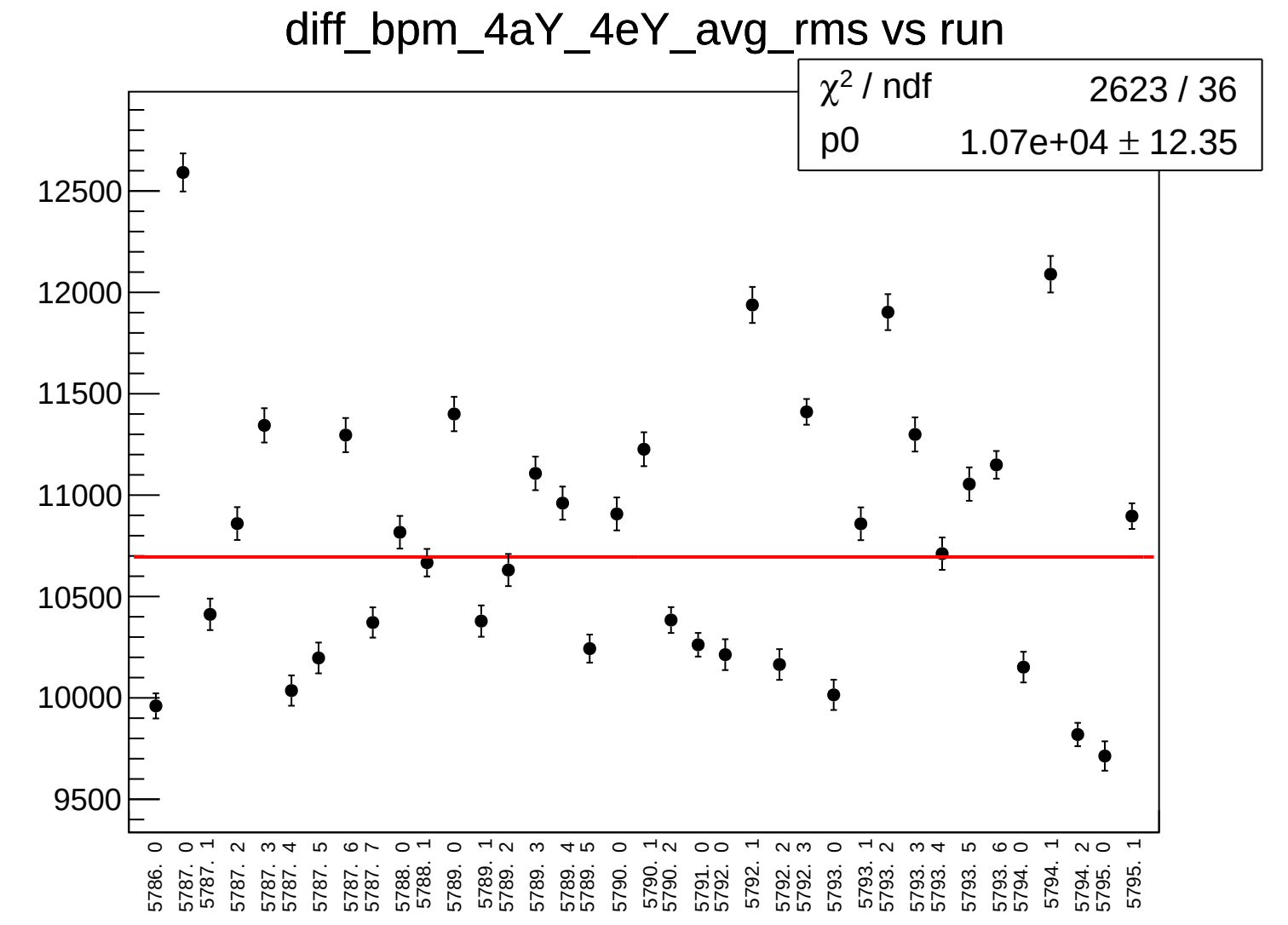

diff_bpm_4aY_4acY_dd_mean vs run
χ² / ndf 37.82 / 36
p0 2.671 ± 1.63
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −40.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

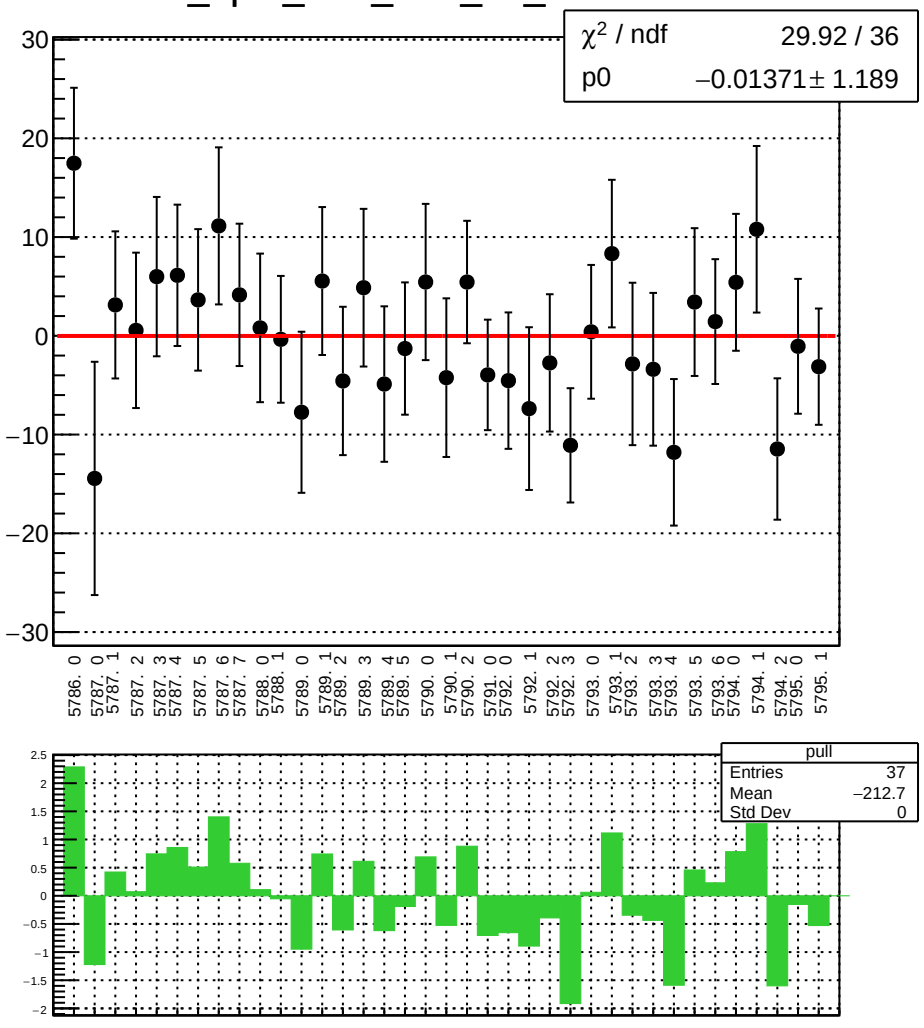

pull1D
Entries 37
Mean 0.04096
Std Dev 1.01
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

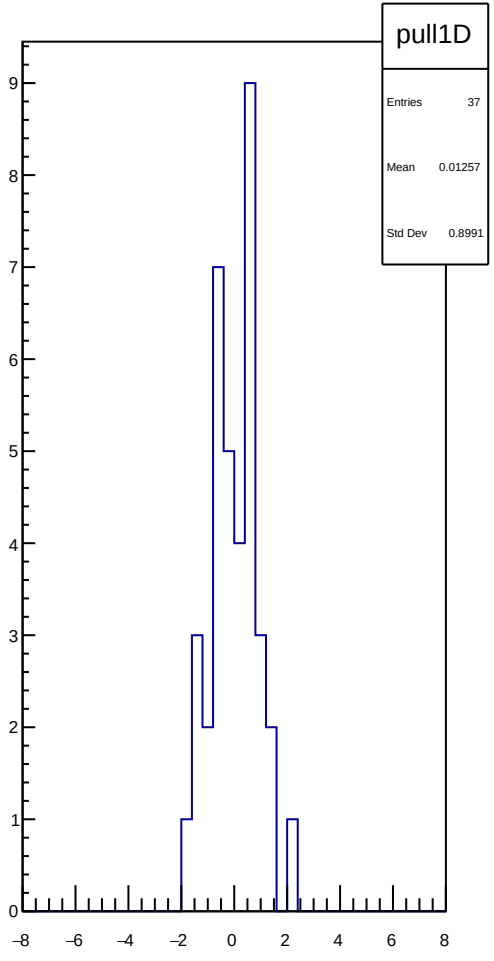

diff_bpm_4aY_4acY_dd_rms vs run
χ² / ndf 57.12 / 36
p0 1000 ± 1.153
1030
1020
1010
1000
990
980
970
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

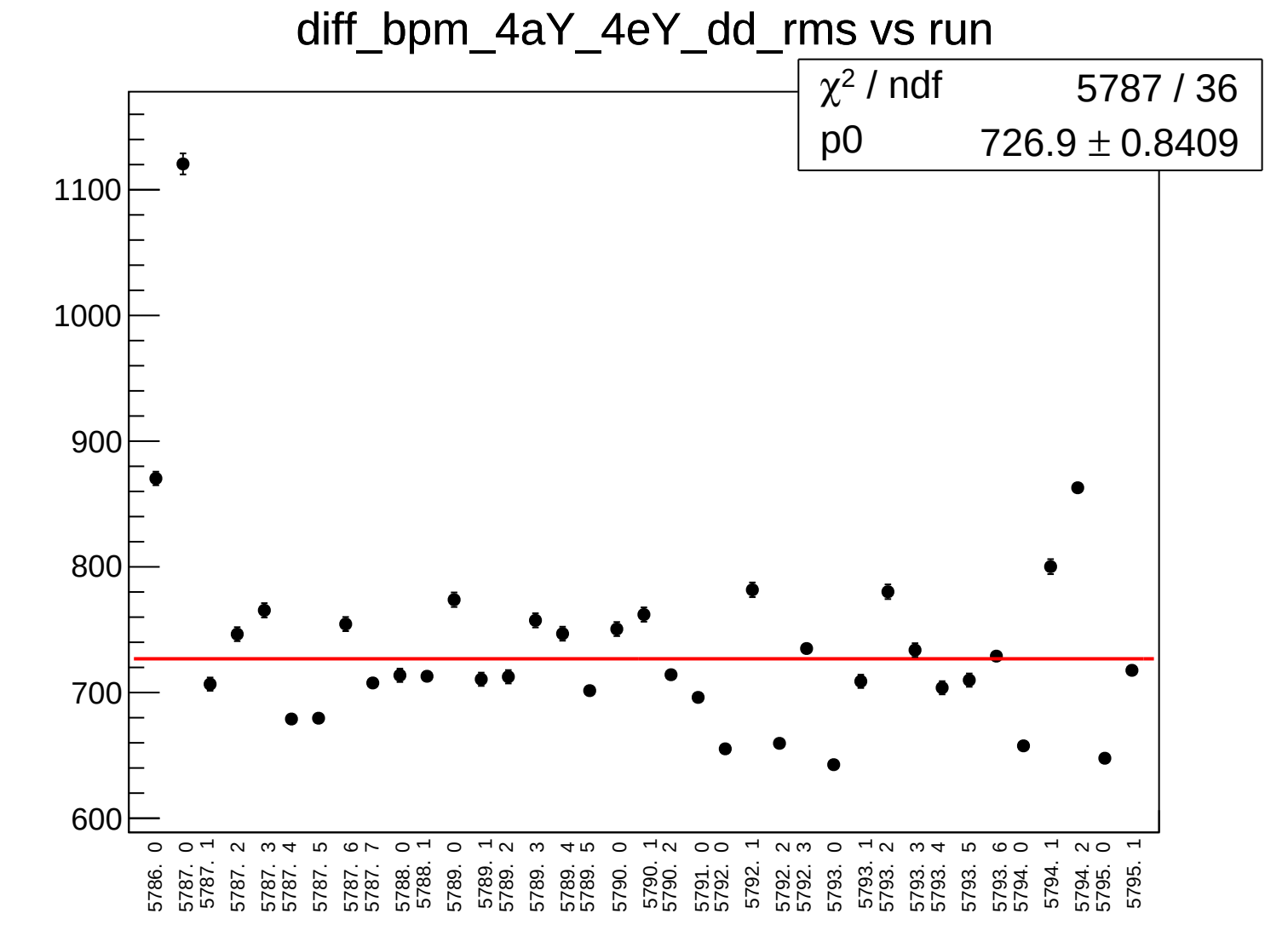

diff_bpm_4aY_4eY_avg_mean vs run
χ² / ndf 41.98 / 36
p0 −9.396 ± 17.46
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.61
Std Dev 13.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

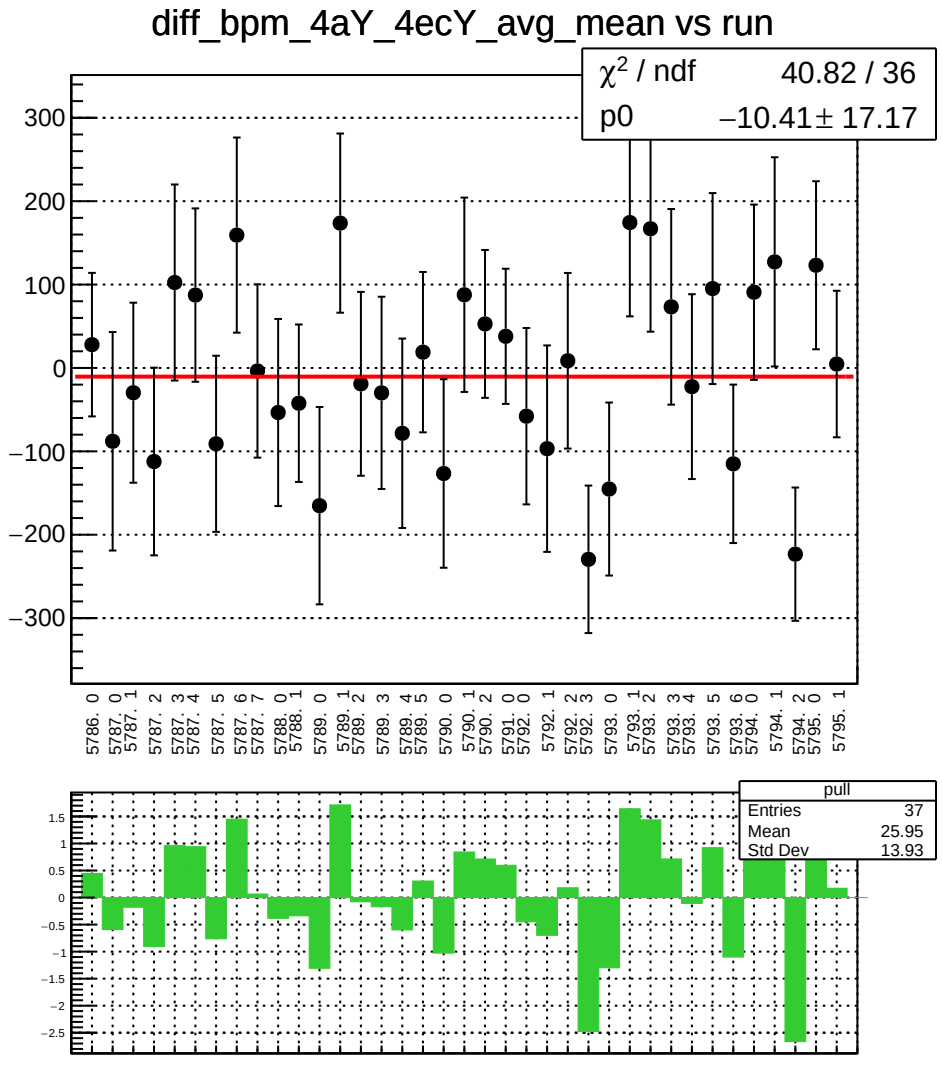

pull1D
Entries 37
Mean 0.03882
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

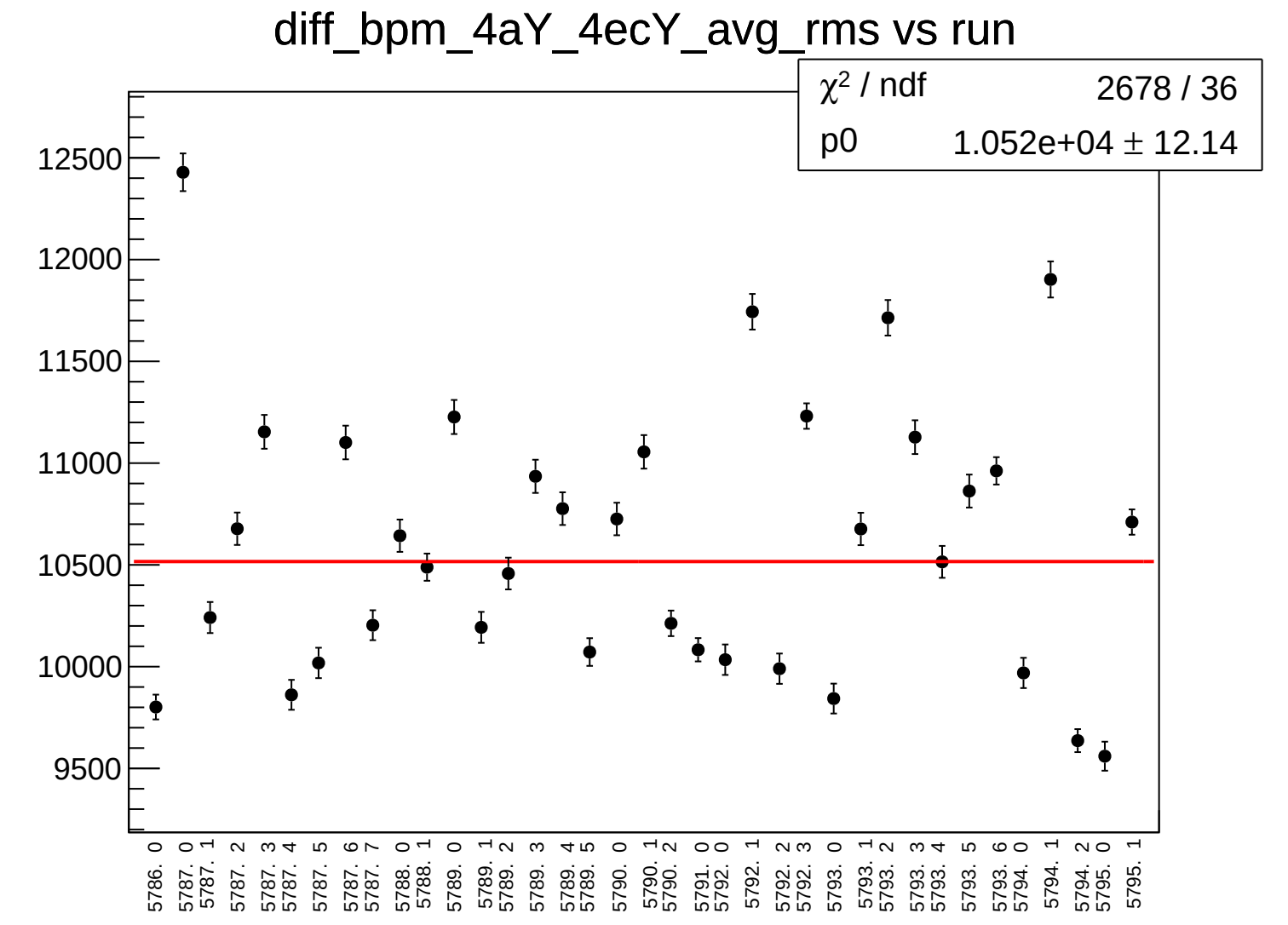

diff_bpm_4aY_4eY_avg_rms vs run
χ² / ndf 2623 / 36
p0 1.07e+04 ± 12.35
12500
12000
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

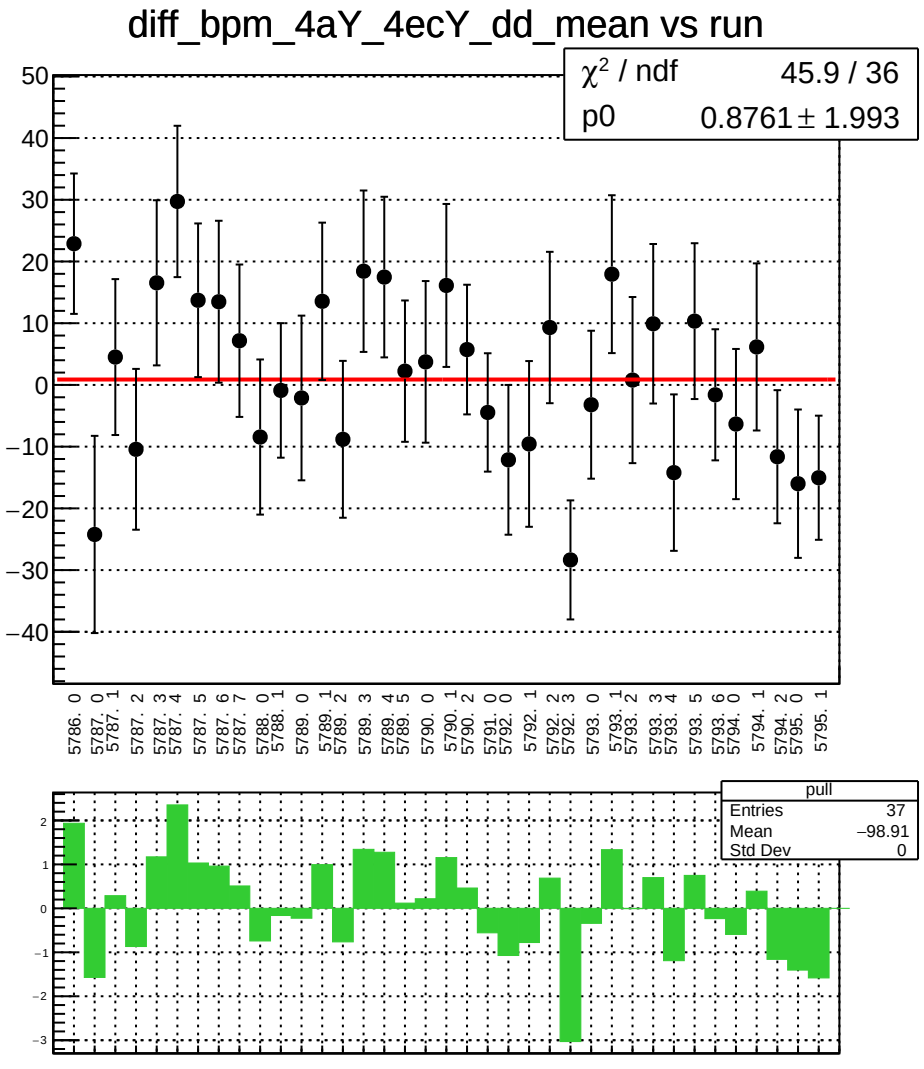

diff_bpm_4aY_4eY_dd_mean vs run
χ² / ndf 29.92 / 36
p0 −0.01371 ± 1.189
pull
Entries 37
Mean −212.7
Std Dev 0

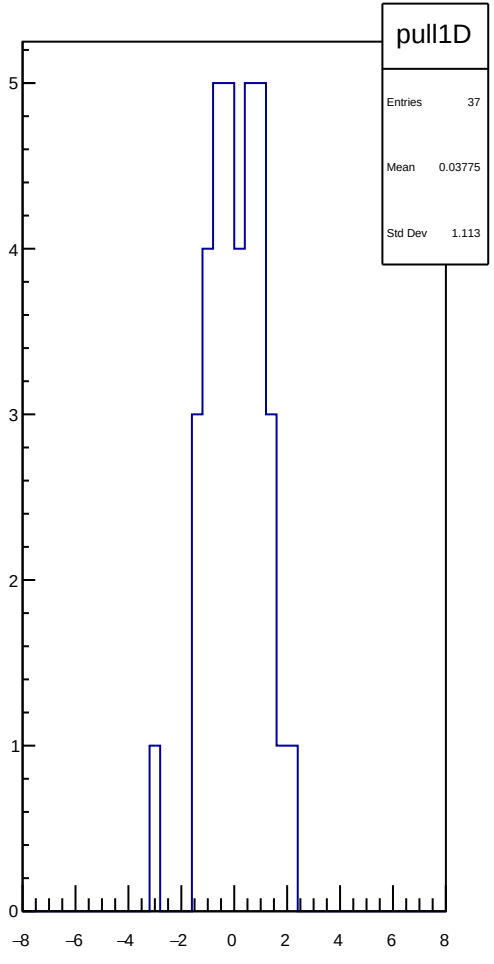

pull1D
Entries 37
Mean 0.01257
Std Dev 0.8991

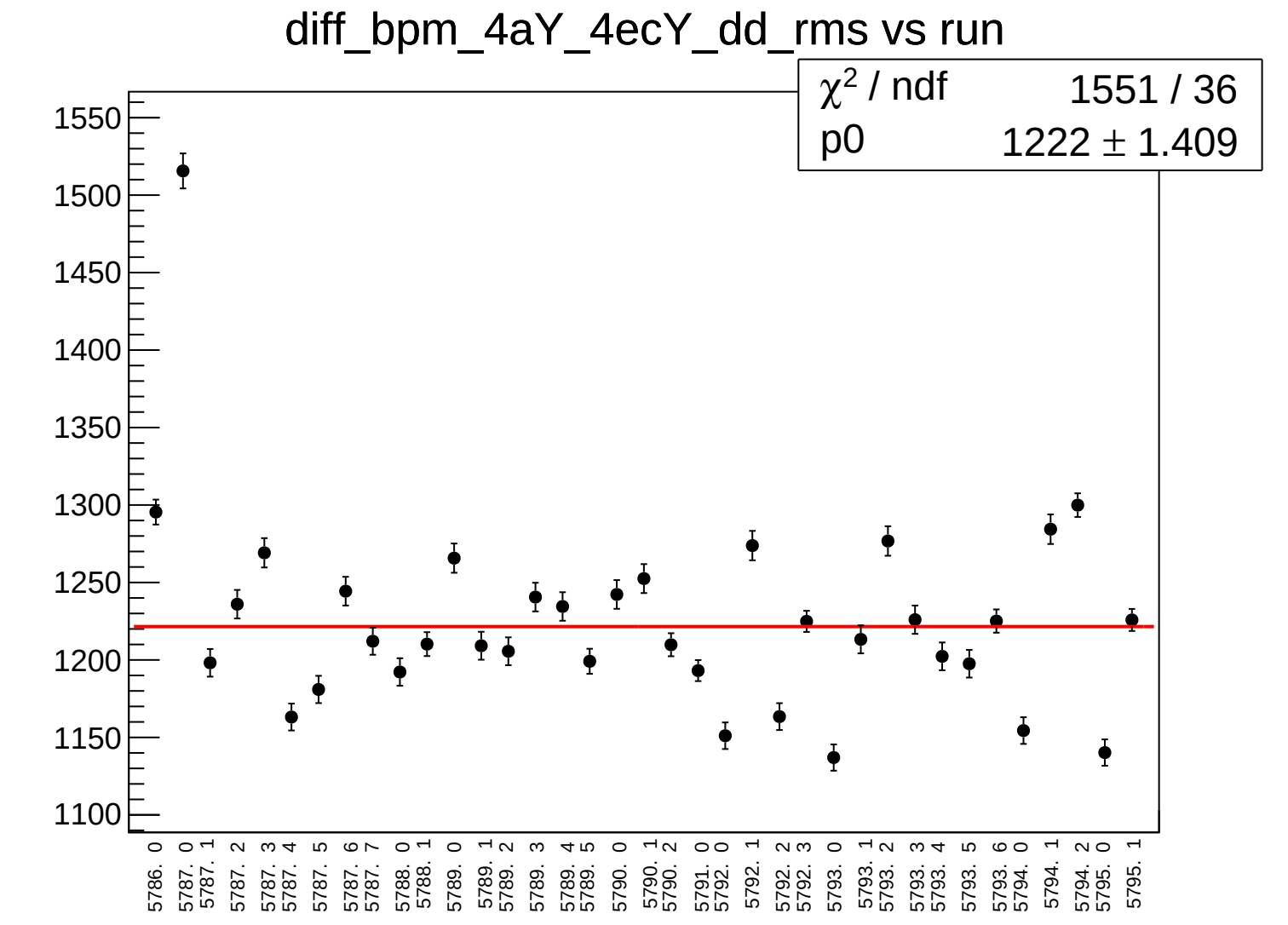

diff_bpm_4aY_4eY_dd_rms vs run
χ² / ndf 5787 / 36
p0 726.9 ± 0.8409
1100
1000
900
800
700
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

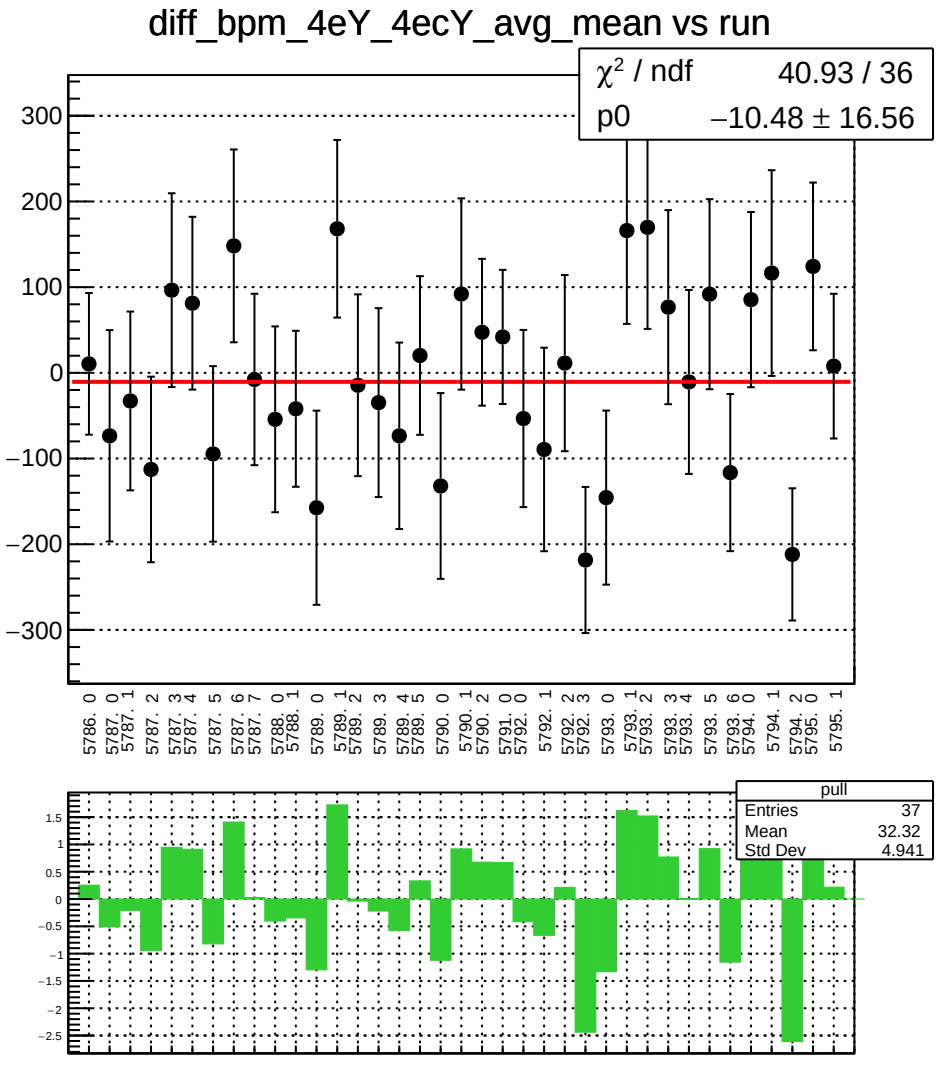

diff_bpm_4aY_4ecY_avg_mean vs run
χ² / ndf 40.82 / 36
p0 −10.41 ± 17.17
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.95
Std Dev 13.93
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.03658
Std Dev 1.05
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

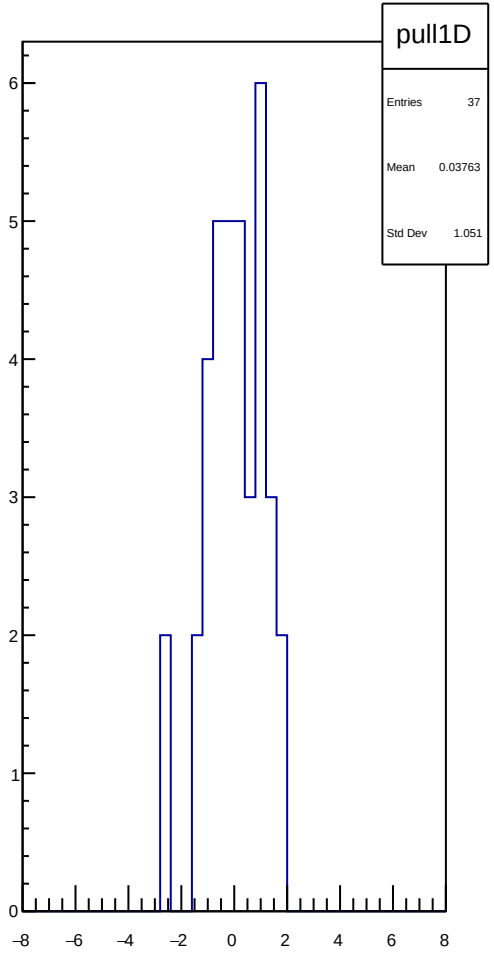

diff_bpm_4aY_4ecY_avg_rms vs run
χ² / ndf 2678 / 36
p0 1.052e+04 ± 12.14
12500
12000
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

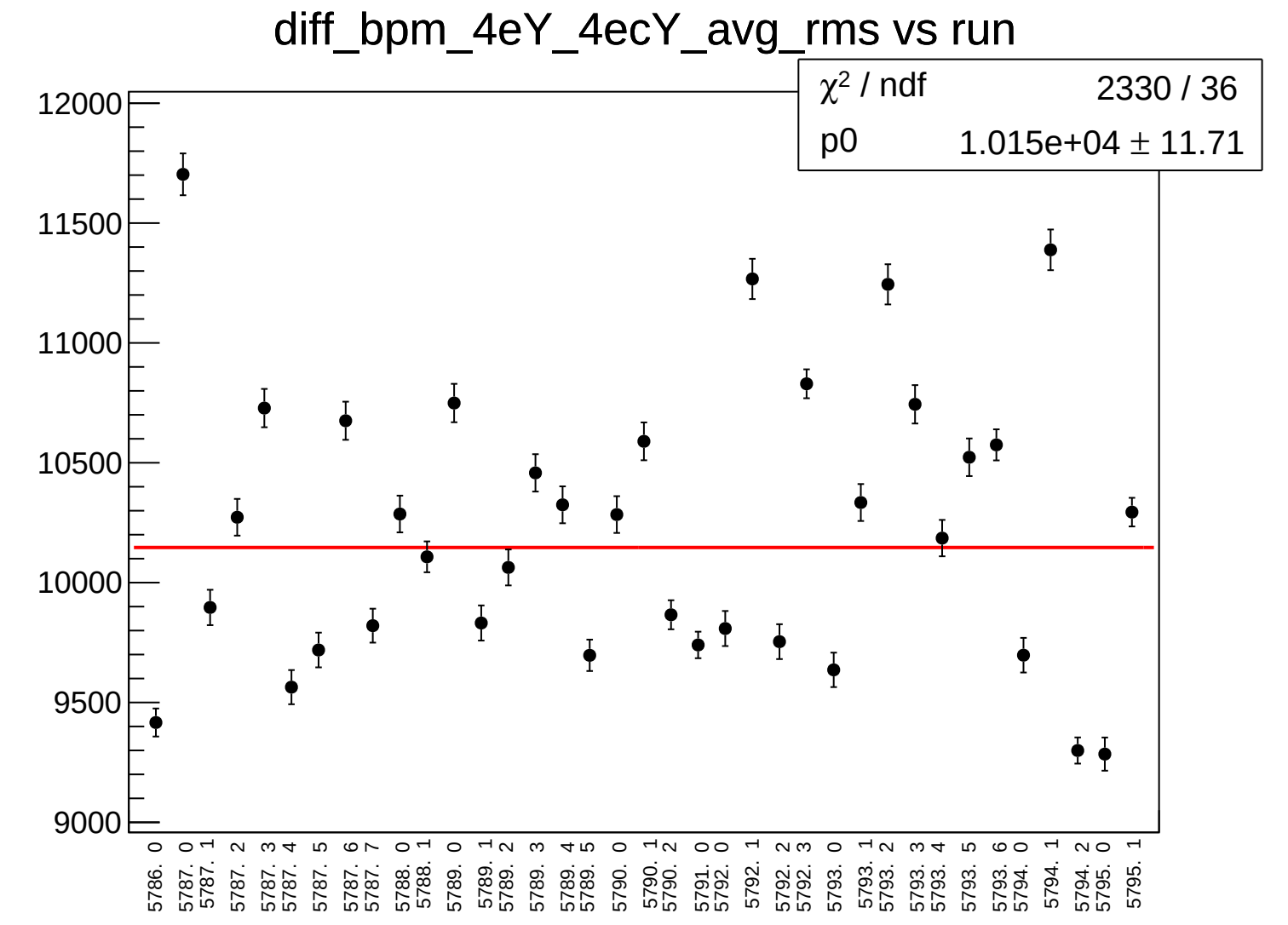

diff_bpm_4aY_4ecY_dd_mean vs run
χ² / ndf 45.9 / 36
p0 0.8761 ± 1.993
pull
Entries 37
Mean −98.91
Std Dev 0

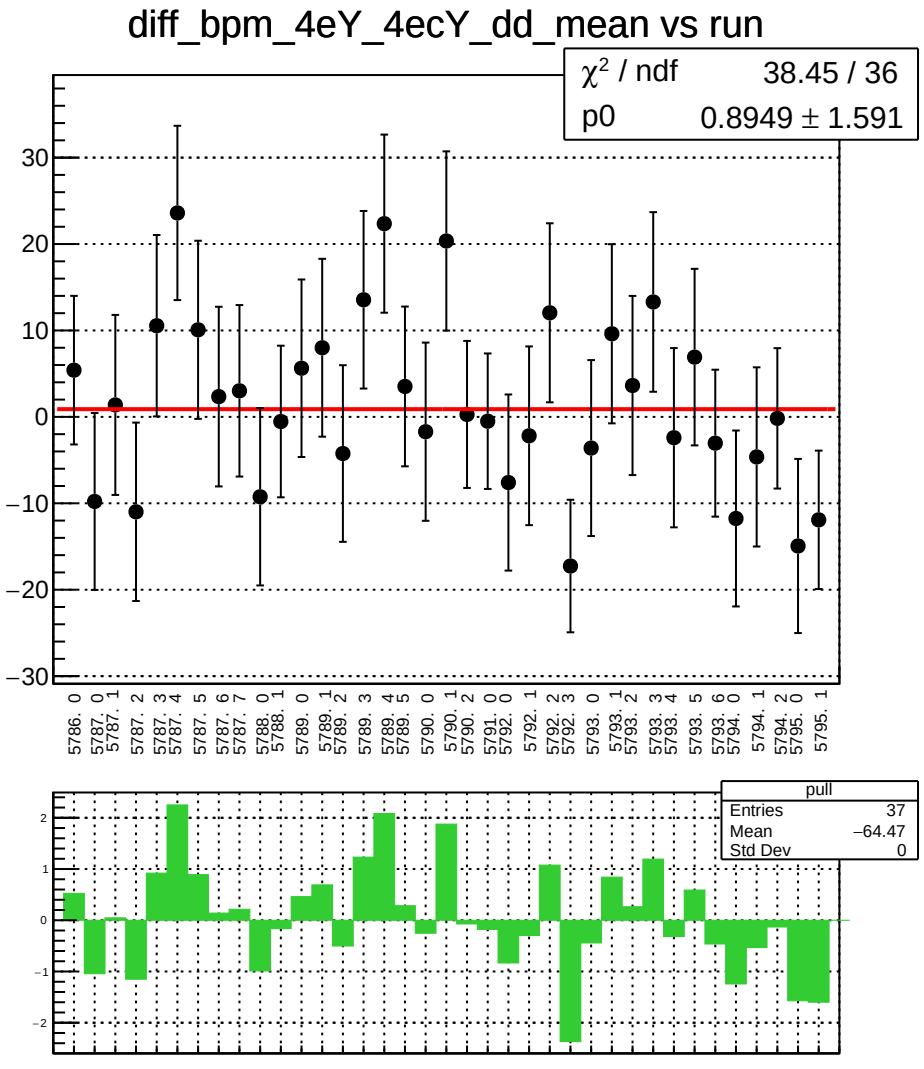

pull1D
Entries 37
Mean 0.03775
Std Dev 1.113

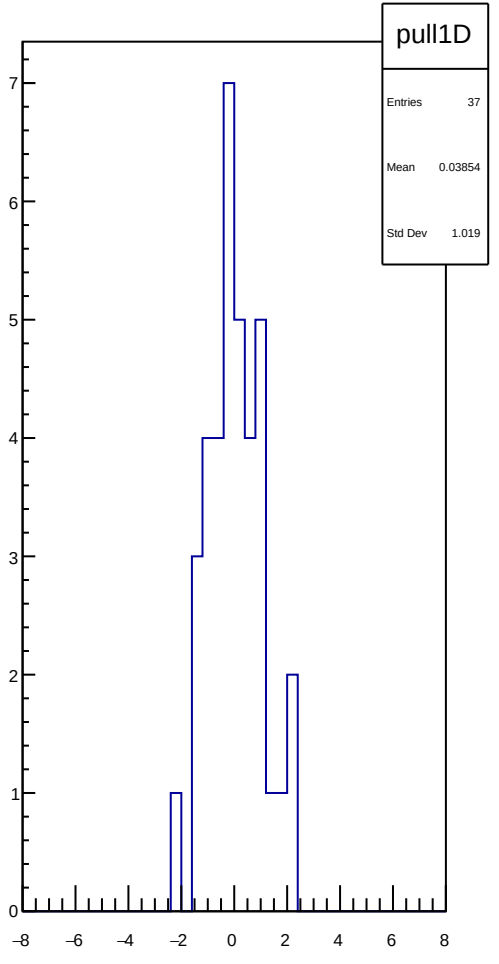

diff_bpm_4aY_4ecY_dd_rms vs run
χ² / ndf 1551 / 36
p0 1222 ± 1.409
1550
1500
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

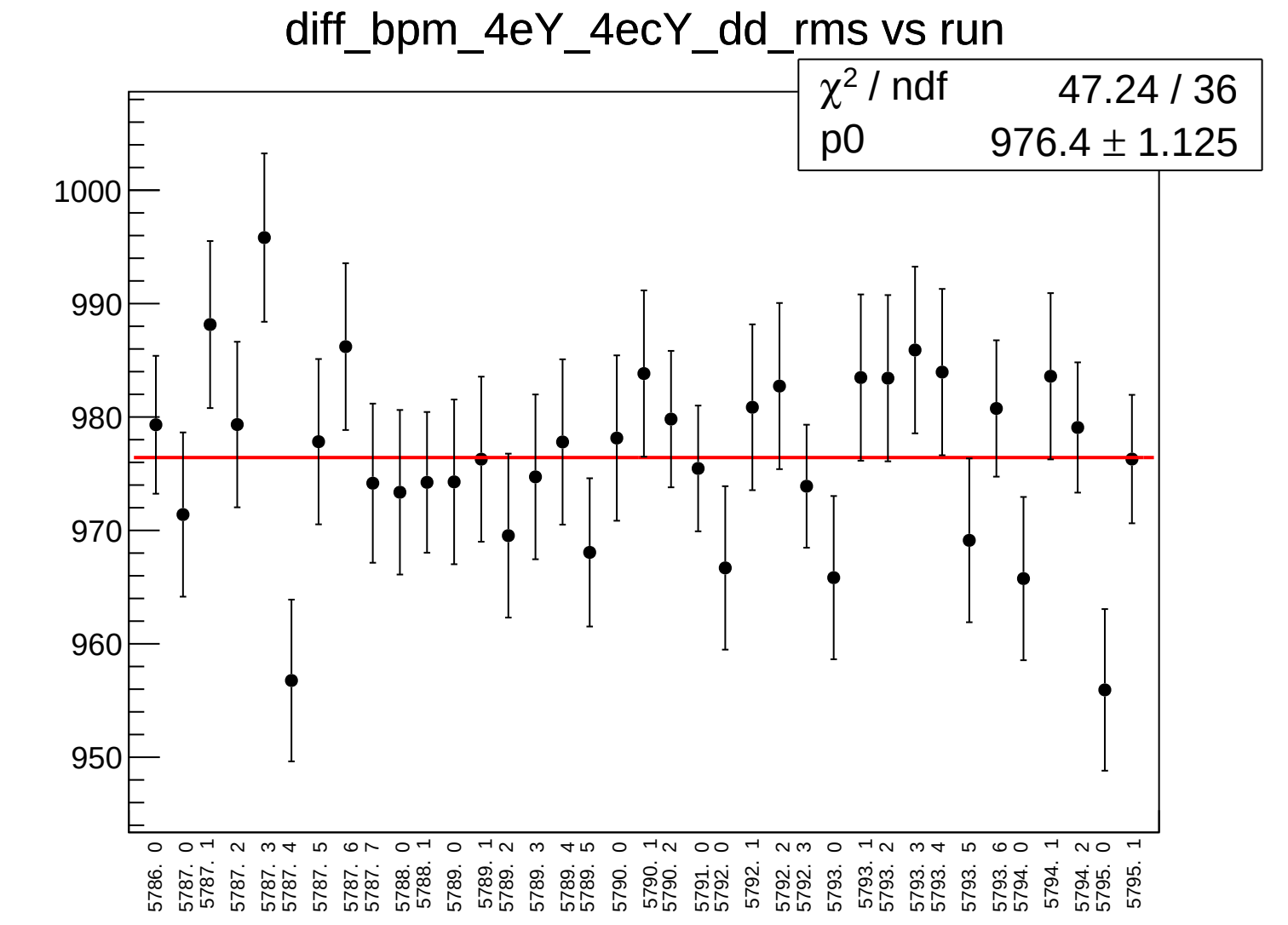

diff_bpm_4eY_4ecY_avg_mean vs run
χ² / ndf 40.93 / 36
p0 −10.48 ± 16.56
pull
Entries 37
Mean 32.32
Std Dev 4.941

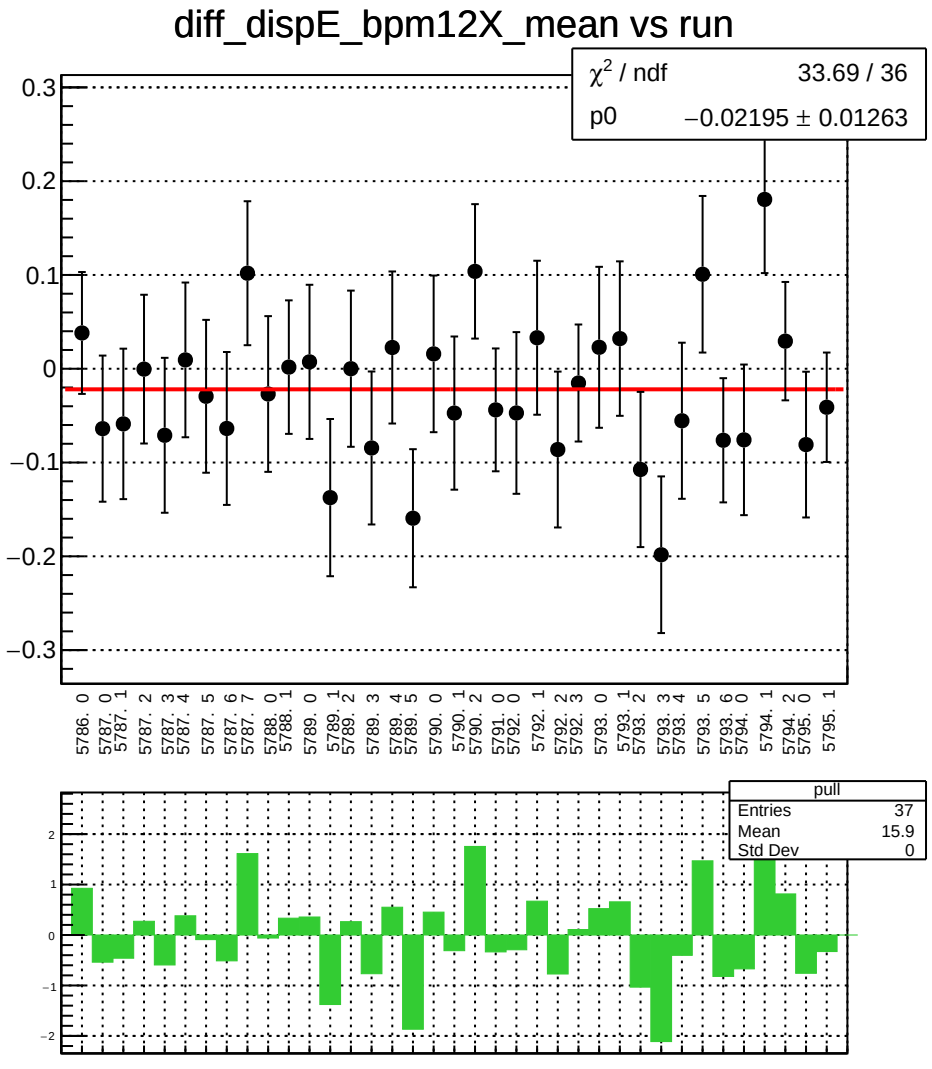

pull1D
Entries 37
Mean 0.03763
Std Dev 1.051

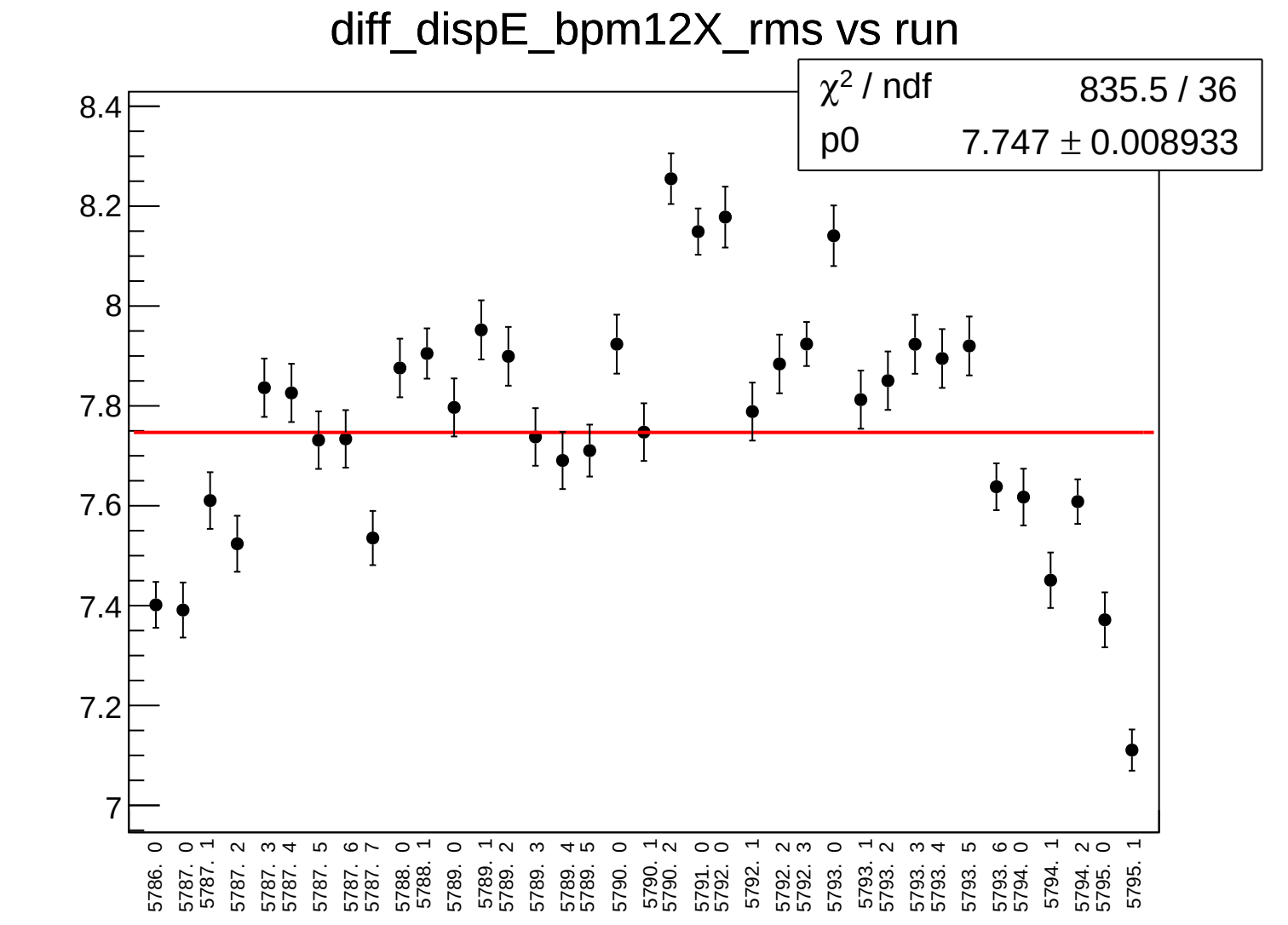

diff_bpm_4eY_4ecY_avg_rms vs run
χ² / ndf 2330 / 36
p0 1.015e+04 ± 11.71
12000
11500
11000
10500
10000
9500
9000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

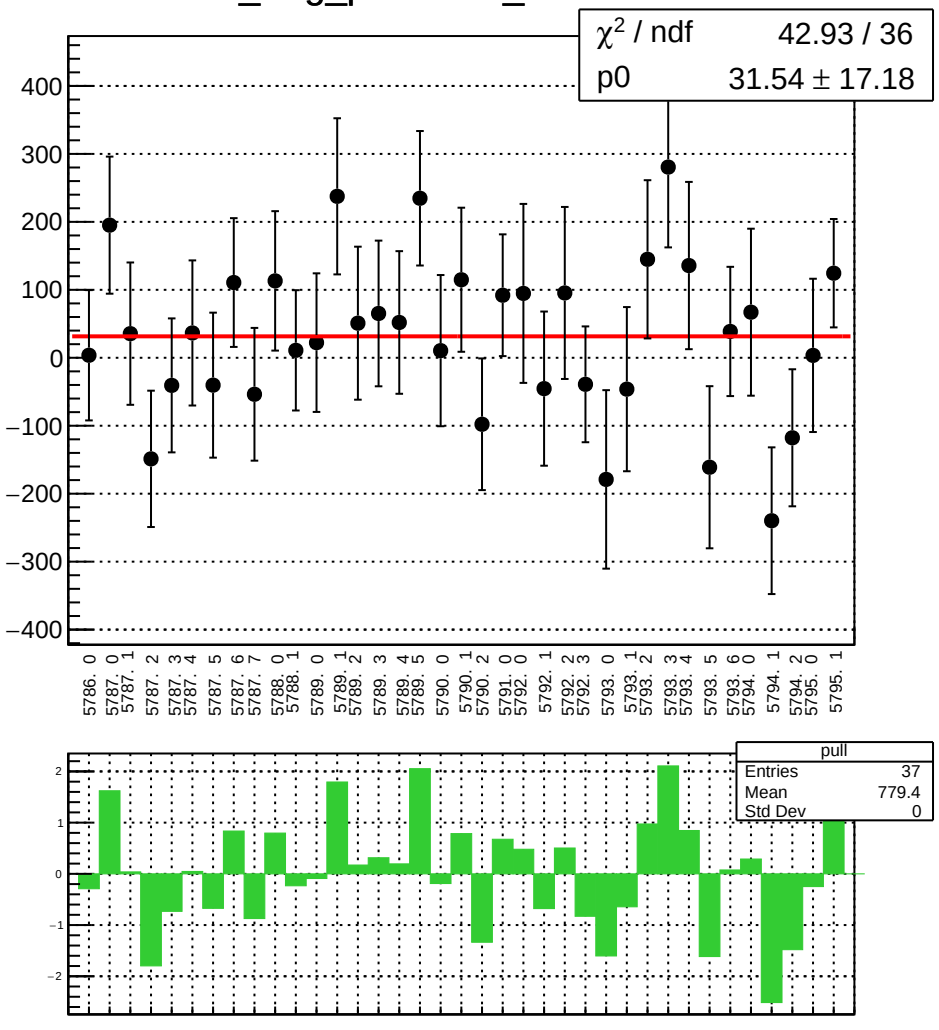

diff_bpm_4eY_4ecY_dd_mean vs run
χ² / ndf 38.45 / 36
p0 0.8949 ± 1.591
30
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −64.47
Std Dev 0
2
1
0
−1
−2

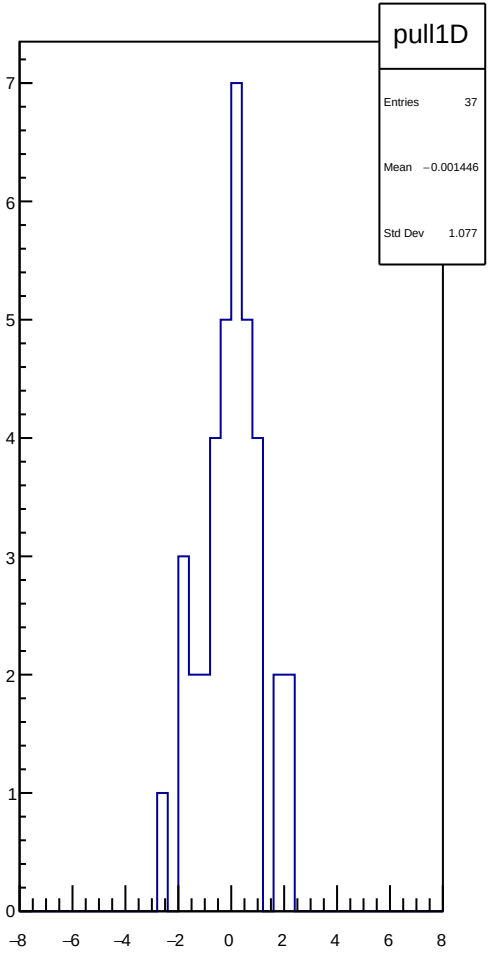

pull1D
Entries 37
Mean 0.03854
Std Dev 1.019
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

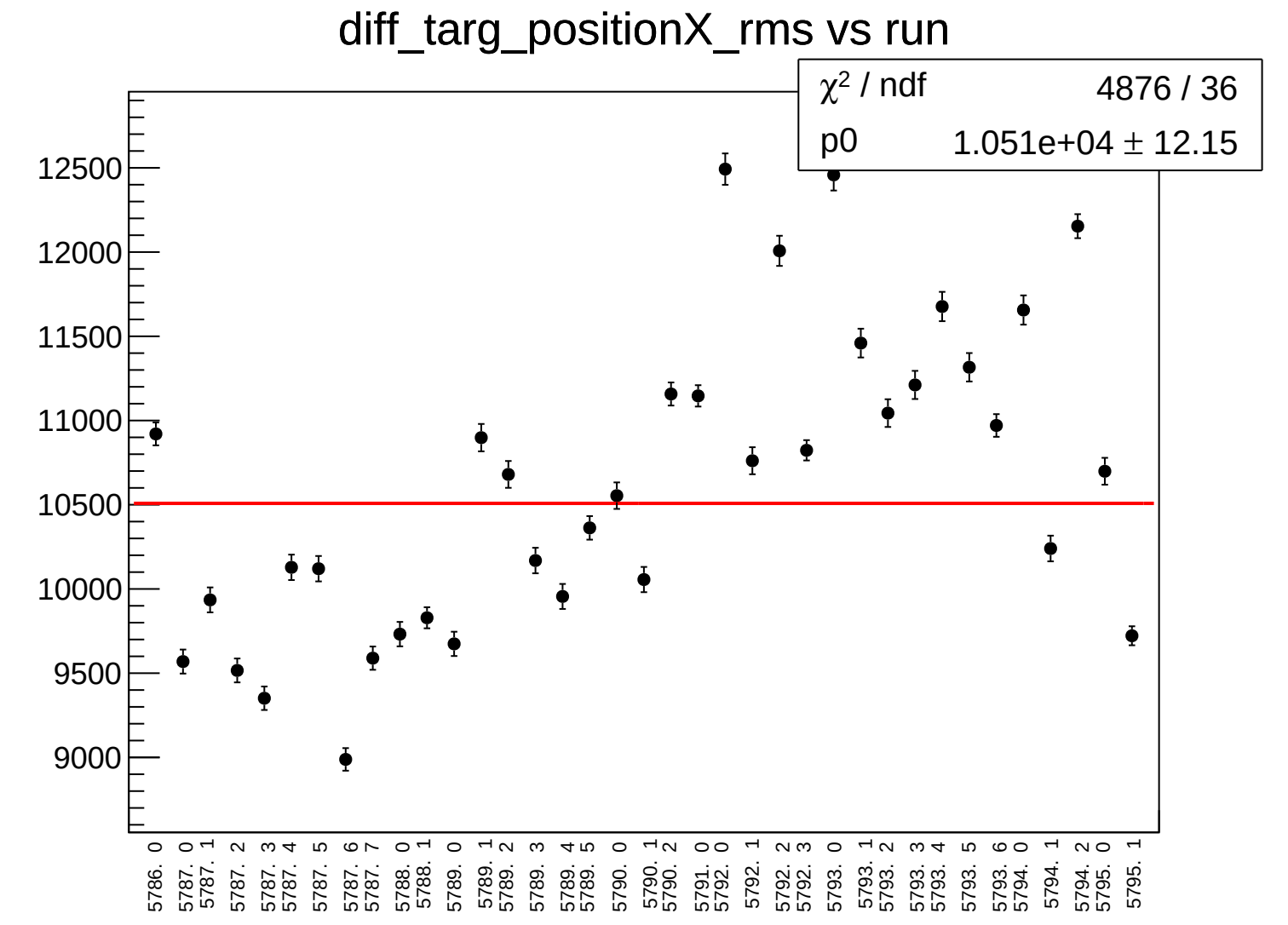

diff_bpm_4eY_4ecY_dd_rms vs run
χ² / ndf 47.24 / 36
p0 976.4 ± 1.125
1000
990
980
970
960
950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

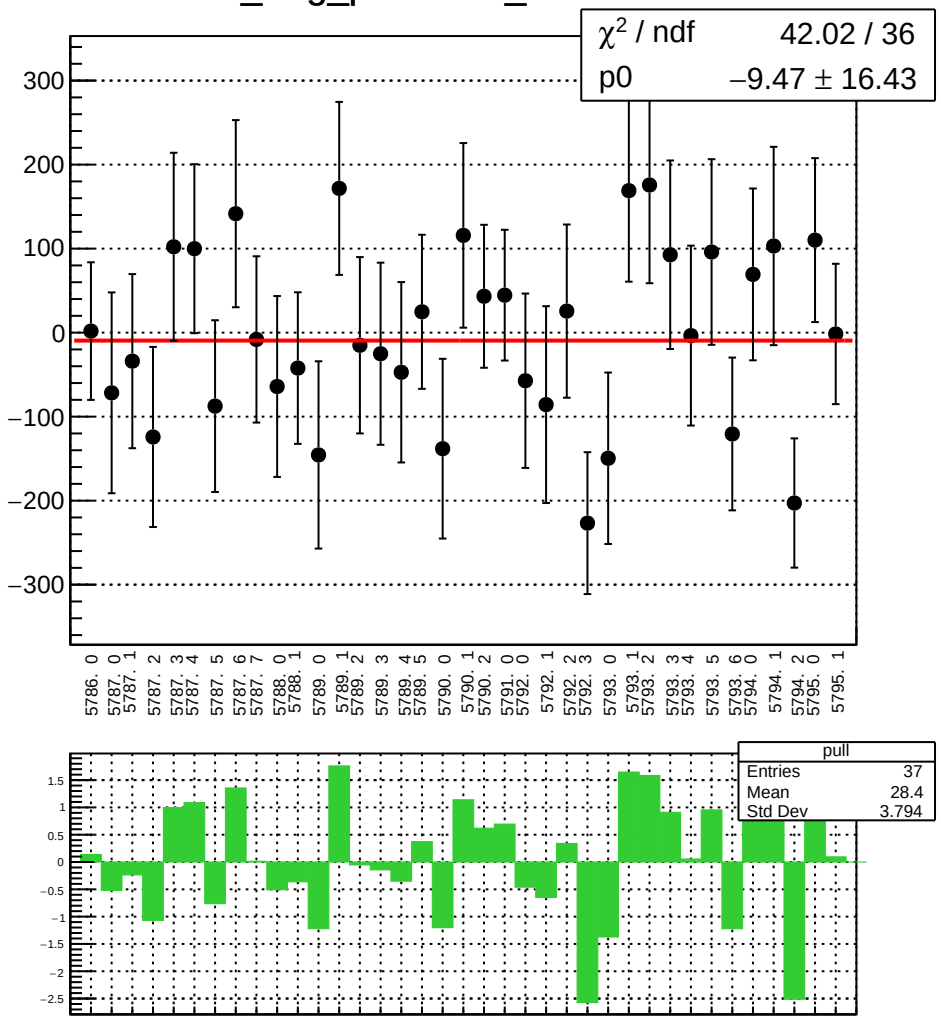

diff_dispE_bpm12X_mean vs run
χ² / ndf 33.69 / 36
p0 −0.02195 ± 0.01263
pull
Entries 37
Mean 15.9
Std Dev 0
pull1D
Entries 37
Mean −0.01023
Std Dev 0.9541

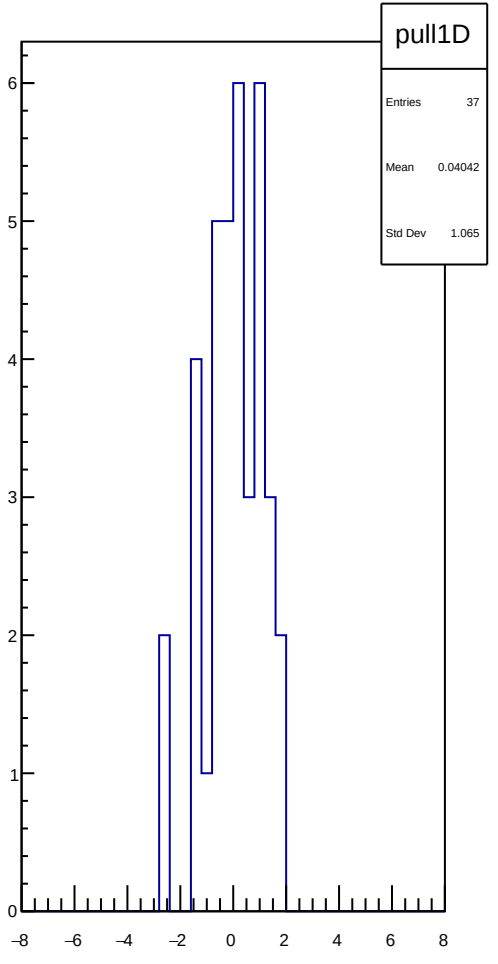

diff_dispE_bpm12X_rms vs run
χ² / ndf 835.5 / 36
p0 7.747 ± 0.008933
8.4
8.2
8
7.8
7.6
7.4
7.2
7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

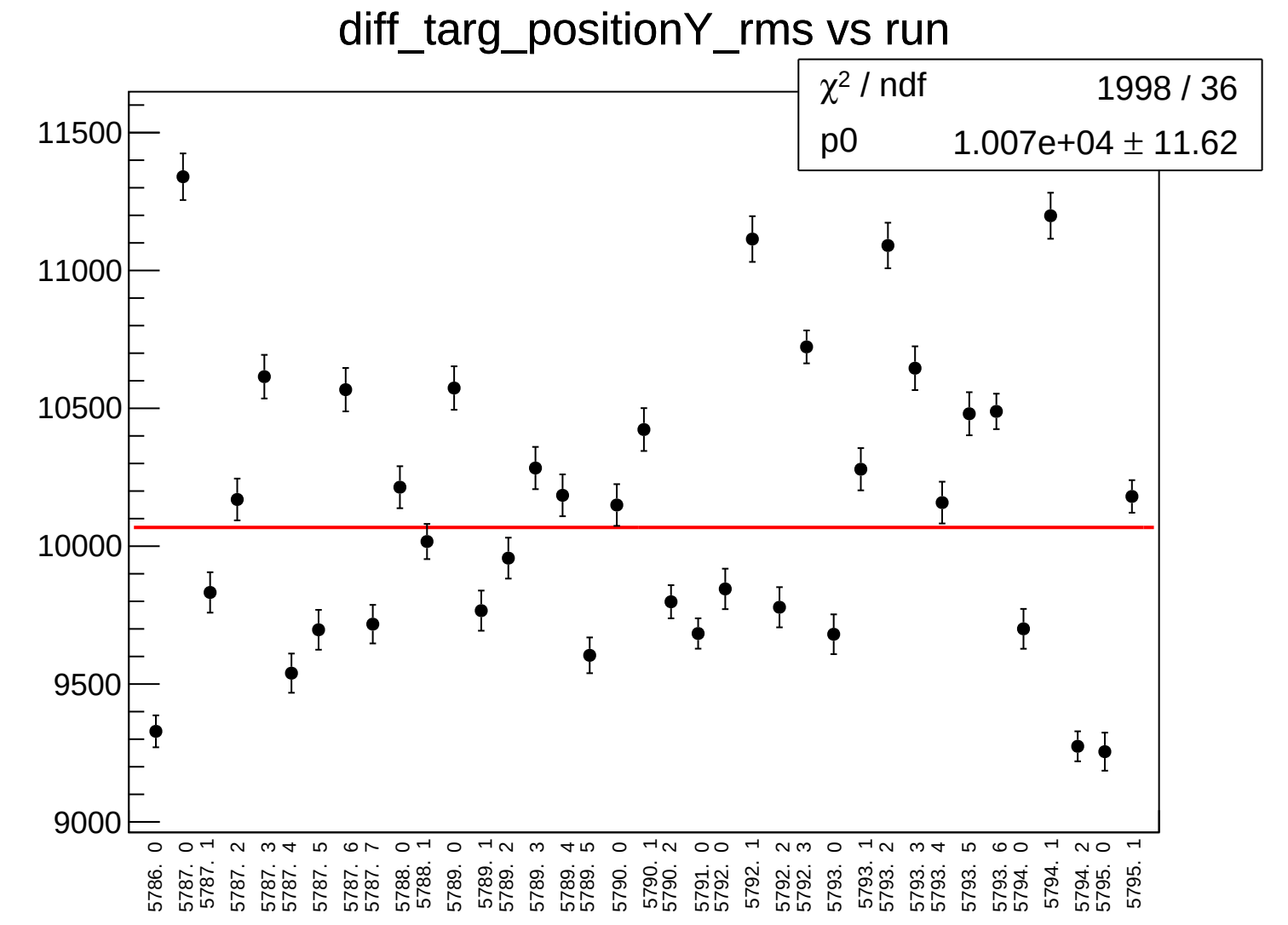

diff_targ_positionX_mean vs run
χ² / ndf 42.93 / 36
p0 31.54 ± 17.18
pull
Entries 37
Mean 779.4
Std Dev 0

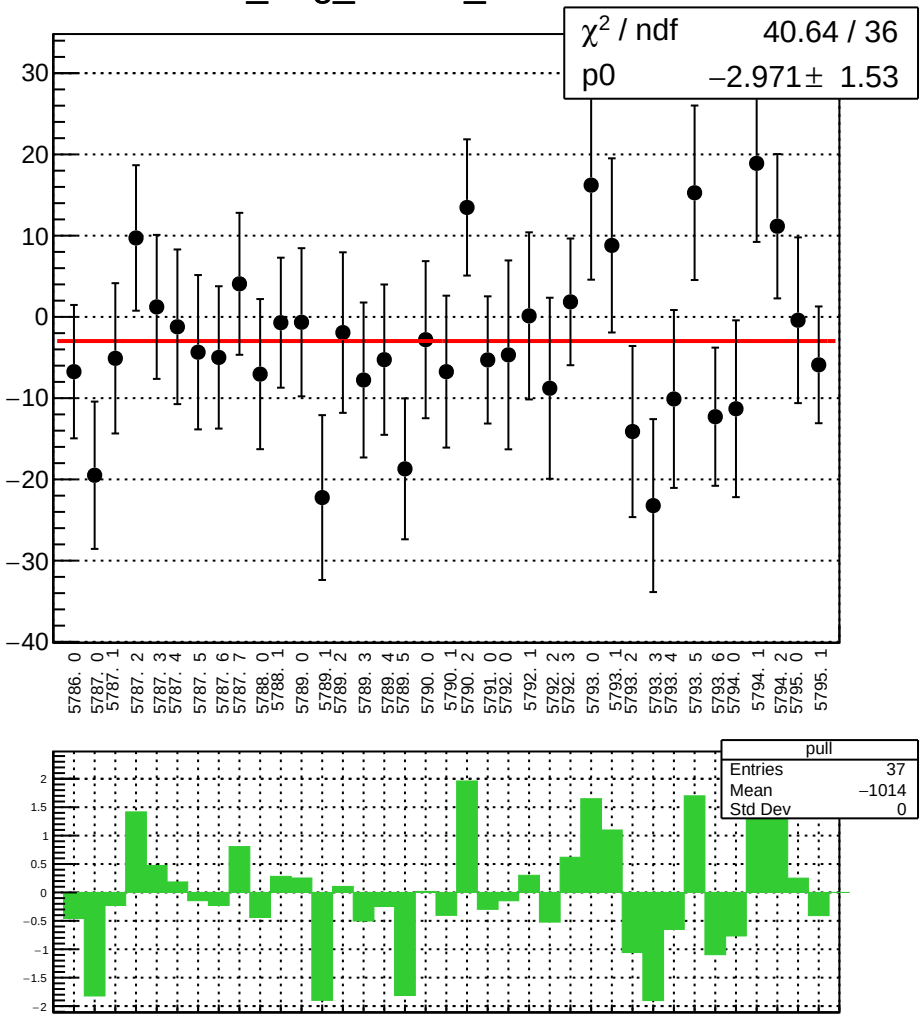

pull1D
Entries 37
Mean −0.001446
Std Dev 1.077

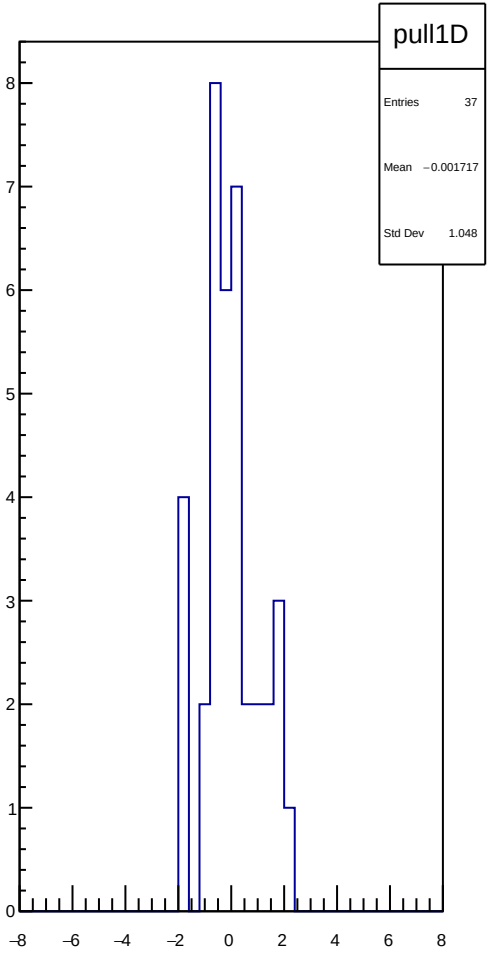

diff_targ_positionX_rms vs run
χ² / ndf 4876 / 36
p0 1.051e+04 ± 12.15
12500
12000
11500
11000
10500
10000
9500
9000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

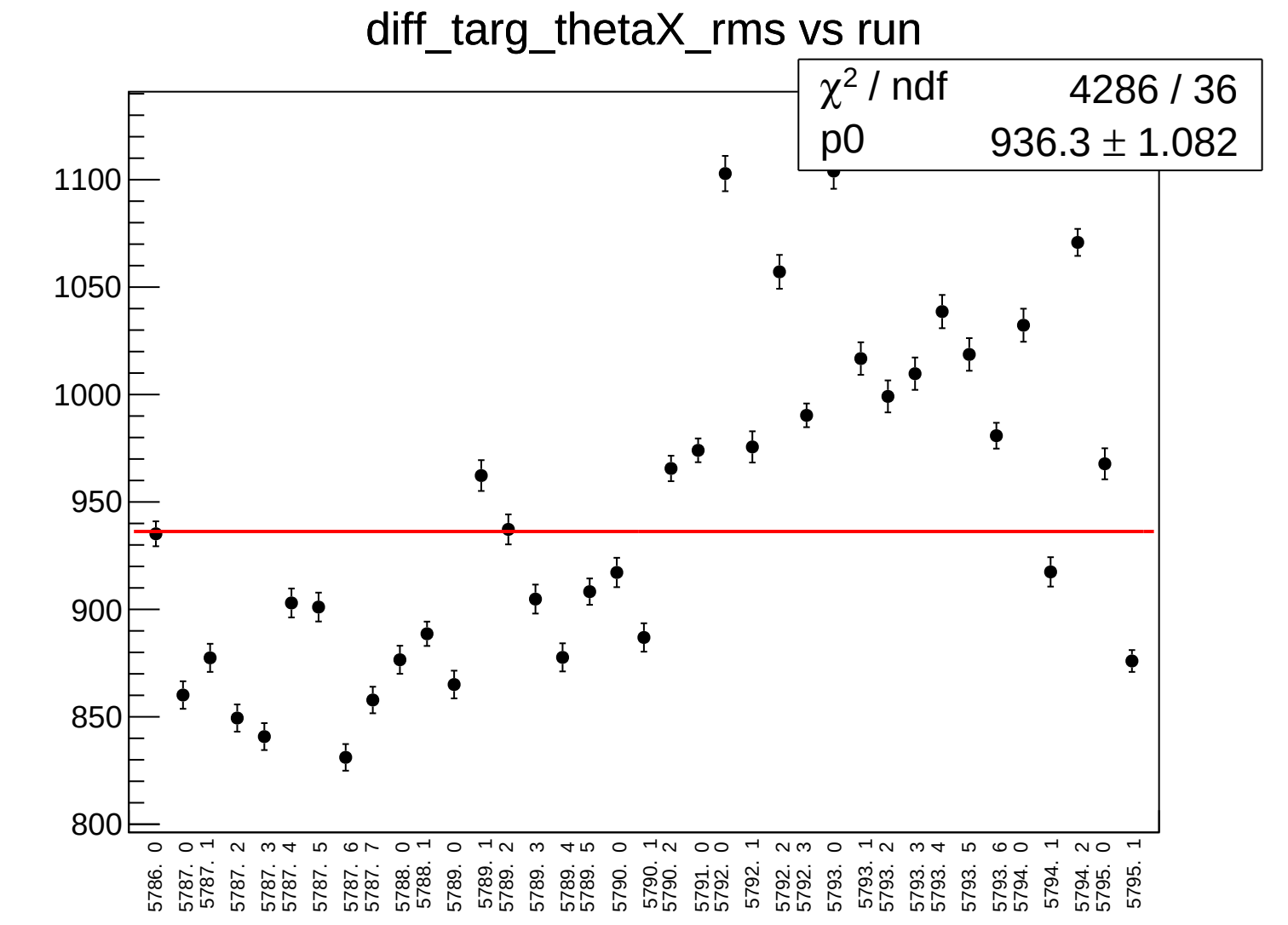

diff_targ_positionY_mean vs run
χ² / ndf 42.02 / 36
p0 −9.47 ± 16.43
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.4
Std Dev 3.794
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

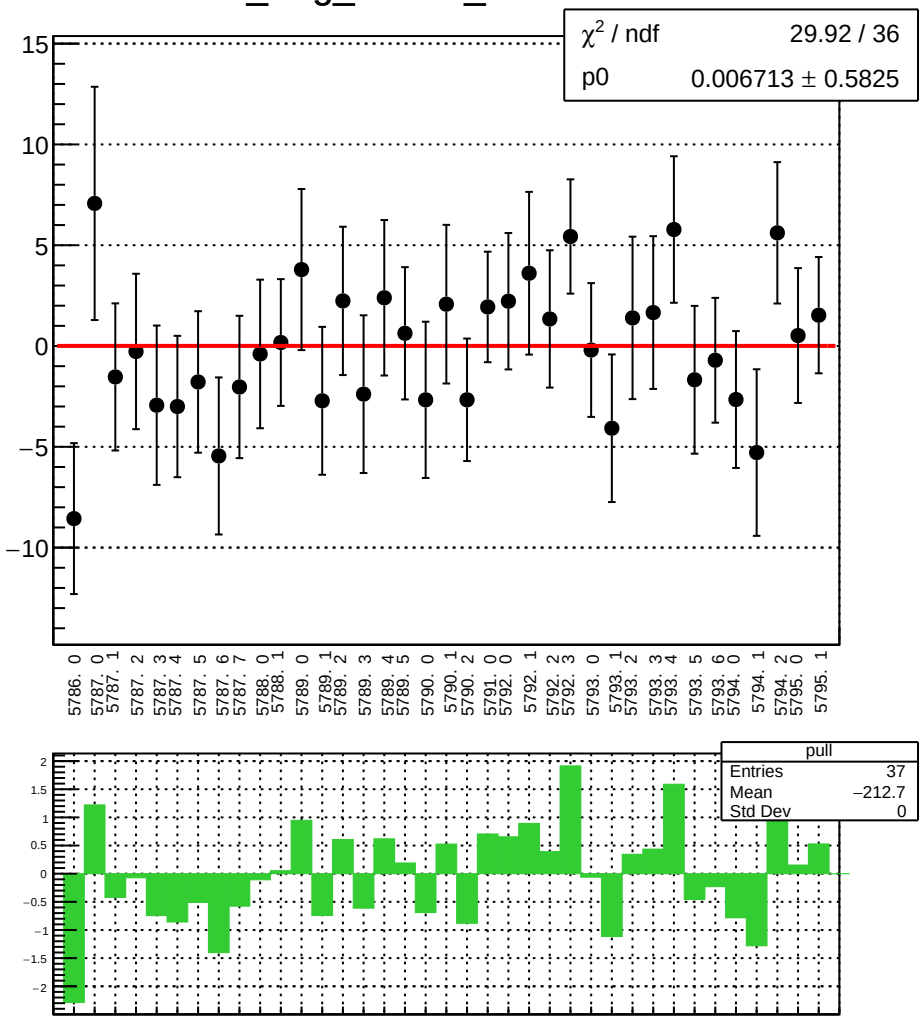

pull1D
Entries 37
Mean 0.04042
Std Dev 1.065
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

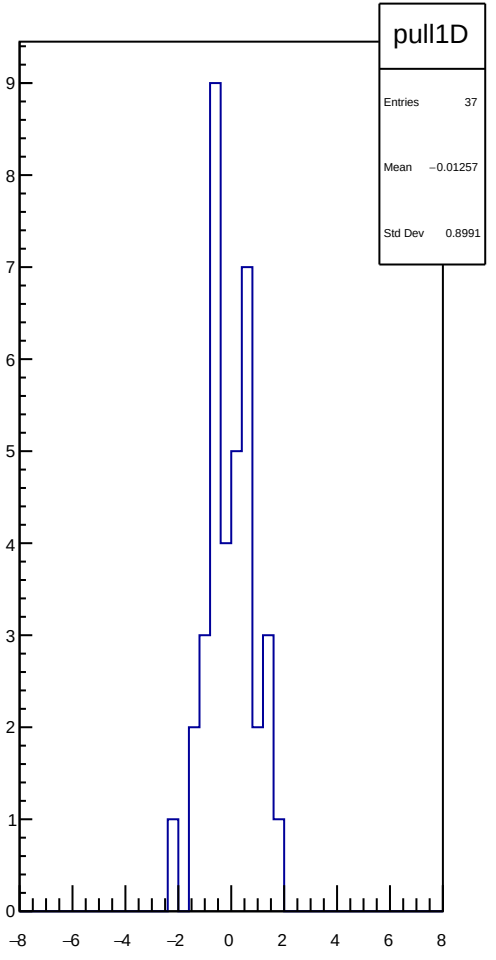

diff_targ_positionY_rms vs run
χ² / ndf 1998 / 36
p0 1.007e+04 ± 11.62
11500
11000
10500
10000
9500
9000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

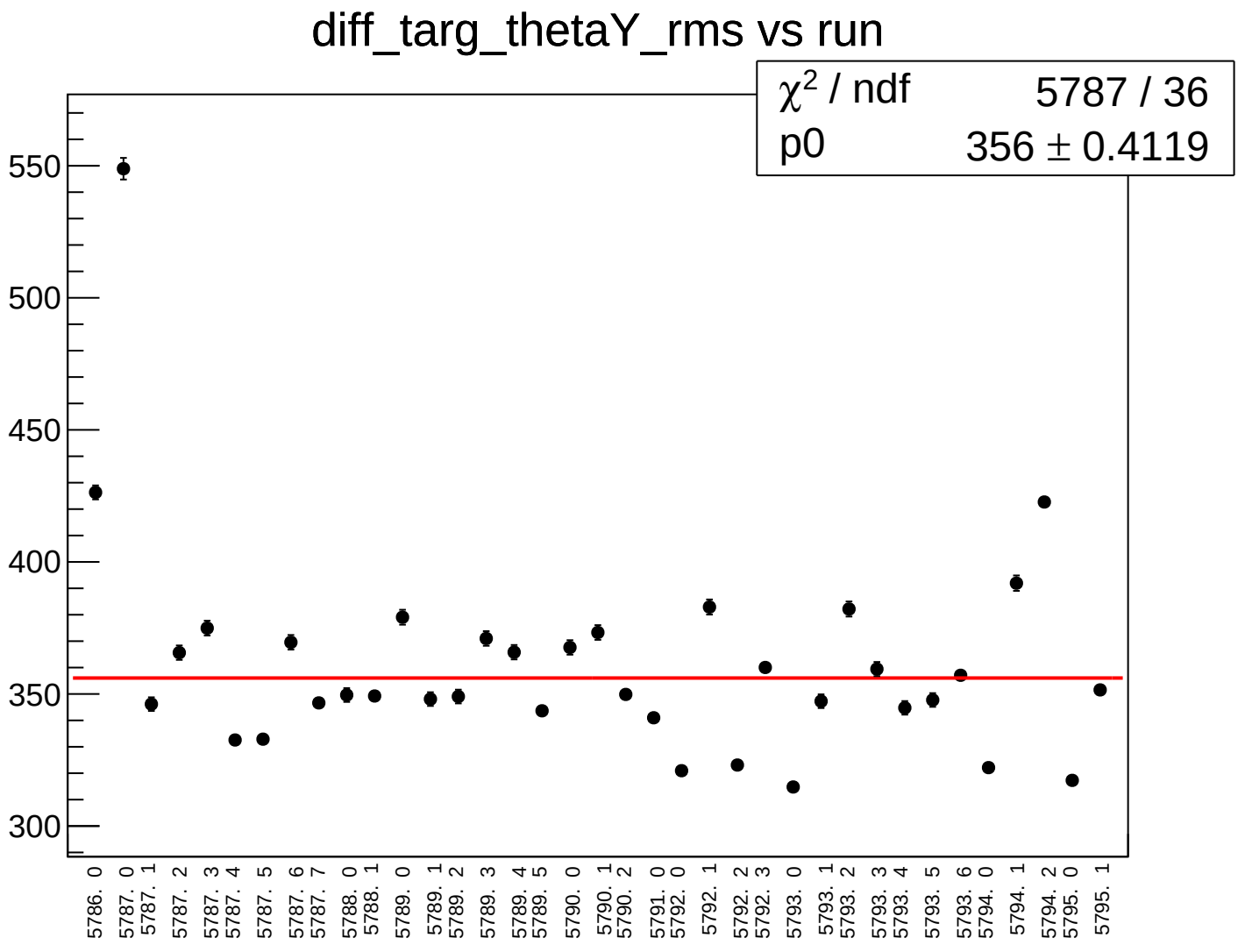

diff_targ_thetaX_mean vs run
χ² / ndf 40.64 / 36
p0 −2.971± 1.53
30
20
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1014
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

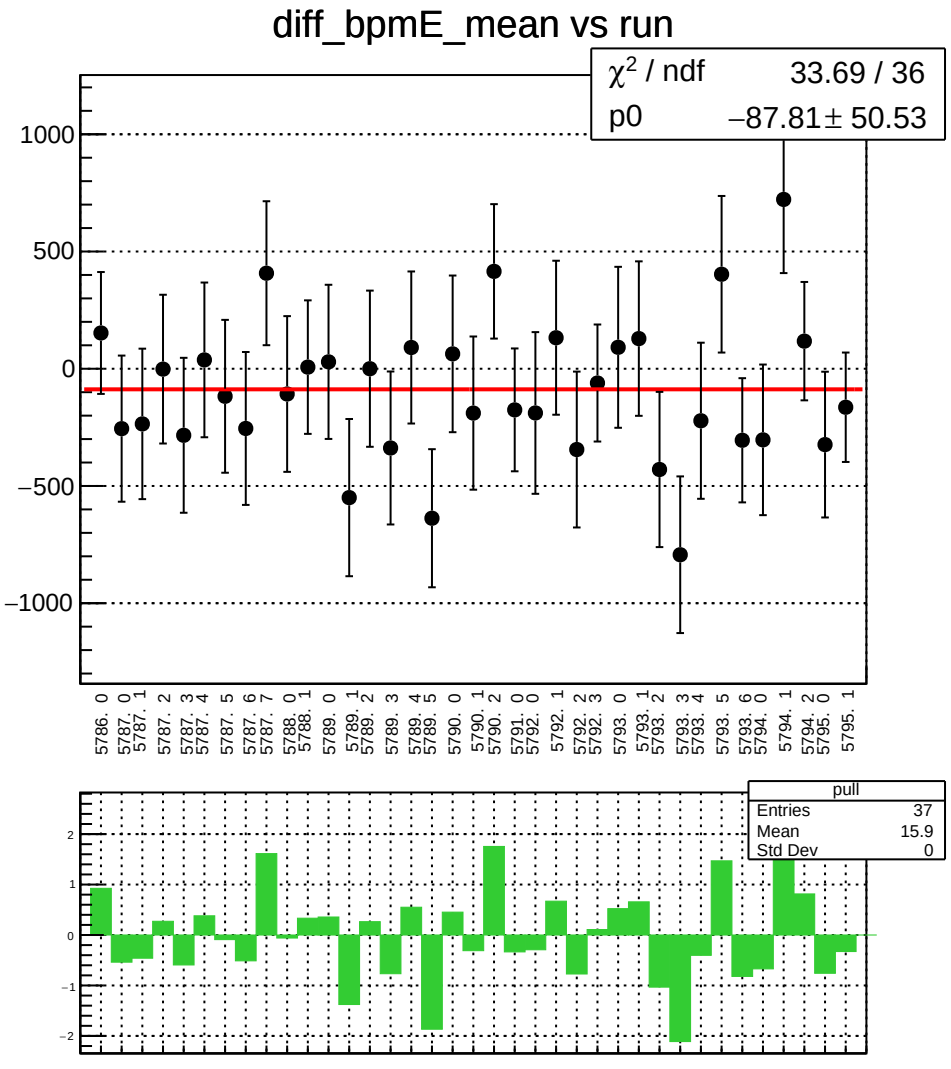

pull1D
Entries 37
Mean −0.001717
Std Dev 1.048
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

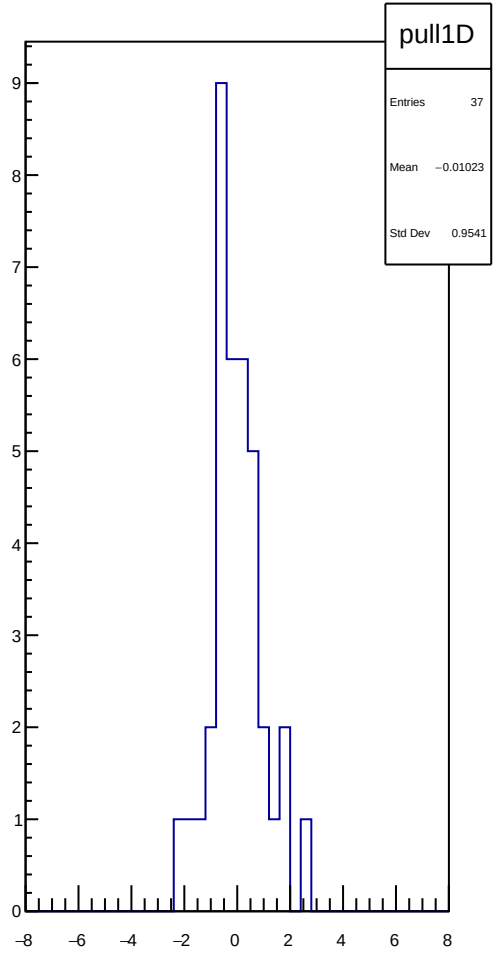

diff_targ_thetaX_rms vs run
χ² / ndf 4286 / 36
p0 936.3 ± 1.082
1100
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

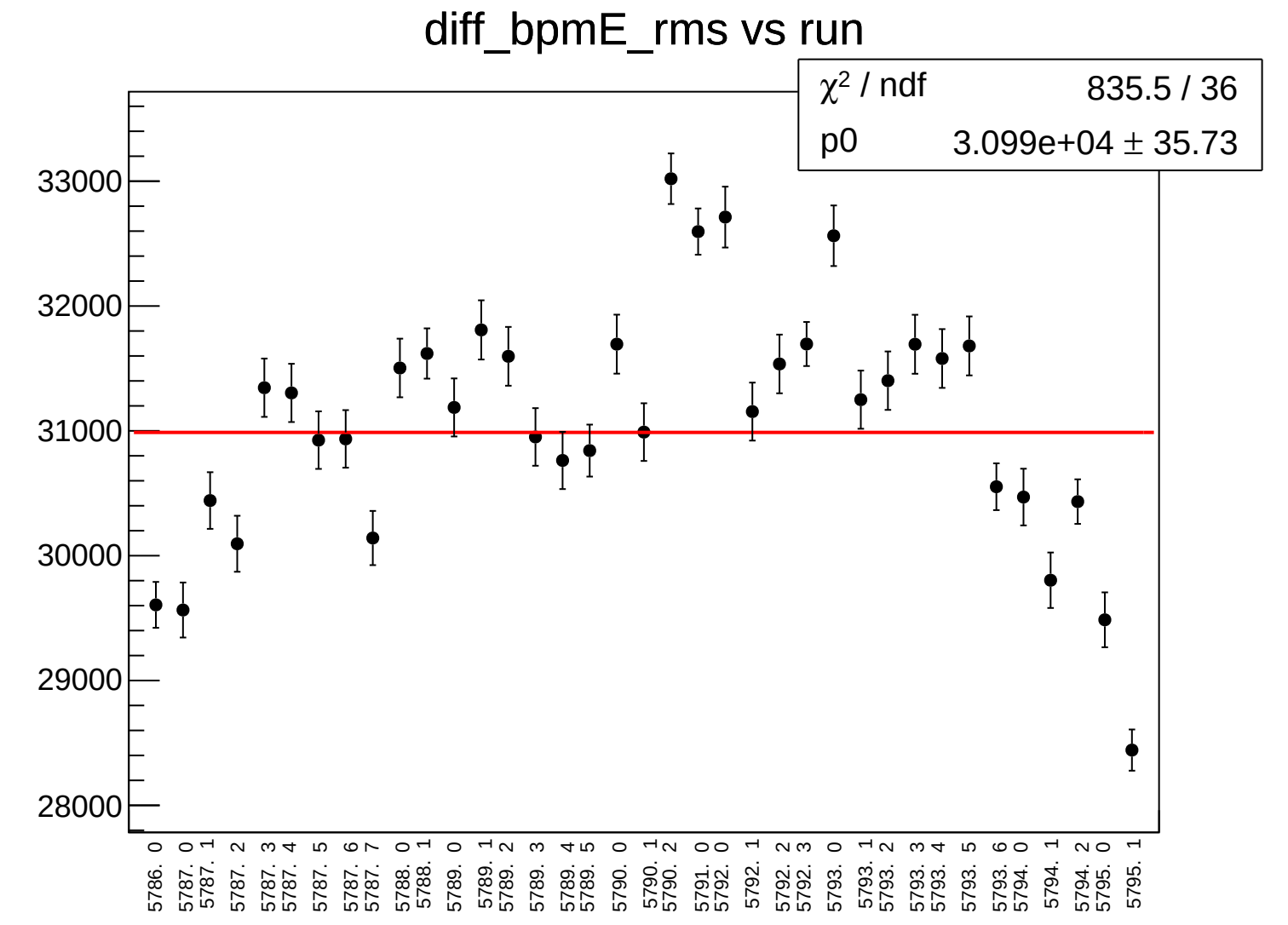

diff_targ_thetaY_mean vs run
χ² / ndf 29.92 / 36
p0 0.006713 ± 0.5825
15
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −212.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

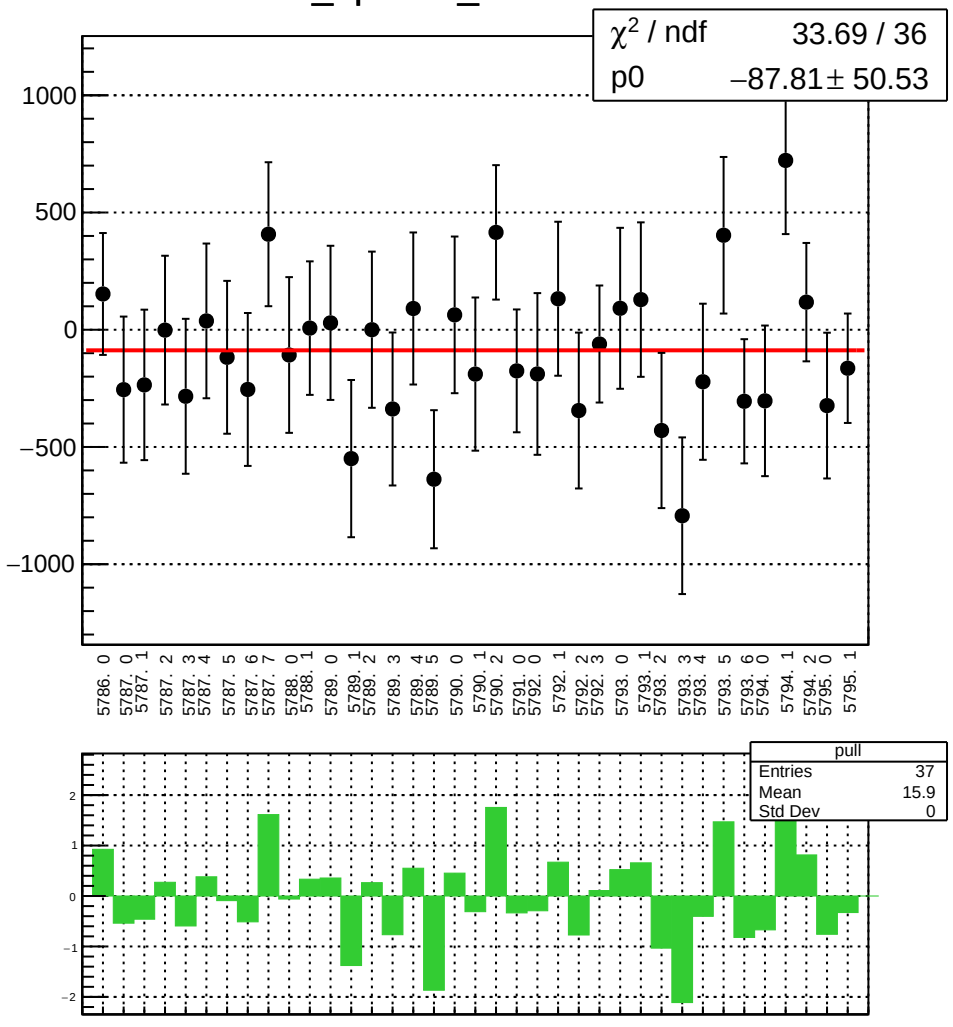

pull1D
Entries 37
Mean −0.01257
Std Dev 0.8991
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

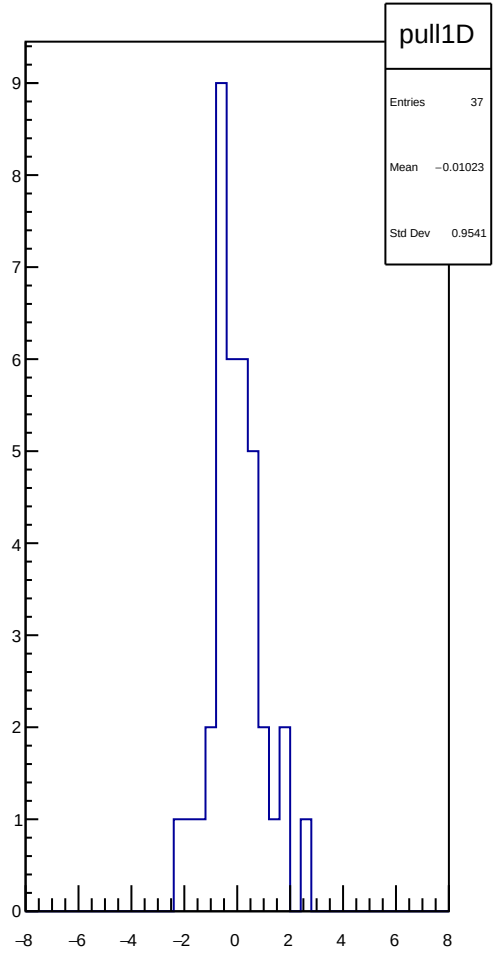

diff_targ_thetaY_rms vs run
χ² / ndf 5787 / 36
p0 356 ± 0.4119
550
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

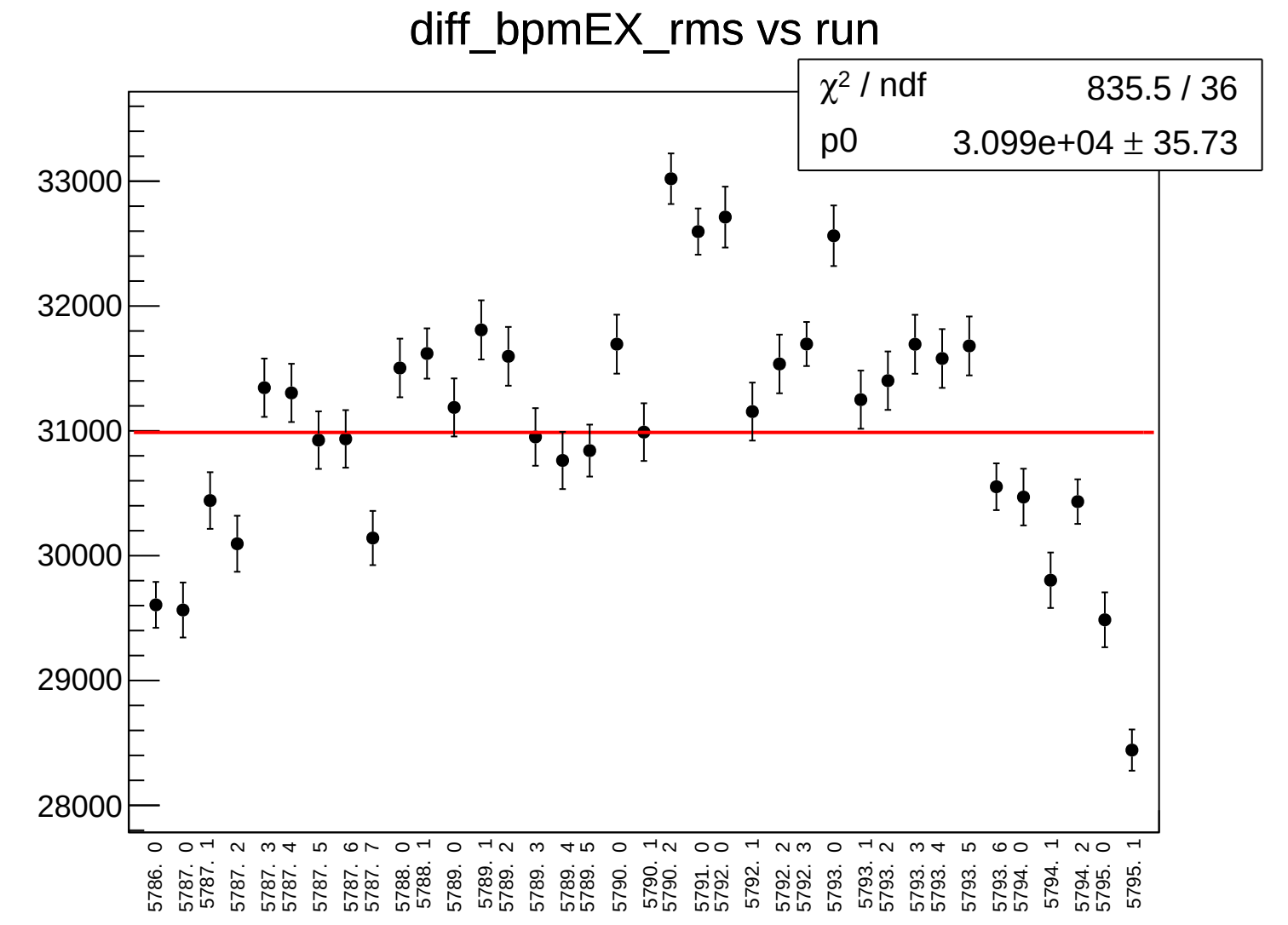

diff_bpmE_mean vs run
χ² / ndf 33.69 / 36
p0 −87.81 ± 50.53
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.9
Std Dev 0
2
1
0
−1
−2

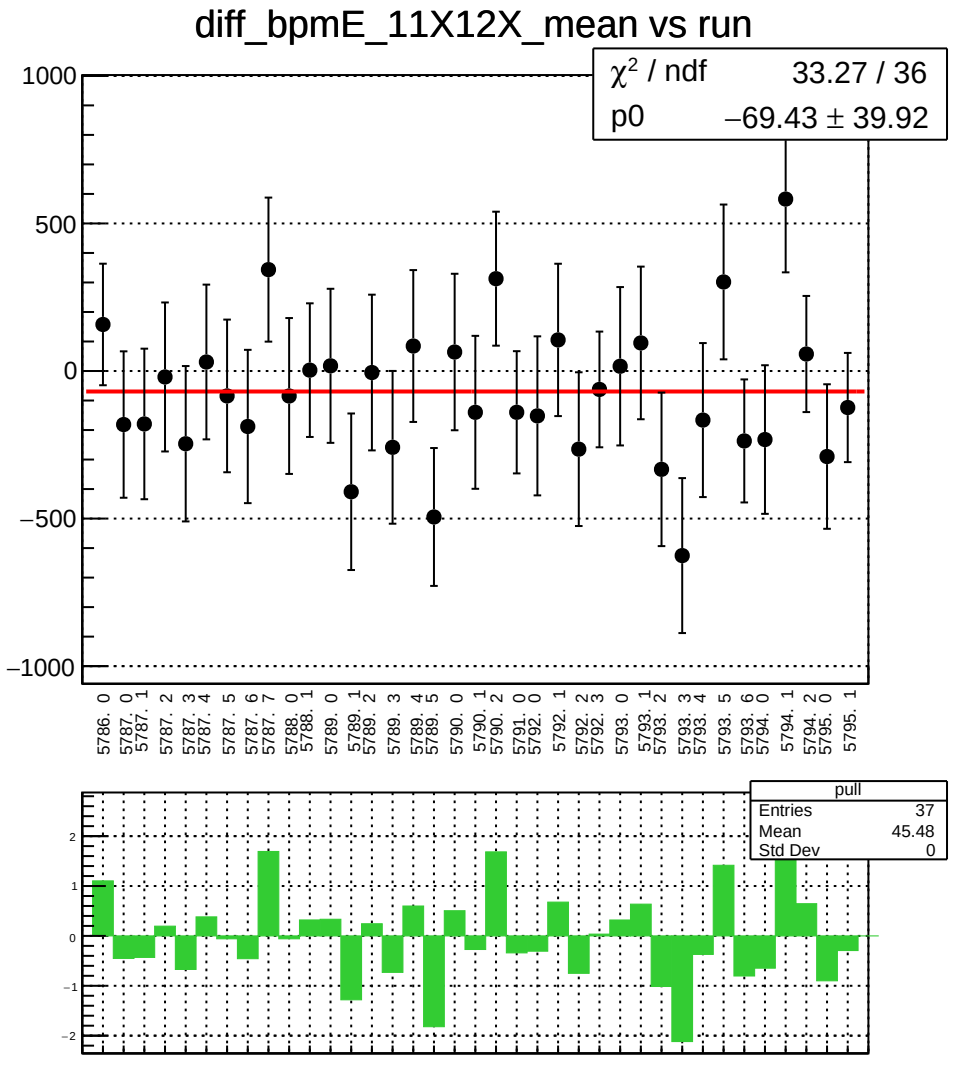

pull1D
Entries 37
Mean −0.01023
Std Dev 0.9541
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

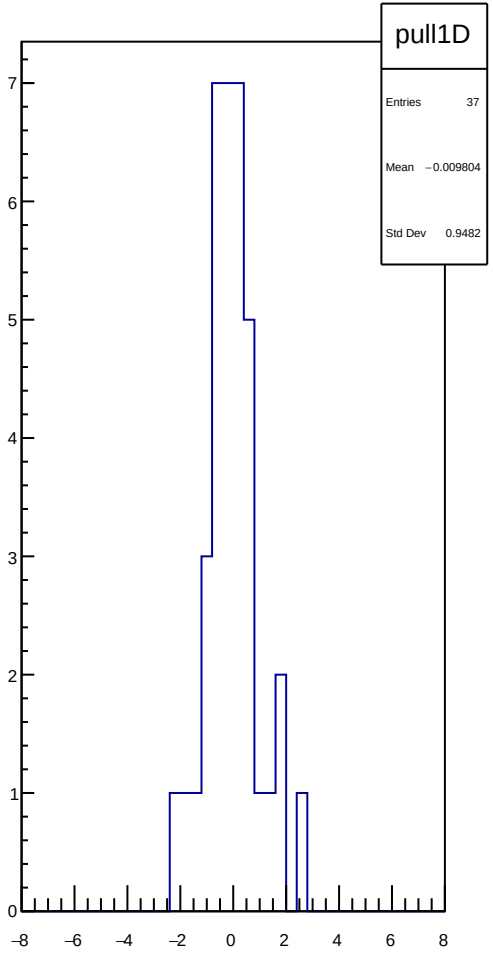

diff_bpmE_rms vs run
χ² / ndf 835.5 / 36
p0 3.099e+04 ± 35.73
33000
32000
31000
30000
29000
28000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

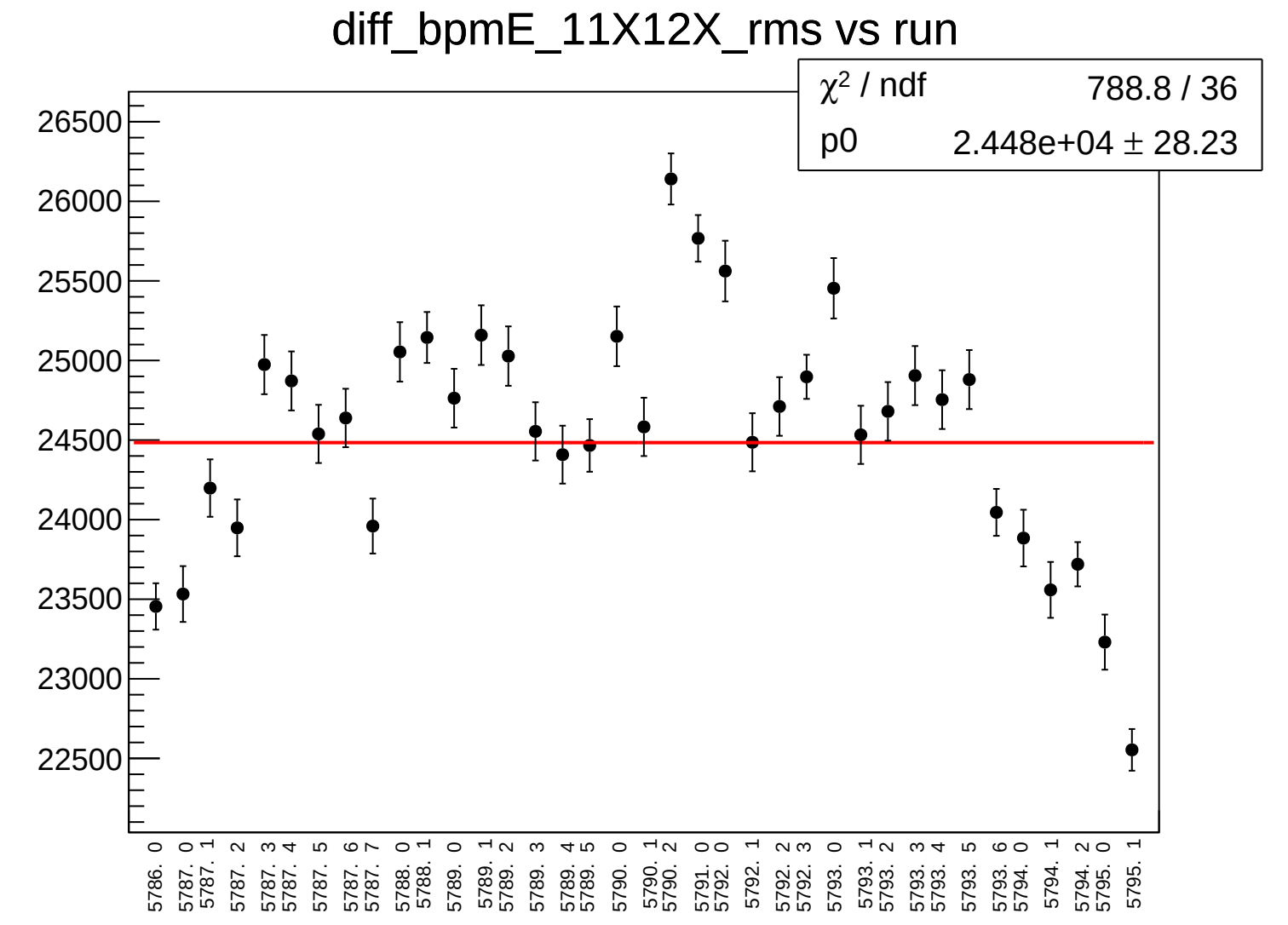

diff_bpmEX_mean vs run
χ² / ndf 33.69 / 36
p0 −87.81 ± 50.53
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.9
Std Dev 0
2
1
0
−1
−2

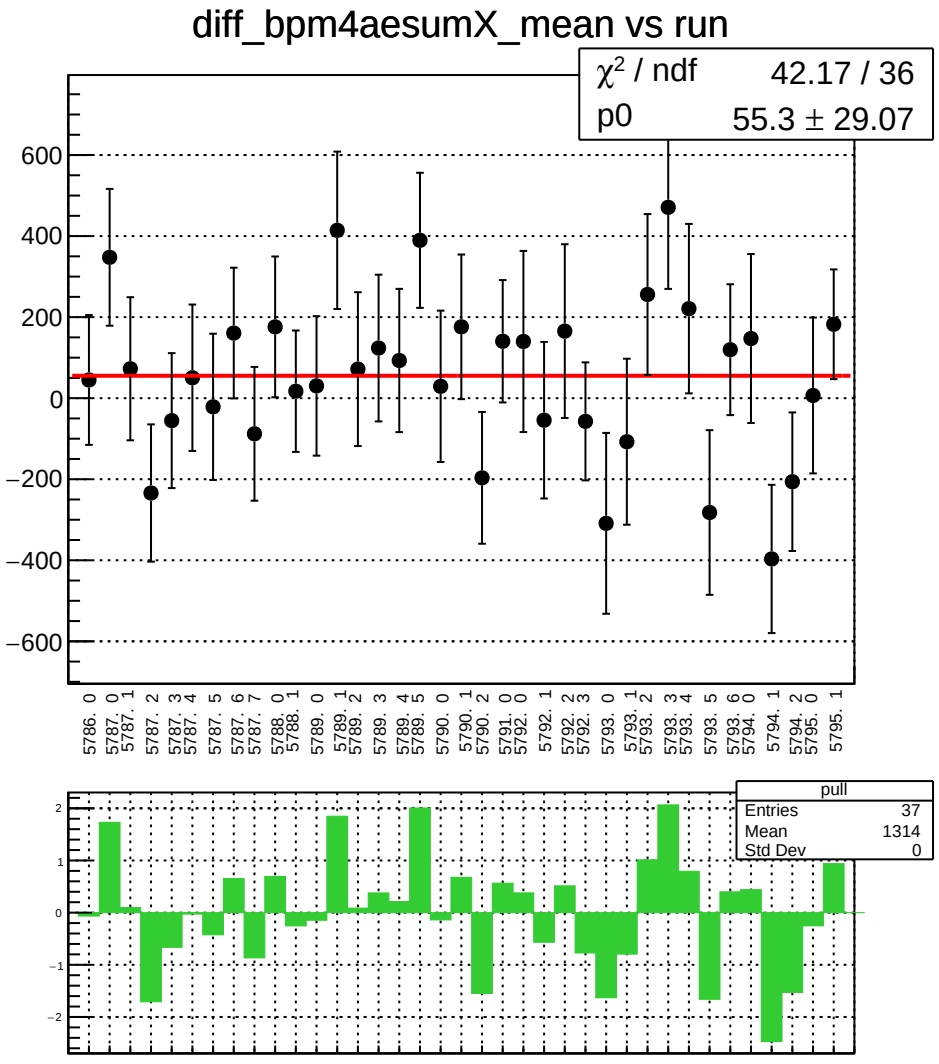

pull1D
Entries 37
Mean −0.01023
Std Dev 0.9541
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

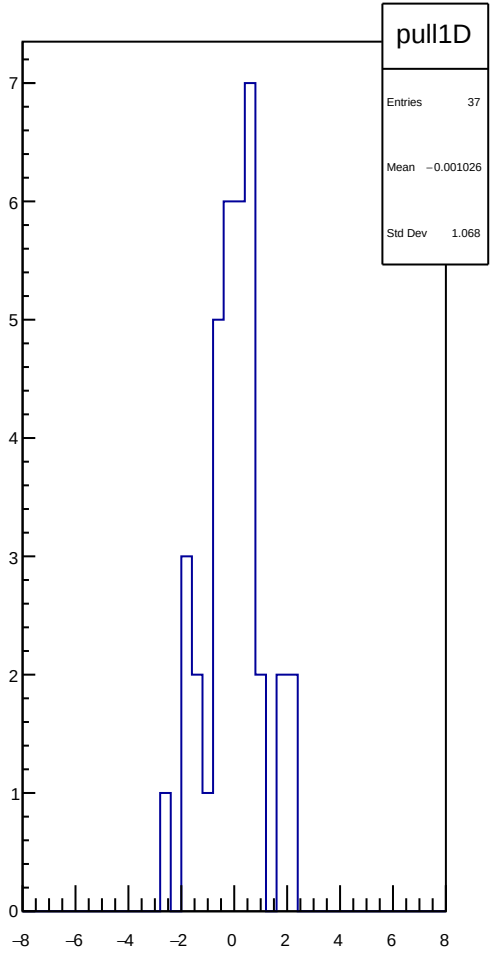

diff_bpmEX_rms vs run
χ² / ndf 835.5 / 36
p0 3.099e+04 ± 35.73
33000
32000
31000
30000
29000
28000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

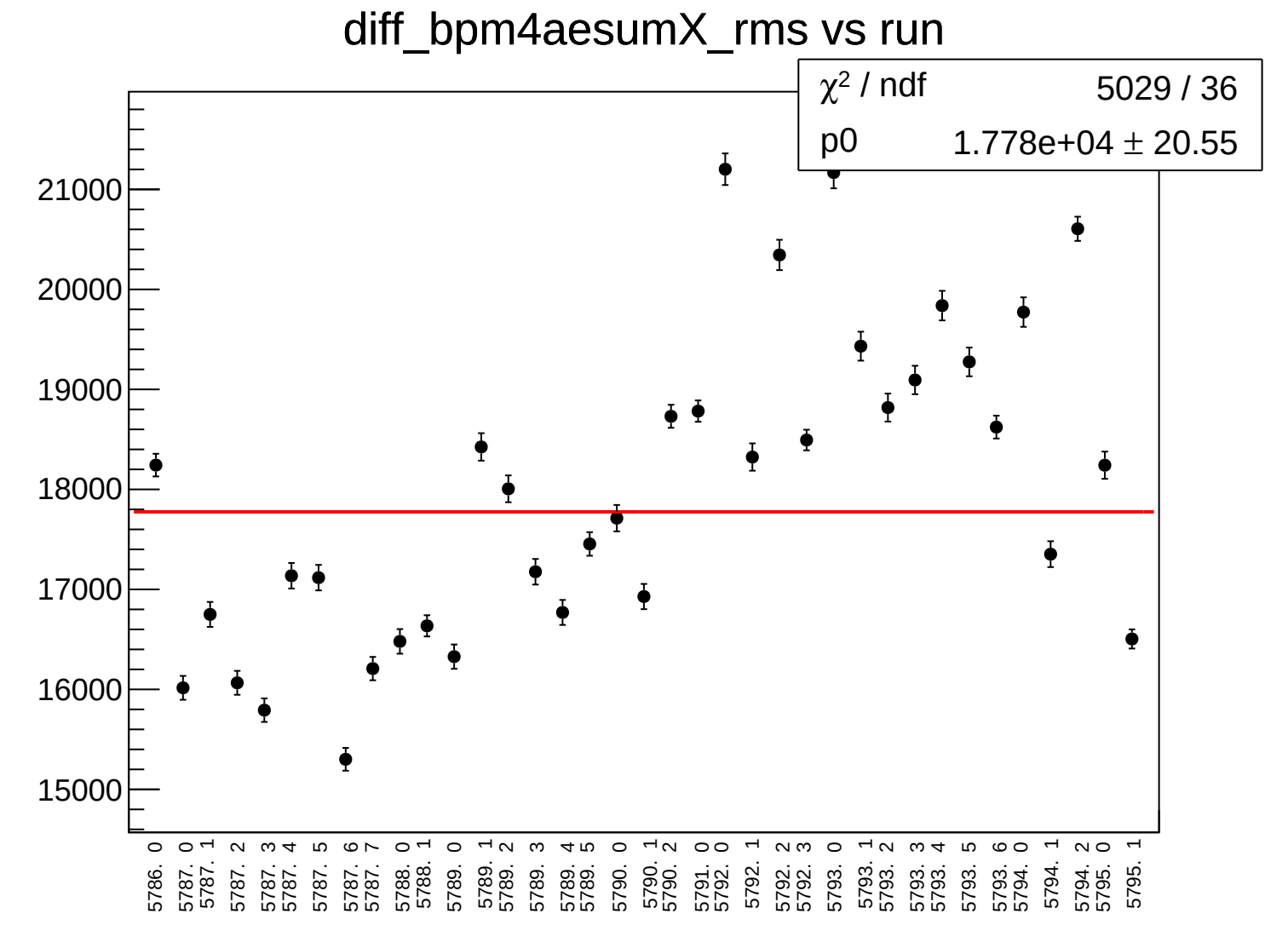

diff_bpmE_11X12X_mean vs run
χ² / ndf 33.27 / 36
p0 −69.43 ± 39.92
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 45.48
Std Dev 0
2
1
0
−1
−2

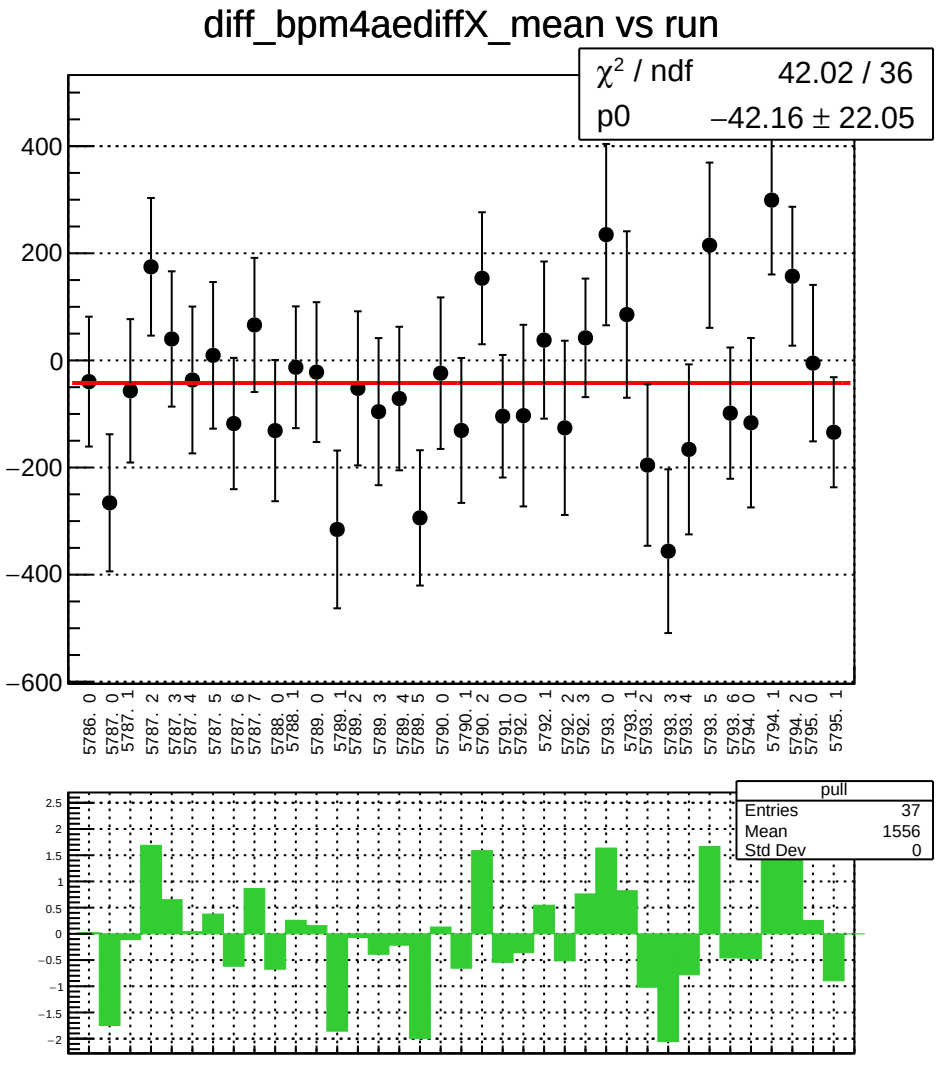

pull1D
Entries 37
Mean −0.009804
Std Dev 0.9482
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

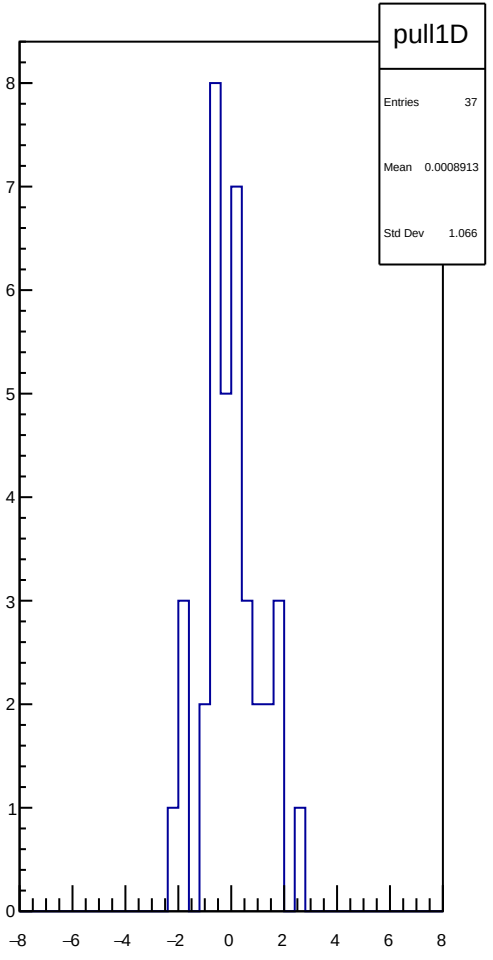

diff_bpmE_11X12X_rms vs run
χ² / ndf 788.8 / 36
p0 2.448e+04 ± 28.23
26500
26000
25500
25000
24500
24000
23500
23000
22500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

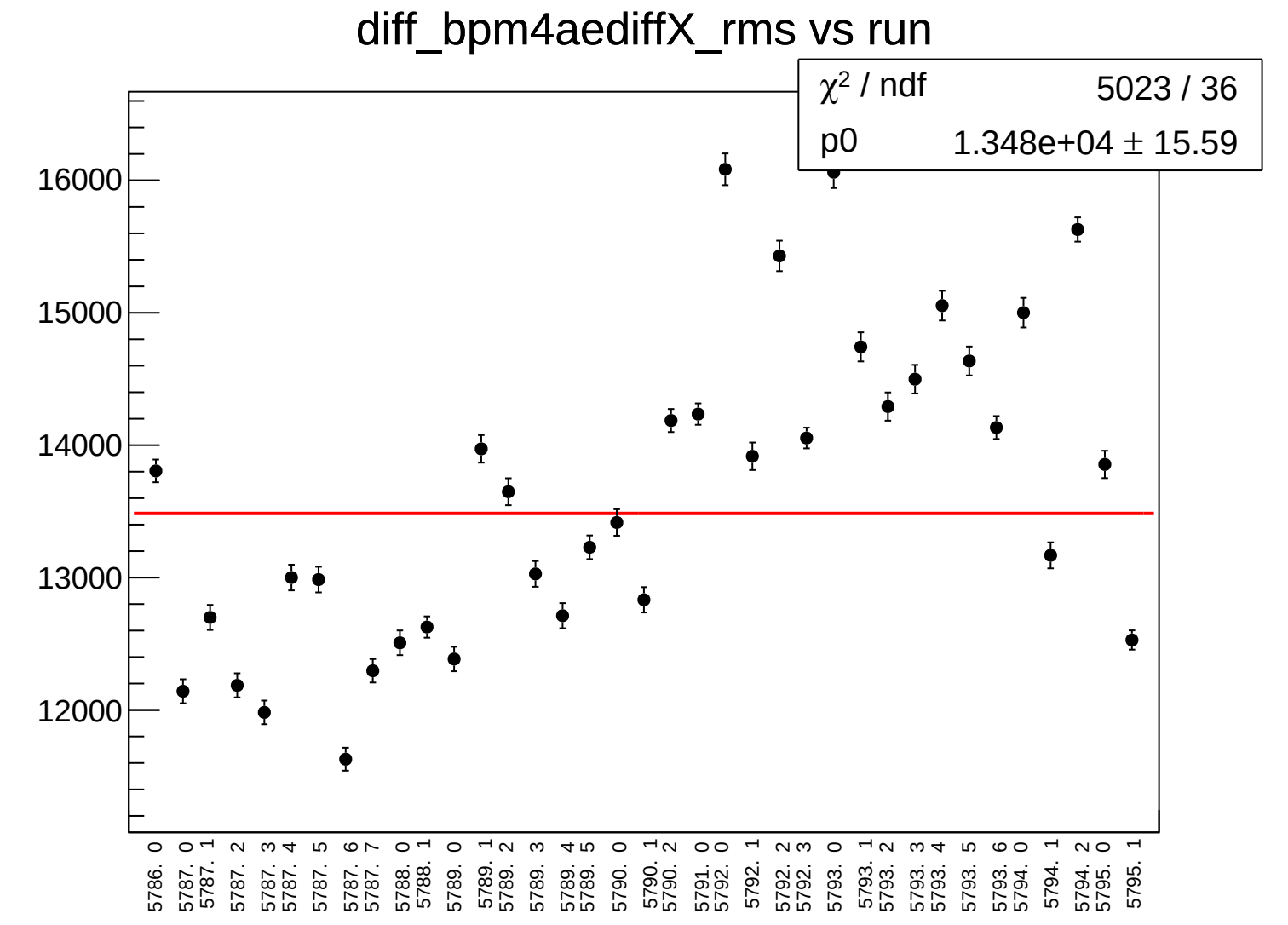

diff_bpm4aesumX_mean vs run
χ² / ndf 42.17 / 36
p0 55.3 ± 29.07
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1314
Std Dev 0
2
1
0
−1
−2

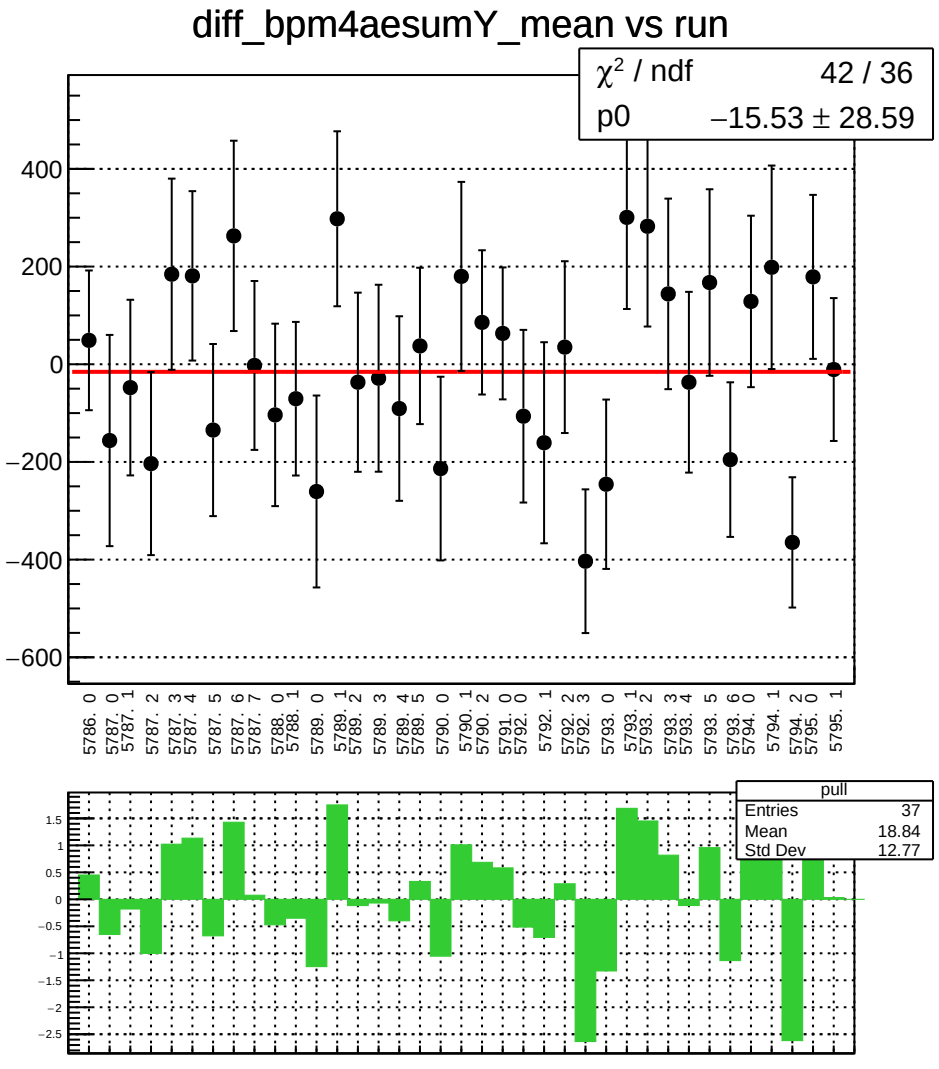

pull1D
Entries 37
Mean −0.001026
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

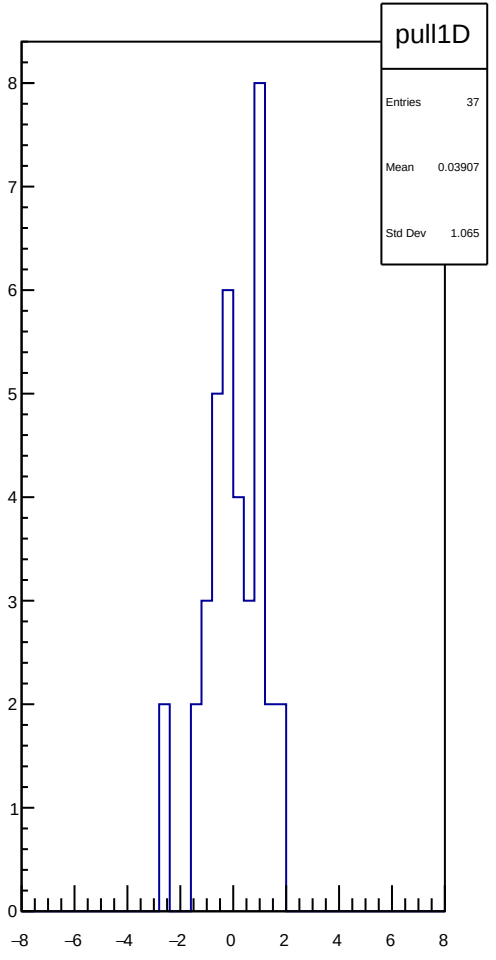

diff_bpm4aesumX_rms vs run
χ² / ndf 5029 / 36
p0 1.778e+04 ± 20.55
21000
20000
19000
18000
17000
16000
15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

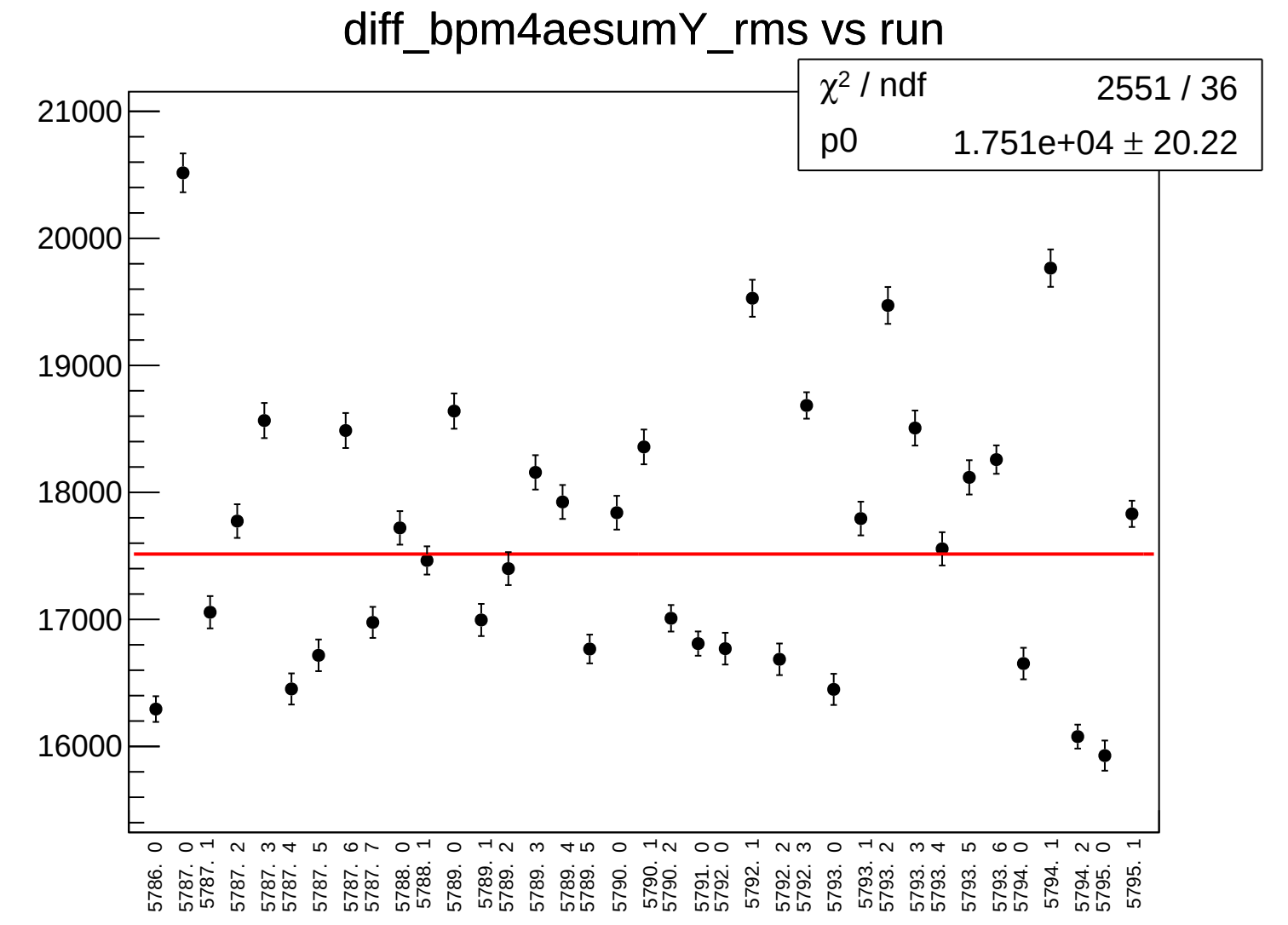

diff_bpm4aediffX_mean vs run
χ² / ndf 42.02 / 36
p0 −42.16 ± 22.05
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1556
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

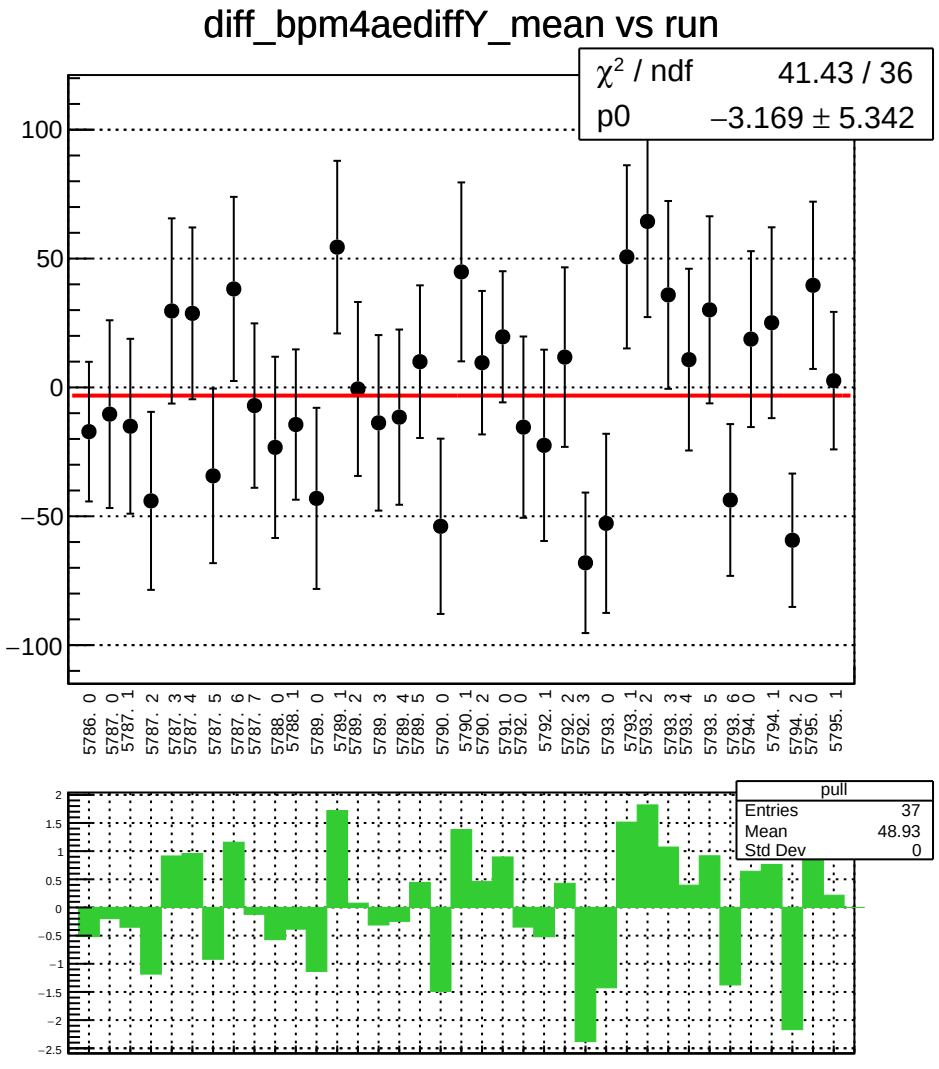

pull1D
Entries 37
Mean 0.0008913
Std Dev 1.066
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

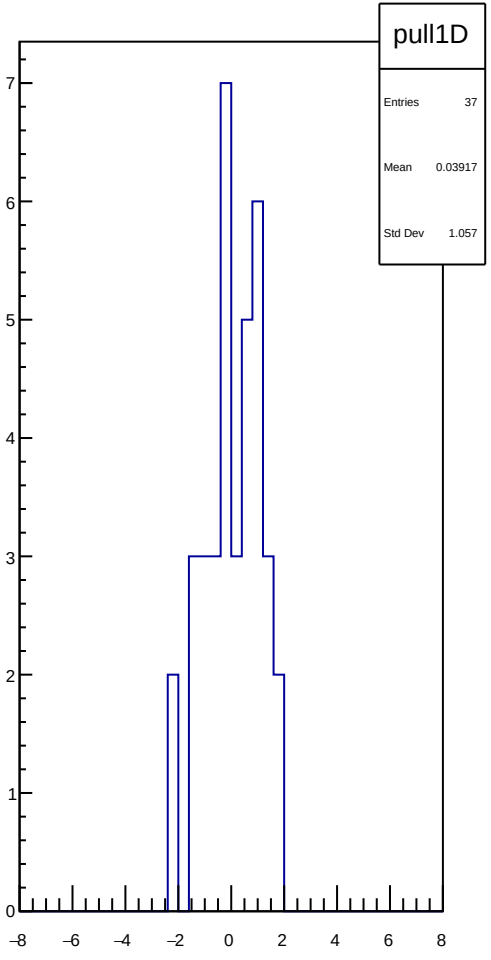

diff_bpm4aediffX_rms vs run
χ² / ndf 5023 / 36
p0 1.348e+04 ± 15.59
16000
15000
14000
13000
12000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

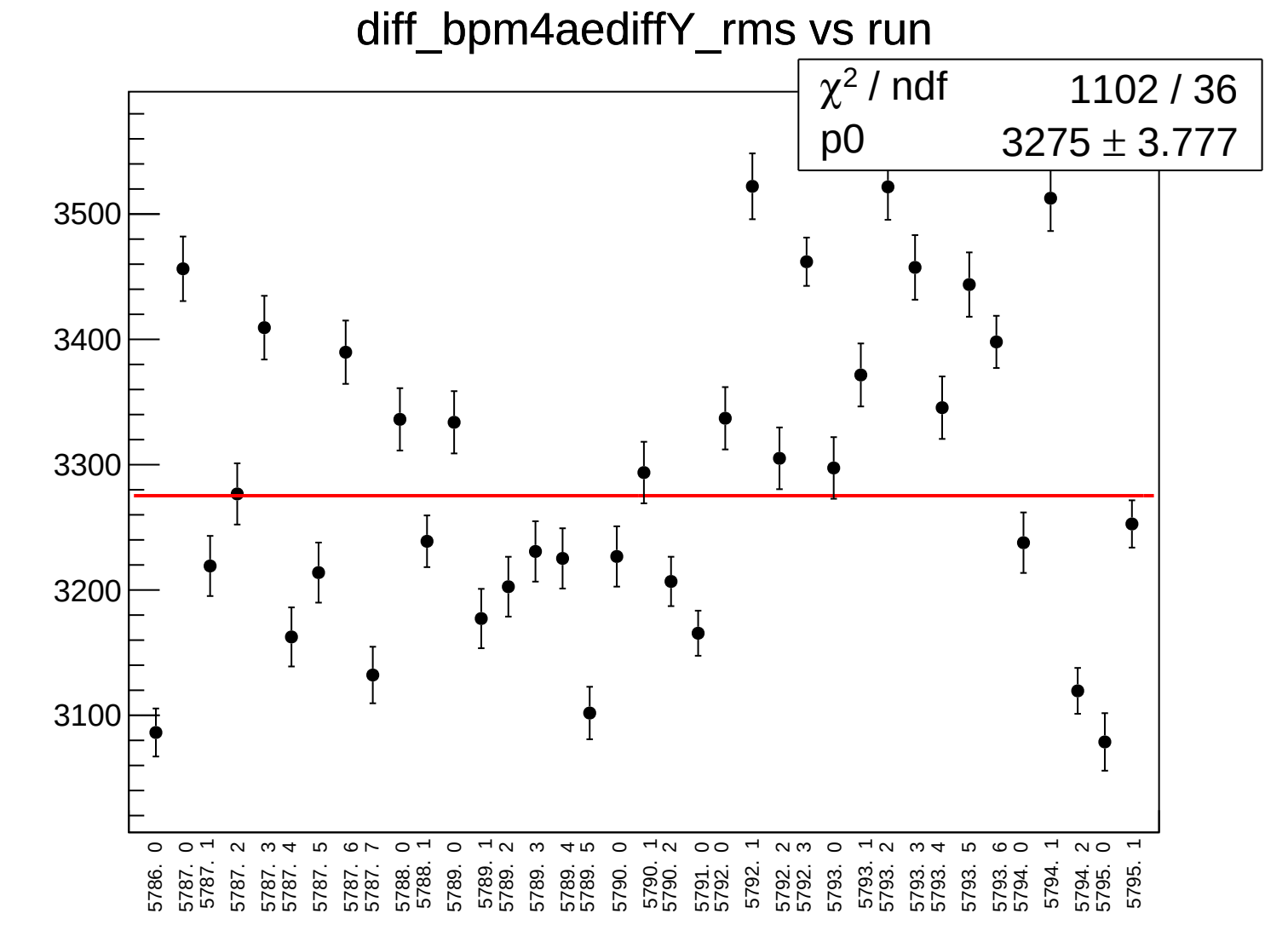

diff_bpm4aesumY_mean vs run
χ² / ndf 42 / 36
p0 −15.53 ± 28.59
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.84
Std Dev 12.77
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

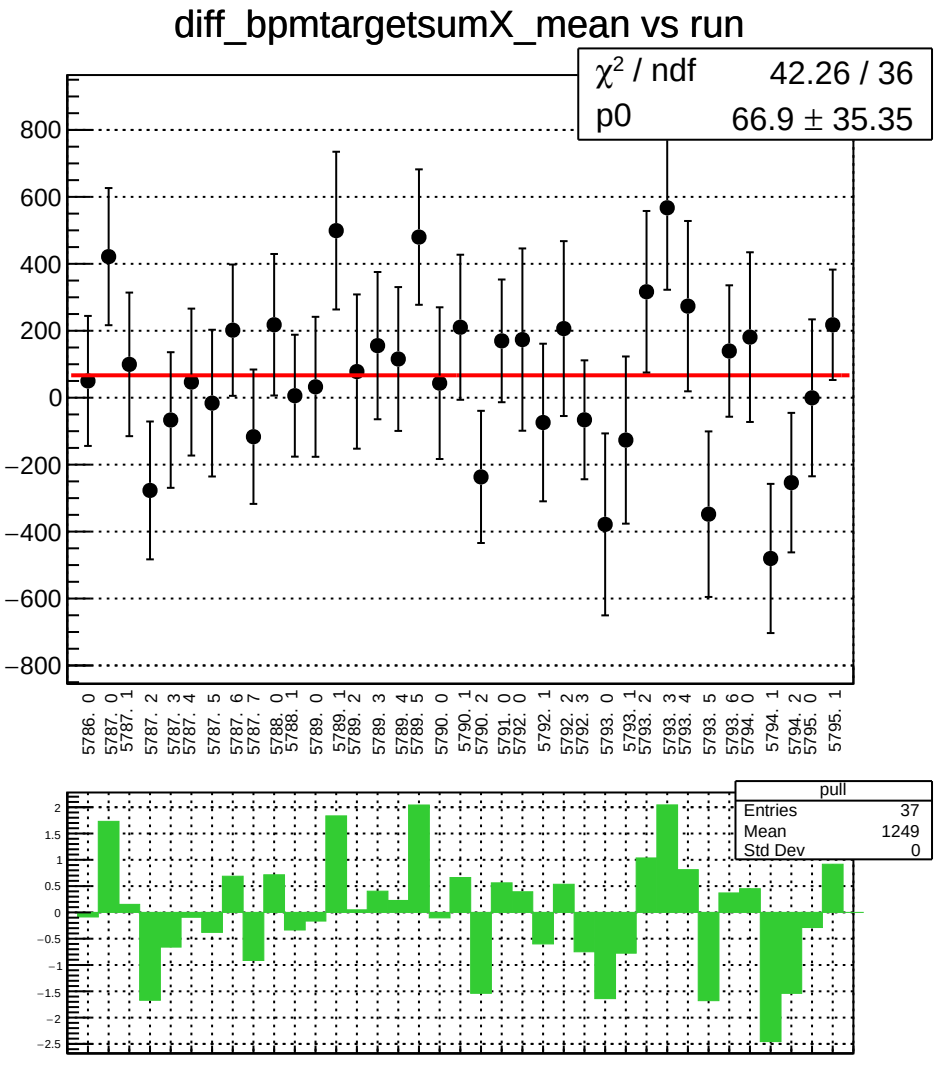

pull1D
Entries 37
Mean 0.03907
Std Dev 1.065
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

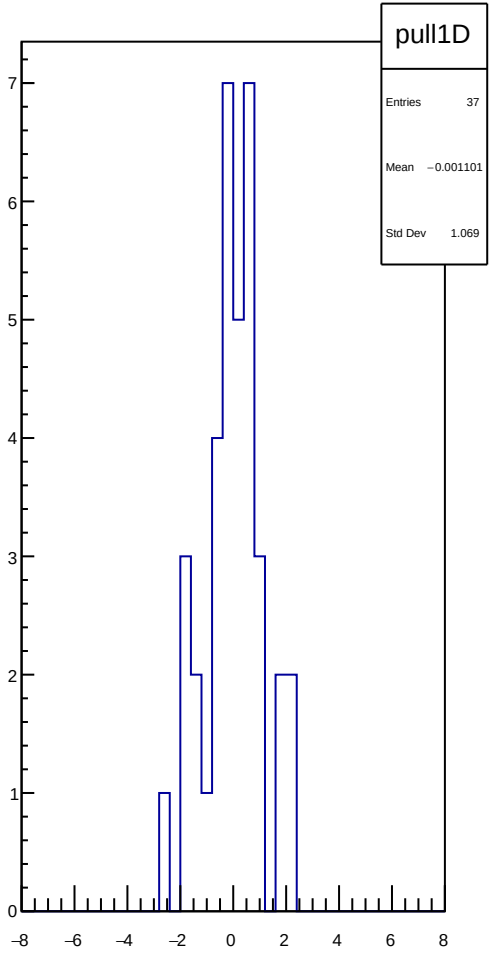

diff_bpm4aesumY_rms vs run
χ² / ndf 2551 / 36
p0 1.751e+04 ± 20.22
21000
20000
19000
18000
17000
16000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

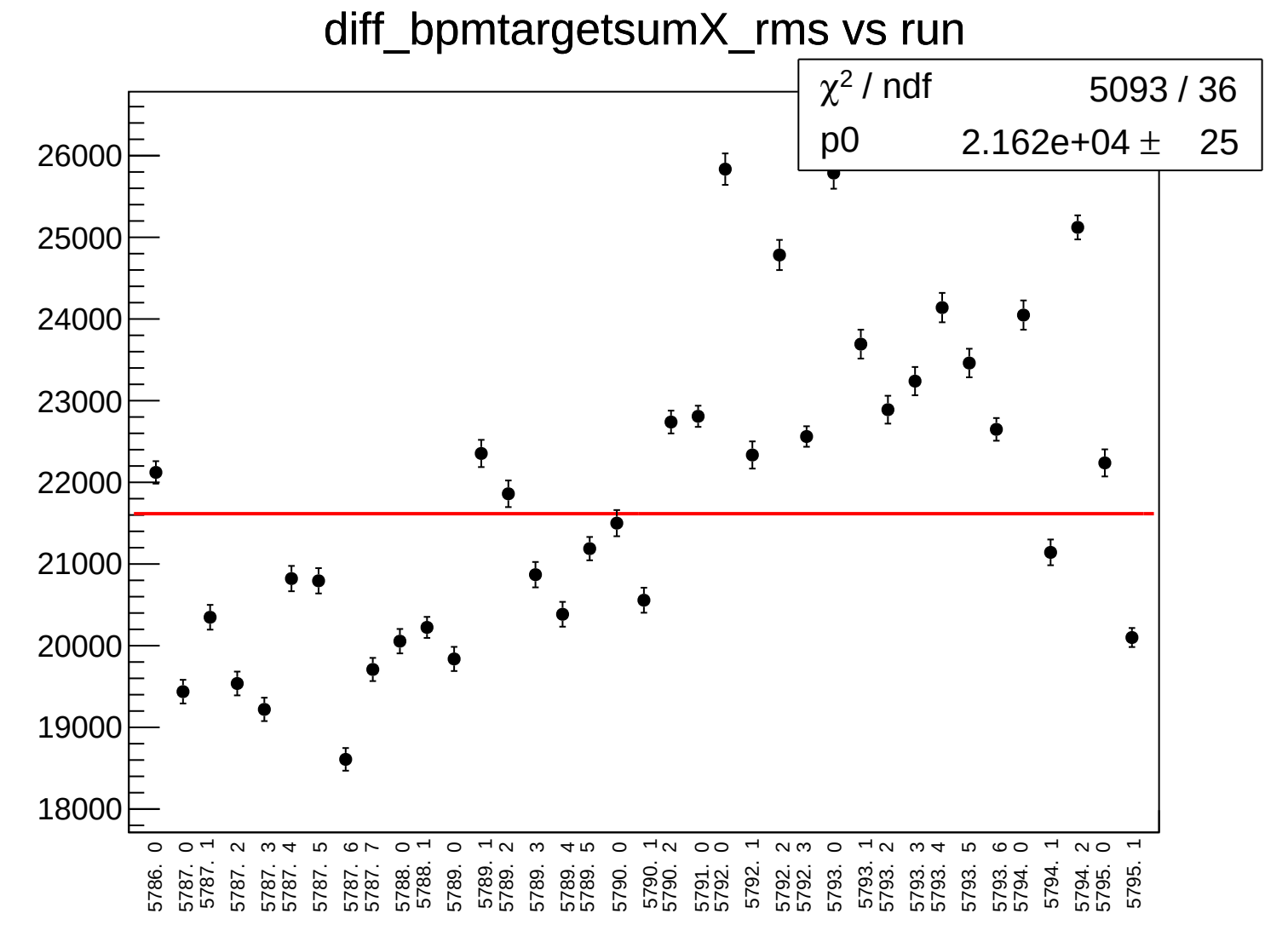

diff_bpm4aediffY_mean vs run
χ² / ndf 41.43 / 36
p0 −3.169 ± 5.342
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.93
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

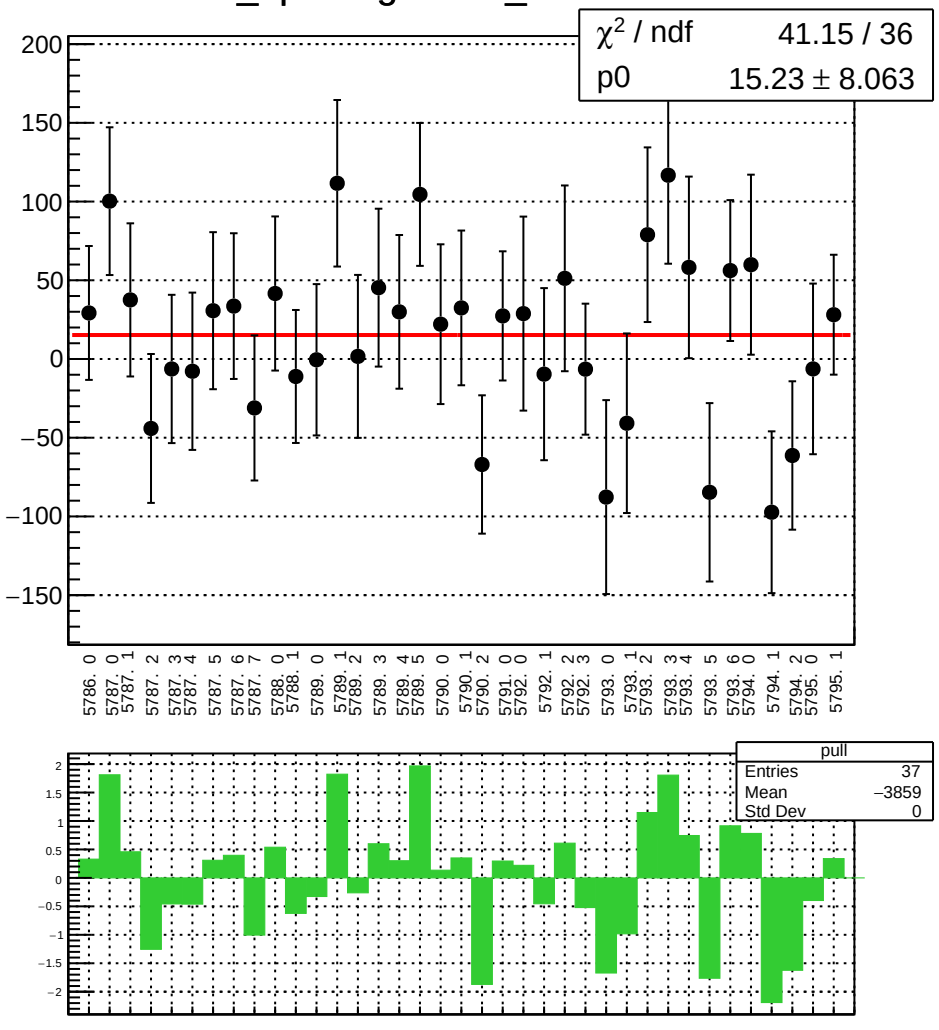

pull1D
Entries 37
Mean 0.03917
Std Dev 1.057
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

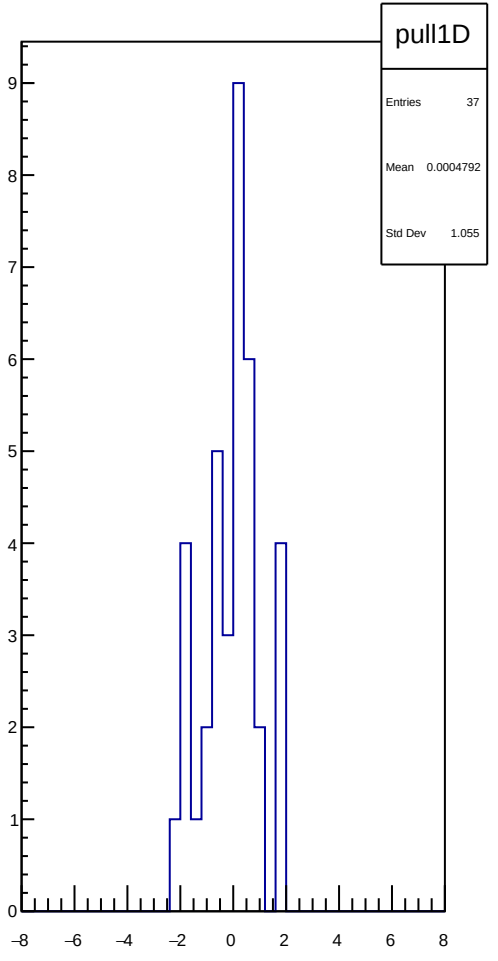

diff_bpm4aediffY_rms vs run
χ² / ndf 1102 / 36
p0 3275 ± 3.777
3500
3400
3300
3200
3100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

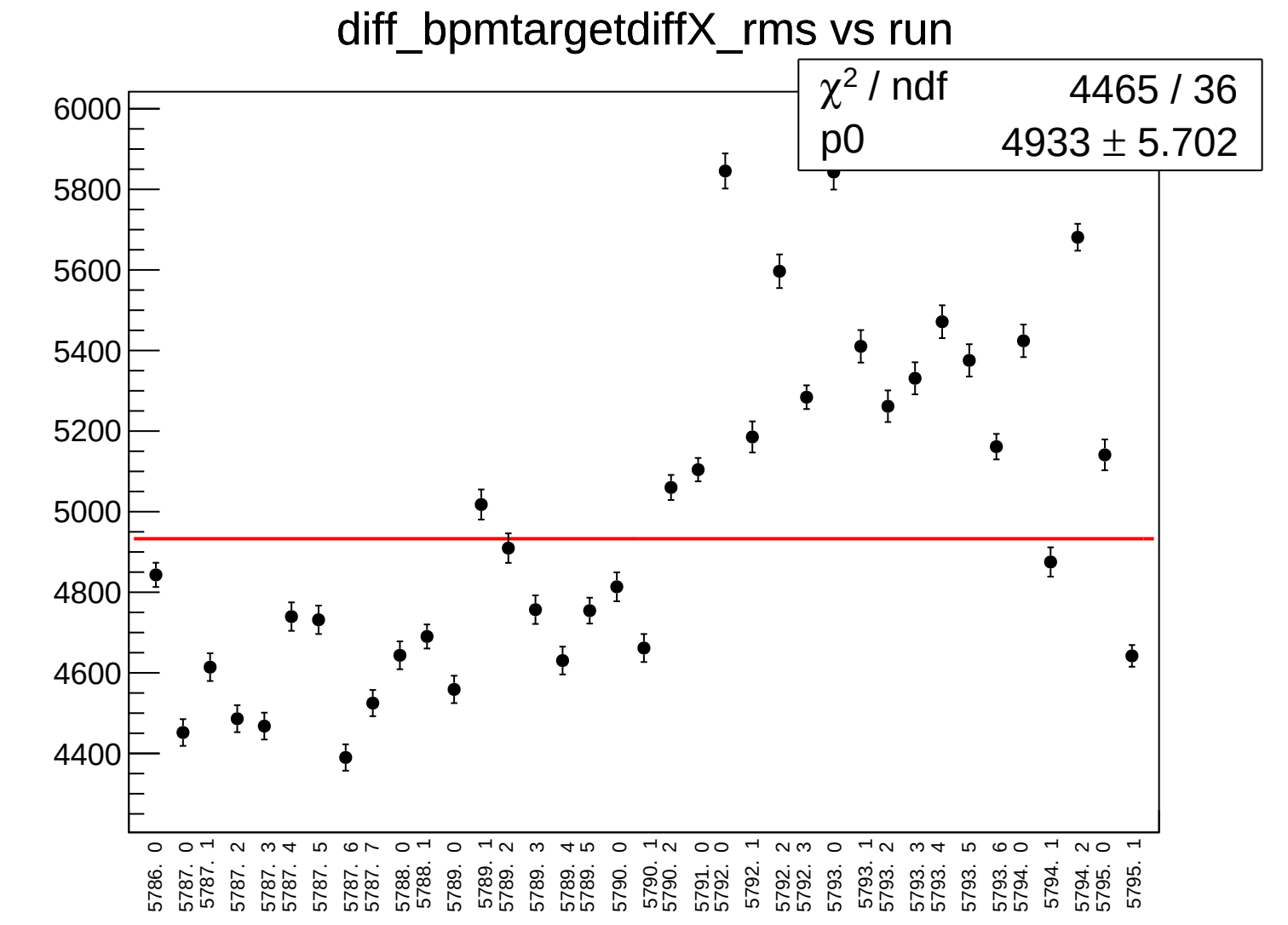

diff_bpmtargetsumX_mean vs run
χ² / ndf 42.26 / 36
p0 66.9 ± 35.35
pull
Entries 37
Mean 1249
Std Dev 0

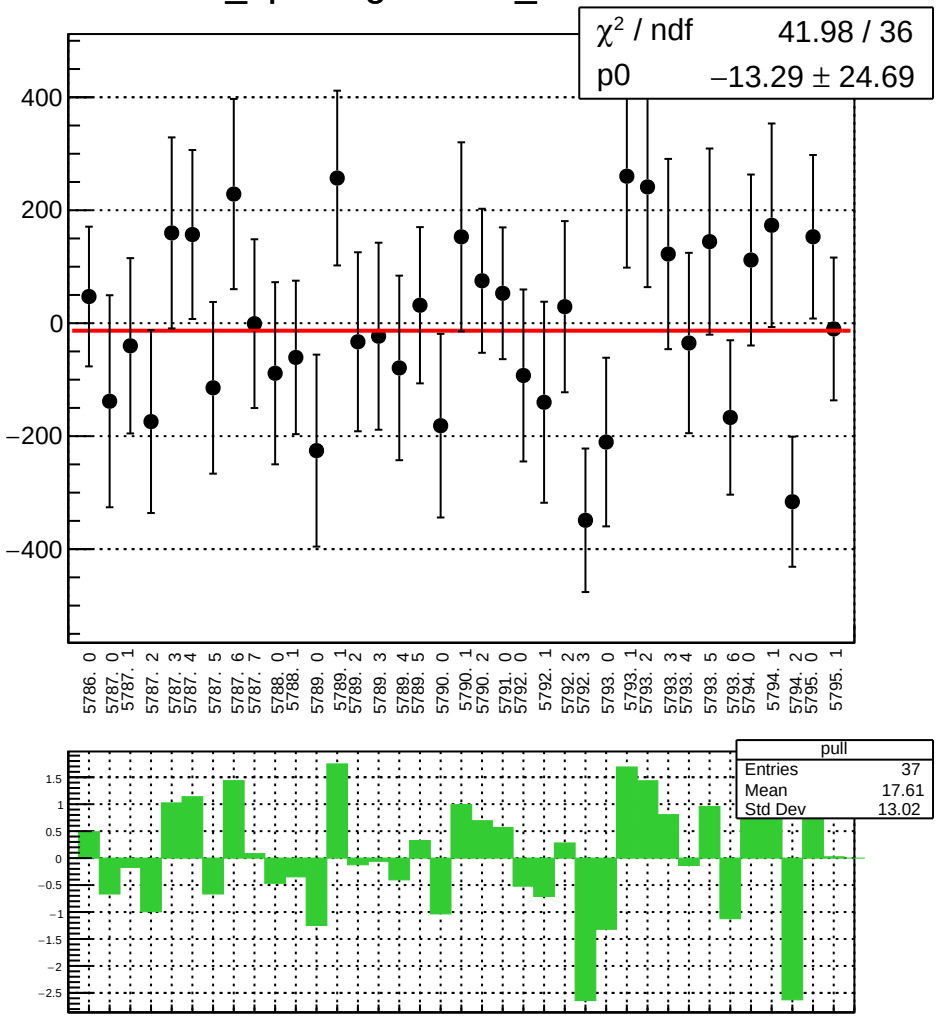

pull1D
Entries 37
Mean −0.001101
Std Dev 1.069

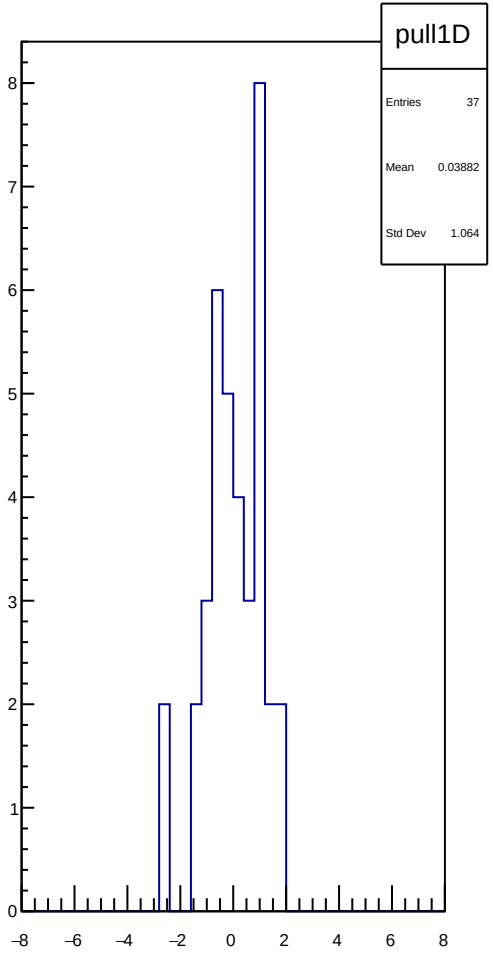

diff_bpmtargetsumX_rms vs run
χ² / ndf 5093 / 36
p0 2.162e+04 ± 25
26000
25000
24000
23000
22000
21000
20000
19000
18000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

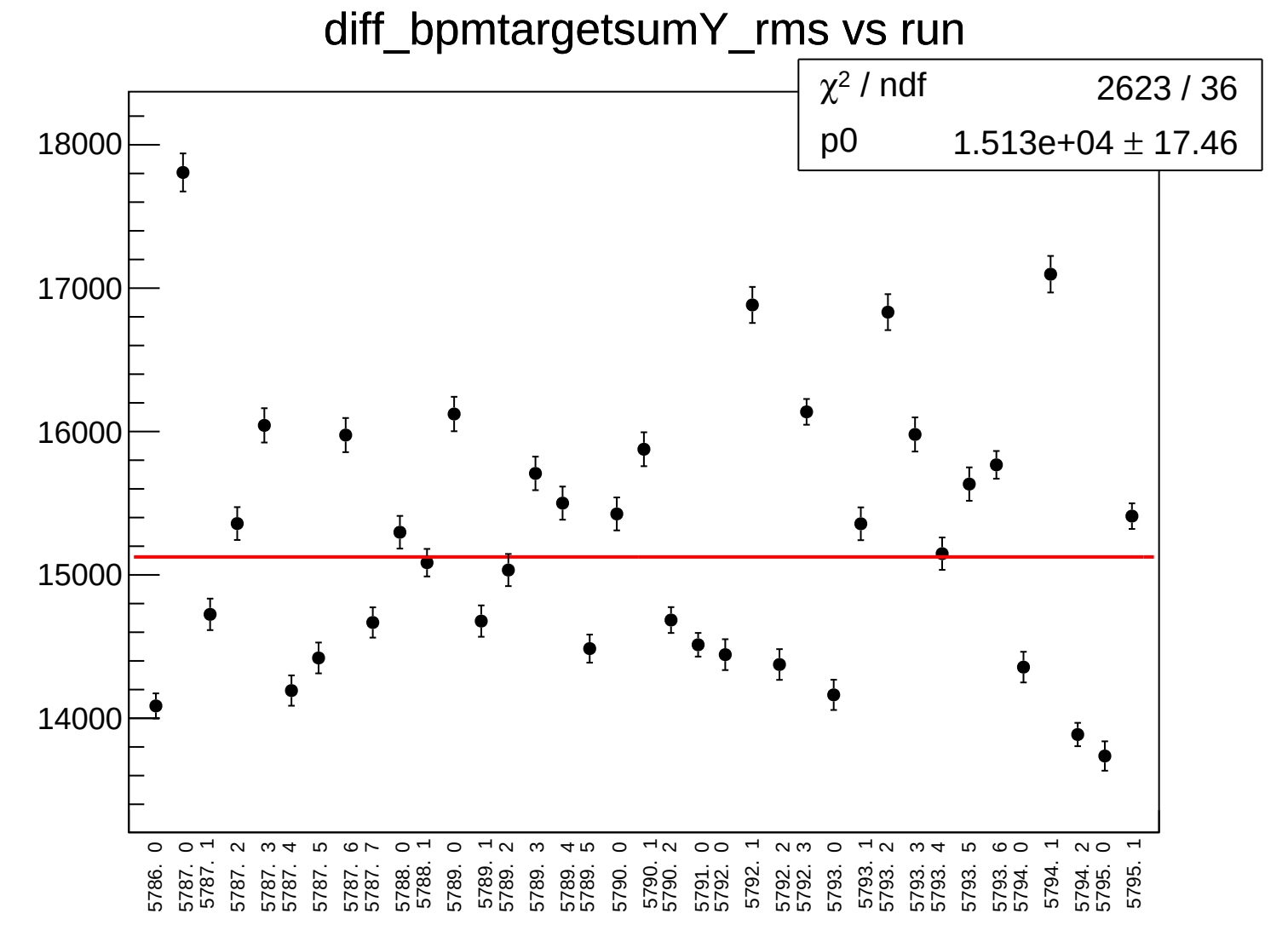

diff_bpmtargetdiffX_mean vs run
χ² / ndf 41.15 / 36
p0 15.23 ± 8.063
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3859
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

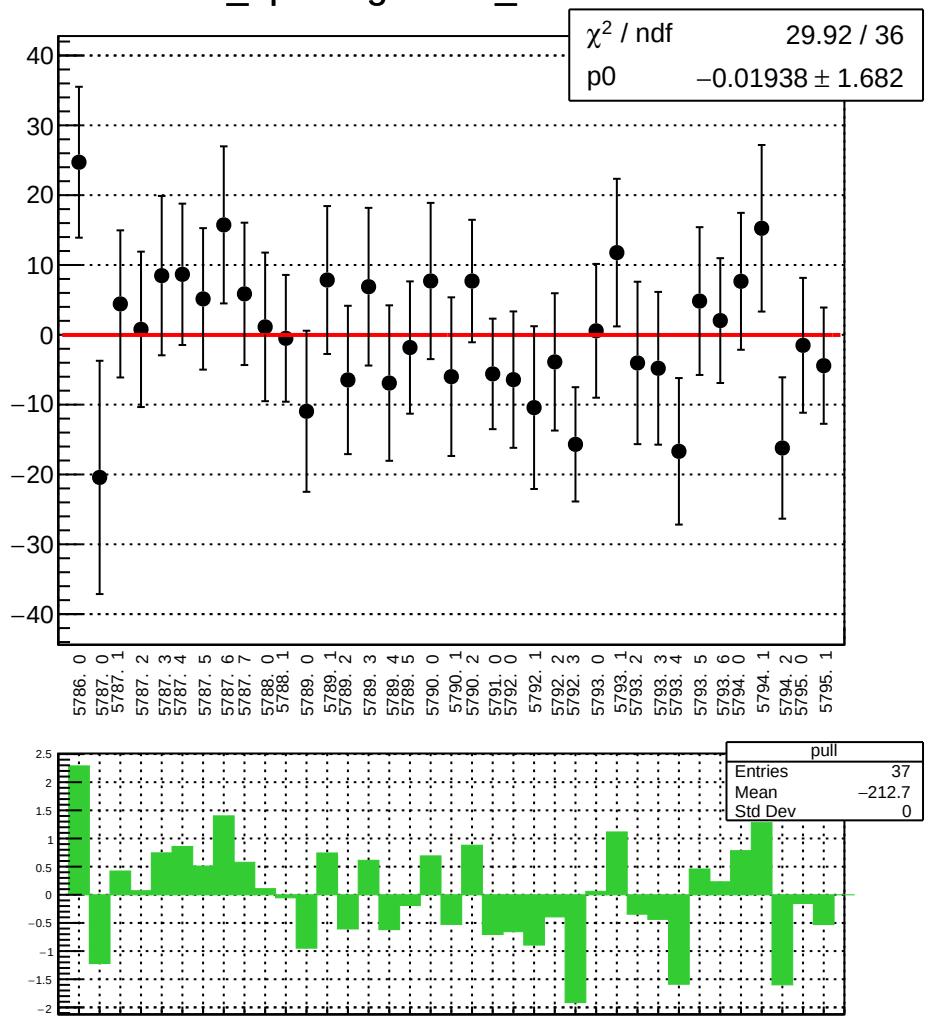

pull1D
Entries 37
Mean 0.0004792
Std Dev 1.055
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

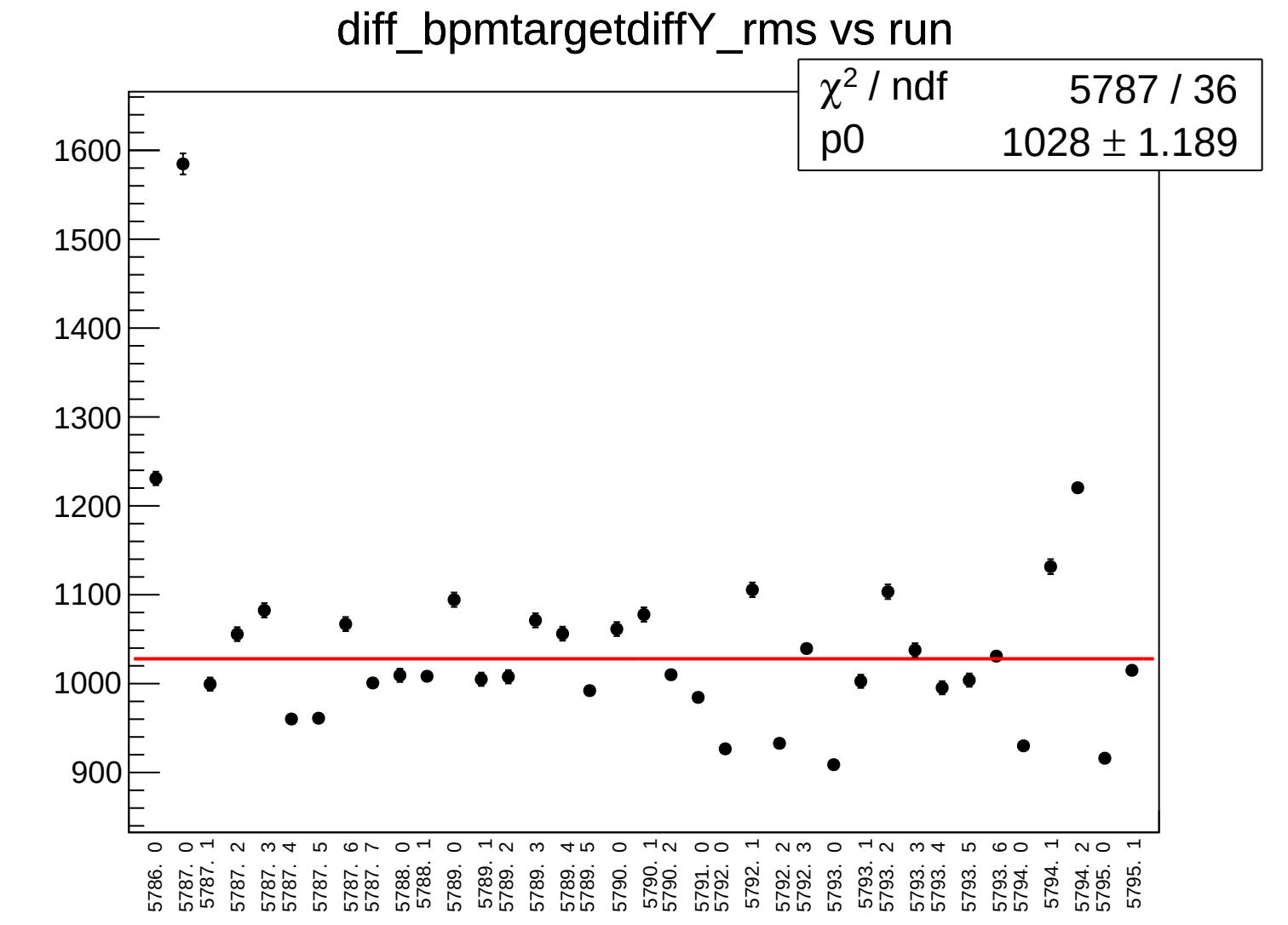

diff_bpmtargetdiffX_rms vs run
χ² / ndf 4465 / 36
p0 4933 ± 5.702
6000
5800
5600
5400
5200
5000
4800
4600
4400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

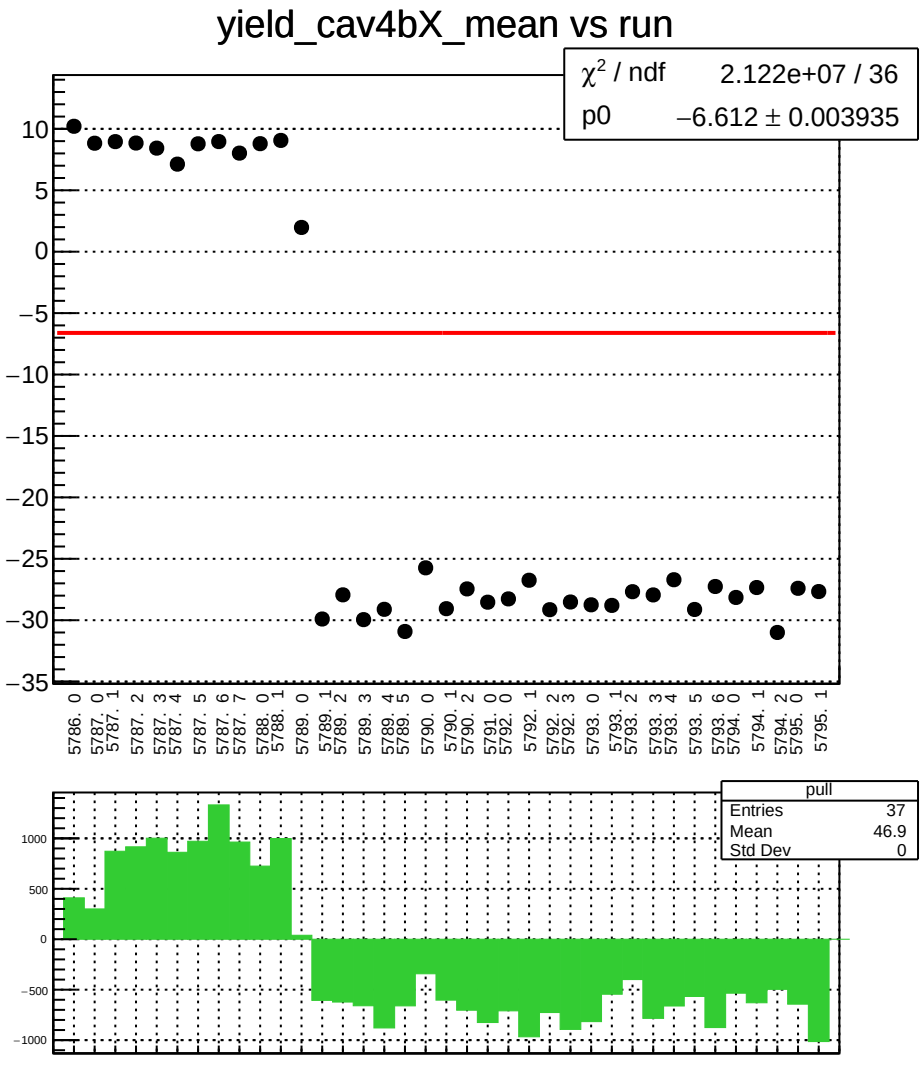

diff_bpmtargetsumY_mean vs run
χ² / ndf 41.98 / 36
p0 −13.29 ± 24.69
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.61
Std Dev 13.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

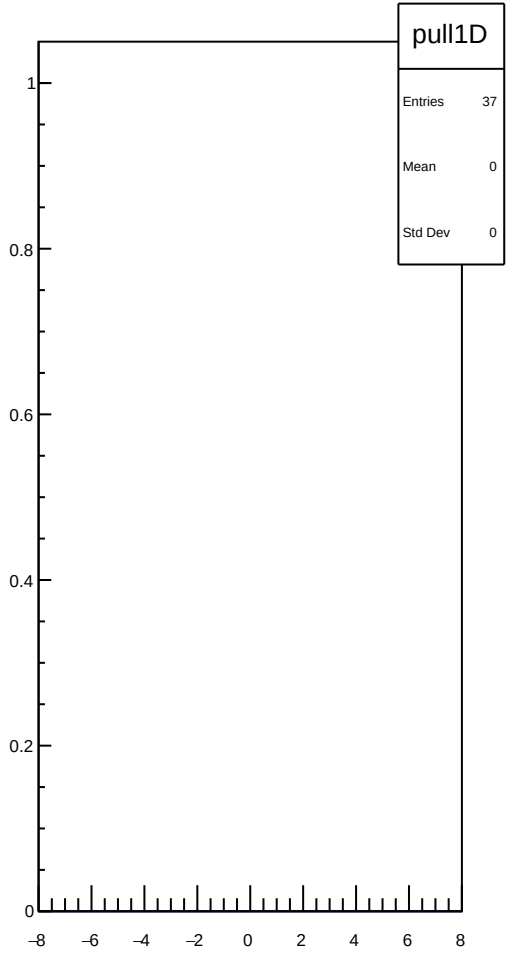

pull1D
Entries 37
Mean 0.03882
Std Dev 1.064
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

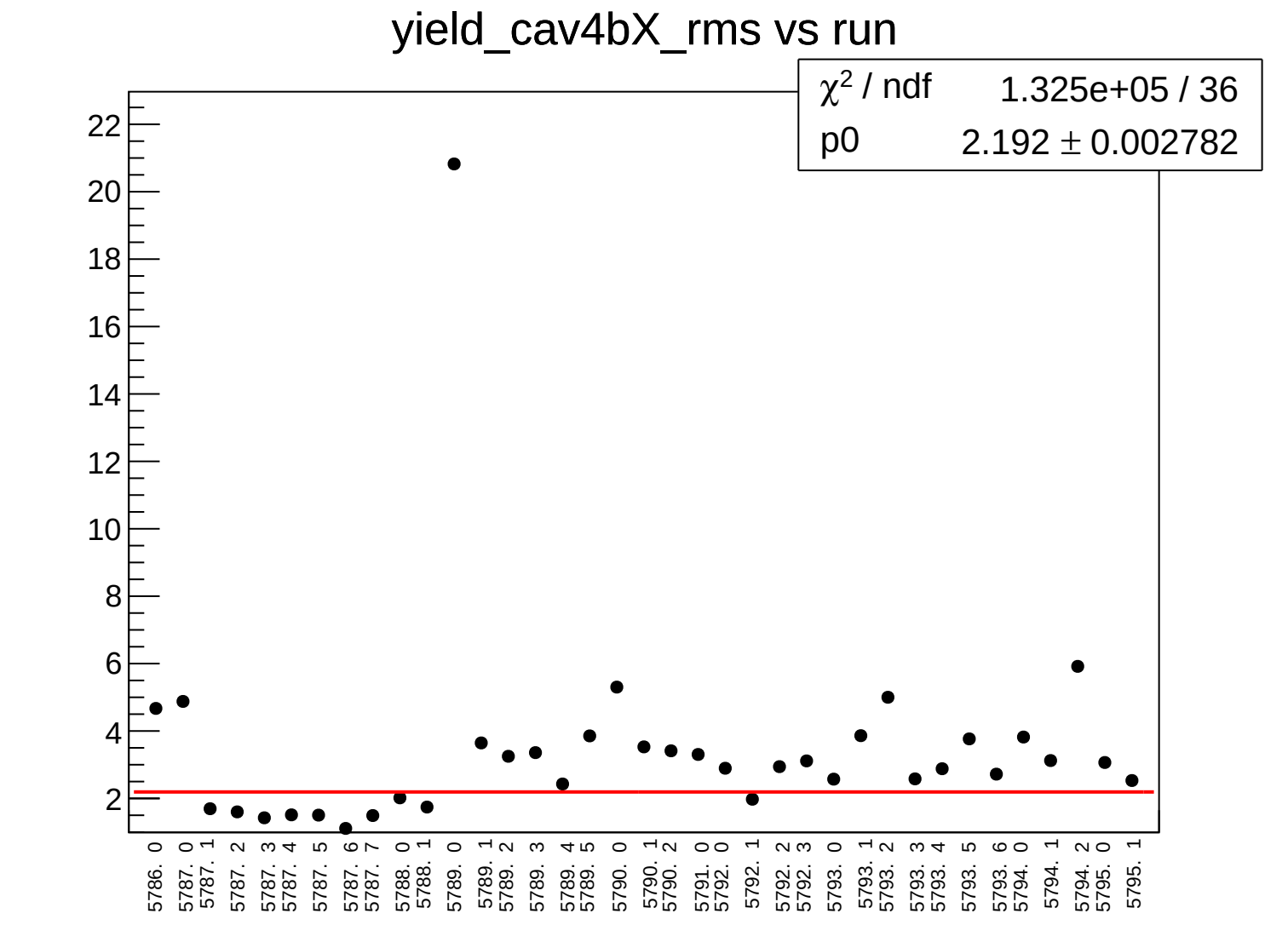

diff_bpmtargetsumY_rms vs run
χ² / ndf 2623 / 36
p0 1.513e+04 ± 17.46
18000
17000
16000
15000
14000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

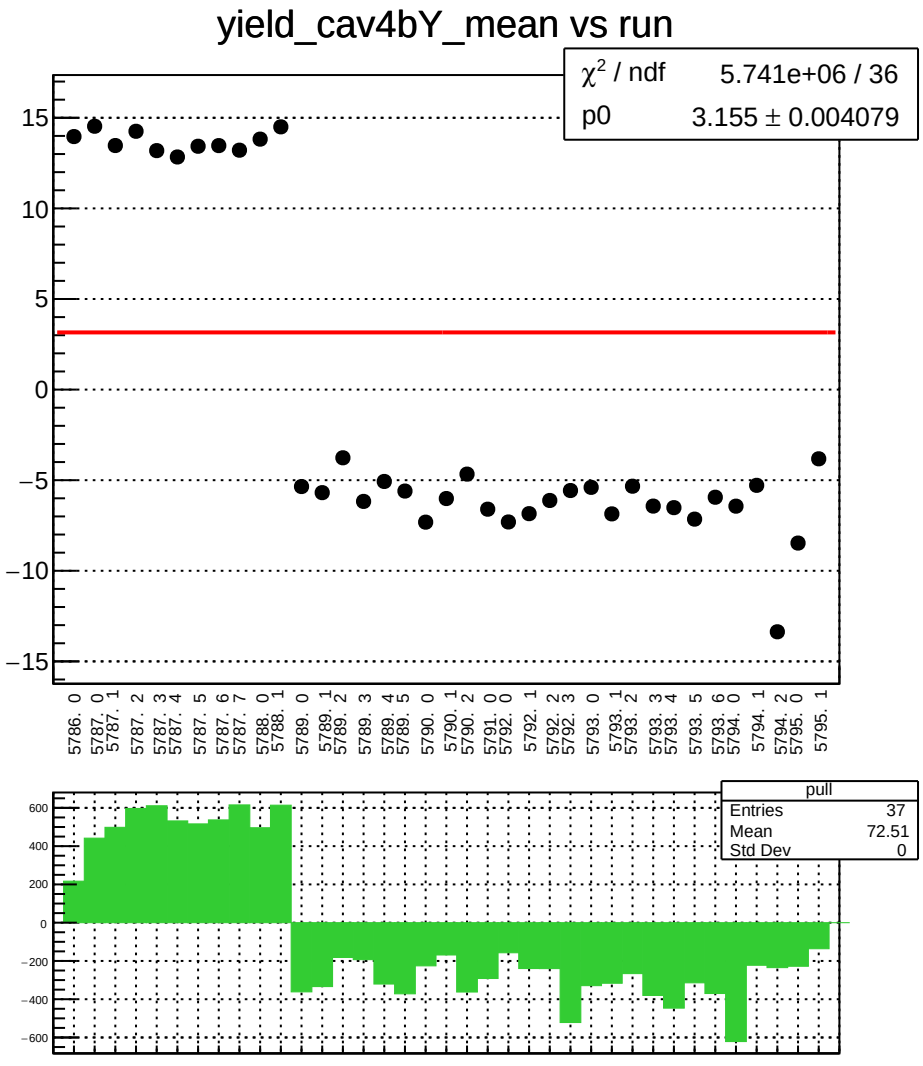

diff_bpmtargetdiffY_mean vs run
χ² / ndf 29.92 / 36
p0 −0.01938 ± 1.682
pull
Entries 37
Mean −212.7
Std Dev 0
pull1D
Entries 37
Mean 0.01257
Std Dev 0.8991

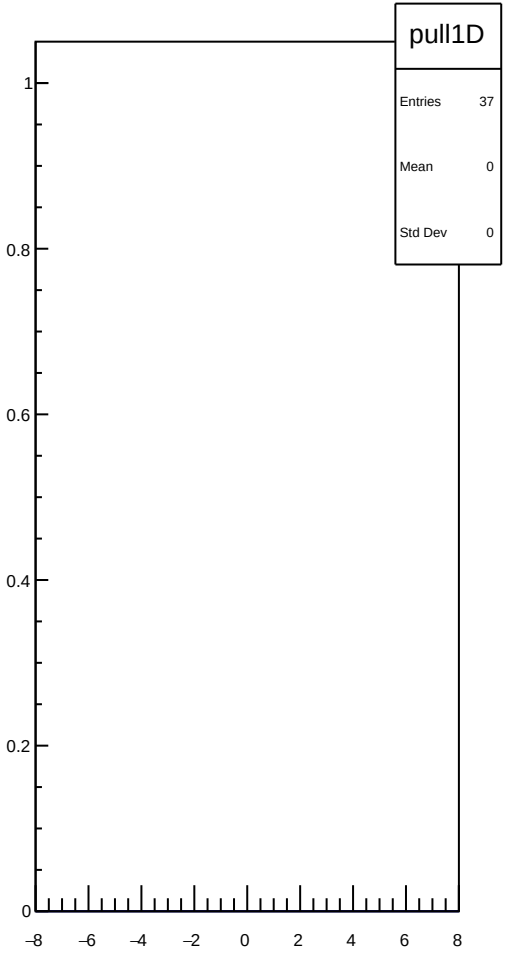

diff_bpmtargetdiffY_rms vs run
χ² / ndf 5787 / 36
p0 1028 ± 1.189
1600
1500
1400
1300
1200
1100
1000
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

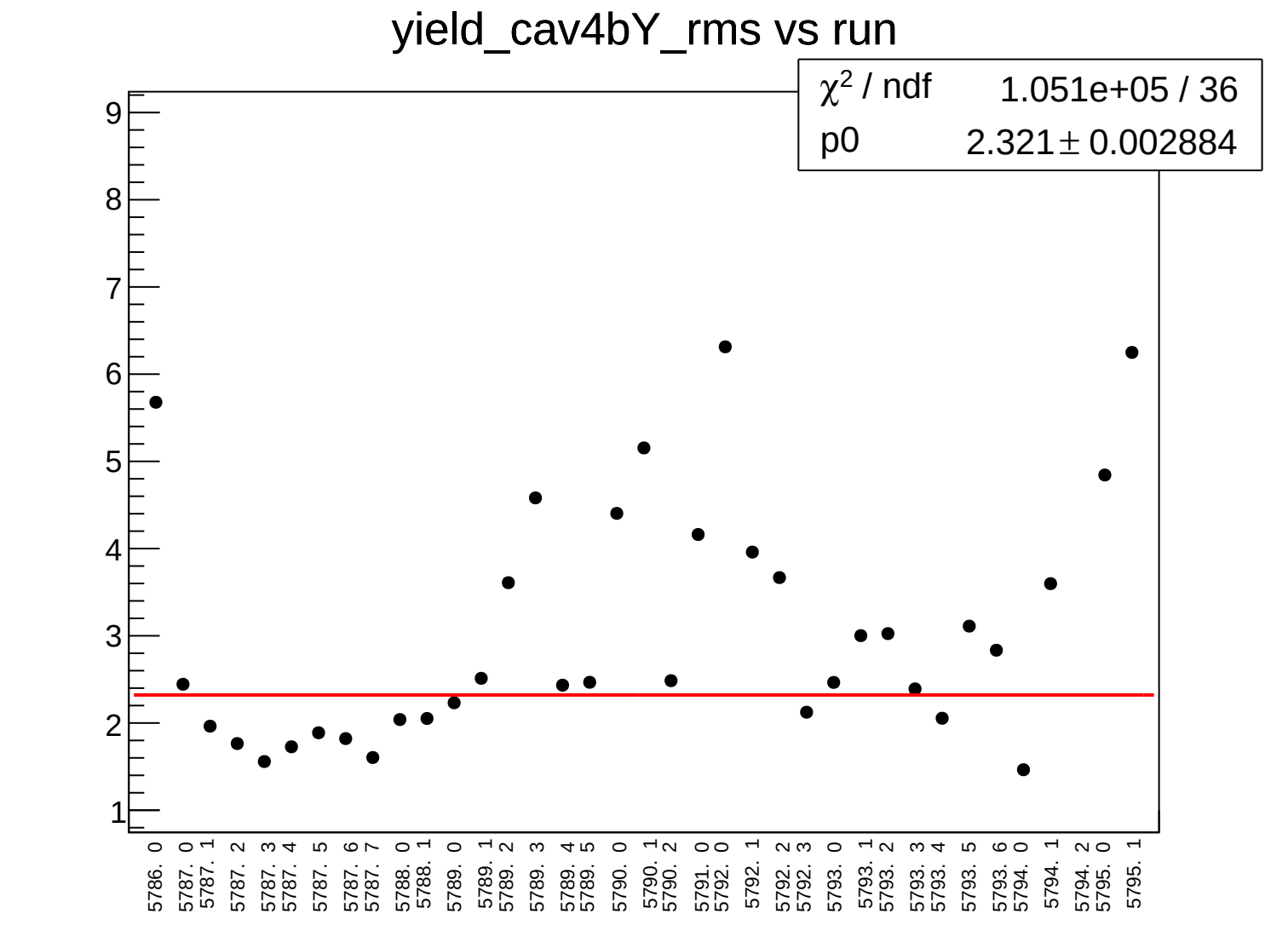

yield_cav4bX_mean vs run
χ² / ndf 2.122e+07 / 36
p0 −6.612 ± 0.003935
pull
Entries 37
Mean 46.9
Std Dev 0

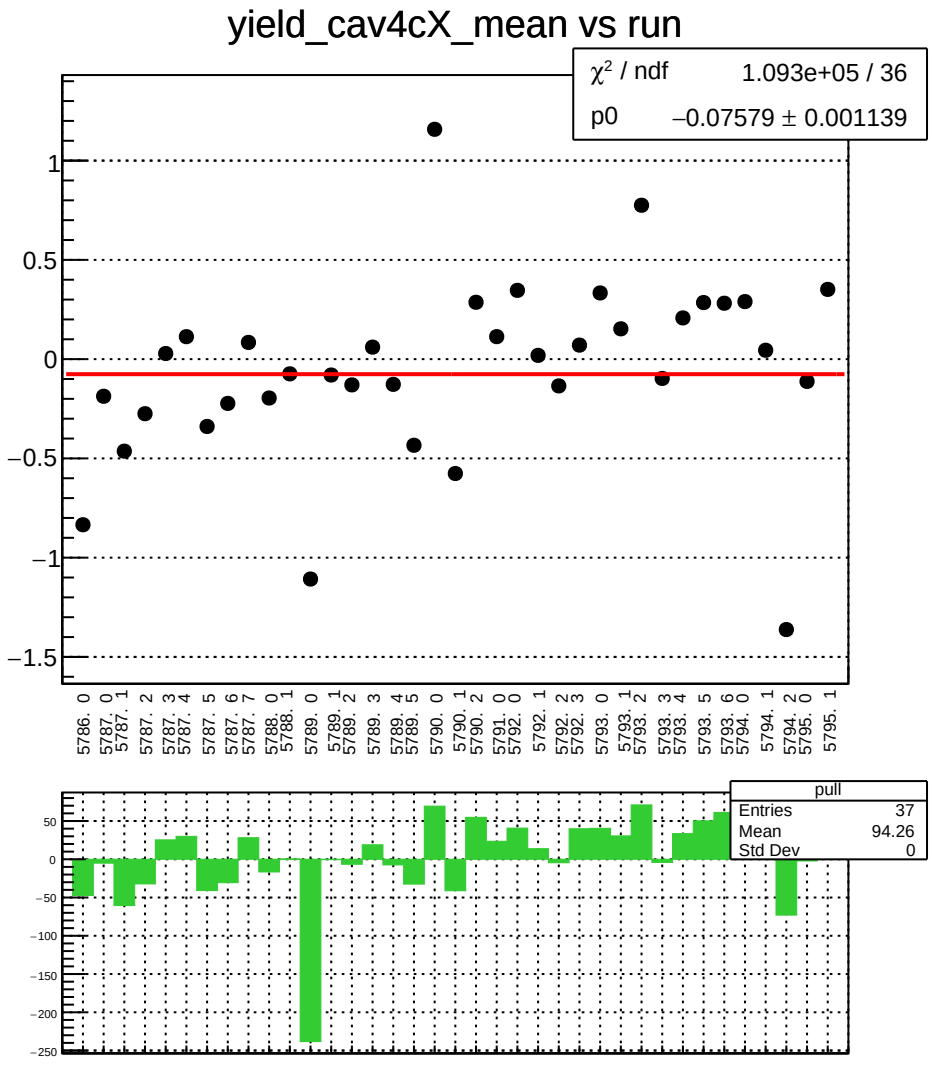

pull1D
Entries 37
Mean 0
Std Dev 0

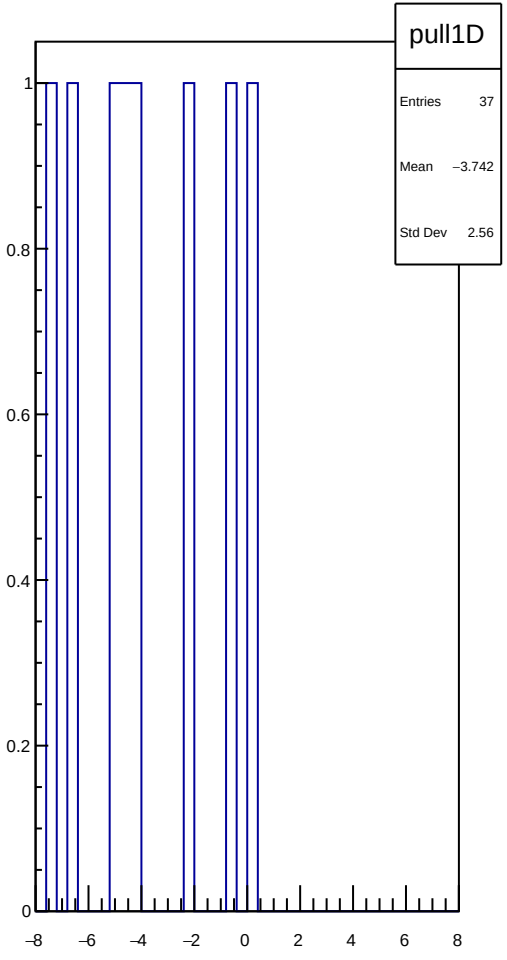

yield_cav4bX_rms vs run
χ² / ndf 1.325e+05 / 36
p0 2.192 ± 0.002782
22
20
18
16
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

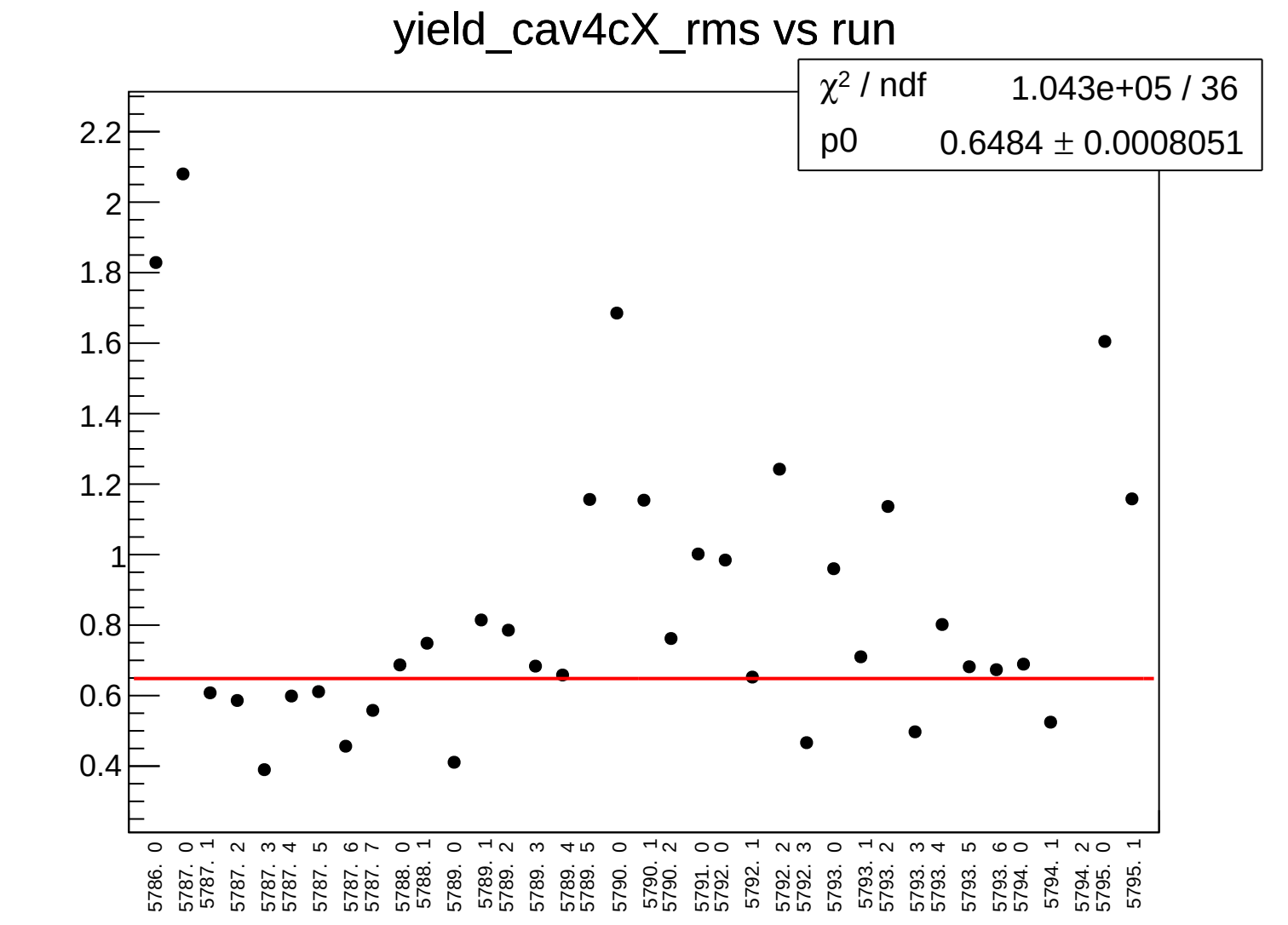

yield_cav4bY_mean vs run
χ² / ndf 5.741e+06 / 36
p0 3.155 ± 0.004079
15
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 72.51
Std Dev 0
600
400
200
0
−200
−400
−600

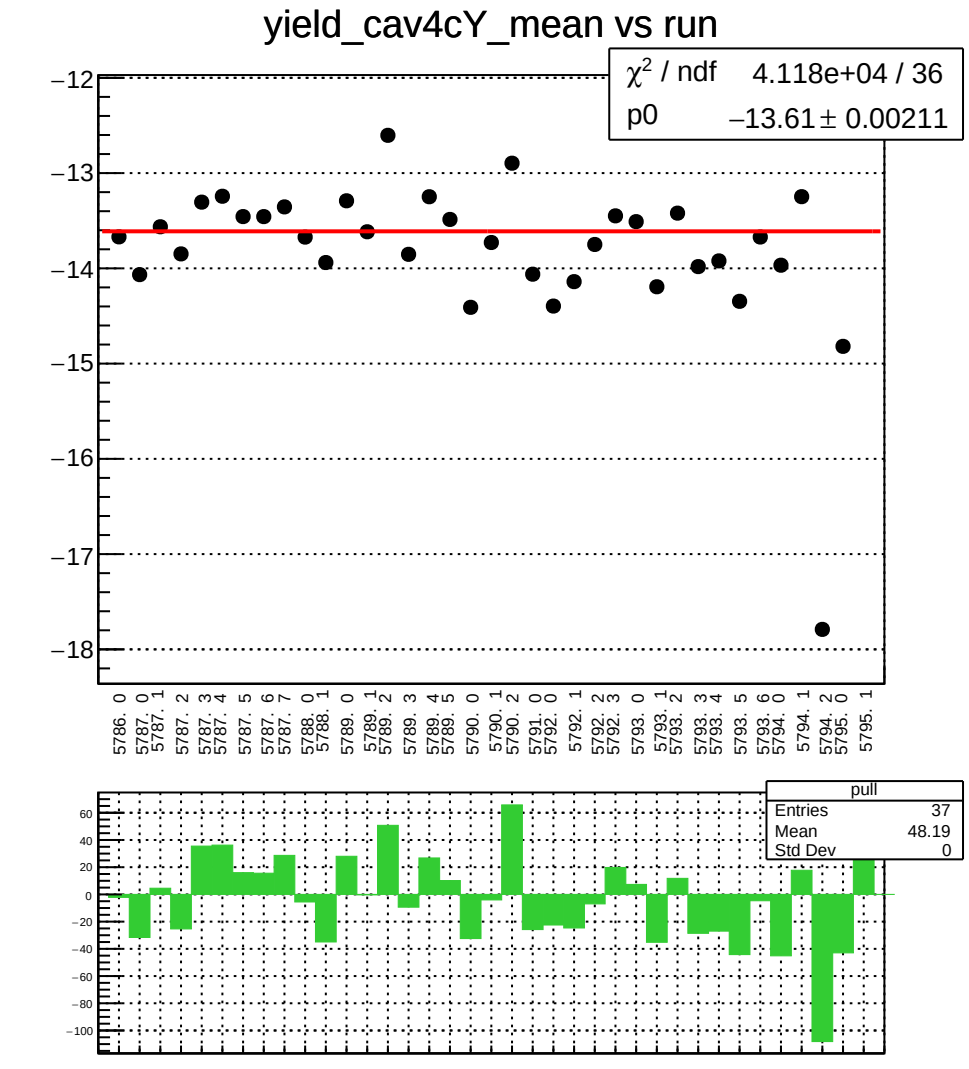

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

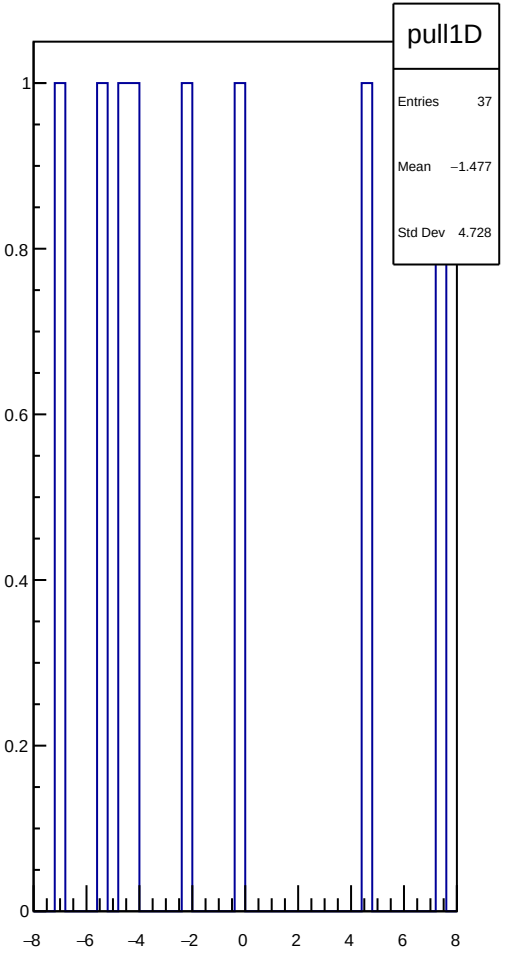

yield_cav4bY_rms vs run
χ^2 / ndf 1.051e+05 / 36
p0 2.321 ± 0.002884
9
8
7
6
5
4
3
2
1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

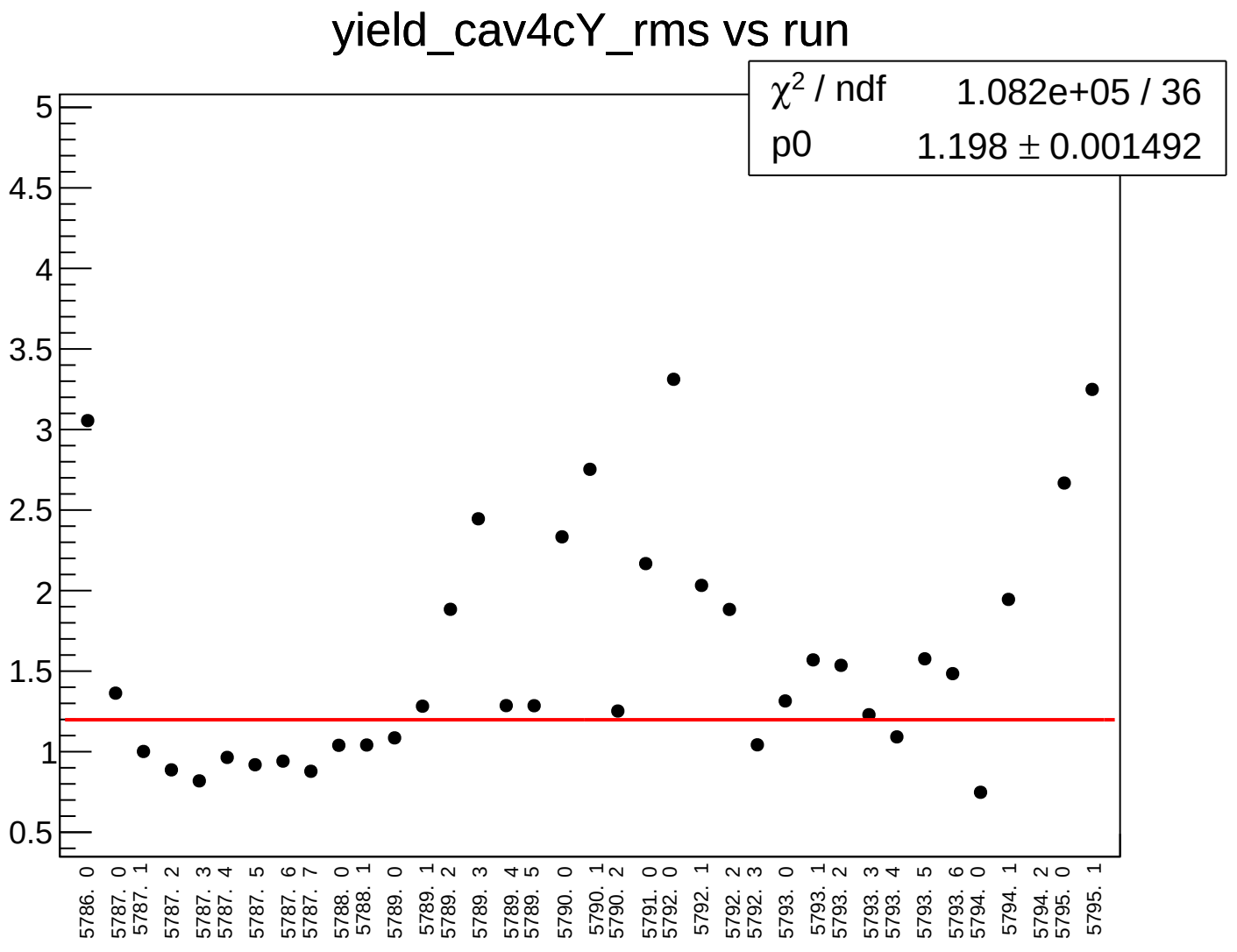

yield_cav4cX_mean vs run
χ² / ndf 1.093e+05 / 36
p0 −0.07579 ± 0.001139
pull
Entries 37
Mean 94.26
Std Dev 0

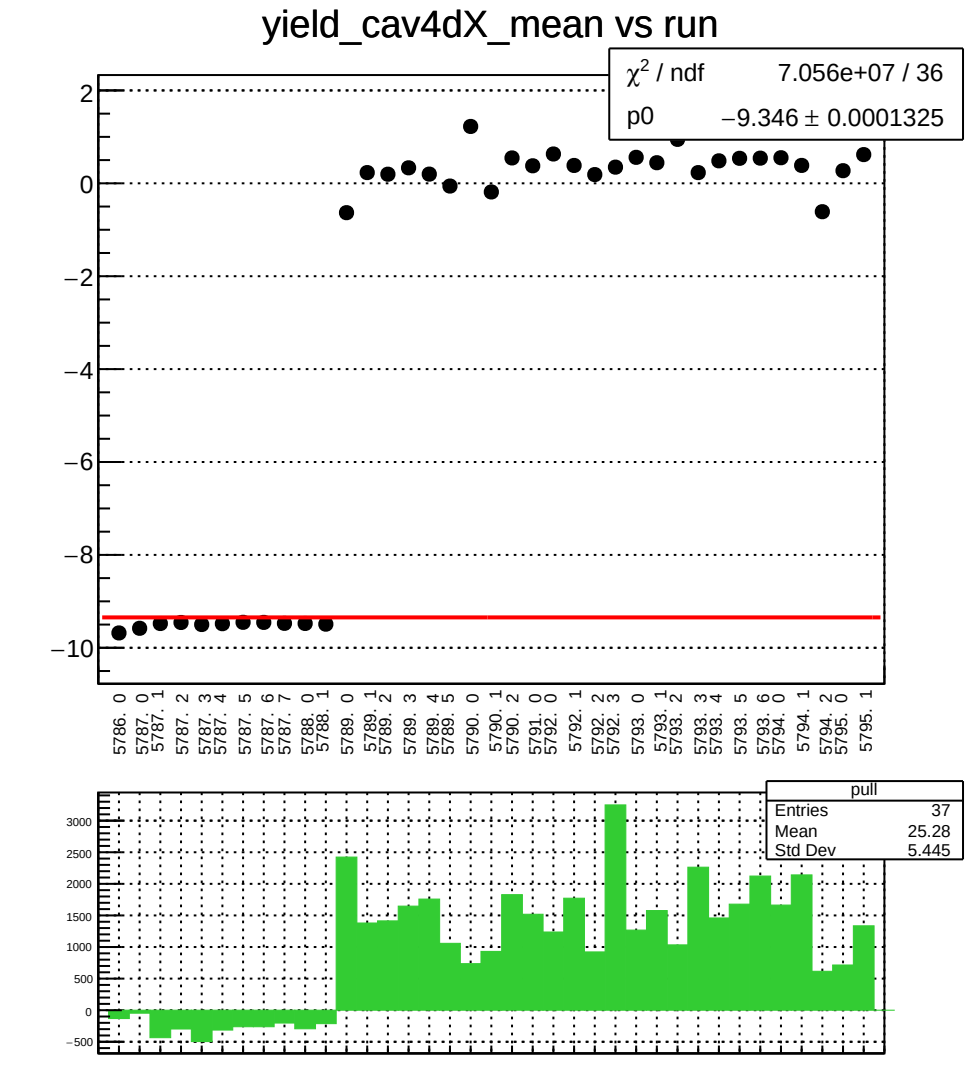

pull1D
Entries 37
Mean −3.742
Std Dev 2.56

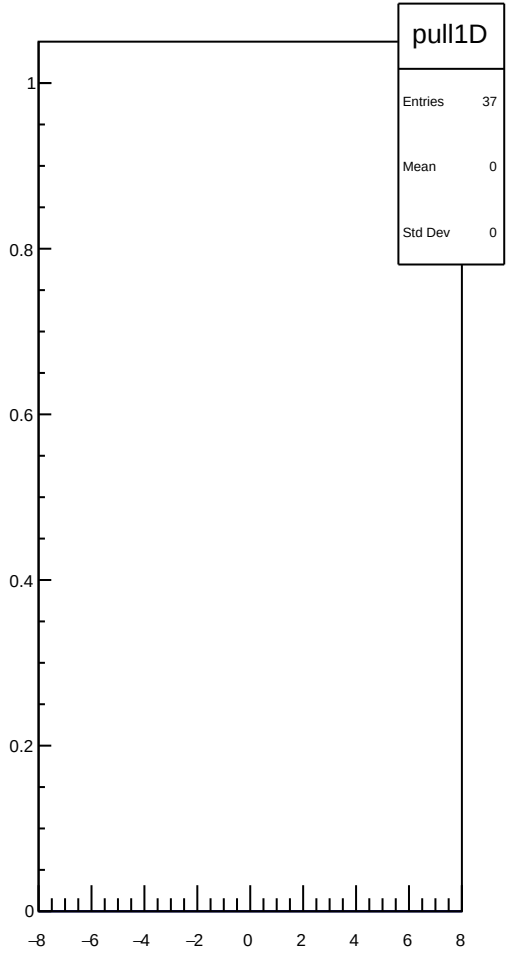

yield_cav4cX_rms vs run
χ² / ndf 1.043e+05 / 36
p0 0.6484 ± 0.0008051
2.2
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

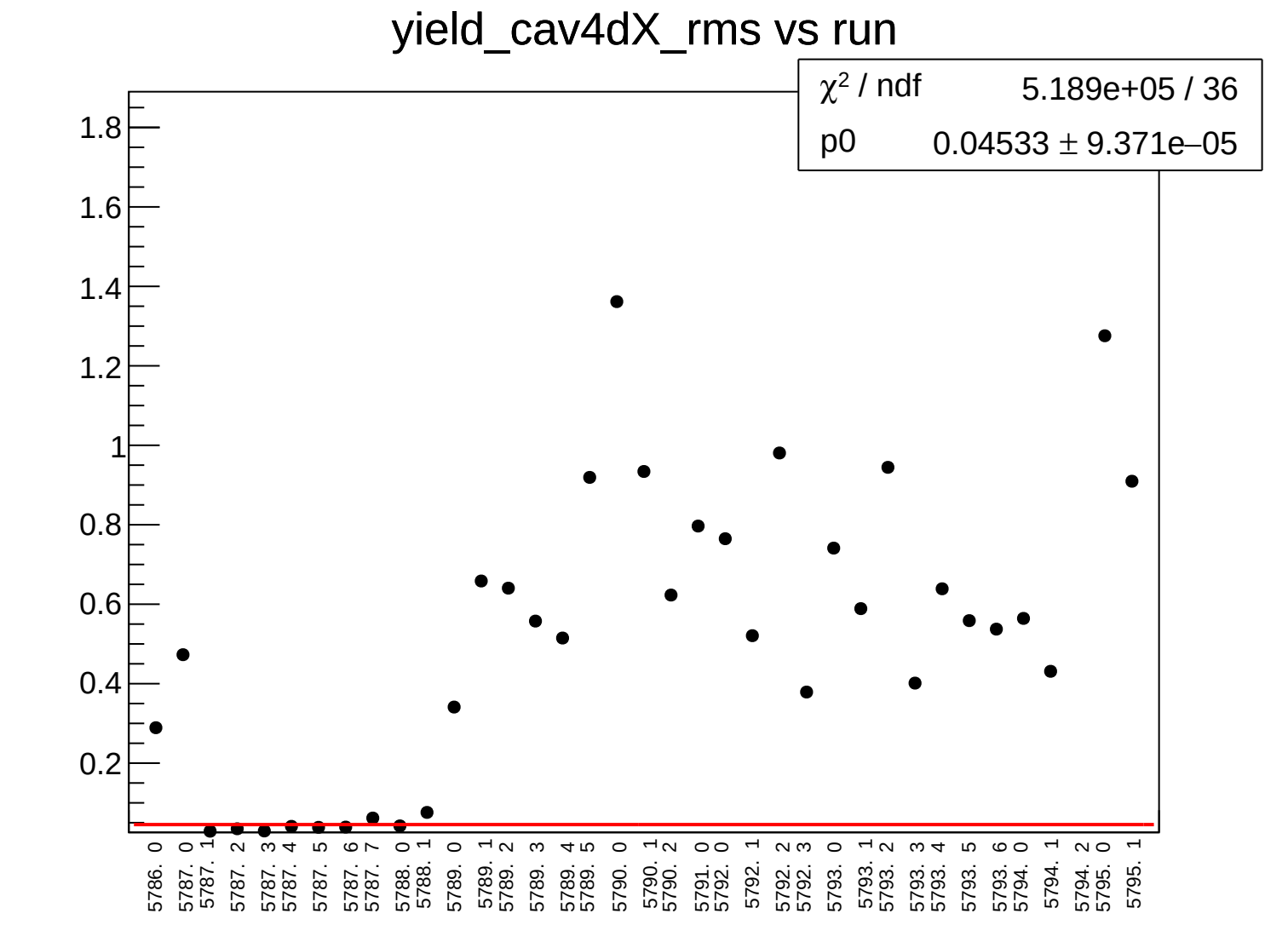

yield_cav4cY_mean vs run
χ² / ndf 4.118e+04 / 36
p0 −13.61 ± 0.00211
pull
Entries 37
Mean 48.19
Std Dev 0

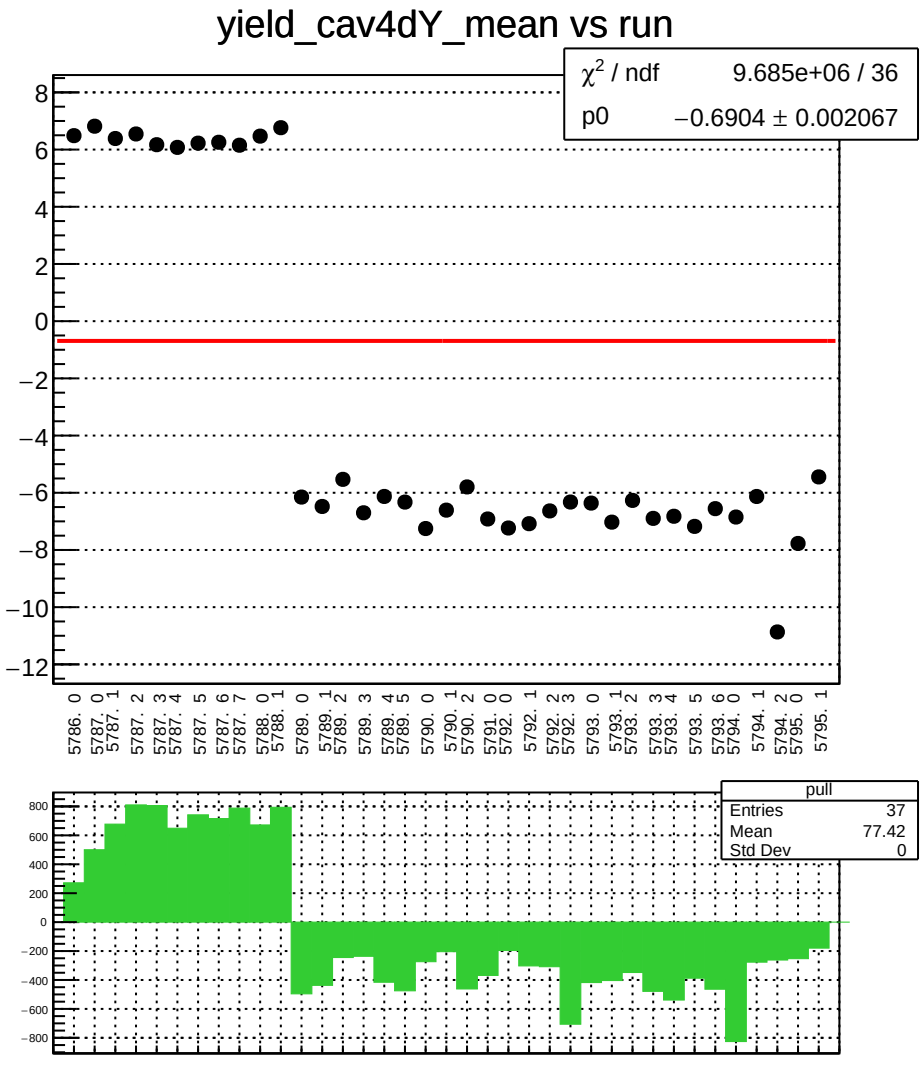

pull1D
Entries 37
Mean −1.477
Std Dev 4.728

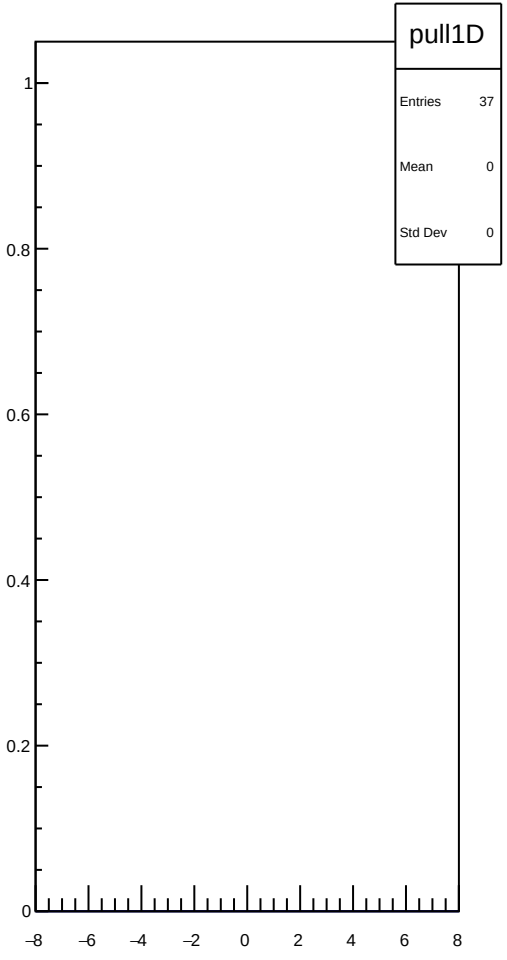

yield_cav4cY_rms vs run
χ² / ndf 1.082e+05 / 36
p0 1.198 ± 0.001492
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

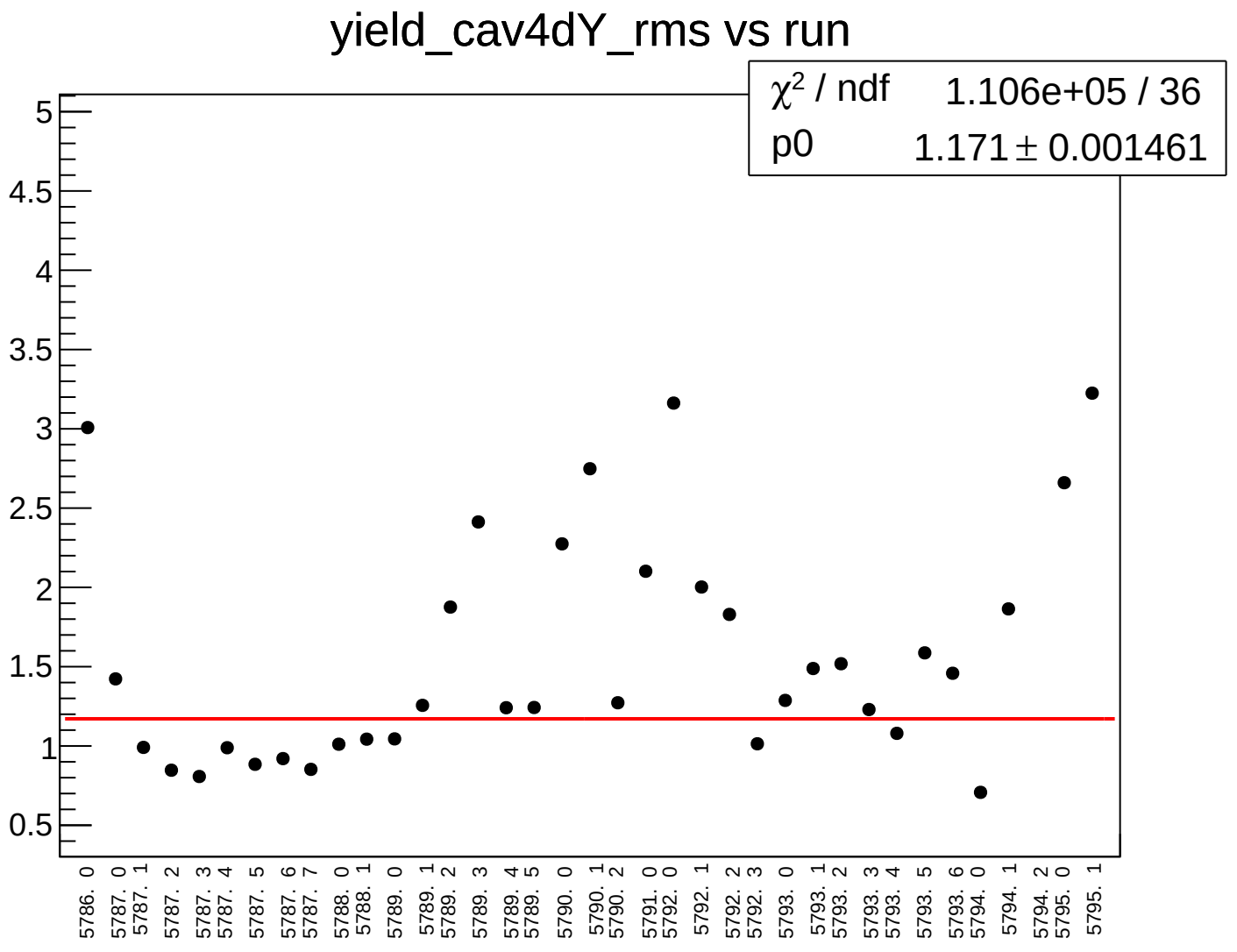

yield_cav4dX_mean vs run
χ² / ndf 7.056e+07 / 36
p0 −9.346 ± 0.0001325
pull
Entries 37
Mean 25.28
Std Dev 5.445

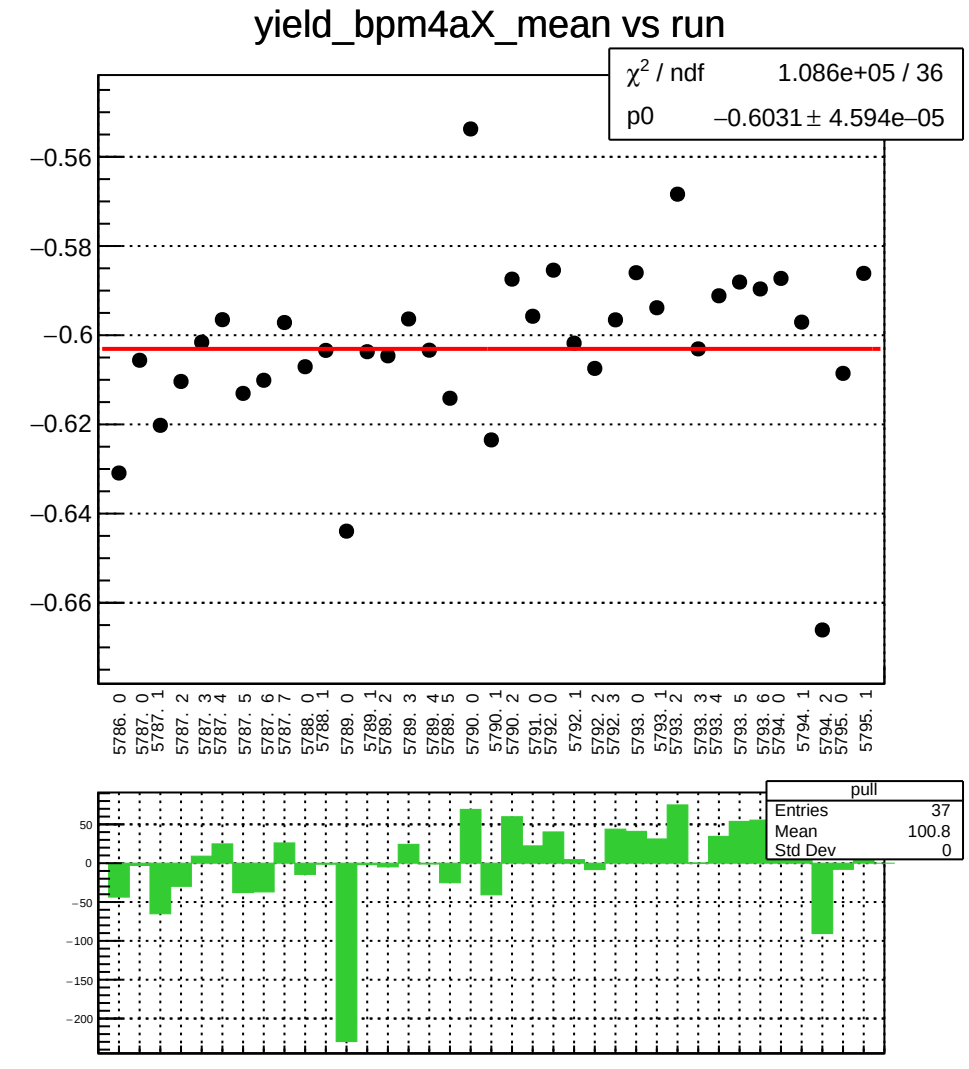

pull1D
Entries 37
Mean 0
Std Dev 0

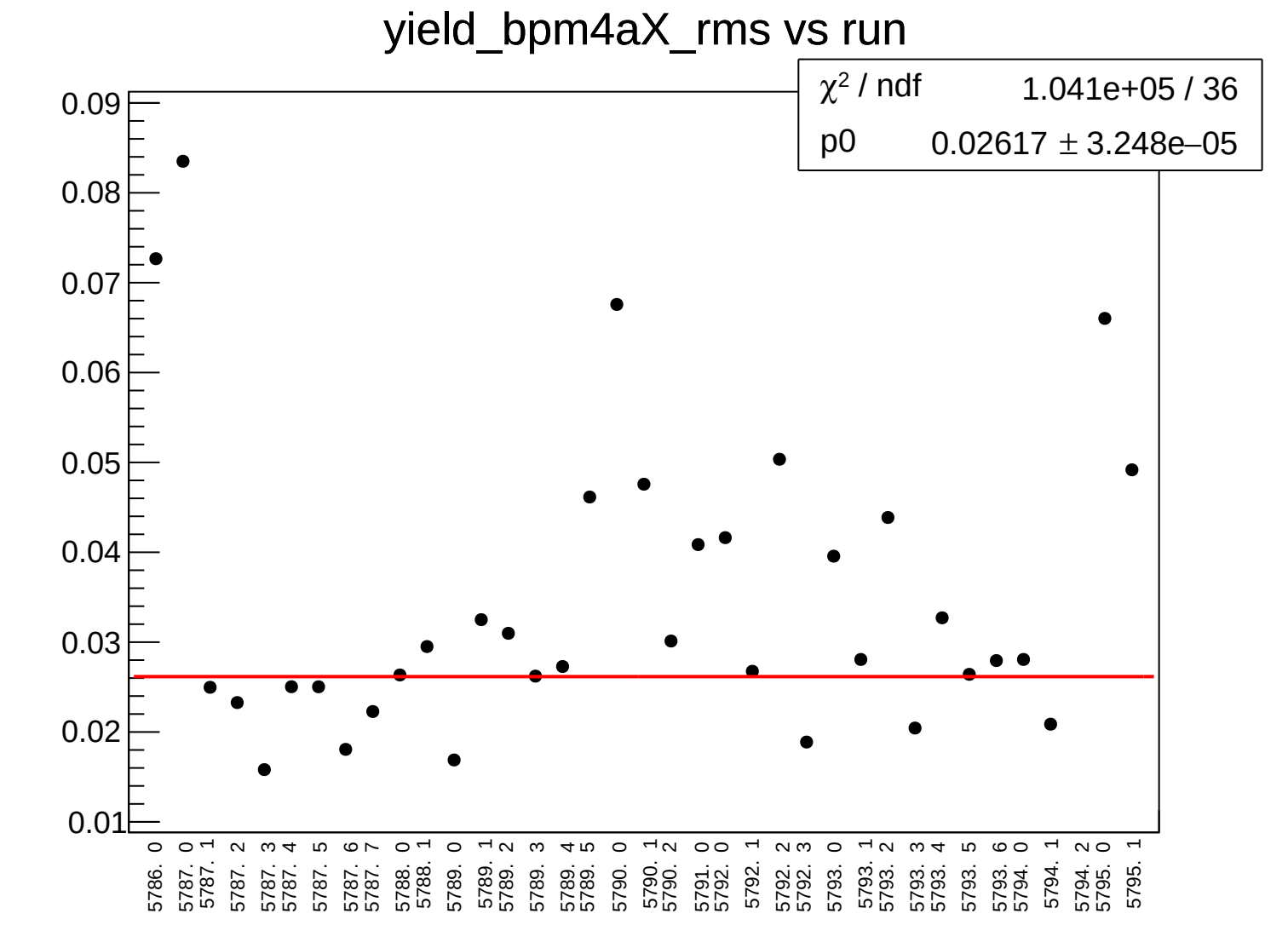

yield_cav4dX_rms vs run
χ² / ndf 5.189e+05 / 36
p0 0.04533 ± 9.371e–05
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

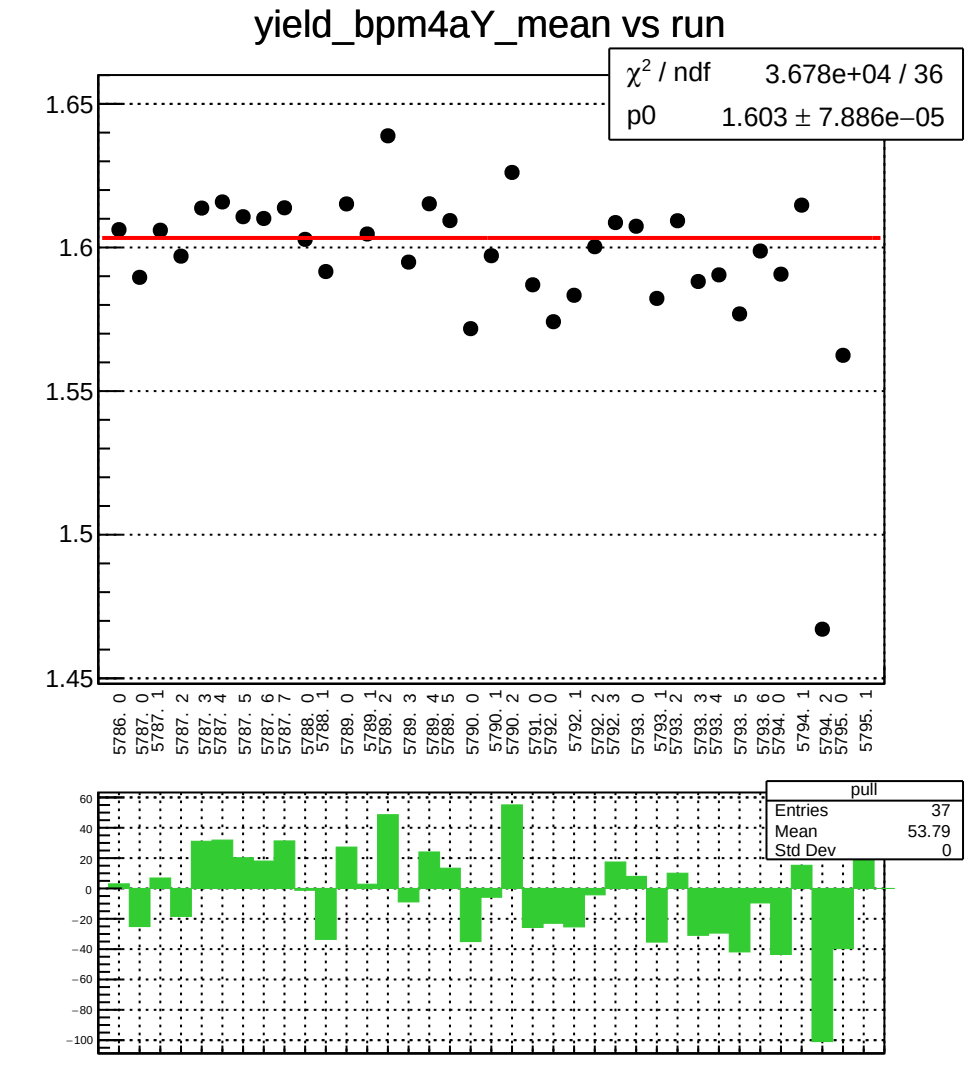

yield_cav4dY_mean vs run
χ² / ndf 9.685e+06 / 36
p0 −0.6904 ± 0.002067
pull
Entries 37
Mean 77.42
Std Dev 0

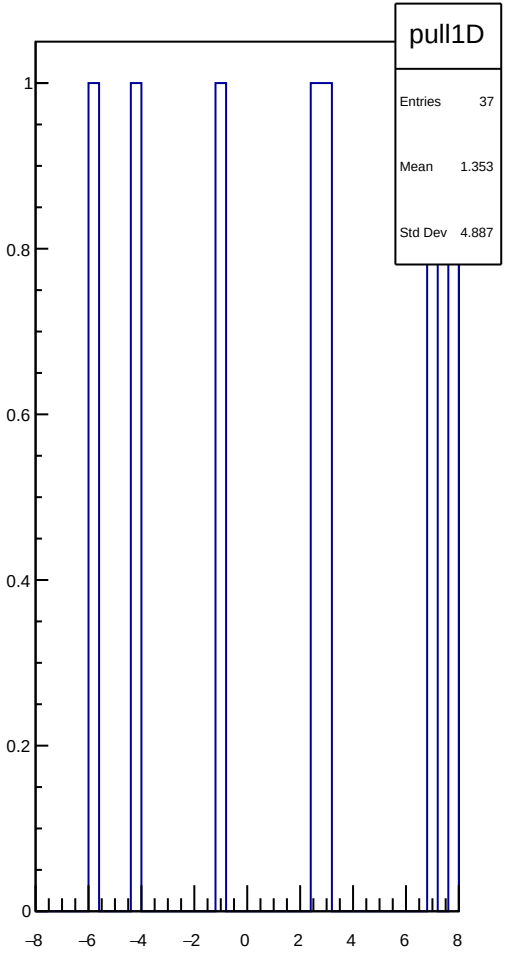

pull1D
Entries 37
Mean 0
Std Dev 0

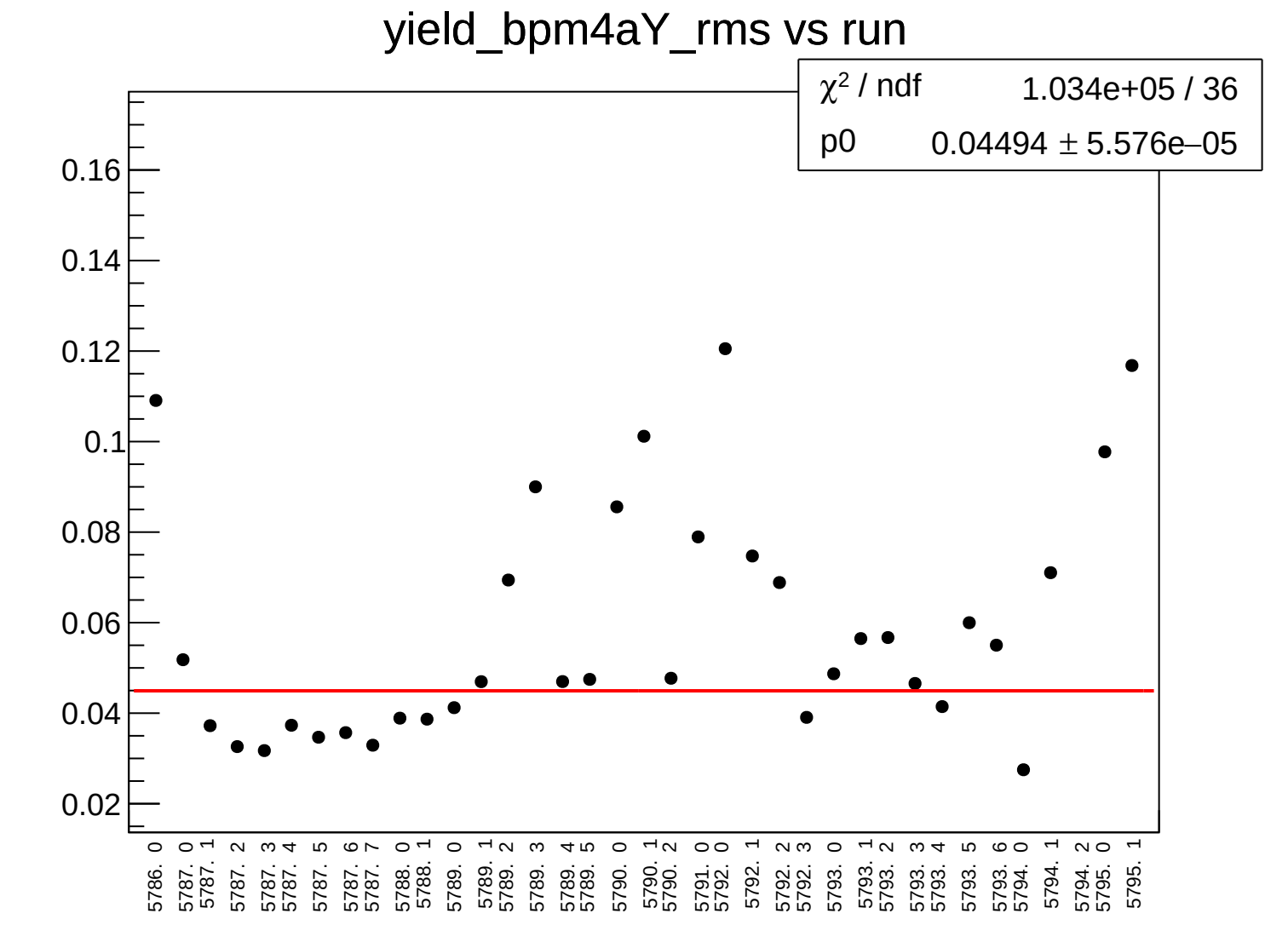

yield_cav4dY_rms vs run
χ² / ndf 1.106e+05 / 36
p0 1.171 ± 0.001461
5
4.5
4
3.5
3
2.5
2
1.5
1
0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

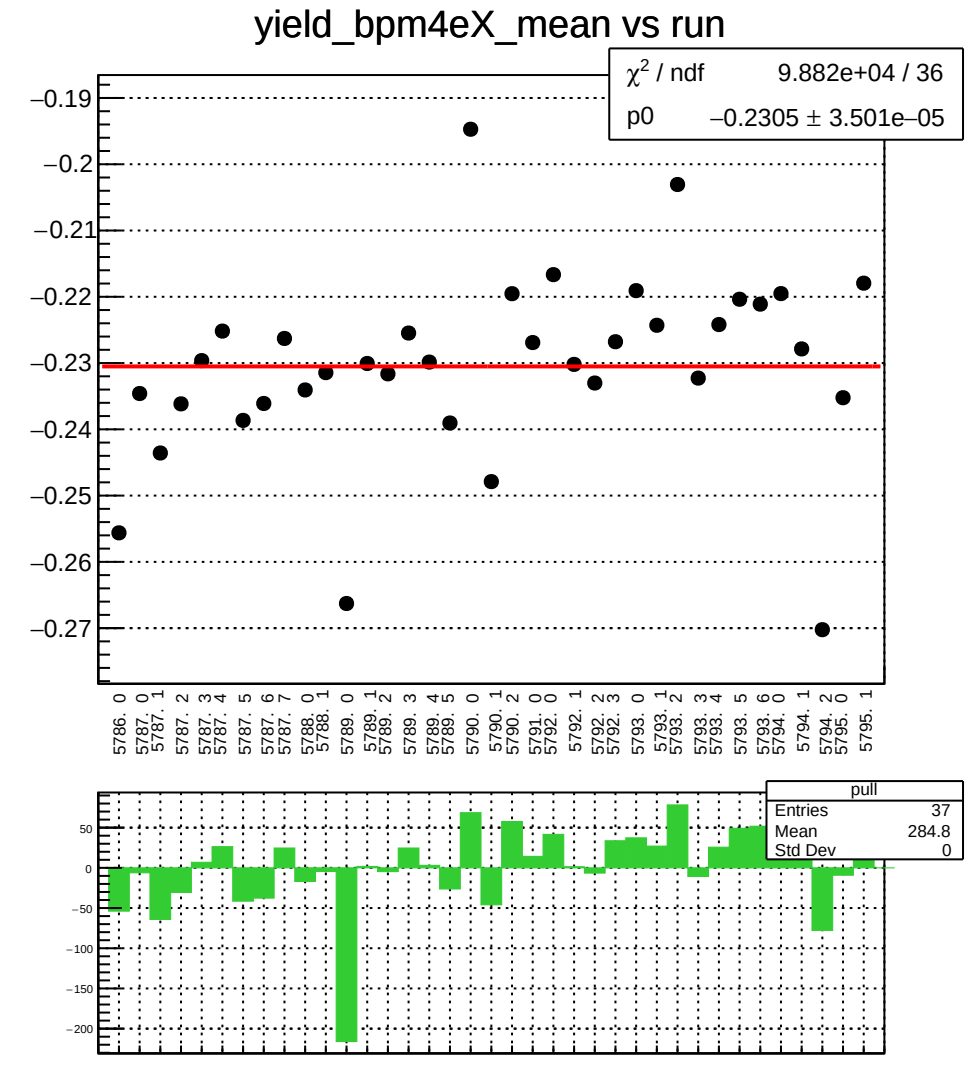

yield_bpm4aX_mean vs run
χ² / ndf 1.086e+05 / 36
p0 −0.6031 ± 4.594e−05
−0.56
−0.58
−0.6
−0.62
−0.64
−0.66
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 100.8
Std Dev 0
50
0
−50
−100
−150
−200
pull1D
Entries 37
Mean −1.895
Std Dev 3.386
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

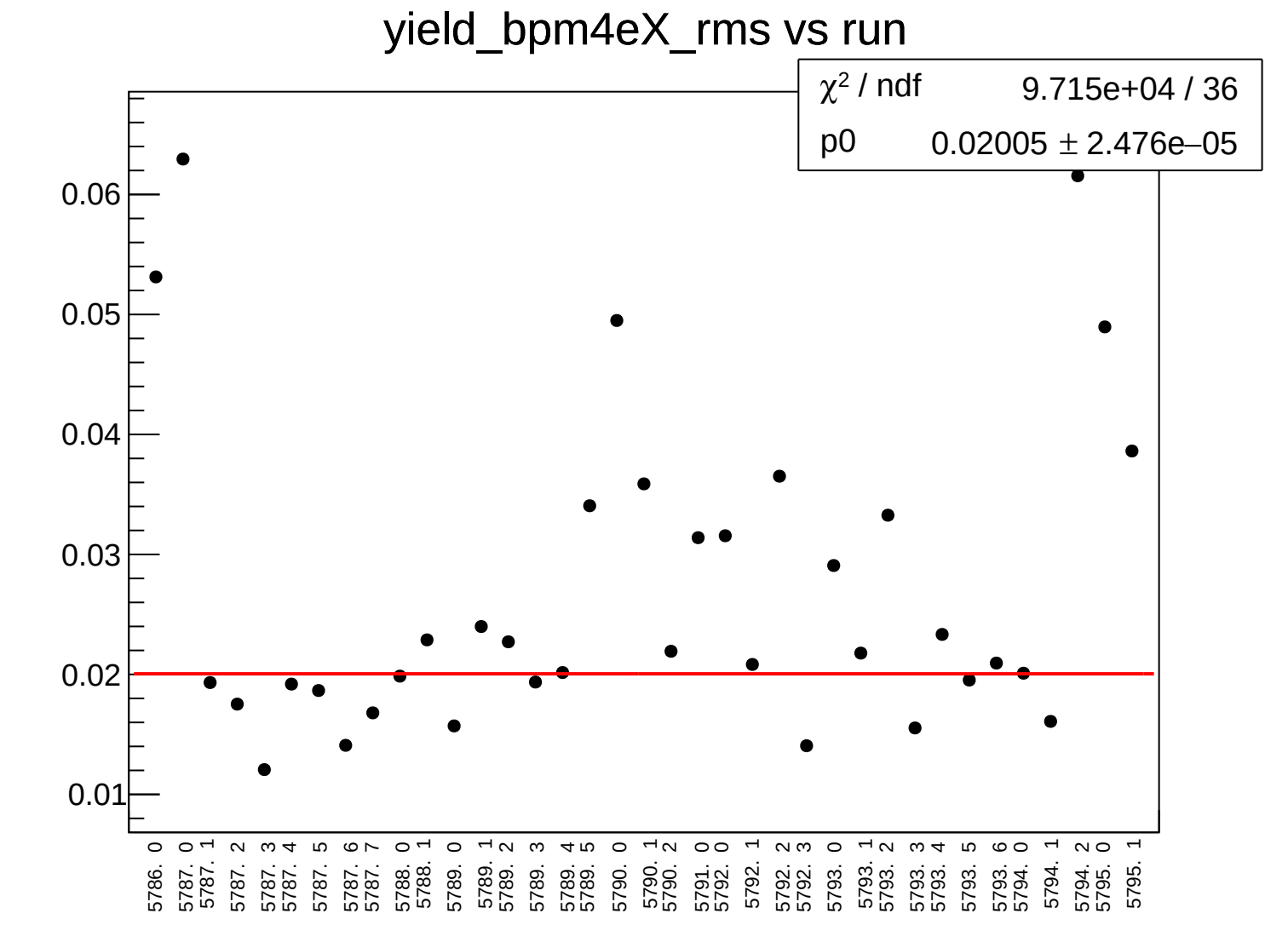

yield_bpm4aX_rms vs run
χ² / ndf 1.041e+05 / 36
p0 0.02617 ± 3.248e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

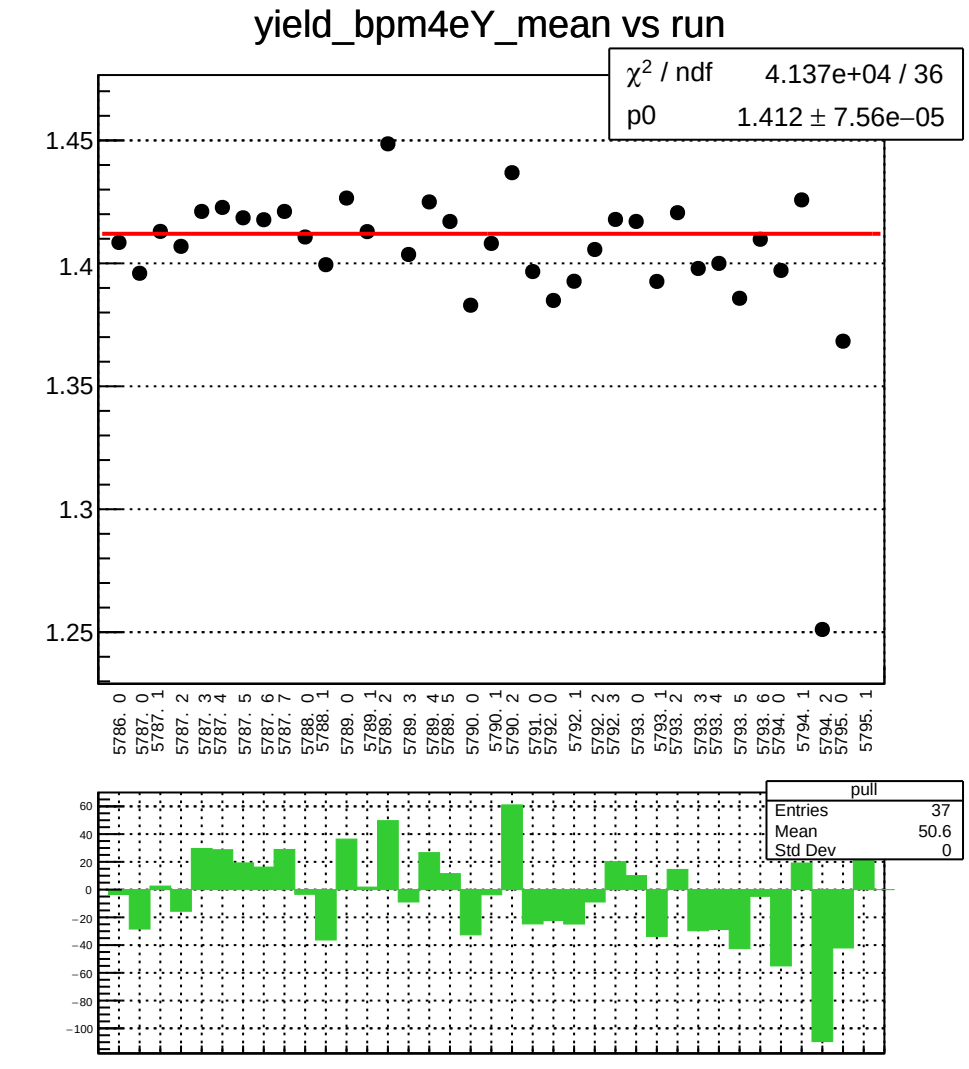

yield_bpm4aY_mean vs run
χ² / ndf 3.678e+04 / 36
p0 1.603 ± 7.886e−05
1.65
1.6
1.55
1.5
1.45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.79
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100

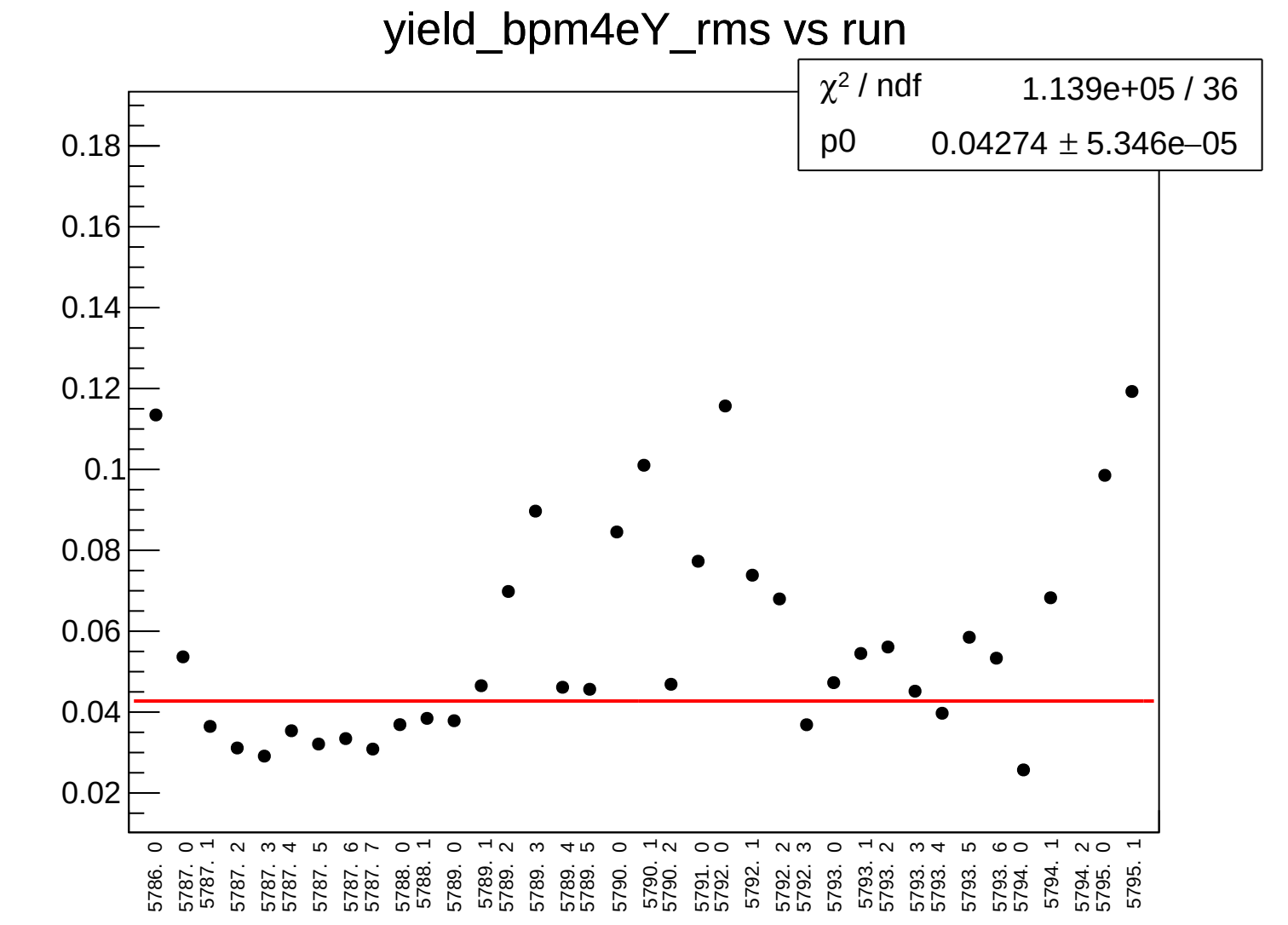

pull1D
Entries 37
Mean 1.353
Std Dev 4.887
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

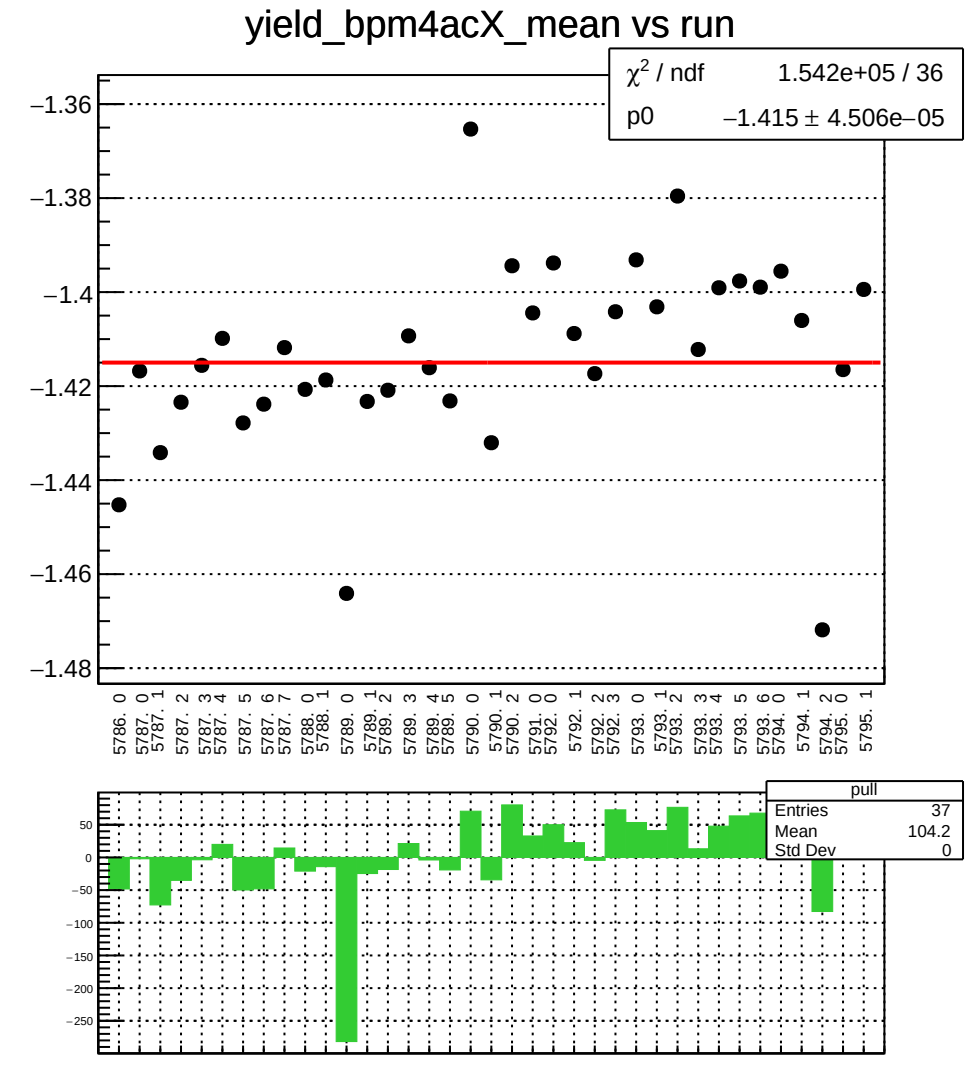

yield_bpm4aY_rms vs run
χ² / ndf 1.034e+05 / 36
p0 0.04494 ± 5.576e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

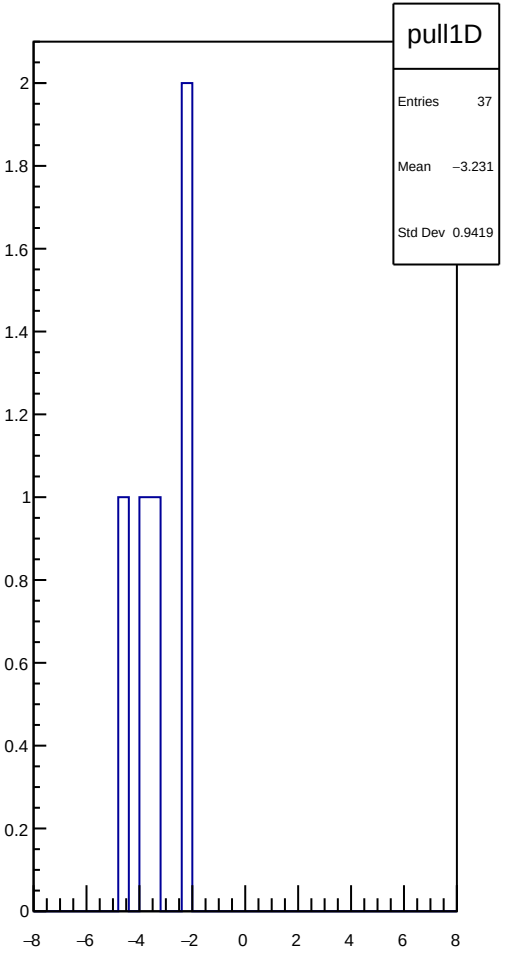

yield_bpm4eX_mean vs run
χ² / ndf 9.882e+04 / 36
p0 −0.2305 ± 3.501e−05
pull
Entries 37
Mean 284.8
Std Dev 0
pull1D
Entries 37
Mean −1.092
Std Dev 4.683

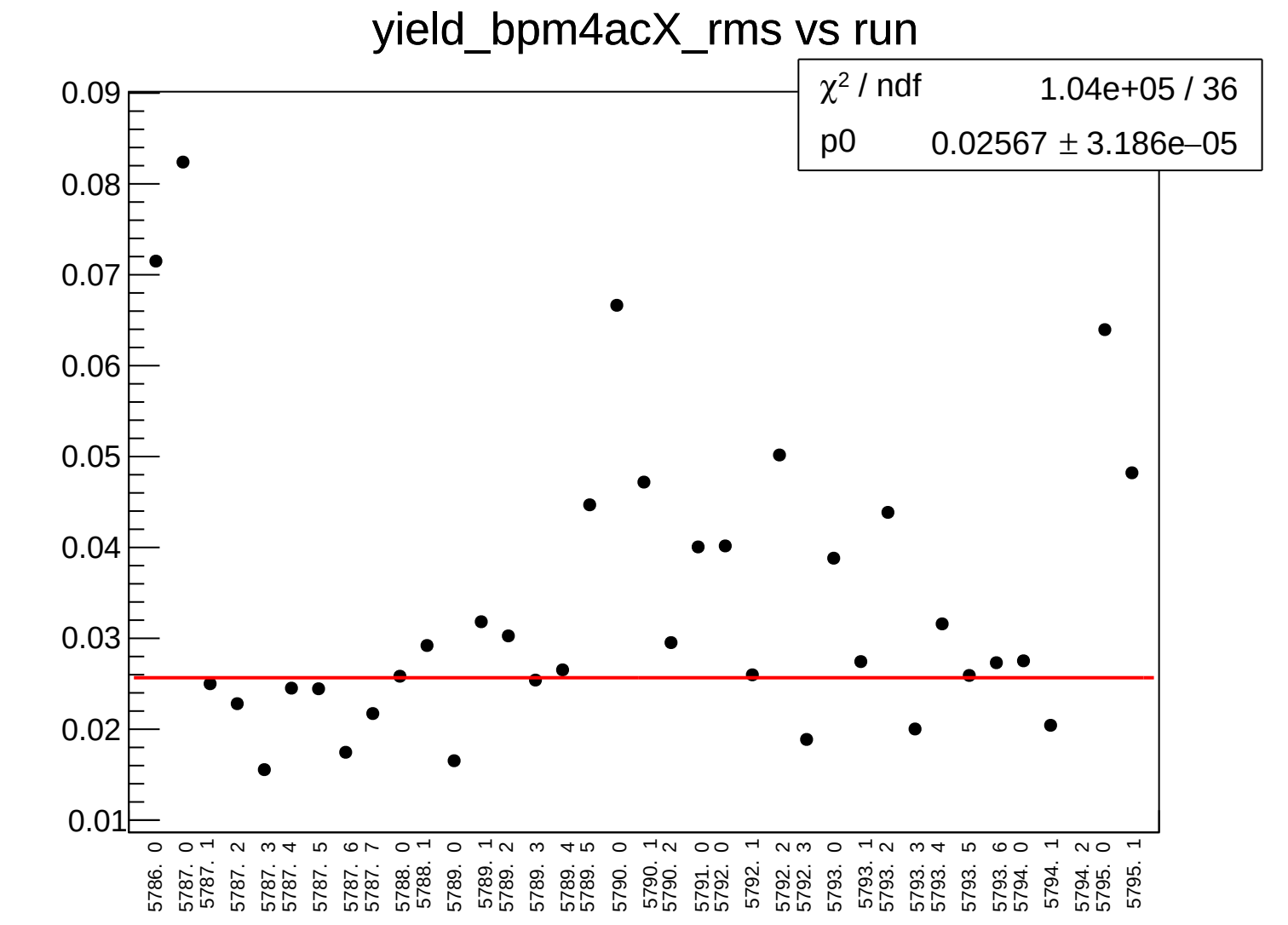

yield_bpm4eX_rms vs run
χ² / ndf 9.715e+04 / 36
p0 0.02005 ± 2.476e–05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

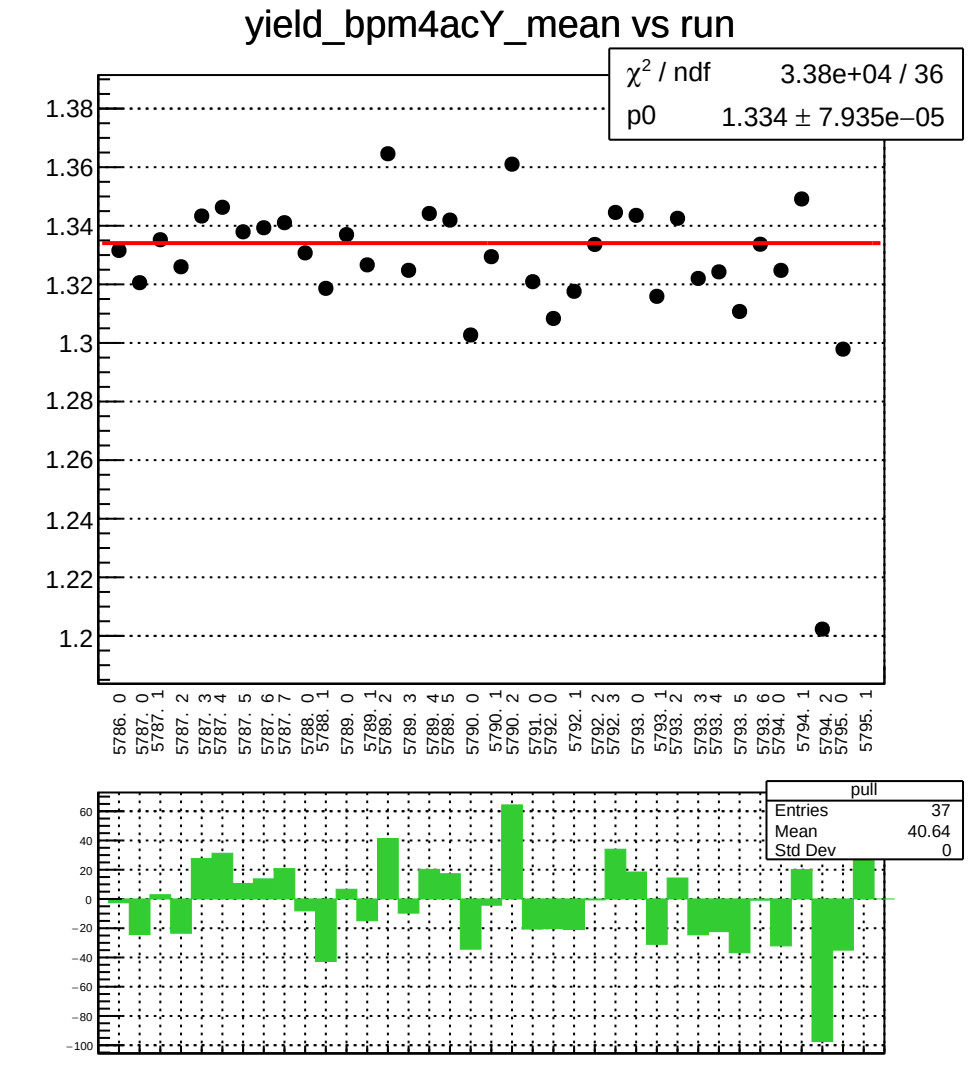

yield_bpm4eY_mean vs run
χ² / ndf 4.137e+04 / 36
p0 1.412 ± 7.56e−05
1.45
1.4
1.35
1.3
1.25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.6
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100
pull1D
Entries 37
Mean −1.851
Std Dev 2.881
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

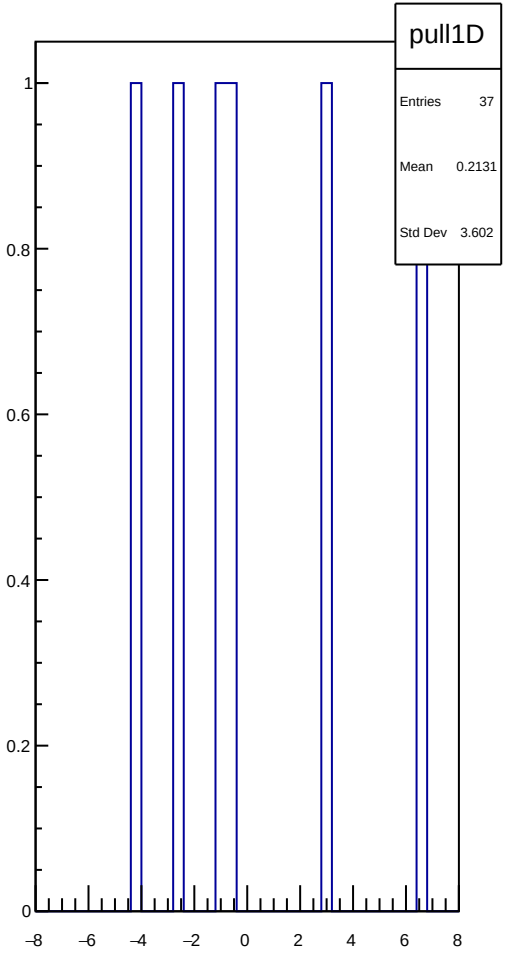

yield_bpm4eY_rms vs run
χ² / ndf 1.139e+05 / 36
p0 0.04274 ± 5.346e−05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

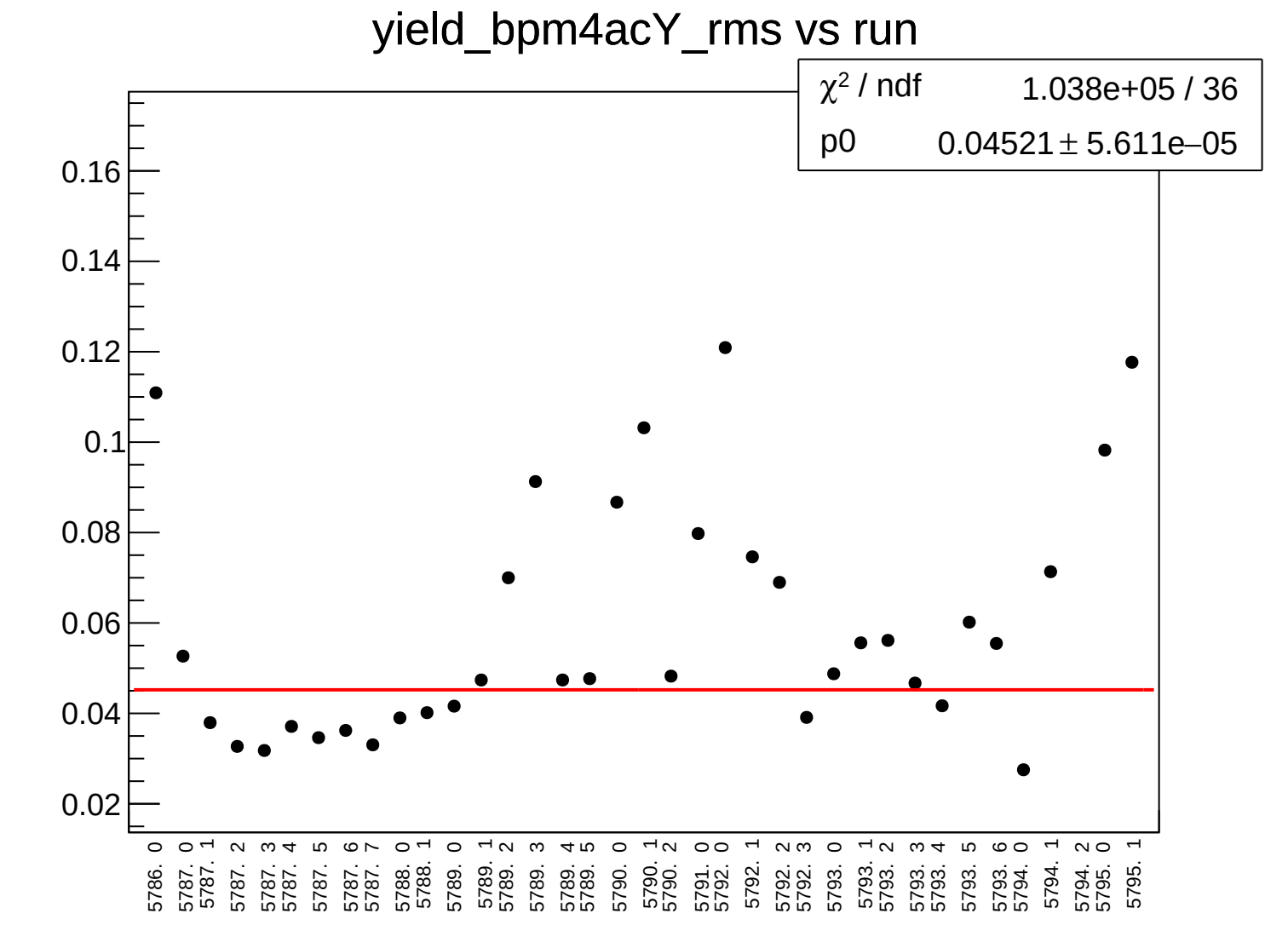

yield_bpm4acX_mean vs run
χ² / ndf 1.542e+05 / 36
p0 −1.415 ± 4.506e−05
−1.36
−1.38
−1.4
−1.42
−1.44
−1.46
−1.48
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 104.2
Std Dev 0
50
0
−50
−100
−150
−200
−250


pull1D
Entries 37
Mean −3.231
Std Dev 0.9419
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 1.04e+05 / 36
p0 0.02567 ± 3.186e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


yield_bpm4acY_mean vs run
χ² / ndf 3.38e+04 / 36
p0 1.334 ± 7.935e−05
1.38
1.36
1.34
1.32
1.3
1.28
1.26
1.24
1.22
1.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.64
Std Dev 0
60
40
20
0
−20
−40
−60
−80
−100


pull1D
Entries 37
Mean 0.2131
Std Dev 3.602
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4acY_rms vs run
χ² / ndf 1.038e+05 / 36
p0 0.04521 ± 5.611e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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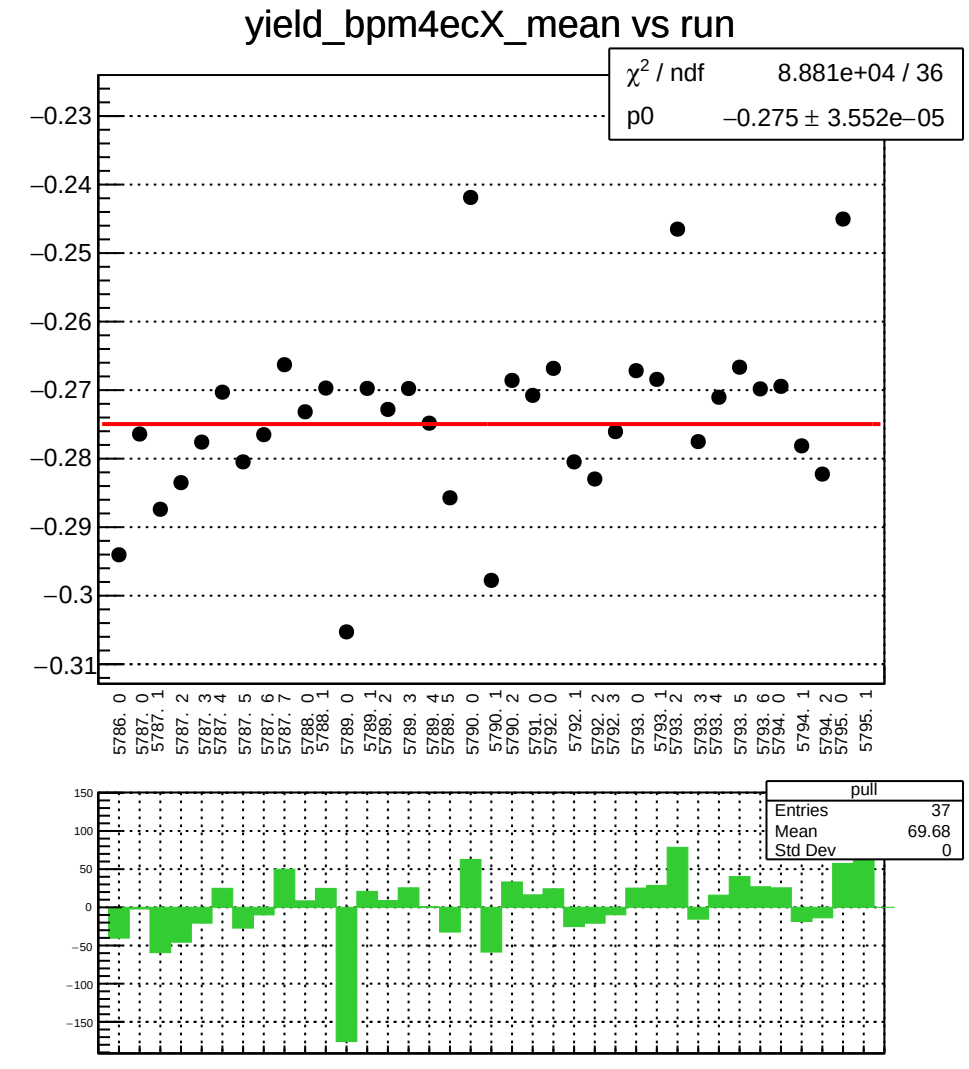
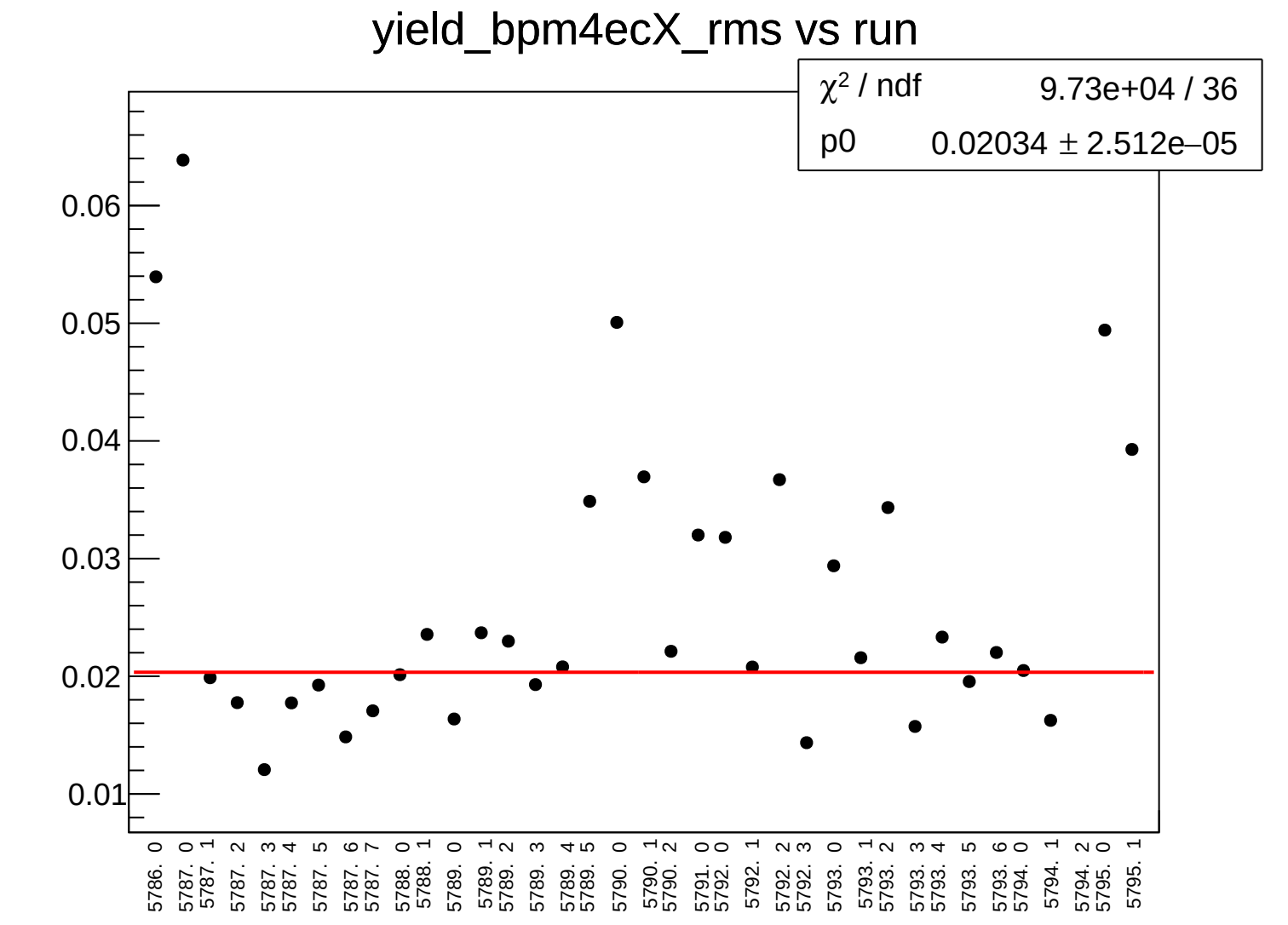
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


yield_bpm4ecX_mean vs run
χ² / ndf 8.881e+04 / 36
p0 −0.275 ± 3.552e−05
−0.23
−0.24
−0.25
−0.26
−0.27
−0.28
−0.29
−0.3
−0.31
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
150
100
50
0
−50
−100
−150
pull
Entries 37
Mean 69.68
Std Dev 0
pull1D
Entries 37
Mean −0.7786
Std Dev 1.38
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm4ecX_rms vs run
χ² / ndf 9.73e+04 / 36
p0 0.02034 ± 2.512e−05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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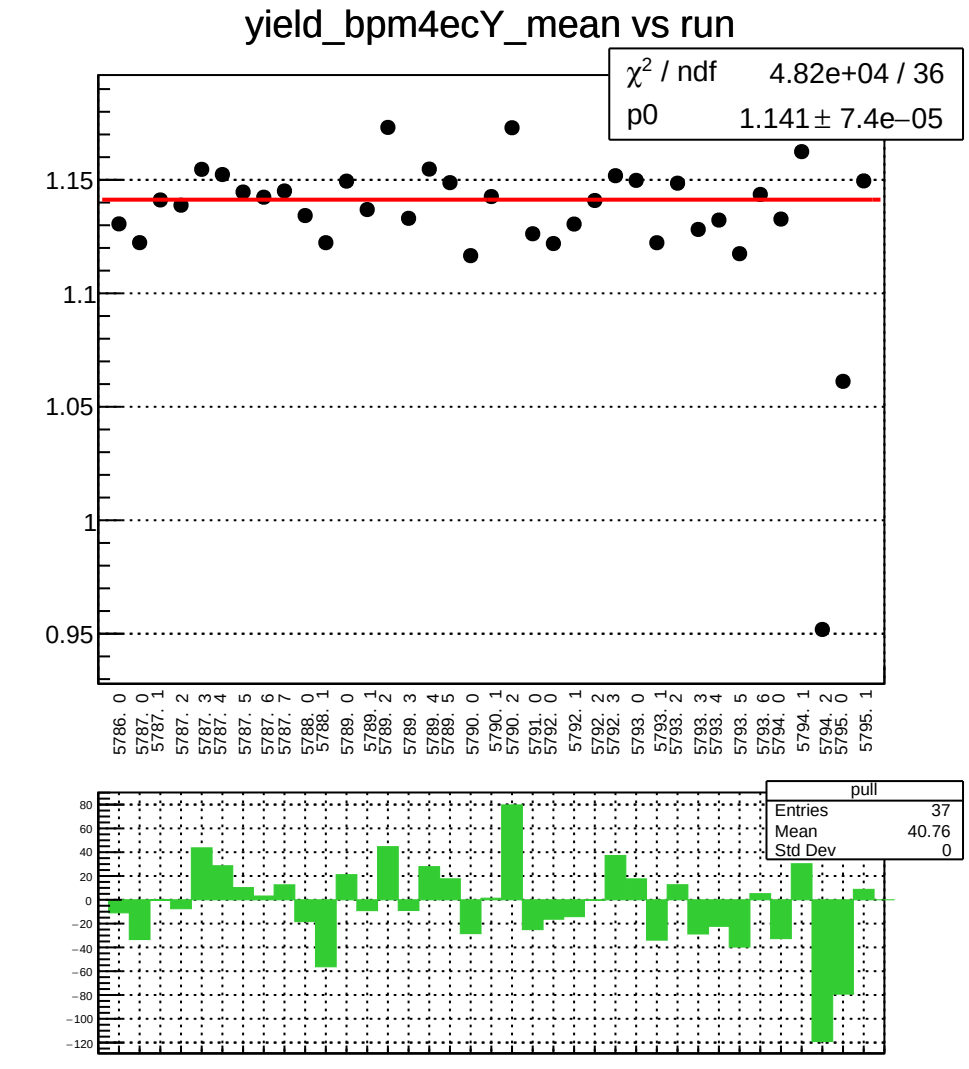
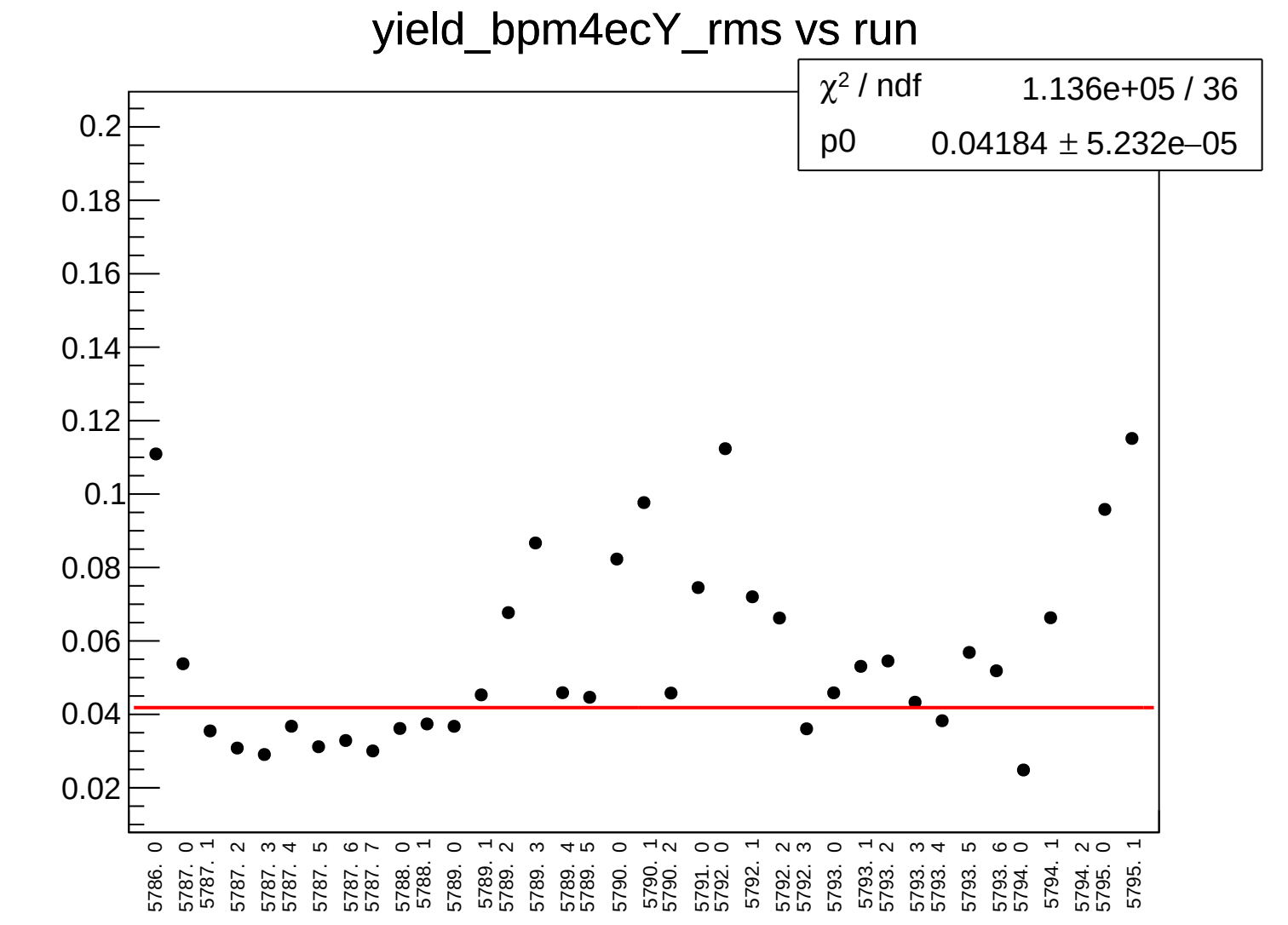
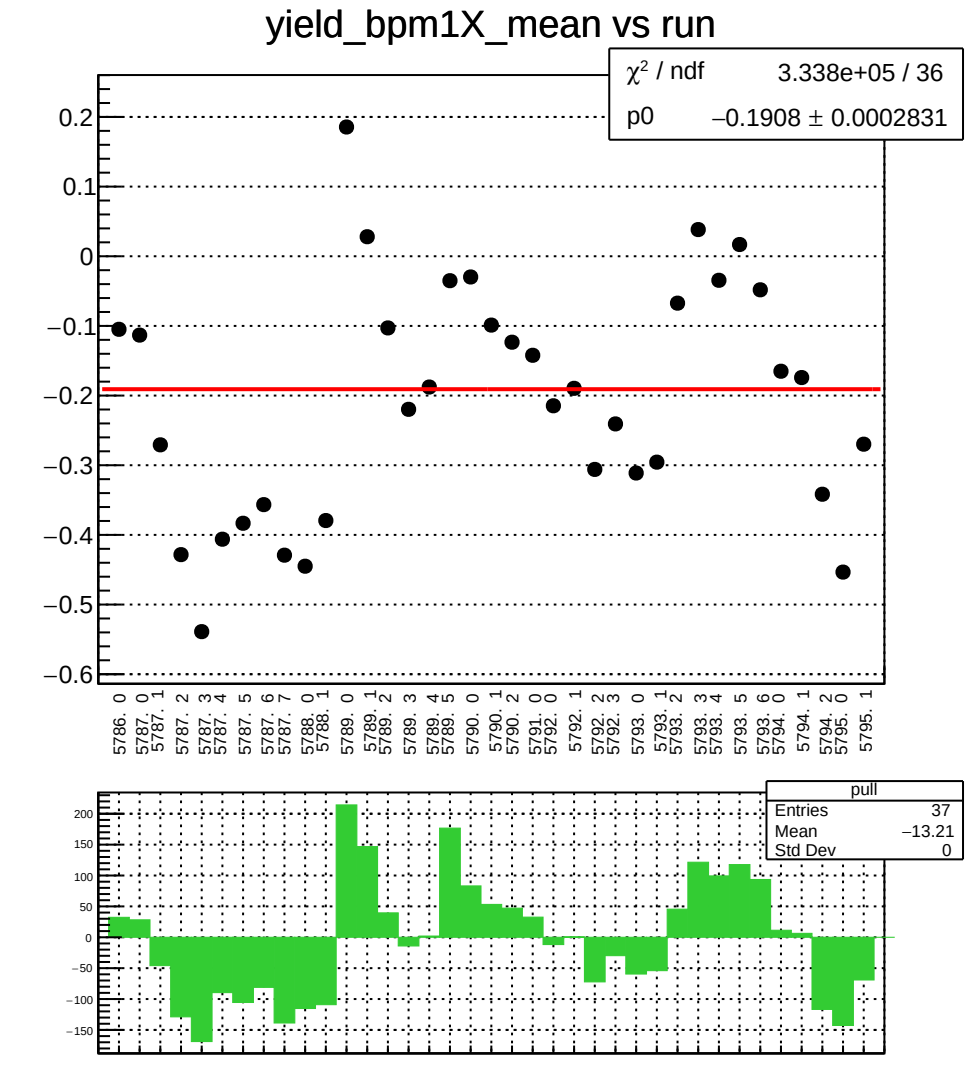
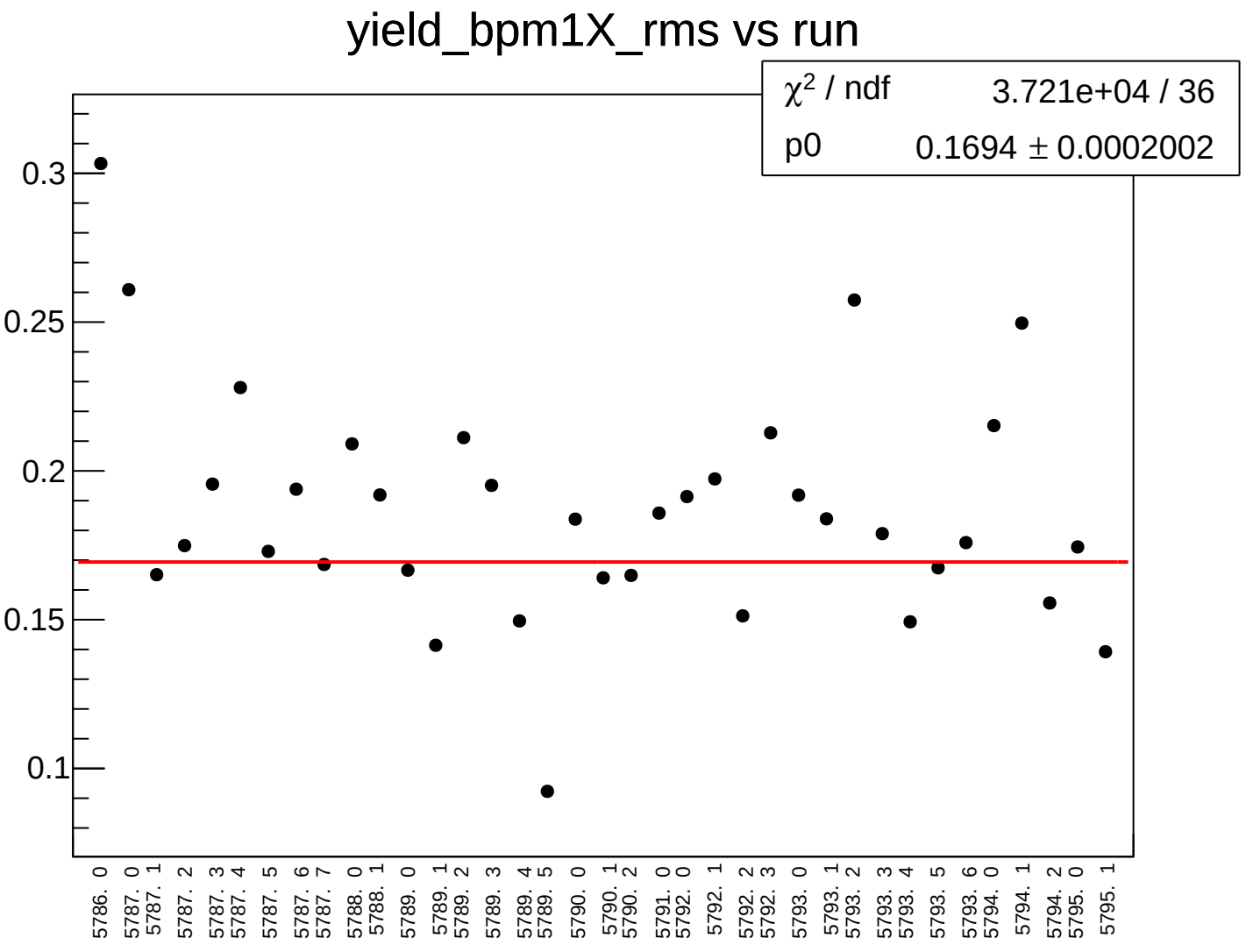
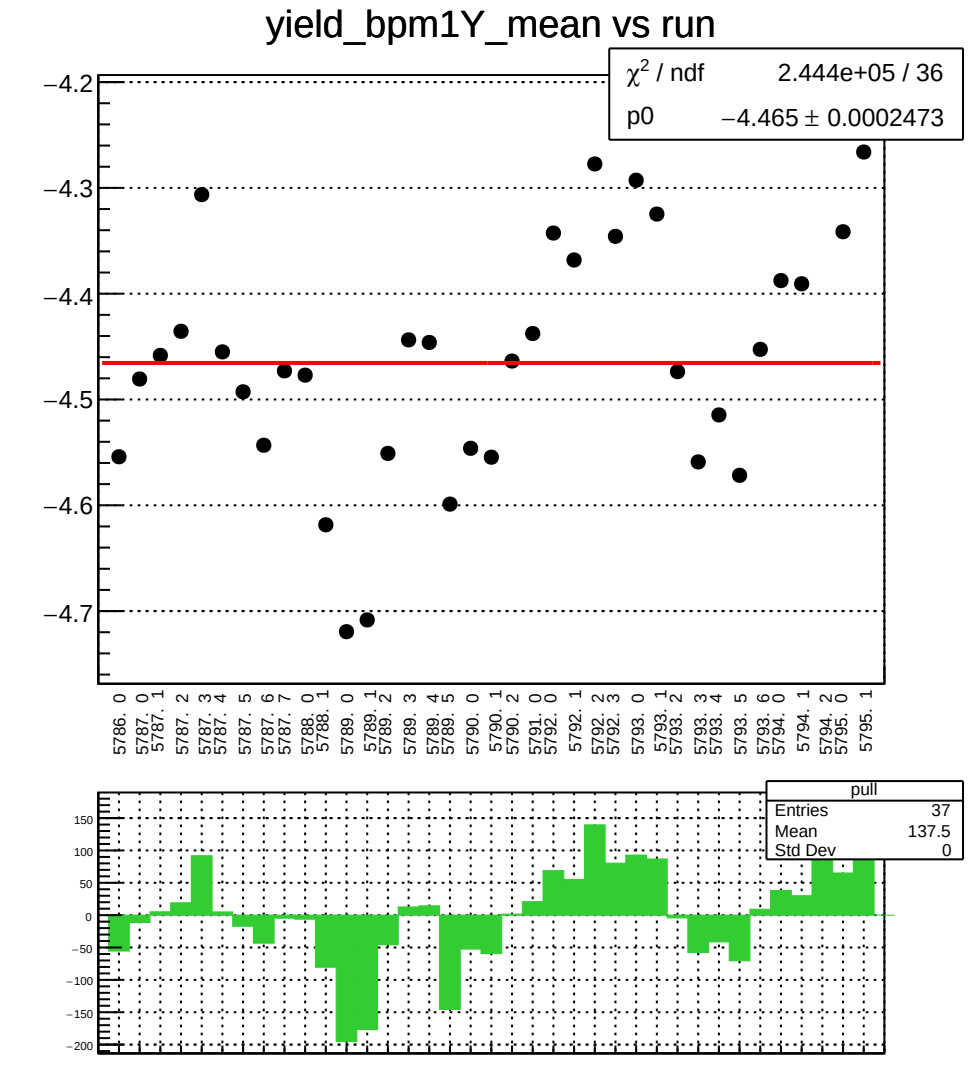
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

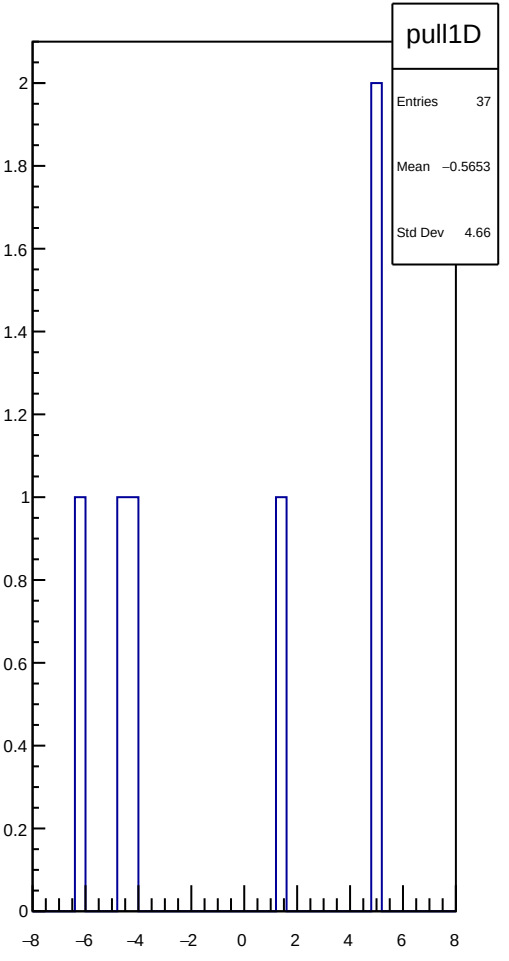

yield_bpm4ecY_mean vs run
χ² / ndf 4.82e+04 / 36
p0 1.141 ± 7.4e−05
1.15
1.1
1.05
1
0.95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 40.76
Std Dev 0
80
60
40
20
0
−20
−40
−60
−80
−100
−120
pull1D
Entries 37
Mean 0.2212
Std Dev 3.962
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

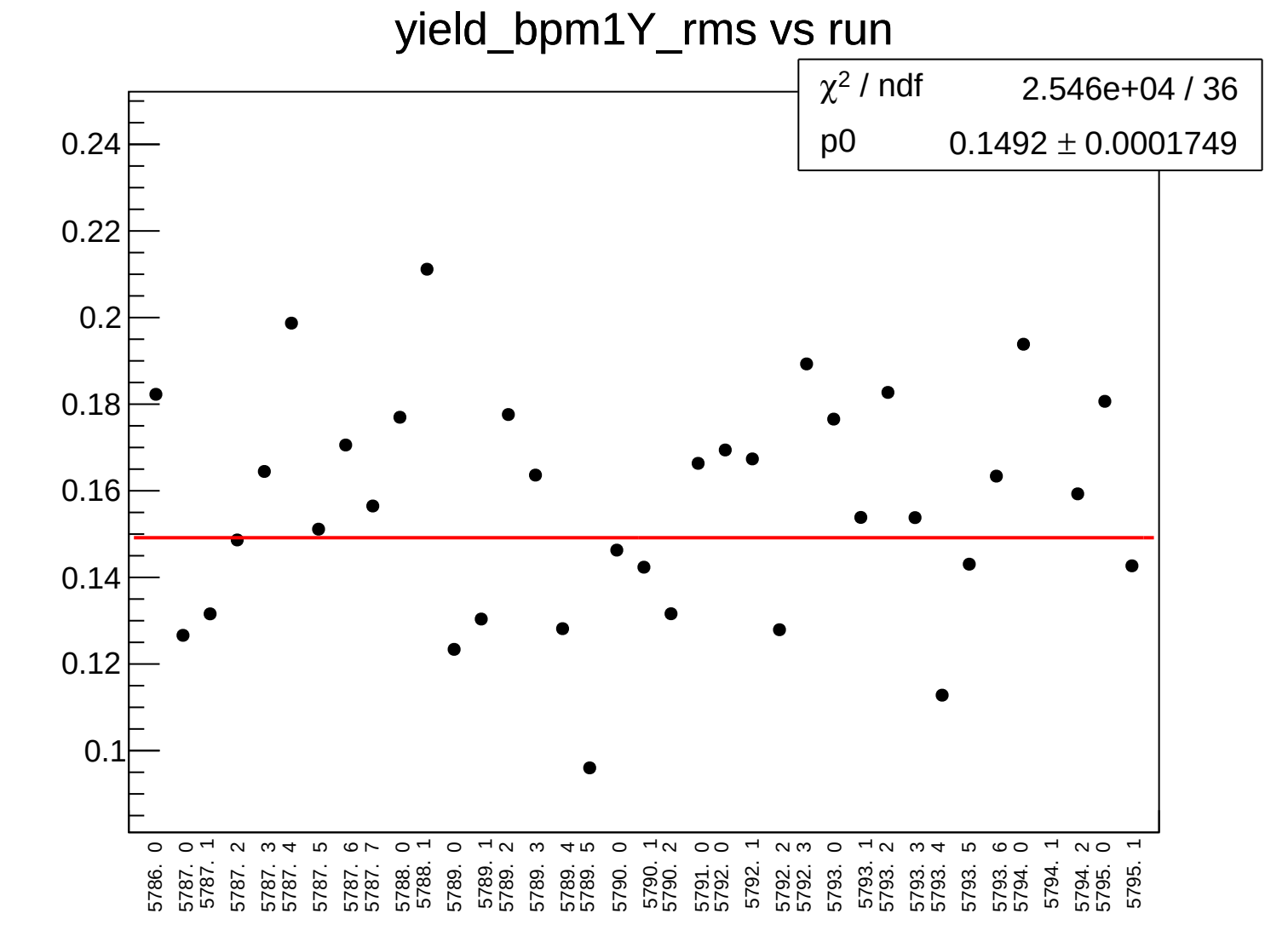

yield_bpm4ecY_rms vs run
χ² / ndf 1.136e+05 / 36
p0 0.04184 ± 5.232e–05
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

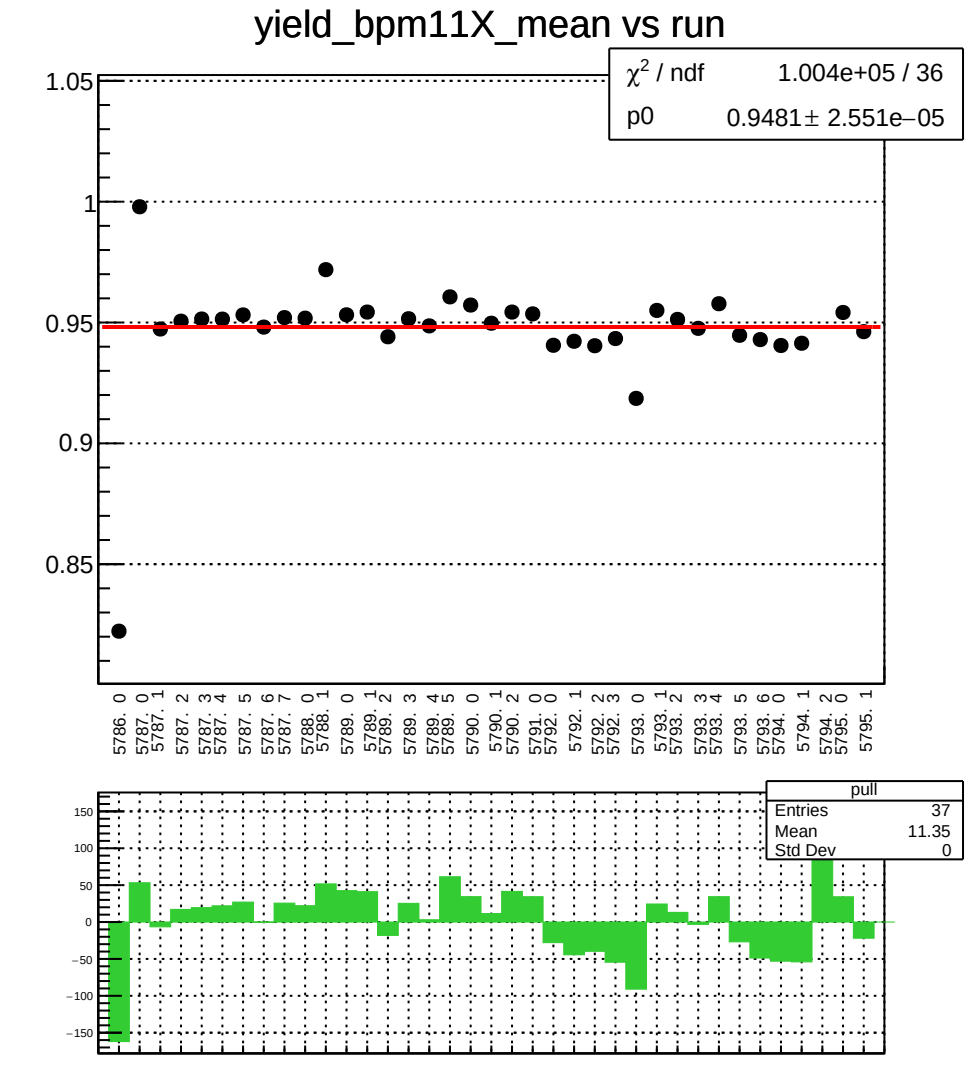

yield_bpm1X_mean vs run
χ² / ndf 3.338e+05 / 36
p0 −0.1908 ± 0.0002831
pull
Entries 37
Mean −13.21
Std Dev 0
pull1D
Entries 37
Mean 2.975
Std Dev 2.454

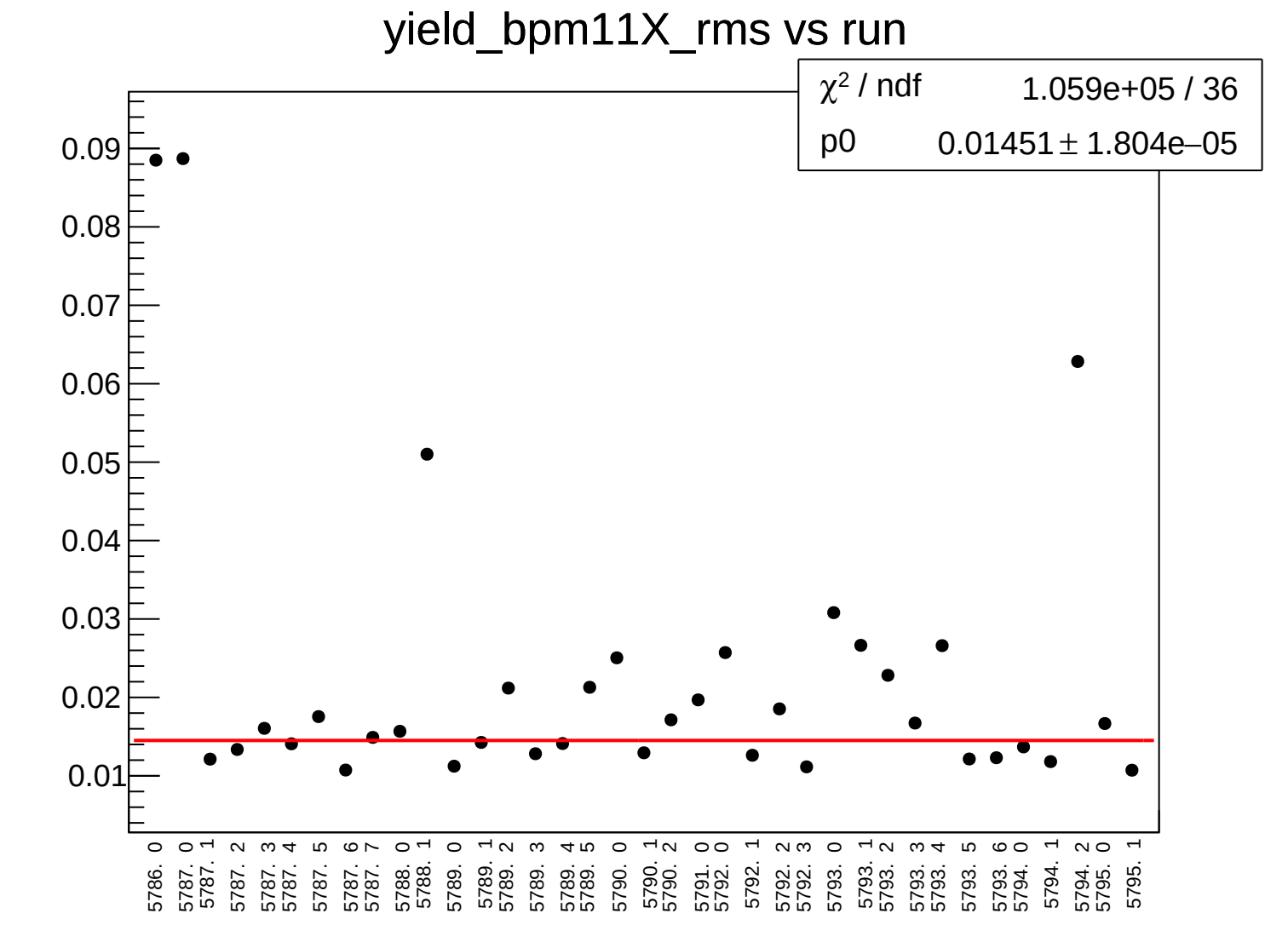

yield_bpm1X_rms vs run
χ² / ndf 3.721e+04 / 36
p0 0.1694 ± 0.0002002
0.3
0.25
0.2
0.15
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

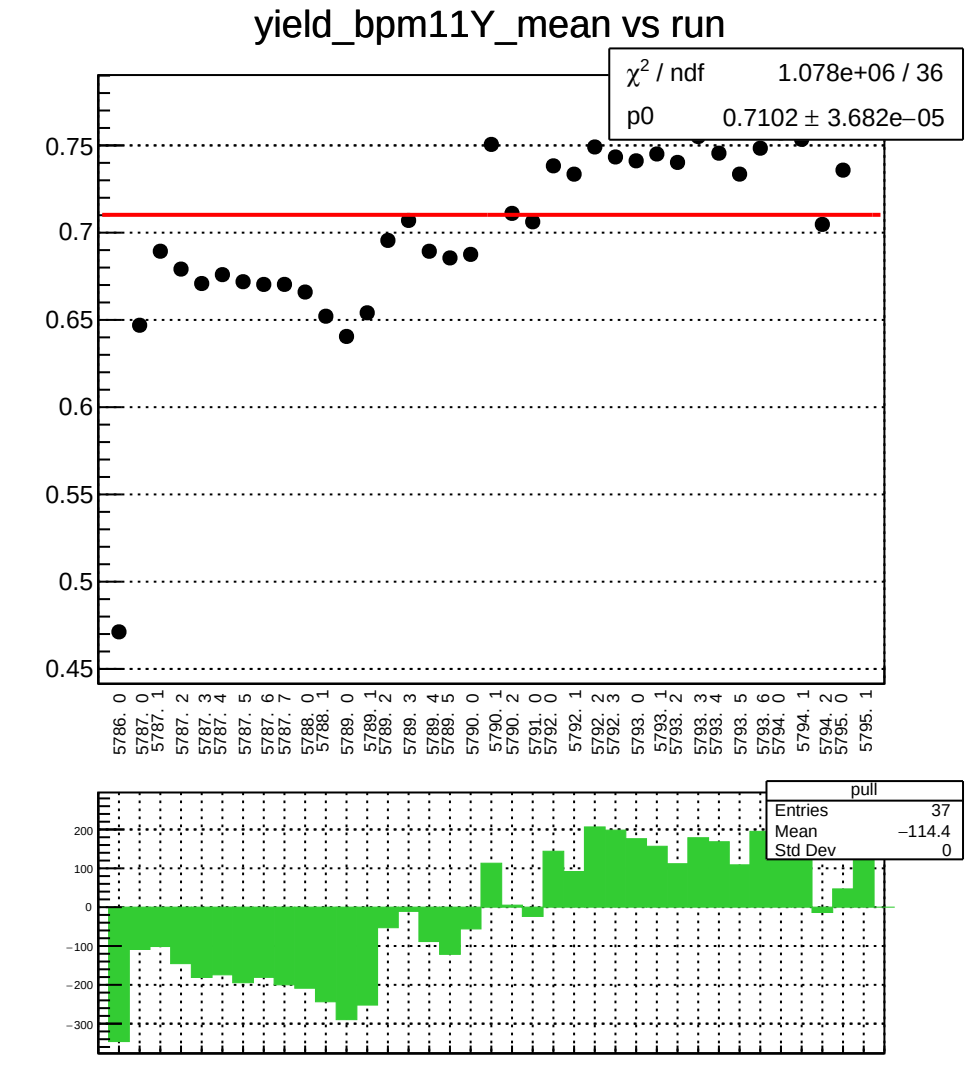

yield_bpm1Y_mean vs run
χ² / ndf 2.444e+05 / 36
p0 −4.465 ± 0.0002473
−4.2
−4.3
−4.4
−4.5
−4.6
−4.7
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 137.5
Std Dev 0
150
100
50
0
−50
−100
−150
−200

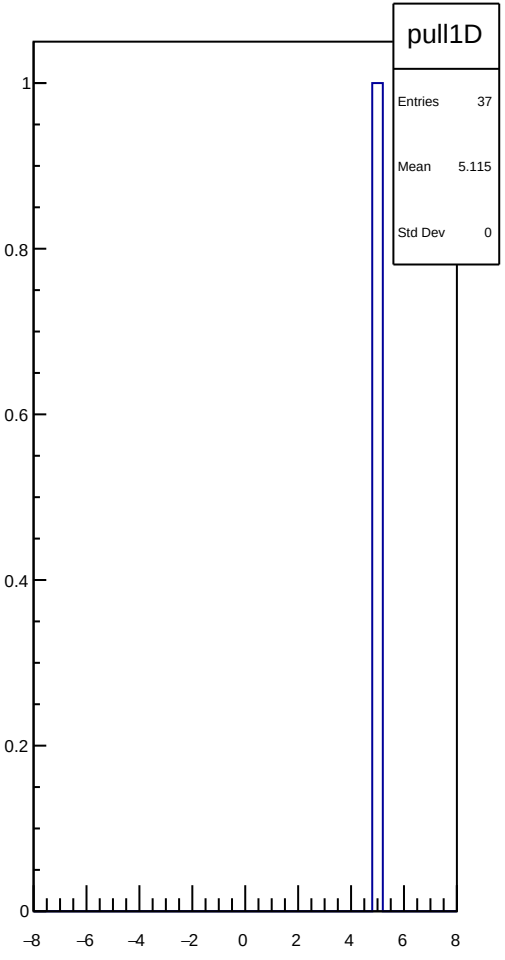

pull1D
Entries 37
Mean −0.5653
Std Dev 4.66
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

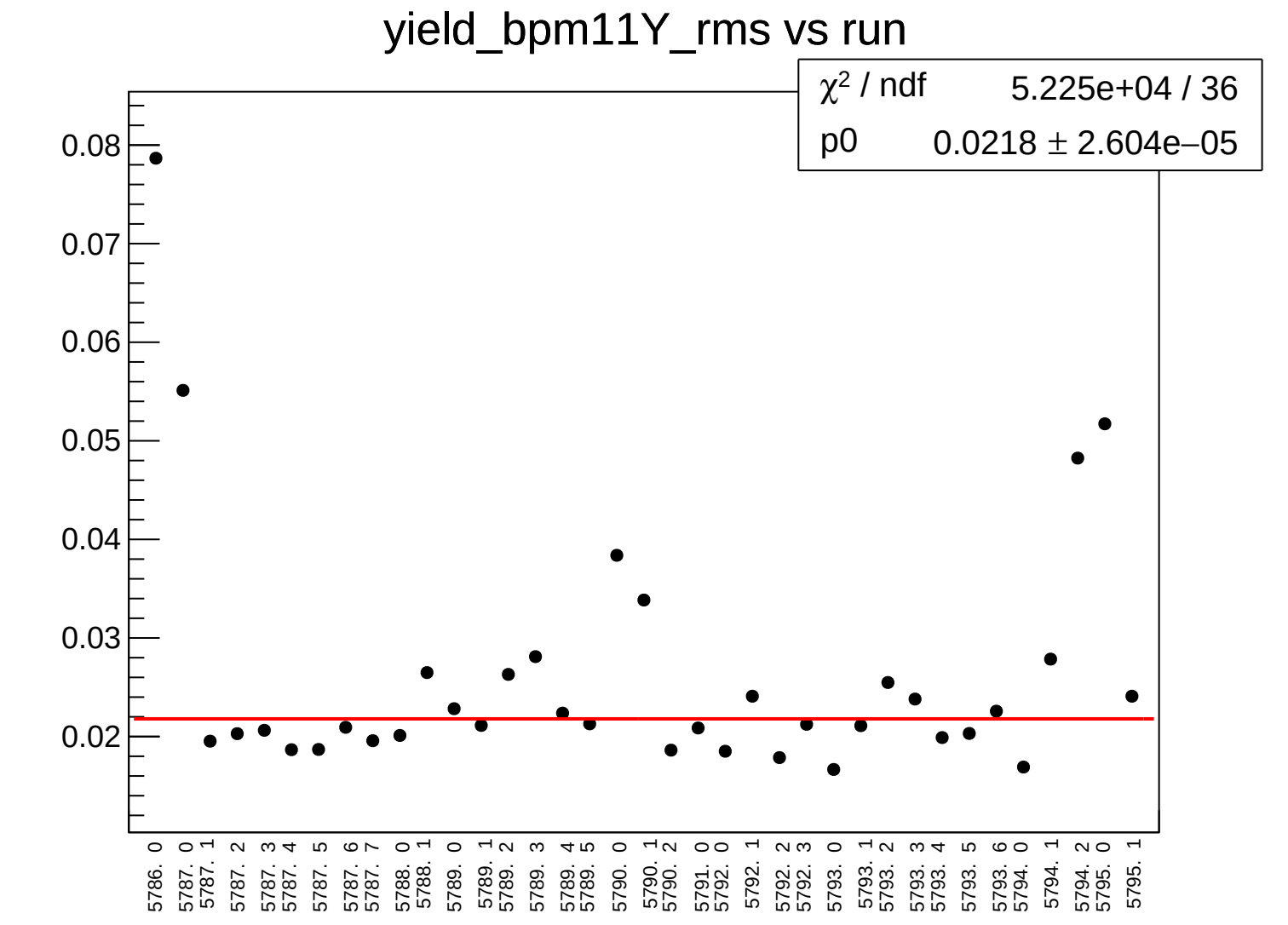

yield_bpm1Y_rms vs run
χ2 / ndf 2.546e+04 / 36
p0 0.1492 ± 0.0001749
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

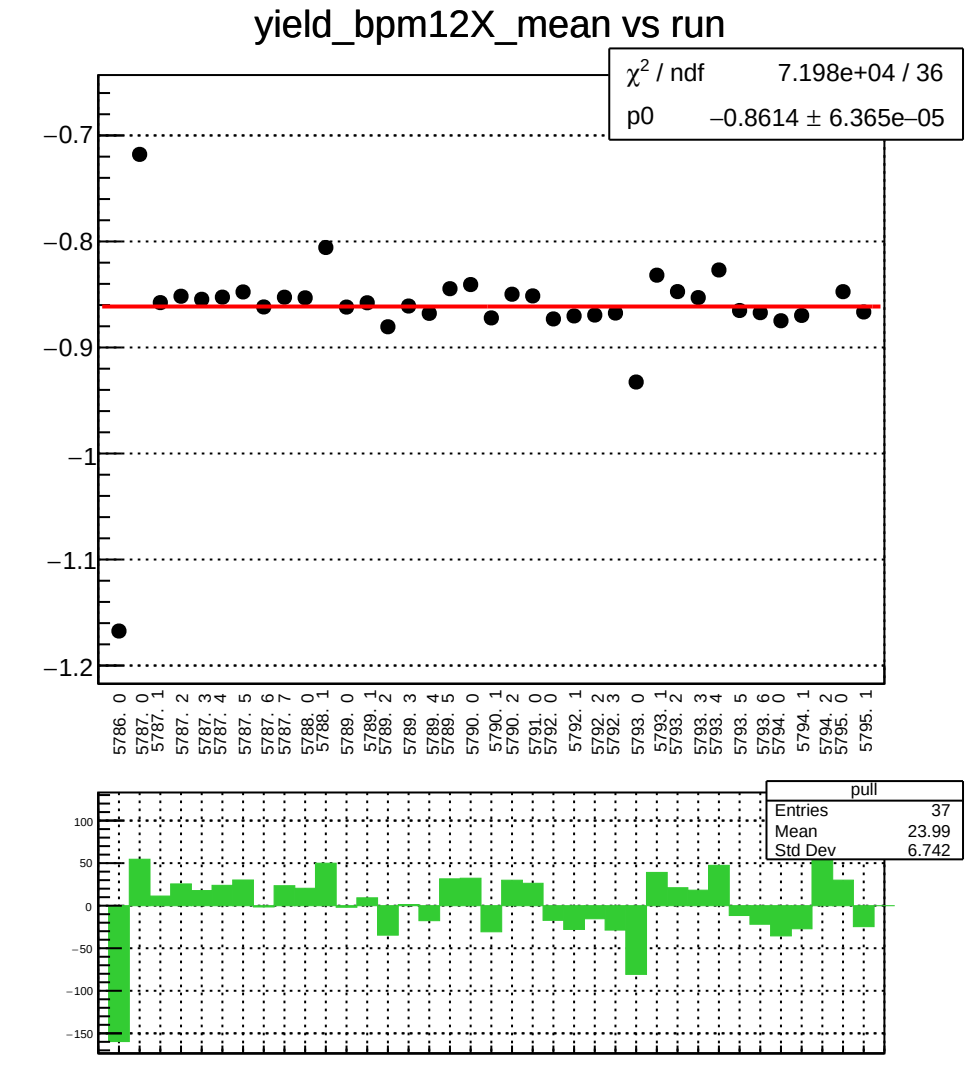

yield_bpm11X_mean vs run
χ² / ndf 1.004e+05 / 36
p0 0.9481 ± 2.551e−05
1.05
1
0.95
0.9
0.85
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.35
Std Dev 0
150
100
50
0
−50
−100
−150
pull1D
Entries 37
Mean −1.731
Std Dev 3.521
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

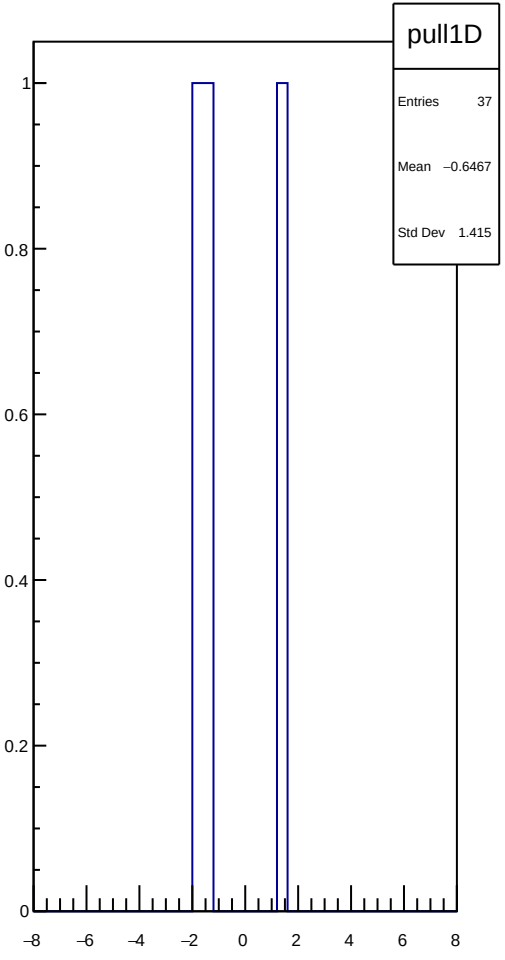

yield_bpm11X_rms vs run
χ² / ndf 1.059e+05 / 36
p0 0.01451 ± 1.804e–05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

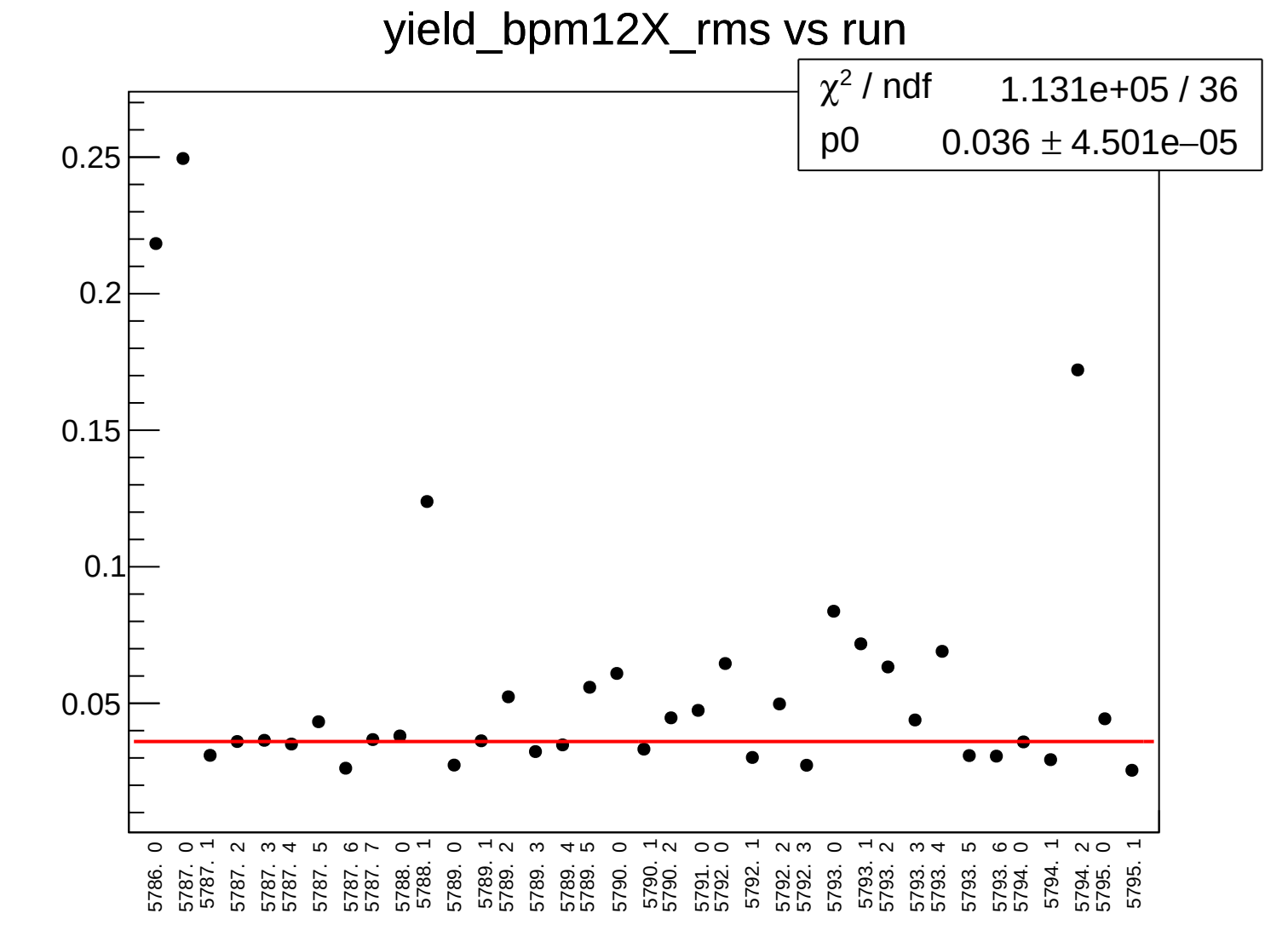

yield_bpm11Y_mean vs run
χ² / ndf 1.078e+06 / 36
p0 0.7102 ± 3.682e−05
0.75
0.7
0.65
0.6
0.55
0.5
0.45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −114.4
Std Dev 0
200
100
0
−100
−200
−300


pull1D
Entries 37
Mean 5.115
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


yield_bpm11Y_rms vs run
χ² / ndf 5.225e+04 / 36
p0 0.0218 ± 2.604e−05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


yield_bpm12X_mean vs run
χ² / ndf 7.198e+04 / 36
p0 −0.8614 ± 6.365e−05
pull
Entries 37
Mean 23.99
Std Dev 6.742


pull1D
Entries 37
Mean −0.6467
Std Dev 1.415


yield_bpm12X_rms vs run
χ² / ndf 1.131e+05 / 36
p0 0.036 ± 4.501e–05
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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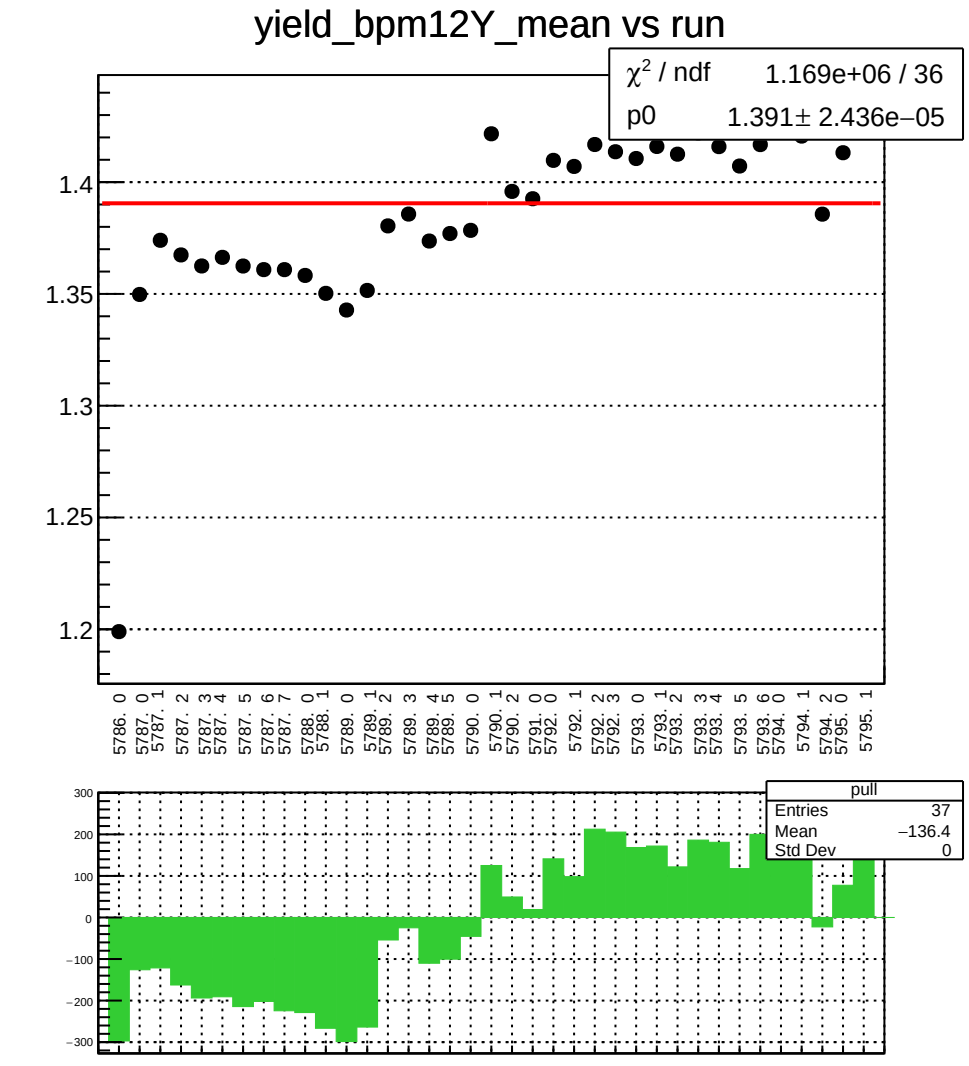
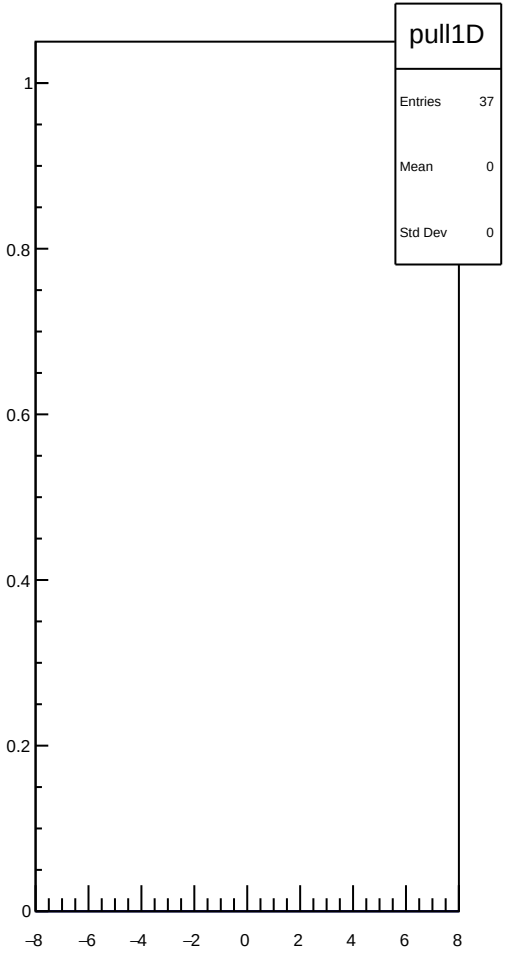
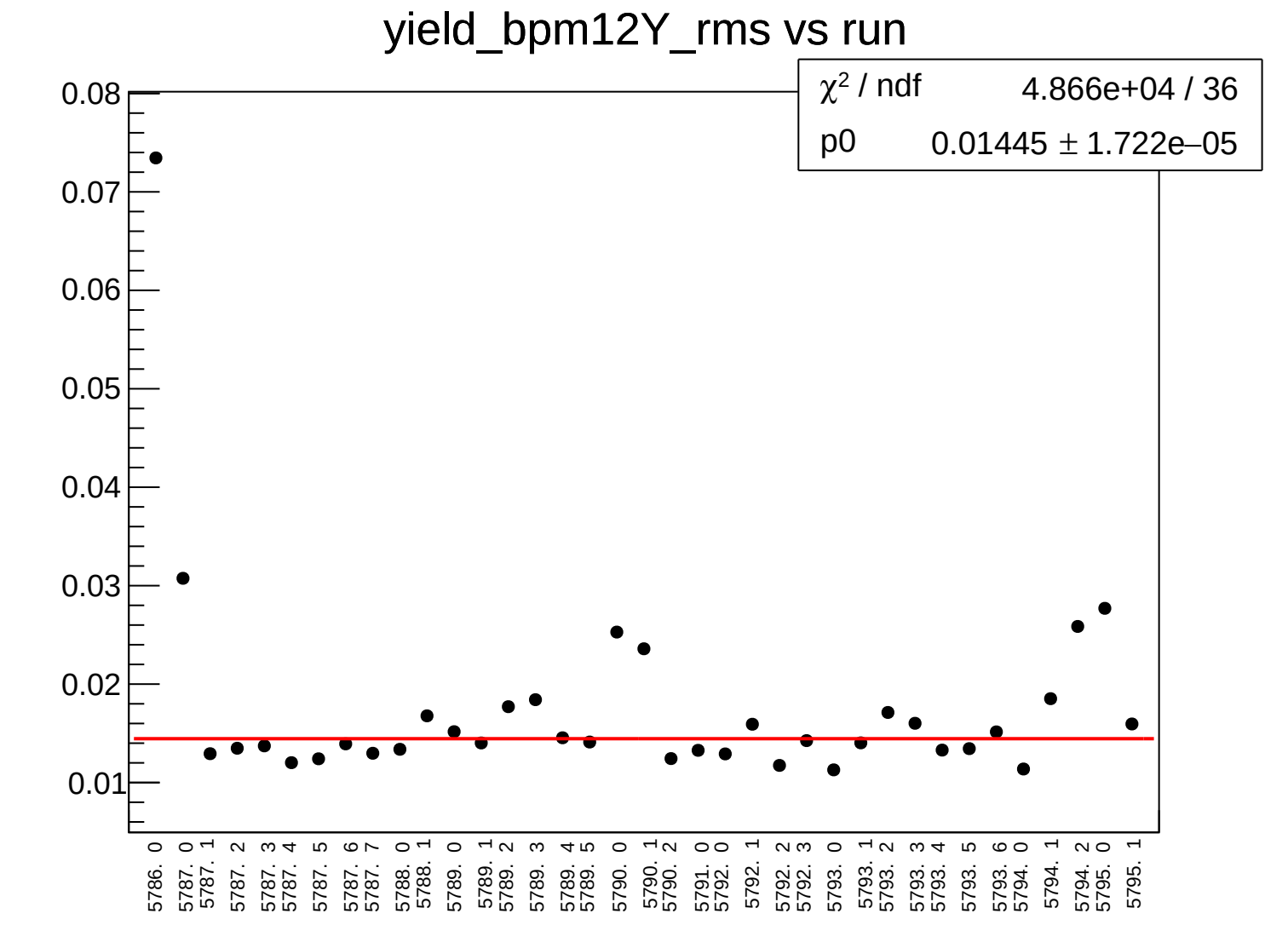
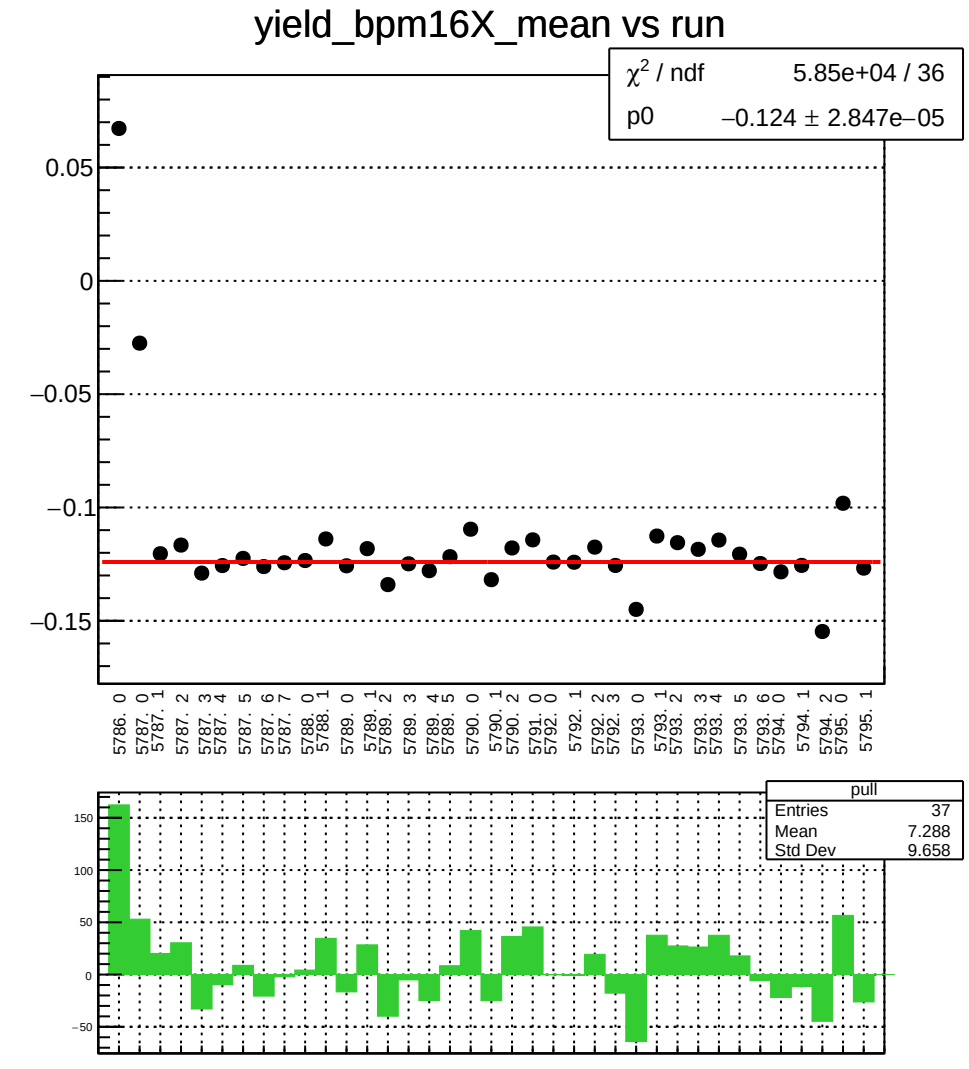
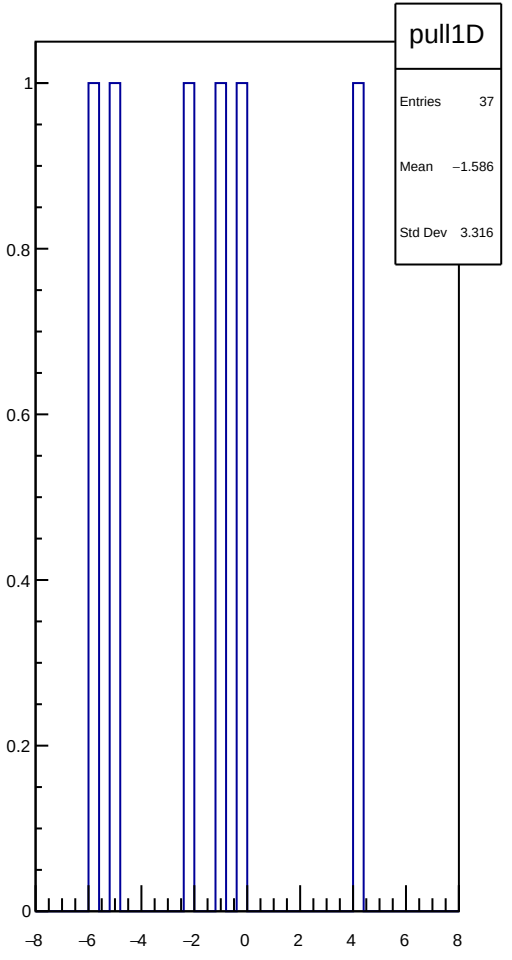
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

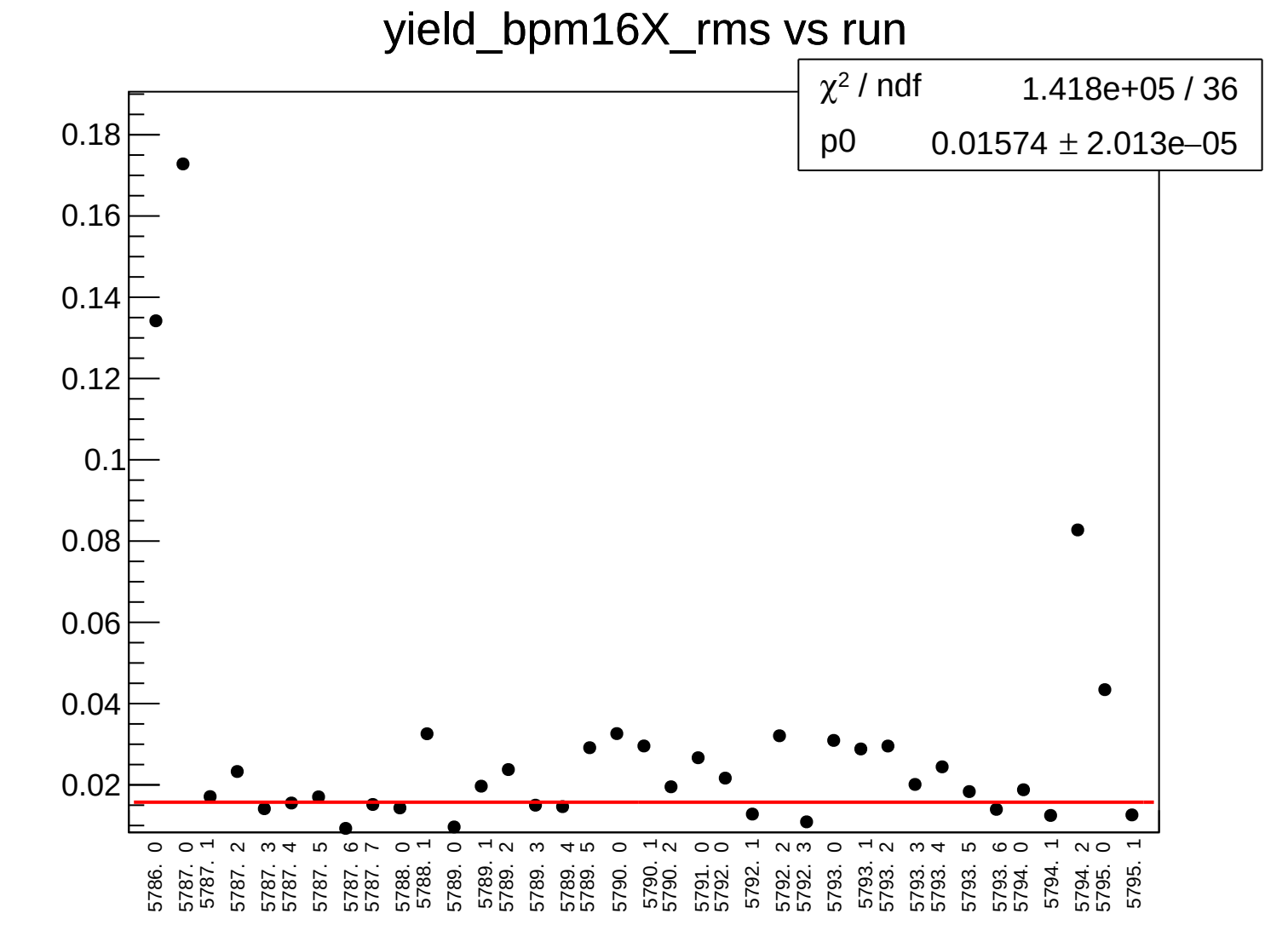

yield_bpm12Y_mean vs run
χ² / ndf 1.169e+06 / 36
p0 1.391± 2.436e−05
1.4
1.35
1.3
1.25
1.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −136.4
Std Dev 0
300
200
100
0
−100
−200
−300

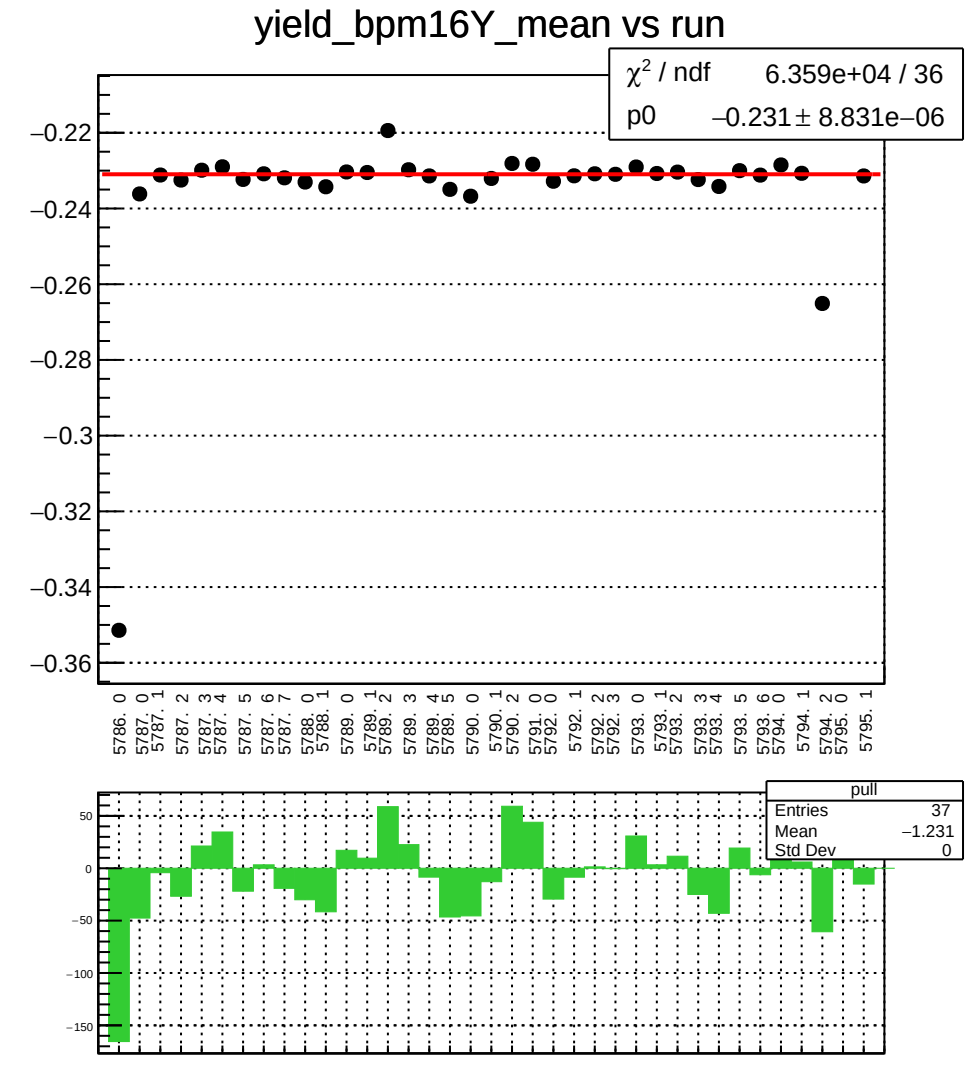

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

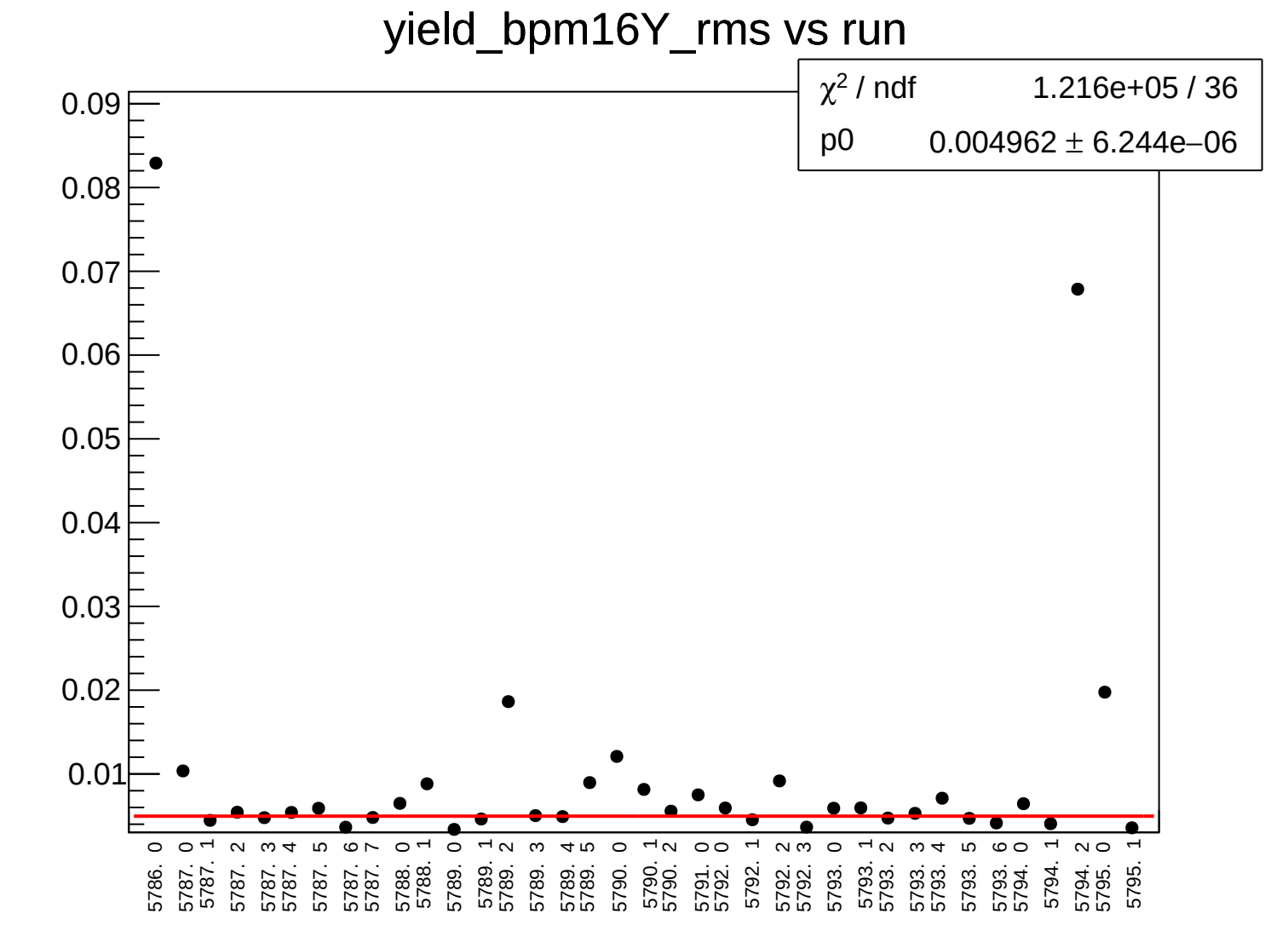

yield_bpm12Y_rms vs run
χ² / ndf 4.866e+04 / 36
p0 0.01445 ± 1.722e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

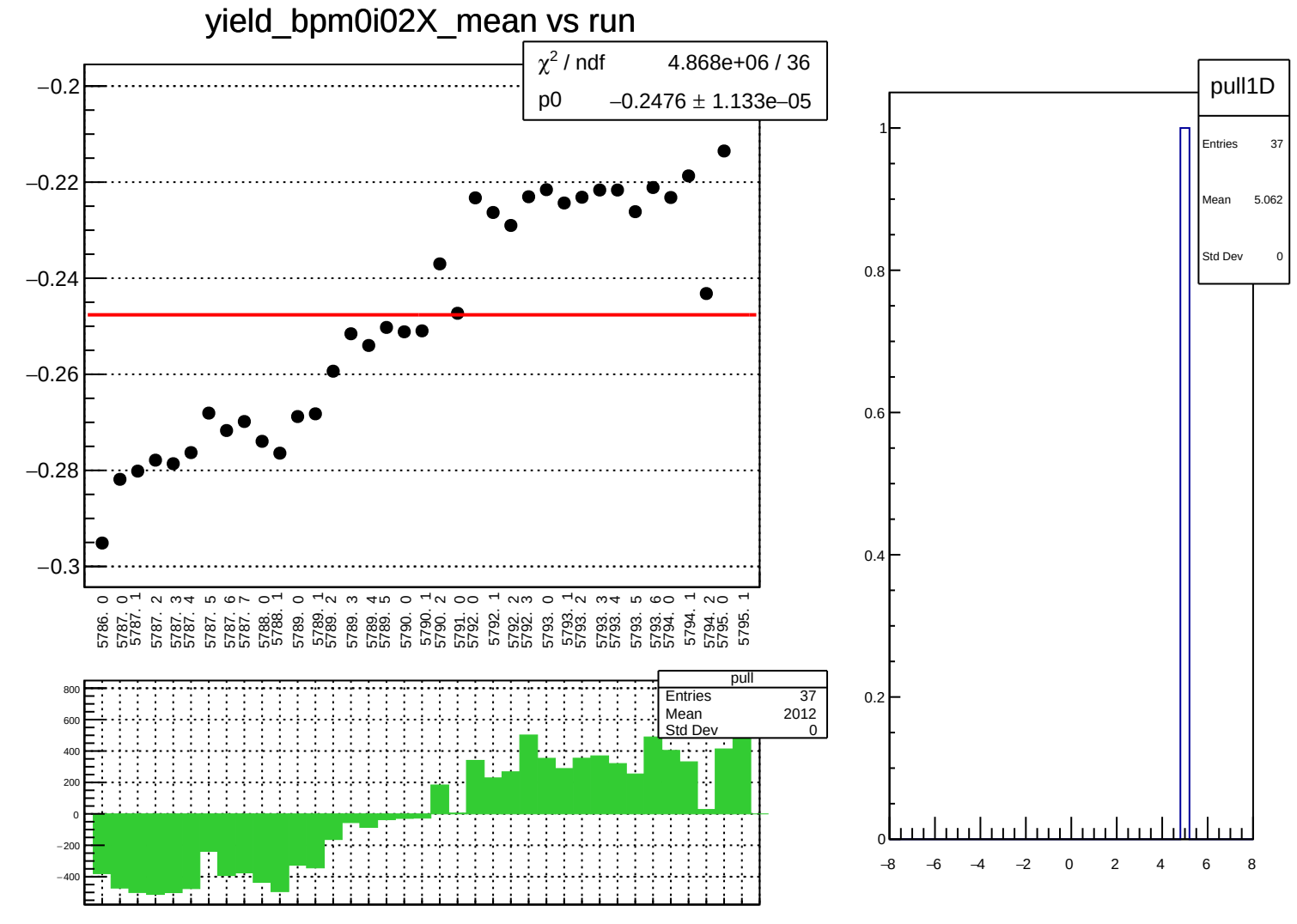

yield_bpm16X_mean vs run
χ² / ndf 5.85e+04 / 36
p0 −0.124 ± 2.847e−05
0.05
0
−0.05
−0.1
−0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.288
Std Dev 9.658
150
100
50
0
−50

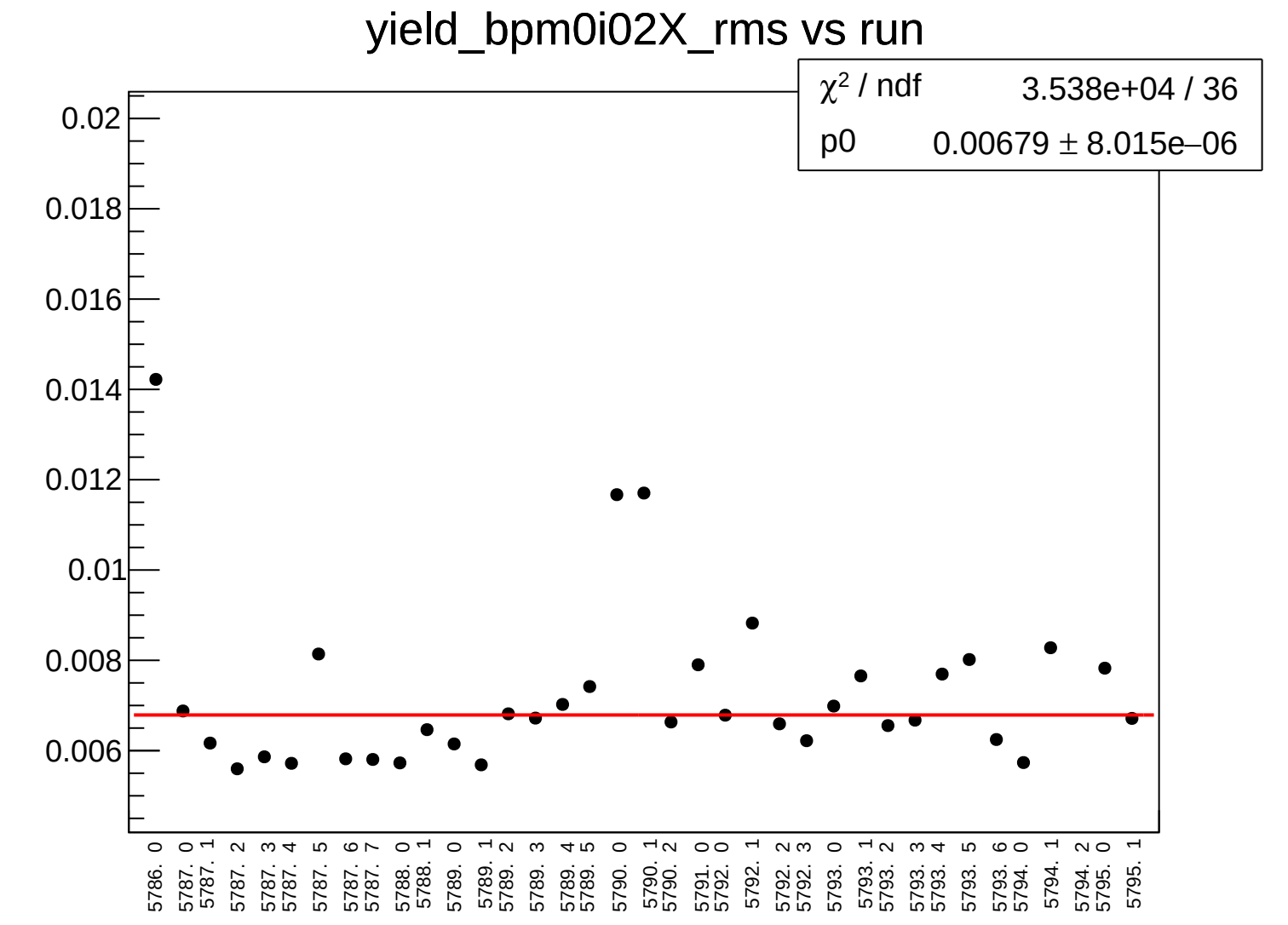

pull1D
Entries 37
Mean −1.586
Std Dev 3.316
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

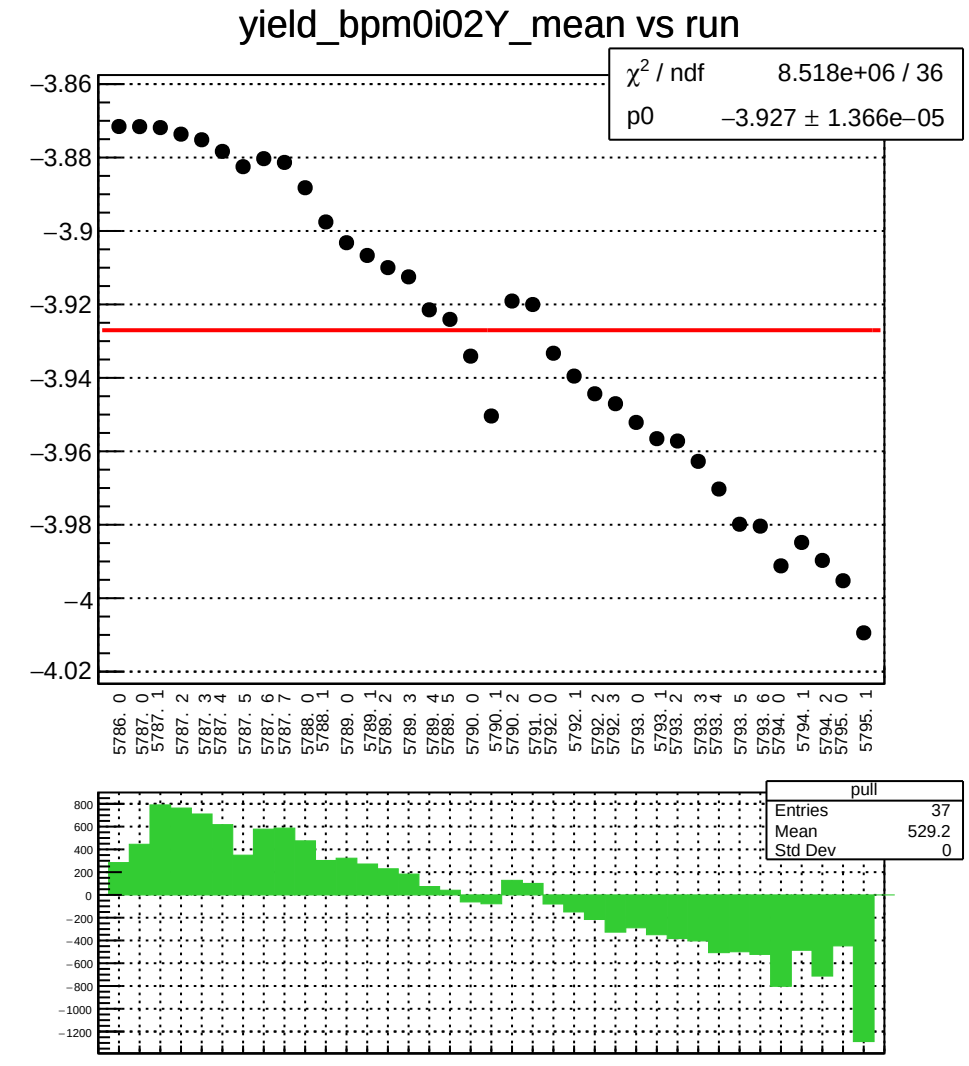

yield_bpm16X_rms vs run
χ² / ndf 1.418e+05 / 36
p0 0.01574 ± 2.013e–05
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

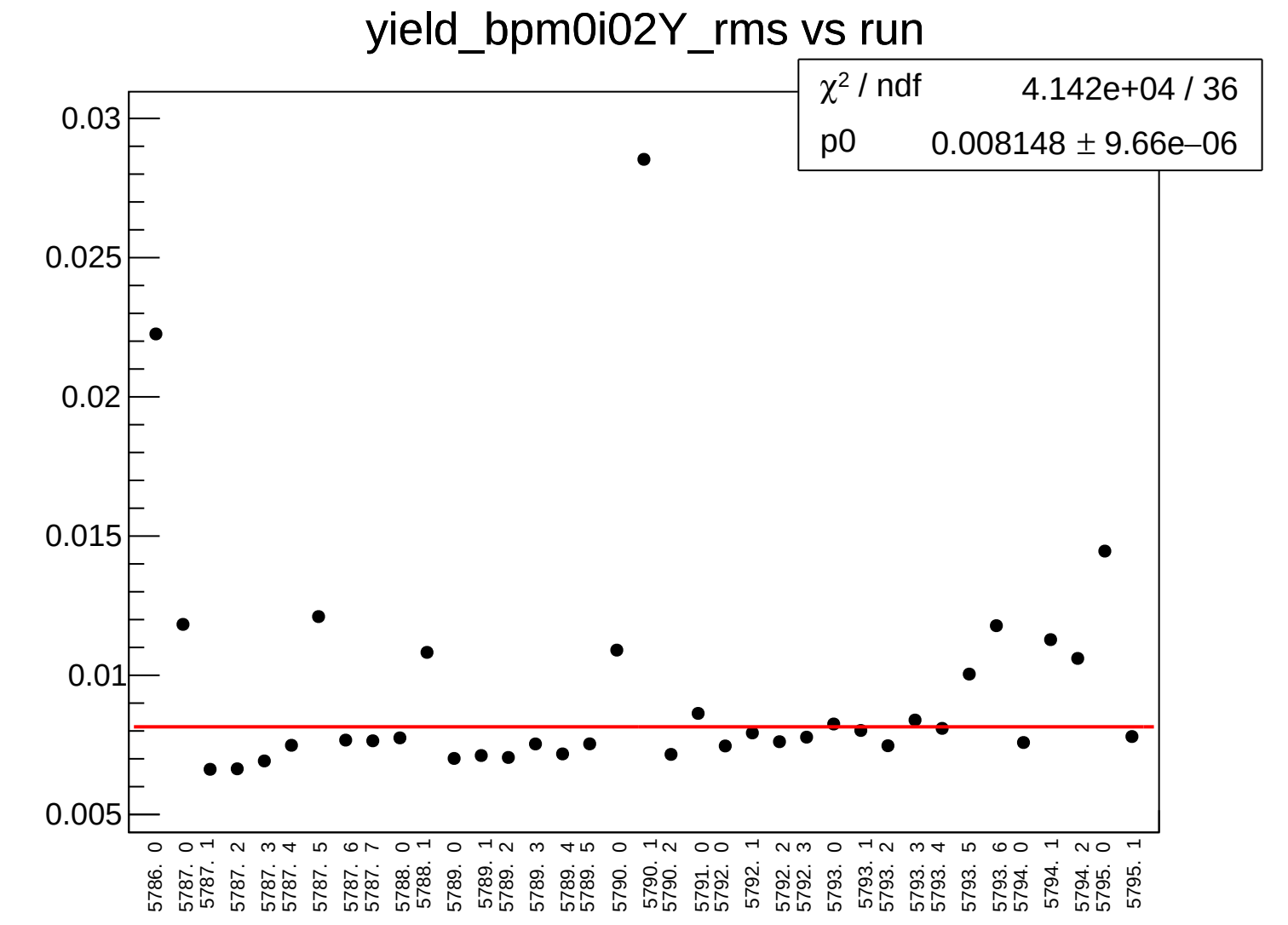

yield_bpm16Y_mean vs run
χ² / ndf 6.359e+04 / 36
p0 −0.231 ± 8.831e−06
−0.22
−0.24
−0.26
−0.28
−0.3
−0.32
−0.34
−0.36
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.231
Std Dev 0
50
0
−50
−100
−150
pull1D
Entries 37
Mean 0.4387
Std Dev 4.029
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

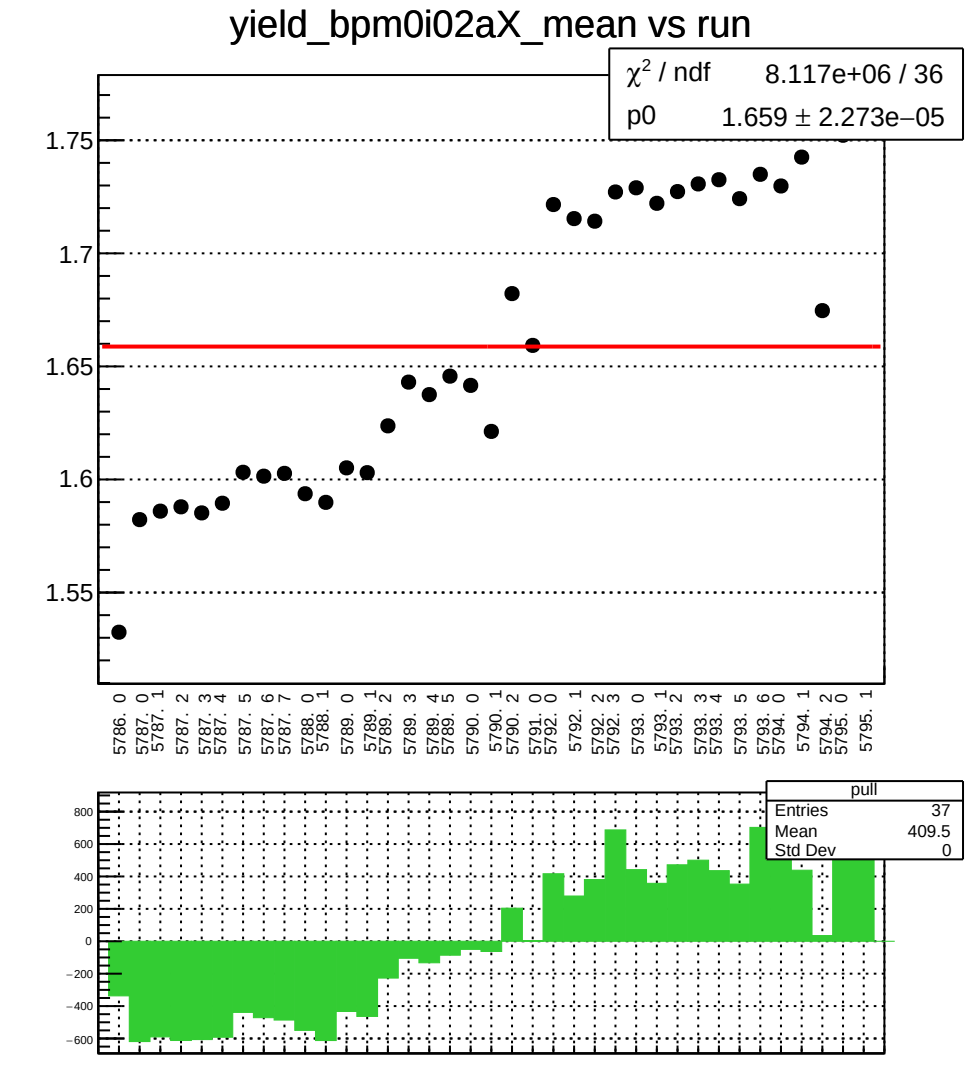

yield_bpm16Y_rms vs run
χ² / ndf 1.216e+05 / 36
p0 0.004962 ± 6.244e−06
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

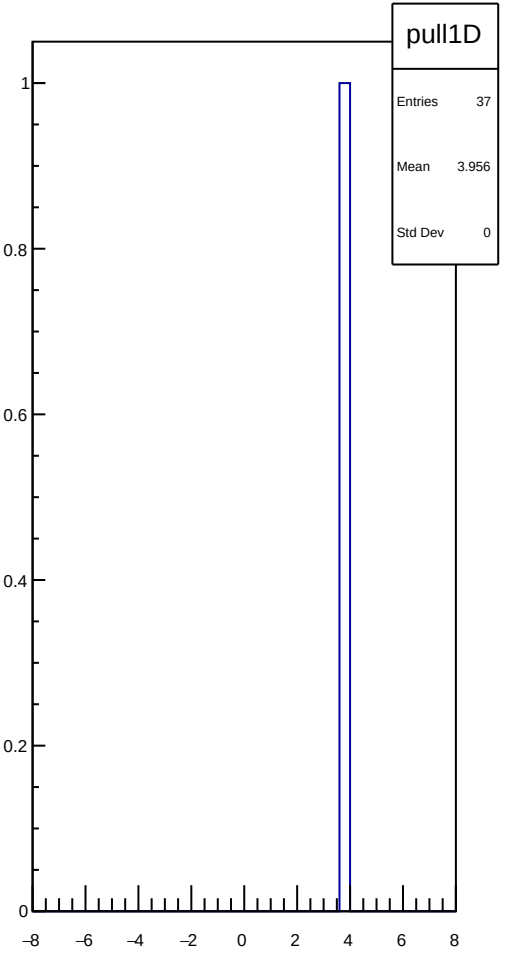

yield_bpm0i02X_mean vs run
χ² / ndf 4.868e+06 / 36
p0 −0.2476 ± 1.133e−05
−0.2
−0.22
−0.24
−0.26
−0.28
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2012
Std Dev 0
800
600
400
200
0
−200
−400
pull1D
Entries 37
Mean 5.062
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

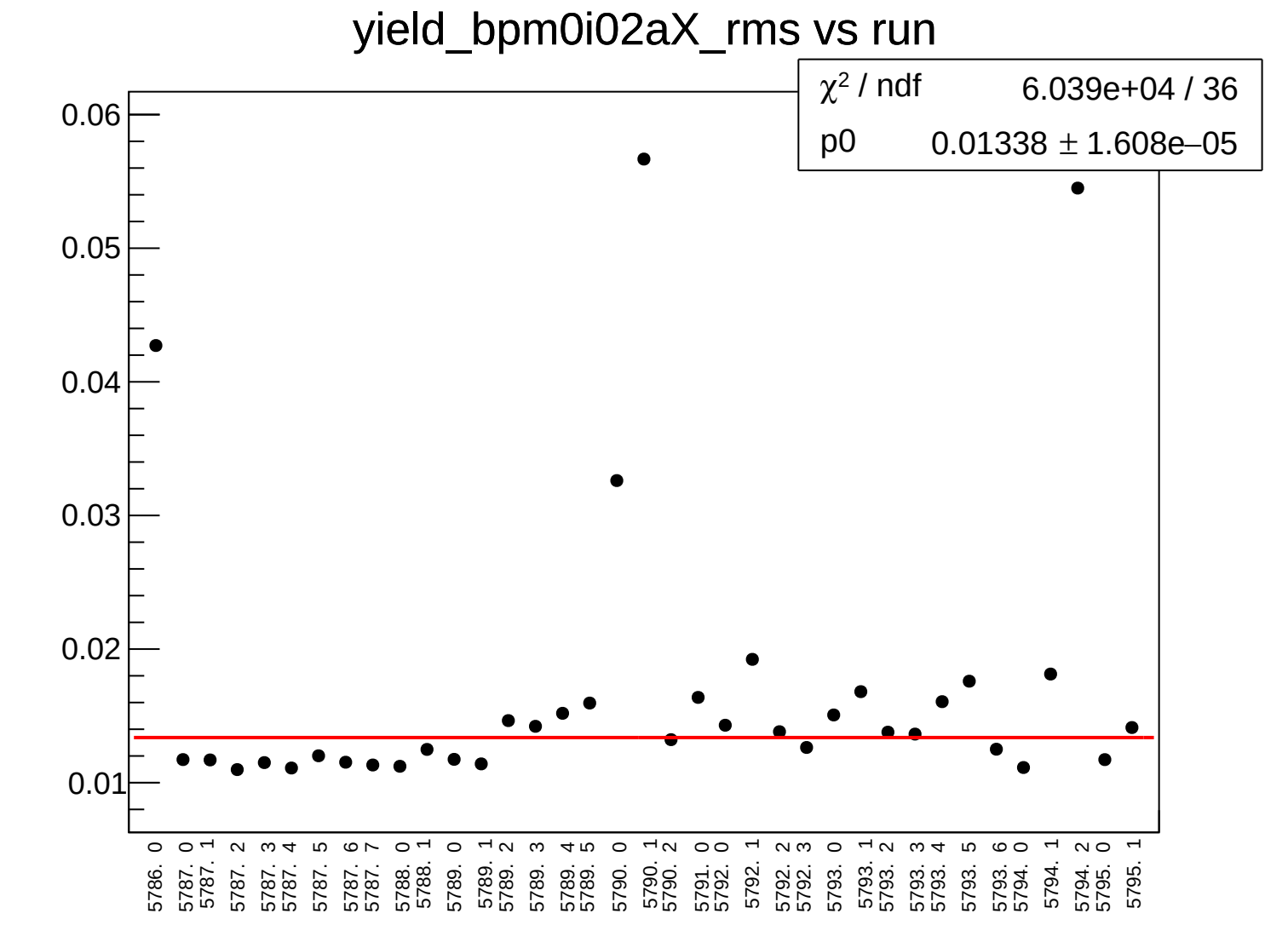

yield_bpm0i02X_rms vs run
χ² / ndf 3.538e+04 / 36
p0 0.00679 ± 8.015e–06
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

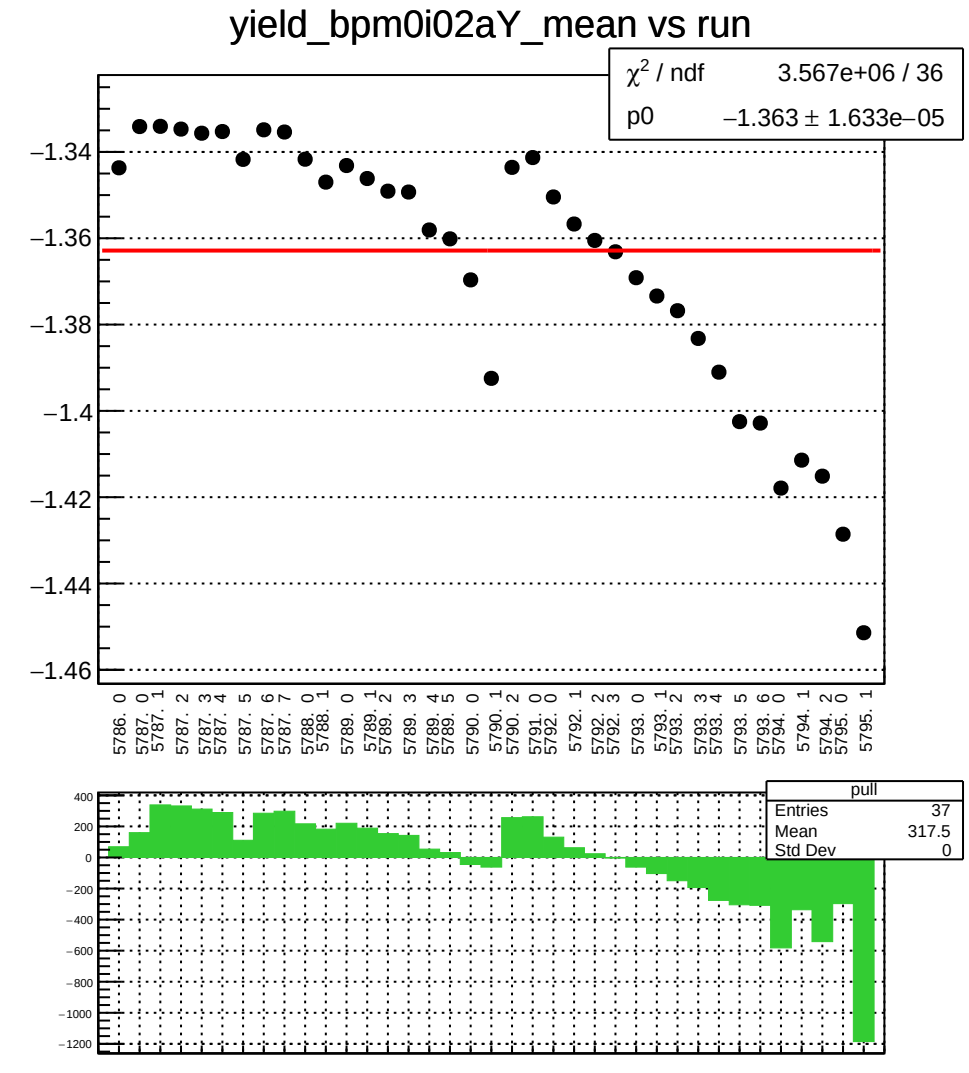

yield_bpm0i02Y_mean vs run
χ² / ndf 8.518e+06 / 36
p0 −3.927 ± 1.366e−05
−3.86
−3.88
−3.9
−3.92
−3.94
−3.96
−3.98
−4
−4.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 529.2
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800
−1000
−1200
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

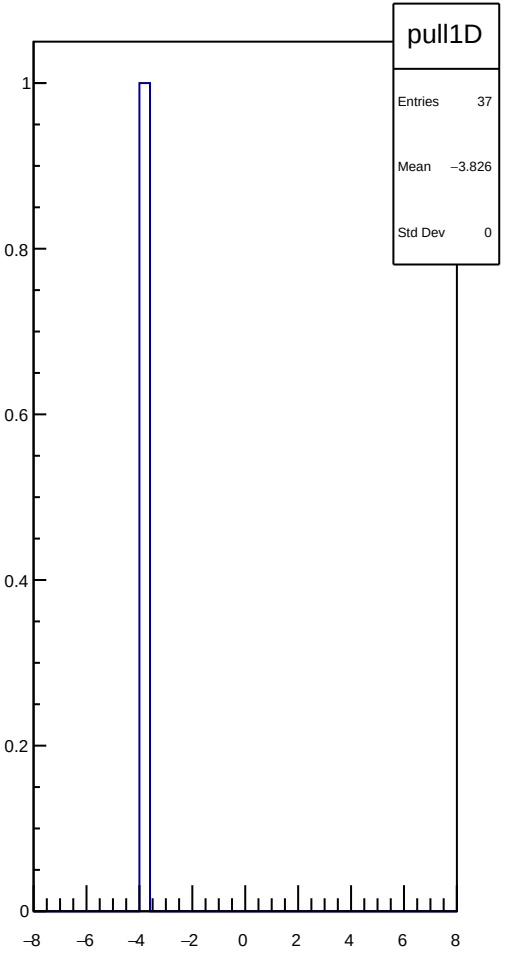

yield_bpm0i02Y_rms vs run
χ² / ndf 4.142e+04 / 36
p0 0.008148 ± 9.66e−06
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

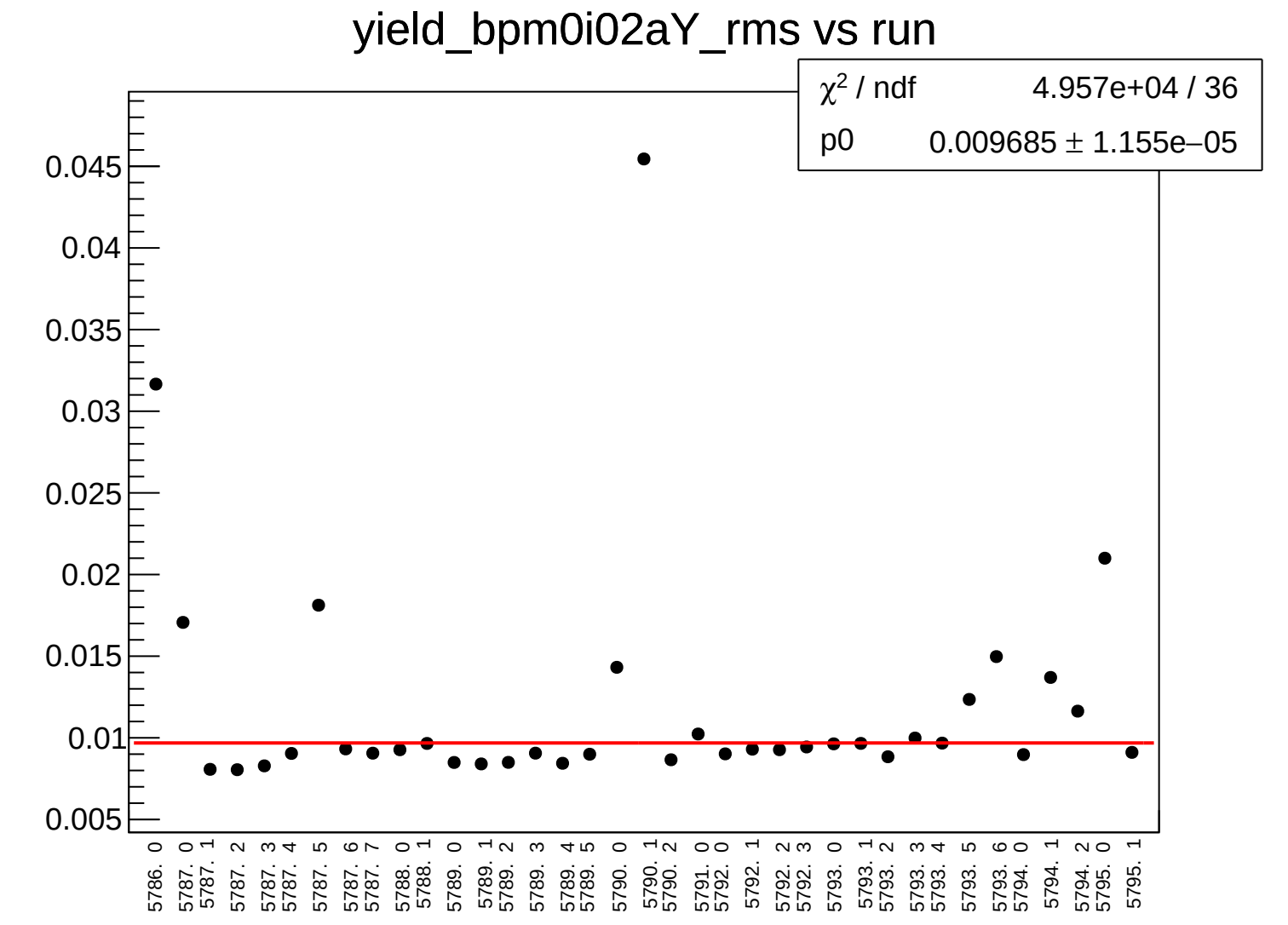

yield_bpm0i02aX_mean vs run
χ² / ndf 8.117e+06 / 36
p0 1.659 ± 2.273e−05
1.75
1.7
1.65
1.6
1.55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 409.5
Std Dev 0
800
600
400
200
0
−200
−400
−600

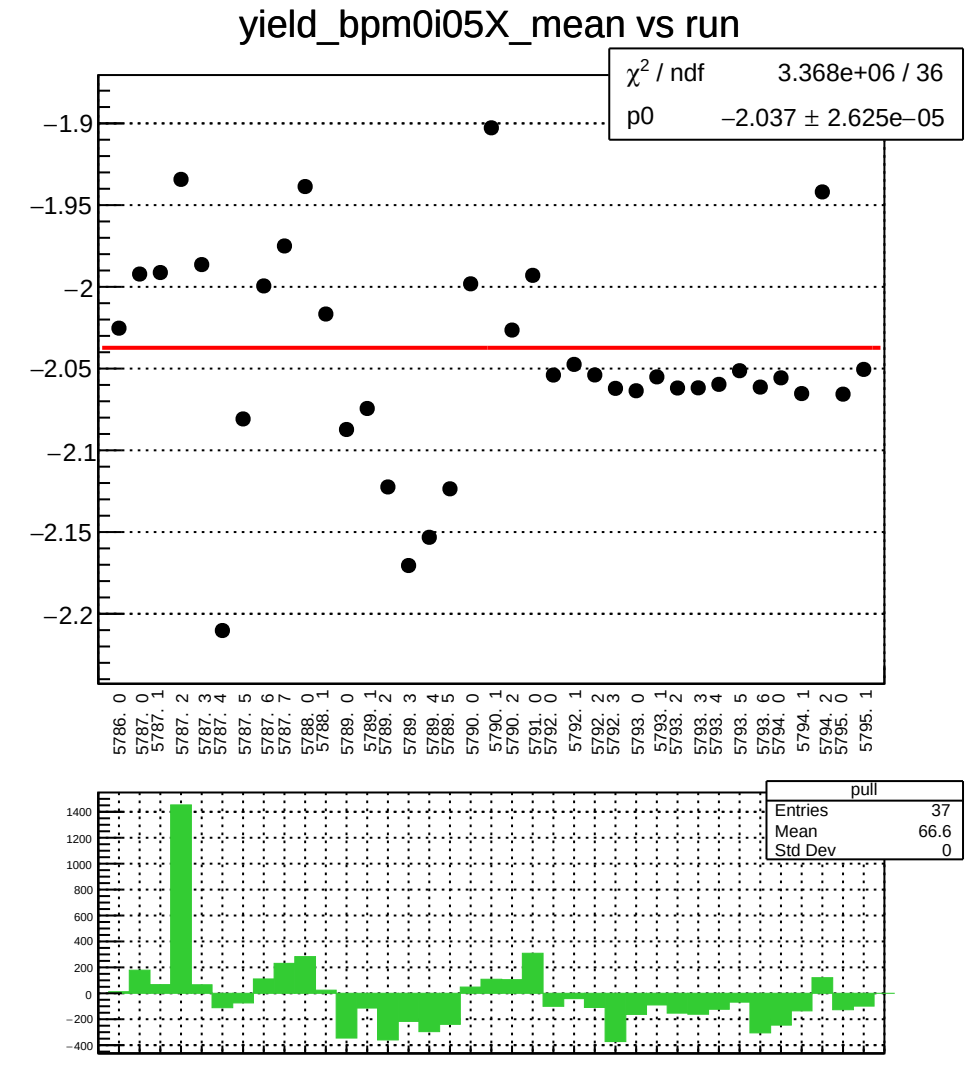

pull1D
Entries 37
Mean 3.956
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

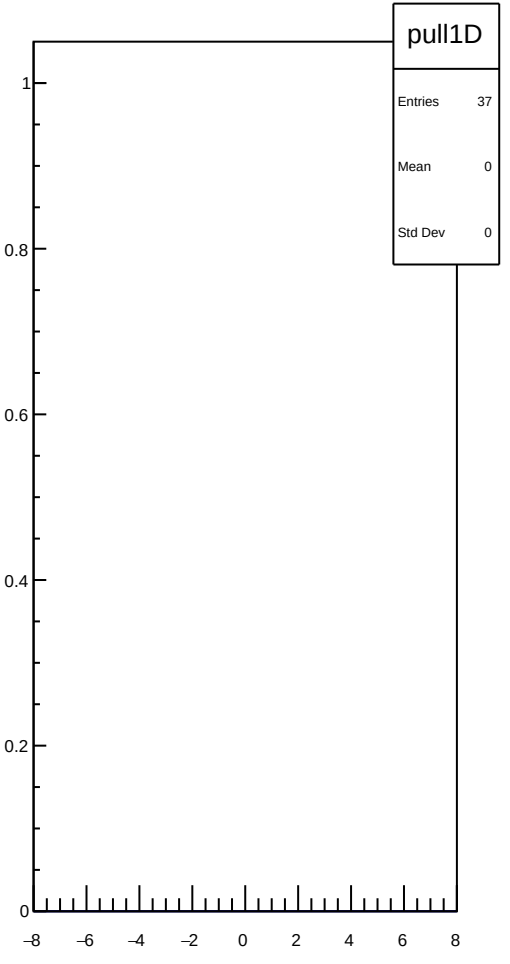

yield_bpm0i02aX_rms vs run
χ² / ndf 6.039e+04 / 36
p0 0.01338 ± 1.608e–05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

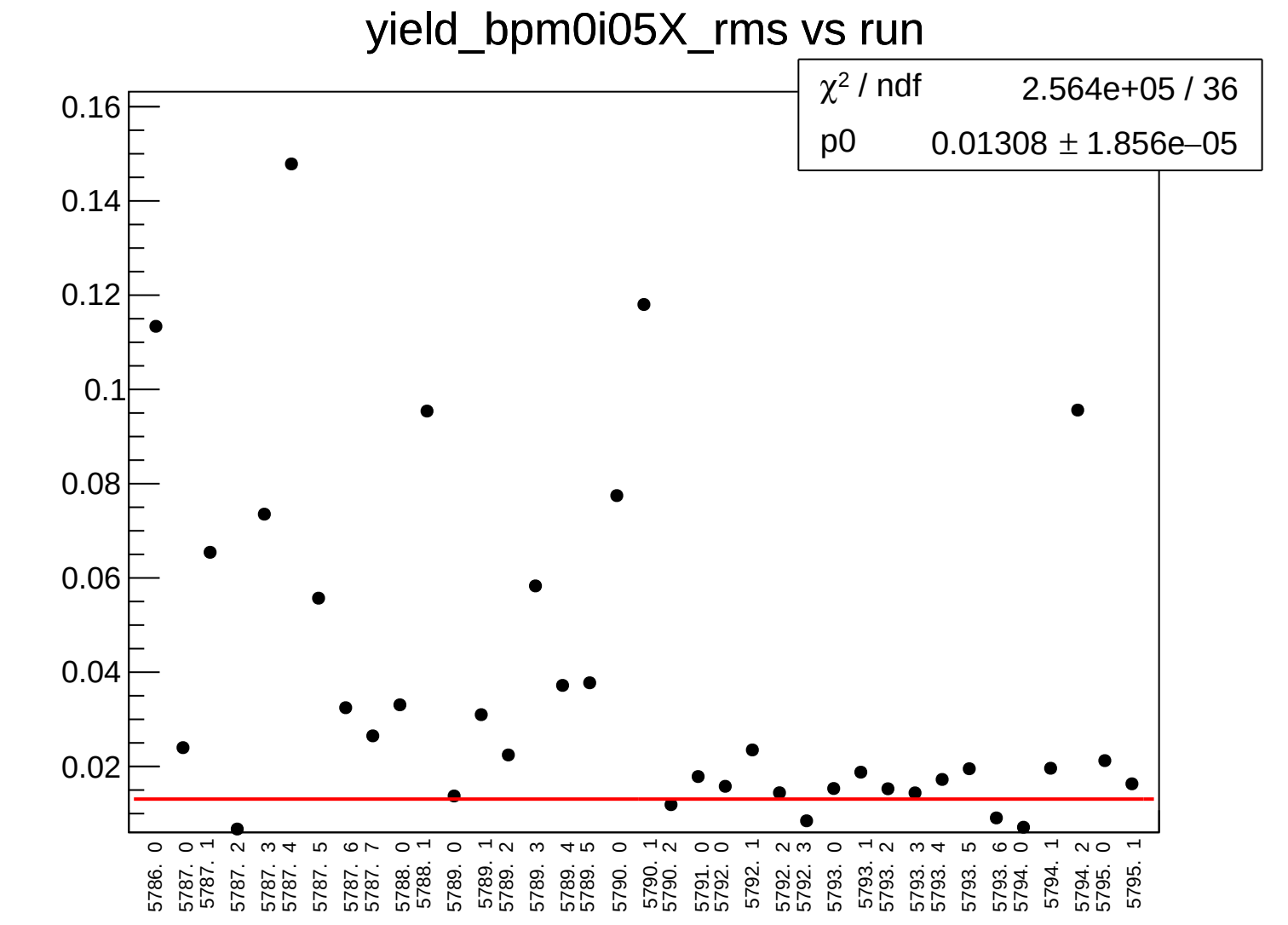

yield_bpm0i02aY_mean vs run
χ² / ndf 3.567e+06 / 36
p0 −1.363 ± 1.633e−05
−1.34
−1.36
−1.38
−1.4
−1.42
−1.44
−1.46
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
400
200
0
−200
−400
−600
−800
−1000
−1200
pull
Entries 37
Mean 317.5
Std Dev 0

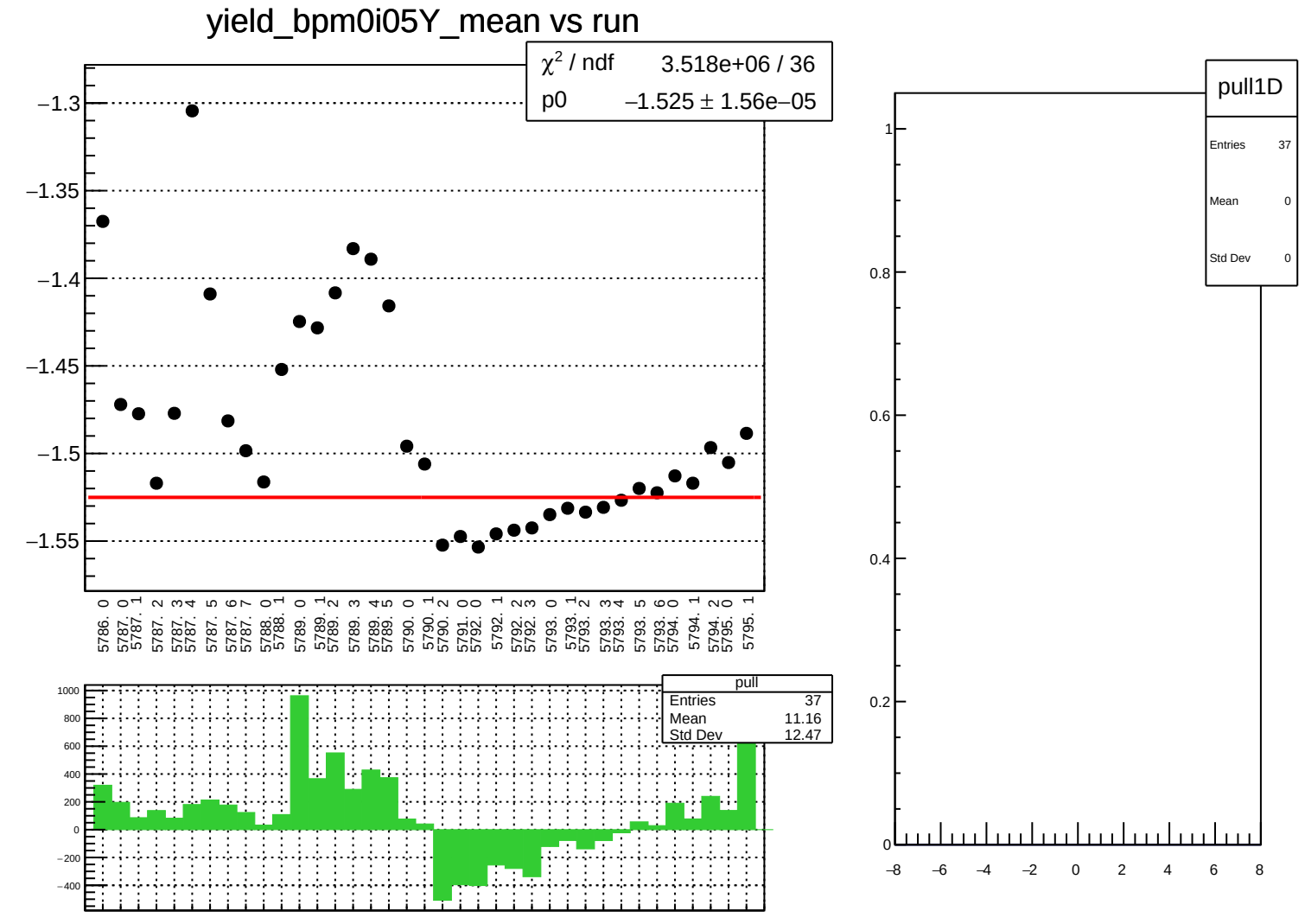

pull1D
Entries 37
Mean −3.826
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

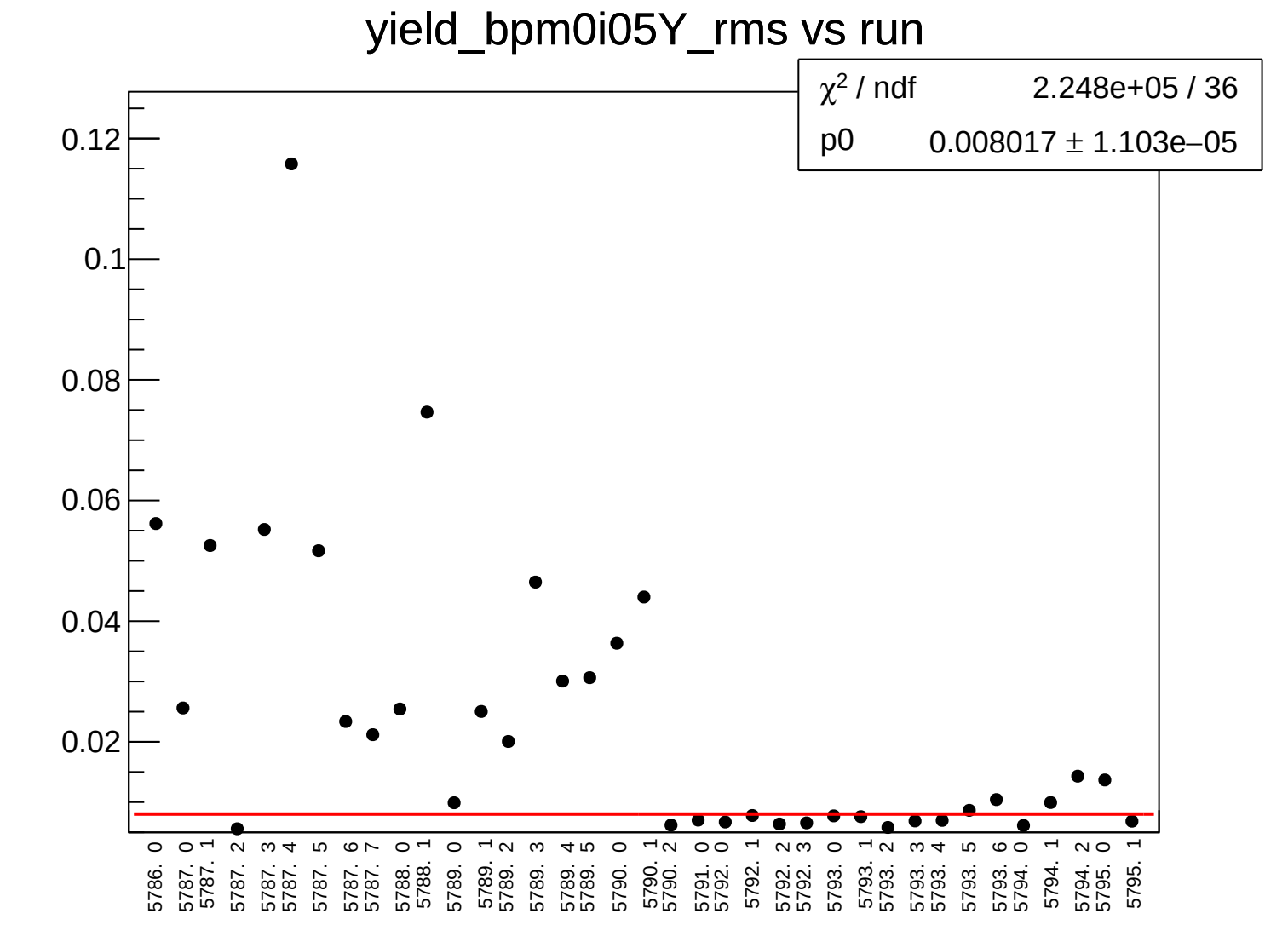

yield_bpm0i02aY_rms vs run
χ² / ndf 4.957e+04 / 36
p0 0.009685 ± 1.155e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

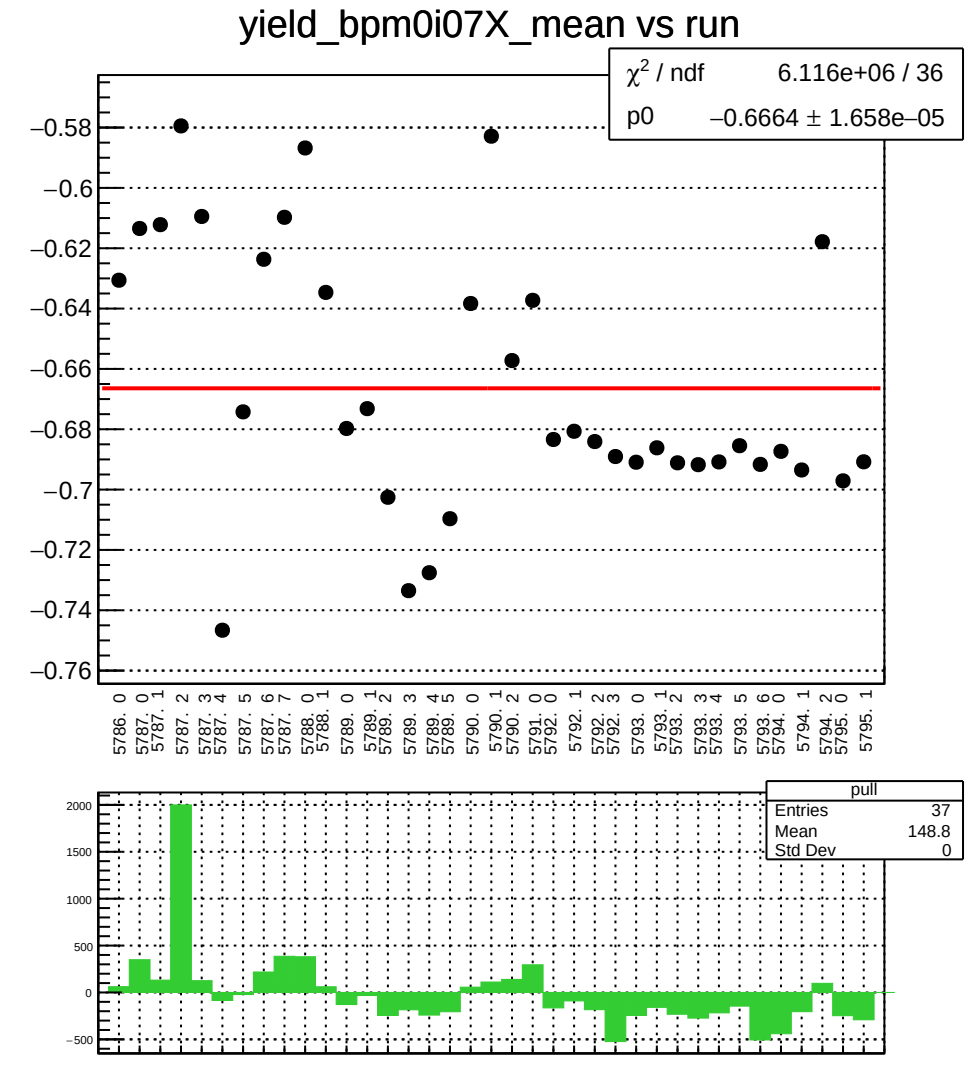

yield_bpm0i05X_mean vs run
χ² / ndf 3.368e+06 / 36
p0 −2.037 ± 2.625e−05
−1.9
−1.95
−2
−2.05
−2.1
−2.15
−2.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 66.6
Std Dev 0
1400
1200
1000
800
600
400
200
0
−200
−400

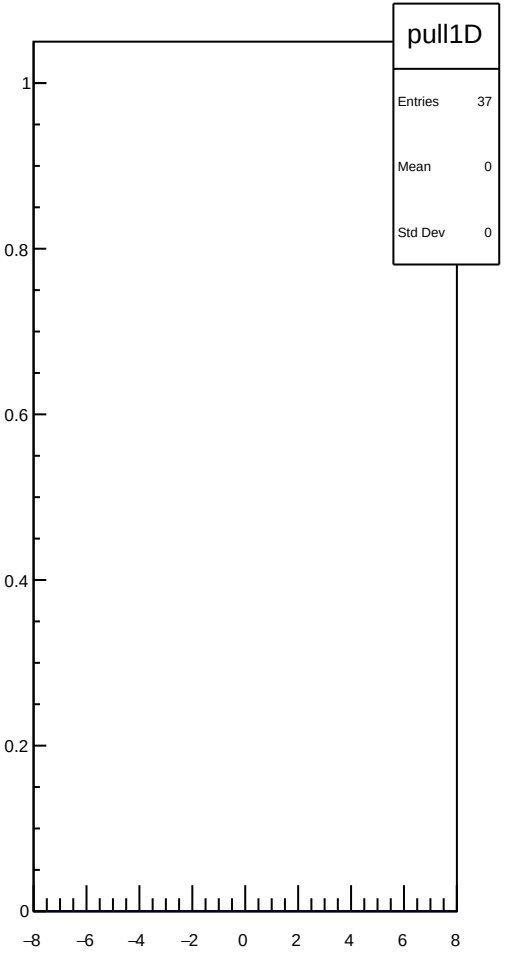

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

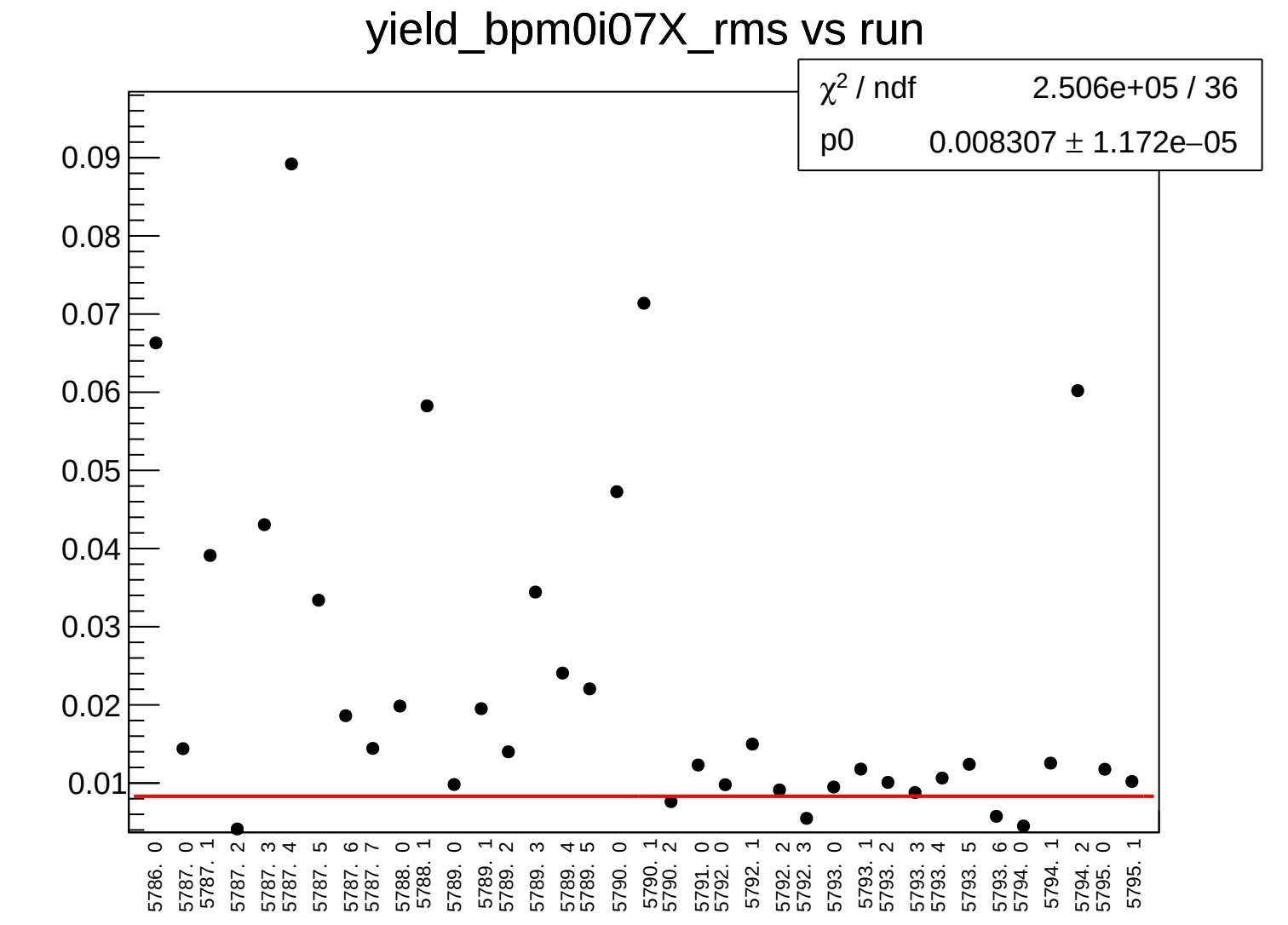

yield_bpm0i05X_rms vs run
χ² / ndf 2.564e+05 / 36
p0 0.01308 ± 1.856e–05
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

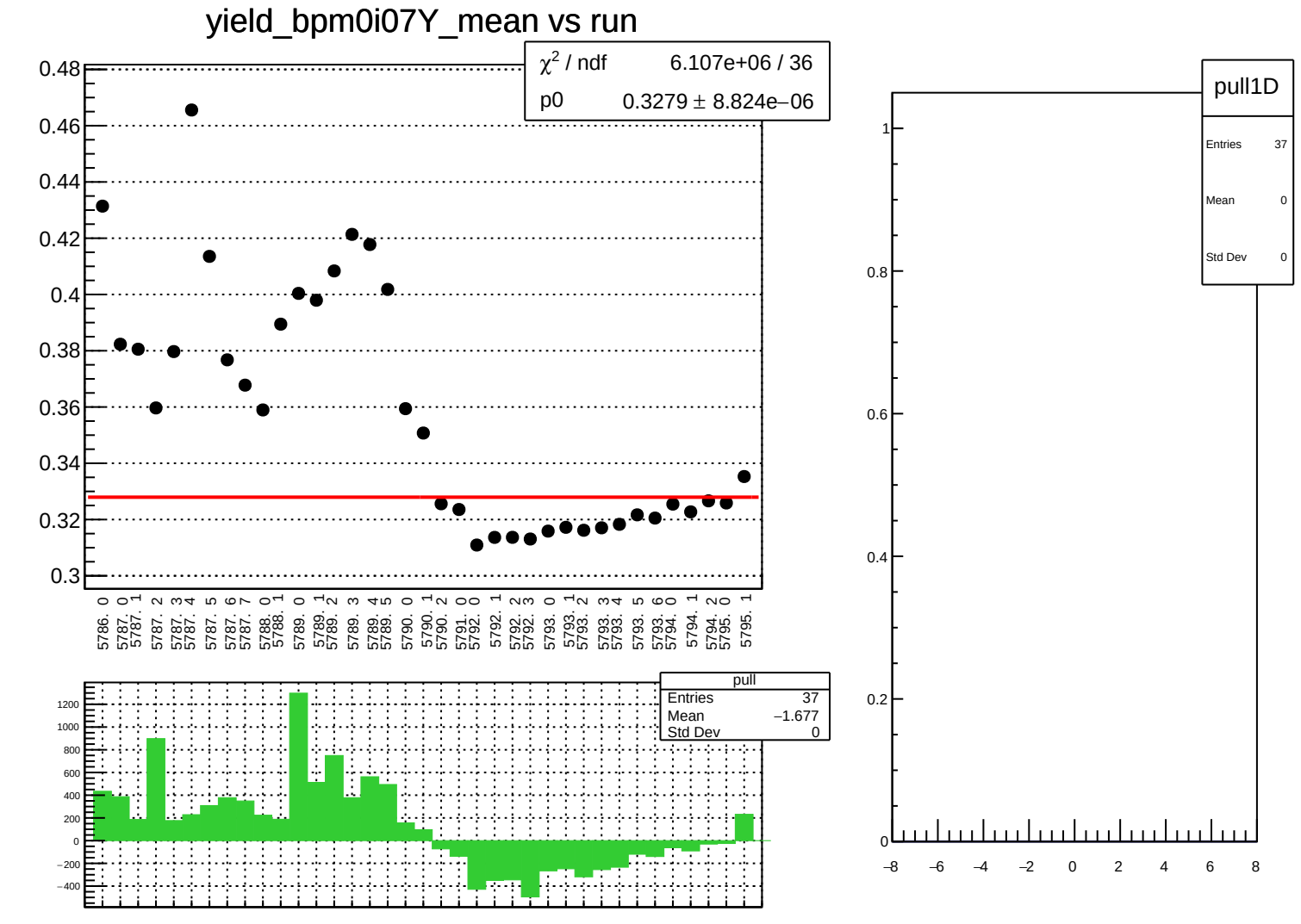

yield_bpm0i05Y_mean vs run
χ² / ndf 3.518e+06 / 36
p0 −1.525 ± 1.56e−05
−1.3
−1.35
−1.4
−1.45
−1.5
−1.55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.16
Std Dev 12.47
1000
800
600
400
200
0
−200
−400
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

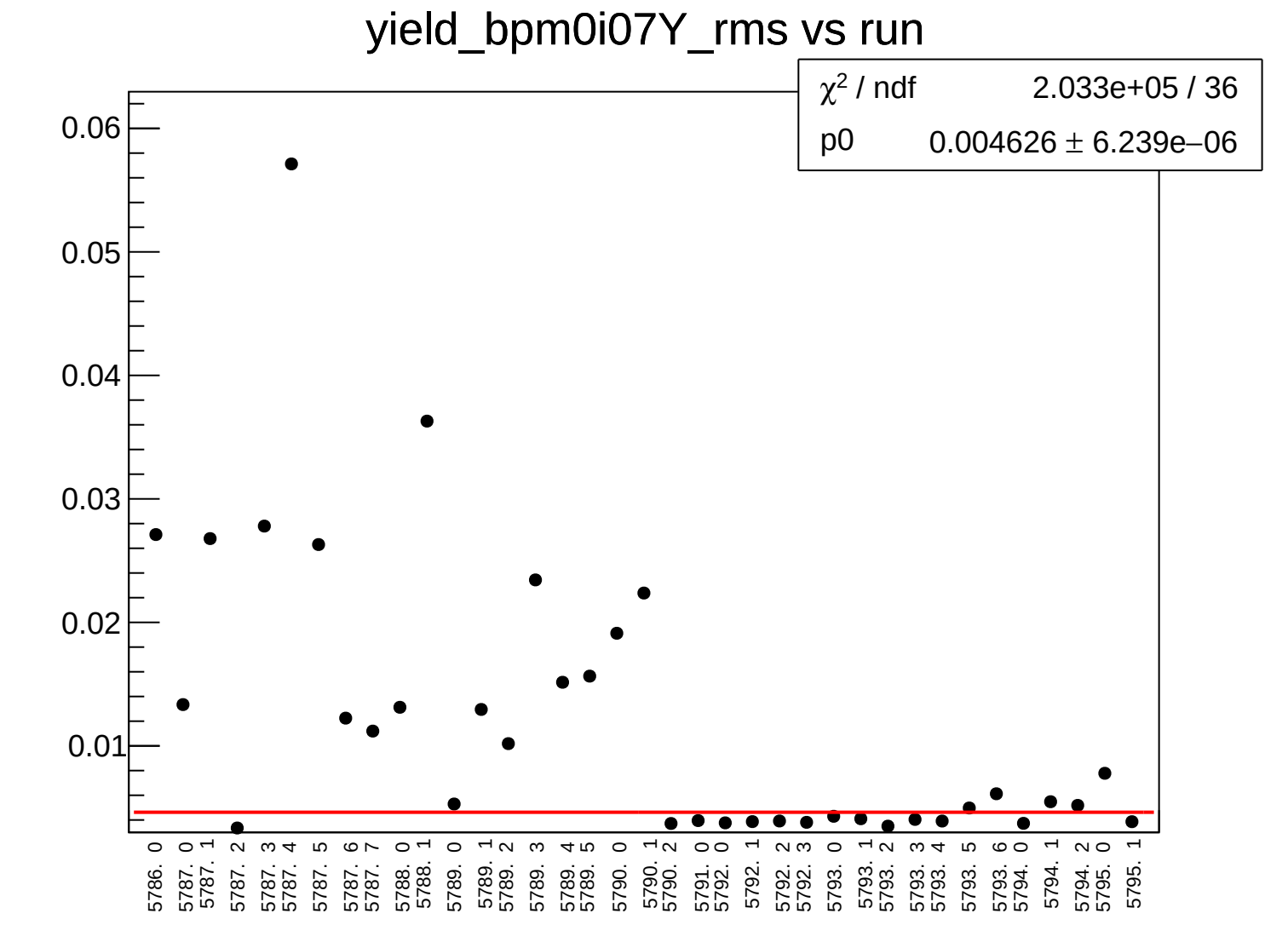

yield_bpm0i05Y_rms vs run
χ² / ndf 2.248e+05 / 36
p0 0.008017 ± 1.103e−05
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

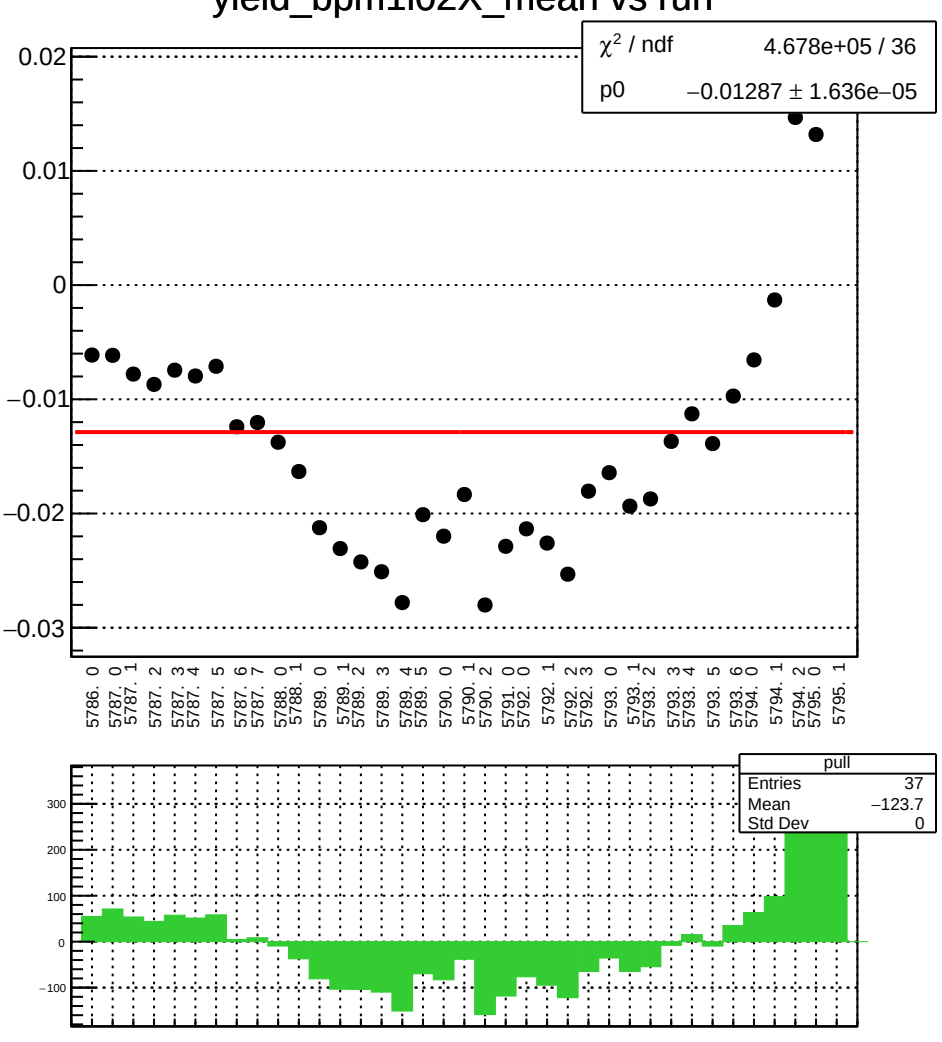

yield_bpm0i07X_mean vs run
χ² / ndf 6.116e+06 / 36
p0 −0.6664 ± 1.658e−05
−0.58
−0.6
−0.62
−0.64
−0.66
−0.68
−0.7
−0.72
−0.74
−0.76
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 148.8
Std Dev 0
2000
1500
1000
500
0
−500

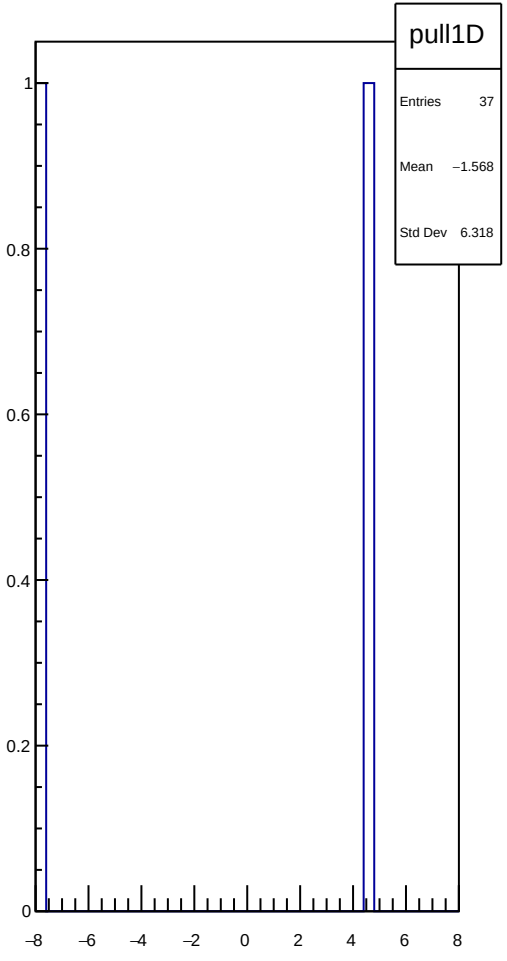

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

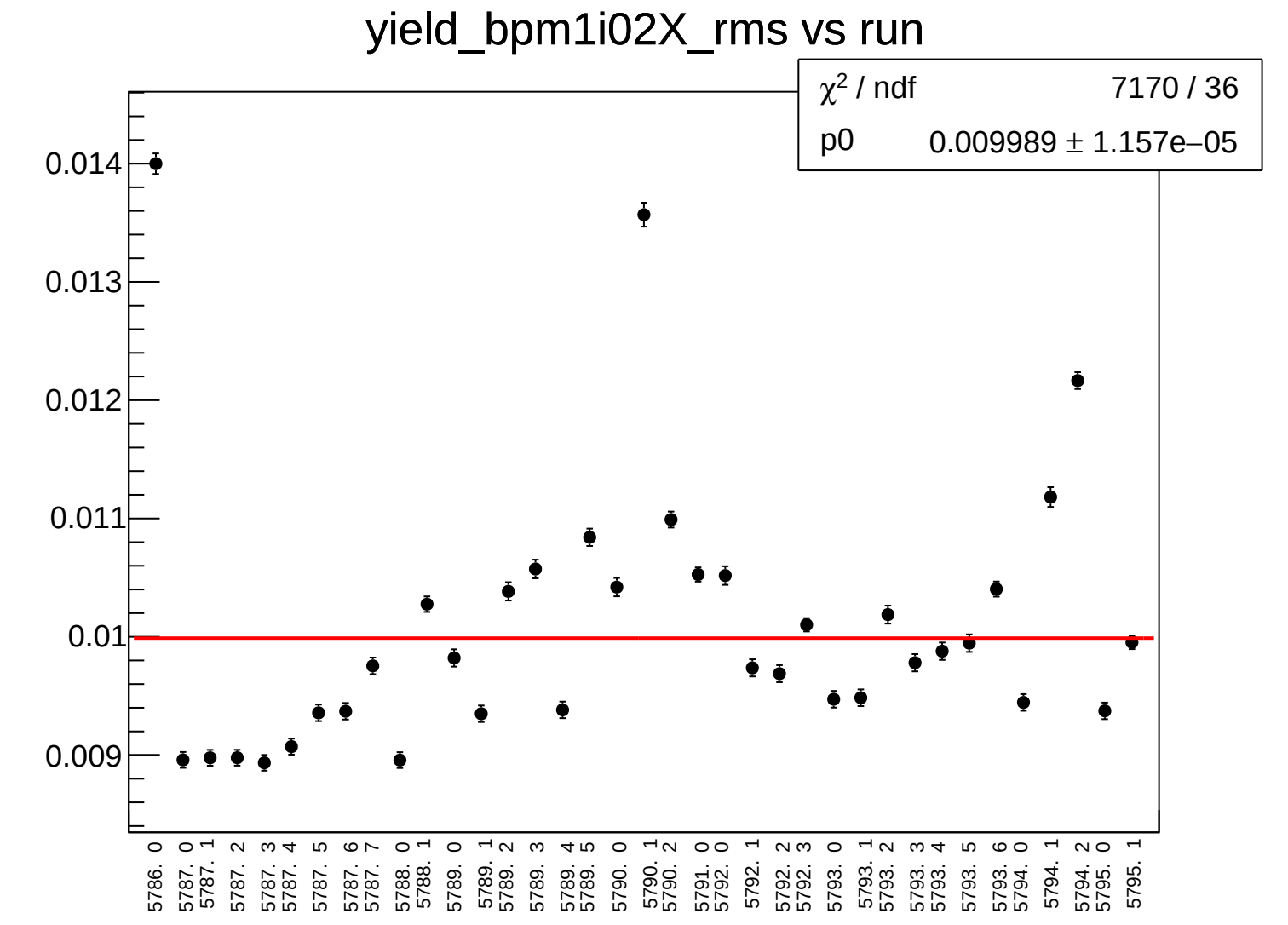

yield_bpm0i07X_rms vs run
χ² / ndf 2.506e+05 / 36
p0 0.008307 ± 1.172e−05
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

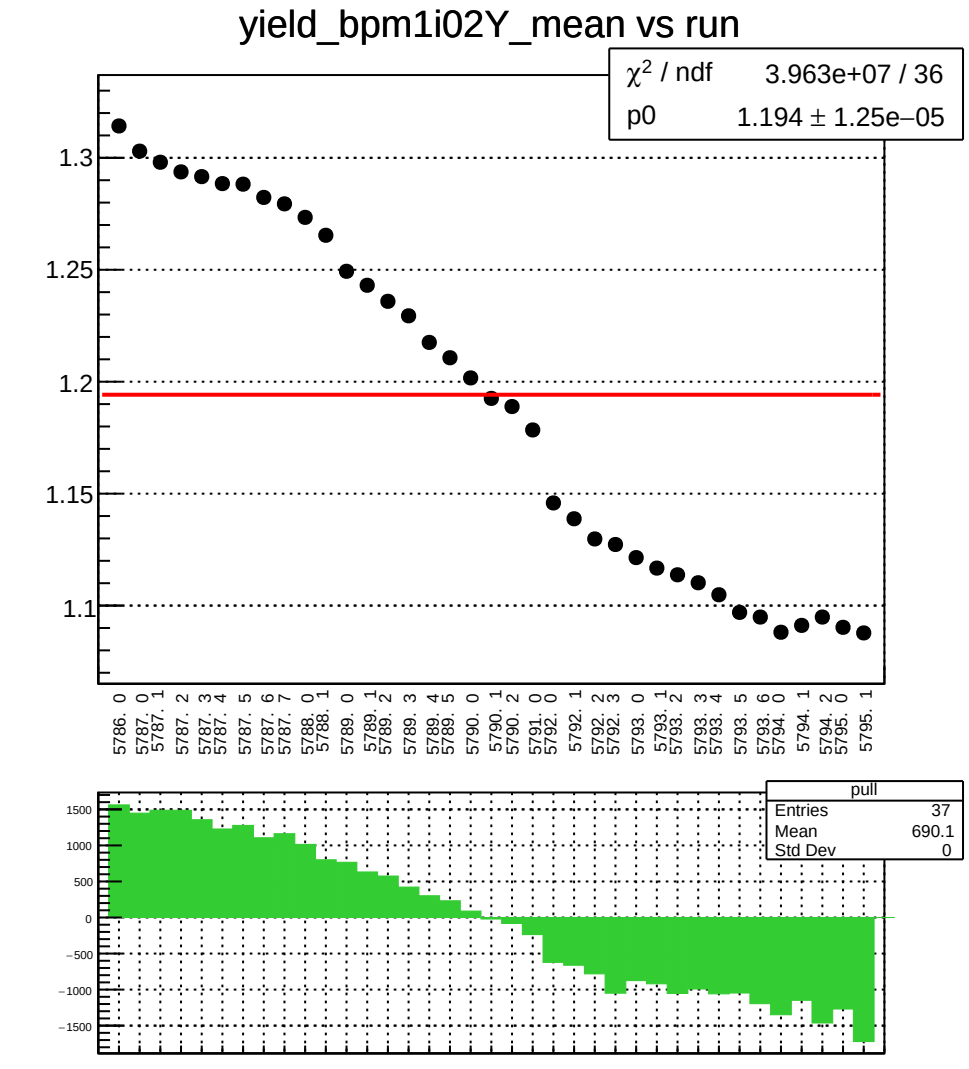

yield_bpm0i07Y_mean vs run
χ² / ndf 6.107e+06 / 36
p0 0.3279 ± 8.824e−06
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34
0.32
0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.677
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

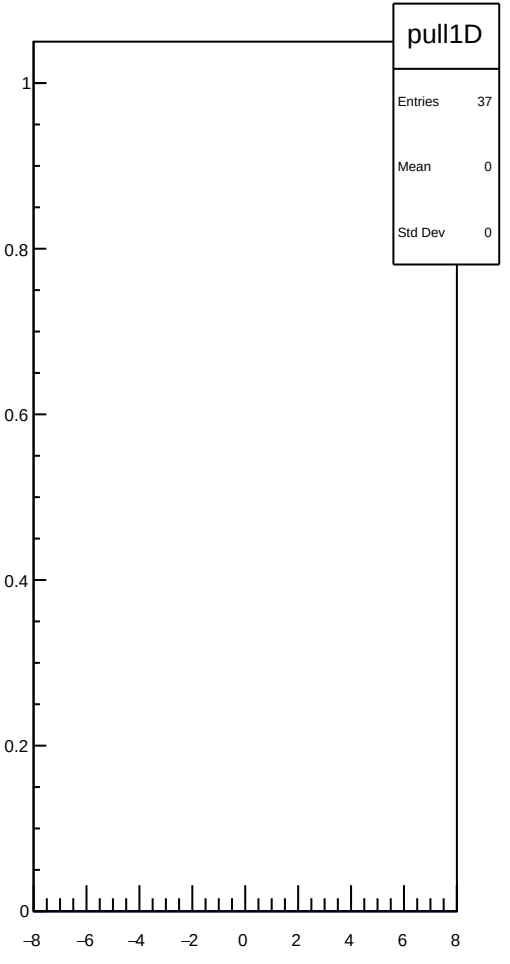

yield_bpm0i07Y_rms vs run
χ² / ndf 2.033e+05 / 36
p0 0.004626 ± 6.239e−06
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

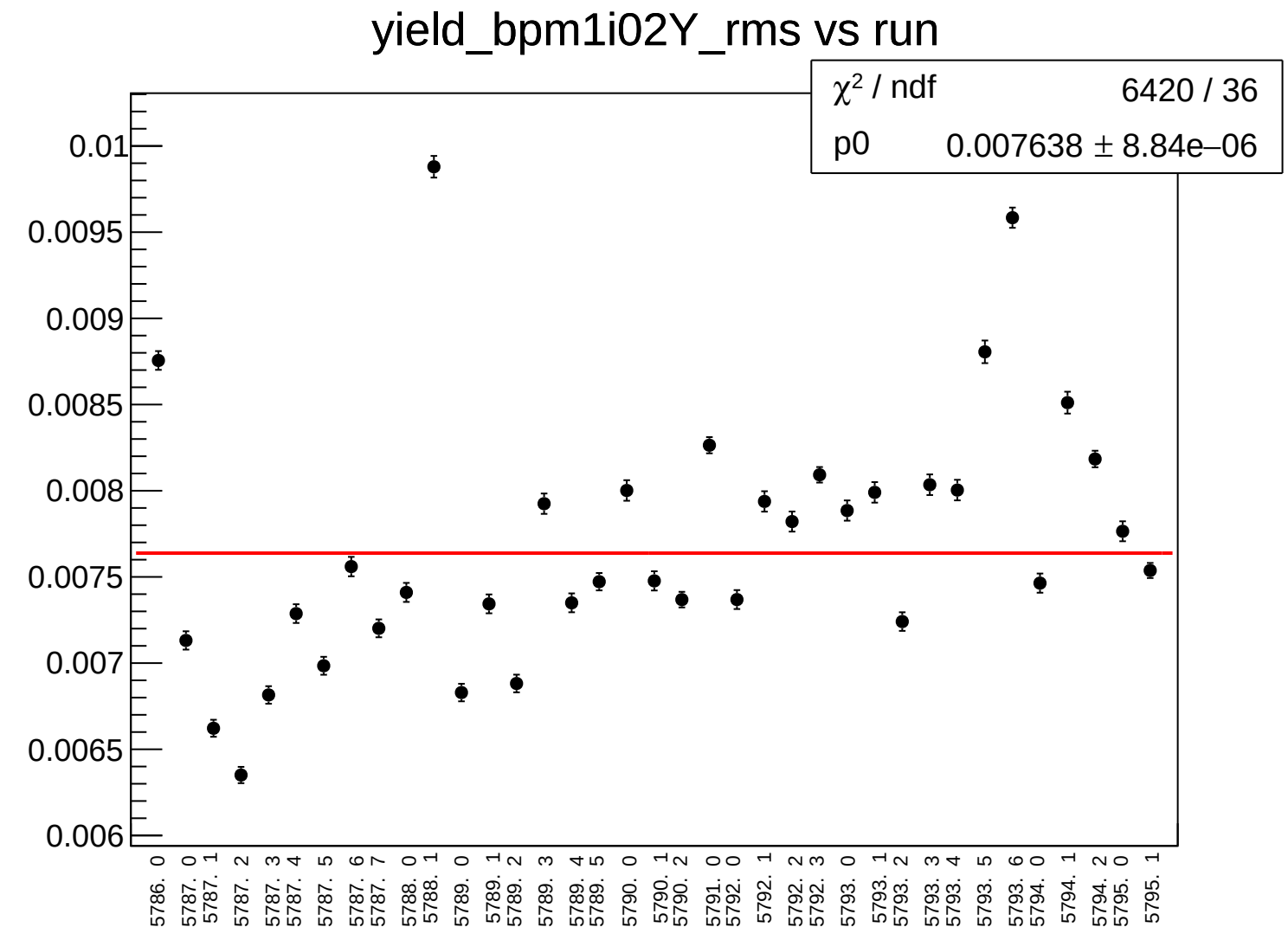

yield_bpm1i02X_mean vs run
χ² / ndf 4.678e+05 / 36
p0 −0.01287 ± 1.636e−05
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −123.7
Std Dev 0
300
200
100
0
−100

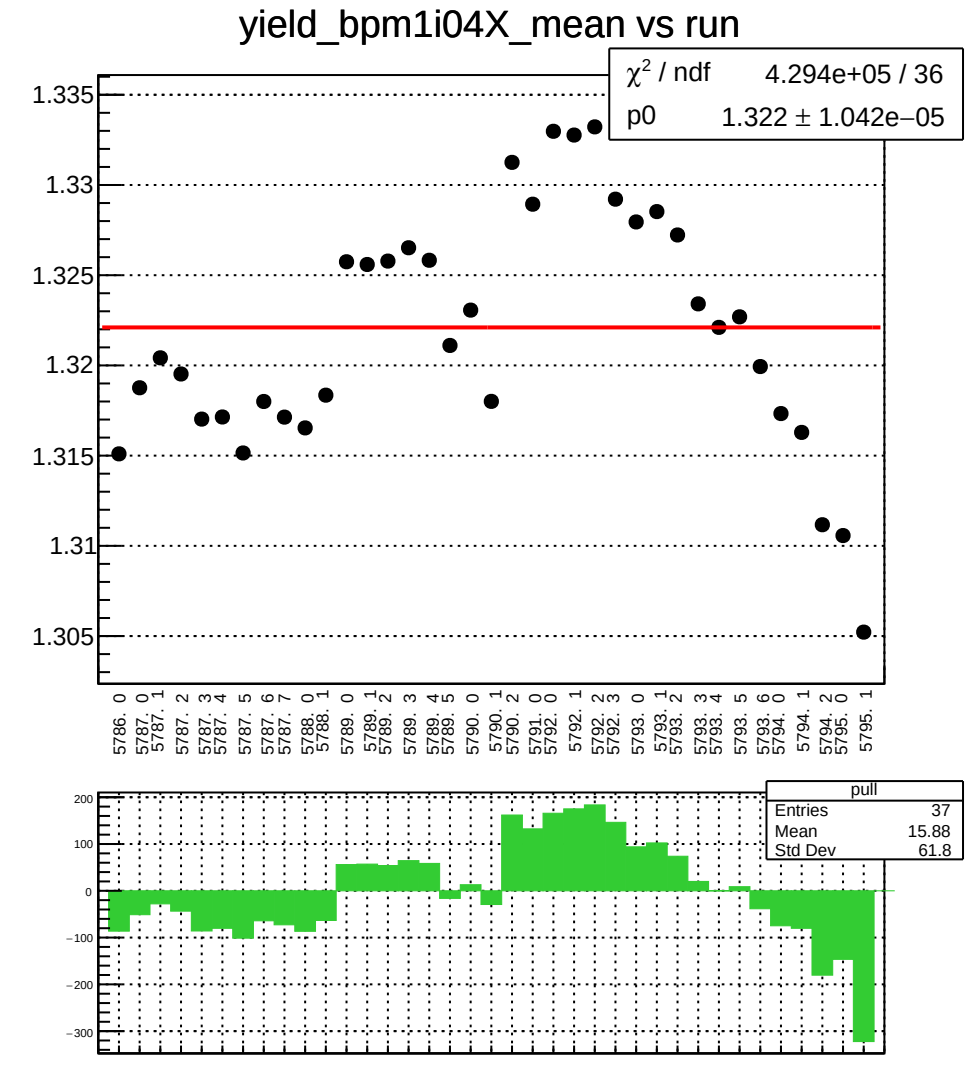

pull1D
Entries 37
Mean −1.568
Std Dev 6.318
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

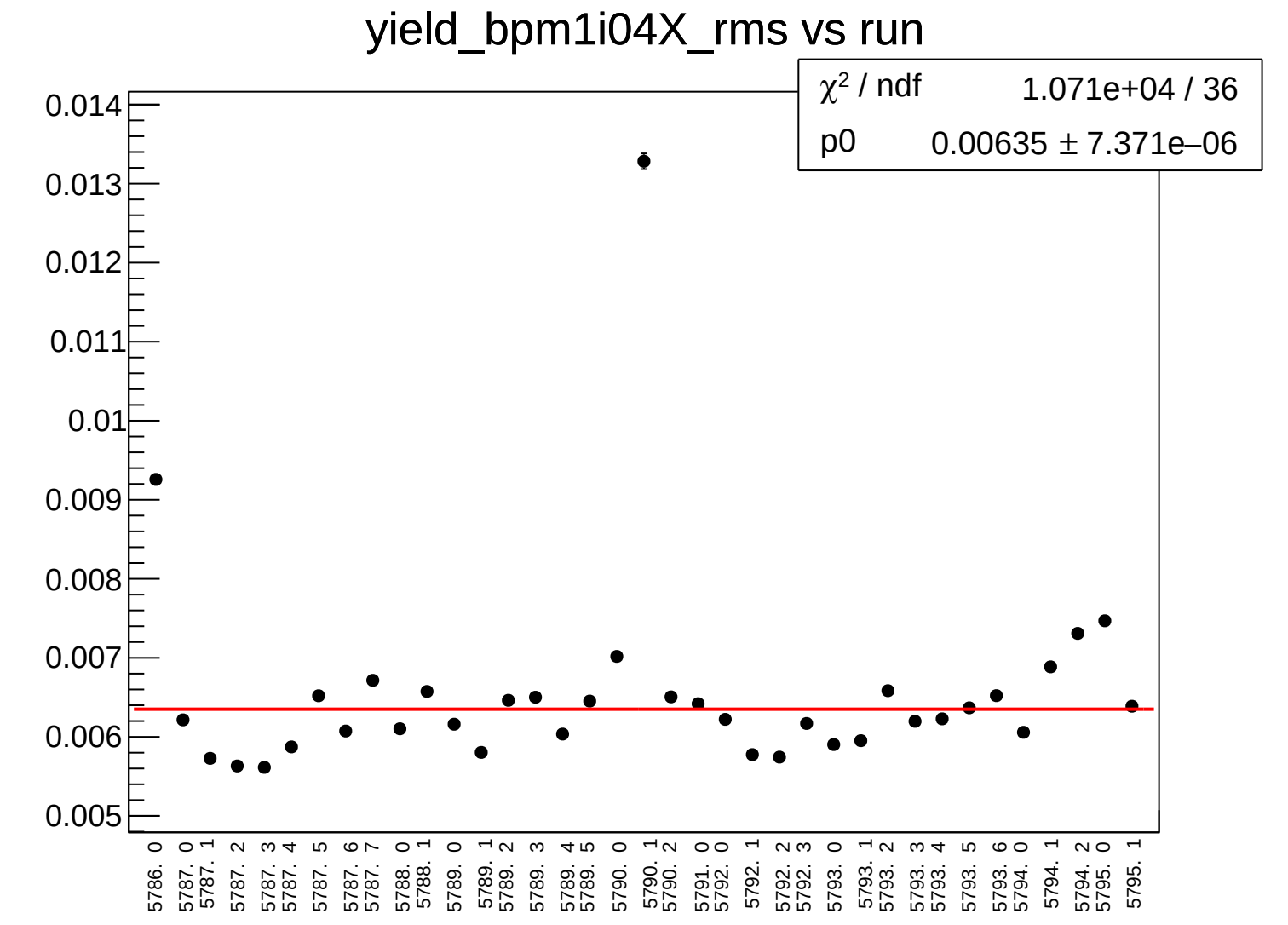

yield_bpm1i02X_rms vs run
χ² / ndf 7170 / 36
p0 0.009989 ± 1.157e−05
0.014
0.013
0.012
0.011
0.01
0.009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

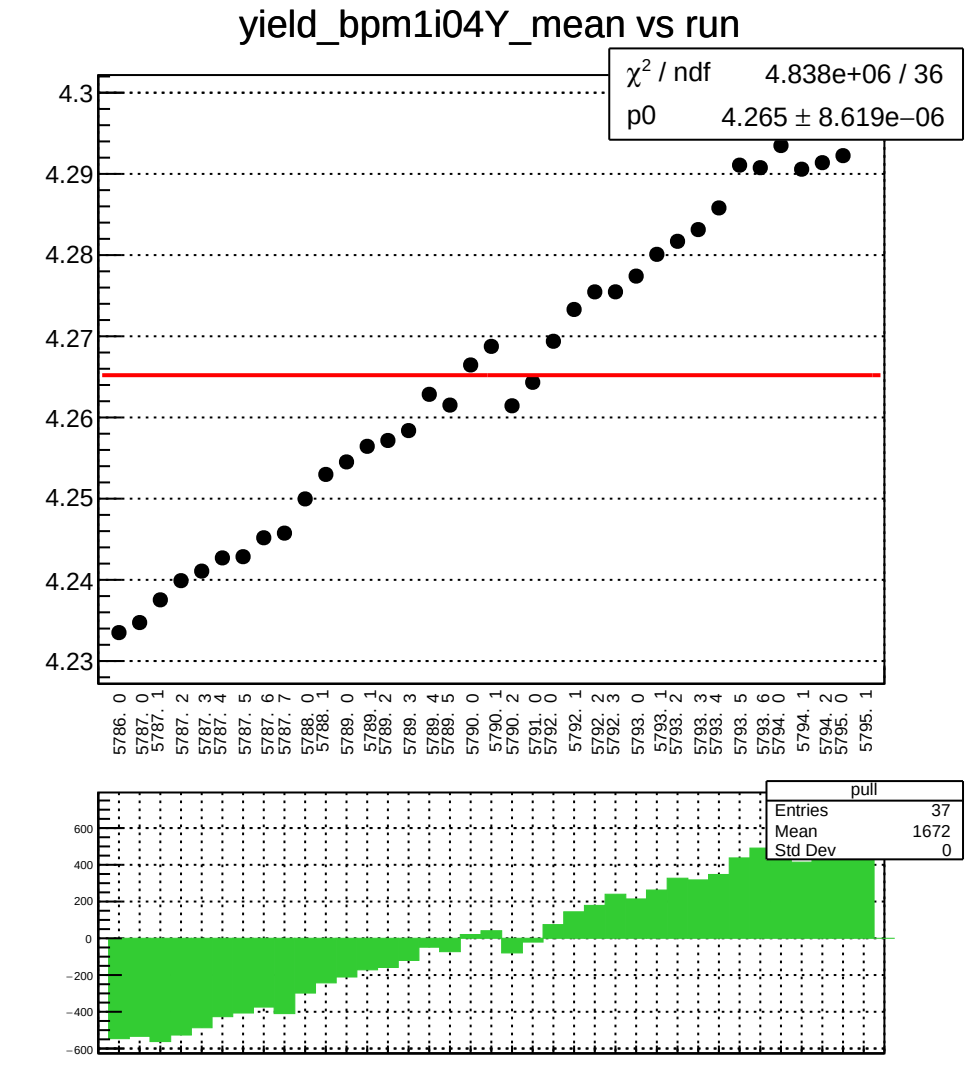

yield_bpm1i02Y_mean vs run
χ² / ndf 3.963e+07 / 36
p0 1.194 ± 1.25e−05
1.3
1.25
1.2
1.15
1.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 690.1
Std Dev 0
1500
1000
500
0
−500
−1000
−1500

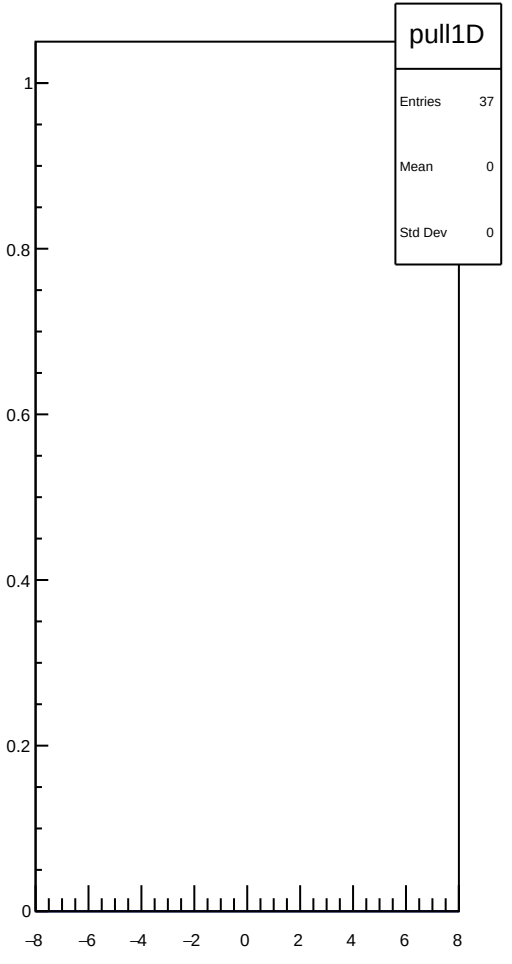

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

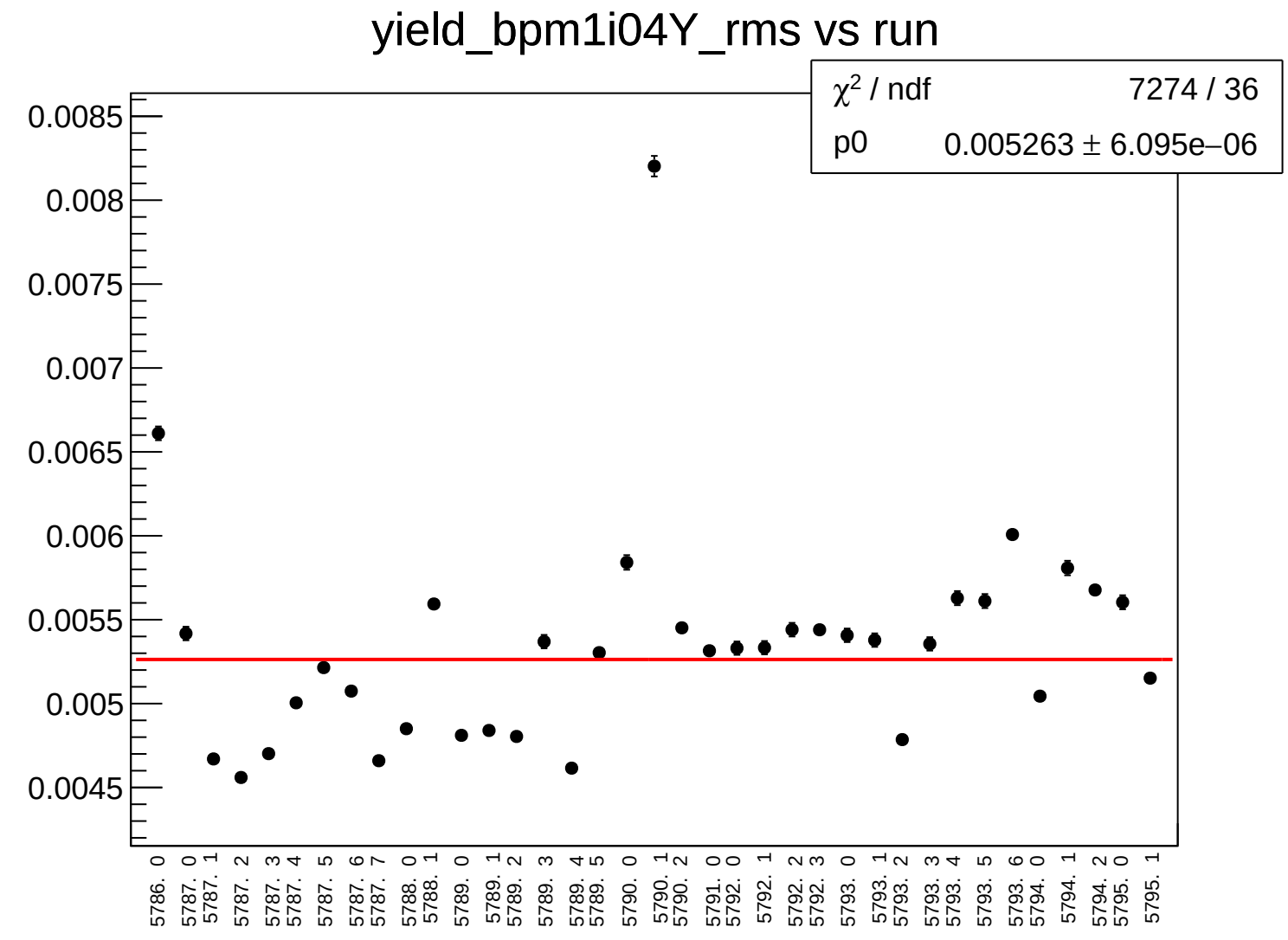

yield_bpm1i02Y_rms vs run
χ² / ndf 6420 / 36
p0 0.007638 ± 8.84e–06
0.01
0.0095
0.009
0.0085
0.008
0.0075
0.007
0.0065
0.006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

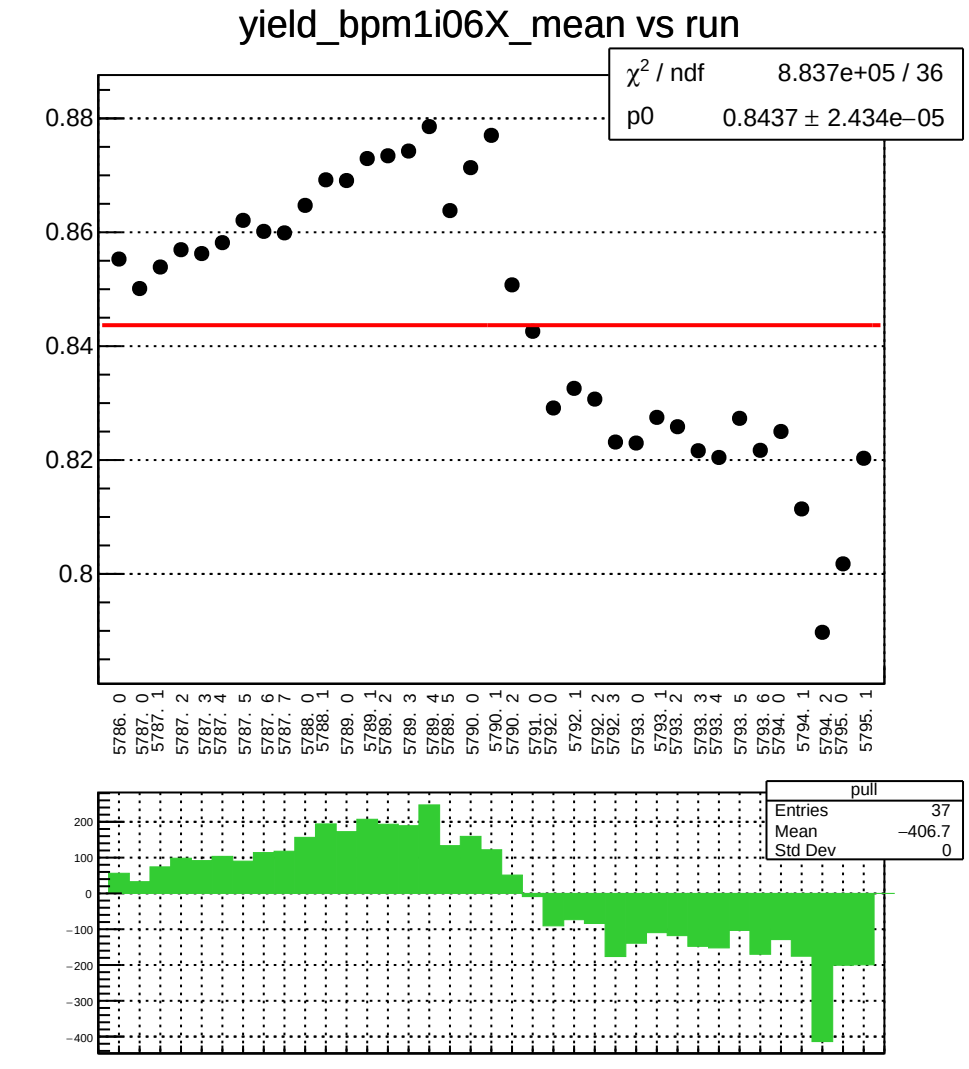

yield_bpm1i04X_mean vs run
χ² / ndf 4.294e+05 / 36
p0 1.322 ± 1.042e−05
1.335
1.33
1.325
1.32
1.315
1.31
1.305
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.88
Std Dev 61.8
200
100
0
−100
−200
−300
pull1D
Entries 37
Mean 0.04907
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

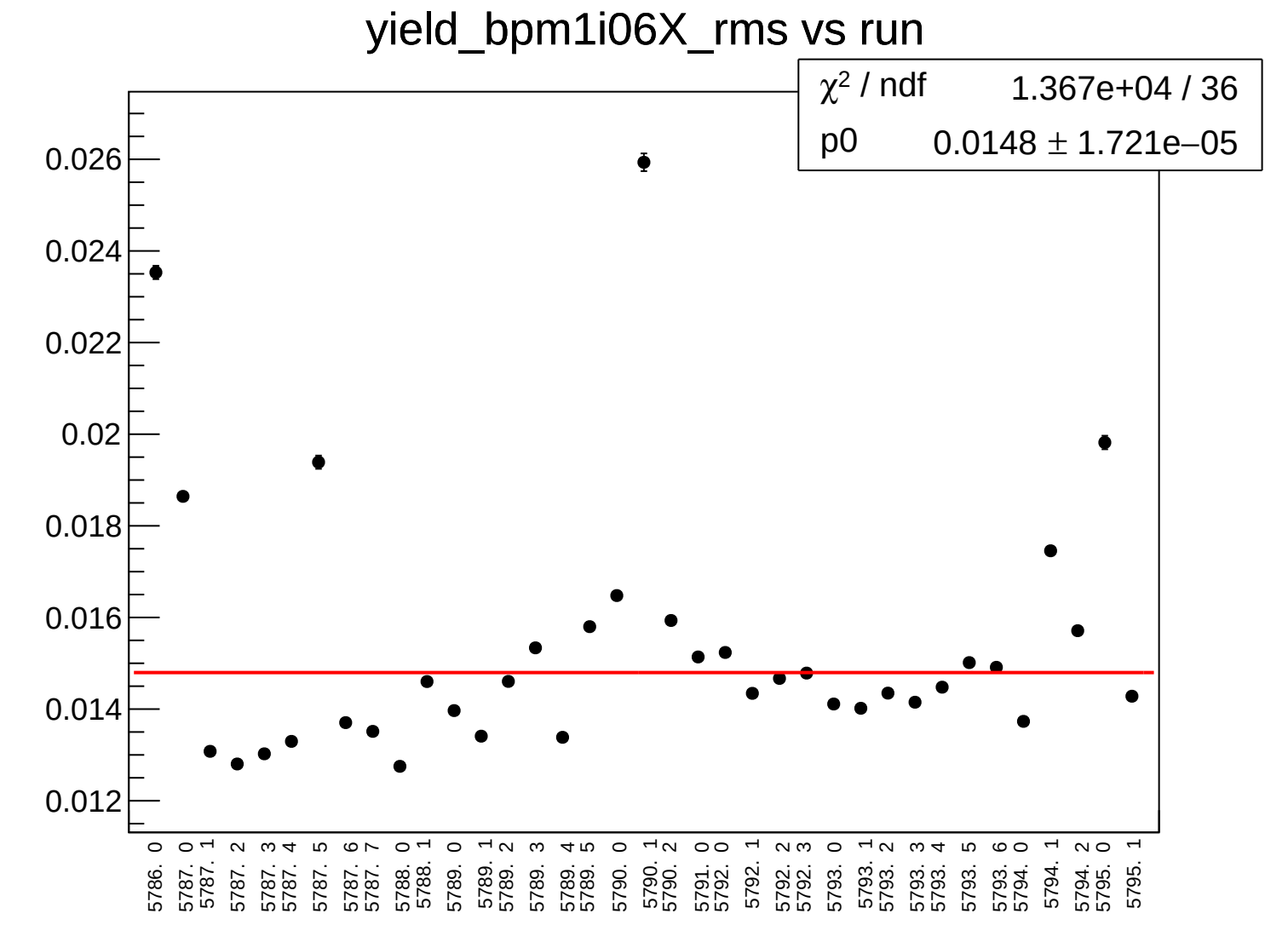

yield_bpm1i04X_rms vs run
χ² / ndf 1.071e+04 / 36
p0 0.00635 ± 7.371e–06
0.014
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

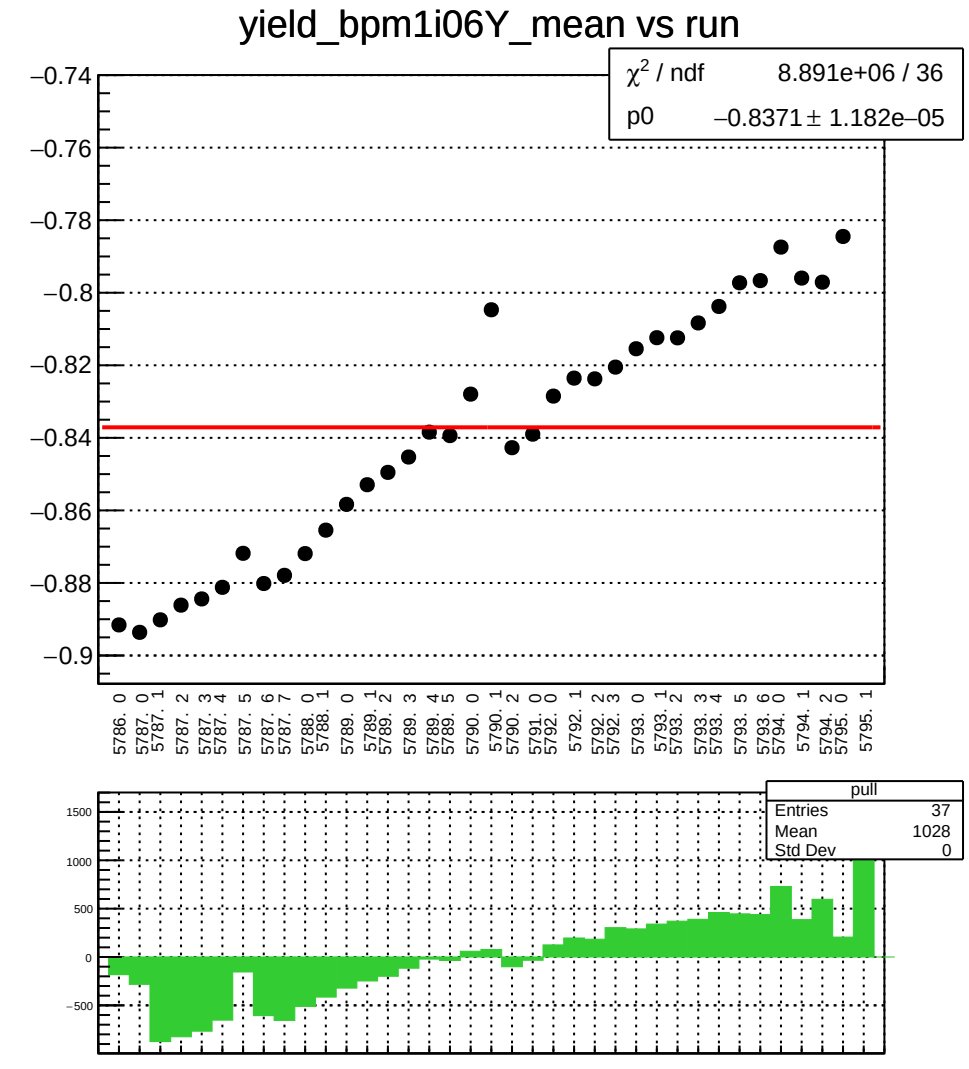

yield_bpm1i04Y_mean vs run
χ² / ndf 4.838e+06 / 36
p0 4.265 ± 8.619e−06
4.3
4.29
4.28
4.27
4.26
4.25
4.24
4.23
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1672
Std Dev 0
600
400
200
0
−200
−400
−600

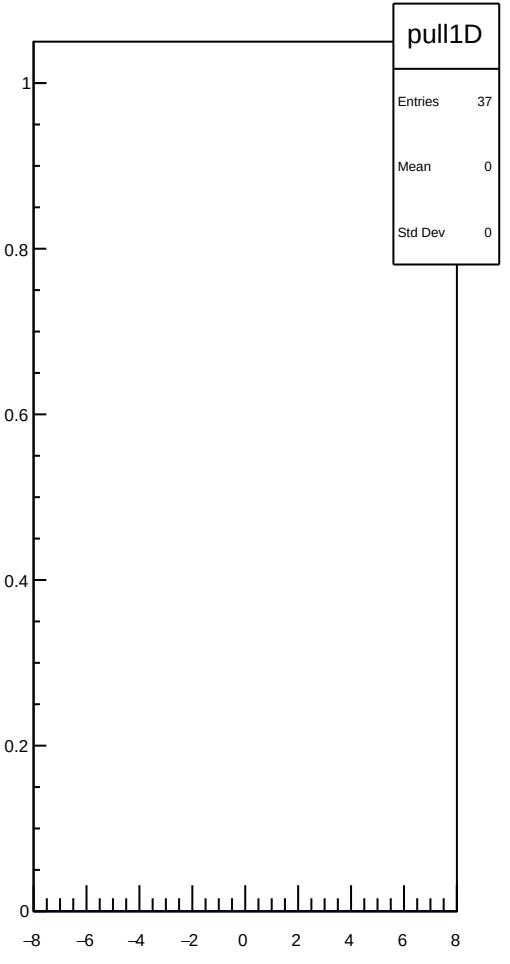

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

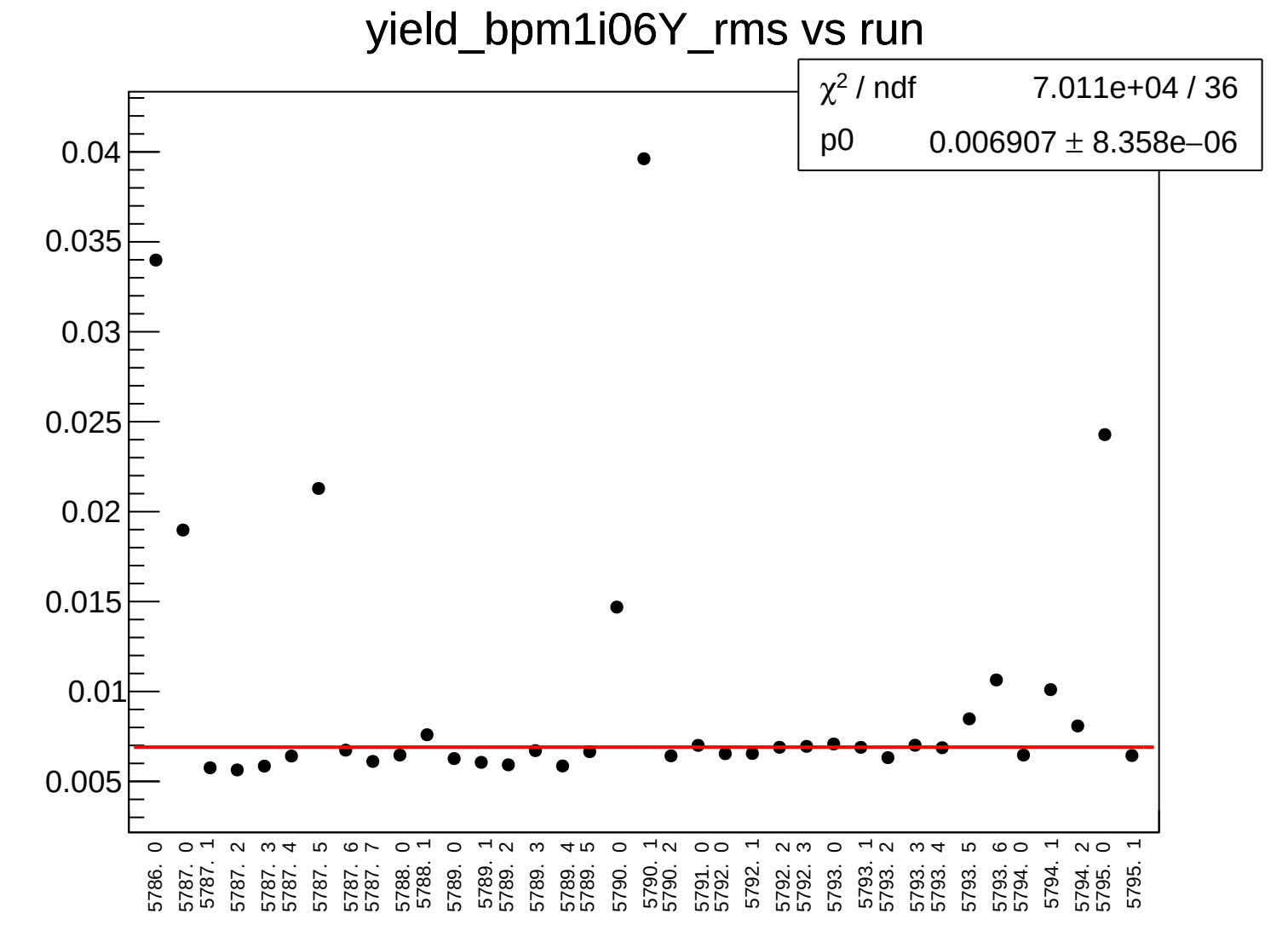

yield_bpm1i04Y_rms vs run
χ² / ndf 7274 / 36
p0 0.005263 ± 6.095e−06
0.0085
0.008
0.0075
0.007
0.0065
0.006
0.0055
0.005
0.0045
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

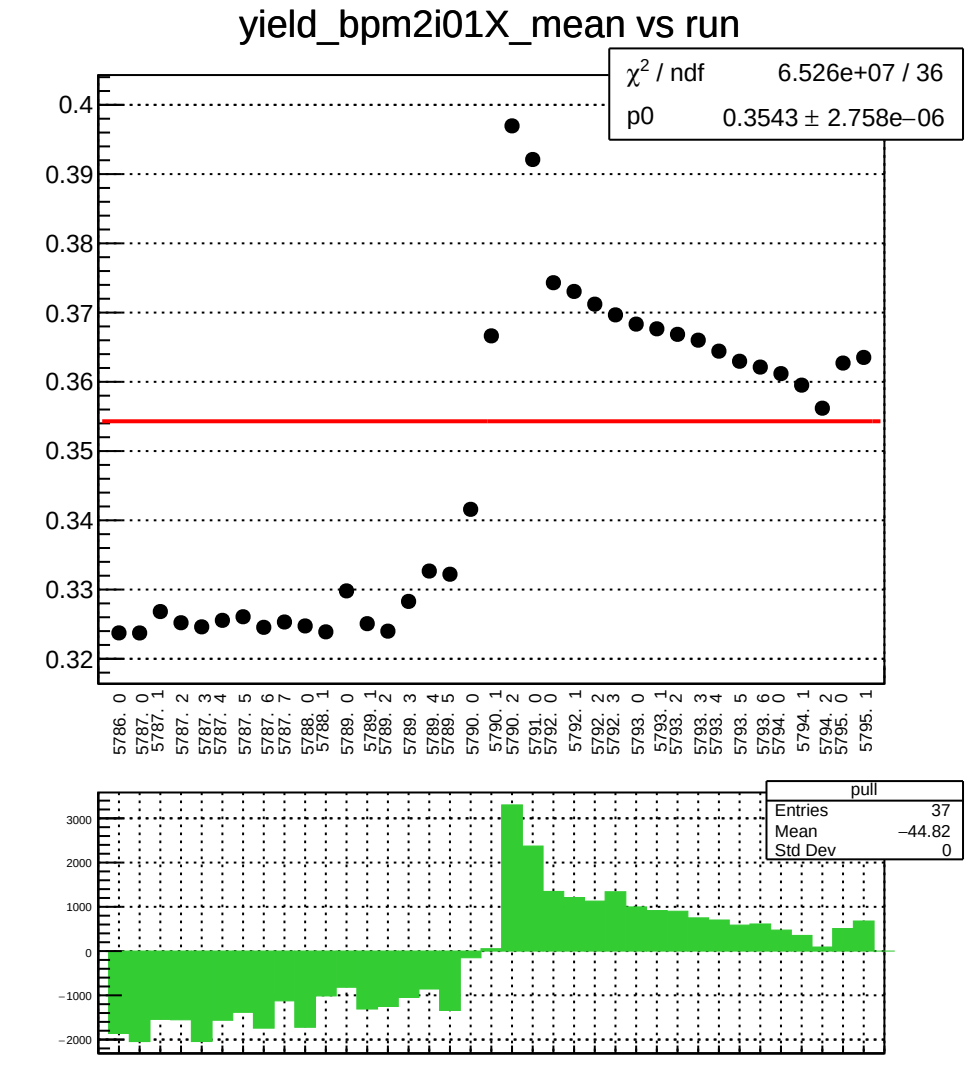

yield_bpm1i06X_mean vs run
χ² / ndf 8.837e+05 / 36
p0 0.8437 ± 2.434e−05
0.88
0.86
0.84
0.82
0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −406.7
Std Dev 0
200
100
0
−100
−200
−300
−400
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

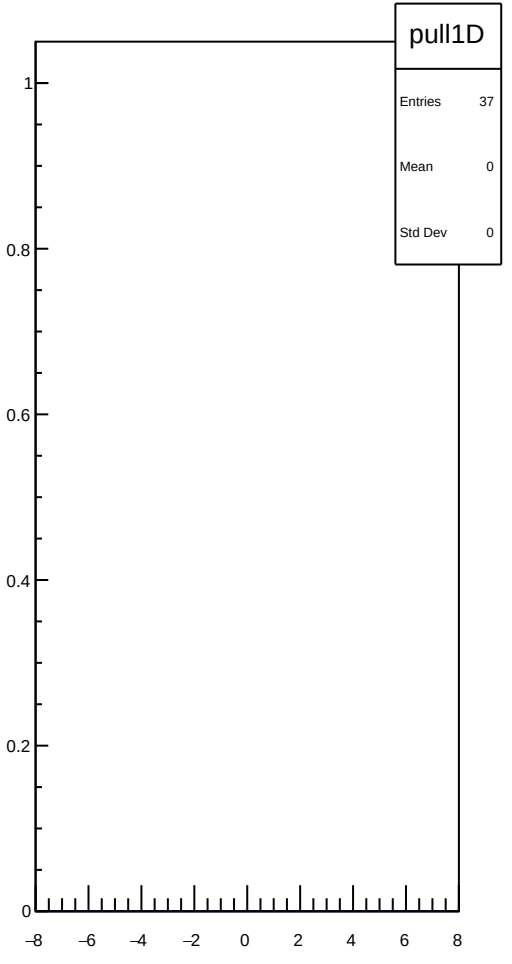

yield_bpm1i06X_rms vs run
χ² / ndf 1.367e+04 / 36
p0 0.0148 ± 1.721e−05
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

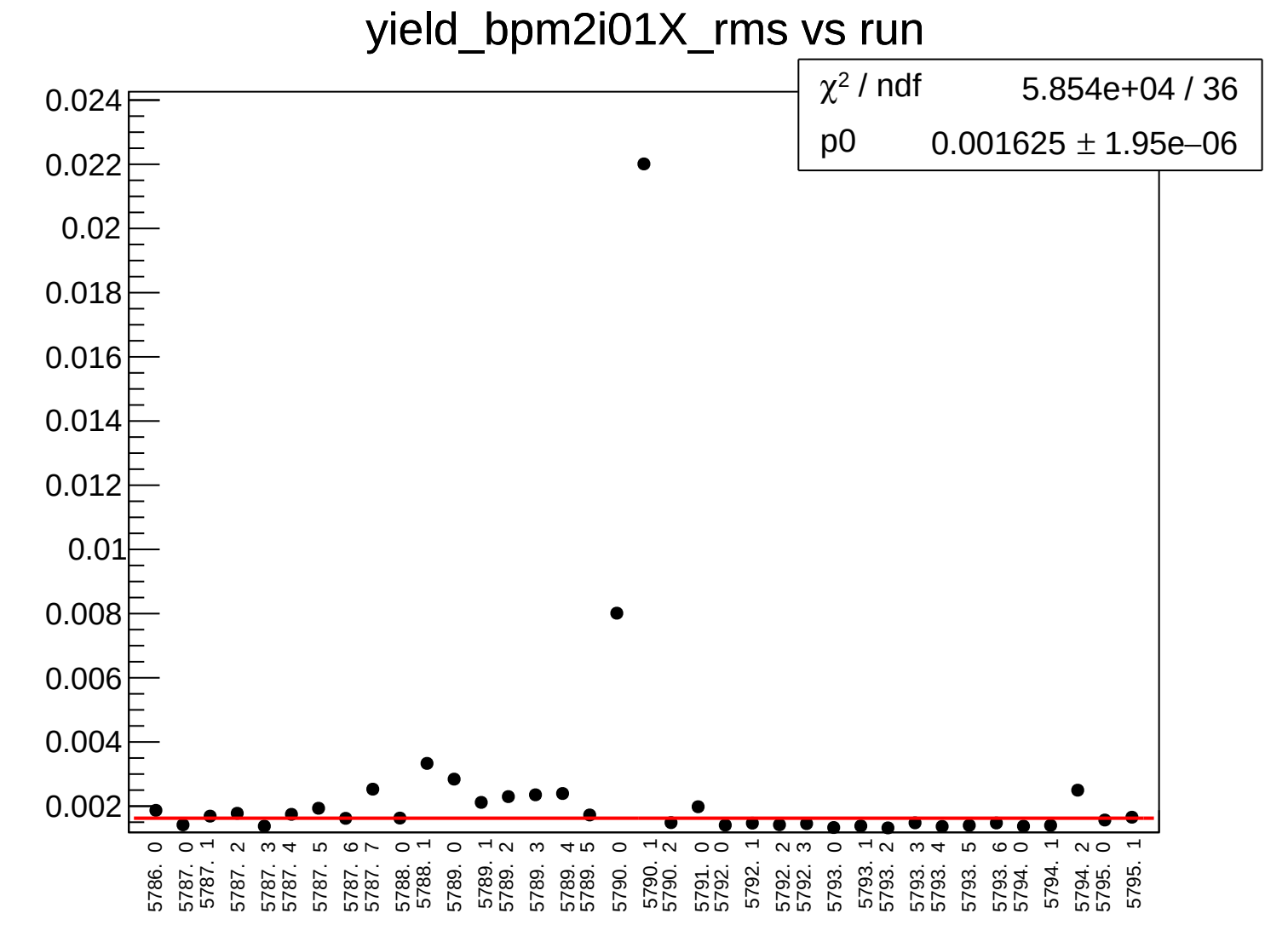

yield_bpm1i06Y_mean vs run
χ² / ndf 8.891e+06 / 36
p0 −0.8371 ± 1.182e−05
−0.74
−0.76
−0.78
−0.8
−0.82
−0.84
−0.86
−0.88
−0.9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1028
Std Dev 0
1500
1000
500
0
−500

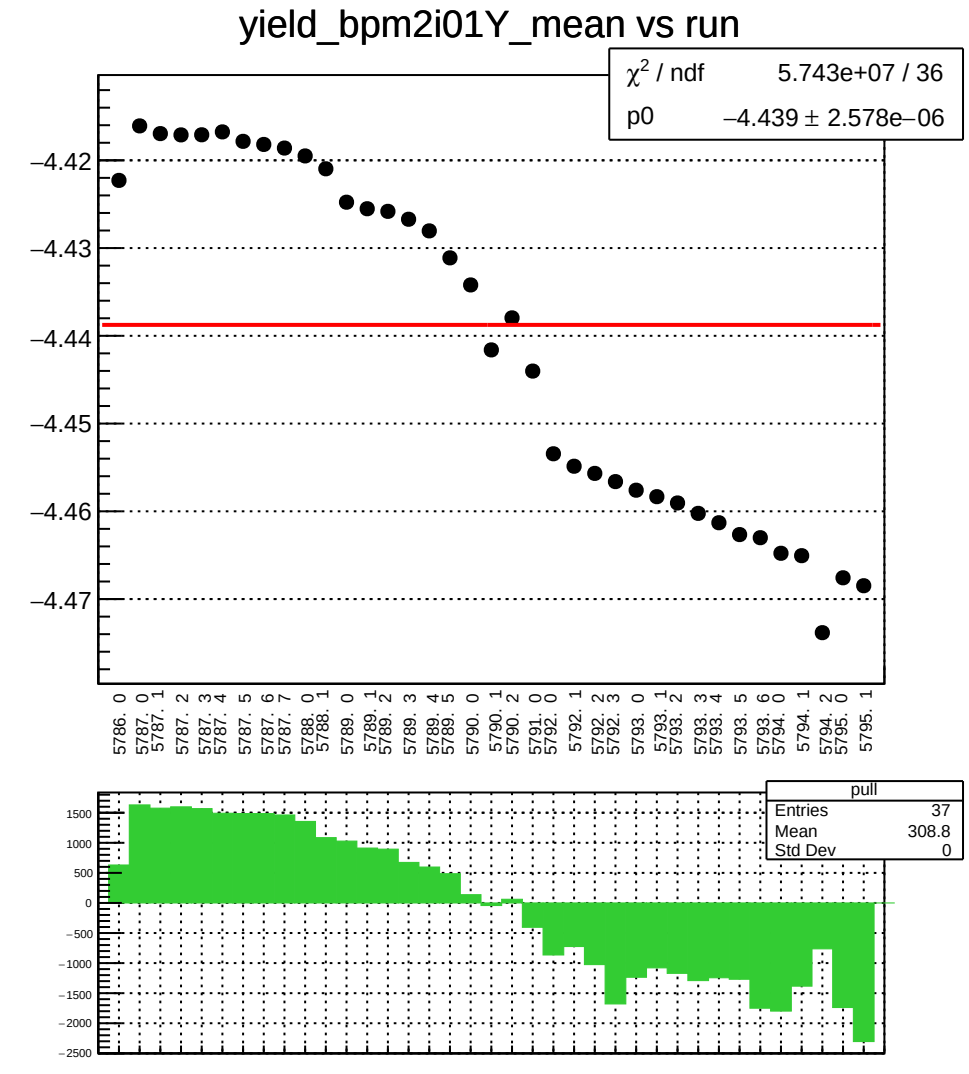

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

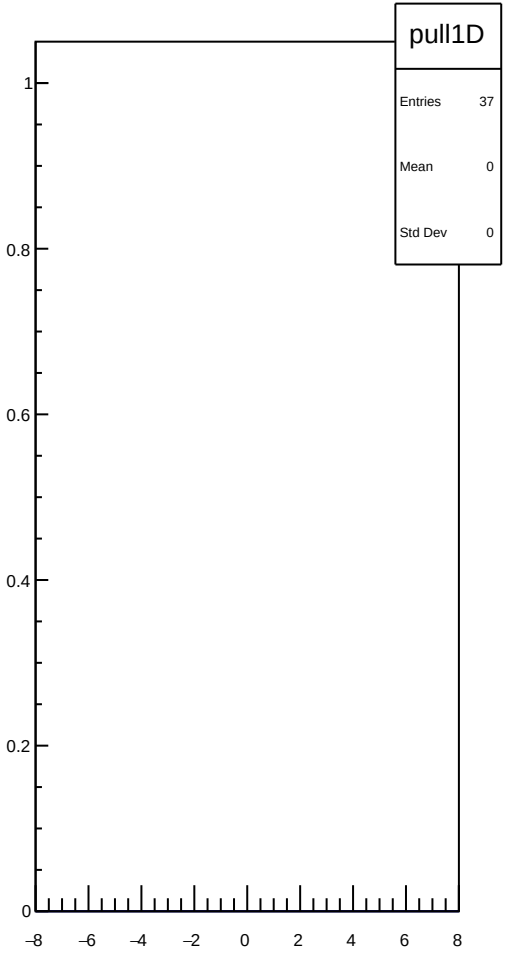

yield_bpm1i06Y_rms vs run
χ² / ndf 7.011e+04 / 36
p0 0.006907 ± 8.358e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

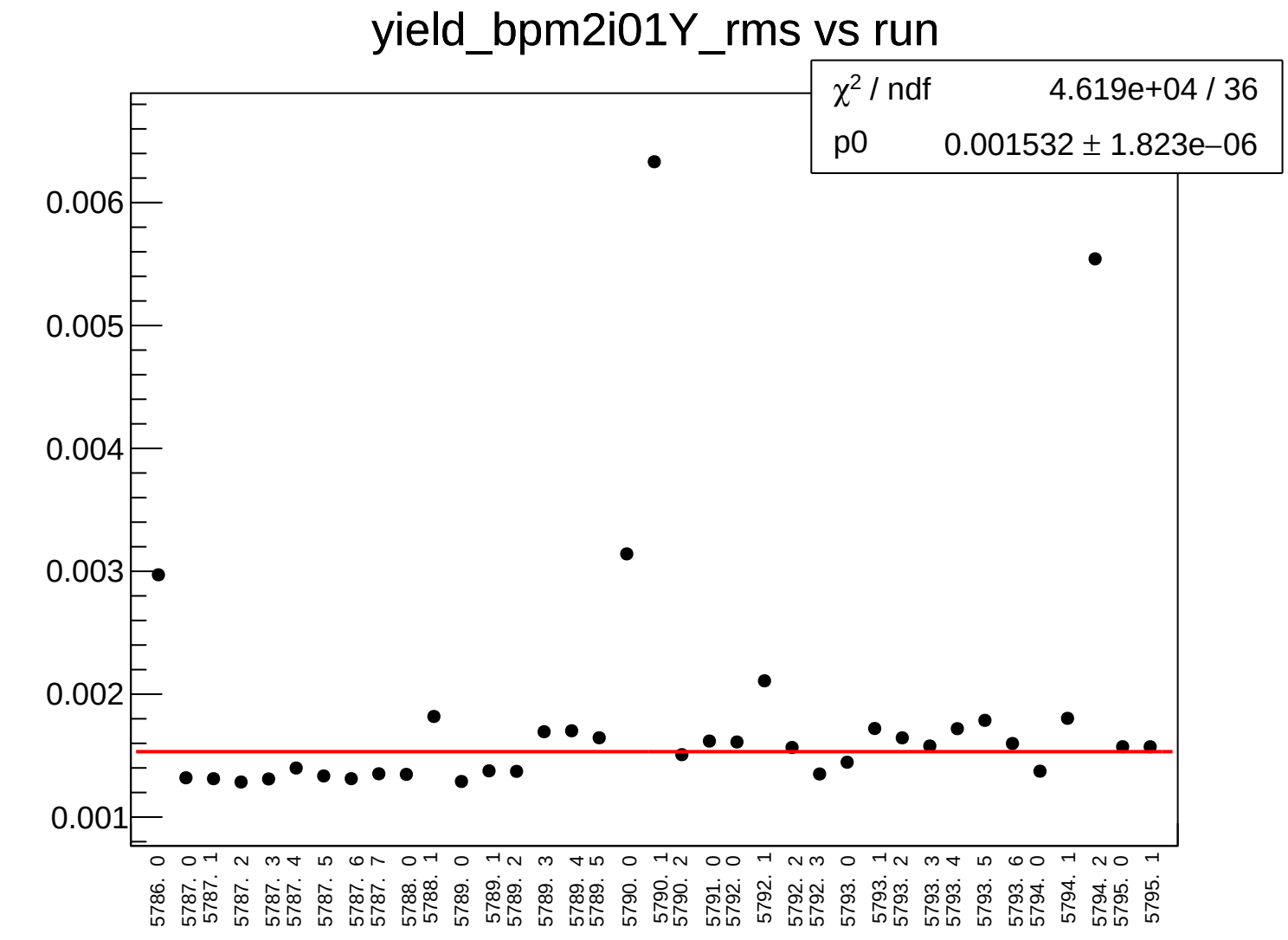

yield_bpm2i01X_mean vs run
χ² / ndf 6.526e+07 / 36
p0 0.3543 ± 2.758e−06
0.4
0.39
0.38
0.37
0.36
0.35
0.34
0.33
0.32
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −44.82
Std Dev 0
3000
2000
1000
0
−1000
−2000

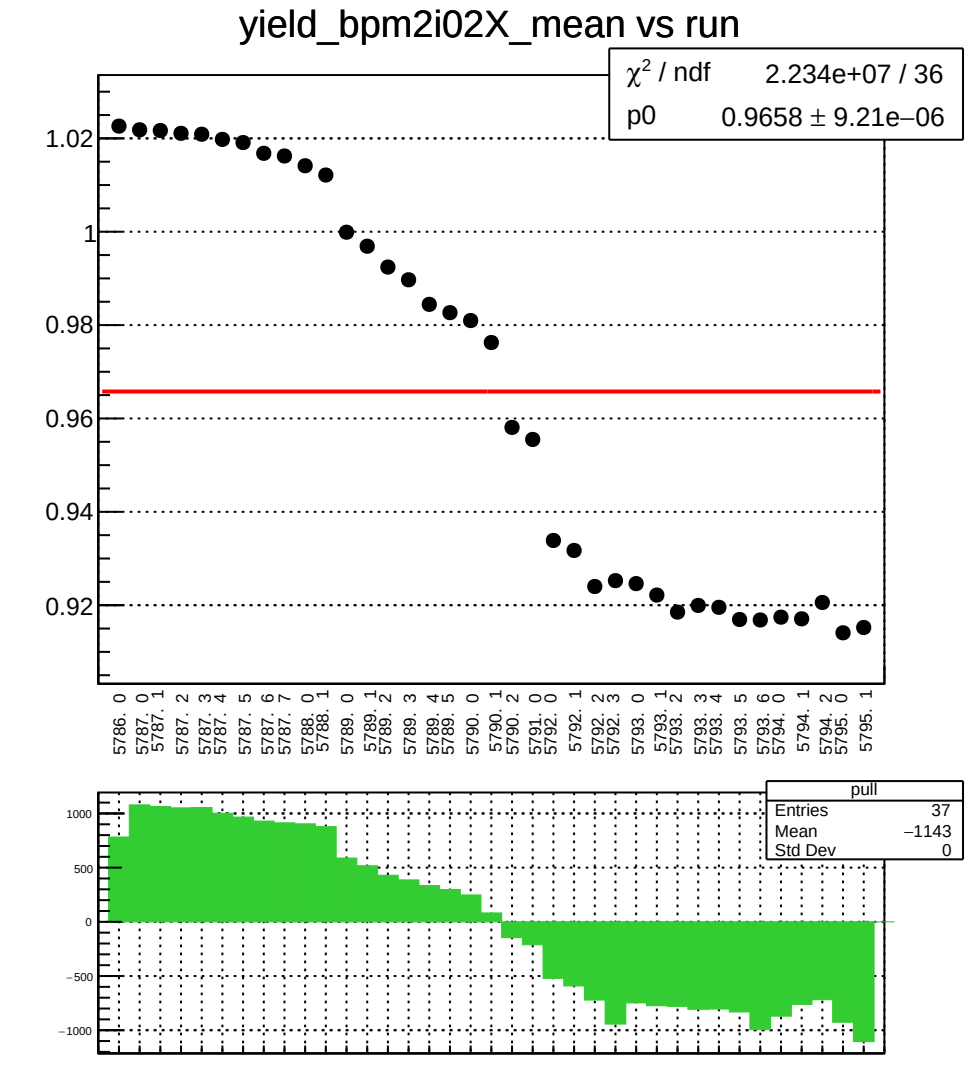

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

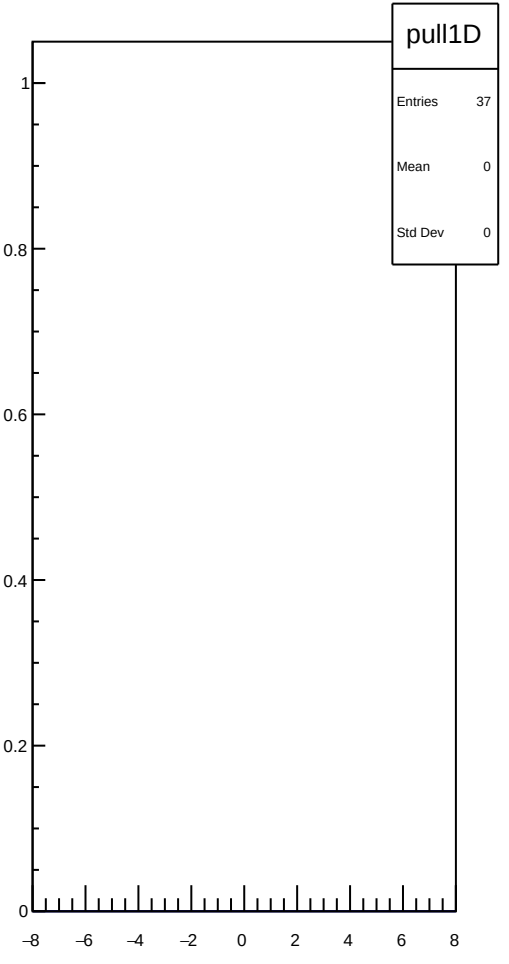

yield_bpm2i01X_rms vs run
χ² / ndf 5.854e+04 / 36
p0 0.001625 ± 1.95e−06
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

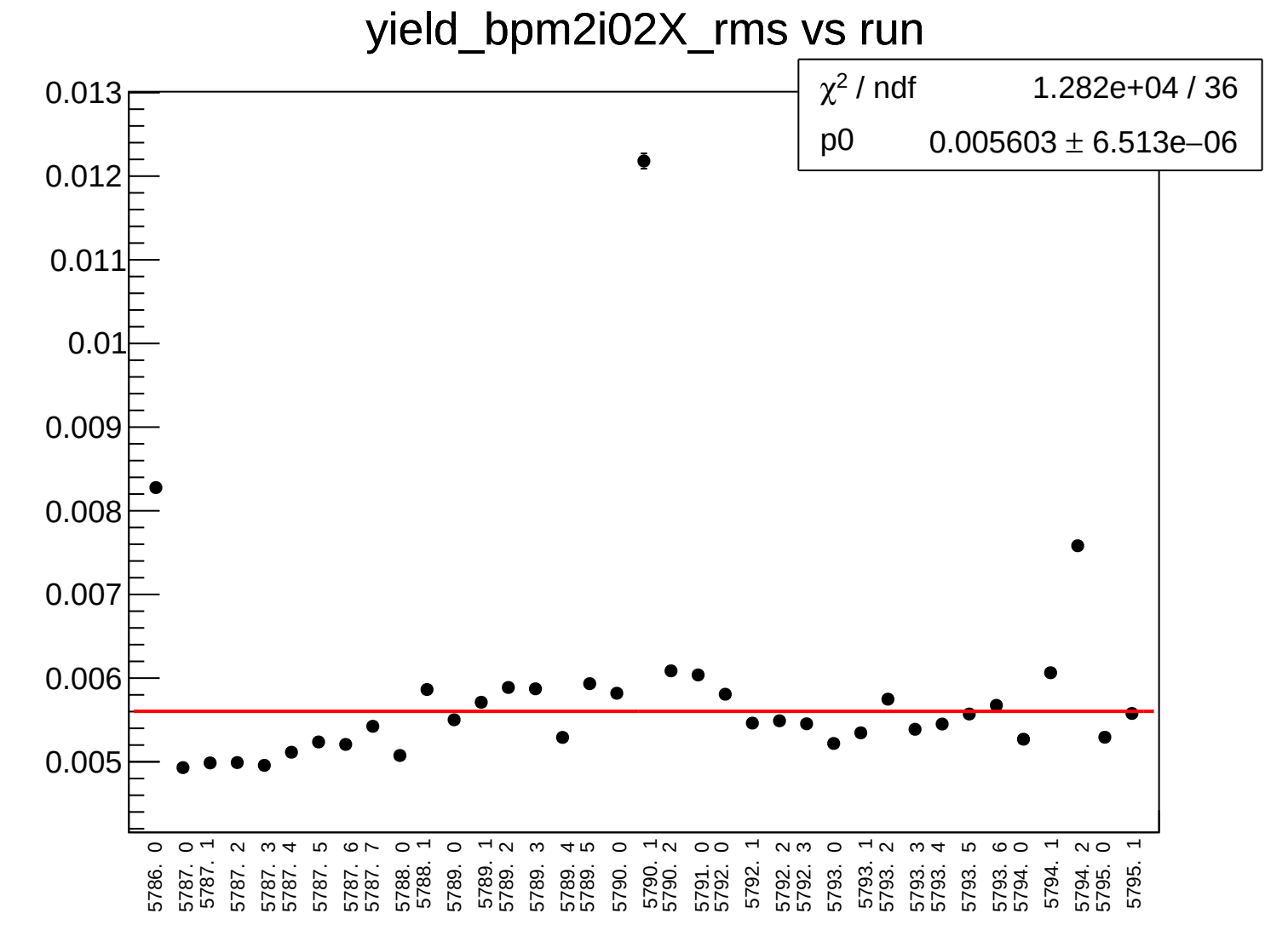

yield_bpm2i01Y_mean vs run
χ² / ndf 5.743e+07 / 36
p0 −4.439 ± 2.578e−06
−4.42
−4.43
−4.44
−4.45
−4.46
−4.47
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 308.8
Std Dev 0
1500
1000
500
0
−500
−1000
−1500
−2000
−2500

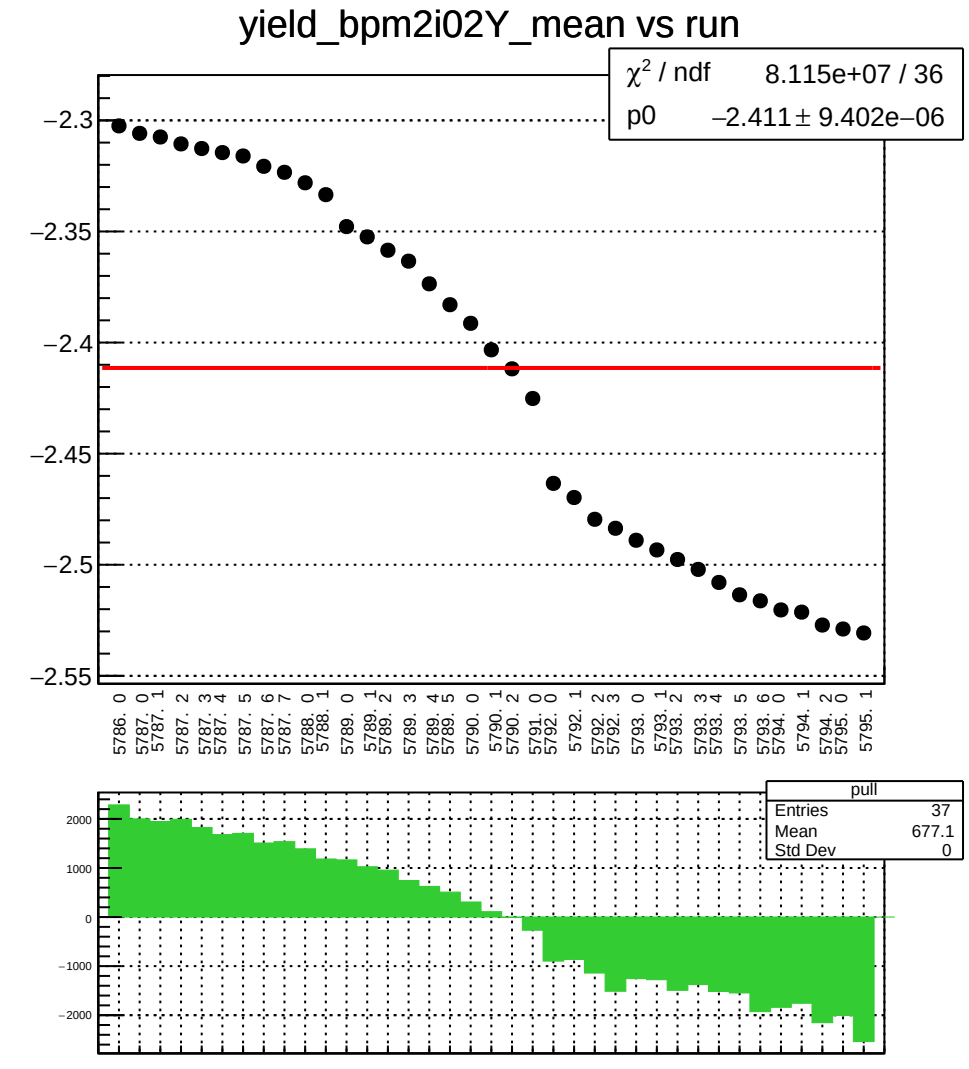

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

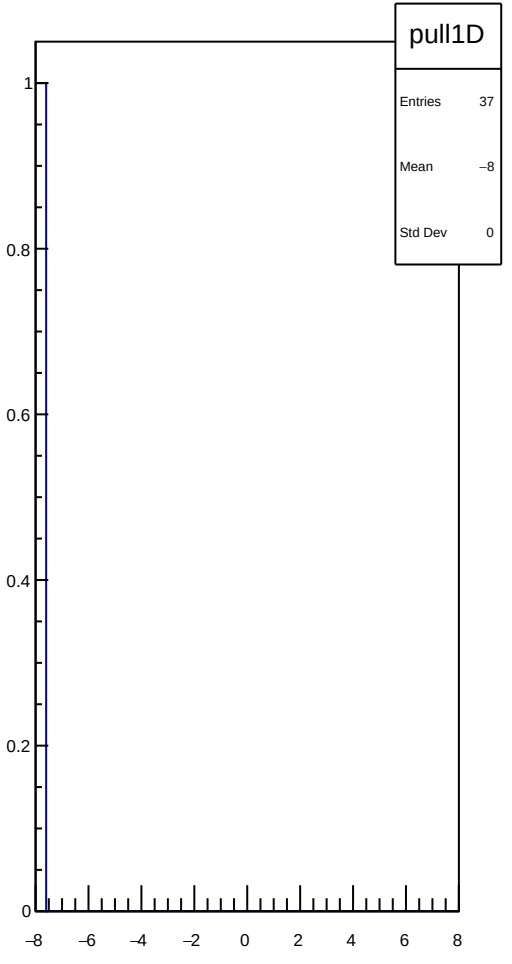

yield_bpm2i01Y_rms vs run
χ² / ndf 4.619e+04 / 36
p0 0.001532 ± 1.823e−06
0.006
0.005
0.004
0.003
0.002
0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

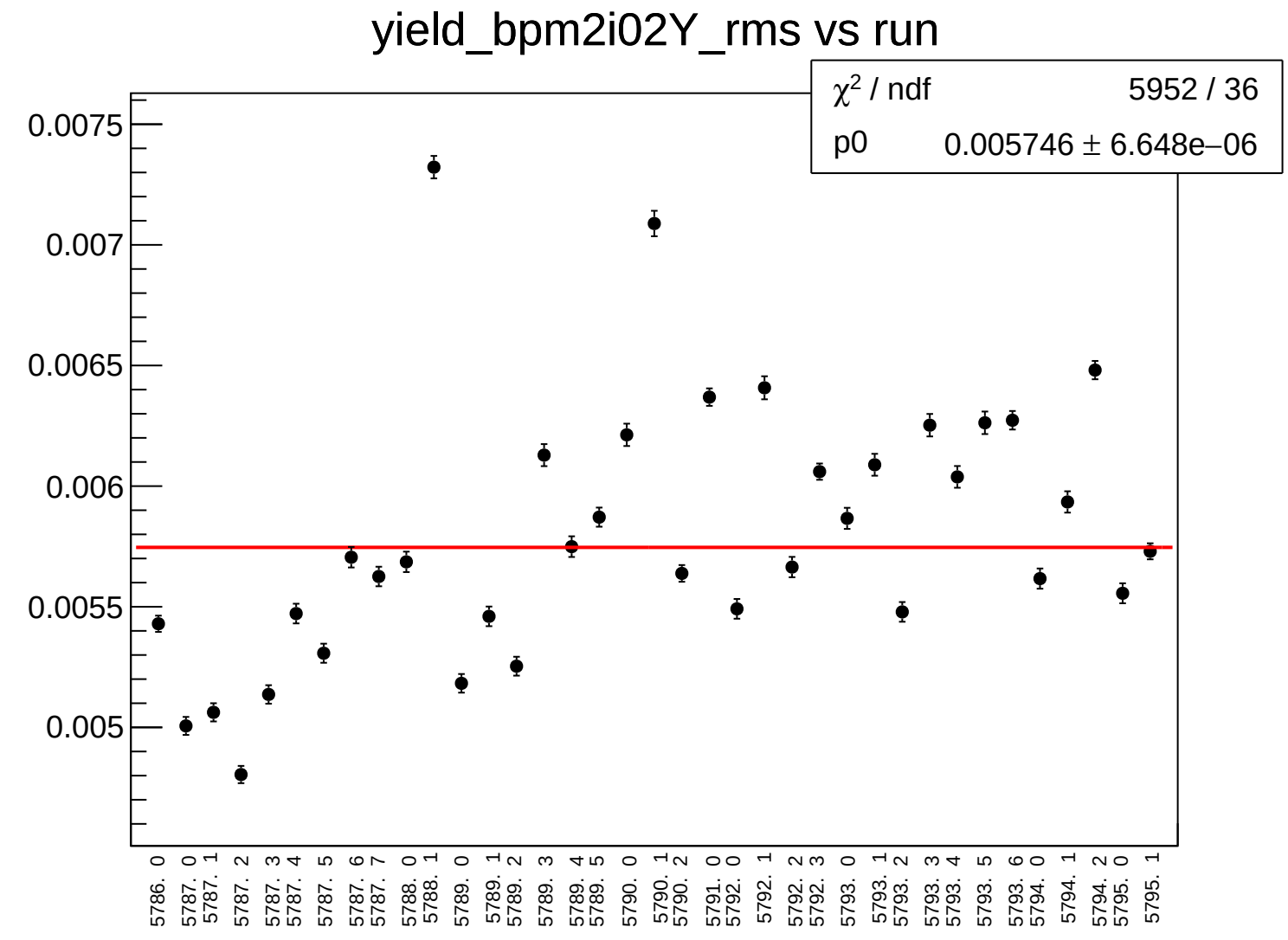

yield_bpm2i02X_mean vs run
χ² / ndf 2.234e+07 / 36
p0 0.9658 ± 9.21e−06
1.02
1
0.98
0.96
0.94
0.92
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1143
Std Dev 0
1000
500
0
−500
−1000

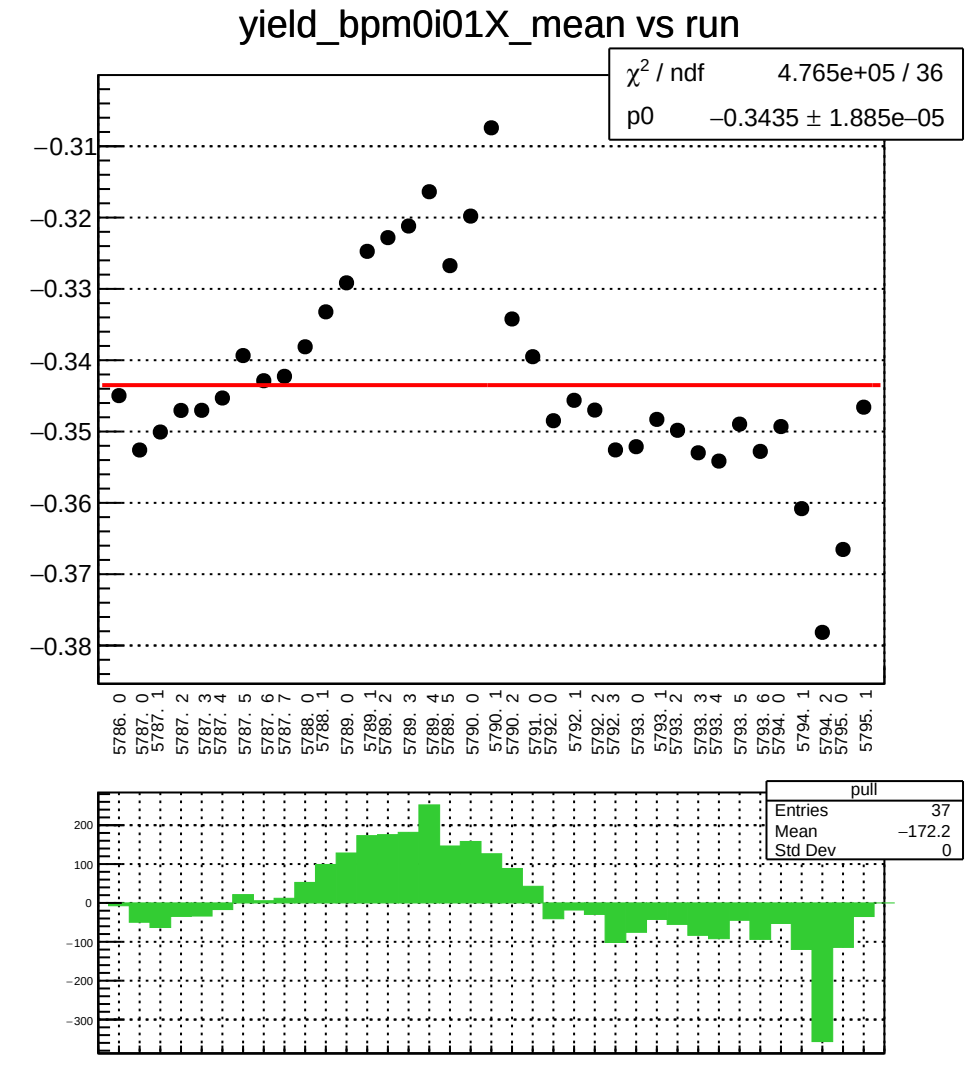

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

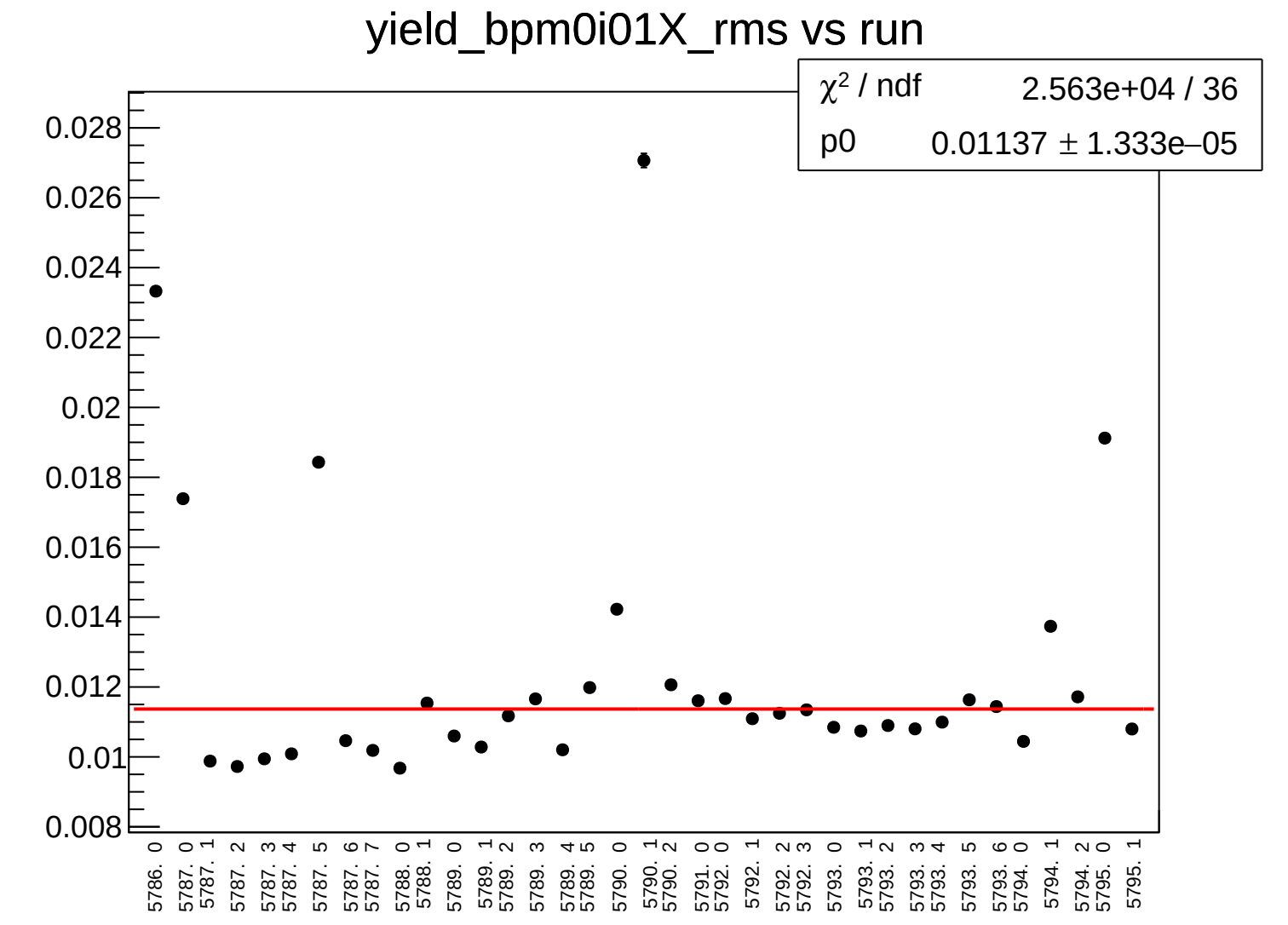

yield_bpm2i02X_rms vs run
χ² / ndf 1.282e+04 / 36
p0 0.005603 ± 6.513e−06
0.013
0.012
0.011
0.01
0.009
0.008
0.007
0.006
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

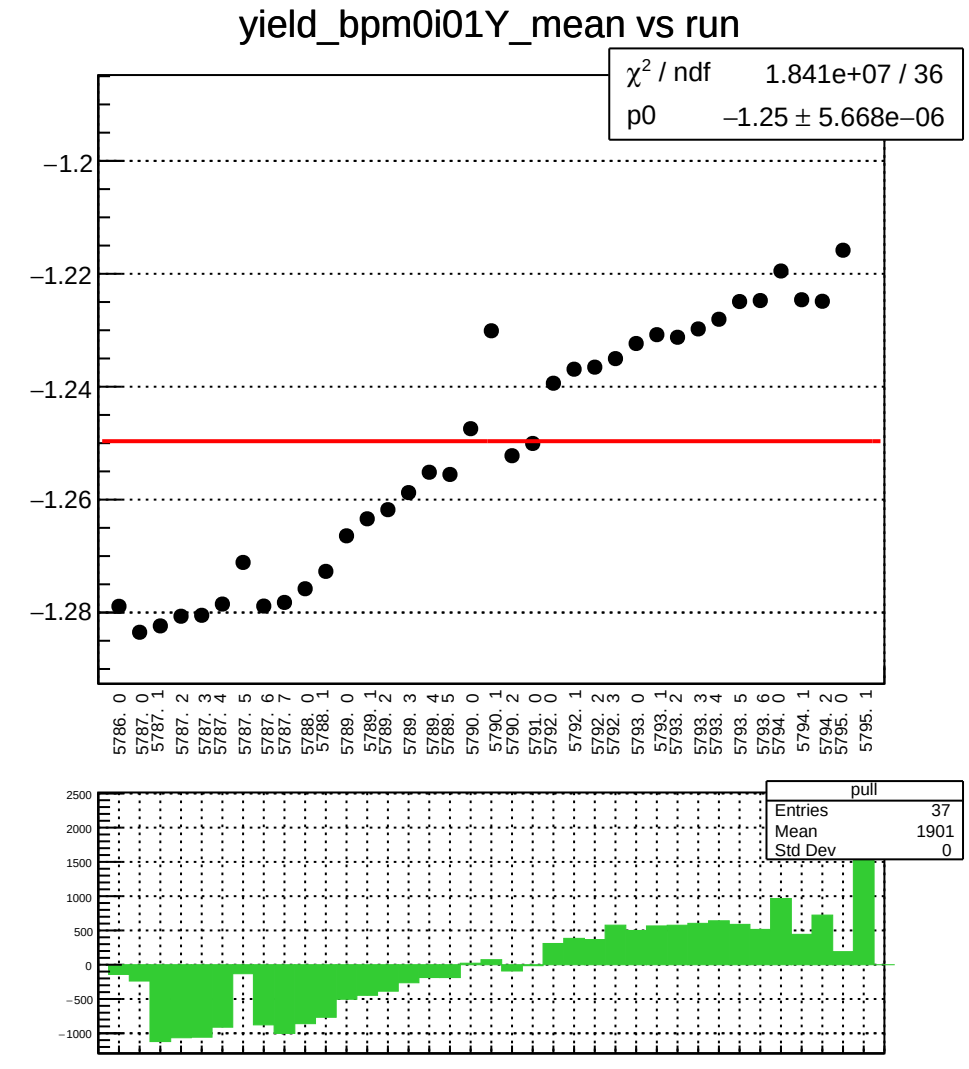

yield_bpm2i02Y_mean vs run
χ² / ndf 8.115e+07 / 36
p0 −2.411 ± 9.402e−06
−2.3
−2.35
−2.4
−2.45
−2.5
−2.55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 677.1
Std Dev 0
2000
1000
0
−1000
−2000

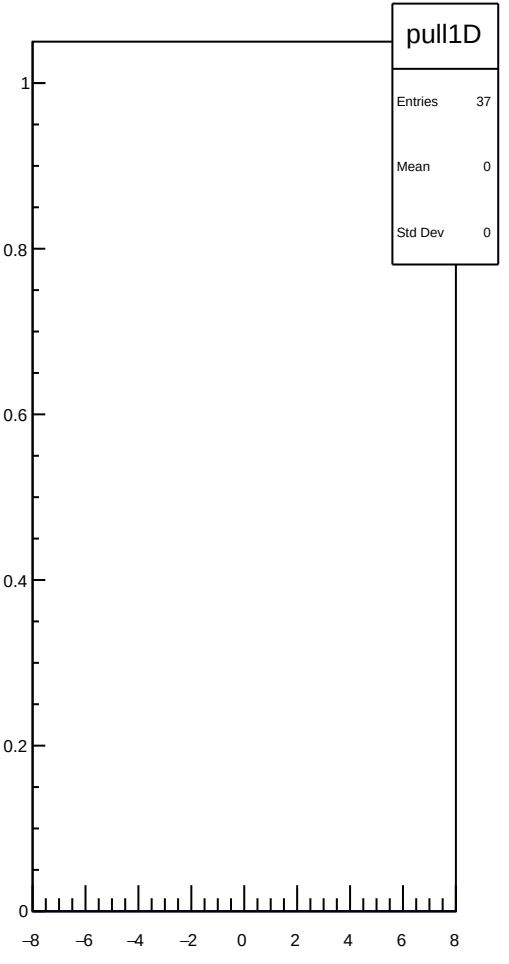

pull1D
Entries 37
Mean −8
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

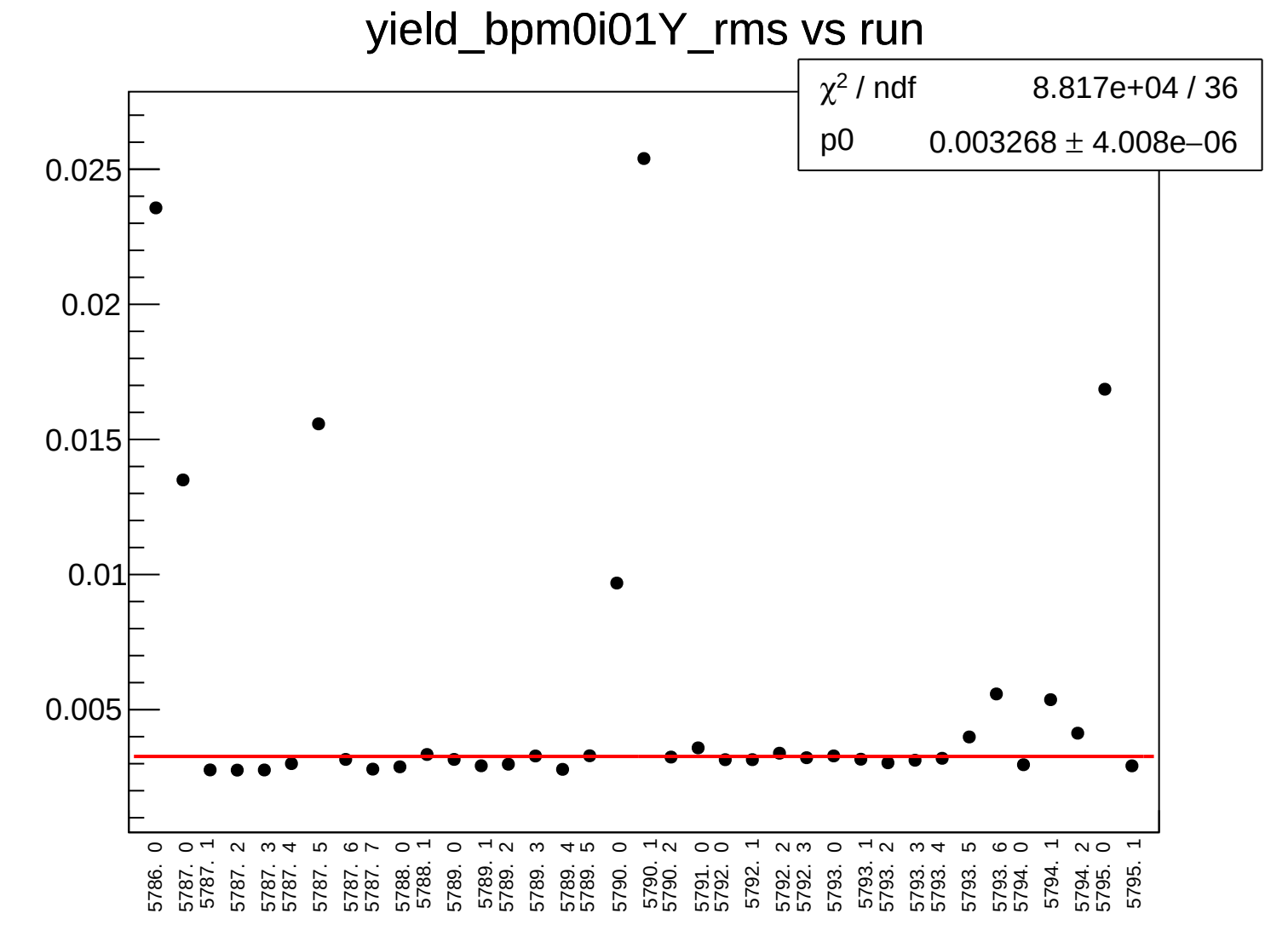

yield_bpm2i02Y_rms vs run
χ² / ndf 5952 / 36
p0 0.005746 ± 6.648e−06
0.0075
0.007
0.0065
0.006
0.0055
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

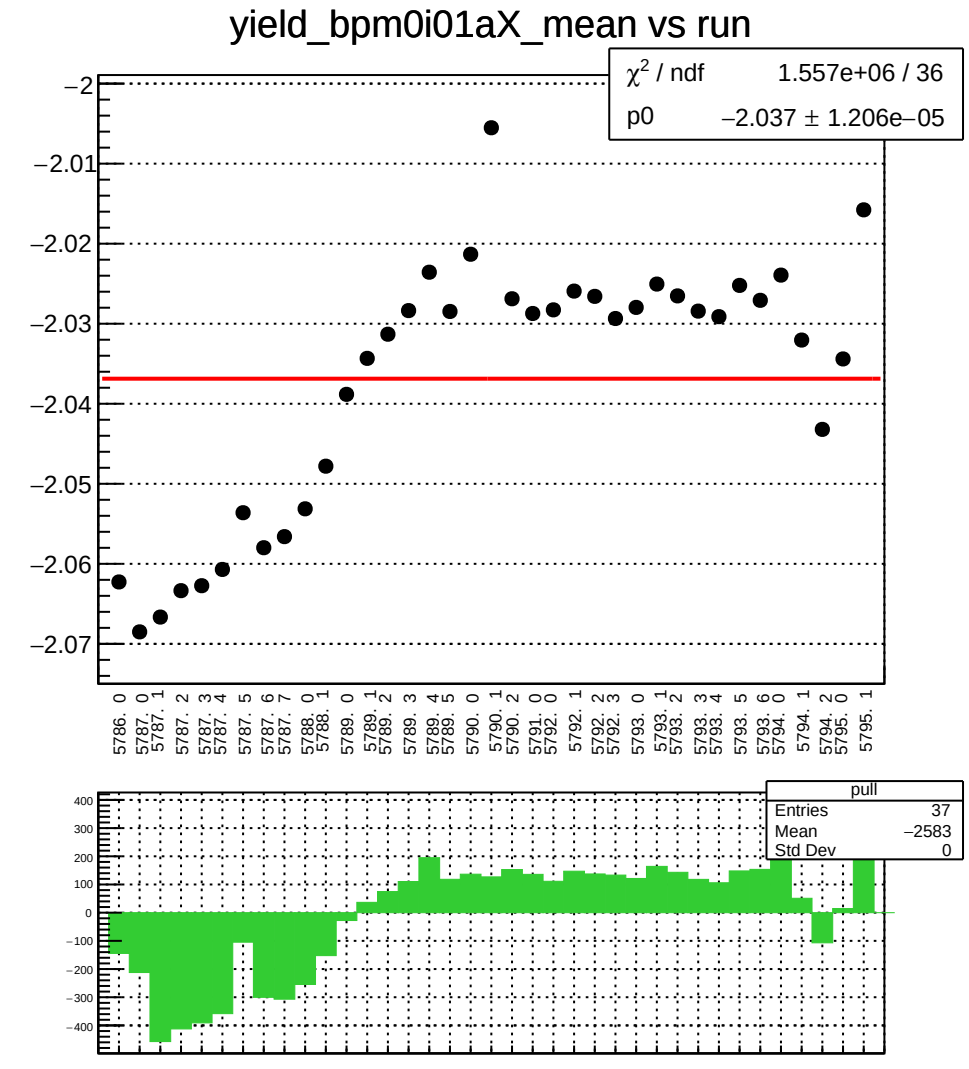

yield_bpm0i01X_mean vs run
χ² / ndf 4.765e+05 / 36
p0 −0.3435 ± 1.885e−05
−0.31
−0.32
−0.33
−0.34
−0.35
−0.36
−0.37
−0.38
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −172.2
Std Dev 0
200
100
0
−100
−200
−300
pull1D
Entries 37
Mean −0.7678
Std Dev 6.401
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

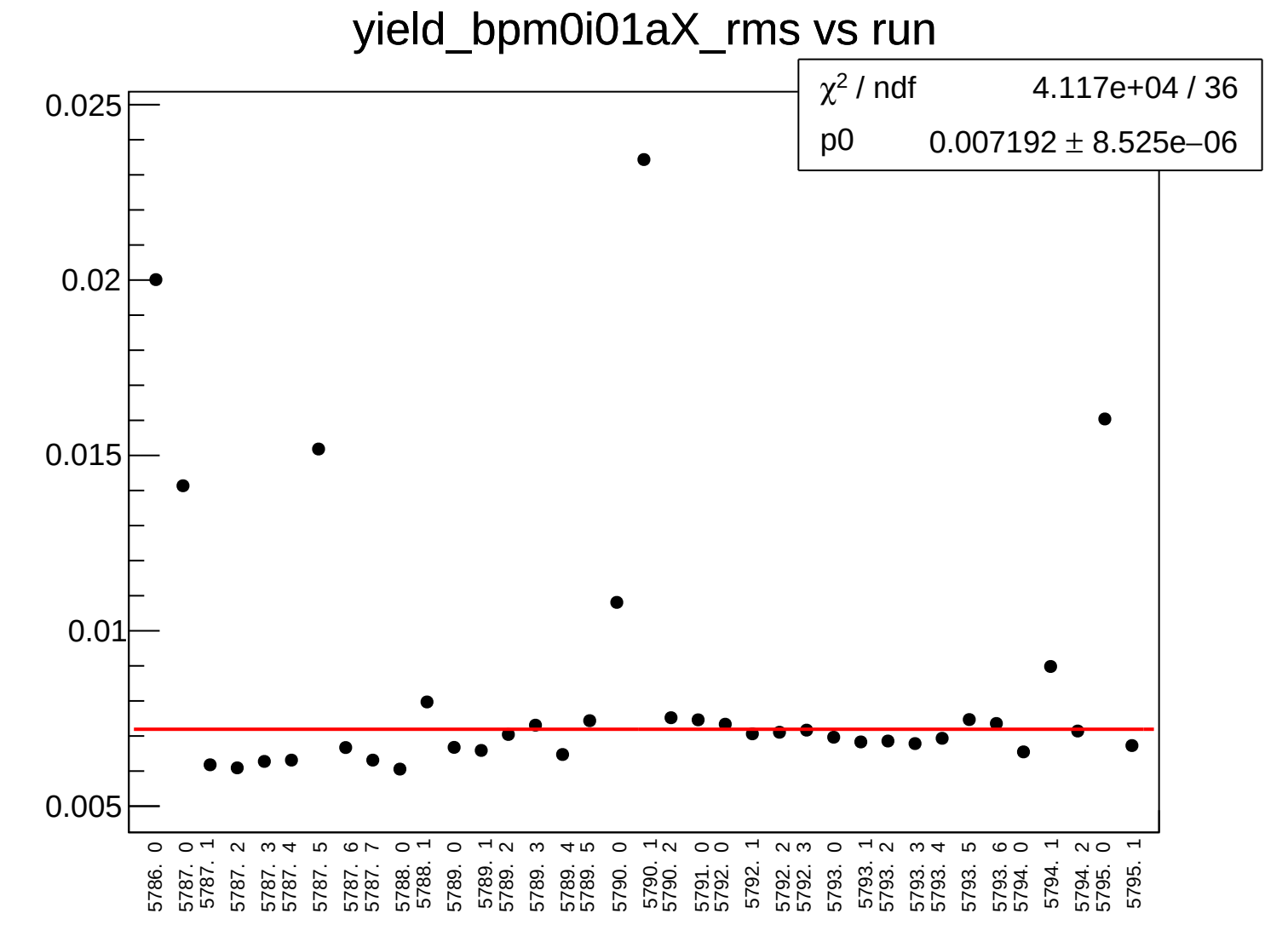

yield_bpm0i01X_rms vs run
χ² / ndf 2.563e+04 / 36
p0 0.01137 ± 1.333e–05
0.028
0.026
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

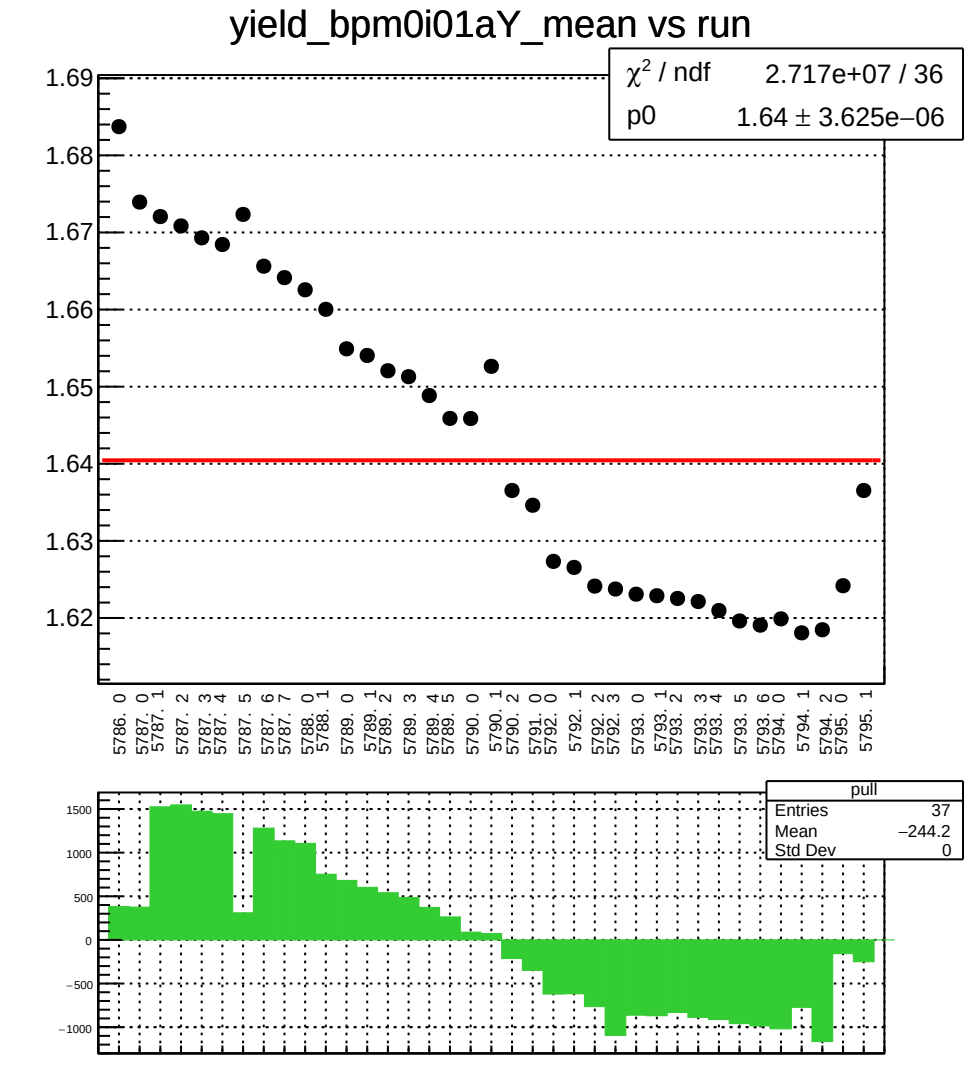

yield_bpm0i01Y_mean vs run
χ² / ndf 1.841e+07 / 36
p0 −1.25 ± 5.668e−06
−1.2
−1.22
−1.24
−1.26
−1.28
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1901
Std Dev 0
2500
2000
1500
1000
500
0
−500
−1000

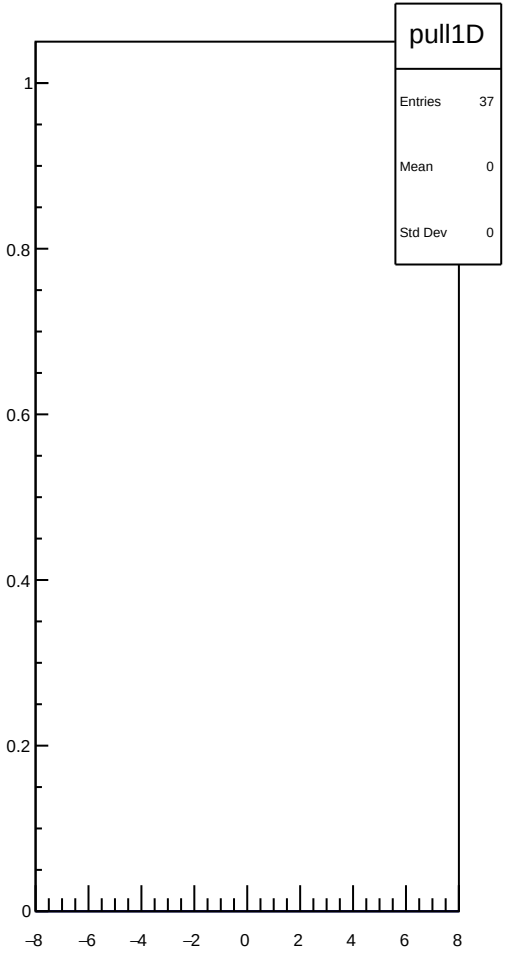

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

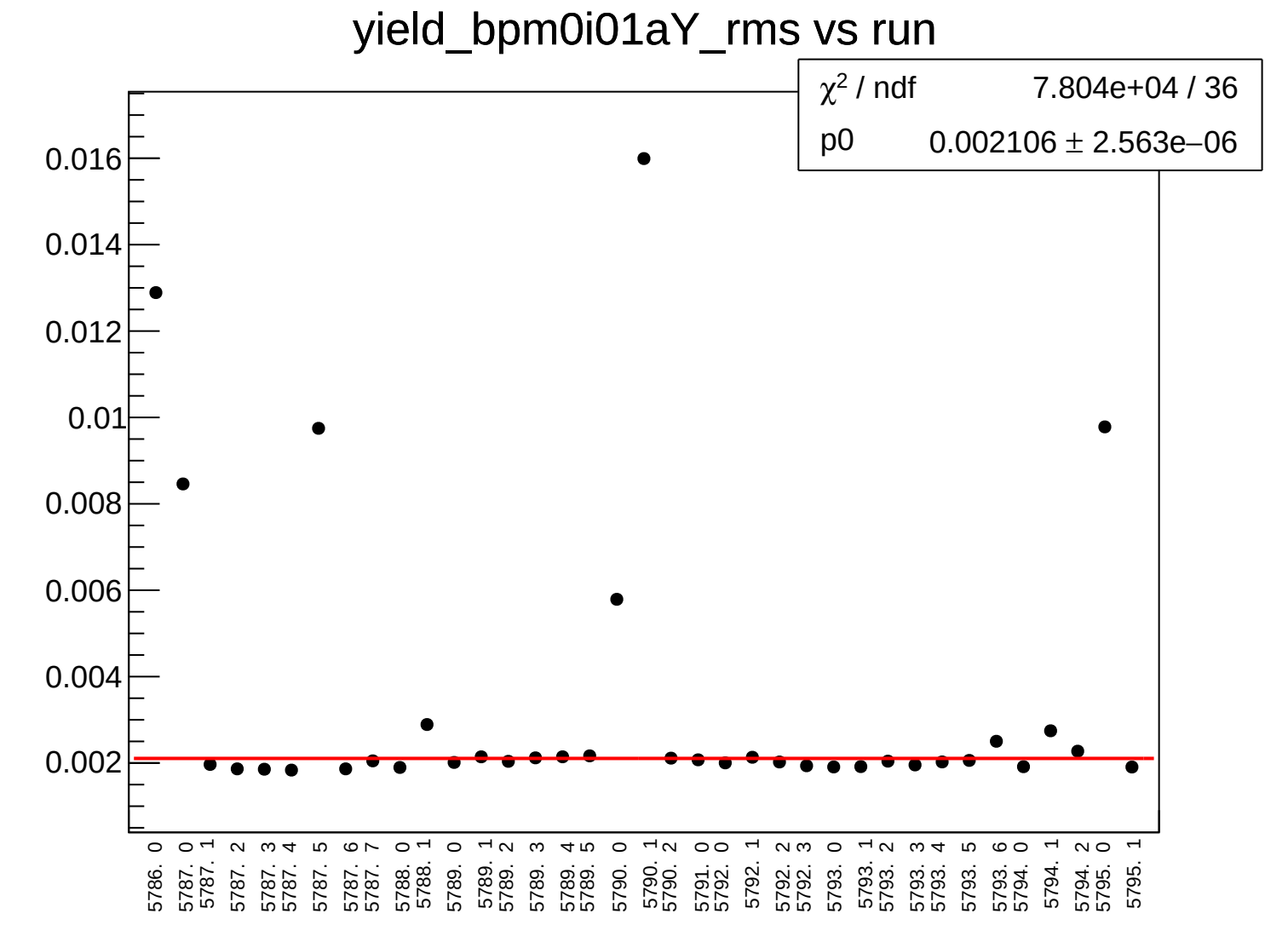

yield_bpm0i01Y_rms vs run
χ² / ndf 8.817e+04 / 36
p0 0.003268 ± 4.008e−06
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

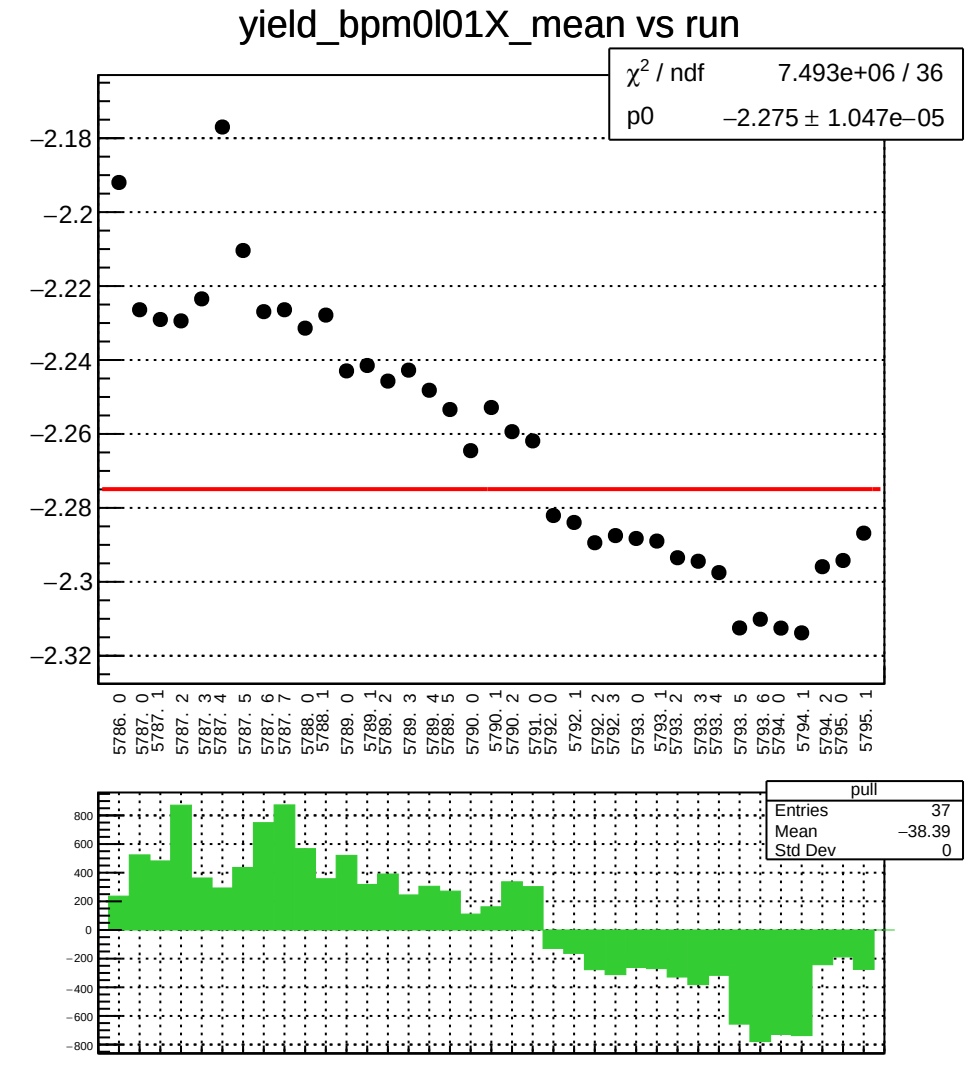

yield_bpm0i01aX_mean vs run
χ² / ndf 1.557e+06 / 36
p0 −2.037 ± 1.206e−05
−2
−2.01
−2.02
−2.03
−2.04
−2.05
−2.06
−2.07
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2583
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

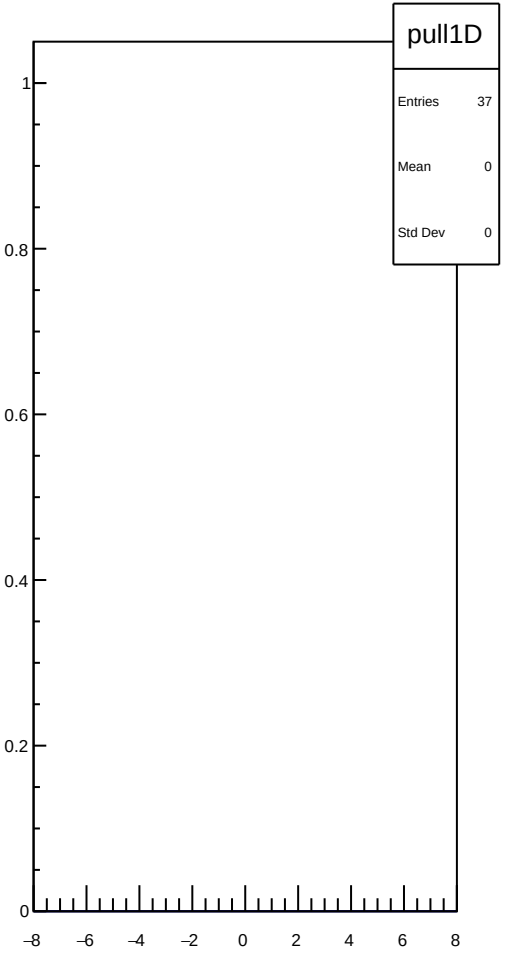

yield_bpm0i01aX_rms vs run
χ² / ndf 4.117e+04 / 36
p0 0.007192 ± 8.525e−06
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

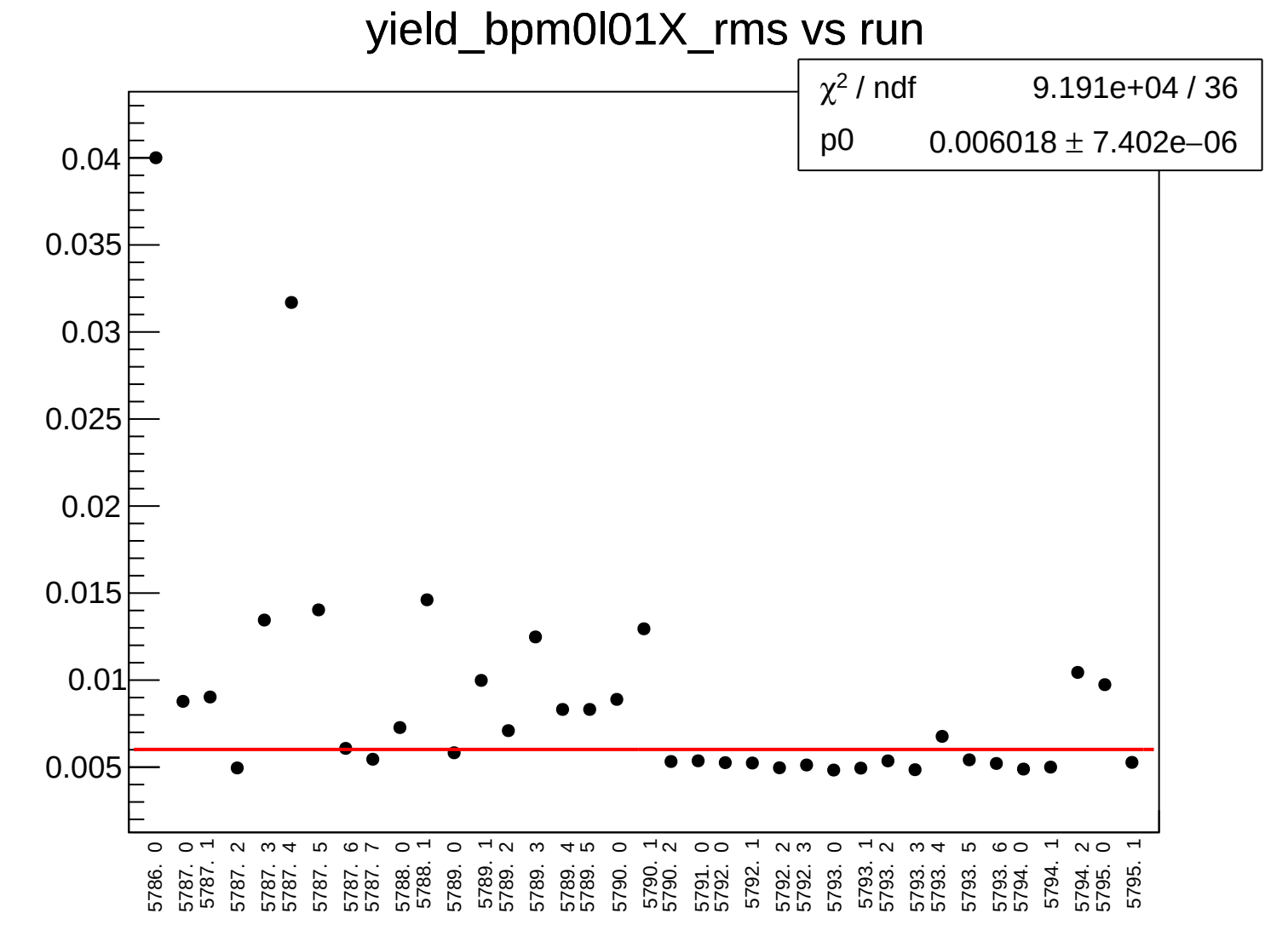

yield_bpm0i01aY_mean vs run
χ² / ndf 2.717e+07 / 36
p0 1.64 ± 3.625e−06
1.69
1.68
1.67
1.66
1.65
1.64
1.63
1.62
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −244.2
Std Dev 0
1500
1000
500
0
−500
−1000

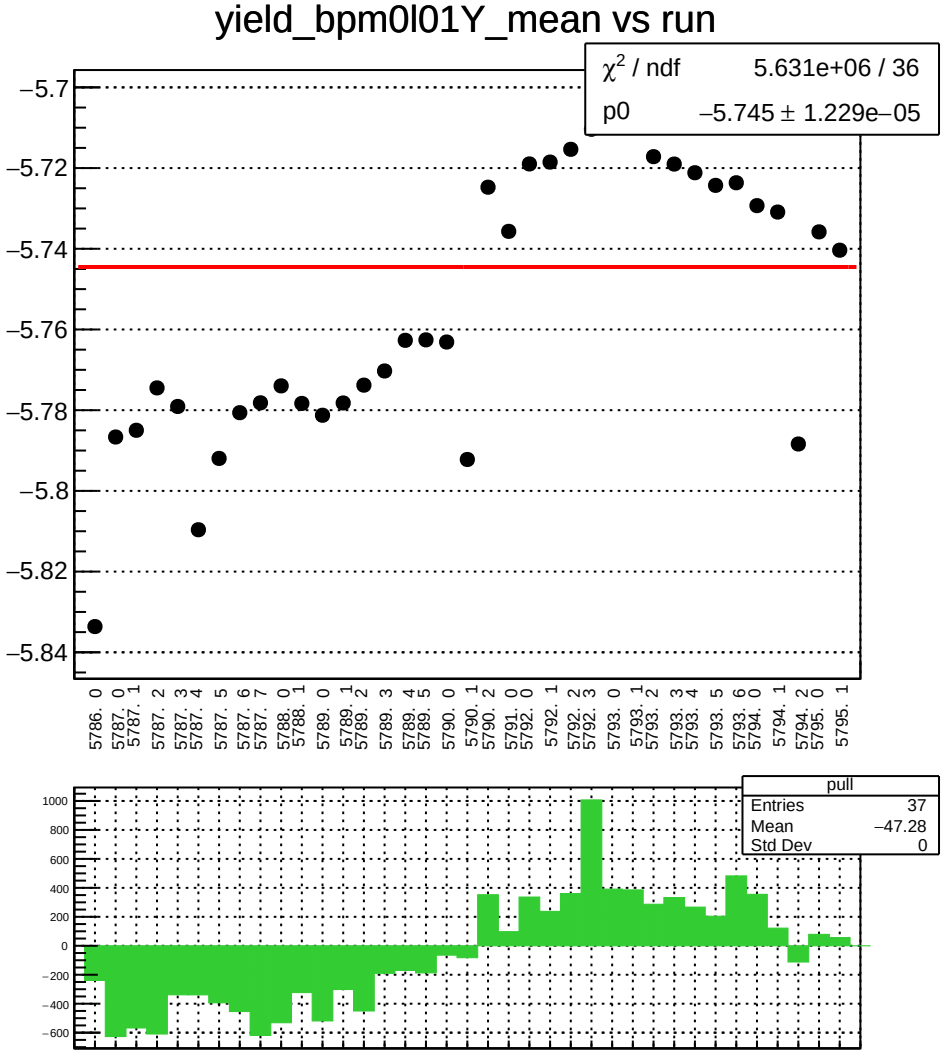

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

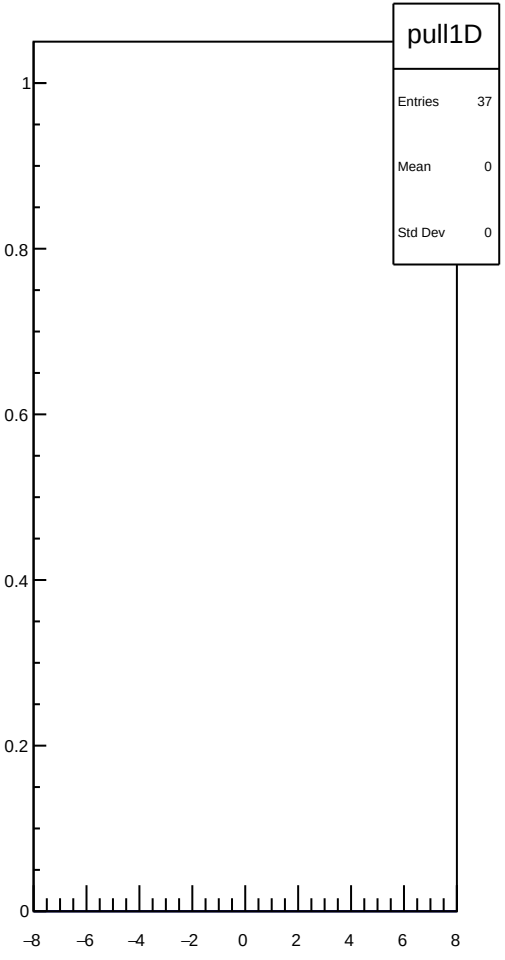

yield_bpm0i01aY_rms vs run
χ² / ndf 7.804e+04 / 36
p0 0.002106 ± 2.563e−06
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

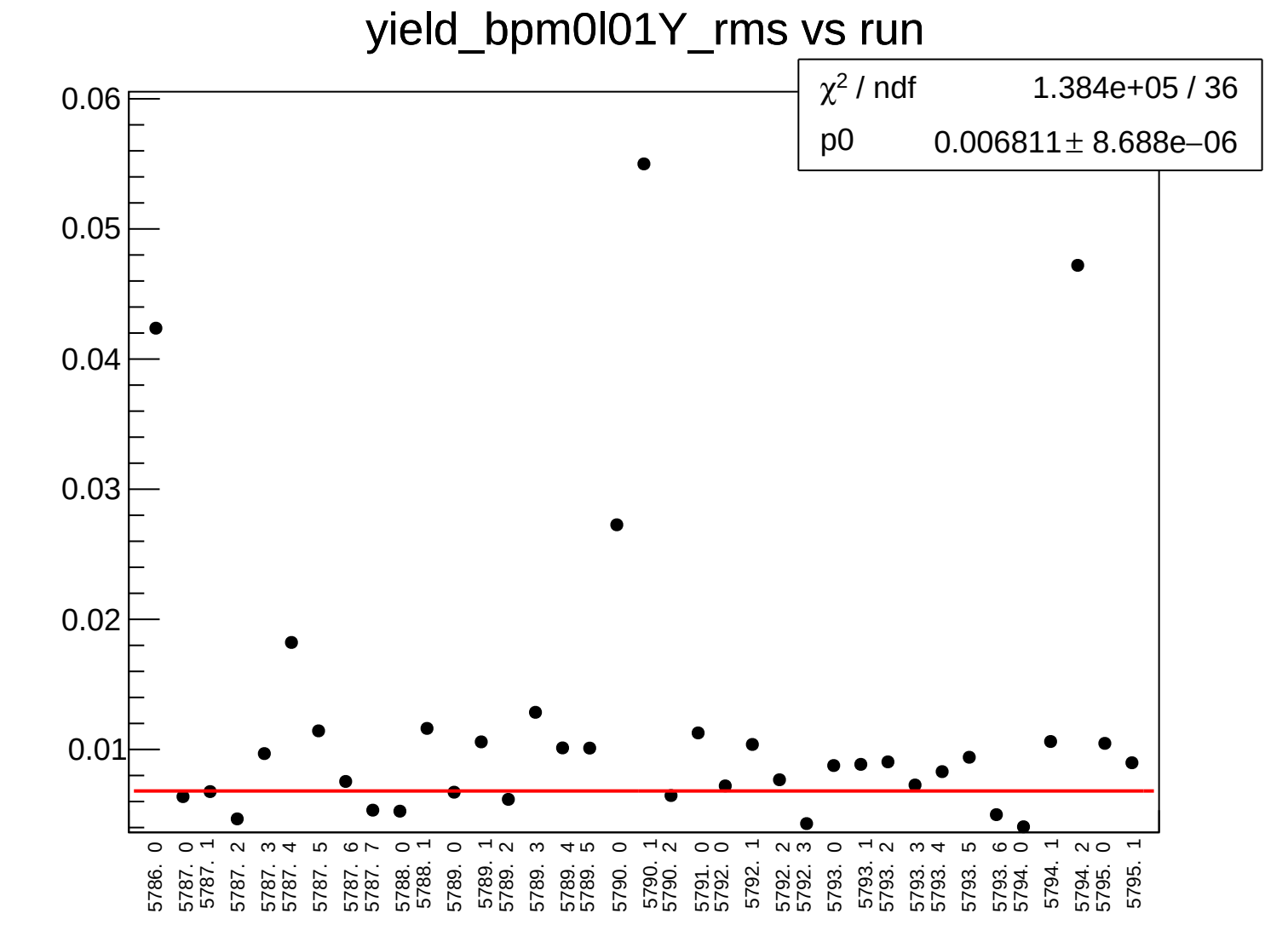

yield_bpm0l01X_mean vs run
χ² / ndf 7.493e+06 / 36
p0 −2.275 ± 1.047e−05
−2.18
−2.2
−2.22
−2.24
−2.26
−2.28
−2.3
−2.32
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −38.39
Std Dev 0
800
600
400
200
0
−200
−400
−600
−800

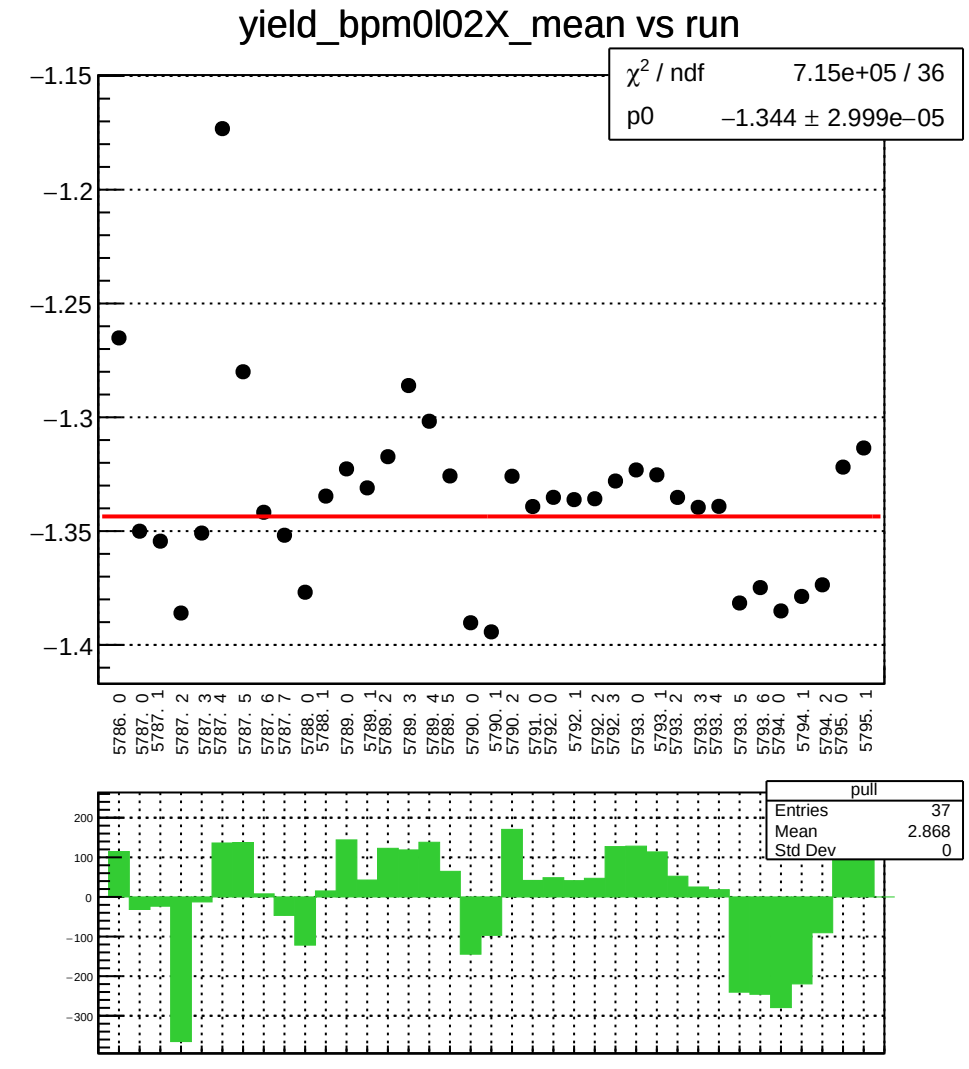

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

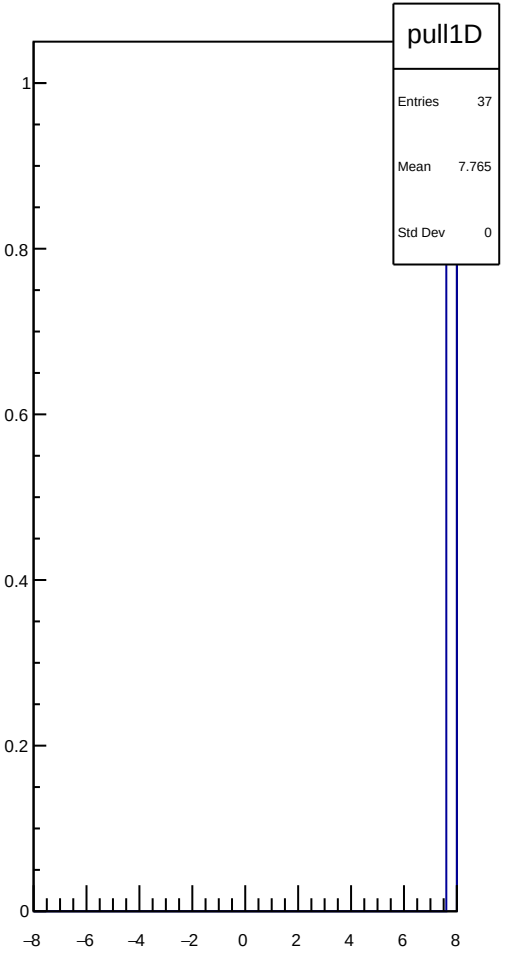

yield_bpm0l01X_rms vs run
χ² / ndf 9.191e+04 / 36
p0 0.006018 ± 7.402e−06
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

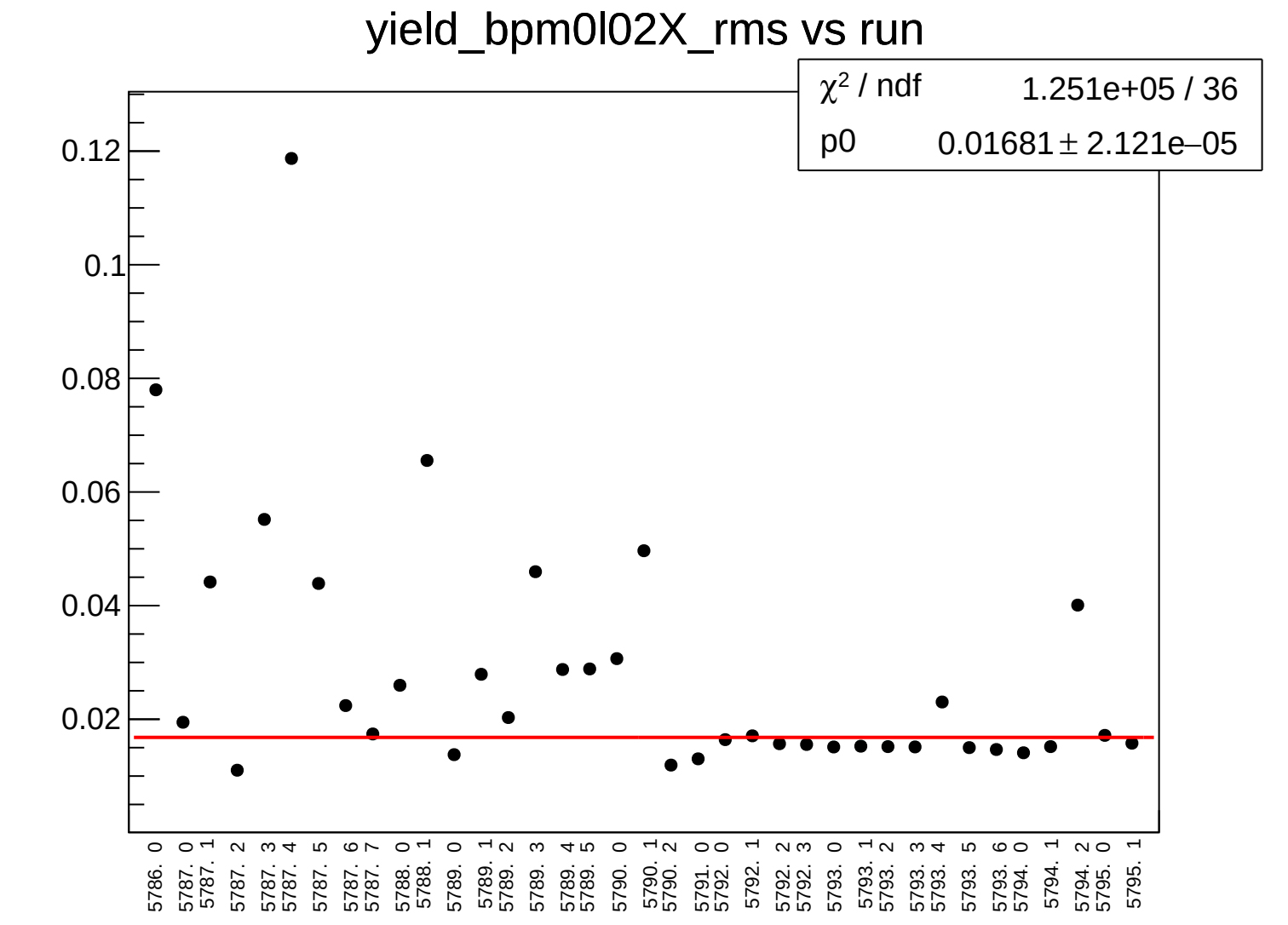

yield_bpm0l01Y_mean vs run
χ² / ndf 5.631e+06 / 36
p0 −5.745 ± 1.229e−05
−5.7
−5.72
−5.74
−5.76
−5.78
−5.8
−5.82
−5.84
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −47.28
Std Dev 0
1000
800
600
400
200
0
−200
−400
−600

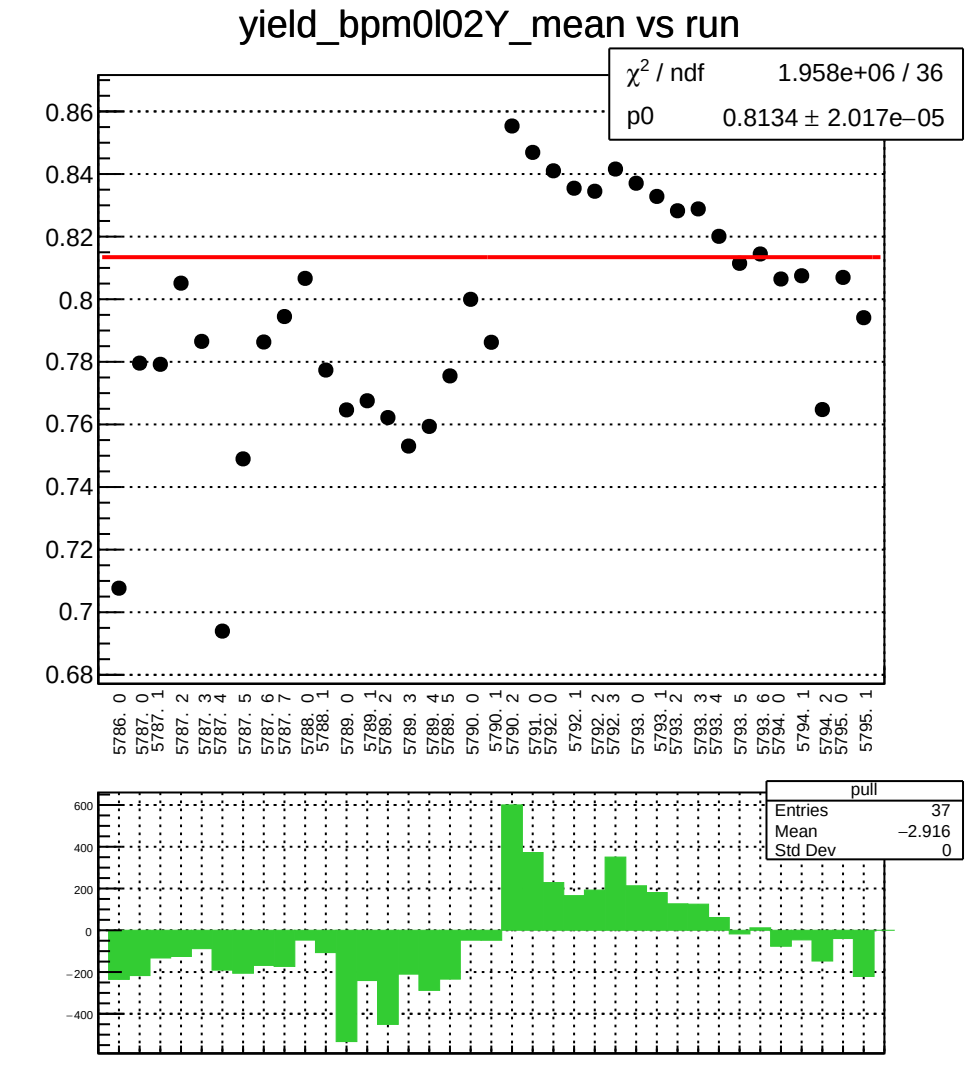

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

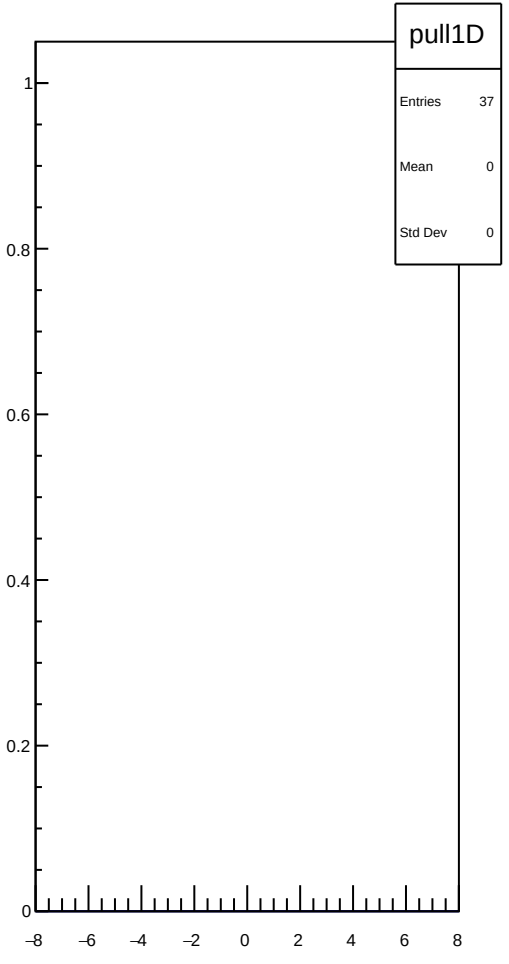

yield_bpm0l01Y_rms vs run
χ² / ndf 1.384e+05 / 36
p0 0.006811 ± 8.688e−06
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

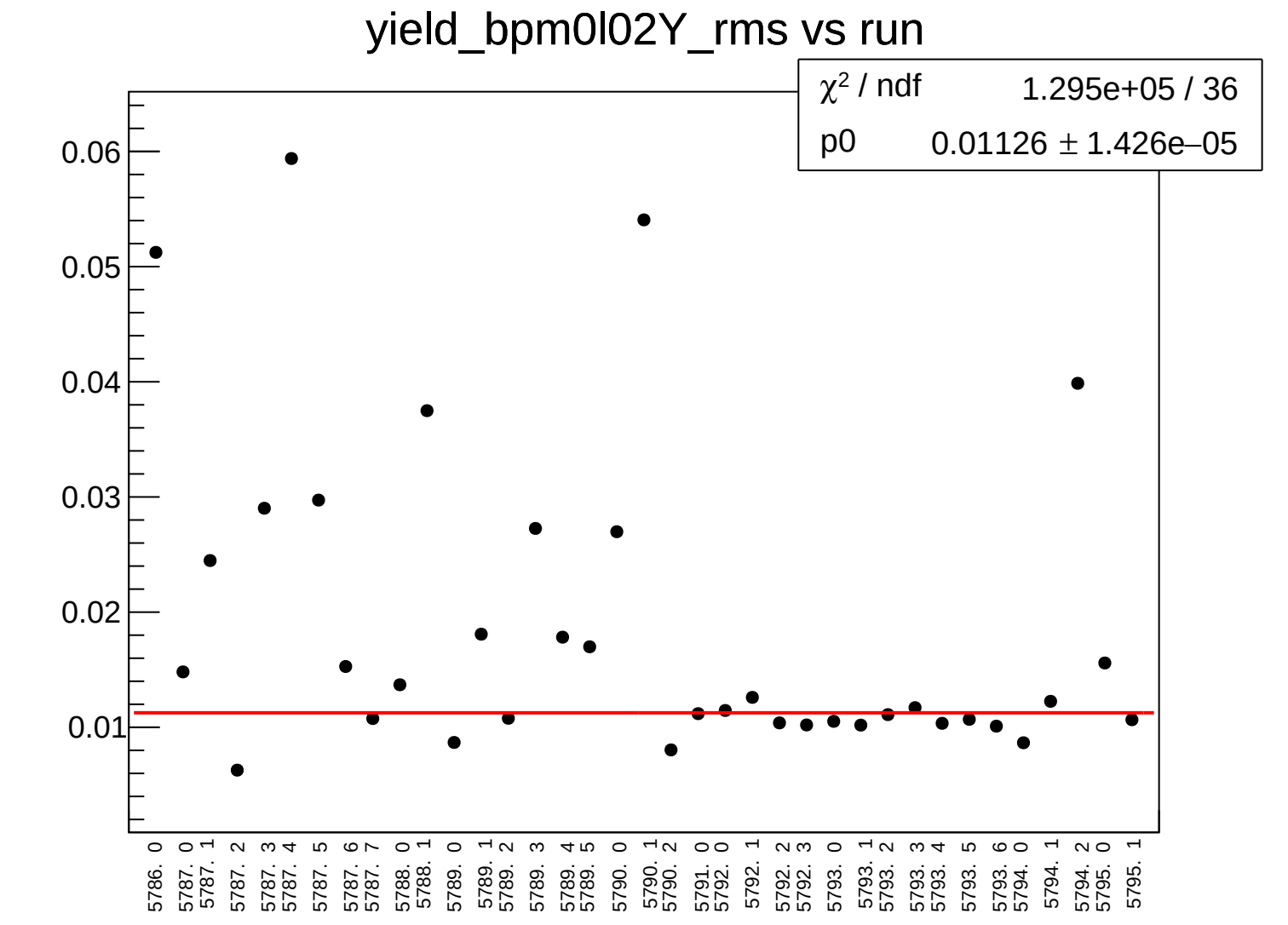

yield_bpm0l02X_mean vs run
χ² / ndf 7.15e+05 / 36
p0 −1.344 ± 2.999e−05
−1.15
−1.2
−1.25
−1.3
−1.35
−1.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2.868
Std Dev 0
200
100
0
−100
−200
−300

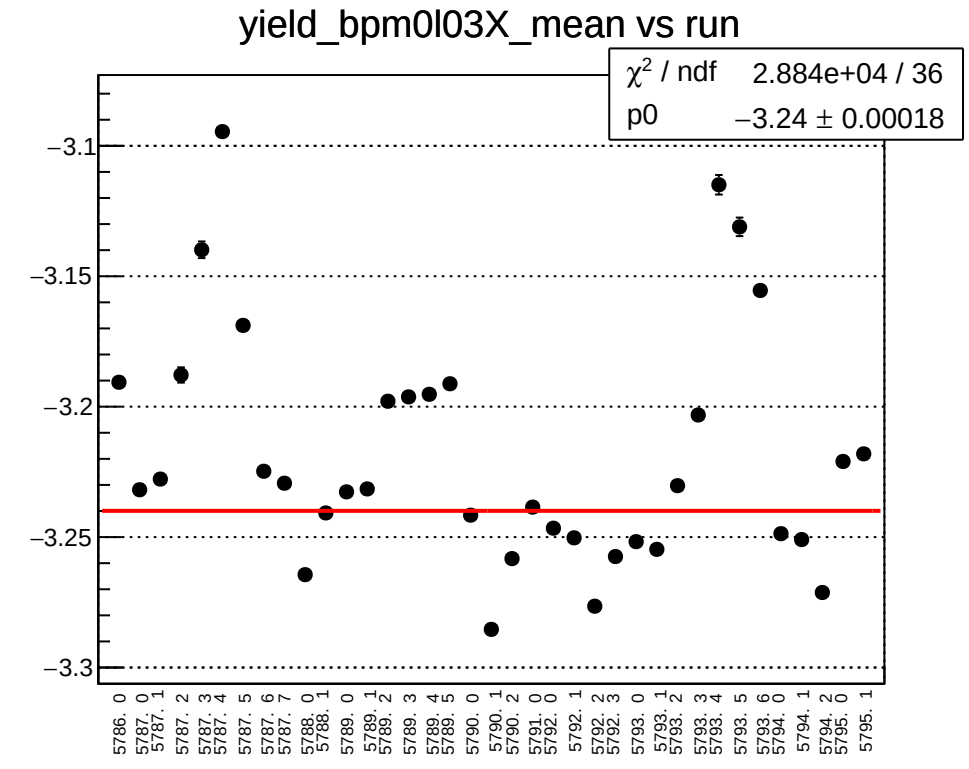

pull1D
Entries 37
Mean 7.765
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

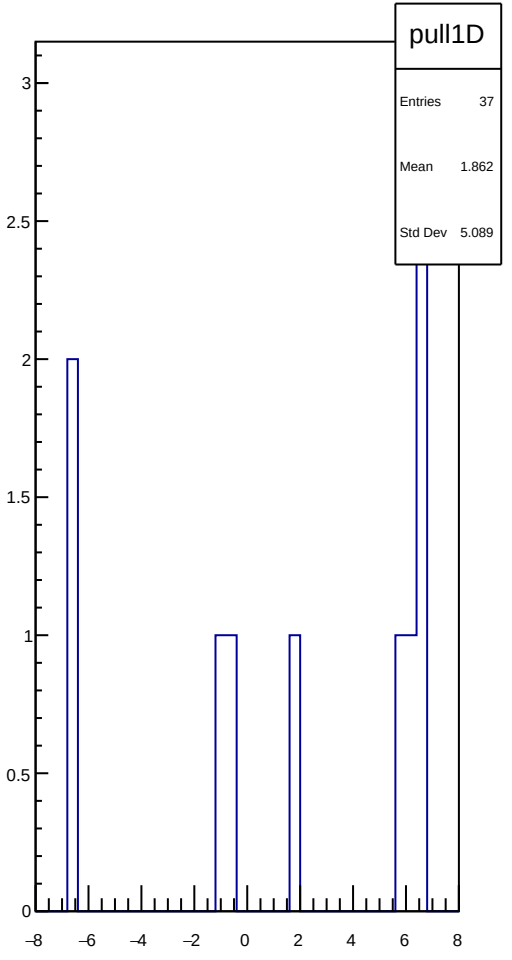

yield_bpm0l02X_rms vs run
χ² / ndf 1.251e+05 / 36
p0 0.01681 ± 2.121e–05
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

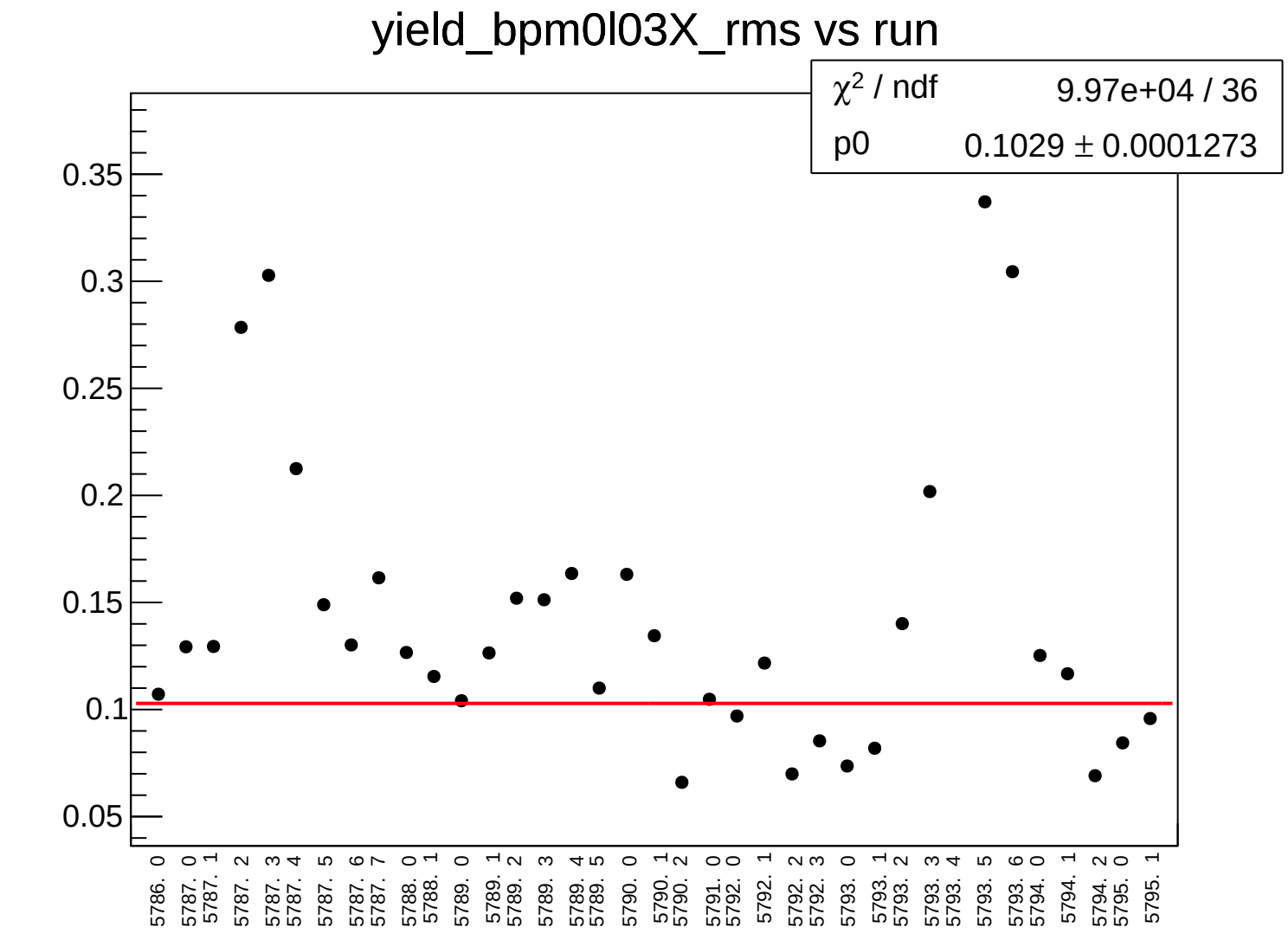

yield_bpm0l02Y_mean vs run
χ² / ndf 1.958e+06 / 36
p0 0.8134 ± 2.017e−05
pull
Entries 37
Mean −2.916
Std Dev 0

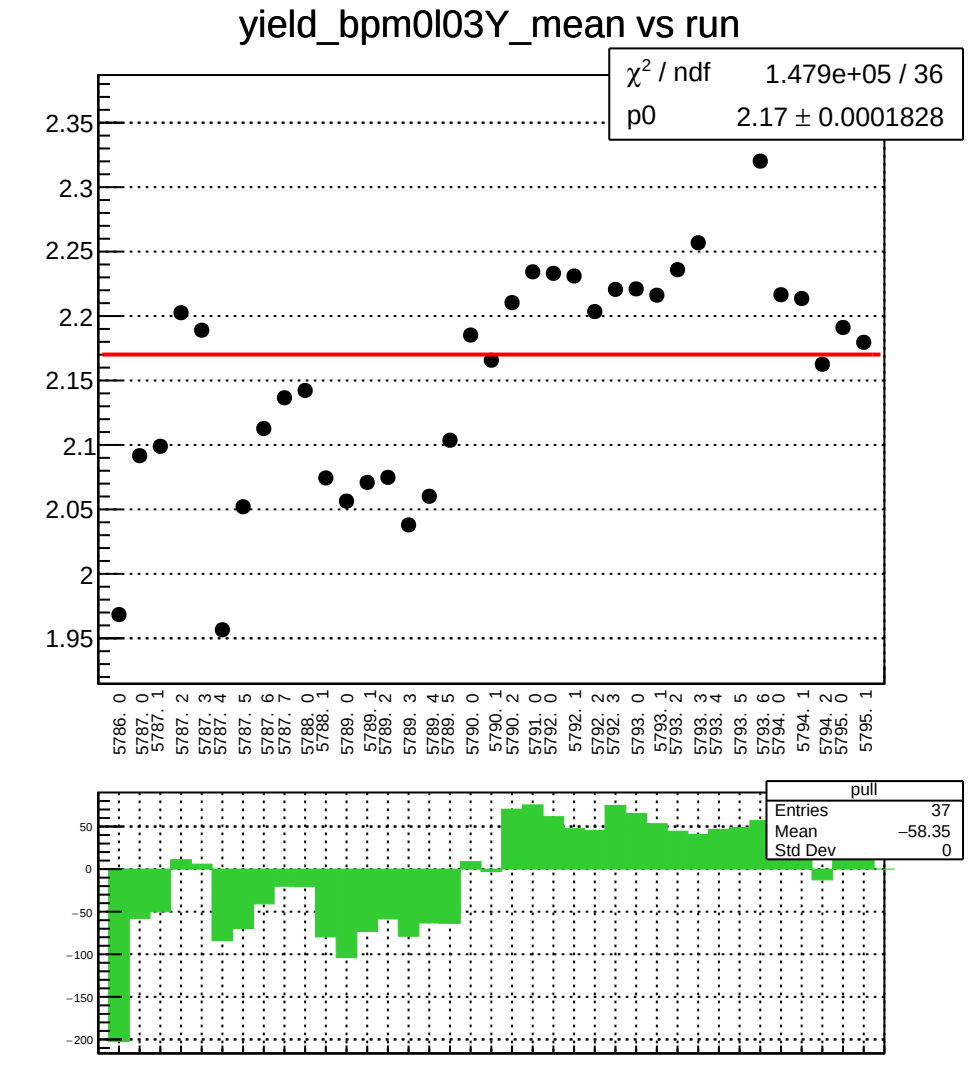

pull1D
Entries 37
Mean 0
Std Dev 0

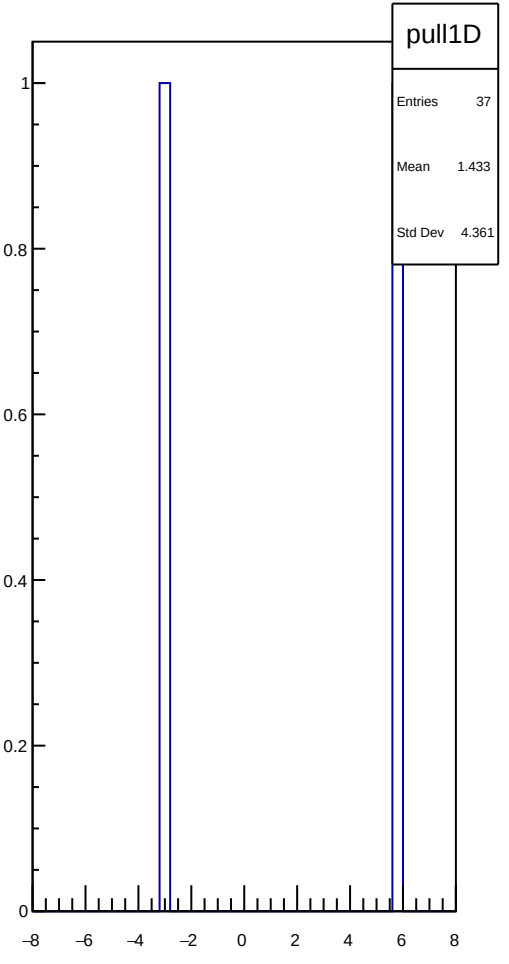

yield_bpm0l02Y_rms vs run
χ² / ndf 1.295e+05 / 36
p0 0.01126 ± 1.426e–05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

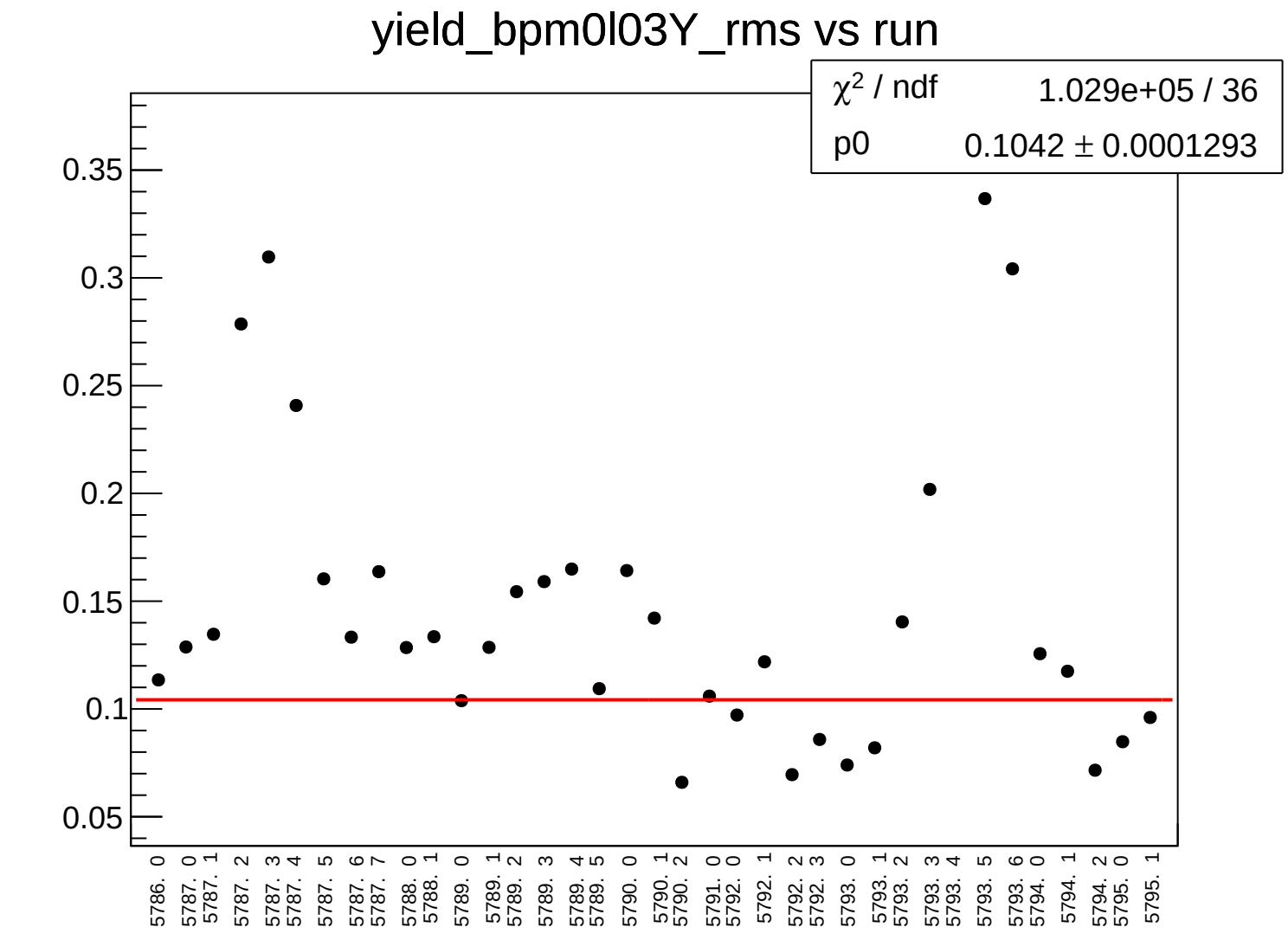

yield_bpm0l03X_mean vs run
χ² / ndf 2.884e+04 / 36
p0 −3.24 ± 0.00018
−3.1
−3.15
−3.2
−3.25
−3.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.298
Std Dev 8.435
60
40
20
0
−20
−40
−60

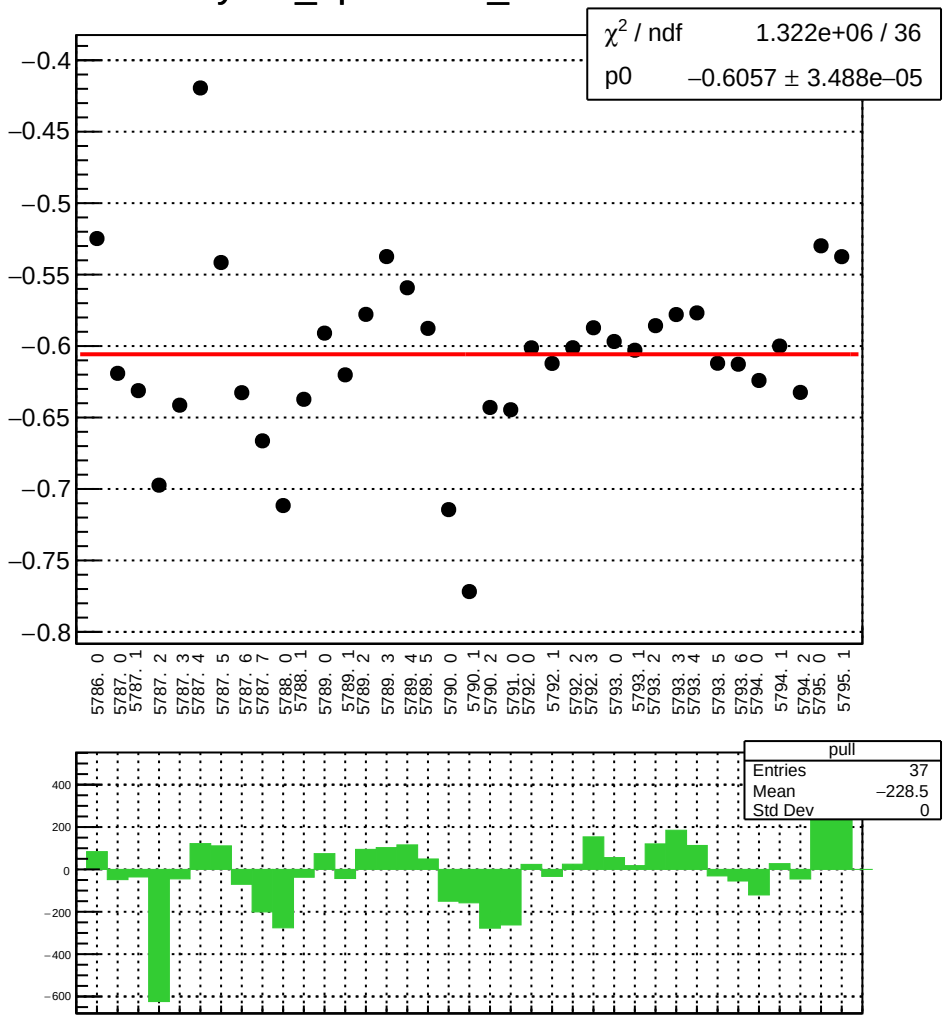

pull1D
Entries 37
Mean 1.862
Std Dev 5.089
3
2.5
2
1.5
1
0.5
0
−8
−6
−4
−2
0
2
4
6
8

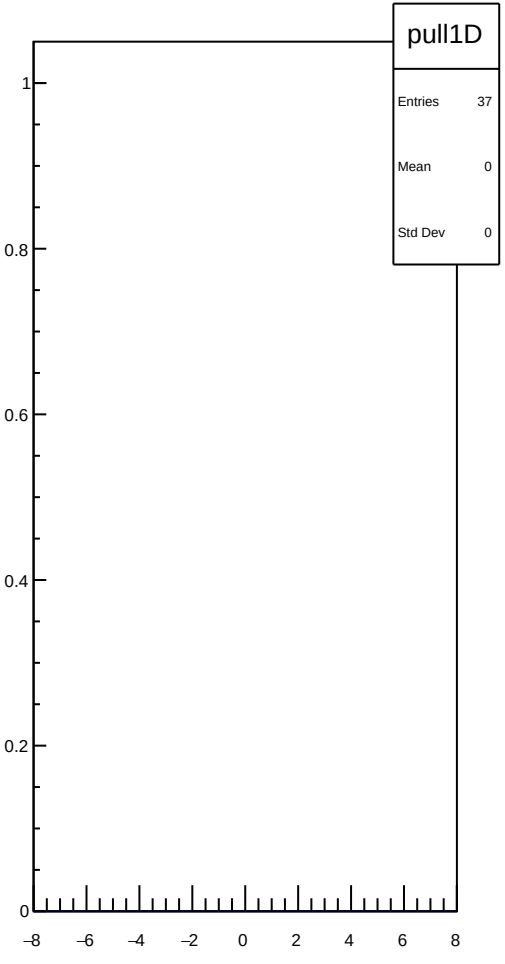

yield_bpm0l03X_rms vs run
χ² / ndf 9.97e+04 / 36
p0 0.1029 ± 0.0001273
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

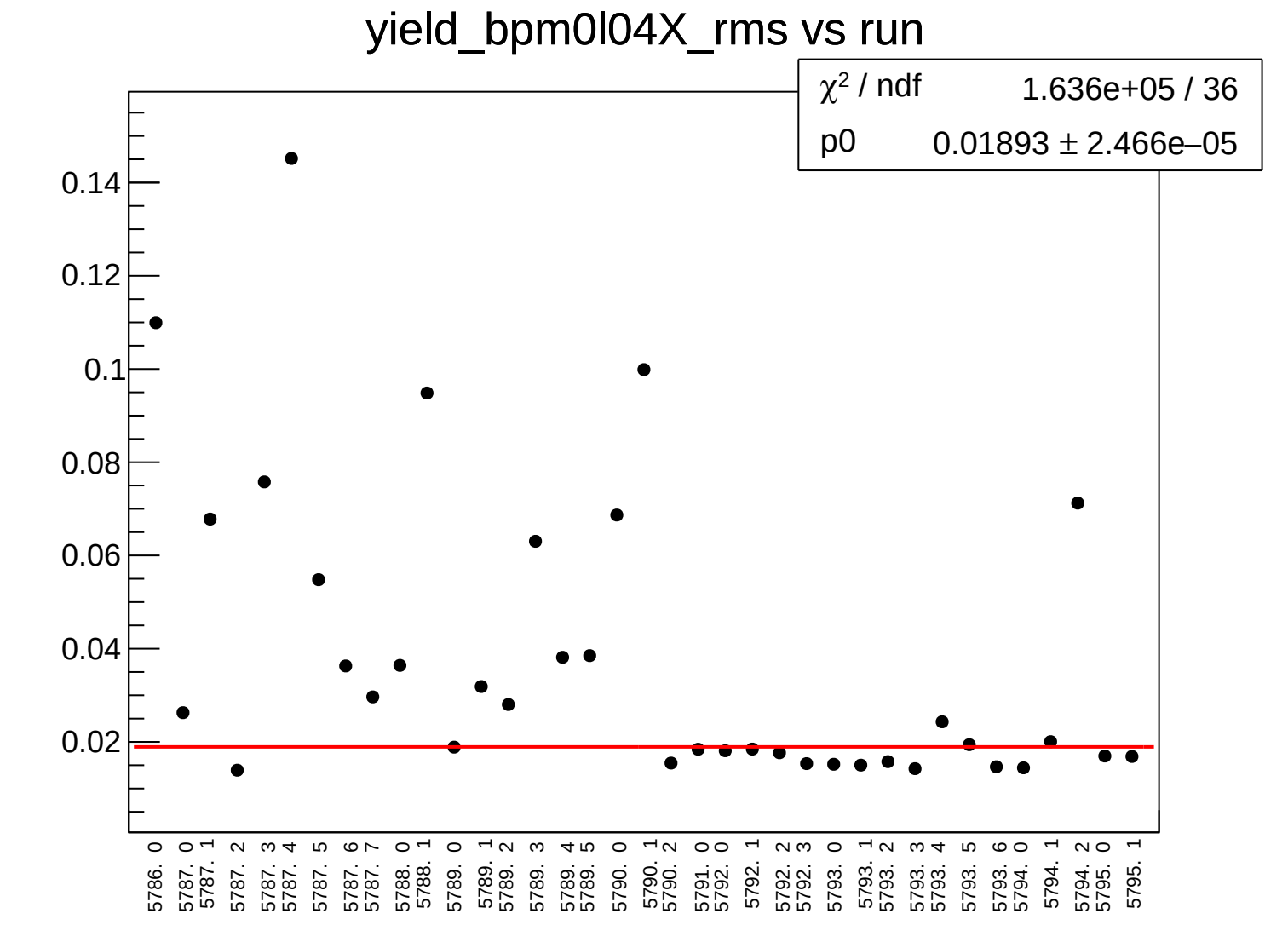

yield_bpm0l03Y_mean vs run
χ² / ndf 1.479e+05 / 36
p0 2.17 ± 0.0001828
2.35
2.3
2.25
2.2
2.15
2.1
2.05
2
1.95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −58.35
Std Dev 0
50
0
−50
−100
−150
−200

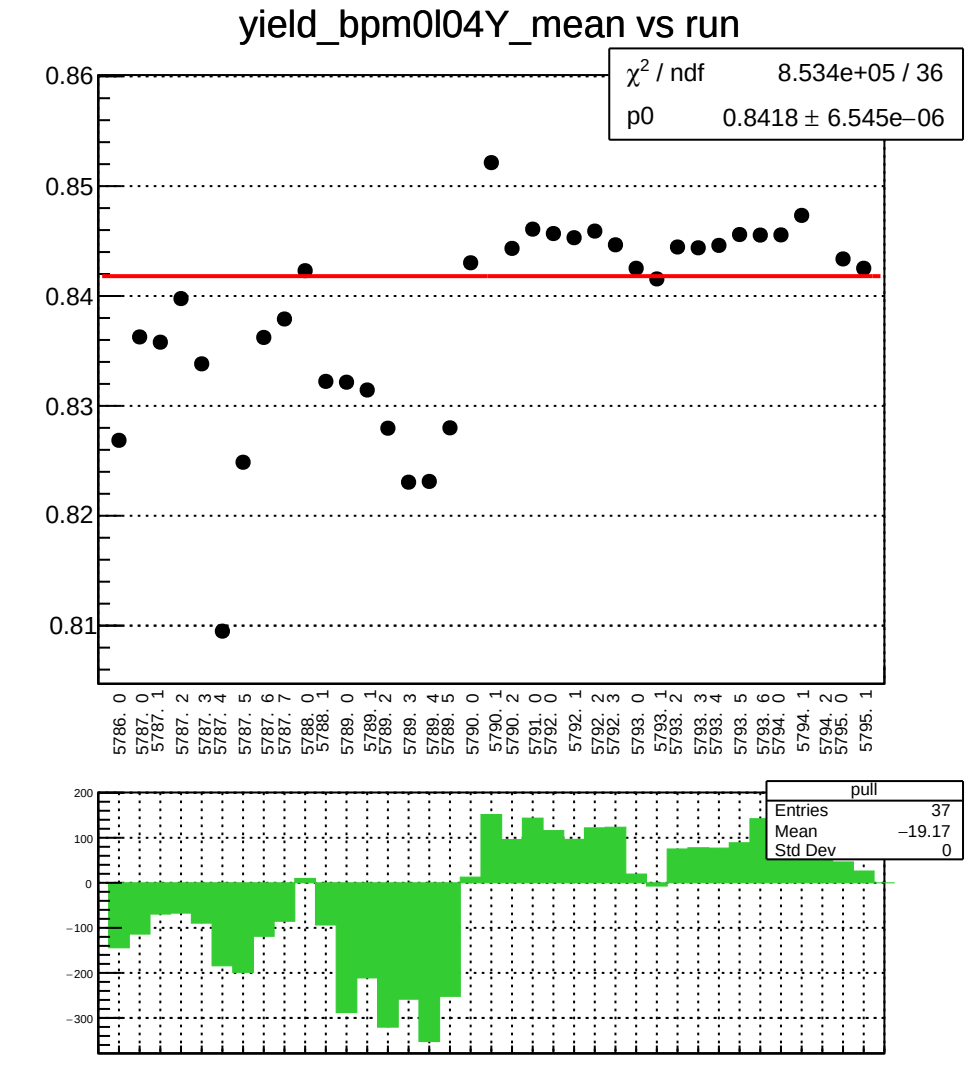

pull1D
Entries 37
Mean 1.433
Std Dev 4.361
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

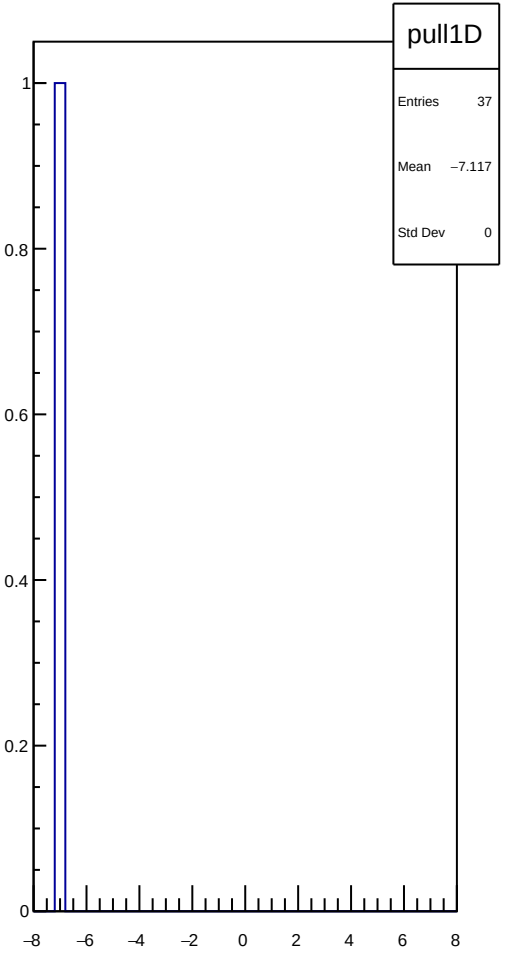

yield_bpm0l03Y_rms vs run
χ² / ndf 1.029e+05 / 36
p0 0.1042 ± 0.0001293
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

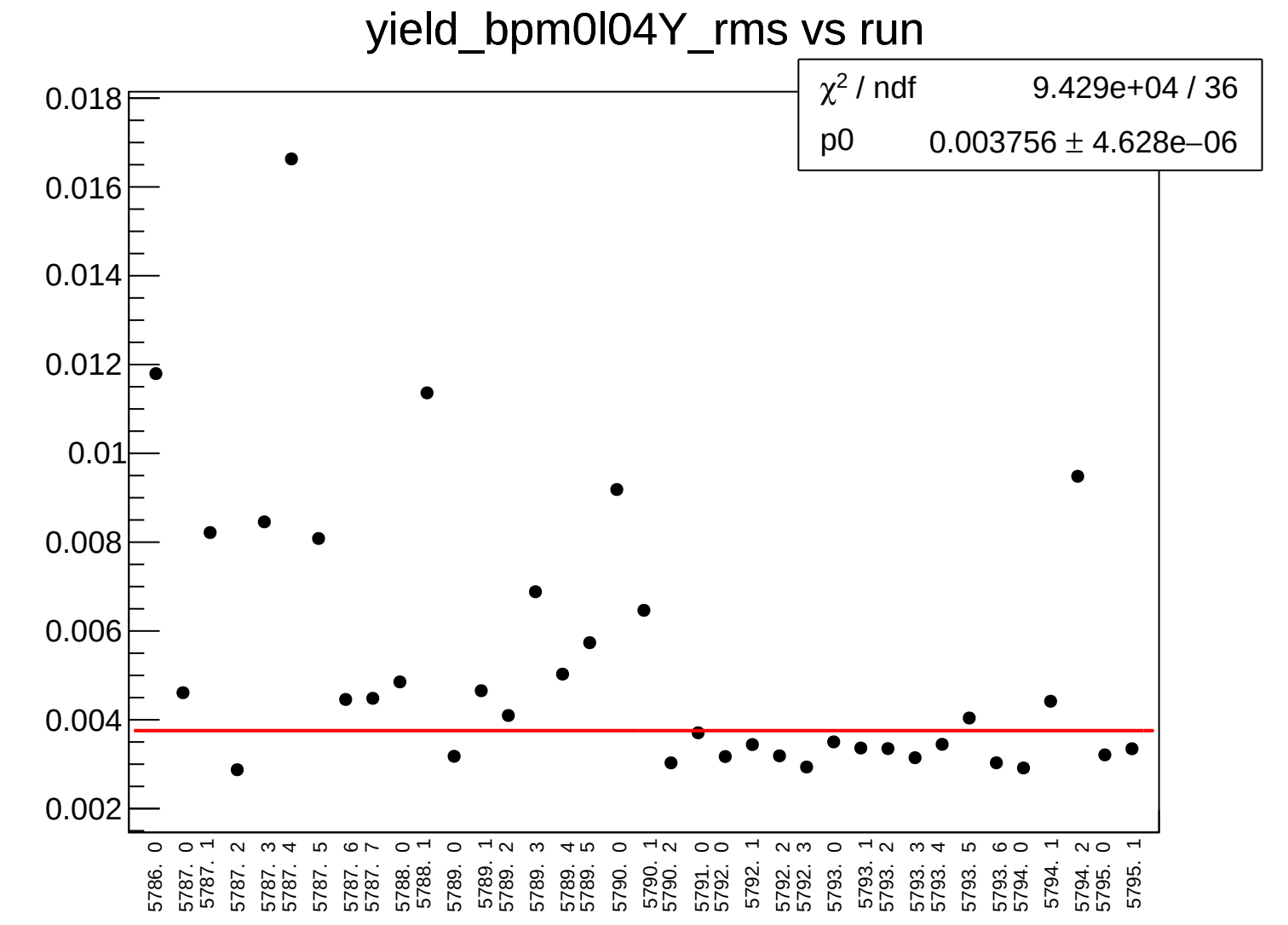

yield_bpm0l04X_mean vs run
χ² / ndf 1.322e+06 / 36
p0 −0.6057 ± 3.488e−05
pull
Entries 37
Mean −228.5
Std Dev 0

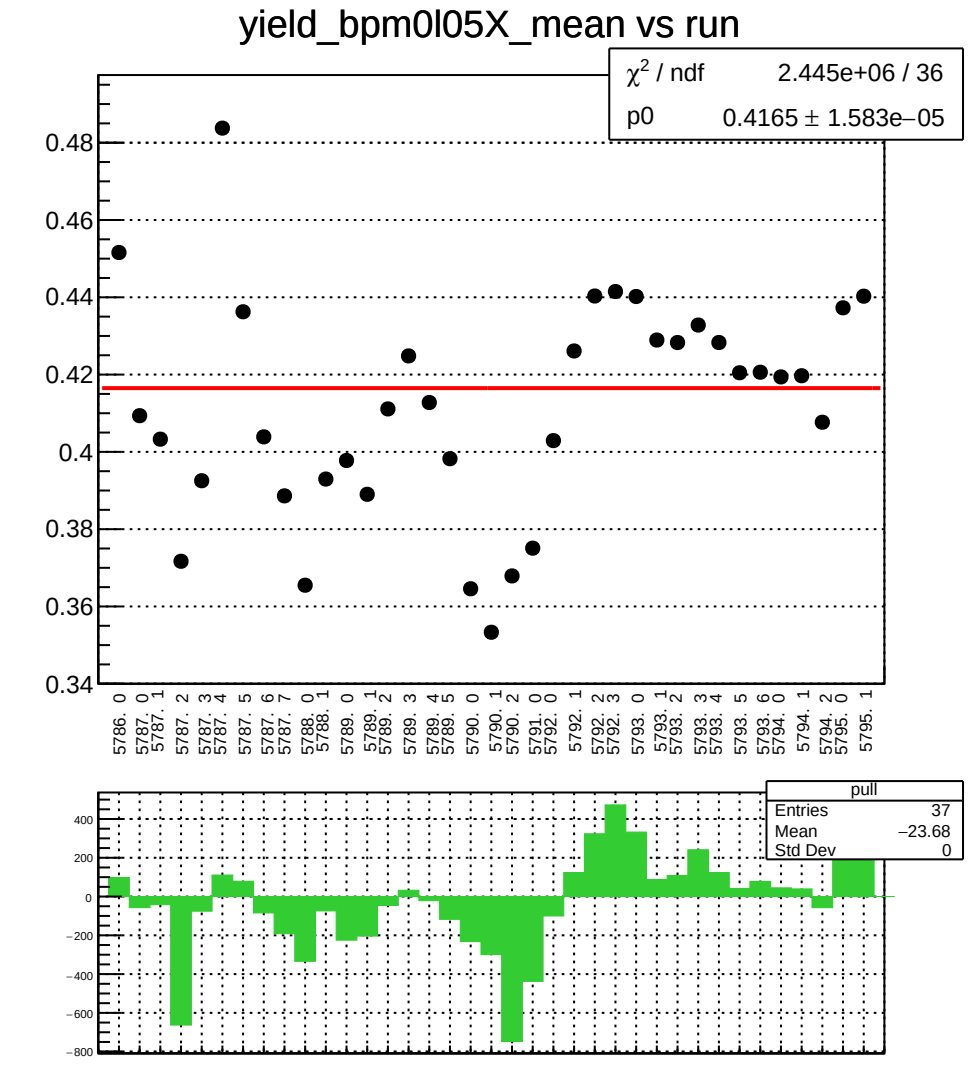

pull1D
Entries 37
Mean 0
Std Dev 0

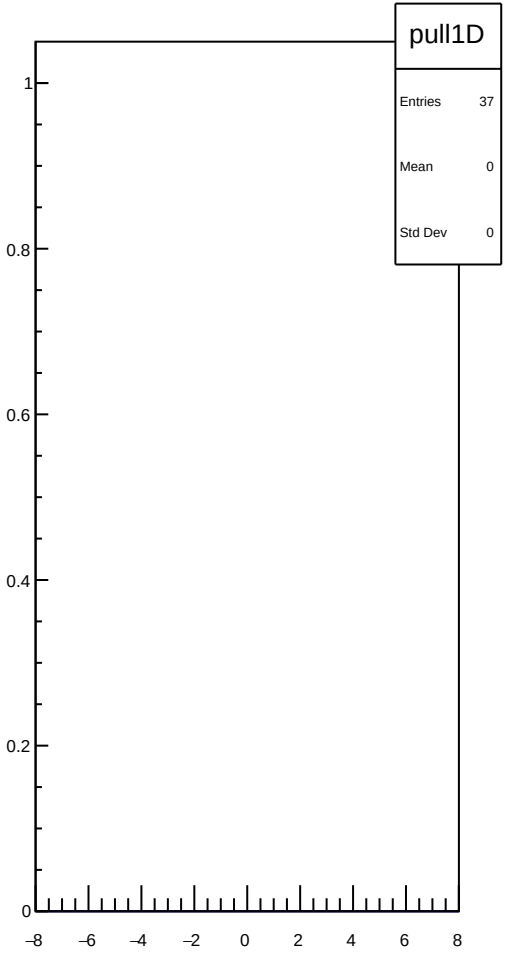

yield_bpm0l04X_rms vs run
χ² / ndf 1.636e+05 / 36
p0 0.01893 ± 2.466e–05
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

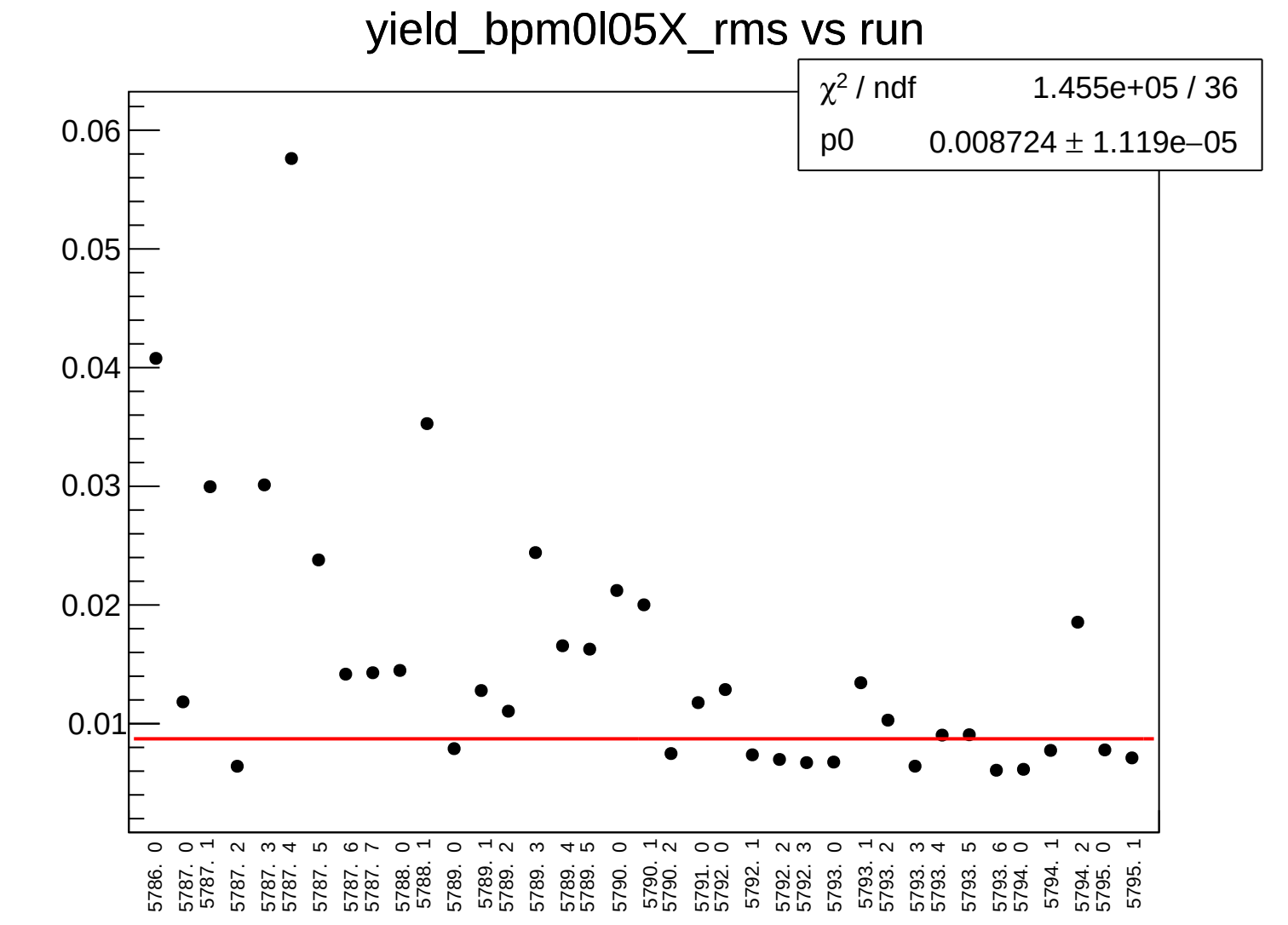

yield_bpm0l04Y_mean vs run
χ² / ndf 8.534e+05 / 36
p0 0.8418 ± 6.545e−06
0.86
0.85
0.84
0.83
0.82
0.81
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −19.17
Std Dev 0
200
100
0
−100
−200
−300

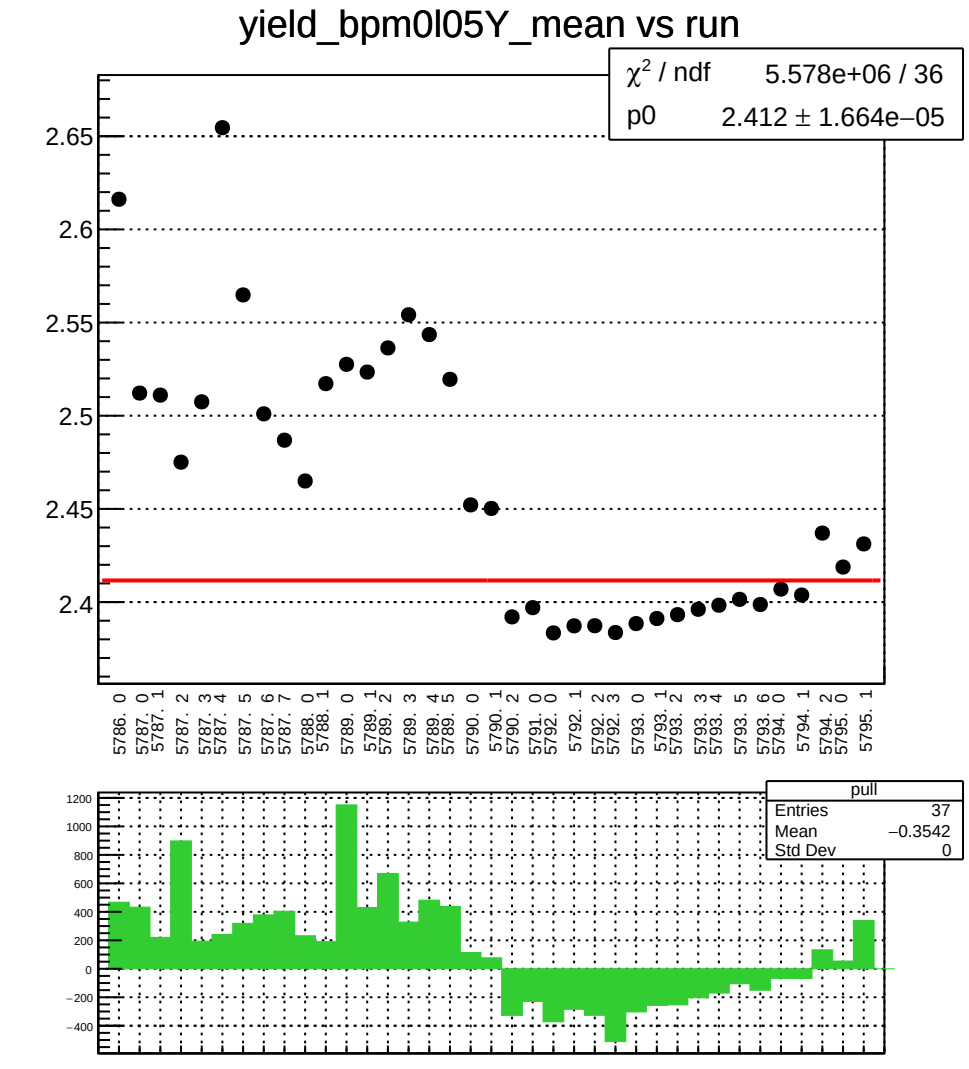

pull1D
Entries 37
Mean −7.117
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

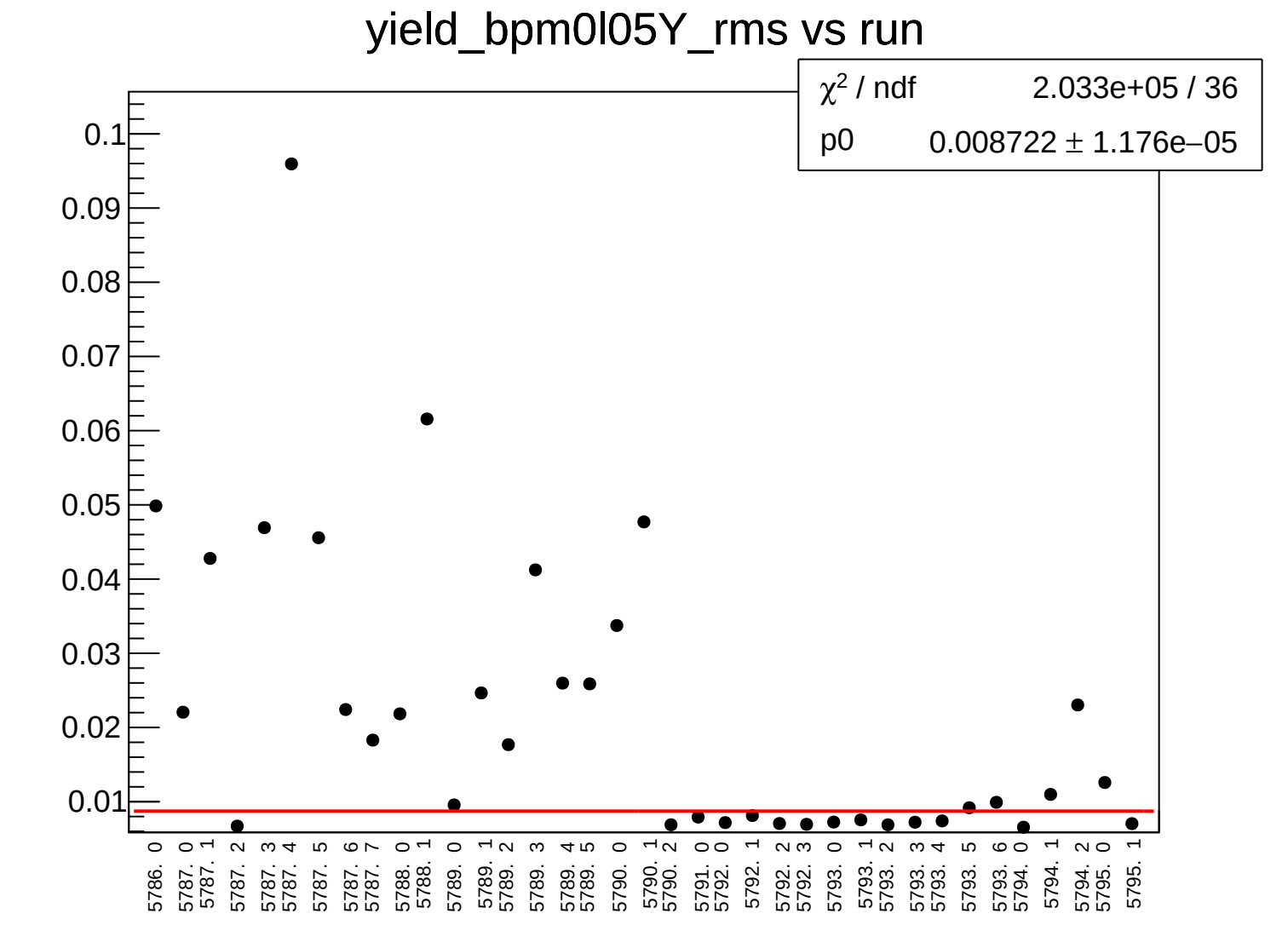

yield_bpm0l04Y_rms vs run
χ² / ndf 9.429e+04 / 36
p0 0.003756 ± 4.628e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

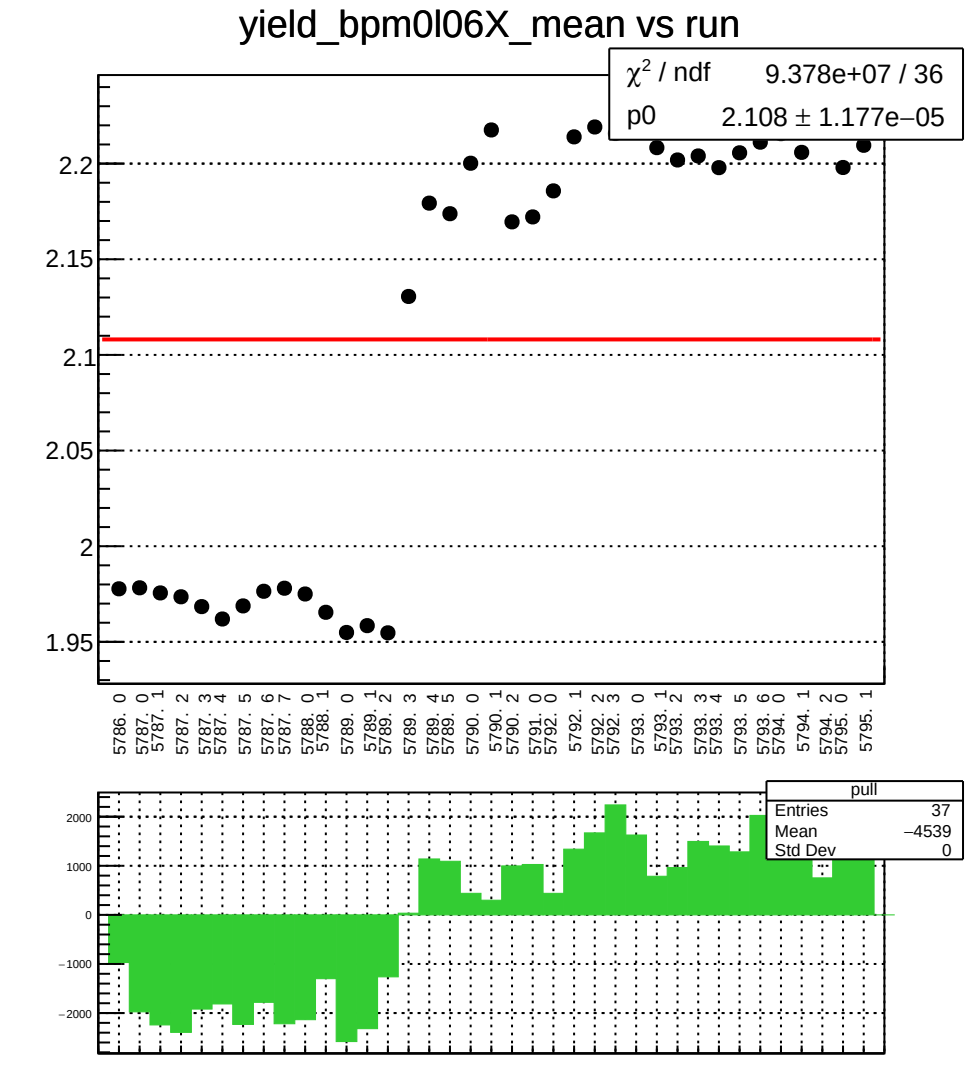

yield_bpm0l05X_mean vs run
χ² / ndf 2.445e+06 / 36
p0 0.4165 ± 1.583e−05
0.48
0.46
0.44
0.42
0.4
0.38
0.36
0.34
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.68
Std Dev 0
400
200
0
−200
−400
−600
−800

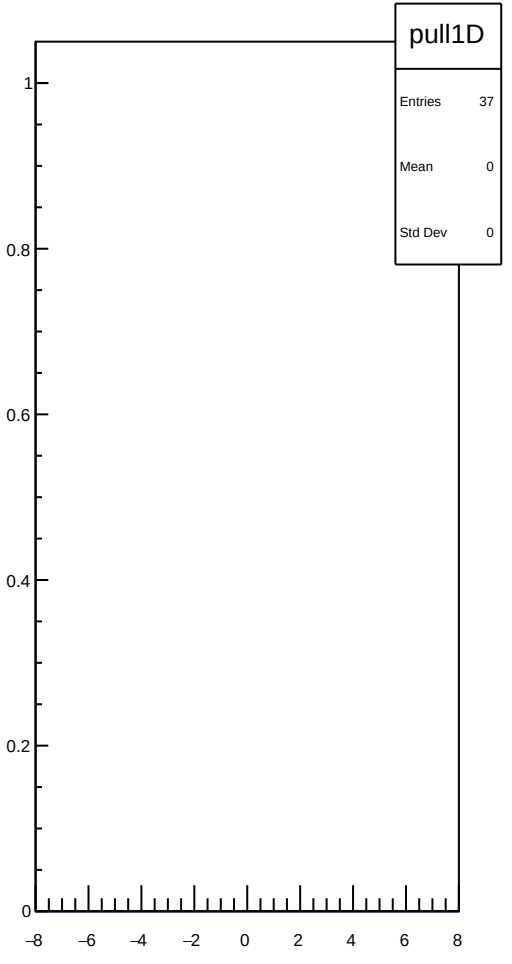

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

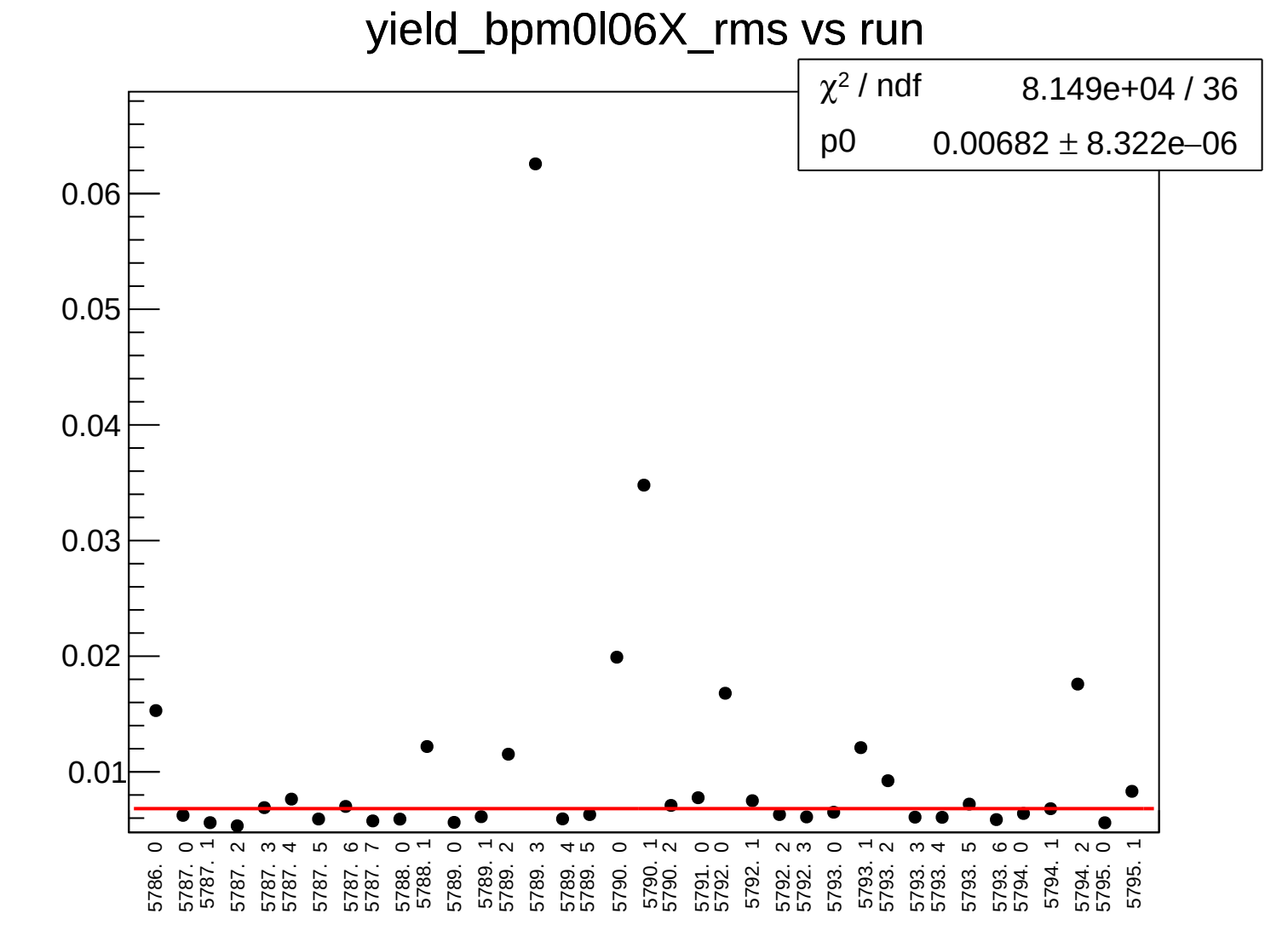

yield_bpm0l05X_rms vs run
χ² / ndf 1.455e+05 / 36
p0 0.008724 ± 1.119e−05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

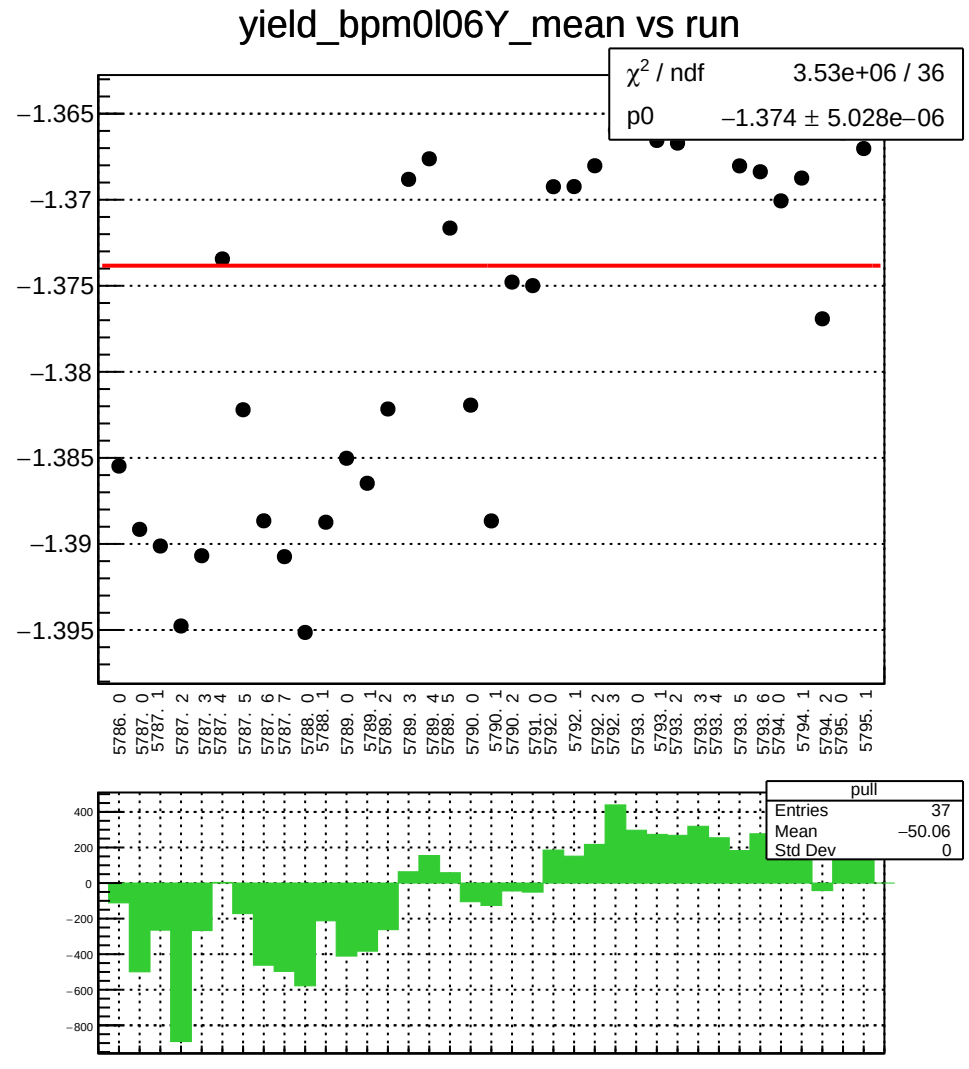

yield_bpm0l05Y_mean vs run
χ² / ndf 5.578e+06 / 36
p0 2.412 ± 1.664e−05
2.65
2.6
2.55
2.5
2.45
2.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.3542
Std Dev 0
1200
1000
800
600
400
200
0
−200
−400
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

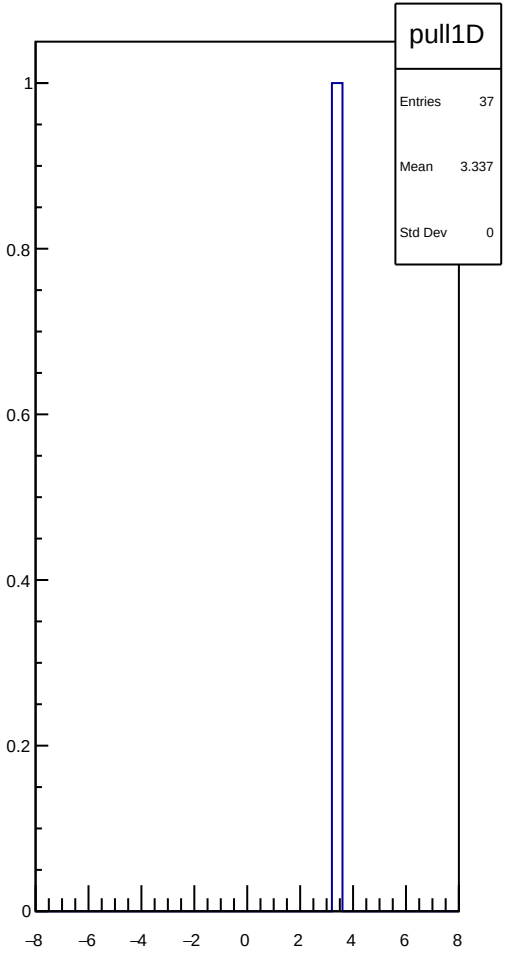

yield_bpm0l05Y_rms vs run
χ² / ndf 2.033e+05 / 36
p0 0.008722 ± 1.176e−05
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

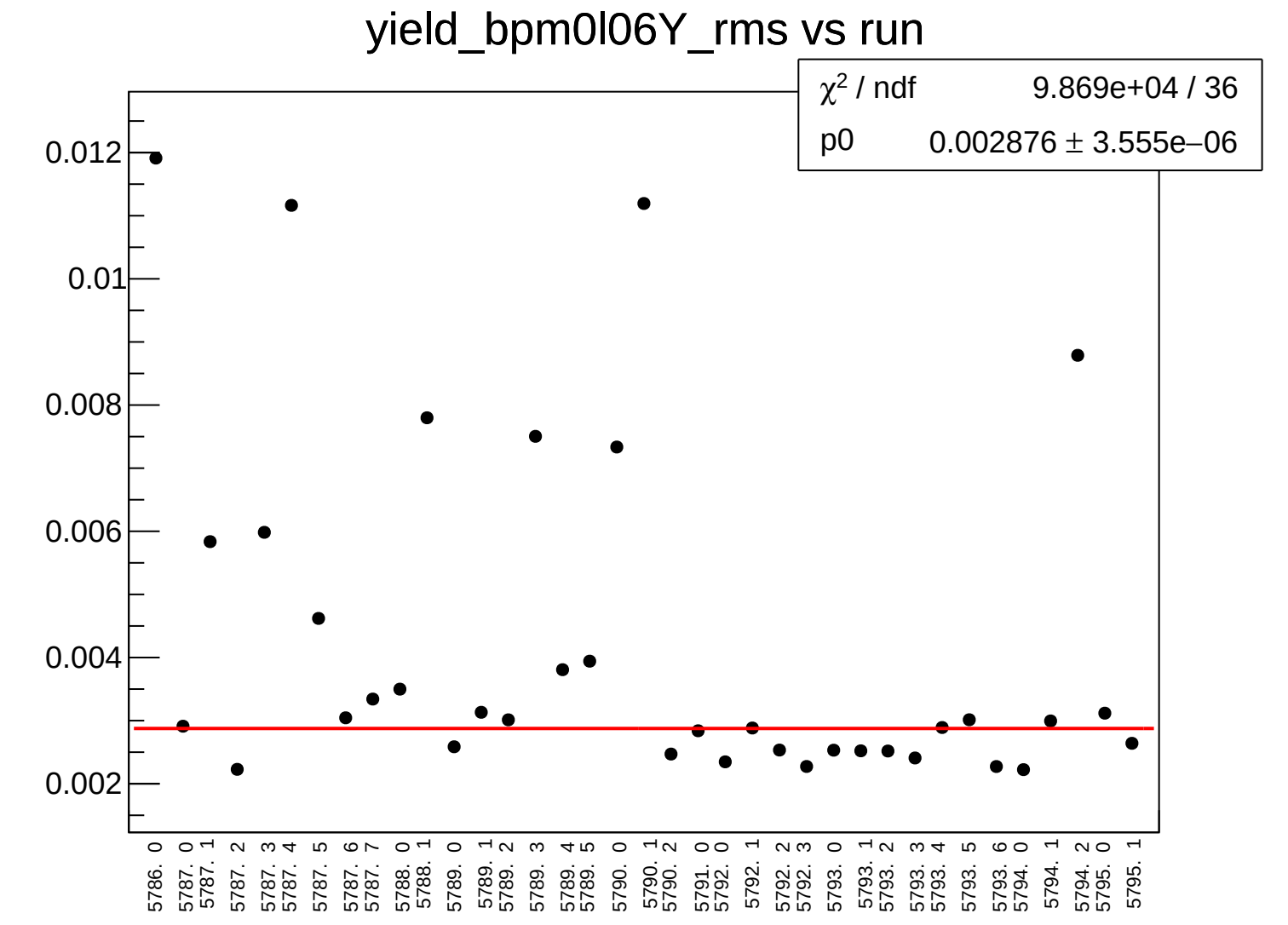

yield_bpm0l06X_mean vs run
χ² / ndf 9.378e+07 / 36
p0 2.108 ± 1.177e−05
2.2
2.15
2.1
2.05
2
1.95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4539
Std Dev 0
2000
1000
0
−1000
−2000

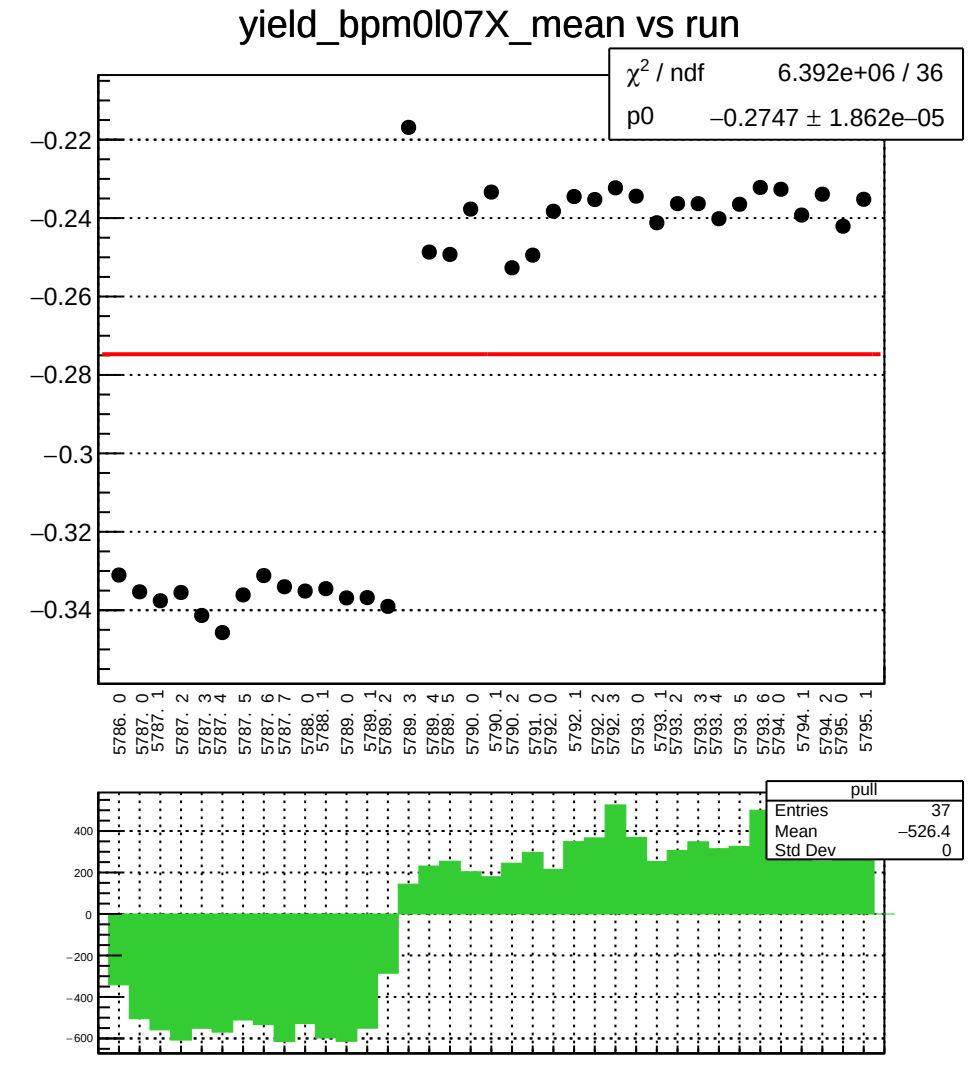

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

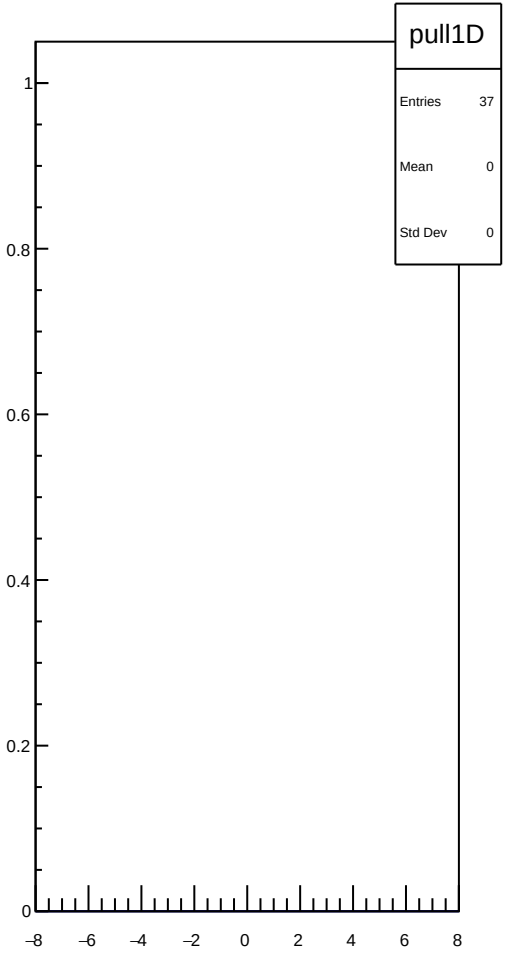

yield_bpm0l06X_rms vs run
χ² / ndf 8.149e+04 / 36
p0 0.00682 ± 8.322e–06
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

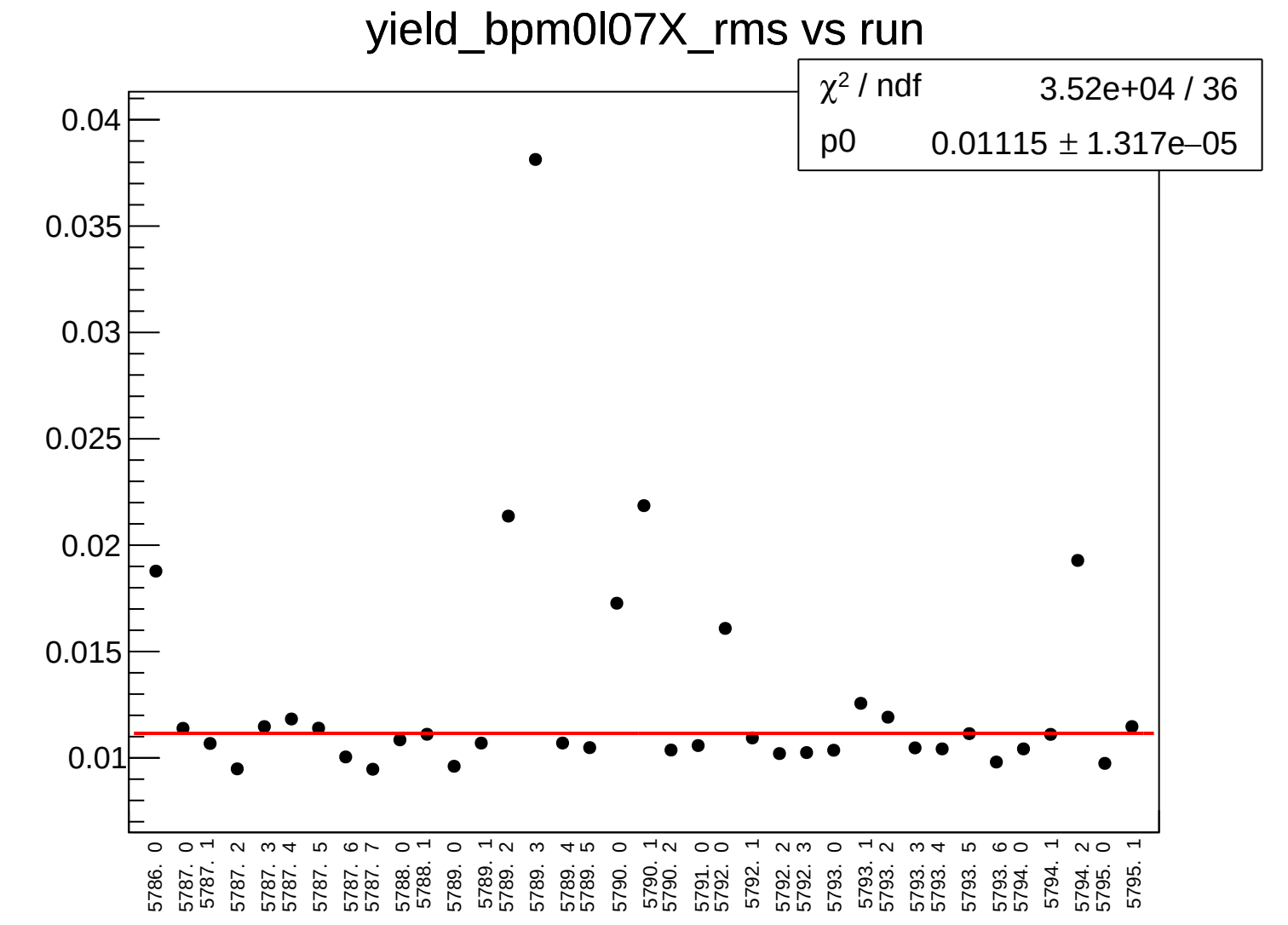

yield_bpm0l06Y_mean vs run
χ² / ndf 3.53e+06 / 36
p0 −1.374 ± 5.028e−06
−1.365
−1.37
−1.375
−1.38
−1.385
−1.39
−1.395
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −50.06
Std Dev 0
400
200
0
−200
−400
−600
−800

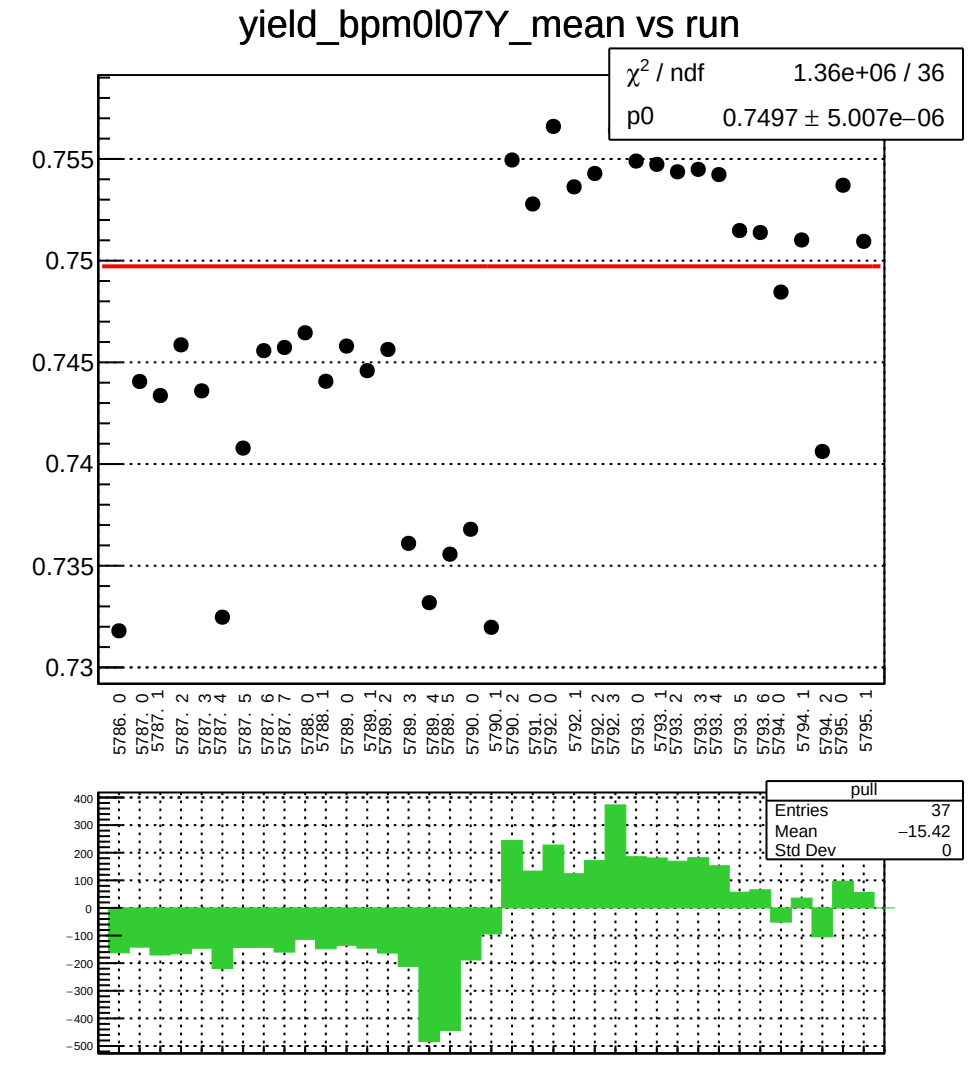

pull1D
Entries 37
Mean 3.337
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

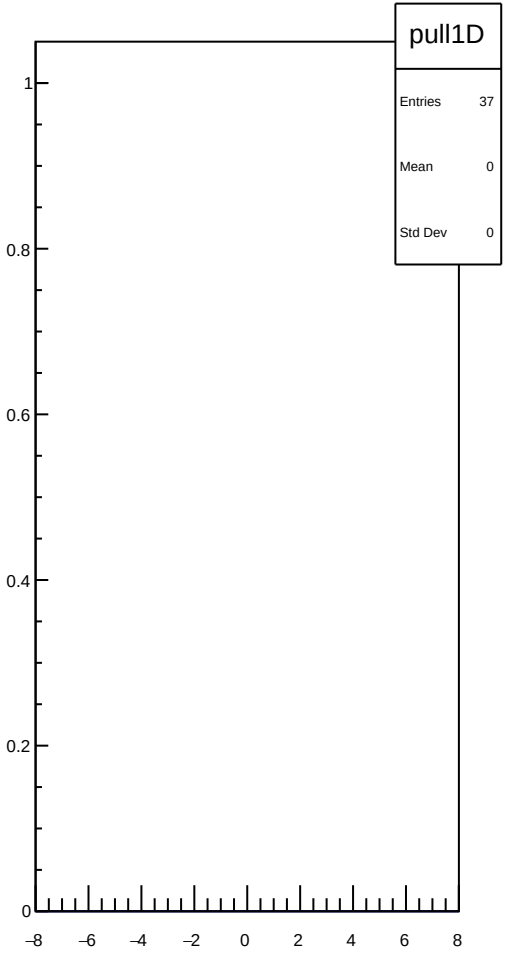

yield_bpm0l06Y_rms vs run
χ² / ndf 9.869e+04 / 36
p0 0.002876 ± 3.555e−06
0.012
0.01
0.008
0.006
0.004
0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

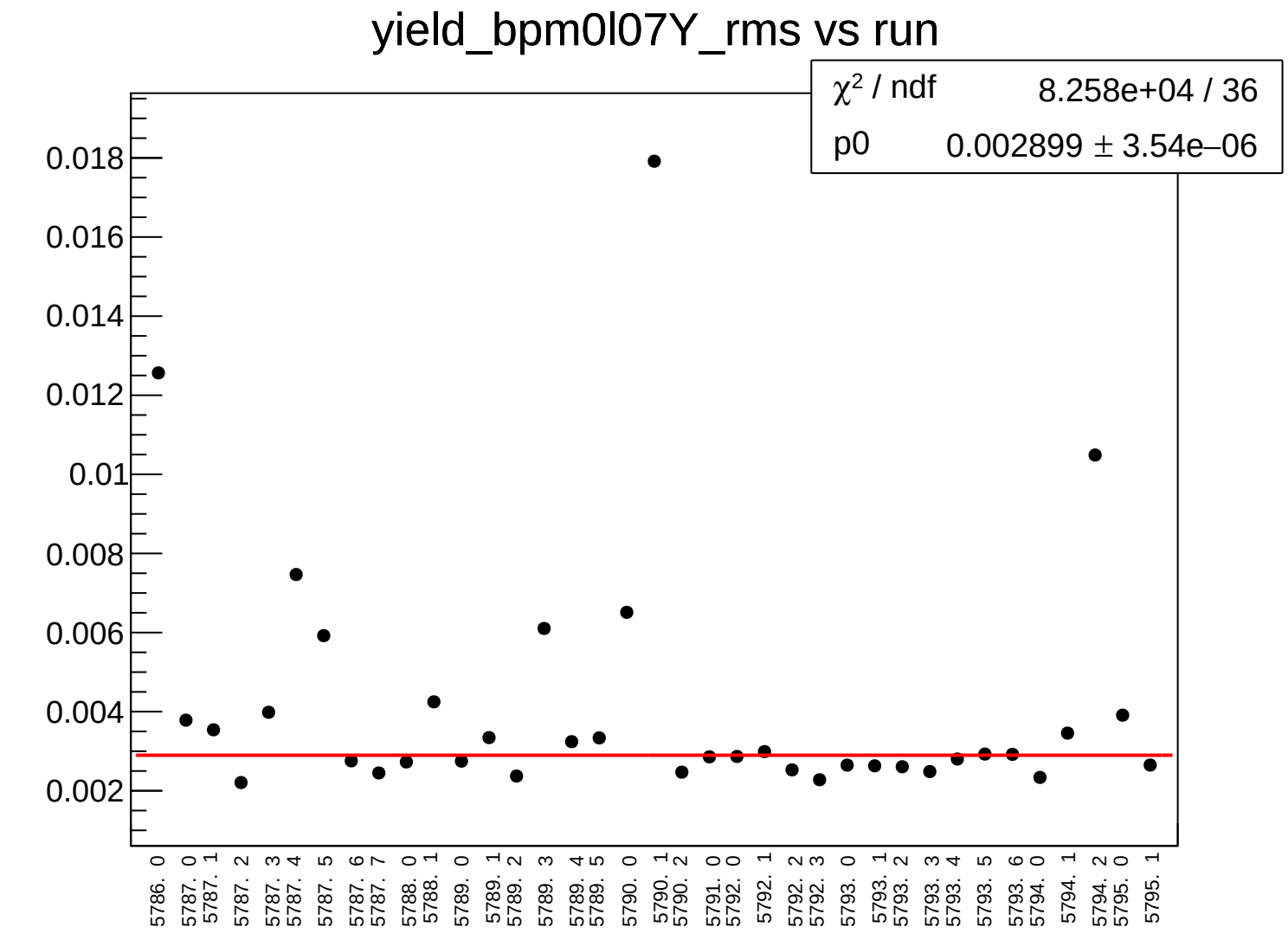

yield_bpm0l07X_mean vs run
χ² / ndf 6.392e+06 / 36
p0 −0.2747 ± 1.862e−05
−0.22
−0.24
−0.26
−0.28
−0.3
−0.32
−0.34
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −526.4
Std Dev 0
400
200
0
−200
−400
−600

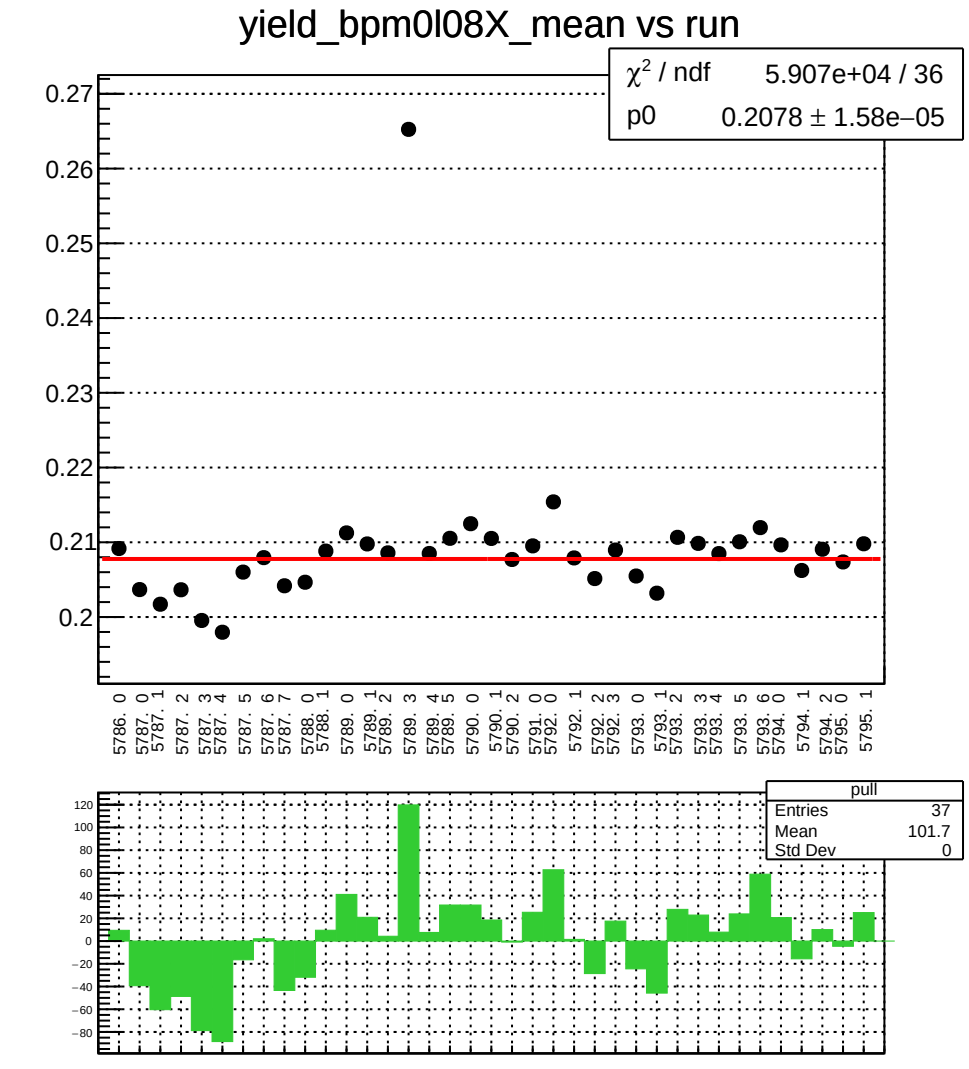

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

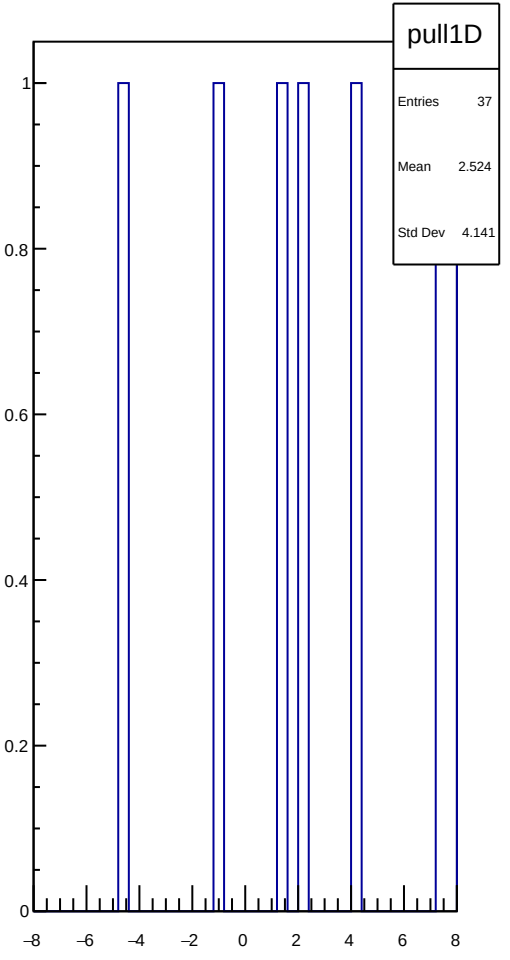

yield_bpm0l07X_rms vs run
χ² / ndf 3.52e+04 / 36
p0 0.01115 ± 1.317e–05
0.04
0.035
0.03
0.025
0.02
0.015
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

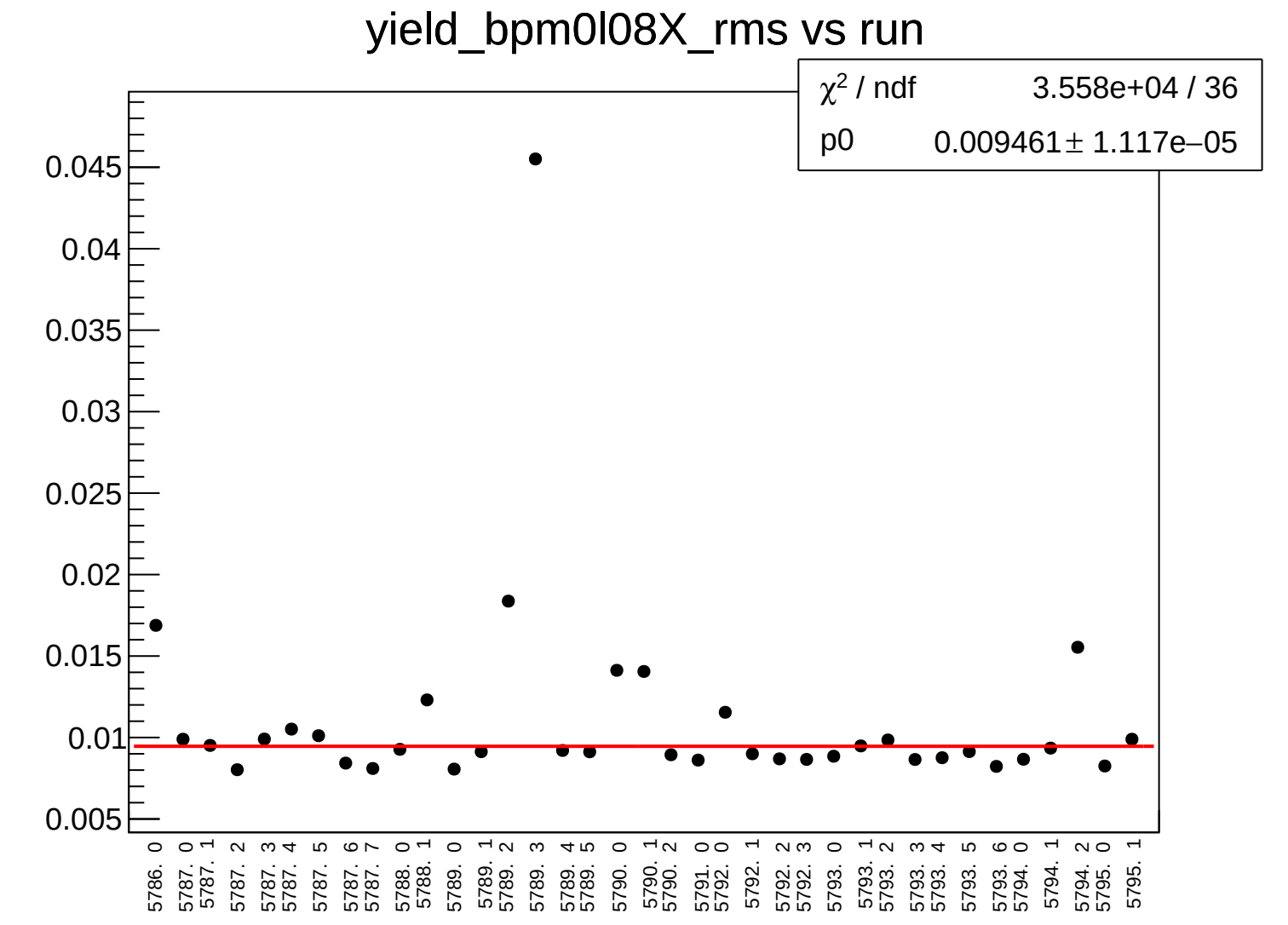

yield_bpm0l07Y_mean vs run
χ² / ndf 1.36e+06 / 36
p0 0.7497 ± 5.007e−06
0.755
0.75
0.745
0.74
0.735
0.73
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.42
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

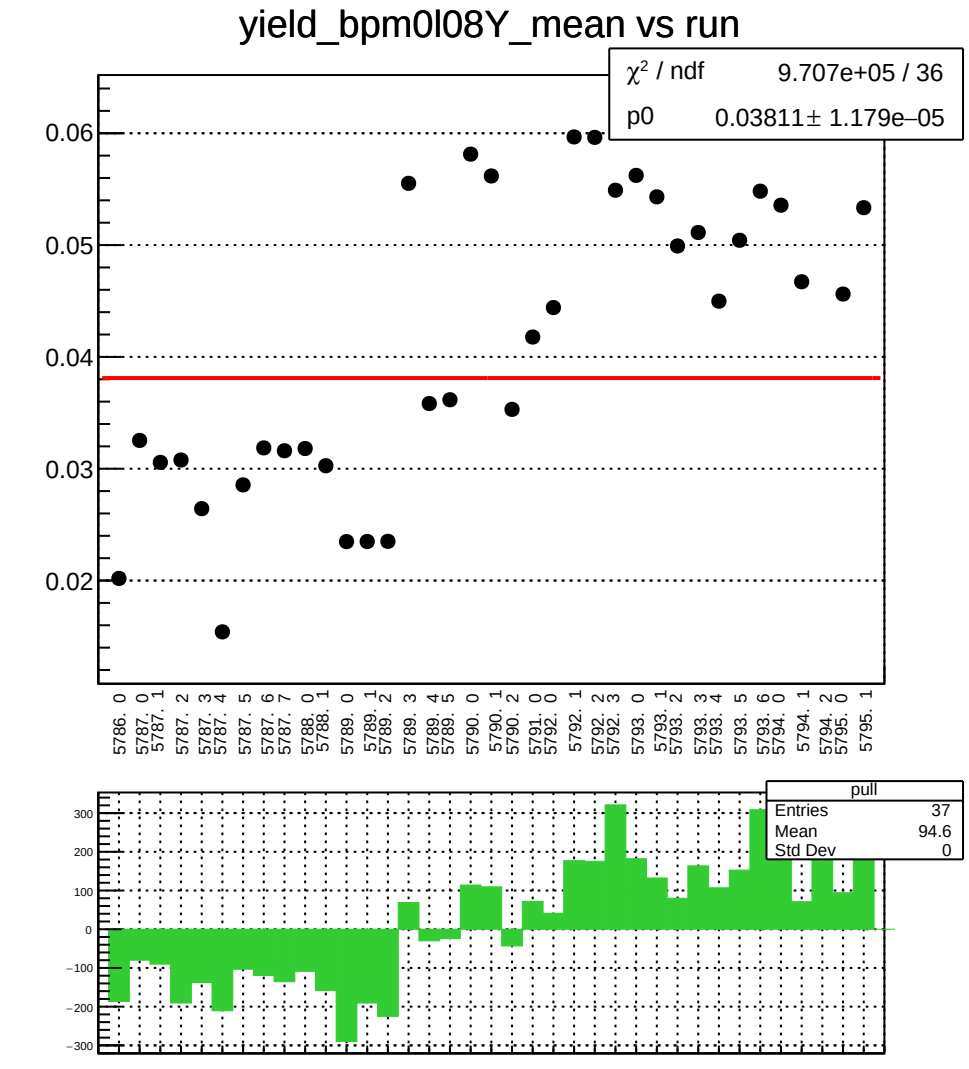

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

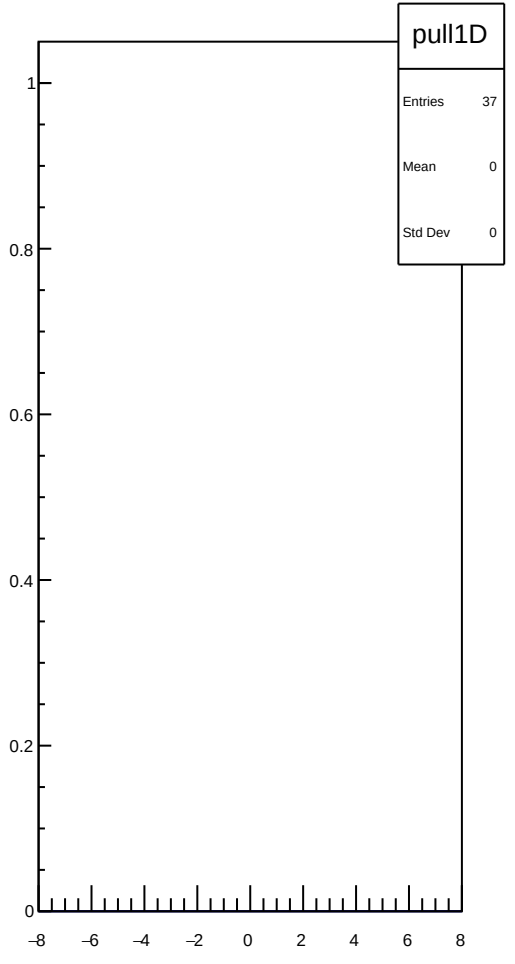

yield_bpm0l07Y_rms vs run
χ² / ndf 8.258e+04 / 36
p0 0.002899 ± 3.54e−06
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

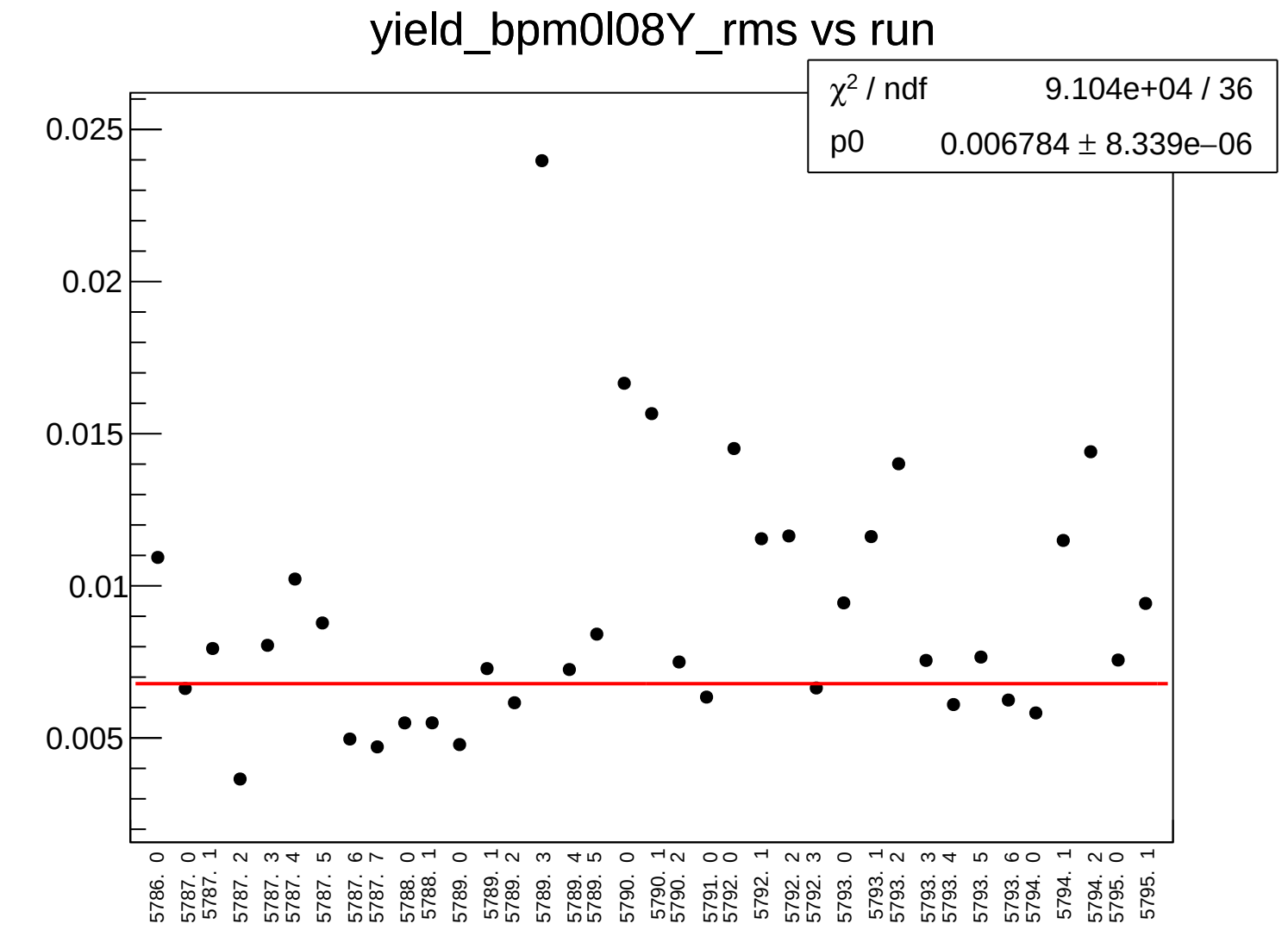

yield_bpm0l08X_mean vs run
χ² / ndf 5.907e+04 / 36
p0 0.2078 ± 1.58e−05
0.27
0.26
0.25
0.24
0.23
0.22
0.21
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 101.7
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

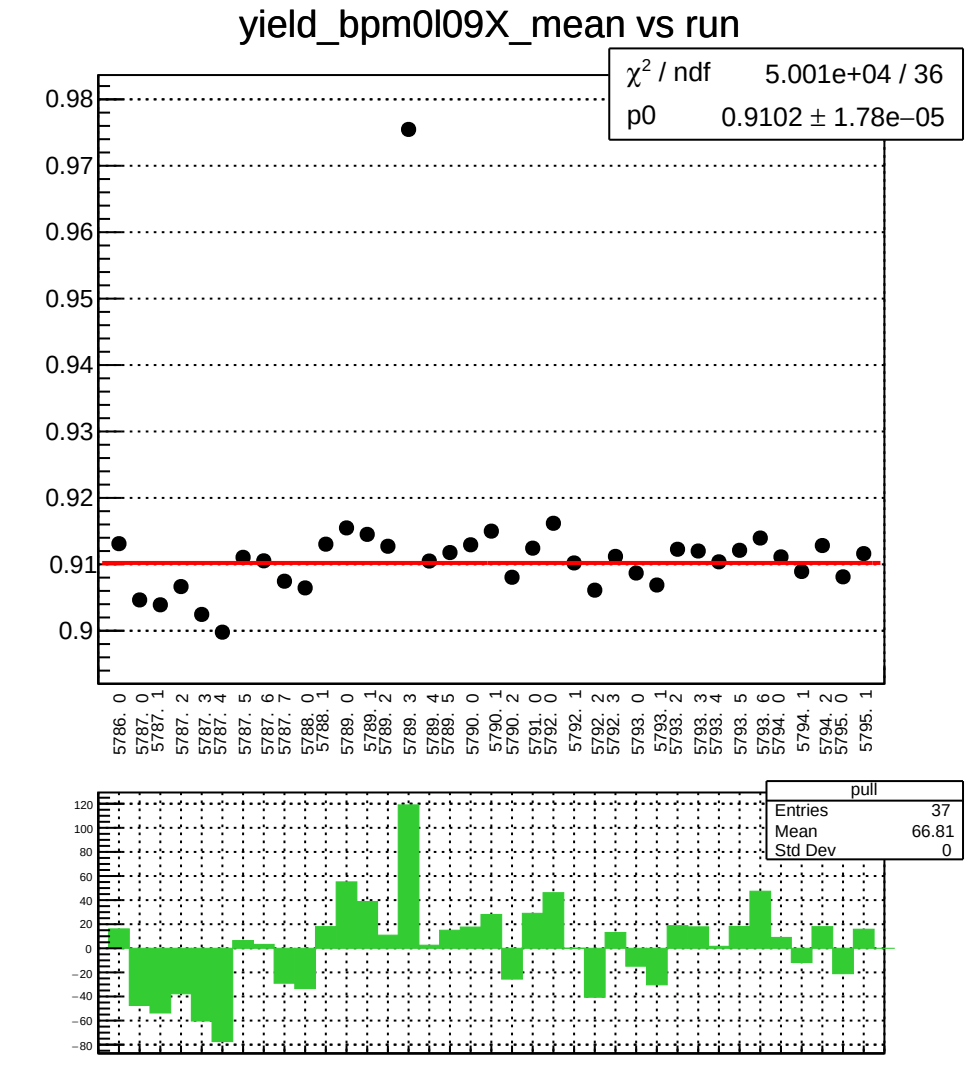

pull1D
Entries 37
Mean 2.524
Std Dev 4.141
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

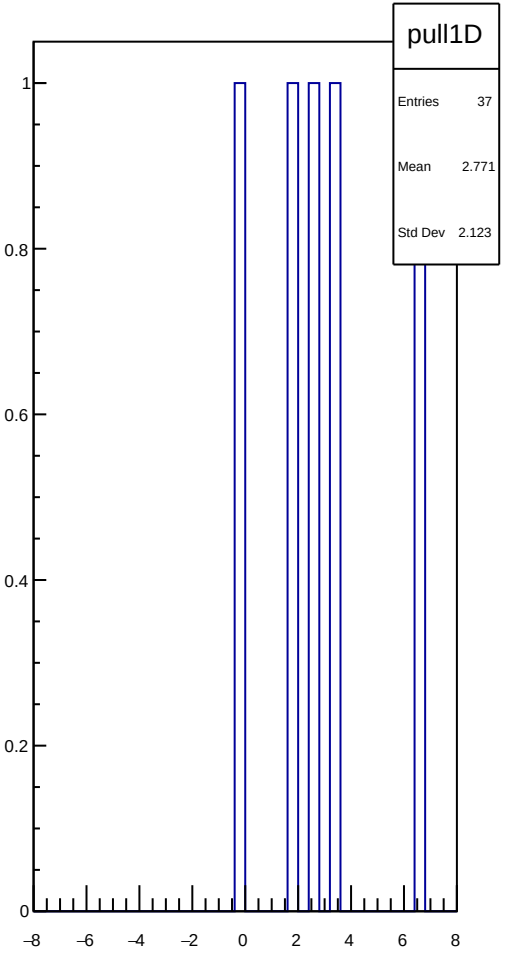

yield_bpm0l08X_rms vs run
χ² / ndf 3.558e+04 / 36
p0 0.009461 ± 1.117e−05
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

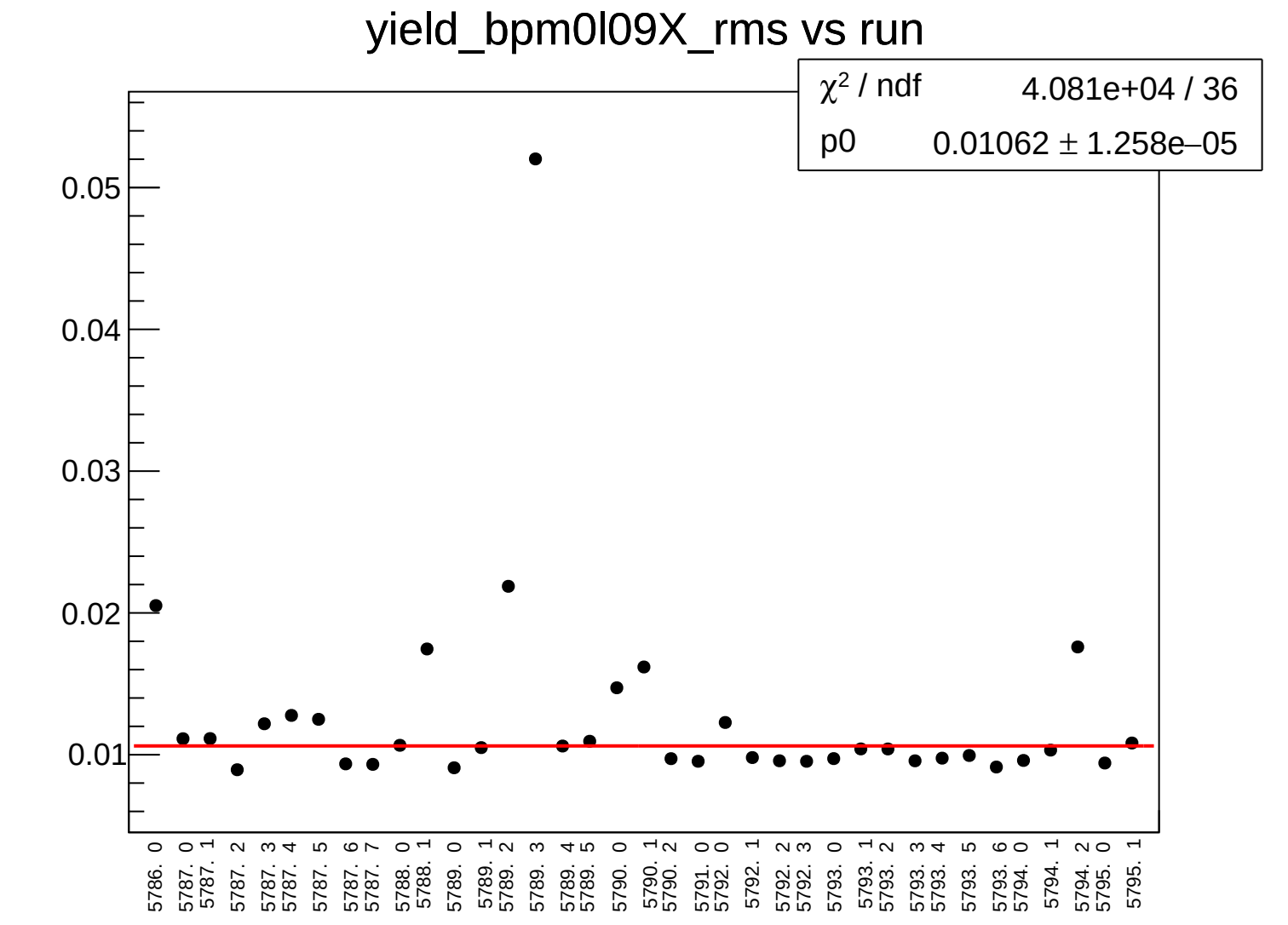

yield_bpm0l08Y_mean vs run
χ² / ndf 9.707e+05 / 36
p0 0.03811± 1.179e−05
0.06
0.05
0.04
0.03
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 94.6
Std Dev 0
300
200
100
0
−100
−200
−300

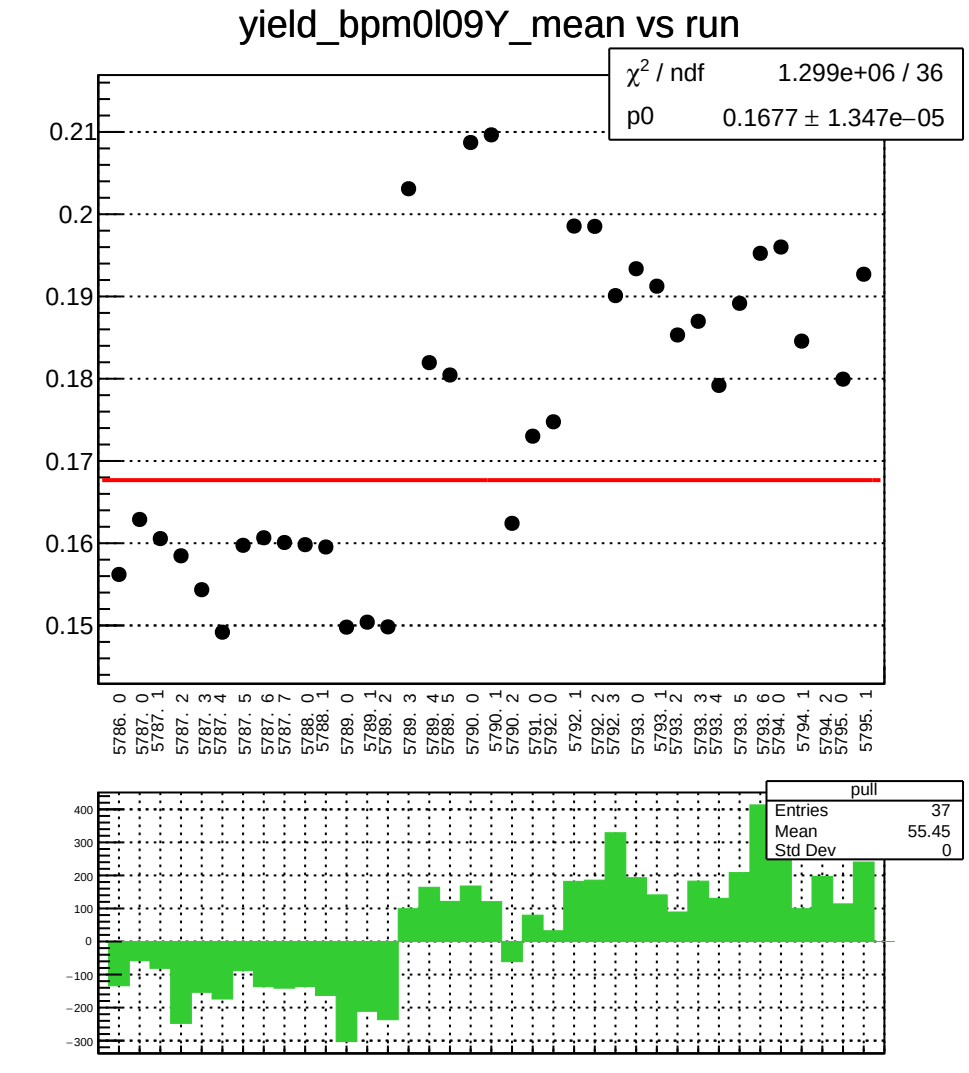

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

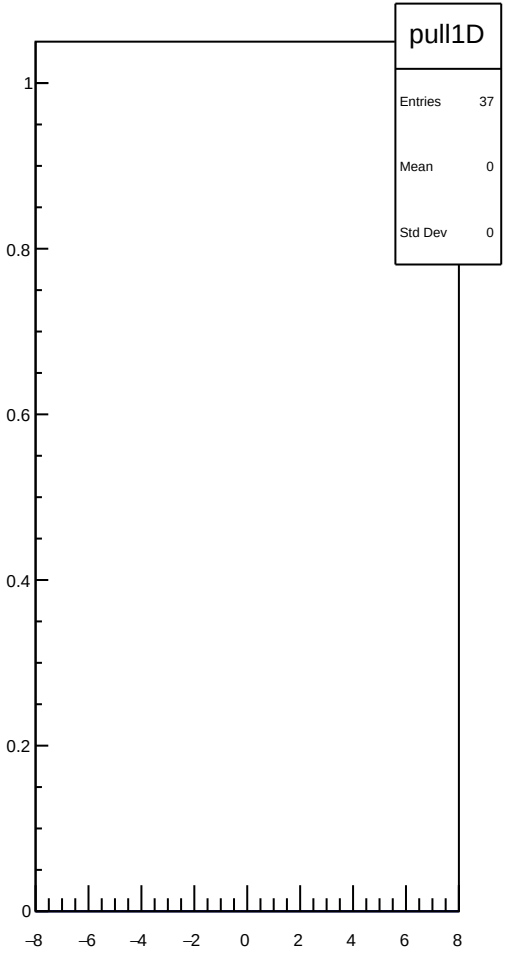

yield_bpm0l08Y_rms vs run
χ² / ndf 9.104e+04 / 36
p0 0.006784 ± 8.339e−06
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

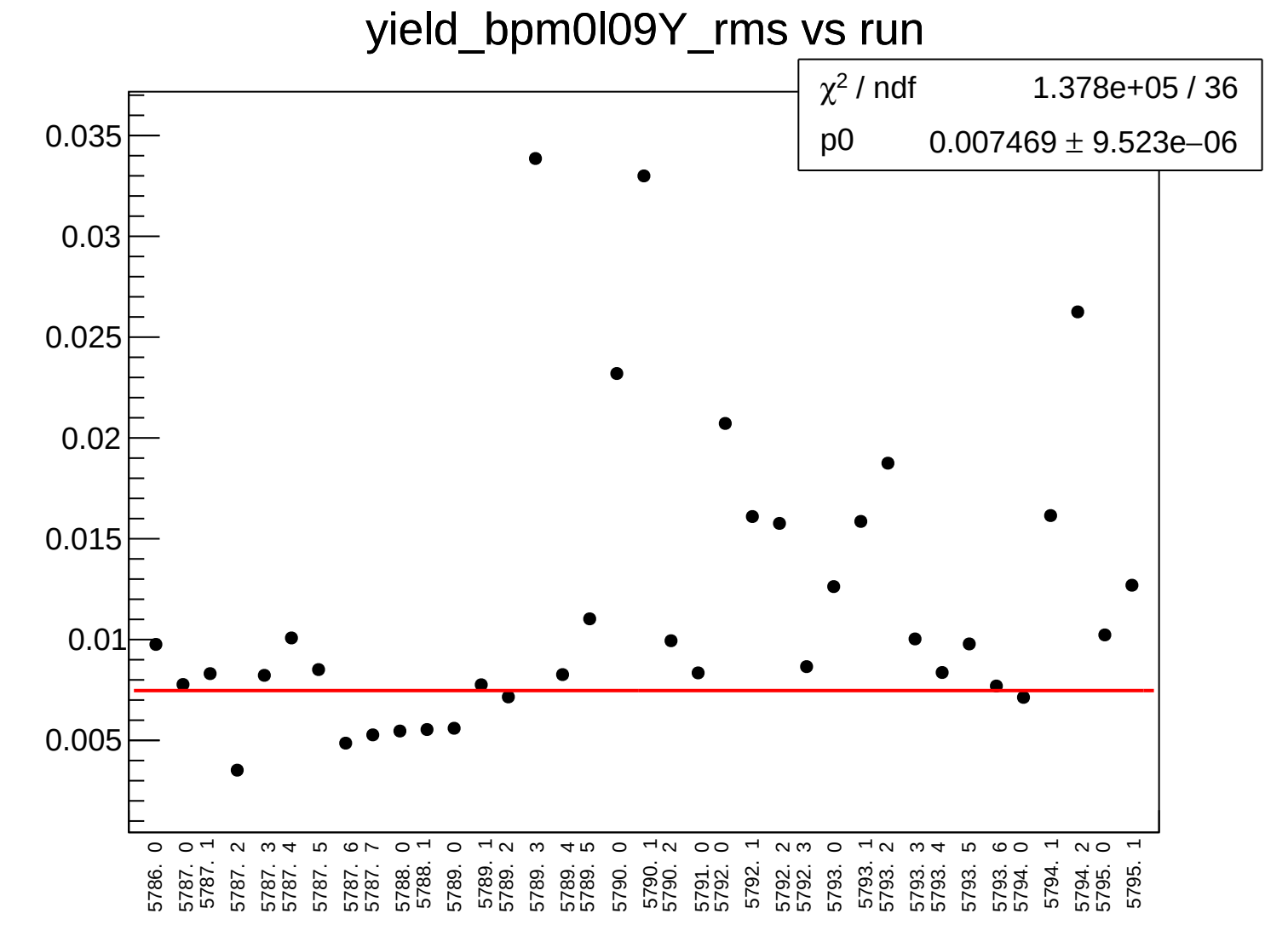

yield_bpm0l09X_mean vs run
χ² / ndf 5.001e+04 / 36
p0 0.9102 ± 1.78e−05
0.98
0.97
0.96
0.95
0.94
0.93
0.92
0.91
0.9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 66.81
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80

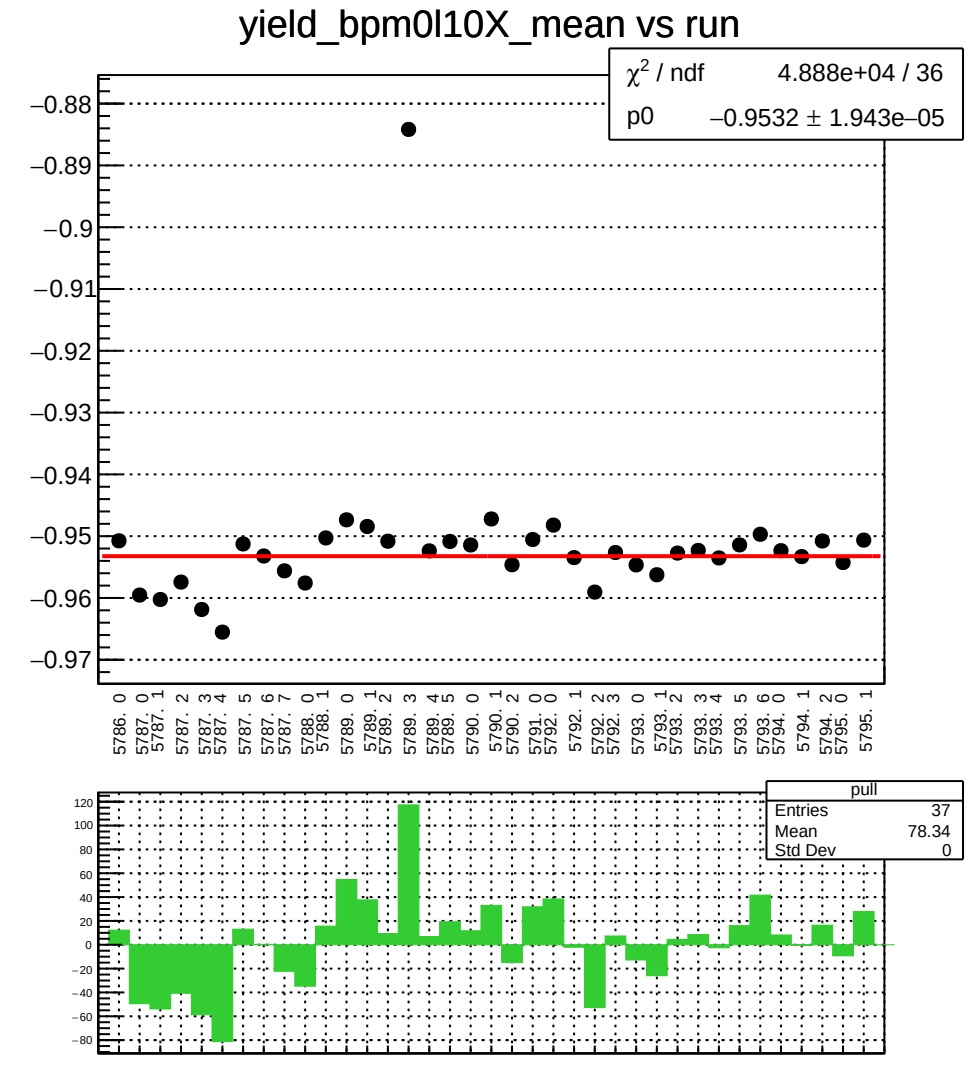

pull1D
Entries 37
Mean 2.771
Std Dev 2.123
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

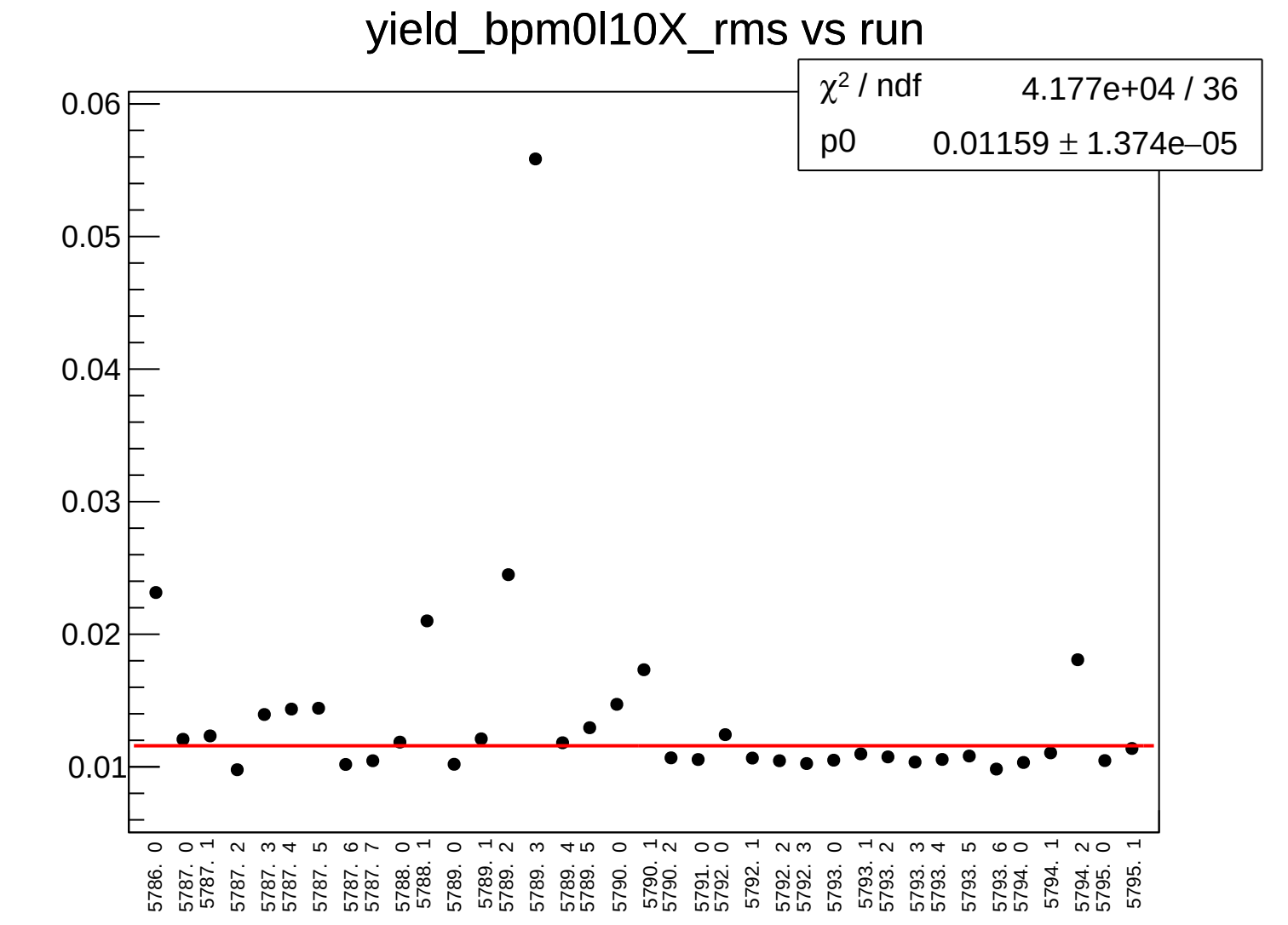

yield_bpm0l09X_rms vs run
χ² / ndf 4.081e+04 / 36
p0 0.01062 ± 1.258e−05
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

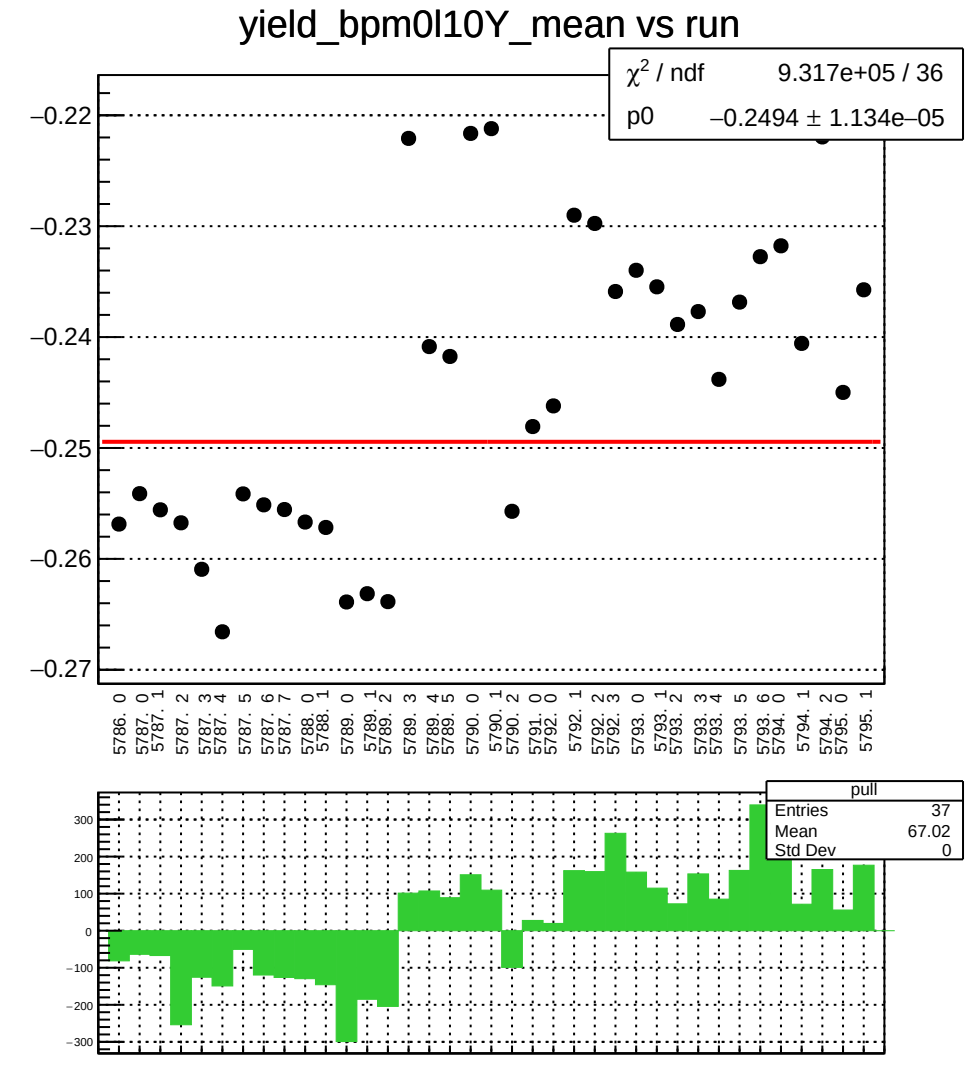

yield_bpm0l09Y_mean vs run
χ² / ndf 1.299e+06 / 36
p0 0.1677 ± 1.347e−05
0.21
0.2
0.19
0.18
0.17
0.16
0.15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 55.45
Std Dev 0
400
300
200
100
0
−100
−200
−300

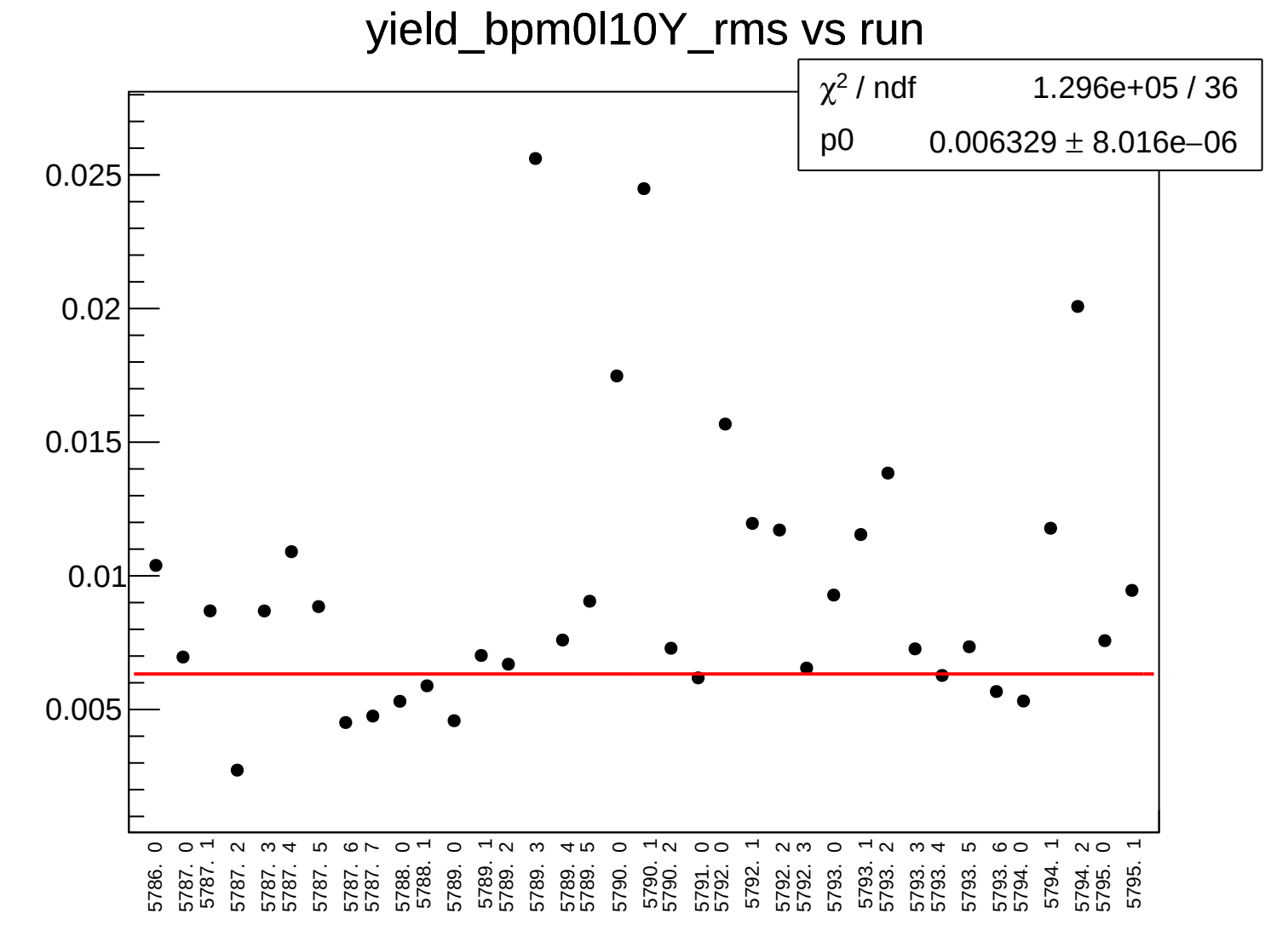

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

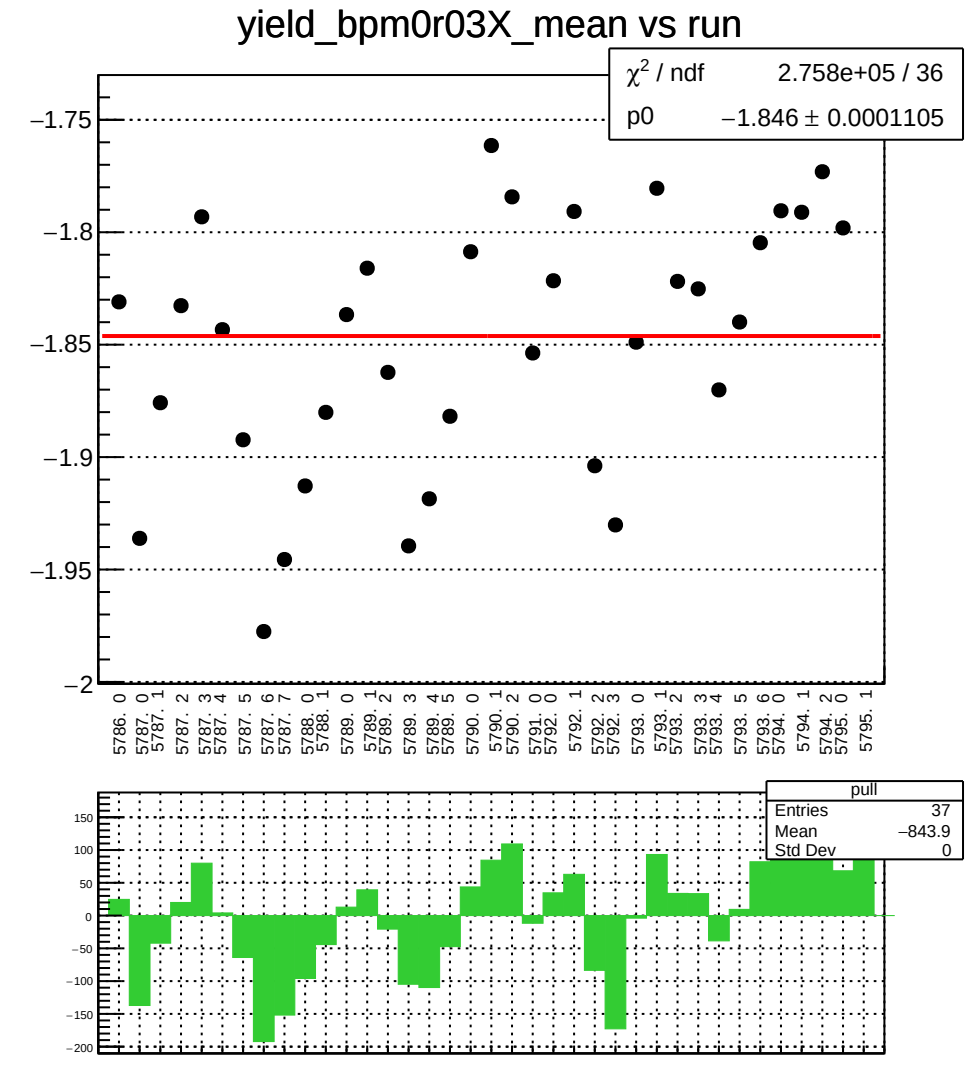

yield_bpm0l09Y_rms vs run
χ² / ndf 1.378e+05 / 36
p0 0.007469 ± 9.523e−06
0.035
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

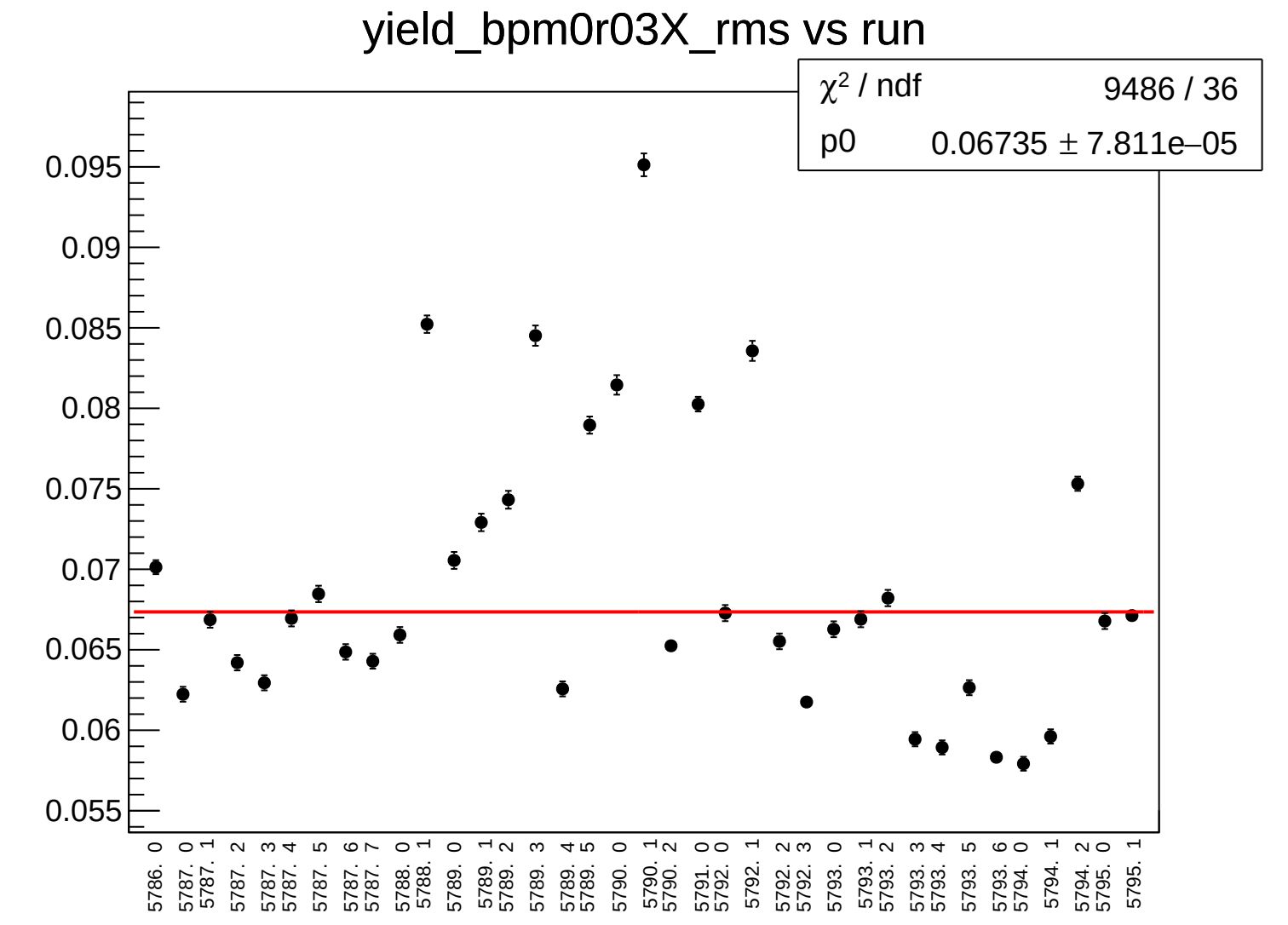

yield_bpm0l10X_mean vs run
χ² / ndf 4.888e+04 / 36
p0 −0.9532 ± 1.943e−05
−0.88
−0.89
−0.9
−0.91
−0.92
−0.93
−0.94
−0.95
−0.96
−0.97
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 78.34
Std Dev 0
120
100
80
60
40
20
0
−20
−40
−60
−80
pull1D
Entries 37
Mean 1.978
Std Dev 3.871
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

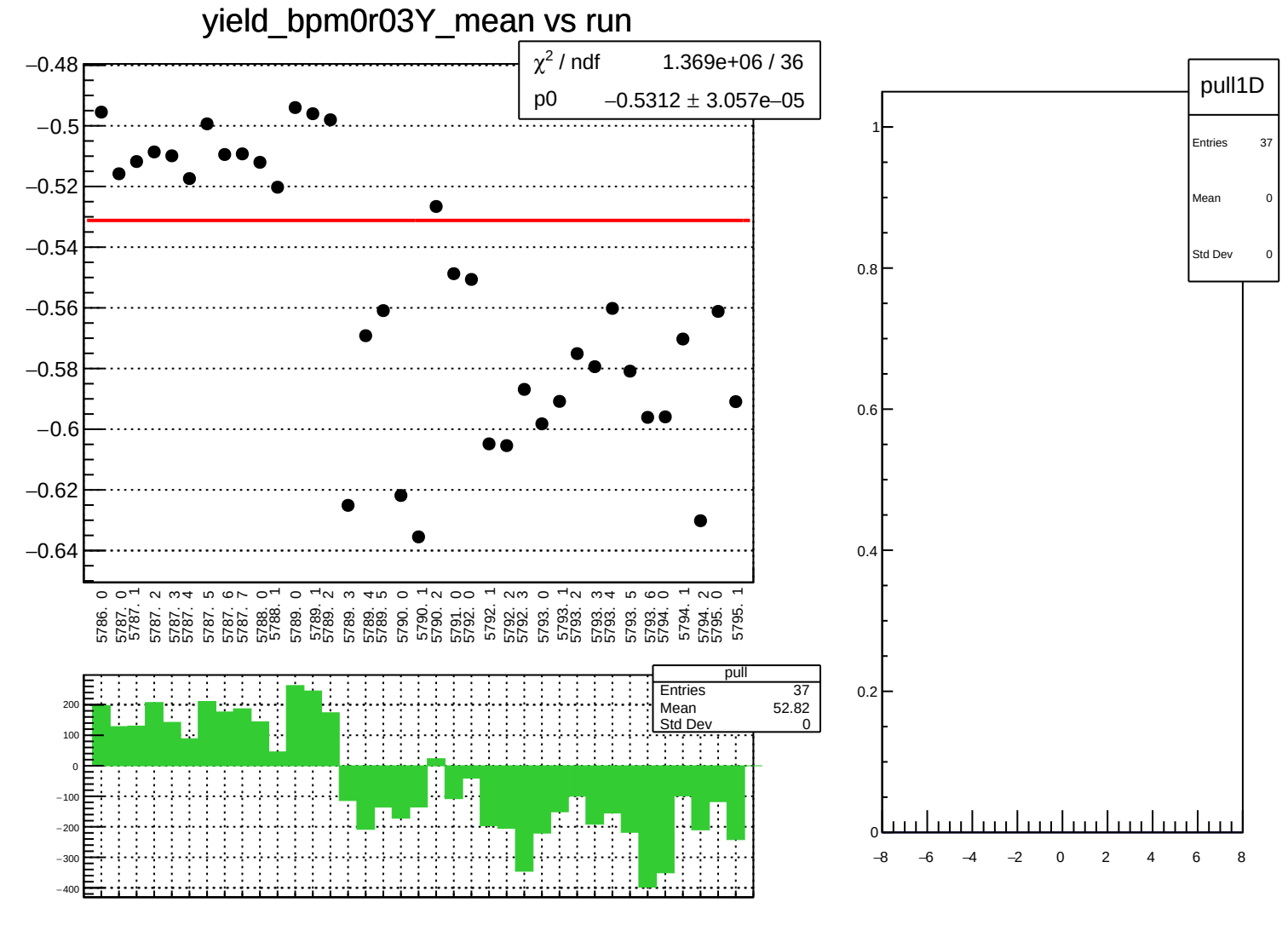

yield_bpm0l10X_rms vs run
χ² / ndf 4.177e+04 / 36
p0 0.01159 ± 1.374e–05
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

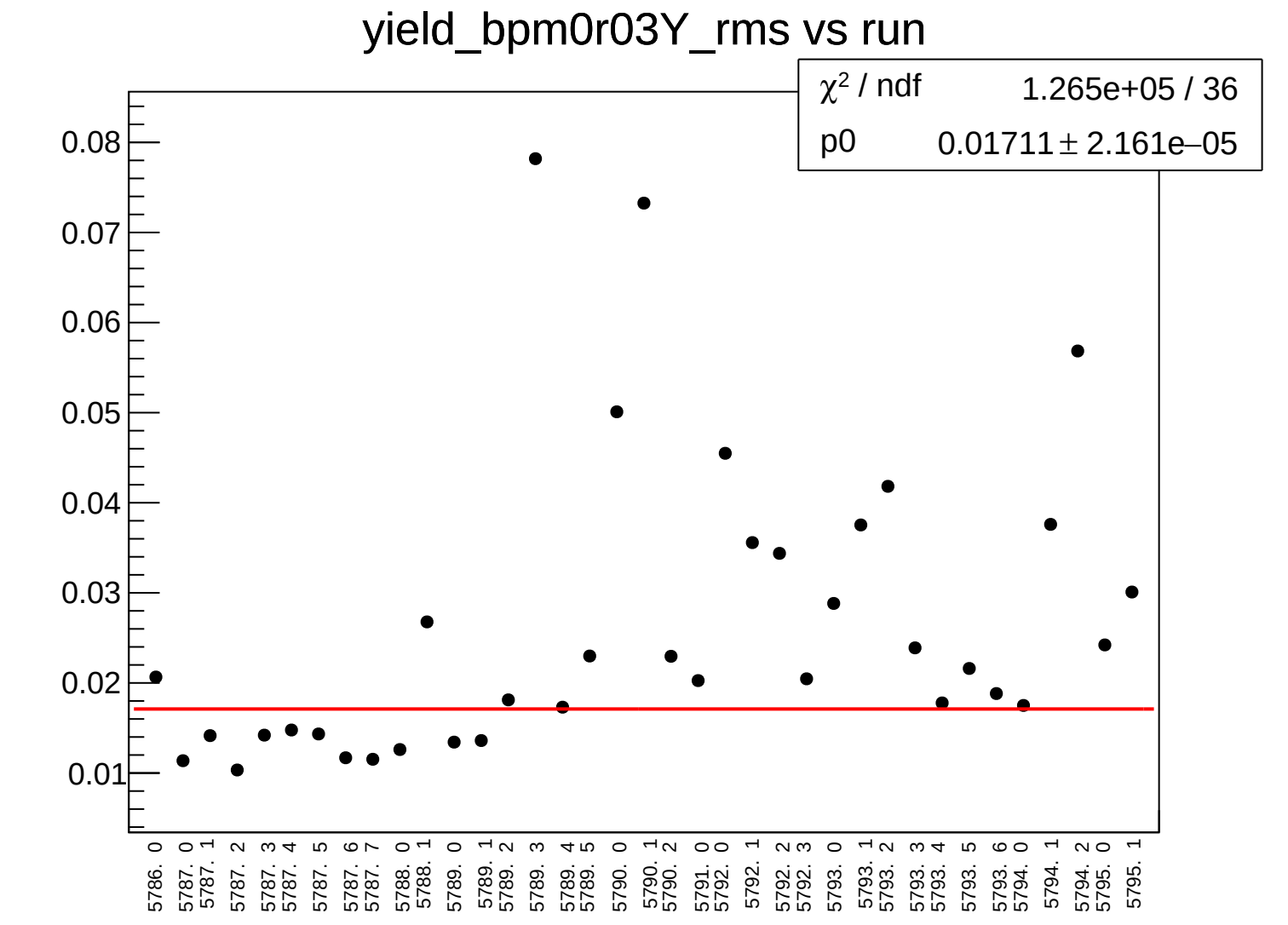

yield_bpm0l10Y_mean vs run
χ² / ndf 9.317e+05 / 36
p0 −0.2494 ± 1.134e−05
−0.22
−0.23
−0.24
−0.25
−0.26
−0.27
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.02
Std Dev 0
300
200
100
0
−100
−200
−300
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

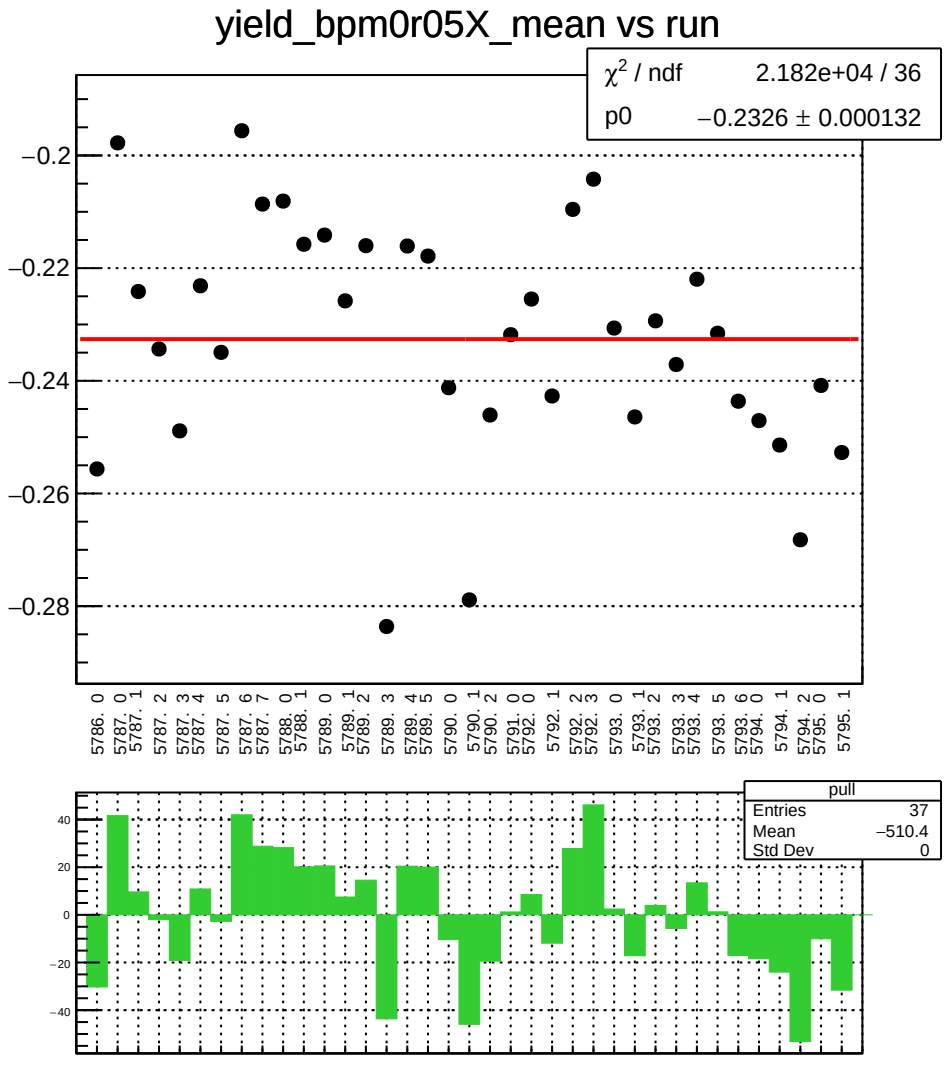

yield_bpm0l10Y_rms vs run
χ² / ndf 1.296e+05 / 36
p0 0.006329 ± 8.016e−06
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

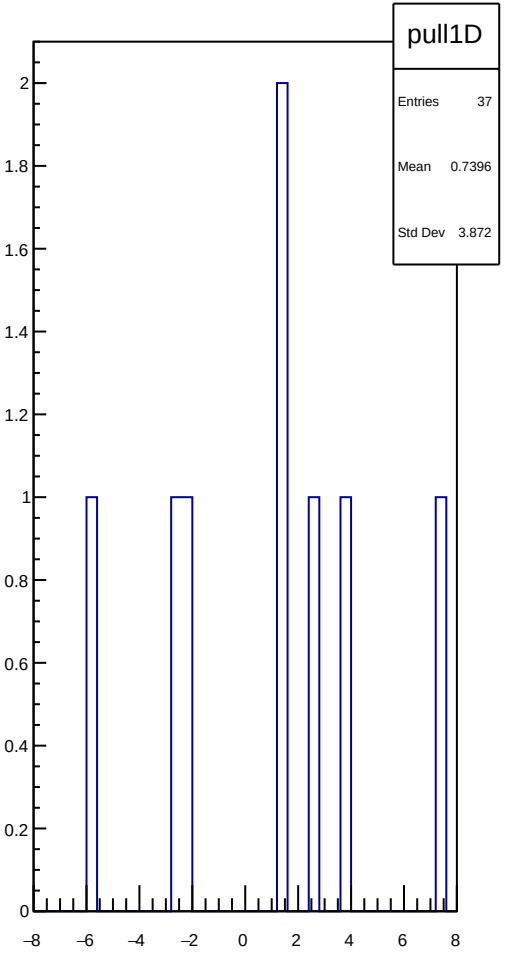

yield_bpm0r03X_mean vs run
χ² / ndf 2.758e+05 / 36
p0 −1.846 ± 0.0001105
−1.75
−1.8
−1.85
−1.9
−1.95
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −843.9
Std Dev 0
150
100
50
0
−50
−100
−150
−200
pull1D
Entries 37
Mean 0.0507
Std Dev 3.963
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

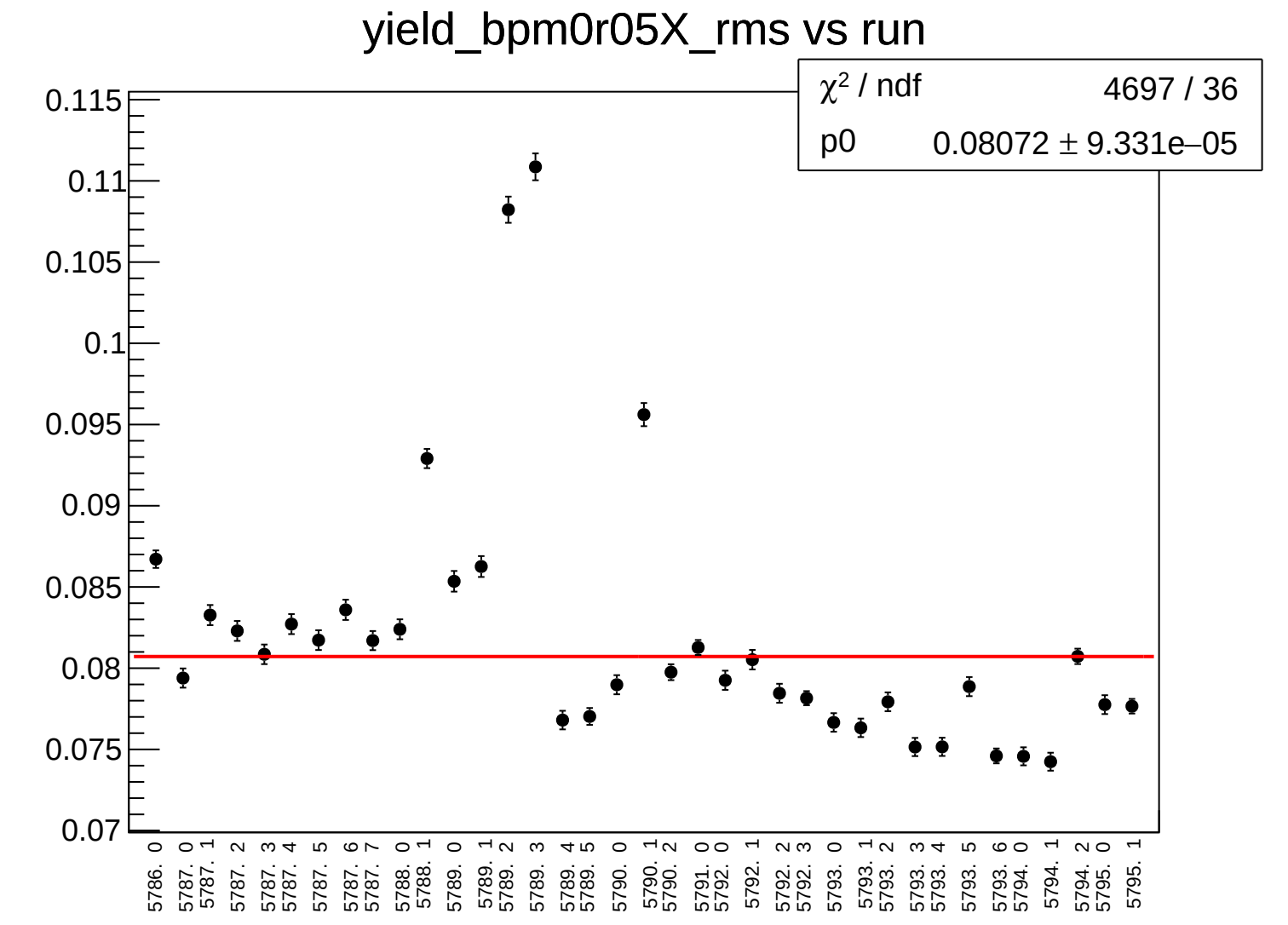

yield_bpm0r03X_rms vs run
χ² / ndf 9486 / 36
p0 0.06735 ± 7.811e–05
0.095
0.09
0.085
0.08
0.075
0.07
0.065
0.06
0.055
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

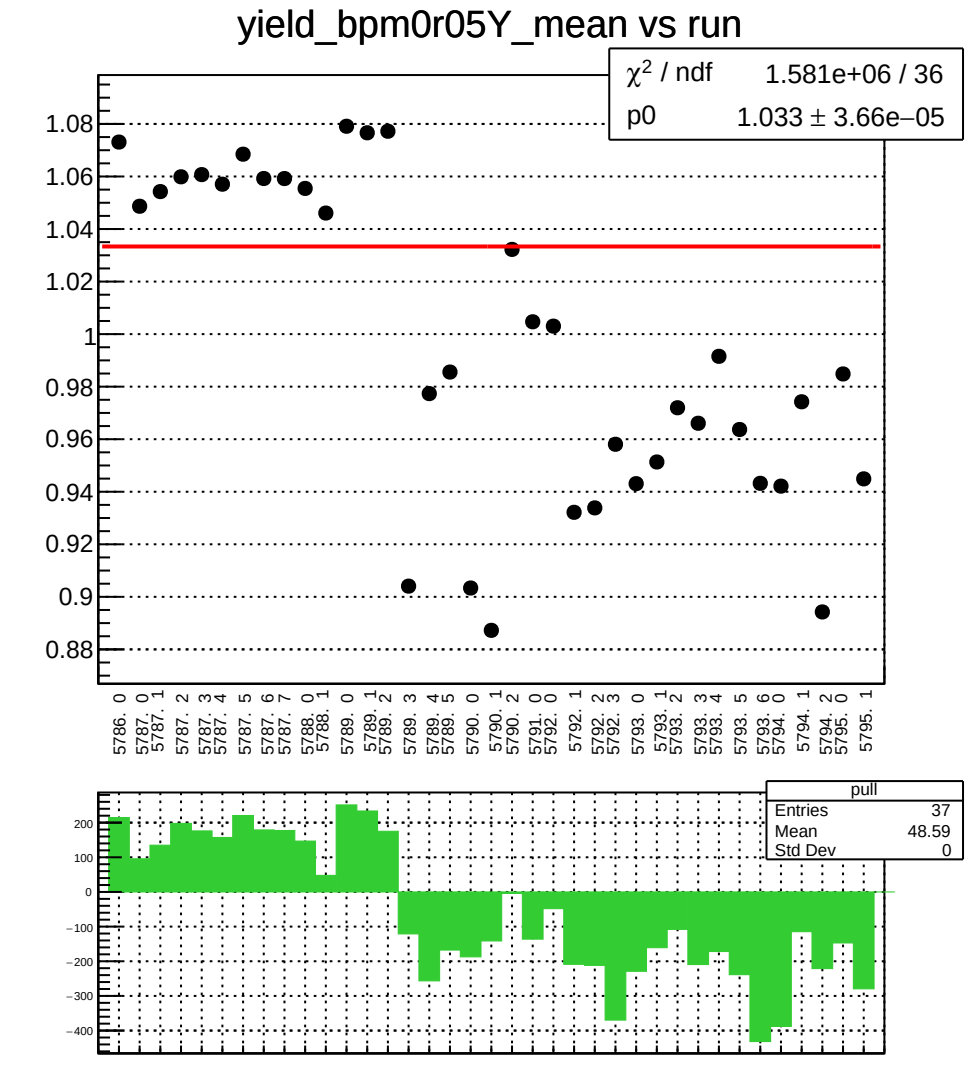

yield_bpm0r03Y_mean vs run
χ² / ndf 1.369e+06 / 36
p0 −0.5312 ± 3.057e−05
pull
Entries 37
Mean 52.82
Std Dev 0
pull1D
Entries 37
Mean 0
Std Dev 0

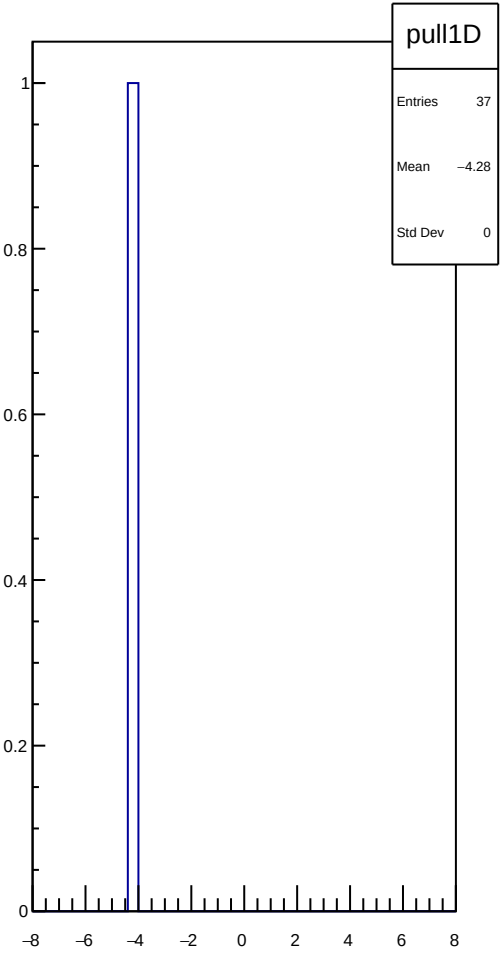

yield_bpm0r03Y_rms vs run
χ² / ndf 1.265e+05 / 36
p0 0.01711 ± 2.161e–05
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

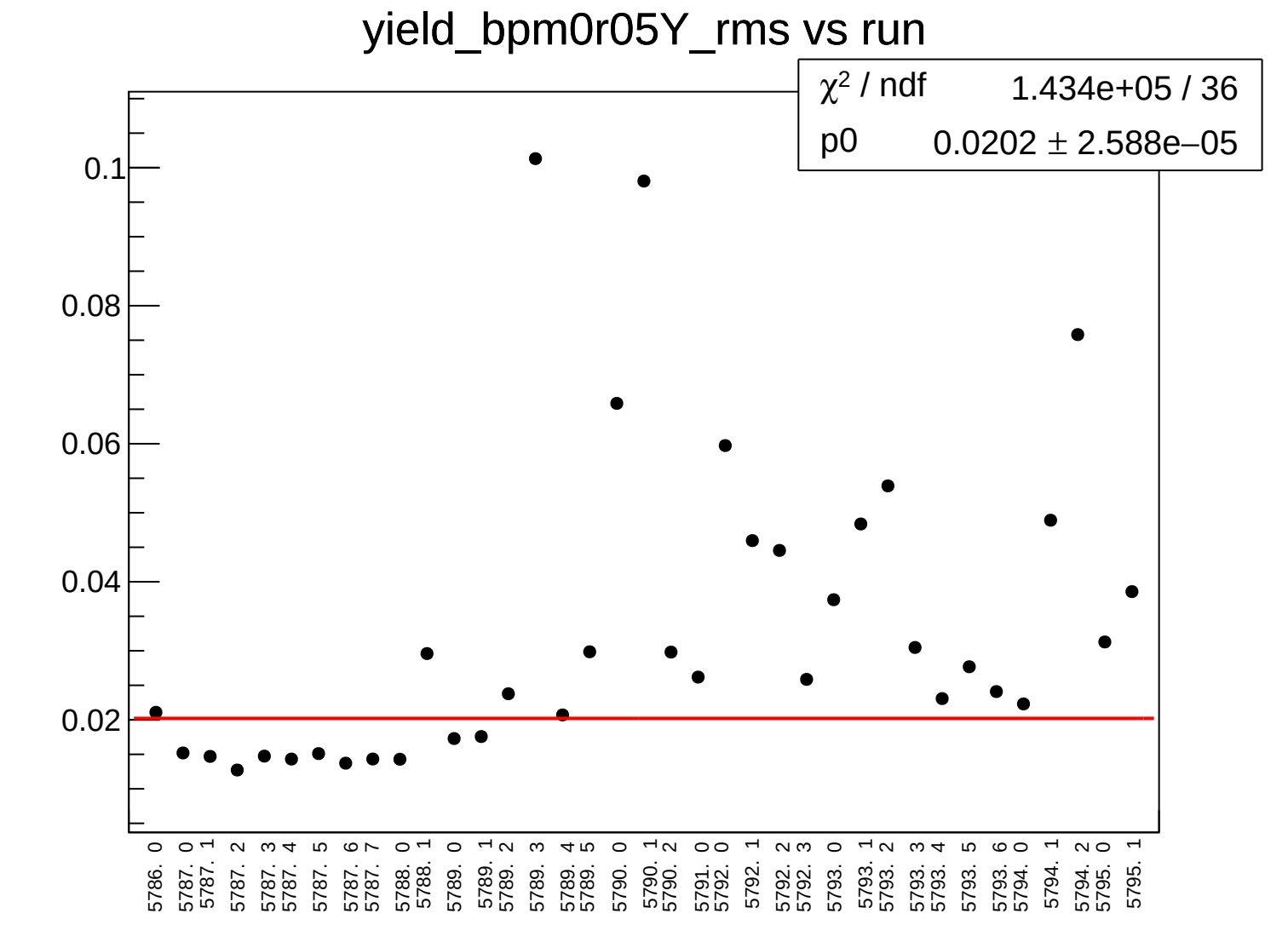

yield_bpm0r05X_mean vs run
χ² / ndf 2.182e+04 / 36
p0 −0.2326 ± 0.000132
−0.2
−0.22
−0.24
−0.26
−0.28
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −510.4
Std Dev 0
40
20
0
−20
−40

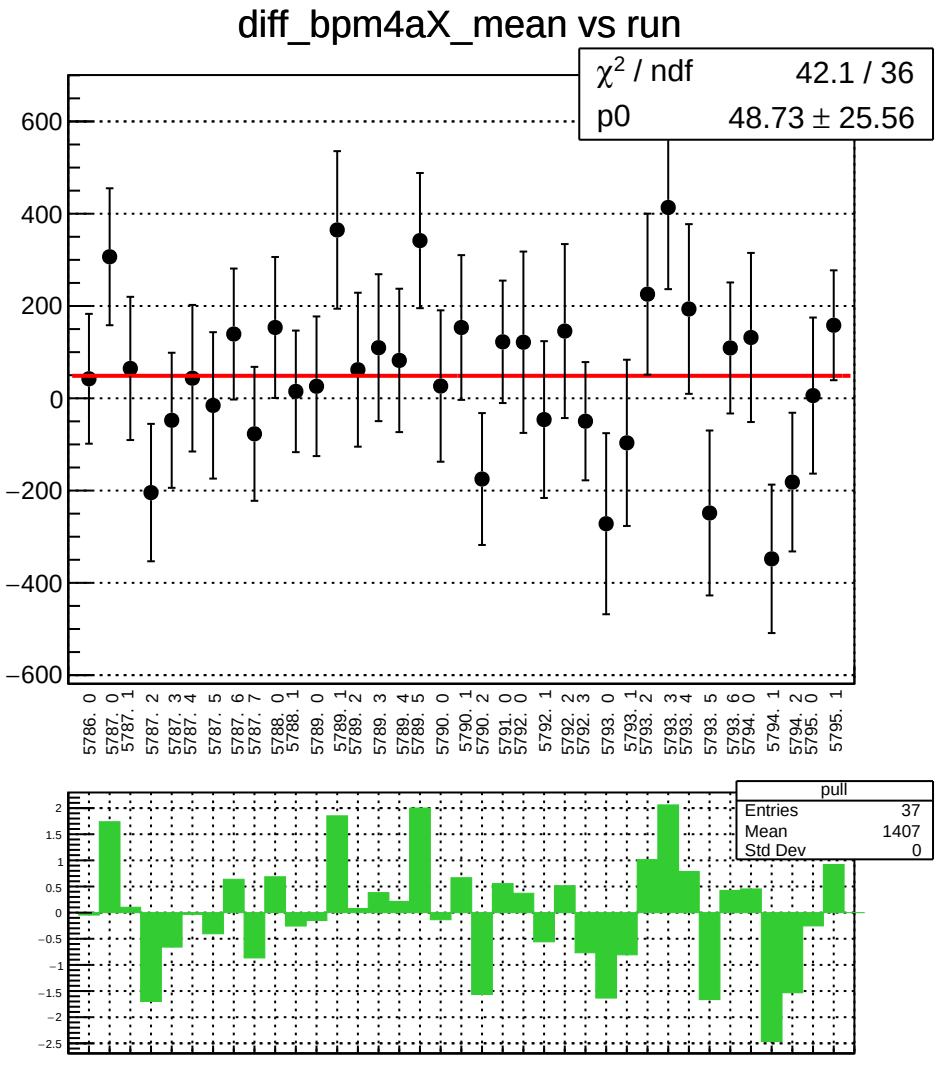

pull1D
Entries 37
Mean 0.7396
Std Dev 3.872
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

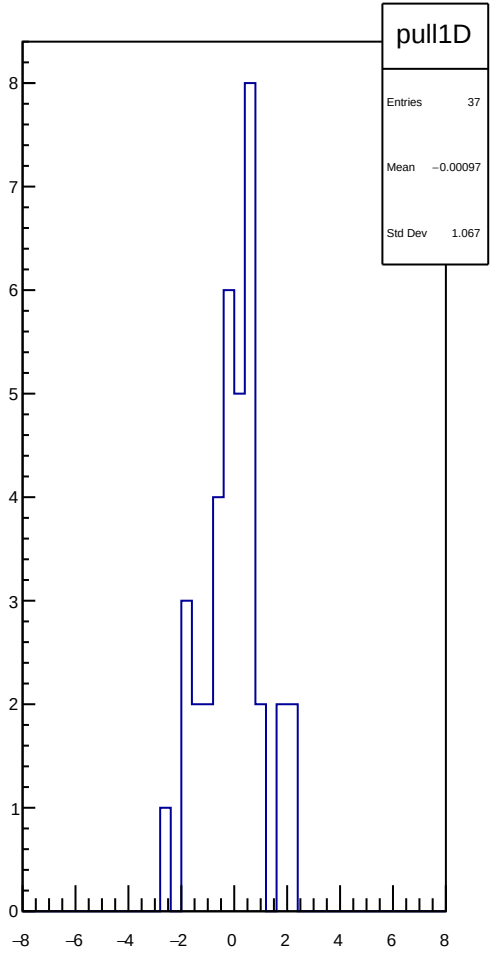

yield_bpm0r05X_rms vs run
χ² / ndf 4697 / 36
p0 0.08072 ± 9.331e–05
0.115
0.11
0.105
0.1
0.095
0.09
0.085
0.08
0.075
0.07
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

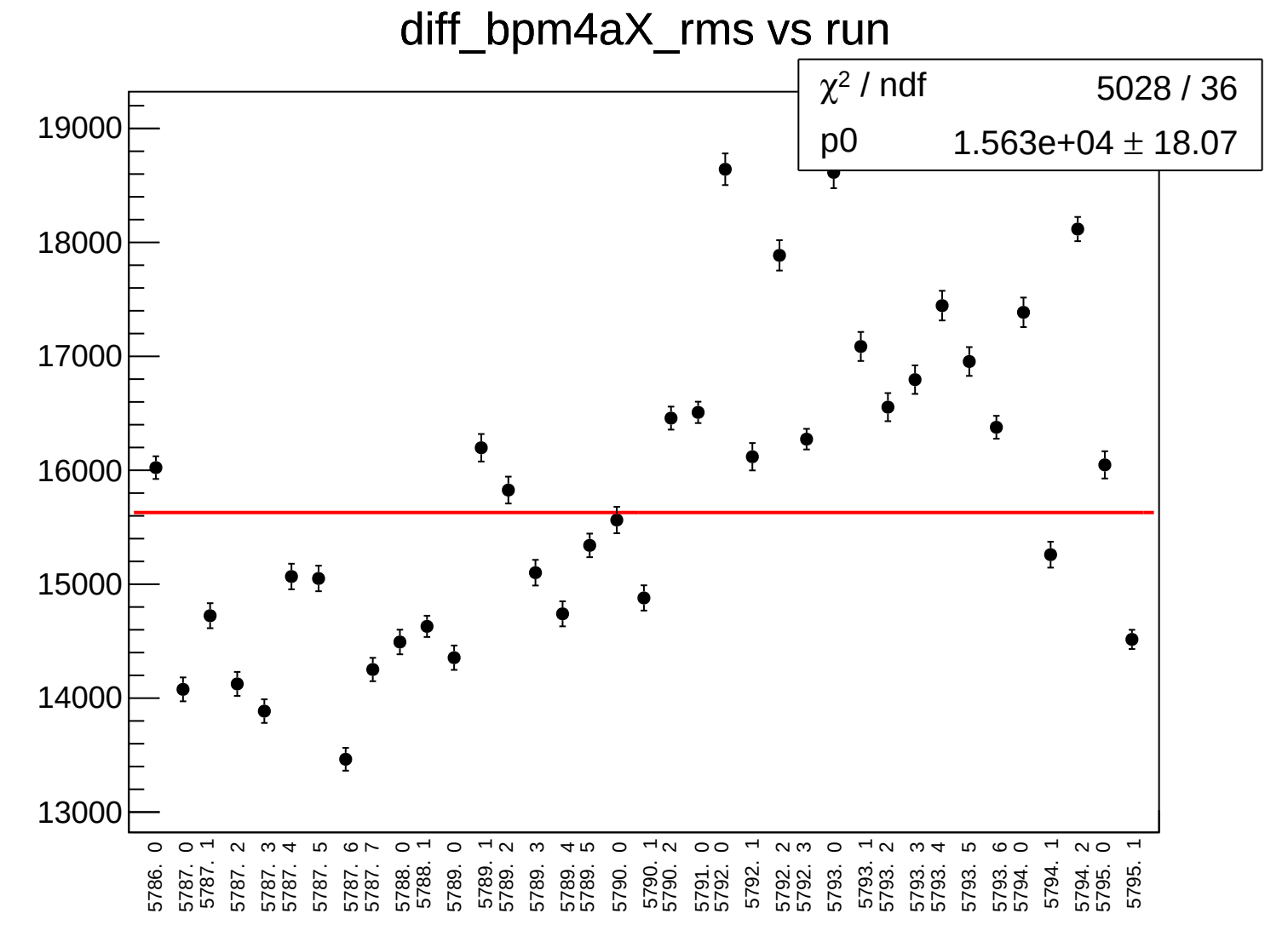

yield_bpm0r05Y_mean vs run
χ² / ndf 1.581e+06 / 36
p0 1.033 ± 3.66e−05
pull
Entries 37
Mean 48.59
Std Dev 0

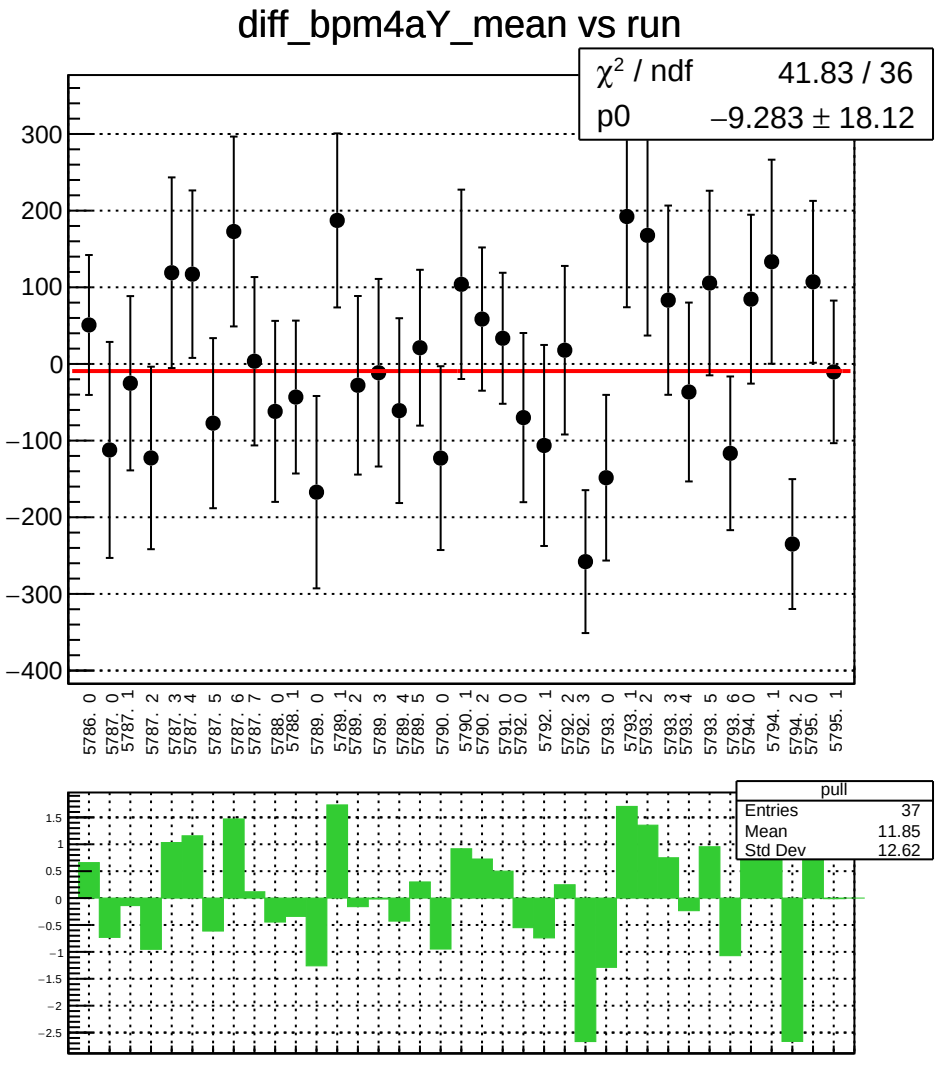

pull1D
Entries 37
Mean −4.28
Std Dev 0

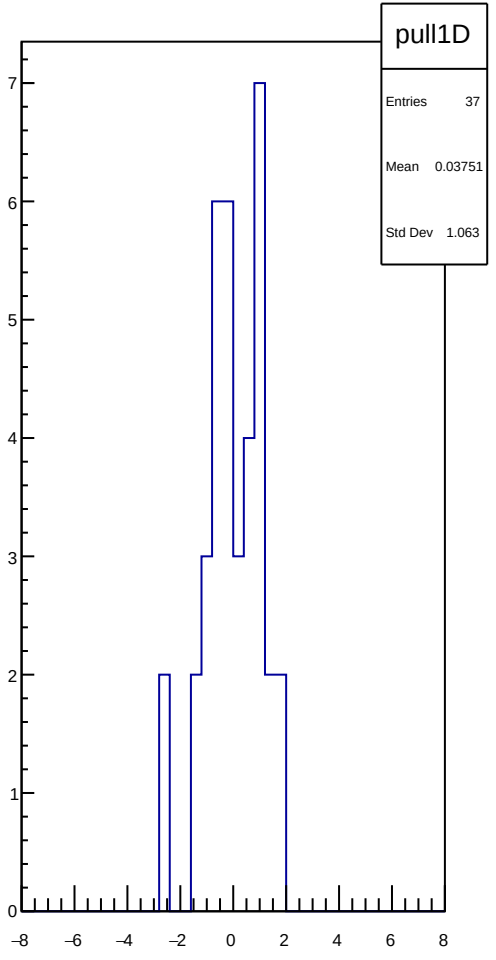

yield_bpm0r05Y_rms vs run
χ² / ndf 1.434e+05 / 36
p0 0.0202 ± 2.588e−05
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

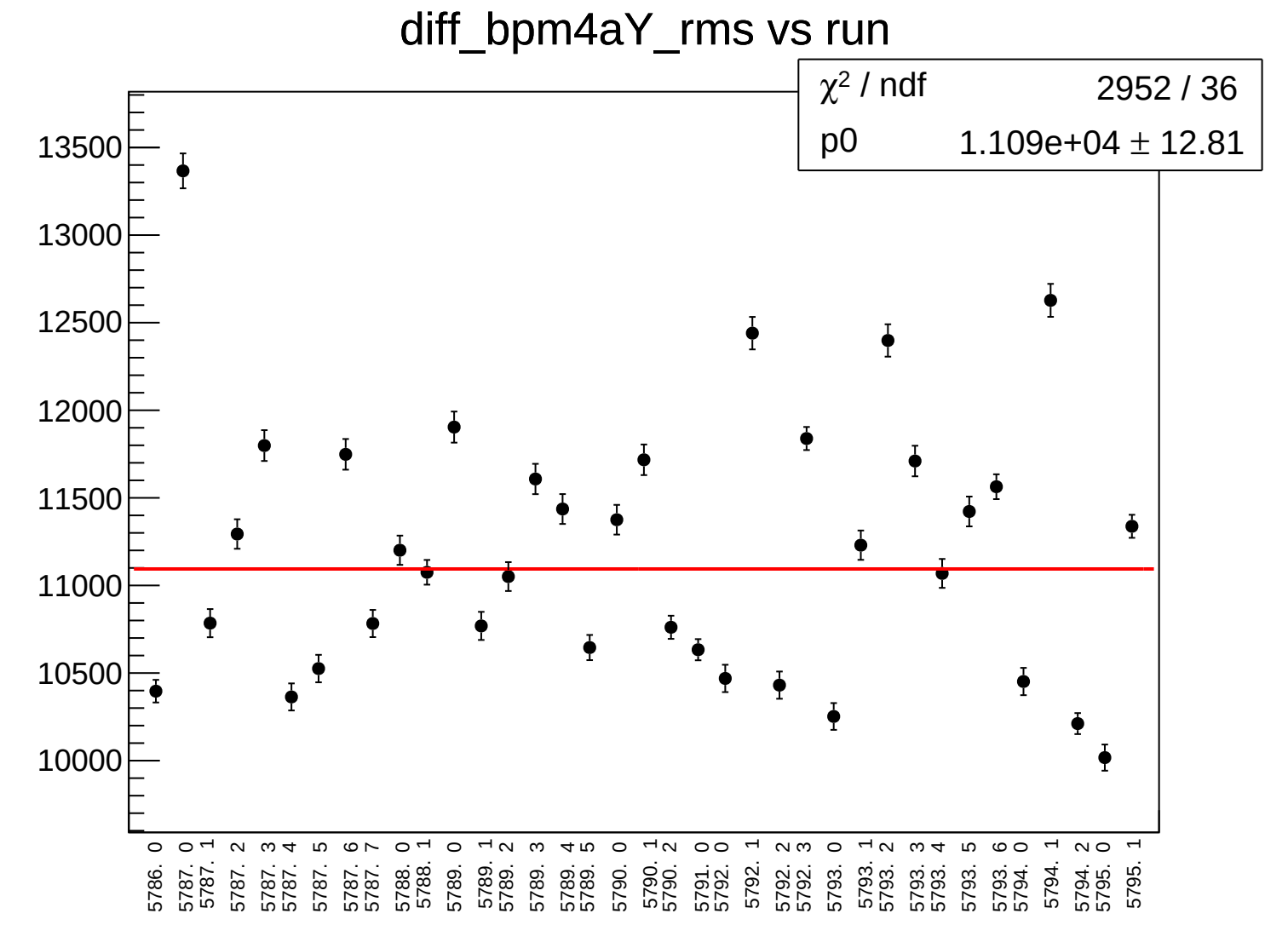

diff_bpm4aX_mean vs run
χ² / ndf 42.1 / 36
p0 48.73 ± 25.56
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1407
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

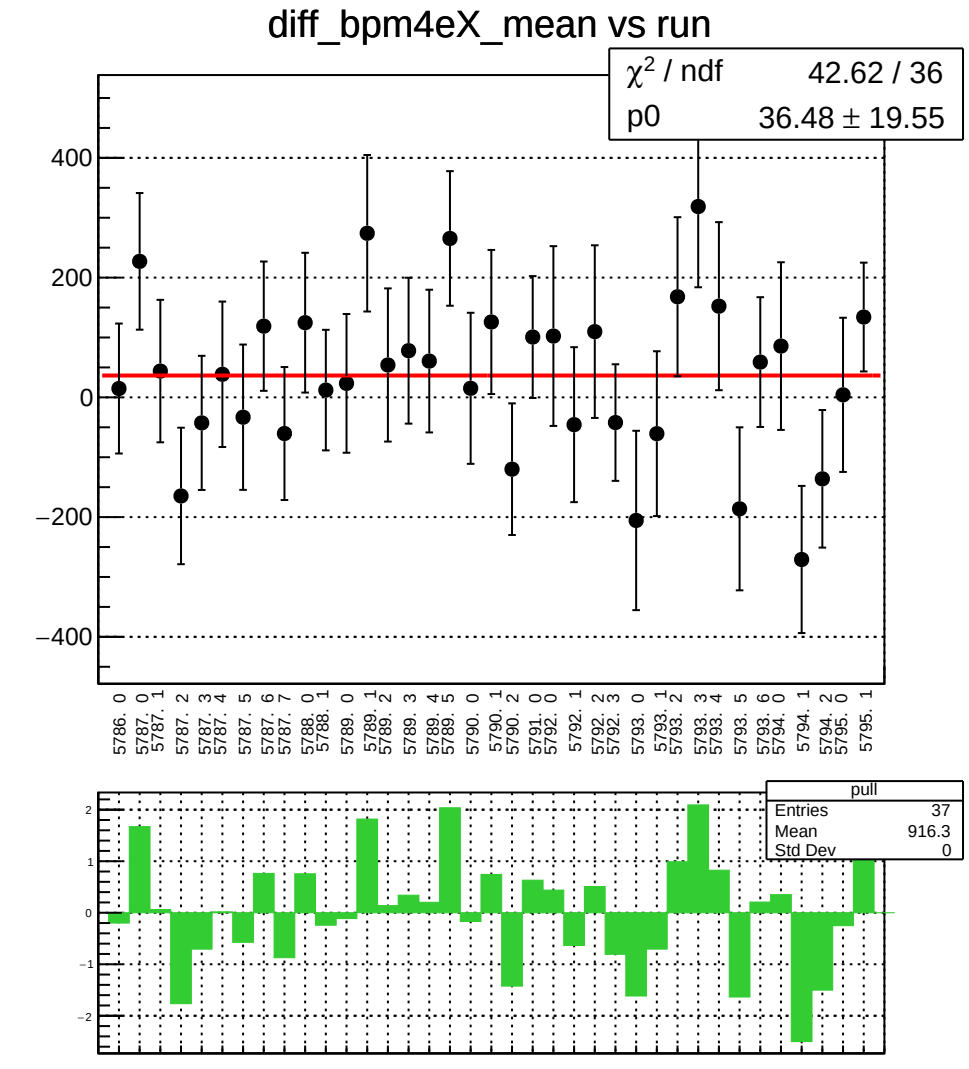

pull1D
Entries 37
Mean −0.00097
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

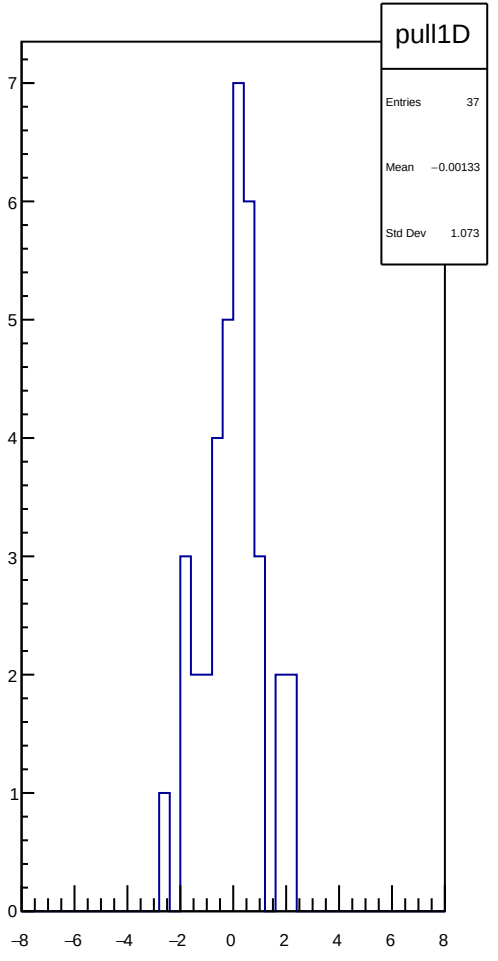

diff_bpm4aX_rms vs run
χ² / ndf 5028 / 36
p0 1.563e+04 ± 18.07
19000
18000
17000
16000
15000
14000
13000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

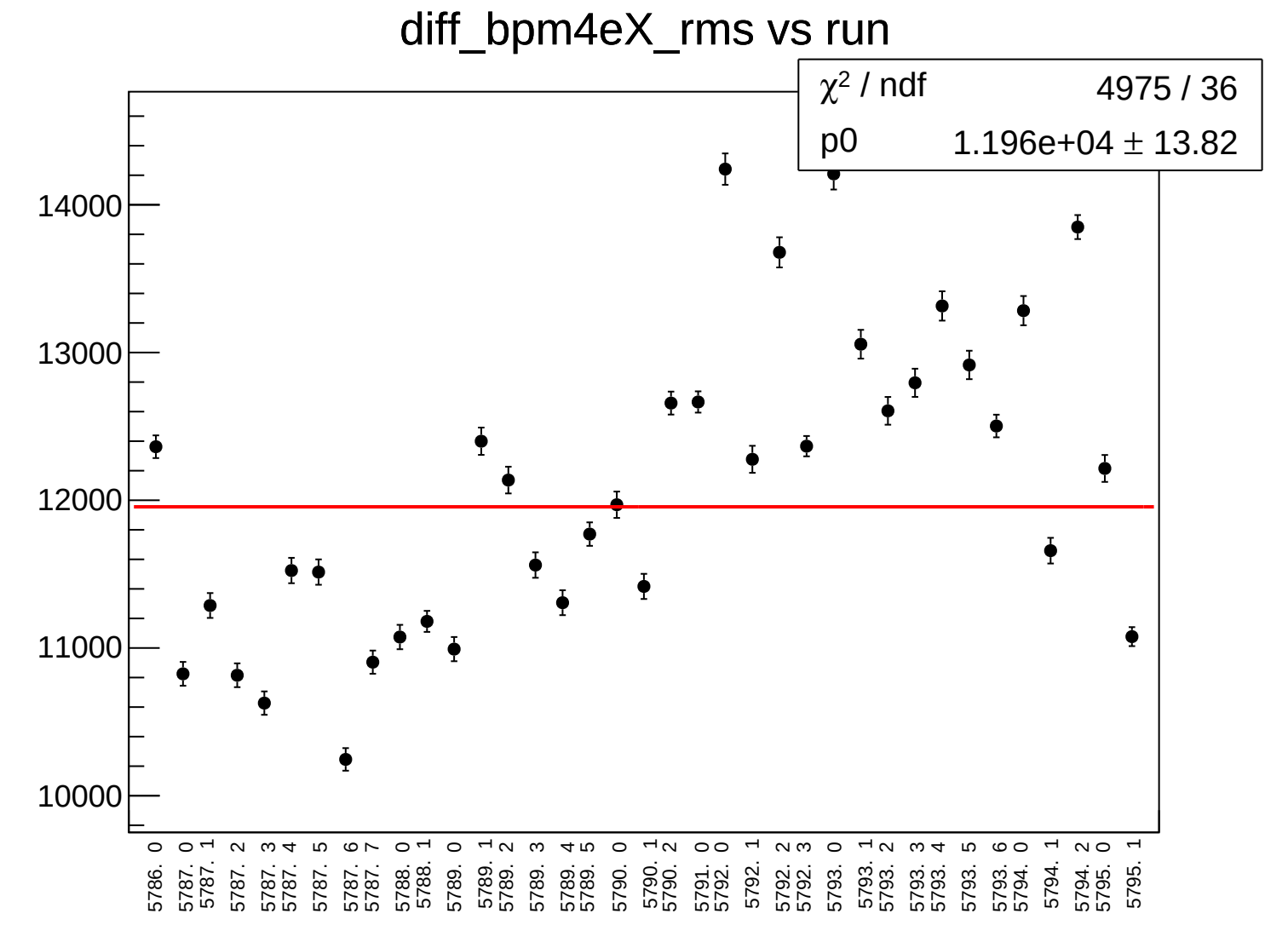

diff_bpm4aY_mean vs run
χ² / ndf 41.83 / 36
p0 −9.283 ± 18.12
300
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.85
Std Dev 12.62
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

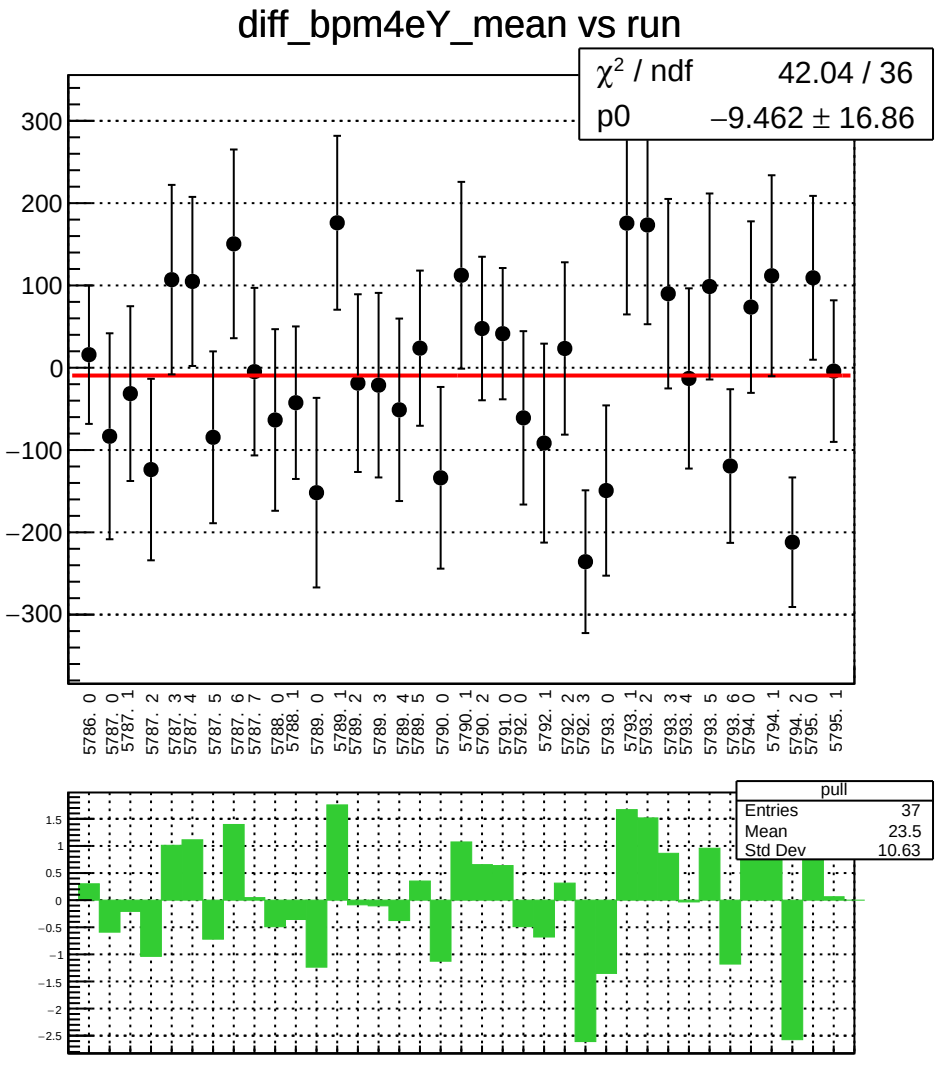

pull1D
Entries 37
Mean 0.03751
Std Dev 1.063
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

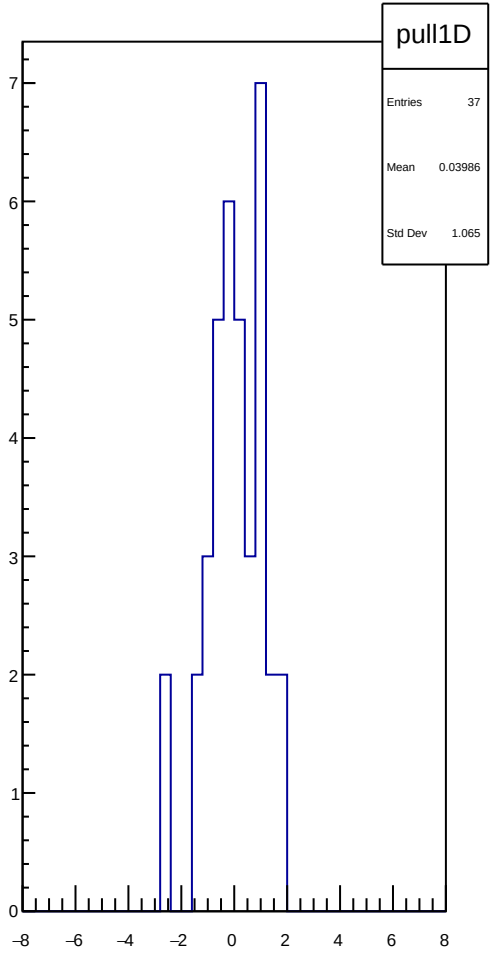

diff_bpm4aY_rms vs run
χ² / ndf 2952 / 36
p0 1.109e+04 ± 12.81
13500
13000
12500
12000
11500
11000
10500
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

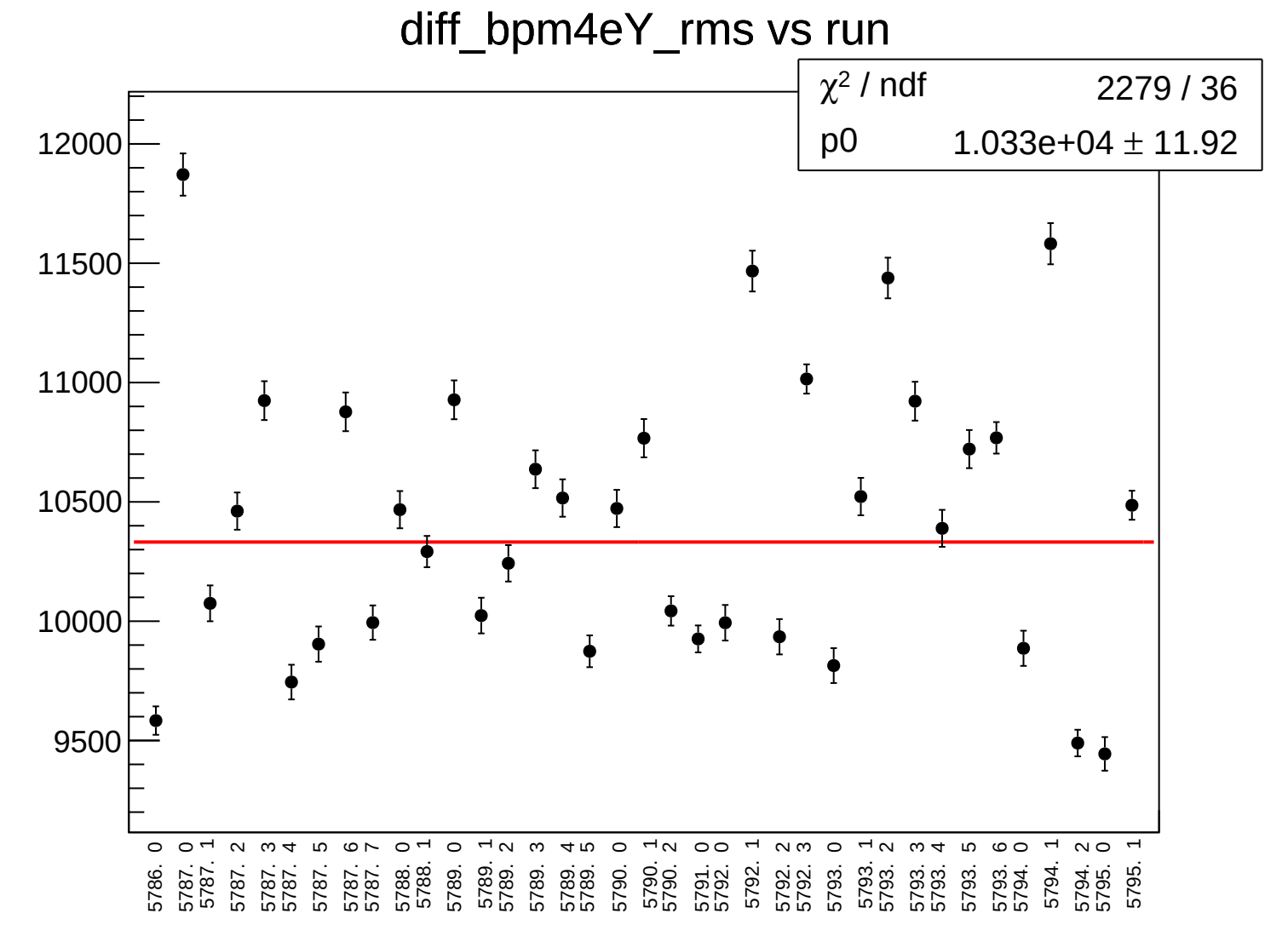

diff_bpm4eX_mean vs run
χ² / ndf 42.62 / 36
p0 36.48 ± 19.55
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 916.3
Std Dev 0
2
1
0
−1
−2

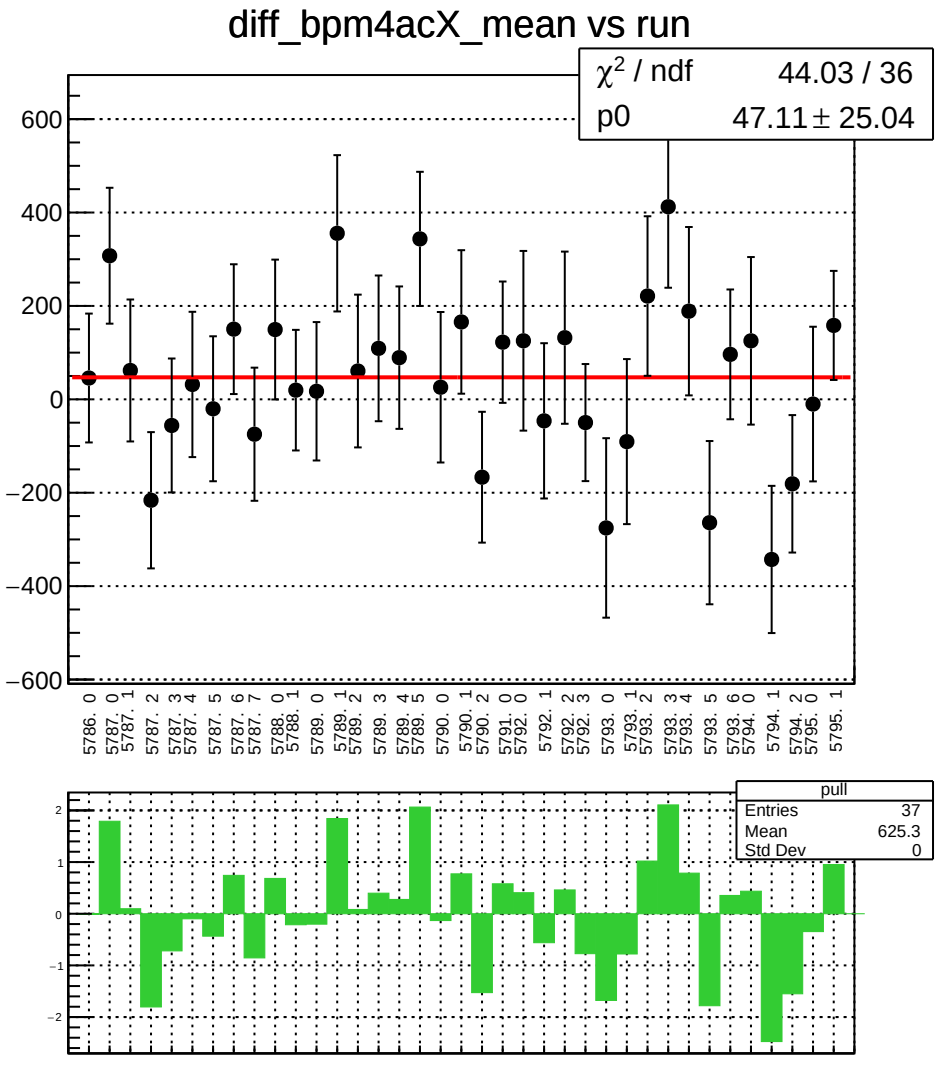

pull1D
Entries 37
Mean −0.00133
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

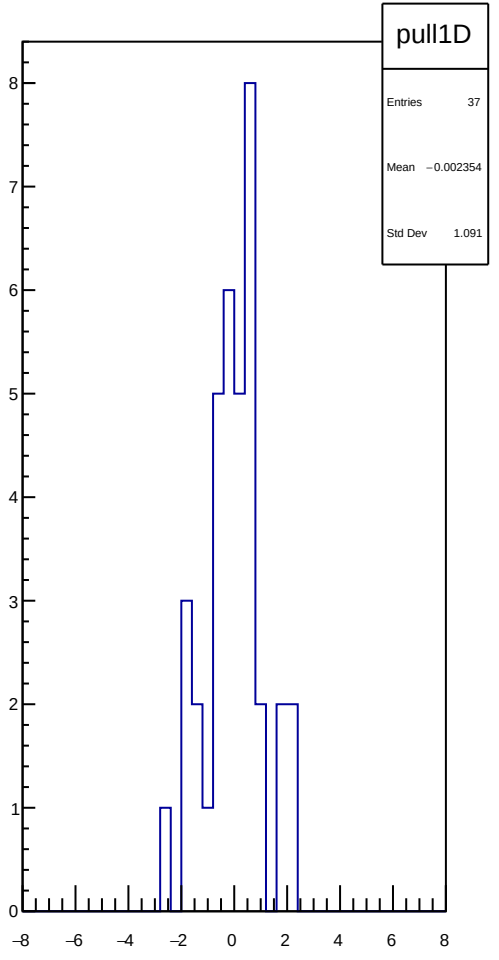

diff_bpm4eX_rms vs run
χ² / ndf 4975 / 36
p0 1.196e+04 ± 13.82
14000
13000
12000
11000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

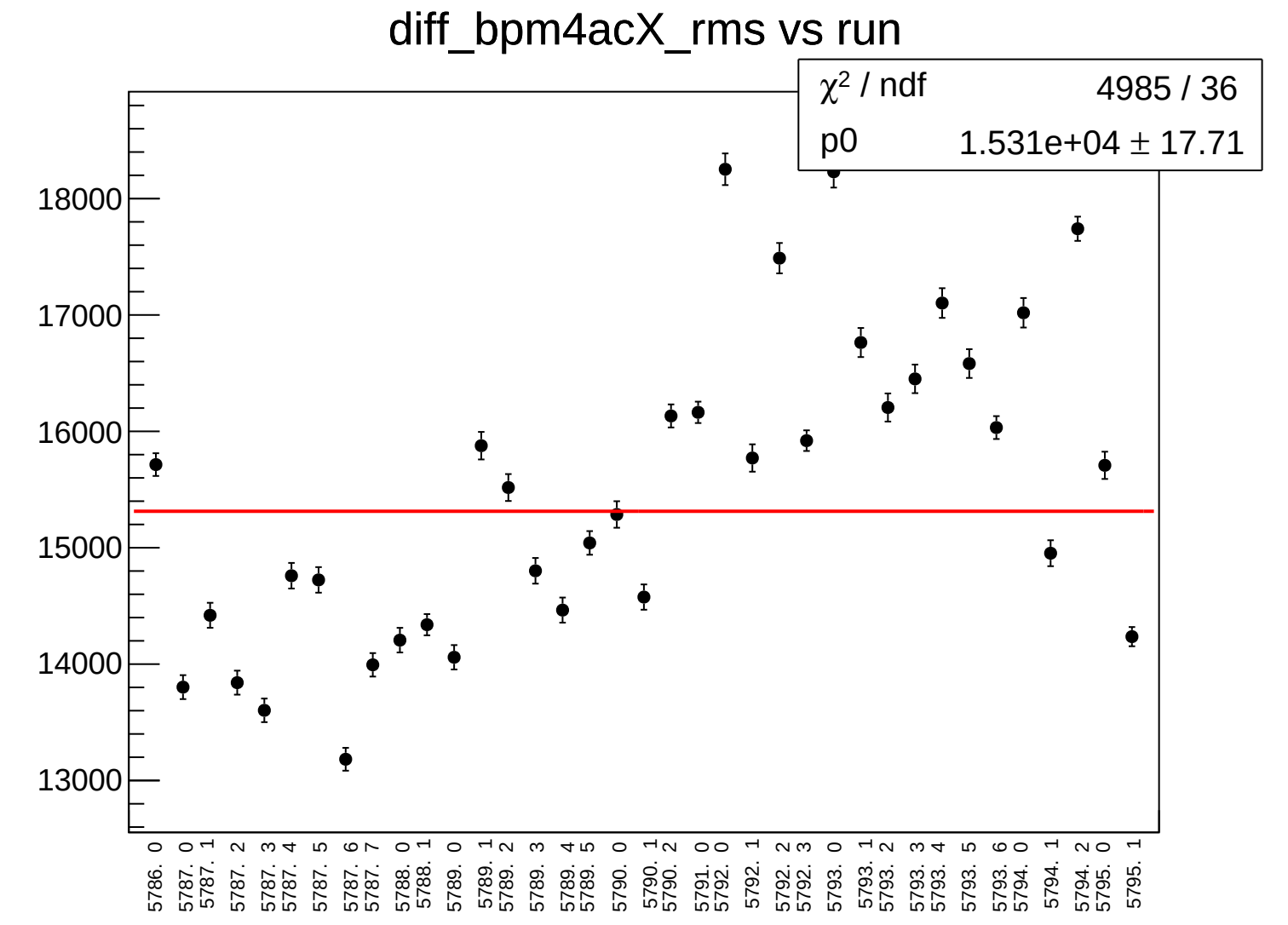

diff_bpm4eY_mean vs run
χ² / ndf 42.04 / 36
p0 −9.462 ± 16.86
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.5
Std Dev 10.63
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

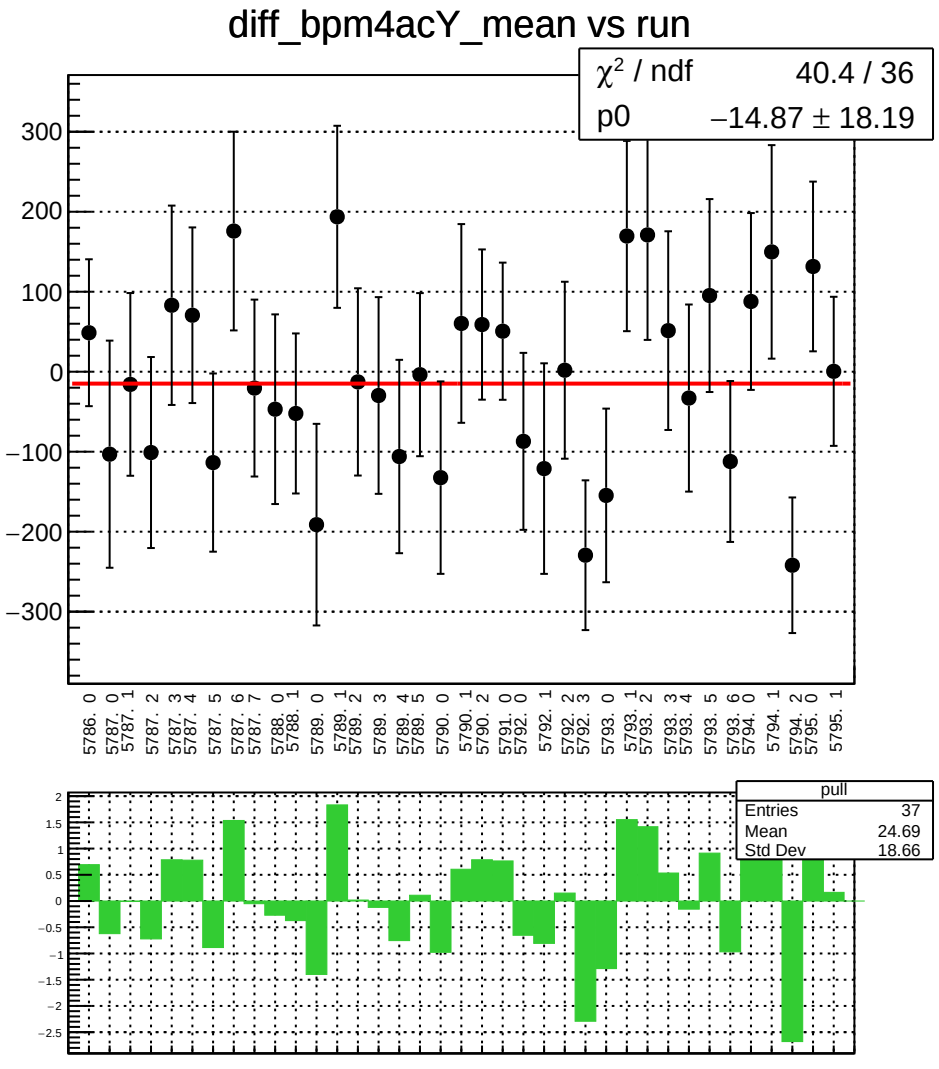

pull1D
Entries 37
Mean 0.03986
Std Dev 1.065
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

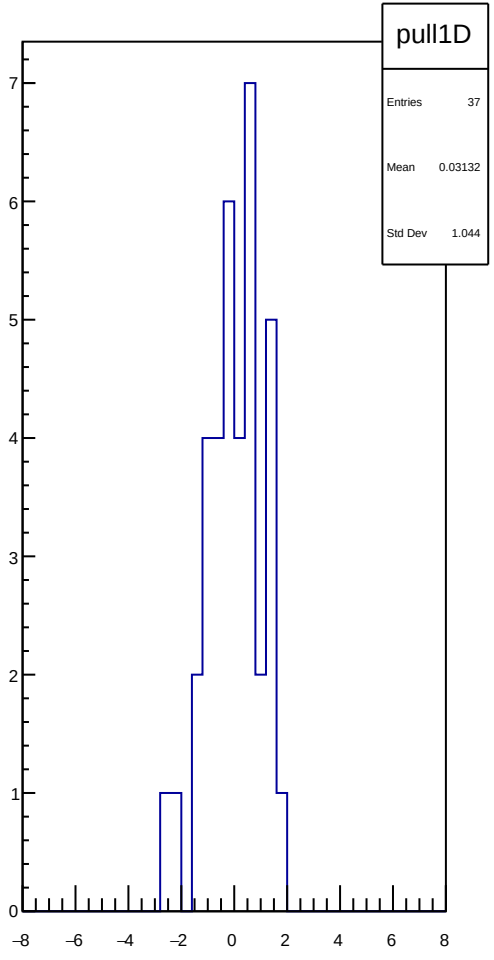

diff_bpm4eY_rms vs run
χ² / ndf 2279 / 36
p0 1.033e+04 ± 11.92
12000
11500
11000
10500
10000
9500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

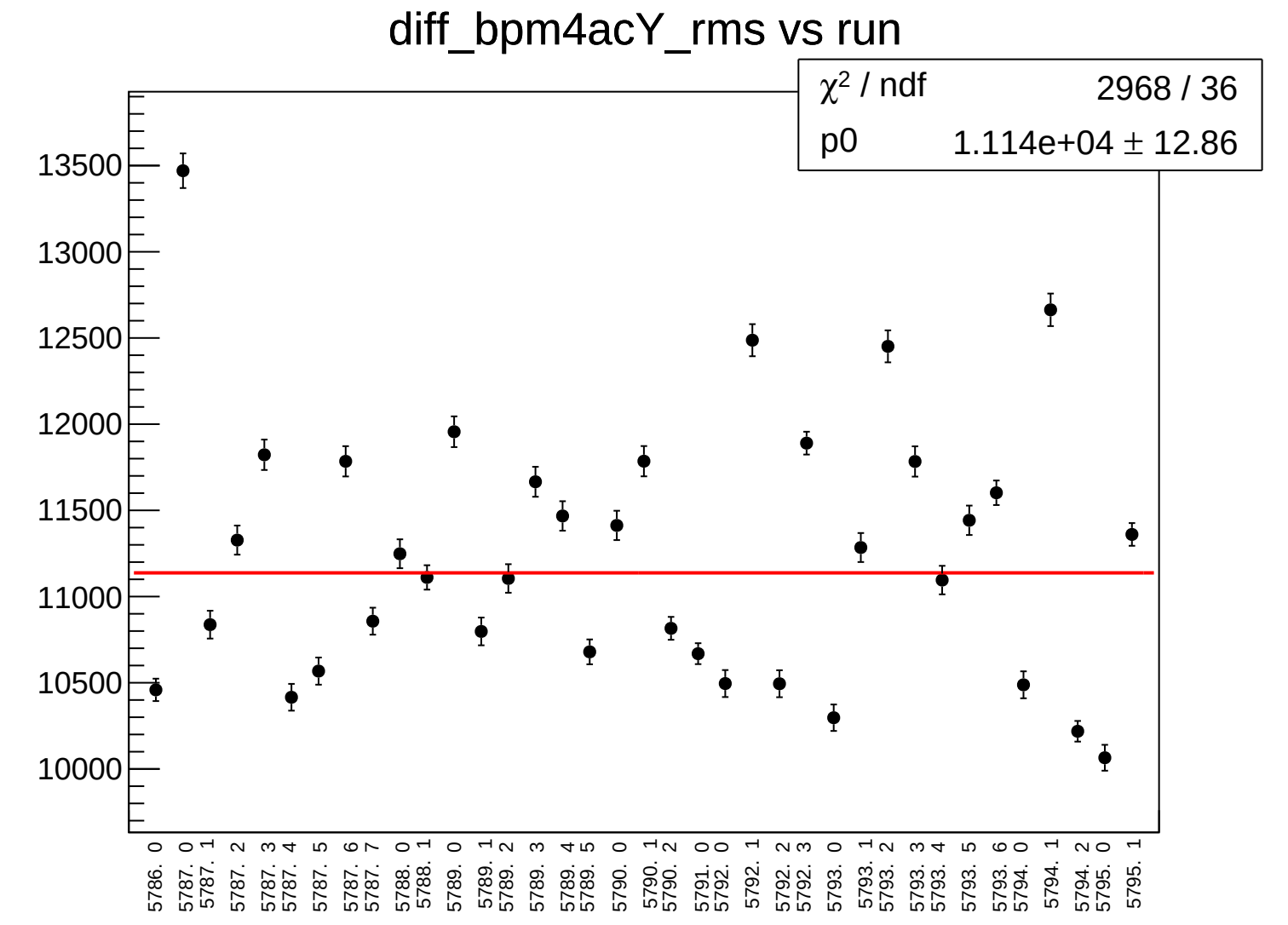

diff_bpm4acX_mean vs run
χ² / ndf 44.03 / 36
p0 47.11 ± 25.04
600
400
200
0
−200
−400
−600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 625.3
Std Dev 0
2
1
0
−1
−2

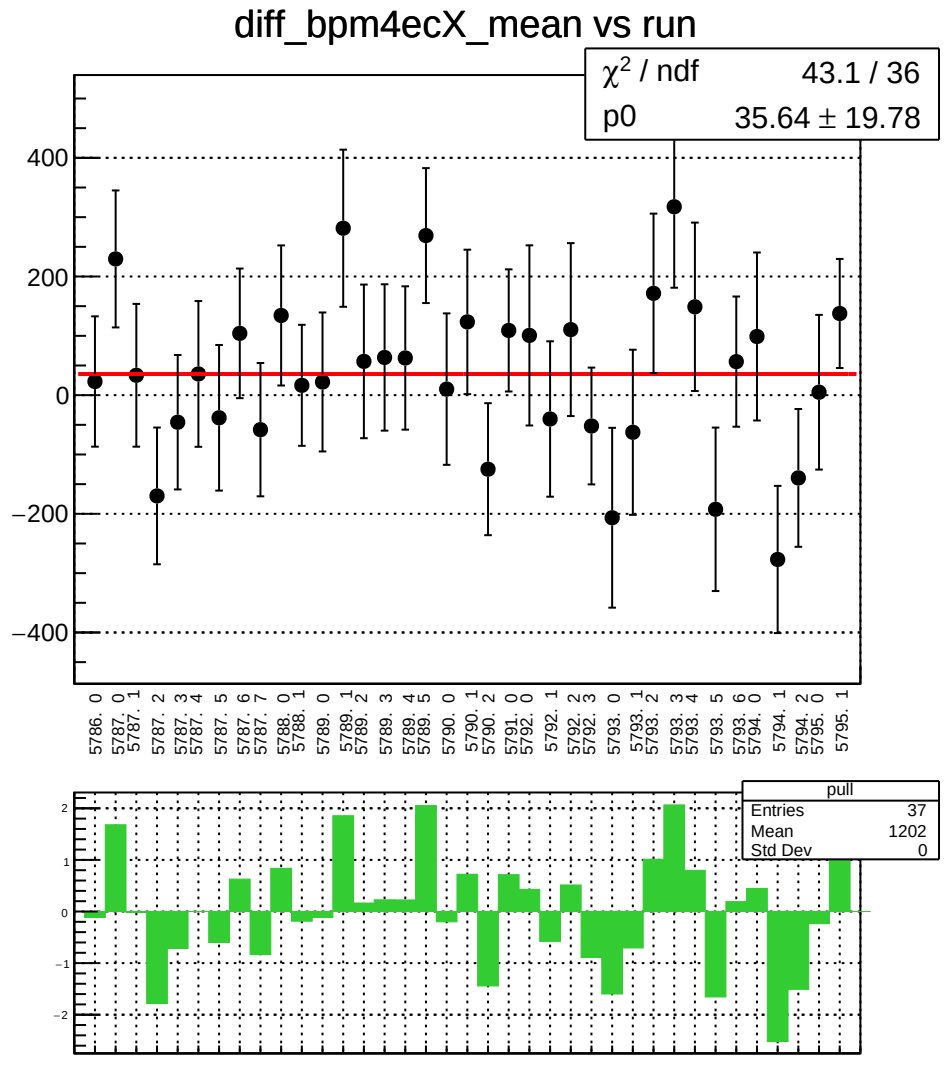

pull1D
Entries 37
Mean −0.002354
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

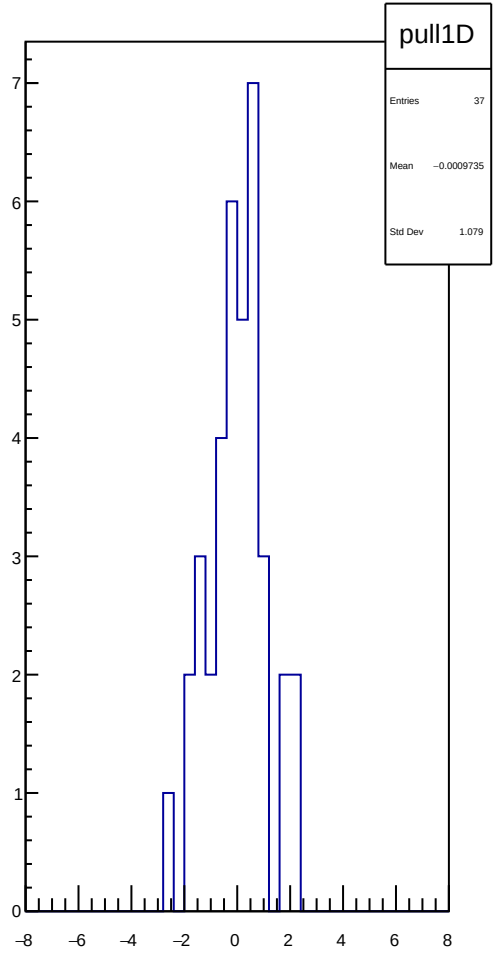

diff_bpm4acX_rms vs run
χ² / ndf 4985 / 36
p0 1.531e+04 ± 17.71
18000
17000
16000
15000
14000
13000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

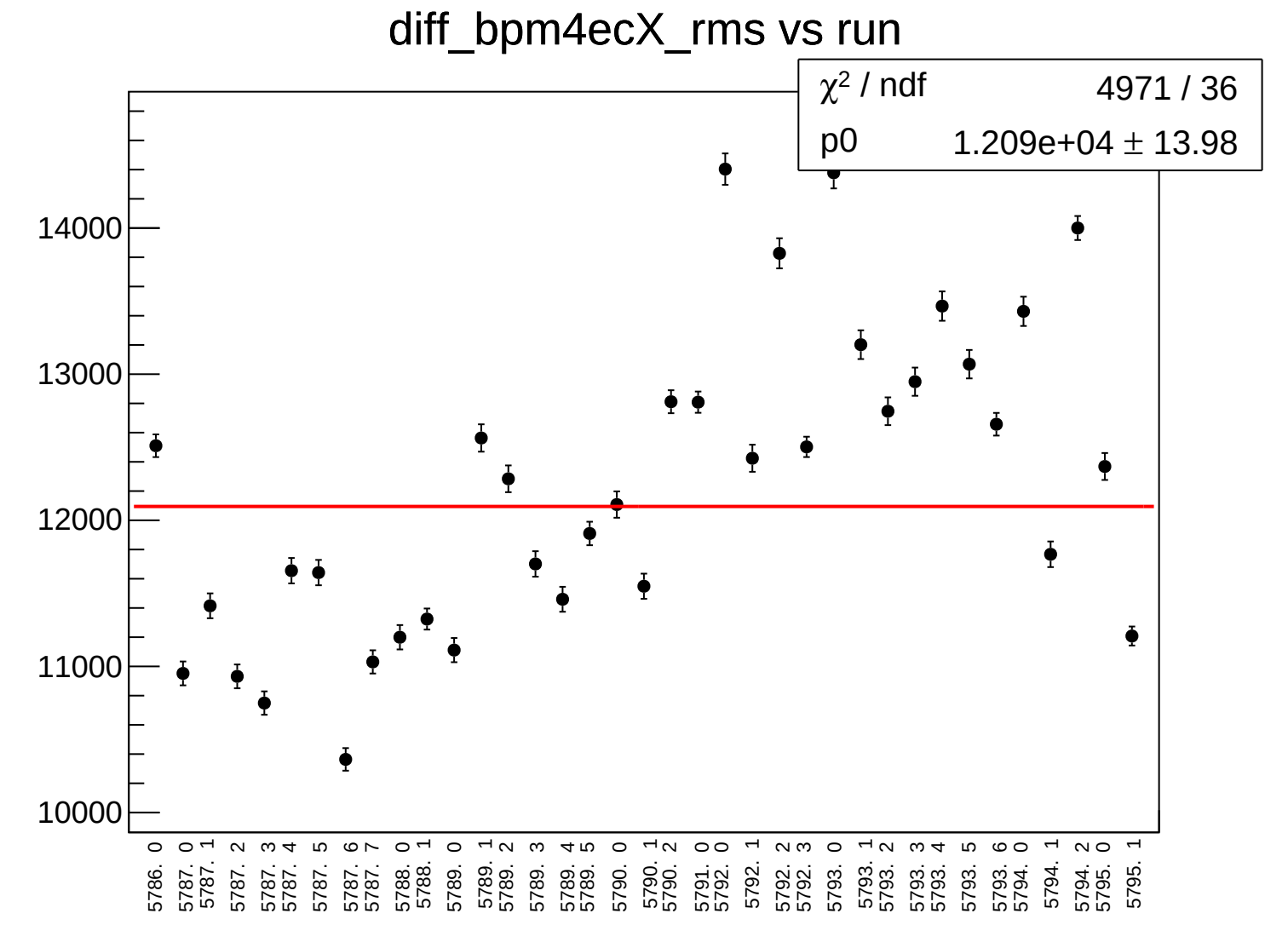

diff_bpm4acY_mean vs run
χ² / ndf 40.4 / 36
p0 −14.87 ± 18.19
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.69
Std Dev 18.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

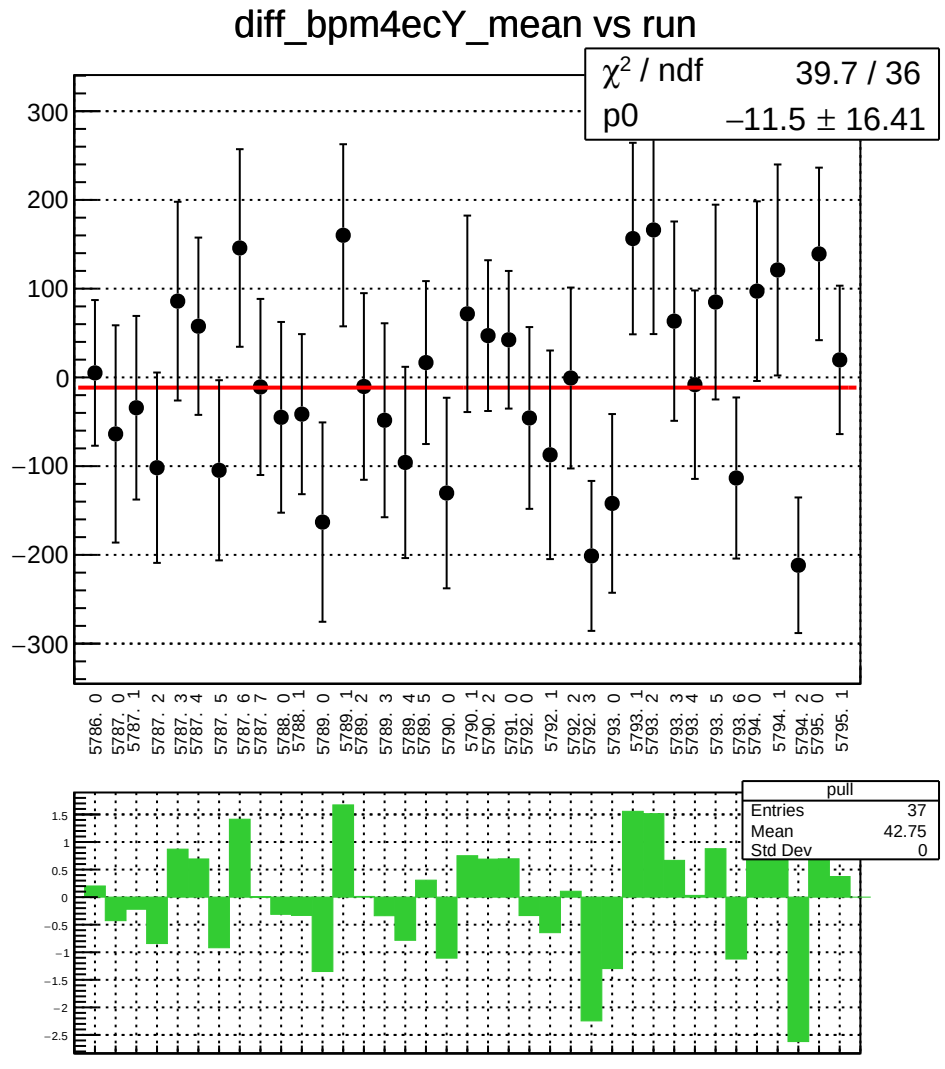

pull1D
Entries 37
Mean 0.03132
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

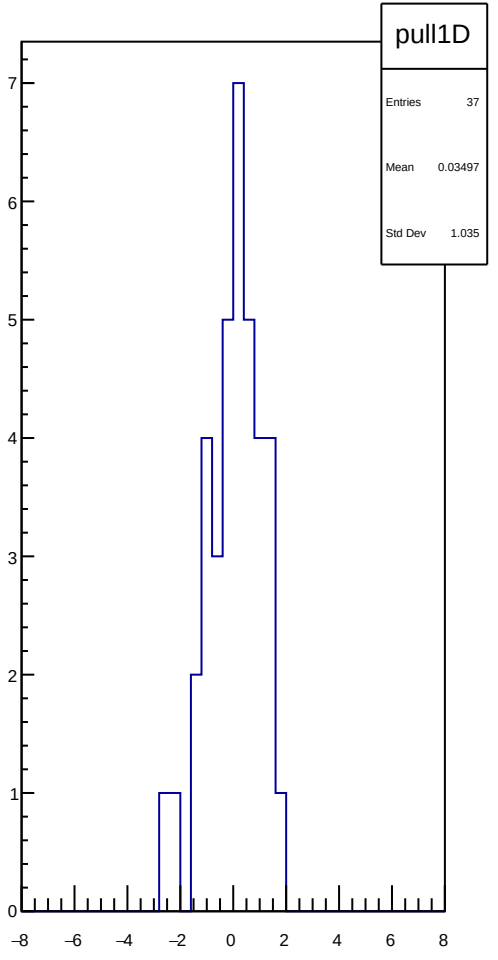

diff_bpm4acY_rms vs run
χ² / ndf 2968 / 36
p0 1.114e+04 ± 12.86
13500
13000
12500
12000
11500
11000
10500
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

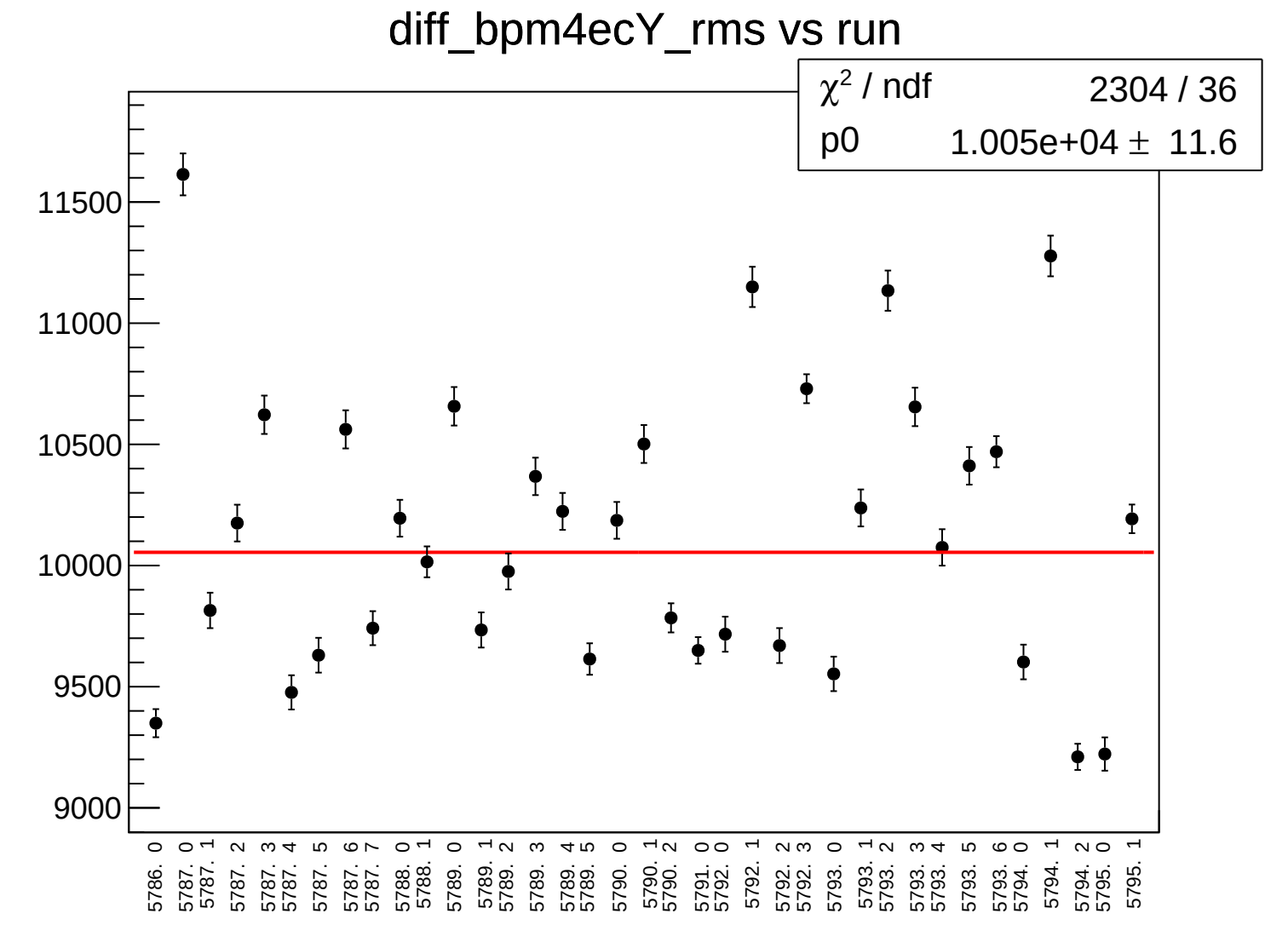

diff_bpm4ecX_mean vs run
χ² / ndf 43.1 / 36
p0 35.64 ± 19.78
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1202
Std Dev 0
2
1
0
−1
−2

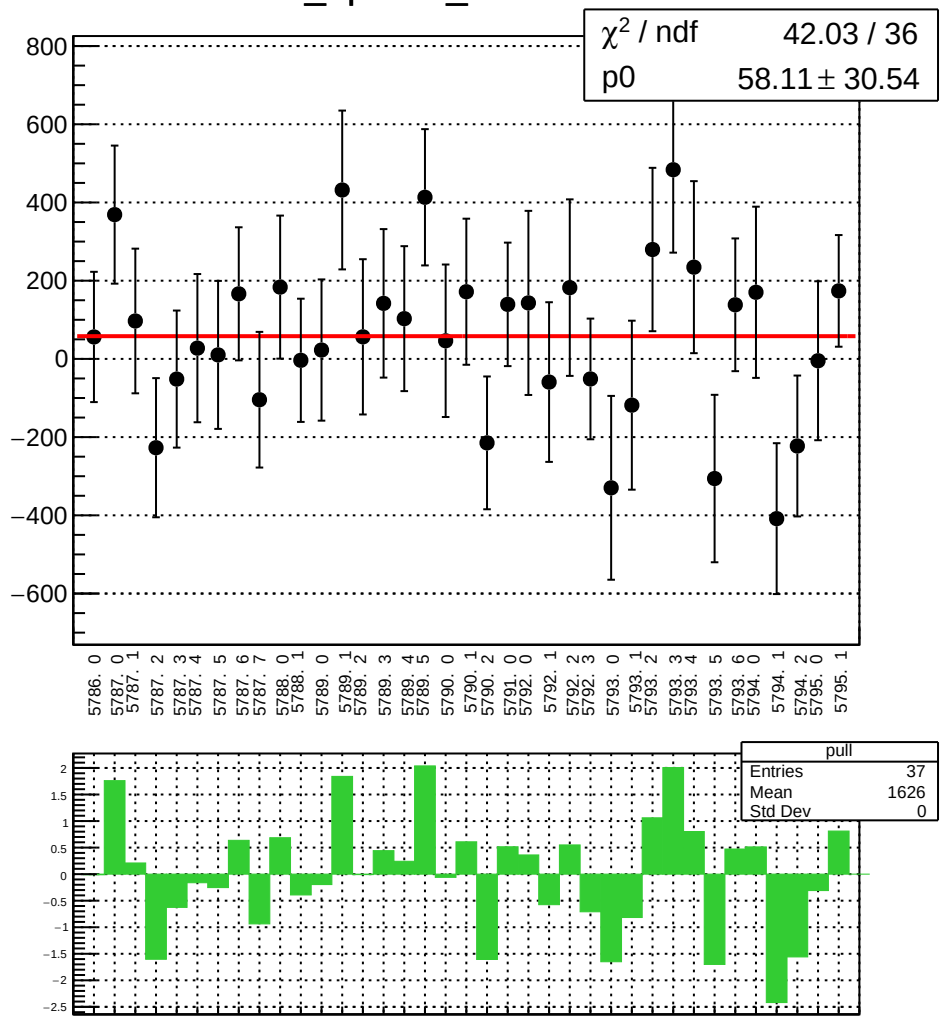

pull1D
Entries 37
Mean −0.0009735
Std Dev 1.079
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

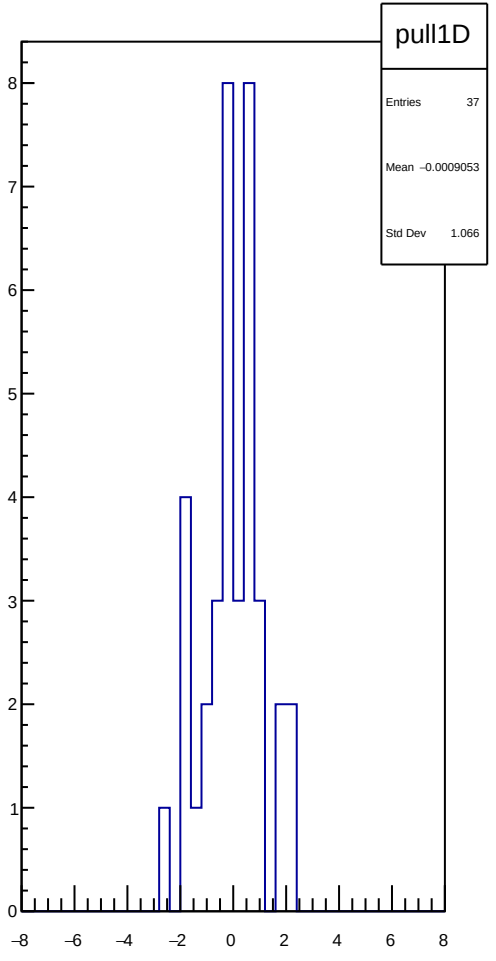

diff_bpm4ecX_rms vs run
χ² / ndf 4971 / 36
p0 1.209e+04 ± 13.98
14000
13000
12000
11000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

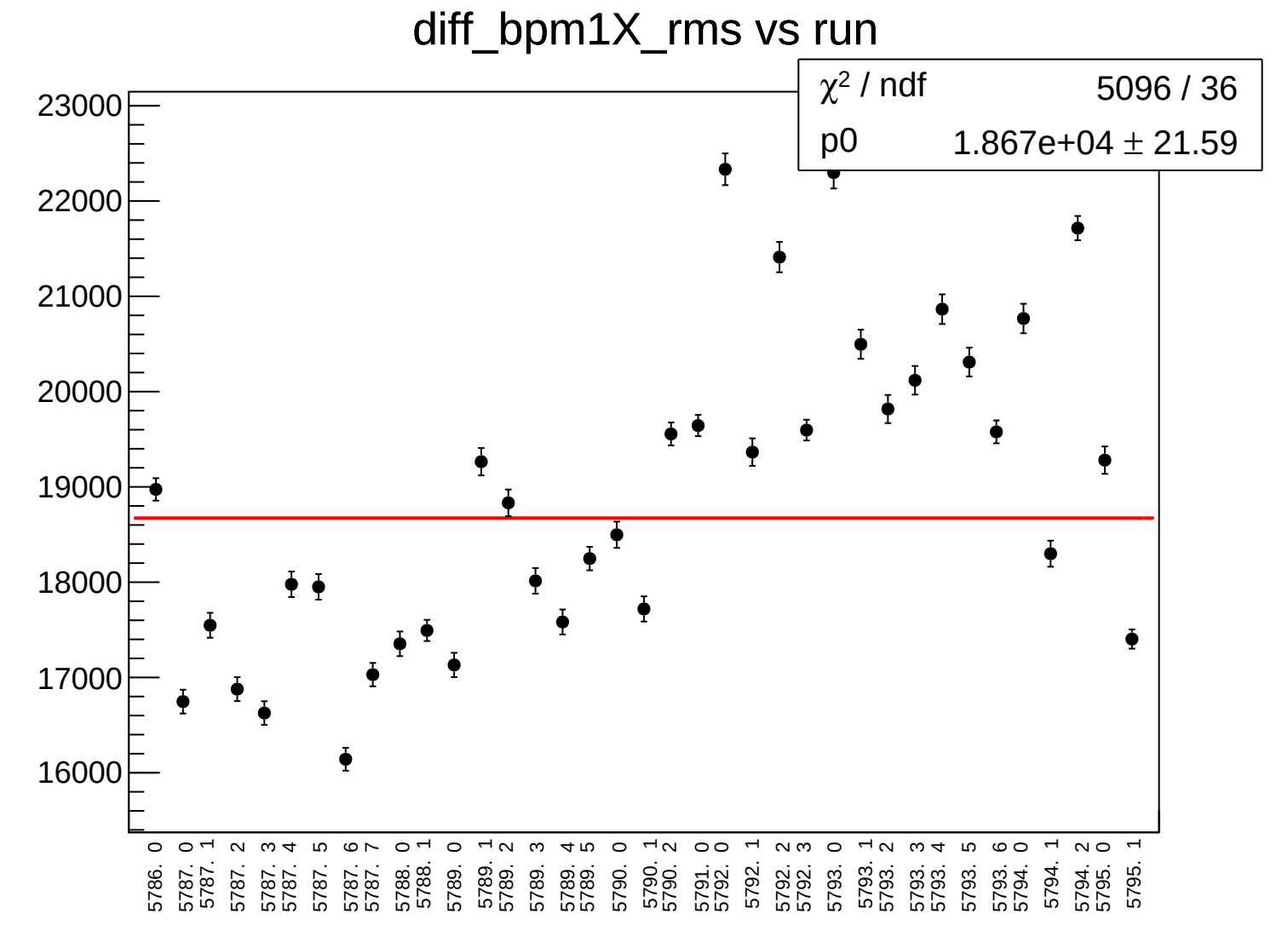

diff_bpm4ecY_mean vs run
χ² / ndf 39.7 / 36
p0 −11.5 ± 16.41
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 42.75
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

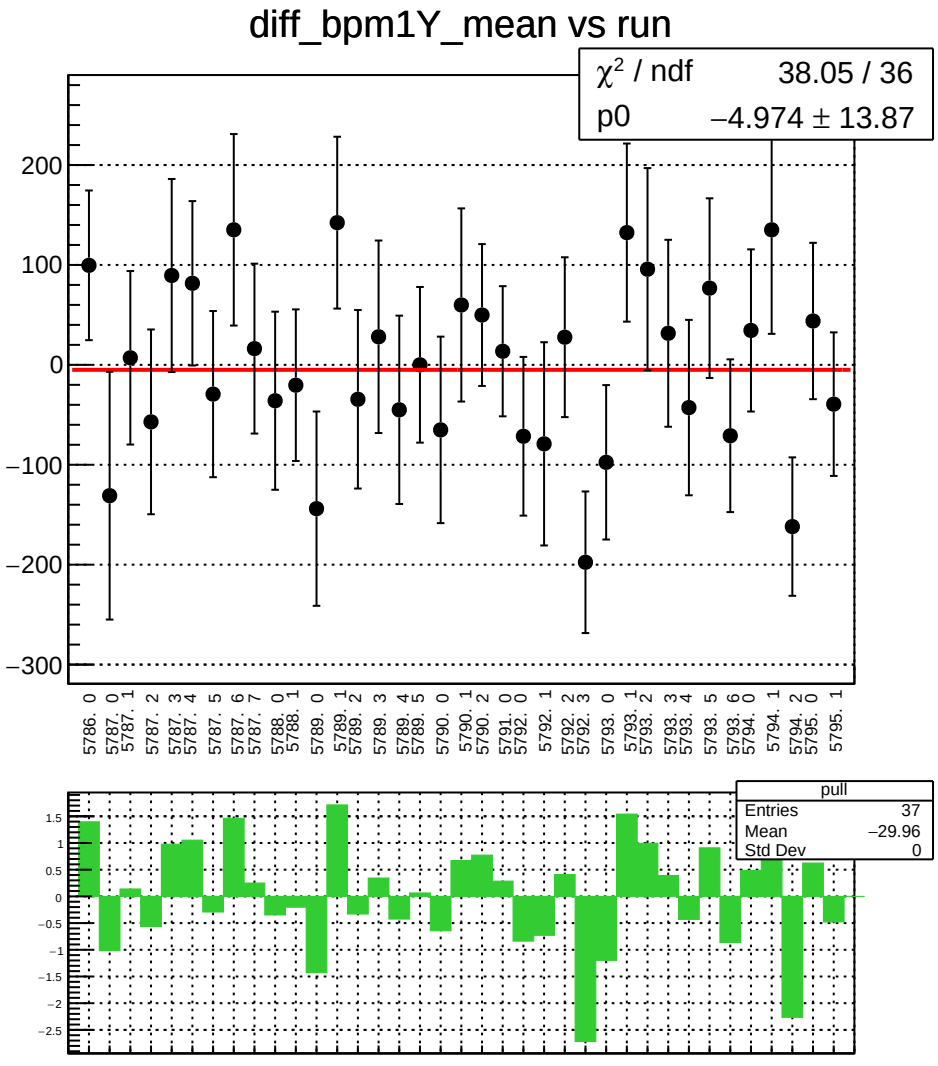

pull1D
Entries 37
Mean 0.03497
Std Dev 1.035
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

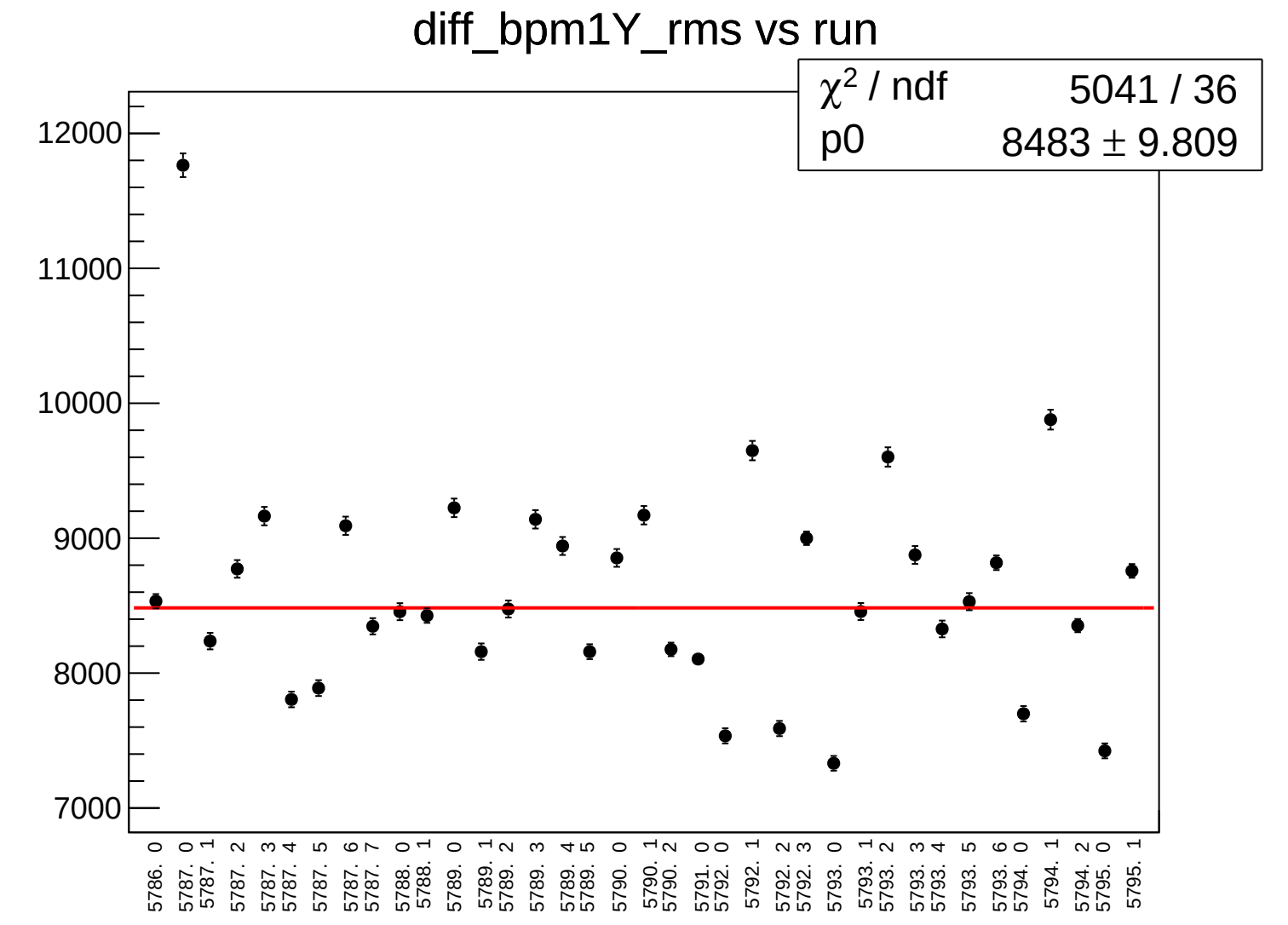

diff_bpm4ecY_rms vs run
χ² / ndf 2304 / 36
p0 1.005e+04 ± 11.6
11500
11000
10500
10000
9500
9000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

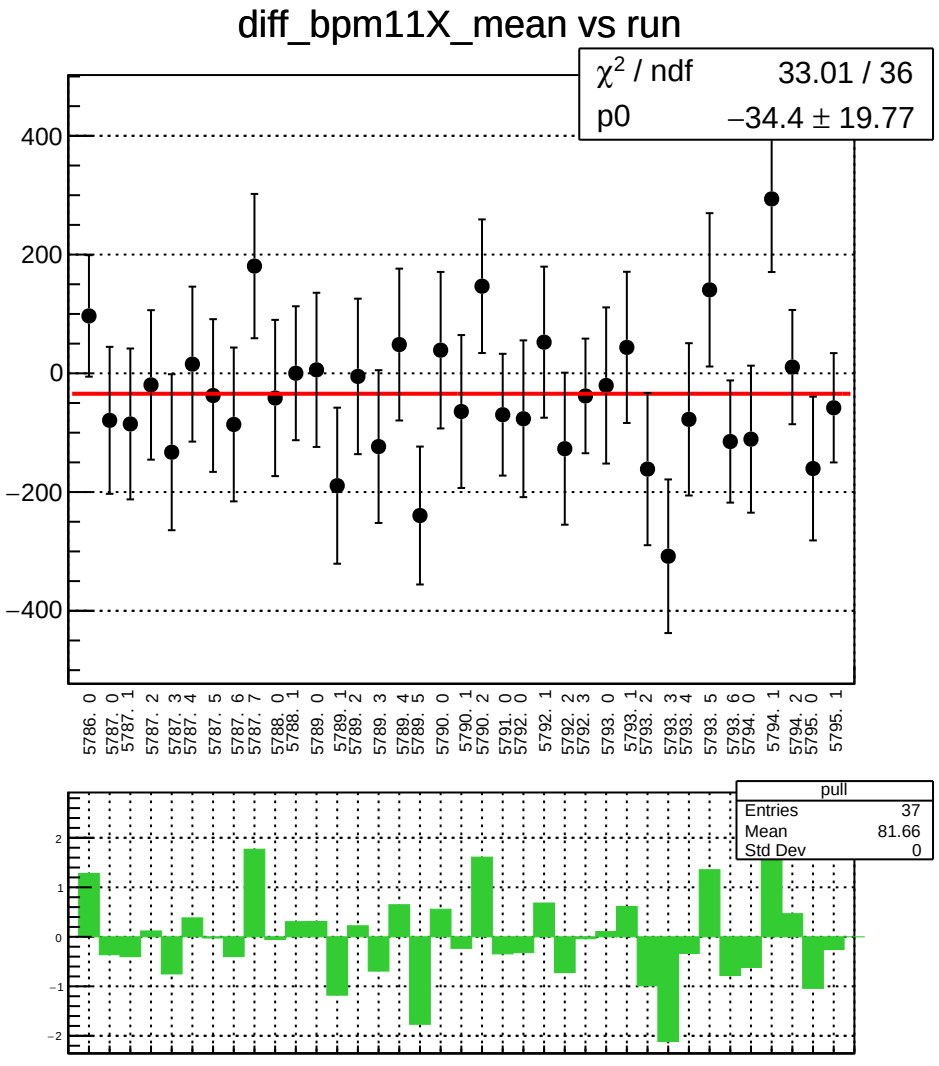

diff_bpm1X_mean vs run
χ^2 / ndf 42.03 / 36
p0 58.11 ± 30.54
pull
Entries 37
Mean 1626
Std Dev 0

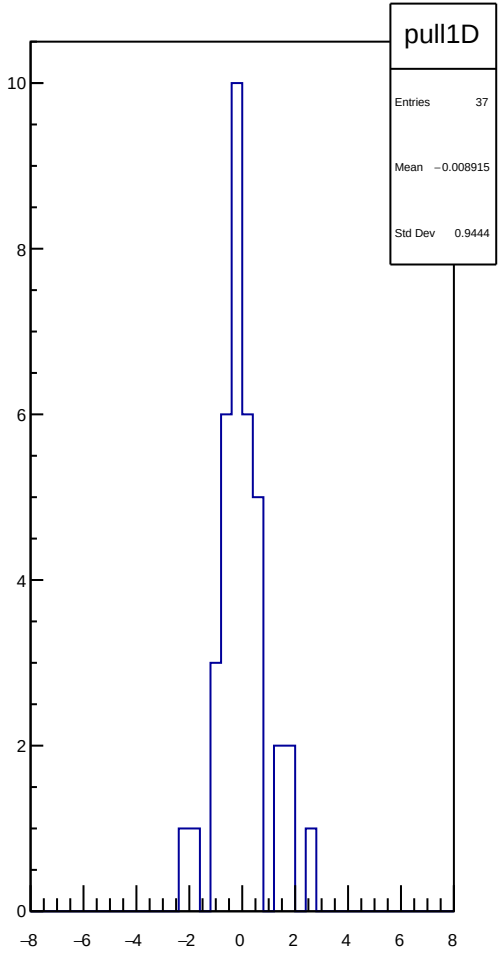

pull1D
Entries 37
Mean −0.0009053
Std Dev 1.066

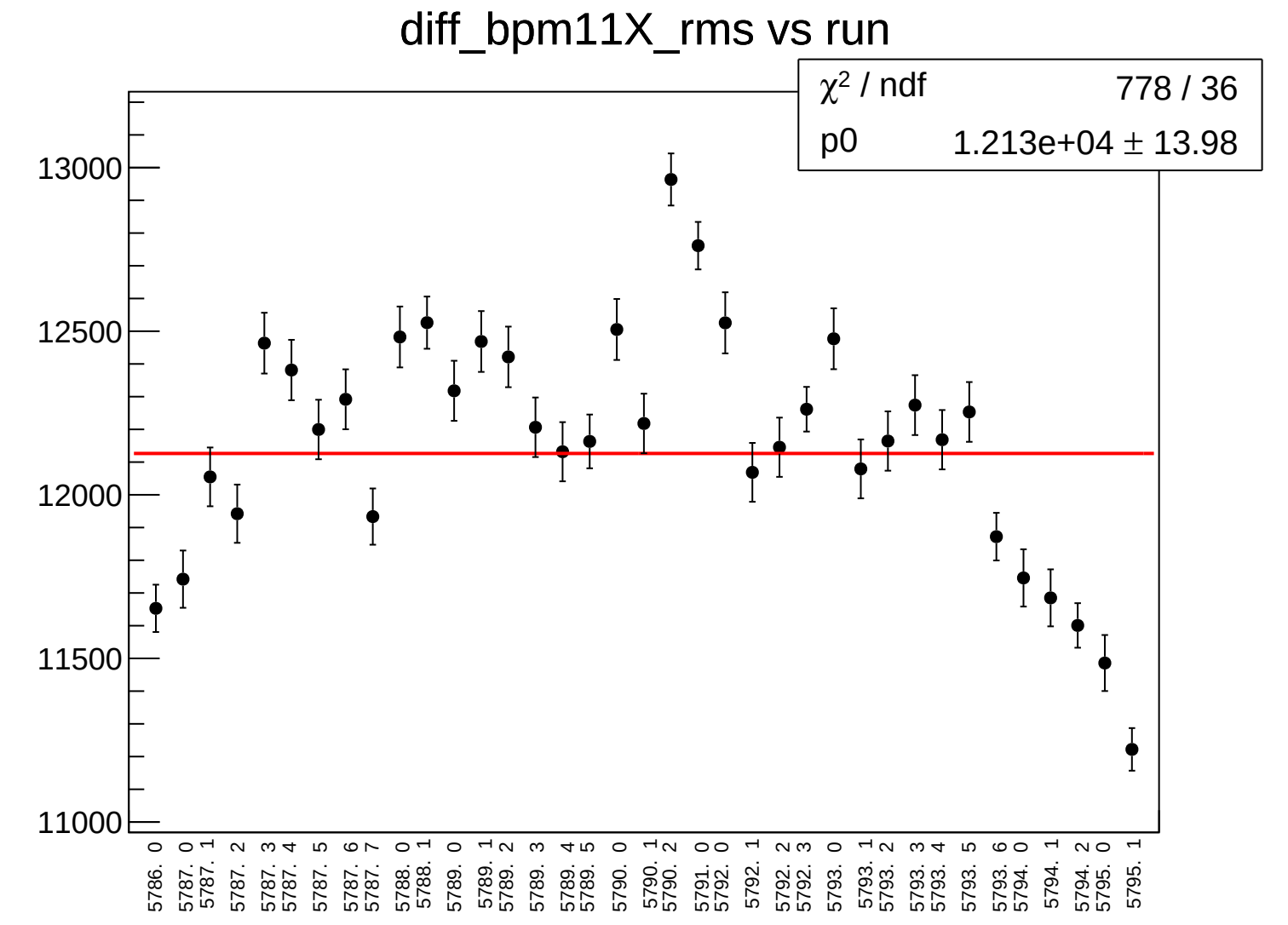

diff_bpm1X_rms vs run
χ² / ndf 5096 / 36
p0 1.867e+04 ± 21.59
23000
22000
21000
20000
19000
18000
17000
16000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

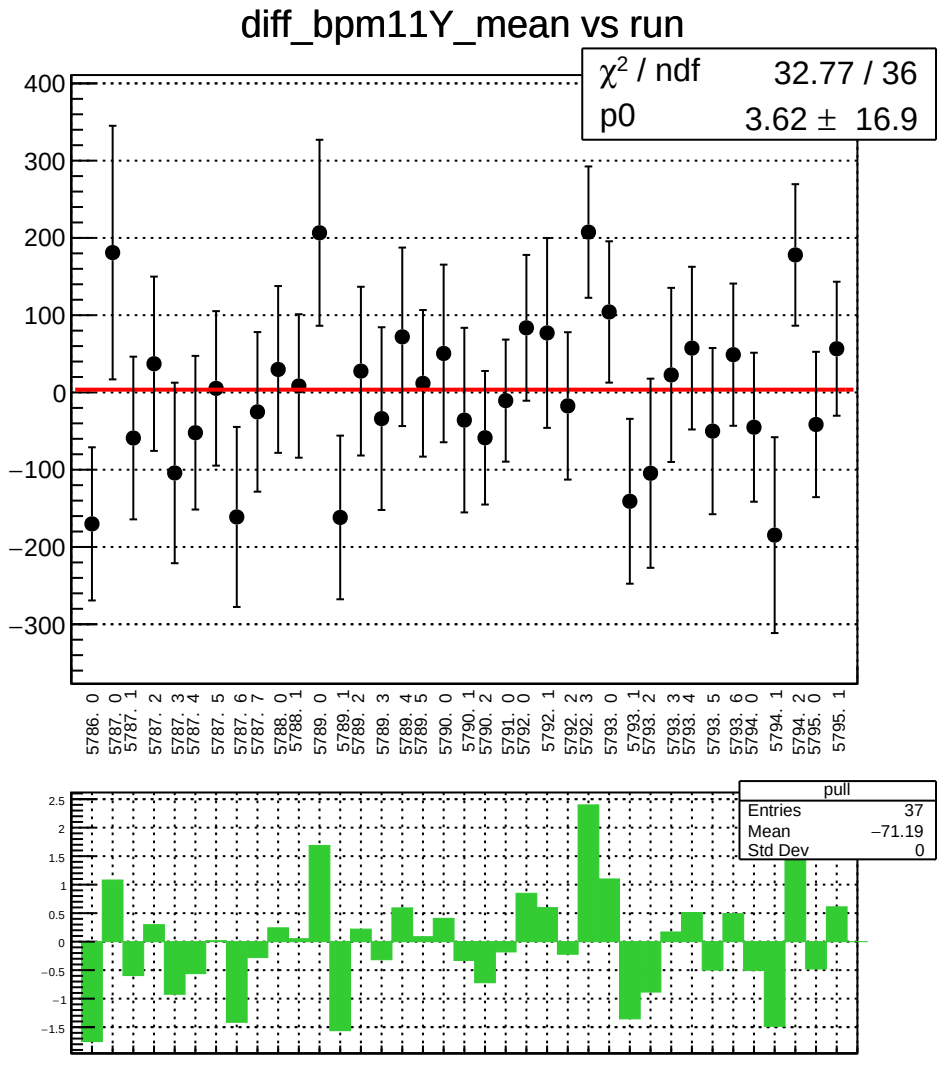

diff_bpm1Y_mean vs run
χ² / ndf 38.05 / 36
p0 −4.974 ± 13.87
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −29.96
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.02865
Std Dev 1.014
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

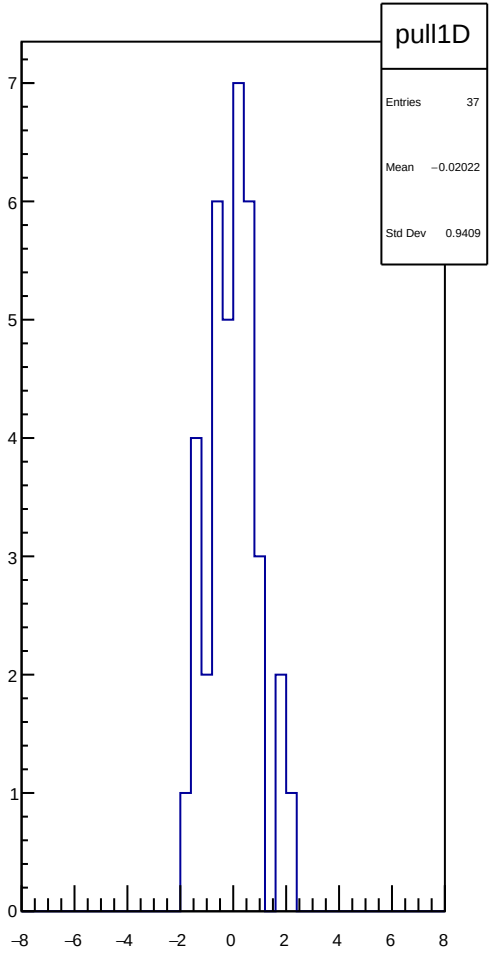

diff_bpm1Y_rms vs run
χ² / ndf 5041 / 36
p0 8483 ± 9.809
12000
11000
10000
9000
8000
7000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

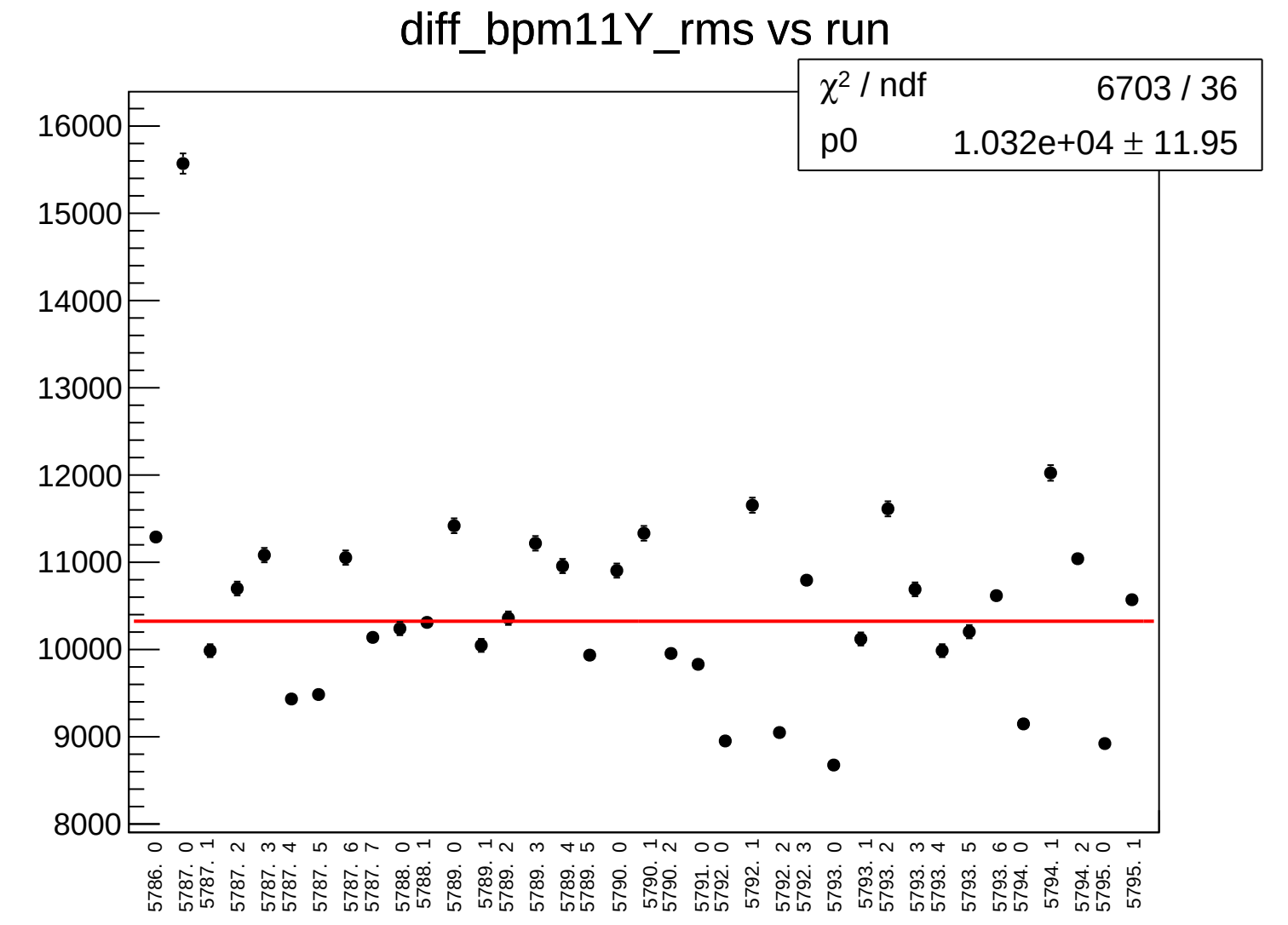

diff_bpm11X_mean vs run
χ² / ndf 33.01 / 36
p0 −34.4 ± 19.77
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 81.66
Std Dev 0
2
1
0
−1
−2

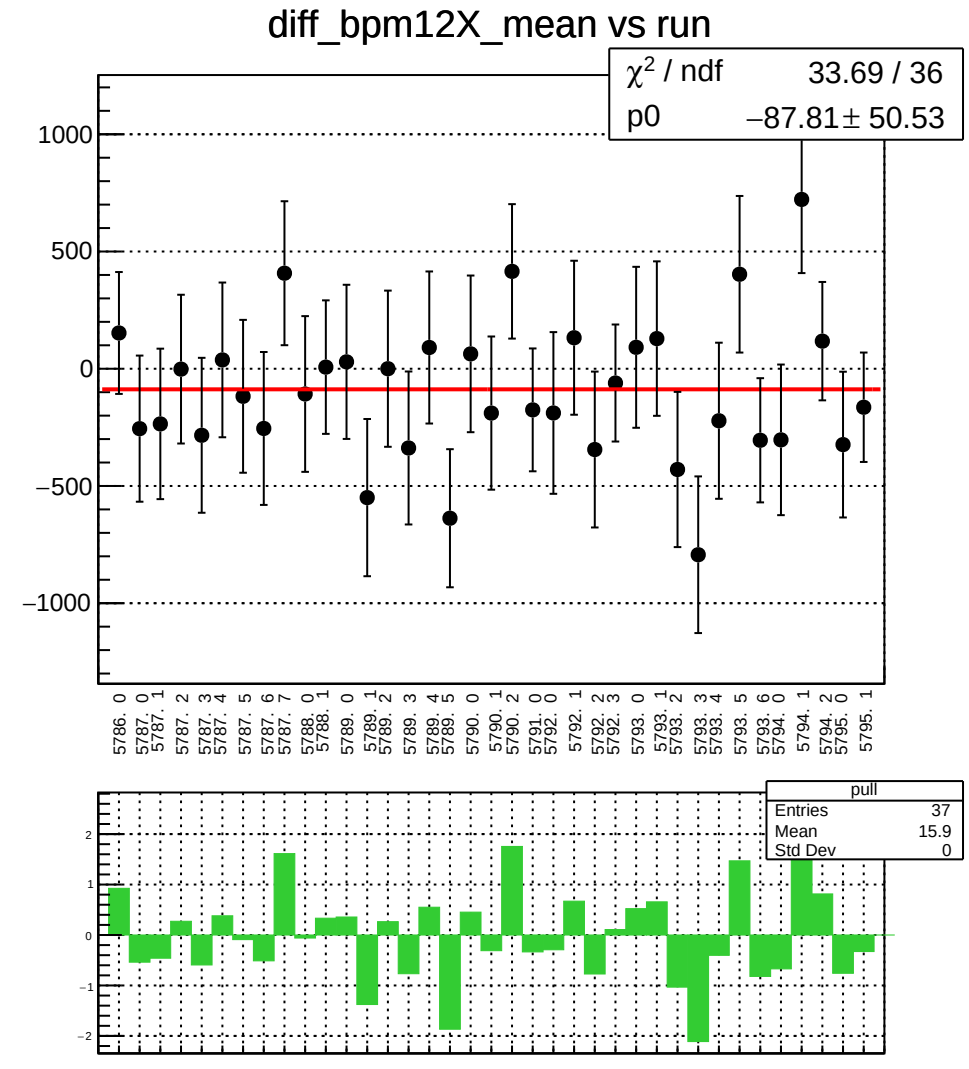

pull1D
Entries 37
Mean −0.008915
Std Dev 0.9444
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

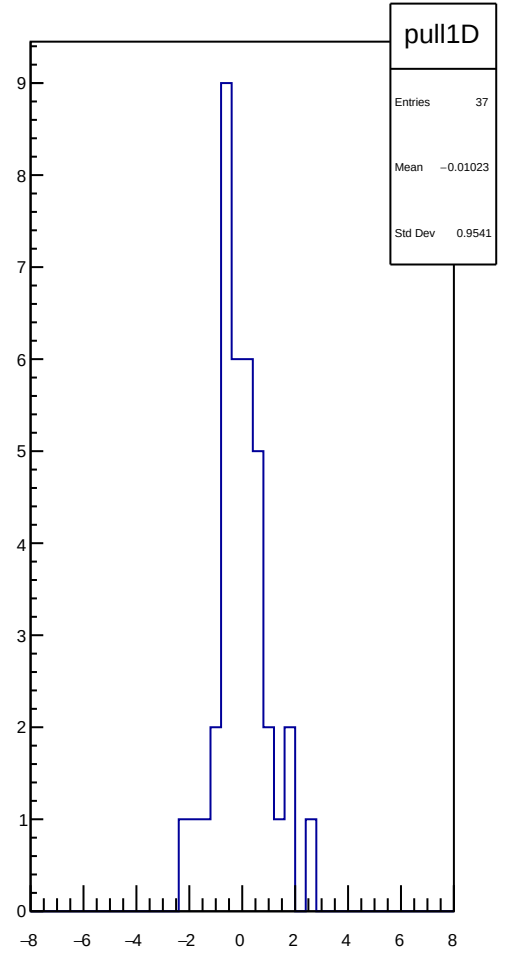

diff_bpm11X_rms vs run
χ² / ndf 778 / 36
p0 1.213e+04 ± 13.98
13000
12500
12000
11500
11000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

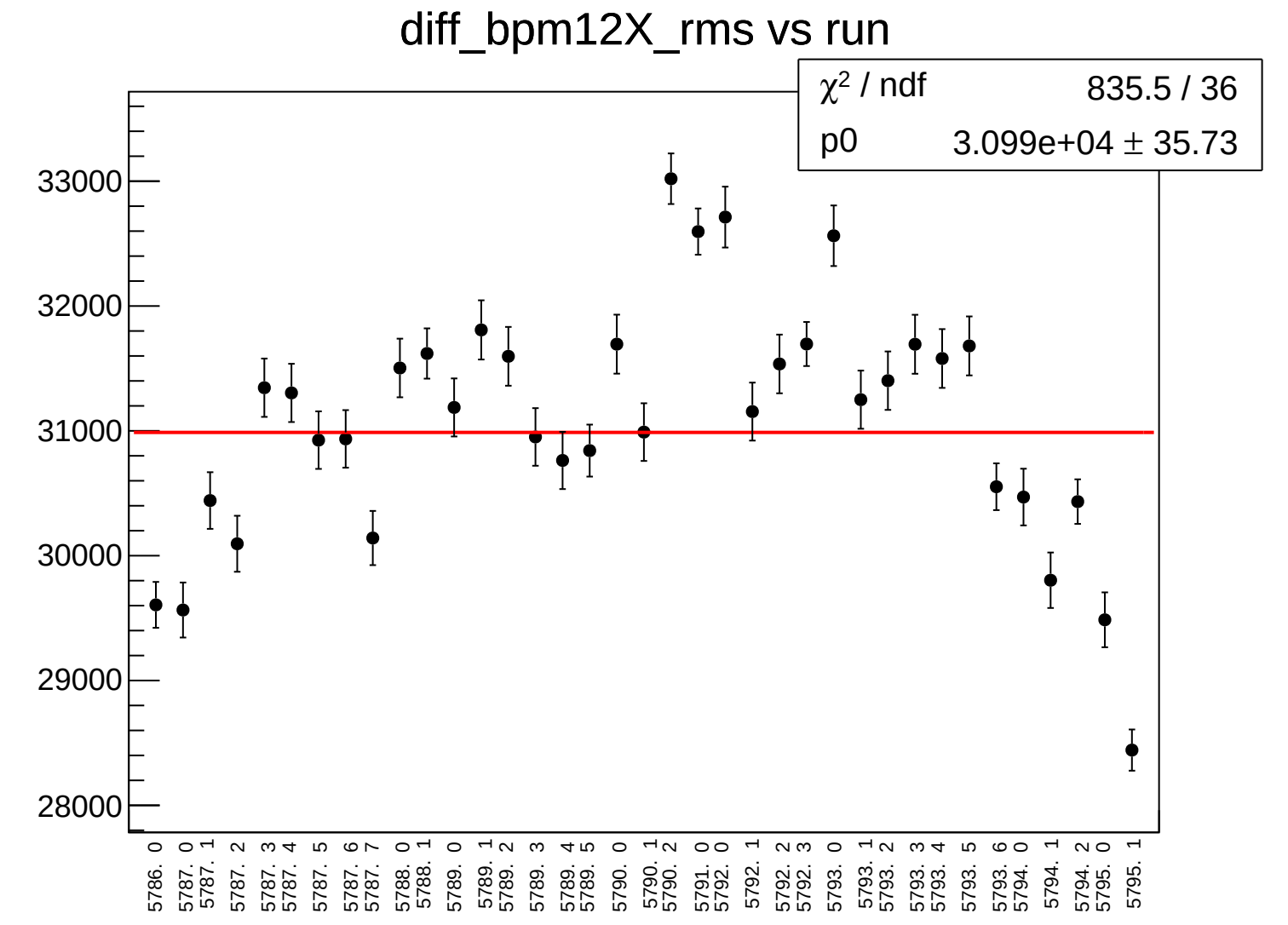

diff_bpm11Y_mean vs run
χ² / ndf 32.77 / 36
p0 3.62 ± 16.9
400
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −71.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

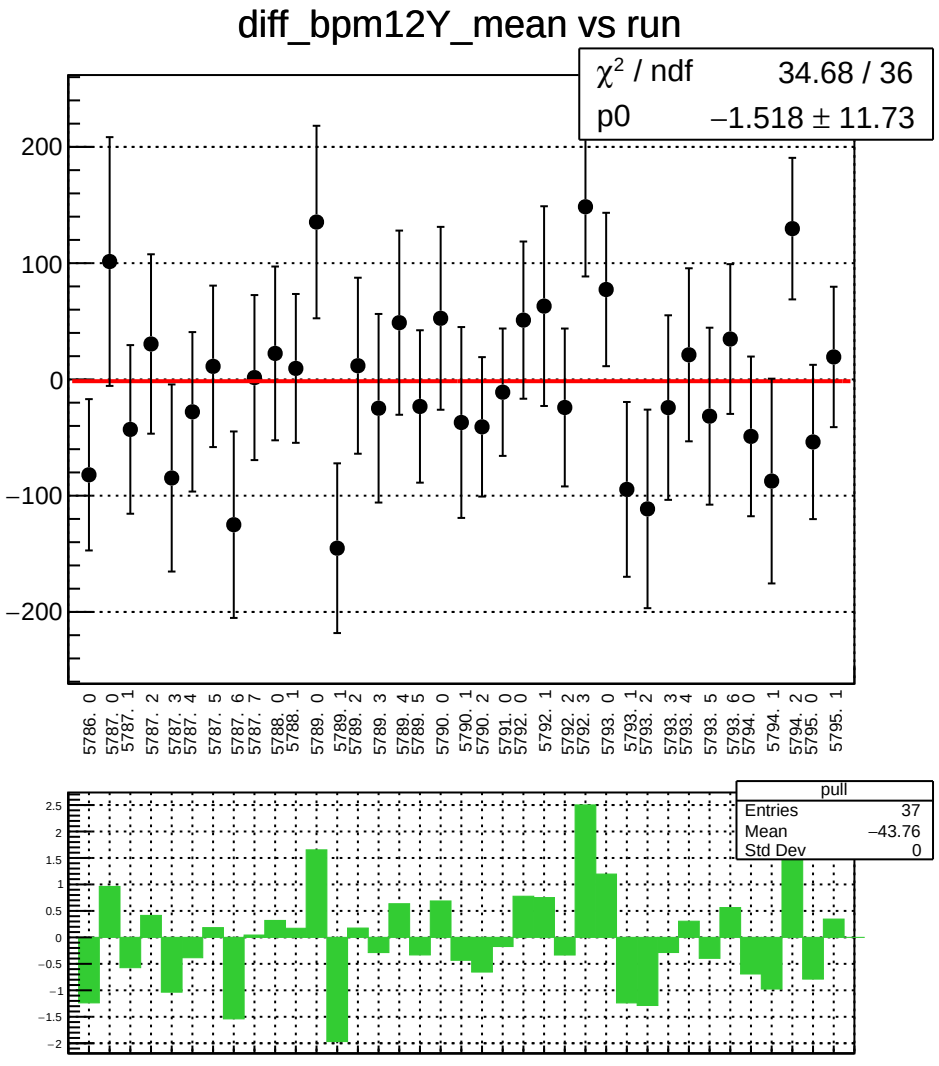

pull1D
Entries 37
Mean −0.02022
Std Dev 0.9409
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

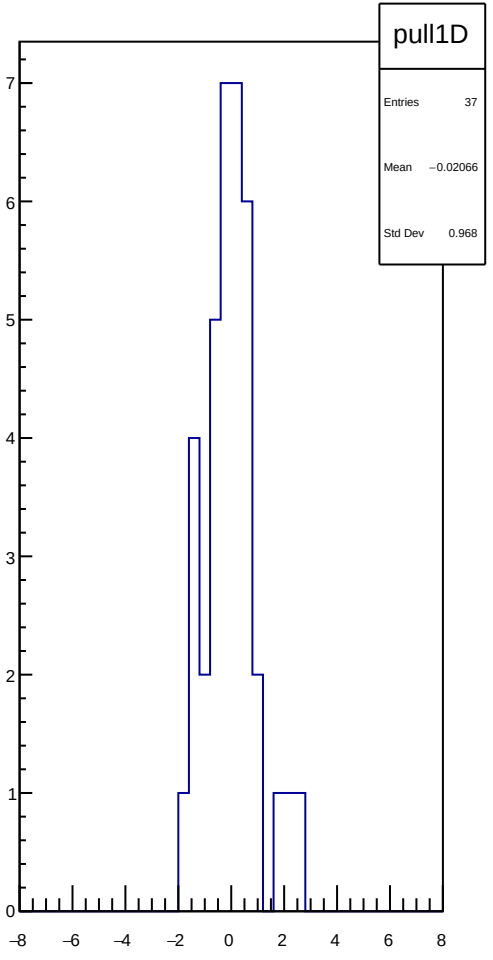

diff_bpm11Y_rms vs run
χ² / ndf 6703 / 36
p0 1.032e+04 ± 11.95
16000
15000
14000
13000
12000
11000
10000
9000
8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

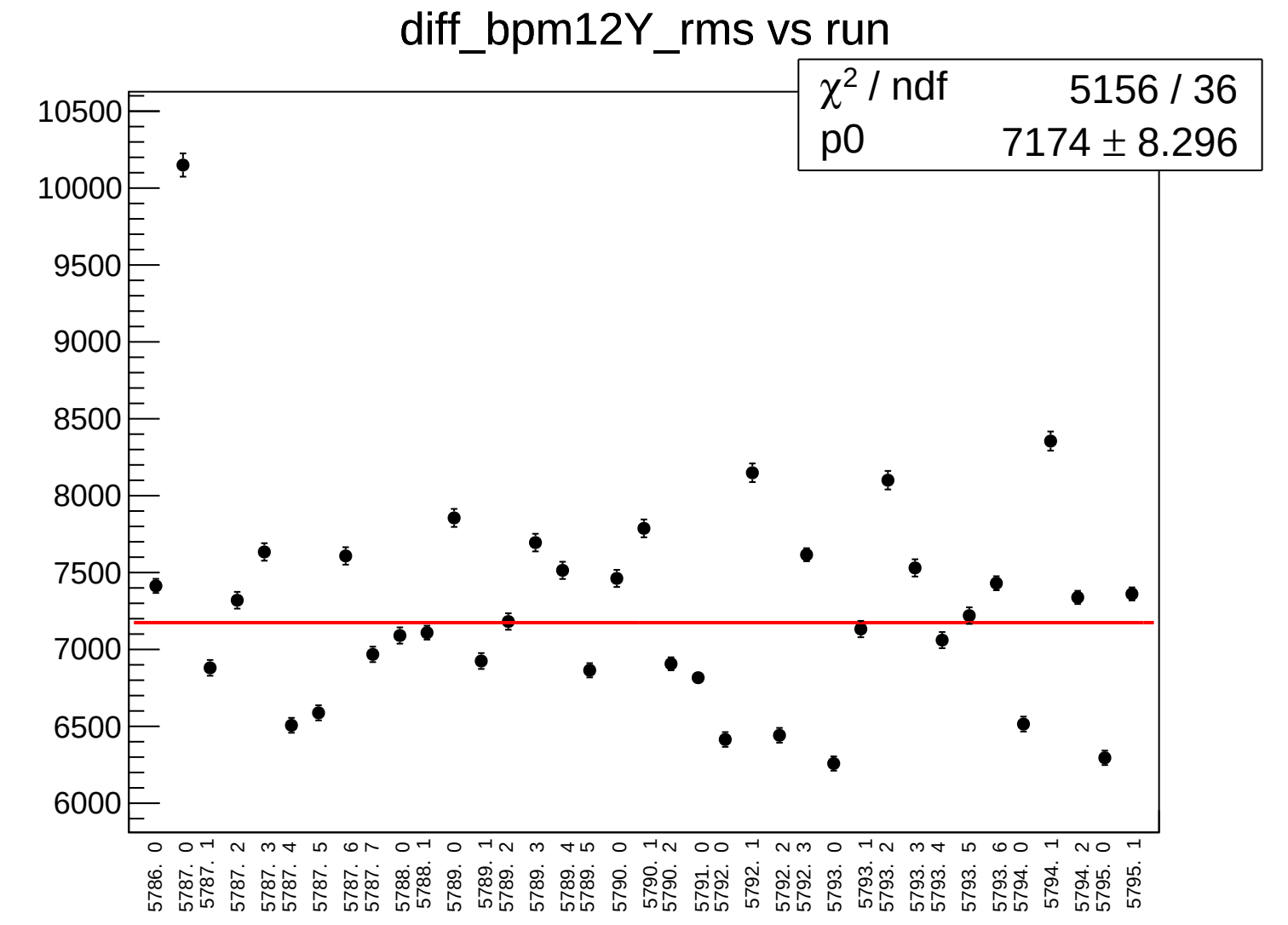

diff_bpm12X_mean vs run
χ² / ndf 33.69 / 36
p0 −87.81 ± 50.53
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.9
Std Dev 0
2
1
0
−1
−2

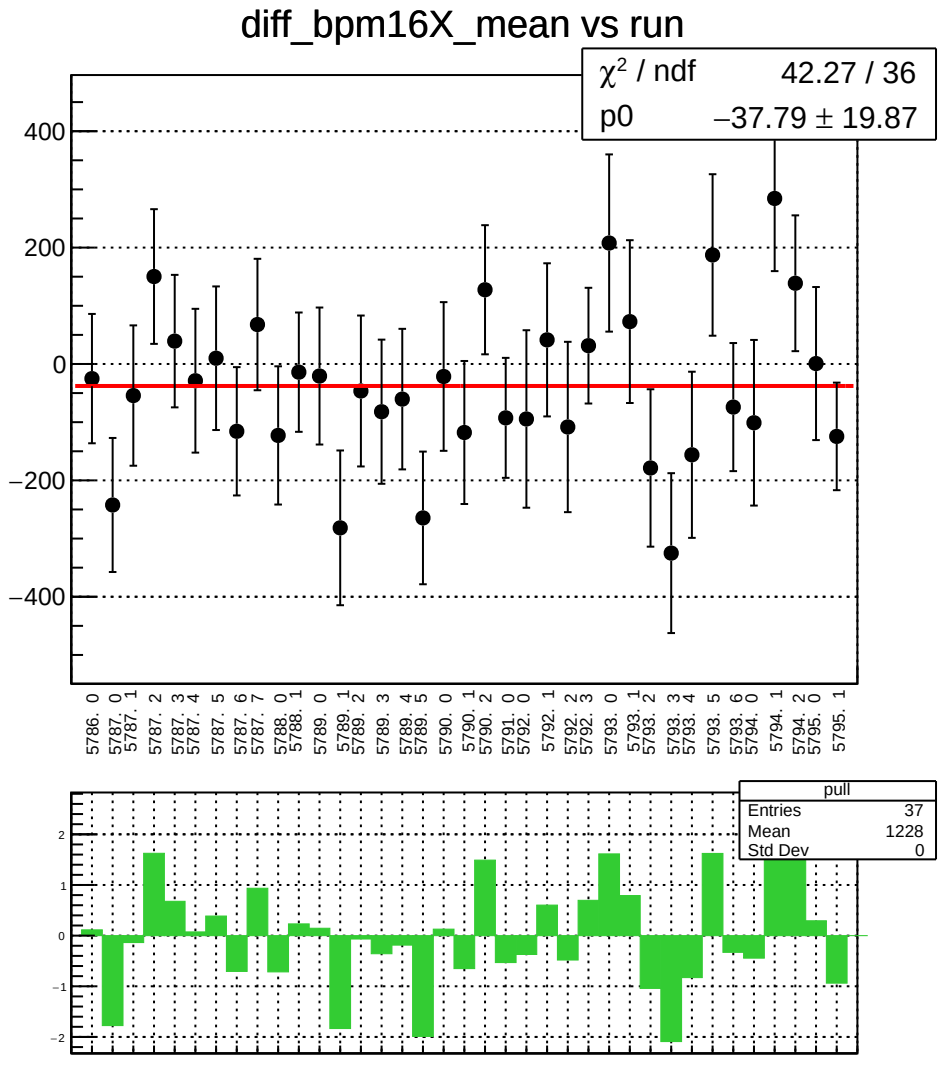

pull1D
Entries 37
Mean −0.01023
Std Dev 0.9541
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

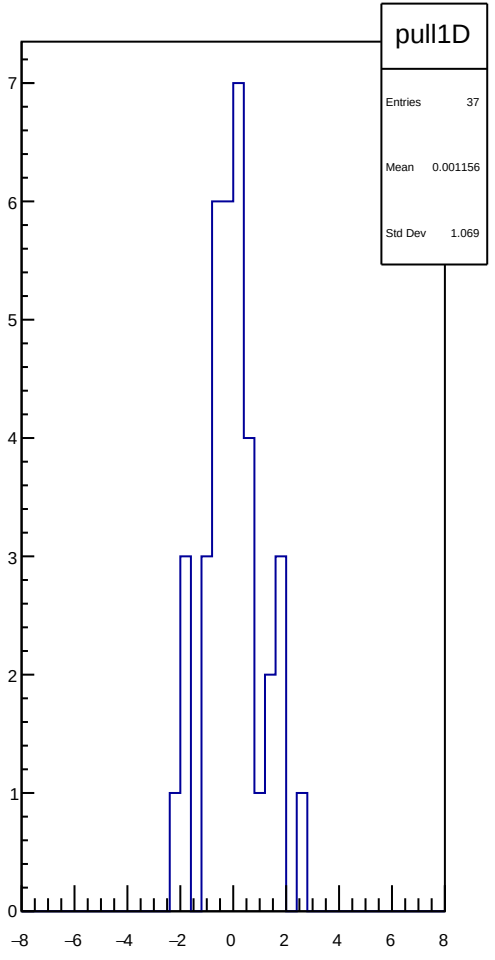

diff_bpm12X_rms vs run
χ² / ndf 835.5 / 36
p0 3.099e+04 ± 35.73
33000
32000
31000
30000
29000
28000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

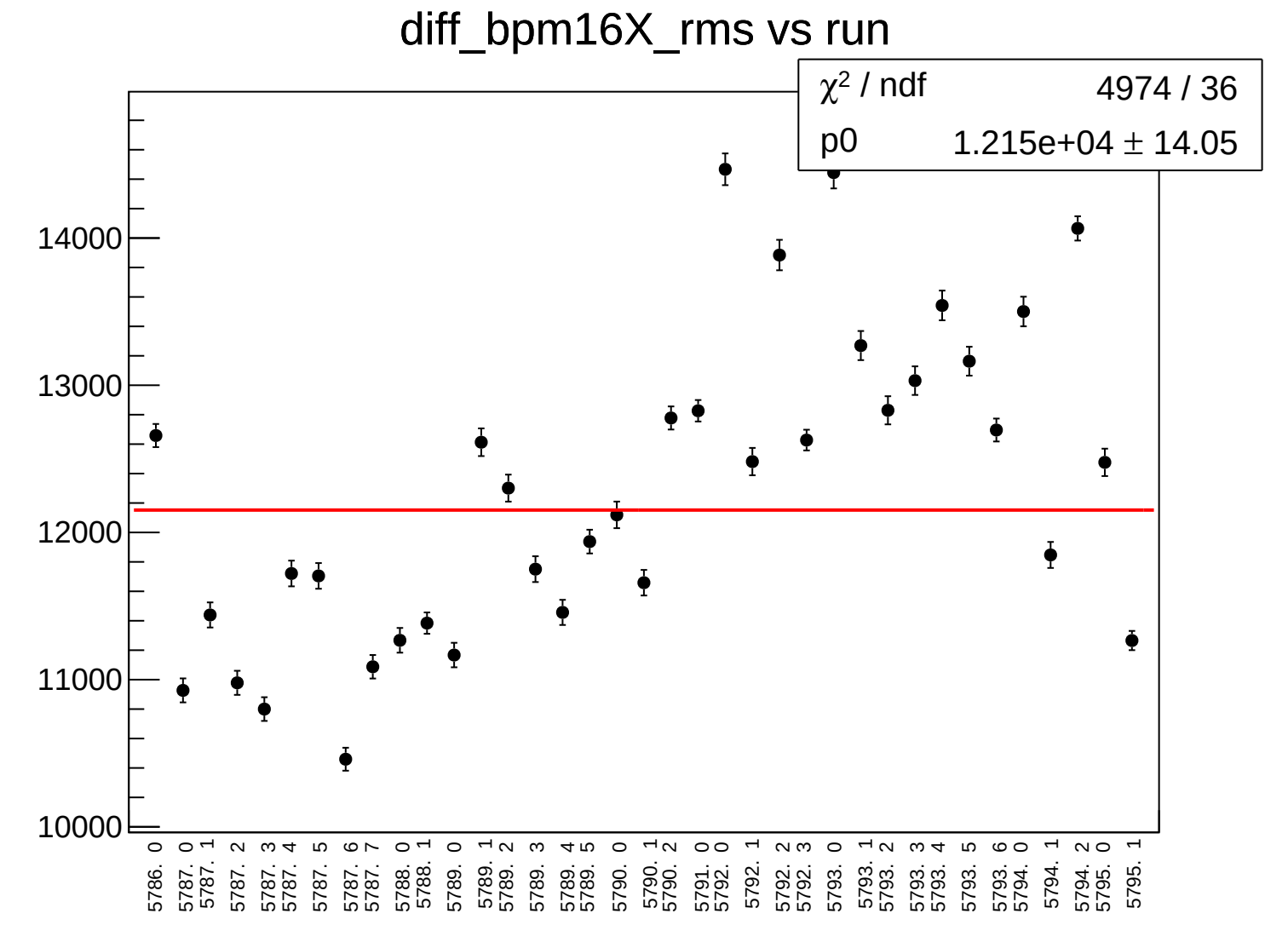

diff_bpm12Y_mean vs run
χ² / ndf 34.68 / 36
p0 −1.518 ± 11.73
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −43.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

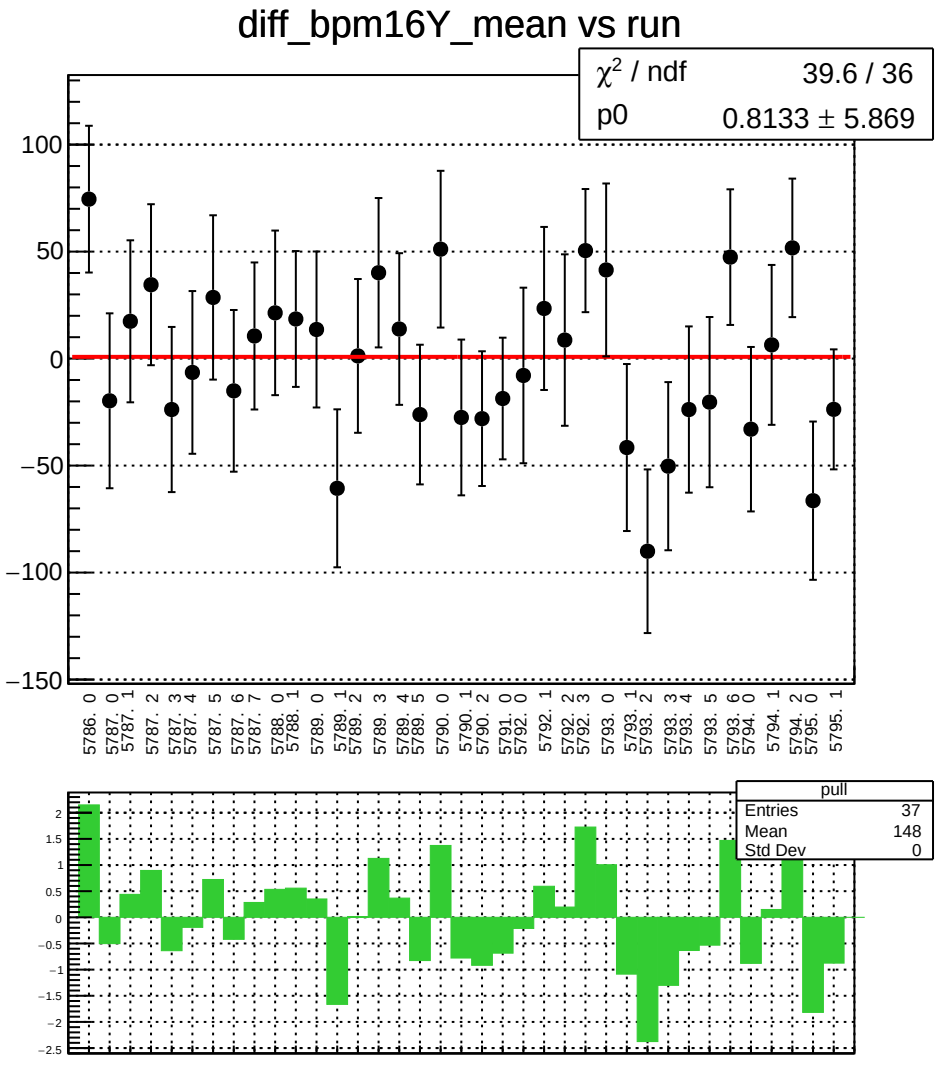

pull1D
Entries 37
Mean −0.02066
Std Dev 0.968
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

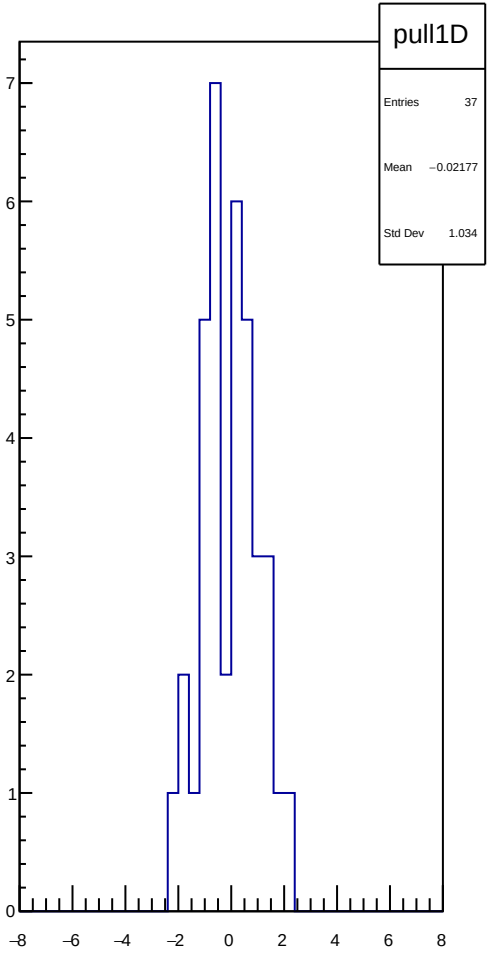

diff_bpm12Y_rms vs run
χ^2 / ndf 5156 / 36
p0 7174 ± 8.296
10500
10000
9500
9000
8500
8000
7500
7000
6500
6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

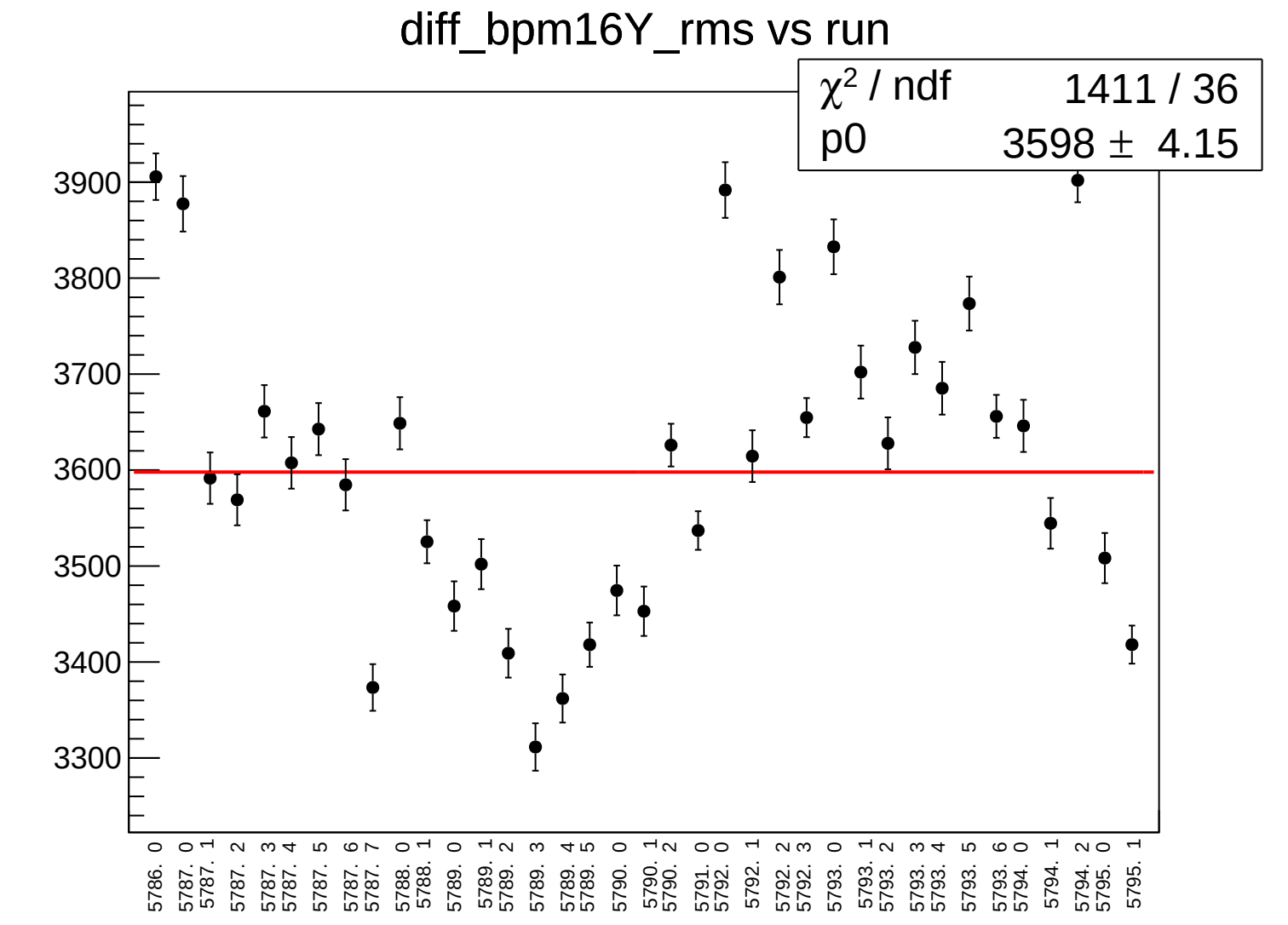

diff_bpm16X_mean vs run
χ² / ndf 42.27 / 36
p0 −37.79 ± 19.87
400
200
0
−200
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1228
Std Dev 0
2
1
0
−1
−2

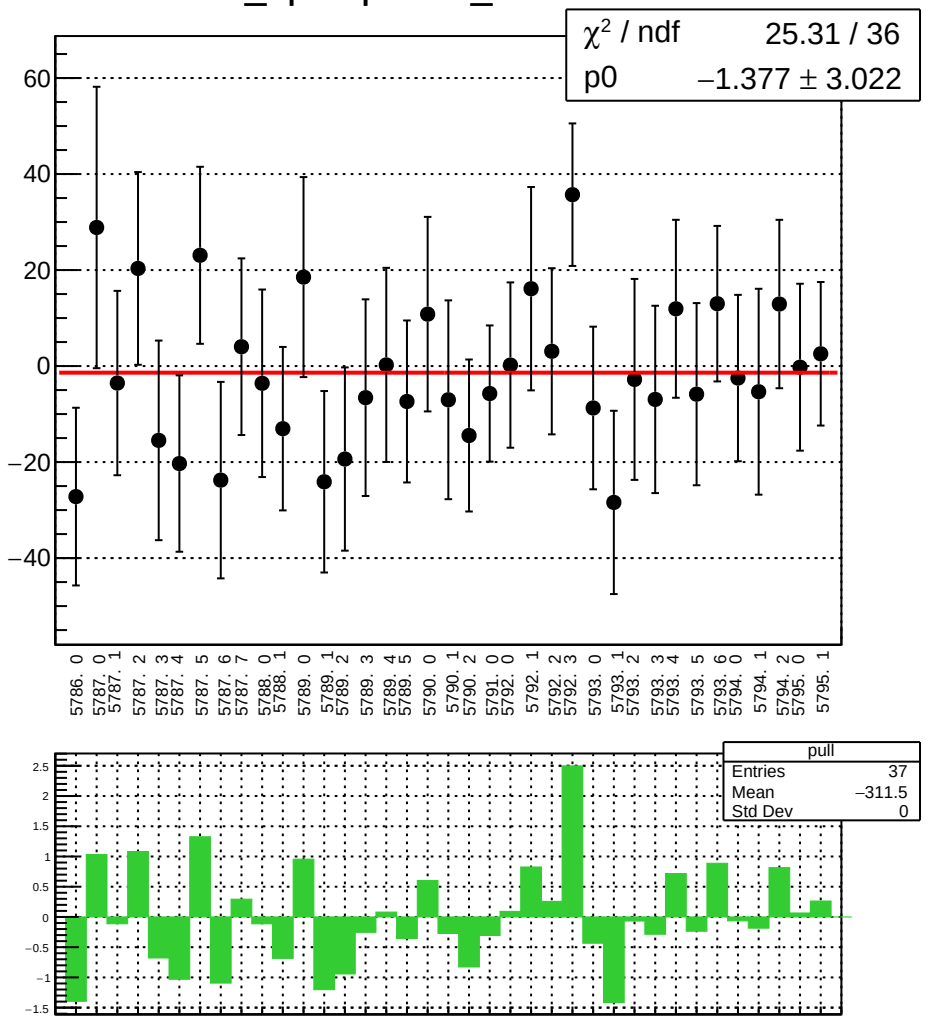

pull1D
Entries 37
Mean 0.001156
Std Dev 1.069
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

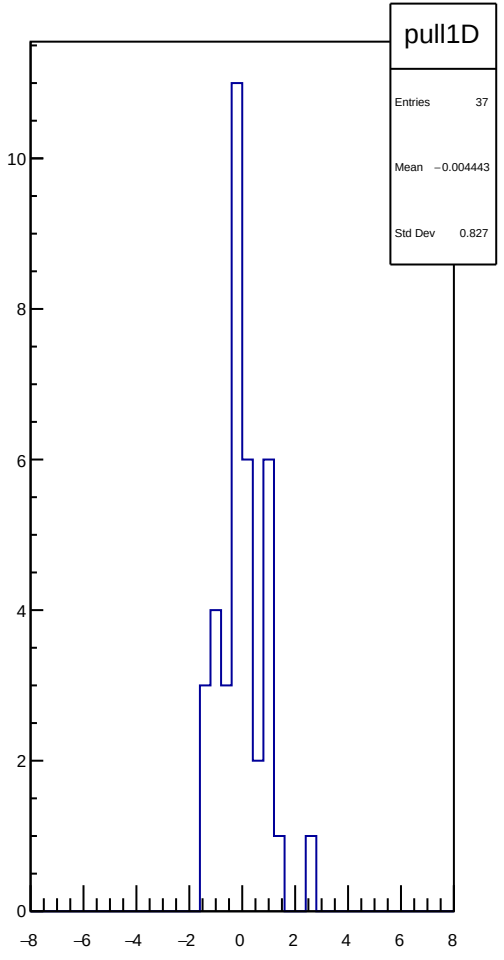

diff_bpm16X_rms vs run
χ² / ndf 4974 / 36
p0 1.215e+04 ± 14.05
14000
13000
12000
11000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

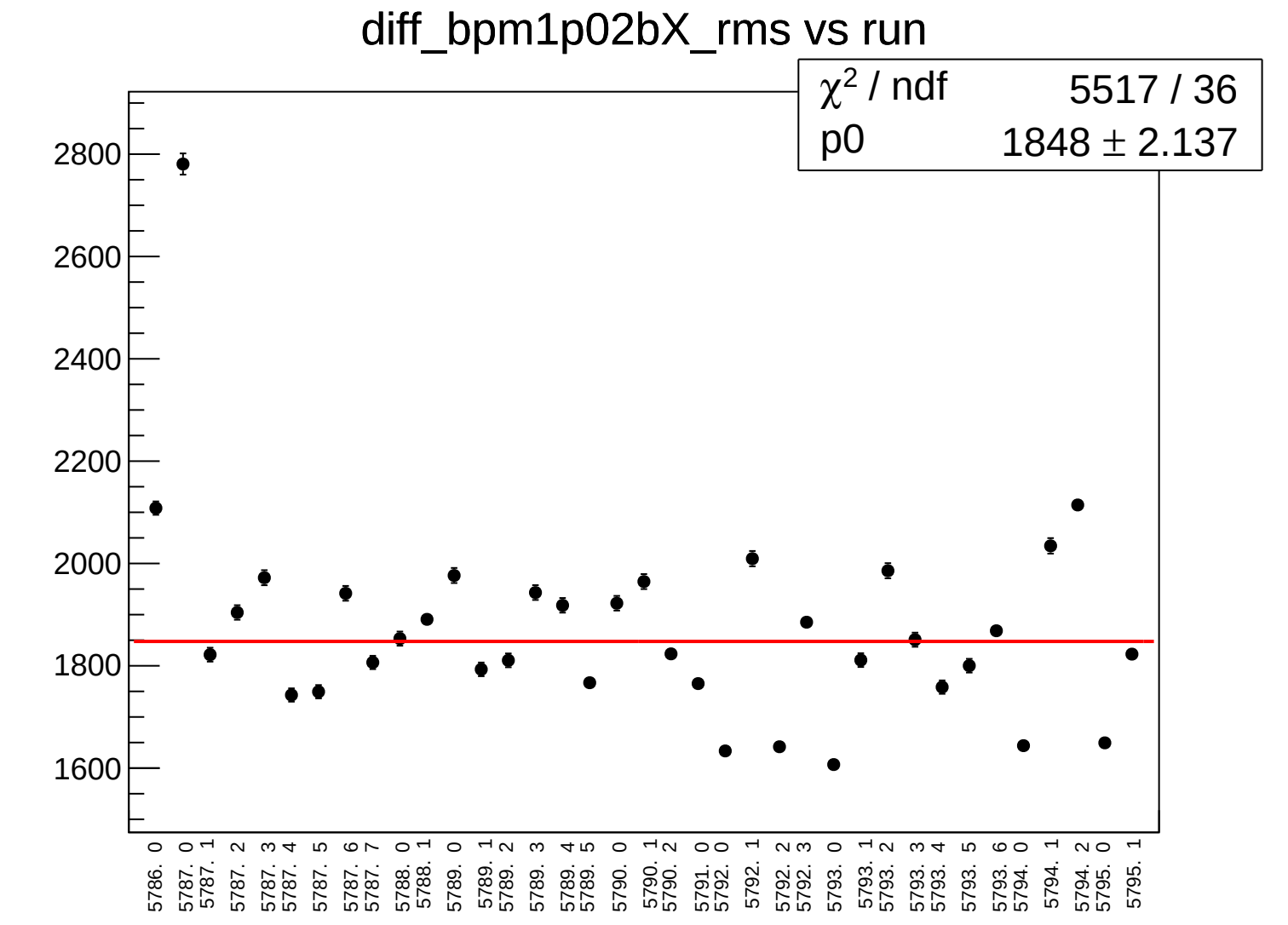

diff_bpm16Y_mean vs run
χ² / ndf 39.6 / 36
p0 0.8133 ± 5.869
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 148
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

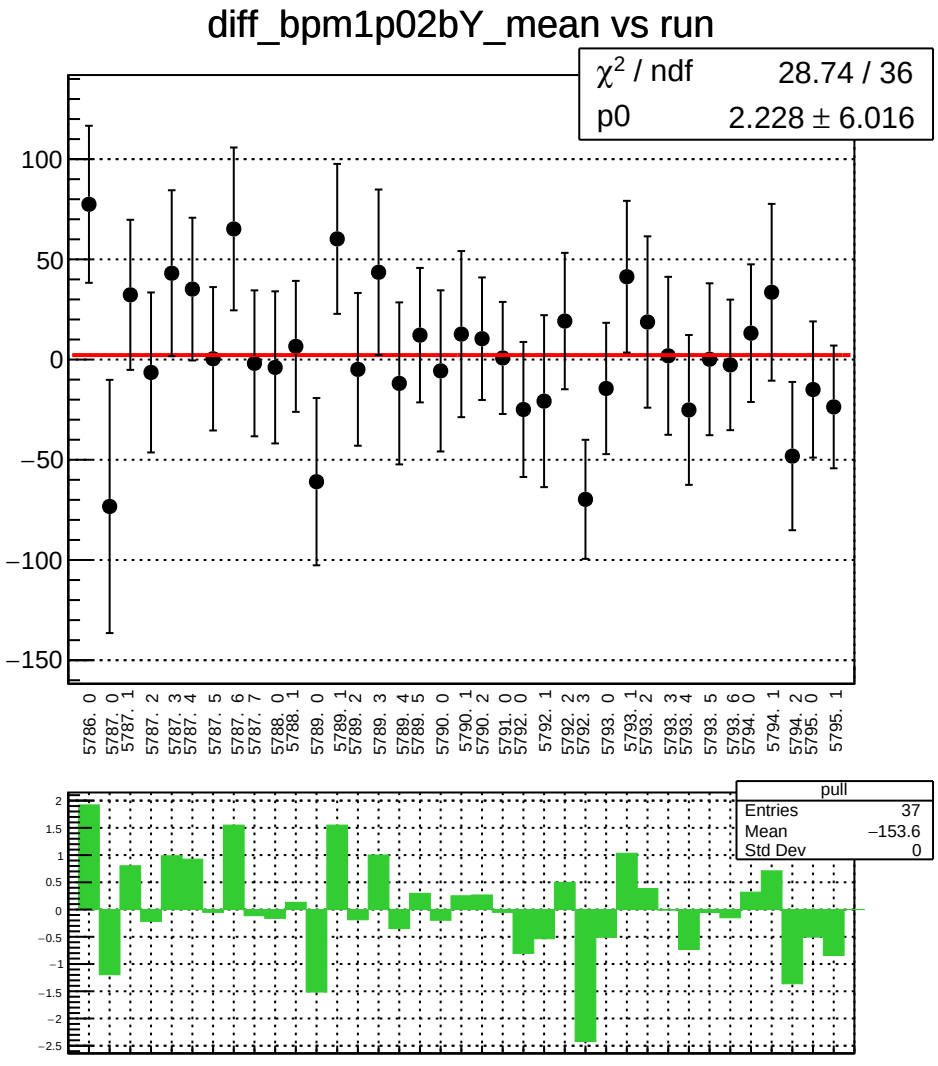

pull1D
Entries 37
Mean −0.02177
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

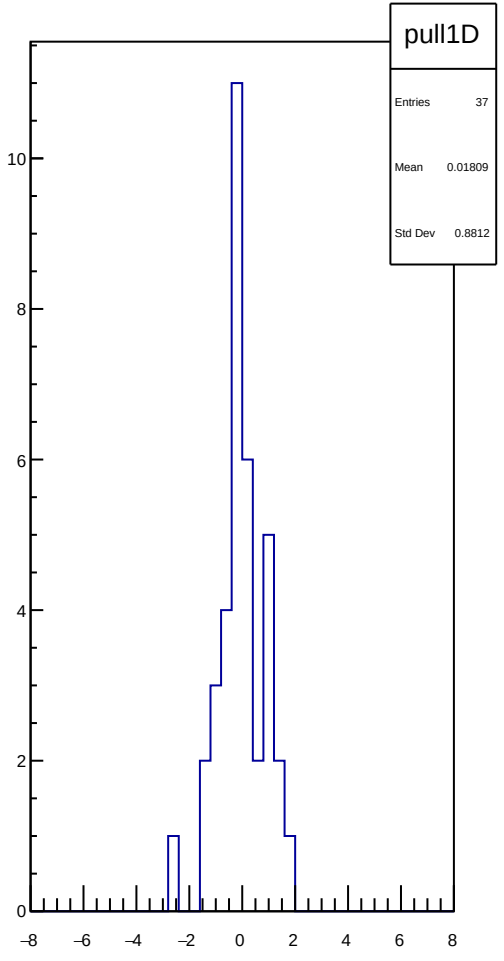

diff_bpm16Y_rms vs run
χ² / ndf 1411 / 36
p0 3598 ± 4.15
3900
3800
3700
3600
3500
3400
3300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

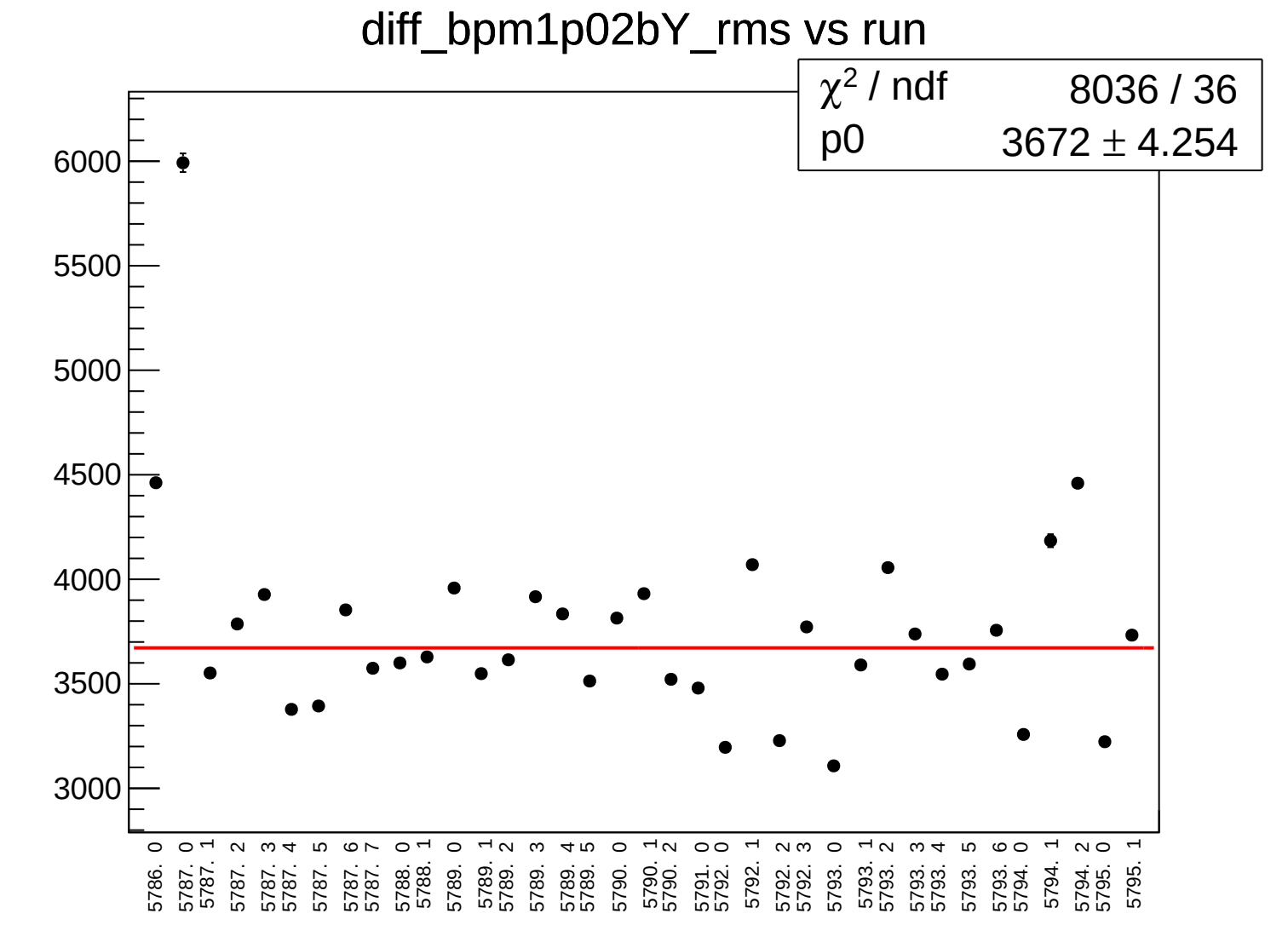

diff_bpm1p02bX_mean vs run
χ² / ndf 25.31 / 36
p0 −1.377 ± 3.022
pull
Entries 37
Mean −311.5
Std Dev 0

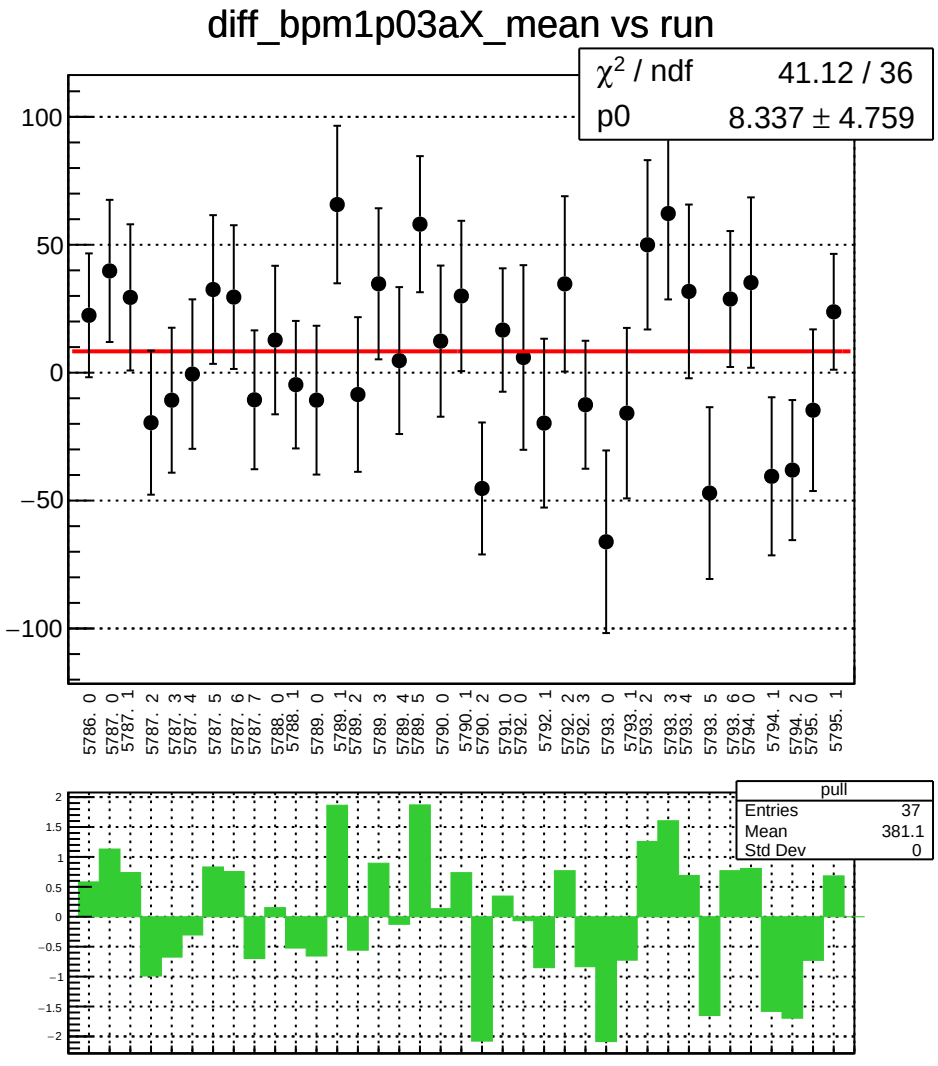

pull1D
Entries 37
Mean −0.004443
Std Dev 0.827

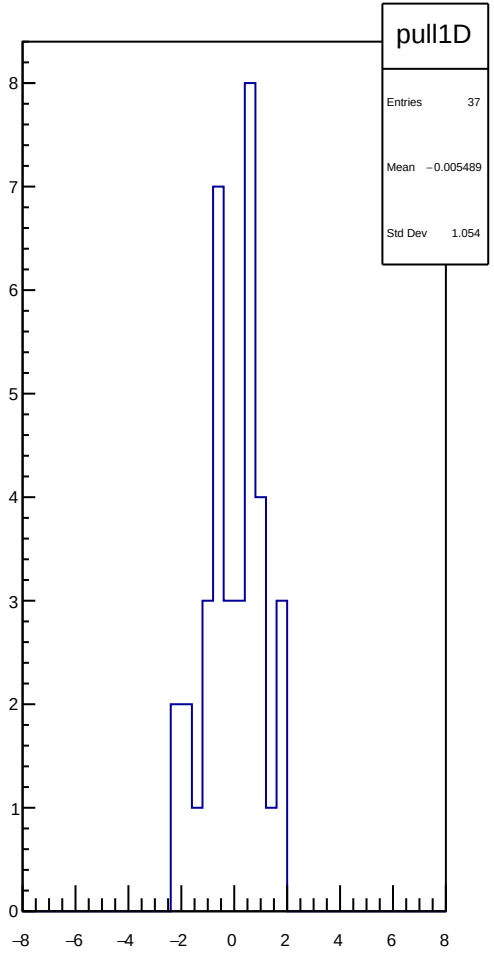

diff_bpm1p02bX_rms vs run
χ² / ndf 5517 / 36
p0 1848 ± 2.137
2800
2600
2400
2200
2000
1800
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

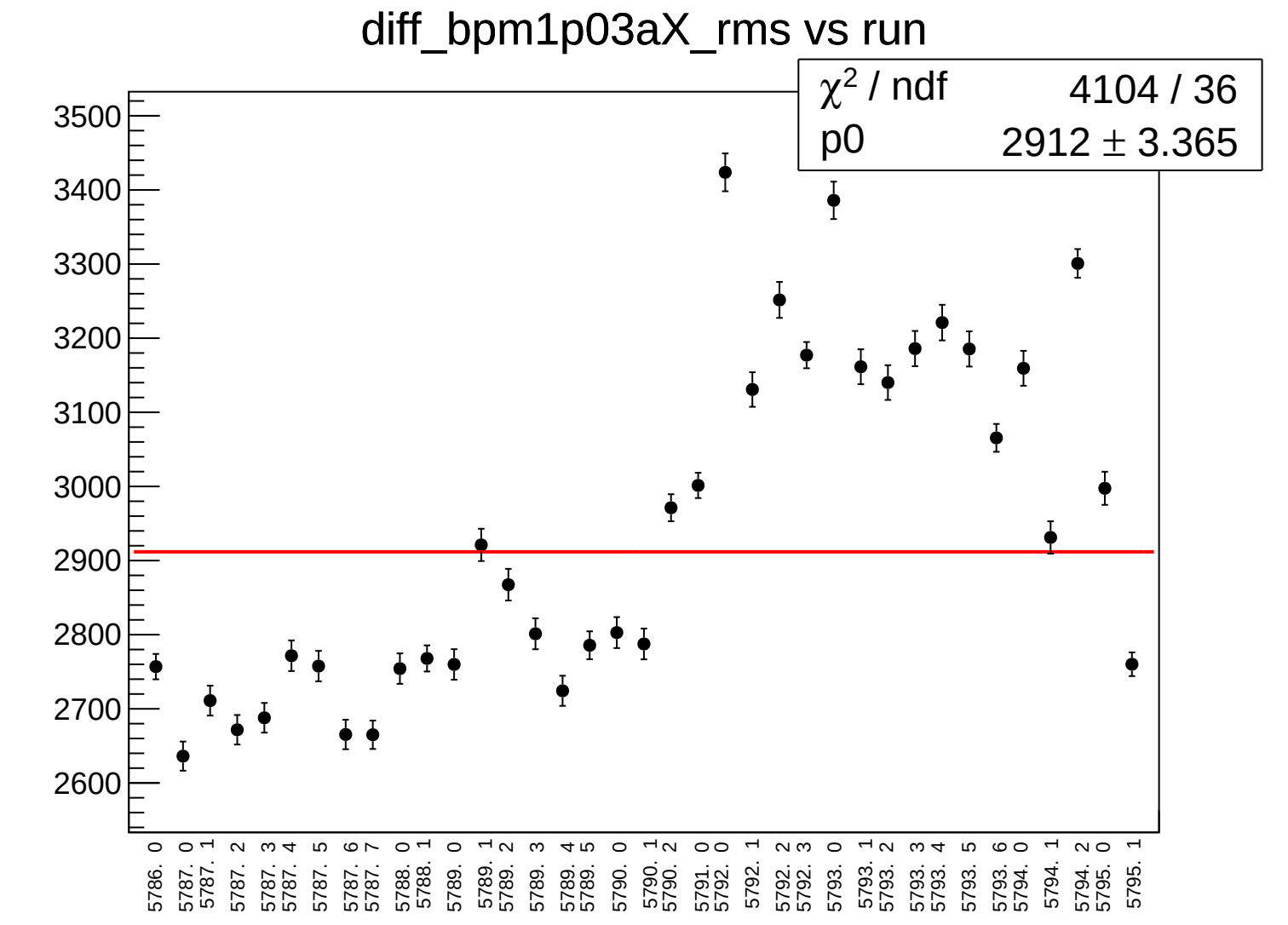

diff_bpm1p02bY_mean vs run
χ² / ndf 28.74 / 36
p0 2.228 ± 6.016
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −153.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

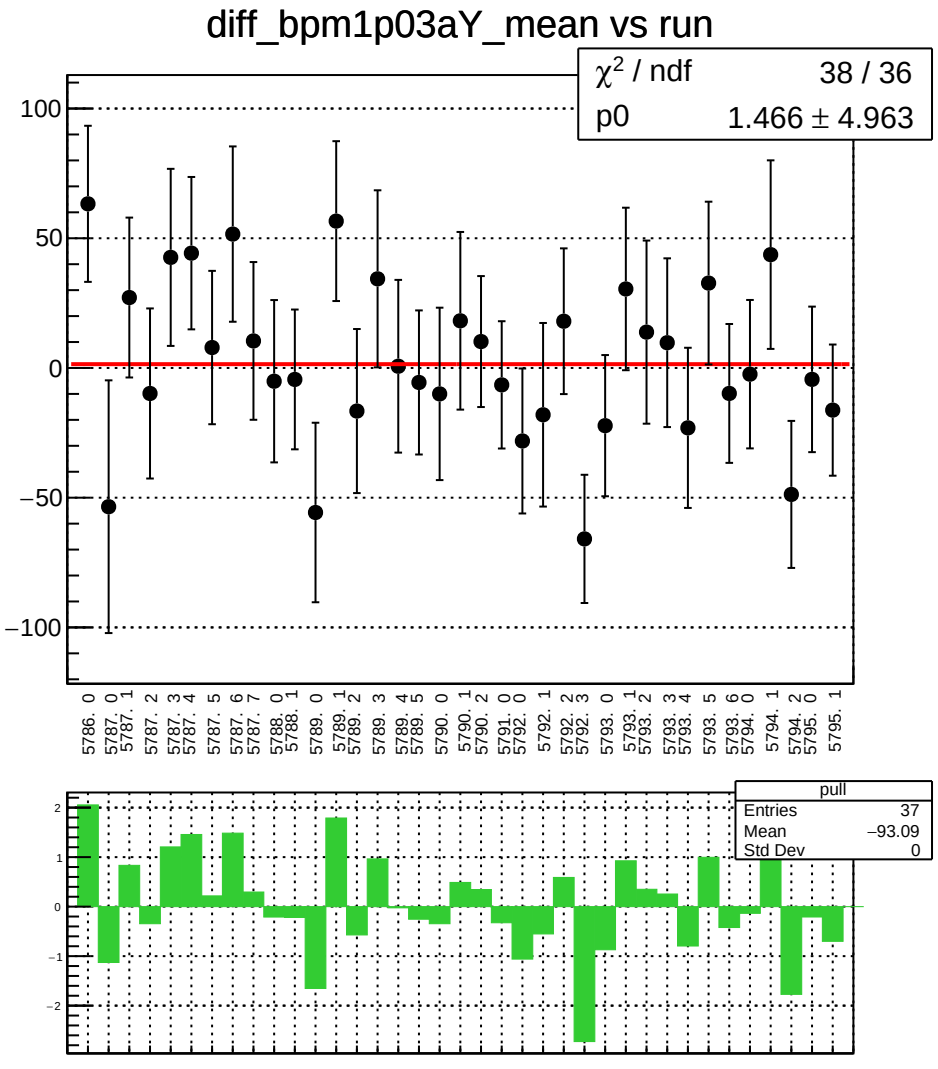

pull1D
Entries 37
Mean 0.01809
Std Dev 0.8812
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

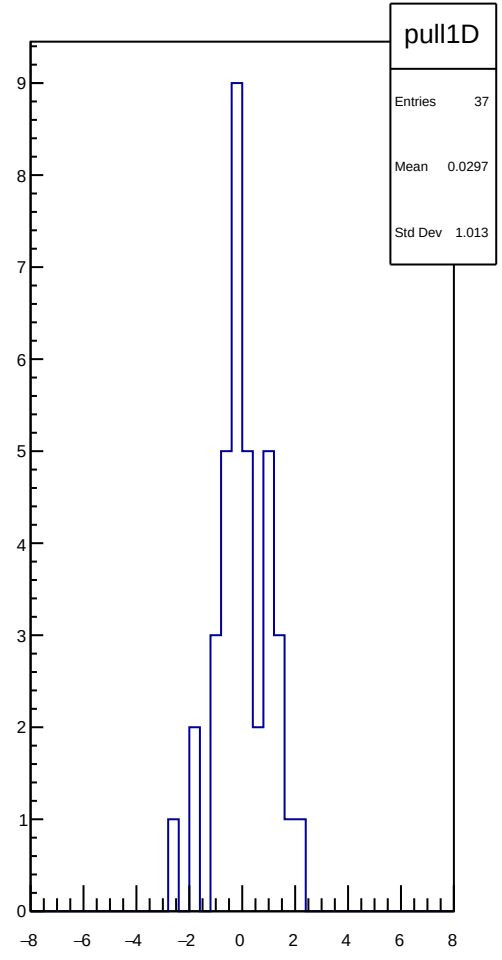

diff_bpm1p02bY_rms vs run
χ² / ndf 8036 / 36
p0 3672 ± 4.254
6000
5500
5000
4500
4000
3500
3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

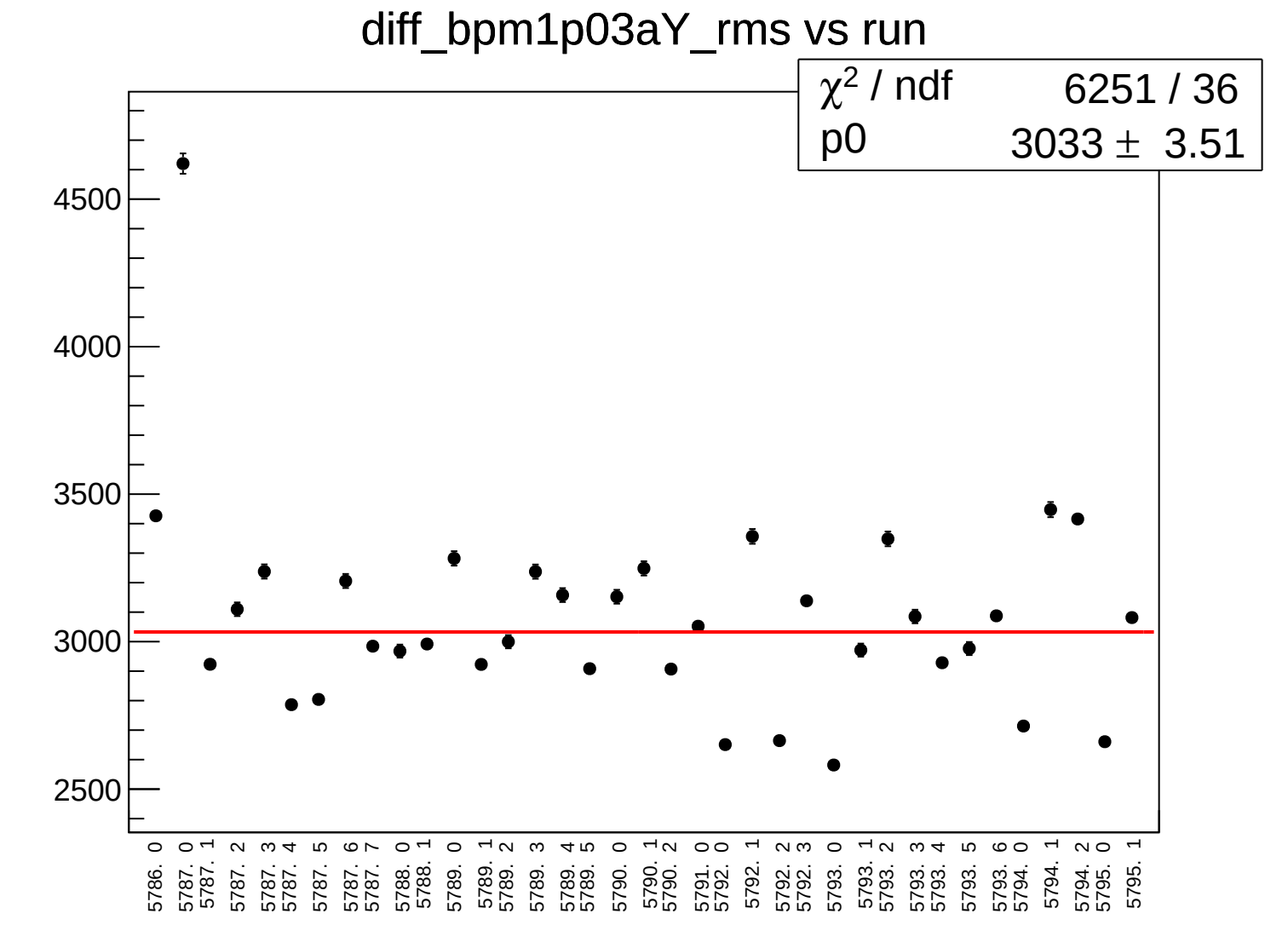

diff_bpm1p03aX_mean vs run
χ^2 / ndf 41.12 / 36
p0 8.337 ± 4.759
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 381.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

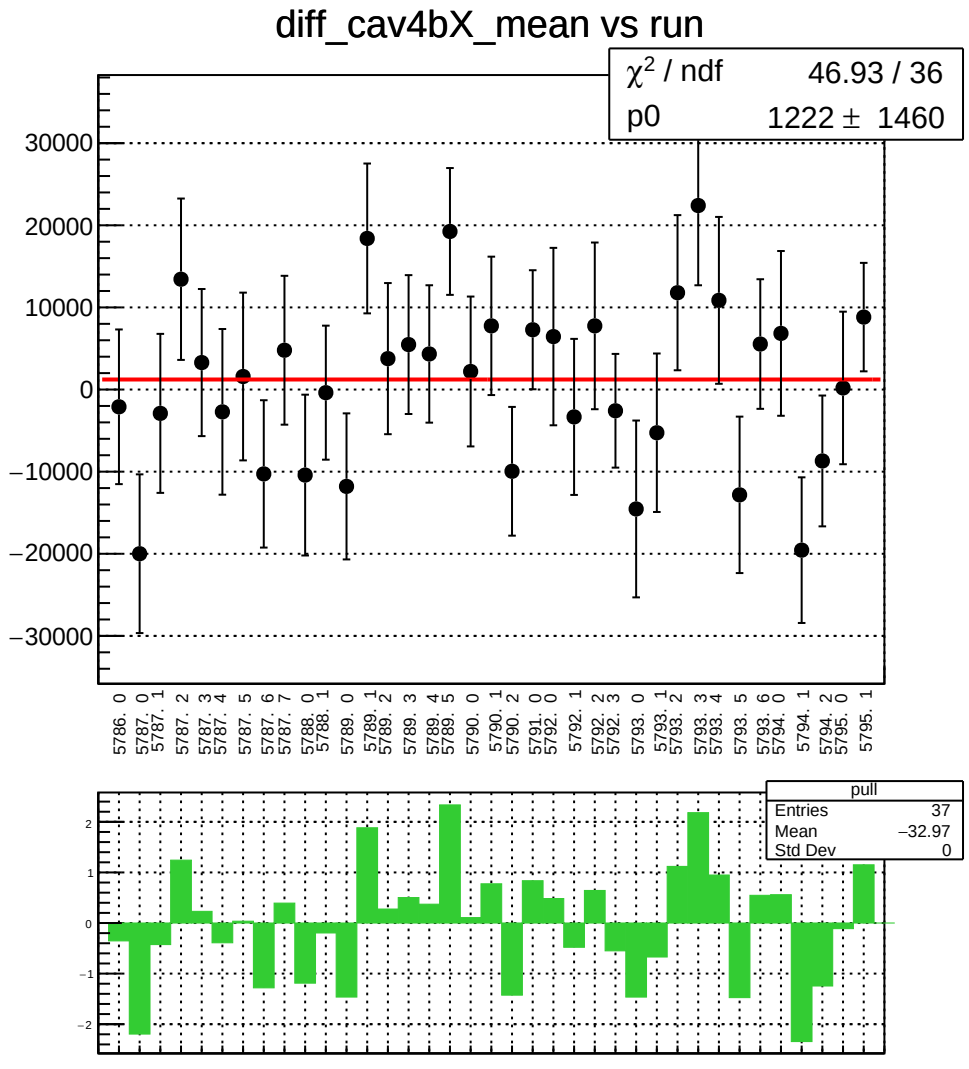

pull1D
Entries 37
Mean −0.005489
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

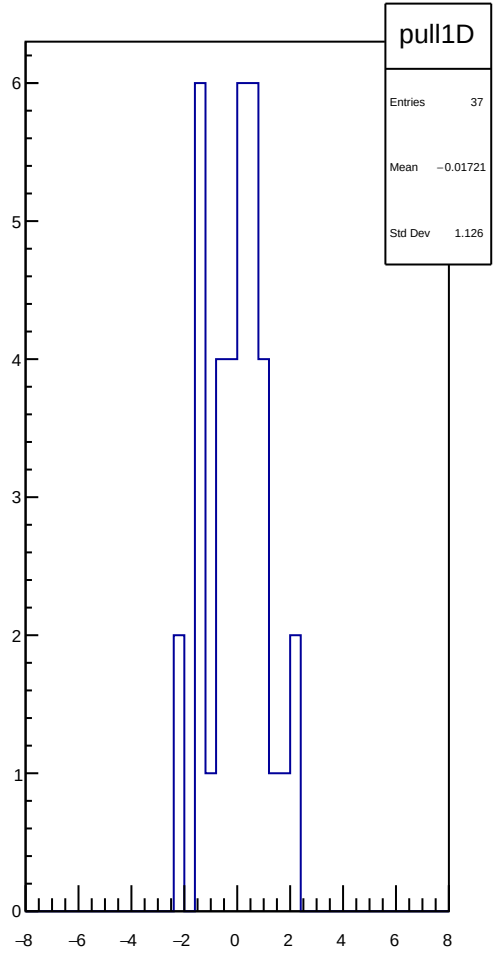

diff_bpm1p03aX_rms vs run
χ² / ndf 4104 / 36
p0 2912 ± 3.365
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

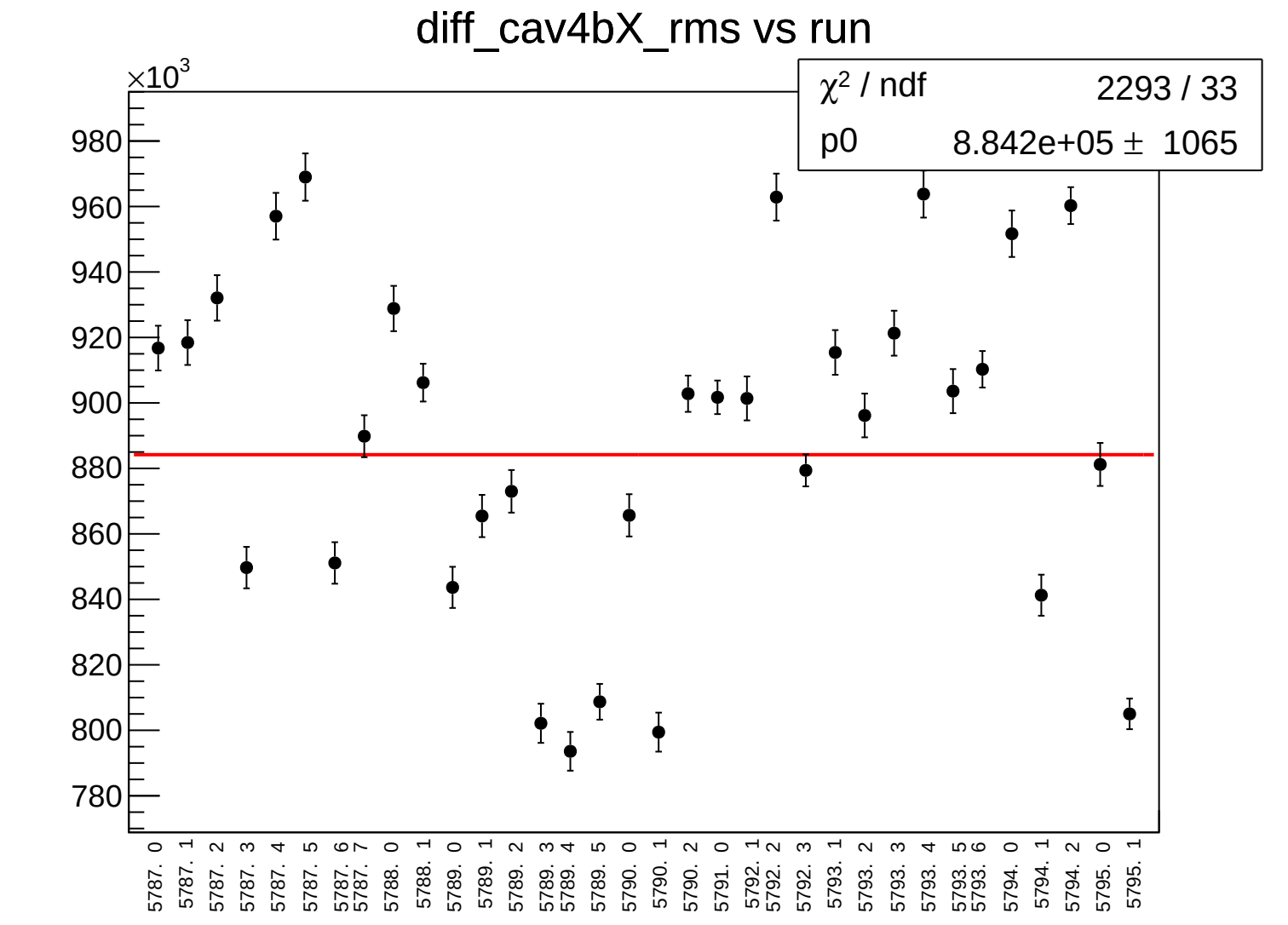

diff_bpm1p03aY_mean vs run
χ² / ndf 38 / 36
p0 1.466 ± 4.963
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −93.09
Std Dev 0
2
1
0
−1
−2

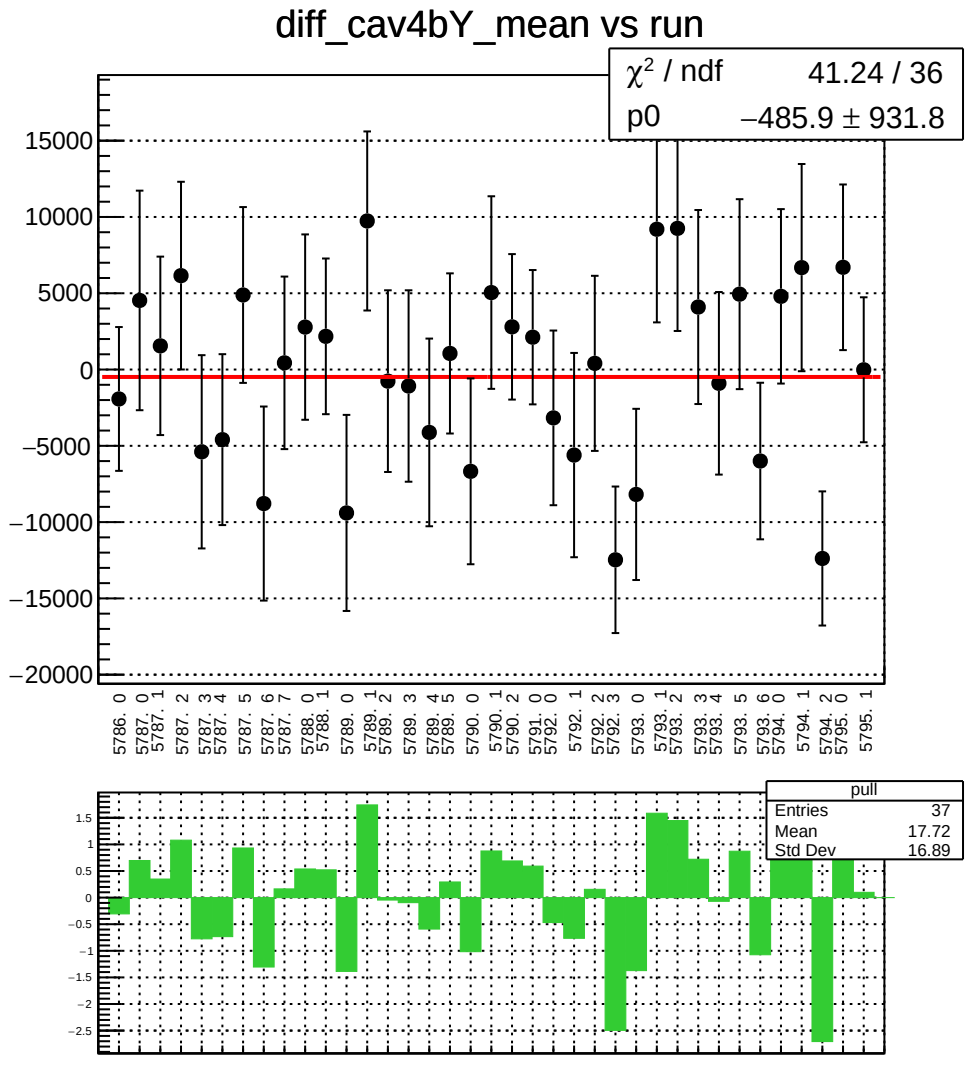

pull1D
Entries 37
Mean 0.0297
Std Dev 1.013
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

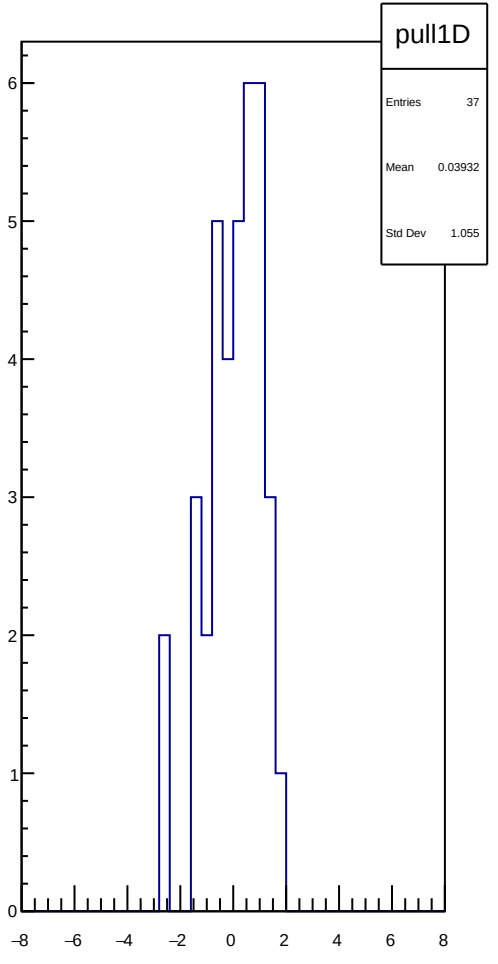

diff_bpm1p03aY_rms vs run
χ² / ndf 6251 / 36
p0 3033 ± 3.51
4500
4000
3500
3000
2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

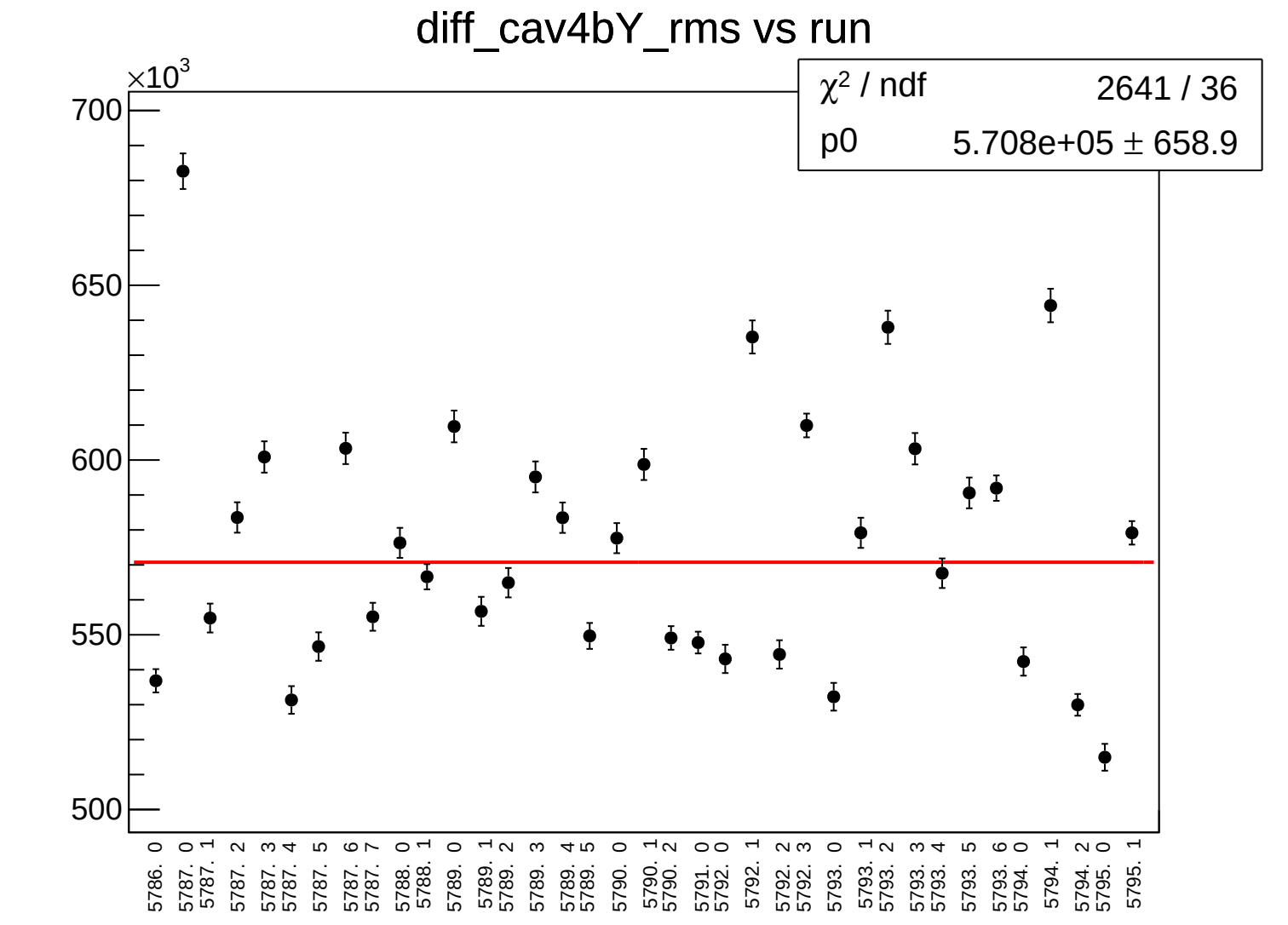

diff_cav4bX_mean vs run
χ² / ndf 46.93 / 36
p0 1222 ± 1460
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.97
Std Dev 0
2
1
0
−1
−2

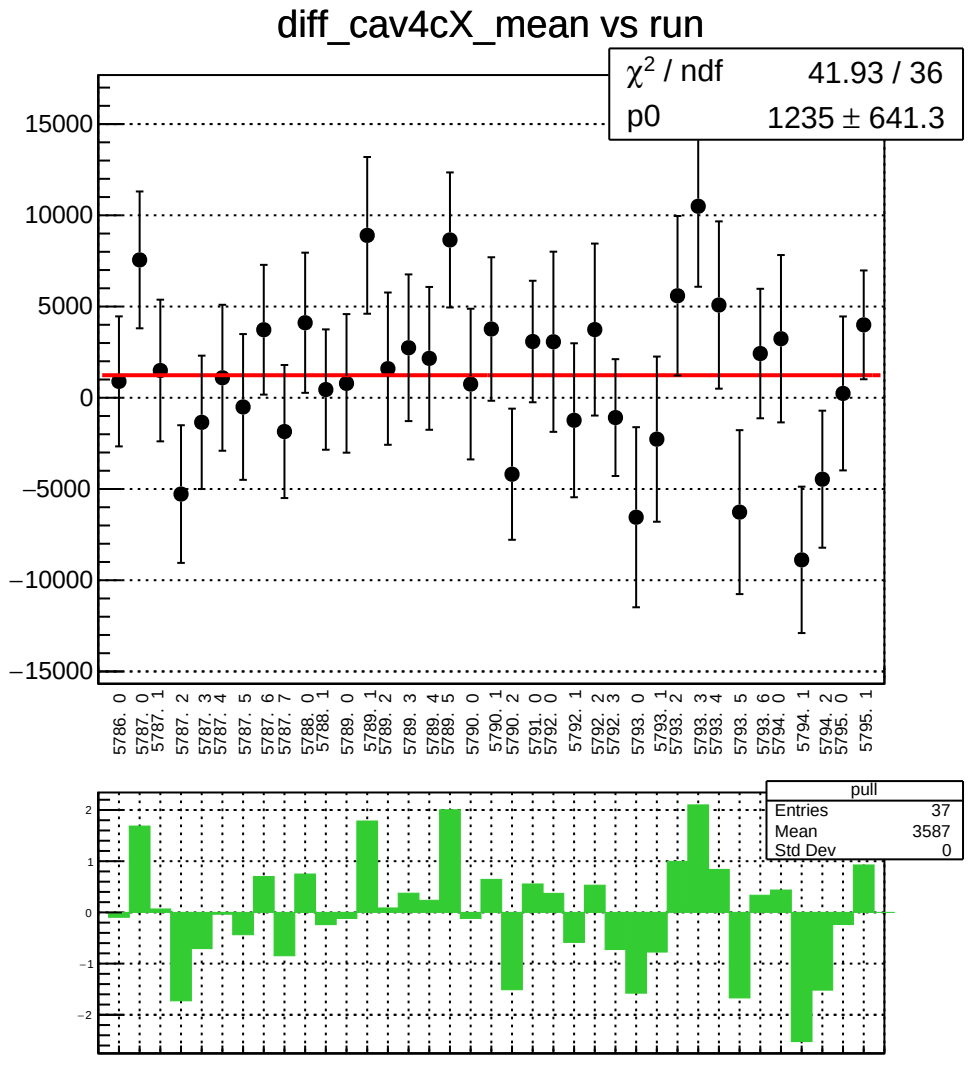

pull1D
Entries 37
Mean −0.01721
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

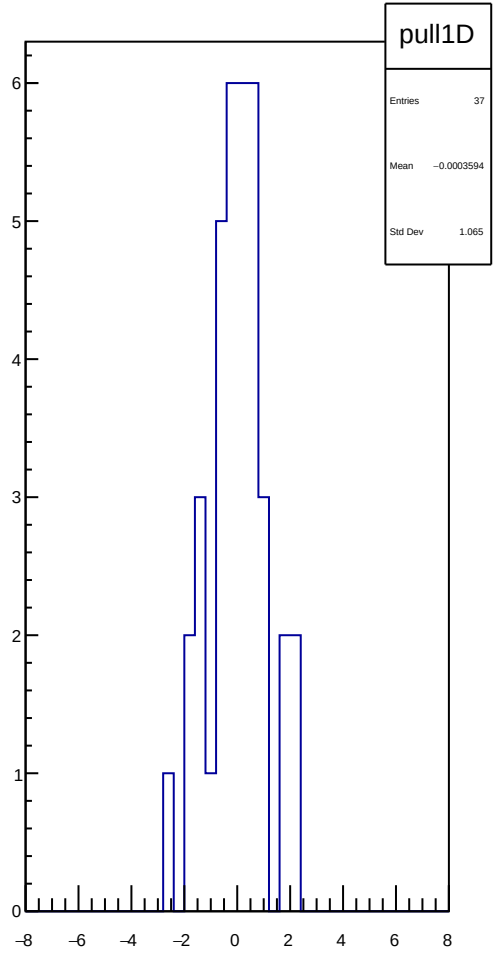

diff_cav4bX_rms vs run
×10^3
χ² / ndf 2293 / 33
p0 8.842e+05 ± 1065
980
960
940
920
900
880
860
840
820
800
780
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 1
5792. 2
5792. 3
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

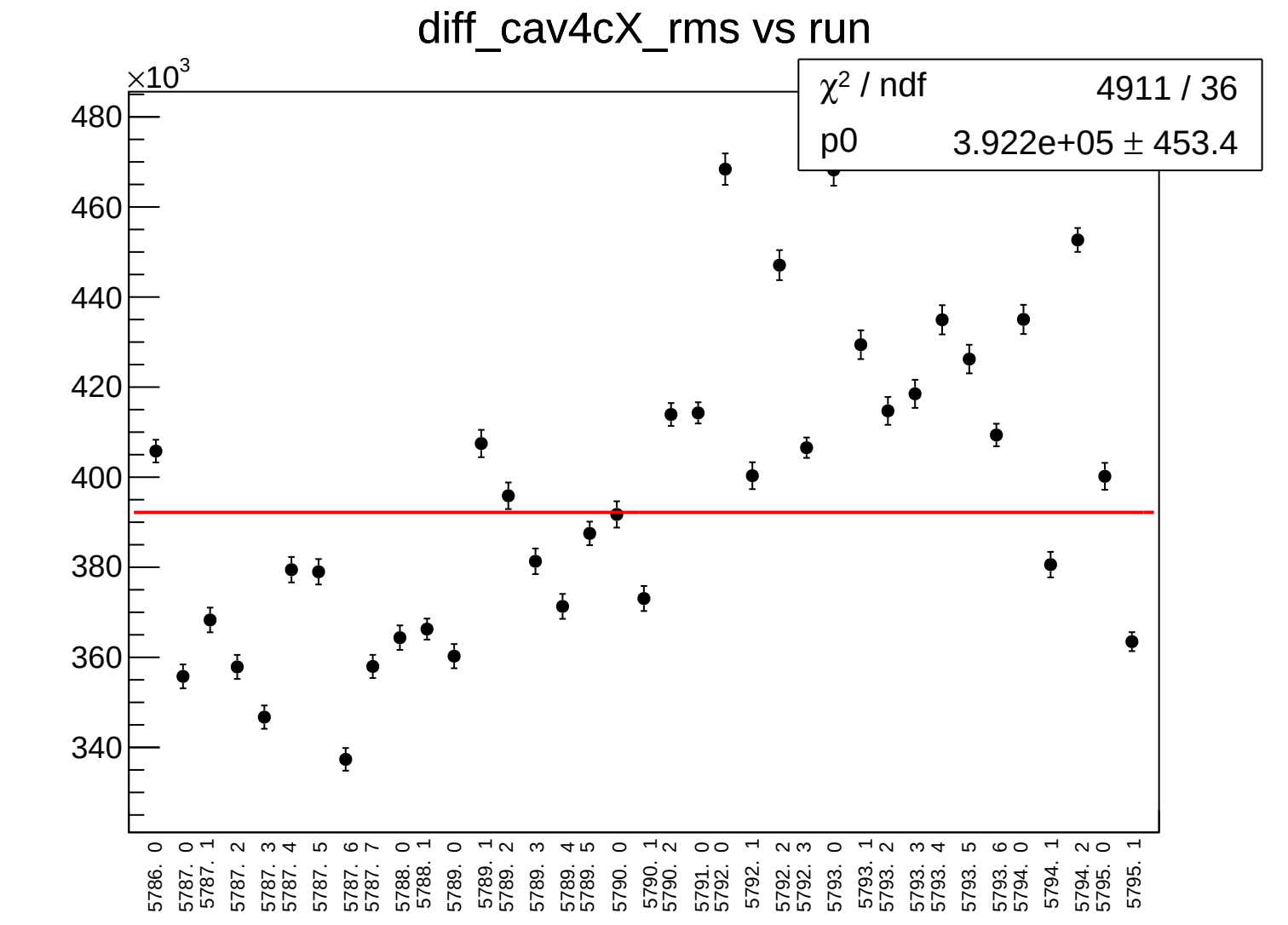

diff_cav4bY_mean vs run
χ² / ndf 41.24 / 36
p0 −485.9 ± 931.8
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.72
Std Dev 16.89
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

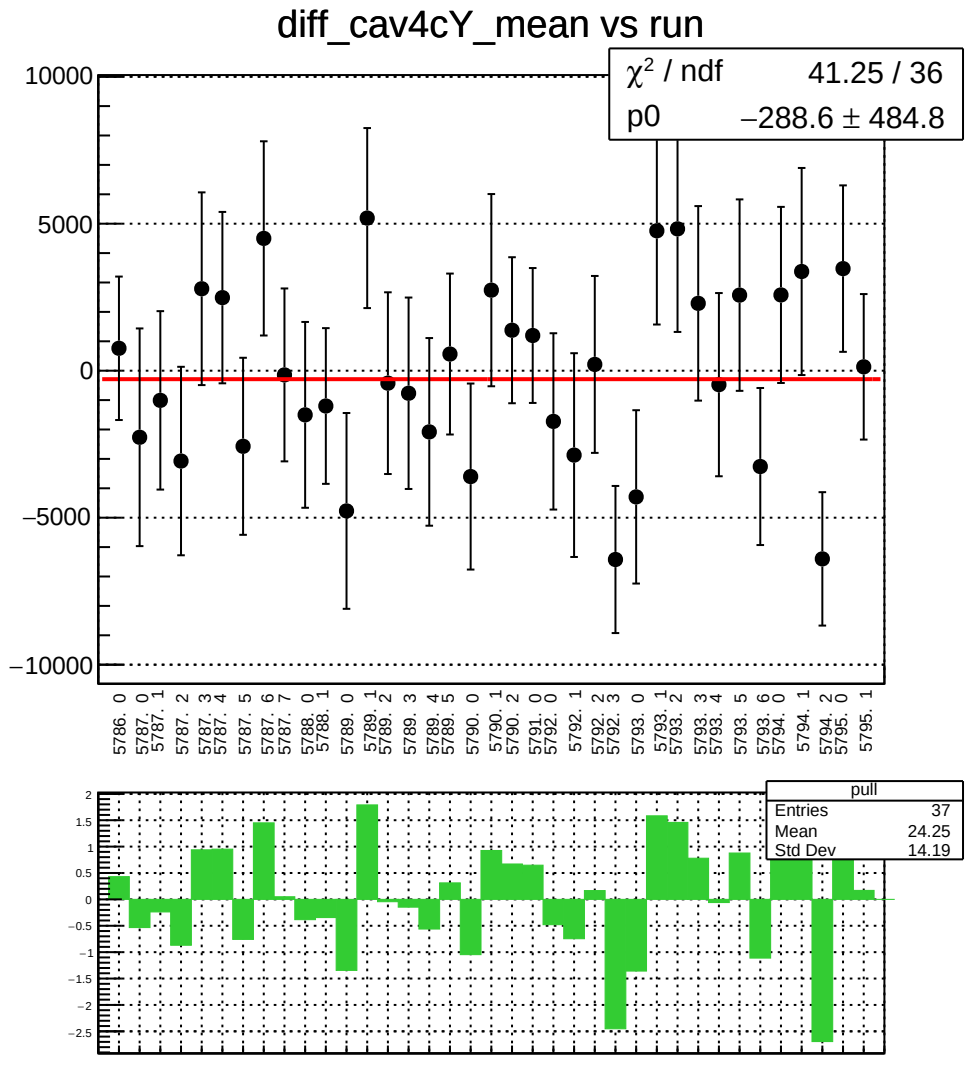

pull1D
Entries 37
Mean 0.03932
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

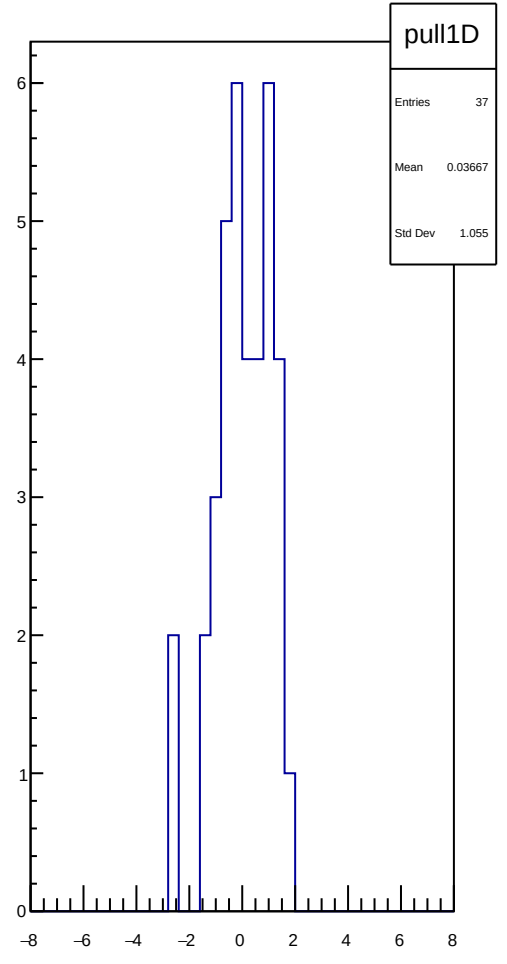

diff_cav4bY_rms vs run
×10^3
700
650
600
550
500
χ² / ndf 2641 / 36
p0 5.708e+05 ± 658.9
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

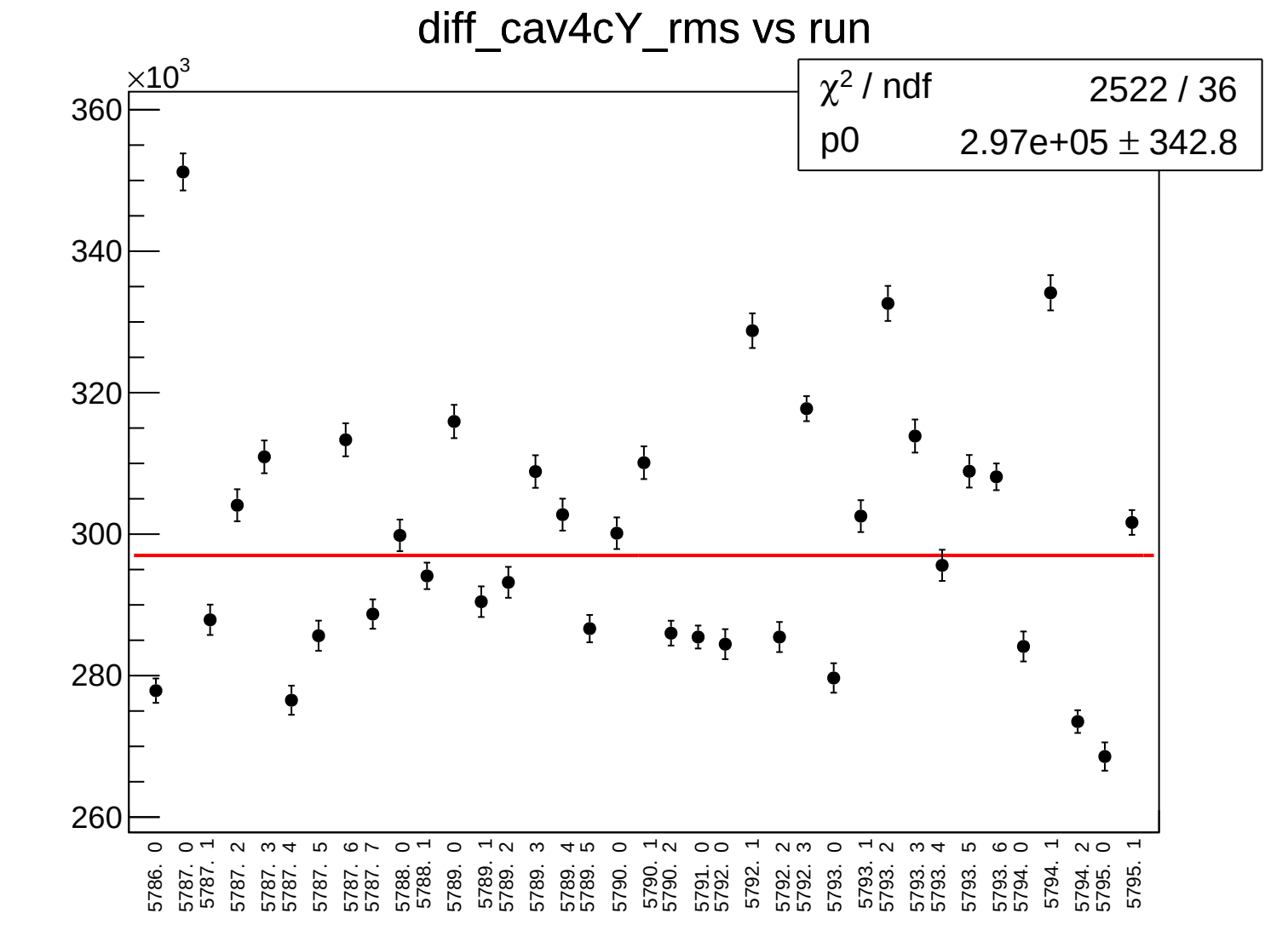

diff_cav4cX_mean vs run
χ² / ndf 41.93 / 36
p0 1235 ± 641.3
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3587
Std Dev 0
2
1
0
−1
−2

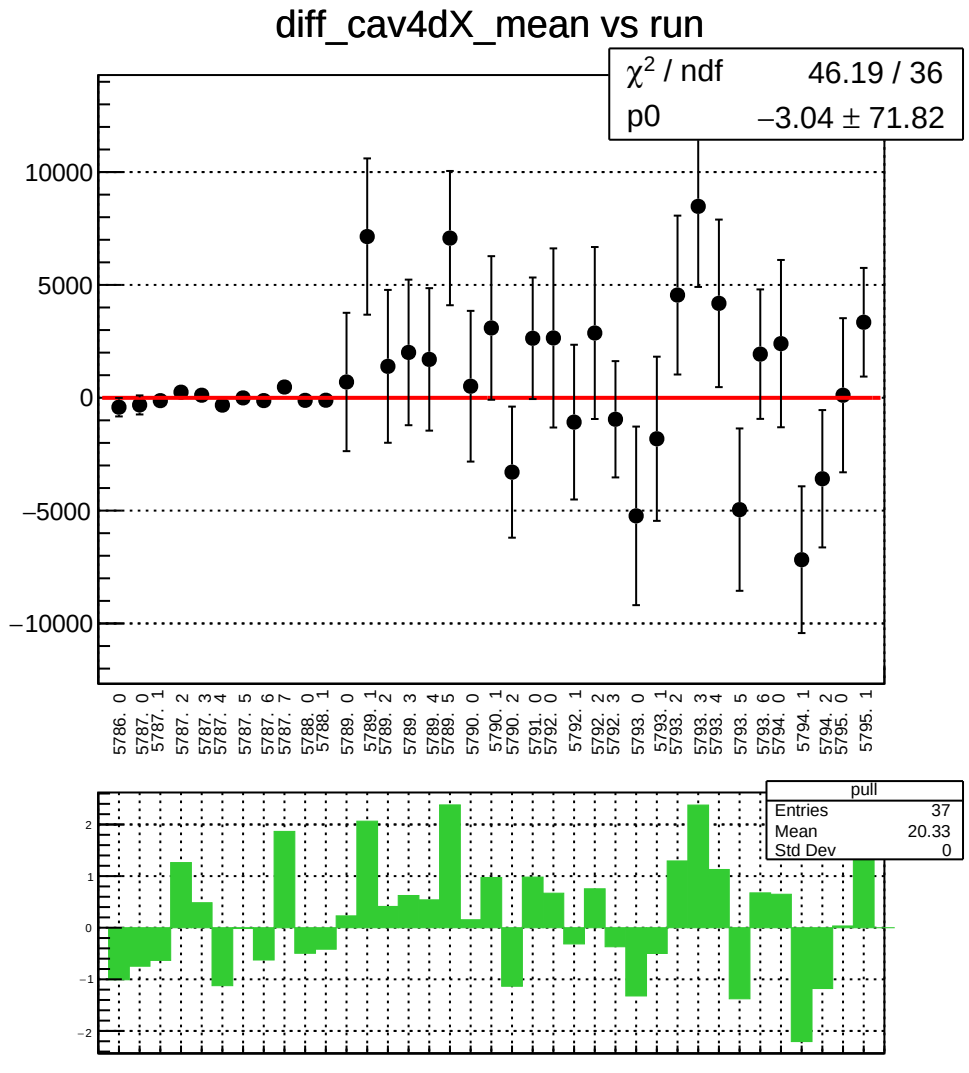

pull1D
Entries 37
Mean −0.0003594
Std Dev 1.065
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

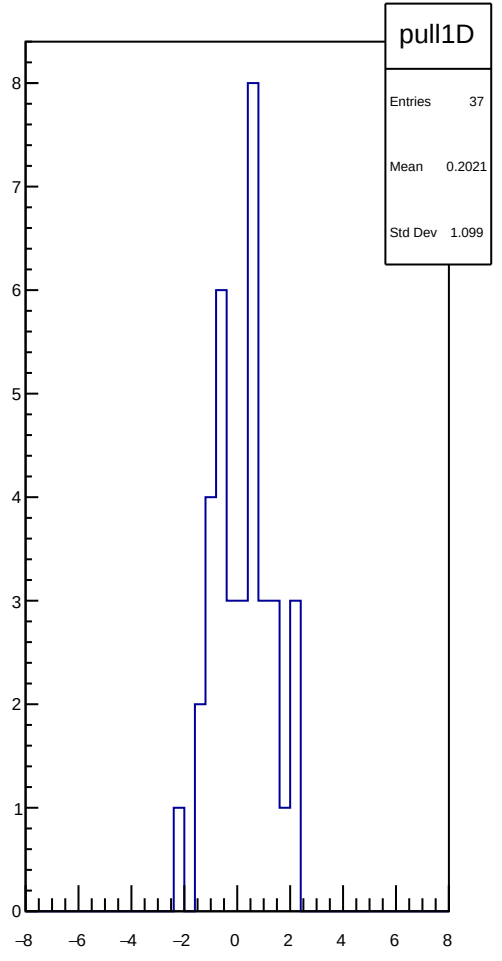

diff_cav4cX_rms vs run
×10^3
480
460
440
420
400
380
360
340
χ² / ndf 4911 / 36
p0 3.922e+05 ± 453.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

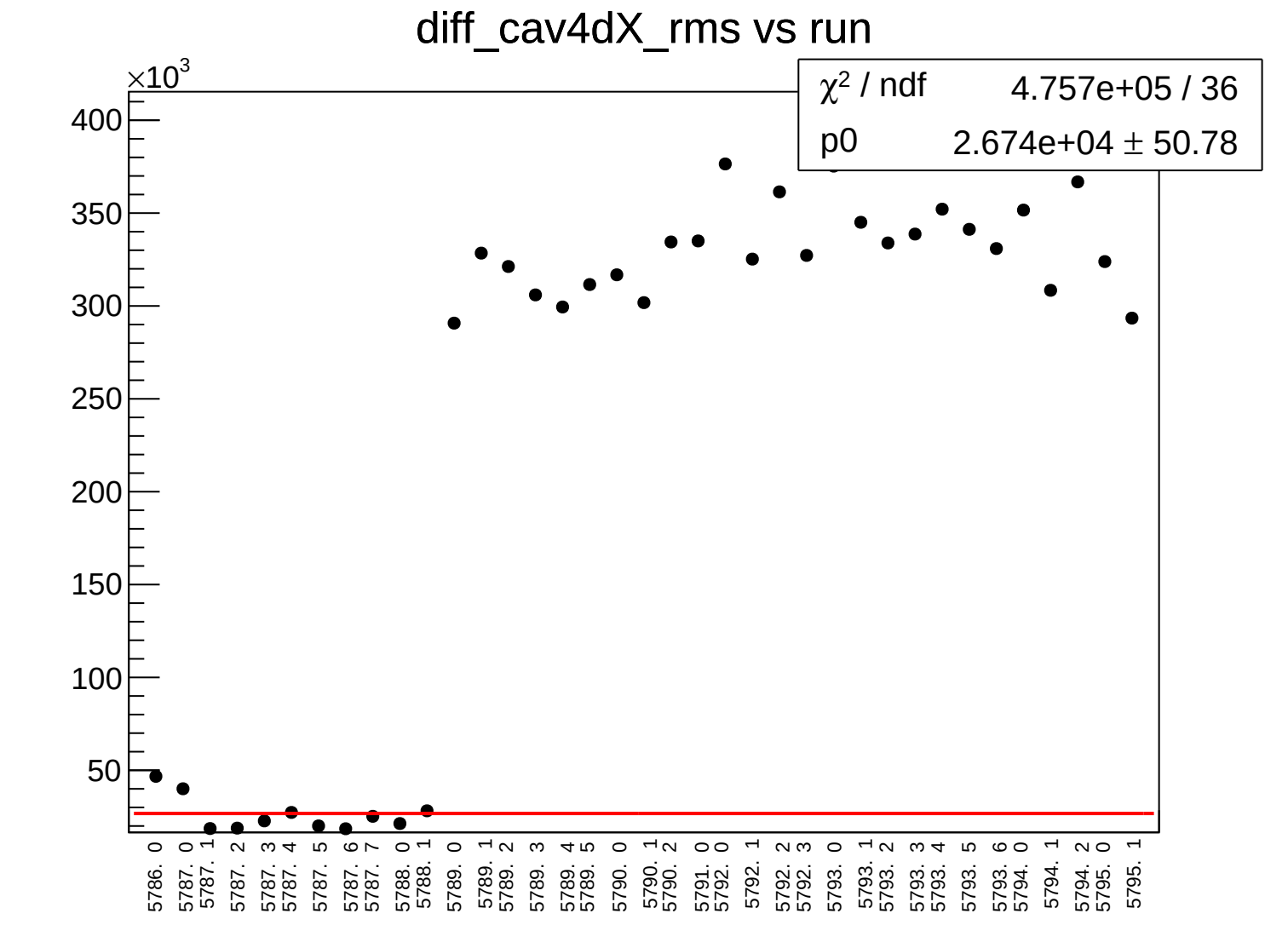

diff_cav4cY_mean vs run
χ² / ndf 41.25 / 36
p0 −288.6 ± 484.8
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.25
Std Dev 14.19
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

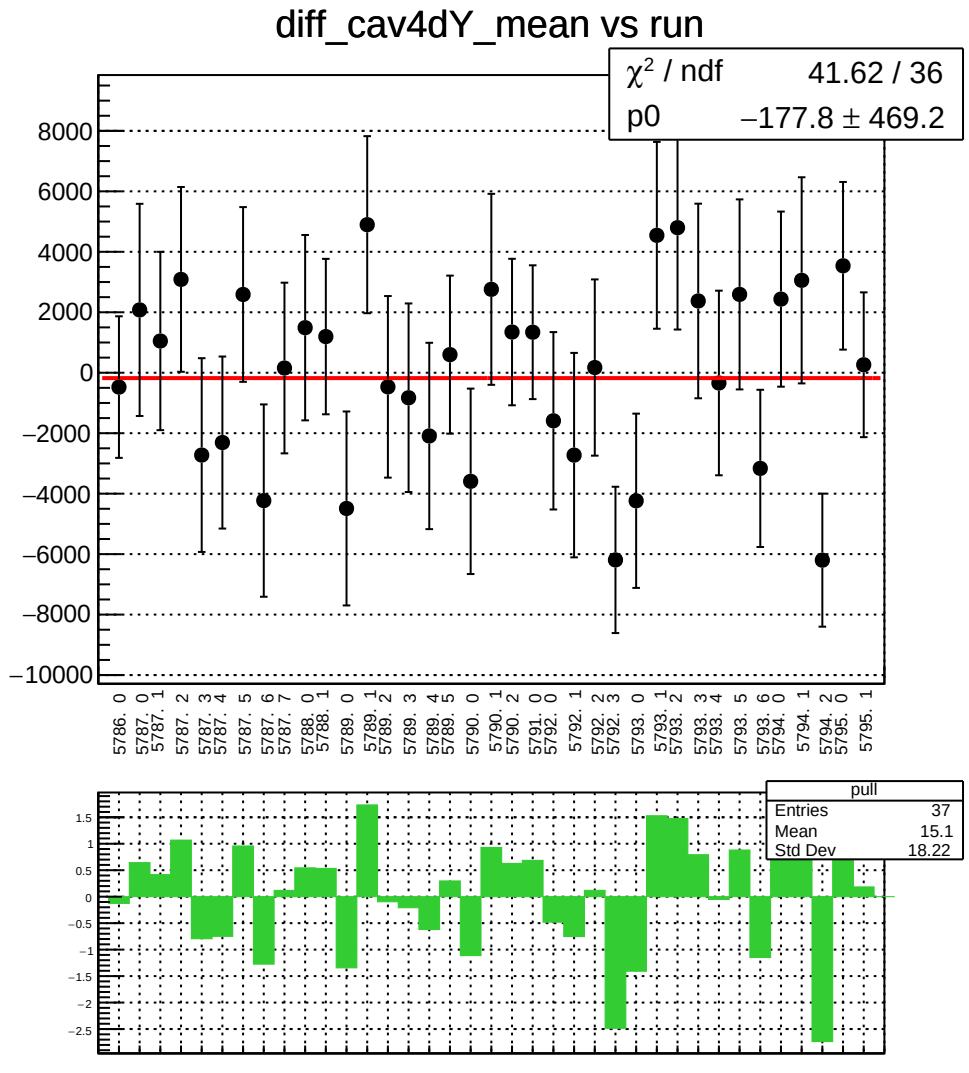

pull1D
Entries 37
Mean 0.03667
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

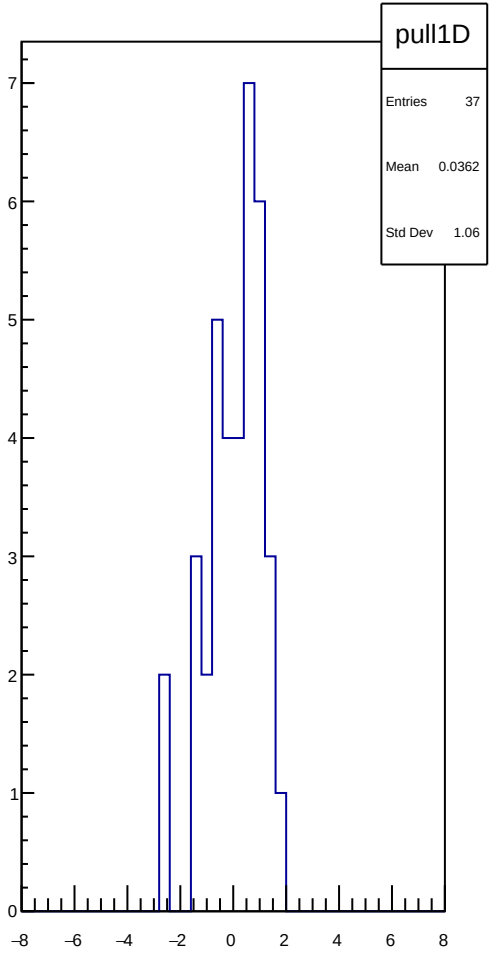

diff_cav4cY_rms vs run
×10^3
360
340
320
300
280
260
χ² / ndf 2522 / 36
p0 2.97e+05 ± 342.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

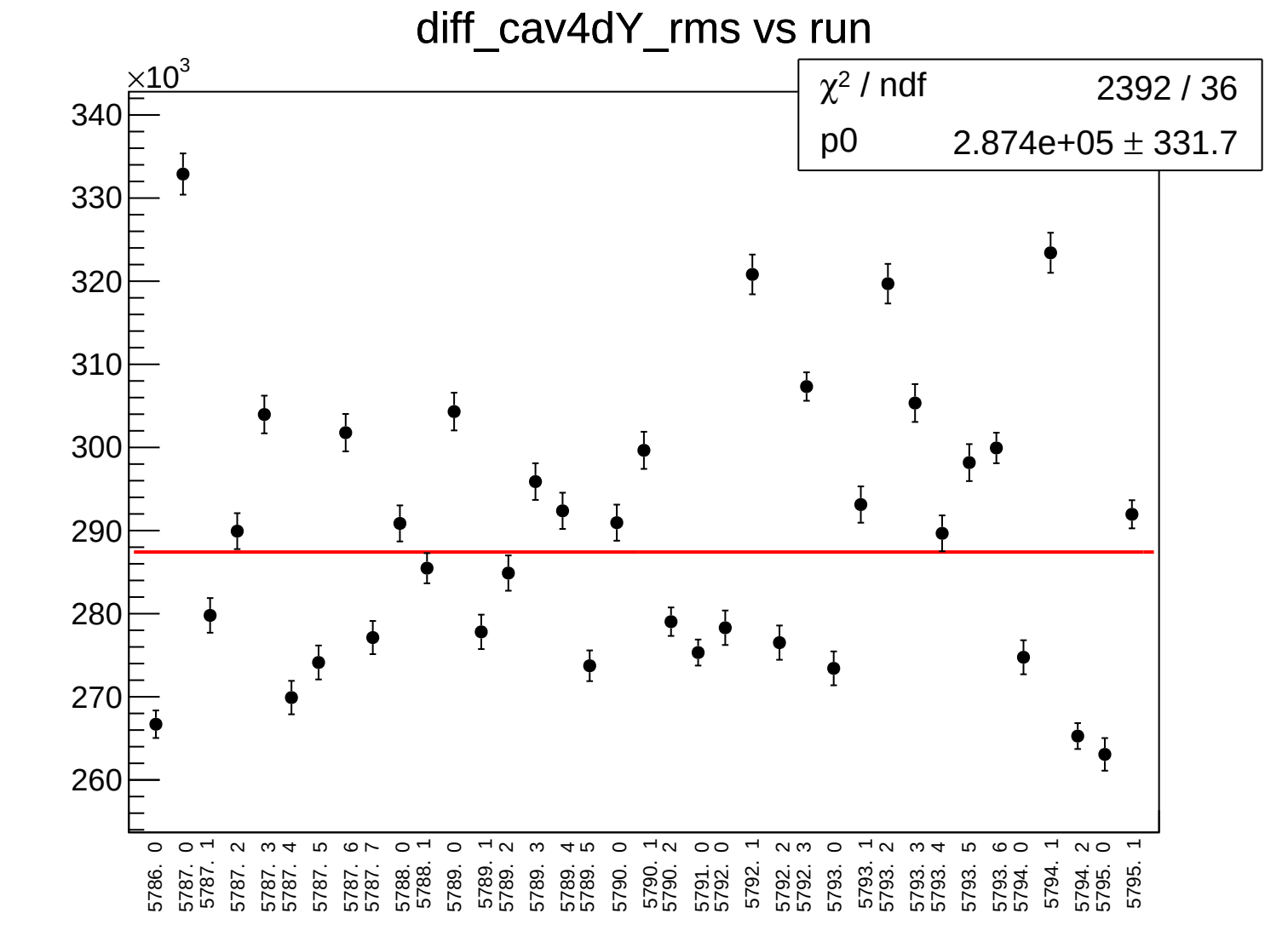

diff_cav4dX_mean vs run
χ² / ndf 46.19 / 36
p0 −3.04 ± 71.82
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.33
Std Dev 0
2
1
0
−1
−2

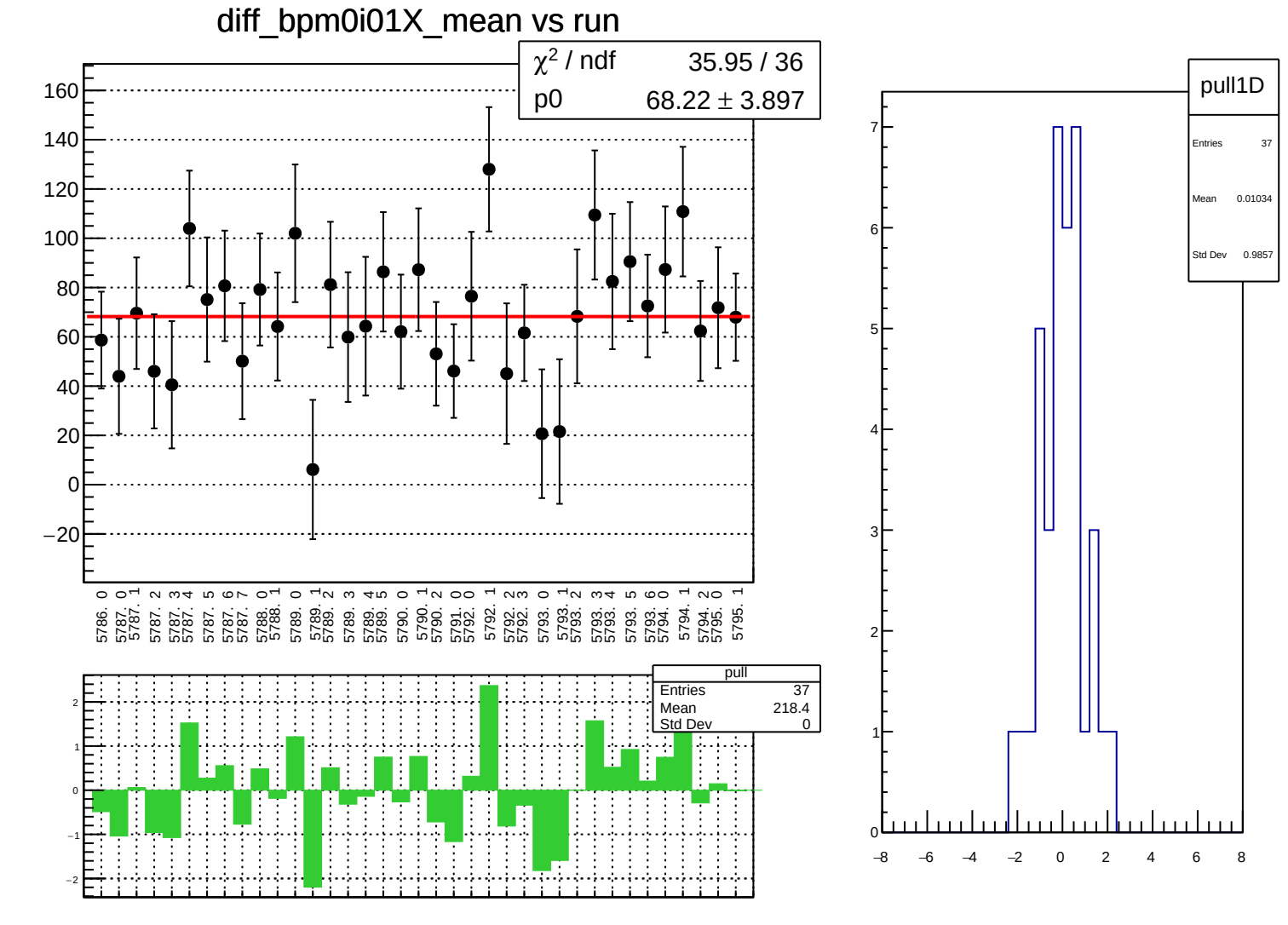

pull1D
Entries 37
Mean 0.2021
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

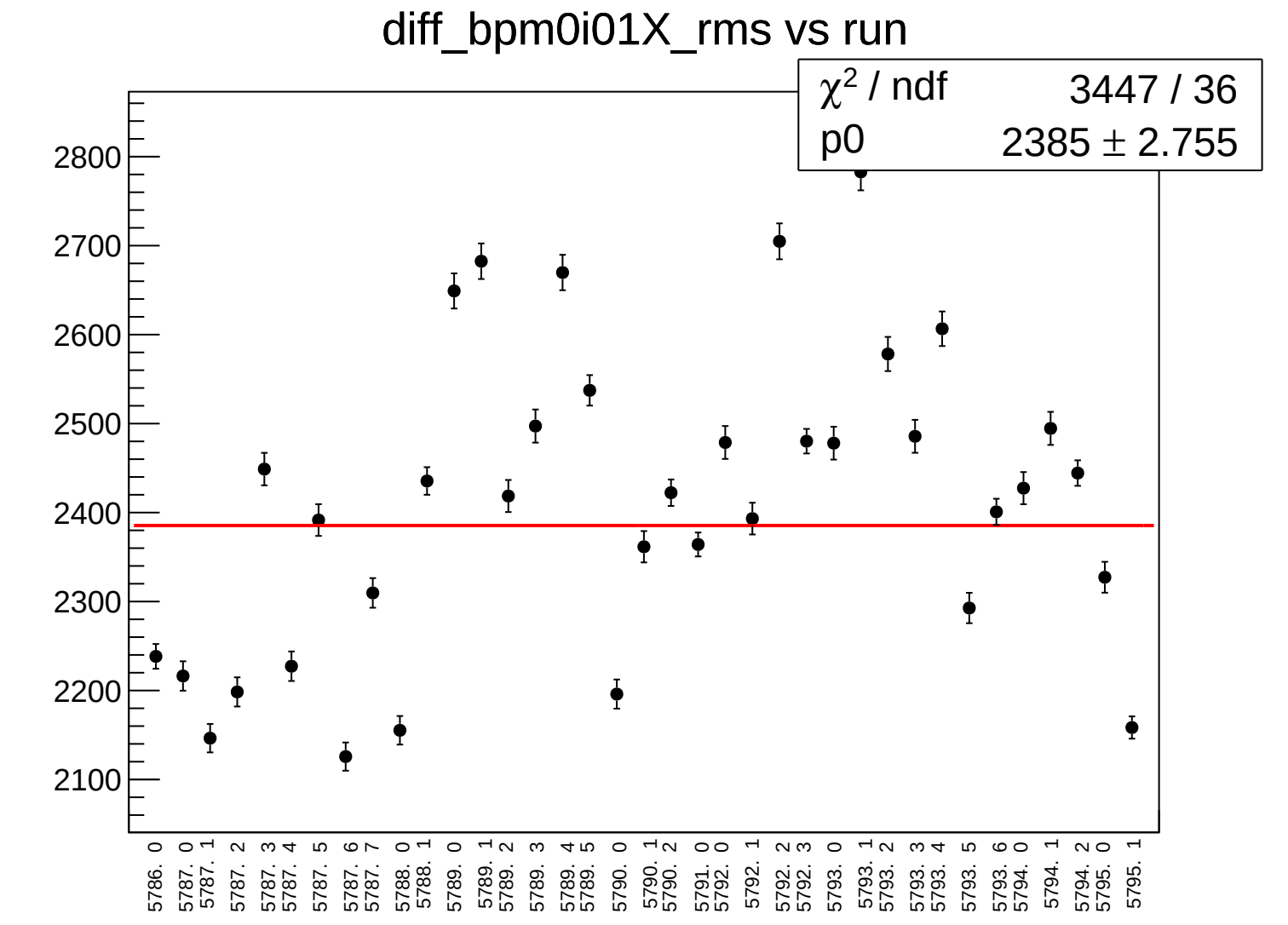

diff_cav4dX_rms vs run
×10^3
400
350
300
250
200
150
100
50
χ² / ndf 4.757e+05 / 36
p0 2.674e+04 ± 50.78
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

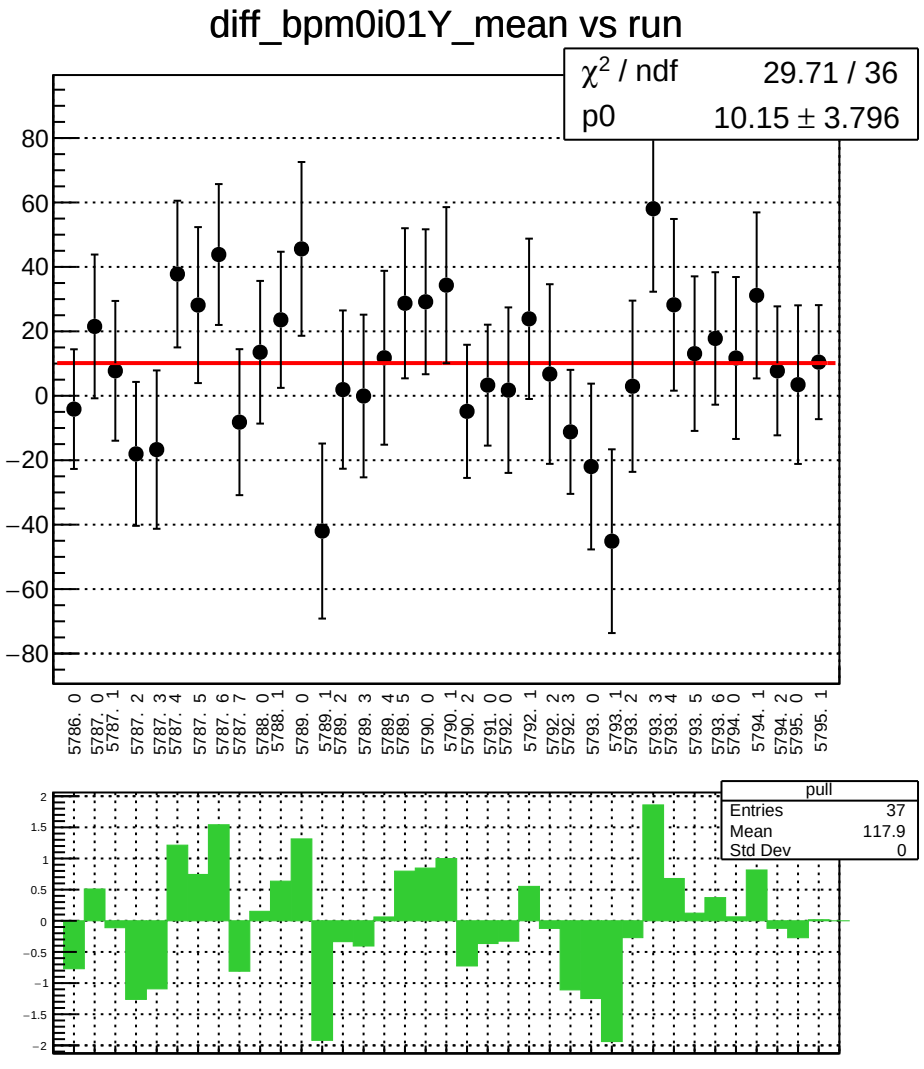

diff_cav4dY_mean vs run
χ² / ndf 41.62 / 36
p0 −177.8 ± 469.2
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.1
Std Dev 18.22
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

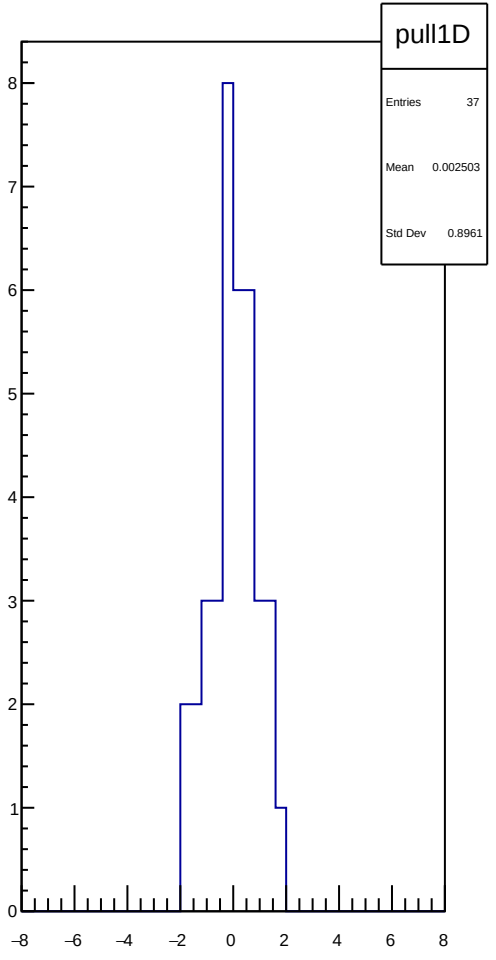

pull1D
Entries 37
Mean 0.0362
Std Dev 1.06
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

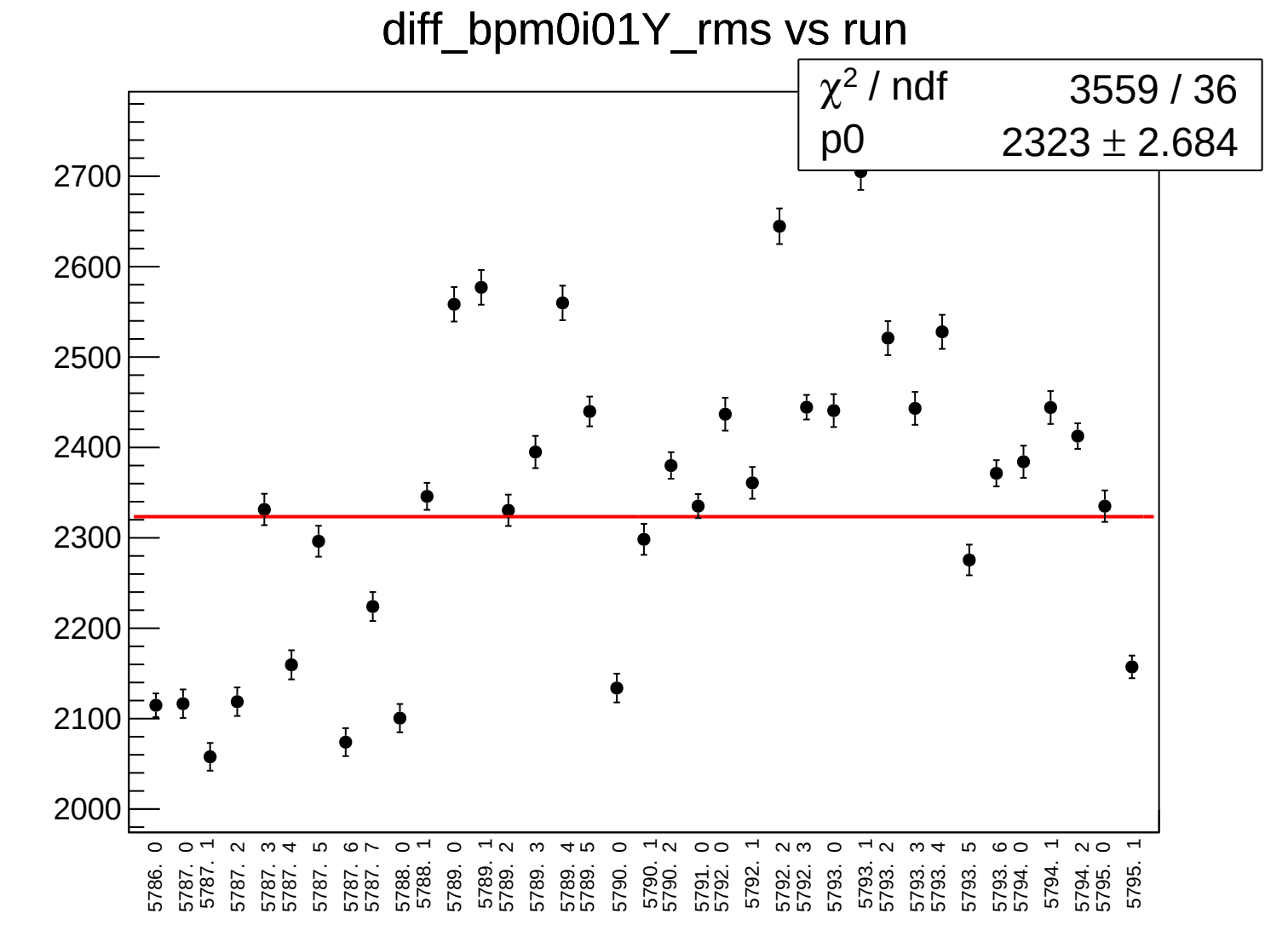

diff_cav4dY_rms vs run
χ² / ndf 2392 / 36
p0 2.874e+05 ± 331.7
×10³
340
330
320
310
300
290
280
270
260
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

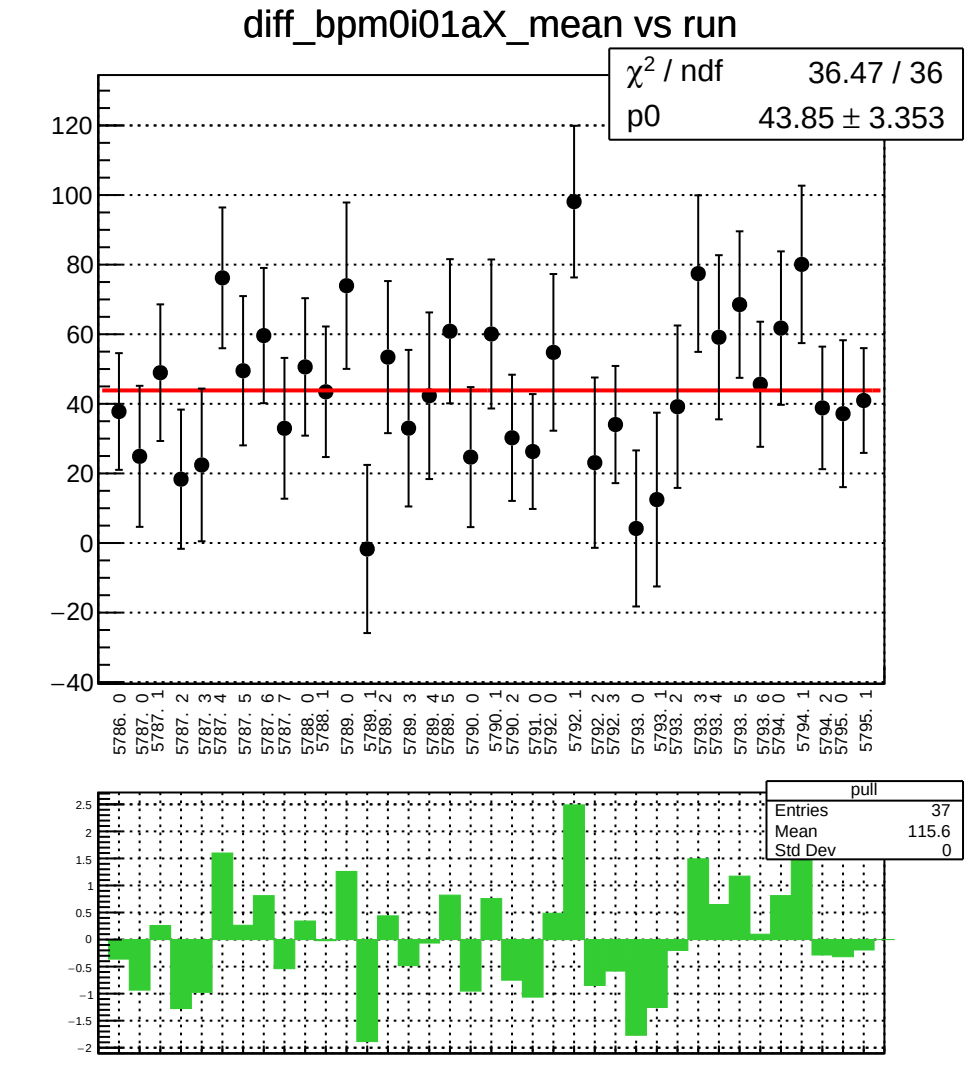

diff_bpm0i01X_mean vs run
χ² / ndf 35.95 / 36
p0 68.22 ± 3.897
160
140
120
100
80
60
40
20
0
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 218.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01034
Std Dev 0.9857
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

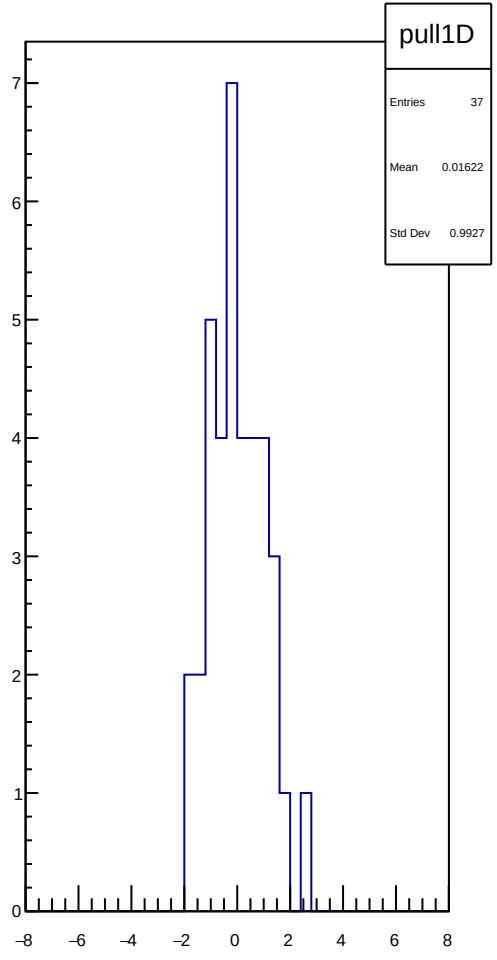

diff_bpm0i01X_rms vs run
χ² / ndf 3447 / 36
p0 2385 ± 2.755
2800
2700
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

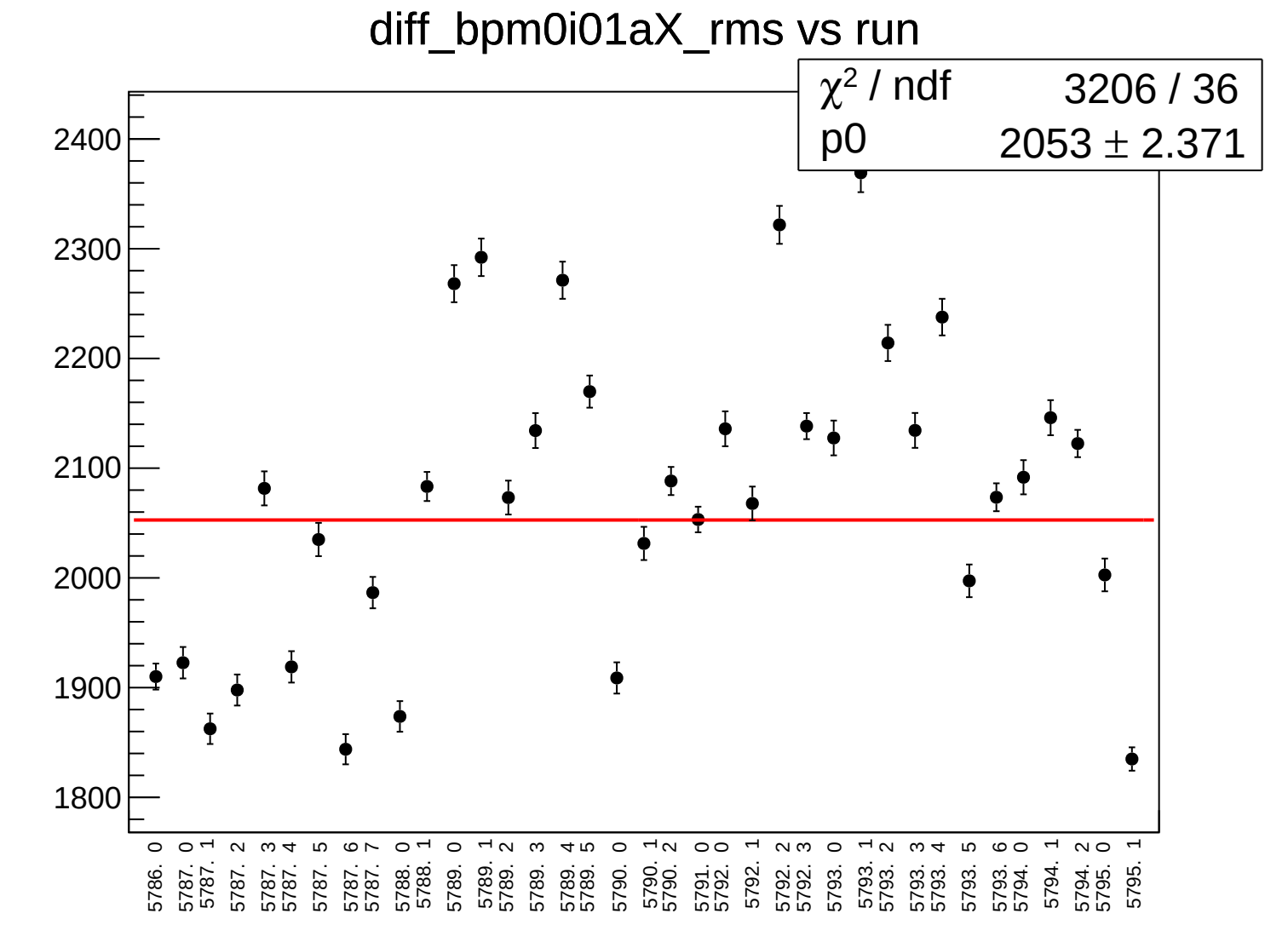

diff_bpm0i01Y_mean vs run
χ² / ndf 29.71 / 36
p0 10.15 ± 3.796
pull
Entries 37
Mean 117.9
Std Dev 0

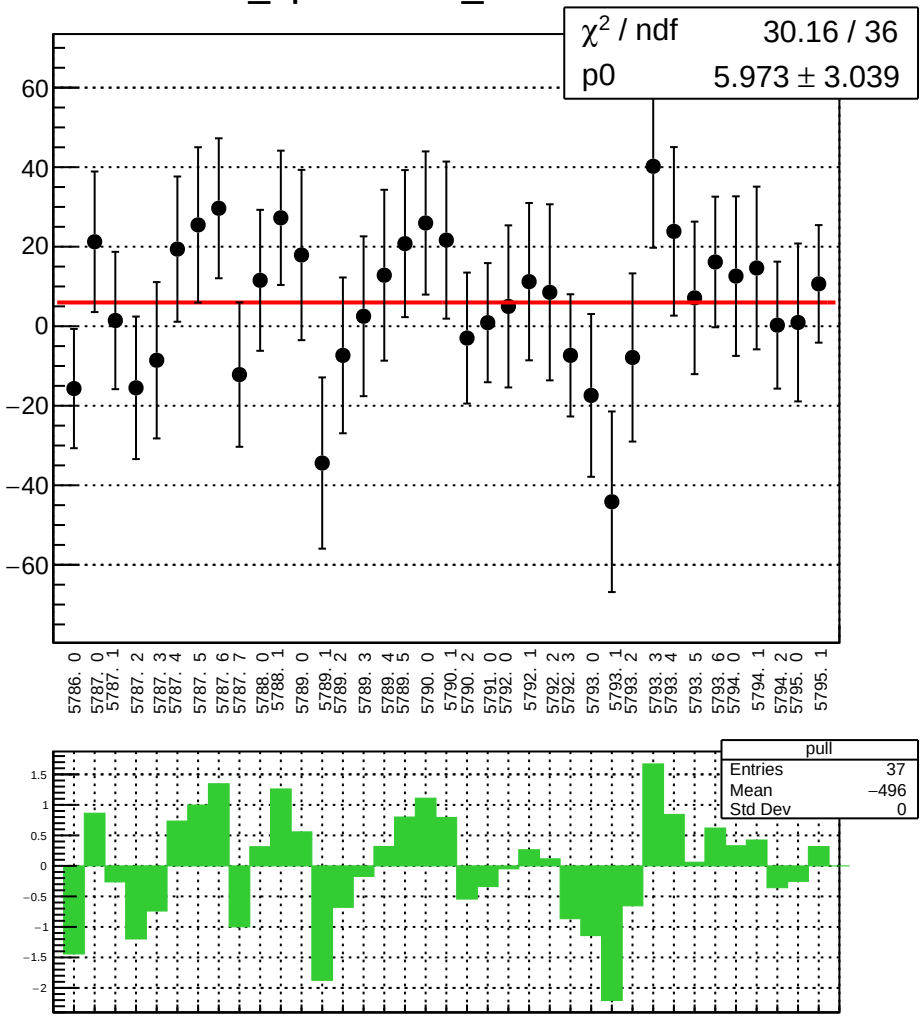

pull1D
Entries 37
Mean 0.002503
Std Dev 0.8961

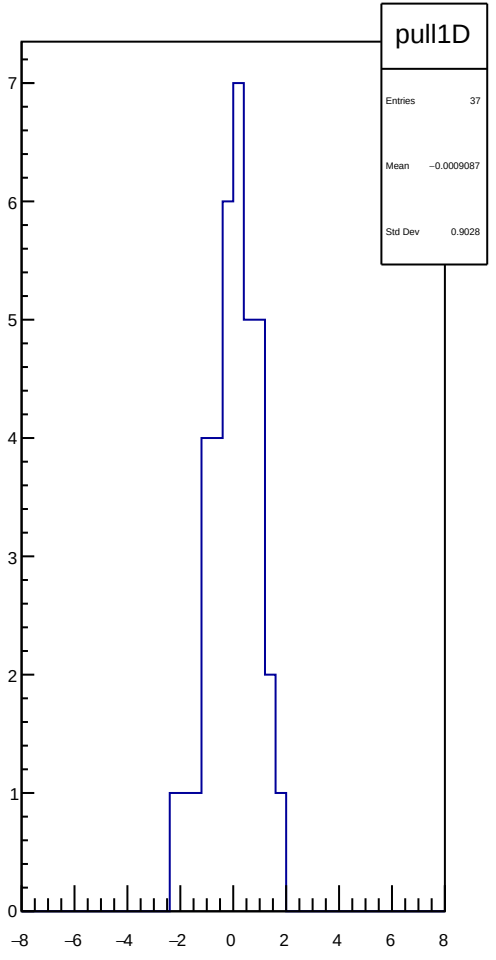

diff_bpm0i01Y_rms vs run
χ² / ndf 3559 / 36
p0 2323 ± 2.684
2700
2600
2500
2400
2300
2200
2100
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

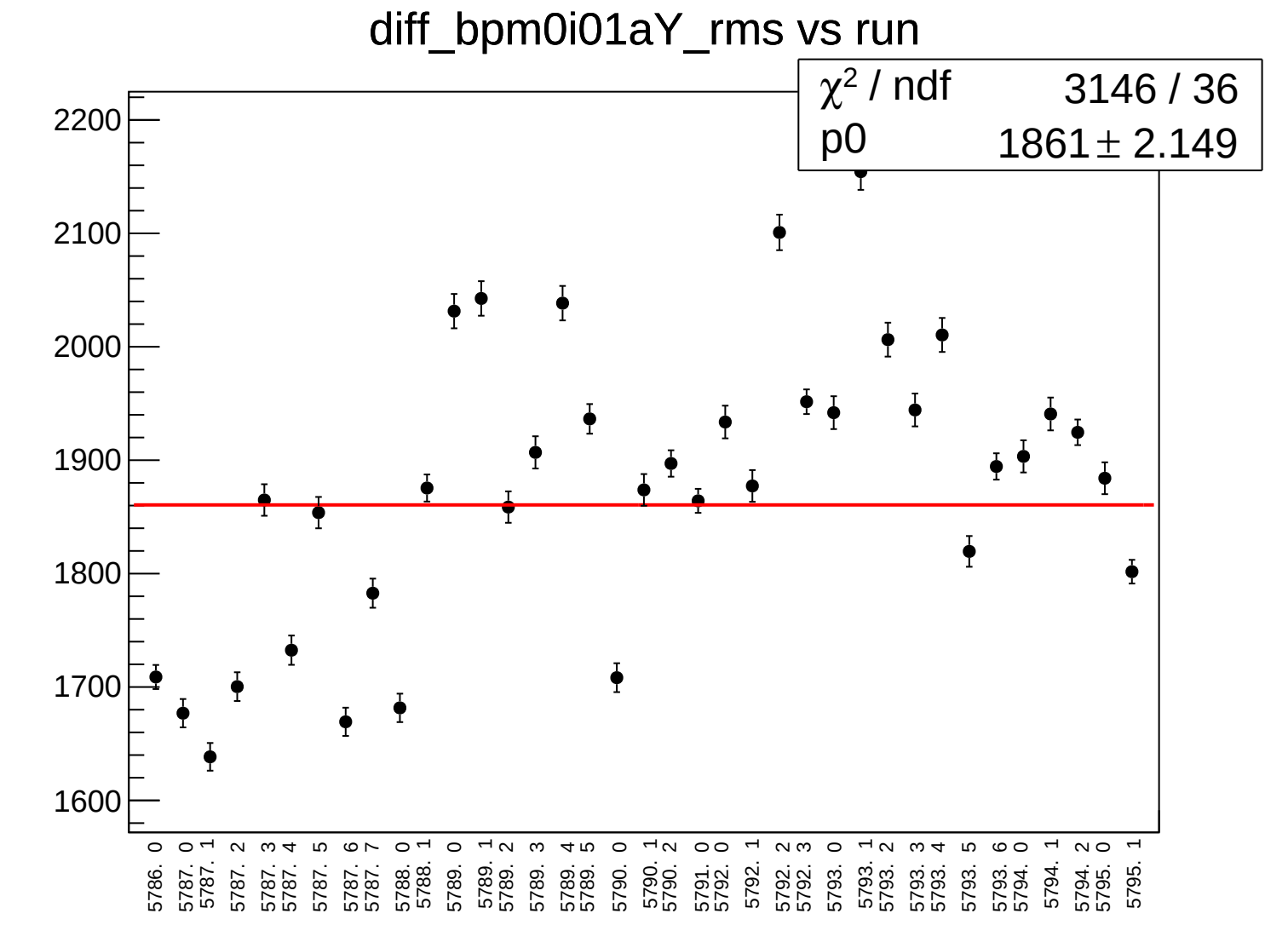

diff_bpm0i01aX_mean vs run
χ² / ndf 36.47 / 36
p0 43.85 ± 3.353
pull
Entries 37
Mean 115.6
Std Dev 0

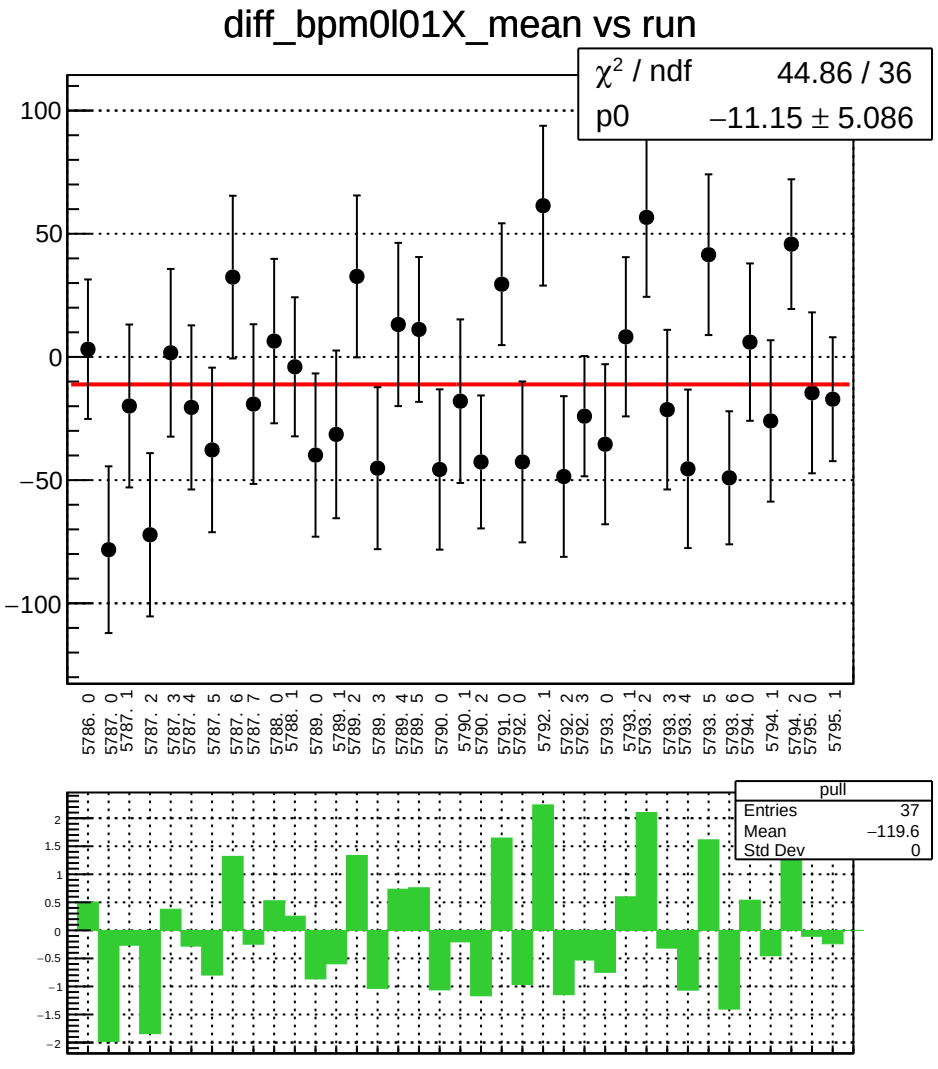

pull1D
Entries 37
Mean 0.01622
Std Dev 0.9927

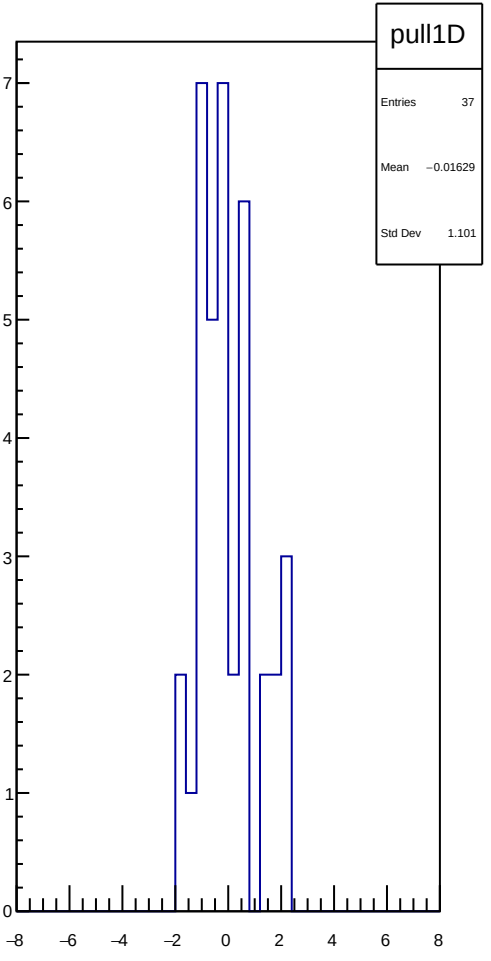

diff_bpm0i01aX_rms vs run
χ² / ndf 3206 / 36
p0 2053 ± 2.371
2400
2300
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

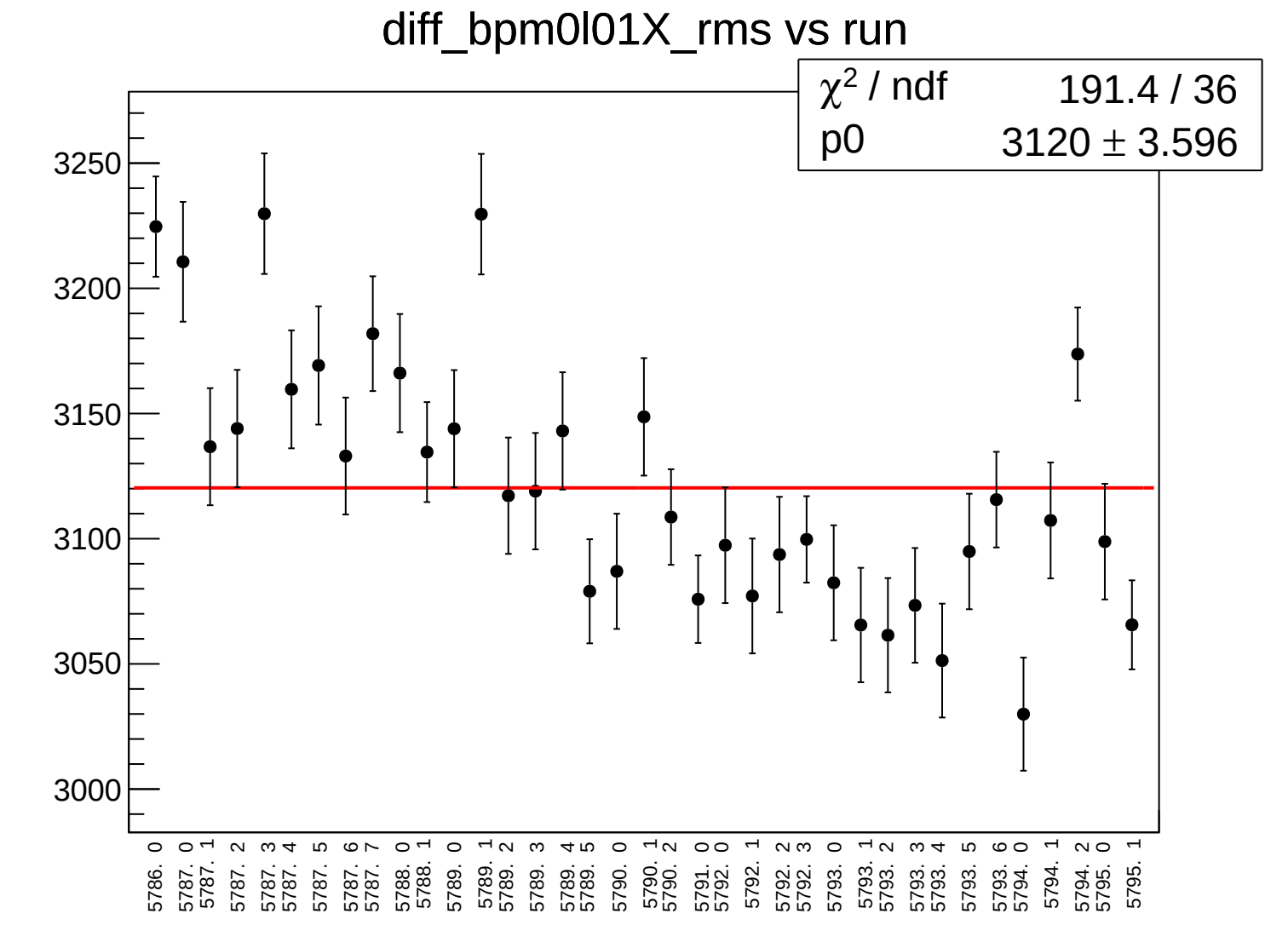

diff_bpm0i01aY_mean vs run
χ² / ndf 30.16 / 36
p0 5.973 ± 3.039
pull
Entries 37
Mean −496
Std Dev 0

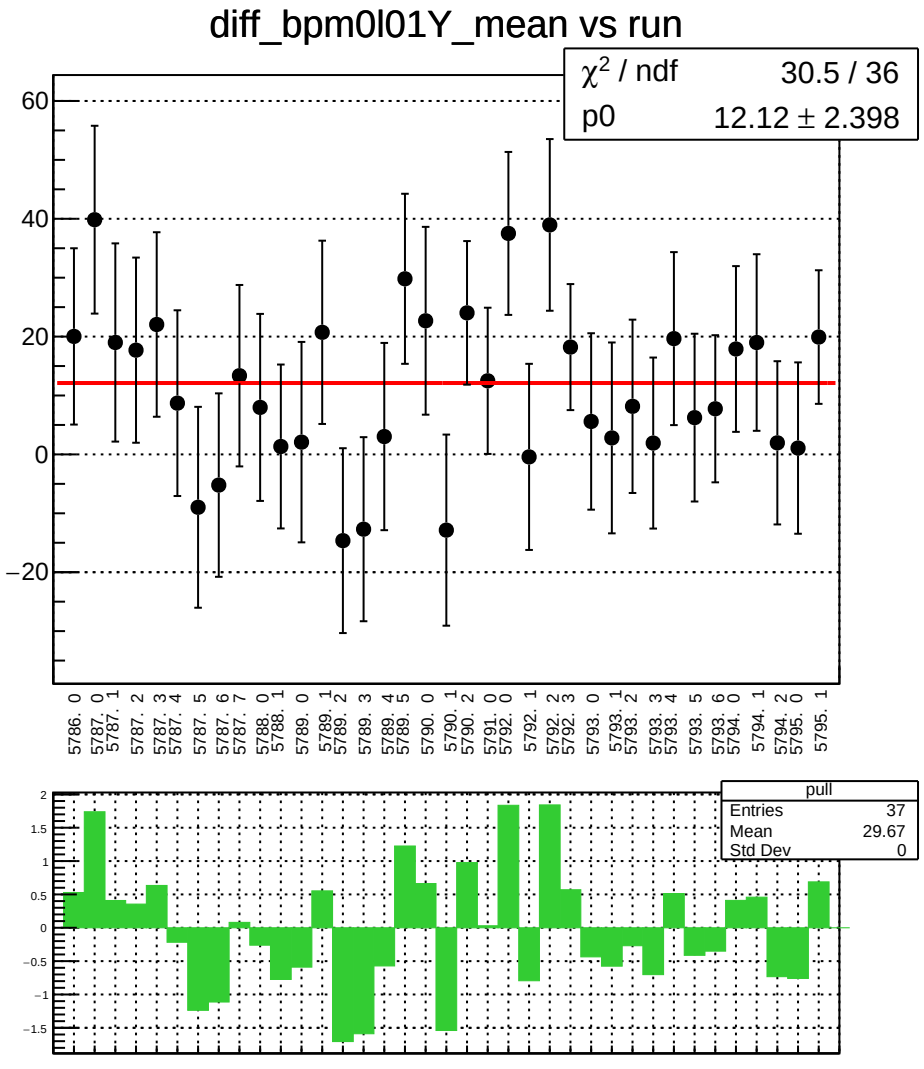

pull1D
Entries 37
Mean −0.0009087
Std Dev 0.9028

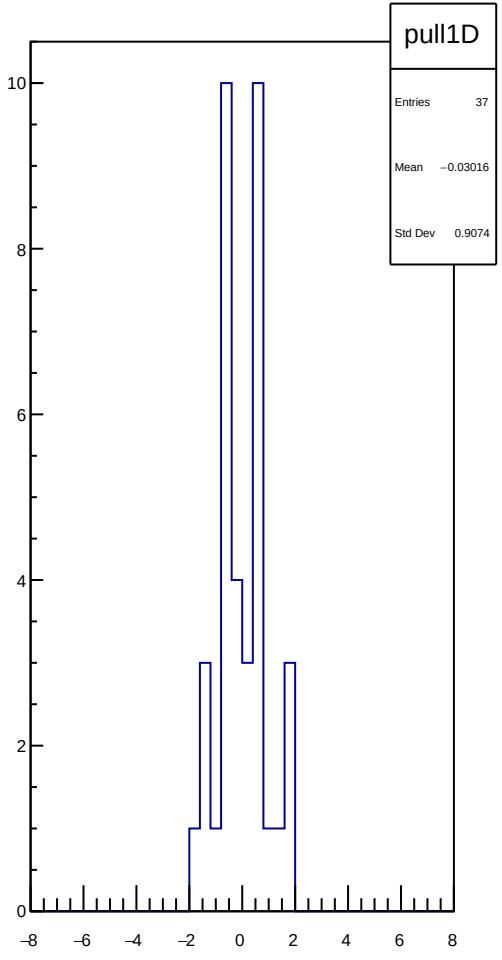

diff_bpm0i01aY_rms vs run
χ² / ndf 3146 / 36
p0 1861 ± 2.149
2200
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

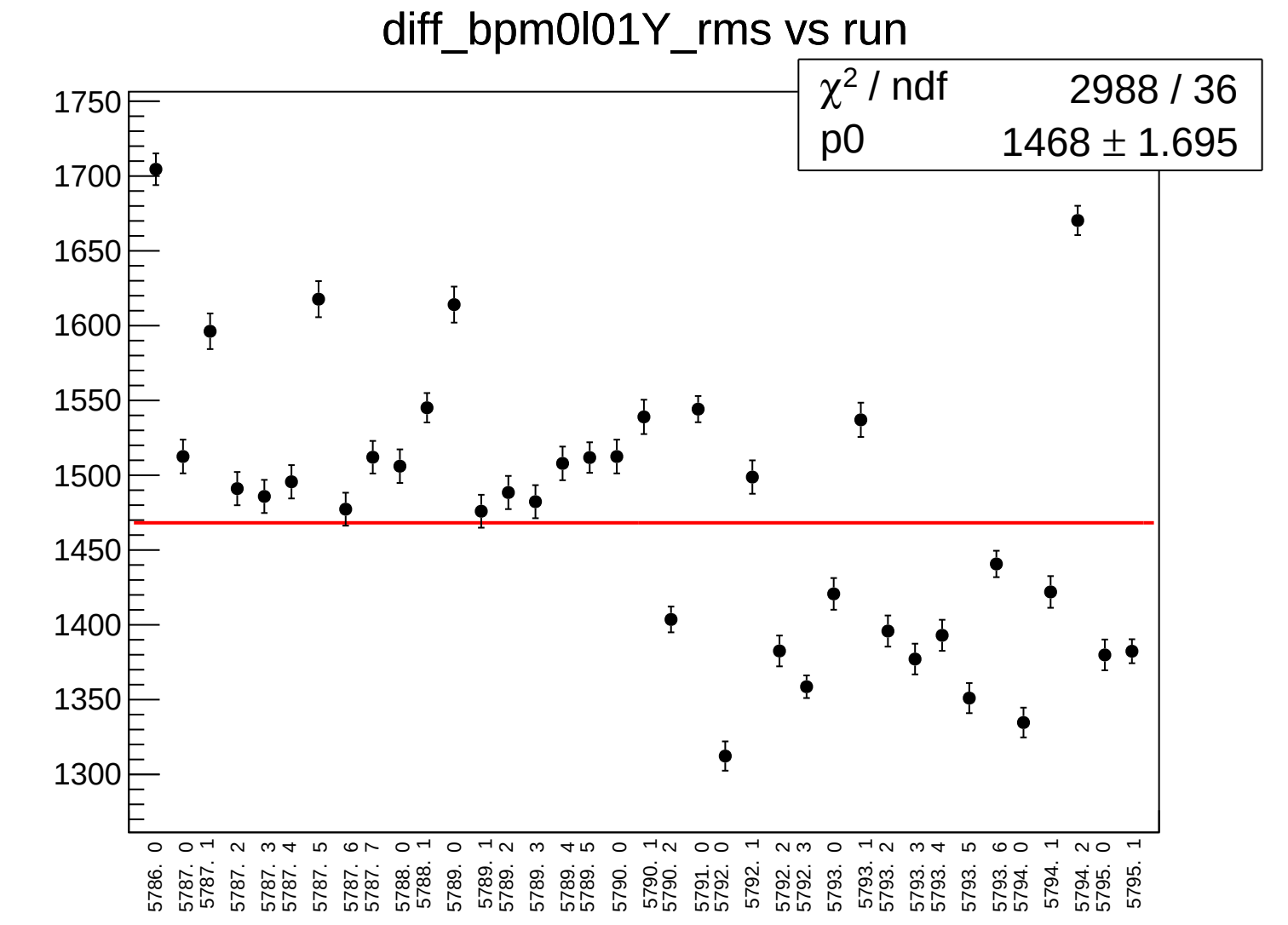

diff_bpm0l01X_mean vs run
χ² / ndf 44.86 / 36
p0 −11.15 ± 5.086
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −119.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

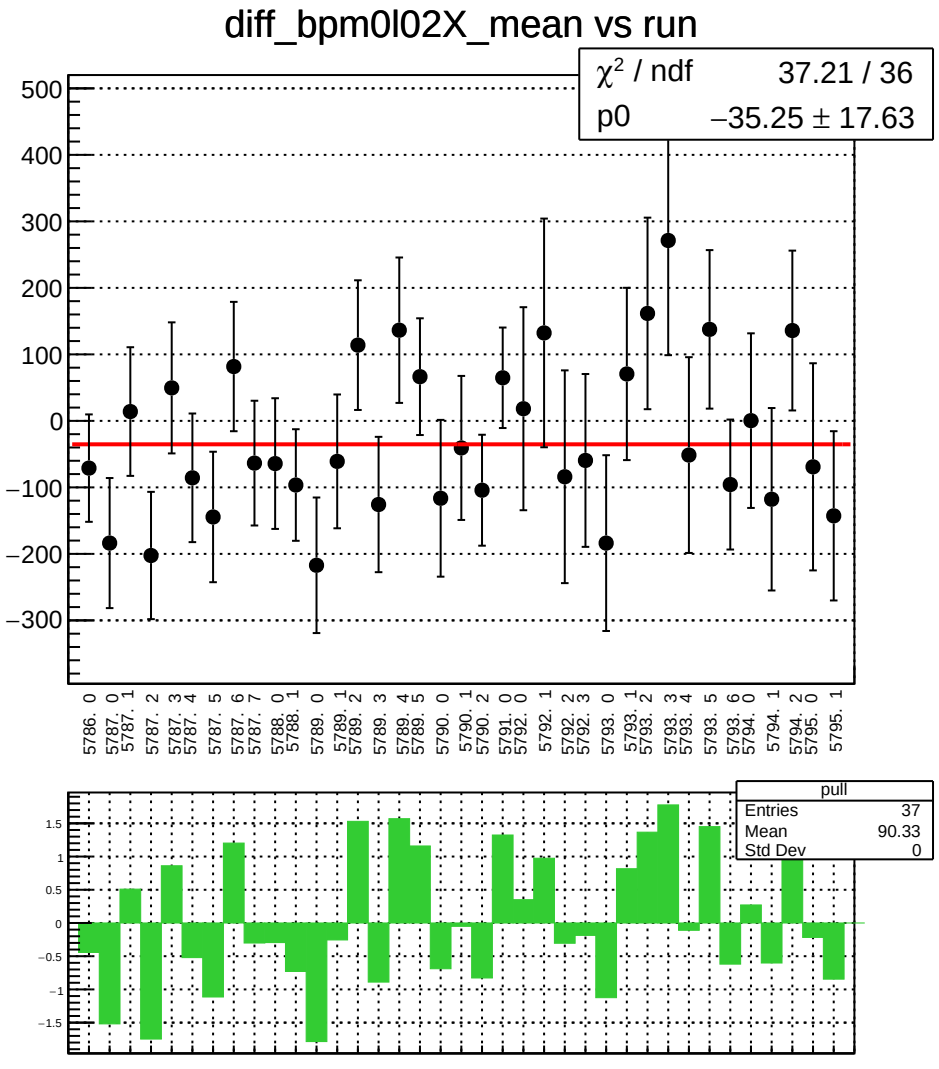

pull1D
Entries 37
Mean −0.01629
Std Dev 1.101
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

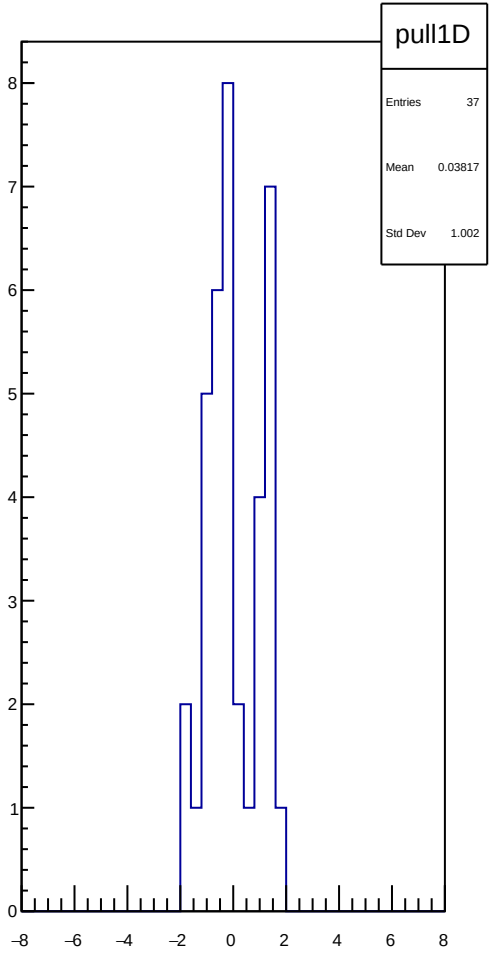

diff_bpm0l01X_rms vs run
χ² / ndf 191.4 / 36
p0 3120 ± 3.596
3250
3200
3150
3100
3050
3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

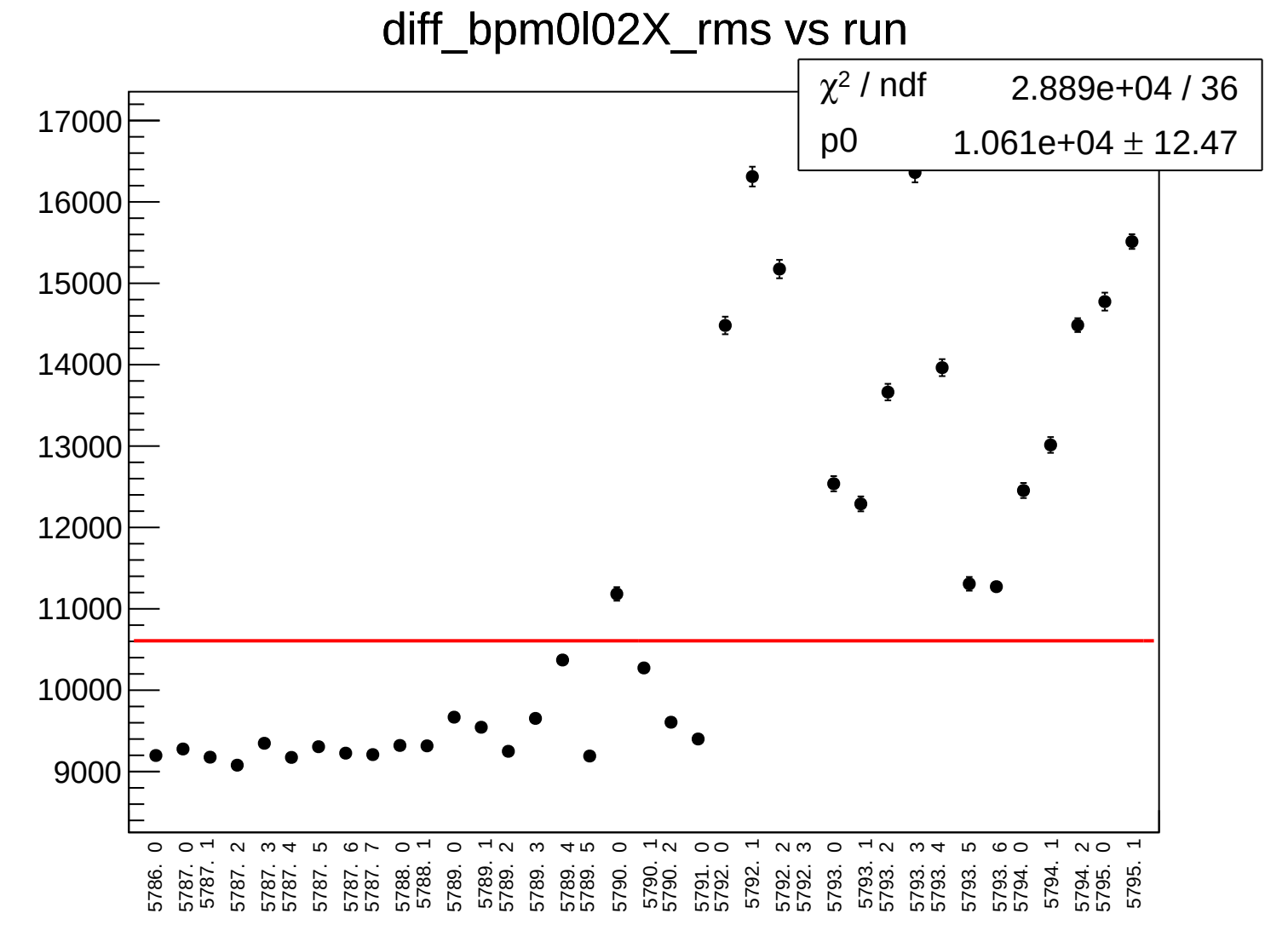

diff_bpm0l01Y_mean vs run
χ² / ndf 30.5 / 36
p0 12.12 ± 2.398
60
40
20
0
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

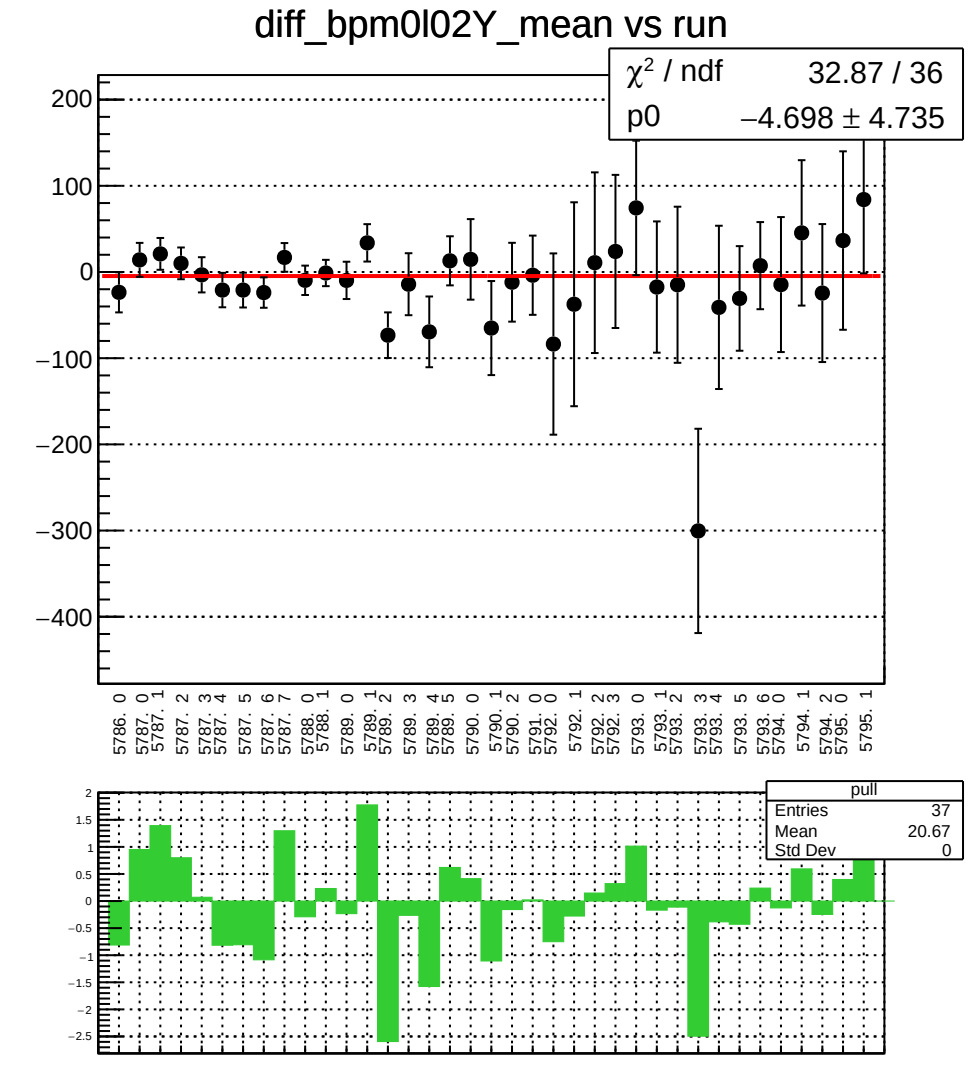

pull1D
Entries 37
Mean −0.03016
Std Dev 0.9074
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

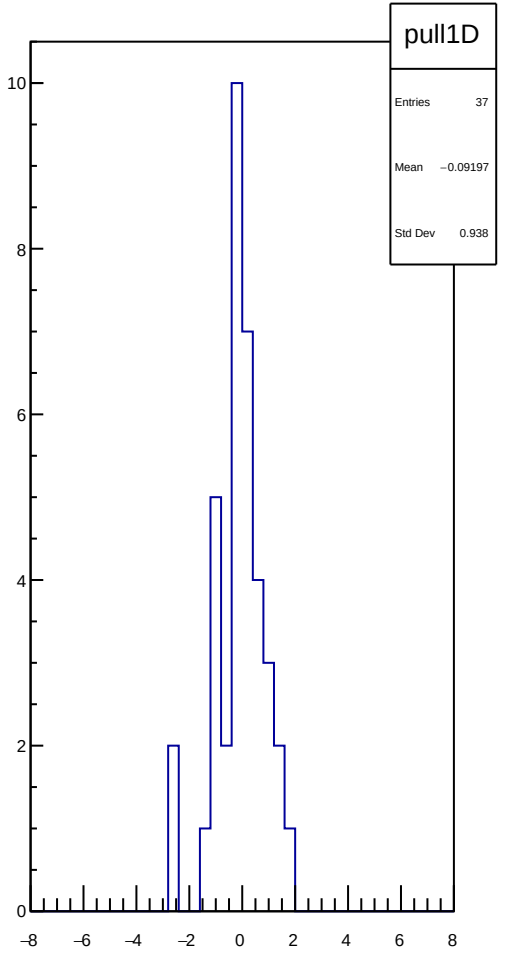

diff_bpm0l01Y_rms vs run
χ² / ndf 2988 / 36
p0 1468 ± 1.695
1750
1700
1650
1600
1550
1500
1450
1400
1350
1300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

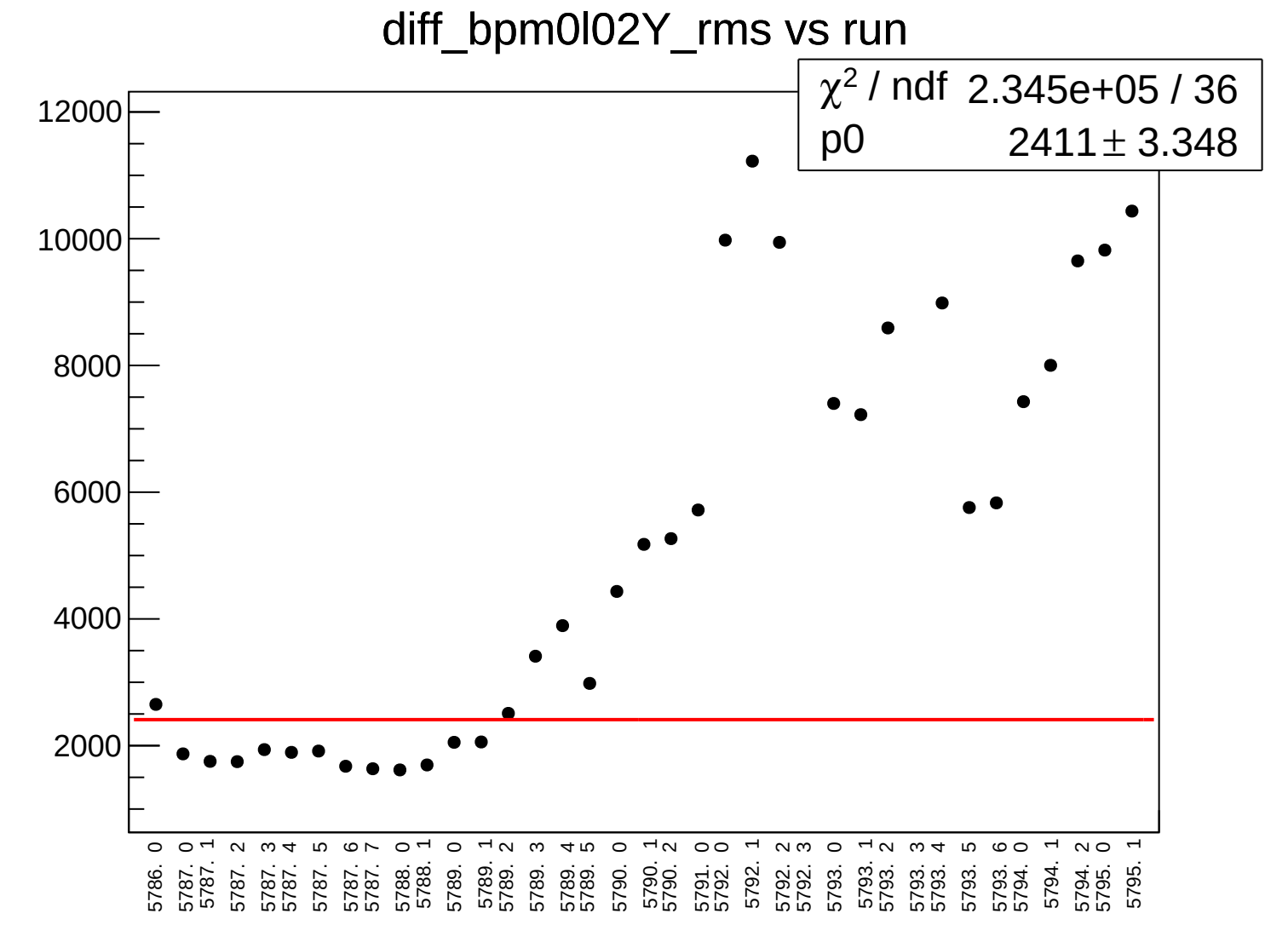

diff_bpm0l02X_mean vs run
χ² / ndf 37.21 / 36
p0 −35.25 ± 17.63
pull
Entries 37
Mean 90.33
Std Dev 0

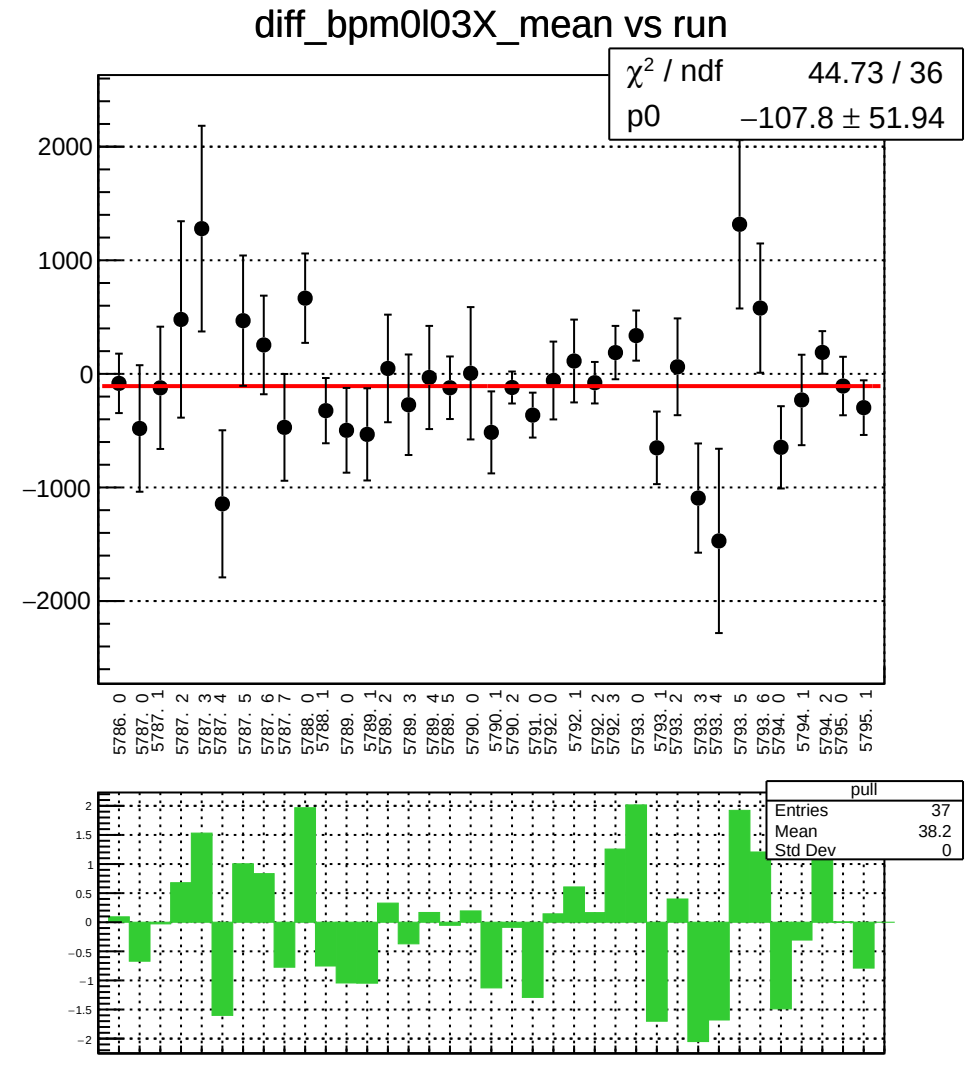

pull1D
Entries 37
Mean 0.03817
Std Dev 1.002

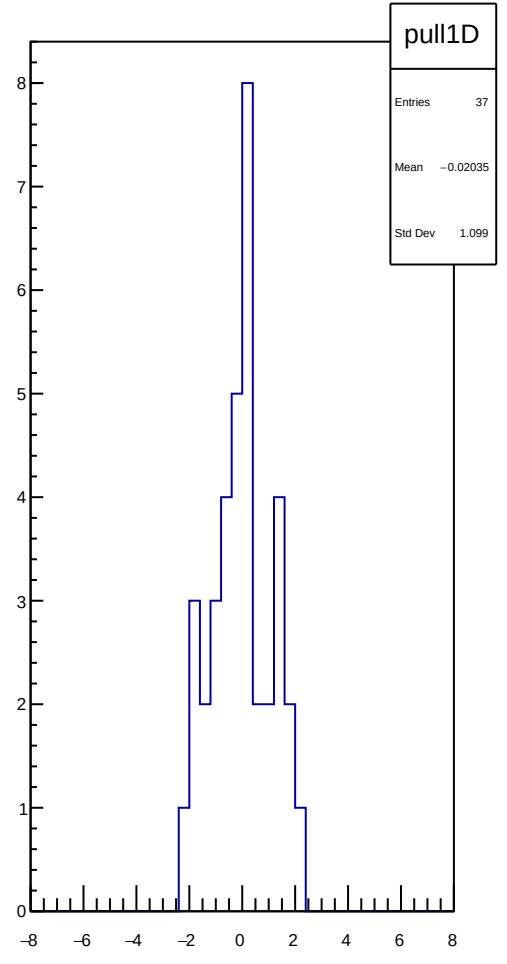

diff_bpm0l02X_rms vs run
χ² / ndf 2.889e+04 / 36
p0 1.061e+04 ± 12.47
17000
16000
15000
14000
13000
12000
11000
10000
9000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

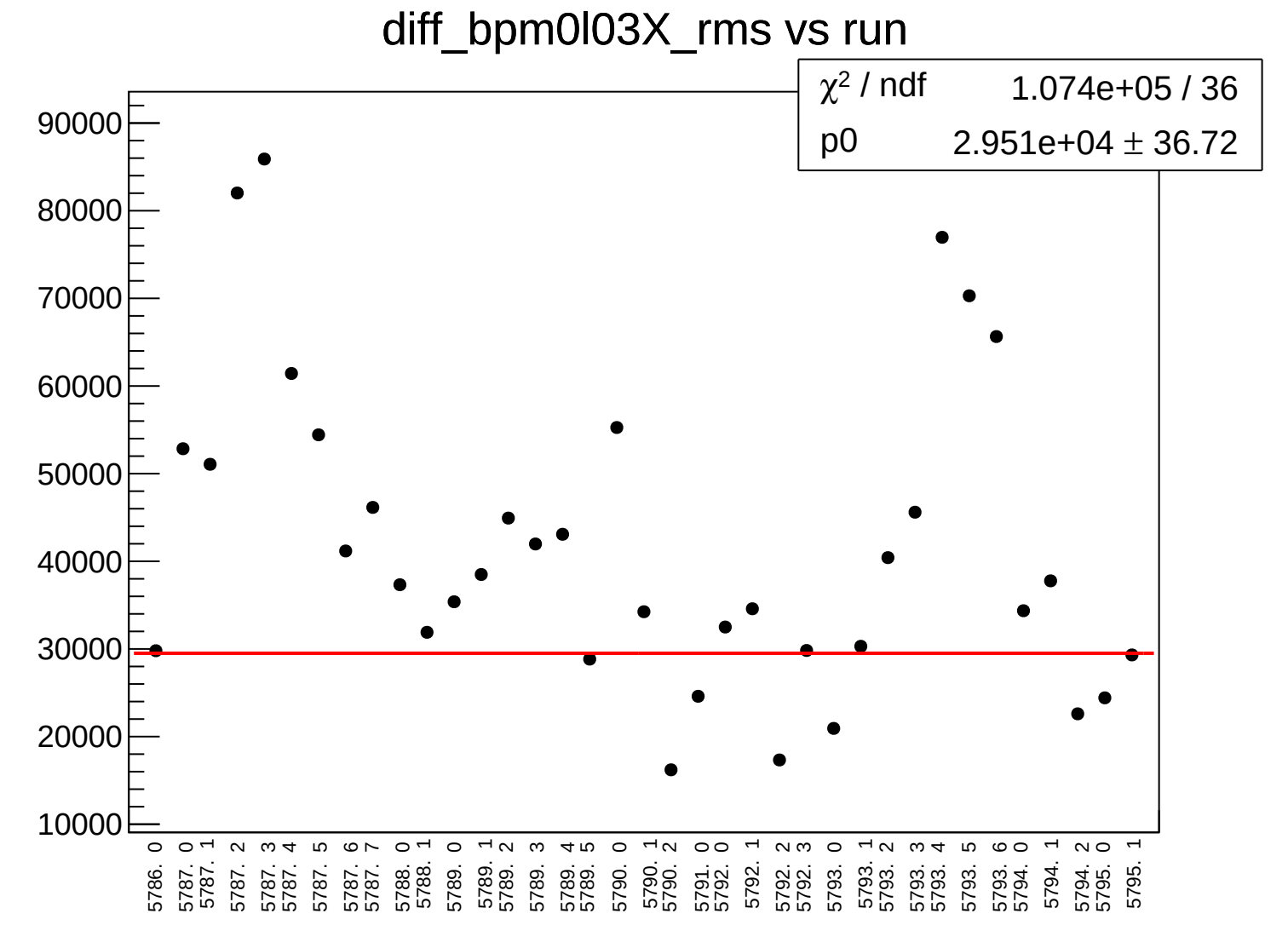

diff_bpm0l02Y_mean vs run
χ² / ndf 32.87 / 36
p0 −4.698 ± 4.735
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.67
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

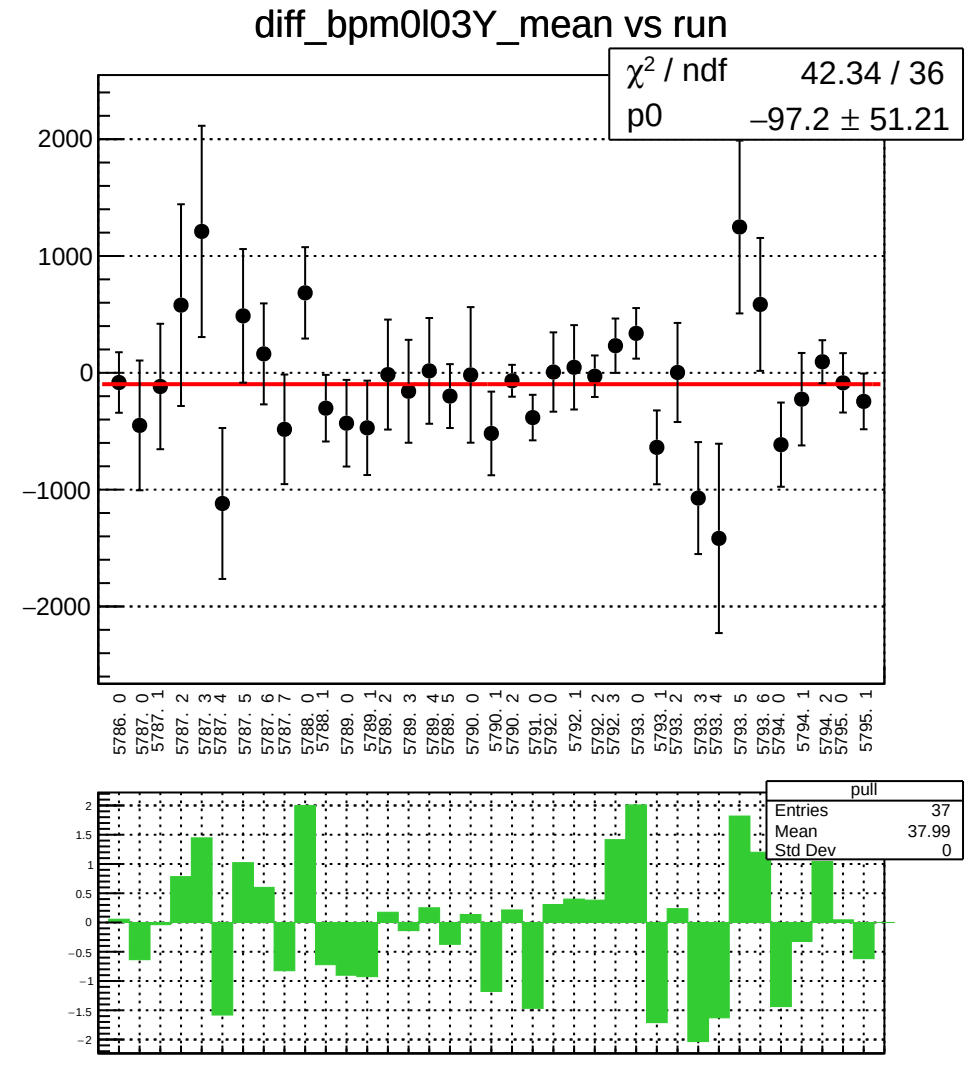

pull1D
Entries 37
Mean −0.09197
Std Dev 0.938
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

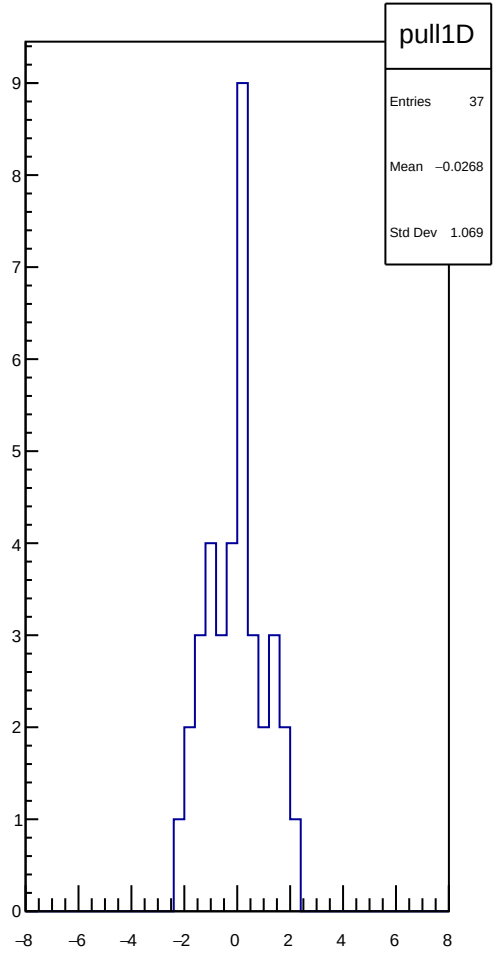

diff_bpm0l02Y_rms vs run
χ² / ndf 2.345e+05 / 36
p0 2411 ± 3.348
12000
10000
8000
6000
4000
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

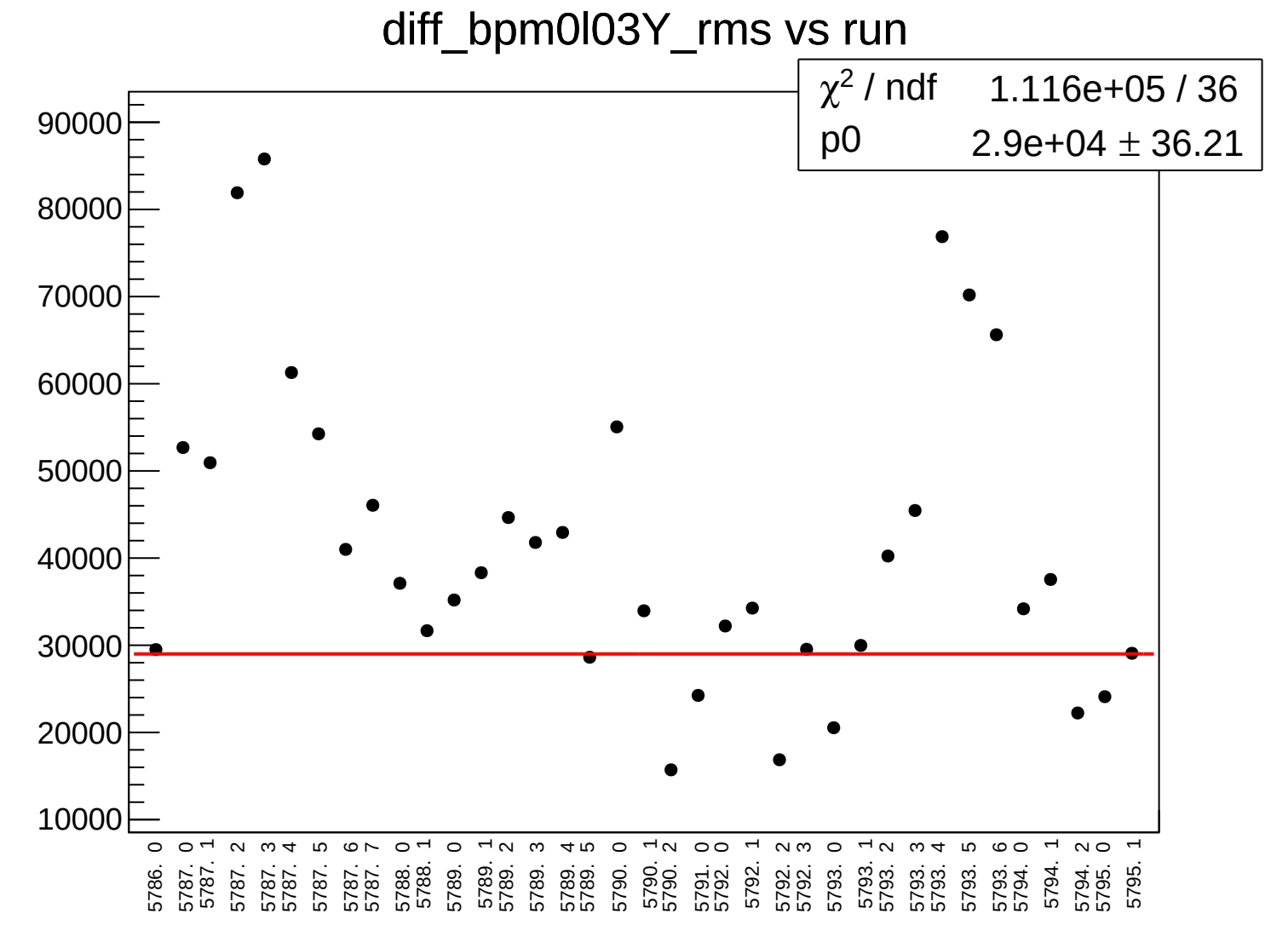

diff_bpm0l03X_mean vs run
χ² / ndf 44.73 / 36
p0 −107.8 ± 51.94
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 38.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

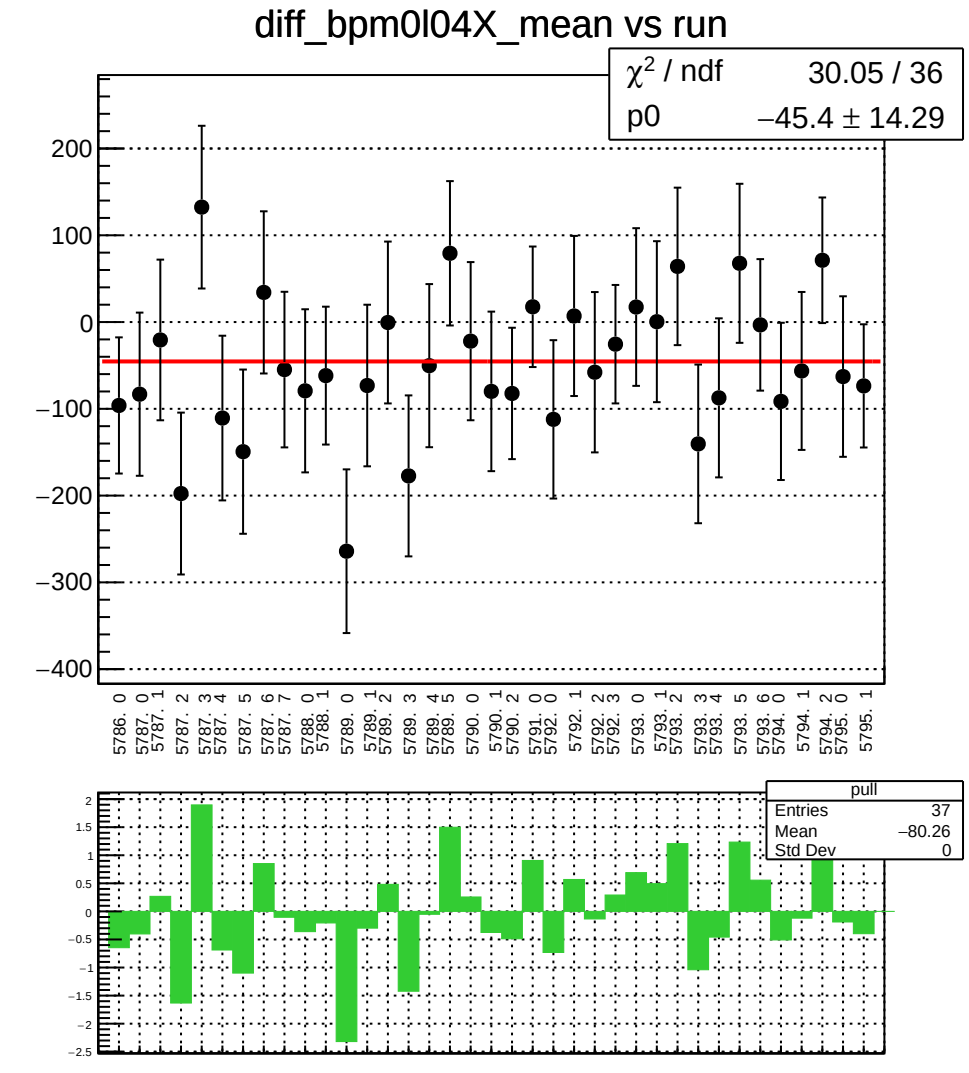

pull1D
Entries 37
Mean −0.02035
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

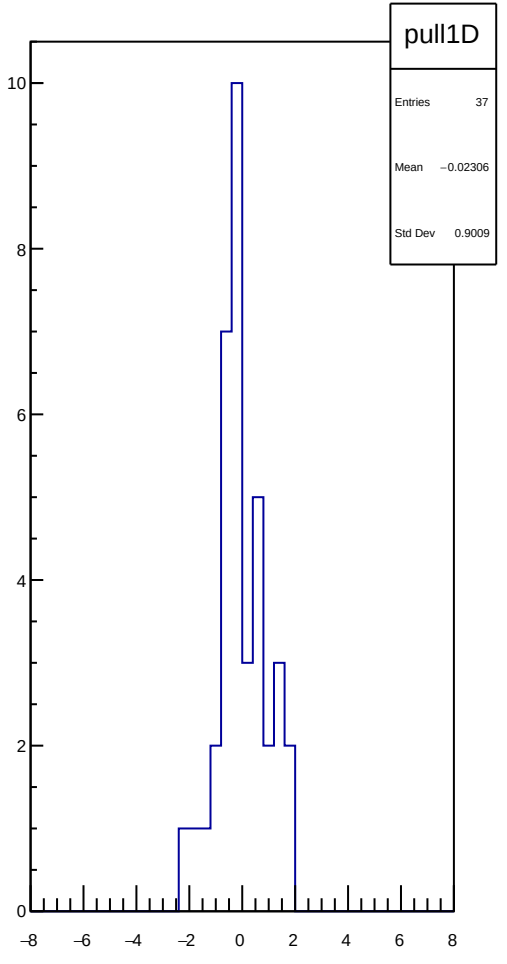

diff_bpm0l03X_rms vs run
χ² / ndf 1.074e+05 / 36
p0 2.951e+04 ± 36.72
90000
80000
70000
60000
50000
40000
30000
20000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

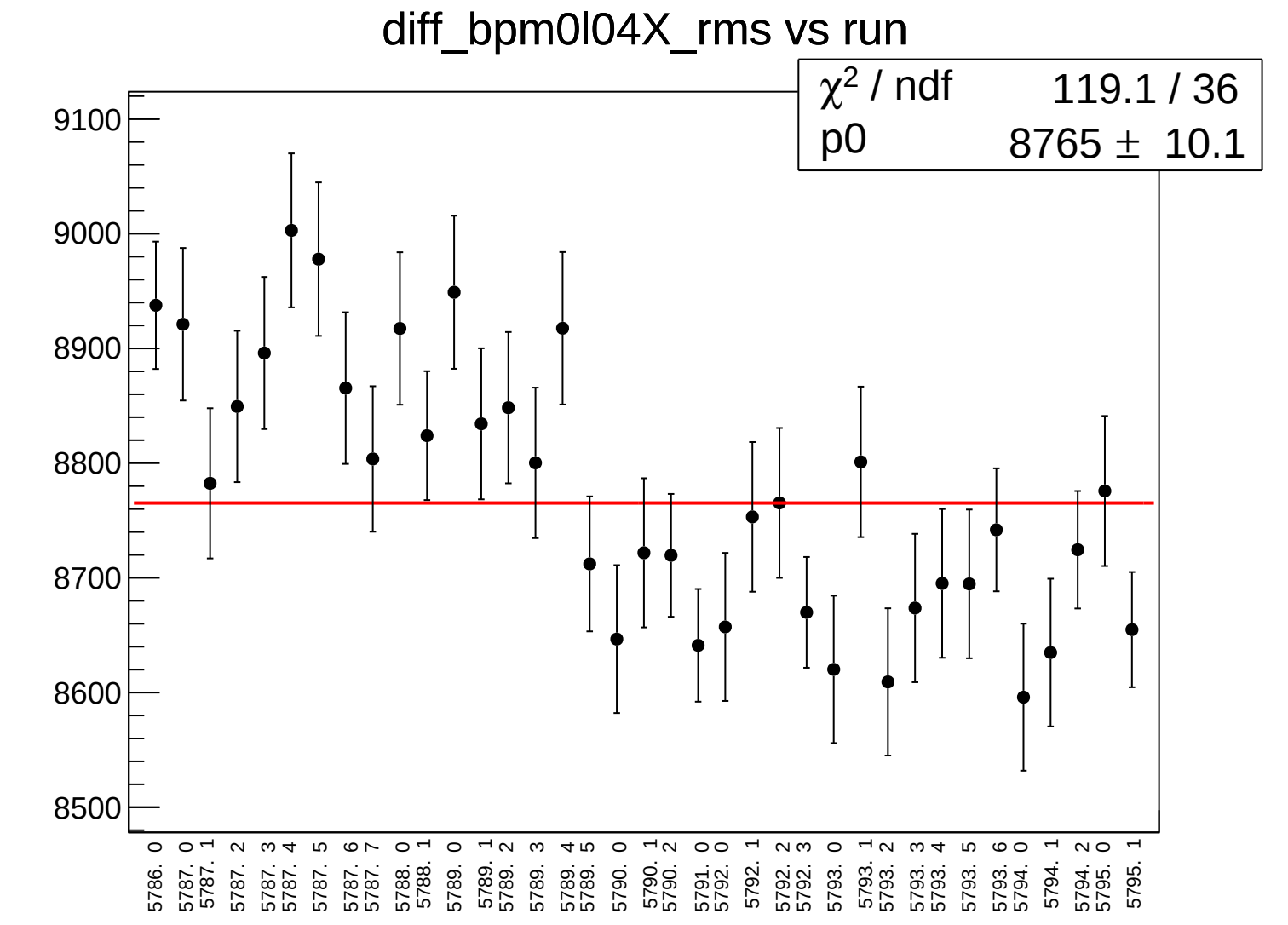

diff_bpm0l03Y_mean vs run
χ² / ndf 42.34 / 36
p0 −97.2 ± 51.21
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 37.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

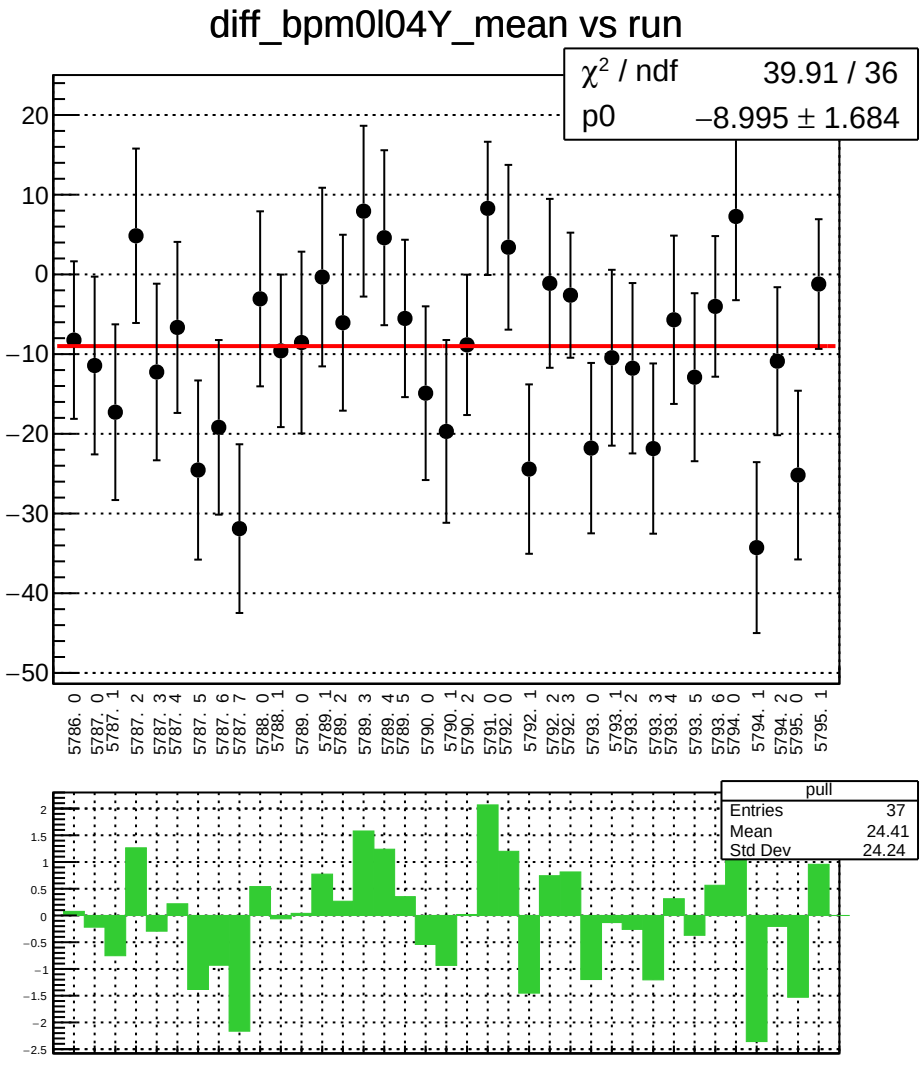

pull1D
Entries 37
Mean −0.0268
Std Dev 1.069
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

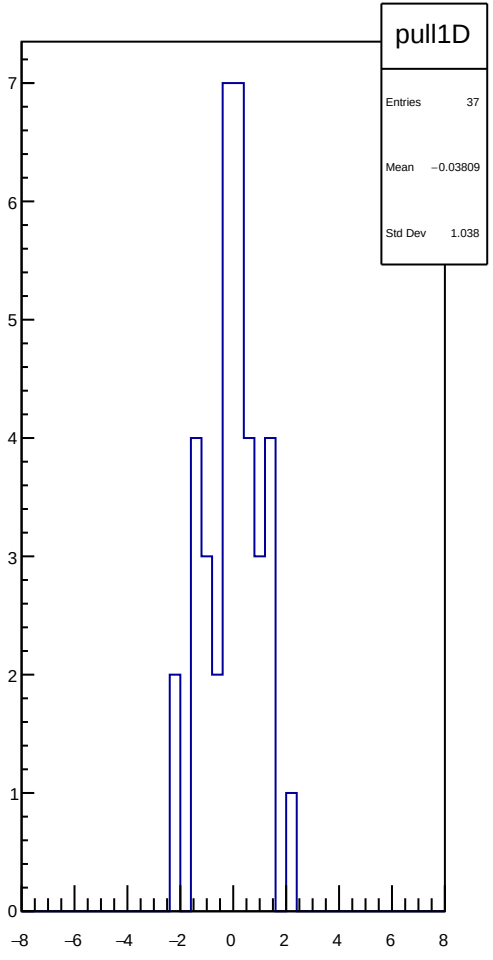

diff_bpm0l03Y_rms vs run
χ² / ndf 1.116e+05 / 36
p0 2.9e+04 ± 36.21
90000
80000
70000
60000
50000
40000
30000
20000
10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

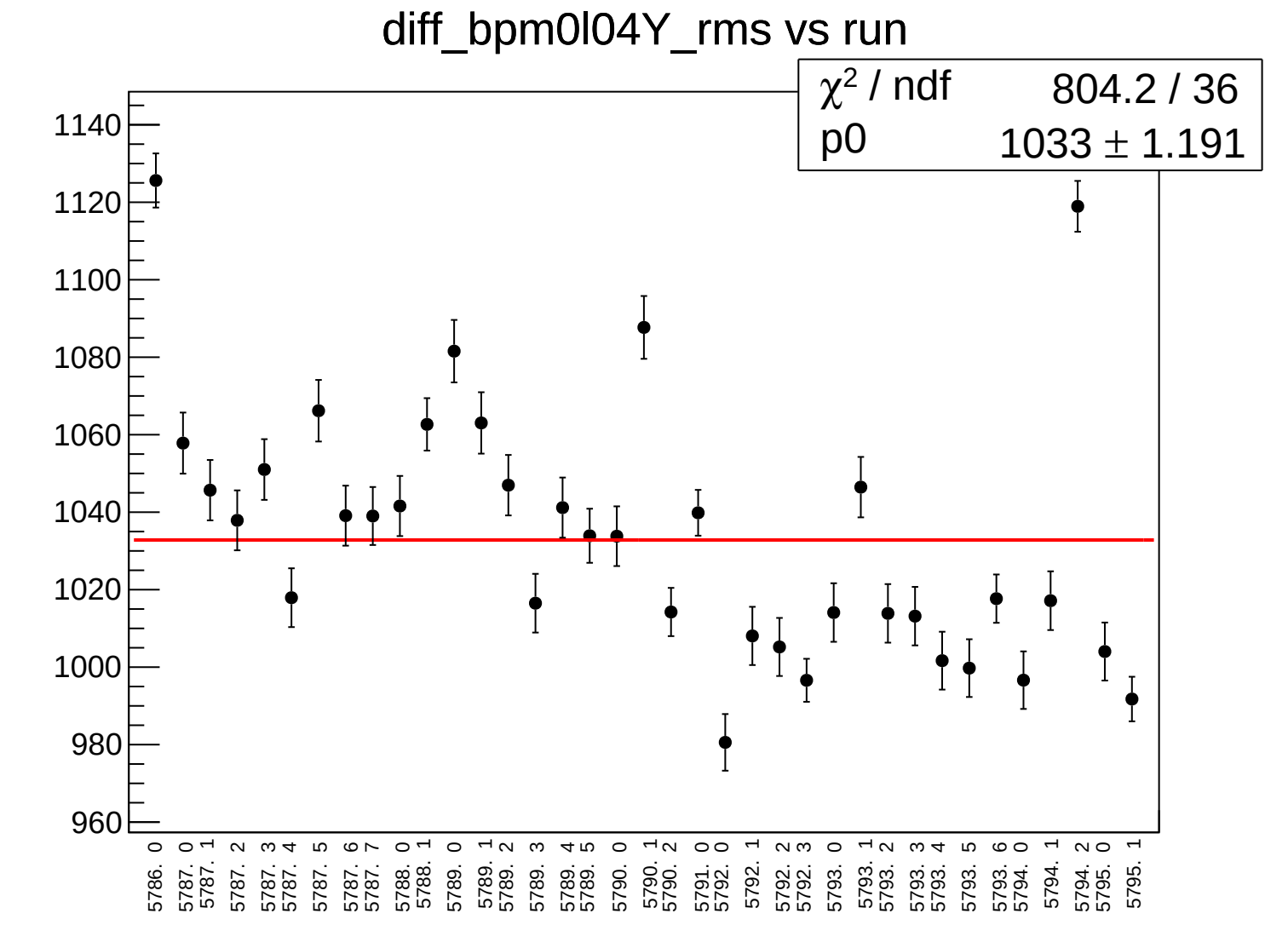

diff_bpm0l04X_mean vs run
χ² / ndf 30.05 / 36
p0 −45.4 ± 14.29
200
100
0
−100
−200
−300
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −80.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

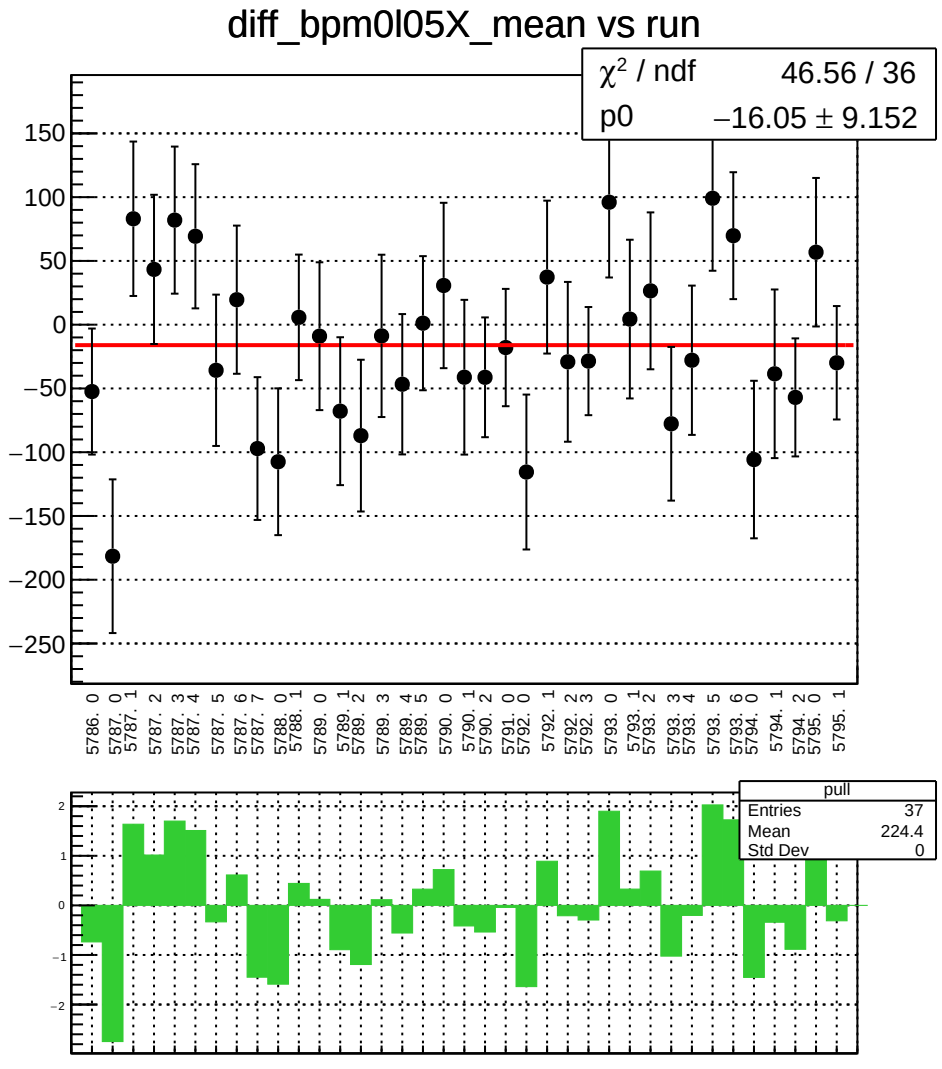

pull1D
Entries 37
Mean −0.02306
Std Dev 0.9009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

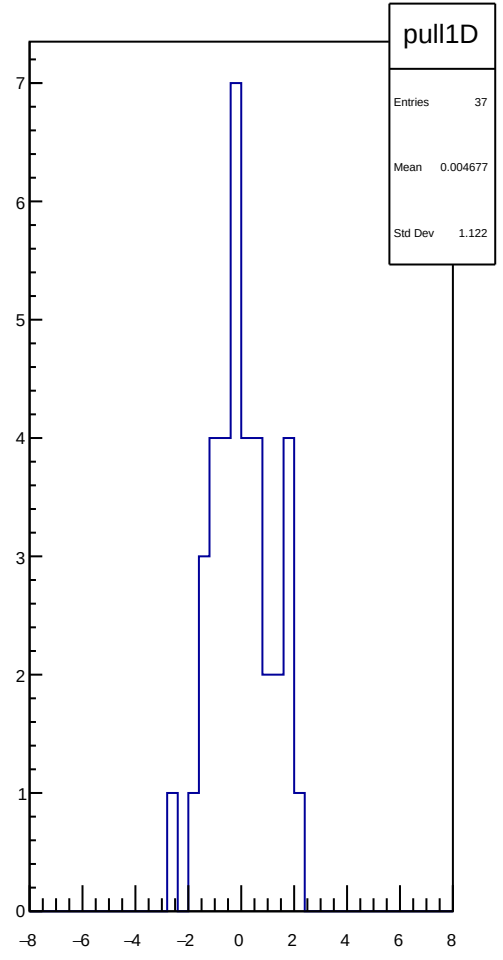

diff_bpm0l04X_rms vs run
χ² / ndf 119.1 / 36
p0 8765 ± 10.1
9100
9000
8900
8800
8700
8600
8500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

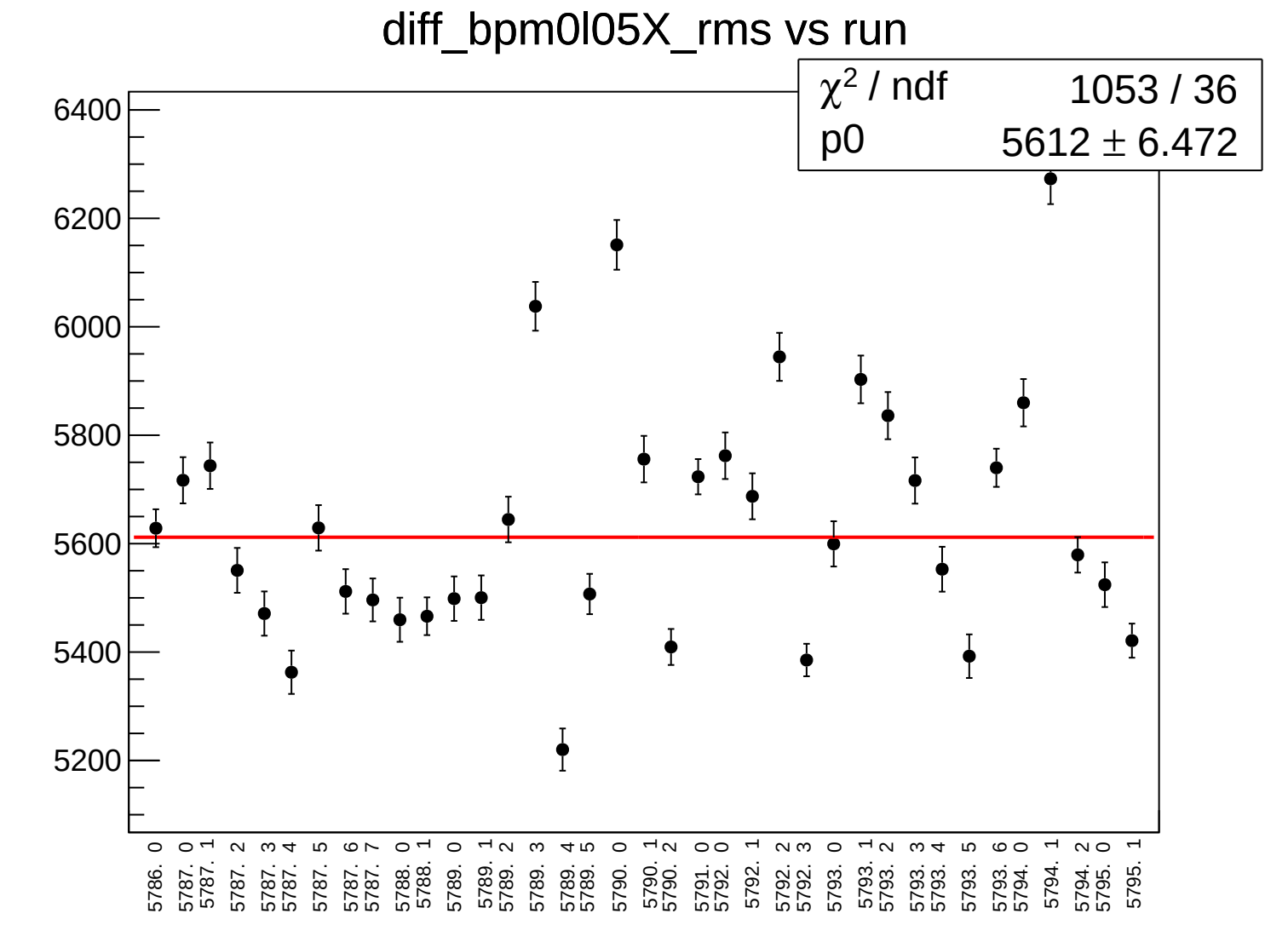

diff_bpm0l04Y_mean vs run
χ² / ndf 39.91 / 36
p0 −8.995 ± 1.684
pull
Entries 37
Mean 24.41
Std Dev 24.24

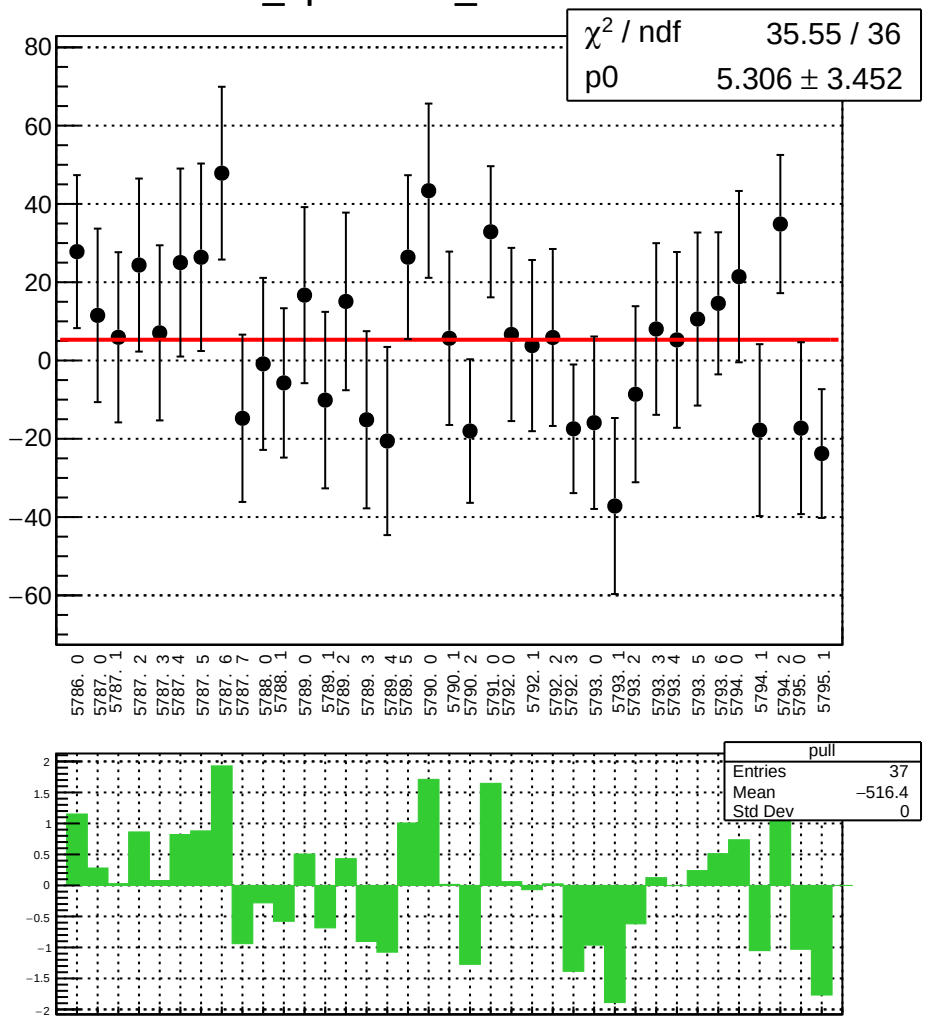

pull1D
Entries 37
Mean −0.03809
Std Dev 1.038

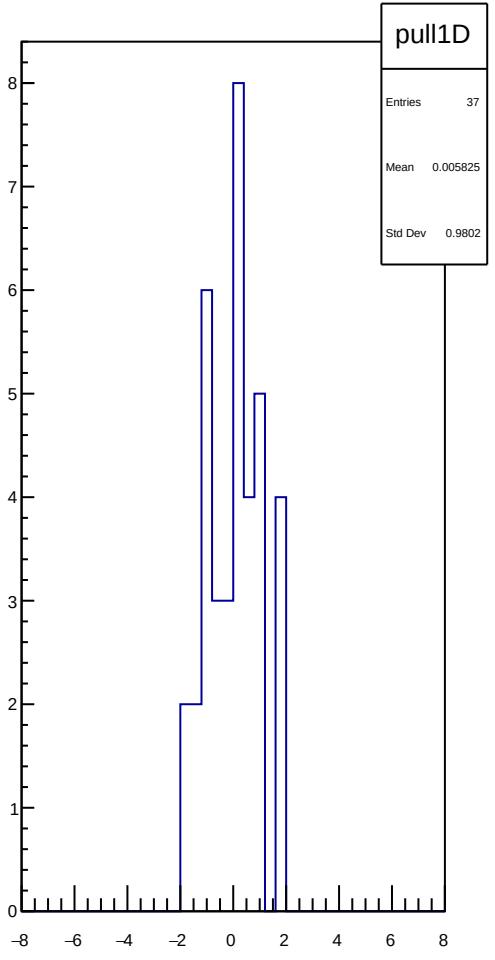

diff_bpm0l04Y_rms vs run
χ² / ndf 804.2 / 36
p0 1033 ± 1.191
1140
1120
1100
1080
1060
1040
1020
1000
980
960
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

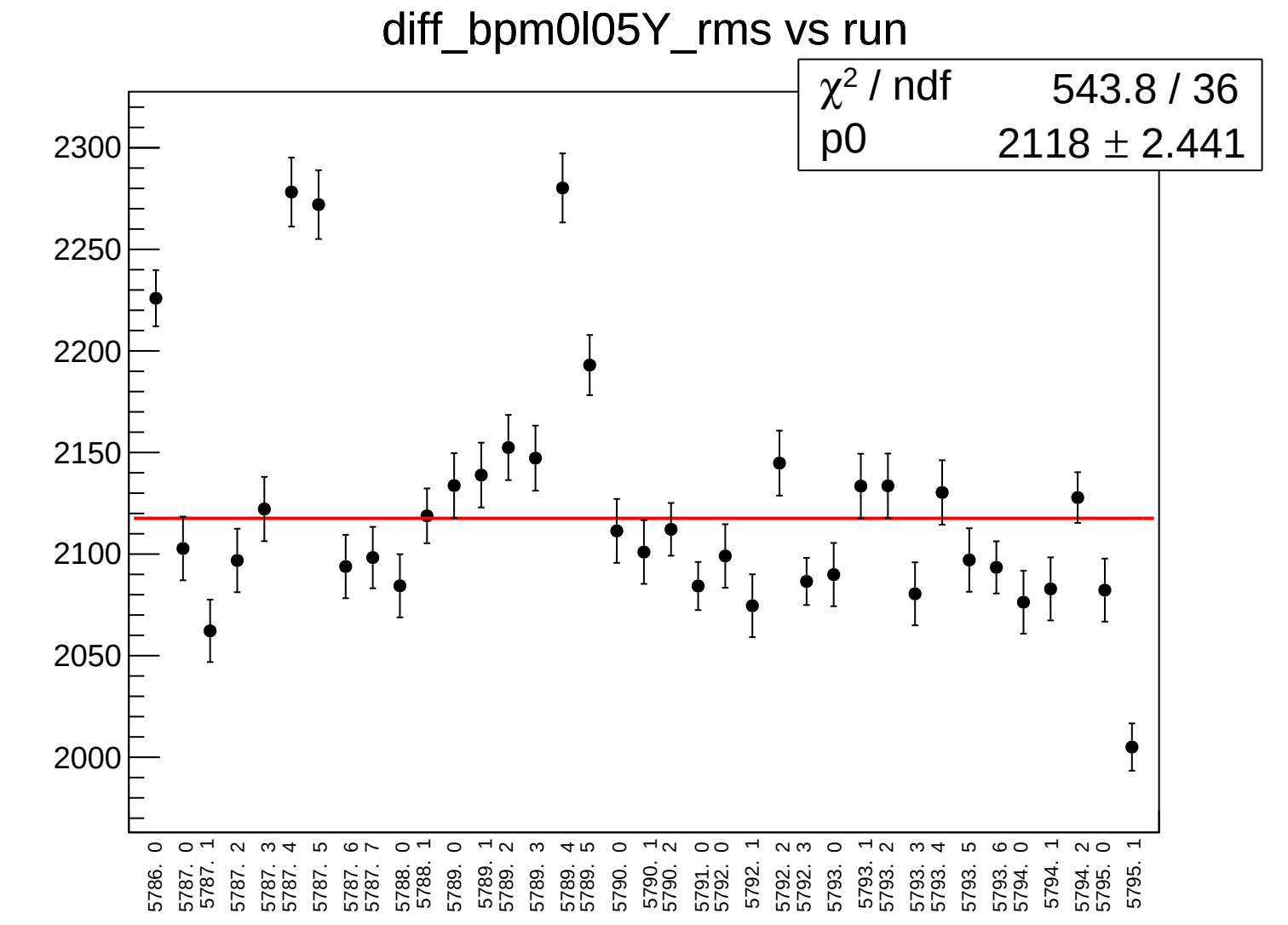

diff_bpm0l05X_mean vs run
χ² / ndf 46.56 / 36
p0 −16.05 ± 9.152
150
100
50
0
−50
−100
−150
−200
−250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 224.4
Std Dev 0
2
1
0
−1
−2

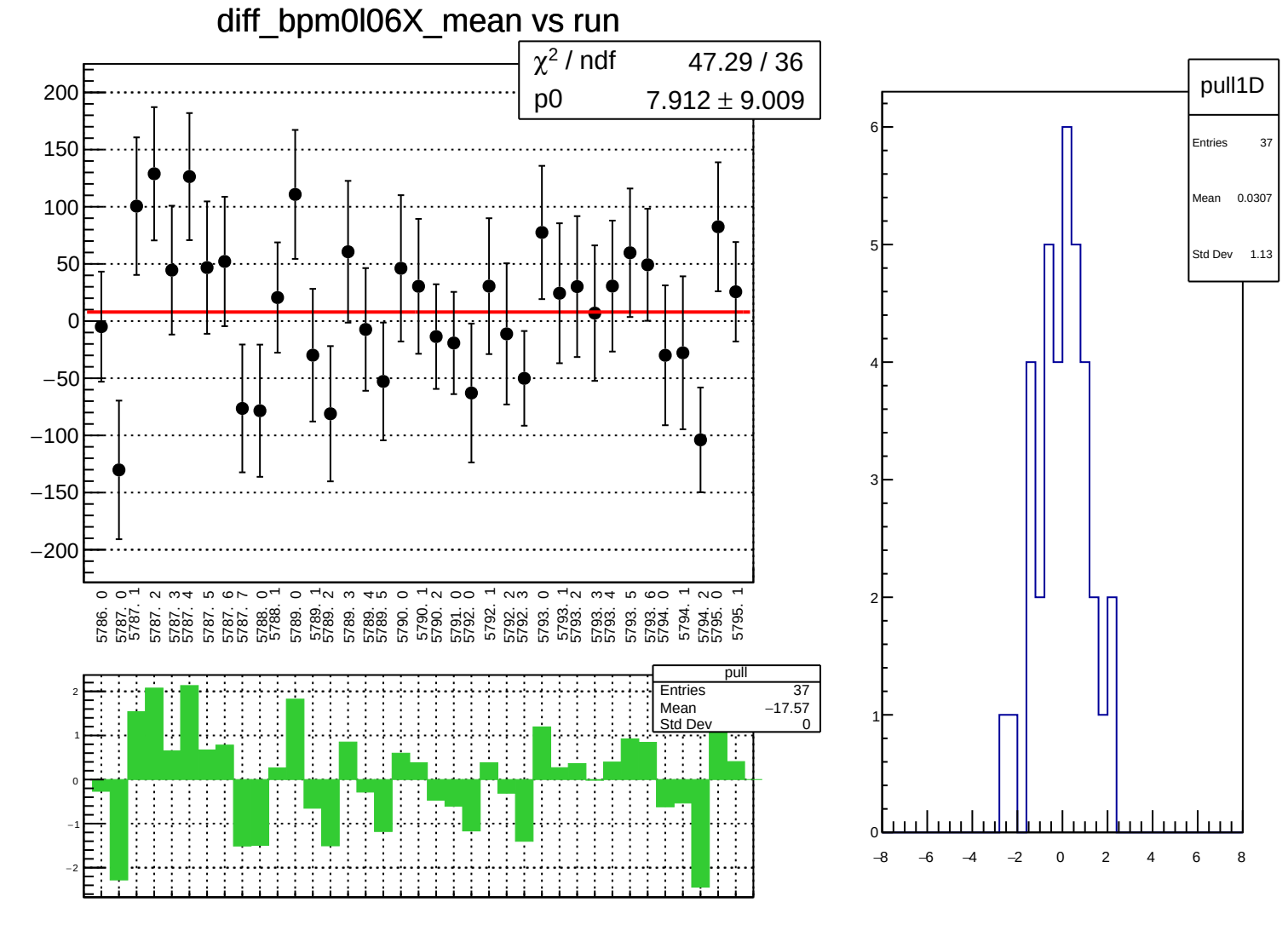

pull1D
Entries 37
Mean 0.004677
Std Dev 1.122
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

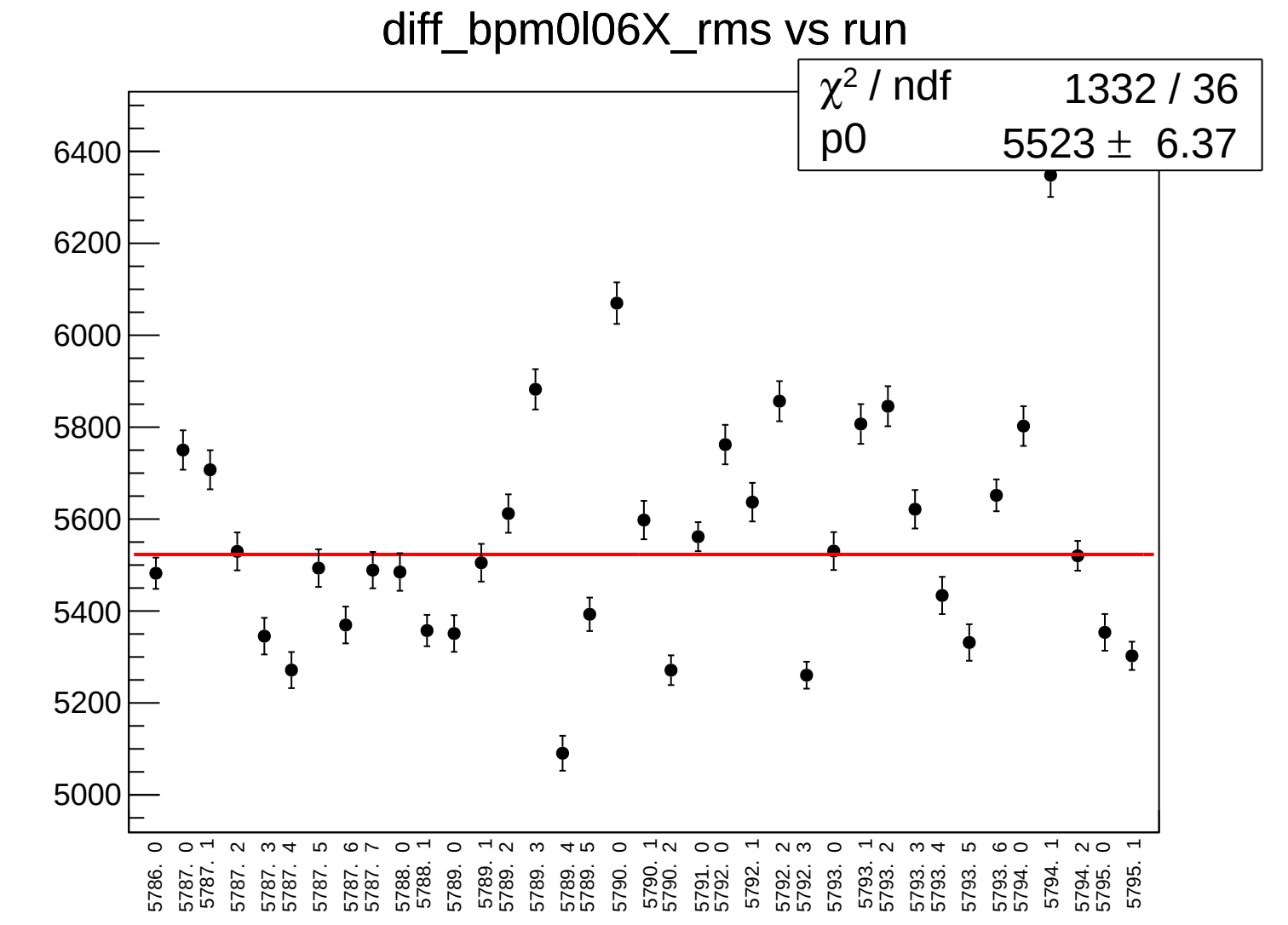

diff_bpm0l05X_rms vs run
χ² / ndf 1053 / 36
p0 5612 ± 6.472
6400
6200
6000
5800
5600
5400
5200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

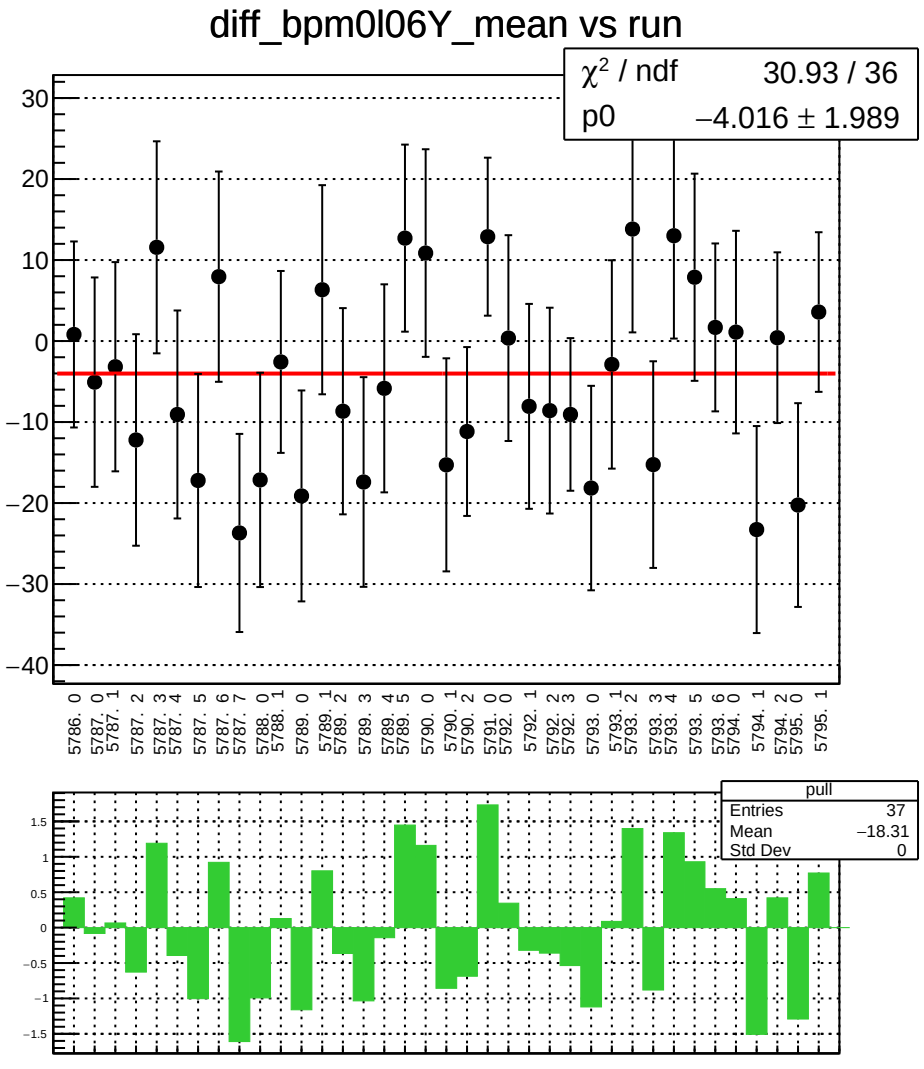

diff_bpm0l05Y_mean vs run
χ² / ndf 35.55 / 36
p0 5.306 ± 3.452
pull
Entries 37
Mean −516.4
Std Dev 0

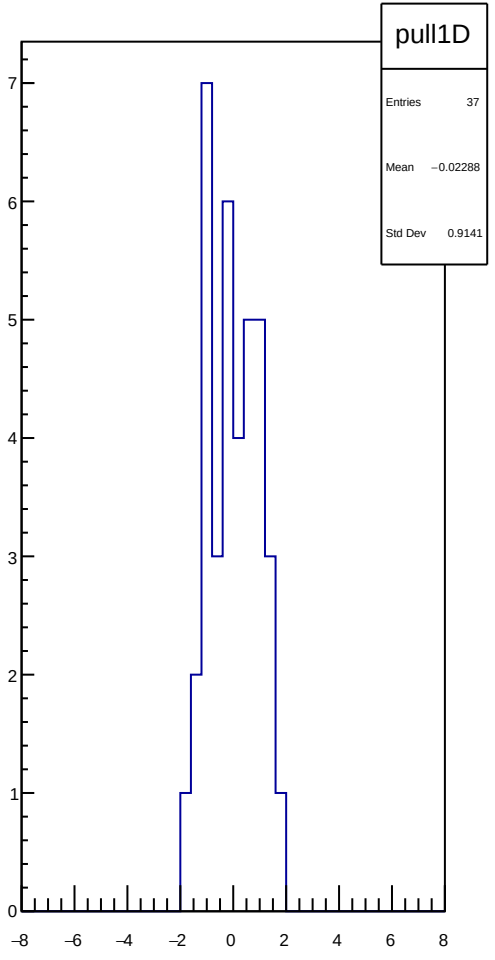

pull1D
Entries 37
Mean 0.005825
Std Dev 0.9802

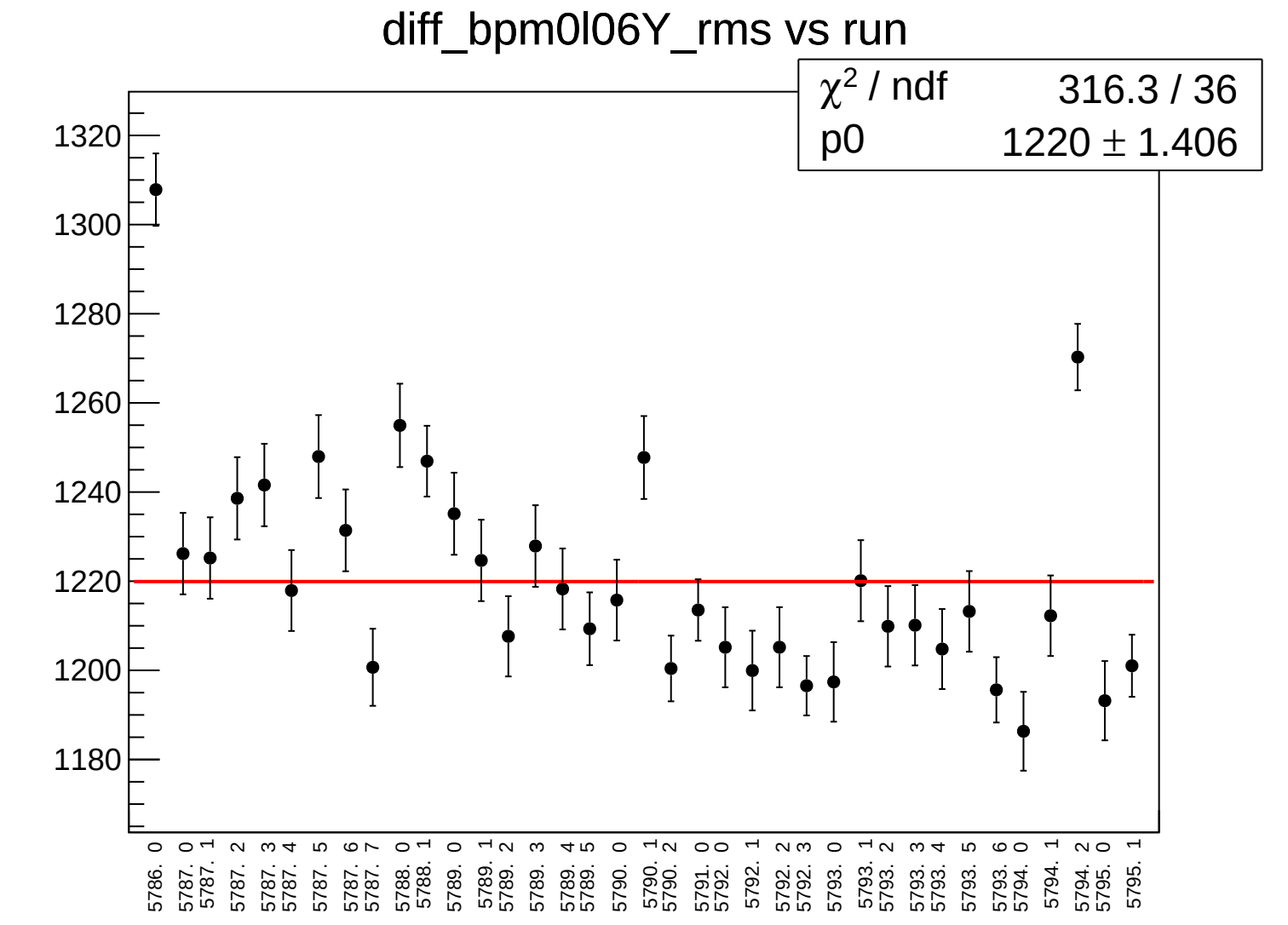

diff_bpm0l05Y_rms vs run
χ² / ndf 543.8 / 36
p0 2118 ± 2.441
2300
2250
2200
2150
2100
2050
2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

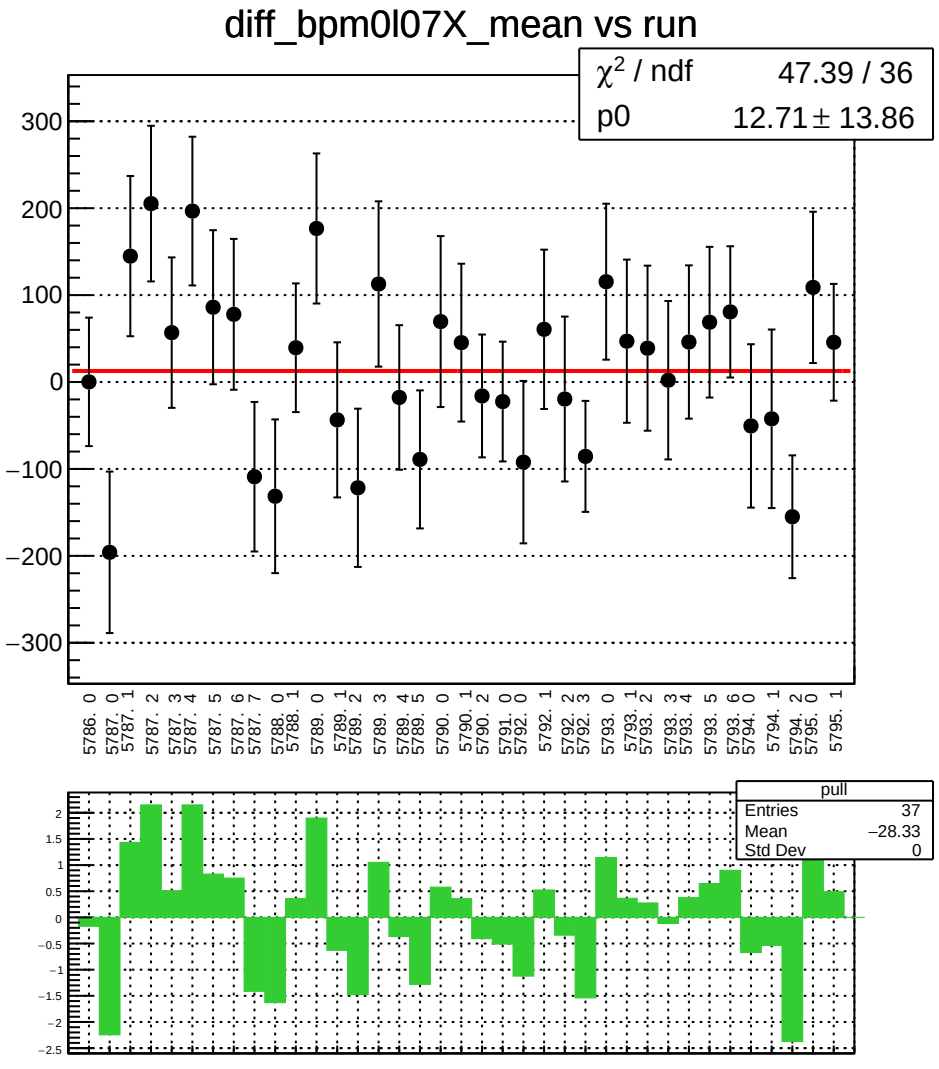

diff_bpm0l06X_mean vs run
χ² / ndf 47.29 / 36
p0 7.912 ± 9.009
pull
Entries 37
Mean −17.57
Std Dev 0
pull1D
Entries 37
Mean 0.0307
Std Dev 1.13

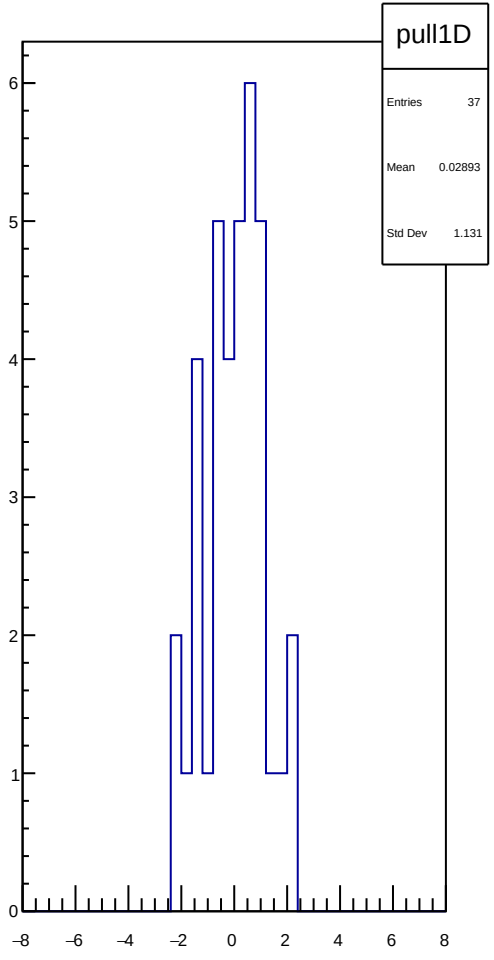

diff_bpm0l06X_rms vs run
χ² / ndf 1332 / 36
p0 5523 ± 6.37
6400
6200
6000
5800
5600
5400
5200
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

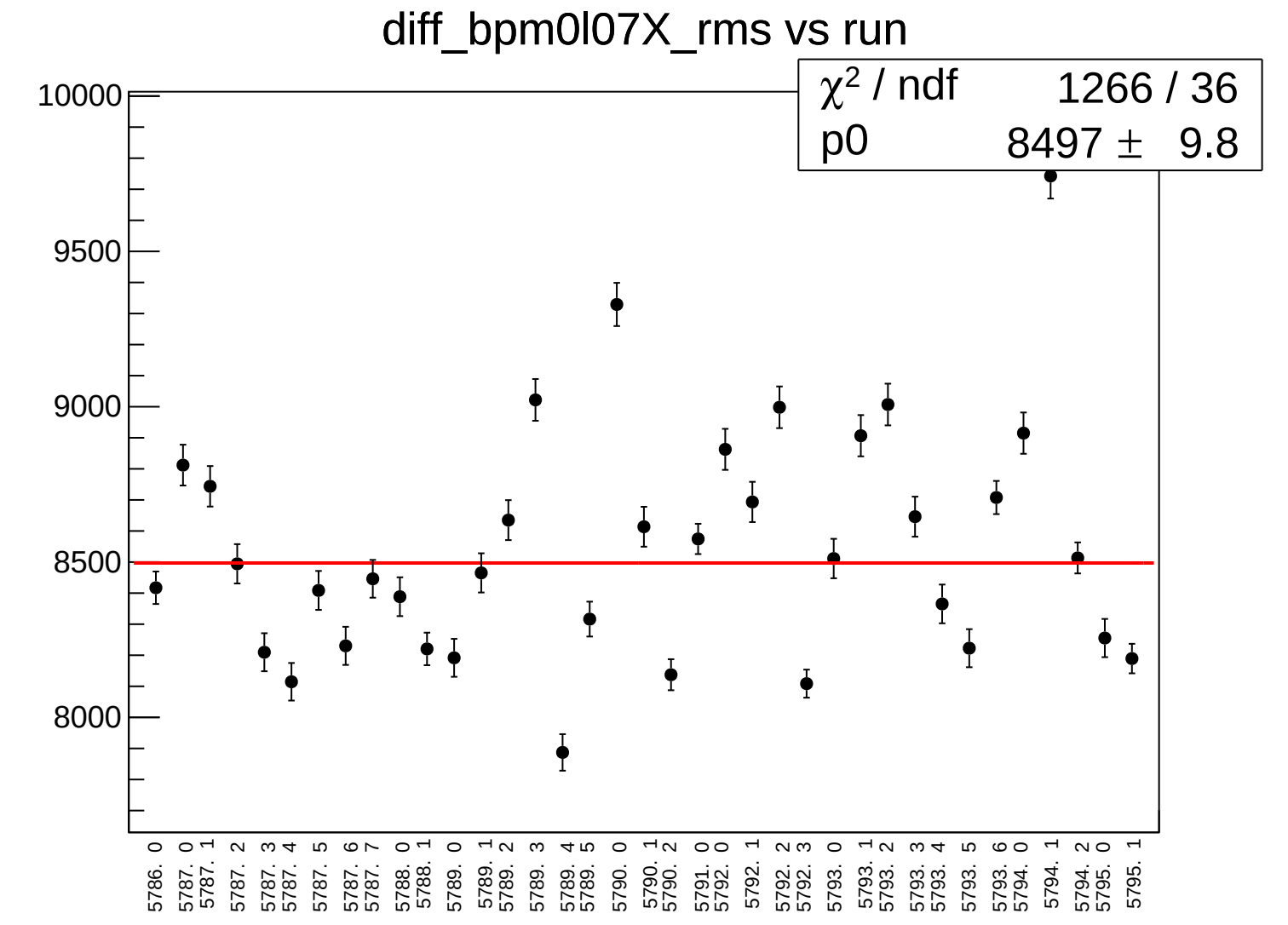

diff_bpm0l06Y_mean vs run
χ² / ndf 30.93 / 36
p0 −4.016 ± 1.989
pull
Entries 37
Mean −18.31
Std Dev 0

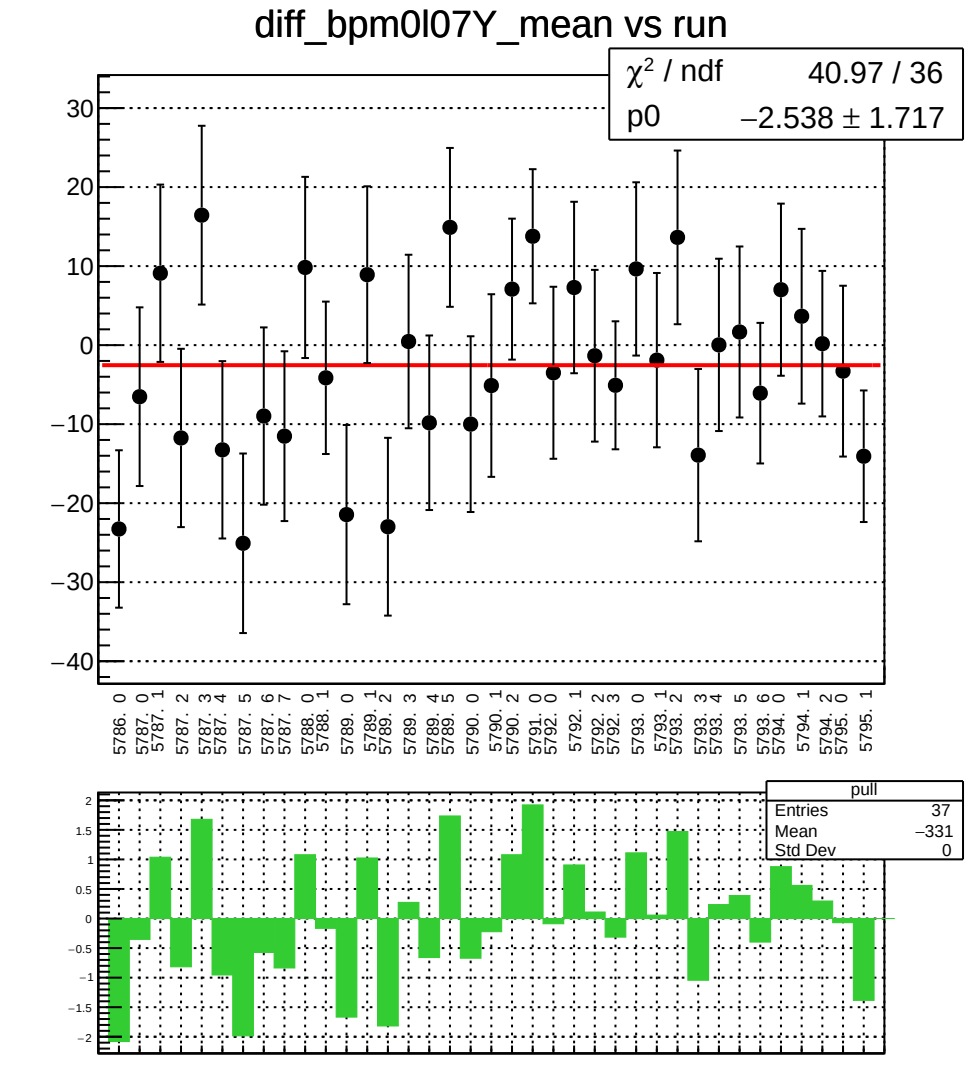

pull1D
Entries 37
Mean −0.02288
Std Dev 0.9141

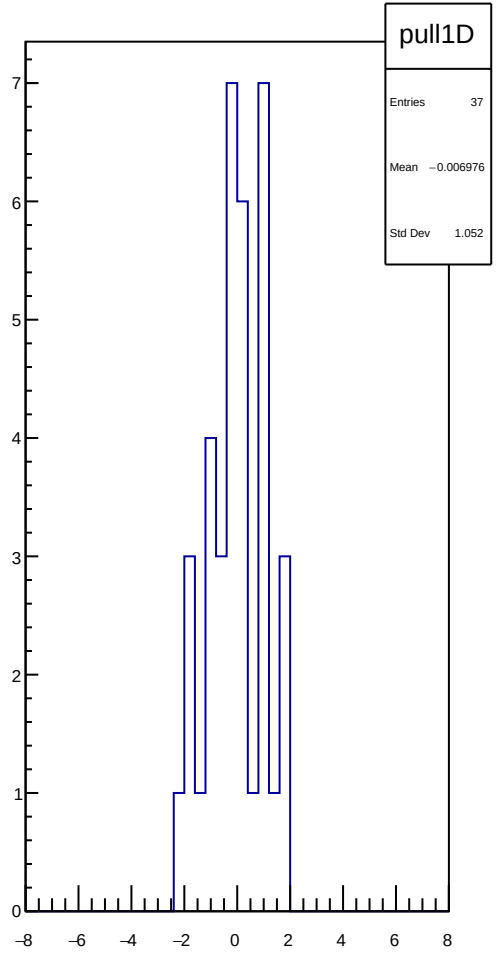

diff_bpm0l06Y_rms vs run
χ² / ndf 316.3 / 36
p0 1220 ± 1.406
1320
1300
1280
1260
1240
1220
1200
1180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

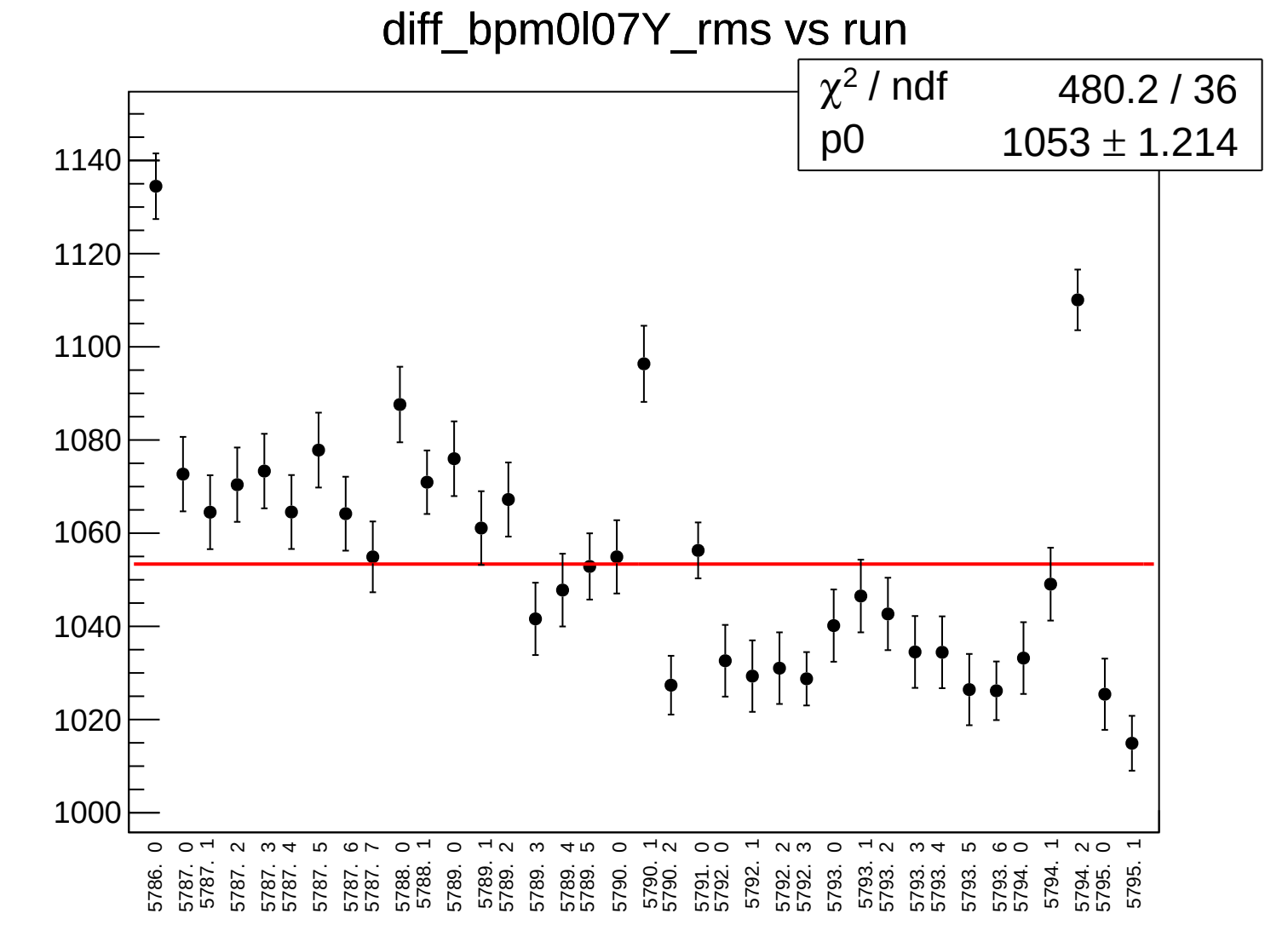

diff_bpm0l07X_mean vs run
χ² / ndf 47.39 / 36
p0 12.71 ± 13.86
300
200
100
0
−100
−200
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.33
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

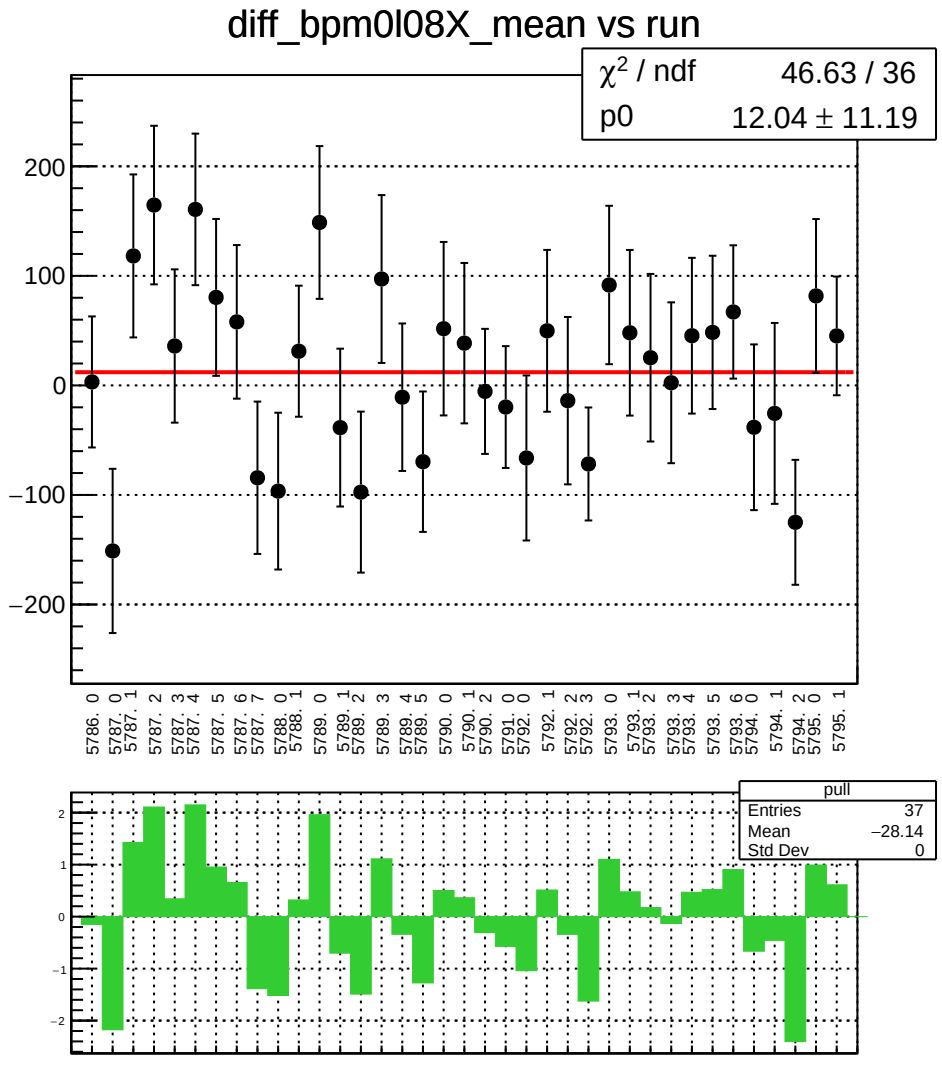

pull1D
Entries 37
Mean 0.02893
Std Dev 1.131
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

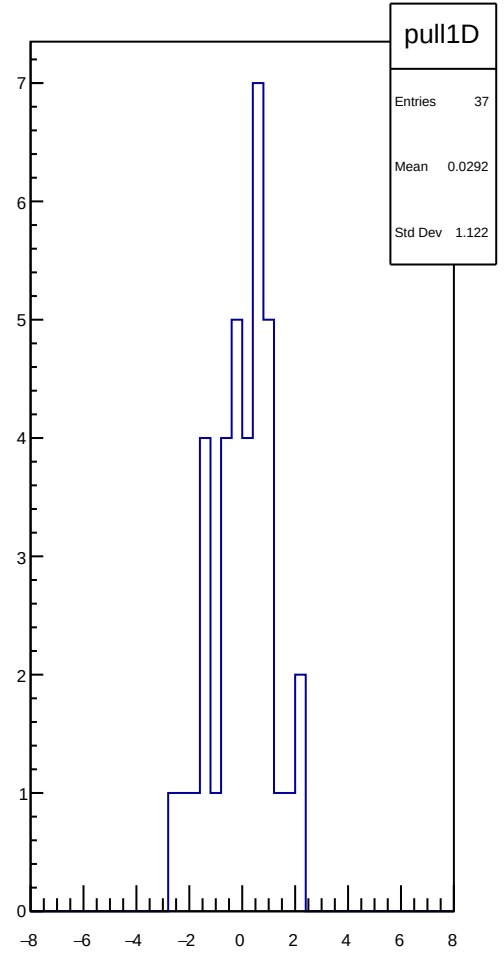

diff_bpm0l07X_rms vs run
χ² / ndf 1266 / 36
p0 8497 ± 9.8
10000
9500
9000
8500
8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

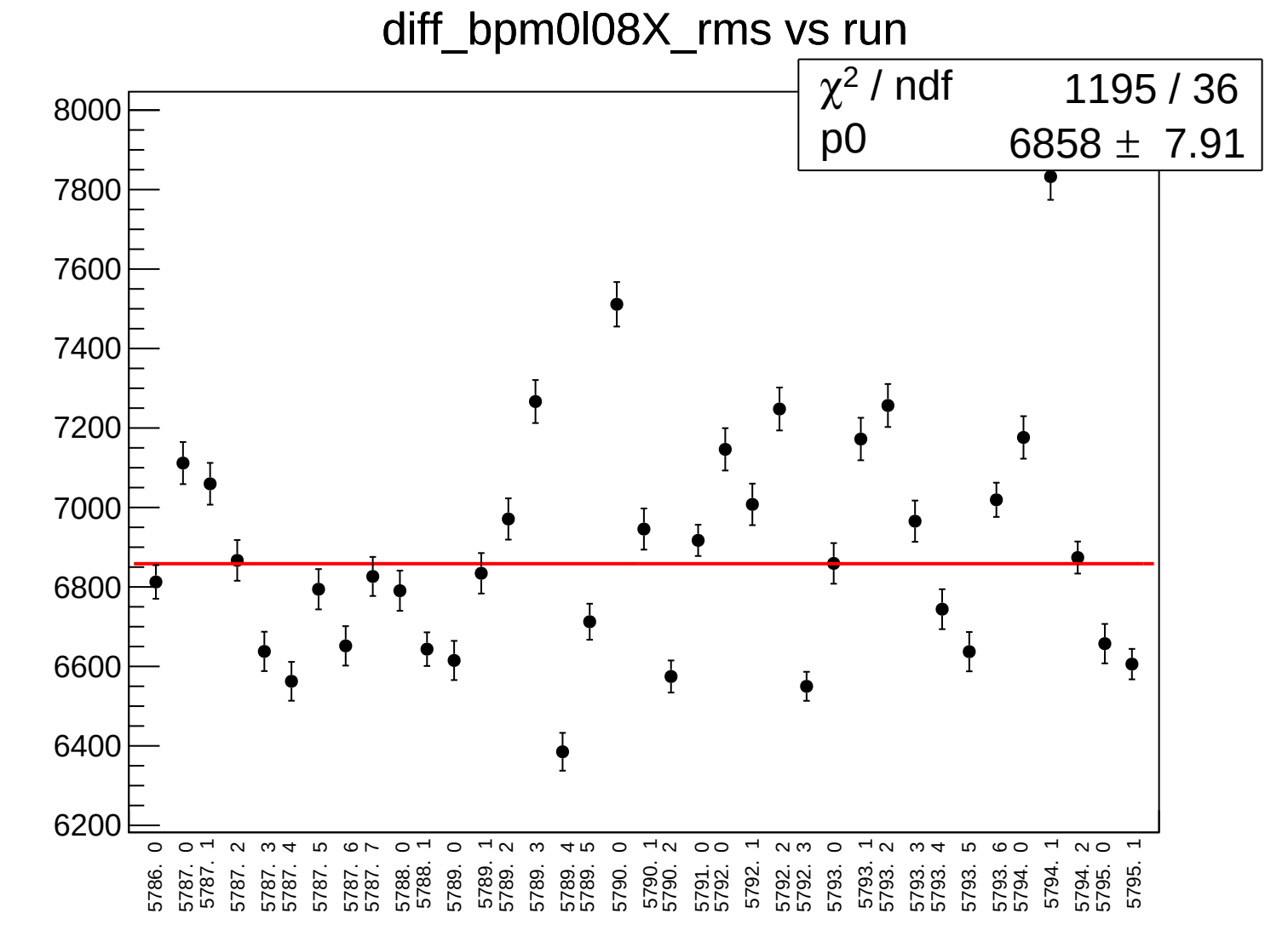

diff_bpm0l07Y_mean vs run
χ² / ndf 40.97 / 36
p0 −2.538 ± 1.717
pull
Entries 37
Mean −331
Std Dev 0

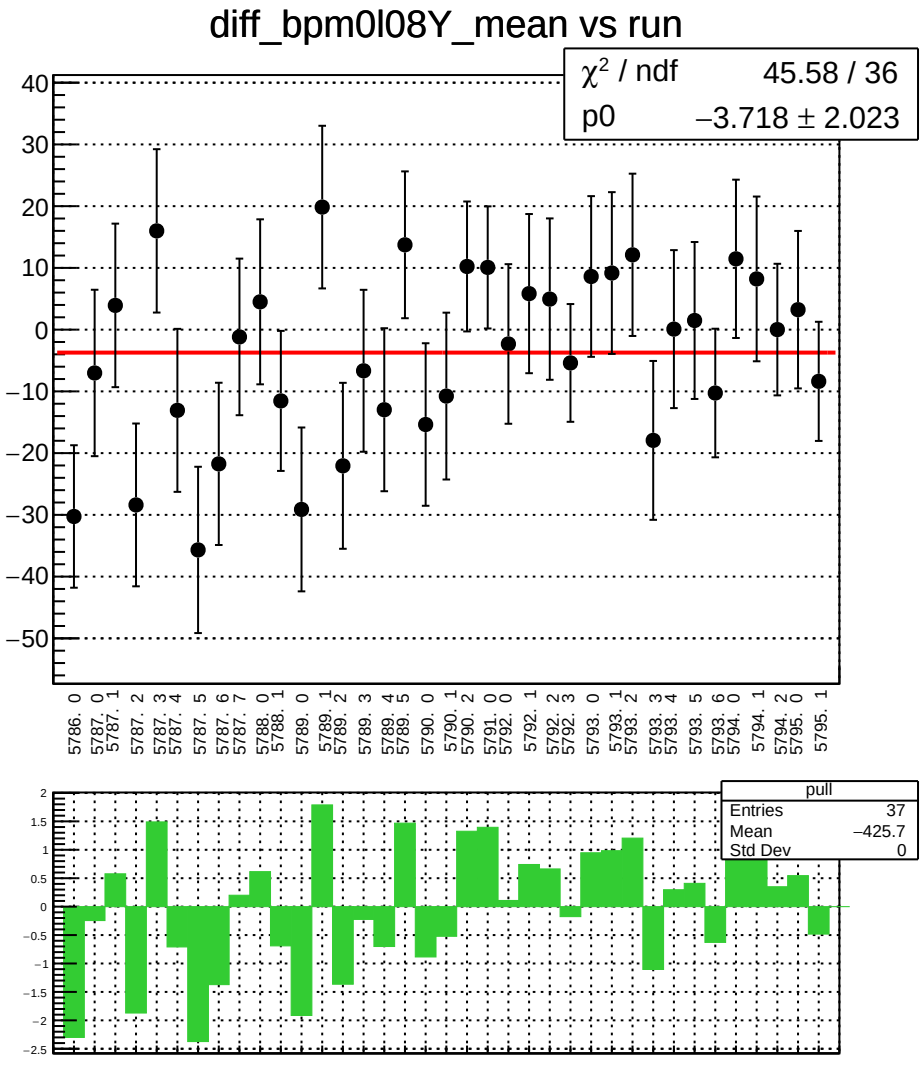

pull1D
Entries 37
Mean −0.006976
Std Dev 1.052

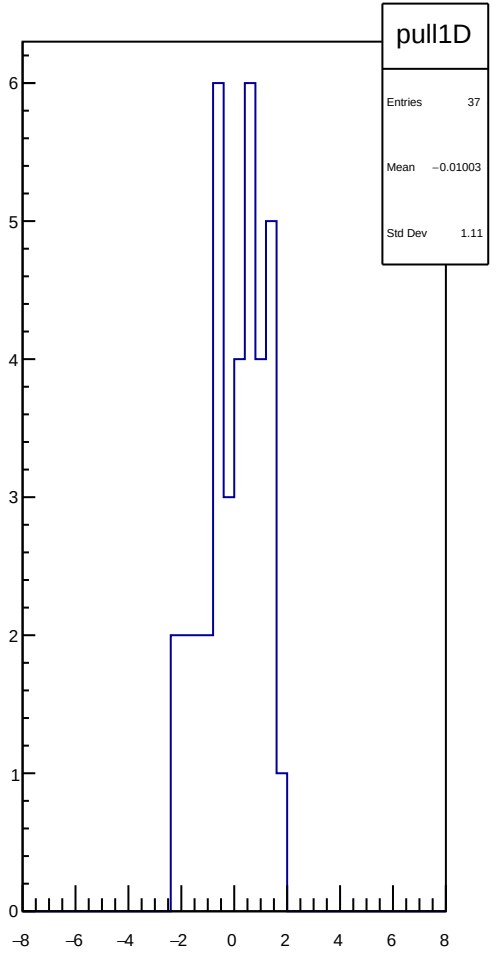

diff_bpm0l07Y_rms vs run
χ² / ndf 480.2 / 36
p0 1053 ± 1.214
1140
1120
1100
1080
1060
1040
1020
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

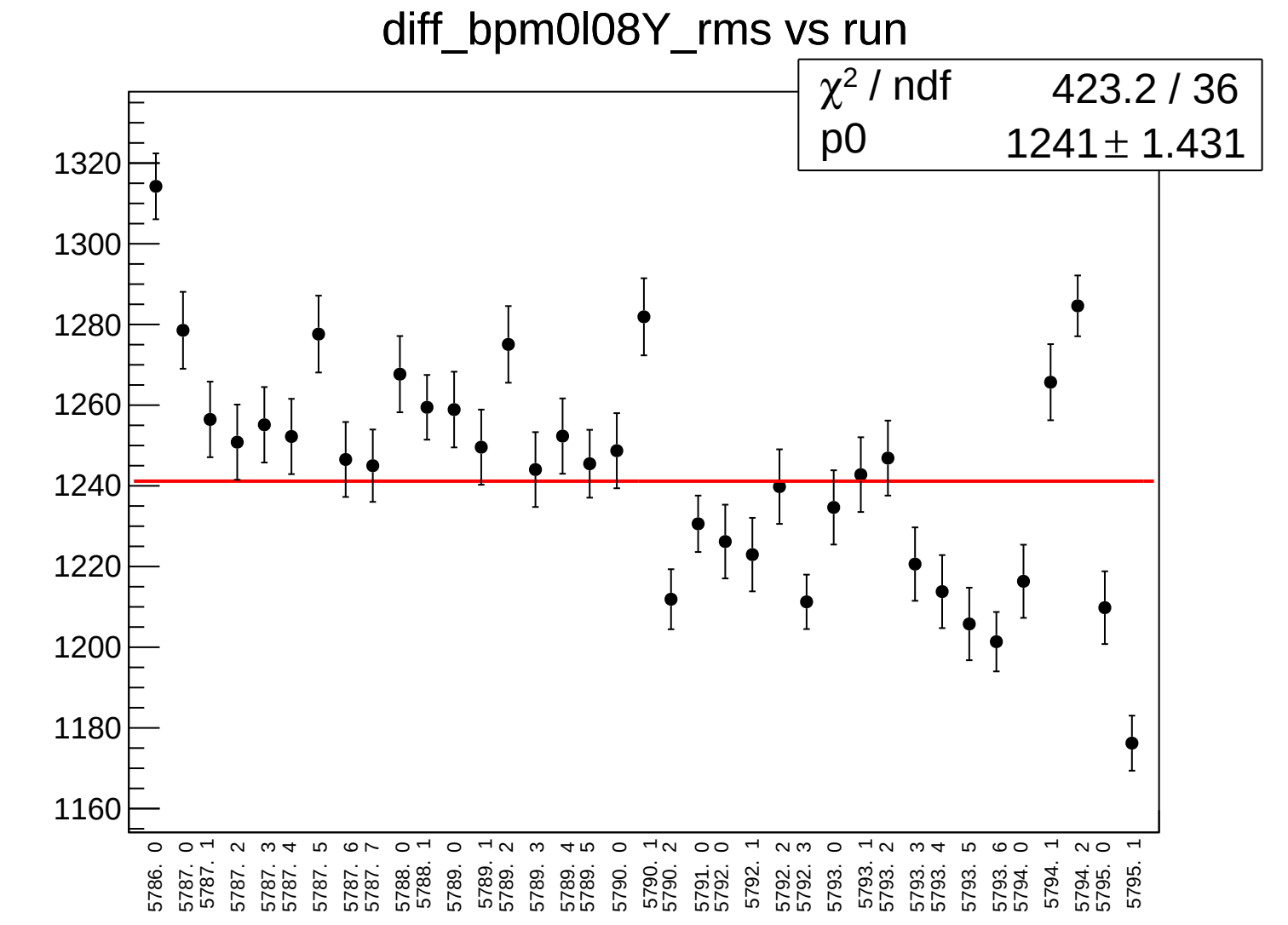

diff_bpm0l08X_mean vs run
χ² / ndf 46.63 / 36
p0 12.04 ± 11.19
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.14
Std Dev 0
2
1
0
−1
−2

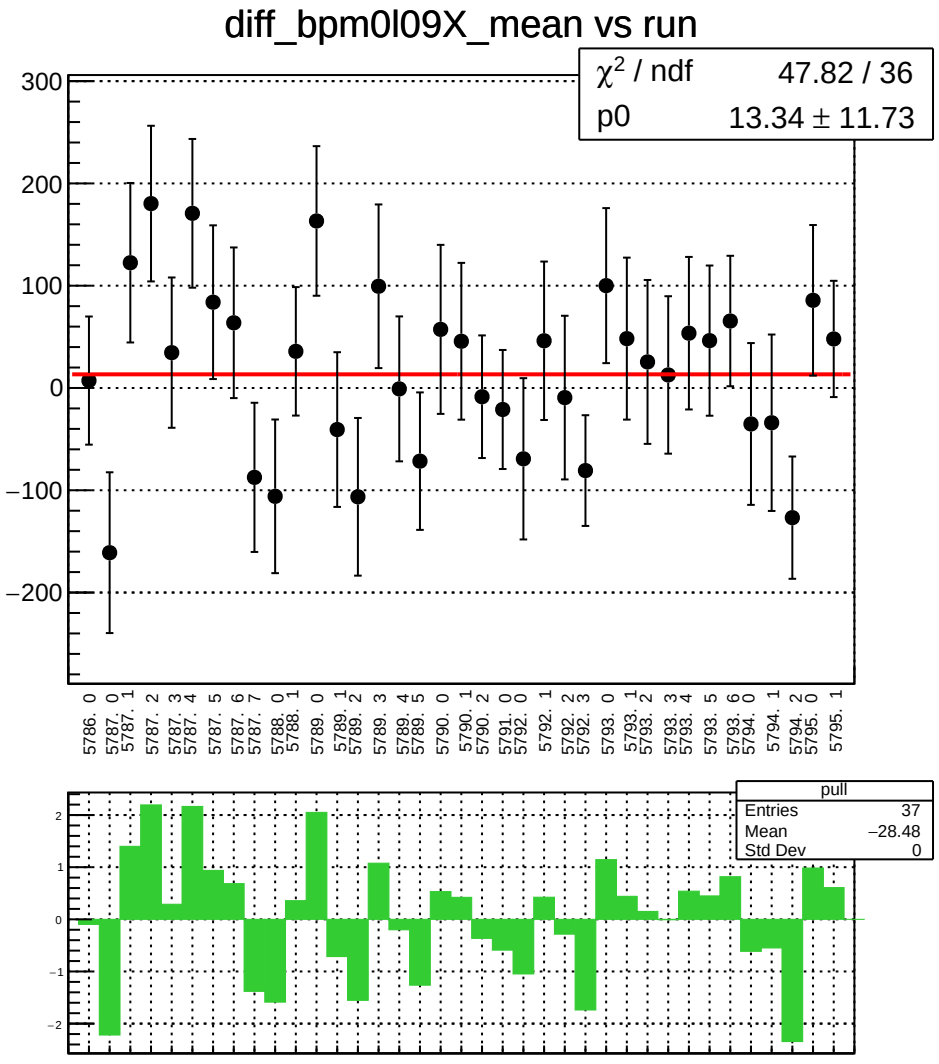

pull1D
Entries 37
Mean 0.0292
Std Dev 1.122
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

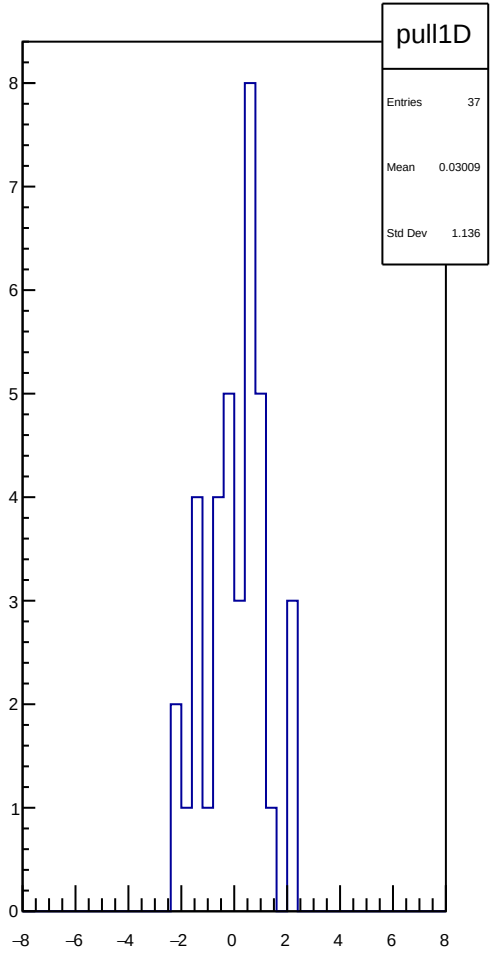

diff_bpm0l08X_rms vs run
χ² / ndf 1195 / 36
p0 6858 ± 7.91
8000
7800
7600
7400
7200
7000
6800
6600
6400
6200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

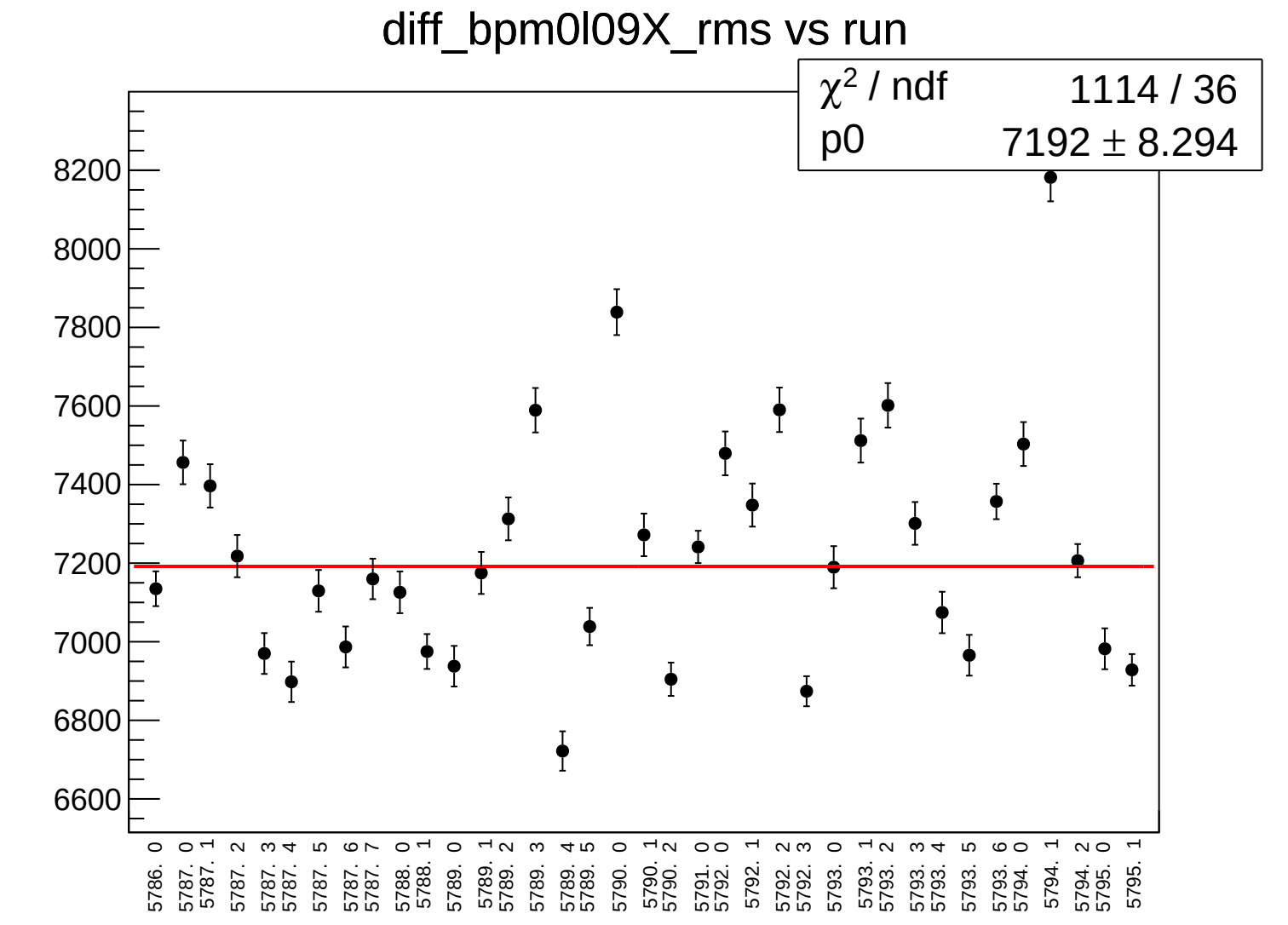

diff_bpm0l08Y_mean vs run
χ² / ndf 45.58 / 36
p0 −3.718 ± 2.023
pull
Entries 37
Mean −425.7
Std Dev 0

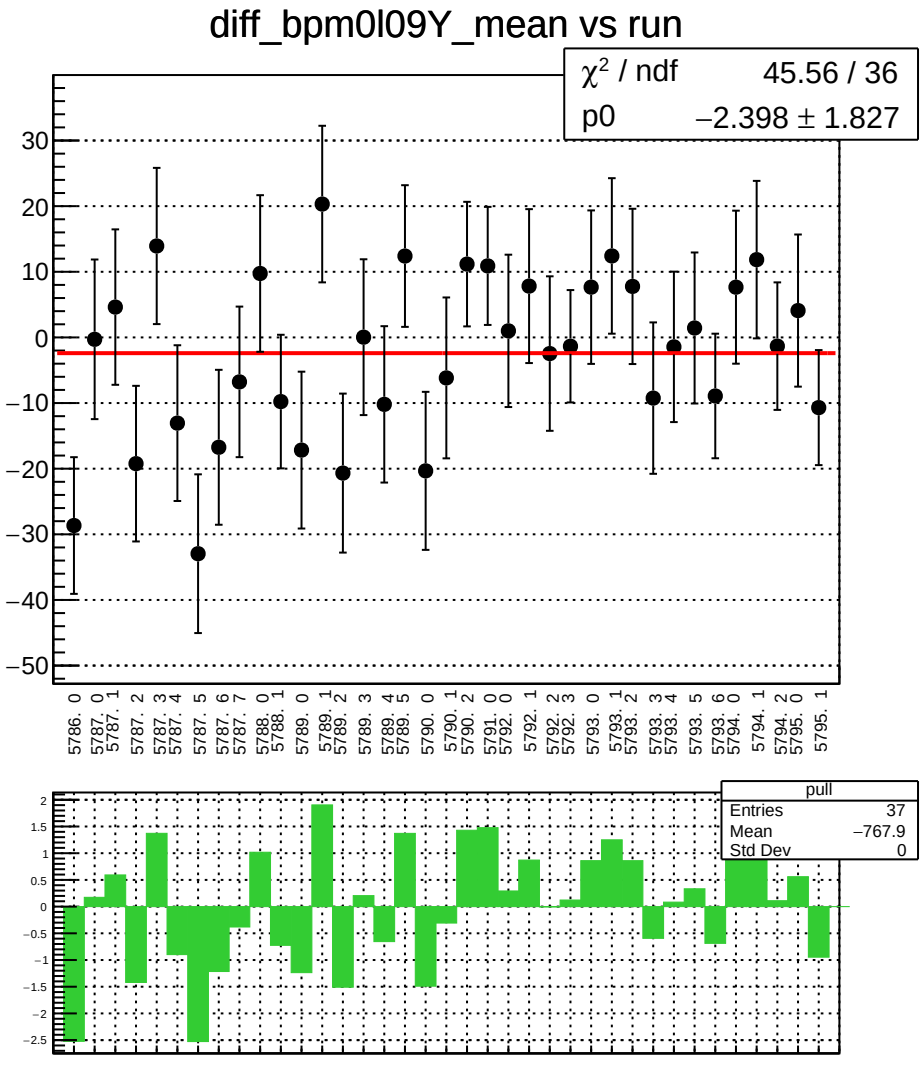

pull1D
Entries 37
Mean −0.01003
Std Dev 1.11

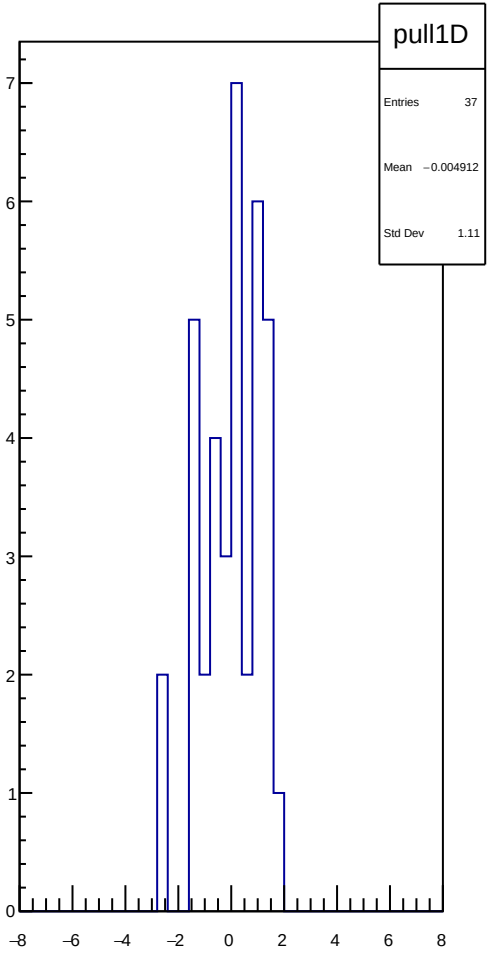

diff_bpm0l08Y_rms vs run
χ² / ndf 423.2 / 36
p0 1241 ± 1.431
1320
1300
1280
1260
1240
1220
1200
1180
1160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

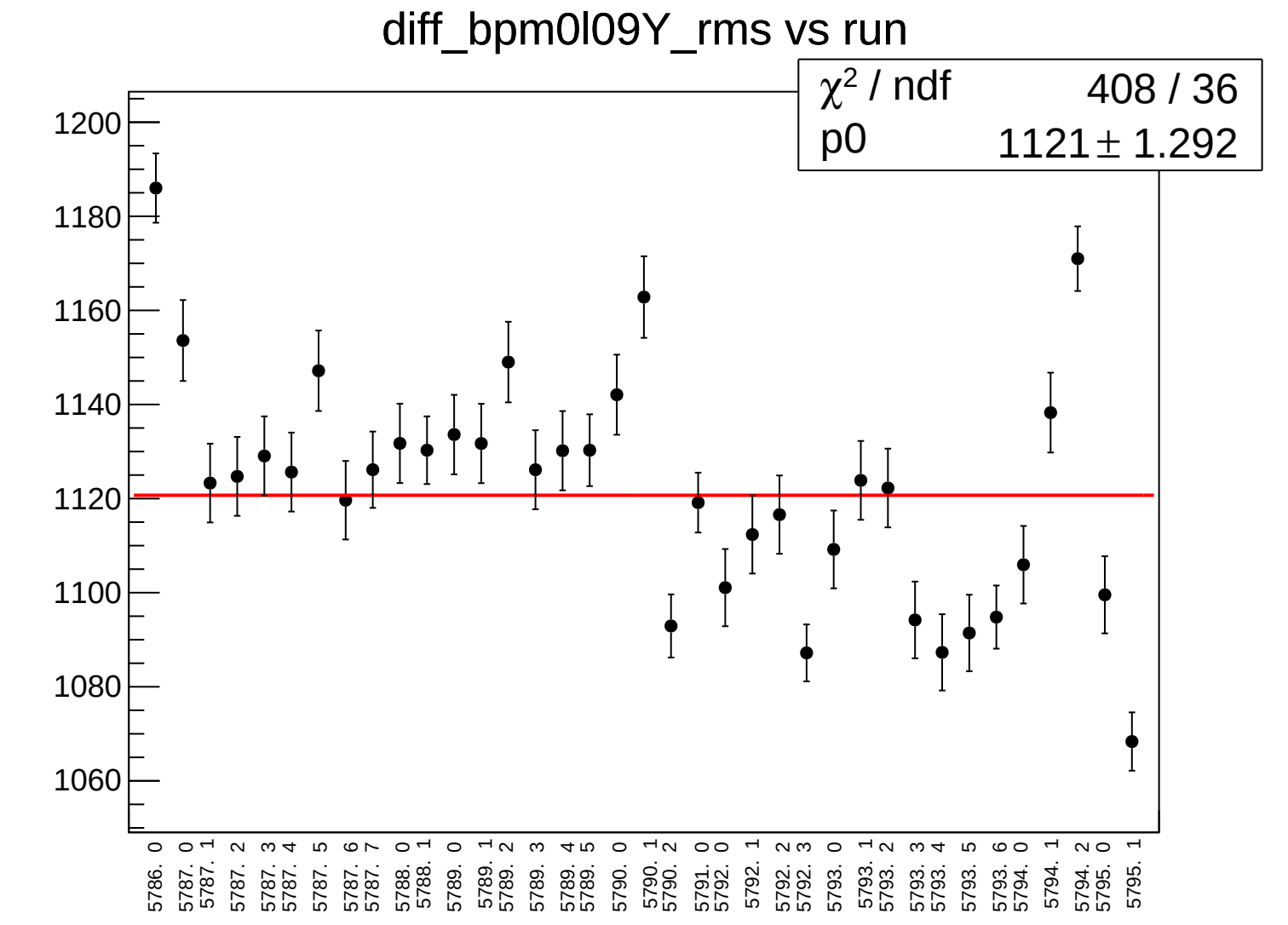

diff_bpm0l09X_mean vs run
χ² / ndf 47.82 / 36
p0 13.34 ± 11.73
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.48
Std Dev 0
2
1
0
−1
−2

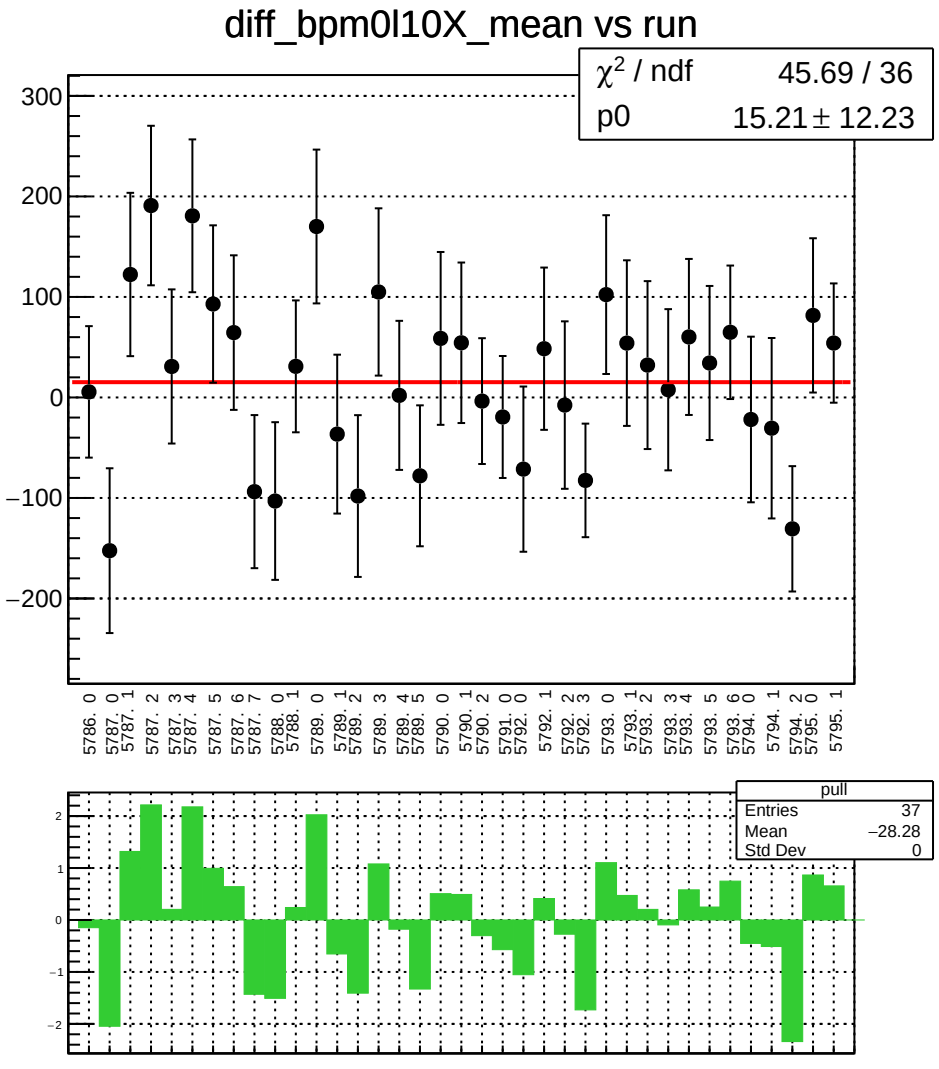

pull1D
Entries 37
Mean 0.03009
Std Dev 1.136
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

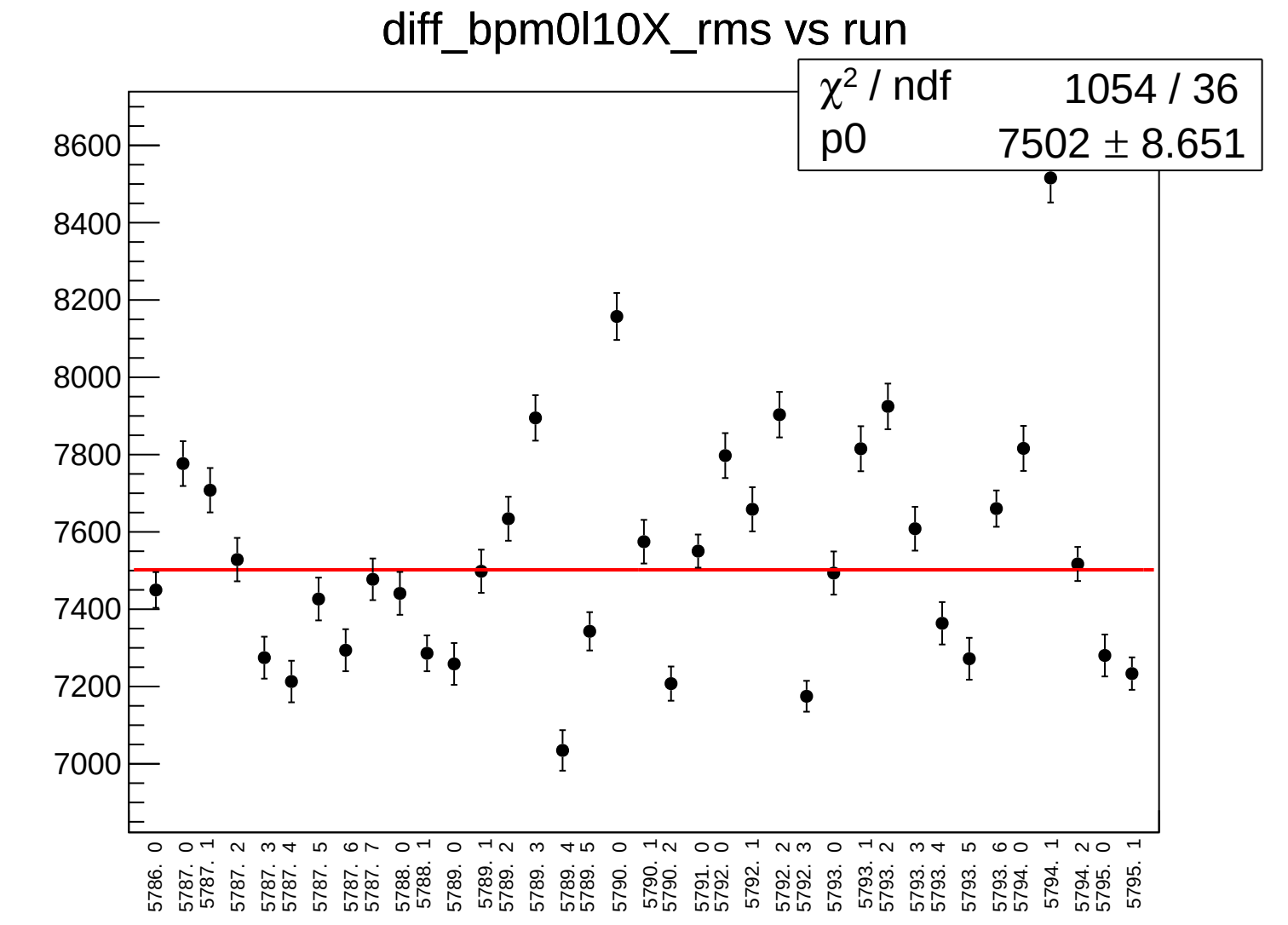

diff_bpm0l09X_rms vs run
χ² / ndf 1114 / 36
p0 7192 ± 8.294
8200
8000
7800
7600
7400
7200
7000
6800
6600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

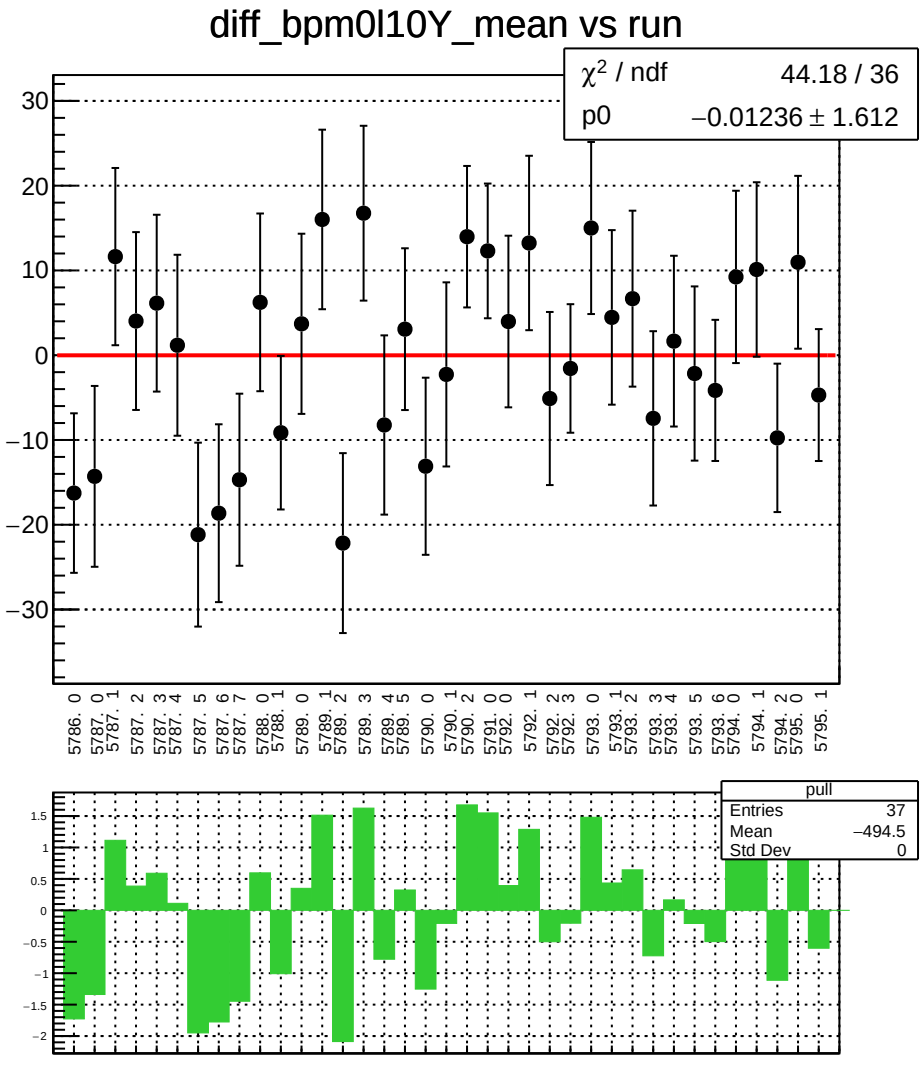

diff_bpm0l09Y_mean vs run
χ² / ndf 45.56 / 36
p0 −2.398 ± 1.827
pull
Entries 37
Mean −767.9
Std Dev 0

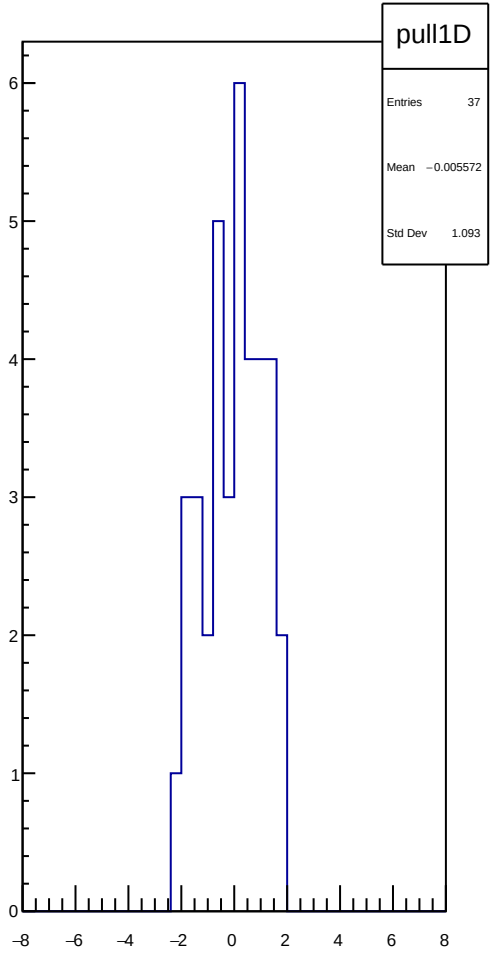

pull1D
Entries 37
Mean −0.004912
Std Dev 1.11

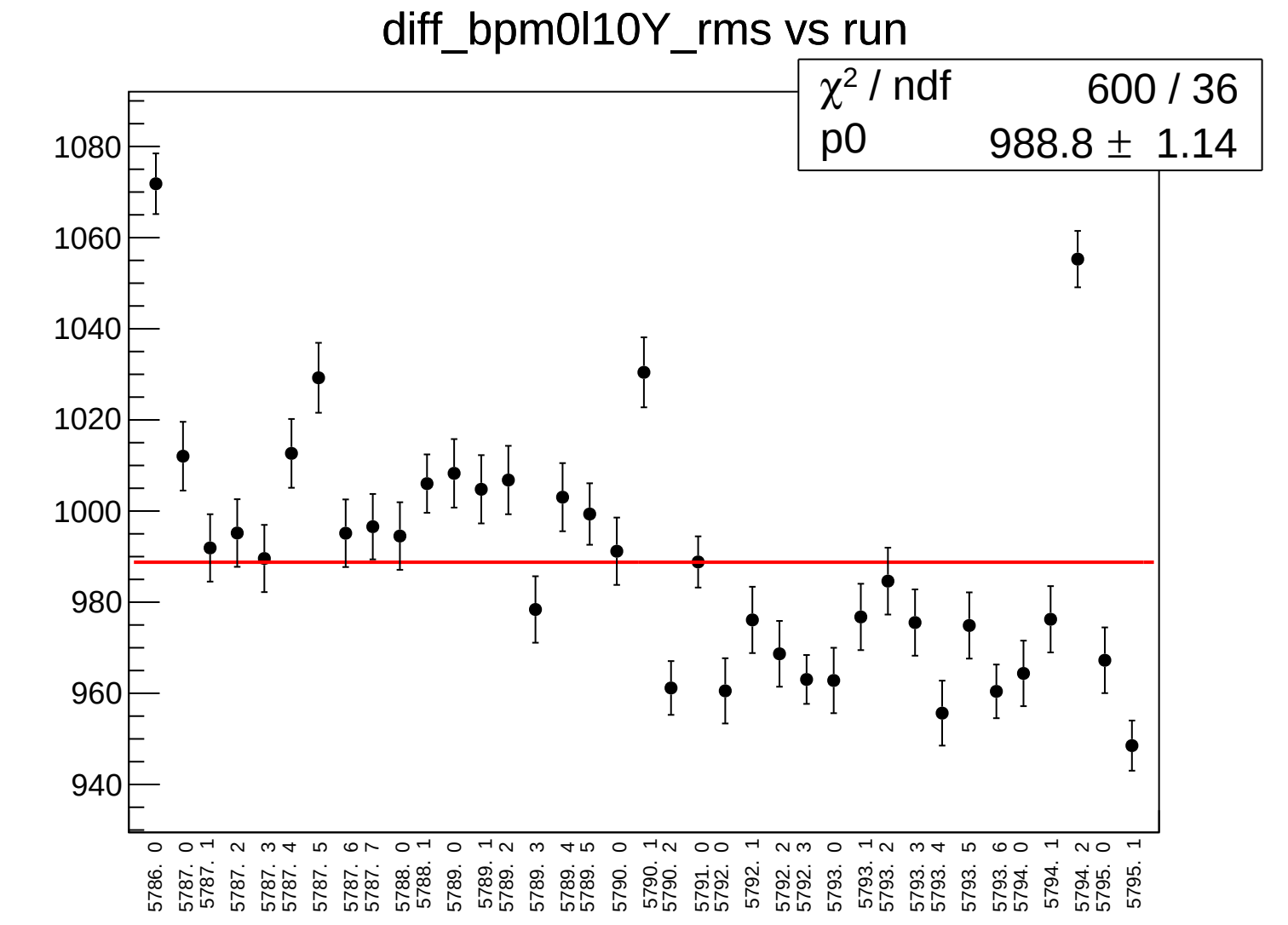

diff_bpm0l09Y_rms vs run
χ² / ndf 408 / 36
p0 1121 ± 1.292
1200
1180
1160
1140
1120
1100
1080
1060
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

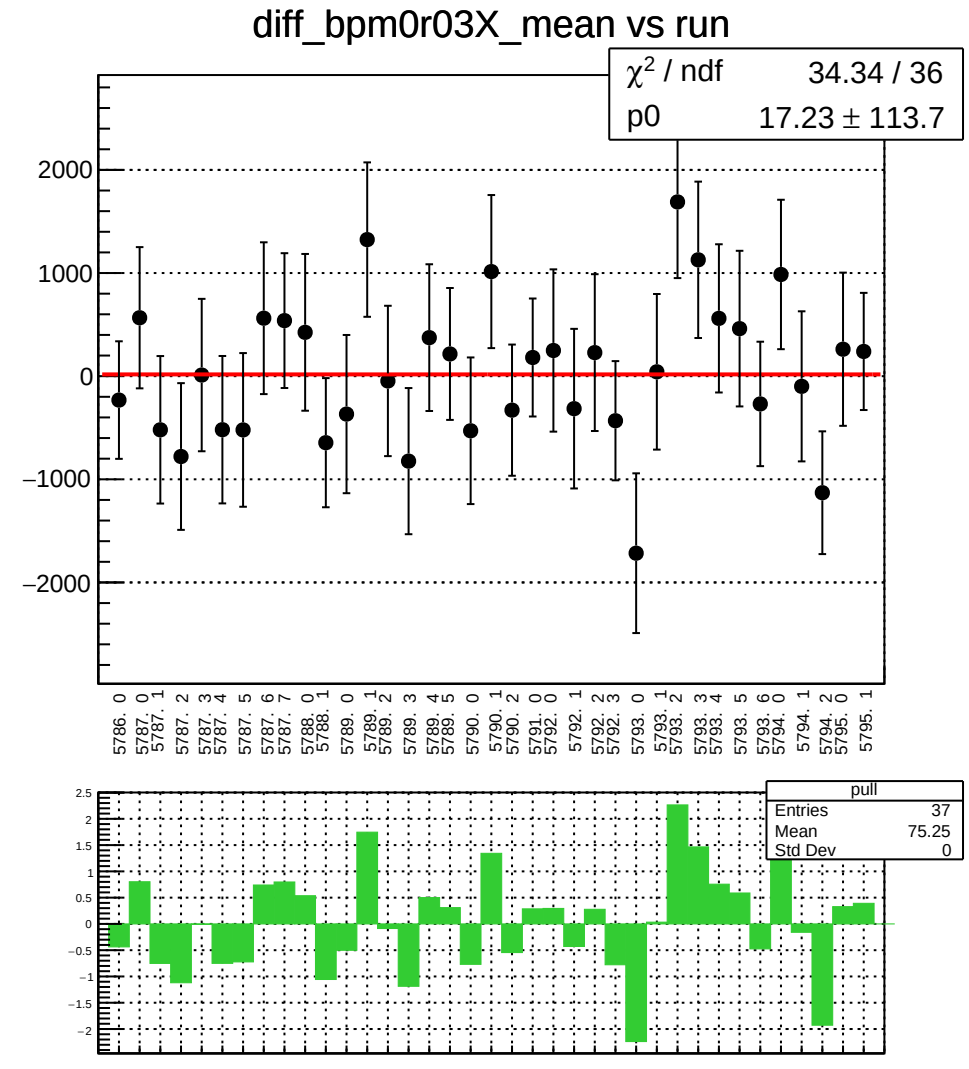

diff_bpm0l10X_mean vs run
χ² / ndf 45.69 / 36
p0 15.21 ± 12.23
300
200
100
0
−100
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.28
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03121
Std Dev 1.111
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

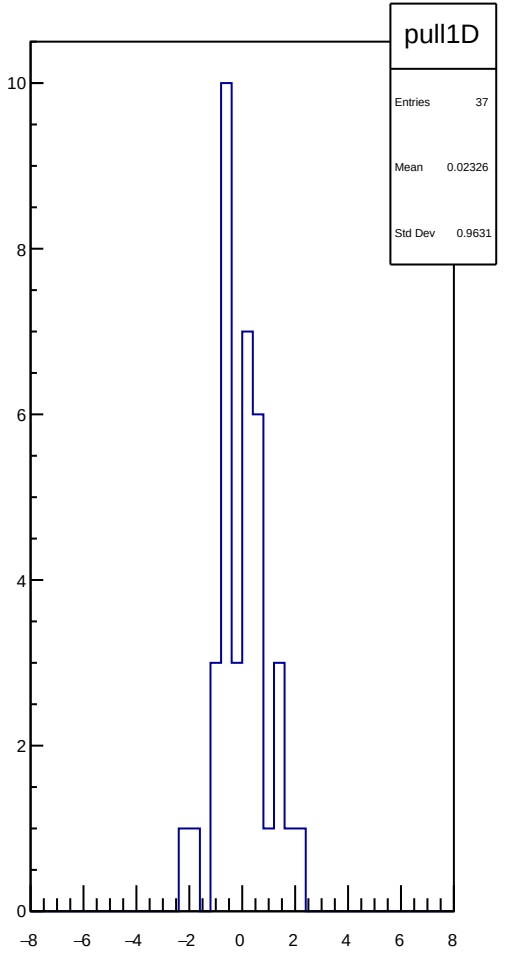

diff_bpm0l10X_rms vs run
χ² / ndf 1054 / 36
p0 7502 ± 8.651
8600
8400
8200
8000
7800
7600
7400
7200
7000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

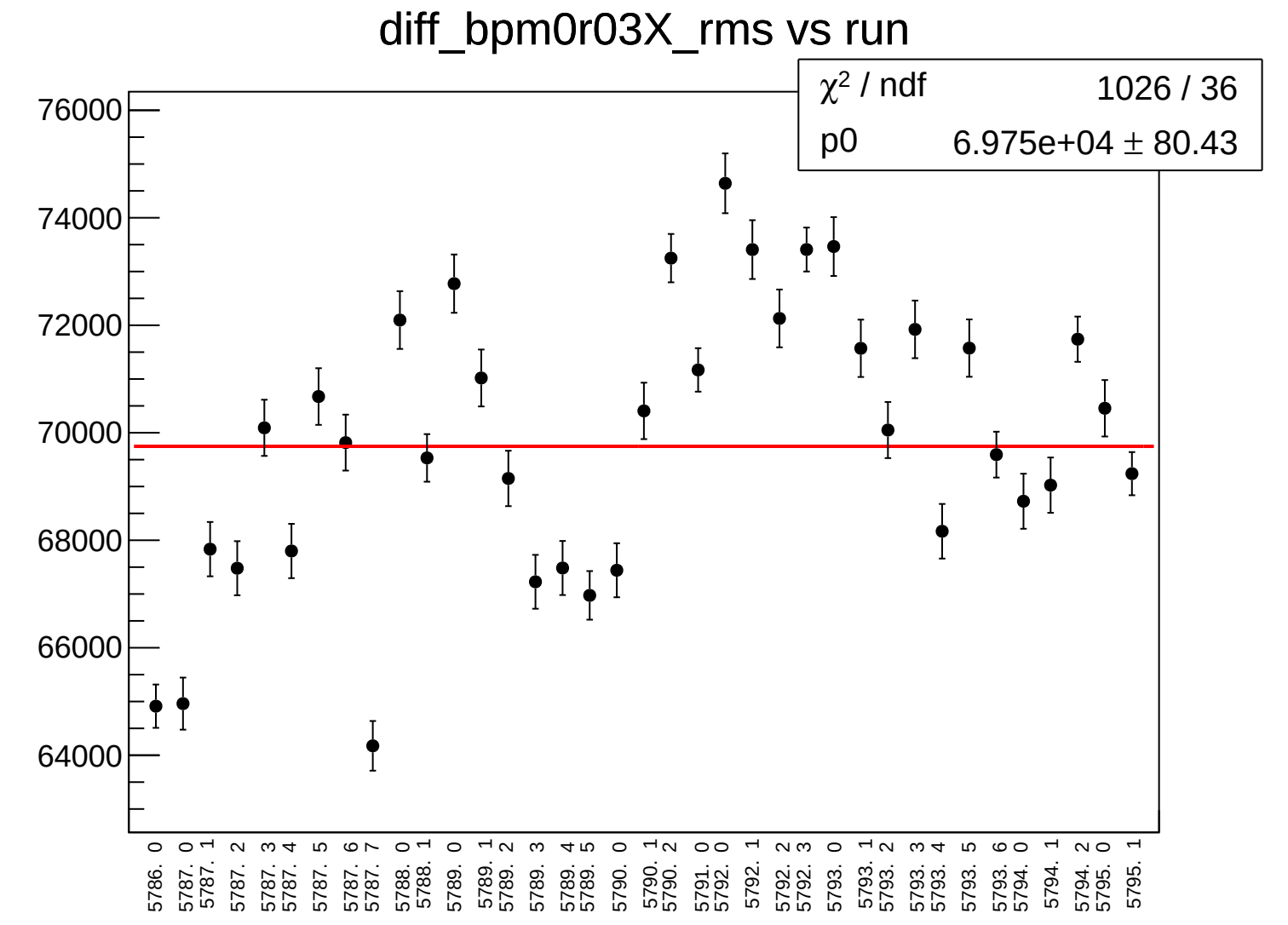

diff_bpm0l10Y_mean vs run
χ² / ndf 44.18 / 36
p0 −0.01236 ± 1.612
pull
Entries 37
Mean −494.5
Std Dev 0

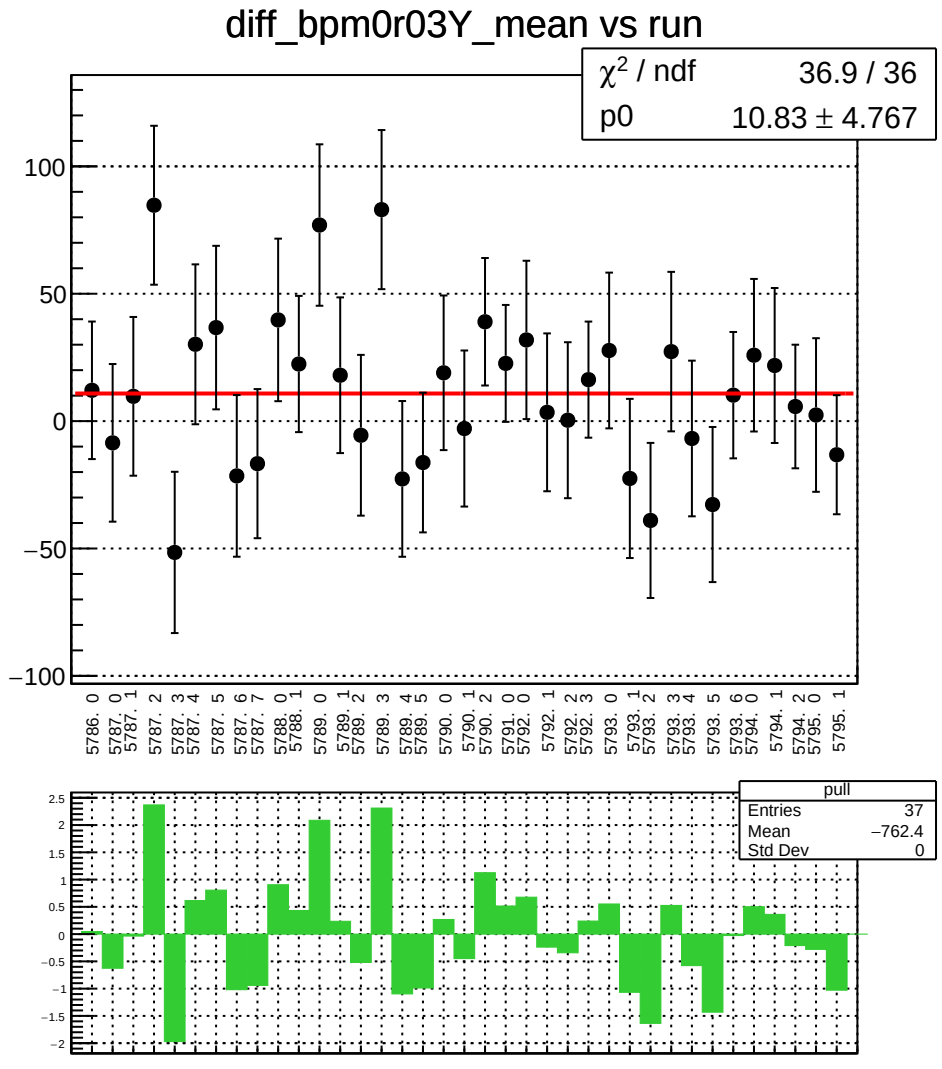

pull1D
Entries 37
Mean −0.005572
Std Dev 1.093

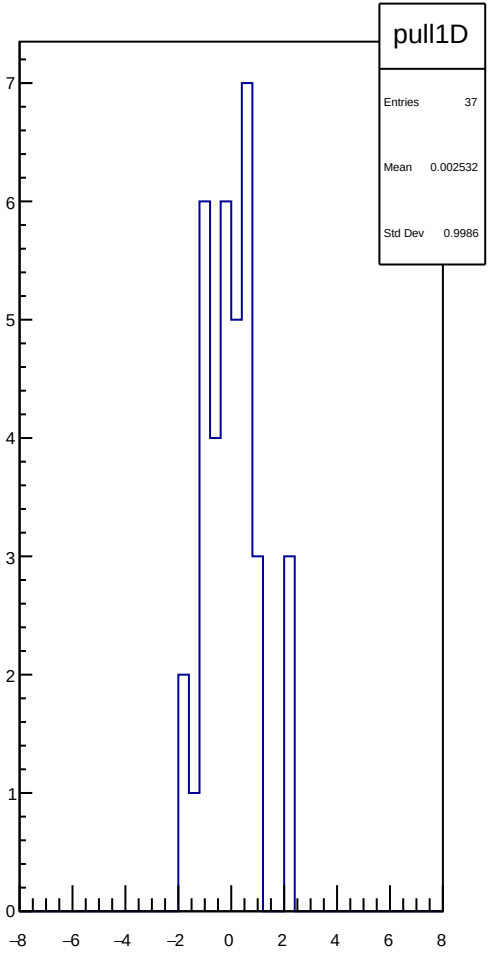

diff_bpm0l10Y_rms vs run
χ² / ndf 600 / 36
p0 988.8 ± 1.14
1080
1060
1040
1020
1000
980
960
940
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

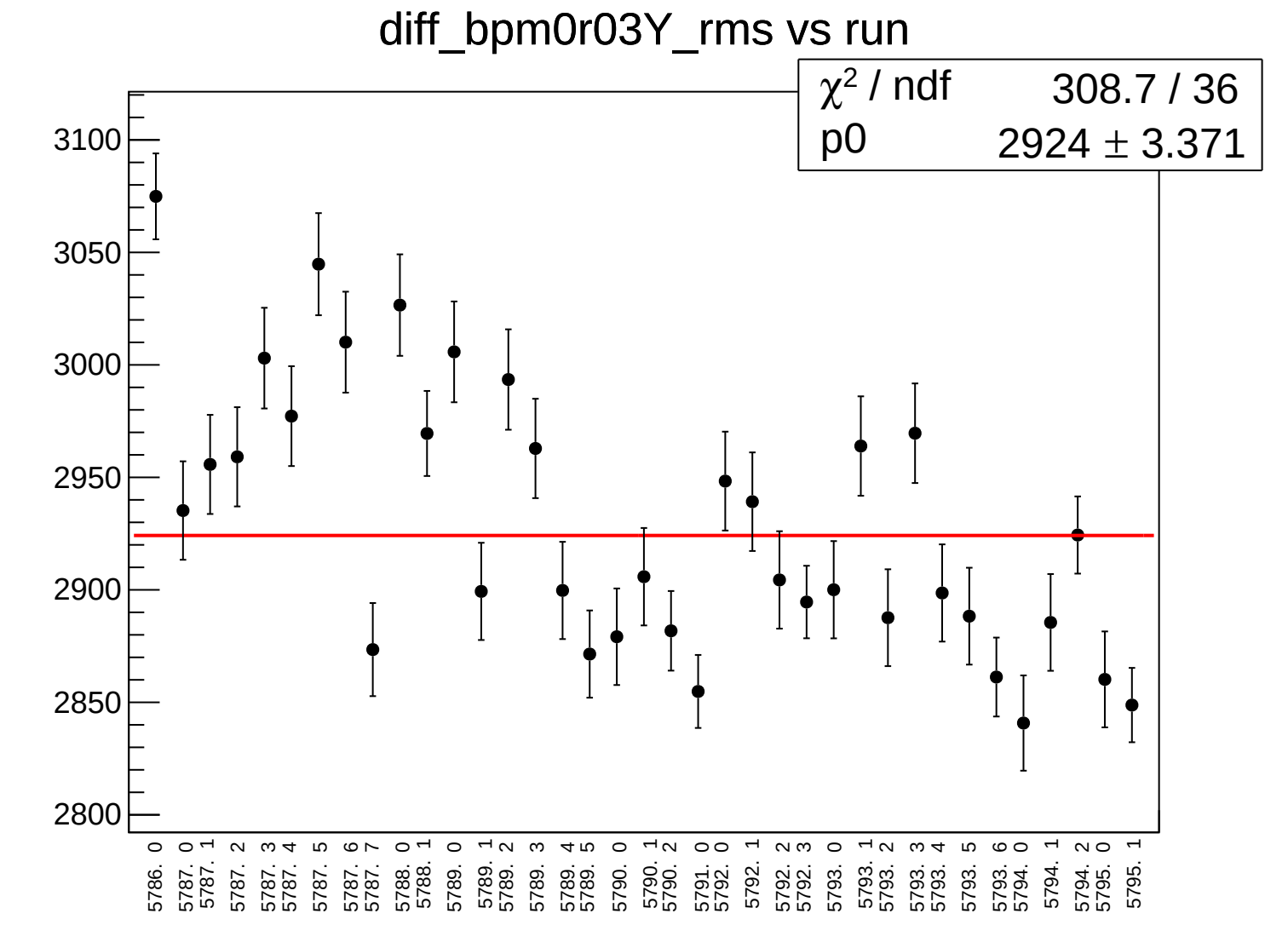

diff_bpm0r03X_mean vs run
χ² / ndf 34.34 / 36
p0 17.23 ± 113.7
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 75.25
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

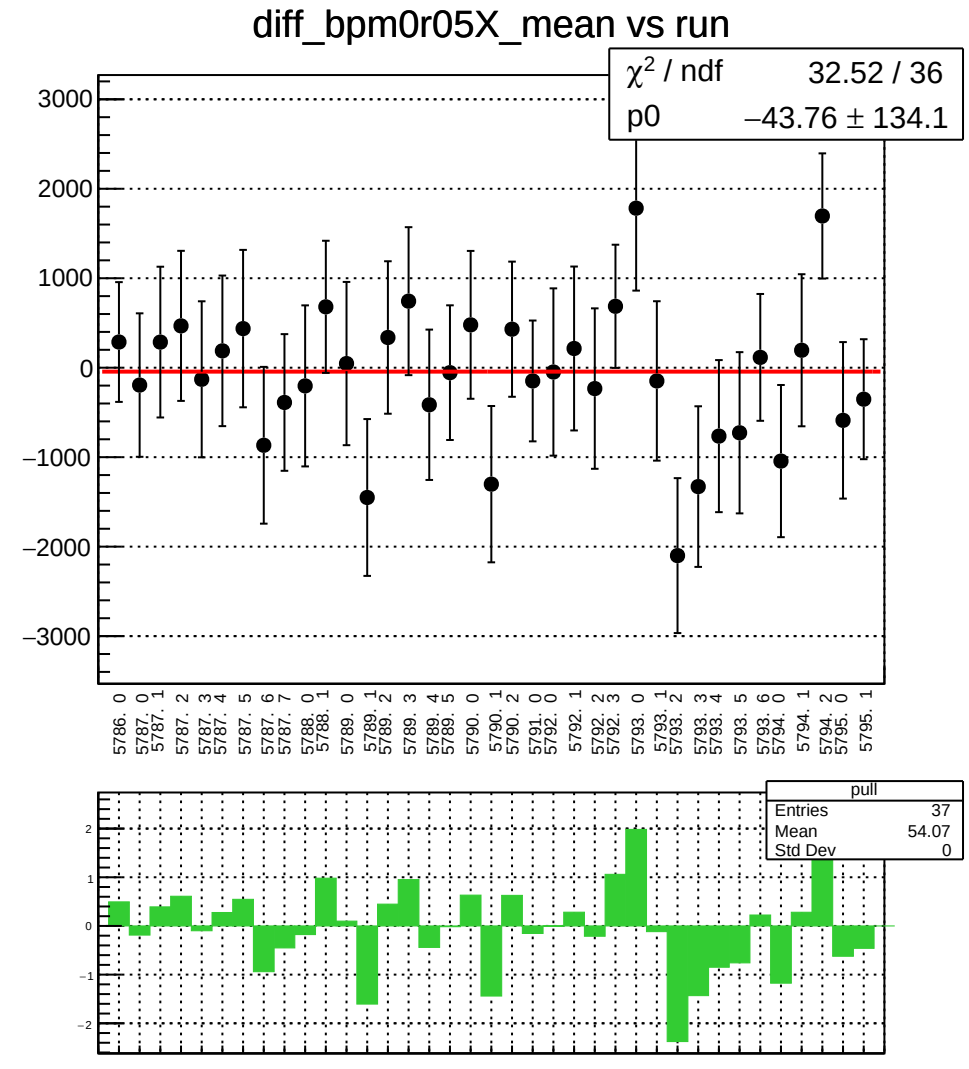

pull1D
Entries 37
Mean 0.02326
Std Dev 0.9631
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

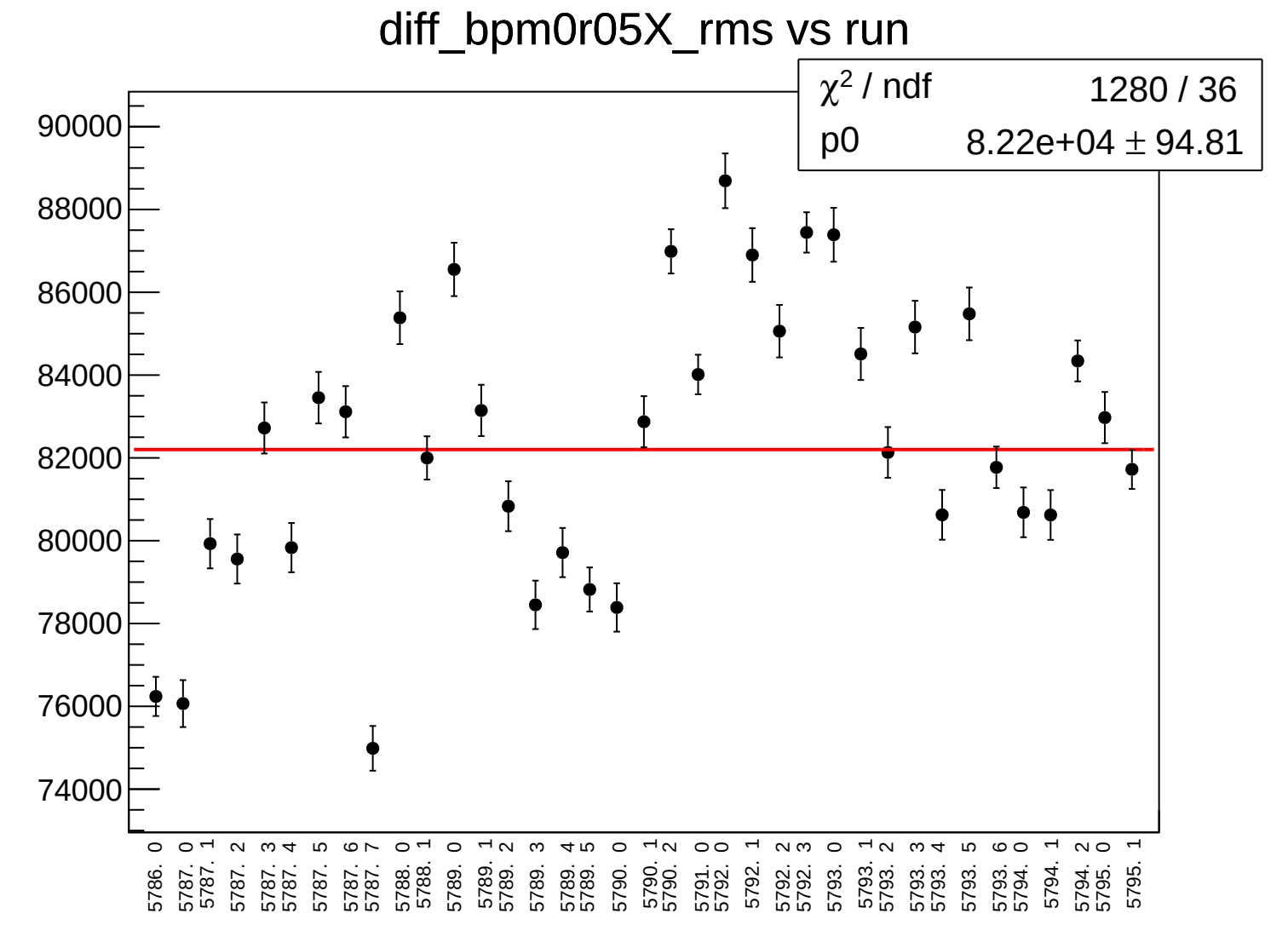

diff_bpm0r03X_rms vs run
χ² / ndf 1026 / 36
p0 6.975e+04 ± 80.43
76000
74000
72000
70000
68000
66000
64000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

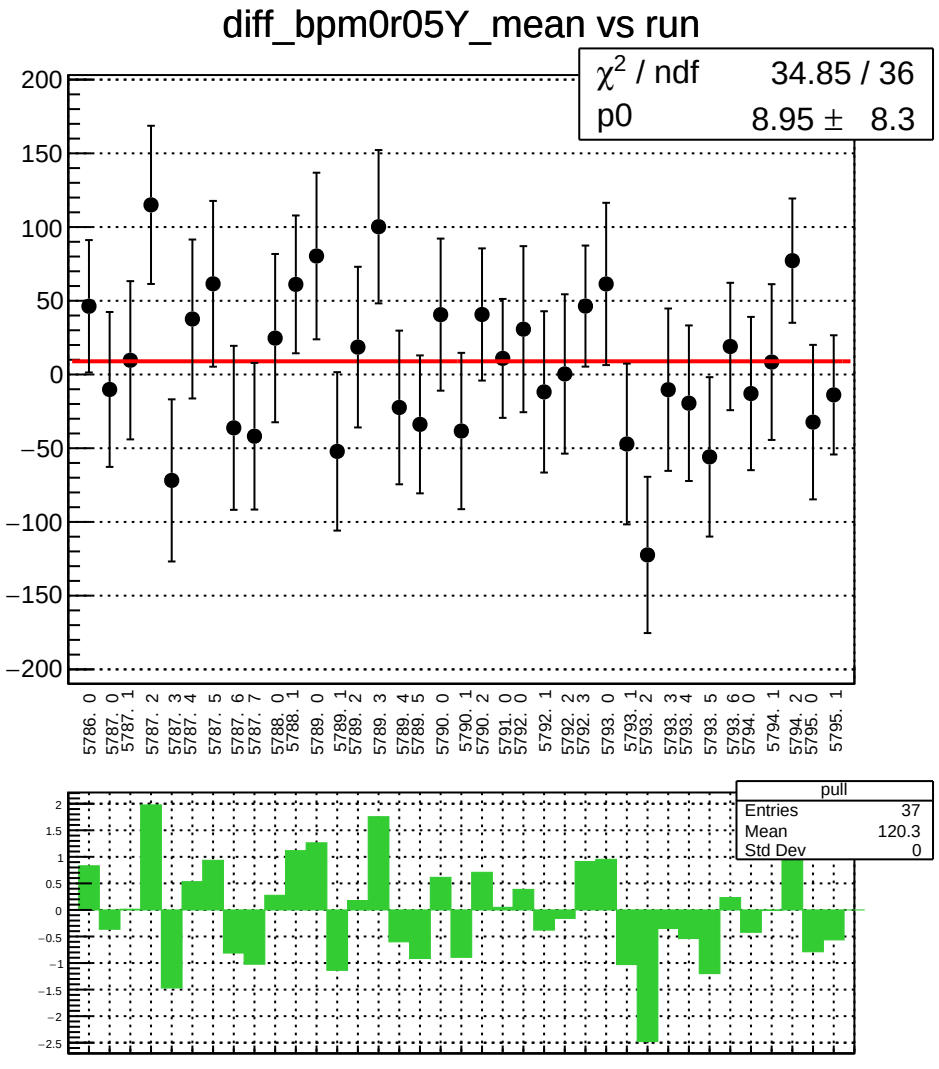

diff_bpm0r03Y_mean vs run
χ² / ndf 36.9 / 36
p0 10.83 ± 4.767
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −762.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

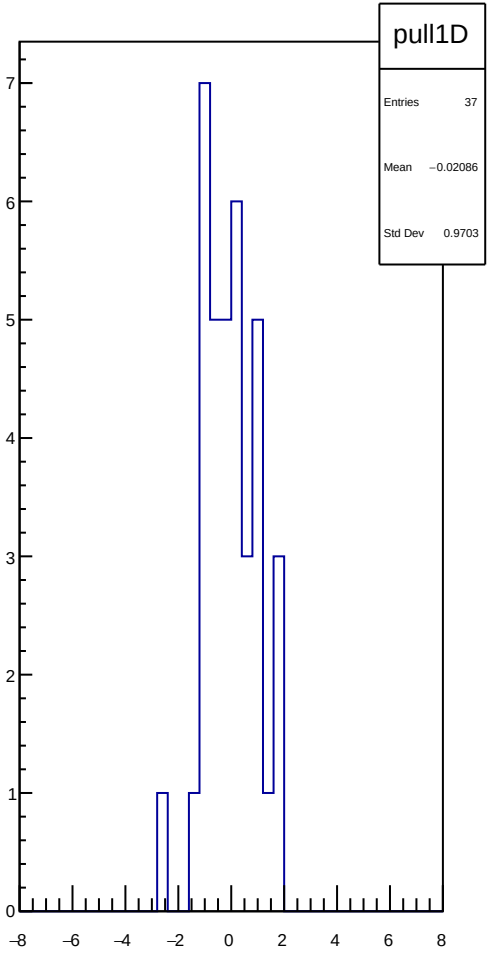

pull1D
Entries 37
Mean 0.002532
Std Dev 0.9986
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

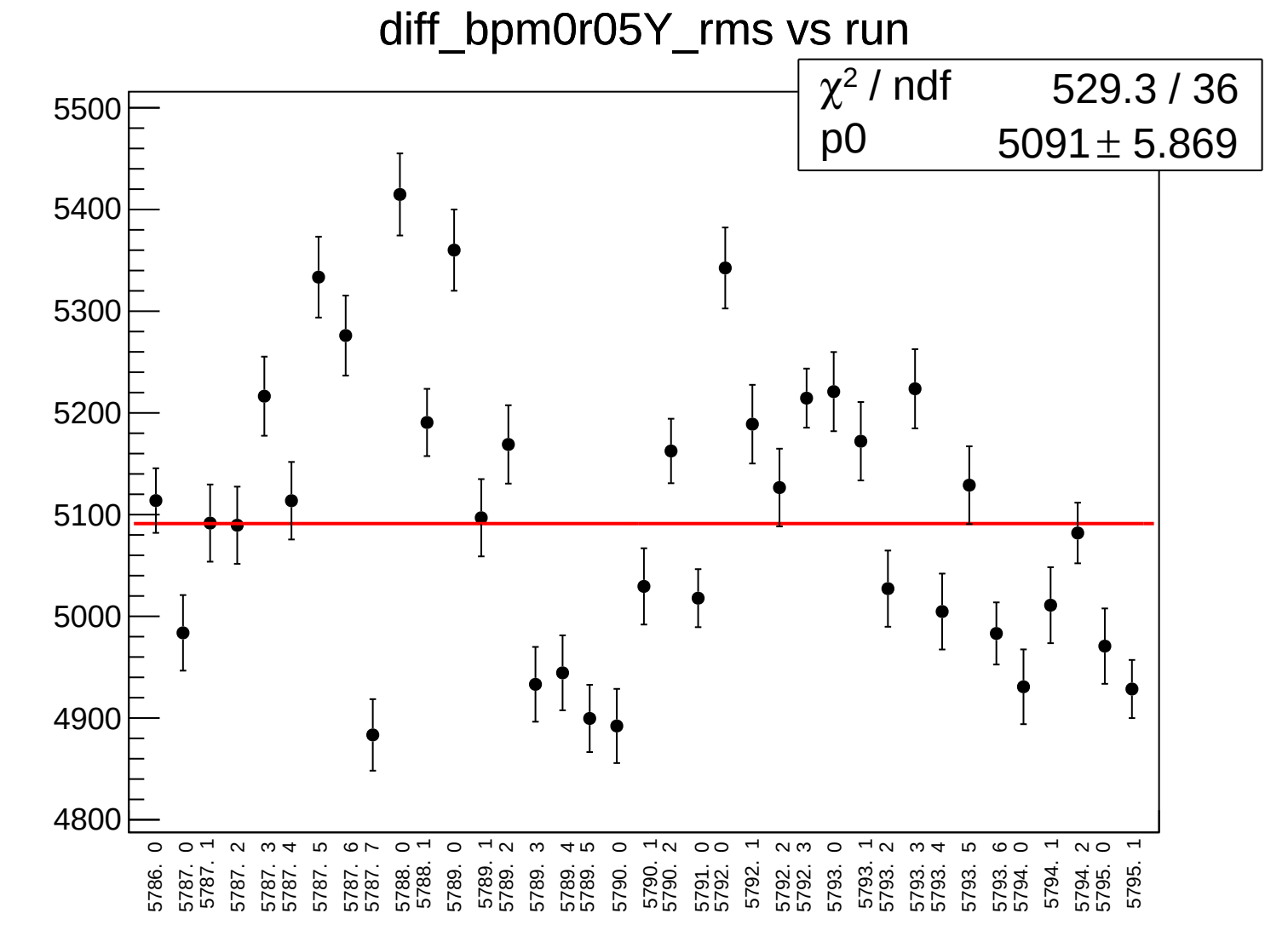

diff_bpm0r03Y_rms vs run
χ² / ndf 308.7 / 36
p0 2924 ± 3.371
3100
3050
3000
2950
2900
2850
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

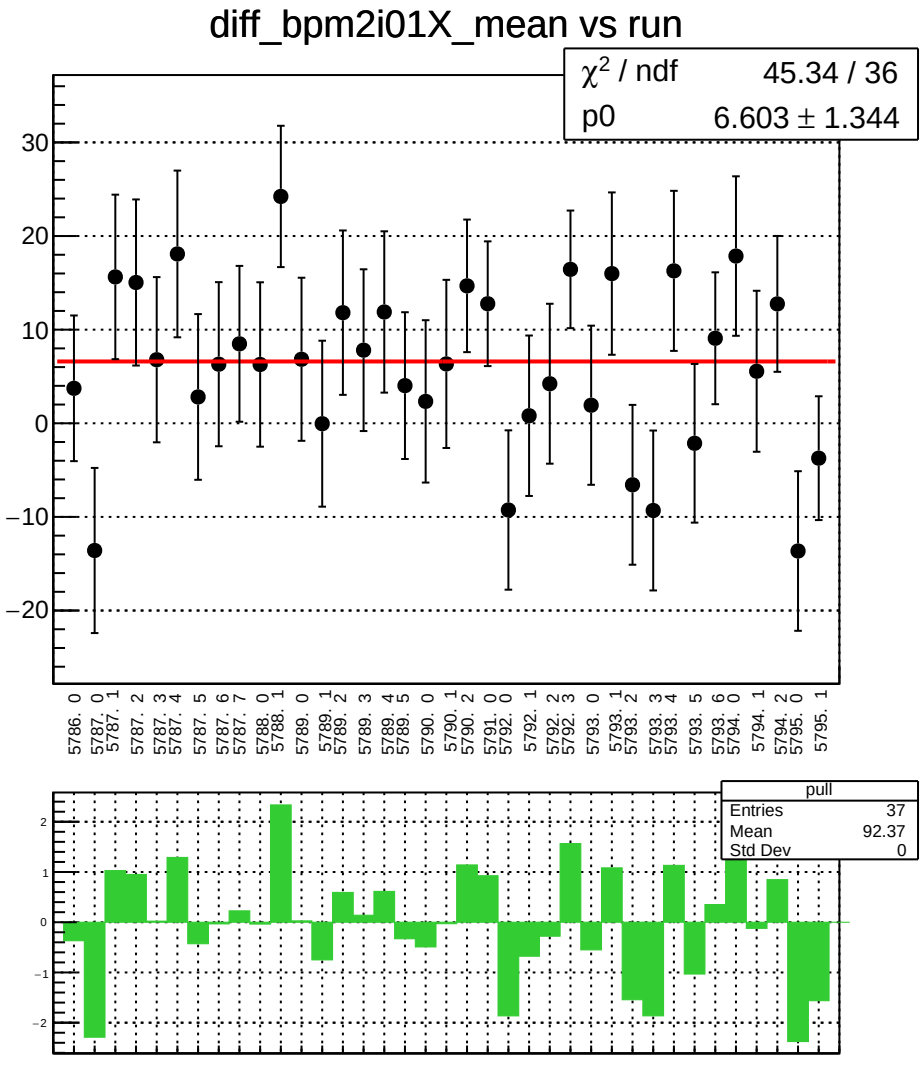

diff_bpm0r05X_mean vs run
χ² / ndf 32.52 / 36
p0 −43.76 ± 134.1
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 54.07
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0308
Std Dev 0.937
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

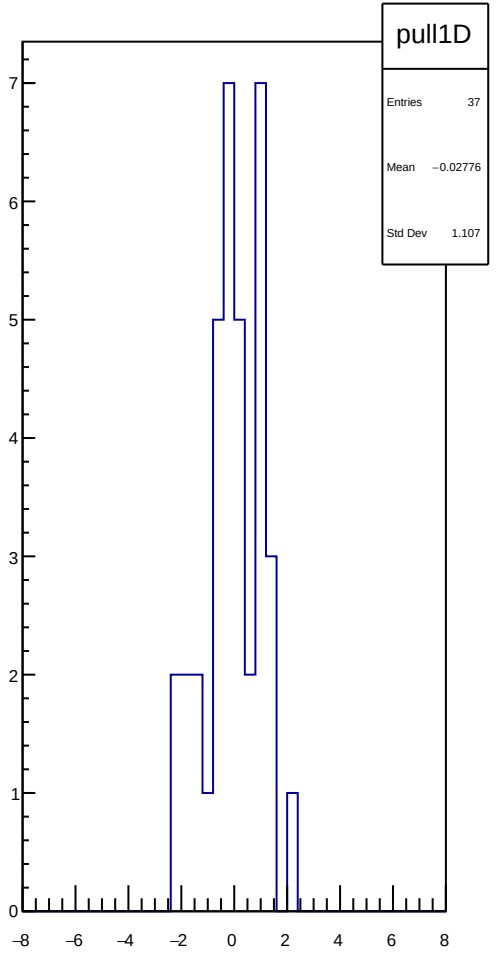

diff_bpm0r05X_rms vs run
χ² / ndf 1280 / 36
p0 8.22e+04 ± 94.81
90000
88000
86000
84000
82000
80000
78000
76000
74000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

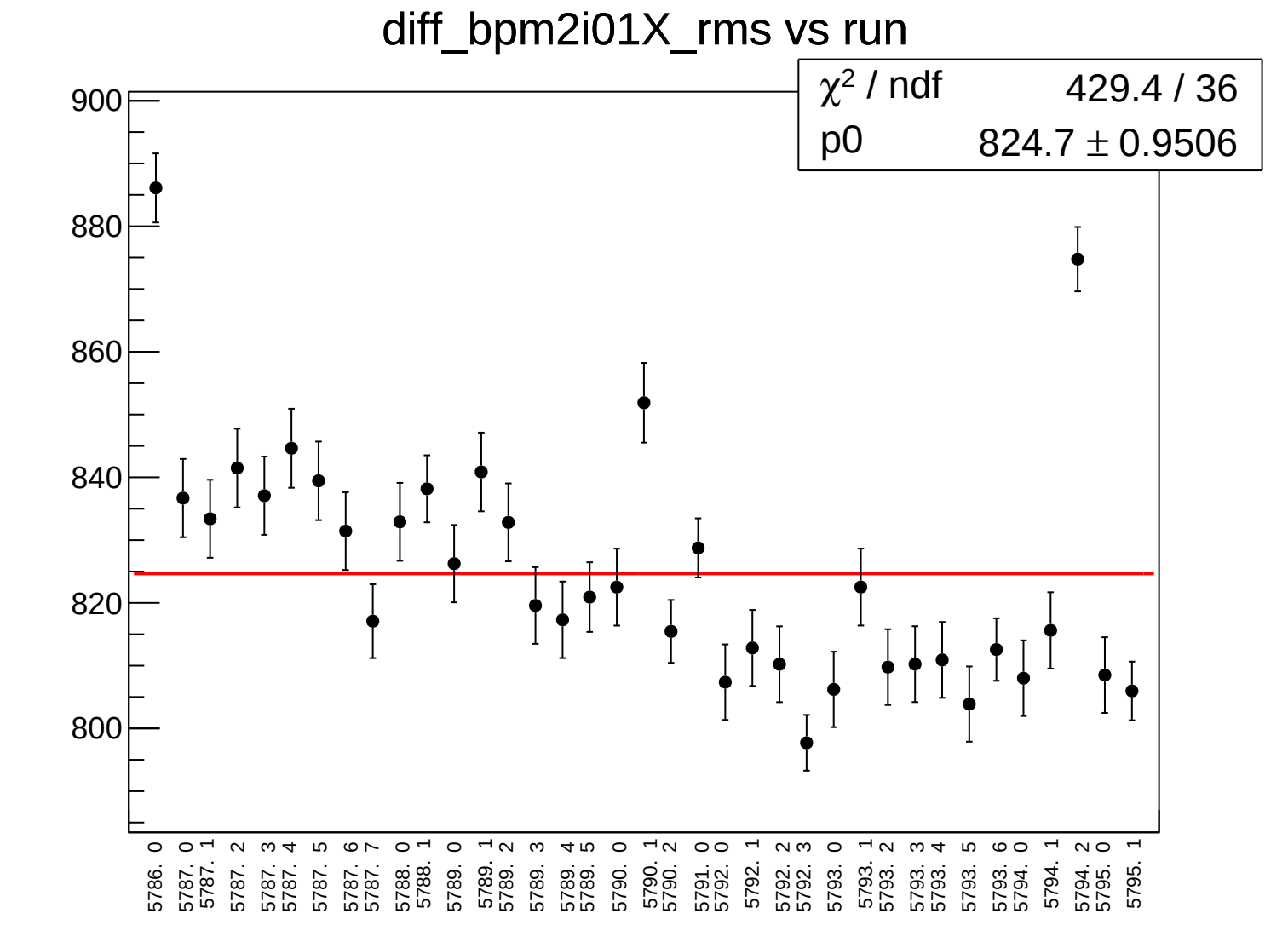

diff_bpm0r05Y_mean vs run
χ² / ndf 34.85 / 36
p0 8.95 ± 8.3
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 120.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

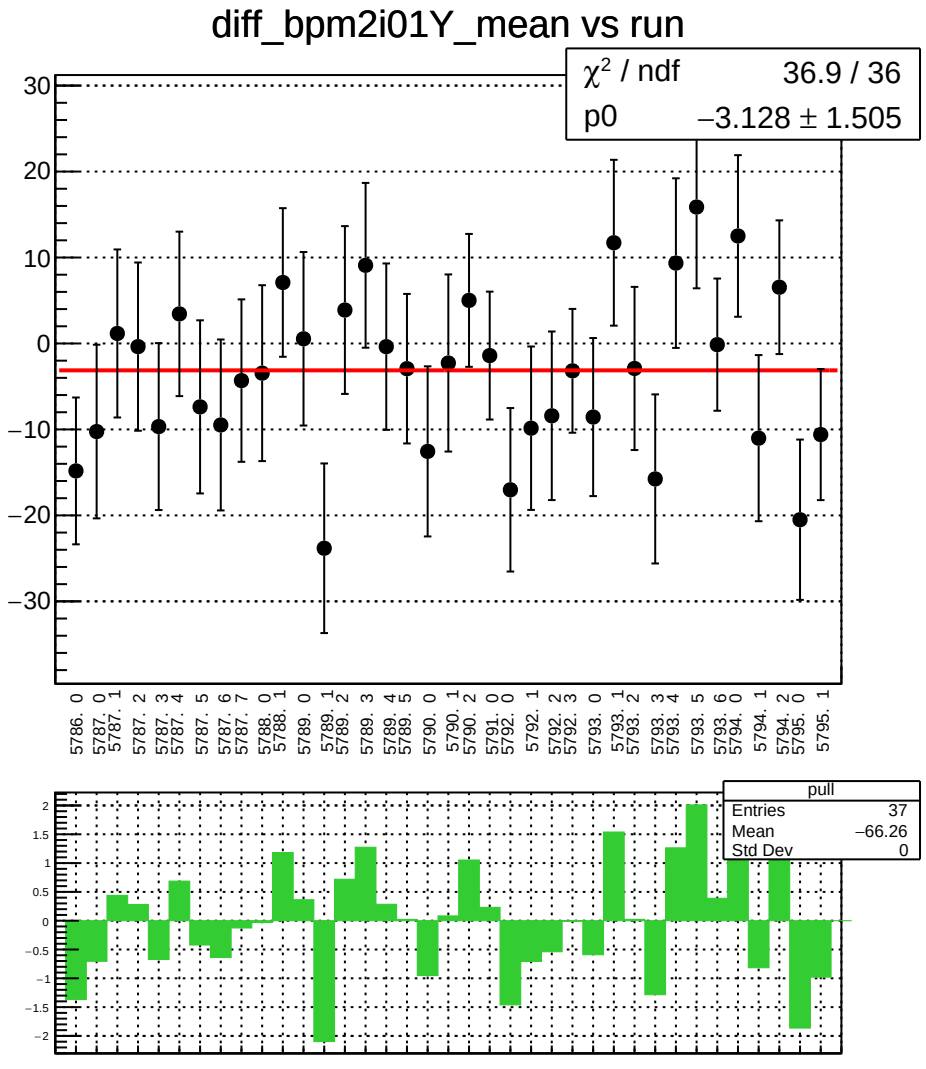

pull1D
Entries 37
Mean −0.02086
Std Dev 0.9703
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

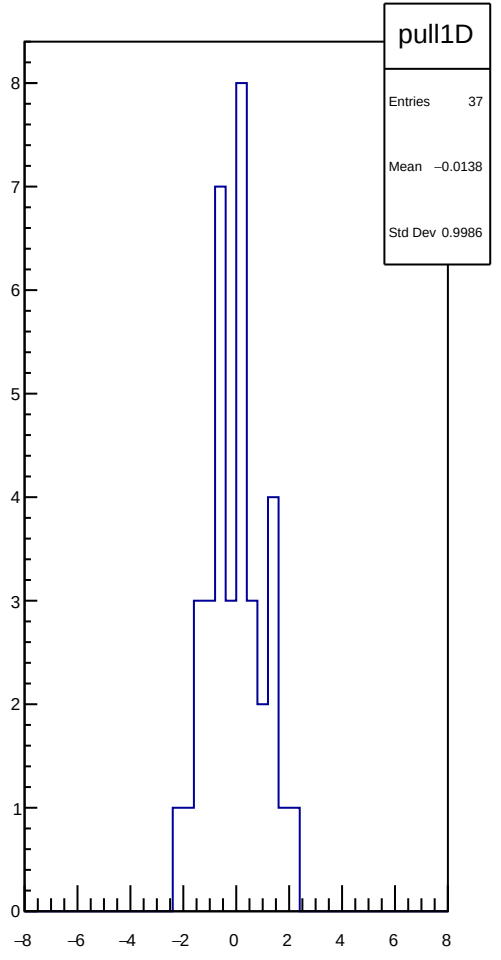

diff_bpm0r05Y_rms vs run
χ² / ndf 529.3 / 36
p0 5091 ± 5.869
5500
5400
5300
5200
5100
5000
4900
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

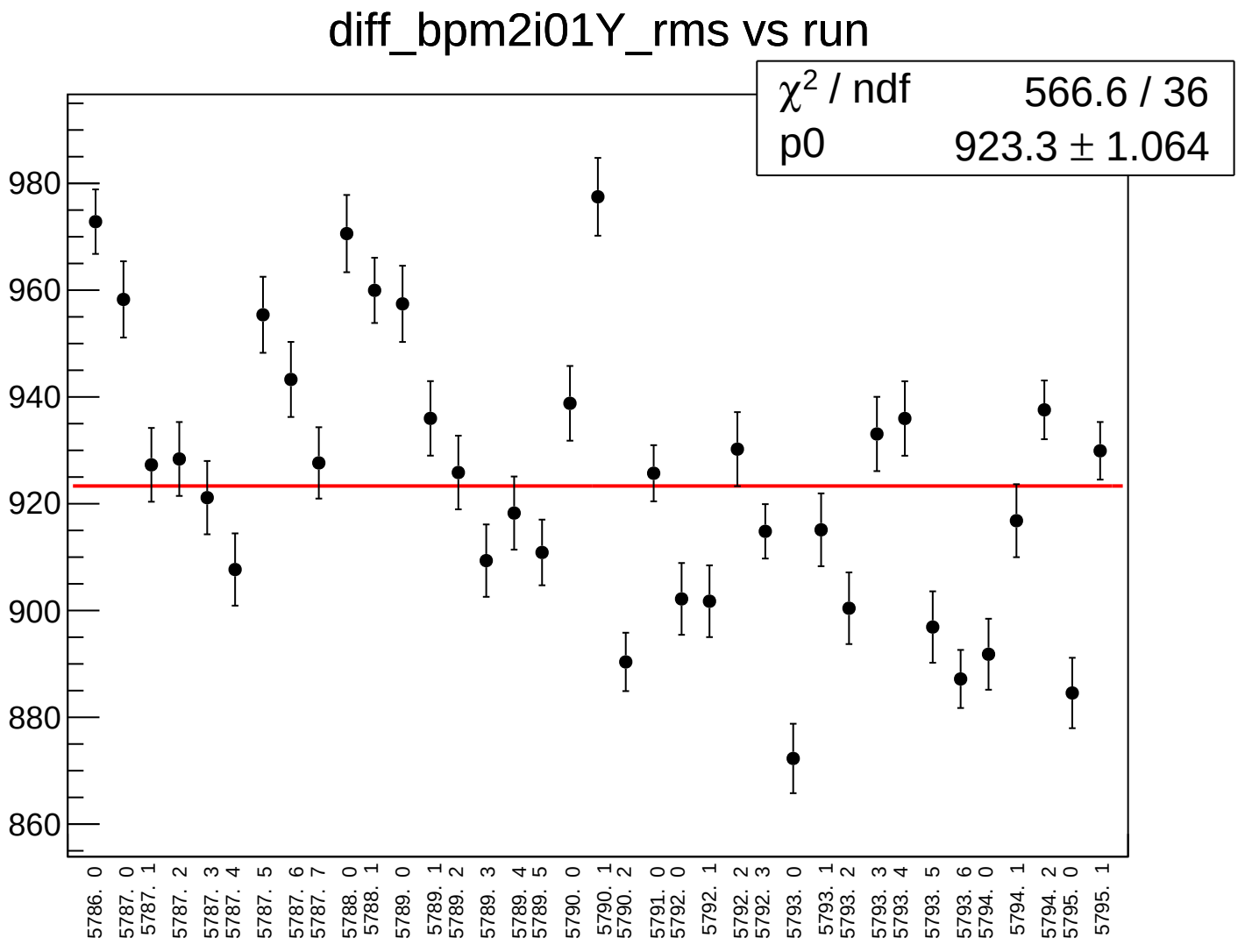

diff_bpm2i01X_mean vs run
χ^2 / ndf 45.34 / 36
p0 6.603 ± 1.344
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 92.37
Std Dev 0
2
1
0
−1
−2

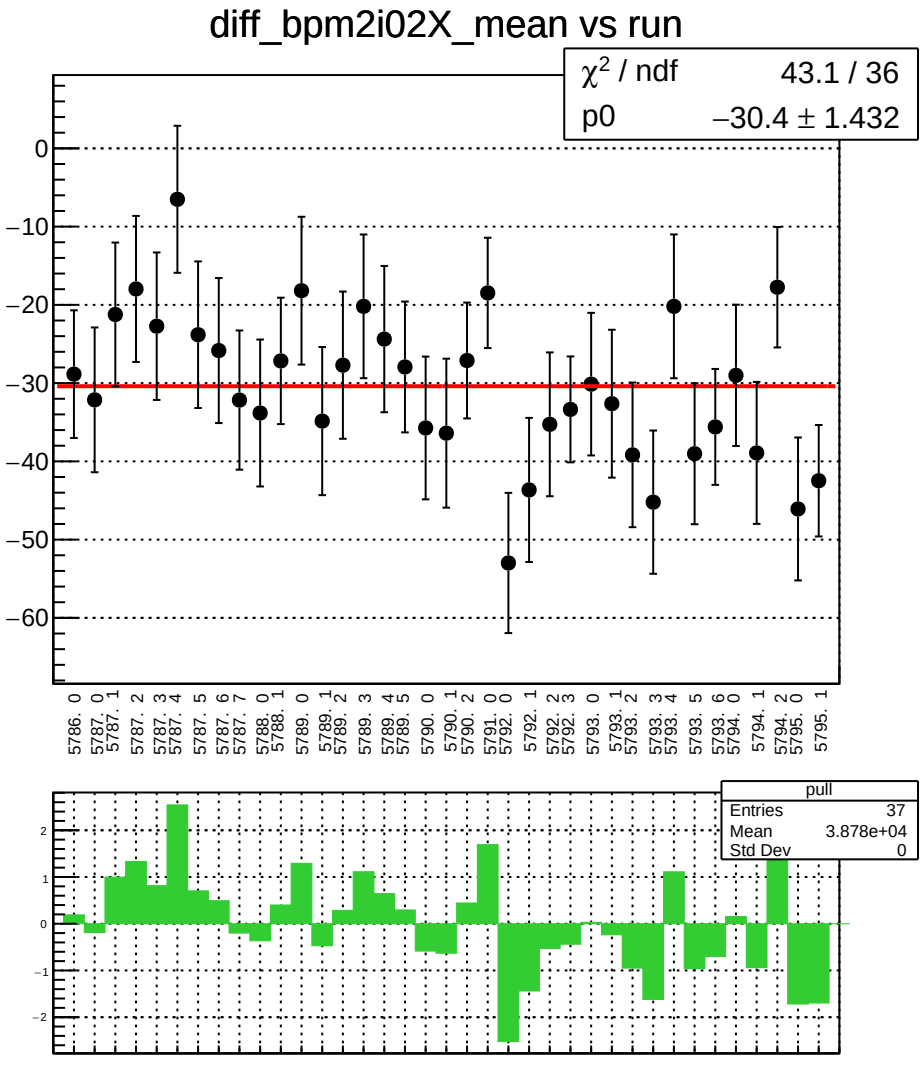

pull1D
Entries 37
Mean −0.02776
Std Dev 1.107
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

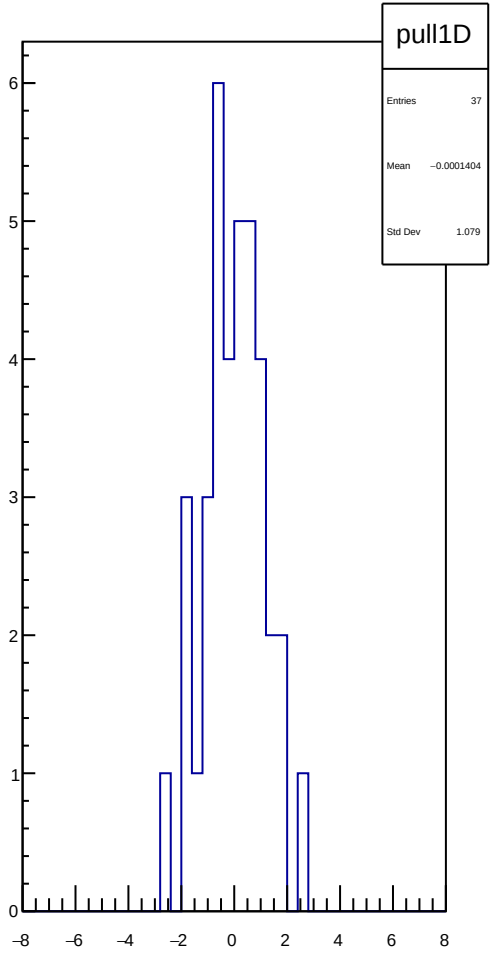

diff_bpm2i01X_rms vs run
χ² / ndf 429.4 / 36
p0 824.7 ± 0.9506
900
880
860
840
820
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

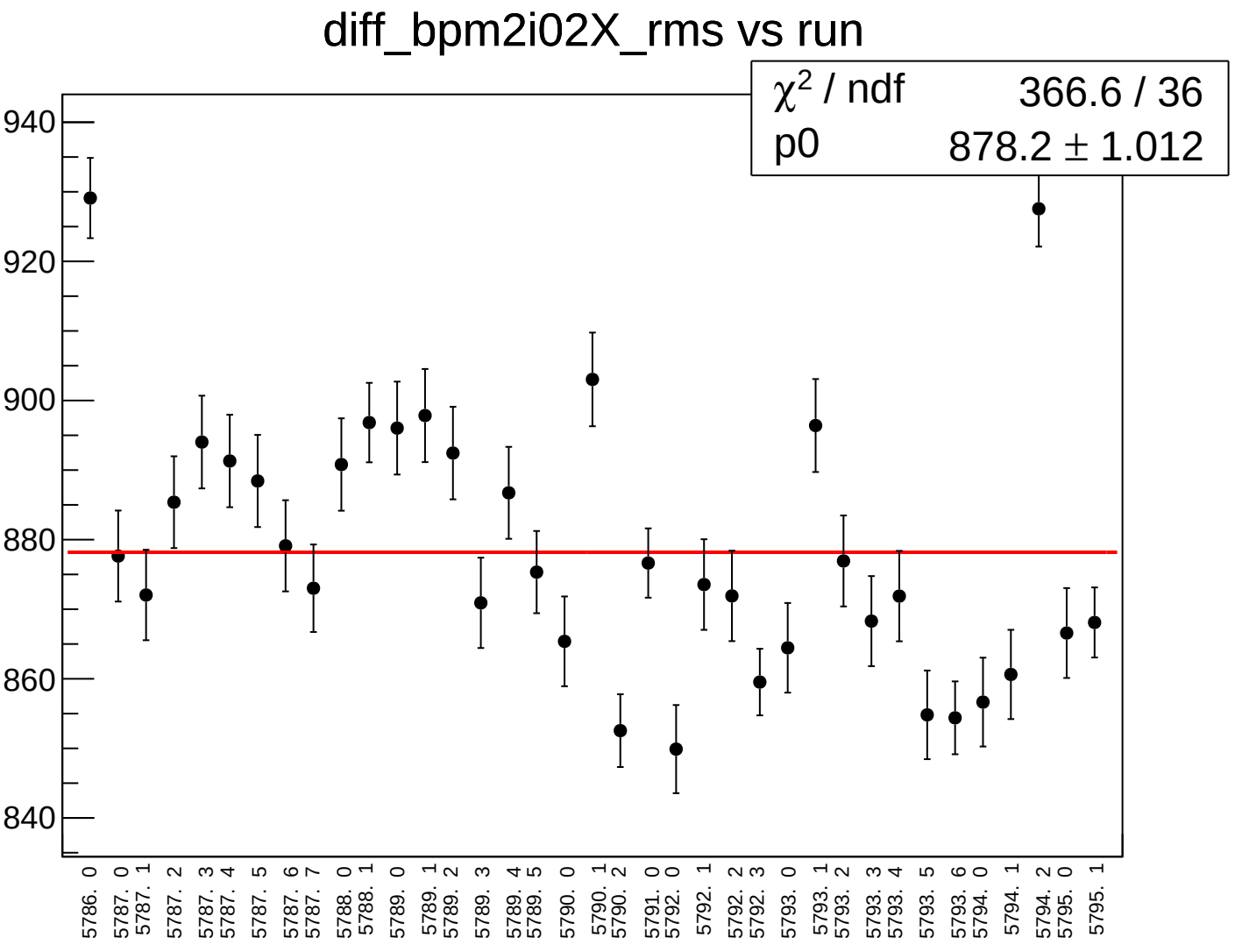

diff_bpm2i01Y_mean vs run
χ² / ndf 36.9 / 36
p0 −3.128 ± 1.505
30
20
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −66.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

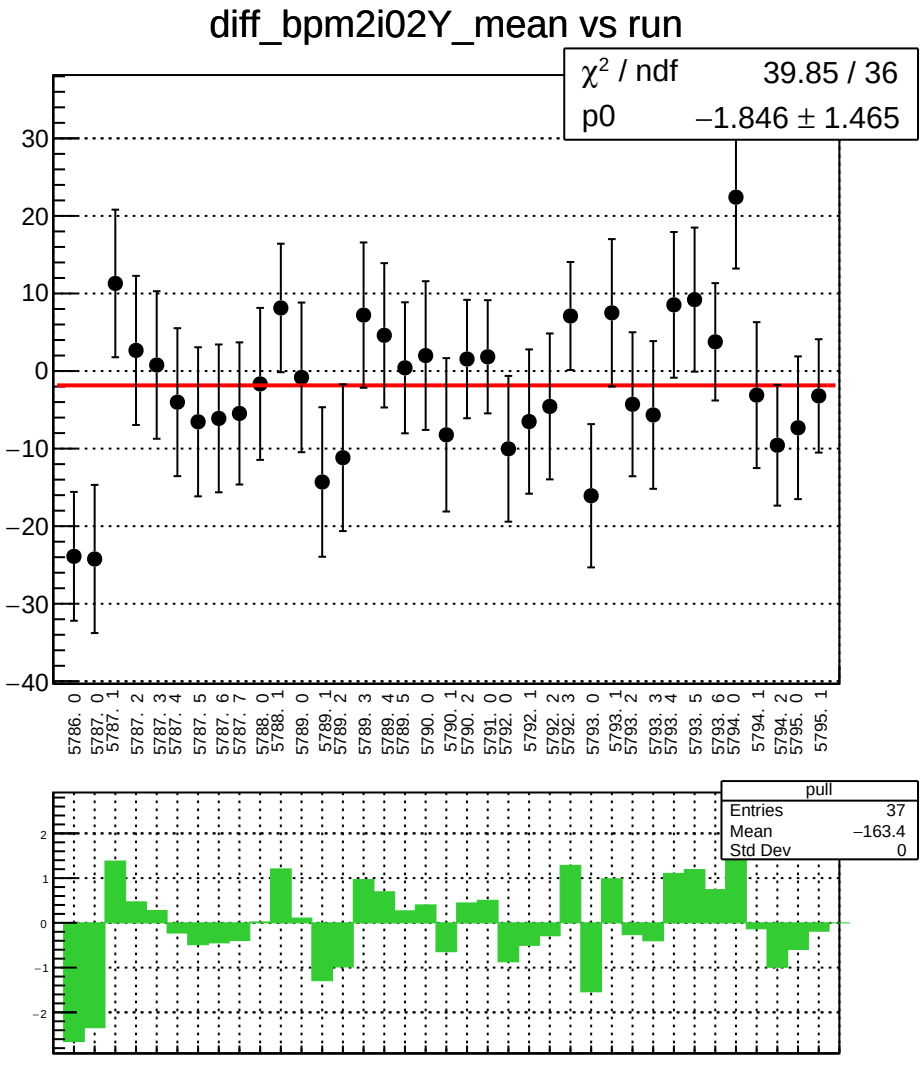

pull1D
Entries 37
Mean −0.0138
Std Dev 0.9986
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

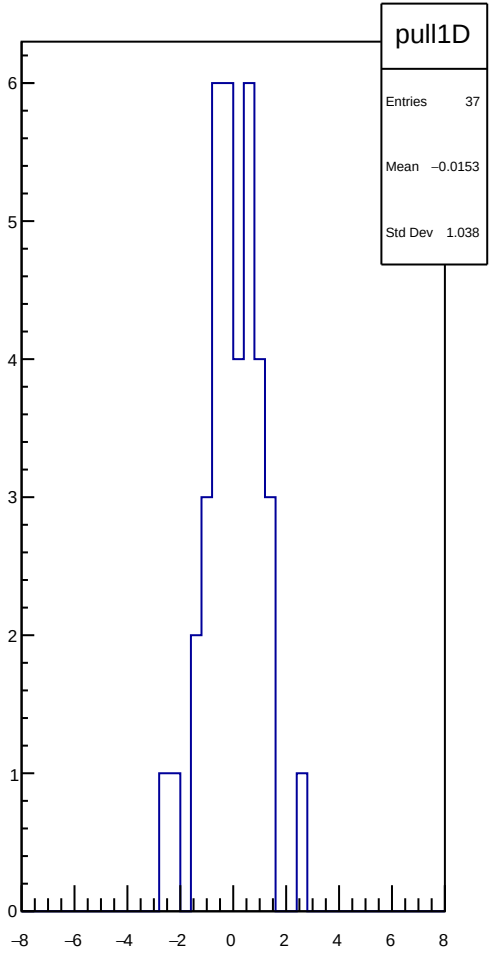

diff_bpm2i01Y_rms vs run
χ² / ndf 566.6 / 36
p0 923.3 ± 1.064
980
960
940
920
900
880
860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

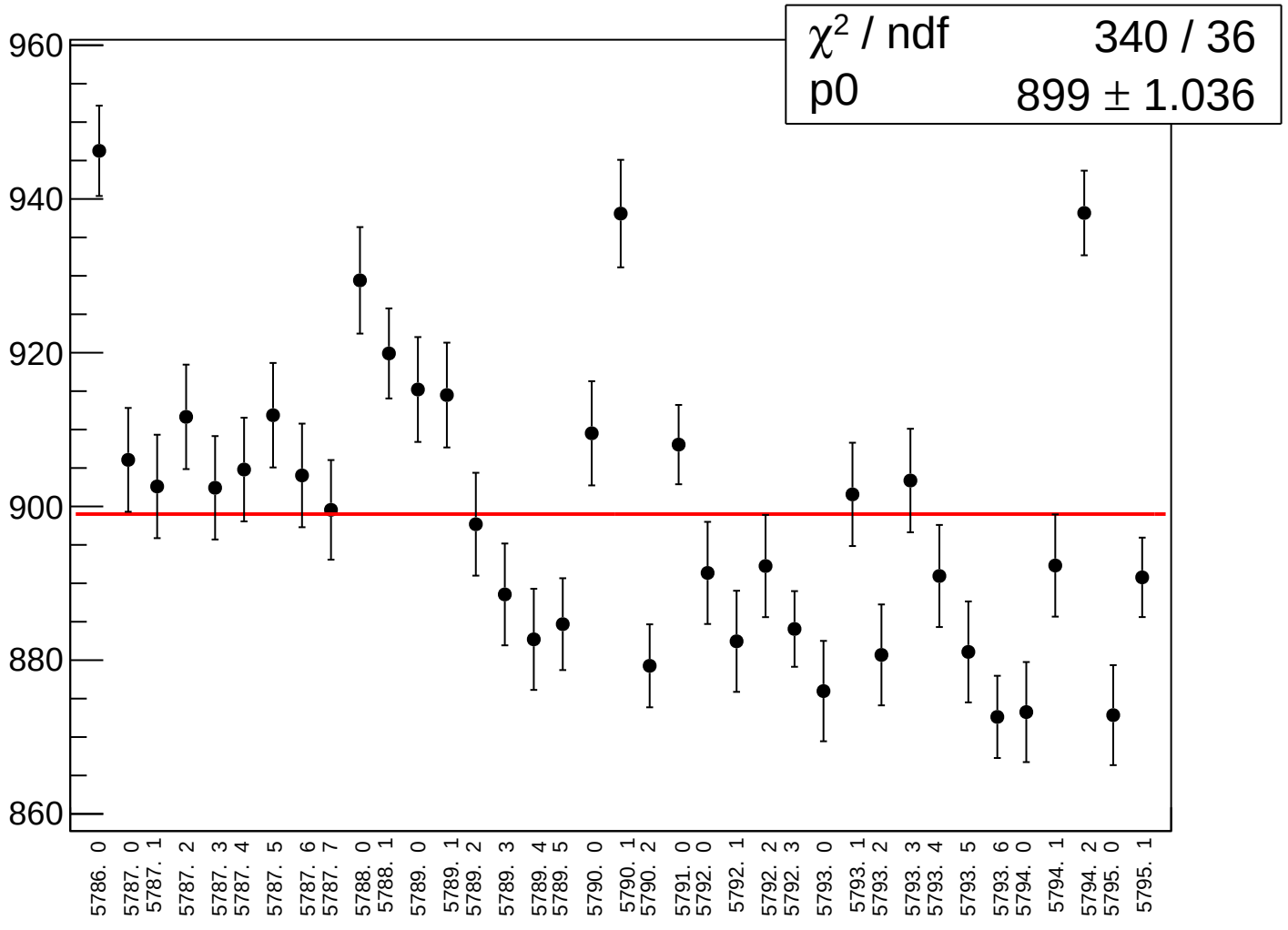

diff_bpm2i02X_mean vs run
χ² / ndf 43.1 / 36
p0 −30.4 ± 1.432
0
−10
−20
−30
−40
−50
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3.878e+04
Std Dev 0
2
1
0
−1
−2

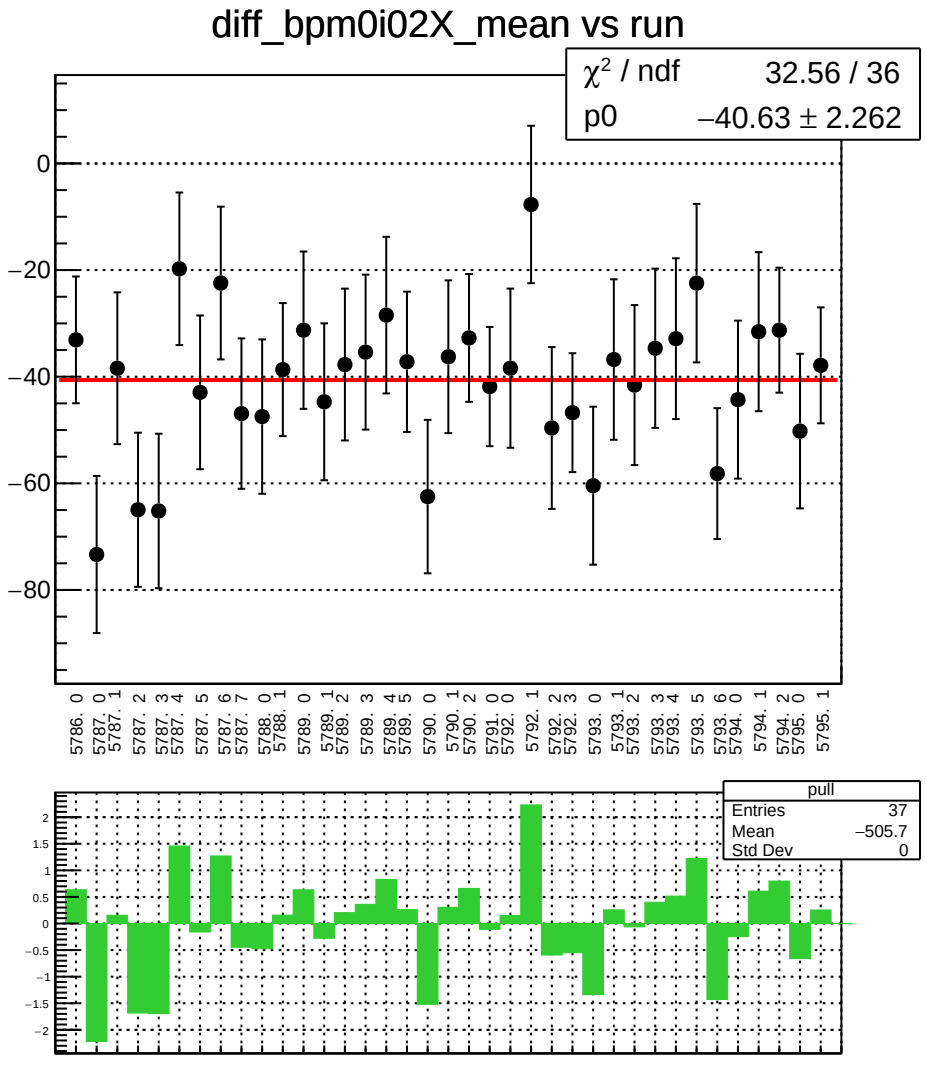

pull1D
Entries 37
Mean −0.0001404
Std Dev 1.079
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

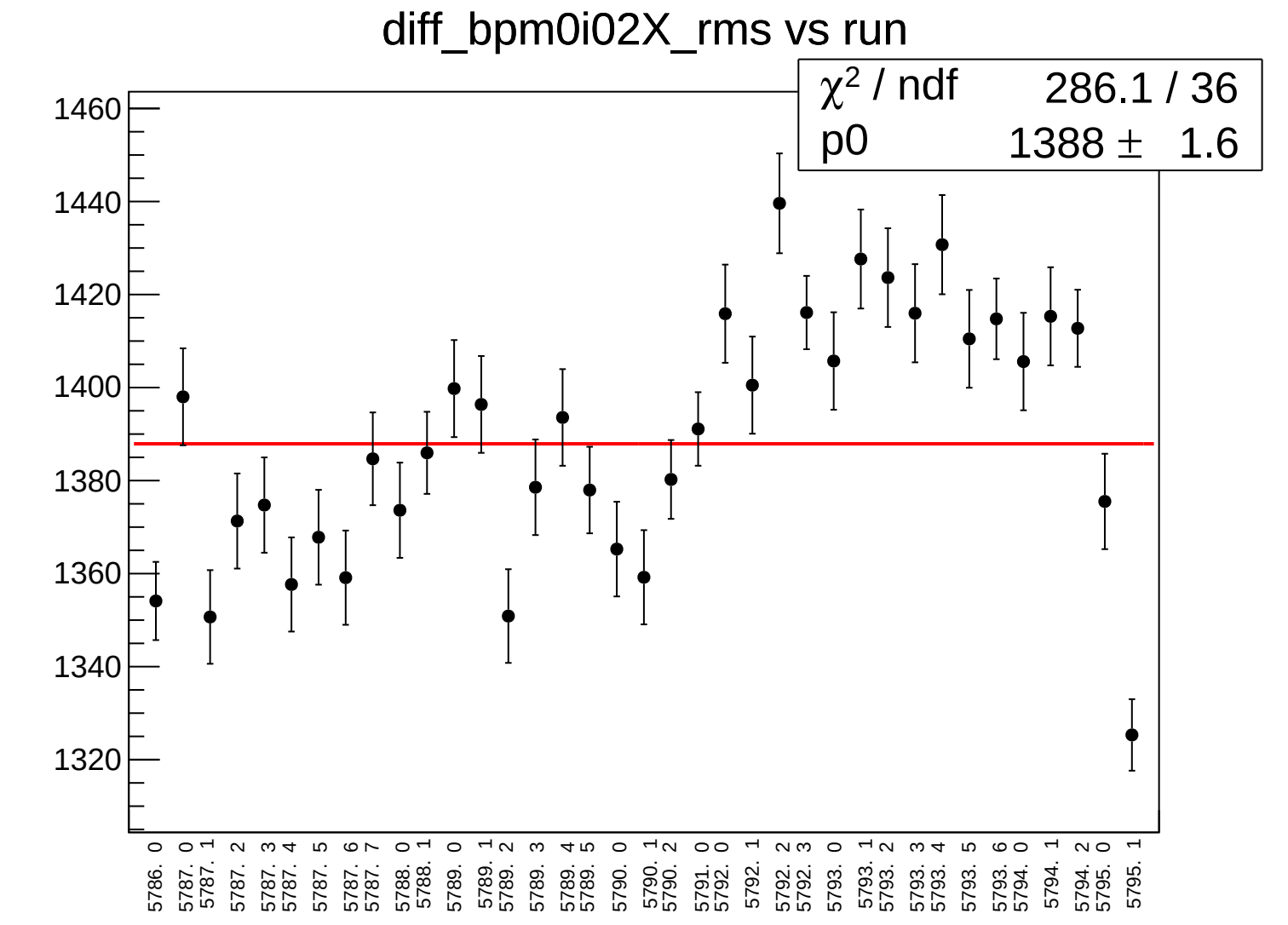

diff_bpm2i02X_rms vs run
χ² / ndf 366.6 / 36
p0 878.2 ± 1.012
940
920
900
880
860
840
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

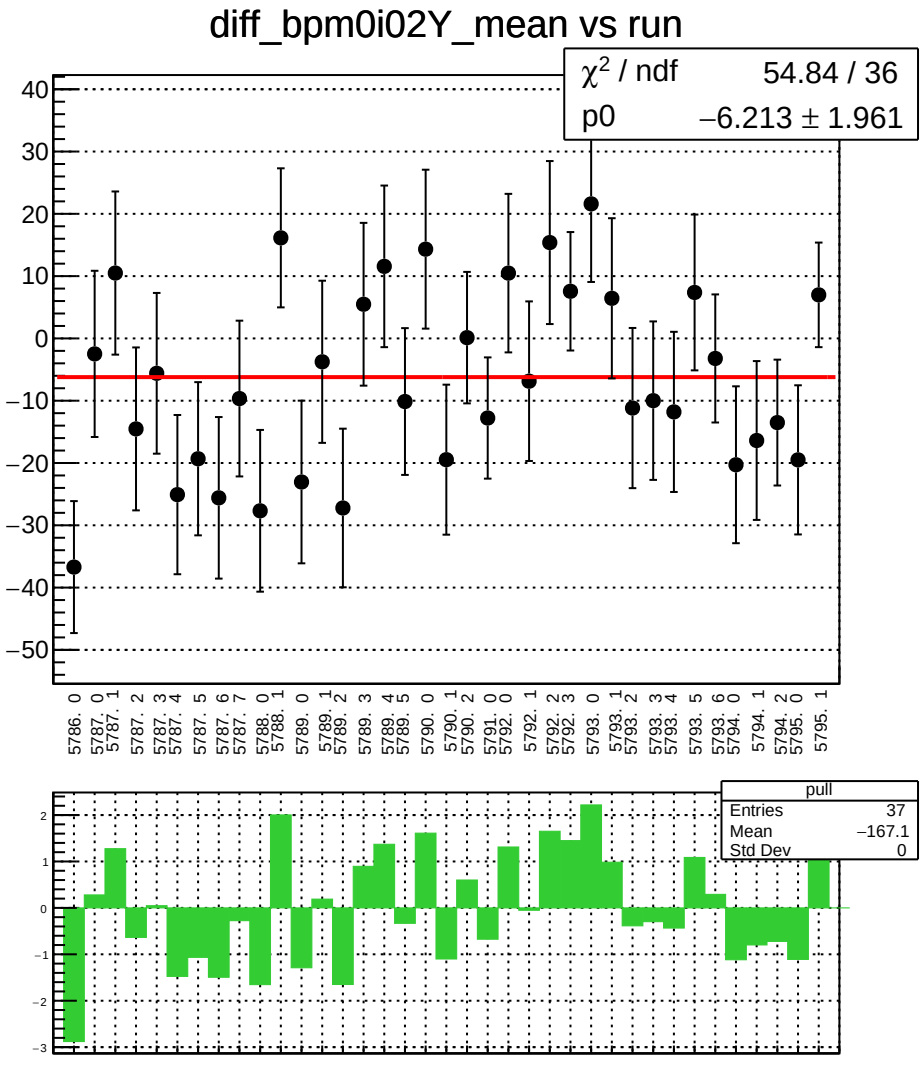

diff_bpm2i02Y_mean vs run
χ² / ndf 39.85 / 36
p0 −1.846 ± 1.465
pull
Entries 37
Mean −163.4
Std Dev 0

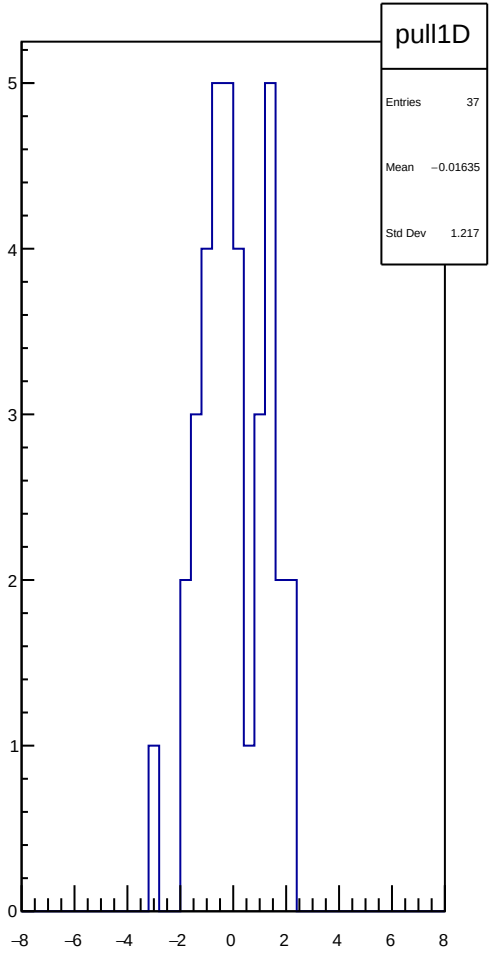

pull1D
Entries 37
Mean −0.0153
Std Dev 1.038

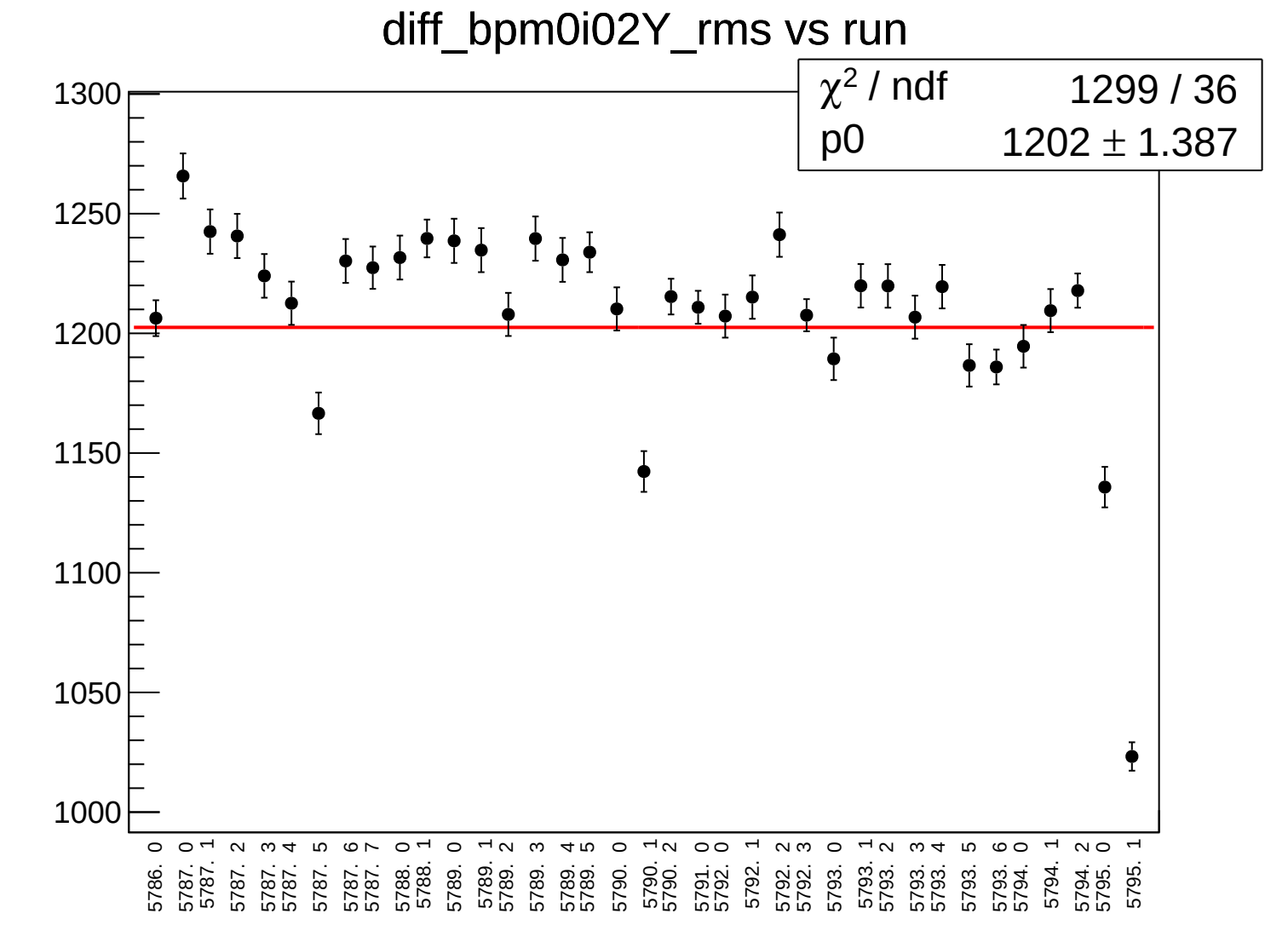

diff_bpm2i02Y_rms vs run
χ² / ndf 340 / 36
p0 899 ± 1.036
960
940
920
900
880
860
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

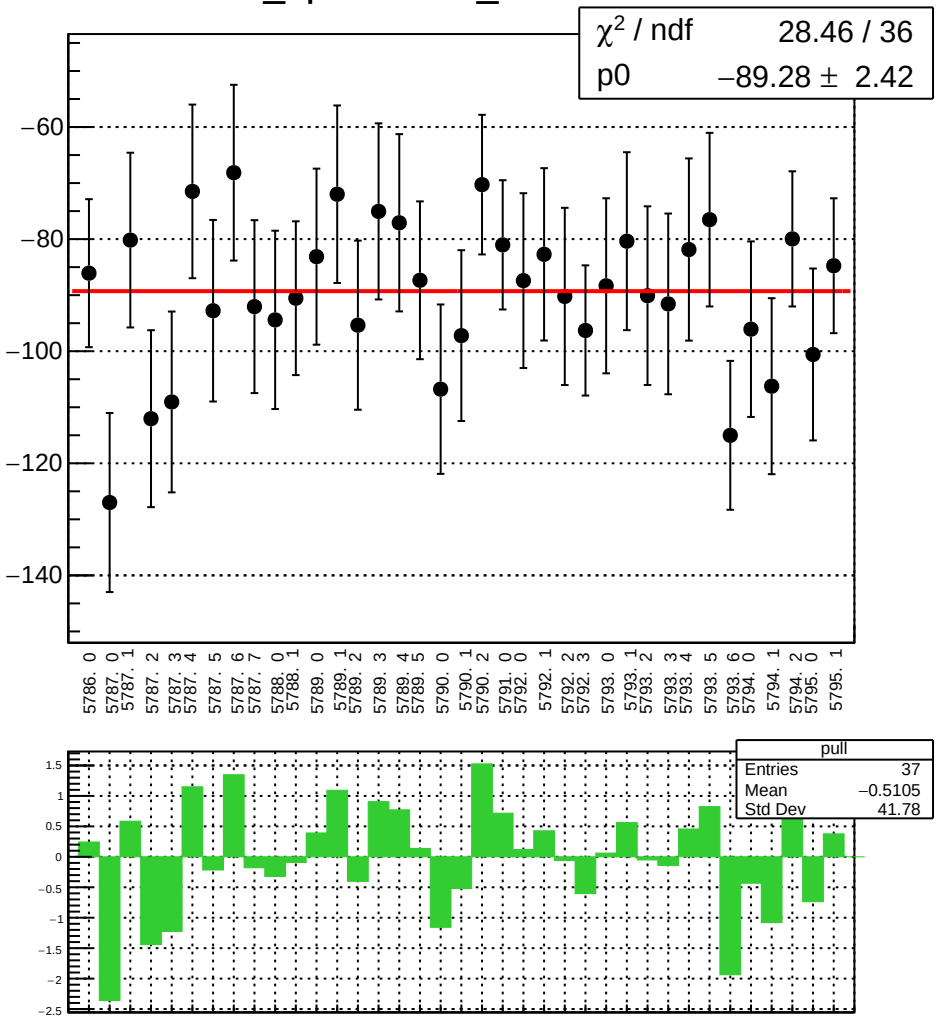

diff_bpm0i02X_mean vs run
χ² / ndf 32.56 / 36
p0 −40.63 ± 2.262
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −505.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.002873
Std Dev 0.9381
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

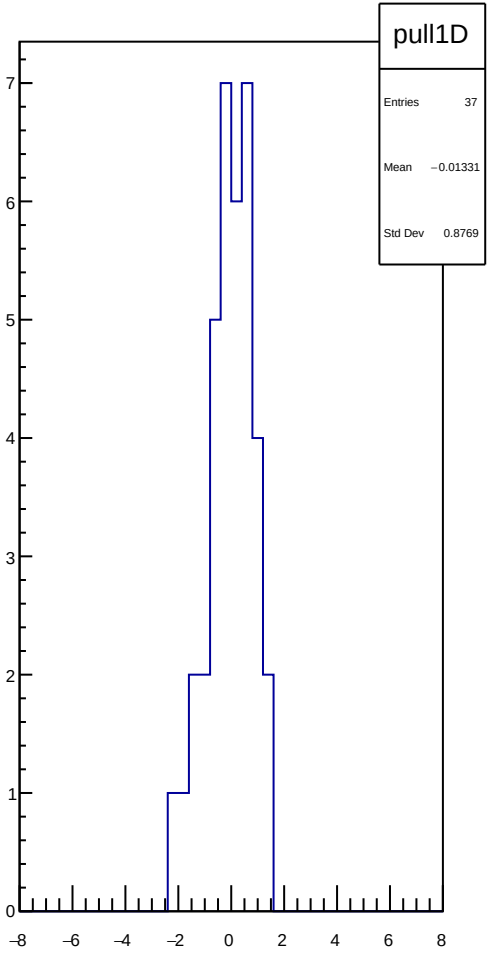

diff_bpm0i02X_rms vs run
χ² / ndf 286.1 / 36
p0 1388 ± 1.6
1460
1440
1420
1400
1380
1360
1340
1320
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

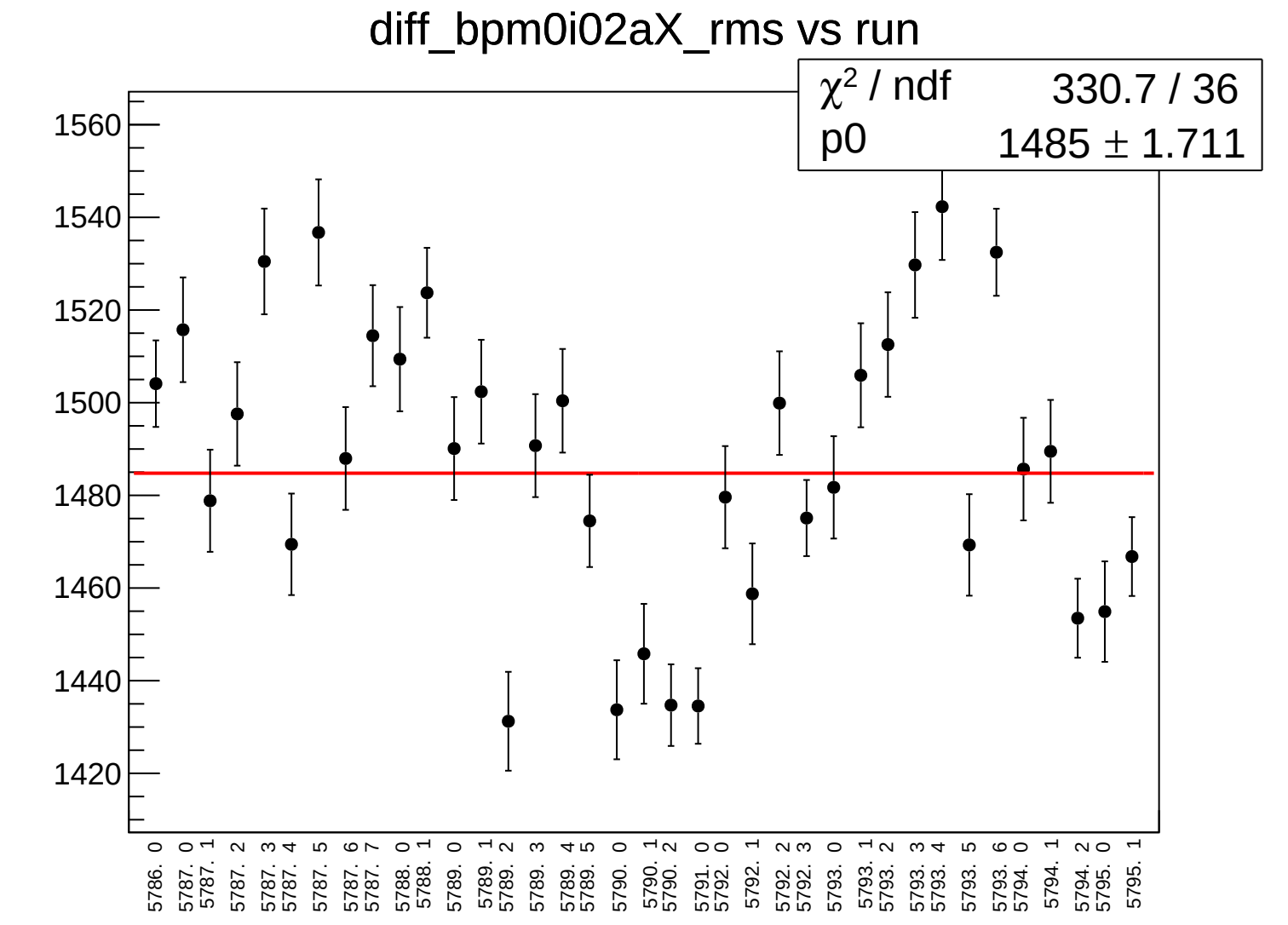

diff_bpm0i02Y_mean vs run
χ² / ndf 54.84 / 36
p0 −6.213 ± 1.961
pull
Entries 37
Mean −167.1
Std Dev 0

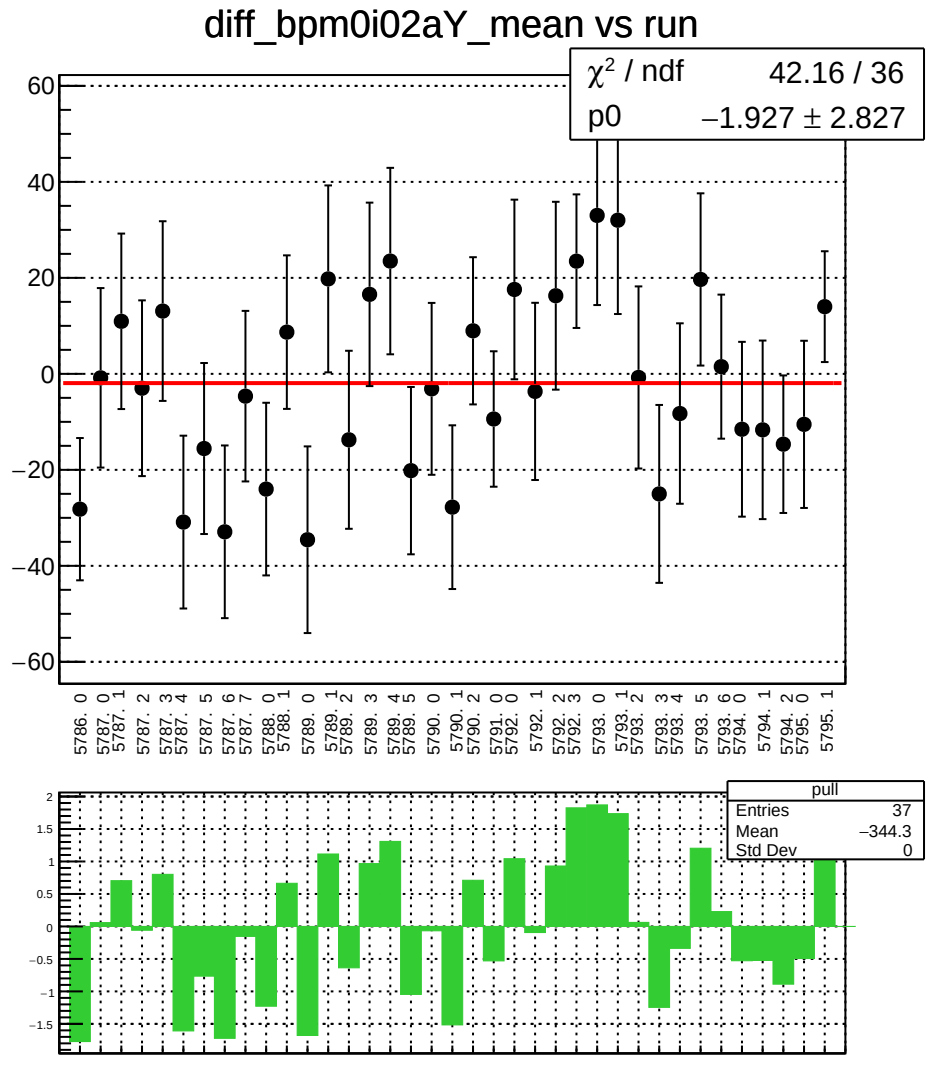

pull1D
Entries 37
Mean −0.01635
Std Dev 1.217

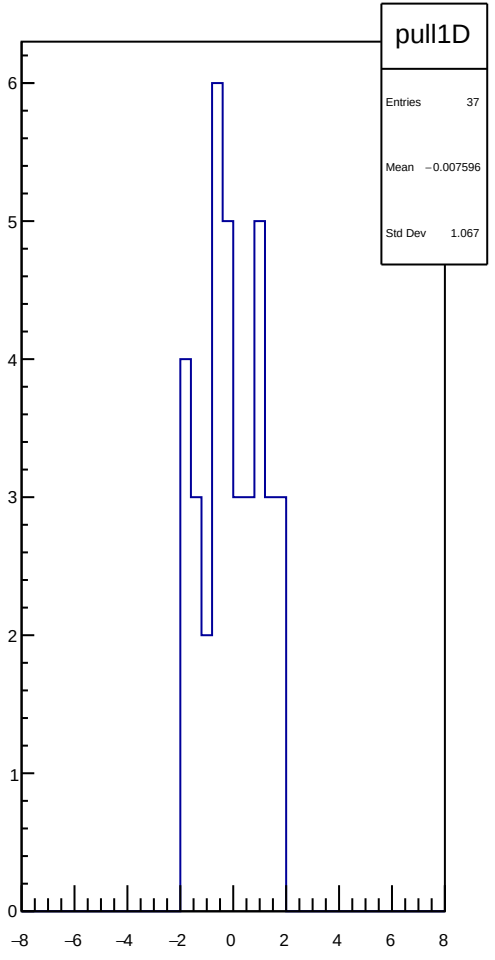

diff_bpm0i02Y_rms vs run
χ² / ndf 1299 / 36
p0 1202 ± 1.387
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

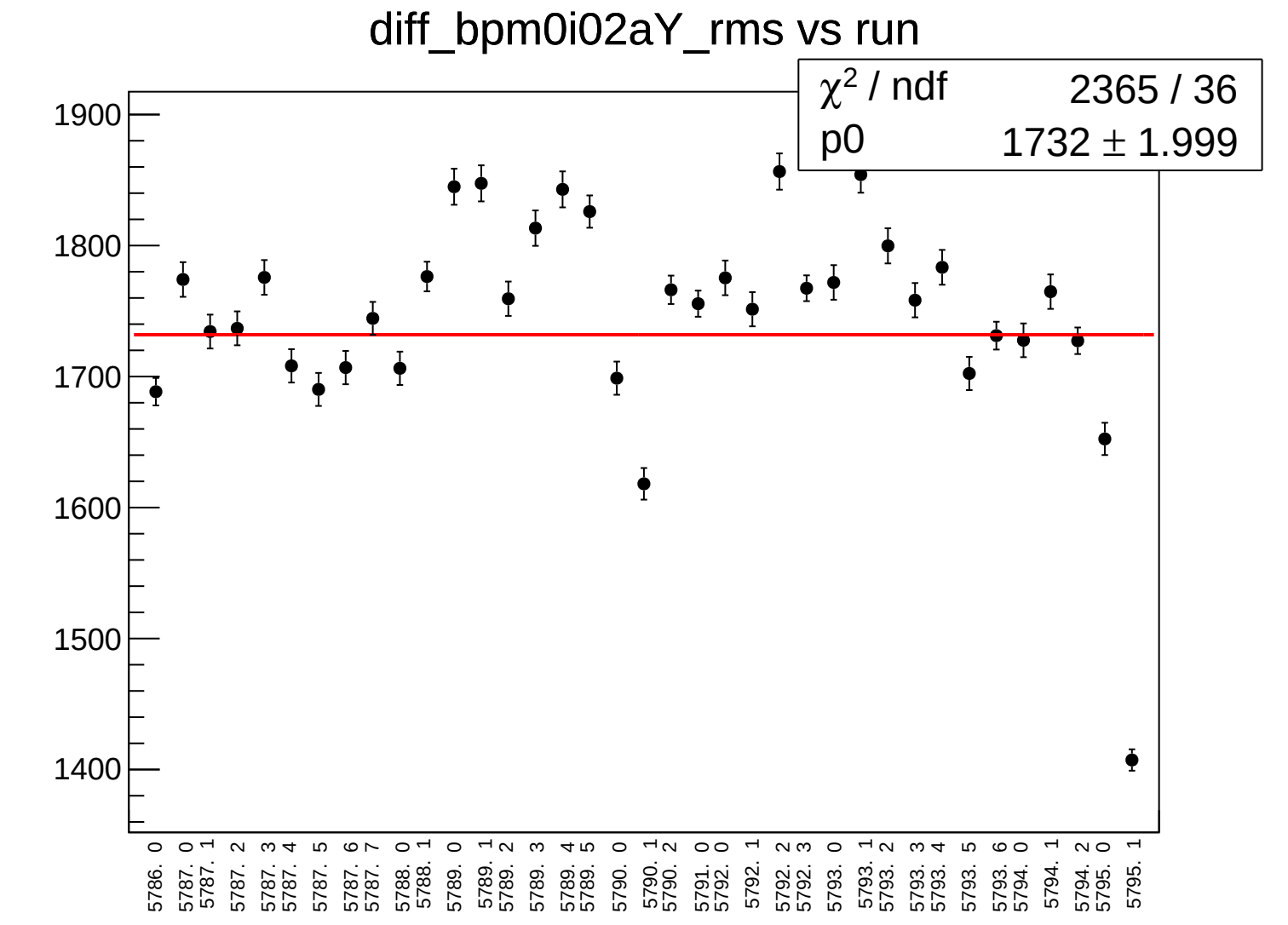

diff_bpm0i02aX_mean vs run
χ² / ndf 28.46 / 36
p0 −89.28 ± 2.42
−60
−80
−100
−120
−140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.5105
Std Dev 41.78
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

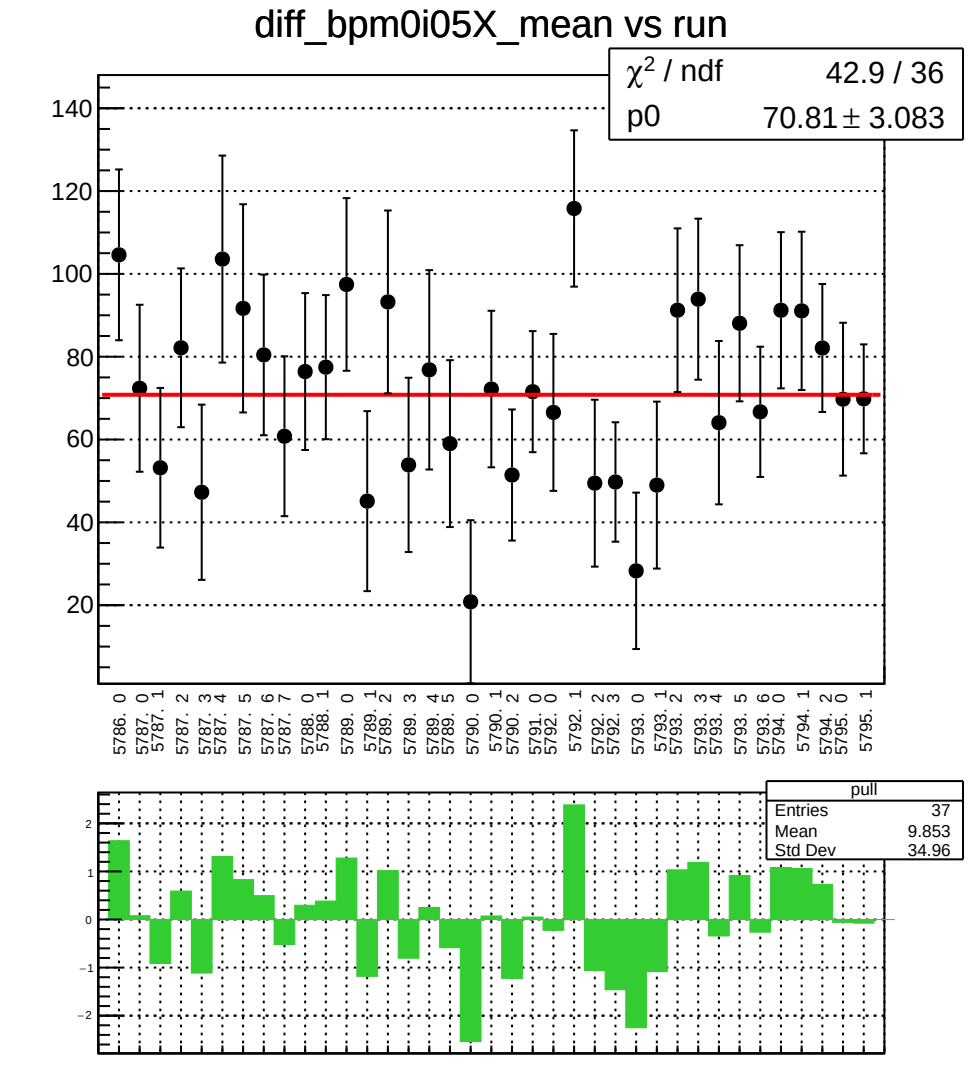

pull1D
Entries 37
Mean −0.01331
Std Dev 0.8769
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

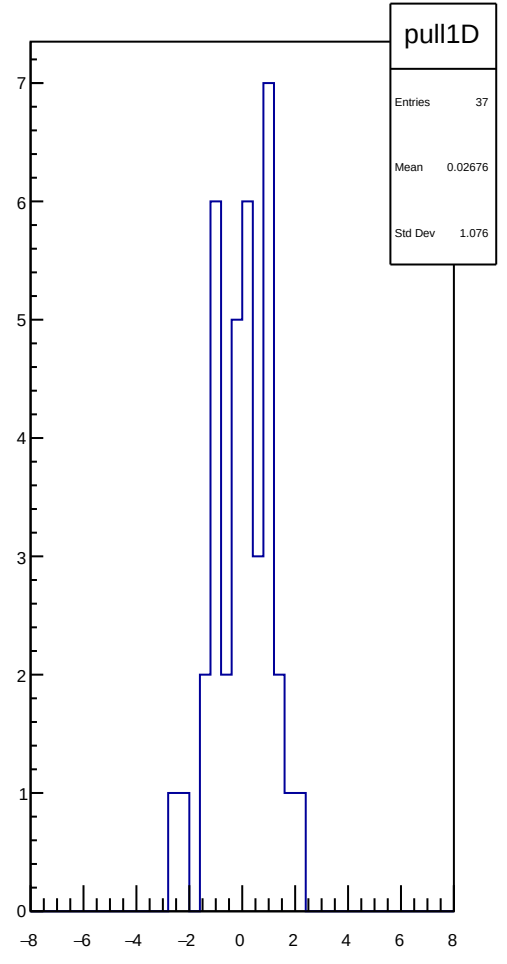

diff_bpm0i02aX_rms vs run
χ² / ndf 330.7 / 36
p0 1485 ± 1.711
1560
1540
1520
1500
1480
1460
1440
1420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

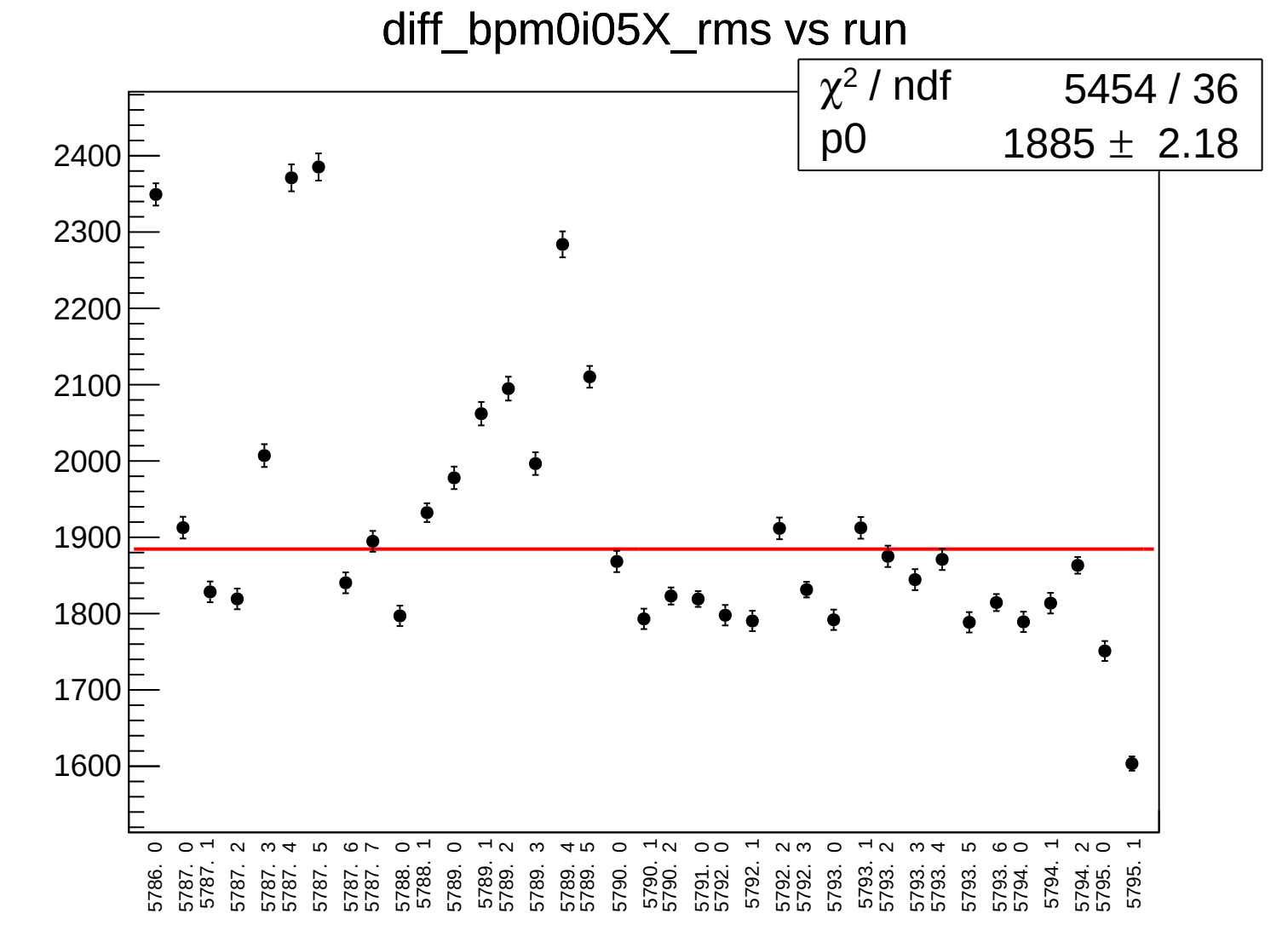

diff_bpm0i02aY_mean vs run
χ² / ndf 42.16 / 36
p0 −1.927 ± 2.827
pull
Entries 37
Mean −344.3
Std Dev 0

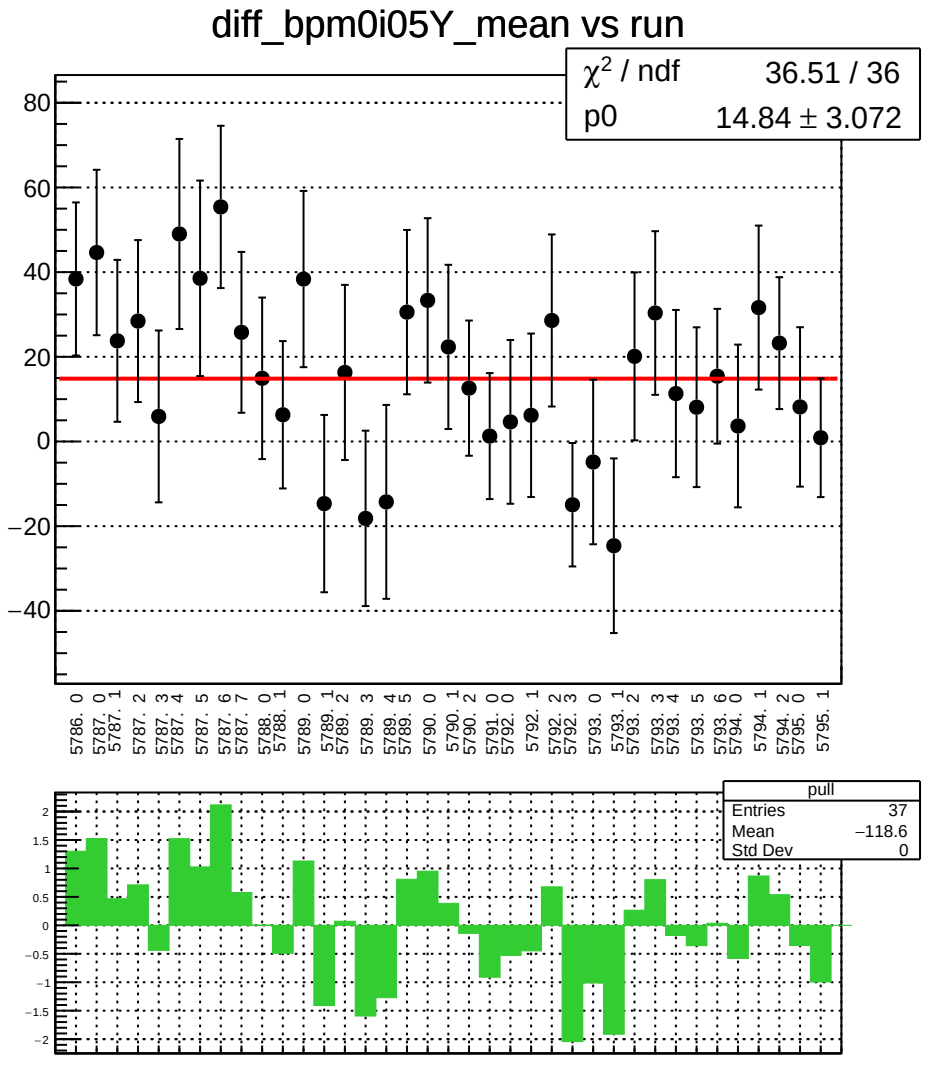

pull1D
Entries 37
Mean −0.007596
Std Dev 1.067

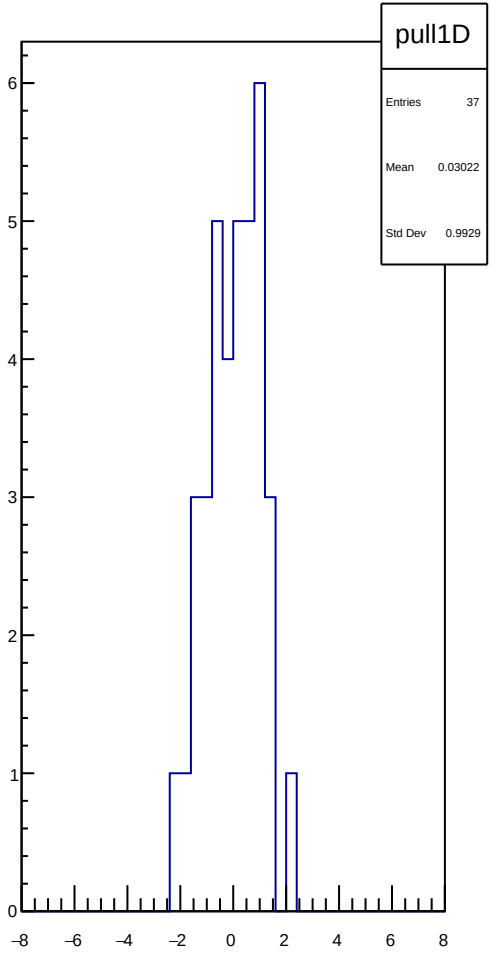

diff_bpm0i02aY_rms vs run
χ² / ndf 2365 / 36
p0 1732 ± 1.999
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

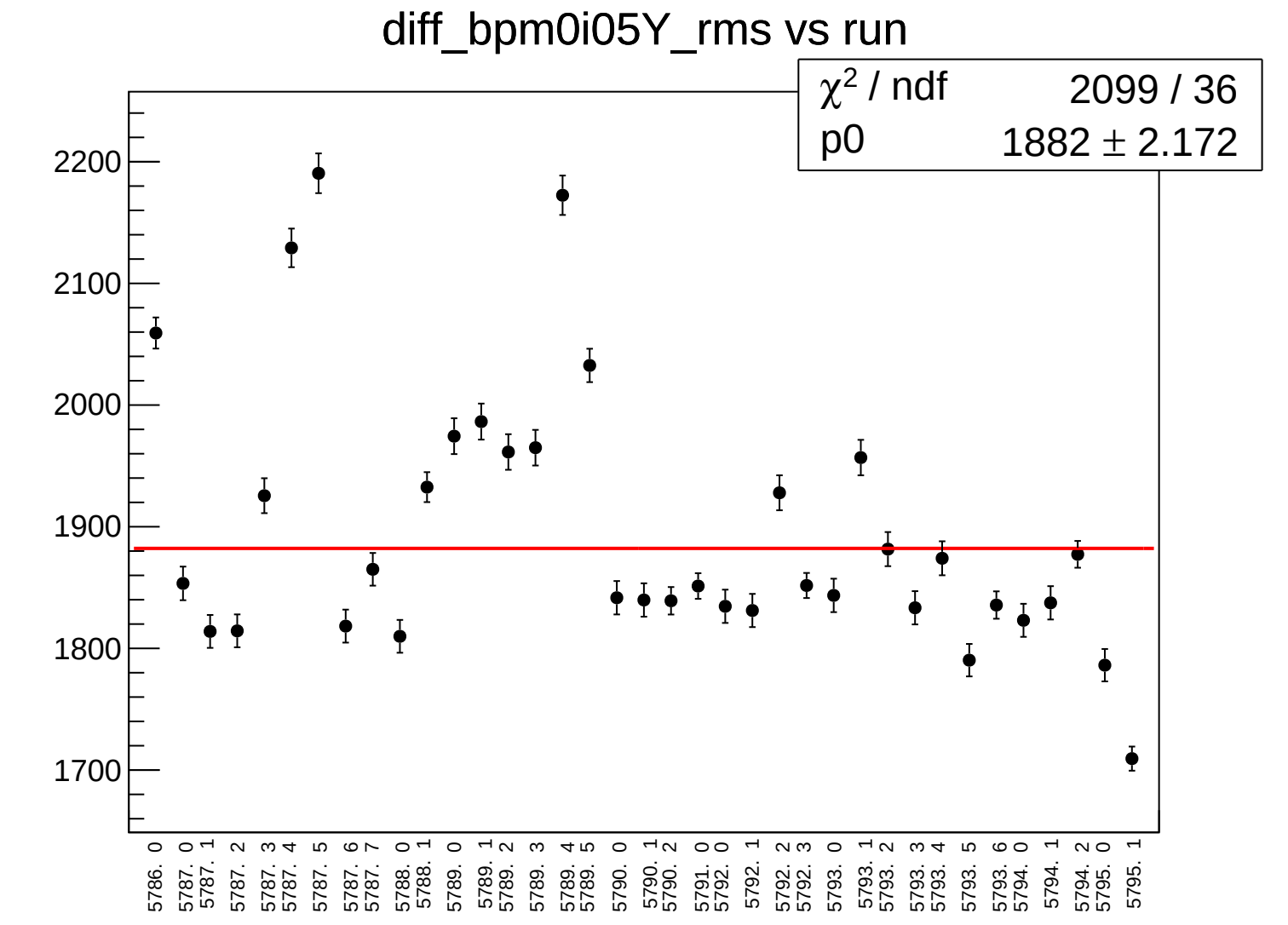

diff_bpm0i05X_mean vs run
χ² / ndf 42.9 / 36
p0 70.81 ± 3.083
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 9.853
Std Dev 34.96
2
1
0
−1
−2

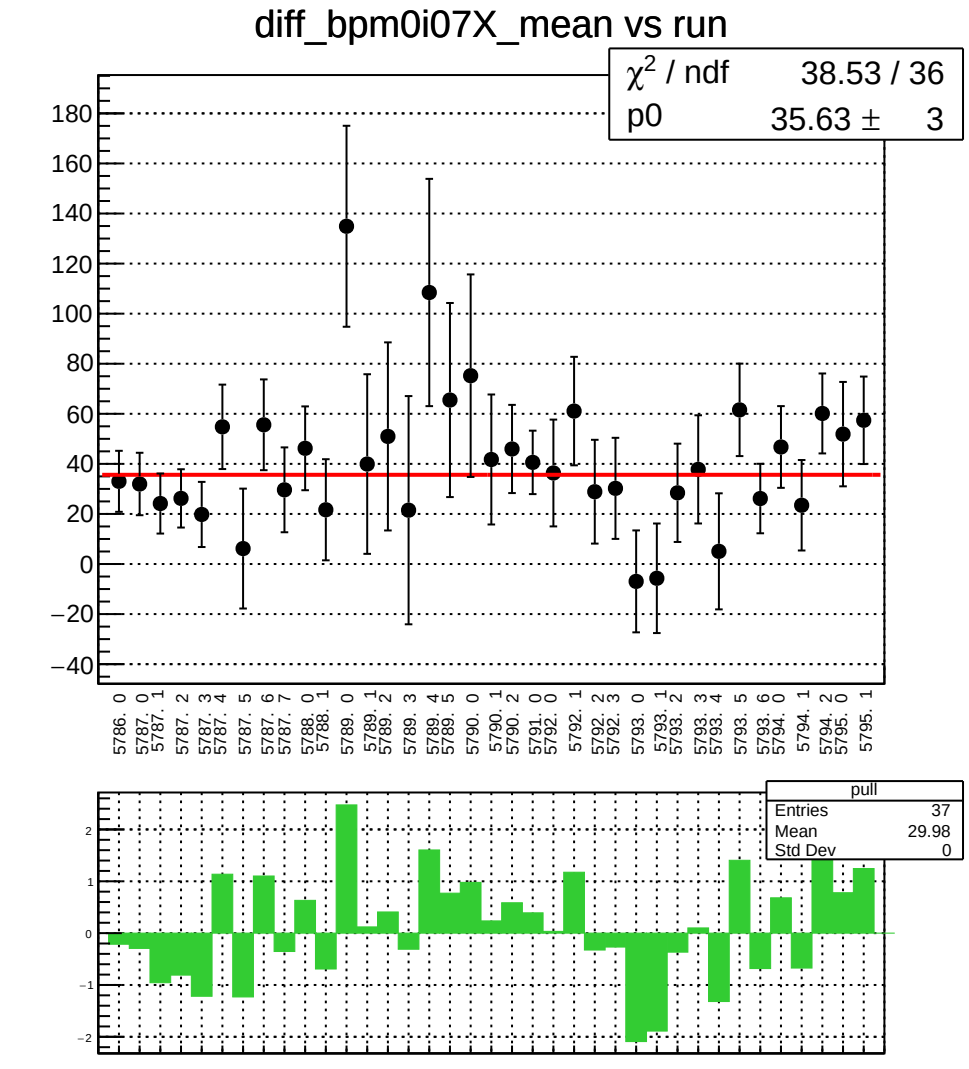

pull1D
Entries 37
Mean 0.02676
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

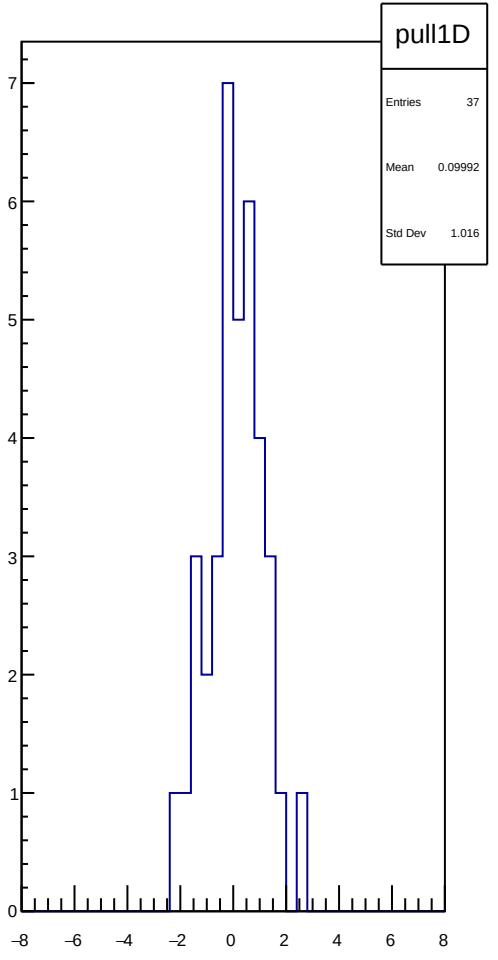

diff_bpm0i05X_rms vs run
χ² / ndf 5454 / 36
p0 1885 ± 2.18
2400
2300
2200
2100
2000
1900
1800
1700
1600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

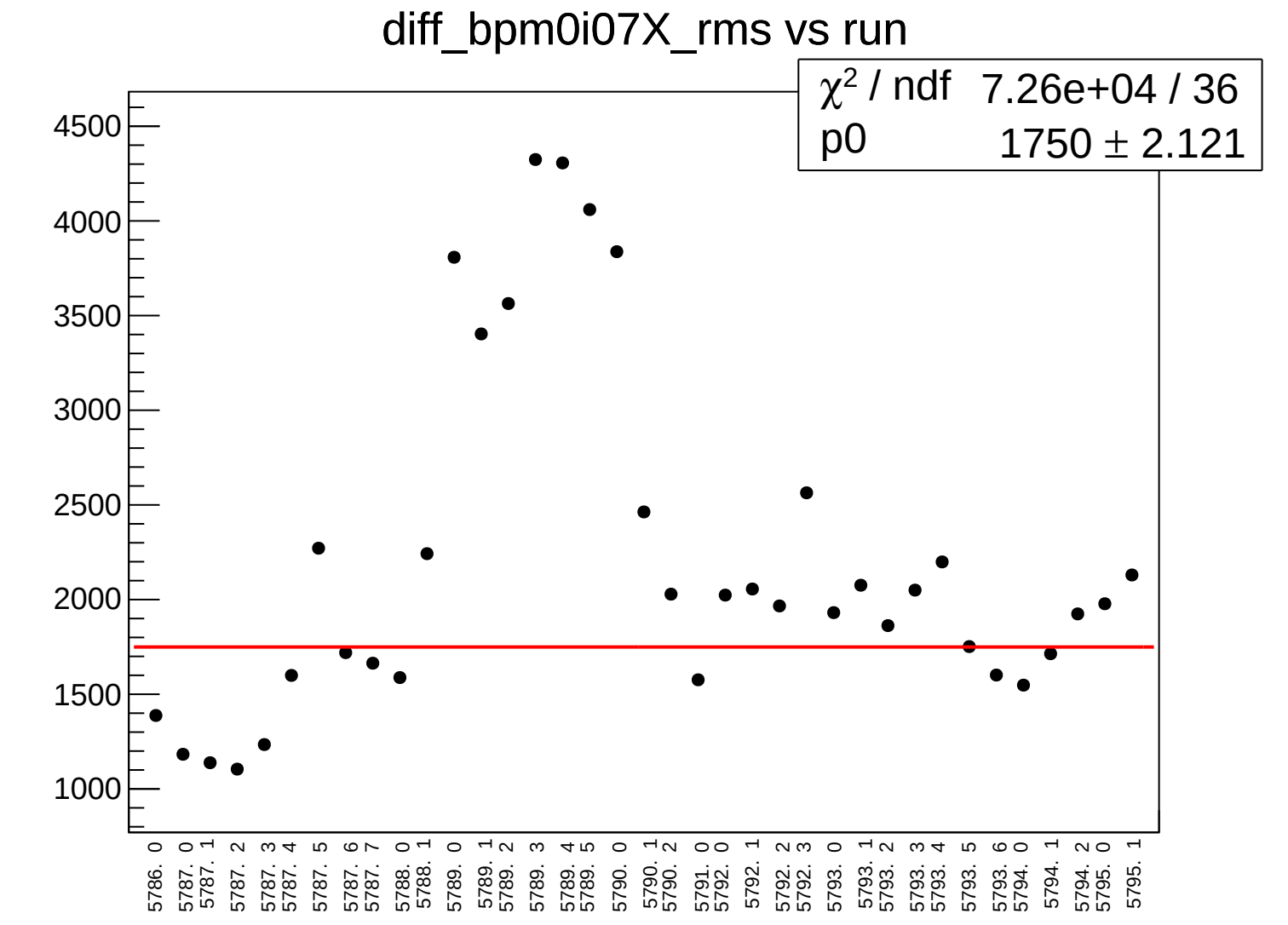

diff_bpm0i05Y_mean vs run
χ² / ndf 36.51 / 36
p0 14.84 ± 3.072
pull
Entries 37
Mean −118.6
Std Dev 0

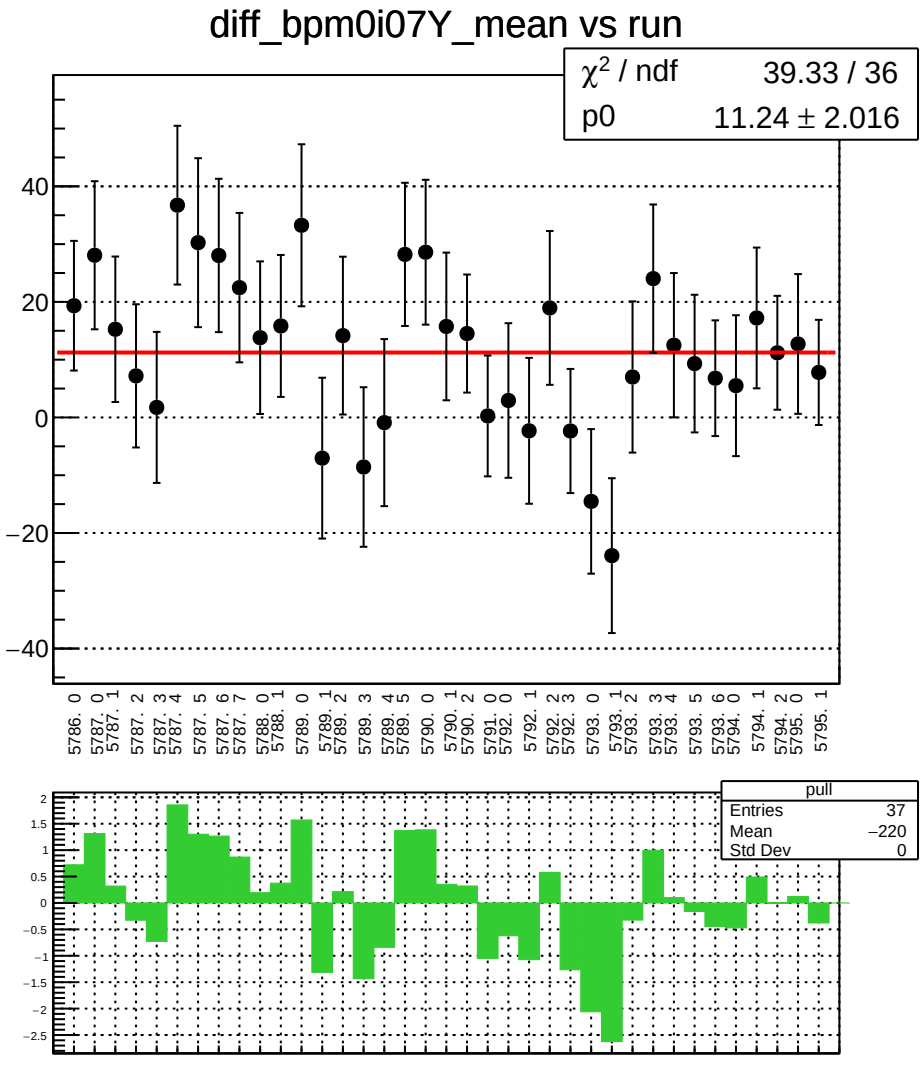

pull1D
Entries 37
Mean 0.03022
Std Dev 0.9929

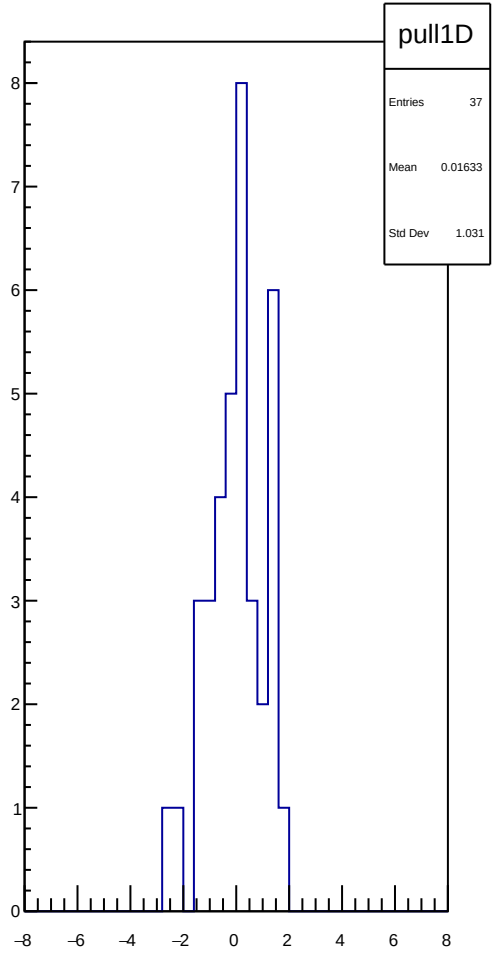

diff_bpm0i05Y_rms vs run
χ² / ndf 2099 / 36
p0 1882 ± 2.172
2200
2100
2000
1900
1800
1700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

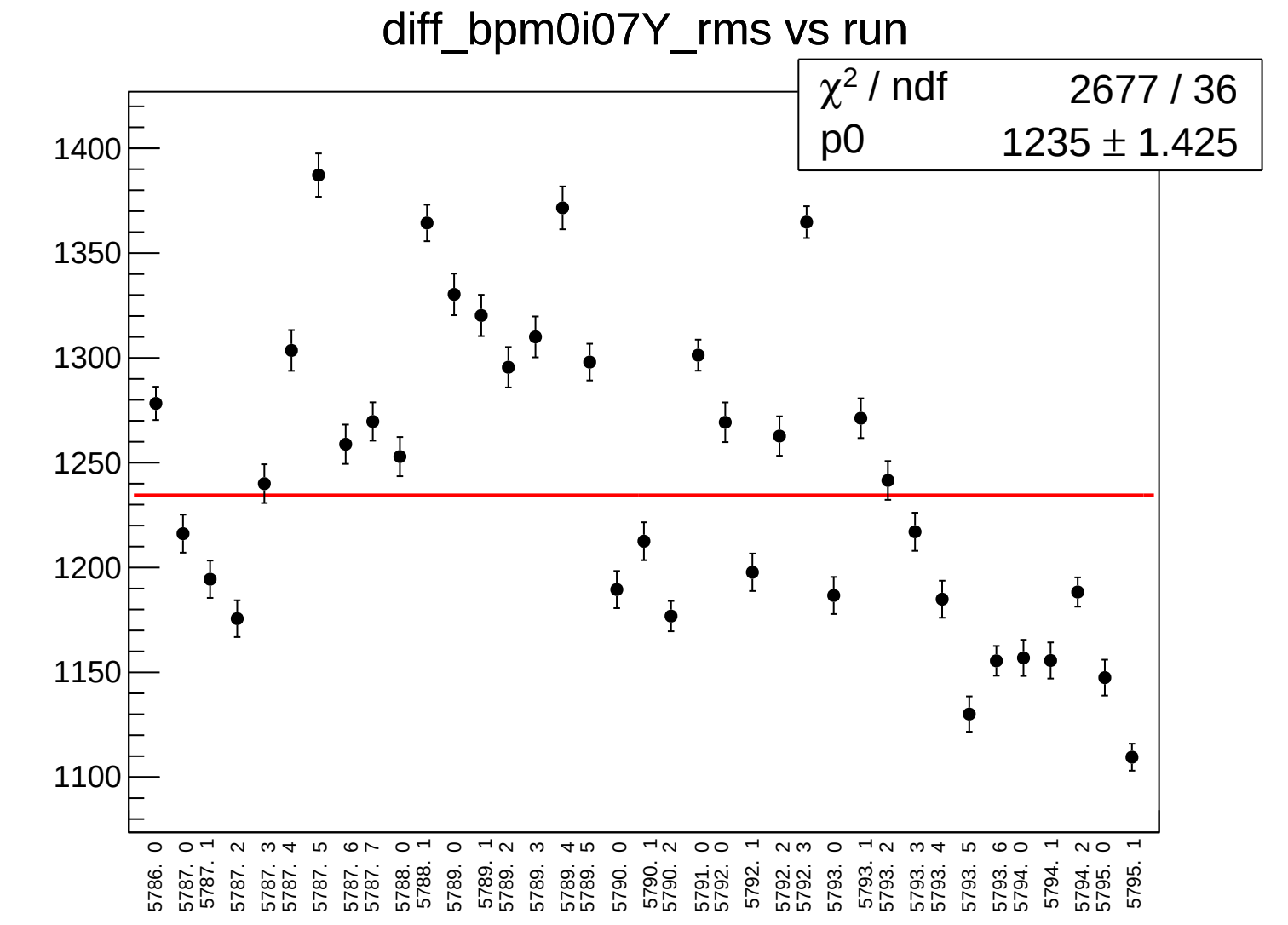

diff_bpm0i07X_mean vs run
χ² / ndf 38.53 / 36
p0 35.63 ± 3
pull
Entries 37
Mean 29.98
Std Dev 0

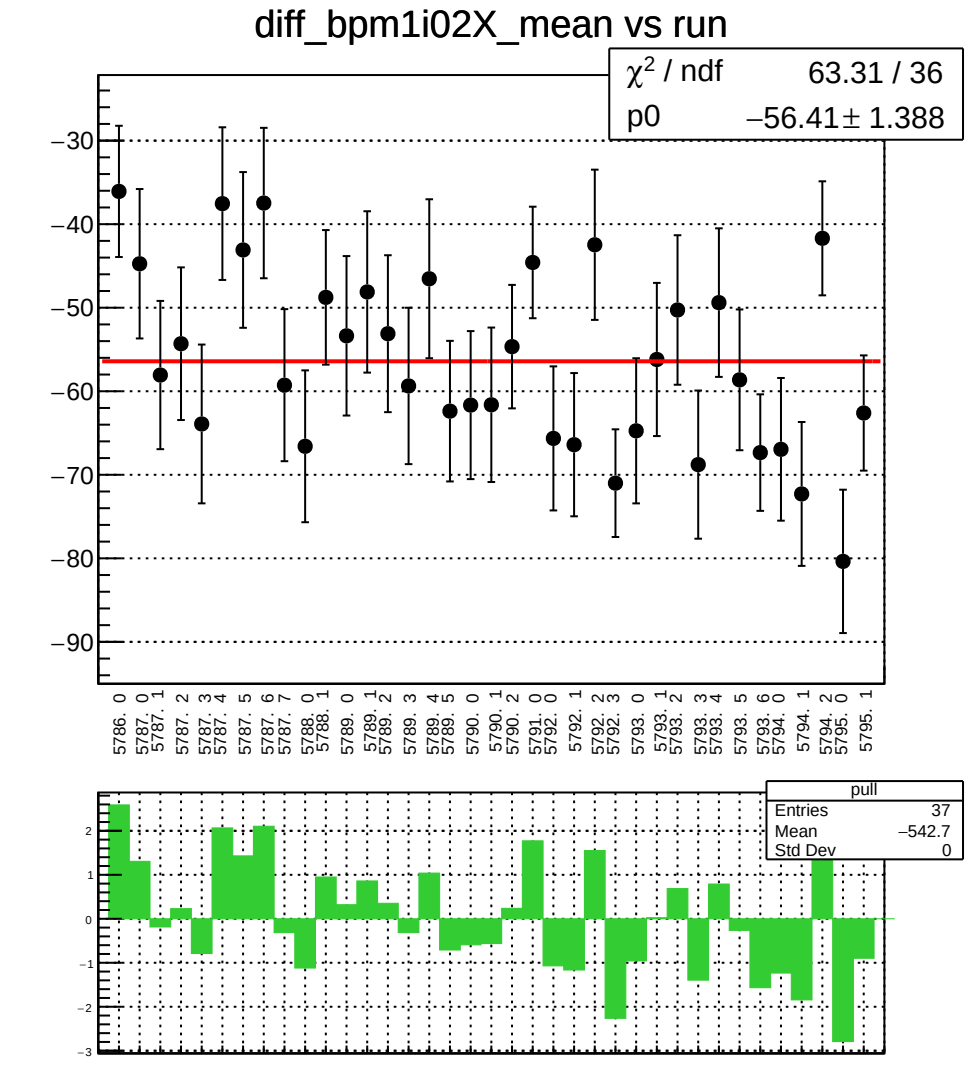

pull1D
Entries 37
Mean 0.09992
Std Dev 1.016

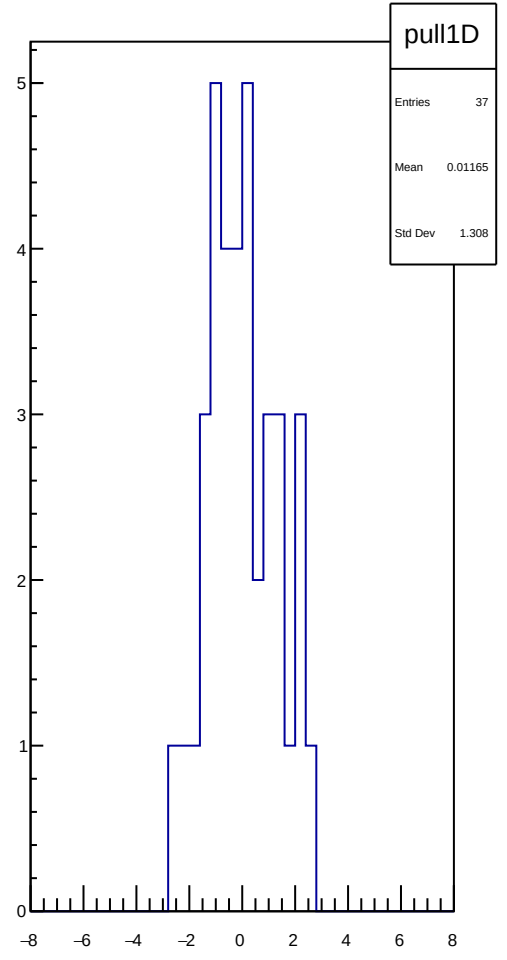

diff_bpm0i07X_rms vs run
χ² / ndf 7.26e+04 / 36
p0 1750 ± 2.121
4500
4000
3500
3000
2500
2000
1500
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

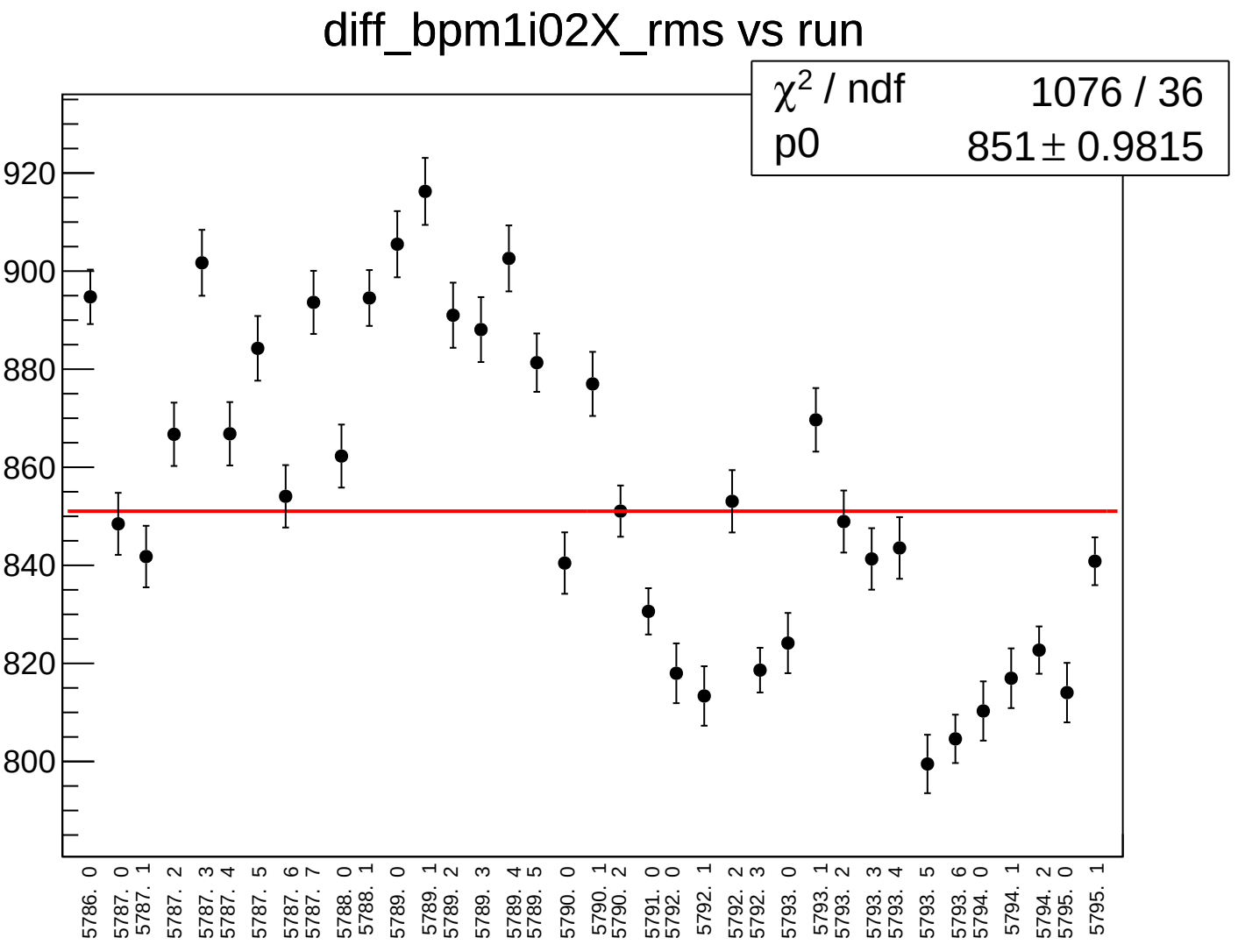

diff_bpm0i07Y_mean vs run
χ² / ndf 39.33 / 36
p0 11.24 ± 2.016
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −220
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

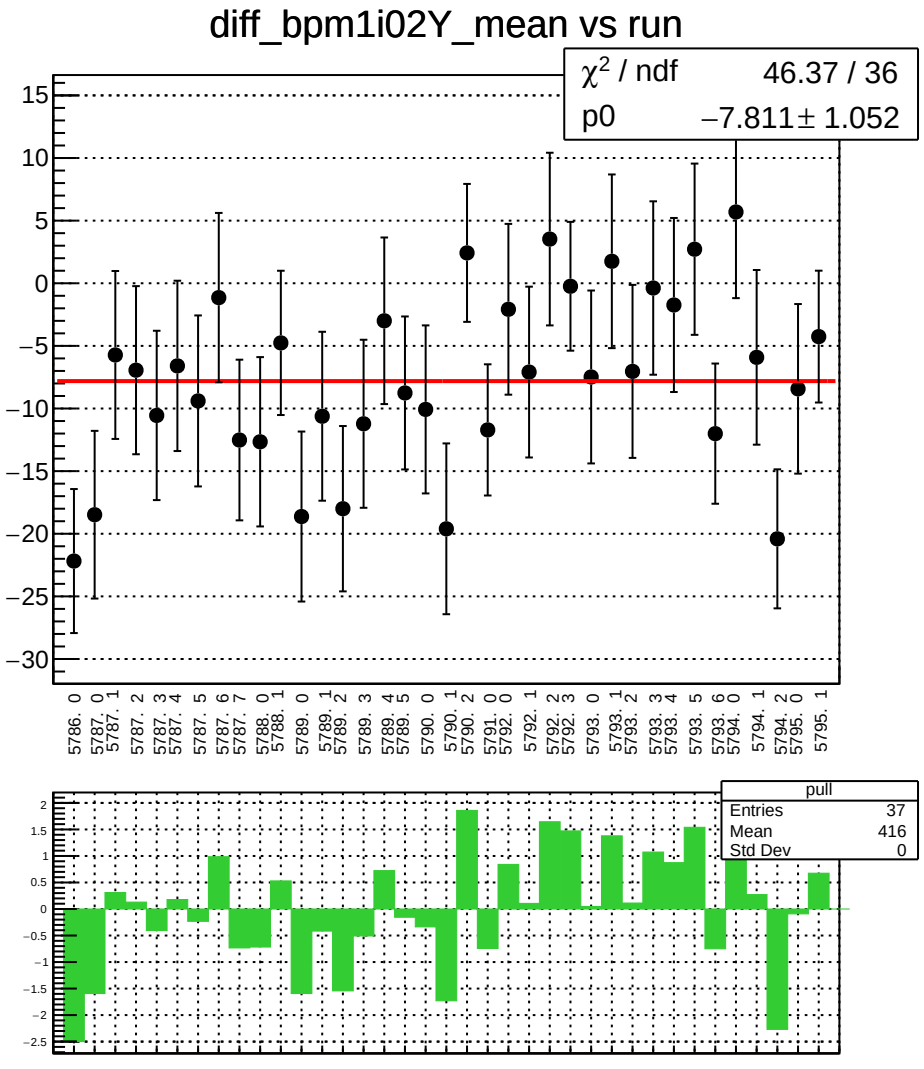

pull1D
Entries 37
Mean 0.01633
Std Dev 1.031
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

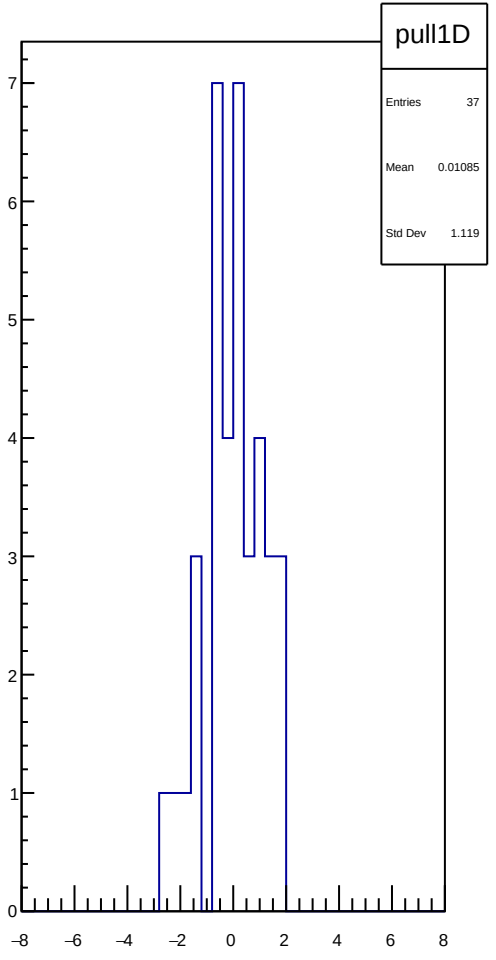

diff_bpm0i07Y_rms vs run
χ² / ndf 2677 / 36
p0 1235 ± 1.425
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

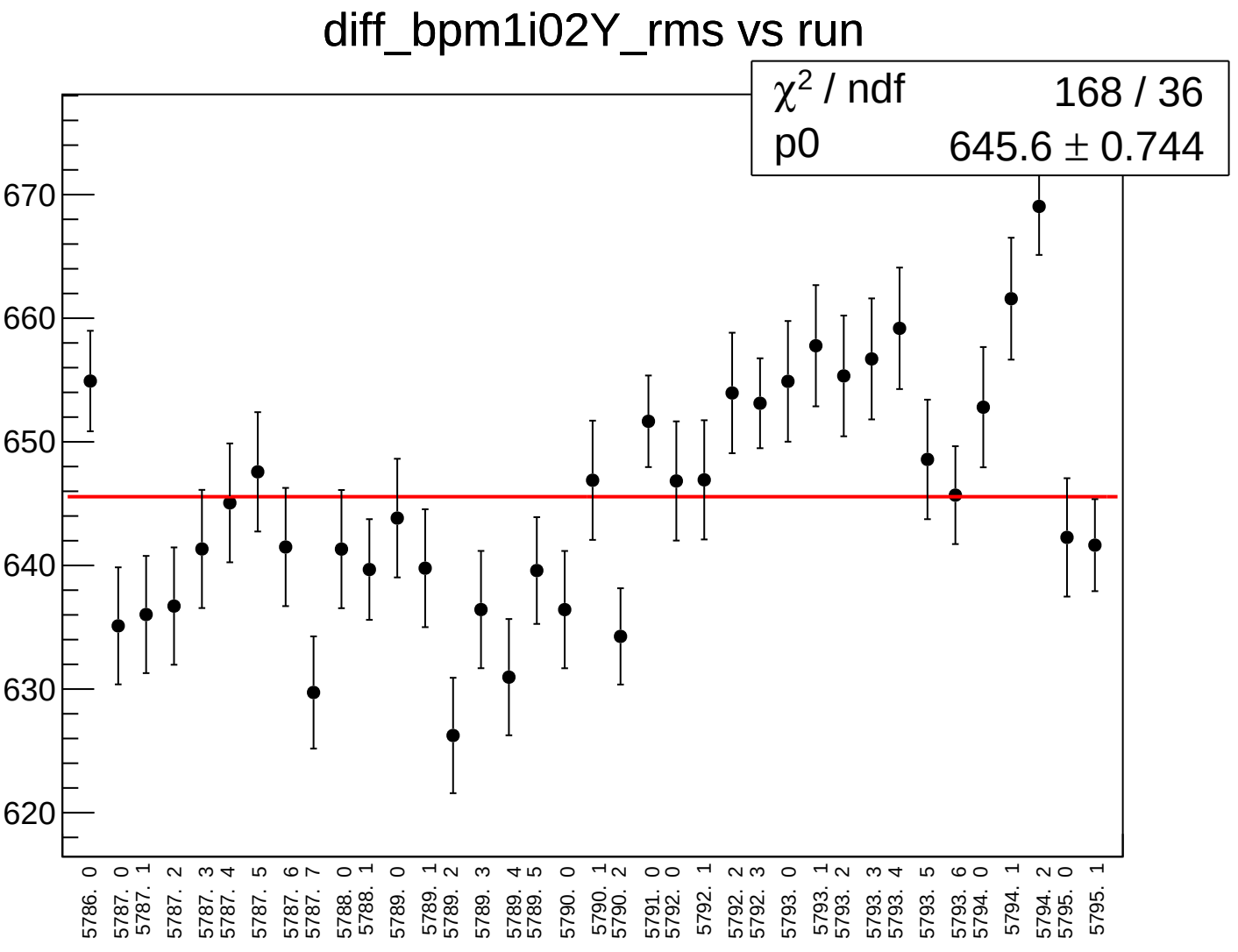

diff_bpm1i02X_mean vs run
χ² / ndf 63.31 / 36
p0 −56.41± 1.388
−30
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −542.7
Std Dev 0
2
1
0
−1
−2
−3

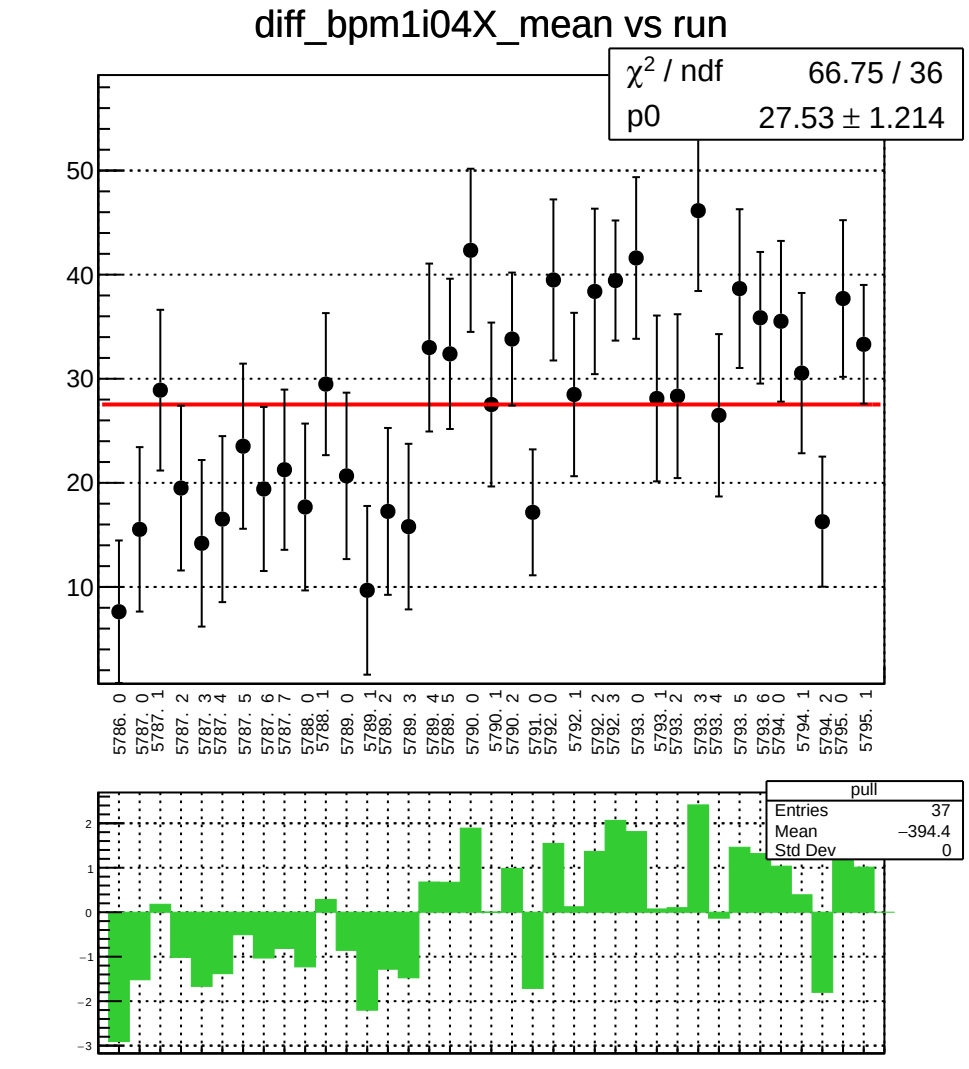

pull1D
Entries 37
Mean 0.01165
Std Dev 1.308
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

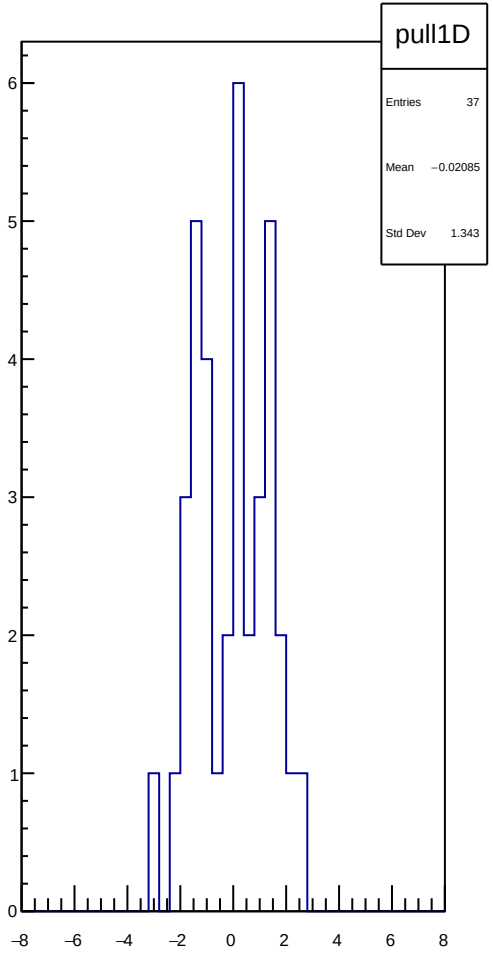

diff_bpm1i02X_rms vs run
χ^2 / ndf 1076 / 36
p0 851 ± 0.9815
920
900
880
860
840
820
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

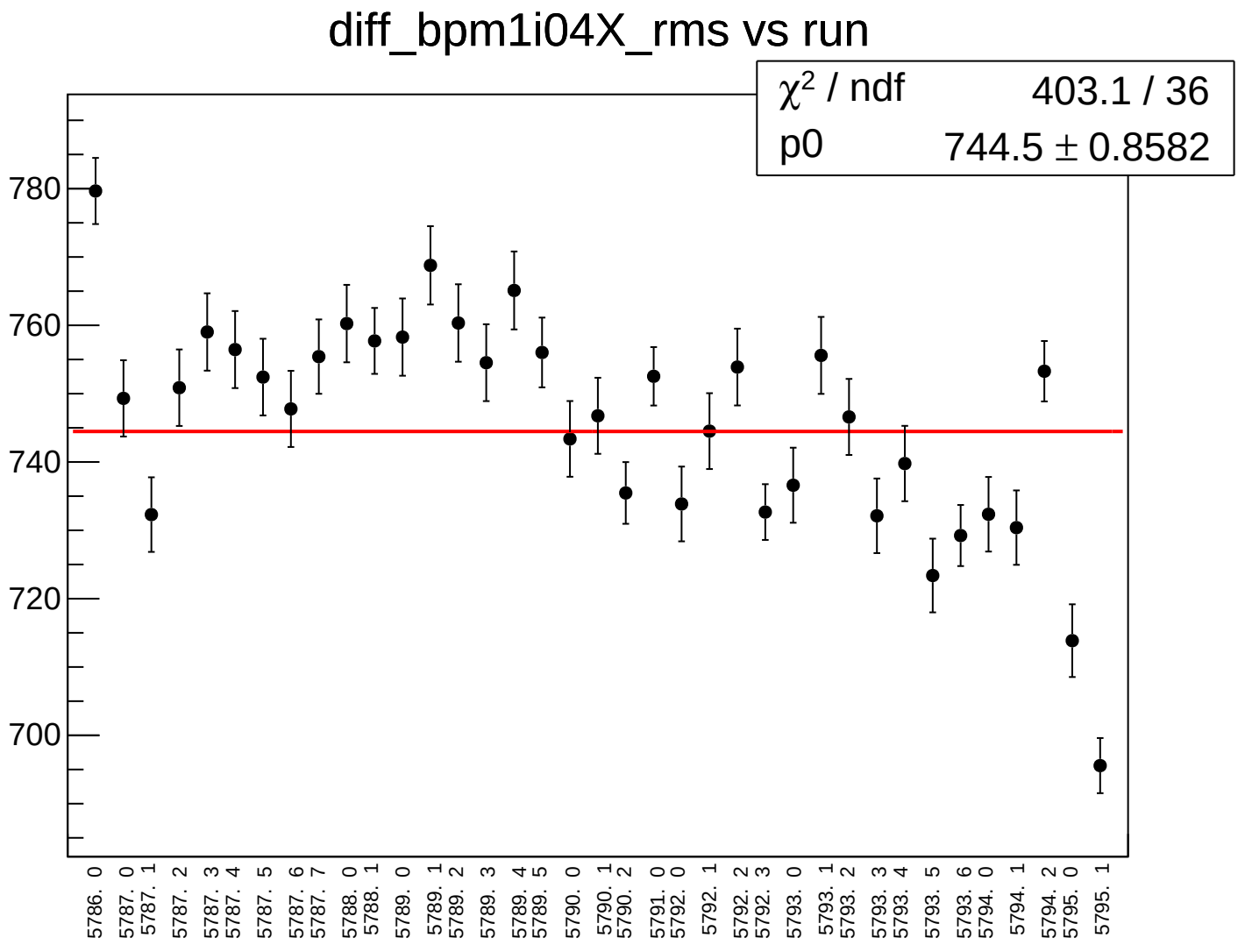

diff_bpm1i02Y_mean vs run
χ² / ndf 46.37 / 36
p0 −7.811± 1.052
pull
Entries 37
Mean 416
Std Dev 0

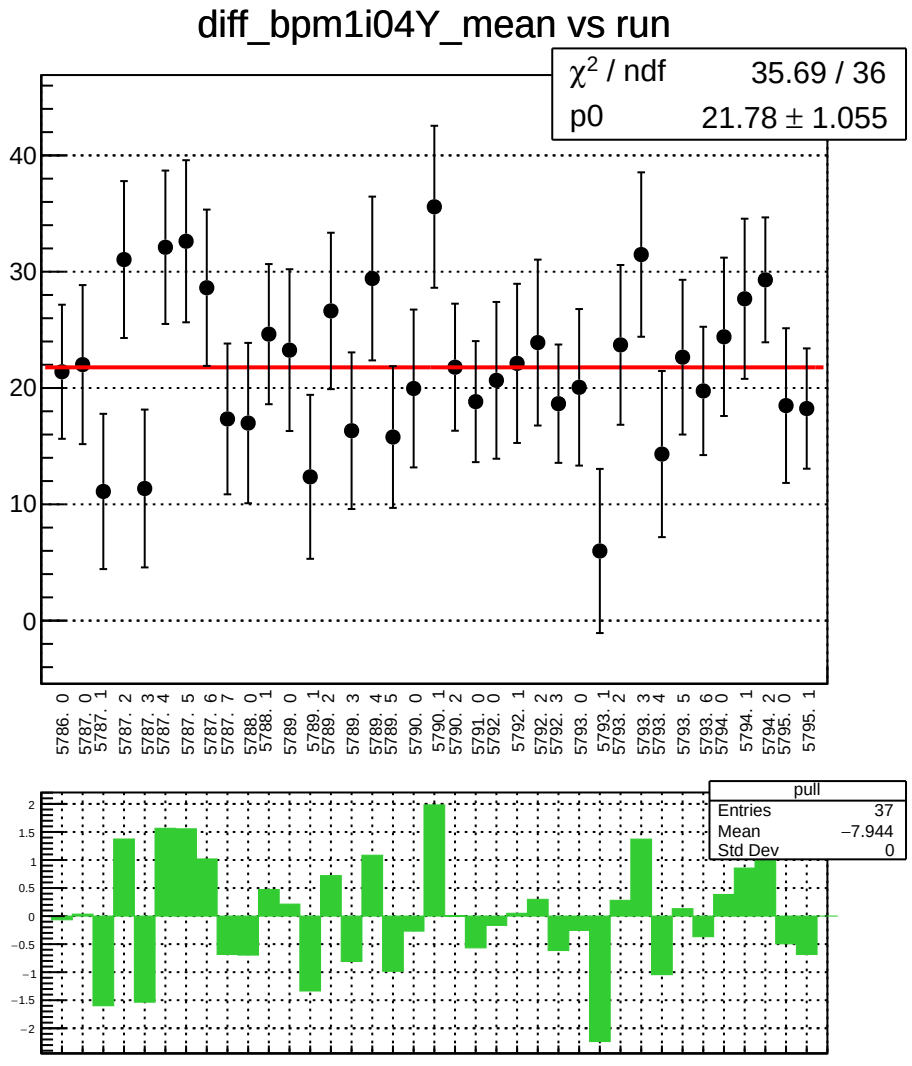

pull1D
Entries 37
Mean 0.01085
Std Dev 1.119

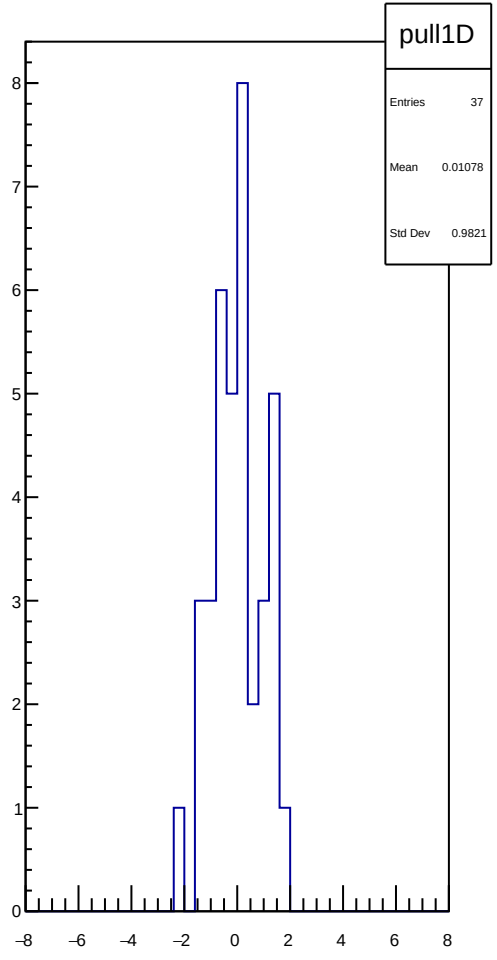

diff_bpm1i02Y_rms vs run
χ² / ndf 168 / 36
p0 645.6 ± 0.744
670
660
650
640
630
620
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

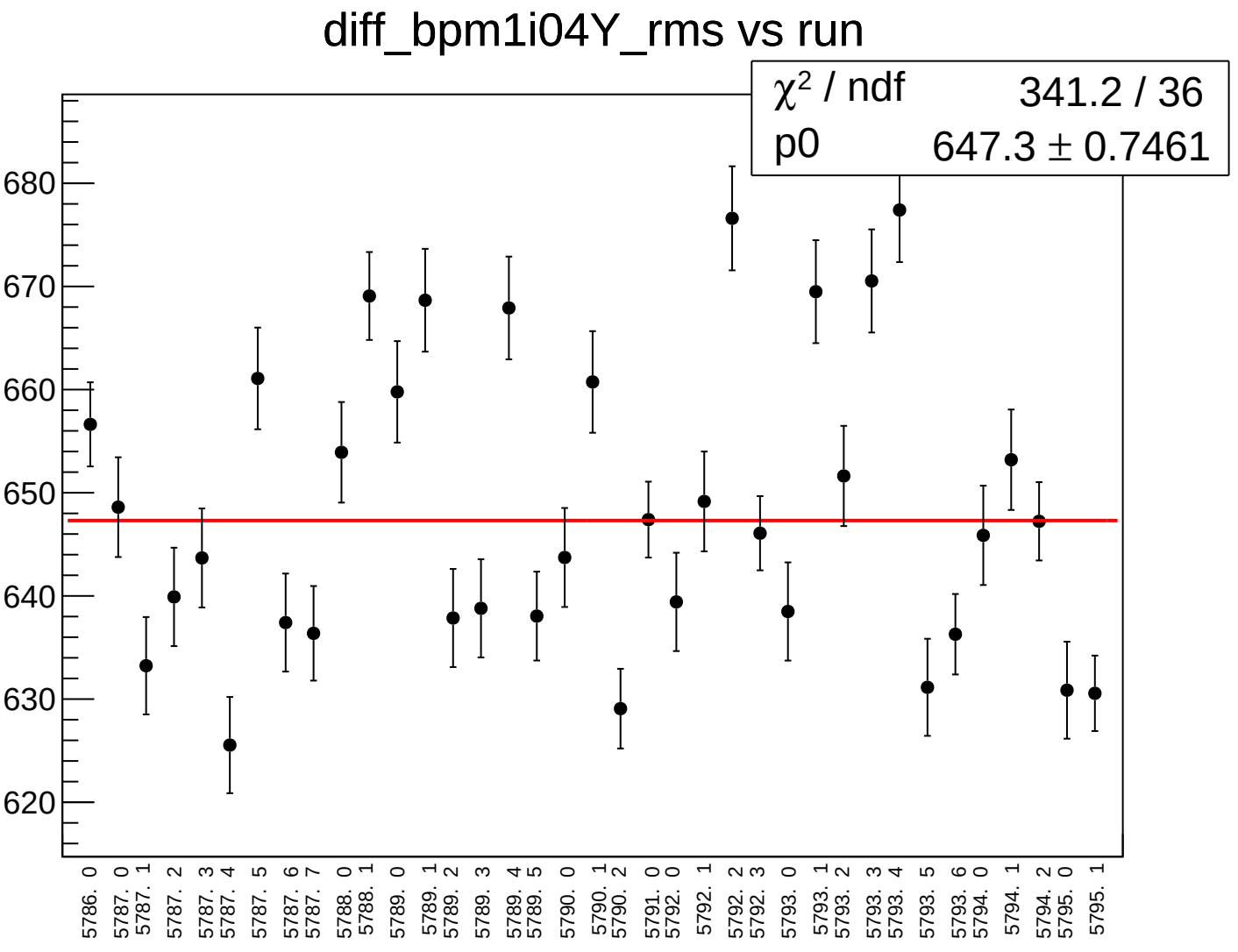

diff_bpm1i04X_mean vs run
χ^2 / ndf 66.75 / 36
p0 27.53 ± 1.214
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −394.4
Std Dev 0
2
1
0
−1
−2
−3

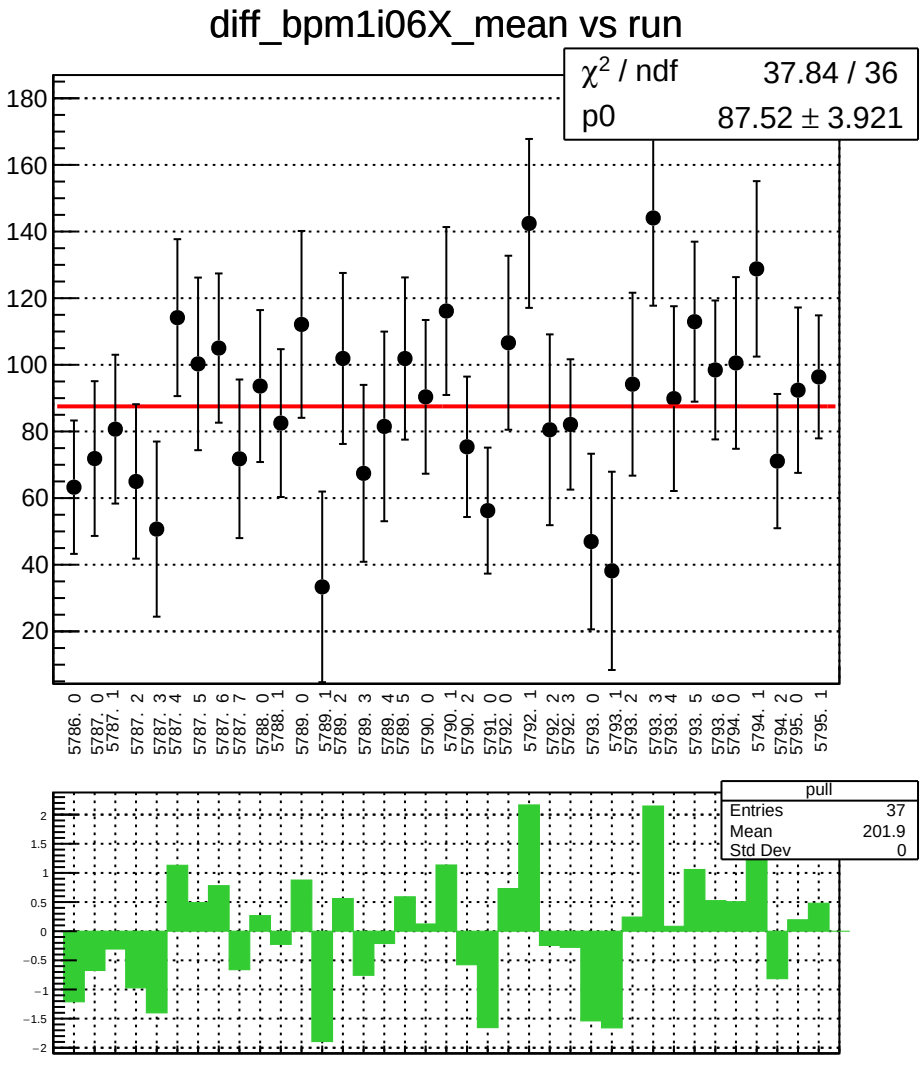

pull1D
Entries 37
Mean −0.02085
Std Dev 1.343
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

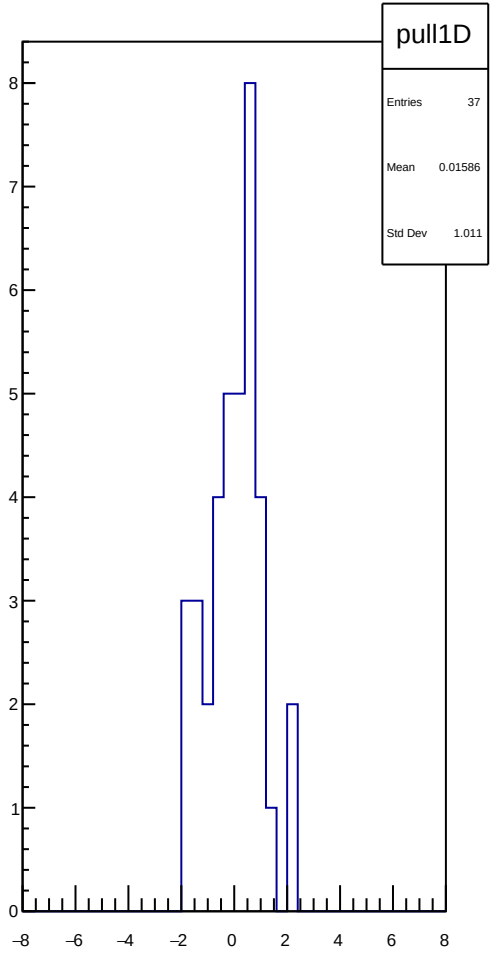

diff_bpm1i04X_rms vs run
χ² / ndf 403.1 / 36
p0 744.5 ± 0.8582
780
760
740
720
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

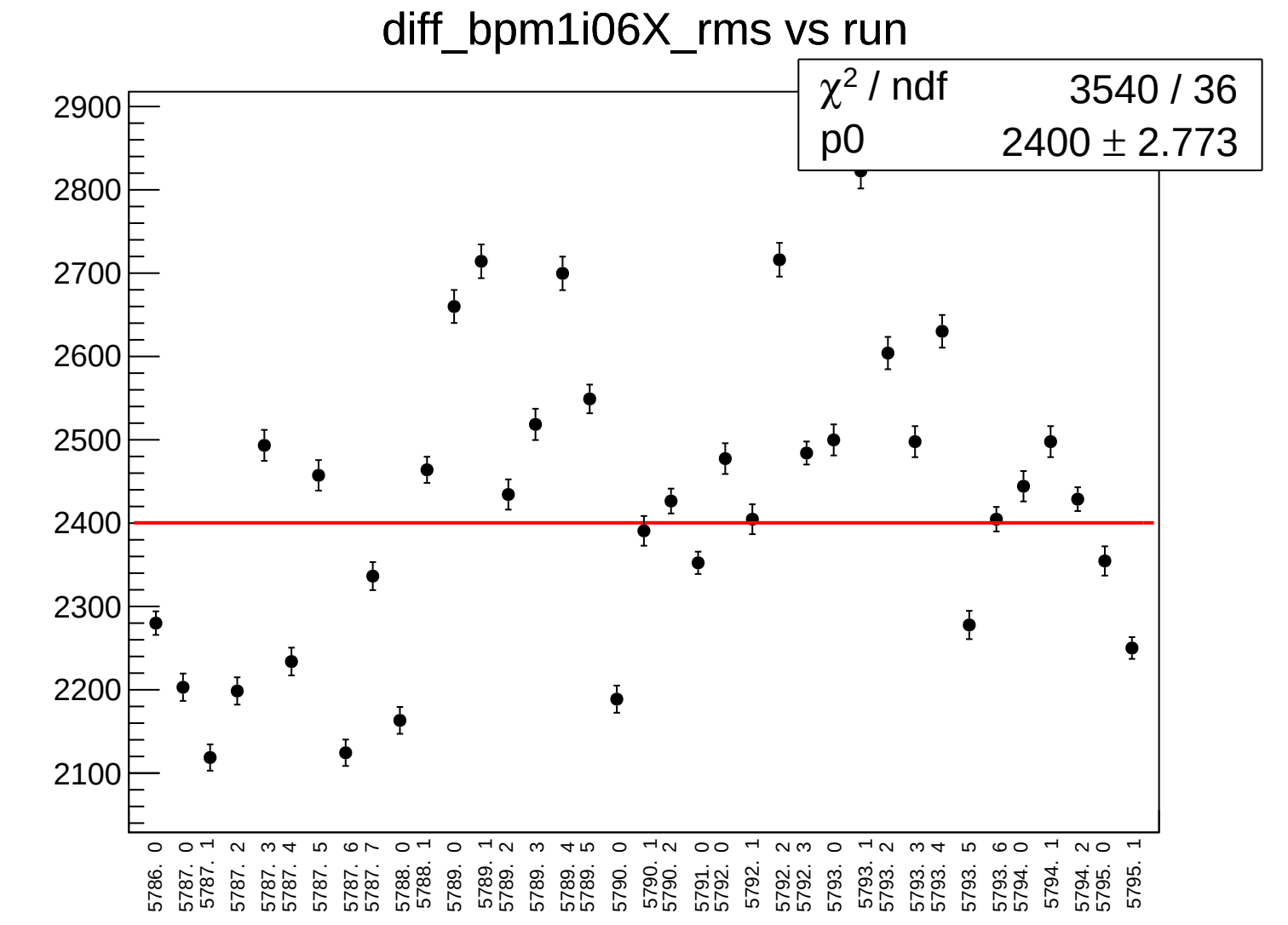

diff_bpm1i04Y_mean vs run
χ² / ndf 35.69 / 36
p0 21.78 ± 1.055
40
30
20
10
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.944
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

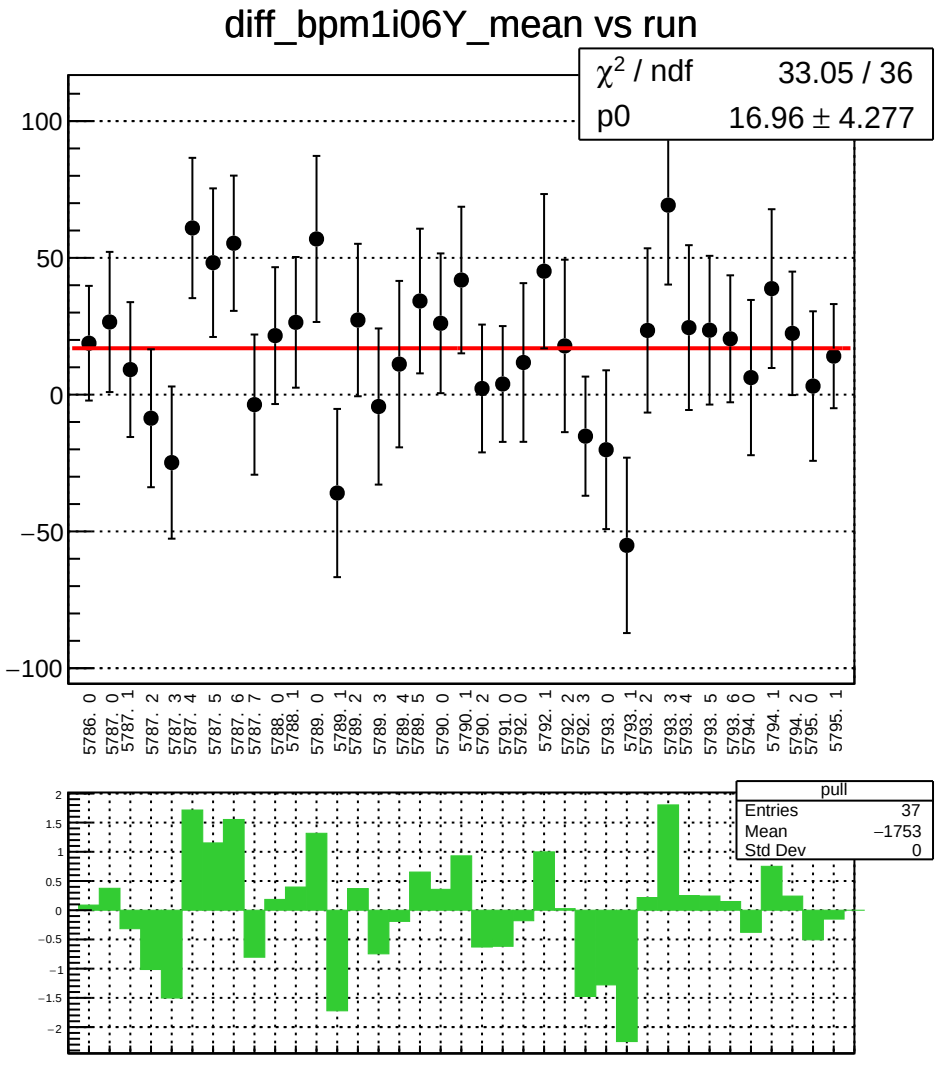

pull1D
Entries 37
Mean 0.01078
Std Dev 0.9821
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

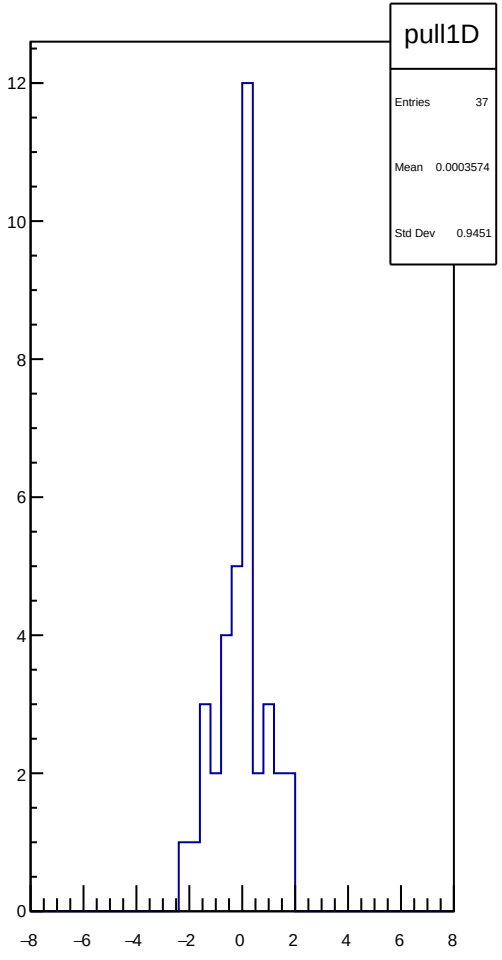

diff_bpm1i04Y_rms vs run
χ² / ndf 341.2 / 36
p0 647.3 ± 0.7461
680
670
660
650
640
630
620
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

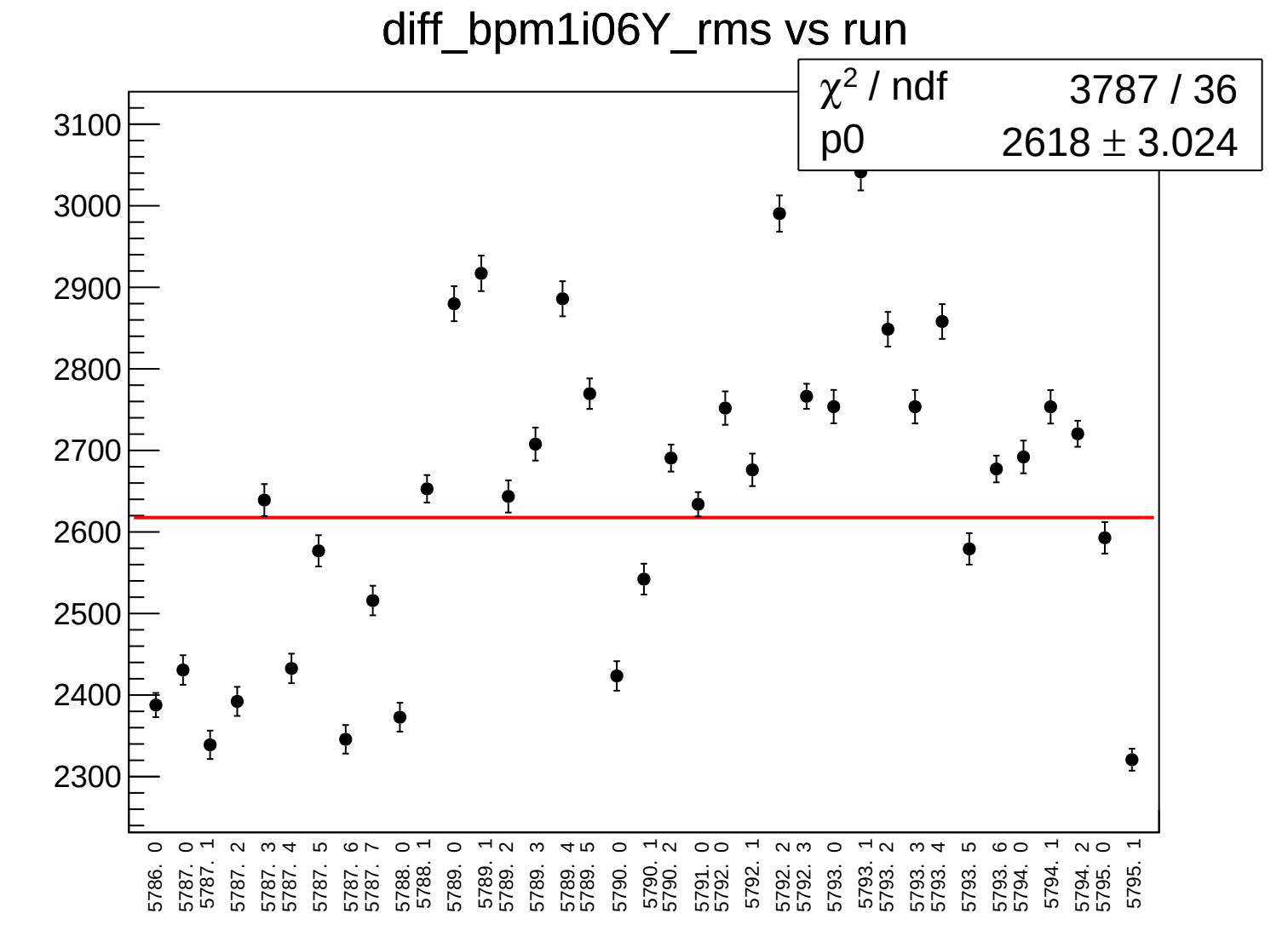

diff_bpm1i06X_mean vs run
χ^2 / ndf 37.84 / 36
p0 87.52 ± 3.921
pull
Entries 37
Mean 201.9
Std Dev 0

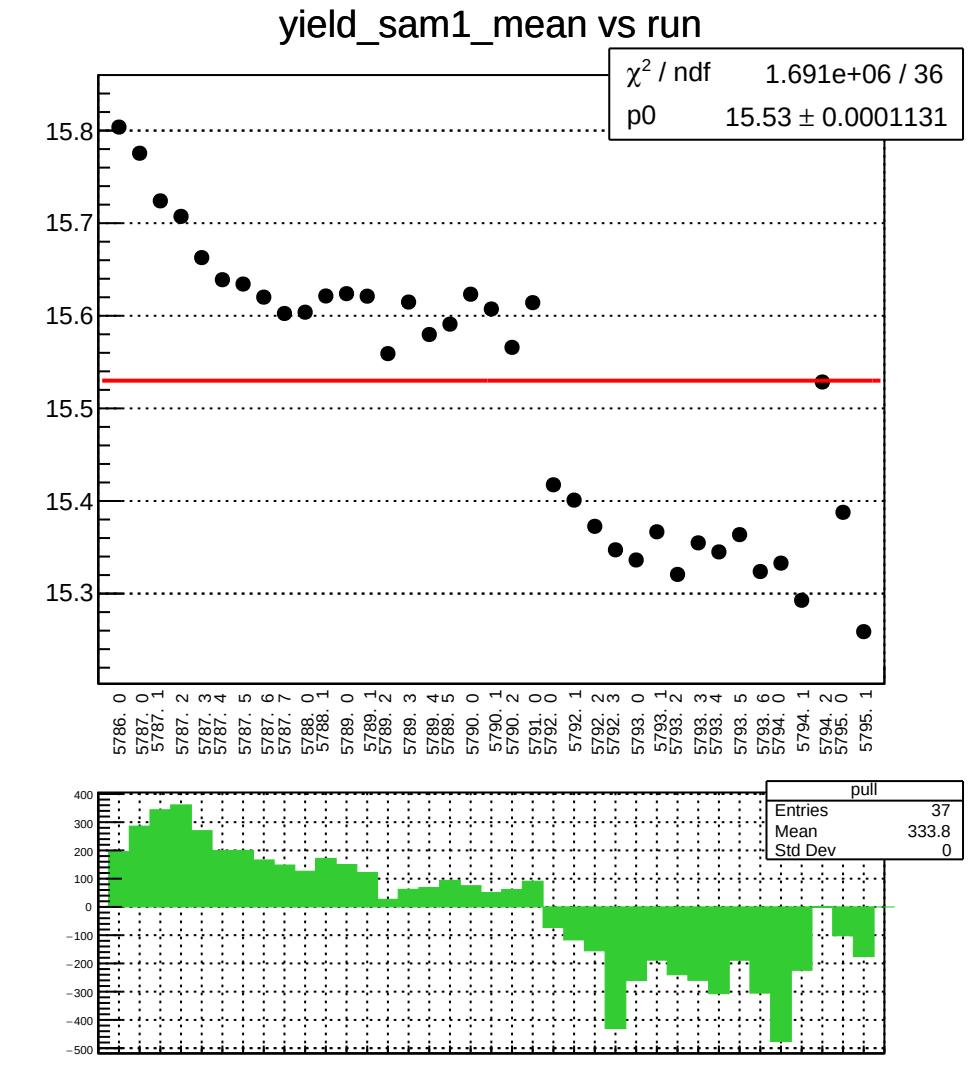

pull1D
Entries 37
Mean 0.01586
Std Dev 1.011

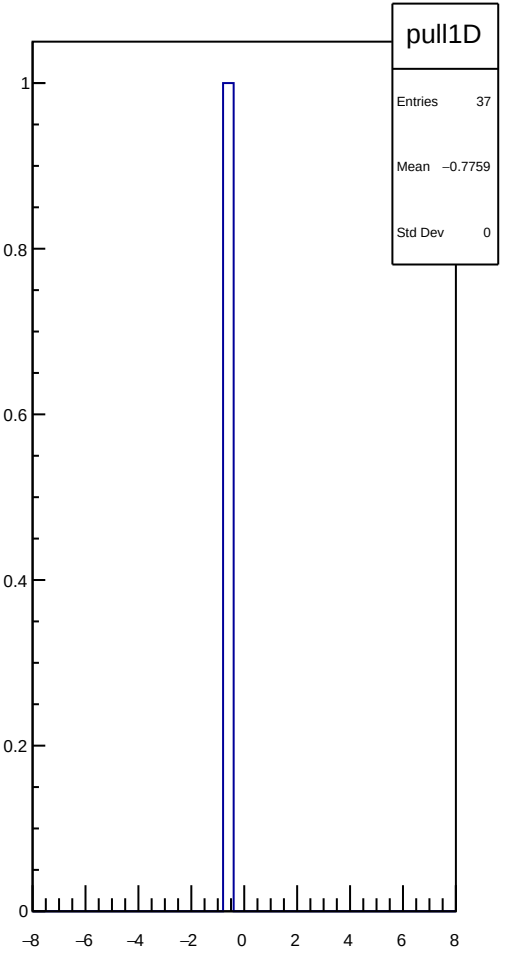

diff_bpm1i06X_rms vs run
χ² / ndf 3540 / 36
p0 2400 ± 2.773
2900
2800
2700
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

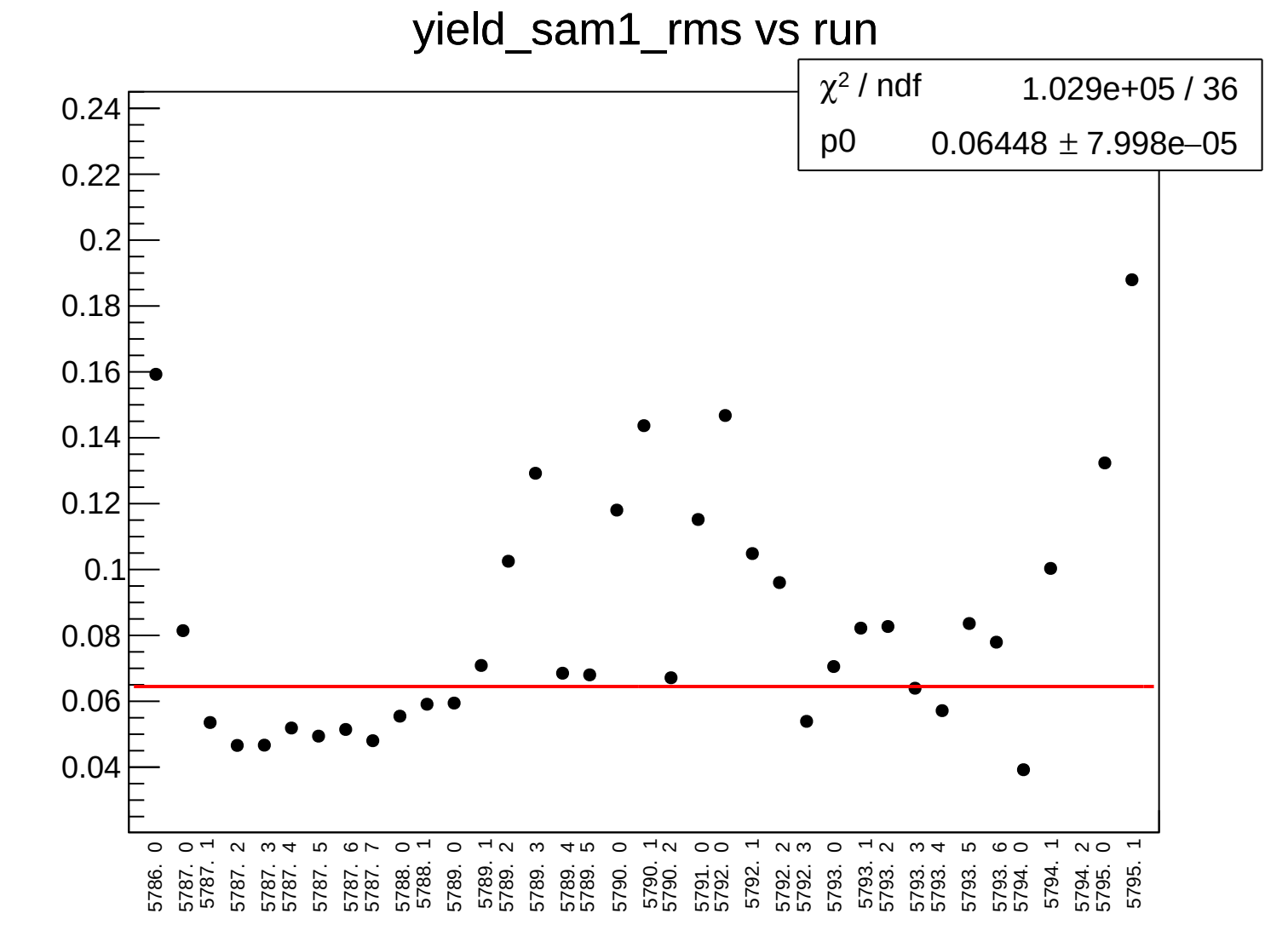

diff_bpm1i06Y_mean vs run
χ² / ndf 33.05 / 36
p0 16.96 ± 4.277
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1753
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

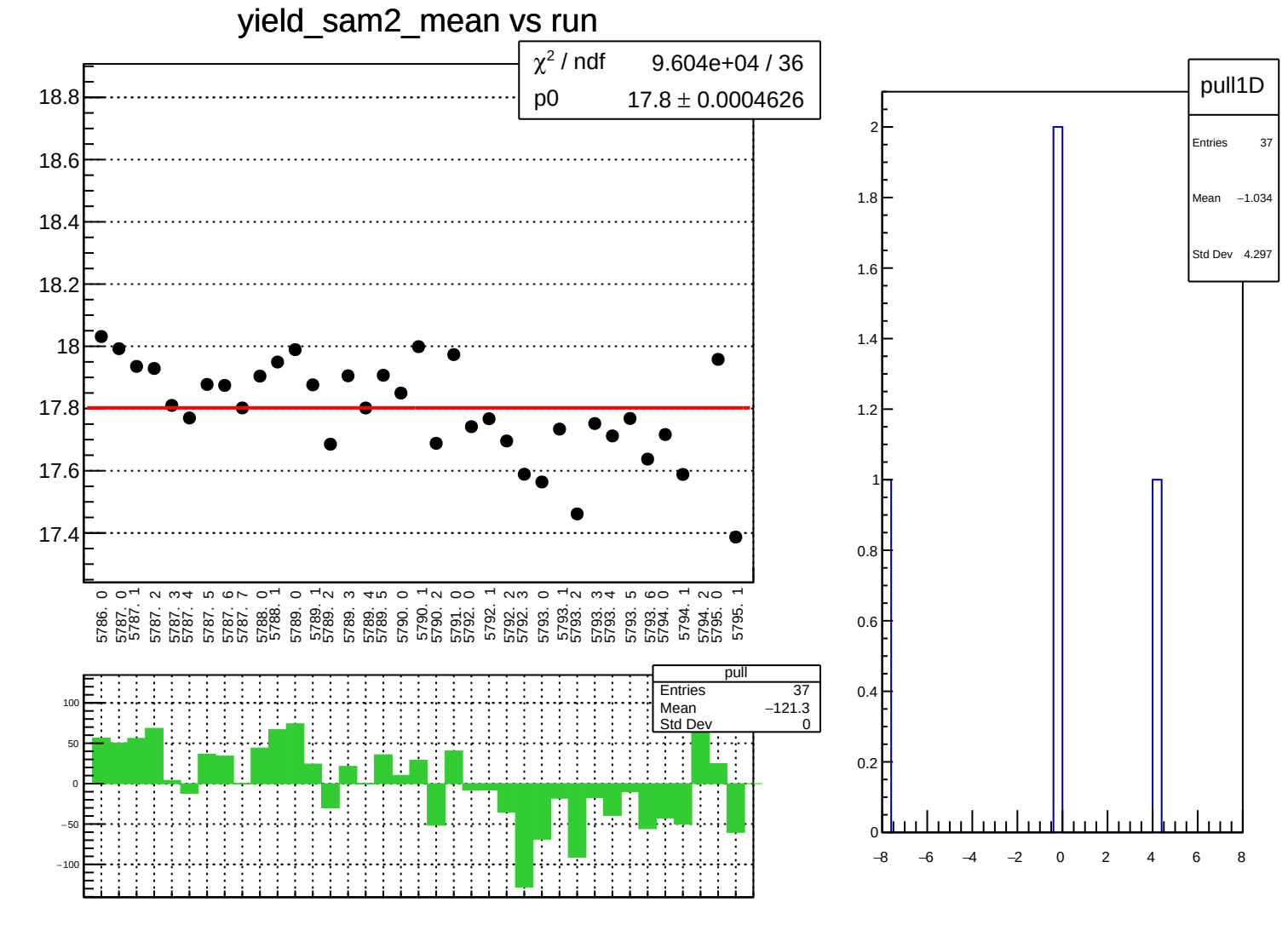

pull1D
Entries 37
Mean 0.0003574
Std Dev 0.9451
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

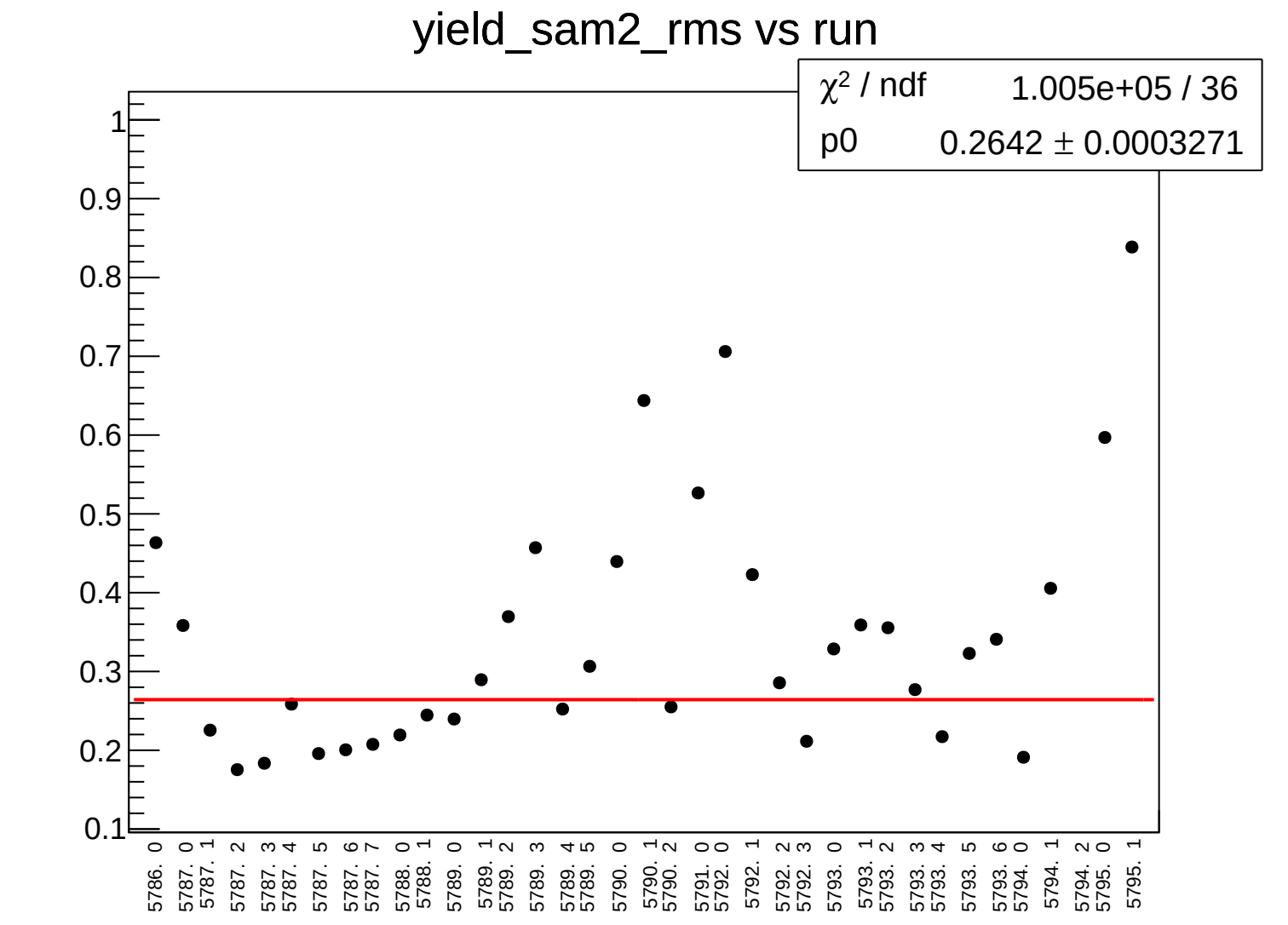

diff_bpm1i06Y_rms vs run
χ² / ndf 3787 / 36
p0 2618 ± 3.024
3100
3000
2900
2800
2700
2600
2500
2400
2300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

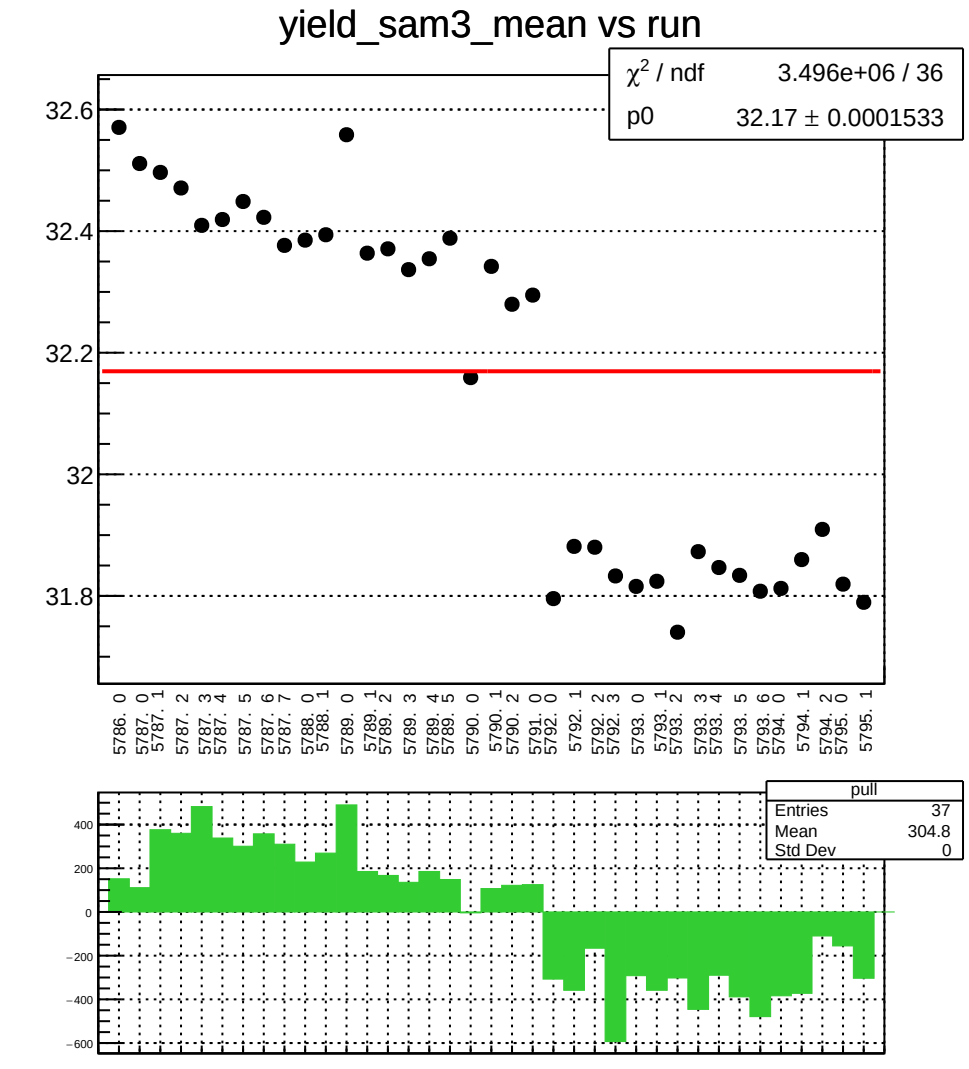

yield_sam1_mean vs run
χ² / ndf 1.691e+06 / 36
p0 15.53 ± 0.0001131
15.8
15.7
15.6
15.5
15.4
15.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 333.8
Std Dev 0
400
300
200
100
0
−100
−200
−300
−400
−500

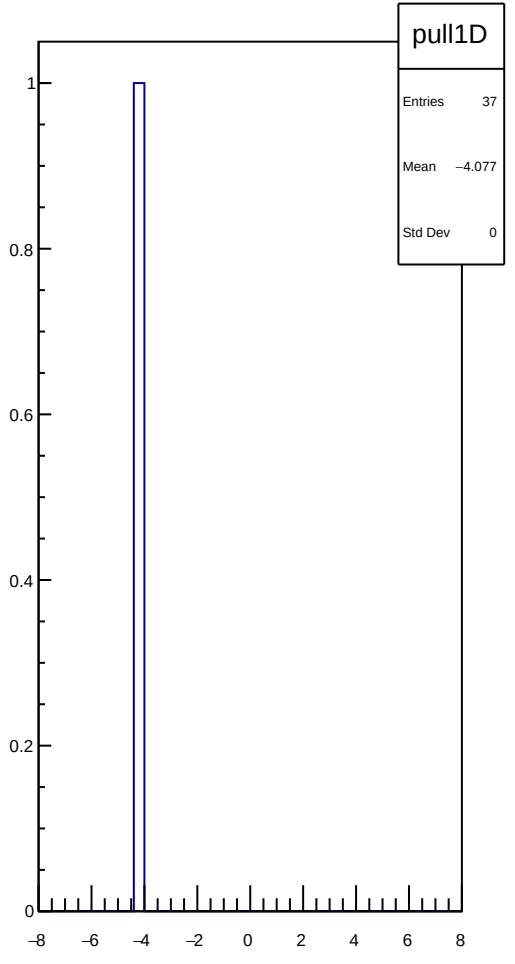

pull1D
Entries 37
Mean −0.7759
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

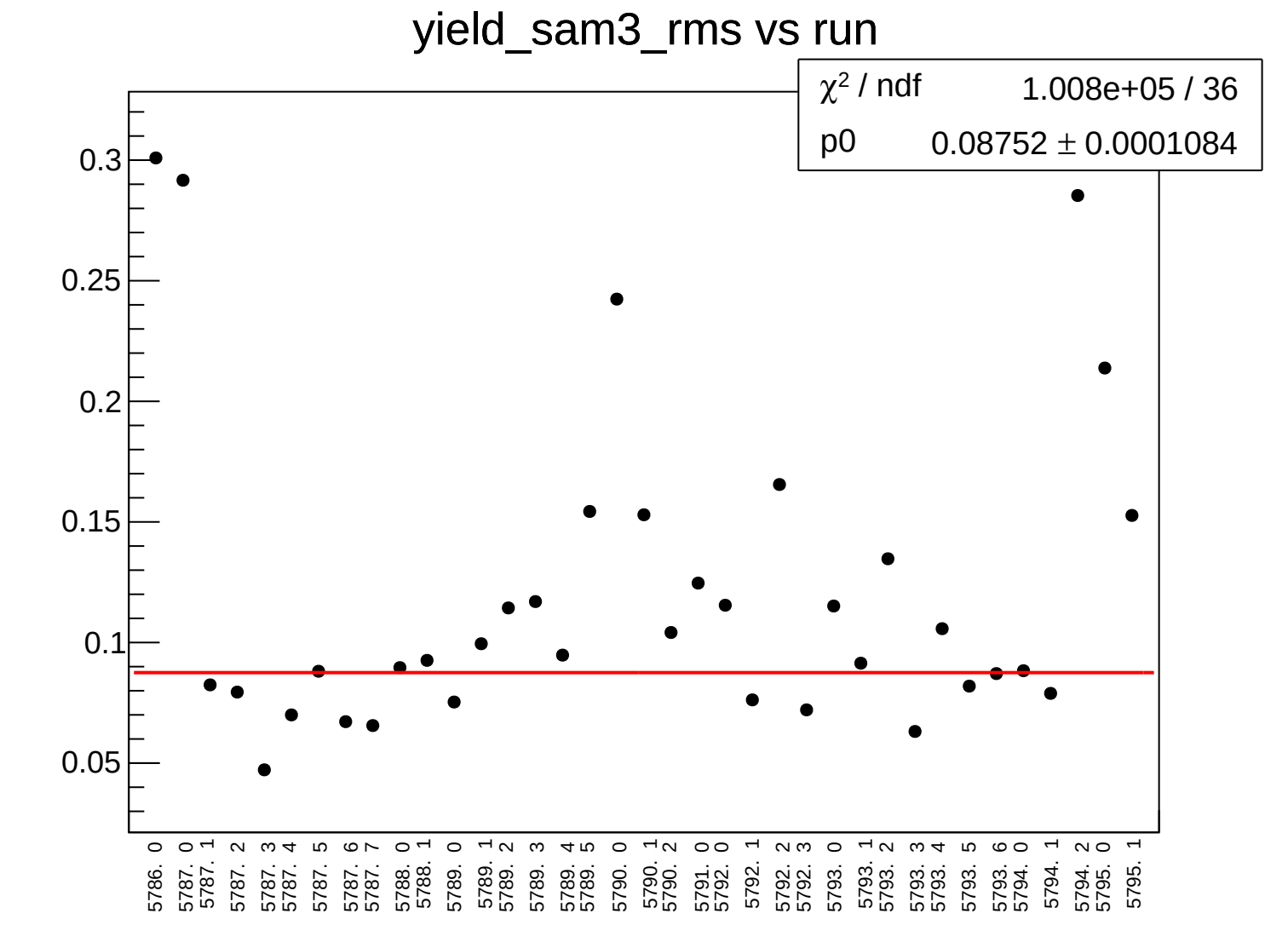

yield_sam1_rms vs run
χ² / ndf 1.029e+05 / 36
p0 0.06448 ± 7.998e−05
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

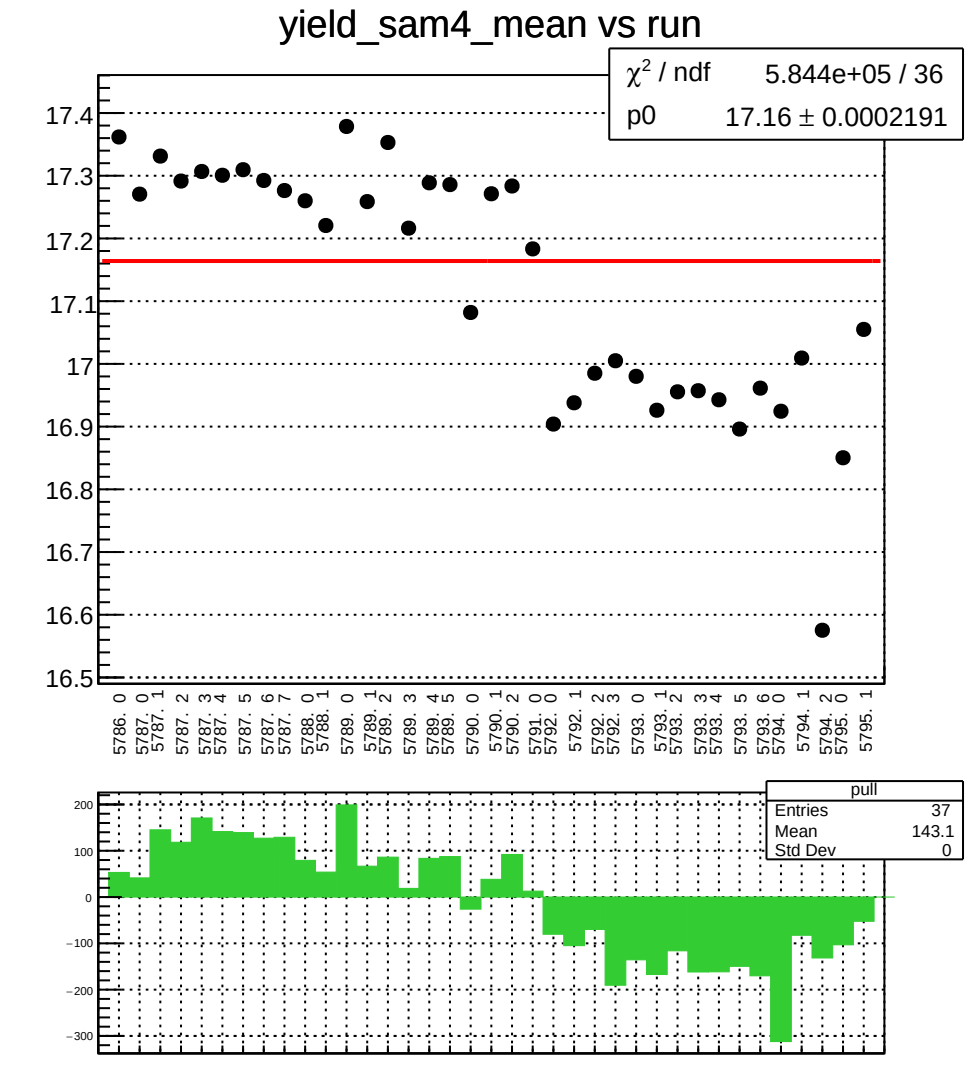

yield_sam2_mean vs run
χ² / ndf 9.604e+04 / 36
p0 17.8 ± 0.0004626
18.8
18.6
18.4
18.2
18
17.8
17.6
17.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −121.3
Std Dev 0
100
50
0
−50
−100
pull1D
Entries 37
Mean −1.034
Std Dev 4.297
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

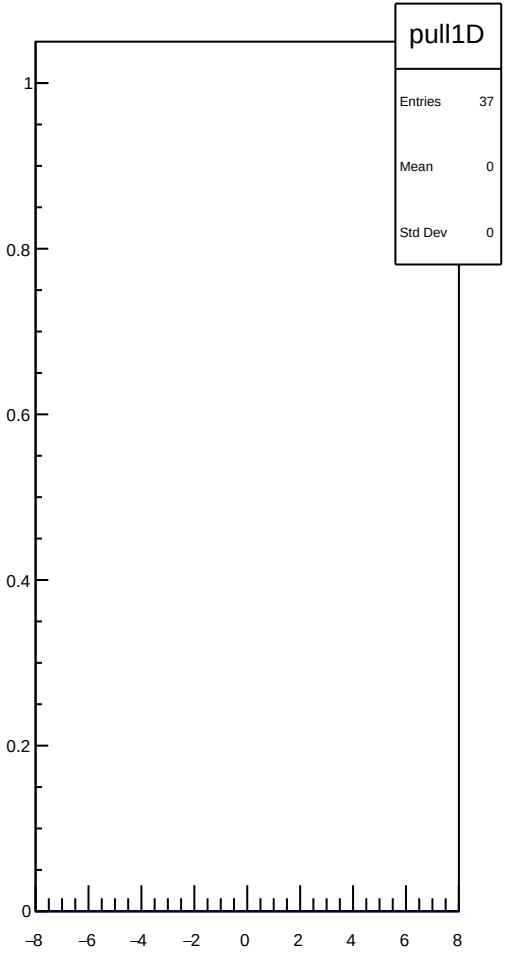

yield_sam2_rms vs run
χ² / ndf 1.005e+05 / 36
p0 0.2642 ± 0.0003271
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

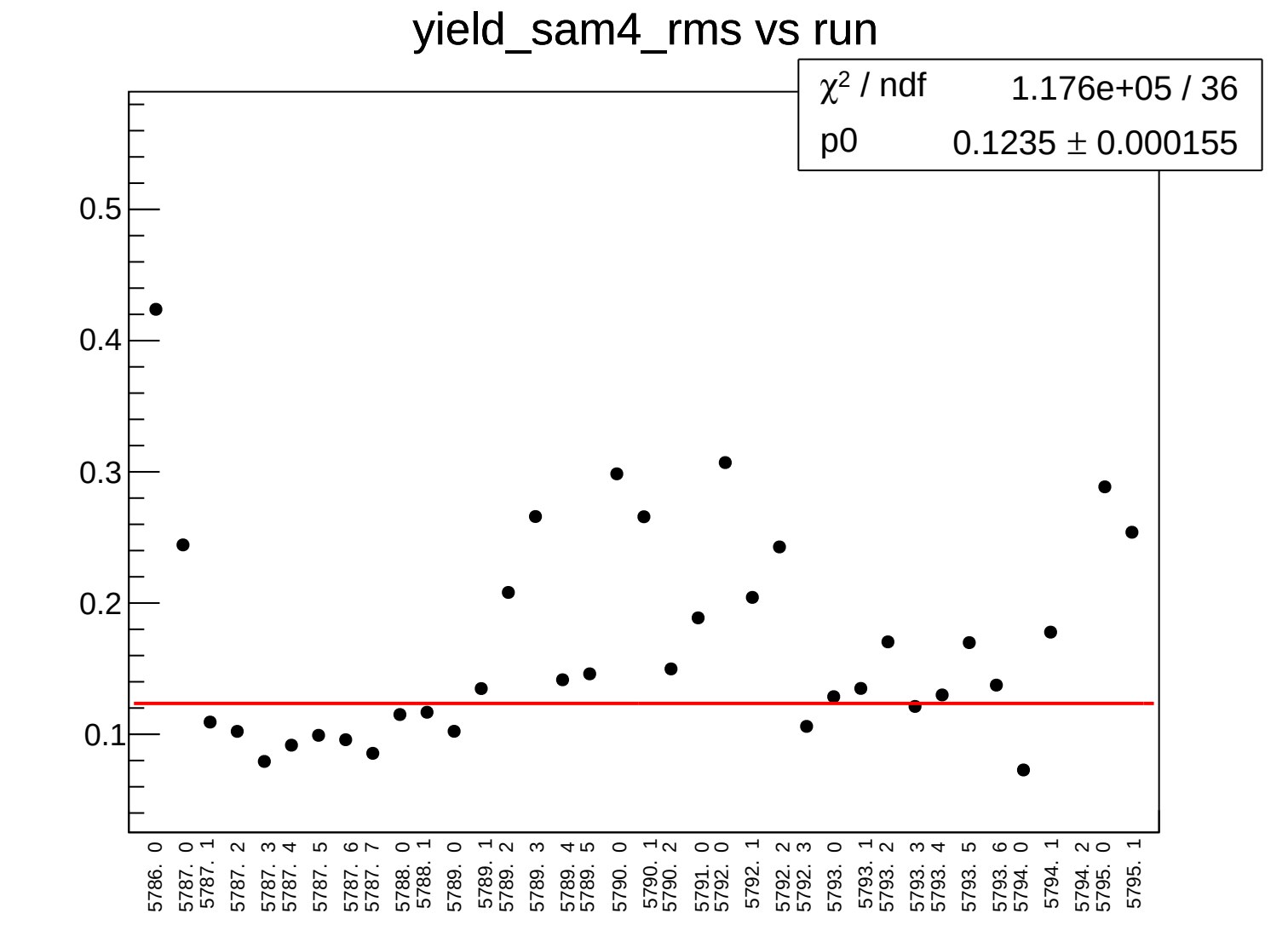

yield_sam3_mean vs run
χ² / ndf 3.496e+06 / 36
p0 32.17 ± 0.0001533
32.6
32.4
32.2
32
31.8
pull
Entries 37
Mean 304.8
Std Dev 0
400
200
0
−200
−400
−600

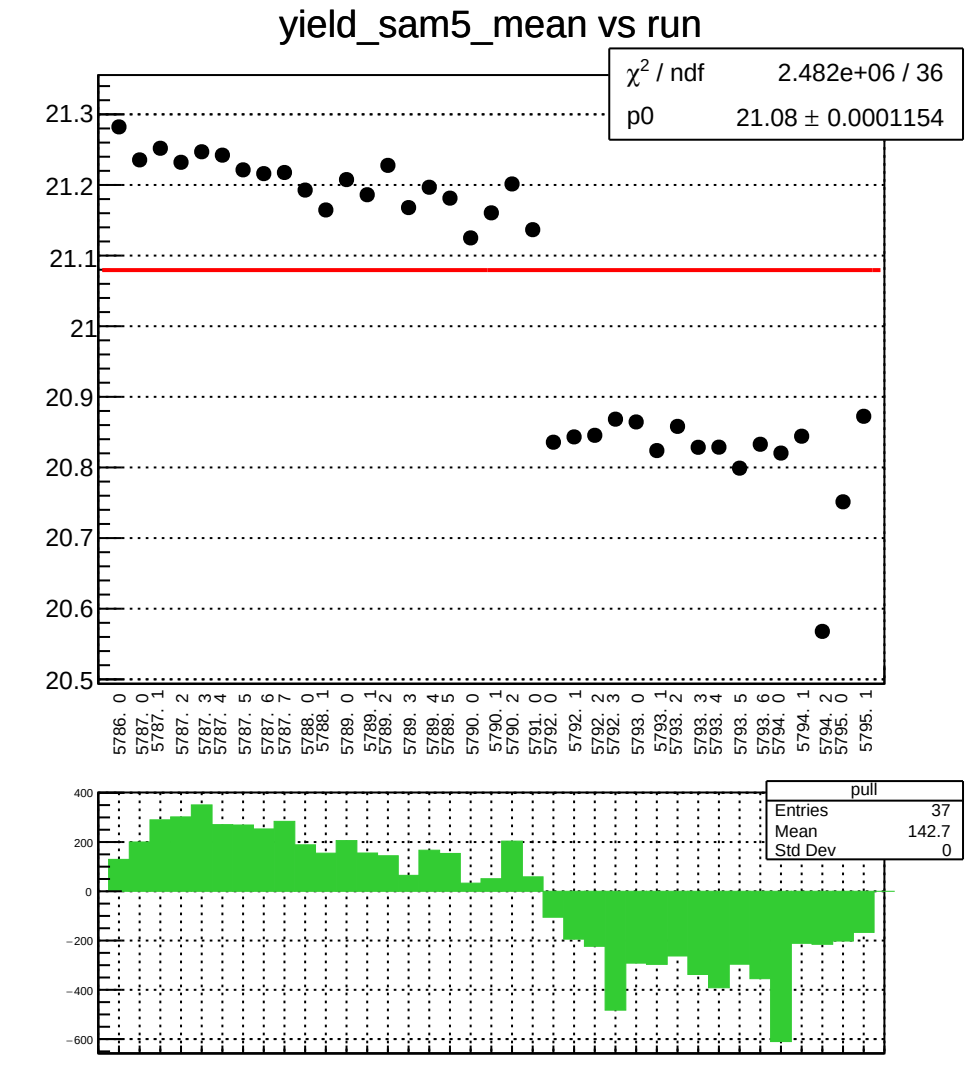

pull1D
Entries 37
Mean −4.077
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

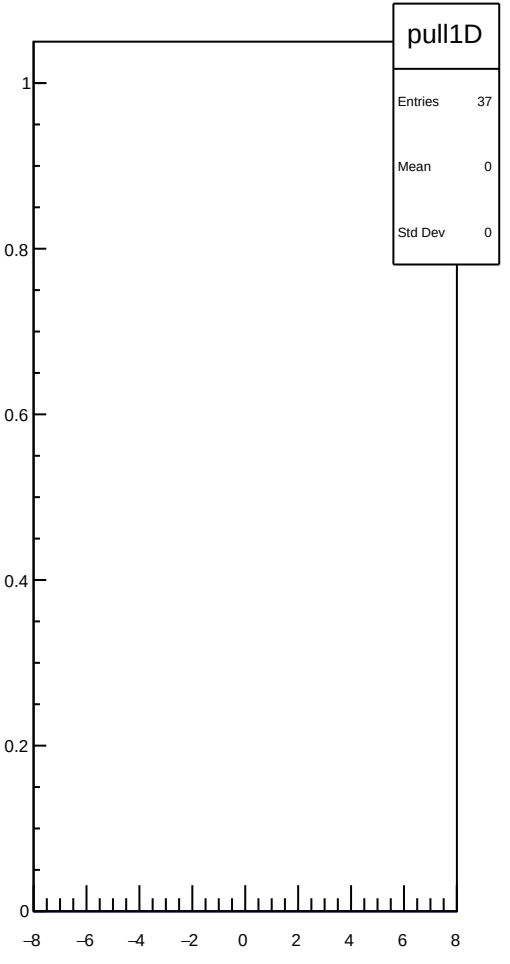

yield_sam3_rms vs run
χ² / ndf 1.008e+05 / 36
p0 0.08752 ± 0.0001084
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

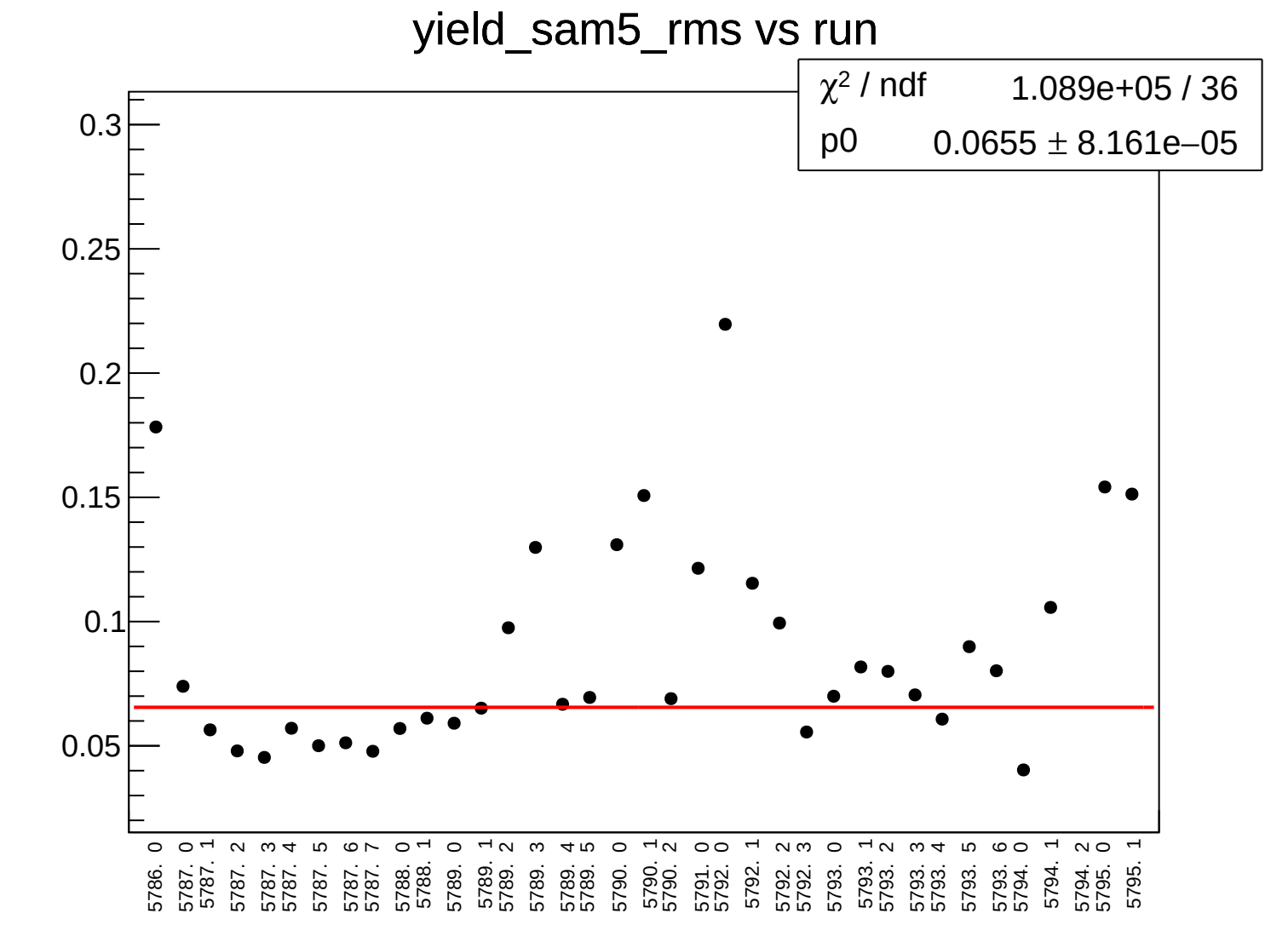

yield_sam4_mean vs run
χ² / ndf 5.844e+05 / 36
p0 17.16 ± 0.0002191
17.4
17.3
17.2
17.1
17
16.9
16.8
16.7
16.6
16.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 143.1
Std Dev 0
200
100
0
−100
−200
−300

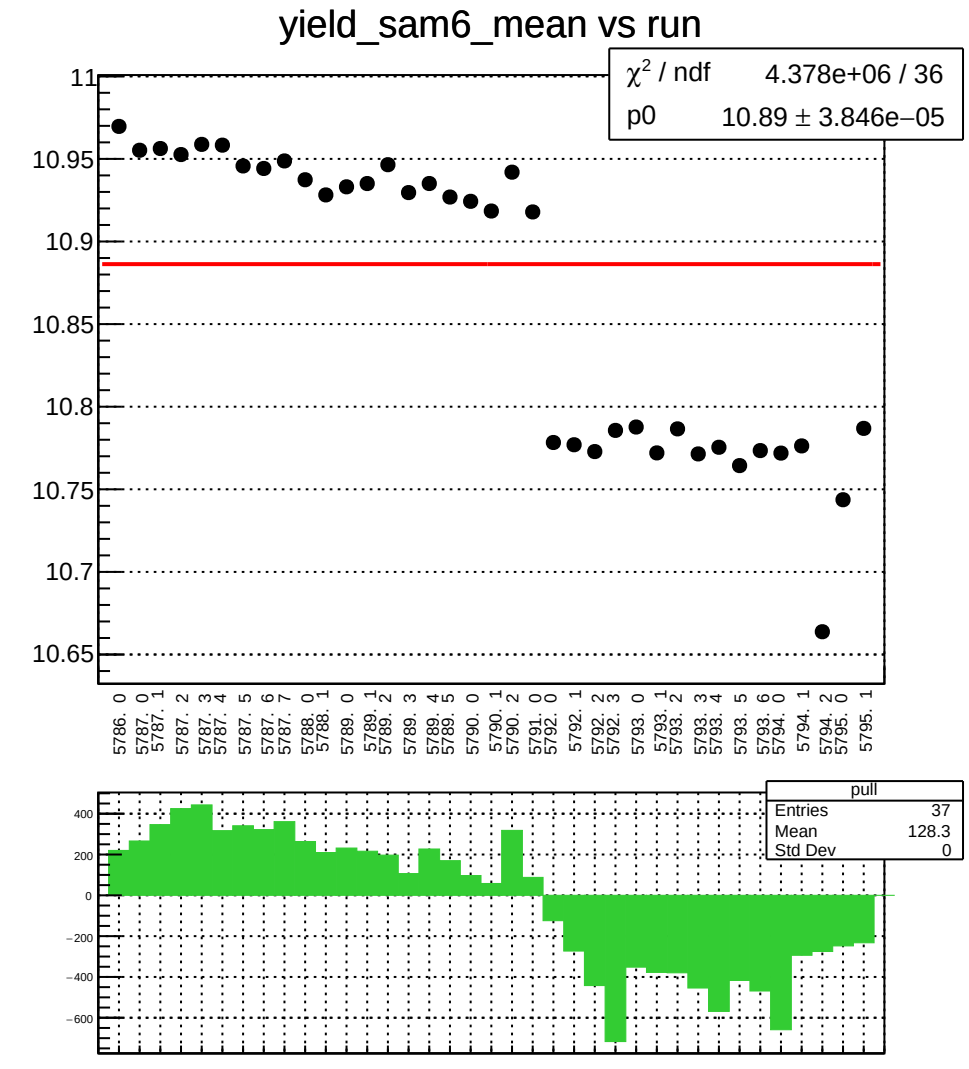

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

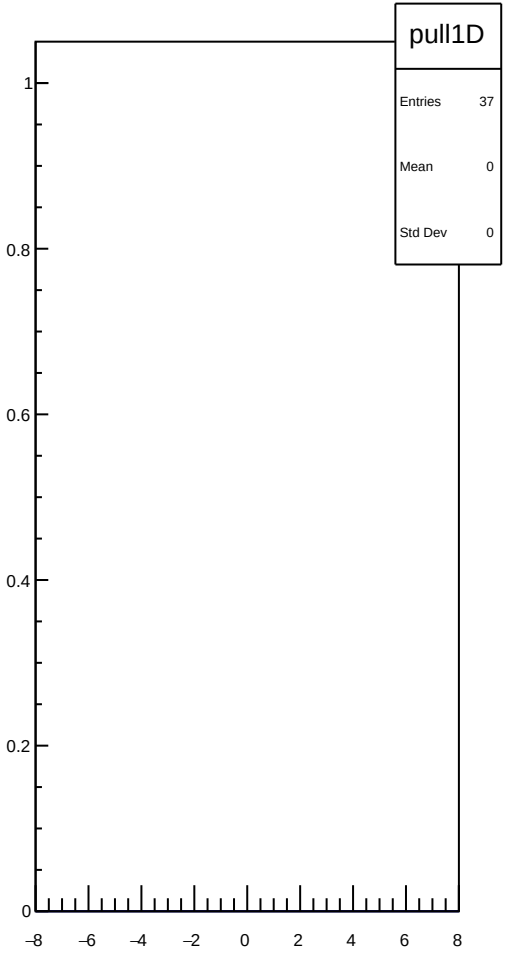

yield_sam4_rms vs run
χ² / ndf 1.176e+05 / 36
p0 0.1235 ± 0.000155
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

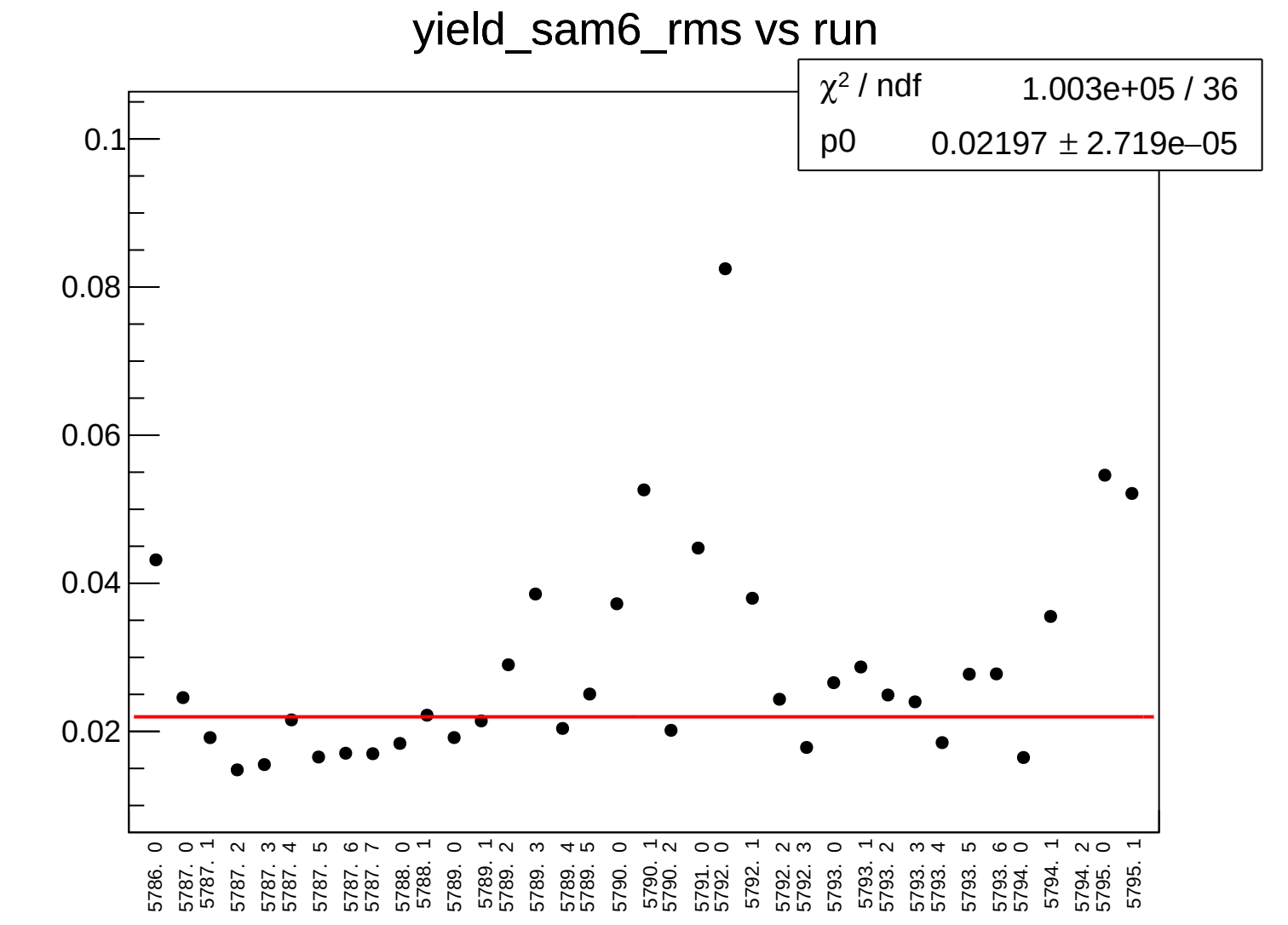

yield_sam5_mean vs run
χ² / ndf 2.482e+06 / 36
p0 21.08 ± 0.0001154
21.3
21.2
21.1
21
20.9
20.8
20.7
20.6
20.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 142.7
Std Dev 0
400
200
0
−200
−400
−600

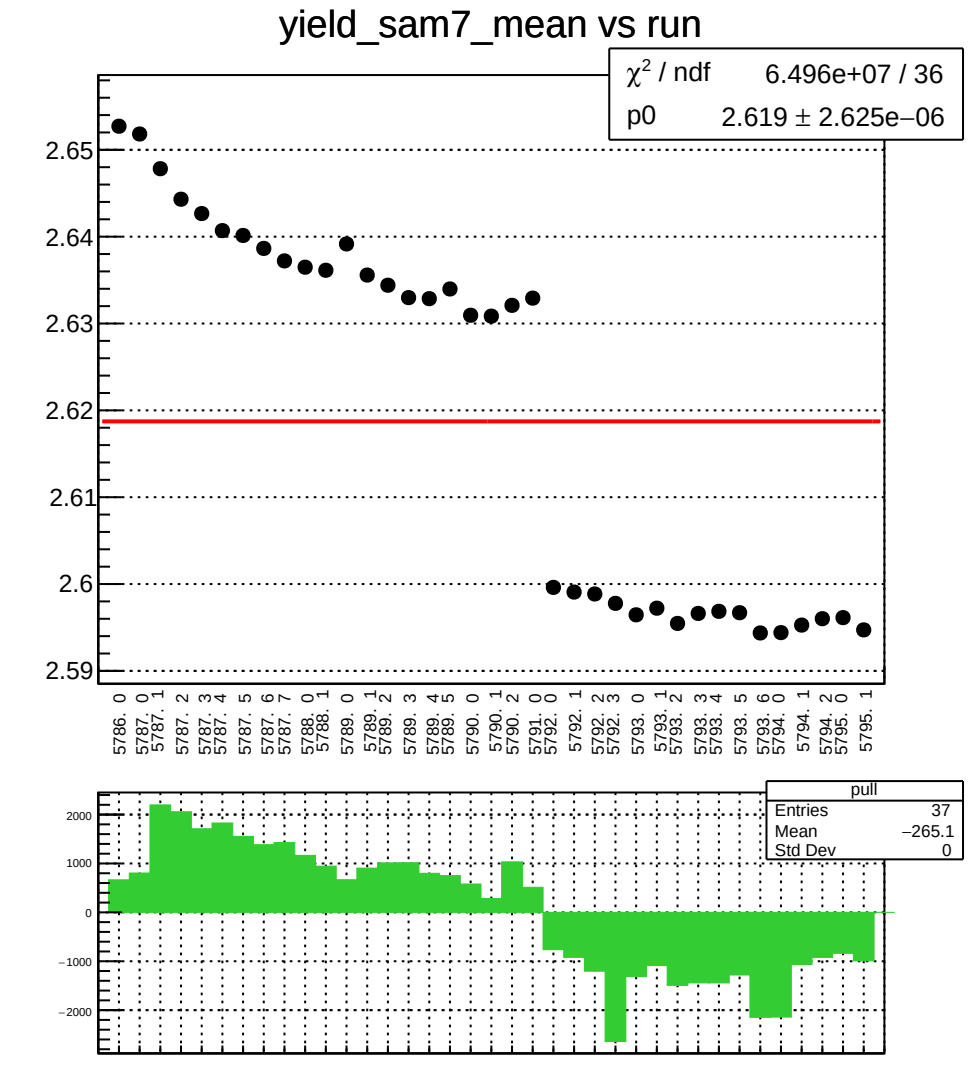

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

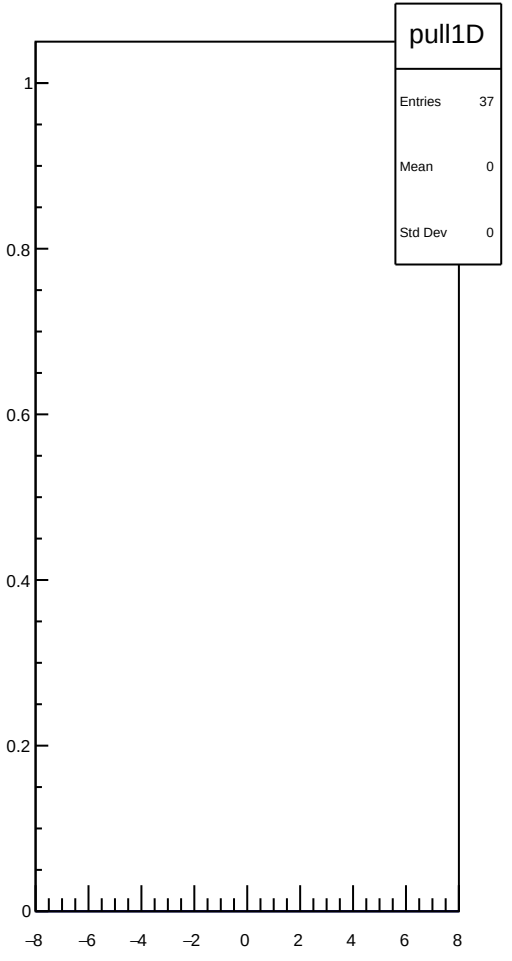

yield_sam5_rms vs run
χ² / ndf 1.089e+05 / 36
p0 0.0655 ± 8.161e−05
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

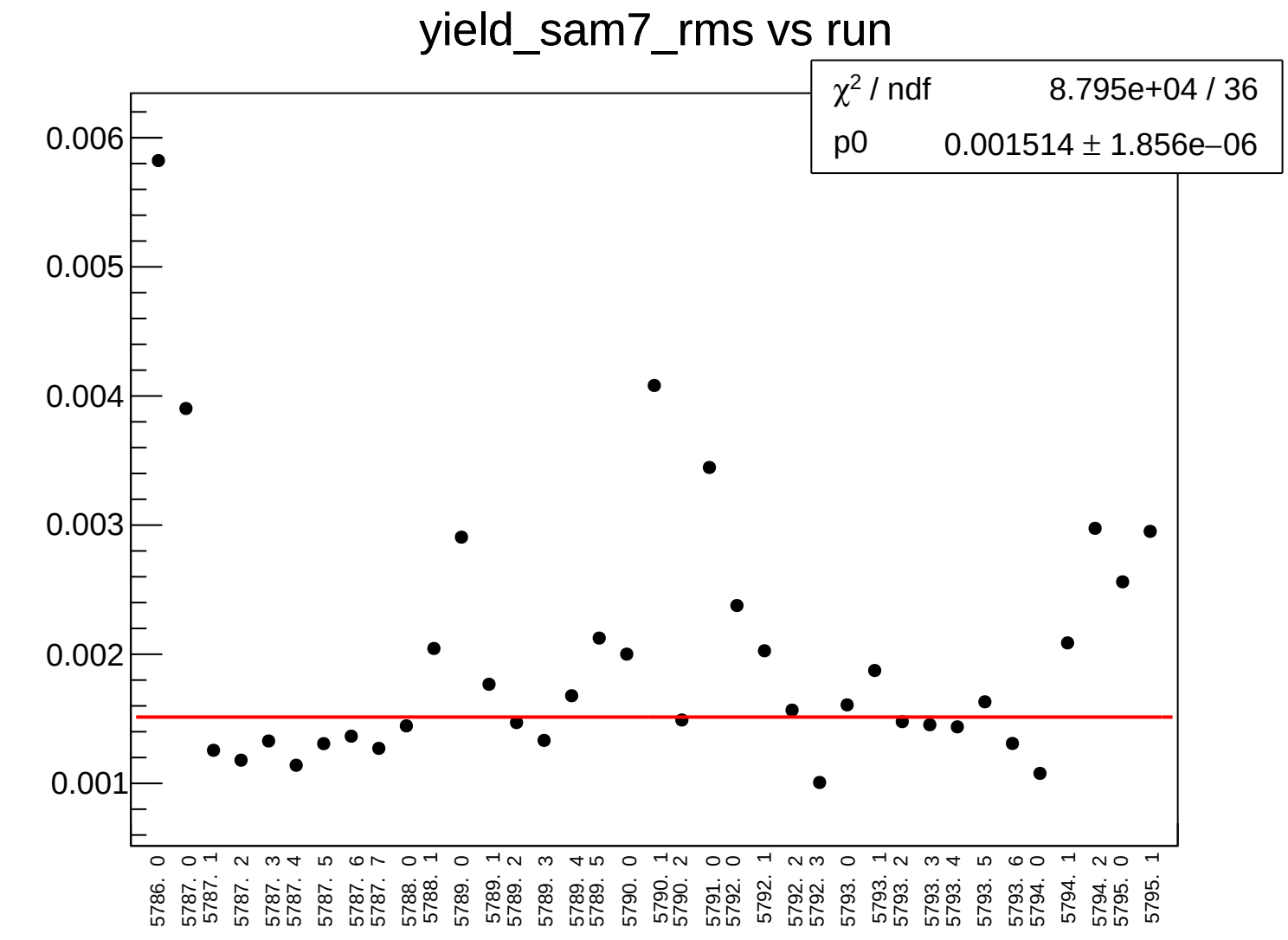

yield_sam6_mean vs run
χ² / ndf 4.378e+06 / 36
p0 10.89 ± 3.846e−05
11
10.95
10.9
10.85
10.8
10.75
10.7
10.65
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.3
Std Dev 0
400
200
0
−200
−400
−600

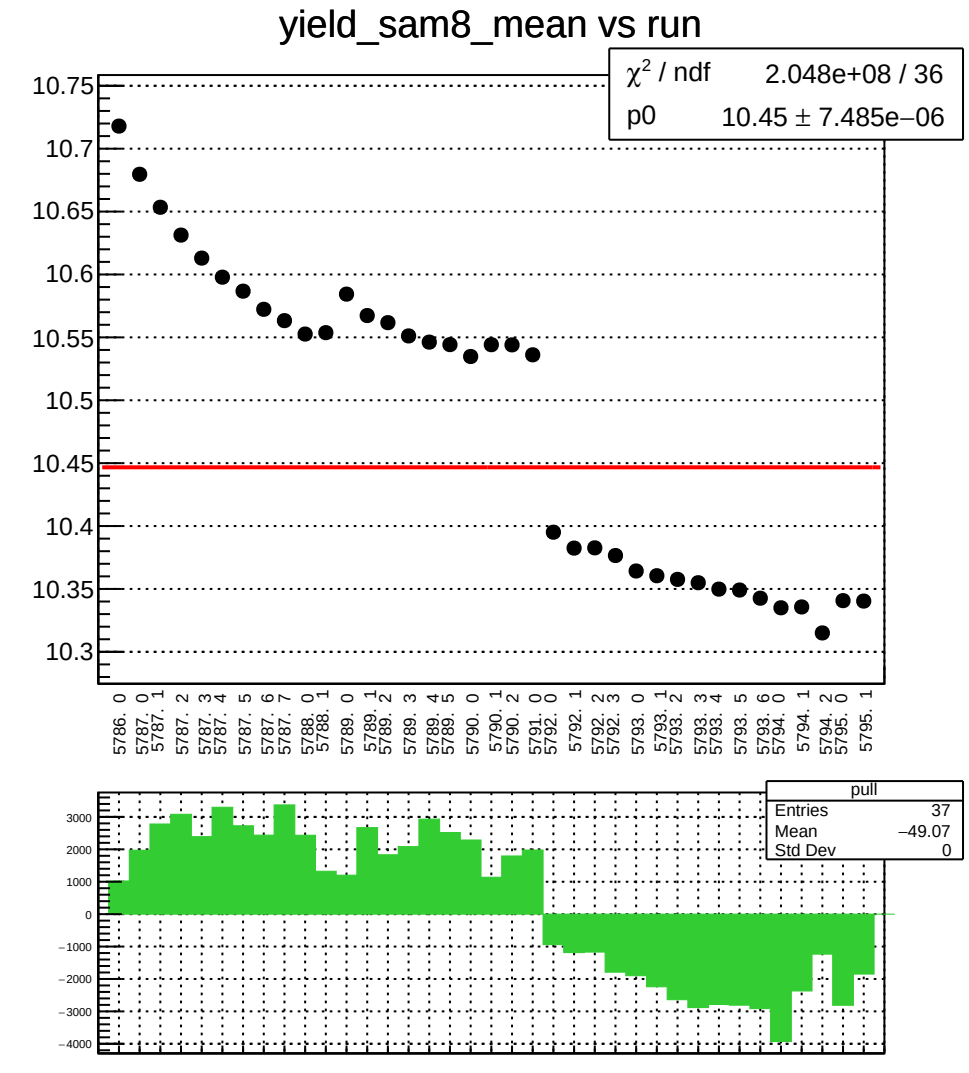

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

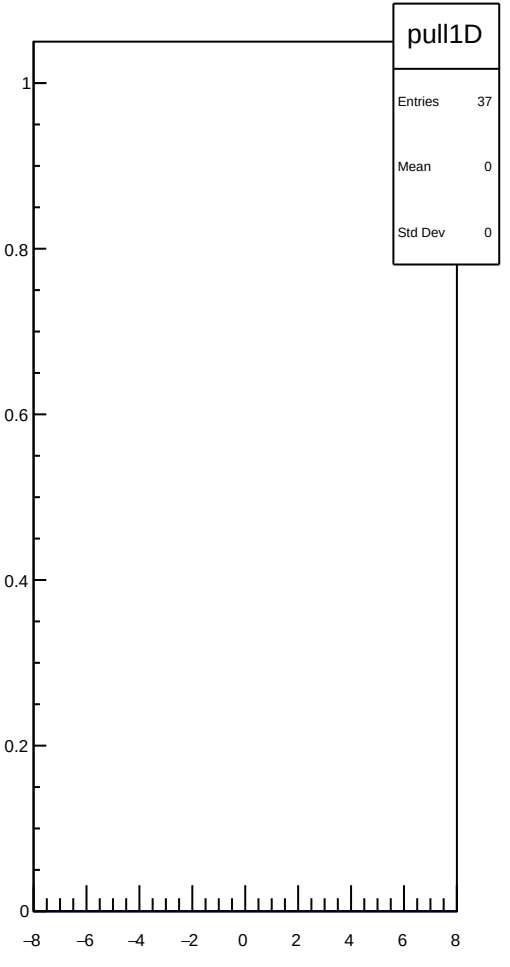

yield_sam6_rms vs run
χ² / ndf 1.003e+05 / 36
p0 0.02197 ± 2.719e–05
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

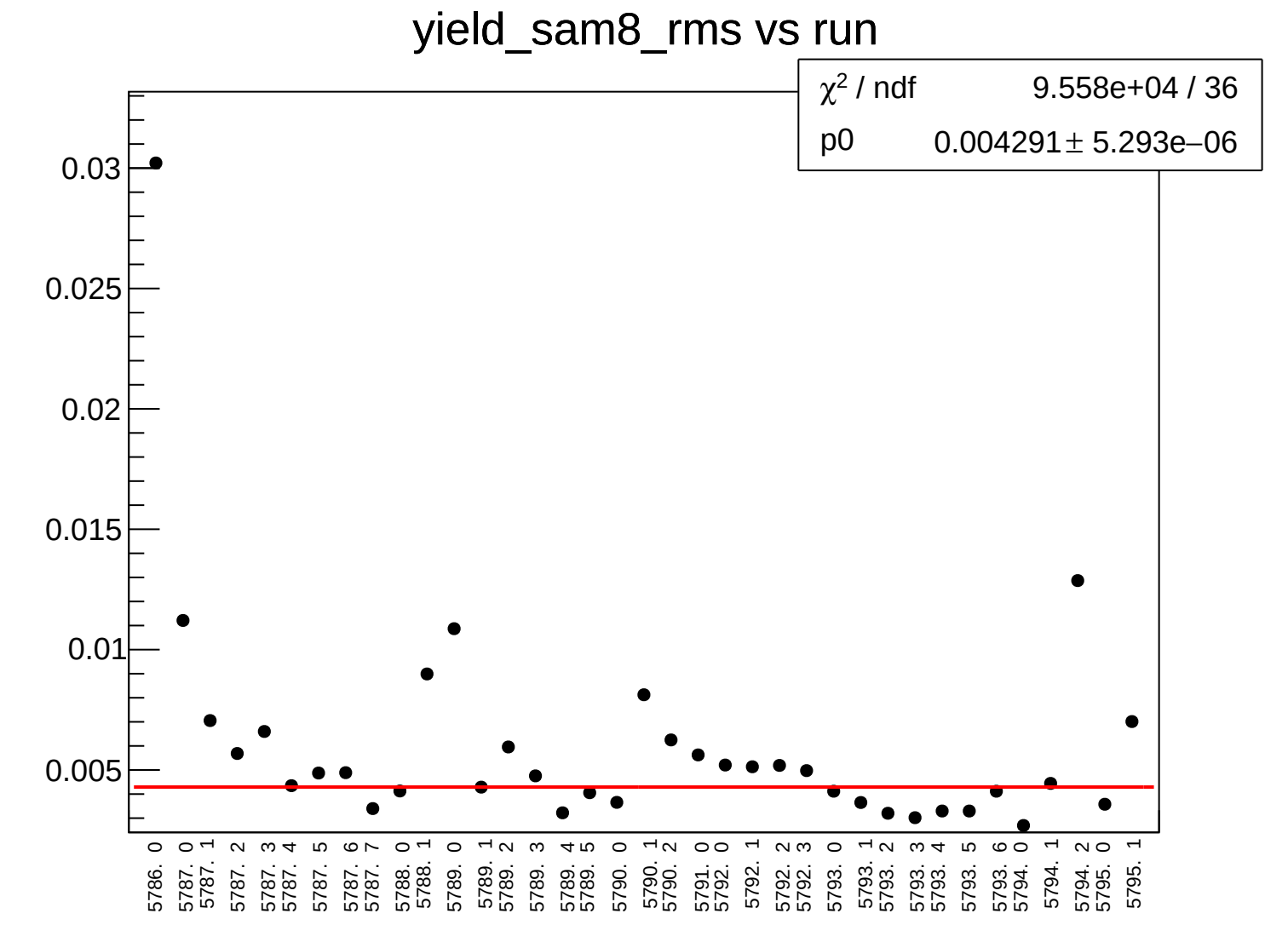

yield_sam7_mean vs run
χ² / ndf 6.496e+07 / 36
p0 2.619 ± 2.625e−06
2.65
2.64
2.63
2.62
2.61
2.6
2.59
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −265.1
Std Dev 0
2000
1000
0
−1000
−2000

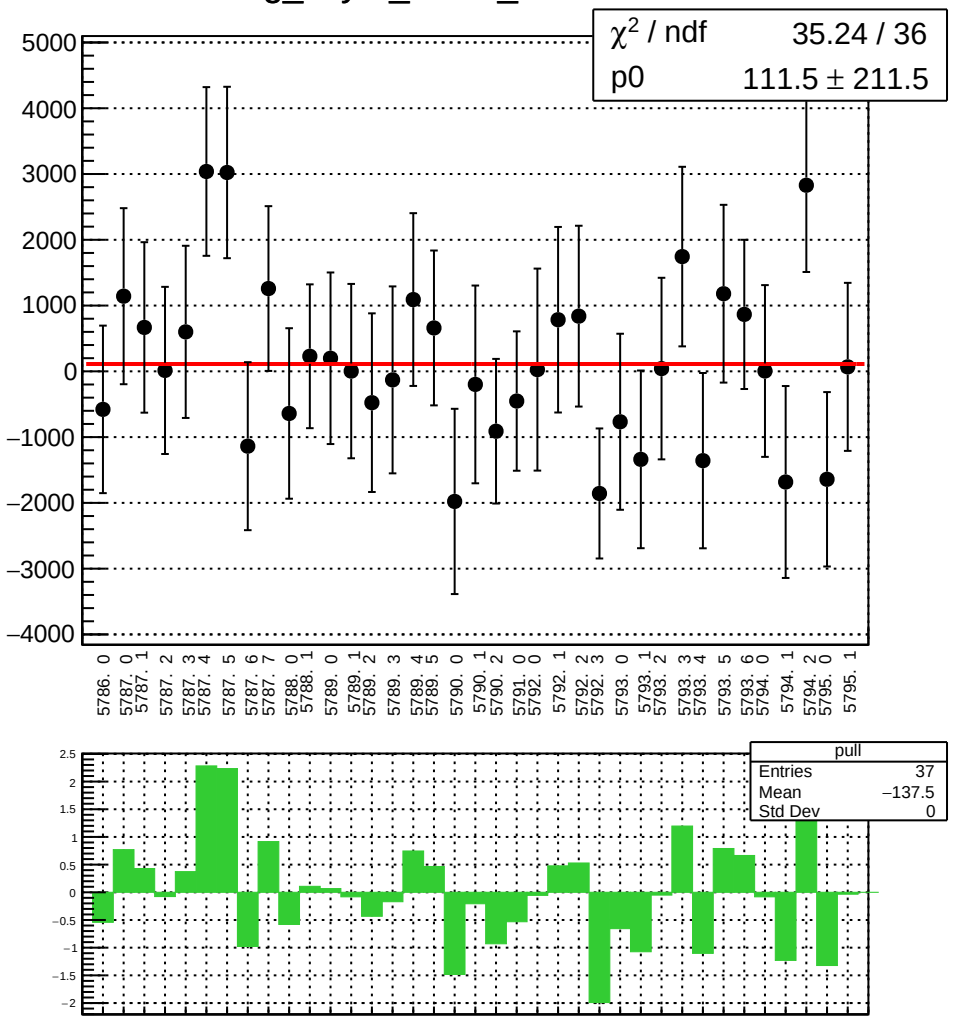

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

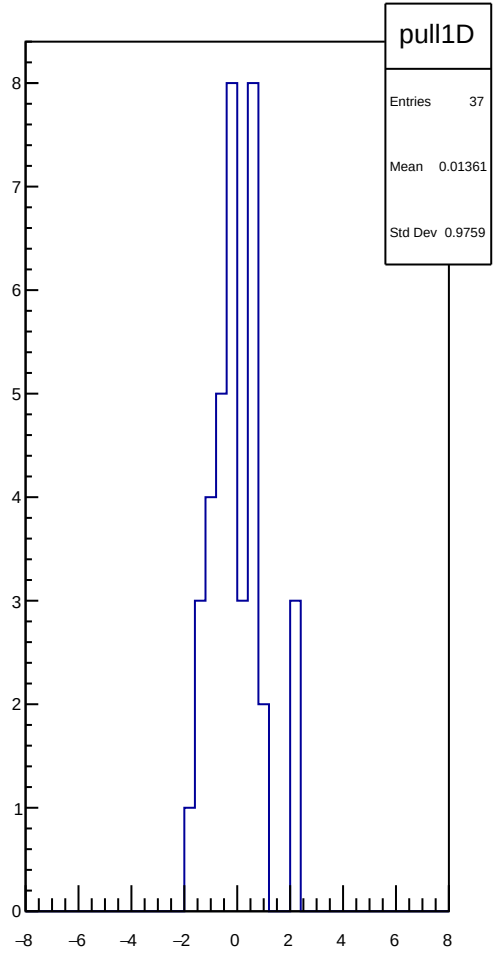

yield_sam7_rms vs run
χ² / ndf 8.795e+04 / 36
p0 0.001514 ± 1.856e−06
0.006
0.005
0.004
0.003
0.002
0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

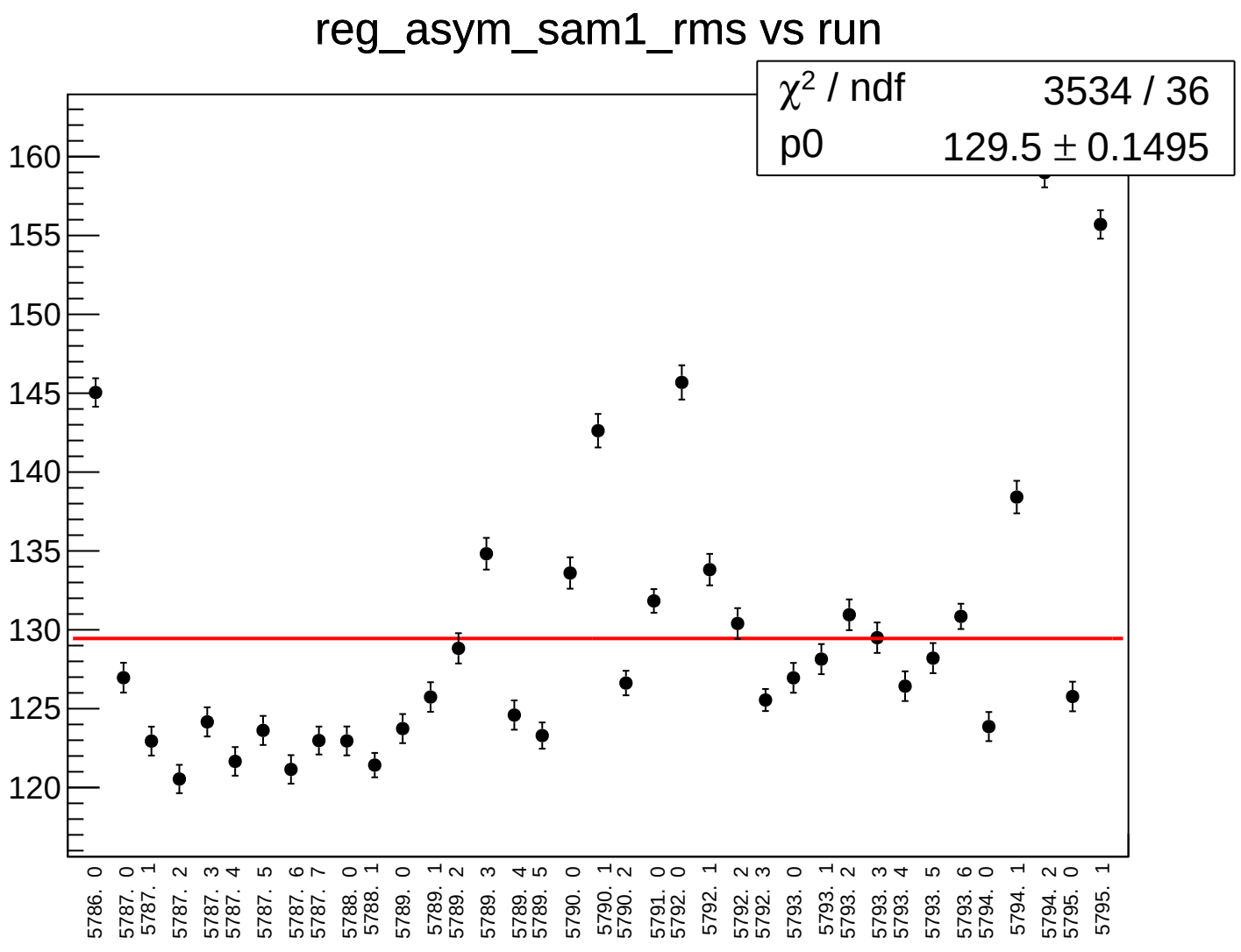

yield_sam8_mean vs run
χ² / ndf 2.048e+08 / 36
p0 10.45 ± 7.485e−06
10.75
10.7
10.65
10.6
10.55
10.5
10.45
10.4
10.35
10.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.07
Std Dev 0
3000
2000
1000
0
−1000
−2000
−3000
−4000

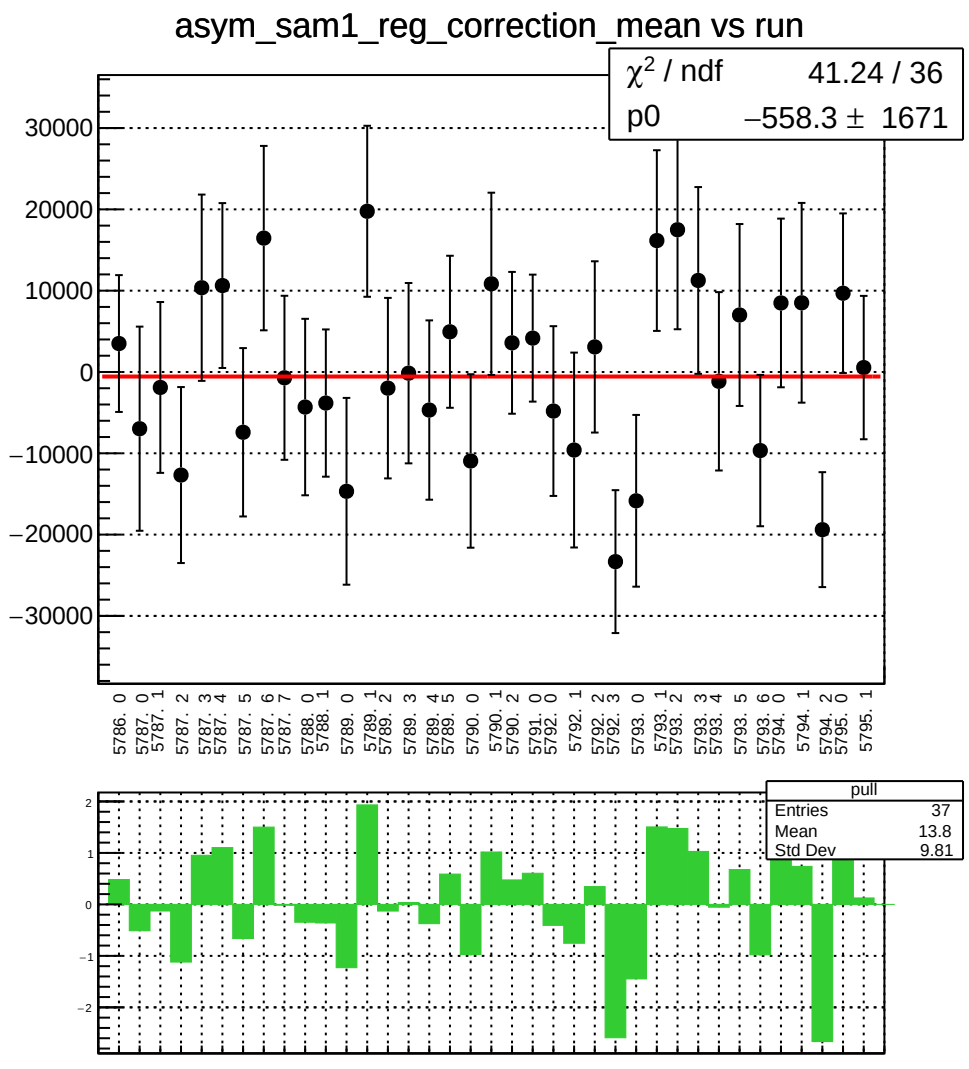

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

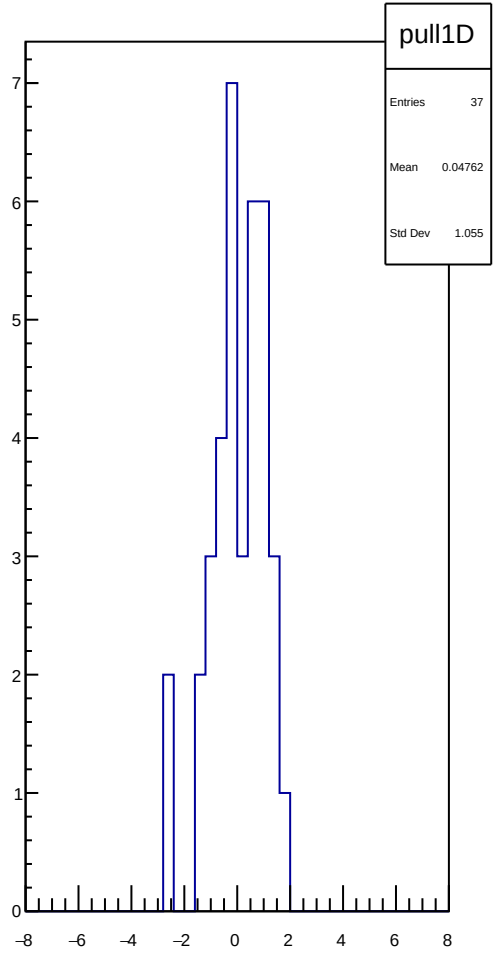

yield_sam8_rms vs run
χ² / ndf 9.558e+04 / 36
p0 0.004291 ± 5.293e−06
0.03
0.025
0.02
0.015
0.01
0.005
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

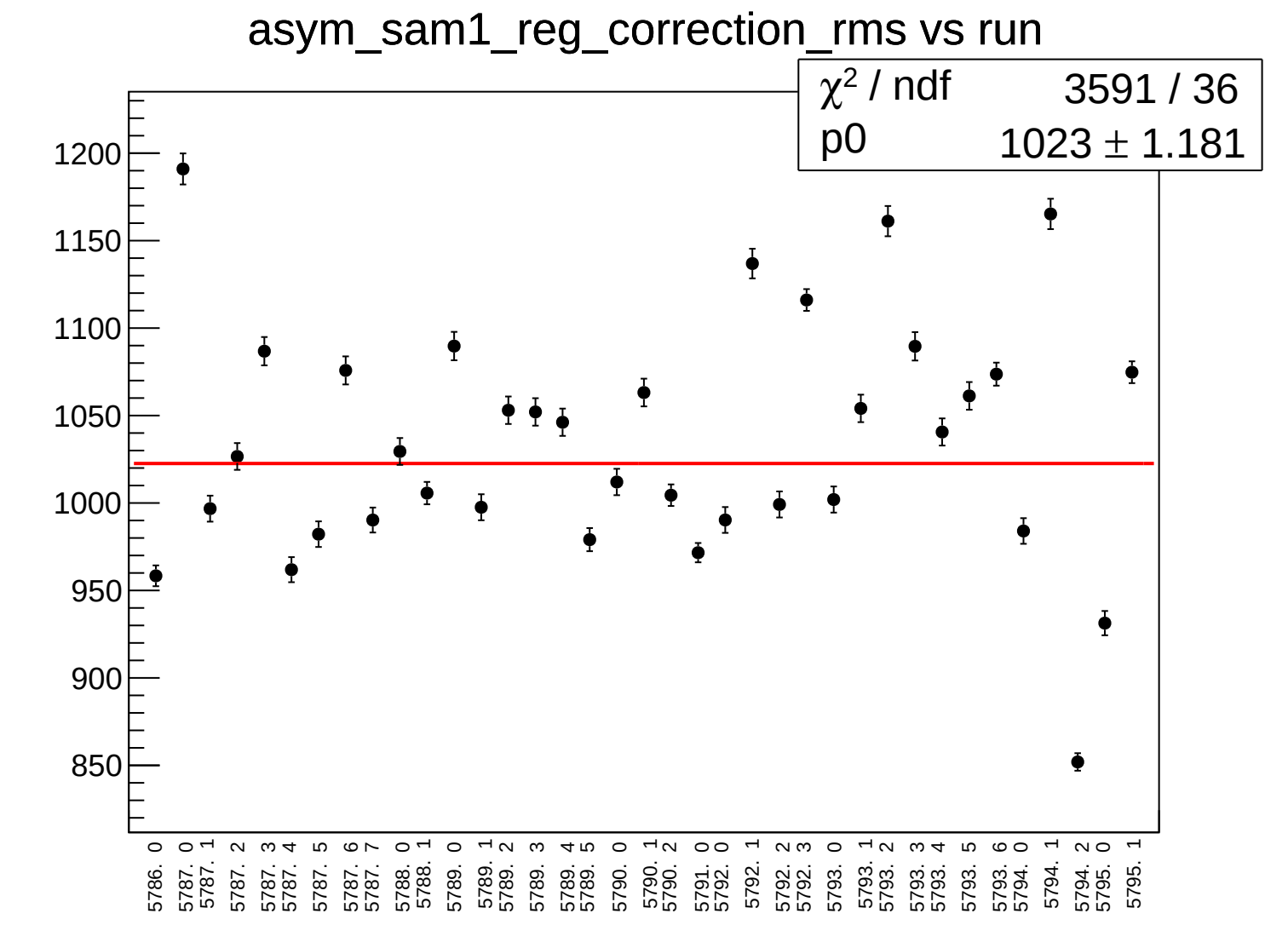

reg_asym_sam1_mean vs run
χ² / ndf 35.24 / 36
p0 111.5 ± 211.5
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −137.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

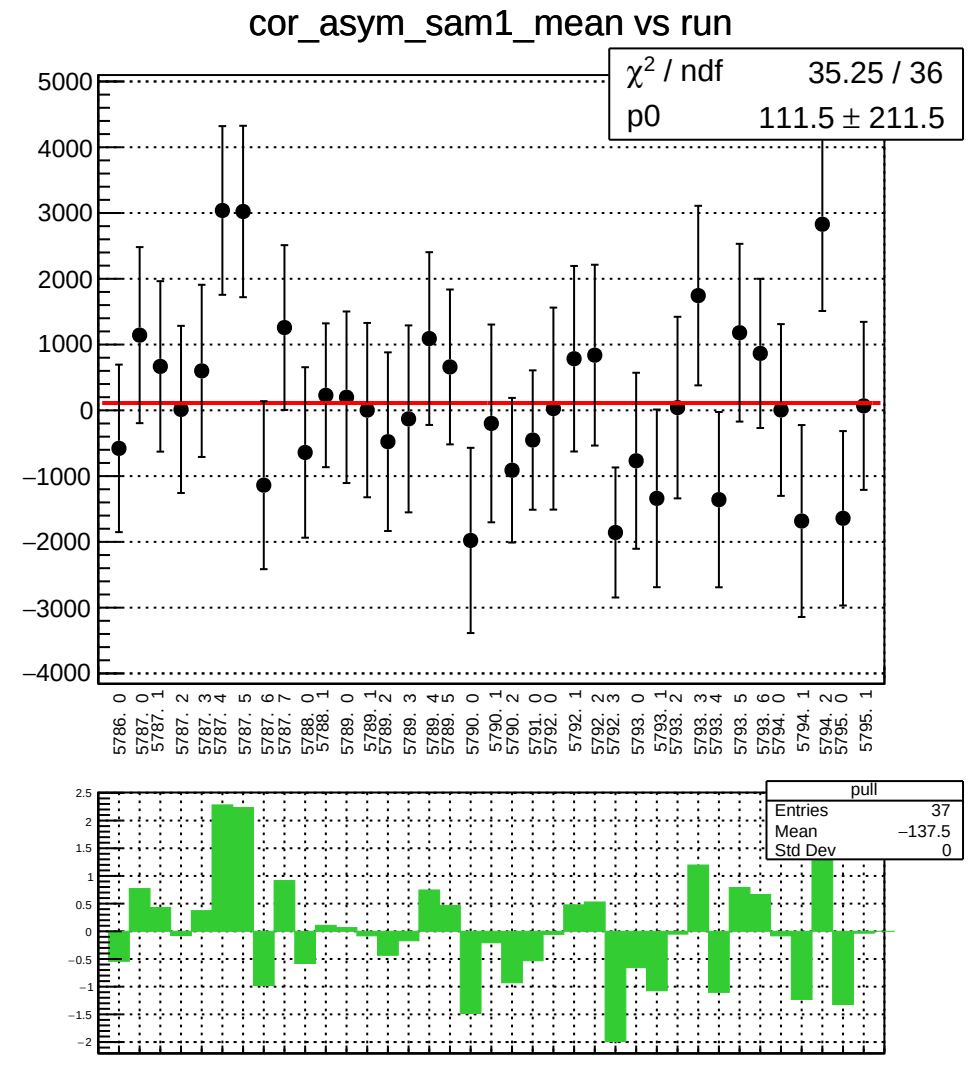

pull1D
Entries 37
Mean 0.01361
Std Dev 0.9759
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

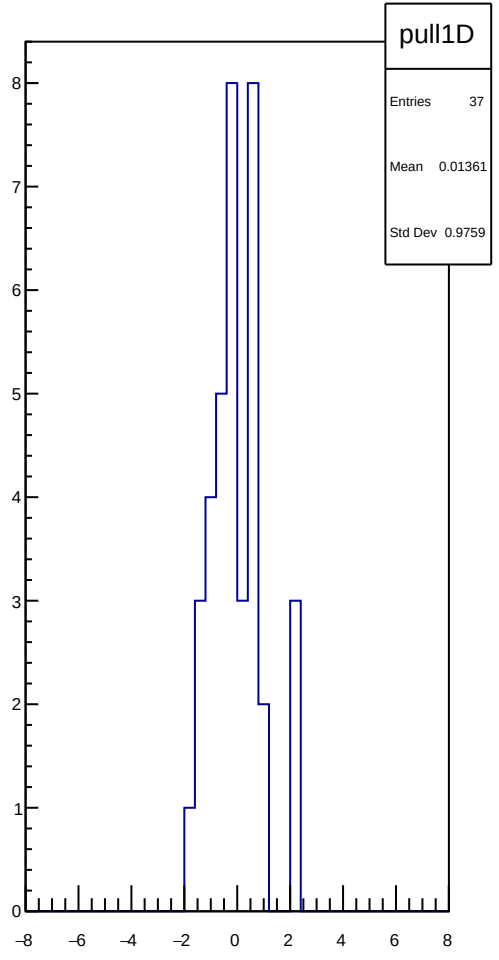

reg_asym_sam1_rms vs run
χ² / ndf 3534 / 36
p0 129.5 ± 0.1495
160
155
150
145
140
135
130
125
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

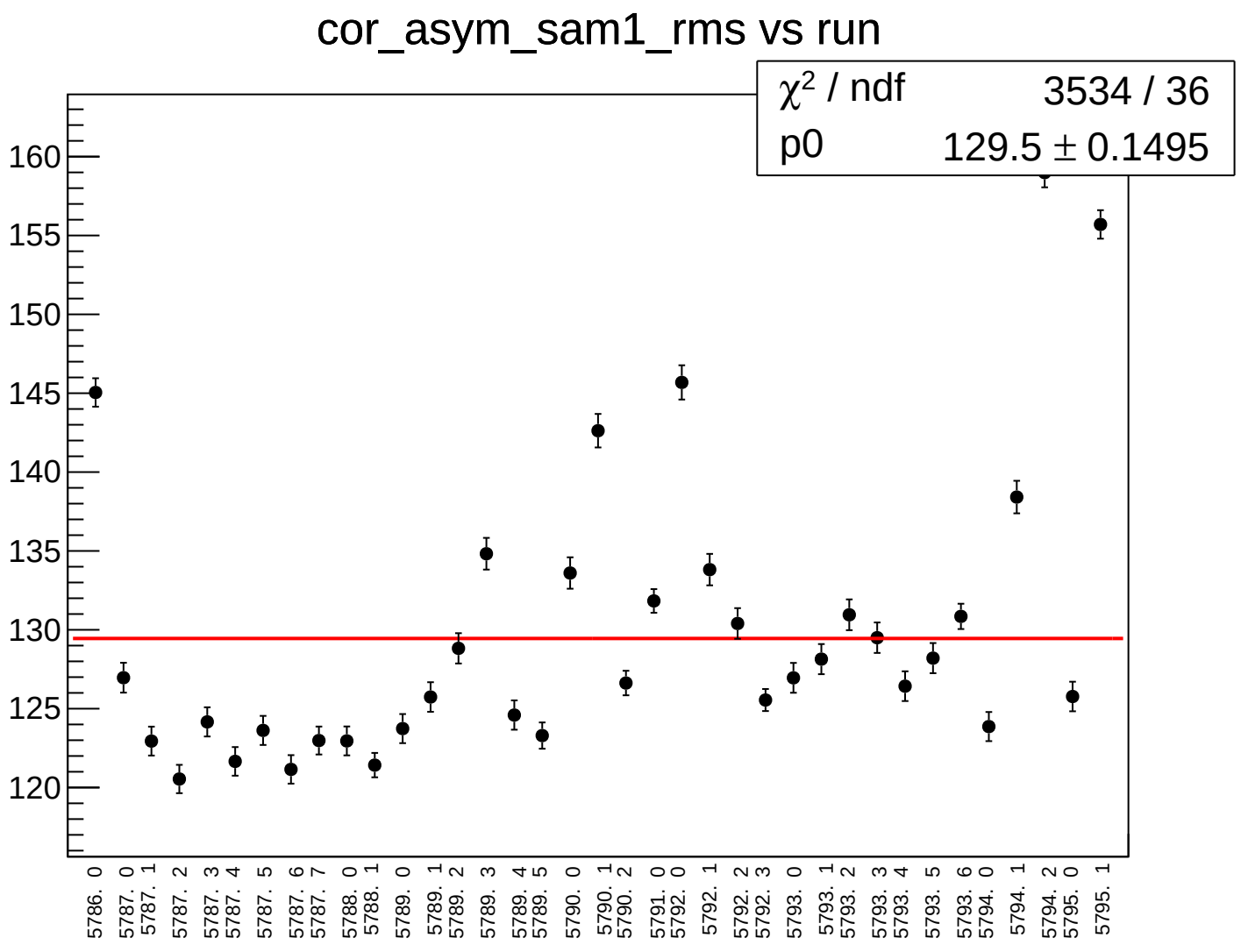

asym_sam1_reg_correction_mean vs run
χ² / ndf 41.24 / 36
p0 −558.3 ± 1671
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.8
Std Dev 9.81
2
1
0
−1
−2

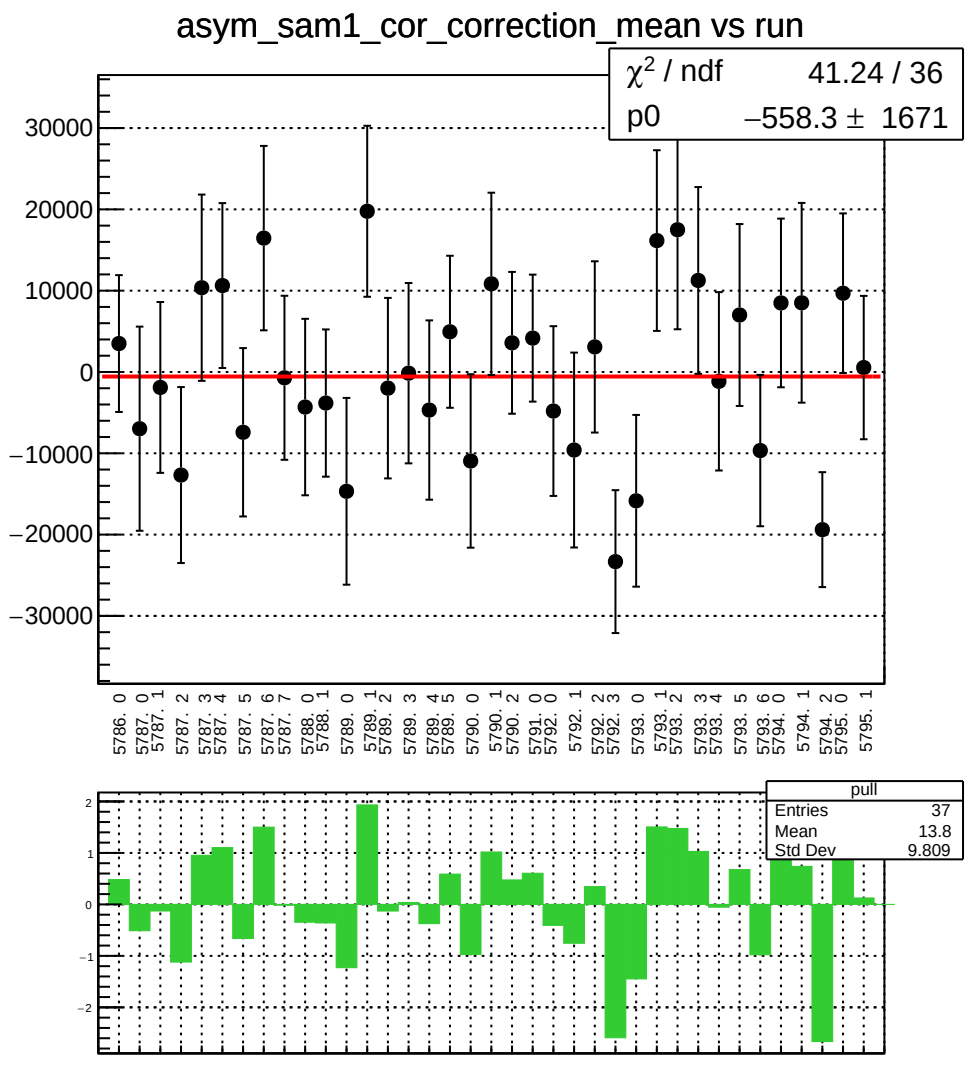

pull1D
Entries 37
Mean 0.04762
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

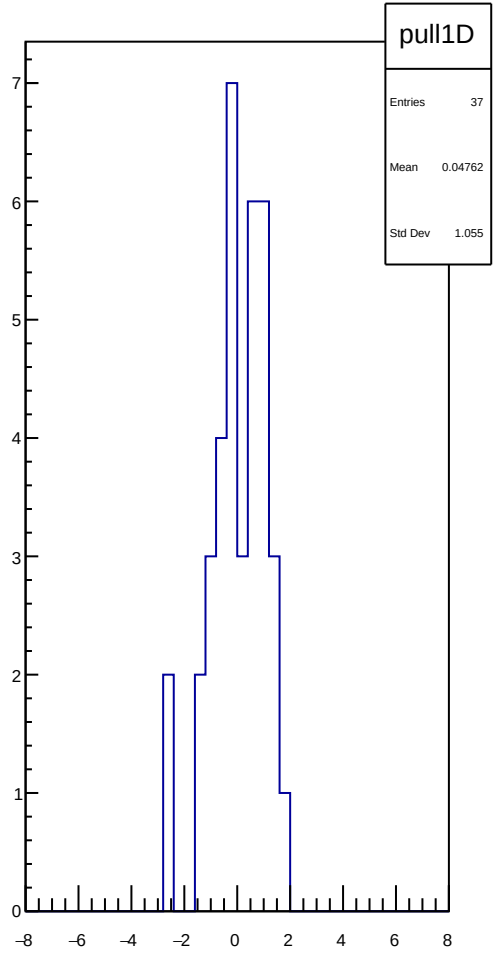

asym_sam1_reg_correction_rms vs run
χ² / ndf 3591 / 36
p0 1023 ± 1.181
1200
1150
1100
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

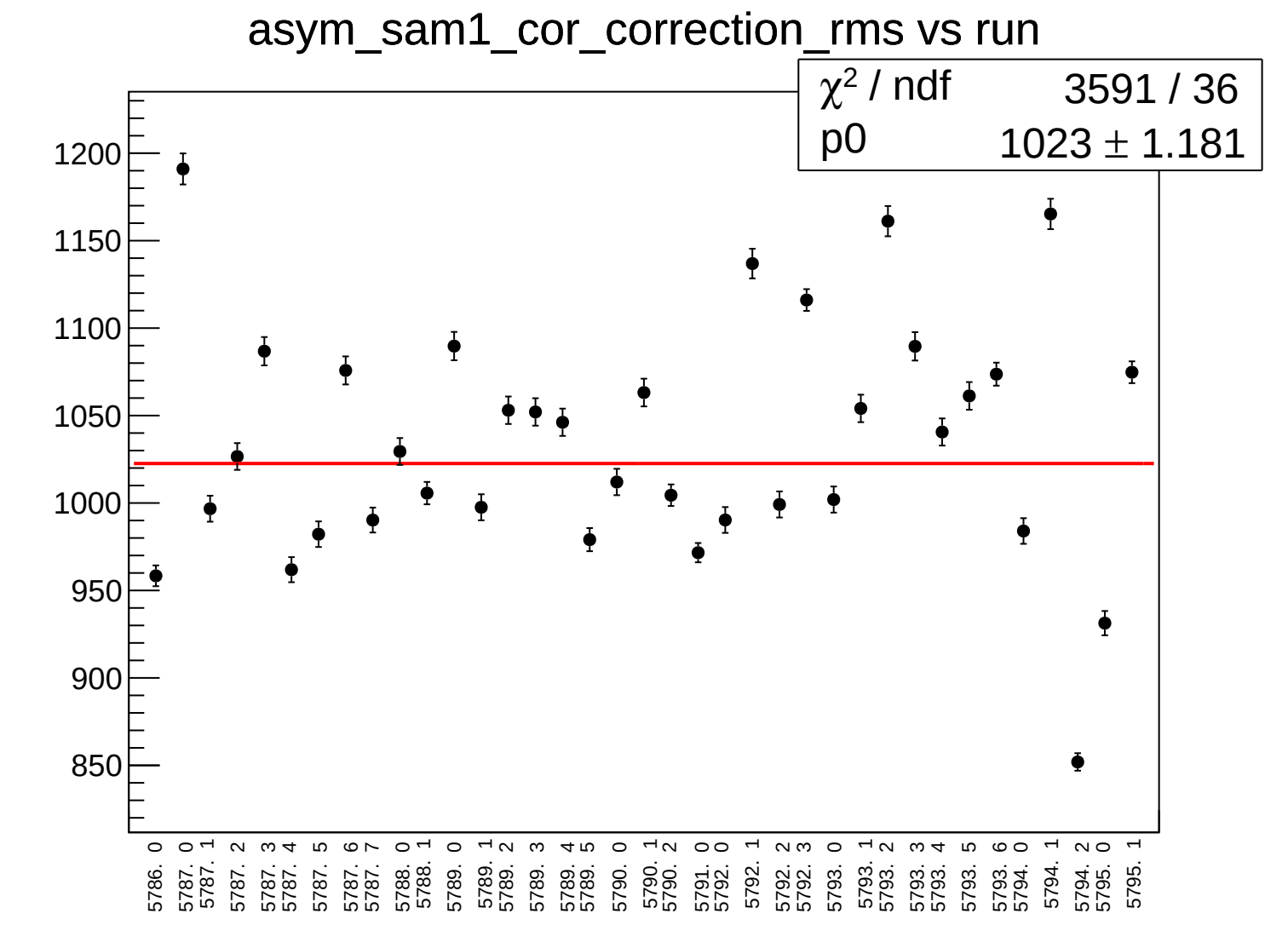

cor_asym_sam1_mean vs run
χ² / ndf 35.25 / 36
p0 111.5 ± 211.5
pull
Entries 37
Mean −137.5
Std Dev 0

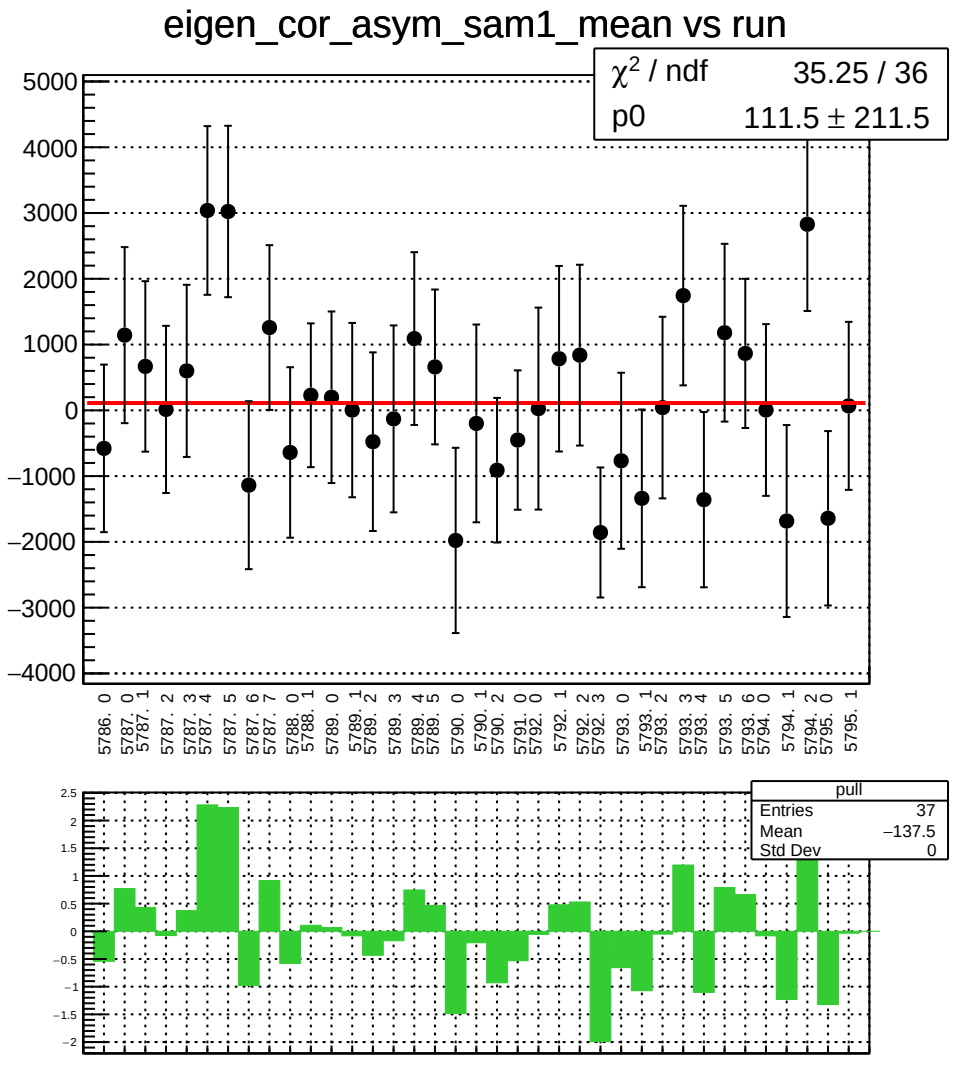

pull1D
Entries 37
Mean 0.01361
Std Dev 0.9759

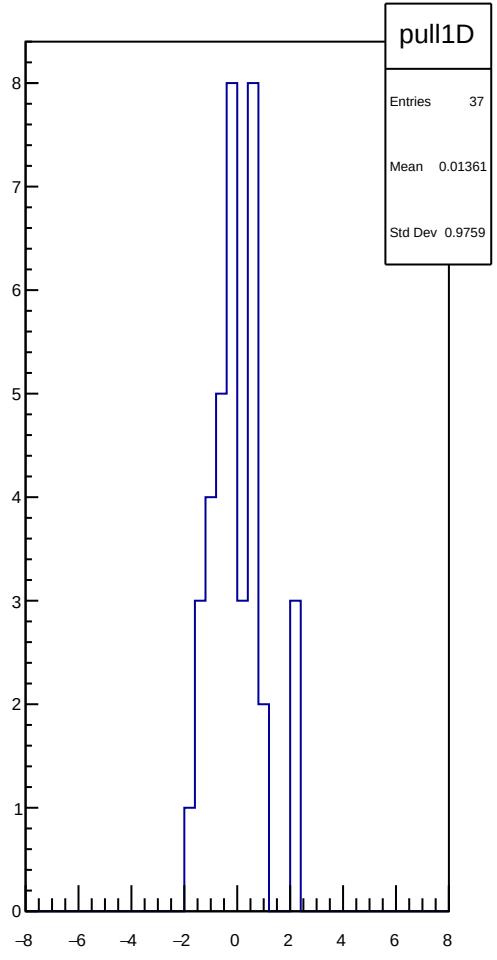

cor_asym_sam1_rms vs run
χ² / ndf 3534 / 36
p0 129.5 ± 0.1495
160
155
150
145
140
135
130
125
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

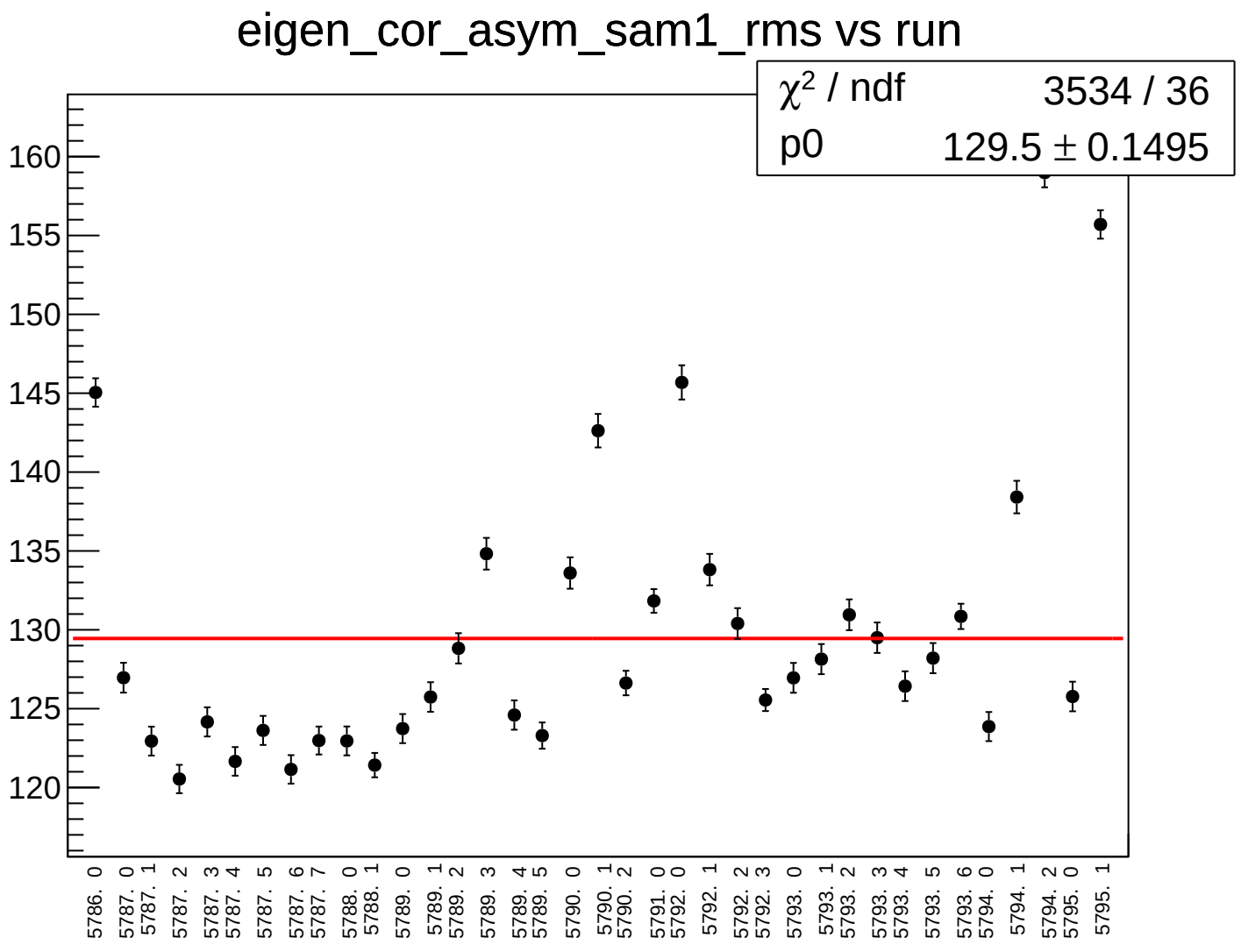

asym_sam1_cor_correction_mean vs run
χ² / ndf 41.24 / 36
p0 −558.3 ± 1671
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.8
Std Dev 9.809
2
1
0
−1
−2

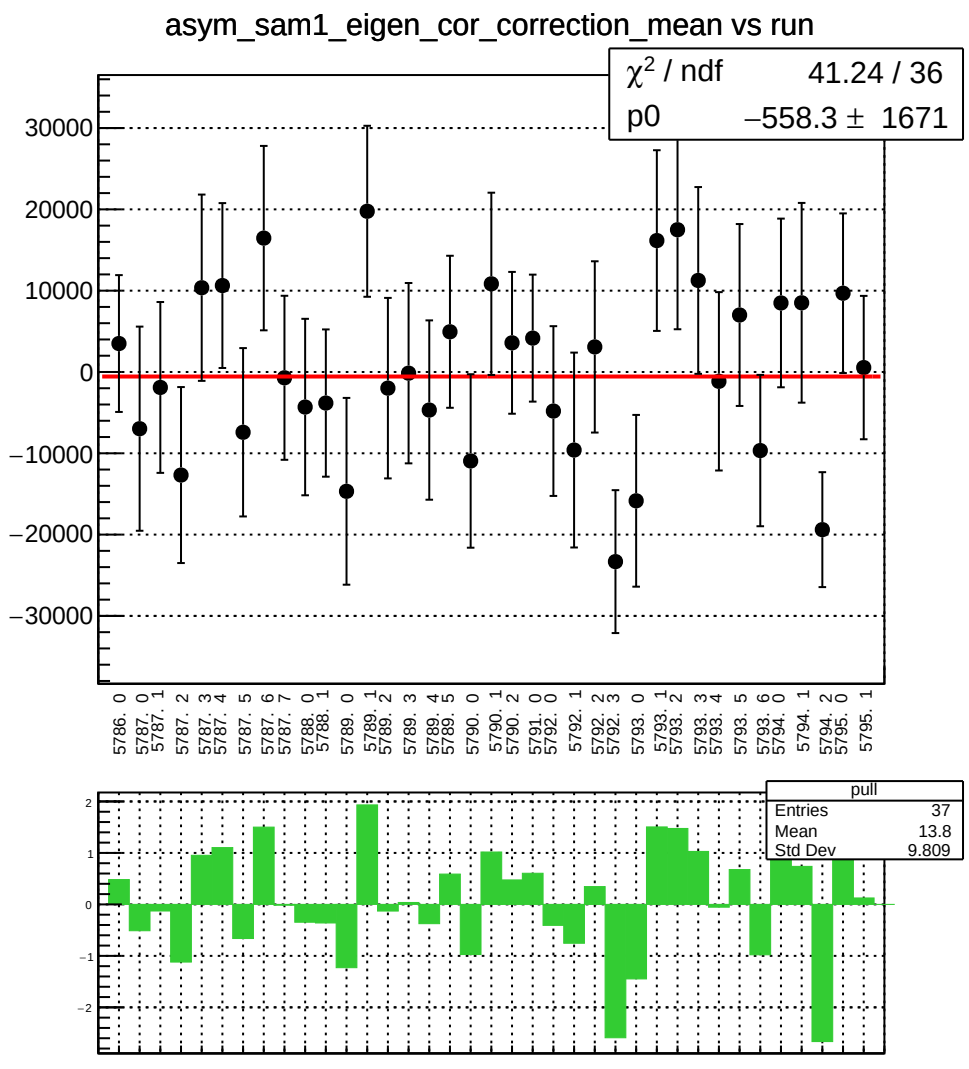

pull1D
Entries 37
Mean 0.04762
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

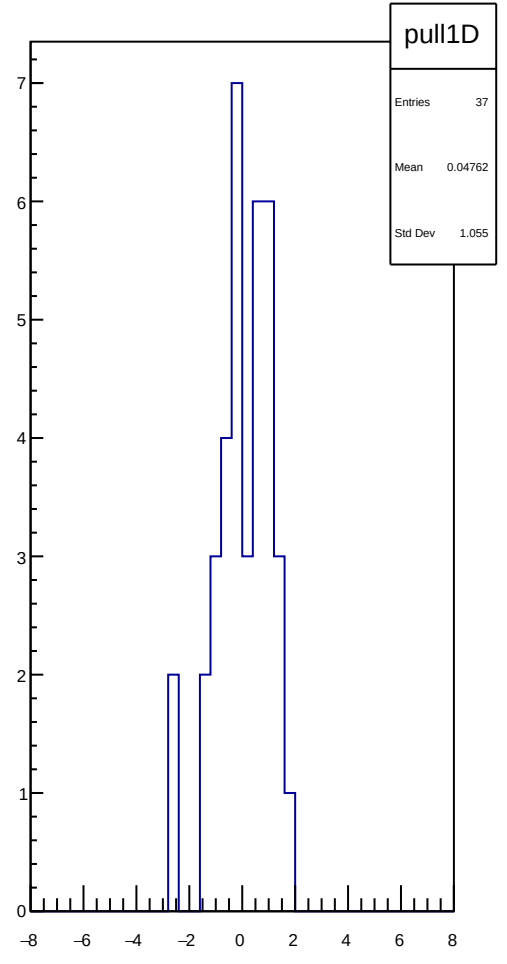

asym_sam1_cor_correction_rms vs run
χ² / ndf 3591 / 36
p0 1023 ± 1.181
1200
1150
1100
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

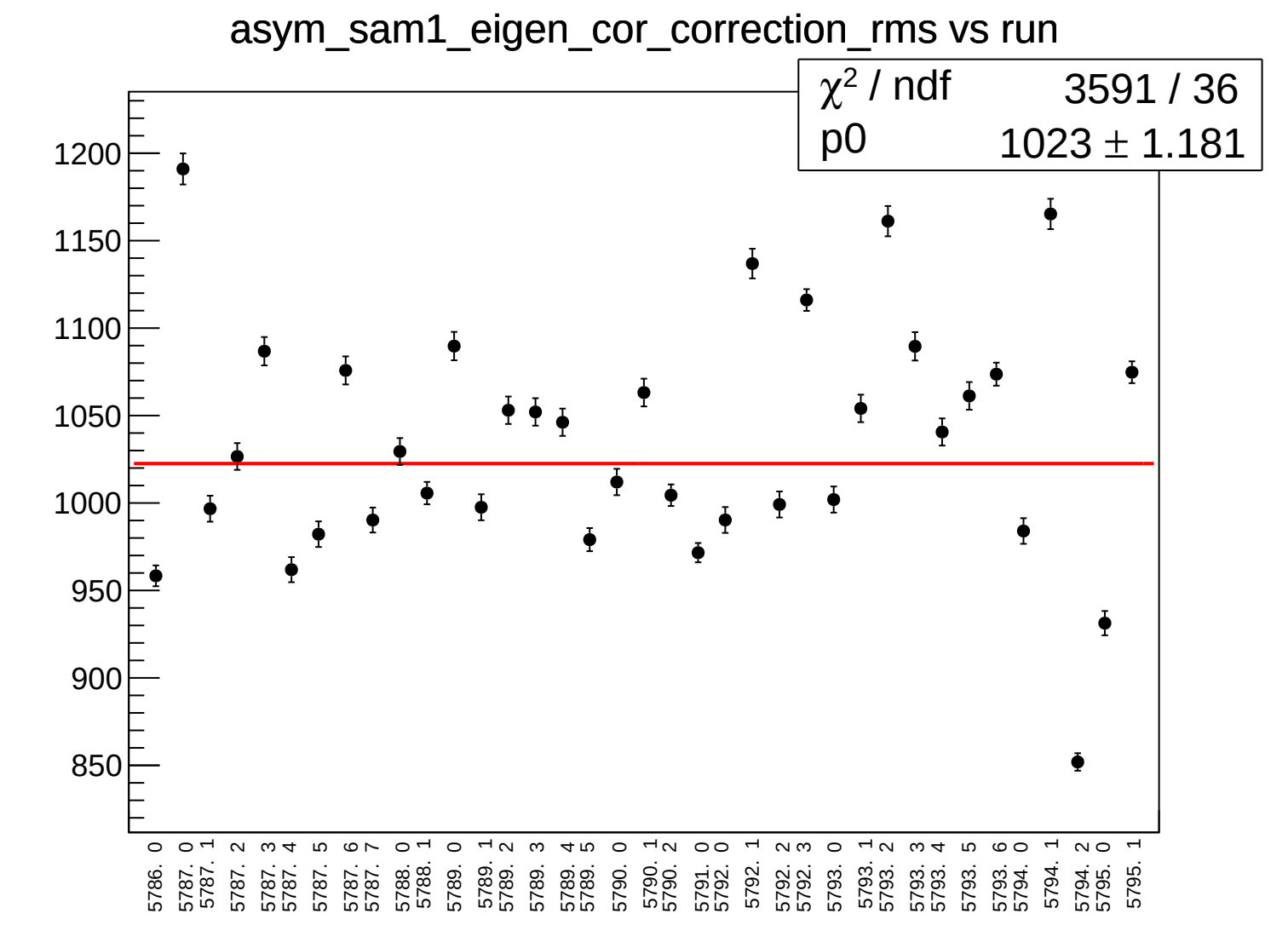

eigen_cor_asym_sam1_mean vs run
χ² / ndf 35.25 / 36
p0 111.5 ± 211.5
pull
Entries 37
Mean −137.5
Std Dev 0

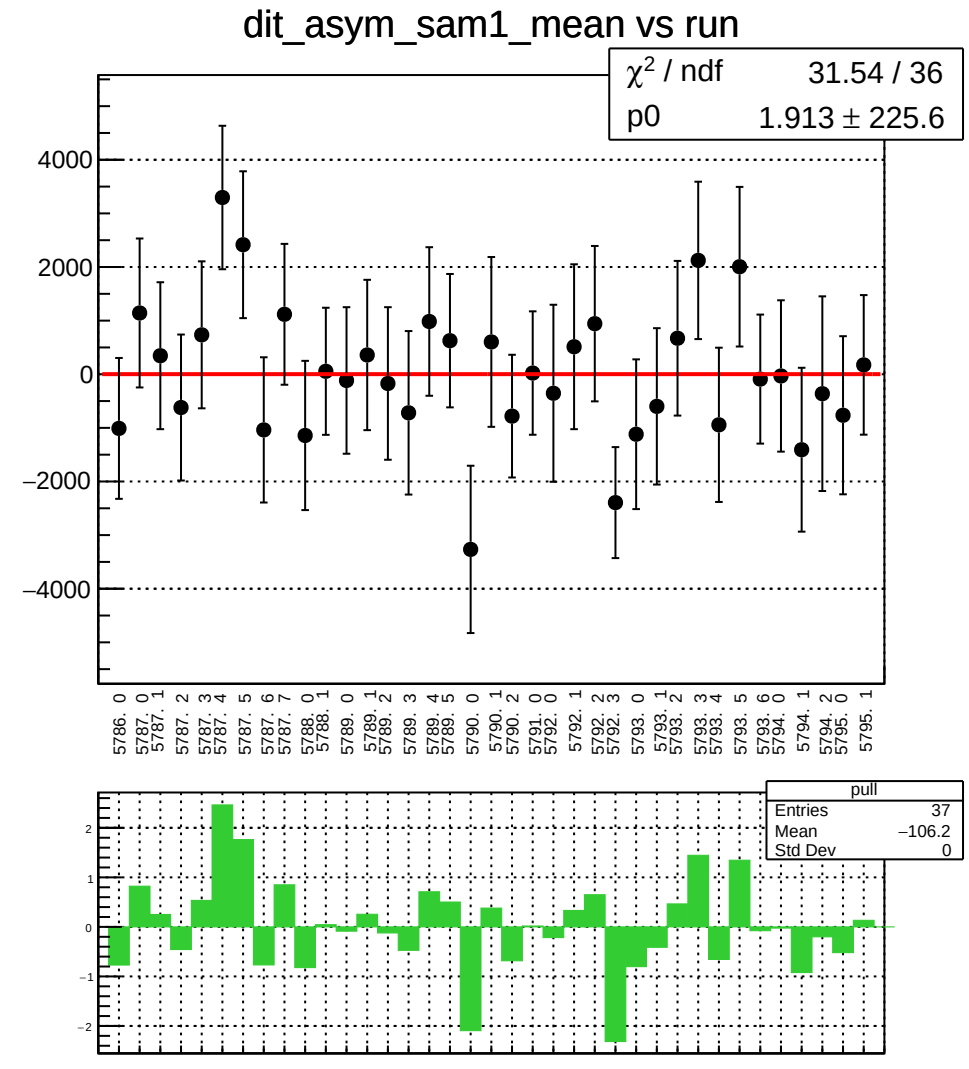

pull1D
Entries 37
Mean 0.01361
Std Dev 0.9759

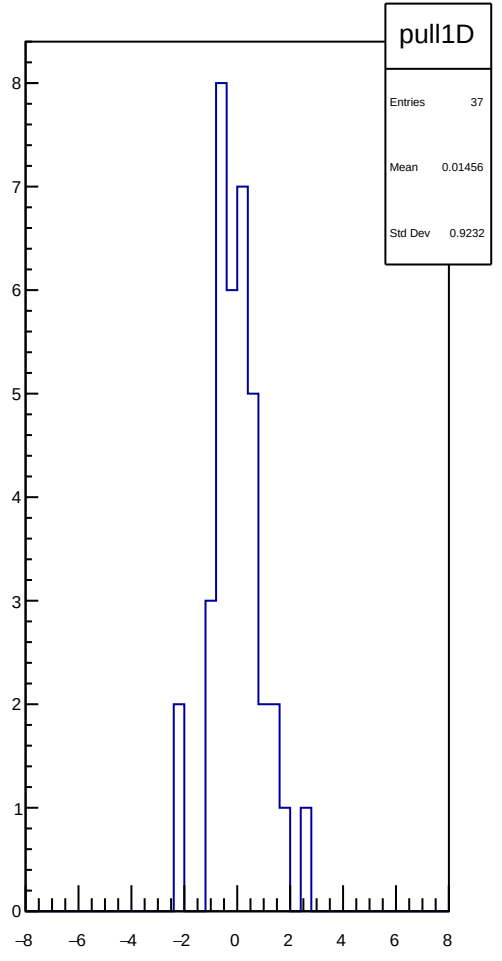

eigen_cor_asym_sam1_rms vs run
χ² / ndf 3534 / 36
p0 129.5 ± 0.1495
160
155
150
145
140
135
130
125
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

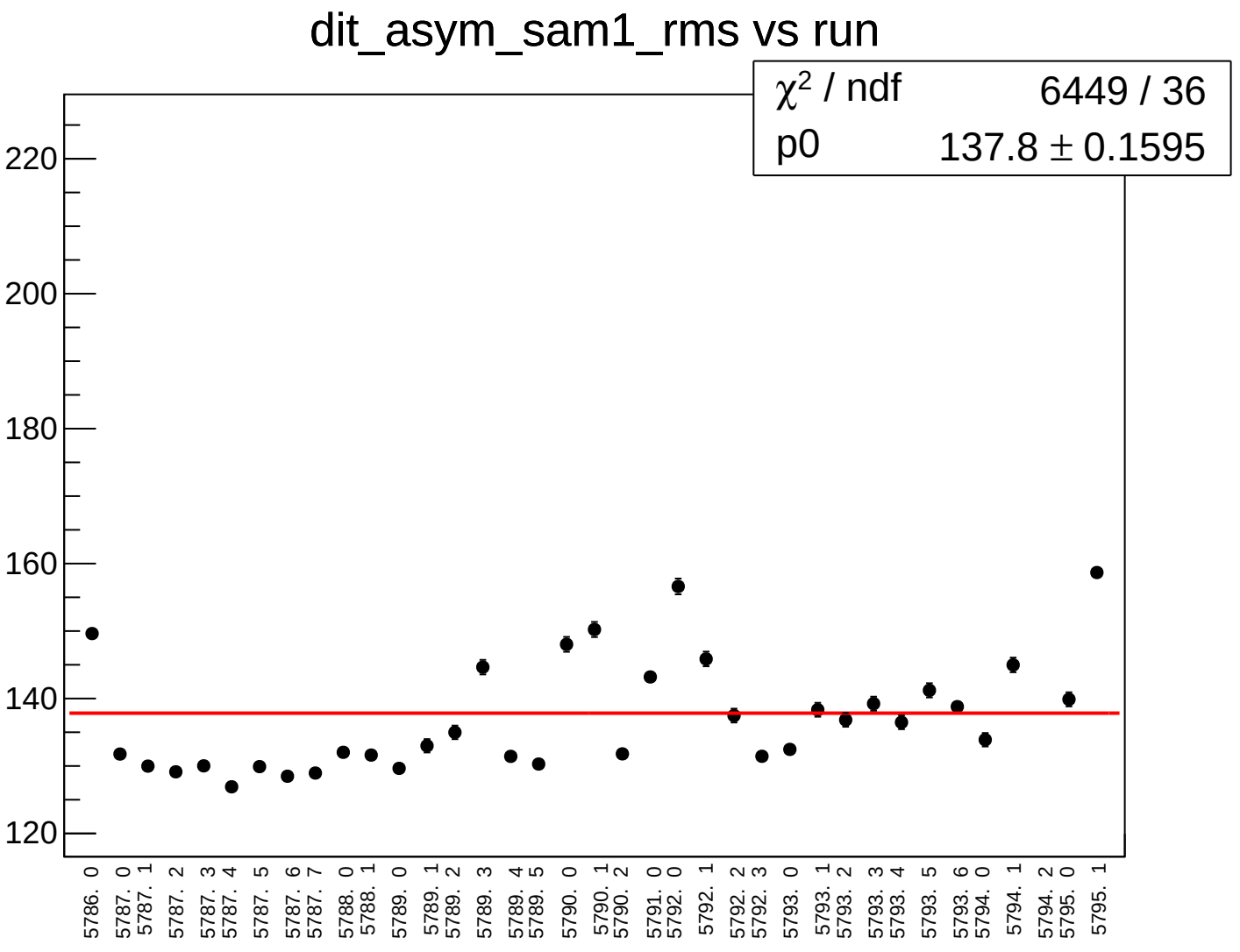

asym_sam1_eigen_cor_correction_mean vs run
χ² / ndf 41.24 / 36
p0 −558.3 ± 1671
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.8
Std Dev 9.809
2
1
0
−1
−2

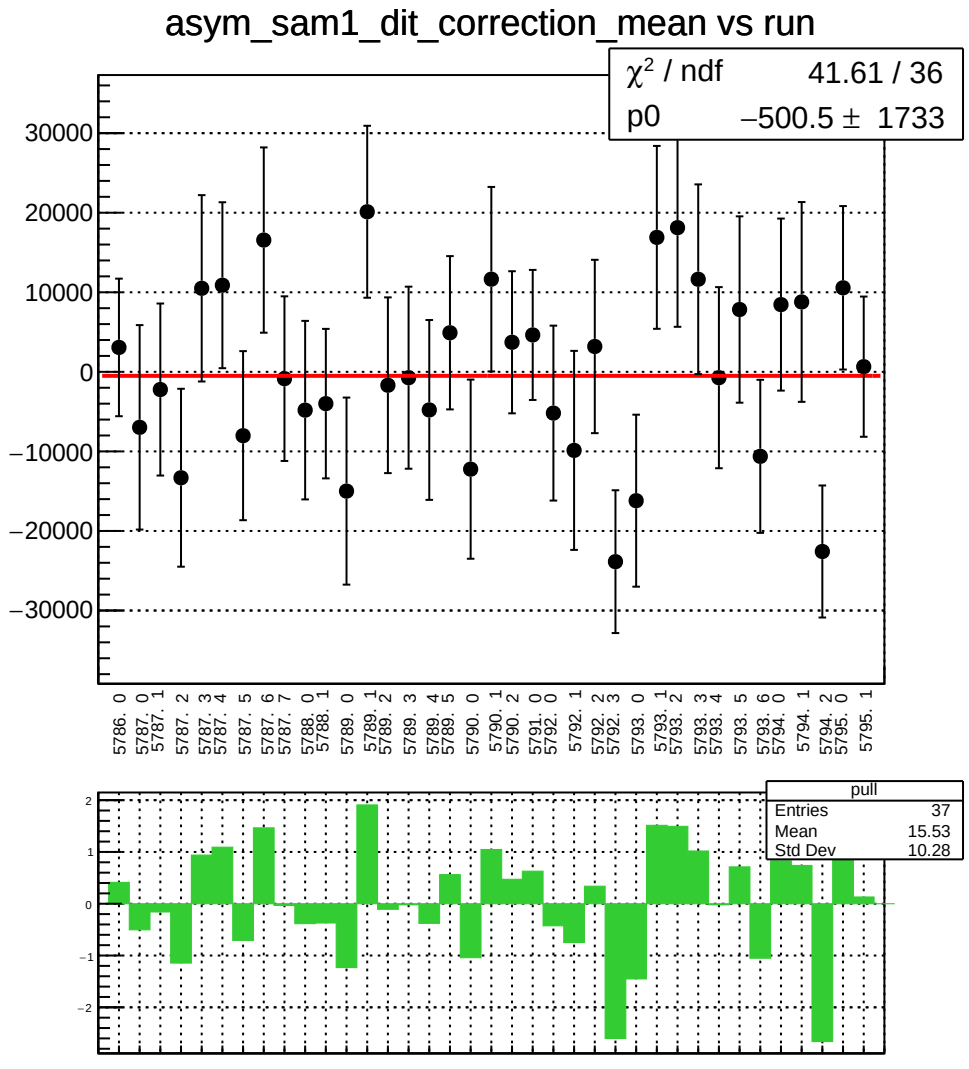

pull1D
Entries 37
Mean 0.04762
Std Dev 1.055
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

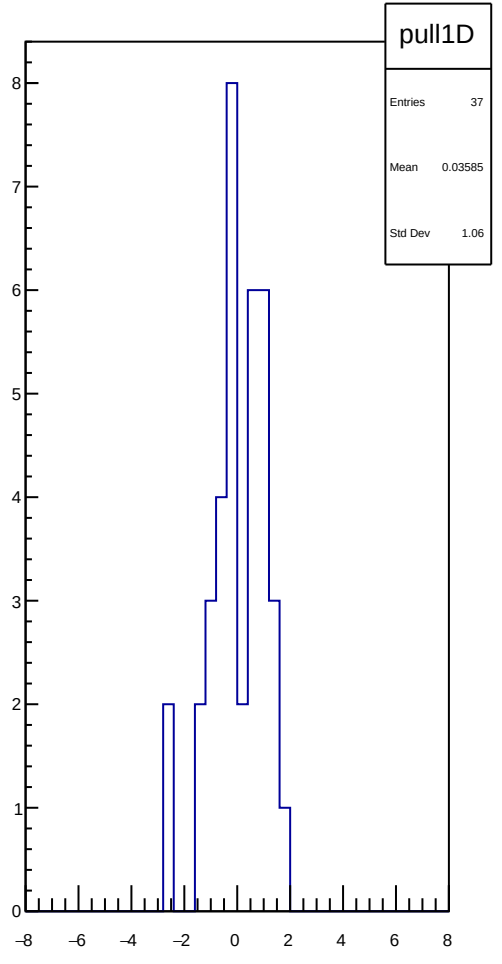

asym_sam1_eigen_cor_correction_rms vs run
χ² / ndf 3591 / 36
p0 1023 ± 1.181
1200
1150
1100
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

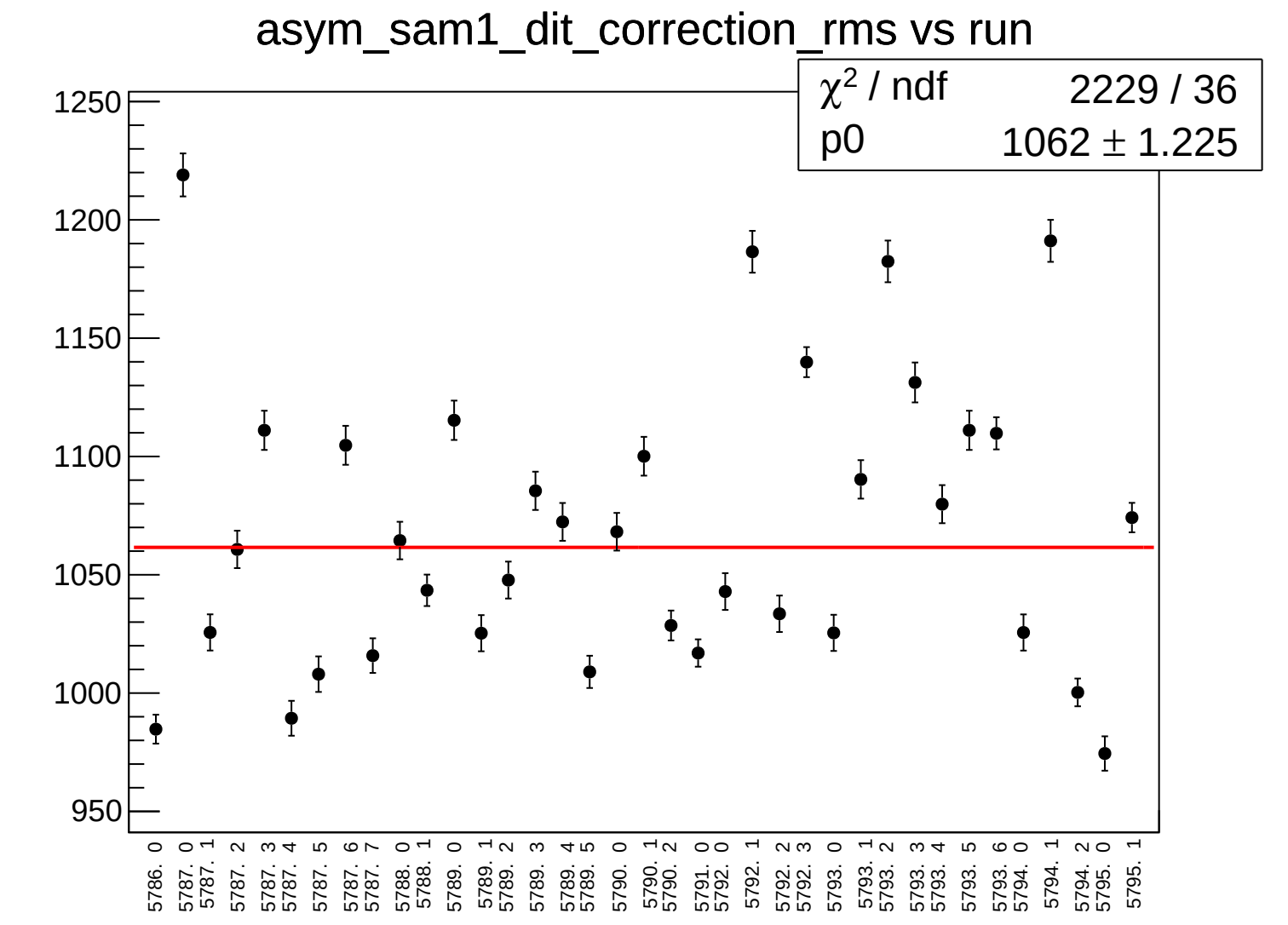

dit_asym_sam1_mean vs run
χ² / ndf 31.54 / 36
p0 1.913 ± 225.6
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −106.2
Std Dev 0
2
1
0
−1
−2

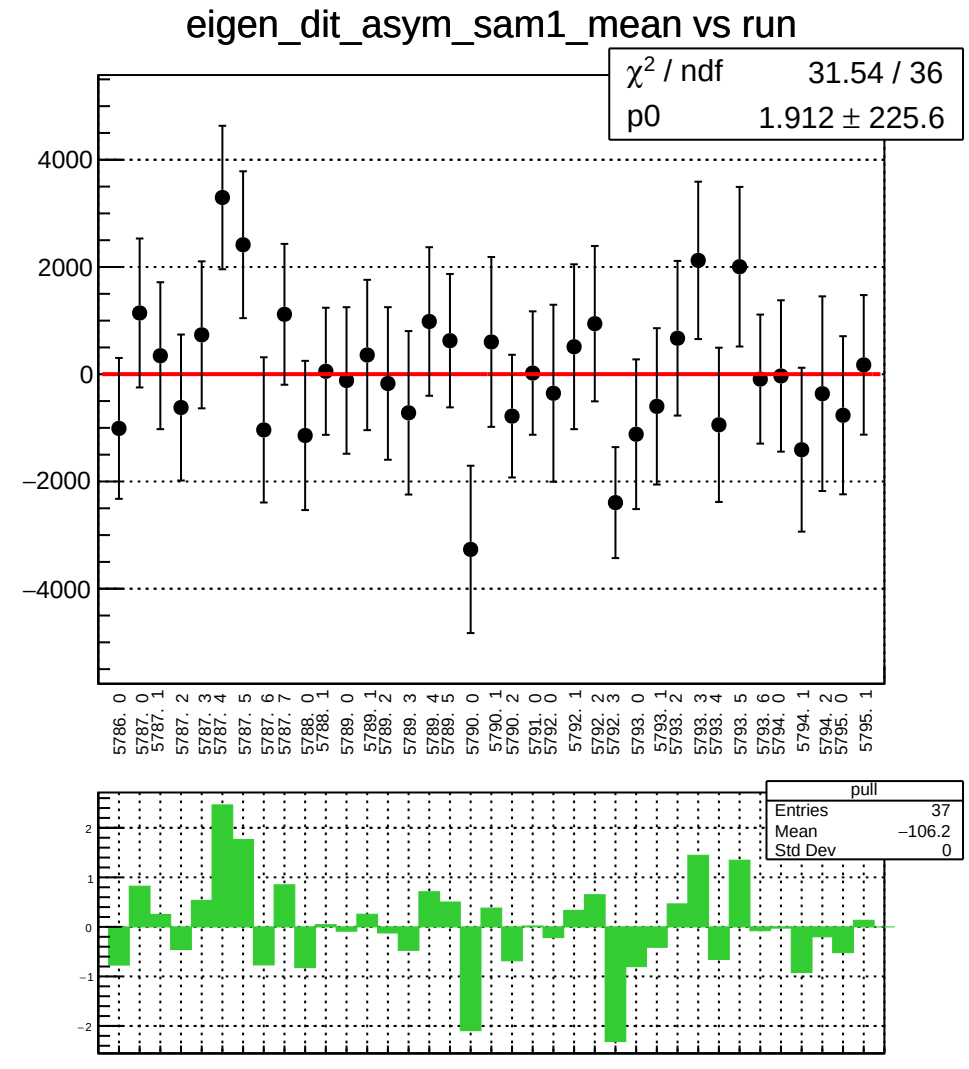

pull1D
Entries 37
Mean 0.01456
Std Dev 0.9232
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

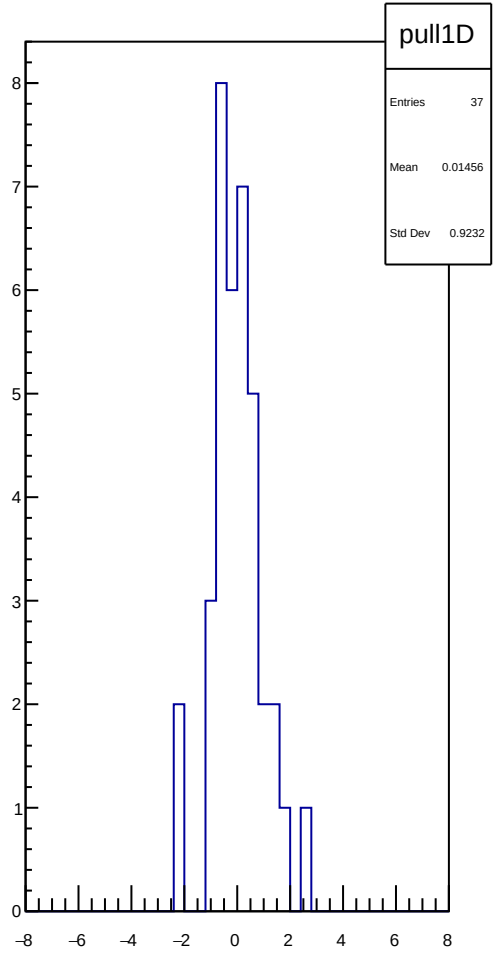

dit_asym_sam1_rms vs run
χ² / ndf 6449 / 36
p0 137.8 ± 0.1595
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

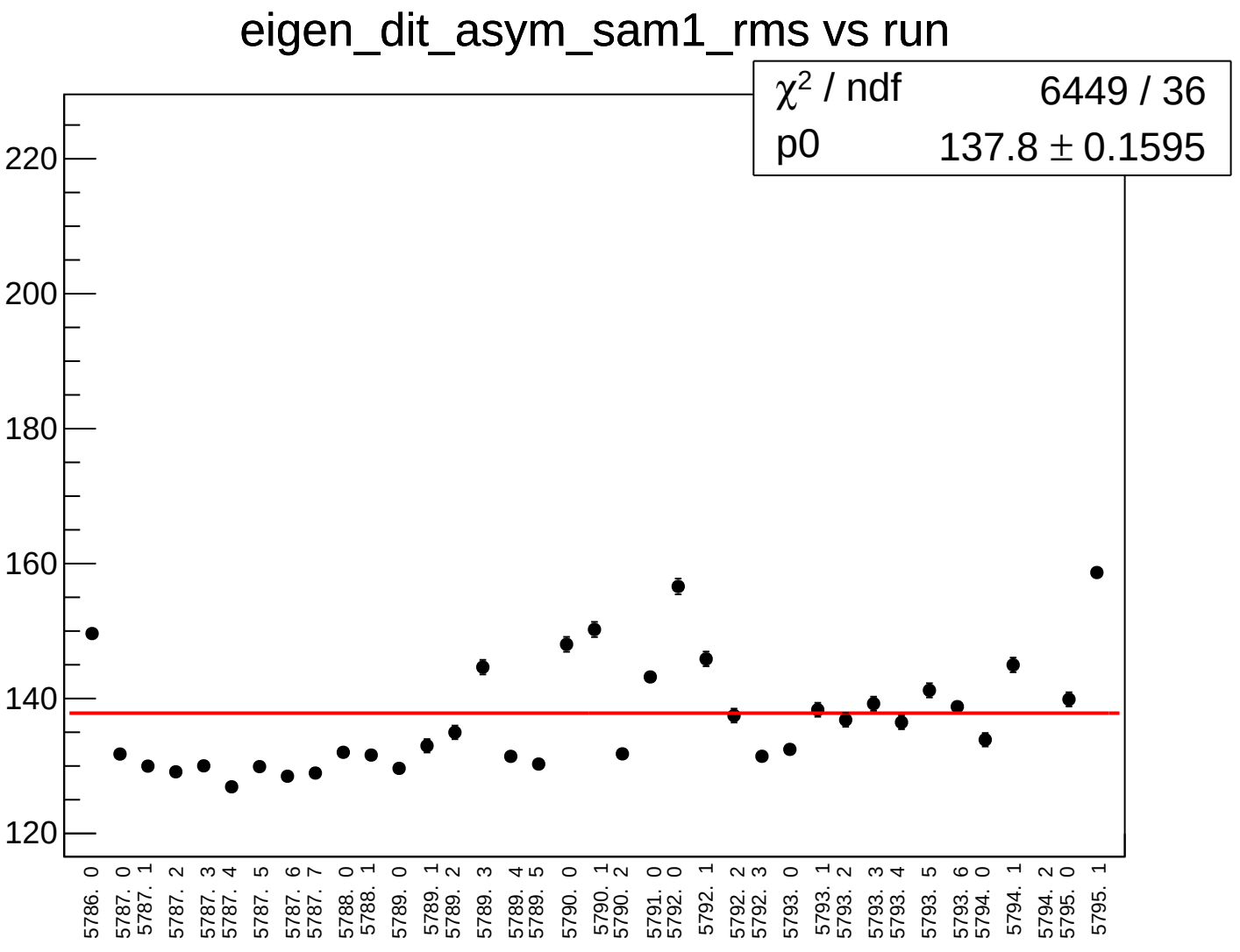

asym_sam1_dit_correction_mean vs run
χ² / ndf 41.61 / 36
p0 −500.5 ± 1733
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.53
Std Dev 10.28
2
1
0
−1
−2

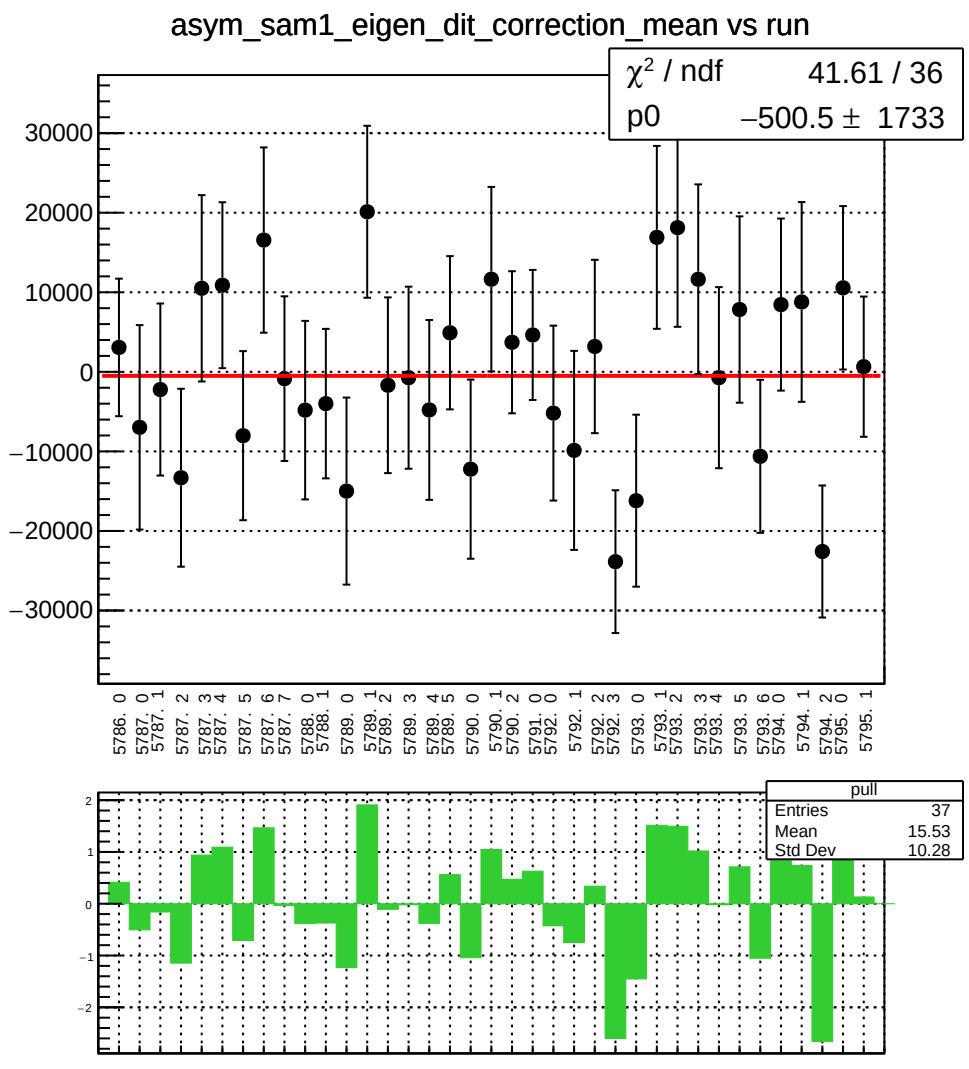

pull1D
Entries 37
Mean 0.03585
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

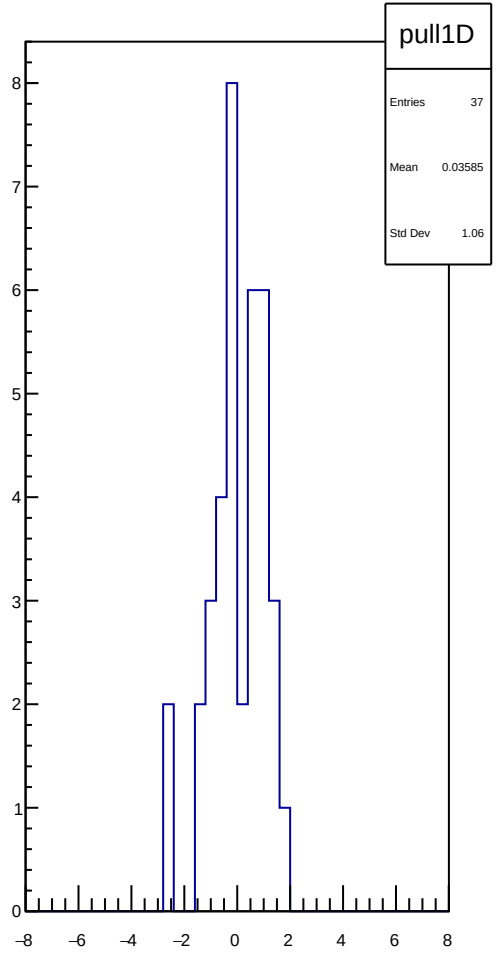

asym_sam1_dit_correction_rms vs run
χ² / ndf 2229 / 36
p0 1062 ± 1.225
1250
1200
1150
1100
1050
1000
950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

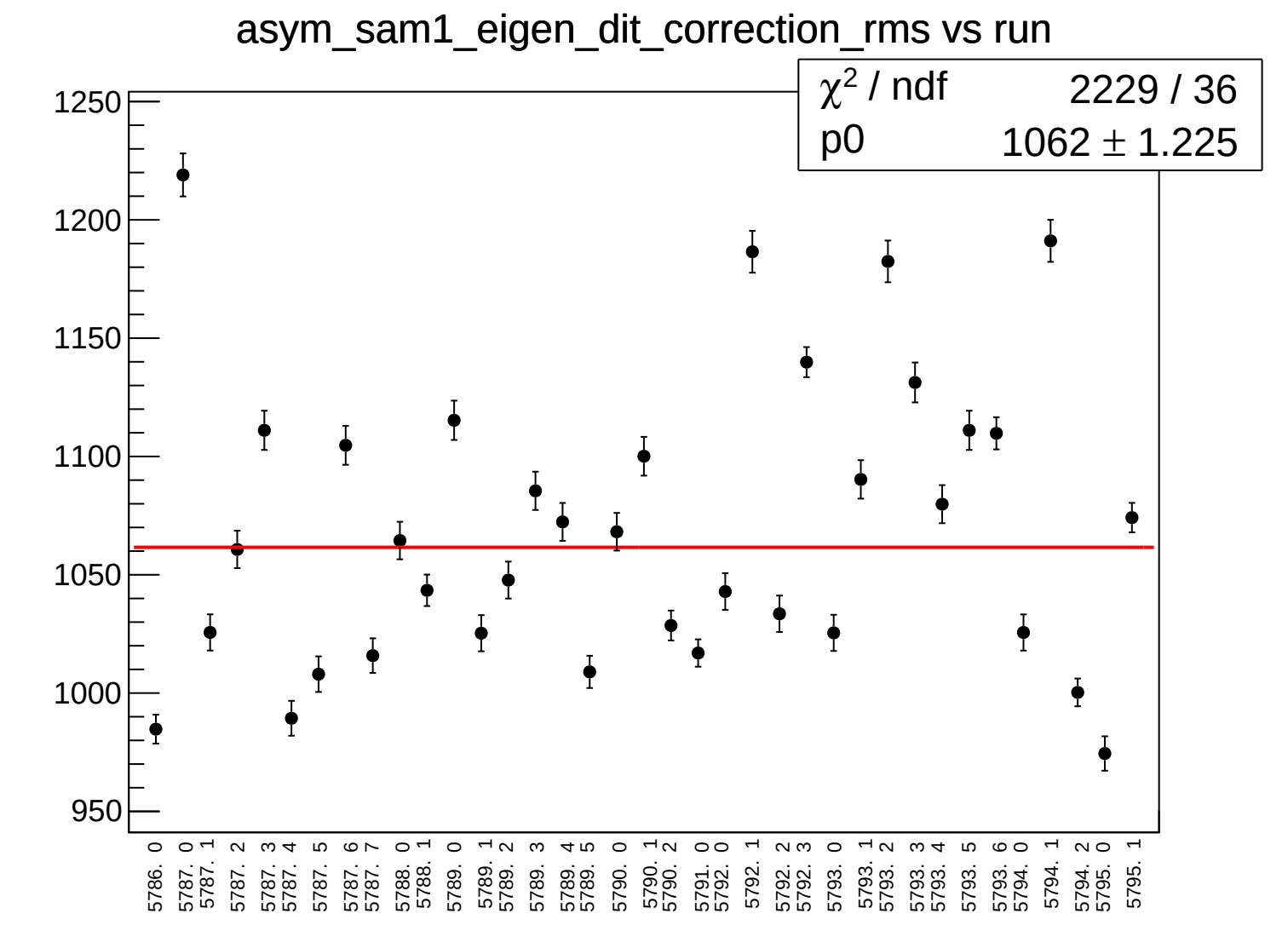

eigen_dit_asym_sam1_mean vs run
χ² / ndf 31.54 / 36
p0 1.912 ± 225.6
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −106.2
Std Dev 0
2
1
0
−1
−2

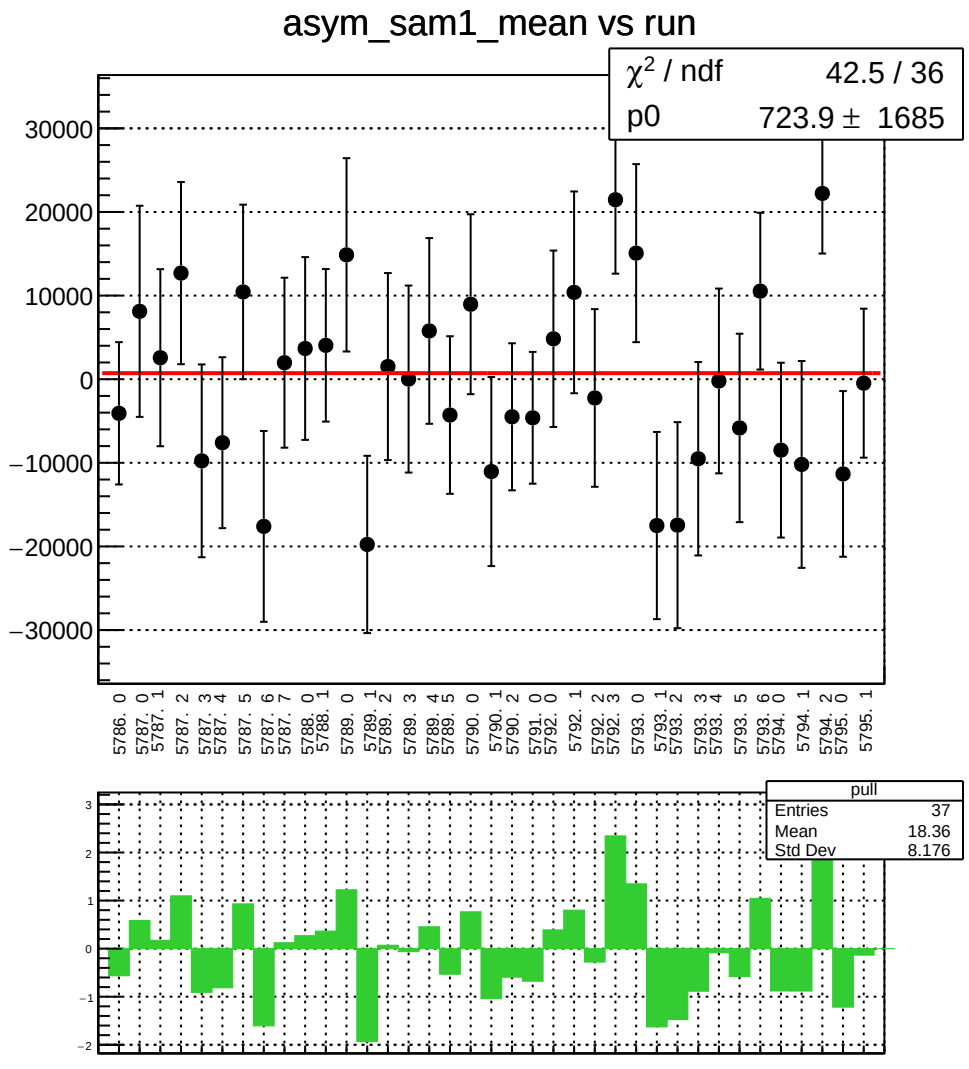

pull1D
Entries 37
Mean 0.01456
Std Dev 0.9232
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

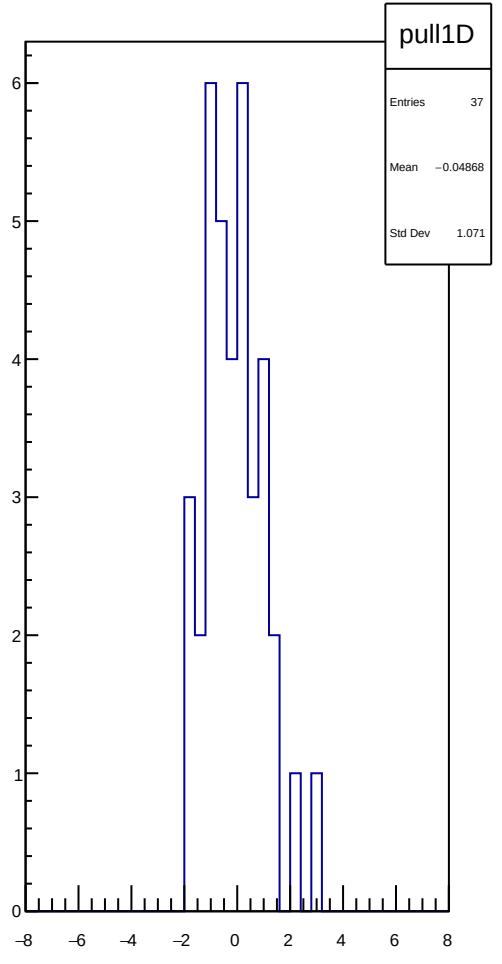

eigen_dit_asym_sam1_rms vs run
χ² / ndf 6449 / 36
p0 137.8 ± 0.1595
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

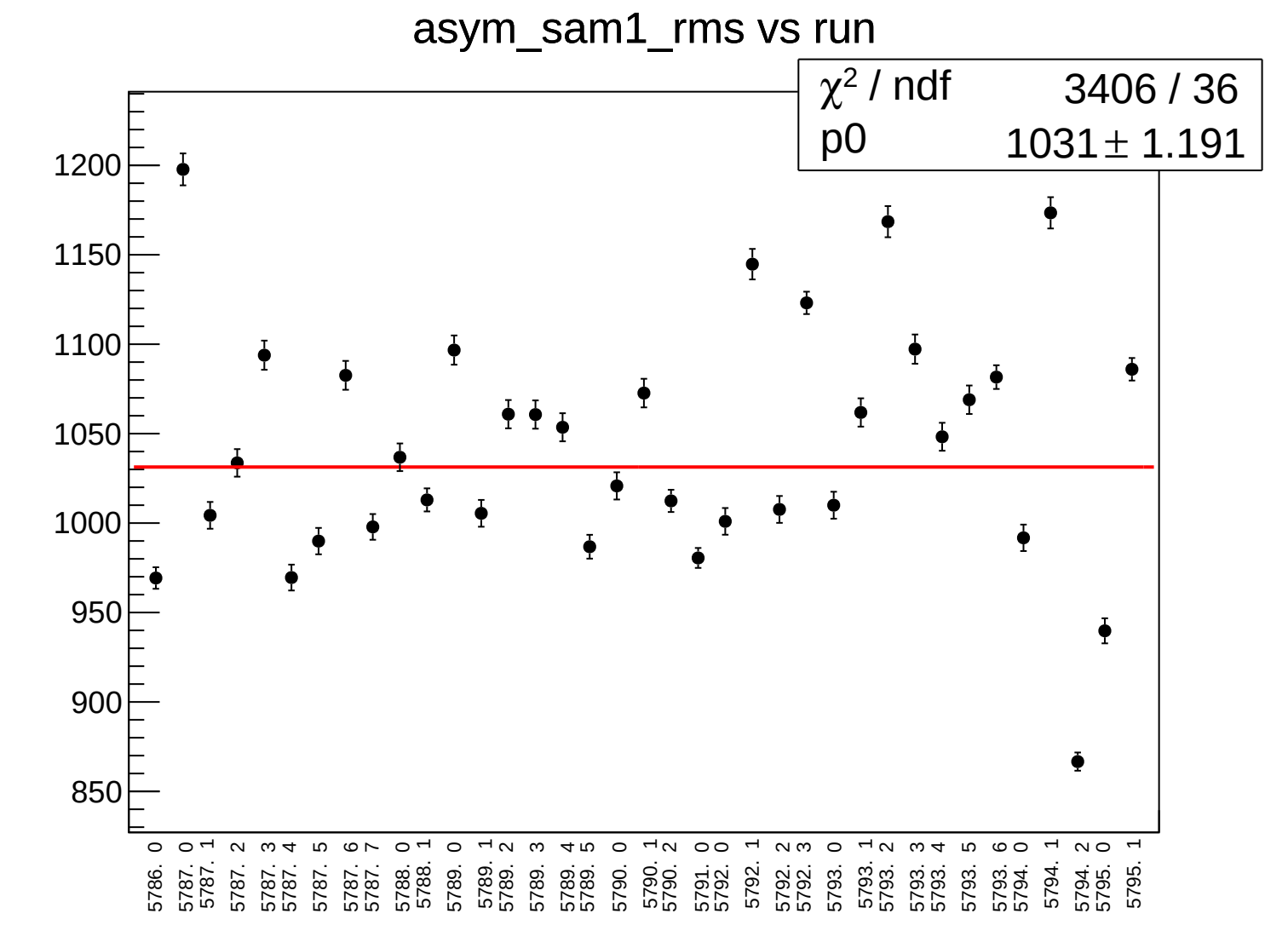

asym_sam1_eigen_dit_correction_mean vs run
χ² / ndf 41.61 / 36
p0 −500.5 ± 1733
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 15.53
Std Dev 10.28
2
1
0
−1
−2

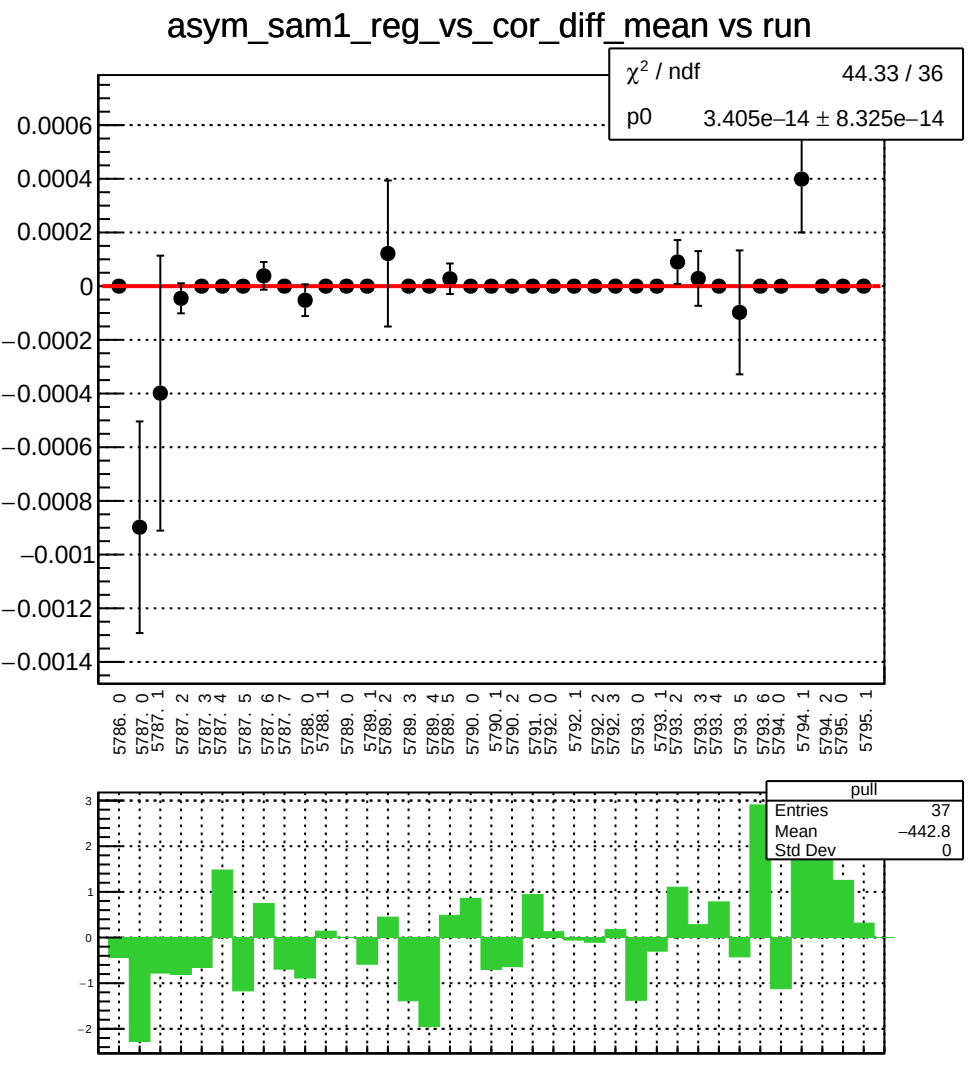

pull1D
Entries 37
Mean 0.03585
Std Dev 1.06
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

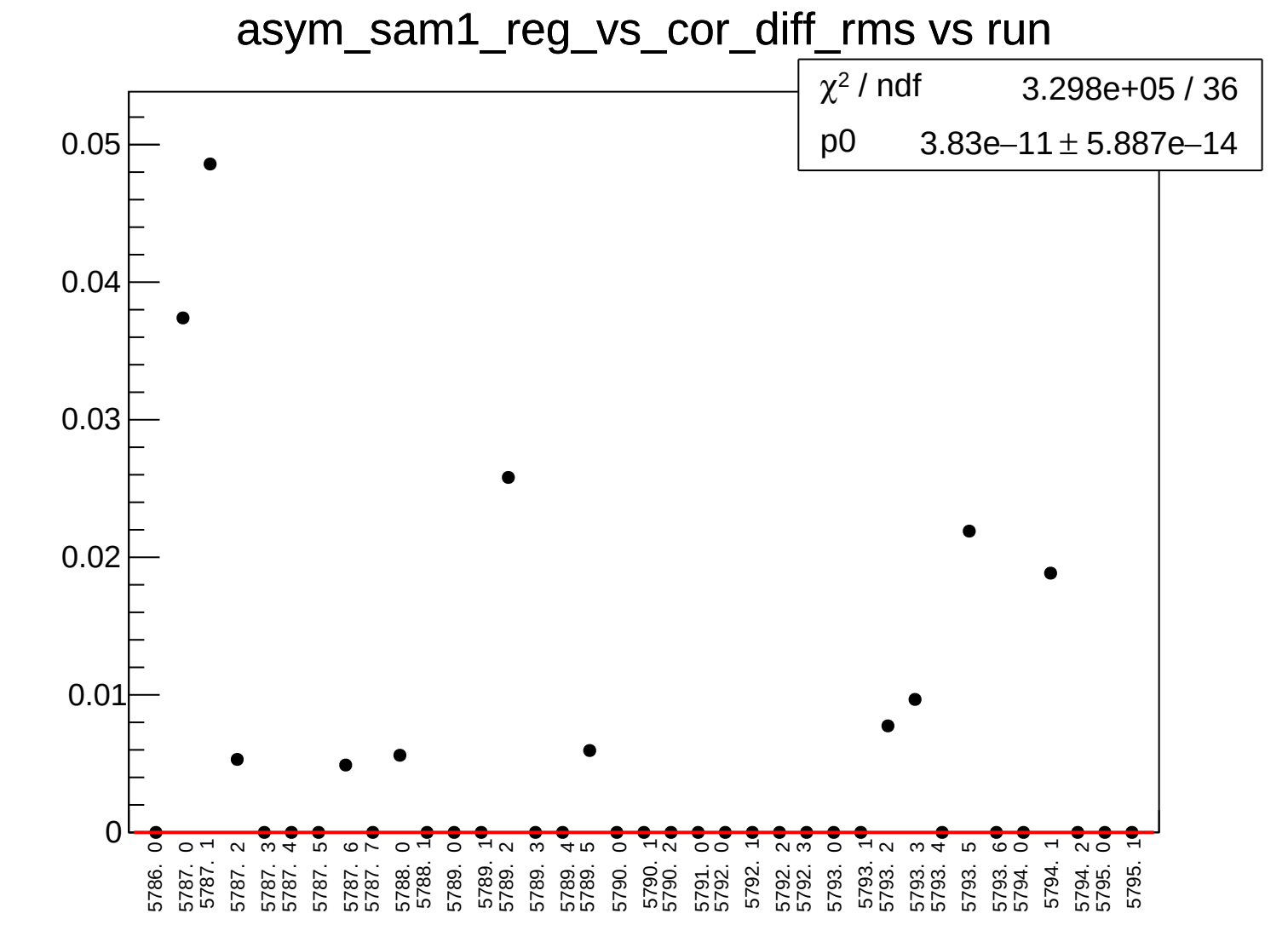

asym_sam1_eigen_dit_correction_rms vs run
χ² / ndf 2229 / 36
p0 1062 ± 1.225
1250
1200
1150
1100
1050
1000
950
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam1_mean vs run
χ² / ndf 42.5 / 36
p0 723.9 ± 1685
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.36
Std Dev 8.176
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.04868
Std Dev 1.071
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_rms vs run
χ² / ndf 3406 / 36
p0 1031 ± 1.191
1200
1150
1100
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam1_reg_vs_cor_diff_mean vs run
χ² / ndf 44.33 / 36
p0 3.405e−14 ± 8.325e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
−0.0014
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −442.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01208
Std Dev 1.095
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam1_reg_vs_cor_diff_rms vs run
χ² / ndf 3.298e+05 / 36
p0 3.83e−11 ± 5.887e−14
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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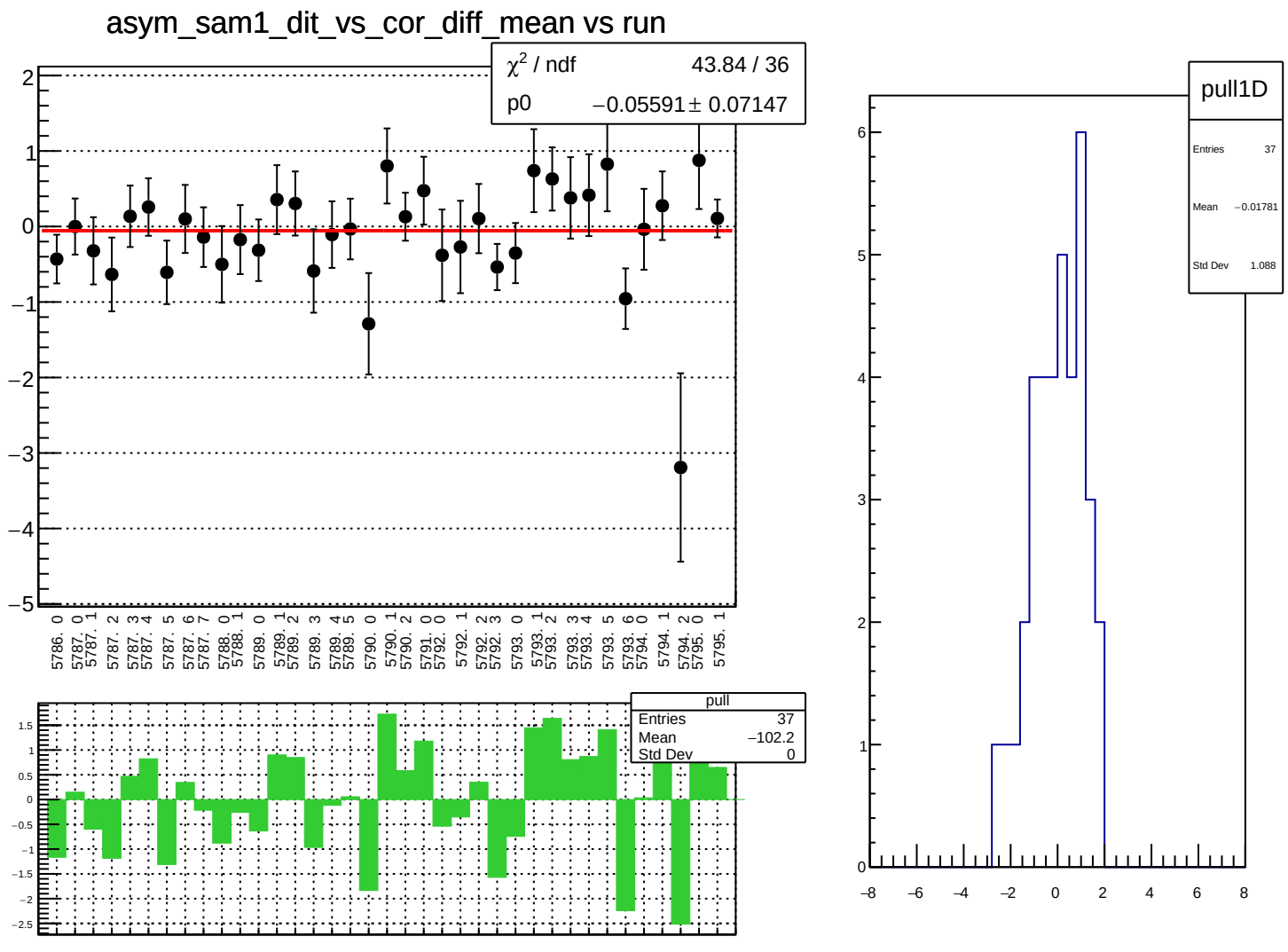
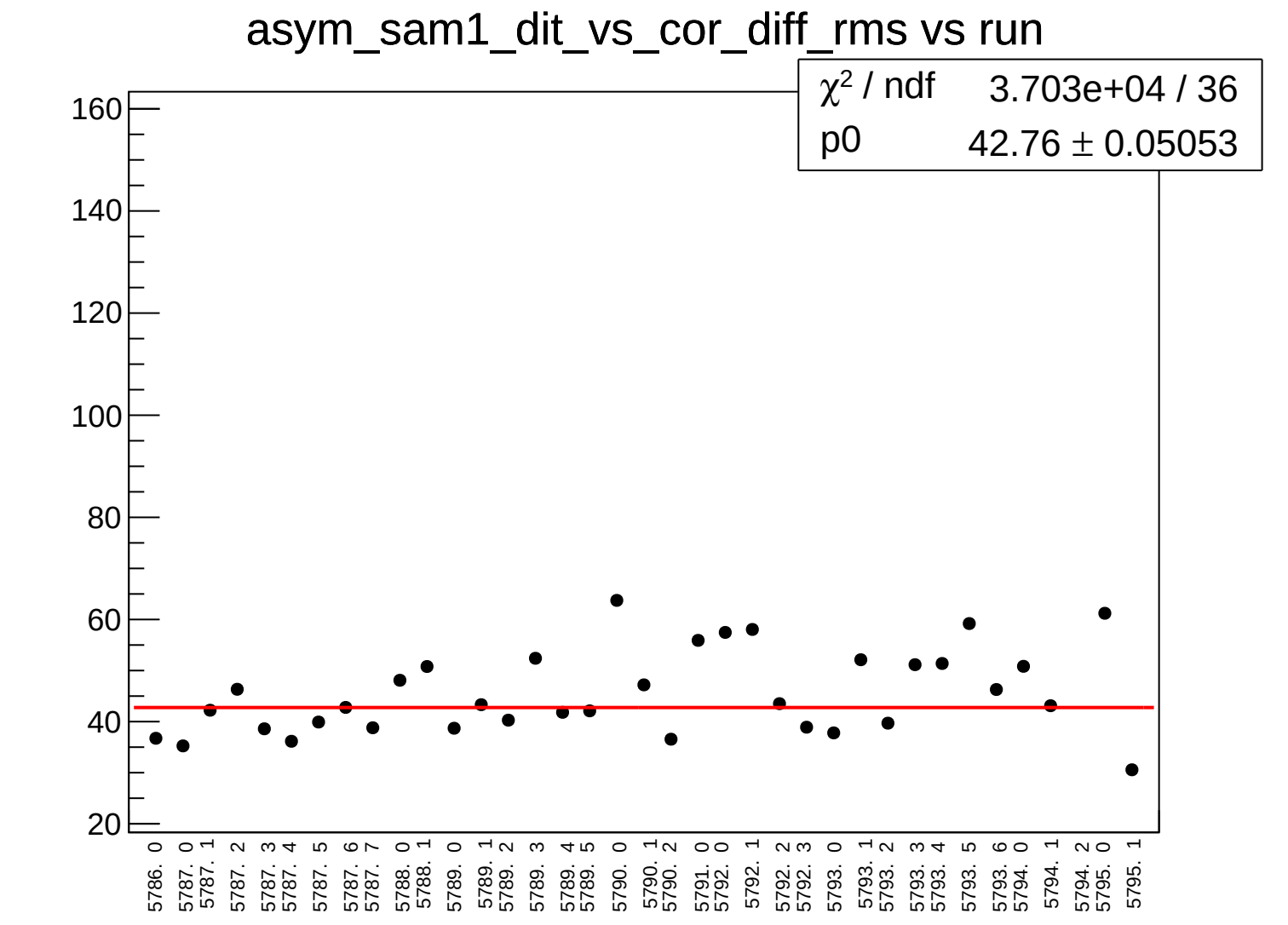
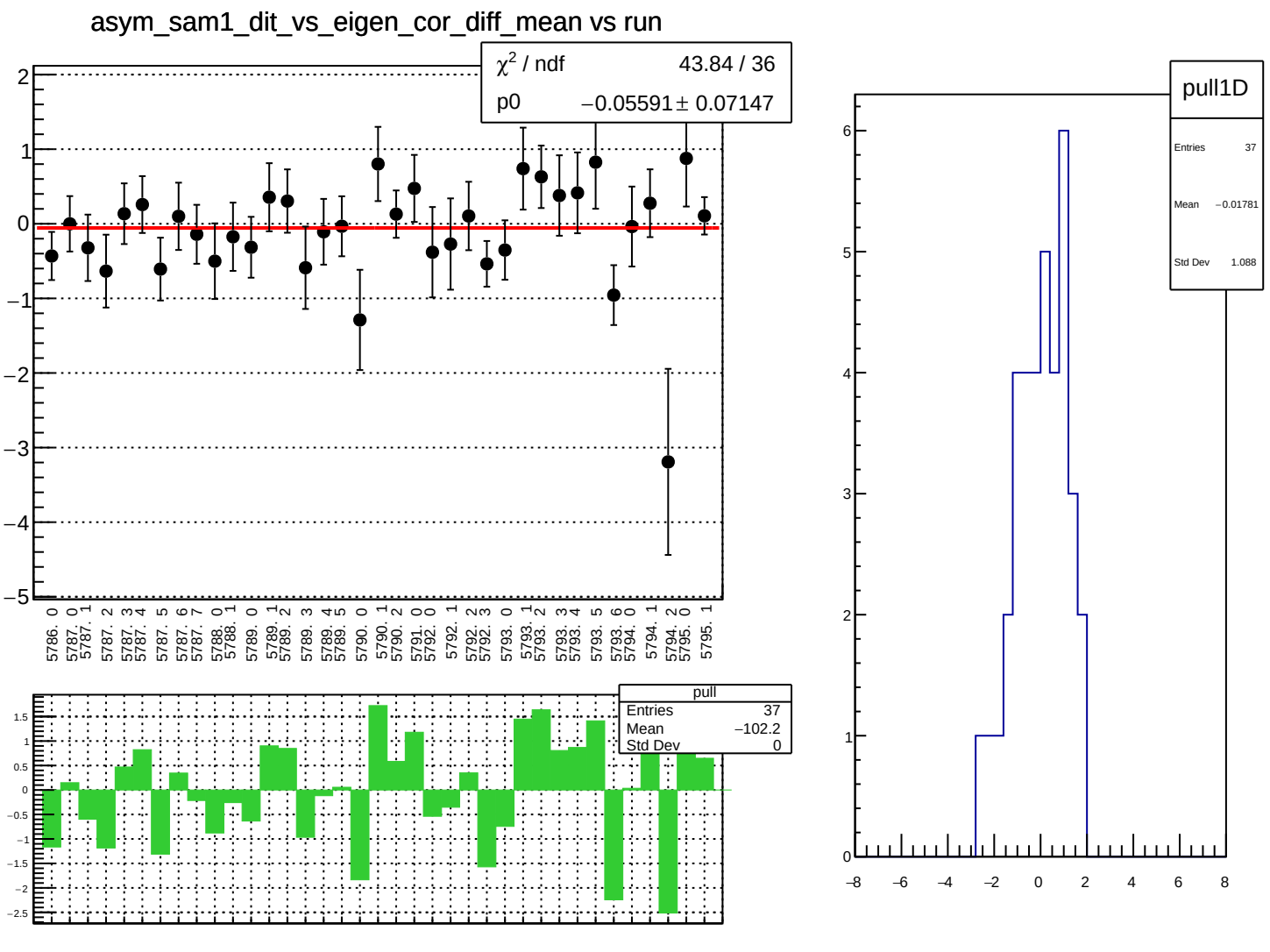
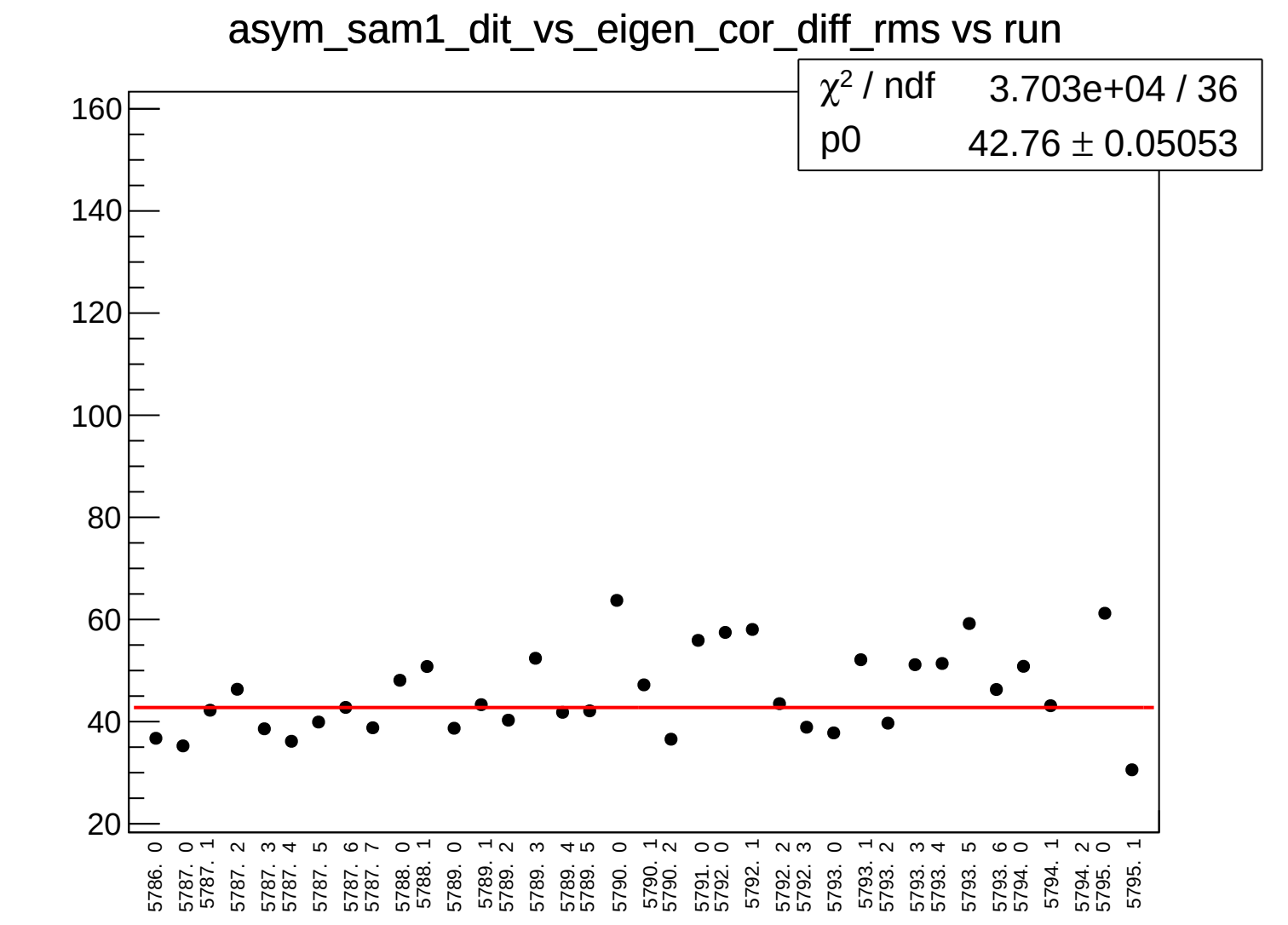
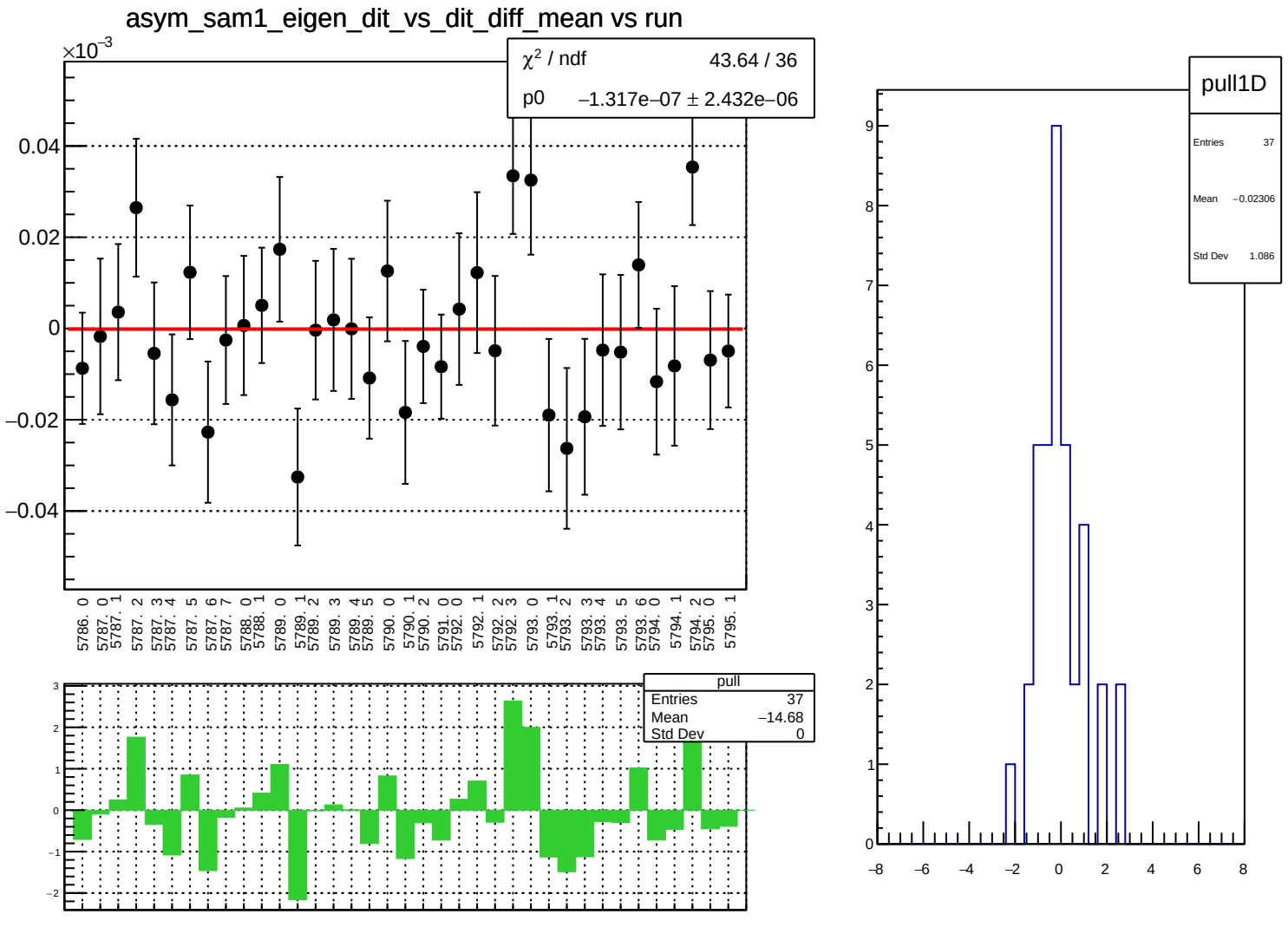
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

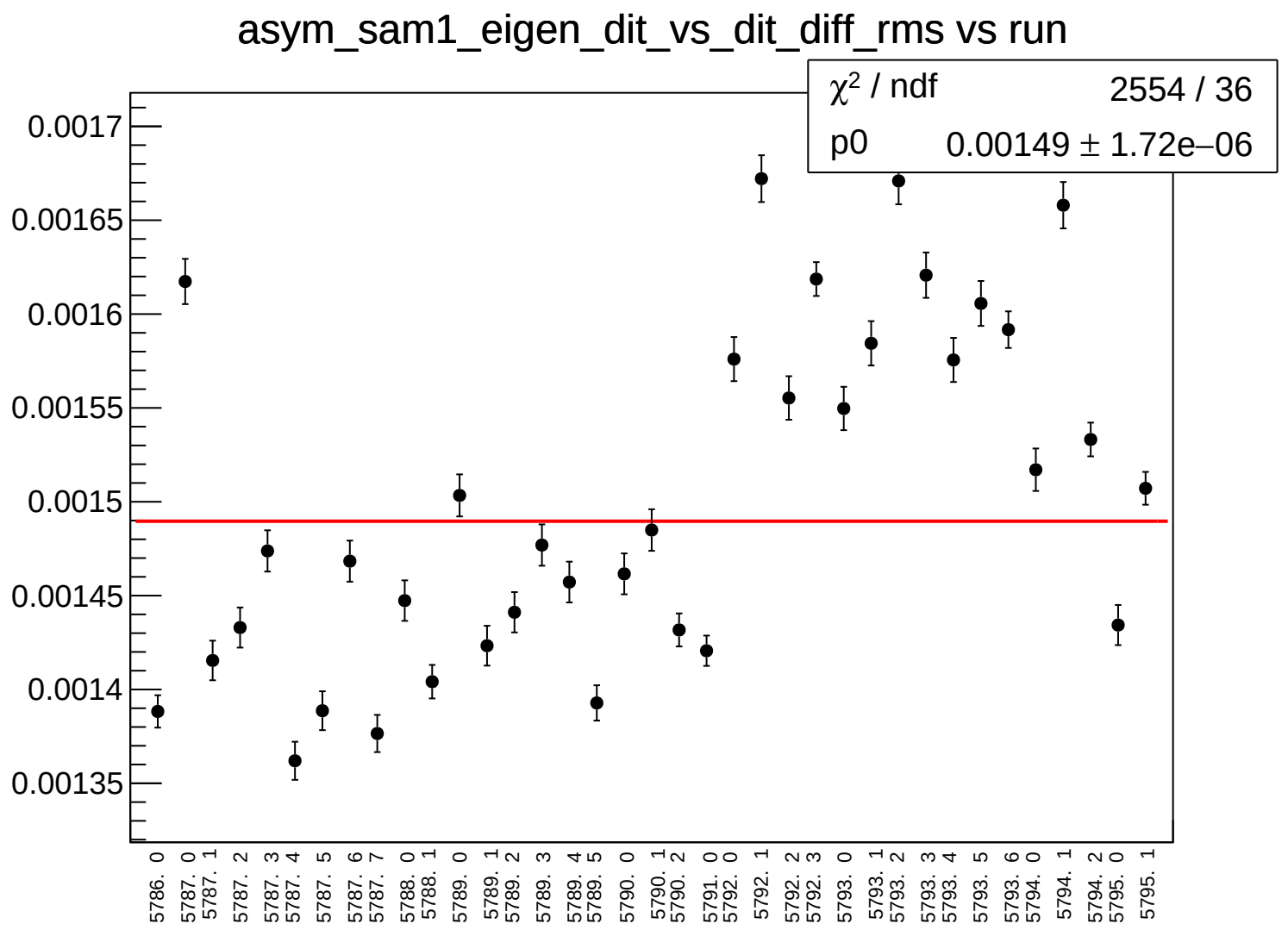

asym_sam1_dit_vs_cor_diff_mean vs run
χ² / ndf 43.84 / 36
p0 −0.05591 ± 0.07147
pull
Entries 37
Mean −102.2
Std Dev 0
pull1D
Entries 37
Mean −0.01781
Std Dev 1.088

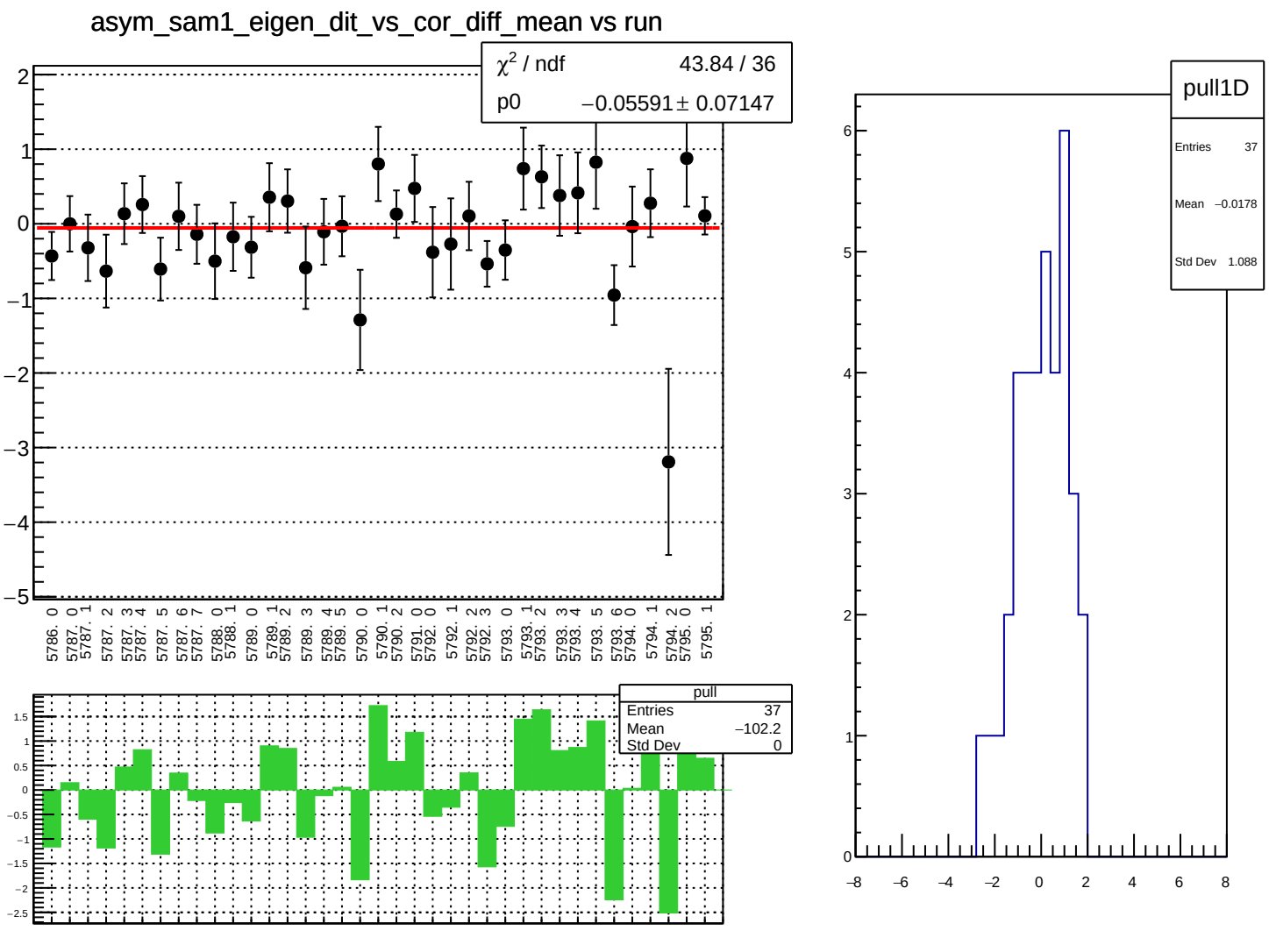

asym_sam1_dit_vs_cor_diff_rms vs run
χ² / ndf 3.703e+04 / 36
p0 42.76 ± 0.05053
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

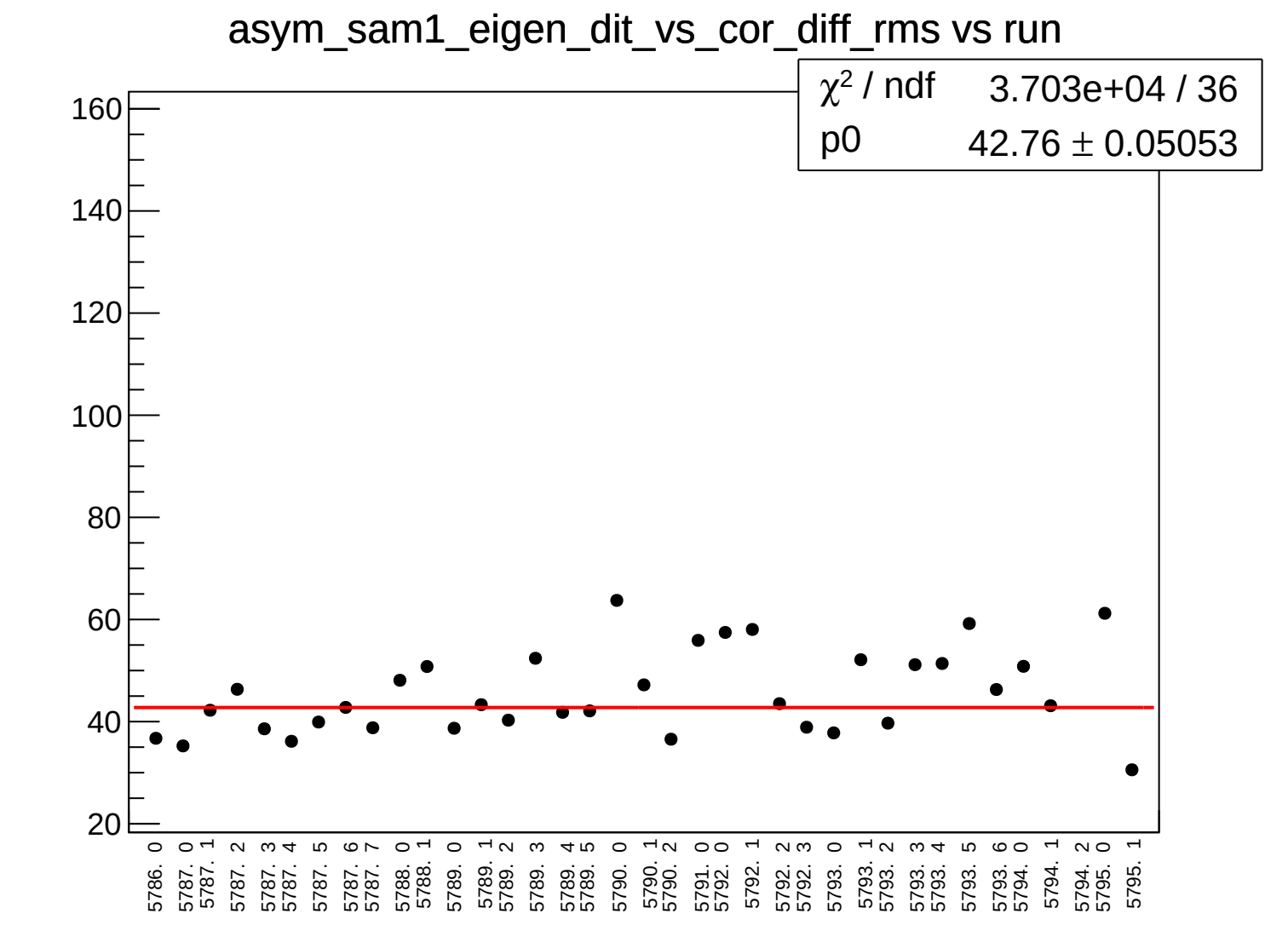

asym_sam1_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.84 / 36
p0 −0.05591 ± 0.07147
pull
Entries 37
Mean −102.2
Std Dev 0
pull1D
Entries 37
Mean −0.01781
Std Dev 1.088

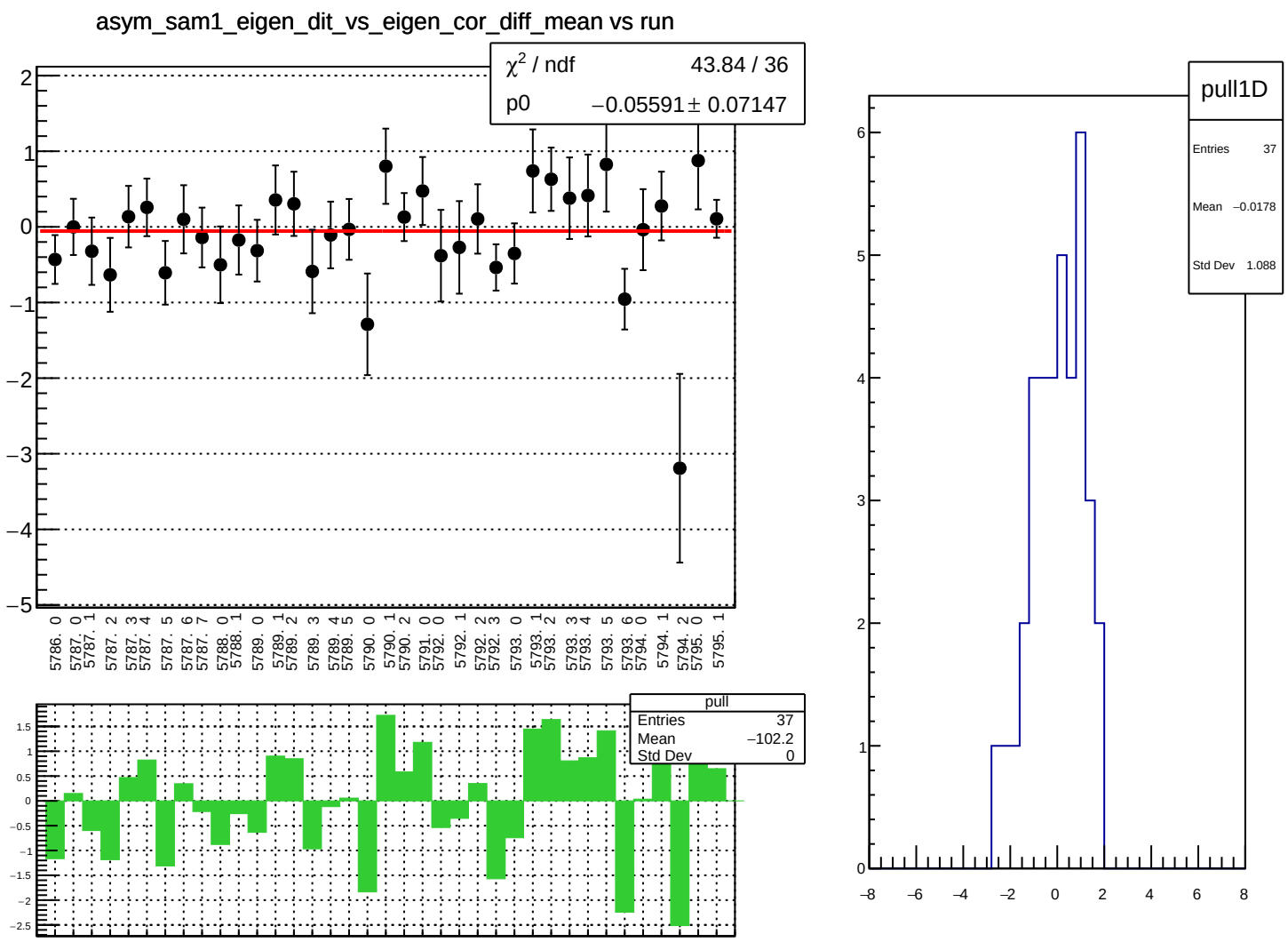

asym_sam1_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.703e+04 / 36
p0 42.76 ± 0.05053
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

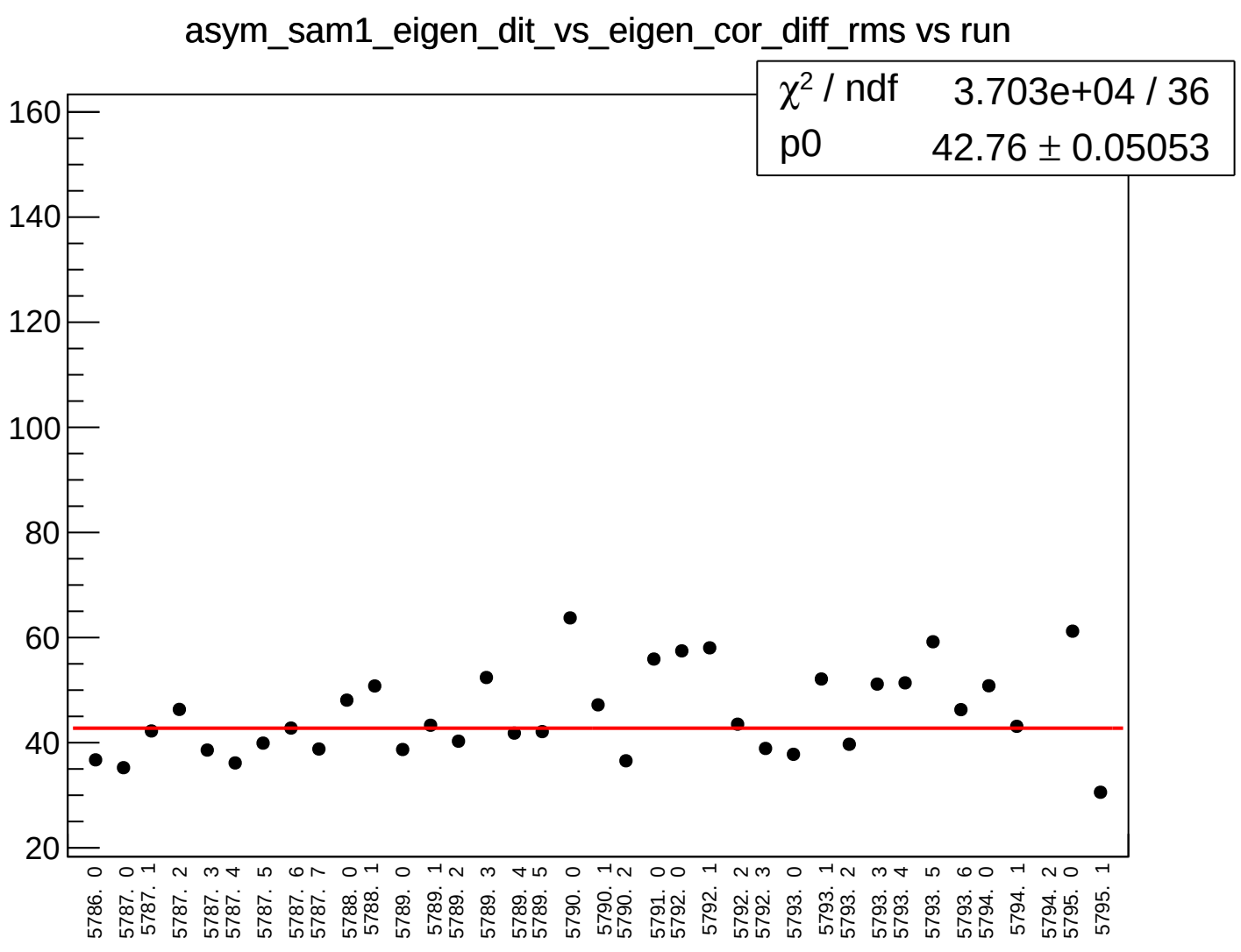

asym_sam1_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.64 / 36
p0 −1.317e−07 ± 2.432e−06
0.04
0.02
0
−0.02
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.68
Std Dev 0
pull1D
Entries 37
Mean −0.02306
Std Dev 1.086

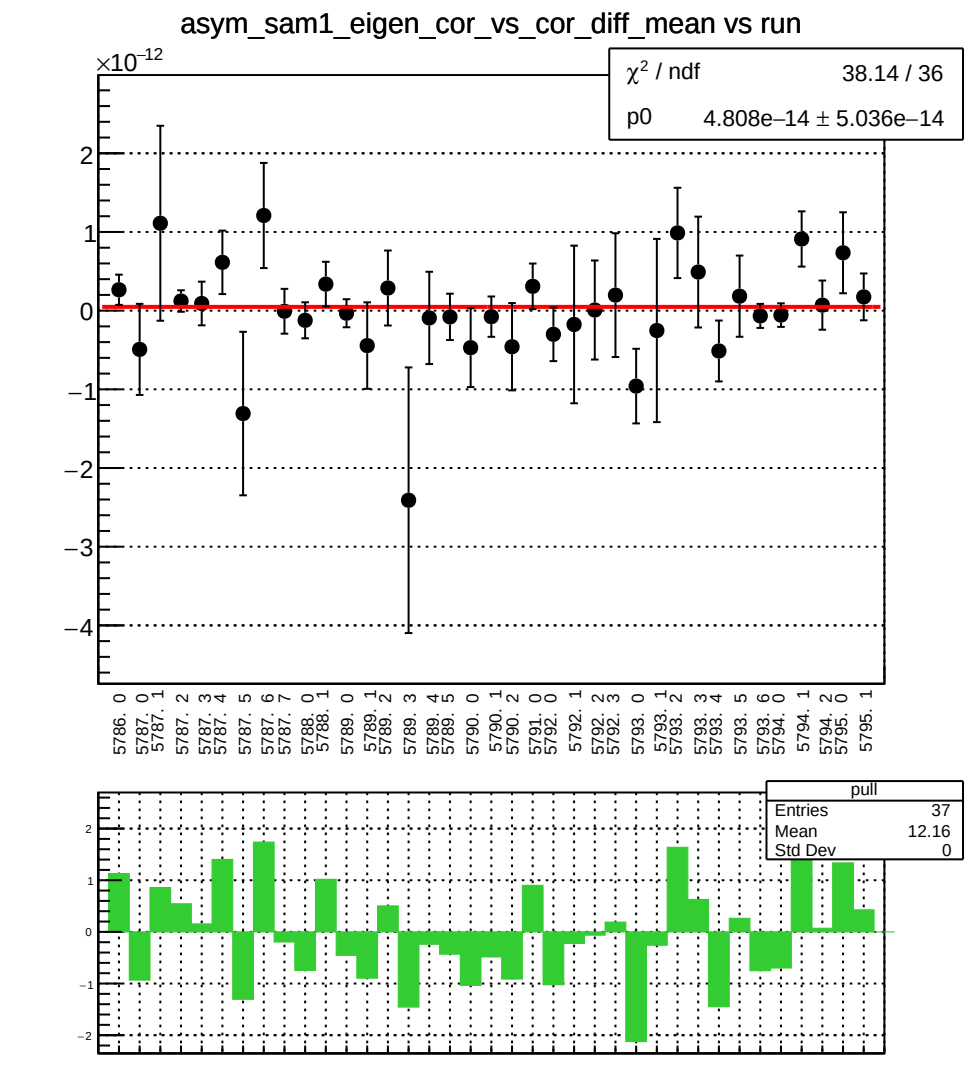

asym_sam1_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2554 / 36
p0 0.00149 ± 1.72e−06
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
0.00135
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

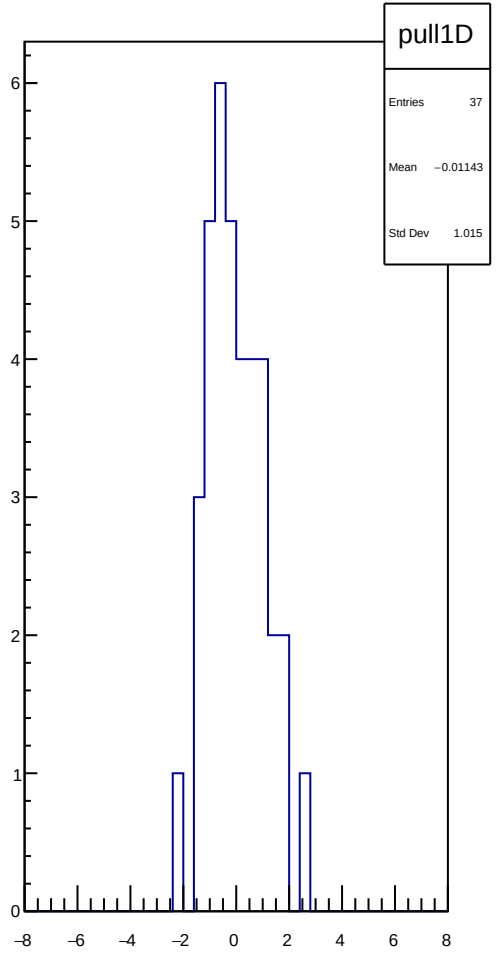

asym_sam1_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.84 / 36
p0 −0.05591 ± 0.07147
pull
Entries 37
Mean −102.2
Std Dev 0
pull1D
Entries 37
Mean −0.0178
Std Dev 1.088

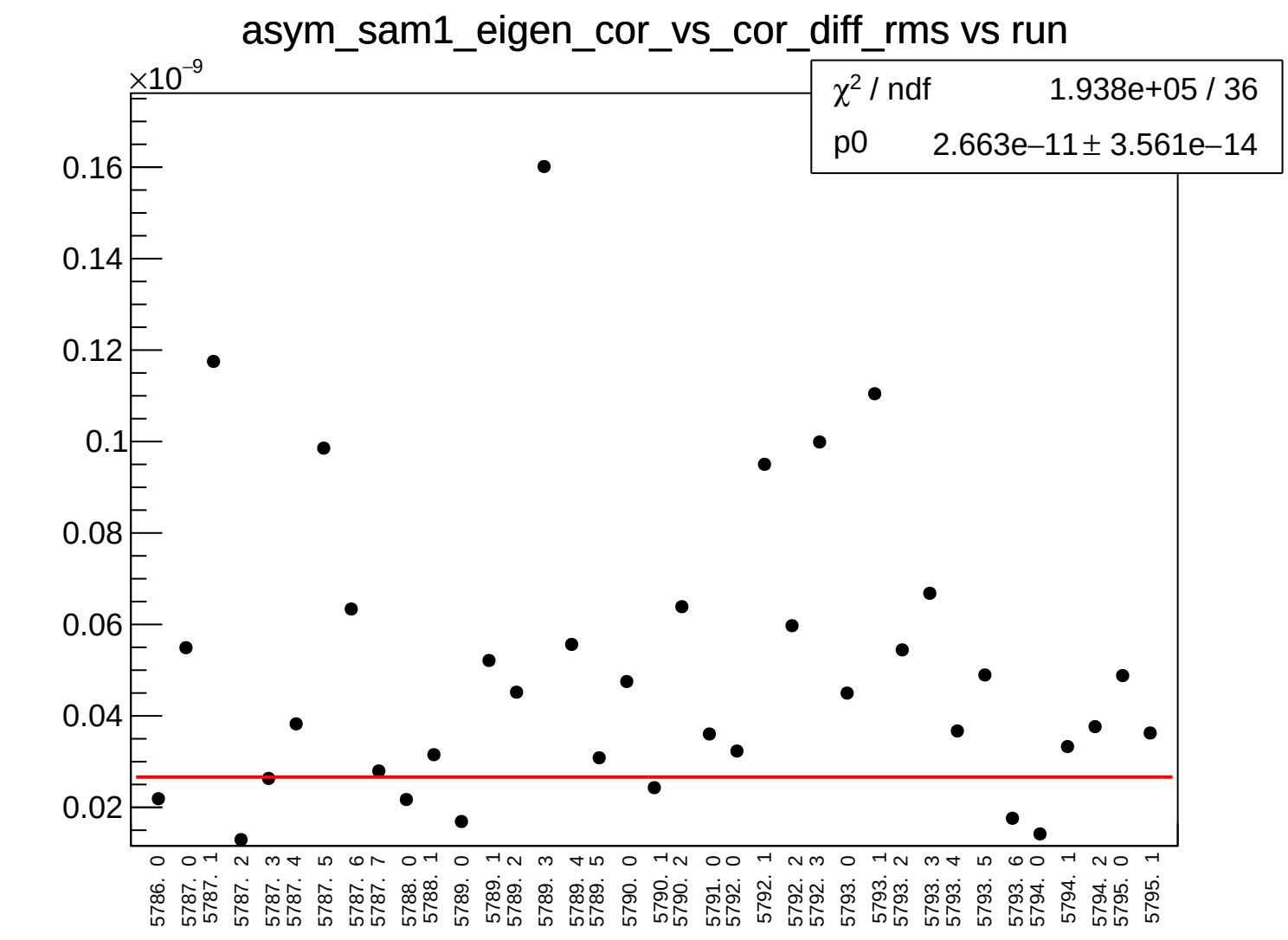

asym_sam1_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.703e+04 / 36
p0 42.76 ± 0.05053
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

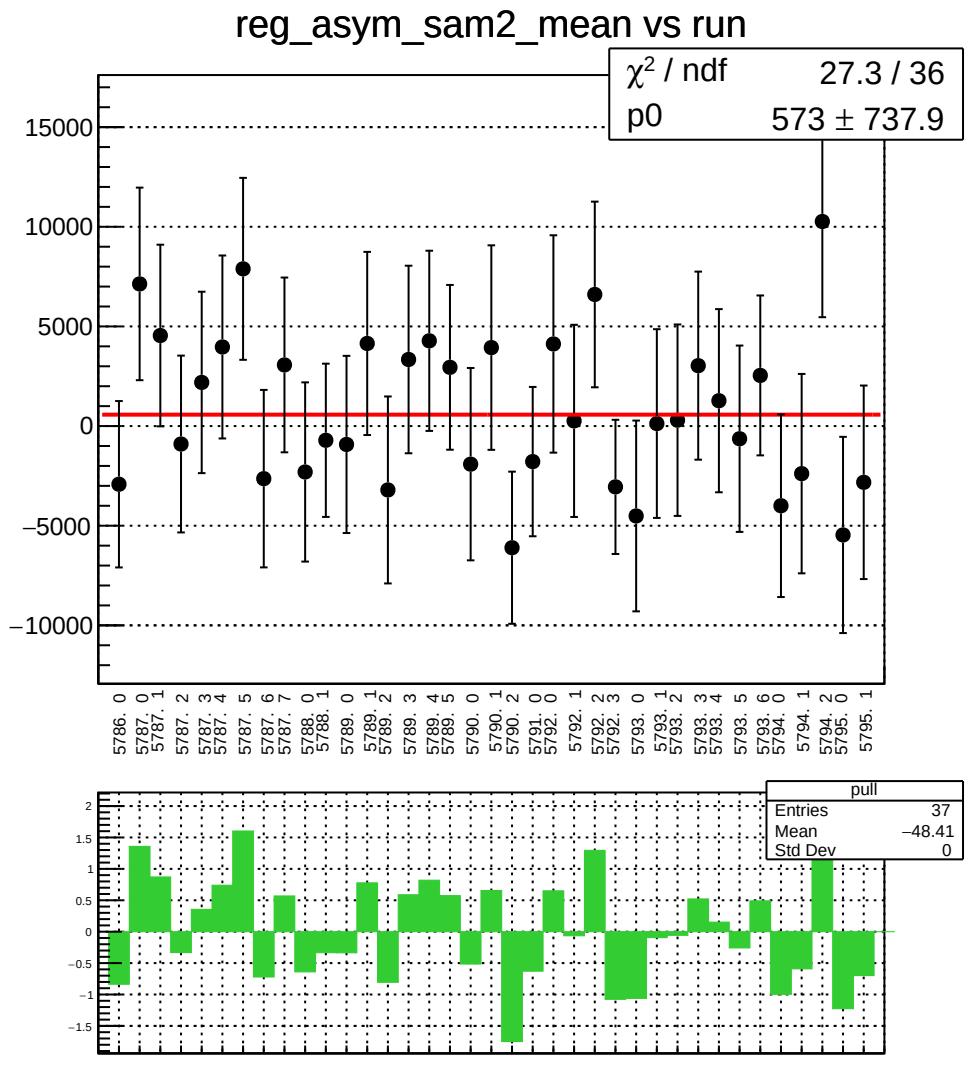

asym_sam1_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.84 / 36
p0 −0.05591 ± 0.07147
pull
Entries 37
Mean −102.2
Std Dev 0
pull1D
Entries 37
Mean −0.0178
Std Dev 1.088

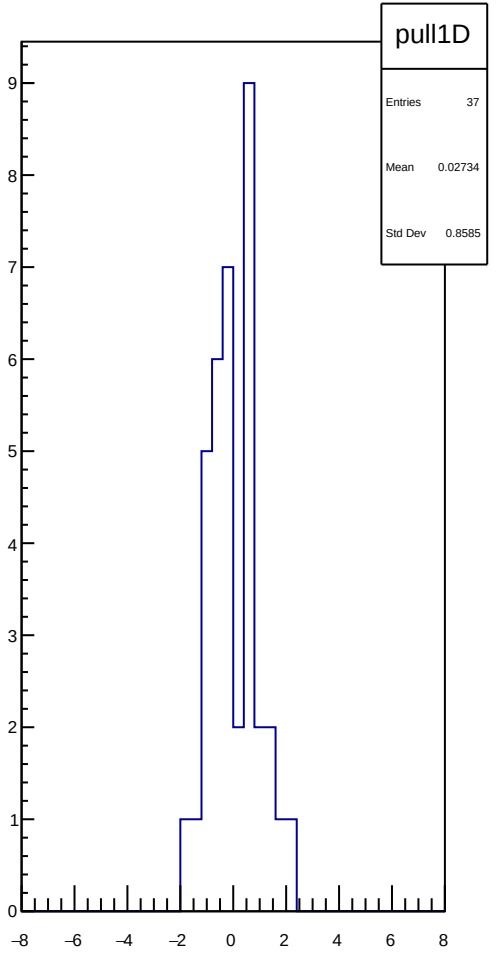

asym_sam1_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.703e+04 / 36
p0 42.76 ± 0.05053
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

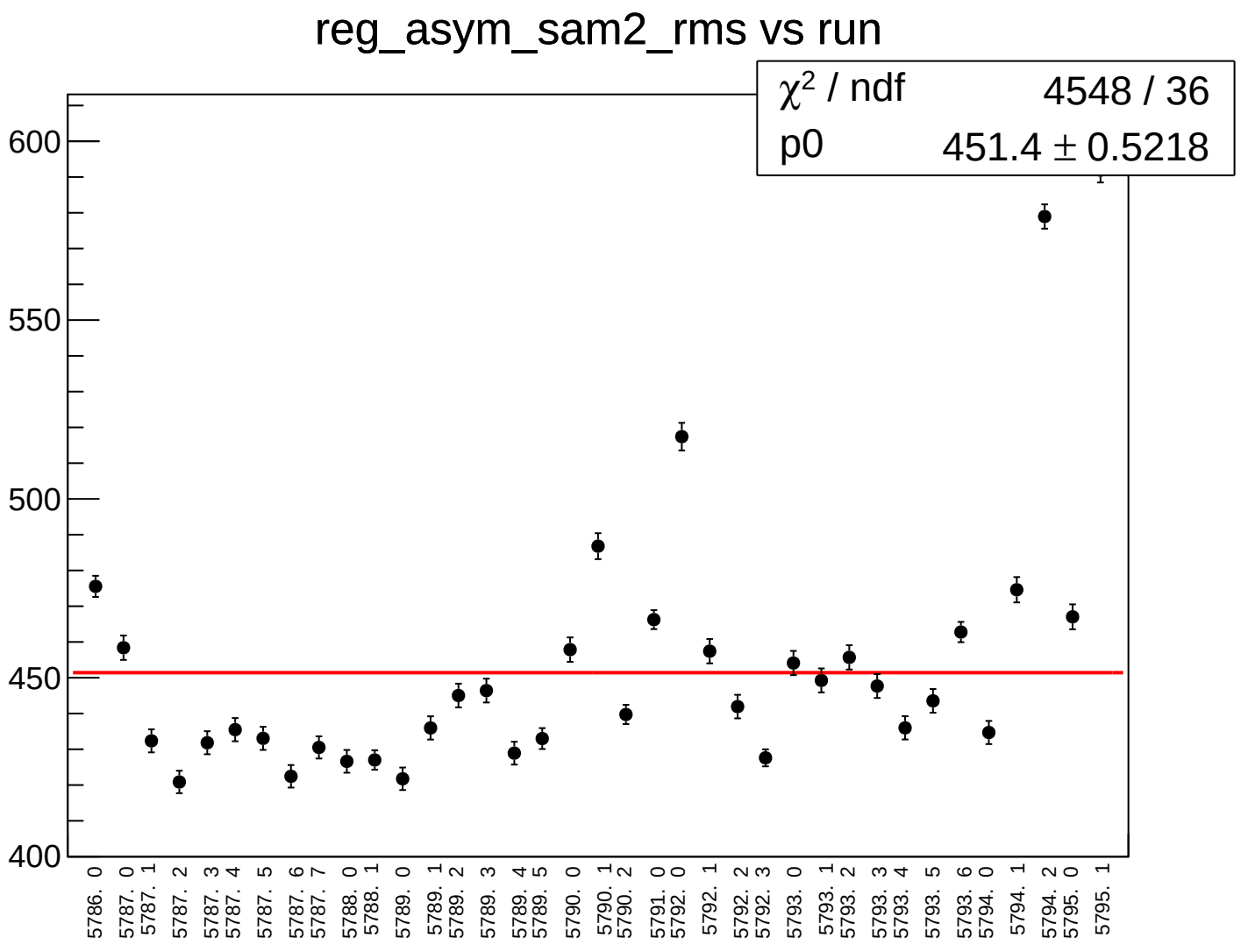

asym_sam1_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.14 / 36
p0 4.808e−14 ± 5.036e−14
2
1
0
−1
−2
−3
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.16
Std Dev 0
2
1
0
−1
−2

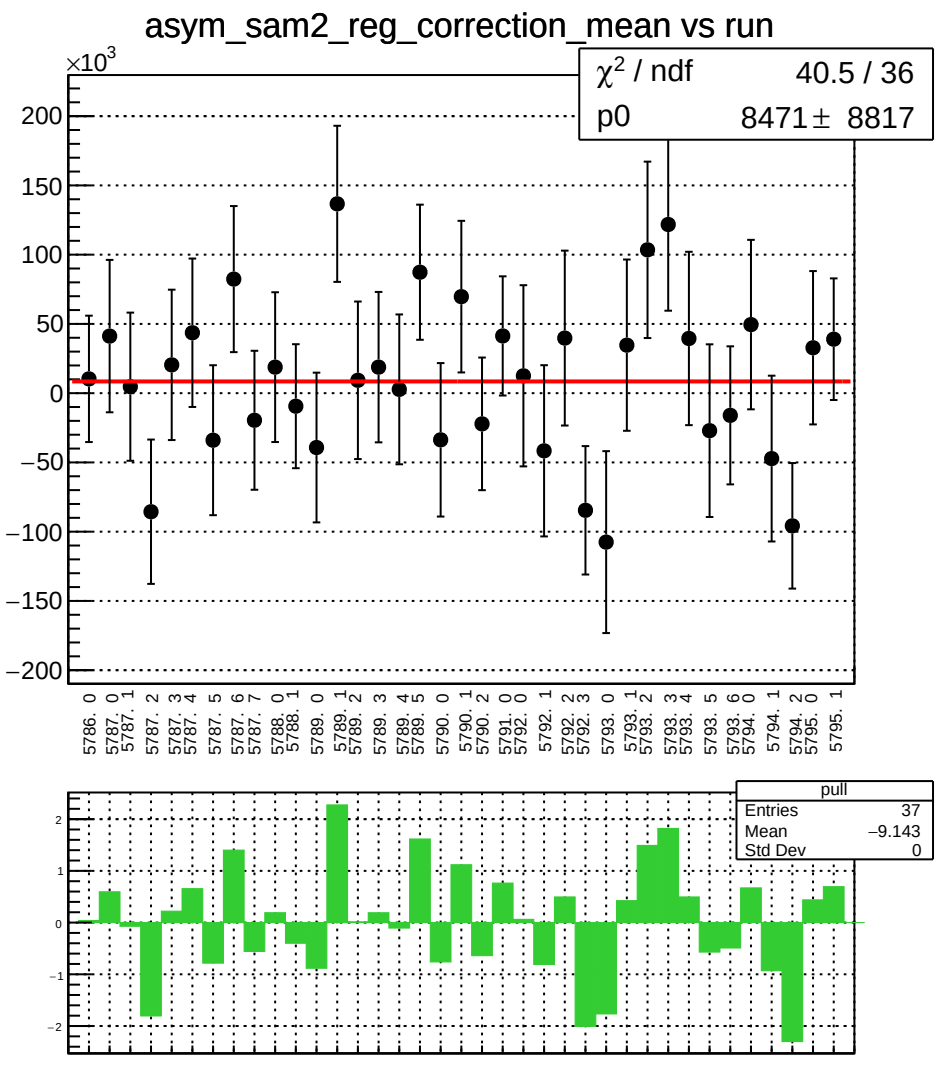

pull1D
Entries 37
Mean −0.01143
Std Dev 1.015
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

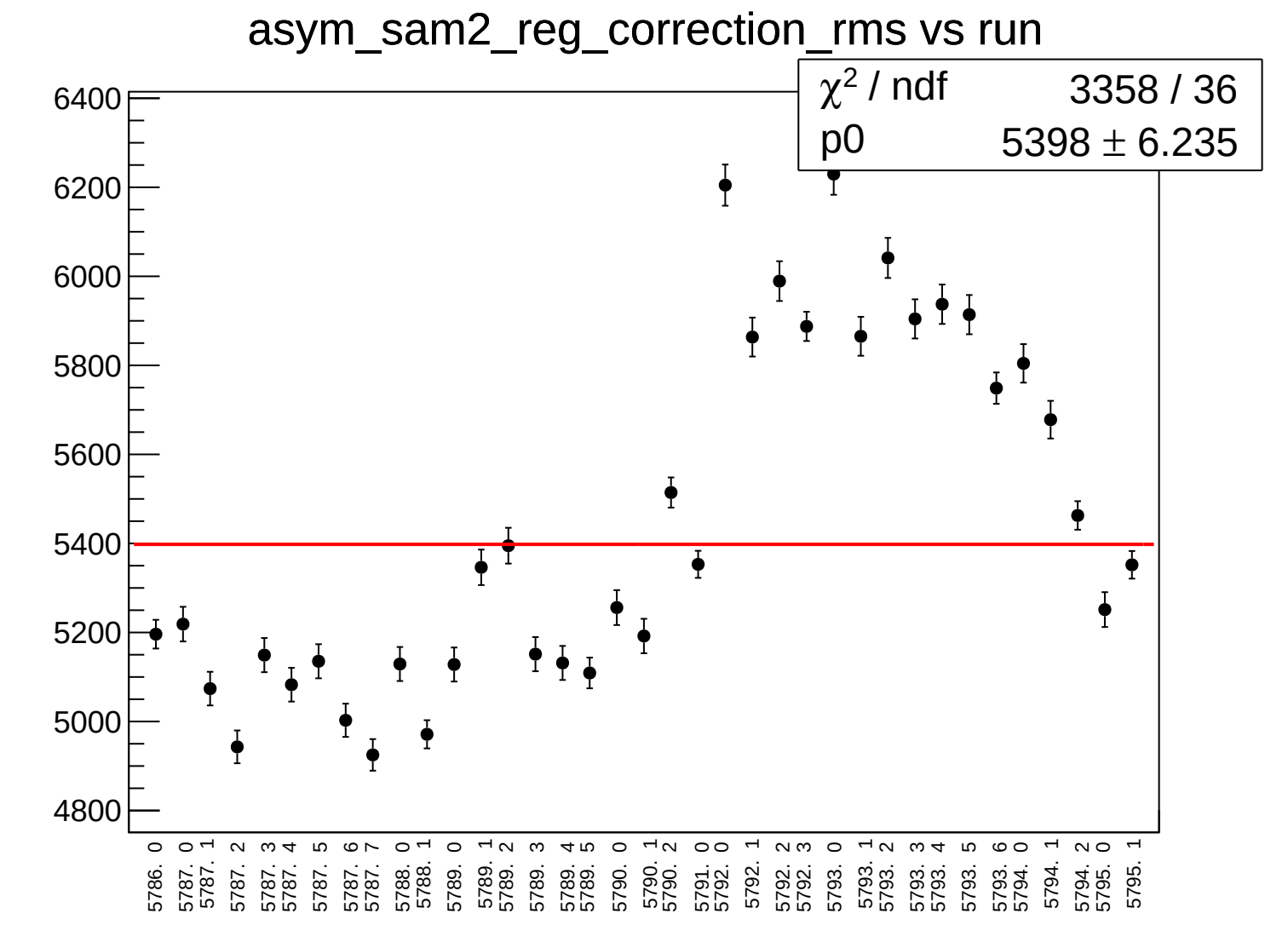

asym_sam1_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.938e+05 / 36
p0 2.663e−11 ± 3.561e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

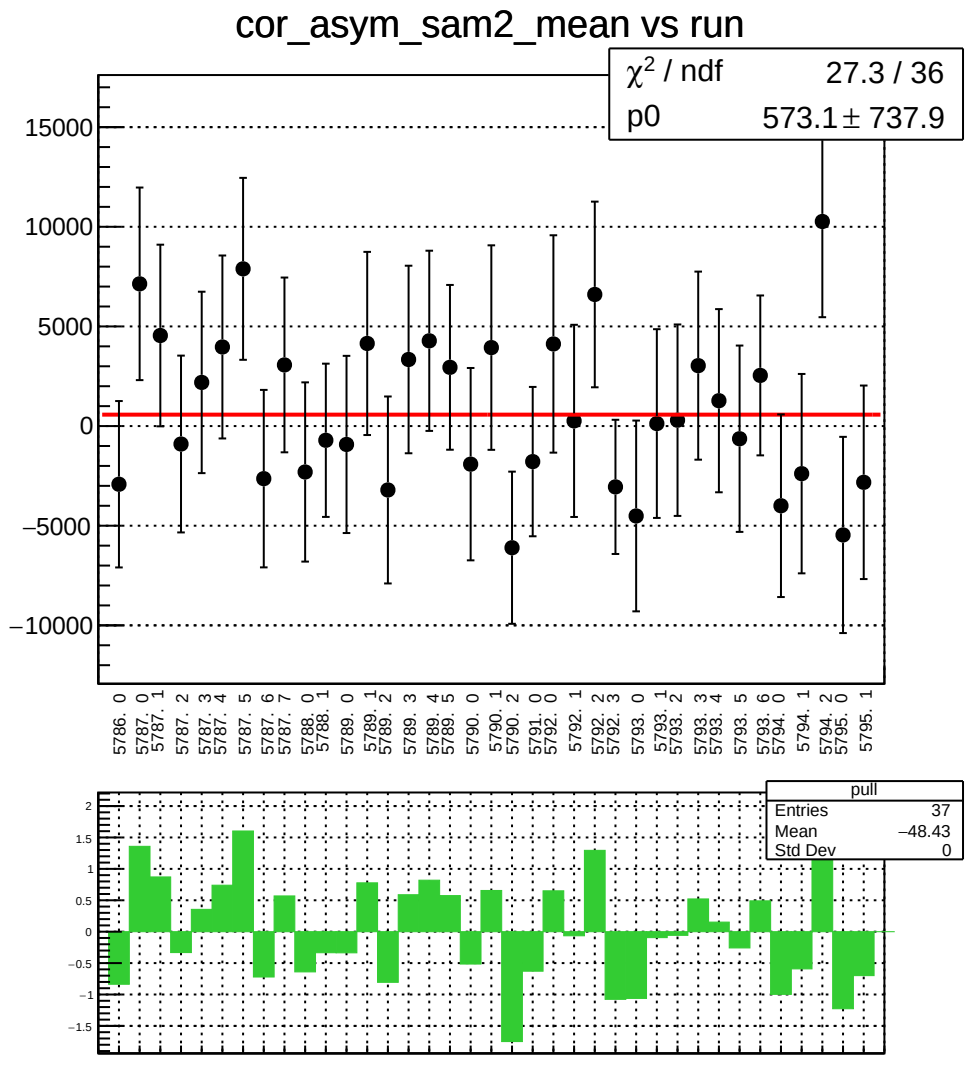

reg_asym_sam2_mean vs run
χ² / ndf 27.3 / 36
p0 573 ± 737.9
15000
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −48.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

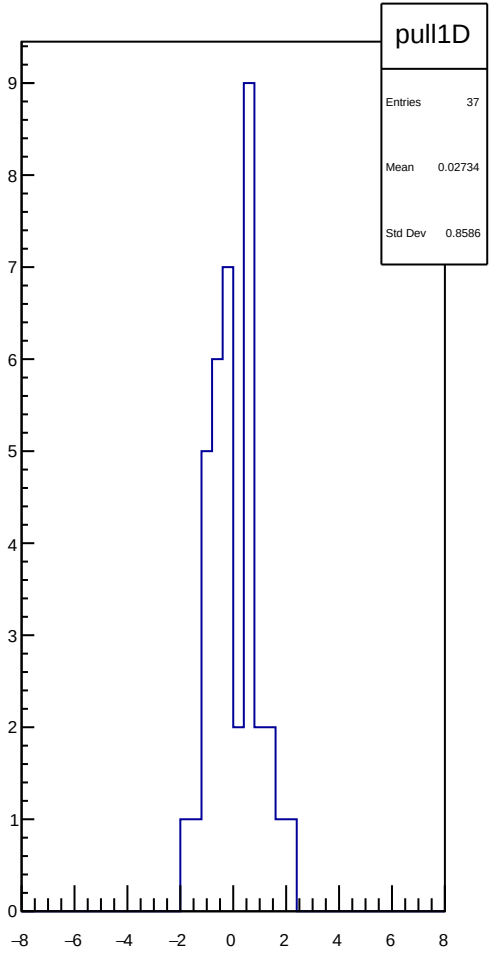

pull1D
Entries 37
Mean 0.02734
Std Dev 0.8585
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

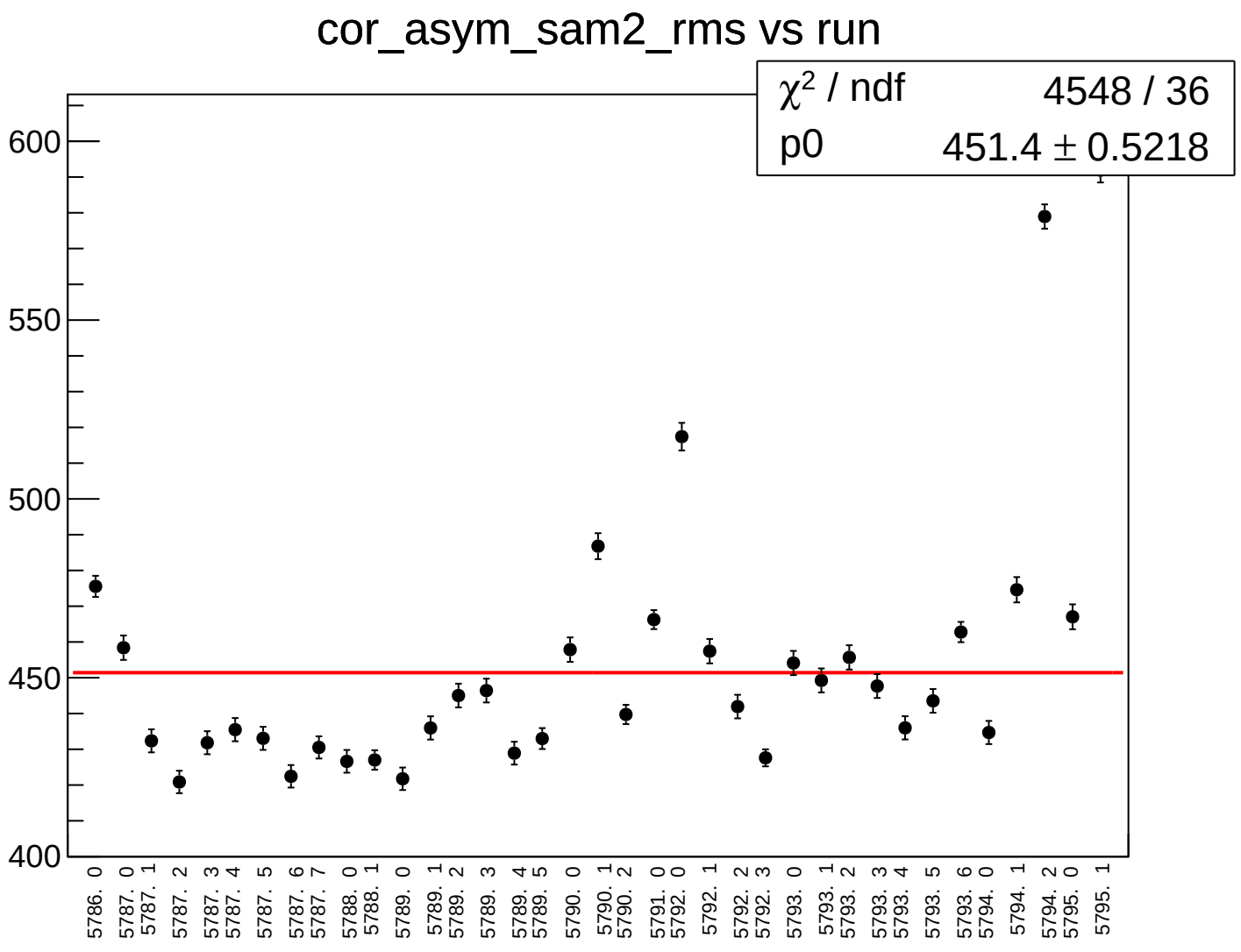

reg_asym_sam2_rms vs run
χ² / ndf 4548 / 36
p0 451.4 ± 0.5218
600
550
500
450
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

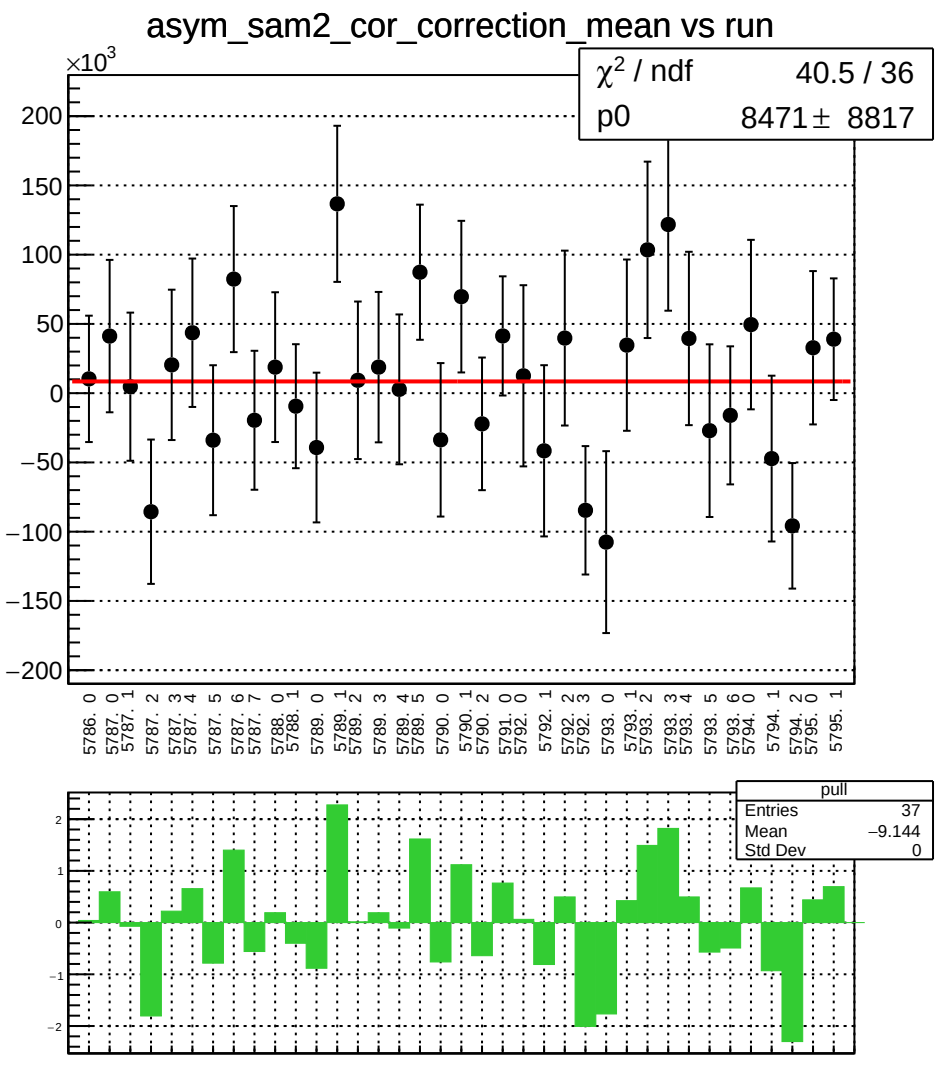

asym_sam2_reg_correction_mean vs run
×10^3
χ² / ndf 40.5 / 36
p0 8471 ± 8817
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.143
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02141
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

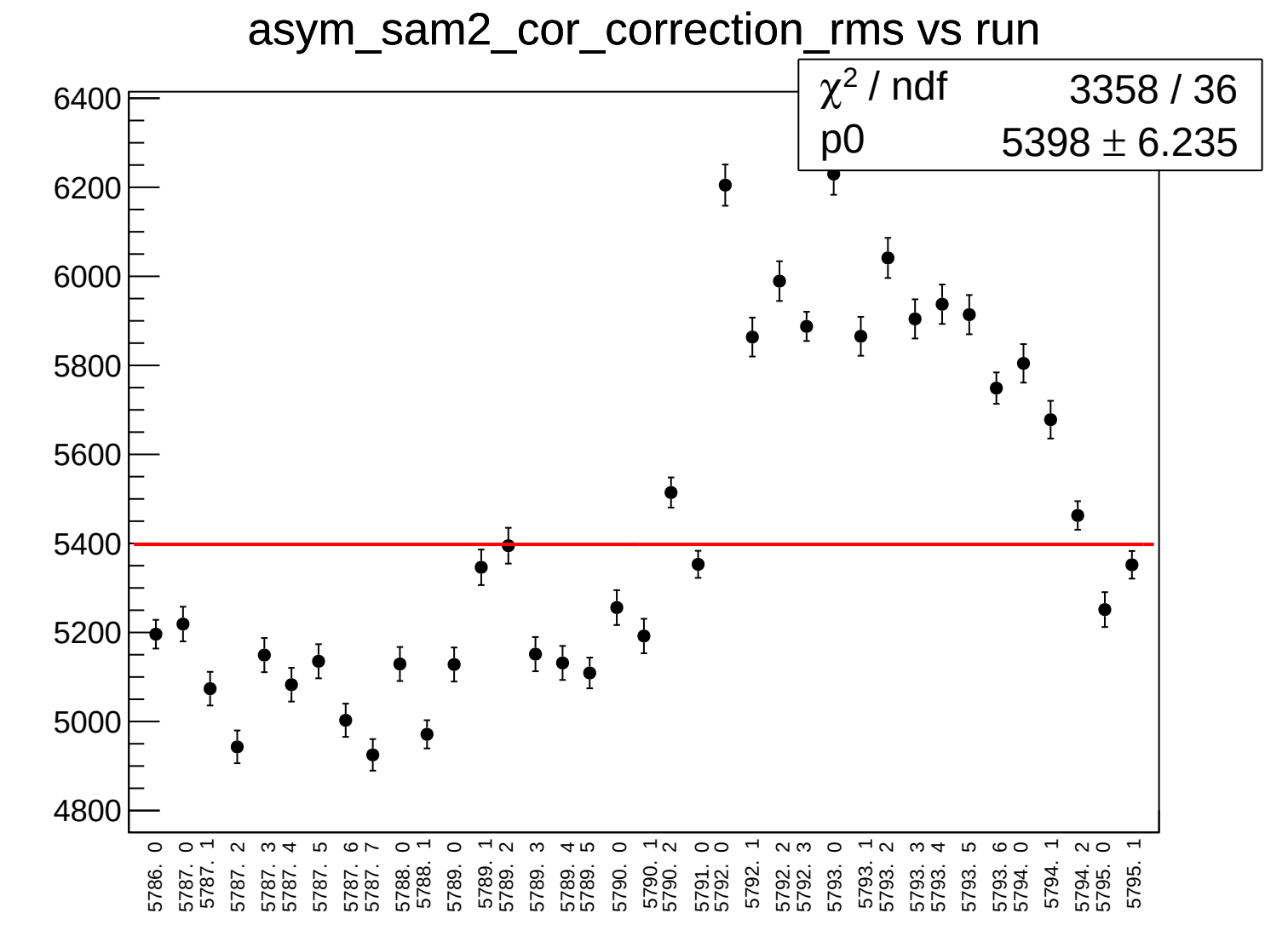

asym_sam2_reg_correction_rms vs run
χ² / ndf 3358 / 36
p0 5398 ± 6.235
6400
6200
6000
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

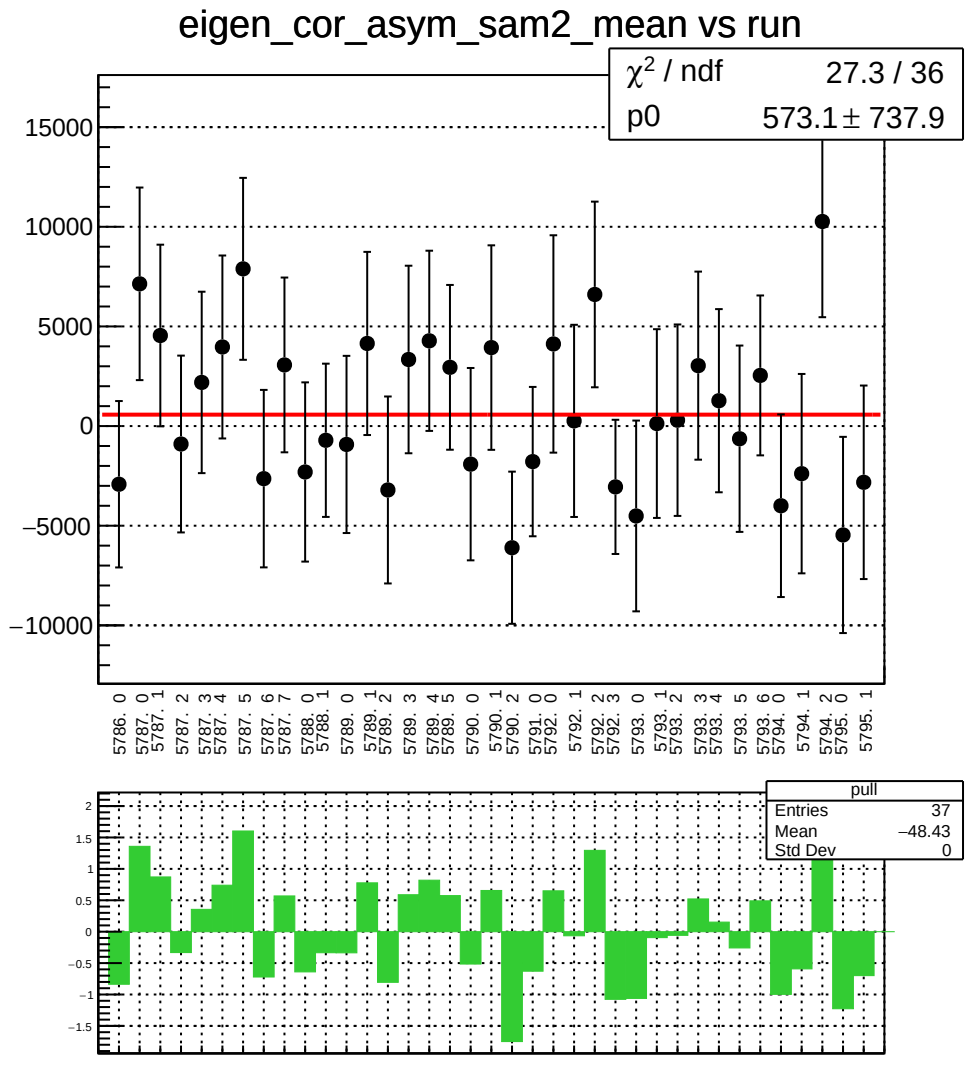

cor_asym_sam2_mean vs run
χ² / ndf 27.3 / 36
p0 573.1 ± 737.9
15000
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −48.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

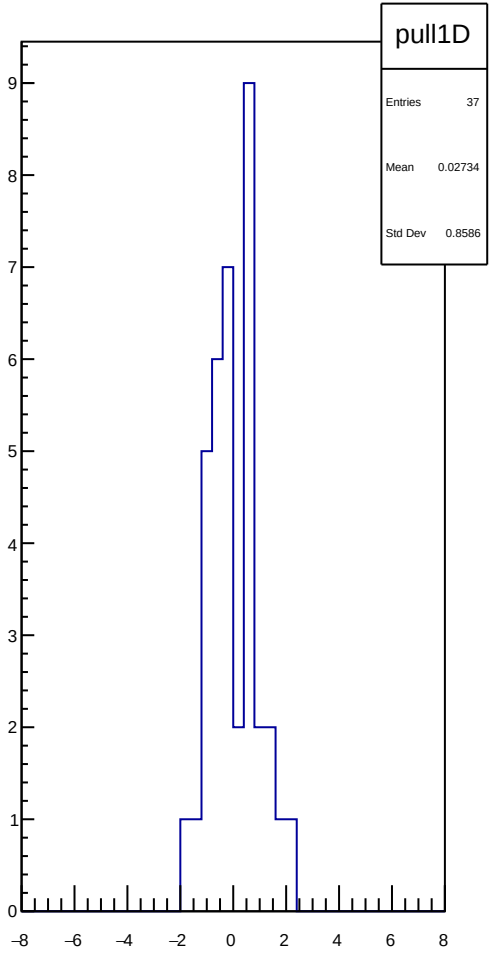

pull1D
Entries 37
Mean 0.02734
Std Dev 0.8586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

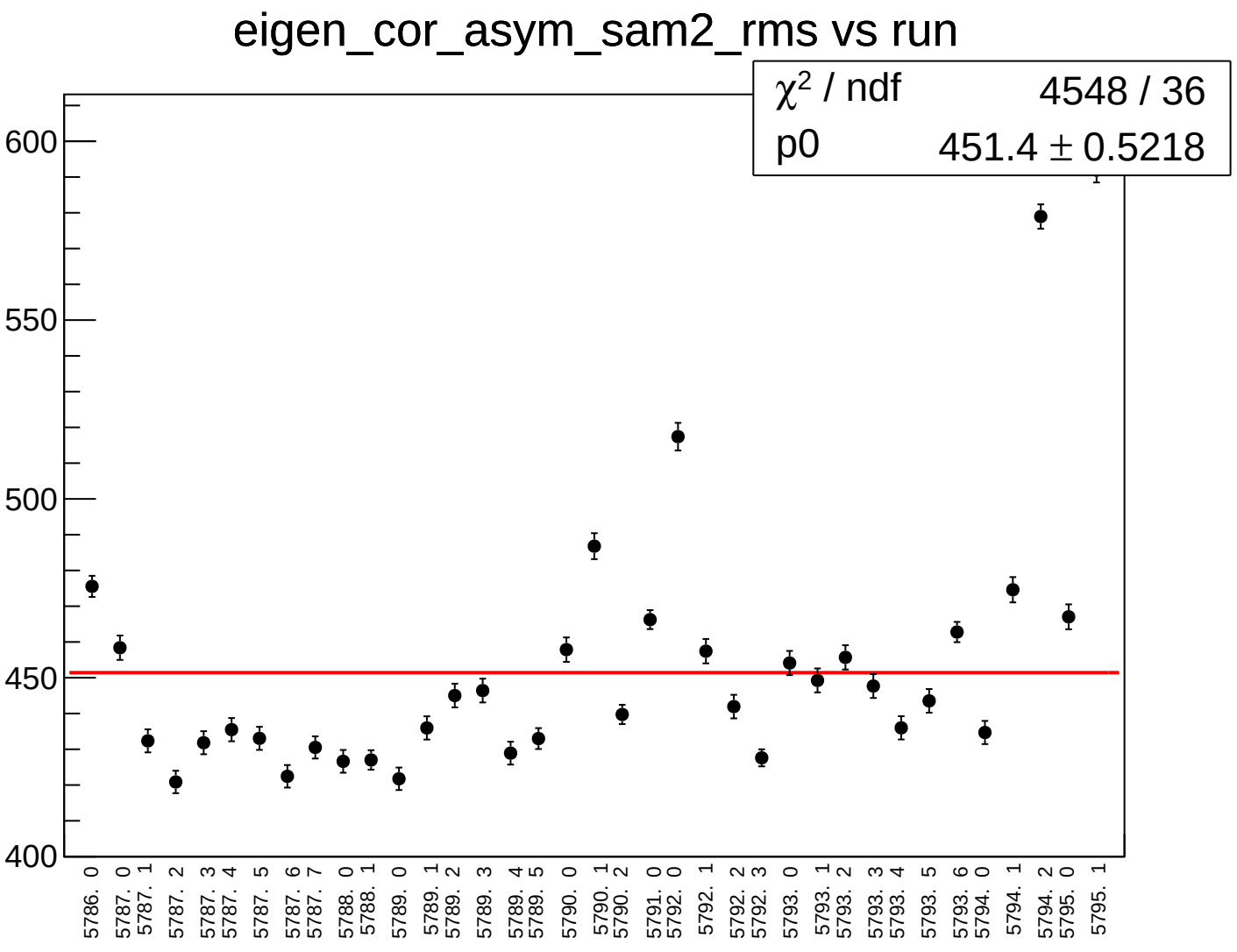

cor_asym_sam2_rms vs run
χ² / ndf 4548 / 36
p0 451.4 ± 0.5218
600
550
500
450
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

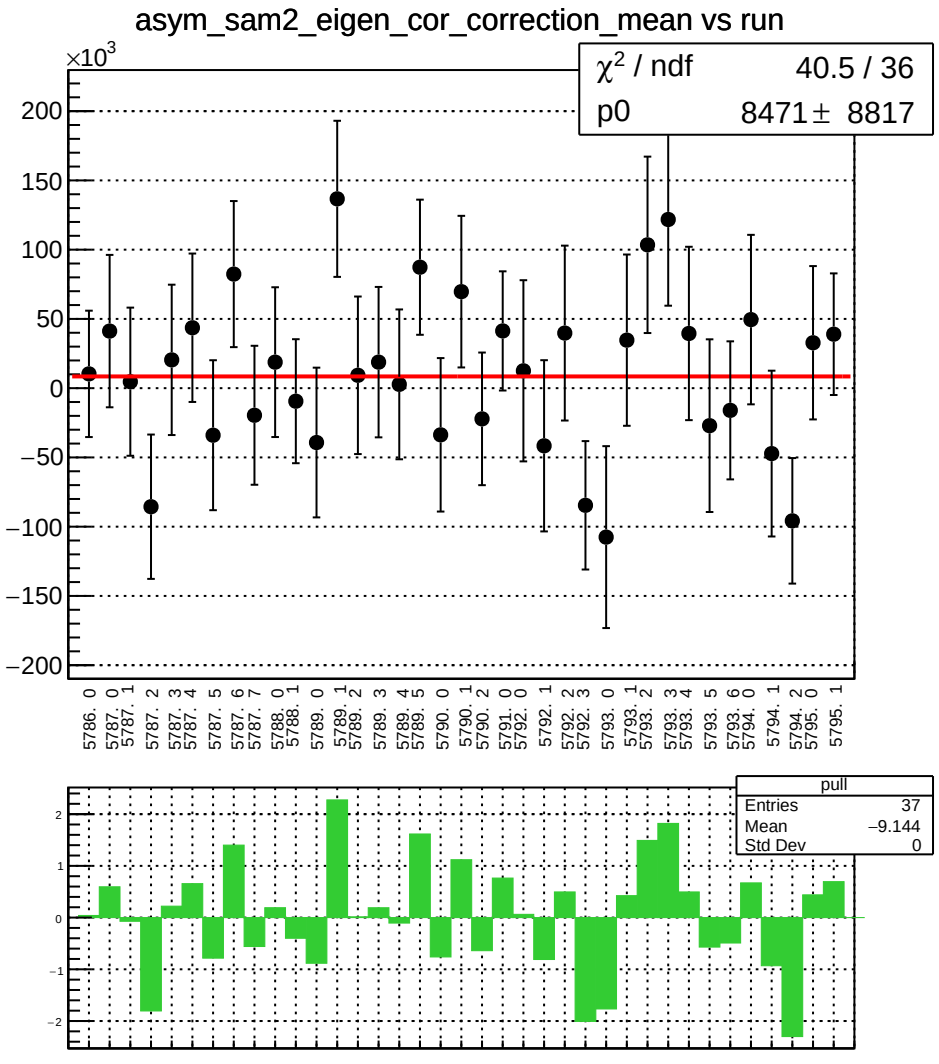

asym_sam2_cor_correction_mean vs run
×10^3
χ² / ndf 40.5 / 36
p0 8471 ± 8817
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.144
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02141
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

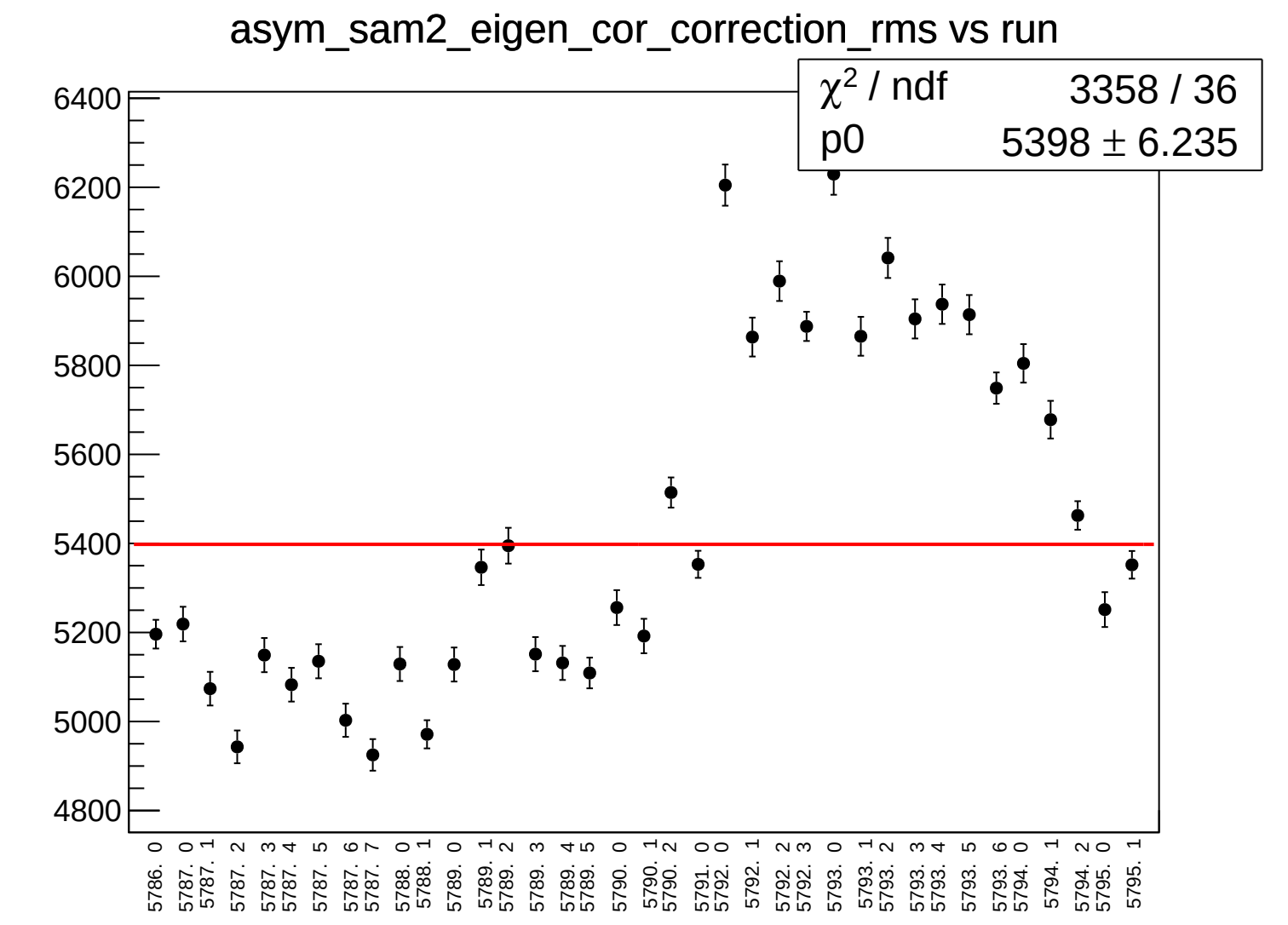

asym_sam2_cor_correction_rms vs run
χ² / ndf 3358 / 36
p0 5398 ± 6.235
6400
6200
6000
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

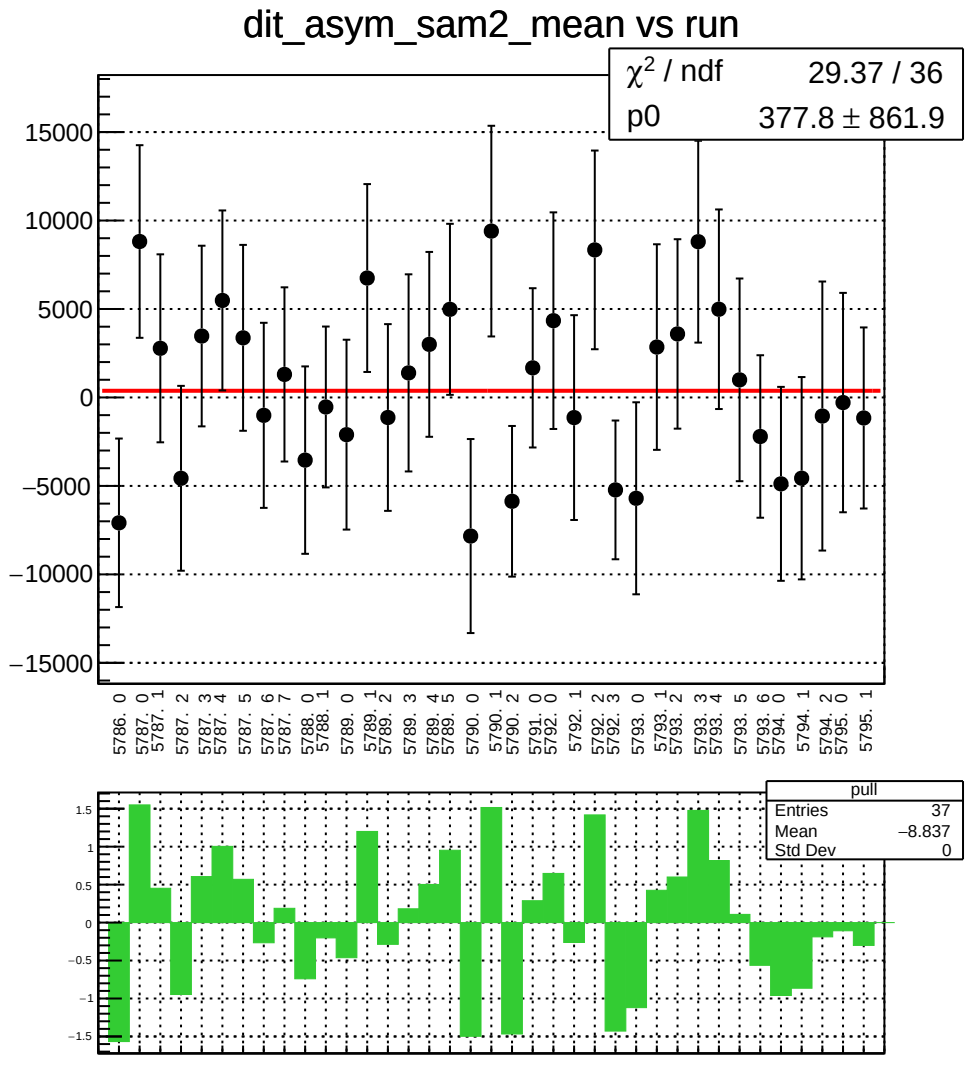

eigen_cor_asym_sam2_mean vs run
χ² / ndf 27.3 / 36
p0 573.1 ± 737.9
15000
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −48.43
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

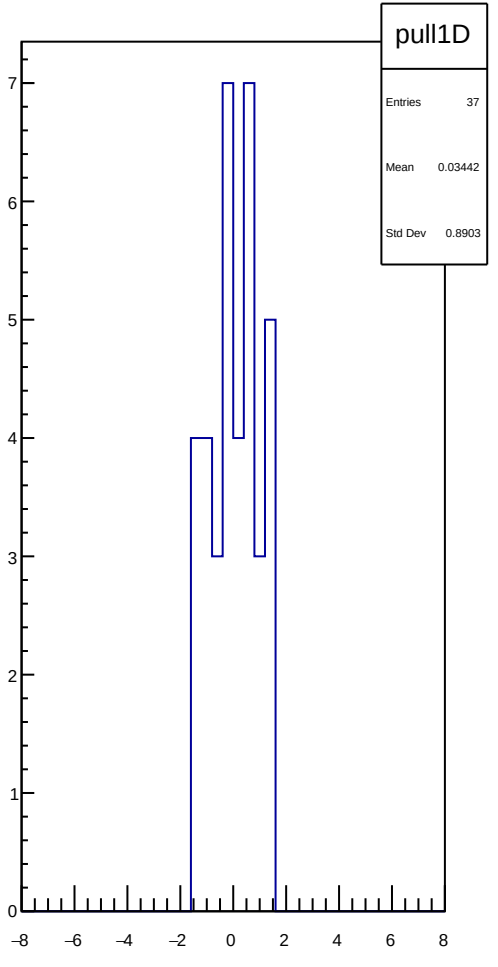

pull1D
Entries 37
Mean 0.02734
Std Dev 0.8586
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

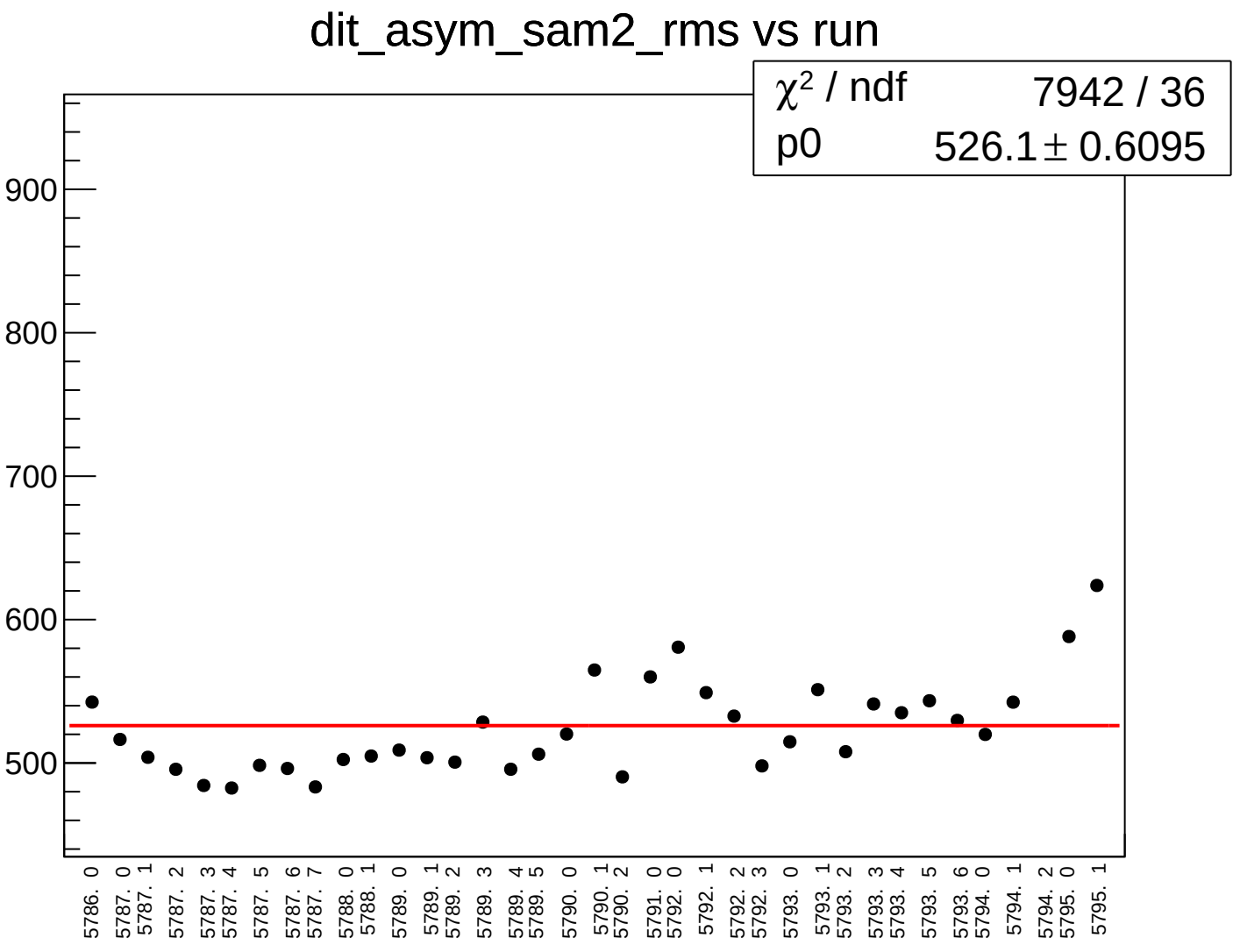

eigen_cor_asym_sam2_rms vs run
χ² / ndf 4548 / 36
p0 451.4 ± 0.5218
600
550
500
450
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

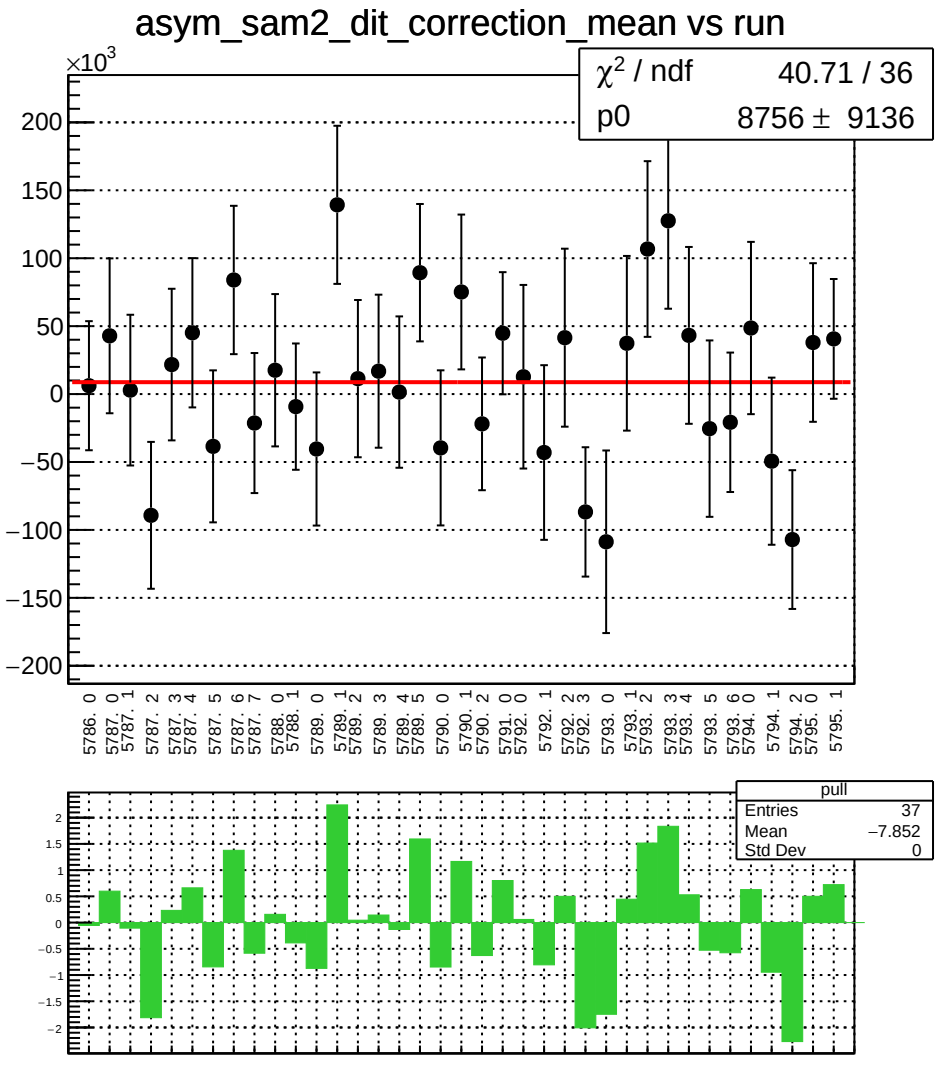

asym_sam2_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.5 / 36
p0 8471 ± 8817
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.144
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02141
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

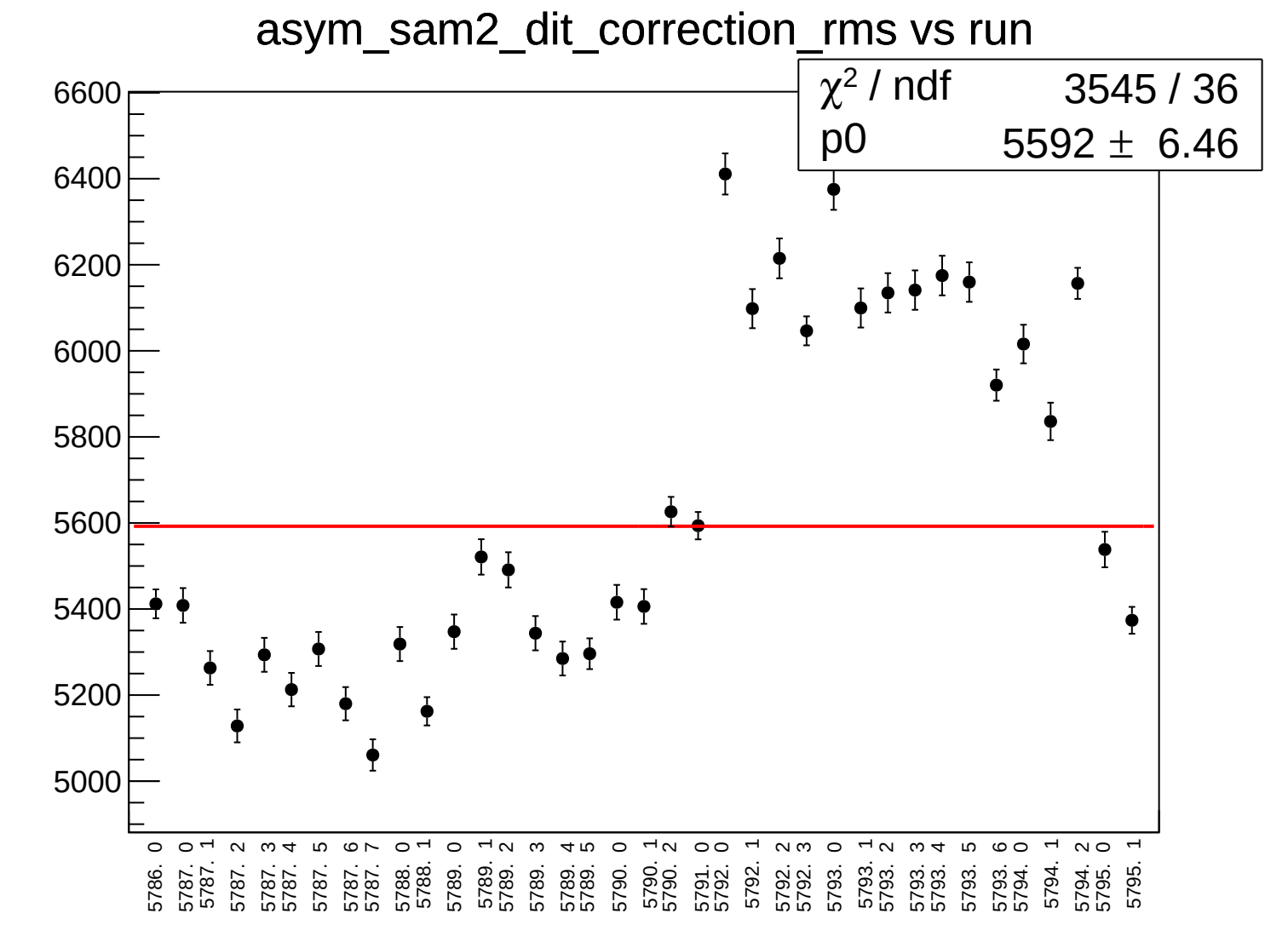

asym_sam2_eigen_cor_correction_rms vs run
χ² / ndf 3358 / 36
p0 5398 ± 6.235
6400
6200
6000
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

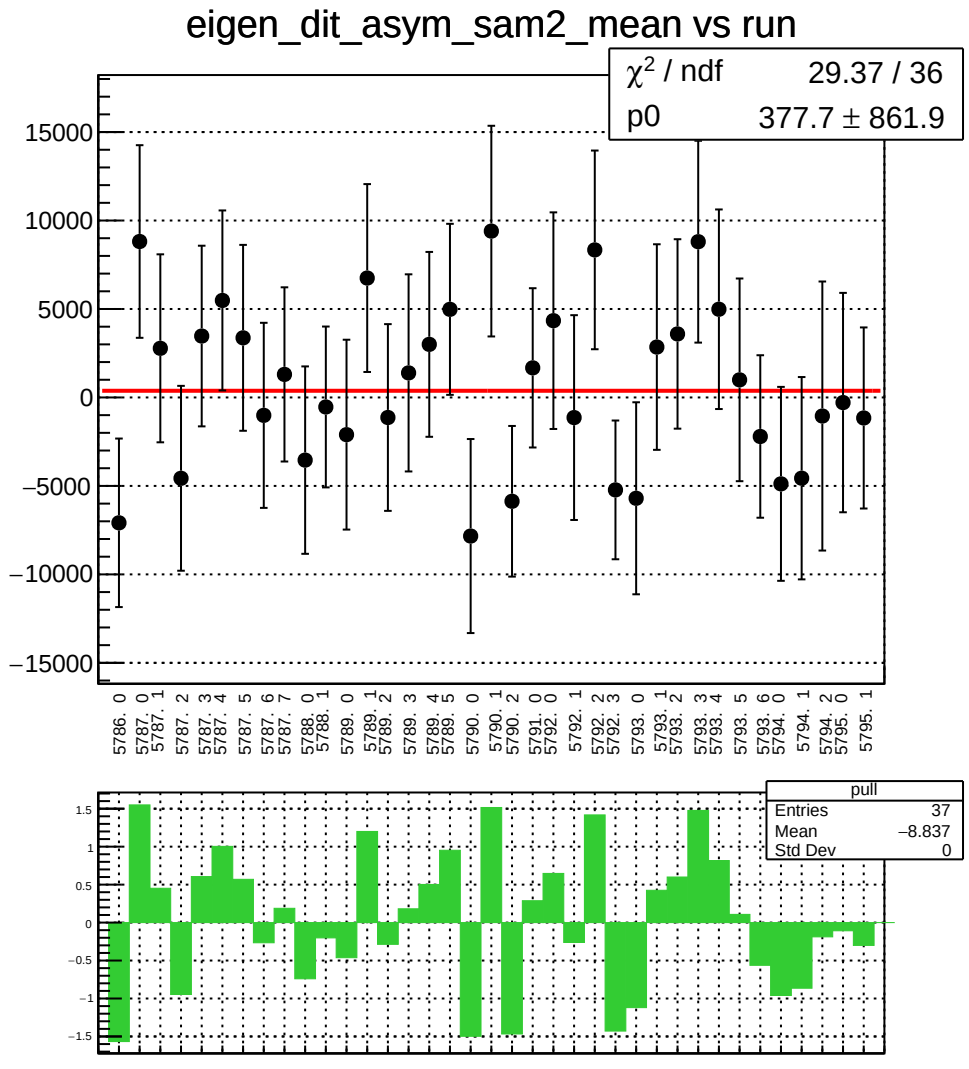

dit_asym_sam2_mean vs run
χ² / ndf 29.37 / 36
p0 377.8 ± 861.9
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.837
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

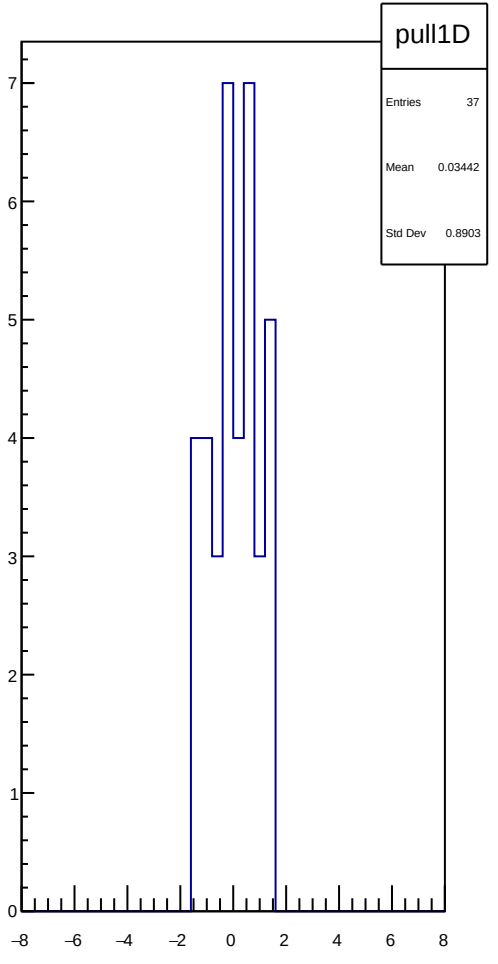

pull1D
Entries 37
Mean 0.03442
Std Dev 0.8903
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

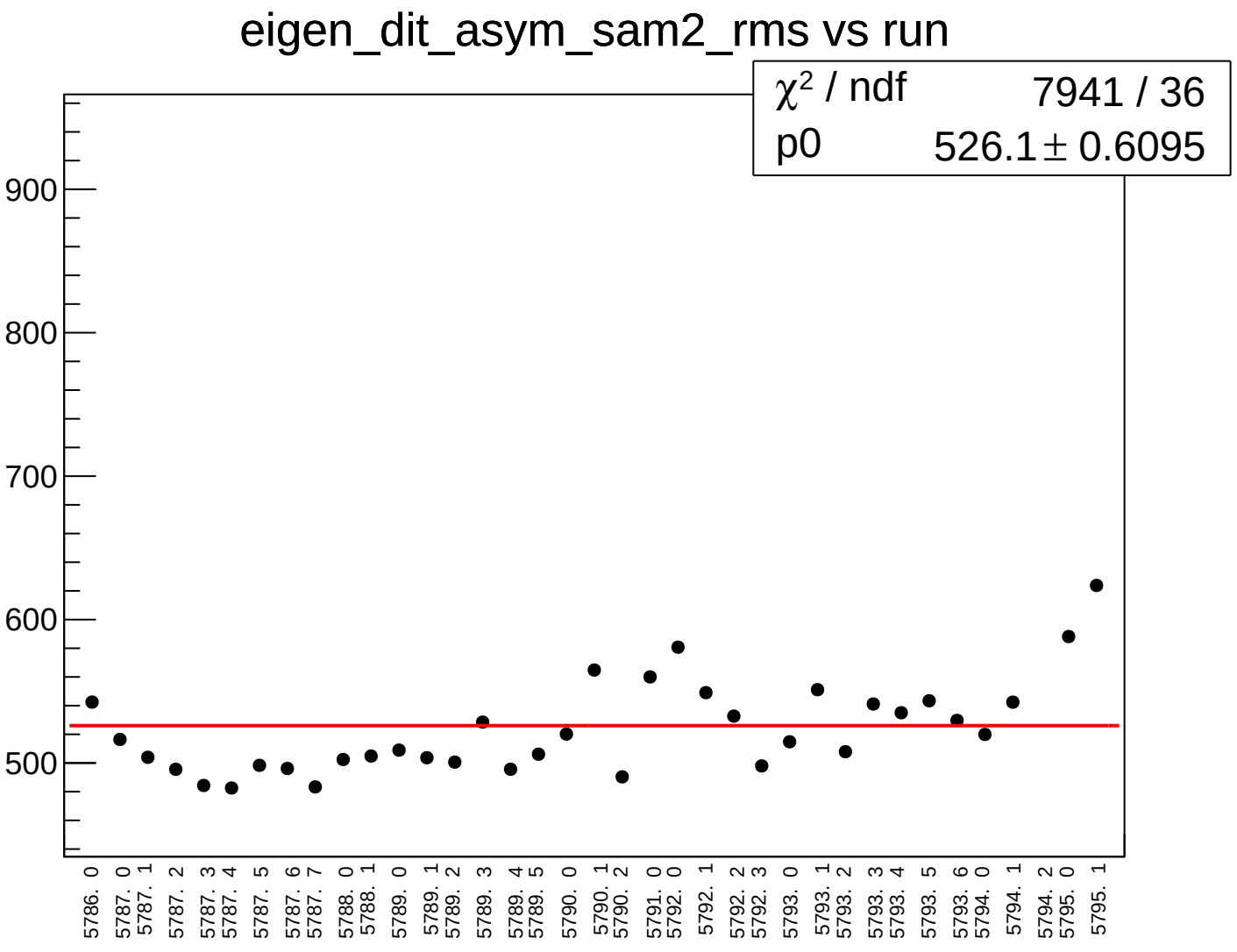

dit_asym_sam2_rms vs run
χ² / ndf 7942 / 36
p0 526.1 ± 0.6095
900
800
700
600
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

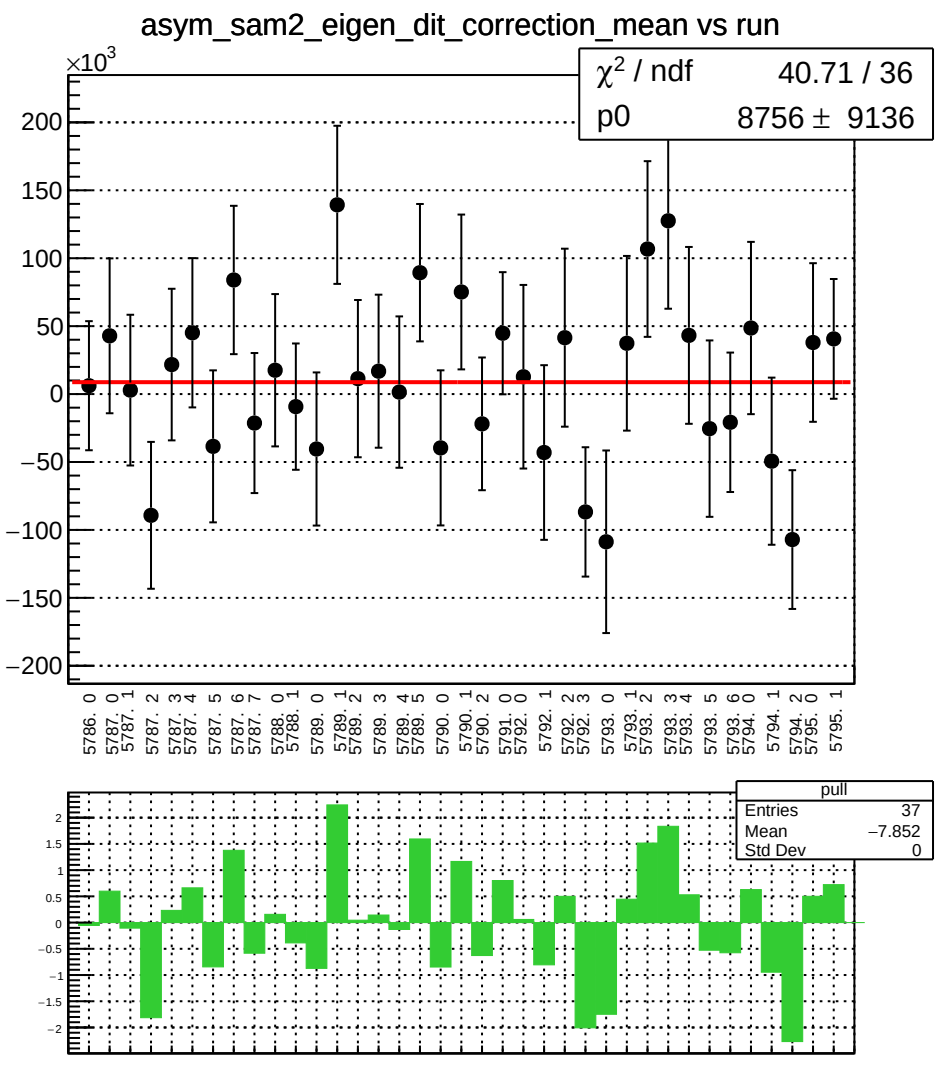

asym_sam2_dit_correction_mean vs run
×10^3
χ^2 / ndf 40.71 / 36
p0 8756 ± 9136
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.852
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01659
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

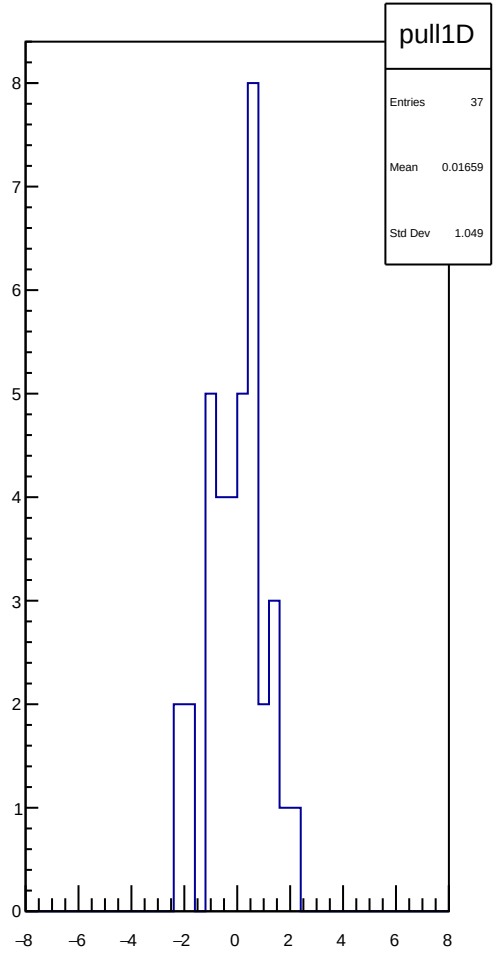

asym_sam2_dit_correction_rms vs run
χ² / ndf 3545 / 36
p0 5592 ± 6.46
6600
6400
6200
6000
5800
5600
5400
5200
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

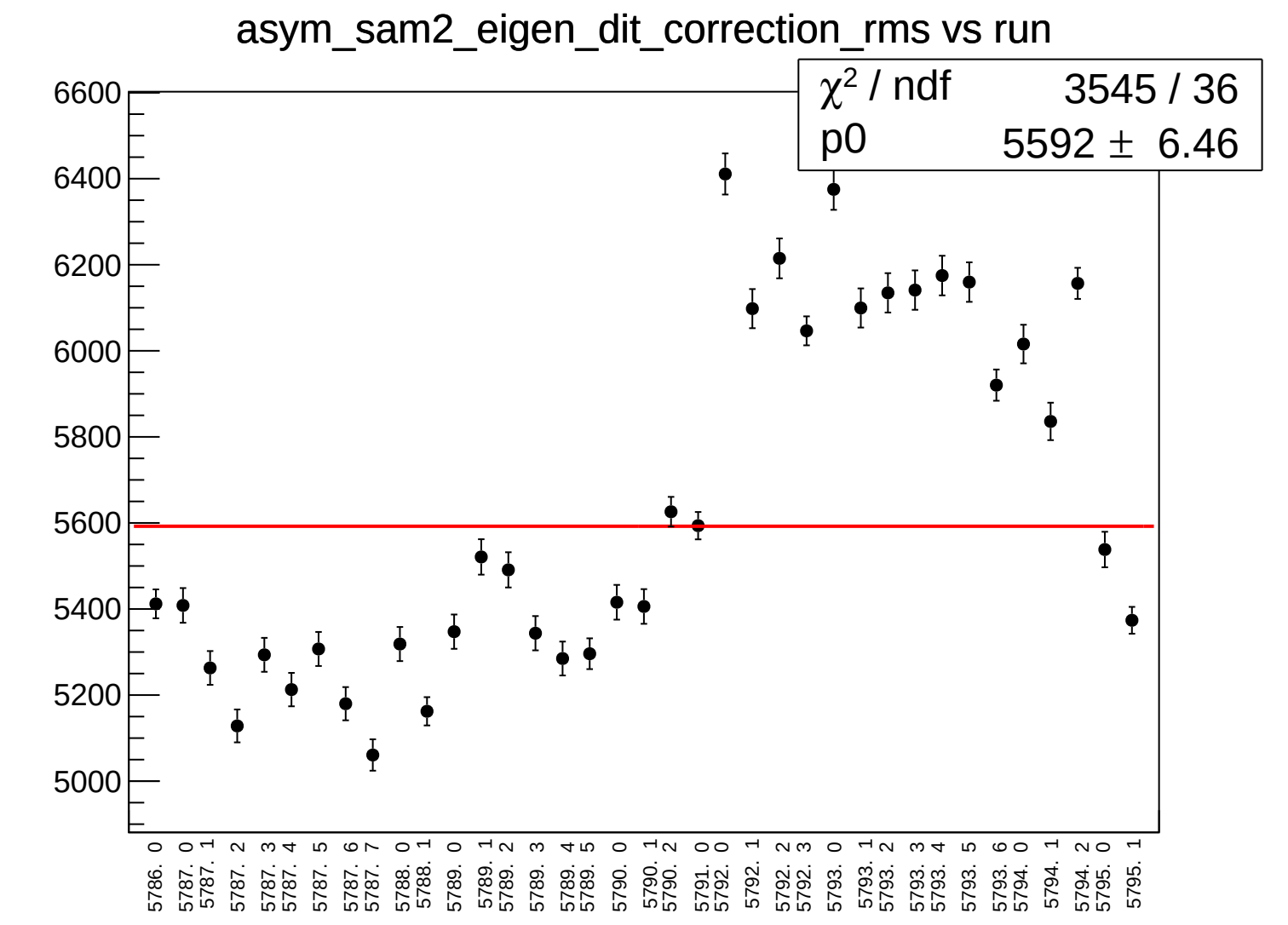

eigen_dit_asym_sam2_mean vs run
χ² / ndf 29.37 / 36
p0 377.7 ± 861.9
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.837
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

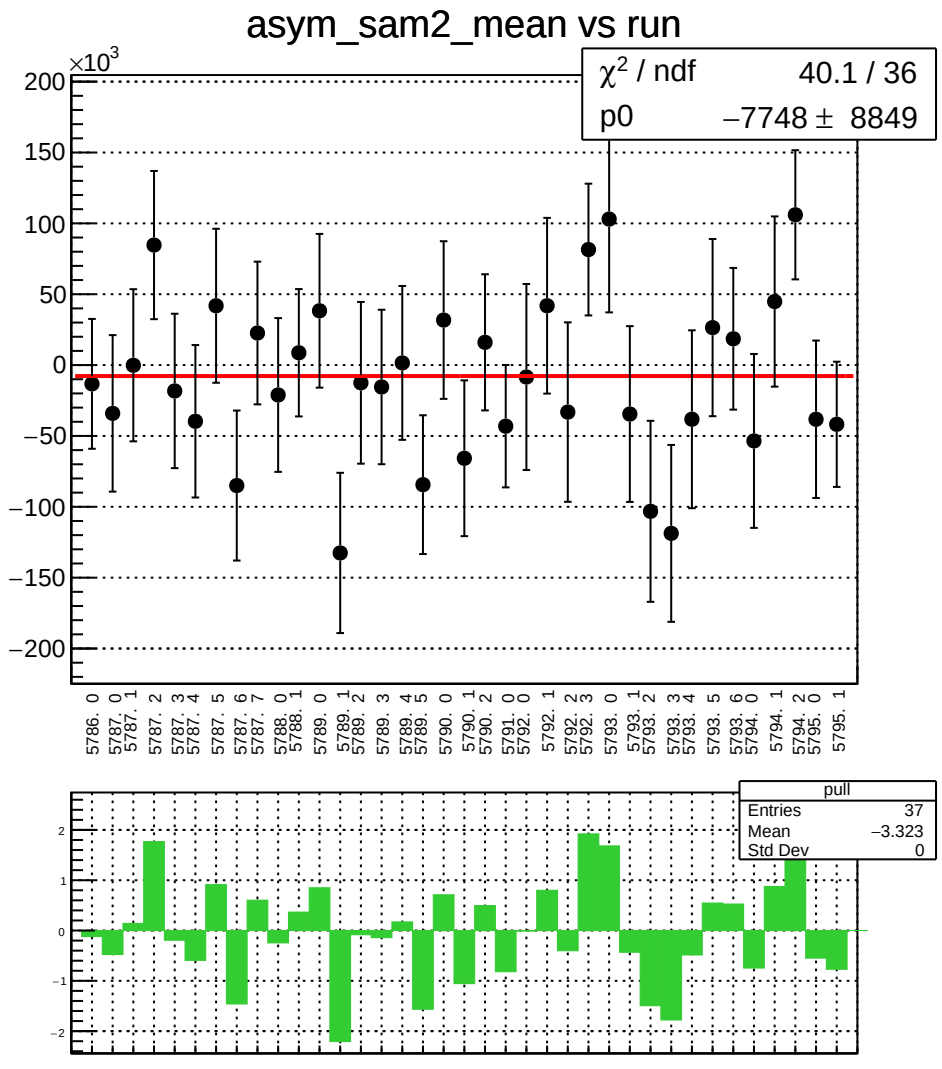

pull1D
Entries 37
Mean 0.03442
Std Dev 0.8903
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

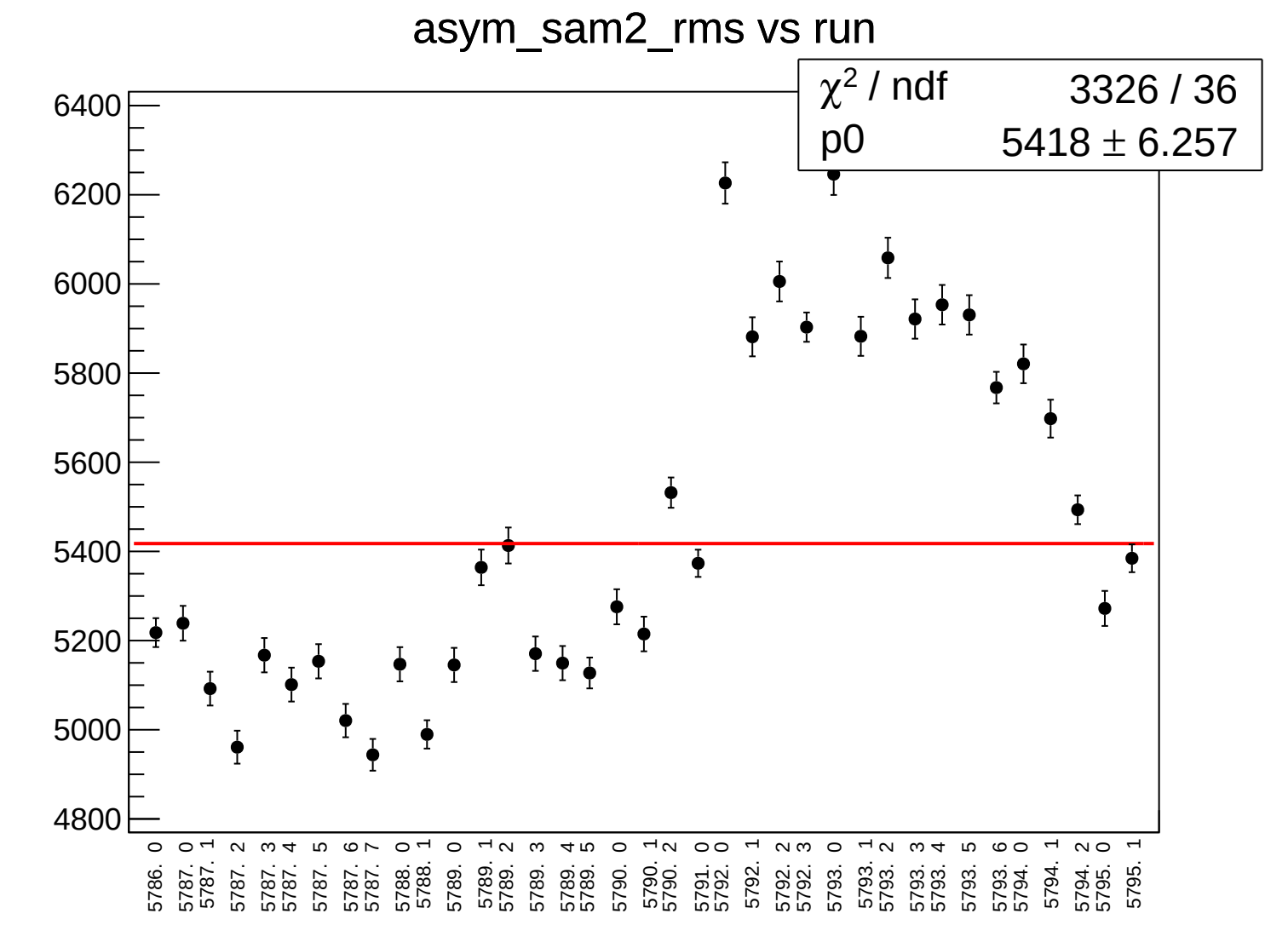

eigen_dit_asym_sam2_rms vs run
χ² / ndf 7941 / 36
p0 526.1 ± 0.6095
900
800
700
600
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

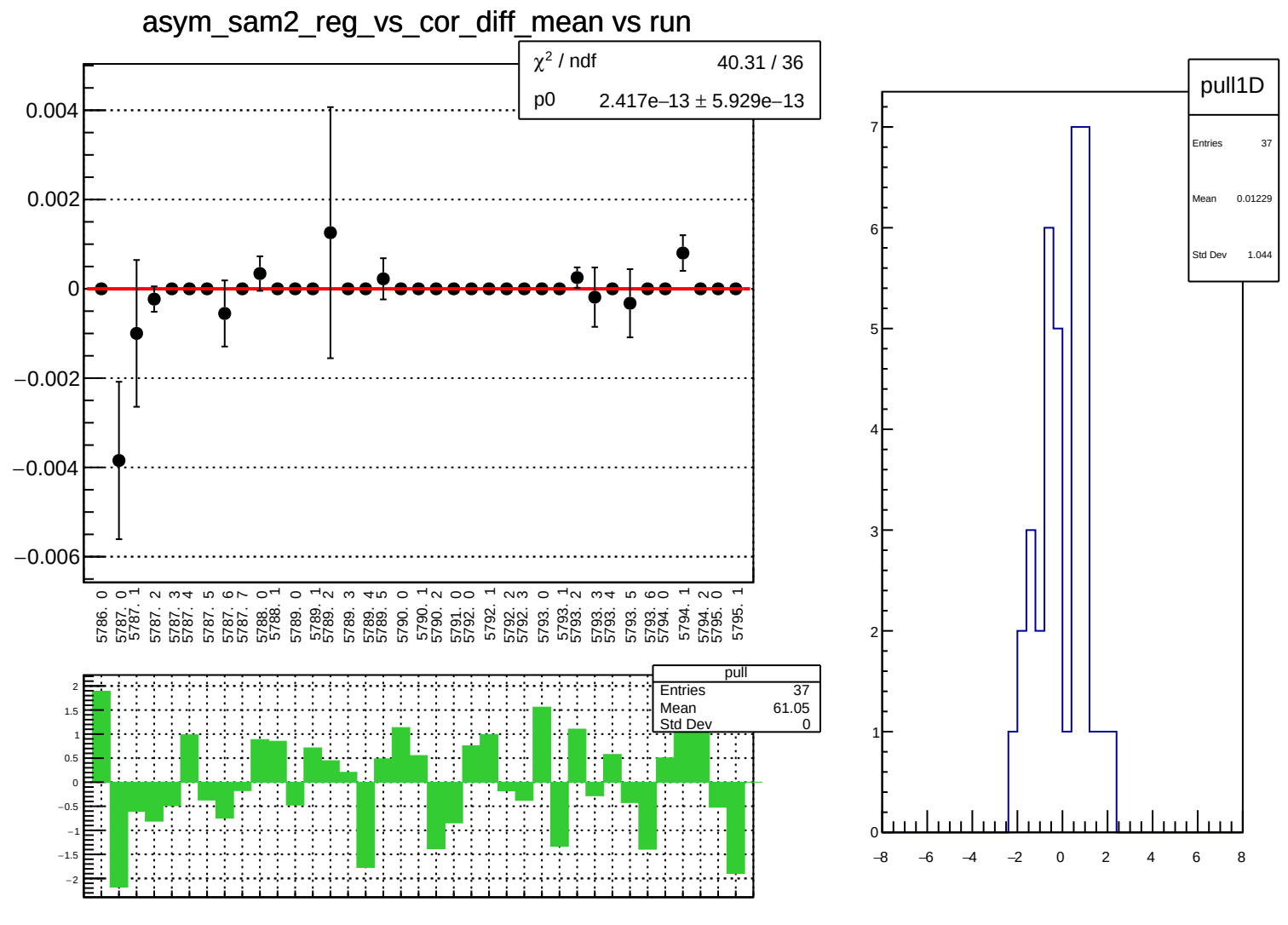

asym_sam2_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.71 / 36
p0 8756 ± 9136
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.852
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

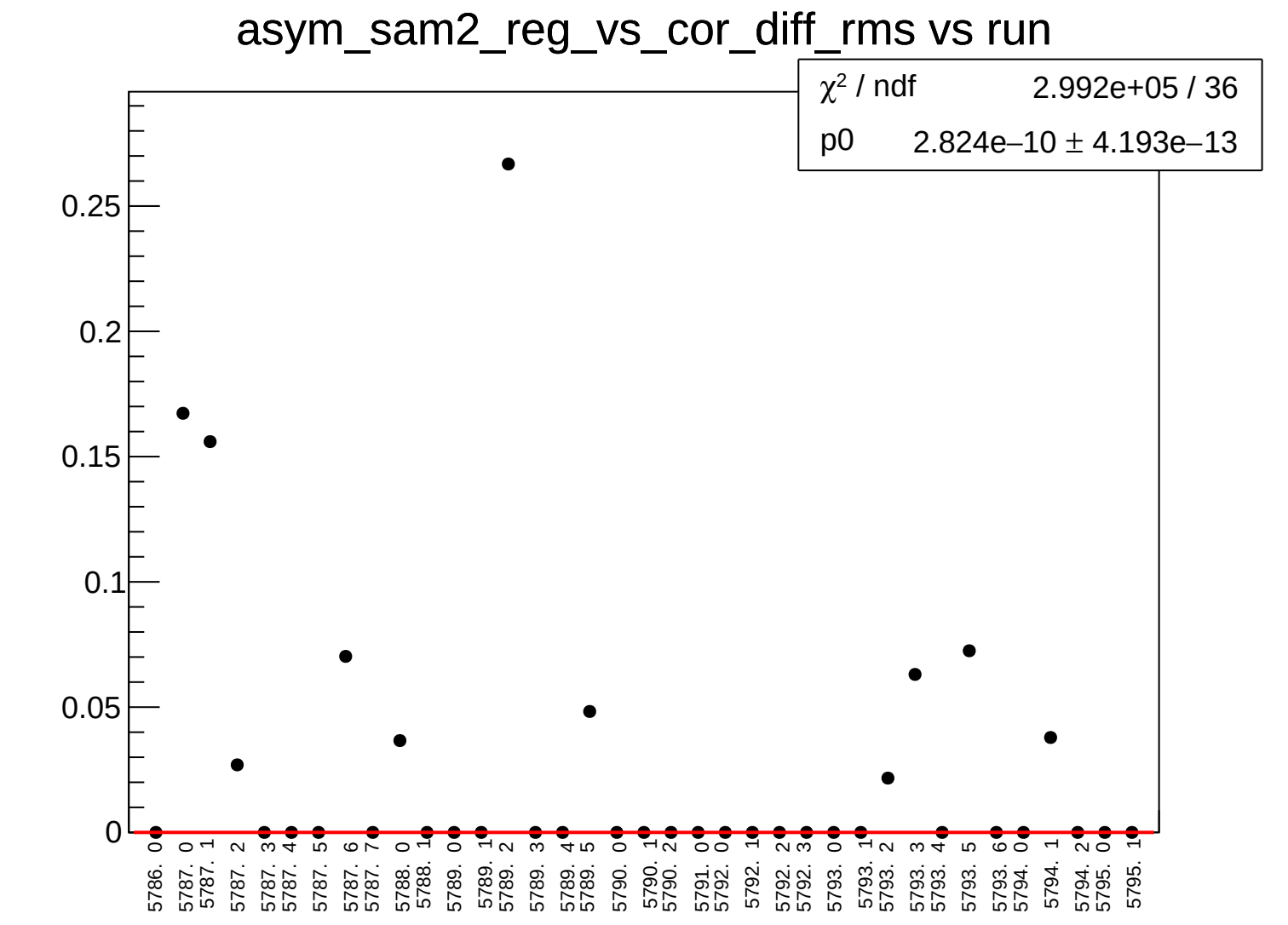

pull1D
Entries 37
Mean 0.01659
Std Dev 1.049
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

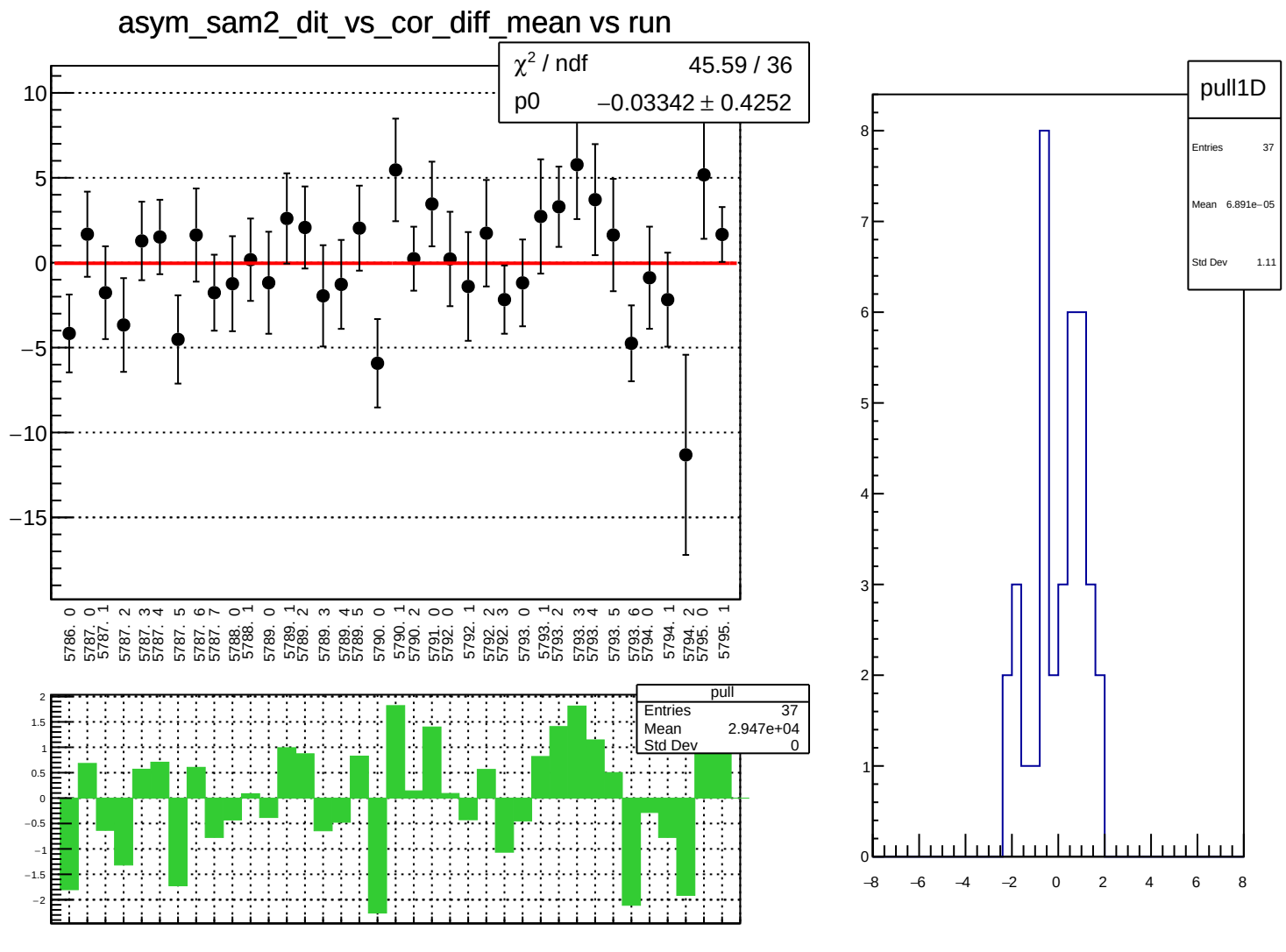

asym_sam2_eigen_dit_correction_rms vs run
χ² / ndf 3545 / 36
p0 5592 ± 6.46
6600
6400
6200
6000
5800
5600
5400
5200
5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

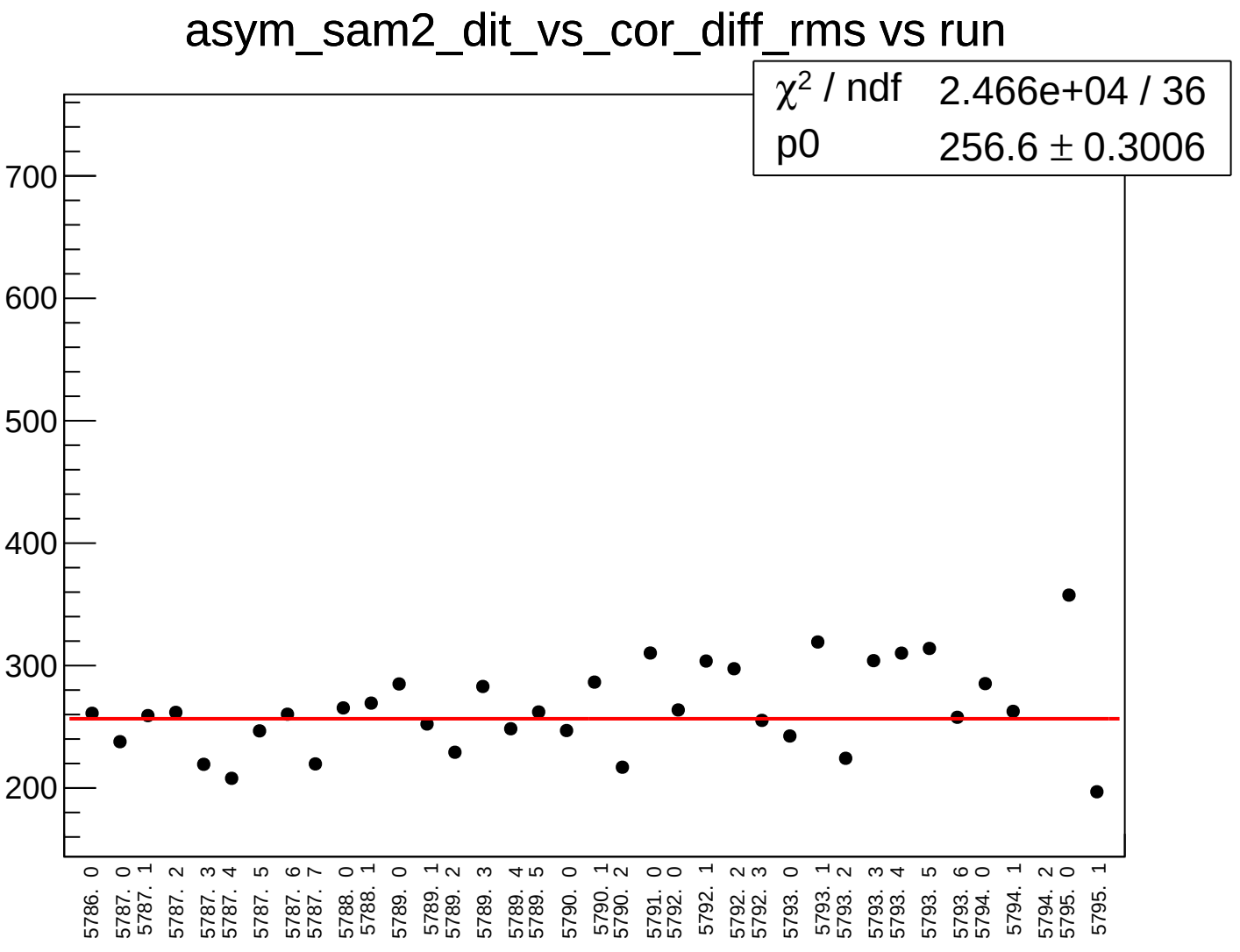

asym_sam2_mean vs run
×10^3
χ^2 / ndf 40.1 / 36
p0 −7748 ± 8849
200
150
100
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.323
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0205
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

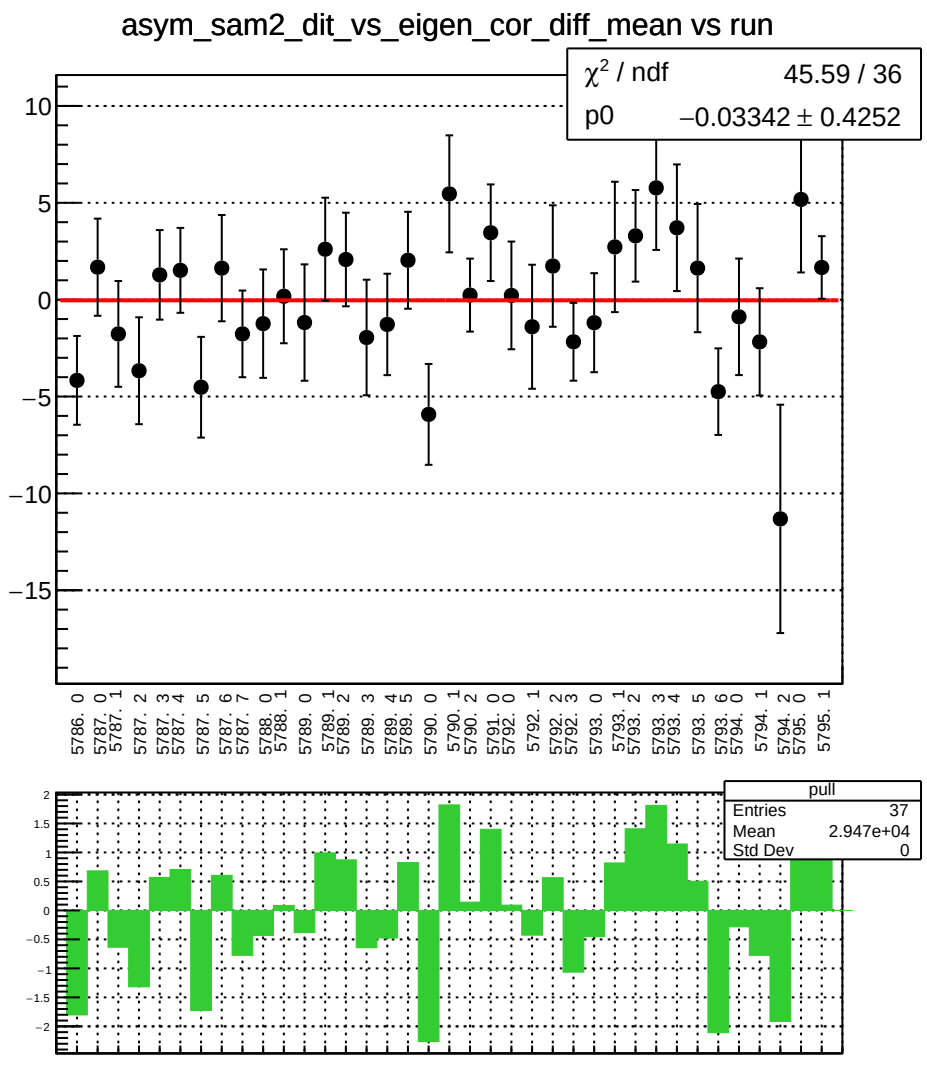

asym_sam2_rms vs run
χ² / ndf 3326 / 36
p0 5418 ± 6.257
6400
6200
6000
5800
5600
5400
5200
5000
4800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

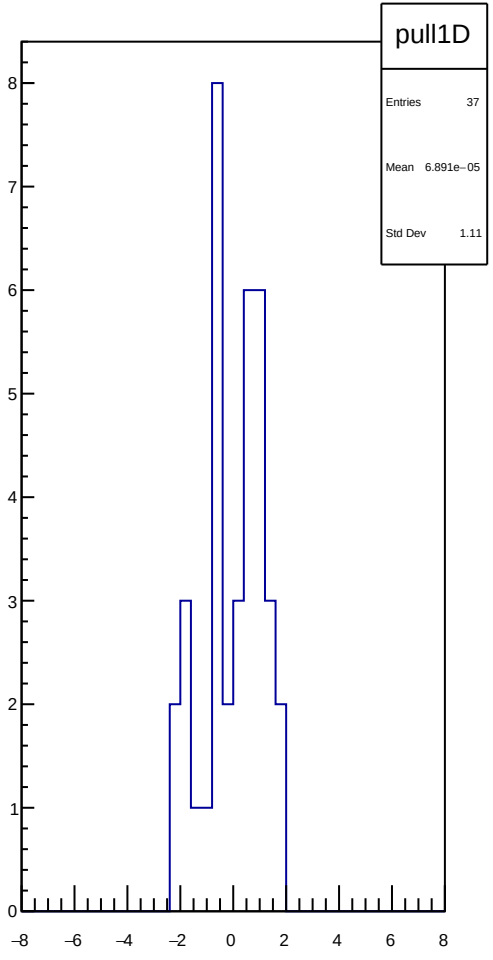

asym_sam2_reg_vs_cor_diff_mean vs run
χ² / ndf 40.31 / 36
p0 2.417e−13 ± 5.929e−13
0.004
0.002
0
−0.002
−0.004
−0.006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 61.05
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01229
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

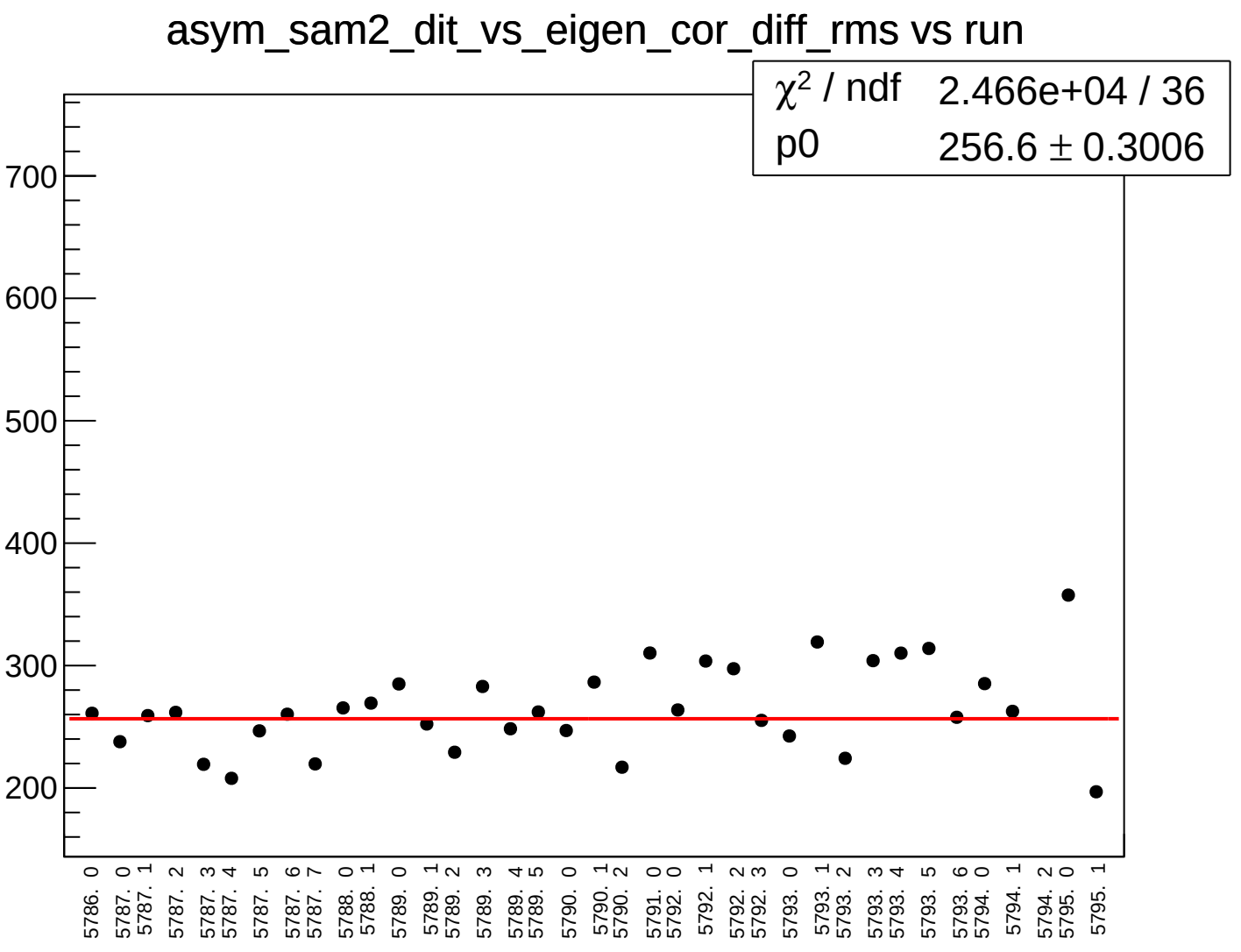

asym_sam2_reg_vs_cor_diff_rms vs run
χ² / ndf 2.992e+05 / 36
p0 2.824e−10 ± 4.193e−13
0.25
0.2
0.15
0.1
0.05
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

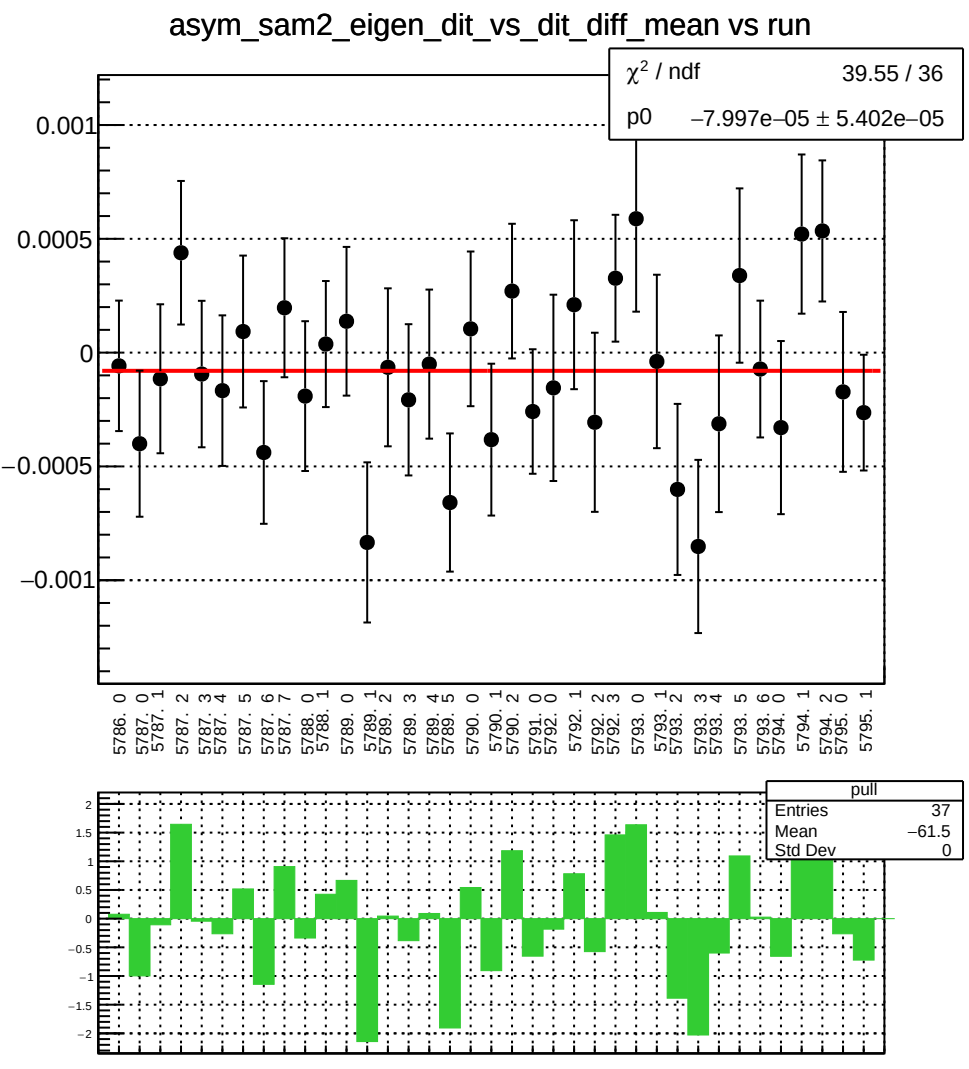

asym_sam2_dit_vs_cor_diff_mean vs run
χ² / ndf 45.59 / 36
p0 −0.03342 ± 0.4252
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2.947e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 6.891e−05
Std Dev 1.11
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

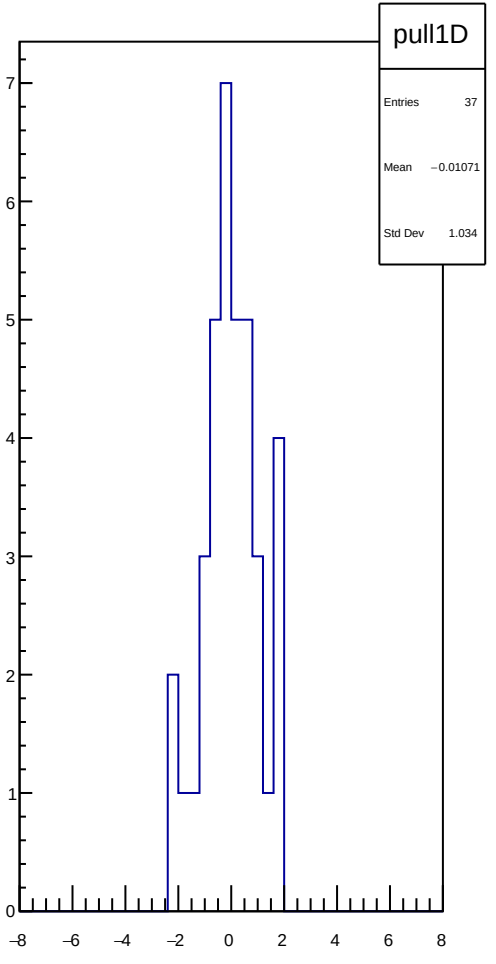

asym_sam2_dit_vs_cor_diff_rms vs run
χ² / ndf 2.466e+04 / 36
p0 256.6 ± 0.3006
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

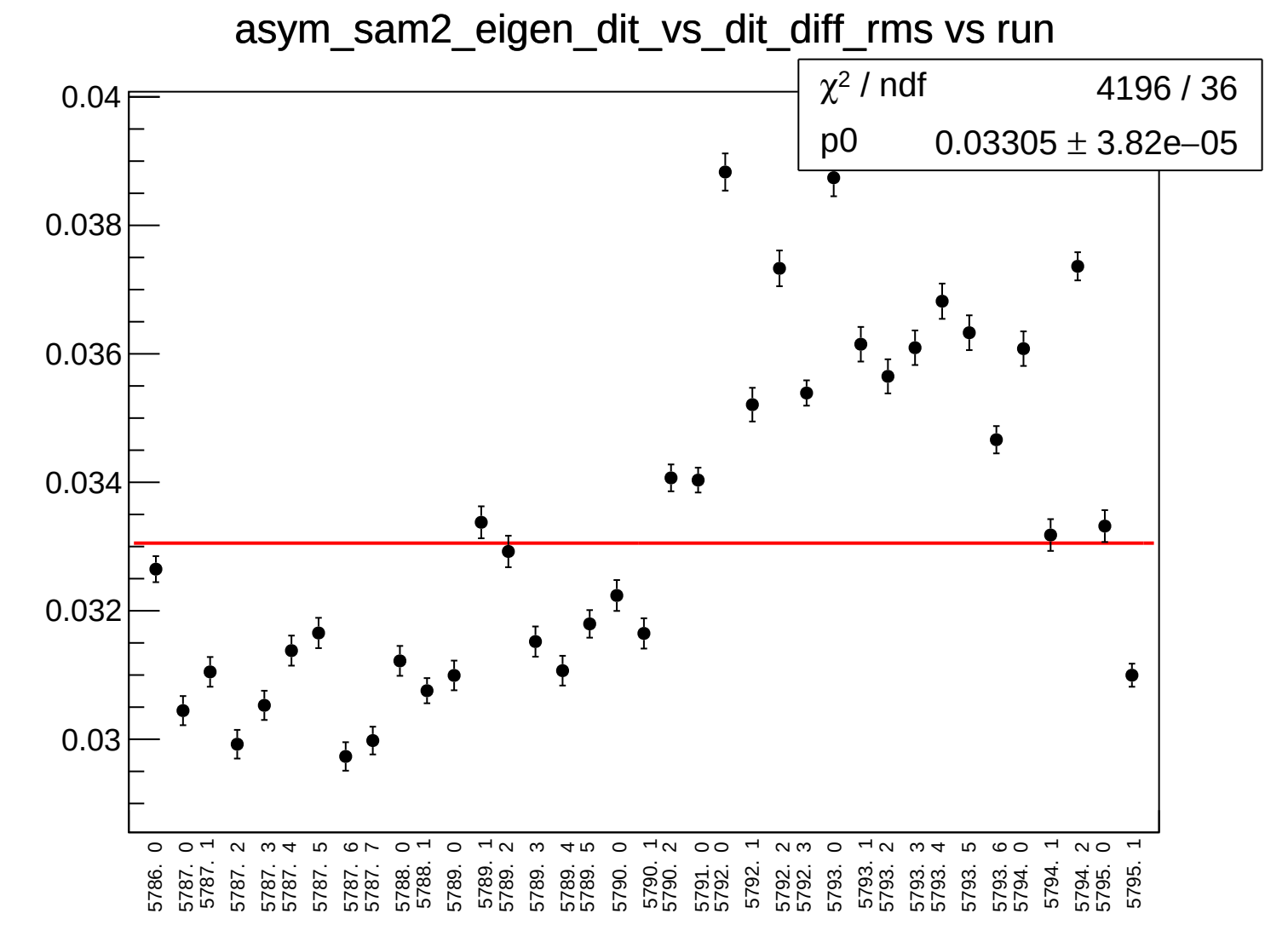

asym_sam2_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.59 / 36
p0 −0.03342 ± 0.4252
pull
Entries 37
Mean 2.947e+04
Std Dev 0

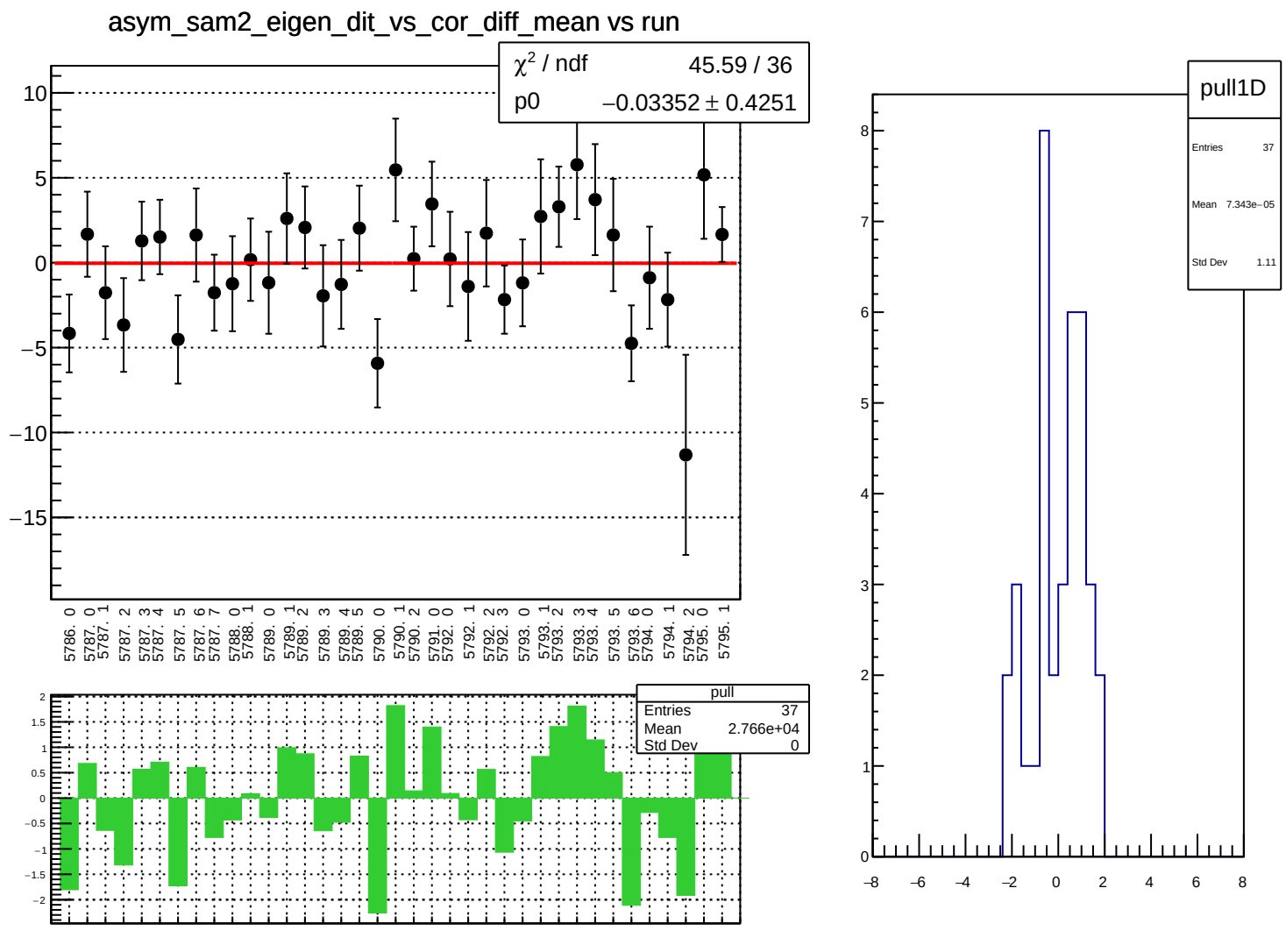

pull1D
Entries 37
Mean 6.891e−05
Std Dev 1.11

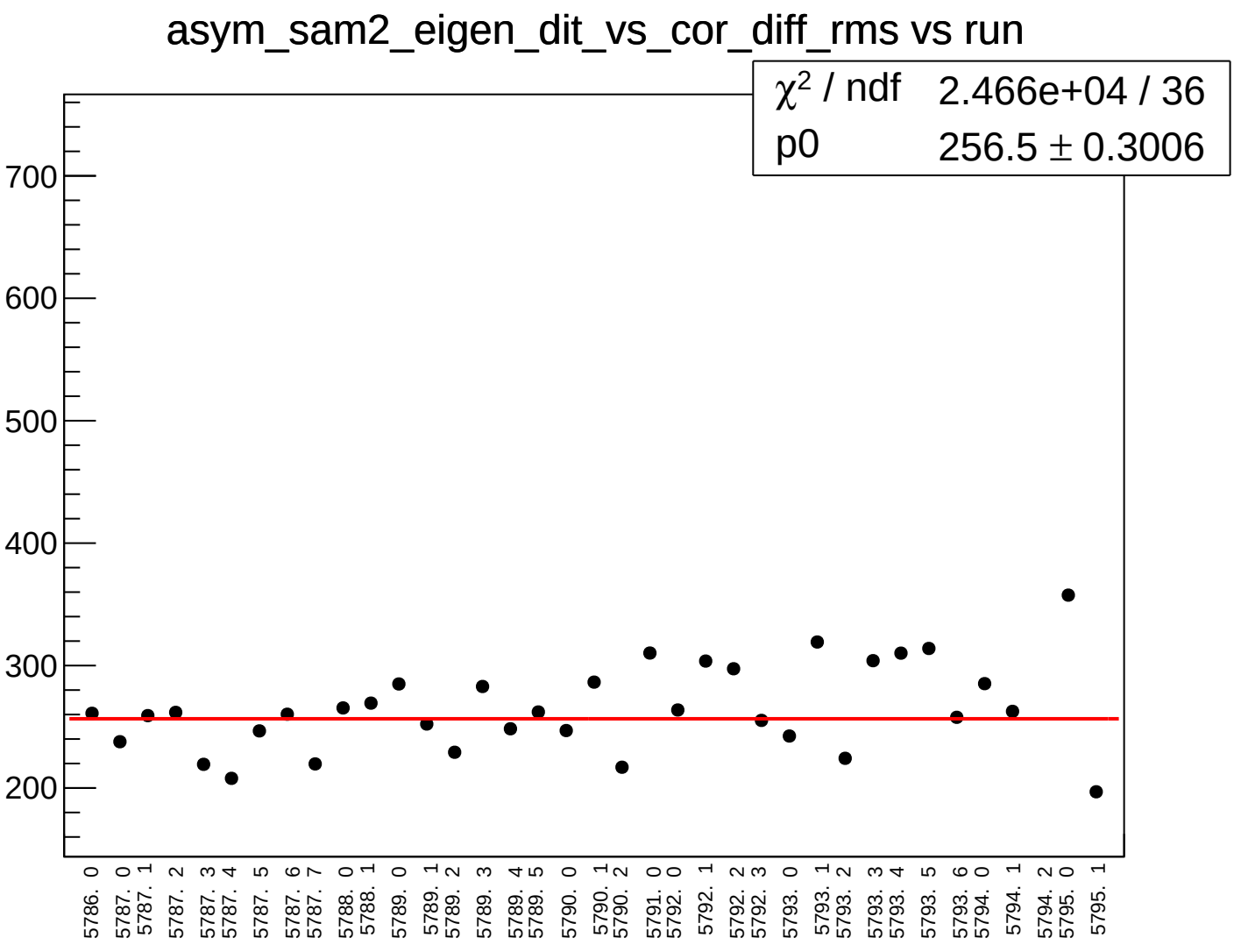

asym_sam2_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.466e+04 / 36
p0 256.6 ± 0.3006
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

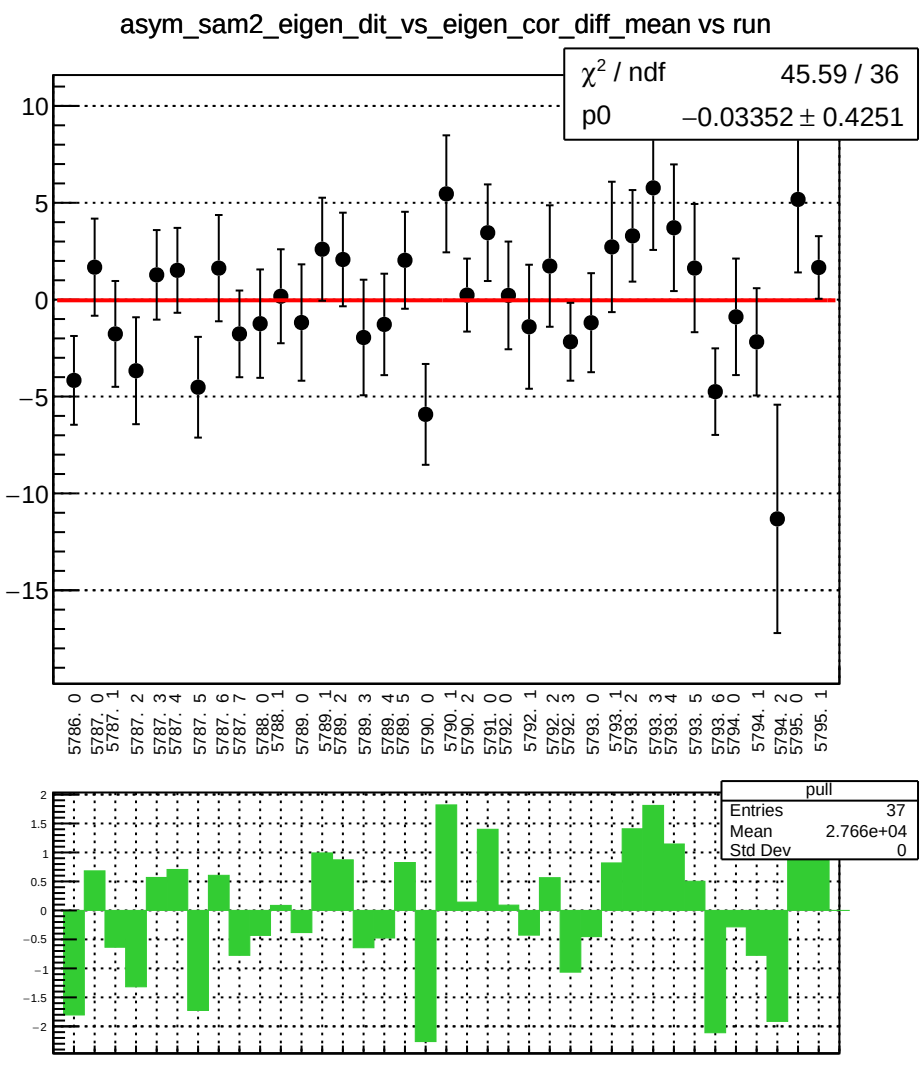

asym_sam2_eigen_dit_vs_dit_diff_mean vs run
χ² / ndf 39.55 / 36
p0 −7.997e−05 ± 5.402e−05
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −61.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

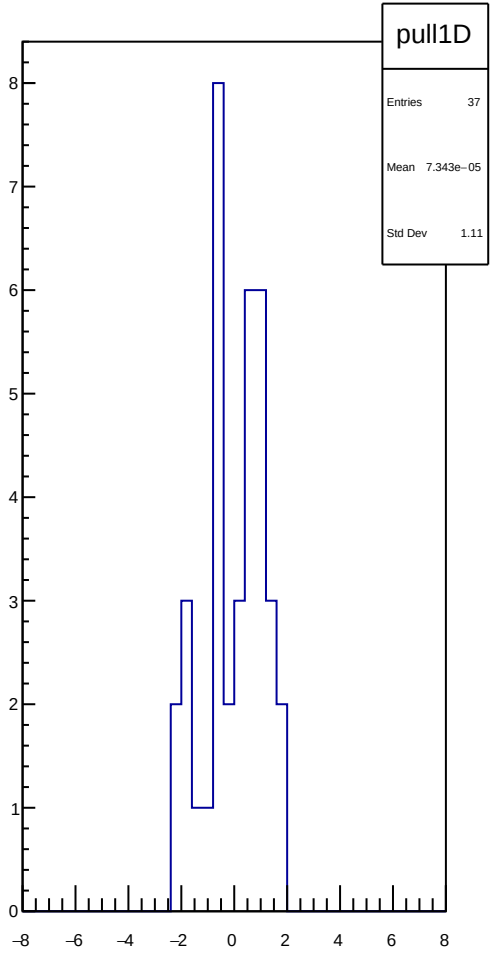

pull1D
Entries 37
Mean −0.01071
Std Dev 1.034
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

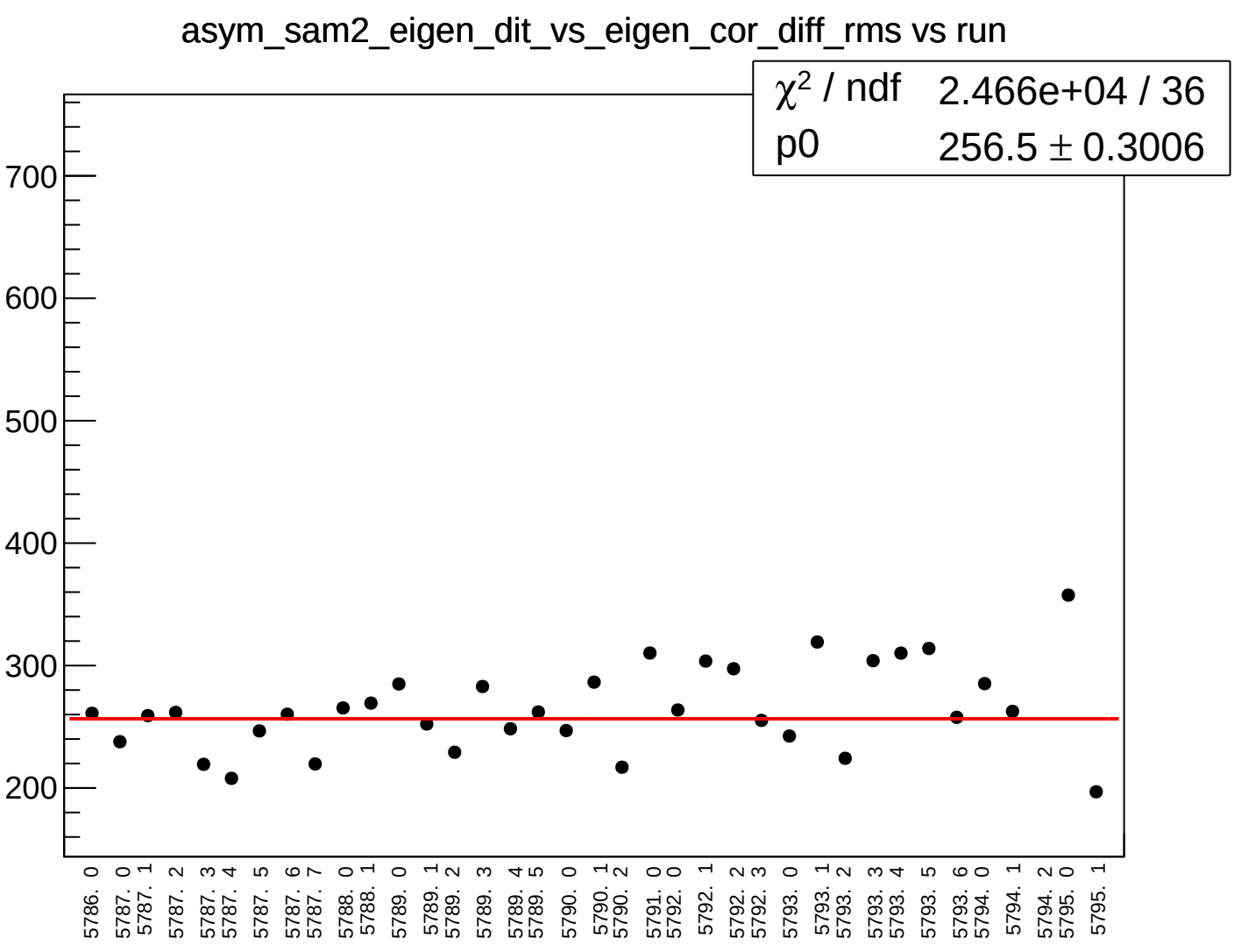

asym_sam2_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4196 / 36
p0 0.03305 ± 3.82e−05
0.04
0.038
0.036
0.034
0.032
0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

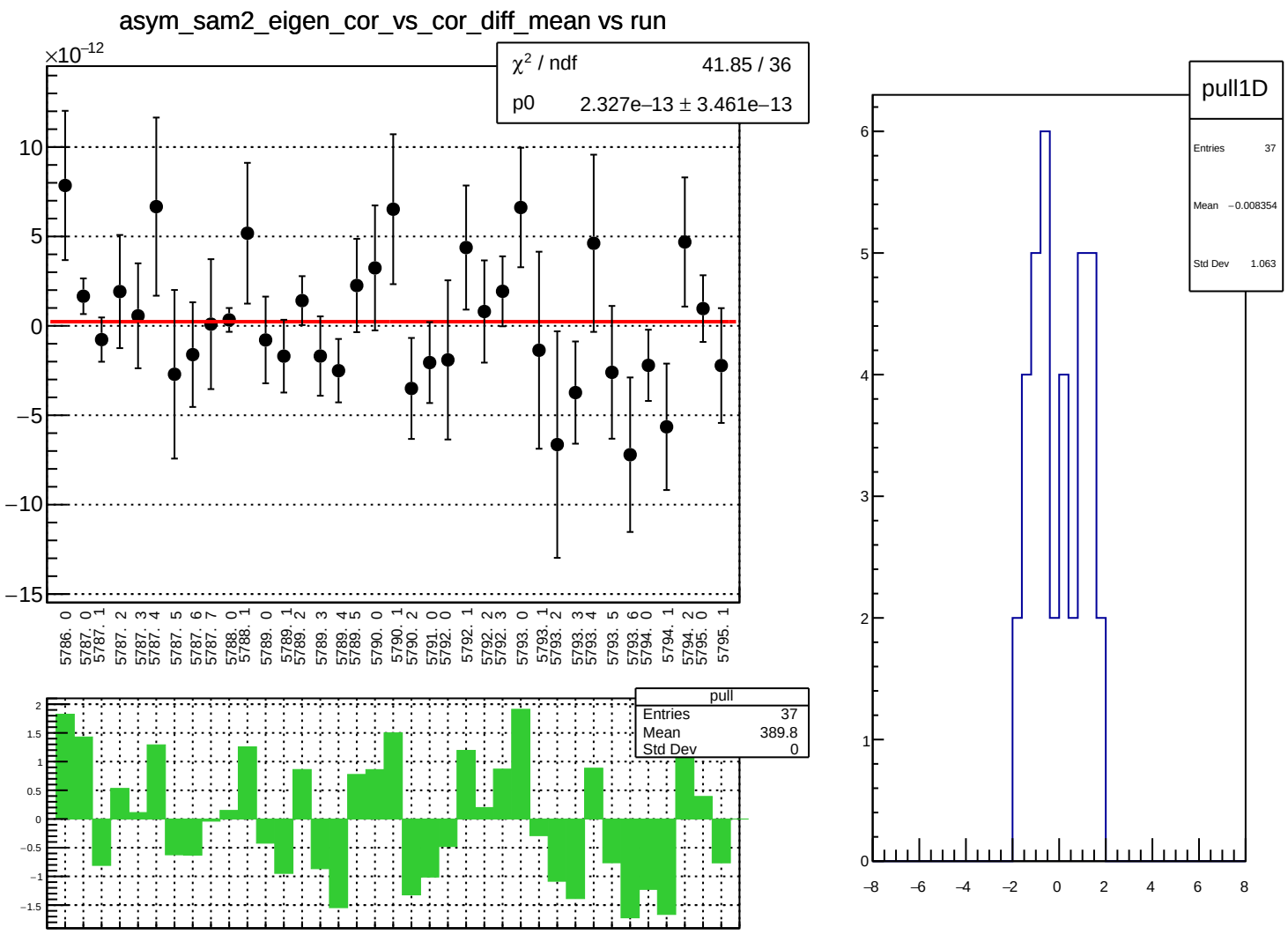

asym_sam2_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.59 / 36
p0 −0.03352 ± 0.4251
pull
Entries 37
Mean 2.766e+04
Std Dev 0
pull1D
Entries 37
Mean 7.343e−05
Std Dev 1.11

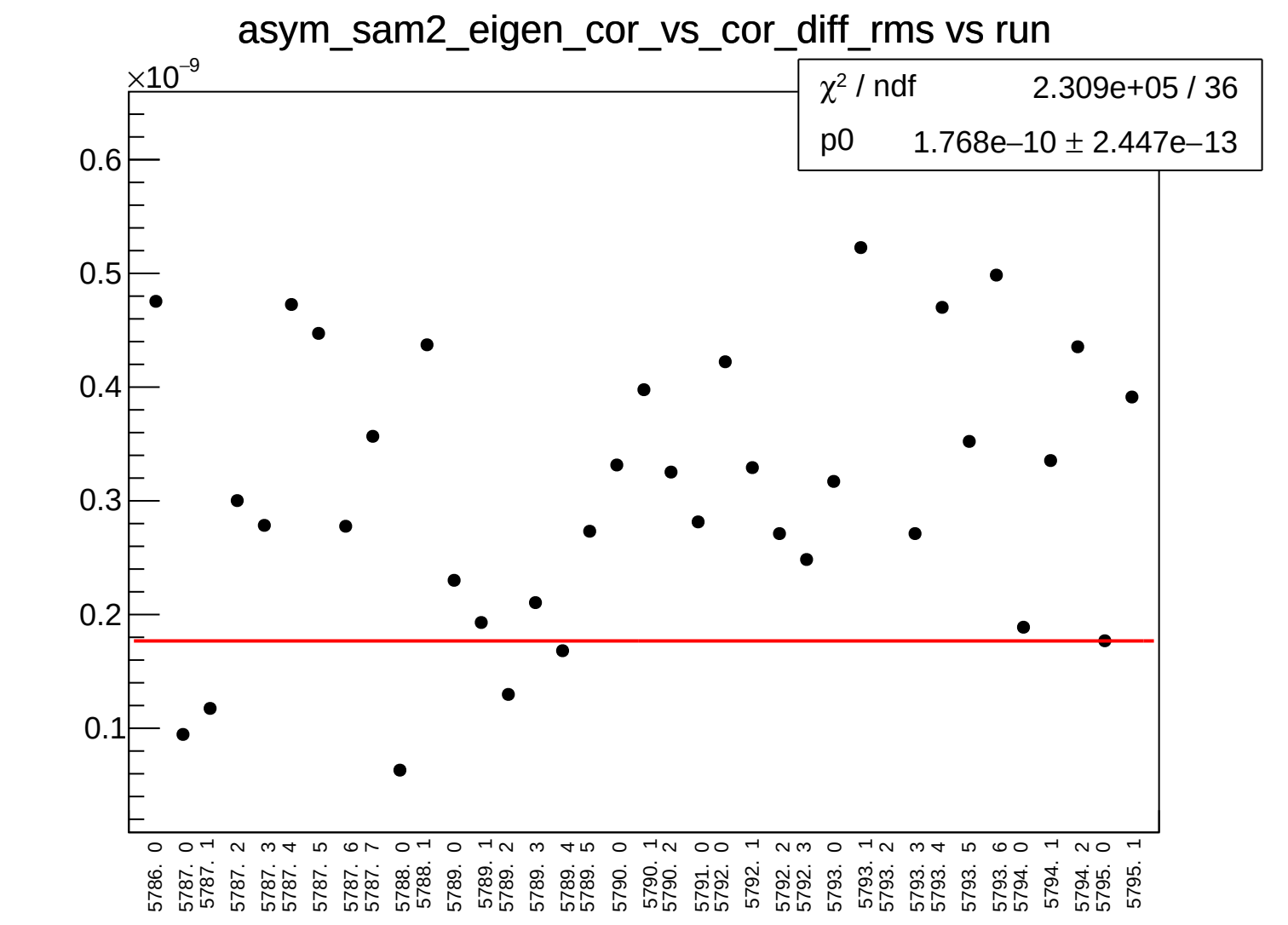

asym_sam2_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.466e+04 / 36
p0 256.5 ± 0.3006
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

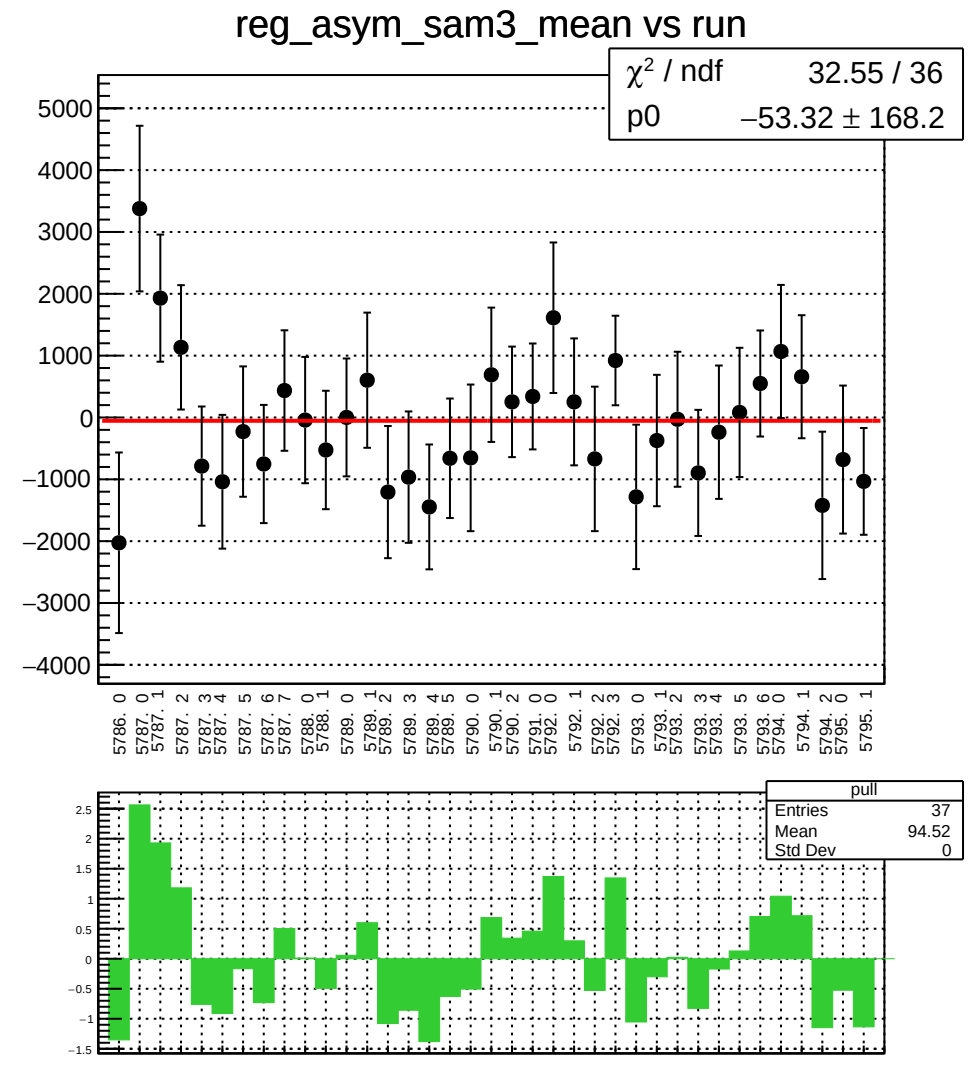

asym_sam2_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.59 / 36
p0 −0.03352 ± 0.4251
pull
Entries 37
Mean 2.766e+04
Std Dev 0

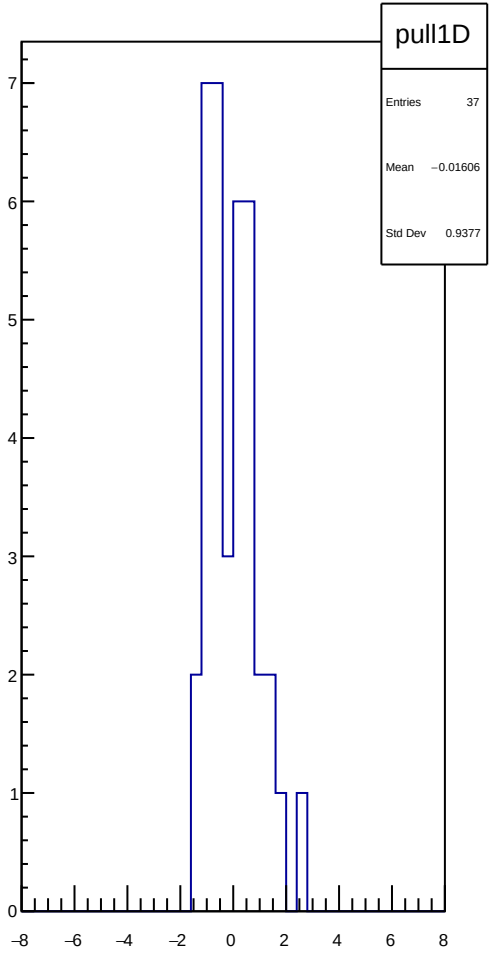

pull1D
Entries 37
Mean 7.343e−05
Std Dev 1.11

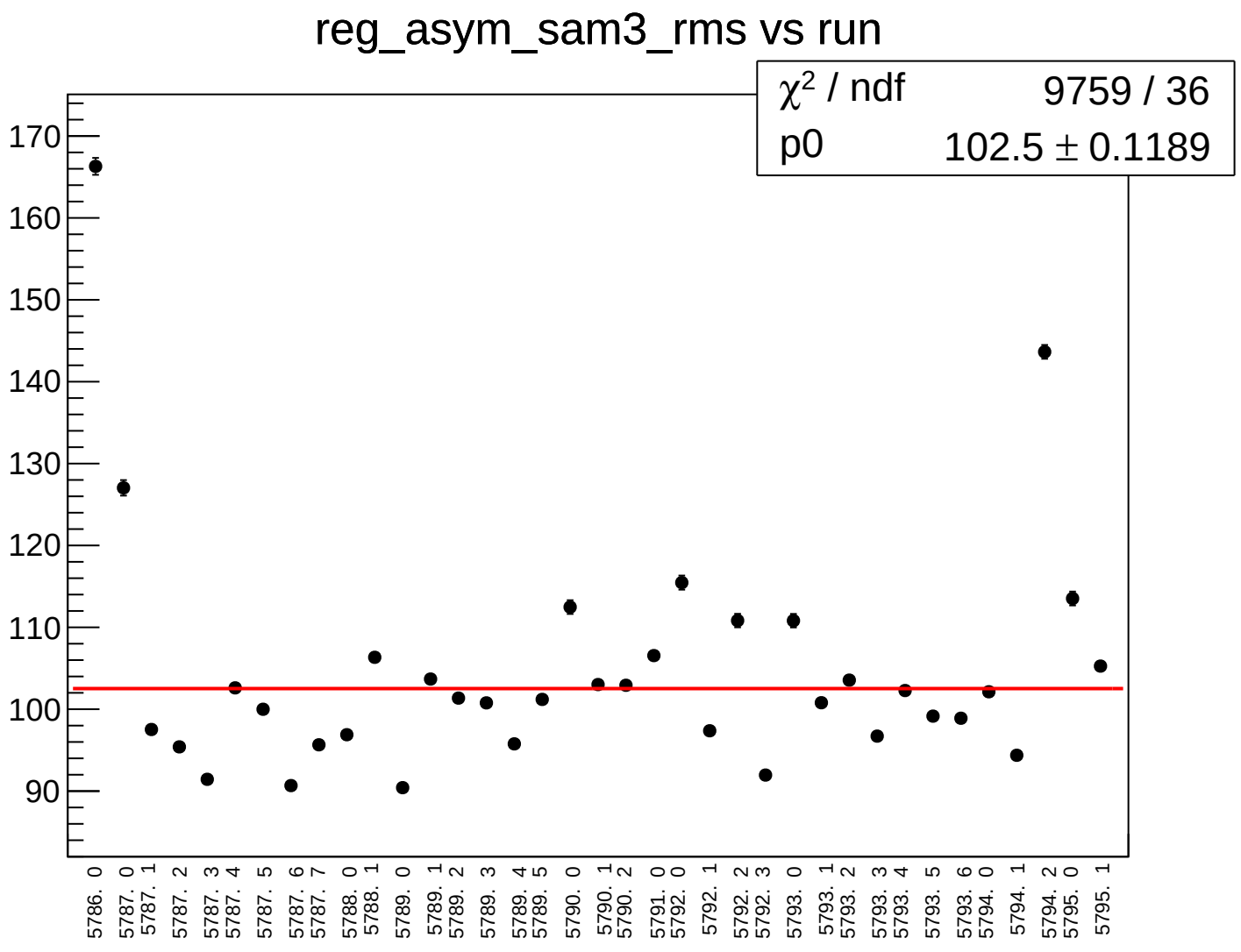

asym_sam2_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.466e+04 / 36
p0 256.5 ± 0.3006
700
600
500
400
300
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

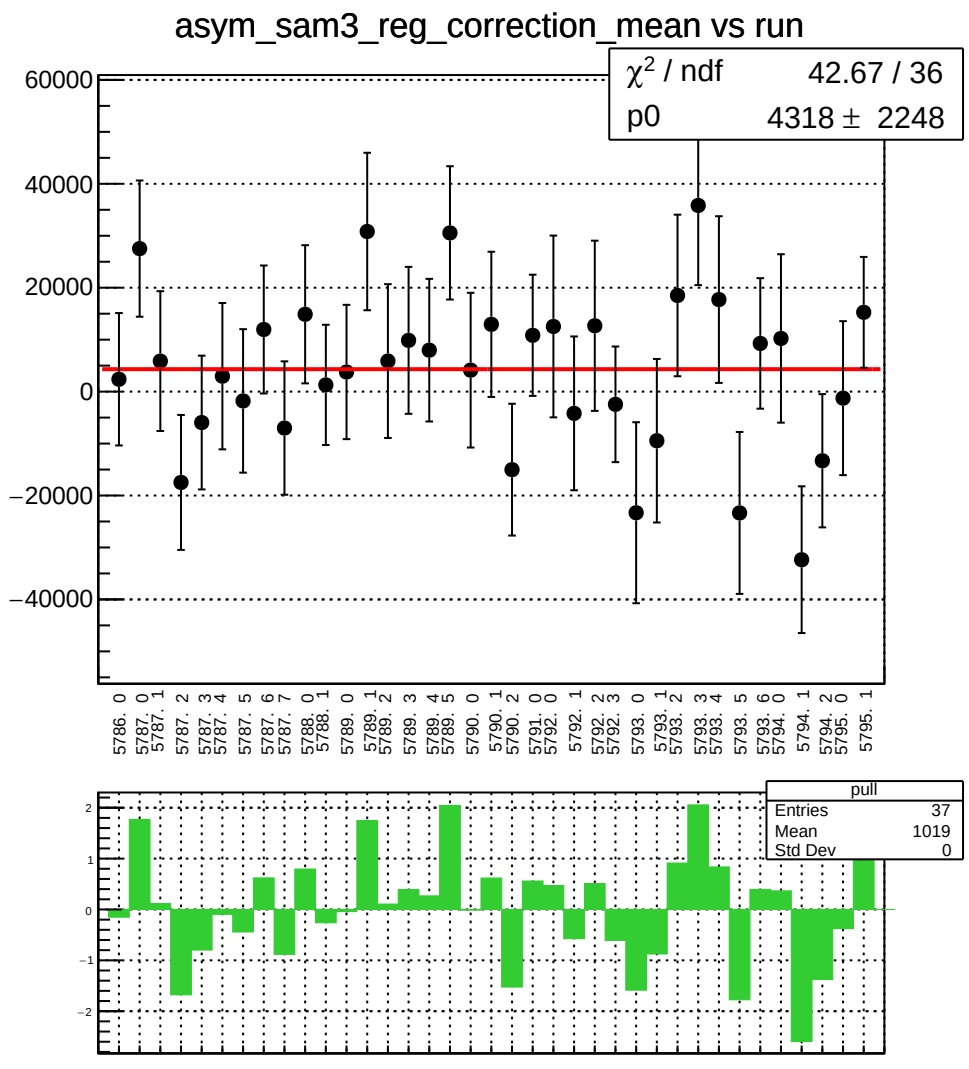

asym_sam2_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.85 / 36
p0 2.327e−13 ± 3.461e−13
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 389.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.008354
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

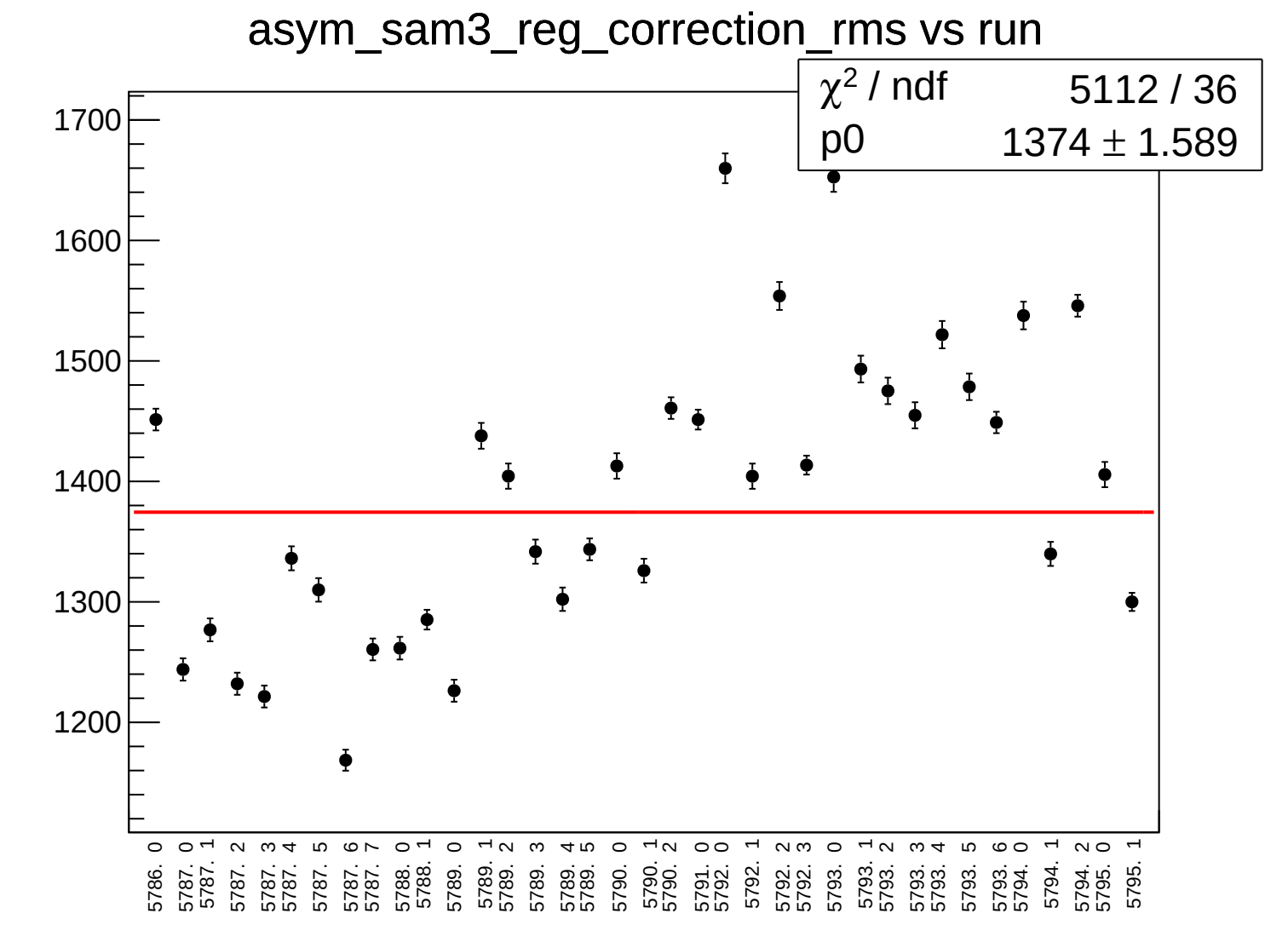

asym_sam2_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.309e+05 / 36
p0 1.768e−10 ± 2.447e−13
0.6
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

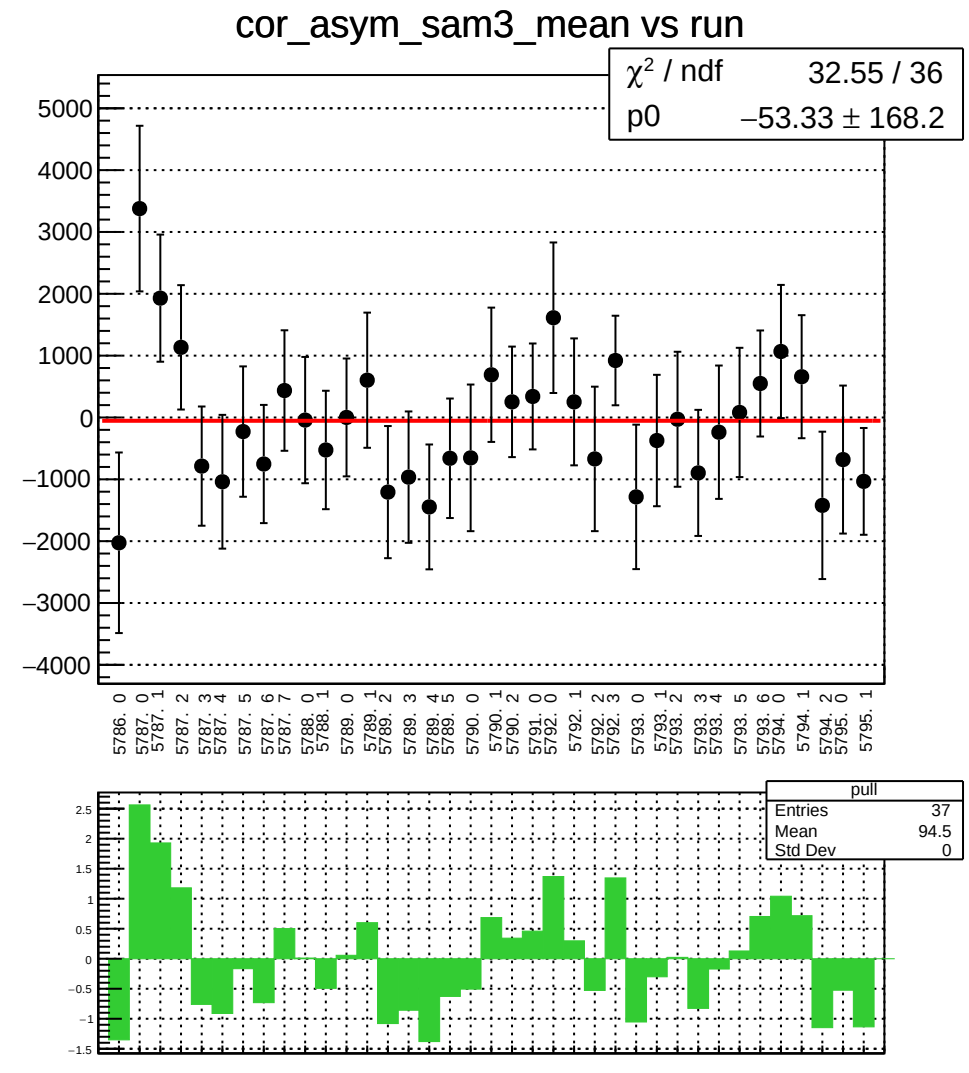

reg_asym_sam3_mean vs run
χ² / ndf 32.55 / 36
p0 −53.32 ± 168.2
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 94.52
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

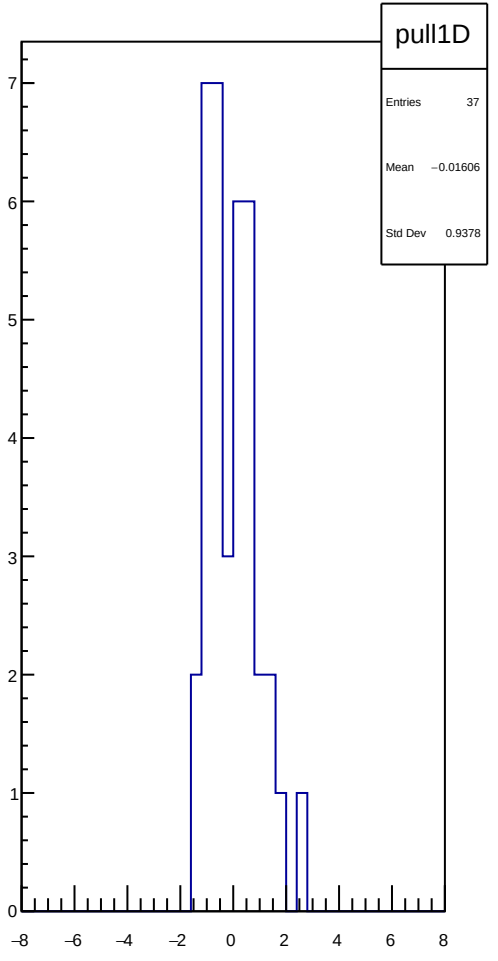

pull1D
Entries 37
Mean −0.01606
Std Dev 0.9377
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam3_rms vs run
χ² / ndf 9759 / 36
p0 102.5 ± 0.1189
170
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam3_reg_correction_mean vs run
χ² / ndf 42.67 / 36
p0 4318 ± 2248
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1019
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.001324
Std Dev 1.074
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_reg_correction_rms vs run
χ^2 / ndf 5112 / 36
p0 1374 ± 1.589
1700
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam3_mean vs run
χ² / ndf 32.55 / 36
p0 −53.33 ± 168.2
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 94.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.01606
Std Dev 0.9378
7
6
5
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3
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1
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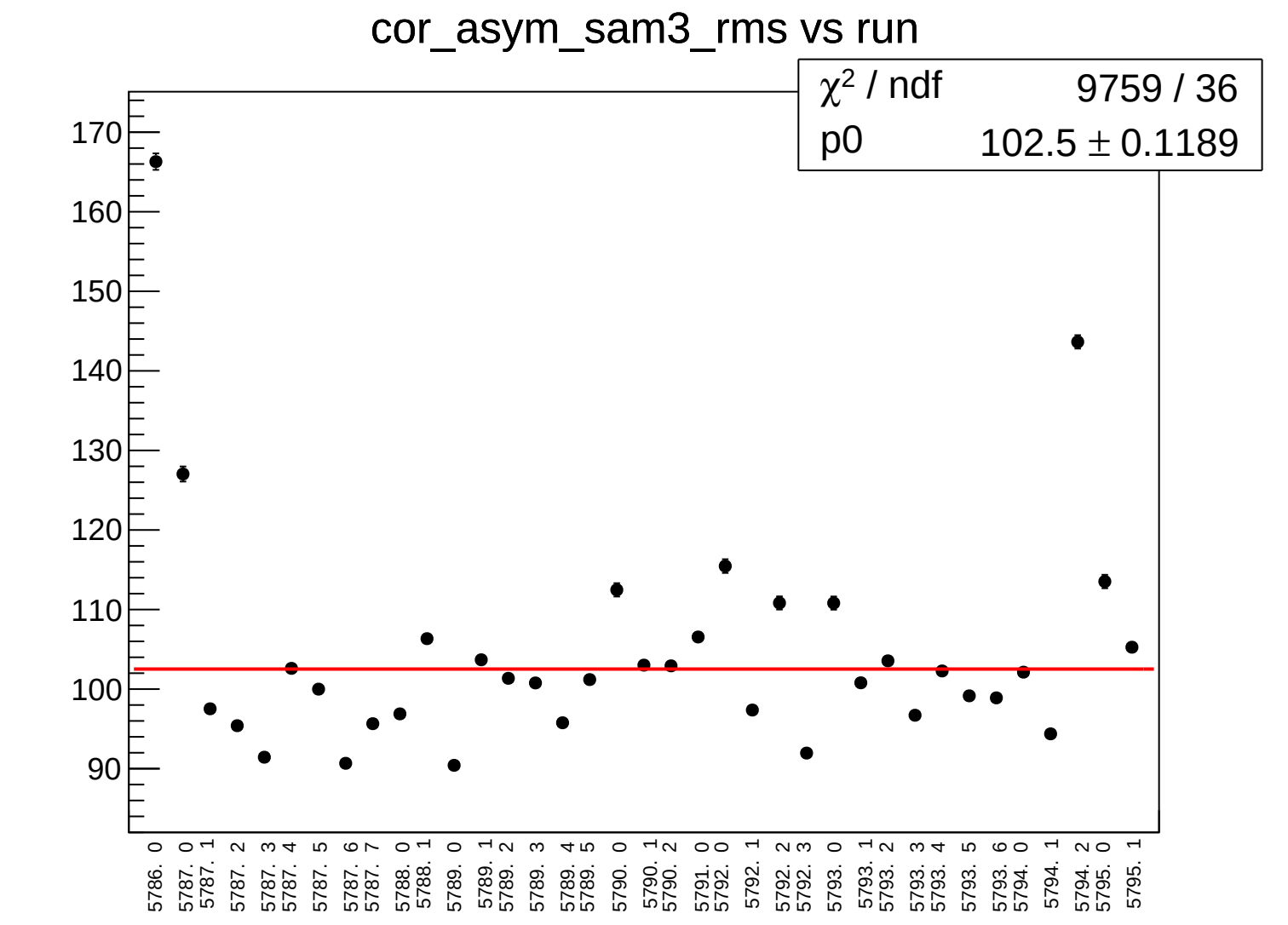
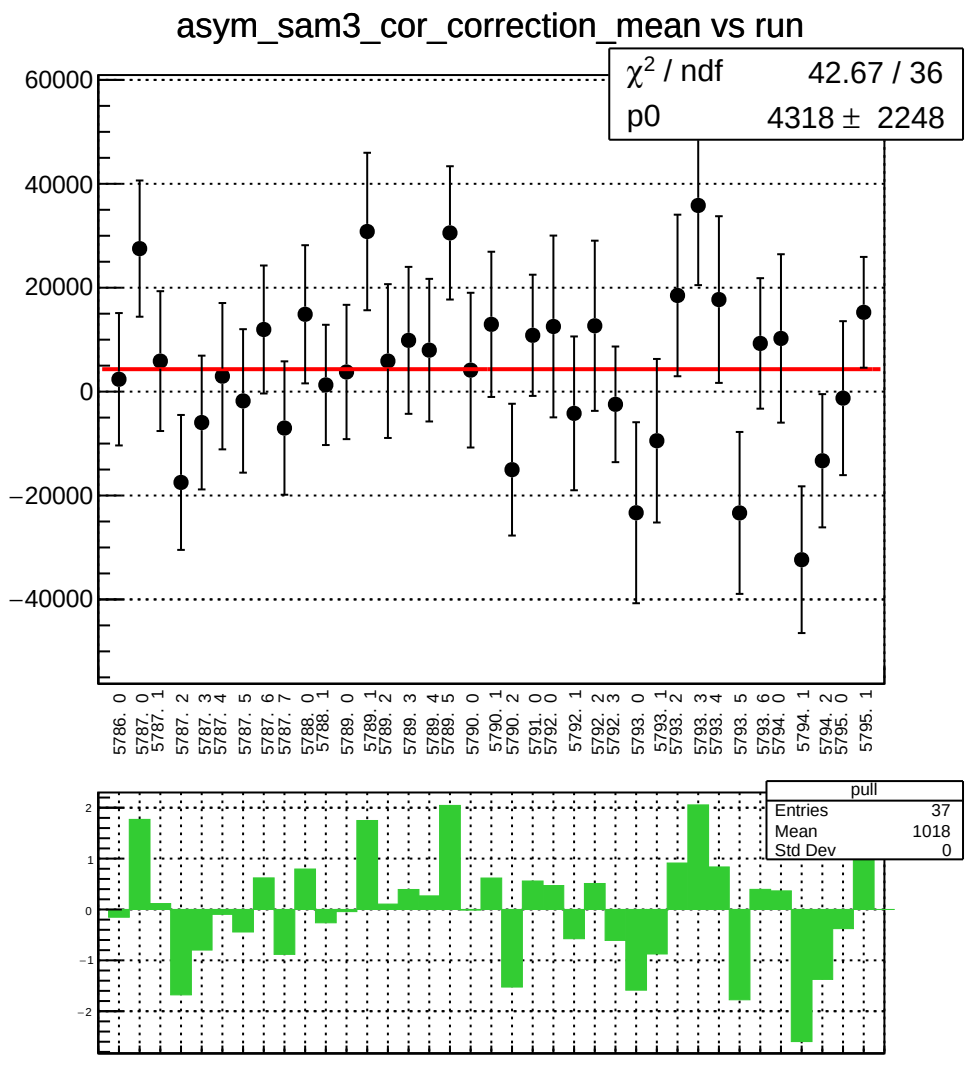
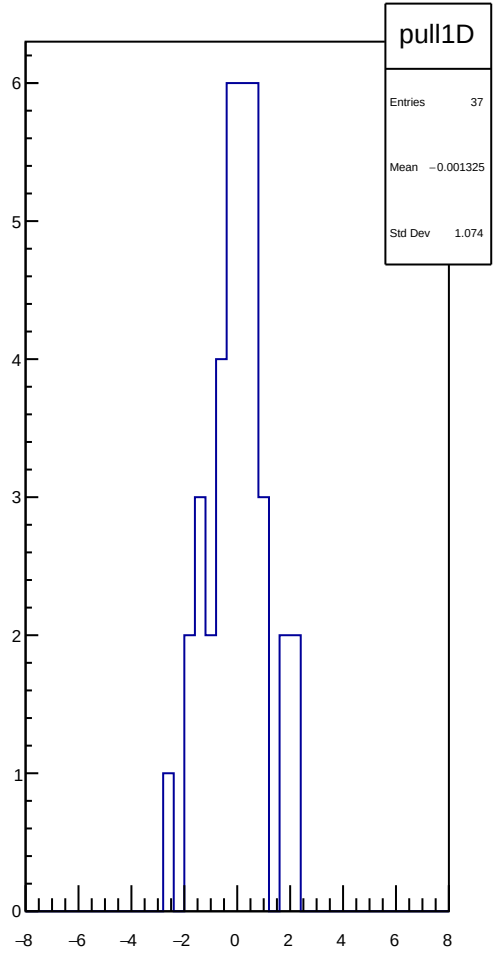
−6
−4
−2
0
2
4
6
8


cor_asym_sam3_rms vs run
χ^2 / ndf 9759 / 36
p0 102.5 ± 0.1189
170
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam3_cor_correction_mean vs run
χ² / ndf 42.67 / 36
p0 4318 ± 2248
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1018
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.001325
Std Dev 1.074
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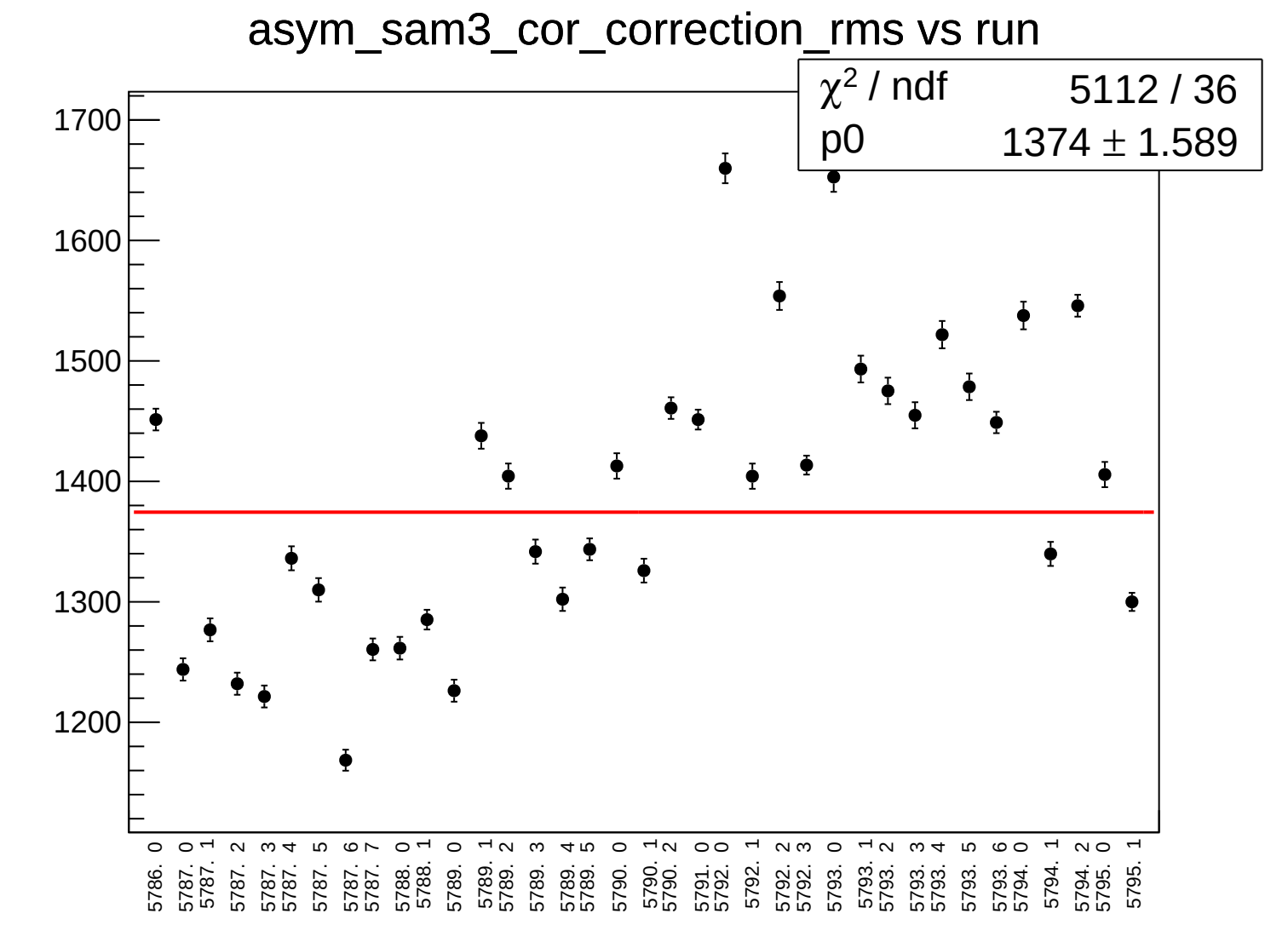
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam3_cor_correction_rms vs run
χ² / ndf 5112 / 36
p0 1374 ± 1.589
1700
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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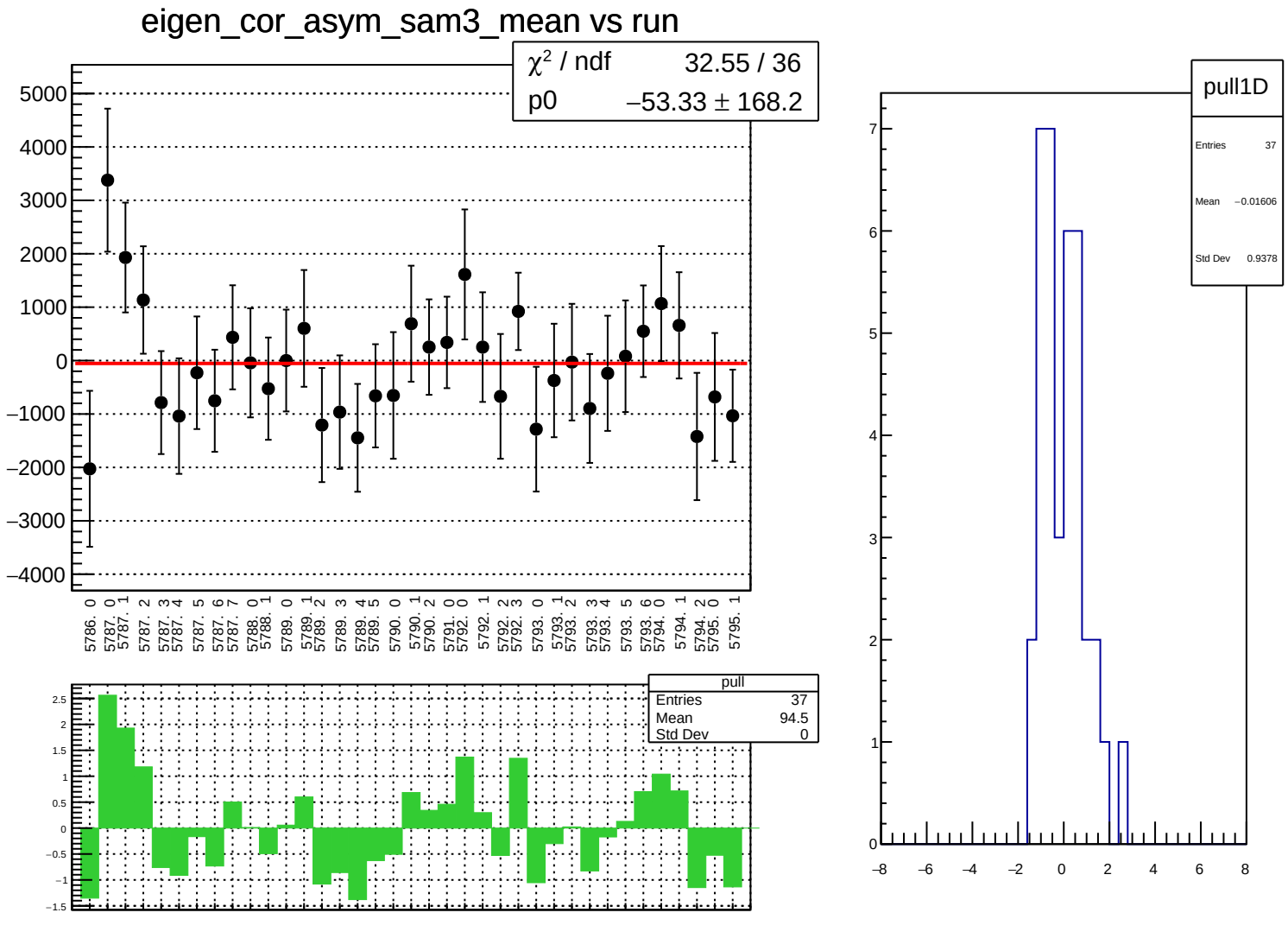
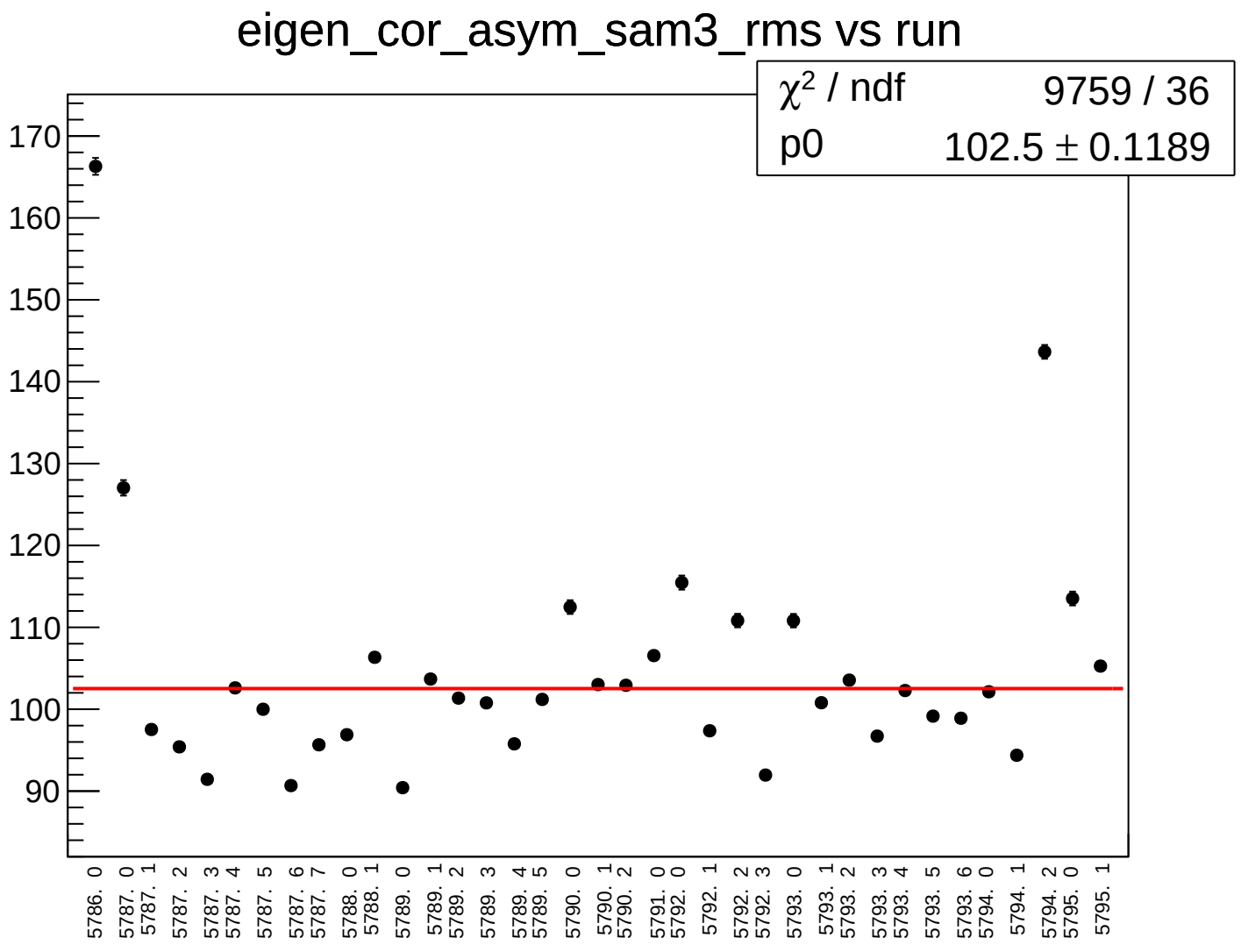
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam3_mean vs run
χ² / ndf 32.55 / 36
p0 −53.33 ± 168.2
pull
Entries 37
Mean 94.5
Std Dev 0
pull1D
Entries 37
Mean −0.01606
Std Dev 0.9378


eigen_cor_asym_sam3_rms vs run
χ² / ndf 9759 / 36
p0 102.5 ± 0.1189
170
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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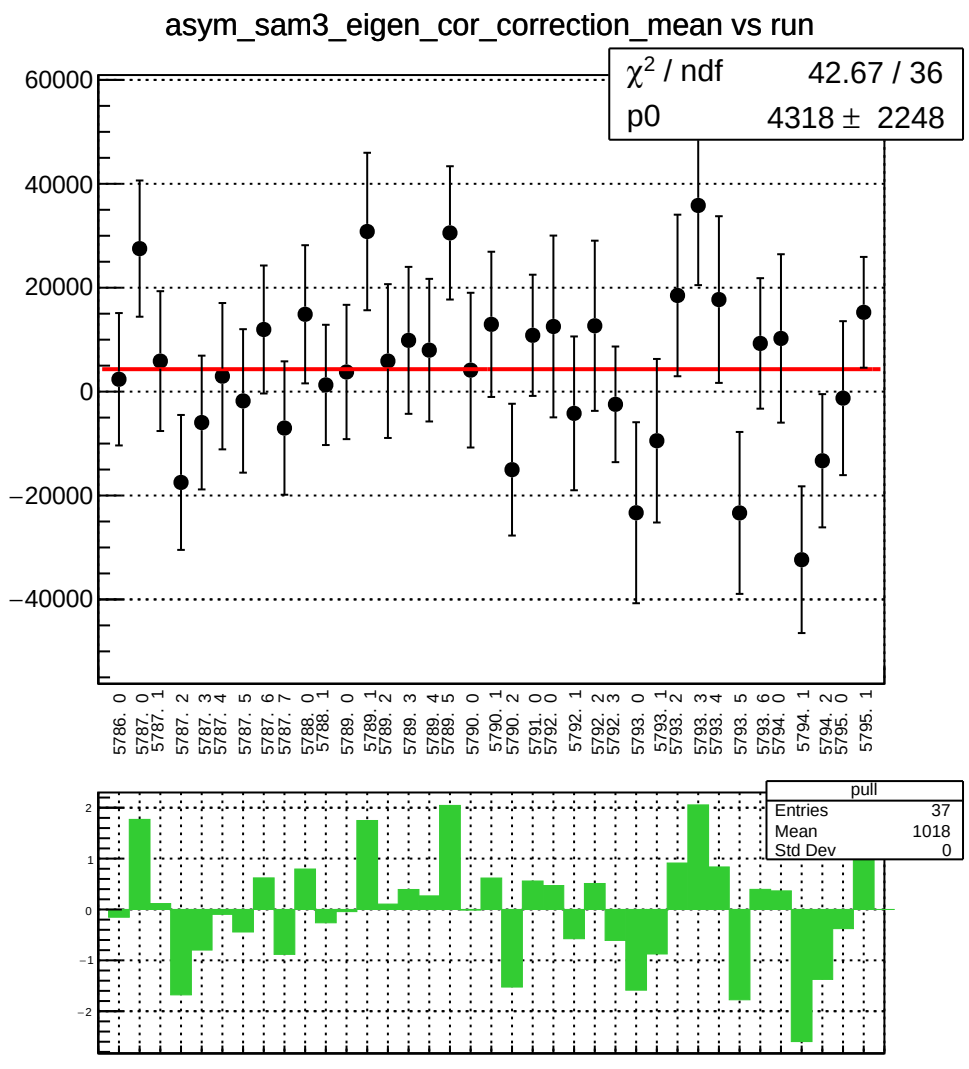
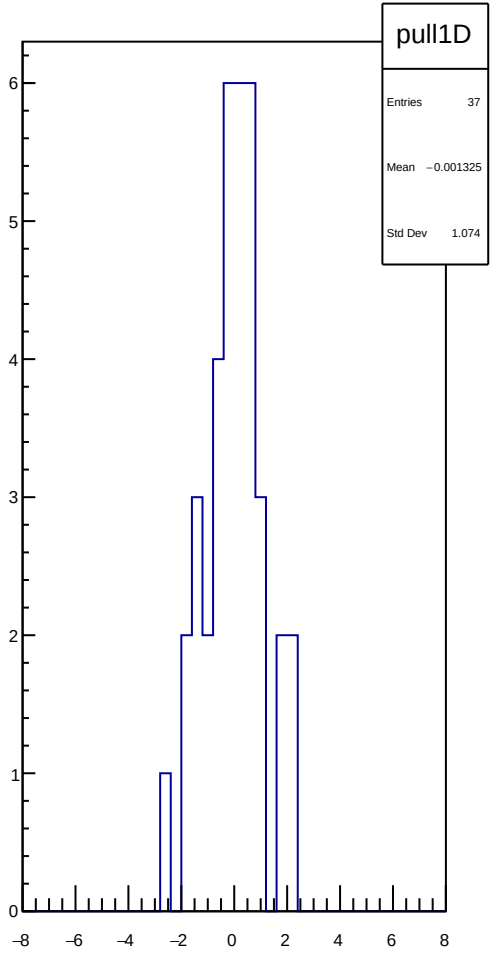
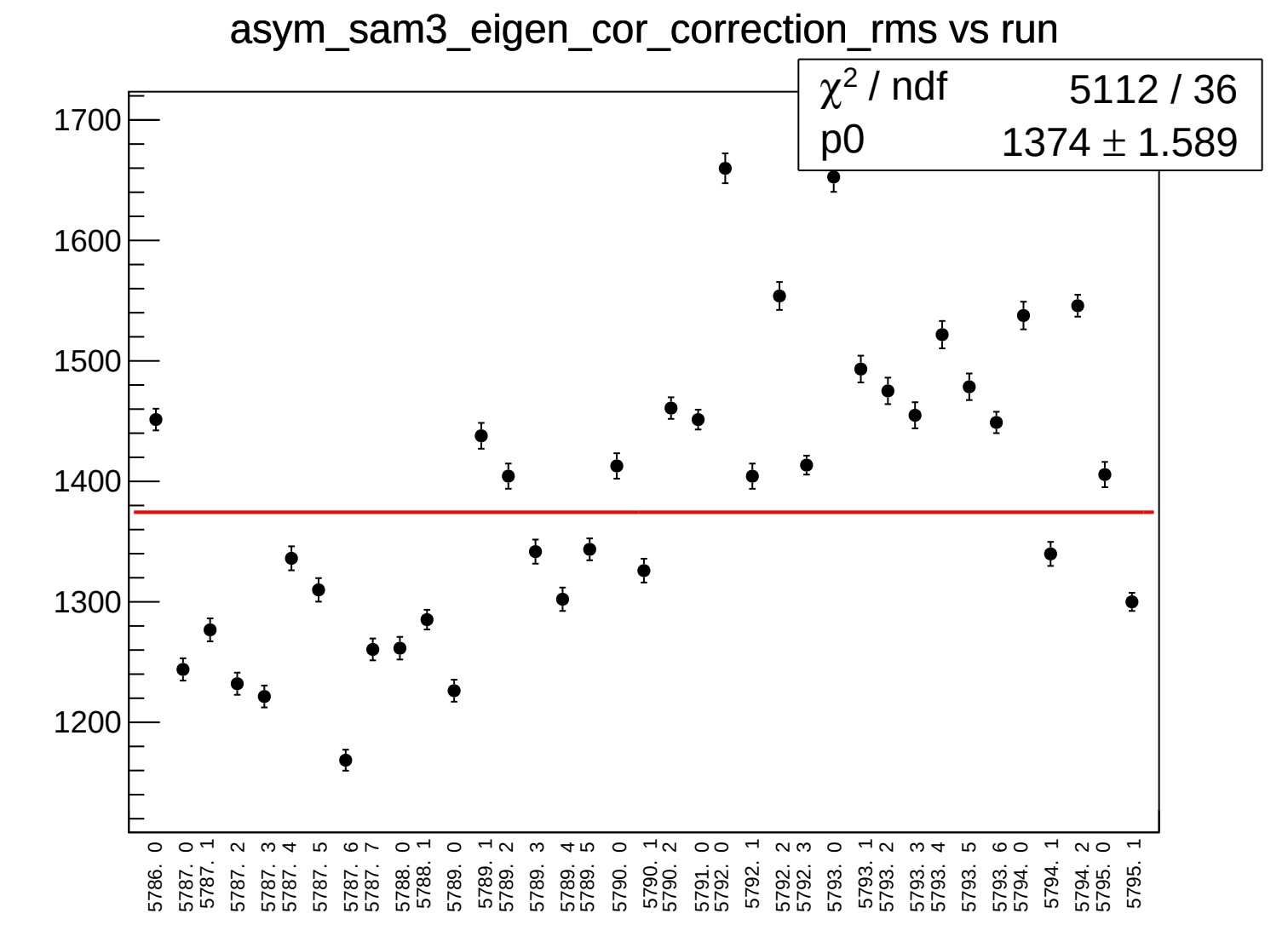
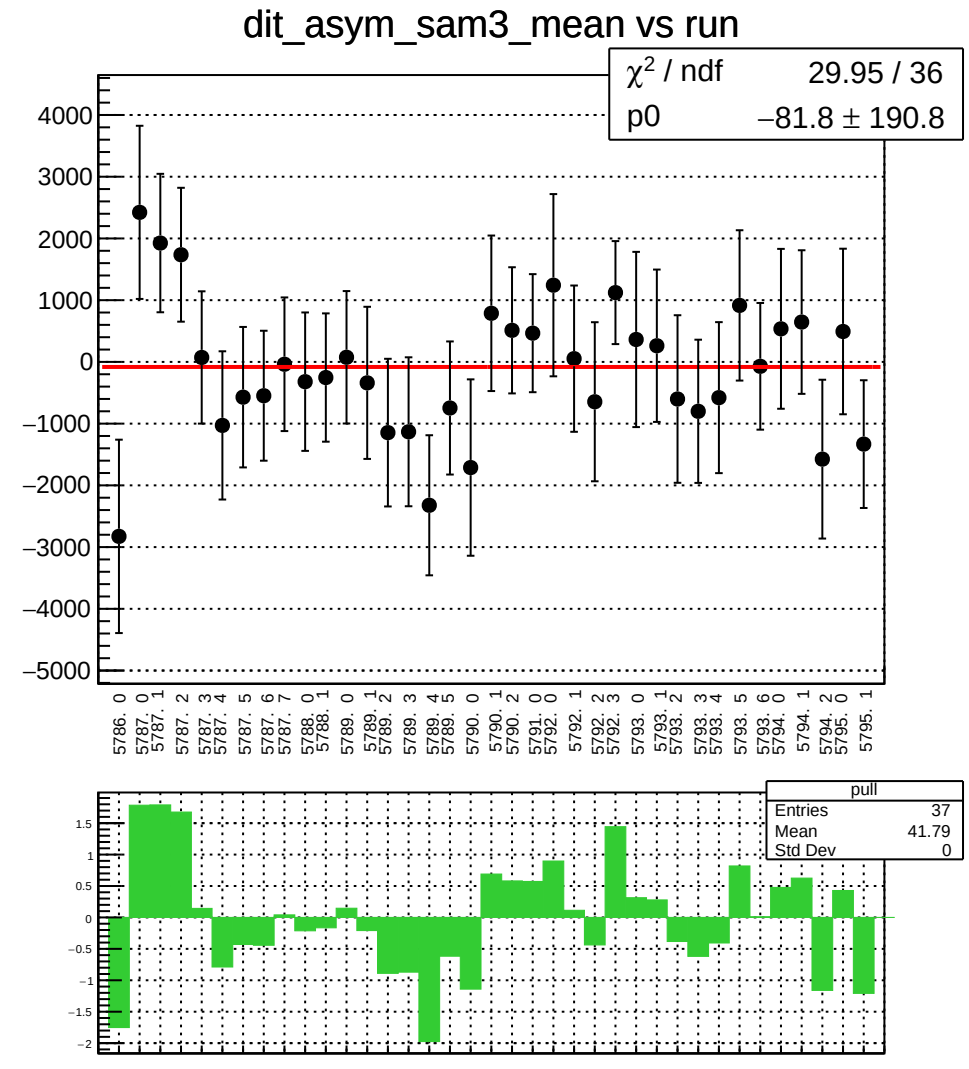
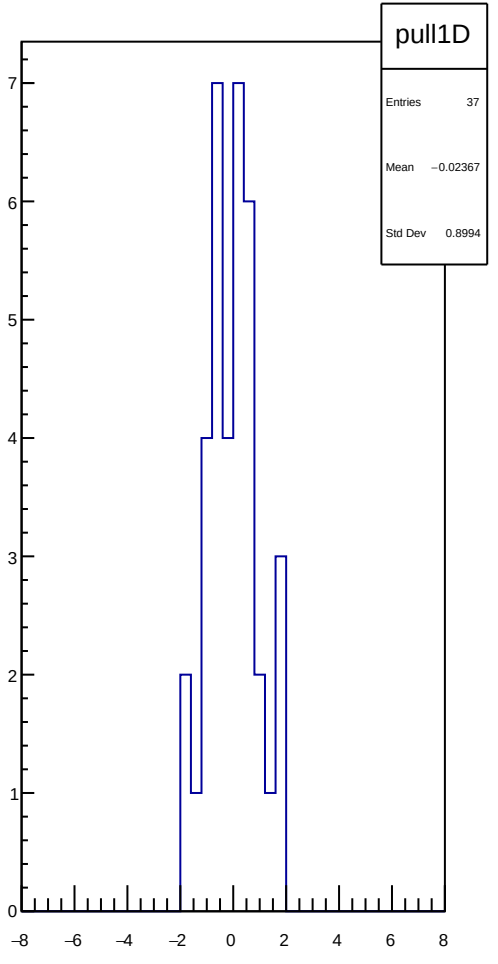
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

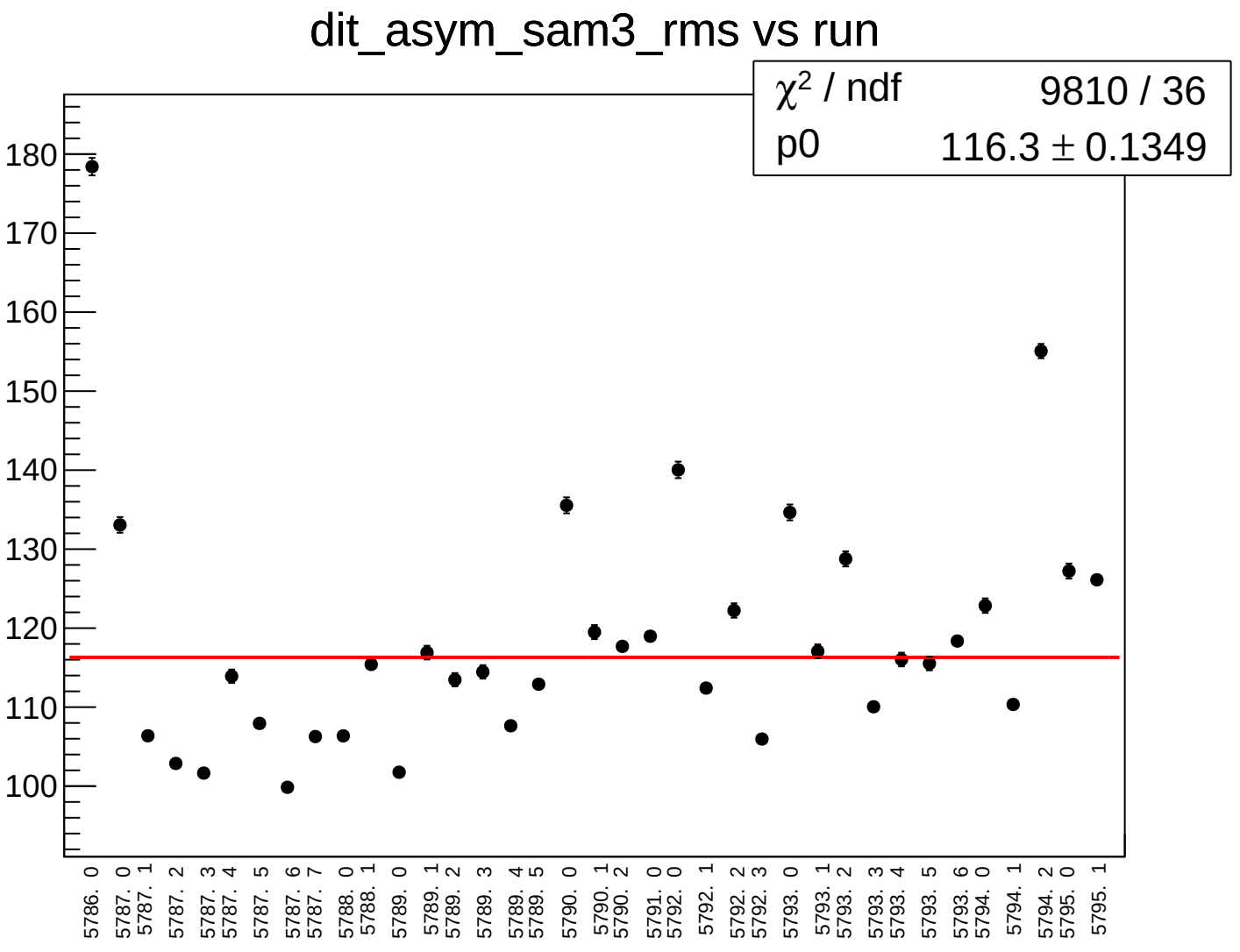

asym_sam3_eigen_cor_correction_mean vs run
χ² / ndf 42.67 / 36
p0 4318 ± 2248
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1018
Std Dev 0
2
1
0
−1
−2

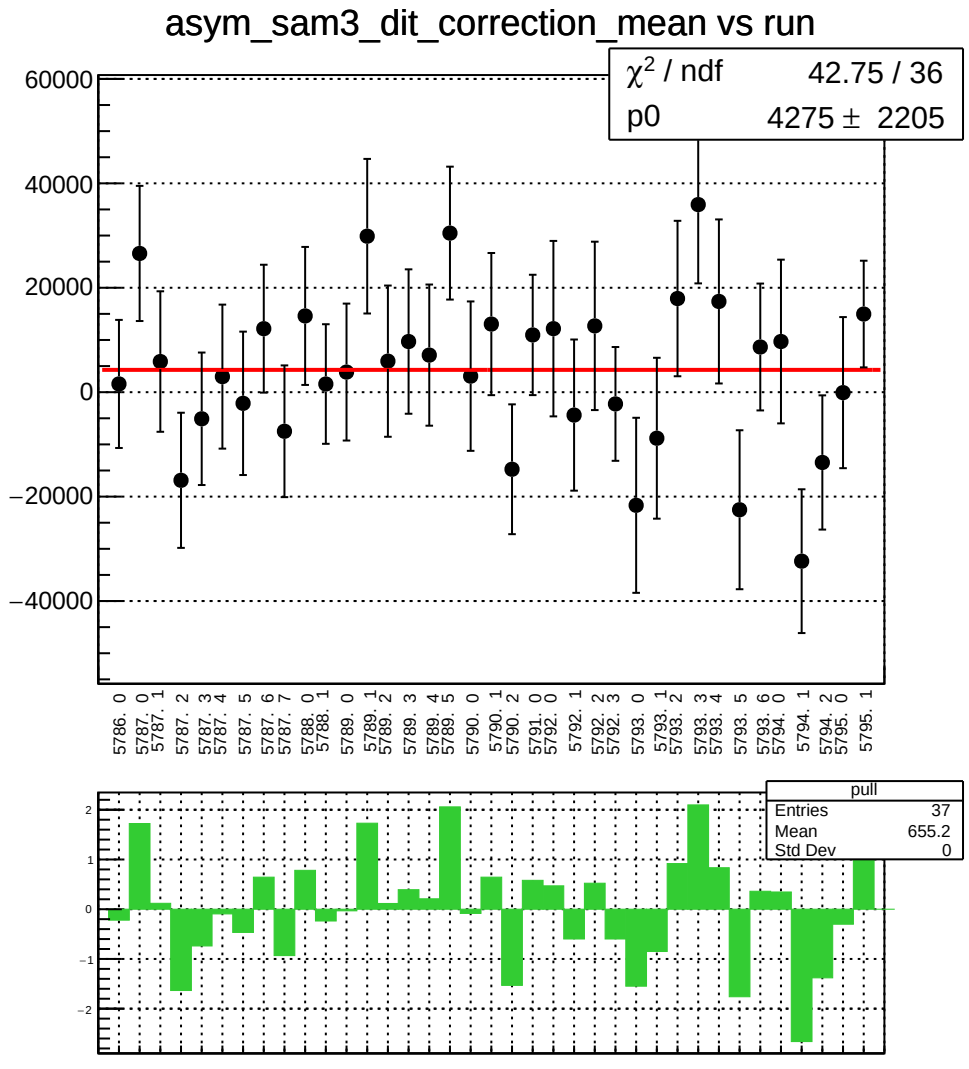

pull1D
Entries 37
Mean −0.001325
Std Dev 1.074
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

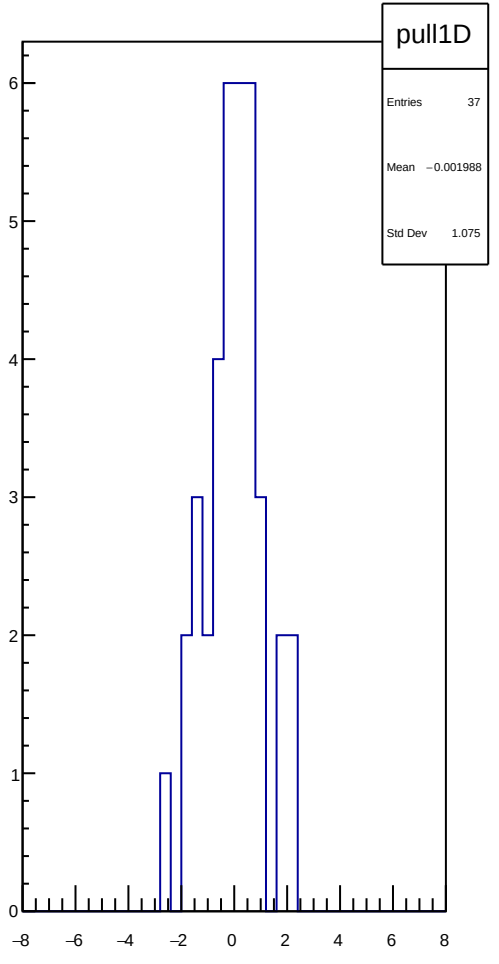

asym_sam3_eigen_cor_correction_rms vs run
χ² / ndf 5112 / 36
p0 1374 ± 1.589
1700
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

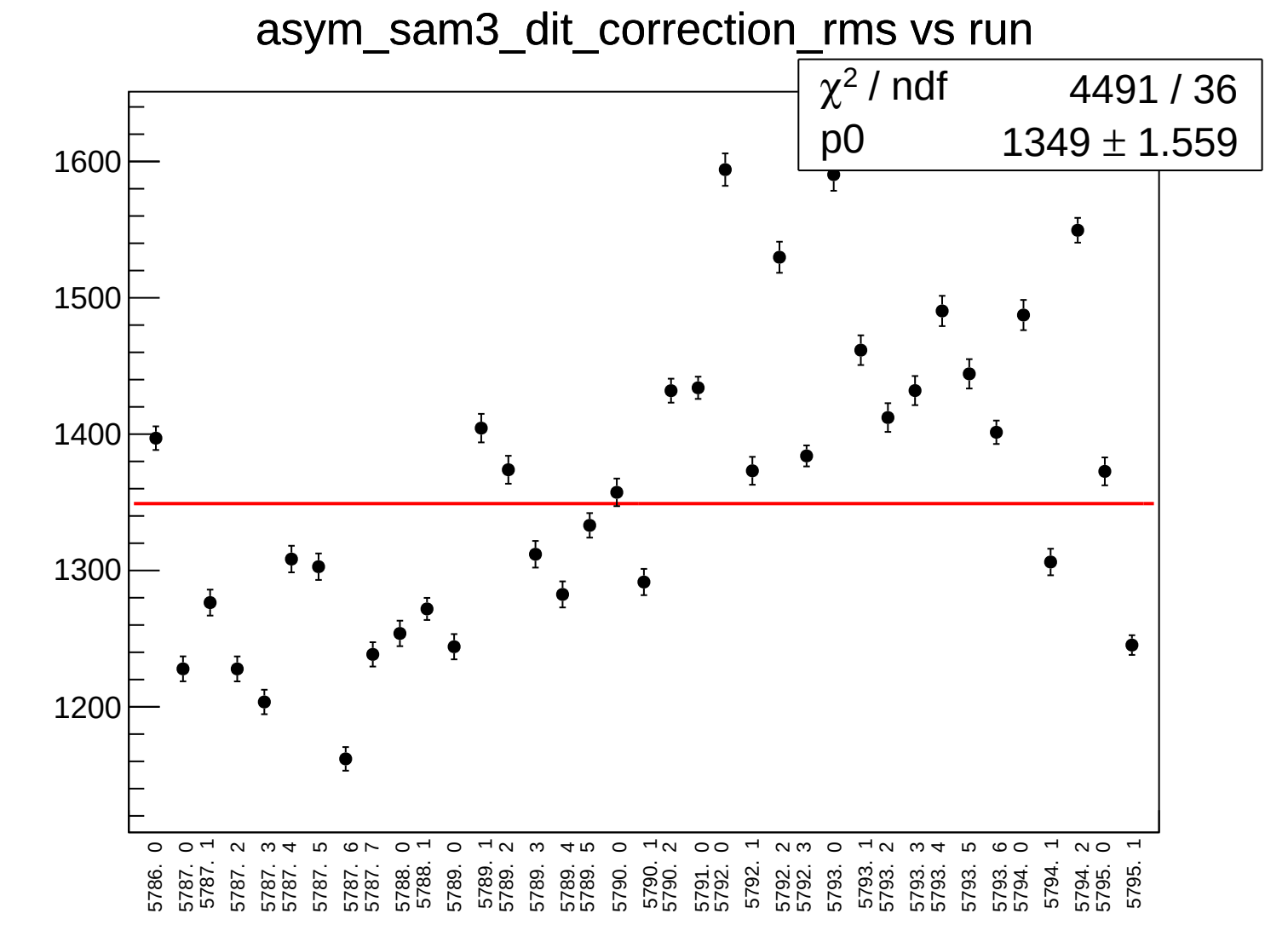

dit_asym_sam3_mean vs run
χ² / ndf 29.95 / 36
p0 −81.8 ± 190.8
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

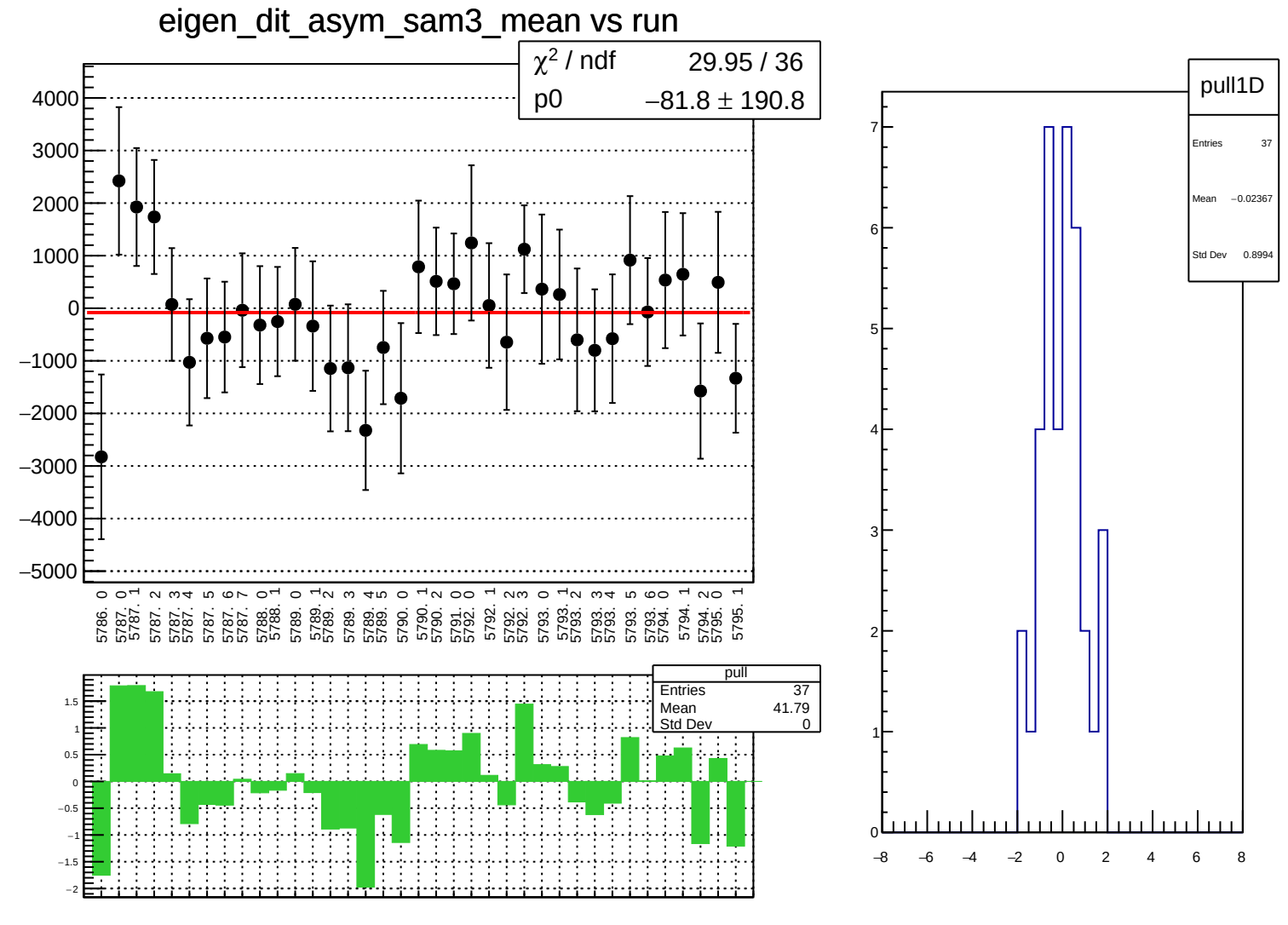

pull1D
Entries 37
Mean −0.02367
Std Dev 0.8994
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

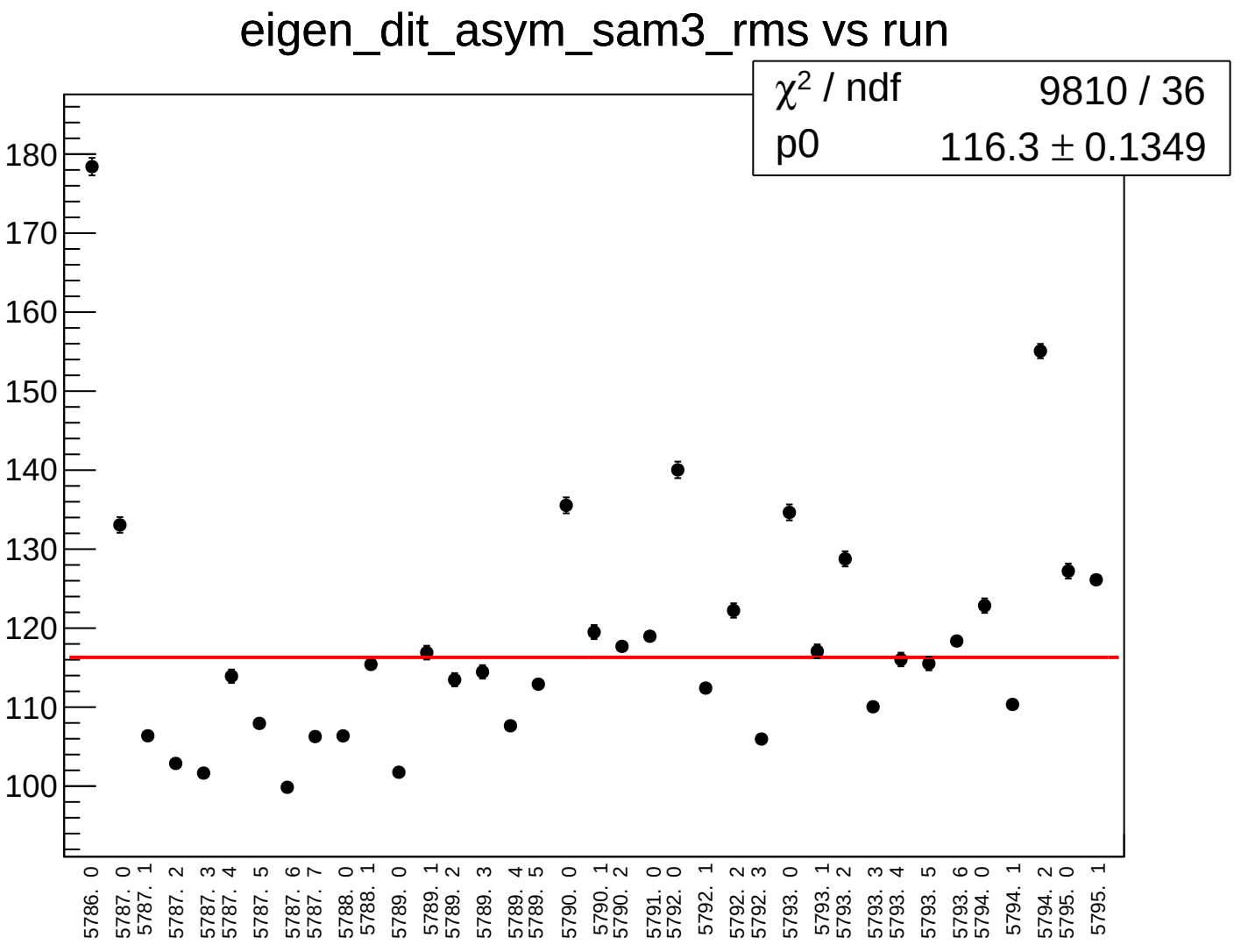

dit_asym_sam3_rms vs run
χ² / ndf 9810 / 36
p0 116.3 ± 0.1349
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

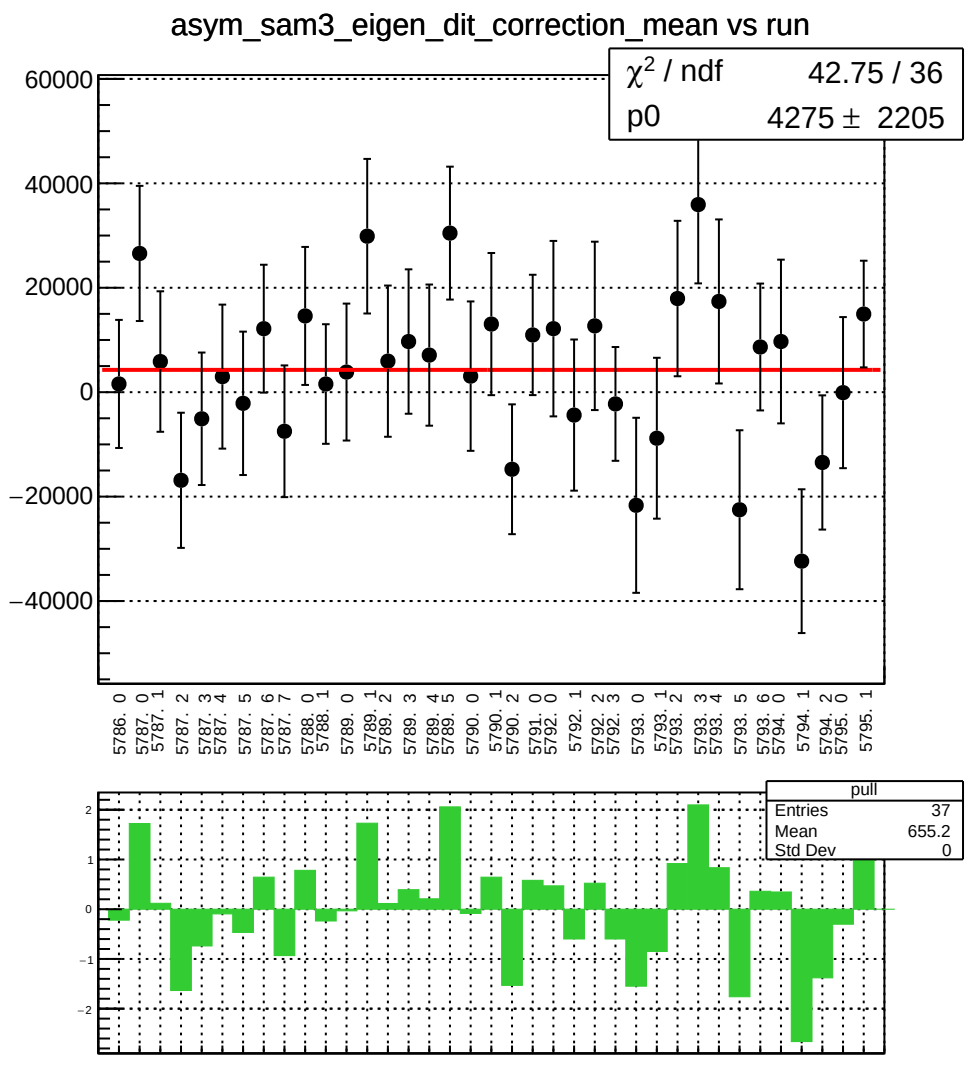

asym_sam3_dit_correction_mean vs run
χ² / ndf 42.75 / 36
p0 4275 ± 2205
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 655.2
Std Dev 0
2
1
0
−1
−2

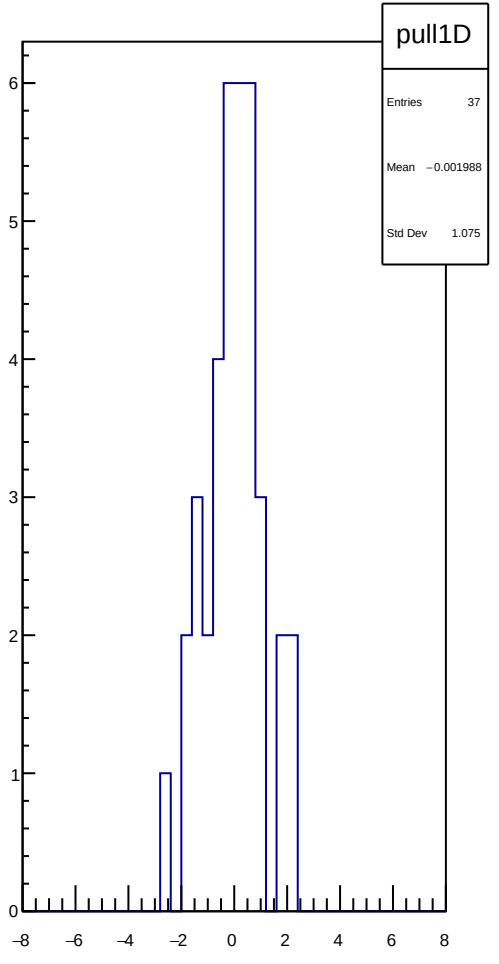

pull1D
Entries 37
Mean −0.001988
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

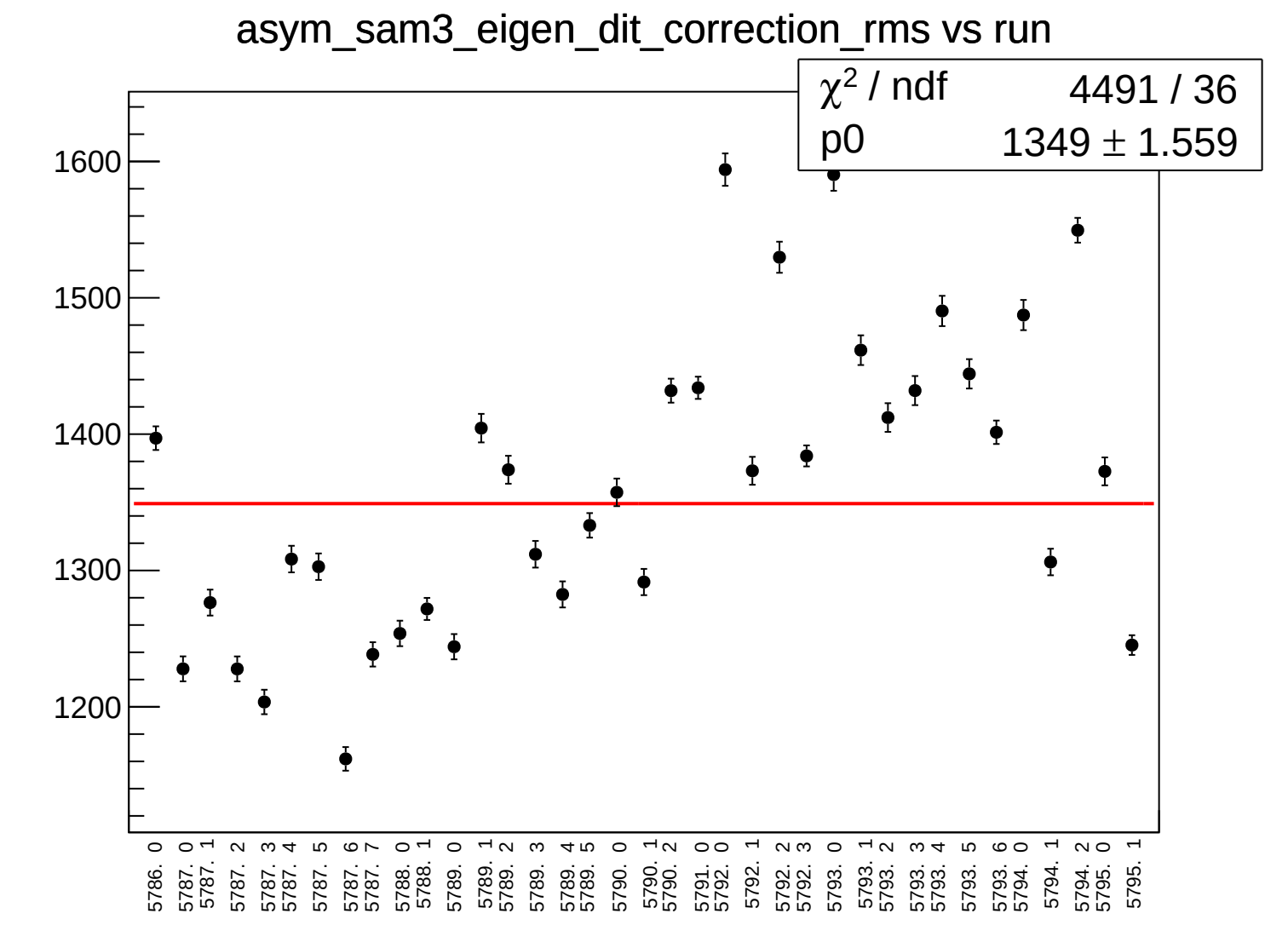

asym_sam3_dit_correction_rms vs run
χ² / ndf 4491 / 36
p0 1349 ± 1.559
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

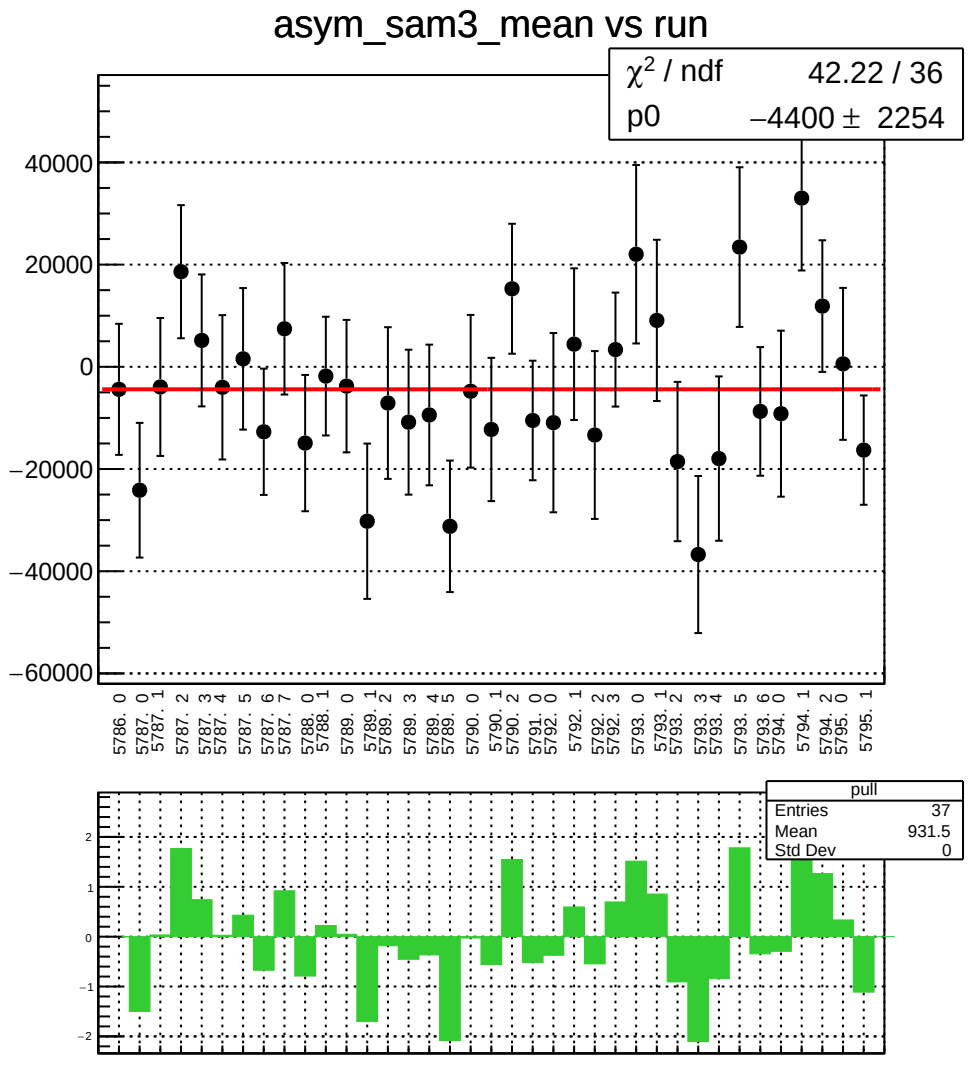

eigen_dit_asym_sam3_mean vs run
χ² / ndf 29.95 / 36
p0 −81.8 ± 190.8
pull
Entries 37
Mean 41.79
Std Dev 0
pull1D
Entries 37
Mean −0.02367
Std Dev 0.8994

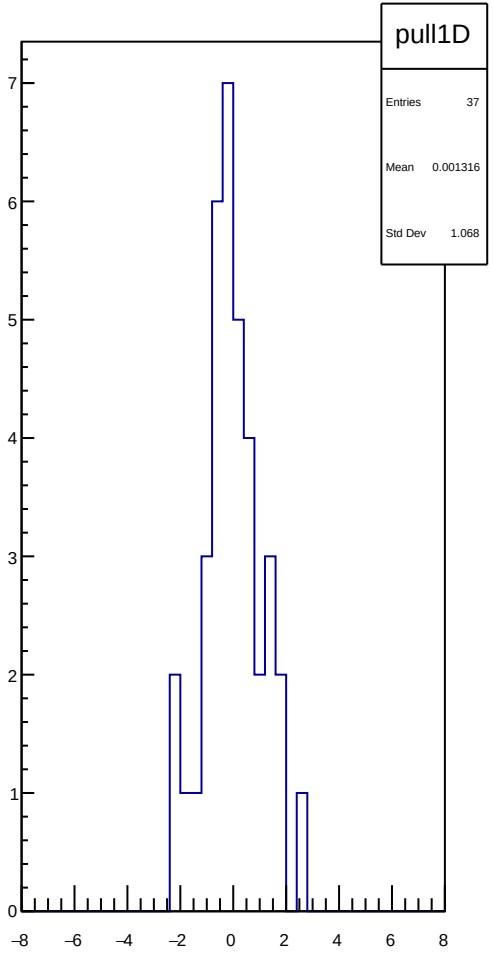

eigen_dit_asym_sam3_rms vs run
χ² / ndf 9810 / 36
p0 116.3 ± 0.1349
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

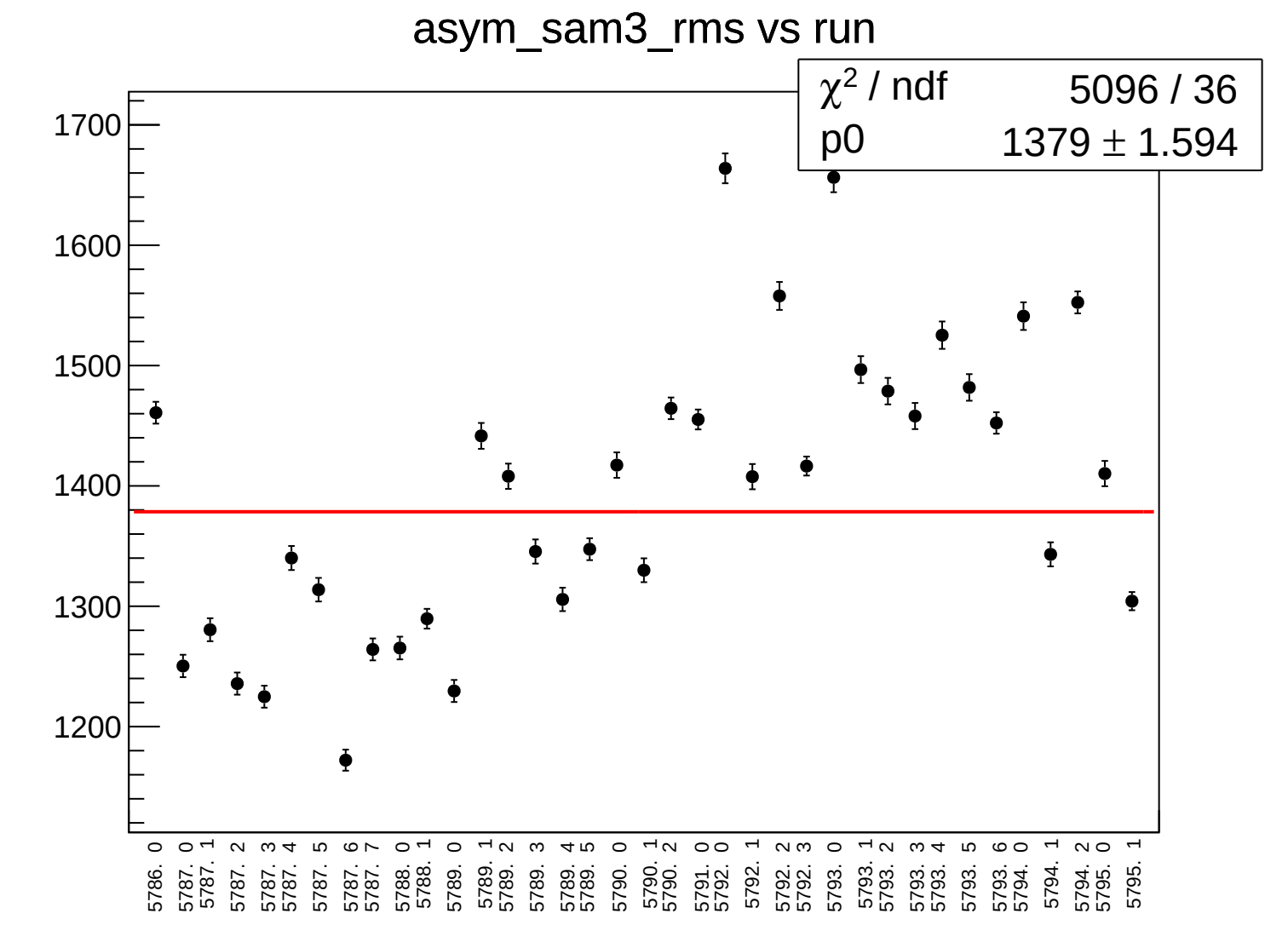

asym_sam3_eigen_dit_correction_mean vs run
χ² / ndf 42.75 / 36
p0 4275 ± 2205
60000
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 655.2
Std Dev 0
2
1
0
−1
−2

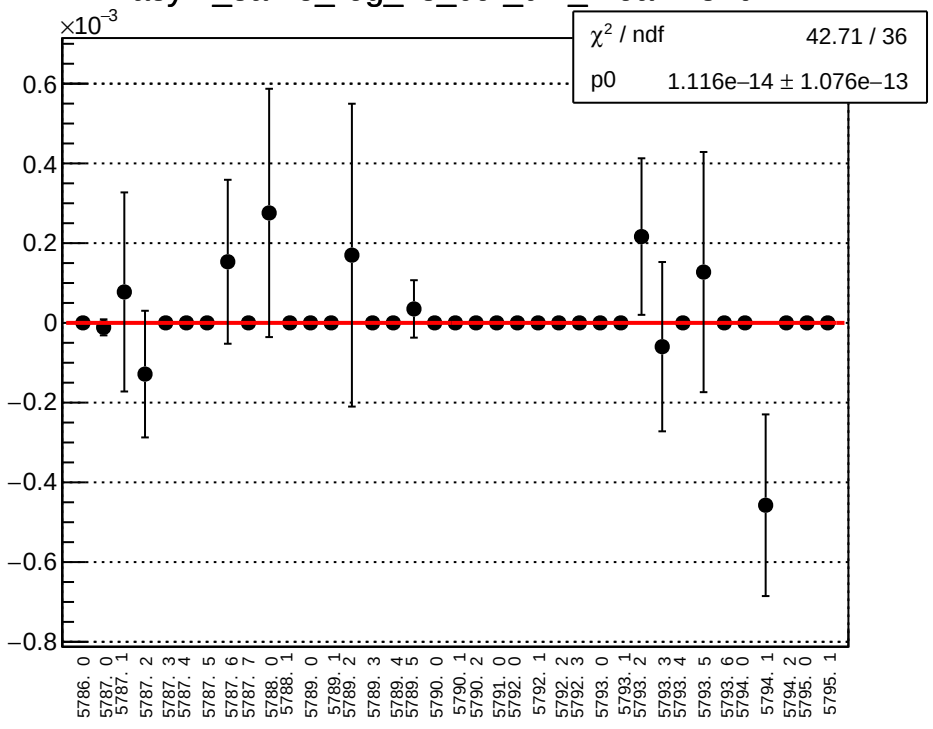

pull1D
Entries 37
Mean −0.001988
Std Dev 1.075
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

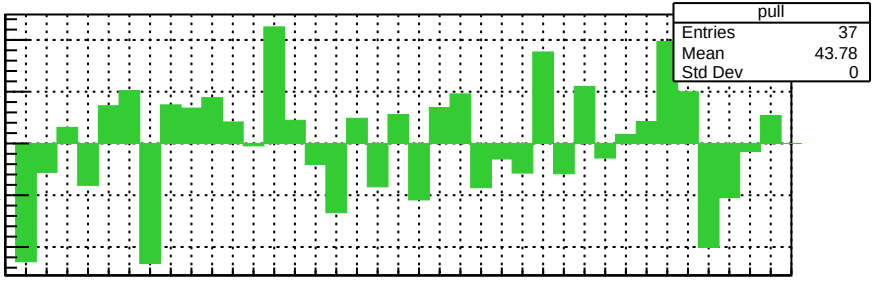

asym_sam3_eigen_dit_correction_rms vs run
χ² / ndf 4491 / 36
p0 1349 ± 1.559
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

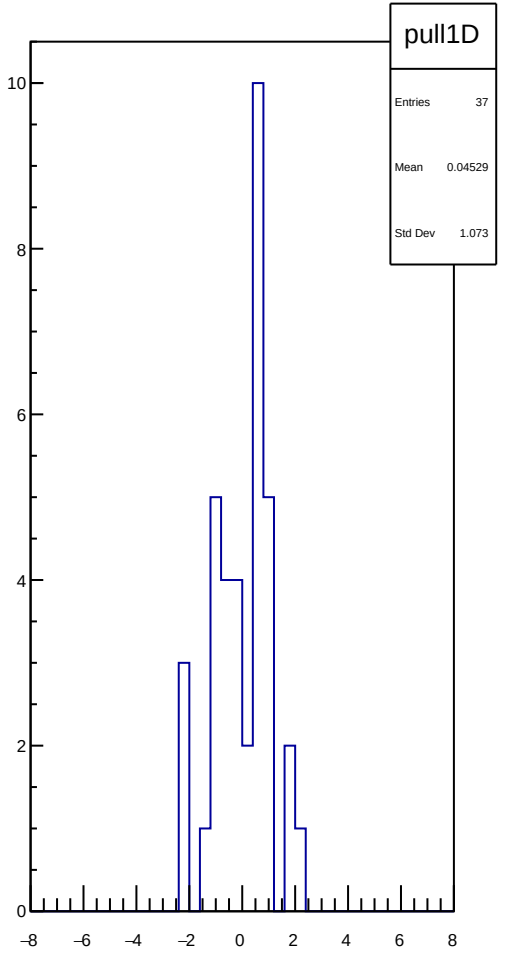

asym_sam3_mean vs run
χ² / ndf 42.22 / 36
p0 −4400 ± 2254
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 931.5
Std Dev 0
2
1
0
−1
−2

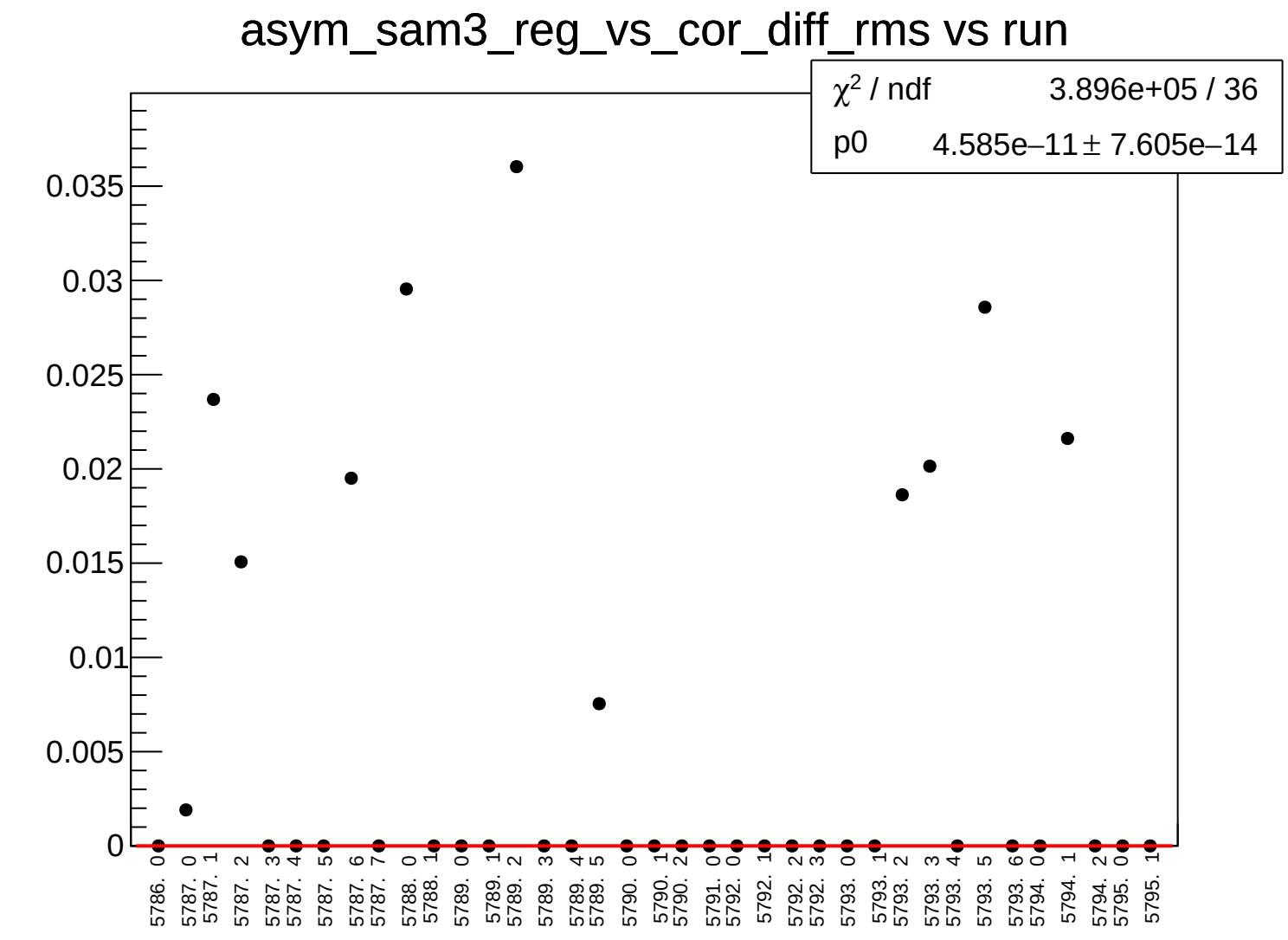

pull1D
Entries 37
Mean 0.001316
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

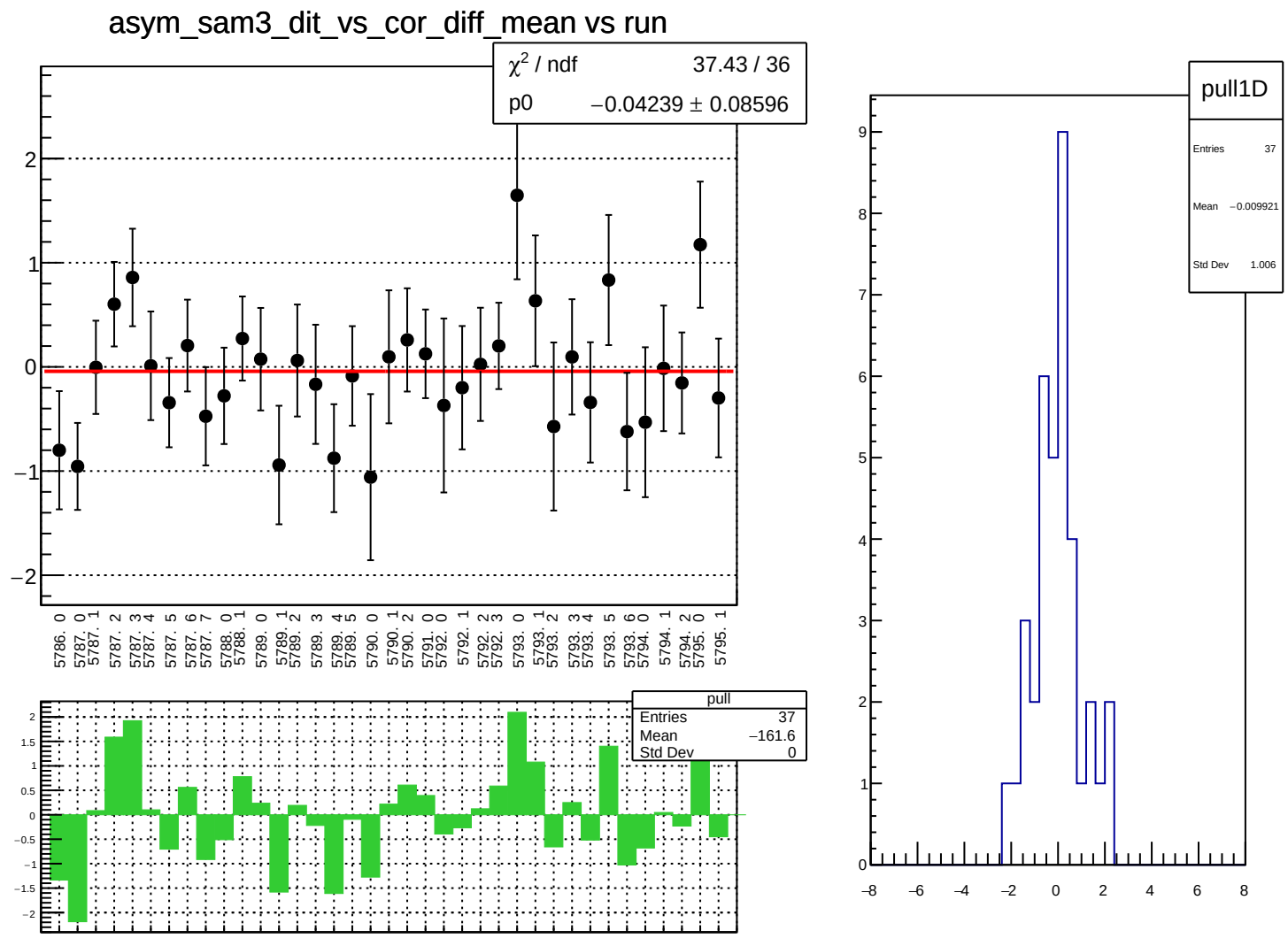

asym_sam3_rms vs run
χ² / ndf 5096 / 36
p0 1379 ± 1.594
1700
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

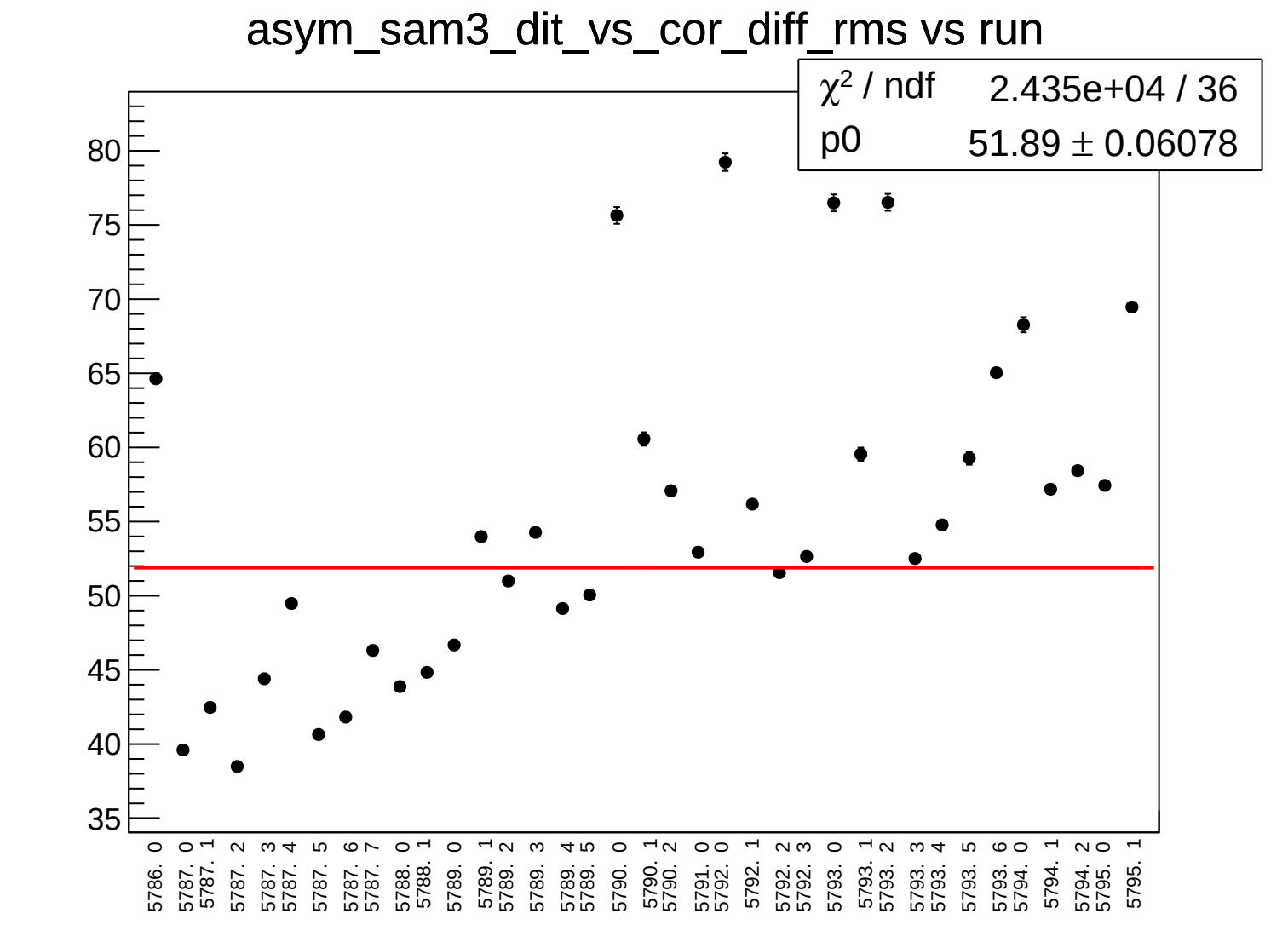

asym_sam3_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 42.71 / 36
p0 1.116e−14 ± 1.076e−13
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

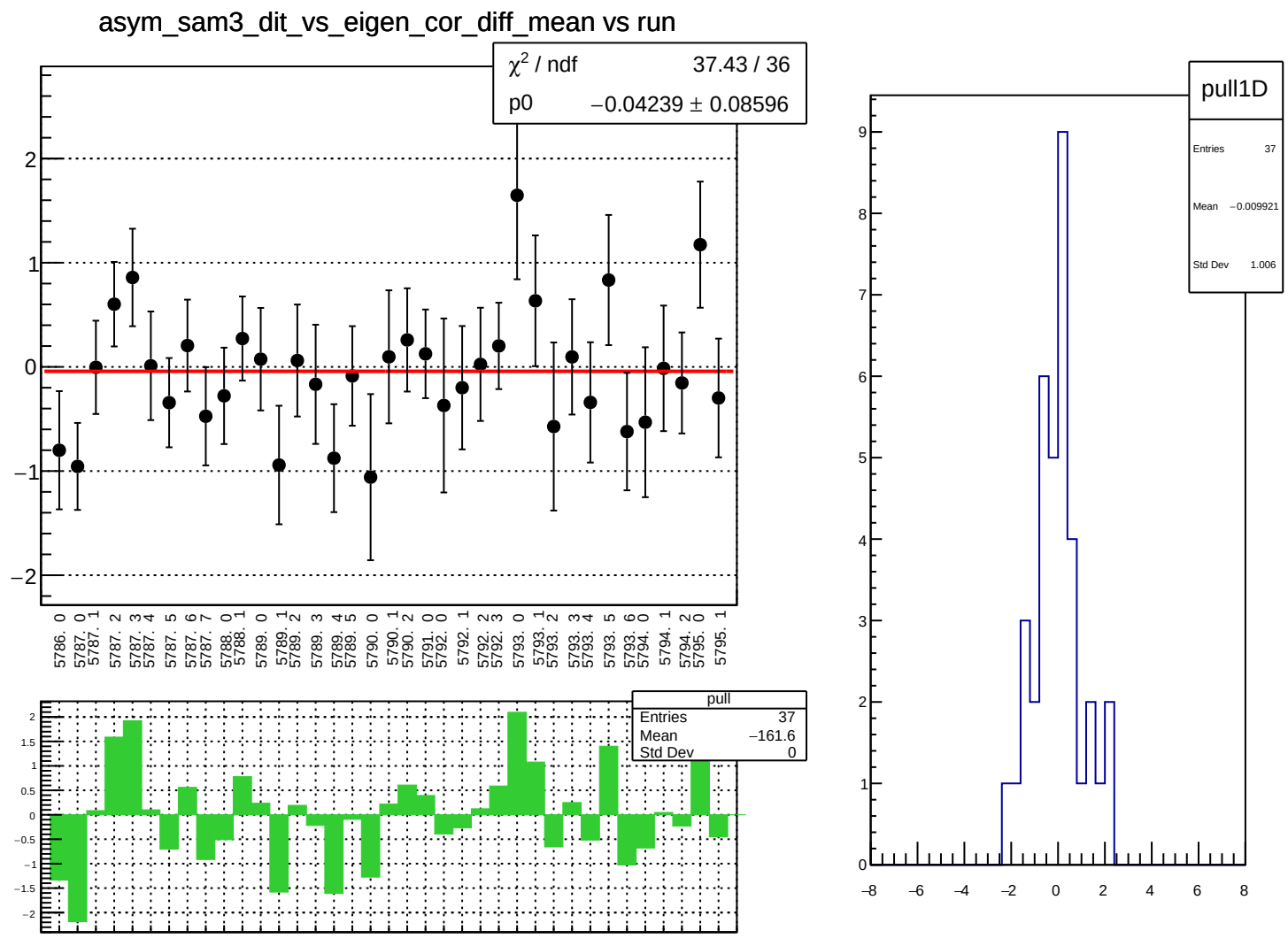

pull
Entries 37
Mean 43.78
Std Dev 0
2
1
0
−1
−2

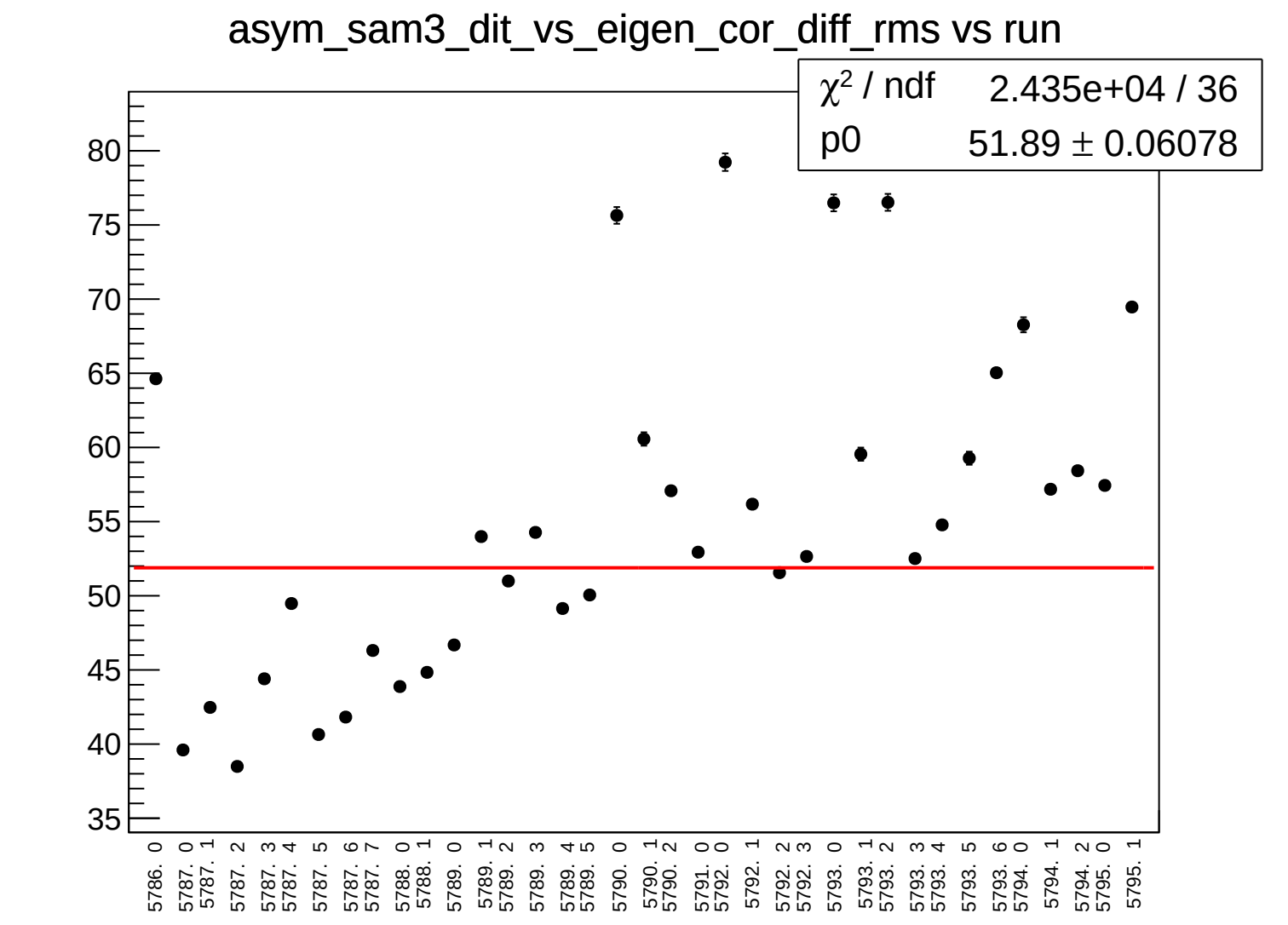

pull1D
Entries 37
Mean 0.04529
Std Dev 1.073
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

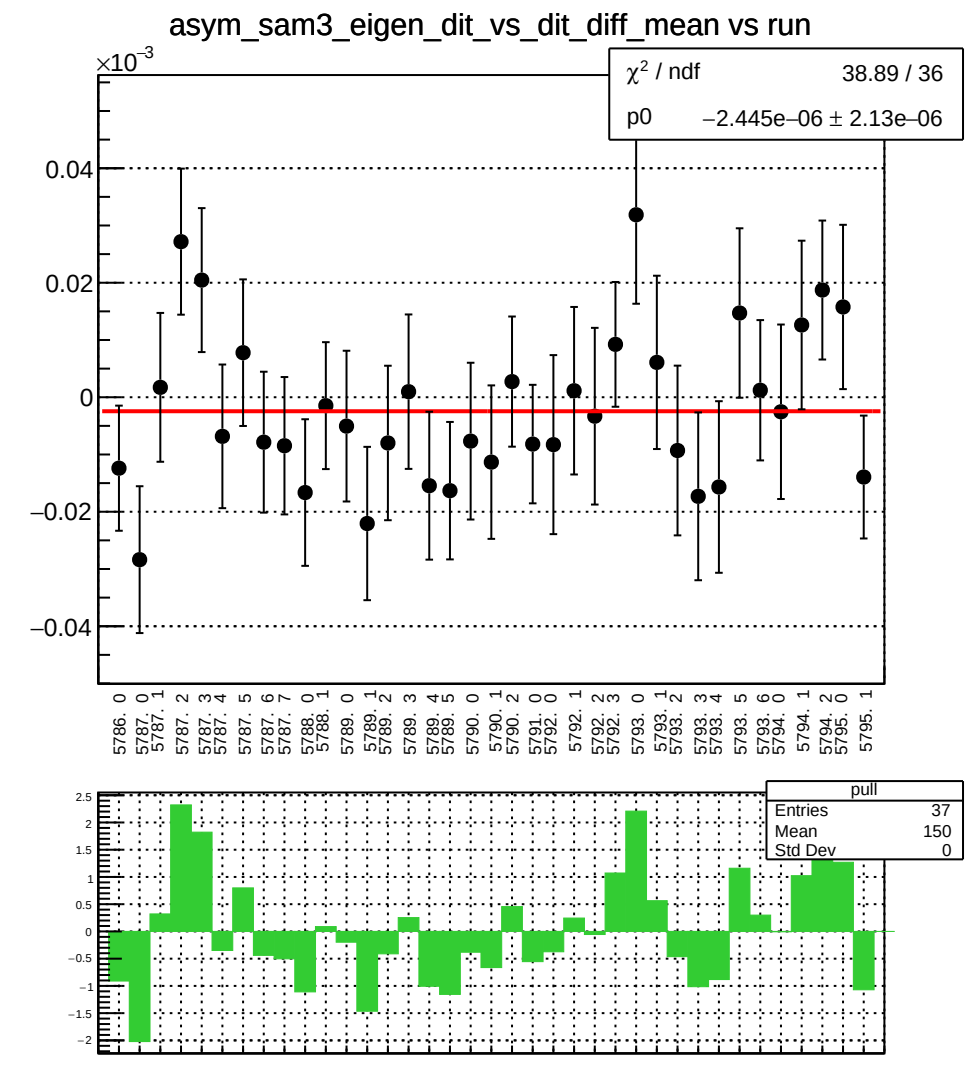

asym_sam3_reg_vs_cor_diff_rms vs run
χ² / ndf 3.896e+05 / 36
p0 4.585e−11 ± 7.605e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

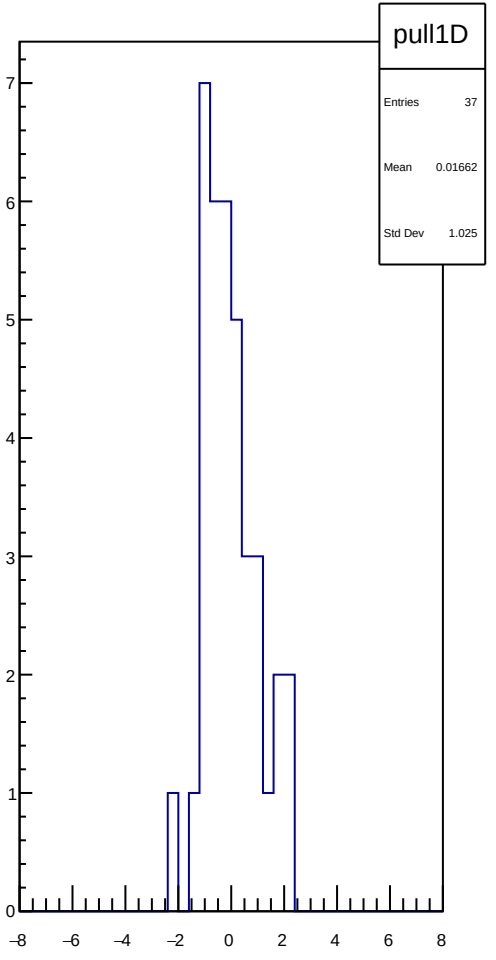

asym_sam3_dit_vs_cor_diff_mean vs run
χ² / ndf 37.43 / 36
p0 −0.04239 ± 0.08596
pull
Entries 37
Mean −161.6
Std Dev 0
pull1D
Entries 37
Mean −0.009921
Std Dev 1.006

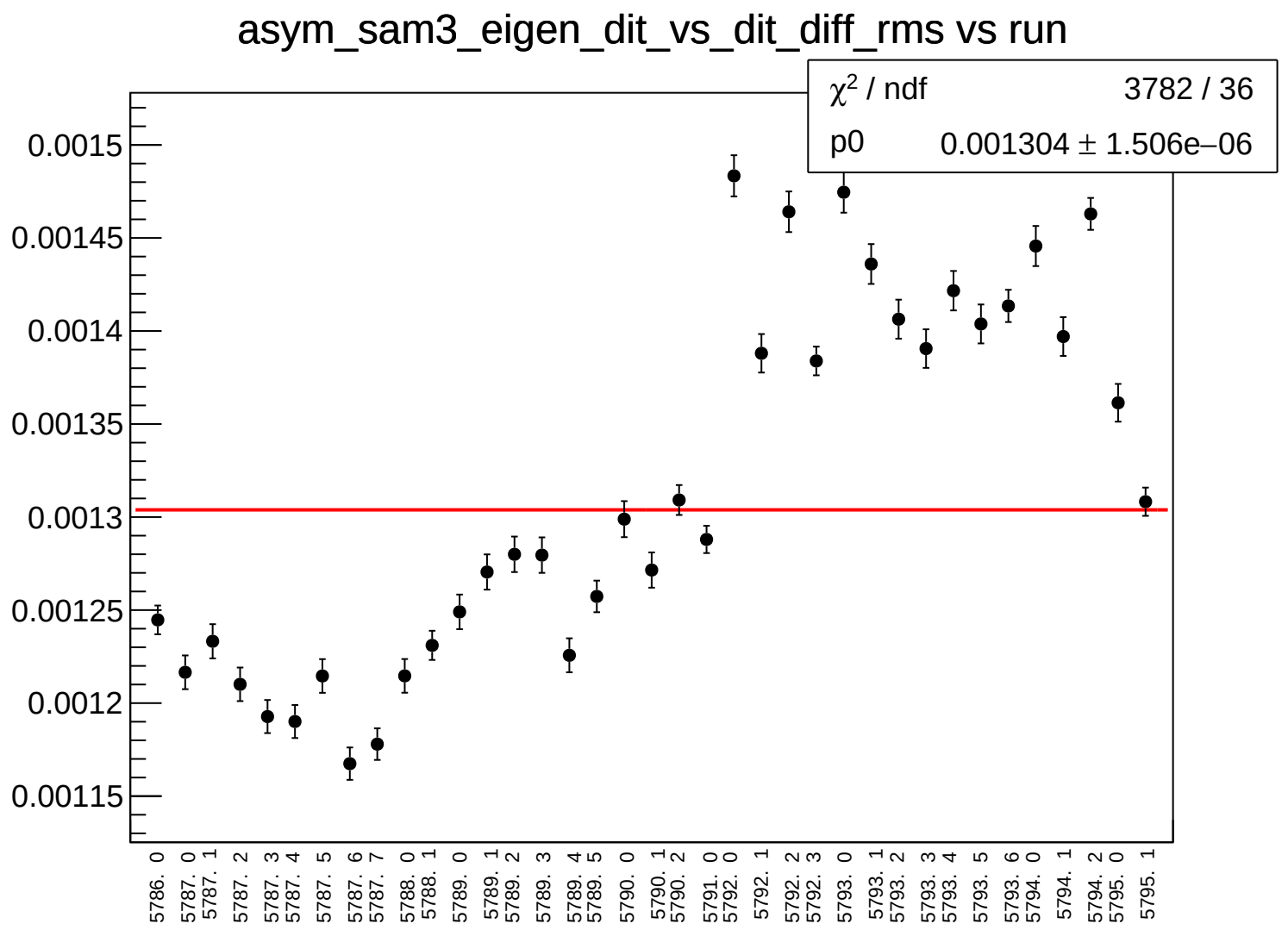

asym_sam3_dit_vs_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 36
p0 51.89 ± 0.06078
80
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

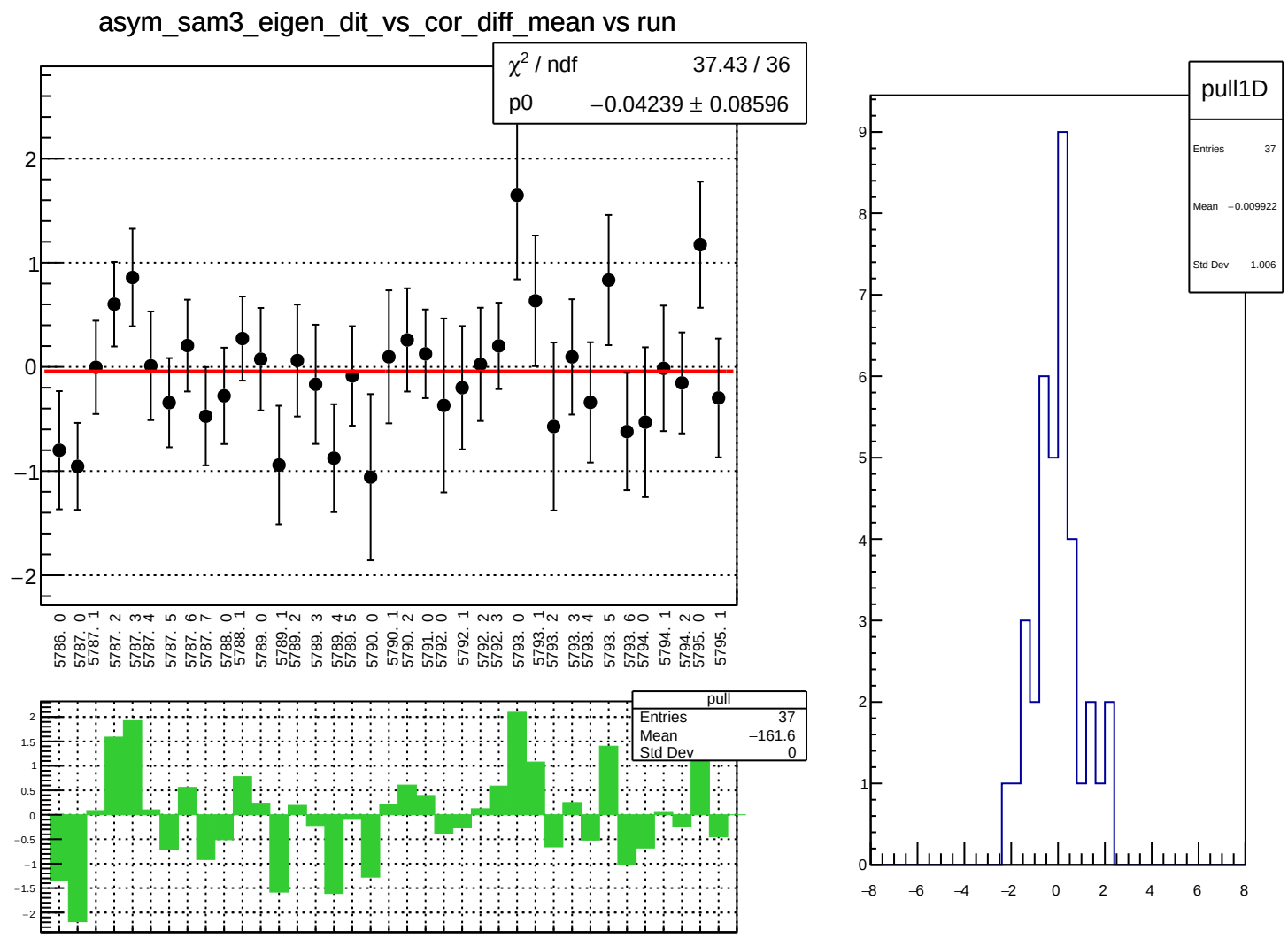

asym_sam3_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.43 / 36
p0 −0.04239 ± 0.08596
pull
Entries 37
Mean −161.6
Std Dev 0
pull1D
Entries 37
Mean −0.009921
Std Dev 1.006

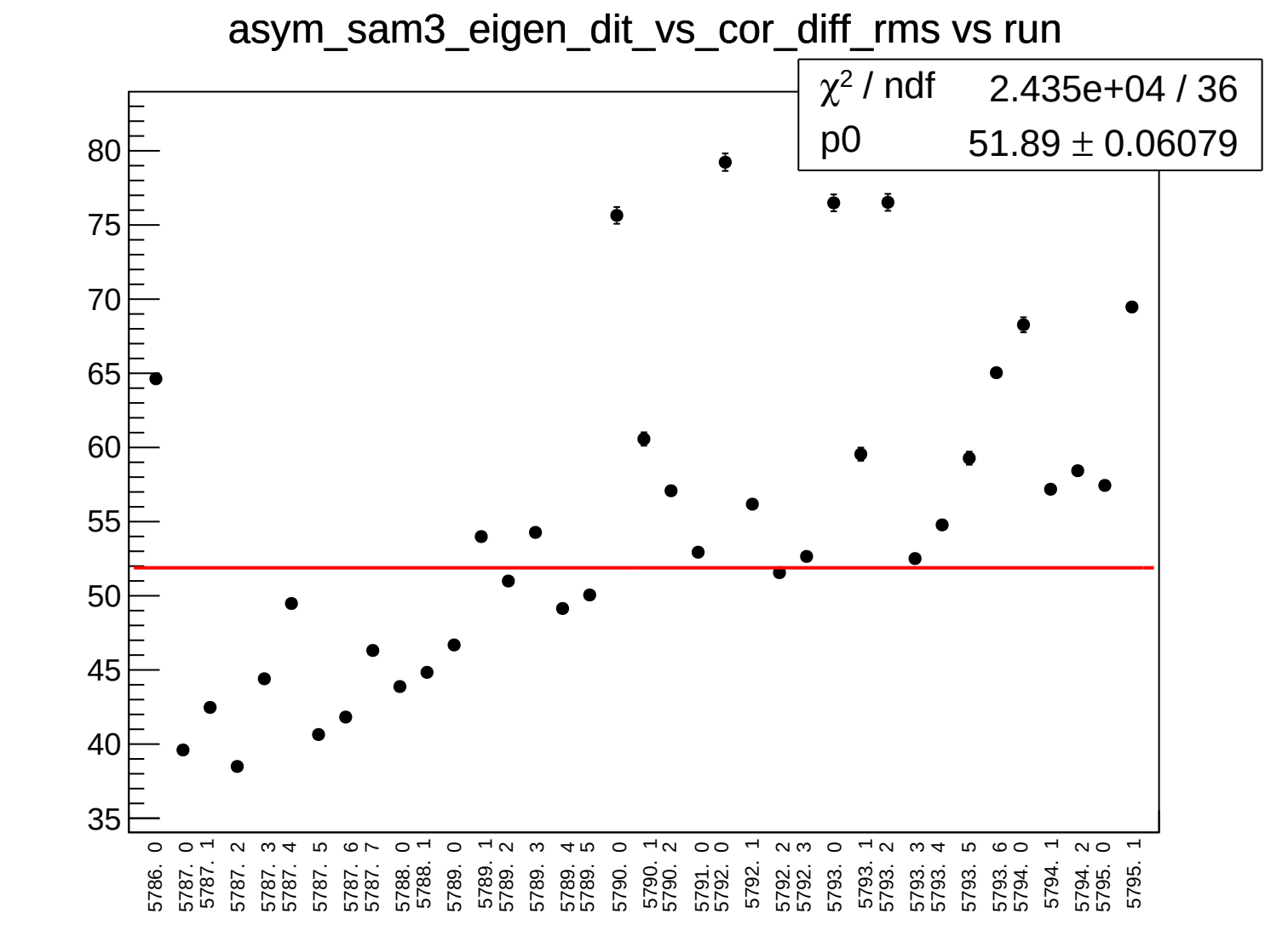

asym_sam3_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 36
p0 51.89 ± 0.06078
80
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

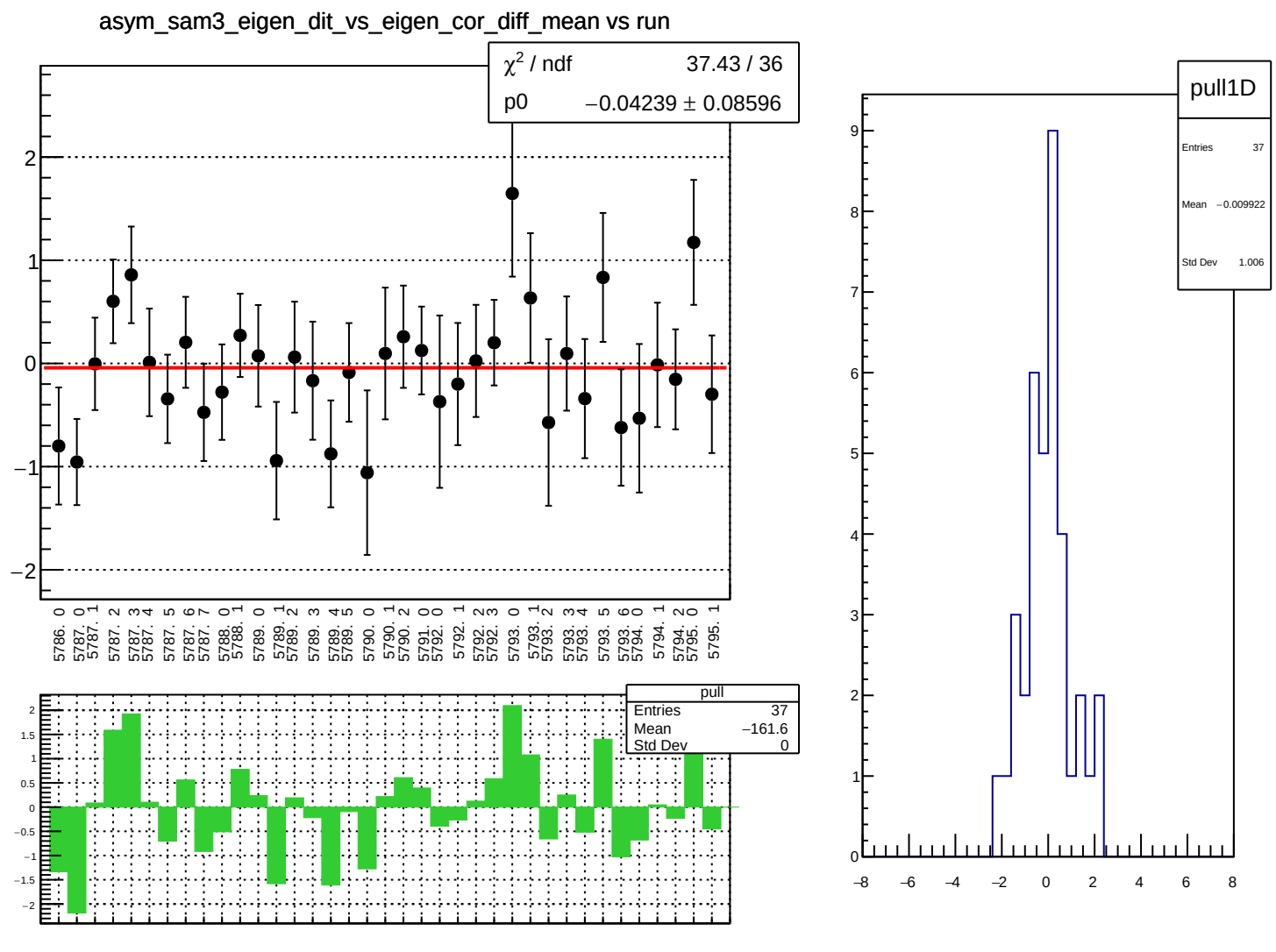

asym_sam3_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.89 / 36
p0 −2.445e−06 ± 2.13e−06
0.04
0.02
0
−0.02
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 150
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

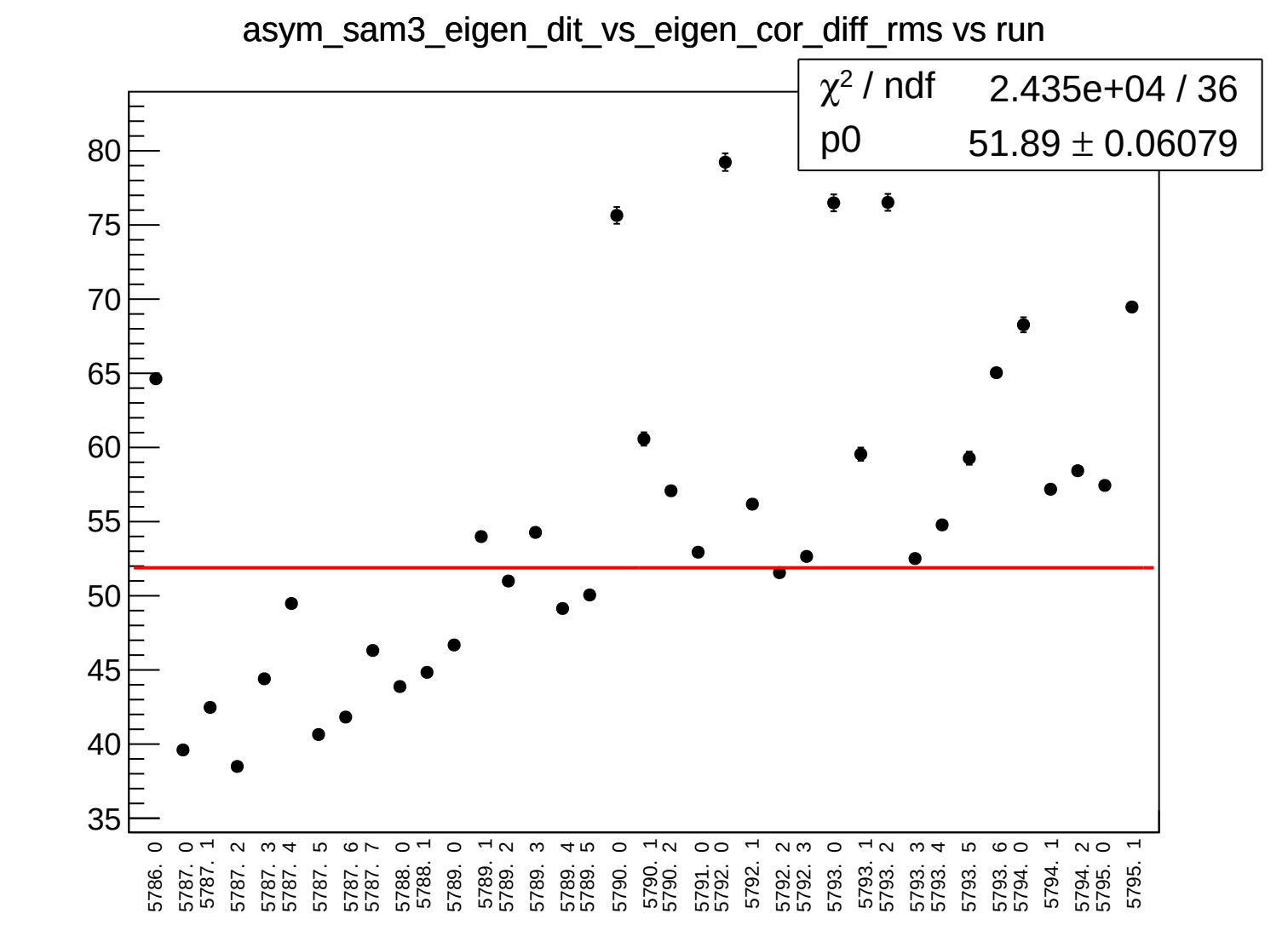

pull1D
Entries 37
Mean 0.01662
Std Dev 1.025
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

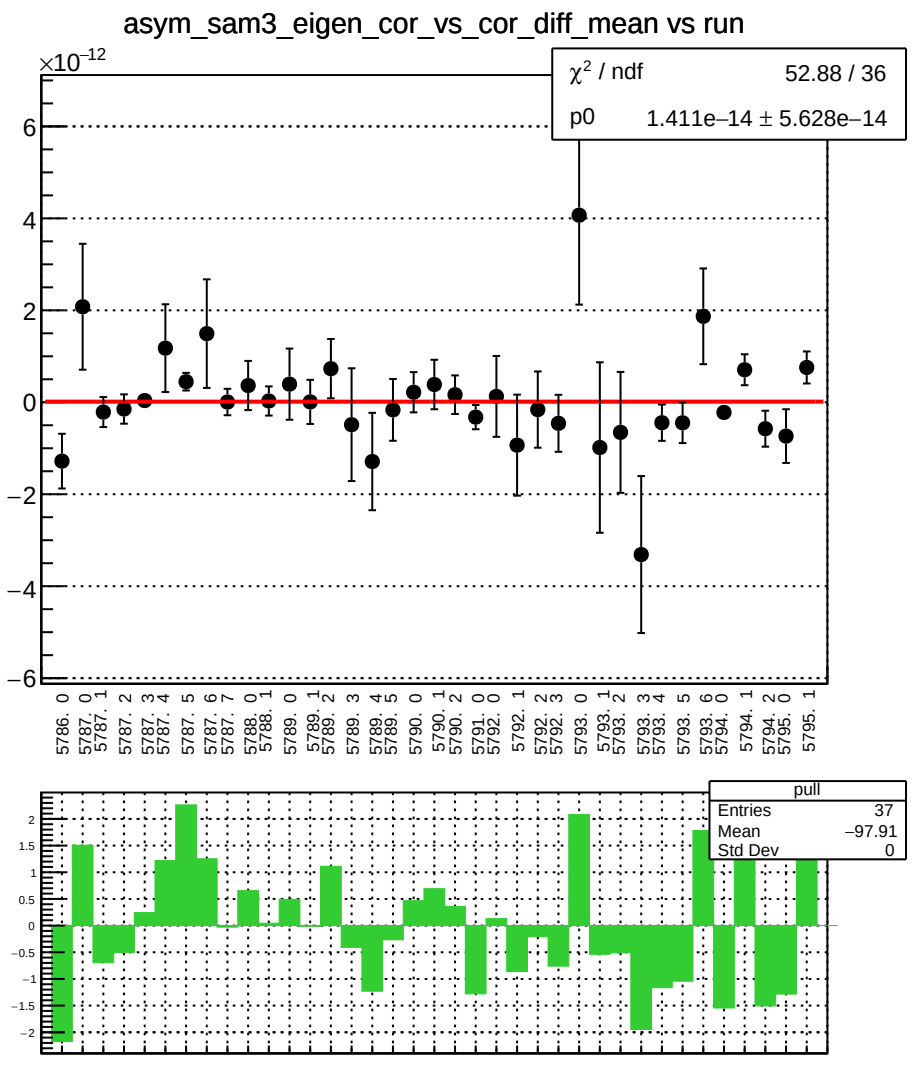

asym_sam3_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3782 / 36
p0 0.001304 ± 1.506e−06
0.0015
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

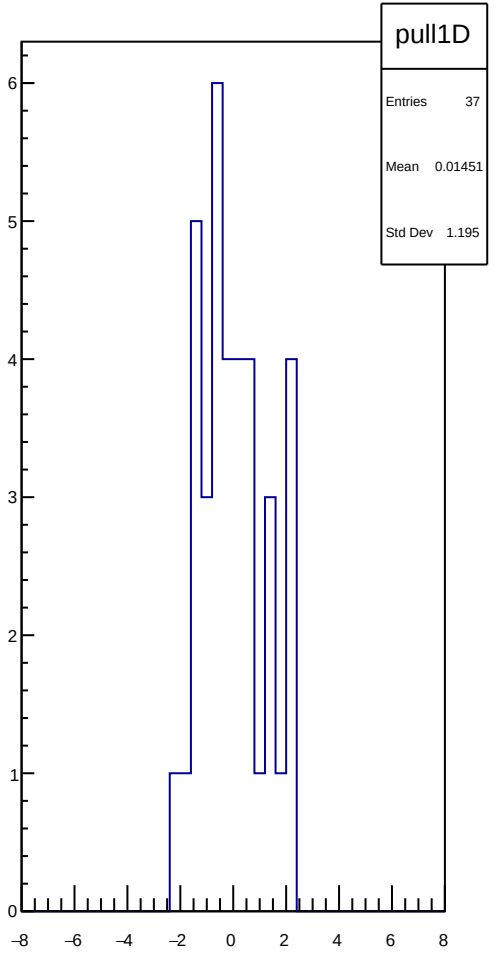

asym_sam3_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.43 / 36
p0 −0.04239 ± 0.08596
pull
Entries 37
Mean −161.6
Std Dev 0
pull1D
Entries 37
Mean −0.009922
Std Dev 1.006

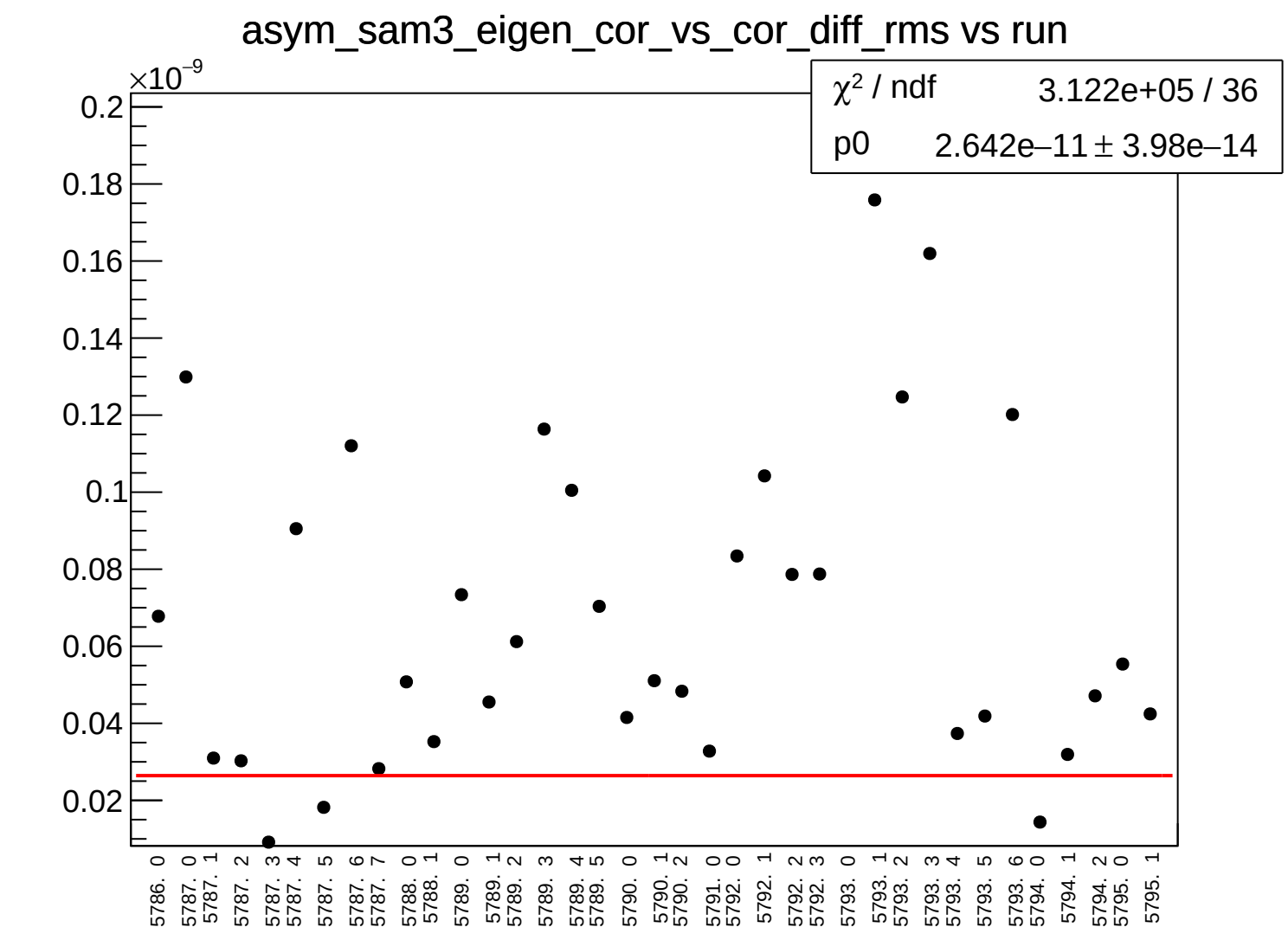

asym_sam3_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 36
p0 51.89 ± 0.06079
80
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

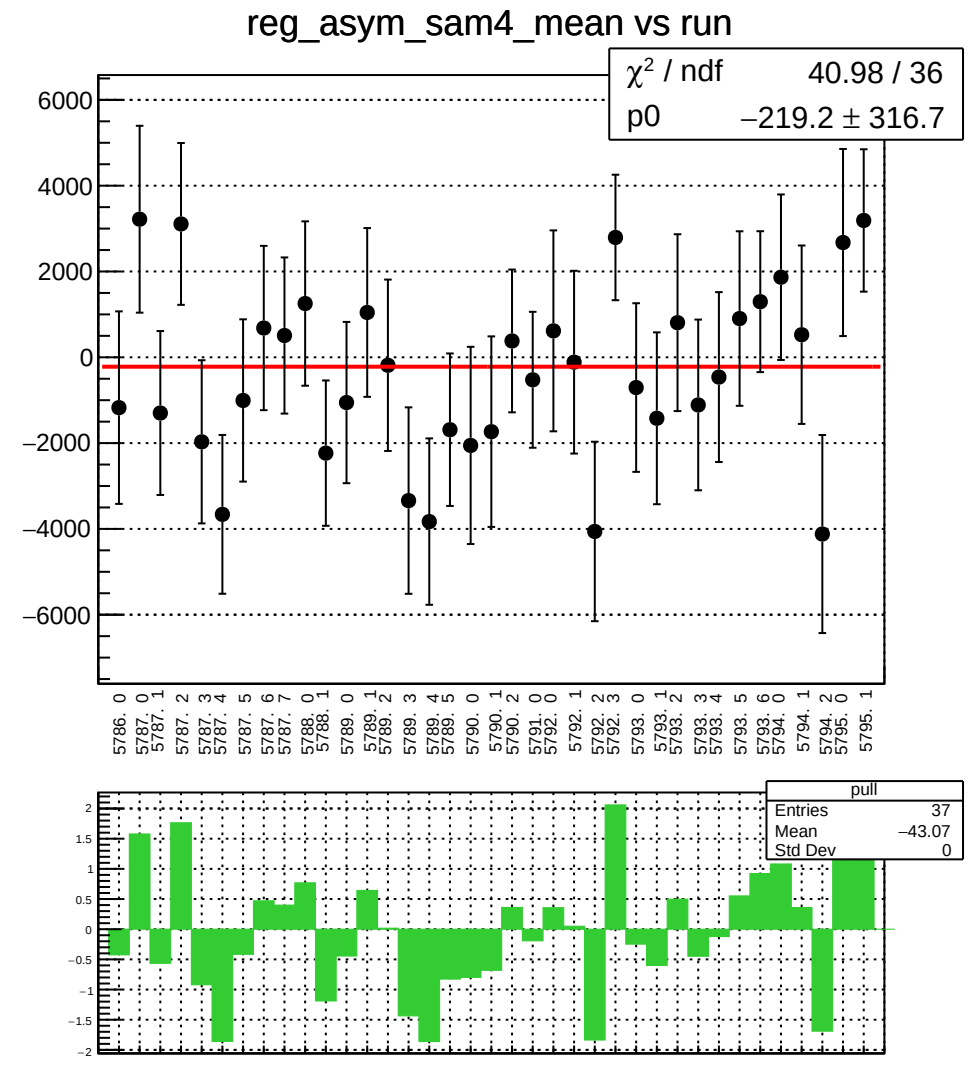

asym_sam3_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.43 / 36
p0 −0.04239 ± 0.08596
pull
Entries 37
Mean −161.6
Std Dev 0
pull1D
Entries 37
Mean −0.009922
Std Dev 1.006

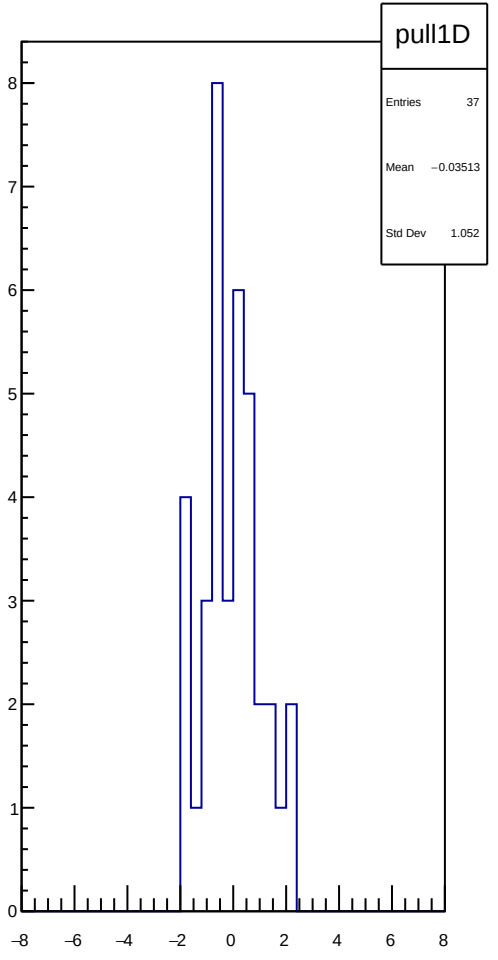

asym_sam3_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.435e+04 / 36
p0 51.89 ± 0.06079
80
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

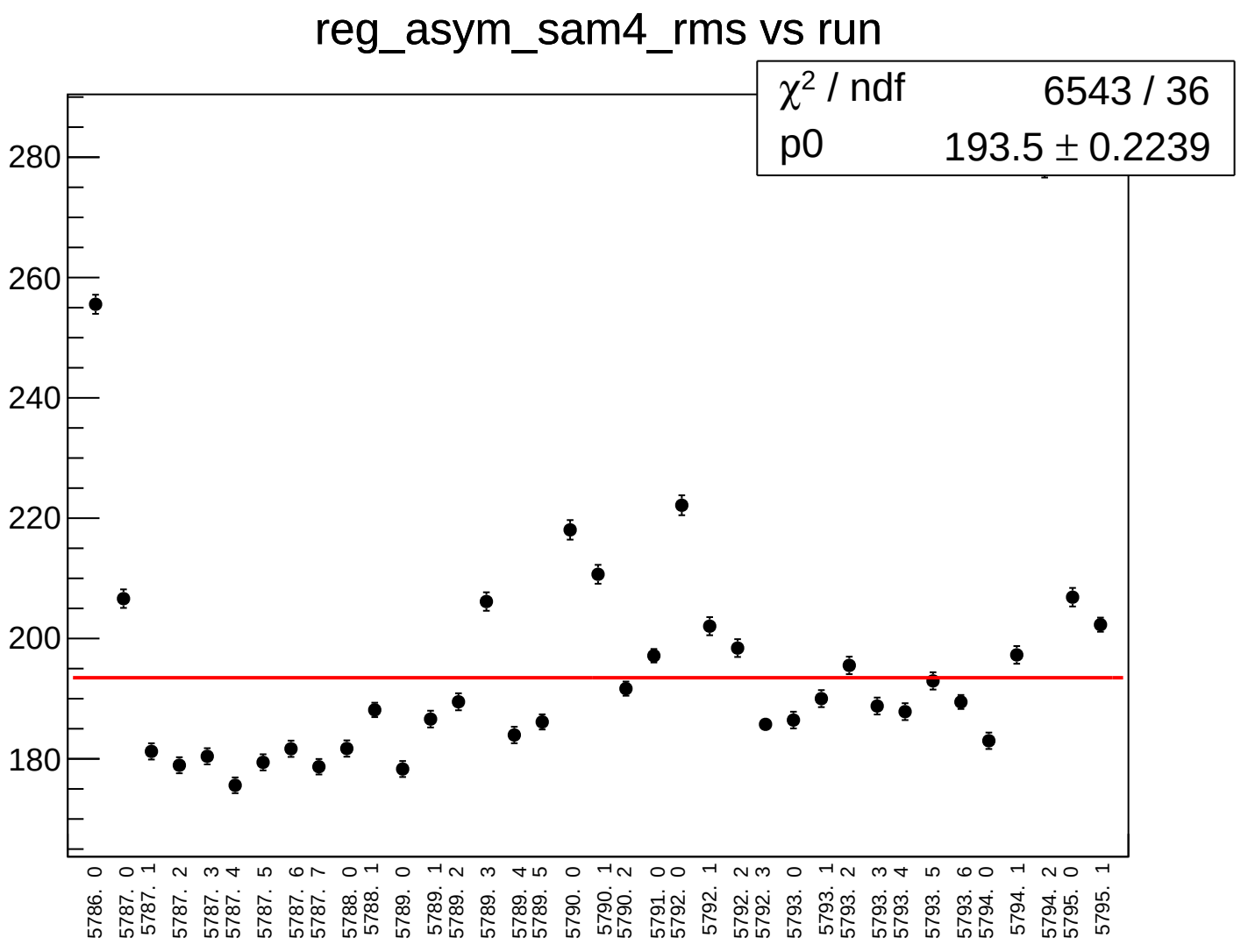

asym_sam3_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 52.88 / 36
p0 1.411e−14 ± 5.628e−14
6
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.91
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

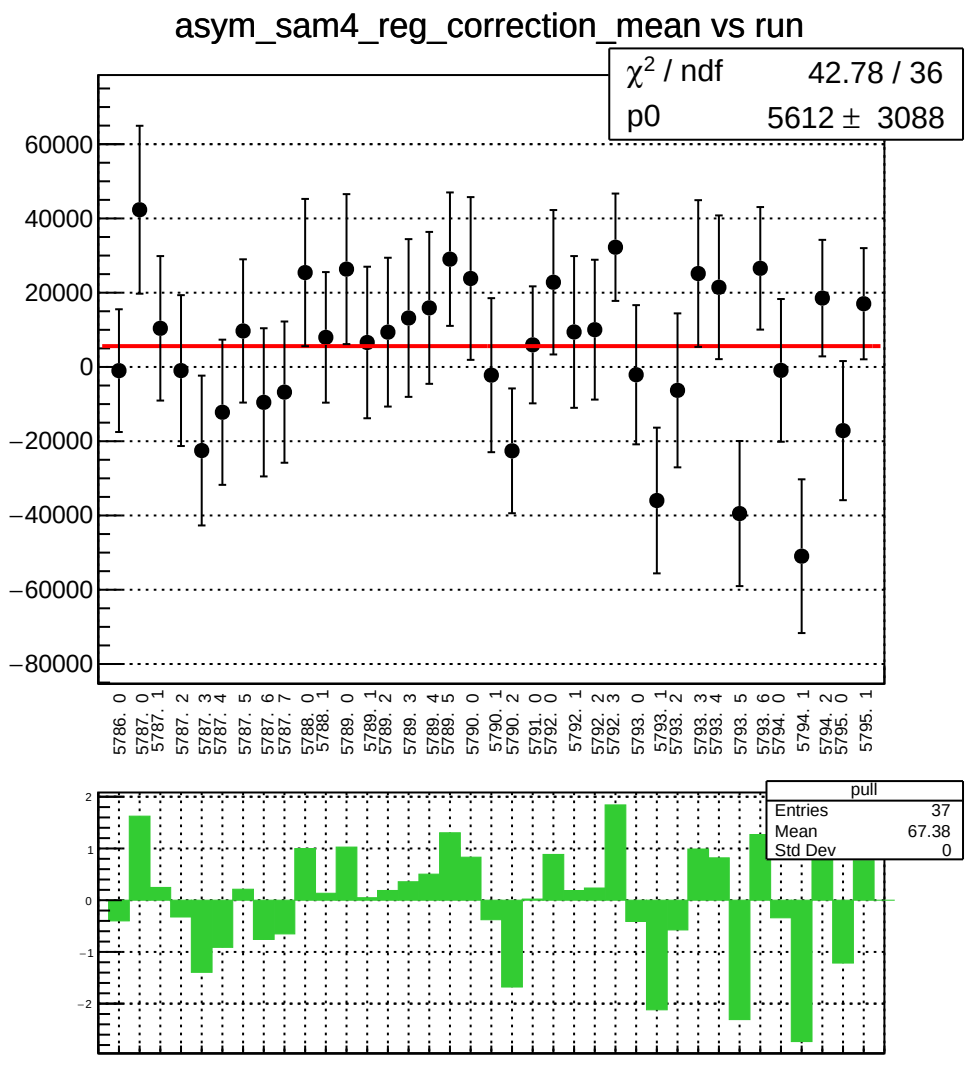

pull1D
Entries 37
Mean 0.01451
Std Dev 1.195
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

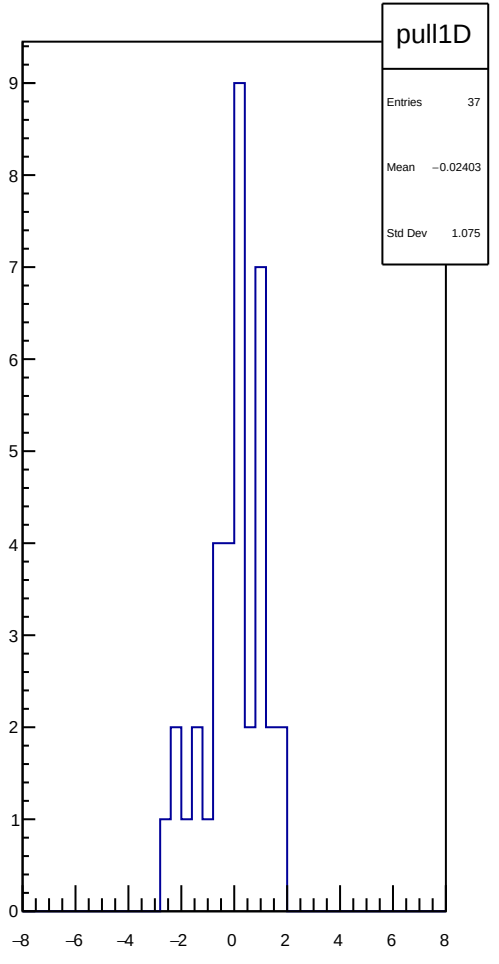

asym_sam3_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.122e+05 / 36
p0 2.642e−11 ± 3.98e−14
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

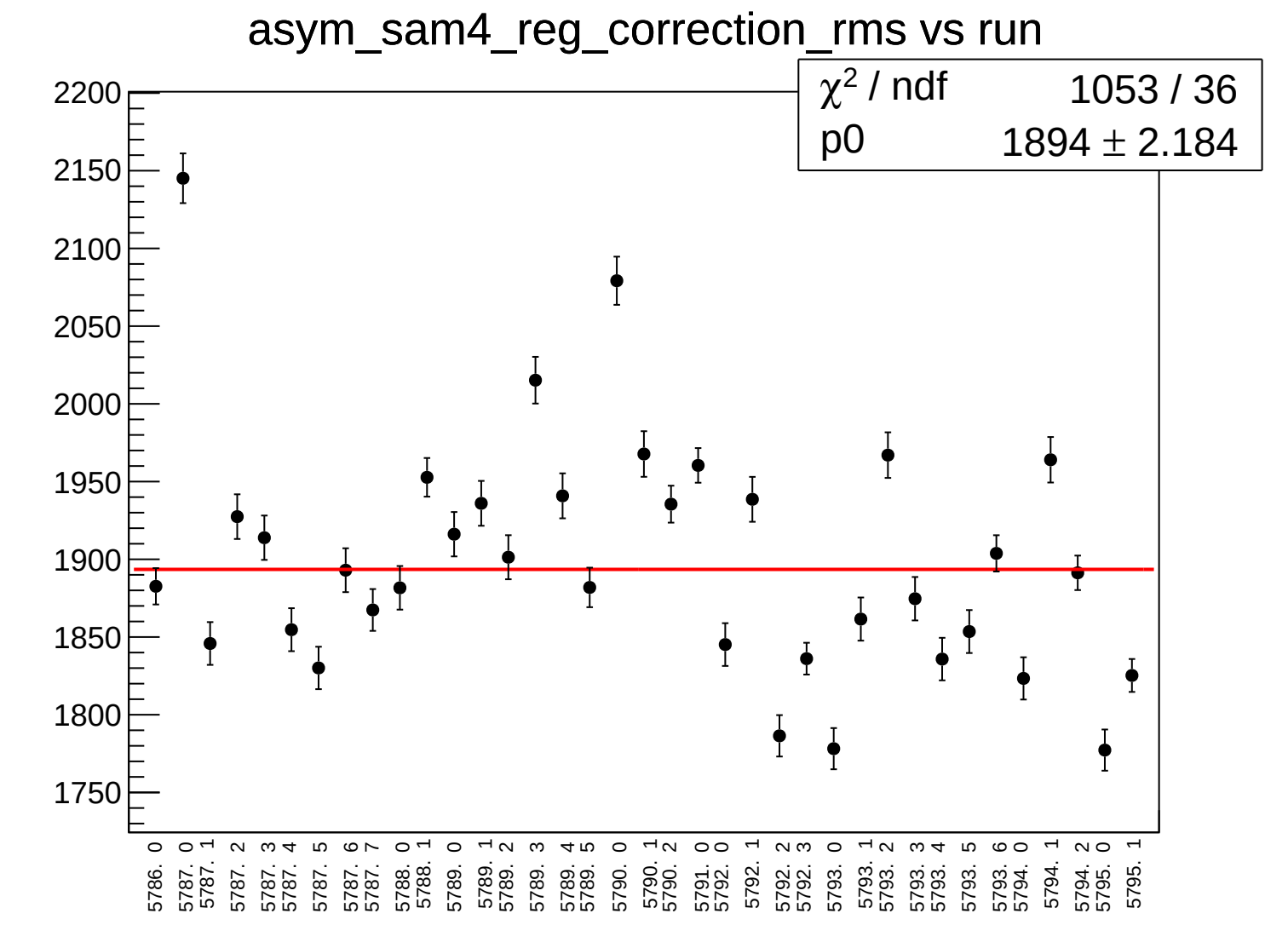

reg_asym_sam4_mean vs run
χ² / ndf 40.98 / 36
p0 −219.2 ± 316.7
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −43.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

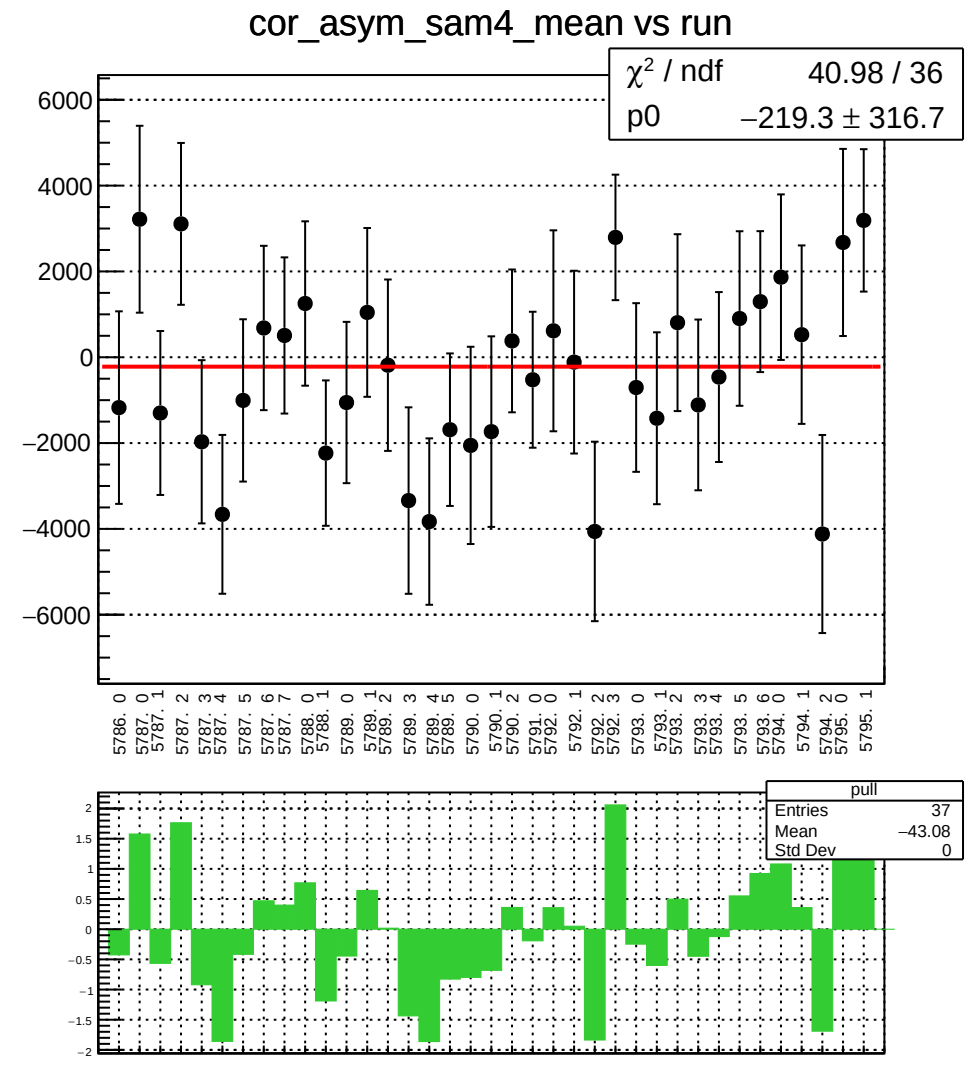

pull1D
Entries 37
Mean −0.03513
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

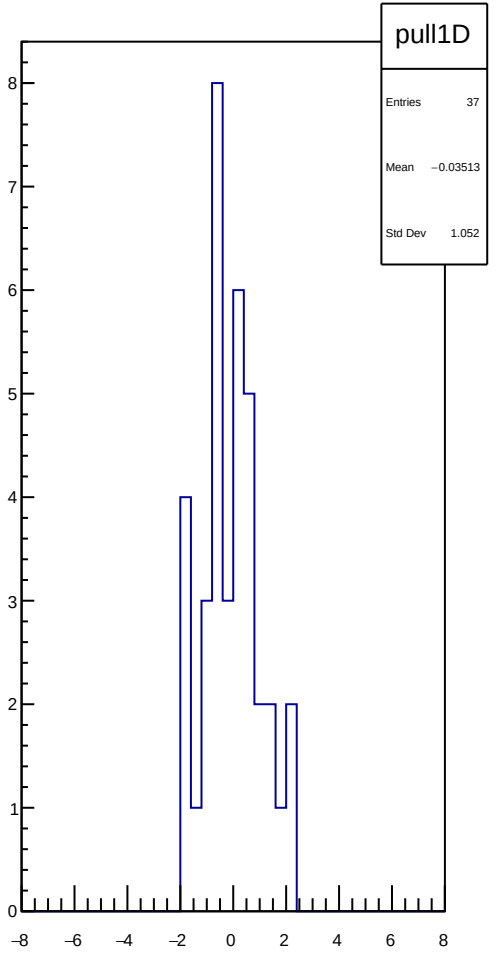

reg_asym_sam4_rms vs run
χ² / ndf 6543 / 36
p0 193.5 ± 0.2239
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

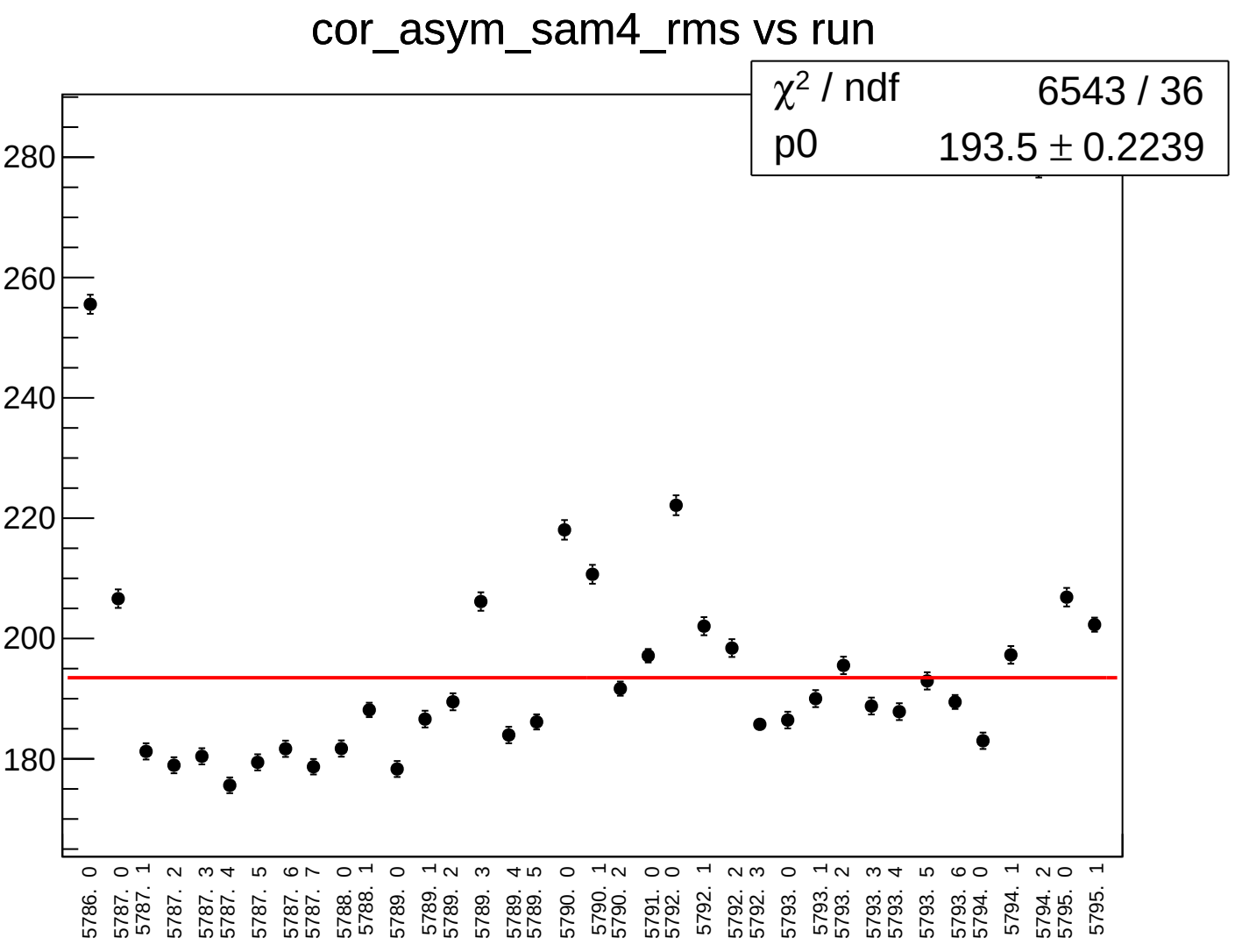

asym_sam4_reg_correction_mean vs run
χ² / ndf 42.78 / 36
p0 5612 ± 3088
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.38
Std Dev 0
2
1
0
−1
−2

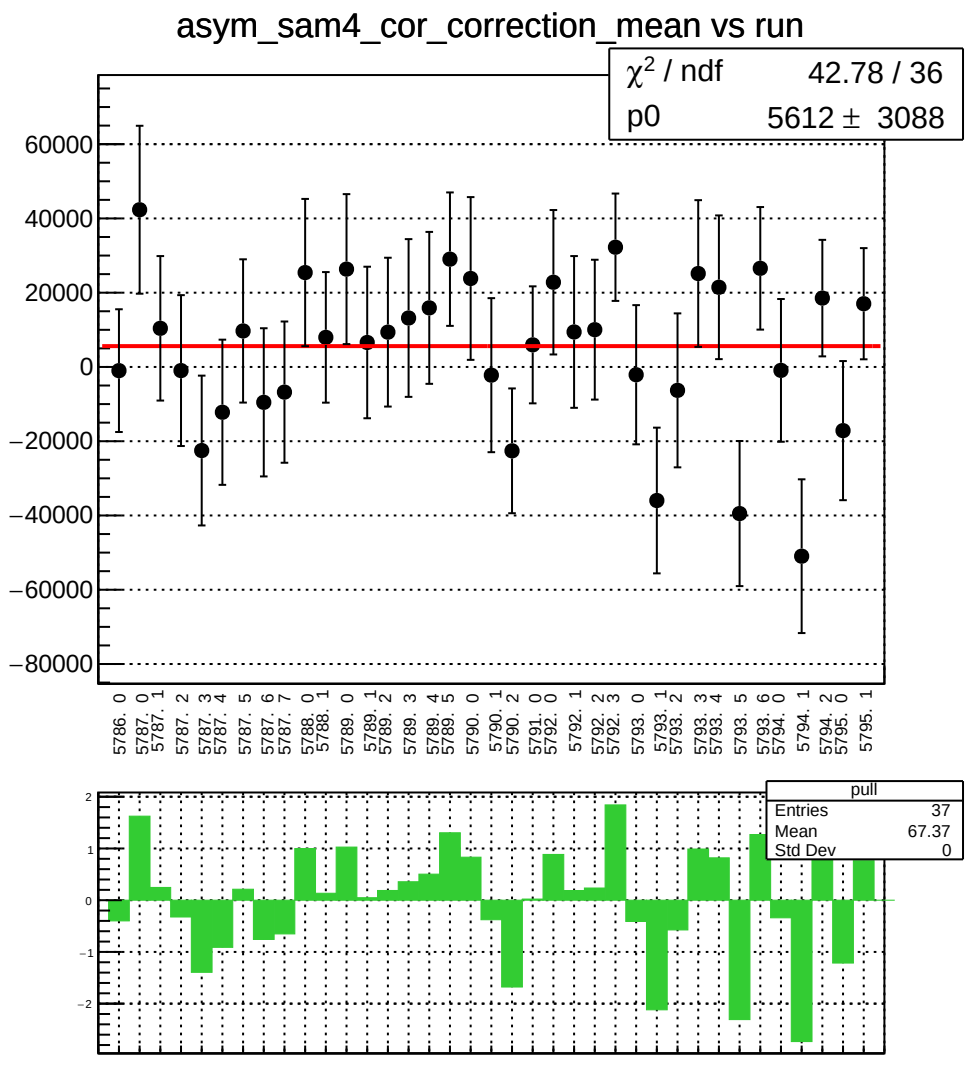

pull1D
Entries 37
Mean −0.02403
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

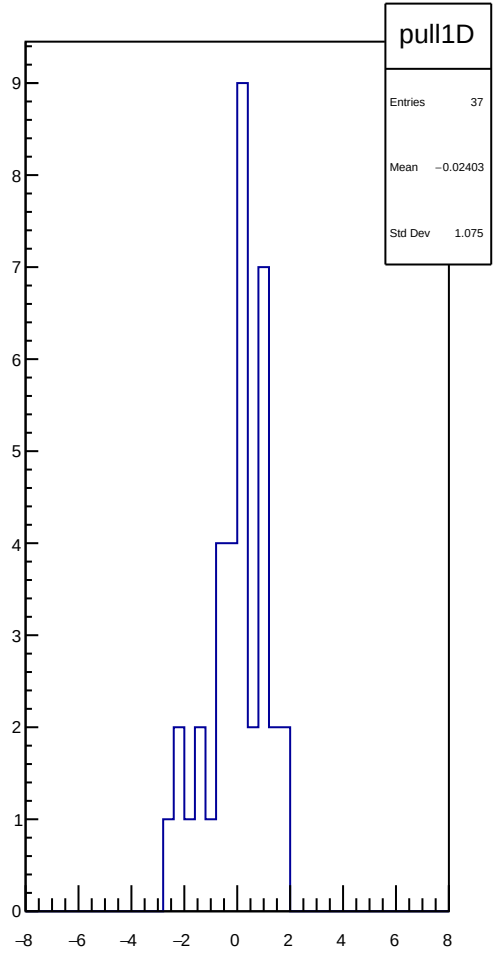

asym_sam4_reg_correction_rms vs run
χ² / ndf 1053 / 36
p0 1894 ± 2.184
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

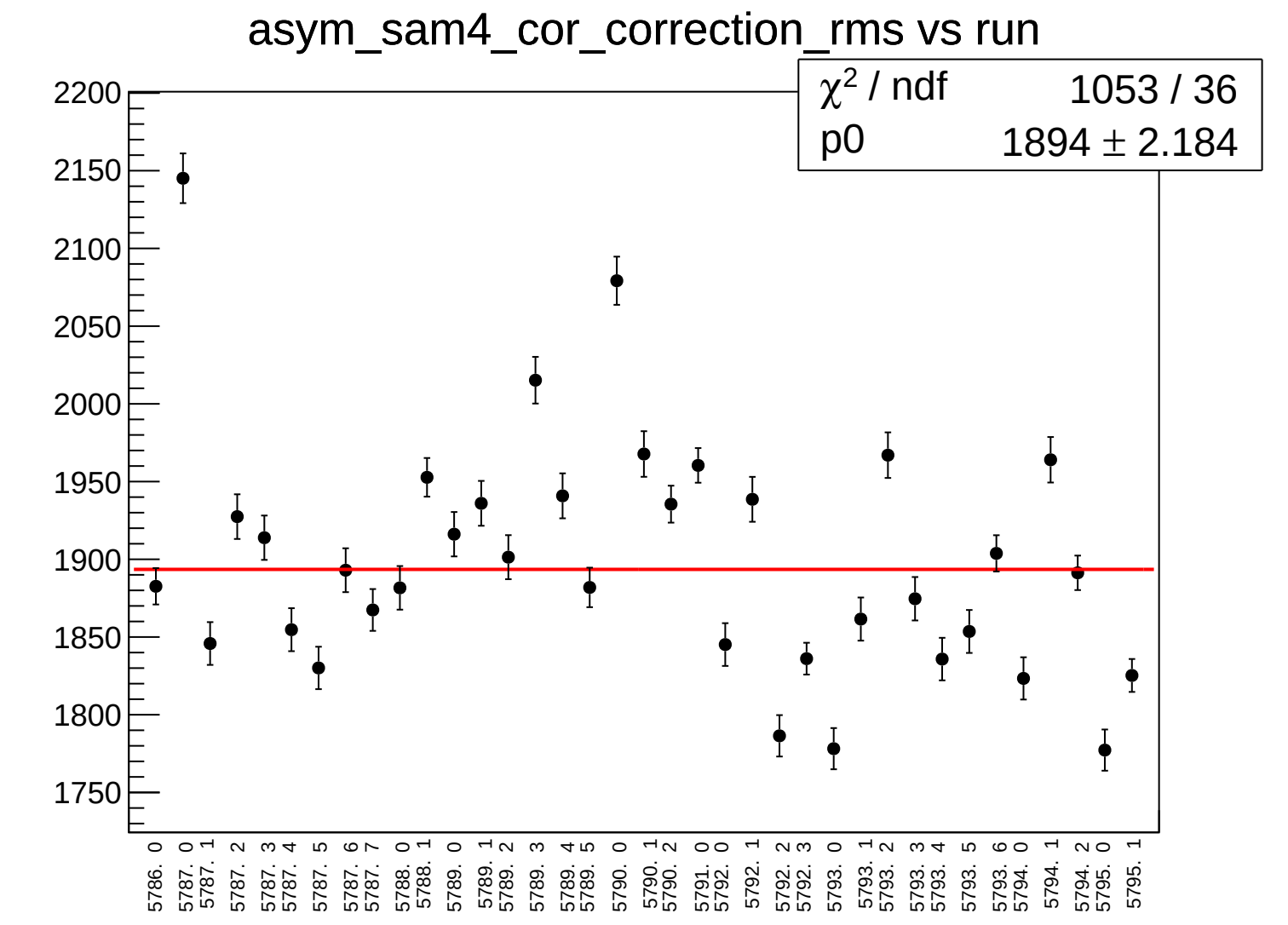

cor_asym_sam4_mean vs run
χ² / ndf 40.98 / 36
p0 −219.3 ± 316.7
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −43.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

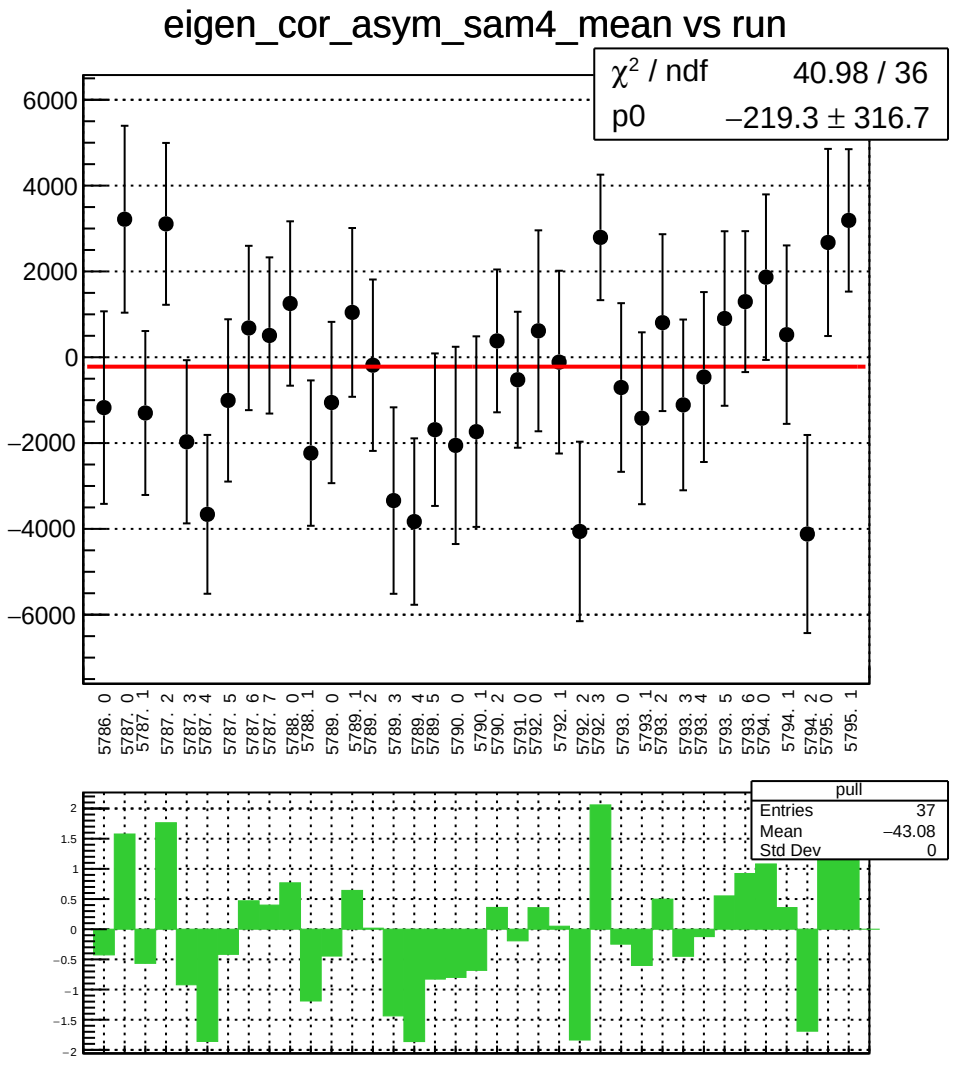

pull1D
Entries 37
Mean −0.03513
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

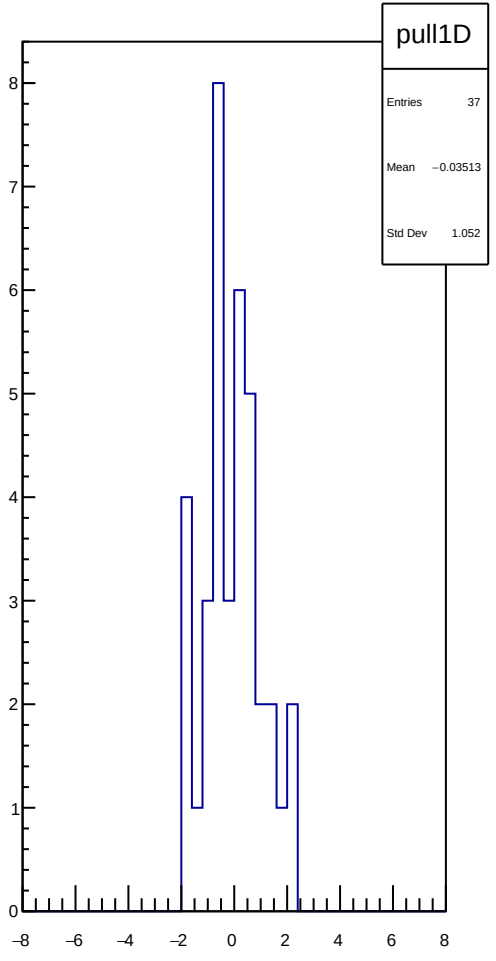

cor_asym_sam4_rms vs run
χ² / ndf 6543 / 36
p0 193.5 ± 0.2239
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam4_cor_correction_mean vs run
χ² / ndf 42.78 / 36
p0 5612 ± 3088
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.37
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02403
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_cor_correction_rms vs run
χ² / ndf 1053 / 36
p0 1894 ± 2.184
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam4_mean vs run
χ² / ndf 40.98 / 36
p0 −219.3 ± 316.7
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −43.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.03513
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
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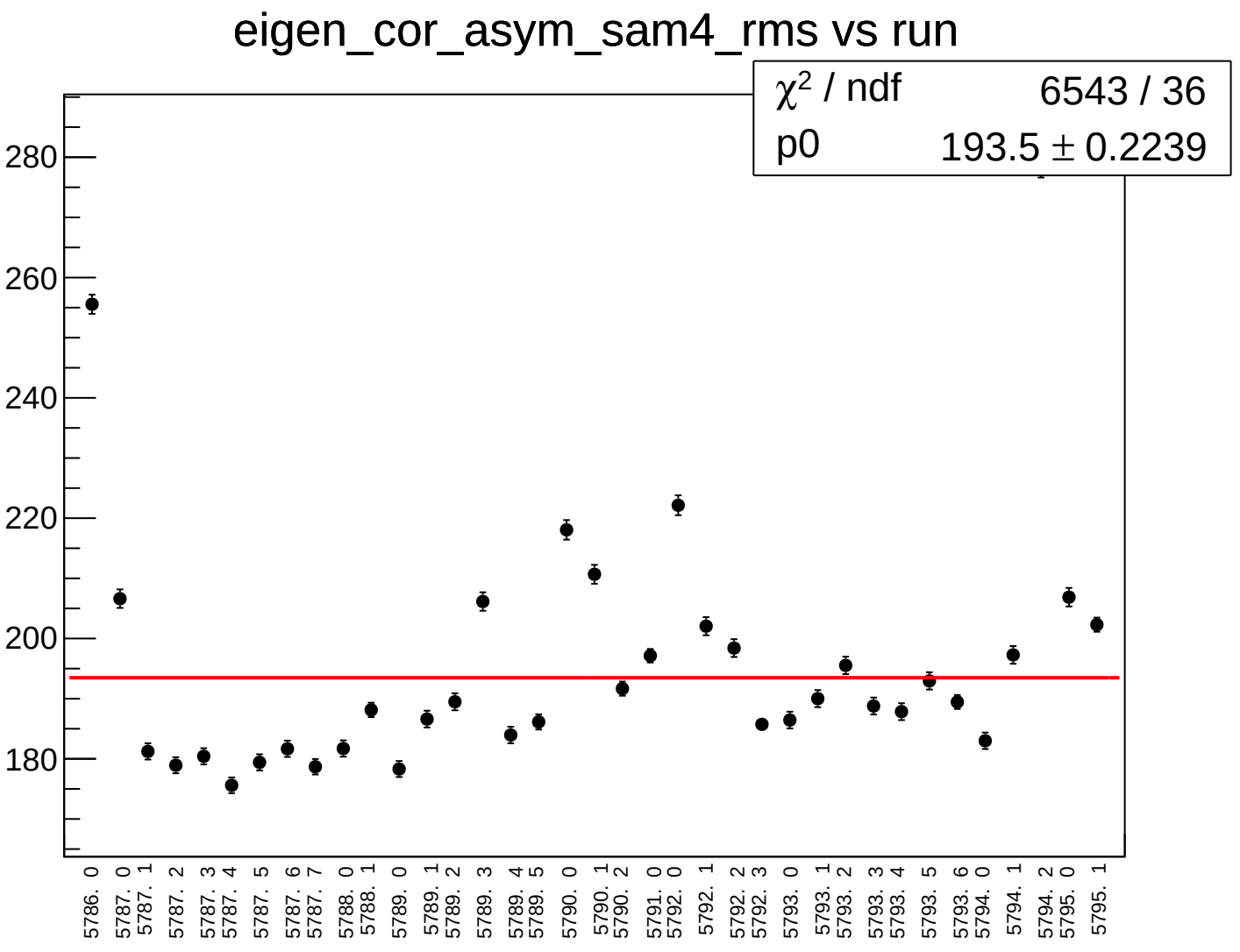
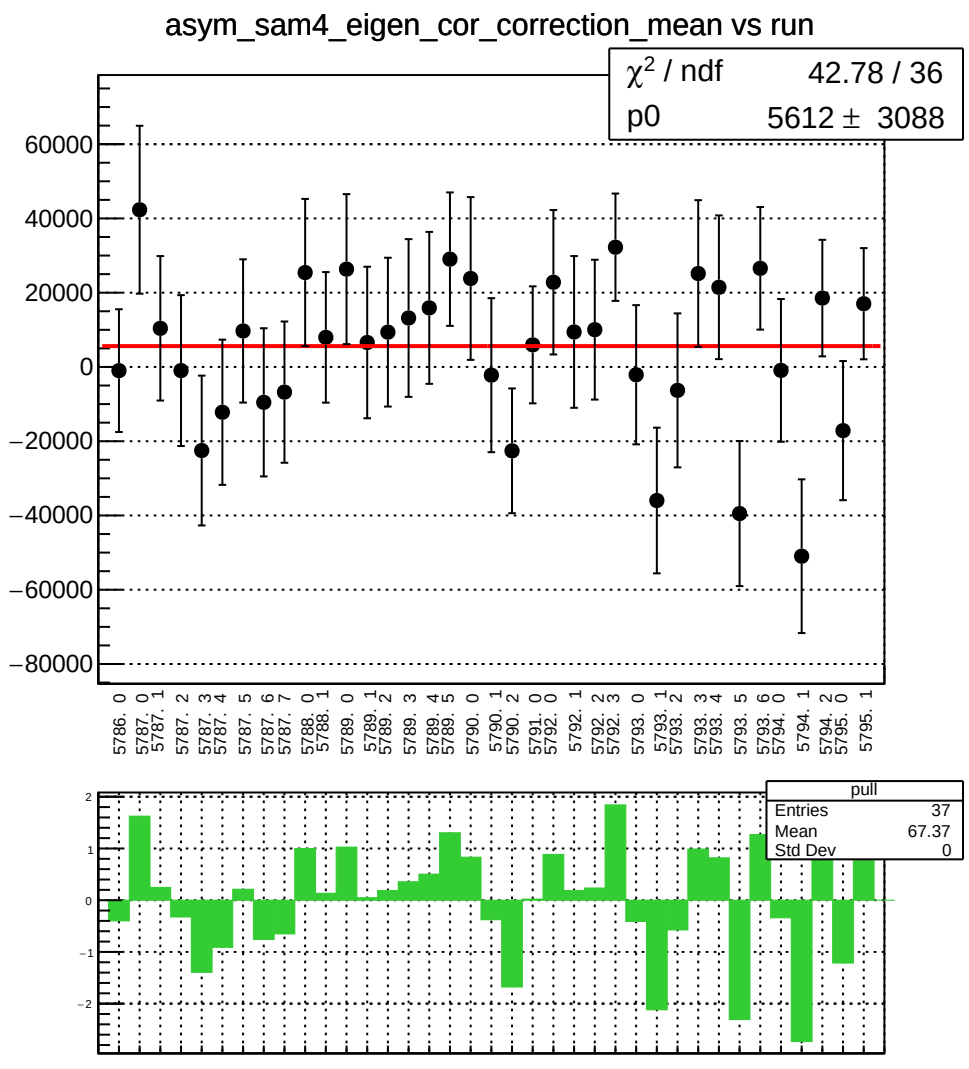
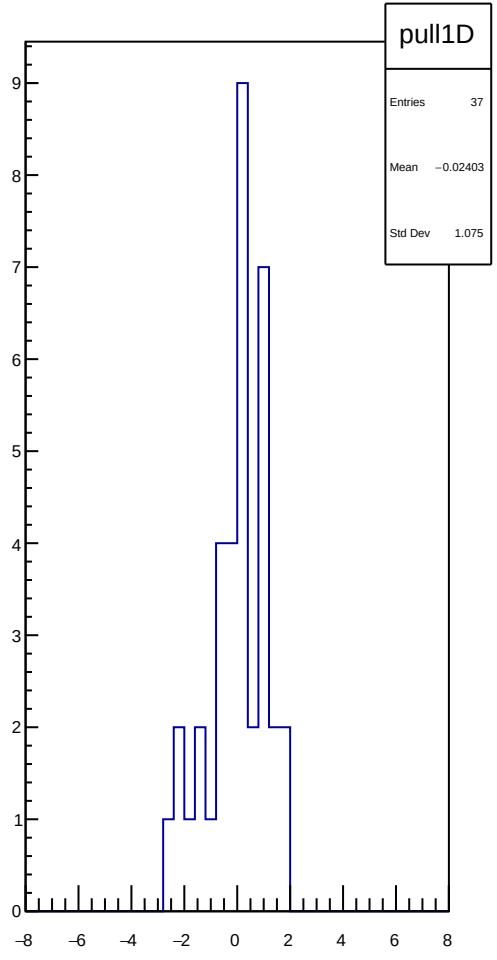
−4
−2
0
2
4
6
8


eigen_cor_asym_sam4_rms vs run
χ² / ndf 6543 / 36
p0 193.5 ± 0.2239
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam4_eigen_cor_correction_mean vs run
χ² / ndf 42.78 / 36
p0 5612 ± 3088
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.37
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02403
Std Dev 1.075
9
8
7
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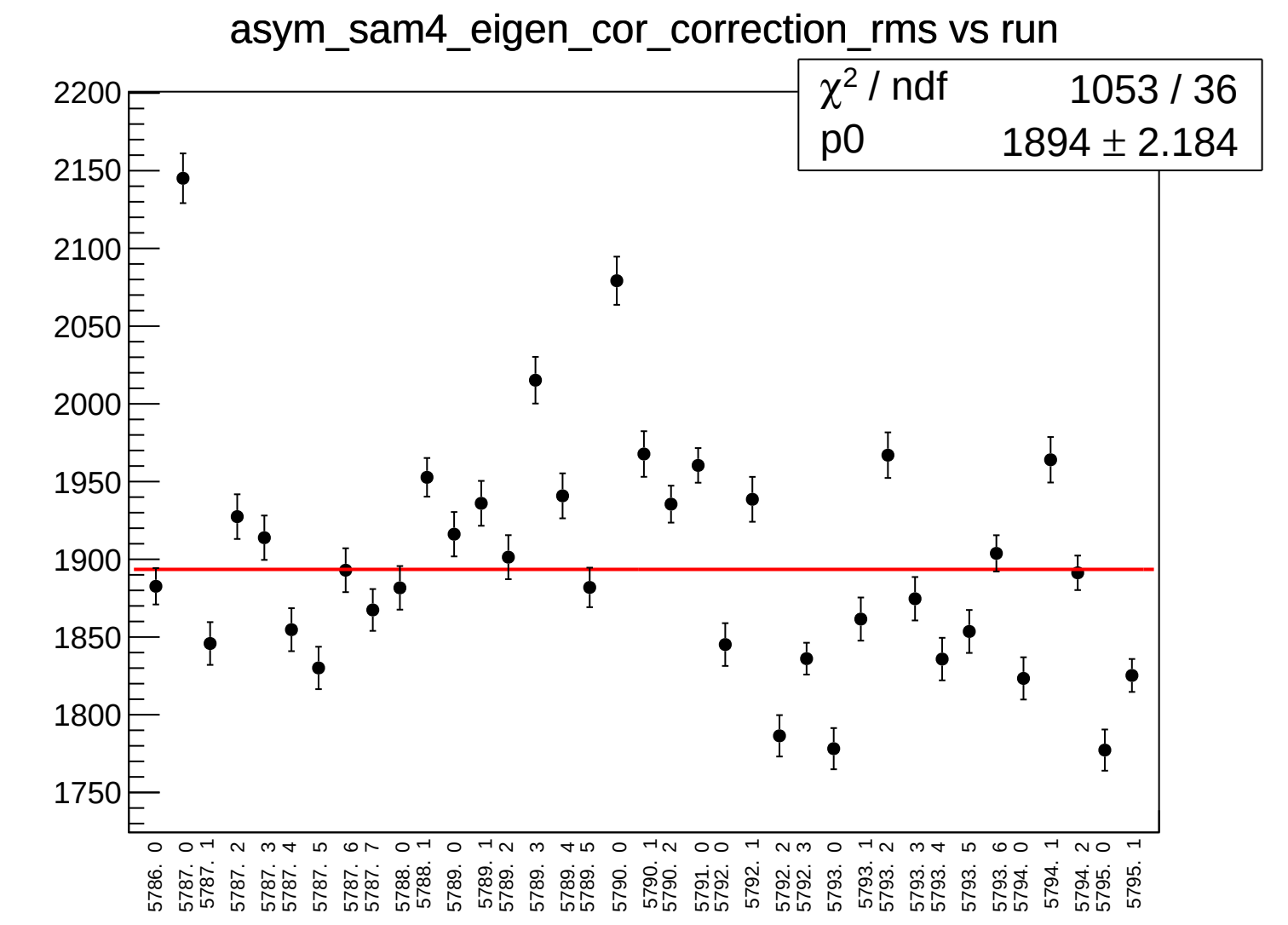
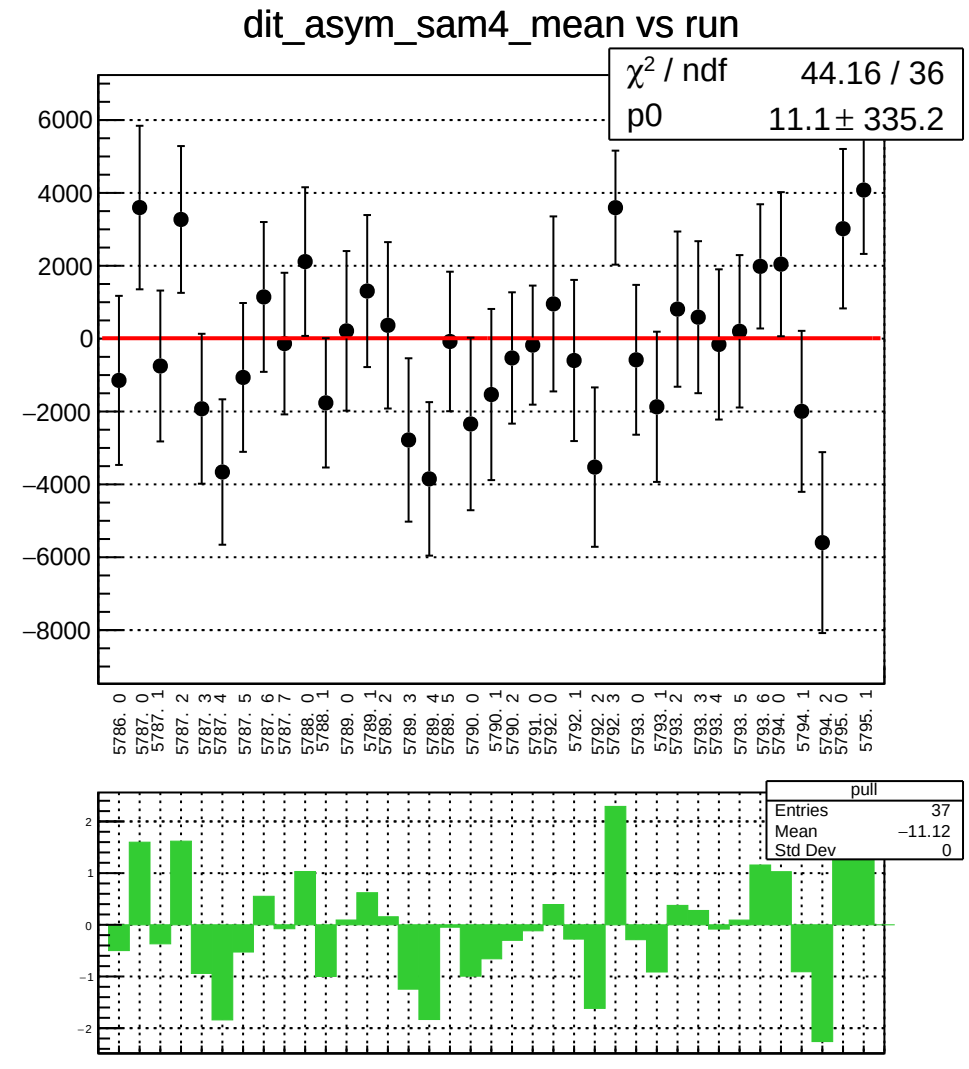
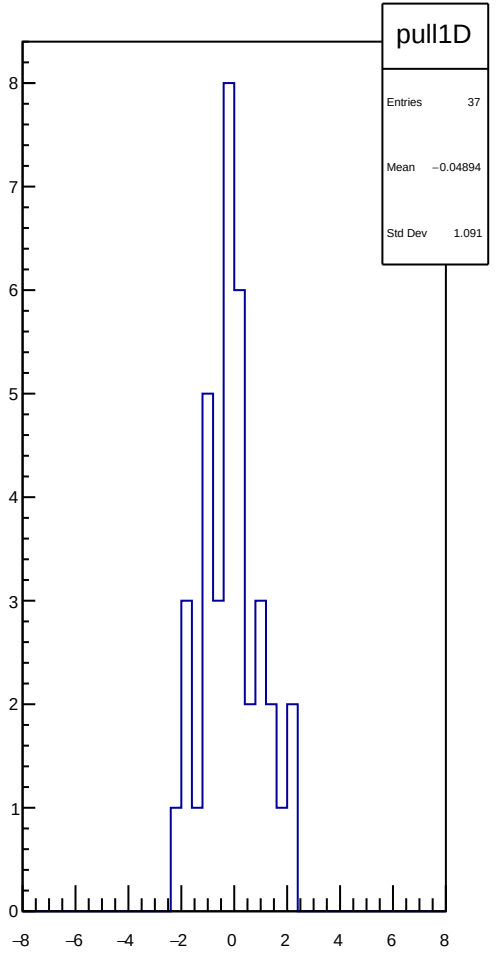
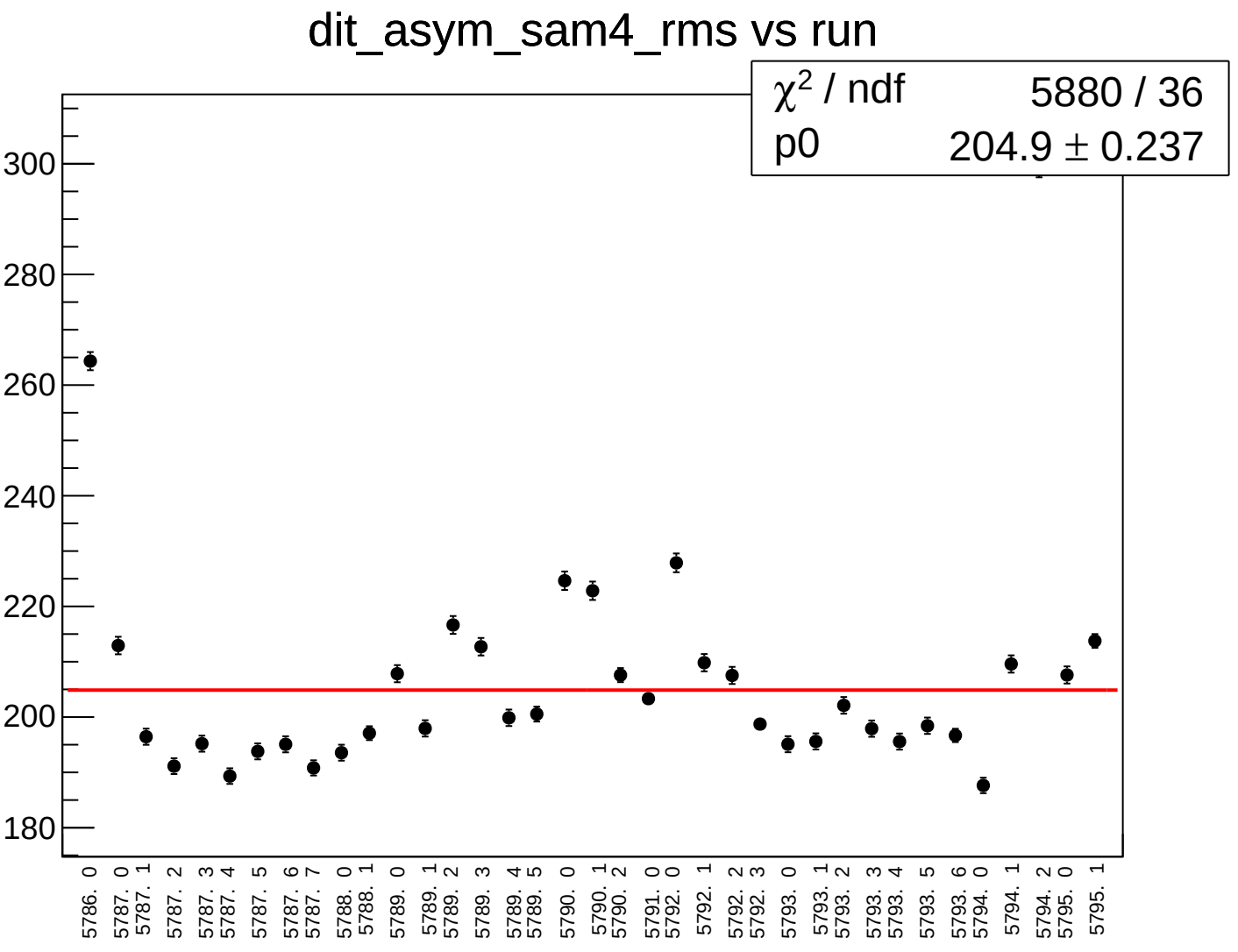
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_eigen_cor_correction_rms vs run
χ² / ndf 1053 / 36
p0 1894 ± 2.184
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam4_mean vs run
χ² / ndf 44.16 / 36
p0 11.1 ± 335.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.12
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.04894
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam4_rms vs run
χ² / ndf 5880 / 36
p0 204.9 ± 0.237
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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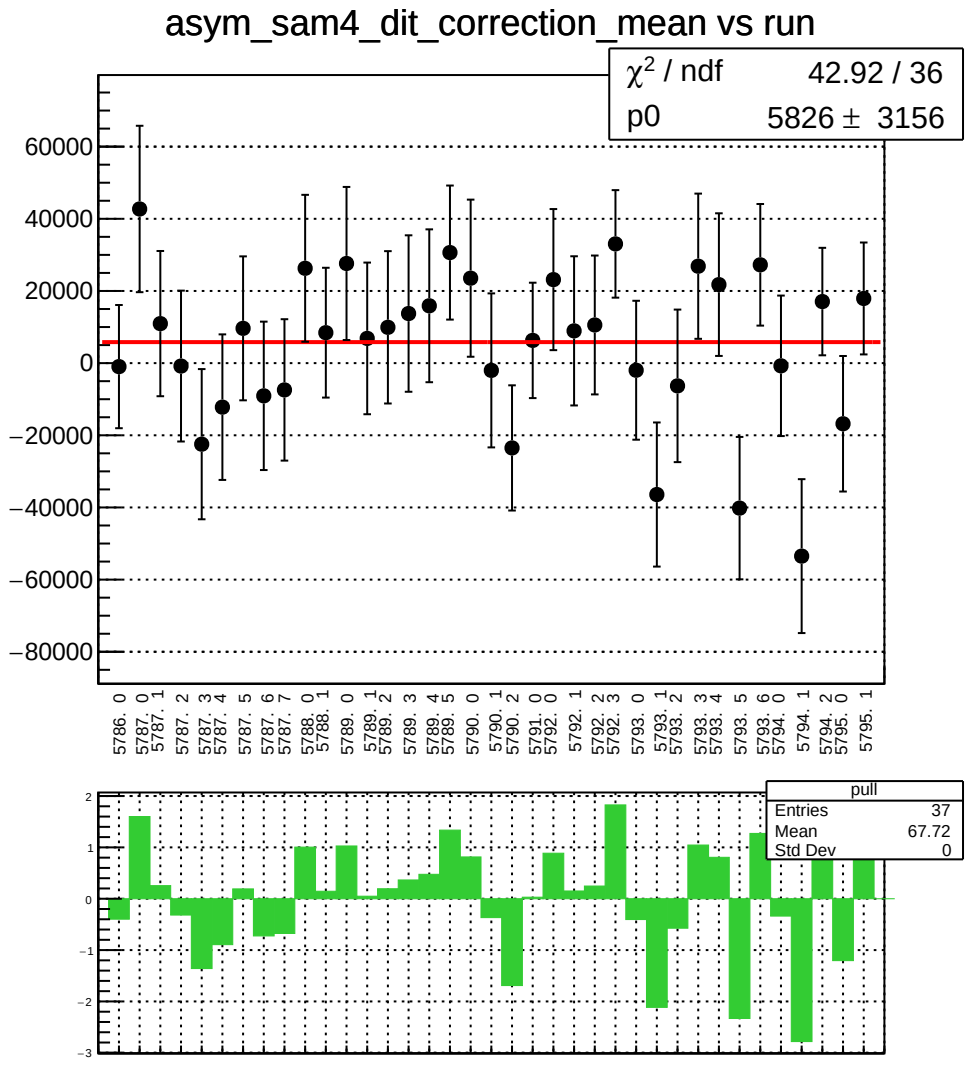
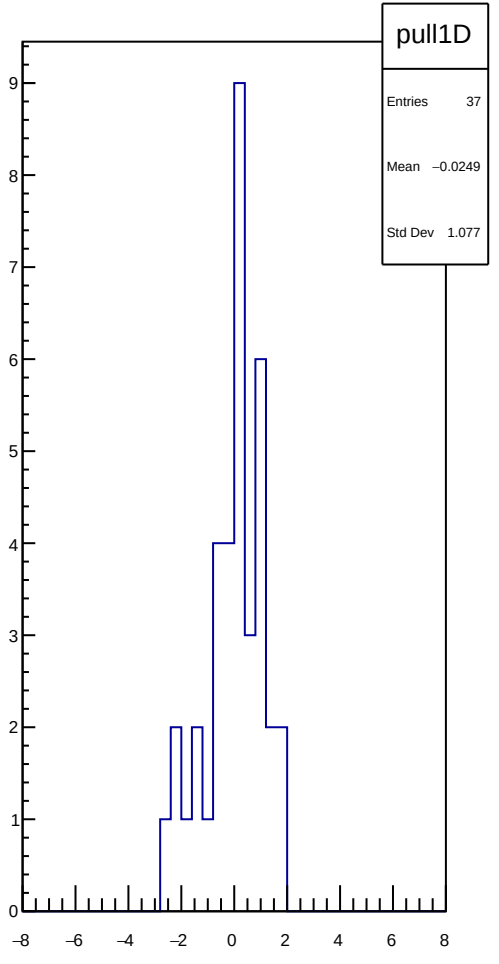
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam4_dit_correction_mean vs run
χ² / ndf 42.92 / 36
p0 5826 ± 3156
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.72
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.0249
Std Dev 1.077
9
8
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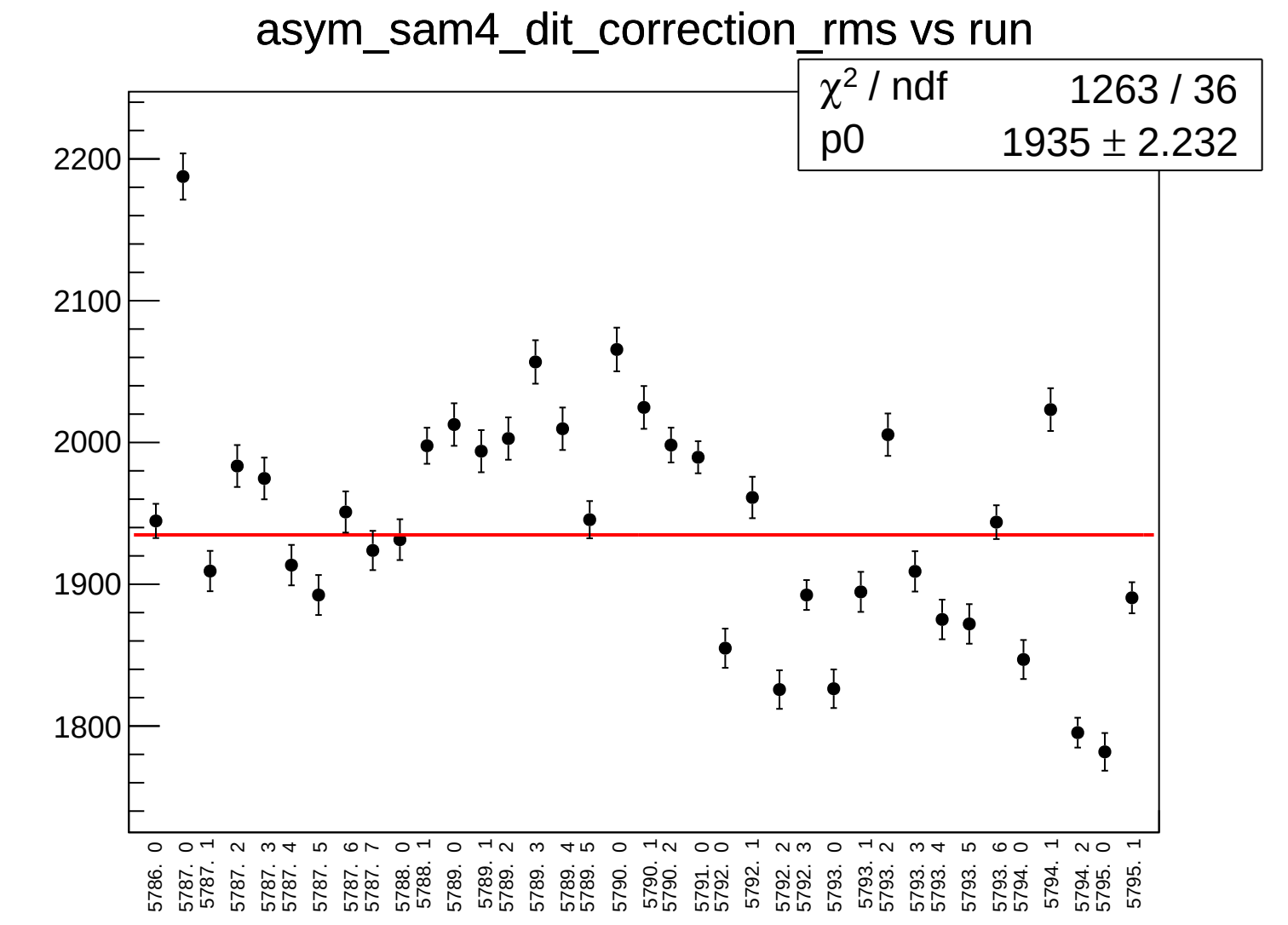
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam4_dit_correction_rms vs run
χ² / ndf 1263 / 36
p0 1935 ± 2.232
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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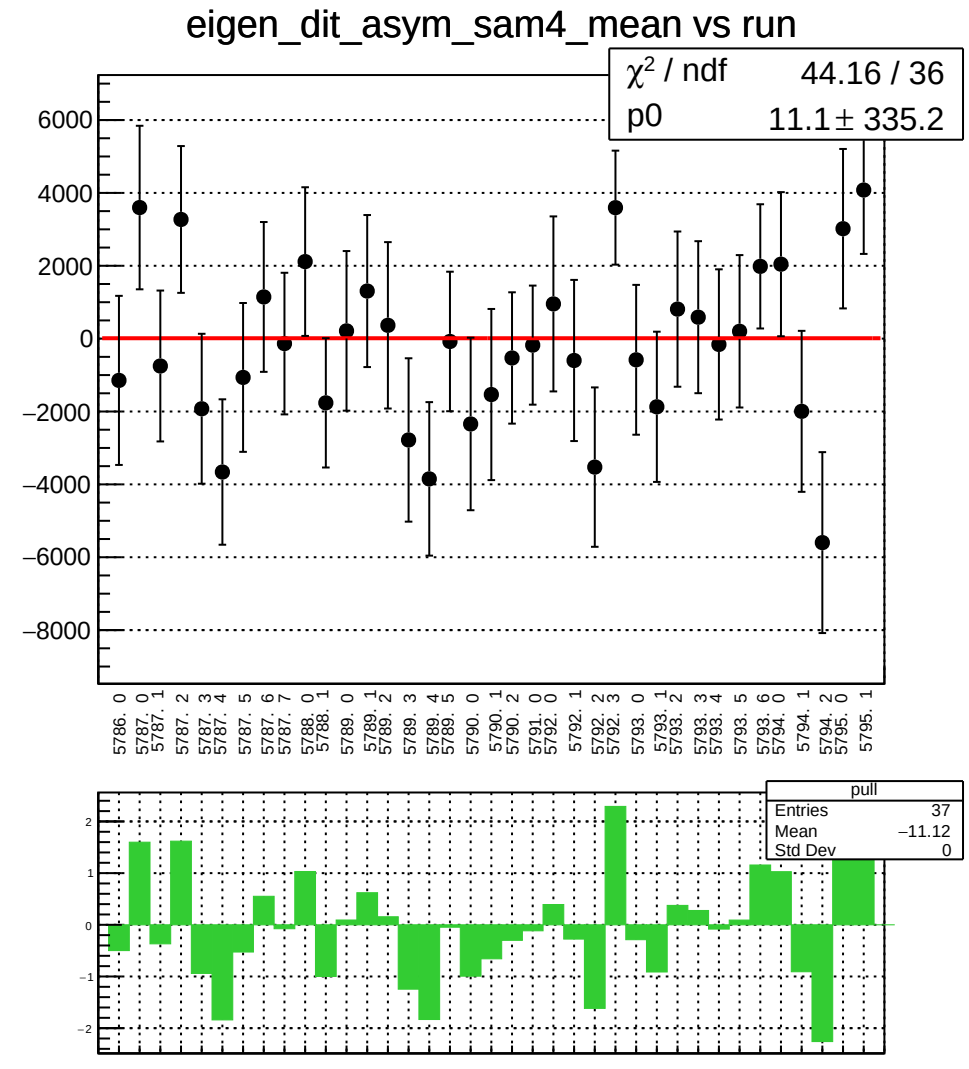
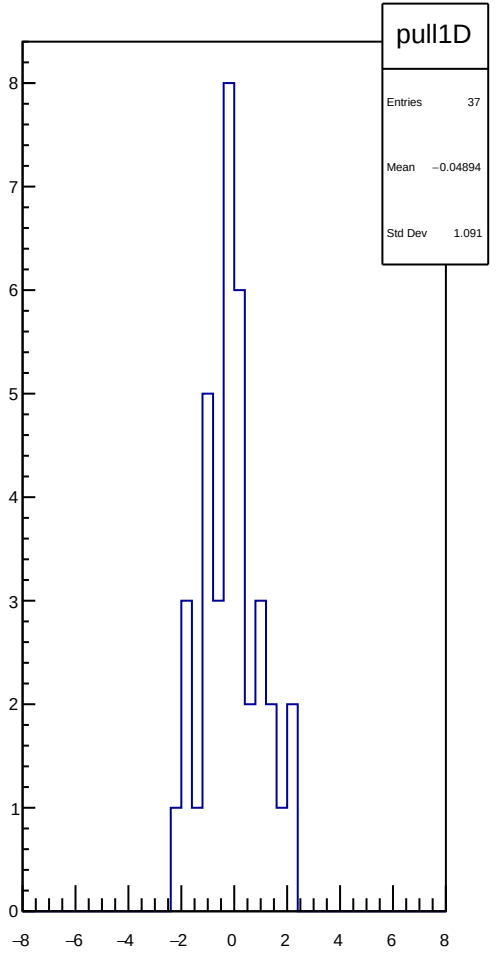
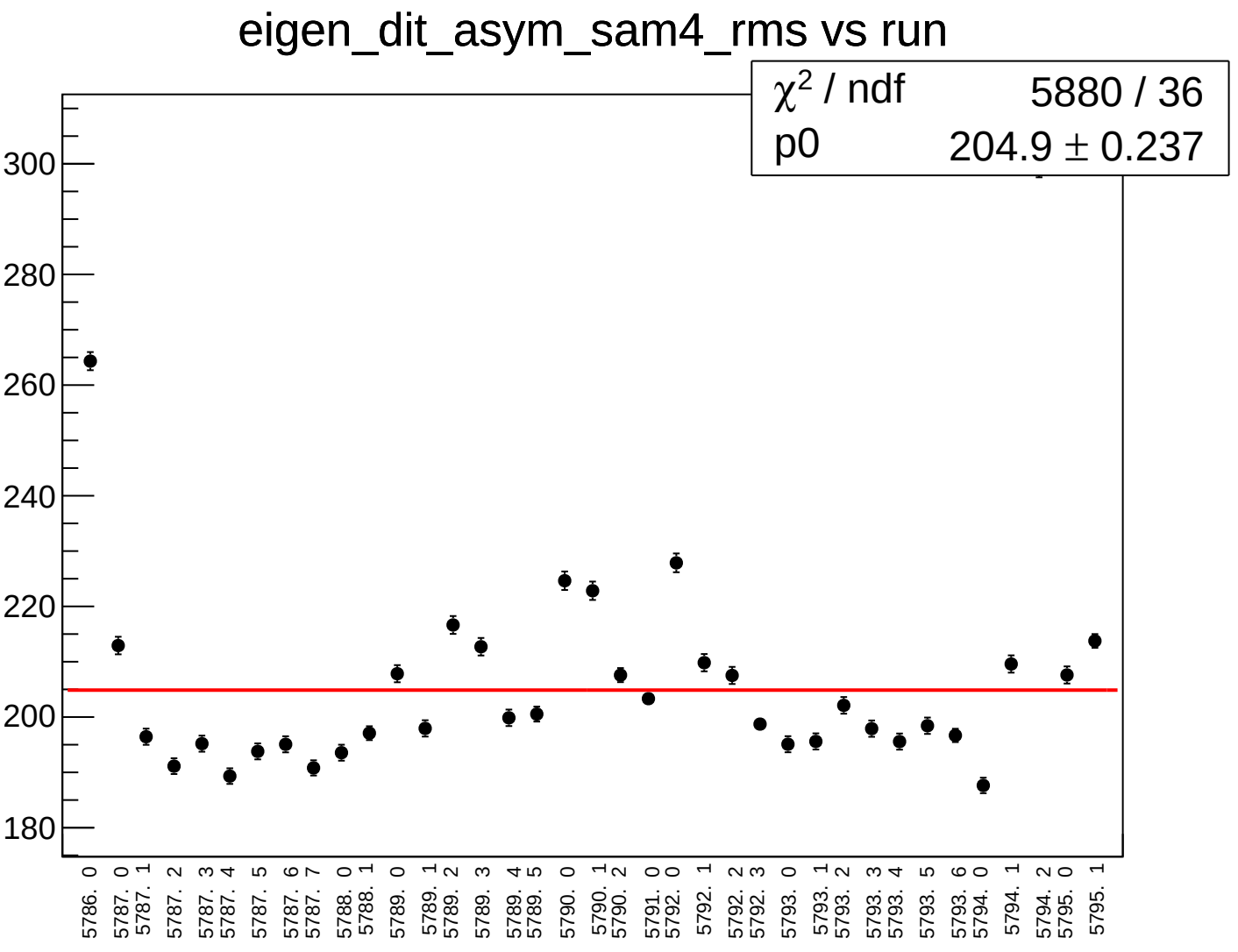
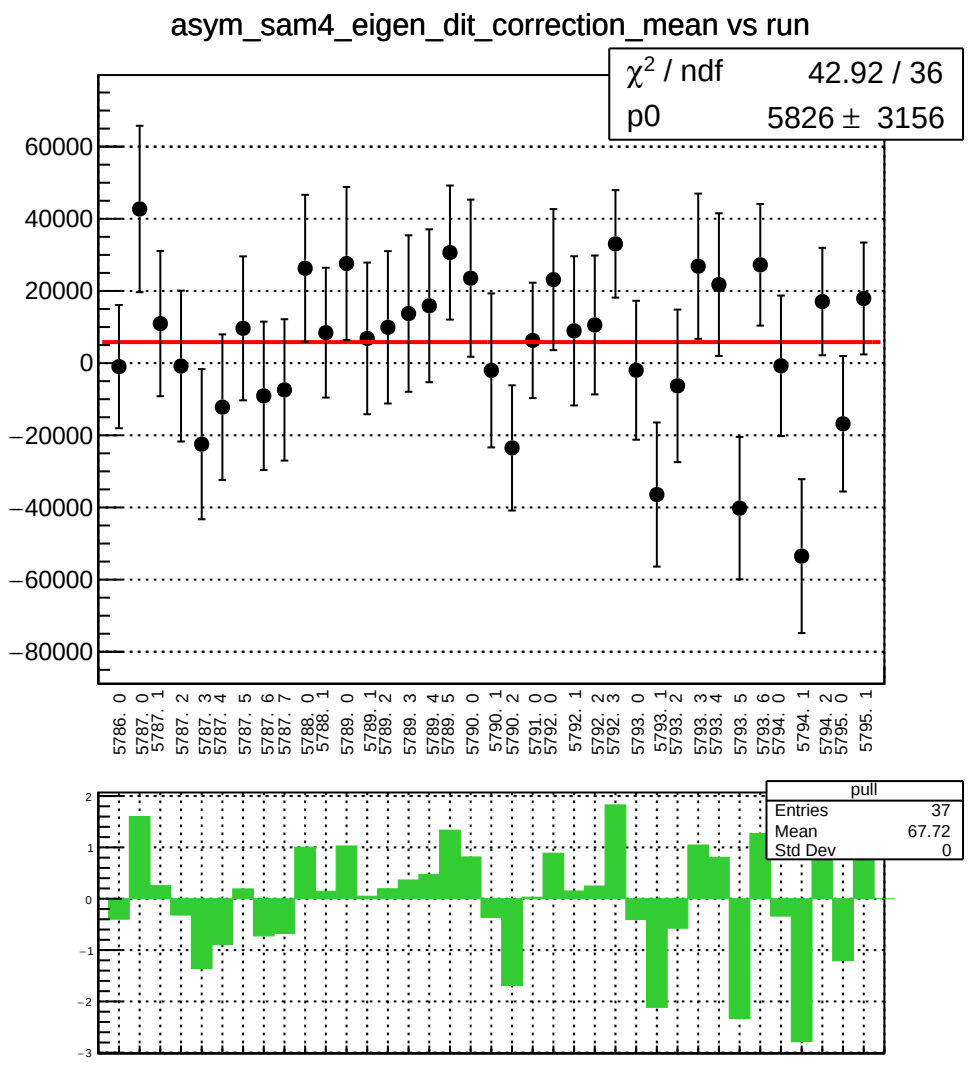
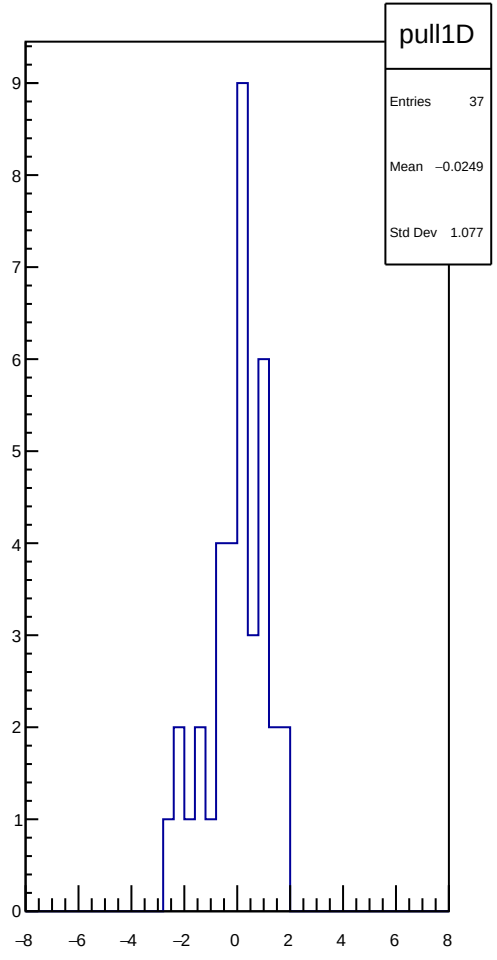
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

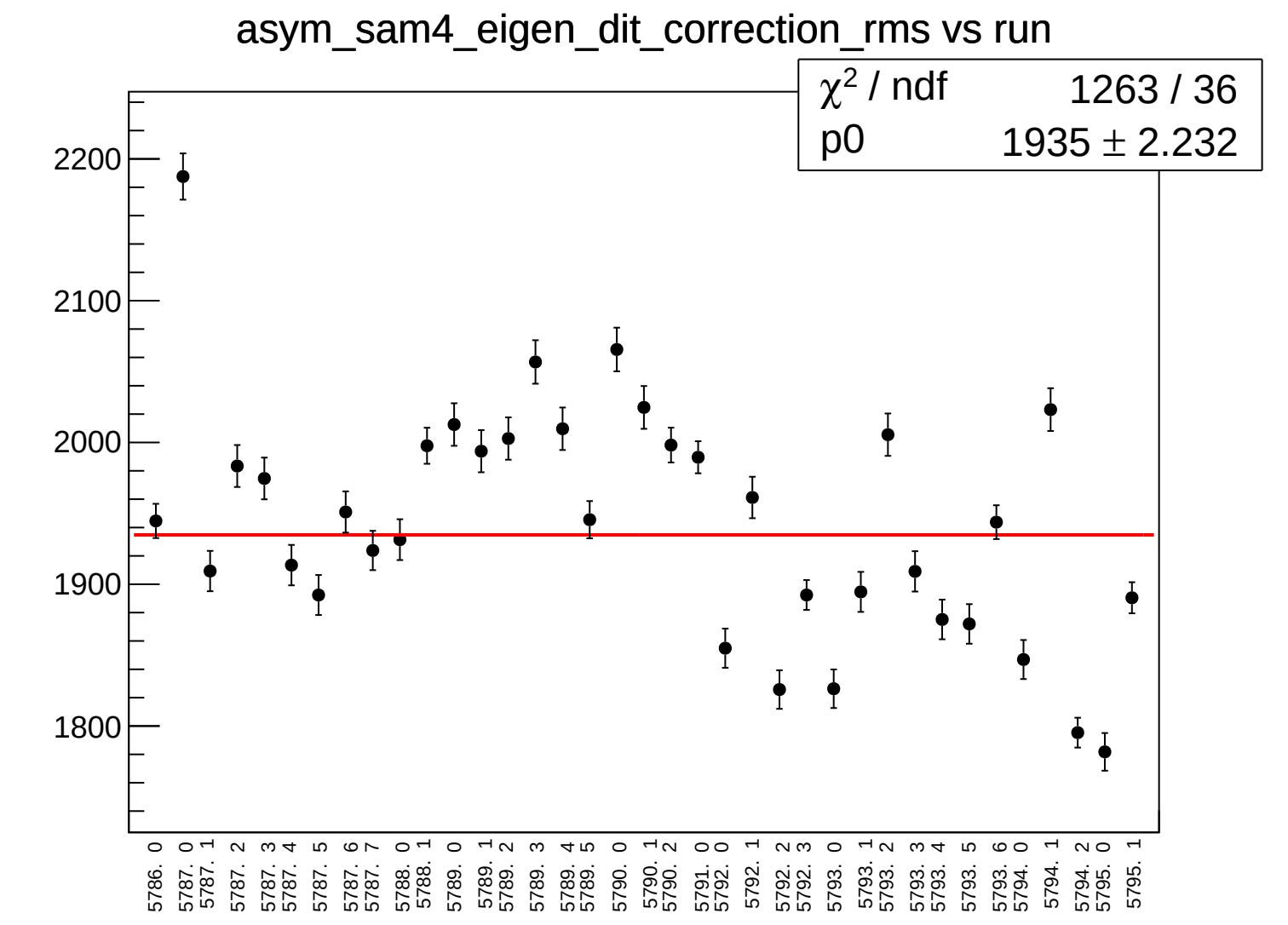

eigen_dit_asym_sam4_mean vs run
χ² / ndf 44.16 / 36
p0 11.1 ± 335.2
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −11.12
Std Dev 0
2
1
0
−1
−2

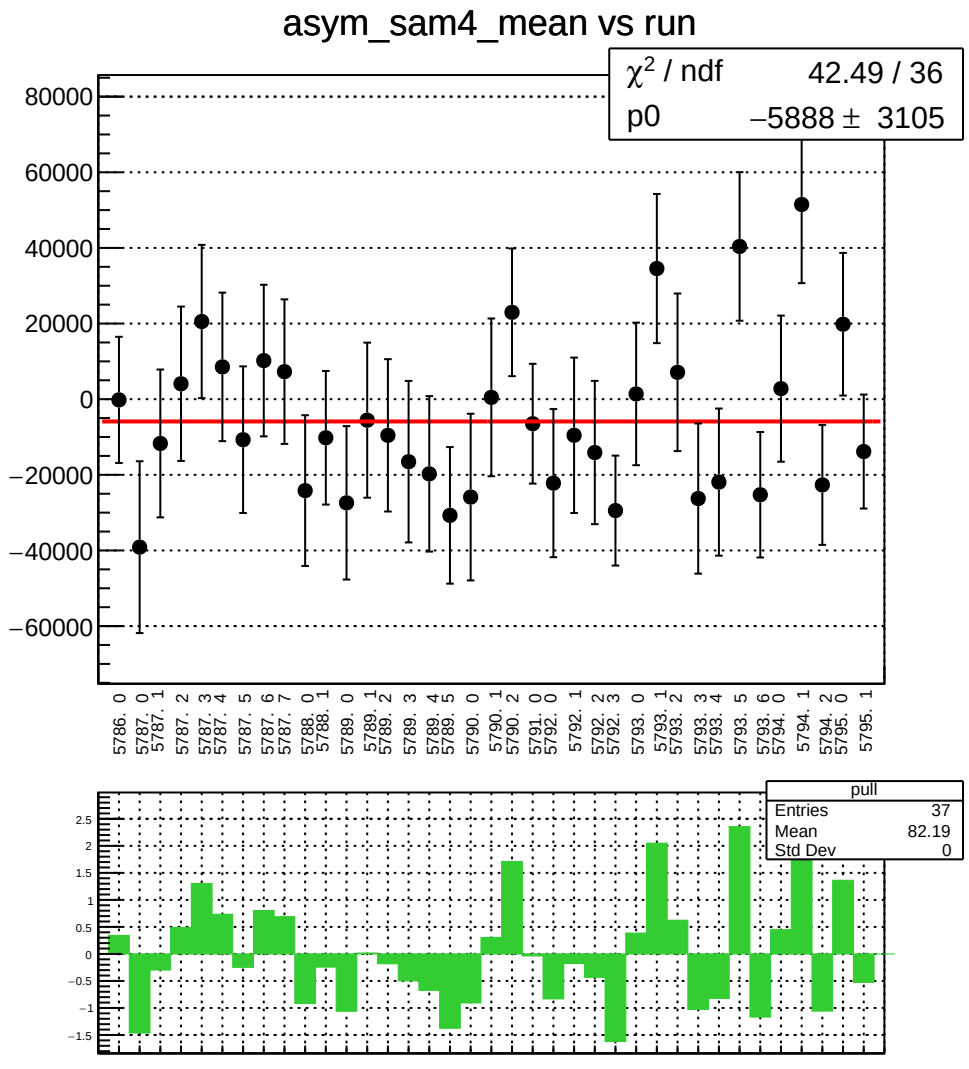

pull1D
Entries 37
Mean −0.04894
Std Dev 1.091
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

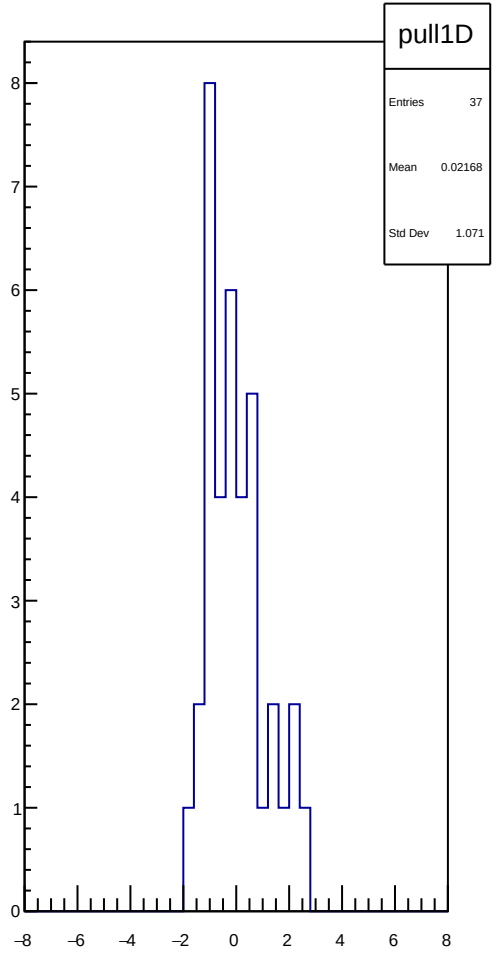

eigen_dit_asym_sam4_rms vs run
χ² / ndf 5880 / 36
p0 204.9 ± 0.237
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

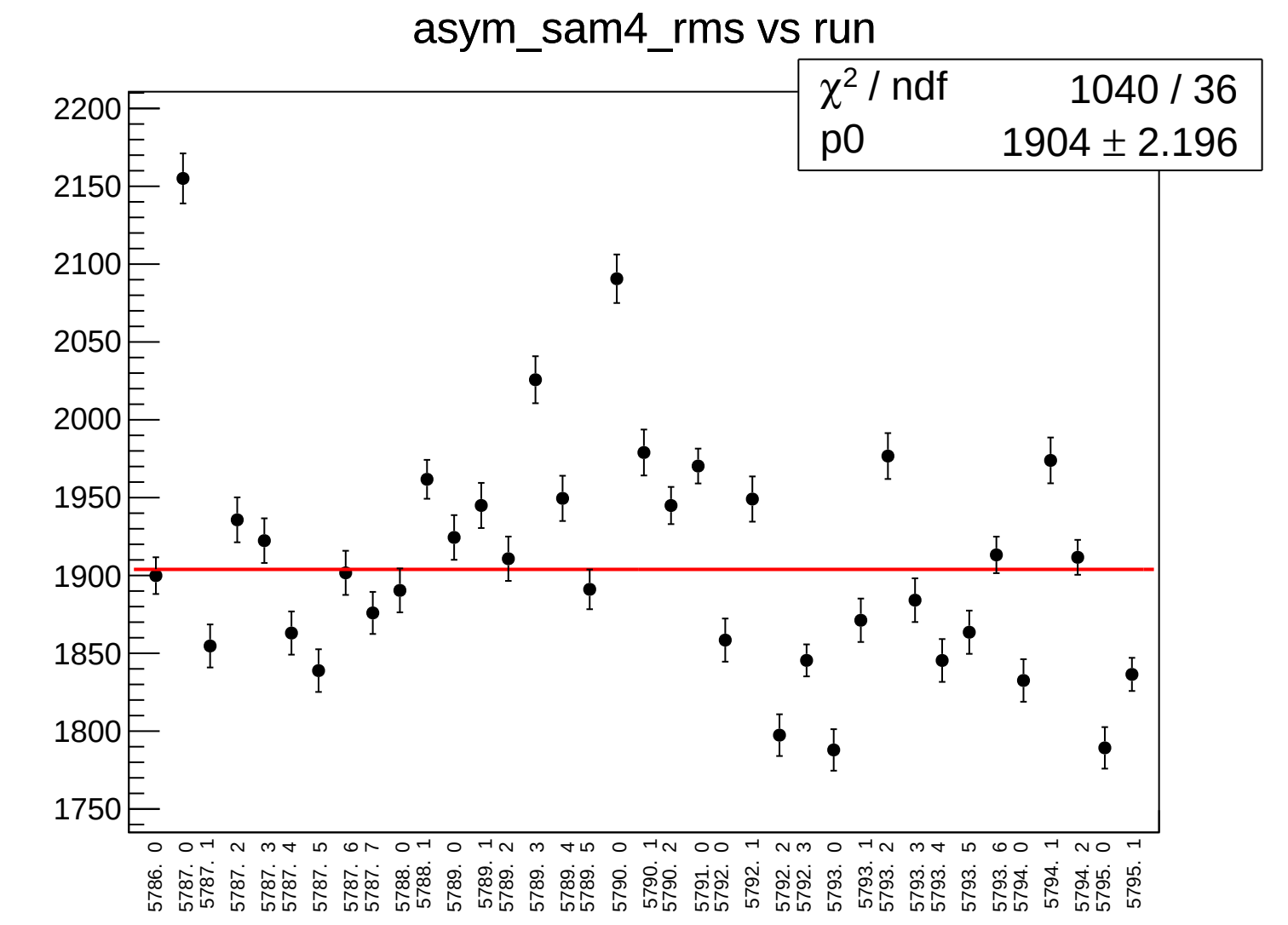

asym_sam4_eigen_dit_correction_mean vs run
χ² / ndf 42.92 / 36
p0 5826 ± 3156
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.72
Std Dev 0
2
1
0
−1
−2
−3

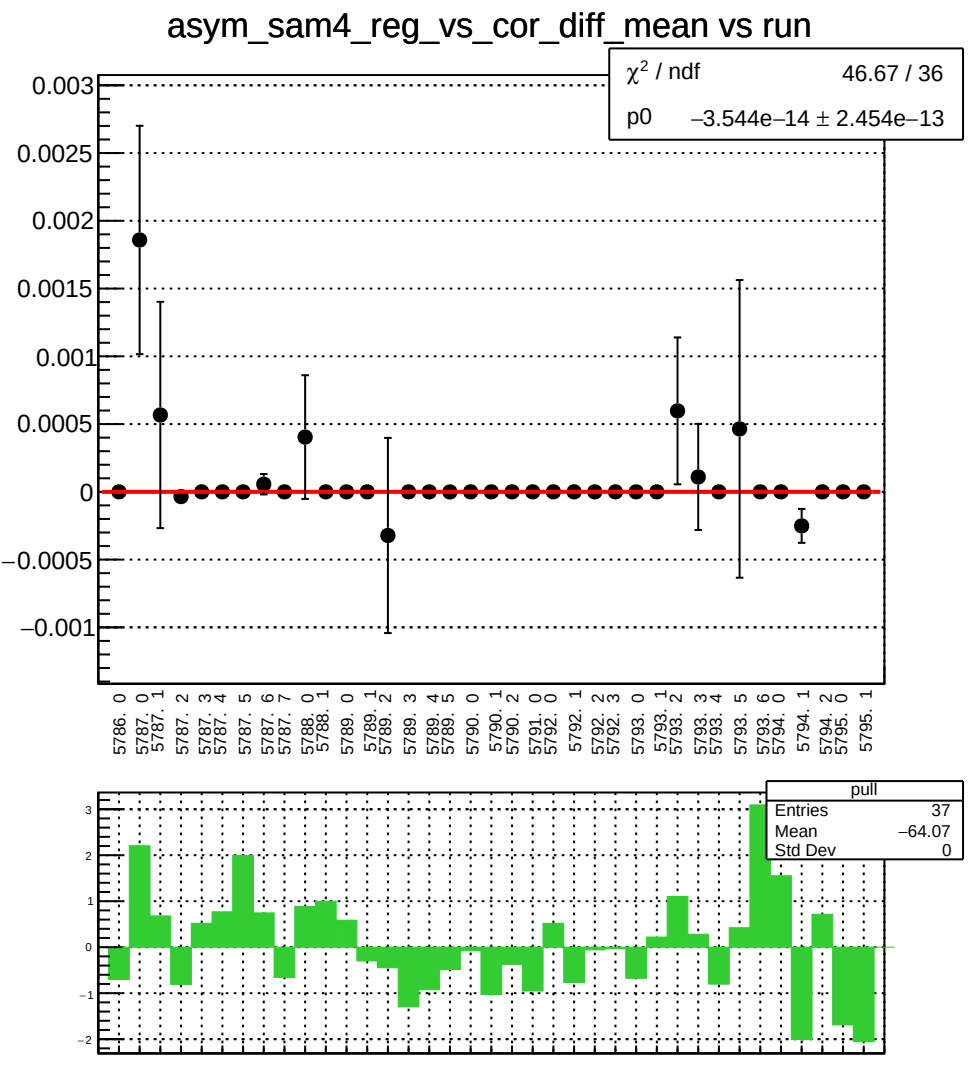

pull1D
Entries 37
Mean −0.0249
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

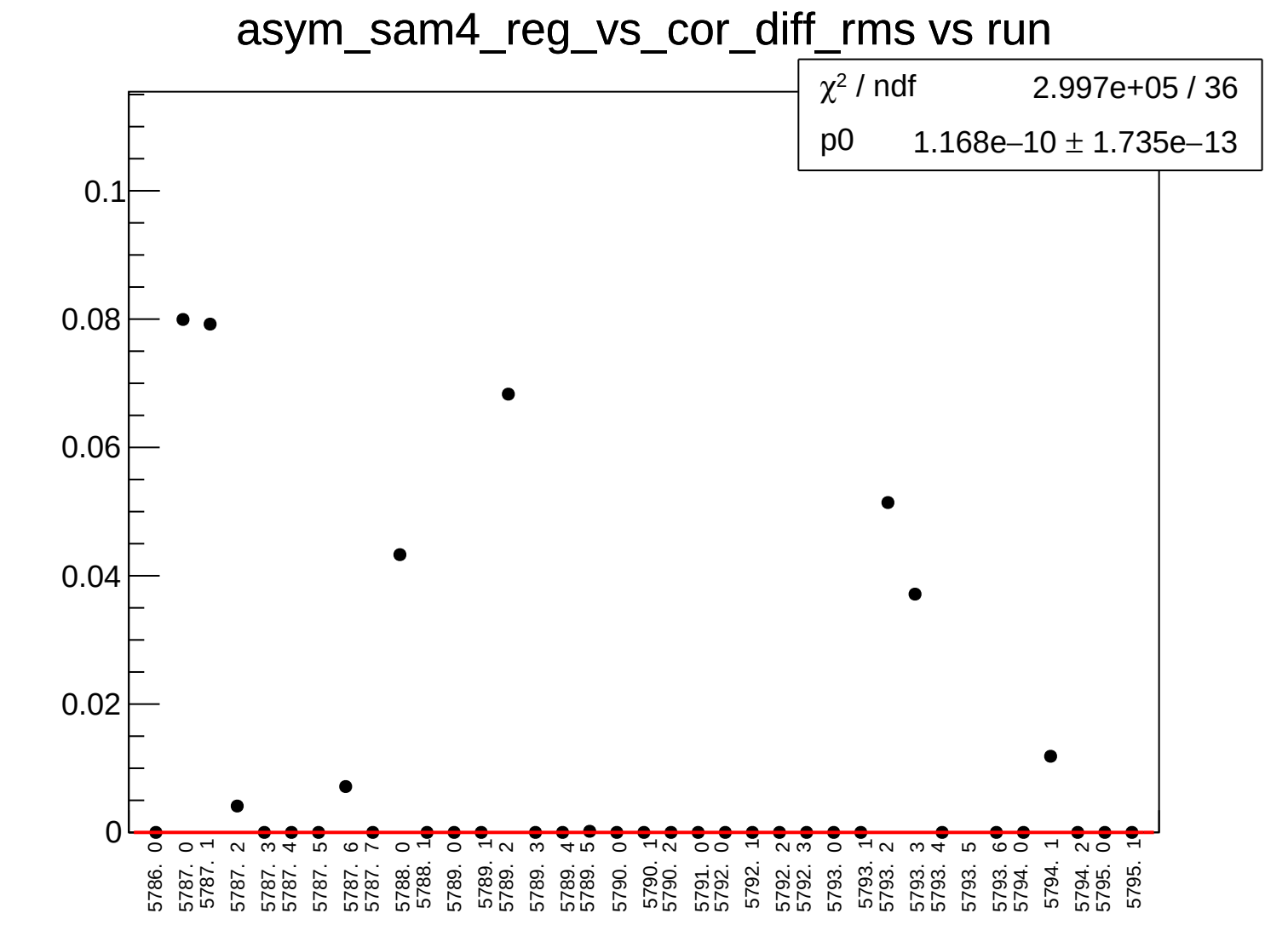

asym_sam4_eigen_dit_correction_rms vs run
χ² / ndf 1263 / 36
p0 1935 ± 2.232
2200
2100
2000
1900
1800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

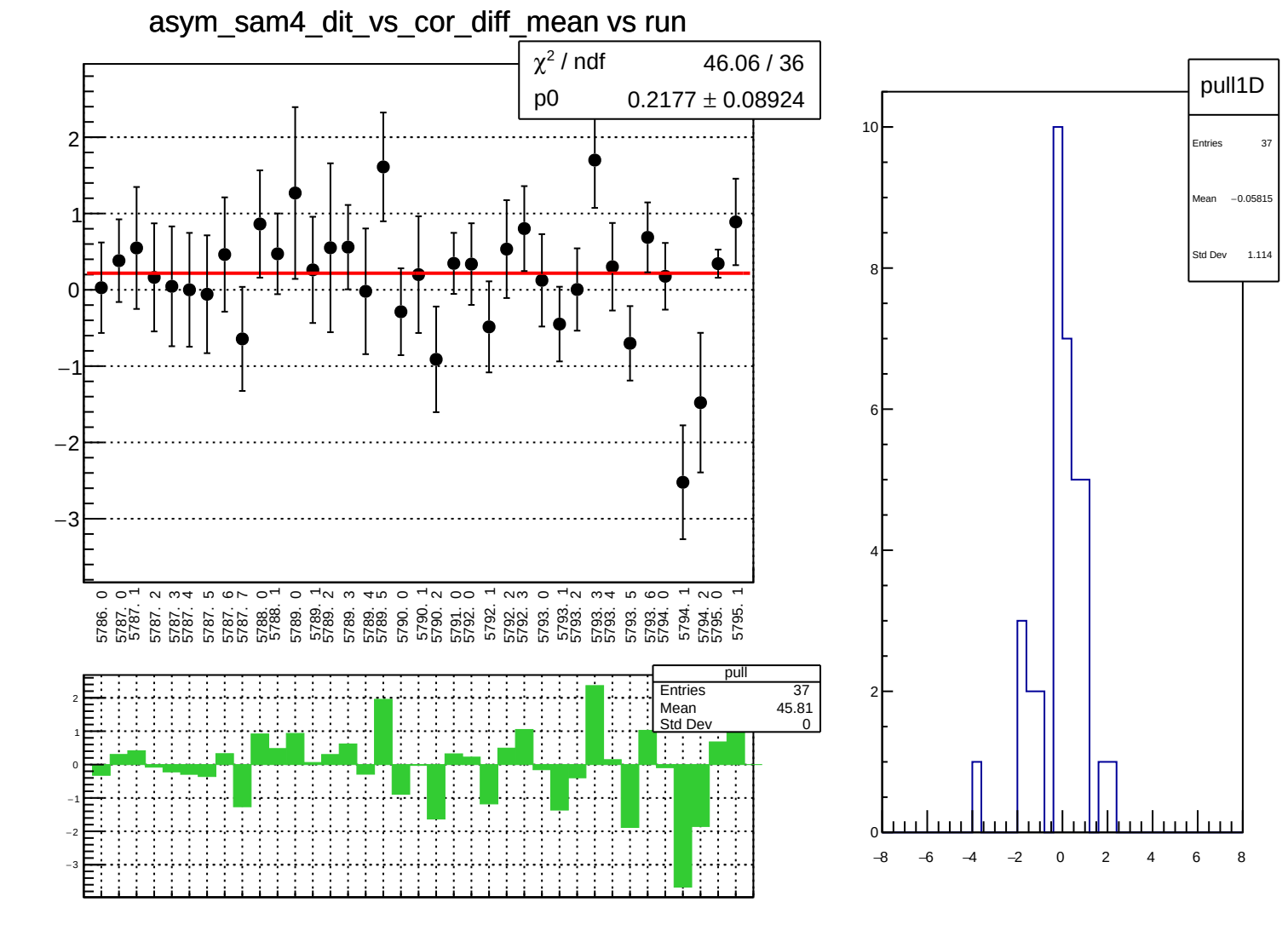

asym_sam4_mean vs run
χ² / ndf 42.49 / 36
p0 −5888 ± 3105
80000
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 82.19
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

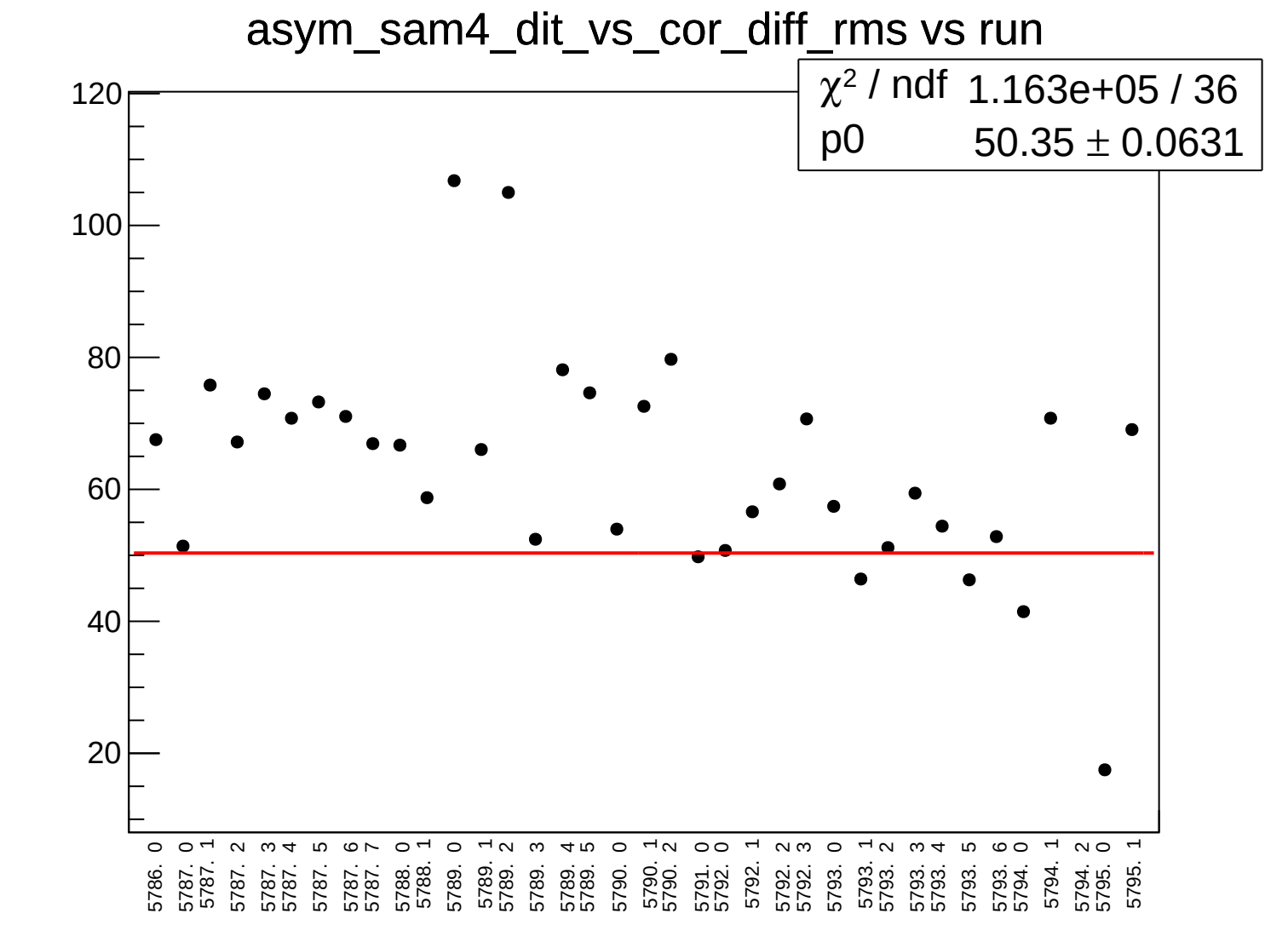

pull1D
Entries 37
Mean 0.02168
Std Dev 1.071
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

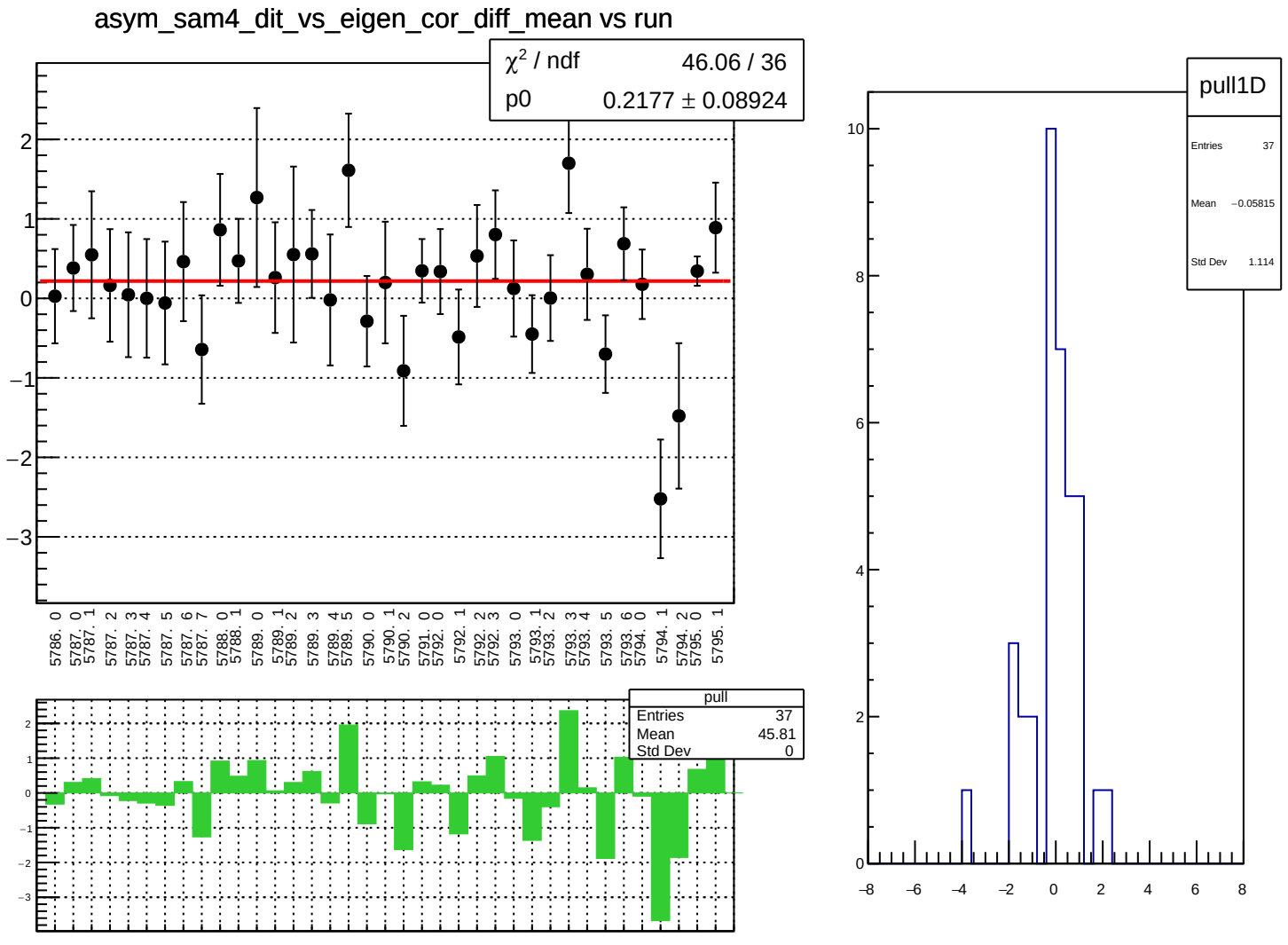

asym_sam4_rms vs run
χ² / ndf 1040 / 36
p0 1904 ± 2.196
2200
2150
2100
2050
2000
1950
1900
1850
1800
1750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

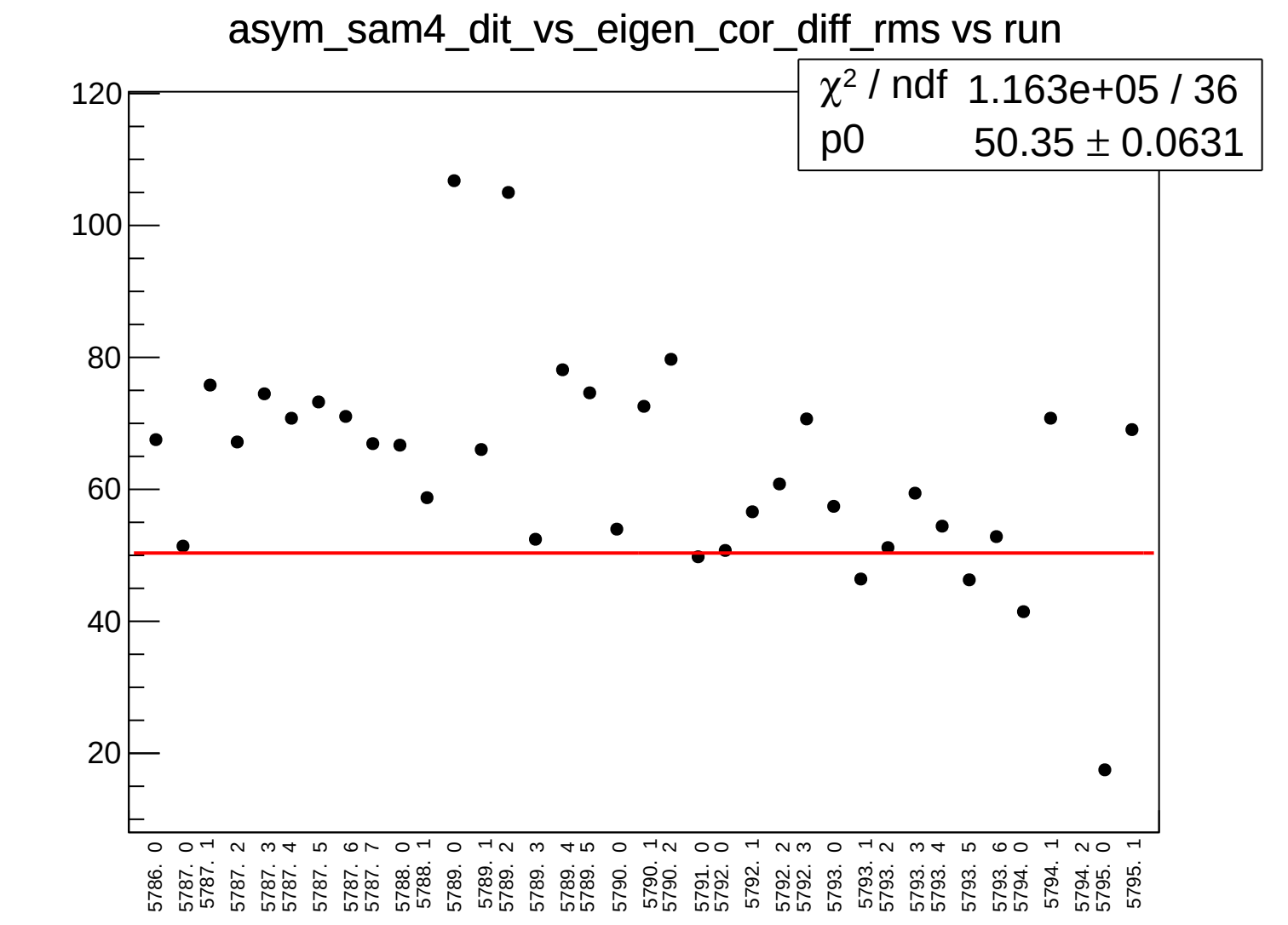

asym_sam4_reg_vs_cor_diff_mean vs run
χ² / ndf 46.67 / 36
p0 −3.544e−14 ± 2.454e−13
0.003
0.0025
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −64.07
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03081
Std Dev 1.123
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

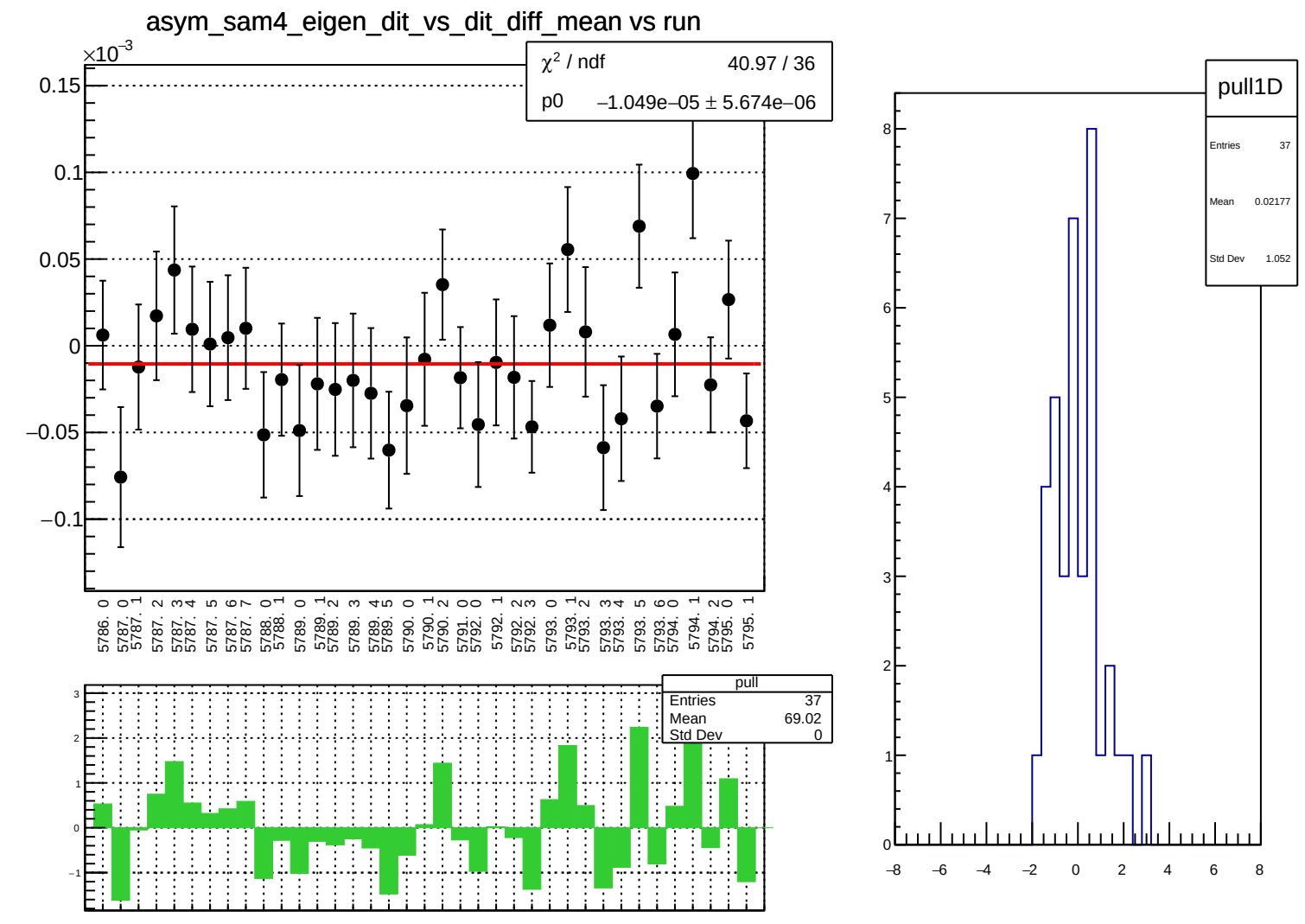

asym_sam4_reg_vs_cor_diff_rms vs run
χ² / ndf 2.997e+05 / 36
p0 1.168e−10 ± 1.735e−13
0.1
0.08
0.06
0.04
0.02
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

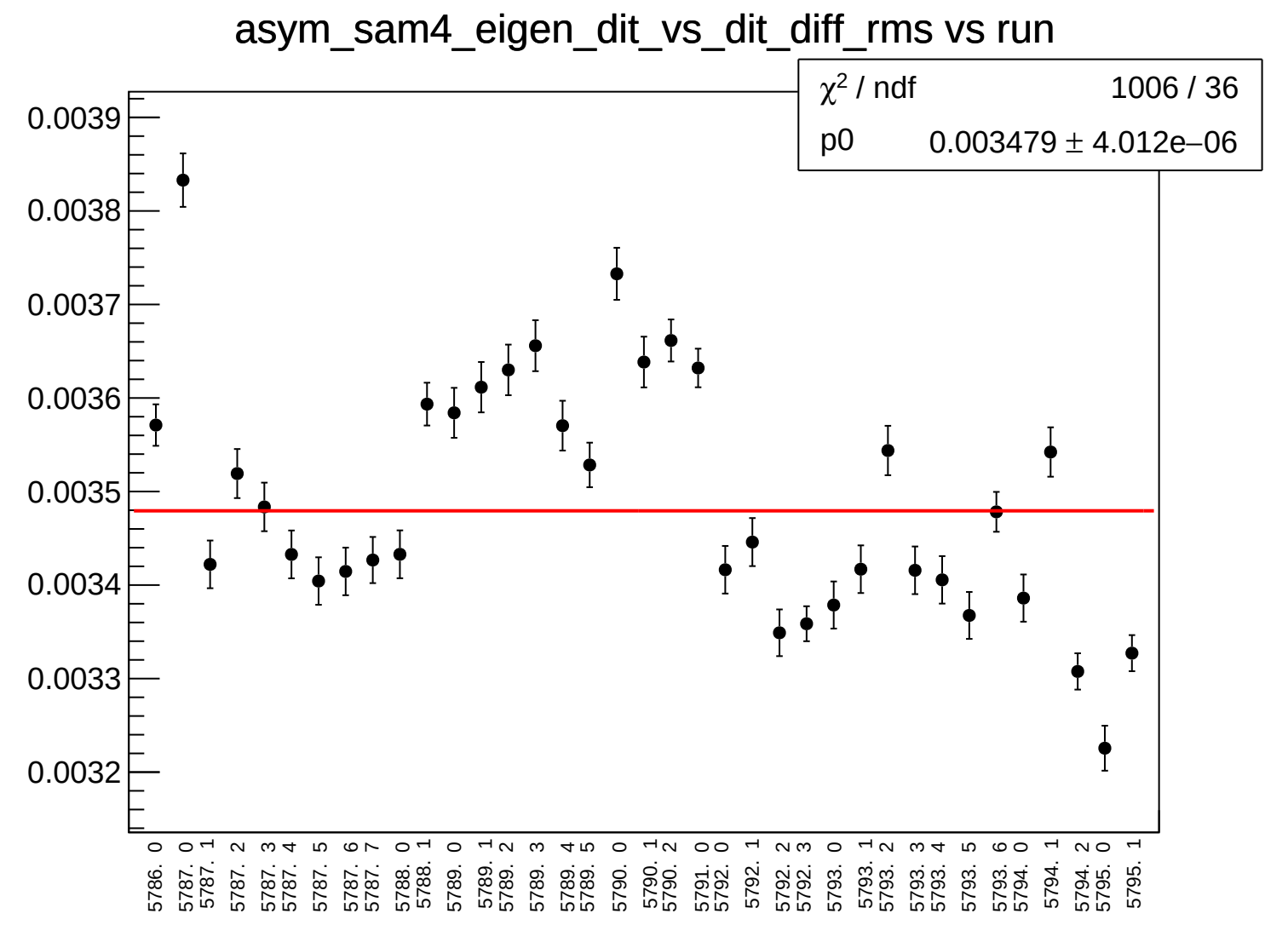

asym_sam4_dit_vs_cor_diff_mean vs run
χ² / ndf 46.06 / 36
p0 0.2177 ± 0.08924
pull
Entries 37
Mean 45.81
Std Dev 0
pull1D
Entries 37
Mean −0.05815
Std Dev 1.114

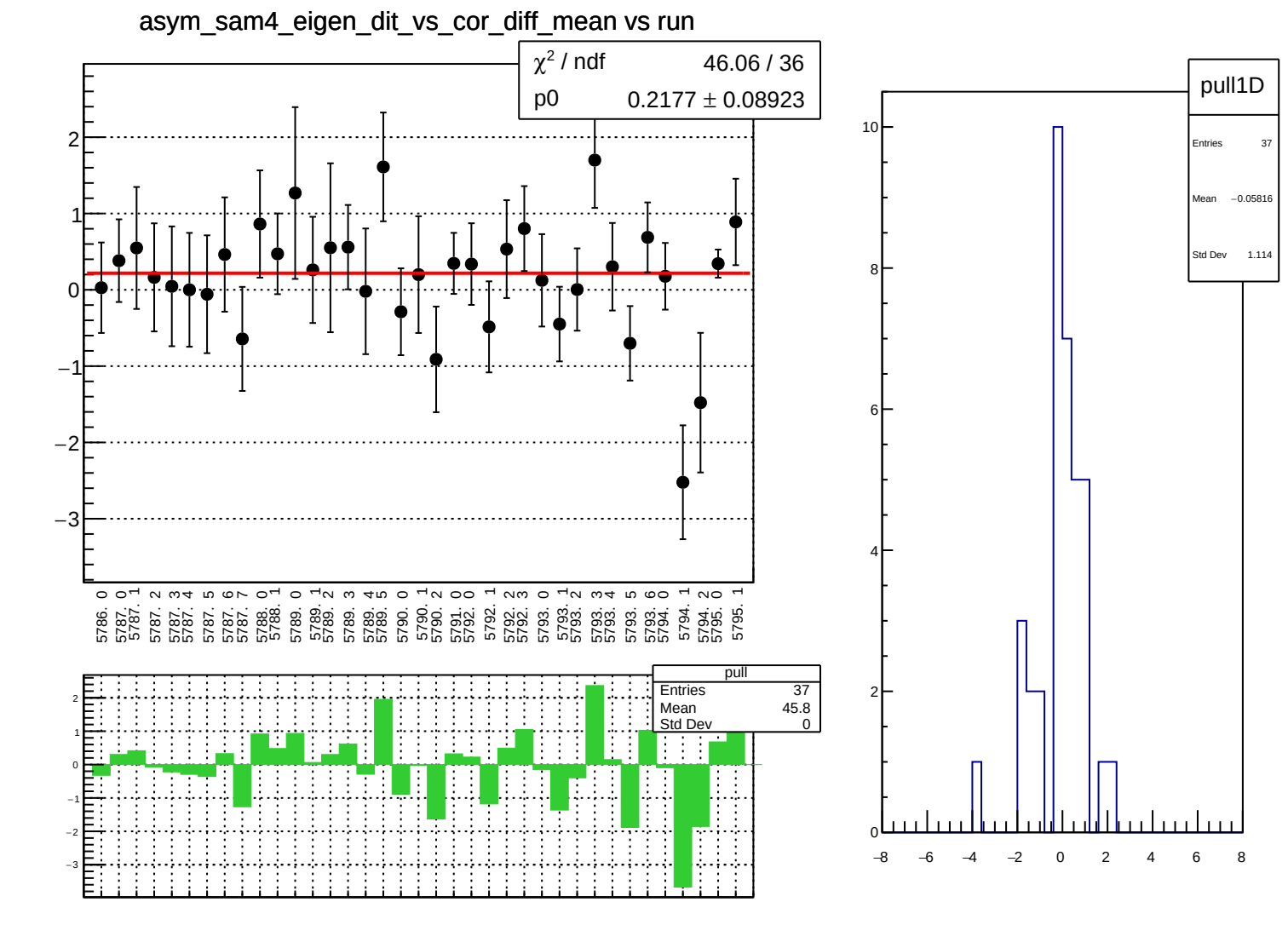

asym_sam4_dit_vs_cor_diff_rms vs run
χ² / ndf 1.163e+05 / 36
p0 50.35 ± 0.0631
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

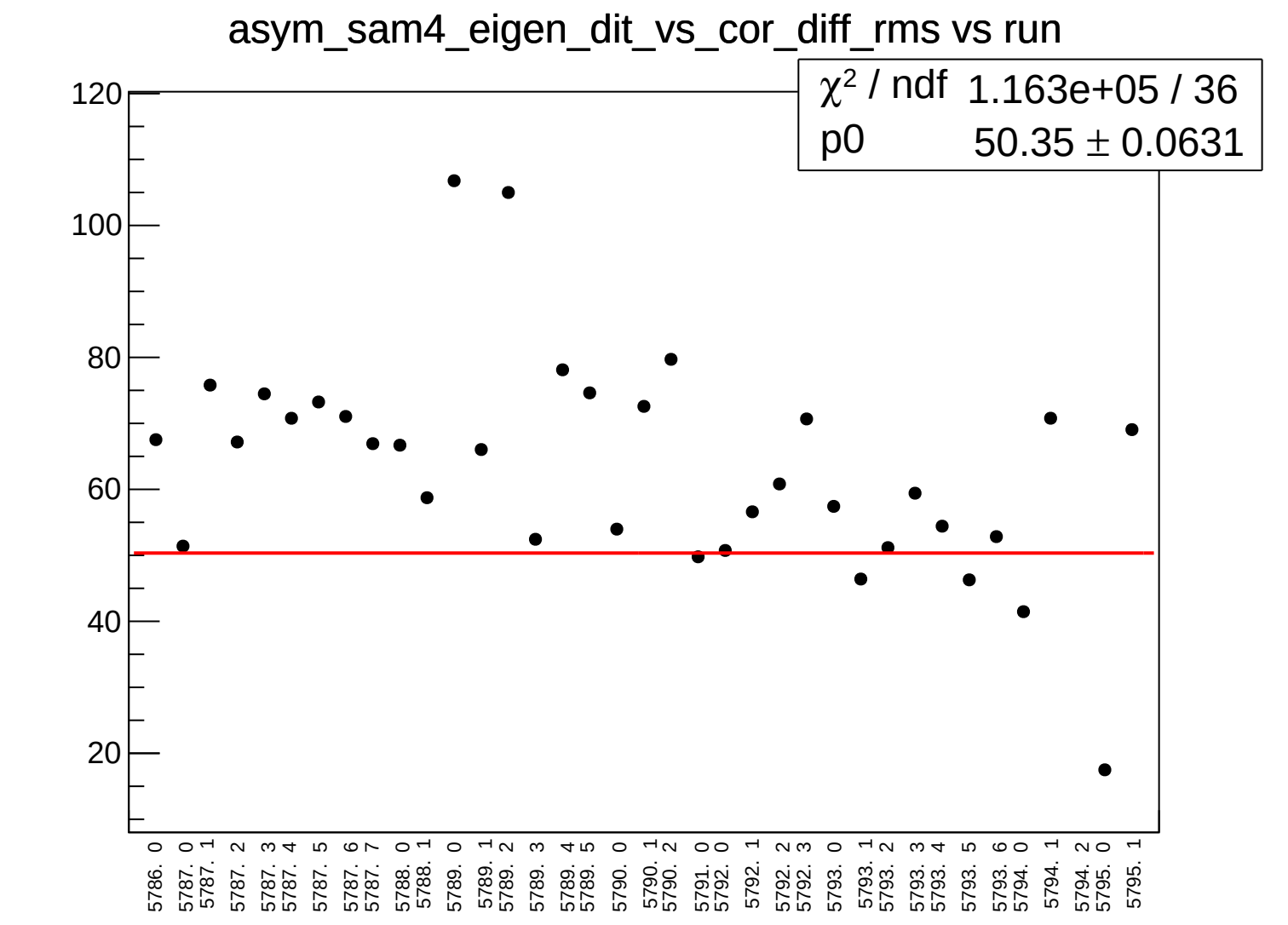

asym_sam4_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.06 / 36
p0 0.2177 ± 0.08924
pull
Entries 37
Mean 45.81
Std Dev 0
pull1D
Entries 37
Mean −0.05815
Std Dev 1.114

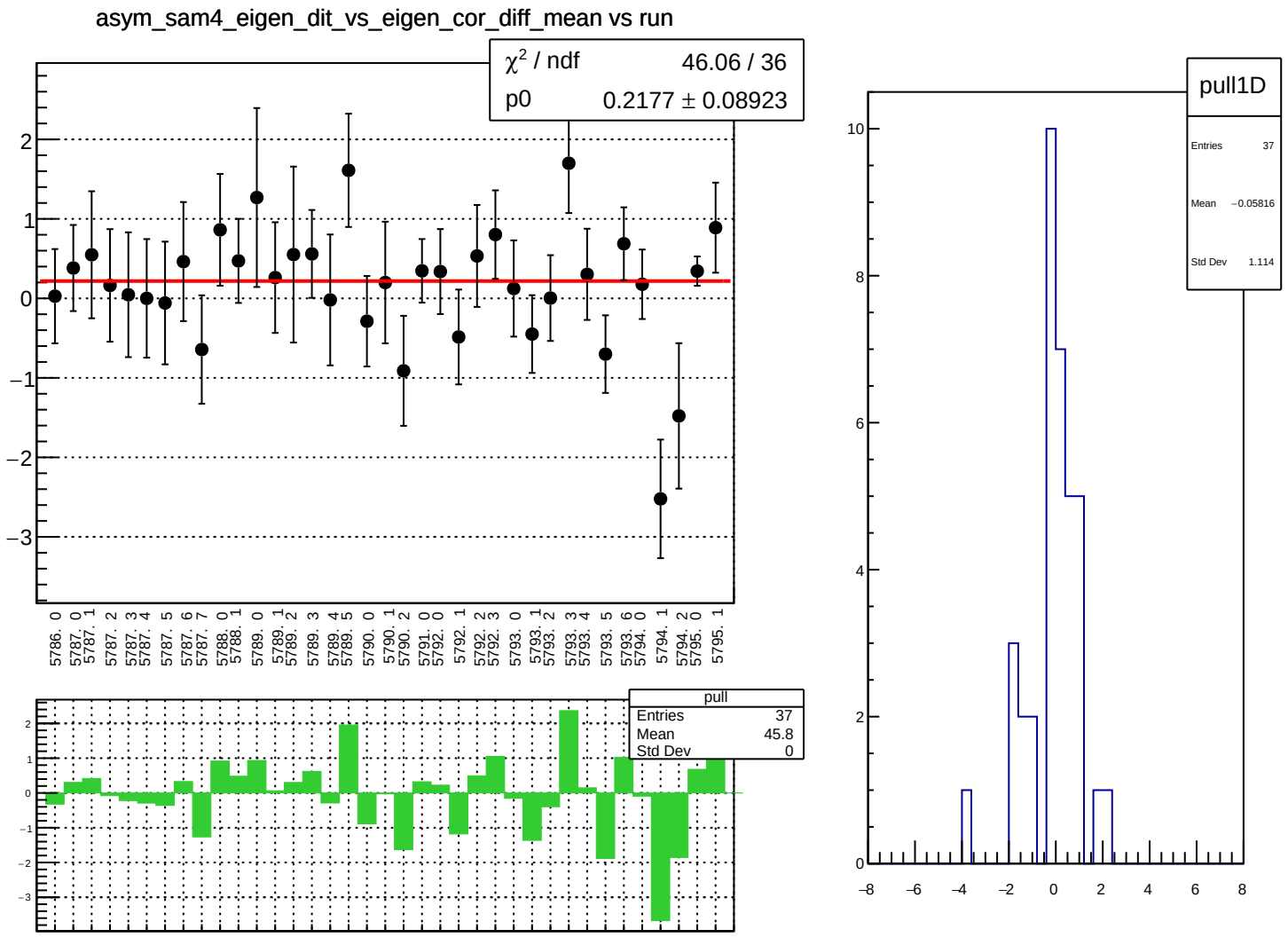

asym_sam4_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.163e+05 / 36
p0 50.35 ± 0.0631
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

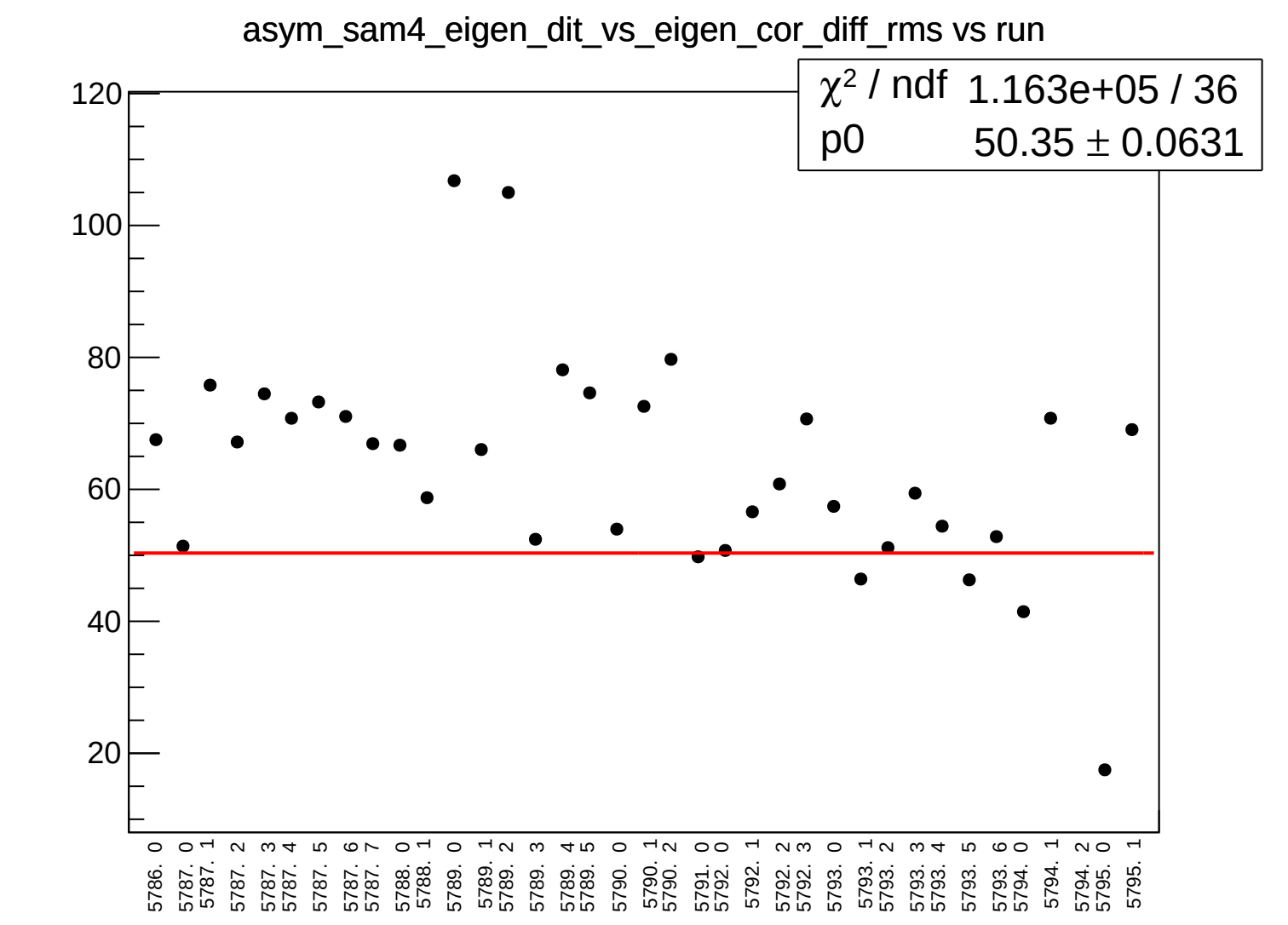

asym_sam4_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.97 / 36
p0 −1.049e−05 ± 5.674e−06
0.15
0.1
0.05
0
−0.05
−0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 69.02
Std Dev 0
3
2
1
0
−1
pull1D
Entries 37
Mean 0.02177
Std Dev 1.052
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

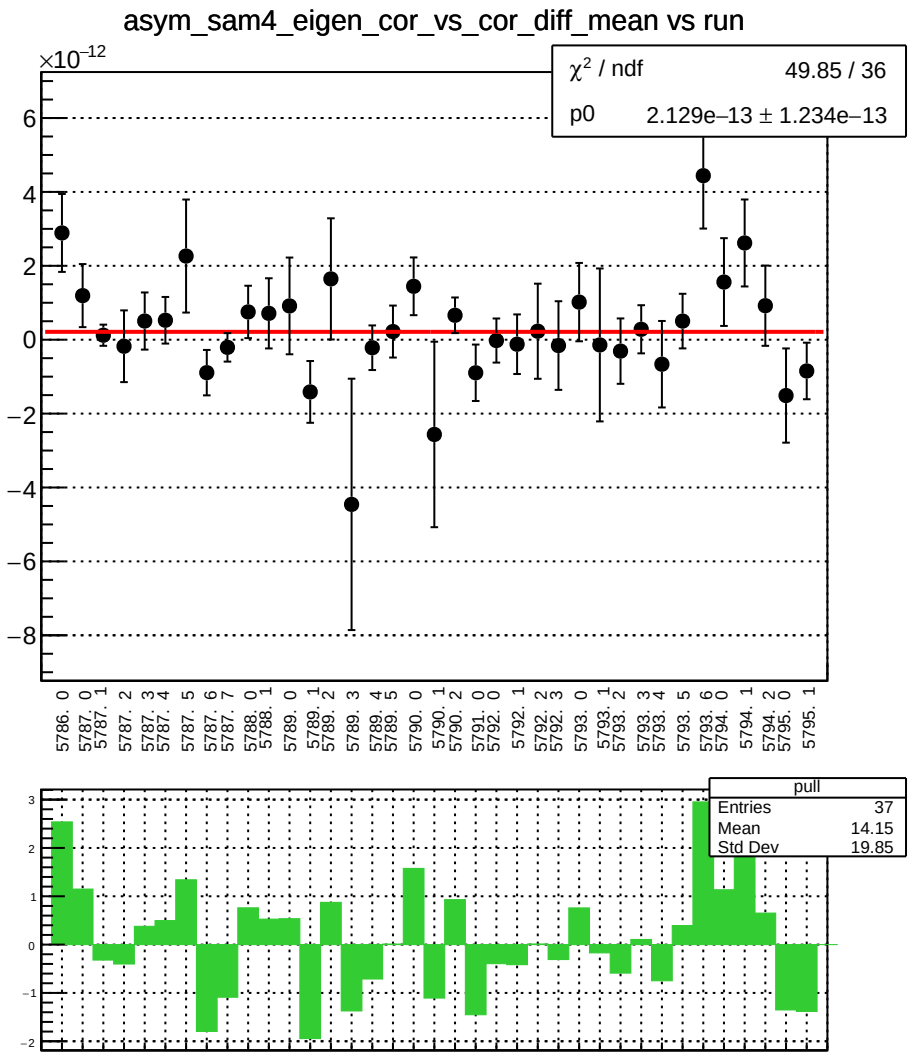

asym_sam4_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1006 / 36
p0 0.003479 ± 4.012e−06
0.0039
0.0038
0.0037
0.0036
0.0035
0.0034
0.0033
0.0032
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

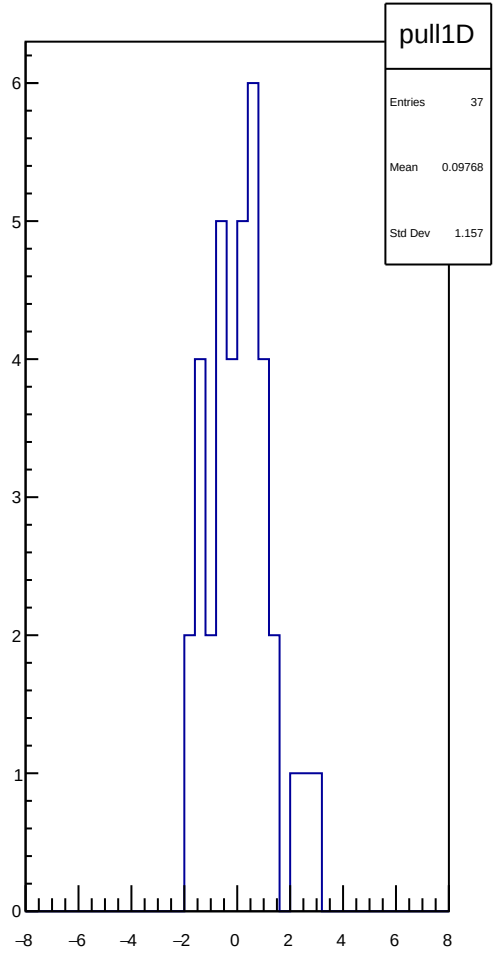

asym_sam4_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.06 / 36
p0 0.2177 ± 0.08923
pull
Entries 37
Mean 45.8
Std Dev 0
pull1D
Entries 37
Mean −0.05816
Std Dev 1.114


asym_sam4_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.163e+05 / 36
p0 50.35 ± 0.0631
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam4_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.06 / 36
p0 0.2177 ± 0.08923
pull
Entries 37
Mean 45.8
Std Dev 0
pull1D
Entries 37
Mean −0.05816
Std Dev 1.114


asym_sam4_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.163e+05 / 36
p0 50.35 ± 0.0631
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam4_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.85 / 36
p0 2.129e−13 ± 1.234e−13
6
4
2
0
−2
−4
−6
−8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.15
Std Dev 19.85
3
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.09768
Std Dev 1.157
6
5
4
3
2
1
0
−8
−6
−4
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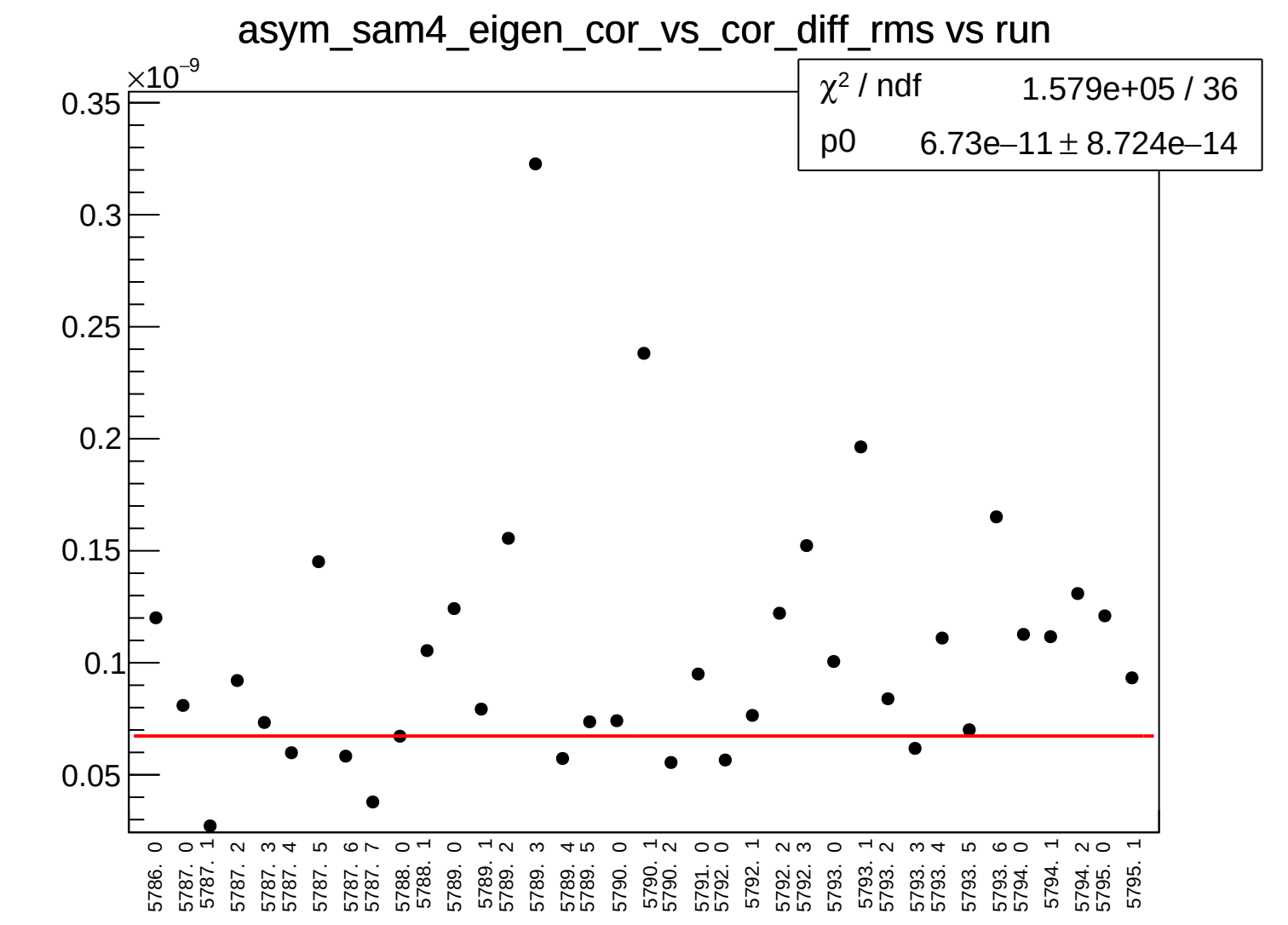
0
2
4
6
8


asym_sam4_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.579e+05 / 36
p0 6.73e−11 ± 8.724e−14
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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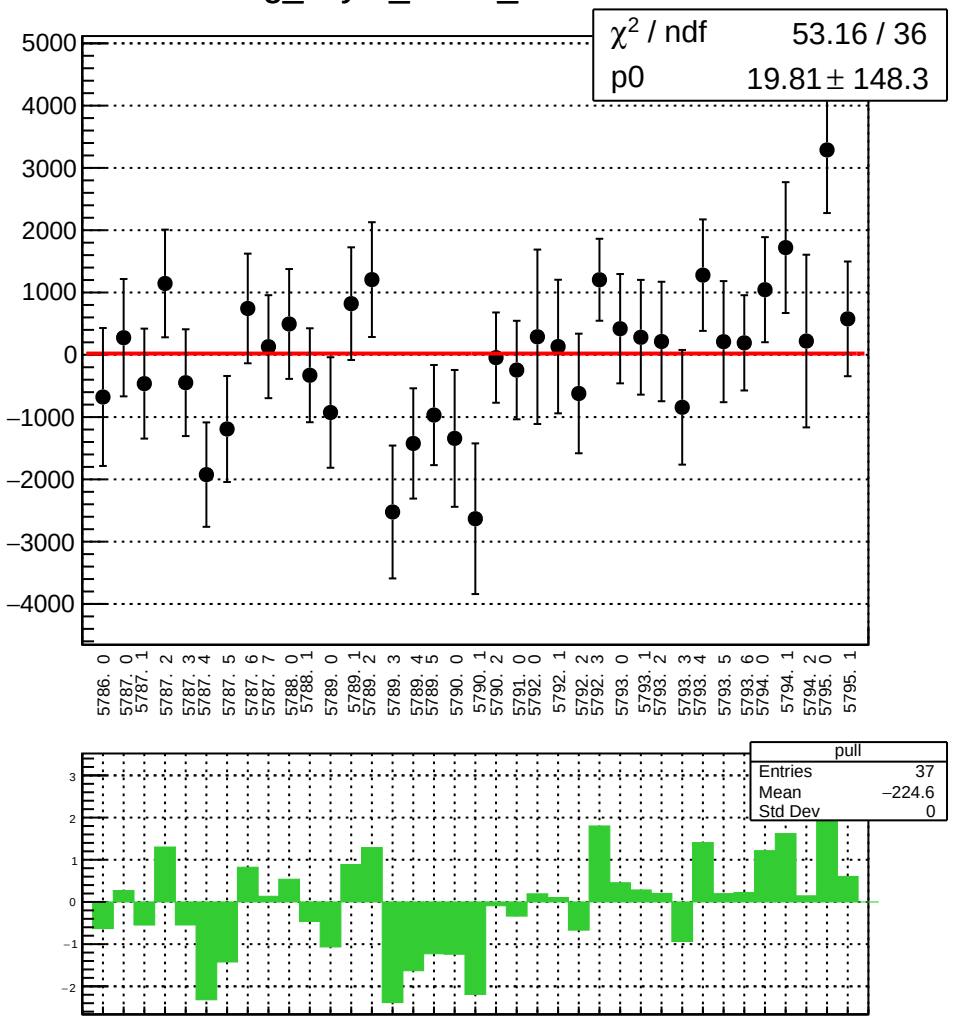
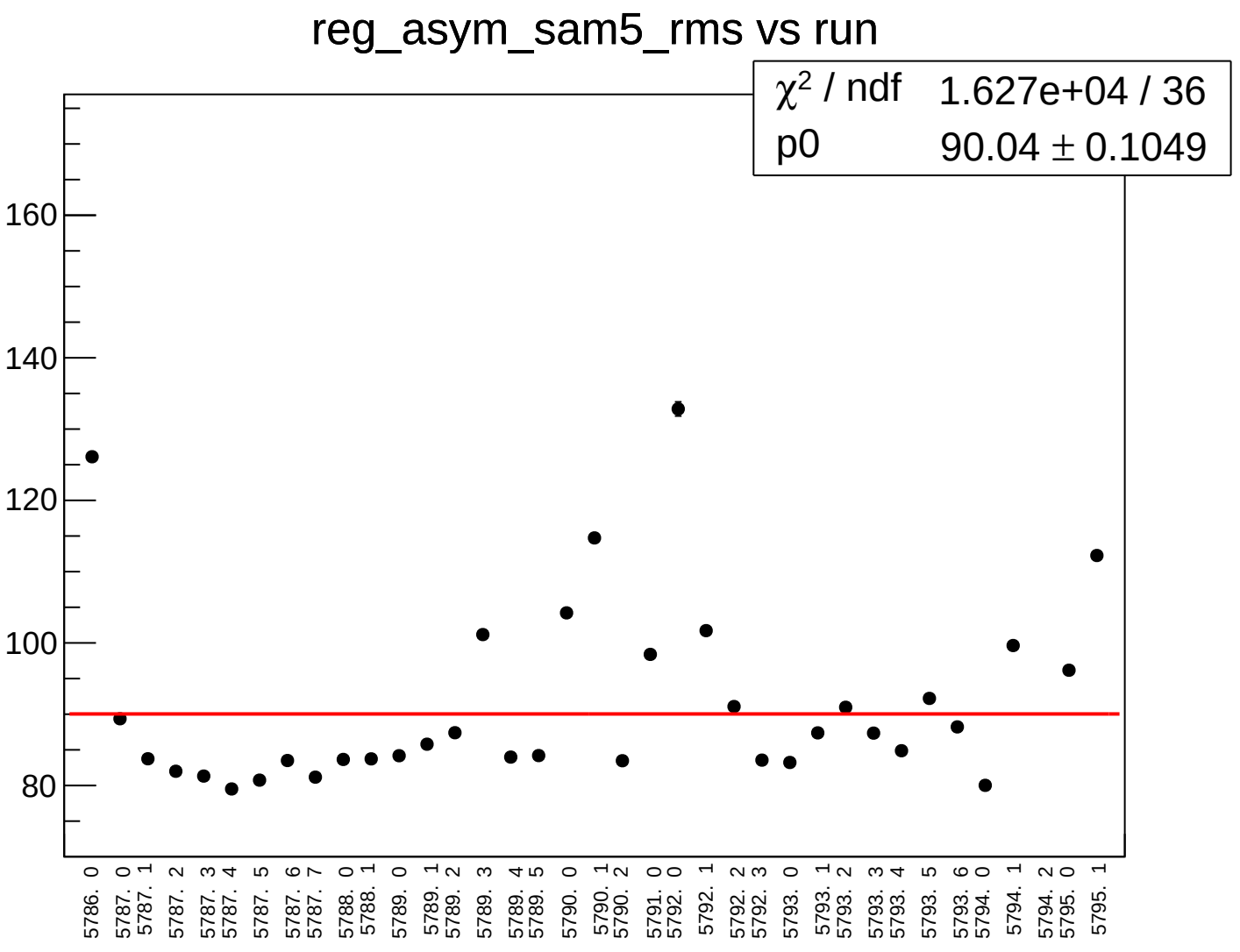
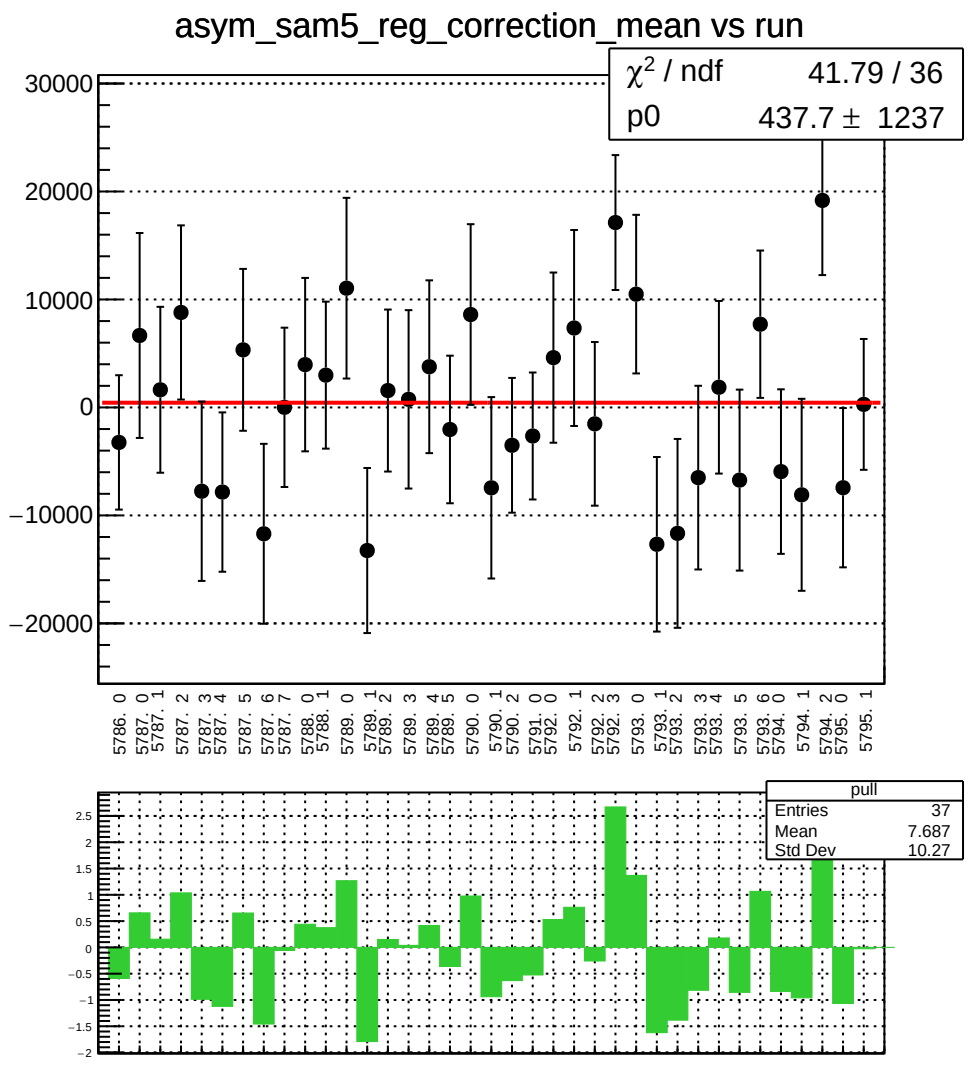
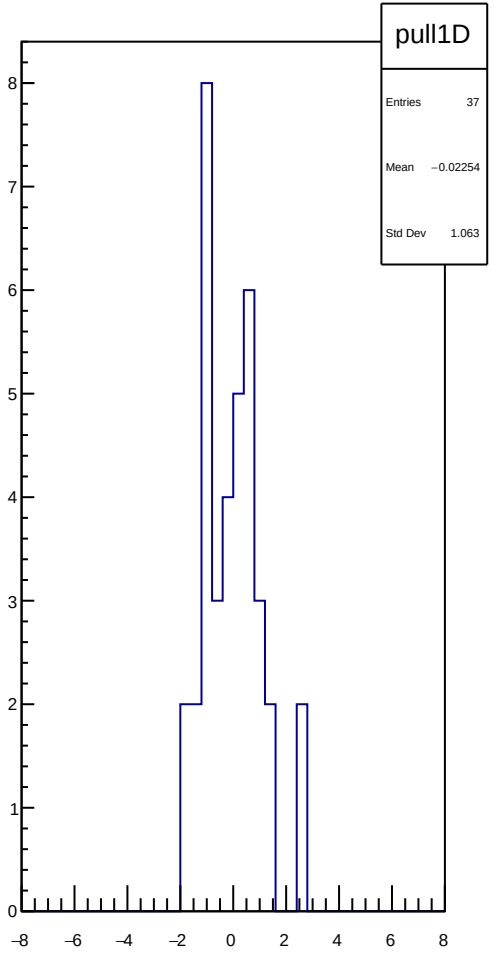
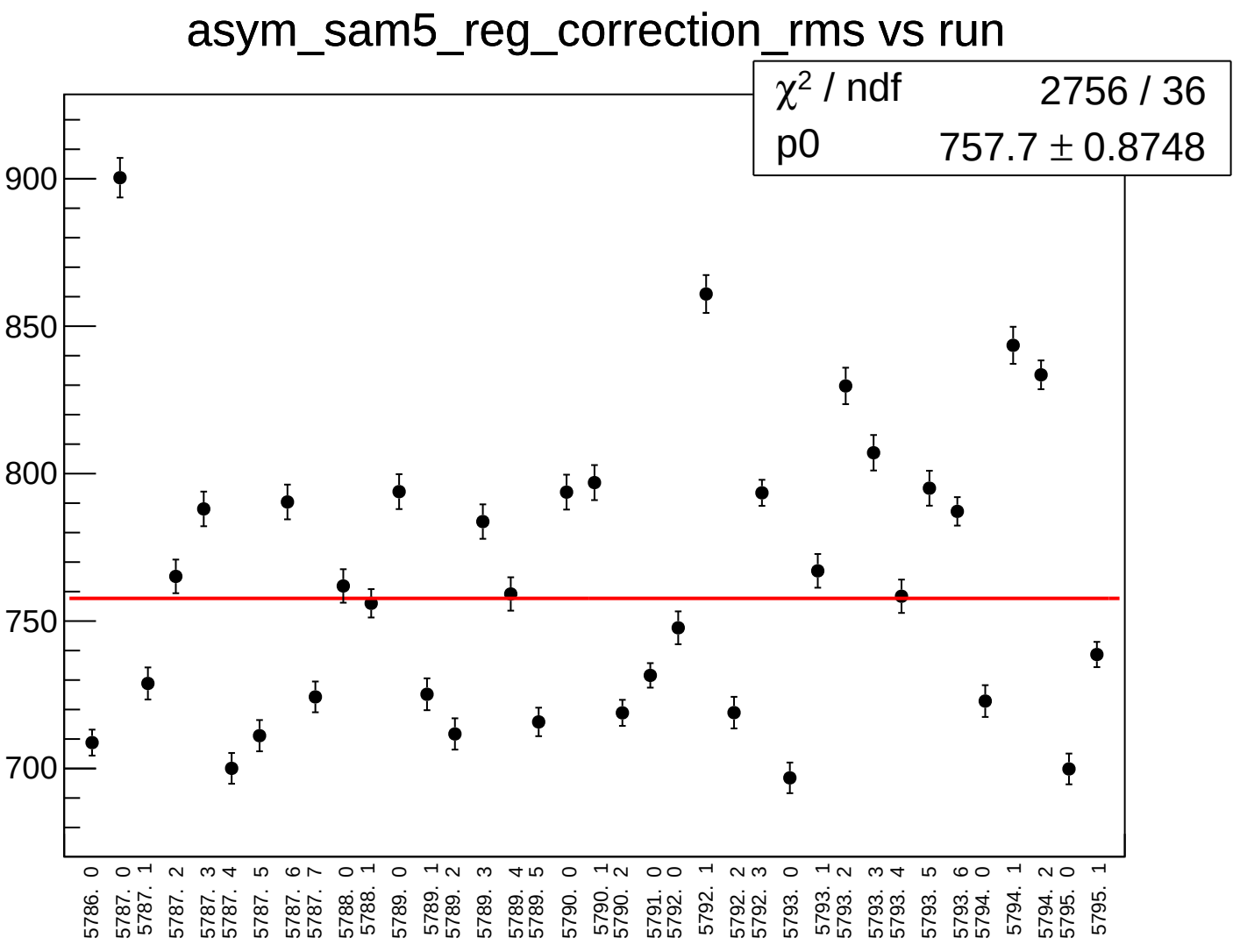
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

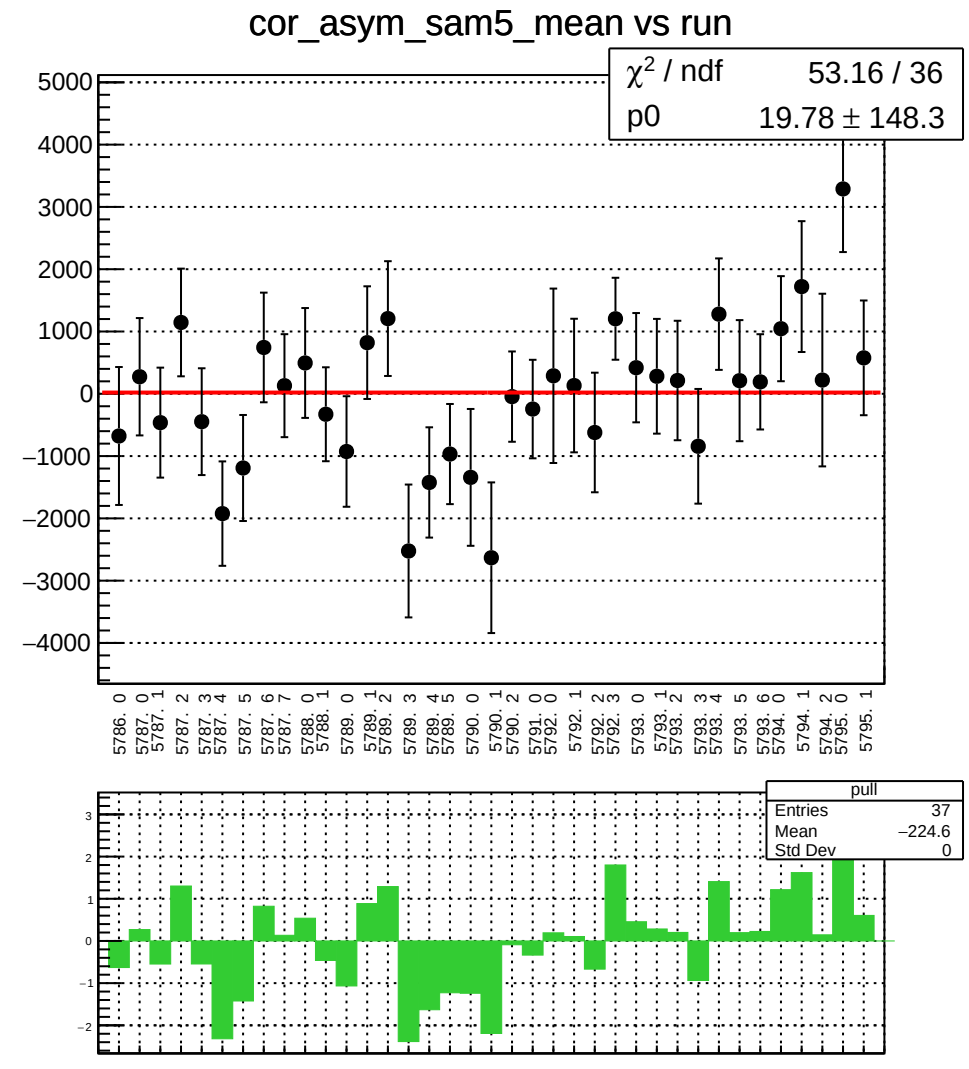

reg_asym_sam5_mean vs run
χ² / ndf 53.16 / 36
p0 19.81 ± 148.3
pull
Entries 37
Mean −224.6
Std Dev 0
pull1D
Entries 37
Mean −0.02099
Std Dev 1.198

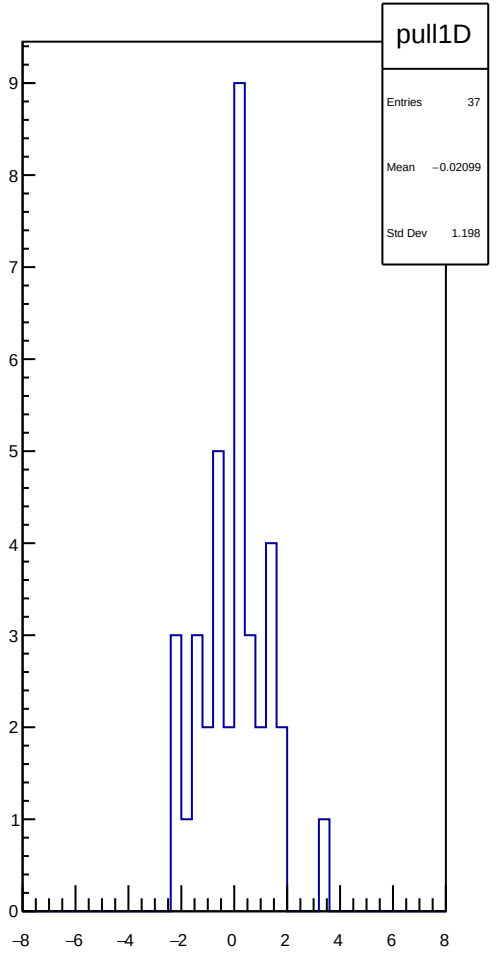

reg_asym_sam5_rms vs run
χ² / ndf 1.627e+04 / 36
p0 90.04 ± 0.1049
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam5_reg_correction_mean vs run
χ² / ndf 41.79 / 36
p0 437.7 ± 1237
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.687
Std Dev 10.27
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.02254
Std Dev 1.063
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 2756 / 36
p0 757.7 ± 0.8748
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam5_mean vs run
χ² / ndf 53.16 / 36
p0 19.78 ± 148.3
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −224.6
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02099
Std Dev 1.198
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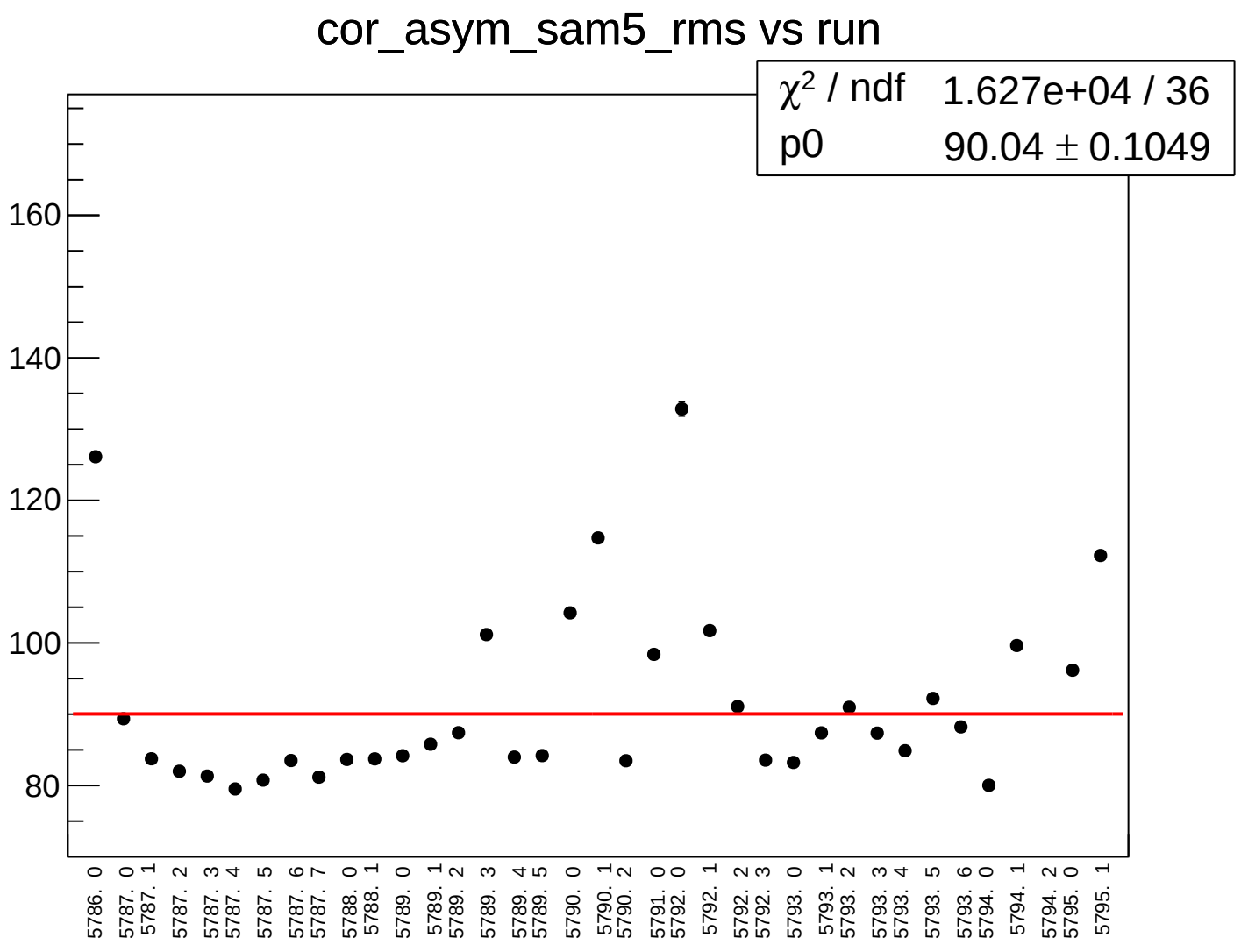
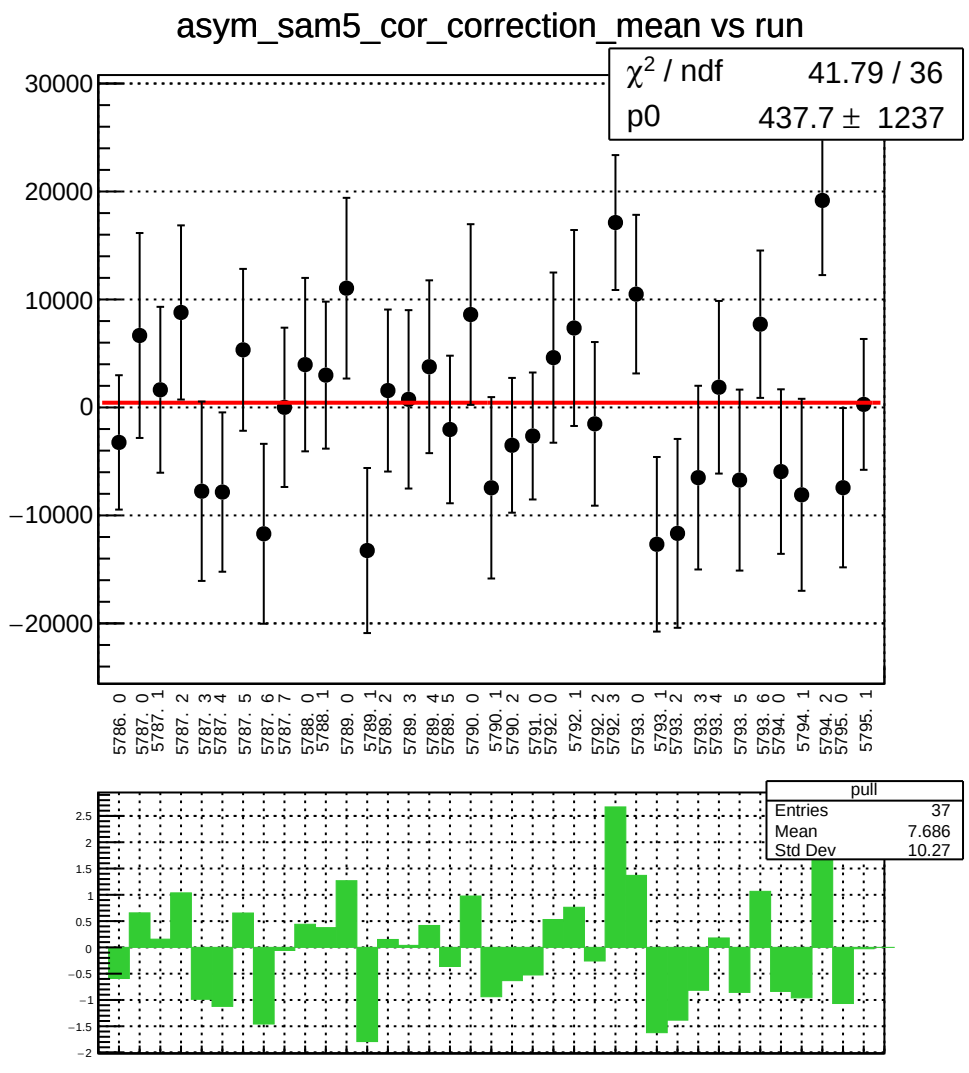
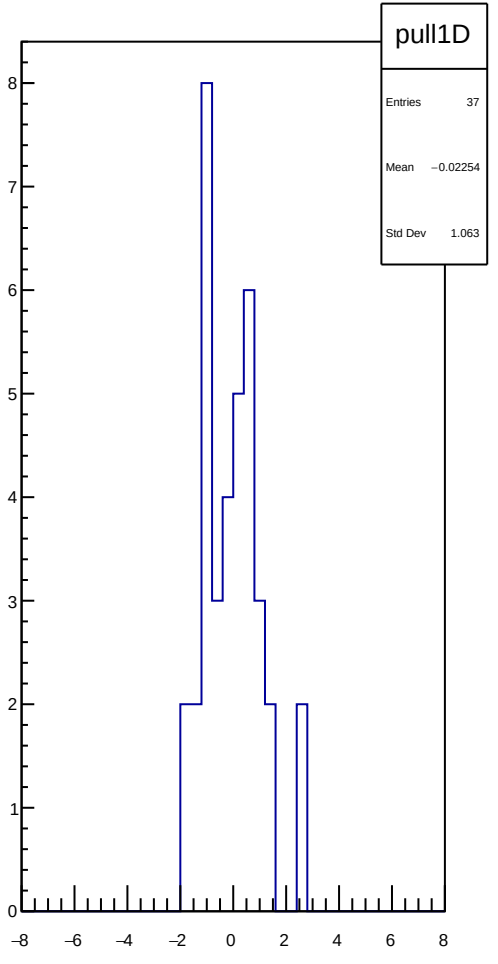
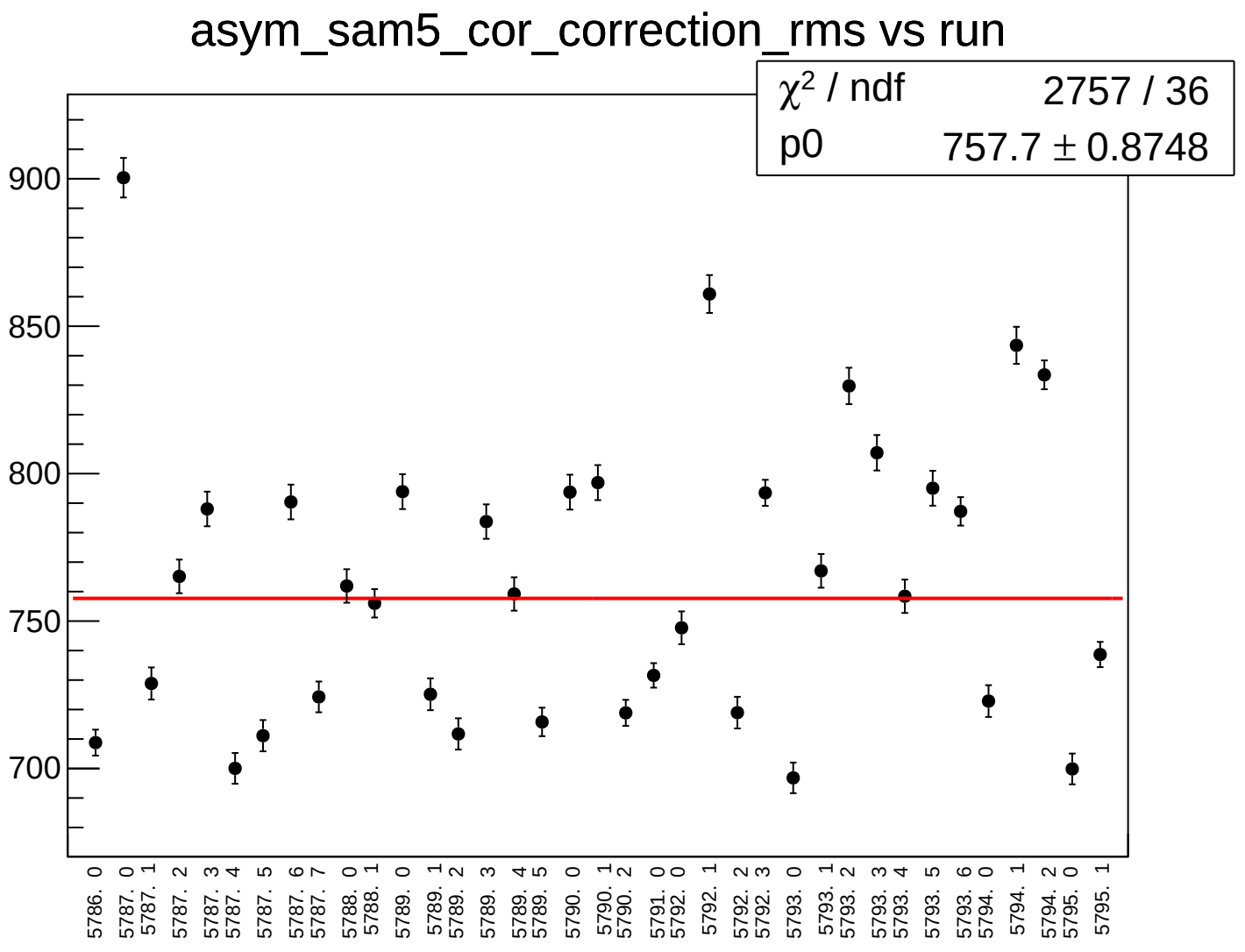
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam5_rms vs run
χ² / ndf 1.627e+04 / 36
p0 90.04 ± 0.1049
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam5_cor_correction_mean vs run
χ² / ndf 41.79 / 36
p0 437.7 ± 1237
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.686
Std Dev 10.27
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.02254
Std Dev 1.063
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 2757 / 36
p0 757.7 ± 0.8748
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 4
5793. 5
5793. 6
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5794. 1
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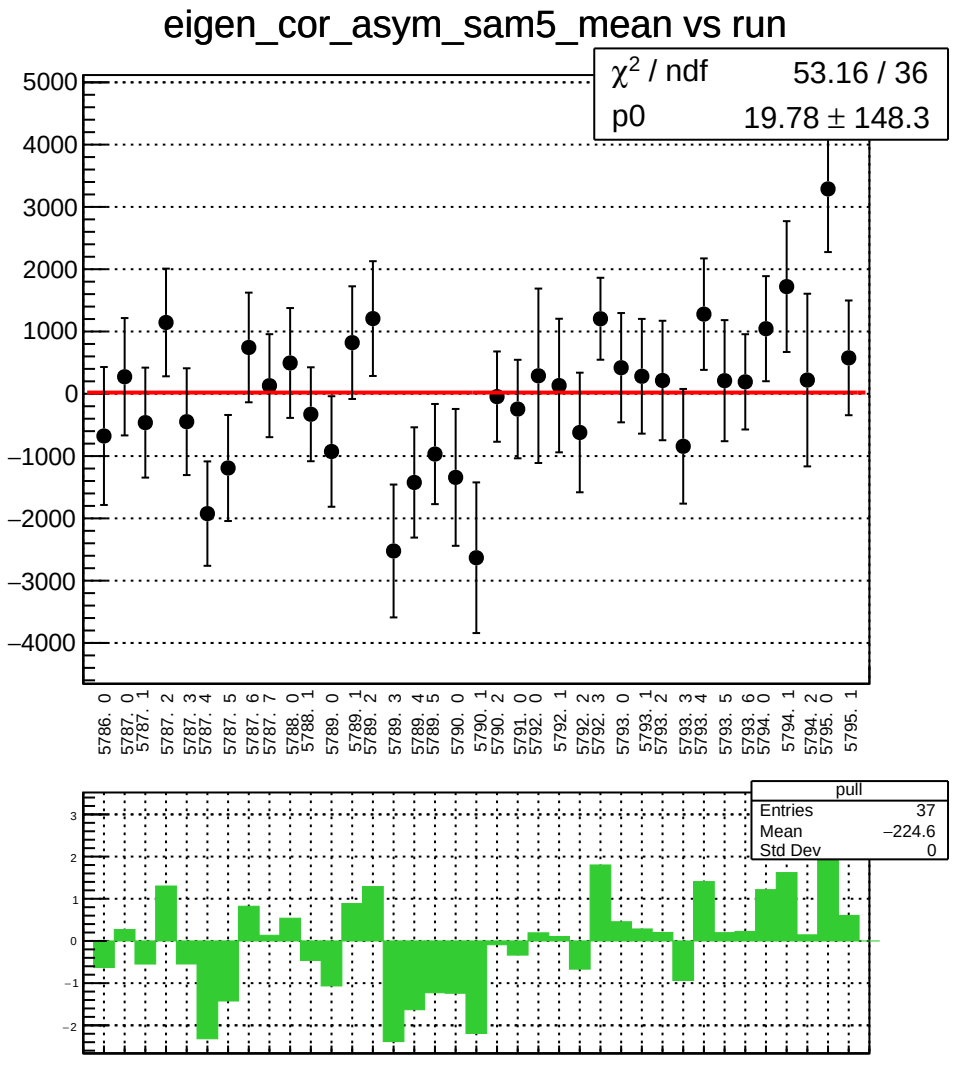
5795. 0
5795. 1


eigen_cor_asym_sam5_mean vs run
χ² / ndf 53.16 / 36
p0 19.78 ± 148.3
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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5794. 2
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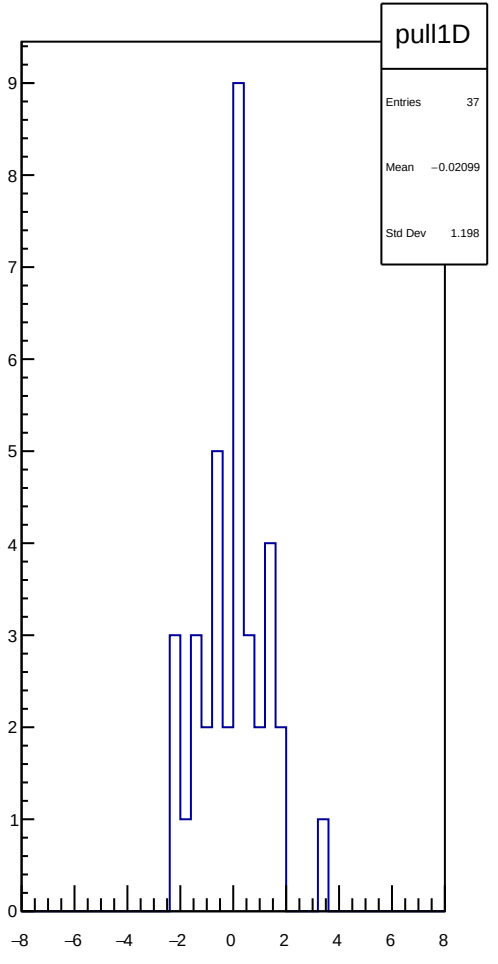
5795. 1
pull
Entries 37
Mean −224.6
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02099
Std Dev 1.198
9
8
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5
4
3
2
1
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−8
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−4
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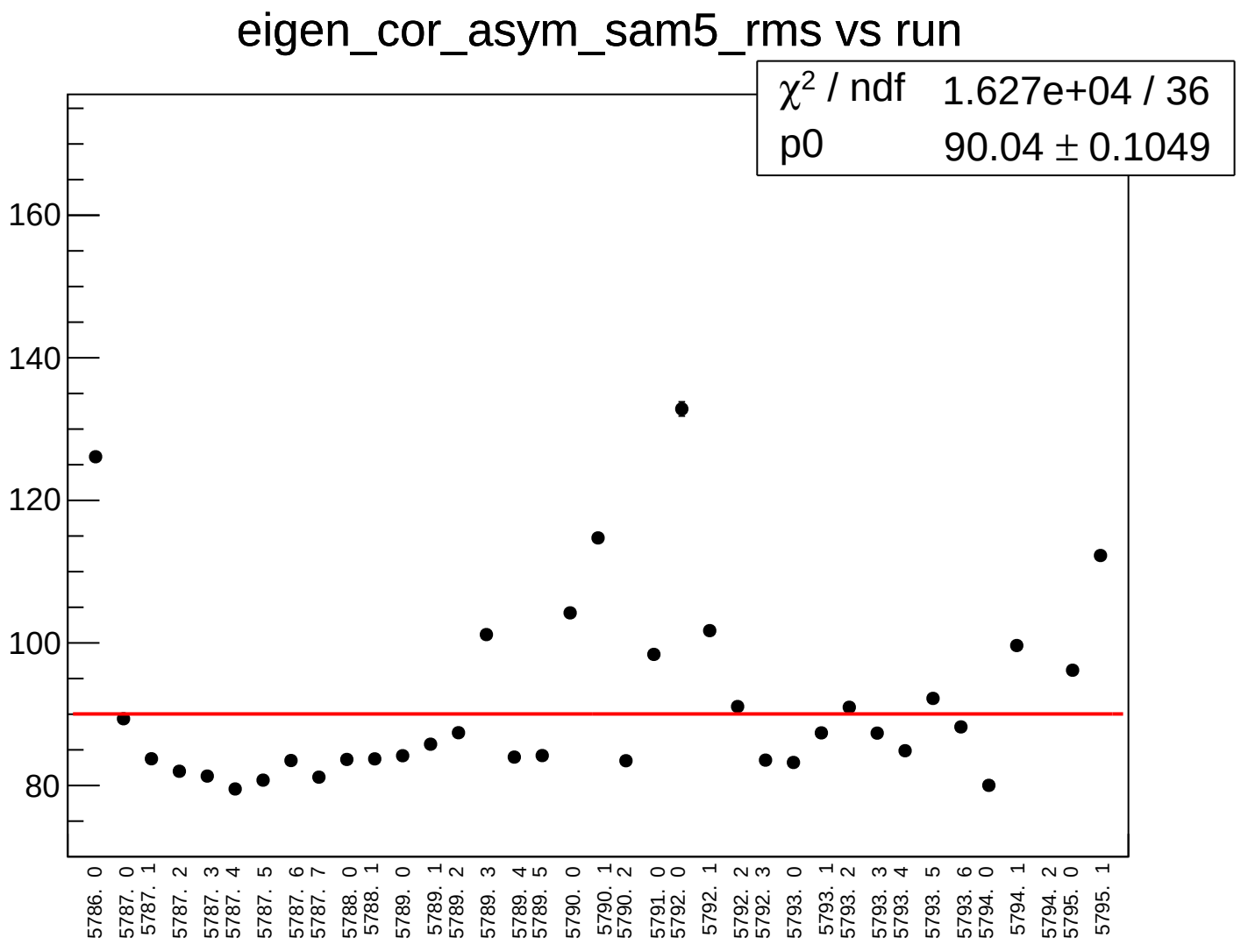
0
2
4
6
8


eigen_cor_asym_sam5_rms vs run
χ² / ndf 1.627e+04 / 36
p0 90.04 ± 0.1049
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
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5794. 0
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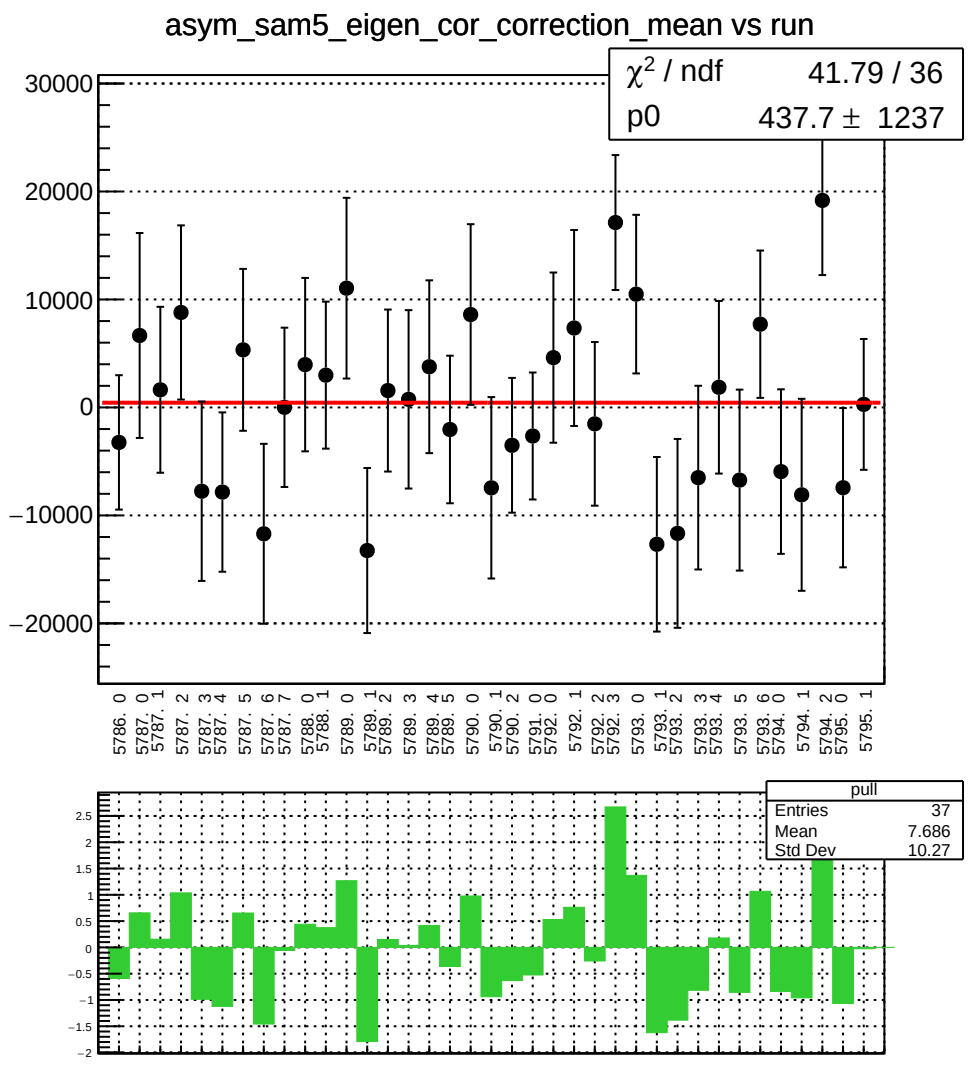
5795. 0
5795. 1


asym_sam5_eigen_cor_correction_mean vs run
χ² / ndf 41.79 / 36
p0 437.7 ± 1237
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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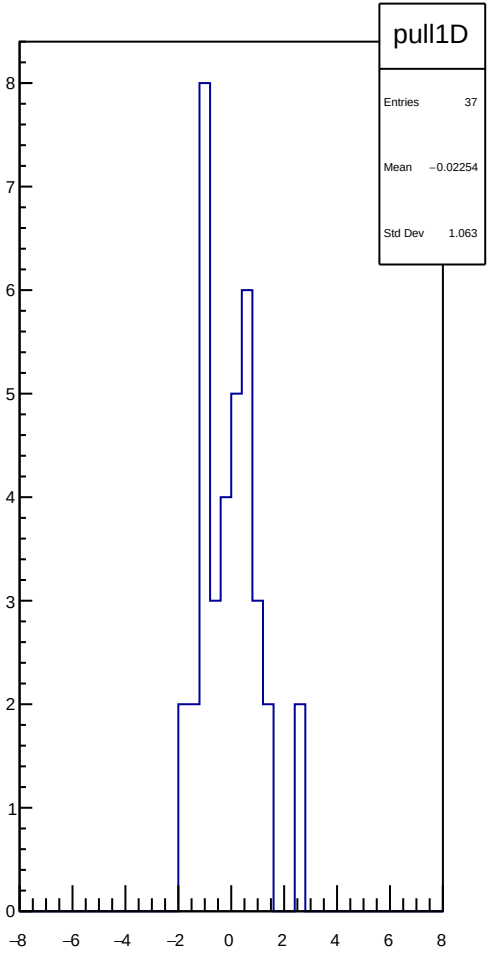
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.686
Std Dev 10.27
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.02254
Std Dev 1.063
8
7
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5
4
3
2
1
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−8
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−4
−2
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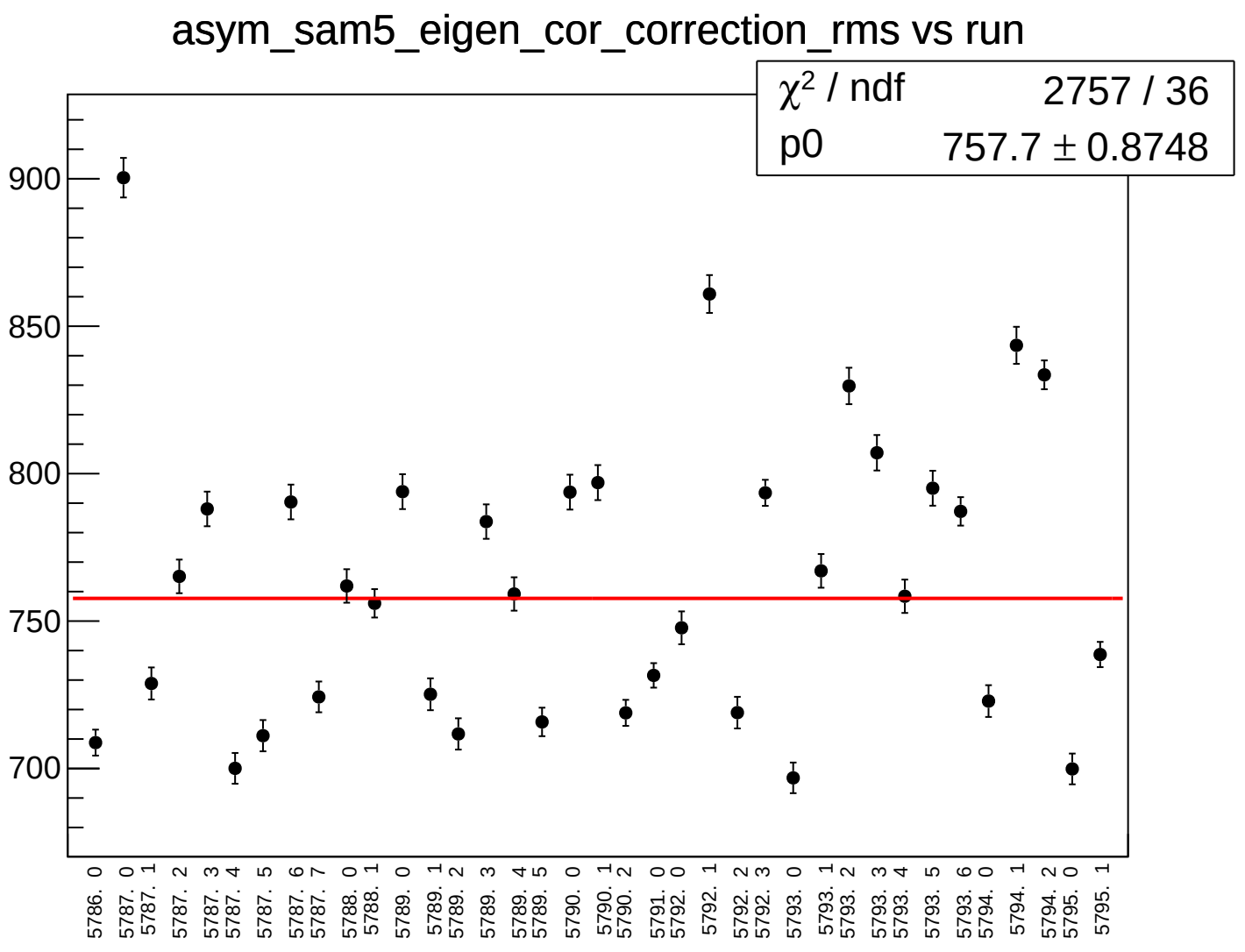
2
4
6
8


asym_sam5_eigen_cor_correction_rms vs run
χ² / ndf 2757 / 36
p0 757.7 ± 0.8748
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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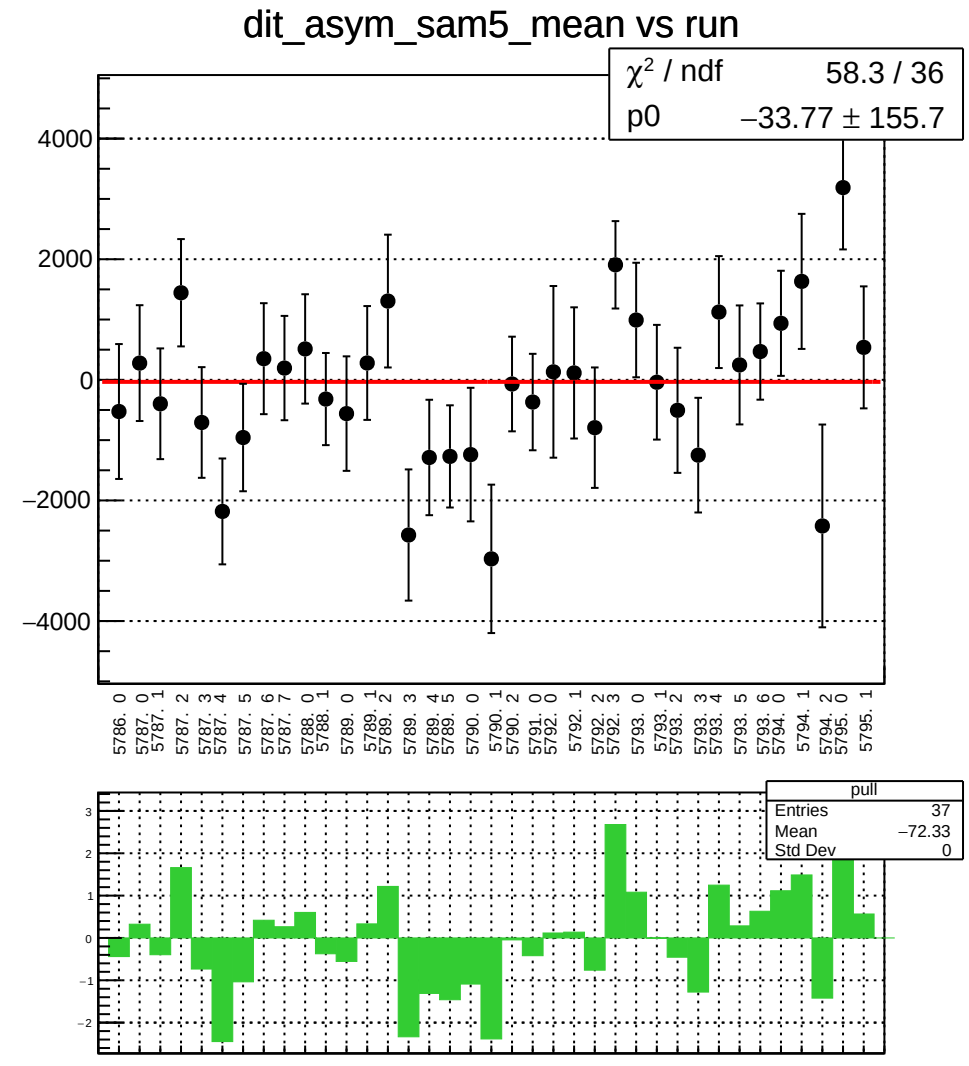
5795. 1


dit_asym_sam5_mean vs run
χ² / ndf 58.3 / 36
p0 −33.77 ± 155.7
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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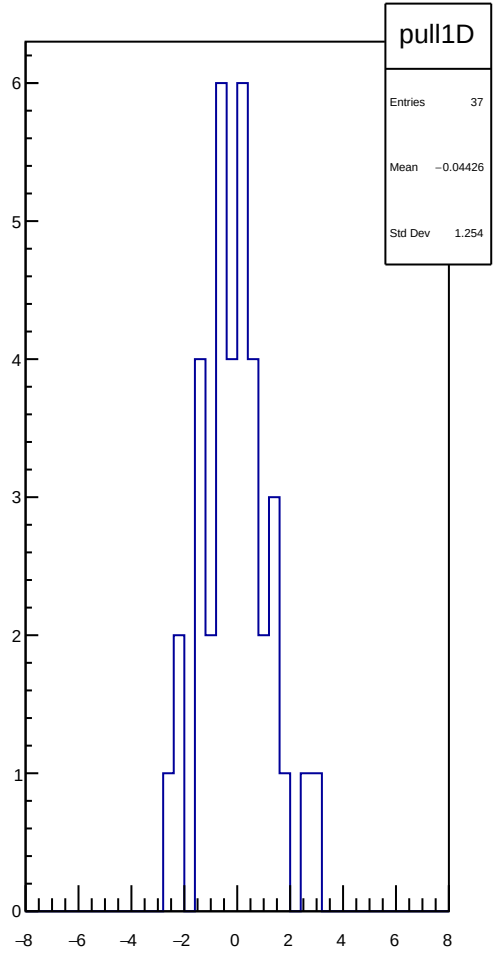
5795. 1
pull
Entries 37
Mean −72.33
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.04426
Std Dev 1.254
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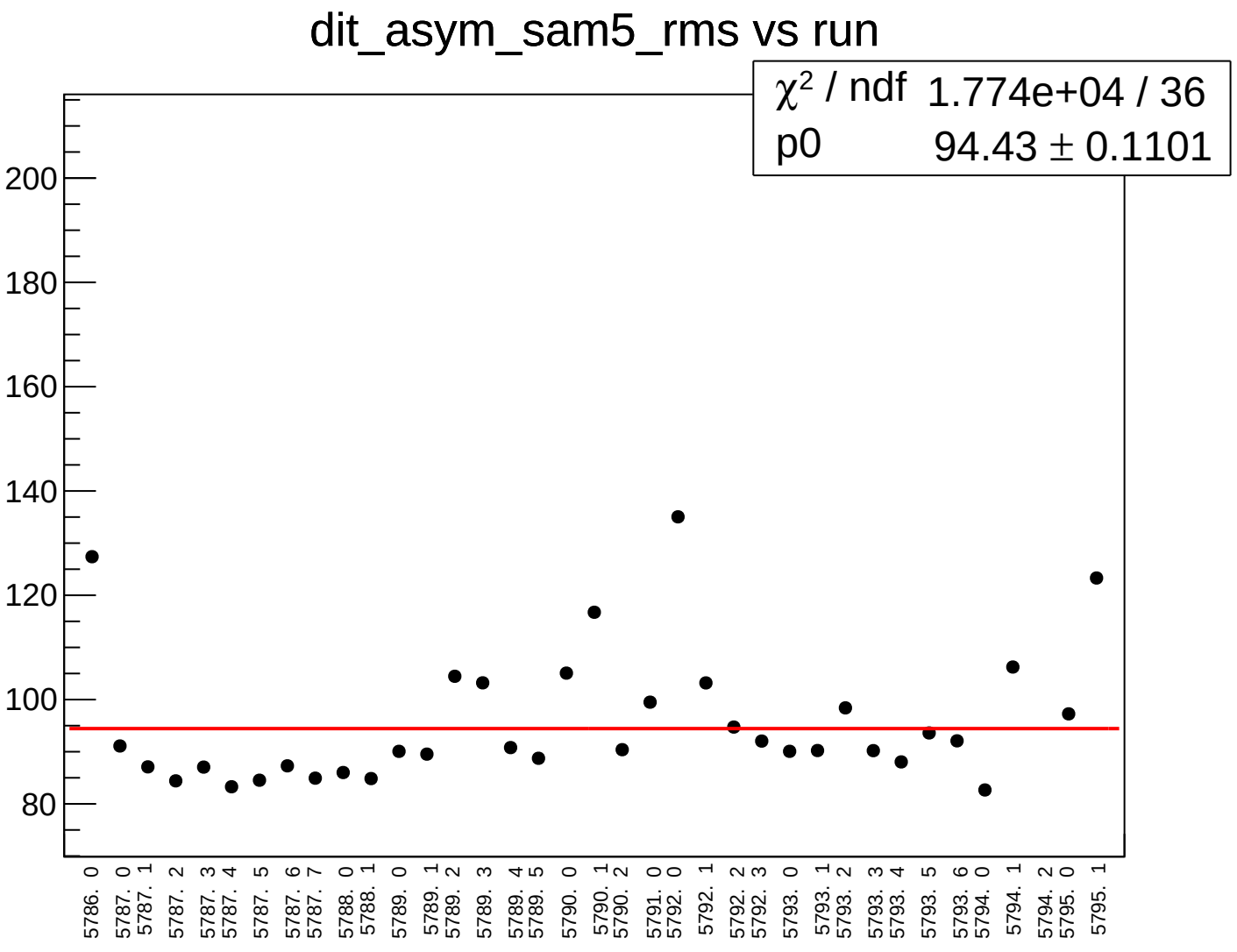
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam5_rms vs run
χ² / ndf 1.774e+04 / 36
p0 94.43 ± 0.1101
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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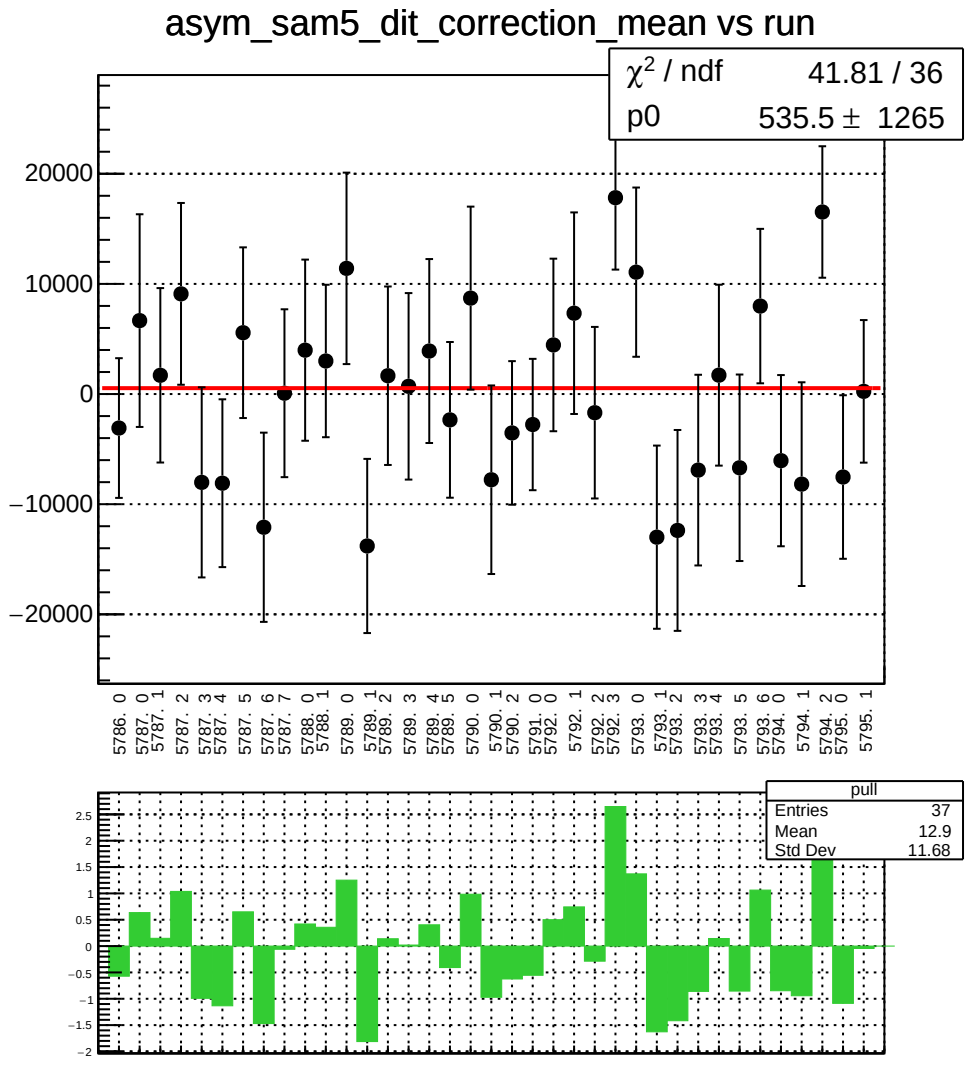
5795. 1


asym_sam5_dit_correction_mean vs run
χ² / ndf 41.81 / 36
p0 535.5 ± 1265
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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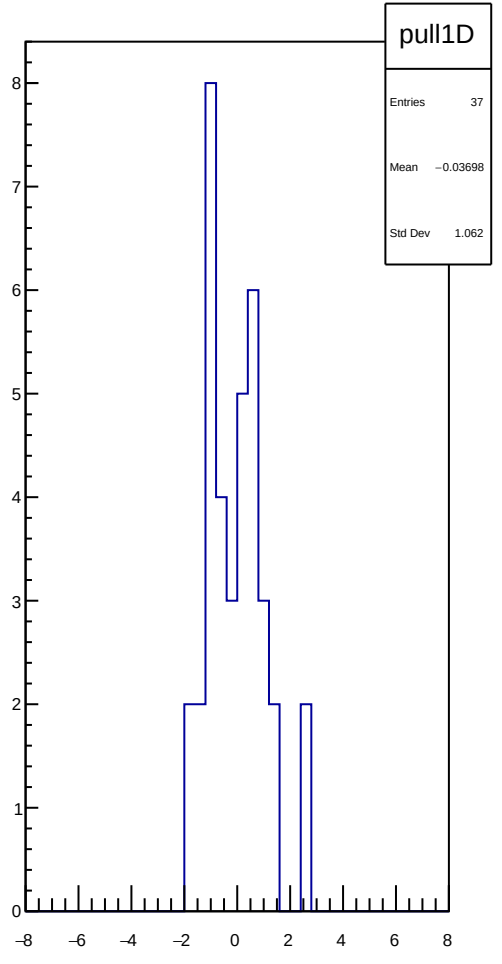
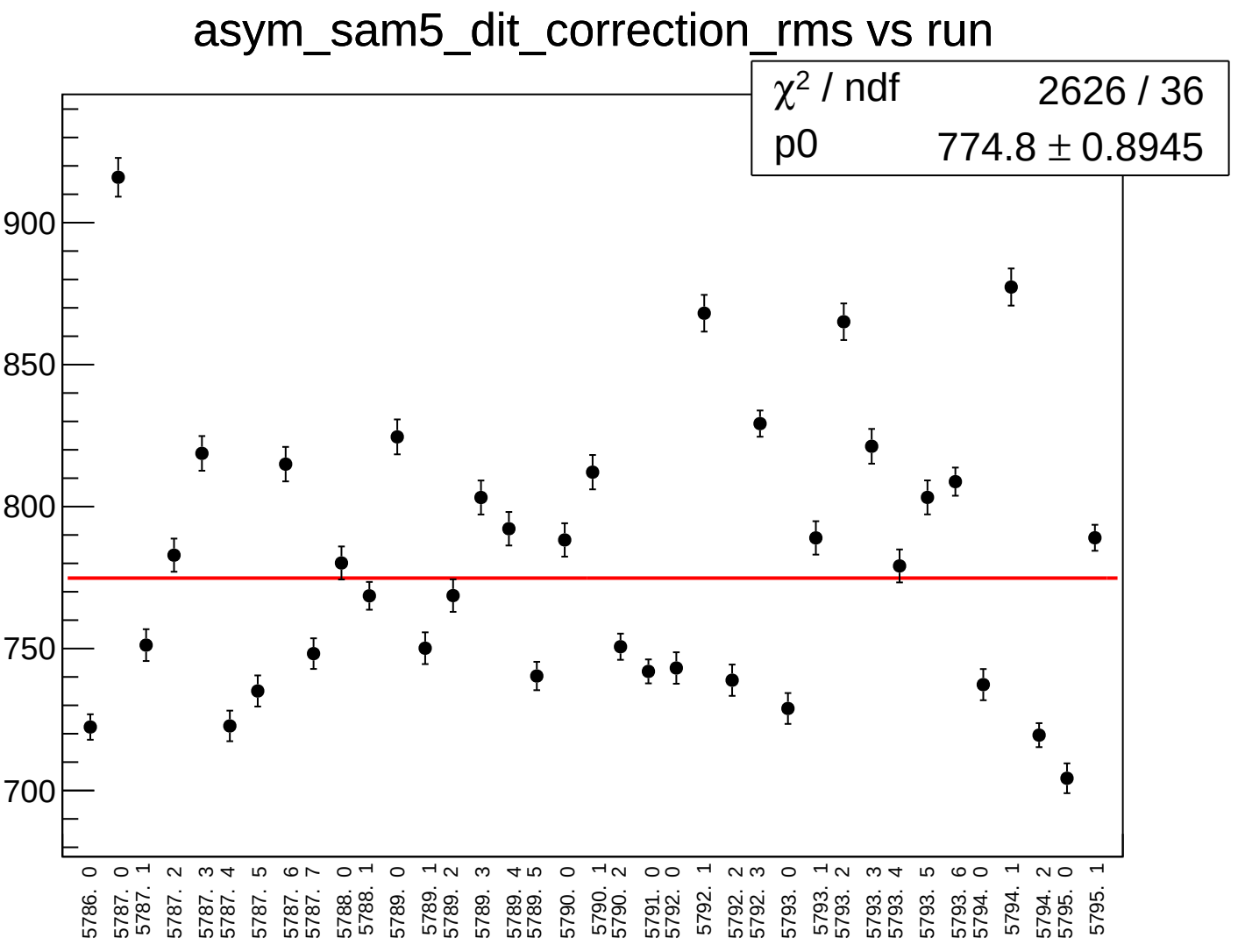
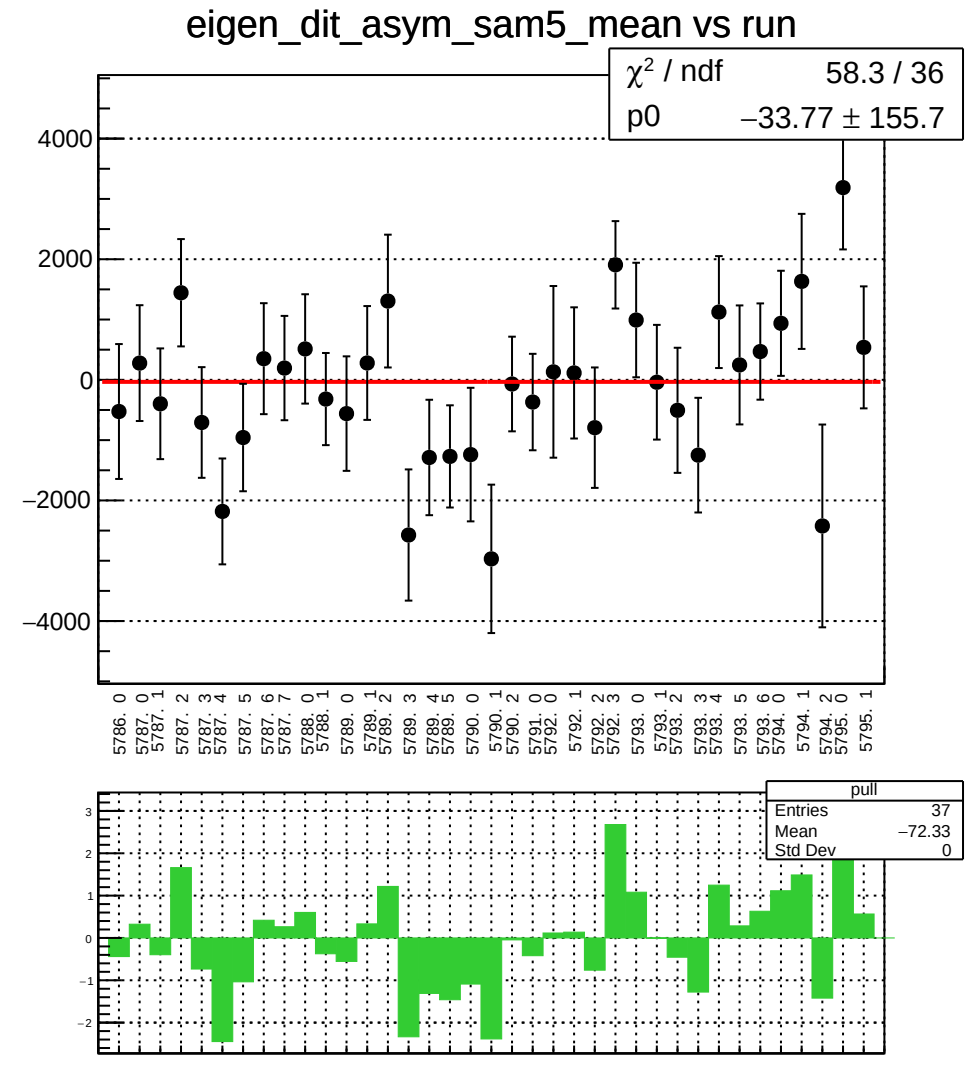
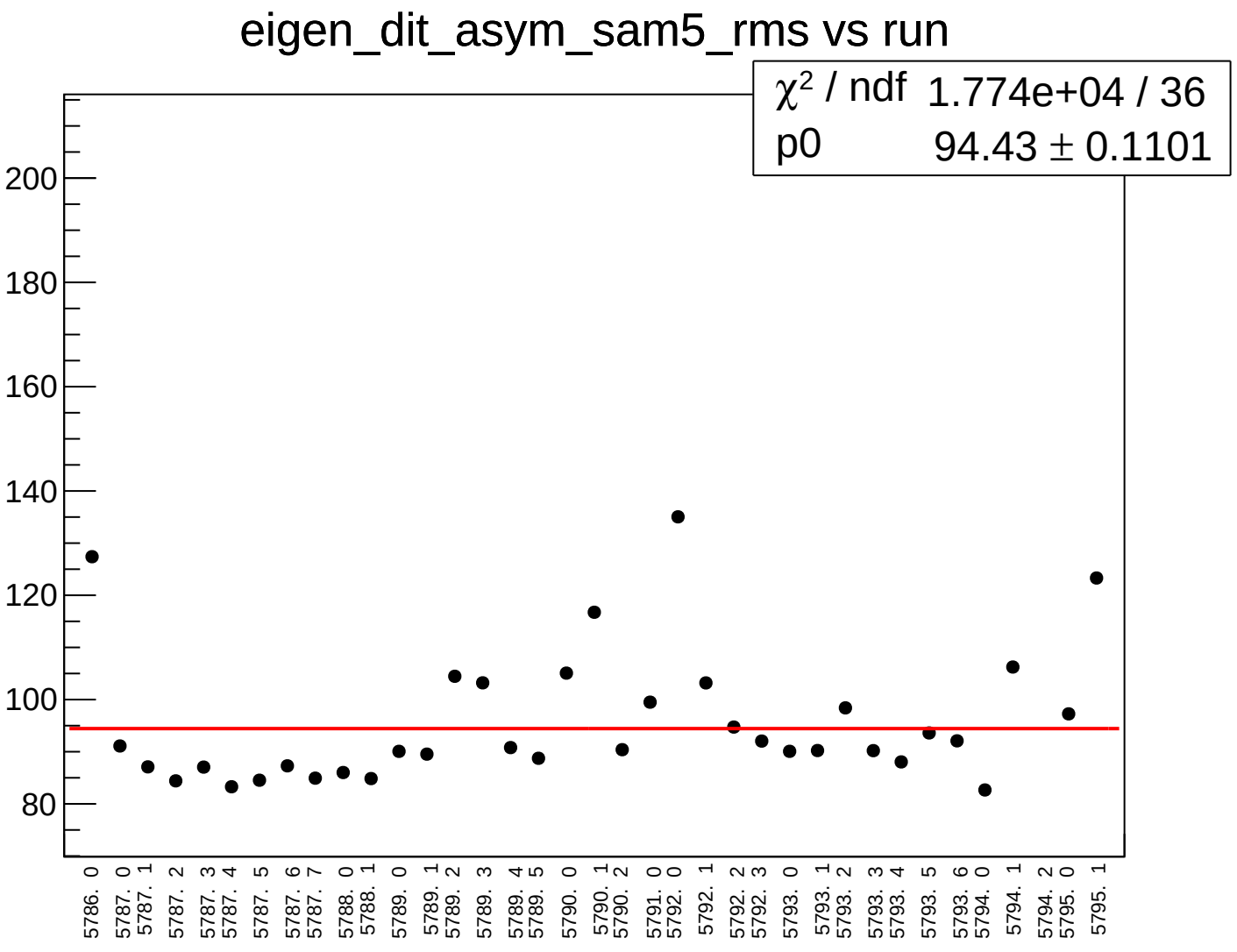
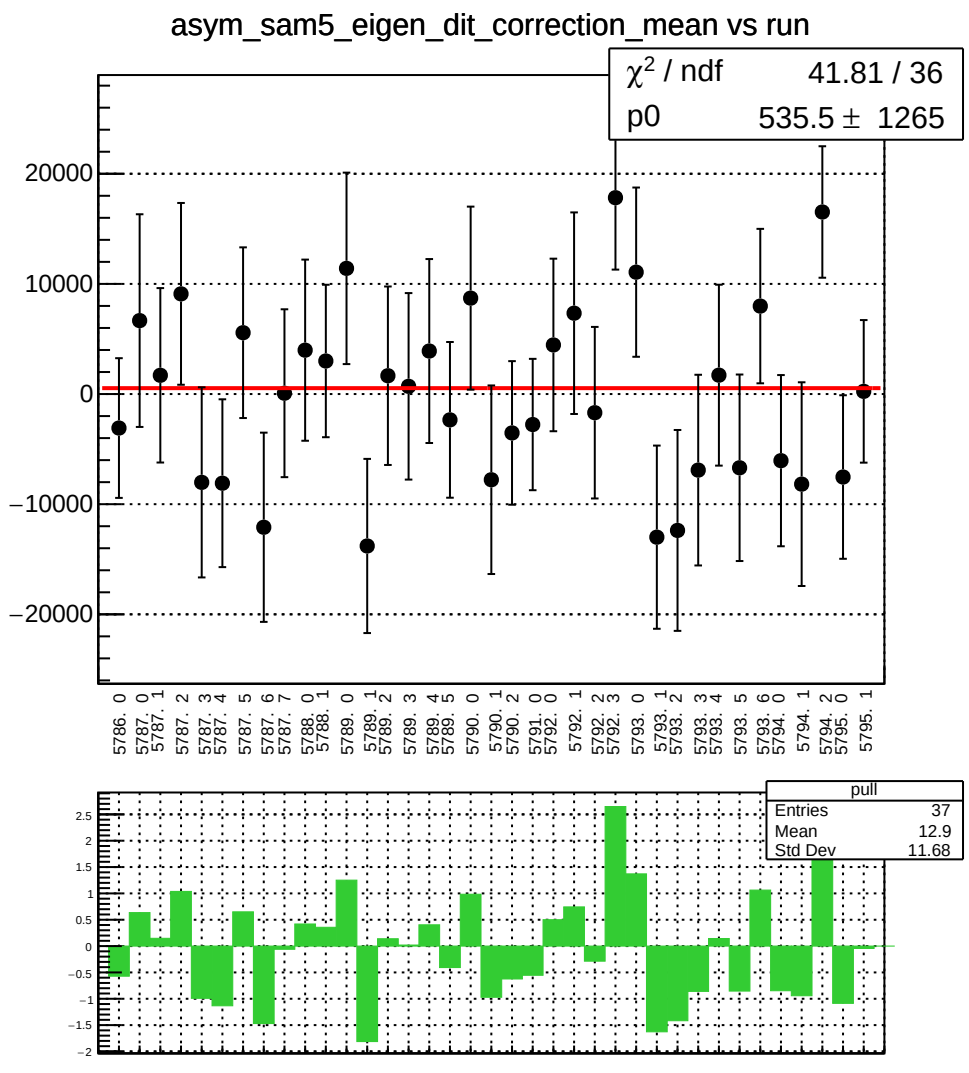
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.9
Std Dev 11.68
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

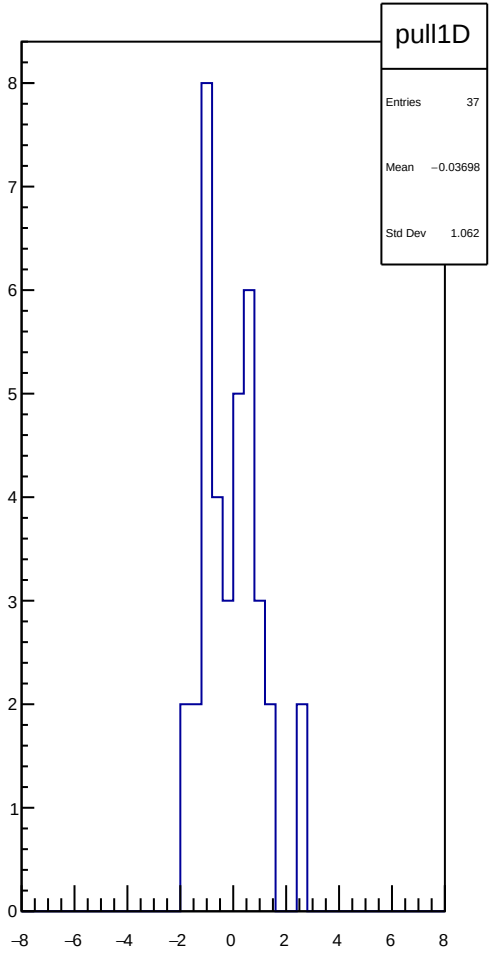

pull1D
Entries 37
Mean −0.03698
Std Dev 1.062
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

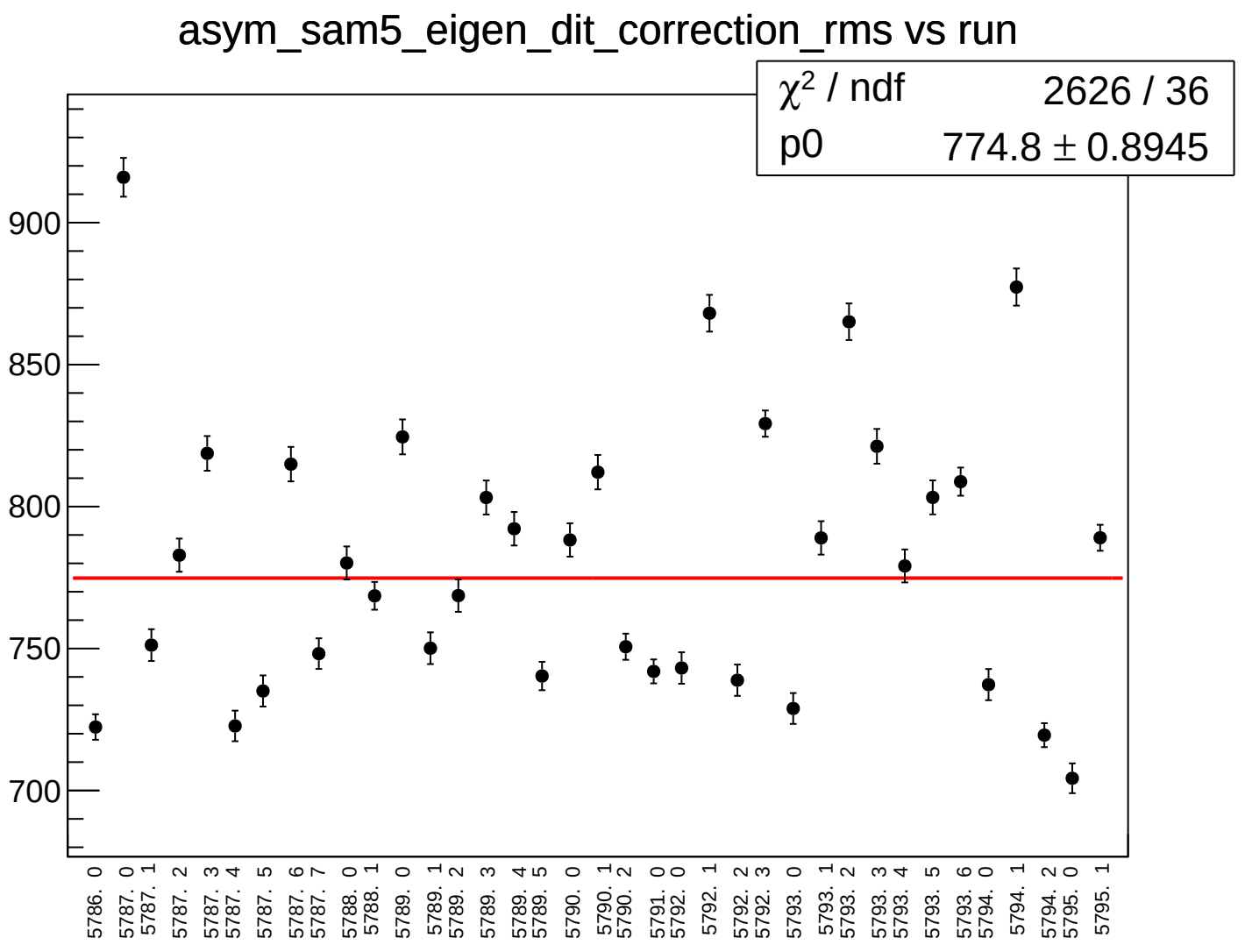

asym_sam5_dit_correction_rms vs run
χ² / ndf 2626 / 36
p0 774.8 ± 0.8945
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

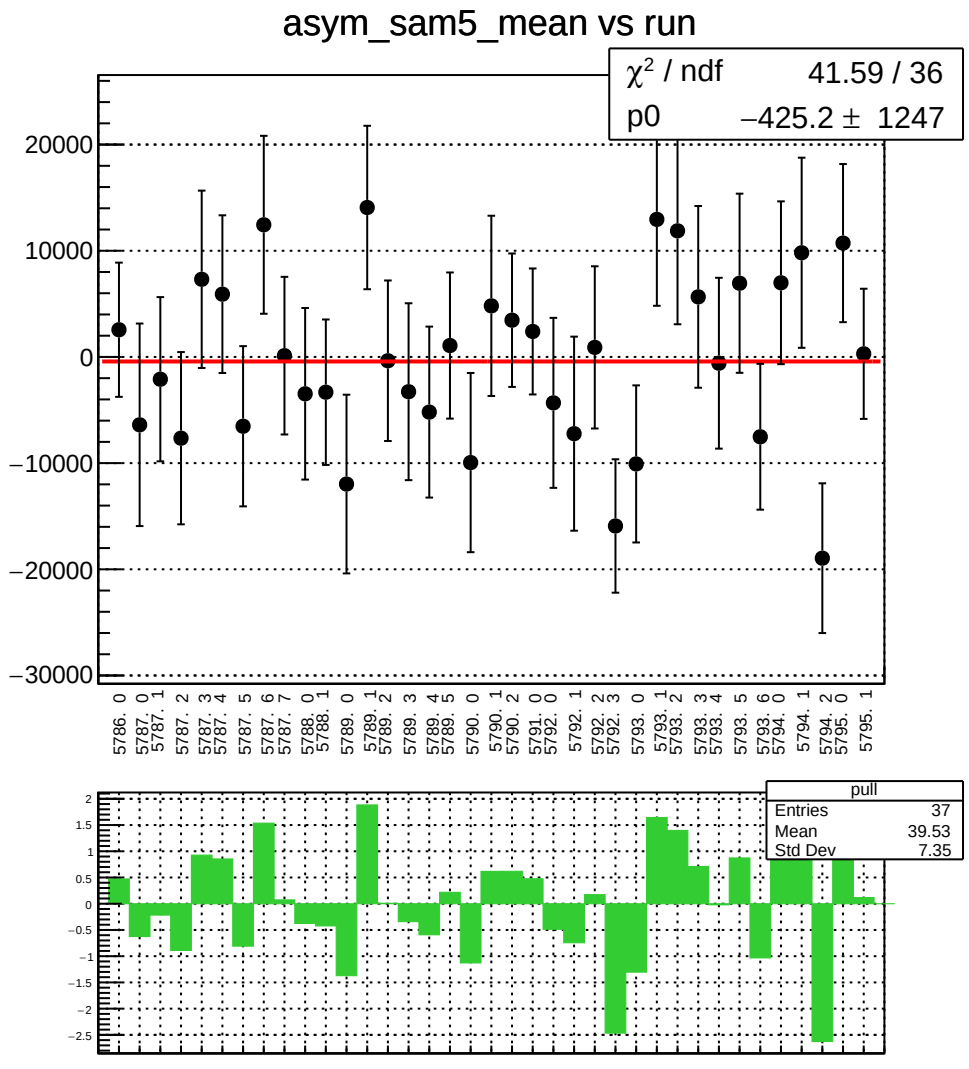

eigen_dit_asym_sam5_mean vs run
χ² / ndf 58.3 / 36
p0 −33.77 ± 155.7
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −72.33
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.04426
Std Dev 1.254
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

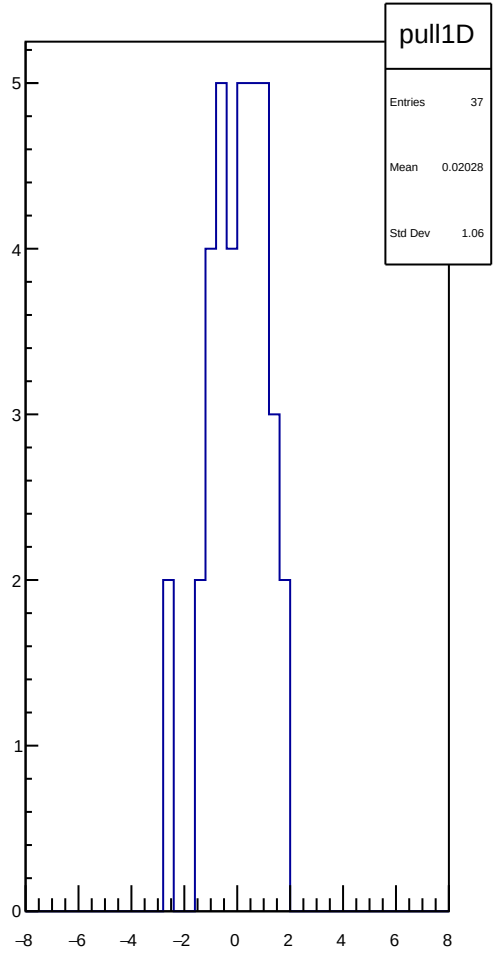

eigen_dit_asym_sam5_rms vs run
χ² / ndf 1.774e+04 / 36
p0 94.43 ± 0.1101
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

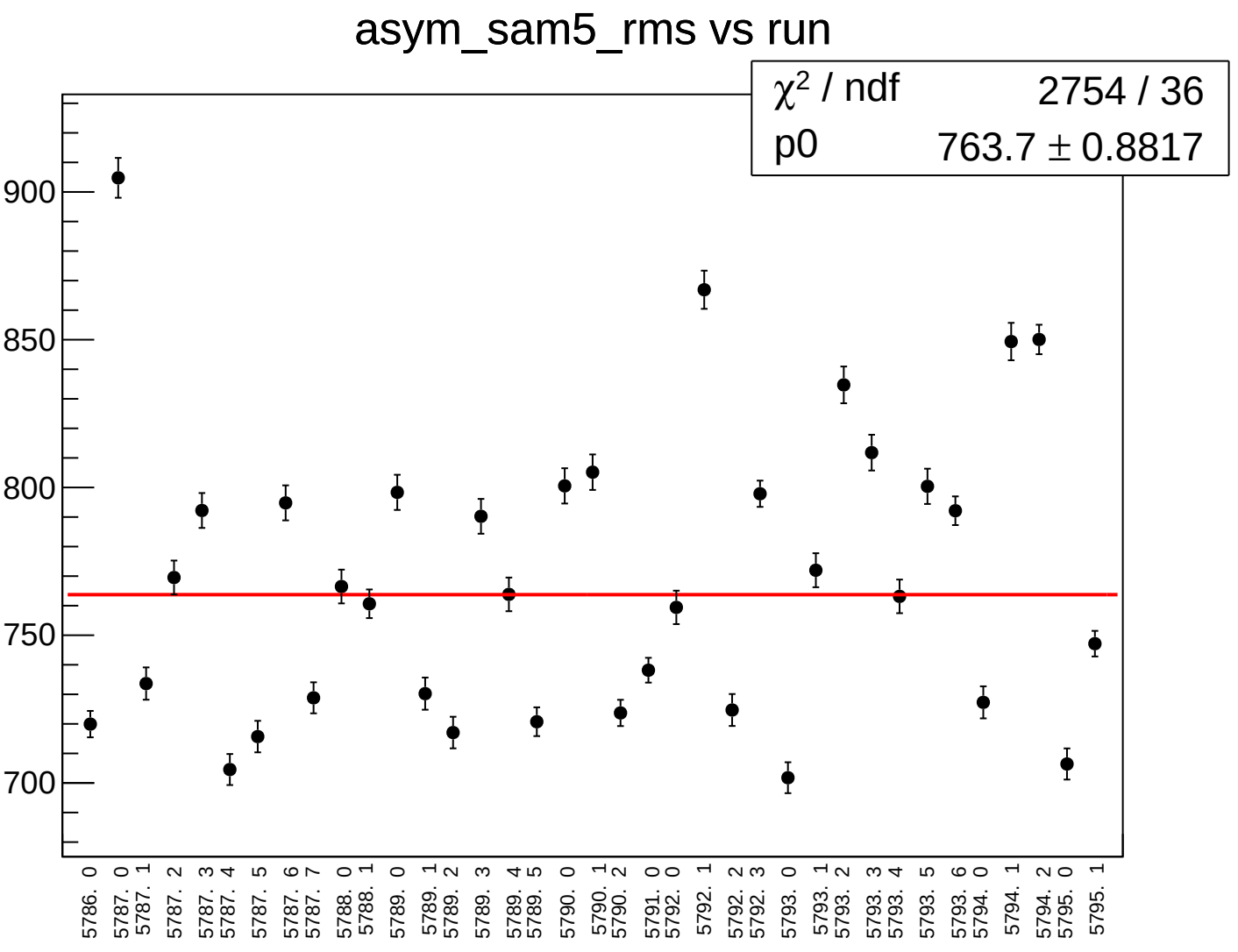

asym_sam5_eigen_dit_correction_mean vs run
χ² / ndf 41.81 / 36
p0 535.5 ± 1265
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.9
Std Dev 11.68
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

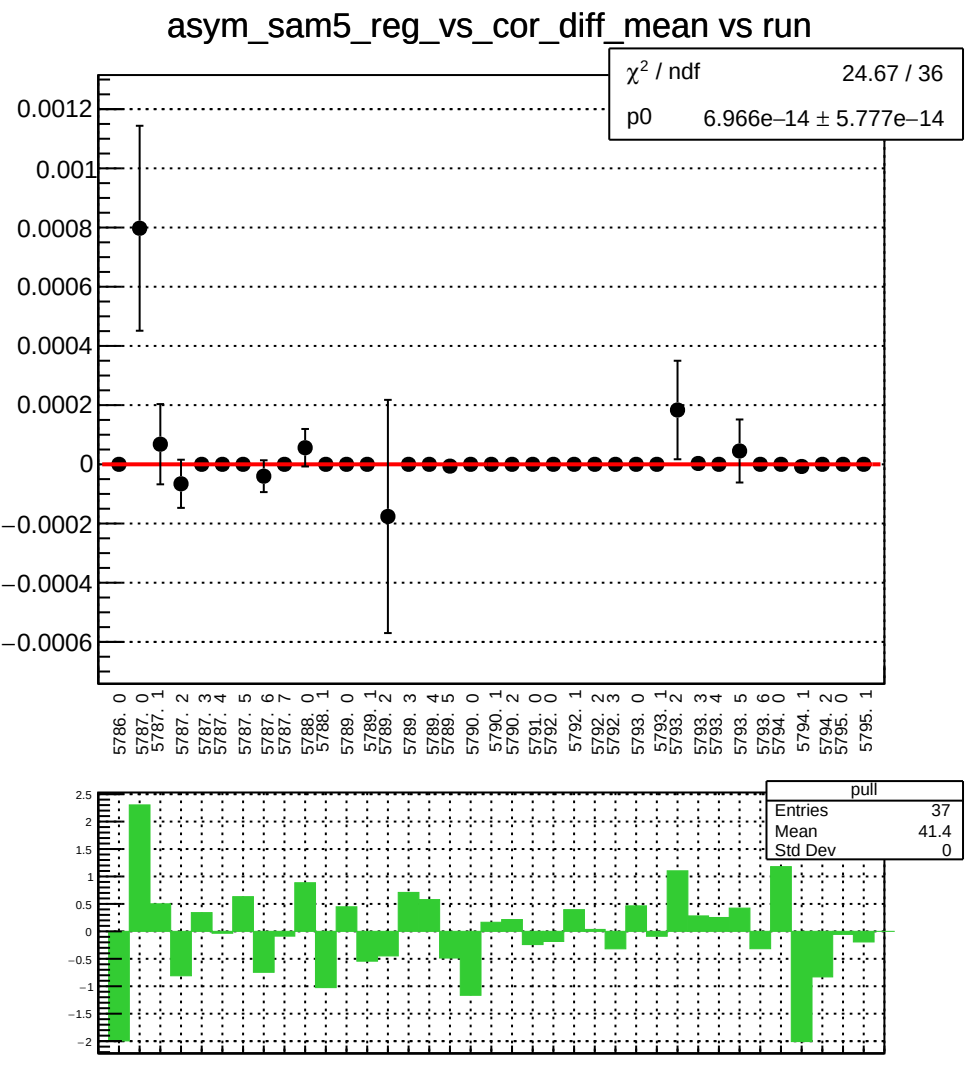

pull1D
Entries 37
Mean −0.03698
Std Dev 1.062
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

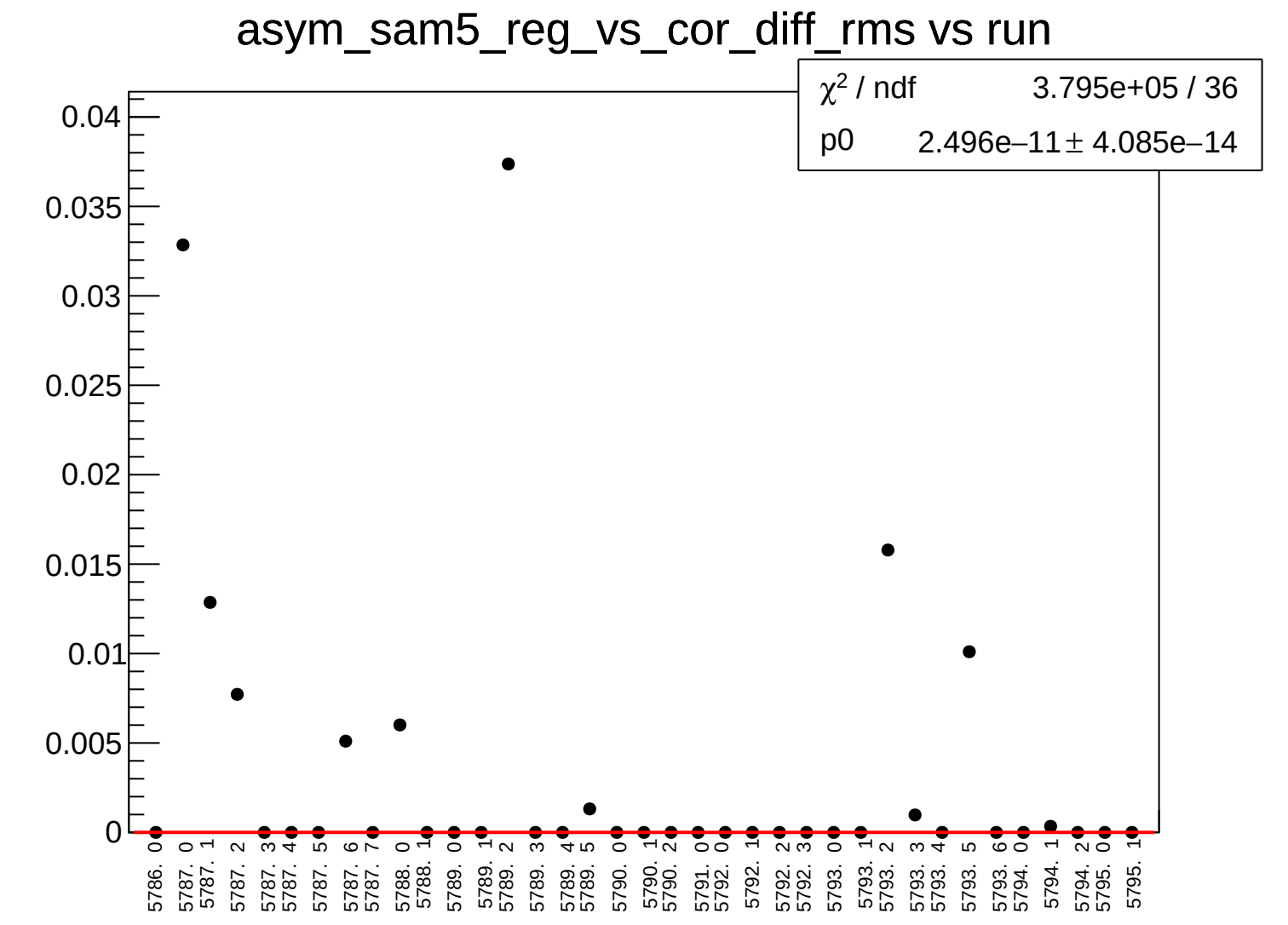

asym_sam5_eigen_dit_correction_rms vs run
χ² / ndf 2626 / 36
p0 774.8 ± 0.8945
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

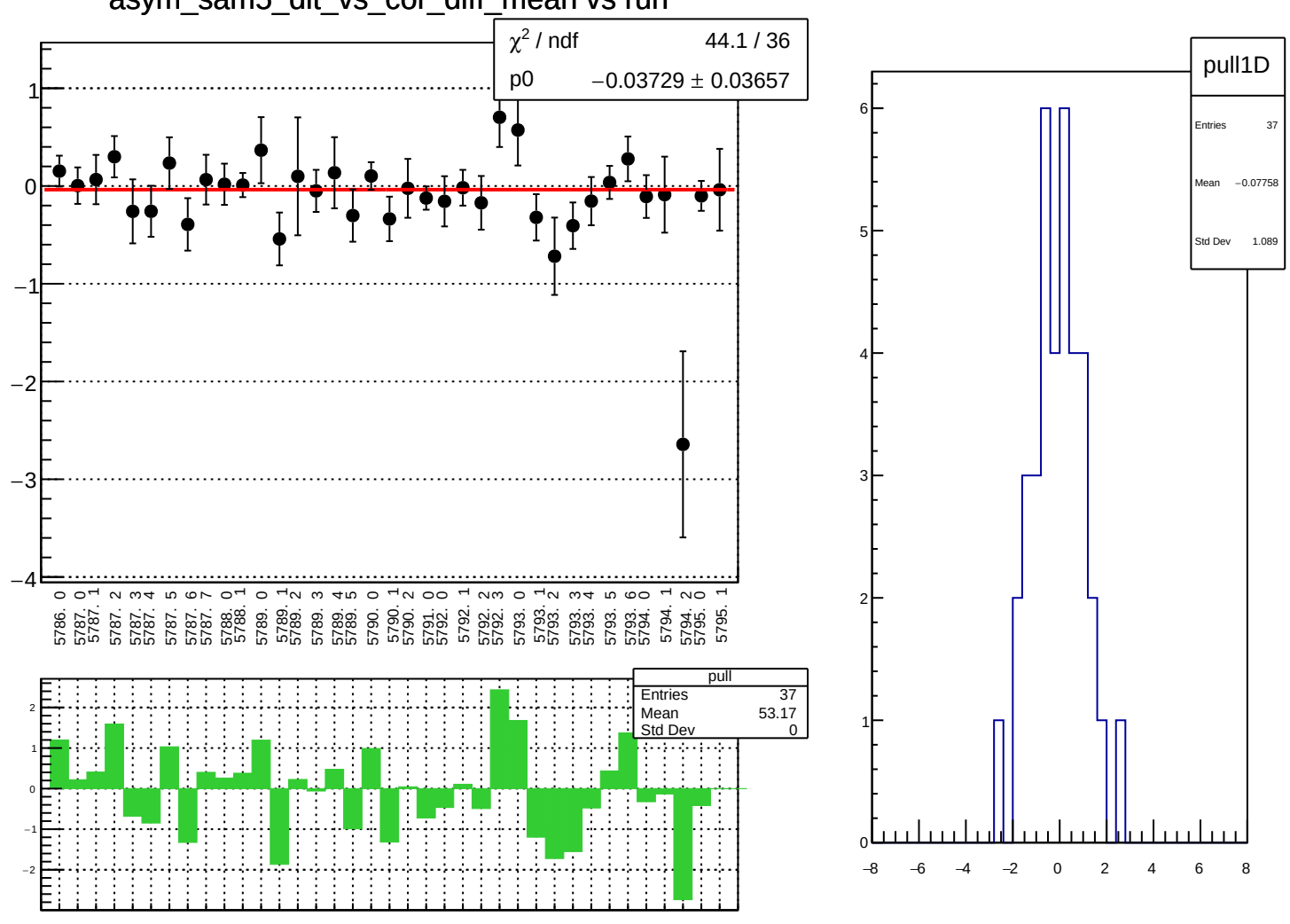

asym_sam5_mean vs run
χ² / ndf 41.59 / 36
p0 −425.2 ± 1247
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.53
Std Dev 7.35
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

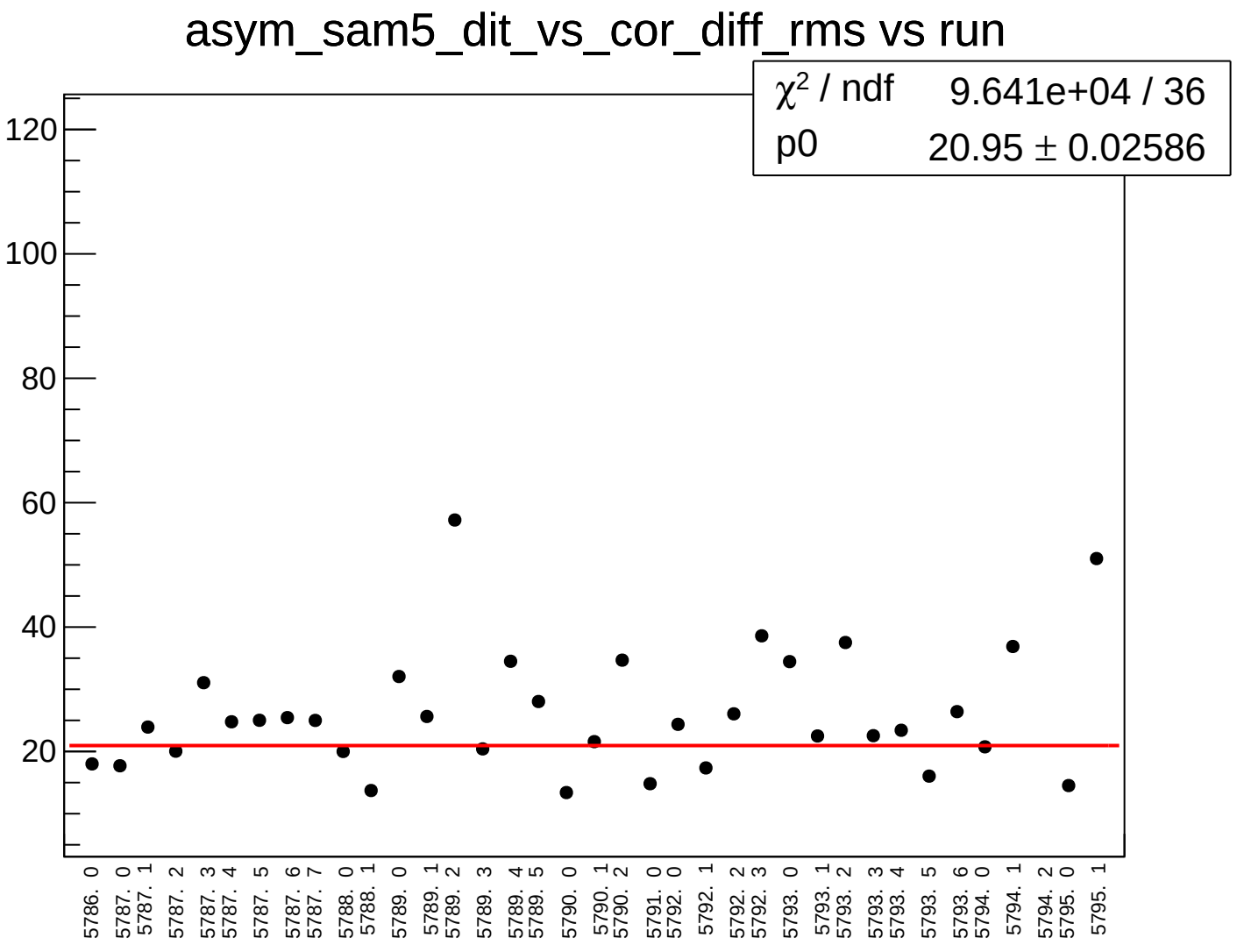

pull1D
Entries 37
Mean 0.02028
Std Dev 1.06
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

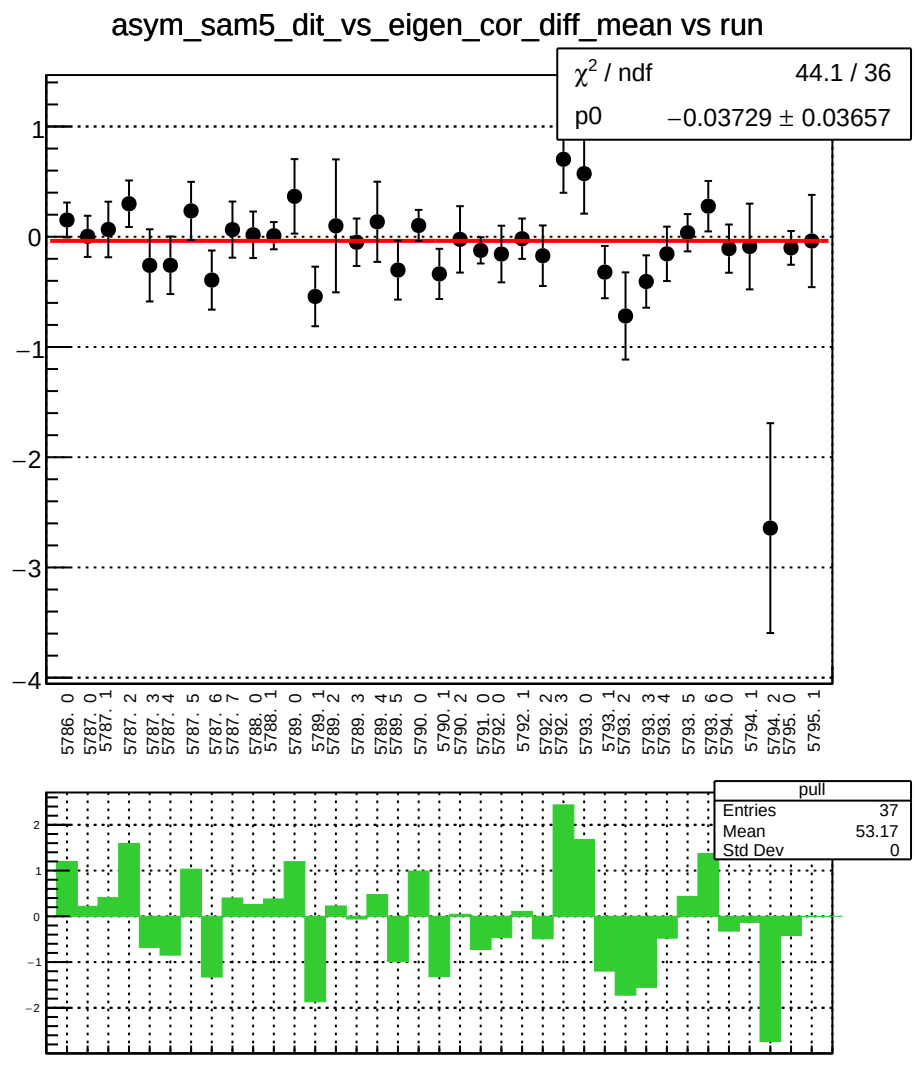

asym_sam5_rms vs run
χ² / ndf 2754 / 36
p0 763.7 ± 0.8817
900
850
800
750
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

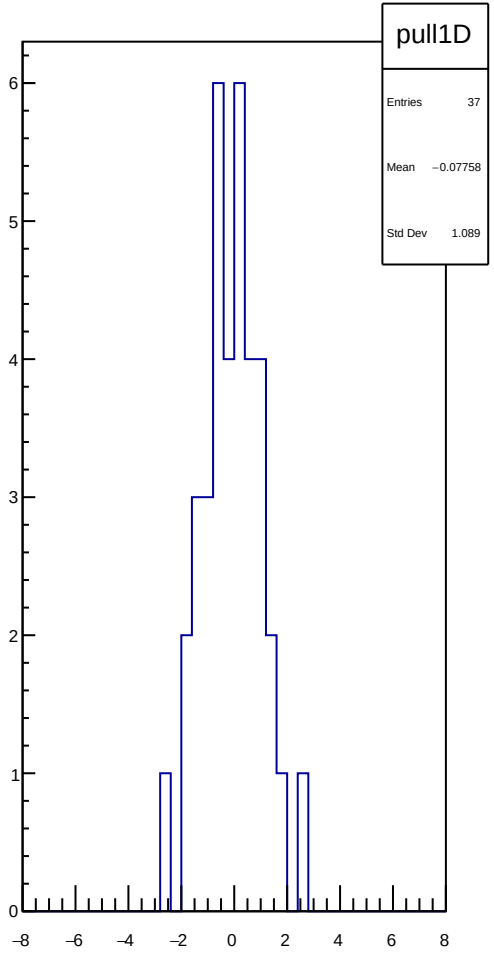

asym_sam5_reg_vs_cor_diff_mean vs run
χ² / ndf 24.67 / 36
p0 6.966e−14 ± 5.777e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 41.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01777
Std Dev 0.8163
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

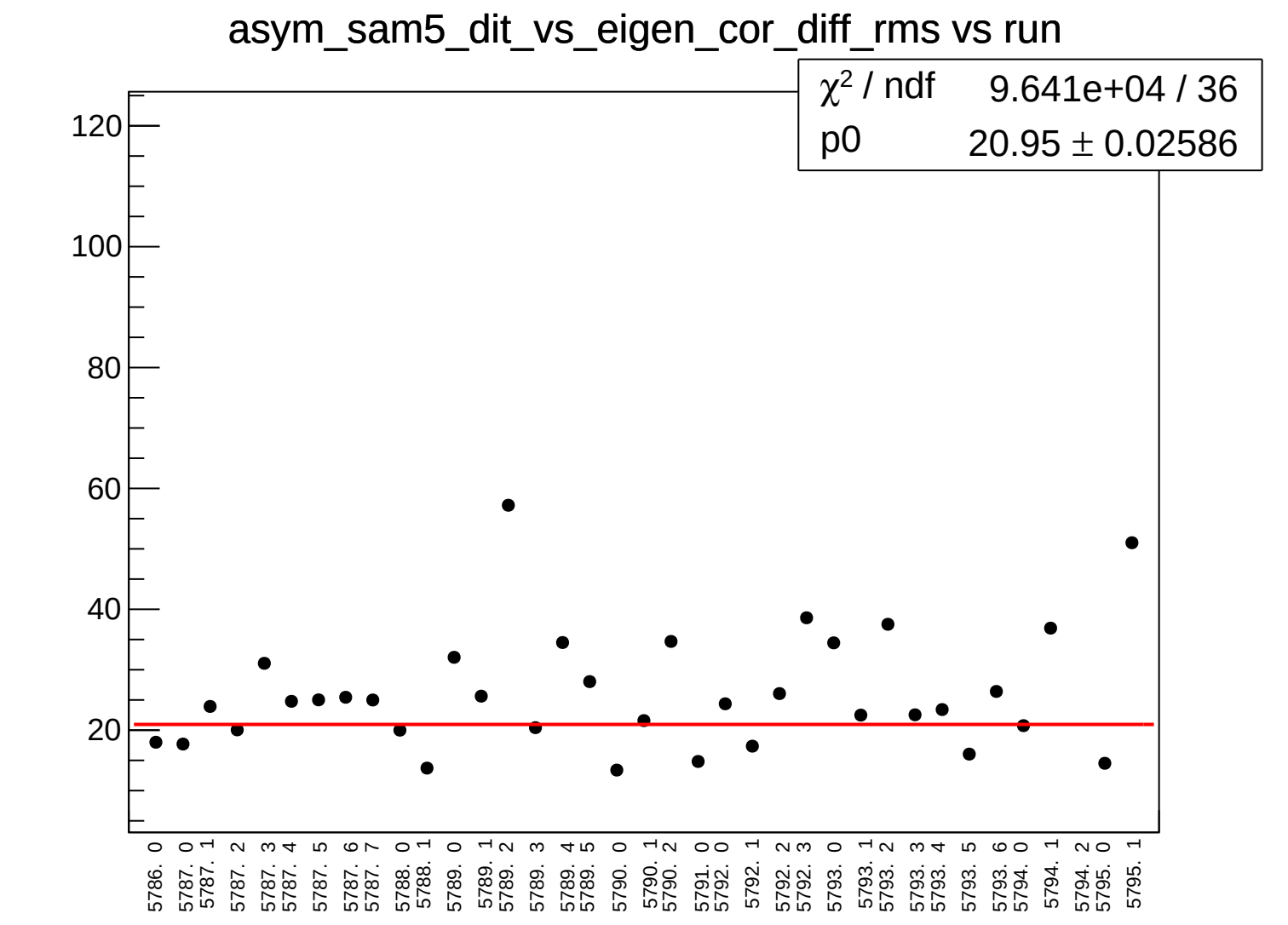

asym_sam5_reg_vs_cor_diff_rms vs run
χ² / ndf 3.795e+05 / 36
p0 2.496e−11 ± 4.085e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

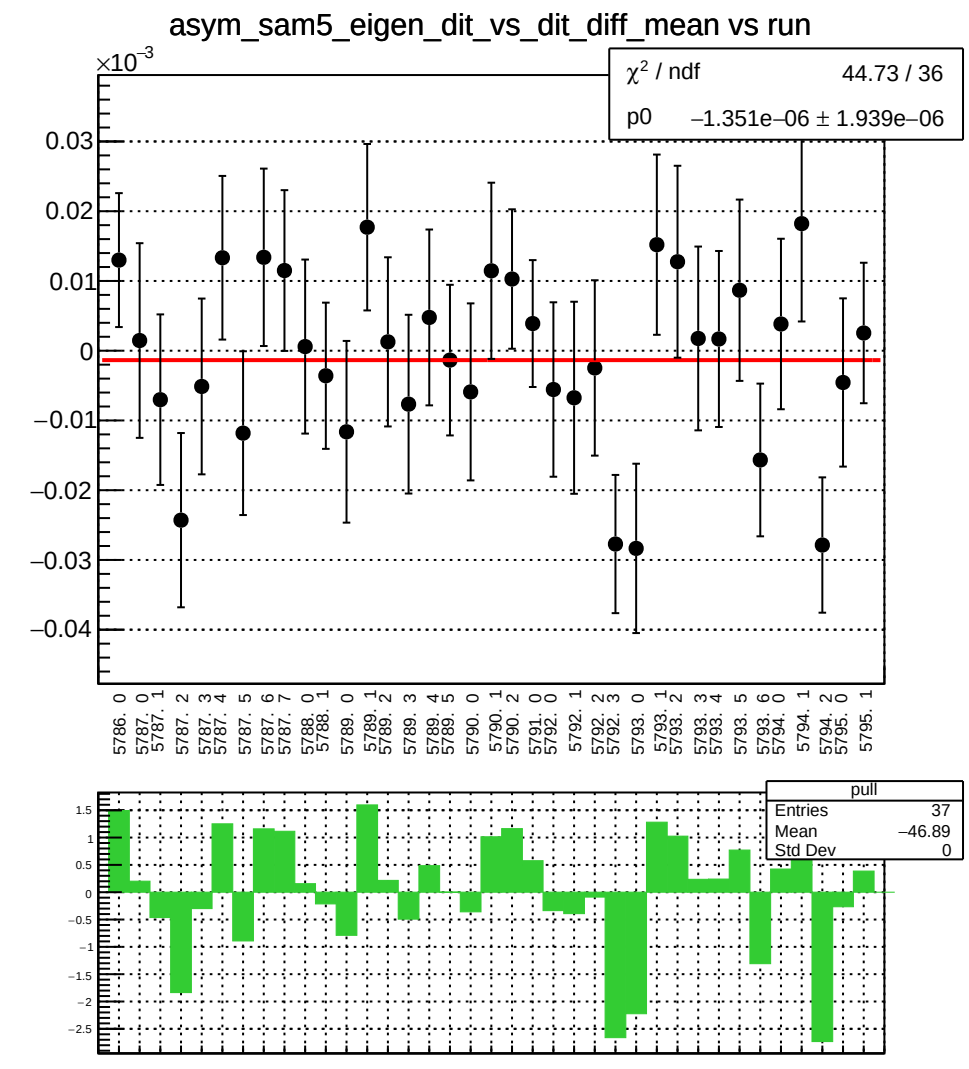

asym_sam5_dit_vs_cor_diff_mean vs run
χ² / ndf 44.1 / 36
p0 −0.03729 ± 0.03657
pull
Entries 37
Mean 53.17
Std Dev 0
pull1D
Entries 37
Mean −0.07758
Std Dev 1.089

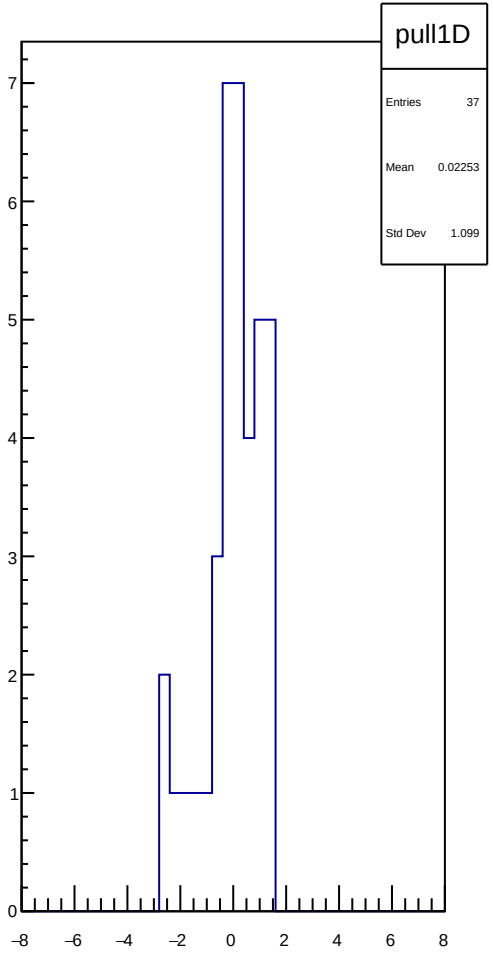

asym_sam5_dit_vs_cor_diff_rms vs run
χ² / ndf 9.641e+04 / 36
p0 20.95 ± 0.02586
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

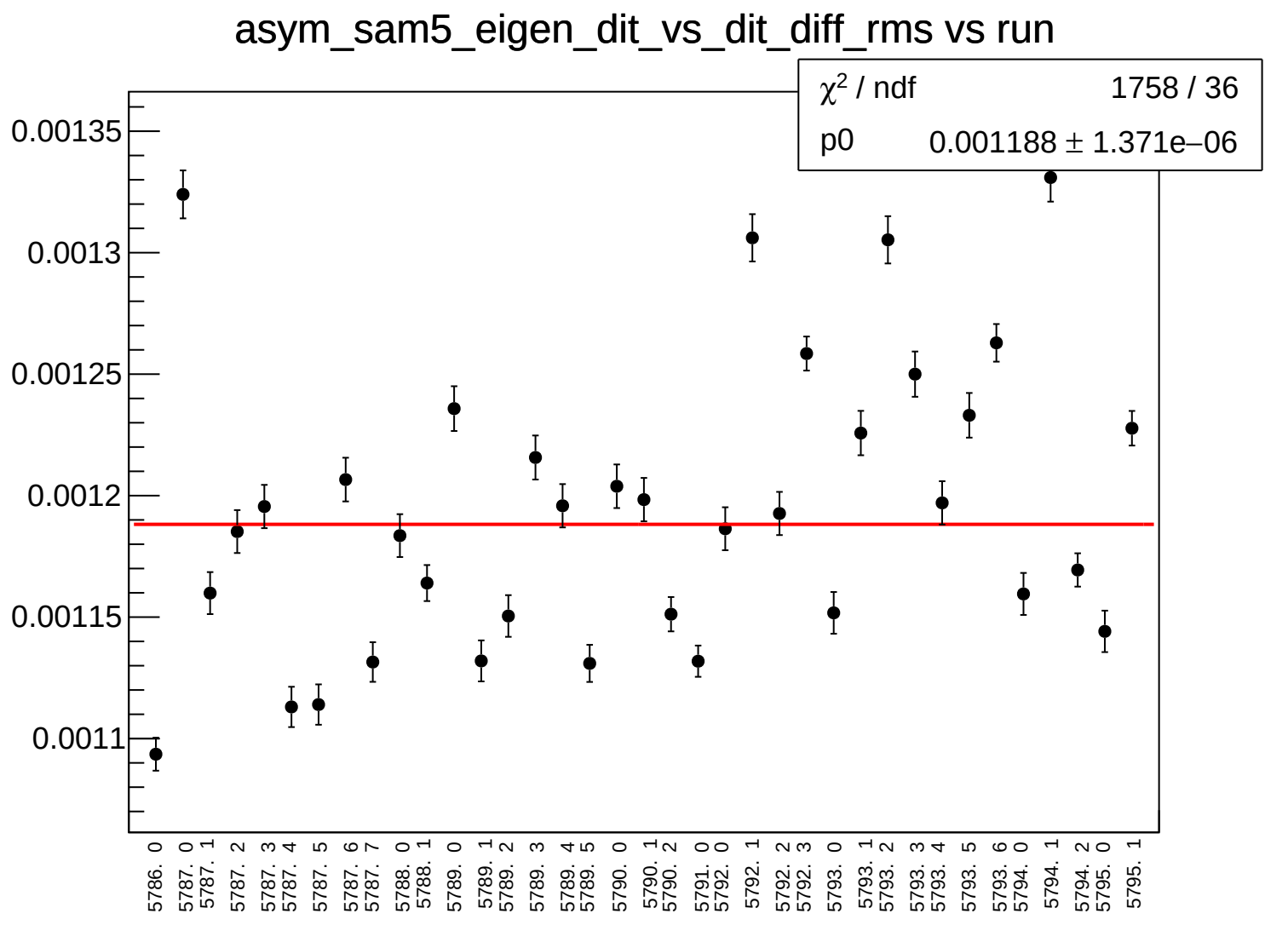

asym_sam5_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.1 / 36
p0 −0.03729 ± 0.03657
pull
Entries 37
Mean 53.17
Std Dev 0

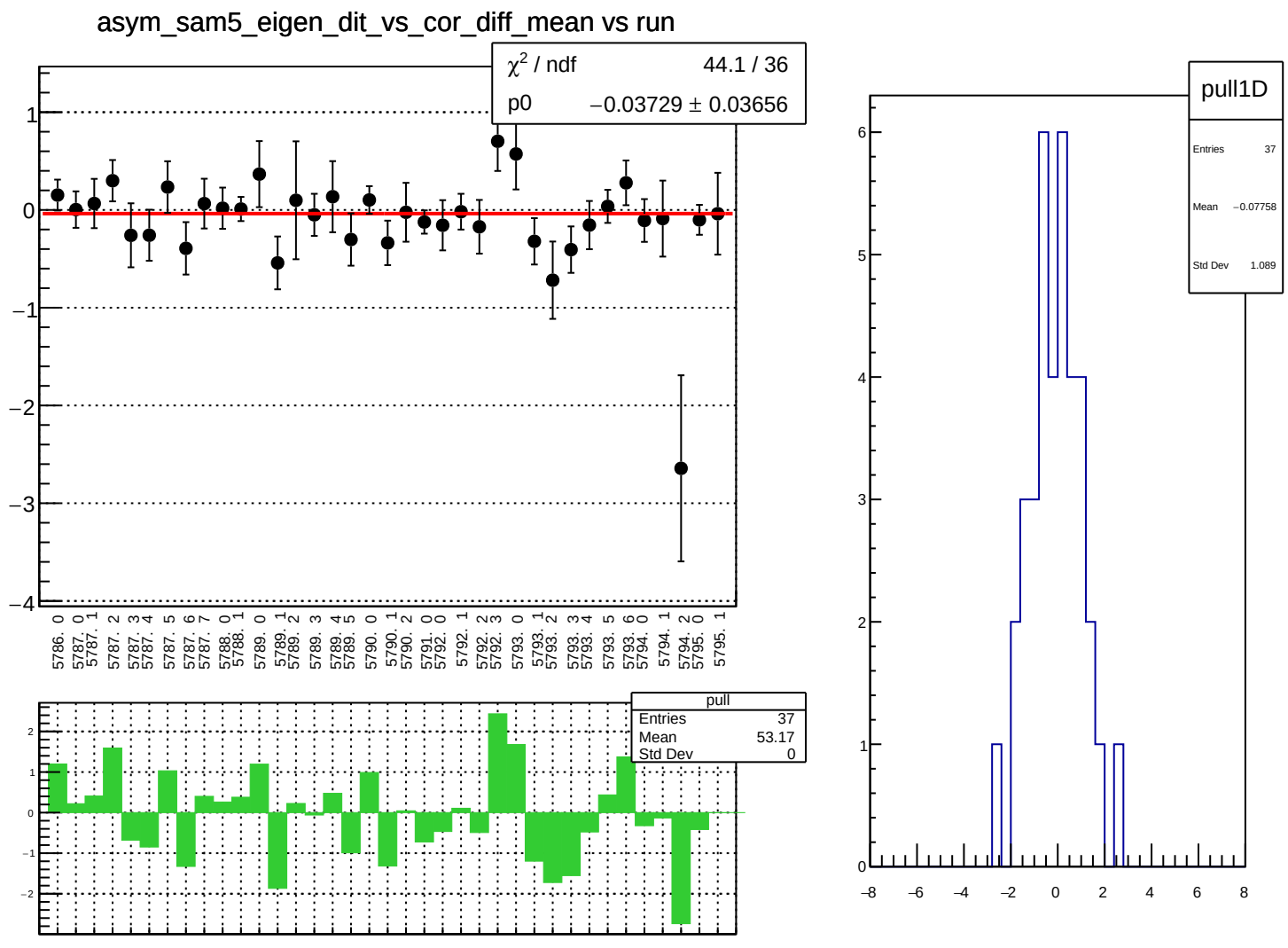

pull1D
Entries 37
Mean −0.07758
Std Dev 1.089

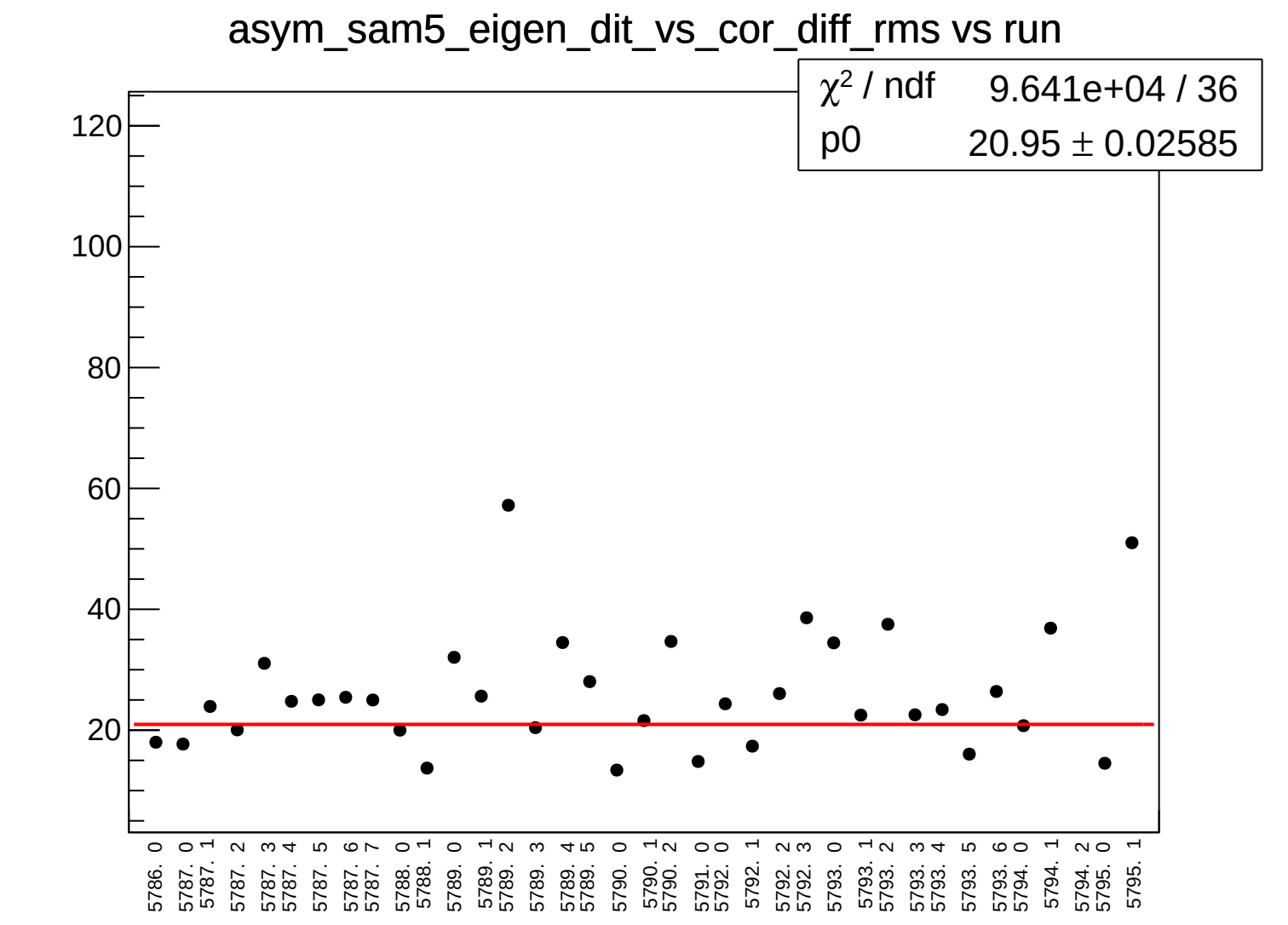

asym_sam5_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.641e+04 / 36
p0 20.95 ± 0.02586
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

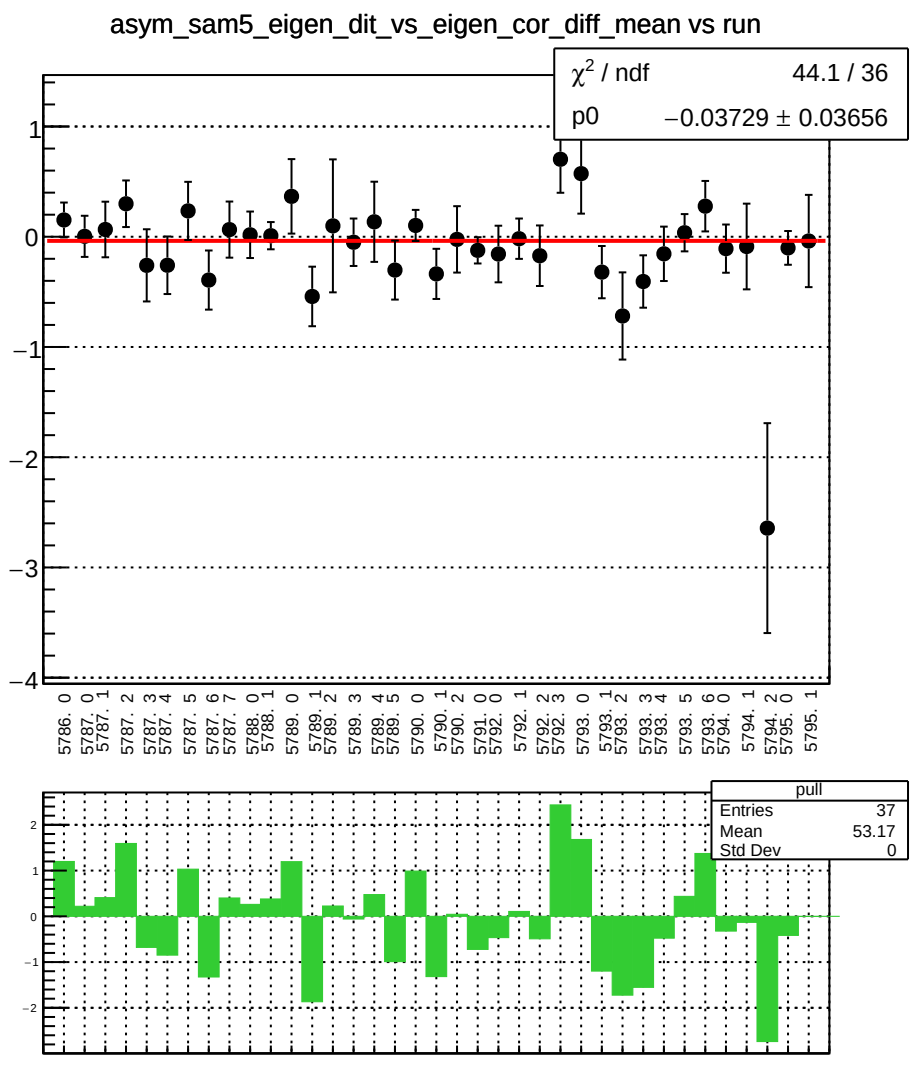

asym_sam5_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 44.73 / 36
p0 −1.351e−06 ± 1.939e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −46.89
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

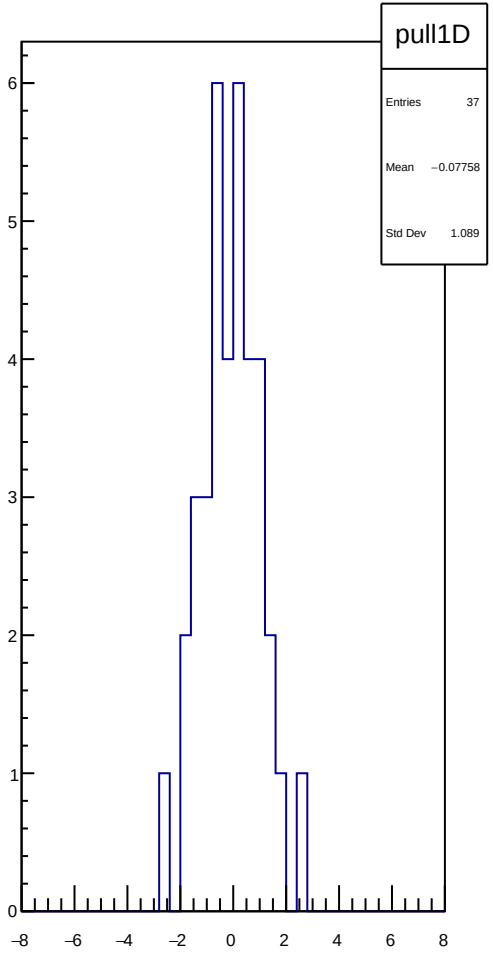

pull1D
Entries 37
Mean 0.02253
Std Dev 1.099
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

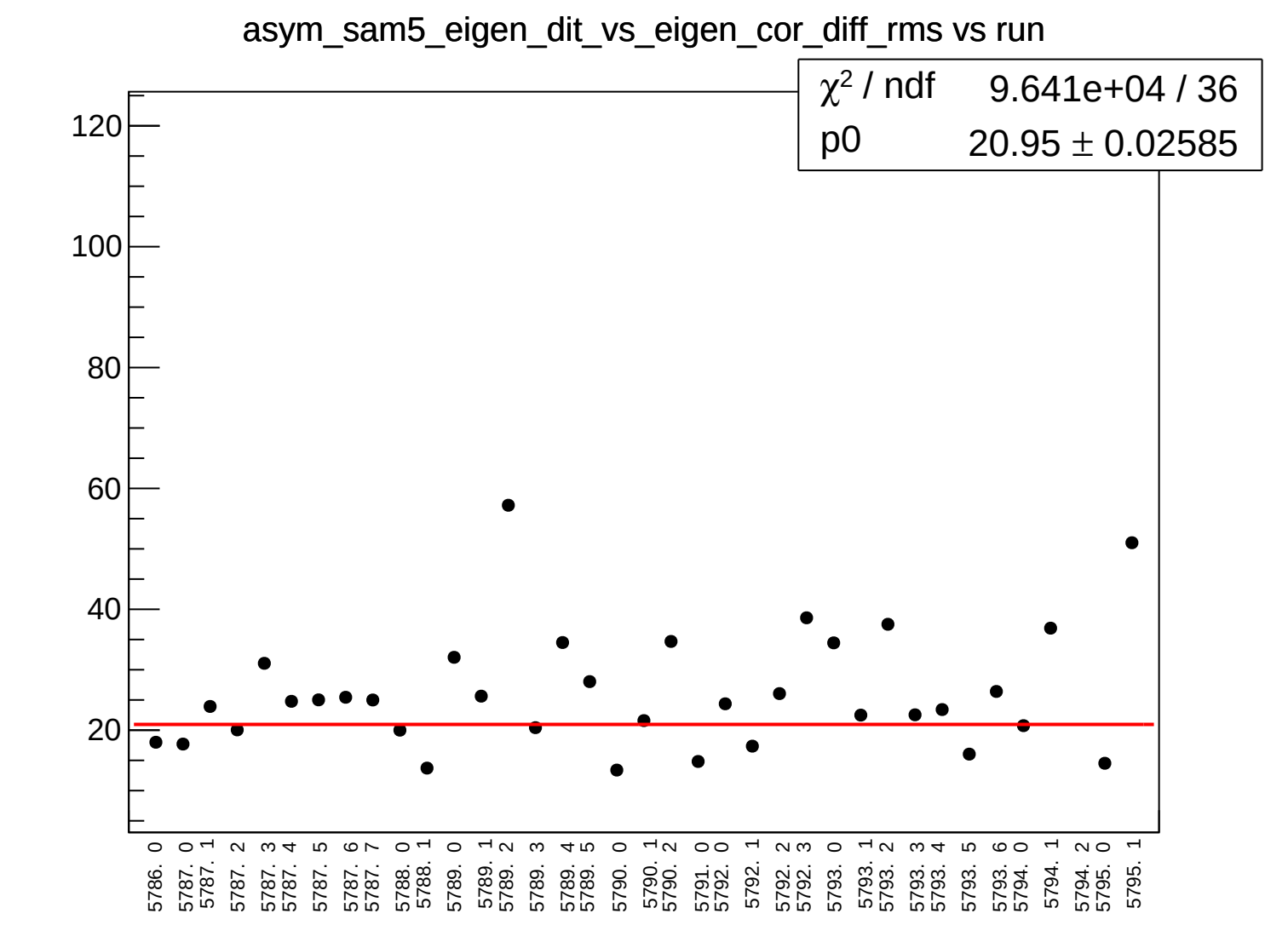

asym_sam5_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1758 / 36
p0 0.001188 ± 1.371e−06
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

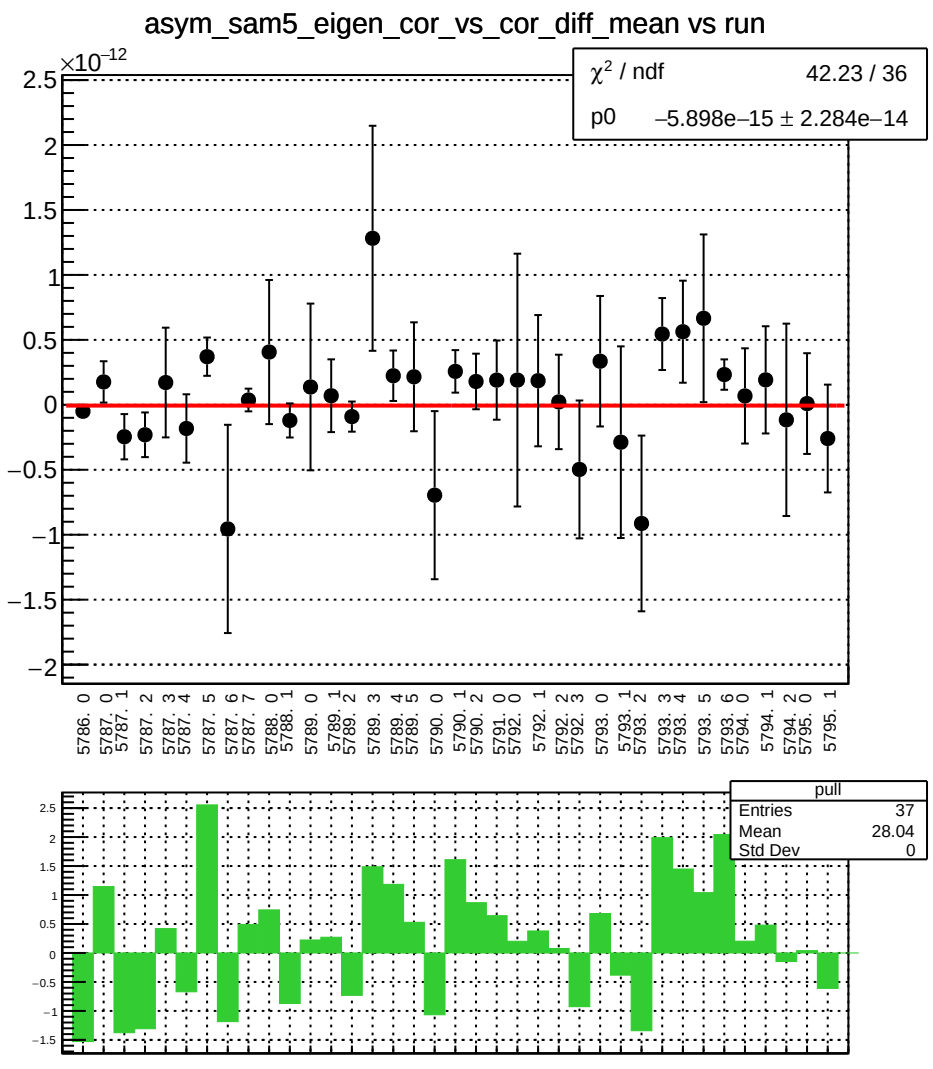

asym_sam5_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.1 / 36
p0 −0.03729 ± 0.03656
pull
Entries 37
Mean 53.17
Std Dev 0
pull1D
Entries 37
Mean −0.07758
Std Dev 1.089

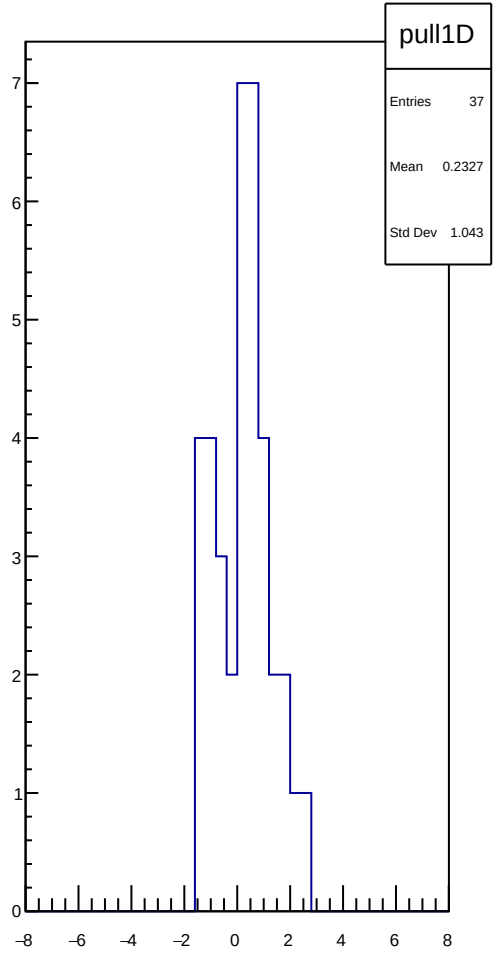

asym_sam5_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 9.641e+04 / 36
p0 20.95 ± 0.02585
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

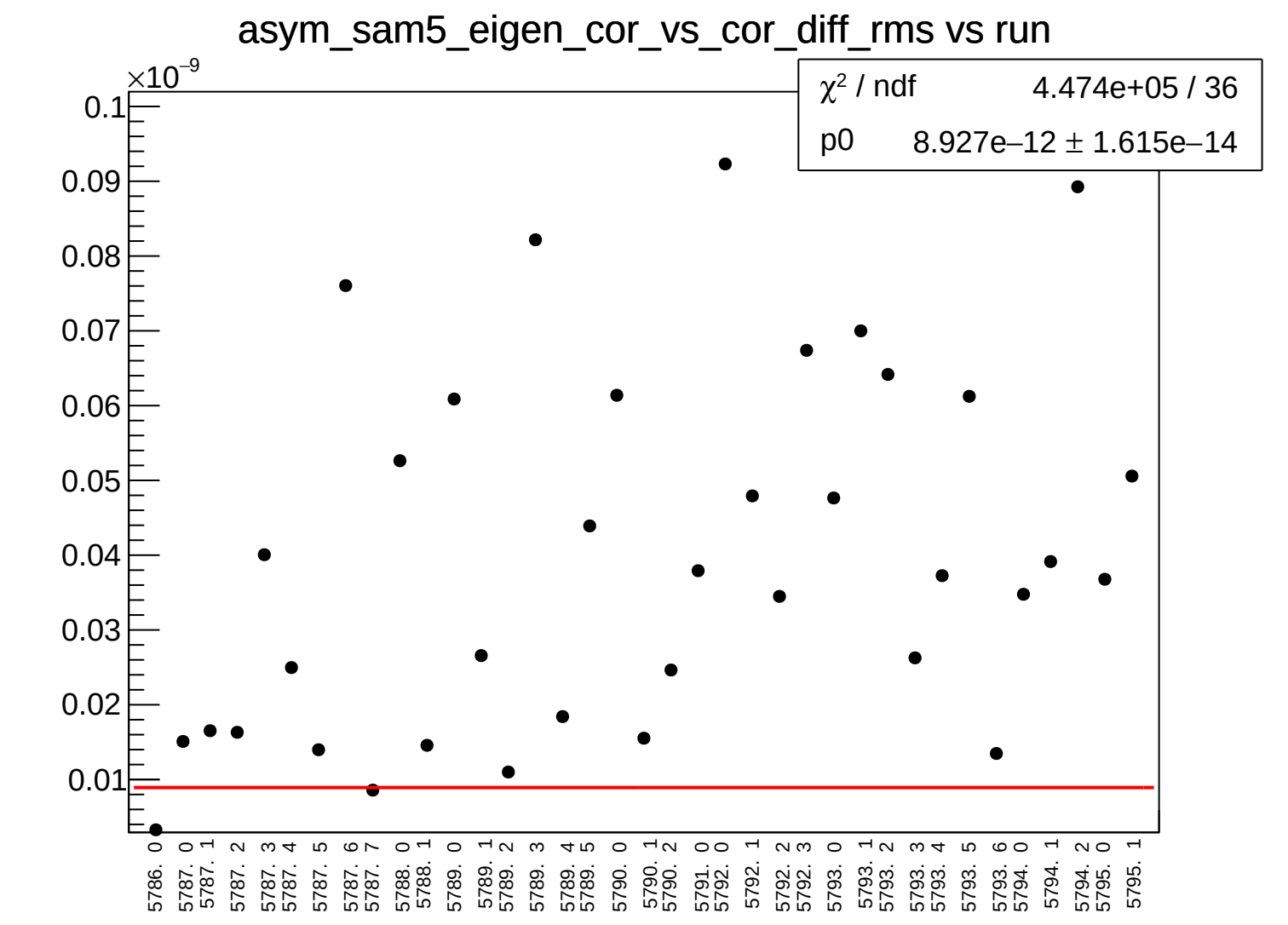

asym_sam5_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.1 / 36
p0 −0.03729 ± 0.03656
pull
Entries 37
Mean 53.17
Std Dev 0

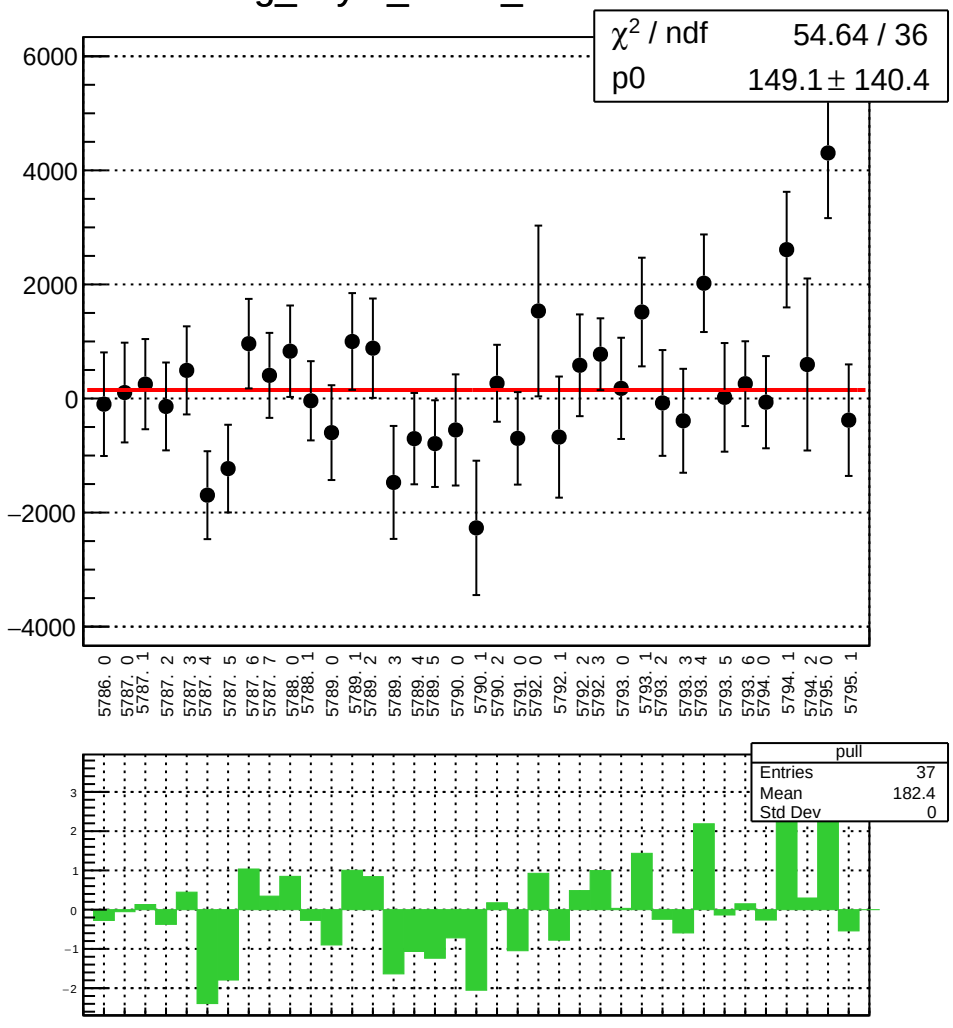

pull1D
Entries 37
Mean −0.07758
Std Dev 1.089

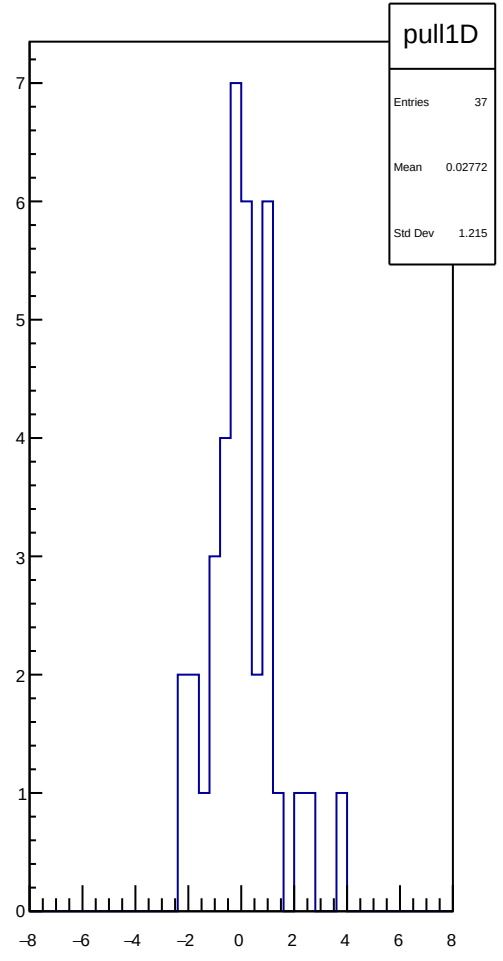

asym_sam5_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 9.641e+04 / 36
p0 20.95 ± 0.02585
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

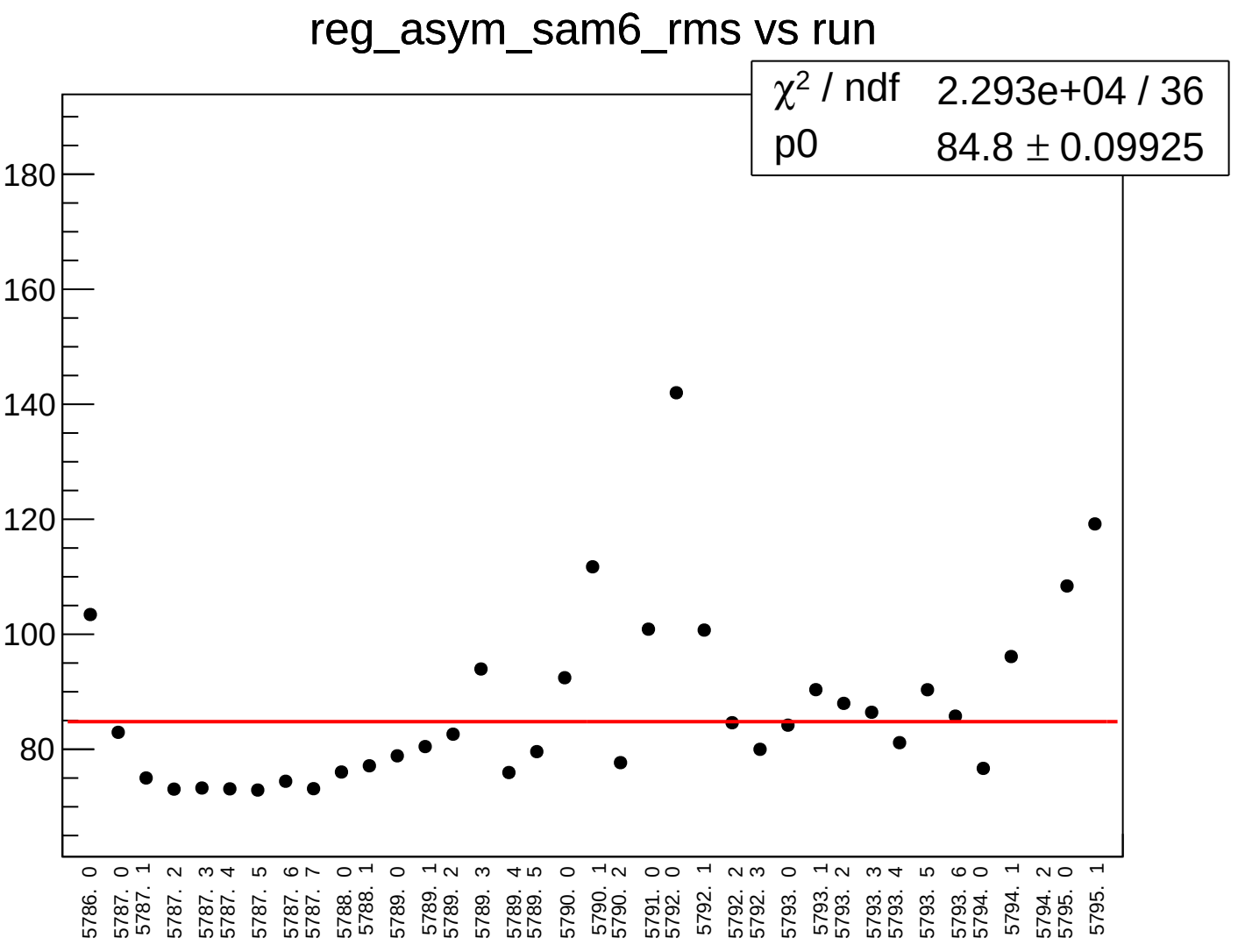

asym_sam5_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.23 / 36
p0 −5.898e−15 ± 2.284e−14
pull
Entries 37
Mean 28.04
Std Dev 0

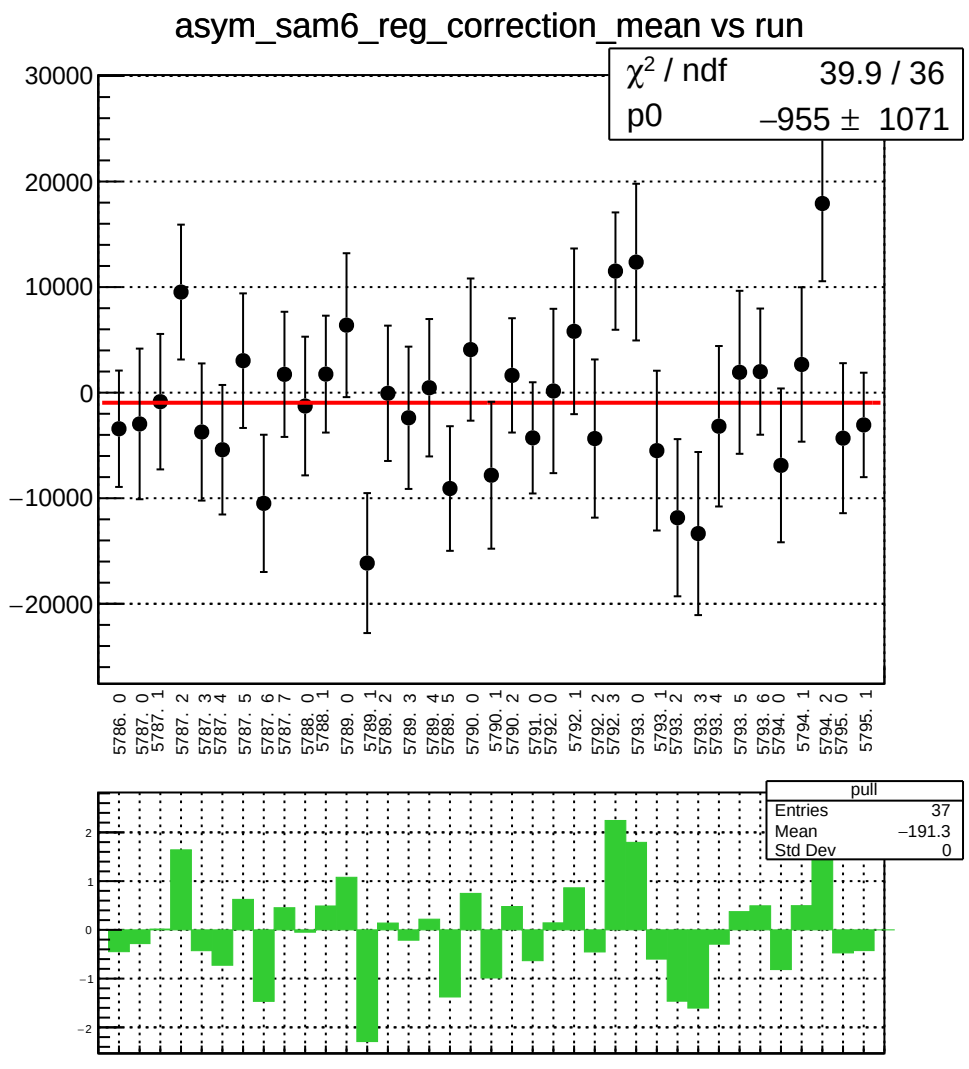

pull1D
Entries 37
Mean 0.2327
Std Dev 1.043

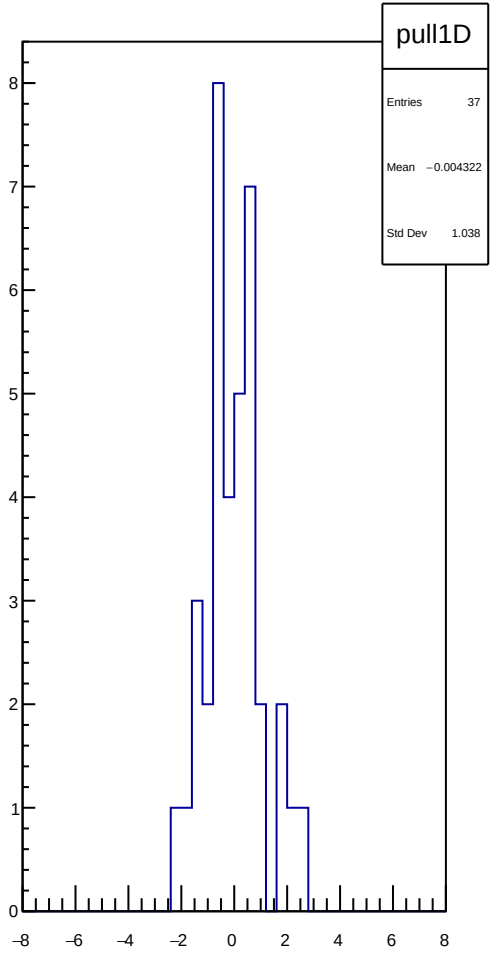

asym_sam5_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 4.474e+05 / 36
p0 8.927e−12 ± 1.615e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

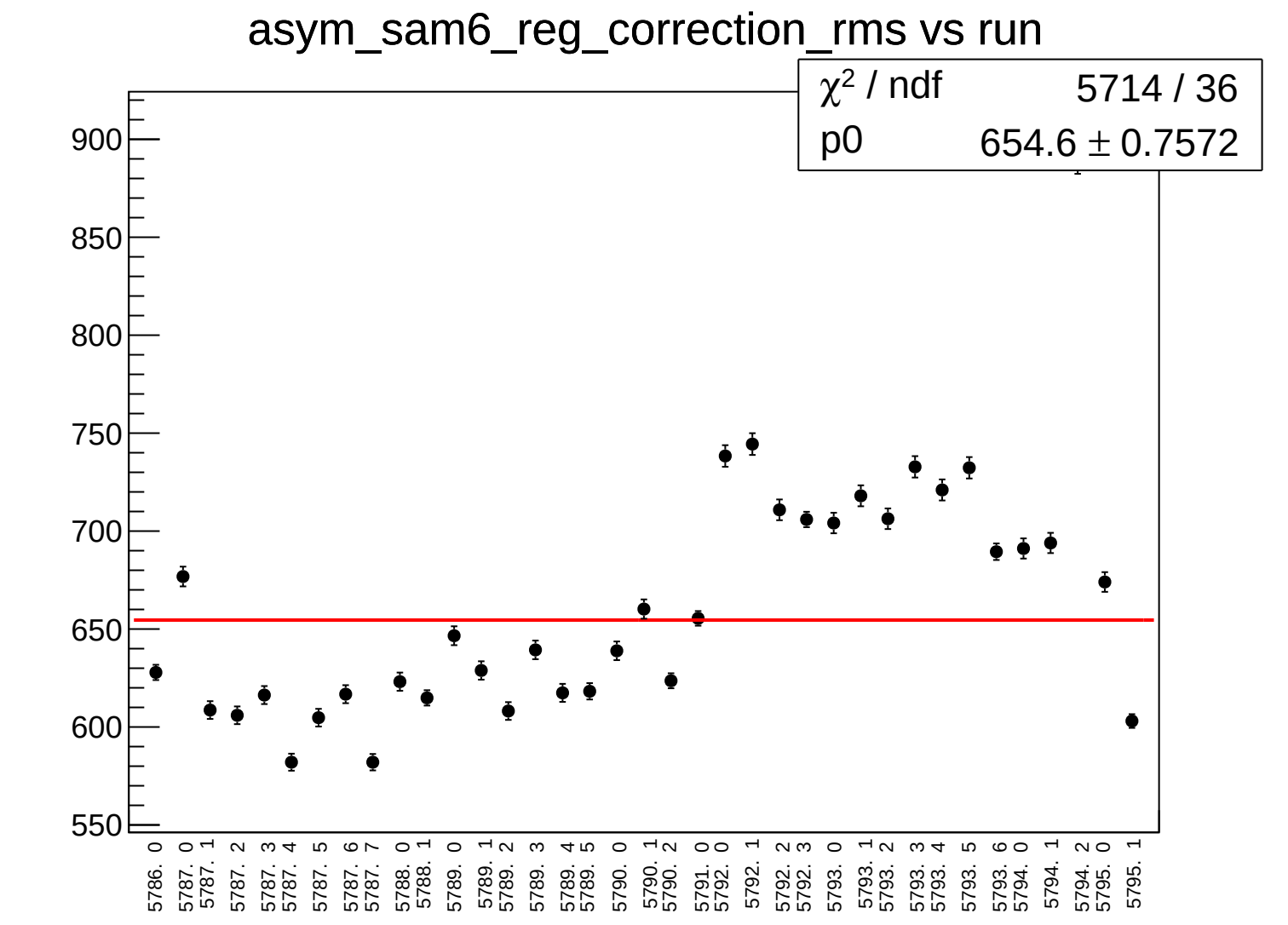

reg_asym_sam6_mean vs run
χ² / ndf 54.64 / 36
p0 149.1 ± 140.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 182.4
Std Dev 0
3
2
1
0
−1
−2

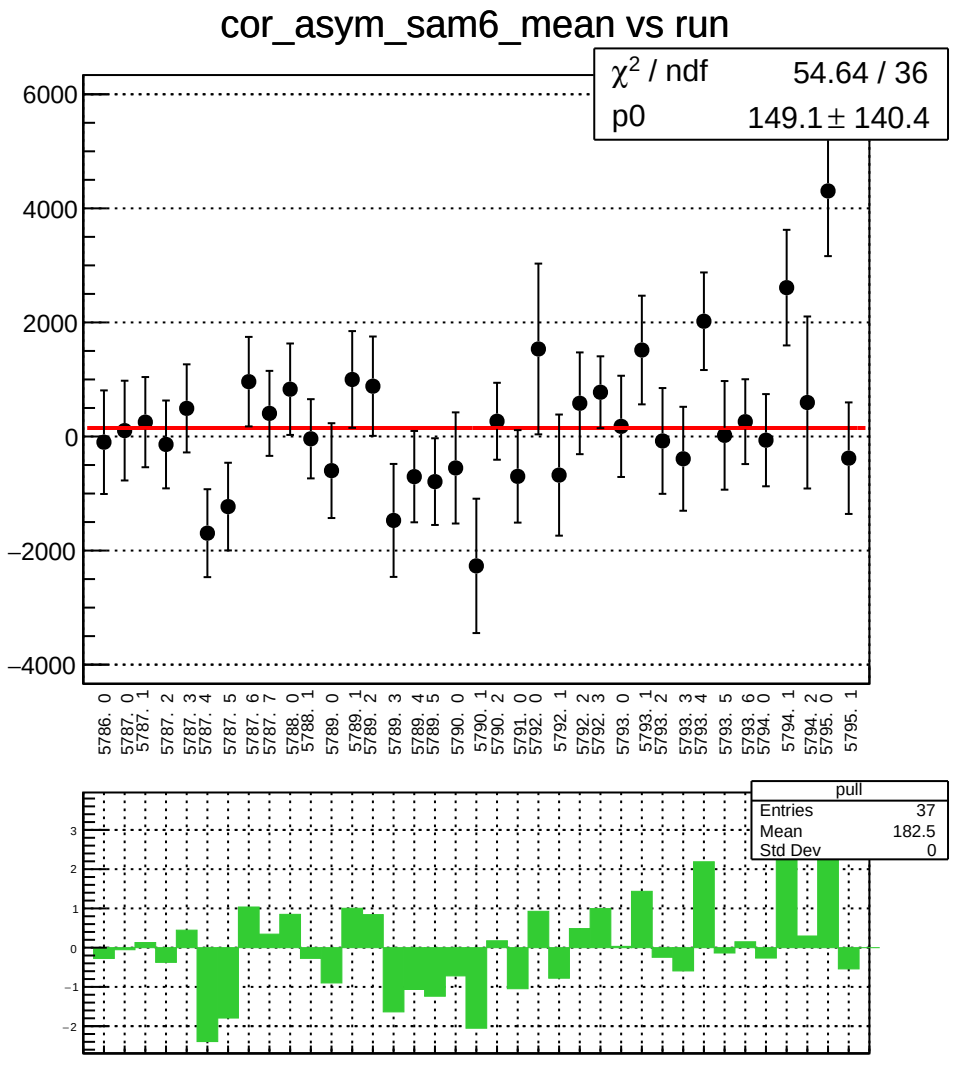

pull1D
Entries 37
Mean 0.02772
Std Dev 1.215
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

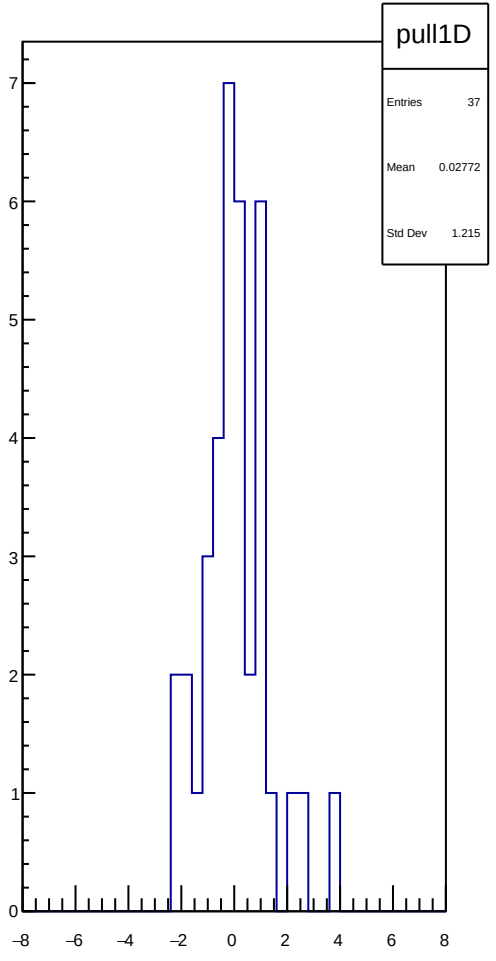

reg_asym_sam6_rms vs run
χ² / ndf 2.293e+04 / 36
p0 84.8 ± 0.09925
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

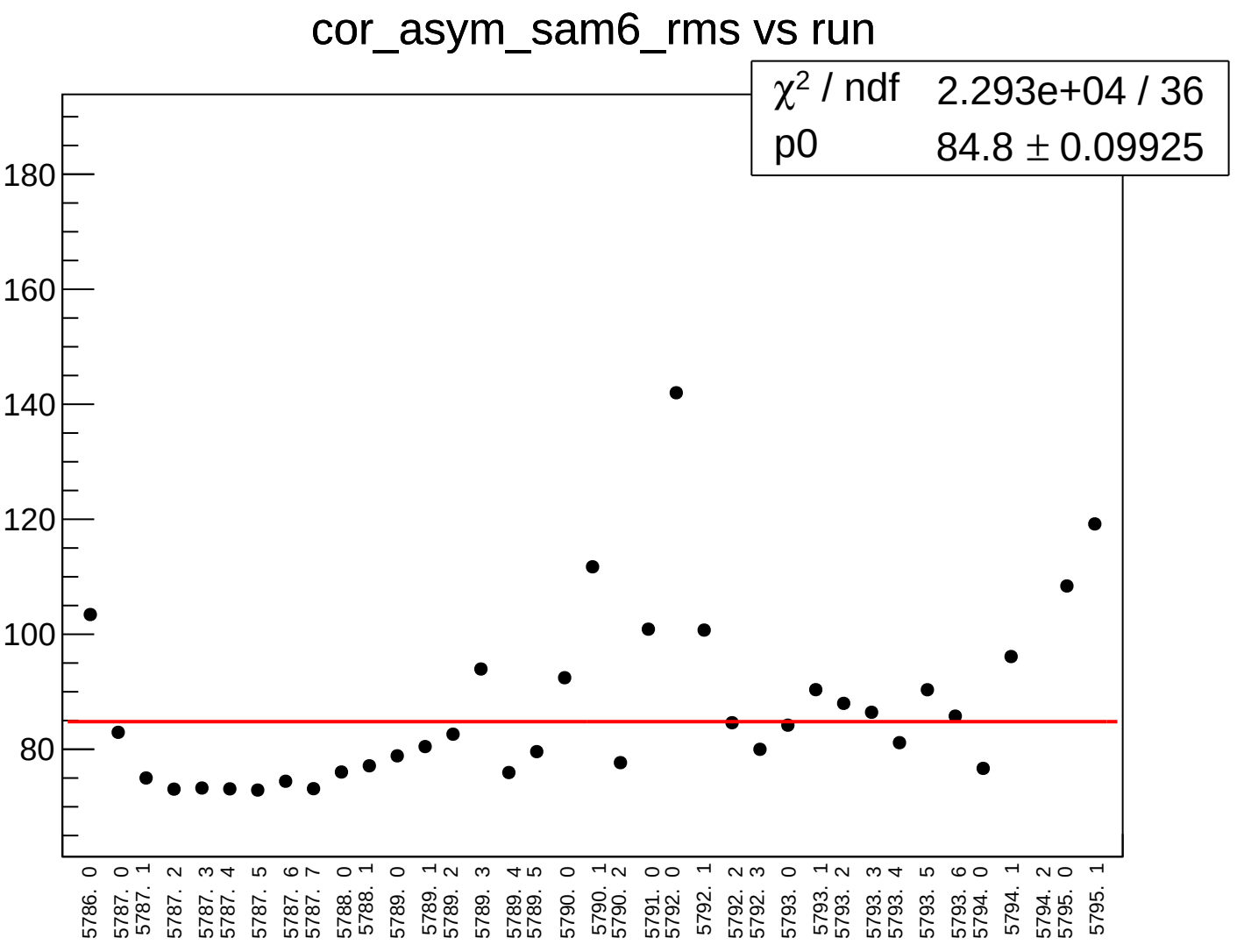

asym_sam6_reg_correction_mean vs run
χ² / ndf 39.9 / 36
p0 −955 ± 1071
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −191.3
Std Dev 0
2
1
0
−1
−2

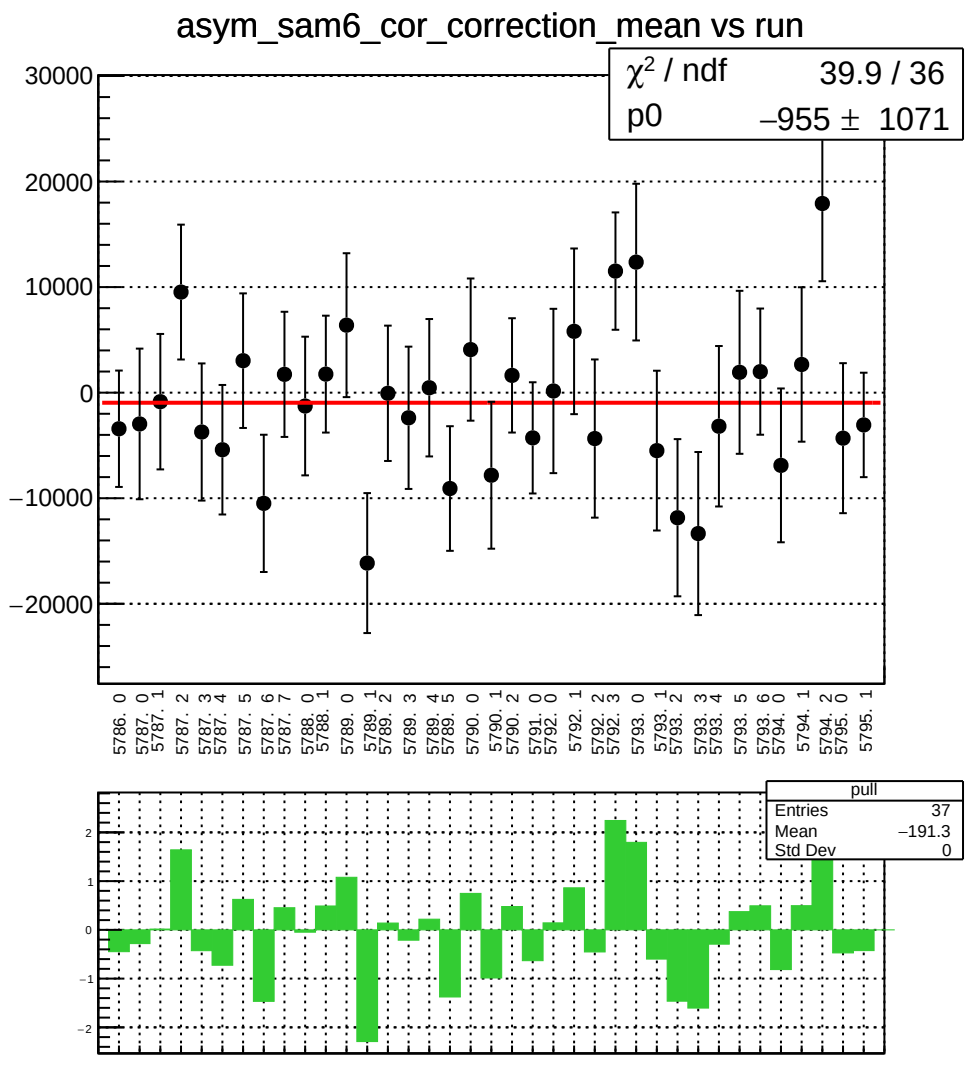

pull1D
Entries 37
Mean −0.004322
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

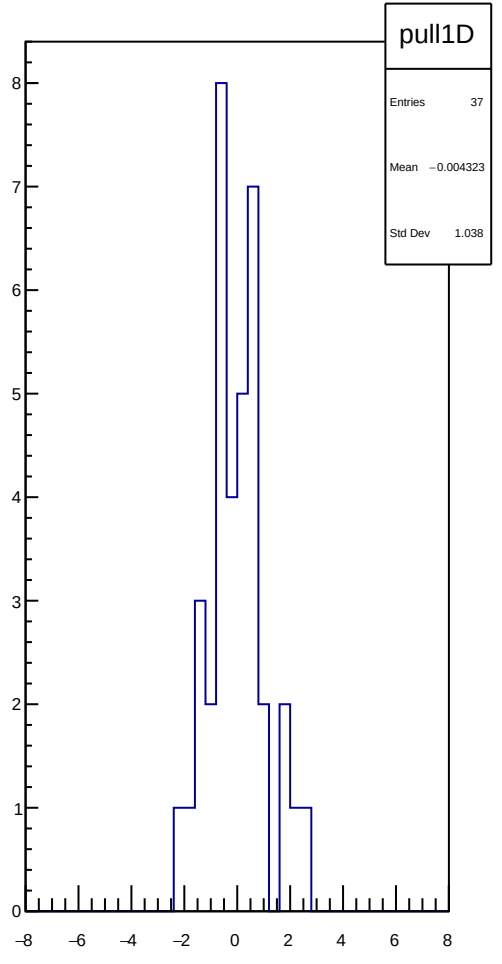

asym_sam6_reg_correction_rms vs run
χ² / ndf 5714 / 36
p0 654.6 ± 0.7572
900
850
800
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

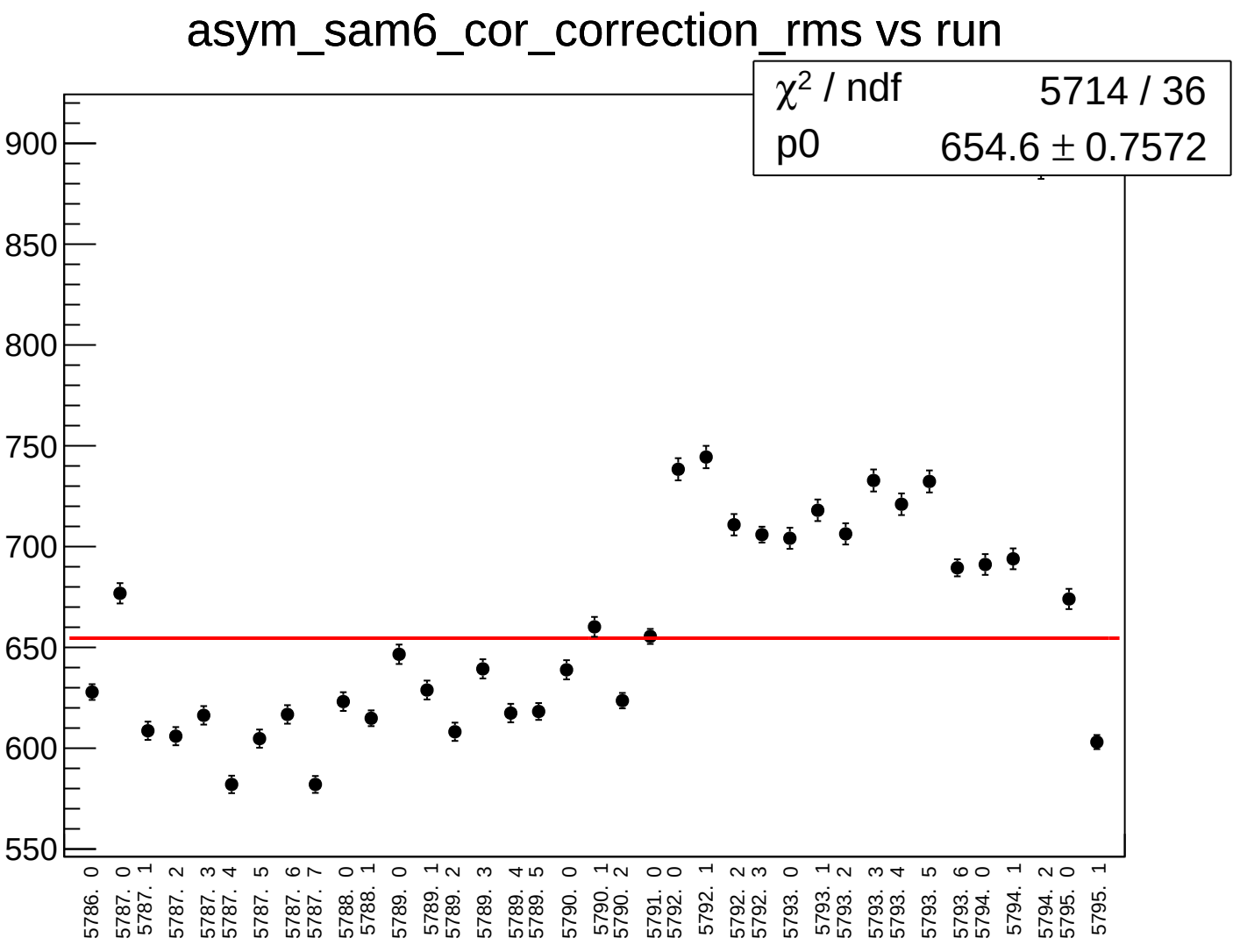

cor_asym_sam6_mean vs run
χ² / ndf 54.64 / 36
p0 149.1 ± 140.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 182.5
Std Dev 0
3
2
1
0
−1
−2

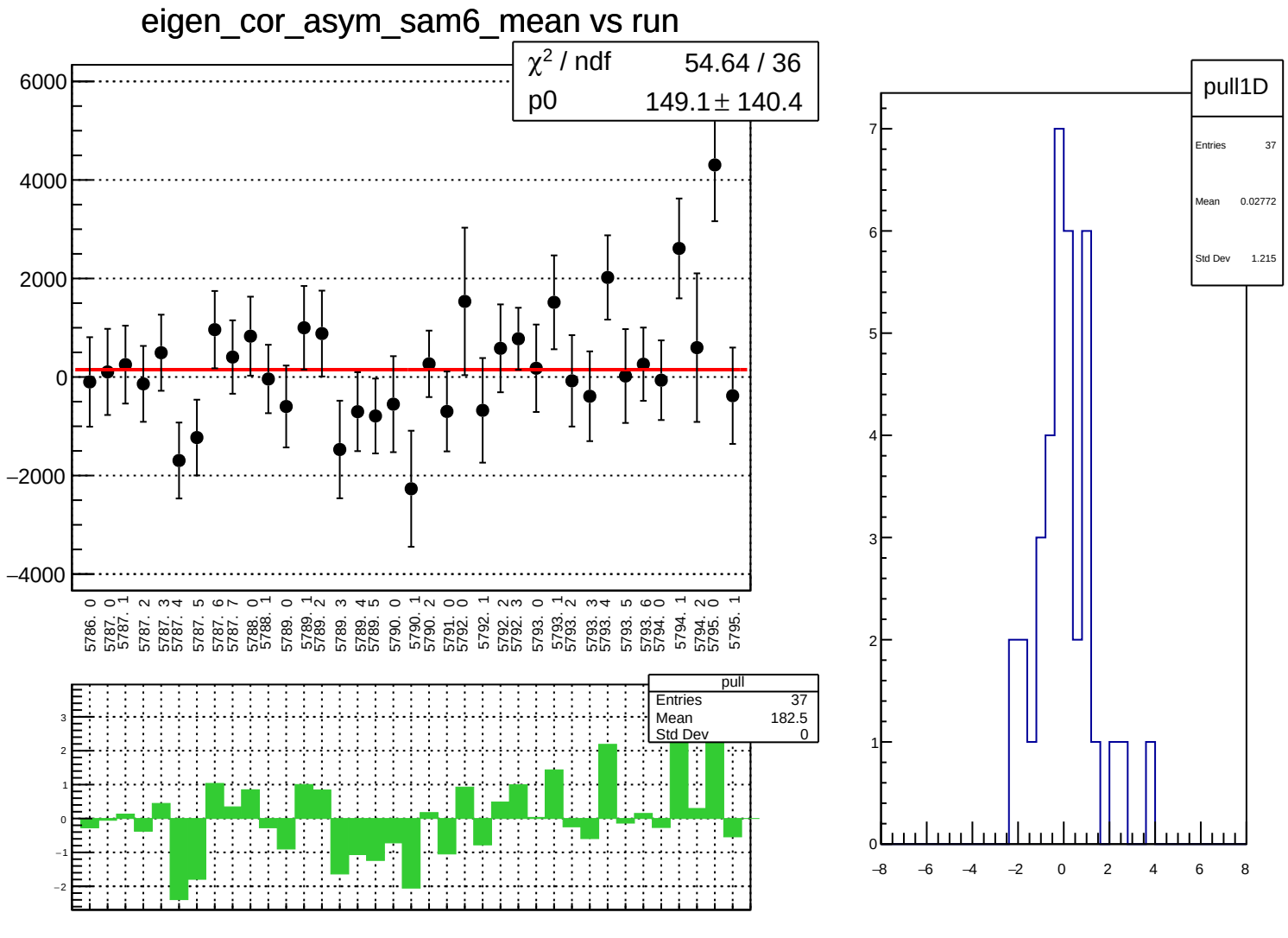

pull1D
Entries 37
Mean 0.02772
Std Dev 1.215
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

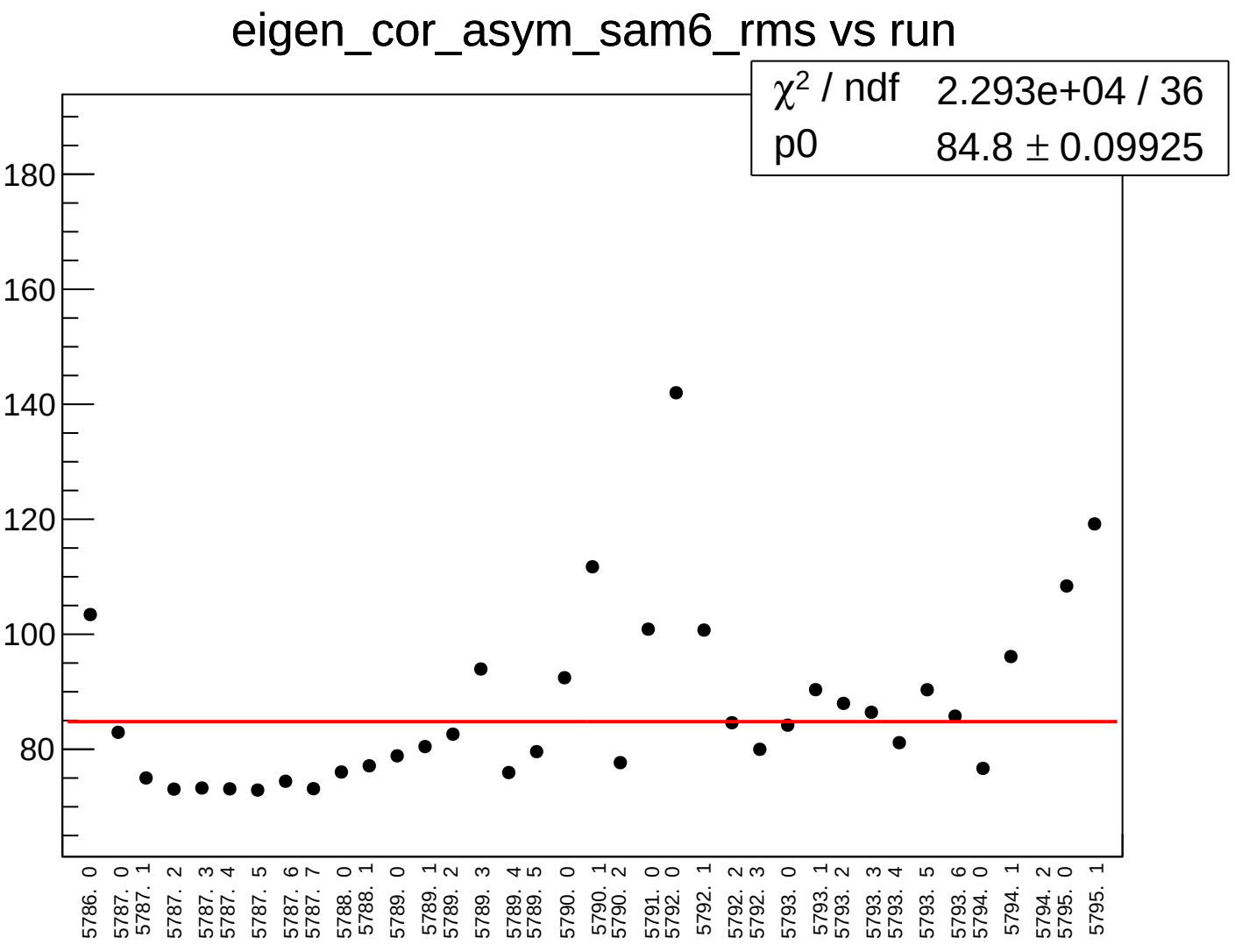

cor_asym_sam6_rms vs run
χ² / ndf 2.293e+04 / 36
p0 84.8 ± 0.09925
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam6_cor_correction_mean vs run
χ² / ndf 39.9 / 36
p0 −955 ± 1071
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −191.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.004323
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_cor_correction_rms vs run
χ² / ndf 5714 / 36
p0 654.6 ± 0.7572
900
850
800
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam6_mean vs run
χ² / ndf 54.64 / 36
p0 149.1 ± 140.4
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 182.5
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02772
Std Dev 1.215
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam6_rms vs run
χ² / ndf 2.293e+04 / 36
p0 84.8 ± 0.09925
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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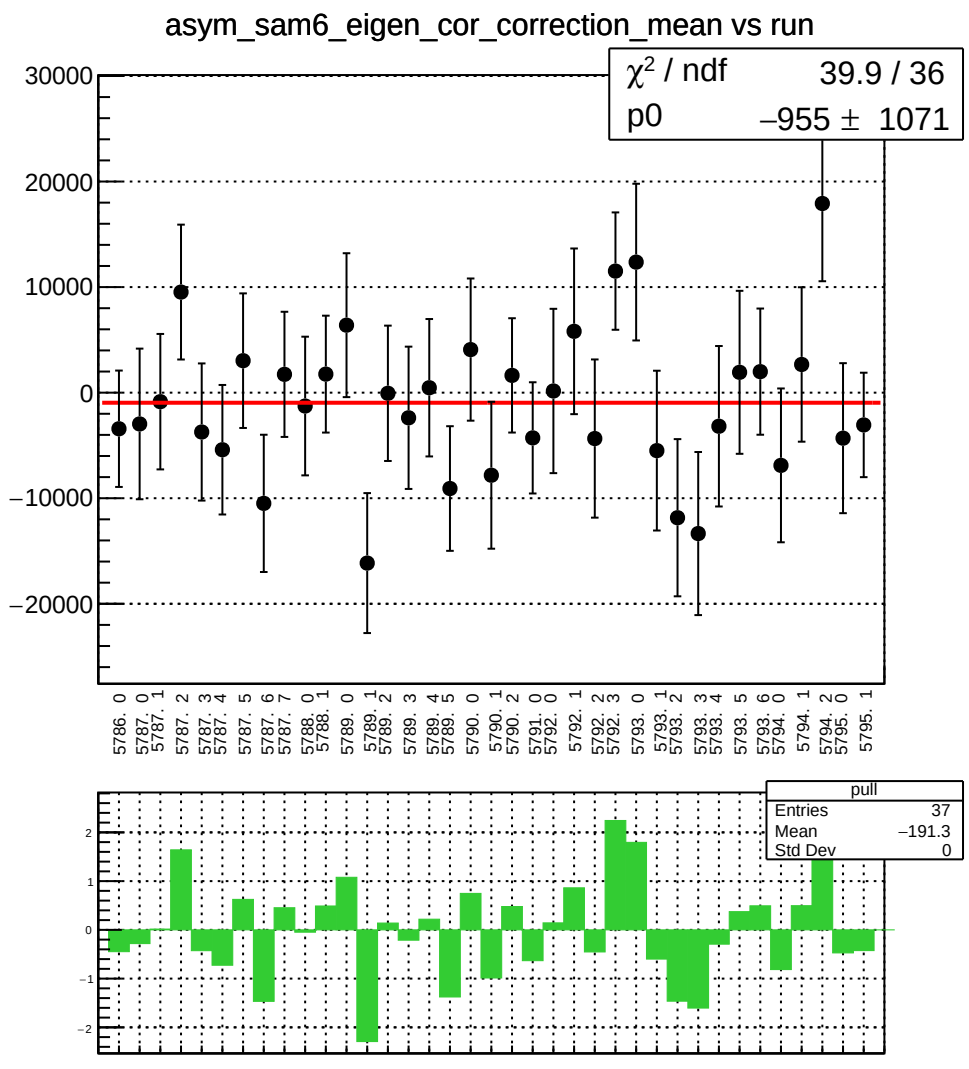
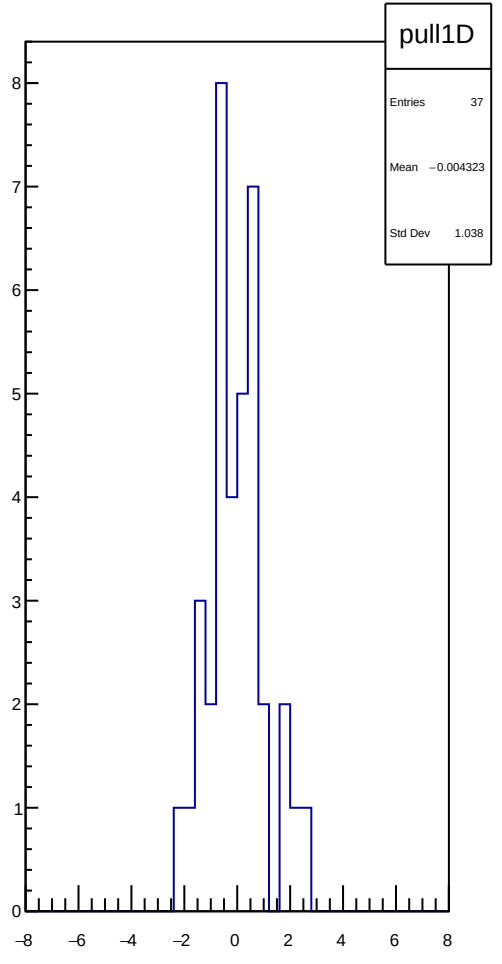
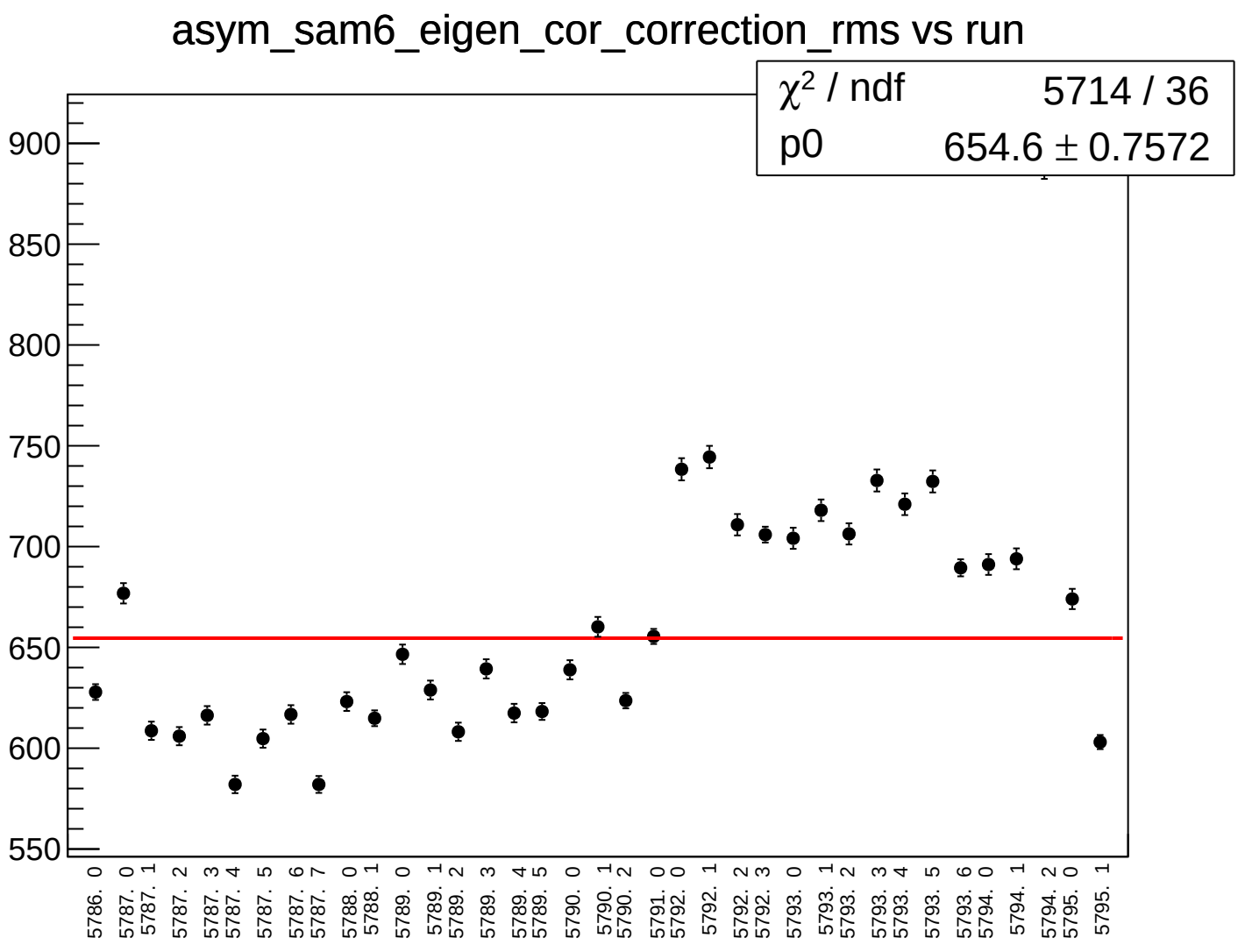
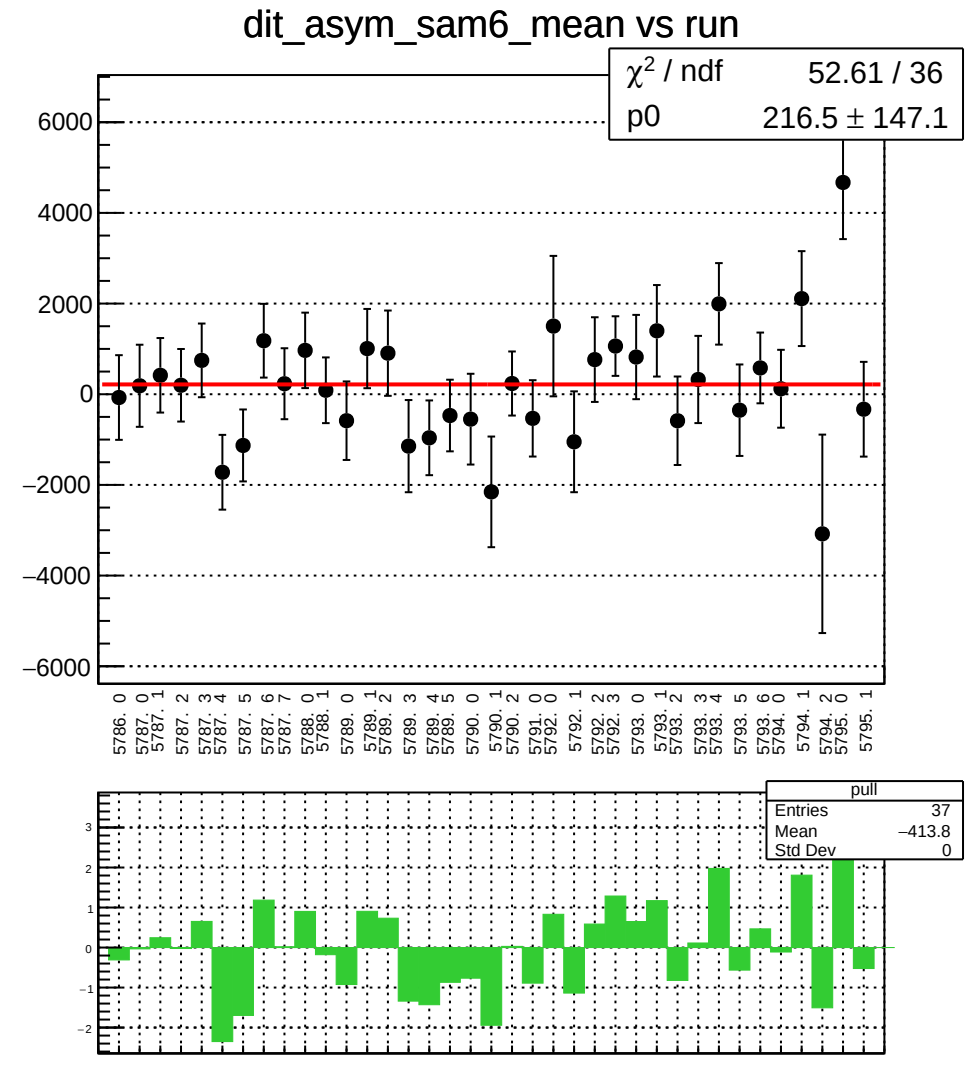
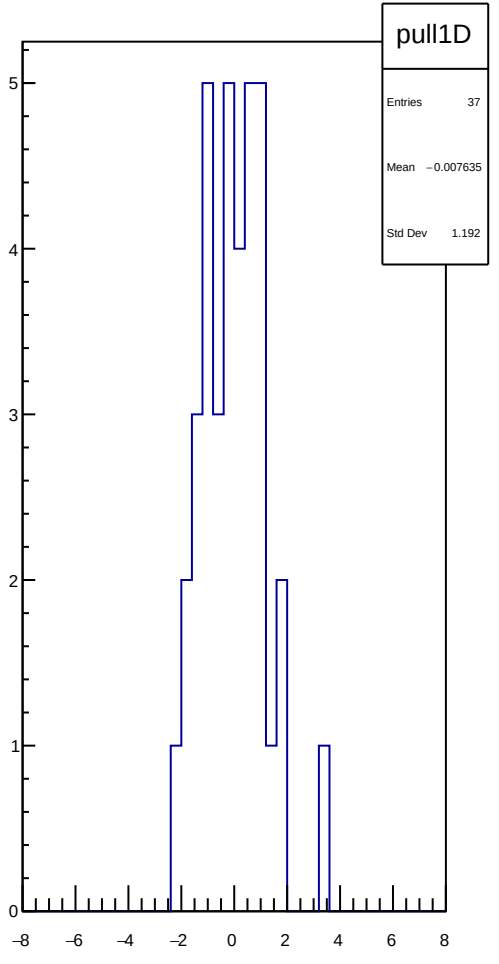
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

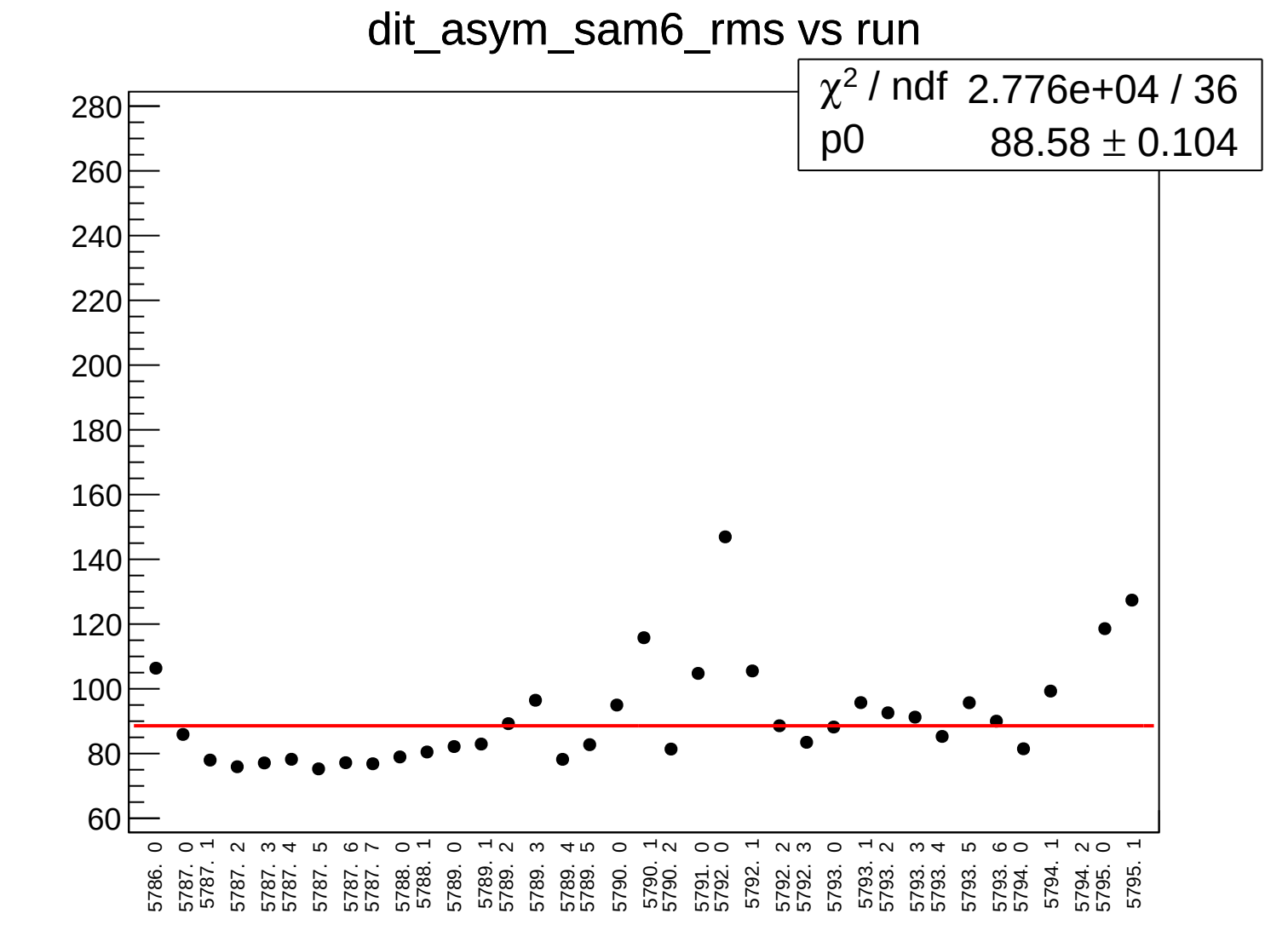

asym_sam6_eigen_cor_correction_mean vs run
χ² / ndf 39.9 / 36
p0 −955 ± 1071
30000
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −191.3
Std Dev 0
2
1
0
−1
−2

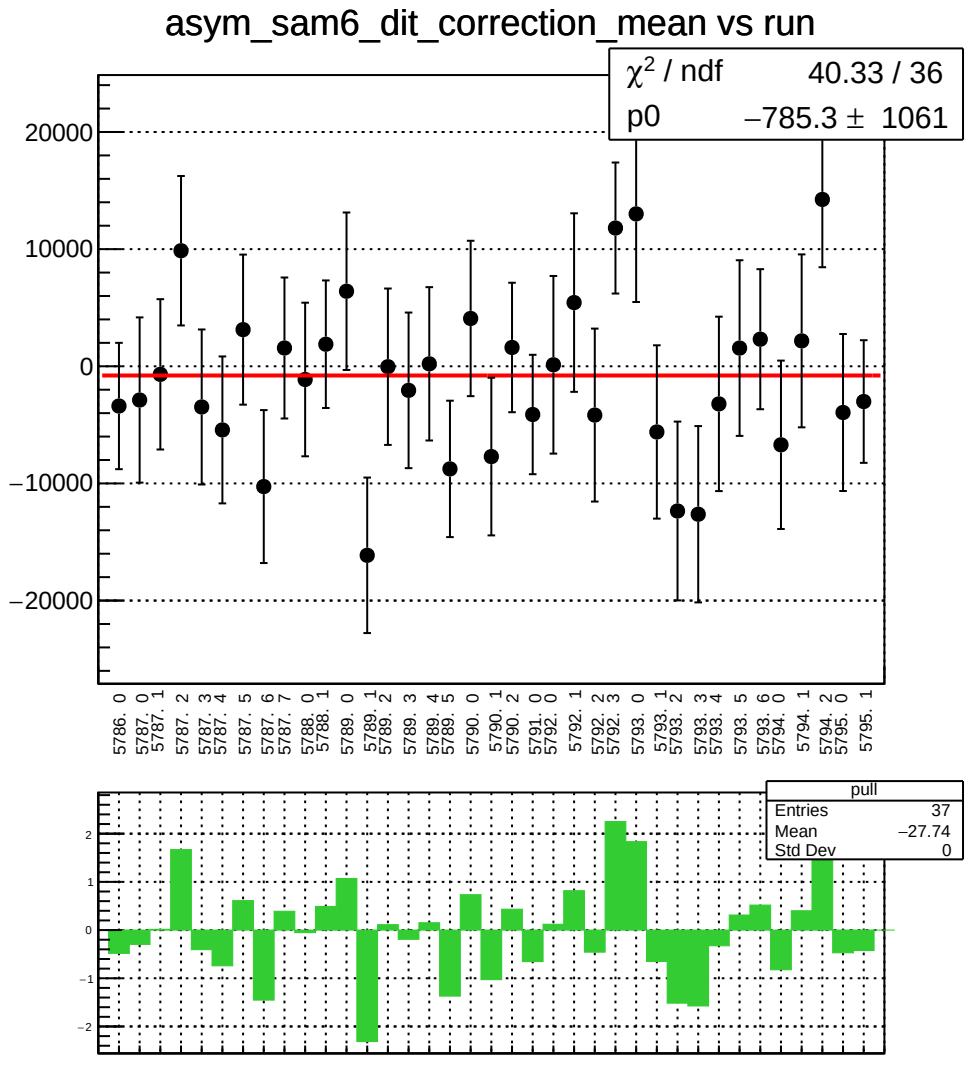

pull1D
Entries 37
Mean −0.004323
Std Dev 1.038
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

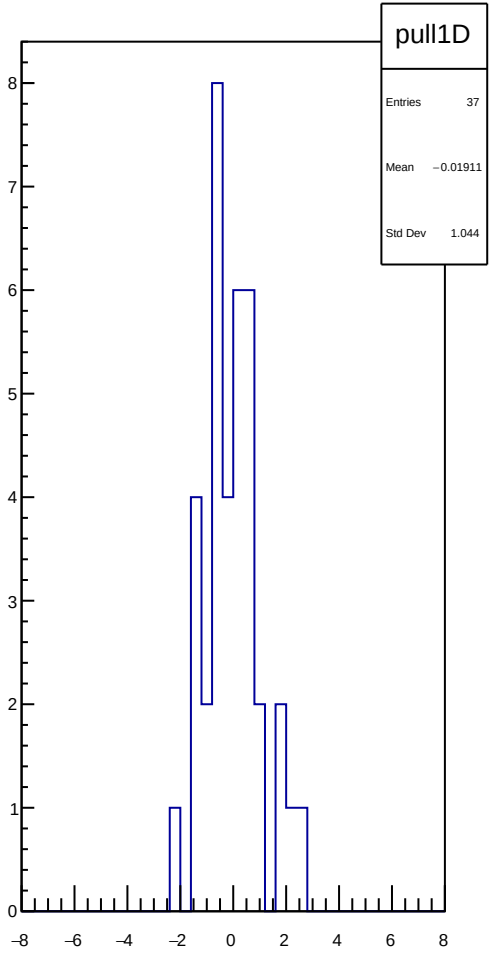

asym_sam6_eigen_cor_correction_rms vs run
χ² / ndf 5714 / 36
p0 654.6 ± 0.7572
900
850
800
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

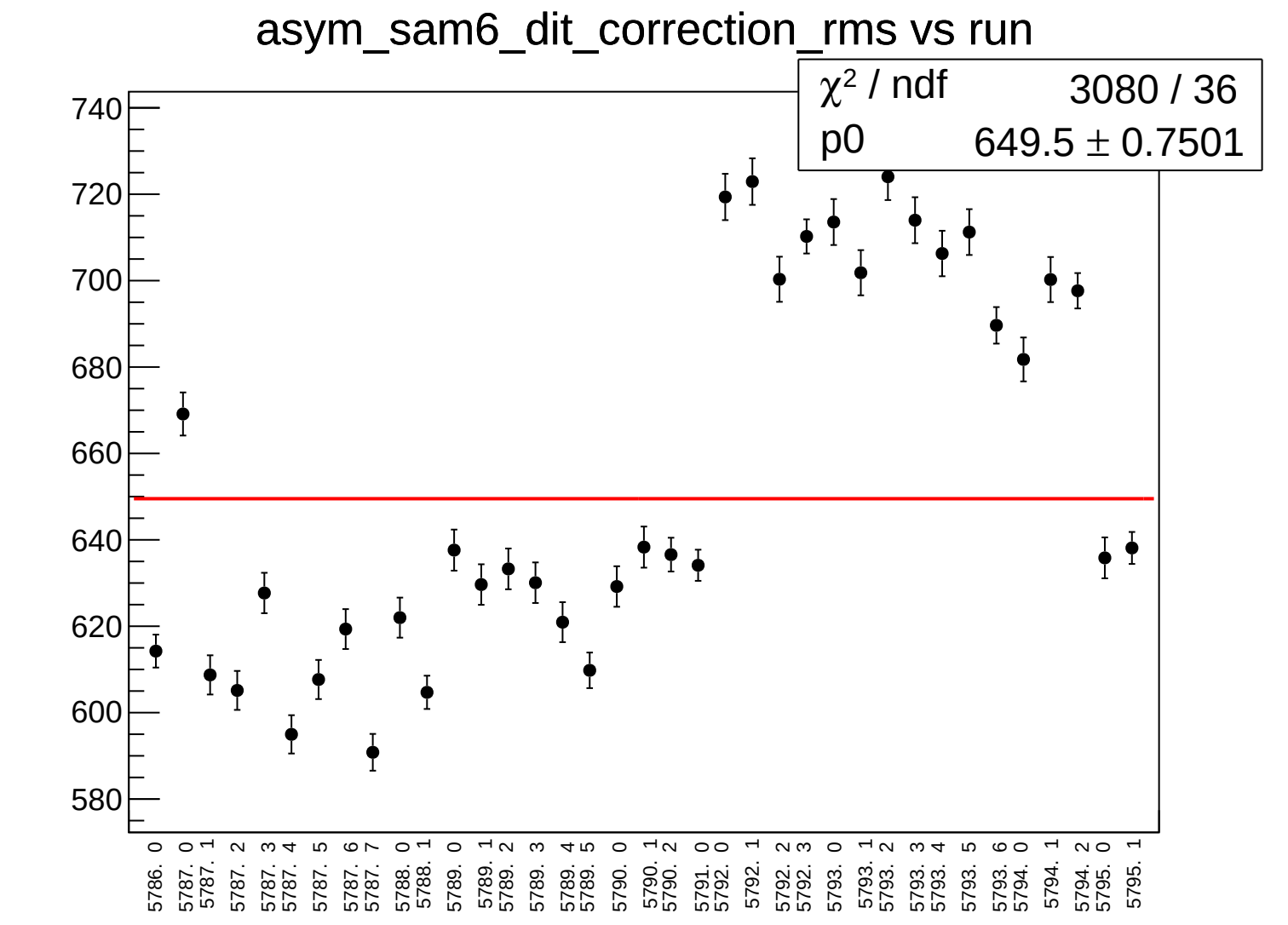

dit_asym_sam6_mean vs run
χ² / ndf 52.61 / 36
p0 216.5 ± 147.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −413.8
Std Dev 0
3
2
1
0
−1
−2

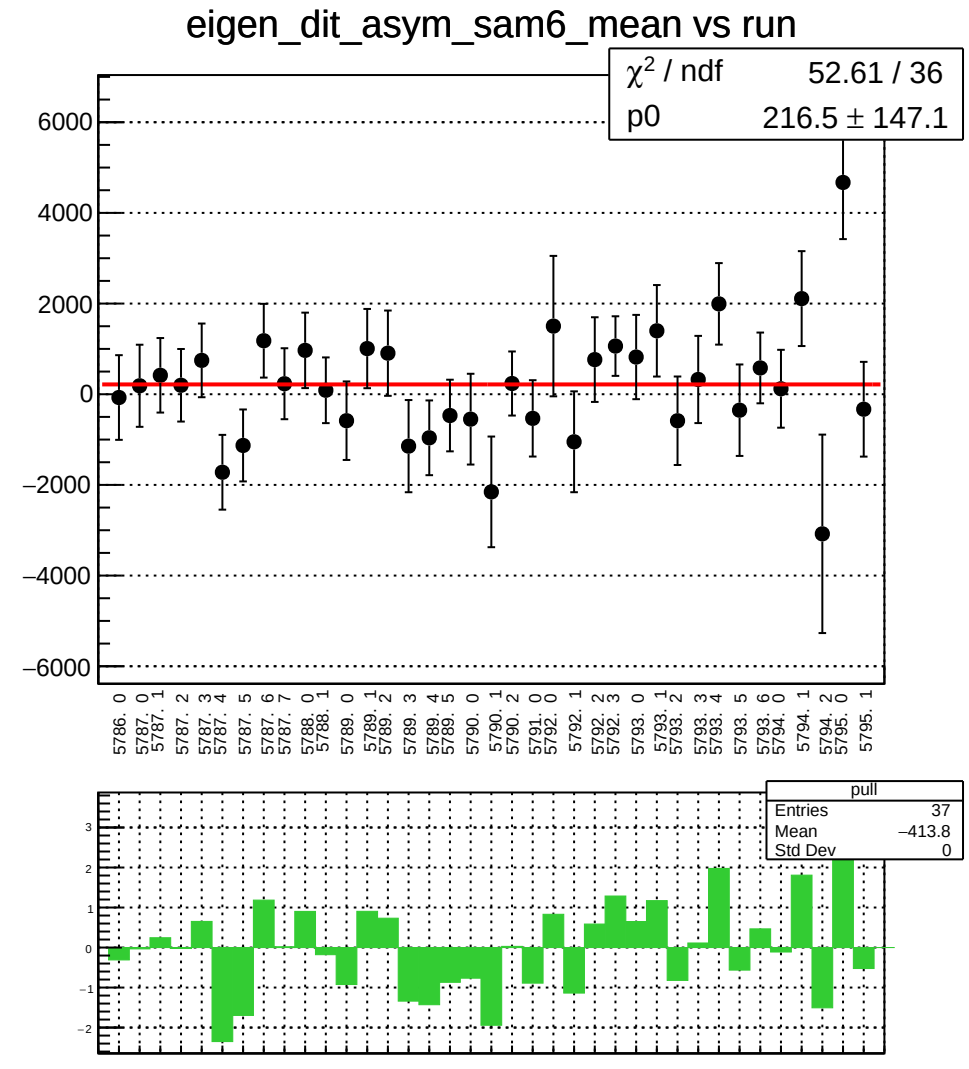

pull1D
Entries 37
Mean −0.007635
Std Dev 1.192
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

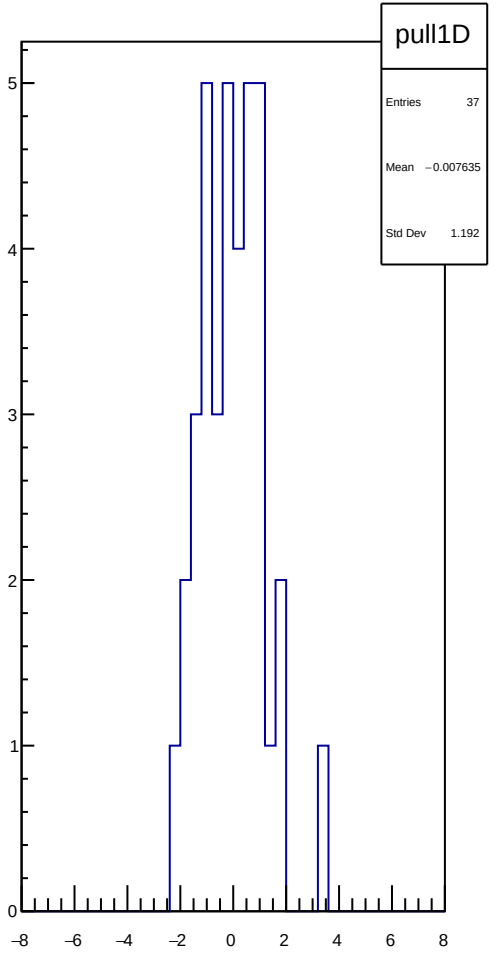

dit_asym_sam6_rms vs run
χ^2 / ndf 2.776e+04 / 36
p0 88.58 ± 0.104
280
260
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

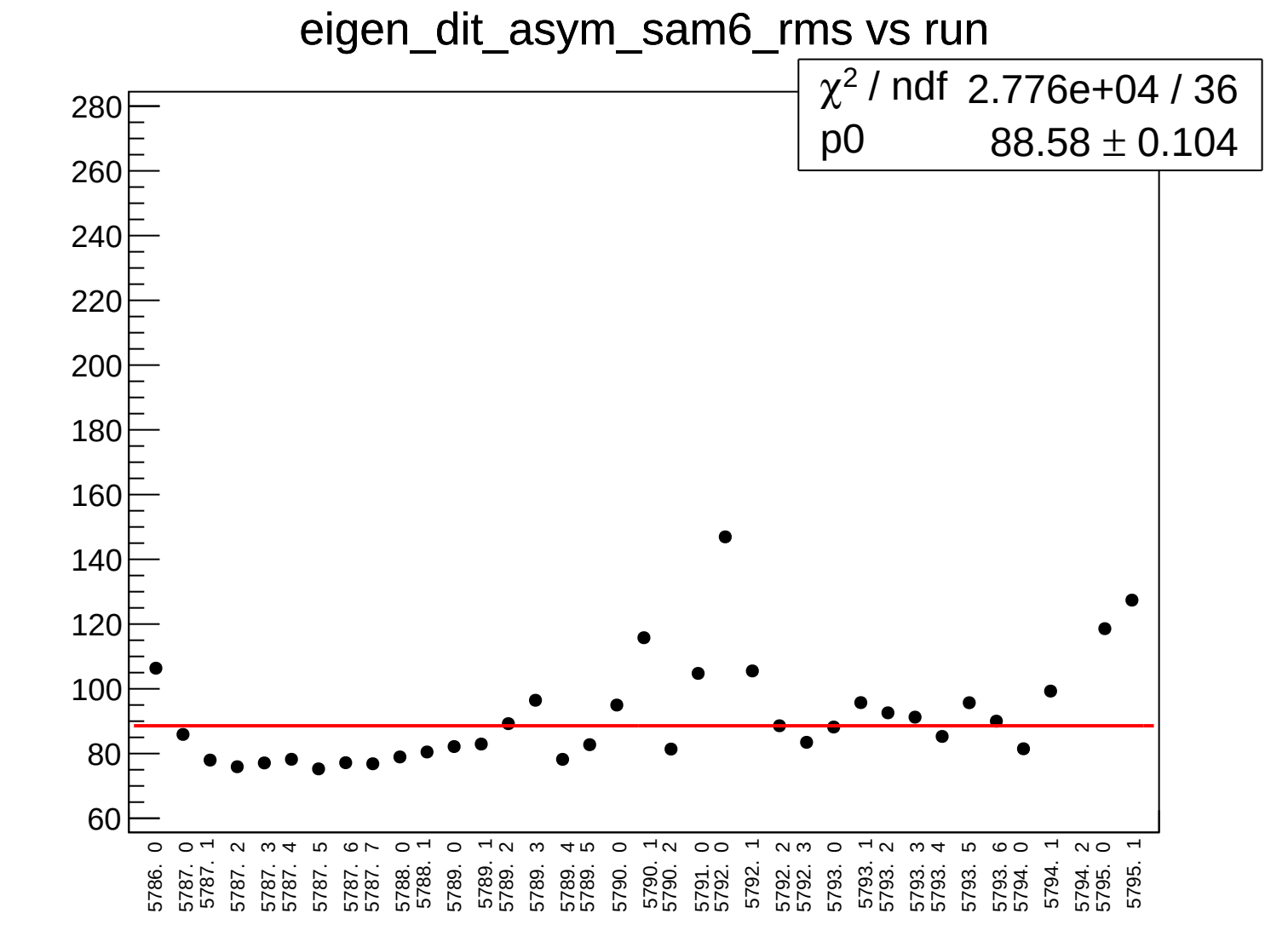

asym_sam6_dit_correction_mean vs run
χ² / ndf 40.33 / 36
p0 −785.3 ± 1061
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −27.74
Std Dev 0
2
1
0
−1
−2

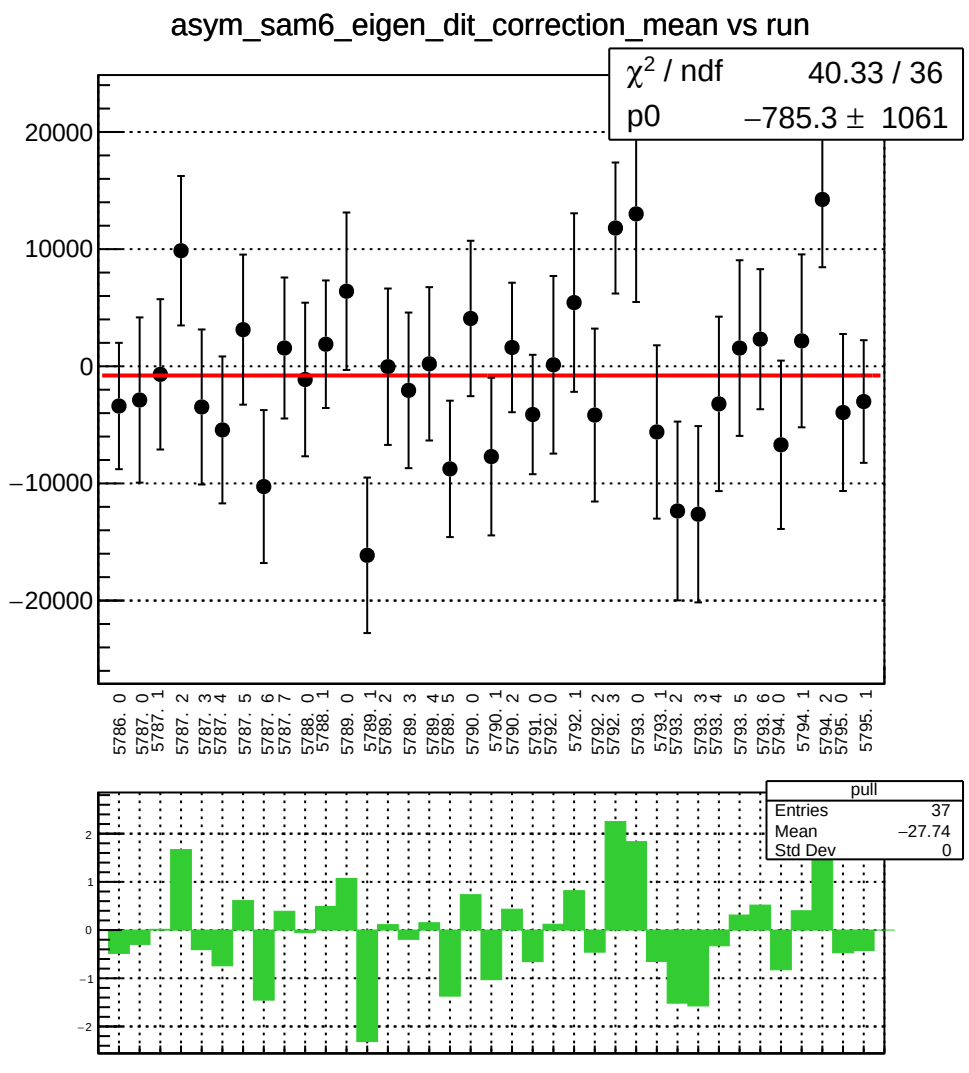

pull1D
Entries 37
Mean −0.01911
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

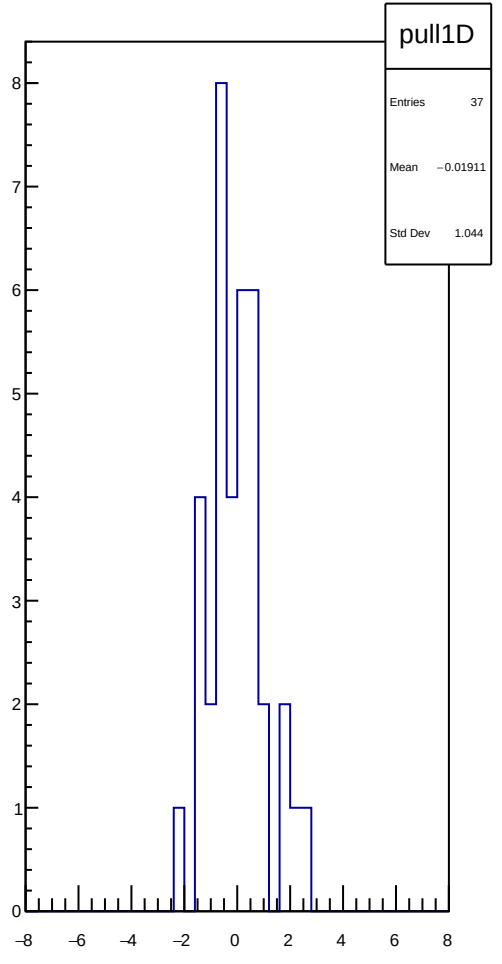

asym_sam6_dit_correction_rms vs run
χ² / ndf 3080 / 36
p0 649.5 ± 0.7501
740
720
700
680
660
640
620
600
580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

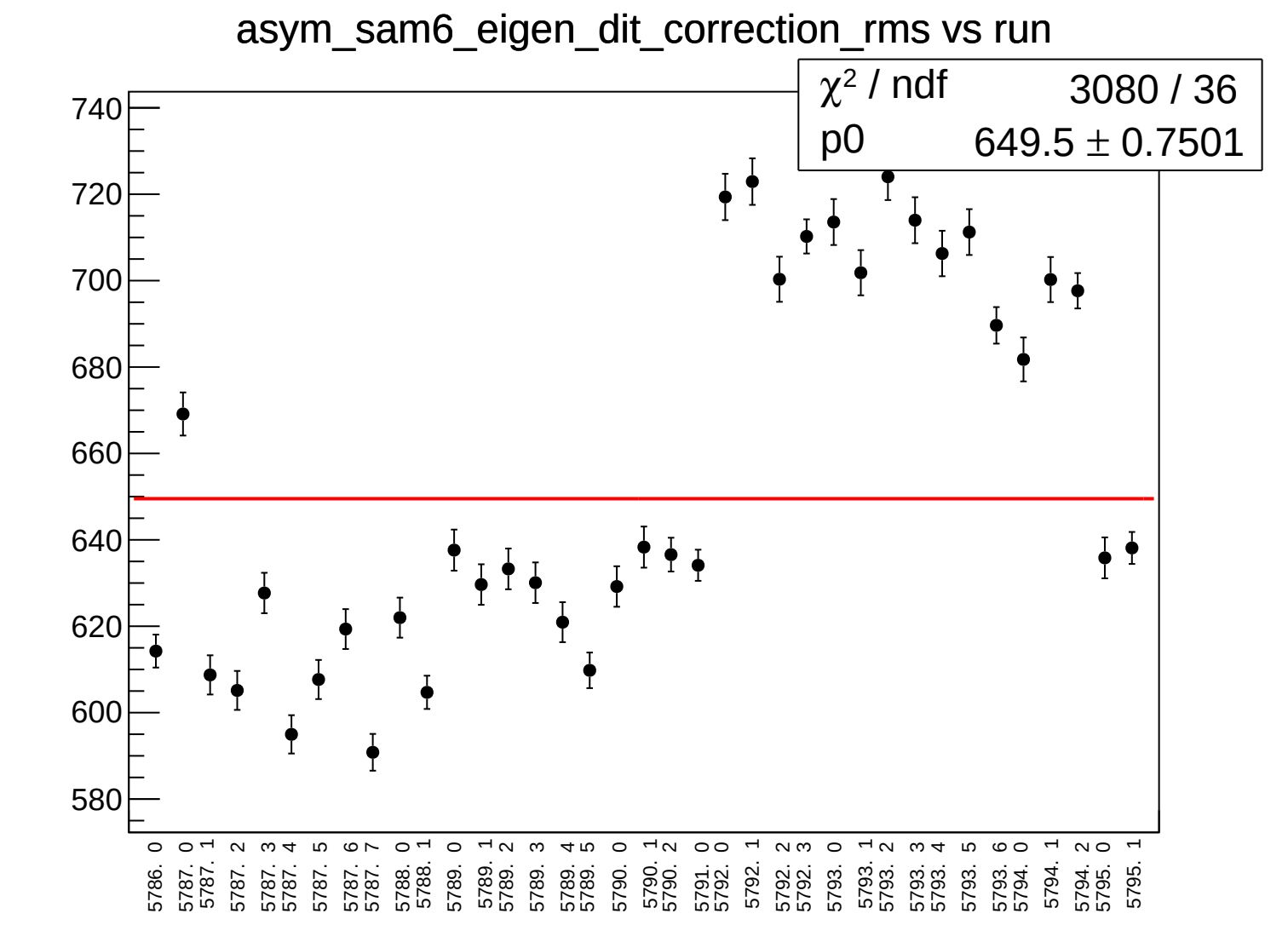

eigen_dit_asym_sam6_mean vs run
χ² / ndf 52.61 / 36
p0 216.5 ± 147.1
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −413.8
Std Dev 0
3
2
1
0
−1
−2

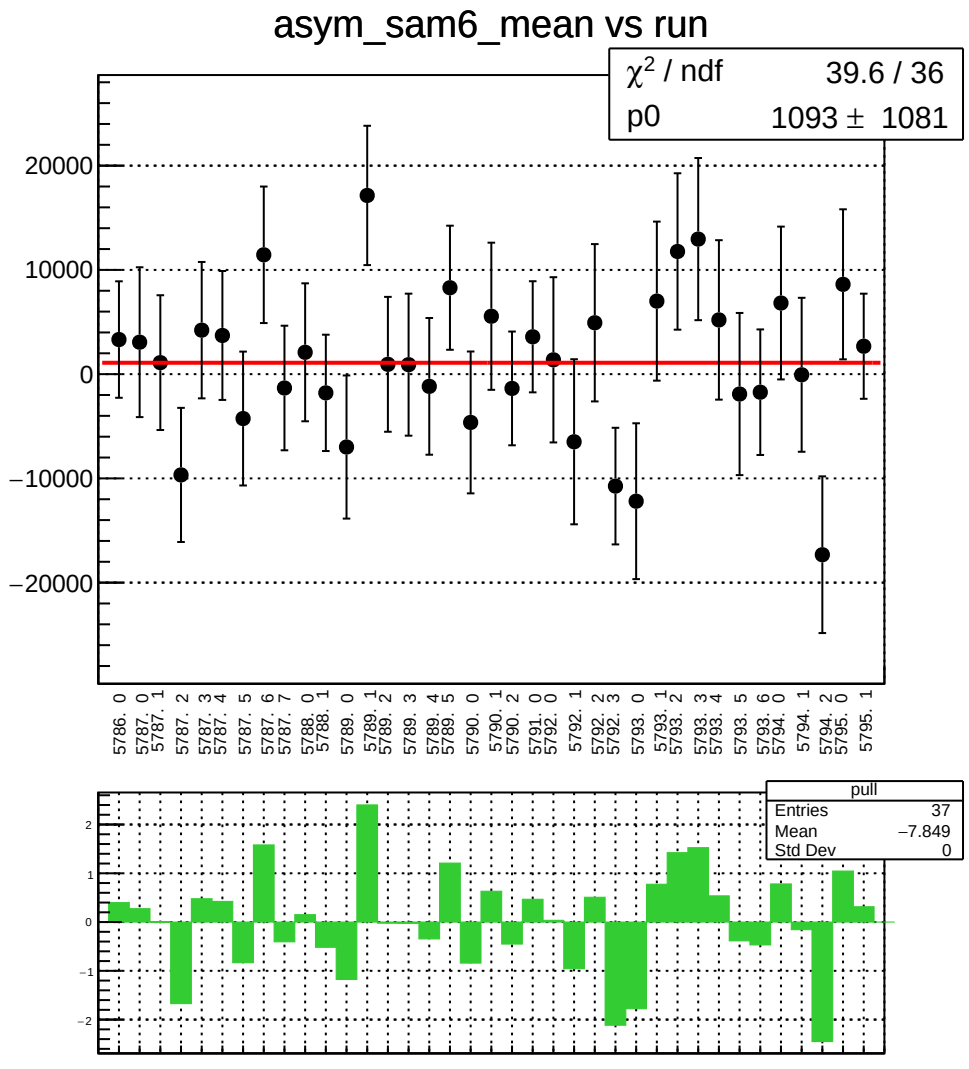

pull1D
Entries 37
Mean −0.007635
Std Dev 1.192
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

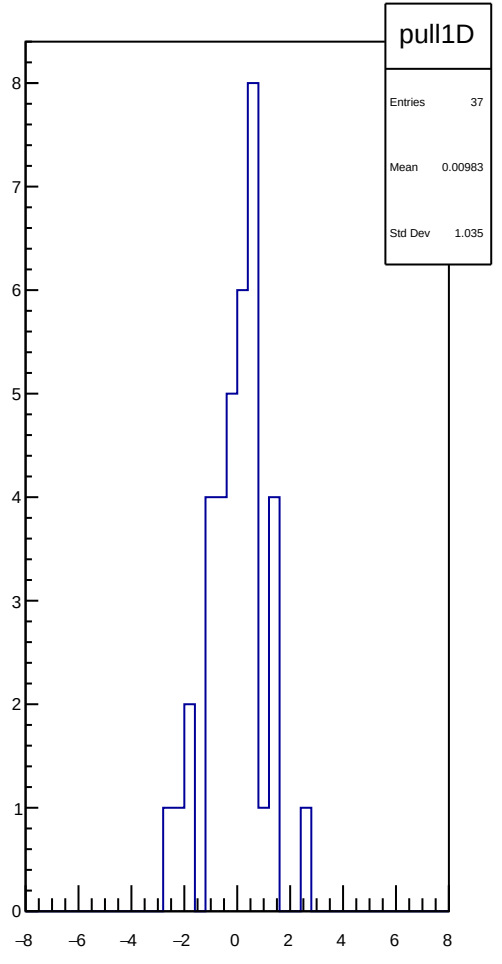

eigen_dit_asym_sam6_rms vs run
χ² / ndf 2.776e+04 / 36
p0 88.58 ± 0.104
280
260
240
220
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

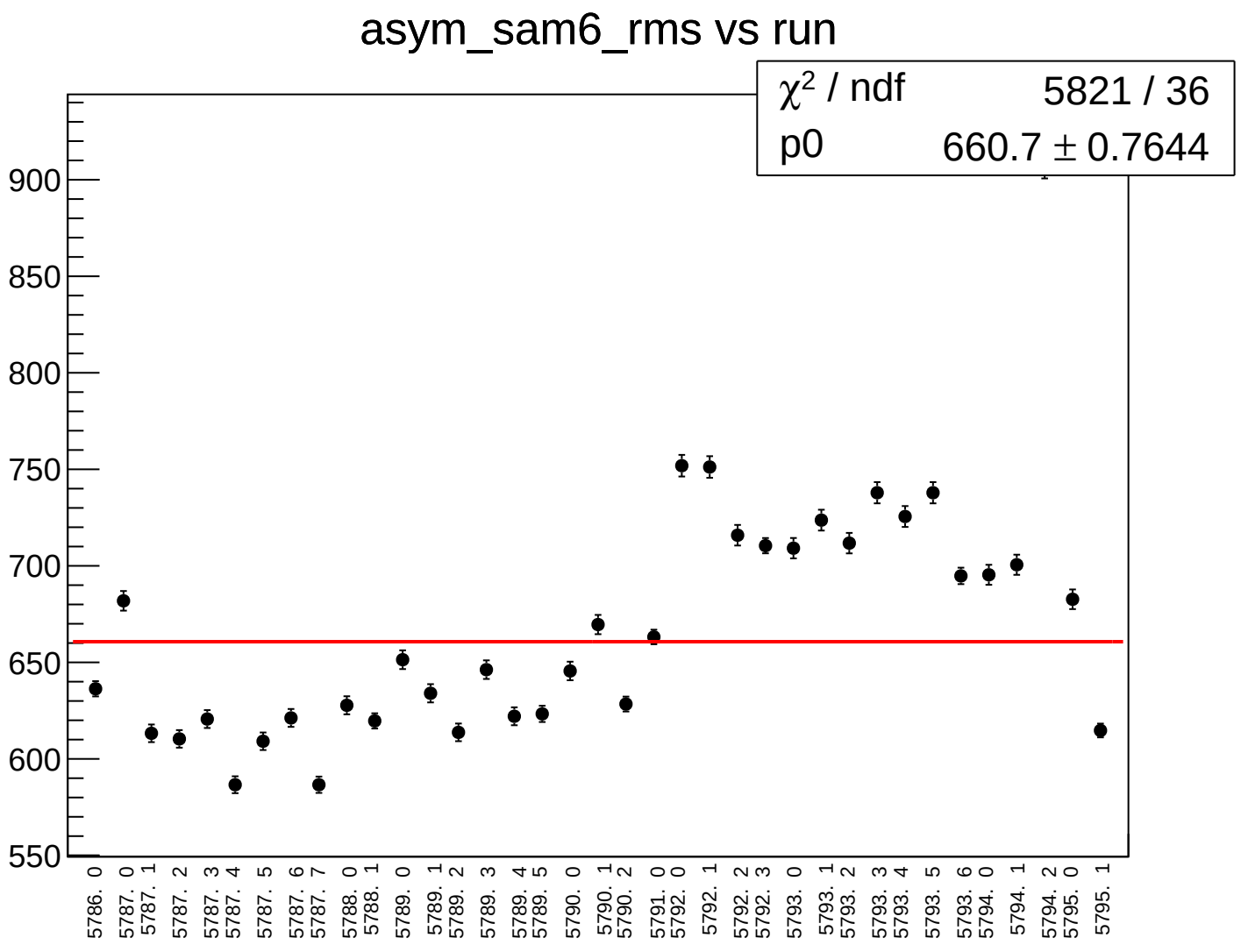

asym_sam6_eigen_dit_correction_mean vs run
χ² / ndf 40.33 / 36
p0 −785.3 ± 1061
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −27.74
Std Dev 0
2
1
0
−1
−2

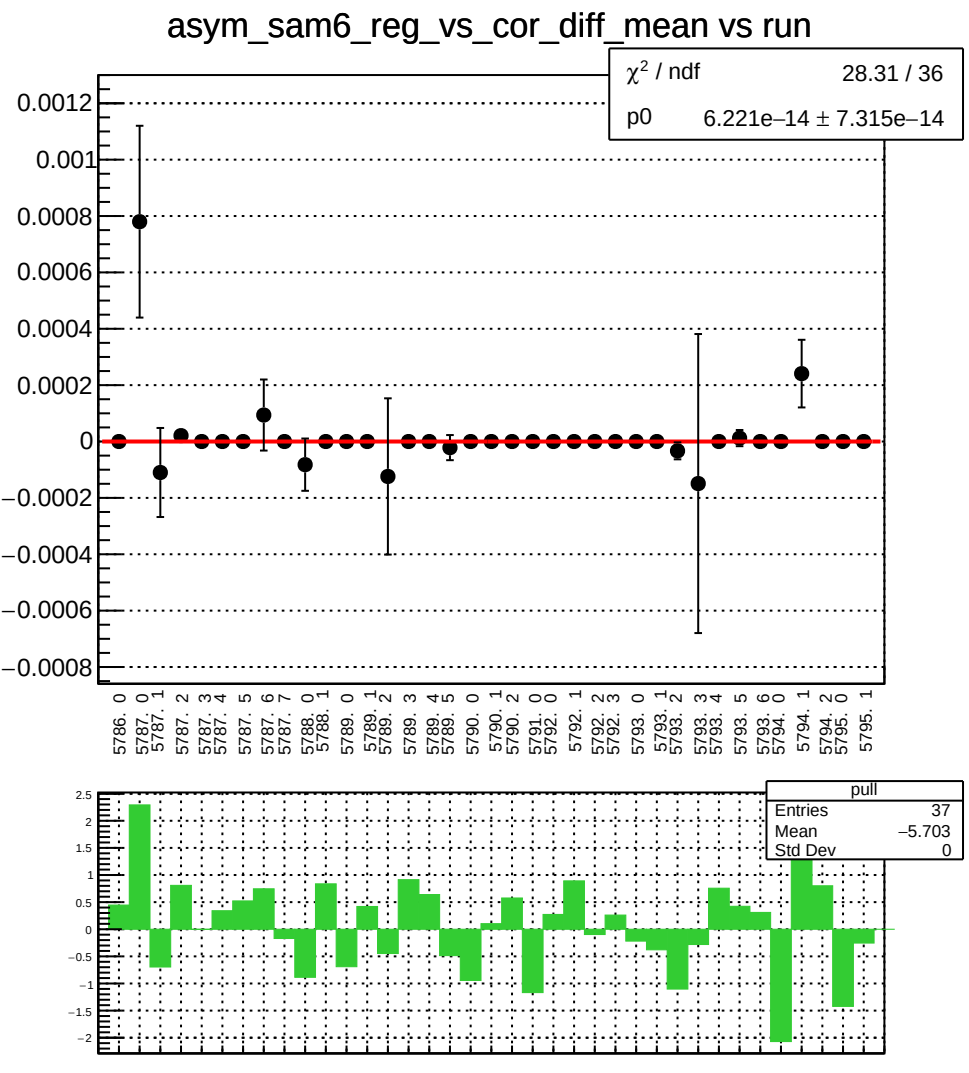

pull1D
Entries 37
Mean −0.01911
Std Dev 1.044
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

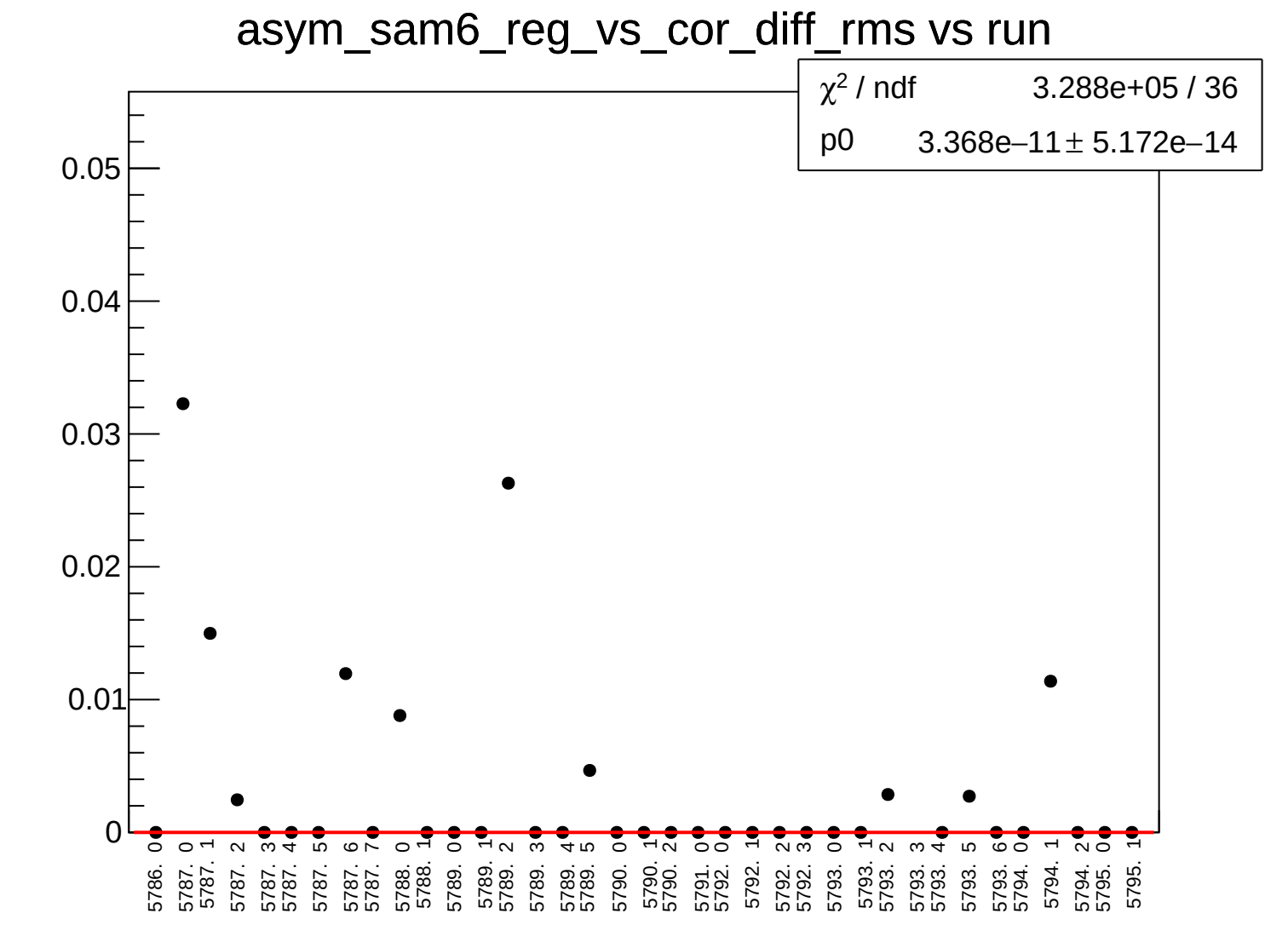

asym_sam6_eigen_dit_correction_rms vs run
χ² / ndf 3080 / 36
p0 649.5 ± 0.7501
740
720
700
680
660
640
620
600
580
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam6_mean vs run
χ² / ndf 39.6 / 36
p0 1093 ± 1081
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.849
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.00983
Std Dev 1.035
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam6_rms vs run
χ² / ndf 5821 / 36
p0 660.7 ± 0.7644
900
850
800
750
700
650
600
550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam6_reg_vs_cor_diff_mean vs run
χ² / ndf 28.31 / 36
p0 6.221e−14 ± 7.315e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.703
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.08259
Std Dev 0.8708
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 3.288e+05 / 36
p0 3.368e−11 ± 5.172e−14
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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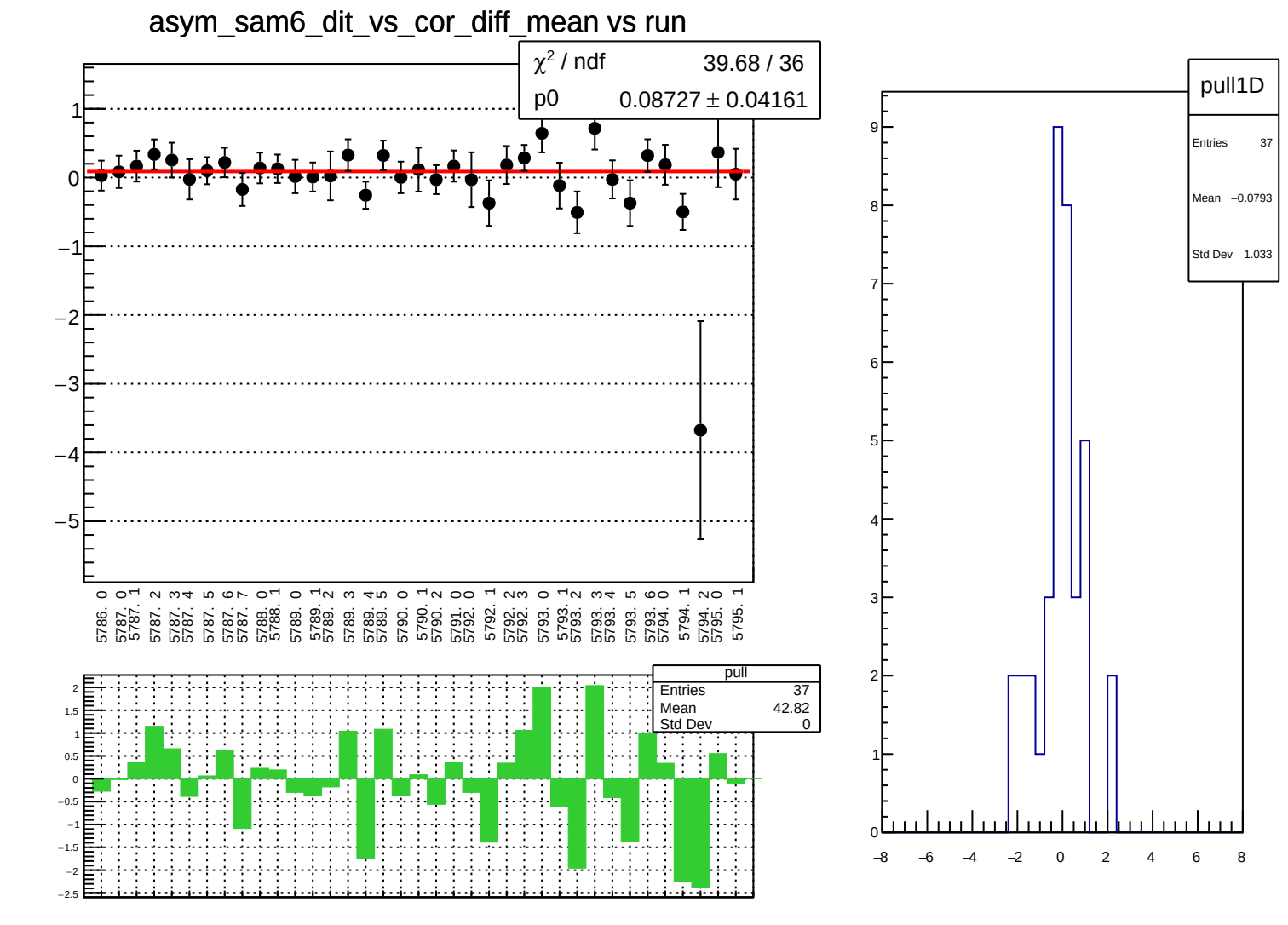
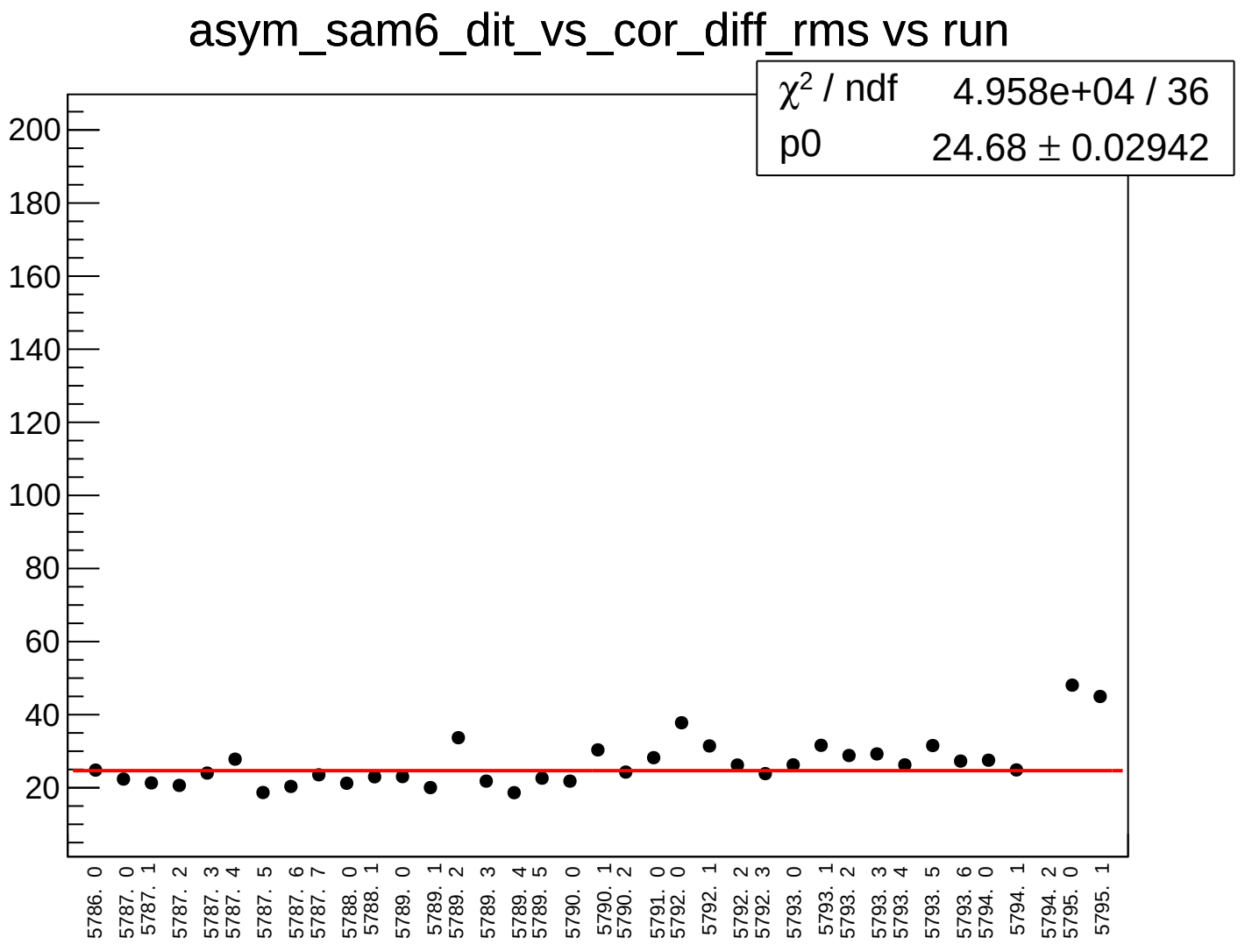
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam6_dit_vs_cor_diff_mean vs run
χ² / ndf 39.68 / 36
p0 0.08727 ± 0.04161
pull
Entries 37
Mean 42.82
Std Dev 0
pull1D
Entries 37
Mean −0.0793
Std Dev 1.033


asym_sam6_dit_vs_cor_diff_rms vs run
χ² / ndf 4.958e+04 / 36
p0 24.68 ± 0.02942
200
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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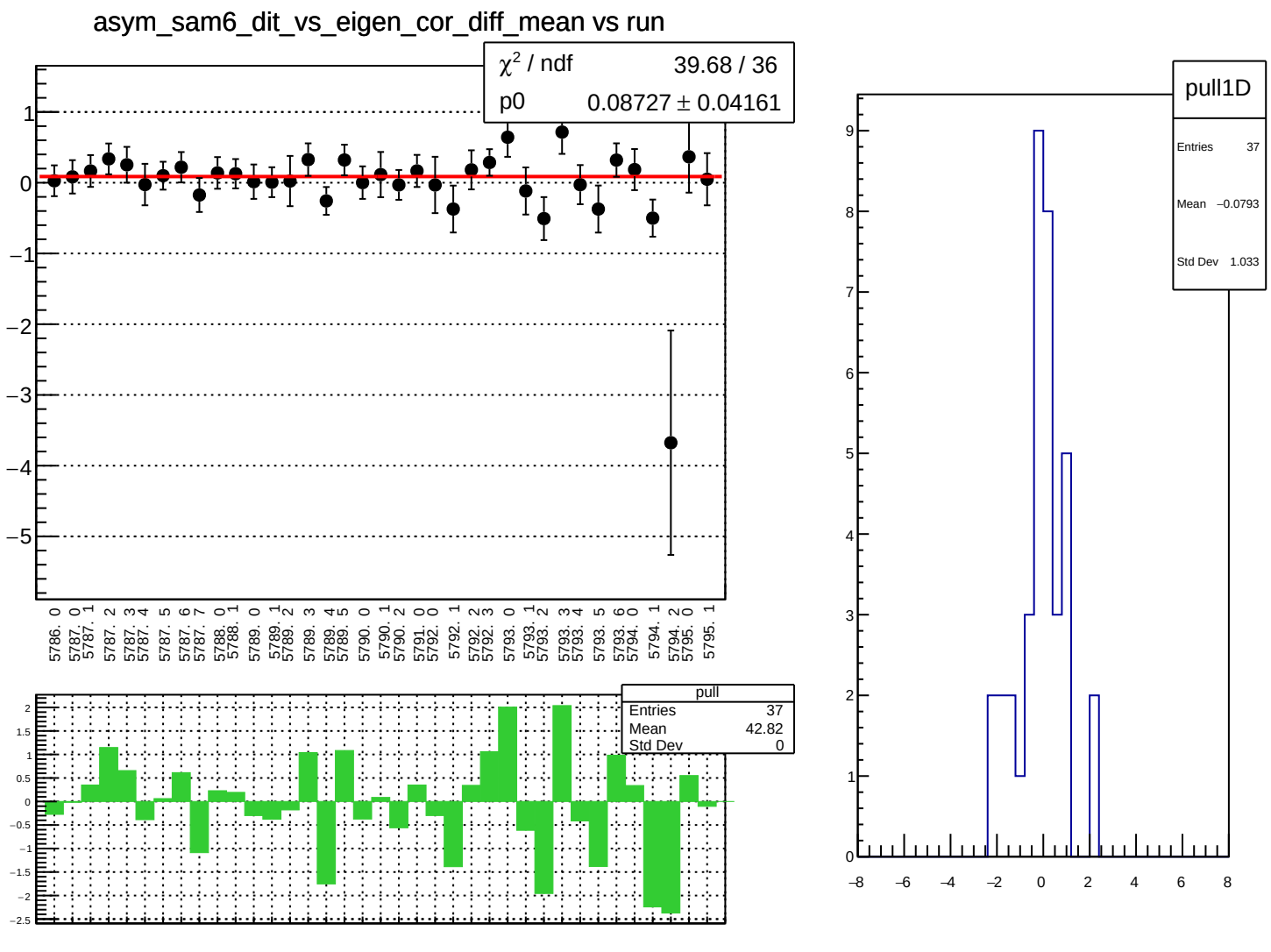
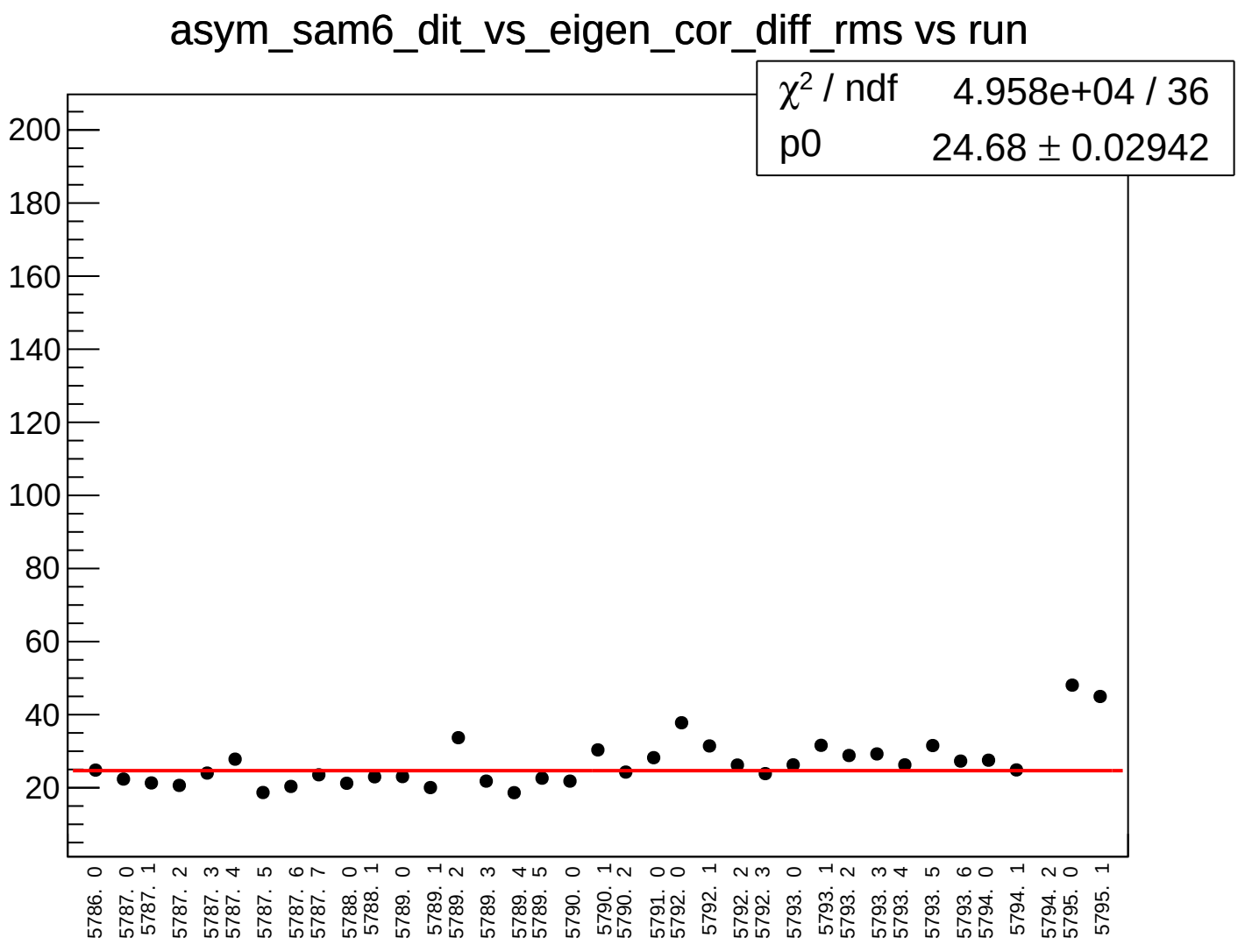
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam6_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.68 / 36
p0 0.08727 ± 0.04161
pull
Entries 37
Mean 42.82
Std Dev 0
pull1D
Entries 37
Mean −0.0793
Std Dev 1.033


asym_sam6_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.958e+04 / 36
p0 24.68 ± 0.02942
200
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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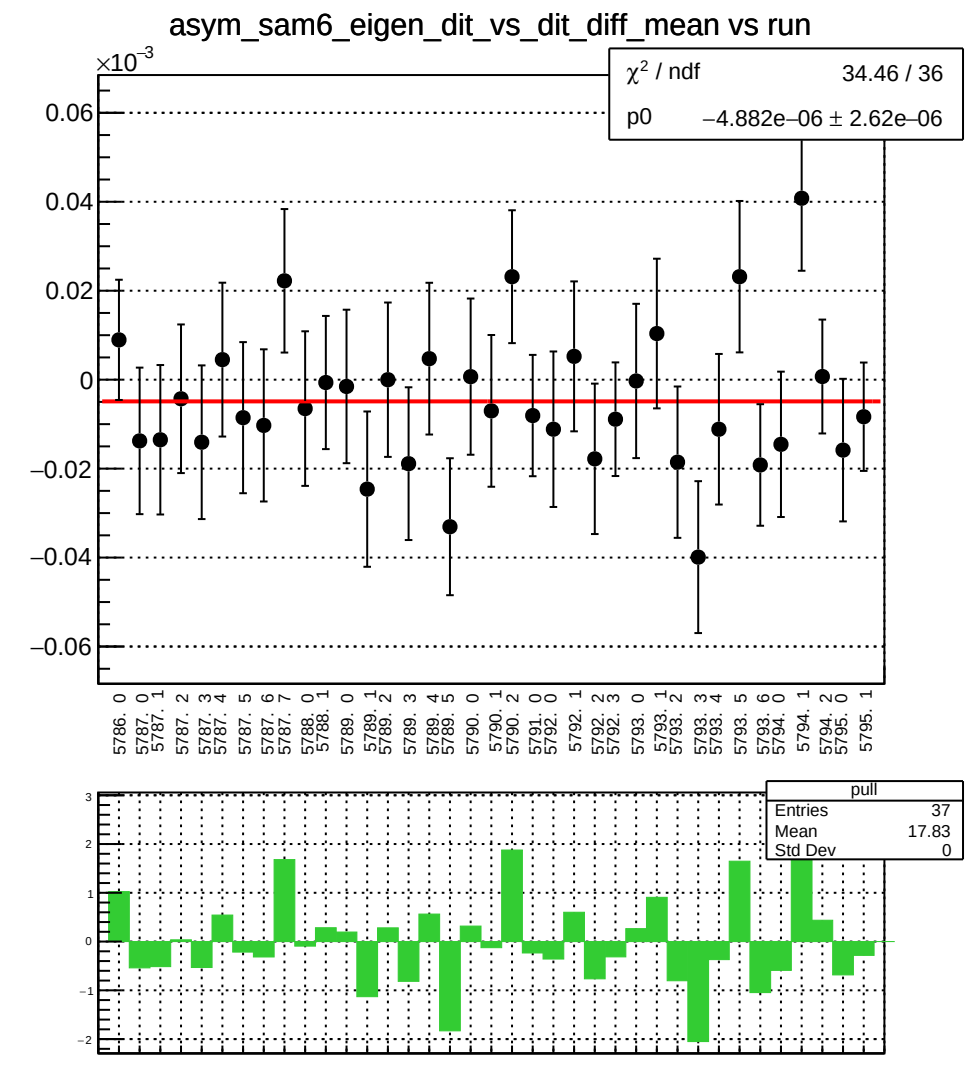
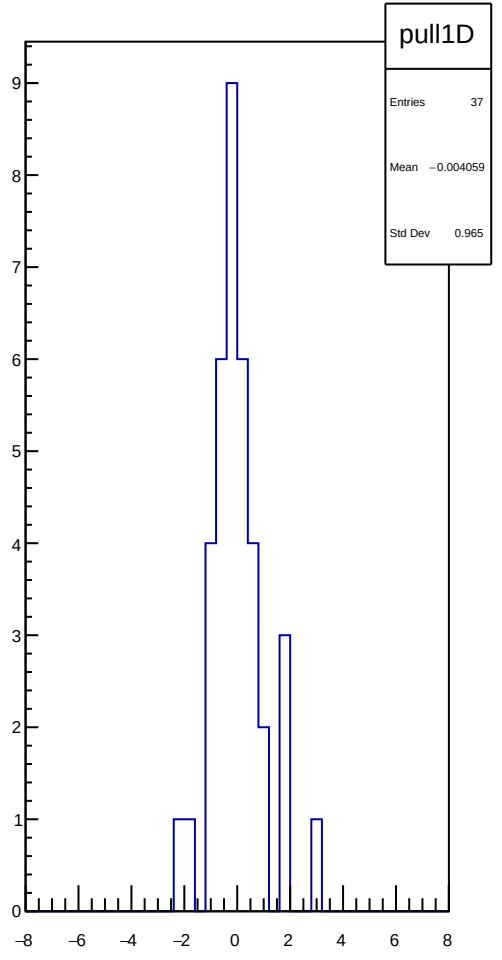
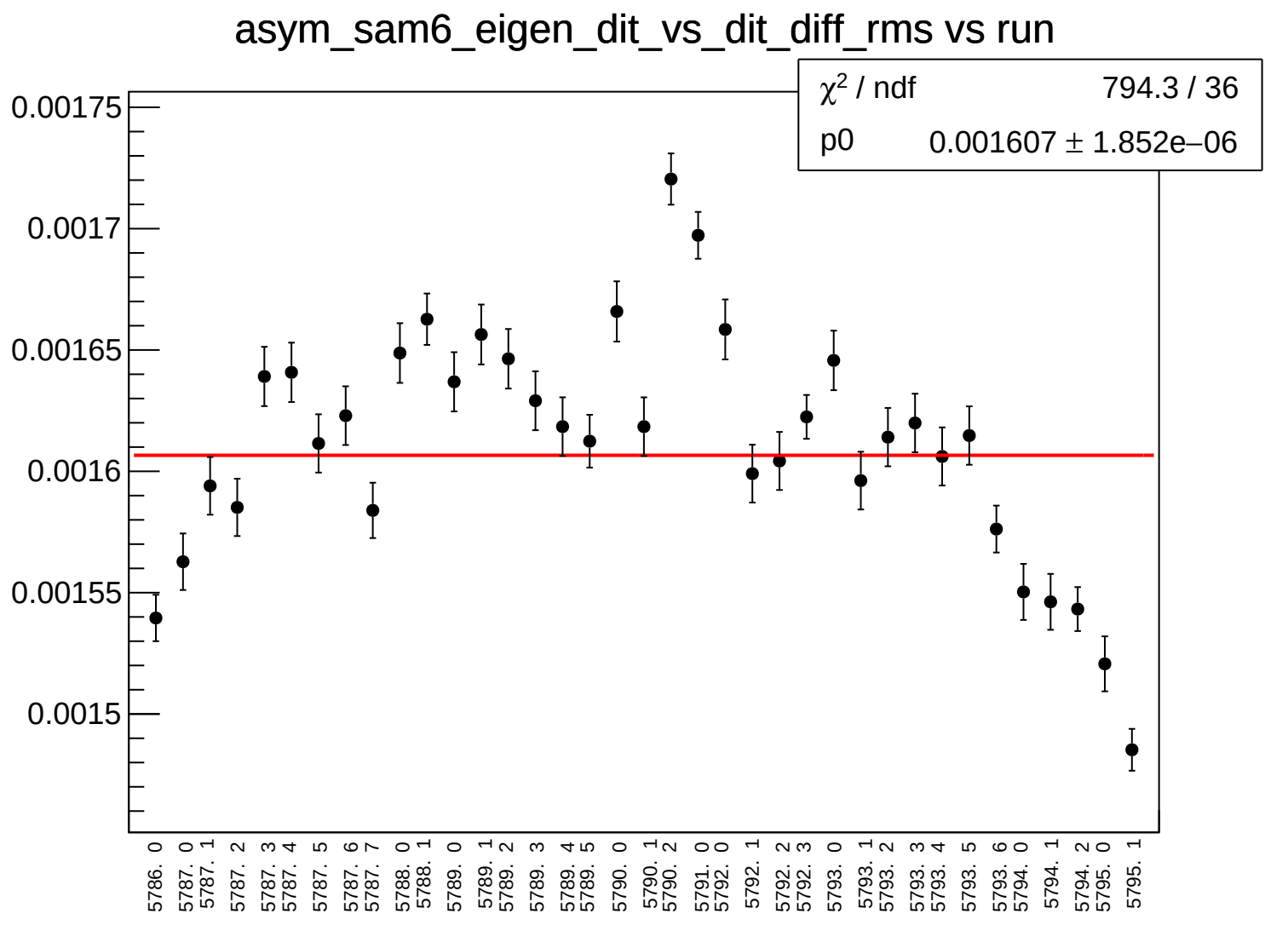
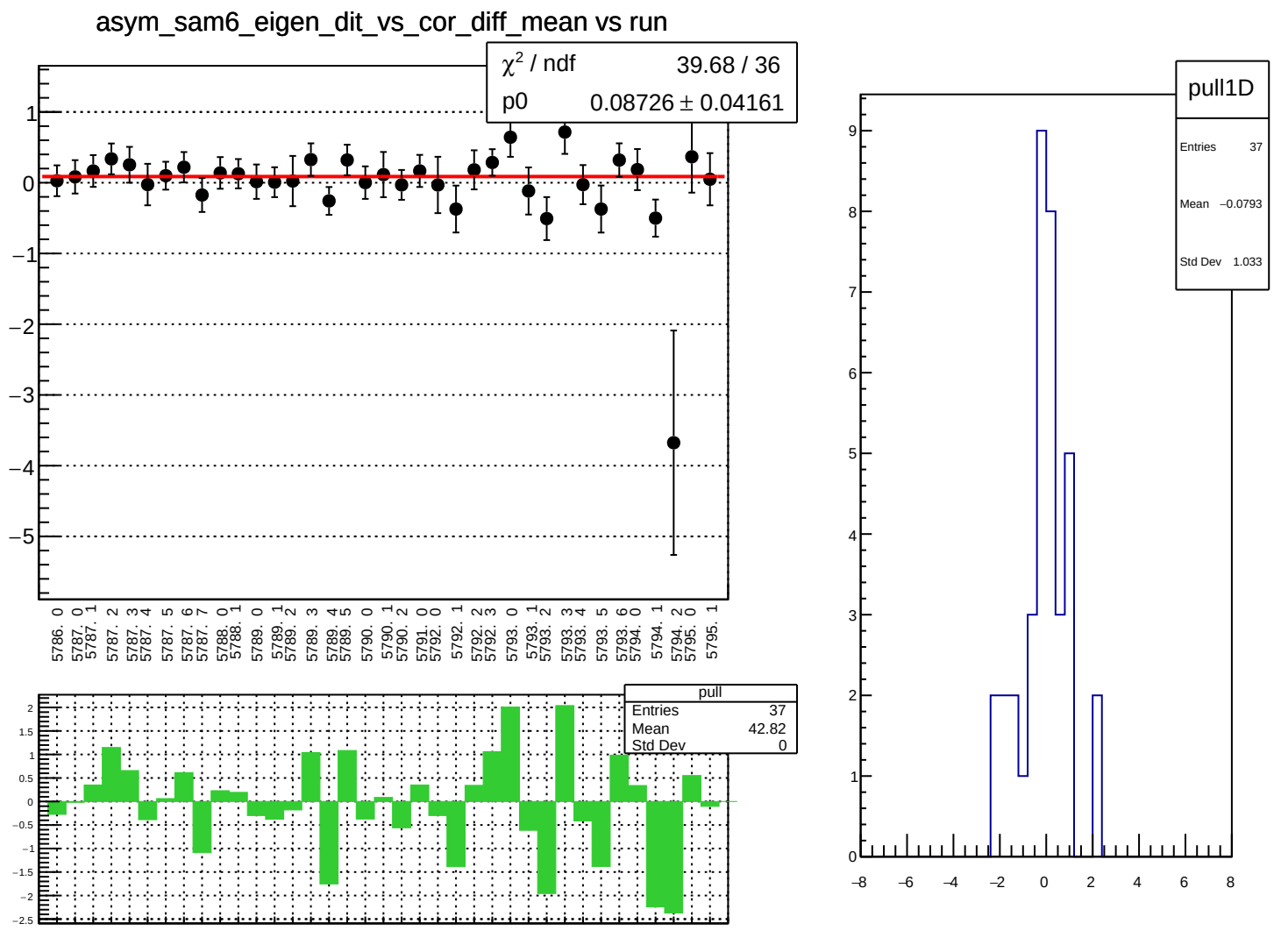
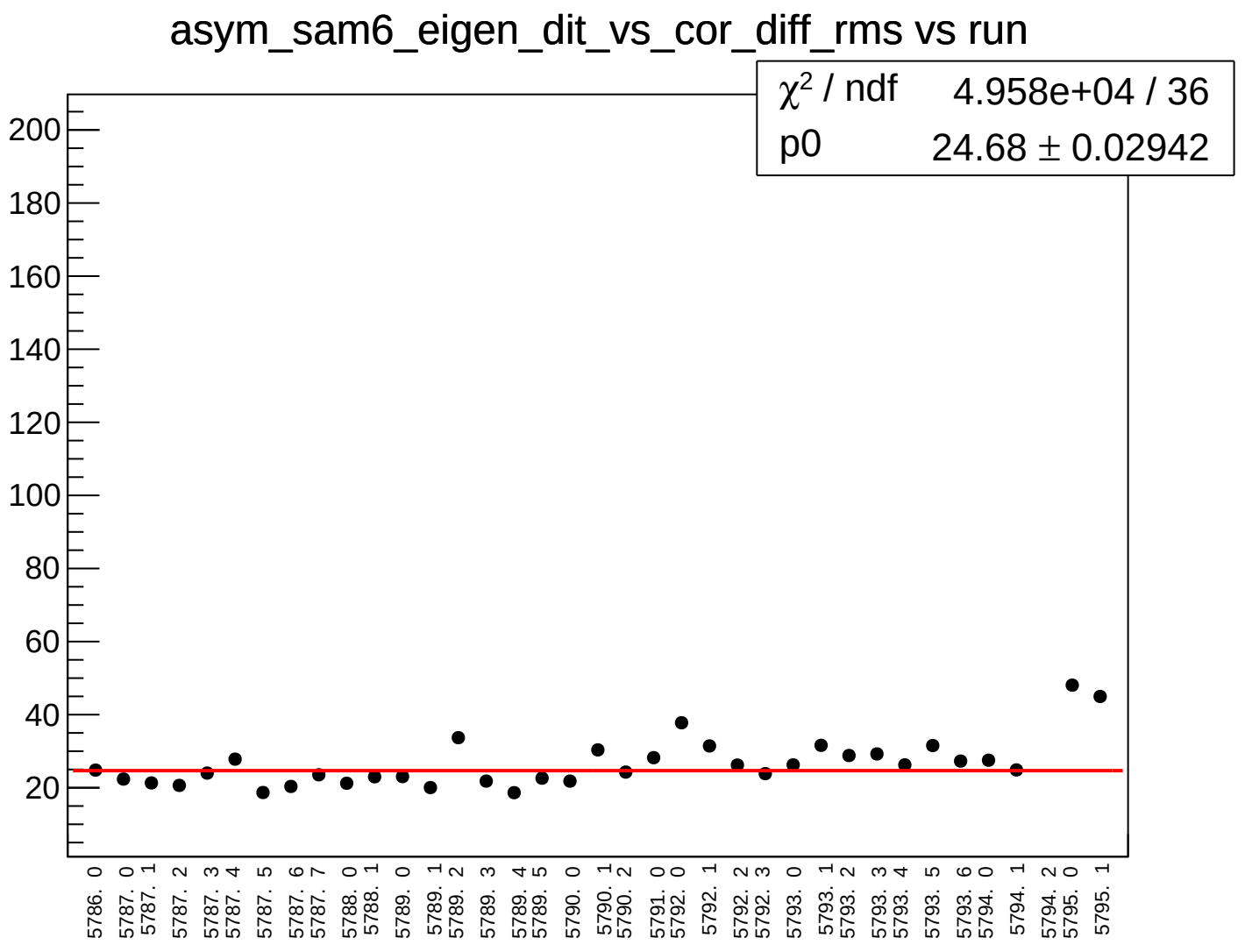
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

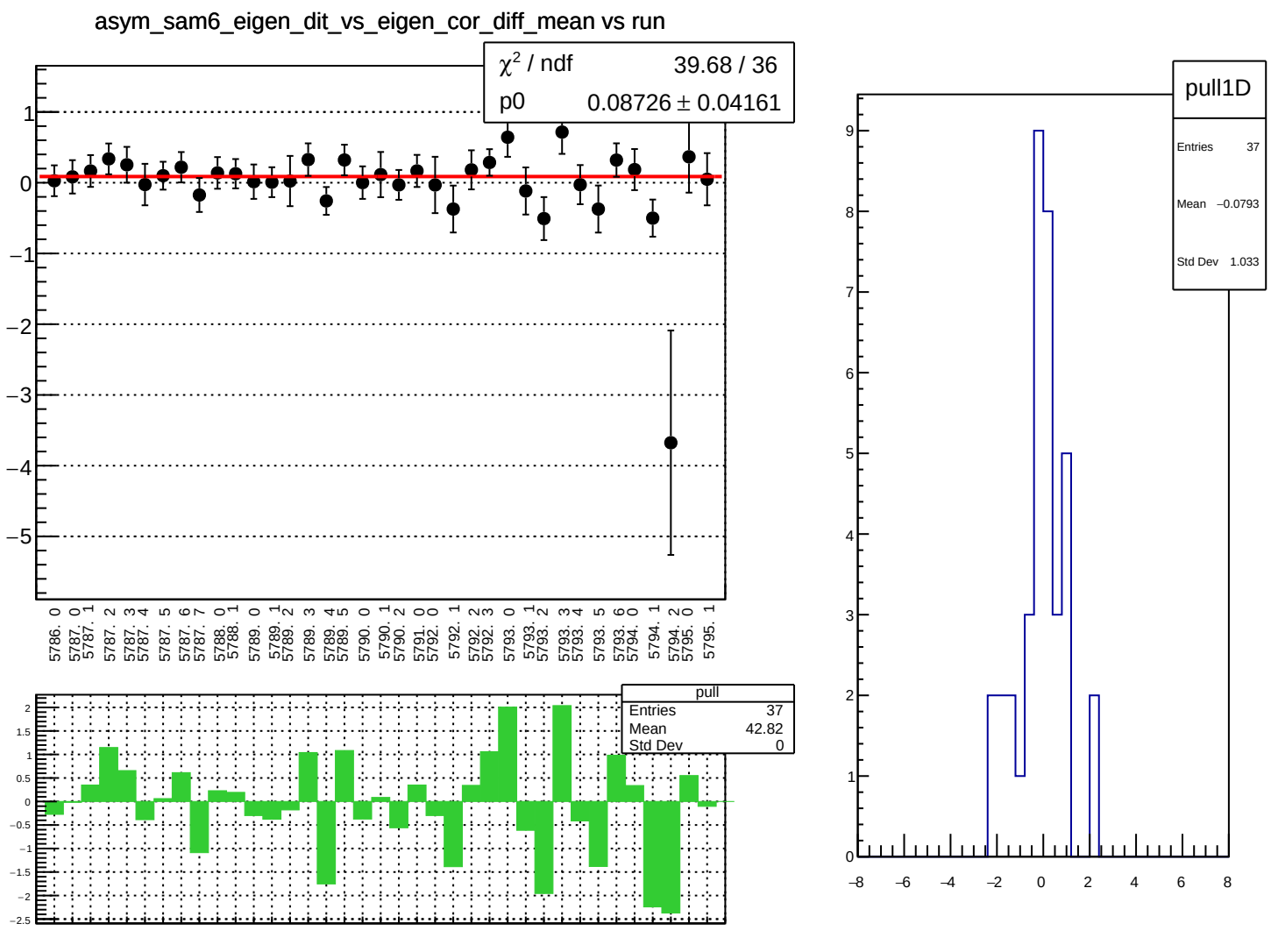

asym_sam6_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 34.46 / 36
p0 −4.882e−06 ± 2.62e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.83
Std Dev 0
3
2
1
0
−1
−2

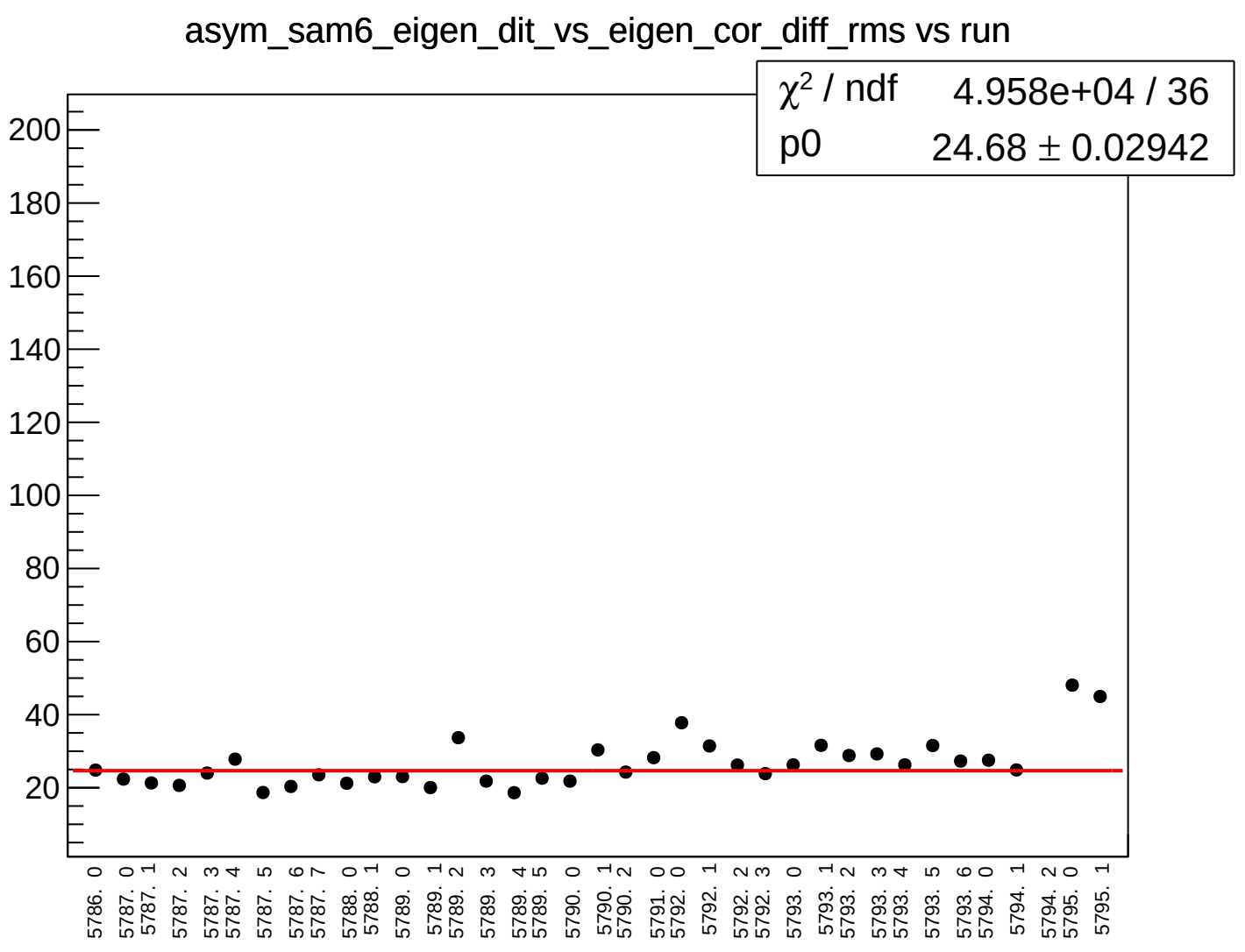

pull1D
Entries 37
Mean −0.004059
Std Dev 0.965
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

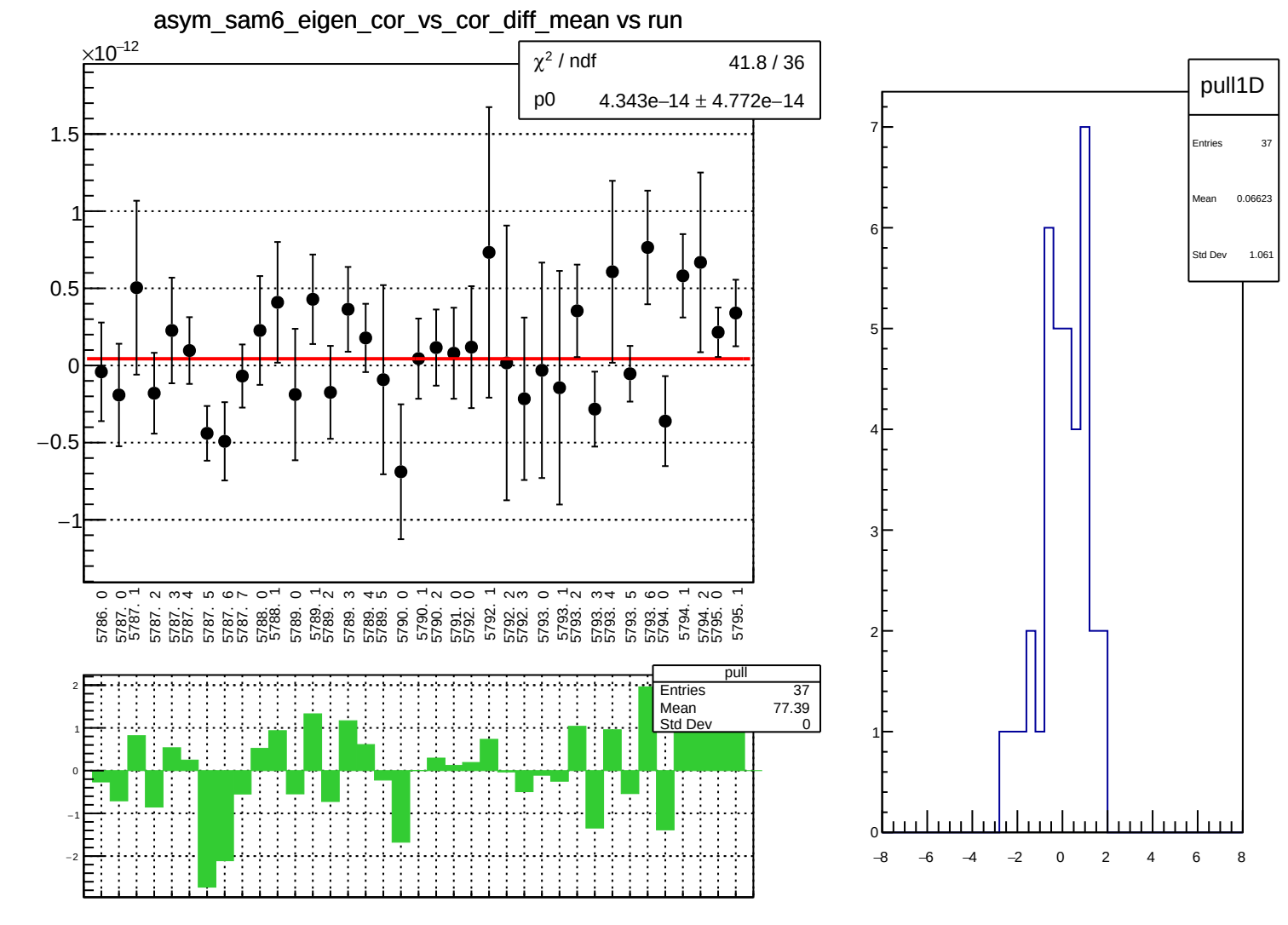

asym_sam6_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 794.3 / 36
p0 0.001607 ± 1.852e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

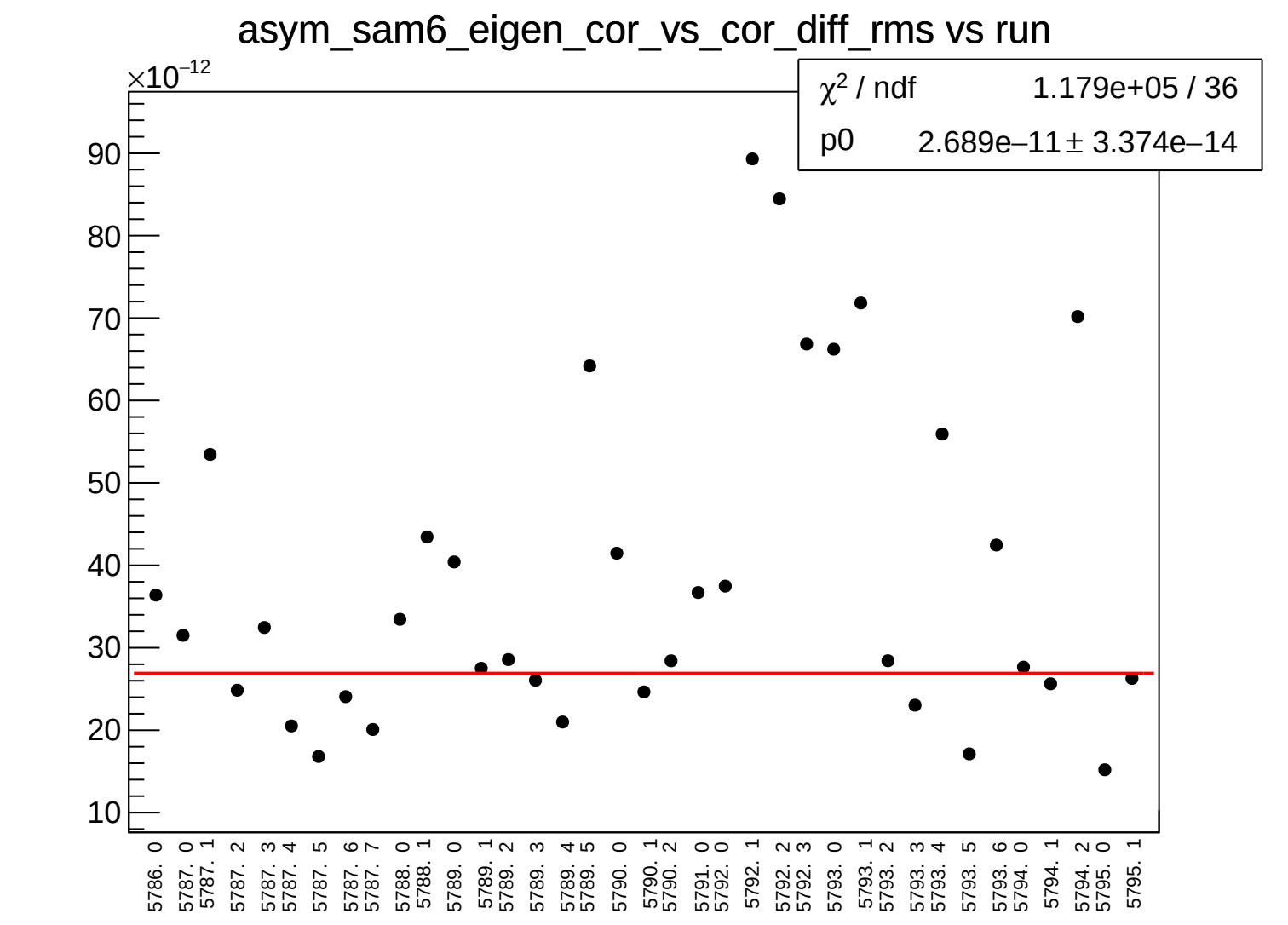

asym_sam6_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 39.68 / 36
p0 0.08726 ± 0.04161
pull
Entries 37
Mean 42.82
Std Dev 0
pull1D
Entries 37
Mean −0.0793
Std Dev 1.033

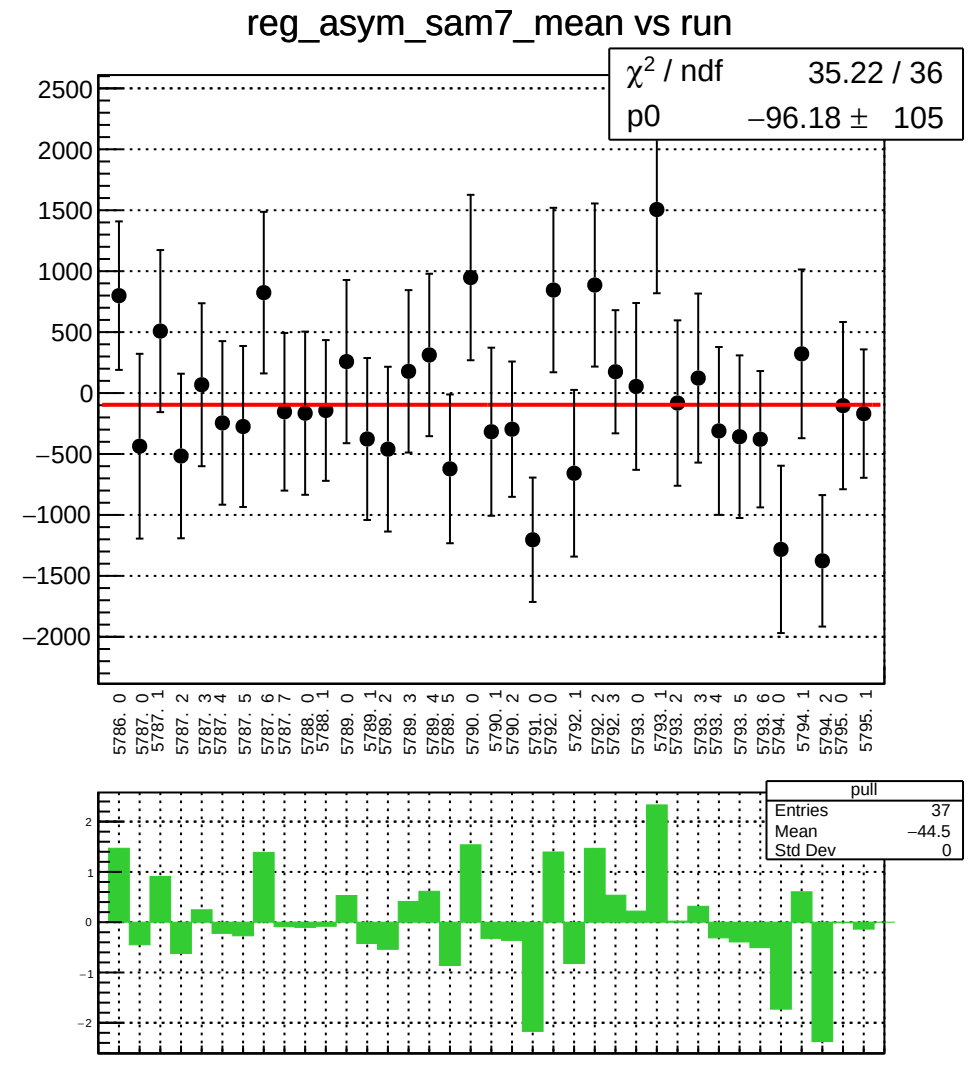

asym_sam6_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.958e+04 / 36
p0 24.68 ± 0.02942
200
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

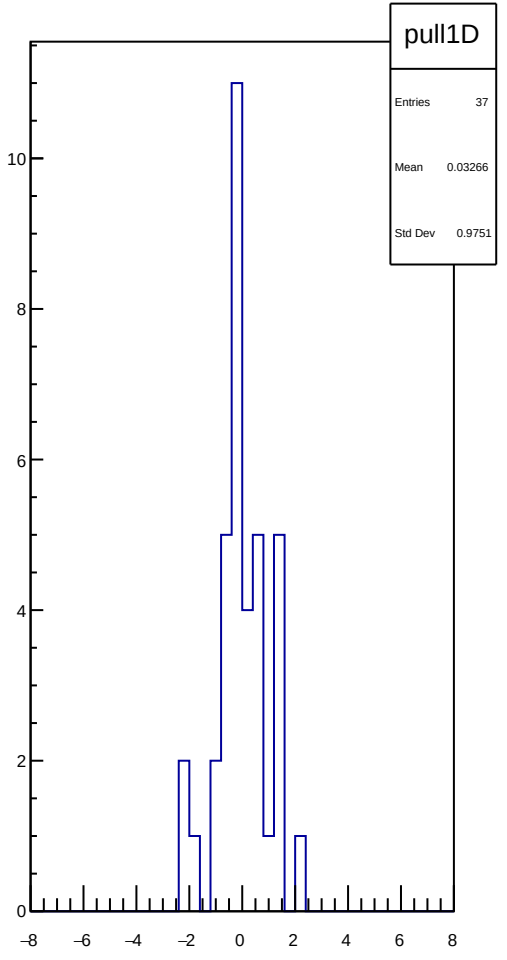

asym_sam6_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 39.68 / 36
p0 0.08726 ± 0.04161
pull
Entries 37
Mean 42.82
Std Dev 0
pull1D
Entries 37
Mean −0.0793
Std Dev 1.033

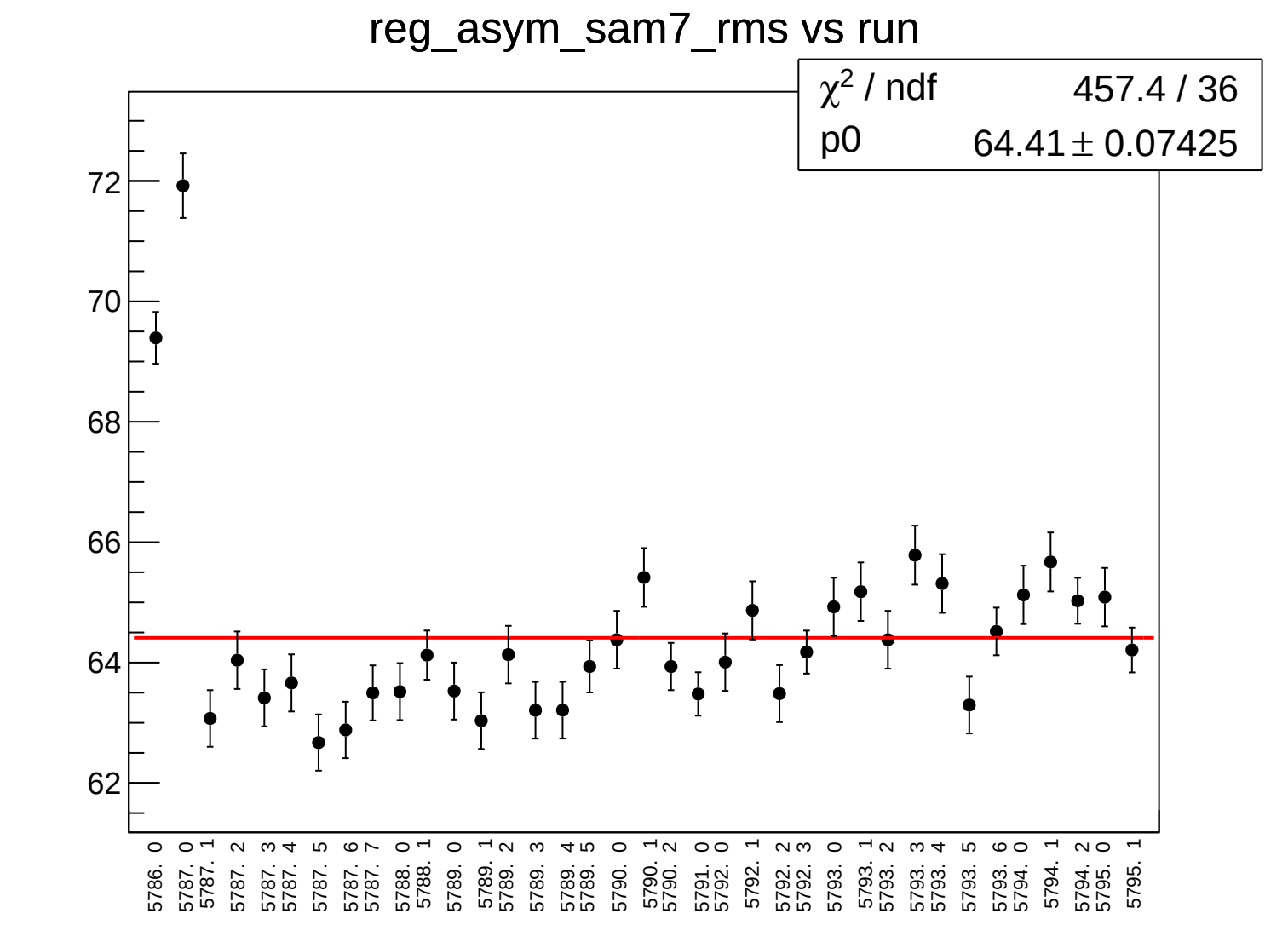

asym_sam6_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.958e+04 / 36
p0 24.68 ± 0.02942
200
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

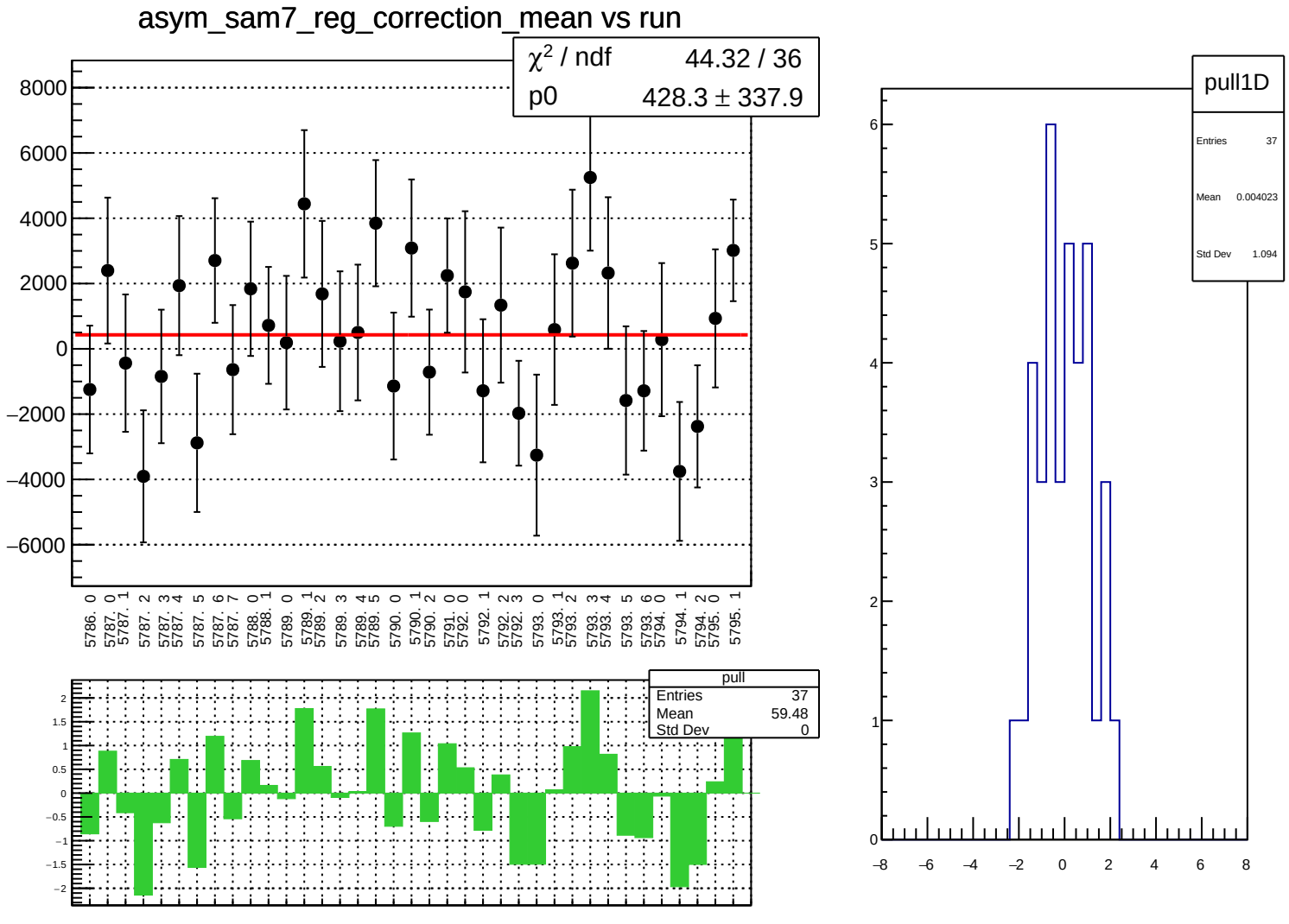

asym_sam6_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.8 / 36
p0 4.343e−14 ± 4.772e−14
1.5
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 77.39
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.06623
Std Dev 1.061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

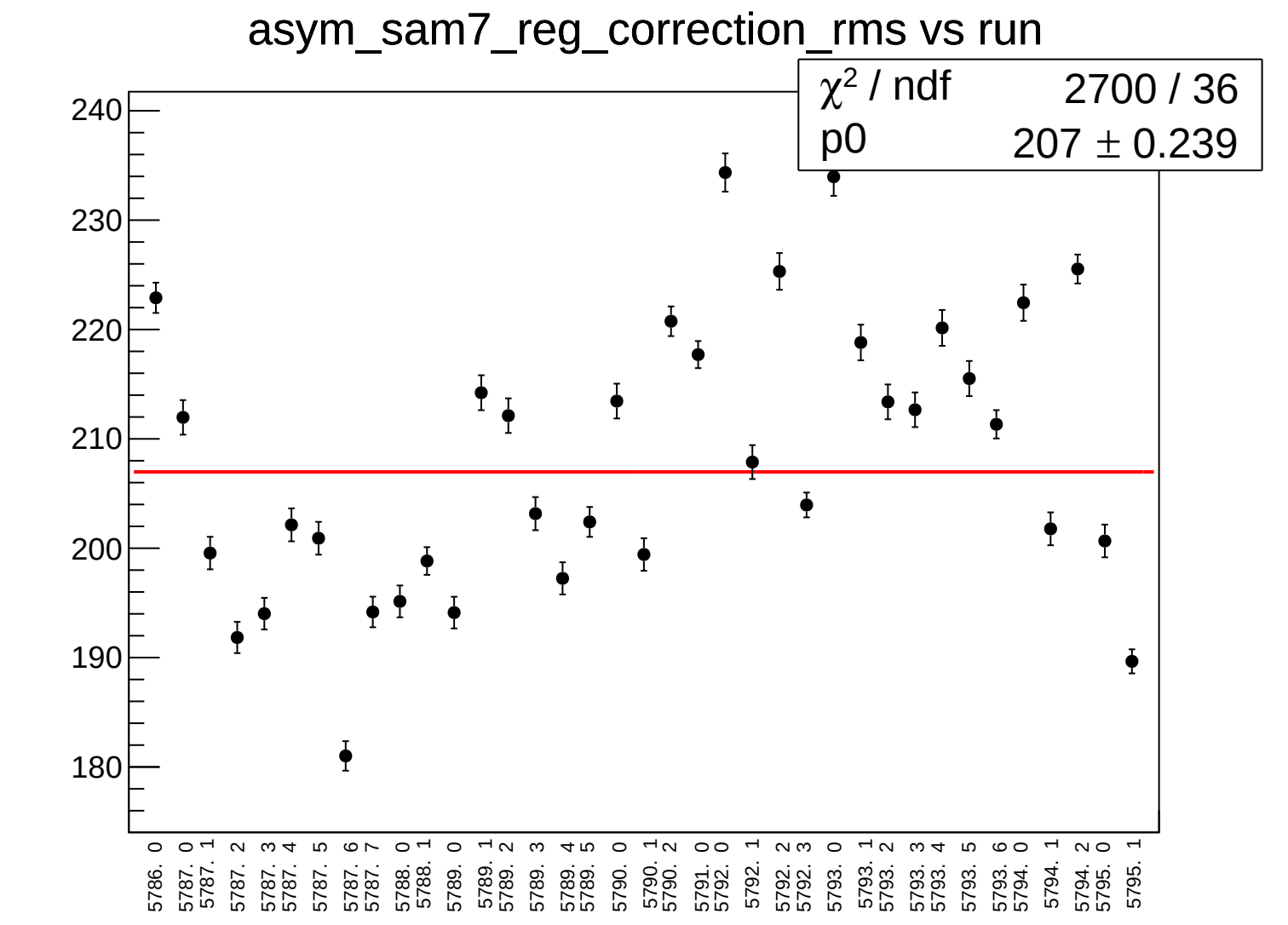

asym_sam6_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.179e+05 / 36
p0 2.689e−11 ± 3.374e−14
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

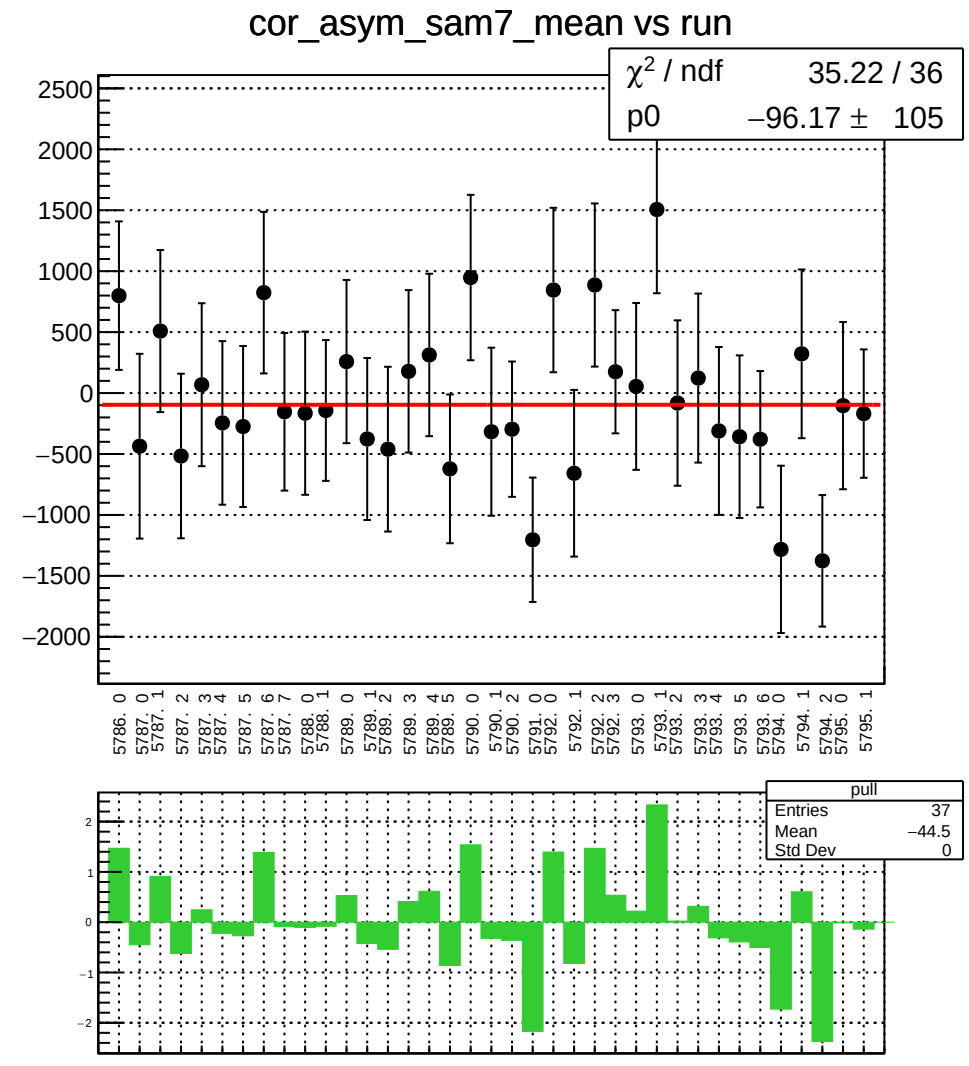

reg_asym_sam7_mean vs run
χ² / ndf 35.22 / 36
p0 −96.18 ± 105
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −44.5
Std Dev 0
2
1
0
−1
−2

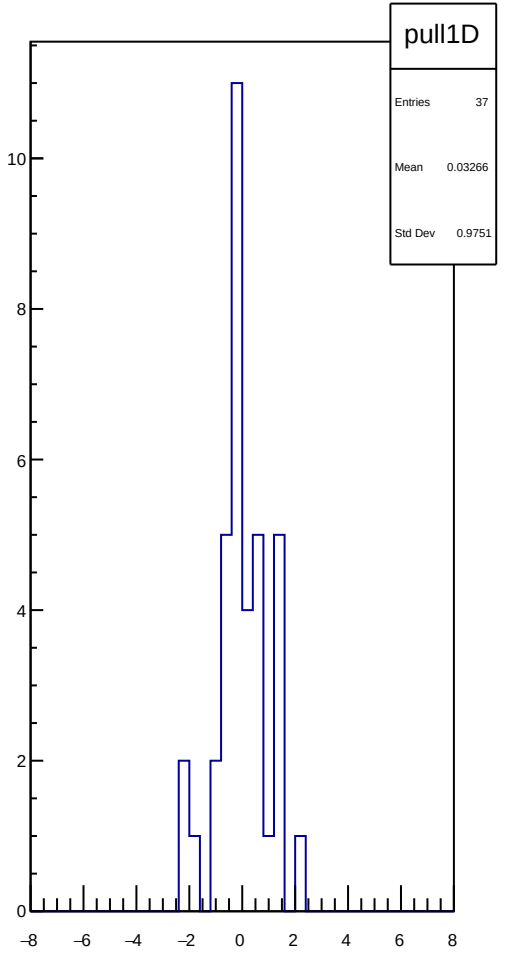

pull1D
Entries 37
Mean 0.03266
Std Dev 0.9751
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

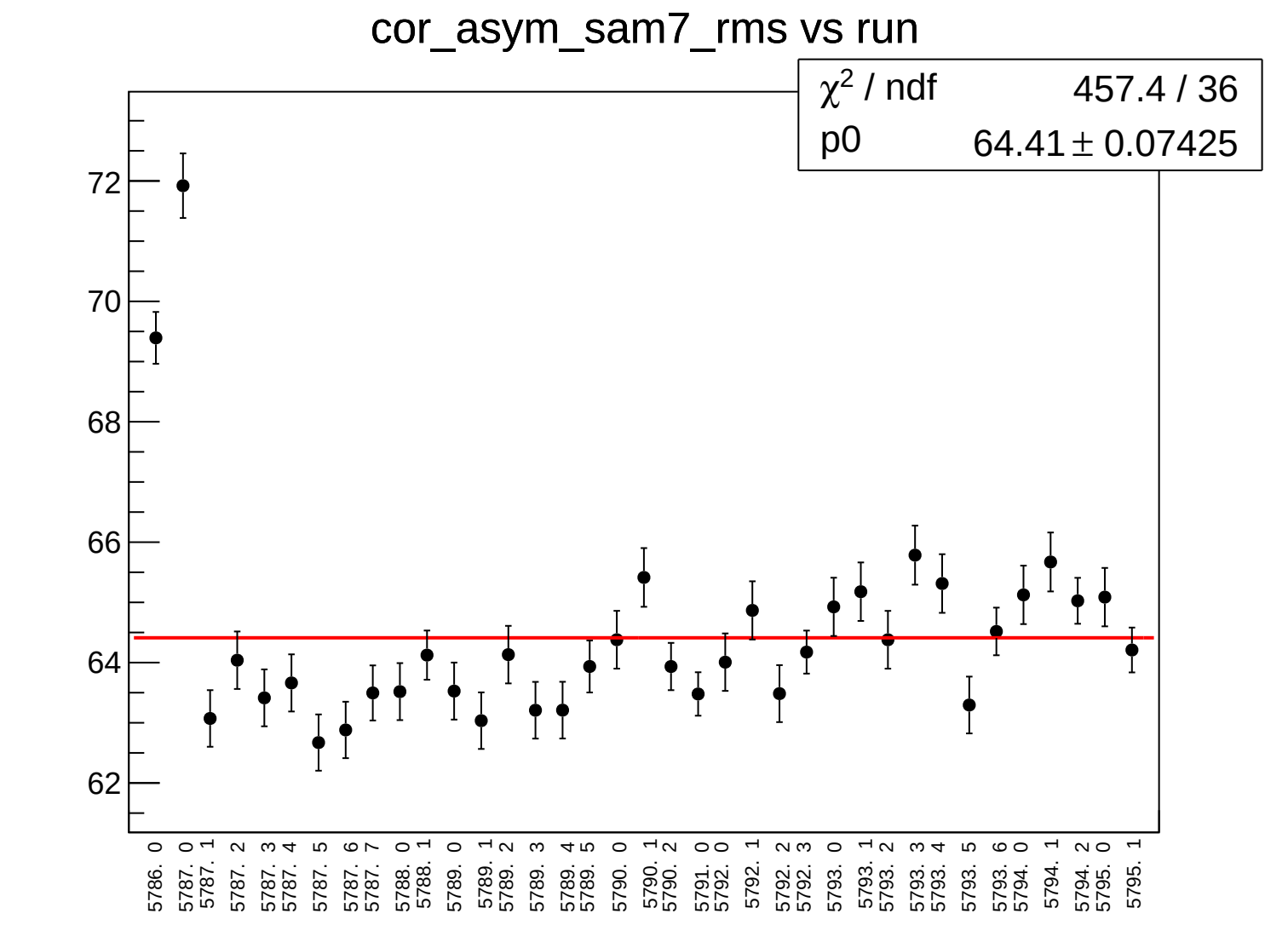

reg_asym_sam7_rms vs run
χ² / ndf 457.4 / 36
p0 64.41 ± 0.07425
72
70
68
66
64
62
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

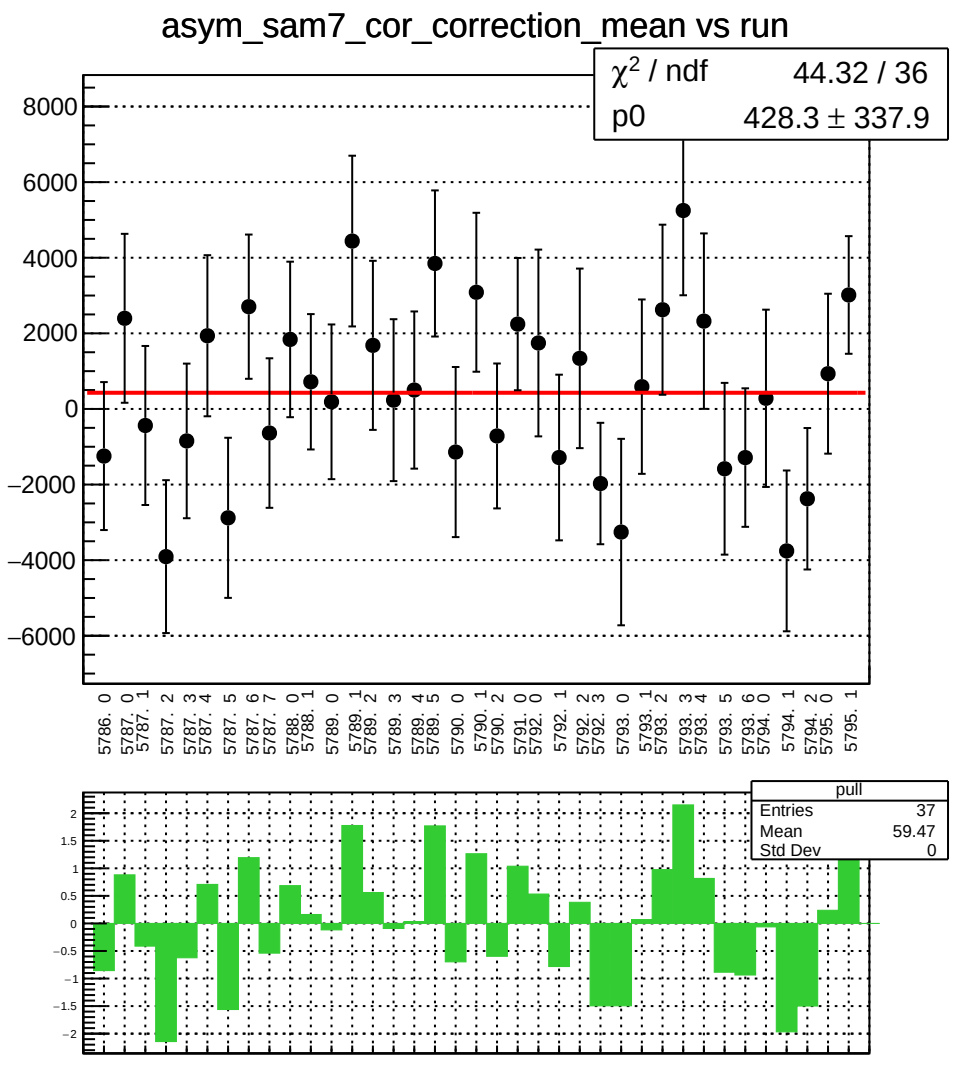

asym_sam7_reg_correction_mean vs run
χ² / ndf 44.32 / 36
p0 428.3 ± 337.9
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.48
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004023
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

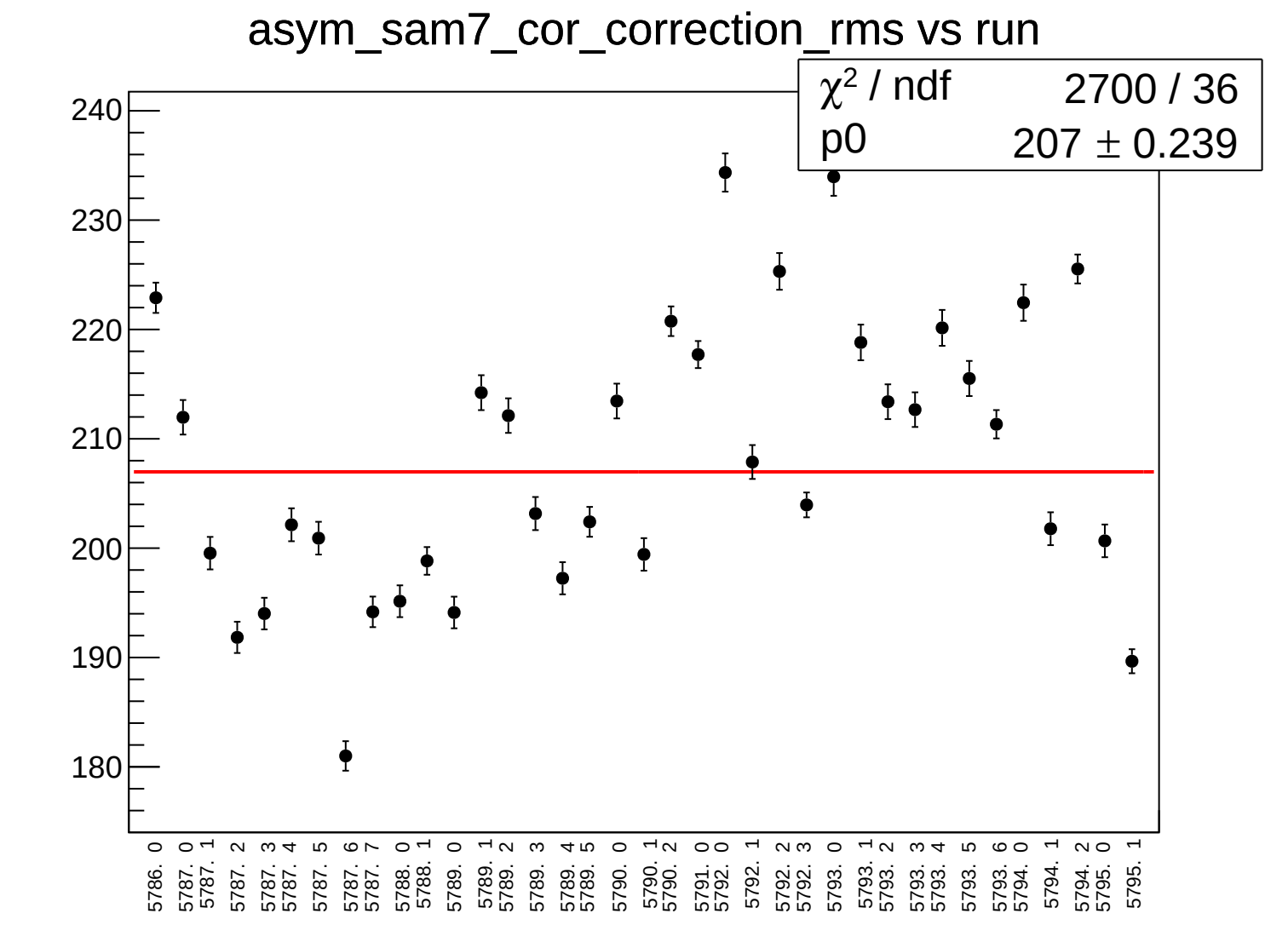

asym_sam7_reg_correction_rms vs run
χ² / ndf 2700 / 36
p0 207 ± 0.239
240
230
220
210
200
190
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam7_mean vs run
χ² / ndf 35.22 / 36
p0 −96.17 ± 105
pull
Entries 37
Mean −44.5
Std Dev 0


pull1D
Entries 37
Mean 0.03266
Std Dev 0.9751


cor_asym_sam7_rms vs run
χ² / ndf 457.4 / 36
p0 64.41 ± 0.07425
72
70
68
66
64
62
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam7_cor_correction_mean vs run
χ² / ndf 44.32 / 36
p0 428.3 ± 337.9
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.004024
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam7_cor_correction_rms vs run
χ² / ndf 2700 / 36
p0 207 ± 0.239
240
230
220
210
200
190
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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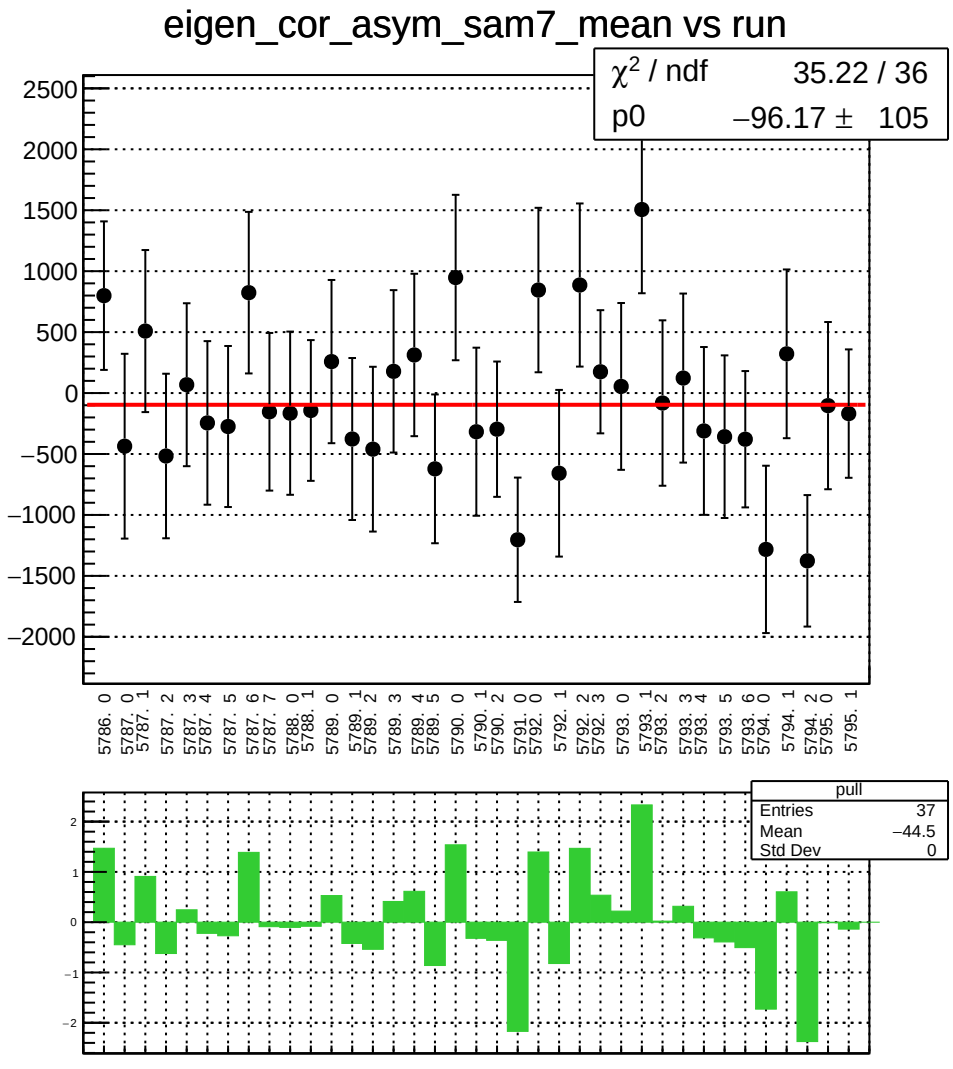
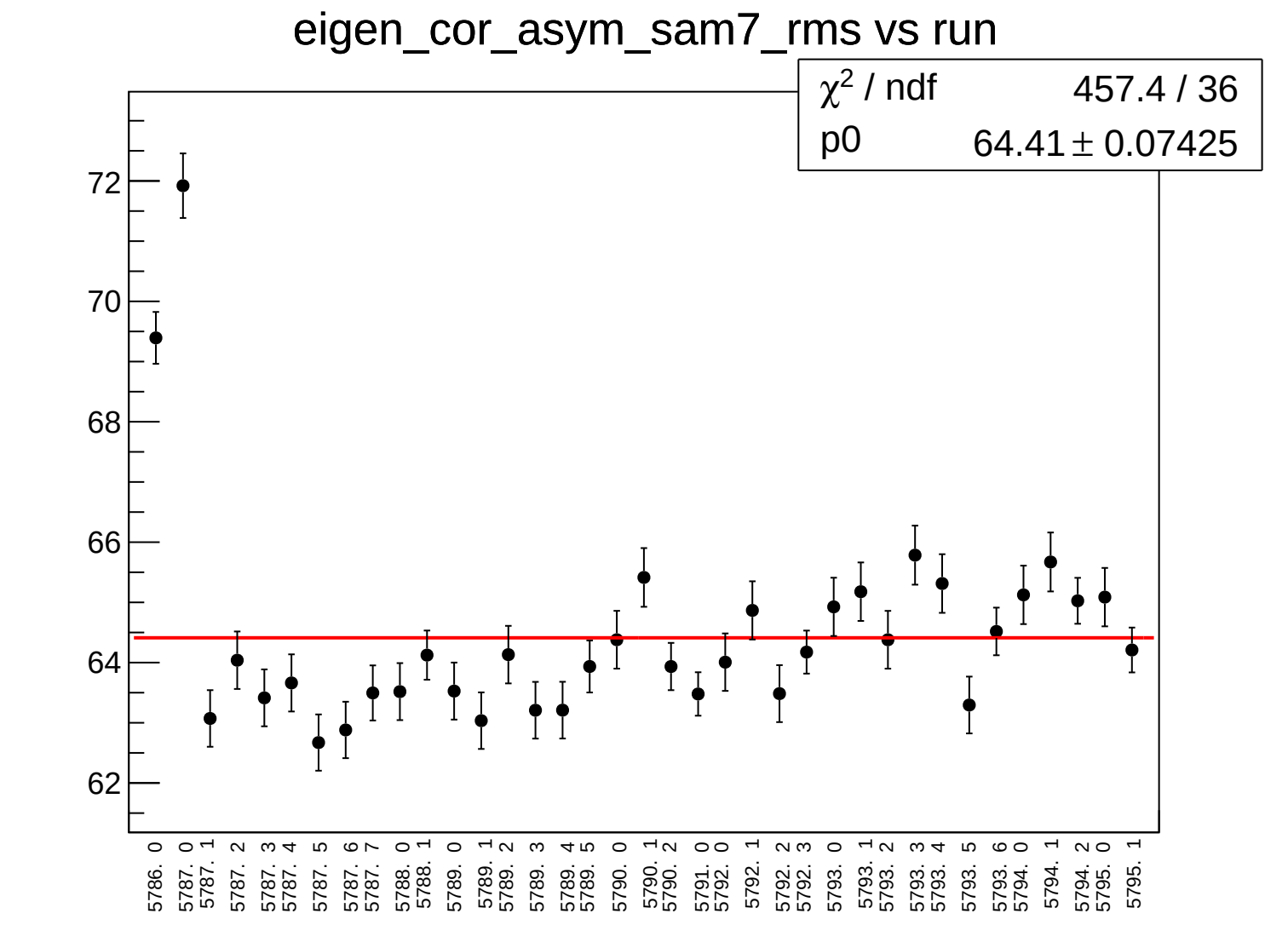
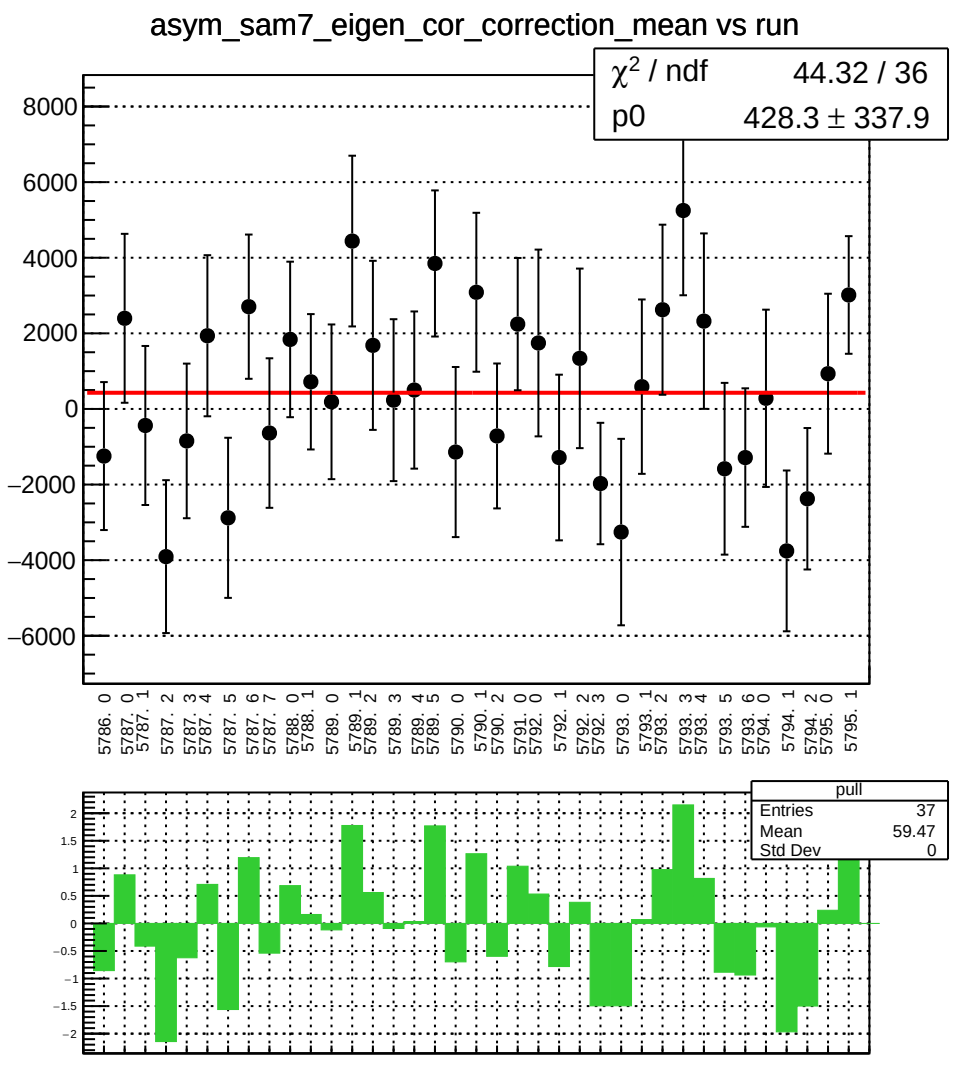
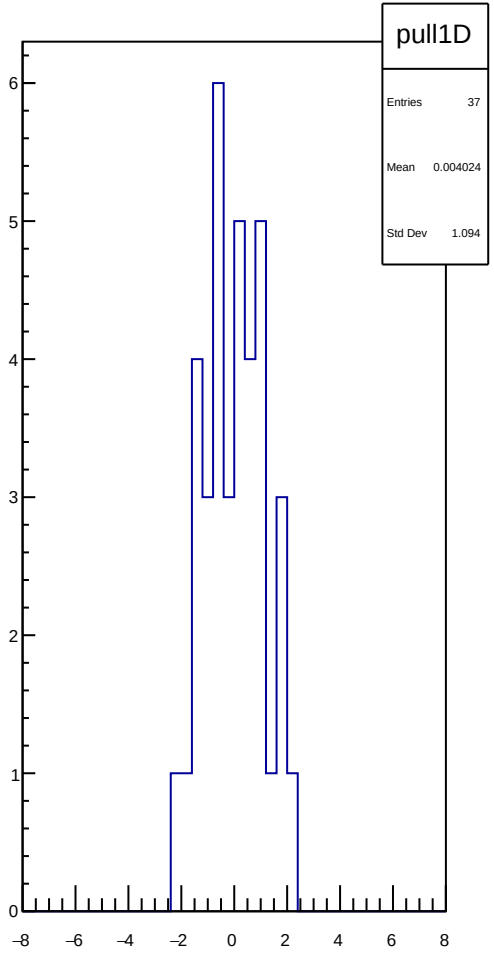
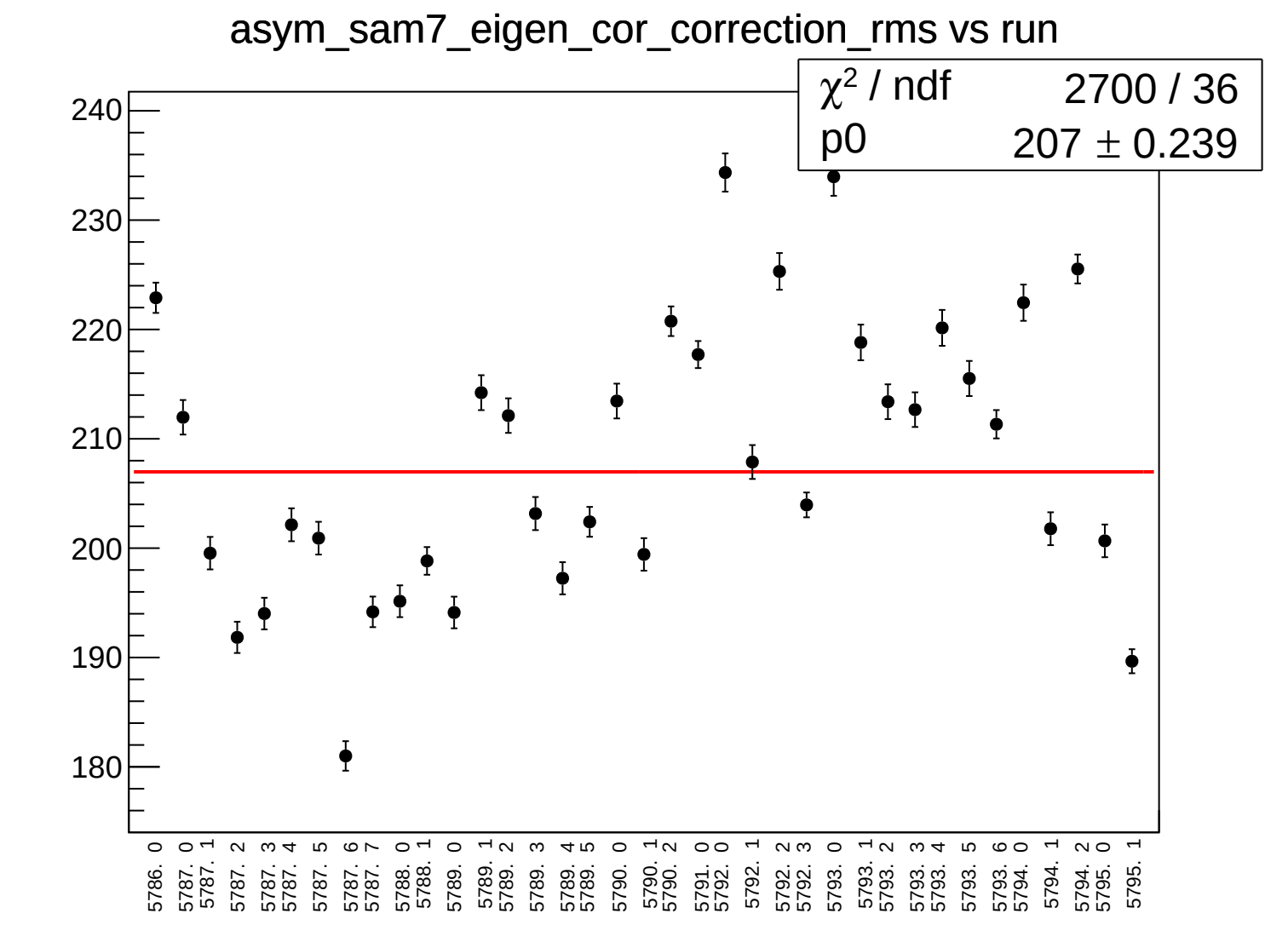
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

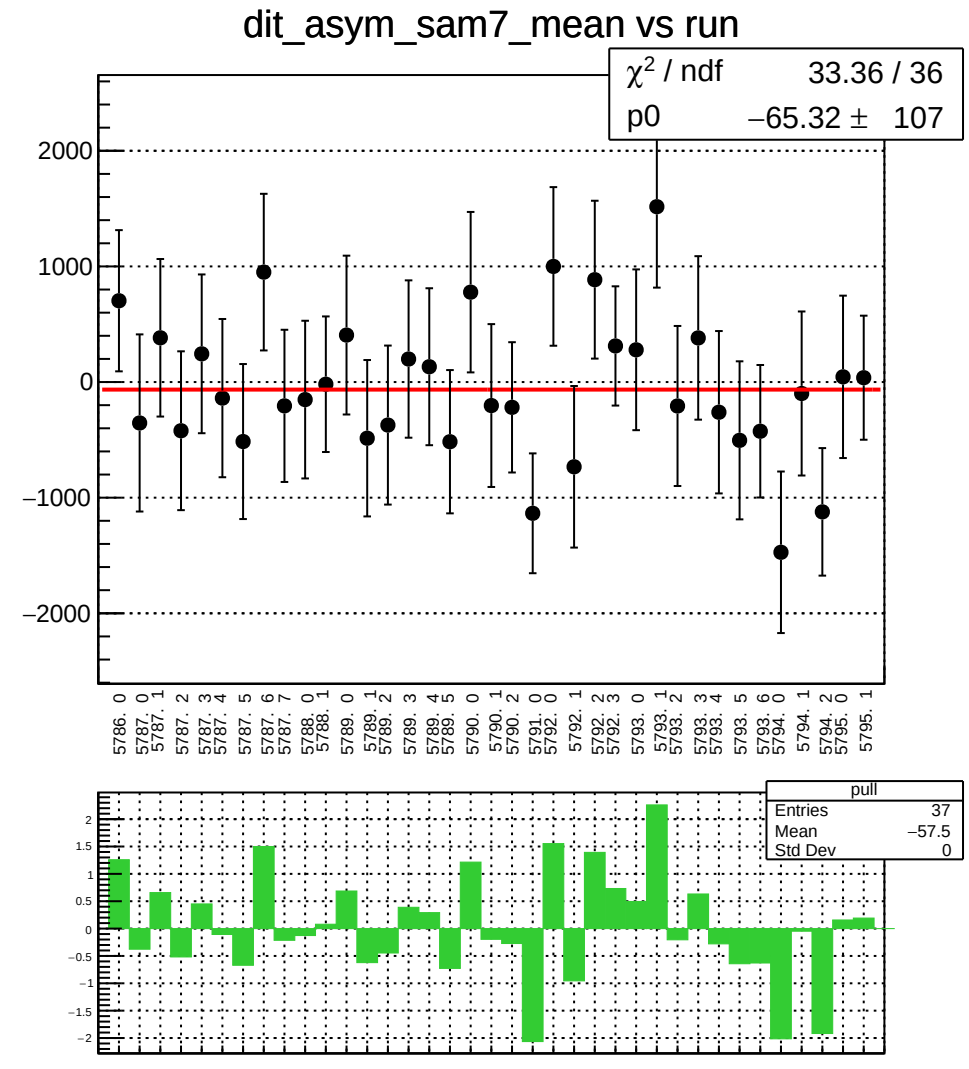

eigen_cor_asym_sam7_mean vs run
χ^2 / ndf 35.22 / 36
p0 −96.17 ± 105
2500
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −44.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03266
Std Dev 0.9751
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

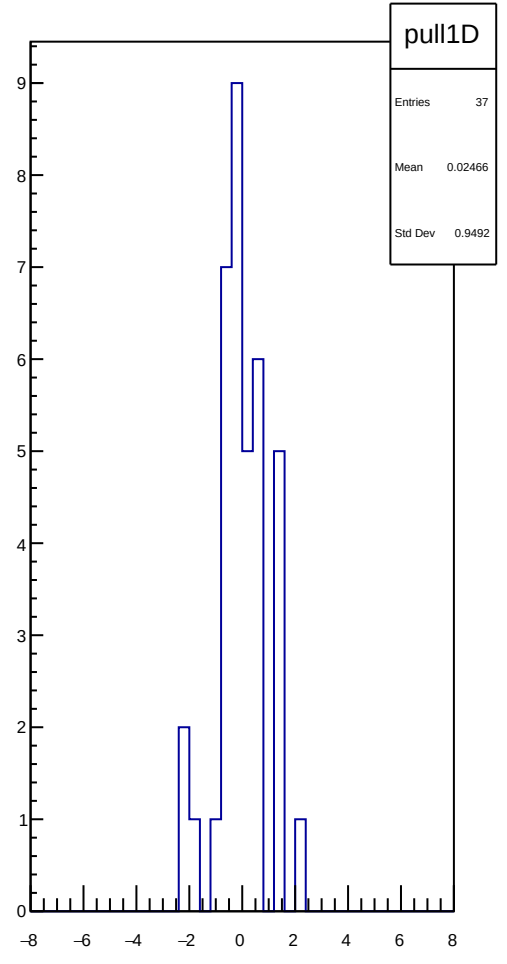

eigen_cor_asym_sam7_rms vs run
χ^2 / ndf 457.4 / 36
p0 64.41 ± 0.07425
72
70
68
66
64
62
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

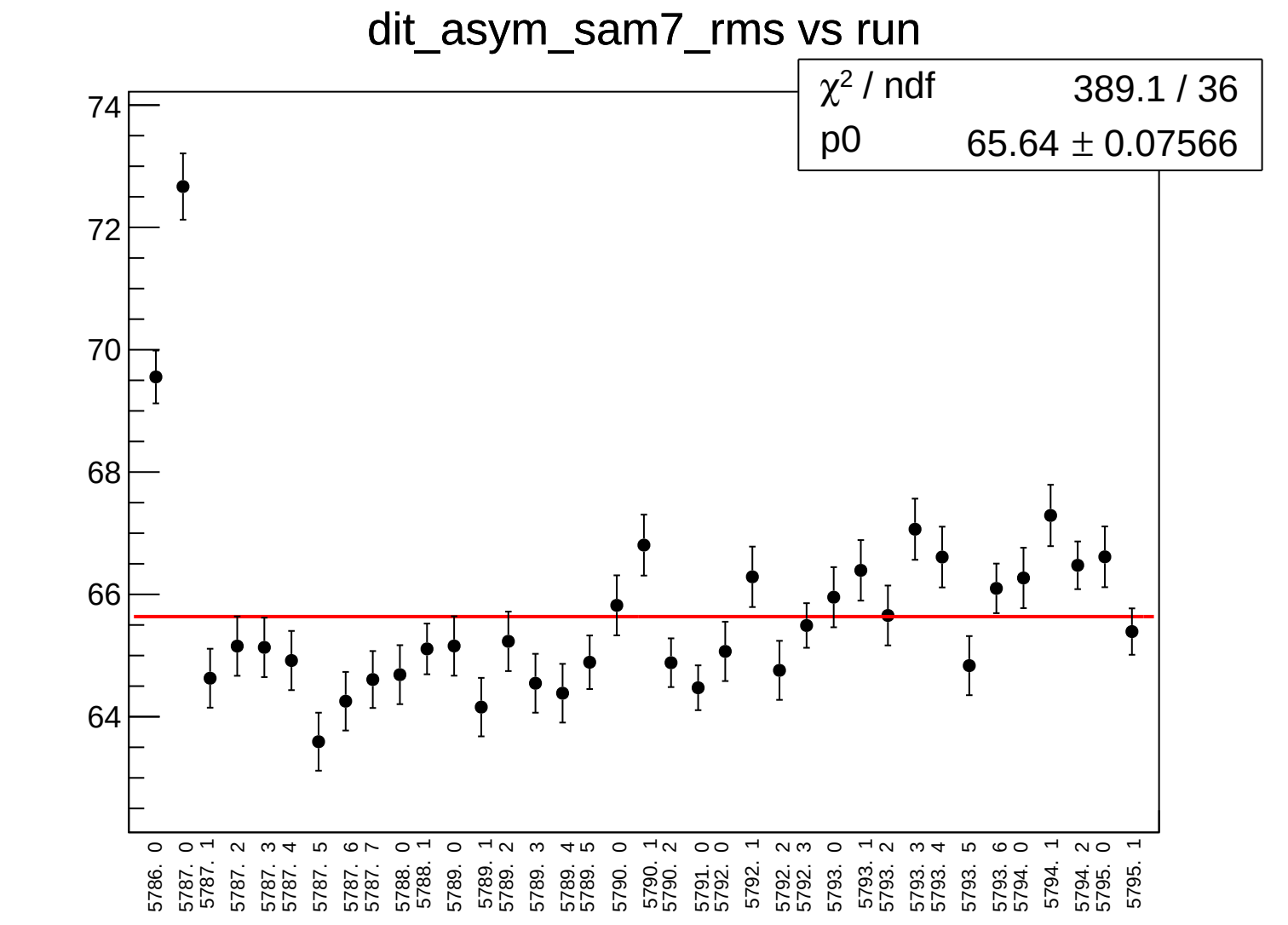

asym_sam7_eigen_cor_correction_mean vs run
χ² / ndf 44.32 / 36
p0 428.3 ± 337.9
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.47
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

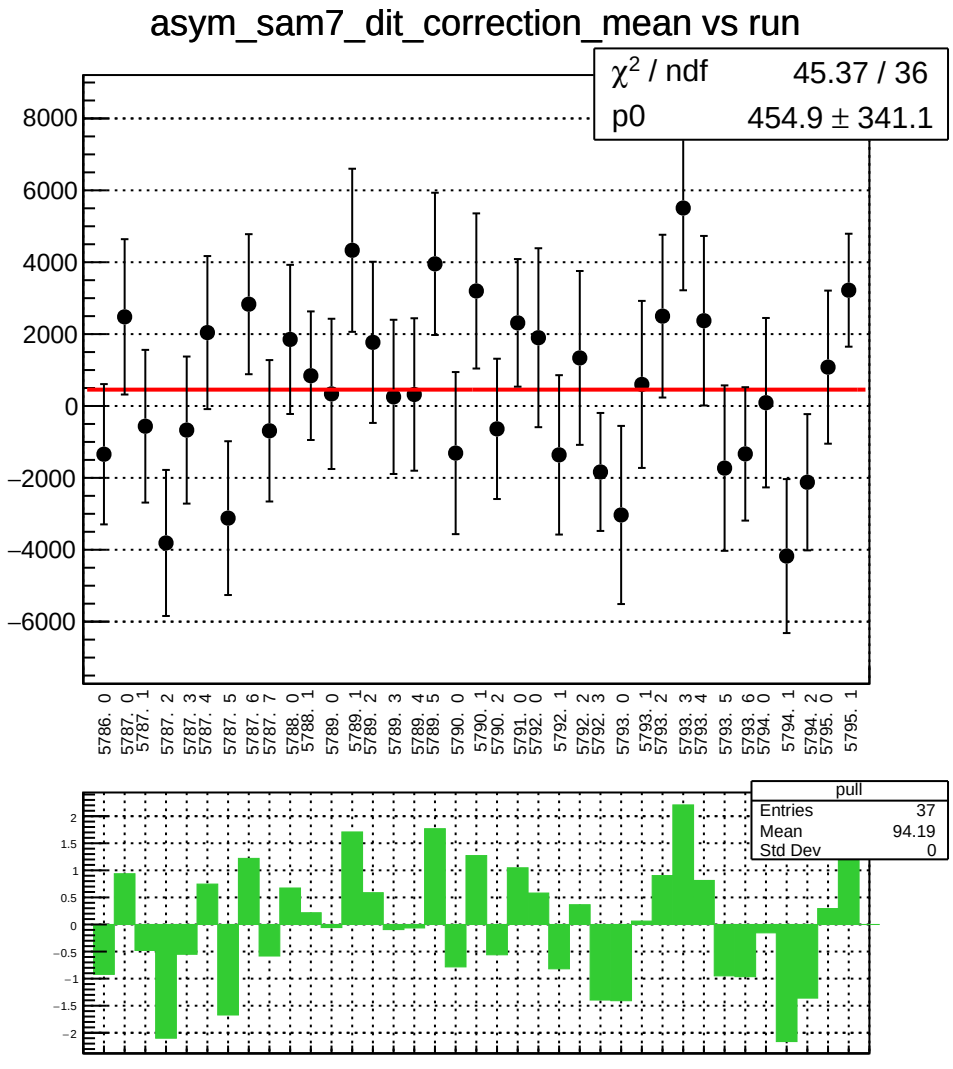

pull1D
Entries 37
Mean 0.004024
Std Dev 1.094
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

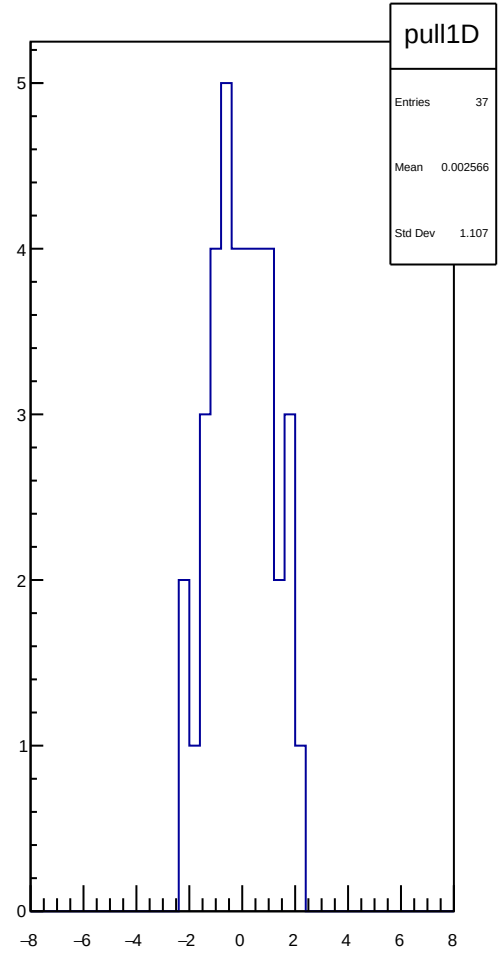

asym_sam7_eigen_cor_correction_rms vs run
χ² / ndf 2700 / 36
p0 207 ± 0.239
240
230
220
210
200
190
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

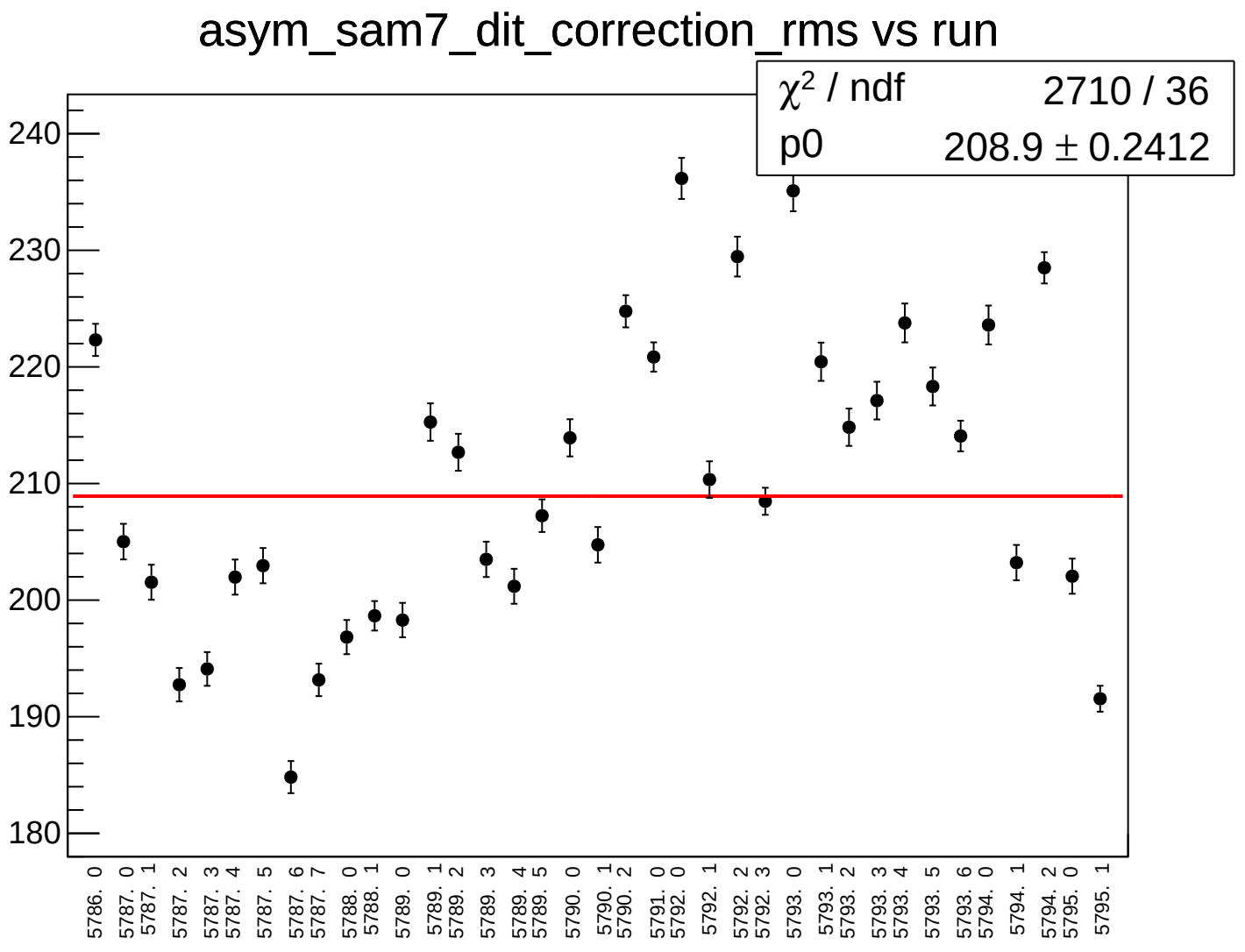

dit_asym_sam7_mean vs run
χ² / ndf 33.36 / 36
p0 −65.32 ± 107
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

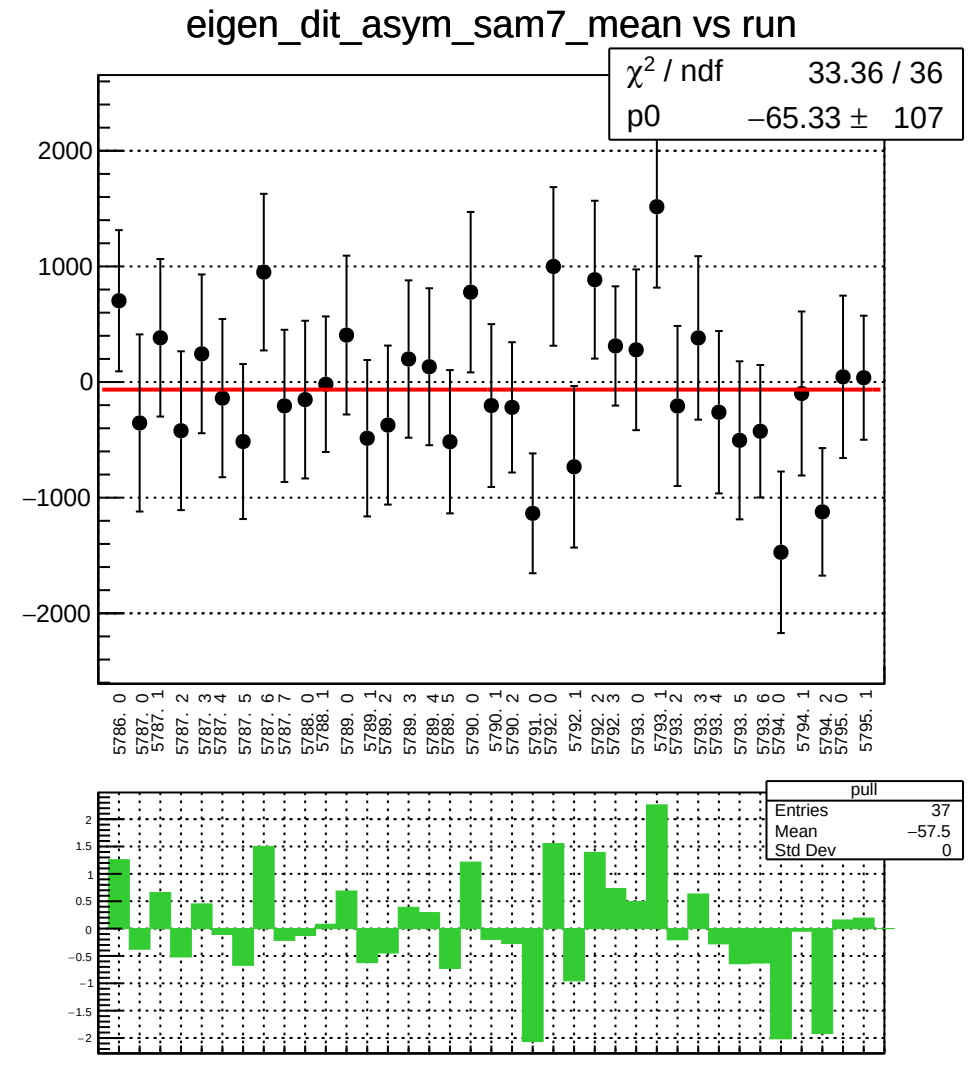

pull1D
Entries 37
Mean 0.02466
Std Dev 0.9492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

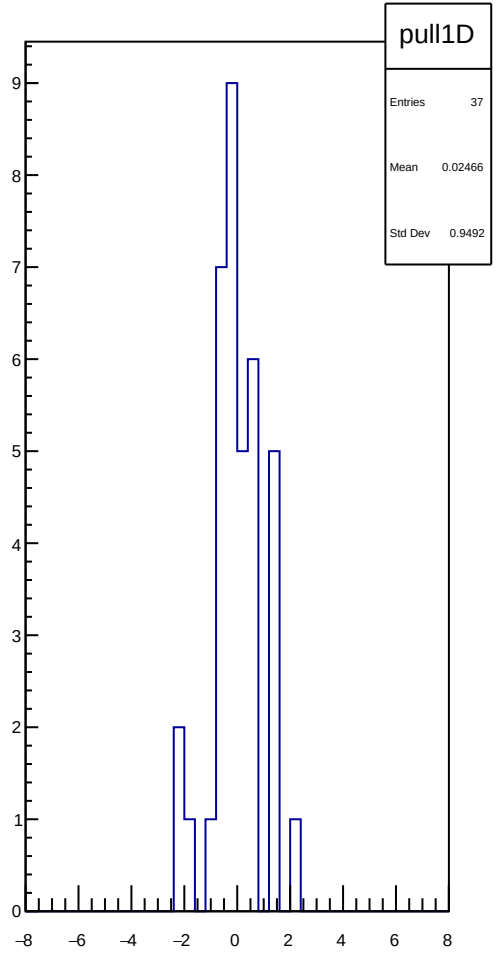

dit_asym_sam7_rms vs run
χ^2 / ndf 389.1 / 36
p0 65.64 ± 0.07566
74
72
70
68
66
64
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

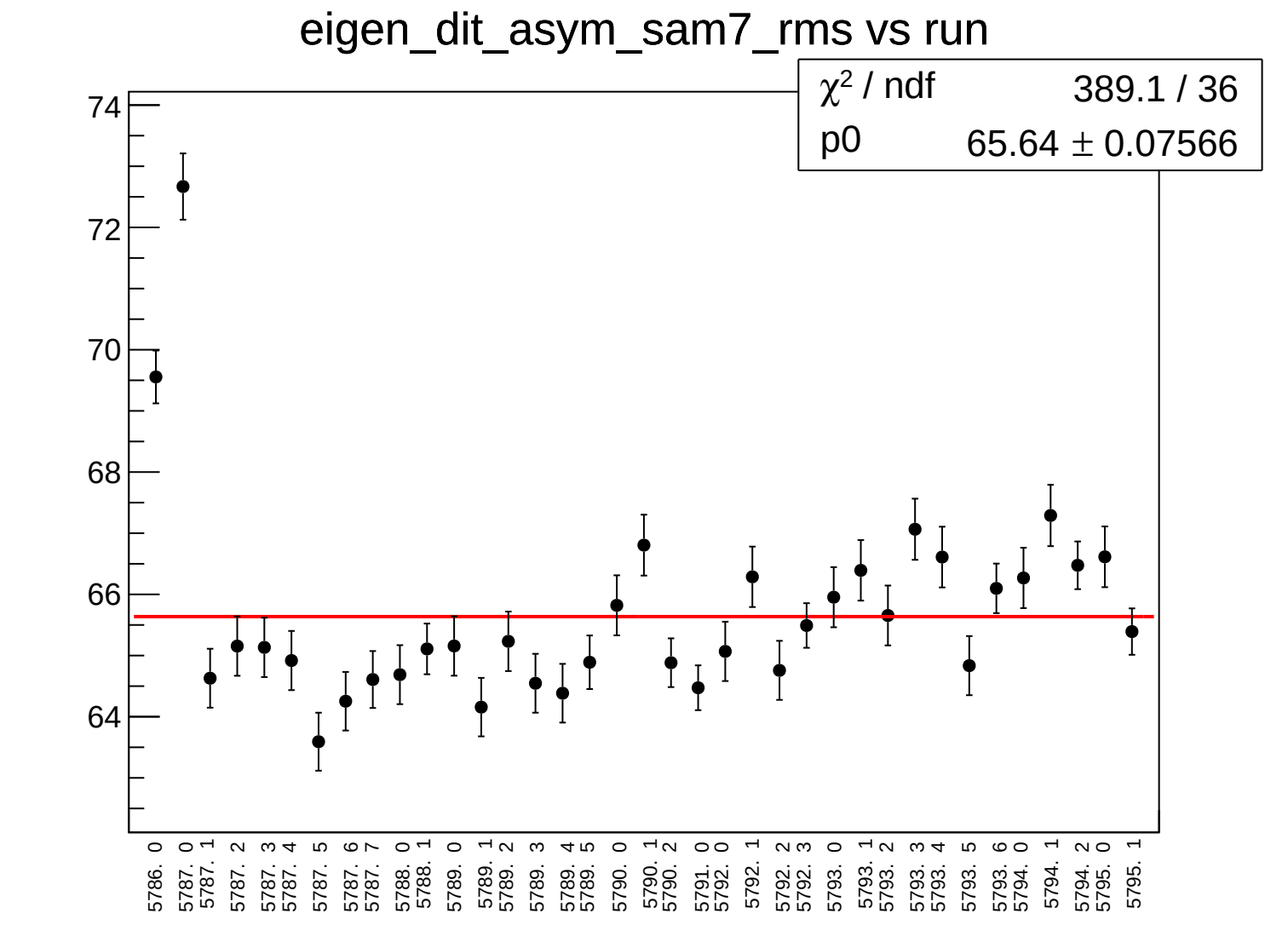

asym_sam7_dit_correction_mean vs run
χ² / ndf 45.37 / 36
p0 454.9 ± 341.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 94.19
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

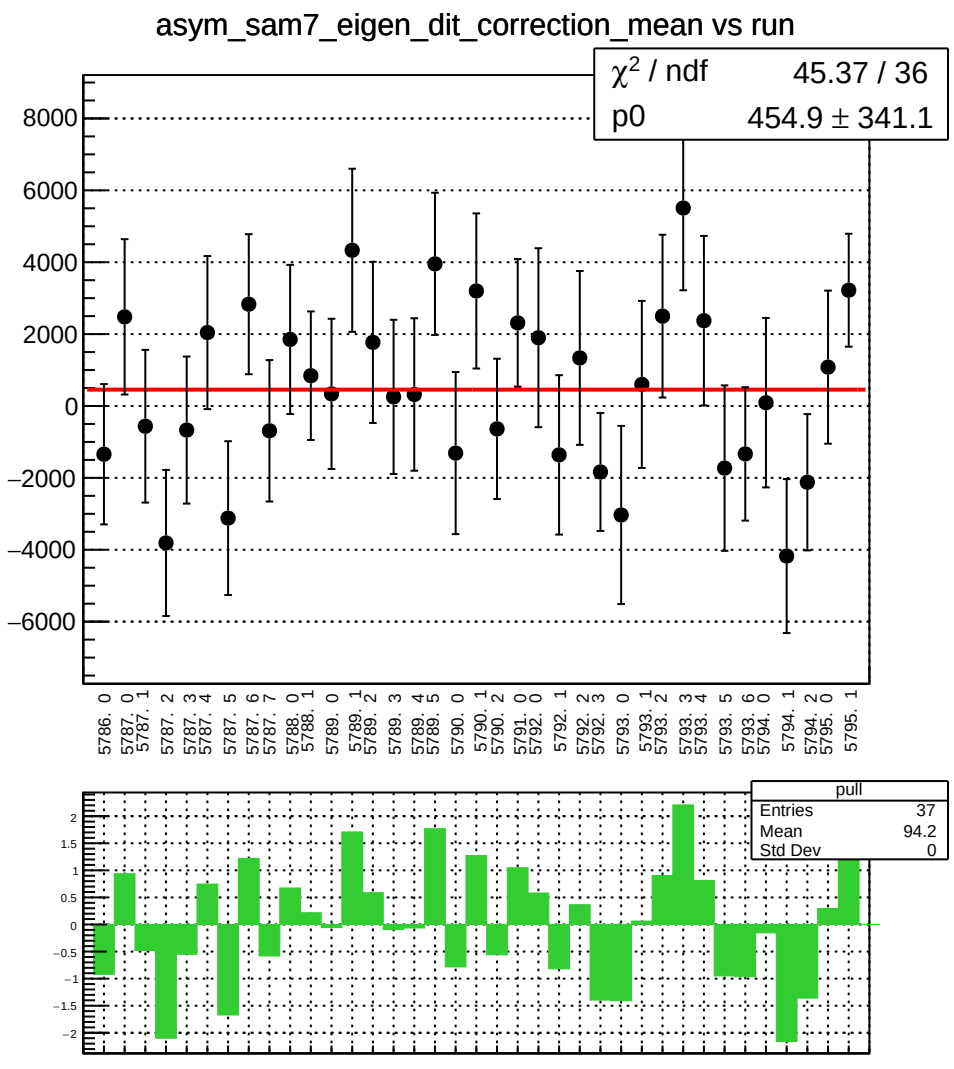

pull1D
Entries 37
Mean 0.002566
Std Dev 1.107
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

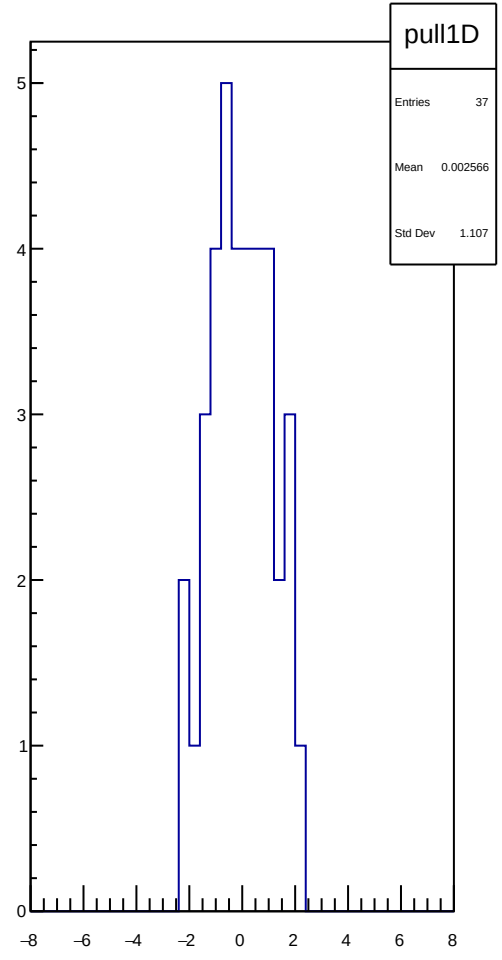

asym_sam7_dit_correction_rms vs run
χ² / ndf 2710 / 36
p0 208.9 ± 0.2412
240
230
220
210
200
190
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

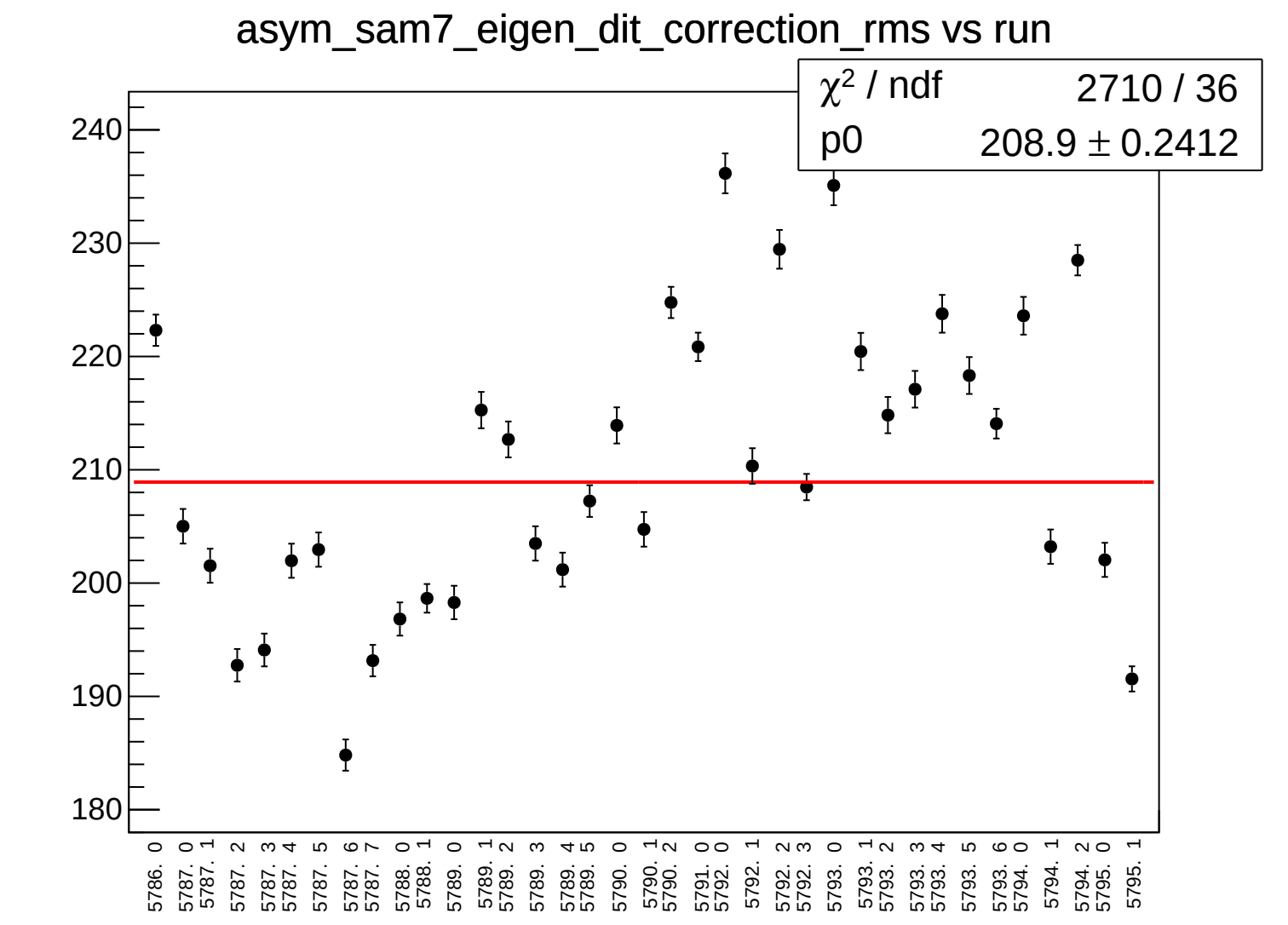

eigen_dit_asym_sam7_mean vs run
χ² / ndf 33.36 / 36
p0 −65.33 ± 107
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

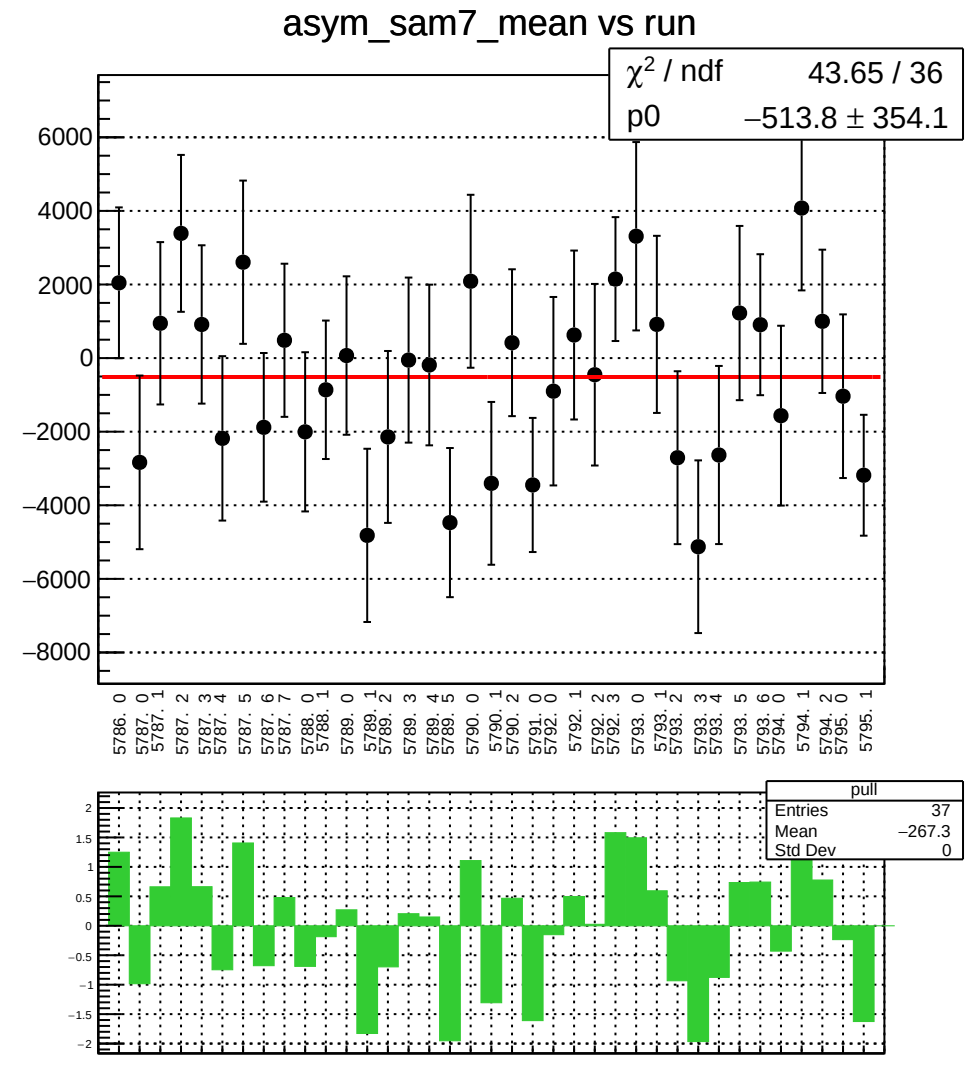

pull1D
Entries 37
Mean 0.02466
Std Dev 0.9492
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

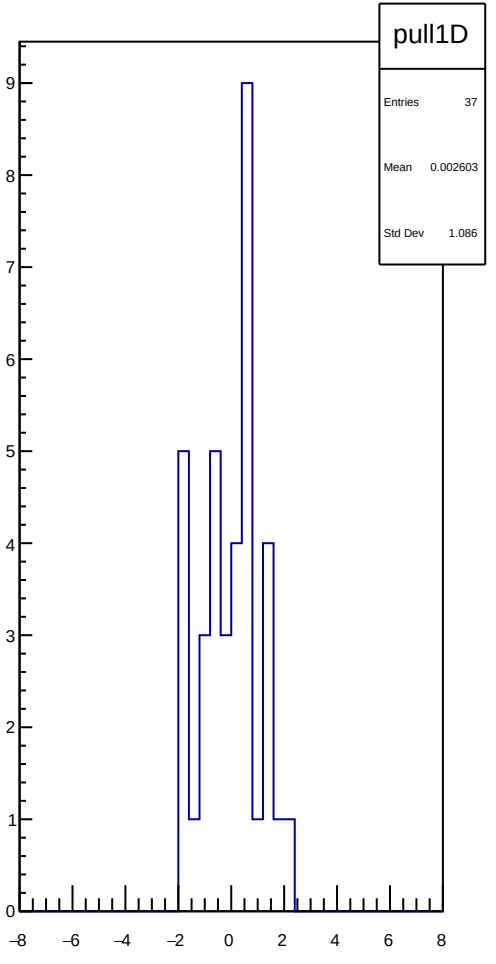

eigen_dit_asym_sam7_rms vs run
χ² / ndf 389.1 / 36
p0 65.64 ± 0.07566
74
72
70
68
66
64
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

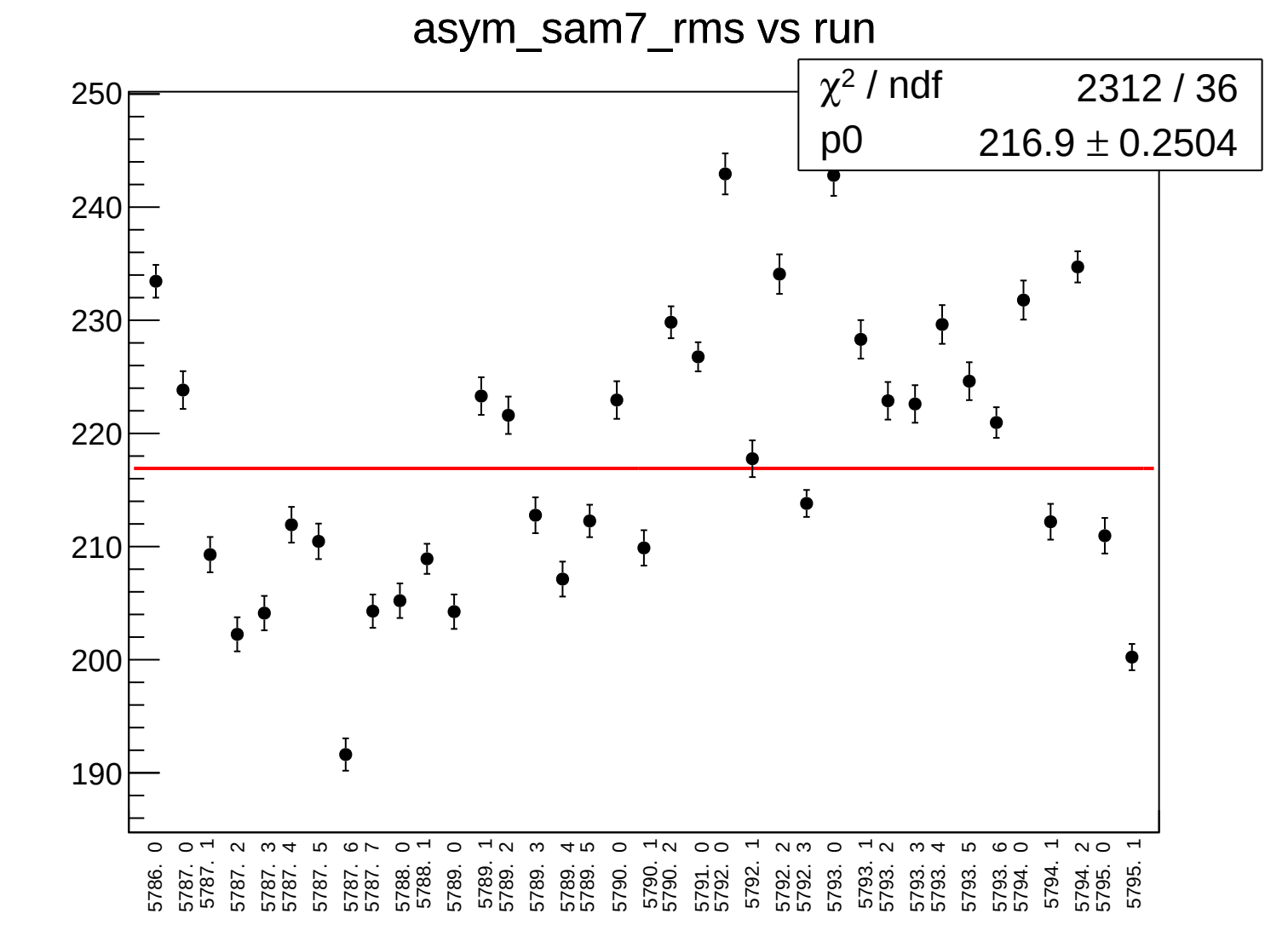

asym_sam7_eigen_dit_correction_mean vs run
χ² / ndf 45.37 / 36
p0 454.9 ± 341.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 94.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

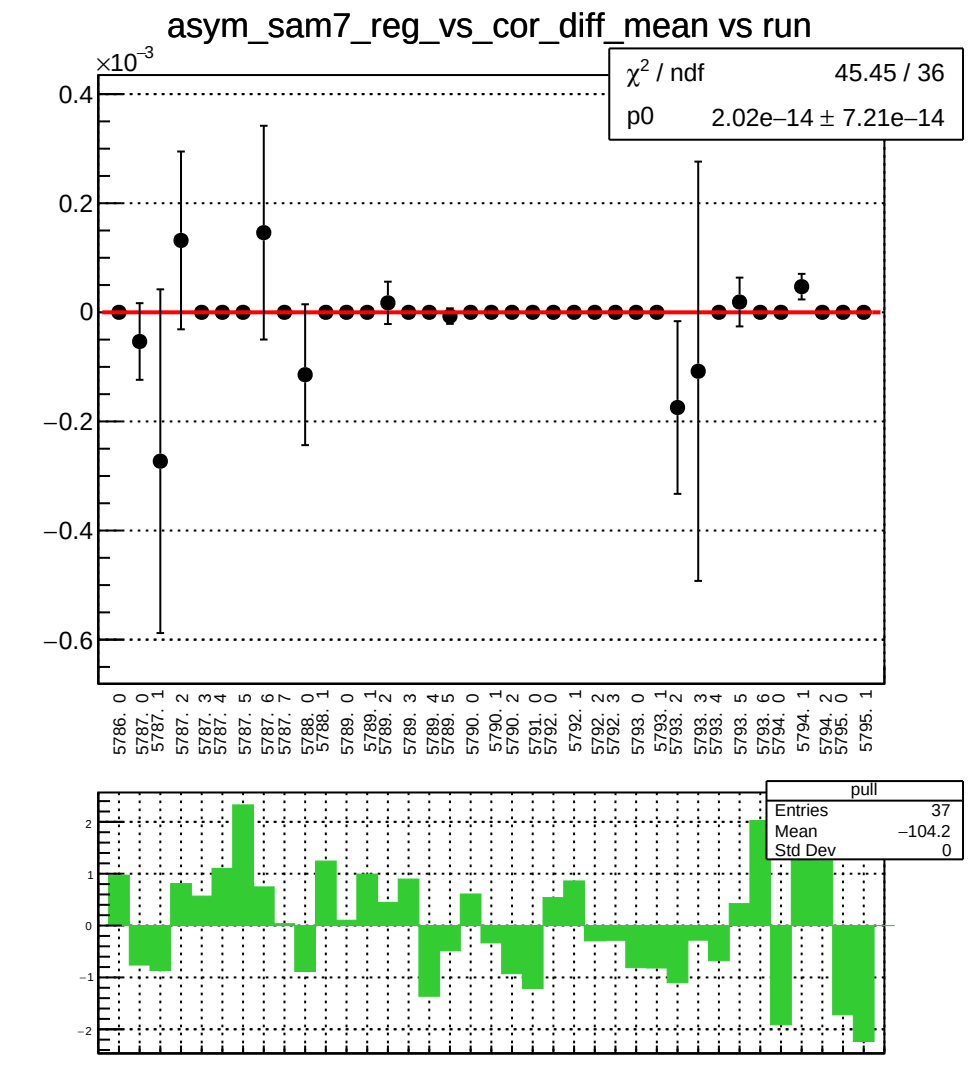

pull1D
Entries 37
Mean 0.002566
Std Dev 1.107
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

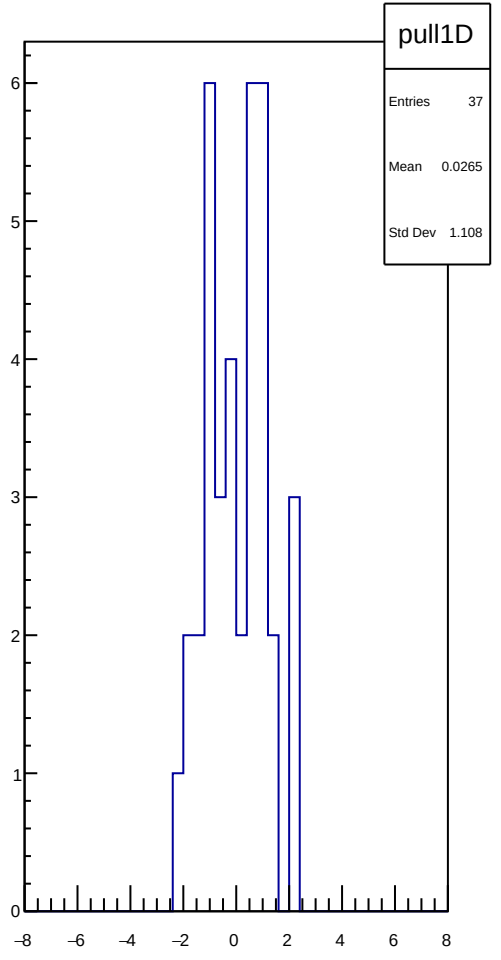

asym_sam7_eigen_dit_correction_rms vs run
χ² / ndf 2710 / 36
p0 208.9 ± 0.2412
240
230
220
210
200
190
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

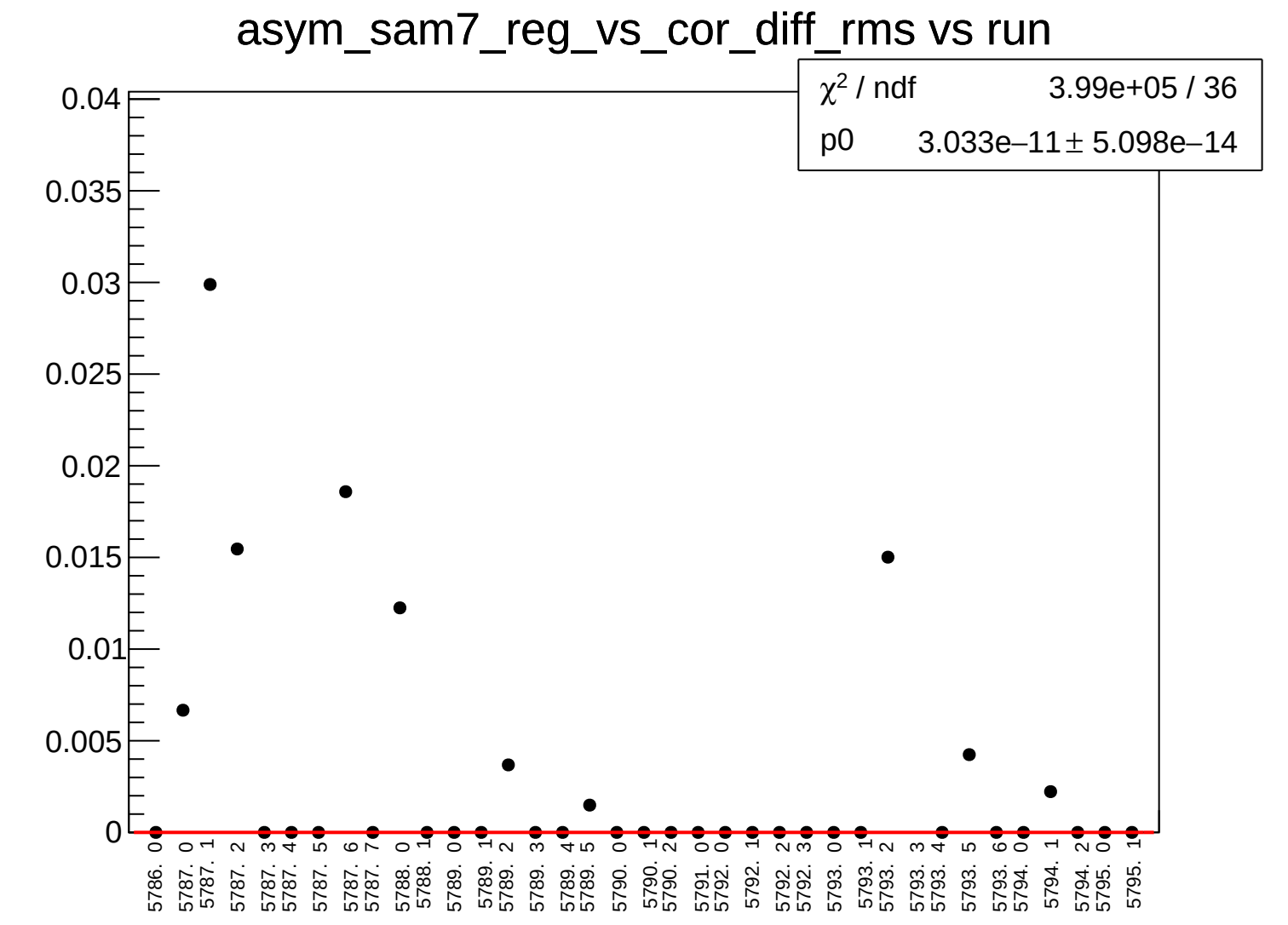

asym_sam7_mean vs run
χ² / ndf 43.65 / 36
p0 −513.8 ± 354.1
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −267.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

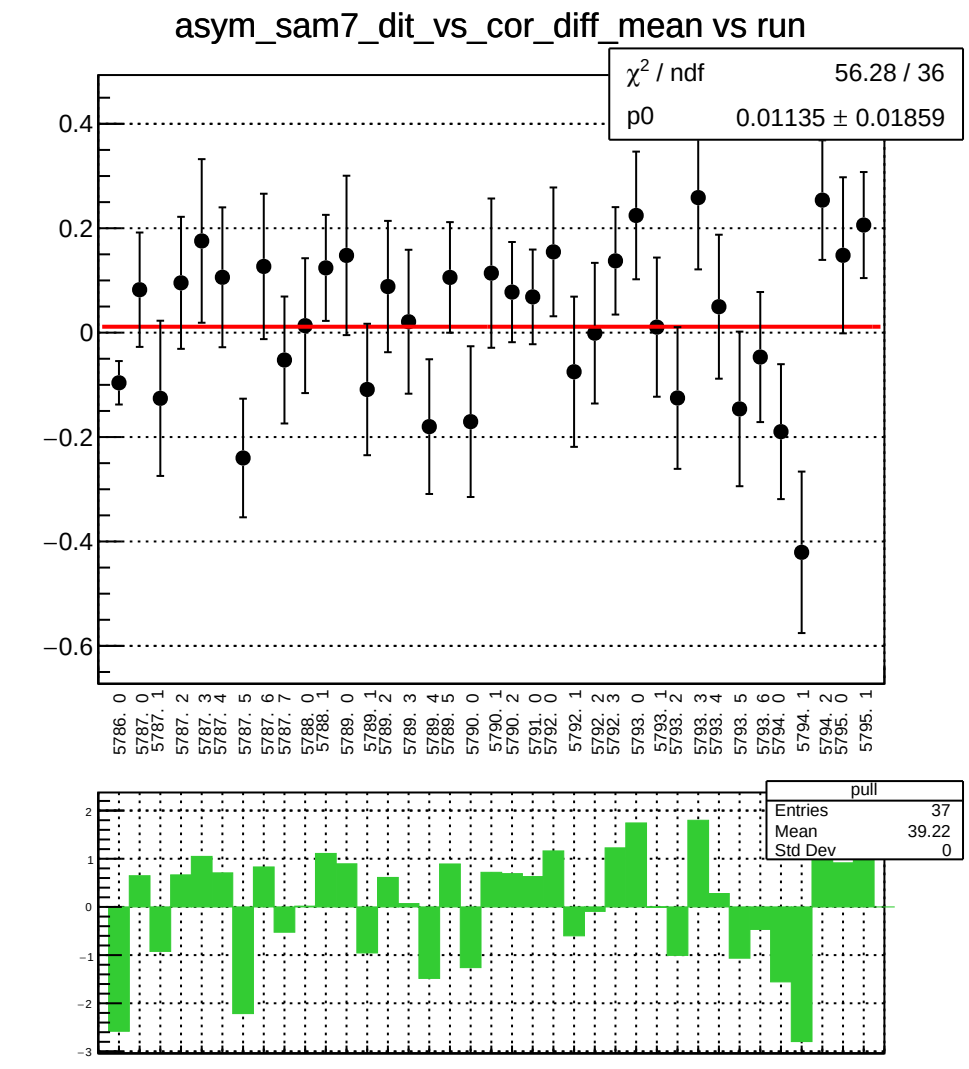

pull1D
Entries 37
Mean 0.002603
Std Dev 1.086
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

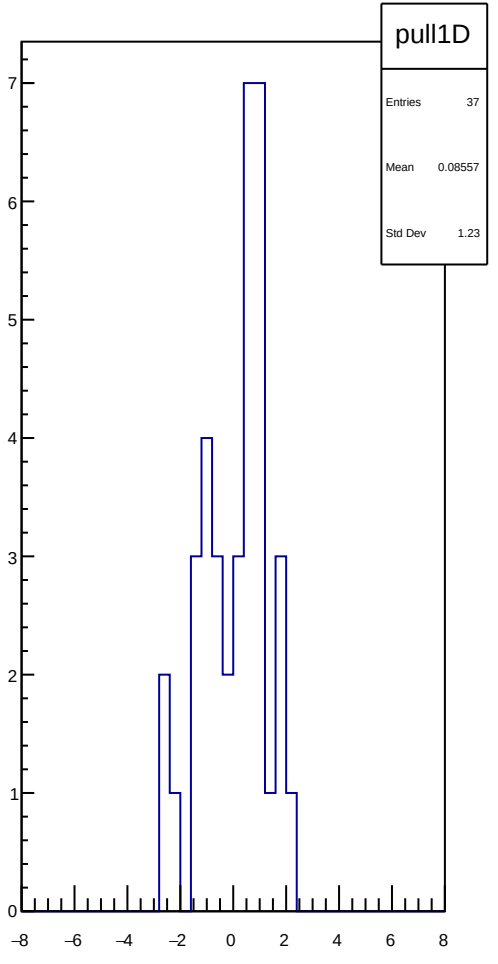

asym_sam7_rms vs run
χ² / ndf 2312 / 36
p0 216.9 ± 0.2504
250
240
230
220
210
200
190
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

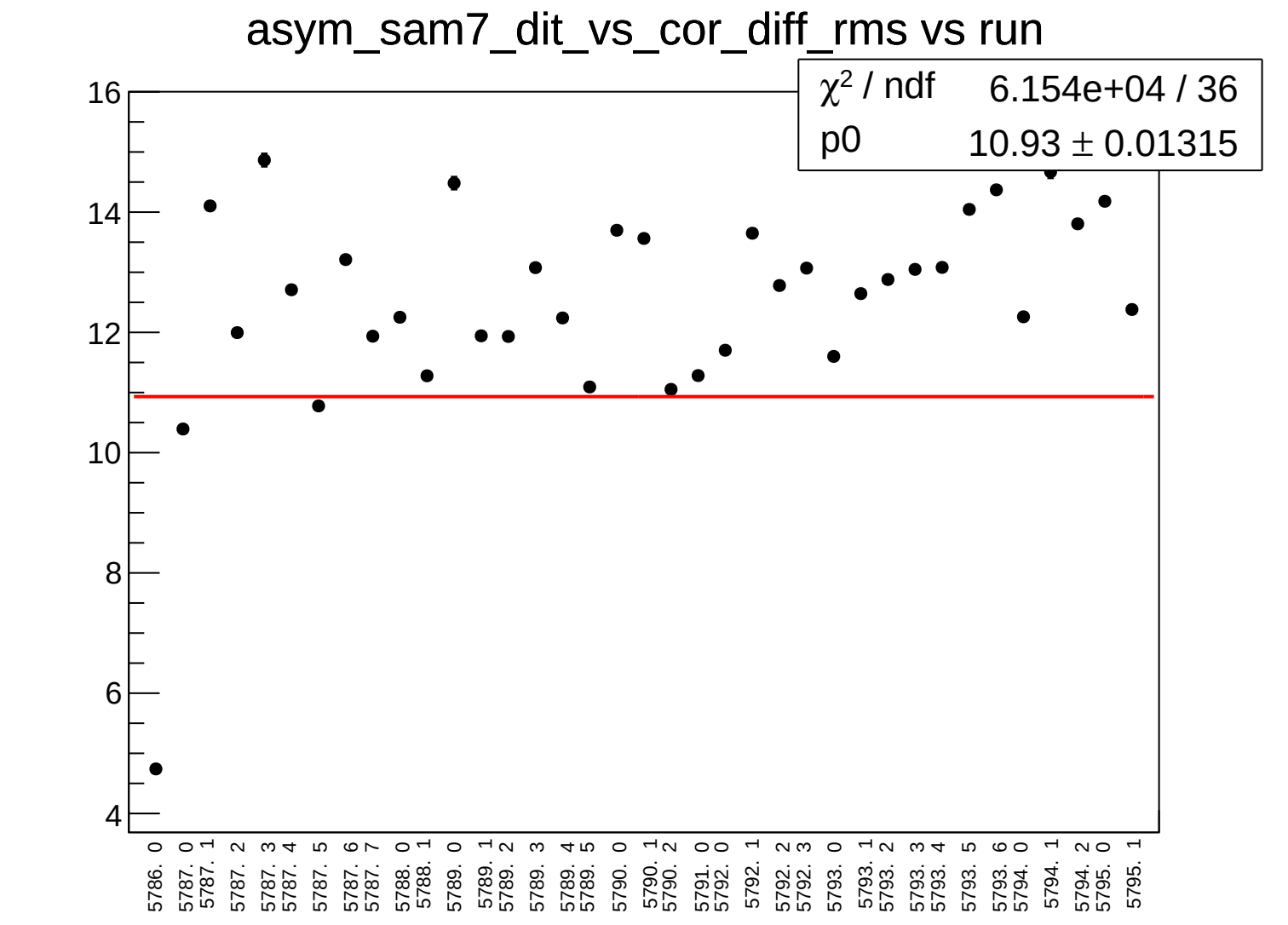

asym_sam7_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 45.45 / 36
p0 2.02e−14 ± 7.21e−14
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1
0
−1
−2

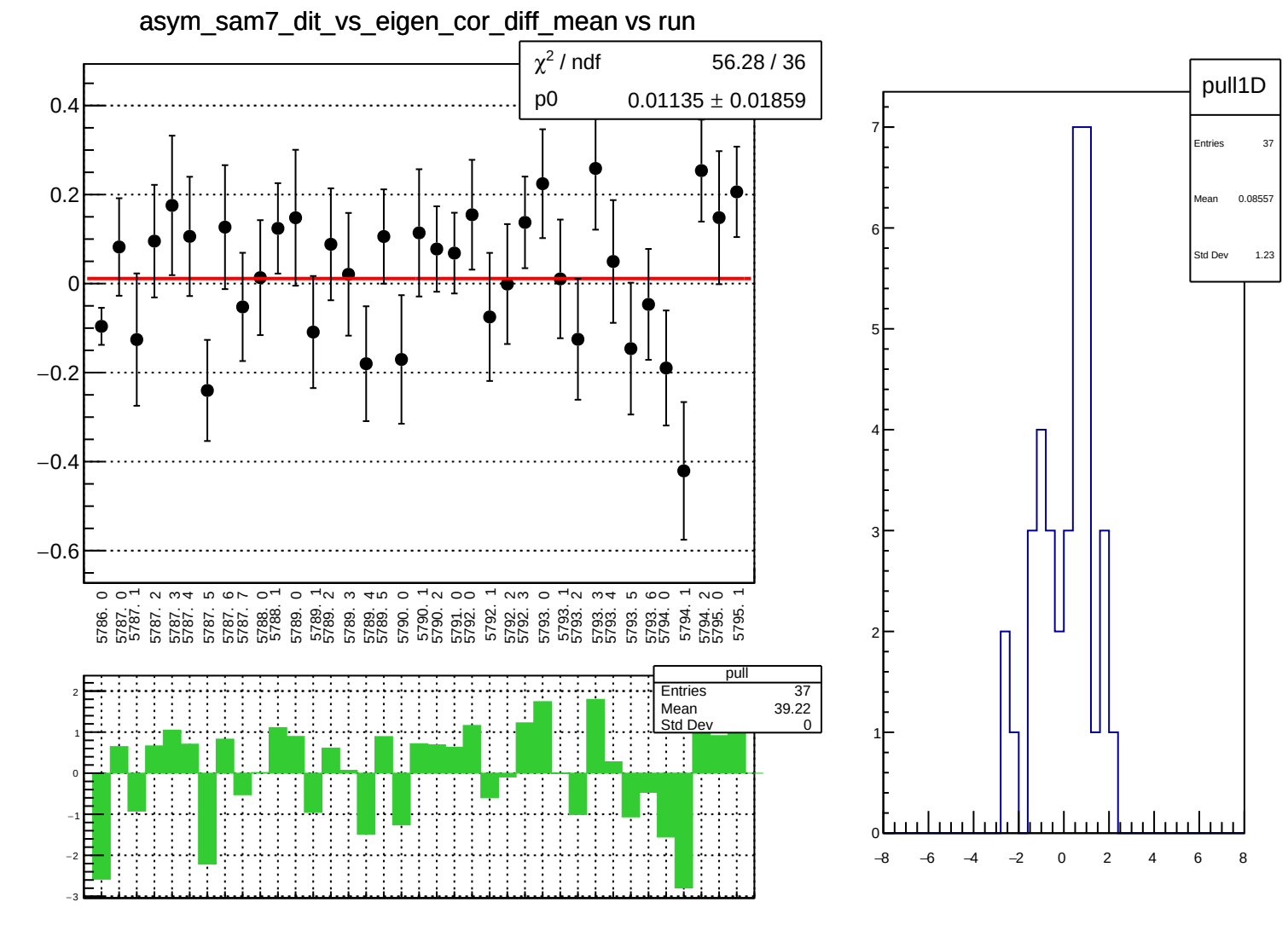

pull1D
Entries 37
Mean 0.0265
Std Dev 1.108
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

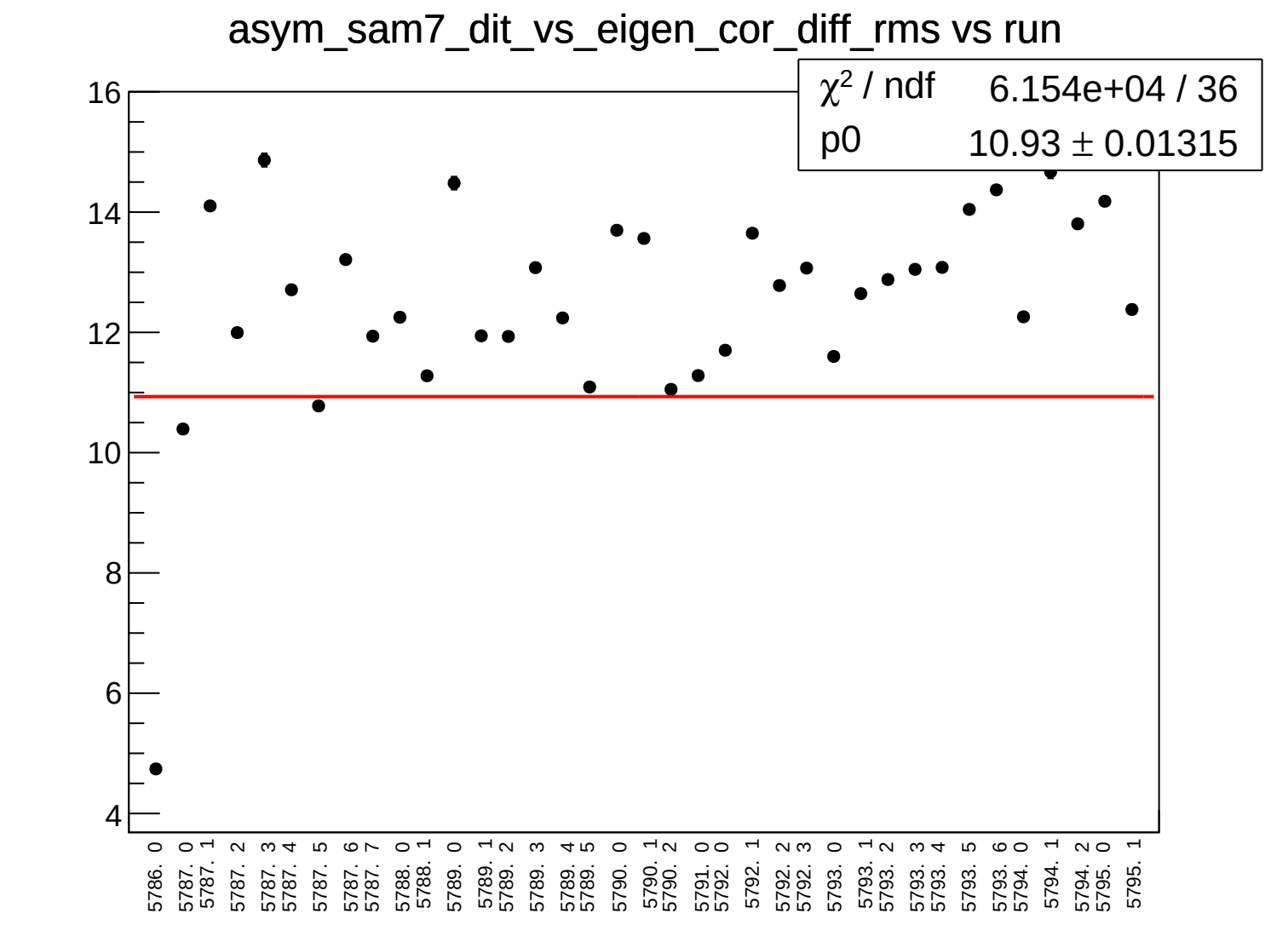

asym_sam7_reg_vs_cor_diff_rms vs run
χ² / ndf 3.99e+05 / 36
p0 3.033e−11 ± 5.098e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

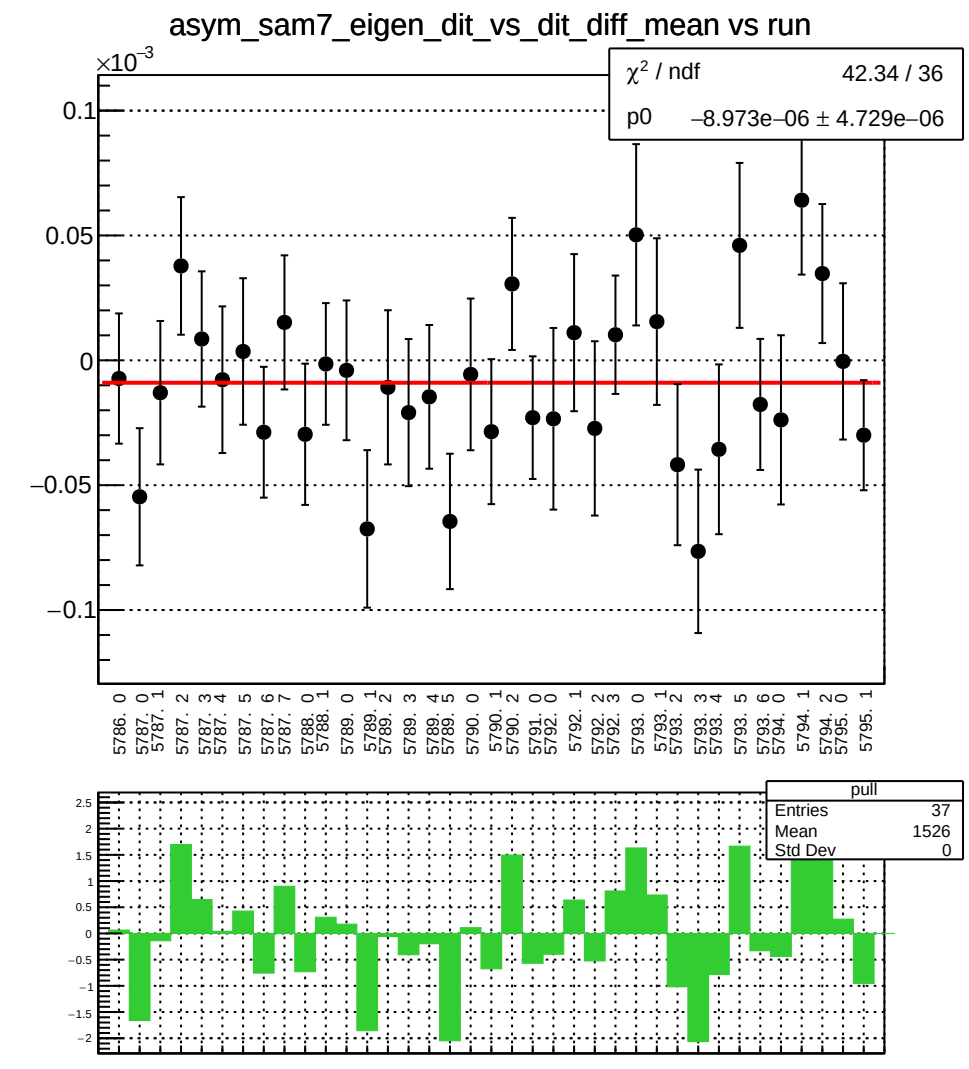

asym_sam7_dit_vs_cor_diff_mean vs run
χ² / ndf 56.28 / 36
p0 0.01135 ± 0.01859
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.22
Std Dev 0
2
1
0
−1
−2
−3

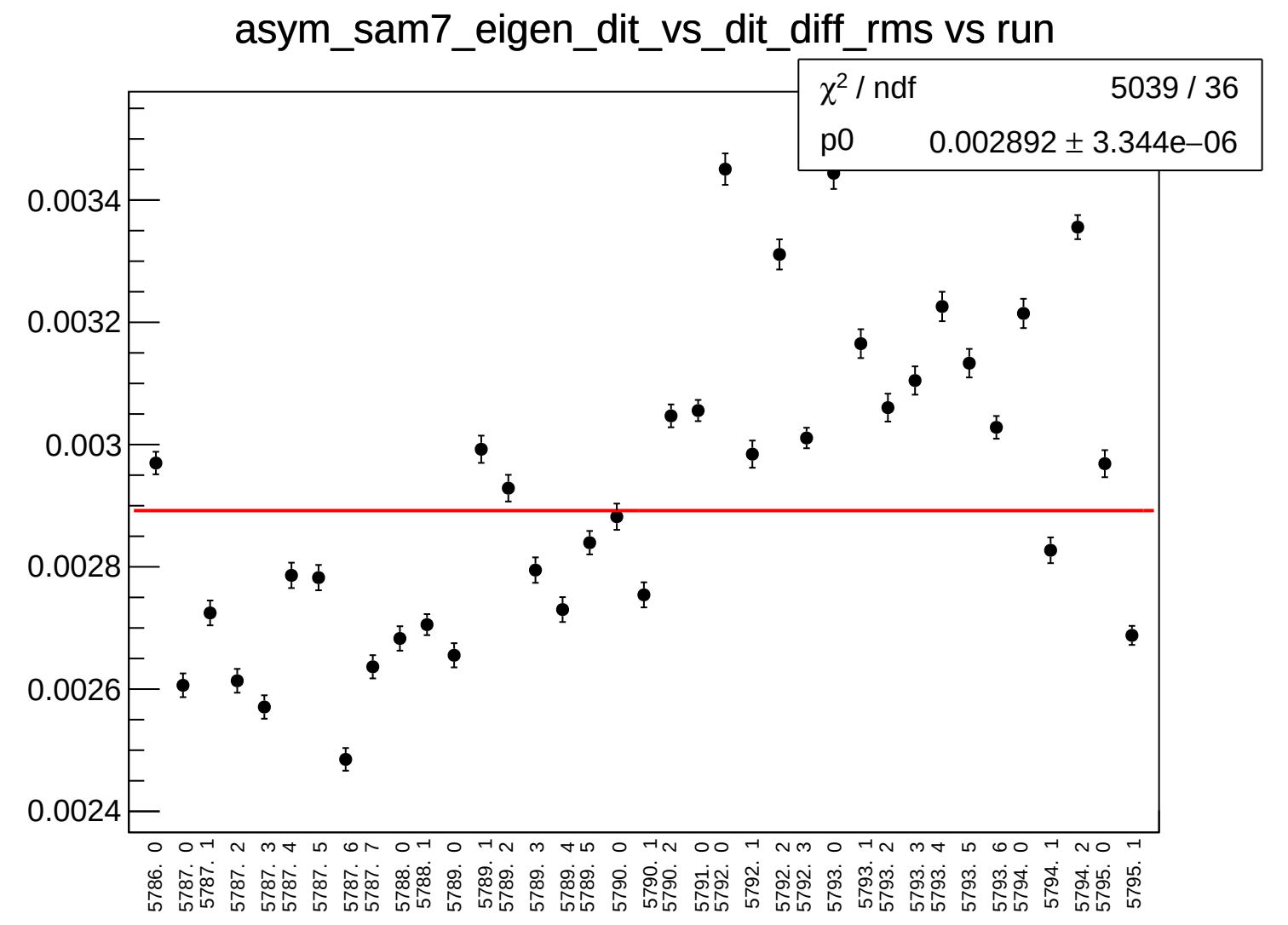

pull1D
Entries 37
Mean 0.08557
Std Dev 1.23
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

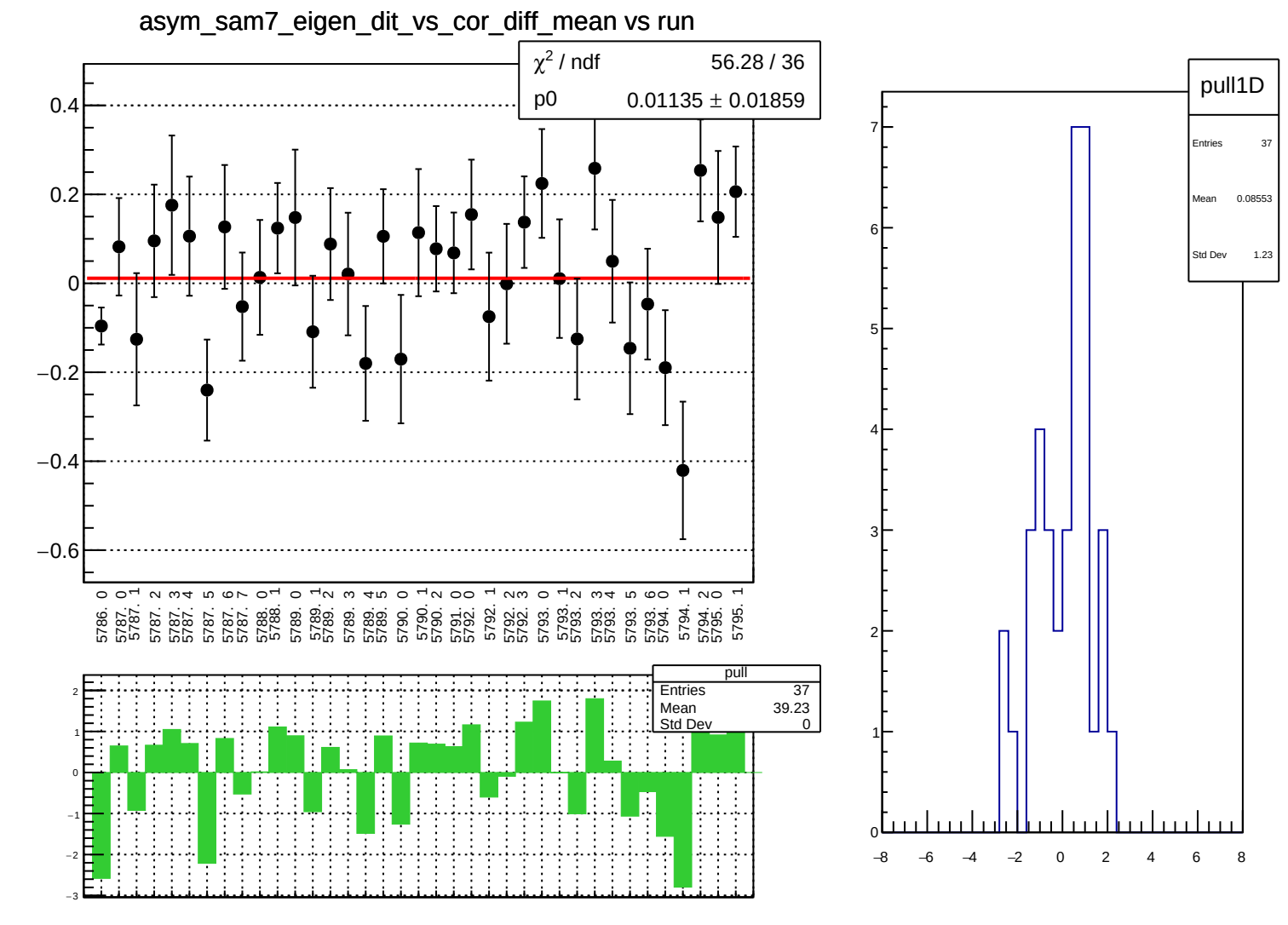

asym_sam7_dit_vs_cor_diff_rms vs run
χ2 / ndf 6.154e+04 / 36
p0 10.93 ± 0.01315
16
14
12
10
8
6
4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

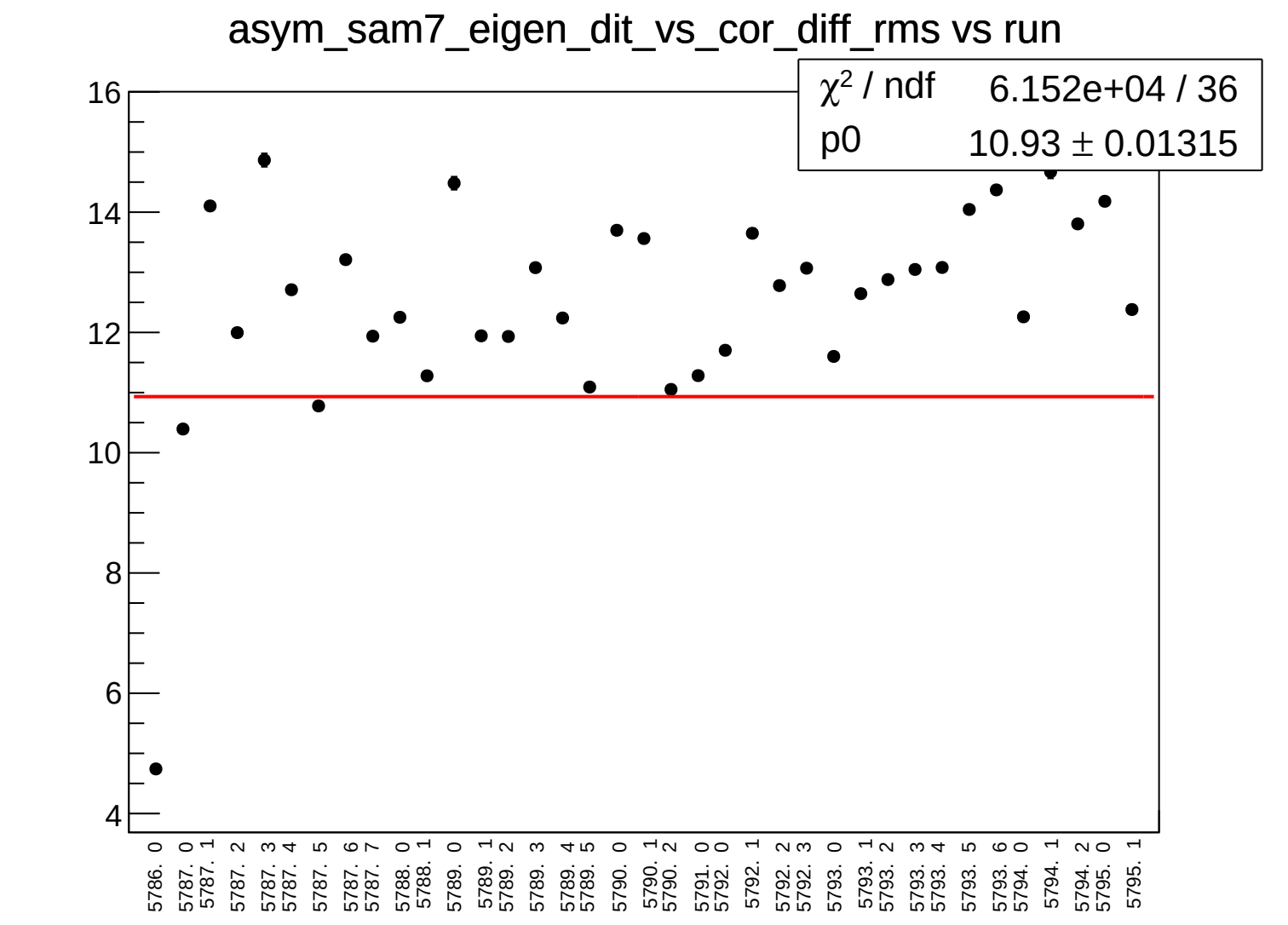

asym_sam7_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.28 / 36
p0 0.01135 ± 0.01859
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.22
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.08557
Std Dev 1.23
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

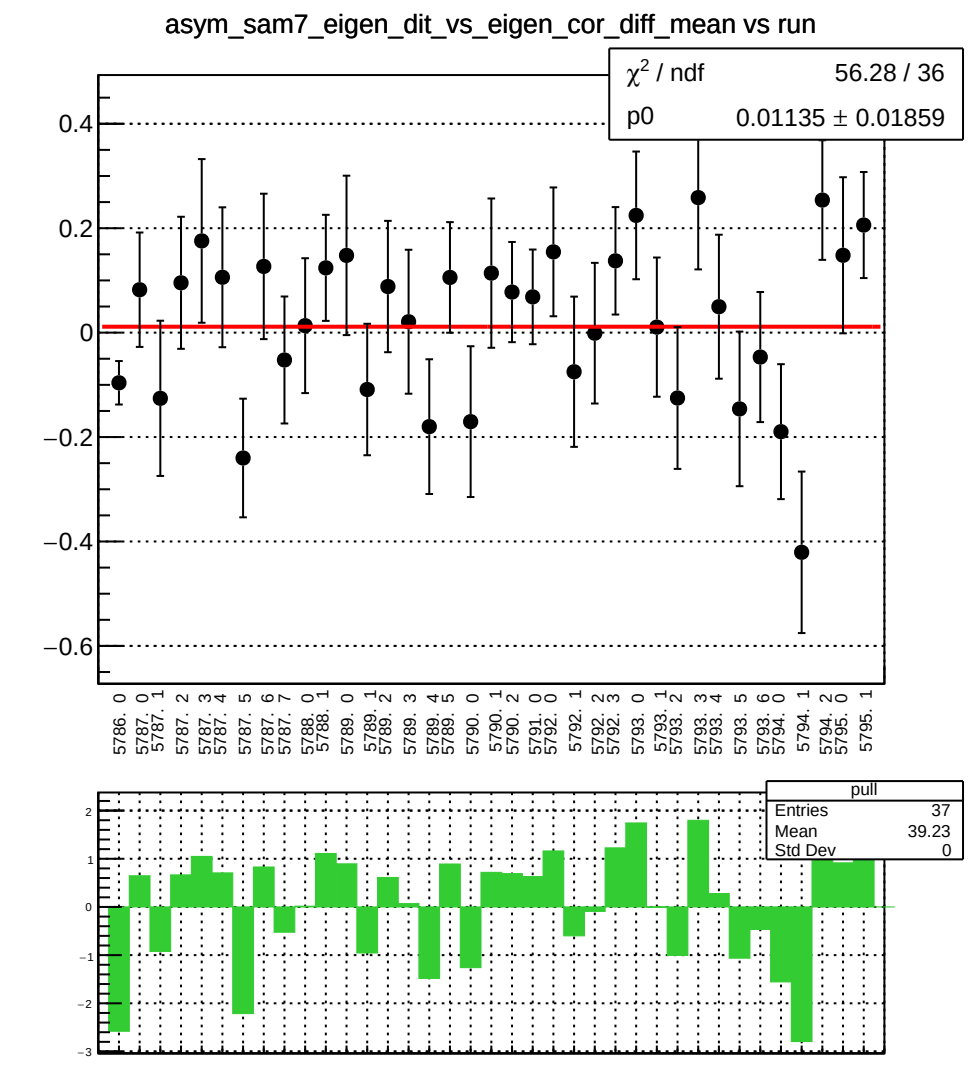

asym_sam7_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.154e+04 / 36
p0 10.93 ± 0.01315
16
14
12
10
8
6
4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

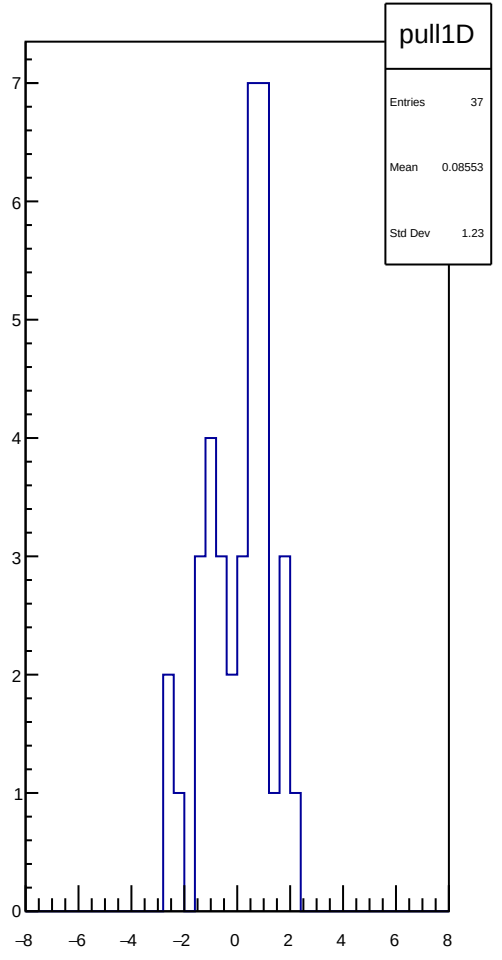

asym_sam7_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 42.34 / 36
p0 −8.973e−06 ± 4.729e−06
0.1
0.05
0
−0.05
−0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1526
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0009102
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

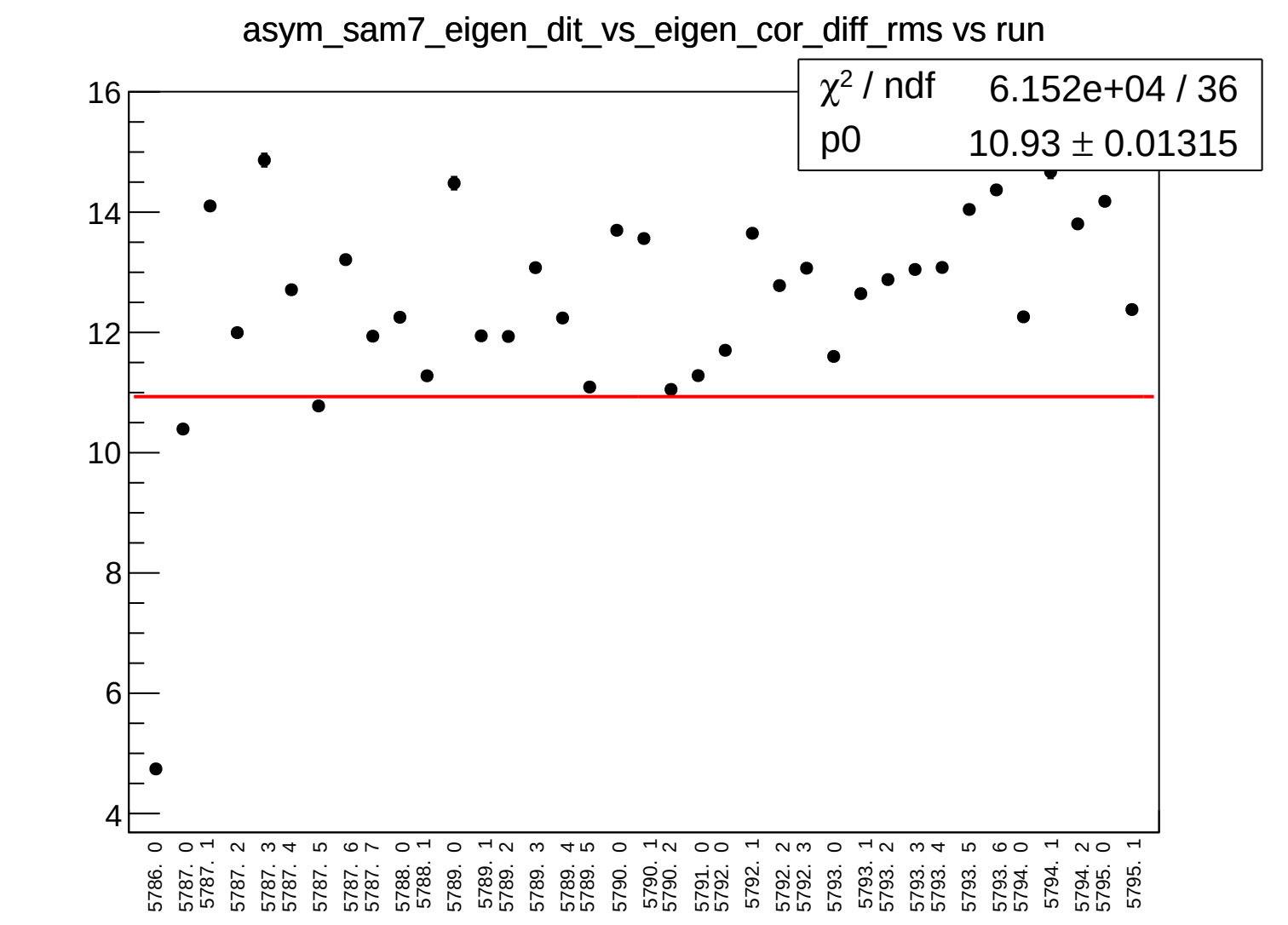

asym_sam7_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5039 / 36
p0 0.002892 ± 3.344e−06
0.0034
0.0032
0.003
0.0028
0.0026
0.0024
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

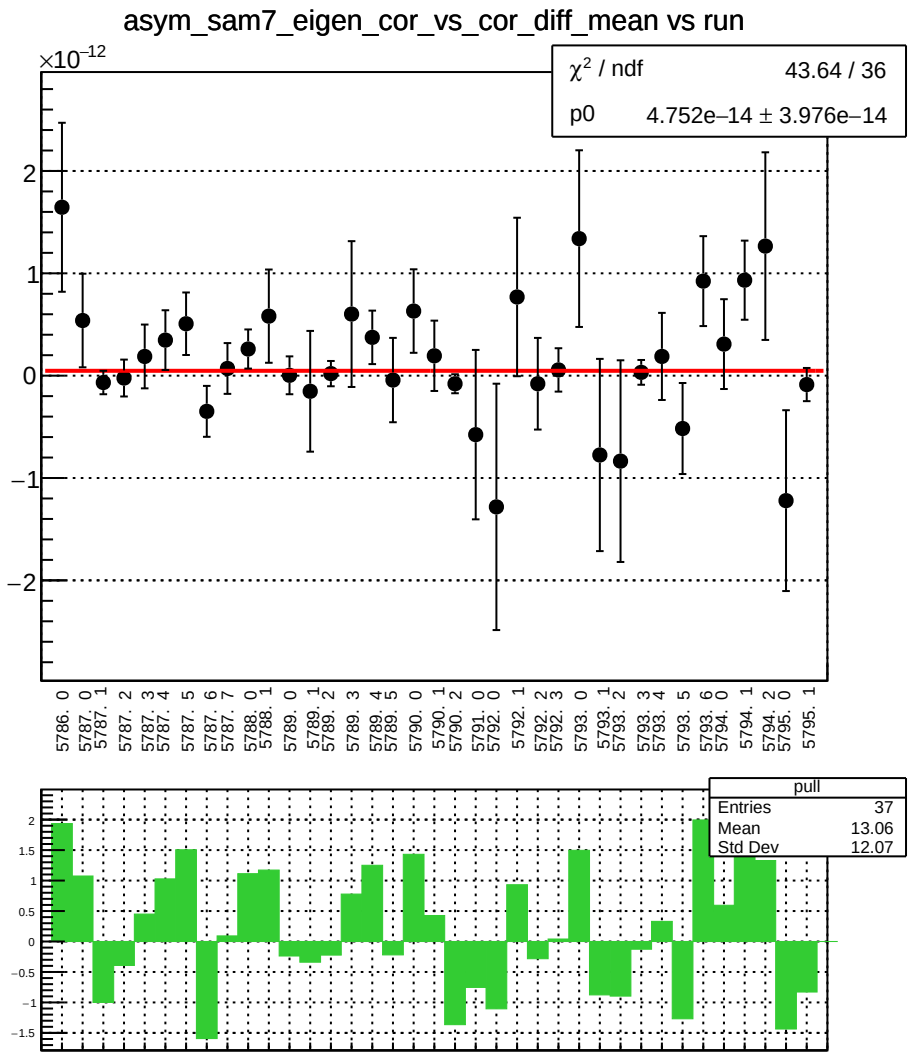

asym_sam7_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 56.28 / 36
p0 0.01135 ± 0.01859
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.23
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.08553
Std Dev 1.23
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

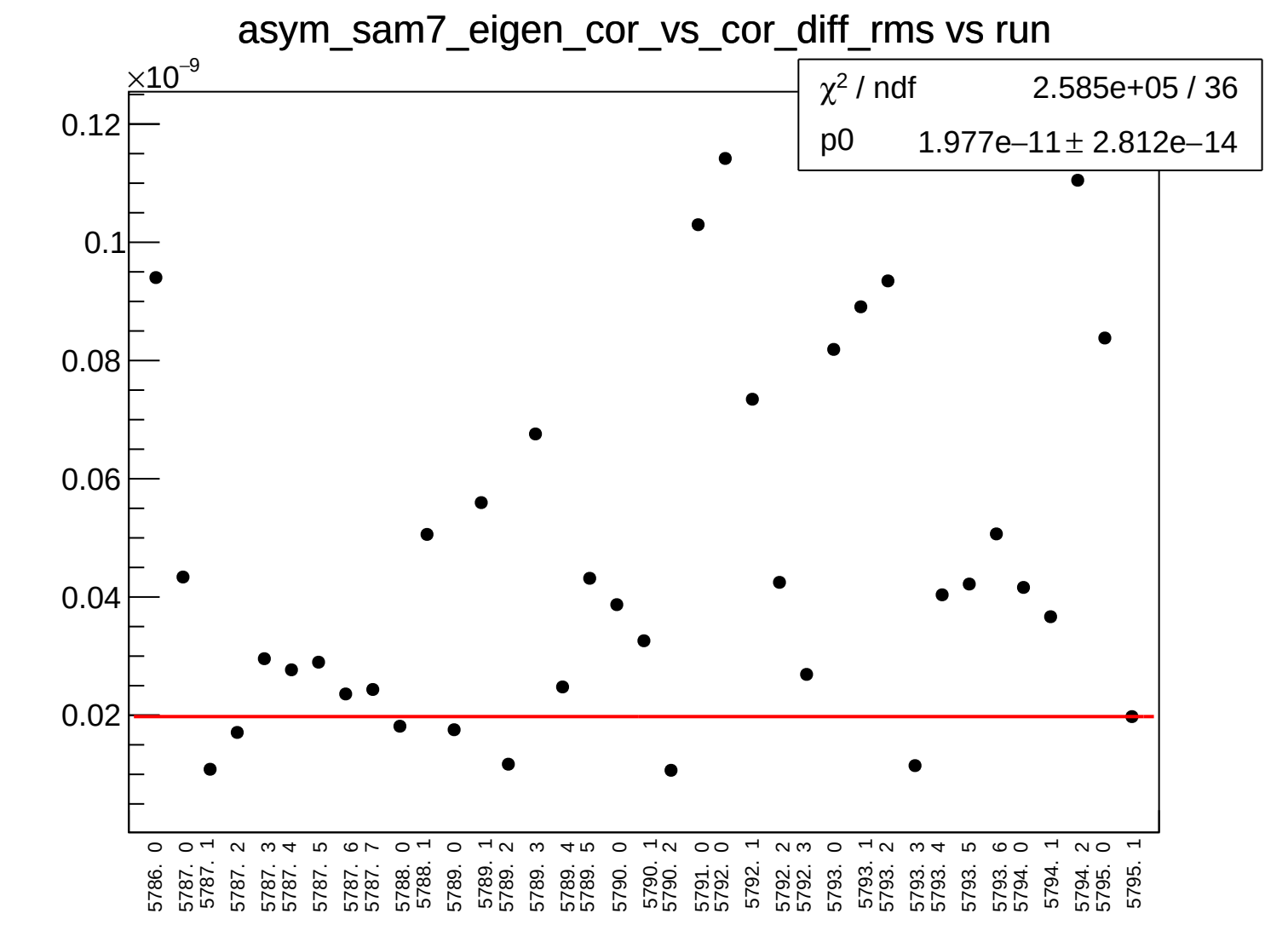

asym_sam7_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 6.152e+04 / 36
p0 10.93 ± 0.01315
16
14
12
10
8
6
4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

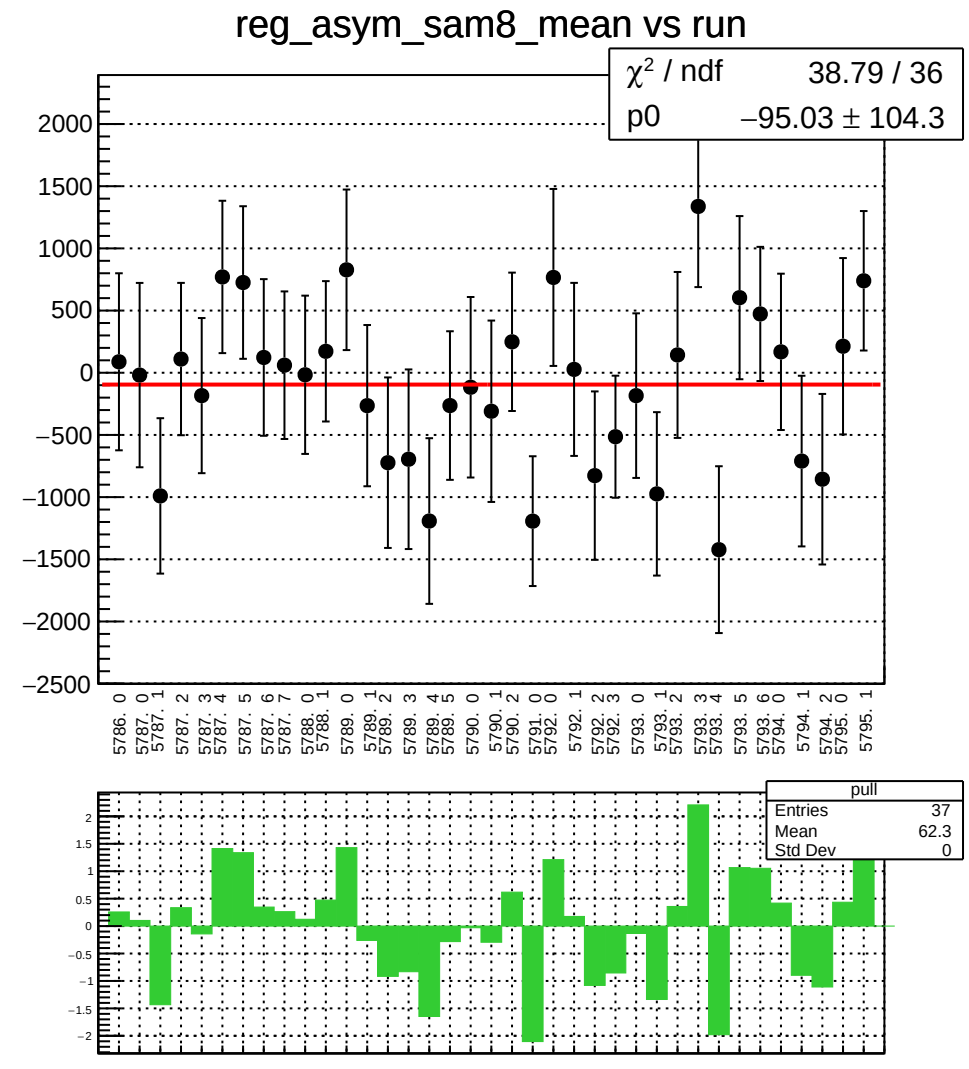

asym_sam7_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 56.28 / 36
p0 0.01135 ± 0.01859
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.23
Std Dev 0
2
1
0
−1
−2
−3

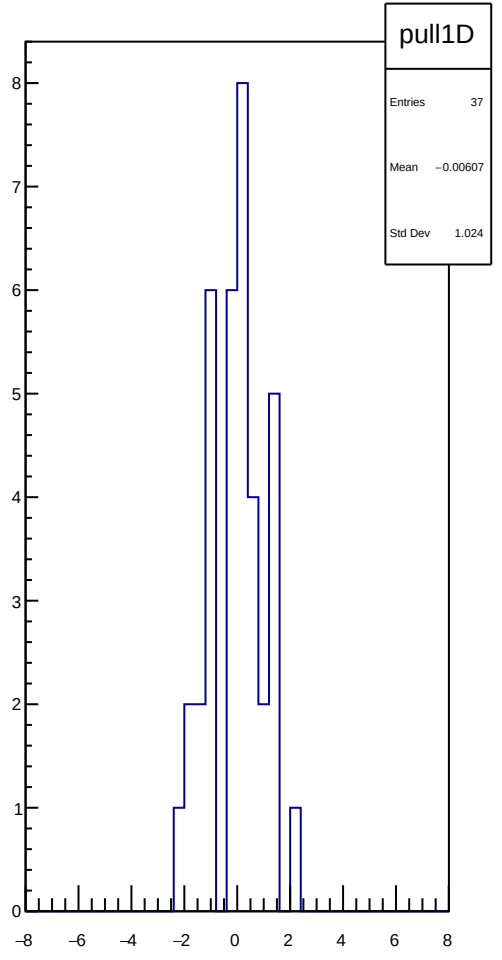

pull1D
Entries 37
Mean 0.08553
Std Dev 1.23
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

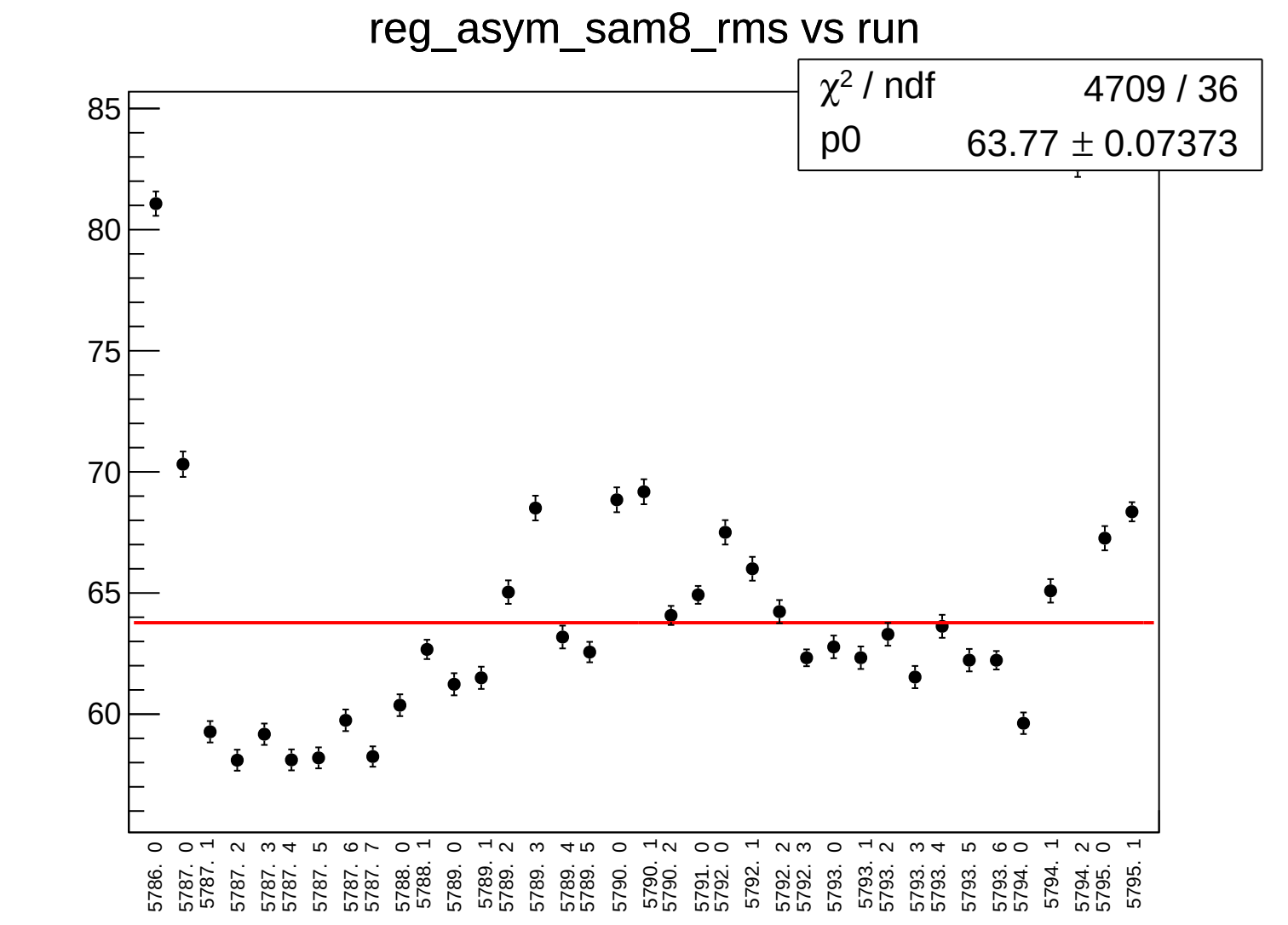

asym_sam7_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 6.152e+04 / 36
p0 10.93 ± 0.01315
16
14
12
10
8
6
4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

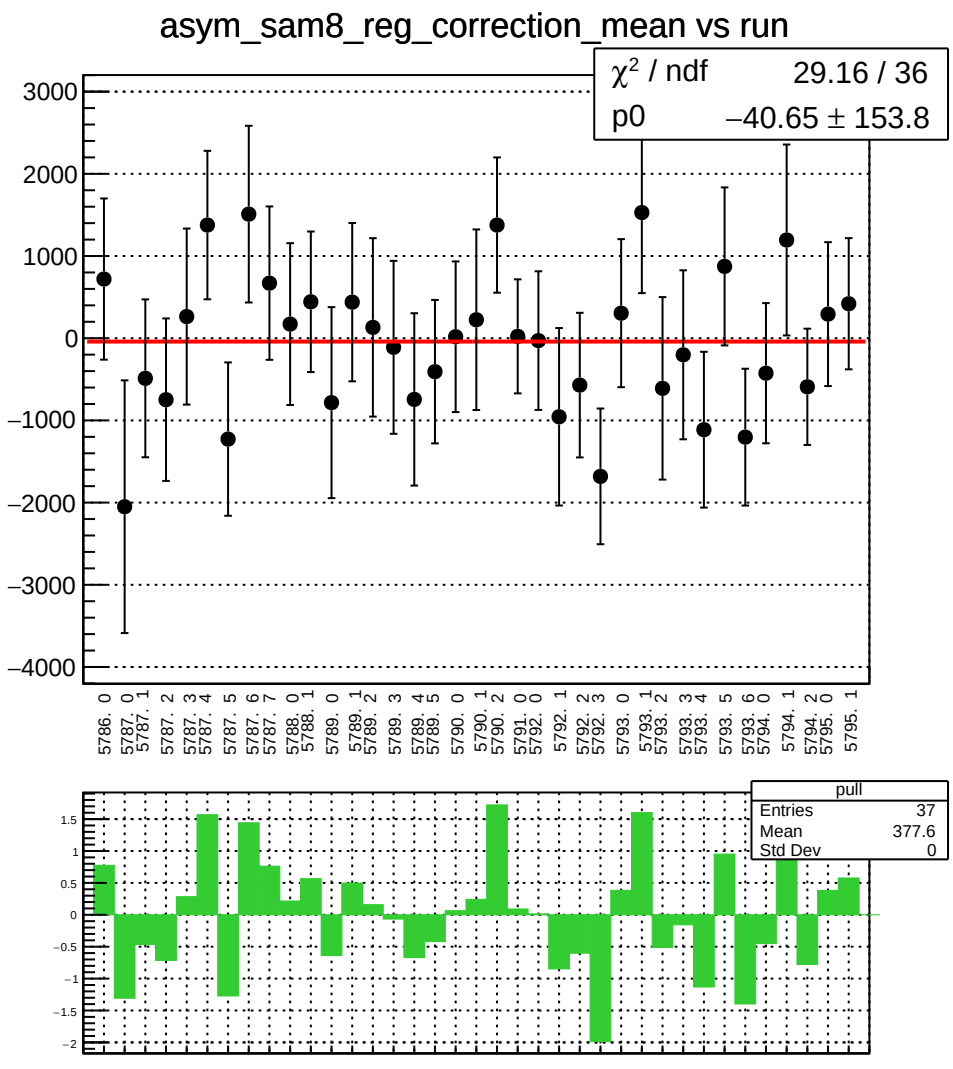

asym_sam7_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 43.64 / 36
p0 4.752e−14 ± 3.976e−14
2
1
0
−1
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.06
Std Dev 12.07
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.2249
Std Dev 1.063
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

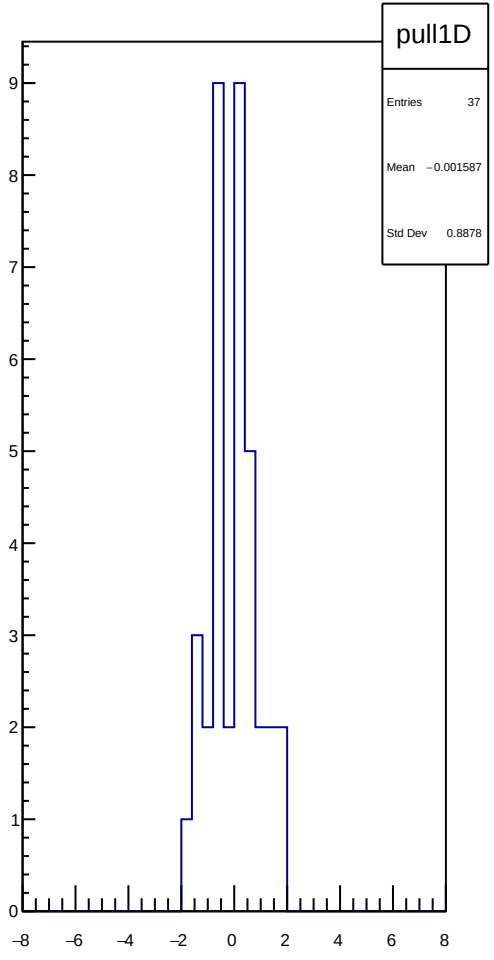

asym_sam7_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.585e+05 / 36
p0 1.977e−11 ± 2.812e−14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

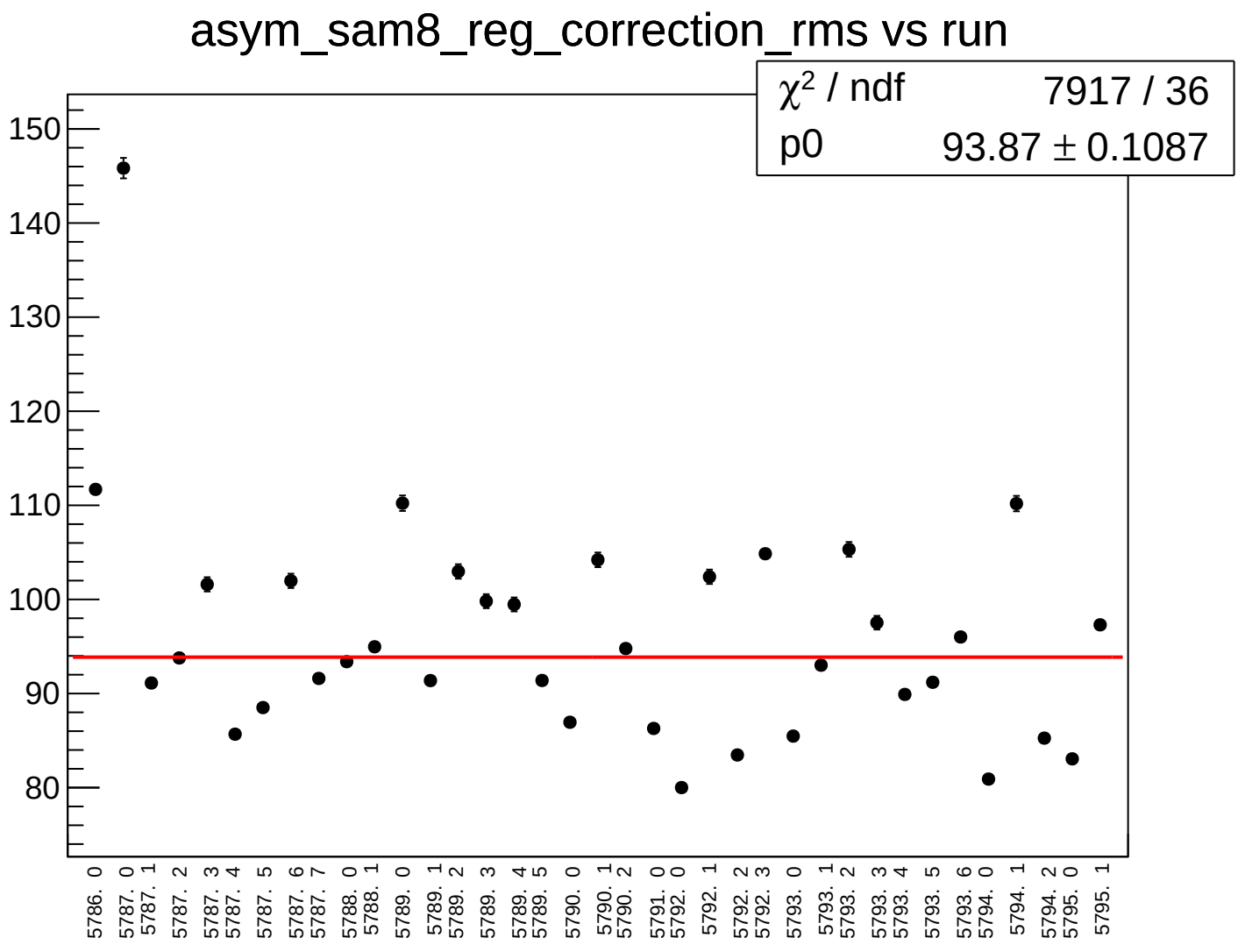

reg_asym_sam8_mean vs run
χ² / ndf 38.79 / 36
p0 −95.03 ± 104.3
2000
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 62.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

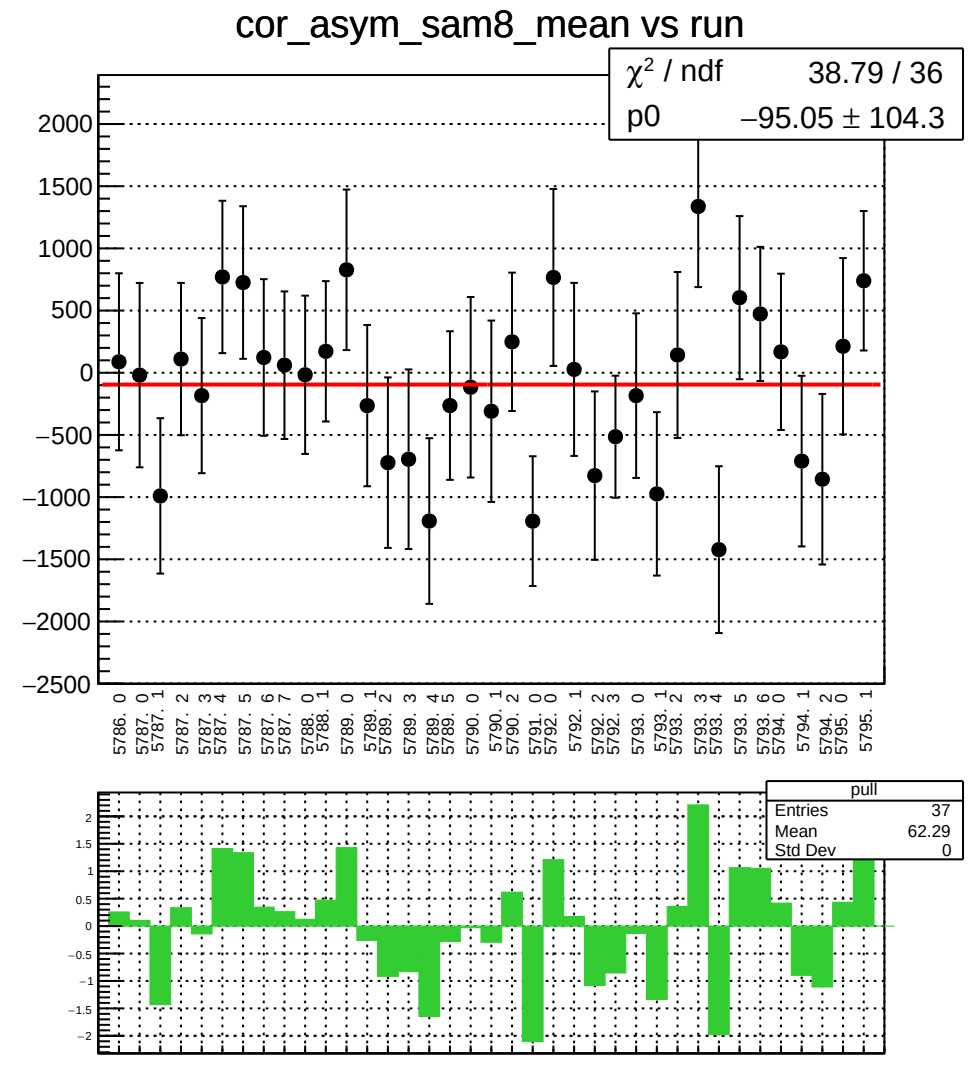

pull1D
Entries 37
Mean −0.00607
Std Dev 1.024
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

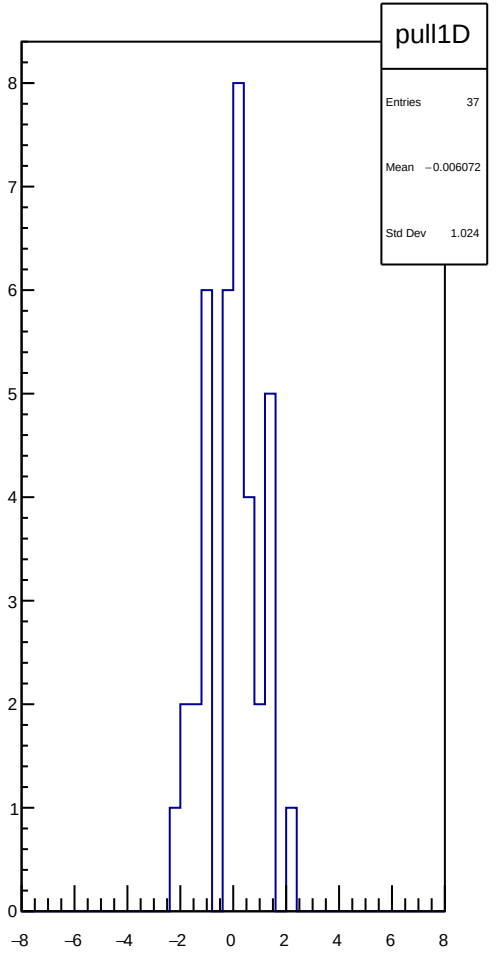

reg_asym_sam8_rms vs run
χ² / ndf 4709 / 36
p0 63.77 ± 0.07373
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

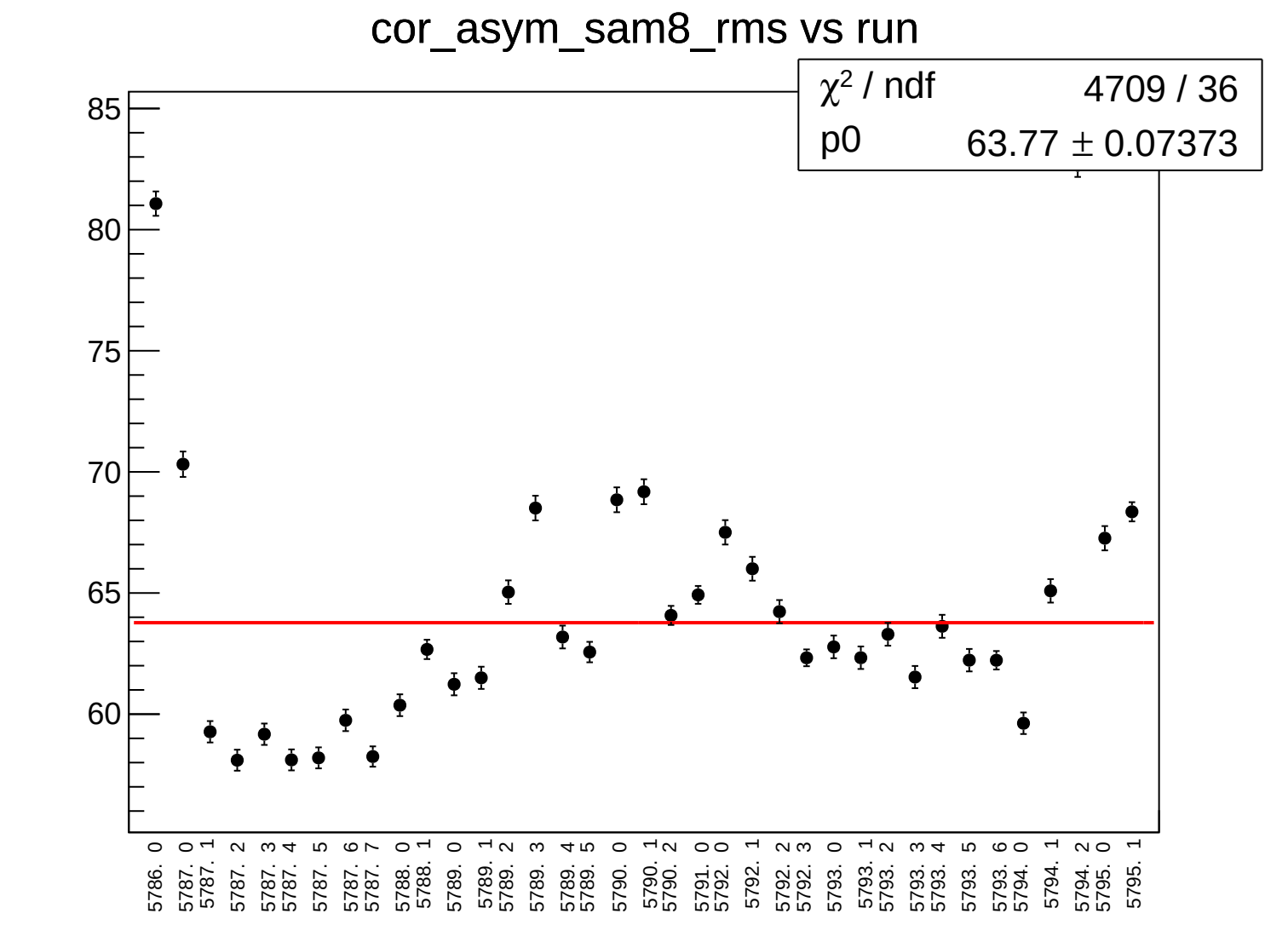

asym_sam8_reg_correction_mean vs run
χ² / ndf 29.16 / 36
p0 −40.65 ± 153.8
pull
Entries 37
Mean 377.6
Std Dev 0


pull1D
Entries 37
Mean −0.001587
Std Dev 0.8878


asym_sam8_reg_correction_rms vs run
χ² / ndf 7917 / 36
p0 93.87 ± 0.1087
150
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam8_mean vs run
χ² / ndf 38.79 / 36
p0 −95.05 ± 104.3
pull
Entries 37
Mean 62.29
Std Dev 0


pull1D
Entries 37
Mean −0.006072
Std Dev 1.024


cor_asym_sam8_rms vs run
χ² / ndf 4709 / 36
p0 63.77 ± 0.07373
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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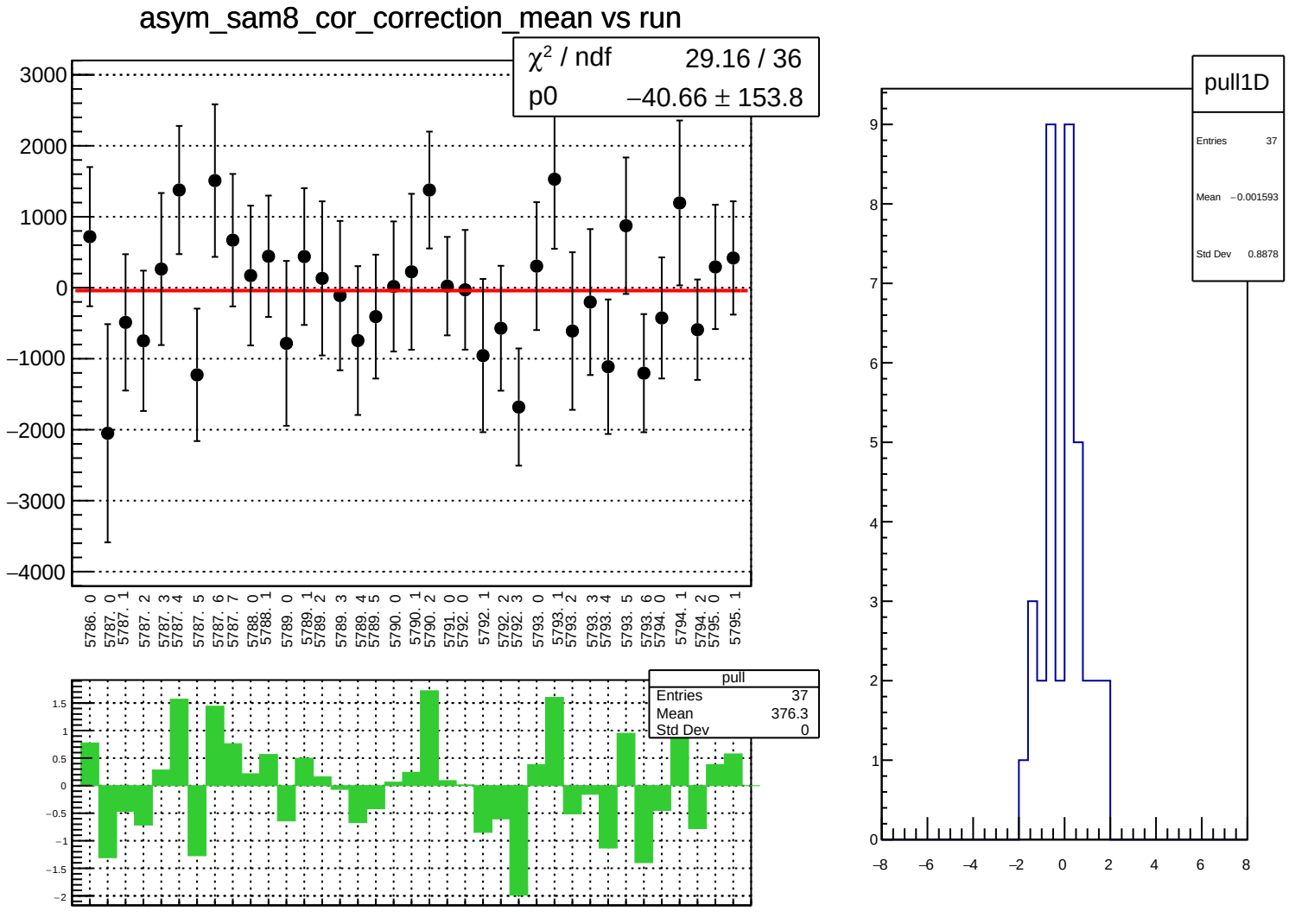
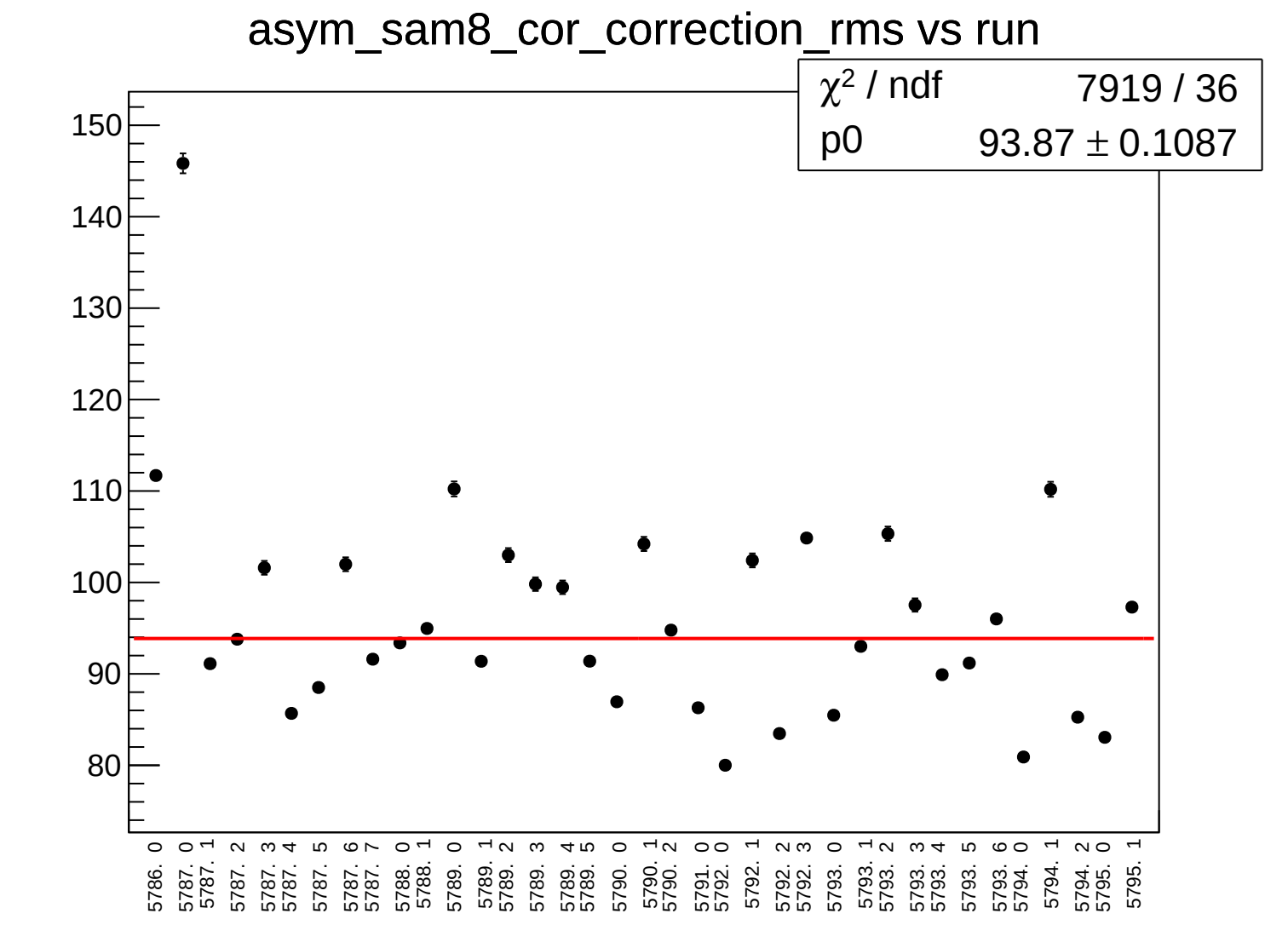
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam8_cor_correction_mean vs run
χ² / ndf 29.16 / 36
p0 −40.66 ± 153.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 376.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001593
Std Dev 0.8878
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_cor_correction_rms vs run
χ² / ndf 7919 / 36
p0 93.87 ± 0.1087
150
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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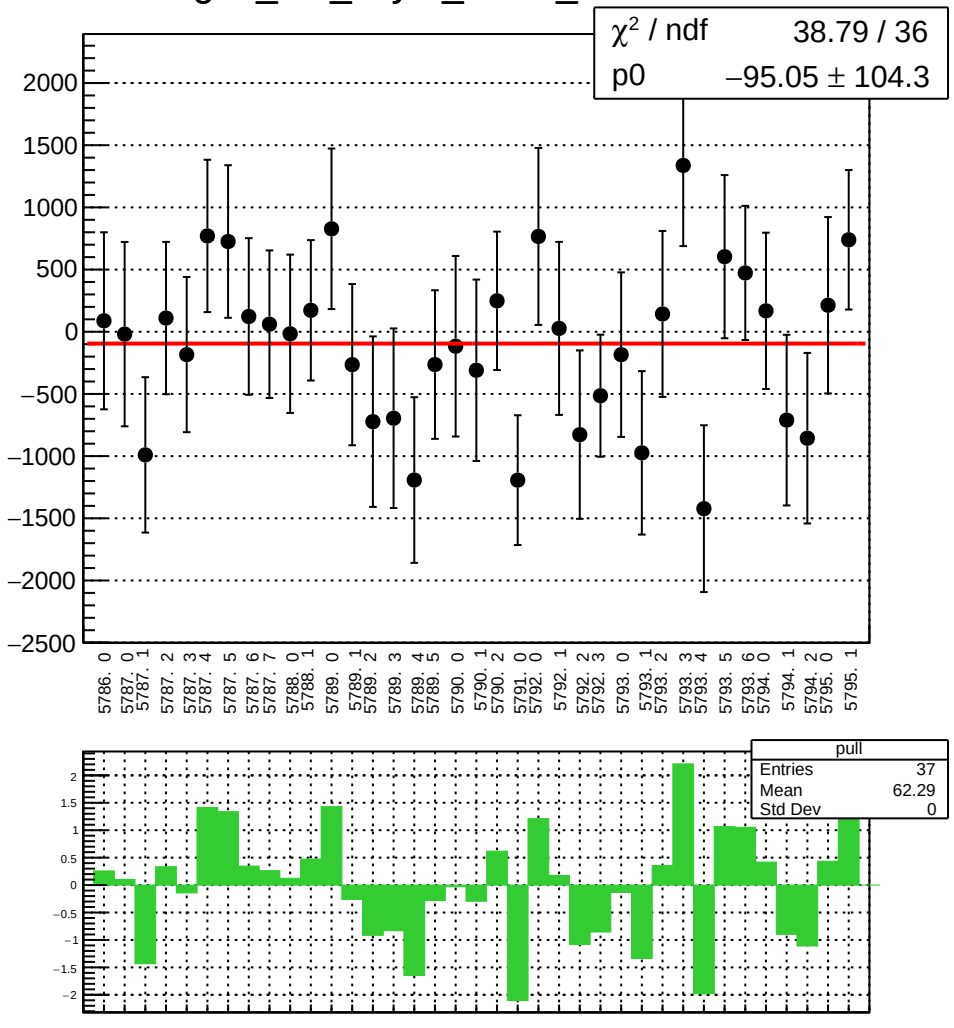
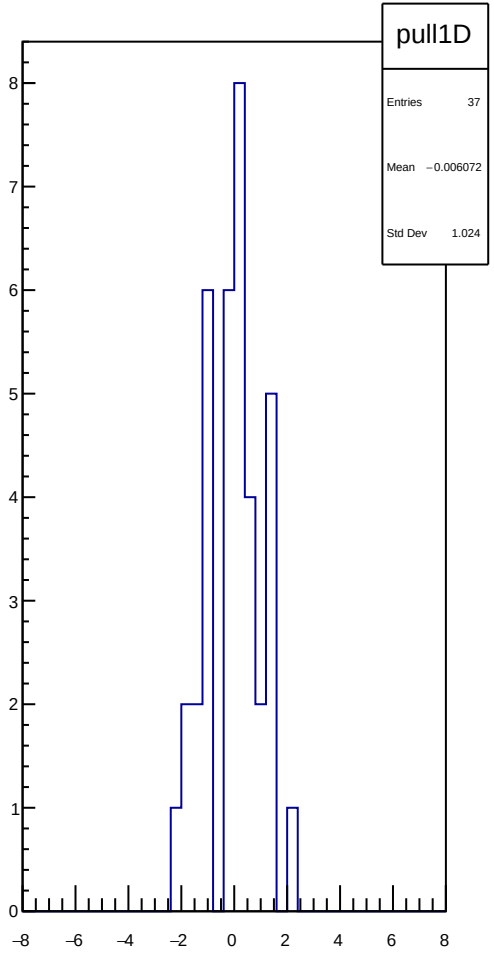
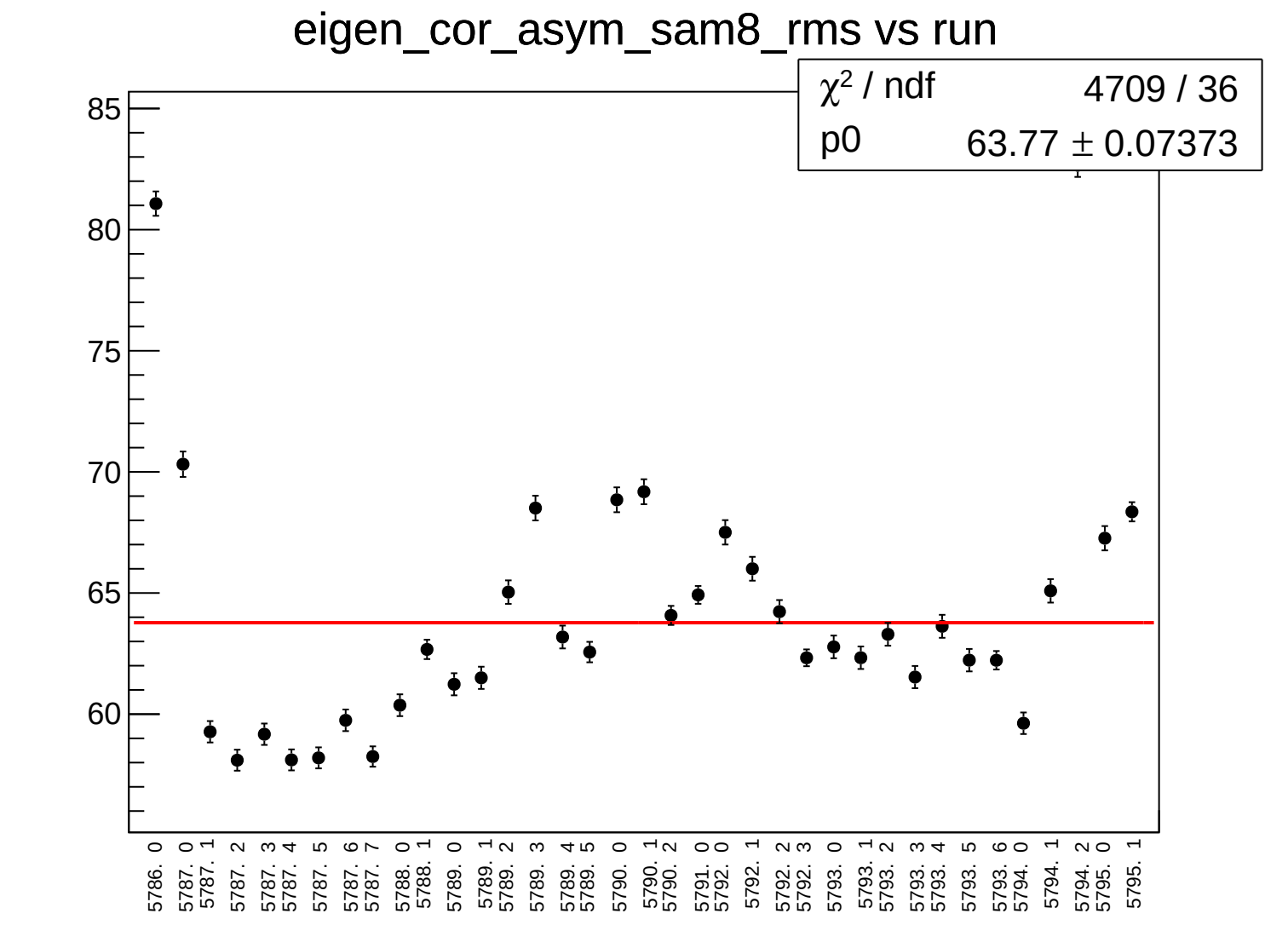
5795. 1


eigen_cor_asym_sam8_mean vs run
χ² / ndf 38.79 / 36
p0 −95.05 ± 104.3
pull
Entries 37
Mean 62.29
Std Dev 0


pull1D
Entries 37
Mean −0.006072
Std Dev 1.024


eigen_cor_asym_sam8_rms vs run
χ² / ndf 4709 / 36
p0 63.77 ± 0.07373
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
5794. 0
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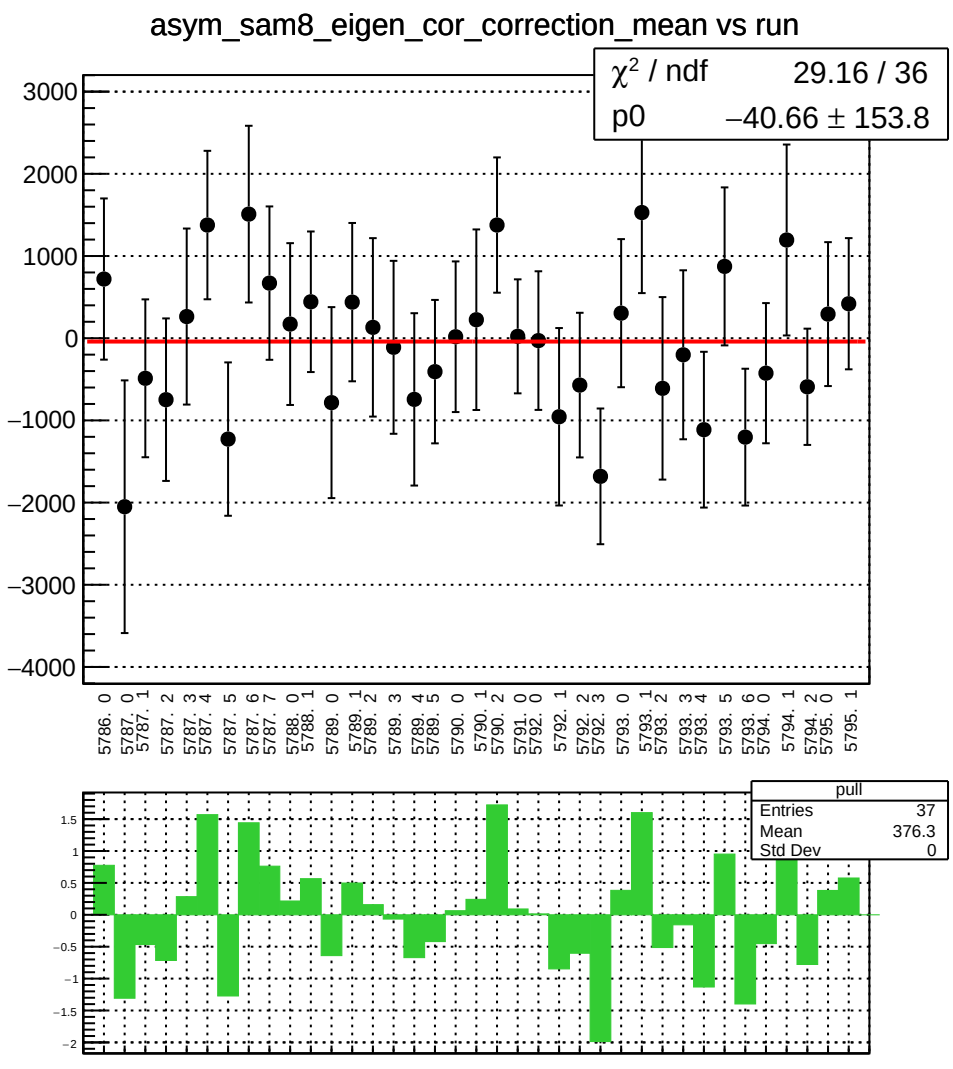
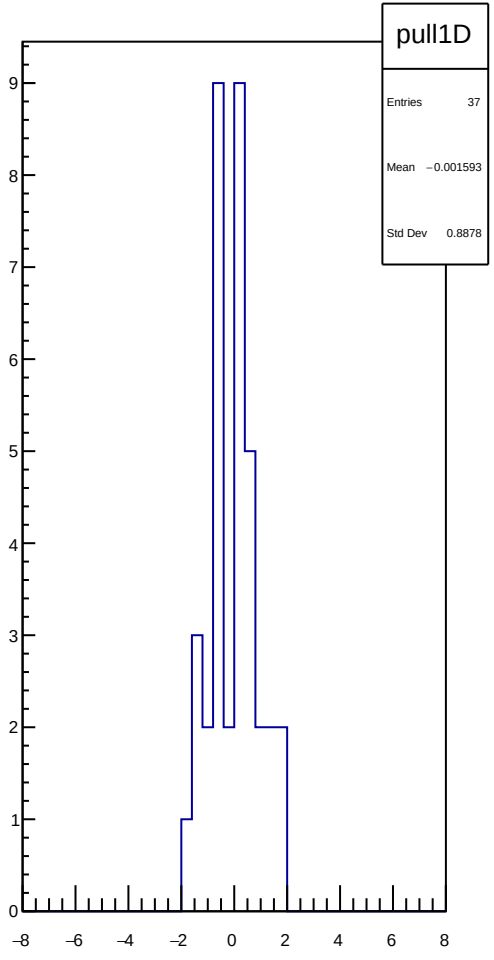
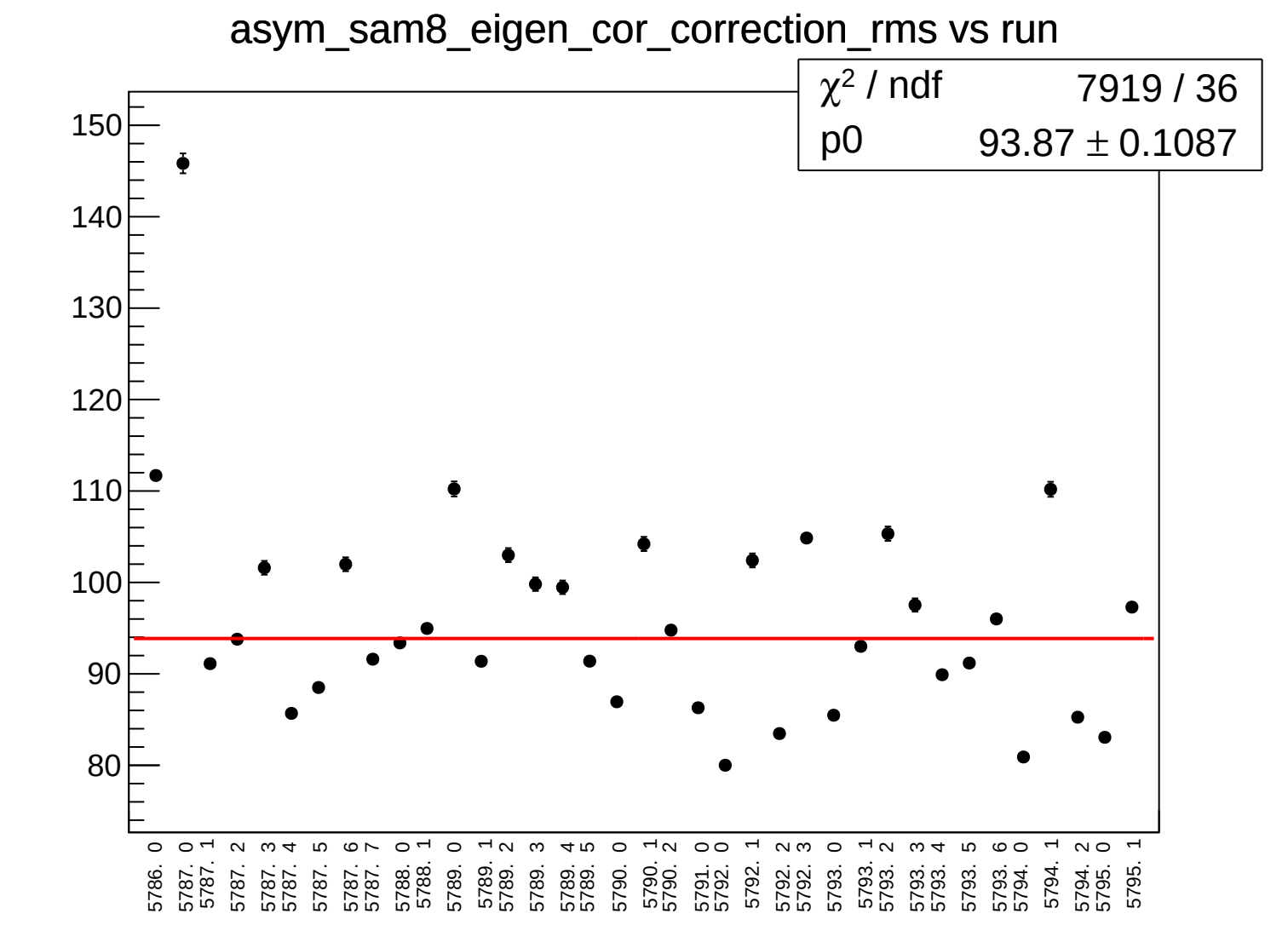
5794. 2
5795. 0
5795. 1


asym_sam8_eigen_cor_correction_mean vs run
χ² / ndf 29.16 / 36
p0 −40.66 ± 153.8
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 376.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.001593
Std Dev 0.8878
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_cor_correction_rms vs run
χ² / ndf 7919 / 36
p0 93.87 ± 0.1087
150
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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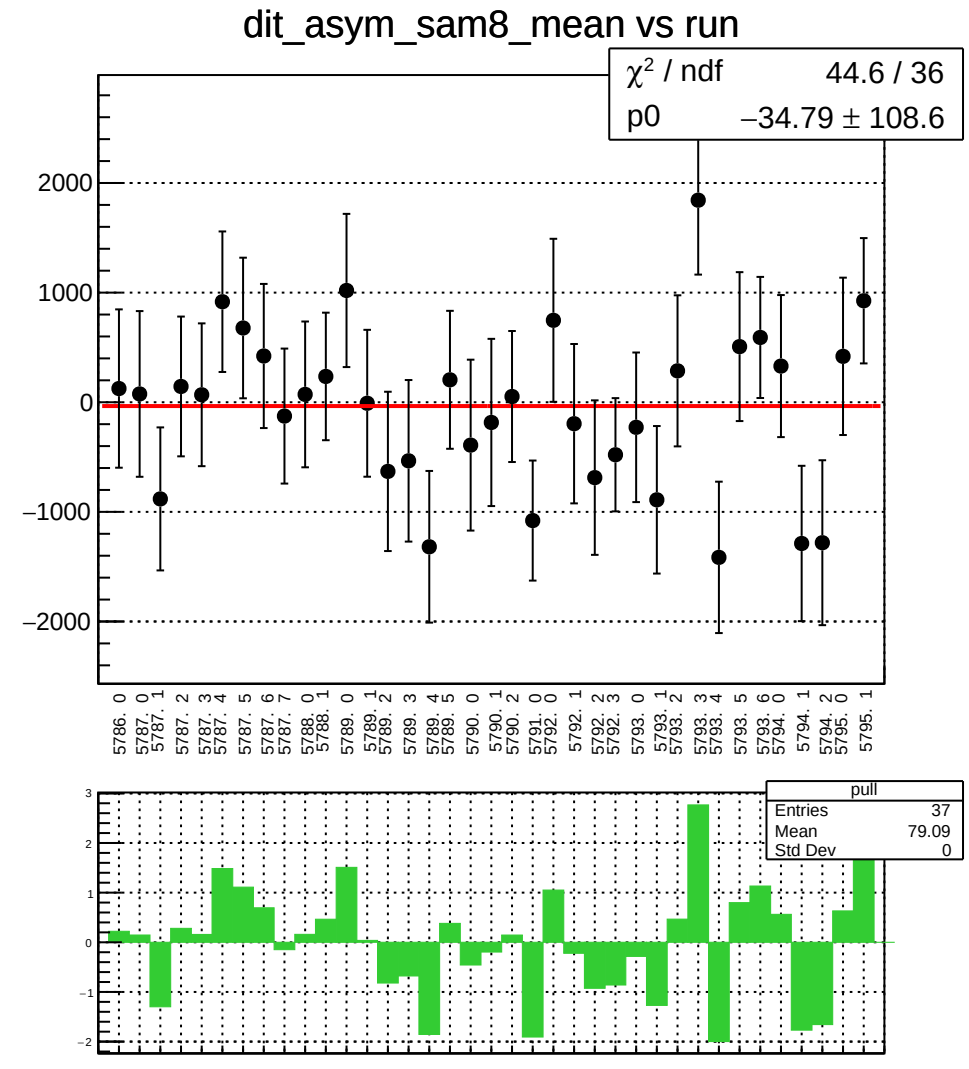
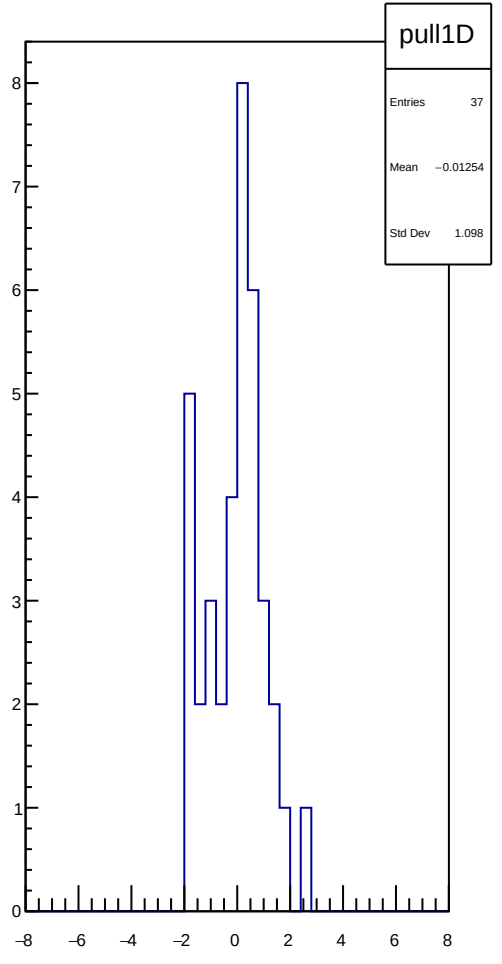
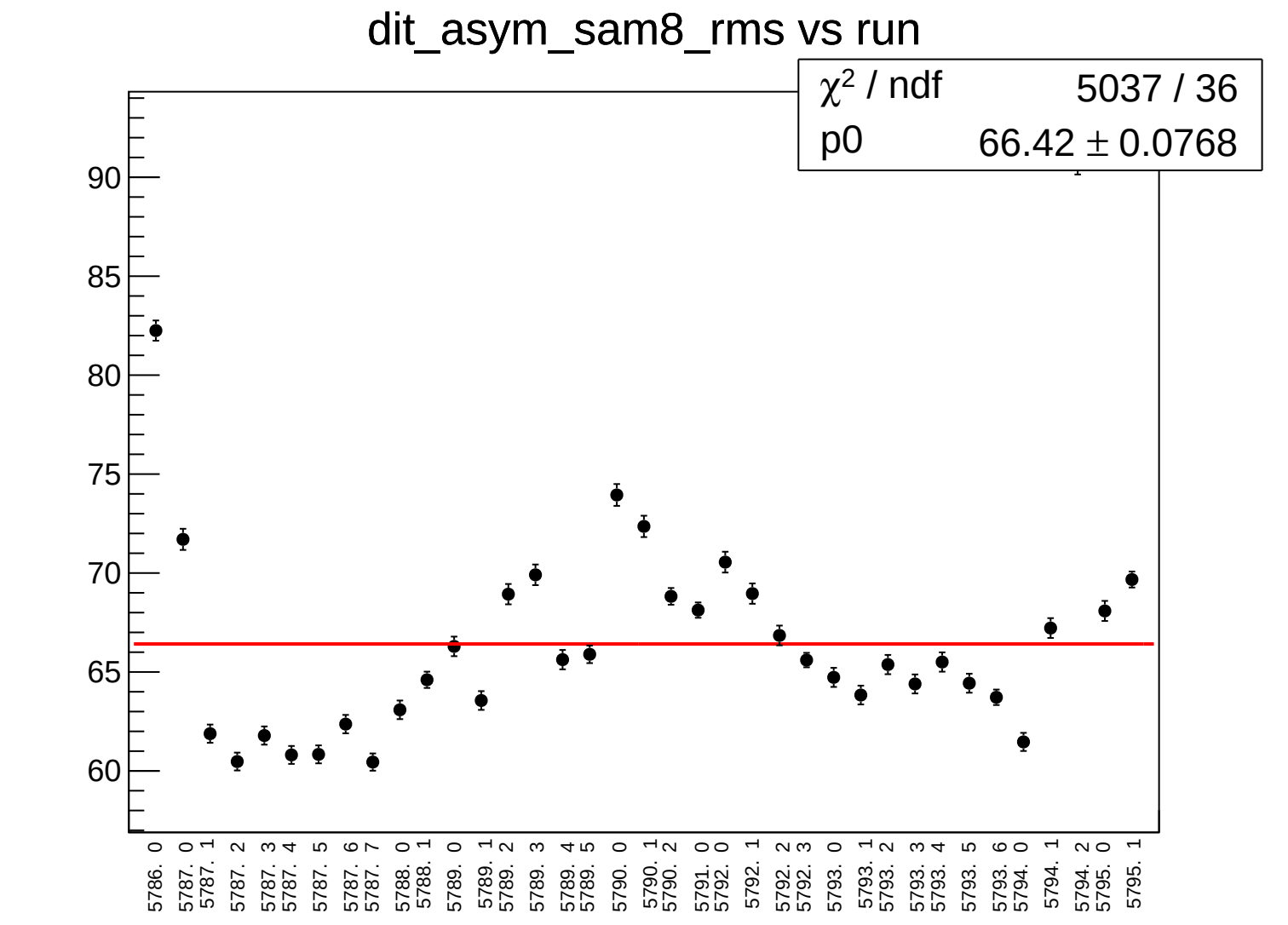
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam8_mean vs run
χ² / ndf 44.6 / 36
p0 −34.79 ± 108.6
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 79.09
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01254
Std Dev 1.098
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam8_rms vs run
χ² / ndf 5037 / 36
p0 66.42 ± 0.0768
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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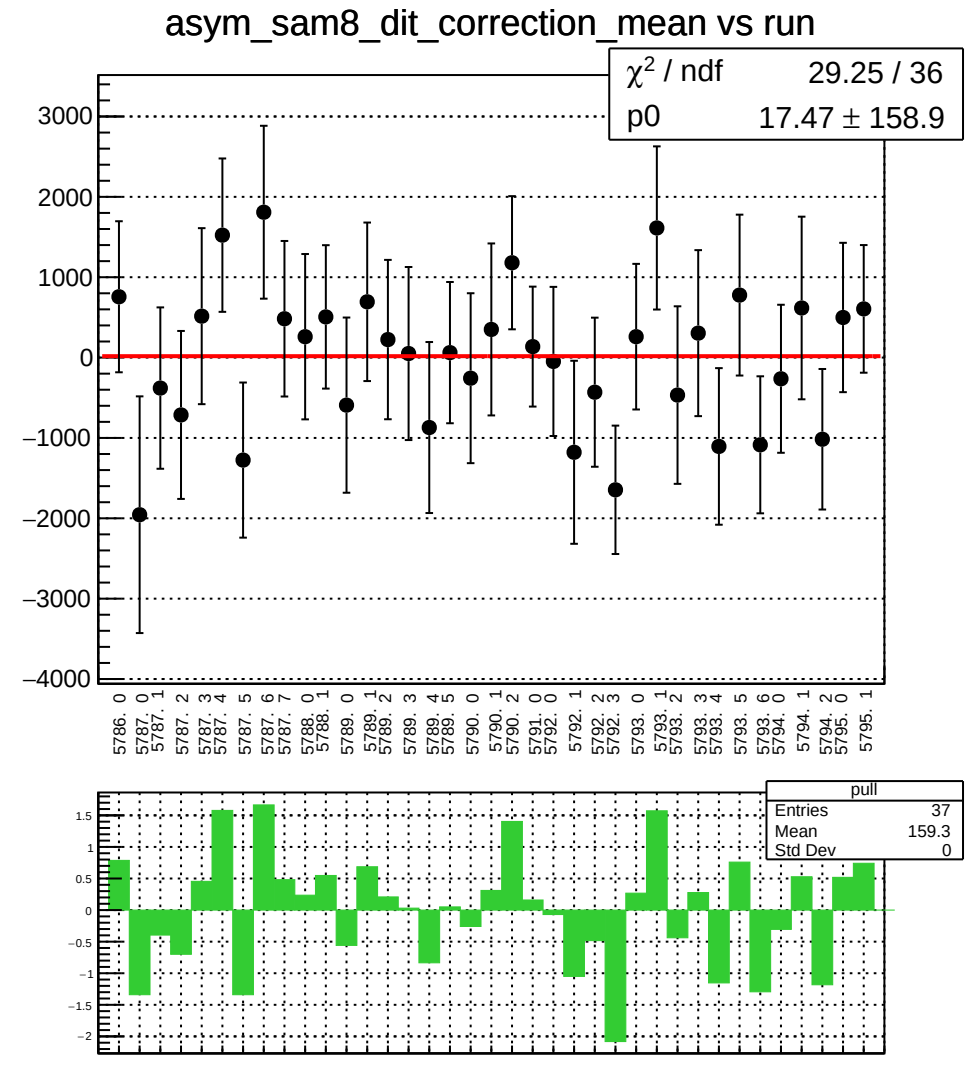
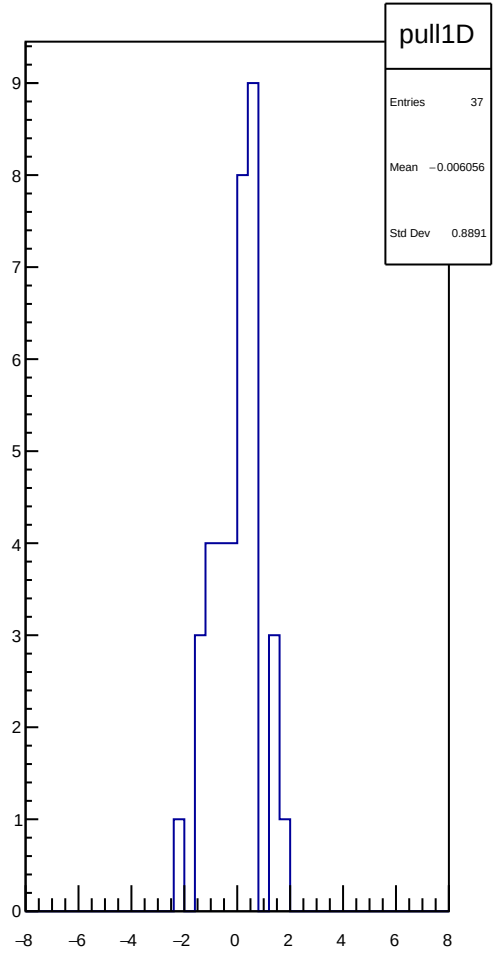
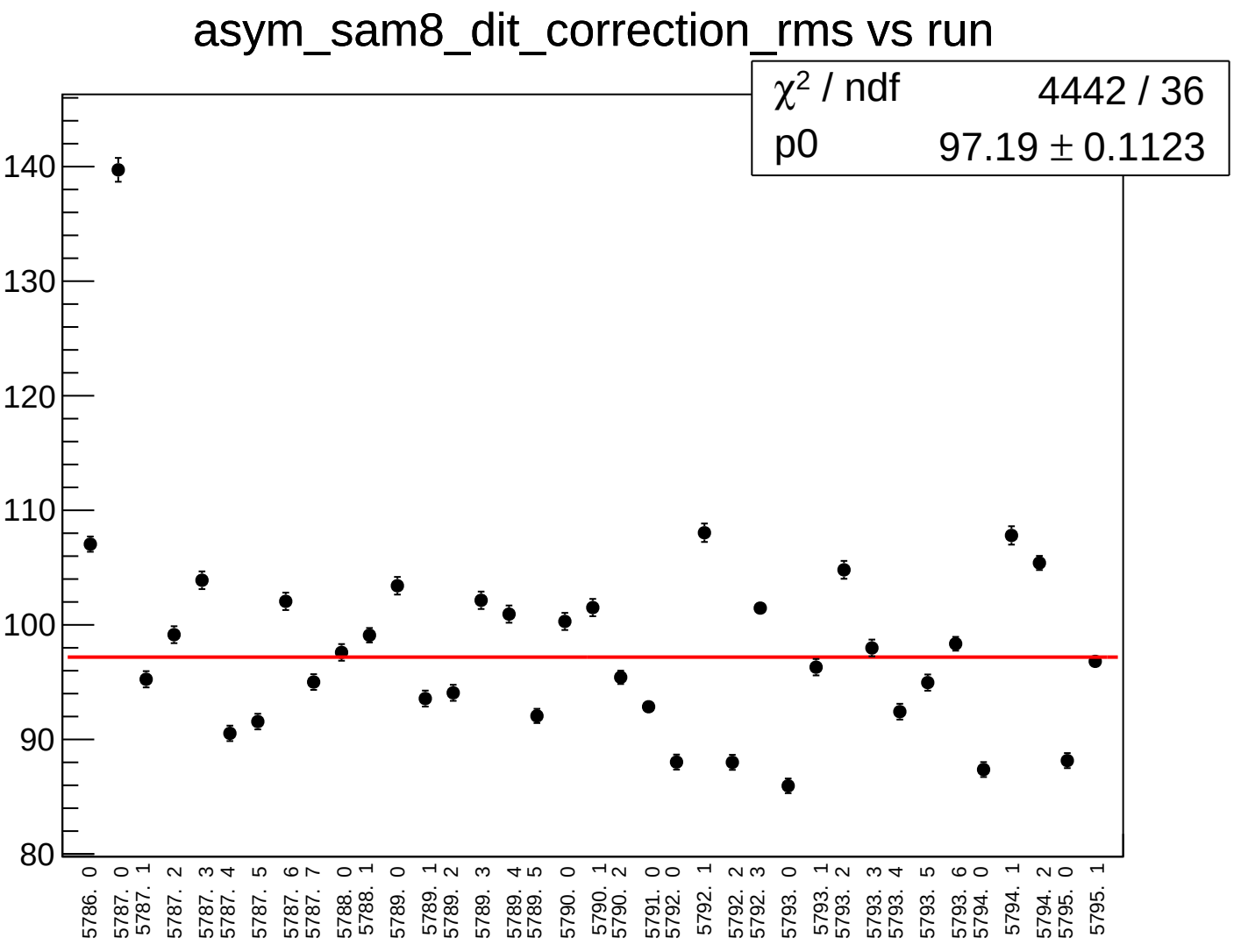
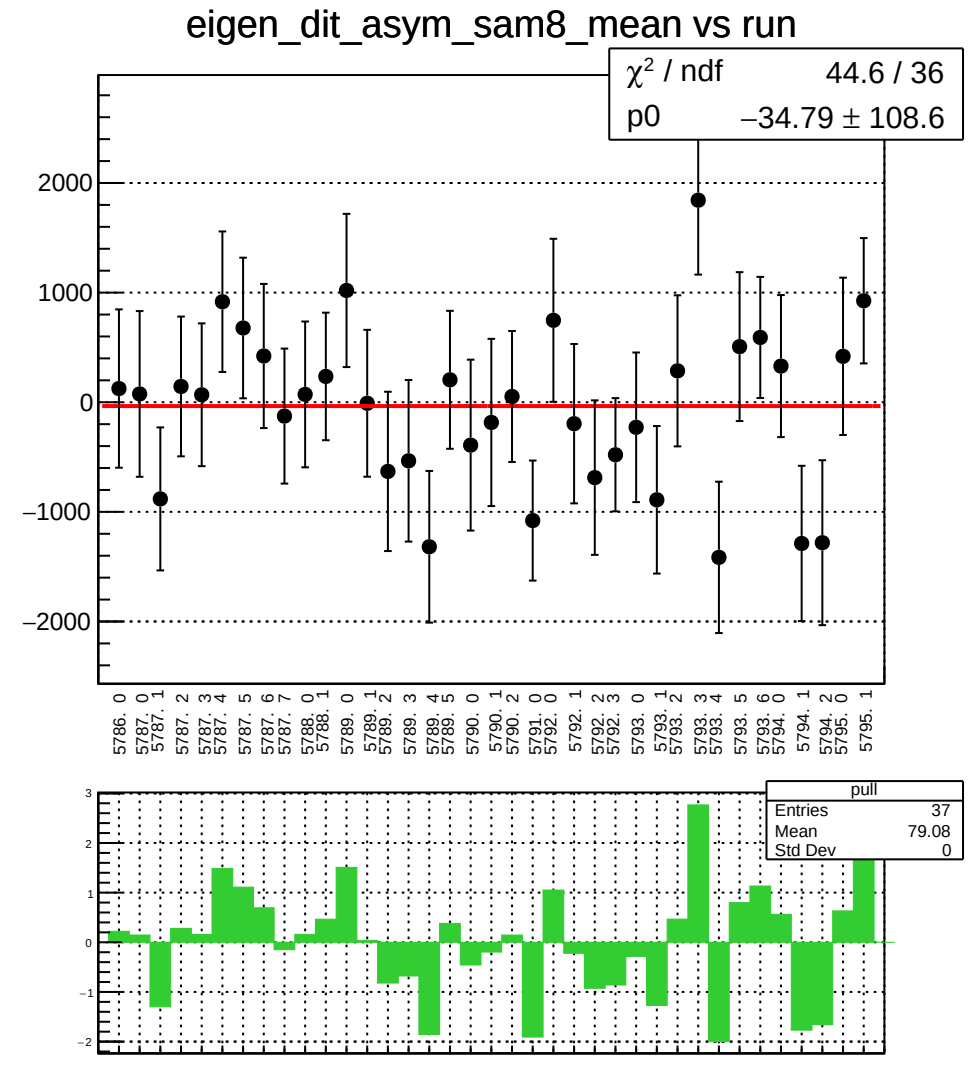
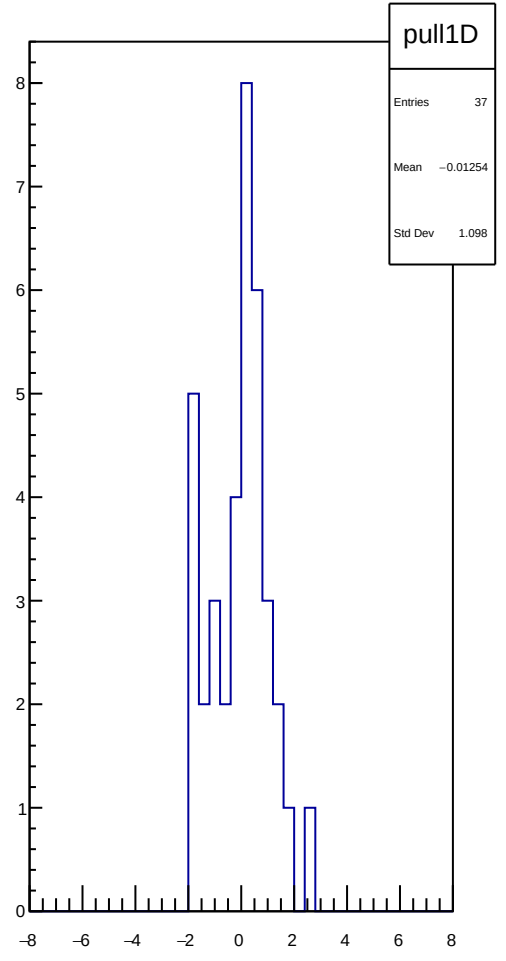
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam8_dit_correction_mean vs run
χ² / ndf 29.25 / 36
p0 17.47 ± 158.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 159.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.006056
Std Dev 0.8891
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_dit_correction_rms vs run
χ² / ndf 4442 / 36
p0 97.19 ± 0.1123
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam8_mean vs run
χ² / ndf 44.6 / 36
p0 −34.79 ± 108.6
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 79.08
Std Dev 0
3
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.01254
Std Dev 1.098
8
7
6
5
4
3
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1
0
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−6
−4
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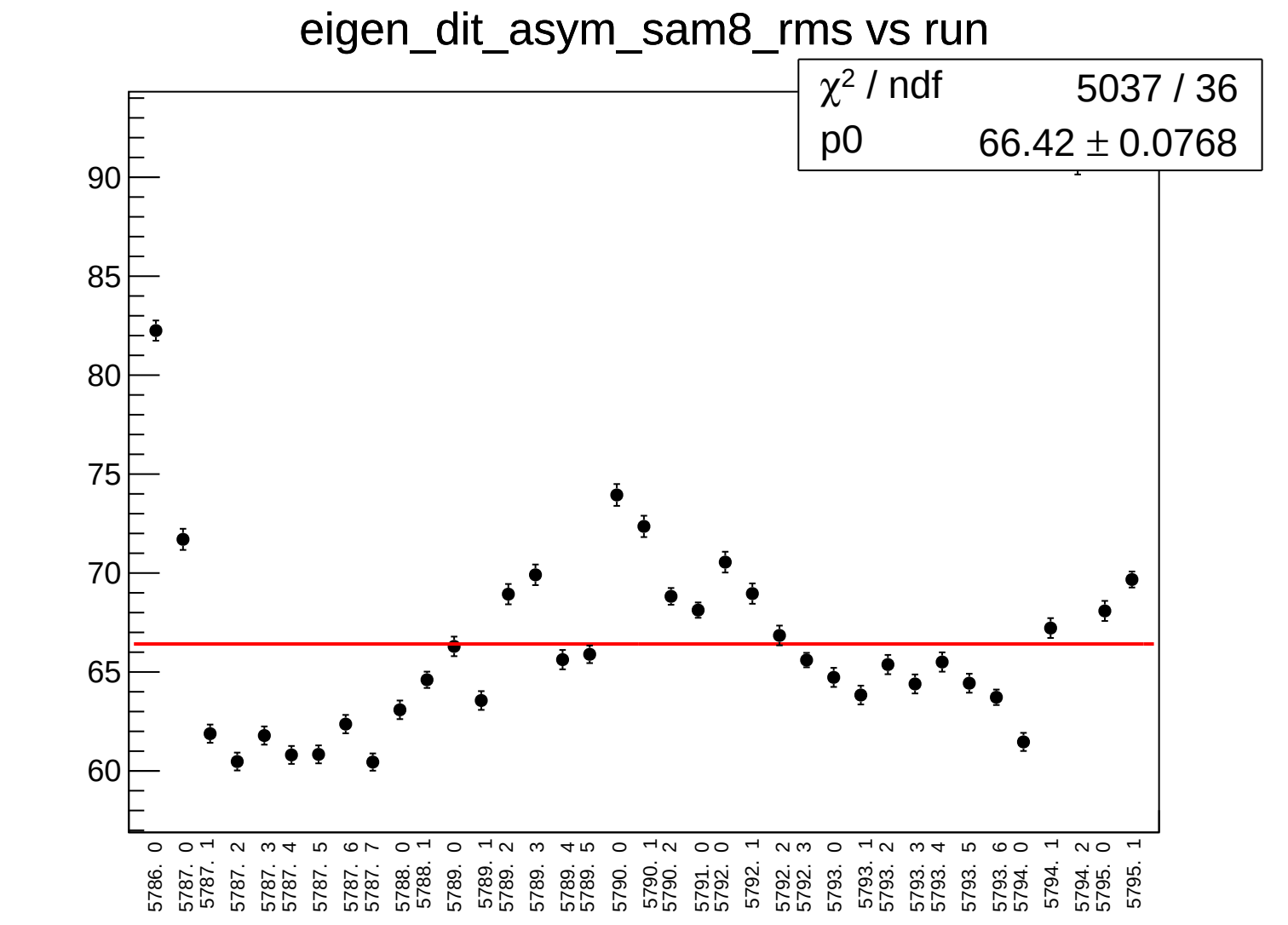
0
2
4
6
8


eigen_dit_asym_sam8_rms vs run
χ^2 / ndf 5037 / 36
p0 66.42 ± 0.0768
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5789. 5
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5790. 1
5790. 2
5791. 0
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5792. 2
5792. 3
5793. 0
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5794. 1
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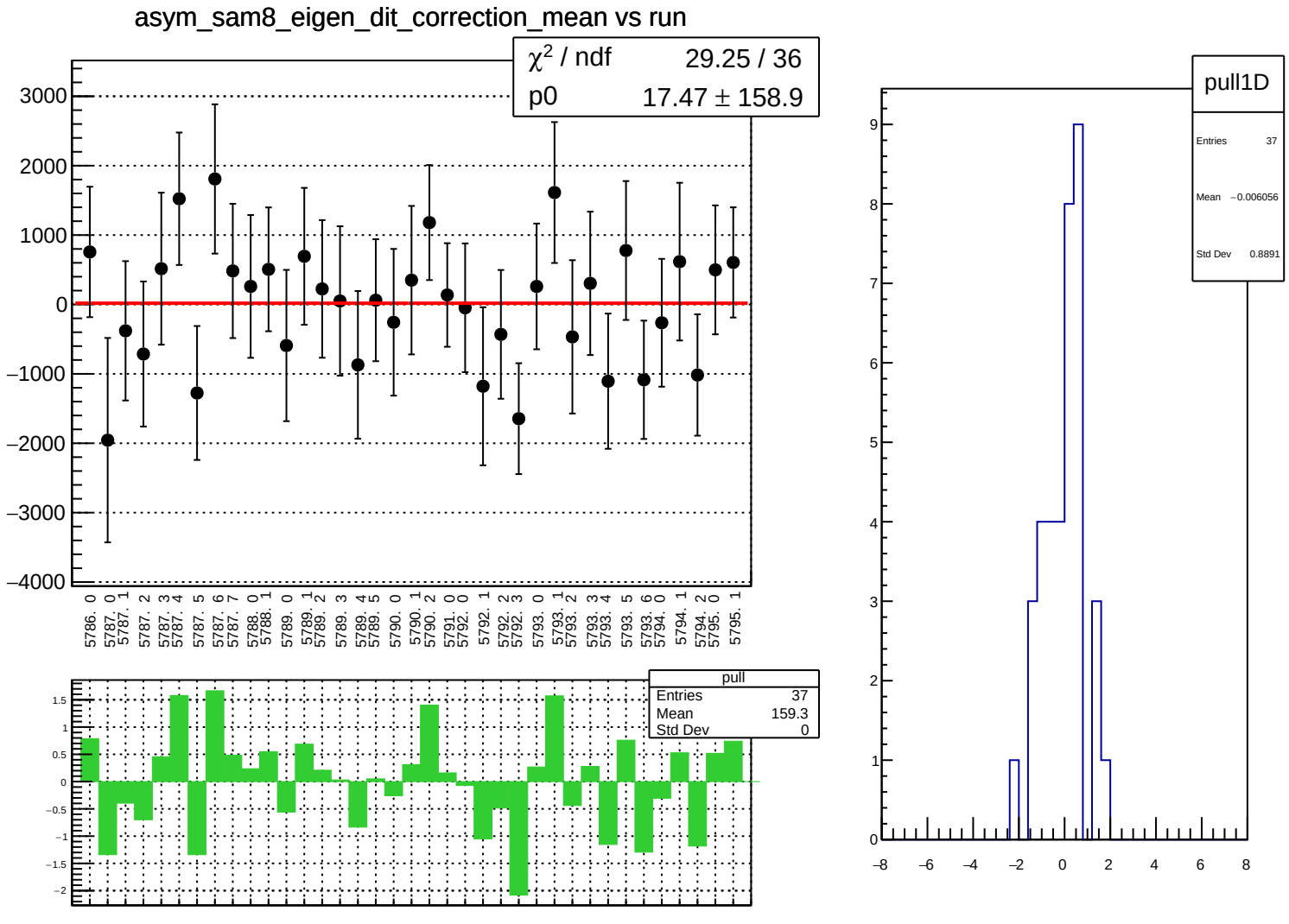
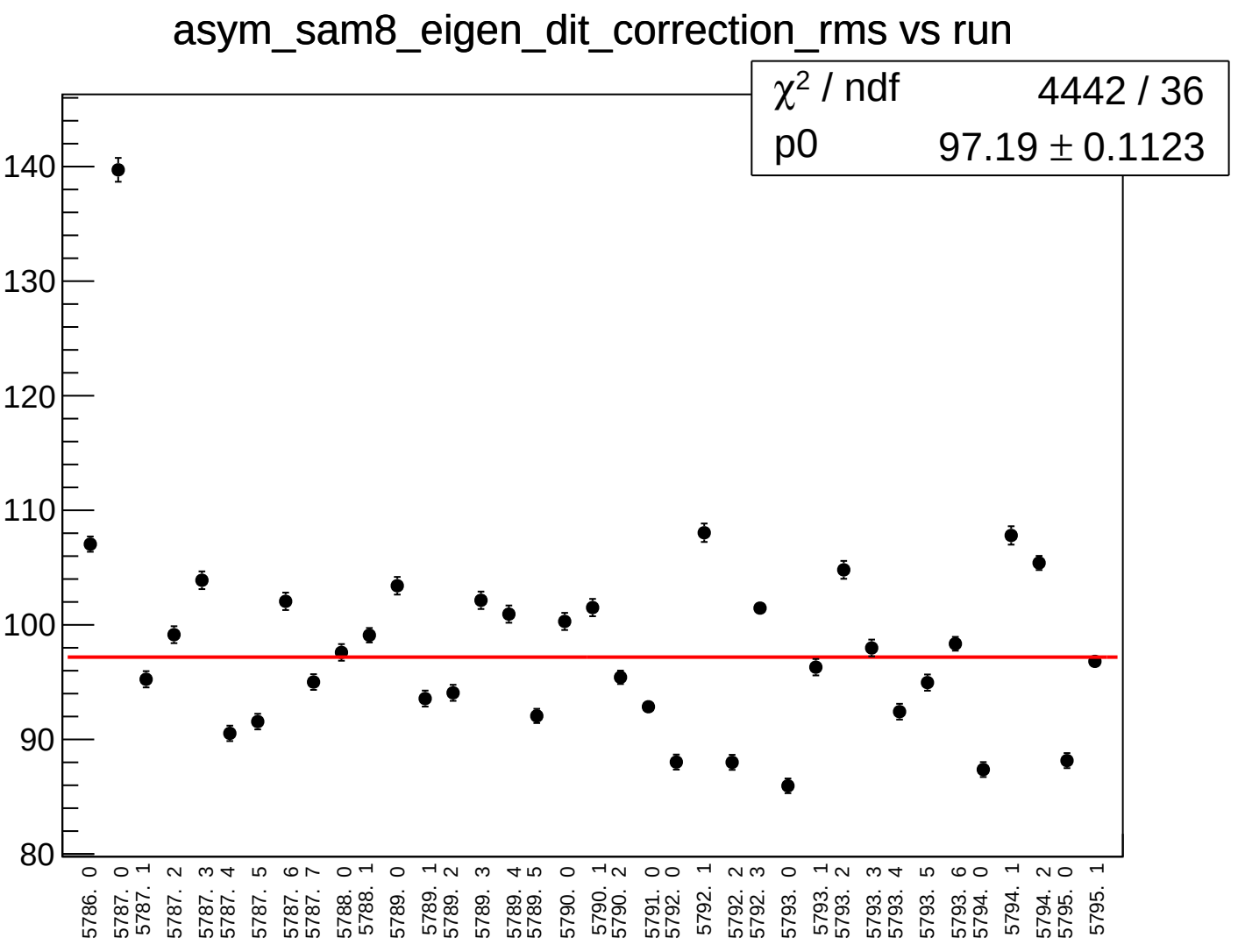
5795. 0
5795. 1


asym_sam8_eigen_dit_correction_mean vs run
χ² / ndf 29.25 / 36
p0 17.47 ± 158.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 159.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.006056
Std Dev 0.8891
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam8_eigen_dit_correction_rms vs run
χ² / ndf 4442 / 36
p0 97.19 ± 0.1123
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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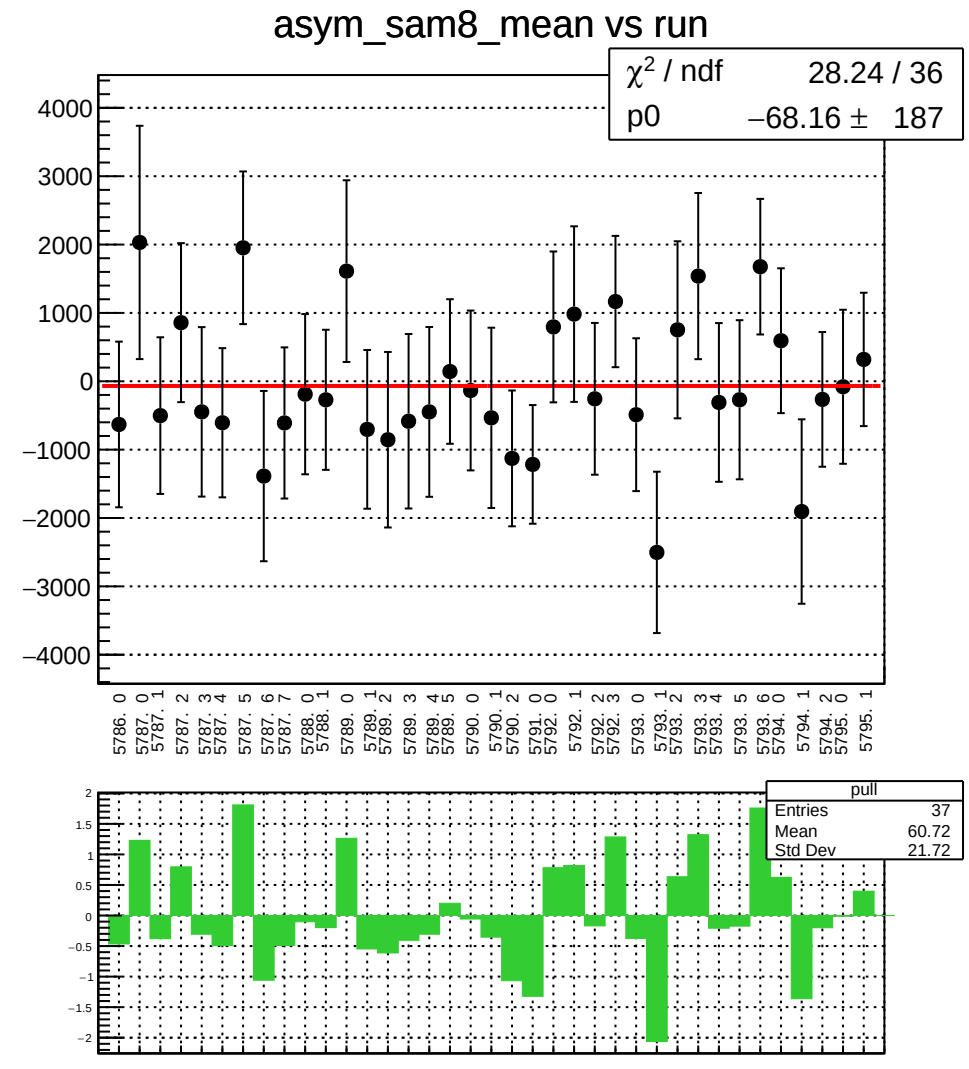
5795. 0
5795. 1


asym_sam8_mean vs run
χ² / ndf 28.24 / 36
p0 −68.16 ± 187
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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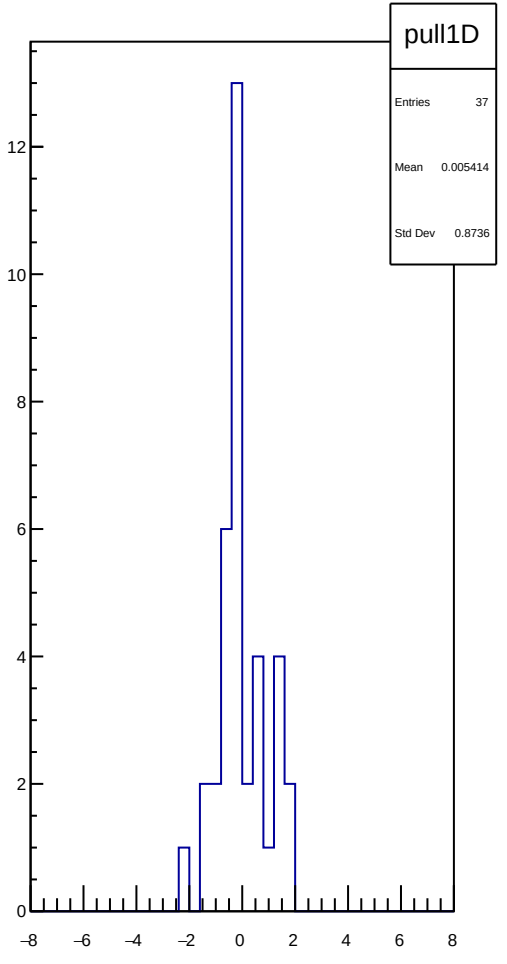
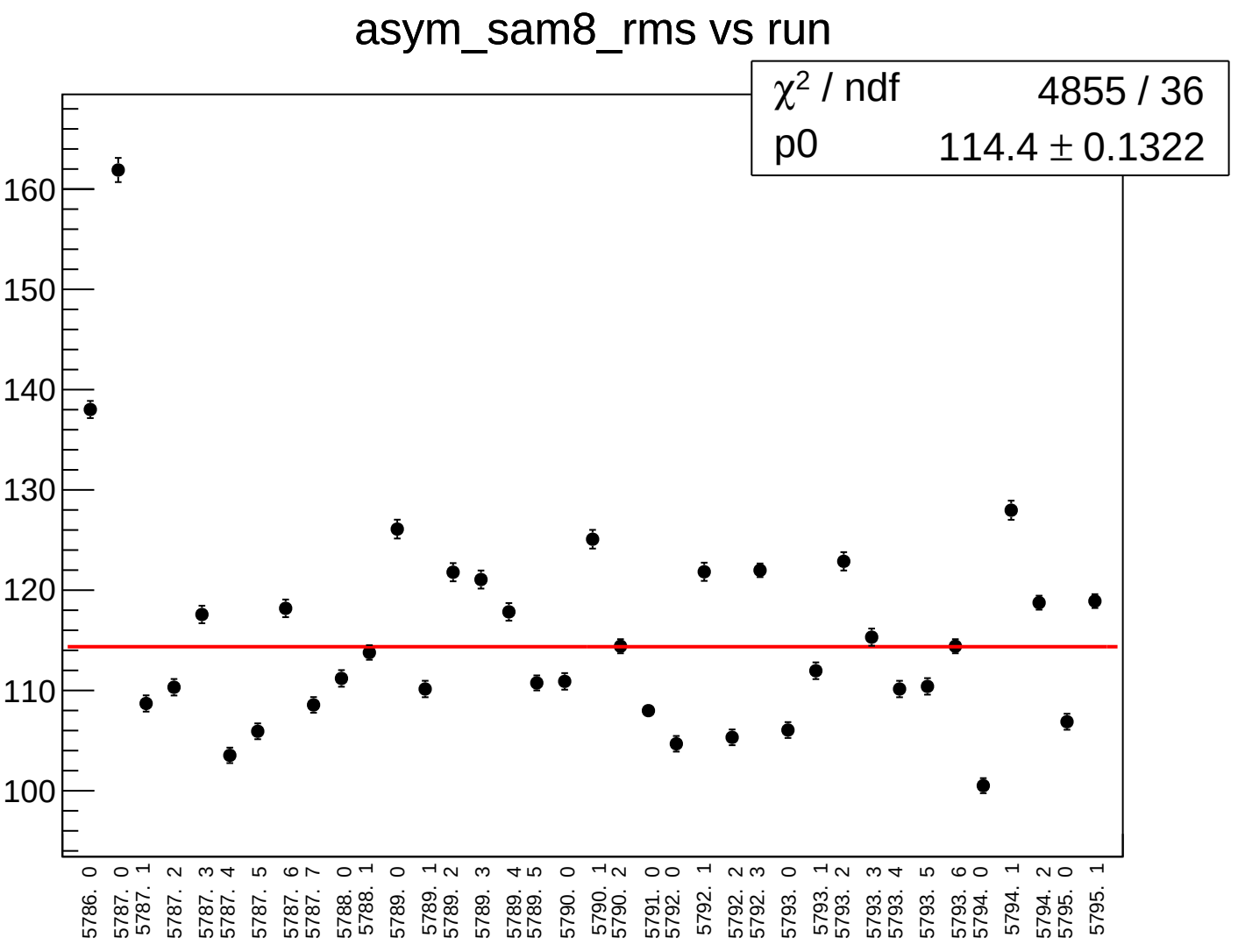
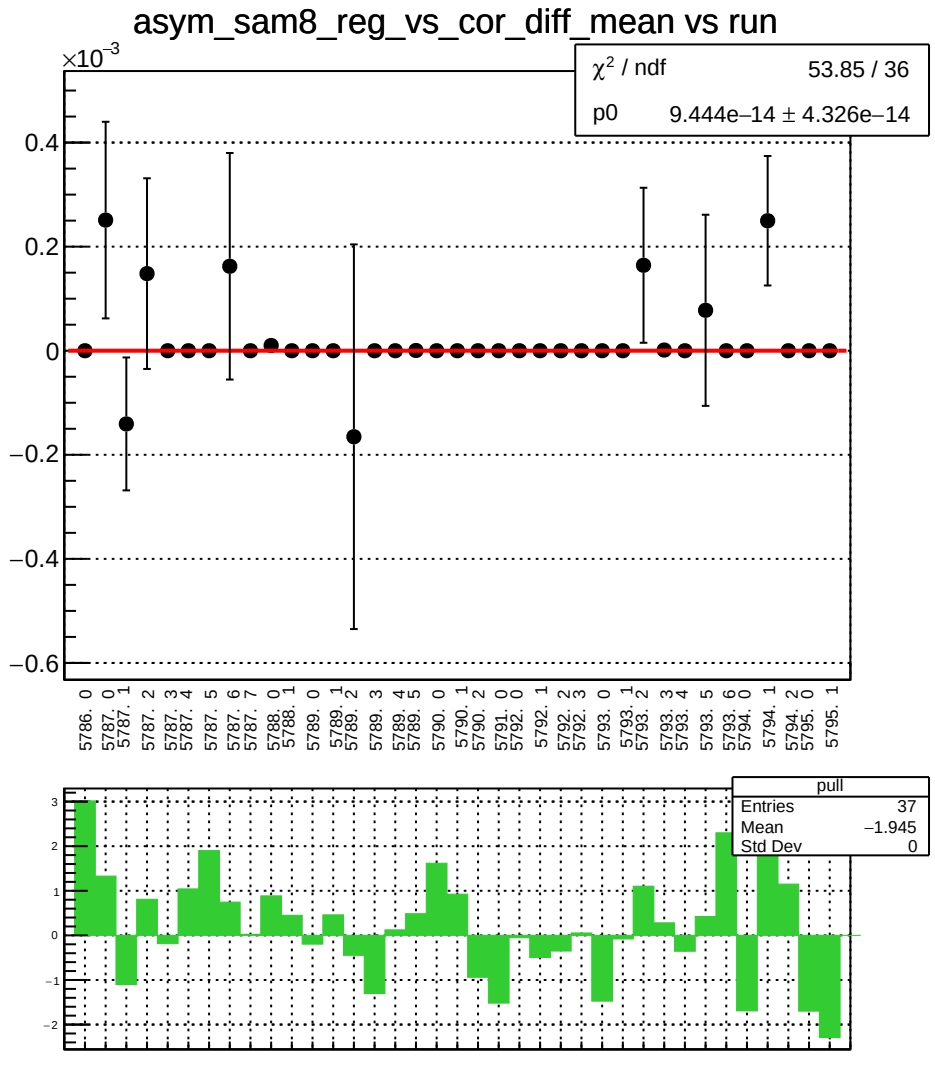
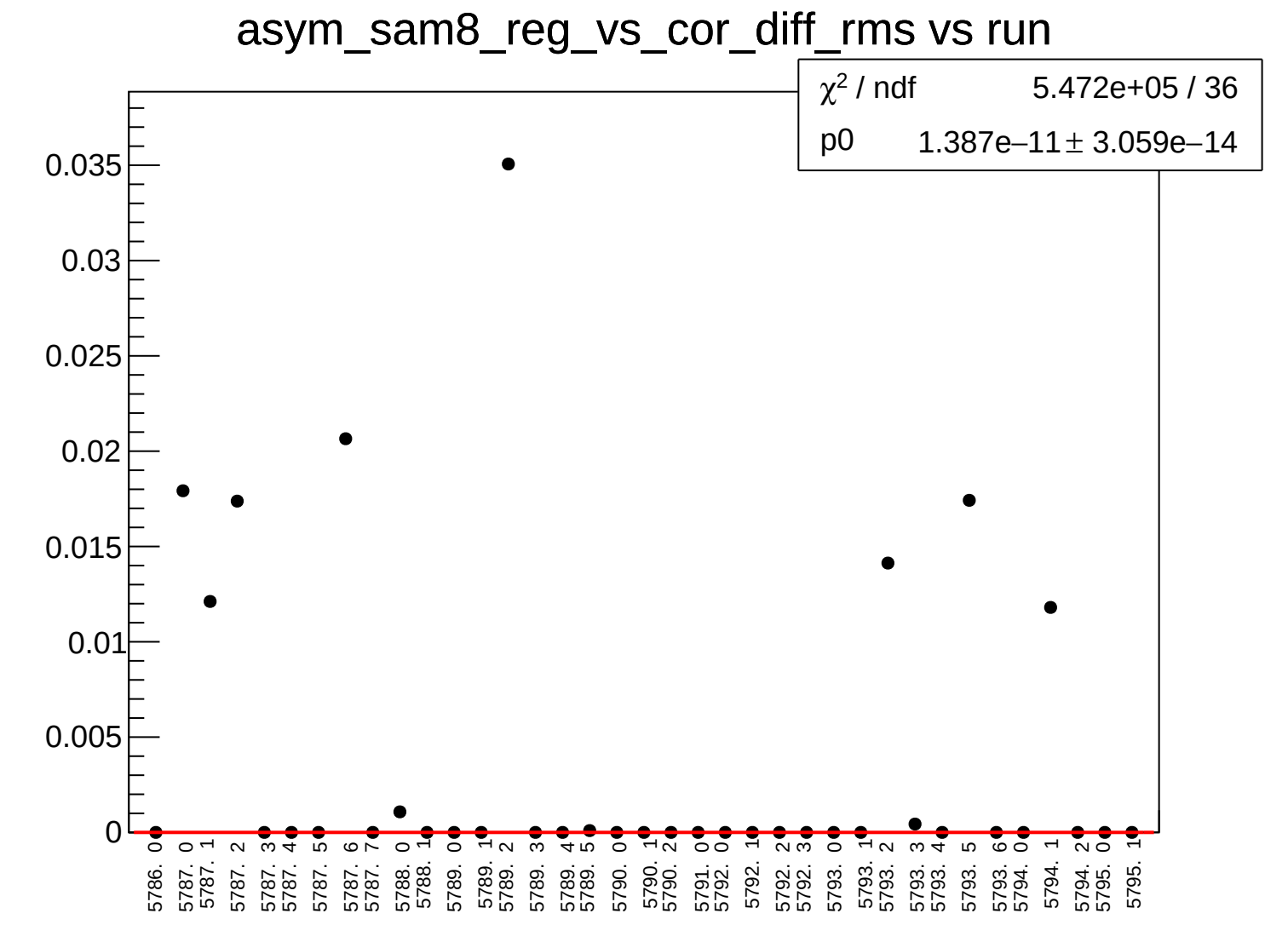
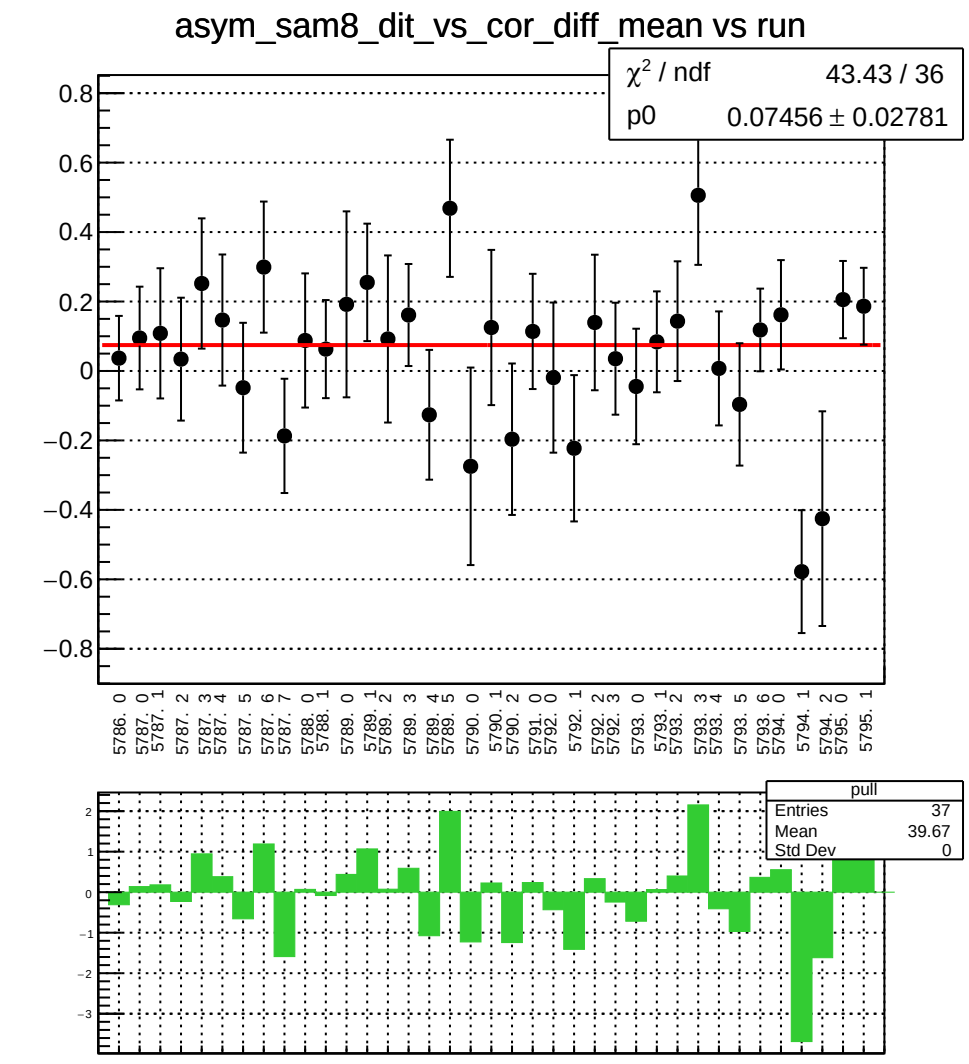
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 60.72
Std Dev 21.72
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

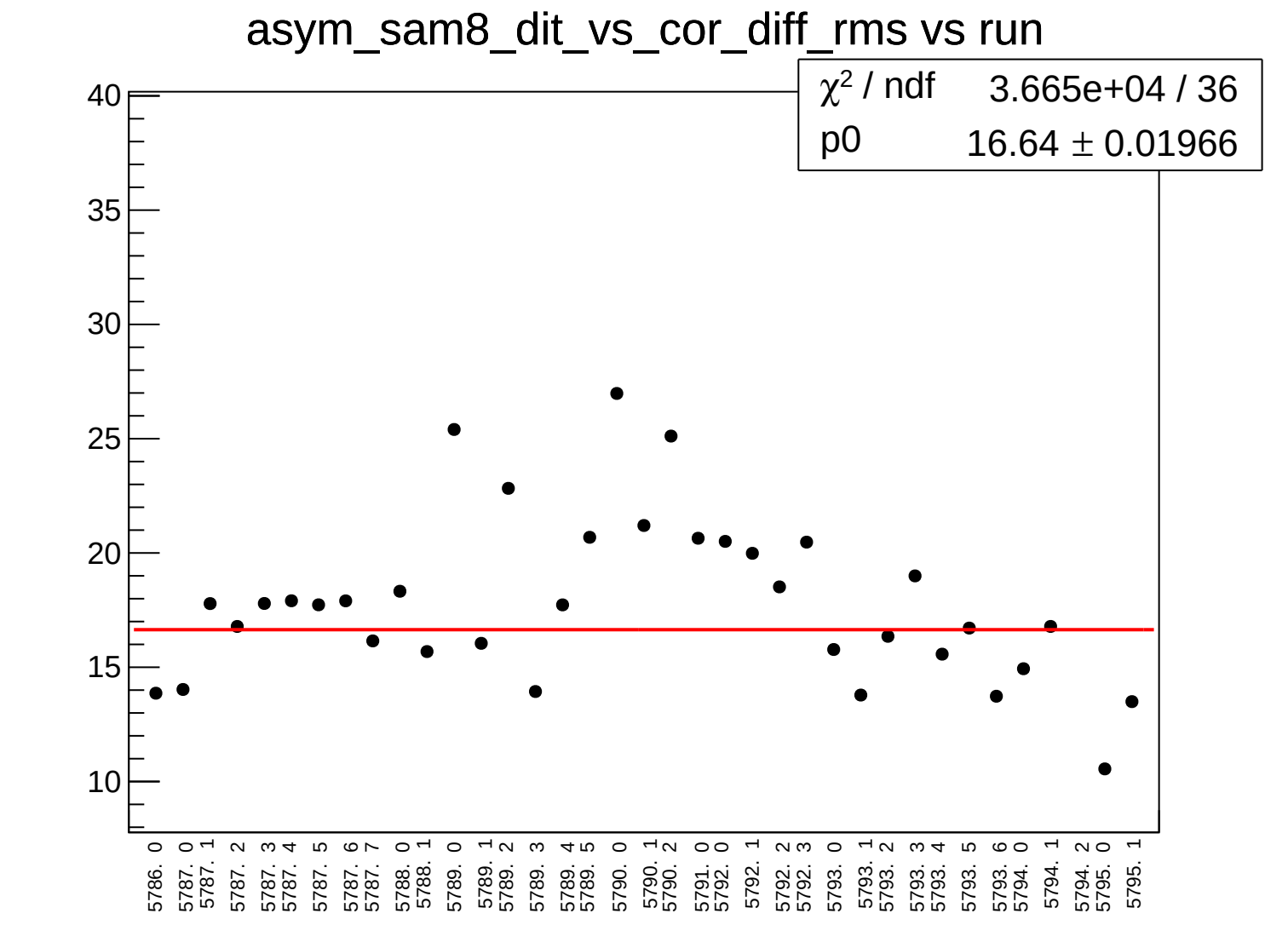

pull1D
Entries 37
Mean 0.005414
Std Dev 0.8736
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

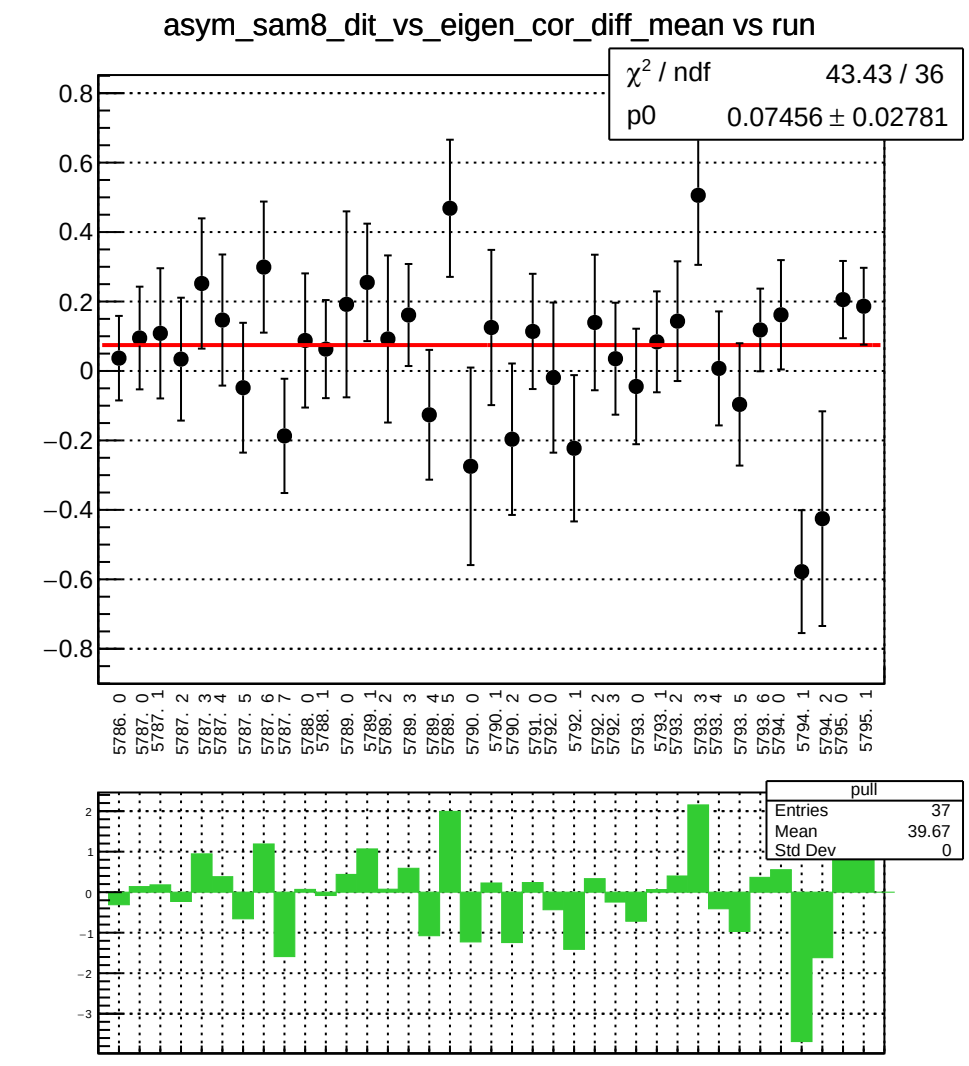

asym_sam8_rms vs run
χ² / ndf 4855 / 36
p0 114.4 ± 0.1322
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

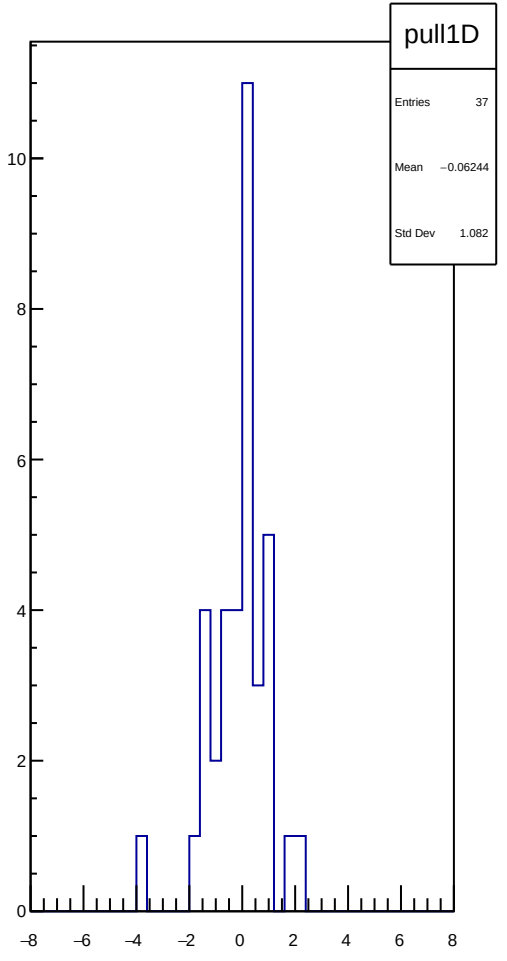

asym_sam8_reg_vs_cor_diff_mean vs run
χ² / ndf 53.85 / 36
p0 9.444e−14 ± 4.326e−14
pull
Entries 37
Mean −1.945
Std Dev 0
pull1D
Entries 37
Mean 0.1878
Std Dev 1.192

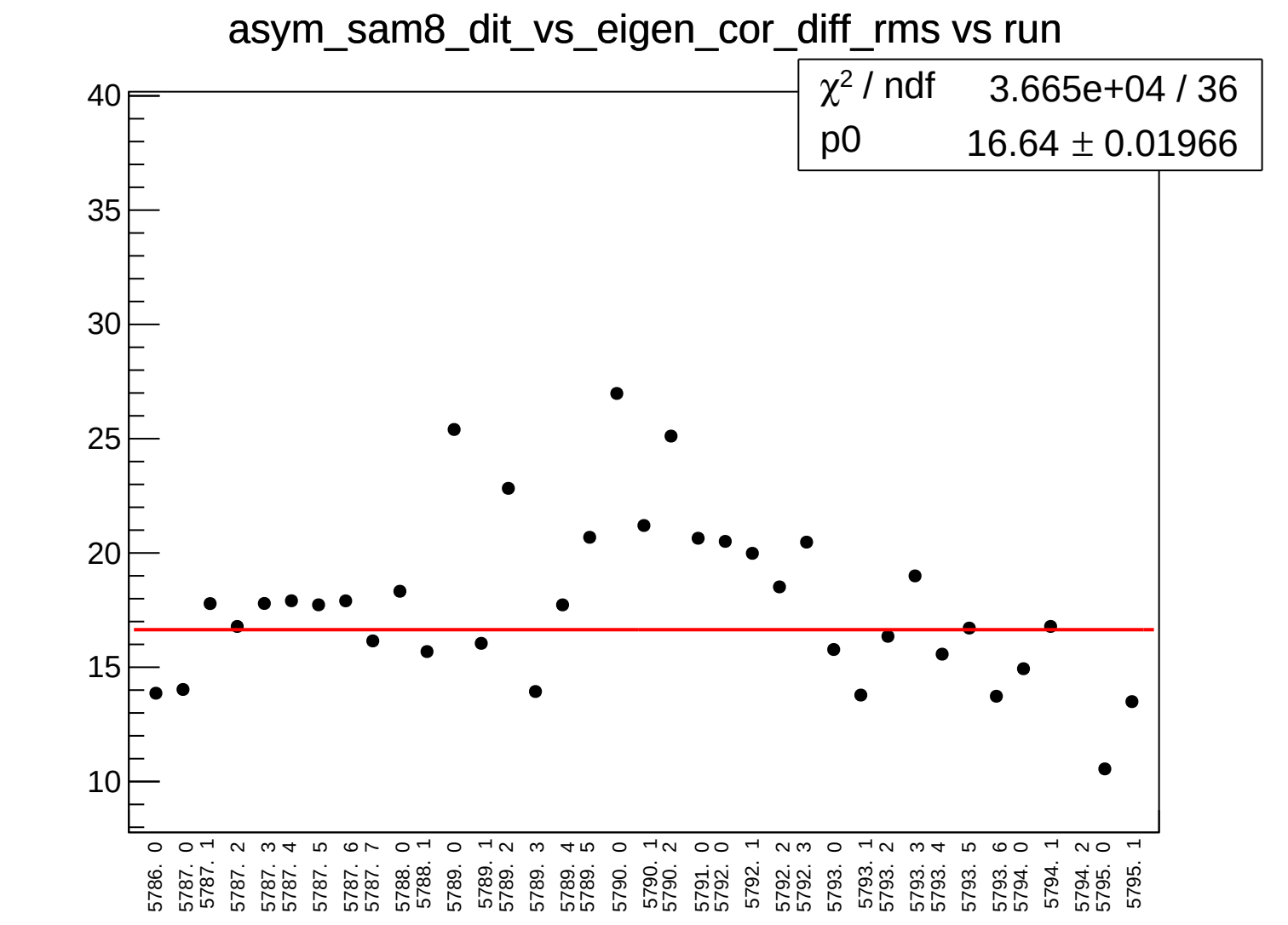

asym_sam8_reg_vs_cor_diff_rms vs run
χ² / ndf 5.472e+05 / 36
p0 1.387e−11 ± 3.059e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

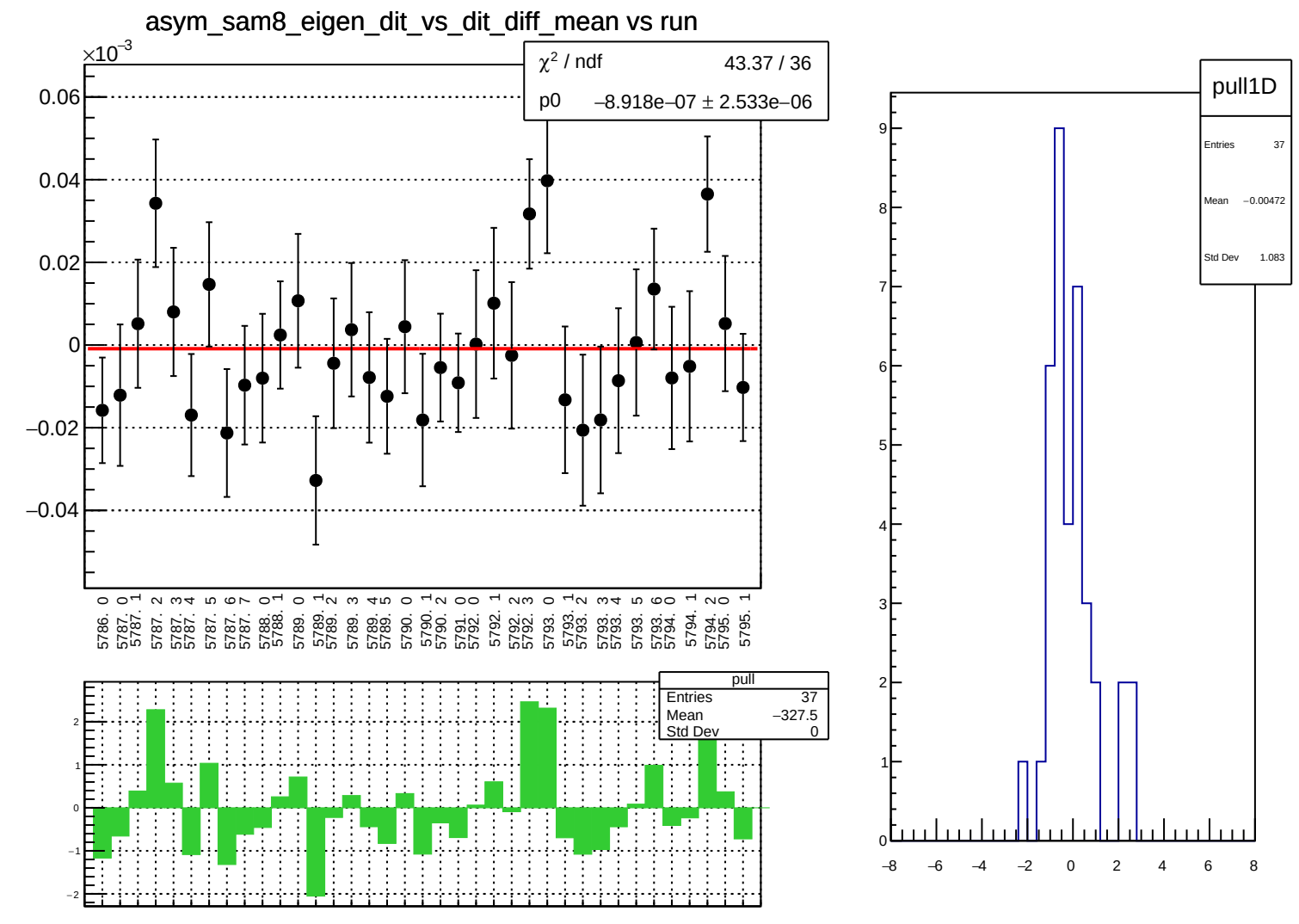

asym_sam8_dit_vs_cor_diff_mean vs run
χ² / ndf 43.43 / 36
p0 0.07456 ± 0.02781
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.67
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.06244
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

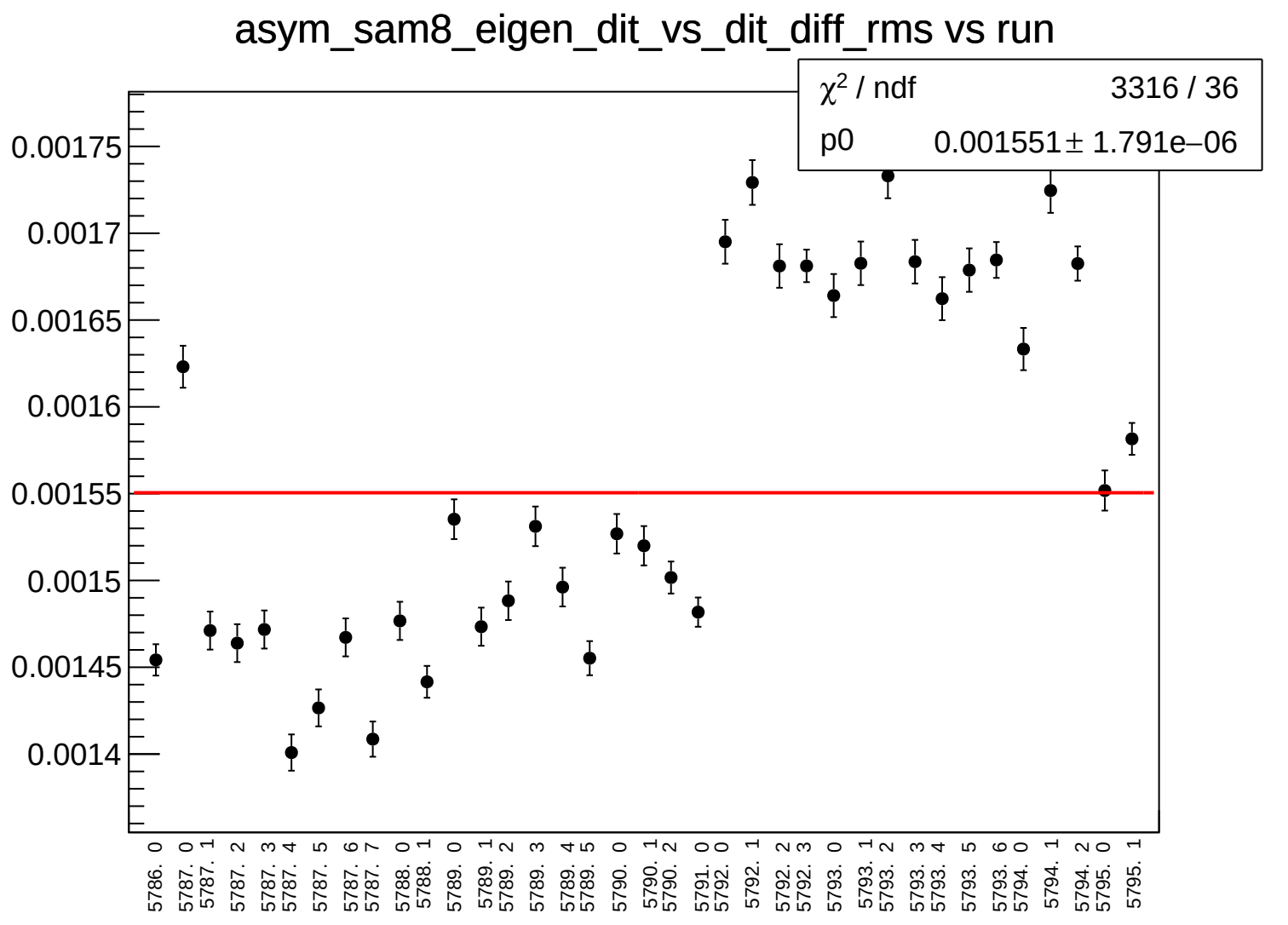

asym_sam8_dit_vs_cor_diff_rms vs run
χ² / ndf 3.665e+04 / 36
p0 16.64 ± 0.01966
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

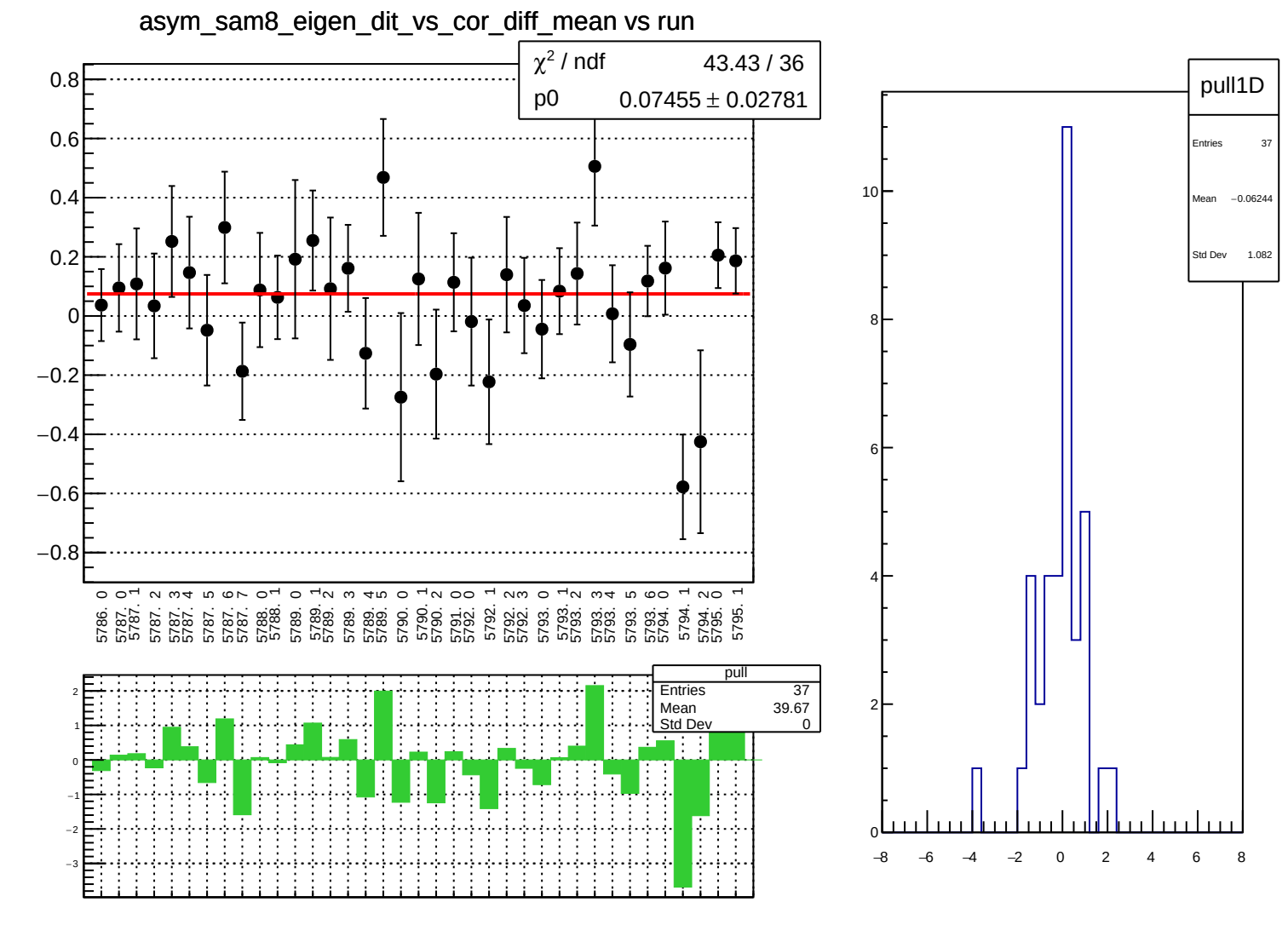

asym_sam8_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.43 / 36
p0 0.07456 ± 0.02781
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.67
Std Dev 0
2
1
0
−1
−2
−3

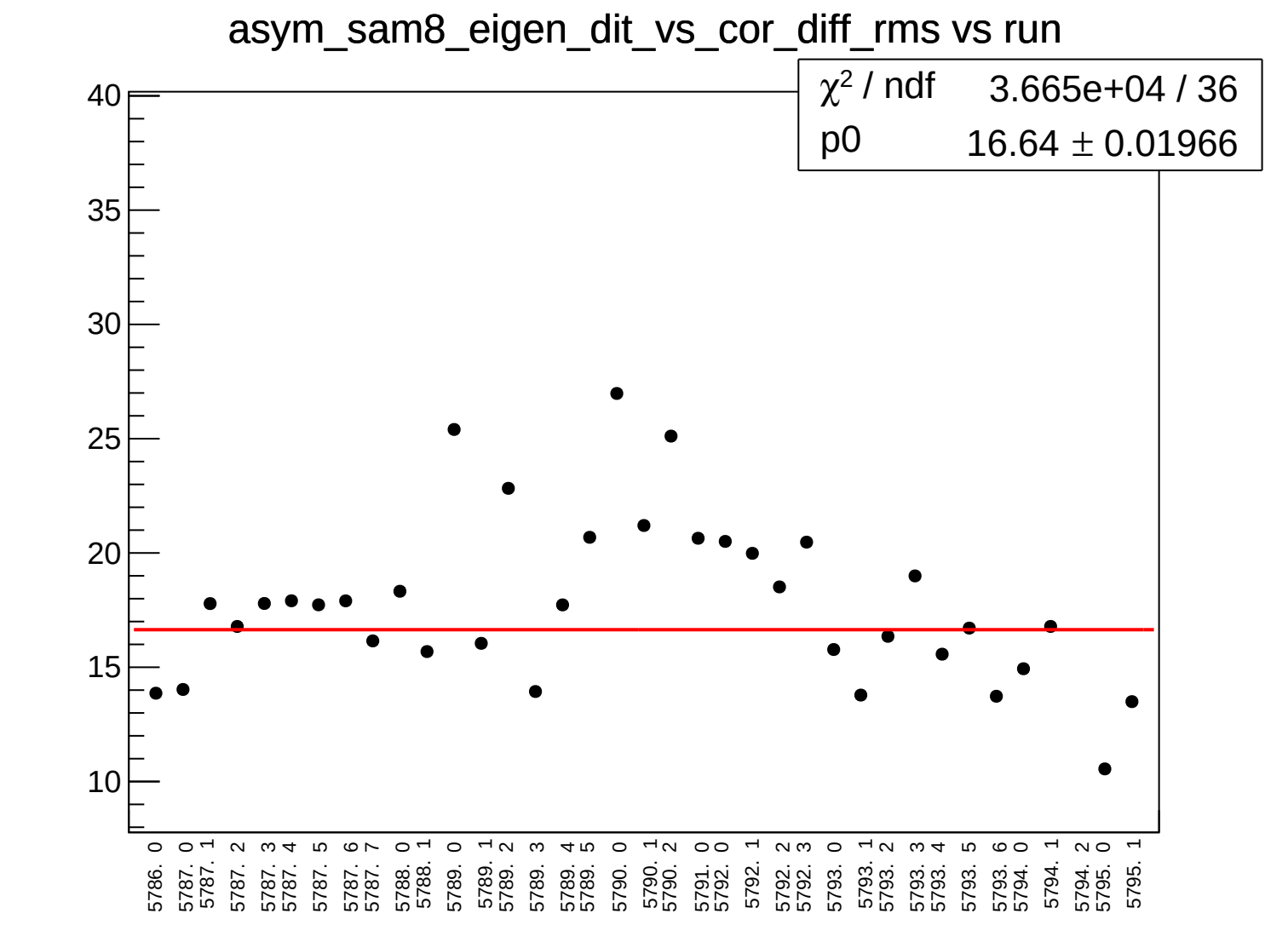

pull1D
Entries 37
Mean −0.06244
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

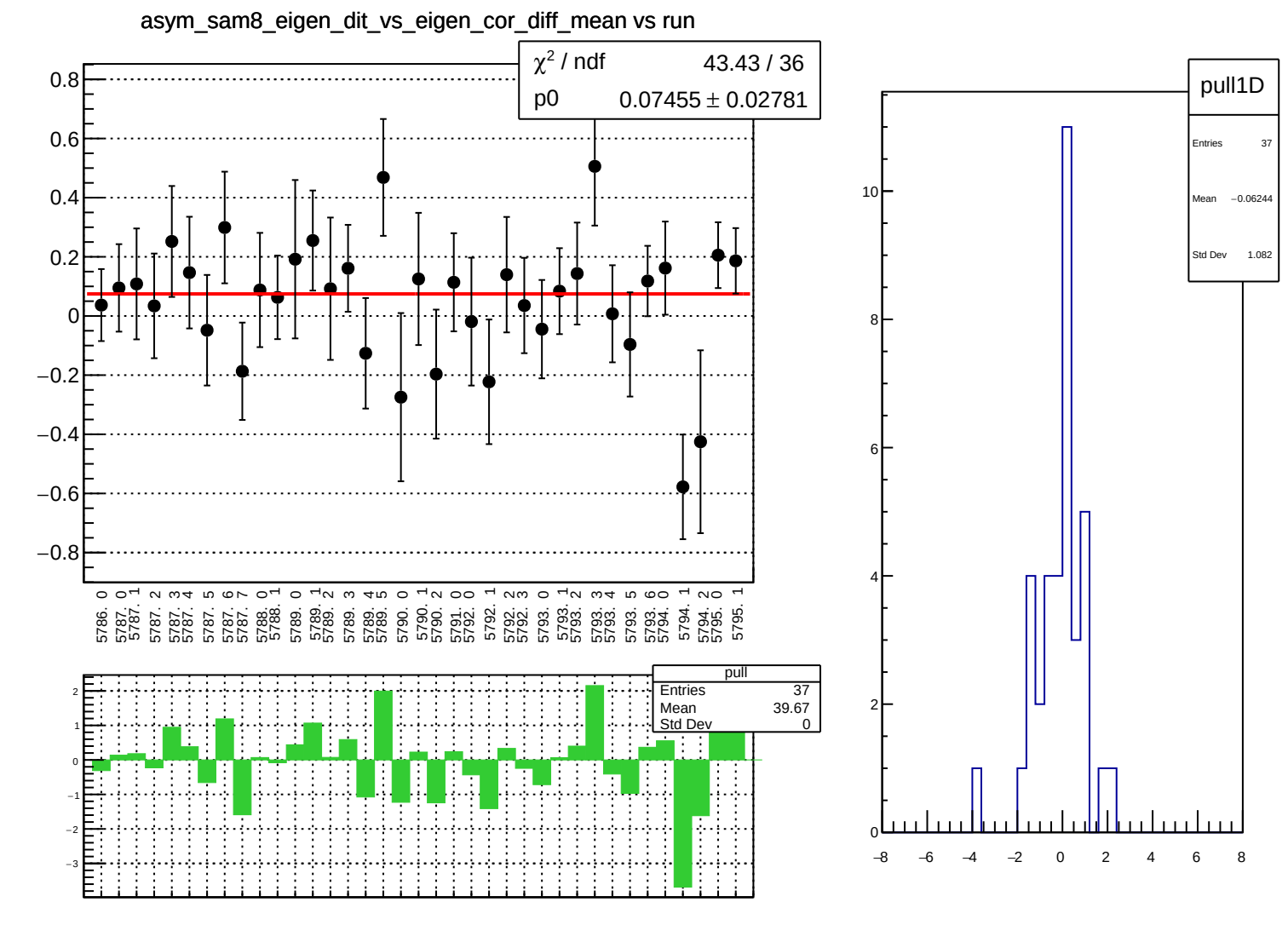

asym_sam8_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.665e+04 / 36
p0 16.64 ± 0.01966
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

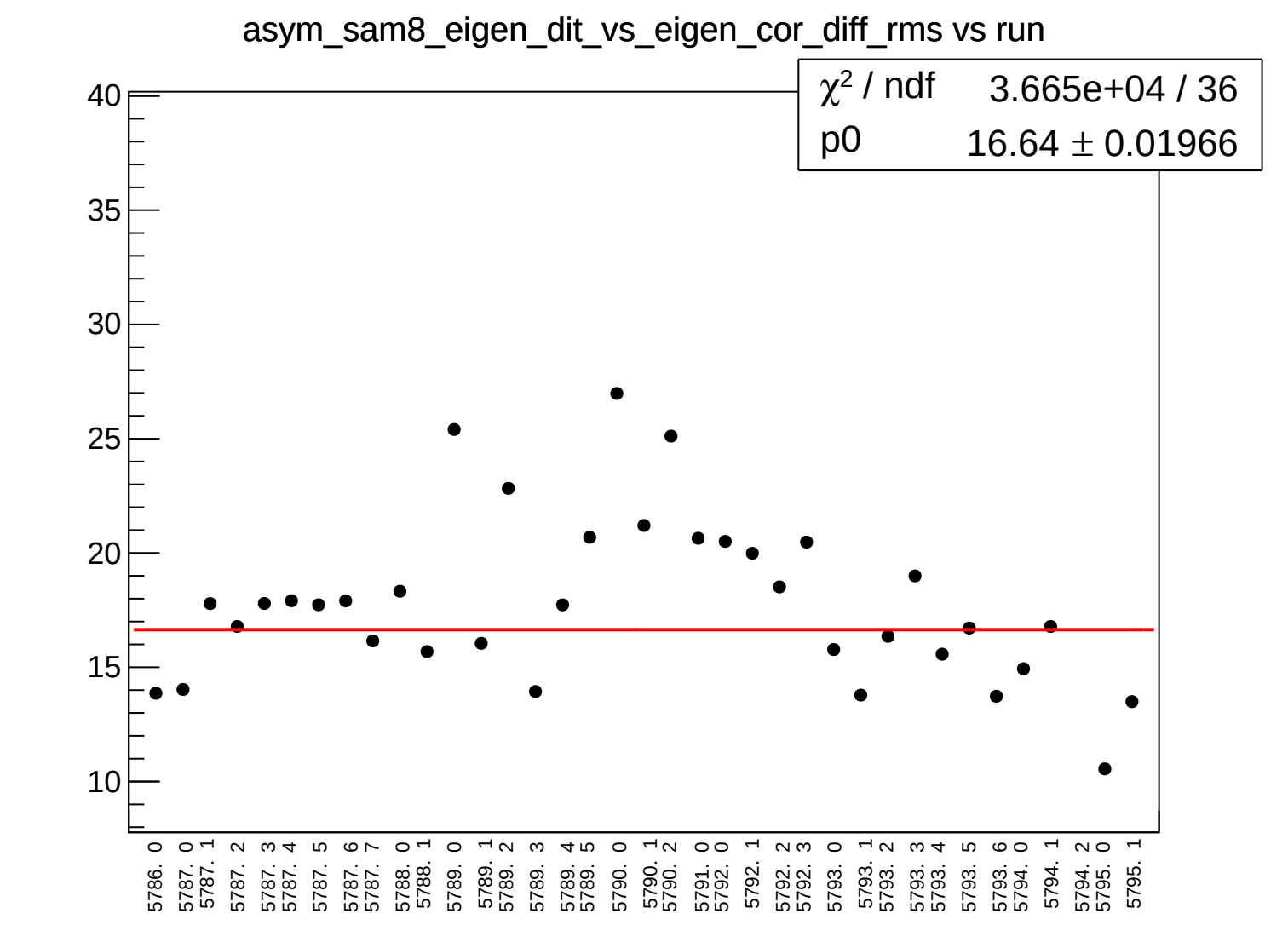

asym_sam8_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.37 / 36
p0 −8.918e−07 ± 2.533e−06
0.06
0.04
0.02
0
−0.02
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −327.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.00472
Std Dev 1.083
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

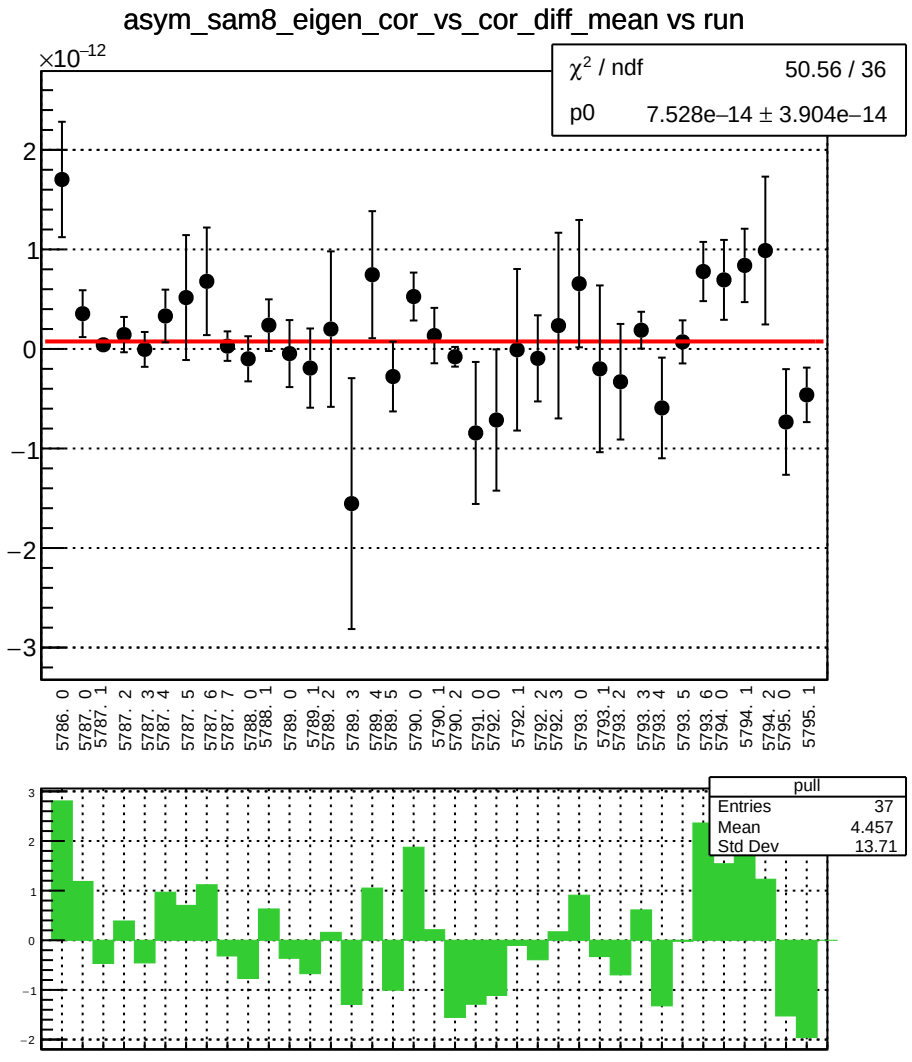

asym_sam8_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3316 / 36
p0 0.001551 ± 1.791e−06
0.00175
0.0017
0.00165
0.0016
0.00155
0.0015
0.00145
0.0014
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

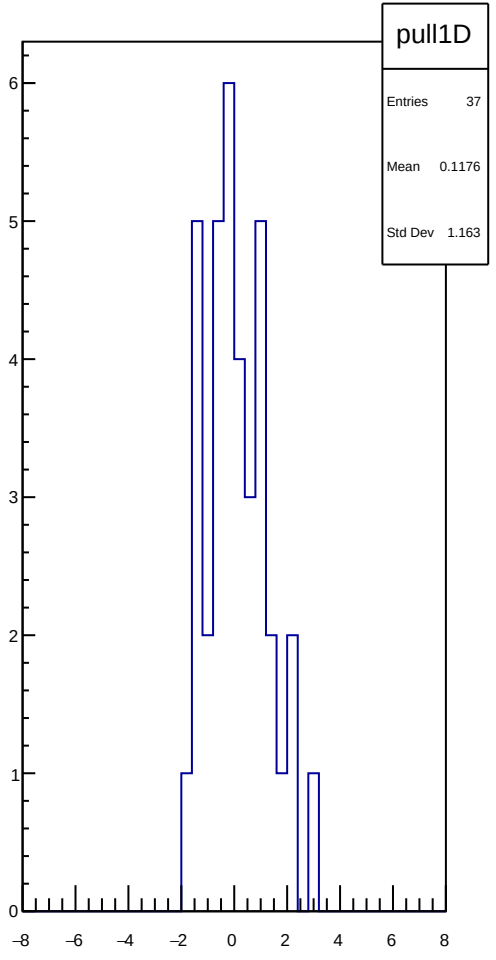

asym_sam8_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.43 / 36
p0 0.07455 ± 0.02781
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.67
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.06244
Std Dev 1.082
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

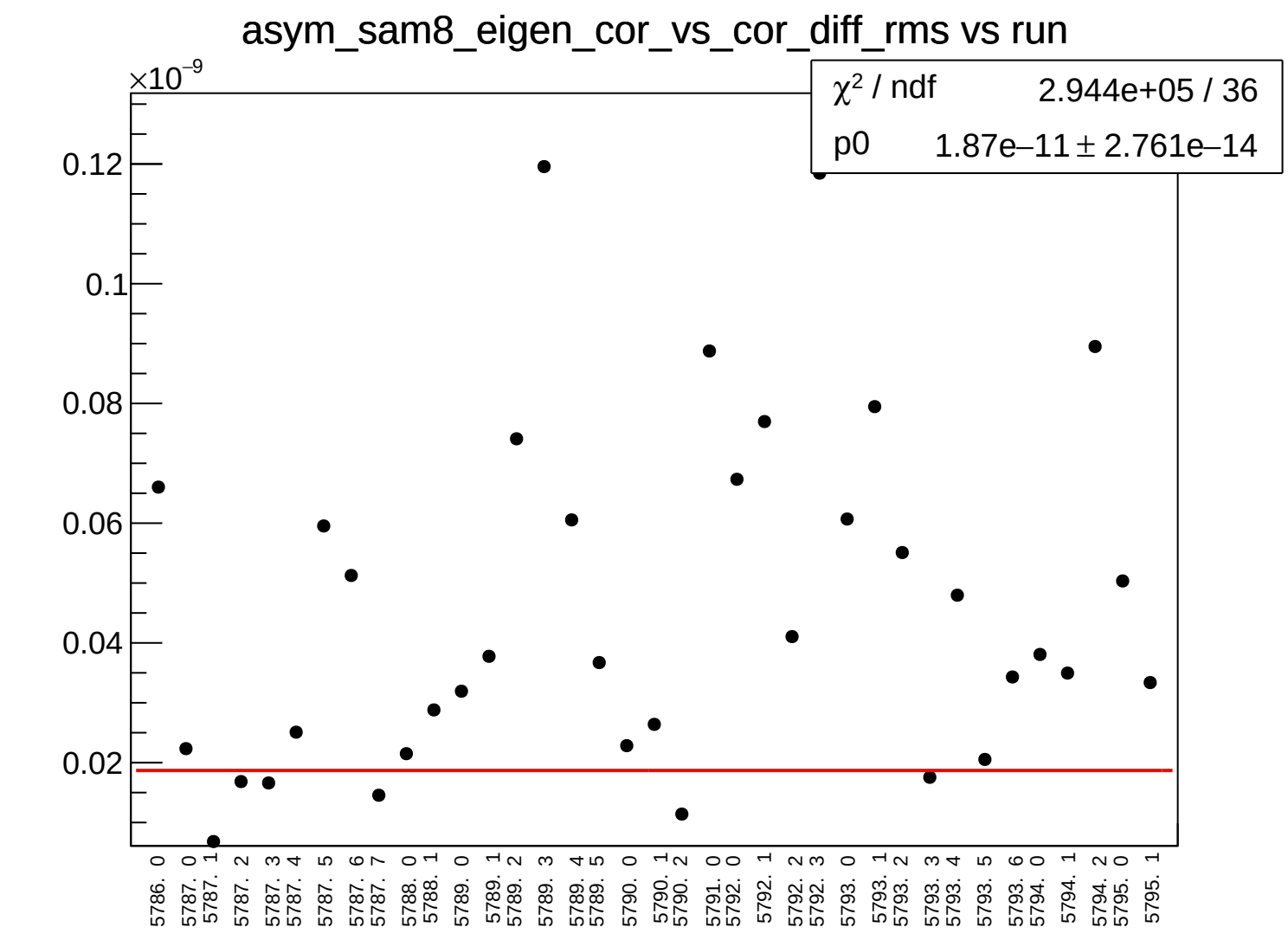

asym_sam8_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.665e+04 / 36
p0 16.64 ± 0.01966
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

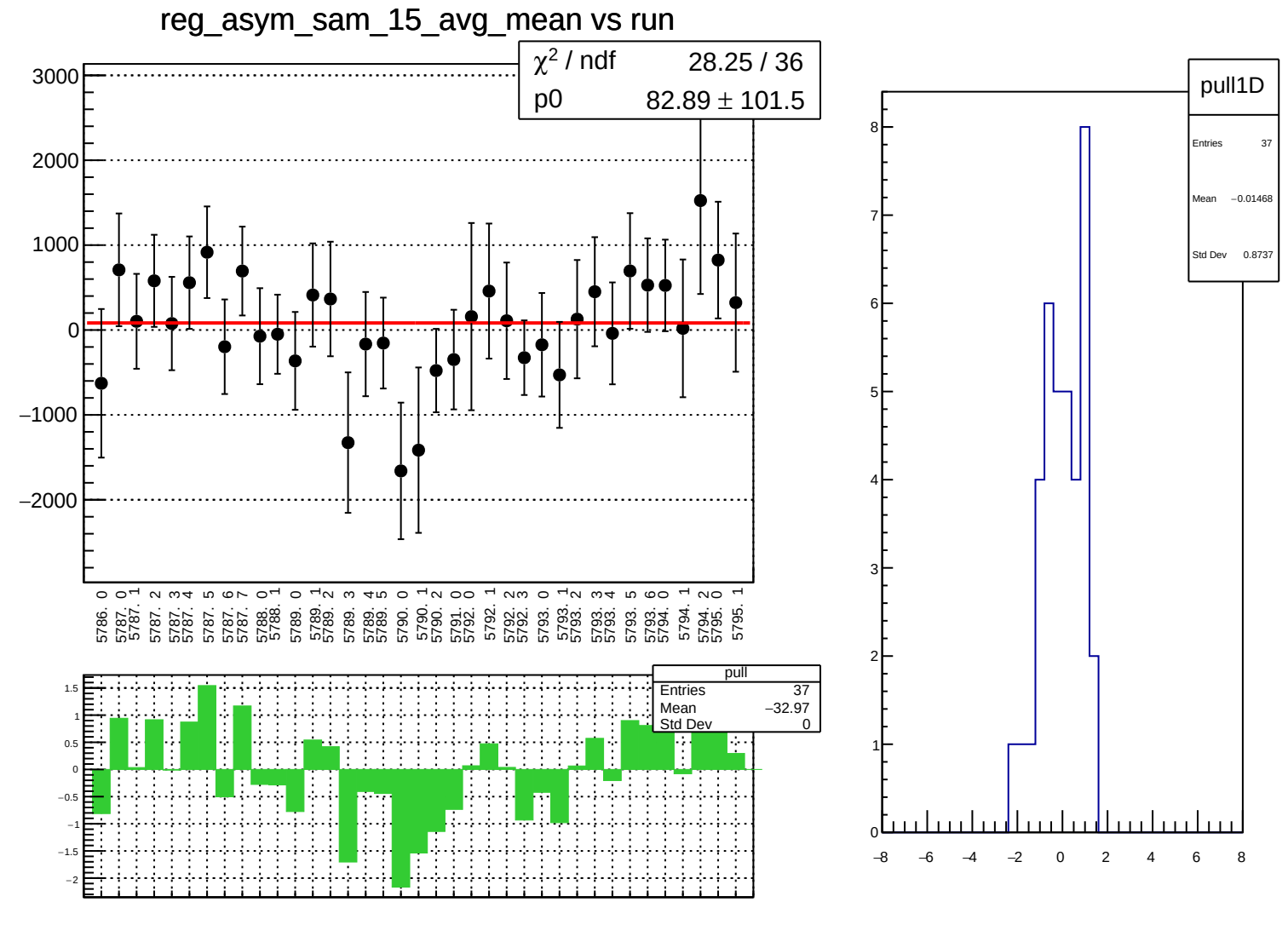

asym_sam8_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.43 / 36
p0 0.07455 ± 0.02781
pull
Entries 37
Mean 39.67
Std Dev 0
pull1D
Entries 37
Mean −0.06244
Std Dev 1.082

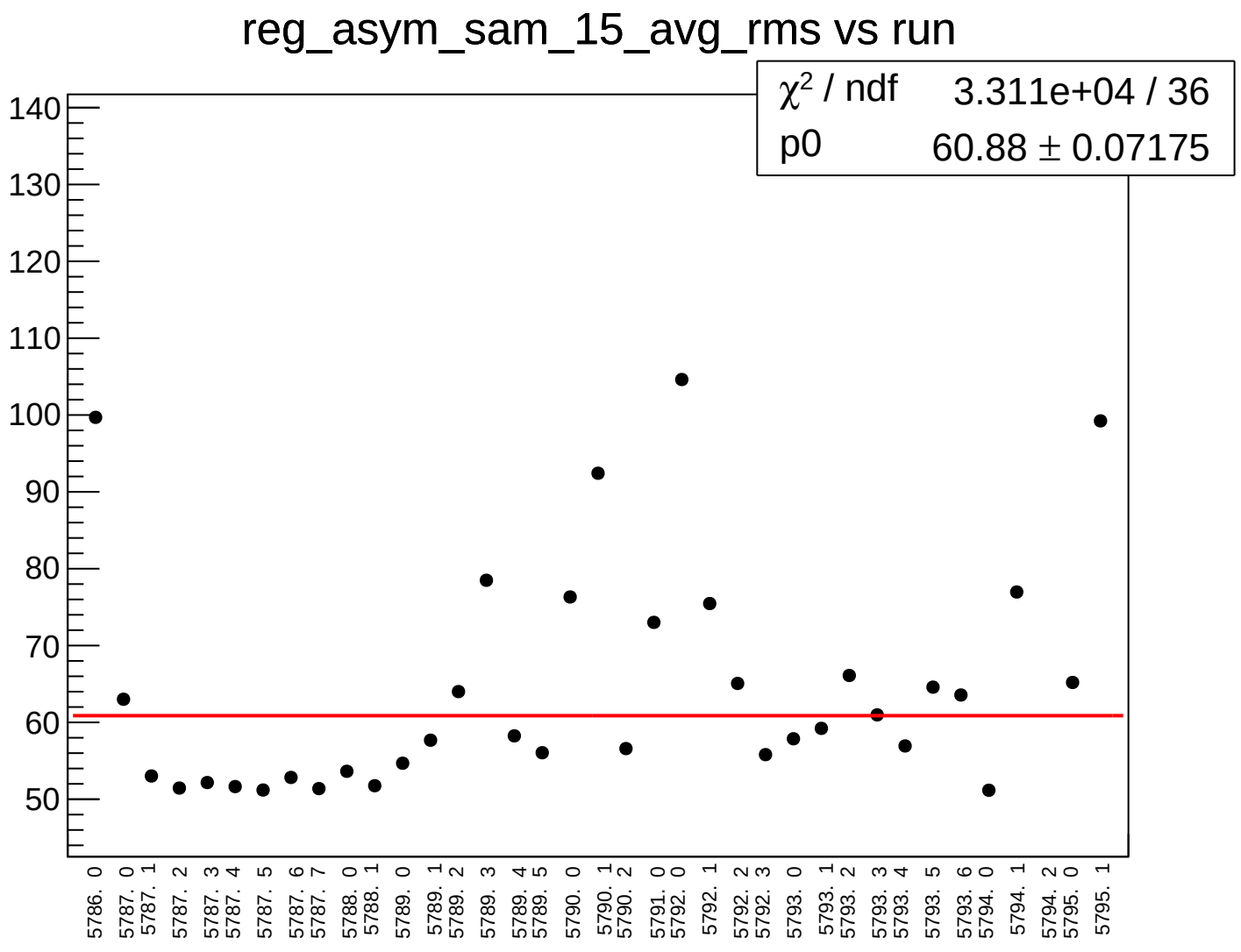

asym_sam8_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.665e+04 / 36
p0 16.64 ± 0.01966
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

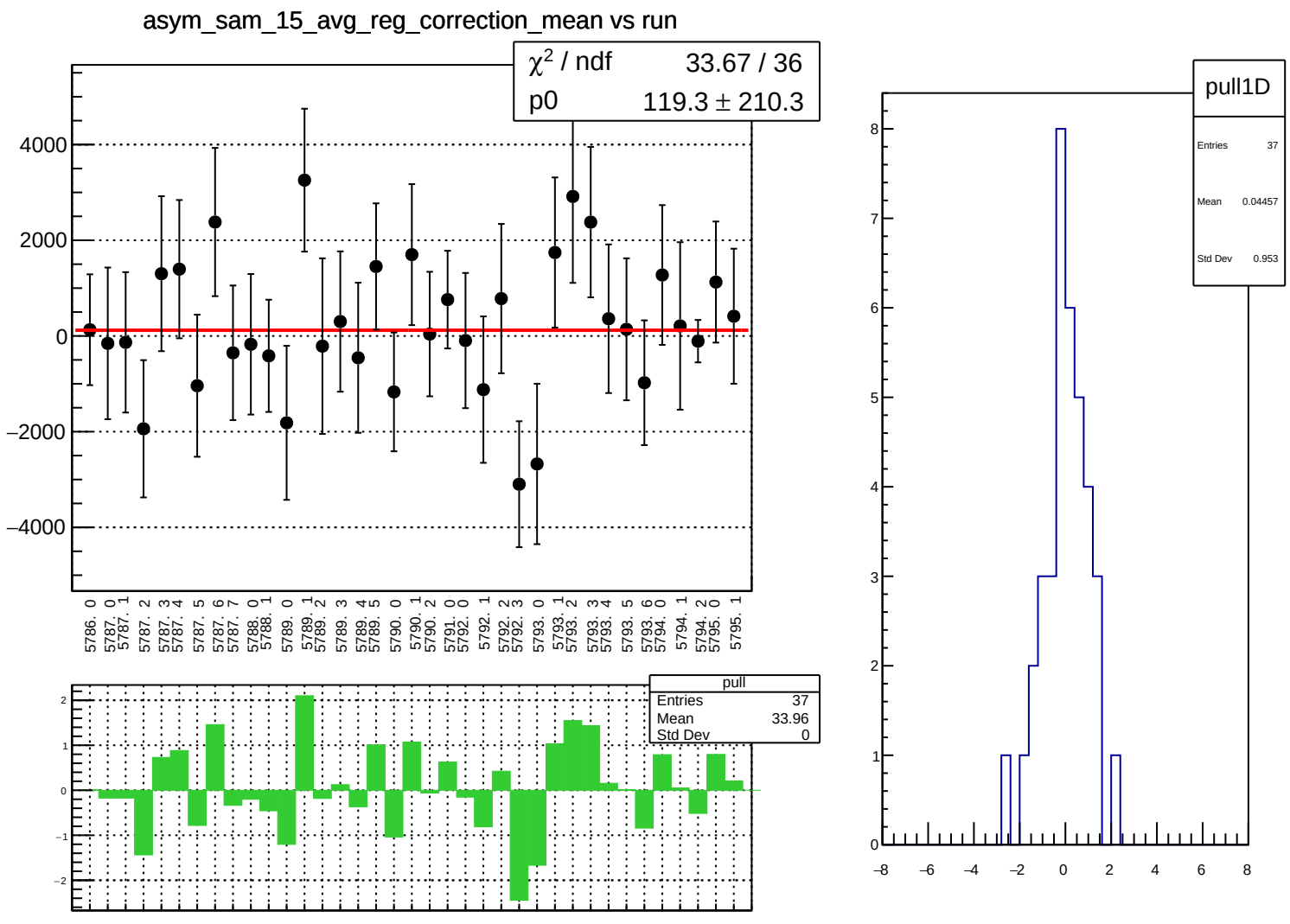

asym_sam8_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 50.56 / 36
p0 7.528e−14 ± 3.904e−14
pull
Entries 37
Mean 4.457
Std Dev 13.71

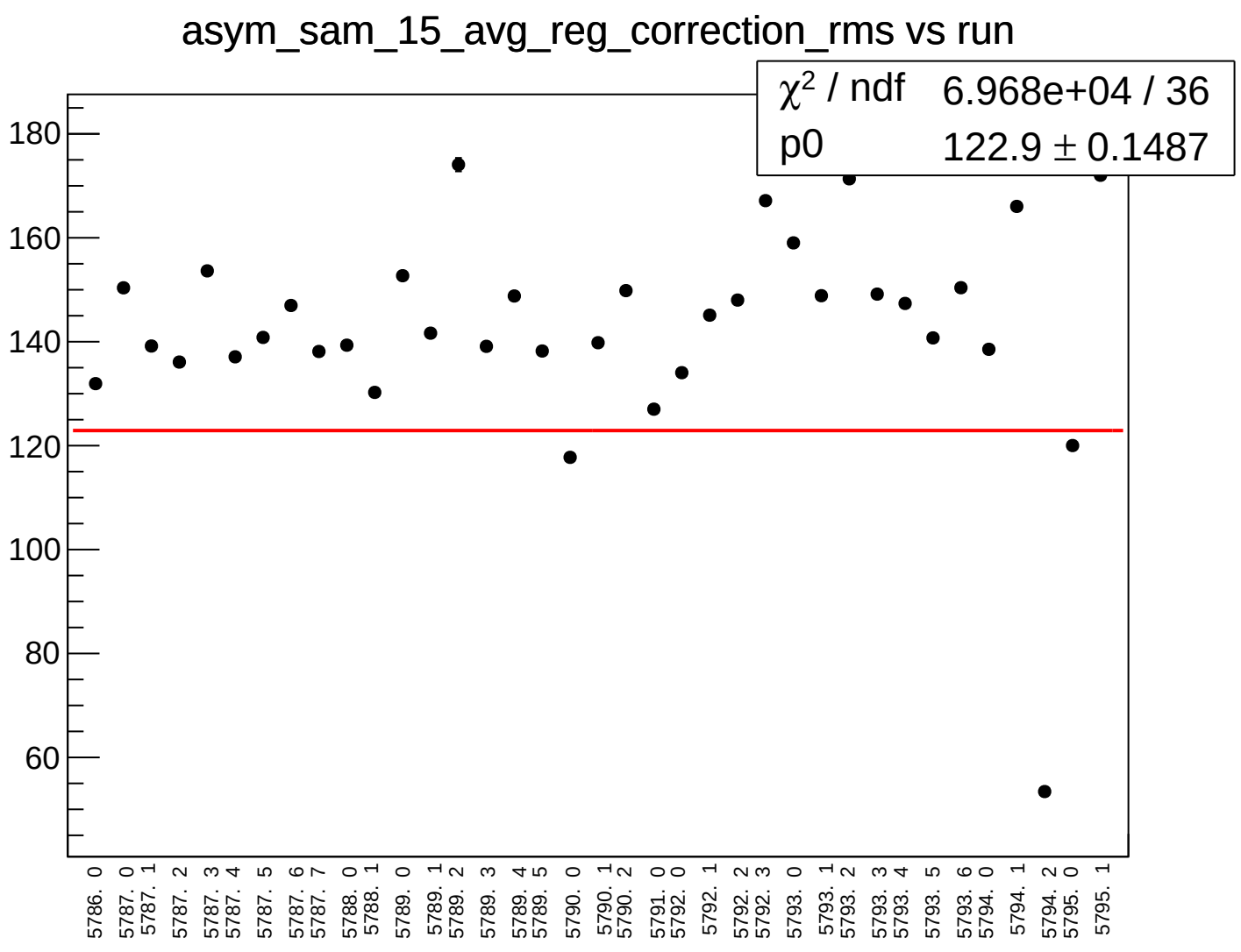

pull1D
Entries 37
Mean 0.1176
Std Dev 1.163


asym_sam8_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.944e+05 / 36
p0 1.87e−11 ± 2.761e−14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_sam_15_avg_mean vs run
χ² / ndf 28.25 / 36
p0 82.89 ± 101.5
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01468
Std Dev 0.8737
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_avg_rms vs run
χ² / ndf 3.311e+04 / 36
p0 60.88 ± 0.07175
140
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_avg_reg_correction_mean vs run
χ² / ndf 33.67 / 36
p0 119.3 ± 210.3
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 33.96
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.04457
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_reg_correction_rms vs run
χ² / ndf 6.968e+04 / 36
p0 122.9 ± 0.1487
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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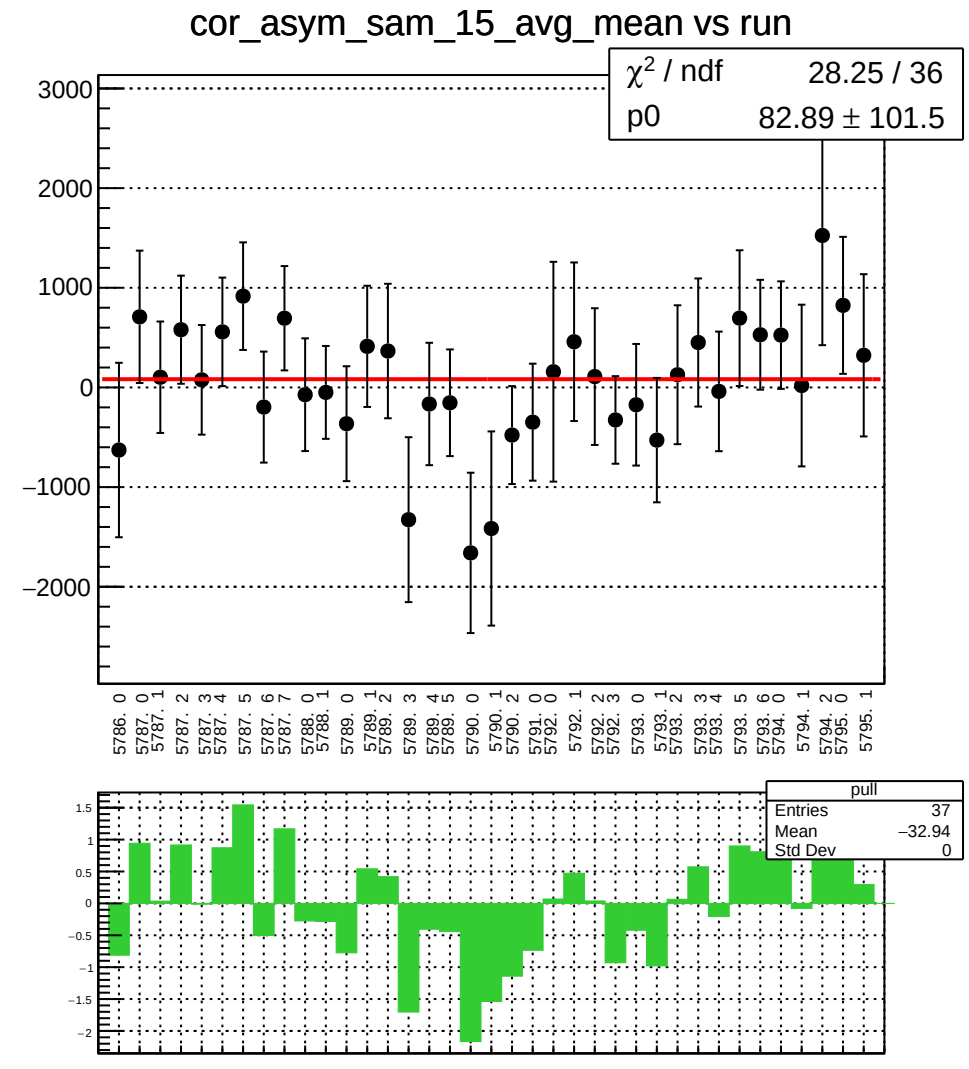
5795. 1


cor_asym_sam_15_avg_mean vs run
χ² / ndf 28.25 / 36
p0 82.89 ± 101.5
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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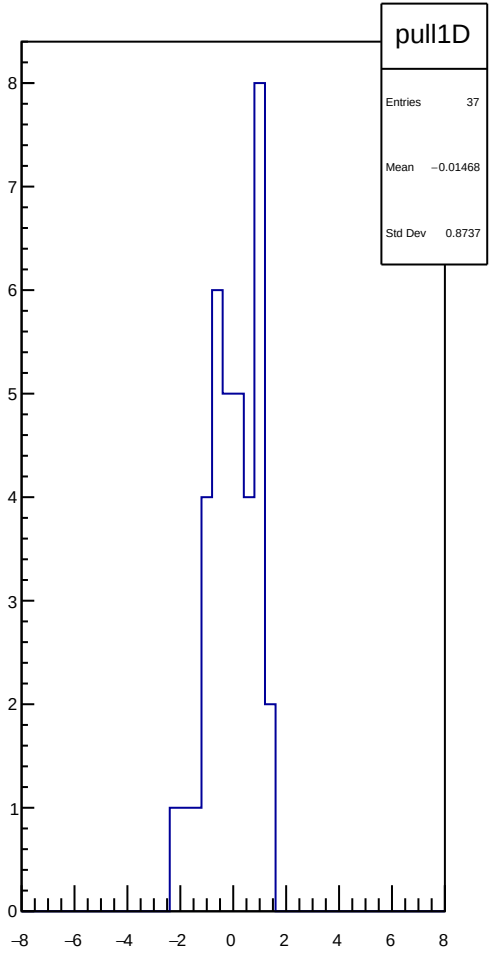
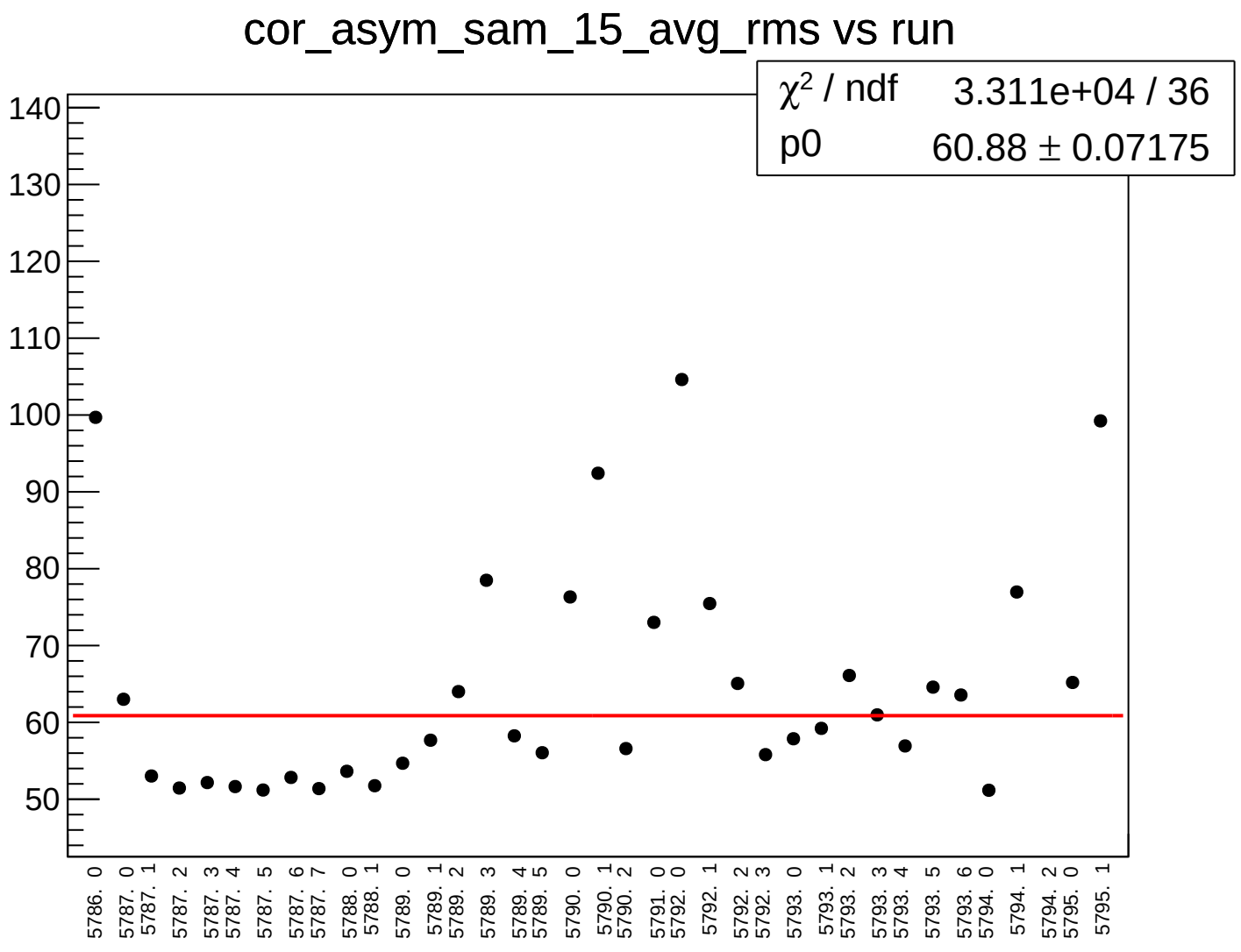
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01468
Std Dev 0.8737
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_avg_rms vs run
χ² / ndf 3.311e+04 / 36
p0 60.88 ± 0.07175
140
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
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5792. 2
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5793. 1
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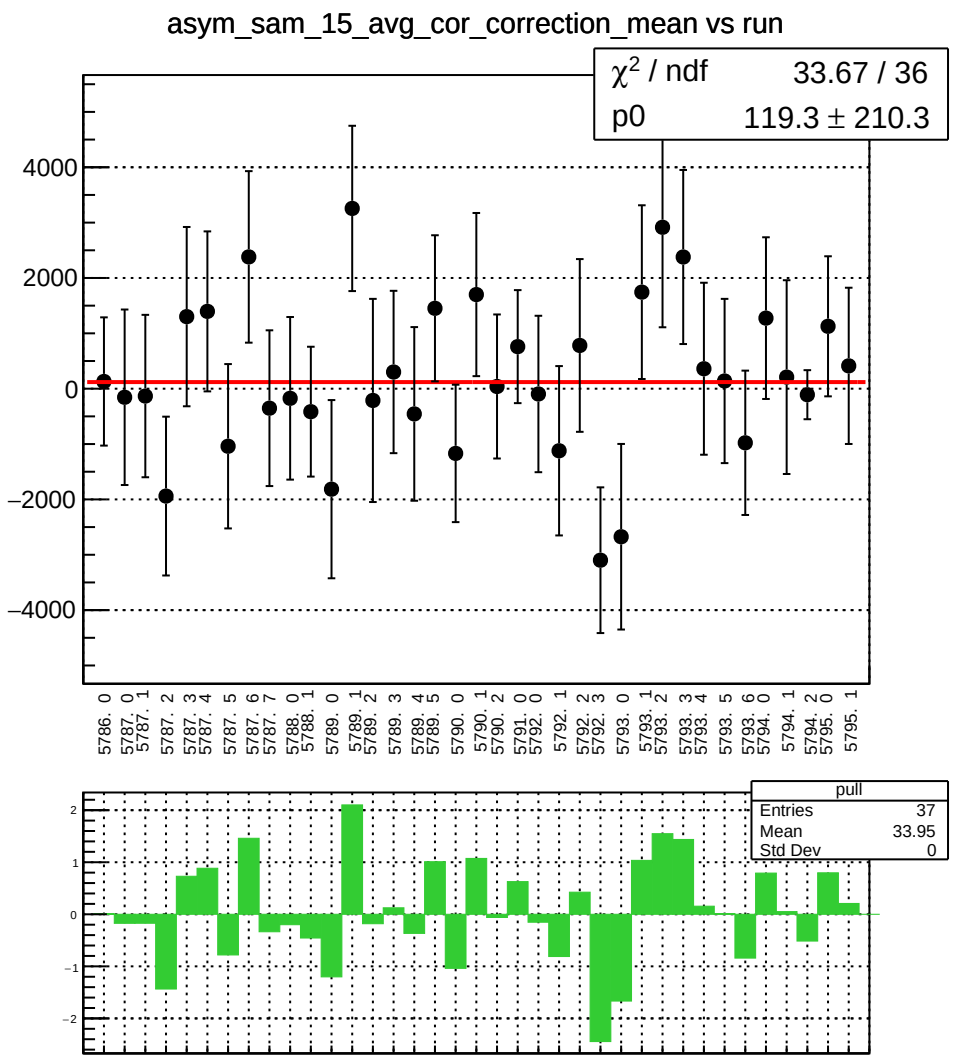
asym_sam_15_avg_cor_correction_mean vs run
χ² / ndf 33.67 / 36
p0 119.3 ± 210.3
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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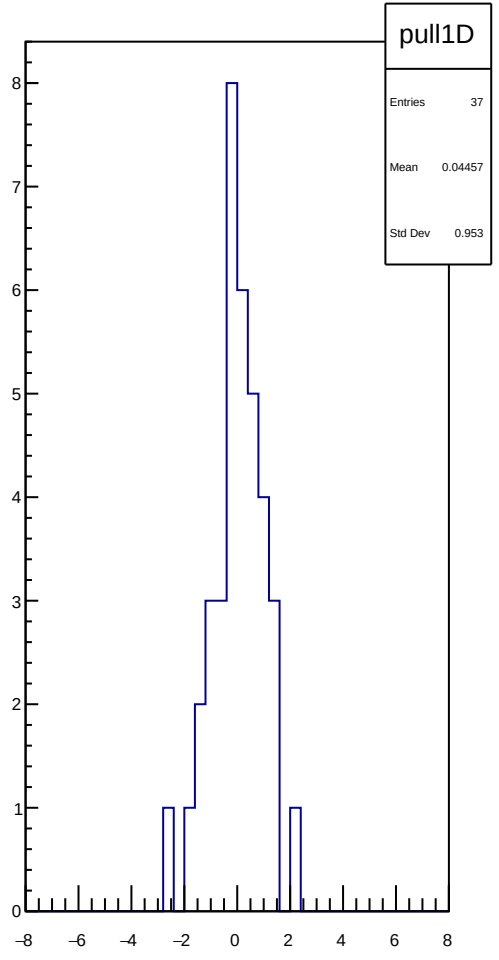
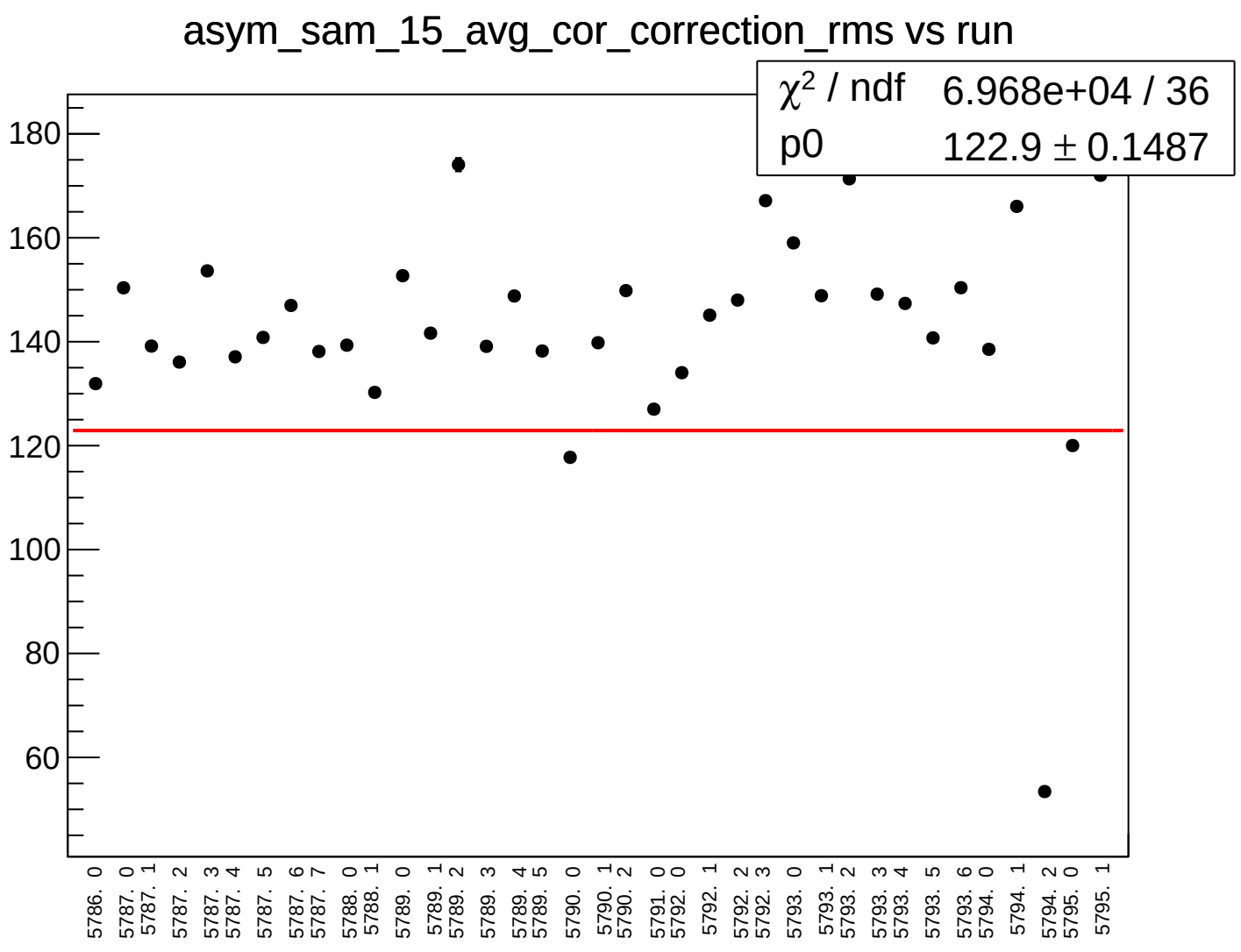
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 33.95
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.04457
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_cor_correction_rms vs run
χ² / ndf 6.968e+04 / 36
p0 122.9 ± 0.1487
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5790. 0
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5794. 0
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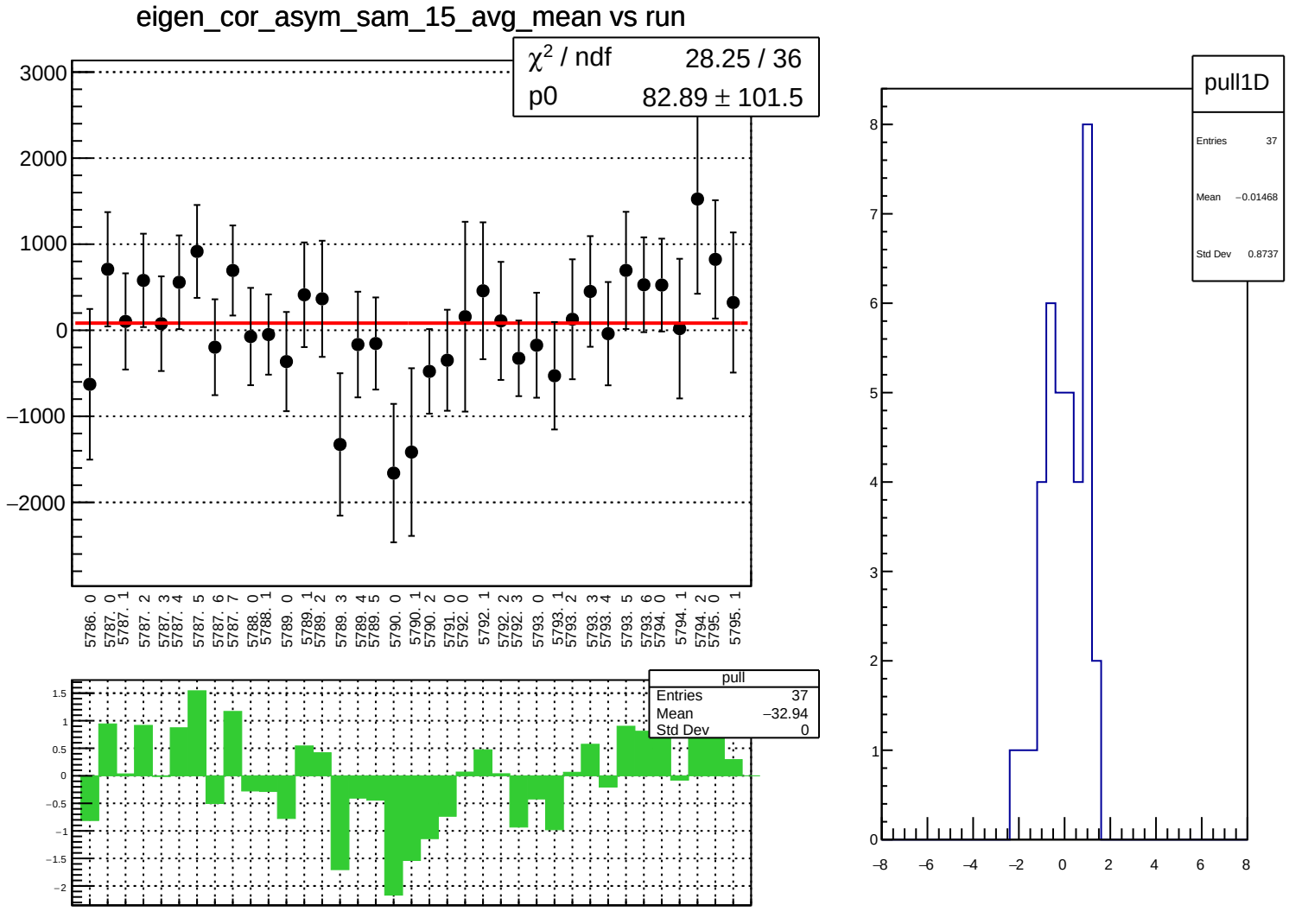
5795. 0
5795. 1


eigen_cor_asym_sam_15_avg_mean vs run
χ² / ndf 28.25 / 36
p0 82.89 ± 101.5
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
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5790. 2
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5792. 0
5792. 1
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5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −32.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01468
Std Dev 0.8737
8
7
6
5
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3
2
1
0
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−4
−2
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2
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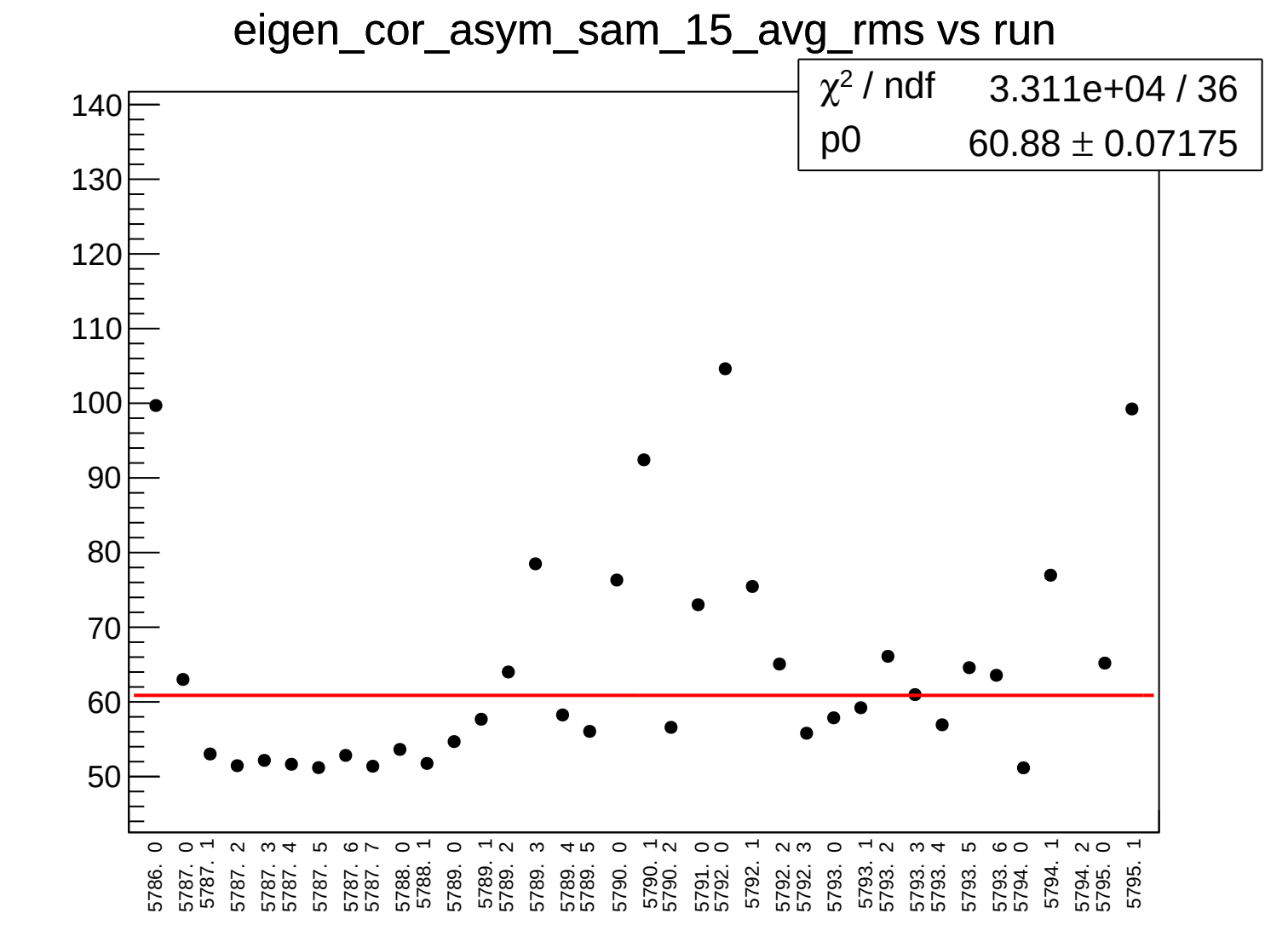
6
8


eigen_cor_asym_sam_15_avg_rms vs run
χ² / ndf 3.311e+04 / 36
p0 60.88 ± 0.07175
140
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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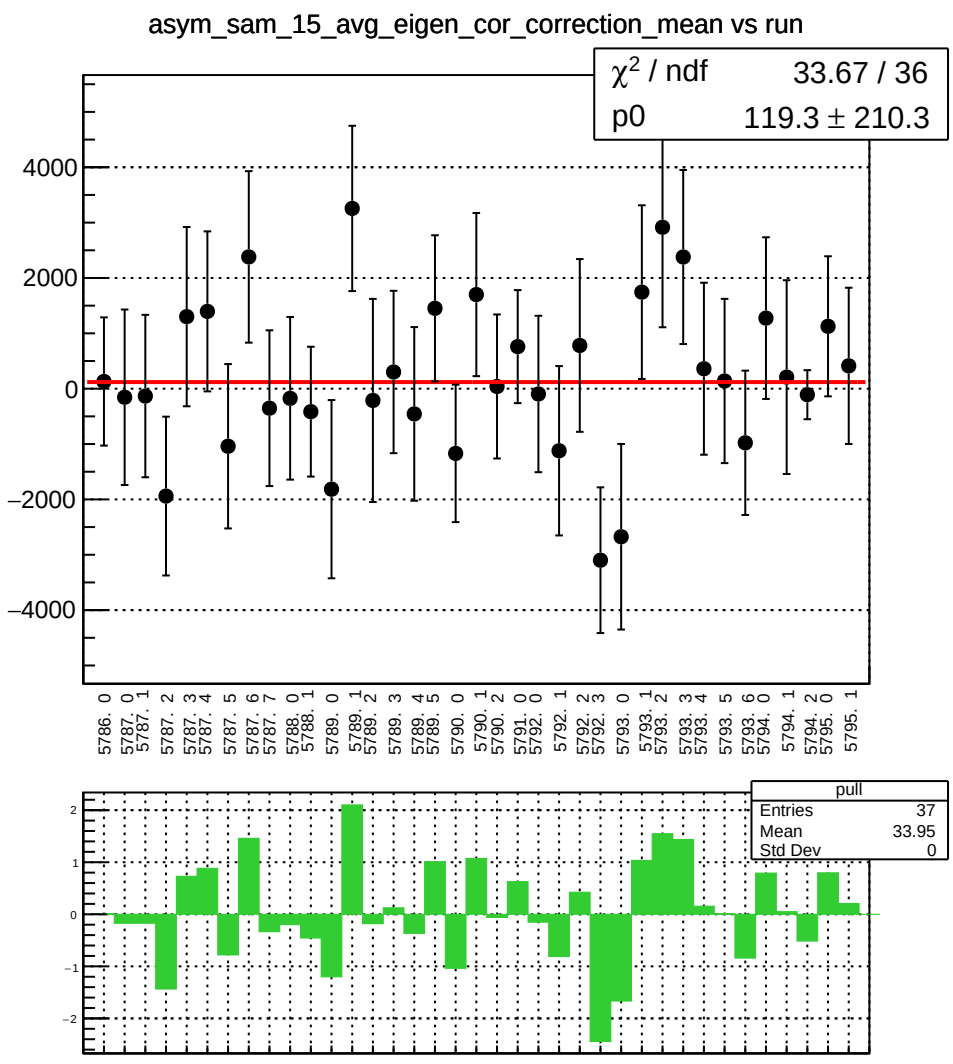
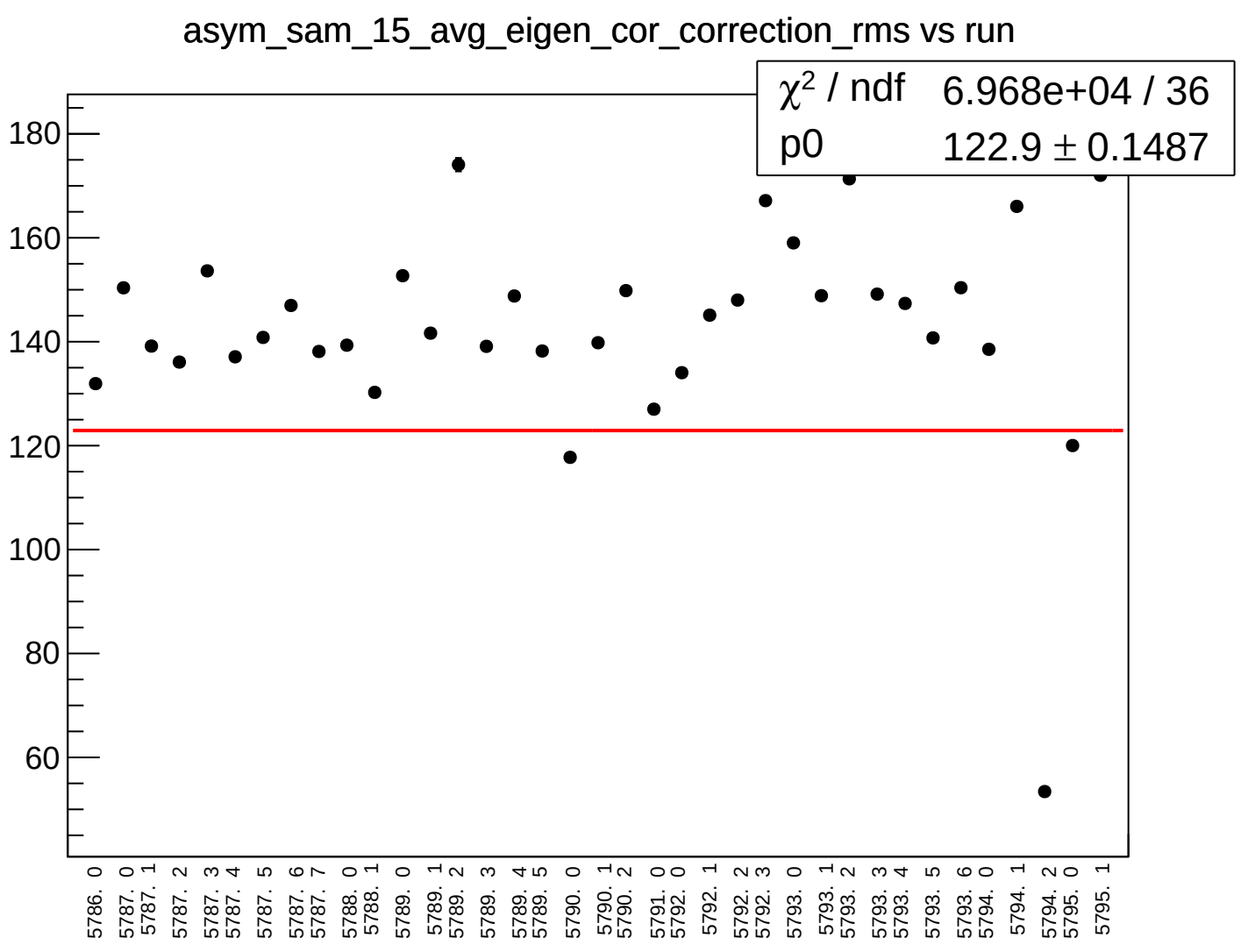
5795. 0
5795. 1


asym_sam_15_avg_eigen_cor_correction_mean vs run
χ² / ndf 33.67 / 36
p0 119.3 ± 210.3
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 33.95
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.04457
Std Dev 0.953
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_eigen_cor_correction_rms vs run
χ² / ndf 6.968e+04 / 36
p0 122.9 ± 0.1487
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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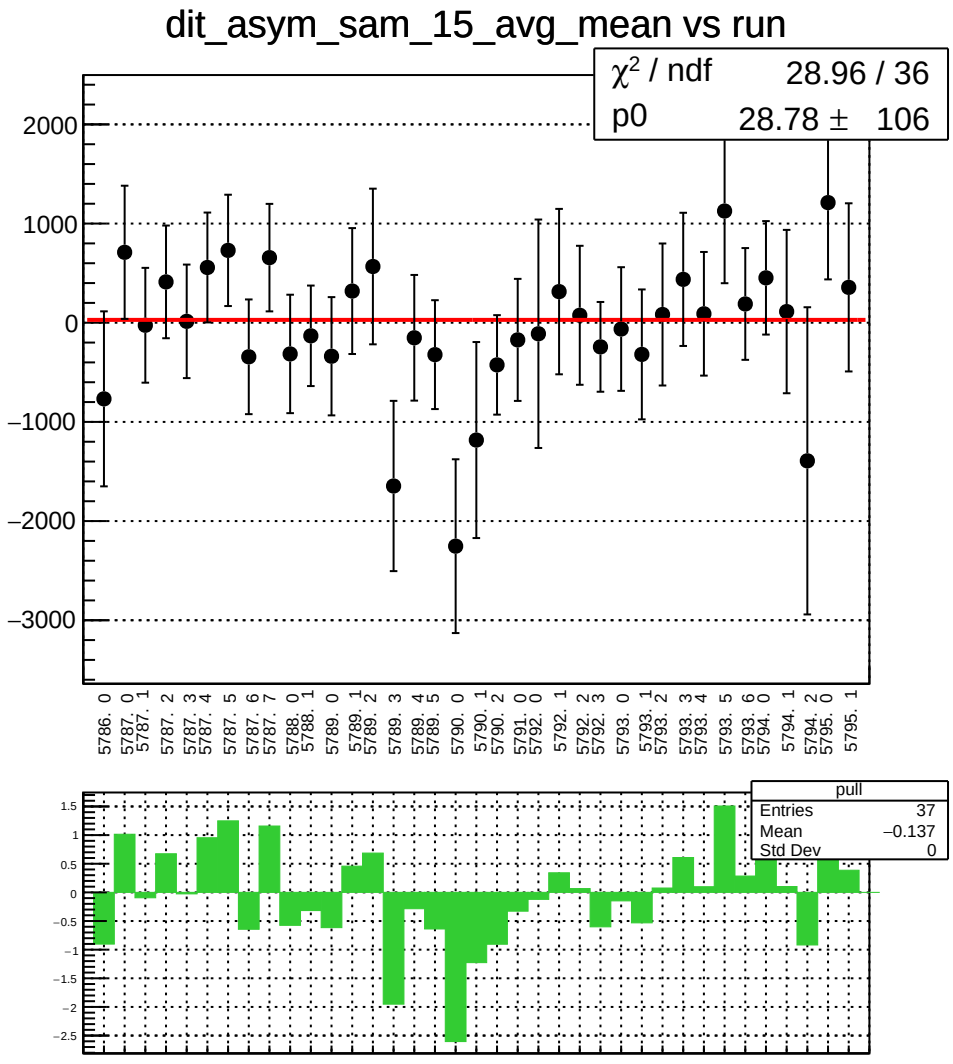
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_15_avg_mean vs run
χ² / ndf 28.96 / 36
p0 28.78 ± 106
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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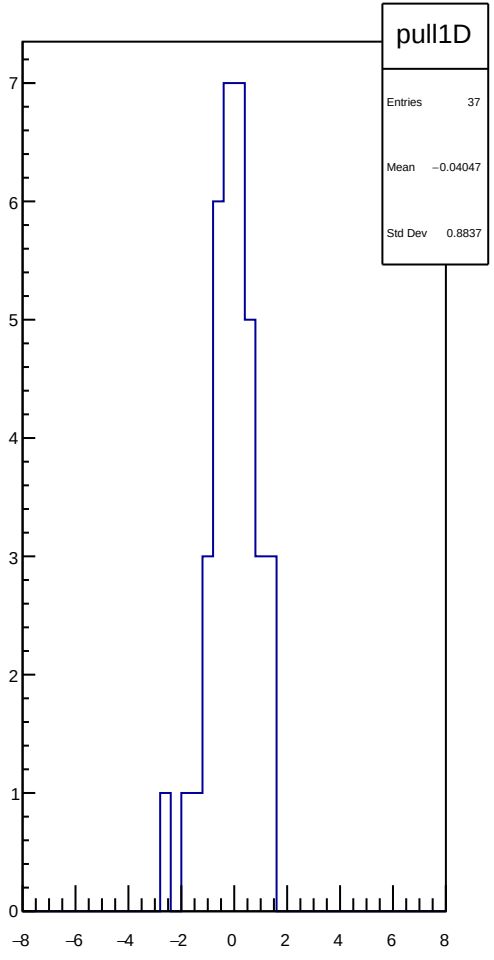
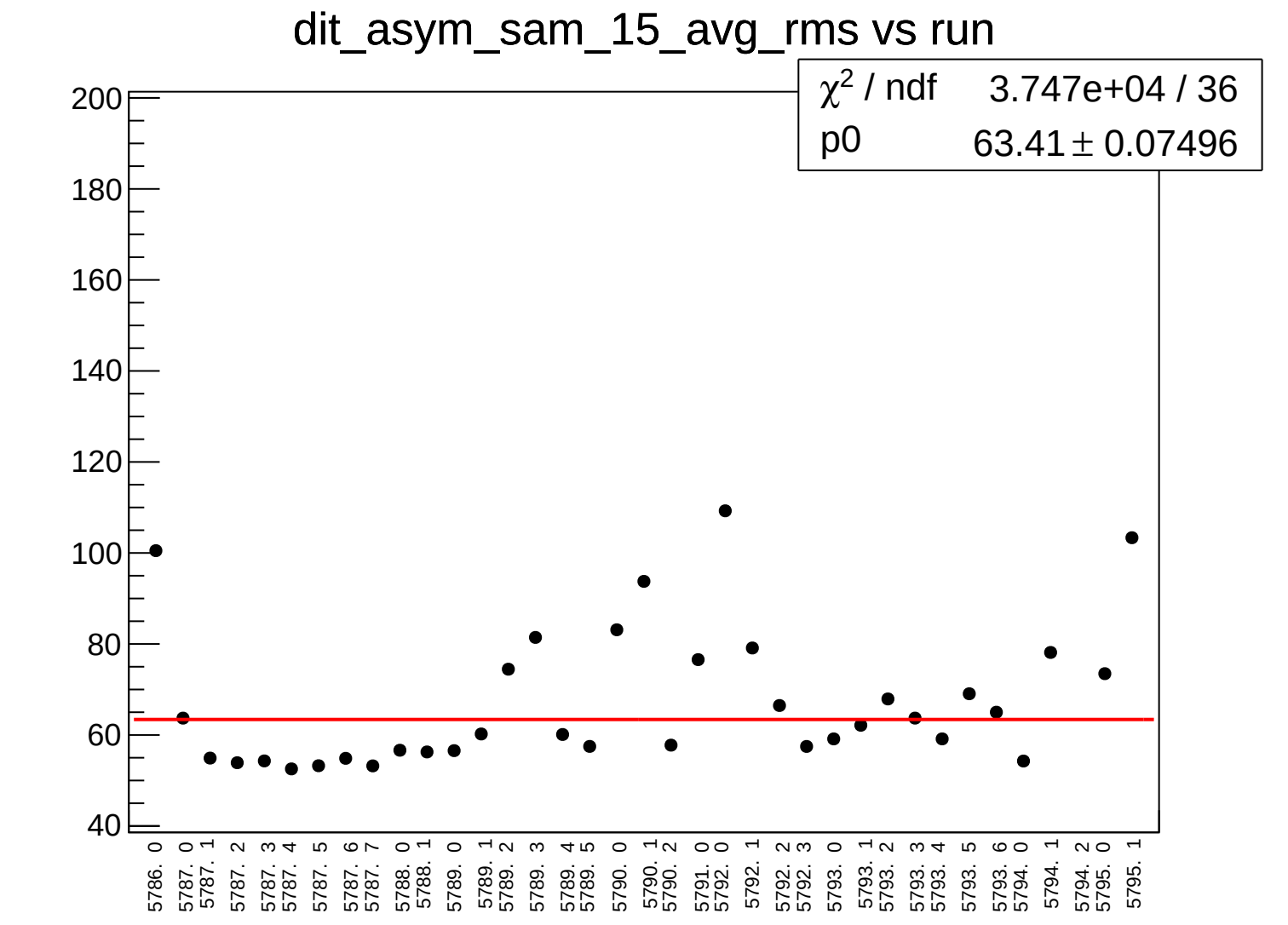
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.137
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean −0.04047
Std Dev 0.8837
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
χ² / ndf 3.747e+04 / 36
p0 63.41 ± 0.07496
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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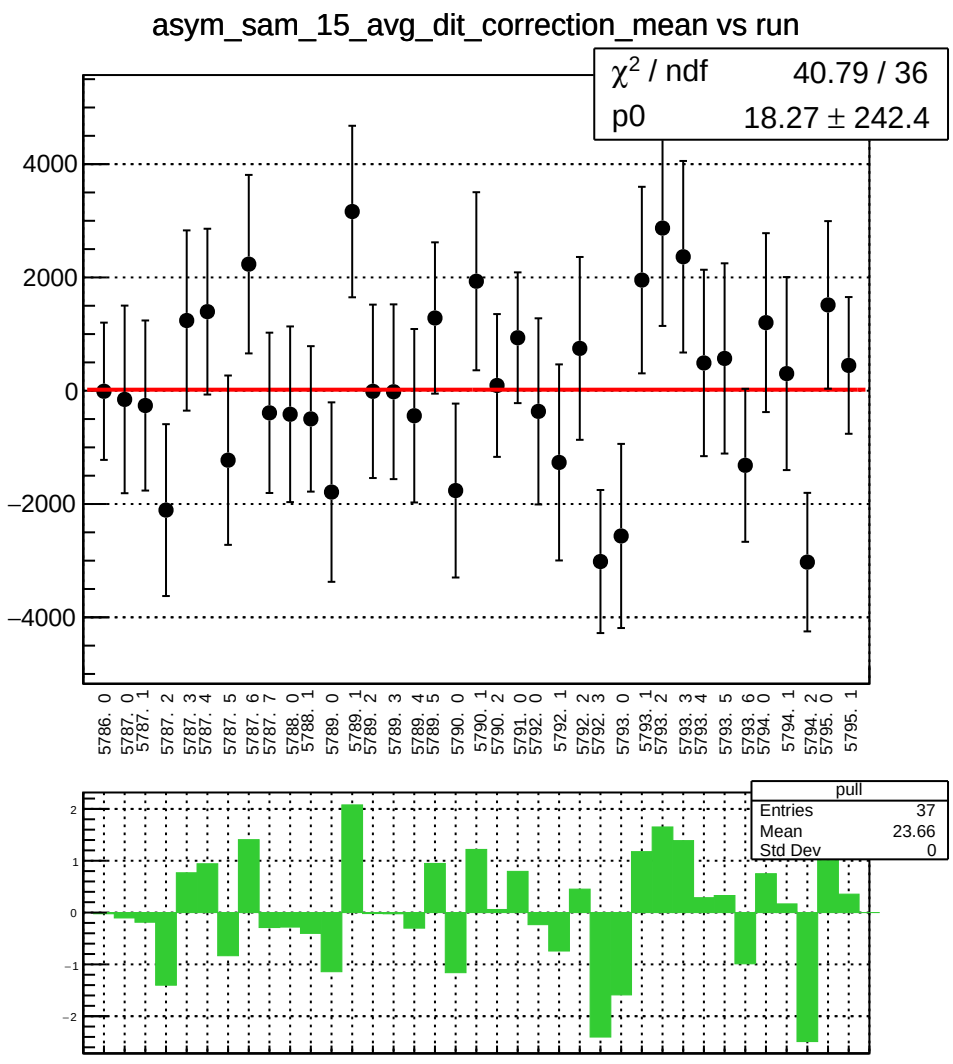
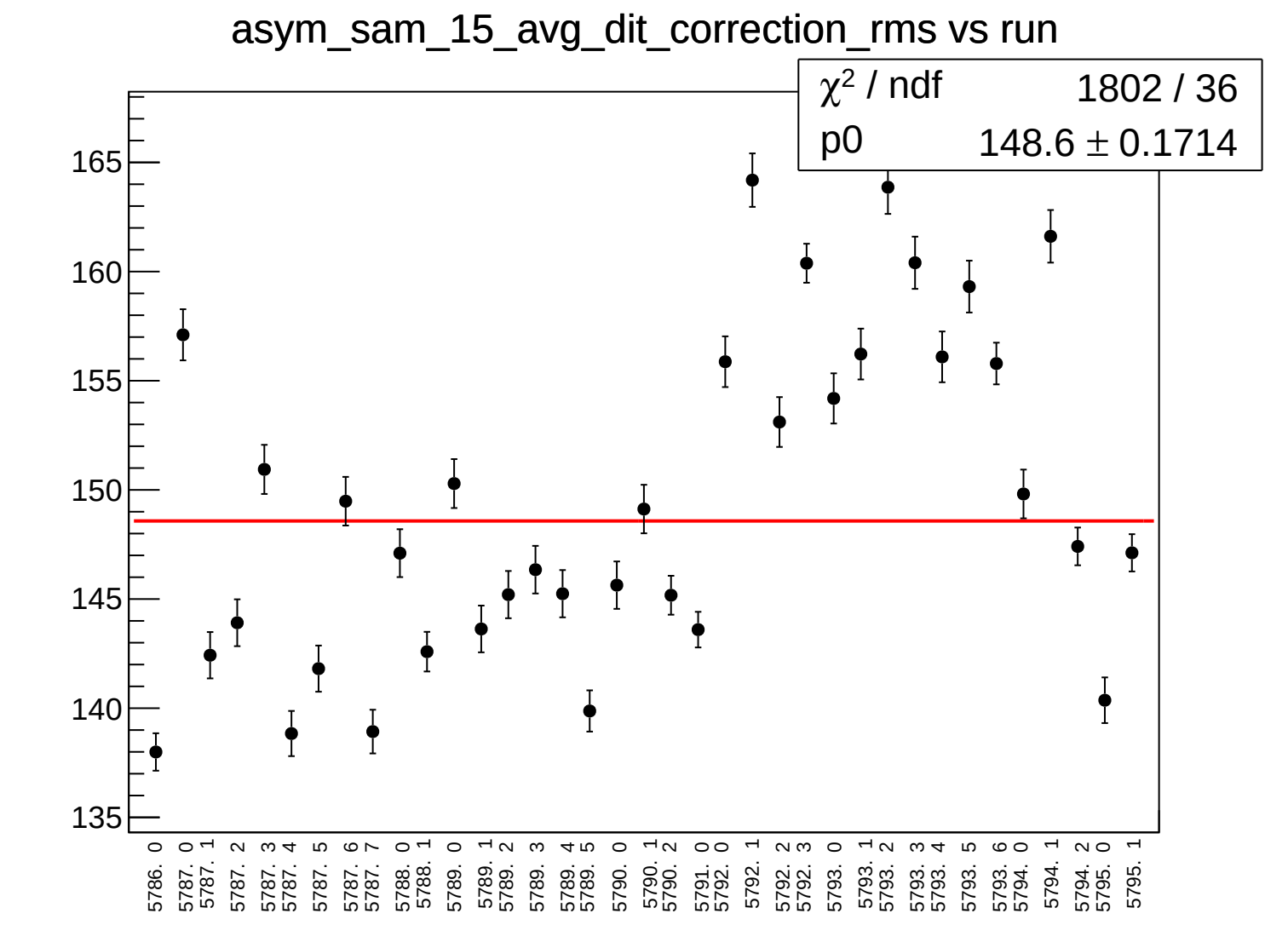
5794. 2
5795. 0
5795. 1


asym_sam_15_avg_dit_correction_mean vs run
χ² / ndf 40.79 / 36
p0 18.27 ± 242.4
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.66
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03169
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_avg_dit_correction_rms vs run
χ² / ndf 1802 / 36
p0 148.6 ± 0.1714
165
160
155
150
145
140
135
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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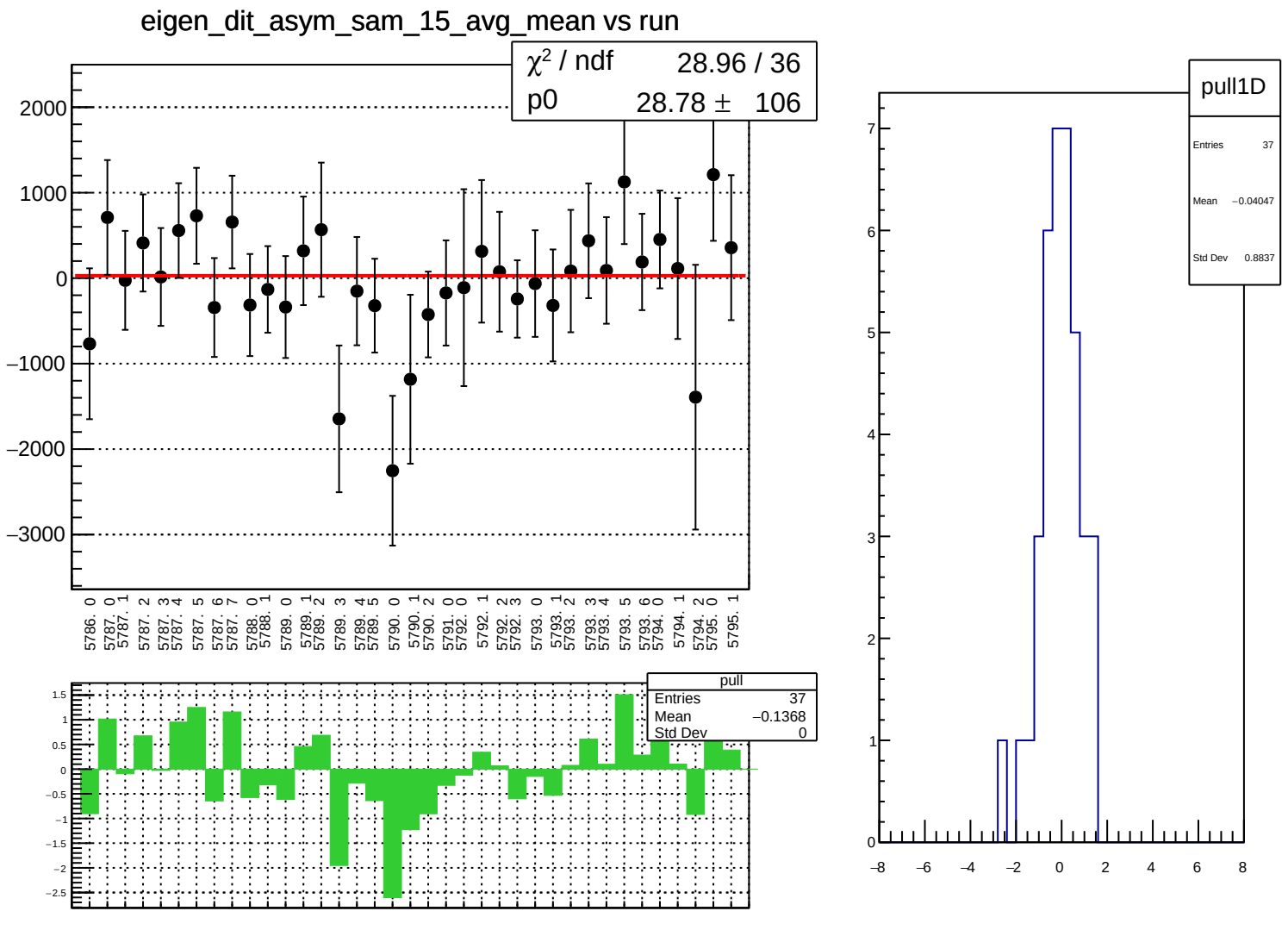
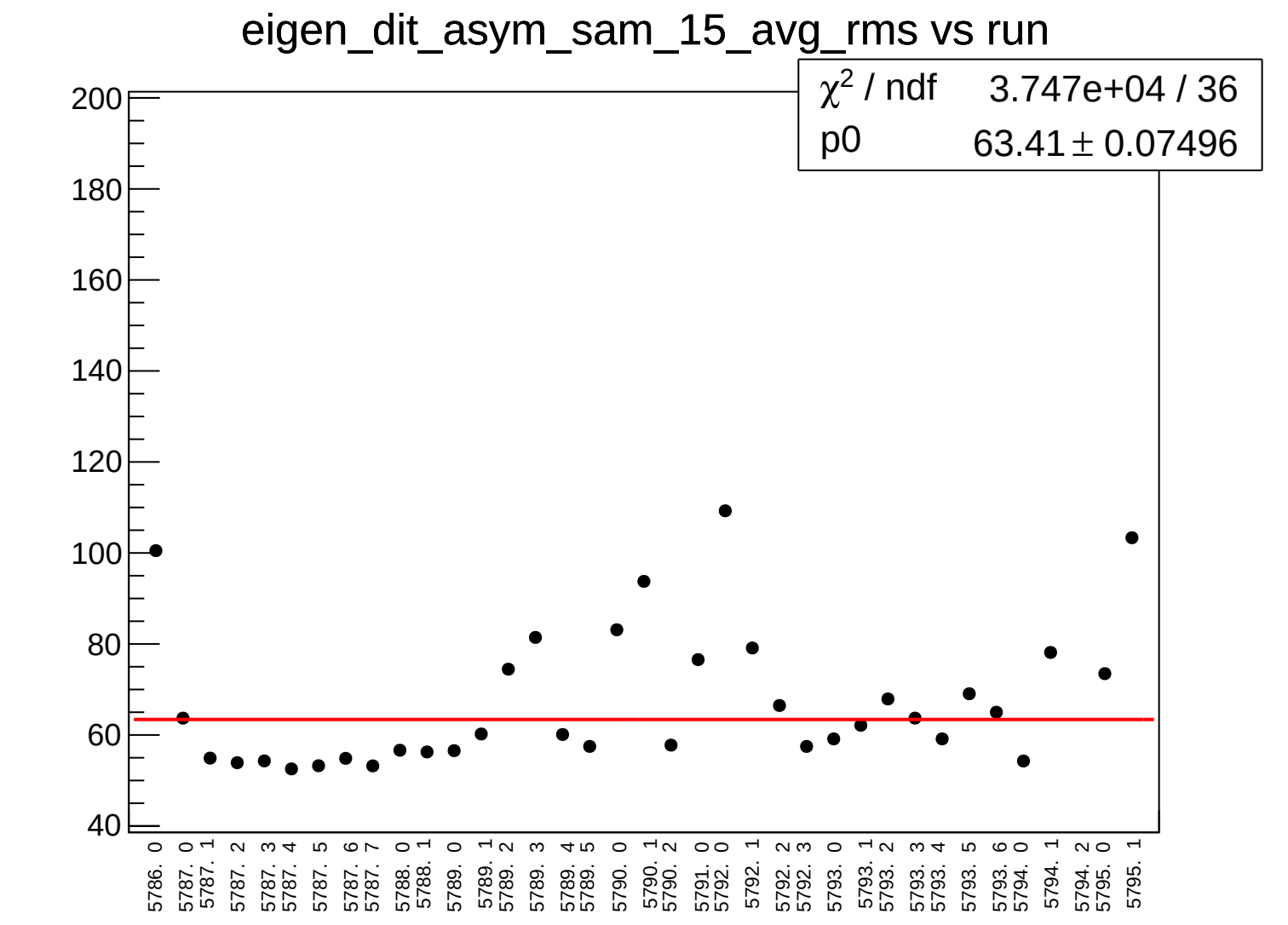
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam_15_avg_mean vs run
χ² / ndf 28.96 / 36
p0 28.78 ± 106
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.1368
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.04047
Std Dev 0.8837
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_avg_rms vs run
χ² / ndf 3.747e+04 / 36
p0 63.41 ± 0.07496
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
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5787. 5
5787. 6
5787. 7
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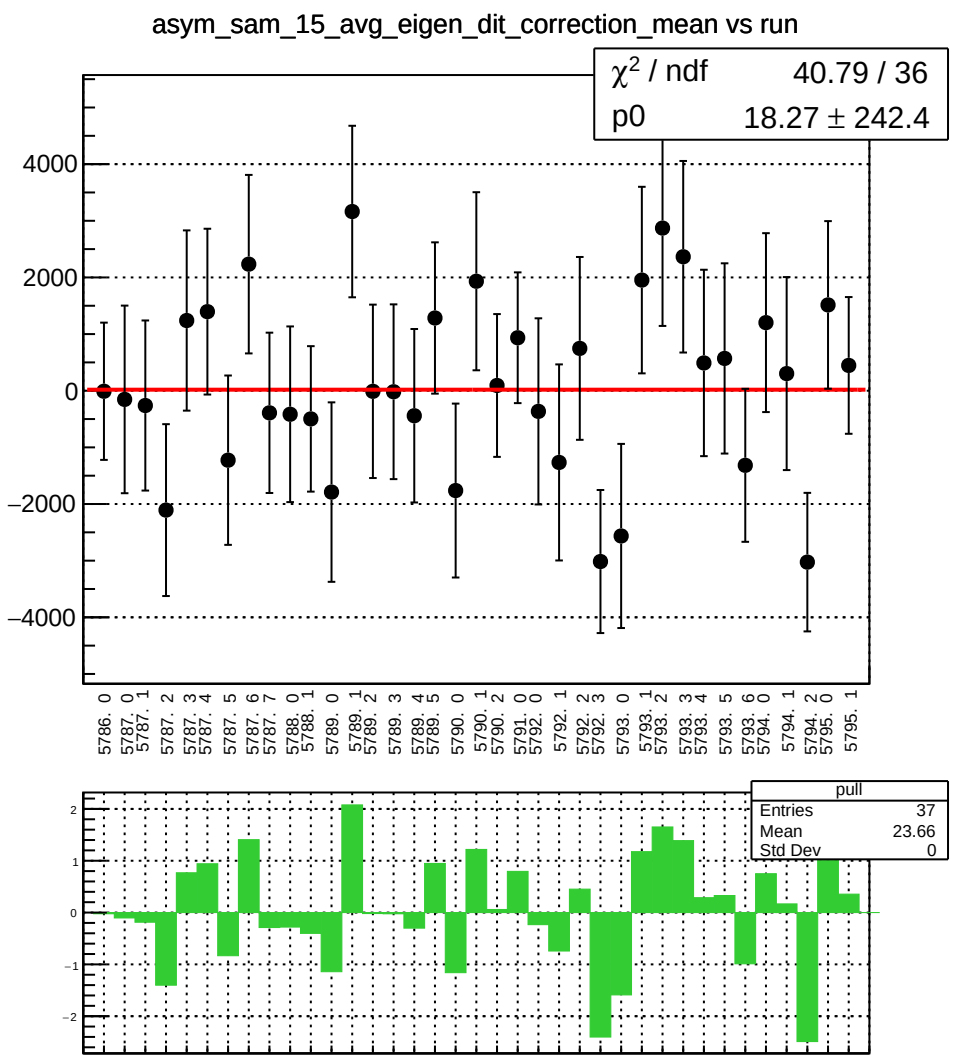
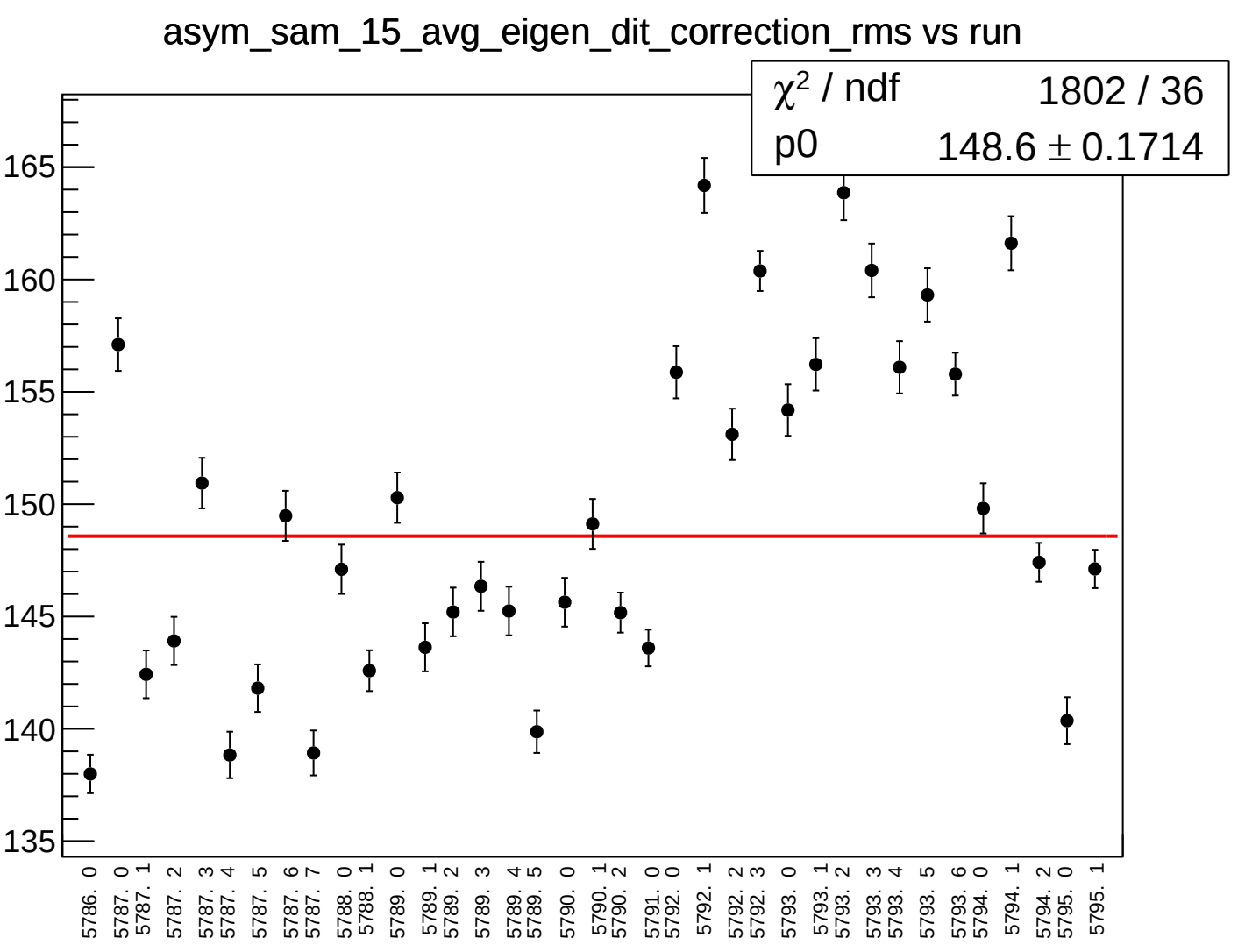
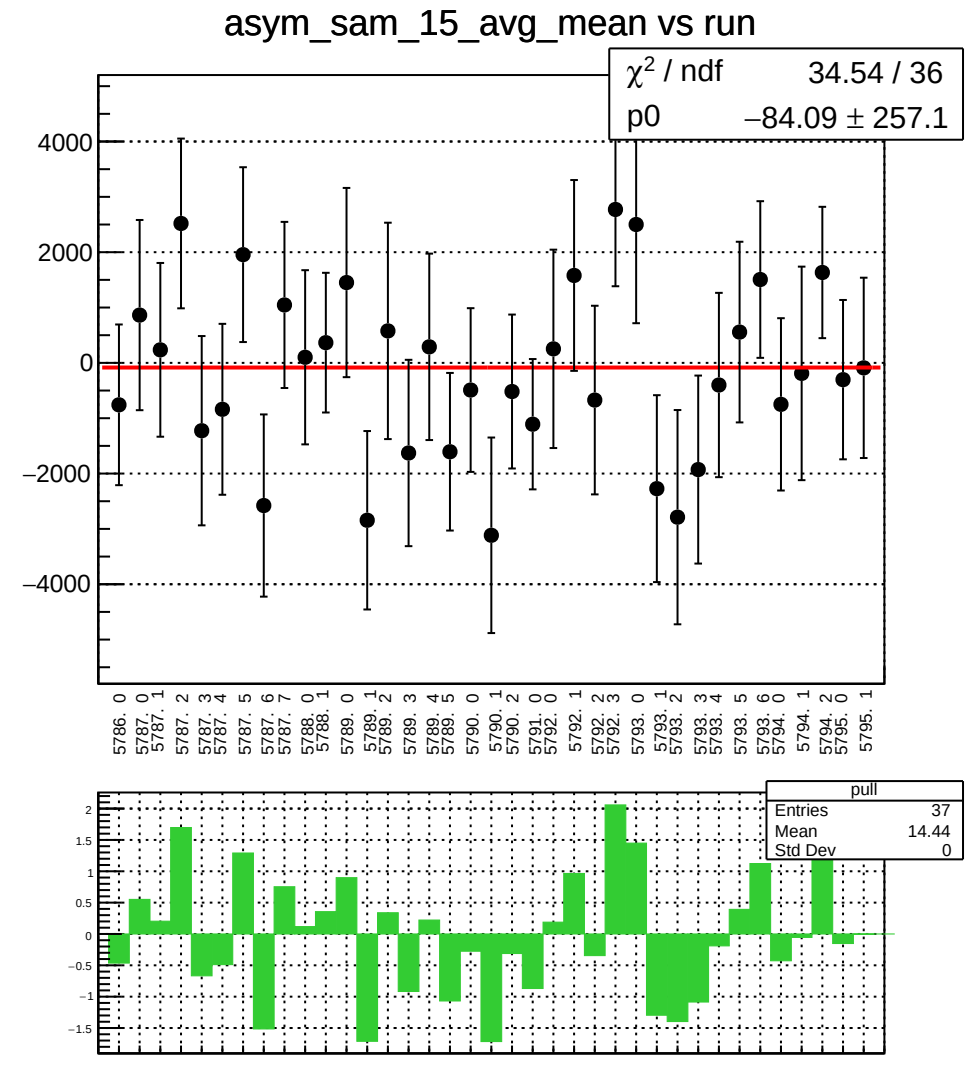
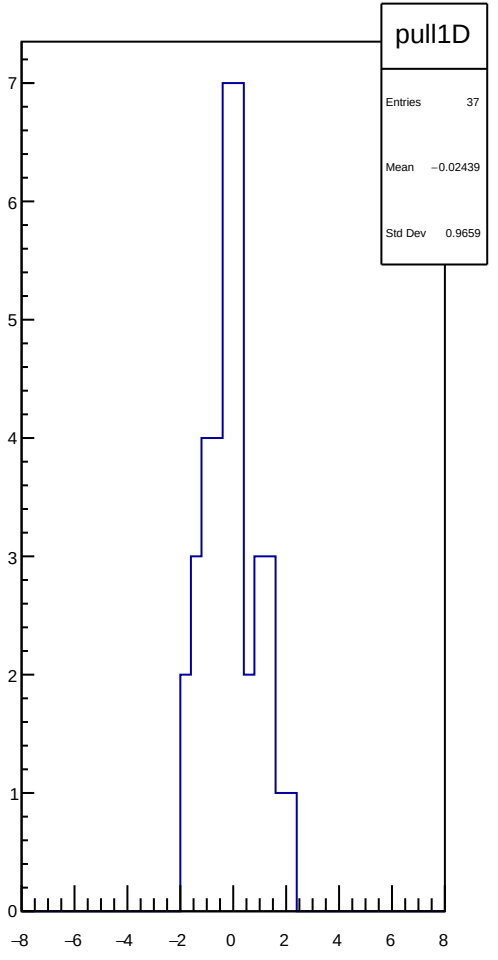
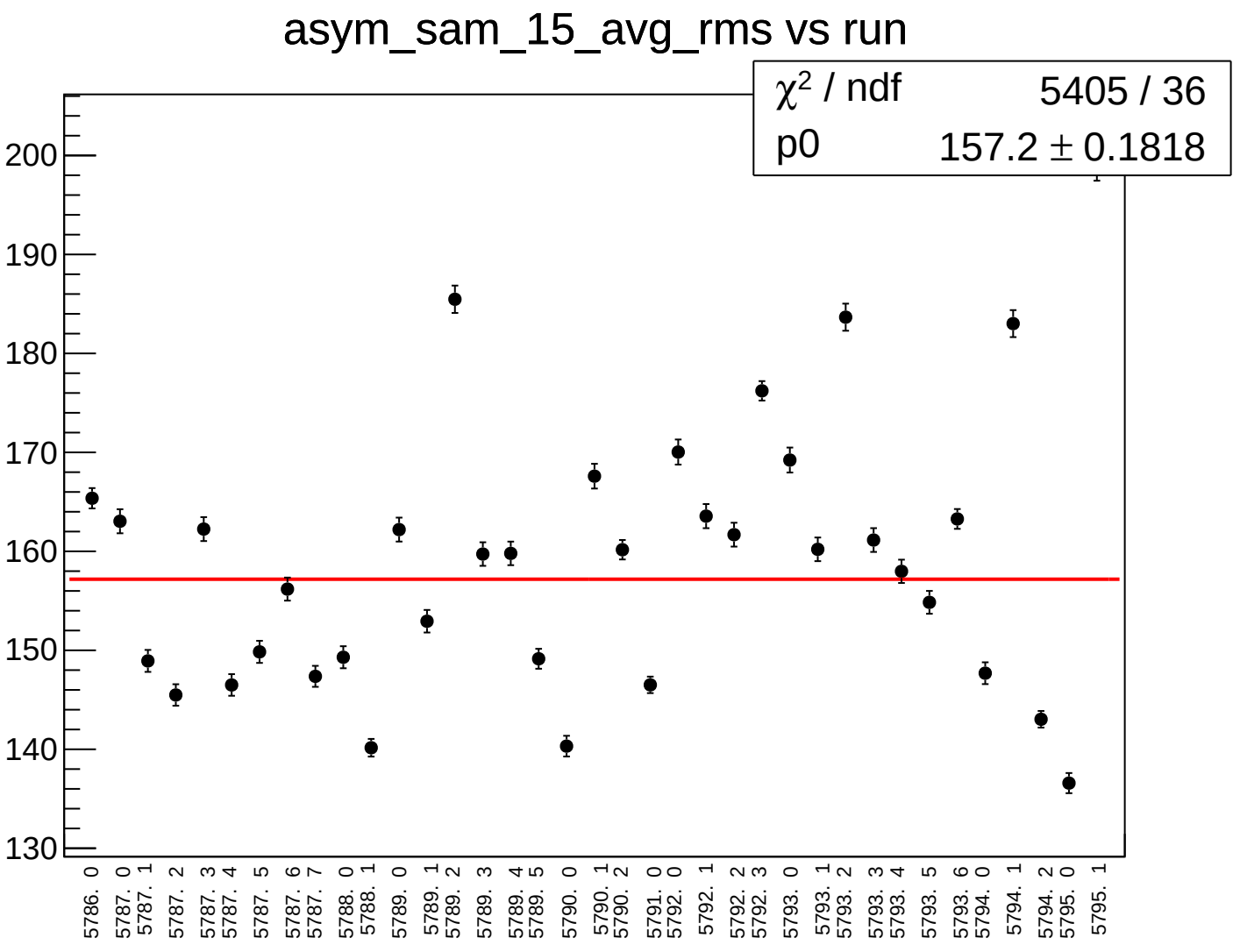
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

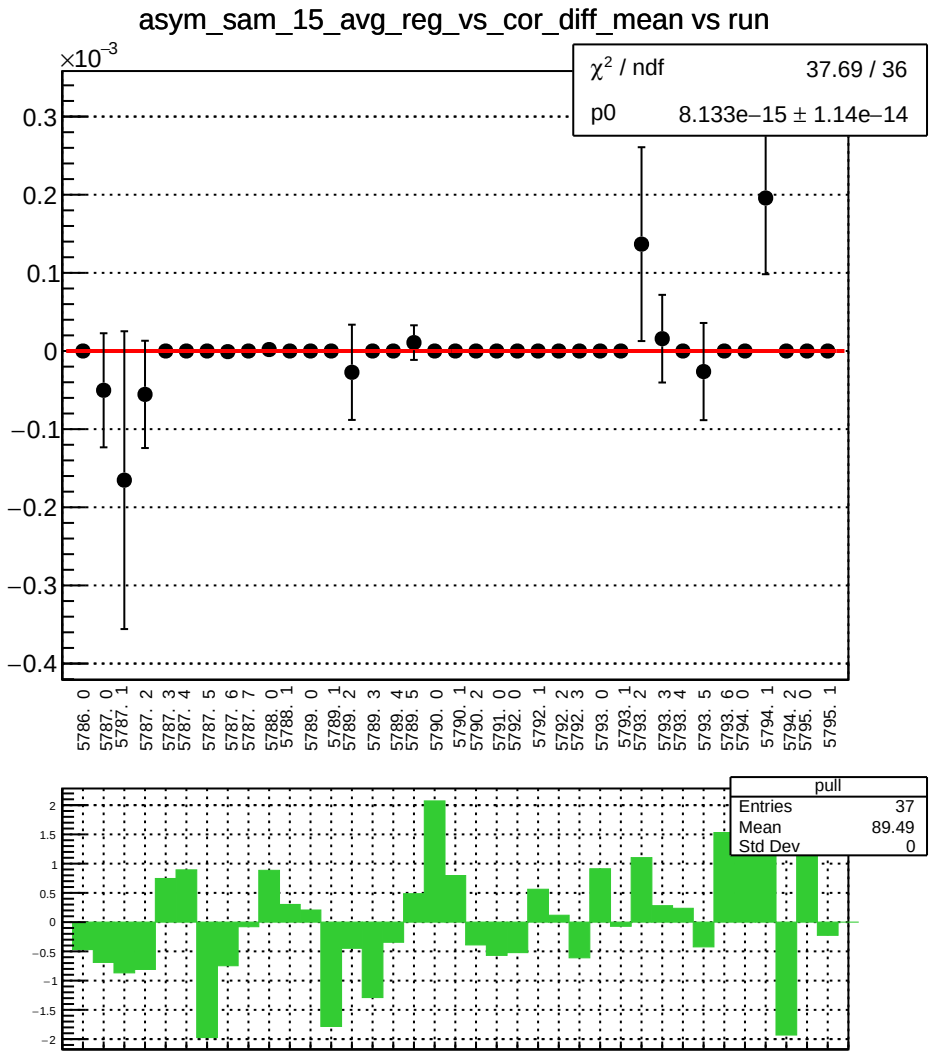

asym_sam_15_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.79 / 36
p0 18.27 ± 242.4
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.66
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03169
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

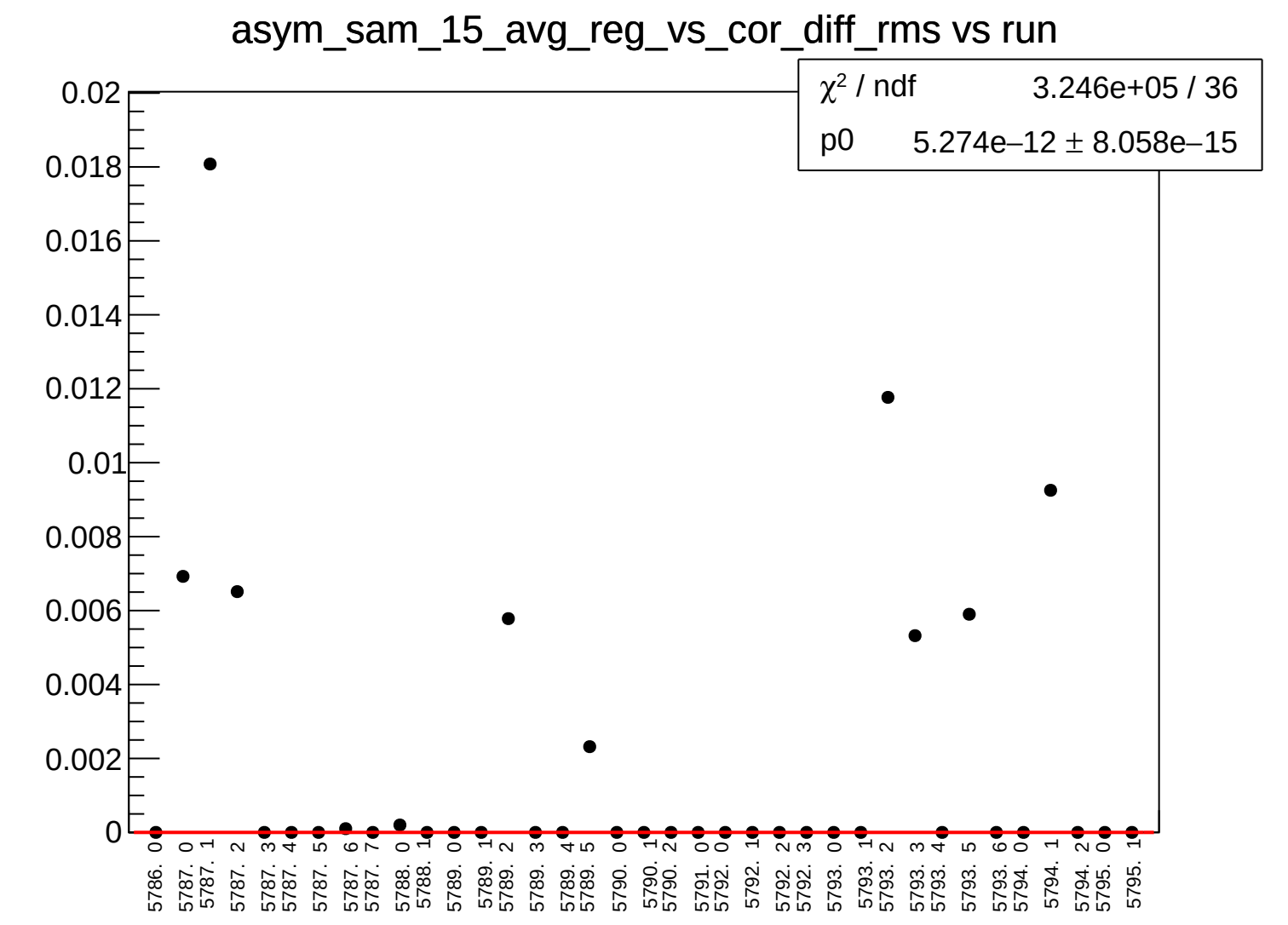

asym_sam_15_avg_eigen_dit_correction_rms vs run
χ² / ndf 1802 / 36
p0 148.6 ± 0.1714
165
160
155
150
145
140
135
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

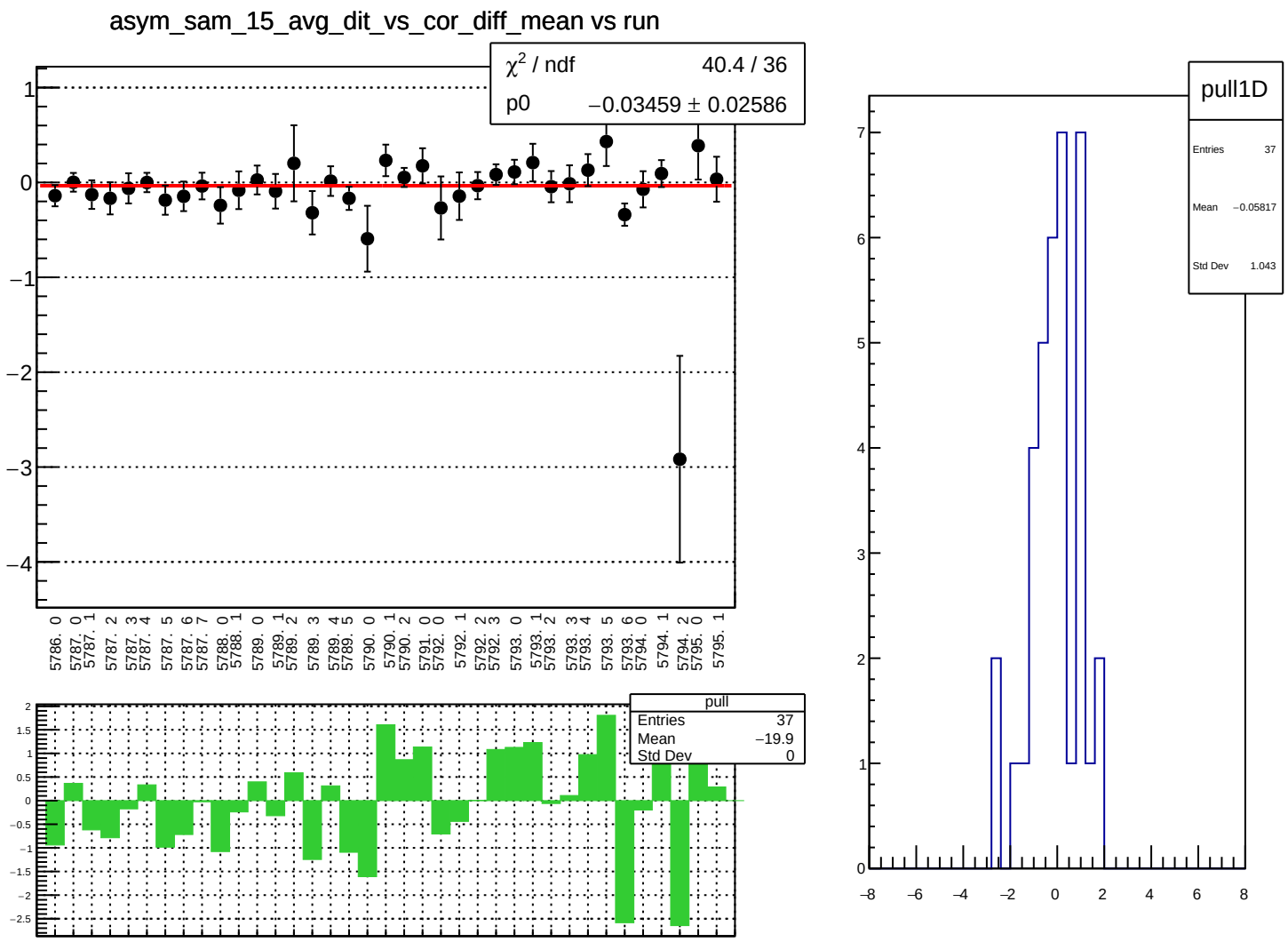

asym_sam_15_avg_mean vs run
χ² / ndf 34.54 / 36
p0 −84.09 ± 257.1
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.44
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

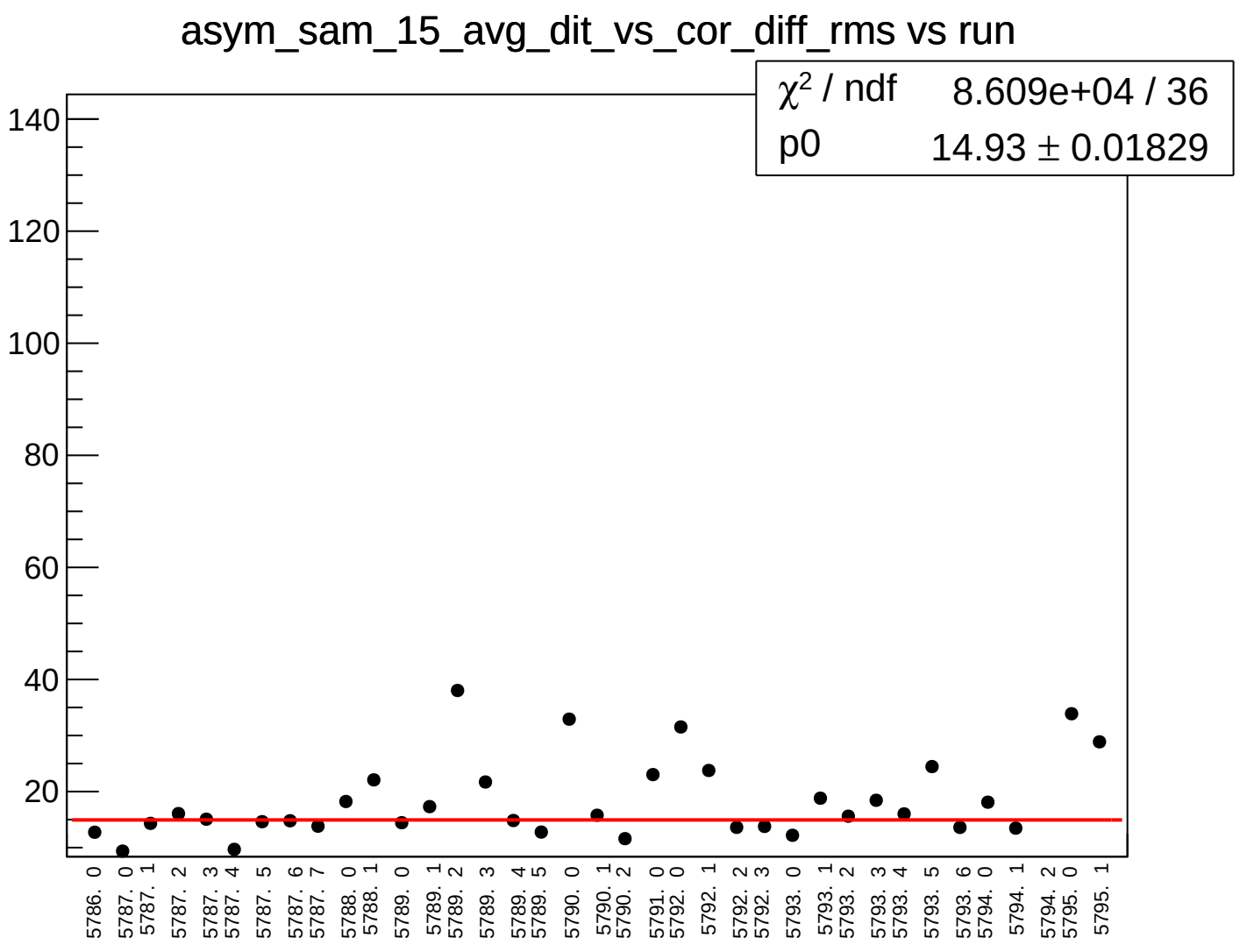

pull1D
Entries 37
Mean −0.02439
Std Dev 0.9659
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

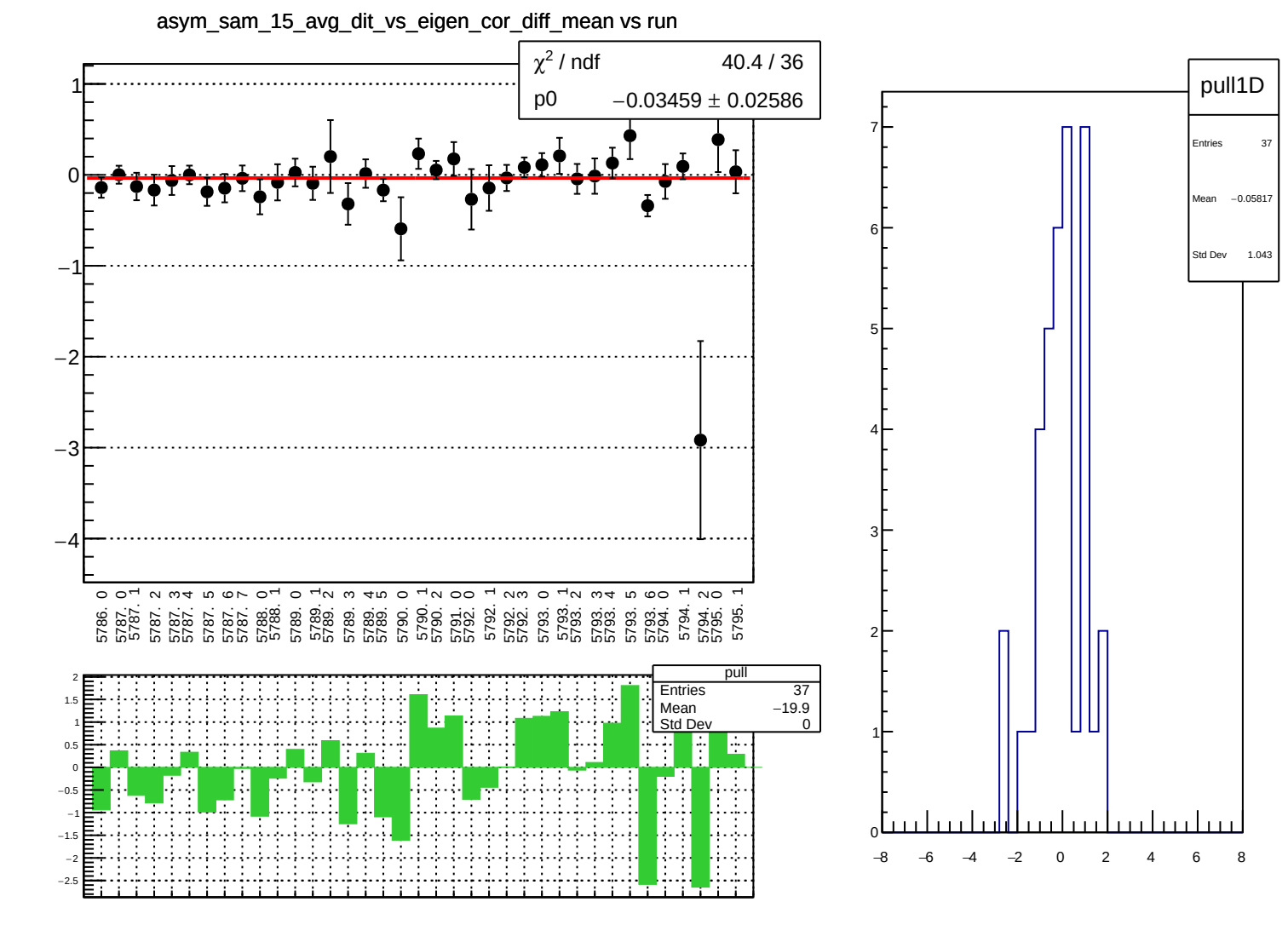

asym_sam_15_avg_rms vs run
χ² / ndf 5405 / 36
p0 157.2 ± 0.1818
200
190
180
170
160
150
140
130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

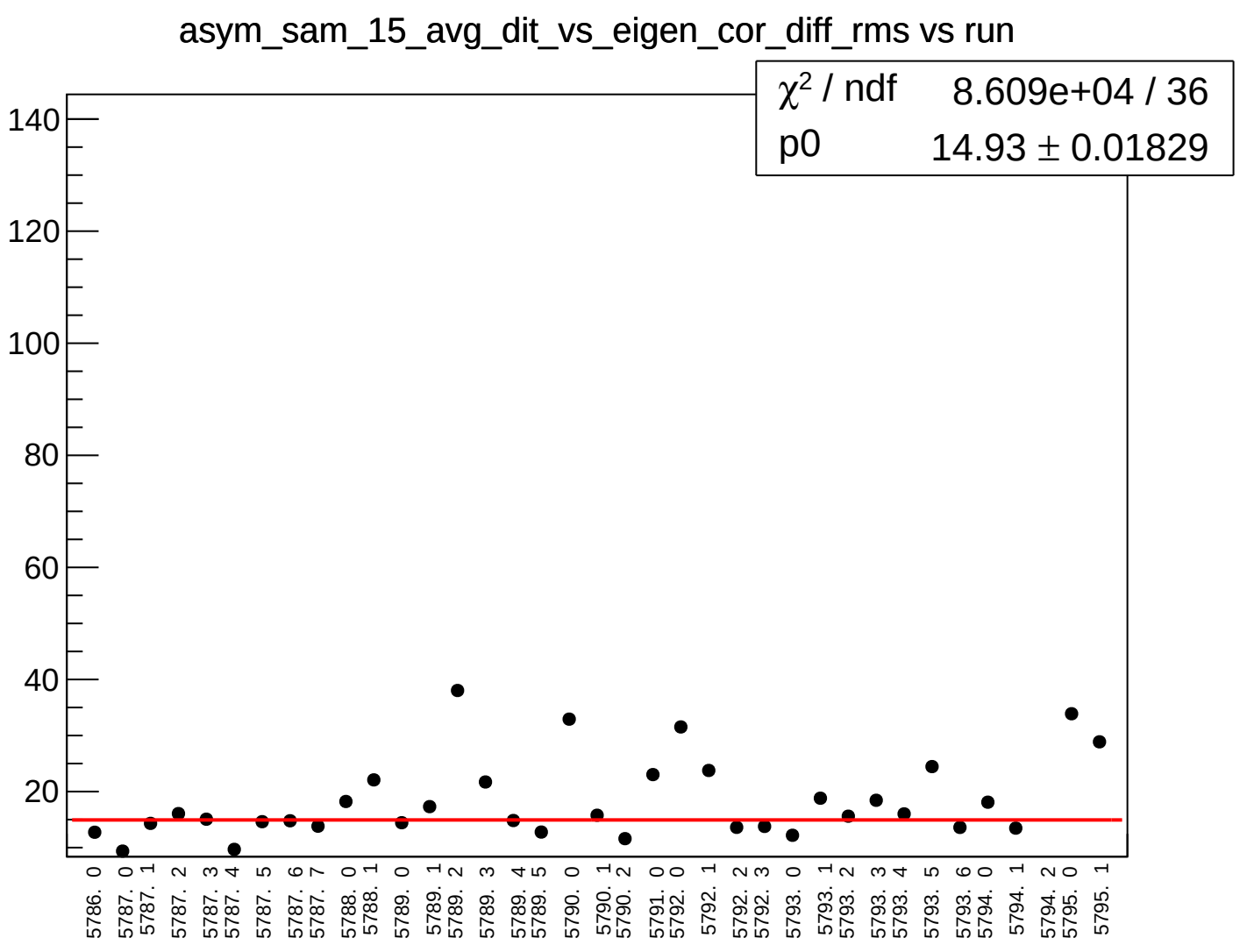

asym_sam_15_avg_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 37.69 / 36
p0 8.133e−15 ± 1.14e−14
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 89.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.05091
Std Dev 1.008
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

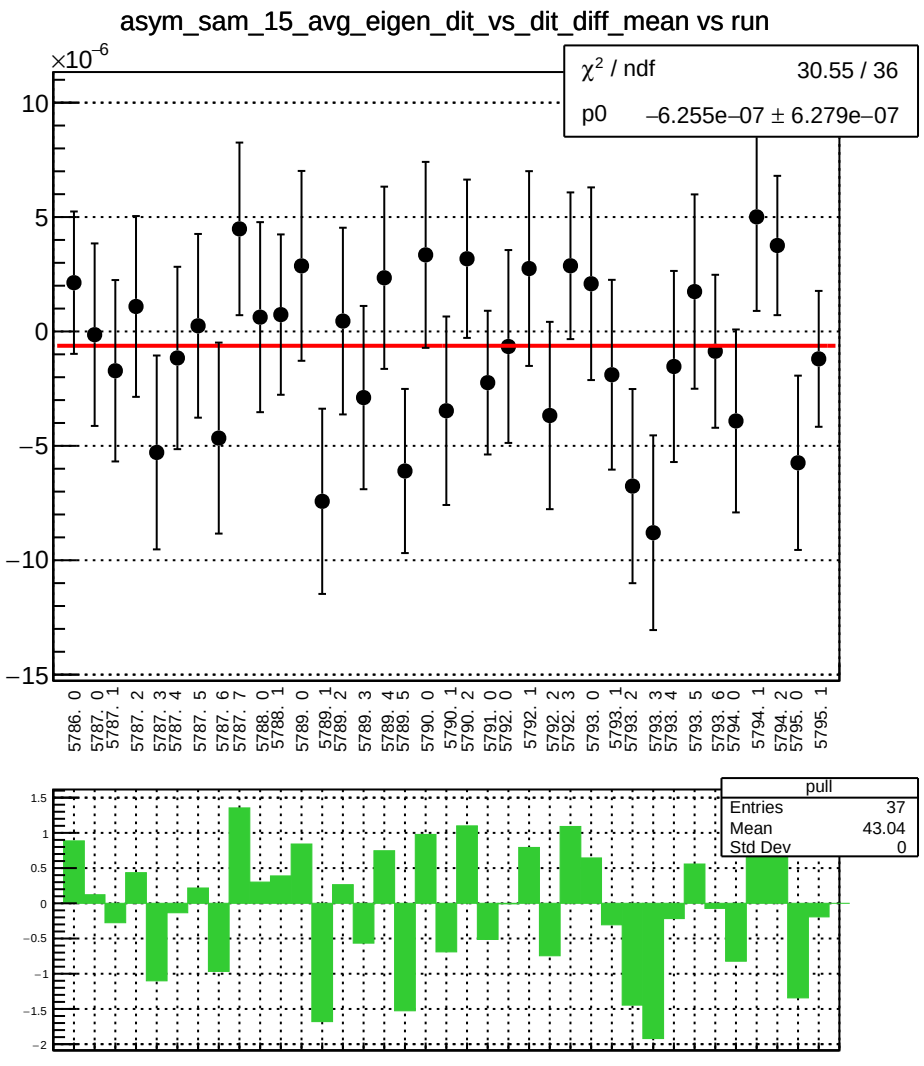

asym_sam_15_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.246e+05 / 36
p0 5.274e−12 ± 8.058e−15
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

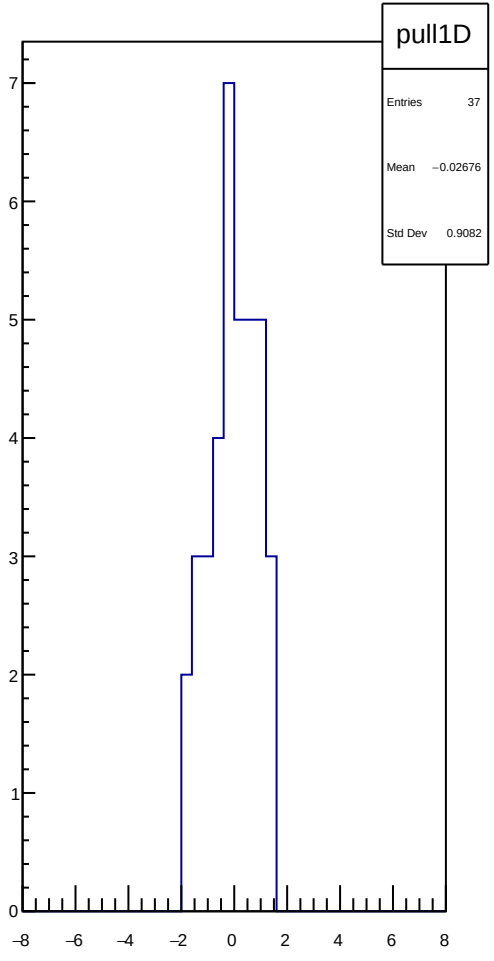

asym_sam_15_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 36
p0 −0.03459 ± 0.02586
pull
Entries 37
Mean −19.9
Std Dev 0
pull1D
Entries 37
Mean −0.05817
Std Dev 1.043

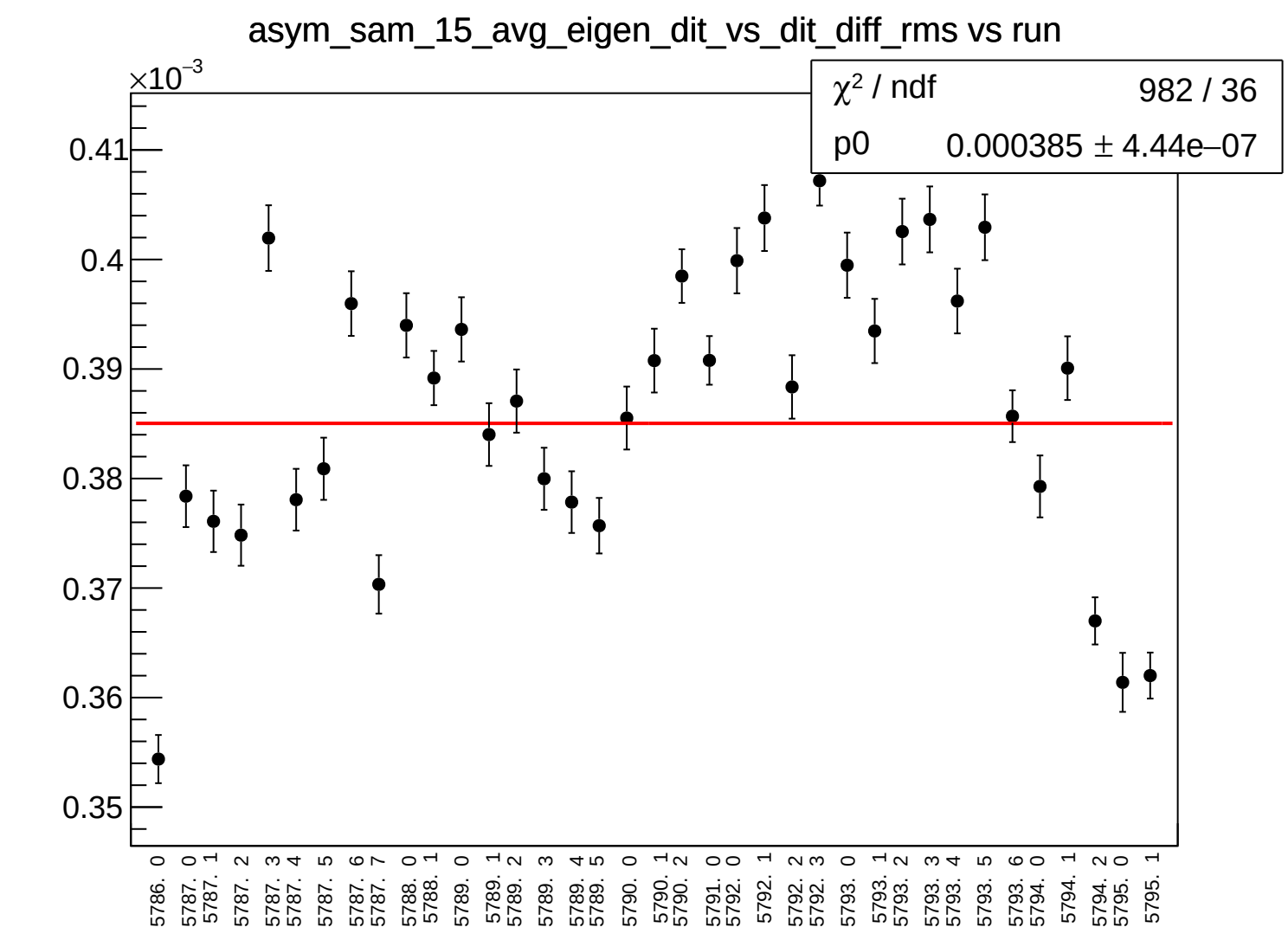

asym_sam_15_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 8.609e+04 / 36
p0 14.93 ± 0.01829
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

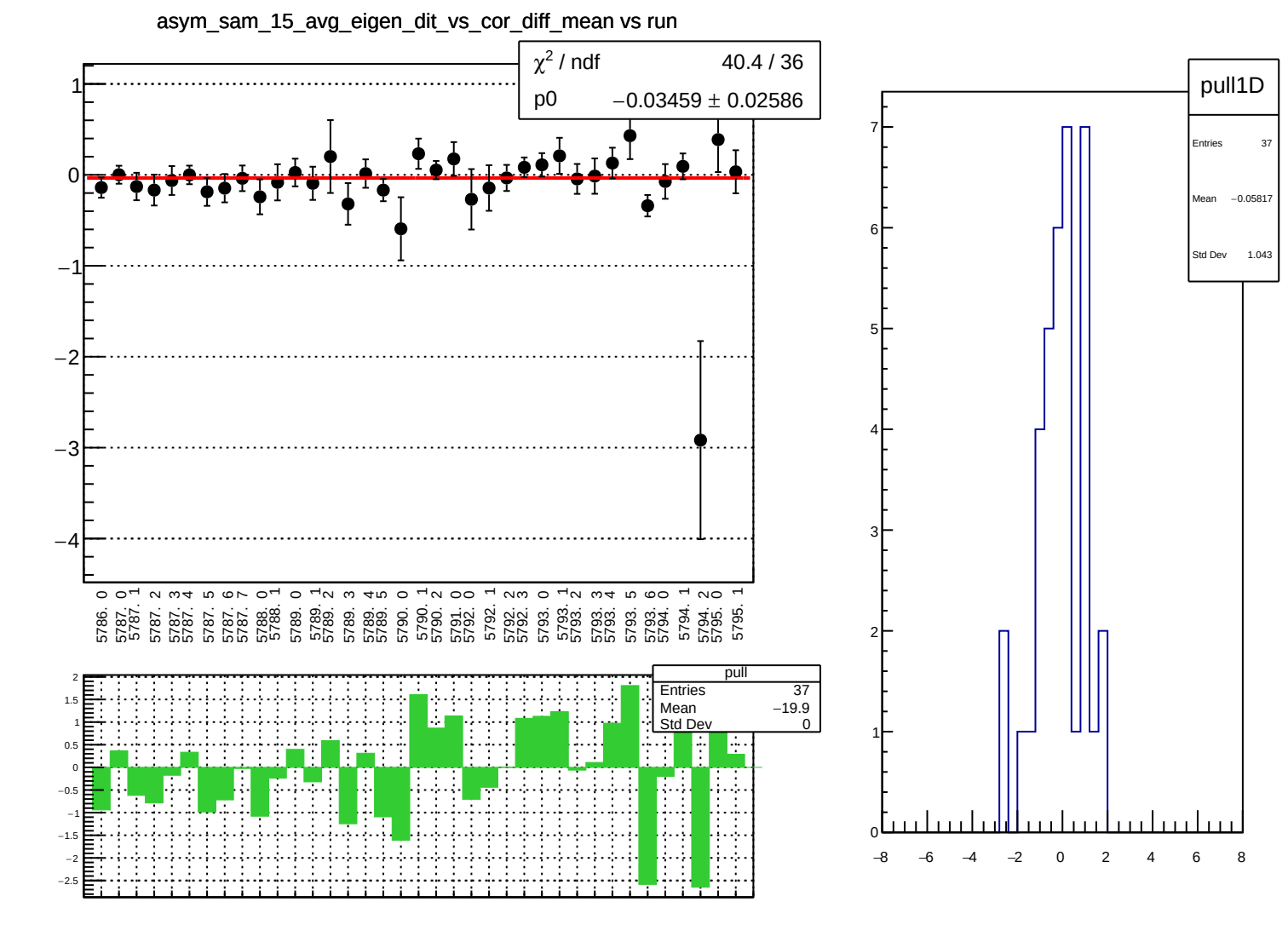

asym_sam_15_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.4 / 36
p0 −0.03459 ± 0.02586
pull
Entries 37
Mean −19.9
Std Dev 0
pull1D
Entries 37
Mean −0.05817
Std Dev 1.043

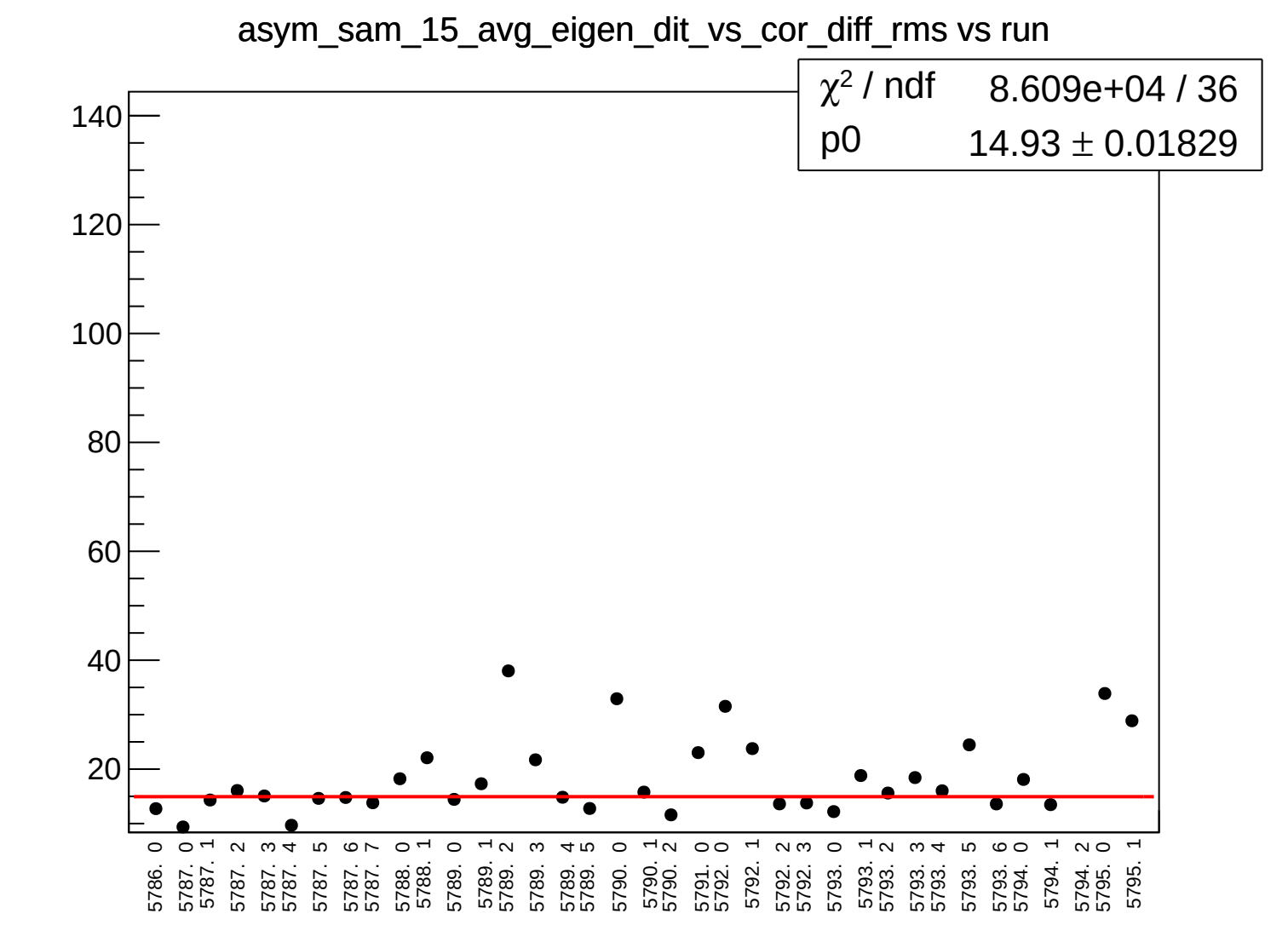

asym_sam_15_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.609e+04 / 36
p0 14.93 ± 0.01829
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

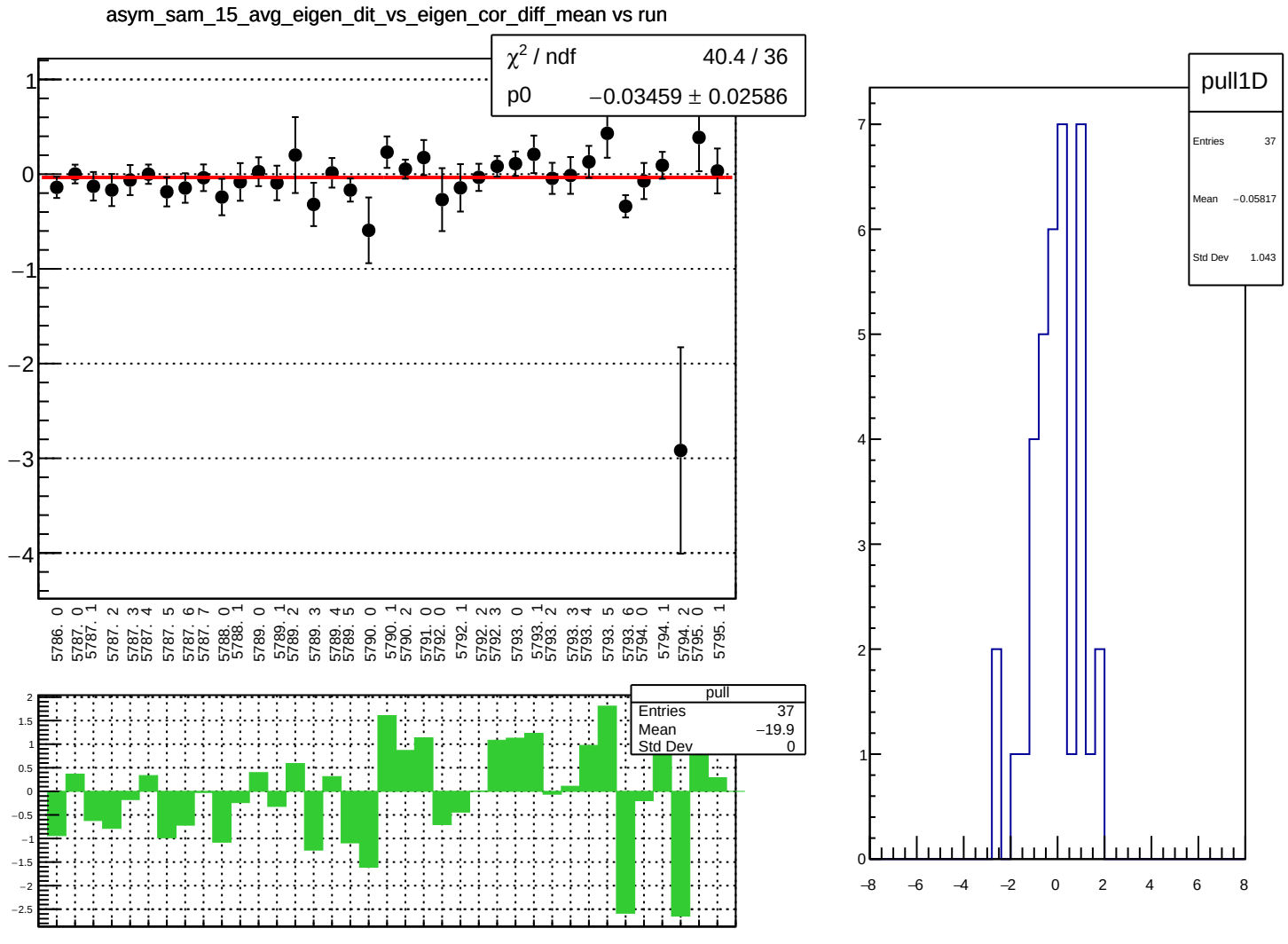

asym_sam_15_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 30.55 / 36
p0 −6.255e−07 ± 6.279e−07
pull
Entries 37
Mean 43.04
Std Dev 0

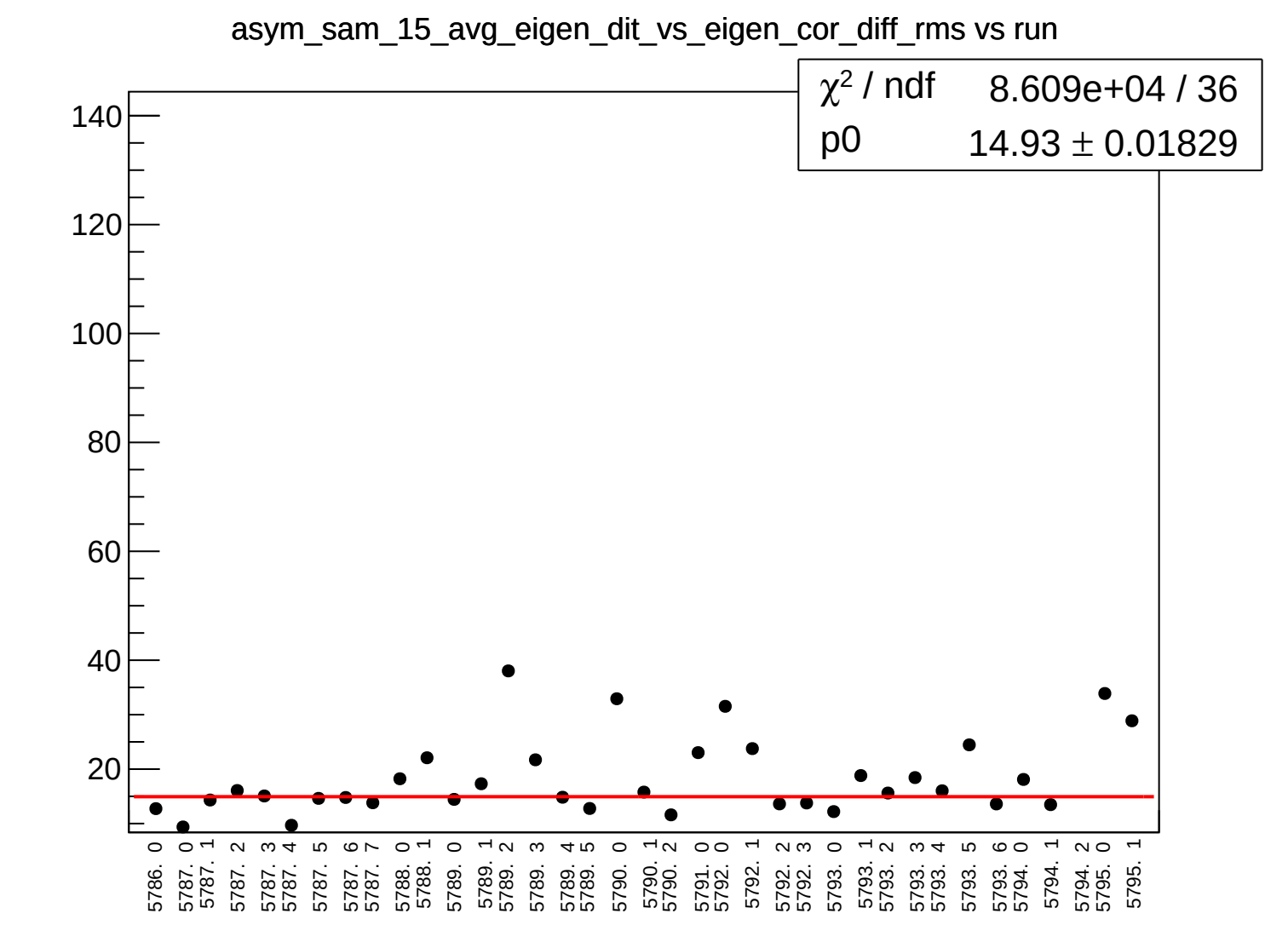

pull1D
Entries 37
Mean −0.02676
Std Dev 0.9082

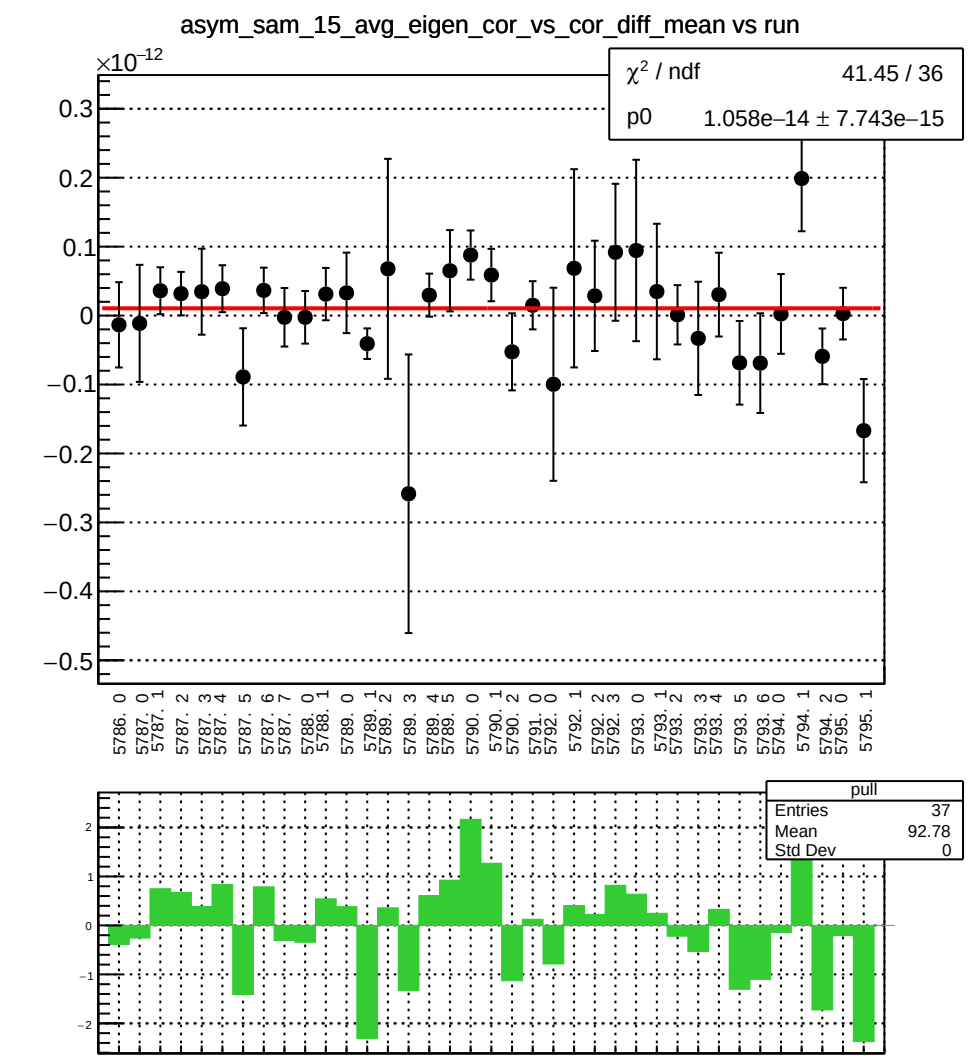

asym_sam_15_avg_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 982 / 36
p0 0.000385 ± 4.44e–07
0.41
0.4
0.39
0.38
0.37
0.36
0.35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

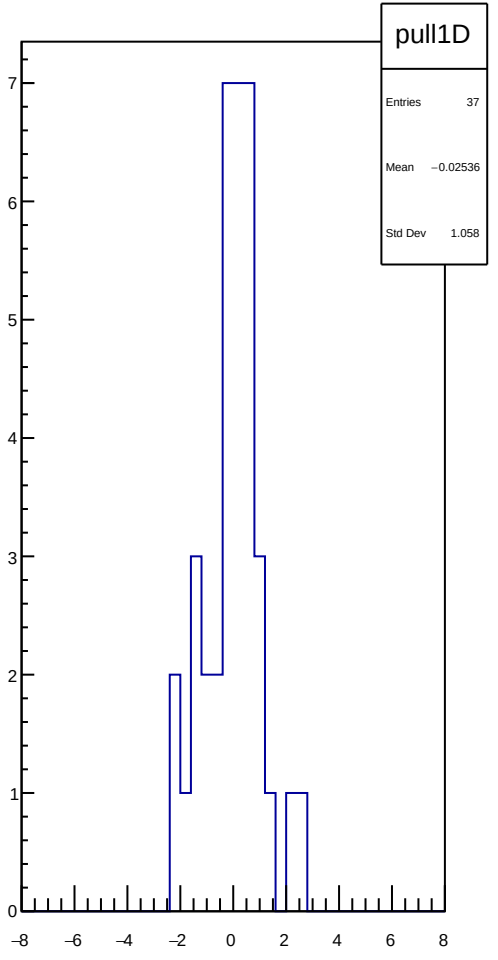

asym_sam_15_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 40.4 / 36
p0 −0.03459 ± 0.02586
pull
Entries 37
Mean −19.9
Std Dev 0
pull1D
Entries 37
Mean −0.05817
Std Dev 1.043

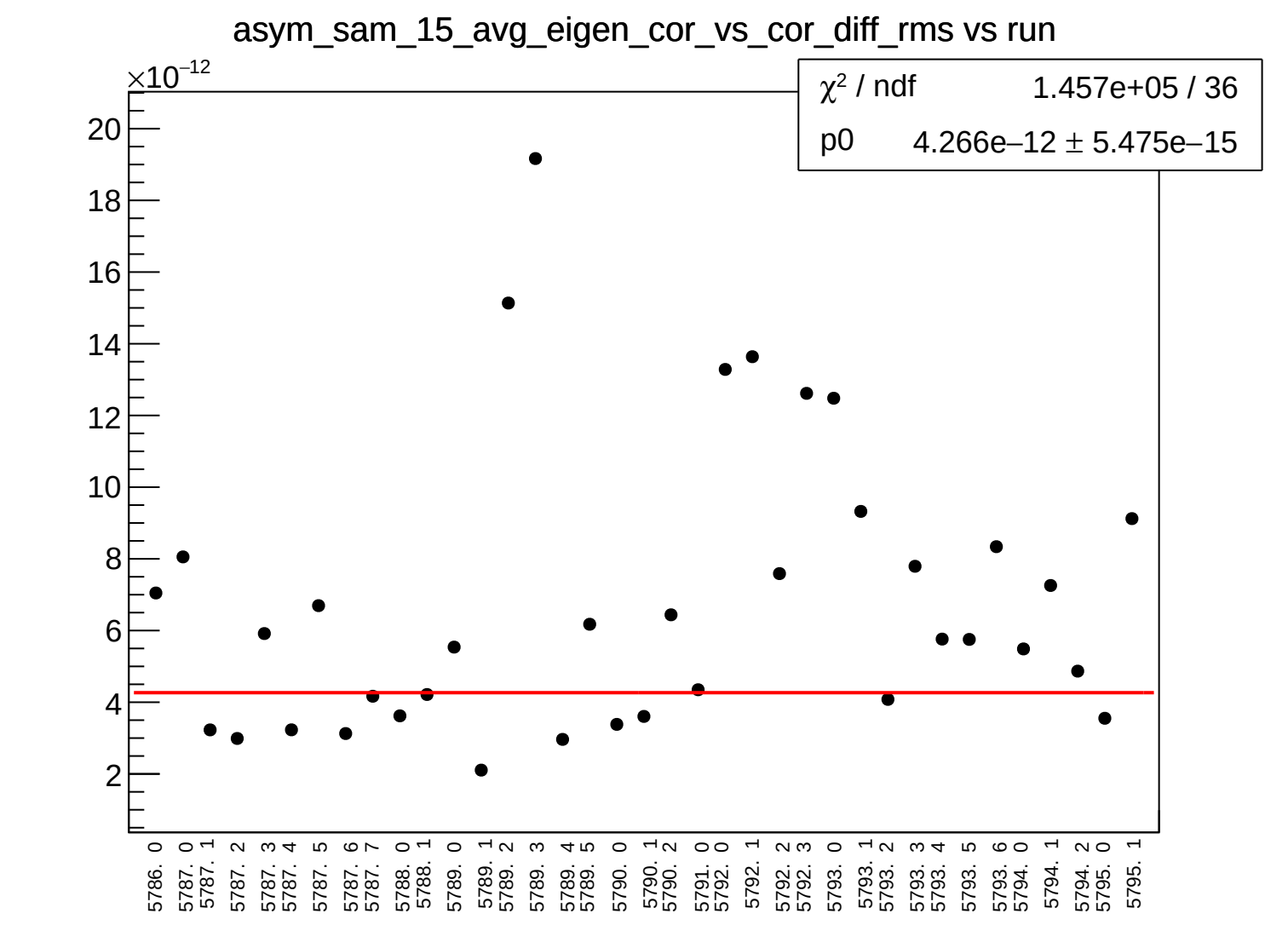

asym_sam_15_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 8.609e+04 / 36
p0 14.93 ± 0.01829
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

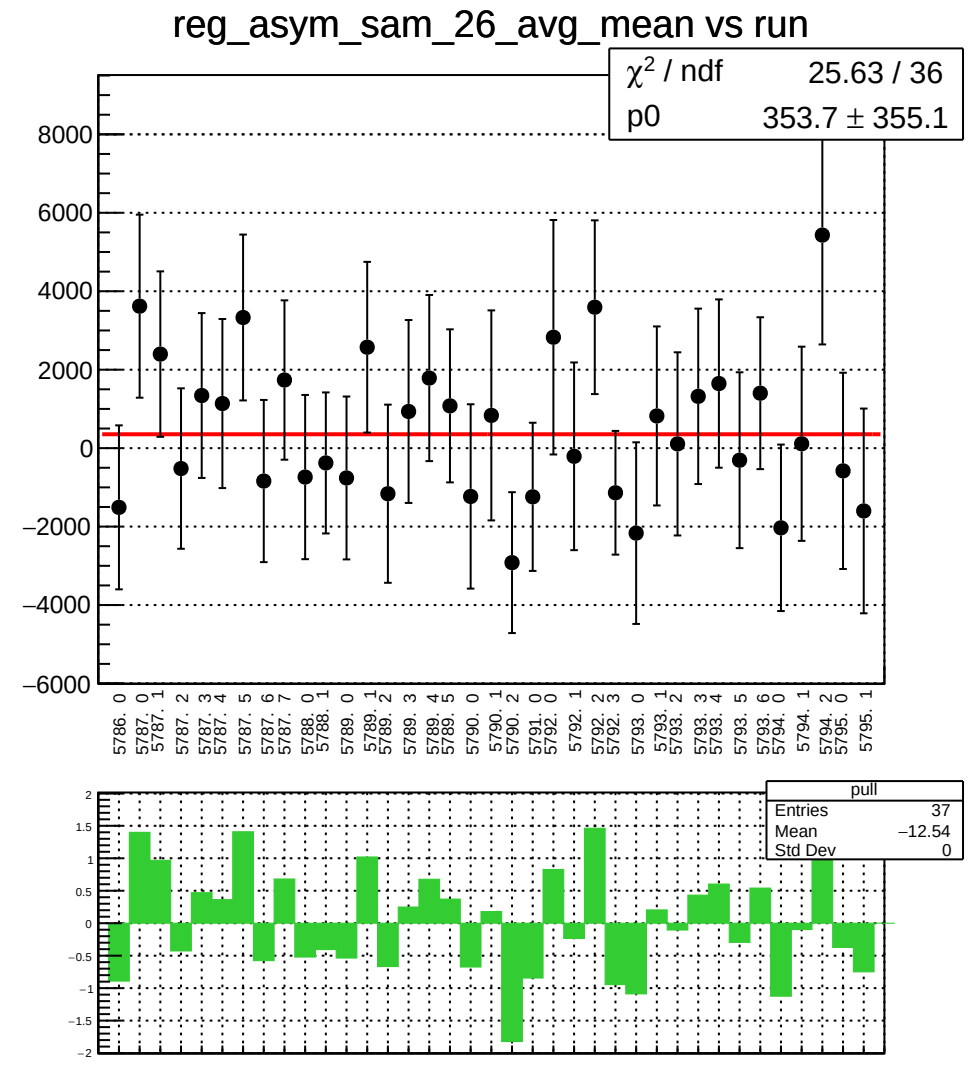

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 40.4 / 36
p0 −0.03459 ± 0.02586
pull
Entries 37
Mean −19.9
Std Dev 0
pull1D
Entries 37
Mean −0.05817
Std Dev 1.043

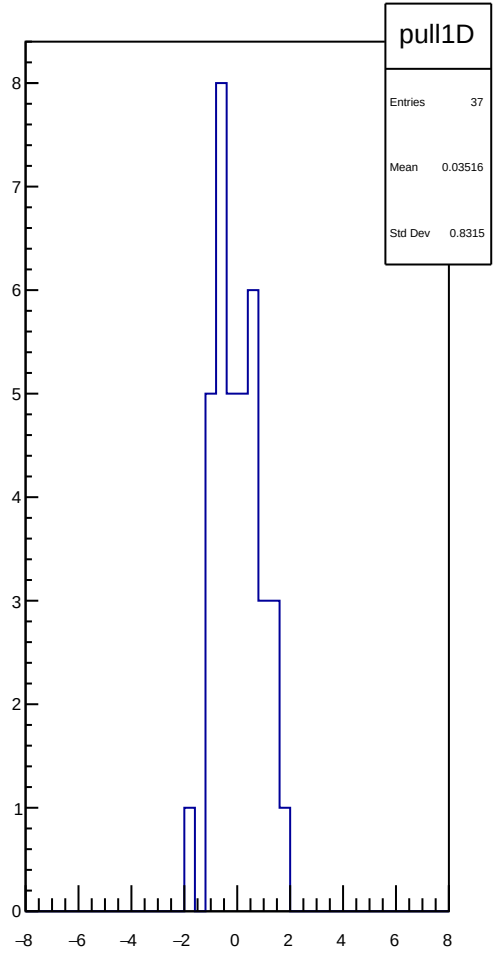

asym_sam_15_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 8.609e+04 / 36
p0 14.93 ± 0.01829
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

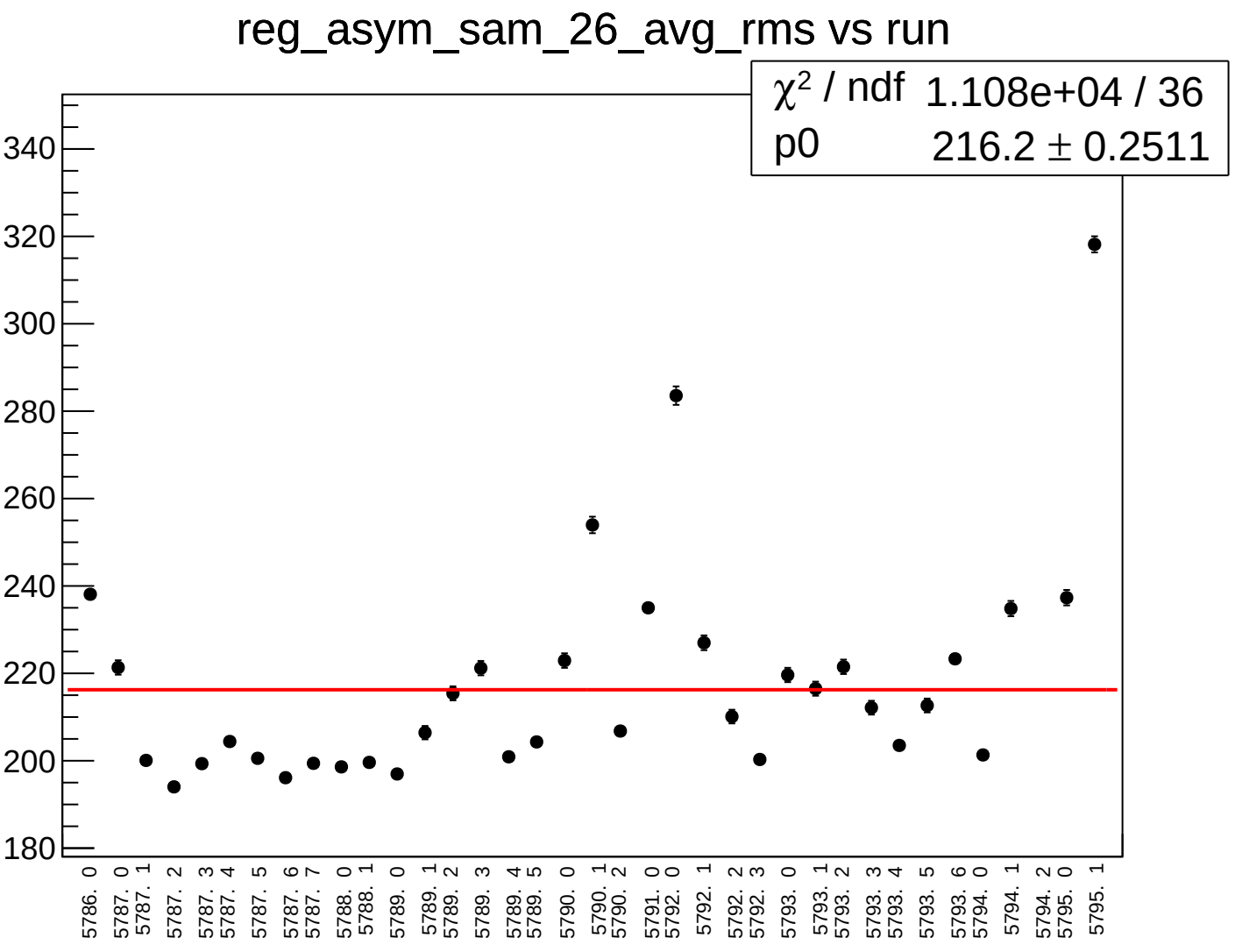

asym_sam_15_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.45 / 36
p0 1.058e−14 ± 7.743e−15
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
−0.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 92.78
Std Dev 0
2
1
0
−1
−2

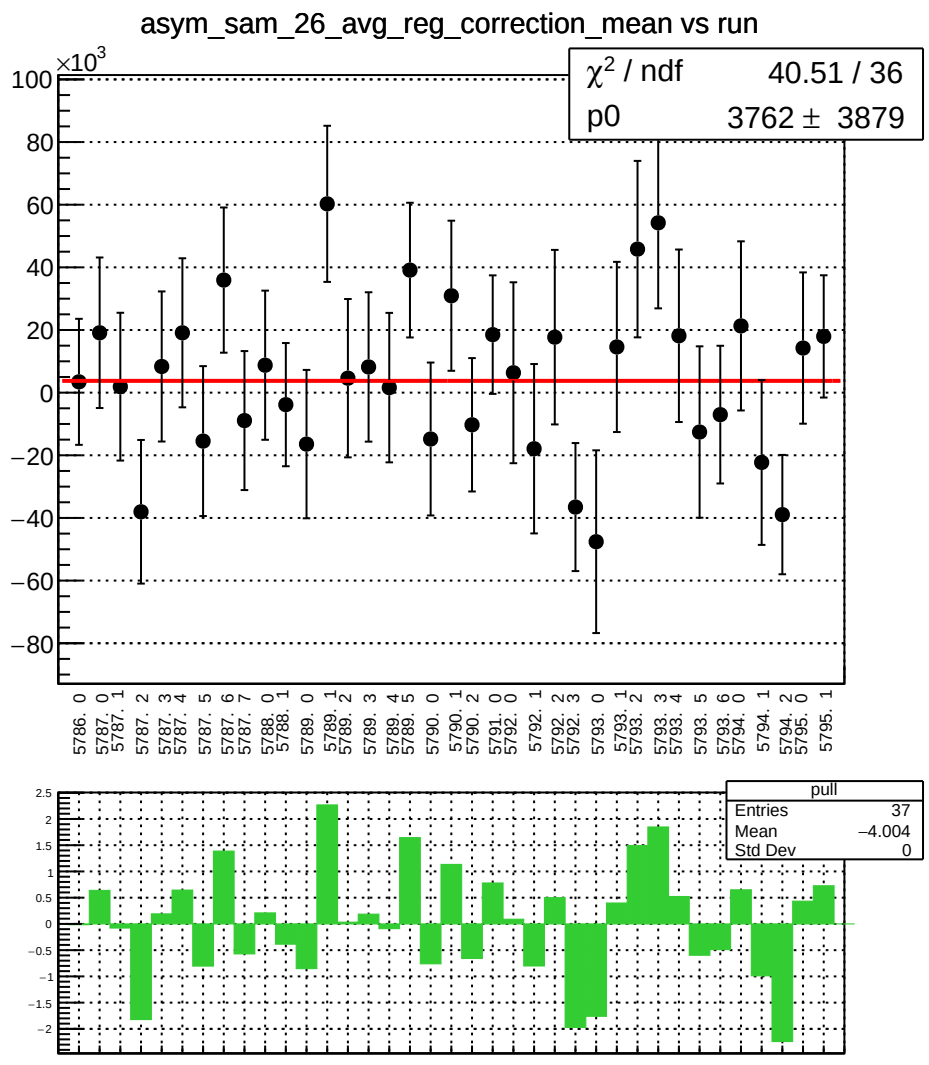

pull1D
Entries 37
Mean −0.02536
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

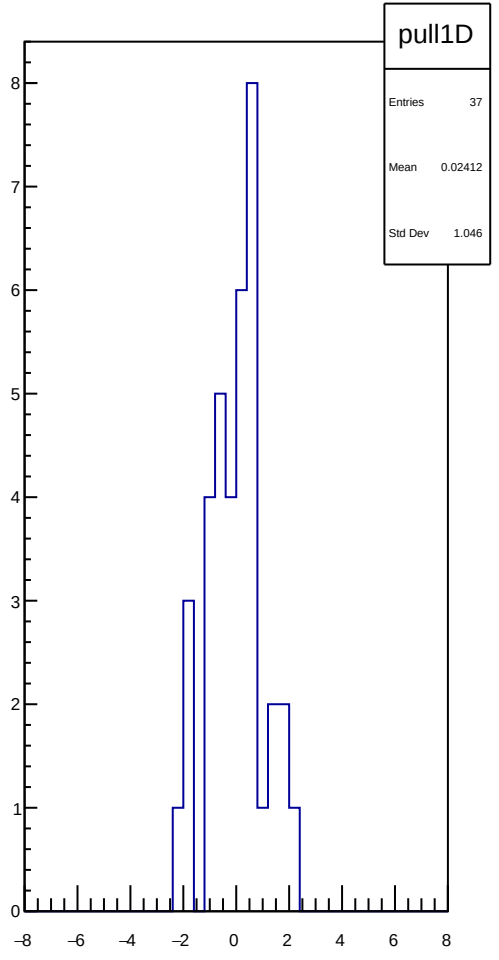

asym_sam_15_avg_eigen_cor_vs_cor_diff_rms vs run
×10^−12
χ² / ndf 1.457e+05 / 36
p0 4.266e−12 ± 5.475e−15
20
18
16
14
12
10
8
6
4
2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

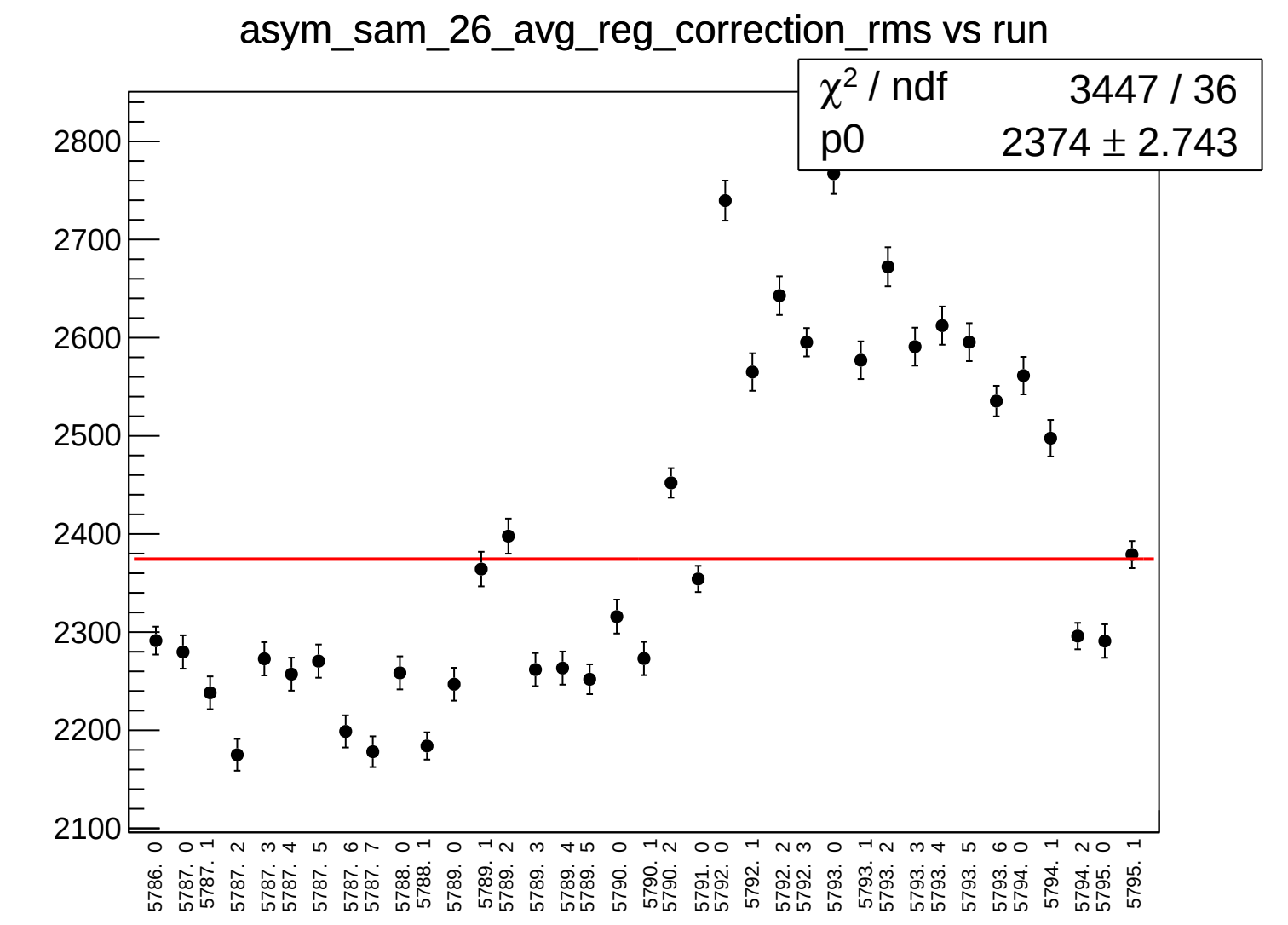

reg_asym_sam_26_avg_mean vs run
χ² / ndf 25.63 / 36
p0 353.7 ± 355.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.54
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

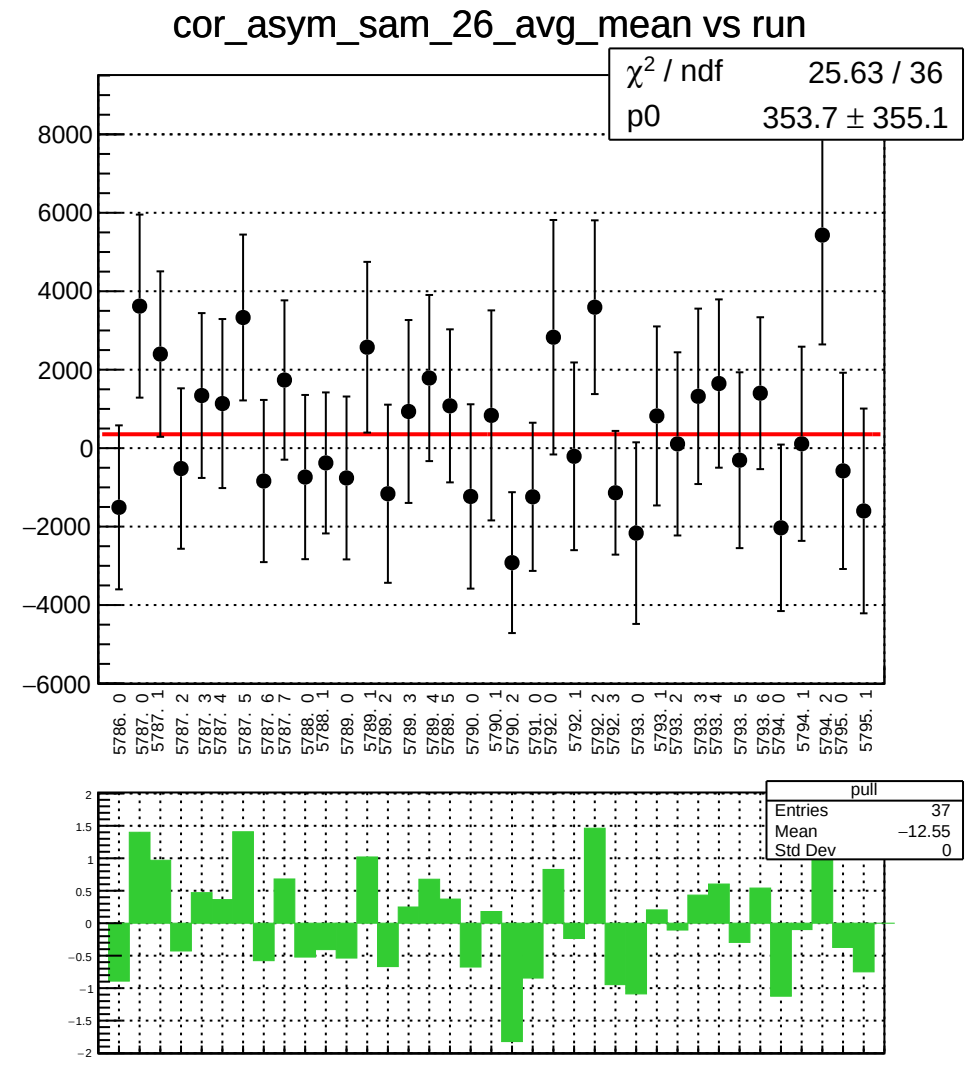

pull1D
Entries 37
Mean 0.03516
Std Dev 0.8315
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

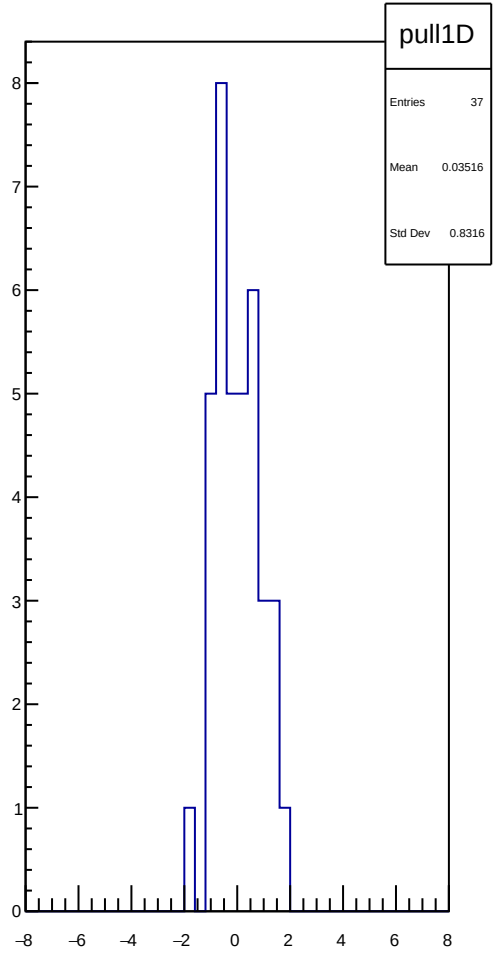

reg_asym_sam_26_avg_rms vs run
χ² / ndf 1.108e+04 / 36
p0 216.2 ± 0.2511
340
320
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

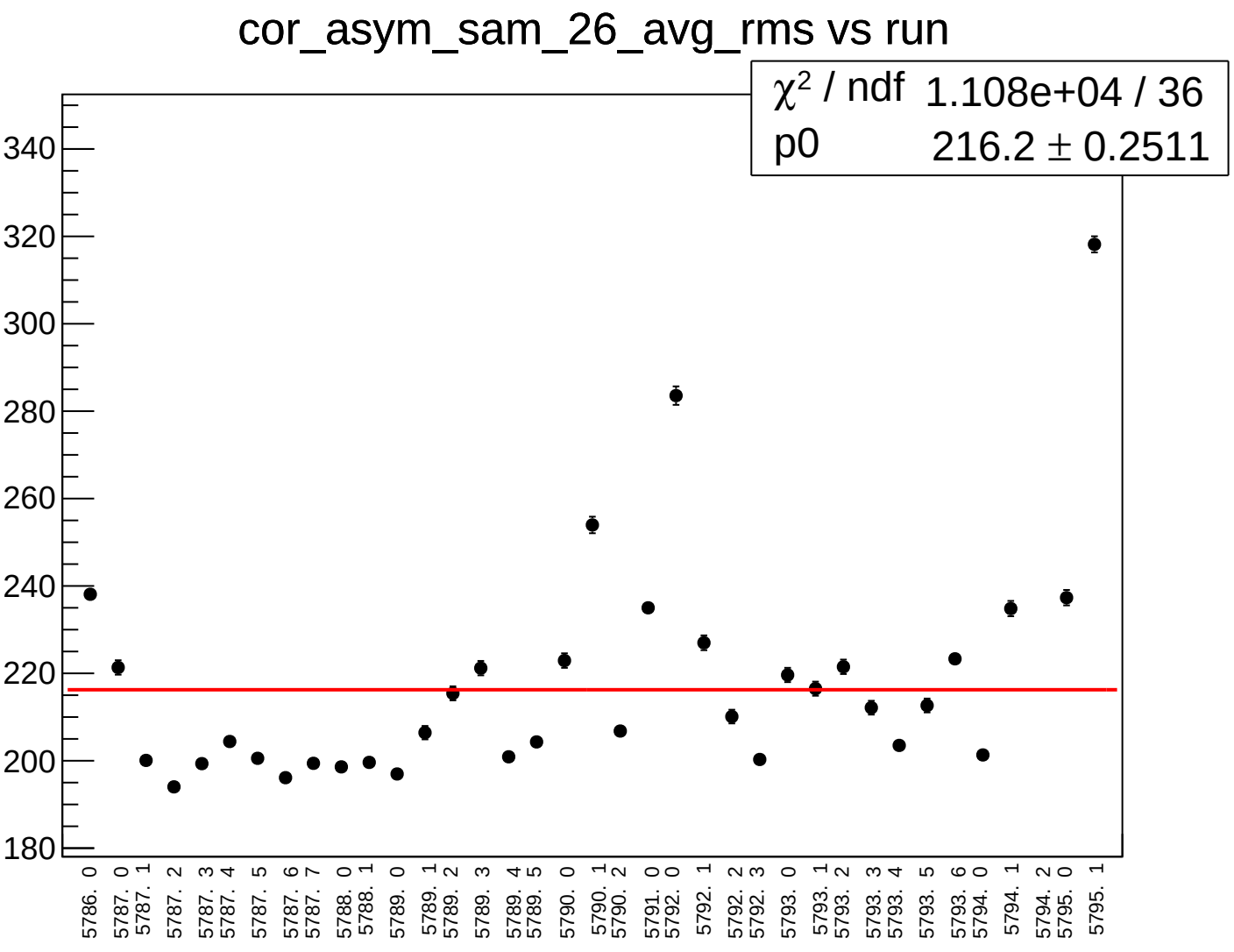

asym_sam_26_avg_reg_correction_mean vs run
×10^3
χ^2 / ndf 40.51 / 36
p0 3762 ± 3879
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.004
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

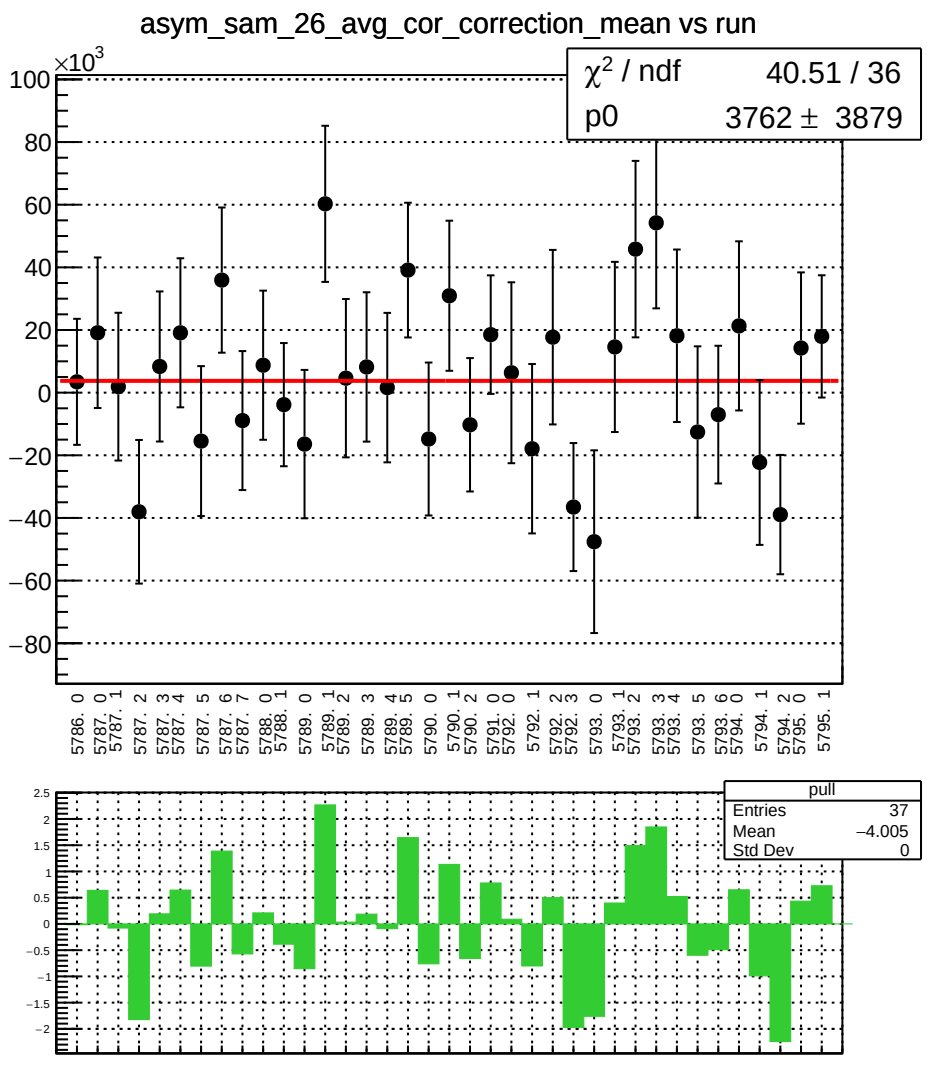

pull1D
Entries 37
Mean 0.02412
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

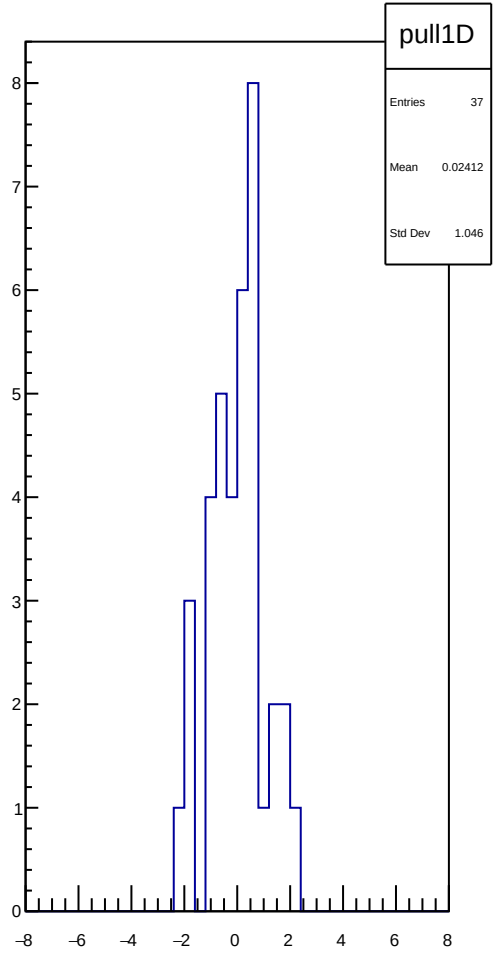

asym_sam_26_avg_reg_correction_rms vs run
χ² / ndf 3447 / 36
p0 2374 ± 2.743
2800
2700
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

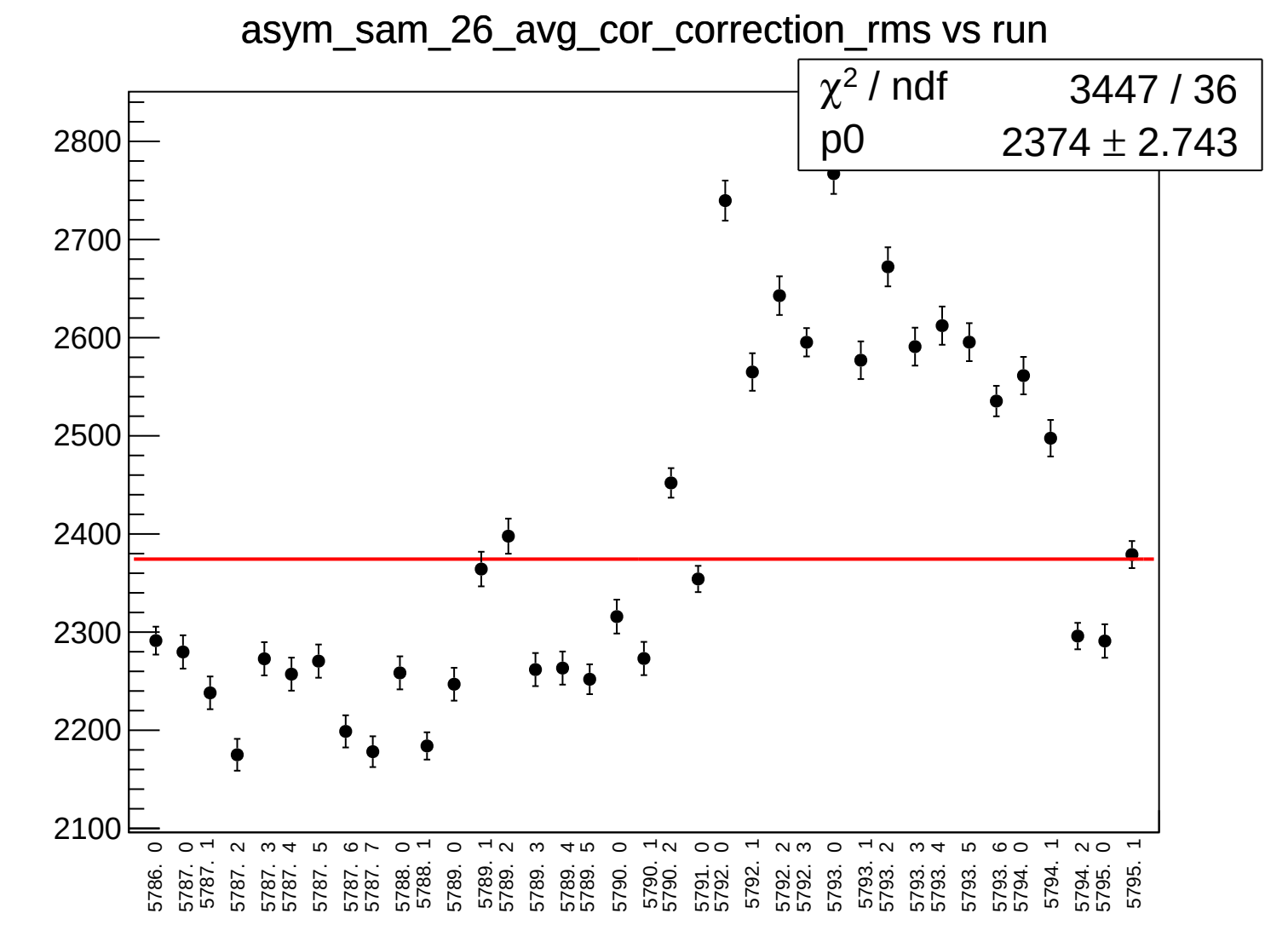

cor_asym_sam_26_avg_mean vs run
χ² / ndf 25.63 / 36
p0 353.7 ± 355.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

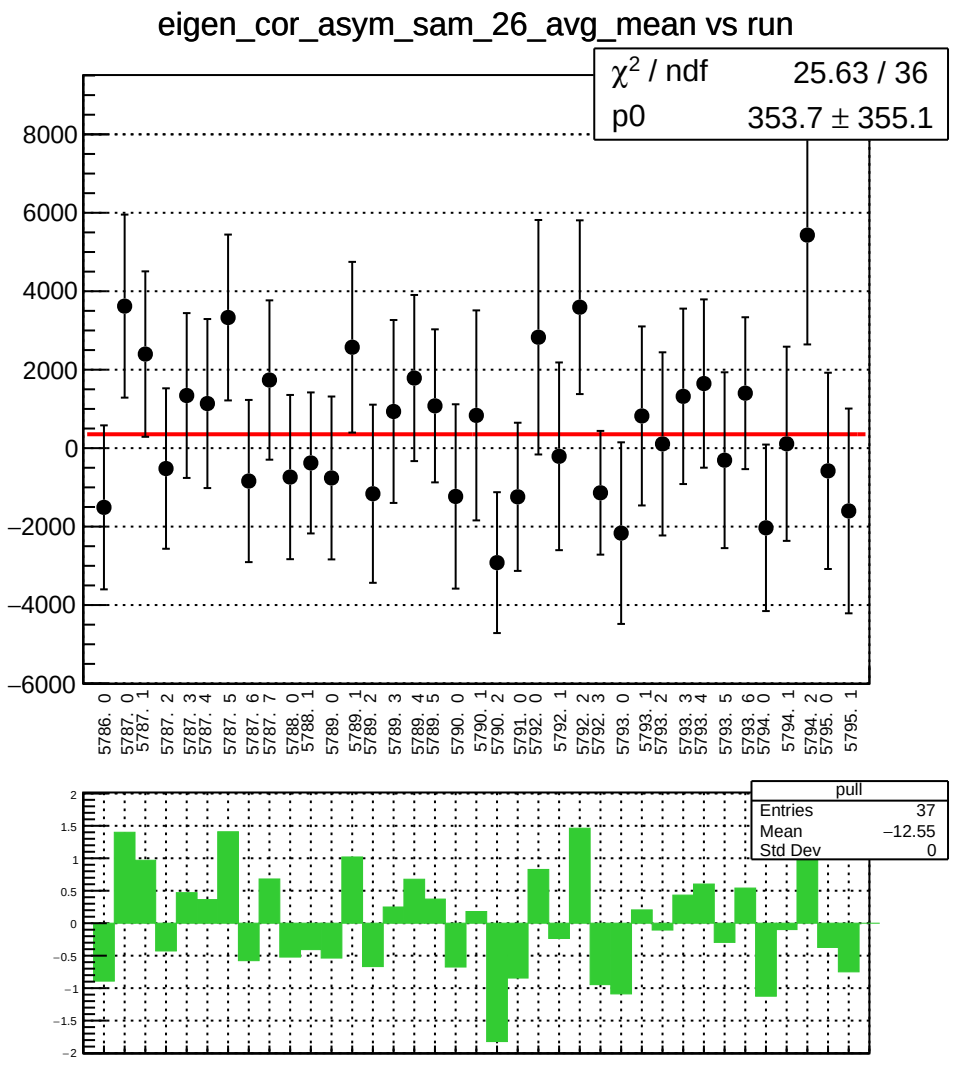

pull1D
Entries 37
Mean 0.03516
Std Dev 0.8316
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

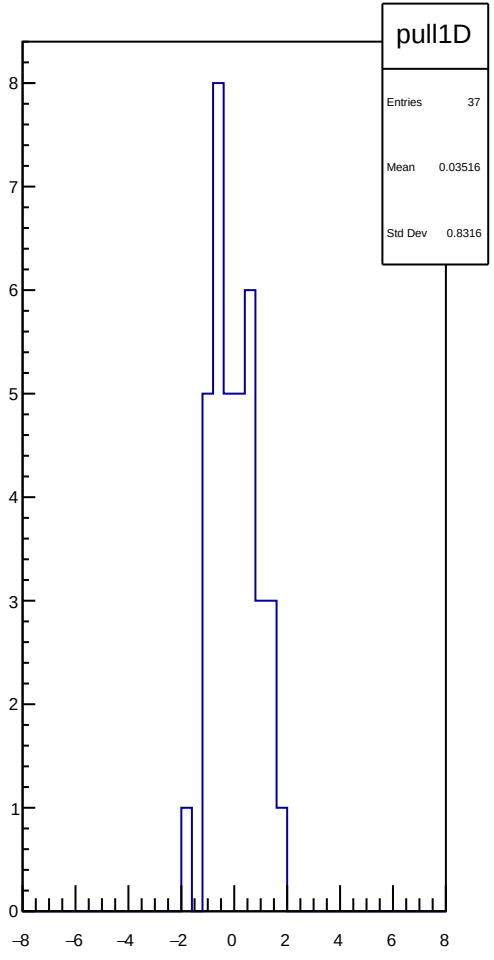

cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.108e+04 / 36
p0 216.2 ± 0.2511
340
320
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

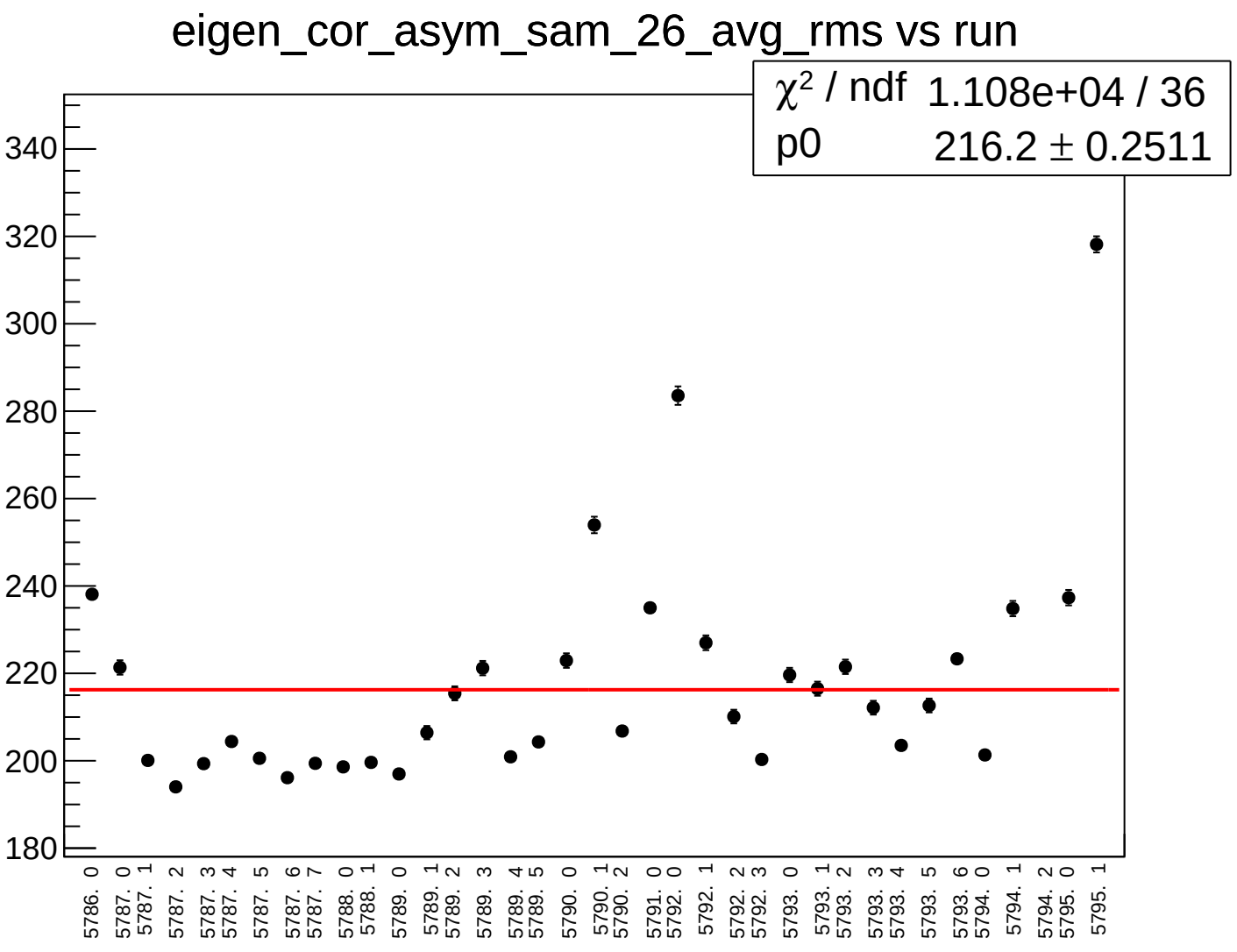

asym_sam_26_avg_cor_correction_mean vs run
×10^3
χ^2 / ndf 40.51 / 36
p0 3762 ± 3879
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.005
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

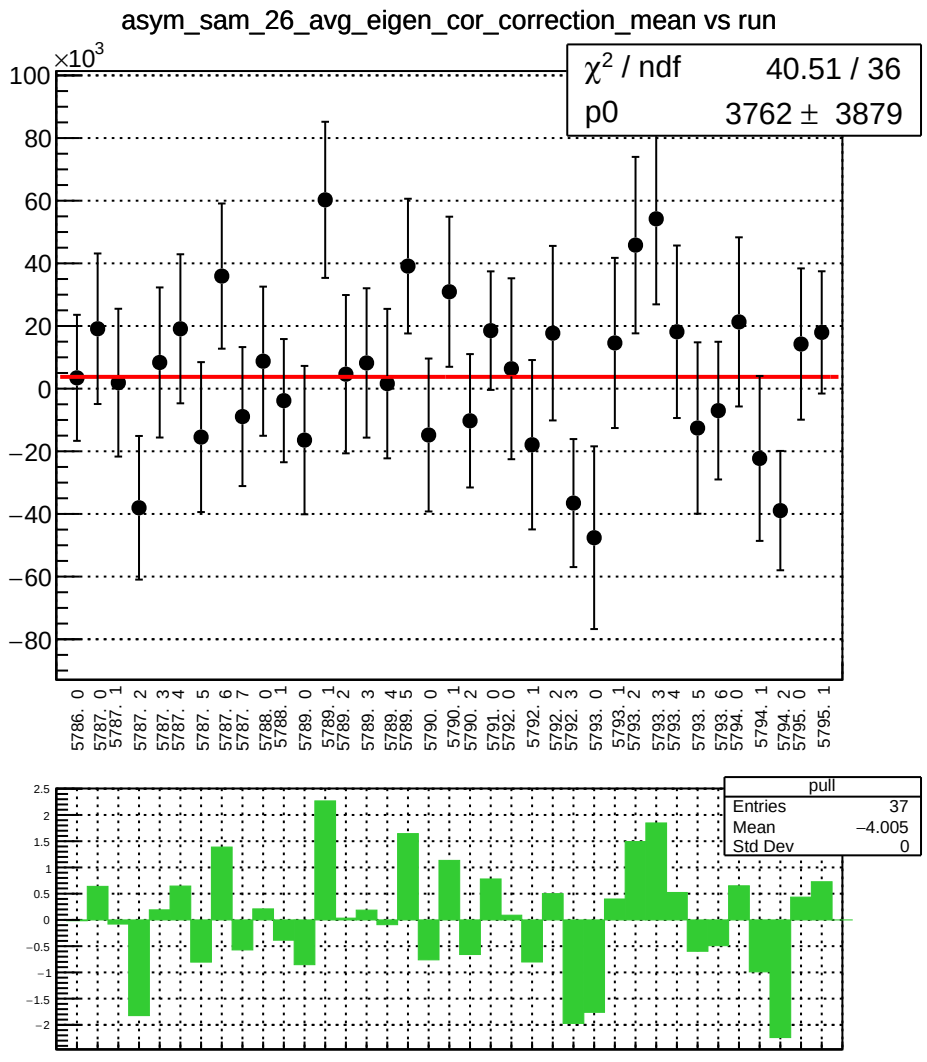

pull1D
Entries 37
Mean 0.02412
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

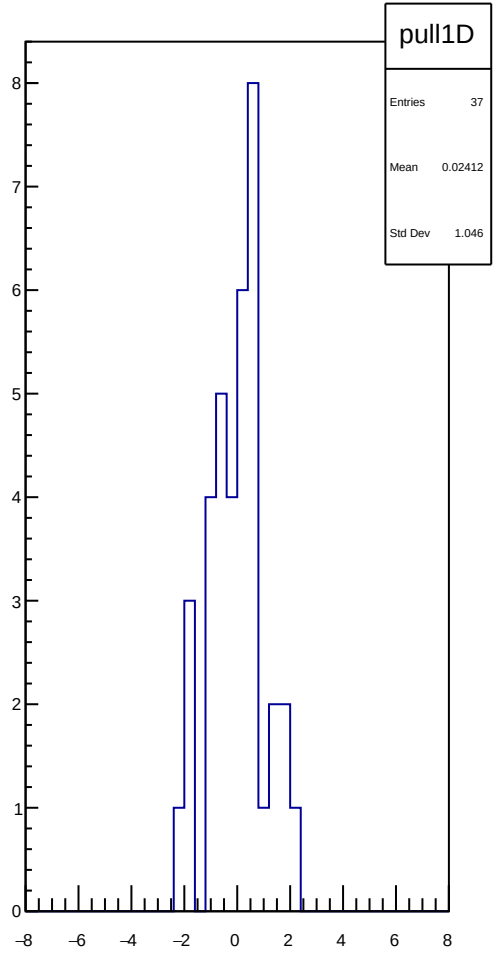

asym_sam_26_avg_cor_correction_rms vs run
χ² / ndf 3447 / 36
p0 2374 ± 2.743
2800
2700
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

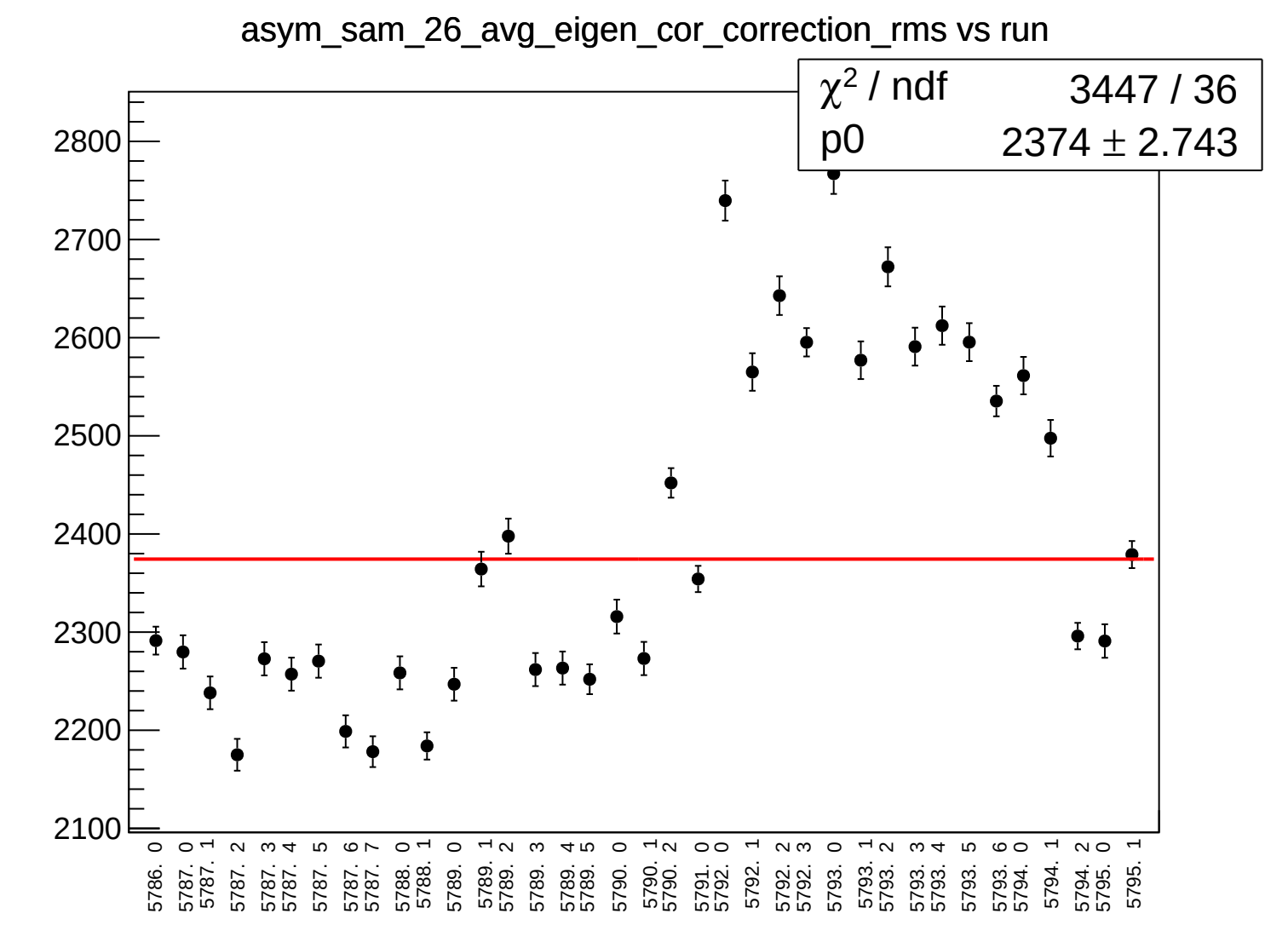

eigen_cor_asym_sam_26_avg_mean vs run
χ² / ndf 25.63 / 36
p0 353.7 ± 355.1
8000
6000
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −12.55
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

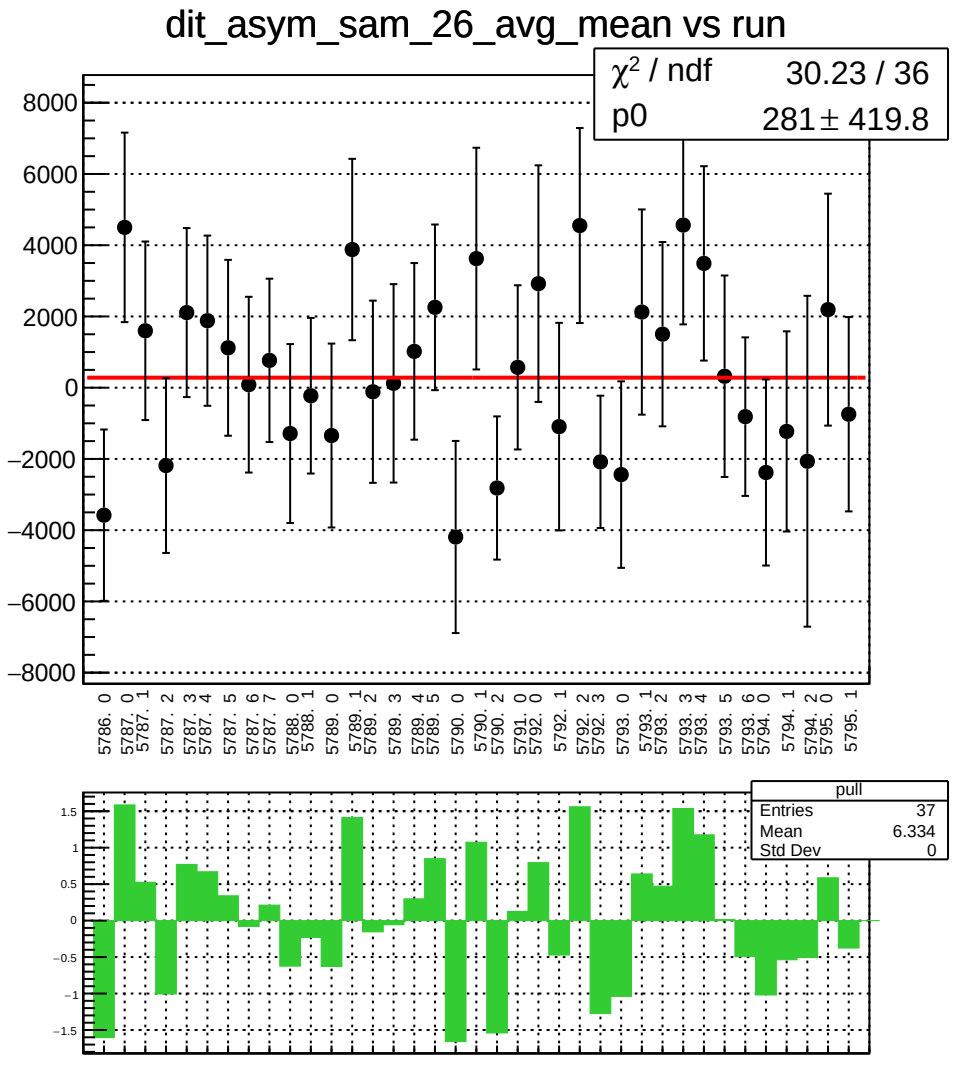

pull1D
Entries 37
Mean 0.03516
Std Dev 0.8316
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

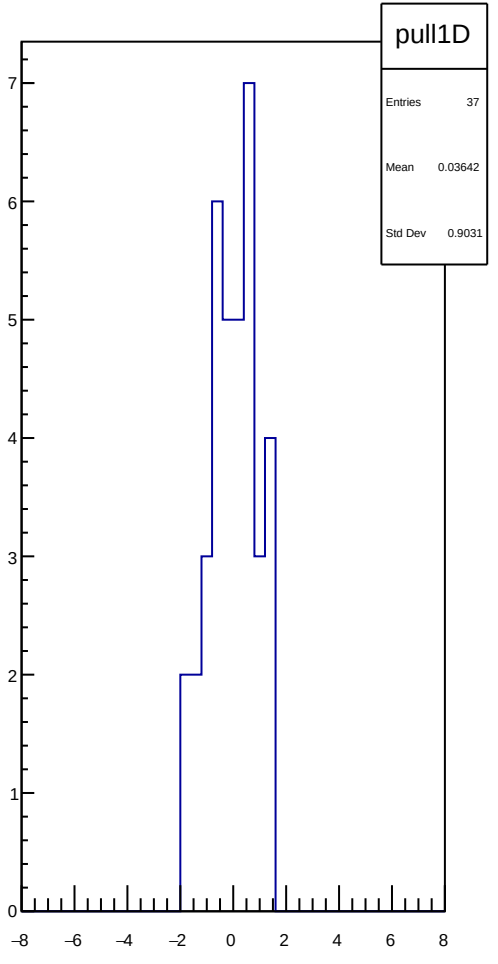

eigen_cor_asym_sam_26_avg_rms vs run
χ² / ndf 1.108e+04 / 36
p0 216.2 ± 0.2511
340
320
300
280
260
240
220
200
180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

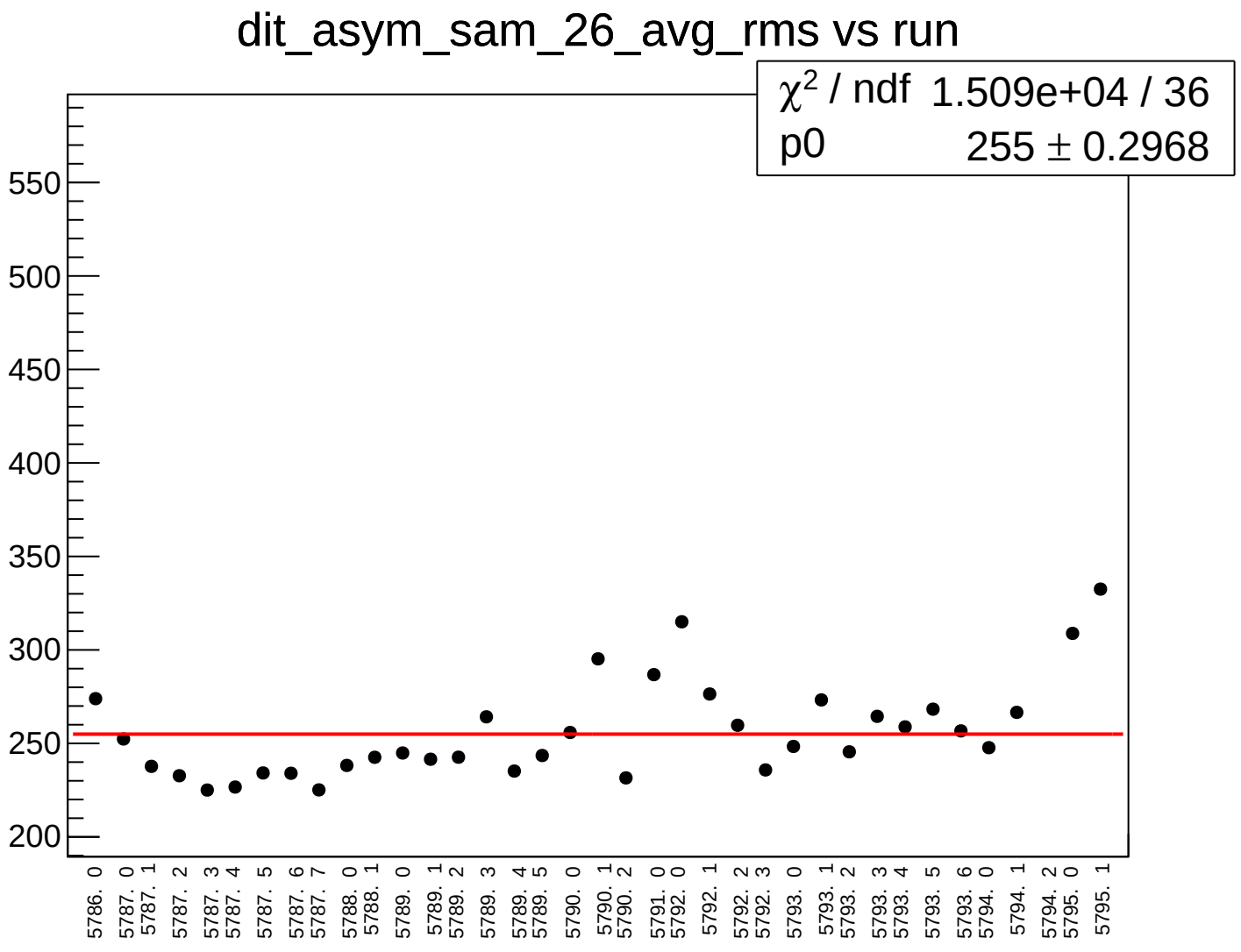

asym_sam_26_avg_eigen_cor_correction_mean vs run
×10^3
χ^2 / ndf 40.51 / 36
p0 3762 ± 3879
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.005
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.02412
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_avg_eigen_cor_correction_rms vs run
χ² / ndf 3447 / 36
p0 2374 ± 2.743
2800
2700
2600
2500
2400
2300
2200
2100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_26_avg_mean vs run
χ² / ndf 30.23 / 36
p0 281 ± 419.8
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.334
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.03642
Std Dev 0.9031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.509e+04 / 36
p0 255 ± 0.2968
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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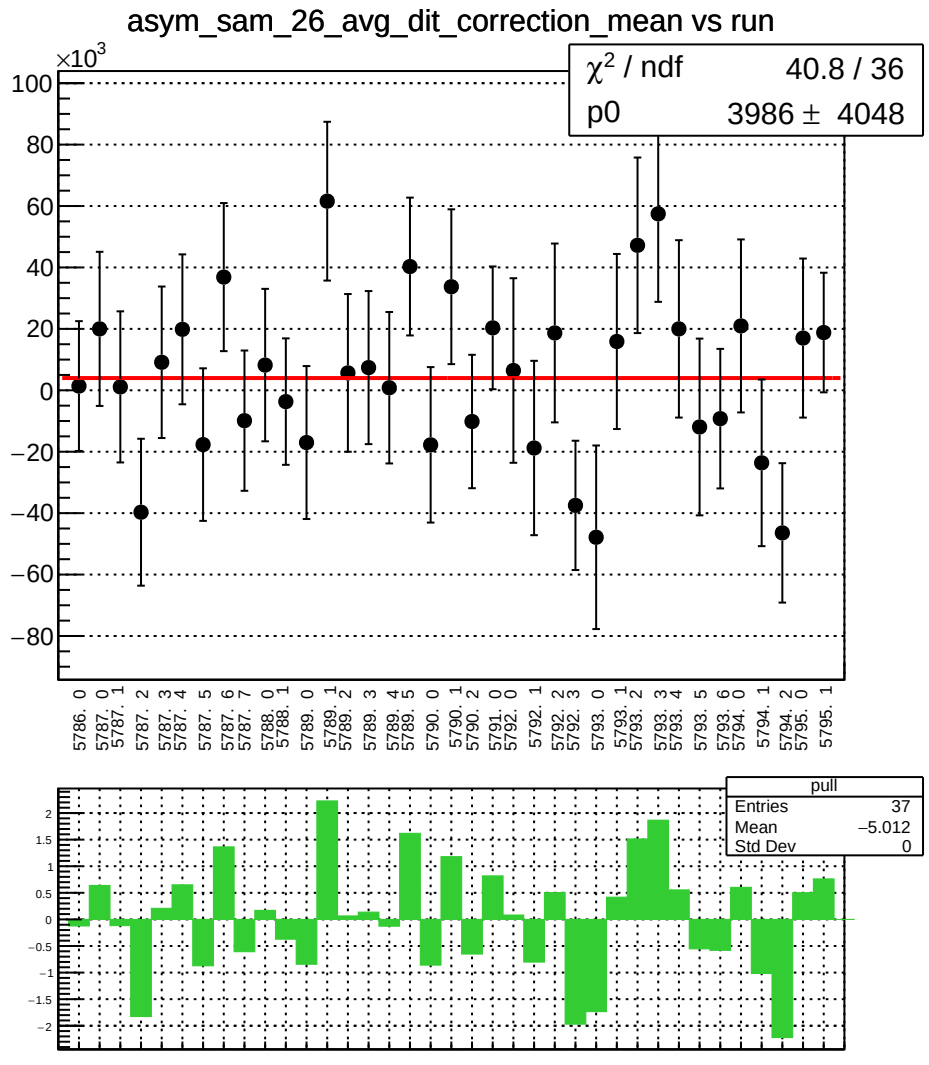
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_26_avg_dit_correction_mean vs run
×10^3
χ² / ndf 40.8 / 36
p0 3986 ± 4048
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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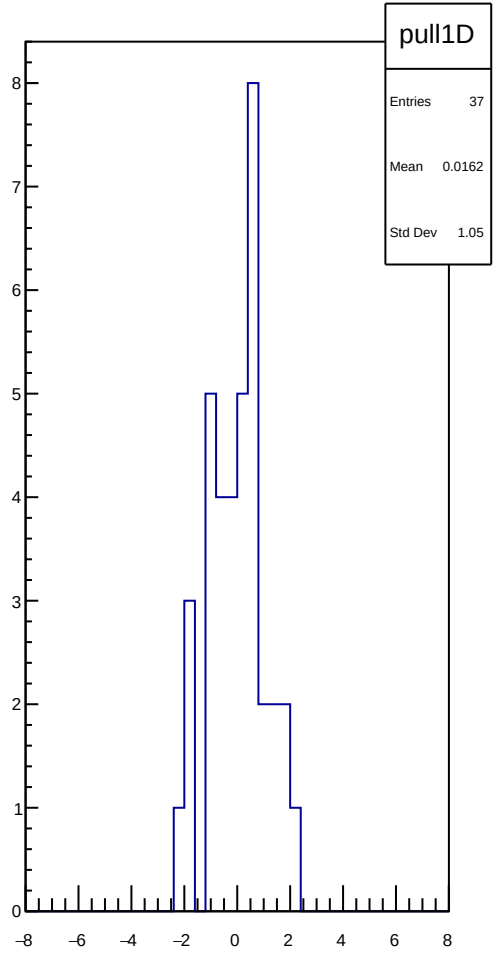
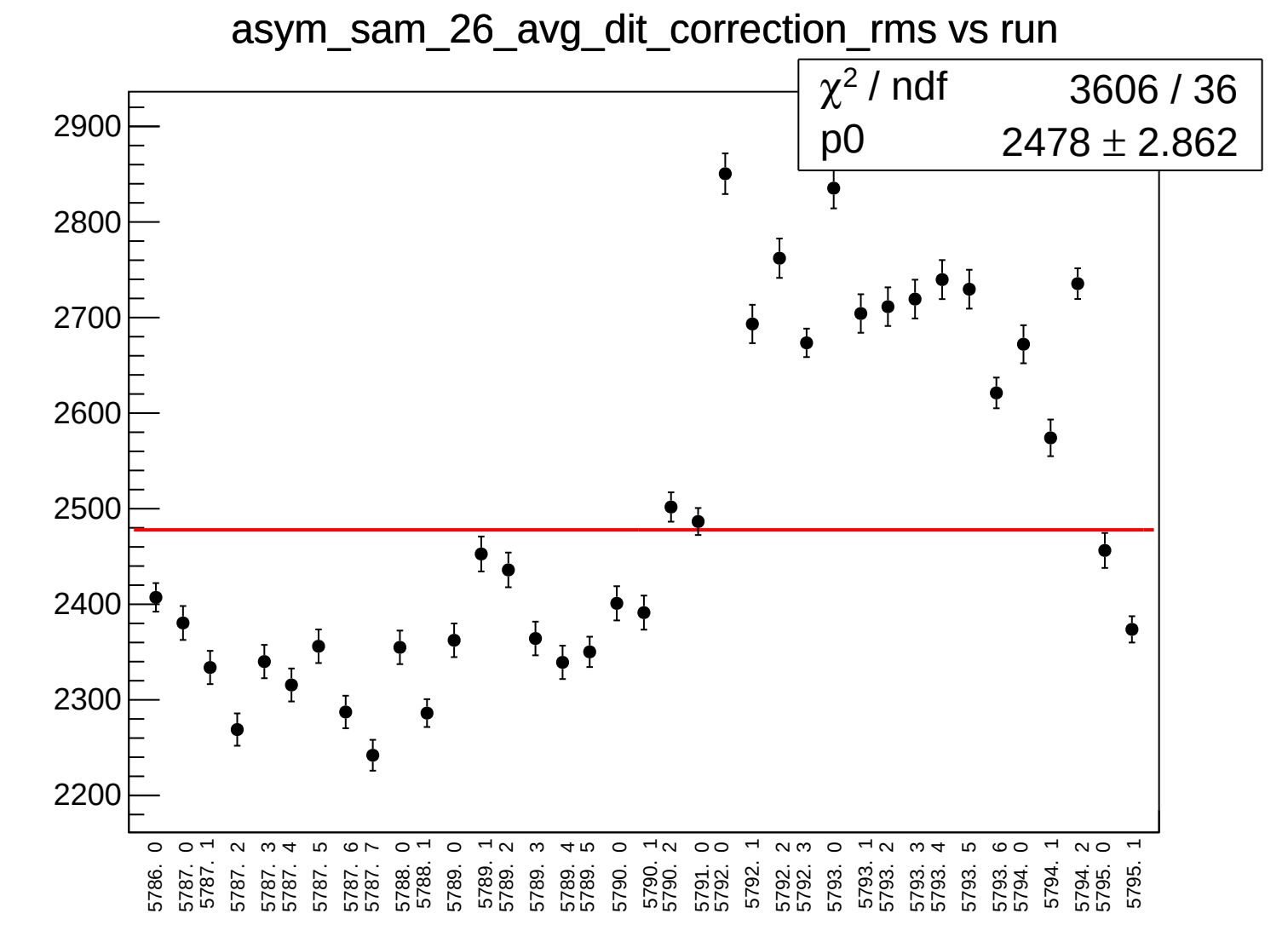
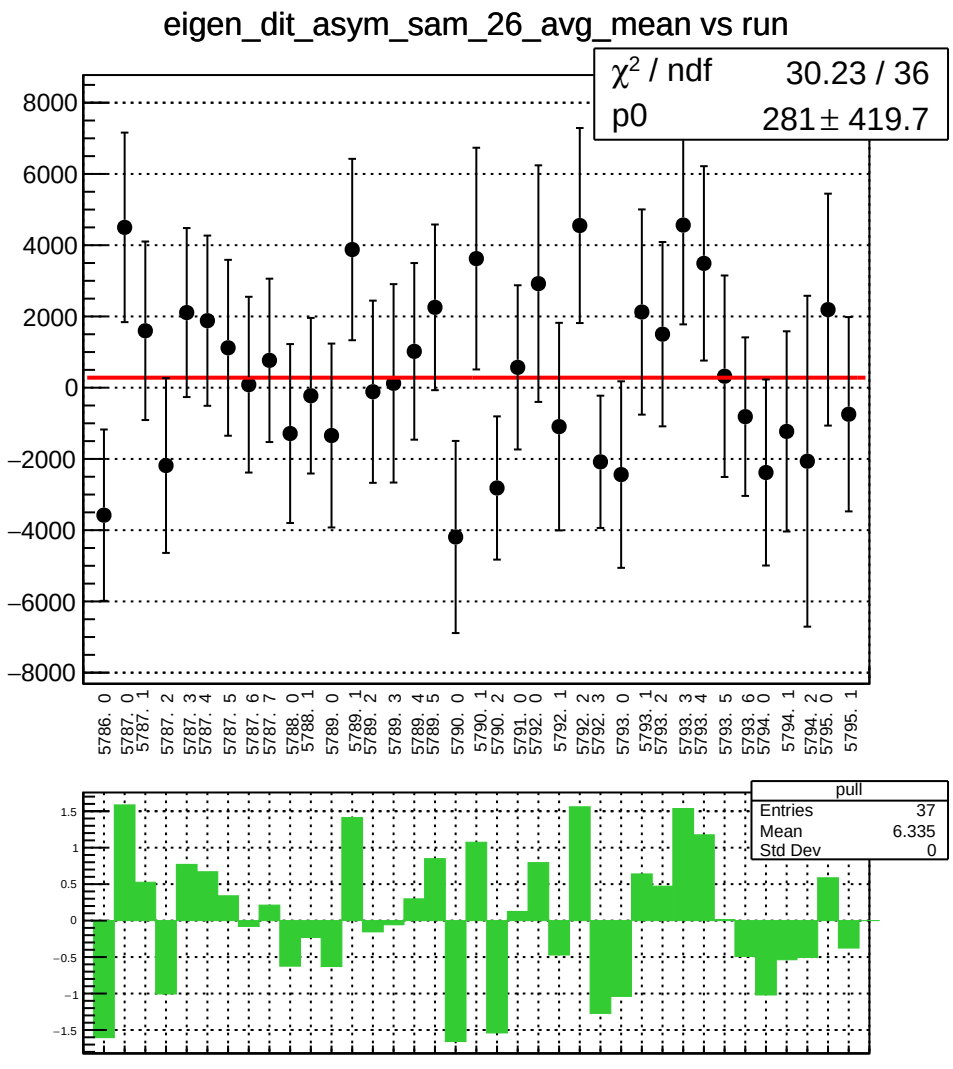
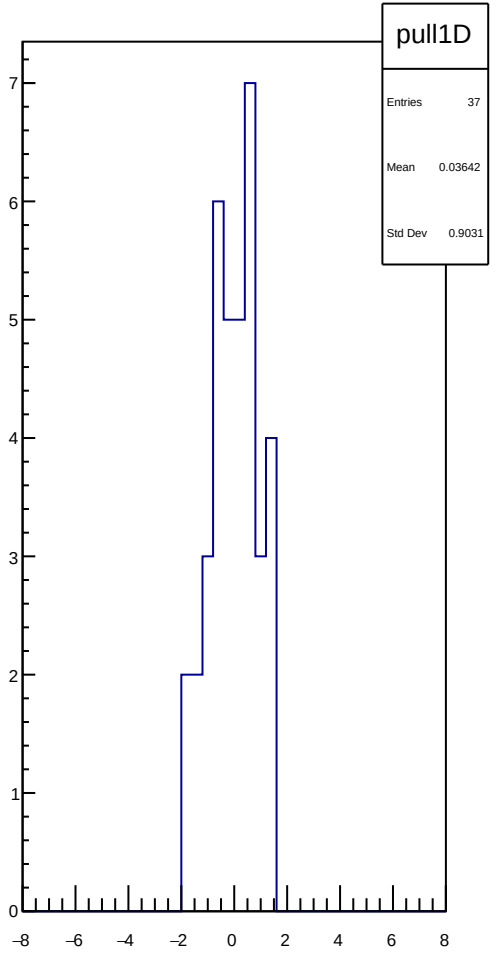
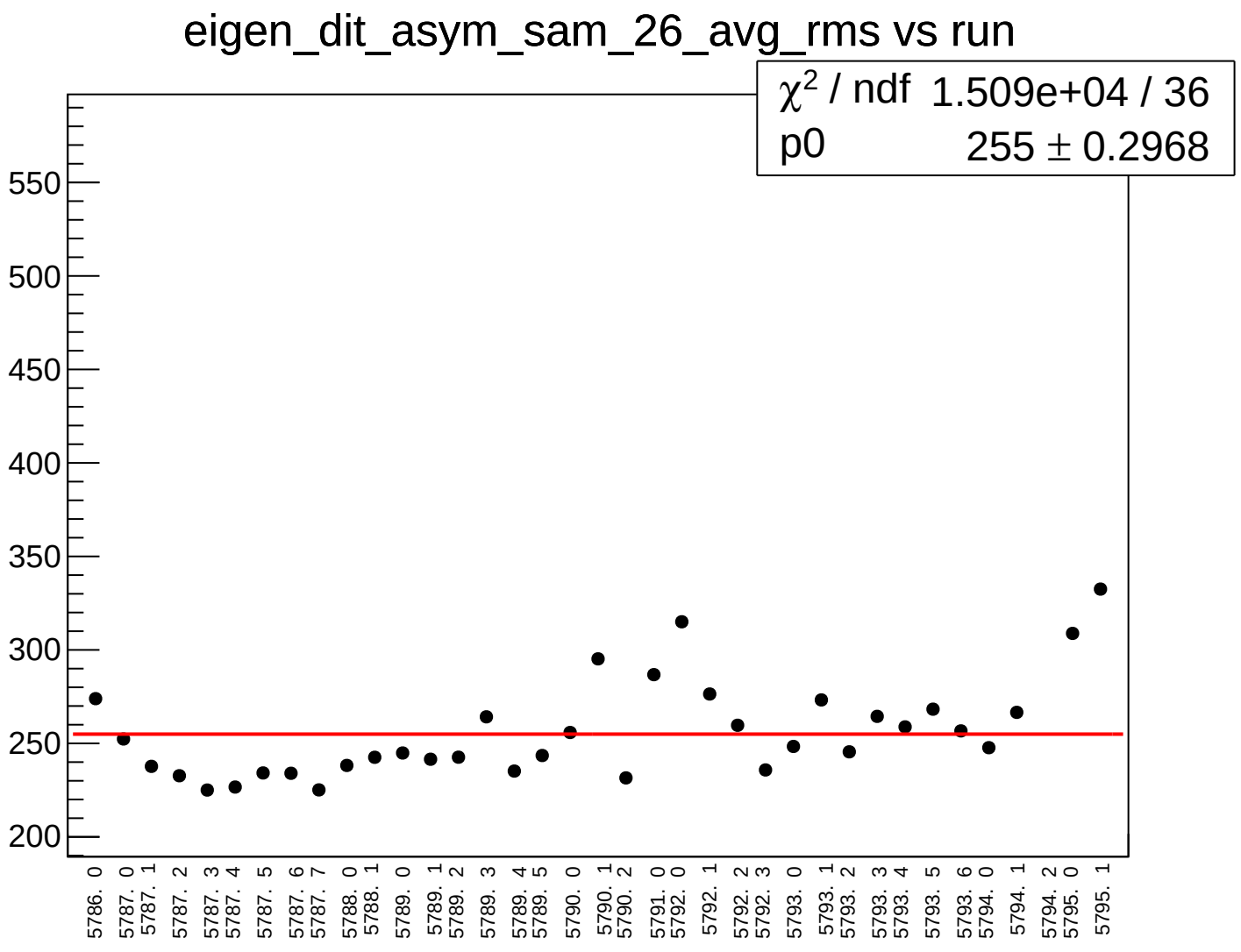
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.012
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

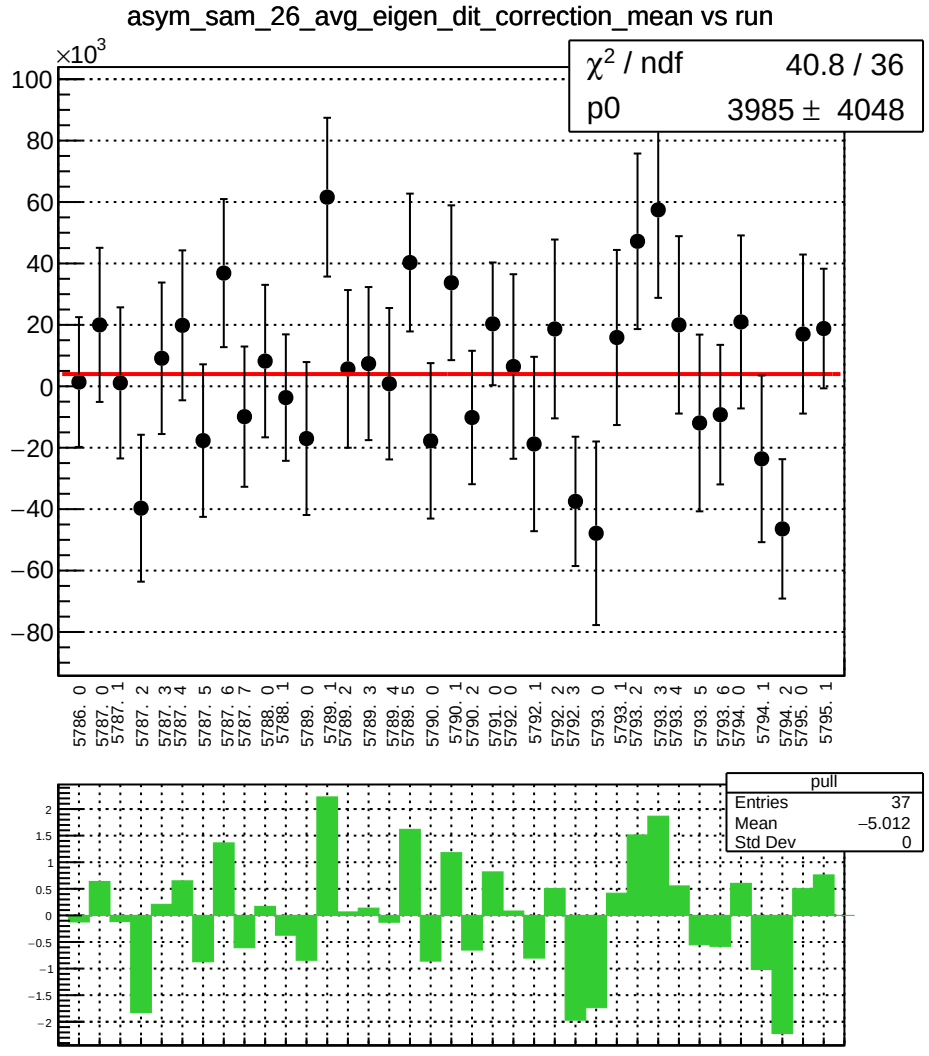

pull1D
Entries 37
Mean 0.0162
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

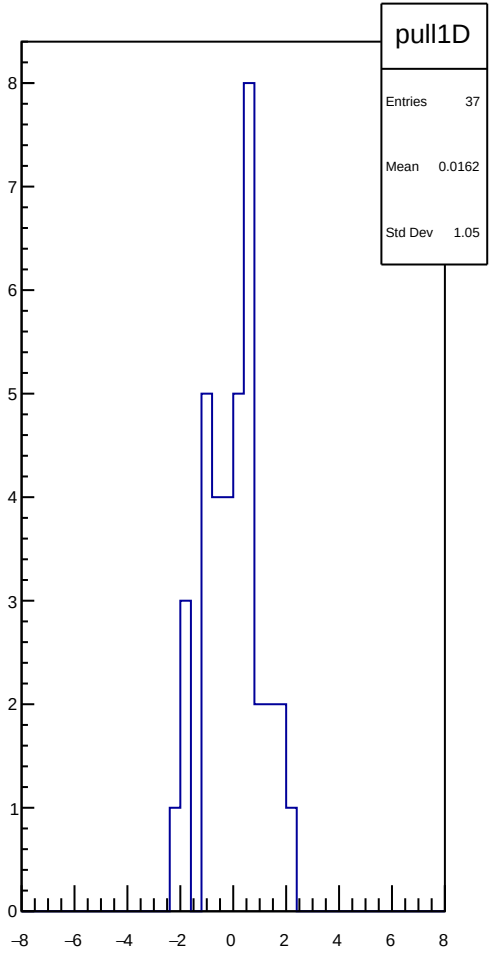

asym_sam_26_avg_dit_correction_rms vs run
χ² / ndf 3606 / 36
p0 2478 ± 2.862
2900
2800
2700
2600
2500
2400
2300
2200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

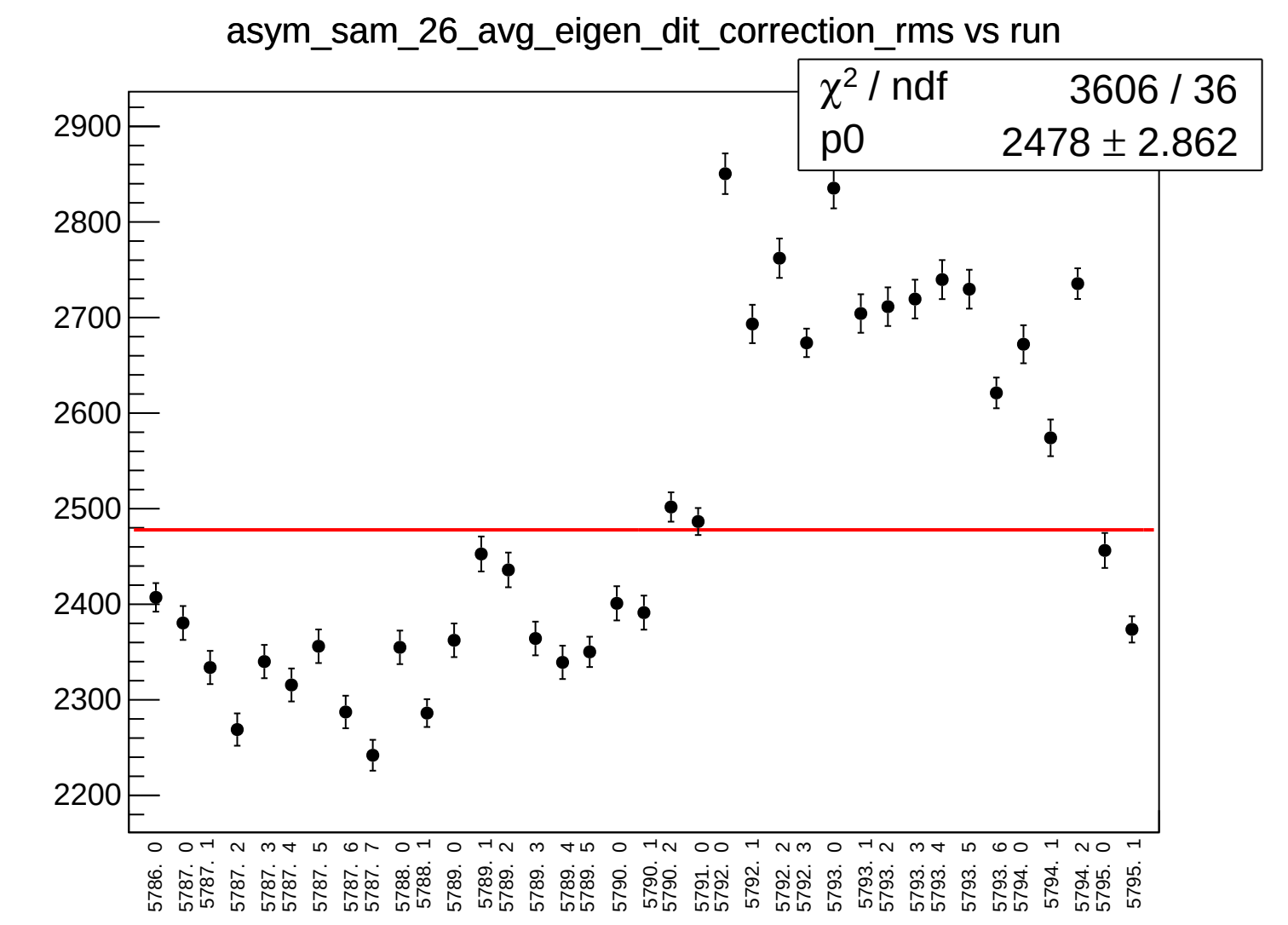

eigen_dit_asym_sam_26_avg_mean vs run
χ² / ndf 30.23 / 36
p0 281 ± 419.7
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.335
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

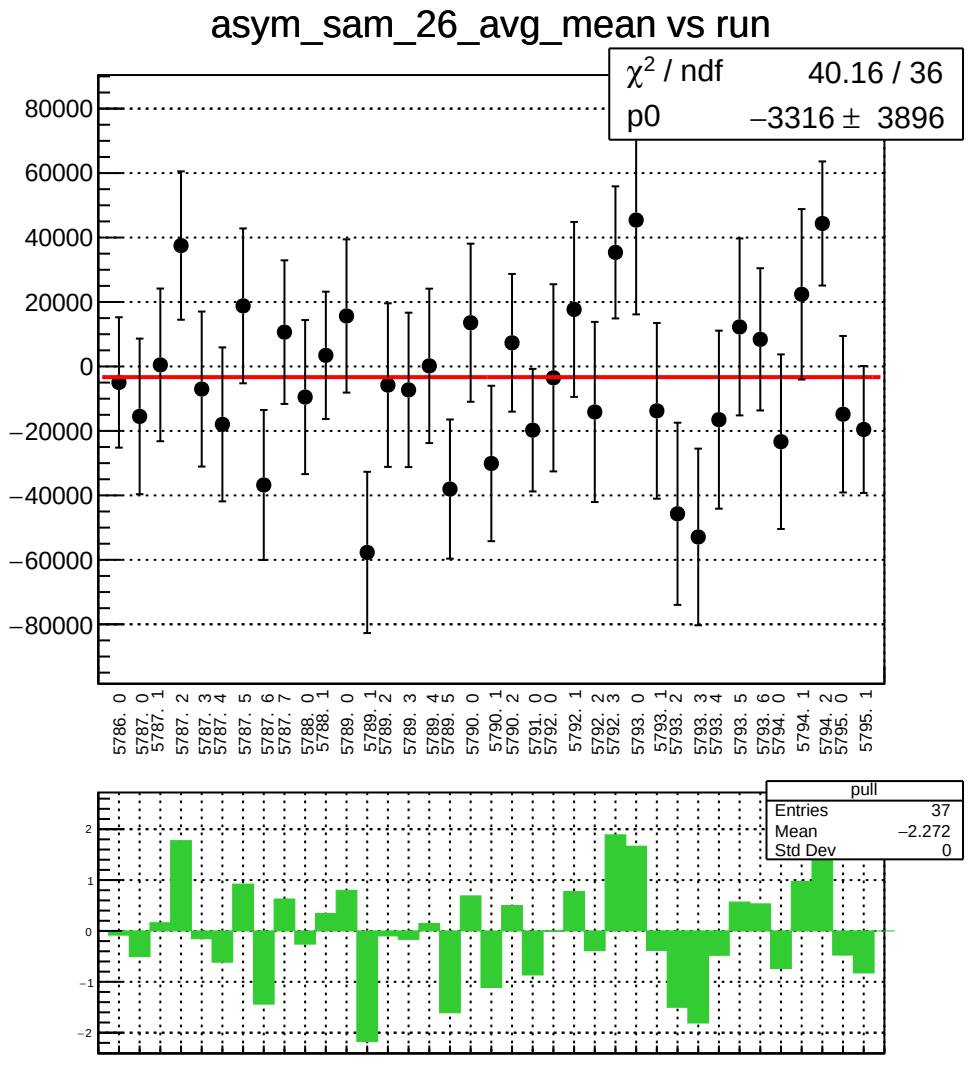

pull1D
Entries 37
Mean 0.03642
Std Dev 0.9031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

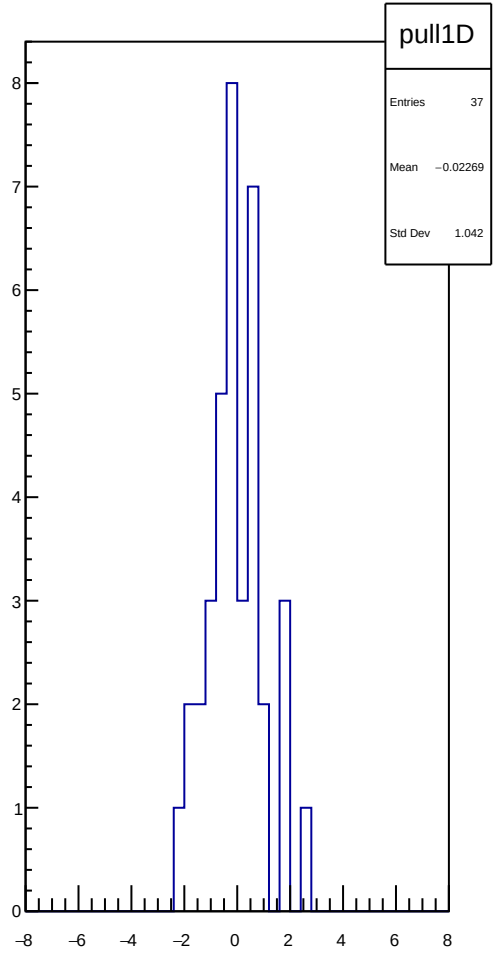

eigen_dit_asym_sam_26_avg_rms vs run
χ² / ndf 1.509e+04 / 36
p0 255 ± 0.2968
550
500
450
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

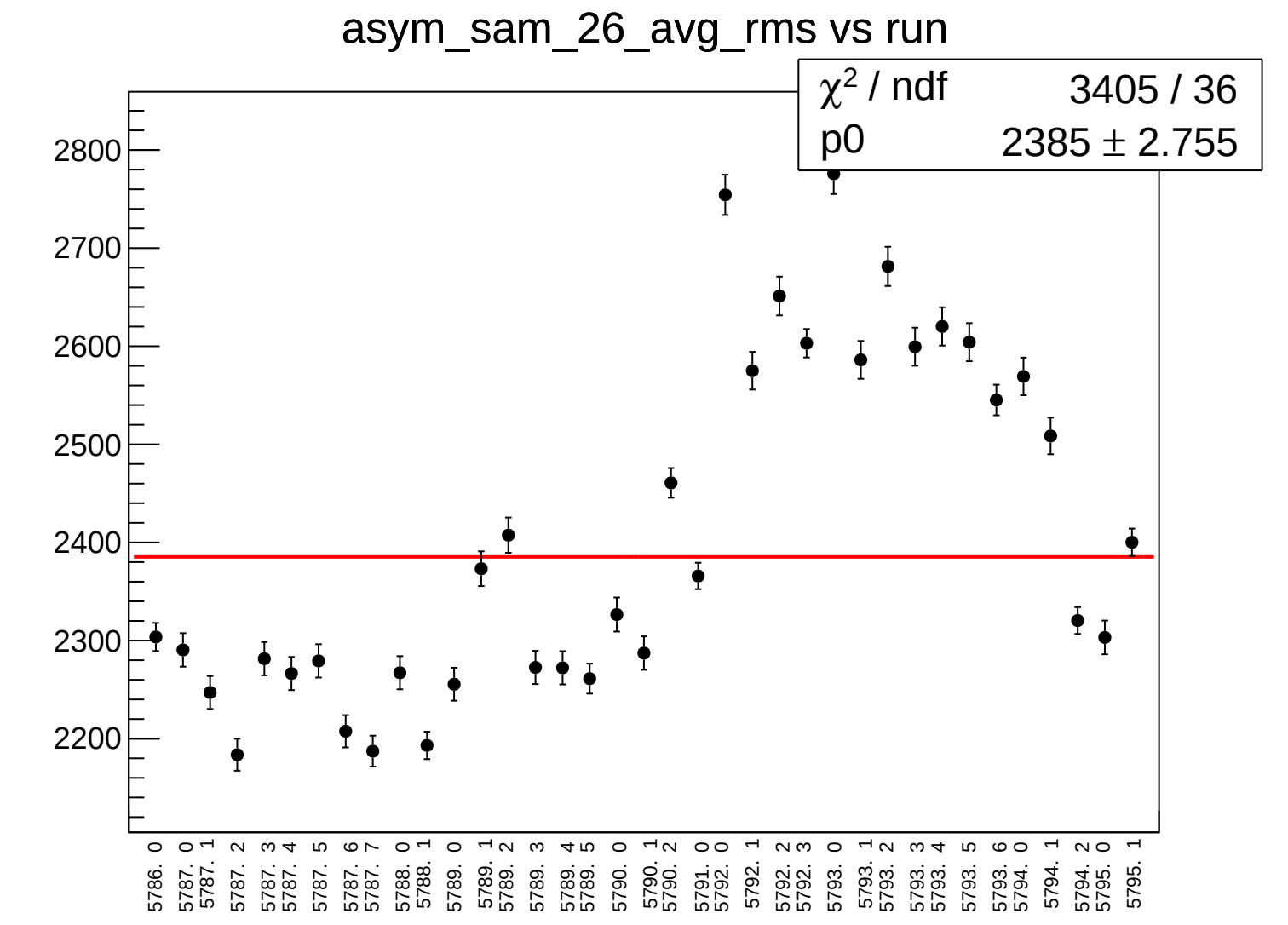

asym_sam_26_avg_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.8 / 36
p0 3985 ± 4048
pull
Entries 37
Mean −5.012
Std Dev 0

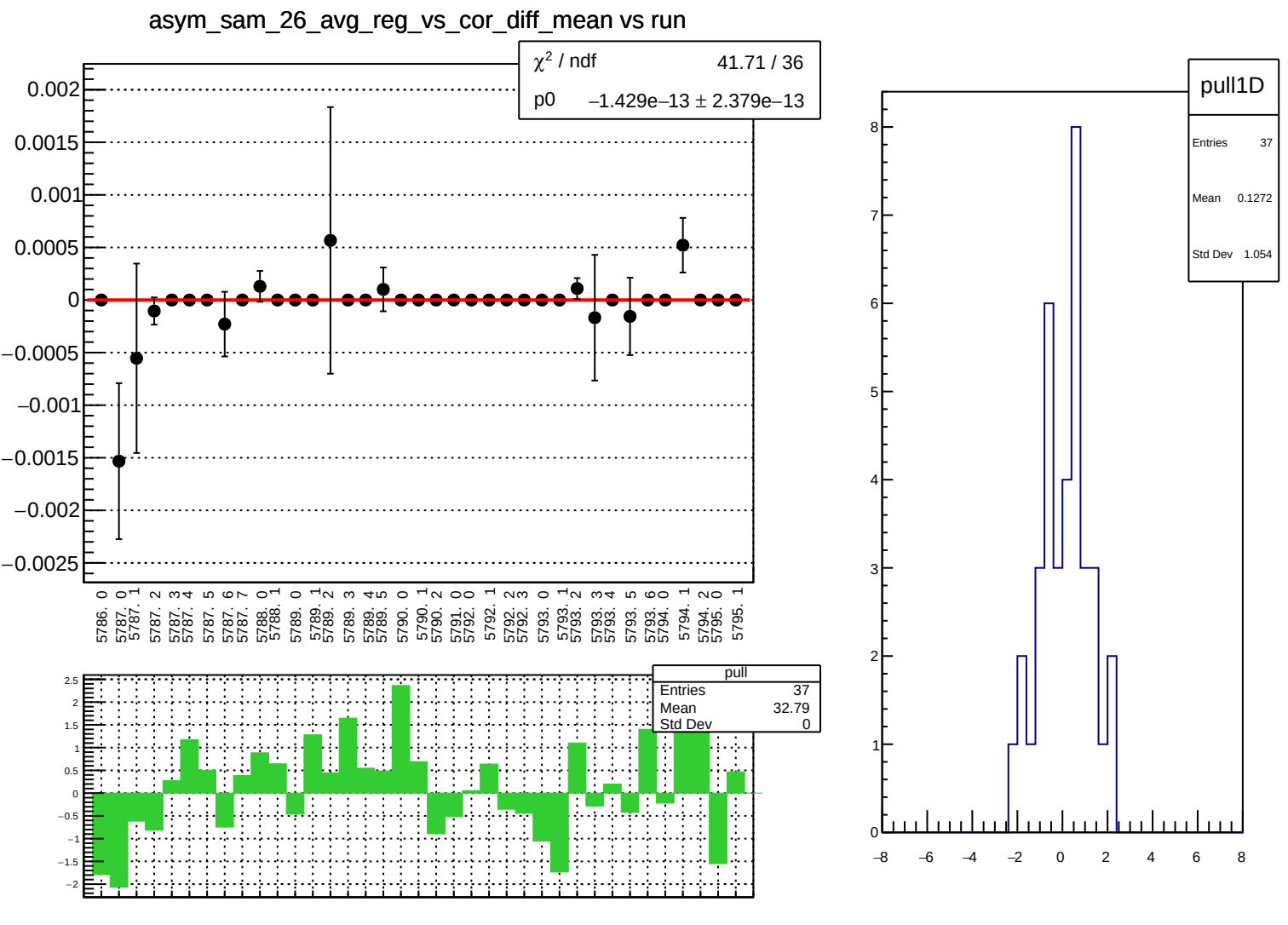

pull1D
Entries 37
Mean 0.0162
Std Dev 1.05

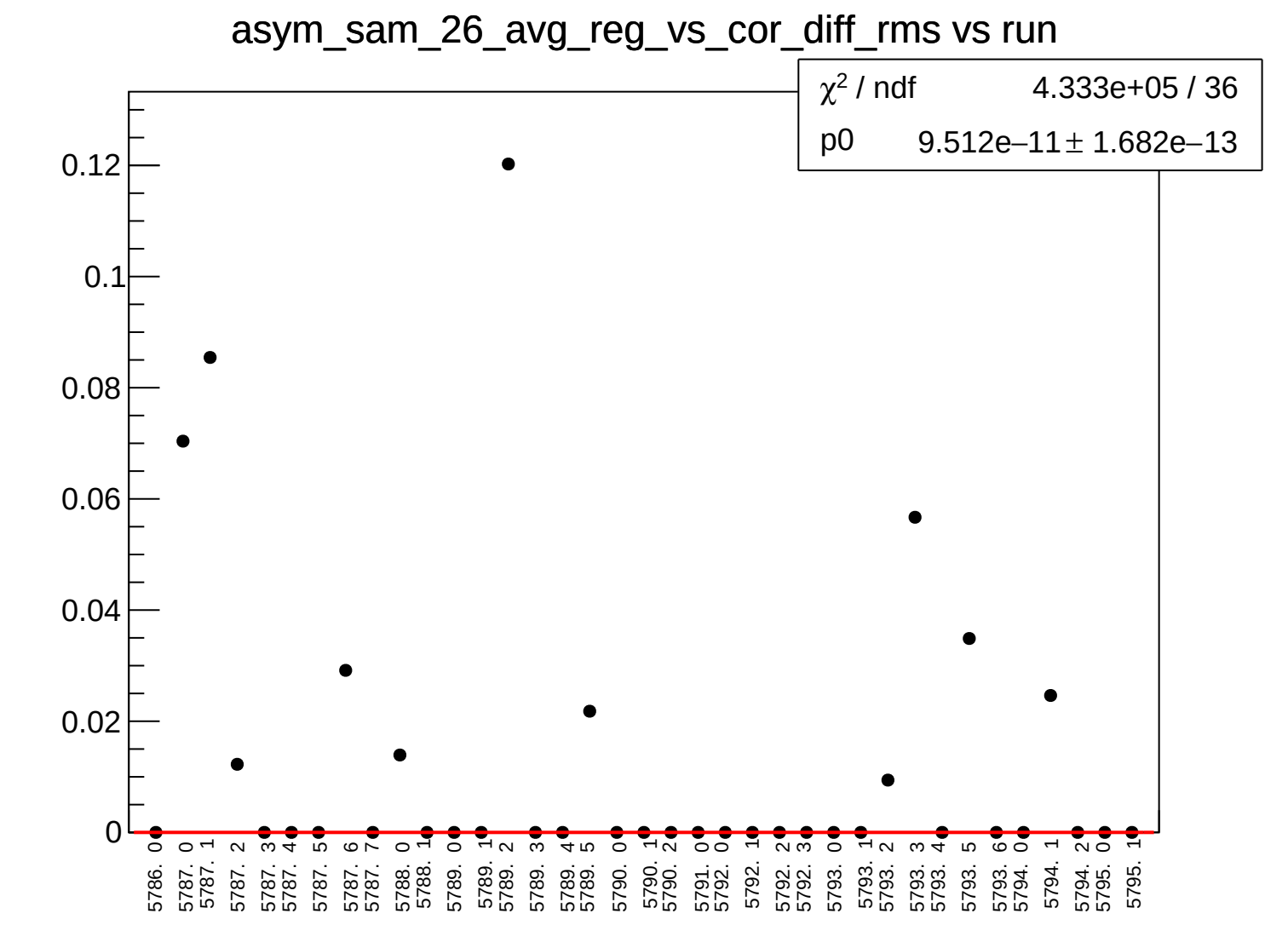

asym_sam_26_avg_eigen_dit_correction_rms vs run
χ² / ndf 3606 / 36
p0 2478 ± 2.862
2900
2800
2700
2600
2500
2400
2300
2200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

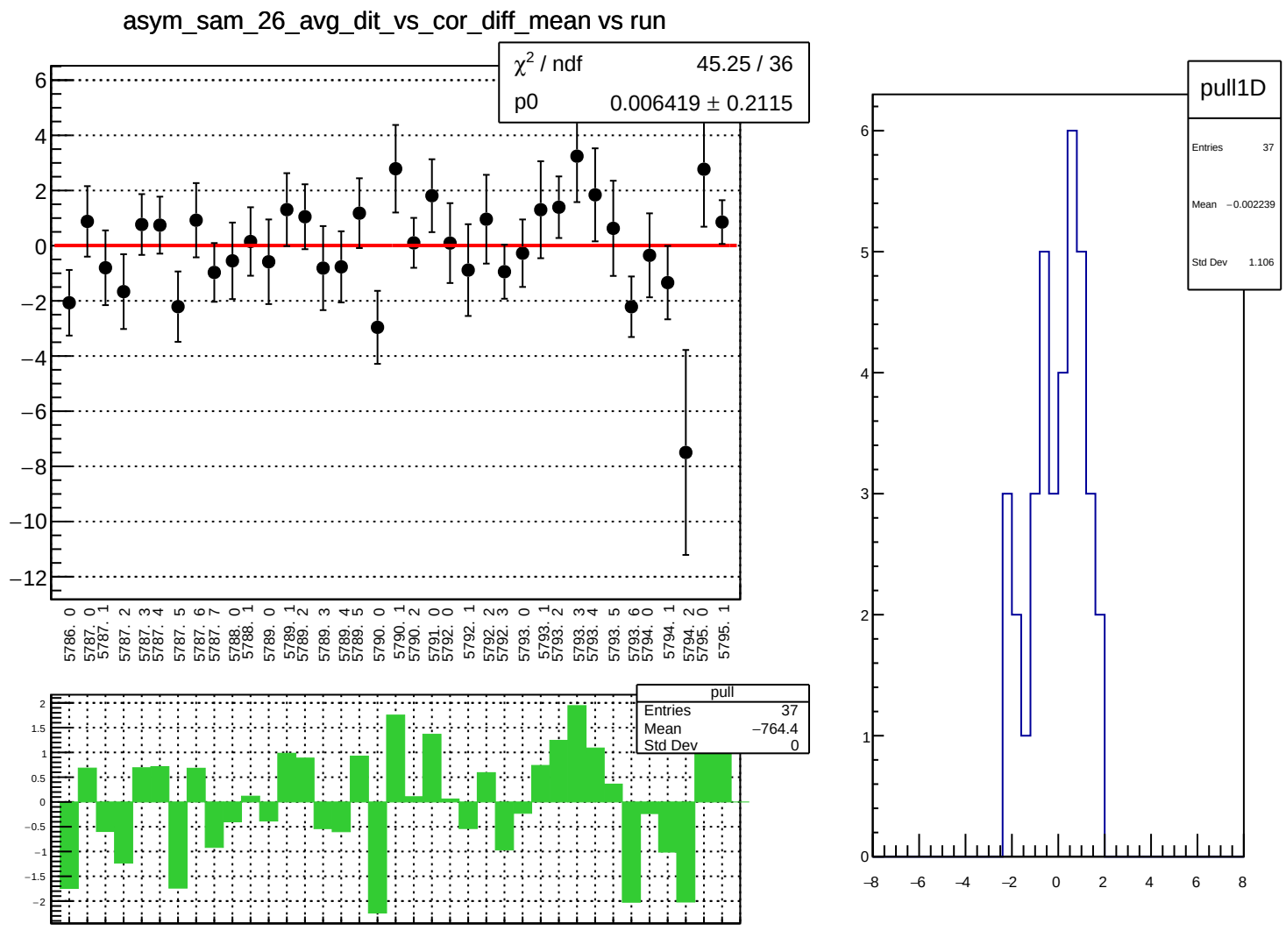

asym_sam_26_avg_mean vs run
χ² / ndf 40.16 / 36
p0 −3316 ± 3896
80000
60000
40000
20000
0
−20000
−40000
−60000
−80000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.272
Std Dev 0
2
1
0
−1
−2

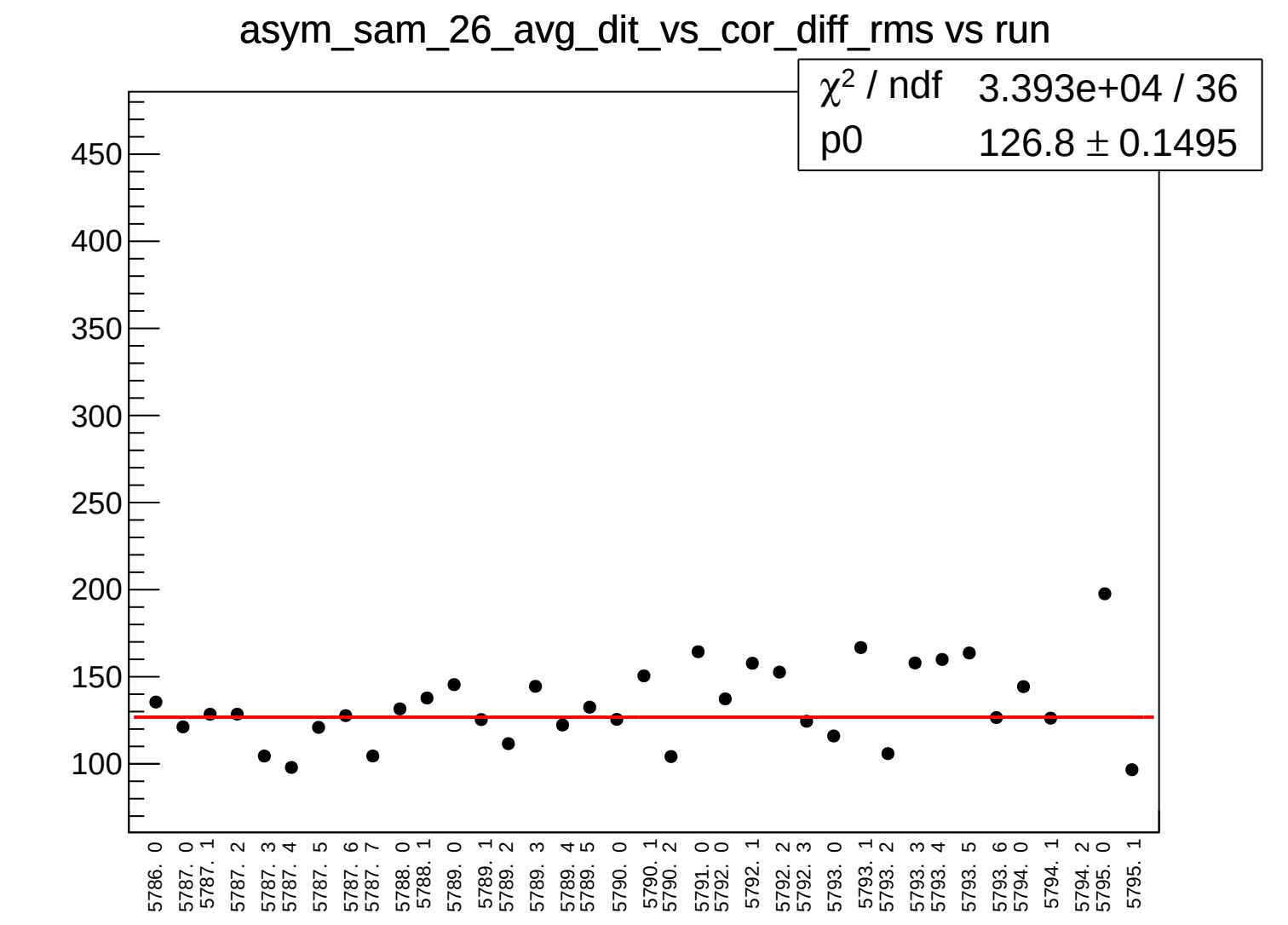

pull1D
Entries 37
Mean −0.02269
Std Dev 1.042
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

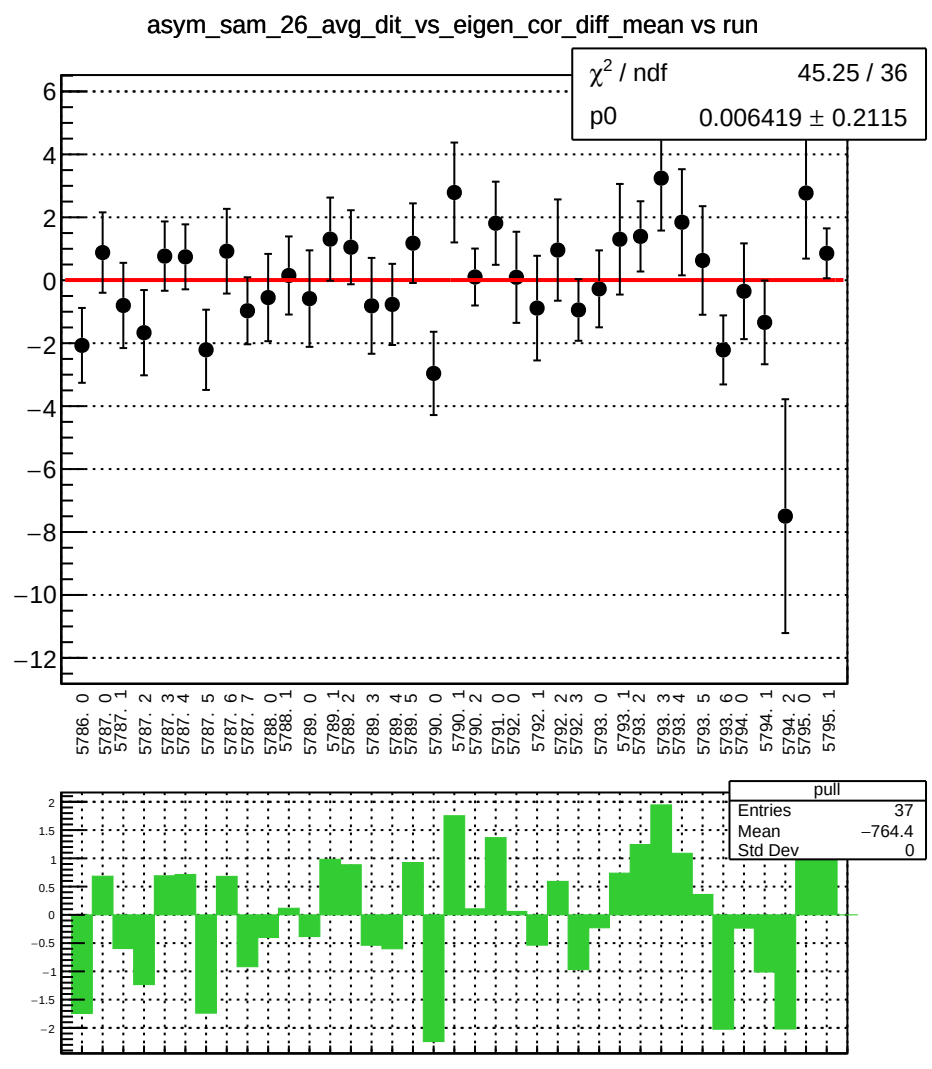

asym_sam_26_avg_rms vs run
χ² / ndf 3405 / 36
p0 2385 ± 2.755
2800
2700
2600
2500
2400
2300
2200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

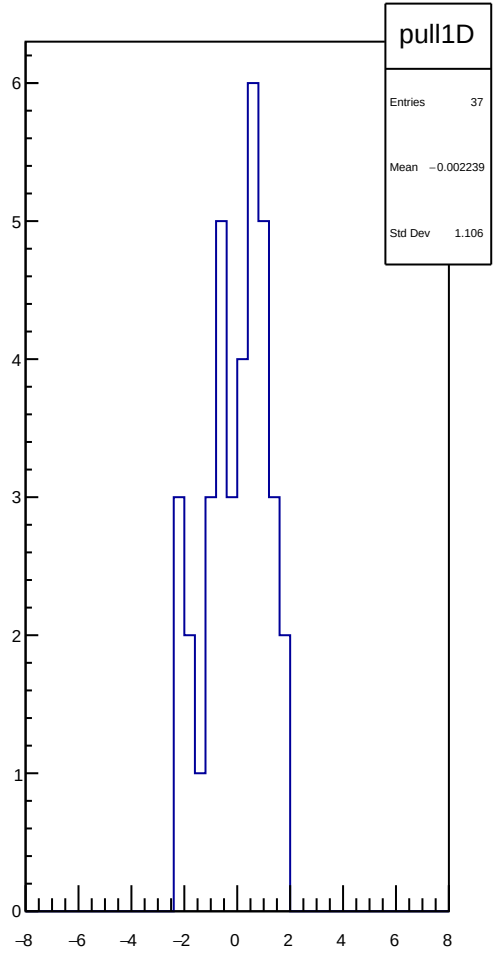

asym_sam_26_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 41.71 / 36
p0 −1.429e−13 ± 2.379e−13
0.002
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
−0.0025
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 32.79
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1272
Std Dev 1.054
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

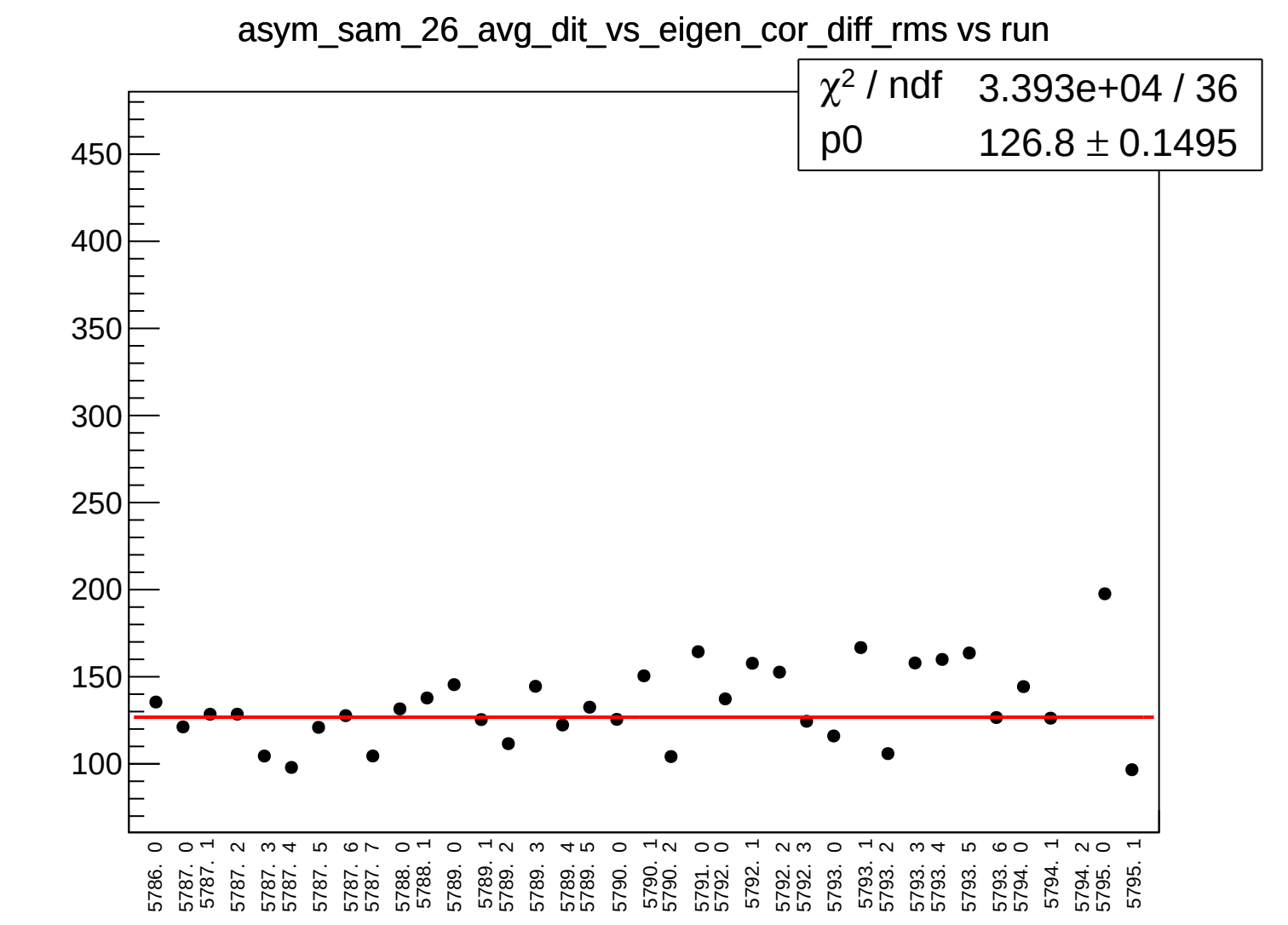

asym_sam_26_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.333e+05 / 36
p0 9.512e−11 ± 1.682e−13
0.12
0.1
0.08
0.06
0.04
0.02
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

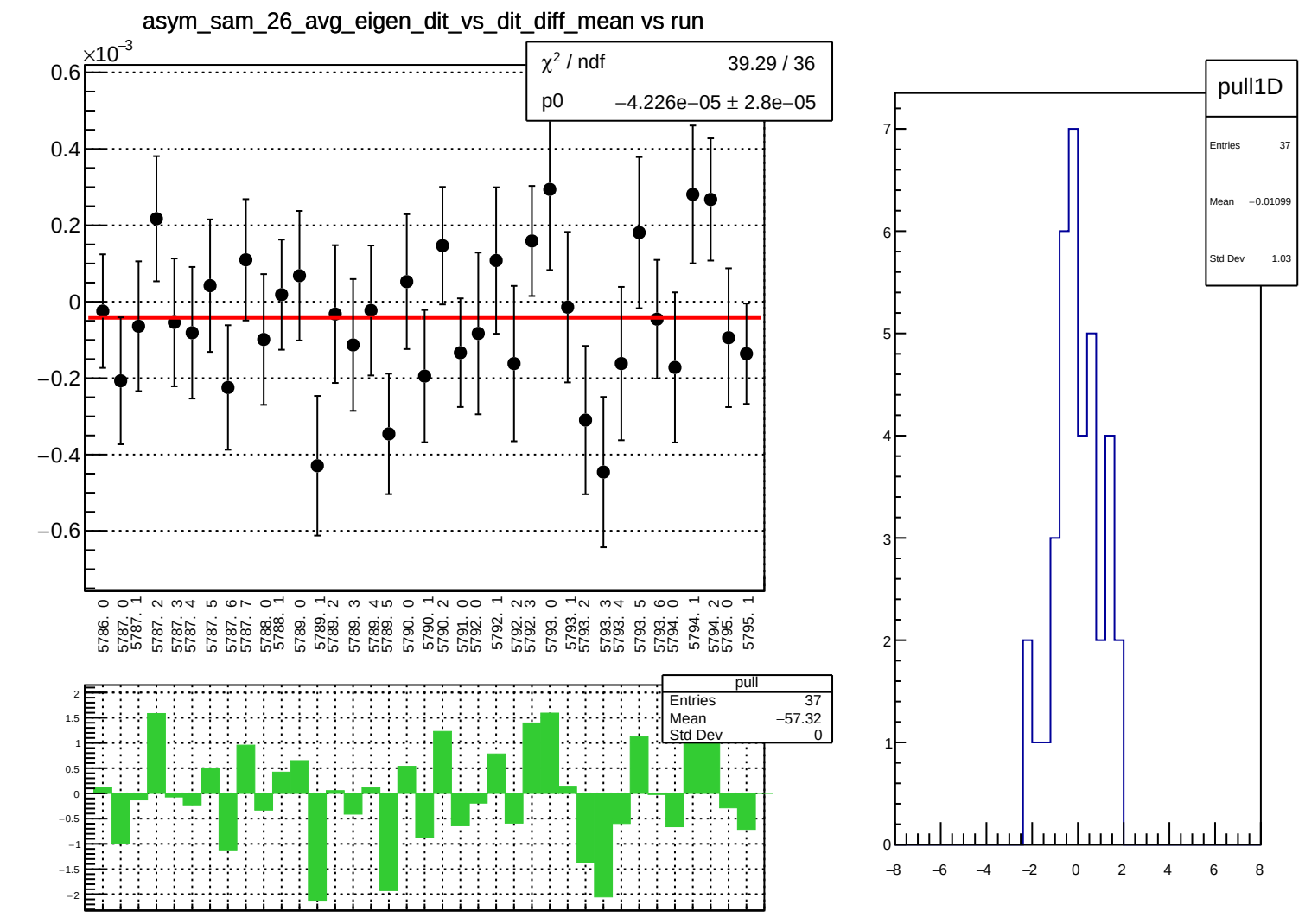

asym_sam_26_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.25 / 36
p0 0.006419 ± 0.2115
pull
Entries 37
Mean −764.4
Std Dev 0
pull1D
Entries 37
Mean −0.002239
Std Dev 1.106

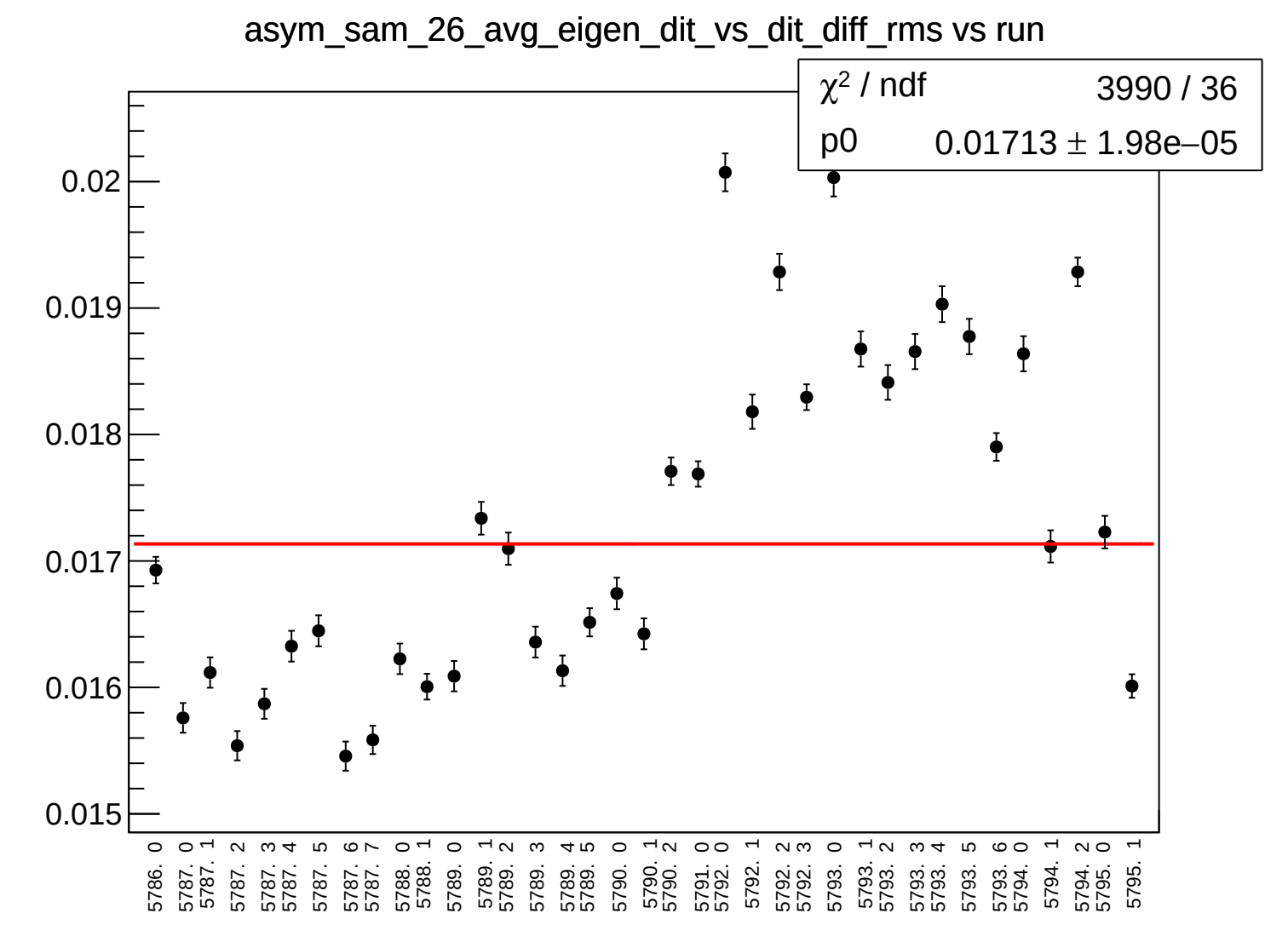

asym_sam_26_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.393e+04 / 36
p0 126.8 ± 0.1495
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

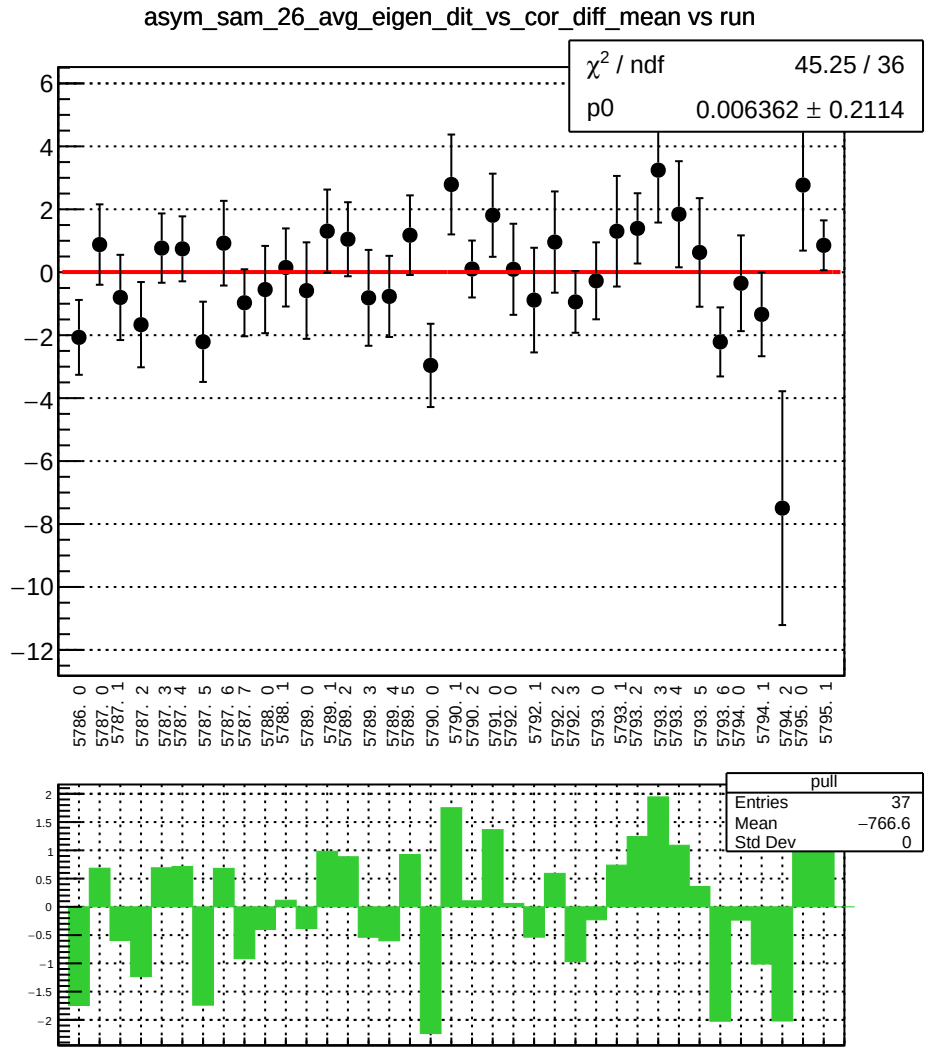

asym_sam_26_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.25 / 36
p0 0.006419 ± 0.2115
pull
Entries 37
Mean −764.4
Std Dev 0

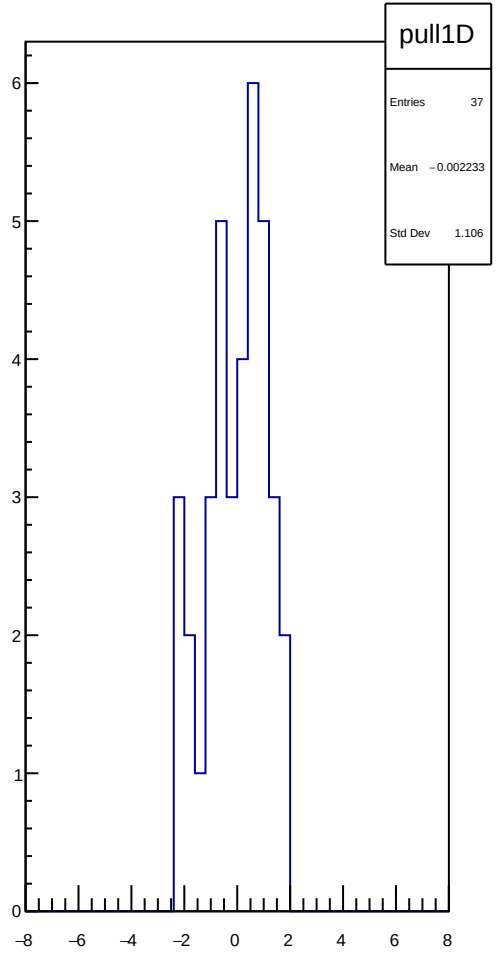

pull1D
Entries 37
Mean −0.002239
Std Dev 1.106

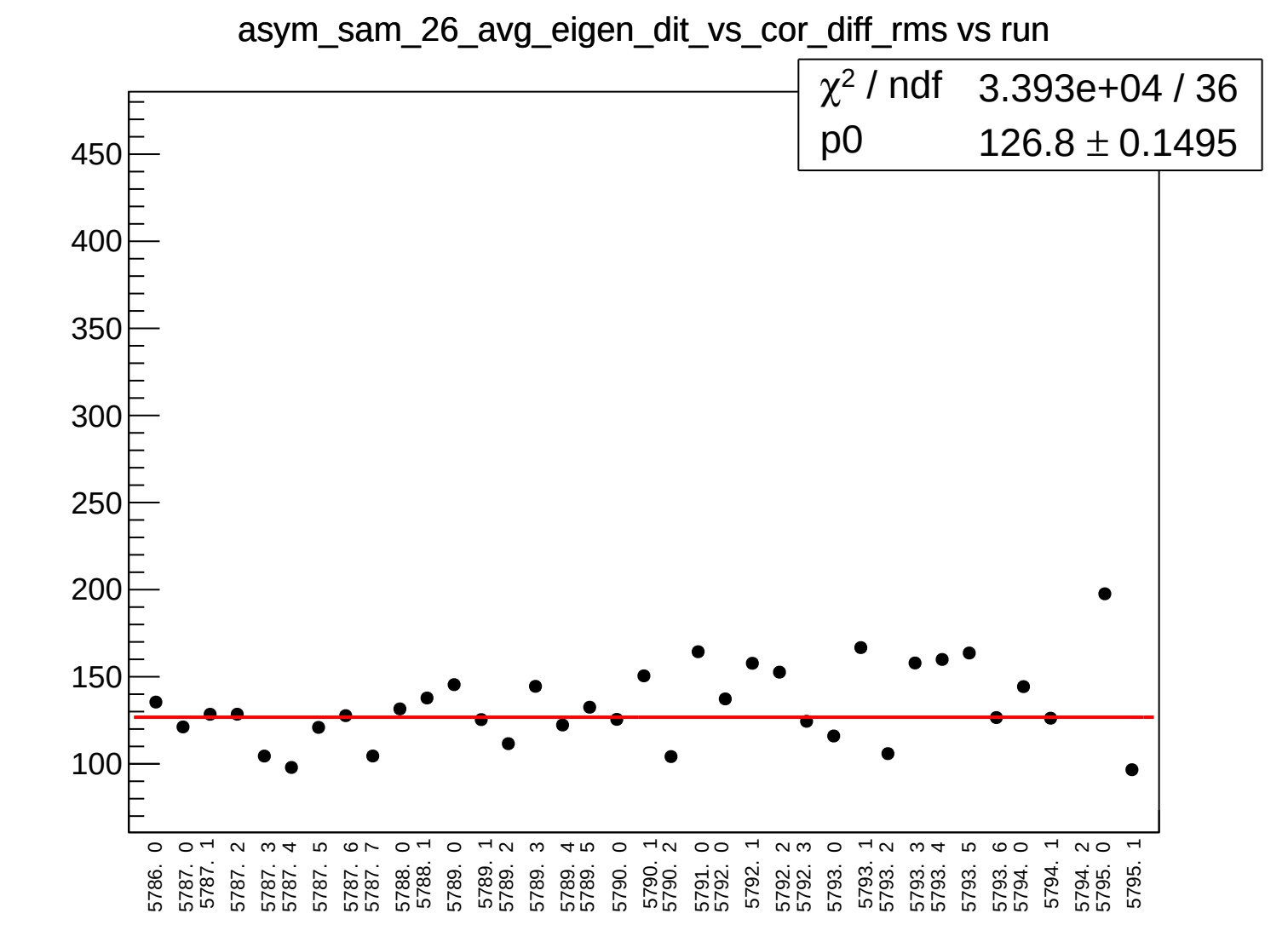

asym_sam_26_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.393e+04 / 36
p0 126.8 ± 0.1495
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

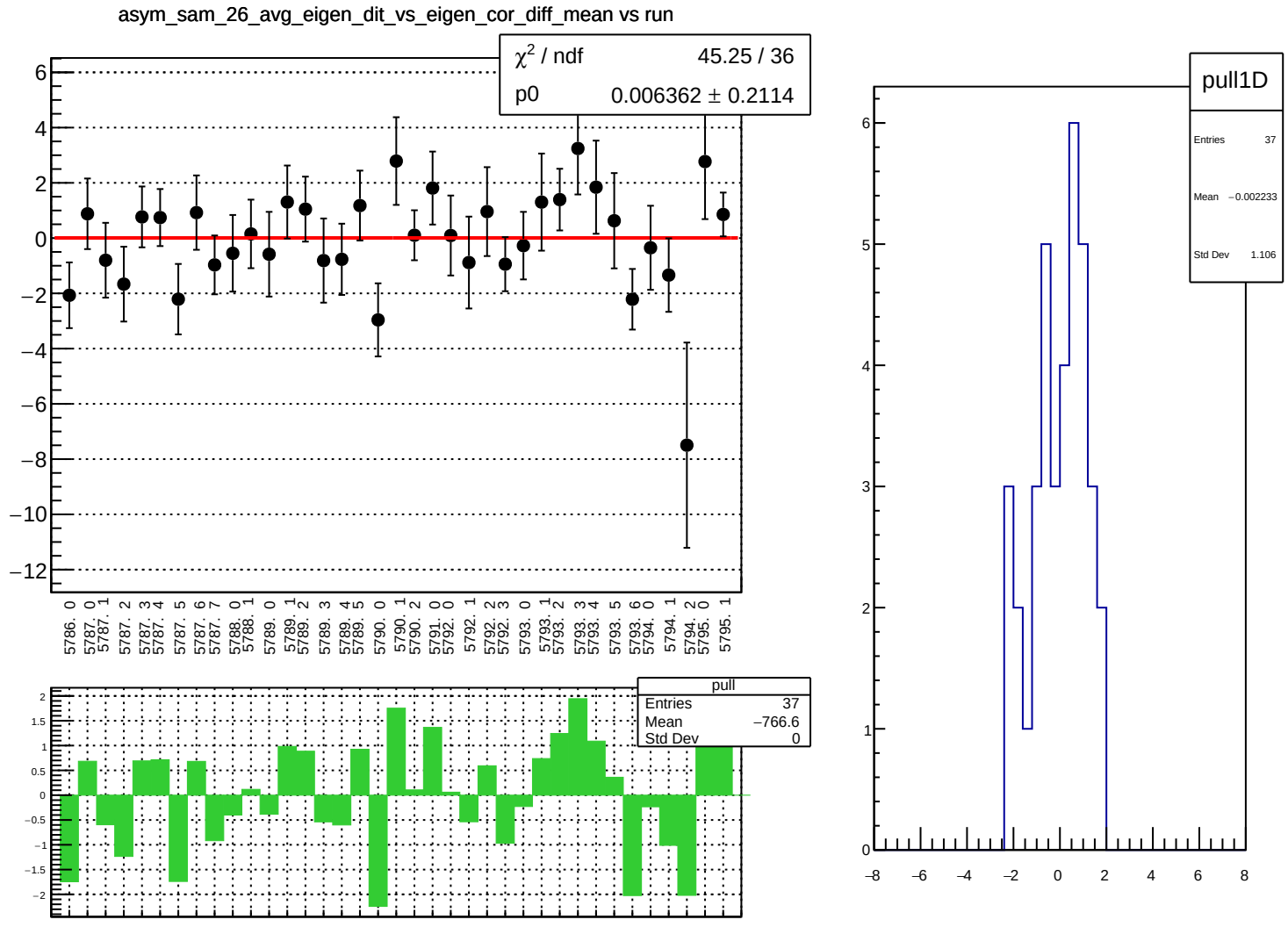

asym_sam_26_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.29 / 36
p0 −4.226e−05 ± 2.8e−05
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.32
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01099
Std Dev 1.03
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

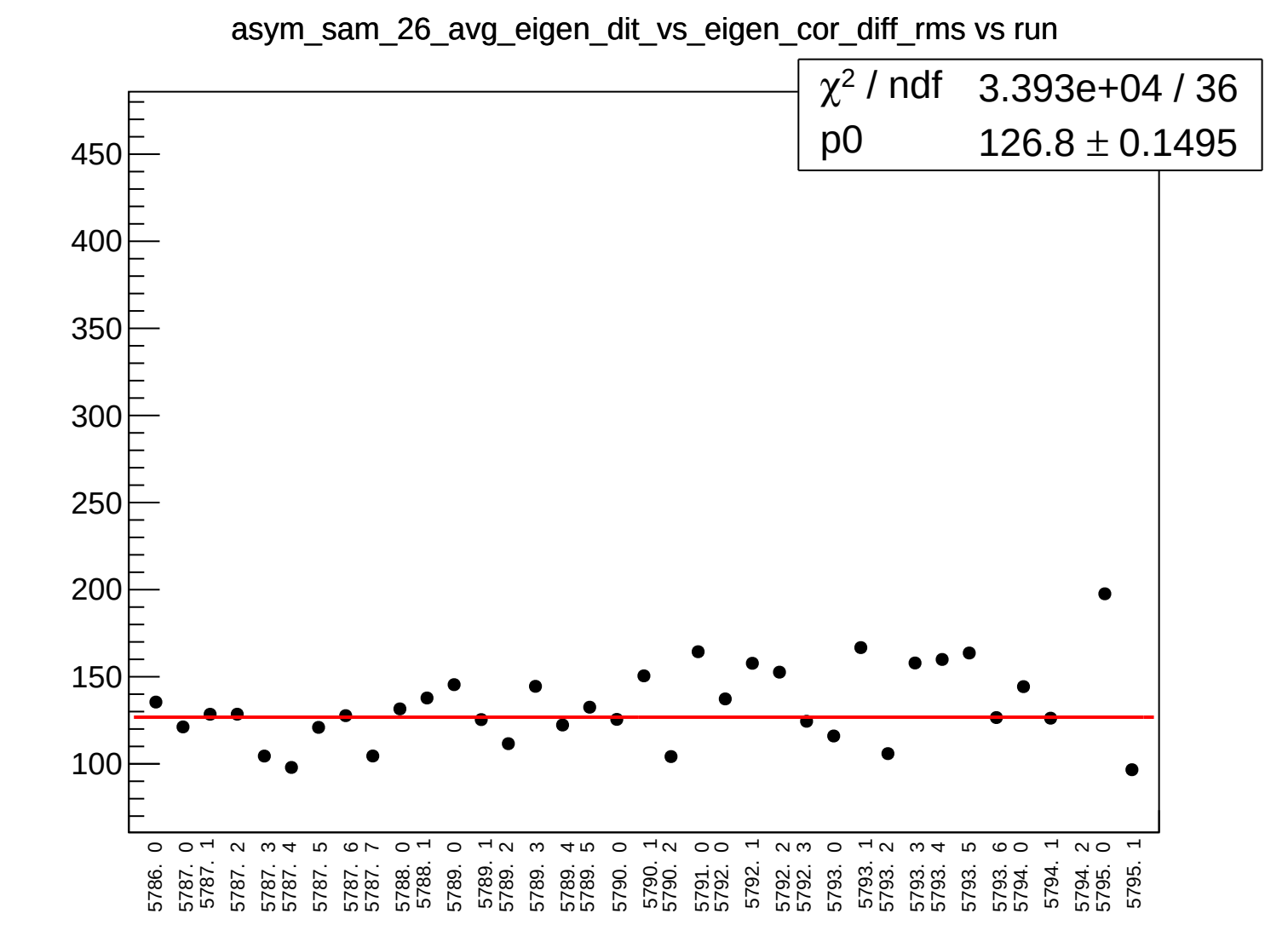

asym_sam_26_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3990 / 36
p0 0.01713 ± 1.98e−05
0.02
0.019
0.018
0.017
0.016
0.015
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

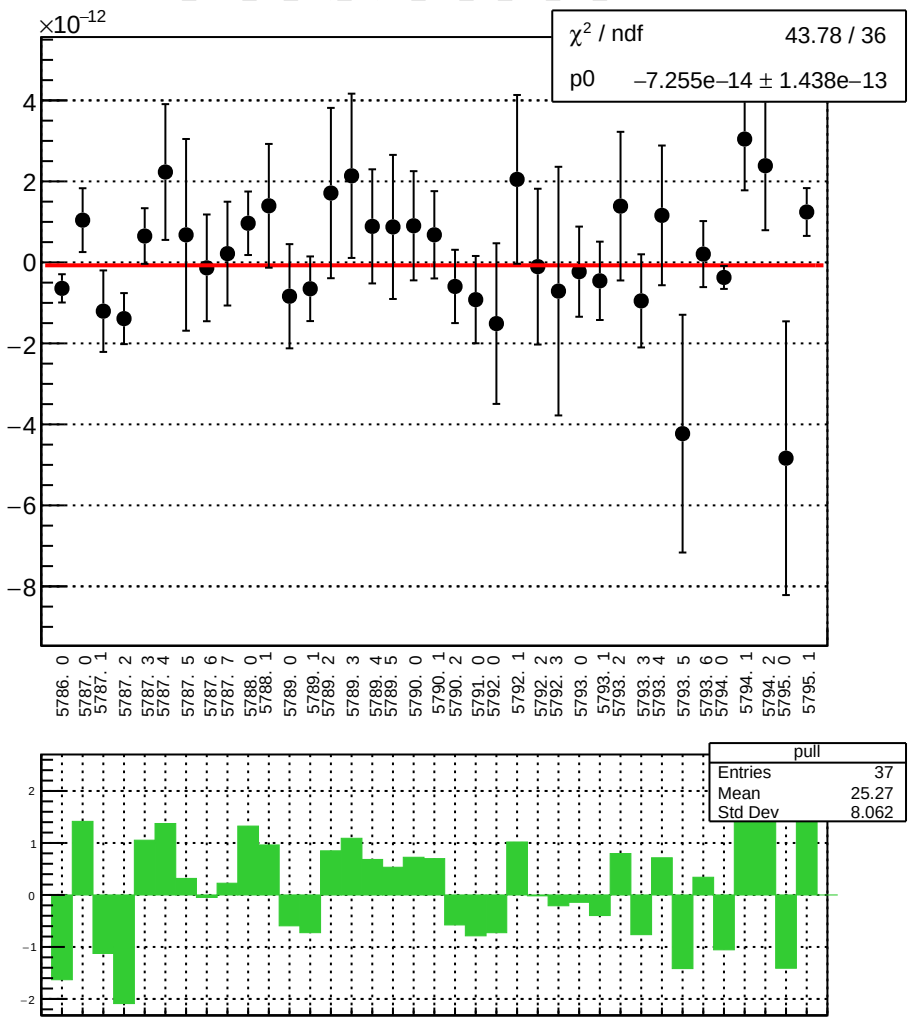

asym_sam_26_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.25 / 36
p0 0.006362 ± 0.2114
pull
Entries 37
Mean −766.6
Std Dev 0

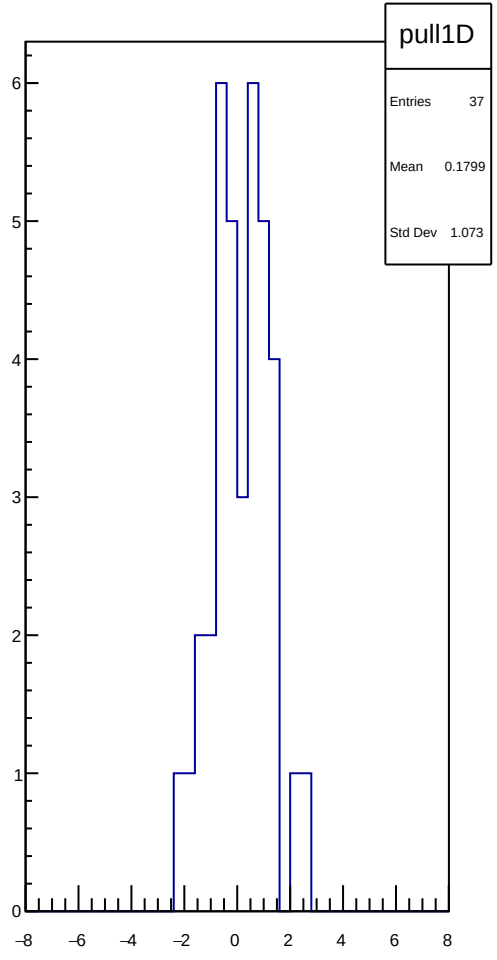

pull1D
Entries 37
Mean −0.002233
Std Dev 1.106

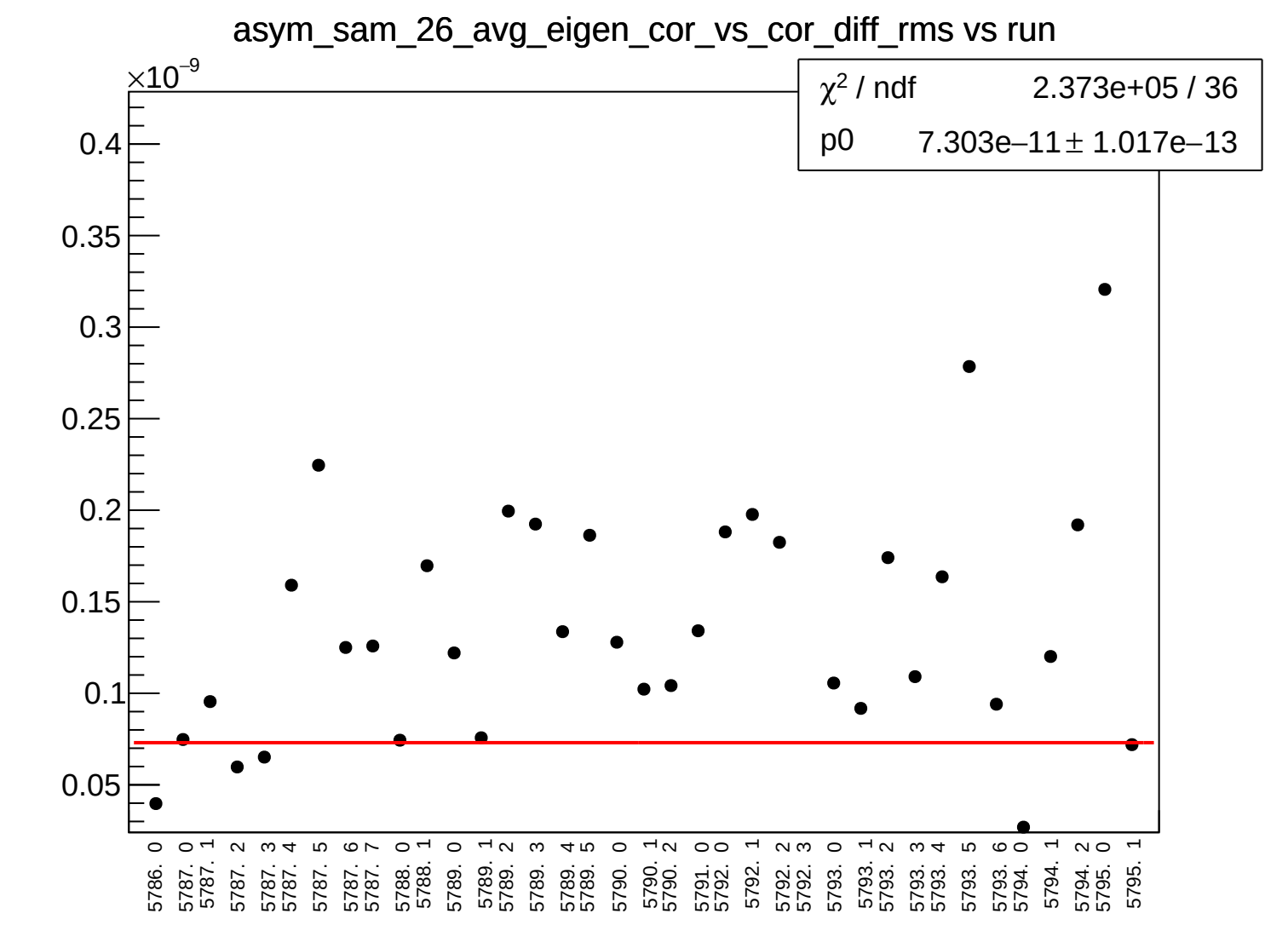

asym_sam_26_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.393e+04 / 36
p0 126.8 ± 0.1495
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

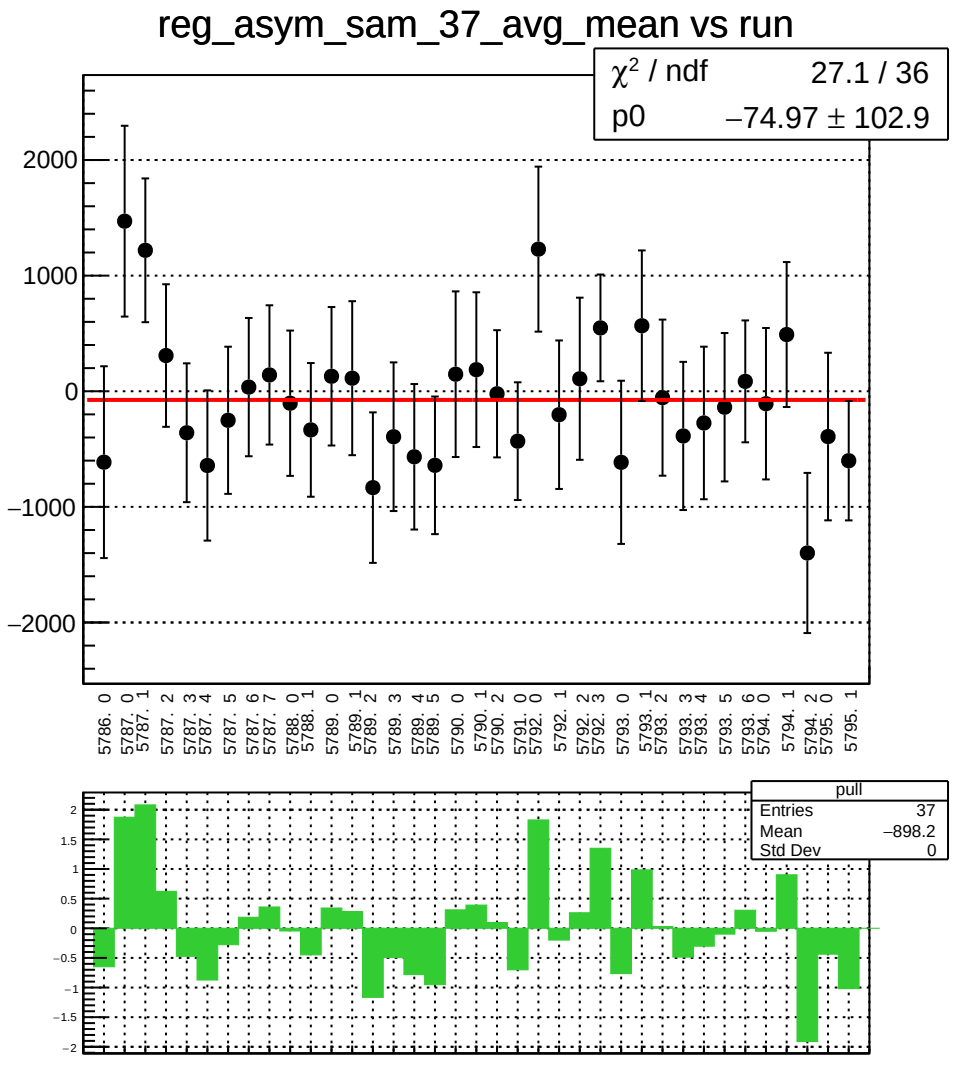

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.25 / 36
p0 0.006362 ± 0.2114
pull
Entries 37
Mean −766.6
Std Dev 0
pull1D
Entries 37
Mean −0.002233
Std Dev 1.106

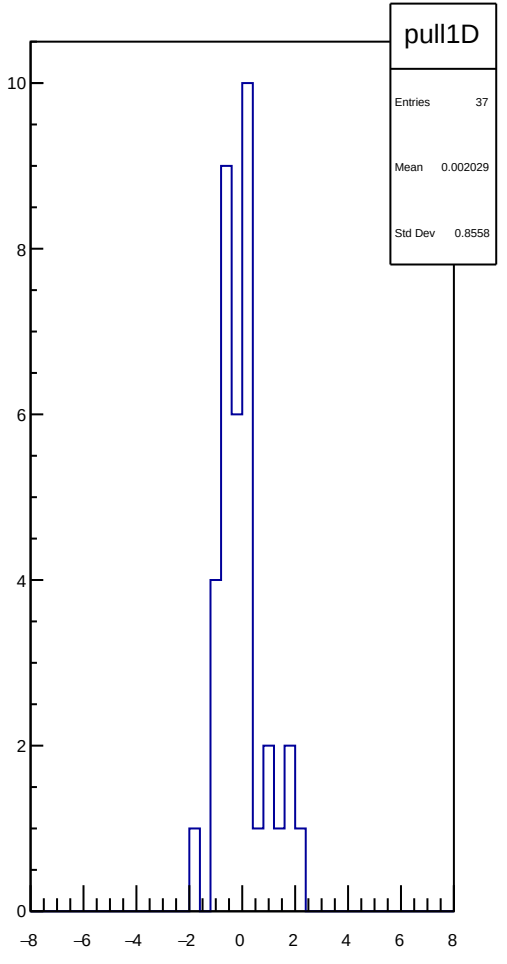

asym_sam_26_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.393e+04 / 36
p0 126.8 ± 0.1495
450
400
350
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

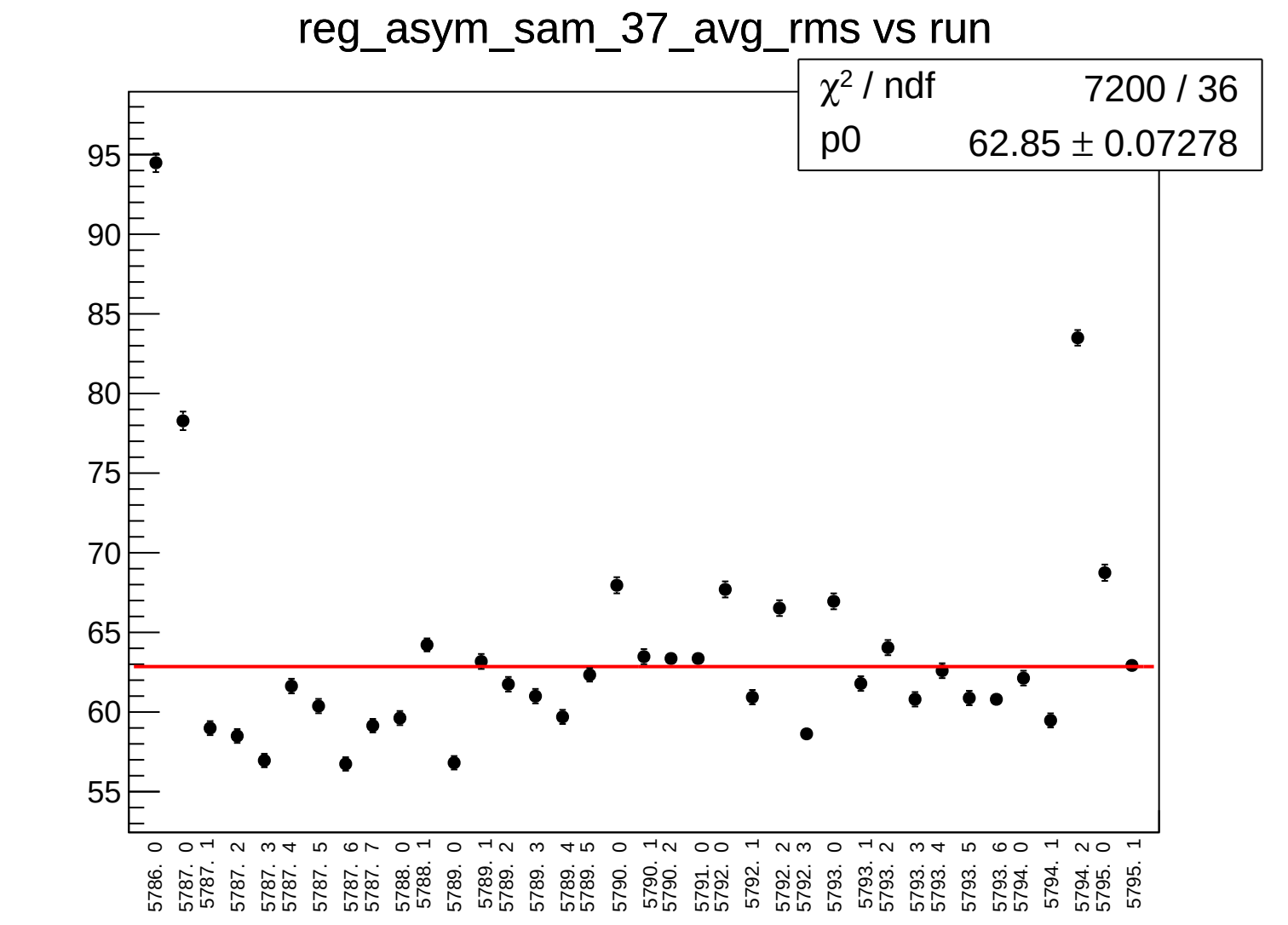

asym_sam_26_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.78 / 36
p0 −7.255e−14 ± 1.438e−13
pull
Entries 37
Mean 25.27
Std Dev 8.062

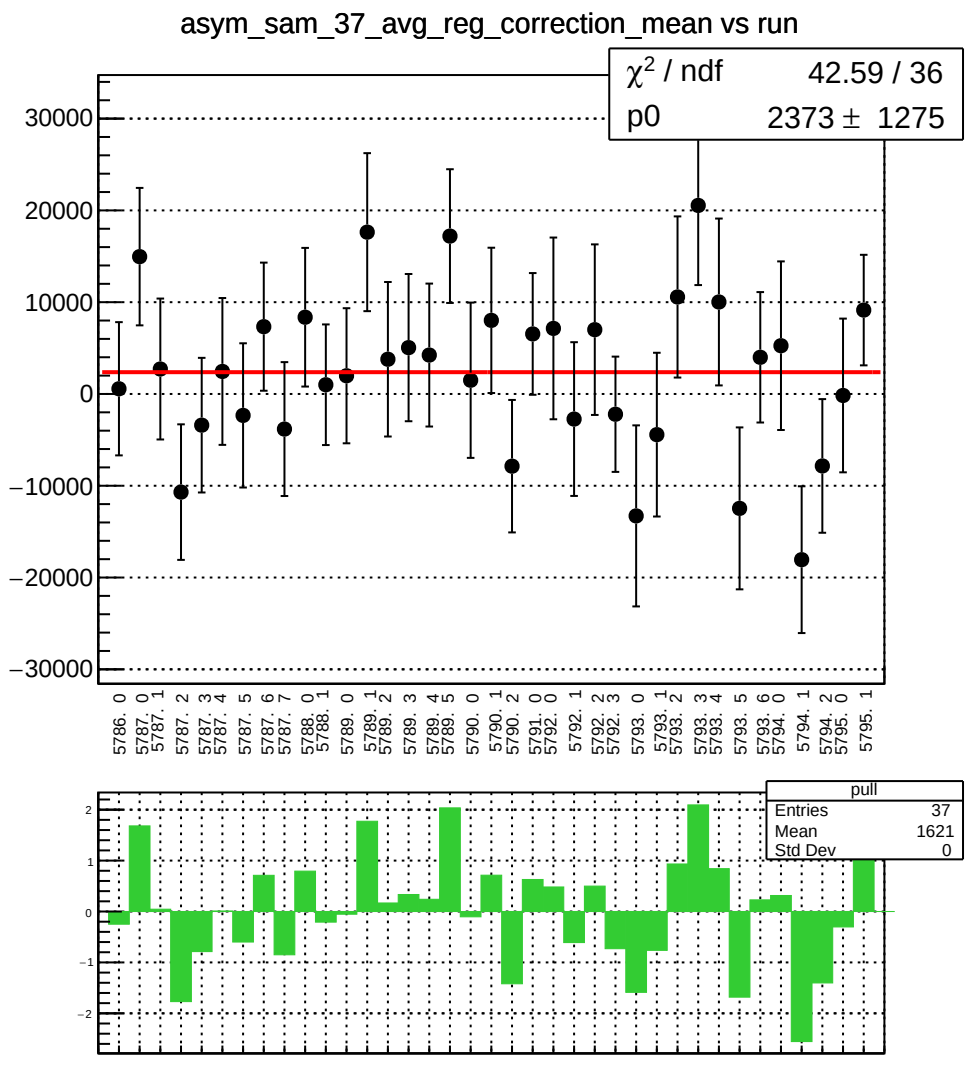

pull1D
Entries 37
Mean 0.1799
Std Dev 1.073

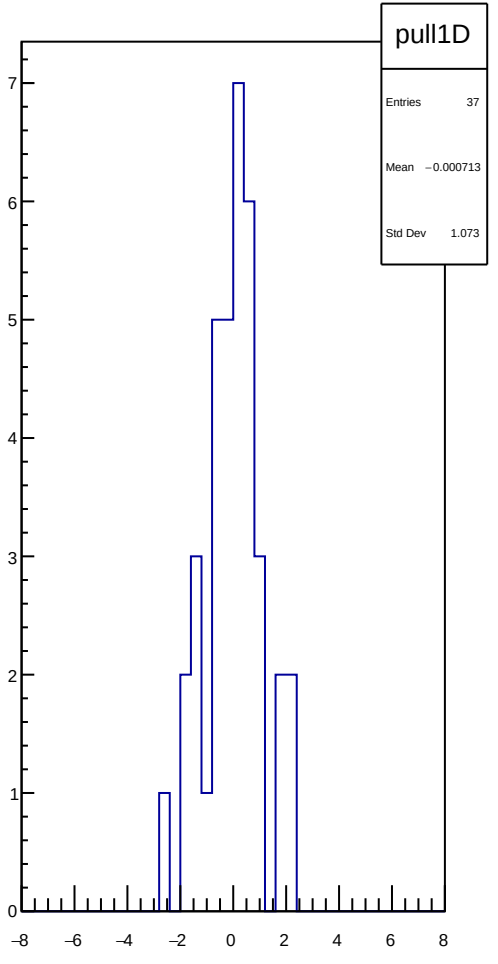

asym_sam_26_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.373e+05 / 36
p0 7.303e−11 ± 1.017e−13
0.4
0.35
0.3
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

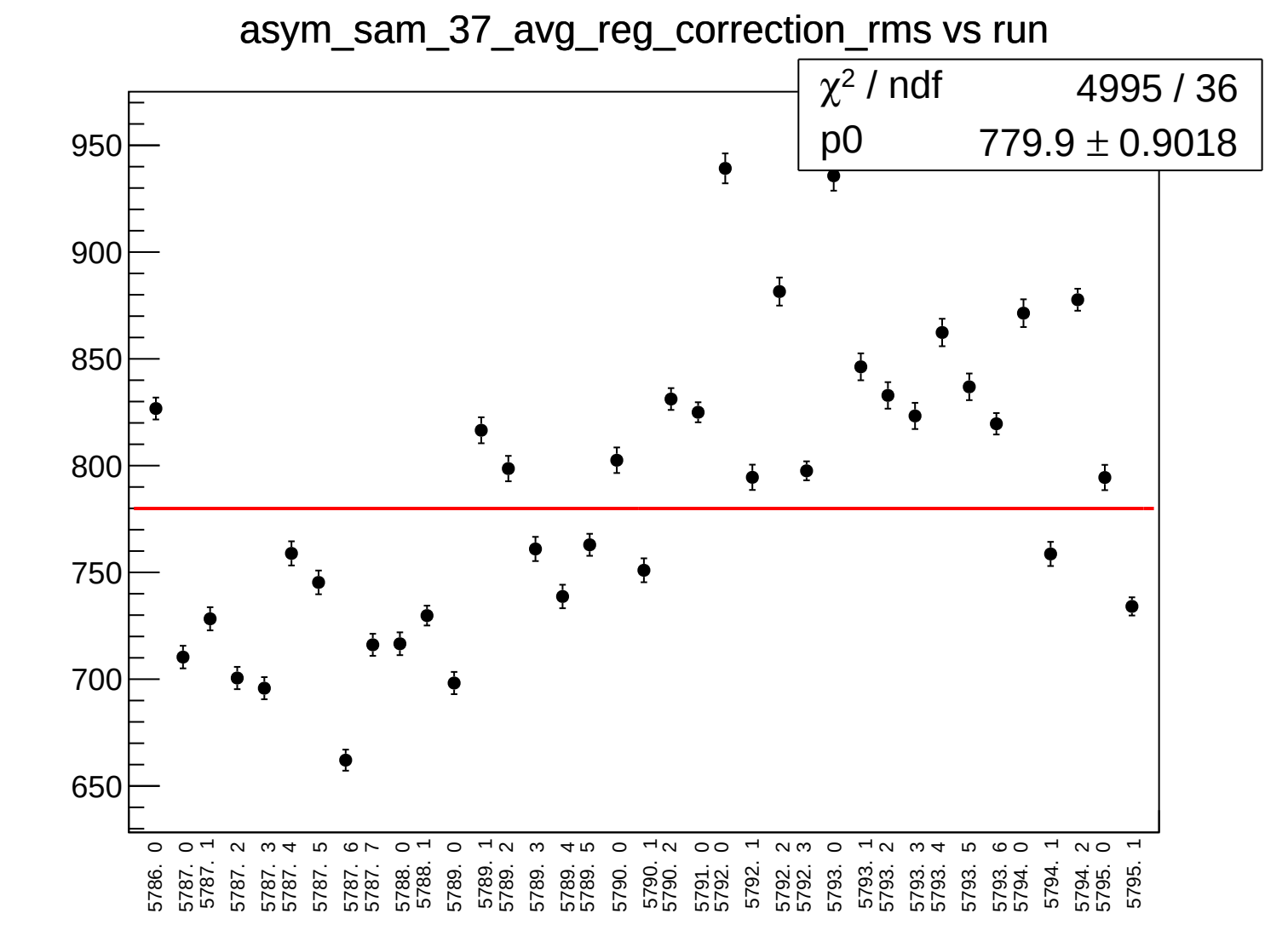

reg_asym_sam_37_avg_mean vs run
χ² / ndf 27.1 / 36
p0 −74.97 ± 102.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −898.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

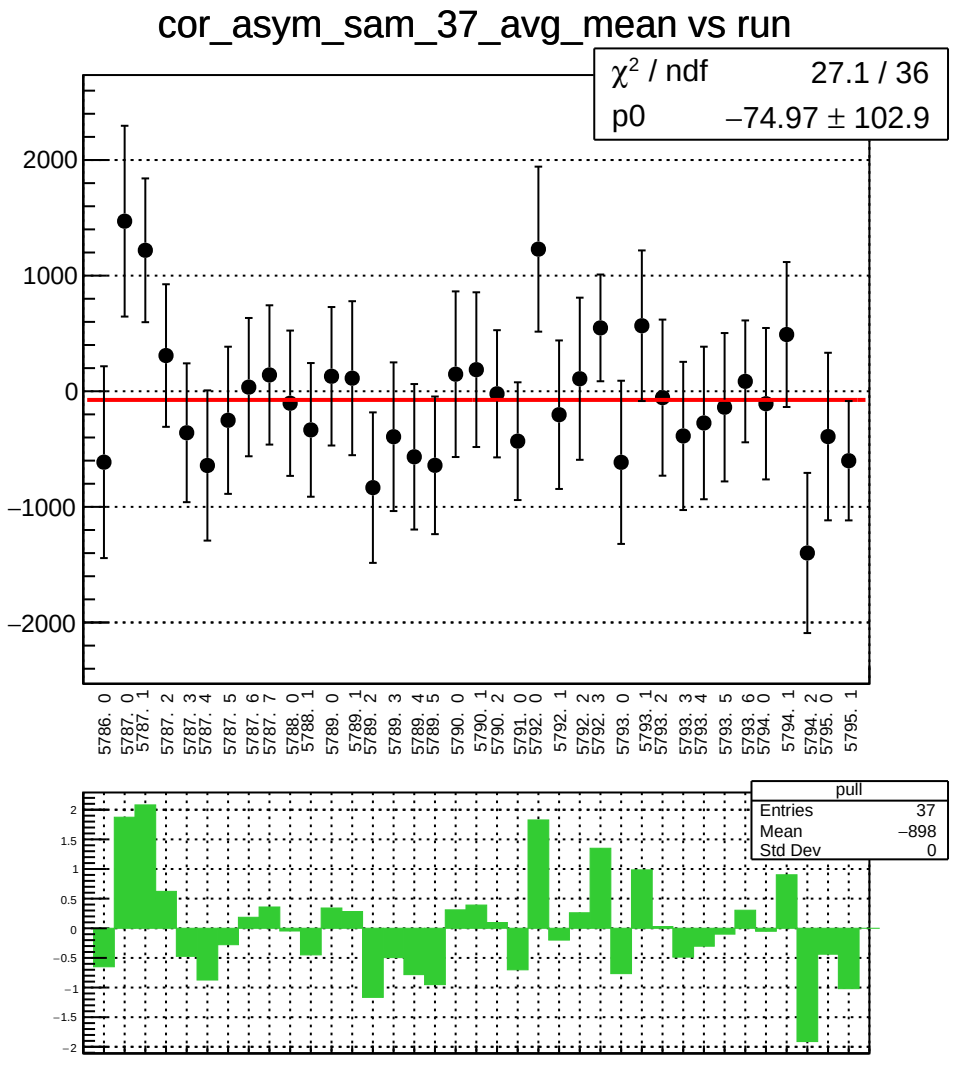

pull1D
Entries 37
Mean 0.002029
Std Dev 0.8558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

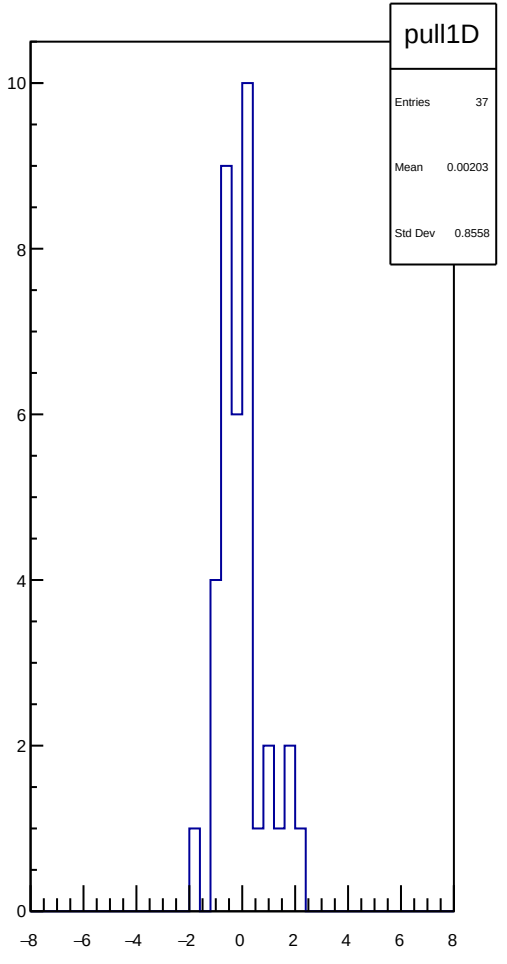

reg_asym_sam_37_avg_rms vs run
χ² / ndf 7200 / 36
p0 62.85 ± 0.07278
95
90
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

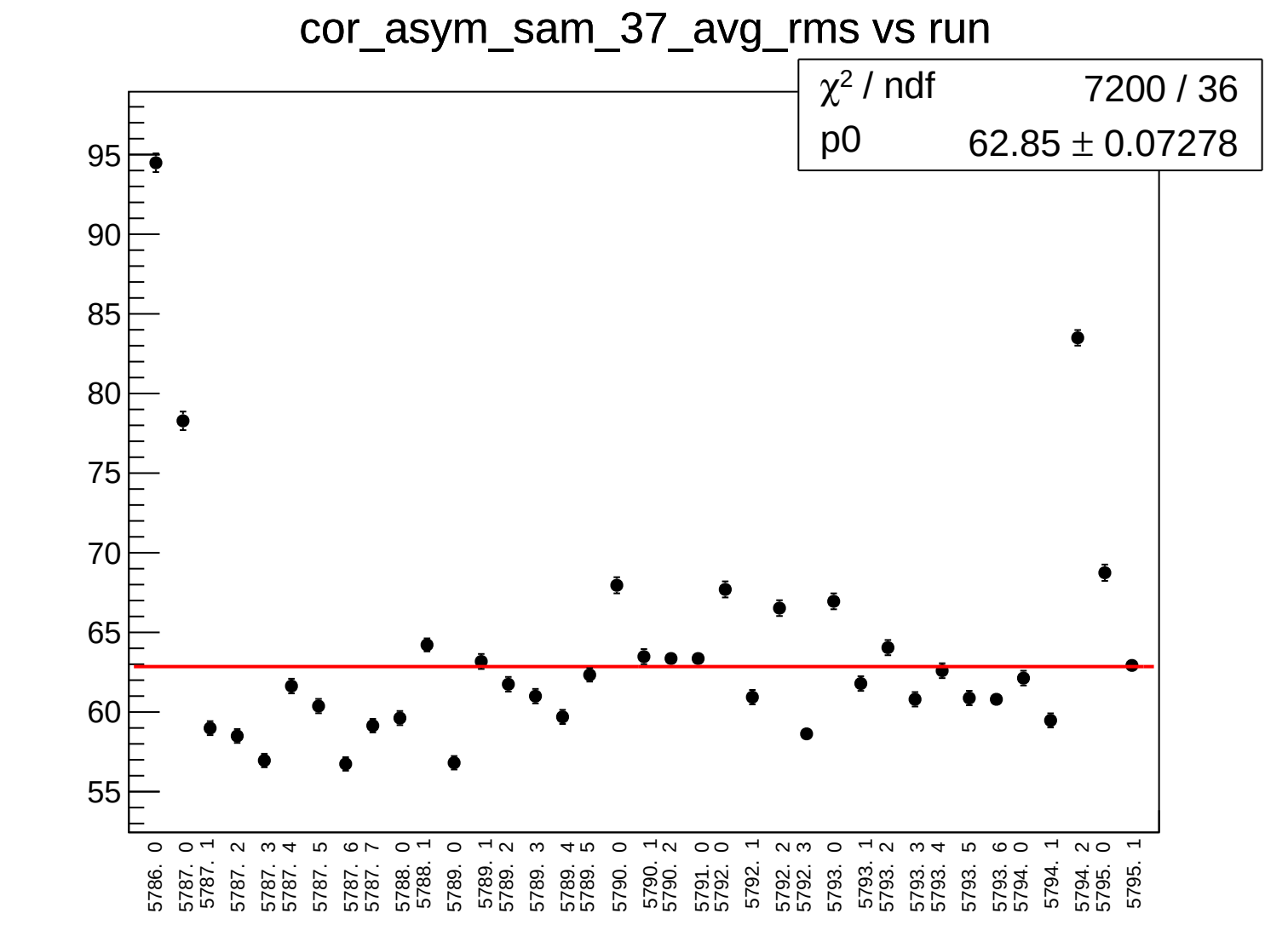

asym_sam_37_avg_reg_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2373 ± 1275
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1621
Std Dev 0
2
1
0
−1
−2

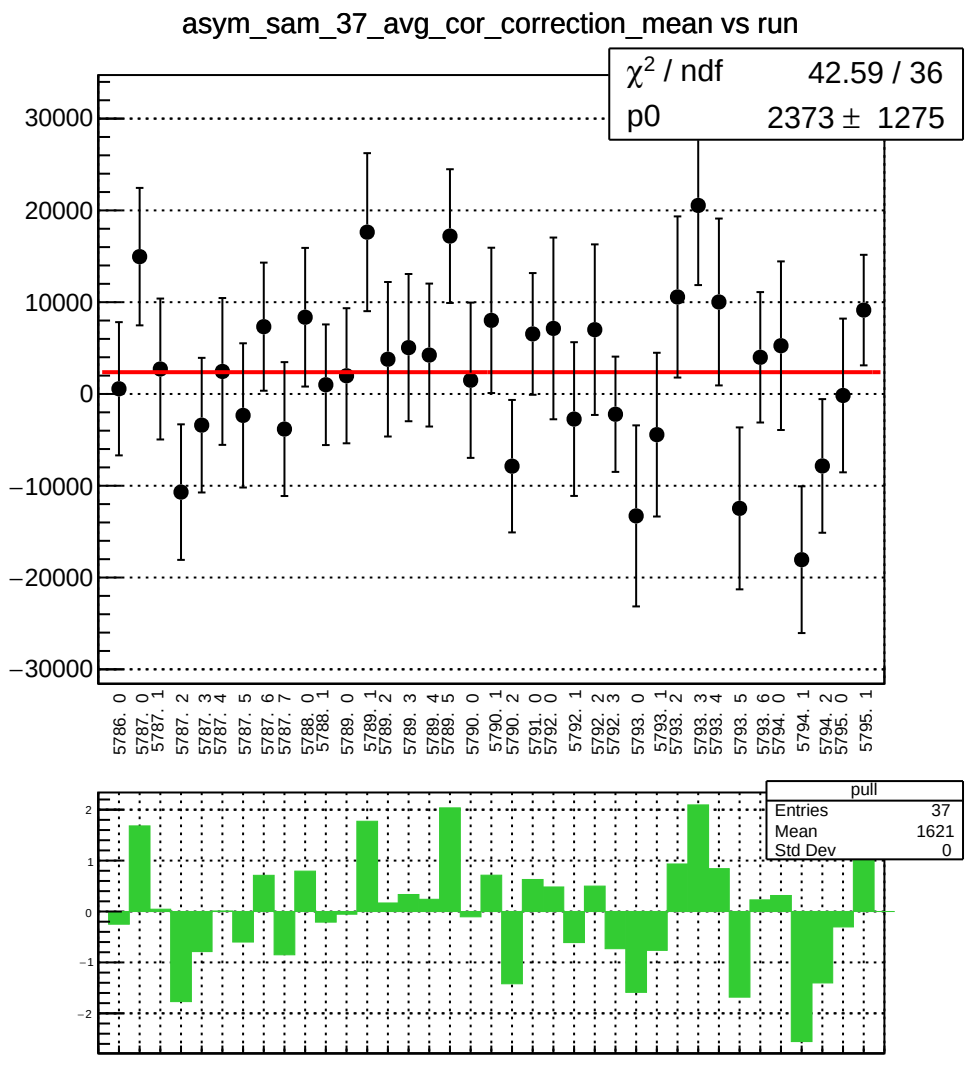

pull1D
Entries 37
Mean −0.000713
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

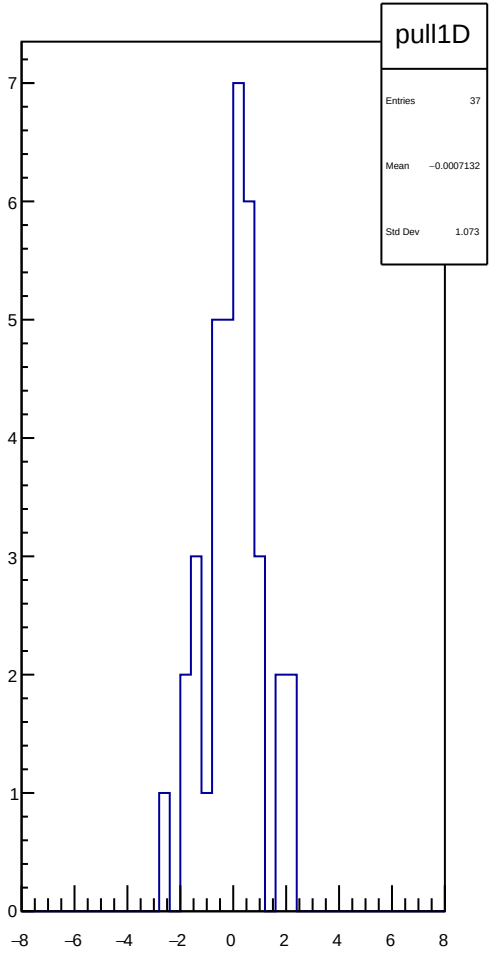

asym_sam_37_avg_reg_correction_rms vs run
χ² / ndf 4995 / 36
p0 779.9 ± 0.9018
950
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

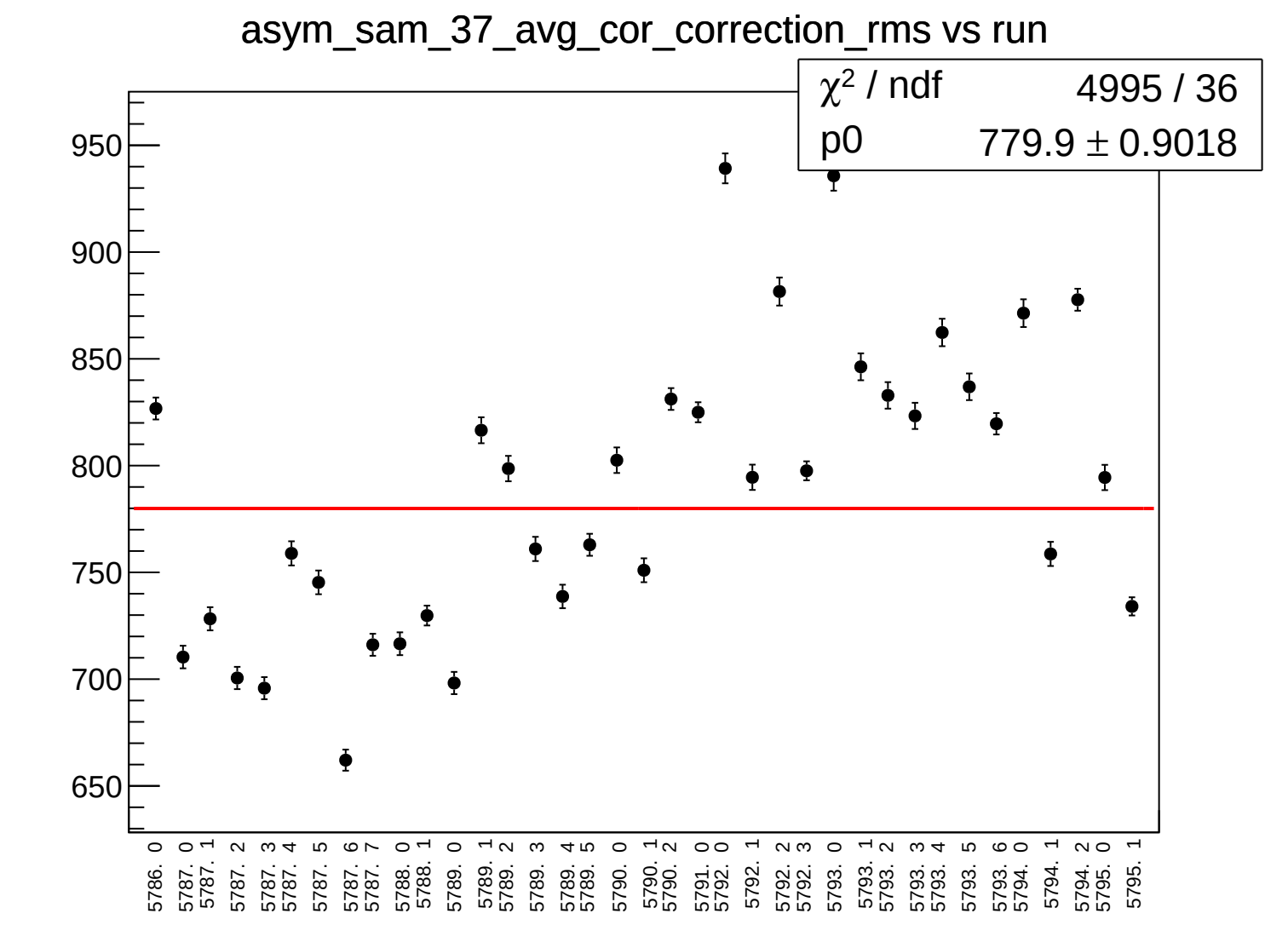

cor_asym_sam_37_avg_mean vs run
χ² / ndf 27.1 / 36
p0 −74.97 ± 102.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −898
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.00203
Std Dev 0.8558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_avg_rms vs run
χ² / ndf 7200 / 36
p0 62.85 ± 0.07278
95
90
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_cor_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2373 ± 1275
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1621
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.0007132
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_cor_correction_rms vs run
χ² / ndf 4995 / 36
p0 779.9 ± 0.9018
950
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 4
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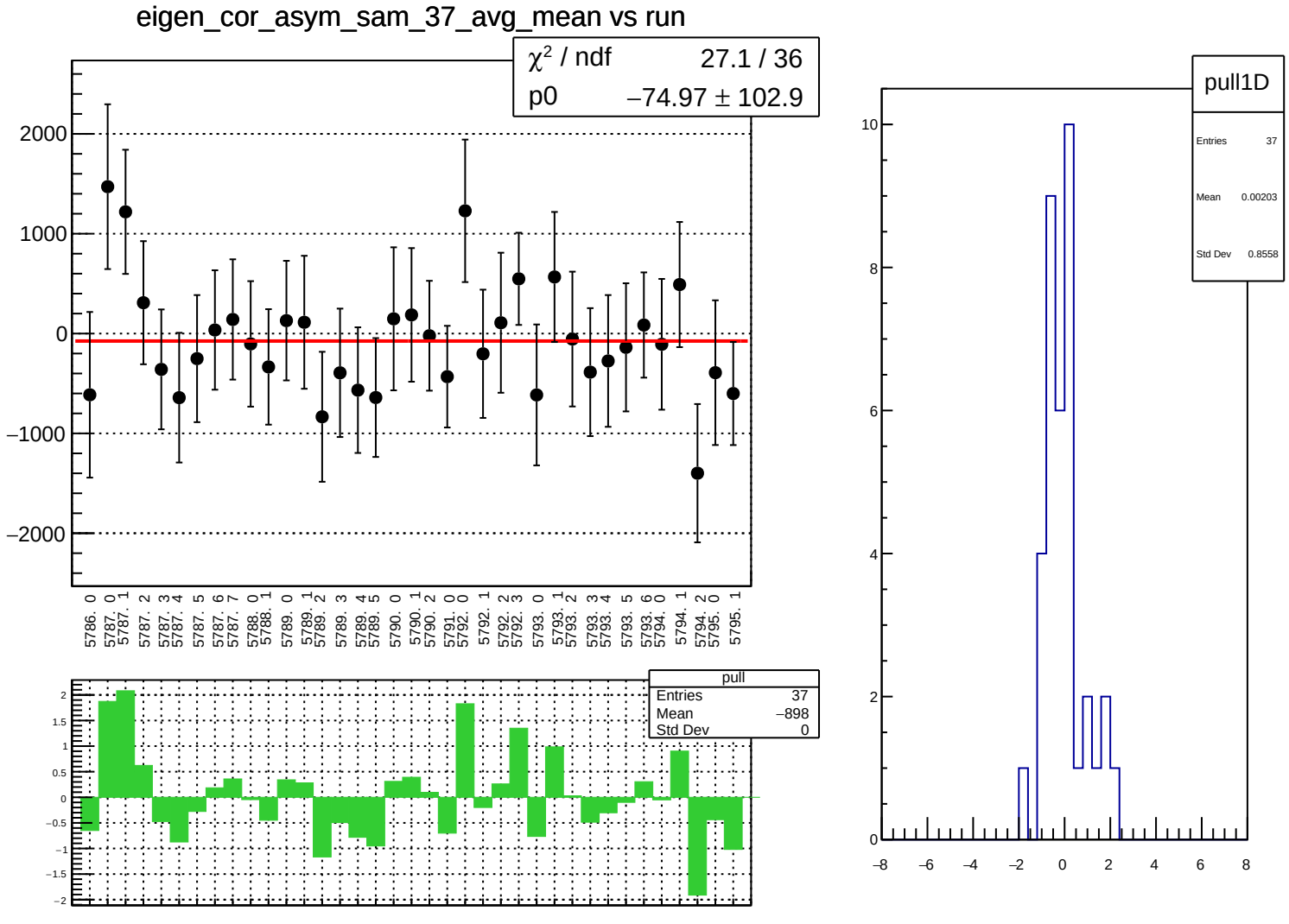
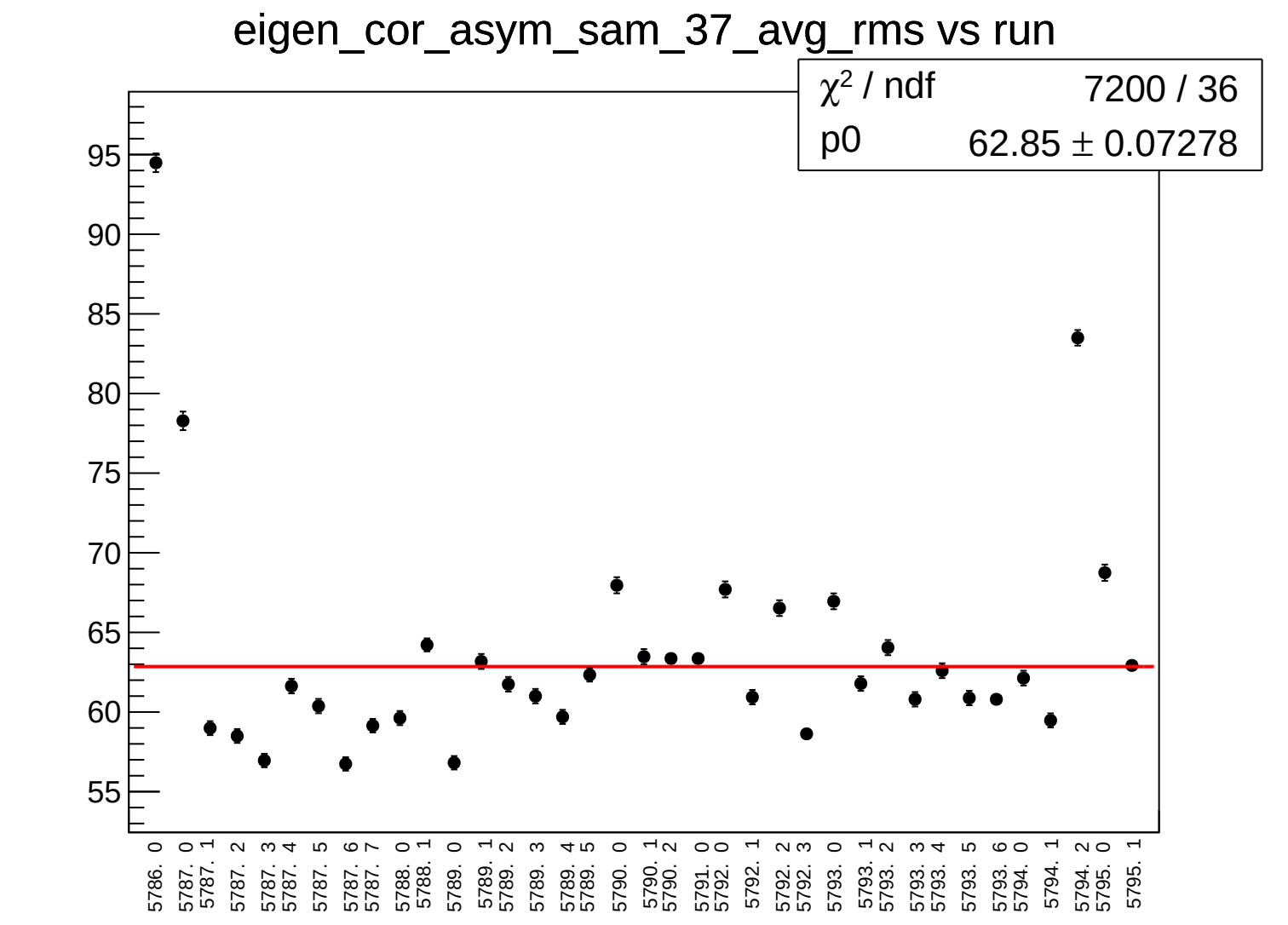
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam_37_avg_mean vs run
χ² / ndf 27.1 / 36
p0 −74.97 ± 102.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −898
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.00203
Std Dev 0.8558
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_avg_rms vs run
χ² / ndf 7200 / 36
p0 62.85 ± 0.07278
95
90
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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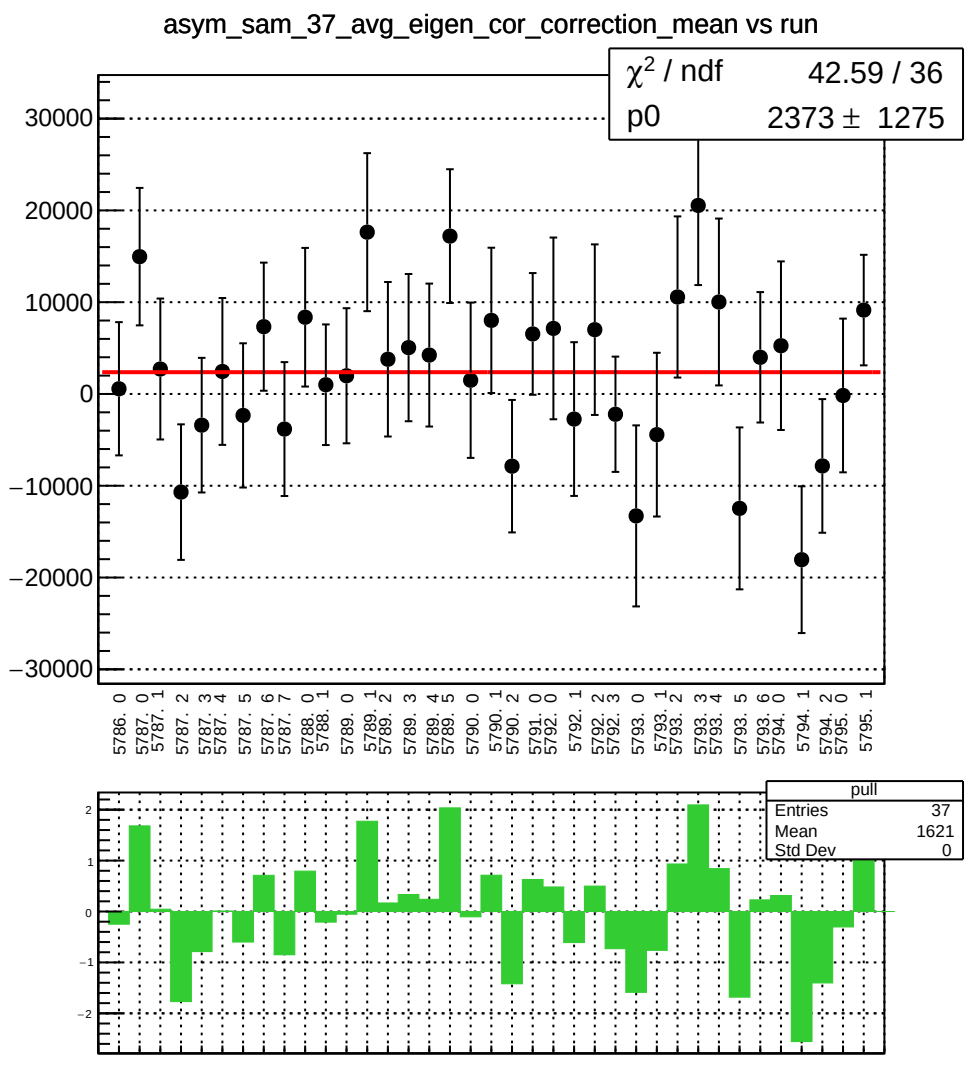
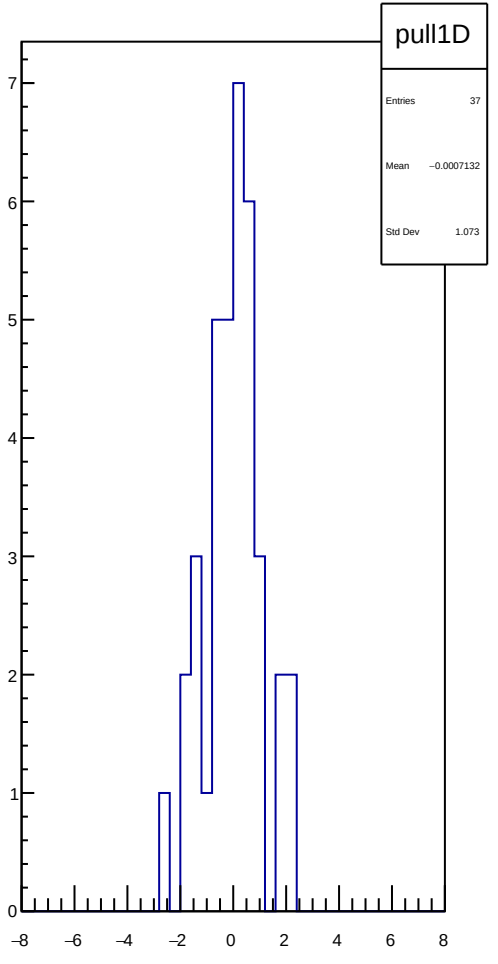
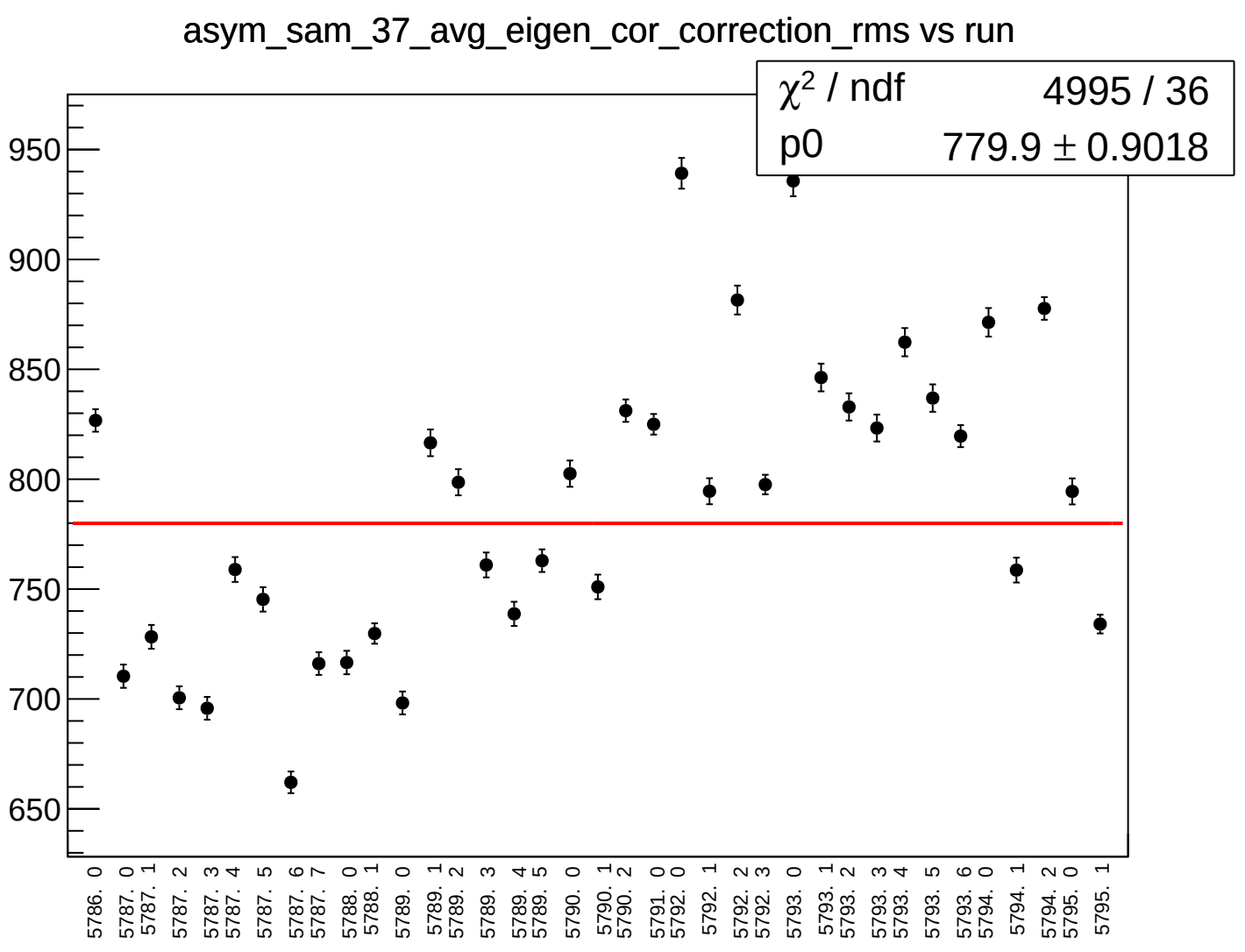
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2373 ± 1275
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1621
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.0007132
Std Dev 1.073
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_eigen_cor_correction_rms vs run
χ² / ndf 4995 / 36
p0 779.9 ± 0.9018
950
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
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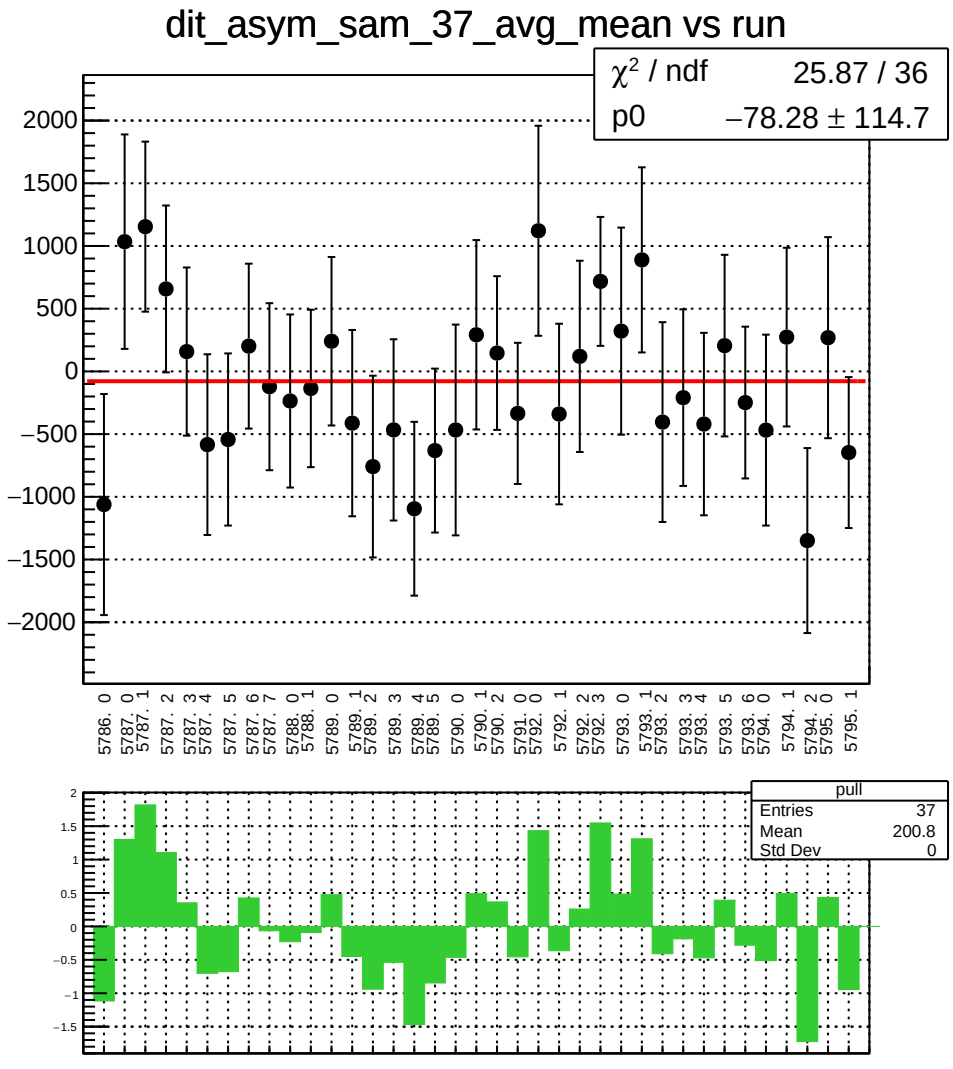
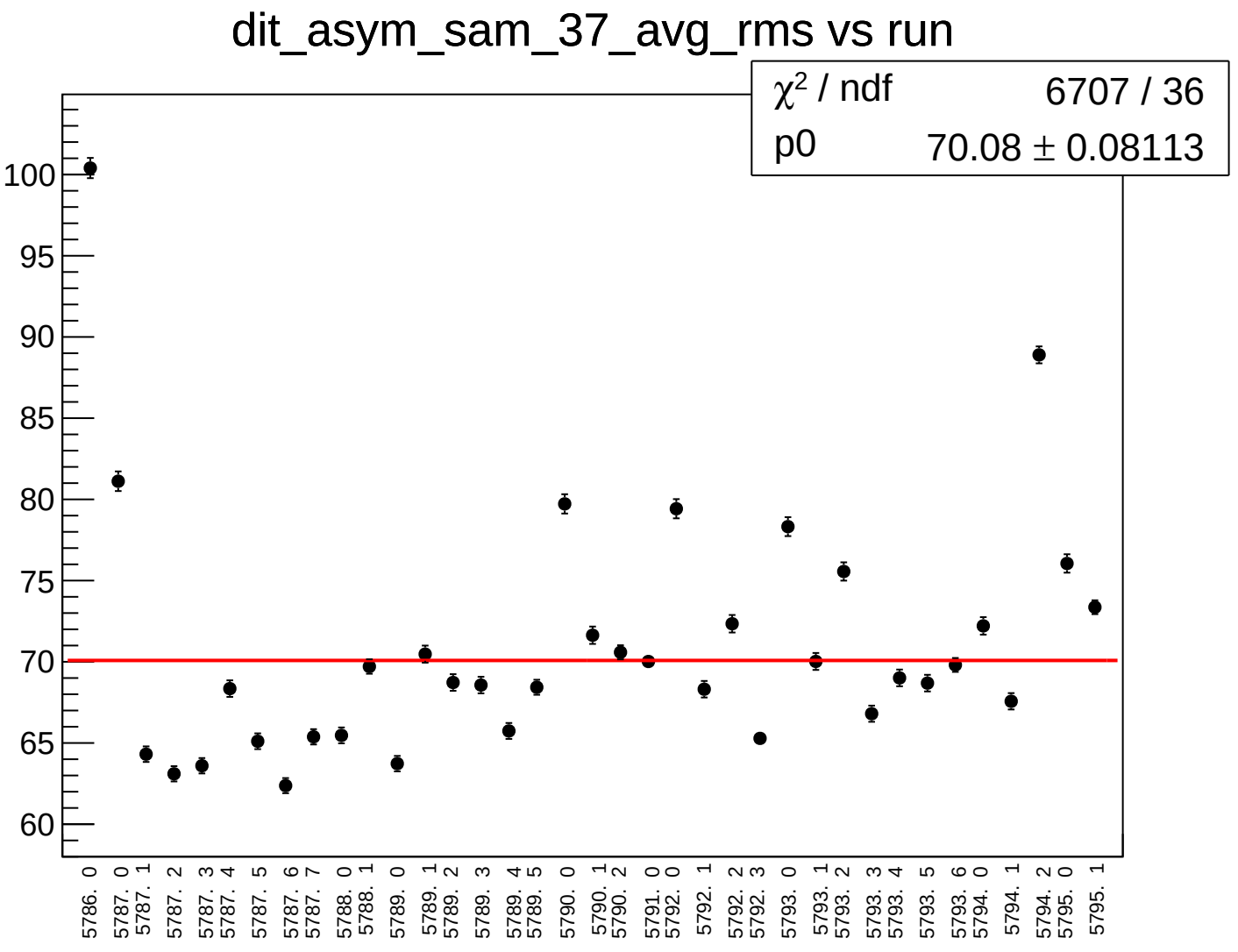
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_37_avg_mean vs run
χ² / ndf 25.87 / 36
p0 −78.28 ± 114.7
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 200.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.006485
Std Dev 0.8361
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_avg_rms vs run
χ² / ndf 6707 / 36
p0 70.08 ± 0.08113
100
95
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 6
5794. 0
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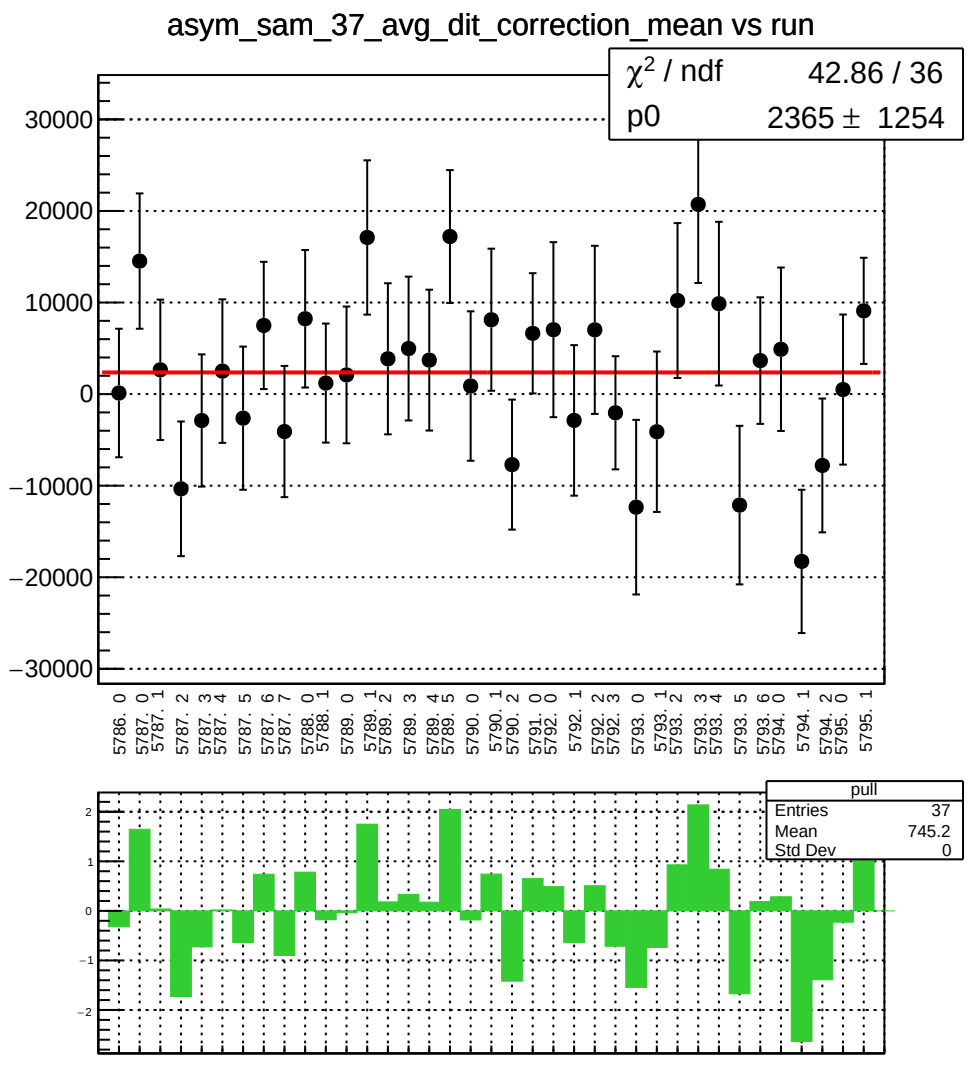
5795. 1


asym_sam_37_avg_dit_correction_mean vs run
χ² / ndf 42.86 / 36
p0 2365 ± 1254
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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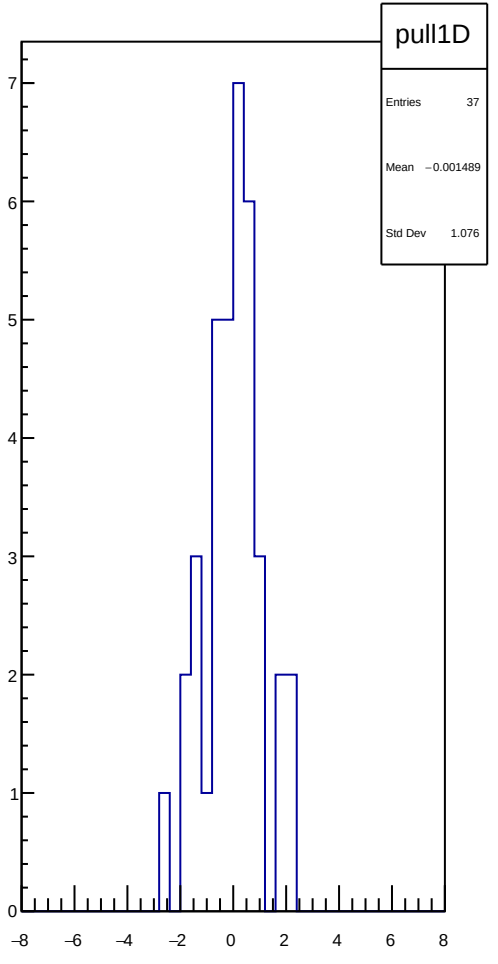
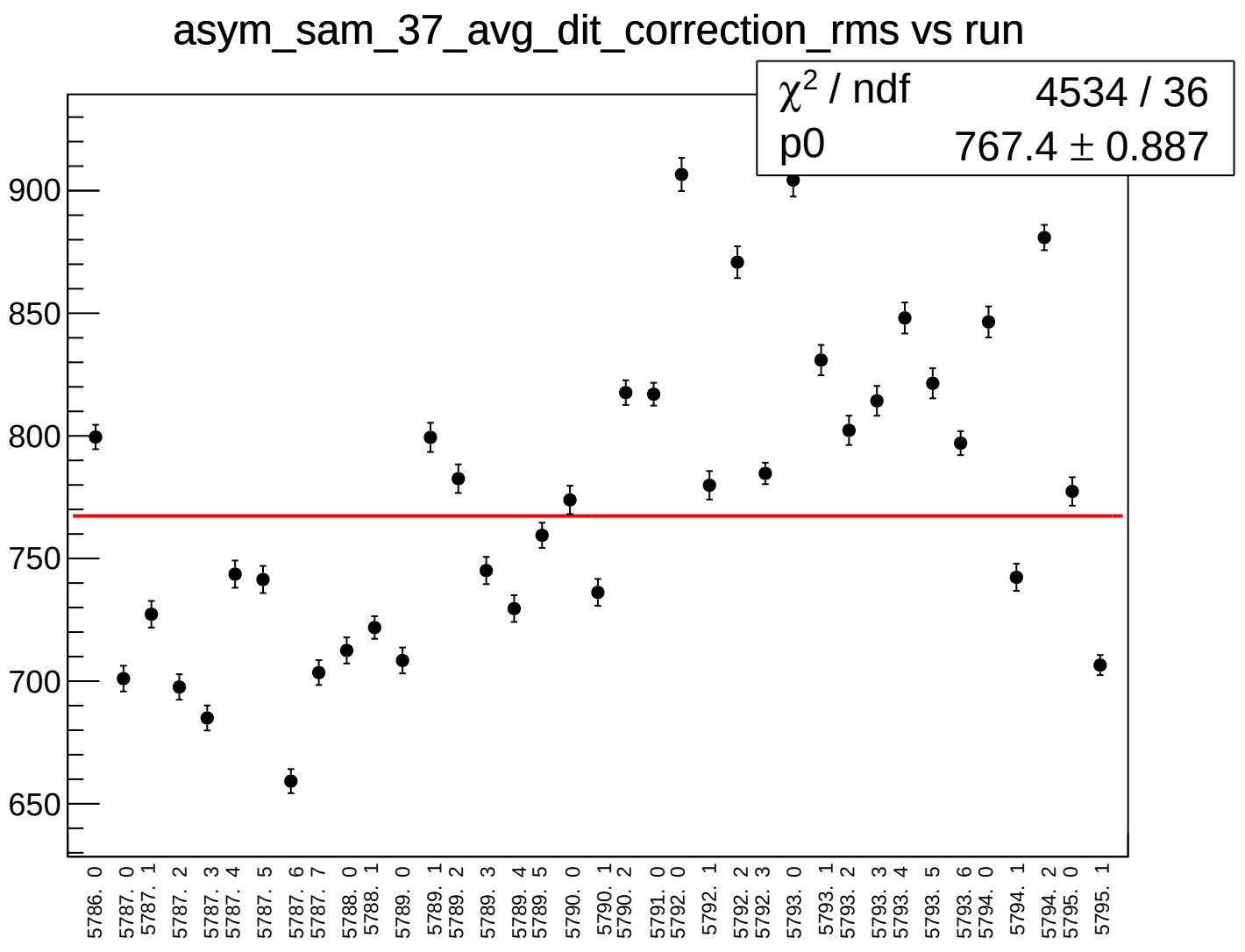
5795. 0
5795. 1
pull
Entries 37
Mean 745.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.001489
Std Dev 1.076
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_dit_correction_rms vs run
χ² / ndf 4534 / 36
p0 767.4 ± 0.887
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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5793. 0
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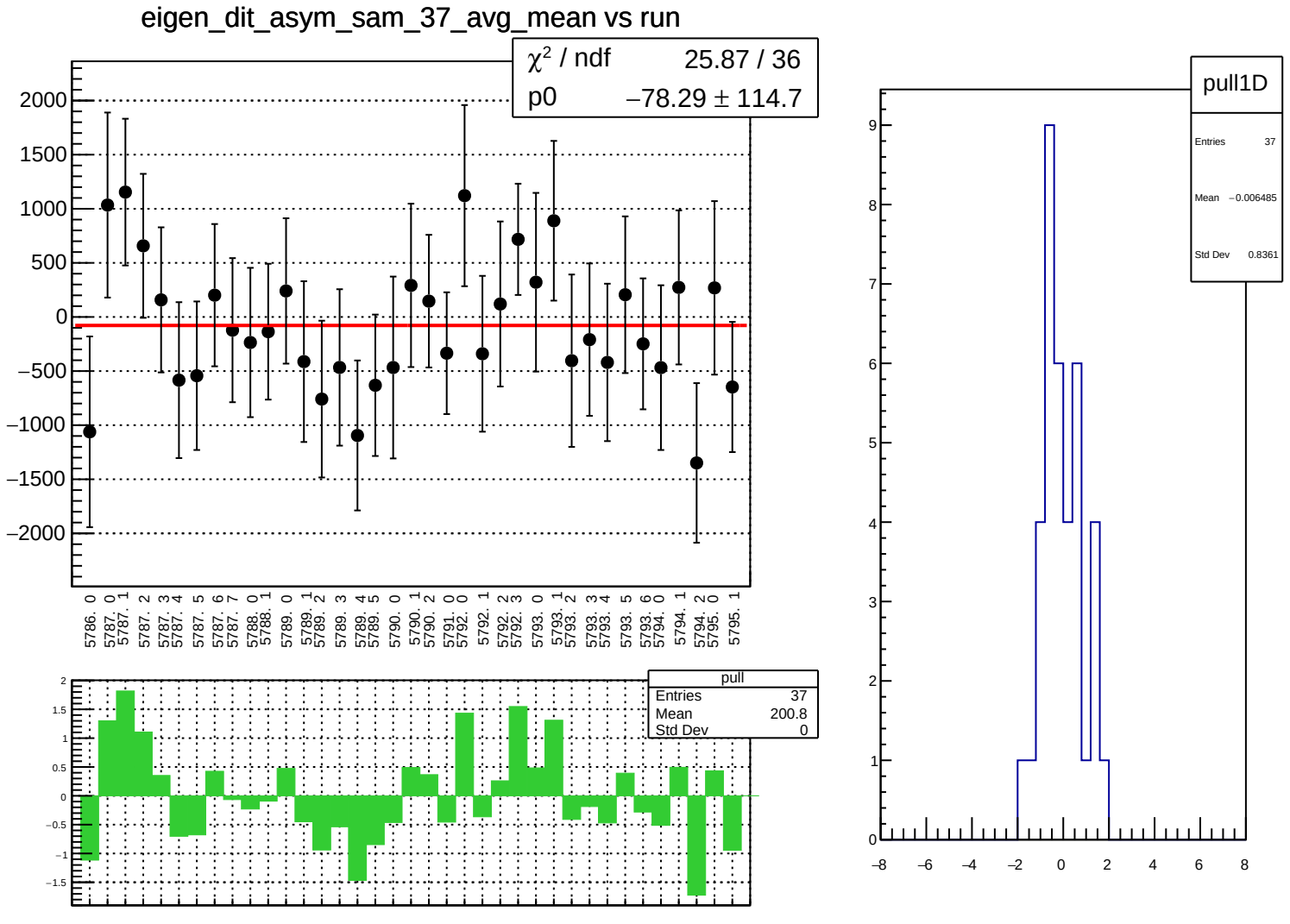
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam_37_avg_mean vs run
χ² / ndf 25.87 / 36
p0 −78.29 ± 114.7
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 200.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.006485
Std Dev 0.8361
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
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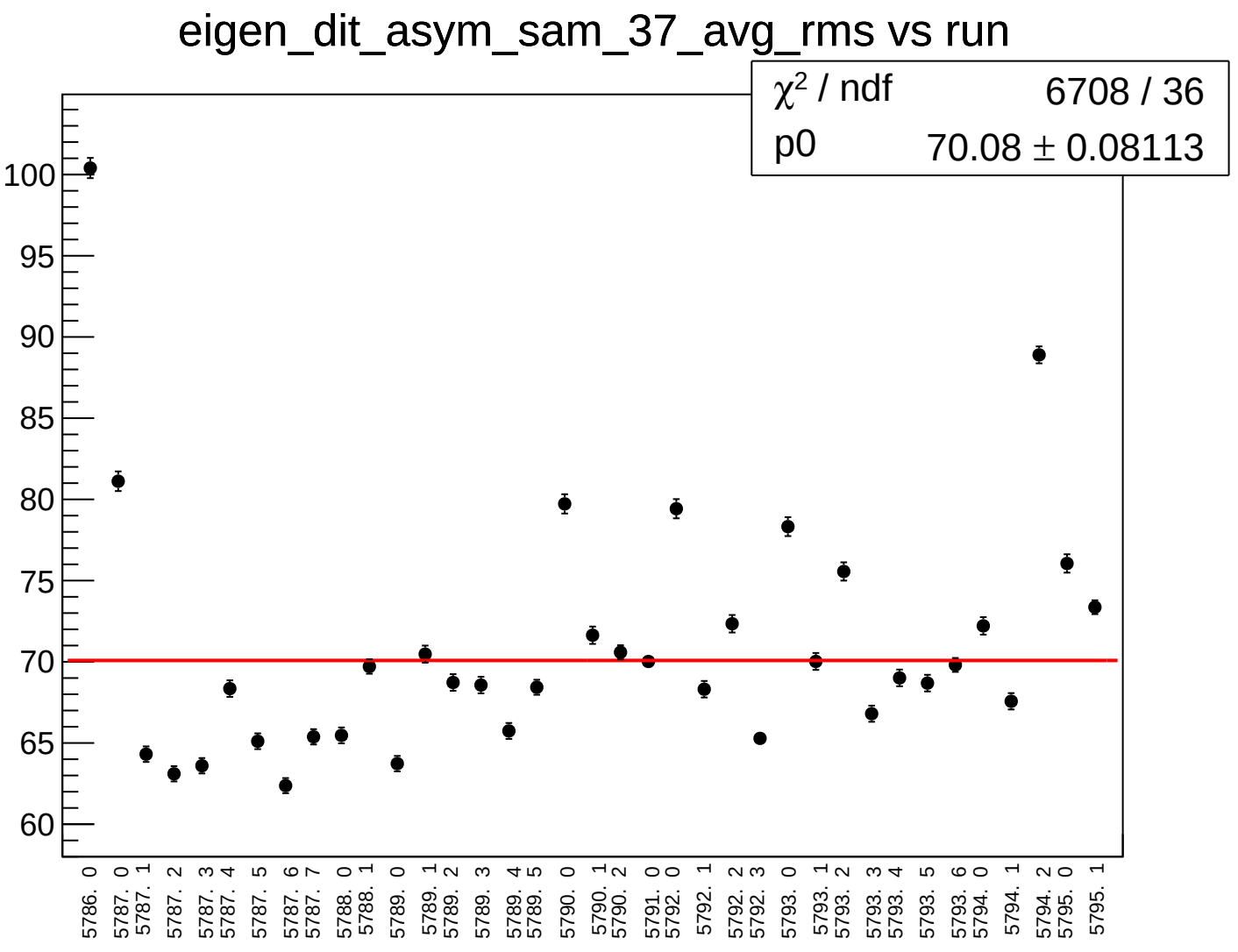
0
2
4
6
8


eigen_dit_asym_sam_37_avg_rms vs run
χ² / ndf 6708 / 36
p0 70.08 ± 0.08113
100
95
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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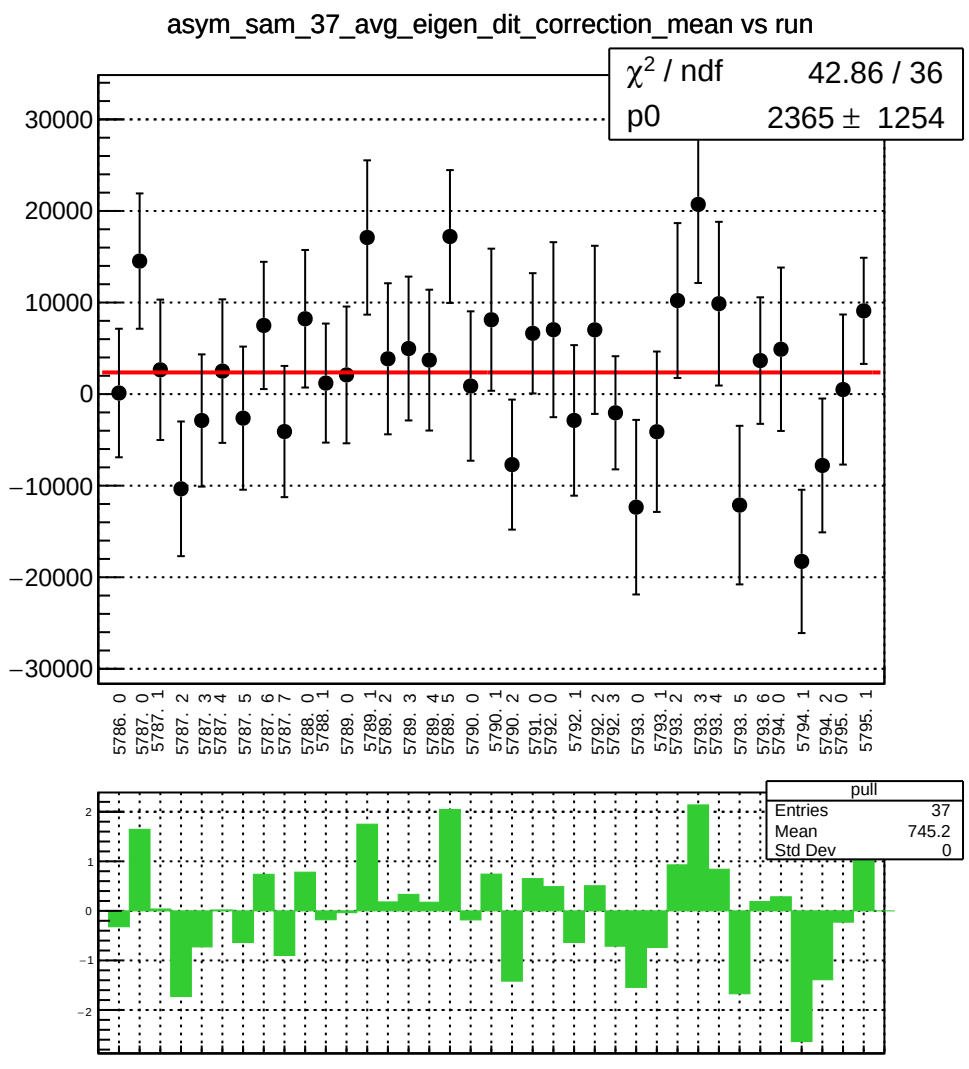
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.86 / 36
p0 2365 ± 1254
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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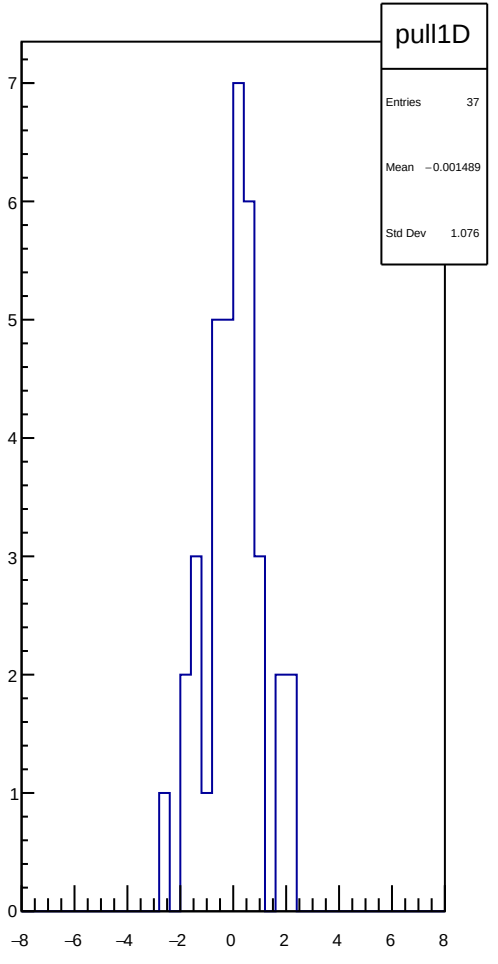
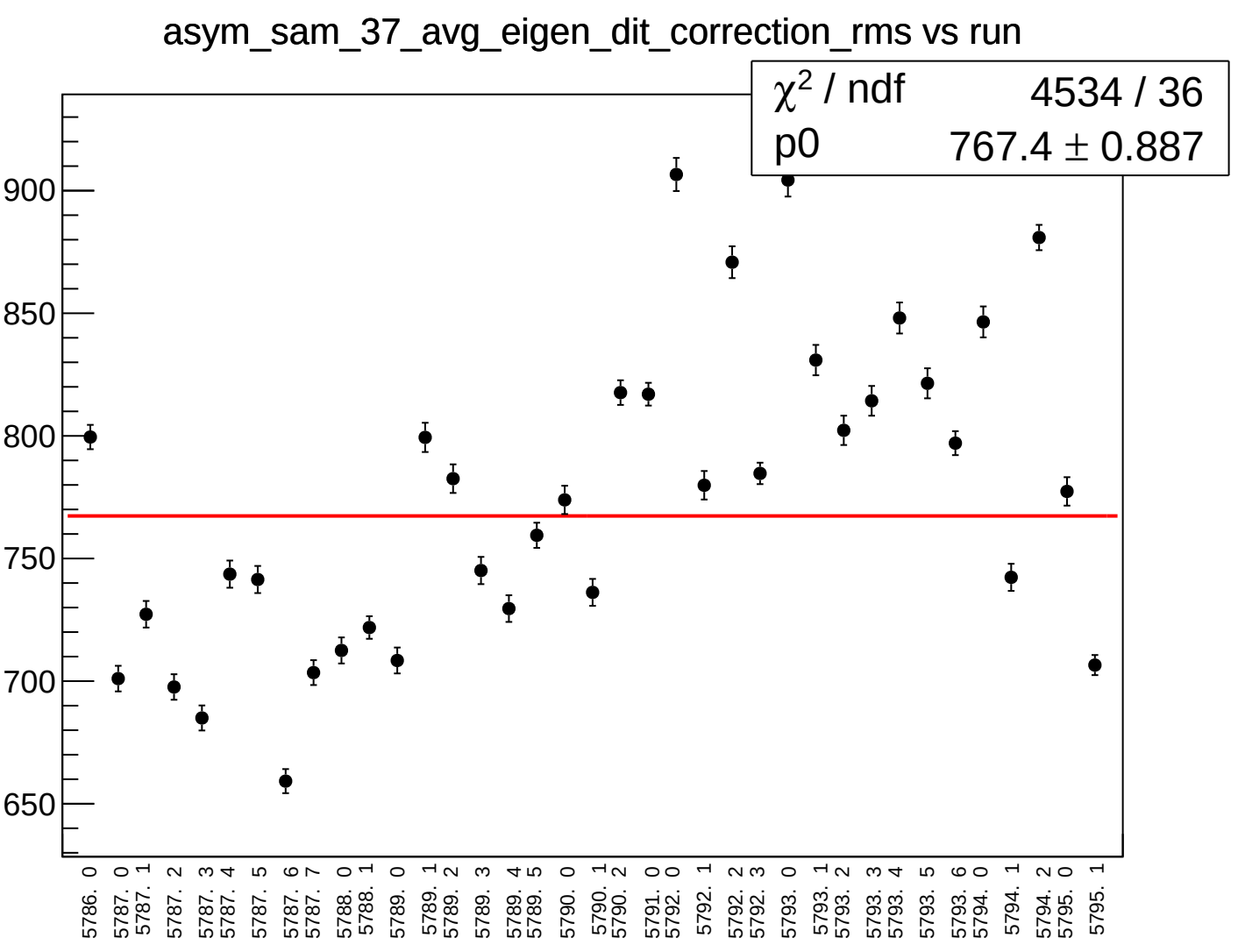
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 745.2
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.001489
Std Dev 1.076
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 4534 / 36
p0 767.4 ± 0.887
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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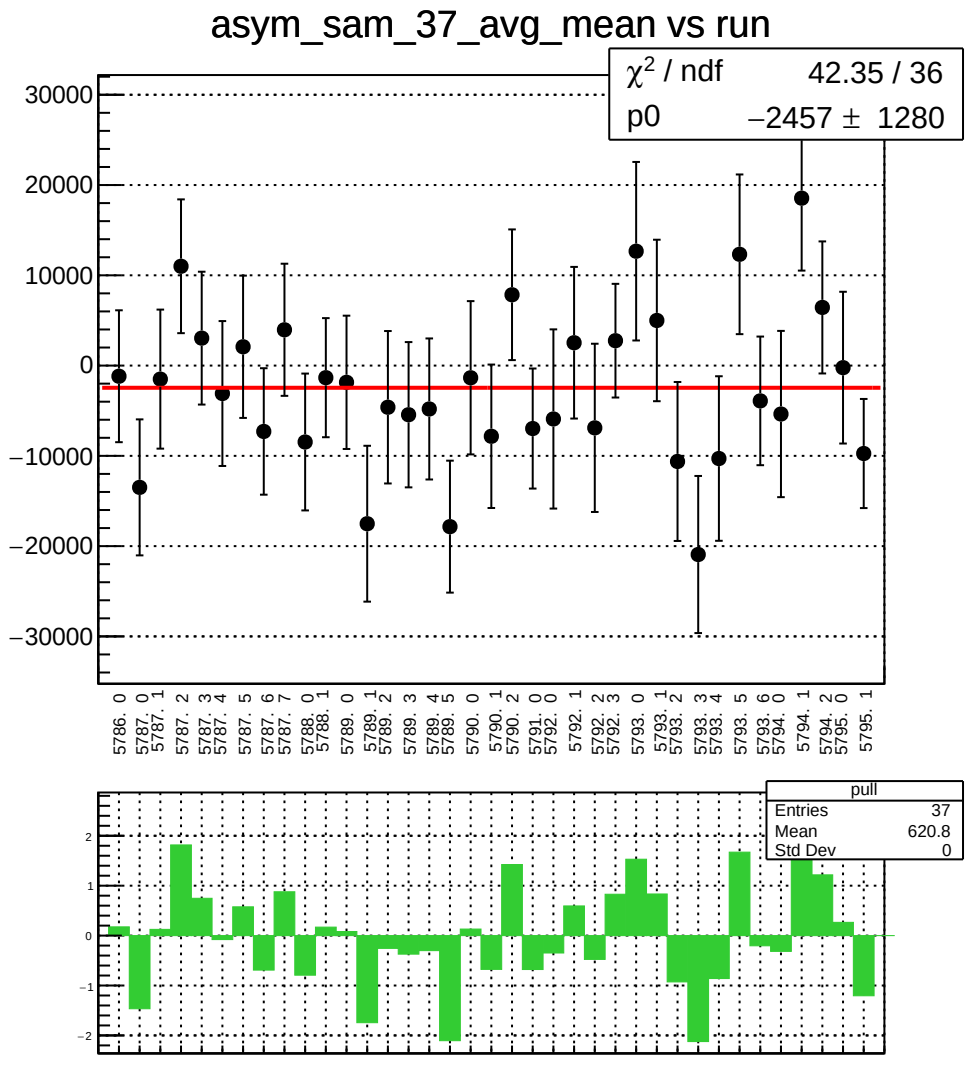
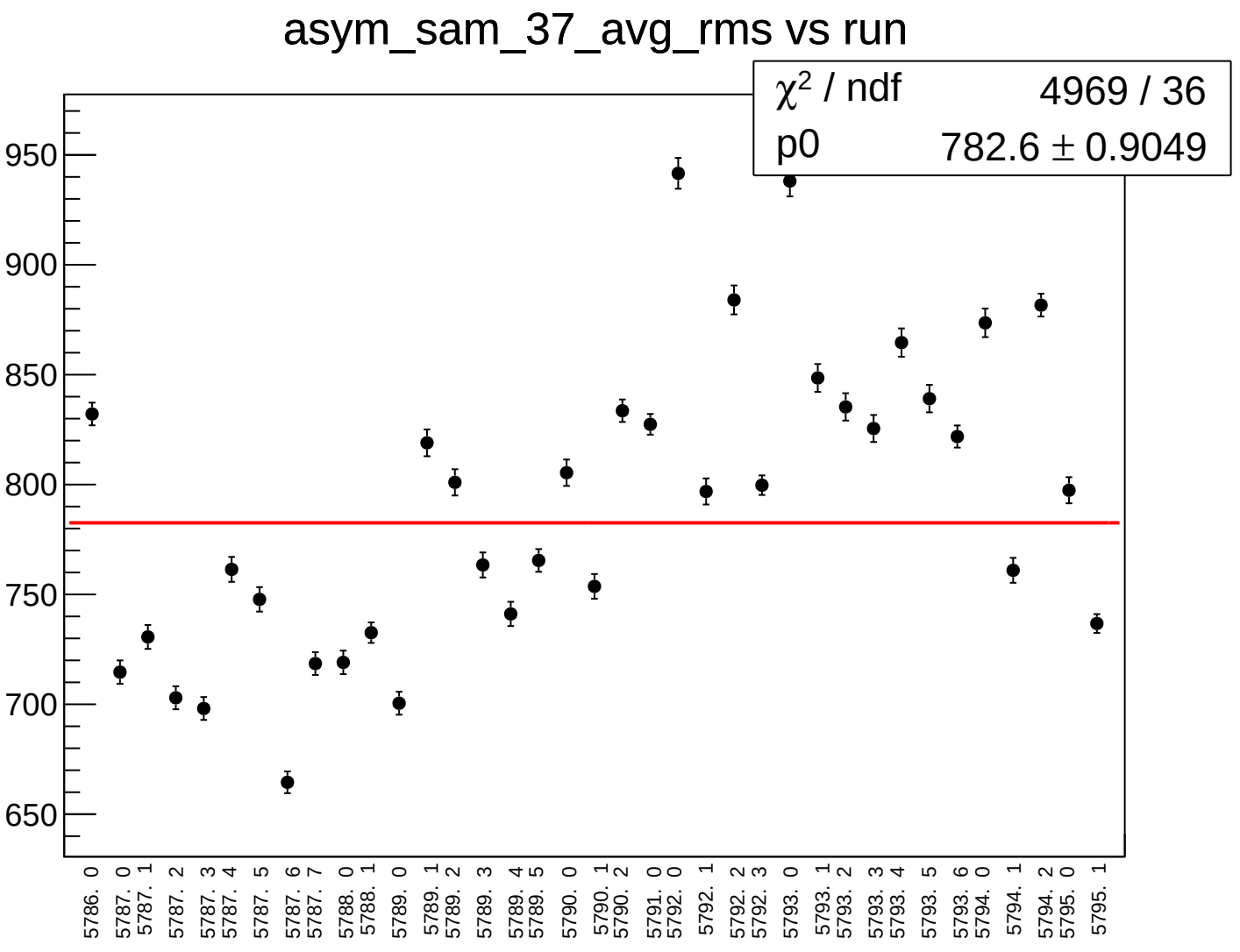
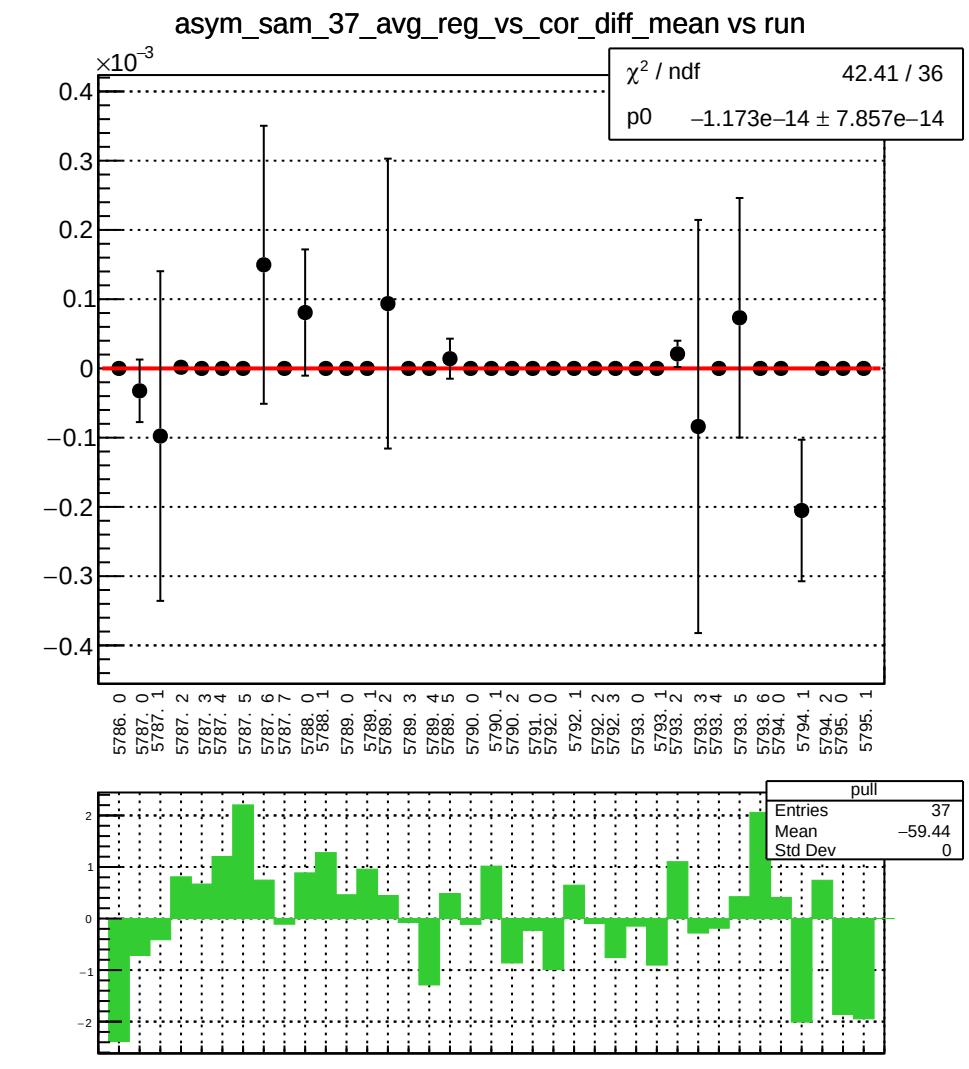
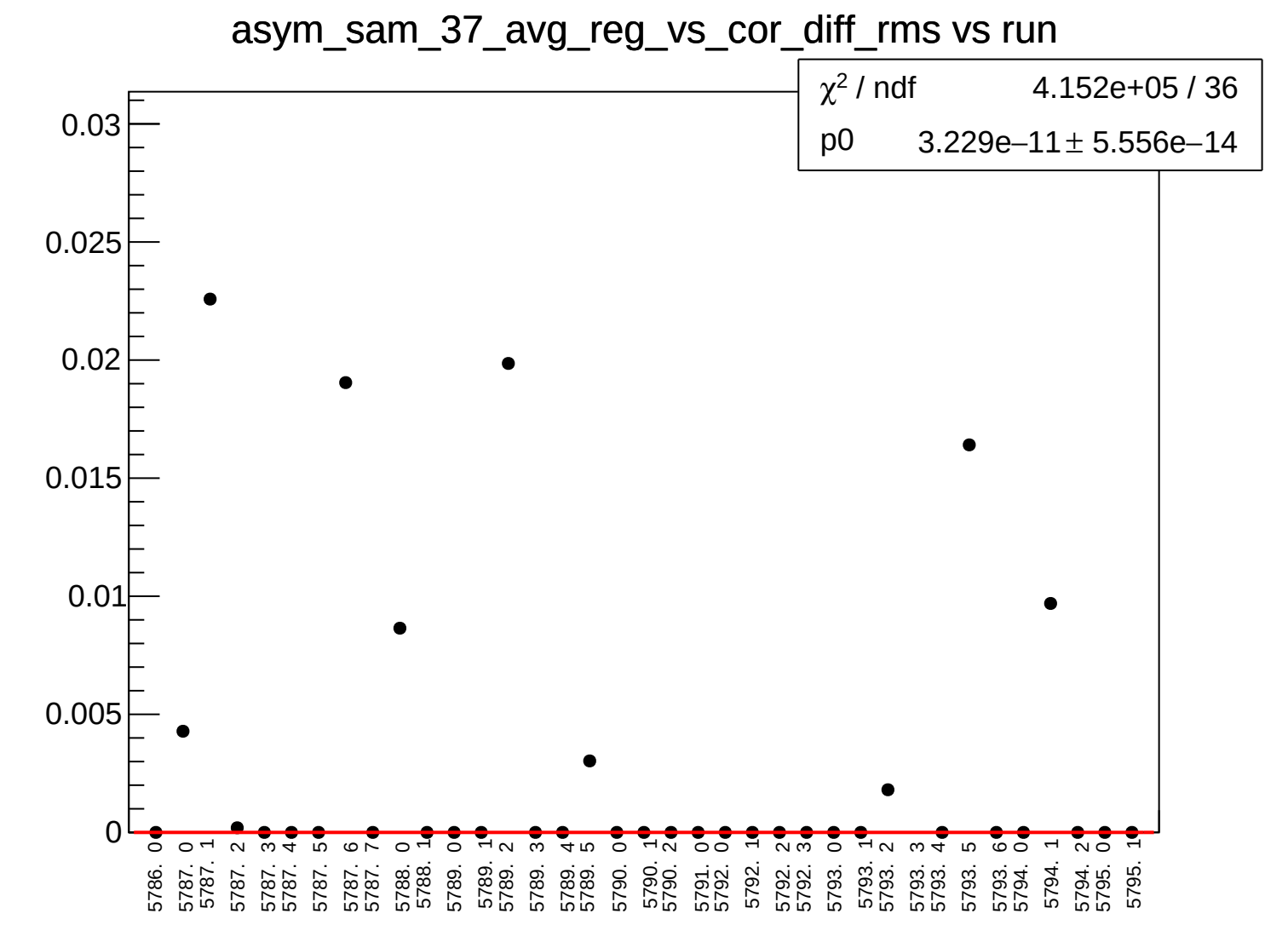
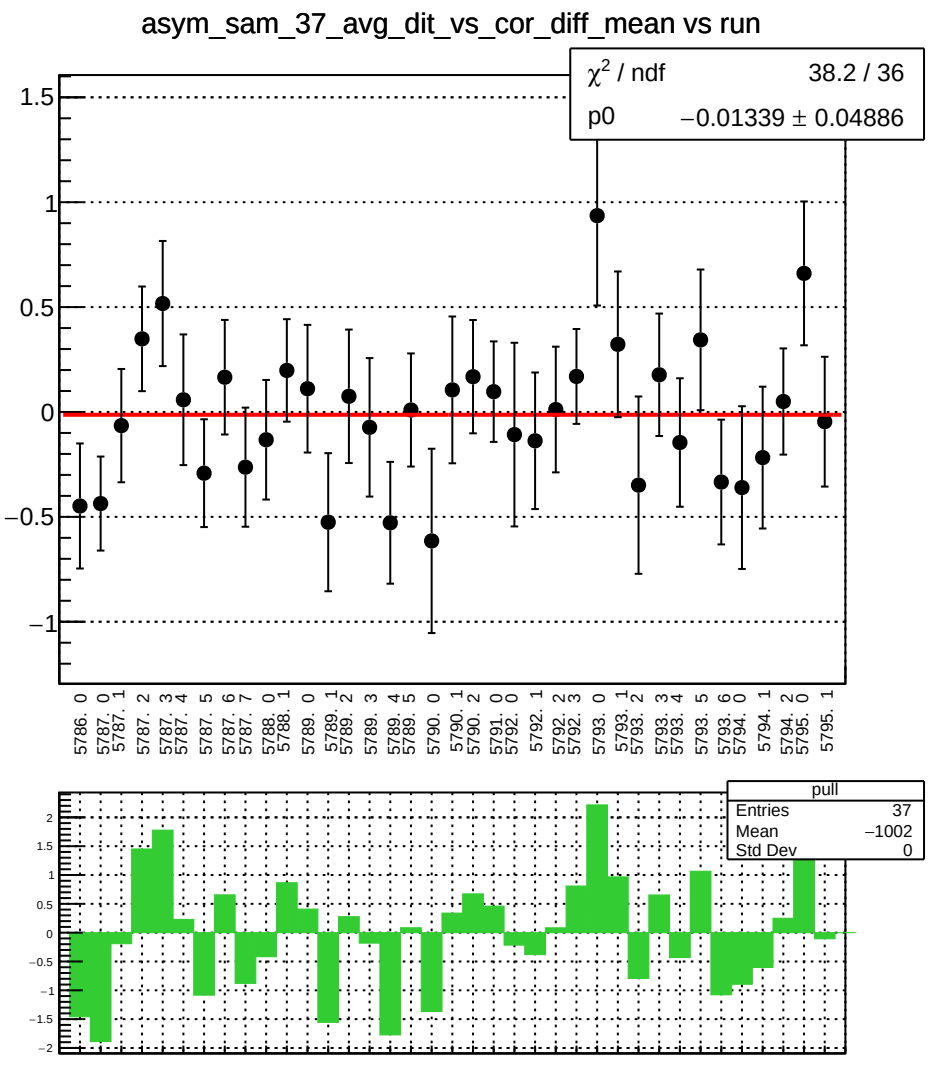
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

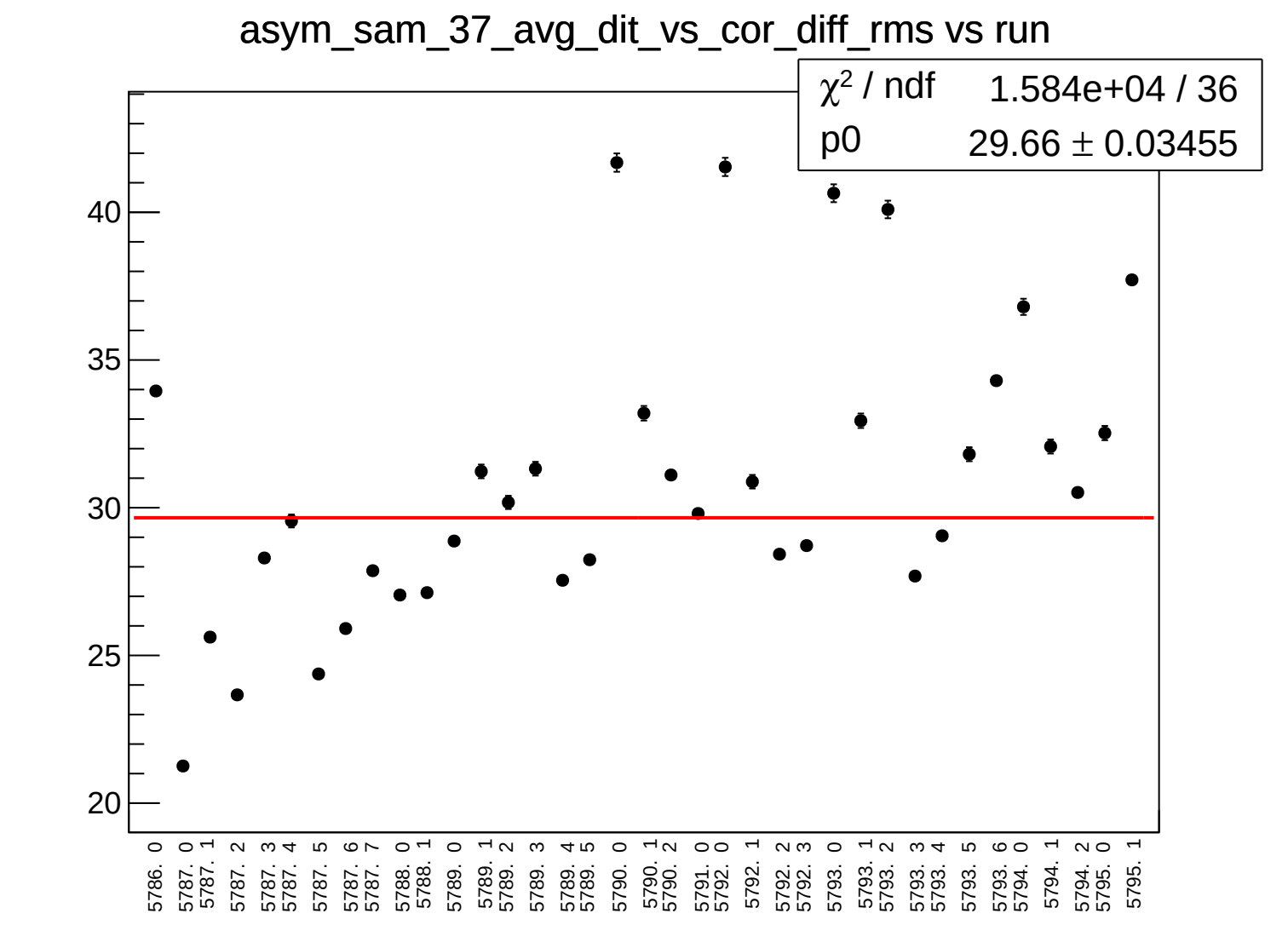

asym_sam_37_avg_mean vs run
χ² / ndf 42.35 / 36
p0 −2457 ± 1280
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 620.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.001584
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_rms vs run
χ² / ndf 4969 / 36
p0 782.6 ± 0.9049
950
900
850
800
750
700
650
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 42.41 / 36
p0 −1.173e−14 ± 7.857e−14
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −59.44
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03203
Std Dev 1.07
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.152e+05 / 36
p0 3.229e−11 ± 5.556e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 38.2 / 36
p0 −0.01339 ± 0.04886
1.5
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1002
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001874
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 36
p0 29.66 ± 0.03455
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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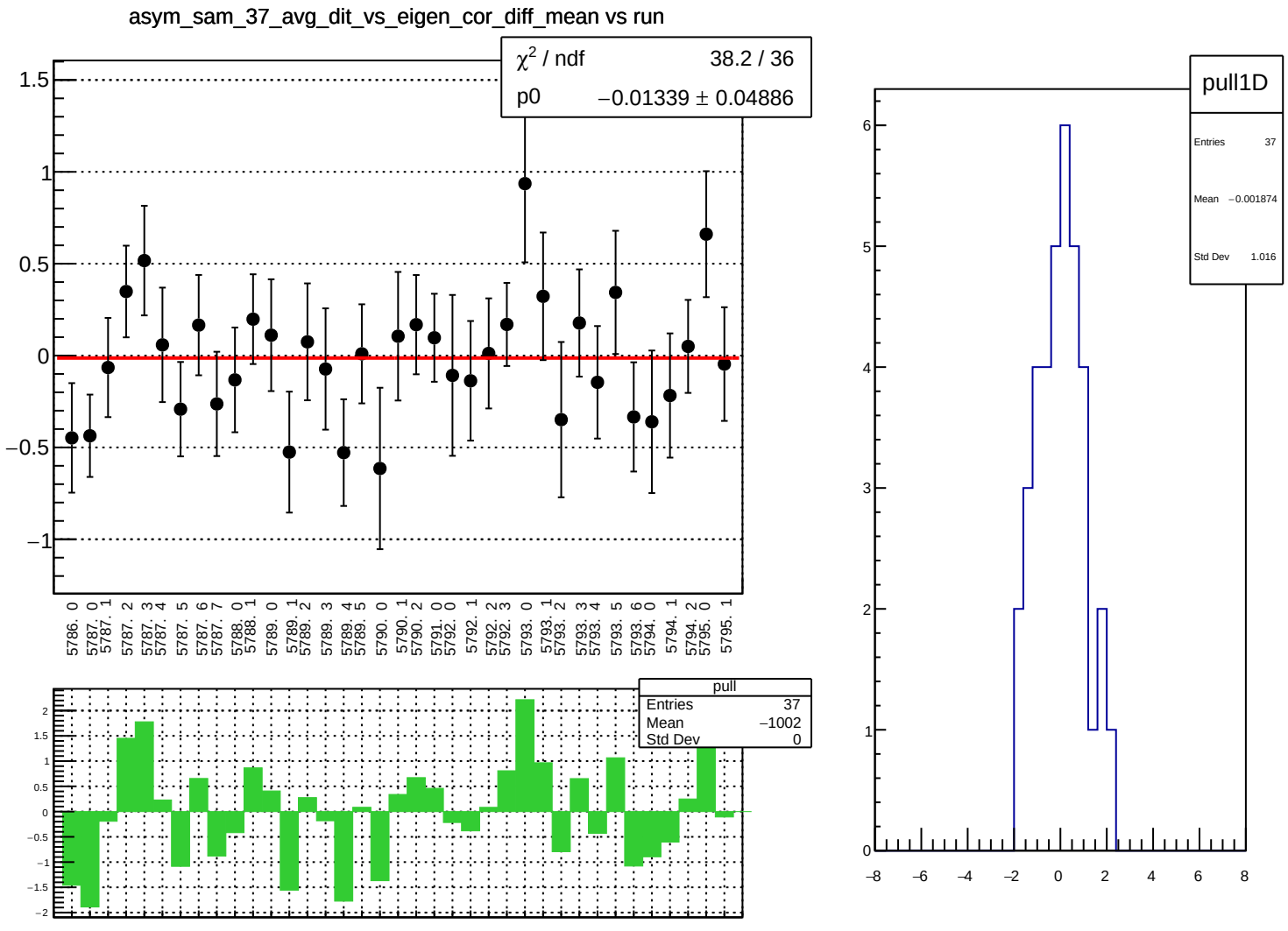
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.2 / 36
p0 −0.01339 ± 0.04886
1.5
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1002
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001874
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
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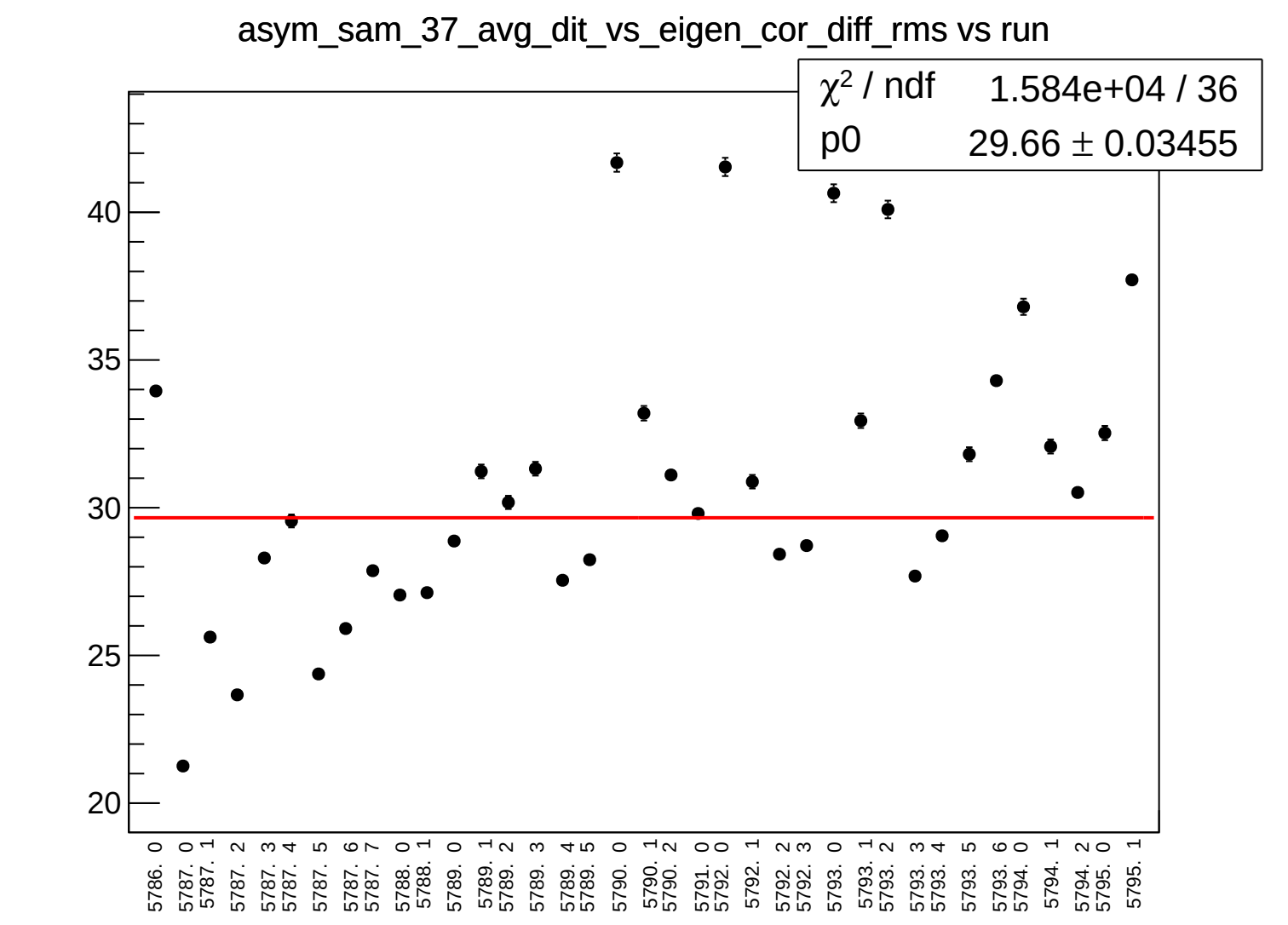
2
4
6
8


asym_sam_37_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 36
p0 29.66 ± 0.03455
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
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5788. 1
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5789. 5
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5790. 2
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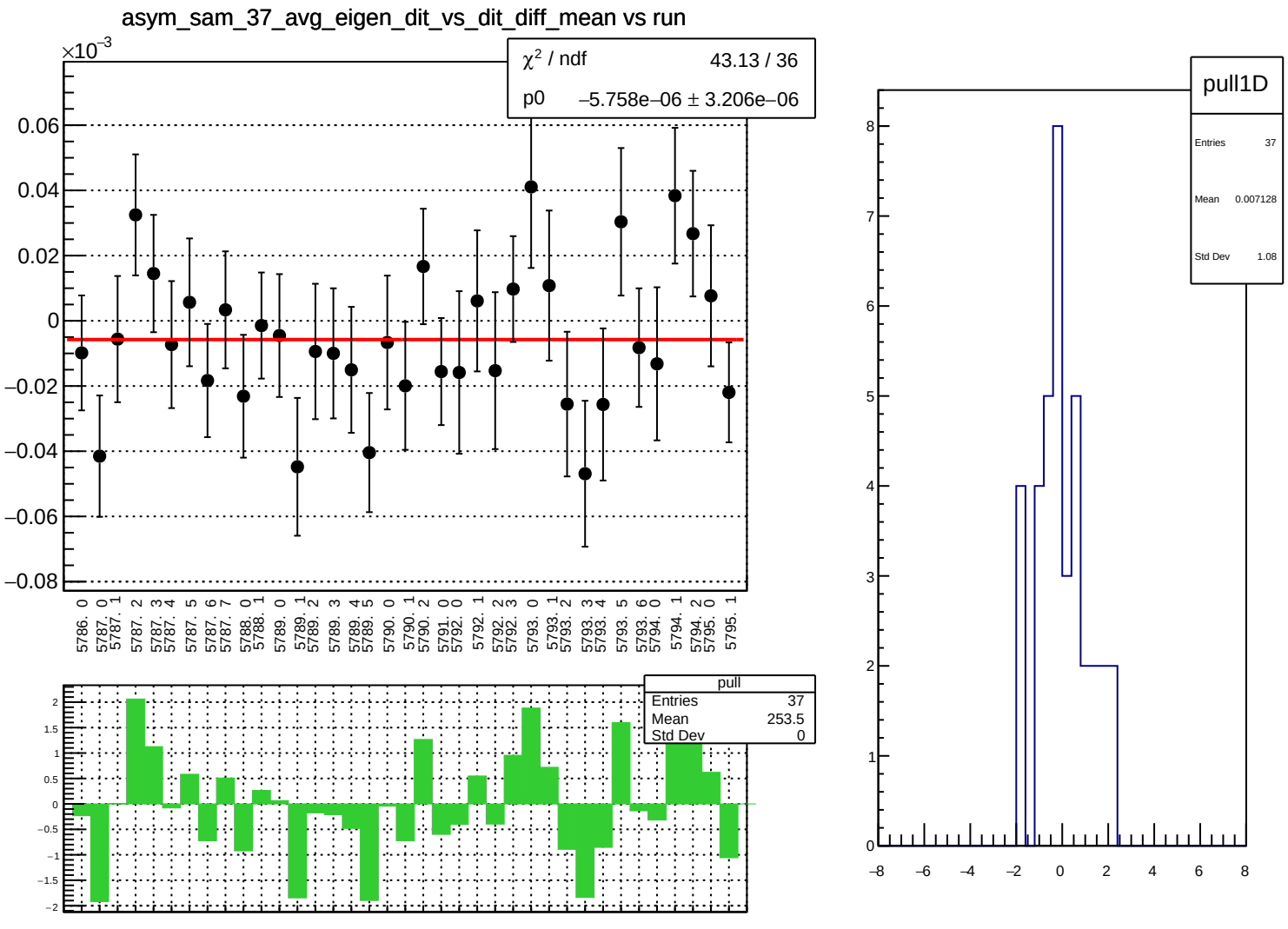
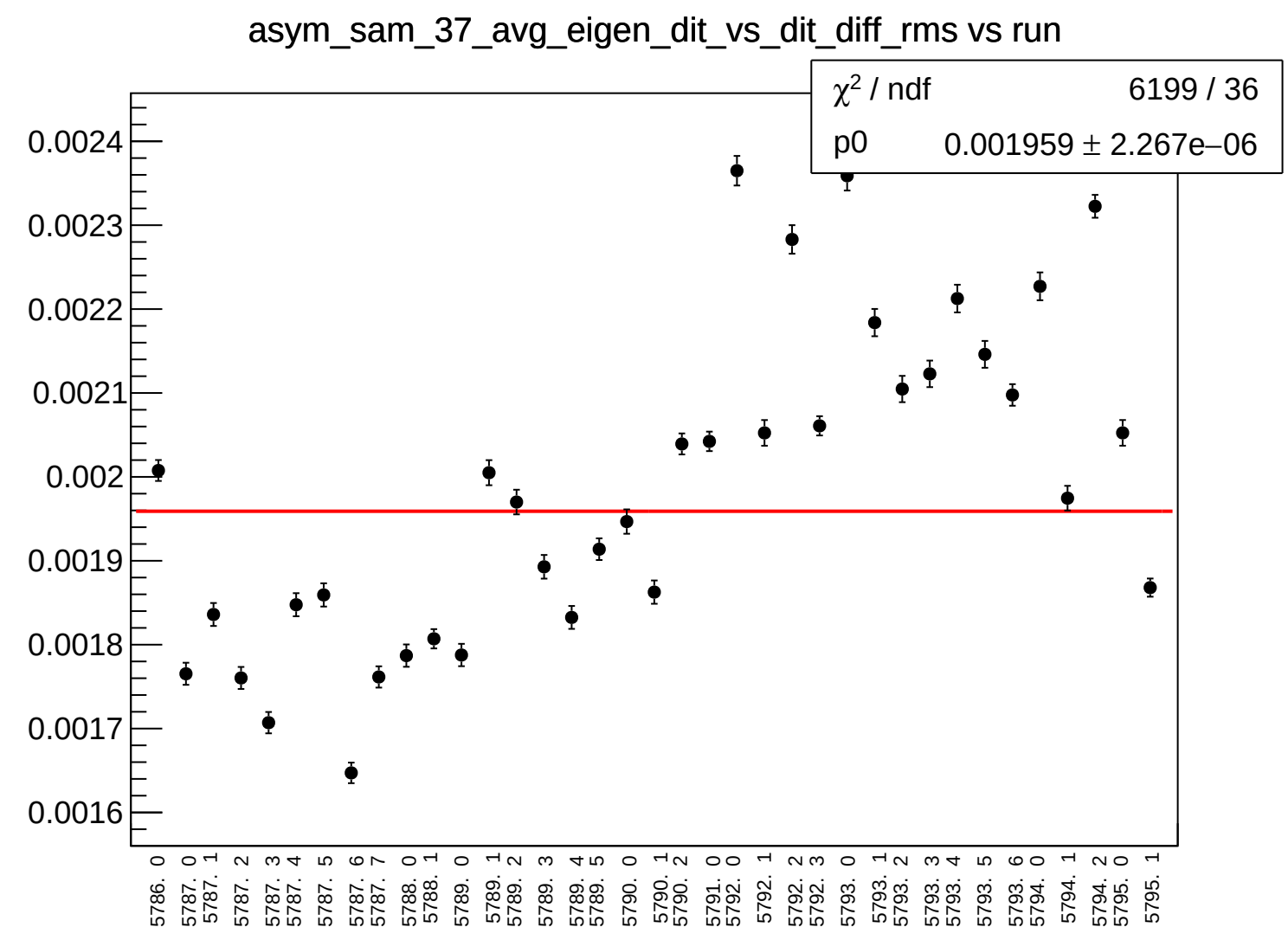
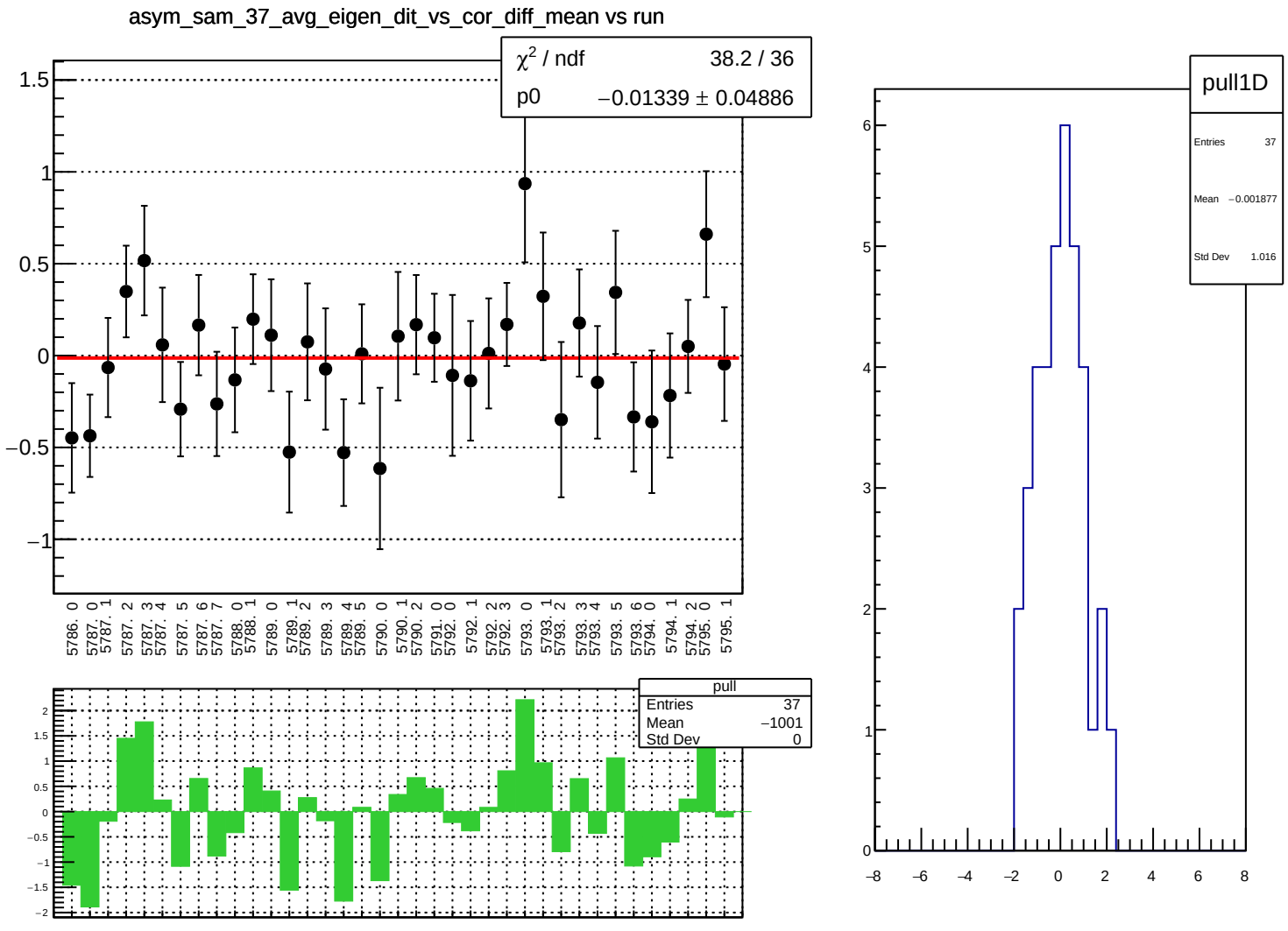
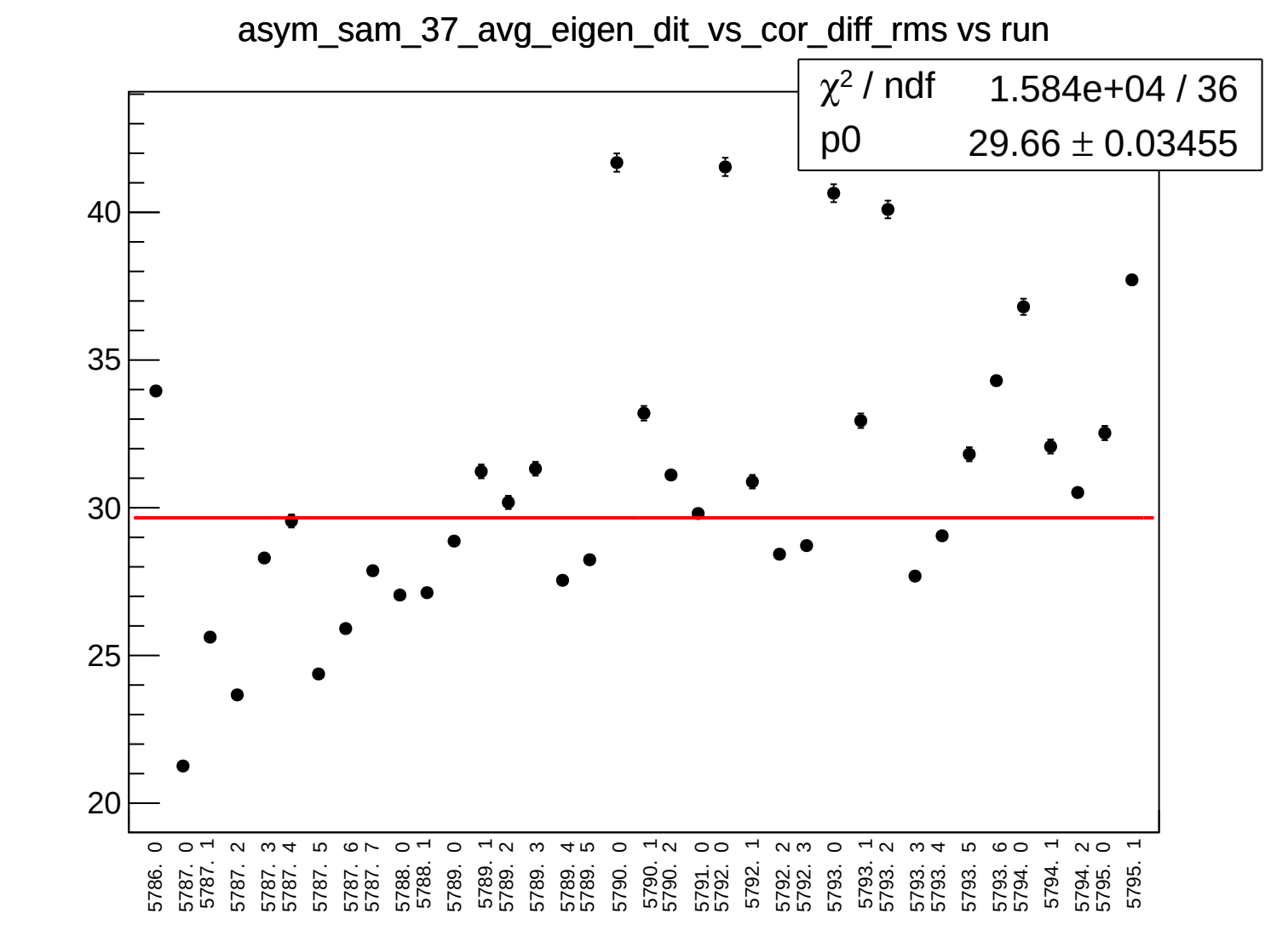
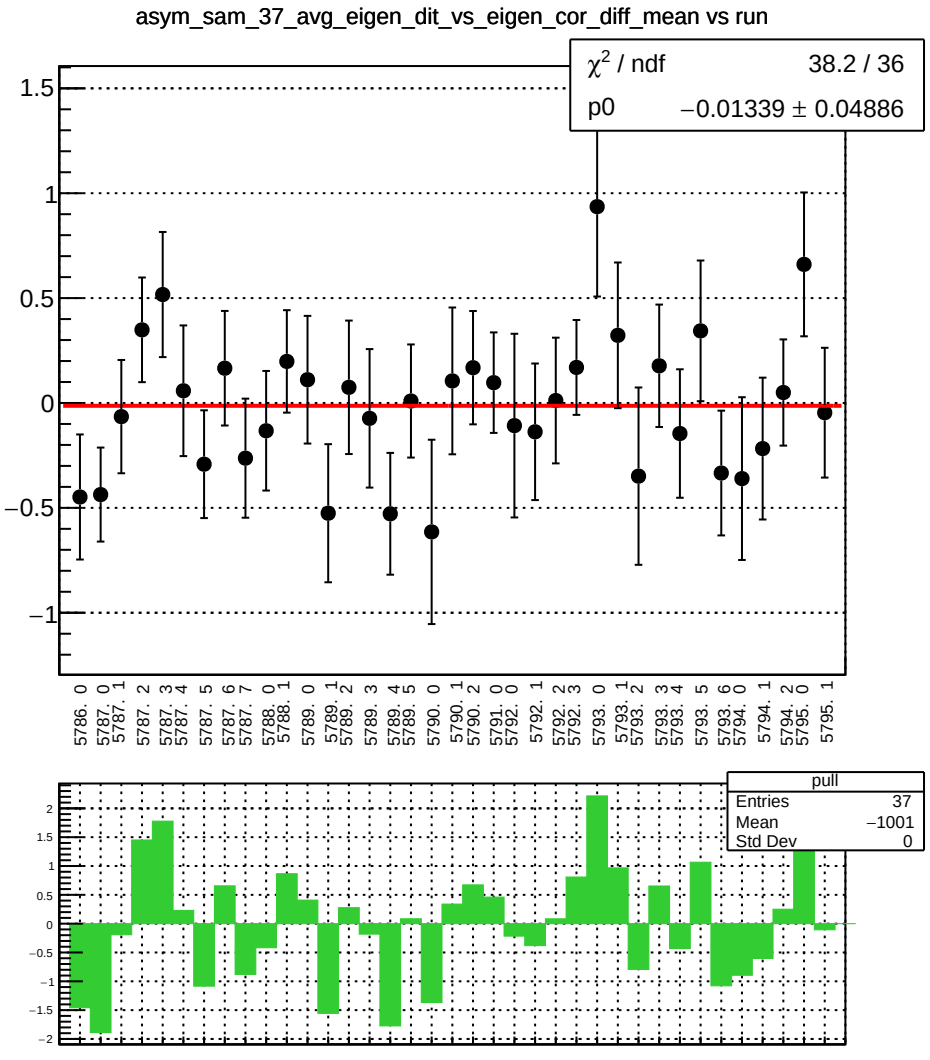
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

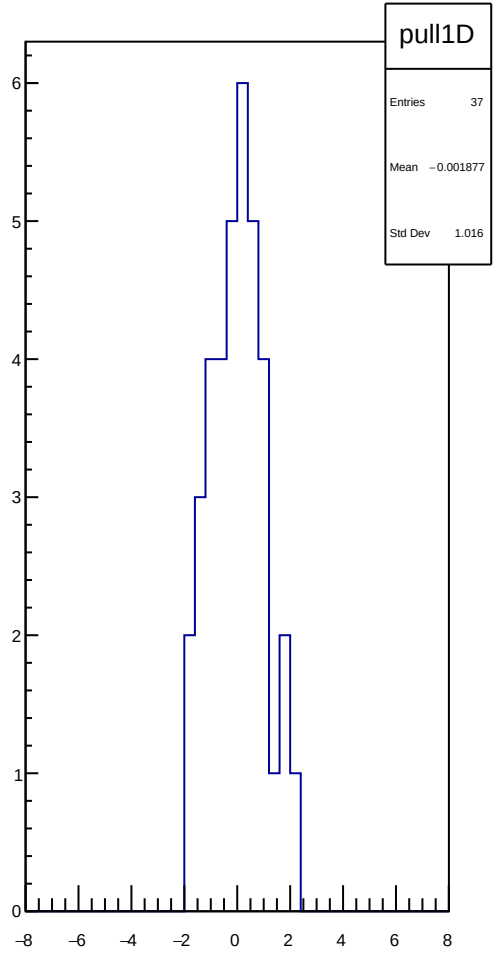

asym_sam_37_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.13 / 36
p0 −5.758e−06 ± 3.206e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
−0.08
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 253.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.007128
Std Dev 1.08
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

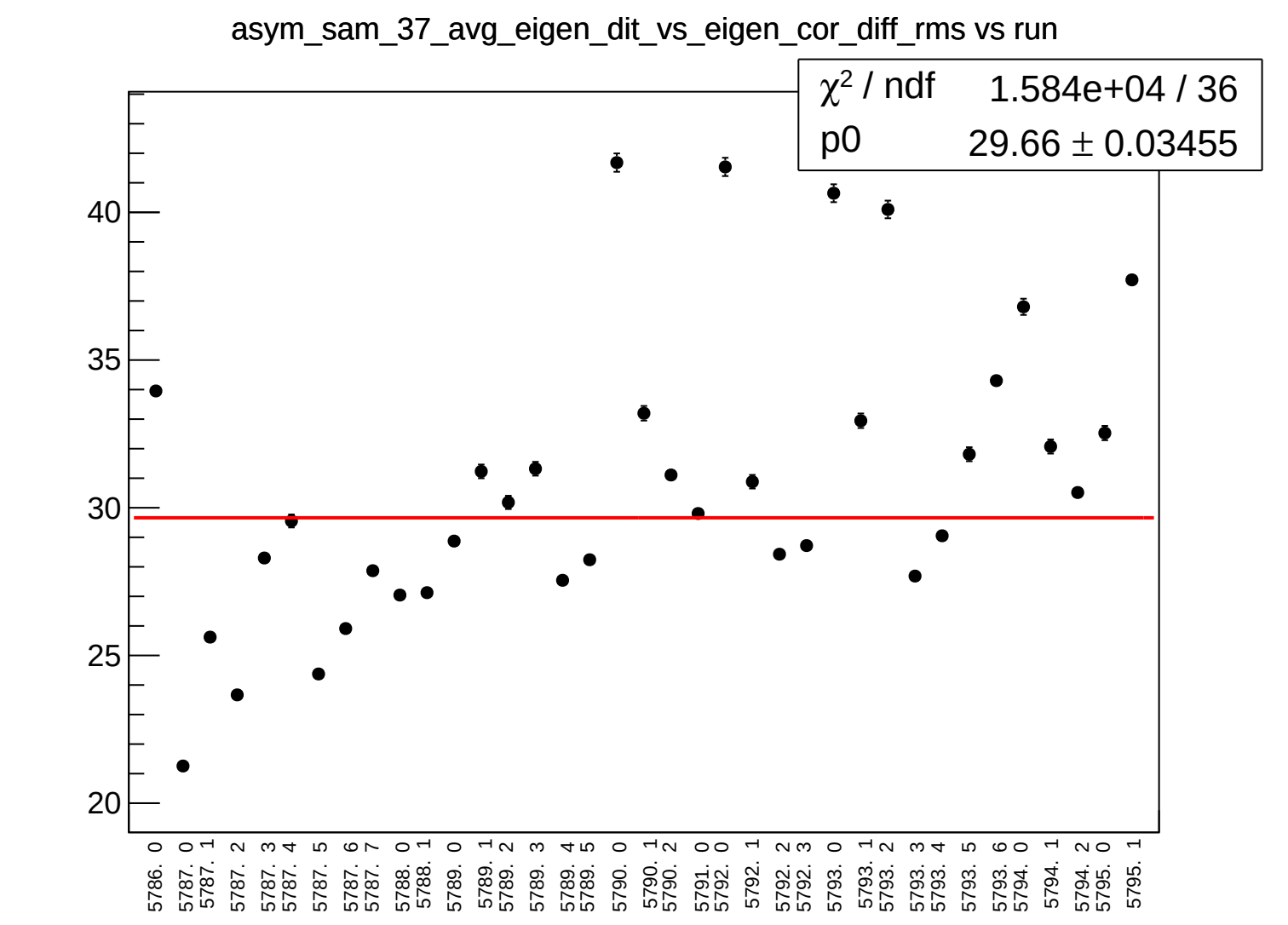

asym_sam_37_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6199 / 36
p0 0.001959 ± 2.267e−06
0.0024
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

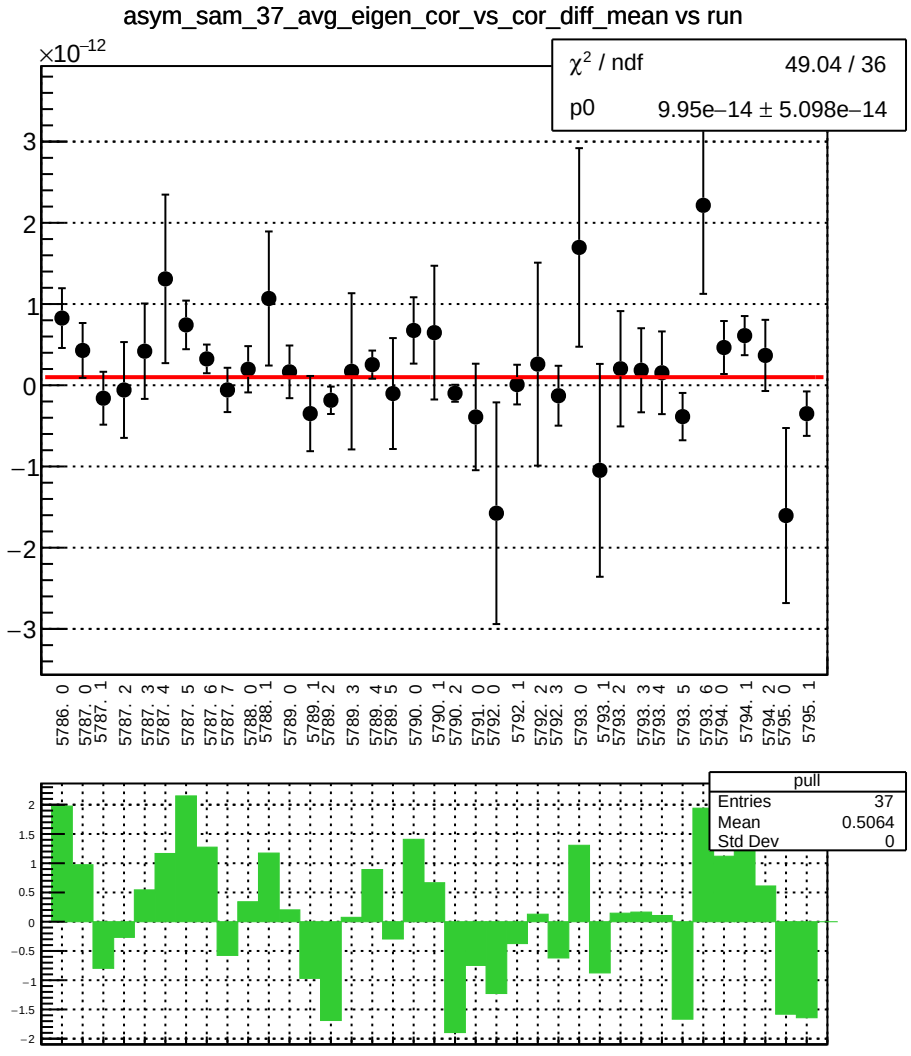

asym_sam_37_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.2 / 36
p0 −0.01339 ± 0.04886
1.5
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1001
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.001877
Std Dev 1.016
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

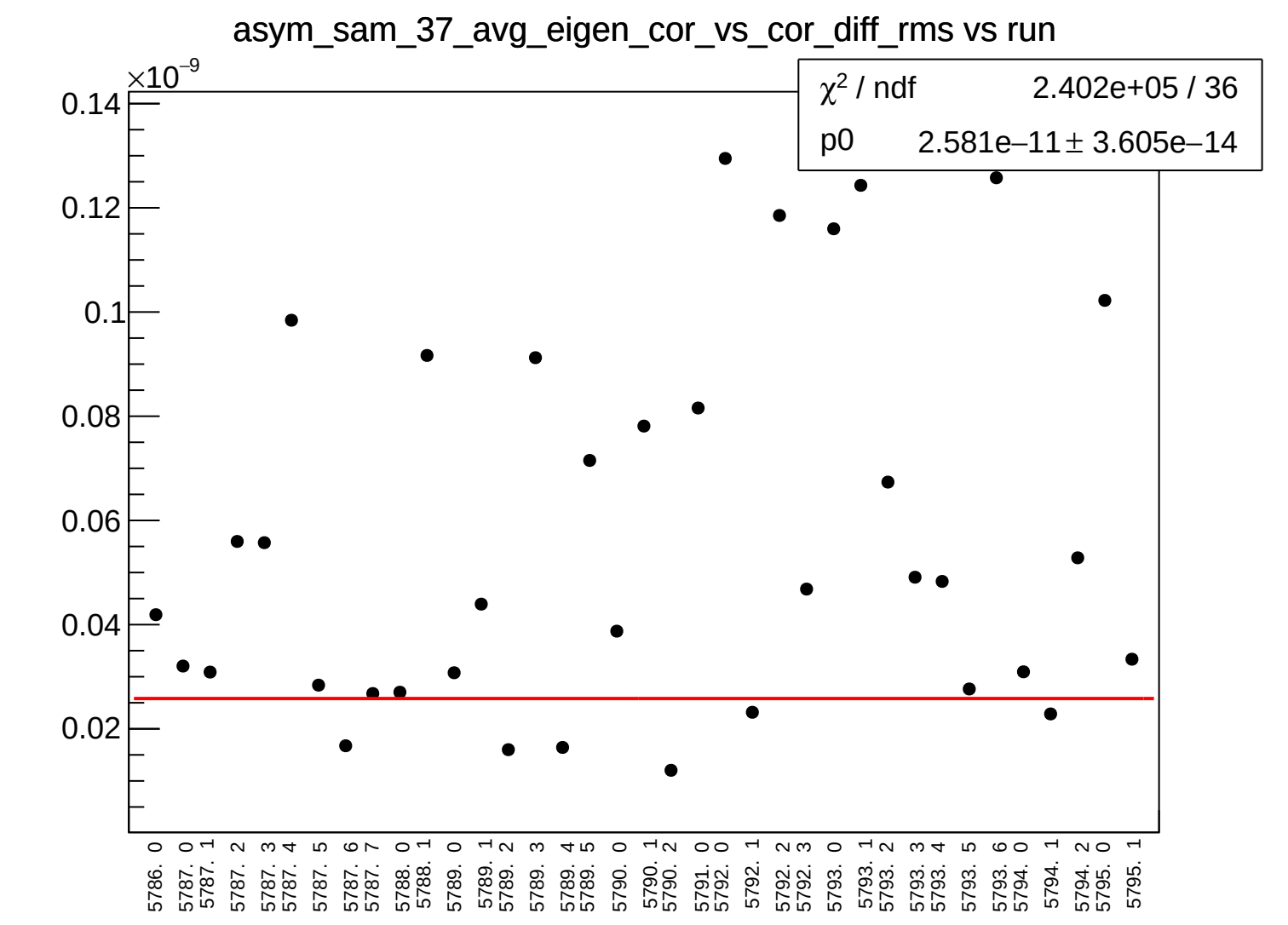

asym_sam_37_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 36
p0 29.66 ± 0.03455
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

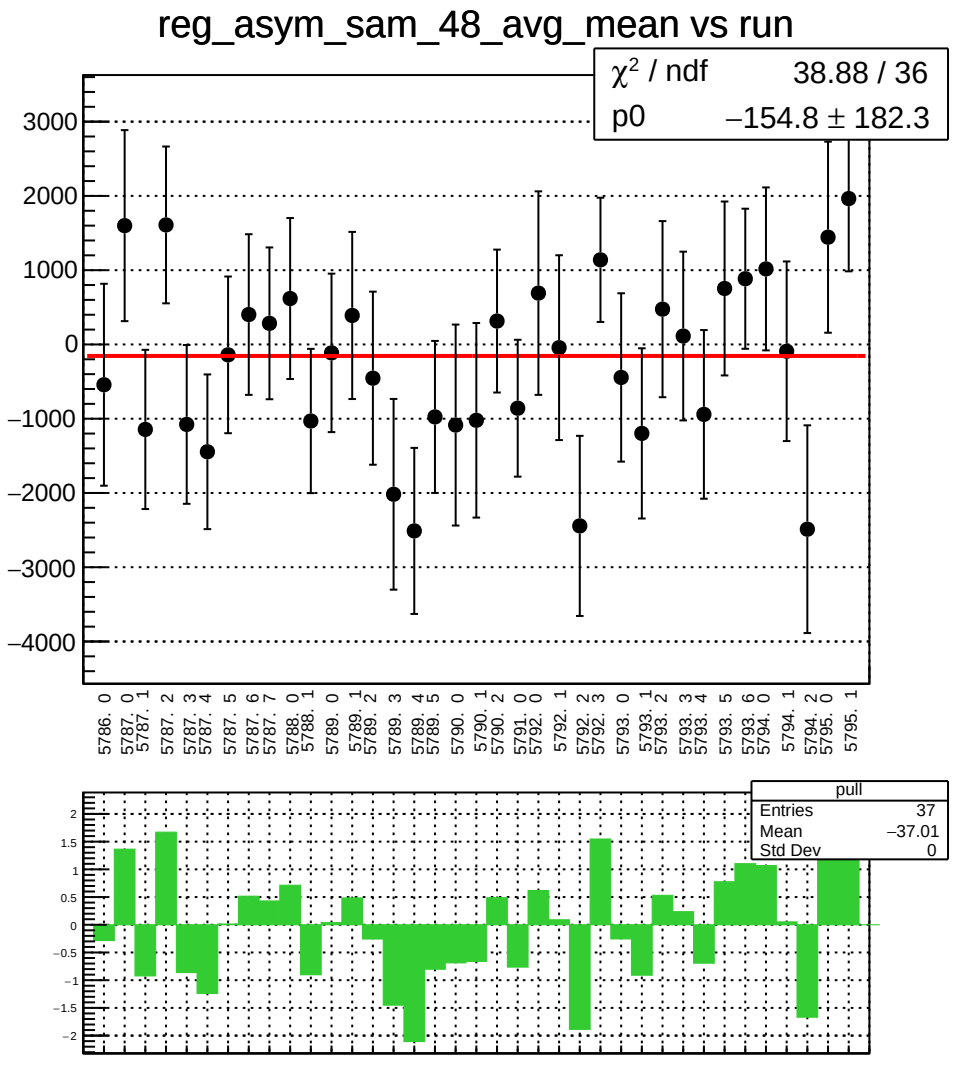

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.2 / 36
p0 −0.01339 ± 0.04886
pull
Entries 37
Mean −1001
Std Dev 0

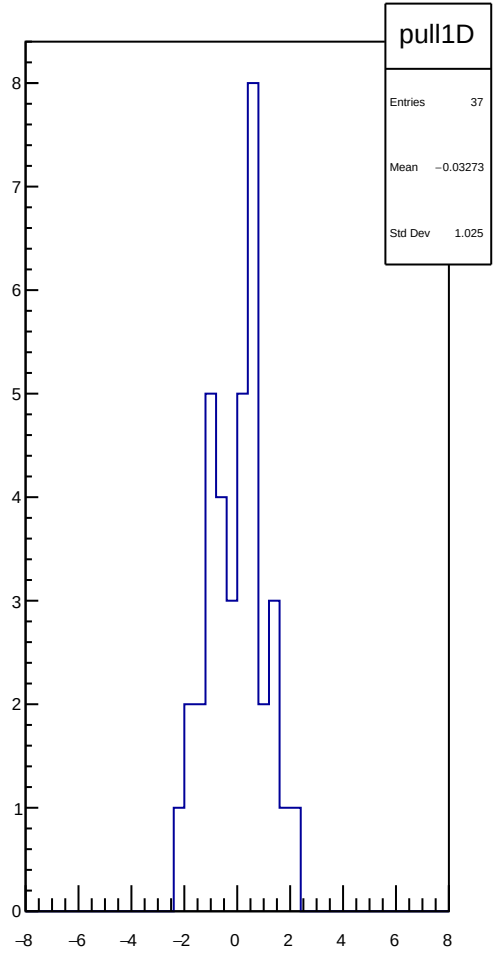

pull1D
Entries 37
Mean −0.001877
Std Dev 1.016

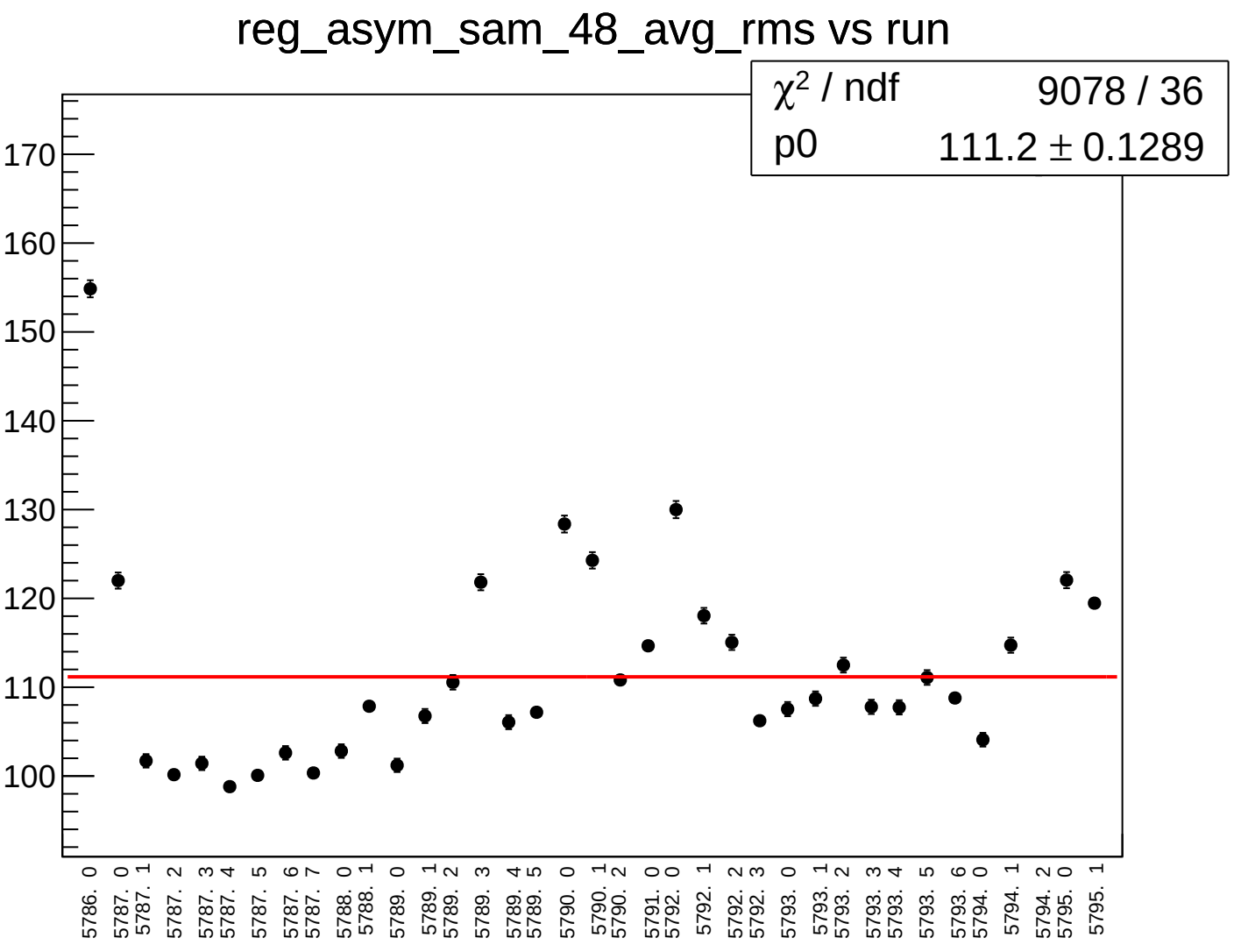

asym_sam_37_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.584e+04 / 36
p0 29.66 ± 0.03455
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

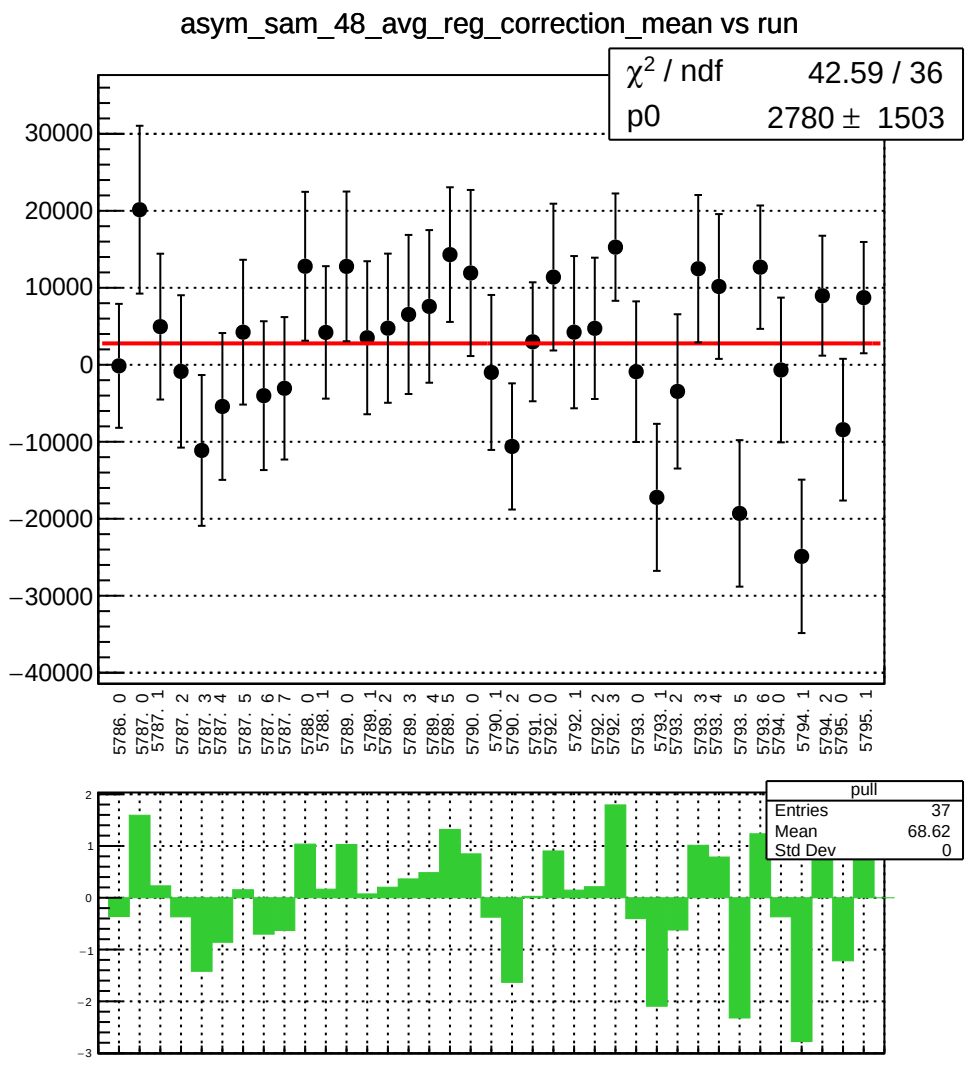

asym_sam_37_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 49.04 / 36
p0 9.95e−14 ± 5.098e−14
3
2
1
0
−1
−2
−3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.5064
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.1426
Std Dev 1.142
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

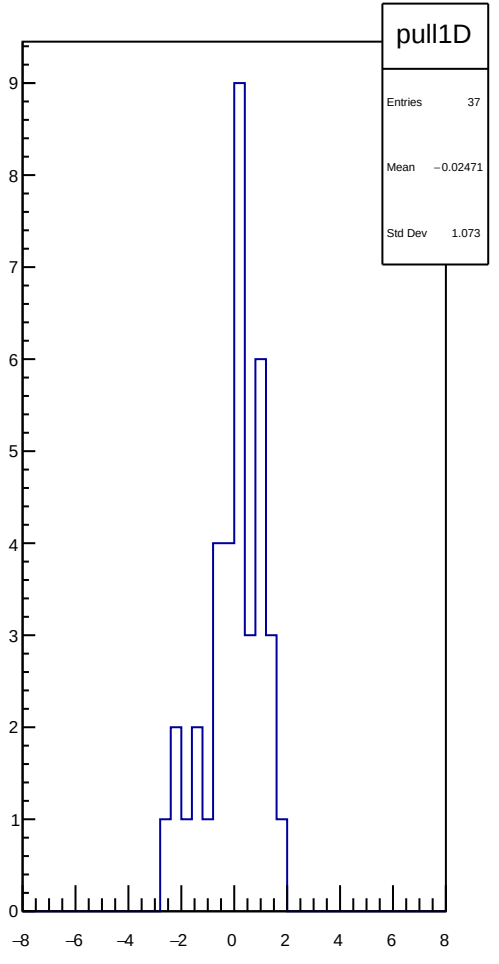

asym_sam_37_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.402e+05 / 36
p0 2.581e−11 ± 3.605e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

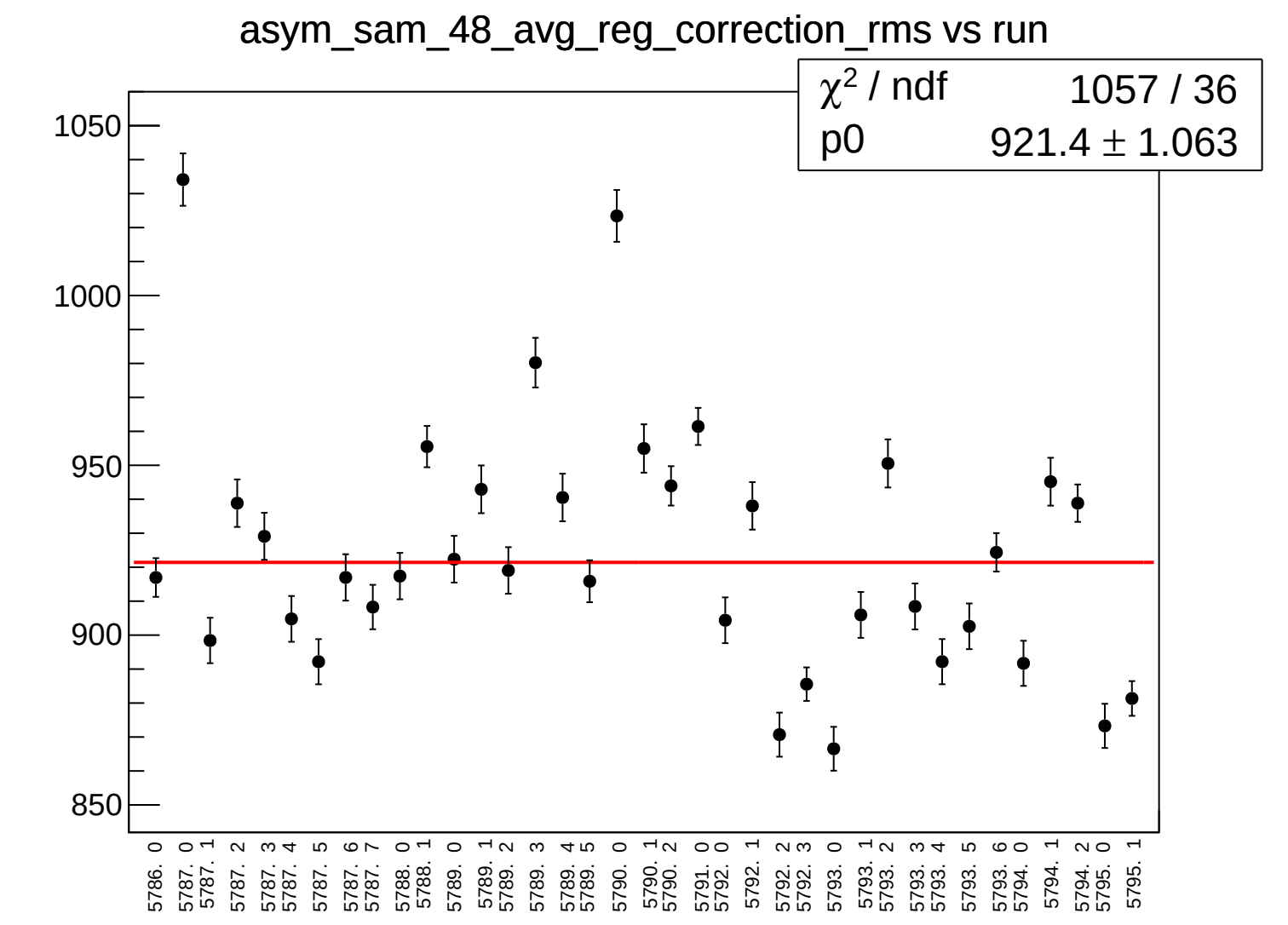

reg_asym_sam_48_avg_mean vs run
χ² / ndf 38.88 / 36
p0 −154.8 ± 182.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

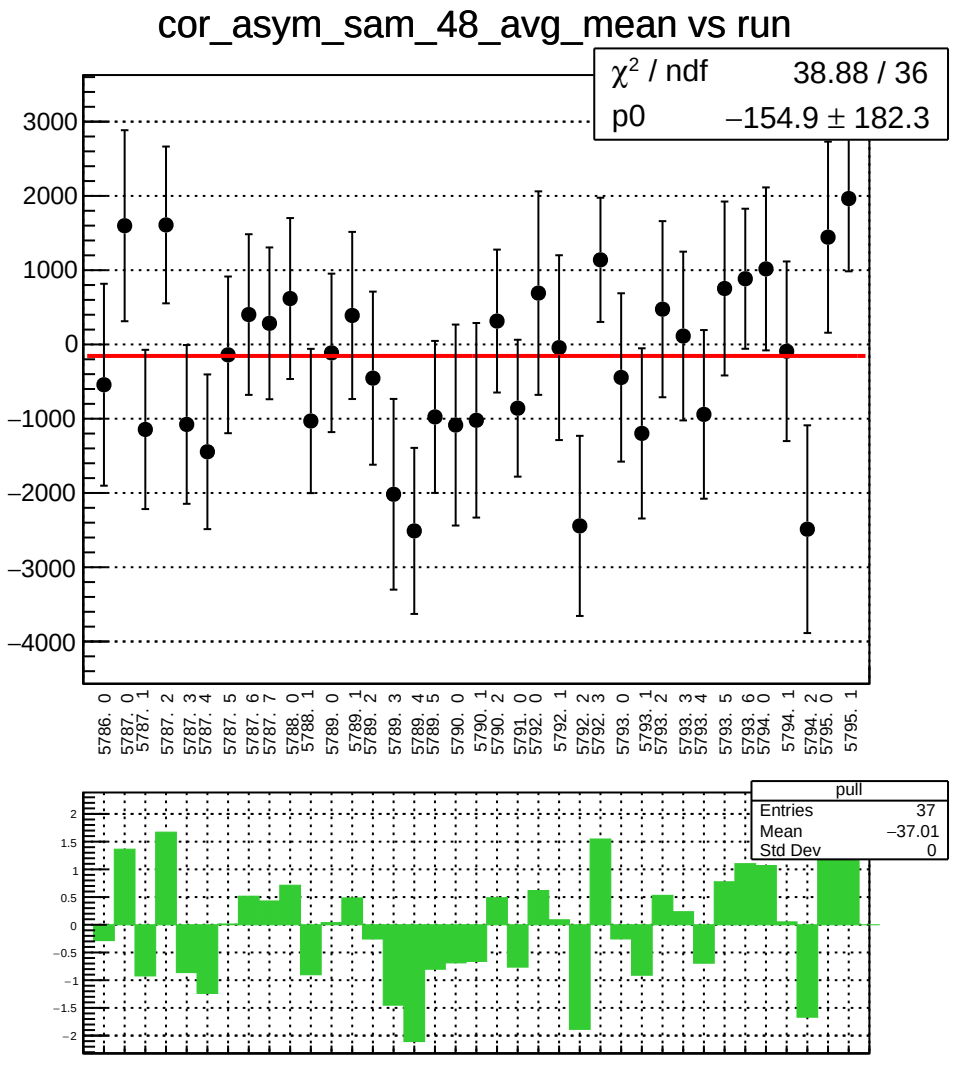

pull1D
Entries 37
Mean −0.03273
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

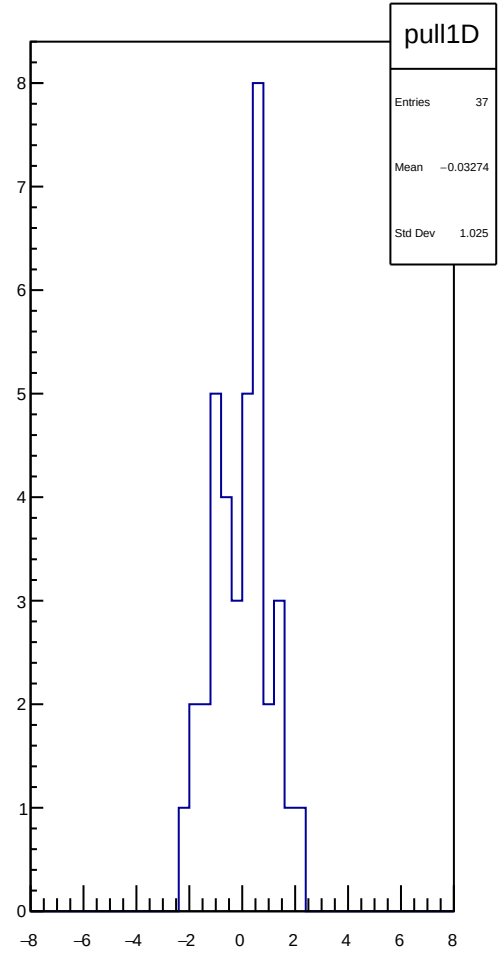

reg_asym_sam_48_avg_rms vs run
χ² / ndf 9078 / 36
p0 111.2 ± 0.1289
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

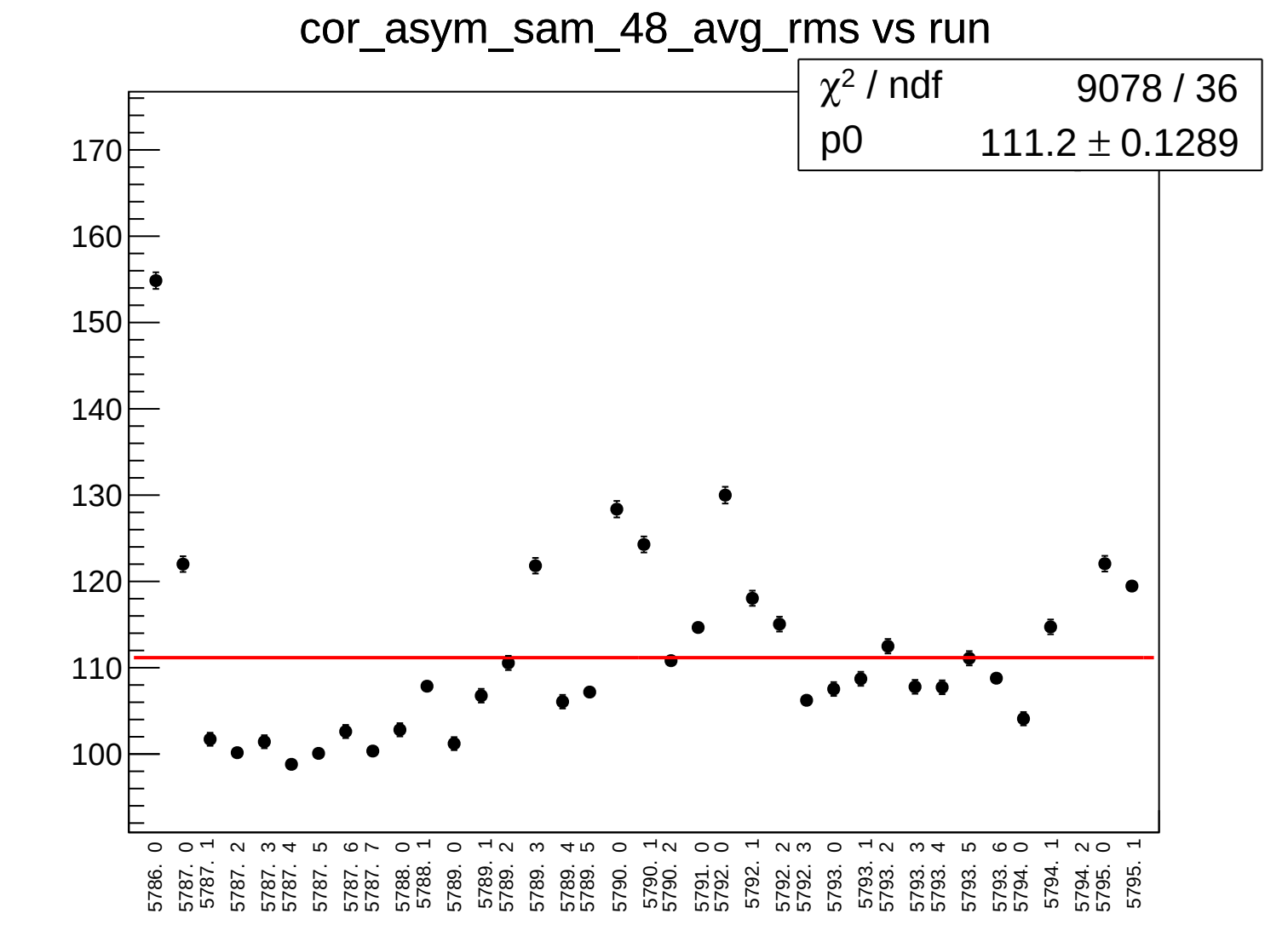

asym_sam_48_avg_reg_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2780 ± 1503
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 68.62
Std Dev 0
2
1
0
−1
−2
−3

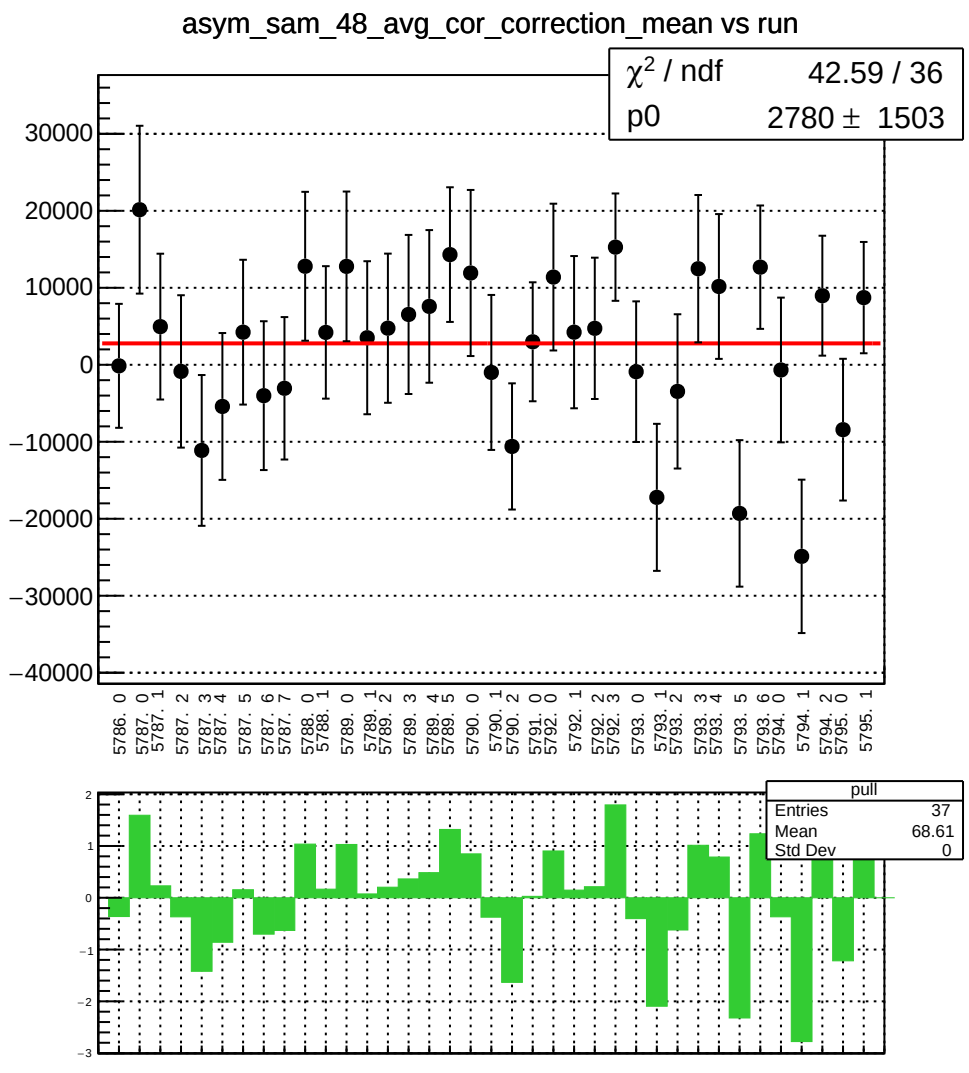

pull1D
Entries 37
Mean −0.02471
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

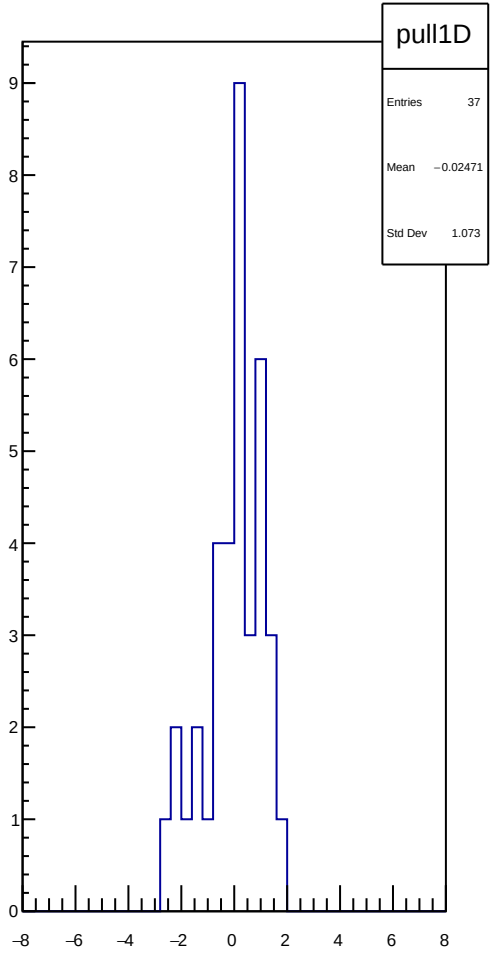

asym_sam_48_avg_reg_correction_rms vs run
χ² / ndf 1057 / 36
p0 921.4 ± 1.063
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

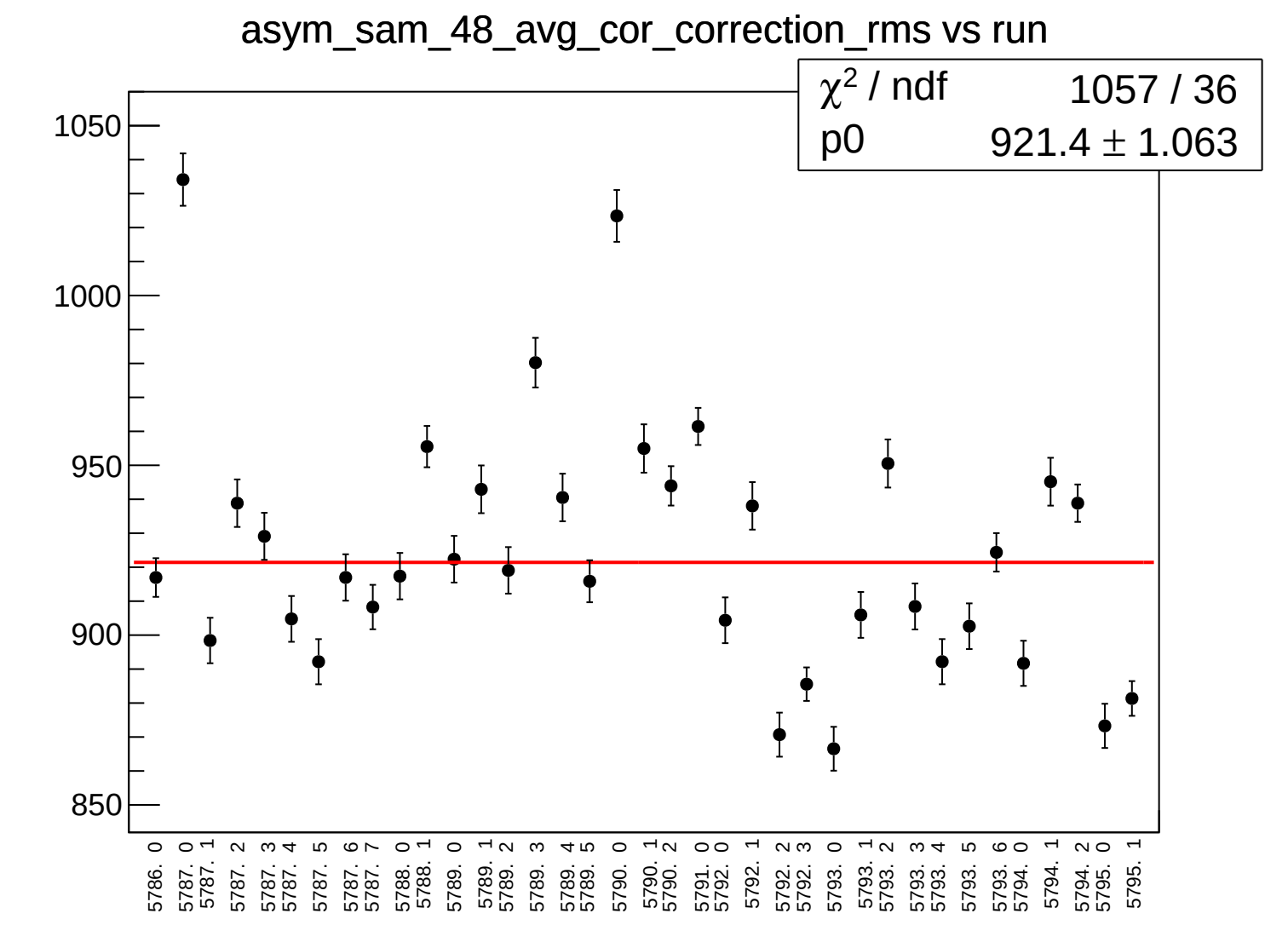

cor_asym_sam_48_avg_mean vs run
χ² / ndf 38.88 / 36
p0 −154.9 ± 182.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

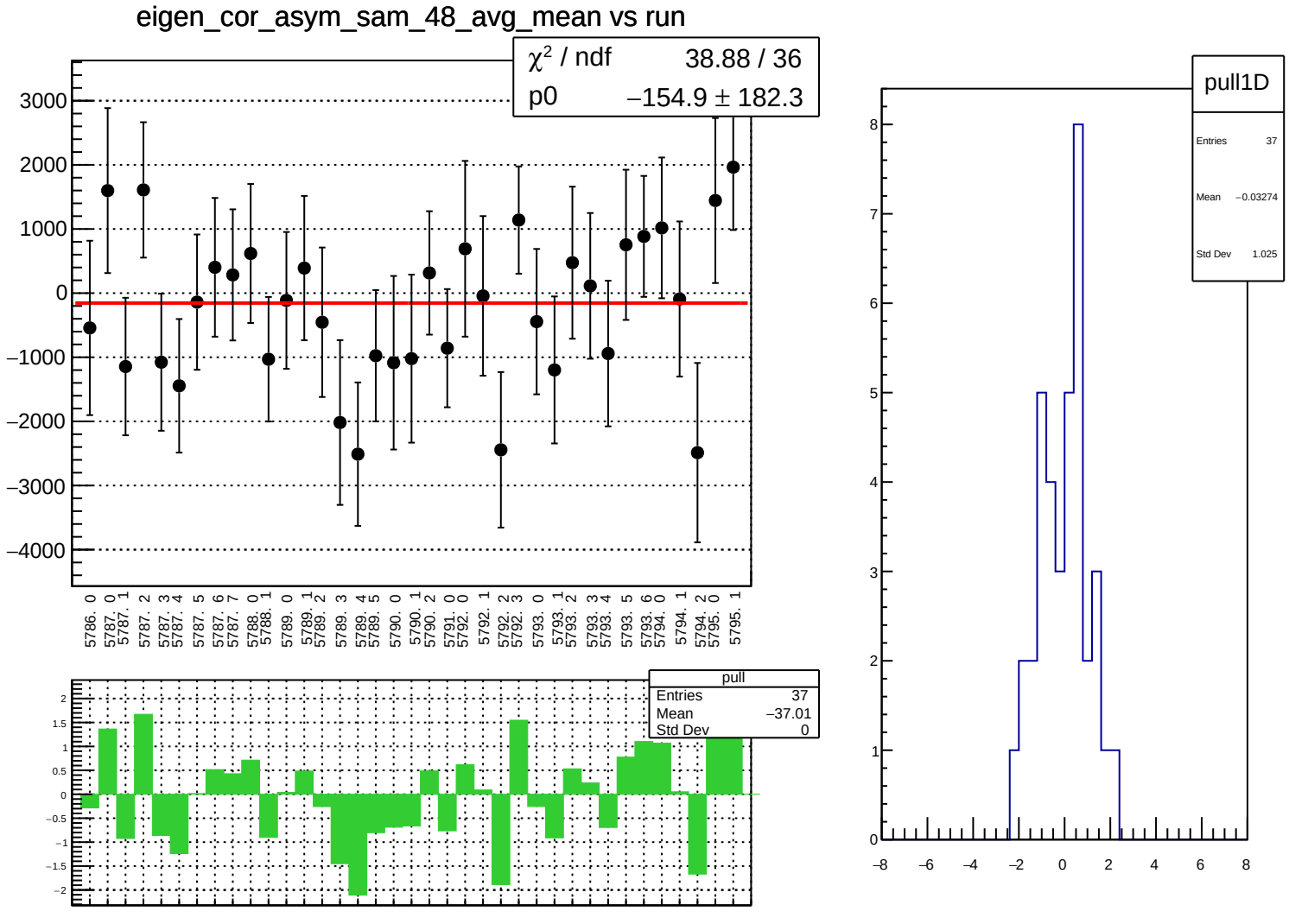

pull1D
Entries 37
Mean −0.03274
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

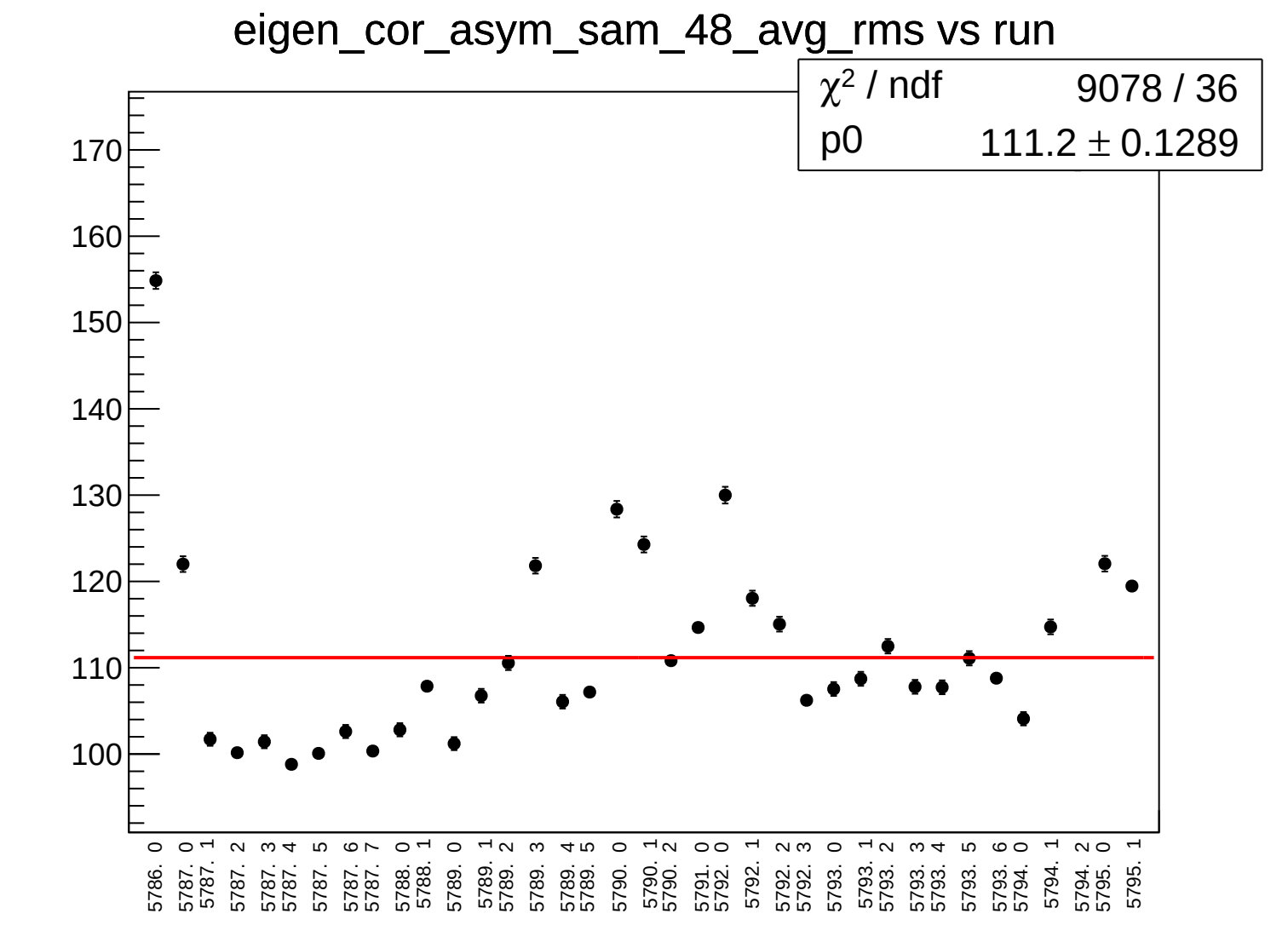

cor_asym_sam_48_avg_rms vs run
χ² / ndf 9078 / 36
p0 111.2 ± 0.1289
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

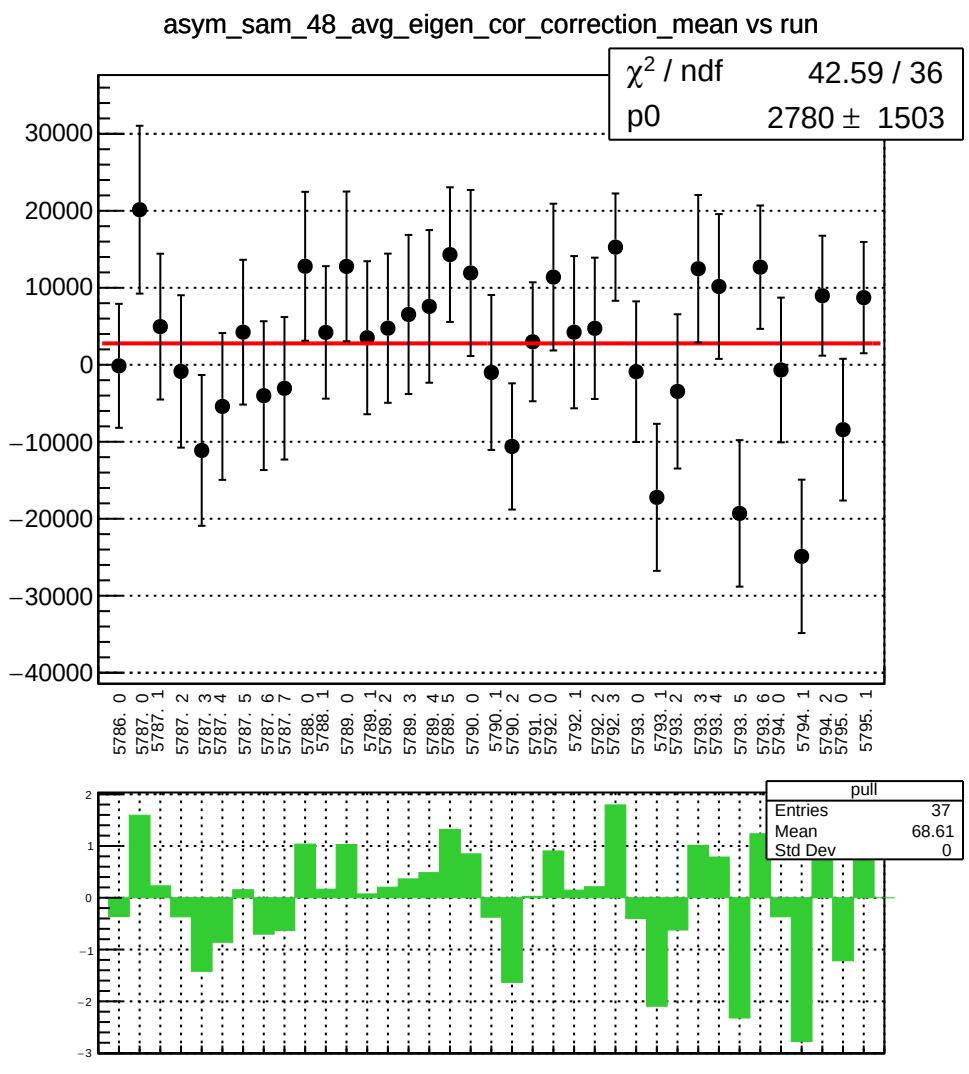

asym_sam_48_avg_cor_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2780 ± 1503
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 68.61
Std Dev 0
2
1
0
−1
−2
−3

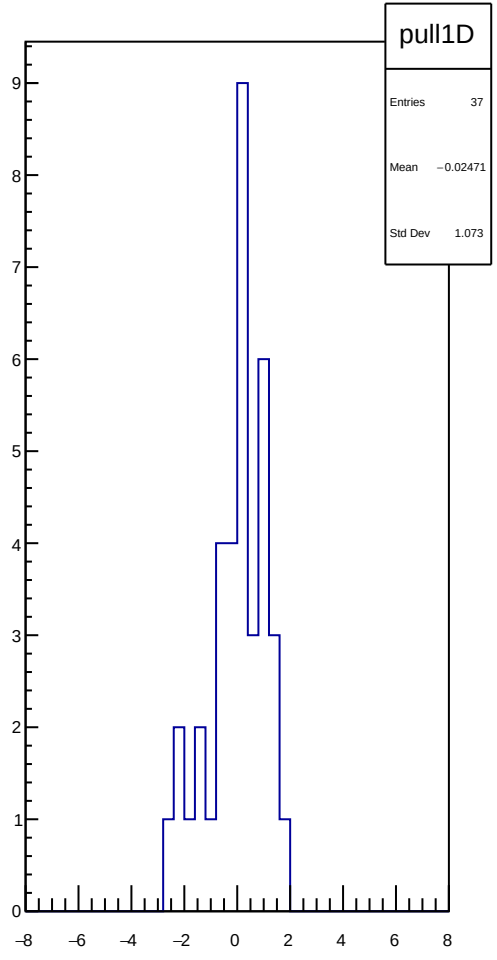

pull1D
Entries 37
Mean −0.02471
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

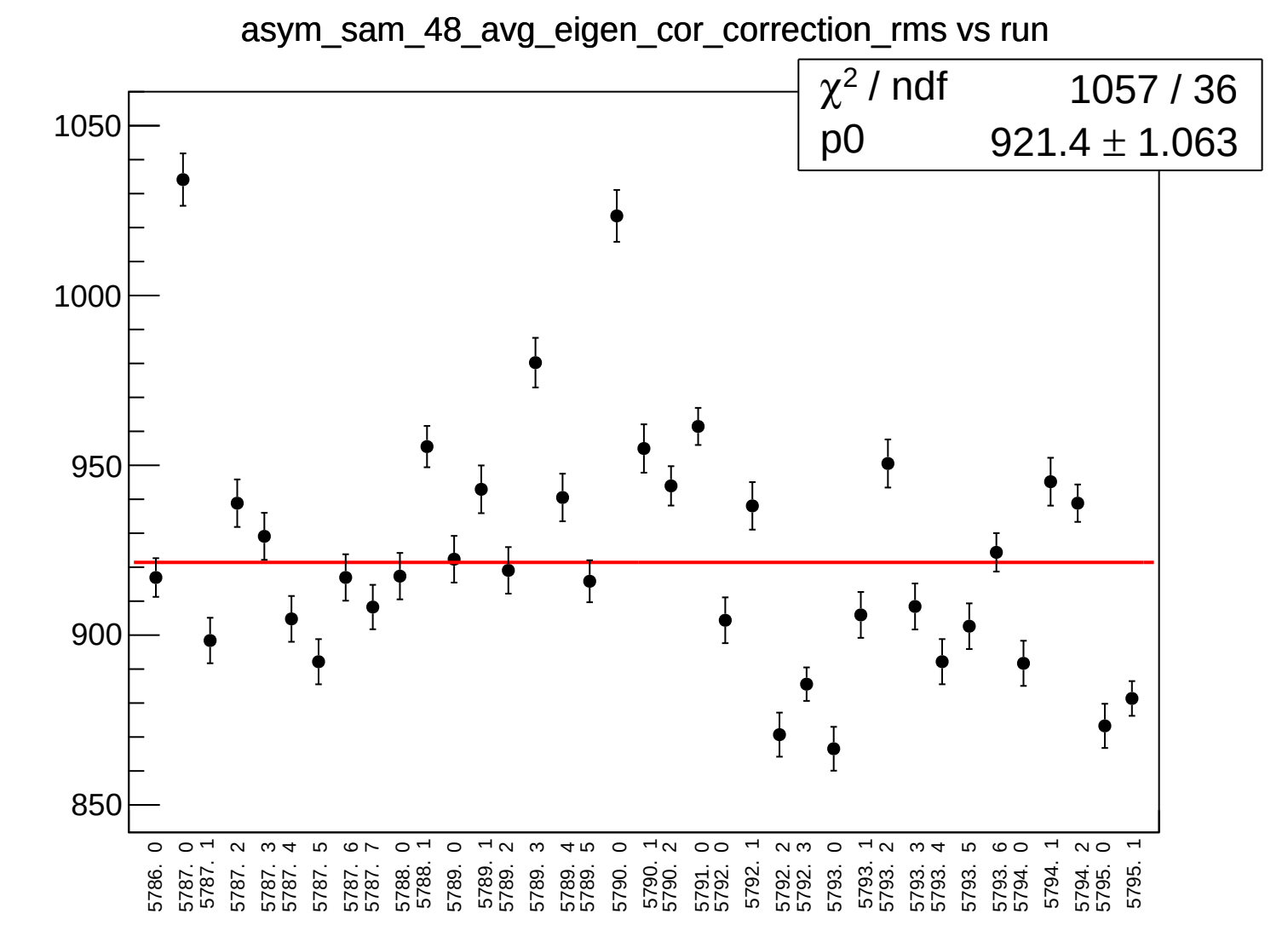

asym_sam_48_avg_cor_correction_rms vs run
χ² / ndf 1057 / 36
p0 921.4 ± 1.063
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

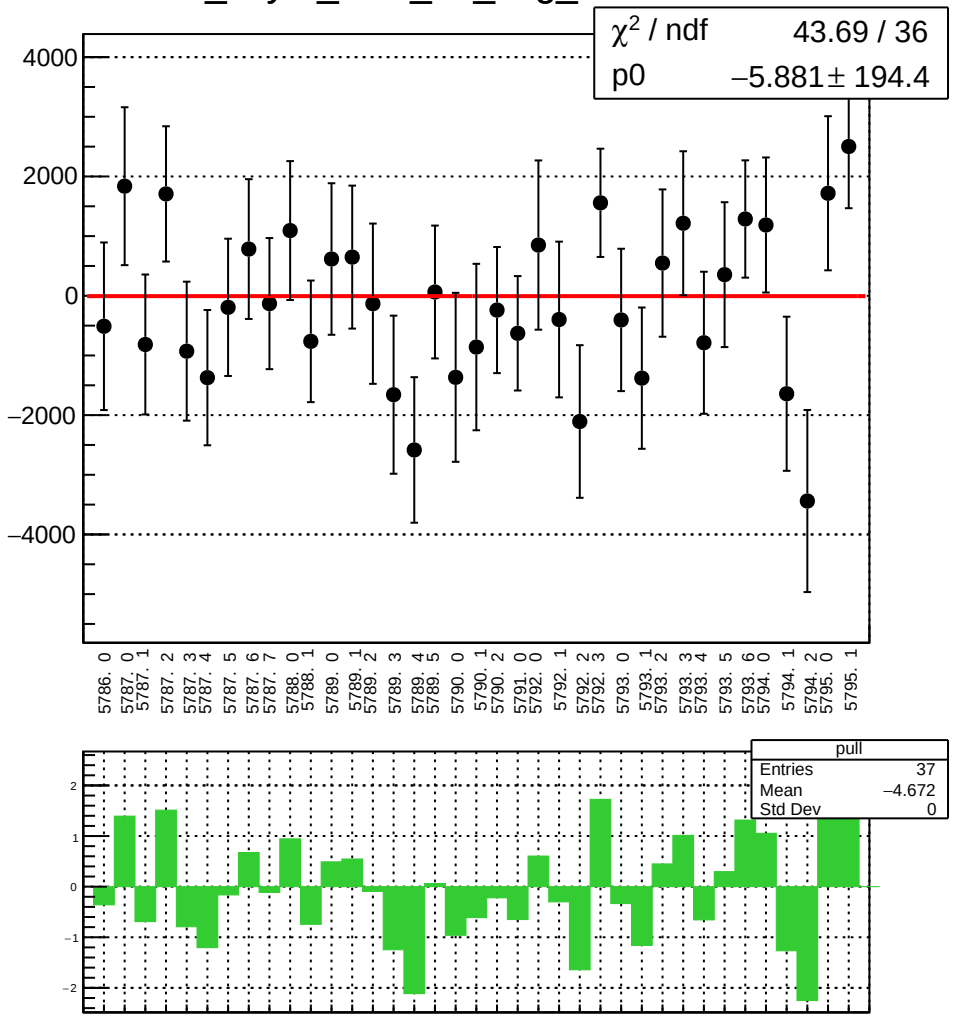

eigen_cor_asym_sam_48_avg_mean vs run
χ² / ndf 38.88 / 36
p0 −154.9 ± 182.3
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.01
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03274
Std Dev 1.025
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

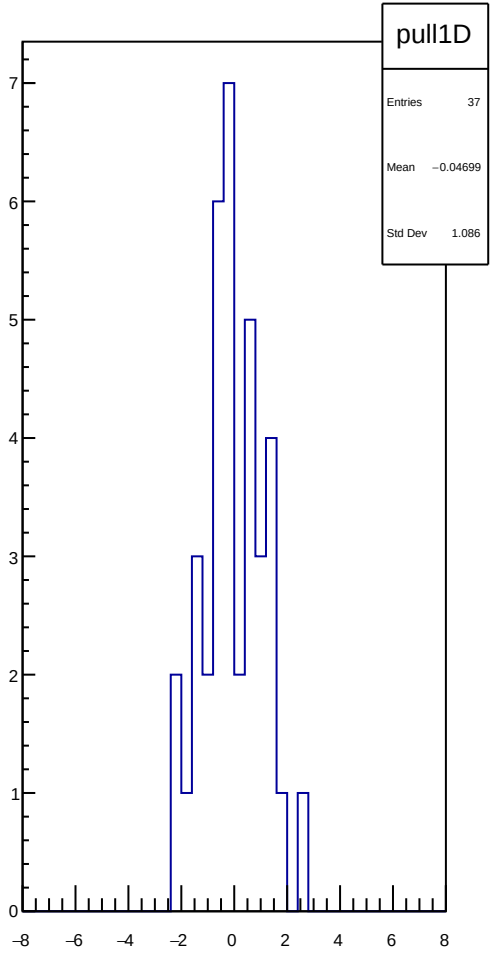

eigen_cor_asym_sam_48_avg_rms vs run
χ² / ndf 9078 / 36
p0 111.2 ± 0.1289
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

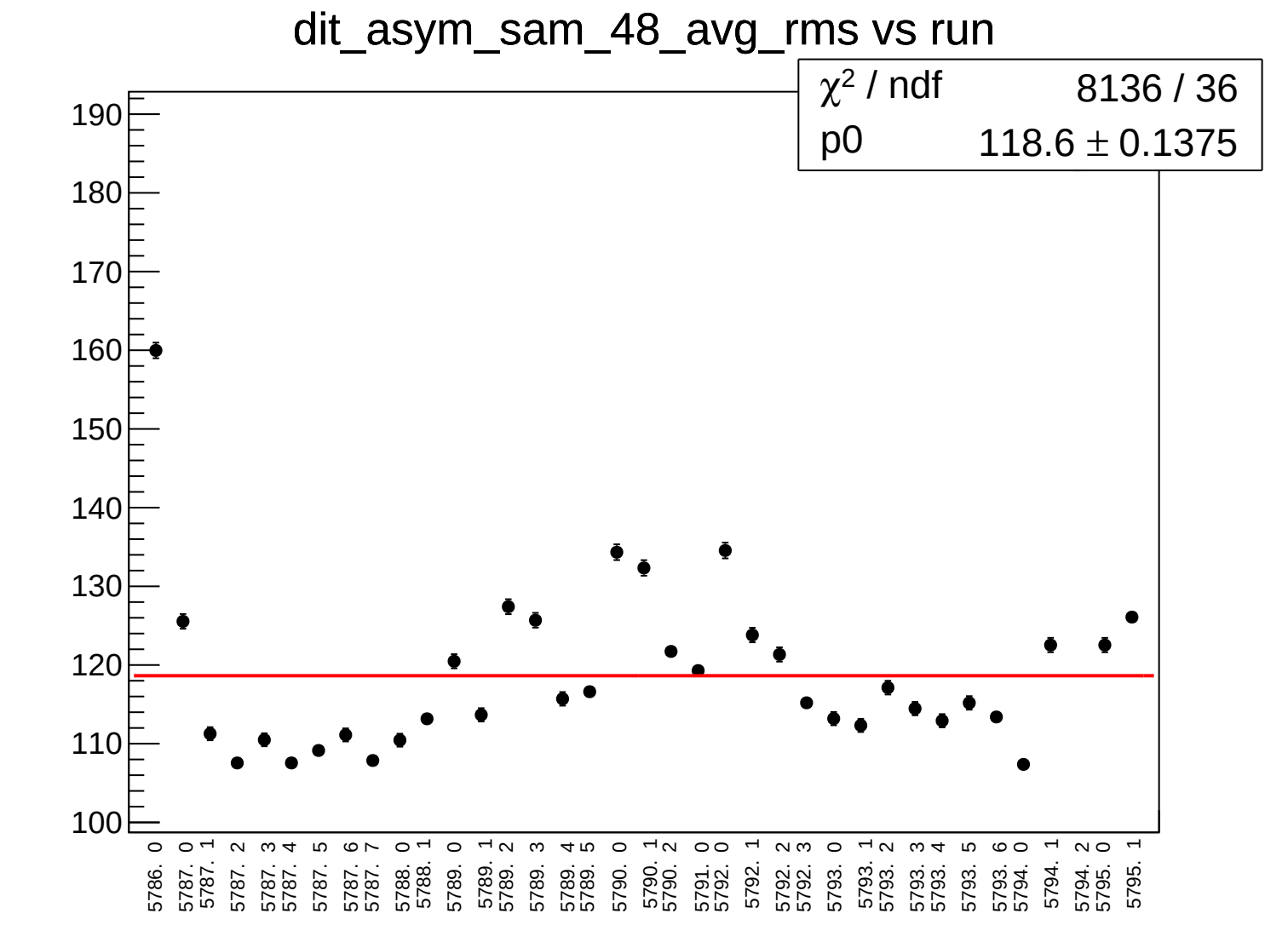

asym_sam_48_avg_eigen_cor_correction_mean vs run
χ² / ndf 42.59 / 36
p0 2780 ± 1503
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 68.61
Std Dev 0
2
1
0
−1
−2
−3

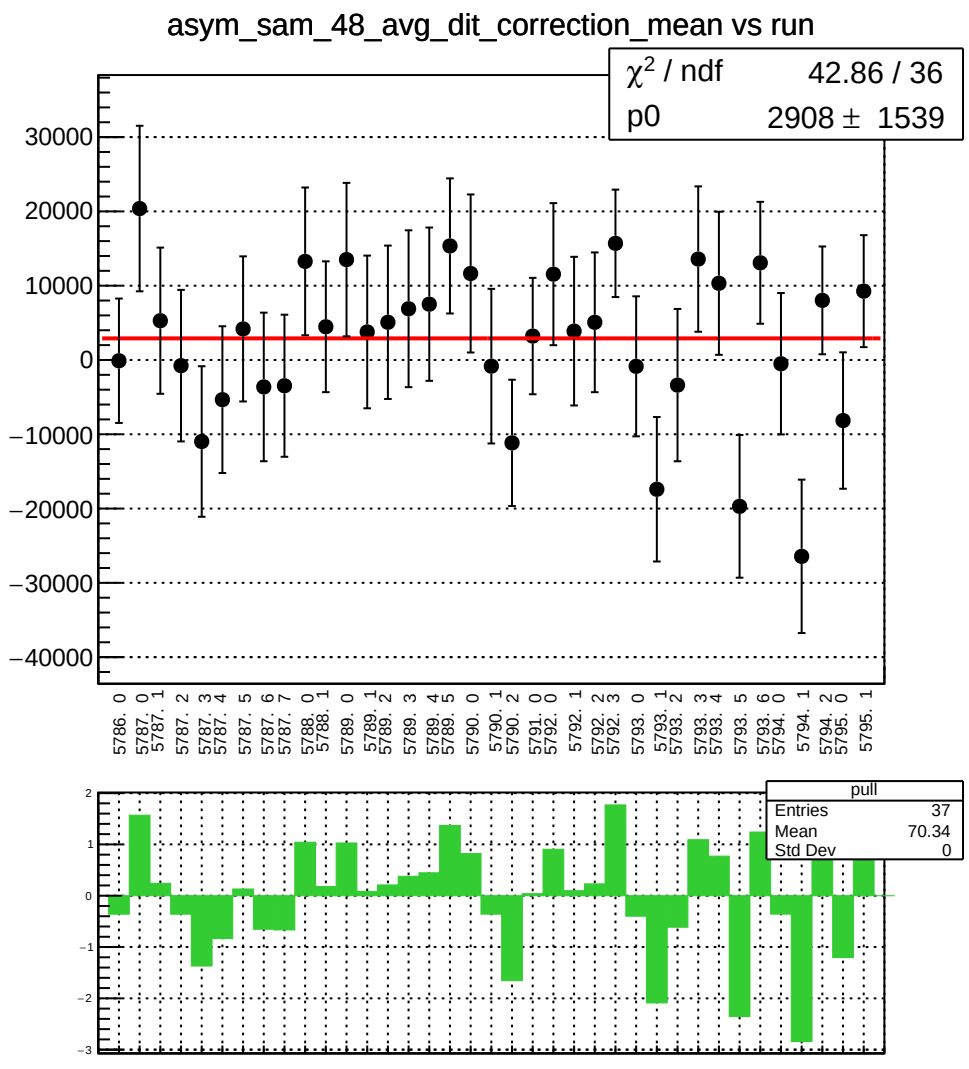

pull1D
Entries 37
Mean −0.02471
Std Dev 1.073
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

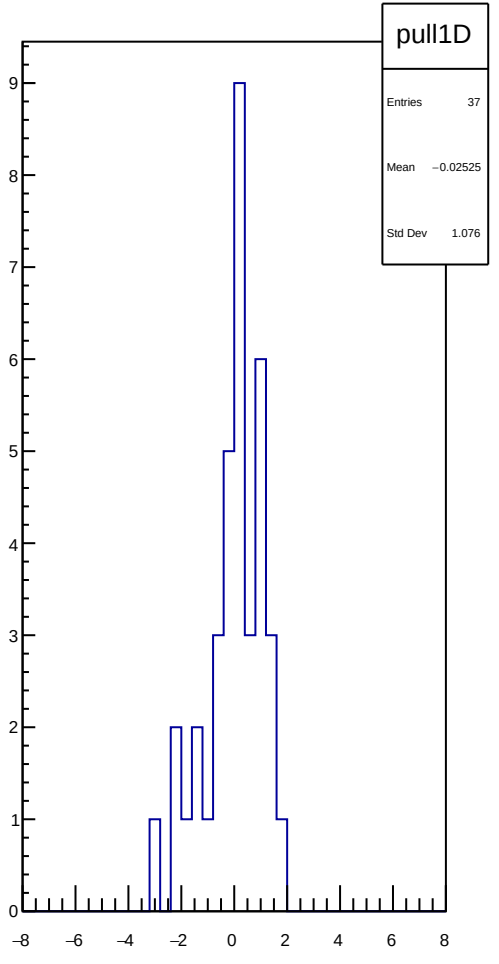

asym_sam_48_avg_eigen_cor_correction_rms vs run
χ² / ndf 1057 / 36
p0 921.4 ± 1.063
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

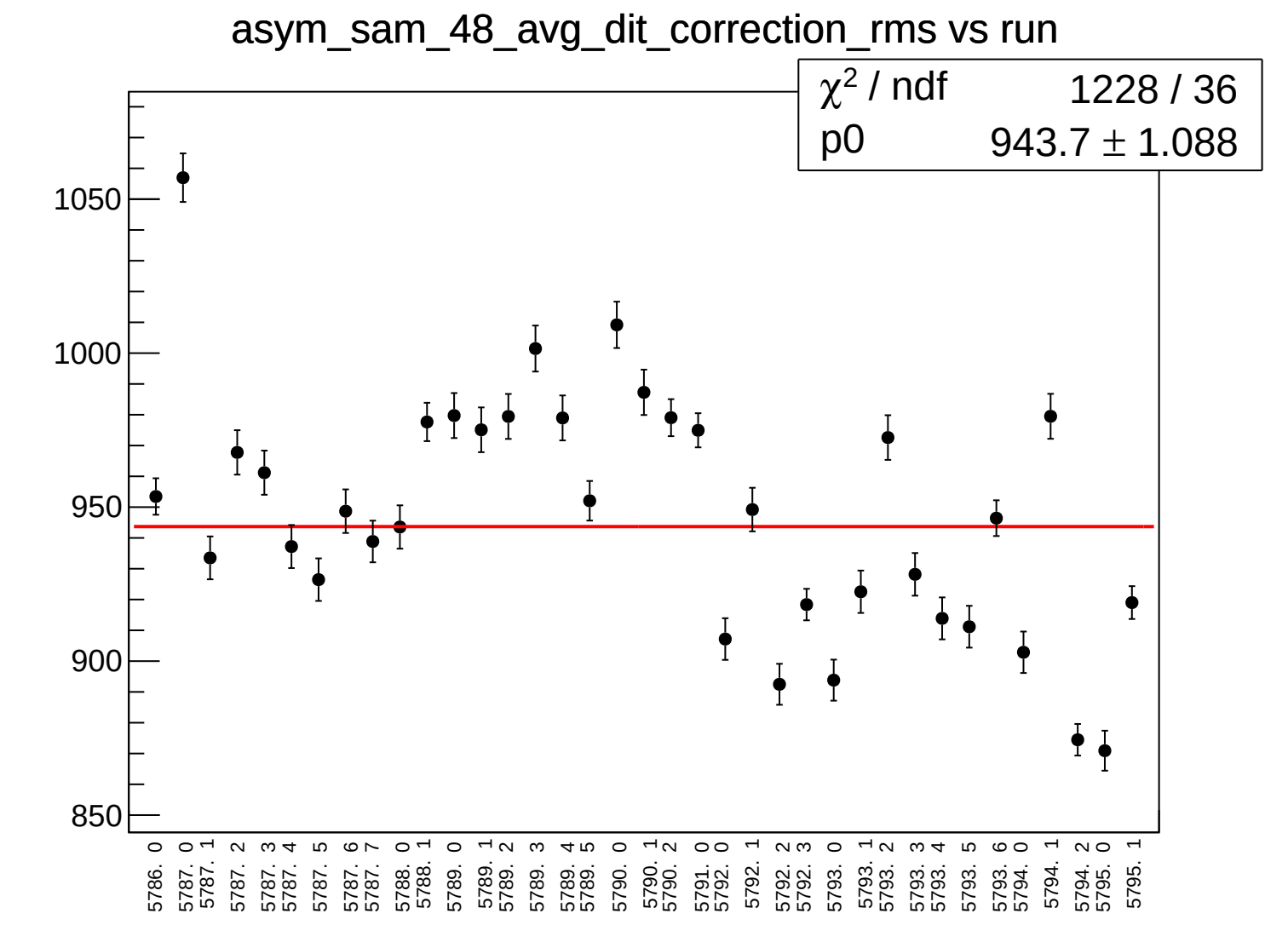

dit_asym_sam_48_avg_mean vs run
χ² / ndf 43.69 / 36
p0 −5.881± 194.4
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.672
Std Dev 0
2
1
0
−1
−2

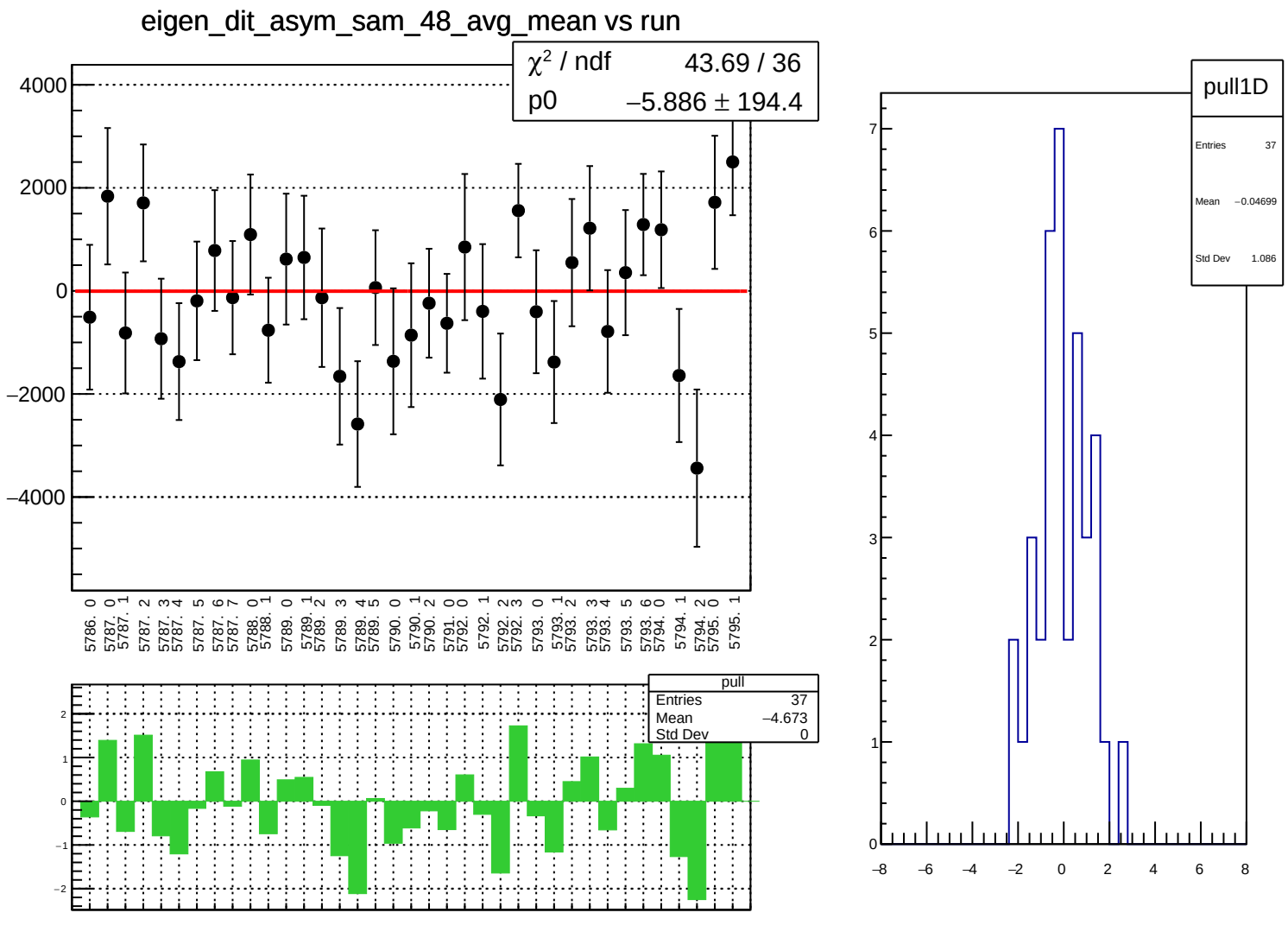

pull1D
Entries 37
Mean −0.04699
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

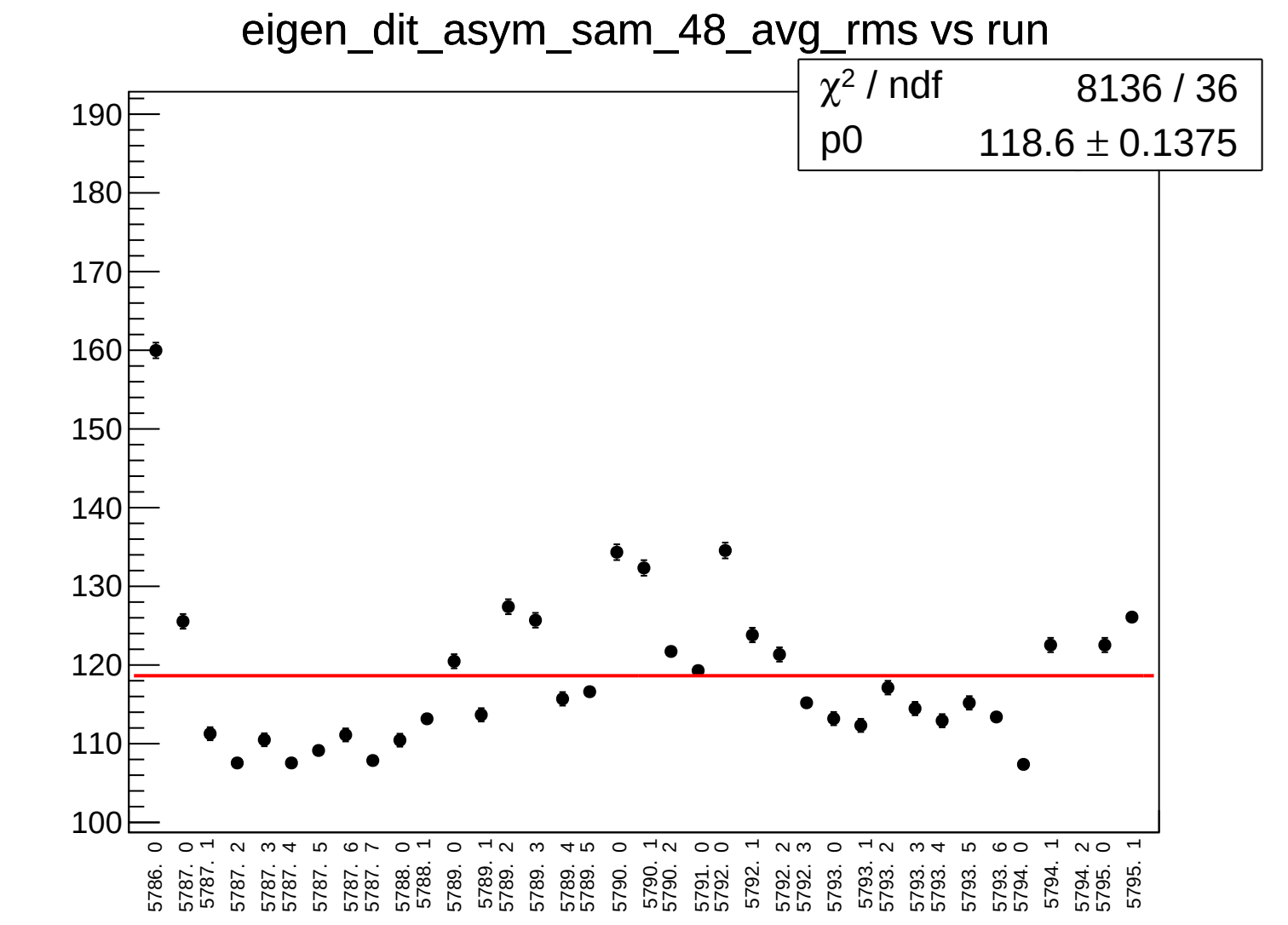

dit_asym_sam_48_avg_rms vs run
χ^2 / ndf 8136 / 36
p0 118.6 ± 0.1375
190
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

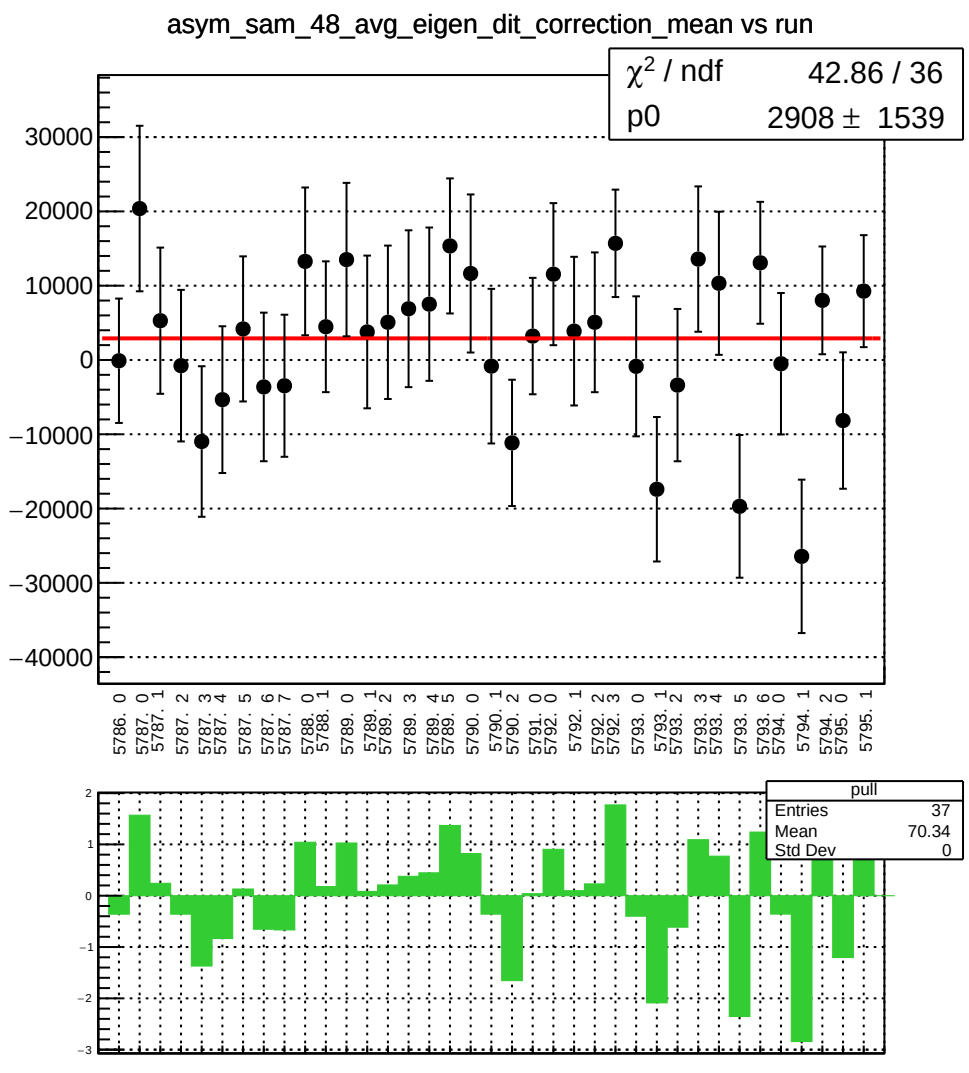

asym_sam_48_avg_dit_correction_mean vs run
χ² / ndf 42.86 / 36
p0 2908 ± 1539
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.34
Std Dev 0
2
1
0
−1
−2
−3

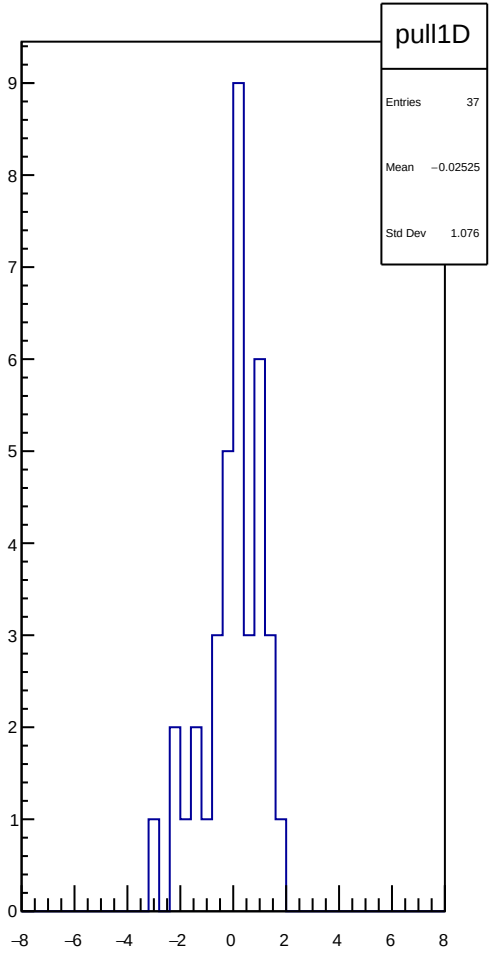

pull1D
Entries 37
Mean −0.02525
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

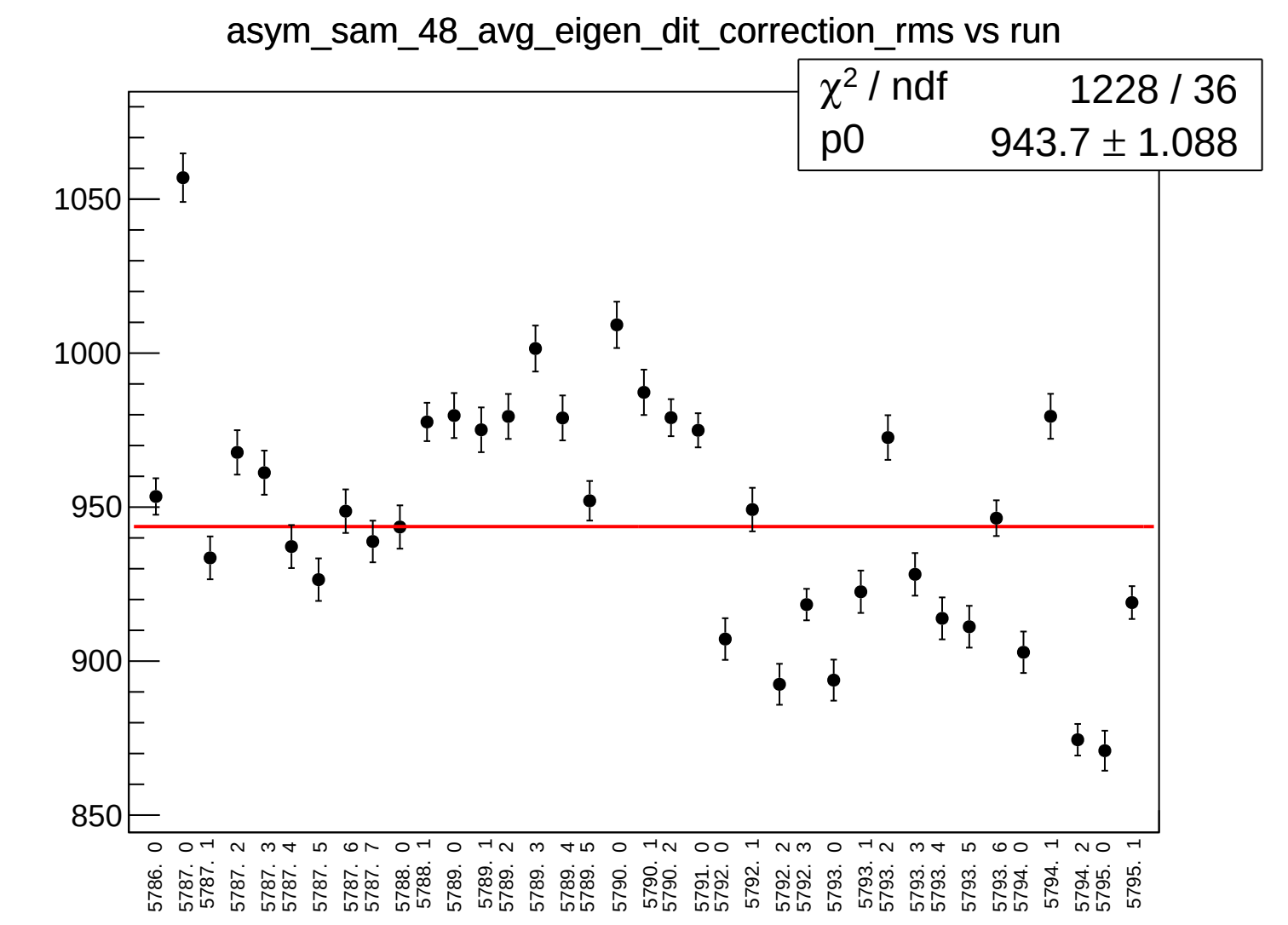

asym_sam_48_avg_dit_correction_rms vs run
χ² / ndf 1228 / 36
p0 943.7 ± 1.088
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

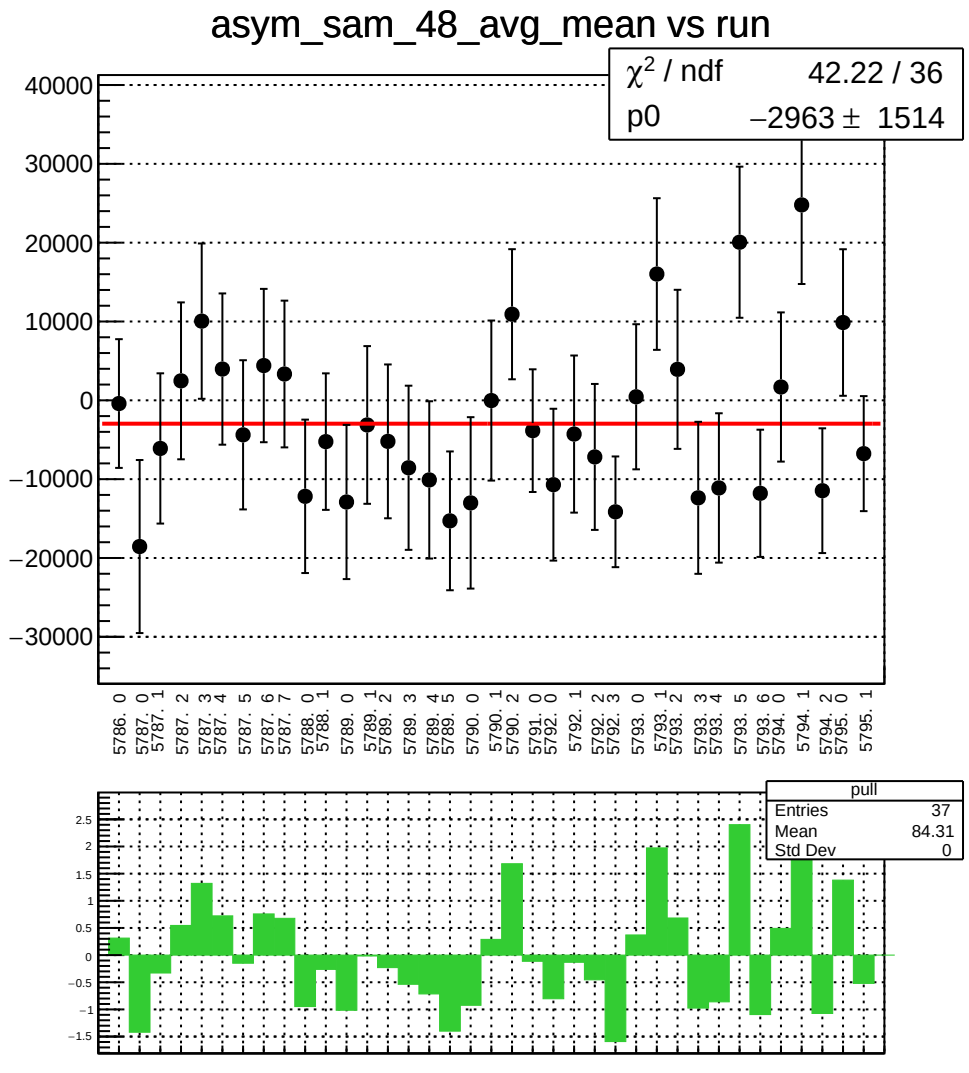

eigen_dit_asym_sam_48_avg_mean vs run
χ² / ndf 43.69 / 36
p0 −5.886 ± 194.4
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.673
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.04699
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

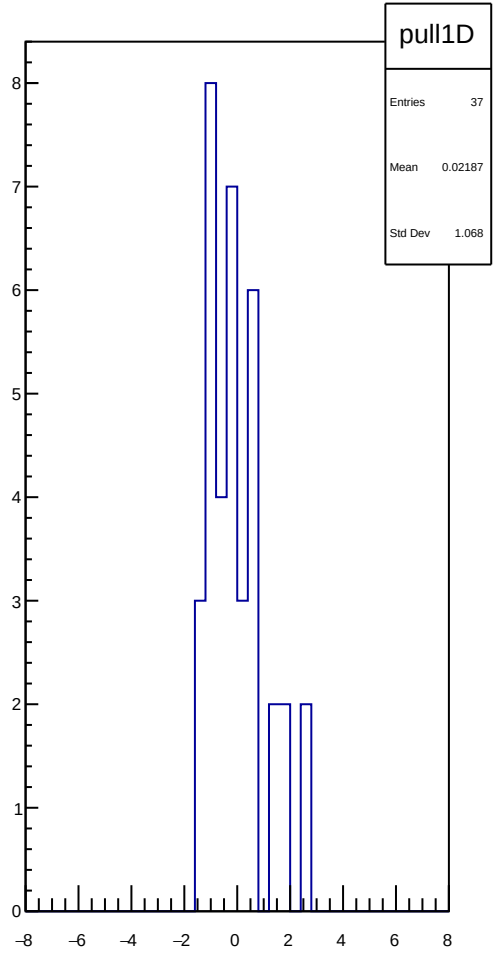

eigen_dit_asym_sam_48_avg_rms vs run
χ² / ndf 8136 / 36
p0 118.6 ± 0.1375
190
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

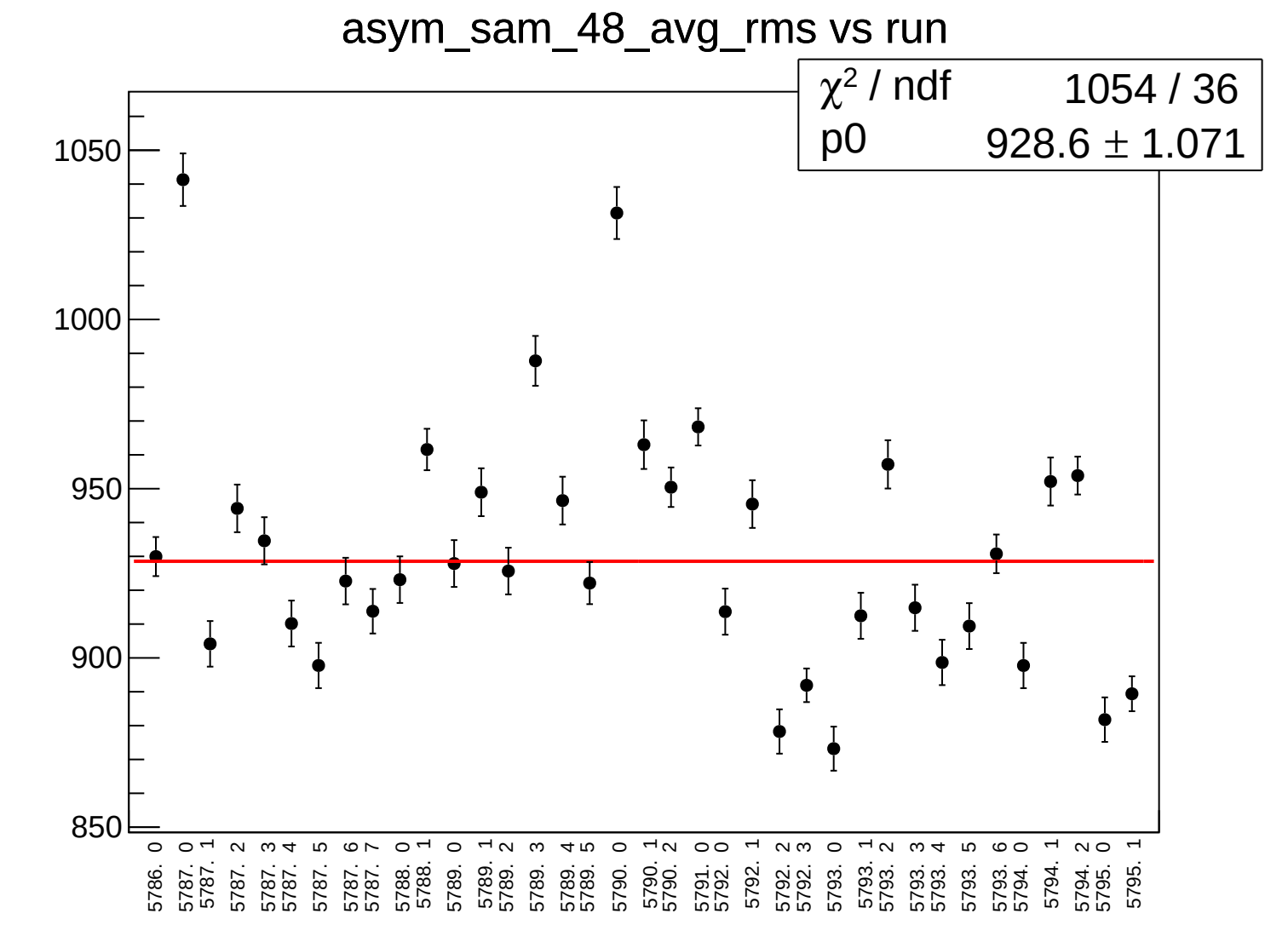

asym_sam_48_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.86 / 36
p0 2908 ± 1539
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.34
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.02525
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_48_avg_eigen_dit_correction_rms vs run
χ² / ndf 1228 / 36
p0 943.7 ± 1.088
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_48_avg_mean vs run
χ² / ndf 42.22 / 36
p0 −2963 ± 1514
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 84.31
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.02187
Std Dev 1.068
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 1054 / 36
p0 928.6 ± 1.071
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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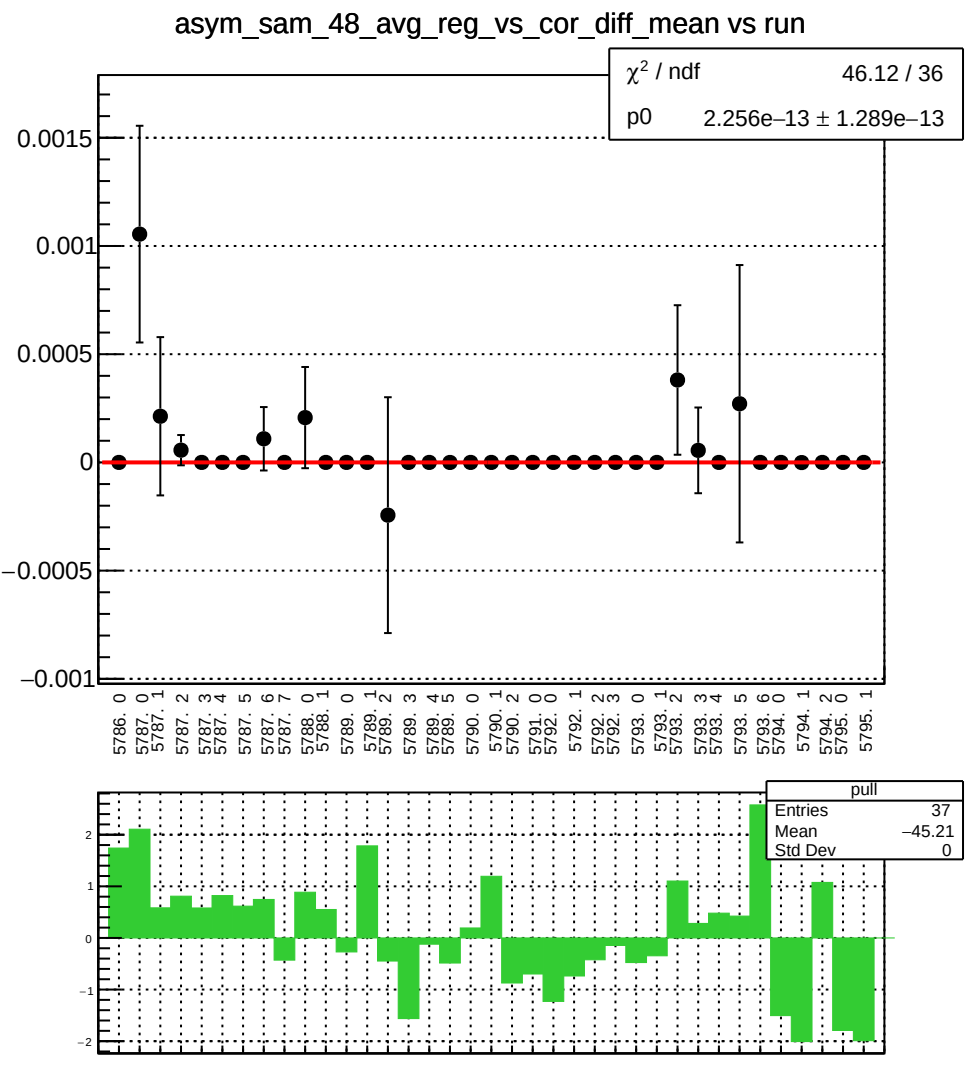
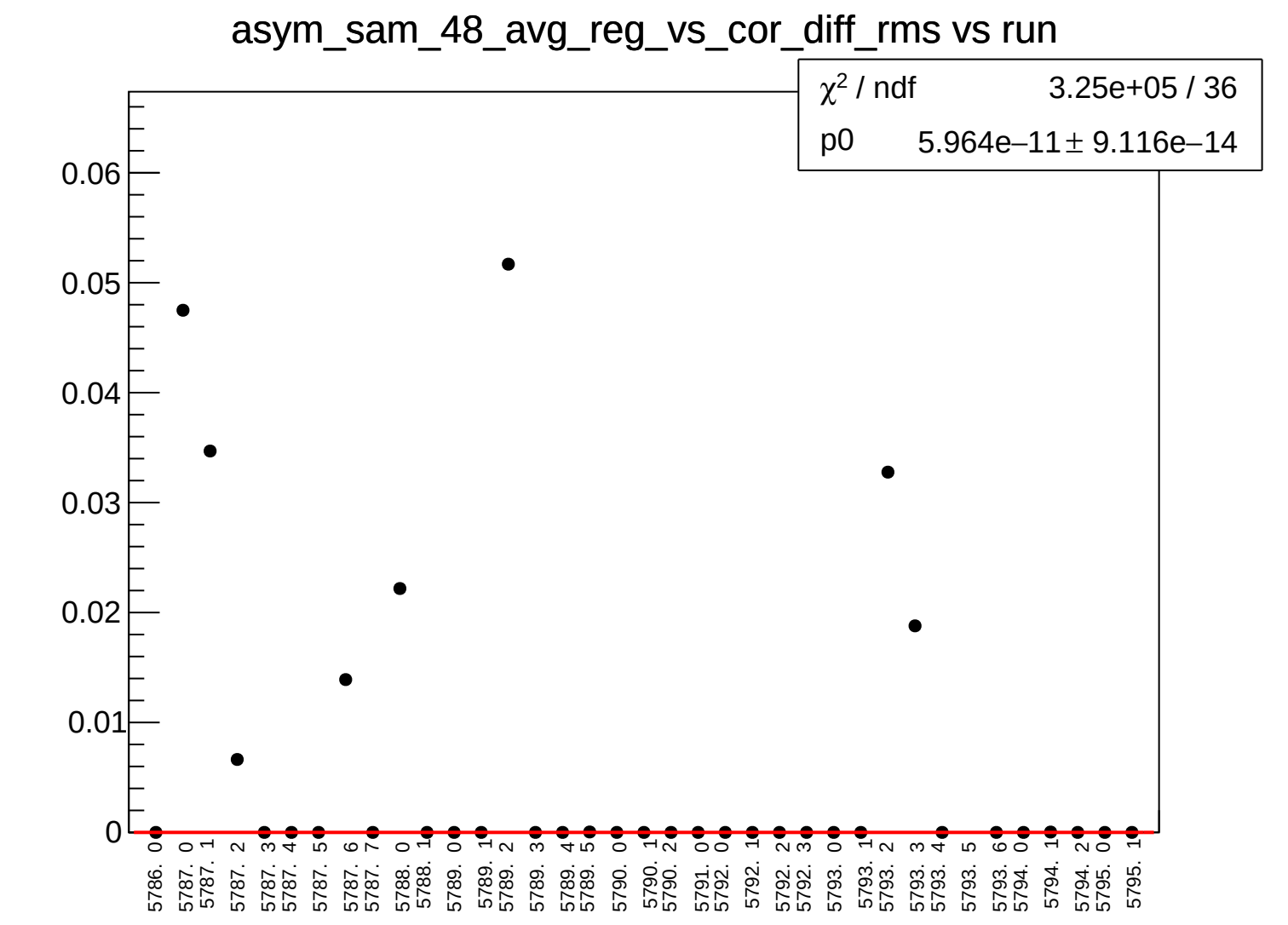
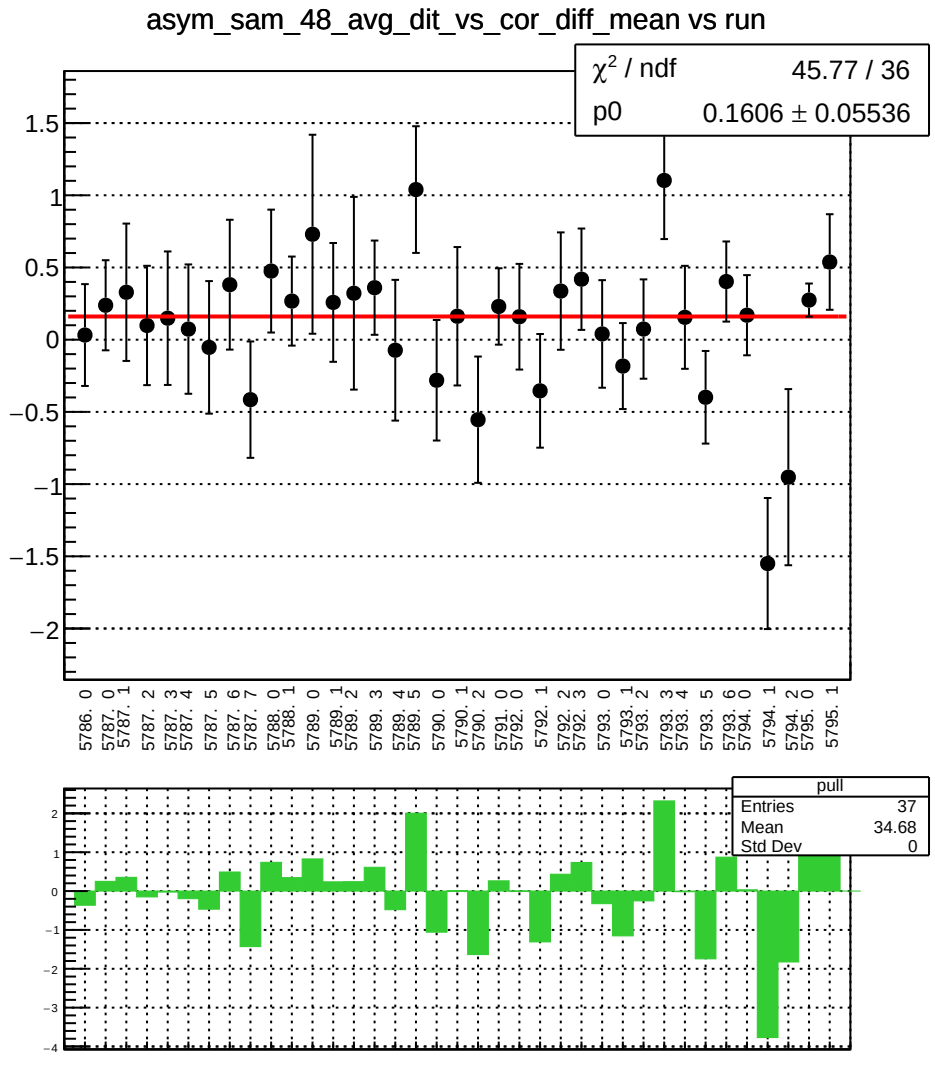
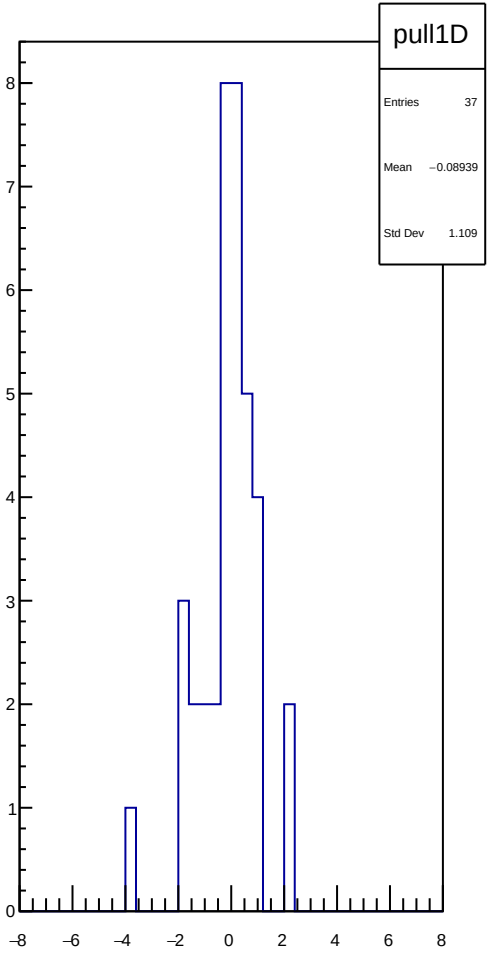
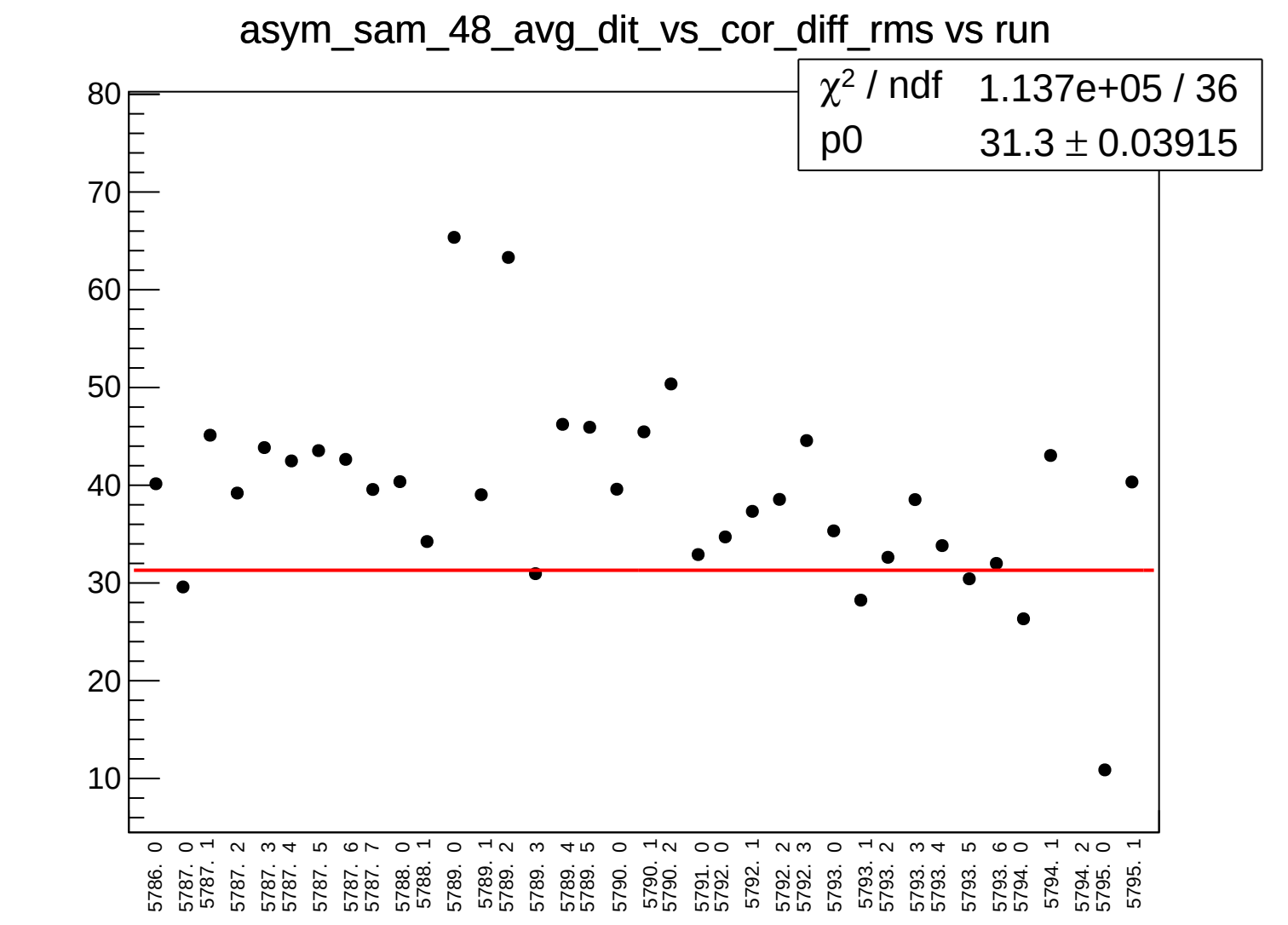
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

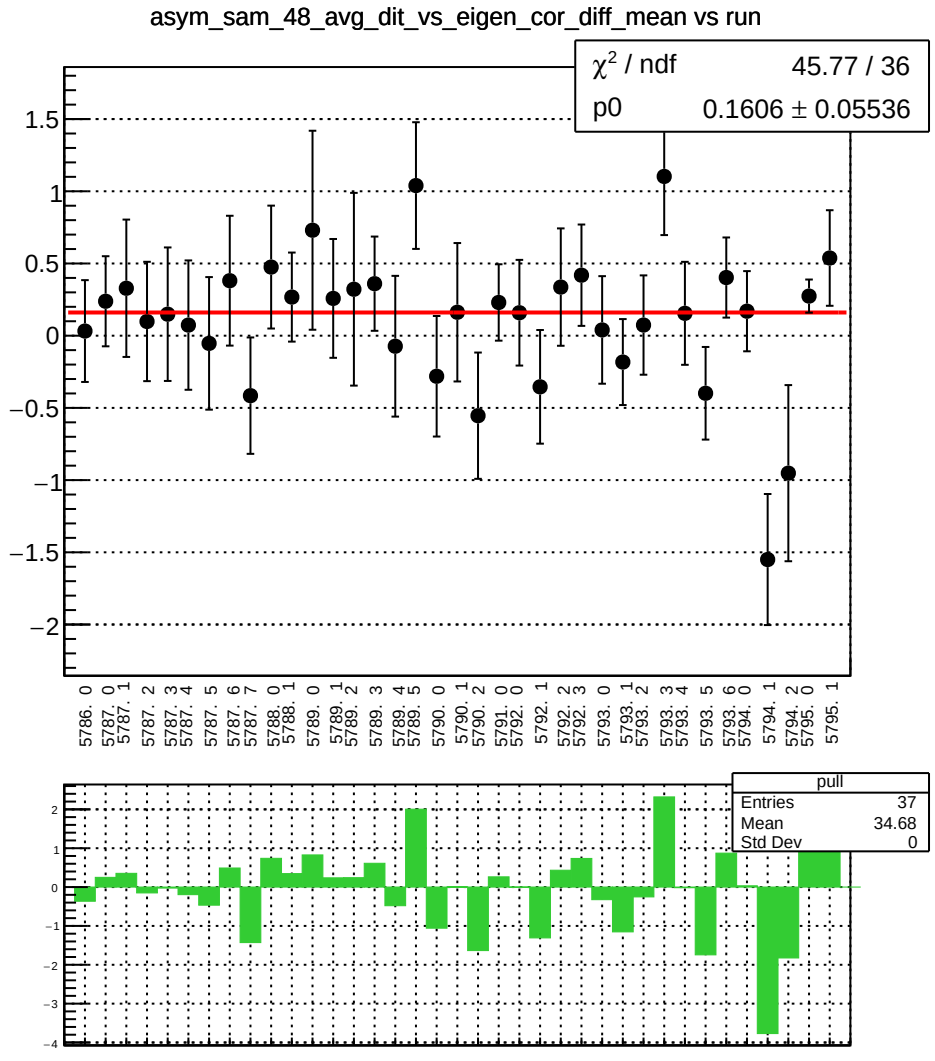

asym_sam_48_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 46.12 / 36
p0 2.256e−13 ± 1.289e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −45.21
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.08143
Std Dev 1.114
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

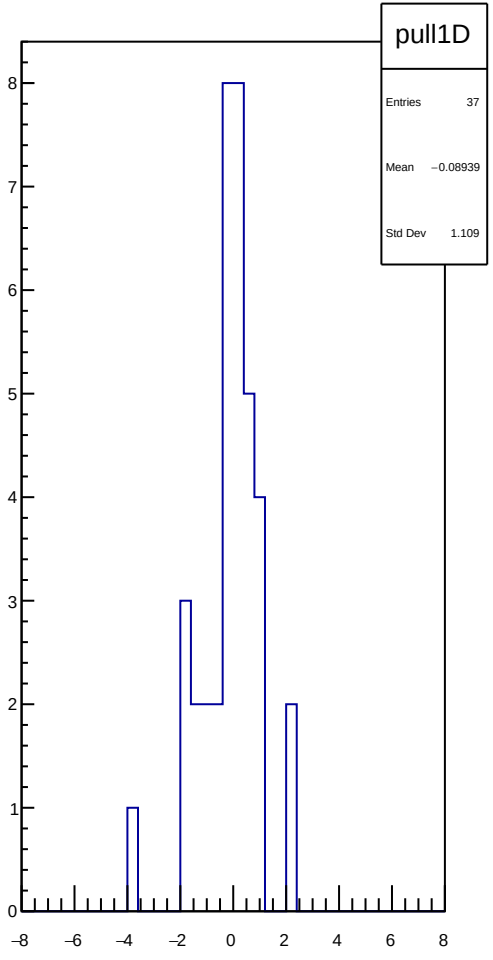

asym_sam_48_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.25e+05 / 36
p0 5.964e−11 ± 9.116e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

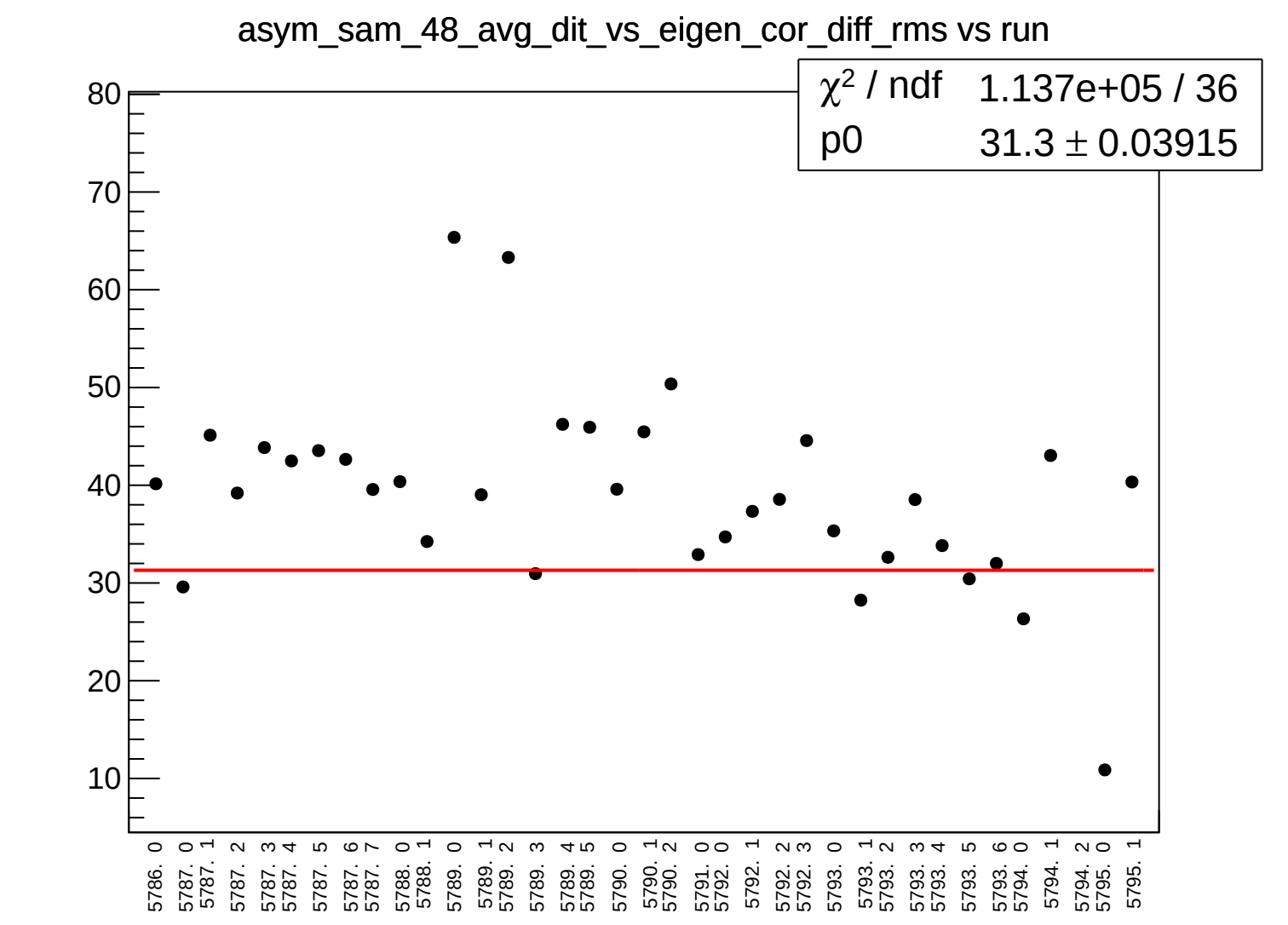

asym_sam_48_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 45.77 / 36
p0 0.1606 ± 0.05536
pull
Entries 37
Mean 34.68
Std Dev 0

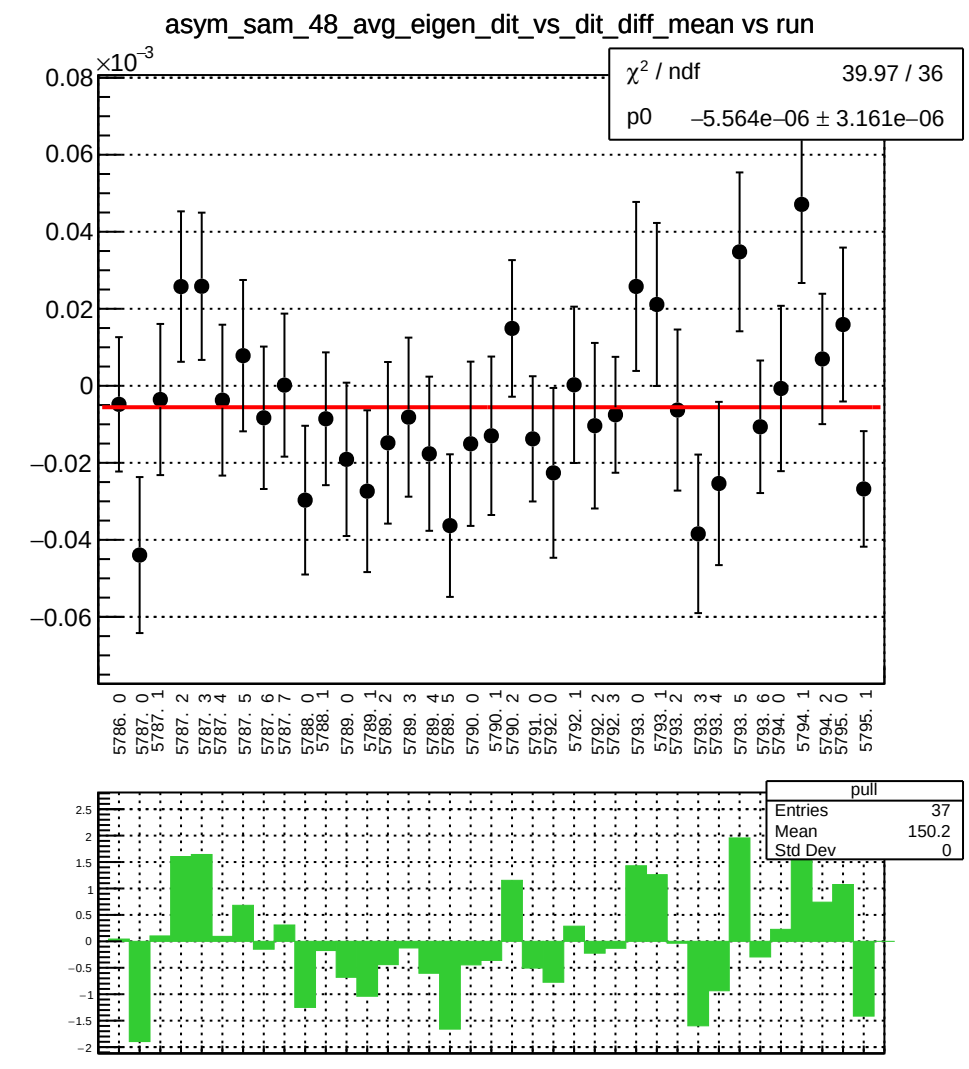

pull1D
Entries 37
Mean −0.08939
Std Dev 1.109

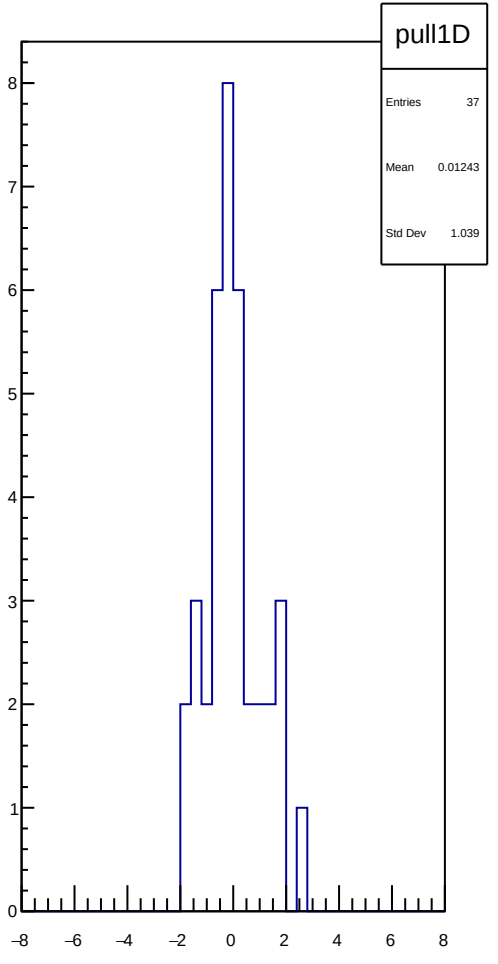

asym_sam_48_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 1.137e+05 / 36
p0 31.3 ± 0.03915
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

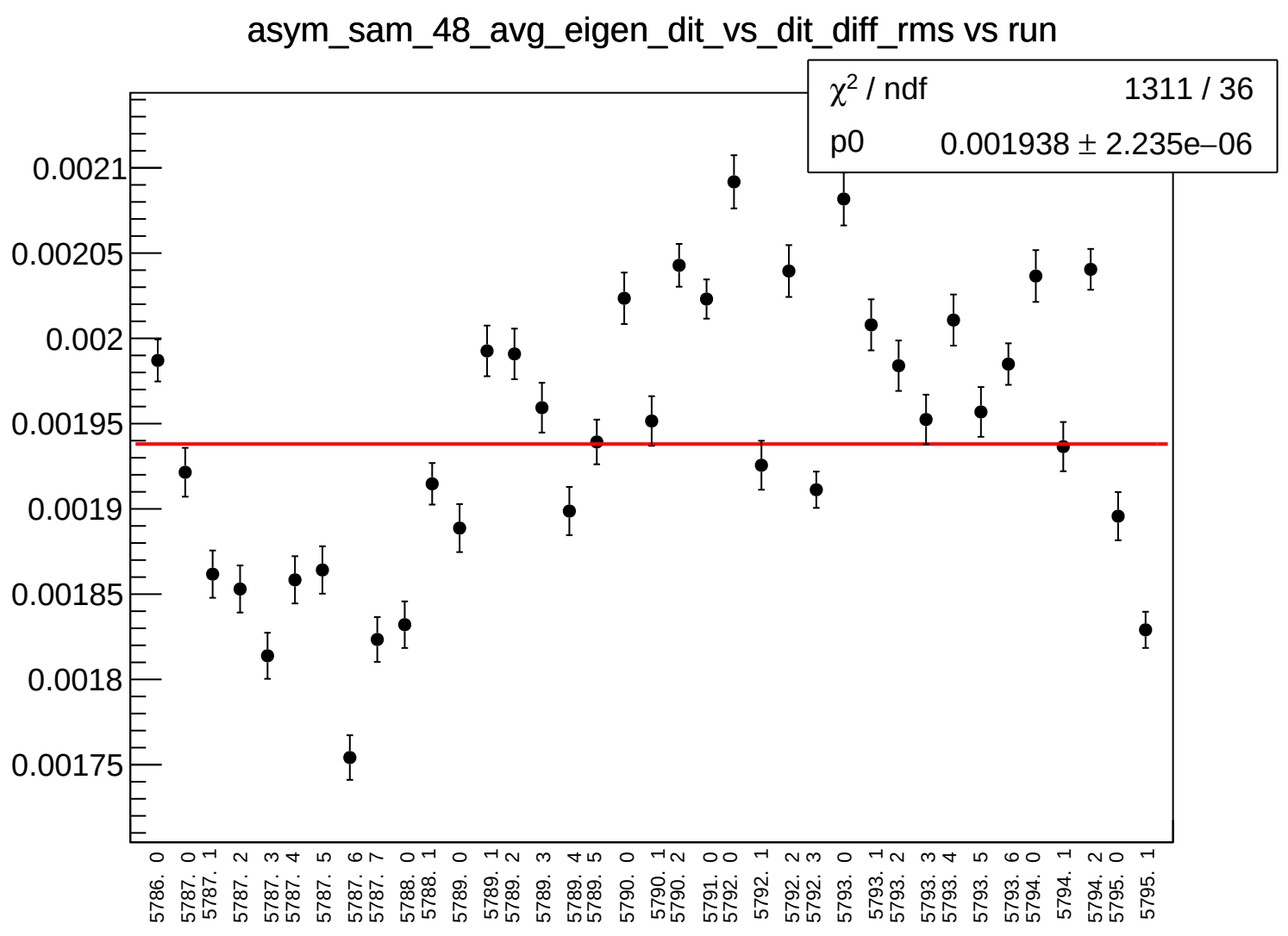

asym_sam_48_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.77 / 36
p0 0.1606 ± 0.05536
pull
Entries 37
Mean 34.68
Std Dev 0

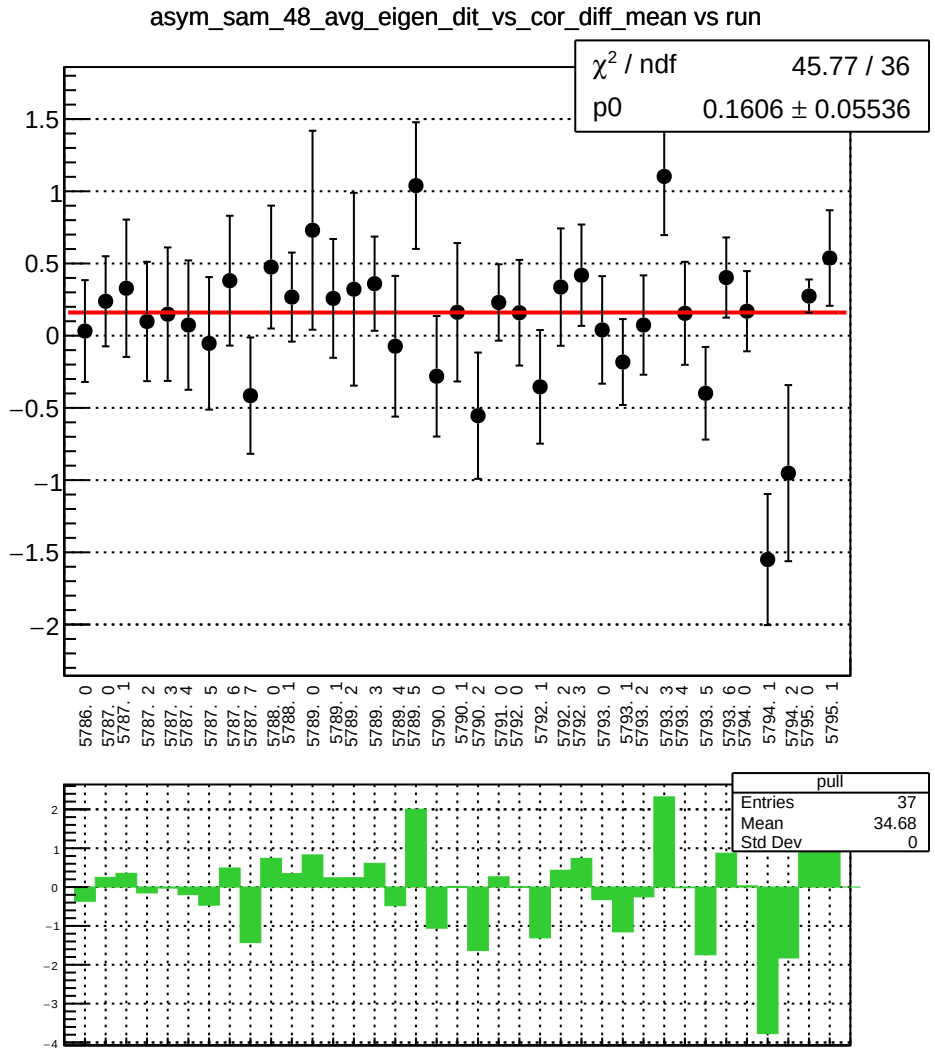

pull1D
Entries 37
Mean −0.08939
Std Dev 1.109

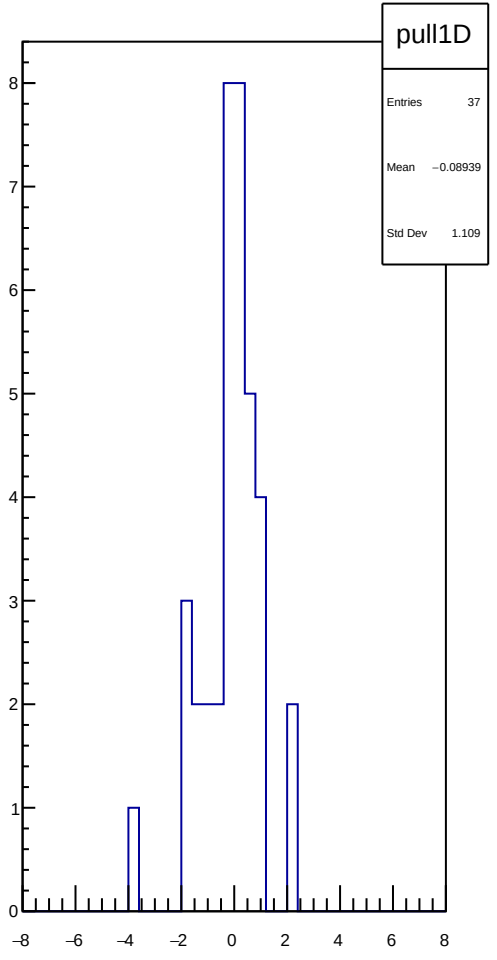

asym_sam_48_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.137e+05 / 36
p0 31.3 ± 0.03915
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

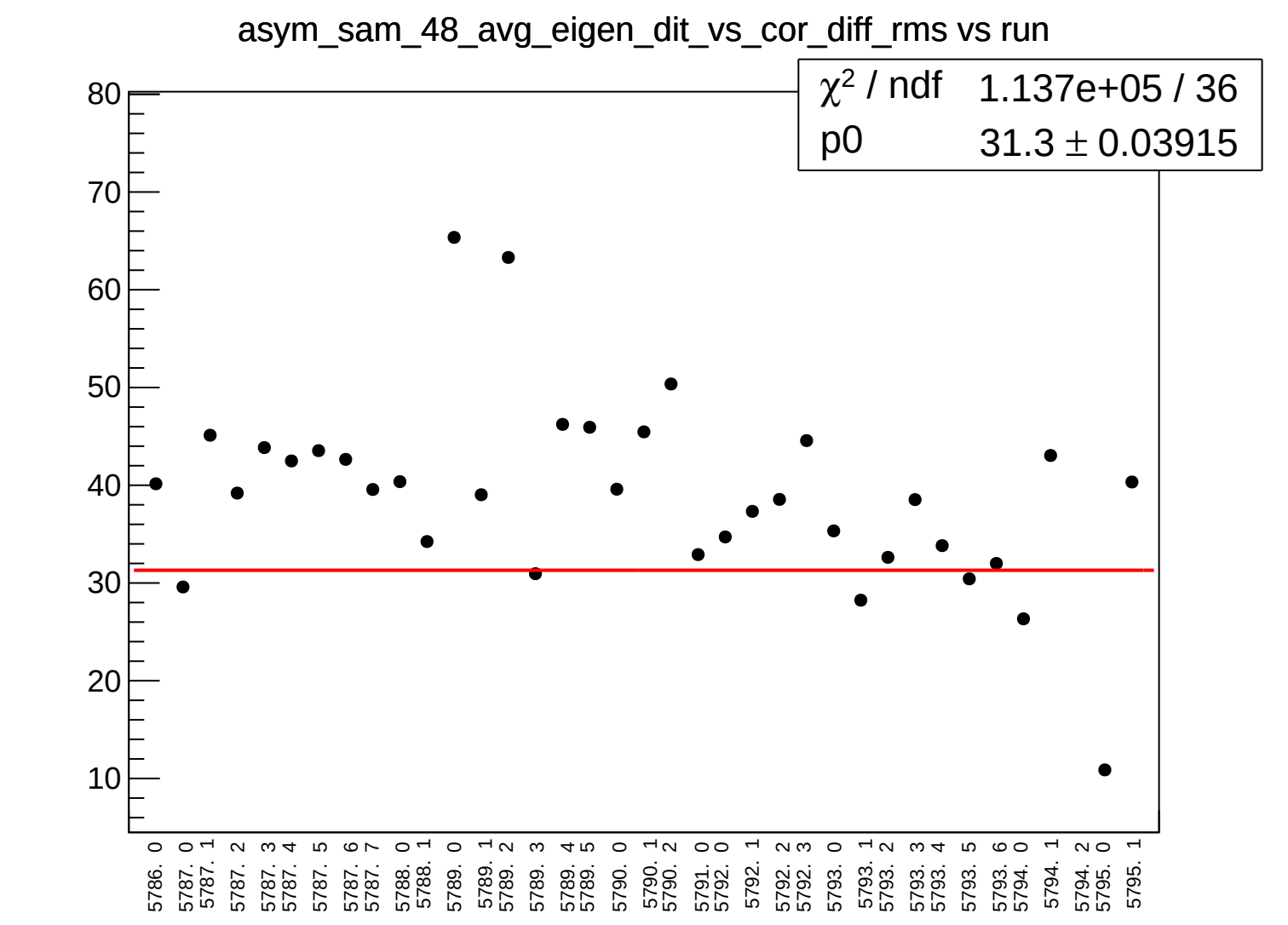

asym_sam_48_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.97 / 36
p0 −5.564e−06 ± 3.161e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 150.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

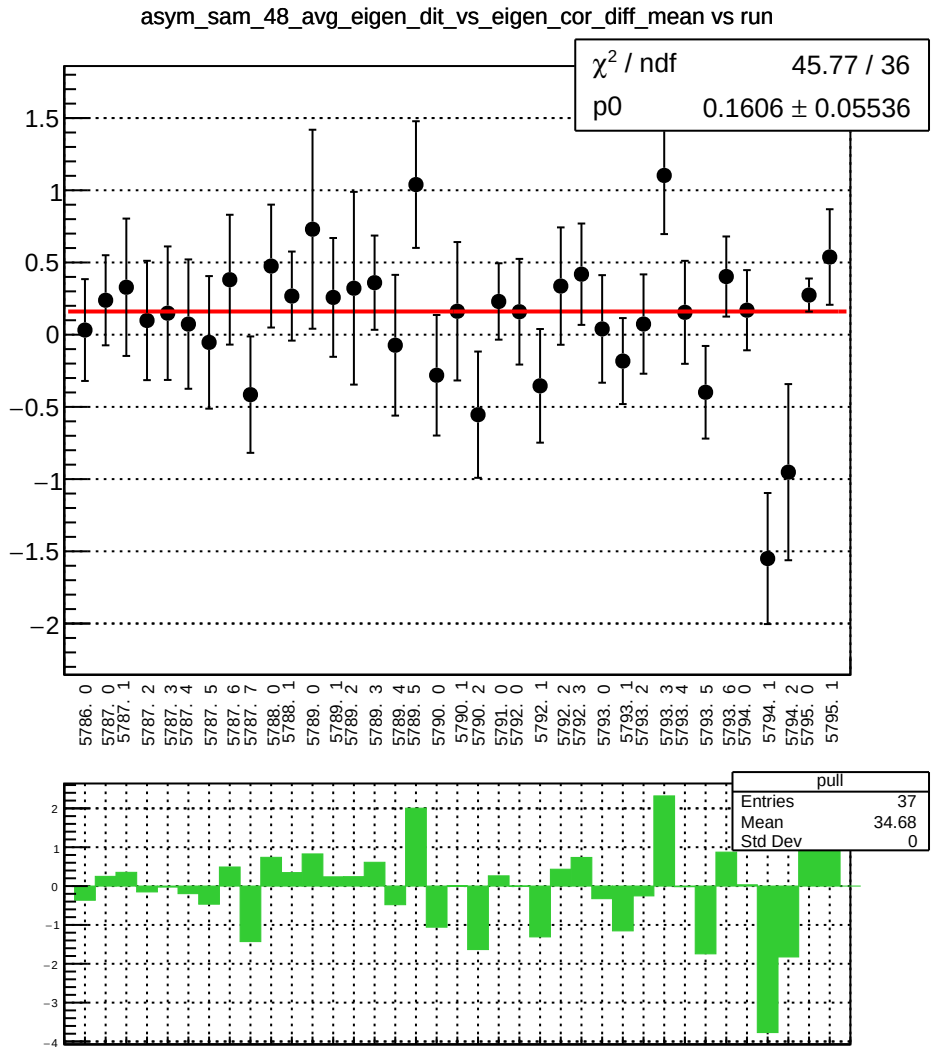

pull1D
Entries 37
Mean 0.01243
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

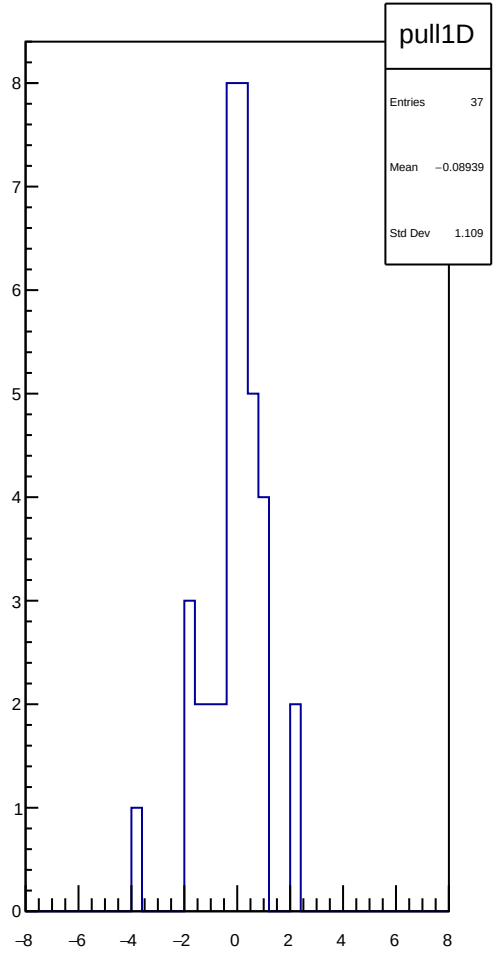

asym_sam_48_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1311 / 36
p0 0.001938 ± 2.235e−06
0.0021
0.00205
0.002
0.00195
0.0019
0.00185
0.0018
0.00175
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

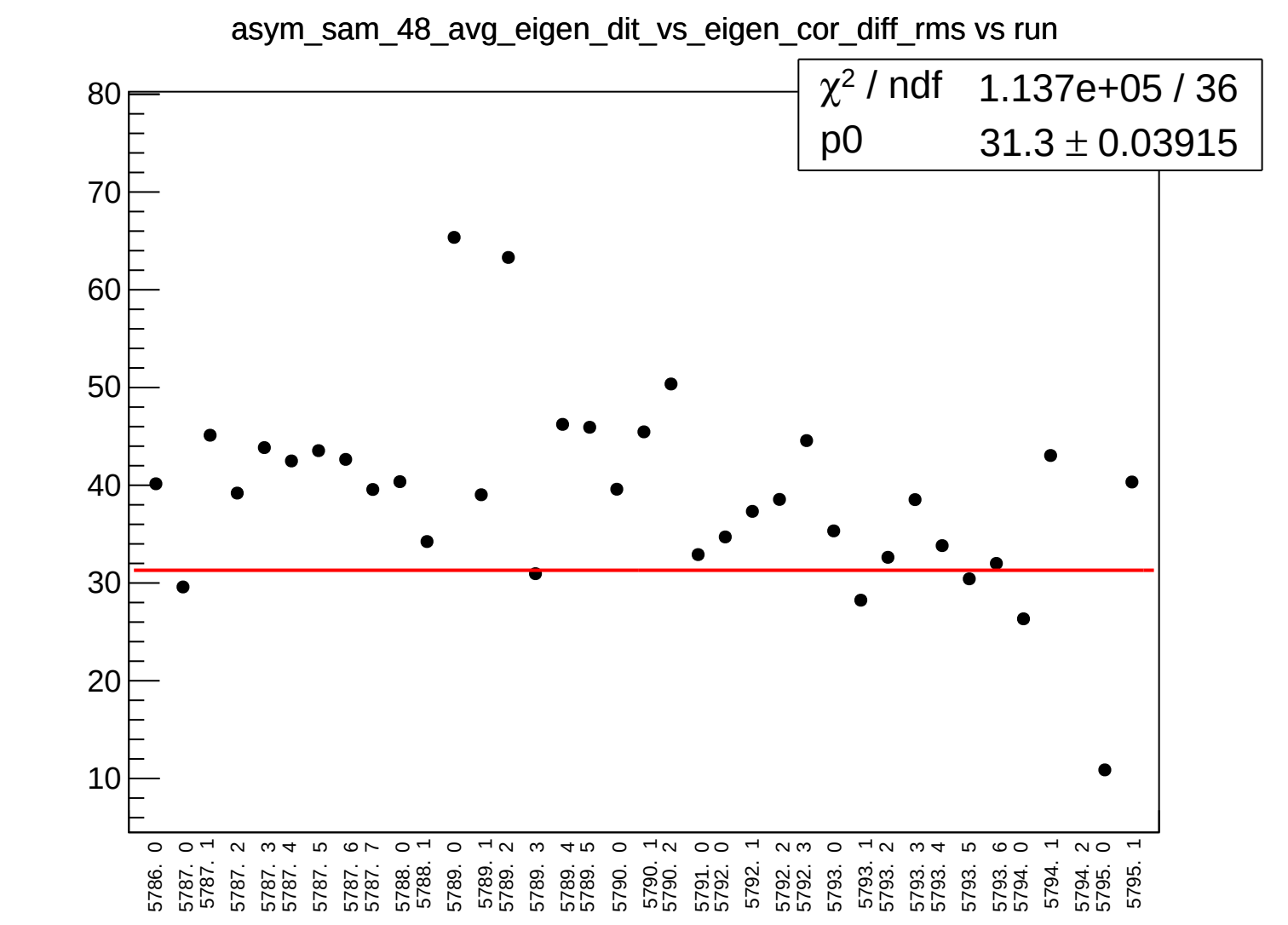

asym_sam_48_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.77 / 36
p0 0.1606 ± 0.05536
pull
Entries 37
Mean 34.68
Std Dev 0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

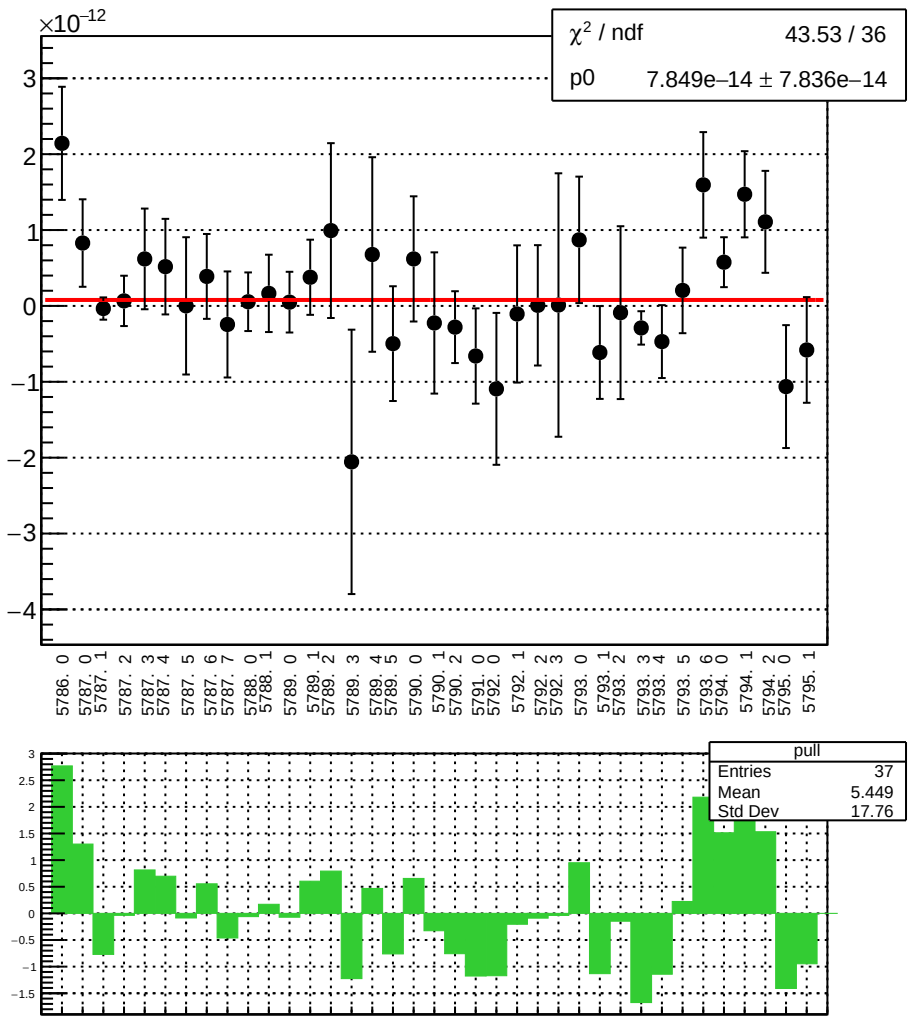

pull1D
Entries 37
Mean −0.08939
Std Dev 1.109

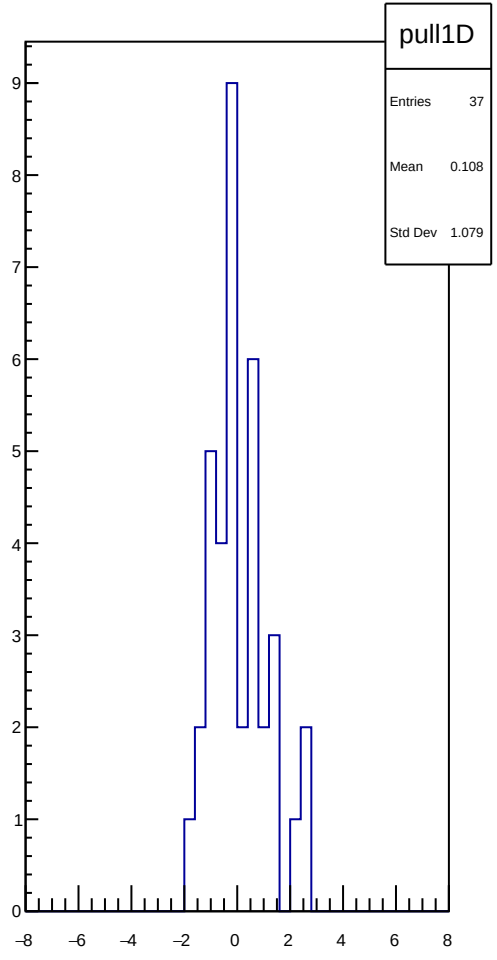

asym_sam_48_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.137e+05 / 36
p0 31.3 ± 0.03915
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

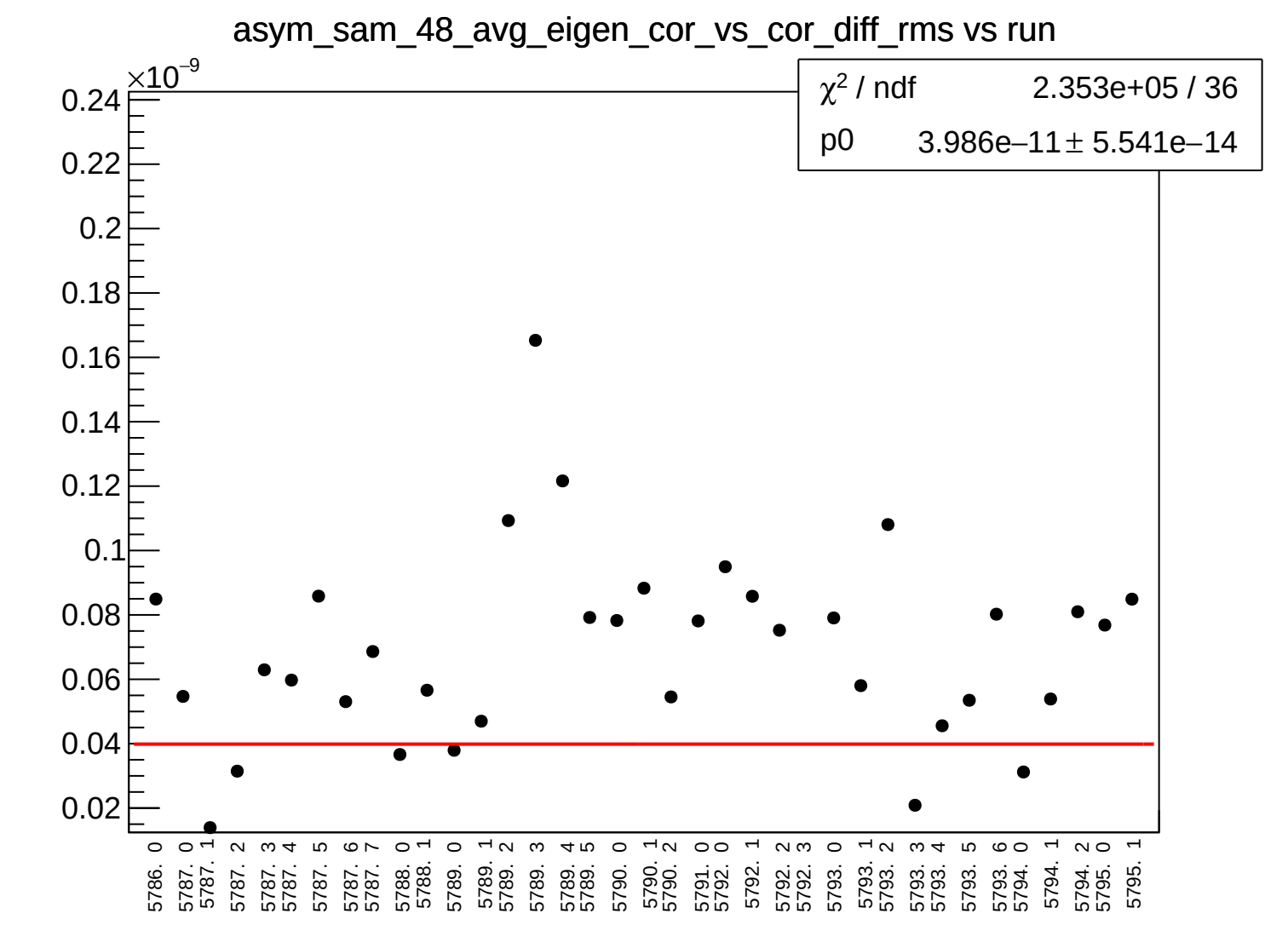

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.77 / 36
p0 0.1606 ± 0.05536
pull
Entries 37
Mean 34.68
Std Dev 0

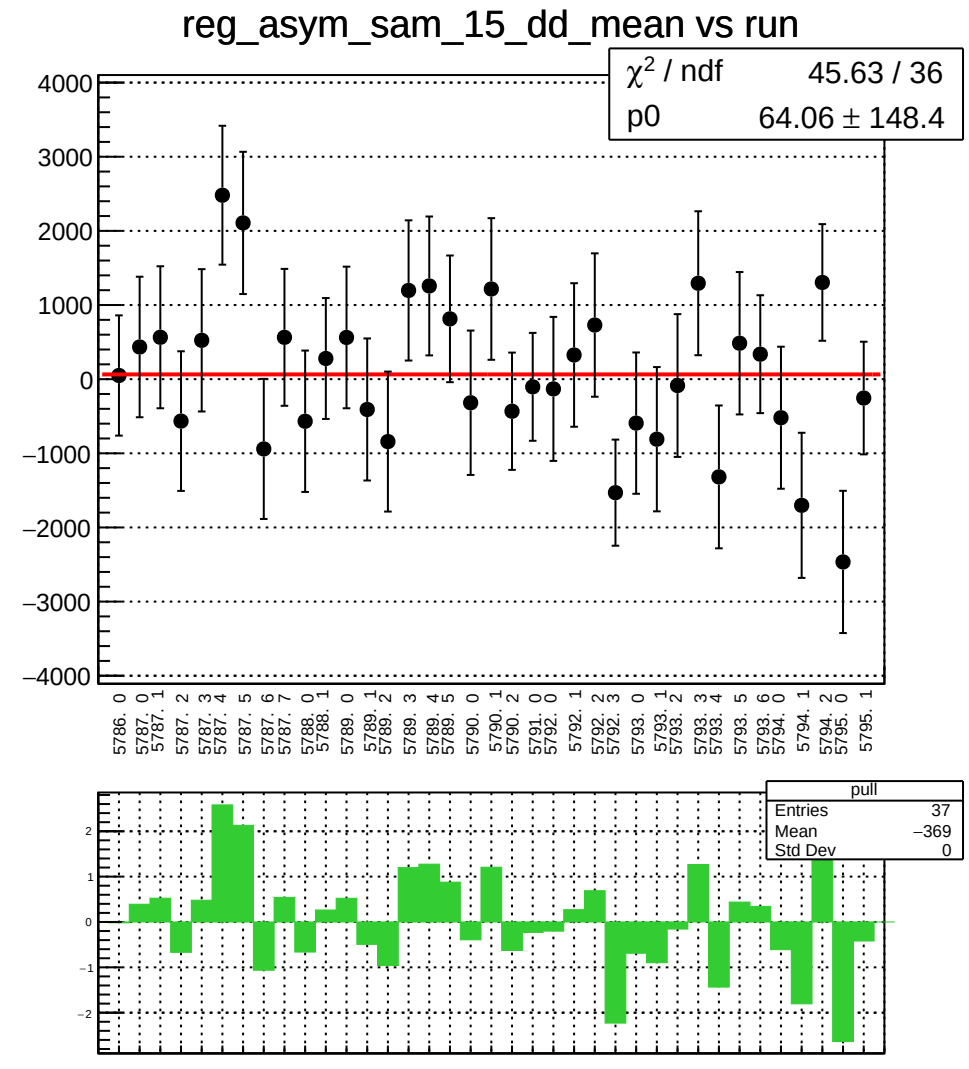

pull1D
Entries 37
Mean −0.08939
Std Dev 1.109

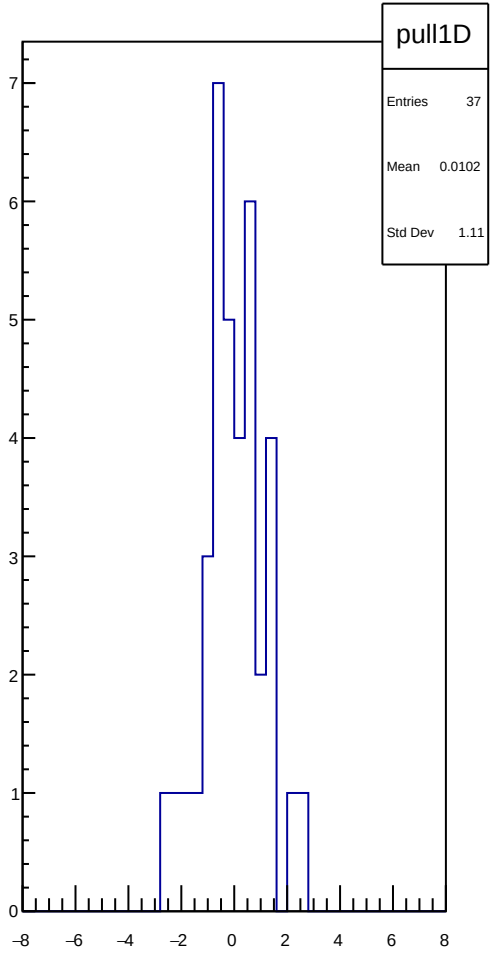

asym_sam_48_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.137e+05 / 36
p0 31.3 ± 0.03915
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

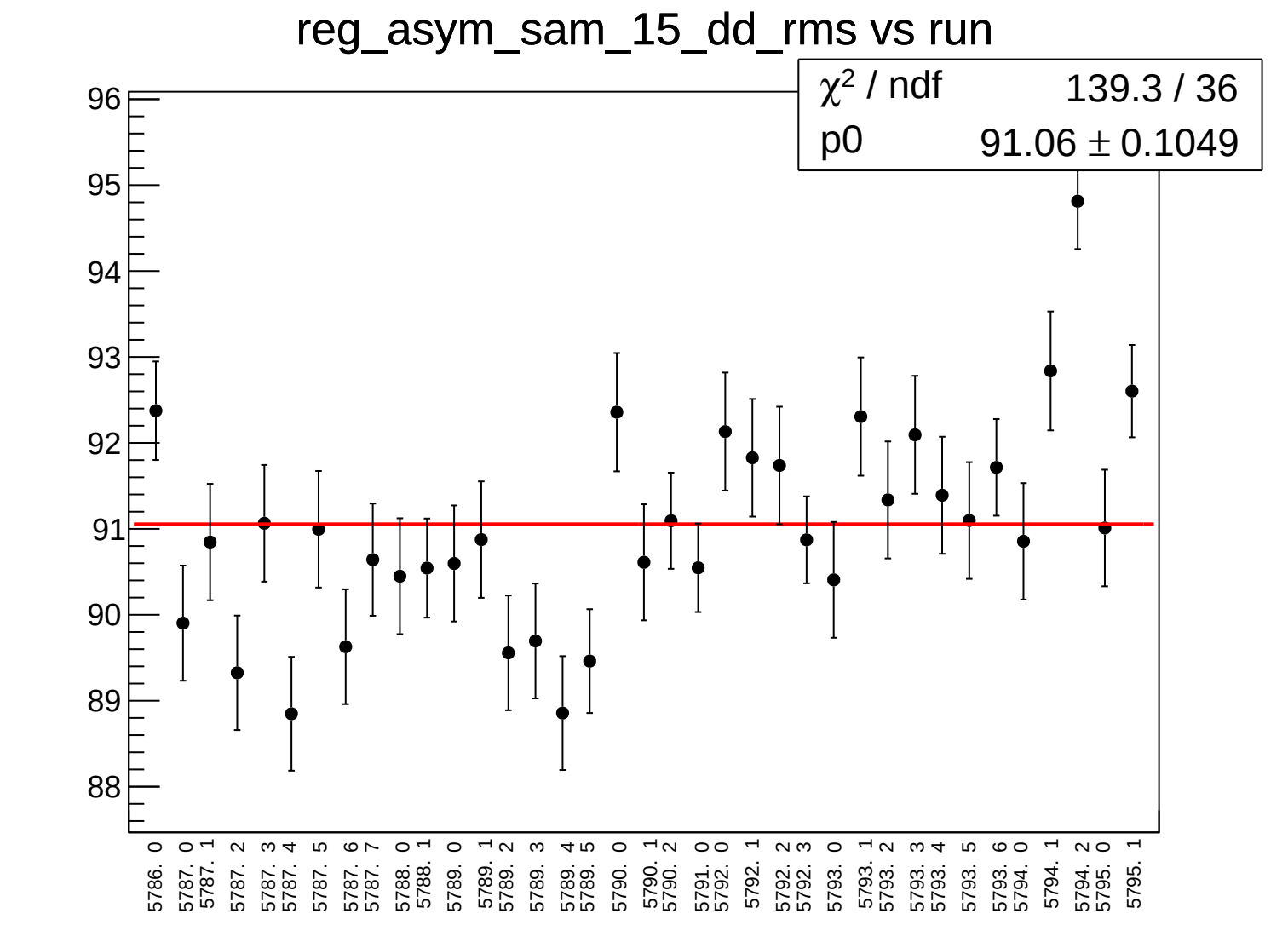

asym_sam_48_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 43.53 / 36
p0 7.849e−14 ± 7.836e−14
pull
Entries 37
Mean 5.449
Std Dev 17.76

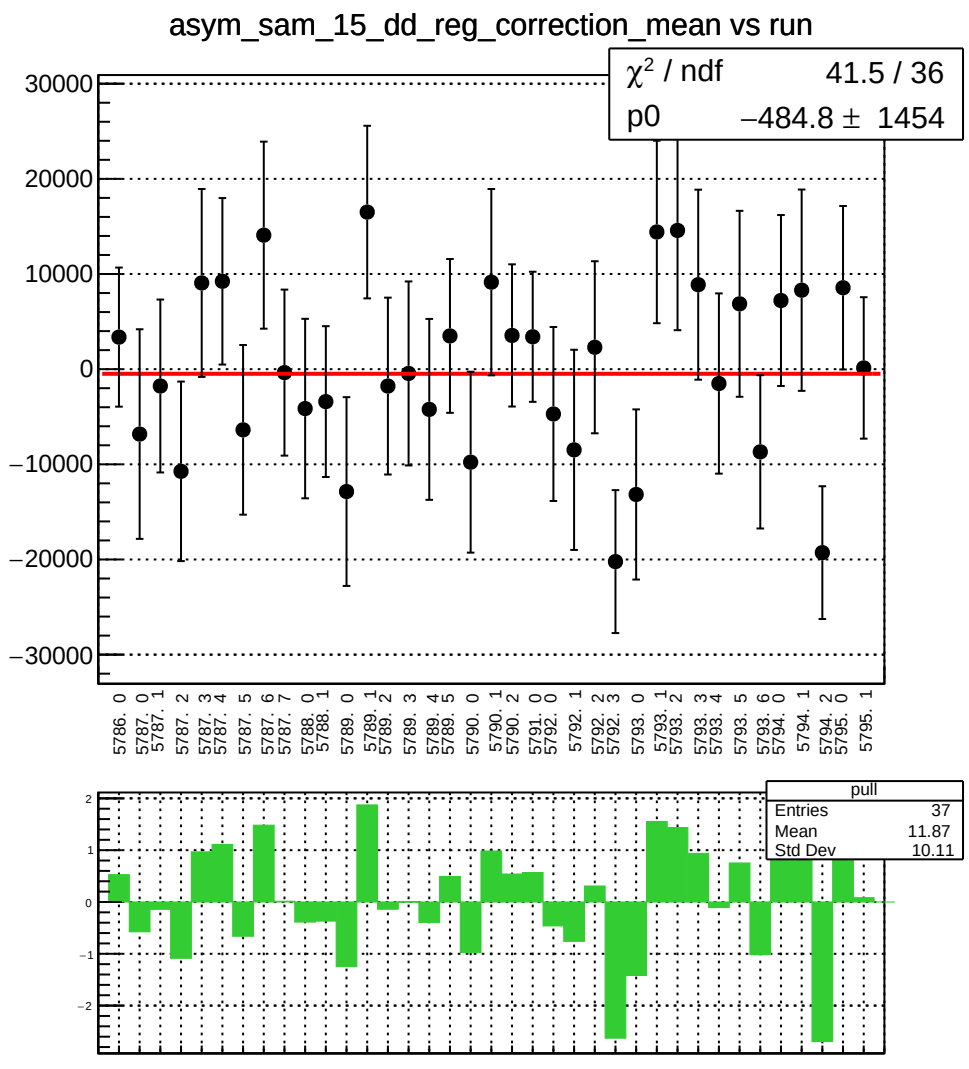

pull1D
Entries 37
Mean 0.108
Std Dev 1.079

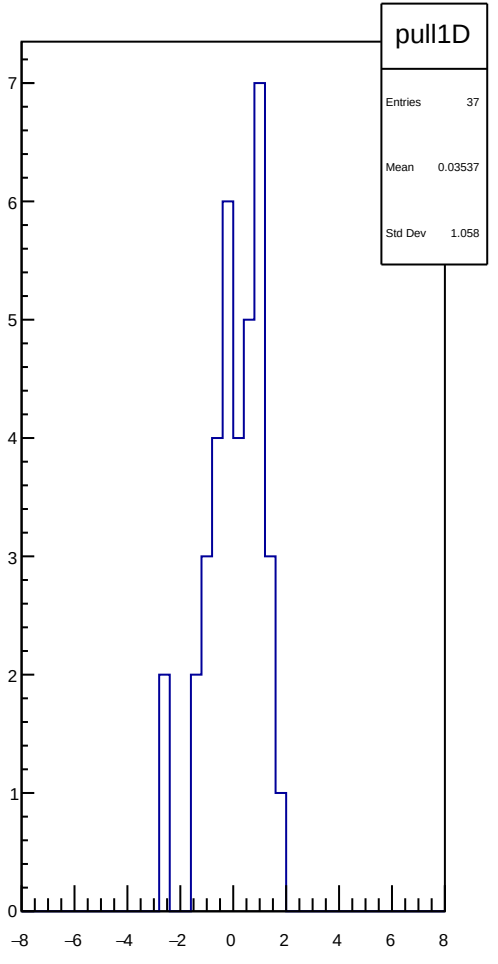

asym_sam_48_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.353e+05 / 36
p0 3.986e−11 ± 5.541e−14
0.24
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

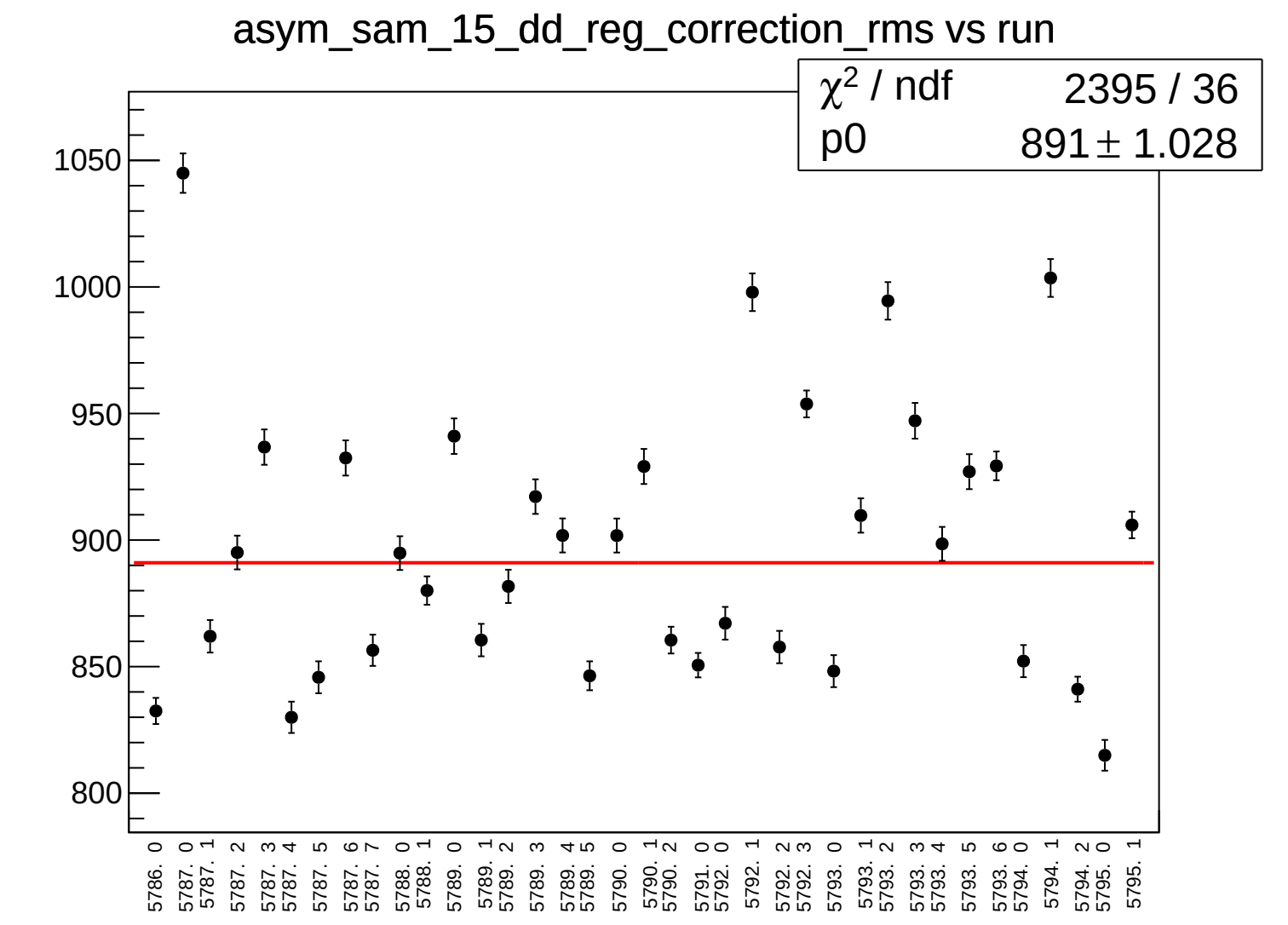

reg_asym_sam_15_dd_mean vs run
χ² / ndf 45.63 / 36
p0 64.06 ± 148.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −369
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0102
Std Dev 1.11
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 139.3 / 36
p0 91.06 ± 0.1049
96
95
94
93
92
91
90
89
88
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_dd_reg_correction_mean vs run
χ² / ndf 41.5 / 36
p0 −484.8 ± 1454
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.87
Std Dev 10.11
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.03537
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_reg_correction_rms vs run
χ² / ndf 2395 / 36
p0 891 ± 1.028
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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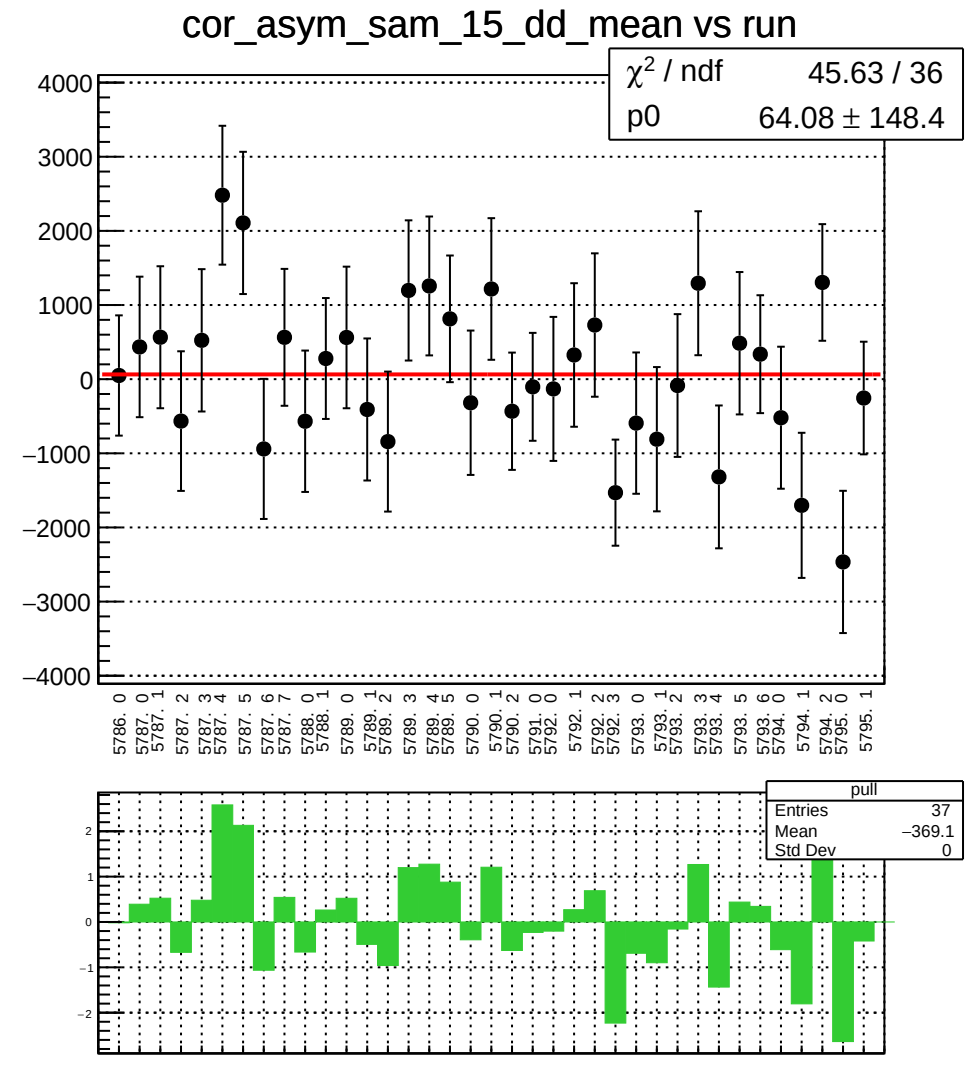
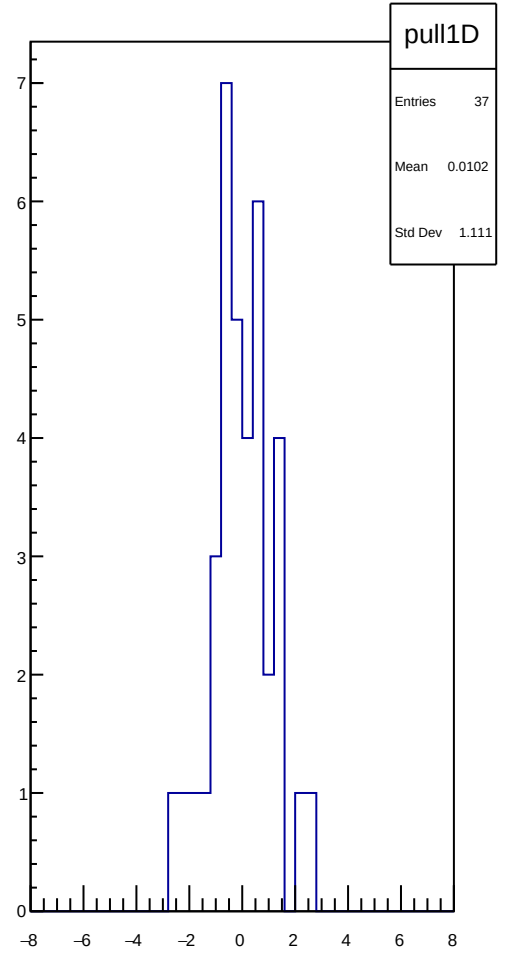
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam_15_dd_mean vs run
χ² / ndf 45.63 / 36
p0 64.08 ± 148.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −369.1
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.0102
Std Dev 1.111
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3
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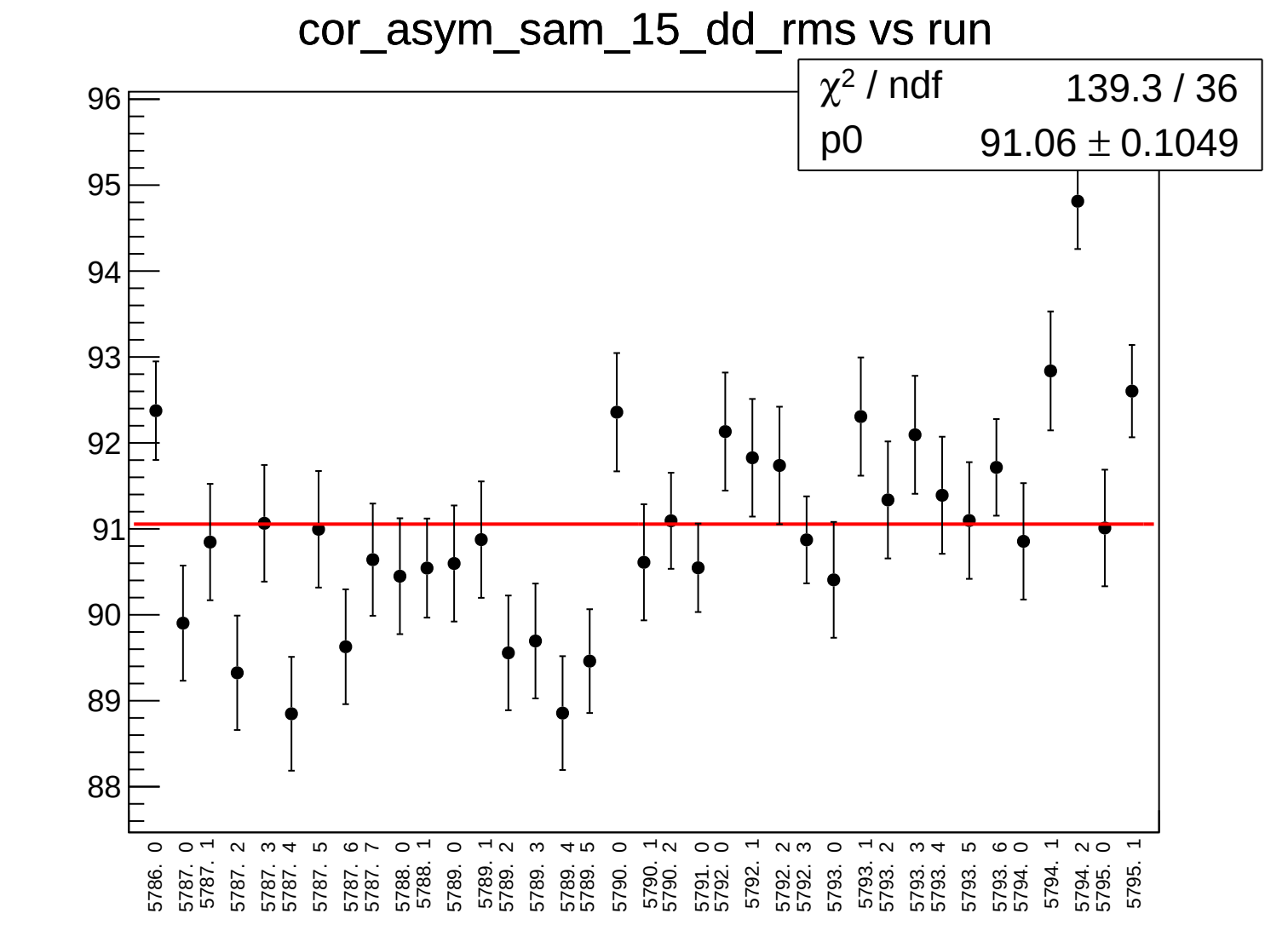
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_15_dd_rms vs run
χ² / ndf 139.3 / 36
p0 91.06 ± 0.1049
96
95
94
93
92
91
90
89
88
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
5794. 0
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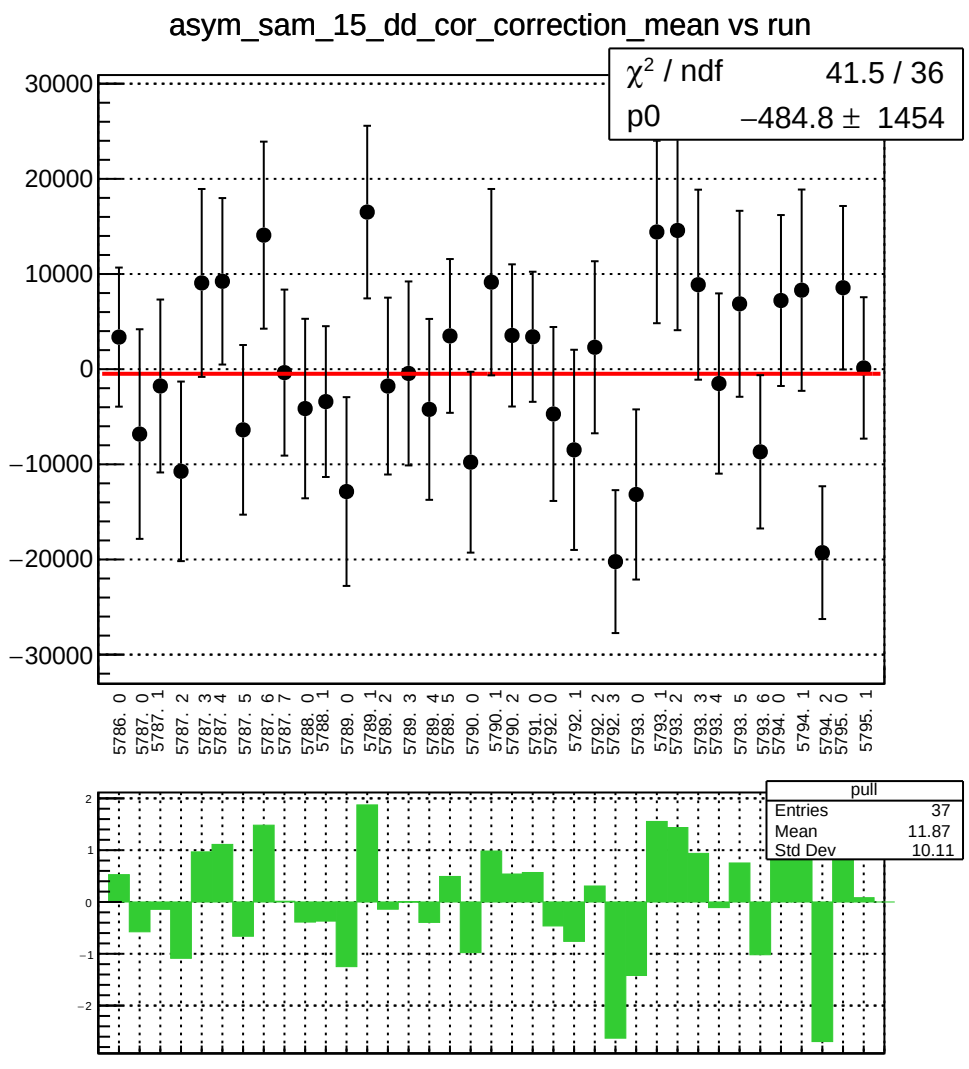
5794. 2
5795. 0
5795. 1


asym_sam_15_dd_cor_correction_mean vs run
χ² / ndf 41.5 / 36
p0 −484.8 ± 1454
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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5794. 2
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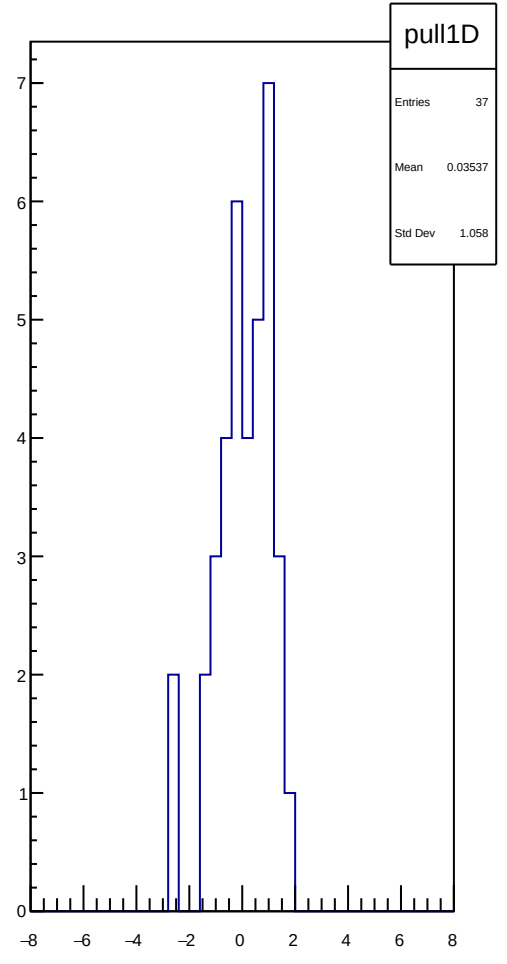
pull
Entries 37
Mean 11.87
Std Dev 10.11
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.03537
Std Dev 1.058
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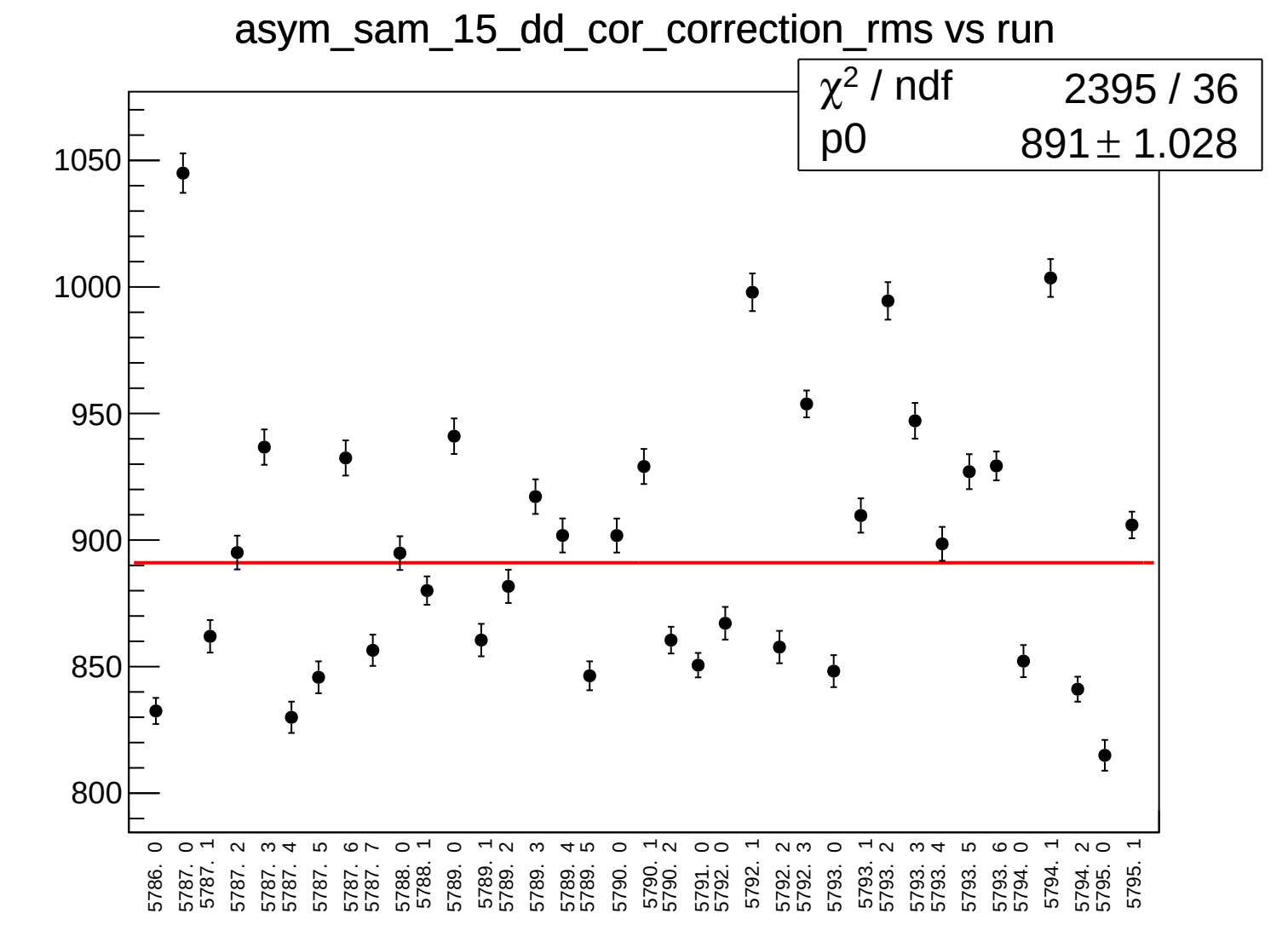
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_dd_cor_correction_rms vs run
χ² / ndf 2395 / 36
p0 891 ± 1.028
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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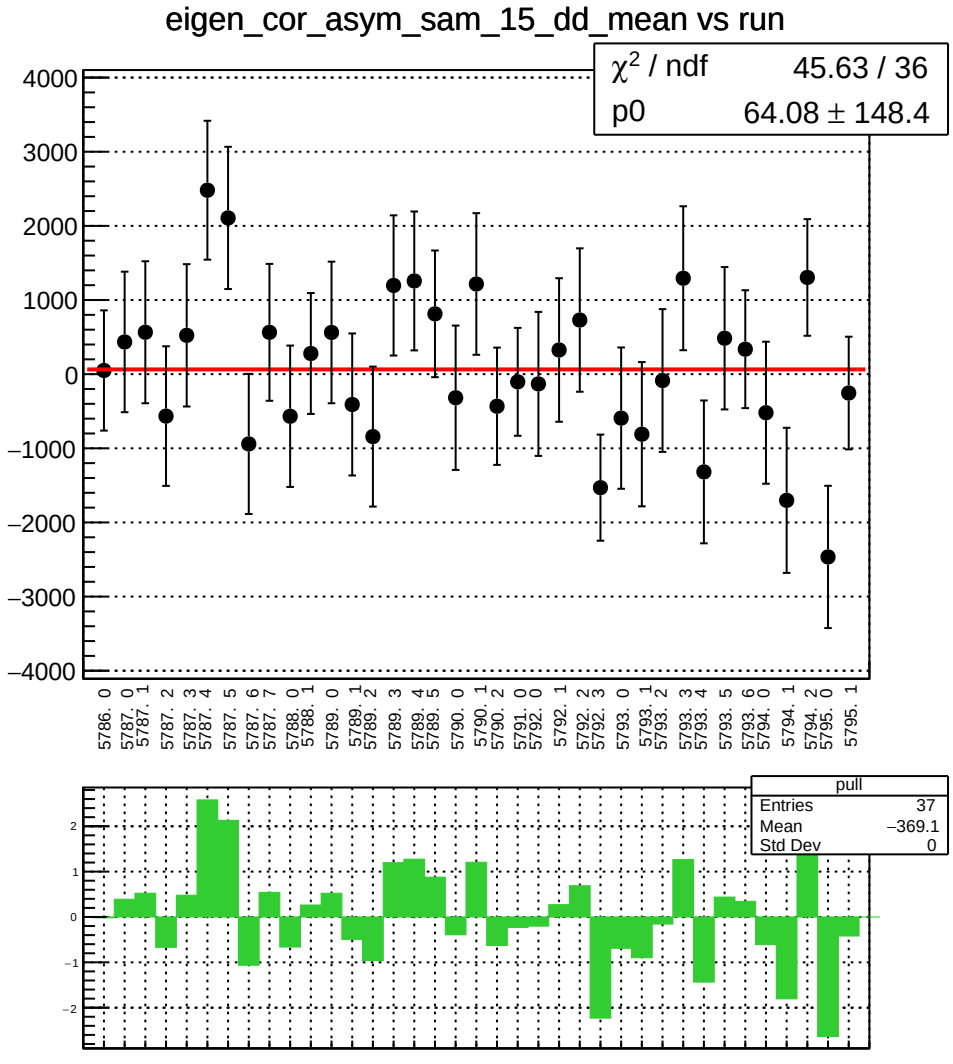
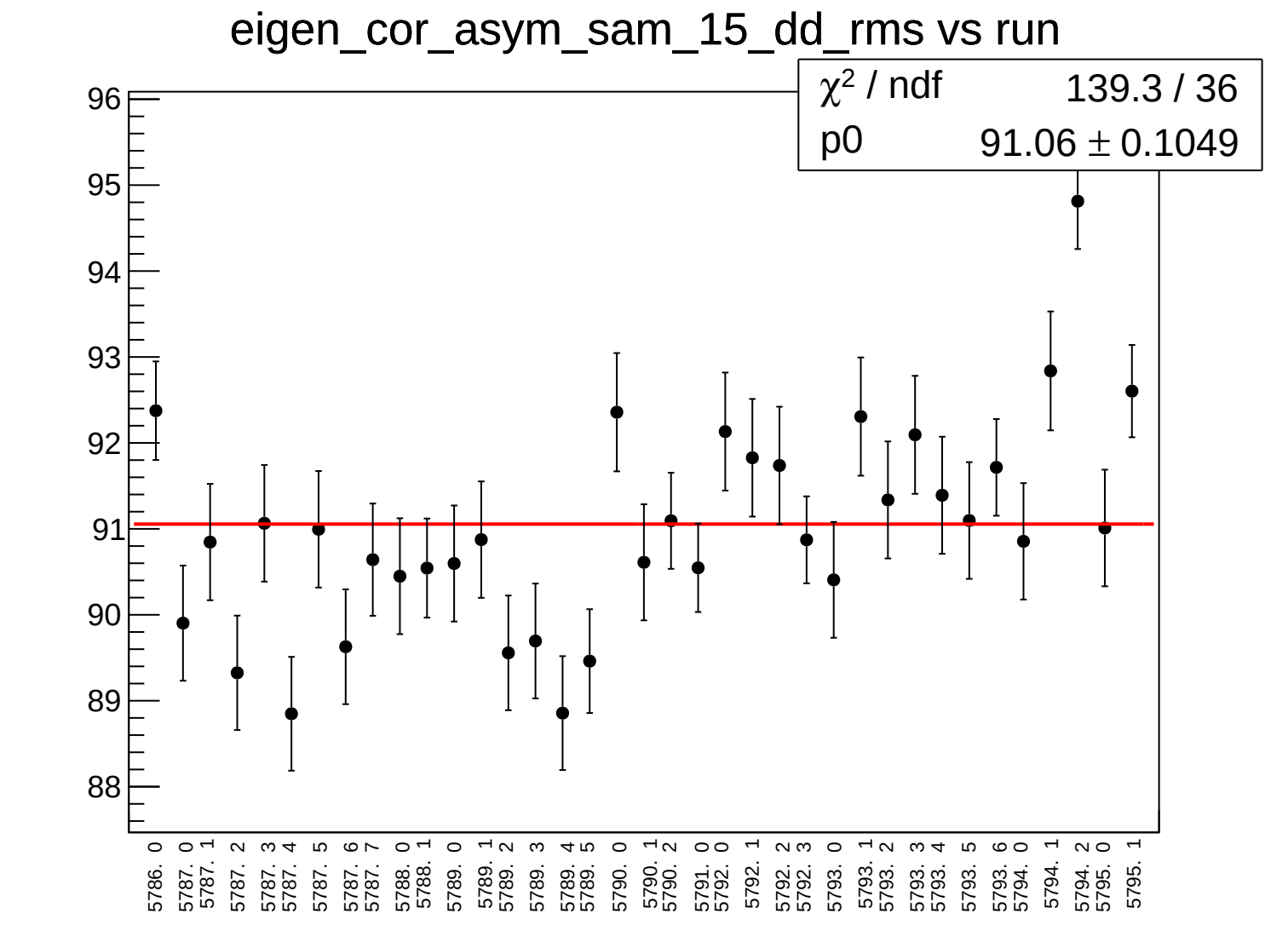
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam_15_dd_mean vs run
χ² / ndf 45.63 / 36
p0 64.08 ± 148.4
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −369.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.0102
Std Dev 1.111
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_15_dd_rms vs run
χ² / ndf 139.3 / 36
p0 91.06 ± 0.1049
96
95
94
93
92
91
90
89
88
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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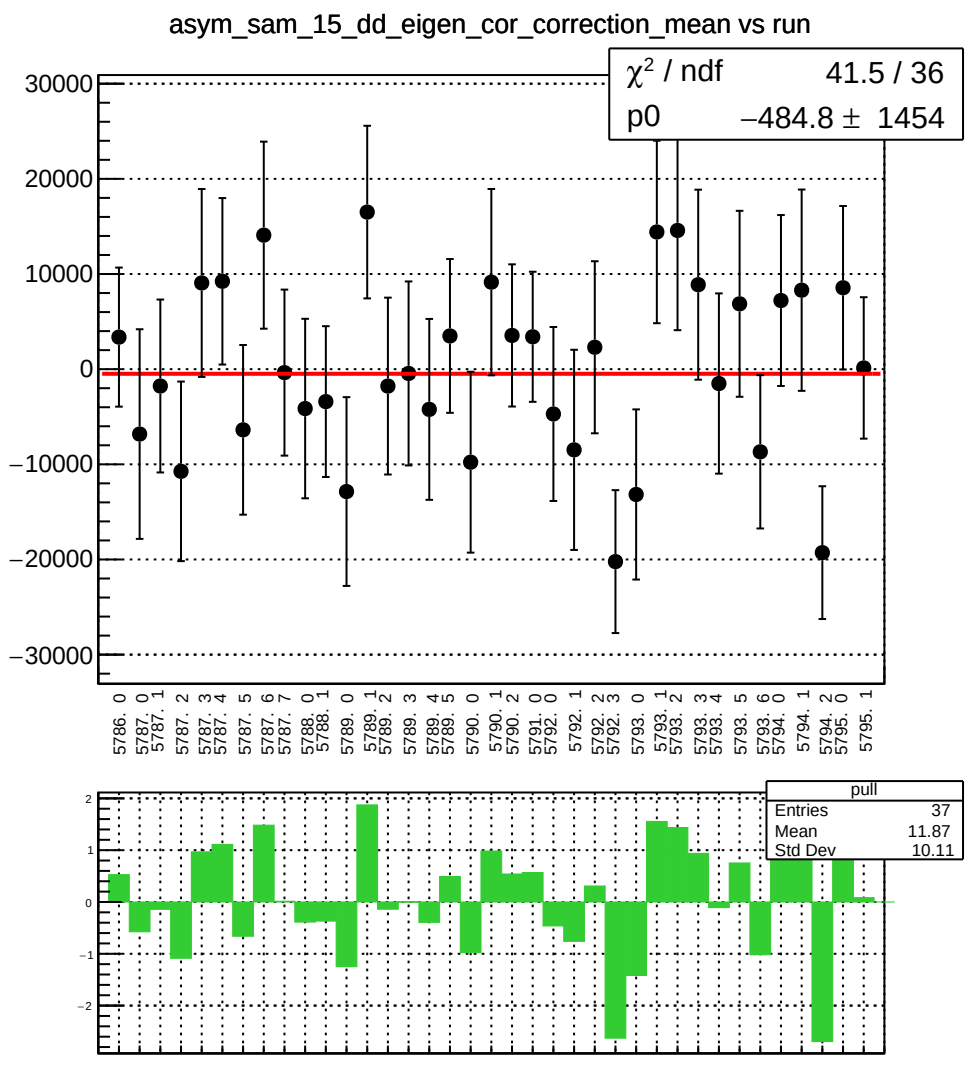
5794. 2
5795. 0
5795. 1


asym_sam_15_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.5 / 36
p0 −484.8 ± 1454
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
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5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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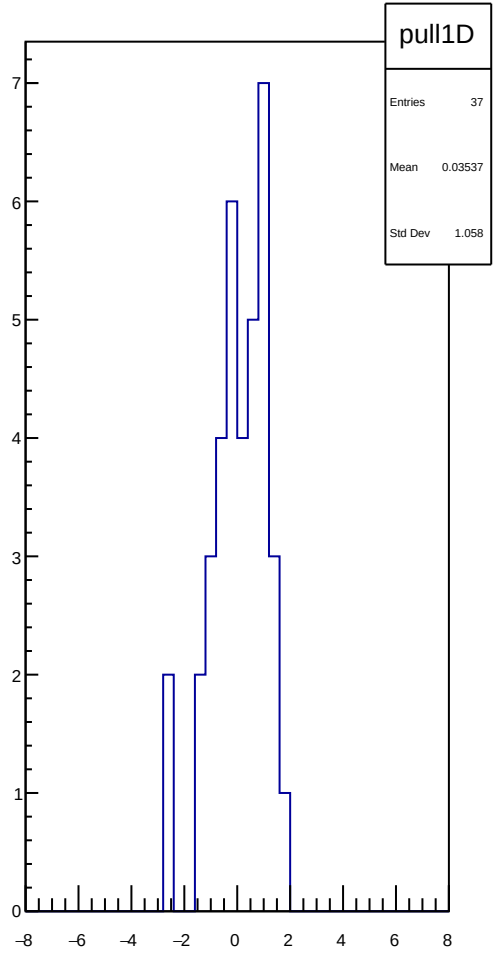
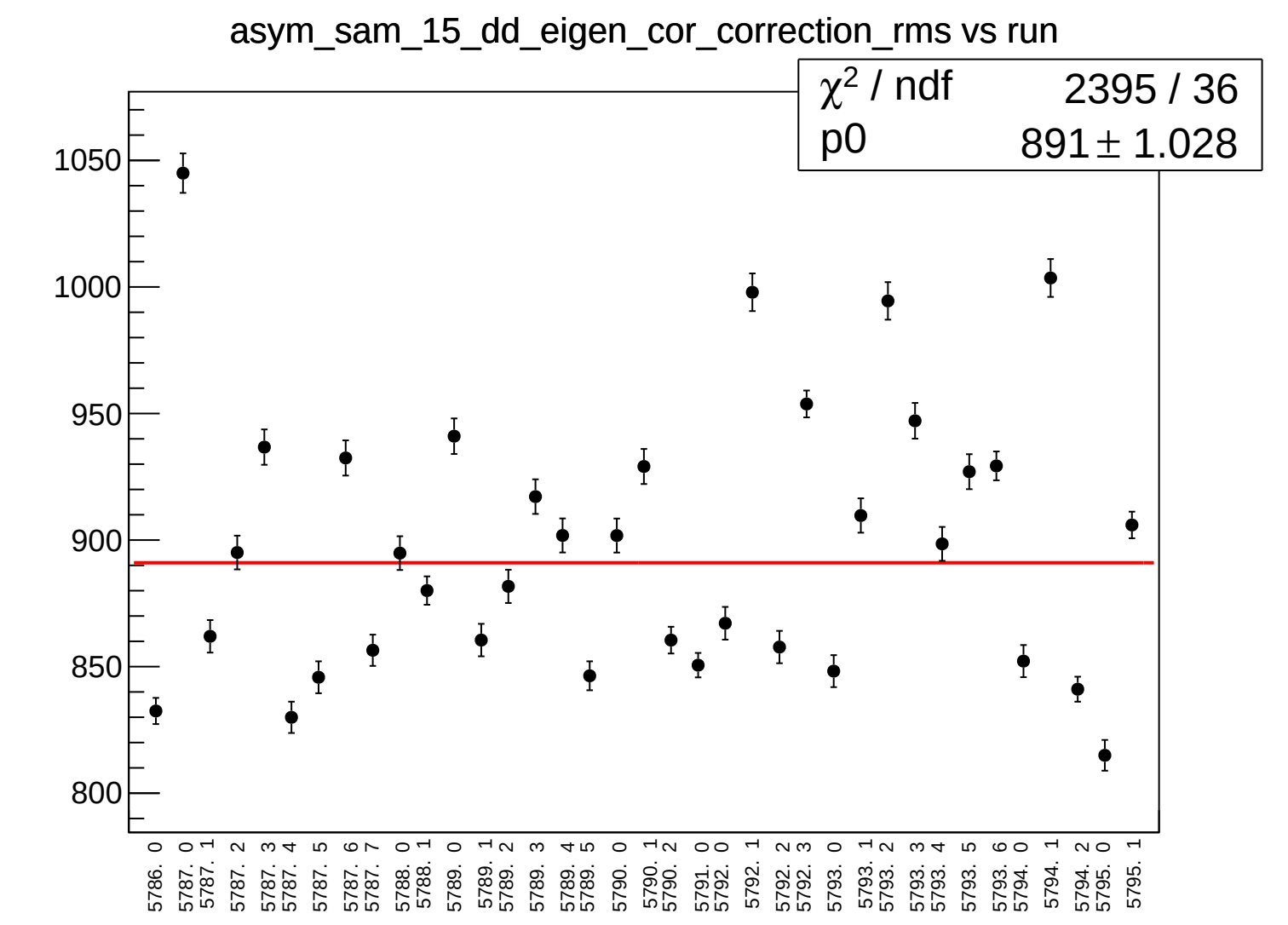
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.87
Std Dev 10.11
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.03537
Std Dev 1.058
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 2395 / 36
p0 891 ± 1.028
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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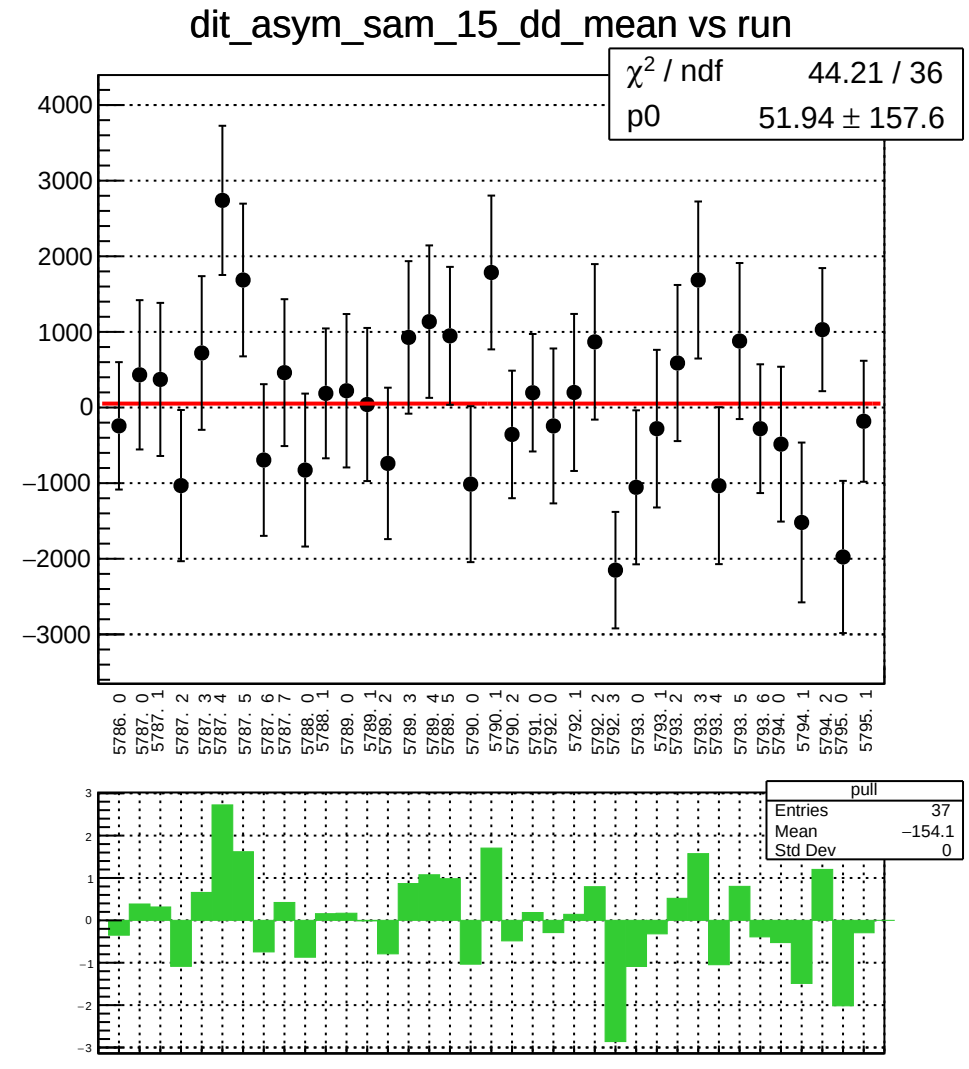
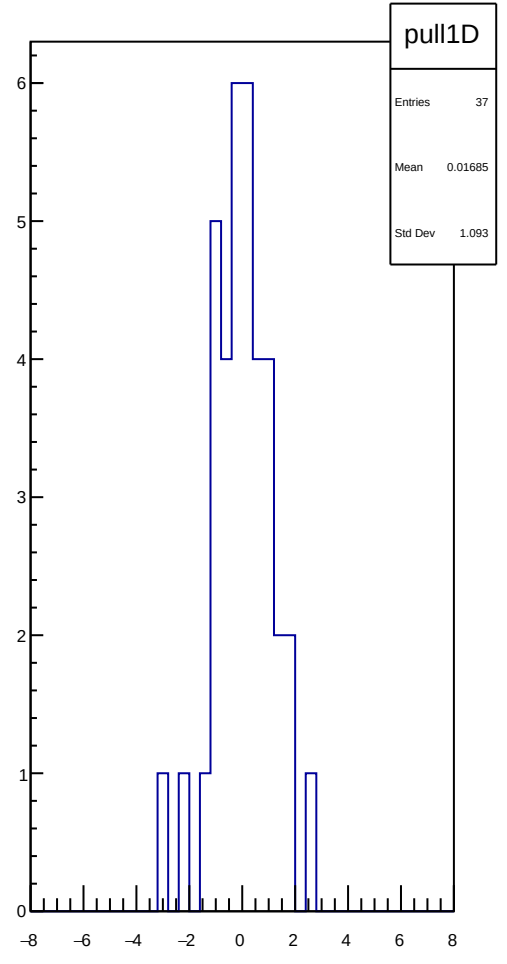
5794. 2
5795. 0
5795. 1


dit_asym_sam_15_dd_mean vs run
χ² / ndf 44.21 / 36
p0 51.94 ± 157.6
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −154.1
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean 0.01685
Std Dev 1.093
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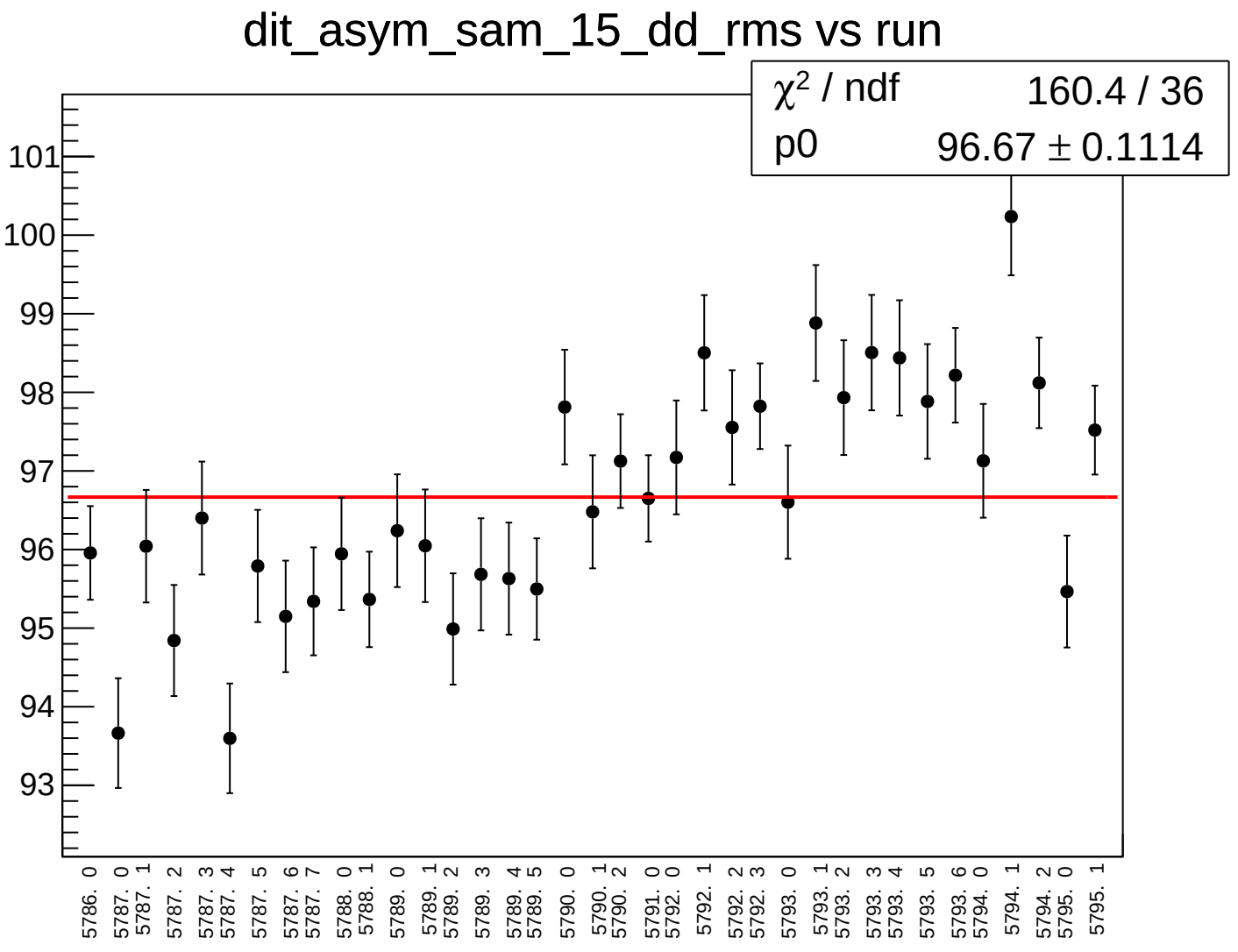
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_dd_rms vs run
χ² / ndf 160.4 / 36
p0 96.67 ± 0.1114
101
100
99
98
97
96
95
94
93
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
5793. 0
5793. 1
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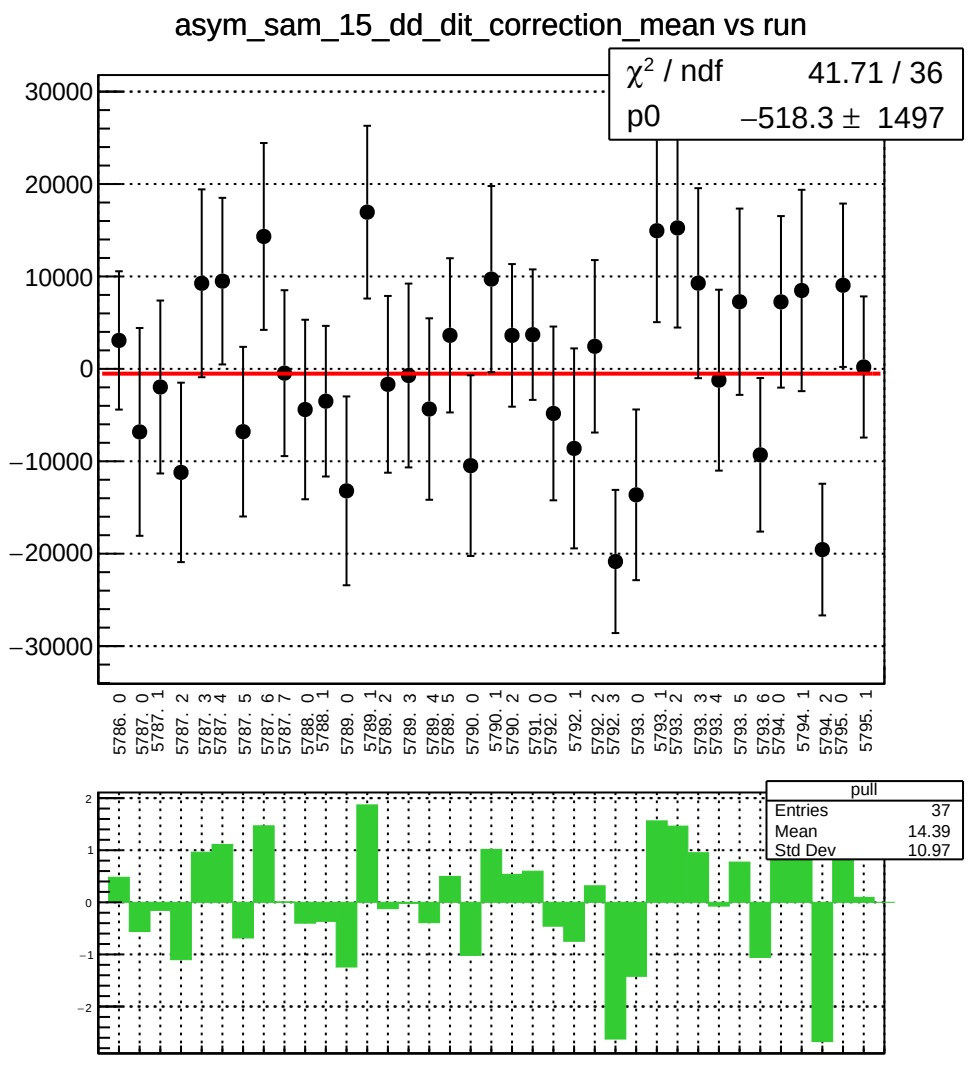
5795. 1


asym_sam_15_dd_dit_correction_mean vs run
χ² / ndf 41.71 / 36
p0 −518.3 ± 1497
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
5793. 1
5793. 2
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5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.39
Std Dev 10.97
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03637
Std Dev 1.061
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4
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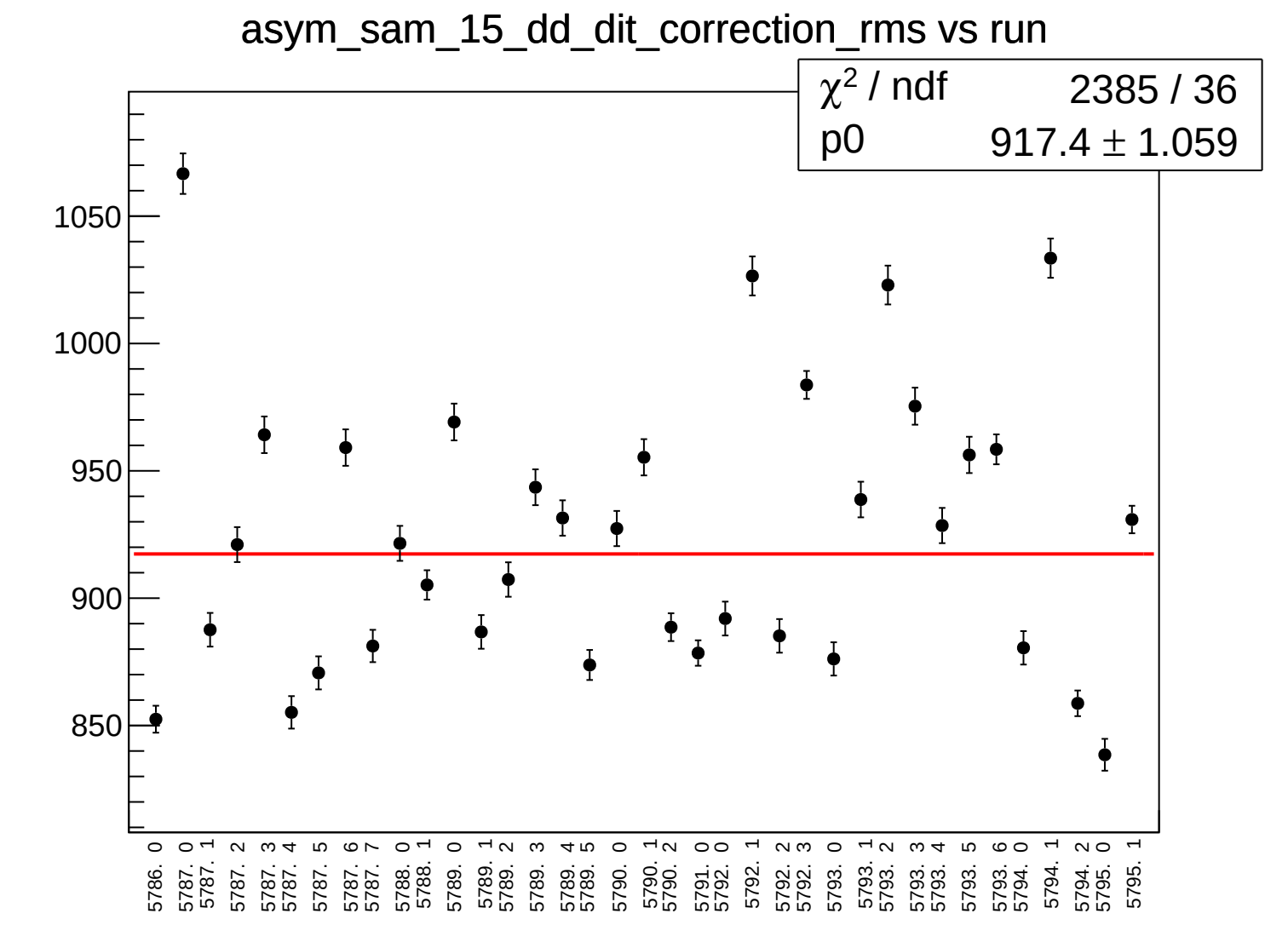
−4
−2
0
2
4
6
8


asym_sam_15_dd_dit_correction_rms vs run
χ² / ndf 2385 / 36
p0 917.4 ± 1.059
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 0
5792. 1
5792. 2
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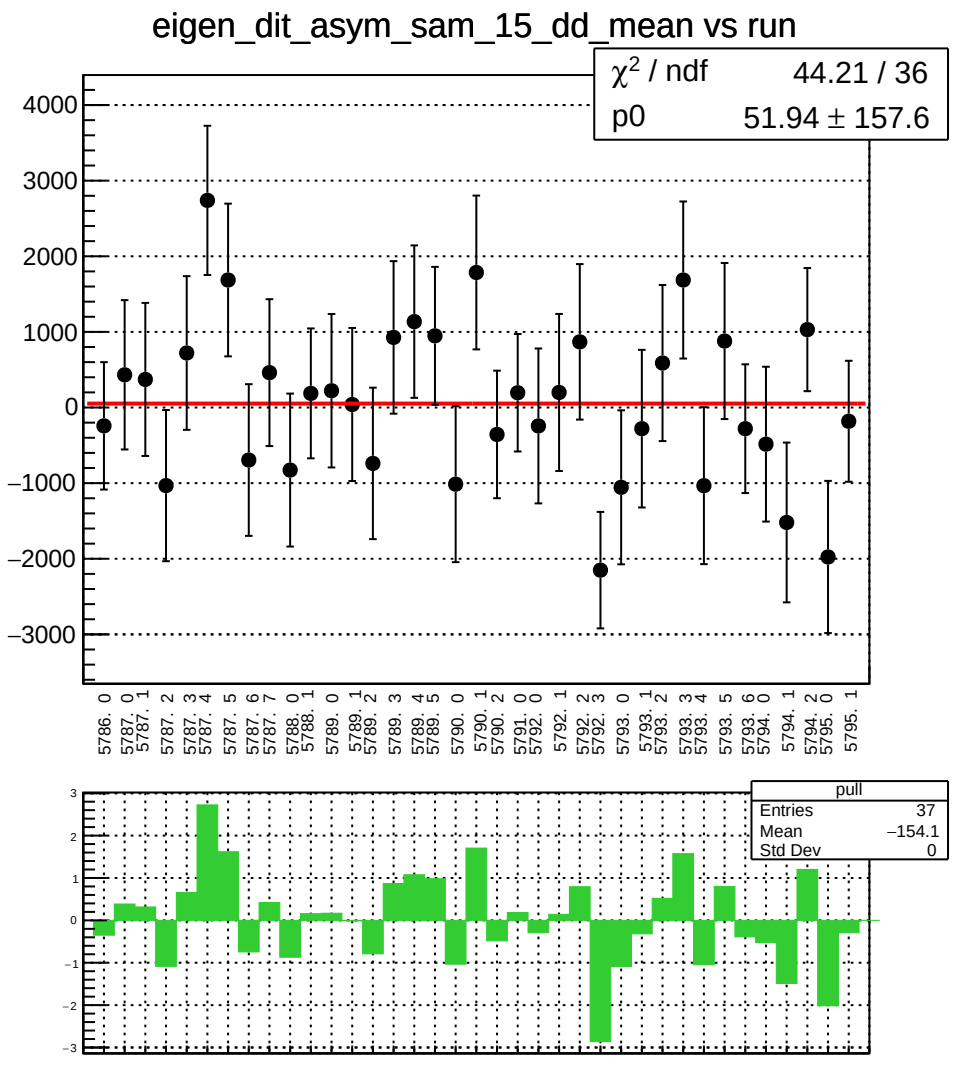
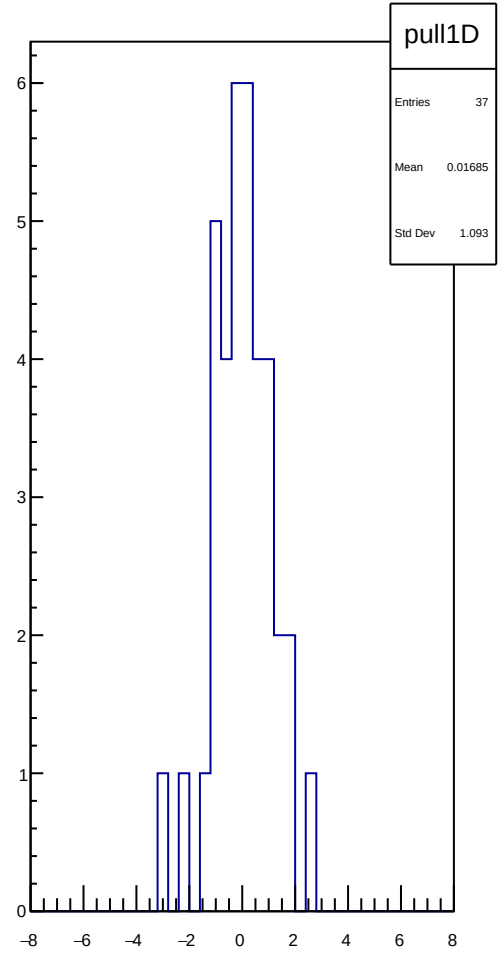
5795. 1


eigen_dit_asym_sam_15_dd_mean vs run
χ² / ndf 44.21 / 36
p0 51.94 ± 157.6
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −154.1
Std Dev 0
3
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean 0.01685
Std Dev 1.093
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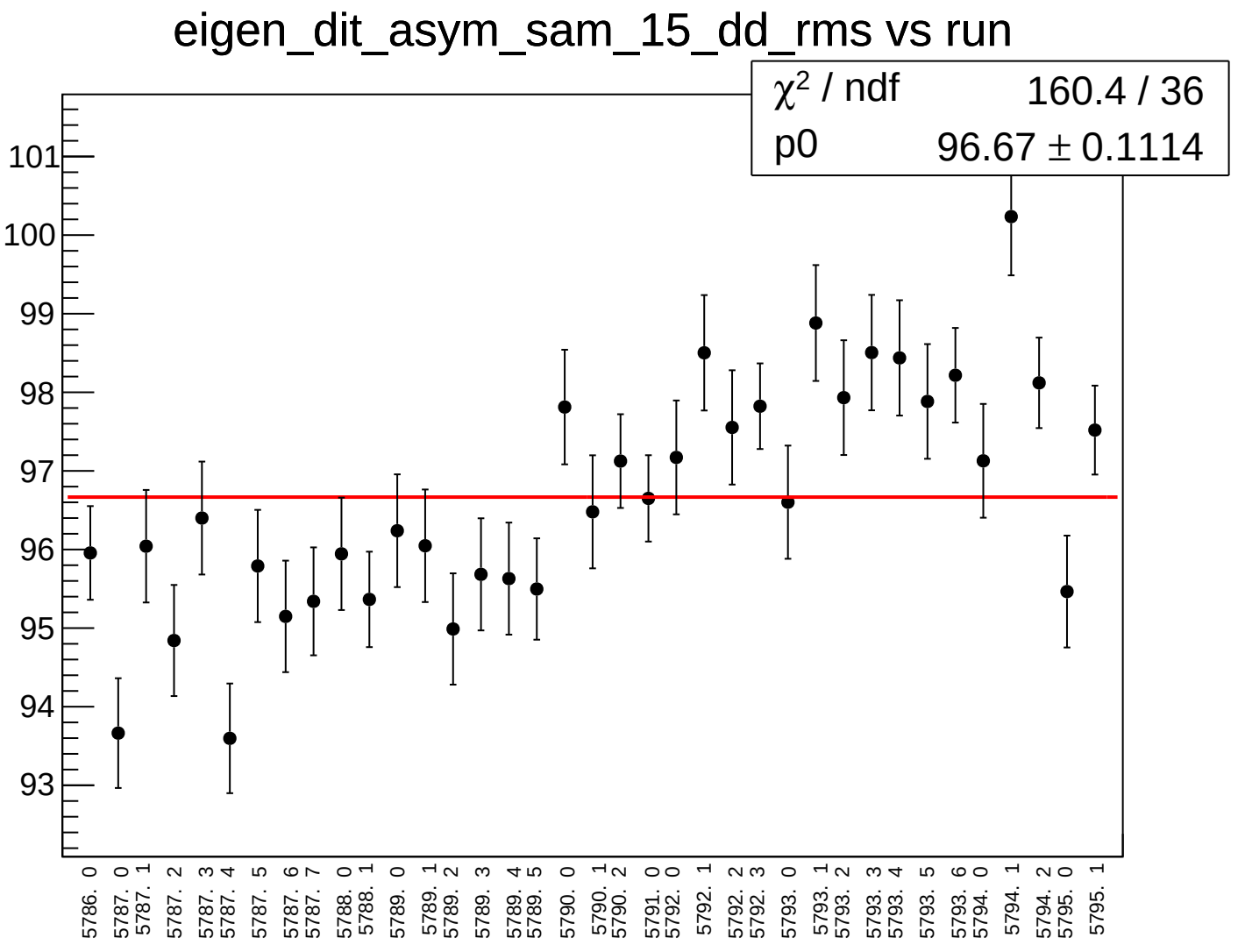
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_dd_rms vs run
χ² / ndf 160.4 / 36
p0 96.67 ± 0.1114
101
100
99
98
97
96
95
94
93
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
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5792. 3
5793. 0
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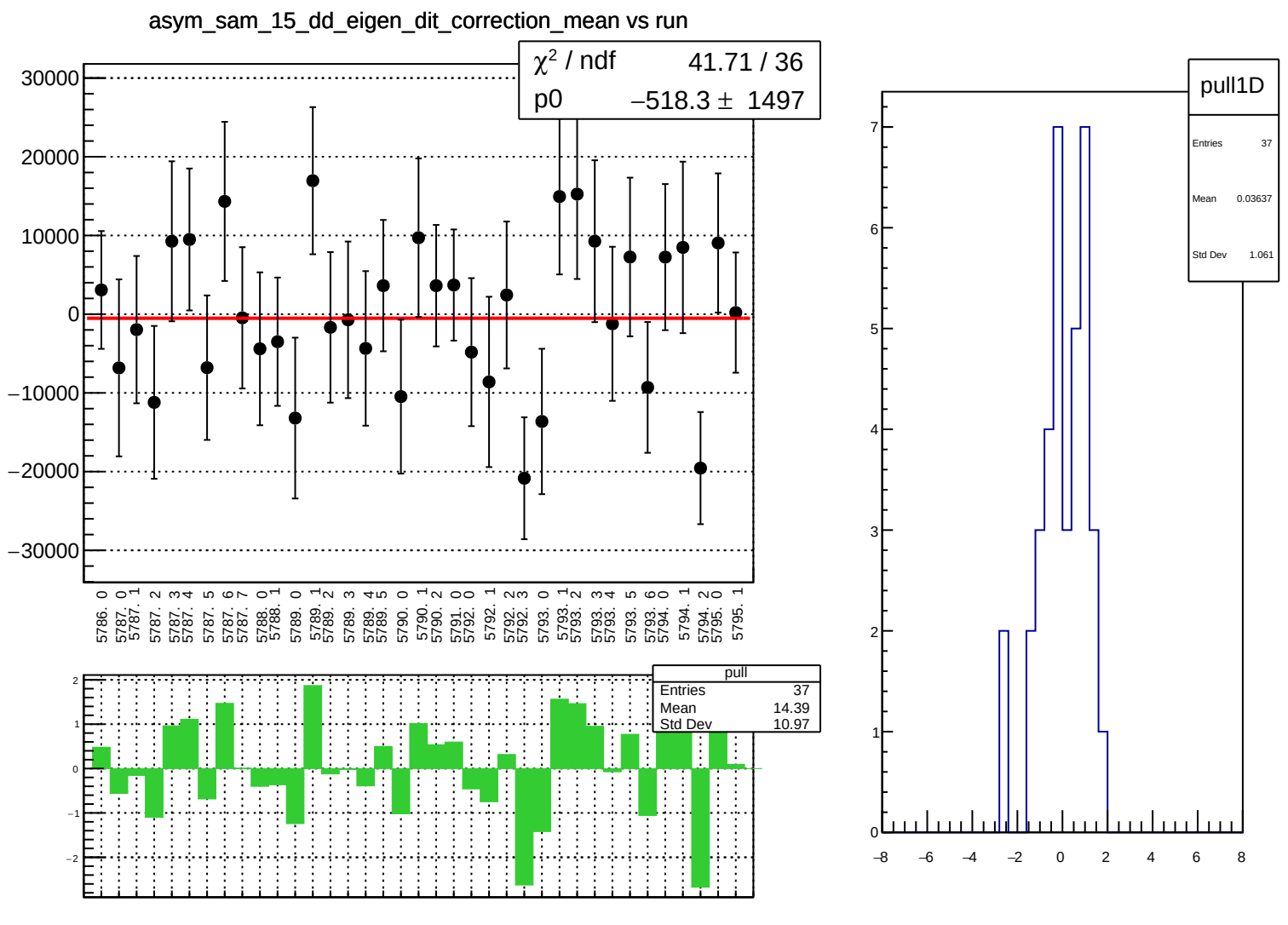
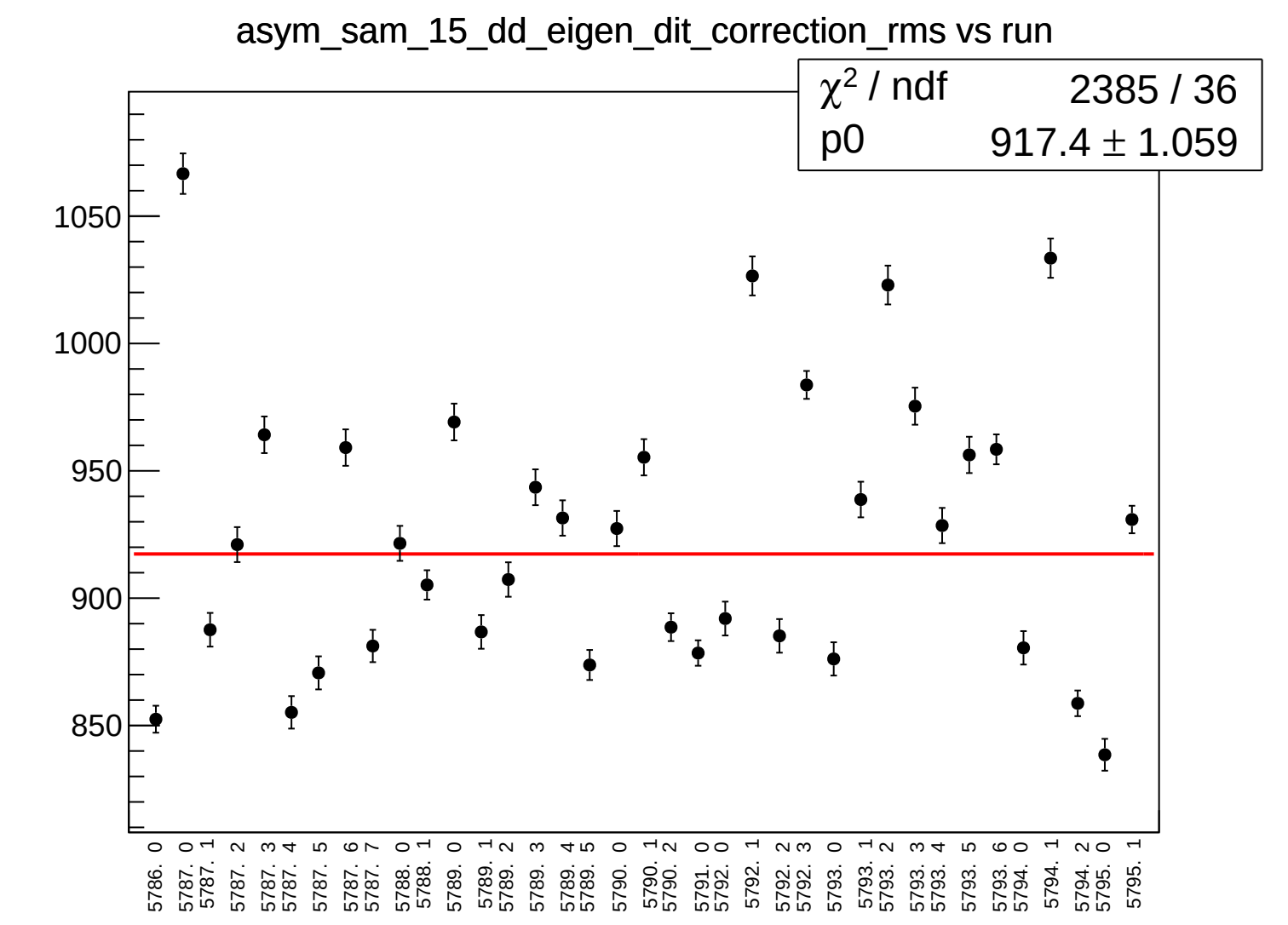
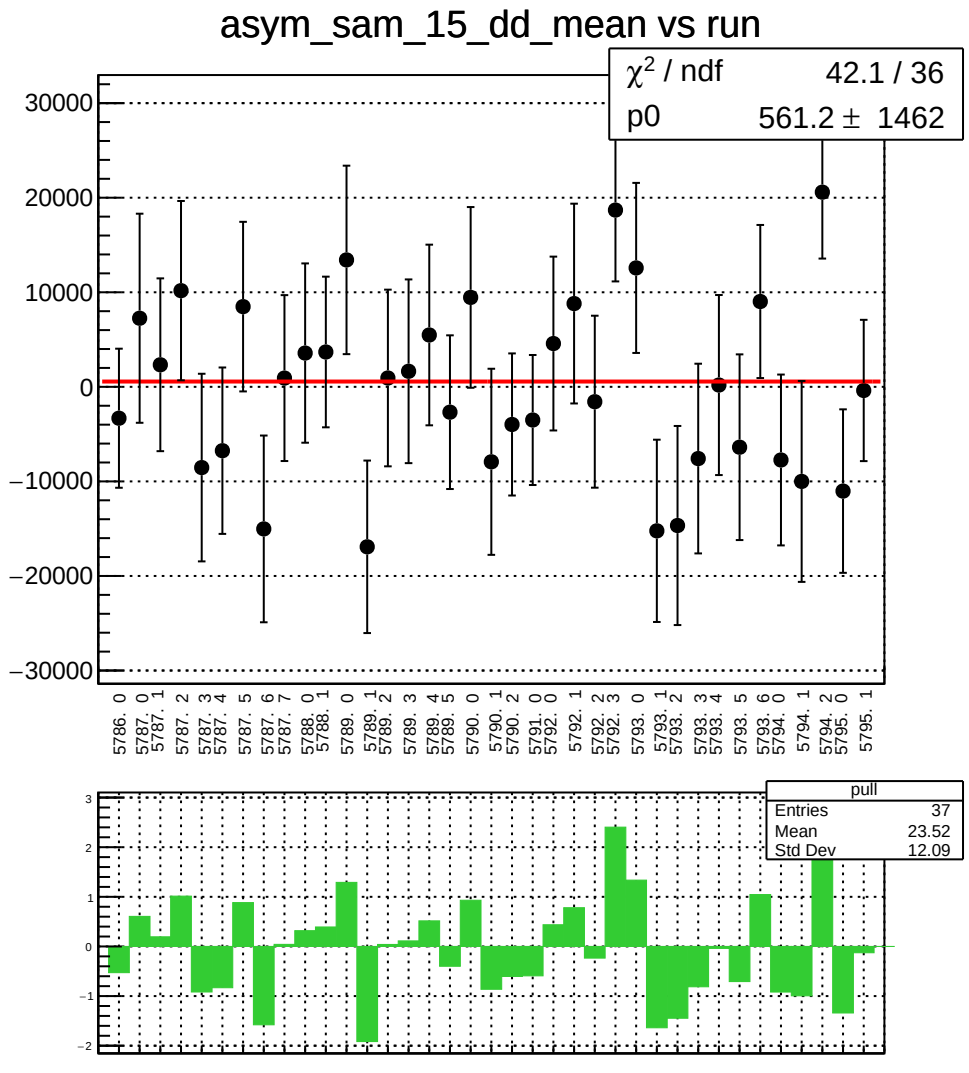
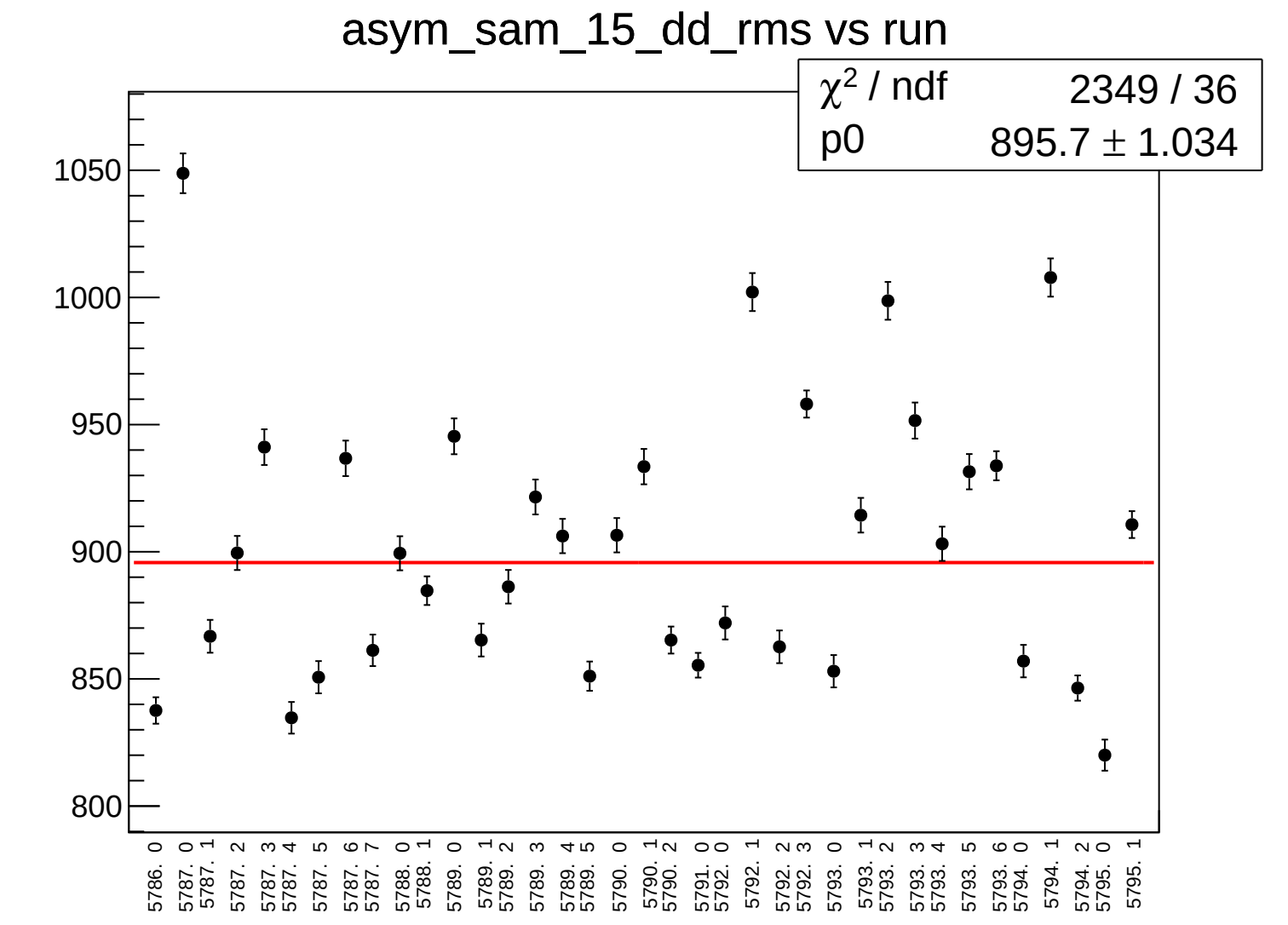
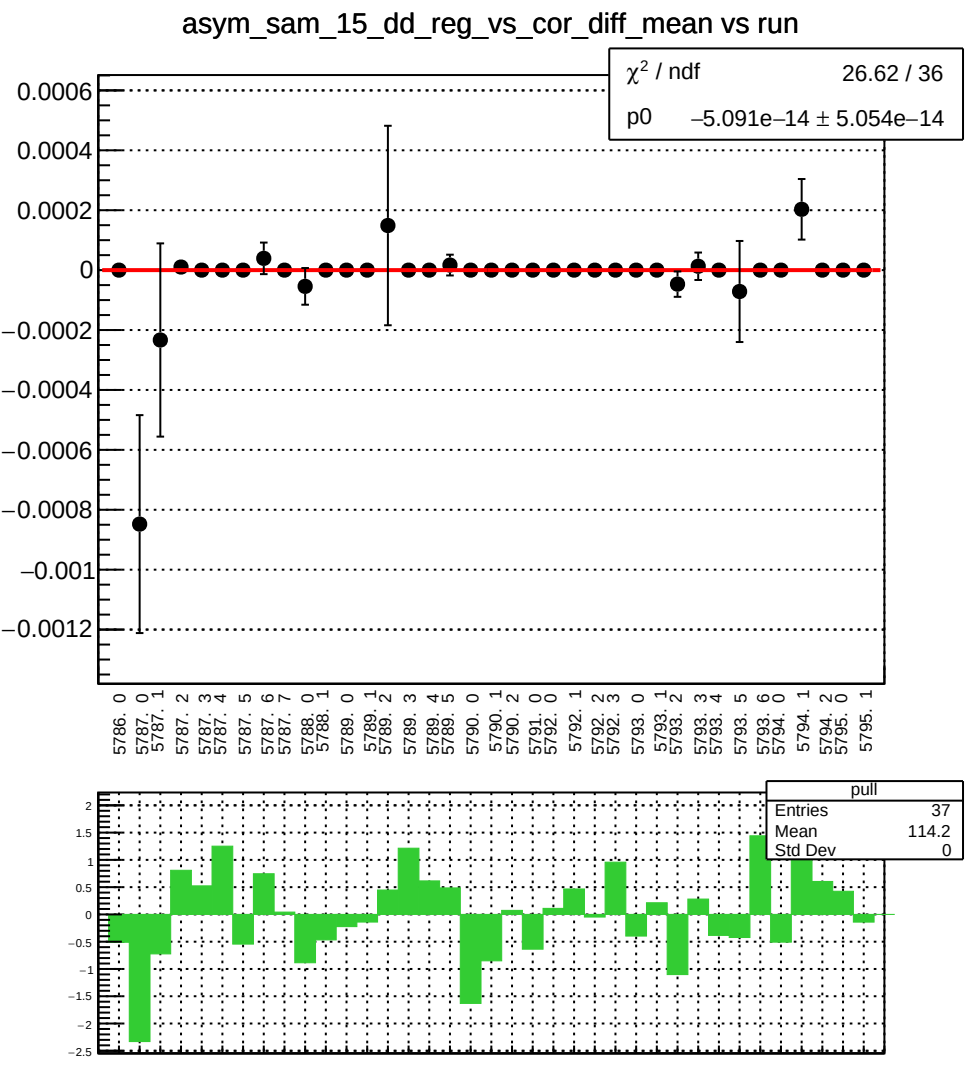
5795. 1

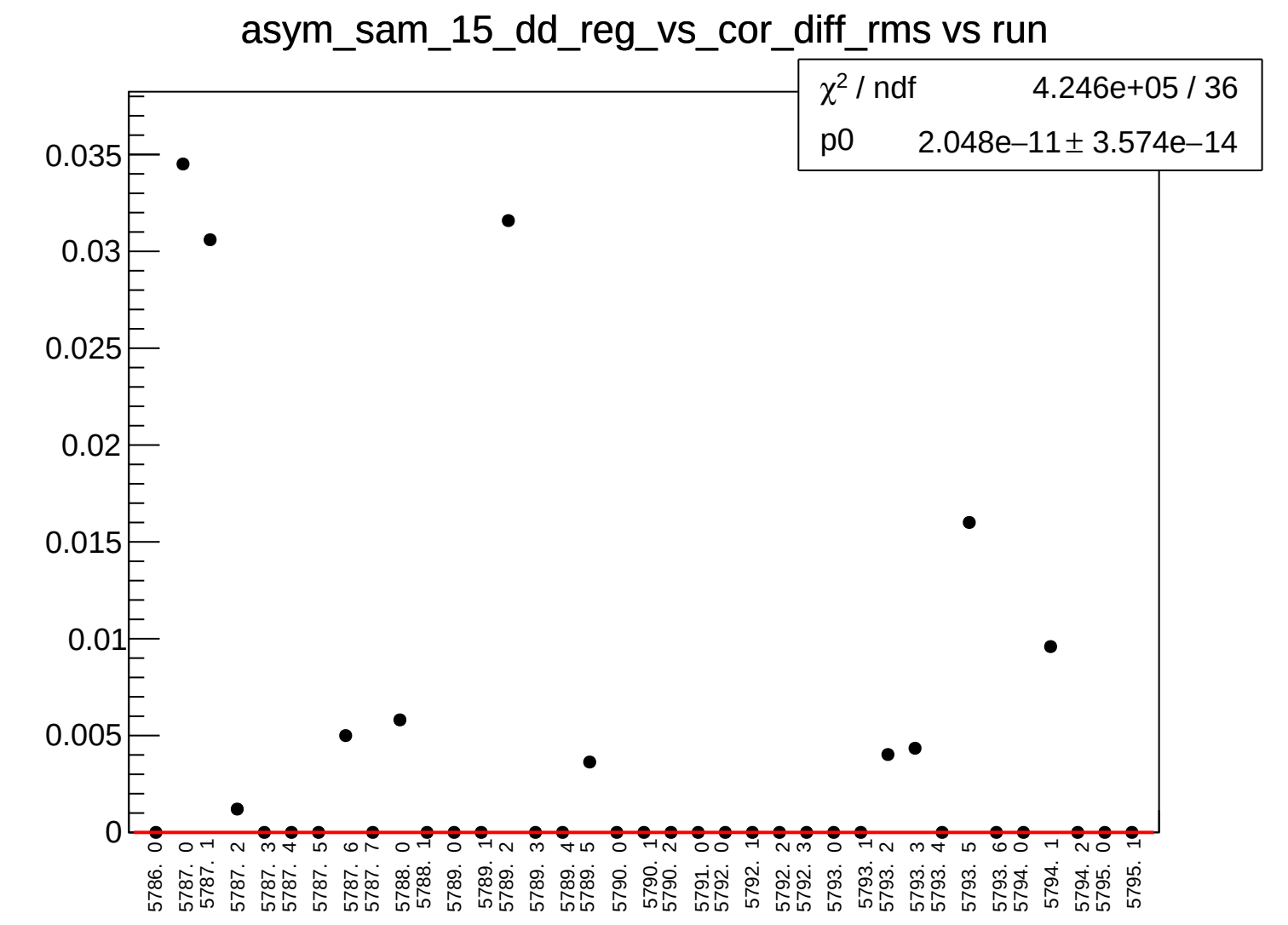

asym_sam_15_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.71 / 36
p0 −518.3 ± 1497
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.39
Std Dev 10.97
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.03637
Std Dev 1.061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

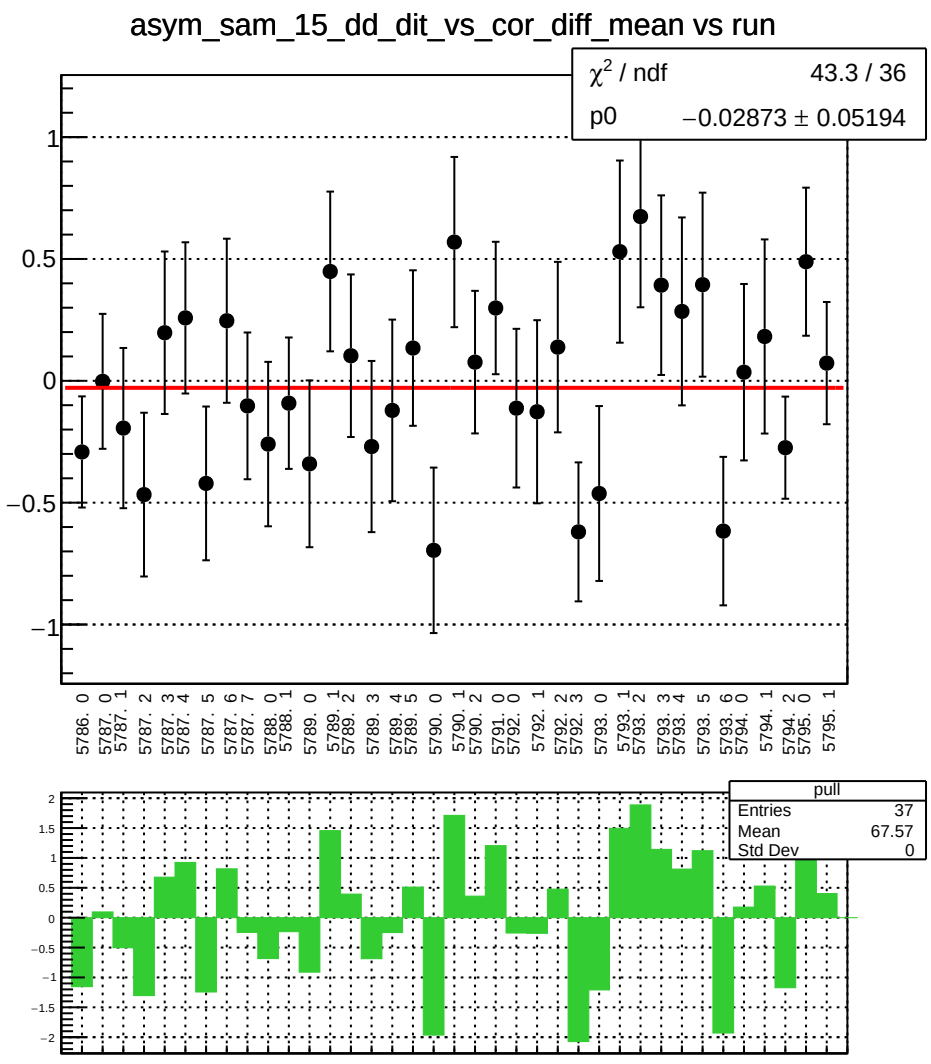

asym_sam_15_dd_eigen_dit_correction_rms vs run
χ² / ndf 2385 / 36
p0 917.4 ± 1.059
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

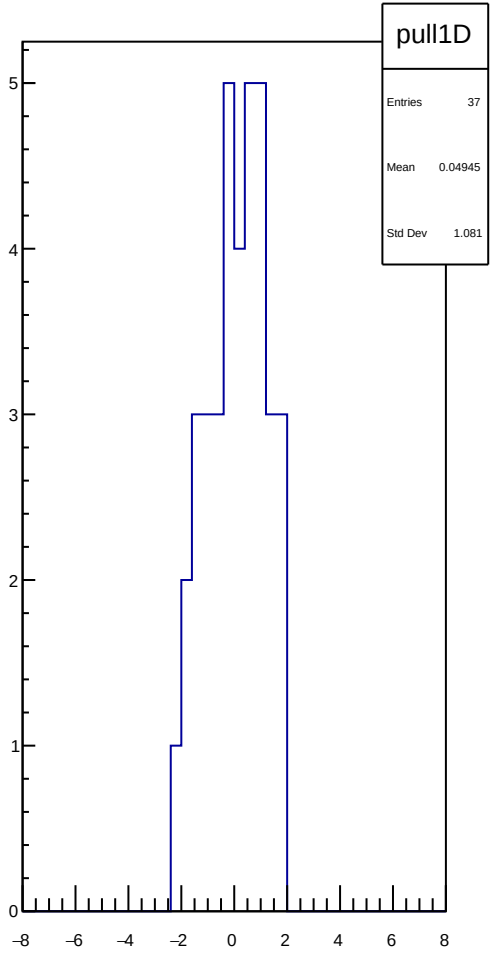

asym_sam_15_dd_mean vs run
χ² / ndf 42.1 / 36
p0 561.2 ± 1462
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.52
Std Dev 12.09
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03501
Std Dev 1.066
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

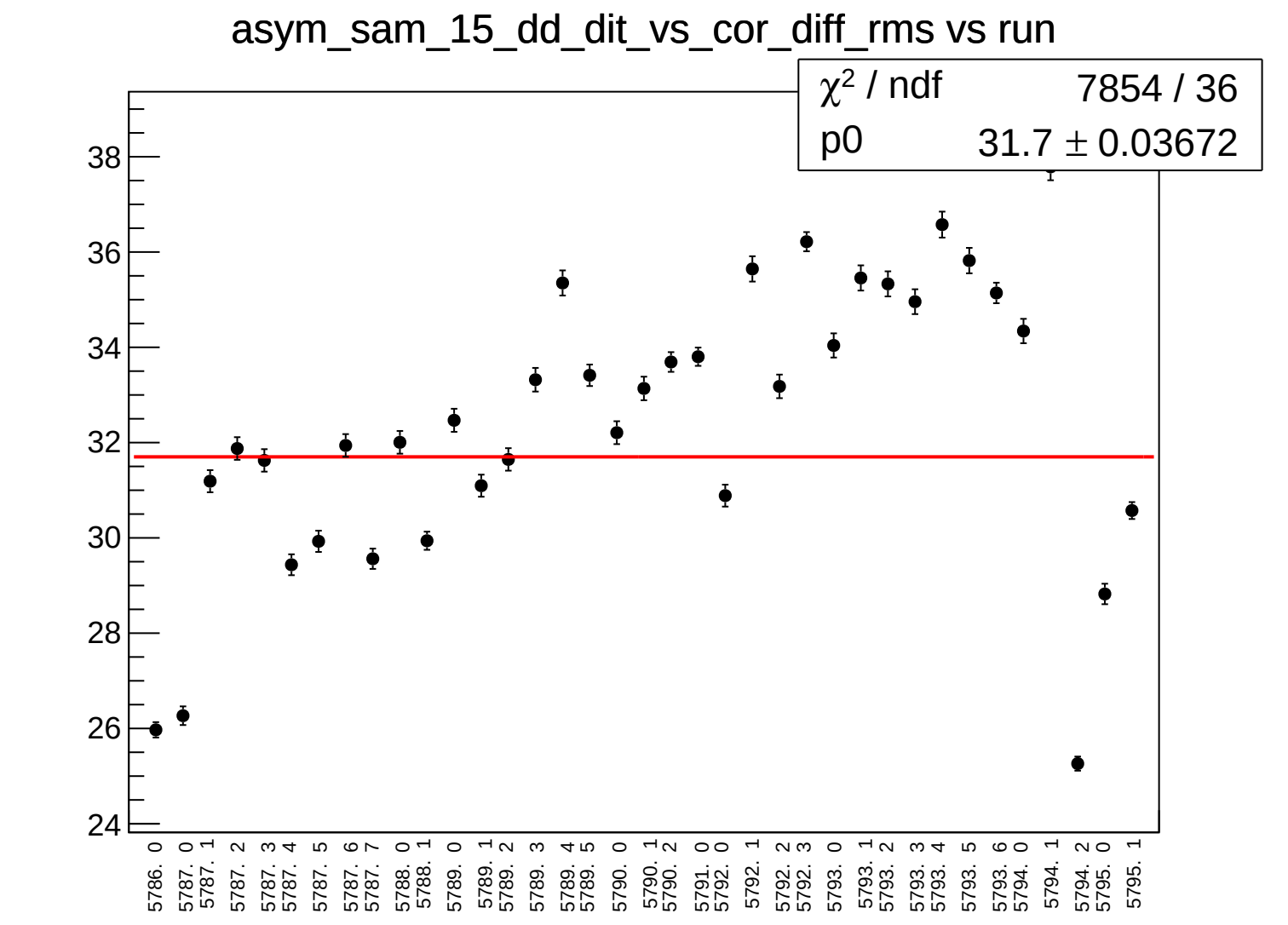

asym_sam_15_dd_rms vs run
χ² / ndf 2349 / 36
p0 895.7 ± 1.034
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

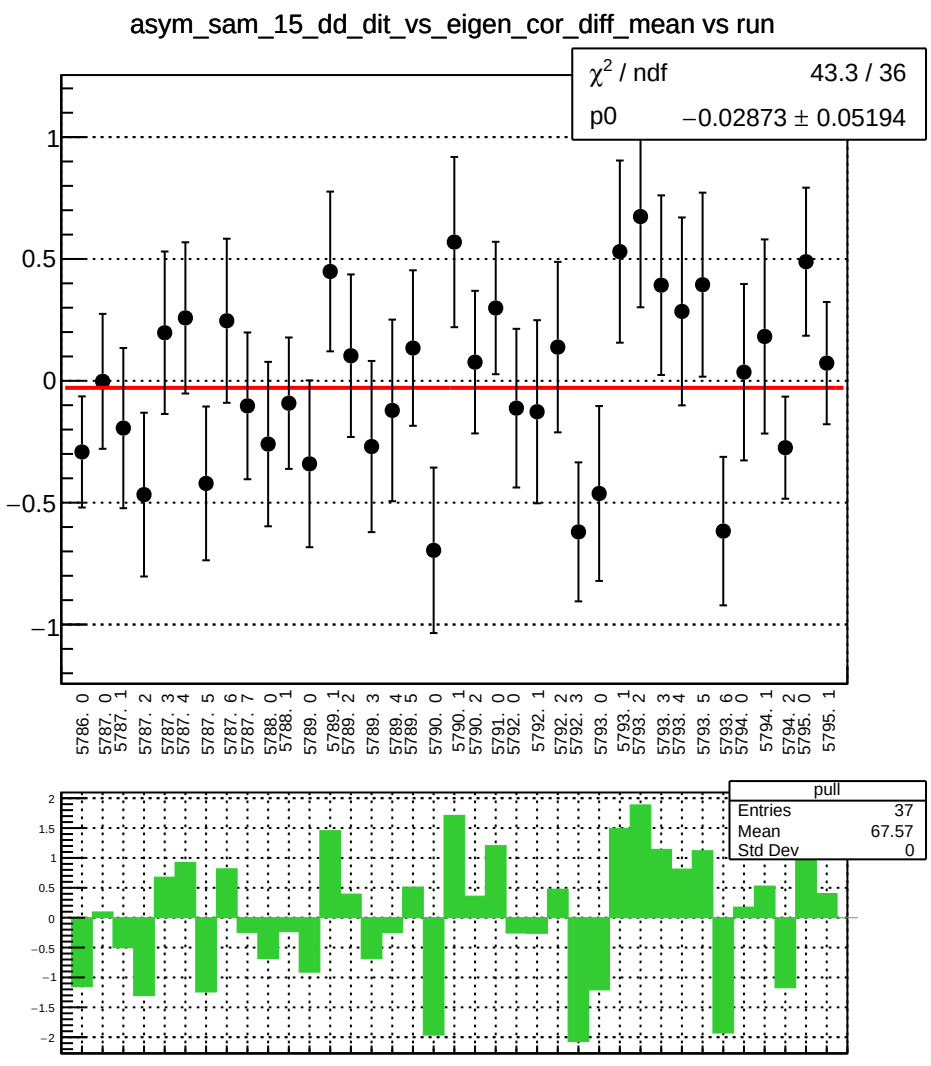

asym_sam_15_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 26.62 / 36
p0 −5.091e−14 ± 5.054e−14
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
−0.001
−0.0012
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 114.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.02076
Std Dev 0.8479
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

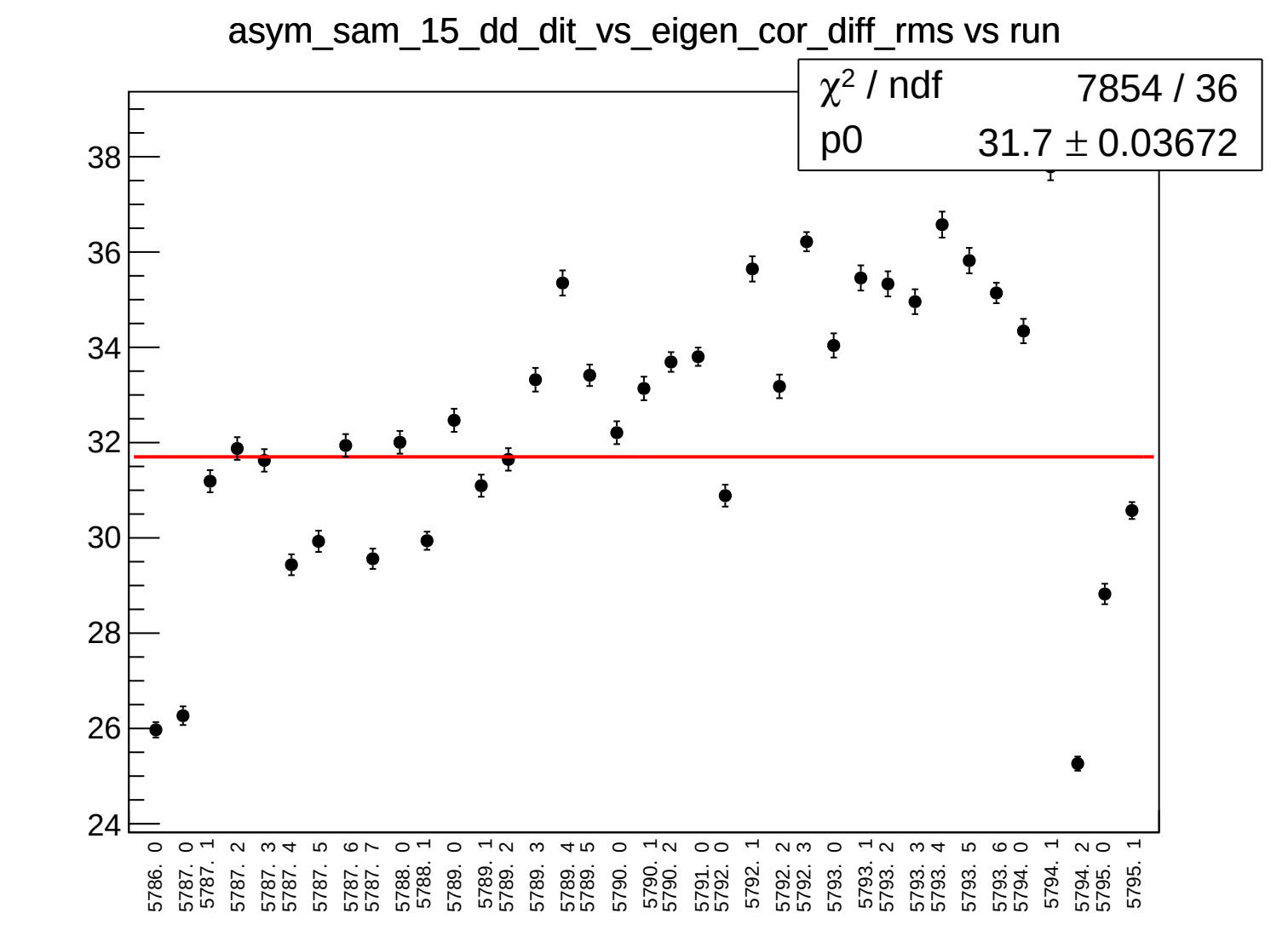

asym_sam_15_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.246e+05 / 36
p0 2.048e−11 ± 3.574e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

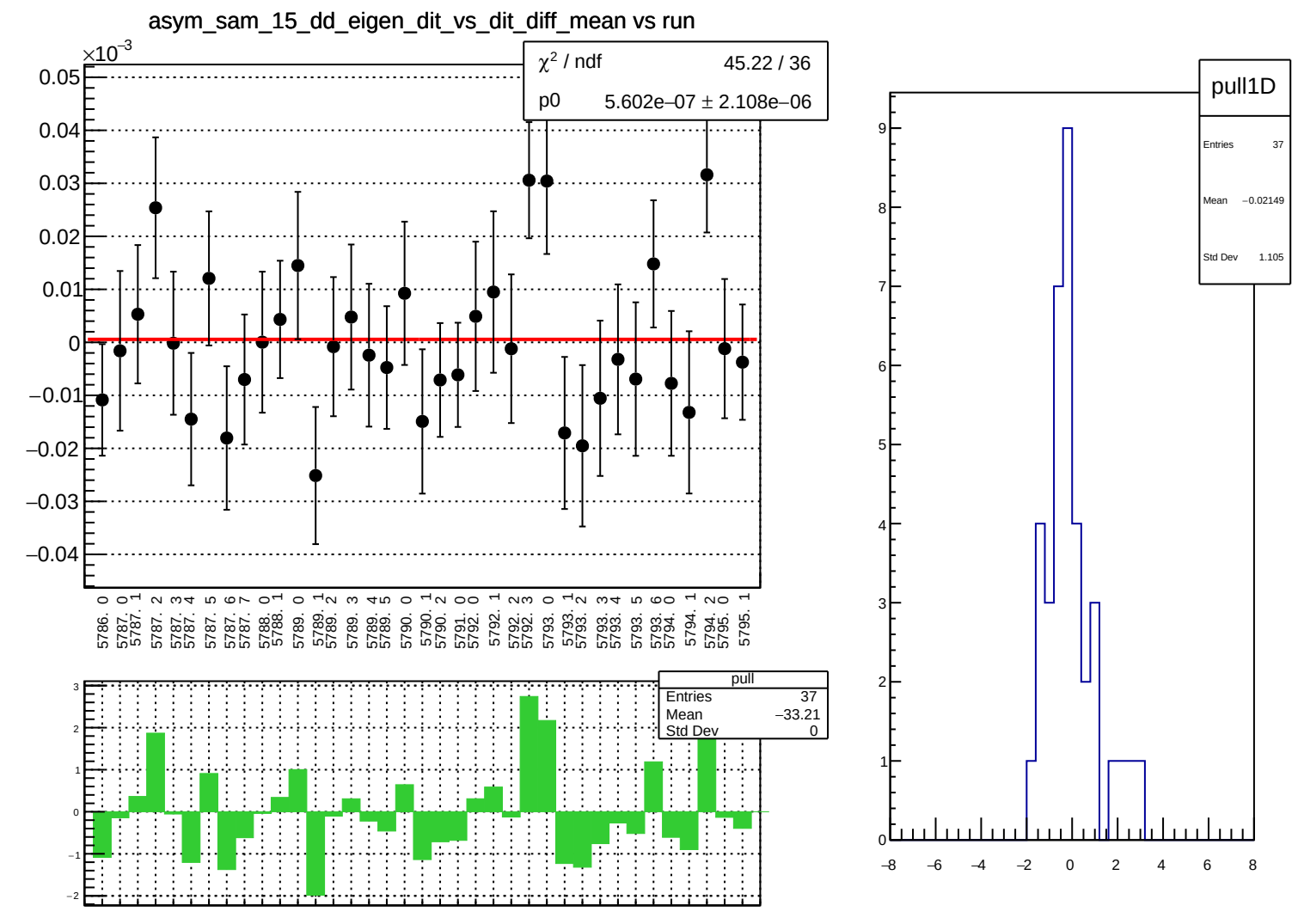

asym_sam_15_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.3 / 36
p0 −0.02873 ± 0.05194
pull
Entries 37
Mean 67.57
Std Dev 0

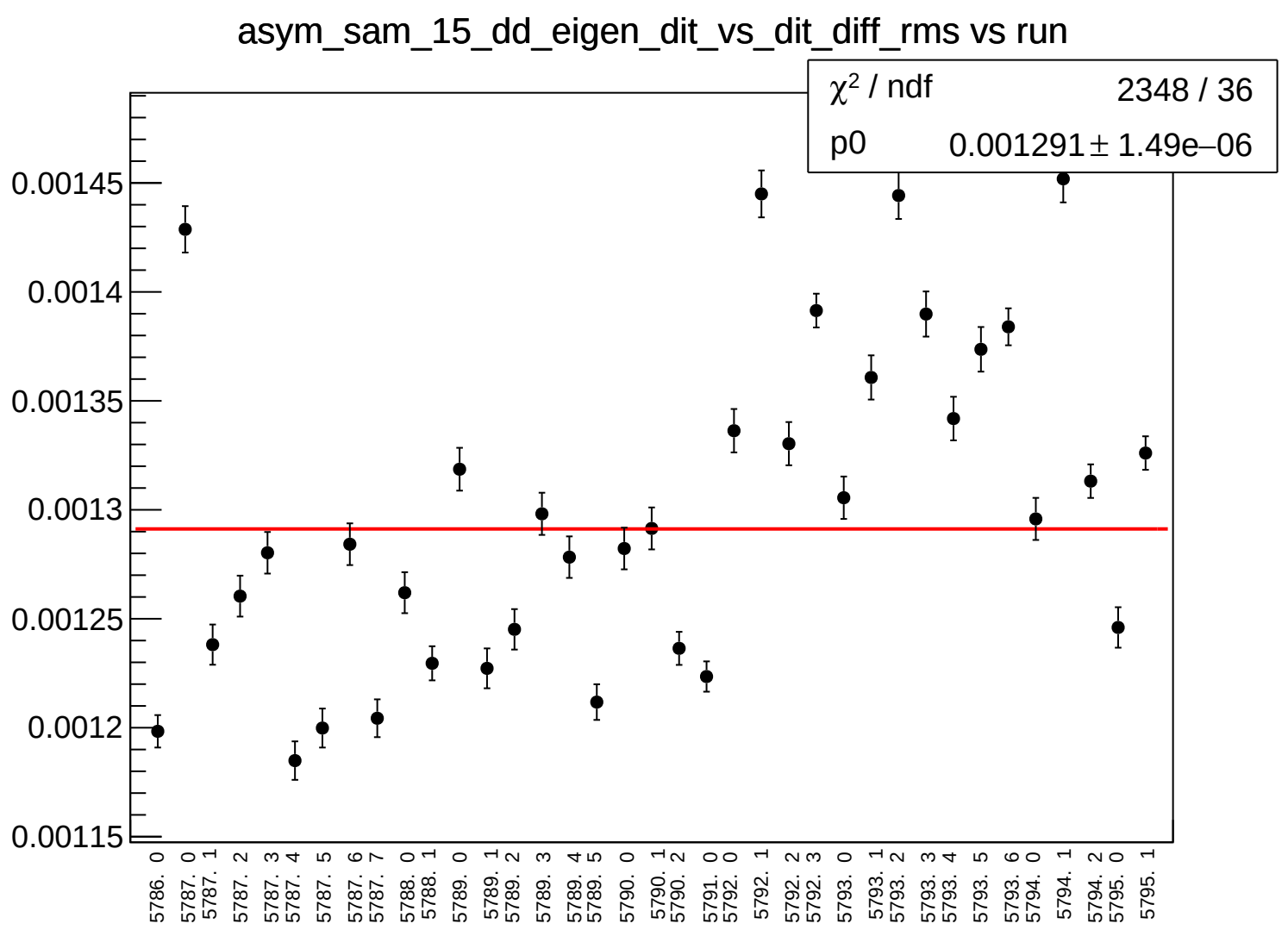

pull1D
Entries 37
Mean 0.04945
Std Dev 1.081

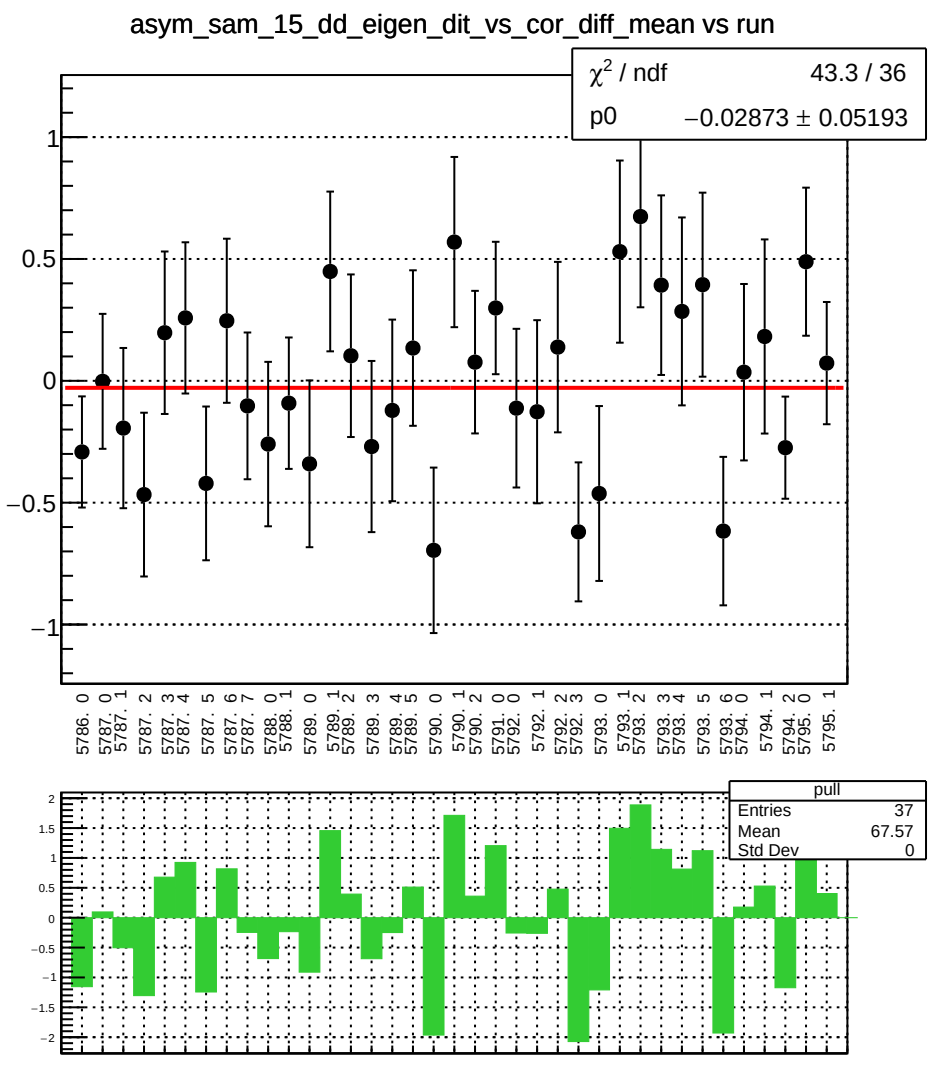

asym_sam_15_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7854 / 36
p0 31.7 ± 0.03672
38
36
34
32
30
28
26
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

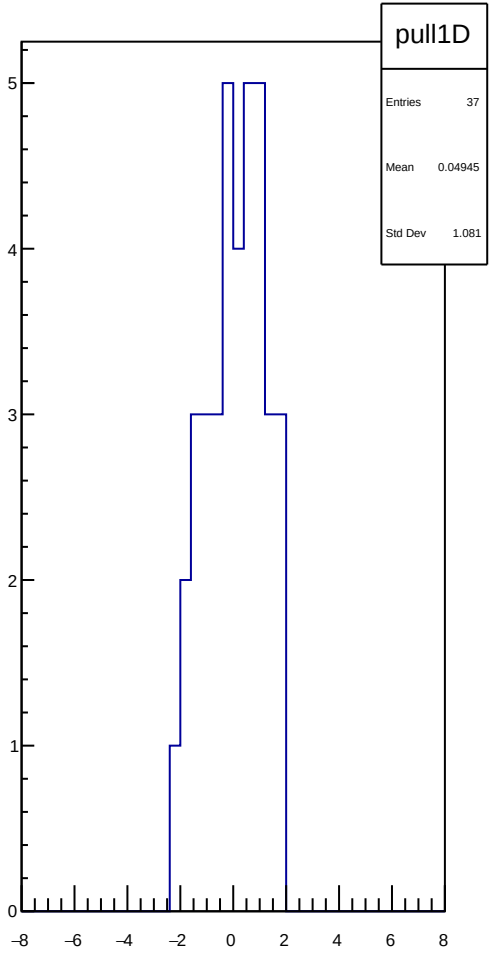

asym_sam_15_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.3 / 36
p0 −0.02873 ± 0.05194
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.04945
Std Dev 1.081
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

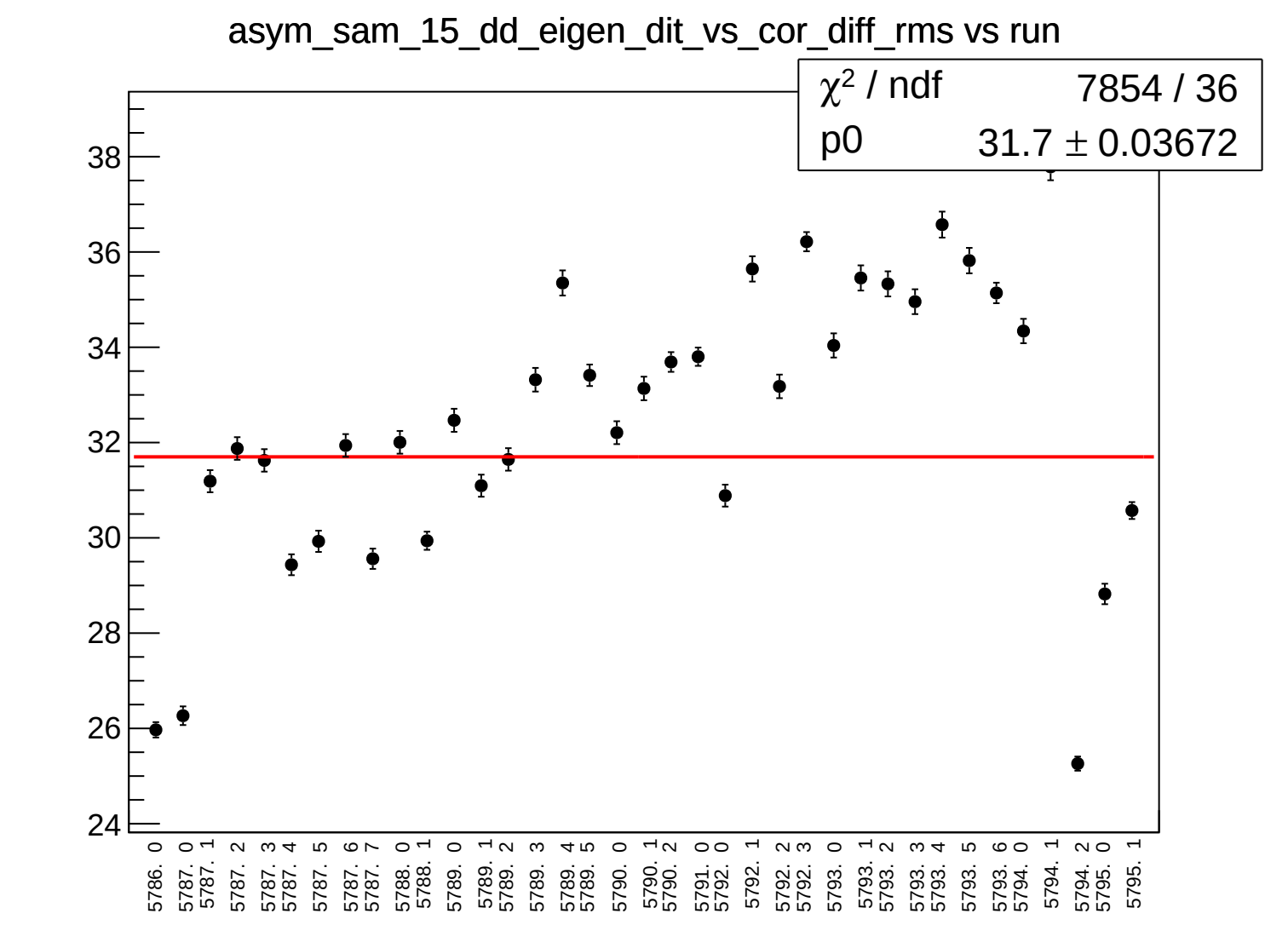

asym_sam_15_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7854 / 36
p0 31.7 ± 0.03672
38
36
34
32
30
28
26
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

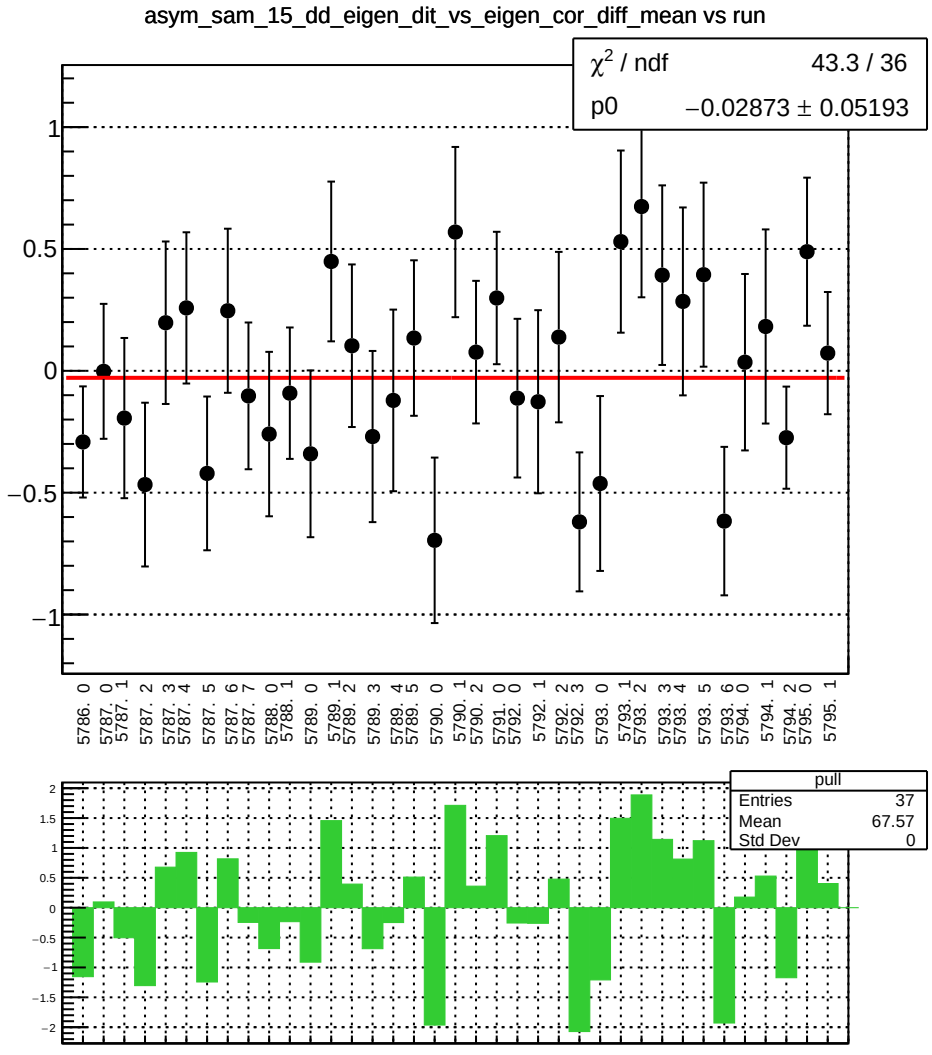

asym_sam_15_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 45.22 / 36
p0 5.602e−07 ± 2.108e−06
0.05
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −33.21
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02149
Std Dev 1.105
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

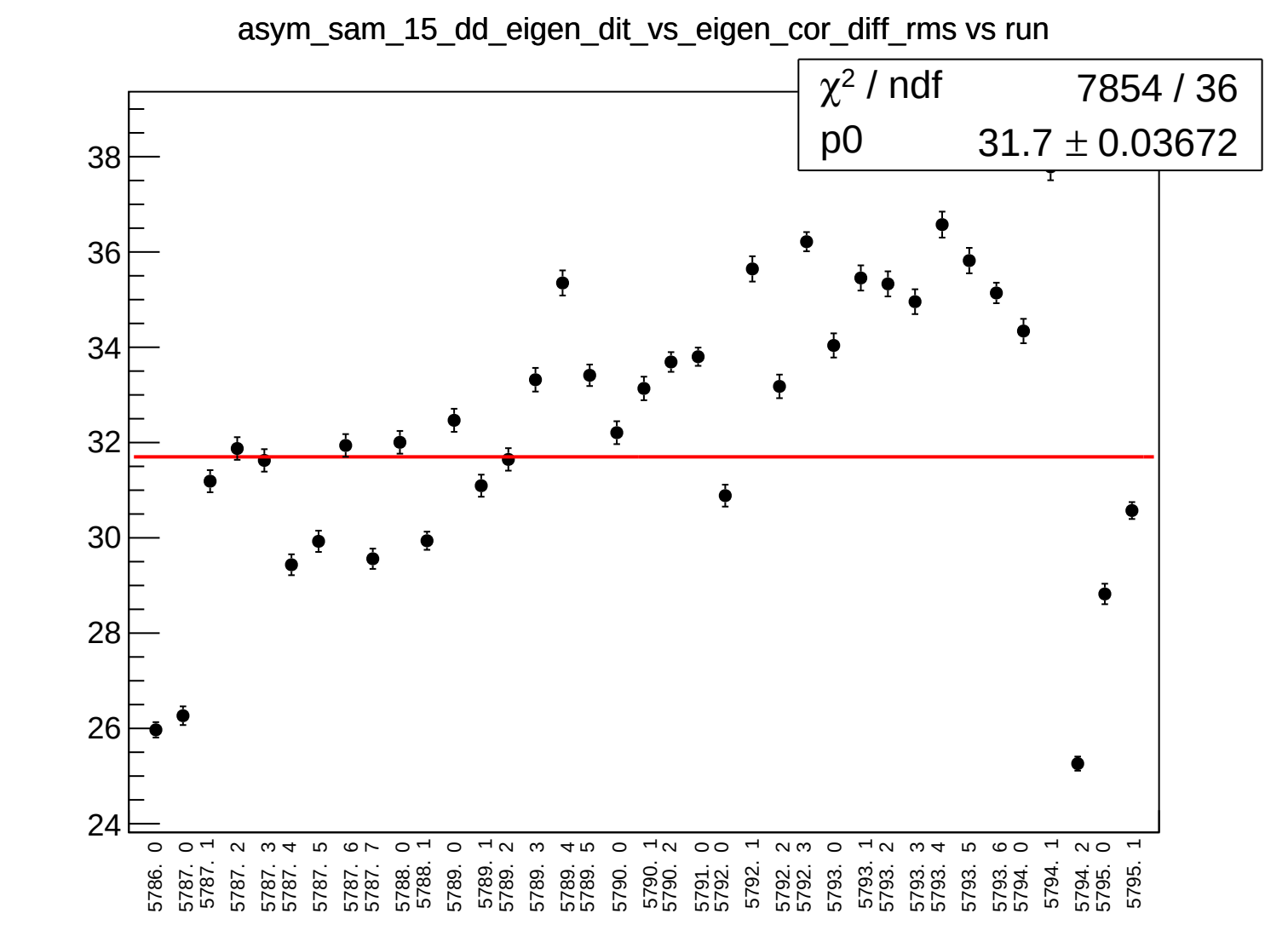

asym_sam_15_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2348 / 36
p0 0.001291 ± 1.49e–06
0.00145
0.0014
0.00135
0.0013
0.00125
0.0012
0.00115
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

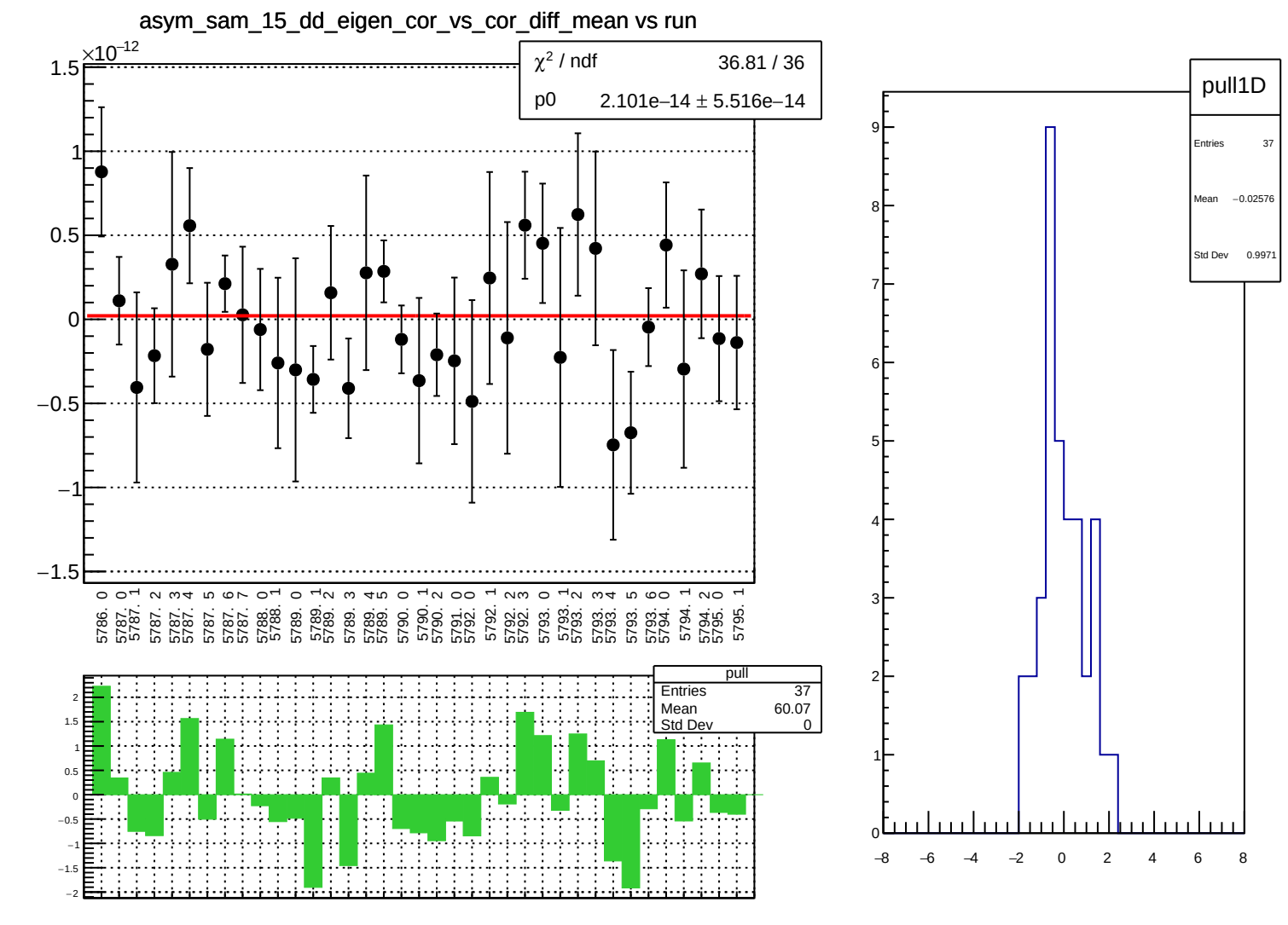

asym_sam_15_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.3 / 36
p0 −0.02873 ± 0.05193
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

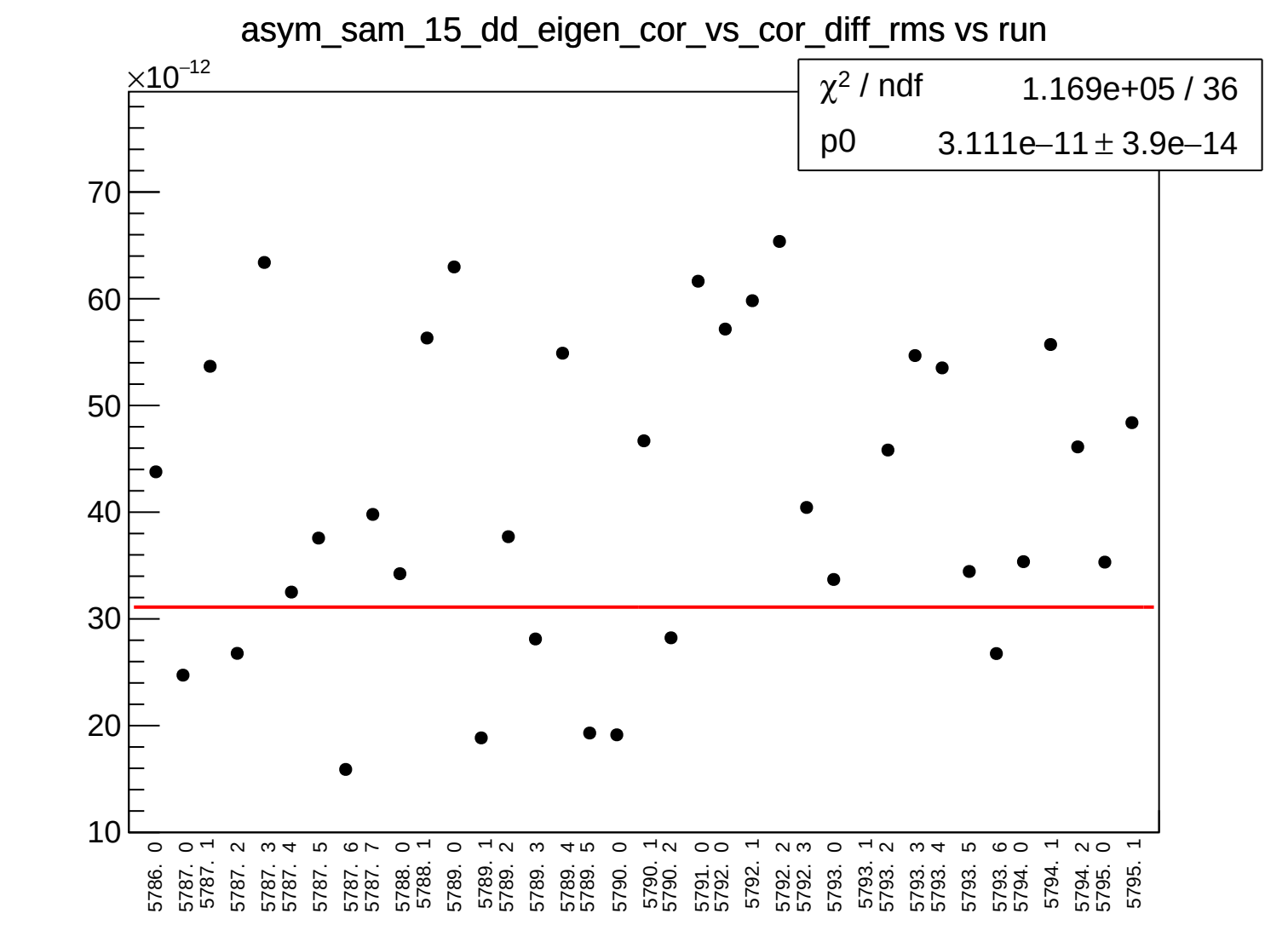

pull1D
Entries 37
Mean 0.04945
Std Dev 1.081
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

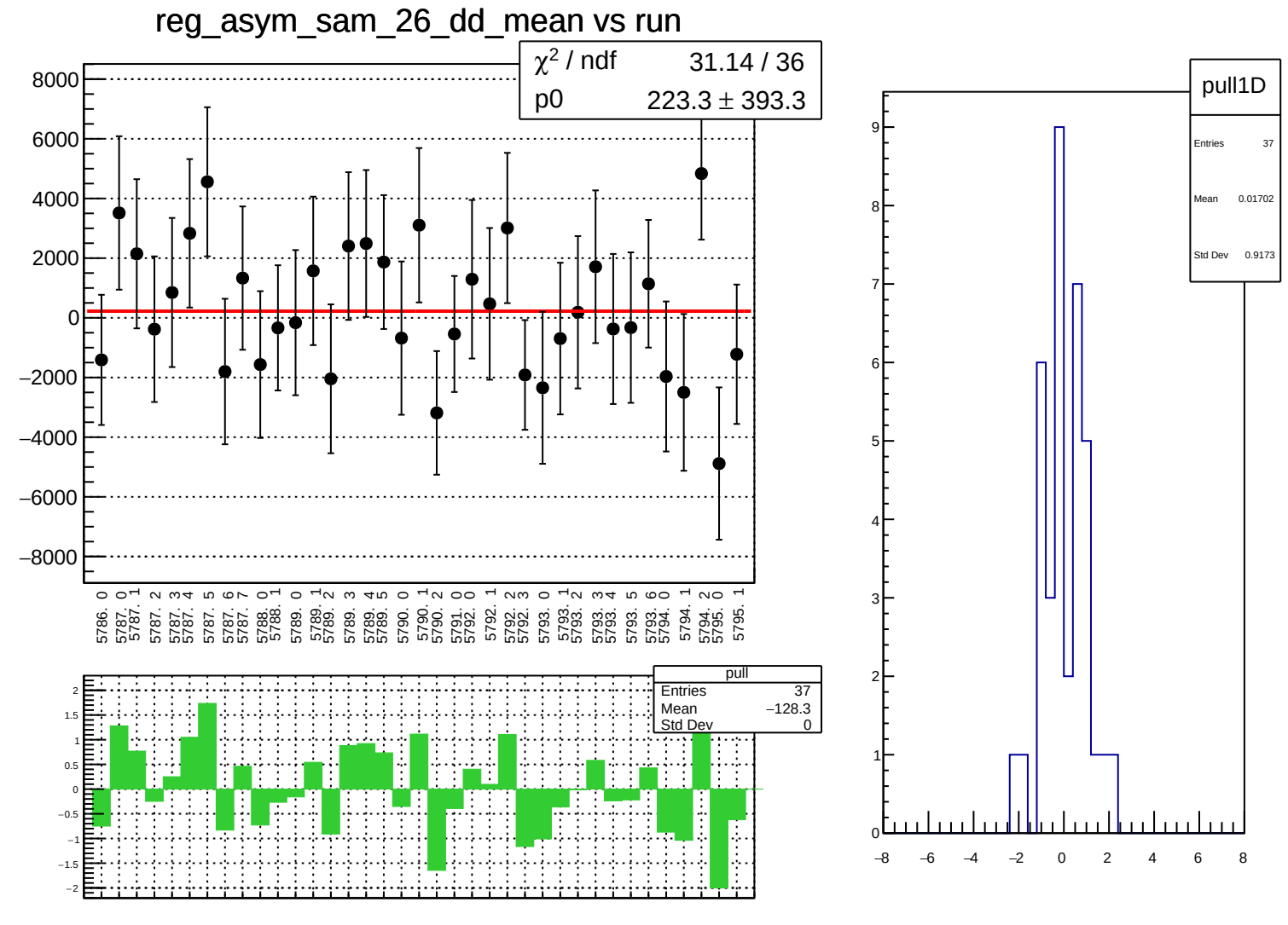

asym_sam_15_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7854 / 36
p0 31.7 ± 0.03672
38
36
34
32
30
28
26
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

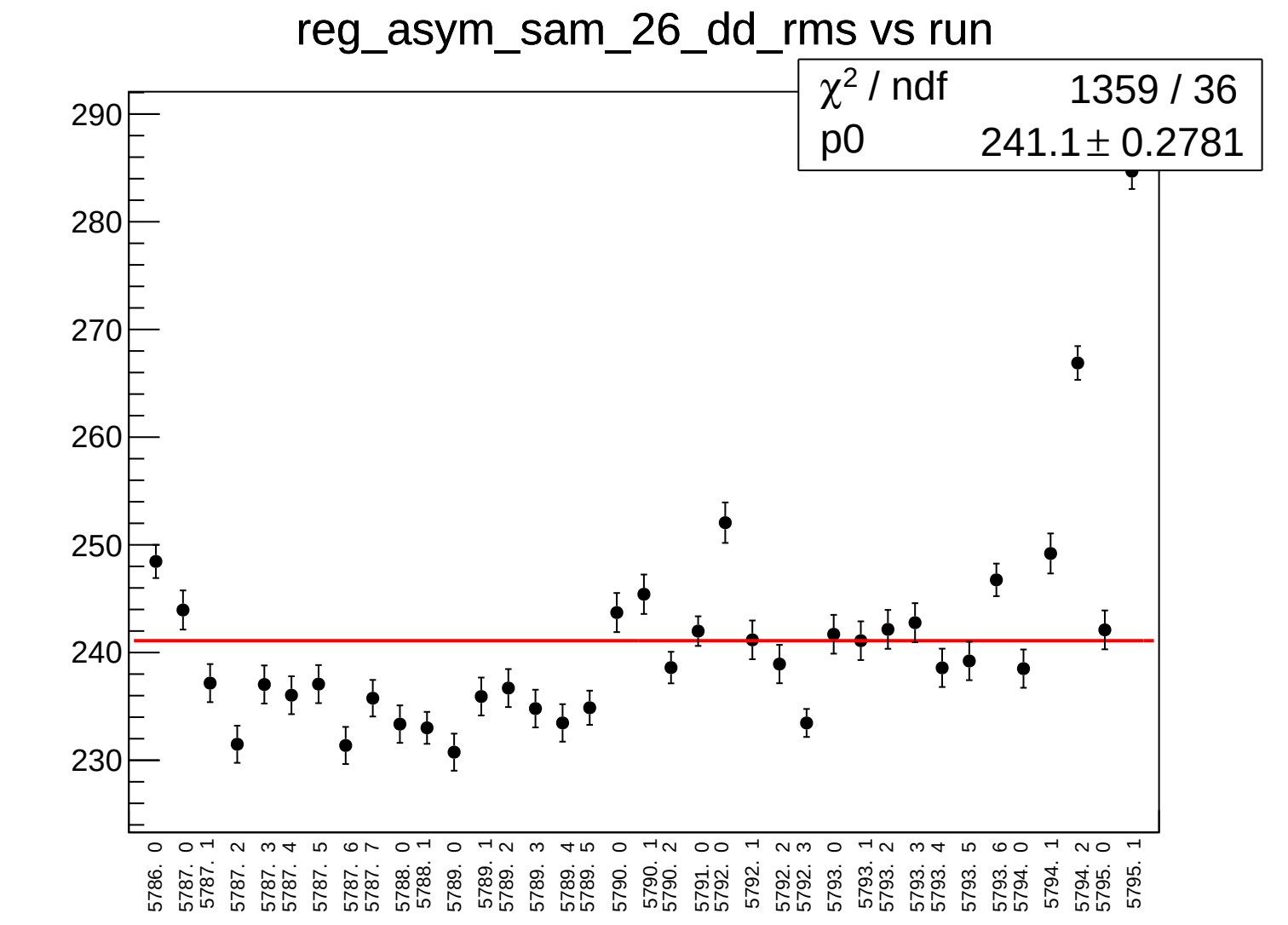

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.3 / 36
p0 −0.02873 ± 0.05193
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.57
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.04945
Std Dev 1.081
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

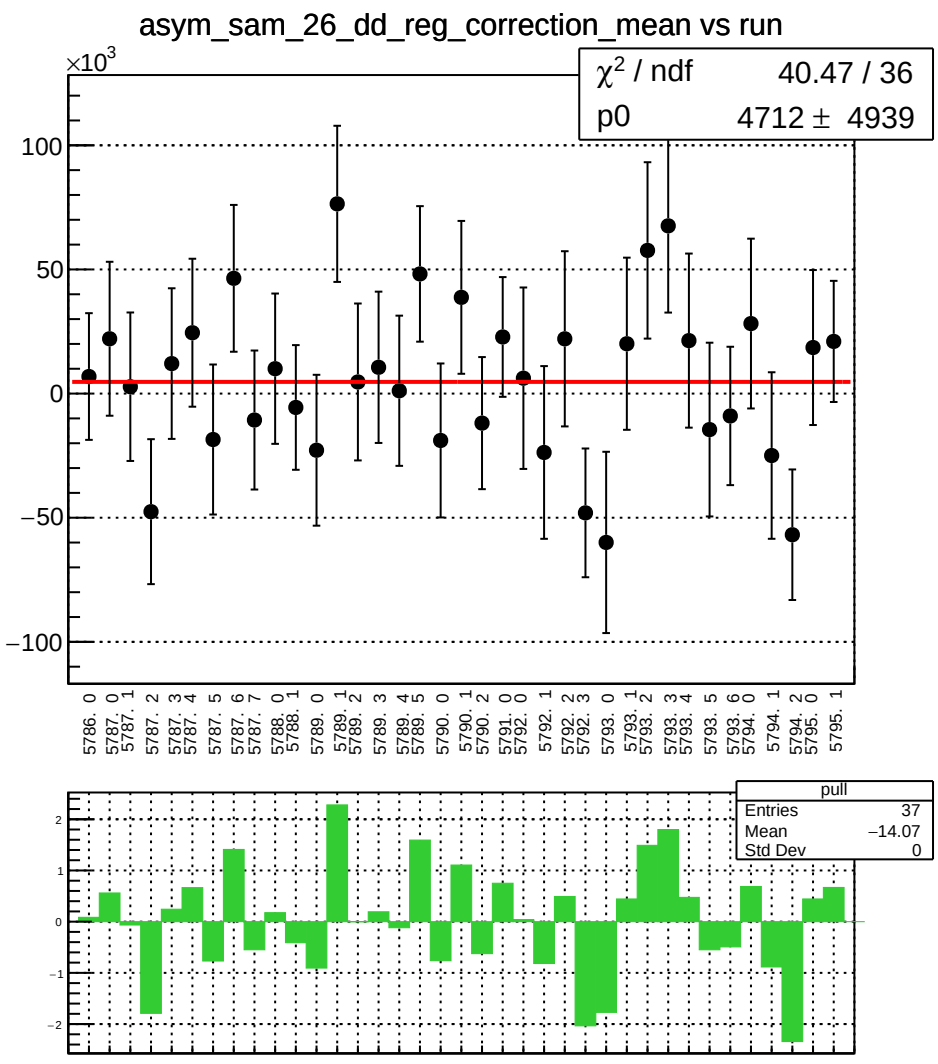

asym_sam_15_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7854 / 36
p0 31.7 ± 0.03672
38
36
34
32
30
28
26
24
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

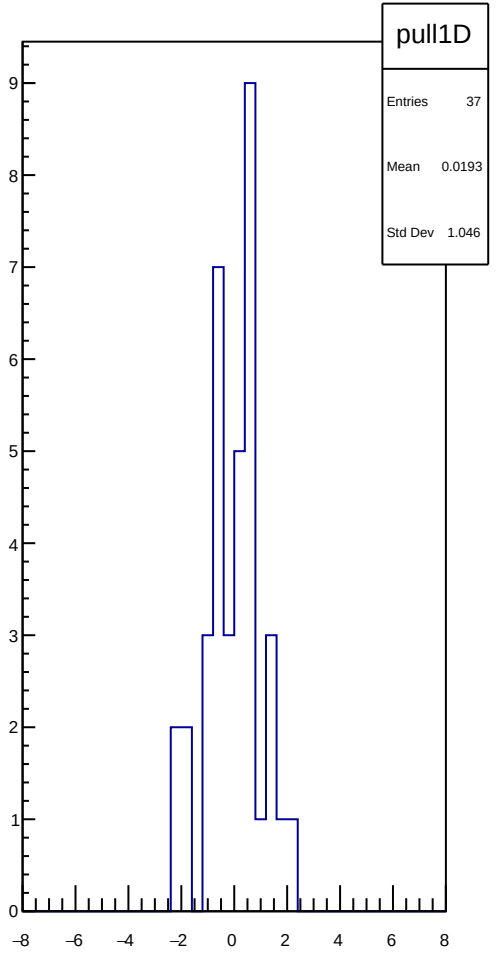

asym_sam_15_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 36.81 / 36
p0 2.101e−14 ± 5.516e−14
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 60.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02576
Std Dev 0.9971
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

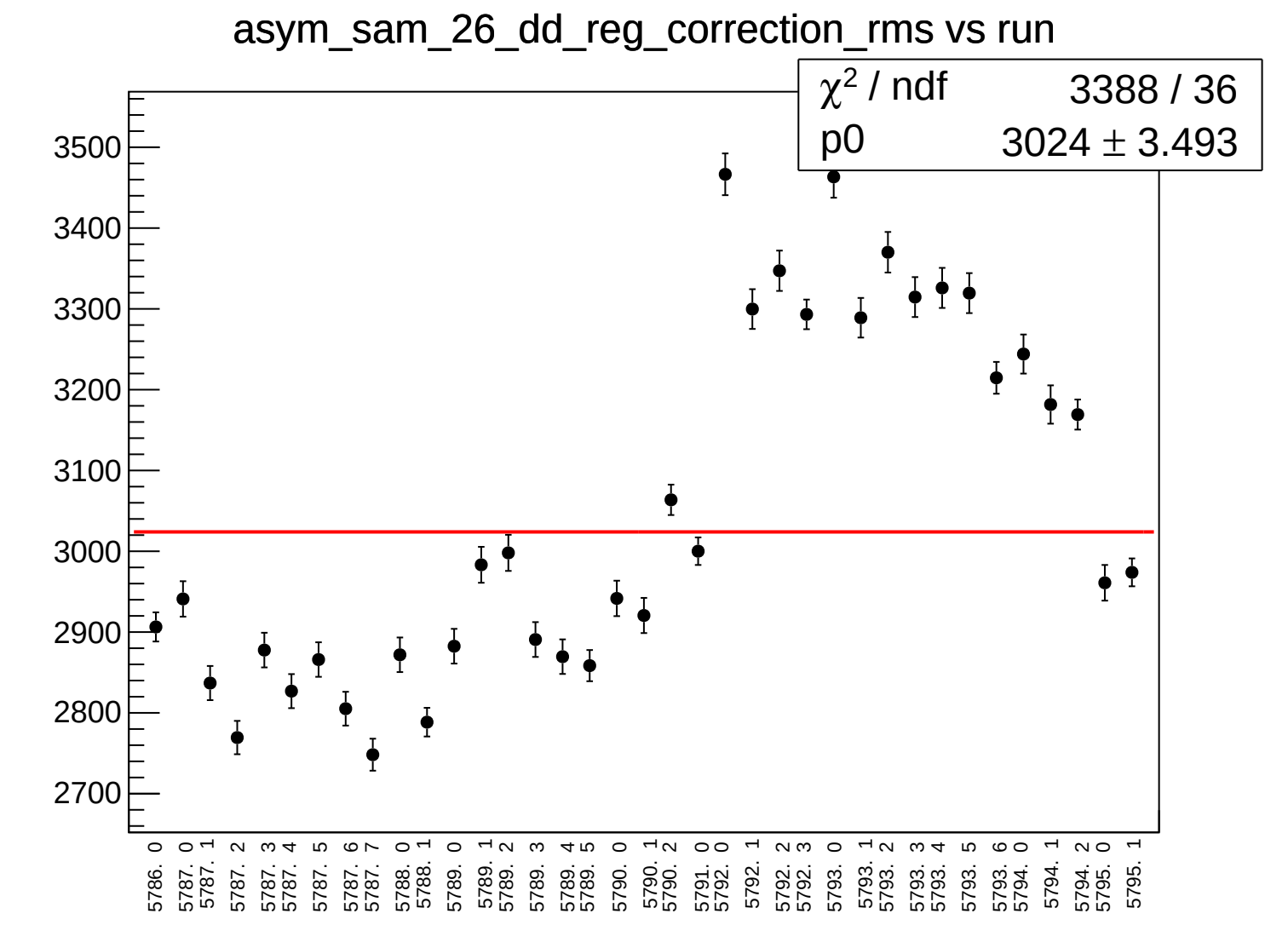

asym_sam_15_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.169e+05 / 36
p0 3.111e−11 ± 3.9e−14
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

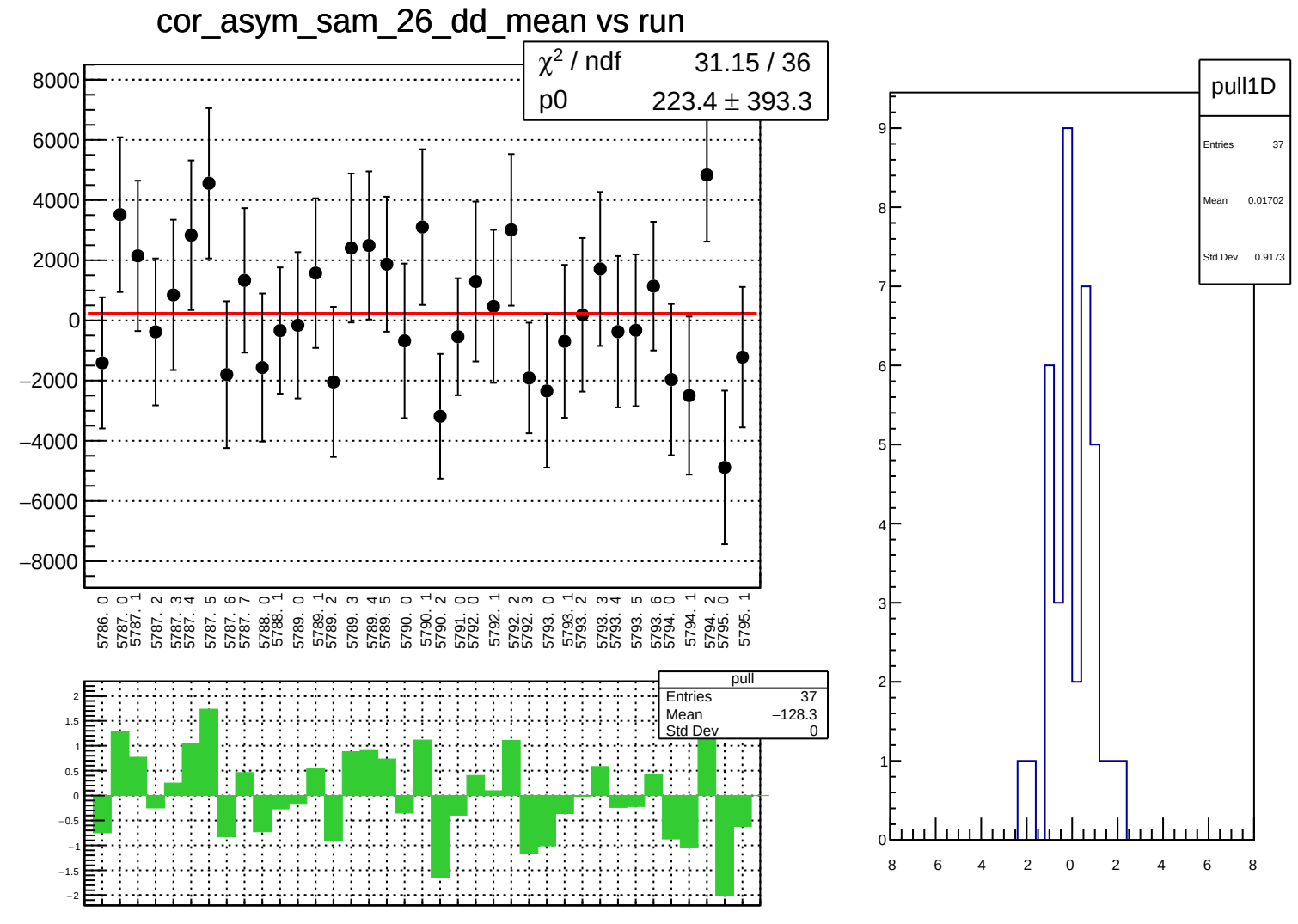

reg_asym_sam_26_dd_mean vs run
χ² / ndf 31.14 / 36
p0 223.3 ± 393.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −128.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01702
Std Dev 0.9173
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

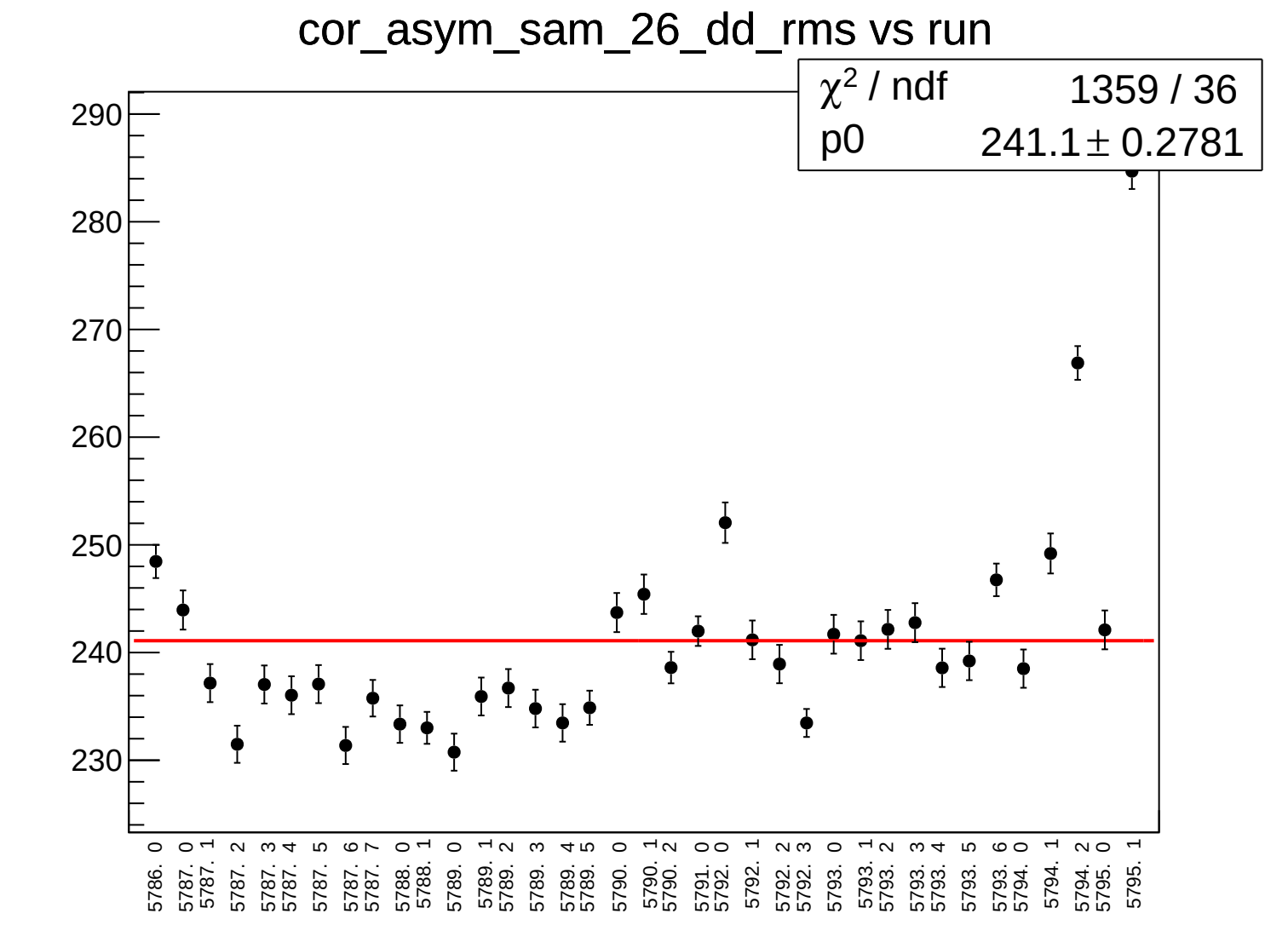

reg_asym_sam_26_dd_rms vs run
χ² / ndf 1359 / 36
p0 241.1 ± 0.2781
290
280
270
260
250
240
230
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

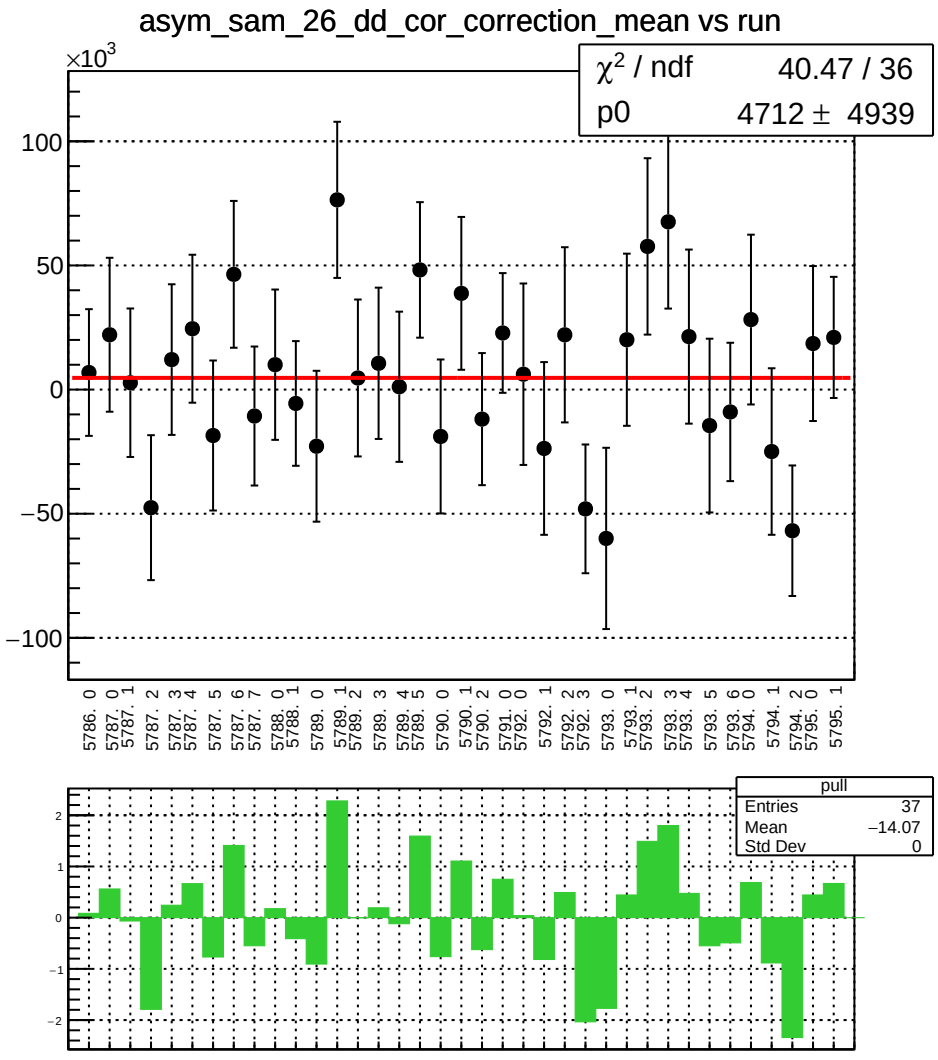

asym_sam_26_dd_reg_correction_mean vs run
×10^3
χ^2 / ndf 40.47 / 36
p0 4712 ± 4939
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.07
Std Dev 0
2
1
0
−1
−2

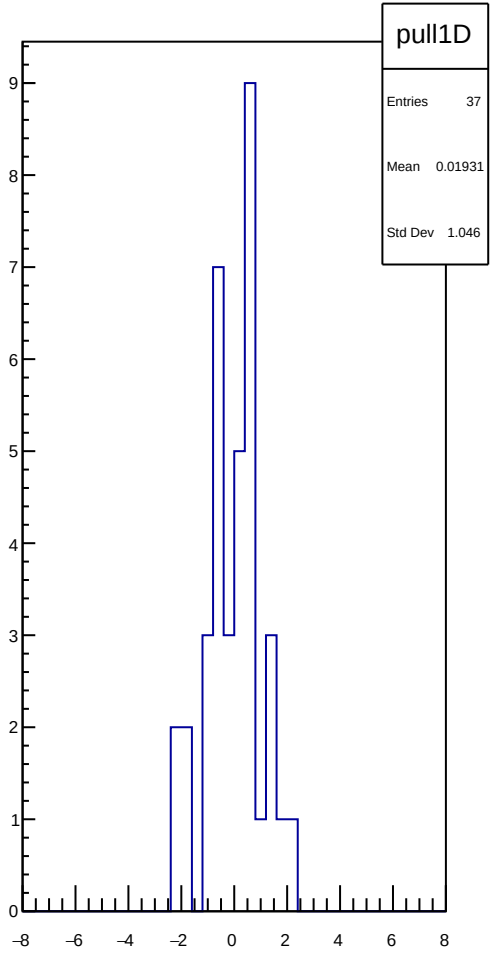

pull1D
Entries 37
Mean 0.0193
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

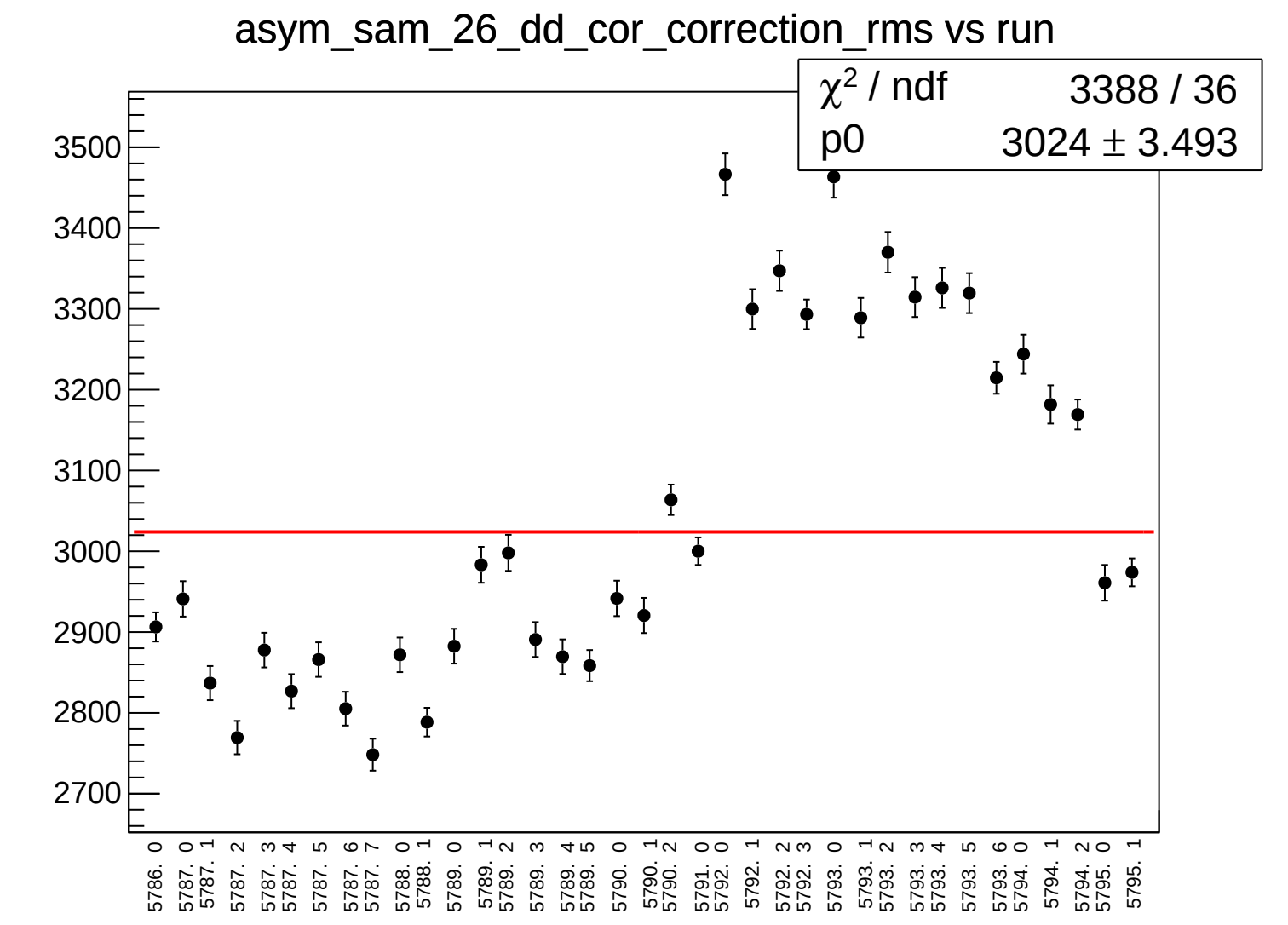

asym_sam_26_dd_reg_correction_rms vs run
χ² / ndf 3388 / 36
p0 3024 ± 3.493
3500
3400
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

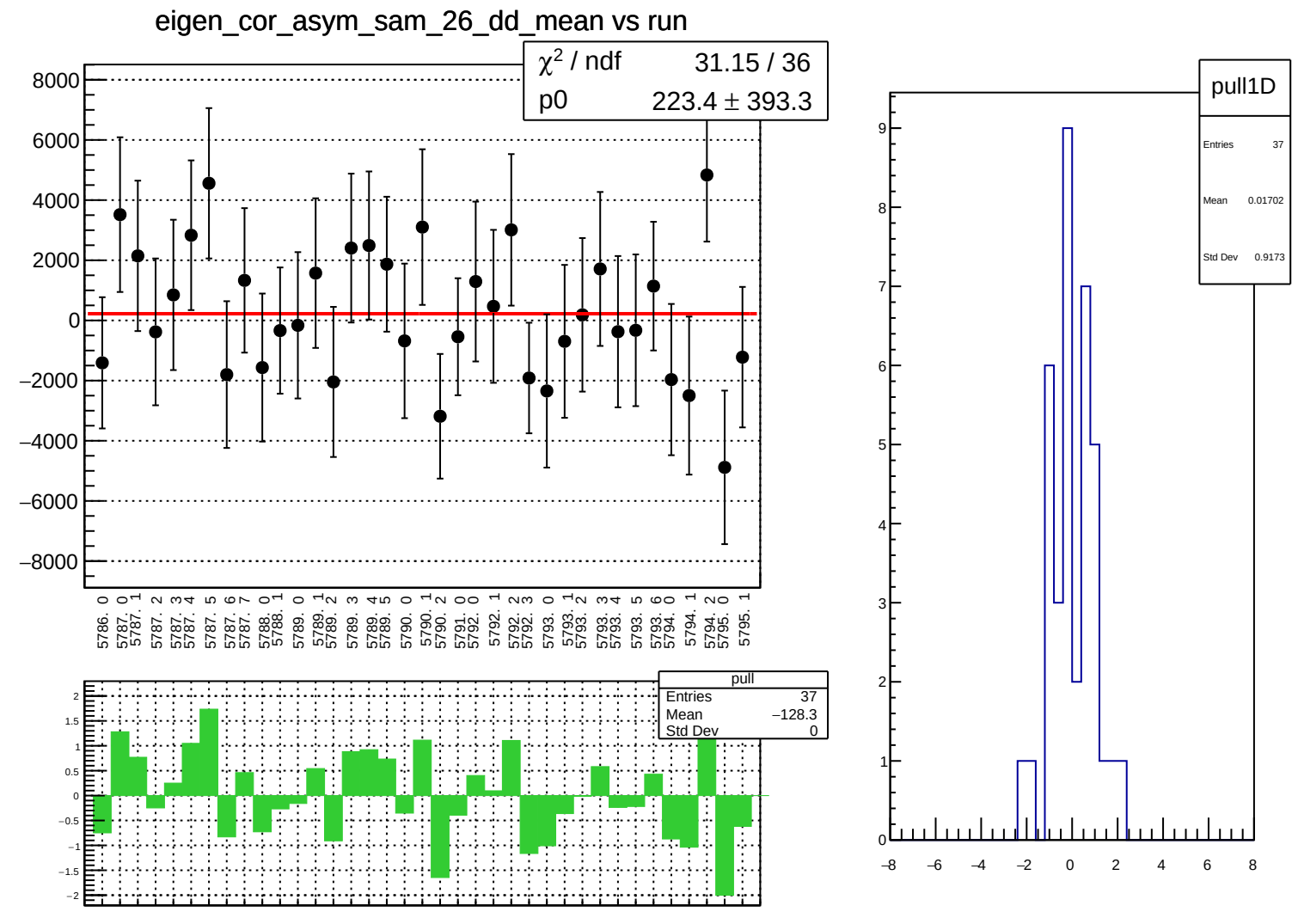

cor_asym_sam_26_dd_mean vs run
χ² / ndf 31.15 / 36
p0 223.4 ± 393.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −128.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01702
Std Dev 0.9173
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

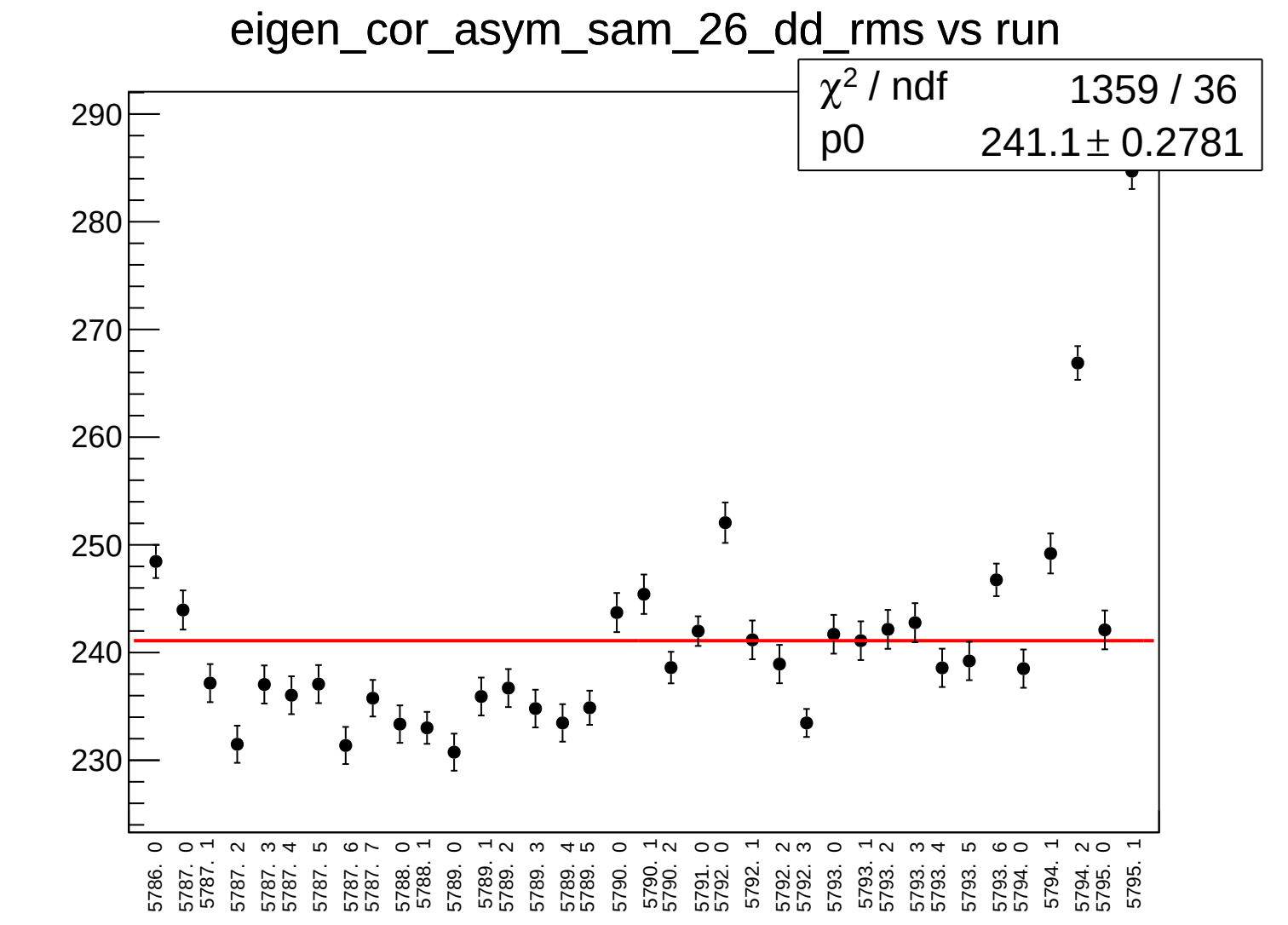

cor_asym_sam_26_dd_rms vs run
χ² / ndf 1359 / 36
p0 241.1 ± 0.2781
290
280
270
260
250
240
230
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

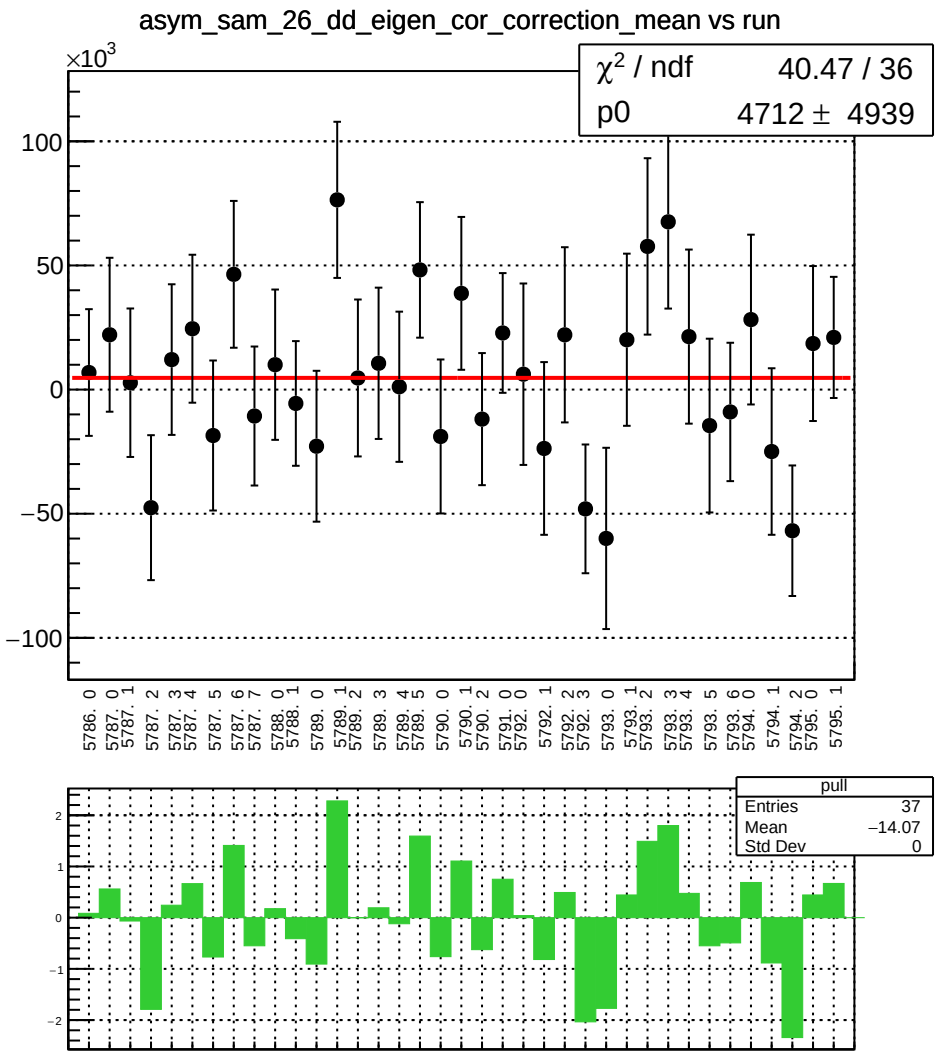

asym_sam_26_dd_cor_correction_mean vs run
×10^3
χ² / ndf 40.47 / 36
p0 4712 ± 4939
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.07
Std Dev 0
2
1
0
−1
−2

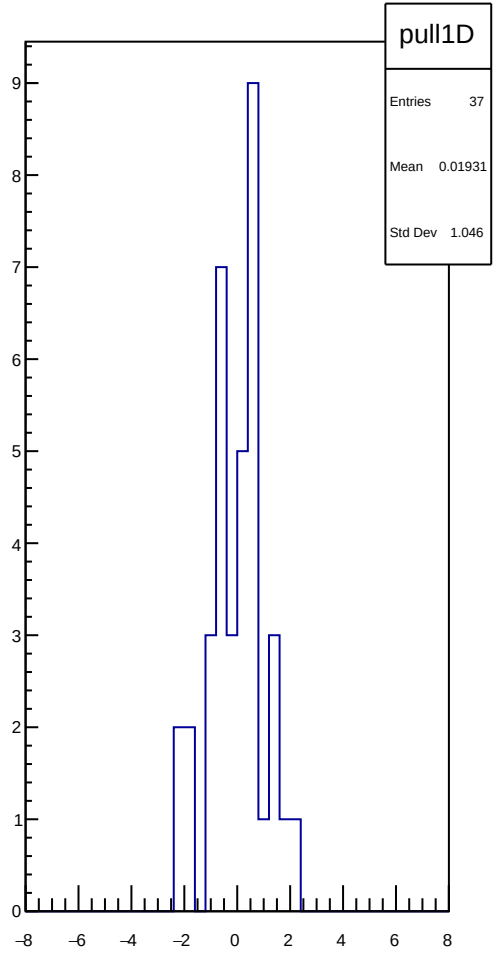

pull1D
Entries 37
Mean 0.01931
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

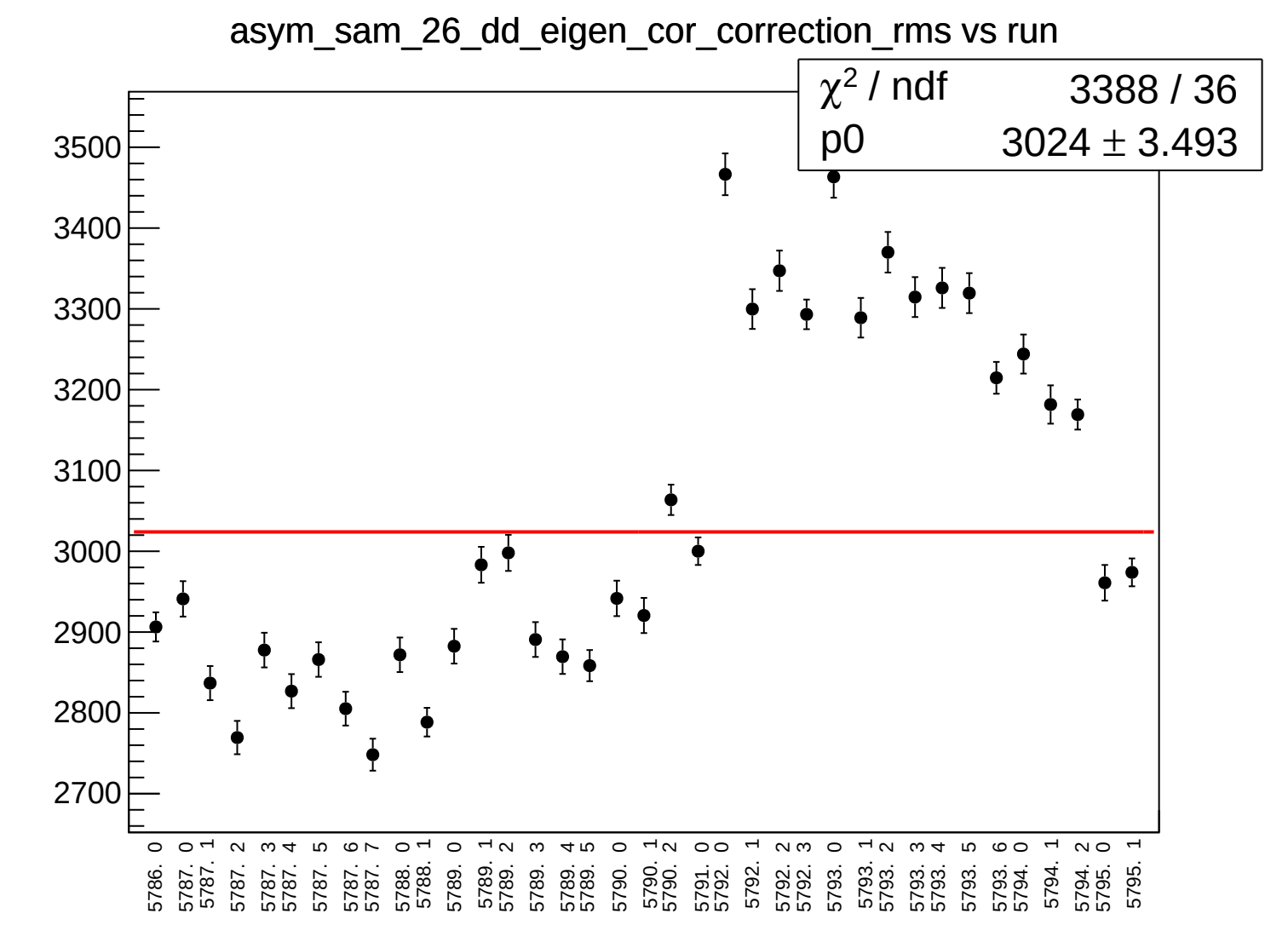

asym_sam_26_dd_cor_correction_rms vs run
χ² / ndf 3388 / 36
p0 3024 ± 3.493
3500
3400
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

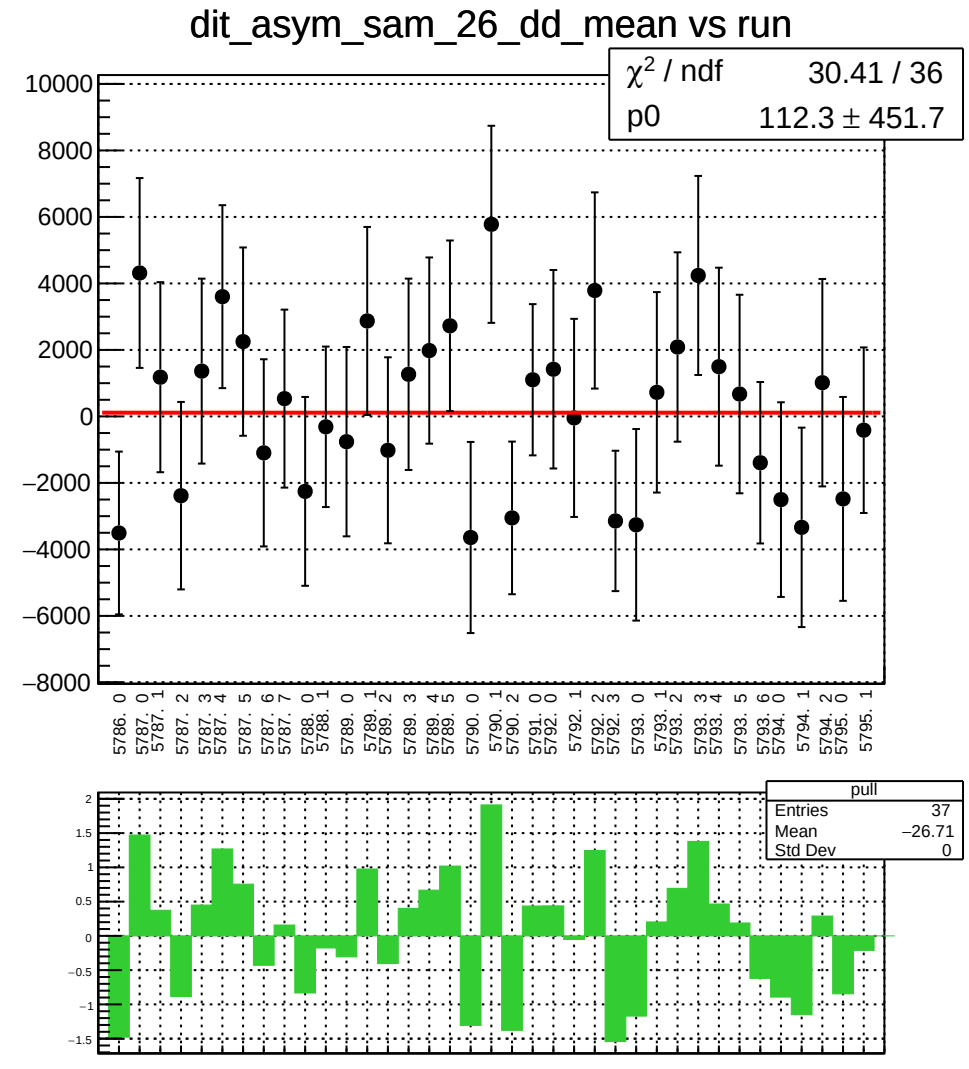

eigen_cor_asym_sam_26_dd_mean vs run
χ² / ndf 31.15 / 36
p0 223.4 ± 393.3
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −128.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01702
Std Dev 0.9173
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

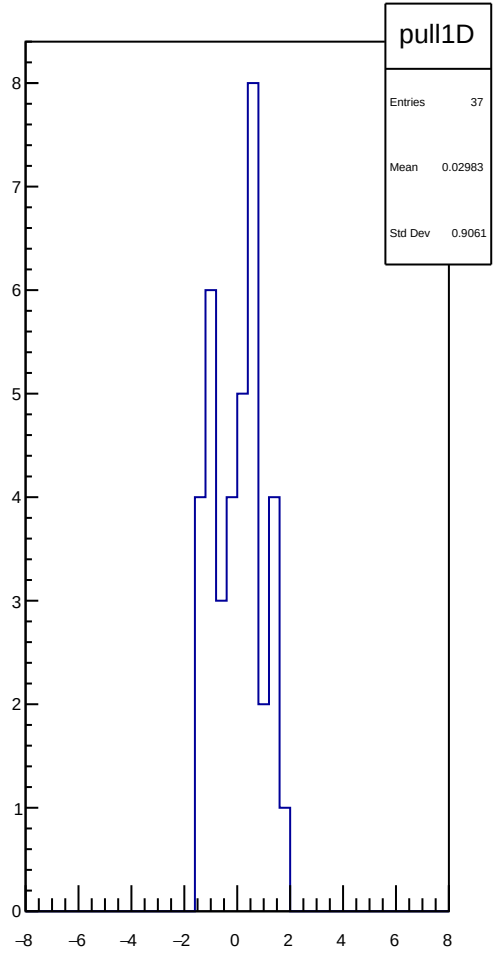

eigen_cor_asym_sam_26_dd_rms vs run
χ² / ndf 1359 / 36
p0 241.1 ± 0.2781
290
280
270
260
250
240
230
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

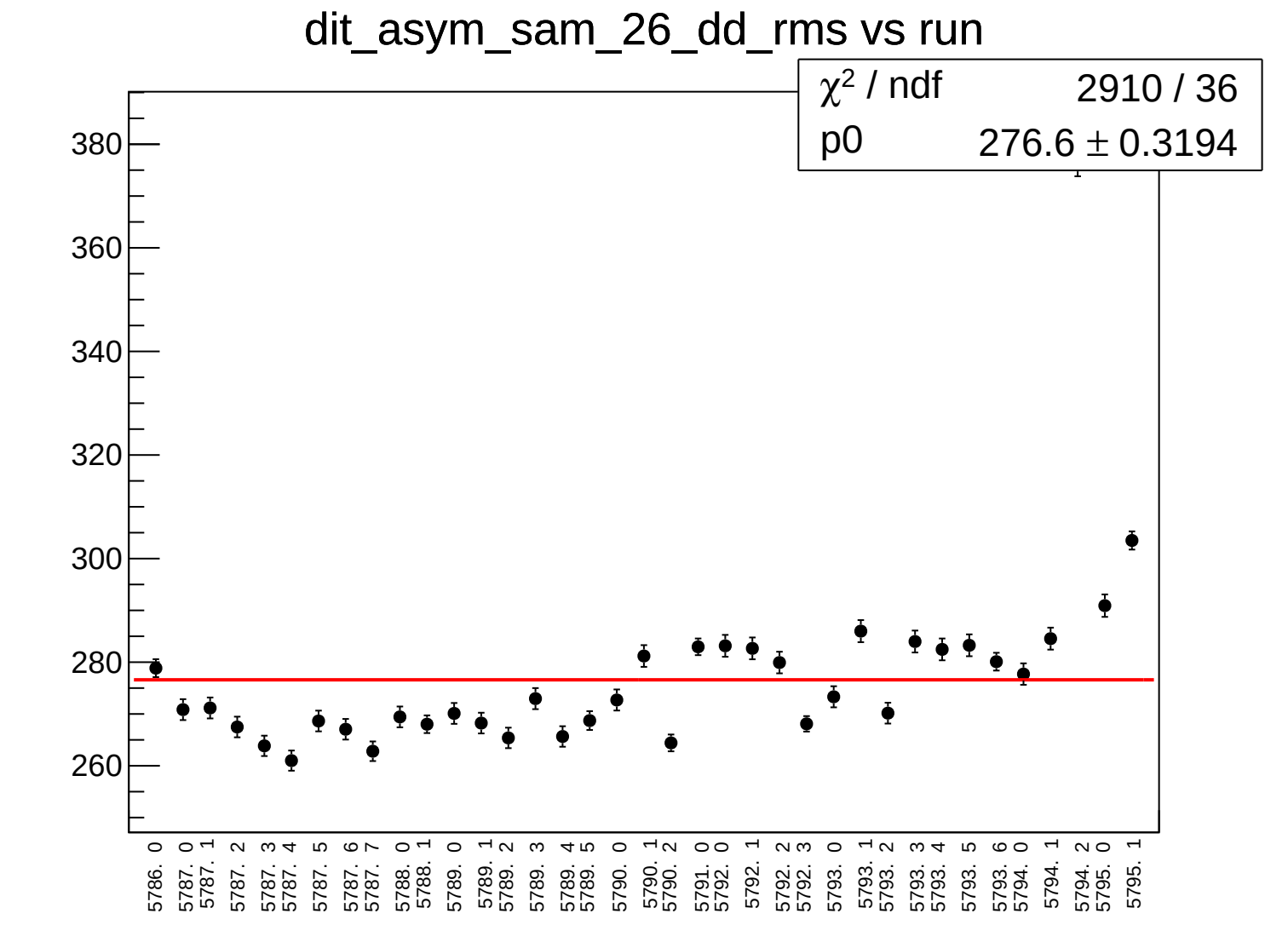

asym_sam_26_dd_eigen_cor_correction_mean vs run
×10^3
χ² / ndf 40.47 / 36
p0 4712 ± 4939
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.07
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.01931
Std Dev 1.046
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3388 / 36
p0 3024 ± 3.493
3500
3400
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_26_dd_mean vs run
χ² / ndf 30.41 / 36
p0 112.3 ± 451.7
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.02983
Std Dev 0.9061
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 2910 / 36
p0 276.6 ± 0.3194
380
360
340
320
300
280
260
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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5793. 2
5793. 3
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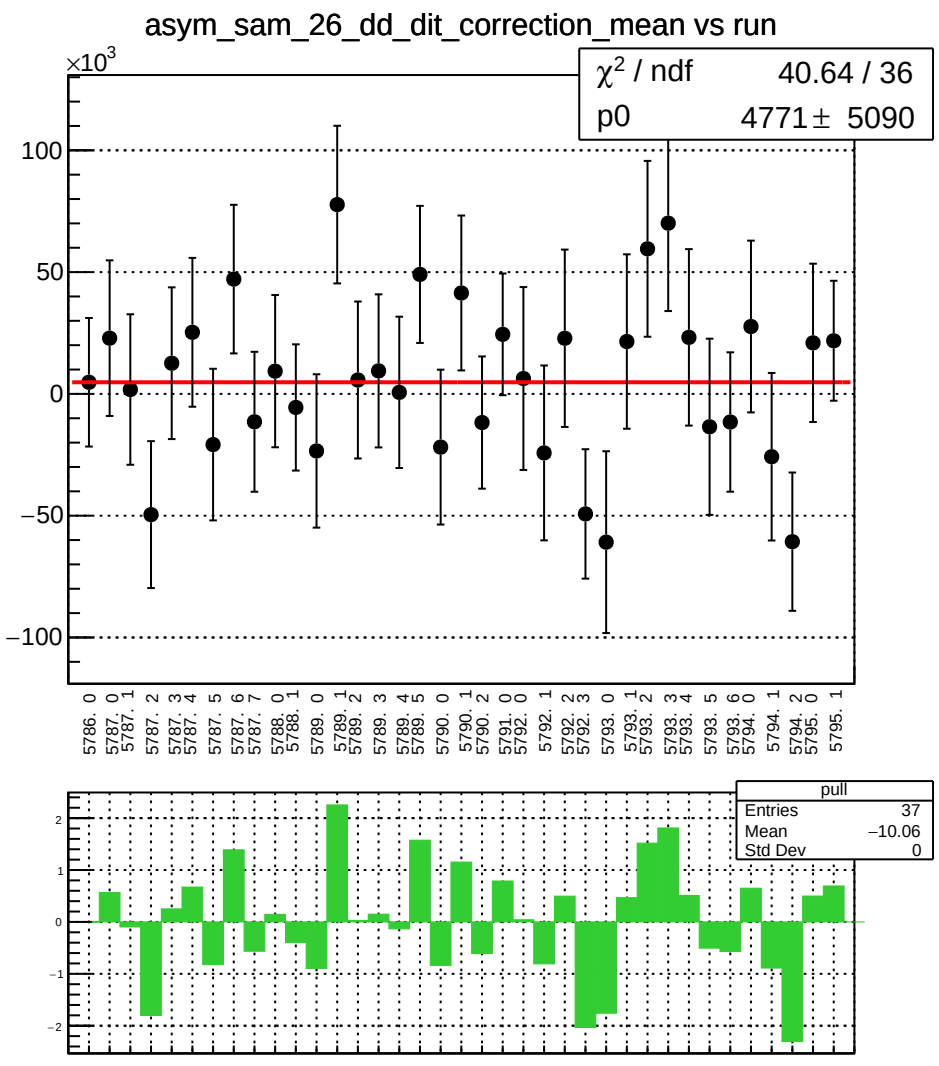
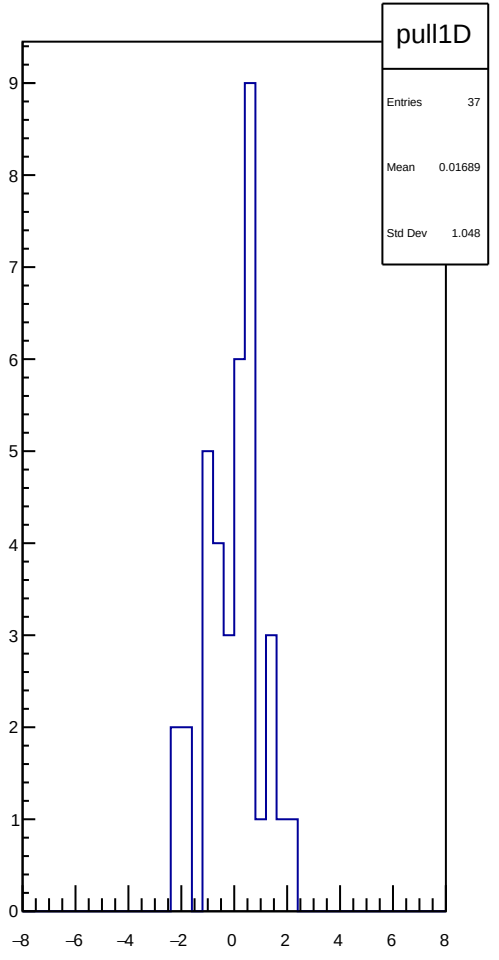
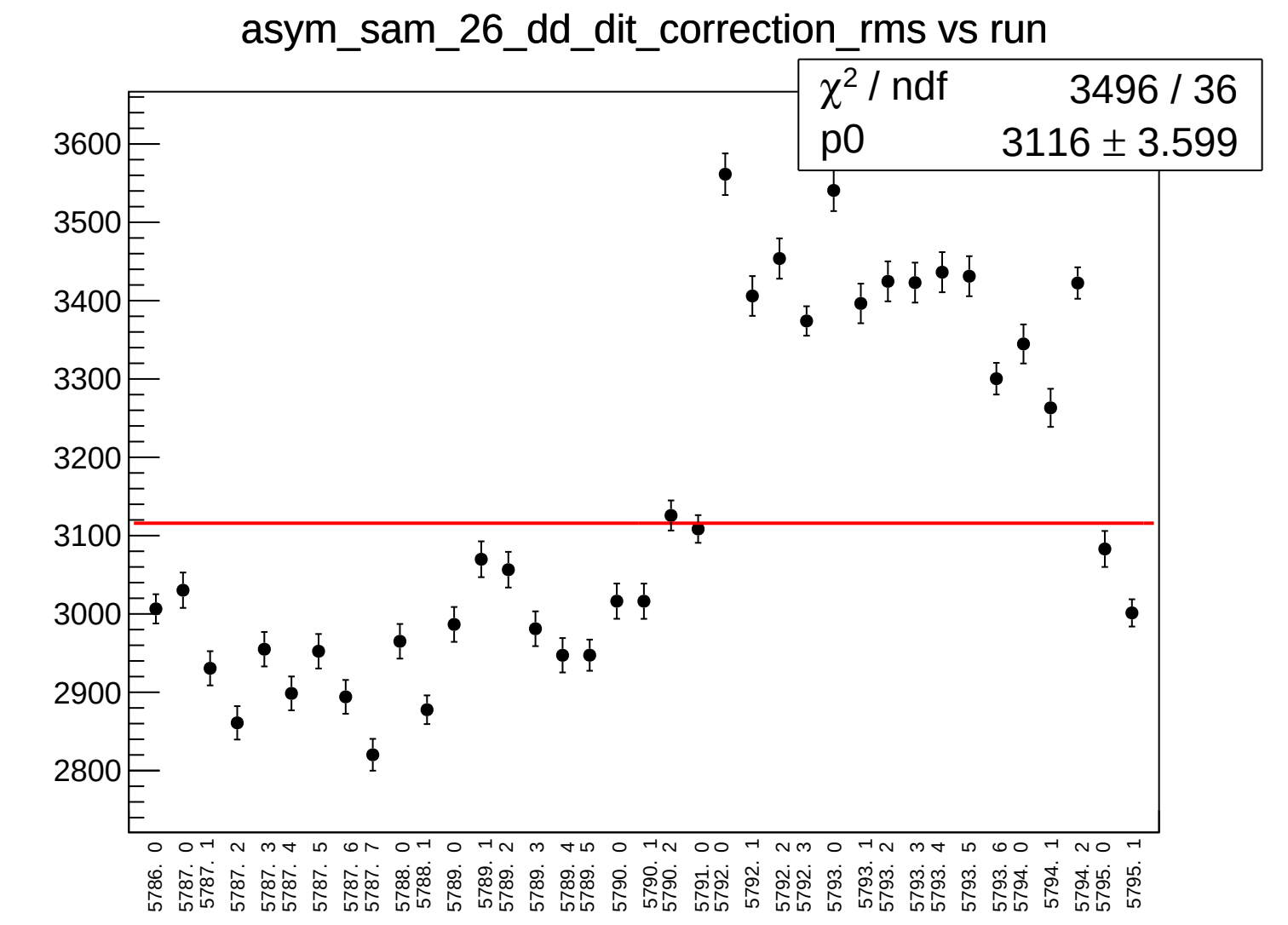
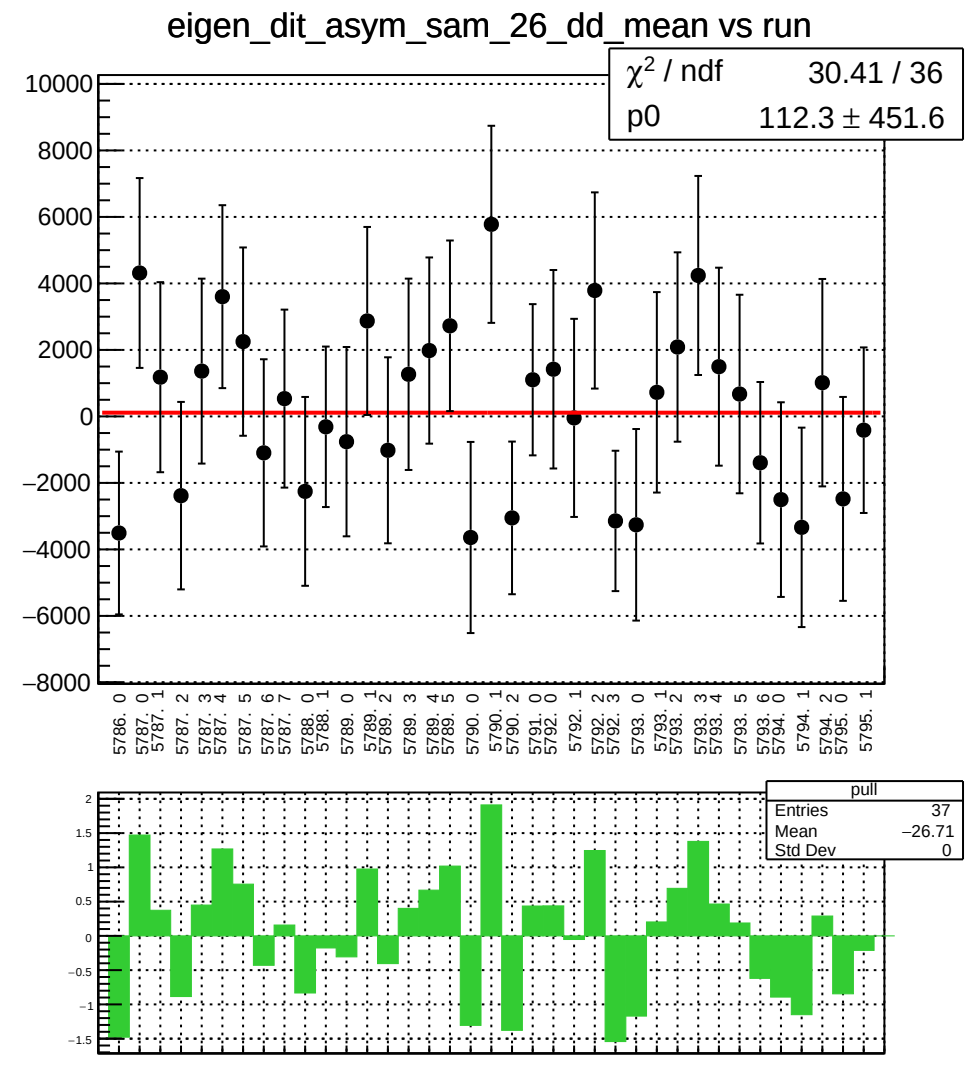
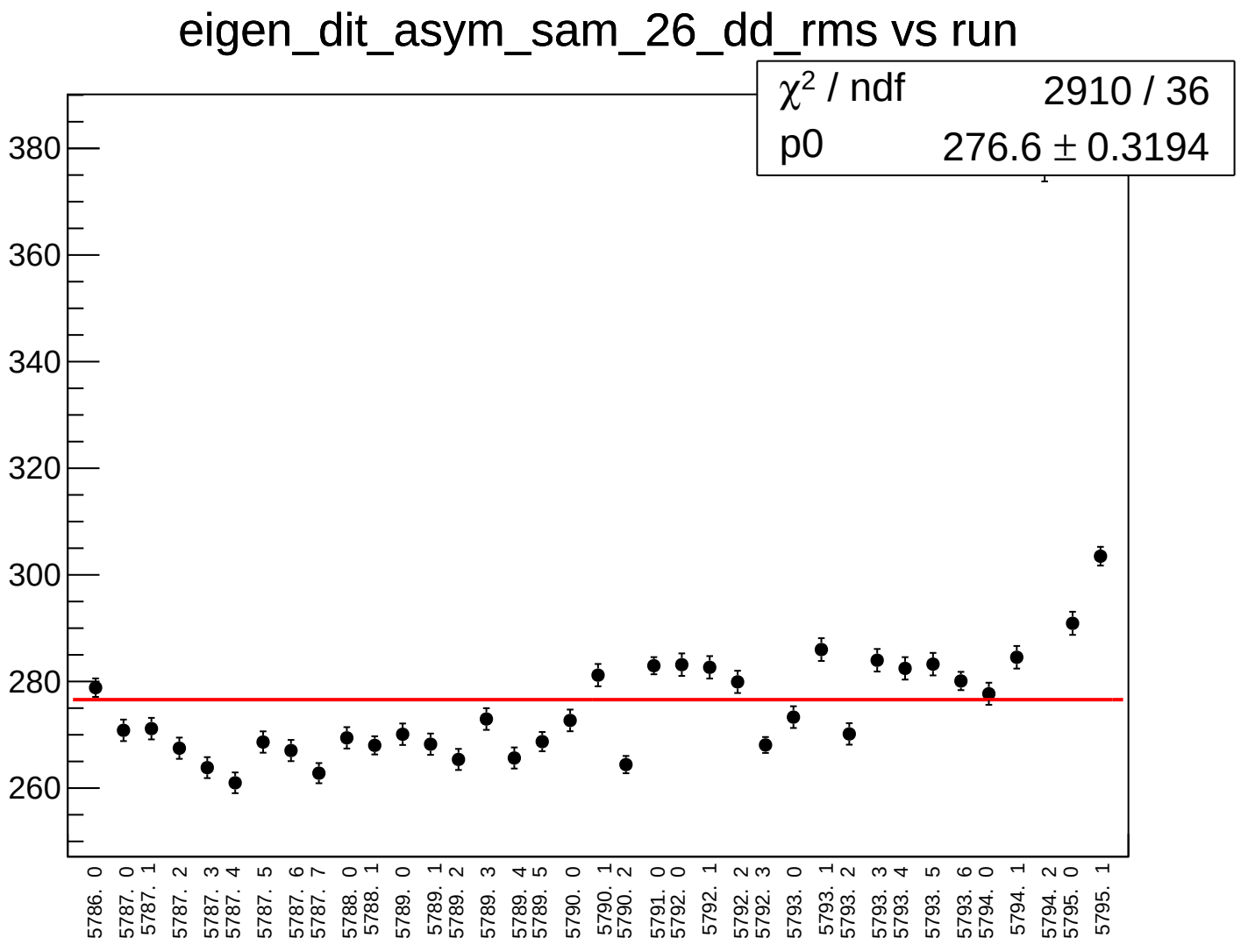
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

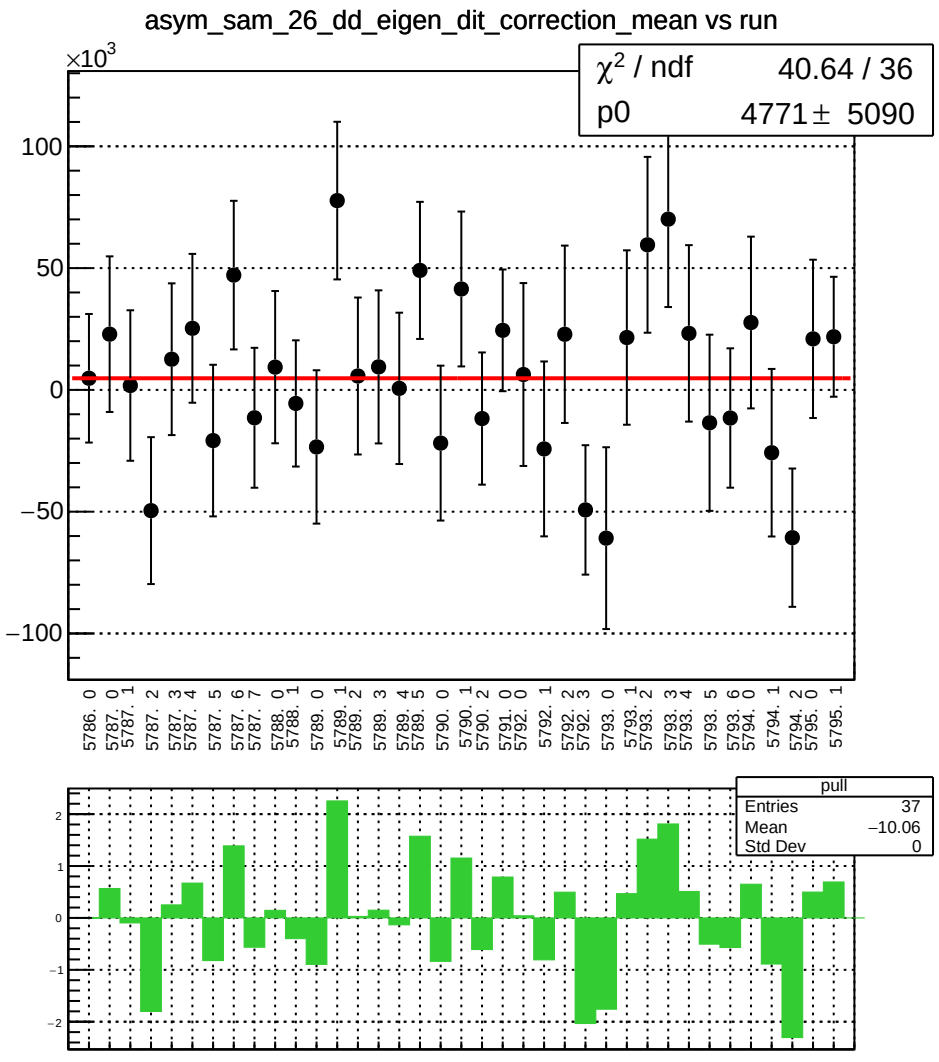

asym_sam_26_dd_dit_correction_mean vs run
×10^3
χ² / ndf 40.64 / 36
p0 4771 ± 5090
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.06
Std Dev 0
2
1
0
−1
−2

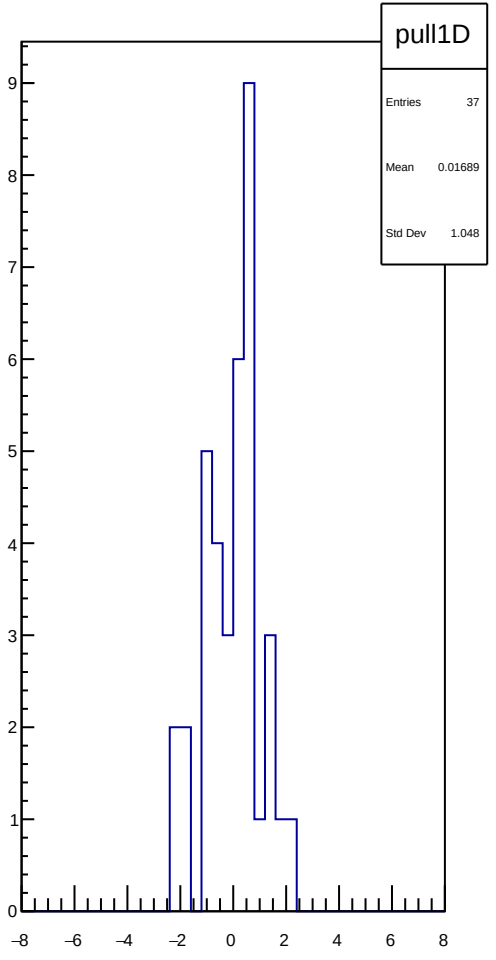

pull1D
Entries 37
Mean 0.01689
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

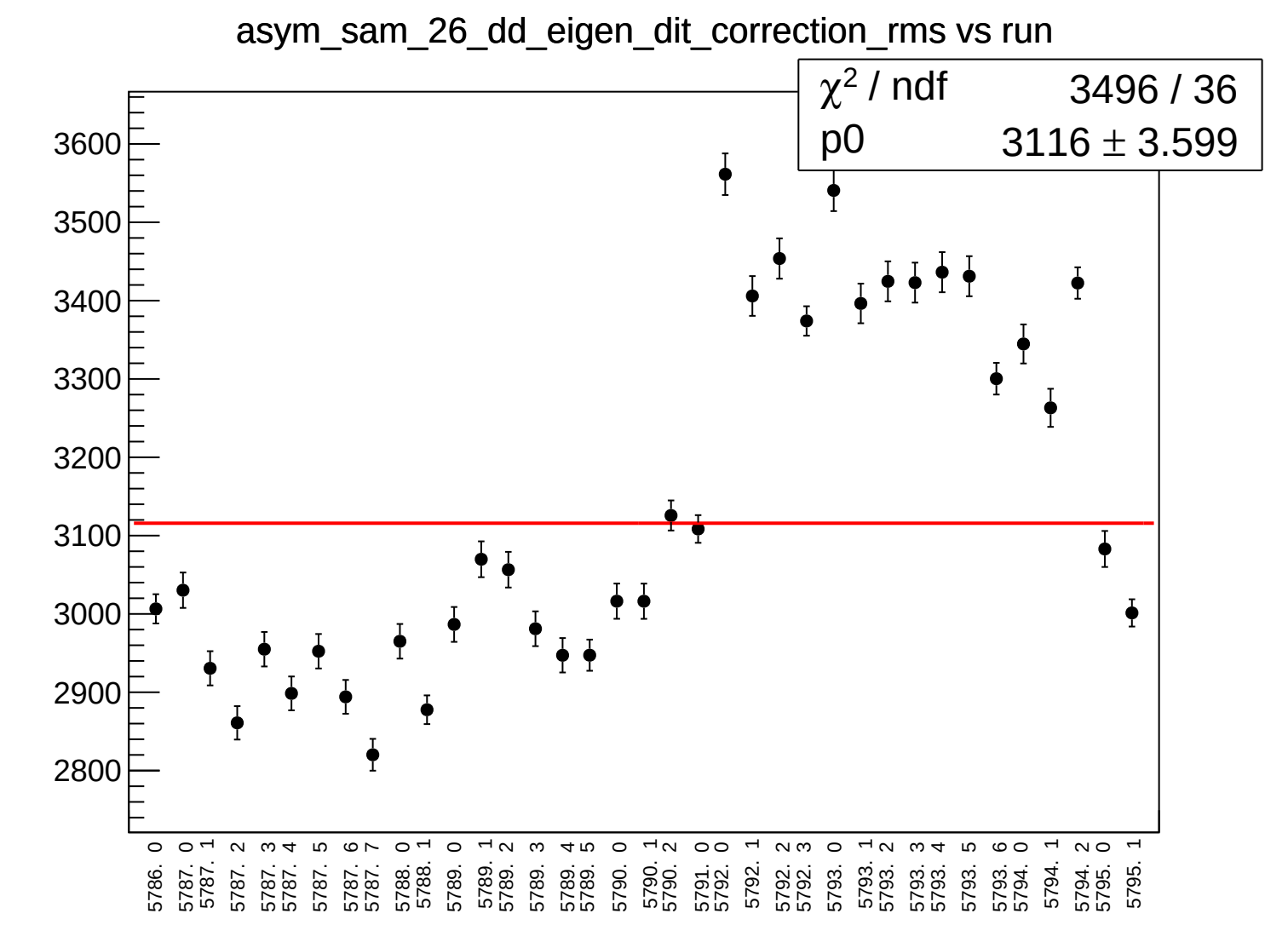

asym_sam_26_dd_dit_correction_rms vs run
χ² / ndf 3496 / 36
p0 3116 ± 3.599
3600
3500
3400
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

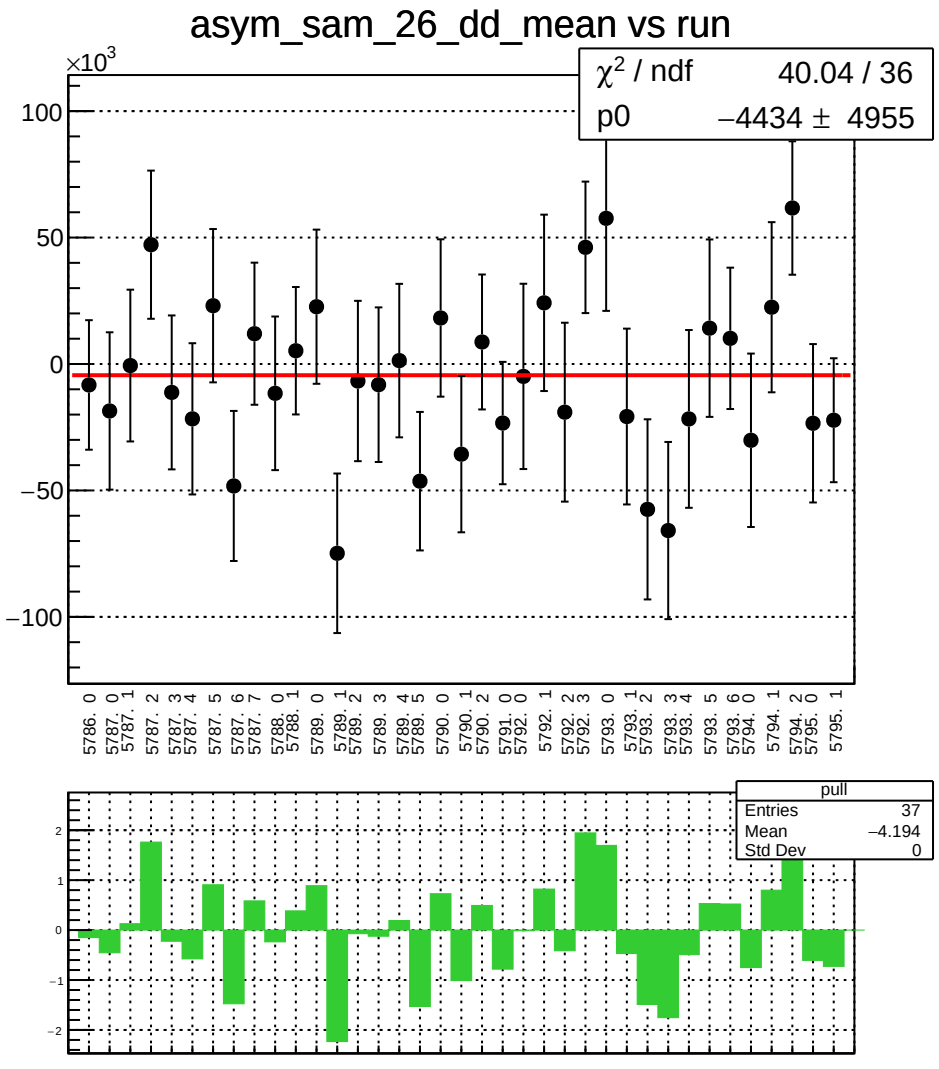

eigen_dit_asym_sam_26_dd_mean vs run
χ² / ndf 30.41 / 36
p0 112.3 ± 451.6
10000
8000
6000
4000
2000
0
−2000
−4000
−6000
−8000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.71
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02983
Std Dev 0.9061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

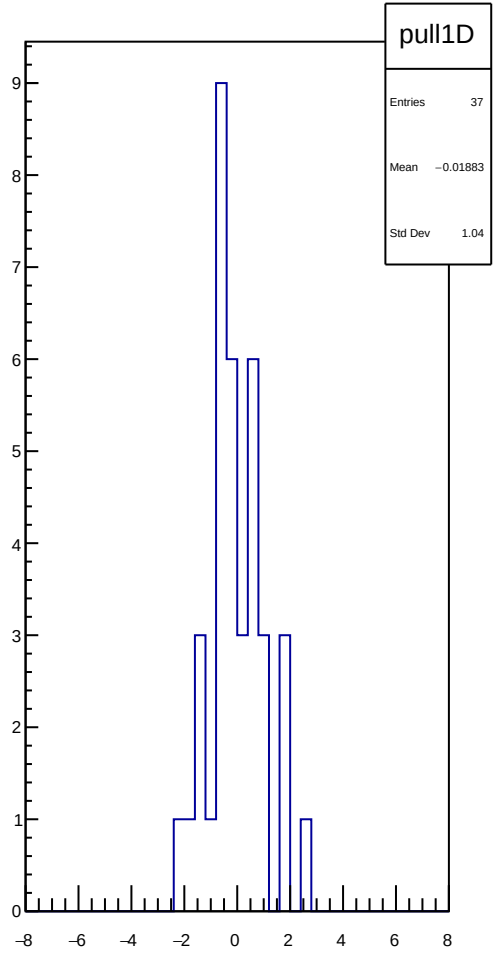

eigen_dit_asym_sam_26_dd_rms vs run
χ² / ndf 2910 / 36
p0 276.6 ± 0.3194
380
360
340
320
300
280
260
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

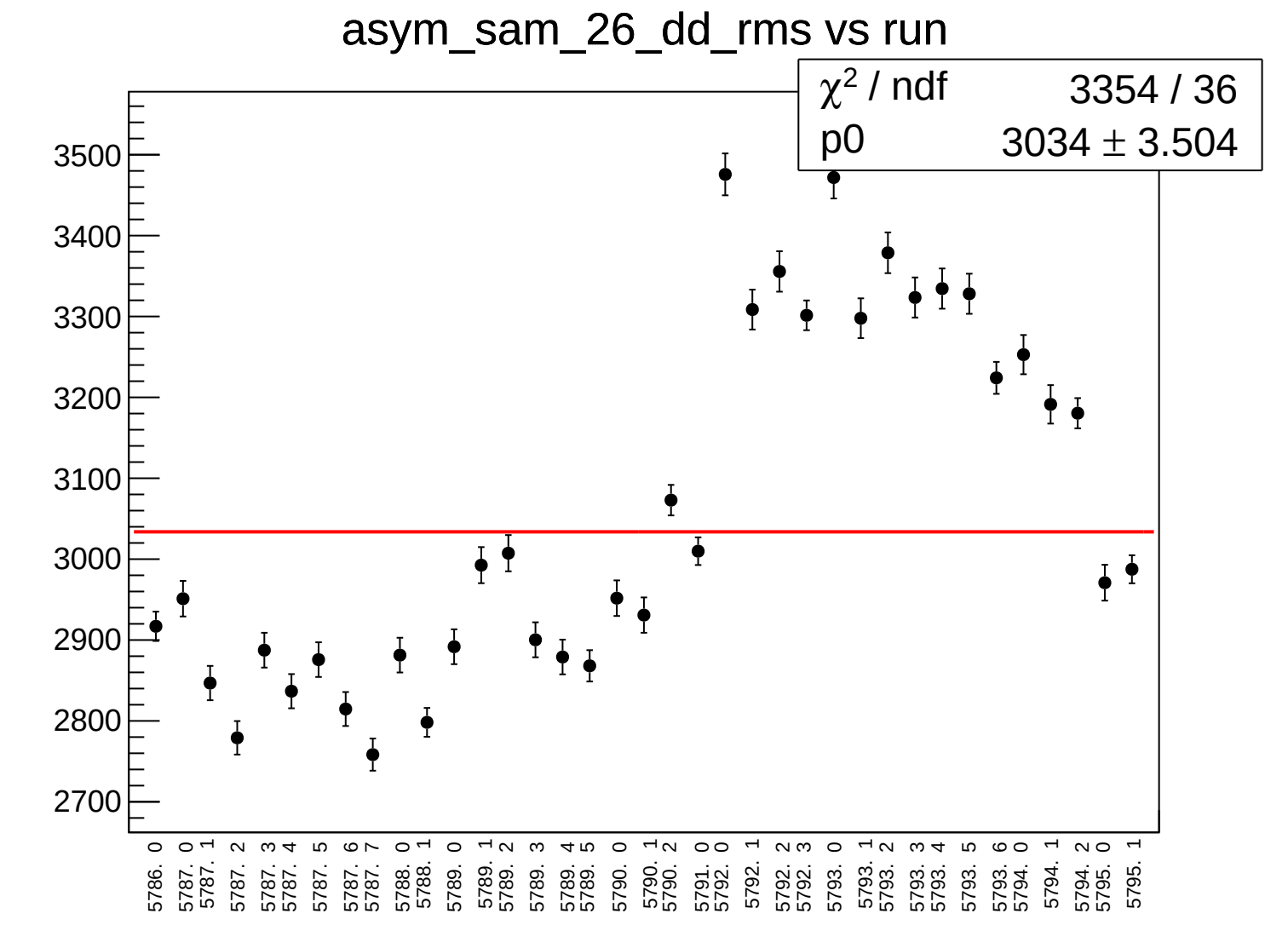

asym_sam_26_dd_eigen_dit_correction_mean vs run
×10^3
χ² / ndf 40.64 / 36
p0 4771 ± 5090
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.06
Std Dev 0
2
1
0
−1
−2

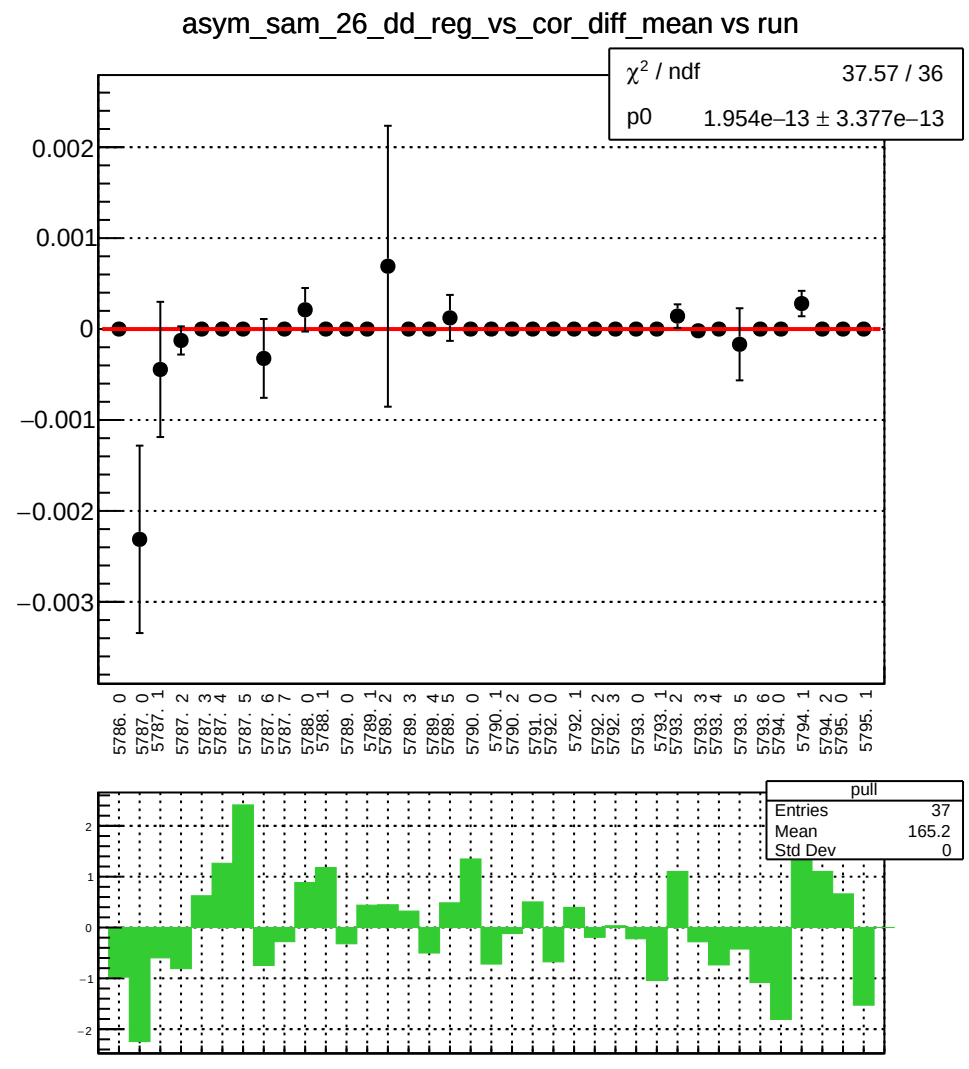

pull1D
Entries 37
Mean 0.01689
Std Dev 1.048
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

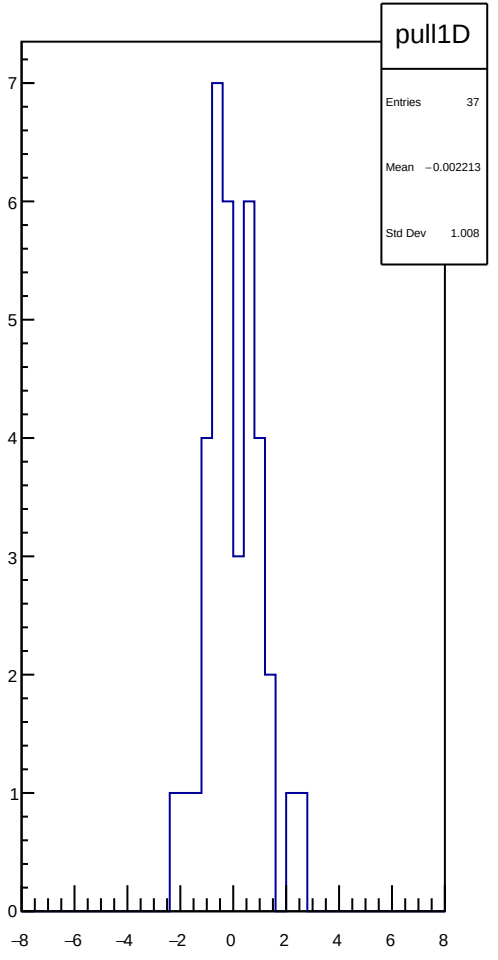

asym_sam_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3496 / 36
p0 3116 ± 3.599
3600
3500
3400
3300
3200
3100
3000
2900
2800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

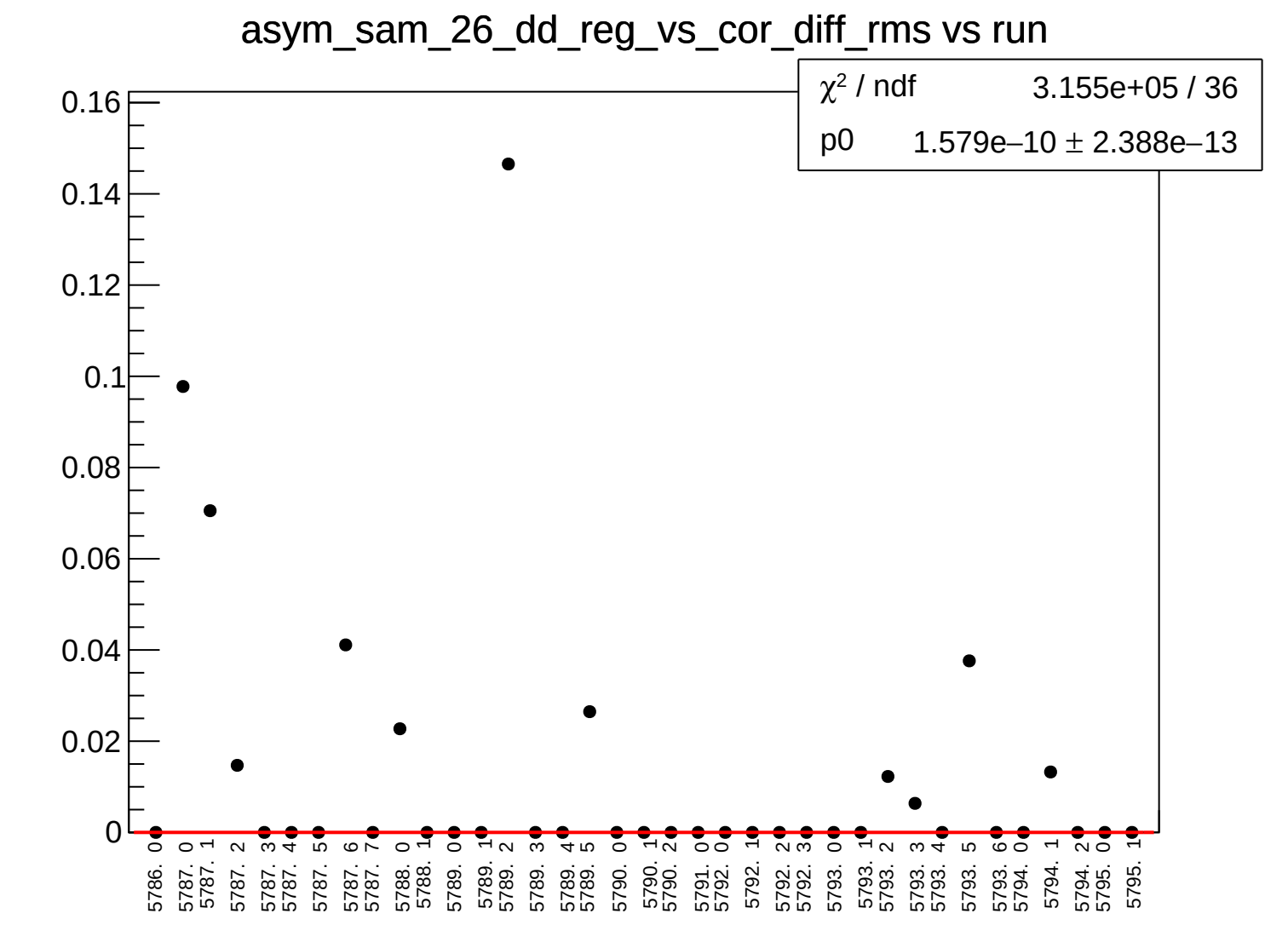

asym_sam_26_dd_mean vs run
×10^3
χ² / ndf 40.04 / 36
p0 −4434 ± 4955
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.194
Std Dev 0
2
1
0
−1
−2

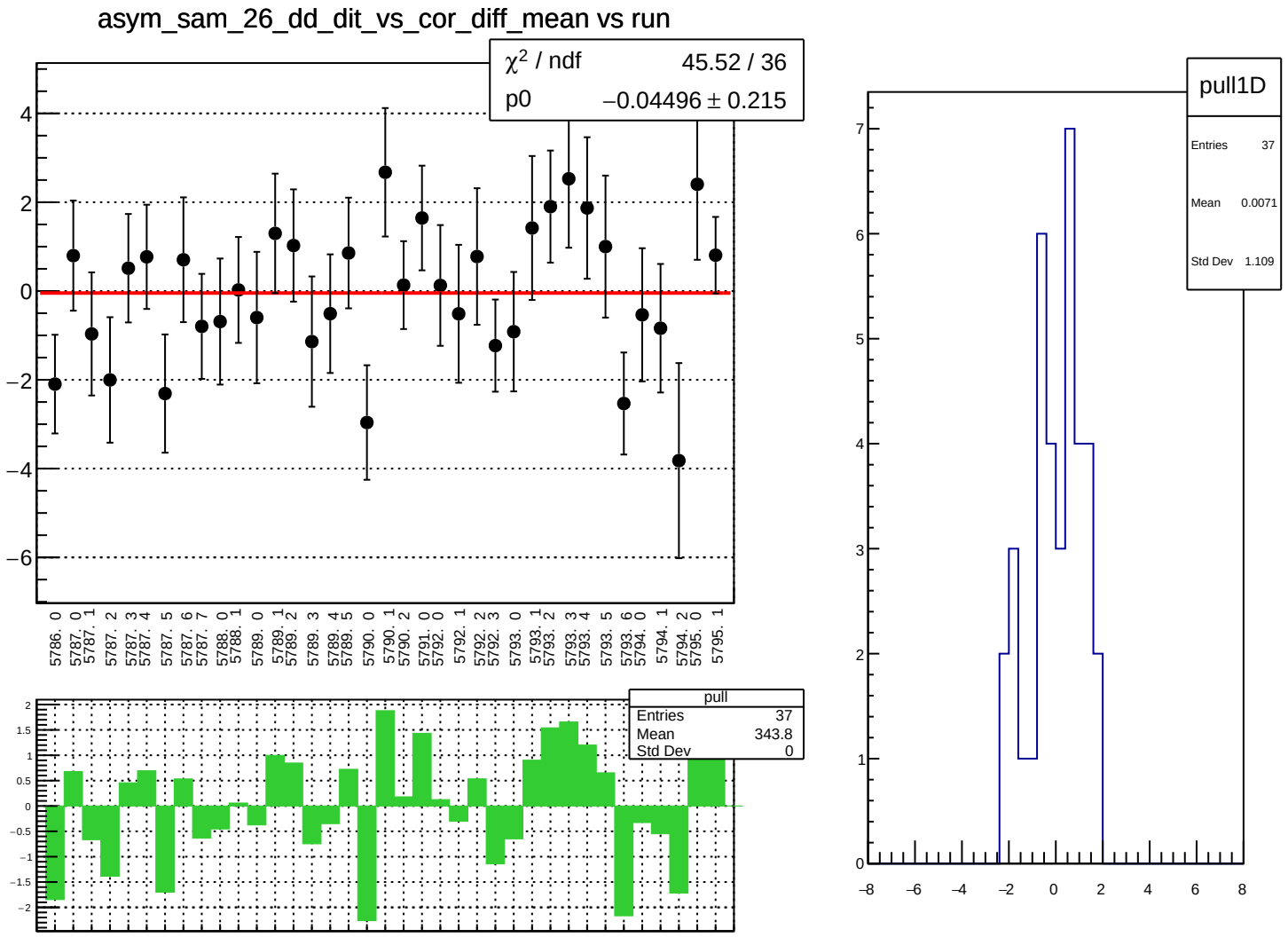

pull1D
Entries 37
Mean −0.01883
Std Dev 1.04
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

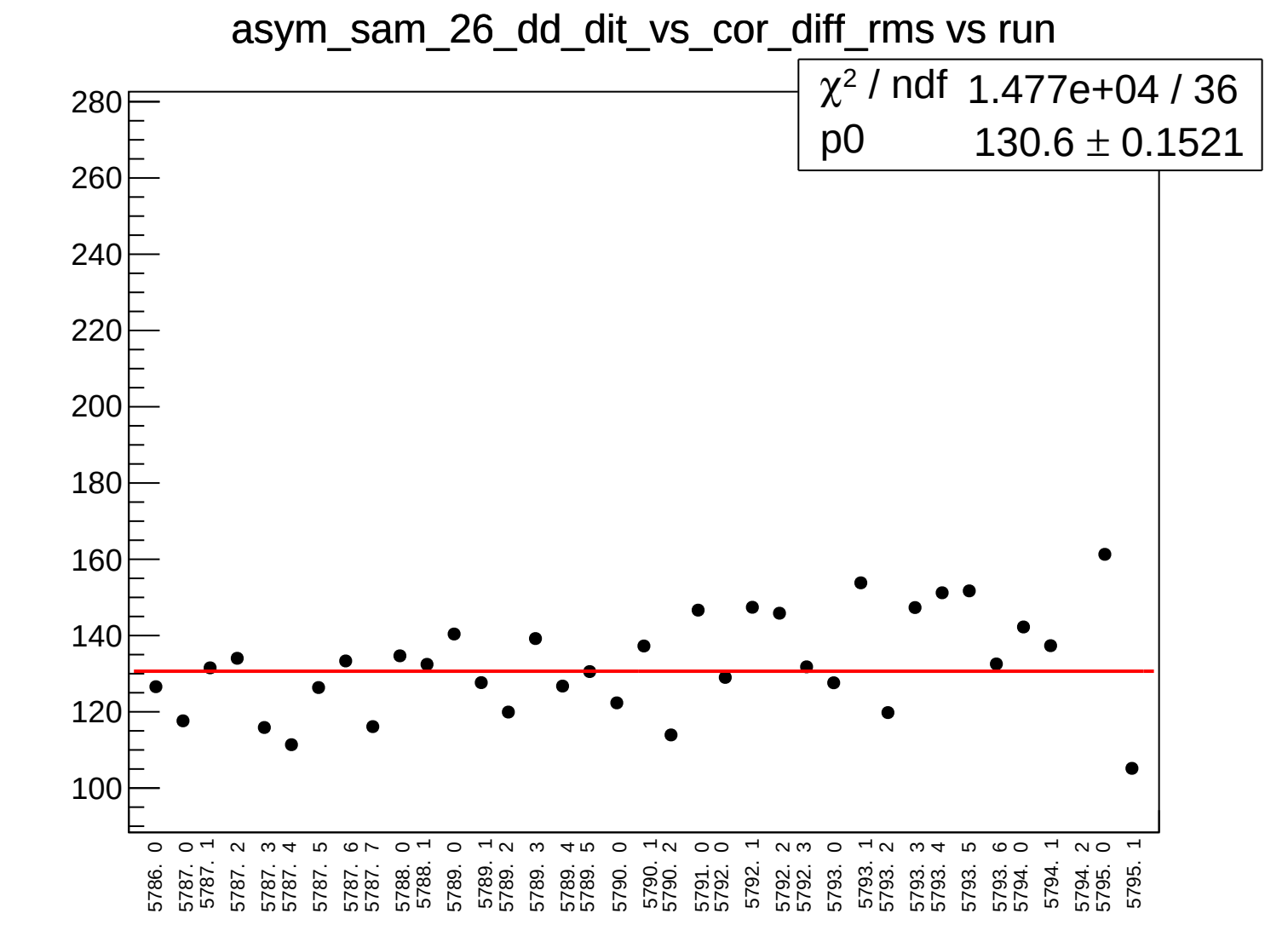

asym_sam_26_dd_rms vs run
χ² / ndf 3354 / 36
p0 3034 ± 3.504
3500
3400
3300
3200
3100
3000
2900
2800
2700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

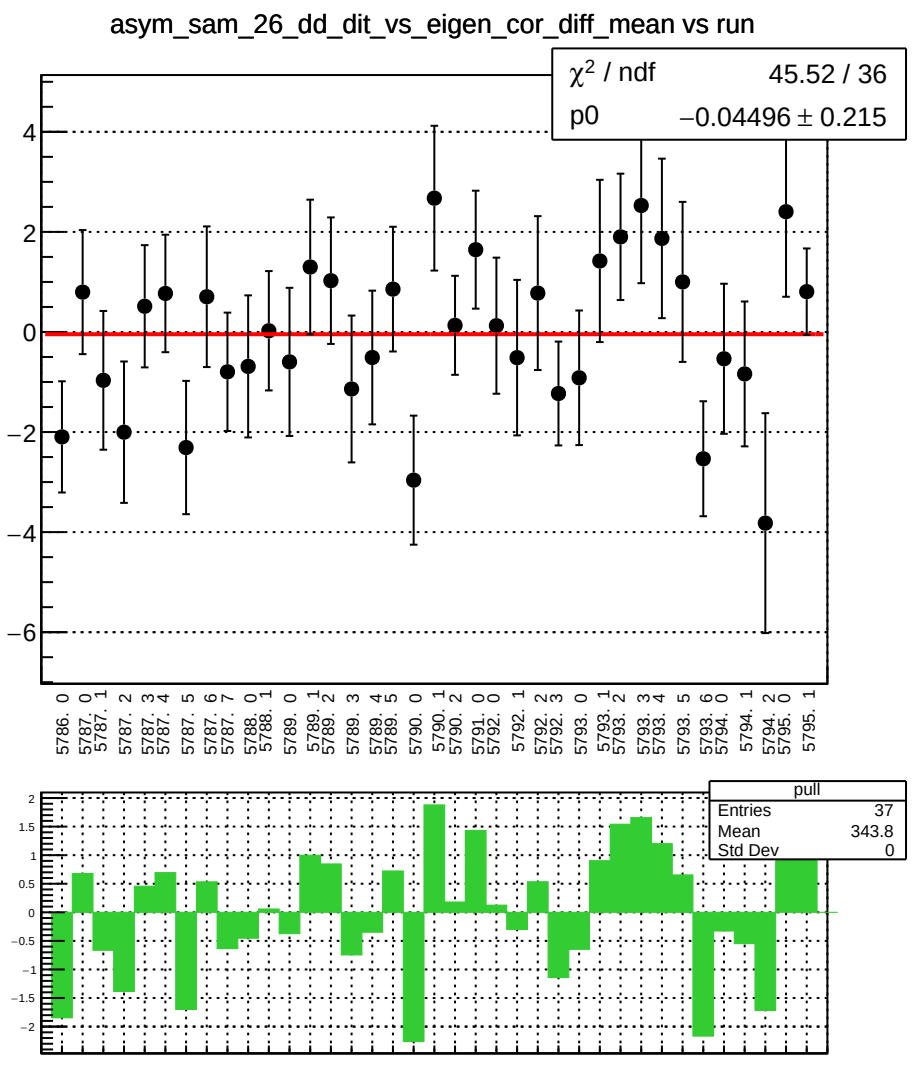

asym_sam_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.57 / 36
p0 1.954e−13 ± 3.377e−13
0.002
0.001
0
−0.001
−0.002
−0.003
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 165.2
Std Dev 0
2
1
0
−1
−2

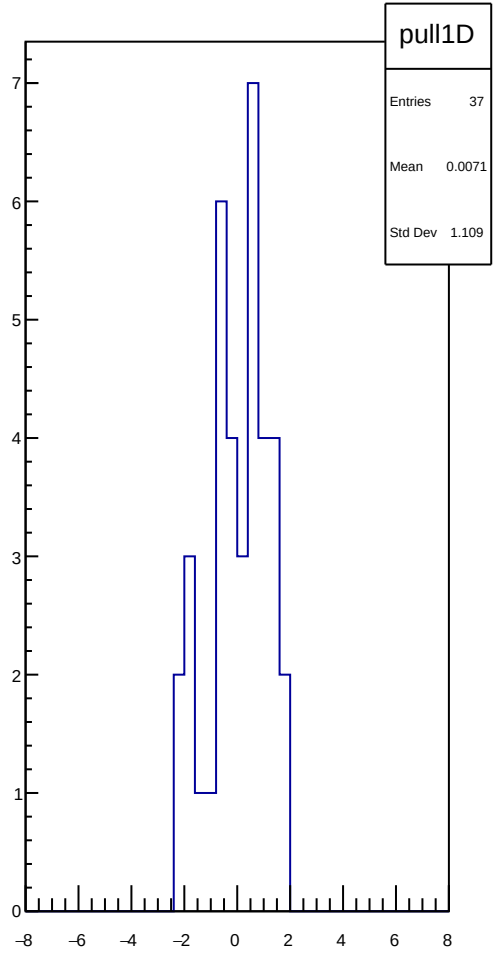

pull1D
Entries 37
Mean −0.002213
Std Dev 1.008
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

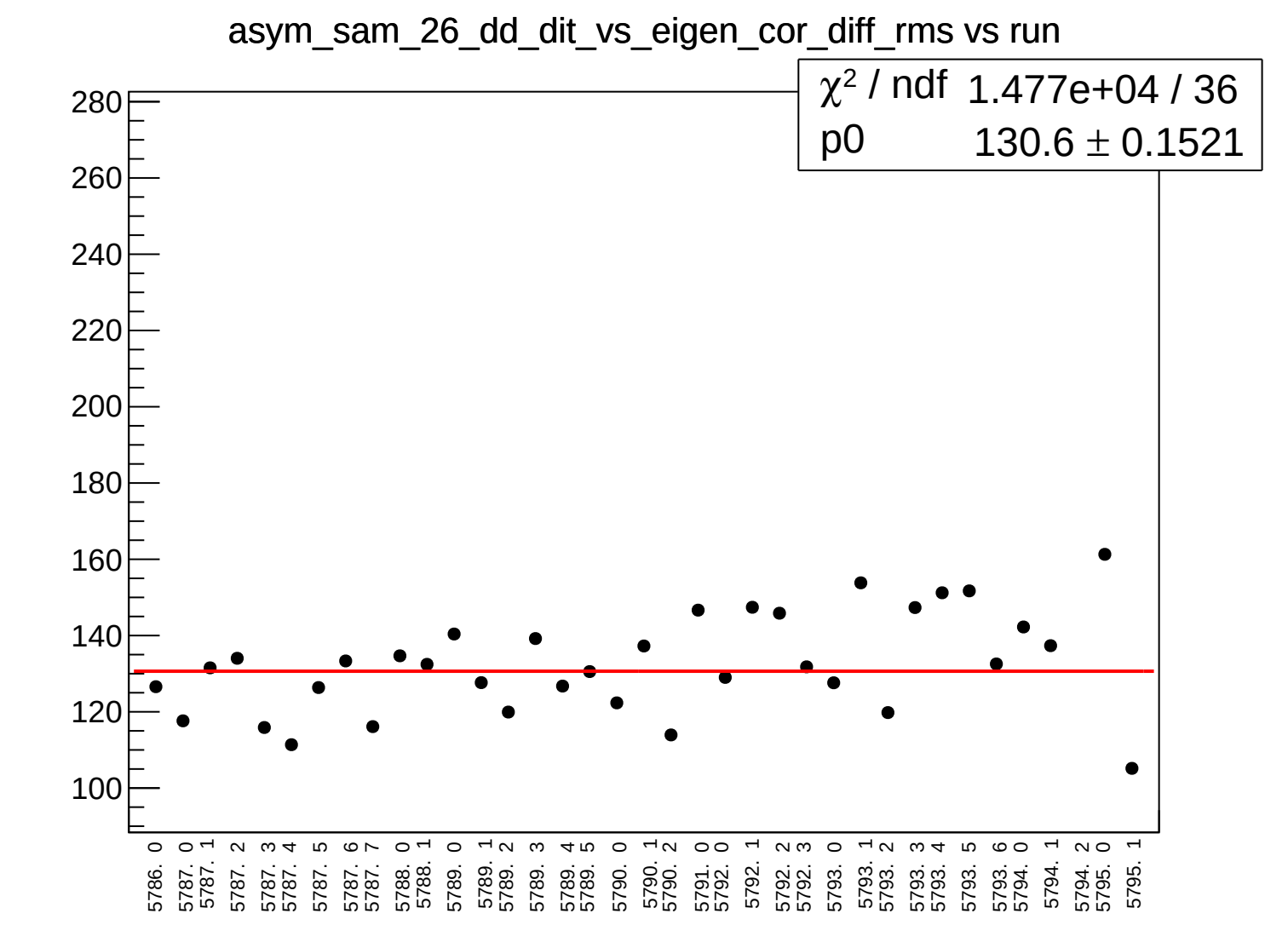

asym_sam_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.155e+05 / 36
p0 1.579e−10 ± 2.388e−13
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

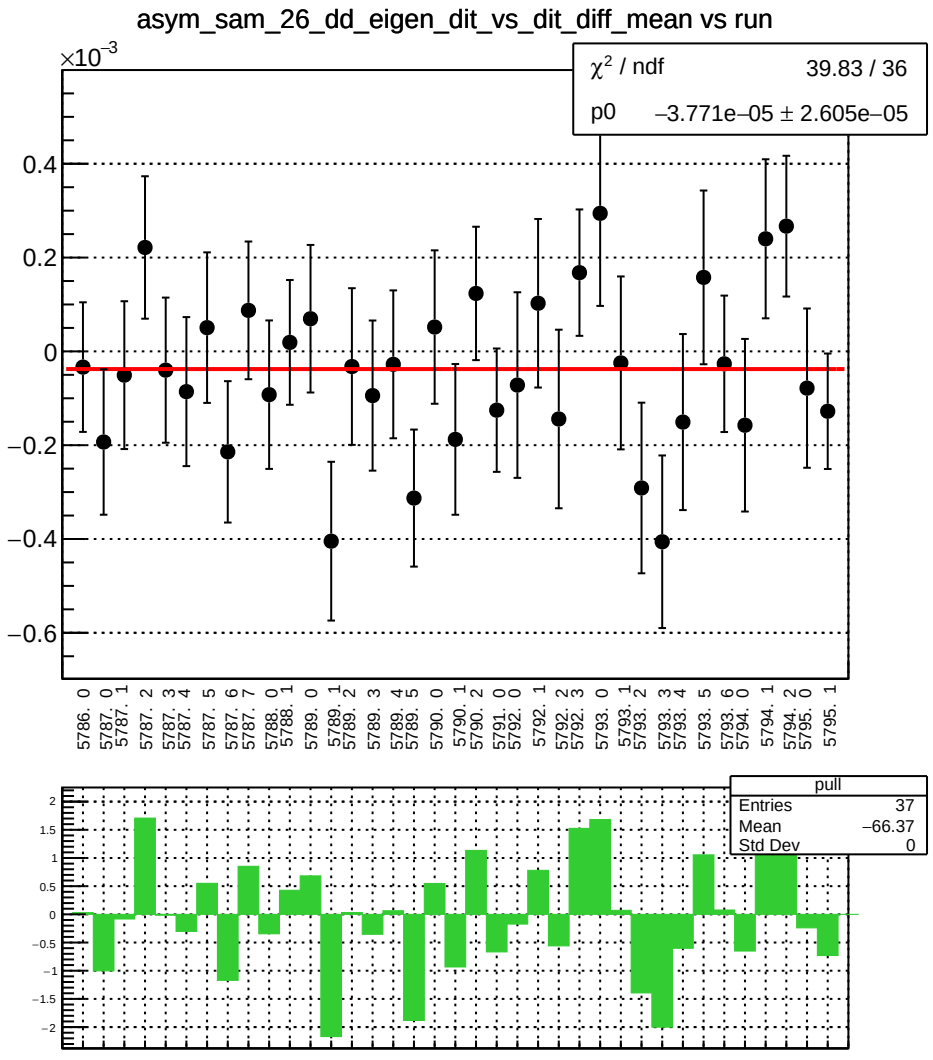

asym_sam_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 45.52 / 36
p0 −0.04496 ± 0.215
pull
Entries 37
Mean 343.8
Std Dev 0
pull1D
Entries 37
Mean 0.0071
Std Dev 1.109

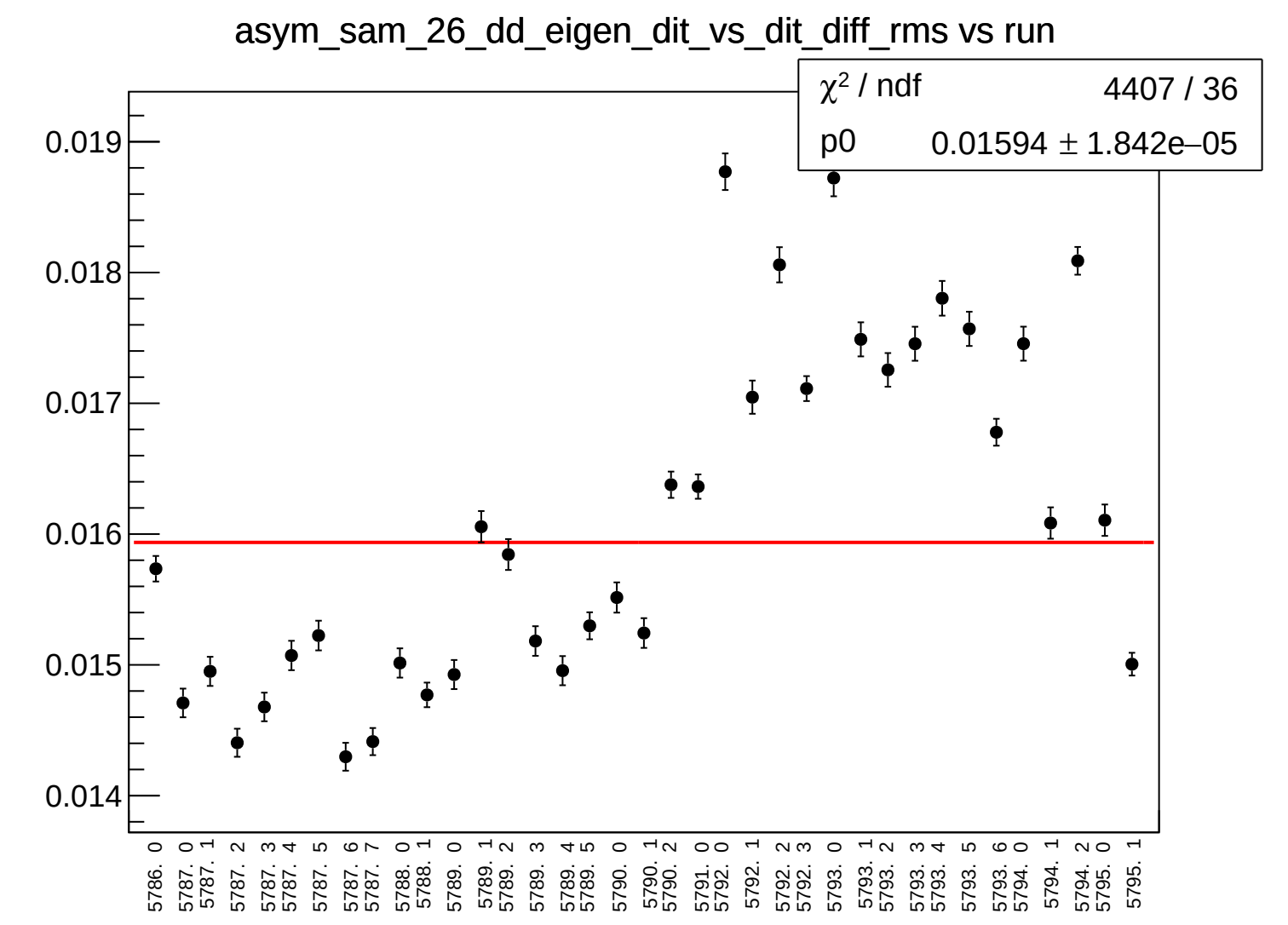

asym_sam_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 36
p0 130.6 ± 0.1521
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.52 / 36
p0 −0.04496 ± 0.215
4
2
0
−2
−4
−6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 343.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.0071
Std Dev 1.109
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 36
p0 130.6 ± 0.1521
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.83 / 36
p0 −3.771e−05 ± 2.605e−05
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −66.37
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01039
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4407 / 36
p0 0.01594 ± 1.842e−05
0.019
0.018
0.017
0.016
0.015
0.014
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
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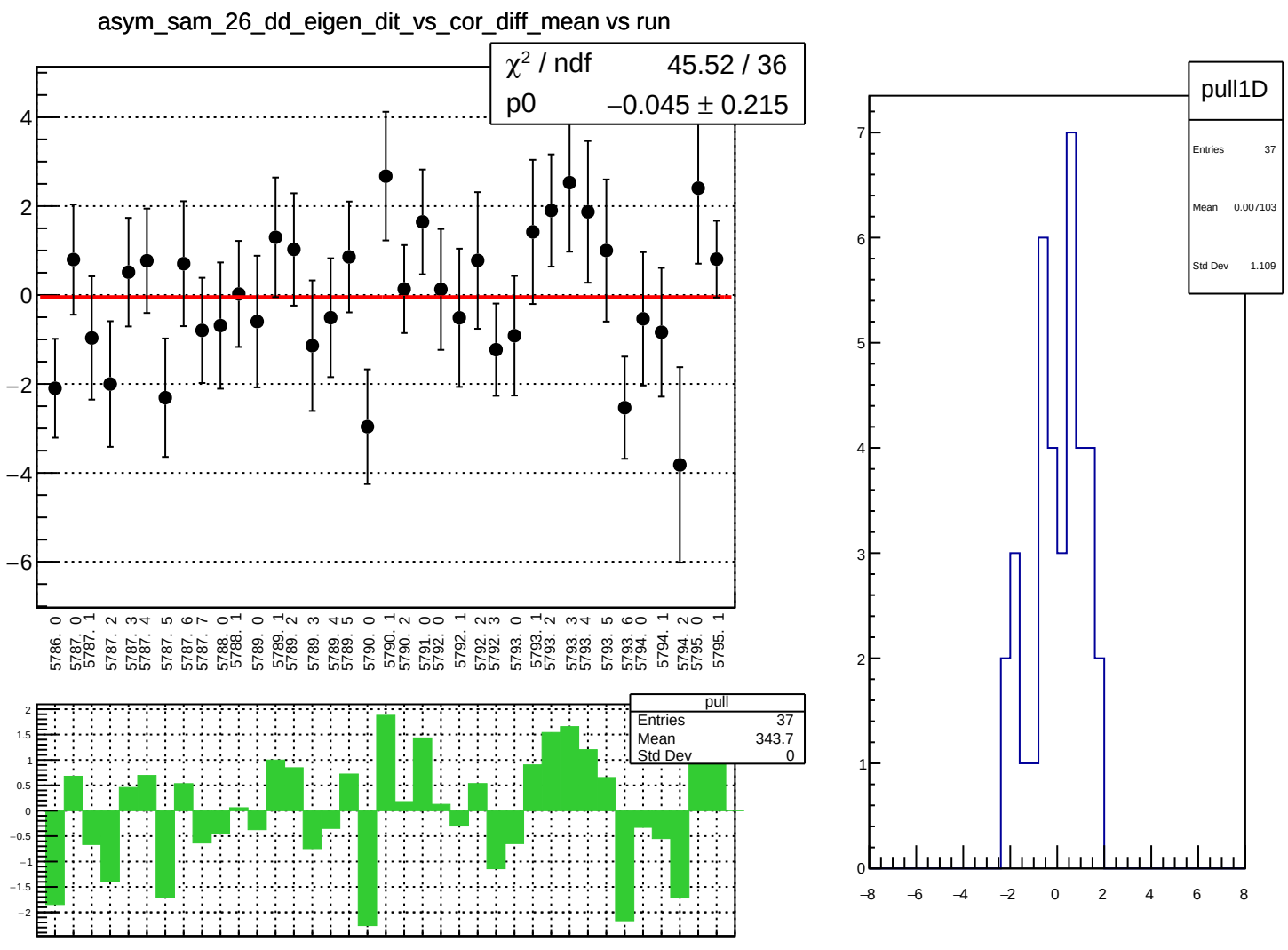
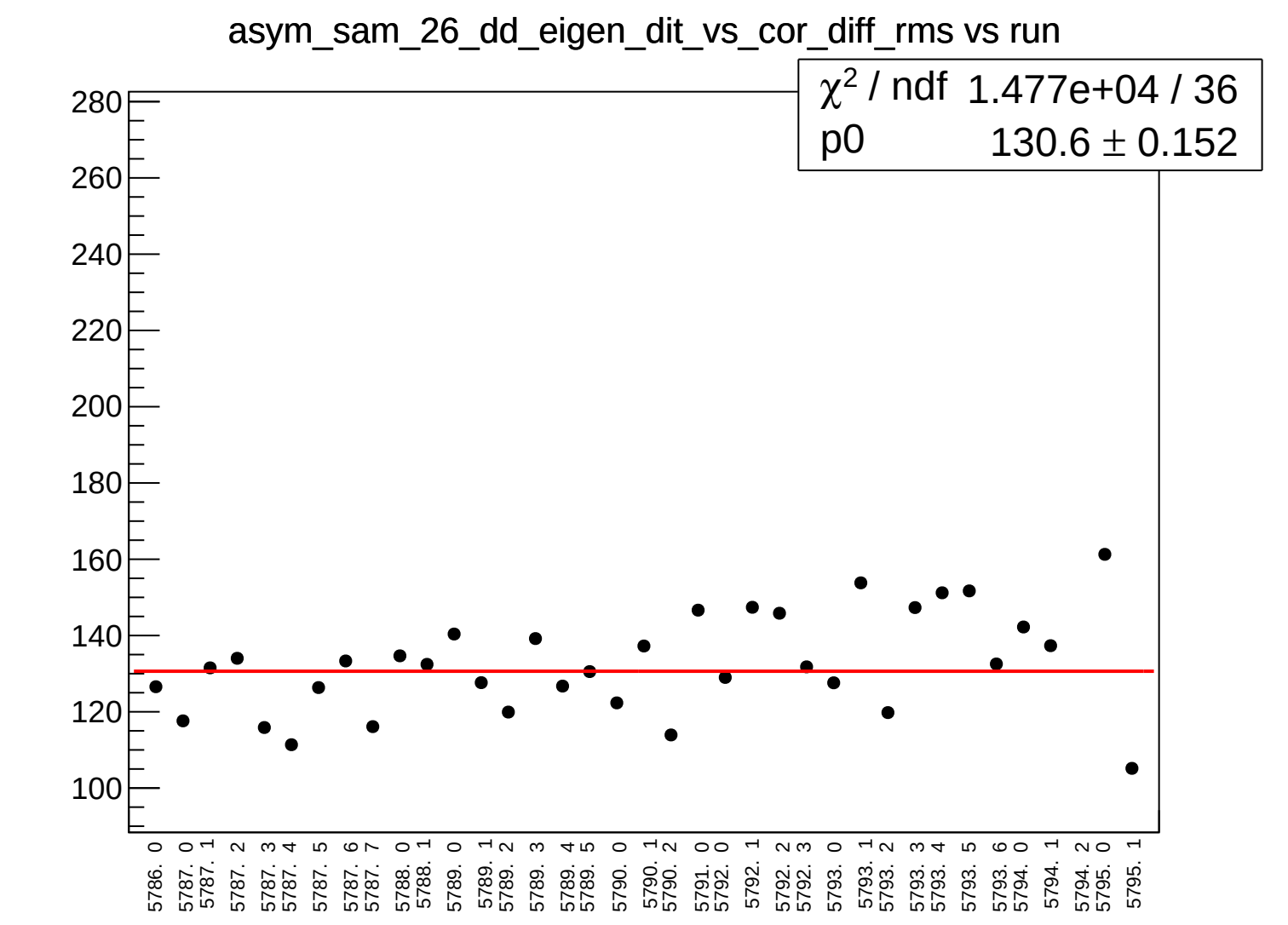
5794. 2
5795. 0
5795. 1


asym_sam_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 45.52 / 36
p0 −0.045 ± 0.215
pull
Entries 37
Mean 343.7
Std Dev 0
pull1D
Entries 37
Mean 0.007103
Std Dev 1.109


asym_sam_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 36
p0 130.6 ± 0.152
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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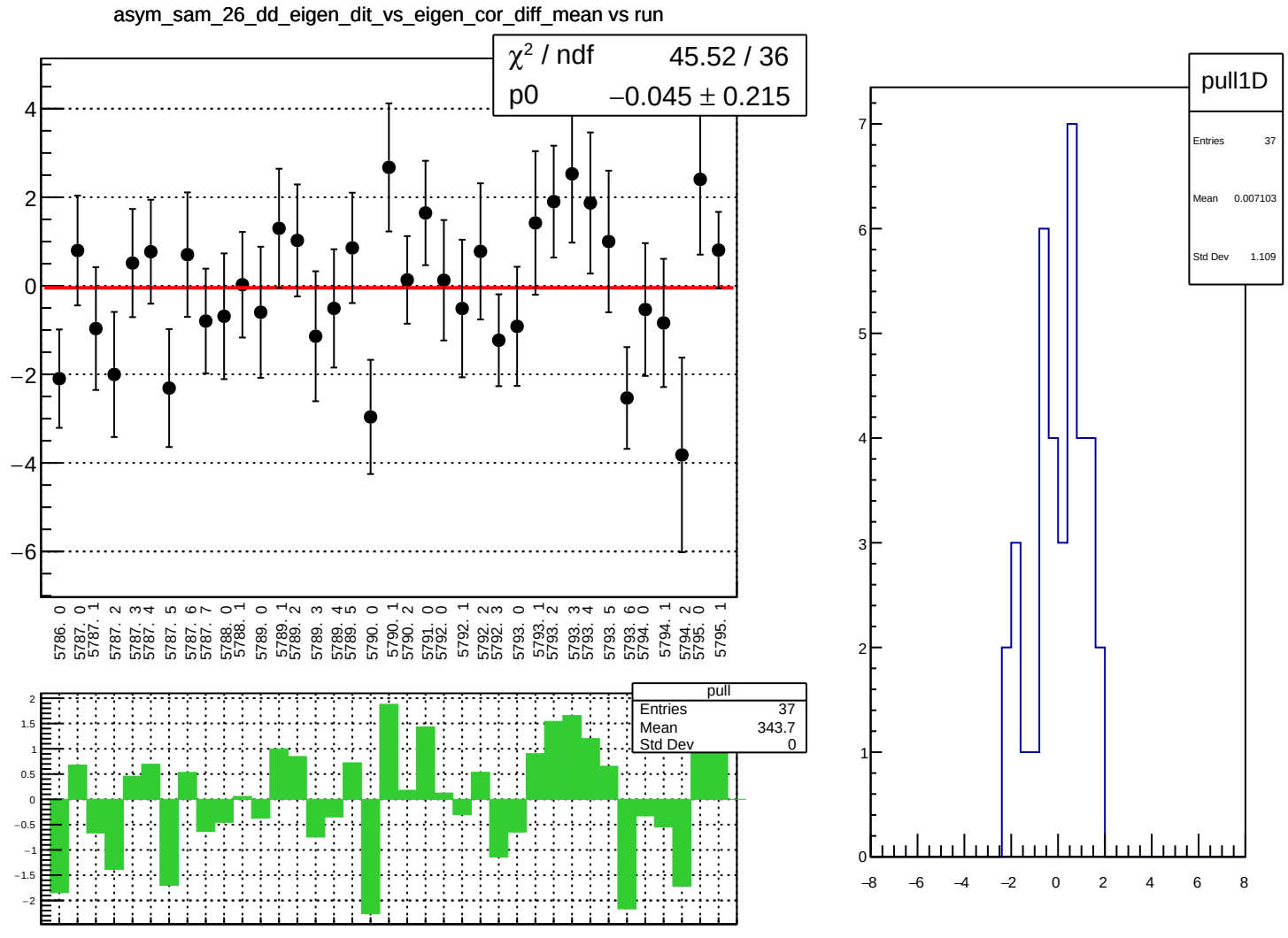
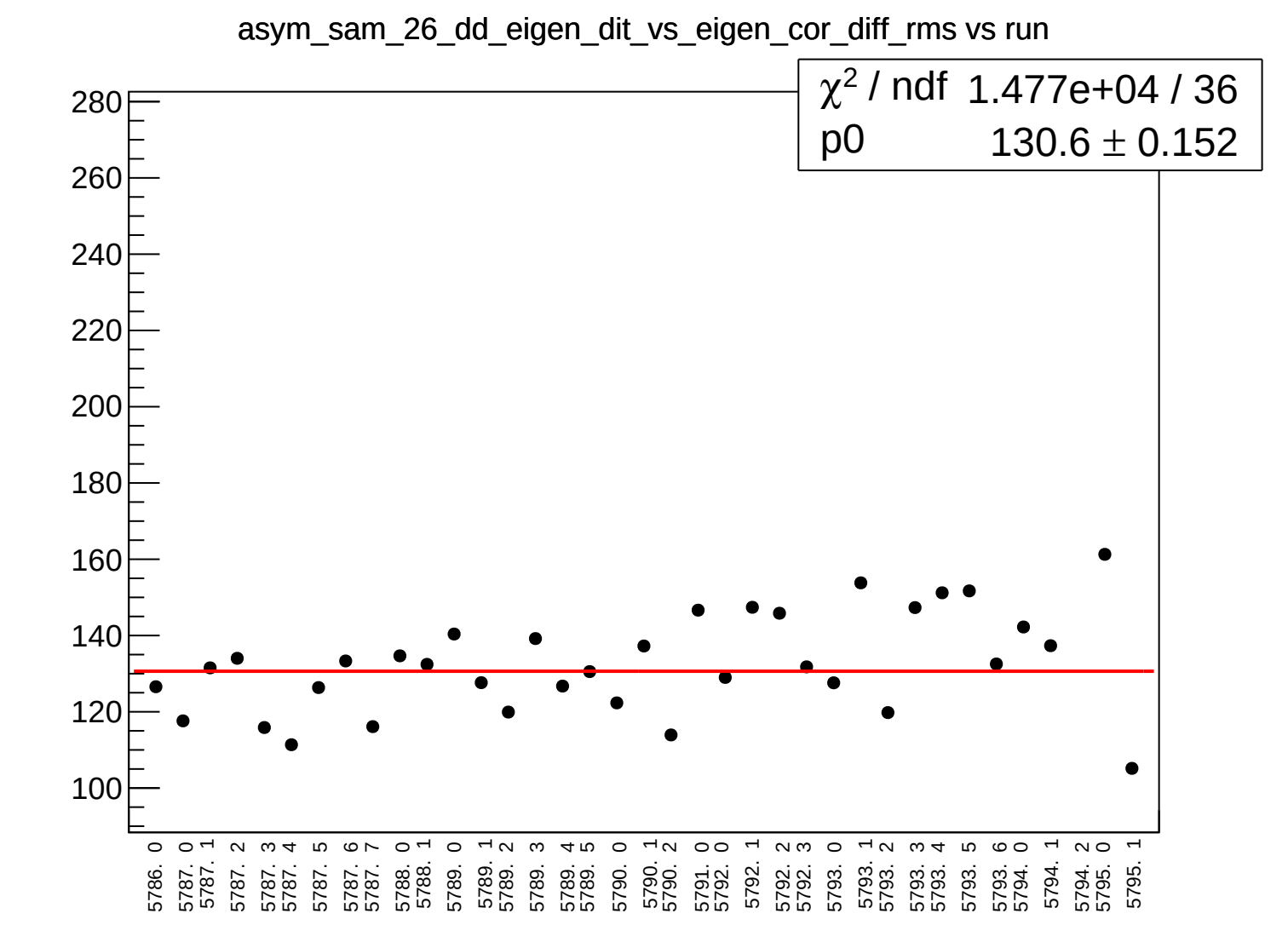

asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 45.52 / 36
p0 −0.045 ± 0.215
pull
Entries 37
Mean 343.7
Std Dev 0
pull1D
Entries 37
Mean 0.007103
Std Dev 1.109


asym_sam_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.477e+04 / 36
p0 130.6 ± 0.152
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
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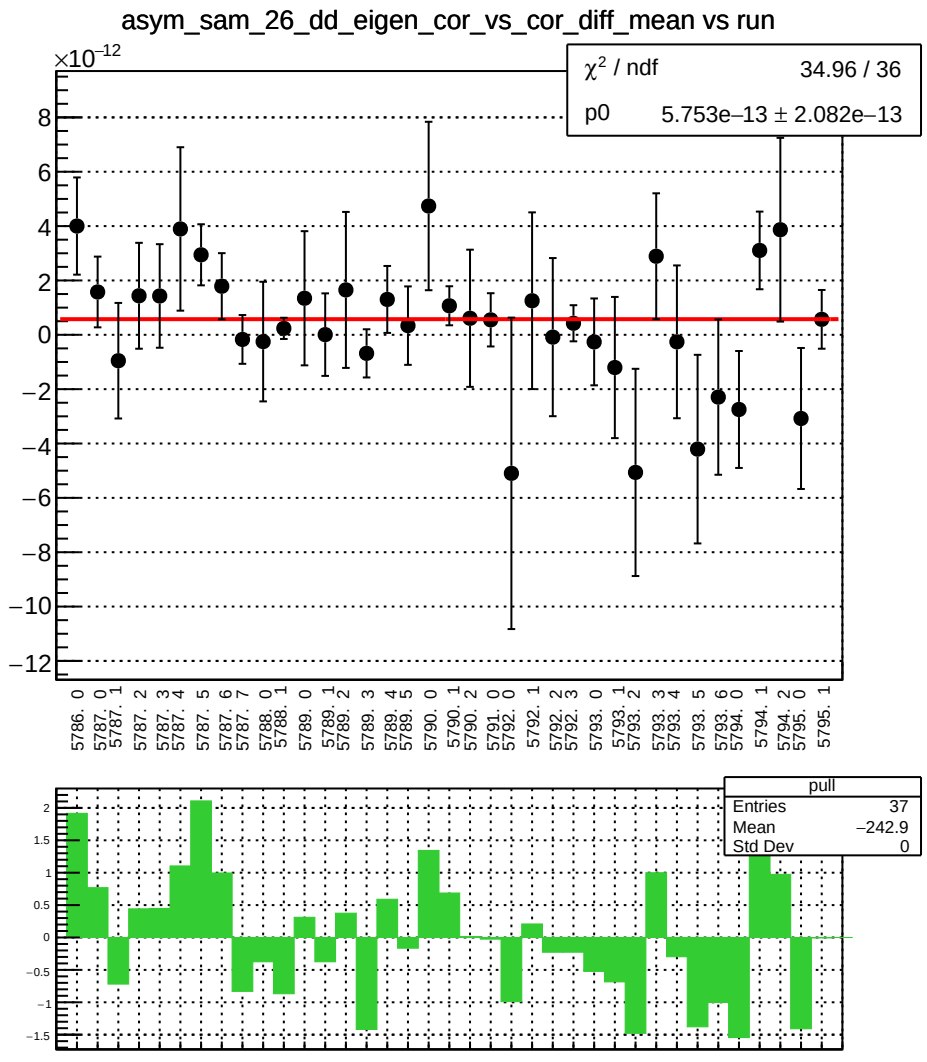
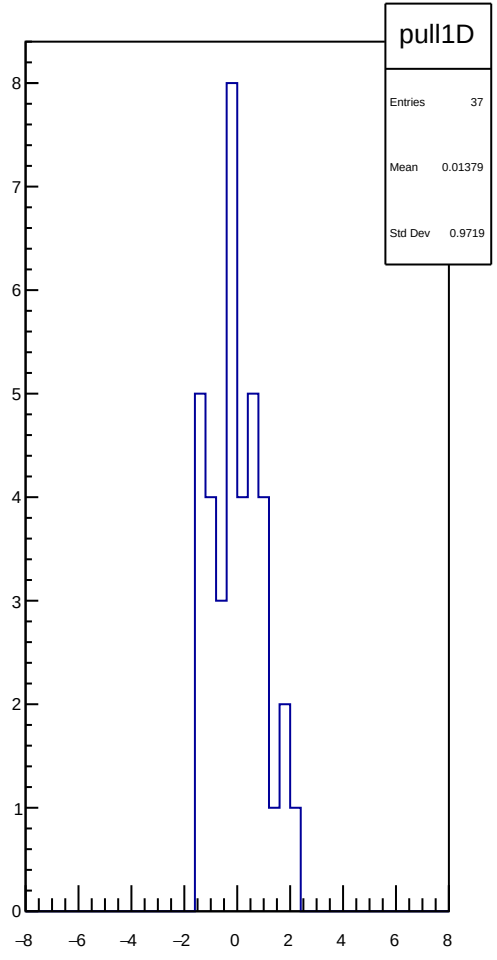
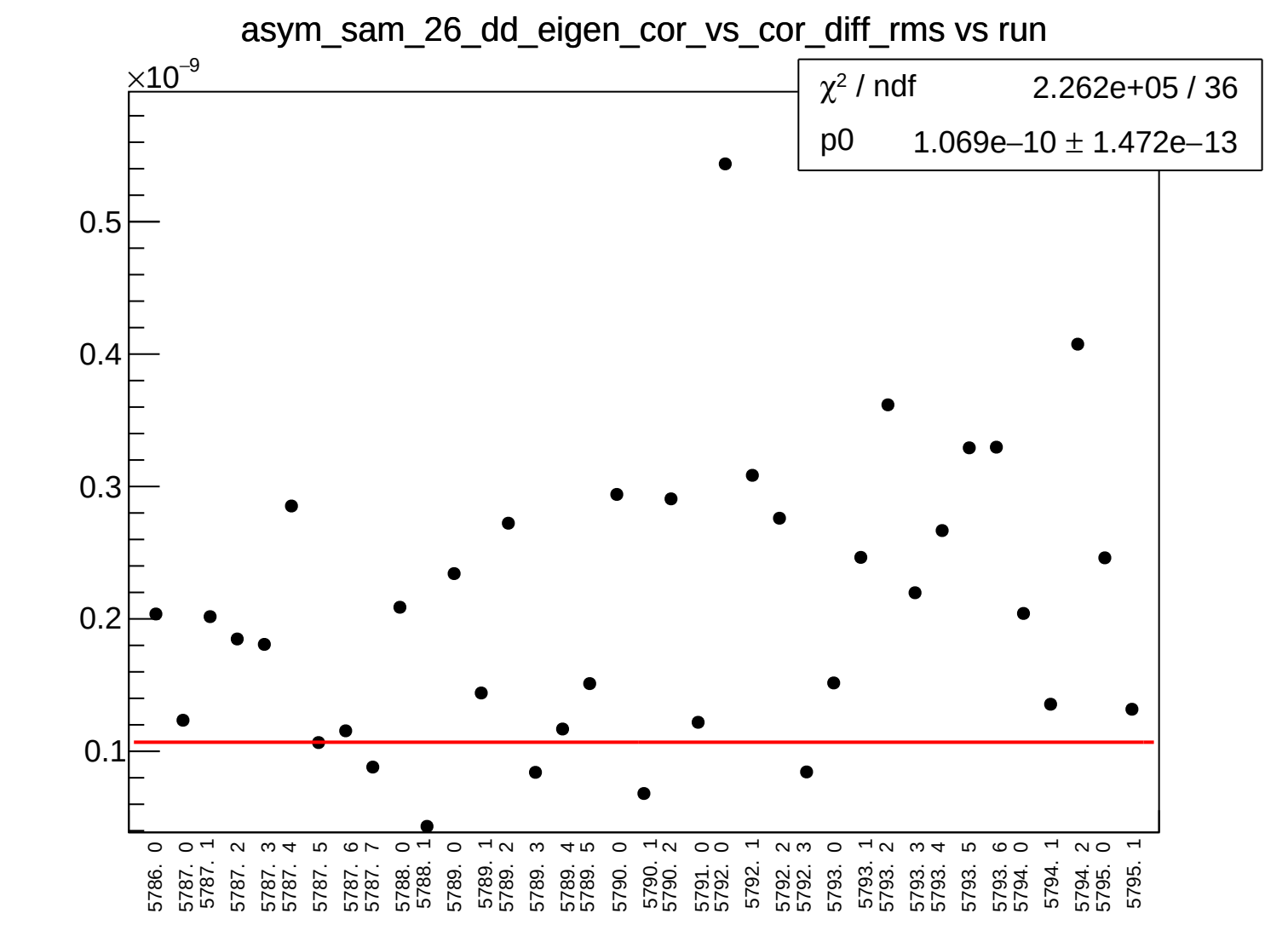
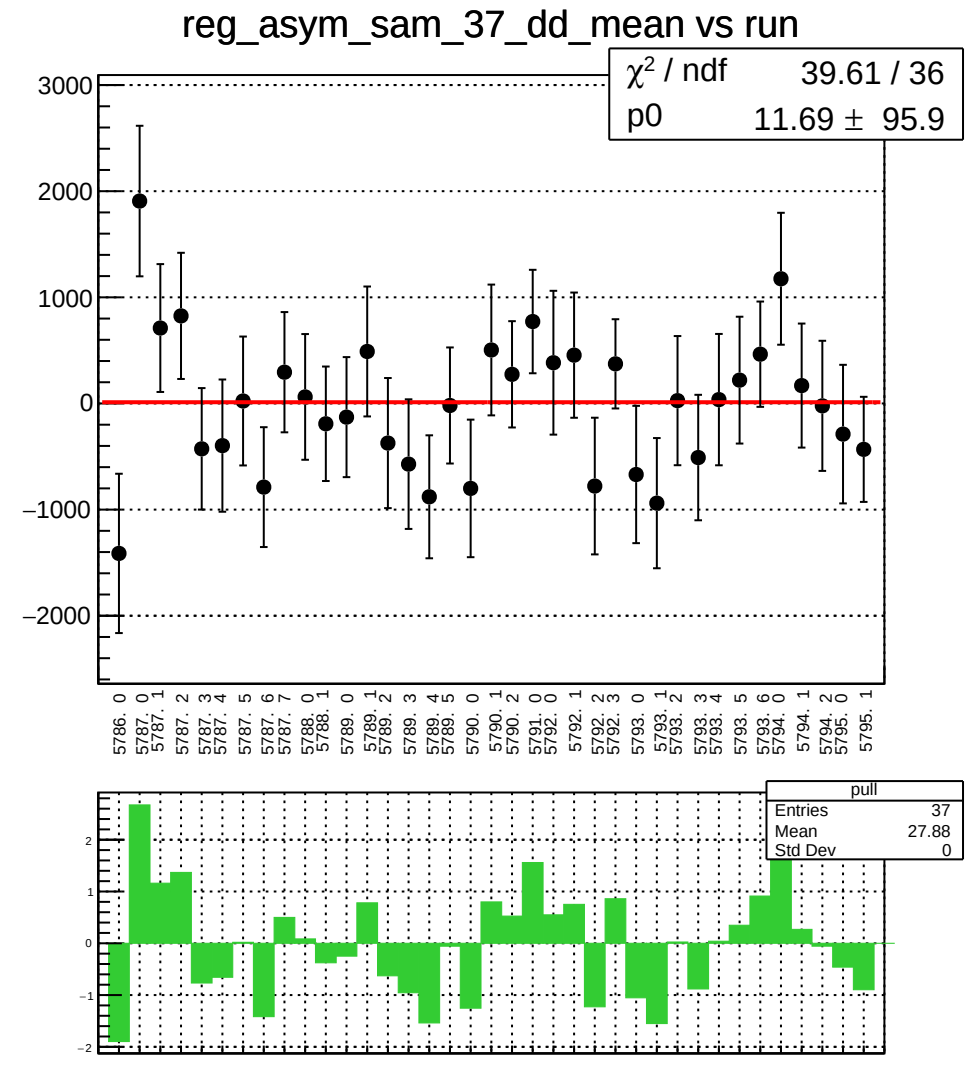
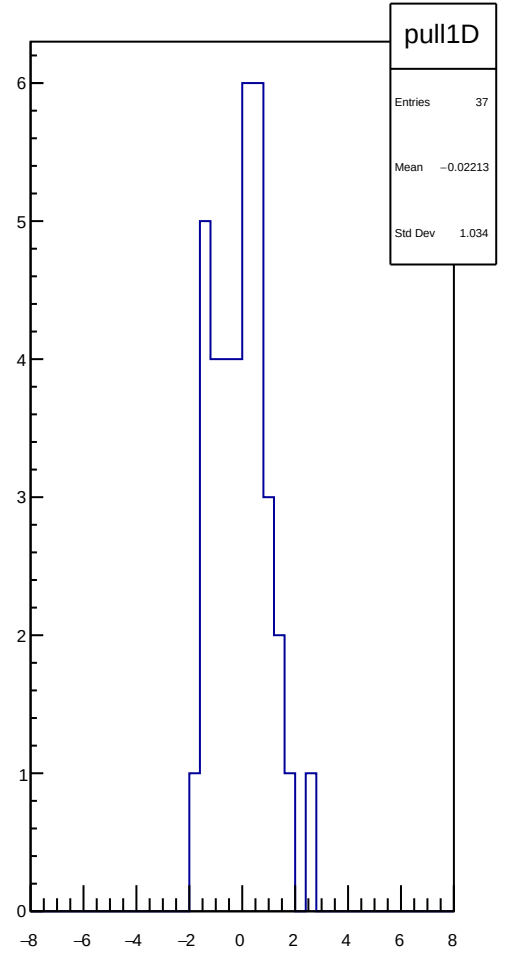
5795. 1

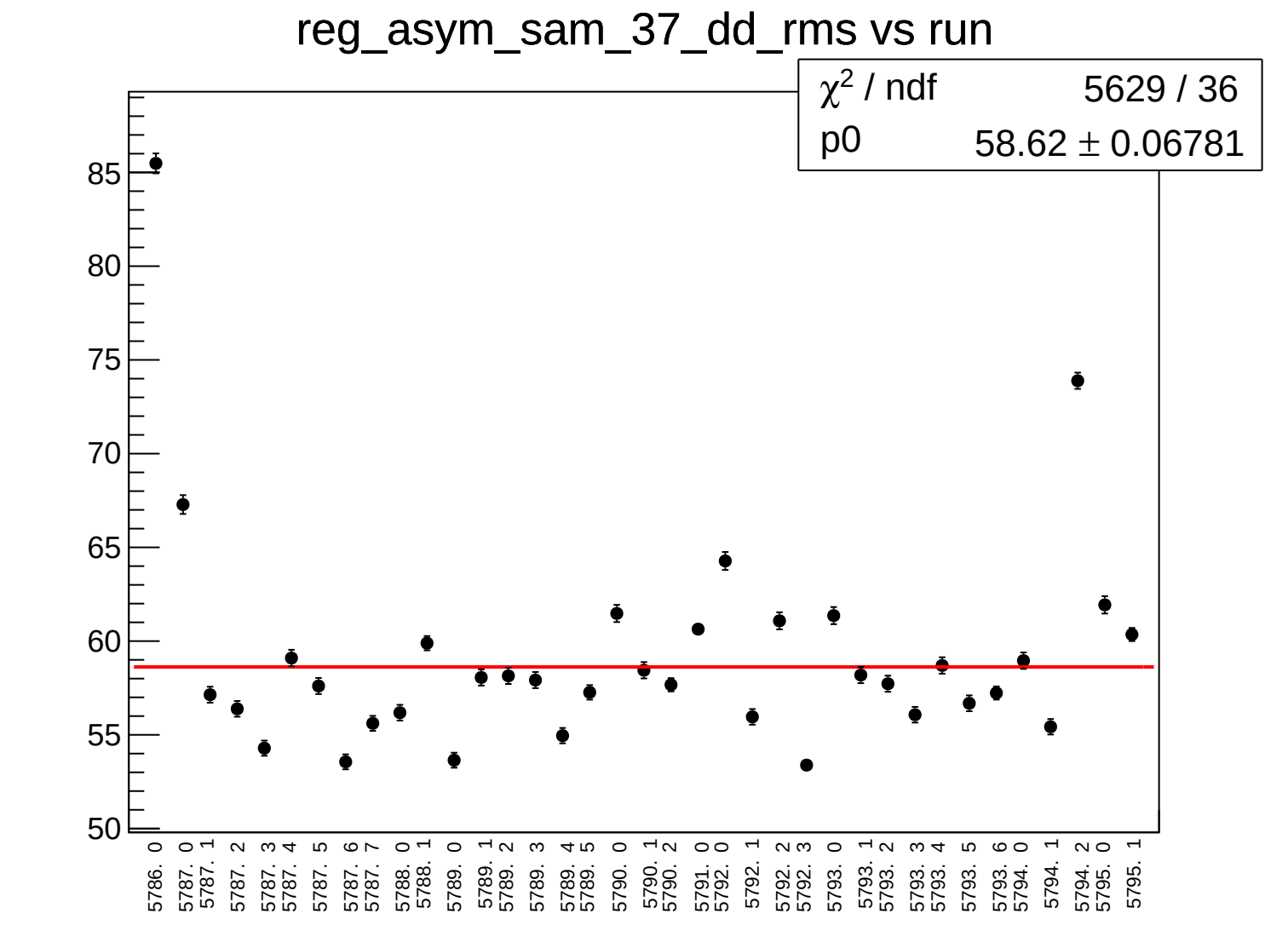

asym_sam_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 34.96 / 36
p0 5.753e−13 ± 2.082e−13
pull
Entries 37
Mean −242.9
Std Dev 0


pull1D
Entries 37
Mean 0.01379
Std Dev 0.9719


asym_sam_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.262e+05 / 36
p0 1.069e−10 ± 1.472e−13
0.5
0.4
0.3
0.2
0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_sam_37_dd_mean vs run
χ² / ndf 39.61 / 36
p0 11.69 ± 95.9
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.88
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02213
Std Dev 1.034
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 5629 / 36
p0 58.62 ± 0.06781
85
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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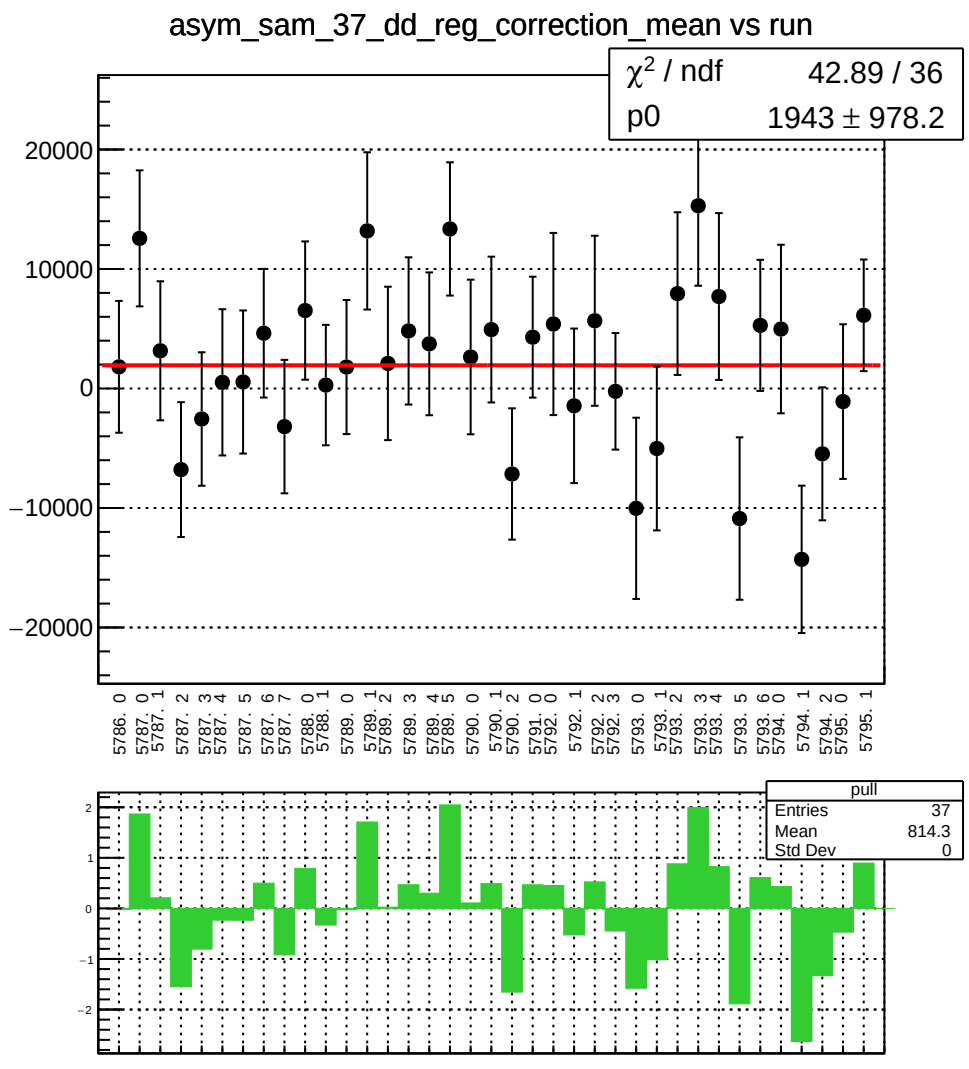
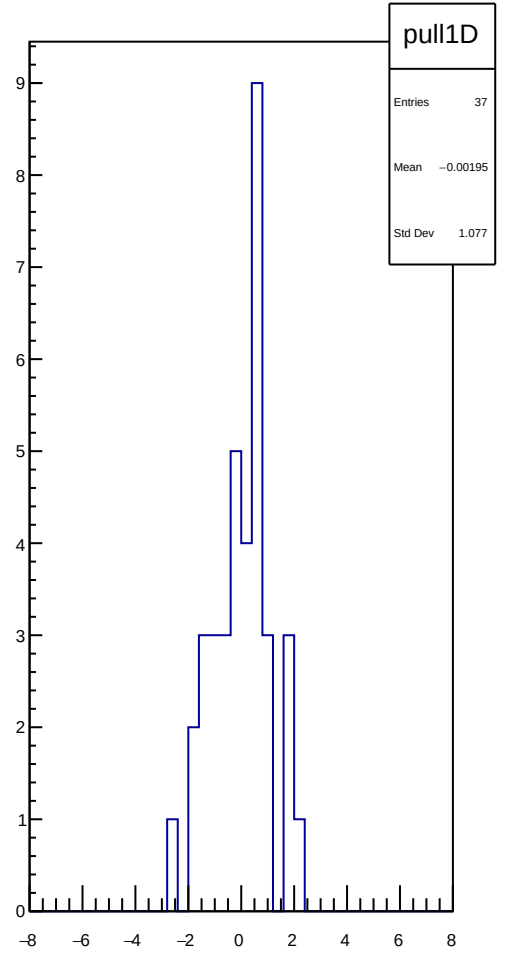
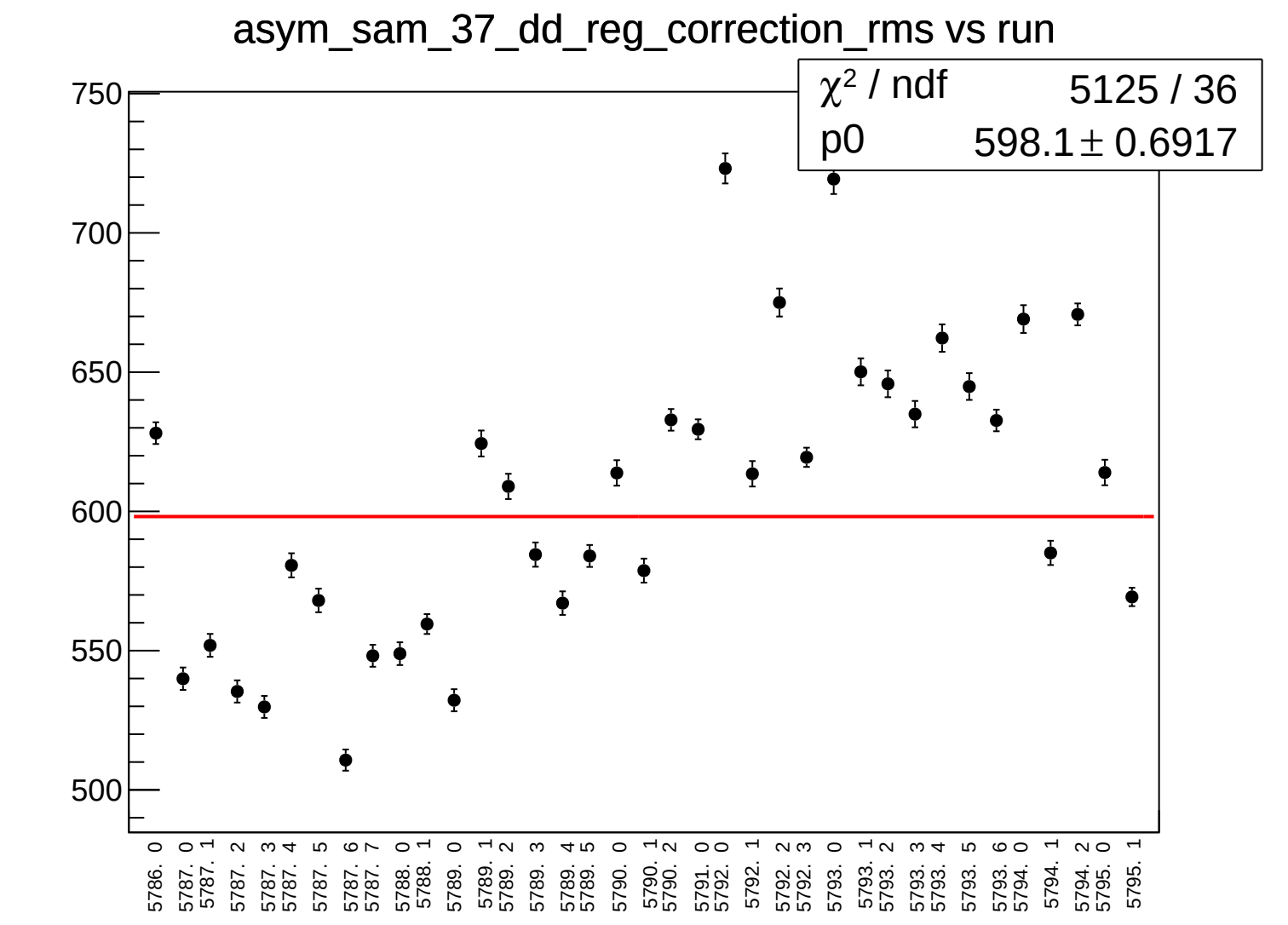
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_dd_reg_correction_mean vs run
χ² / ndf 42.89 / 36
p0 1943 ± 978.2
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 814.3
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.00195
Std Dev 1.077
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 5125 / 36
p0 598.1 ± 0.6917
750
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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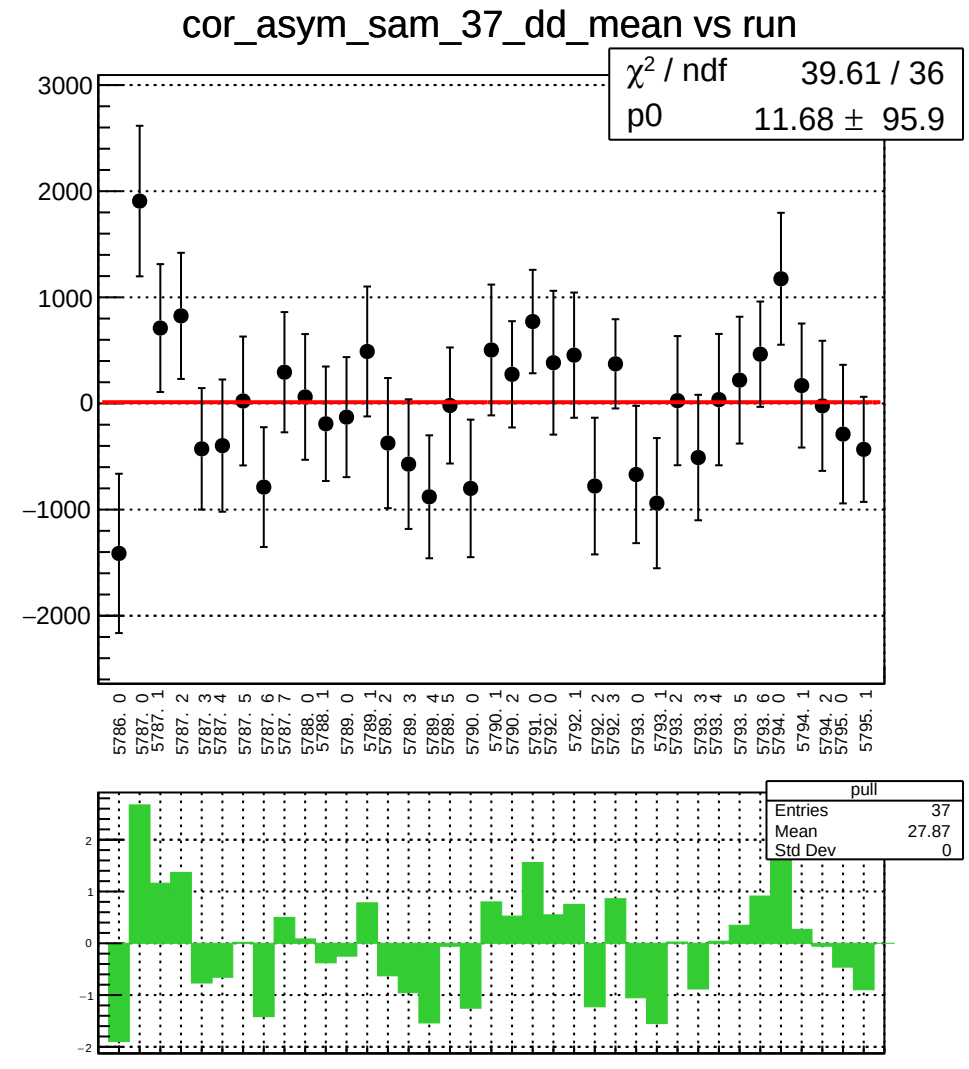
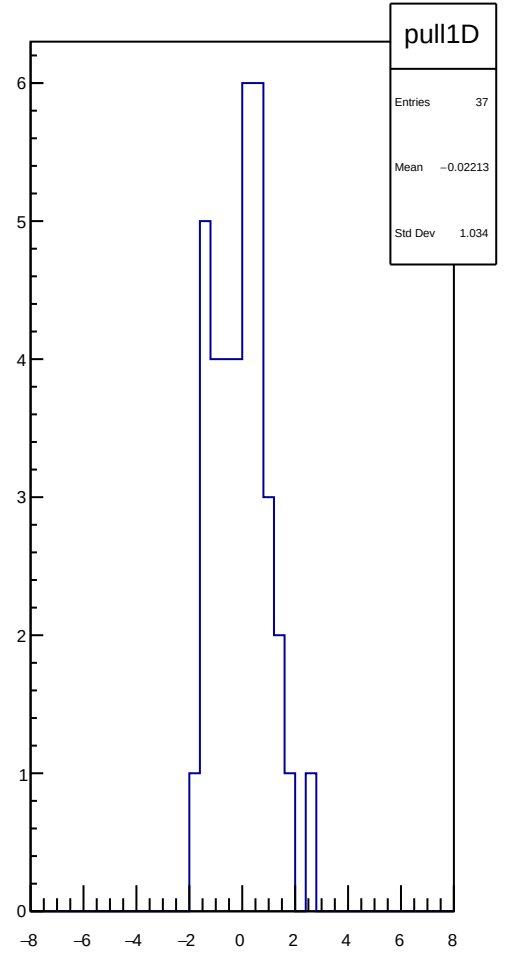
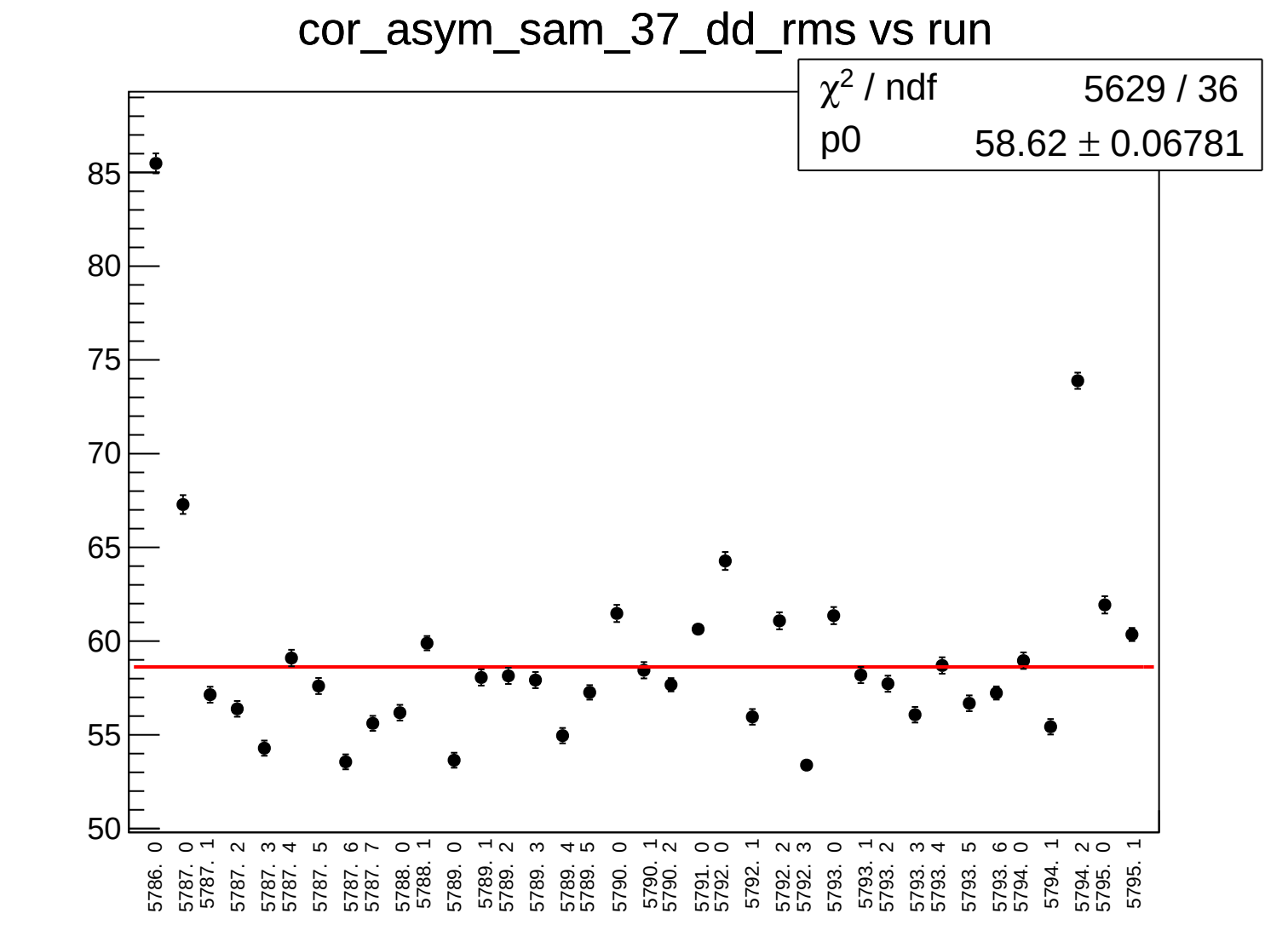
5794. 2
5795. 0
5795. 1


cor_asym_sam_37_dd_mean vs run
χ² / ndf 39.61 / 36
p0 11.68 ± 95.9
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.87
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.02213
Std Dev 1.034
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_dd_rms vs run
χ^2 / ndf 5629 / 36
p0 58.62 ± 0.06781
85
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5792. 2
5792. 3
5793. 0
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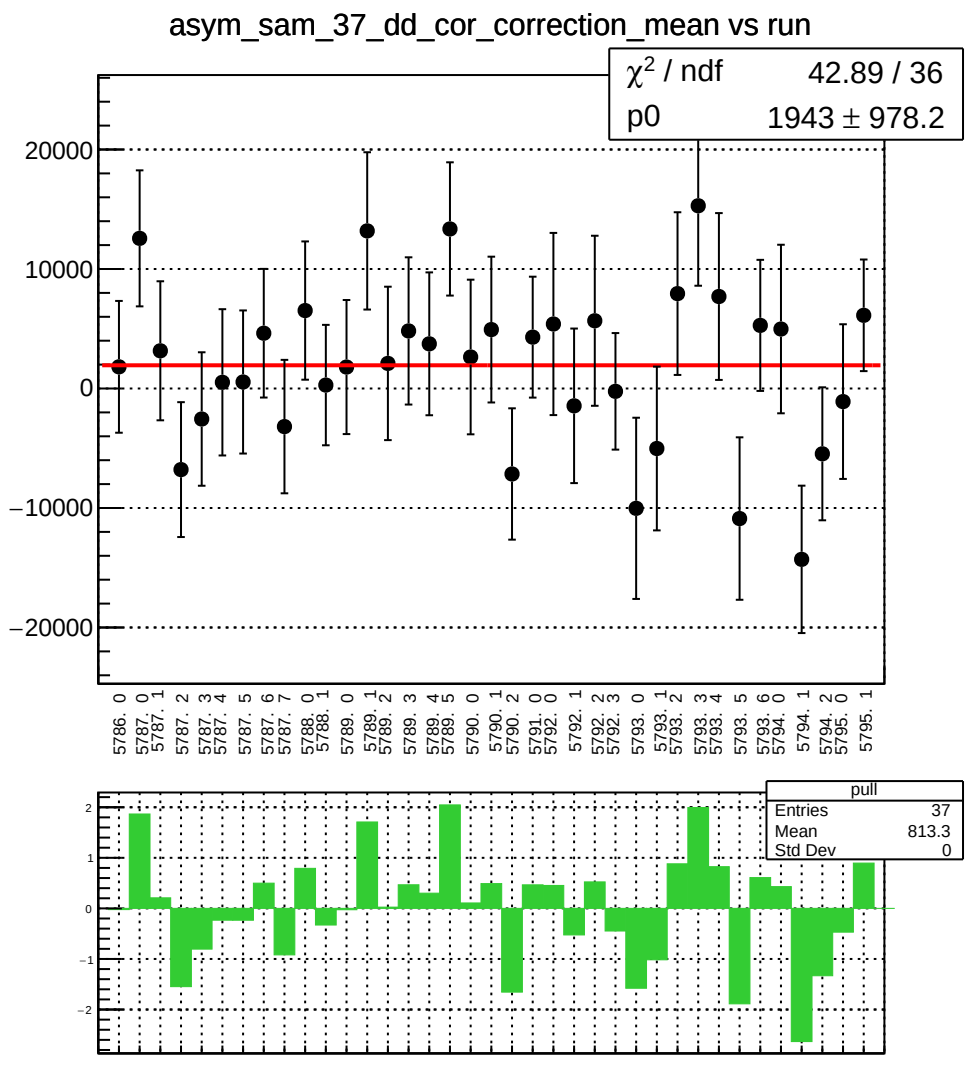
5795. 1


asym_sam_37_dd_cor_correction_mean vs run
χ² / ndf 42.89 / 36
p0 1943 ± 978.2
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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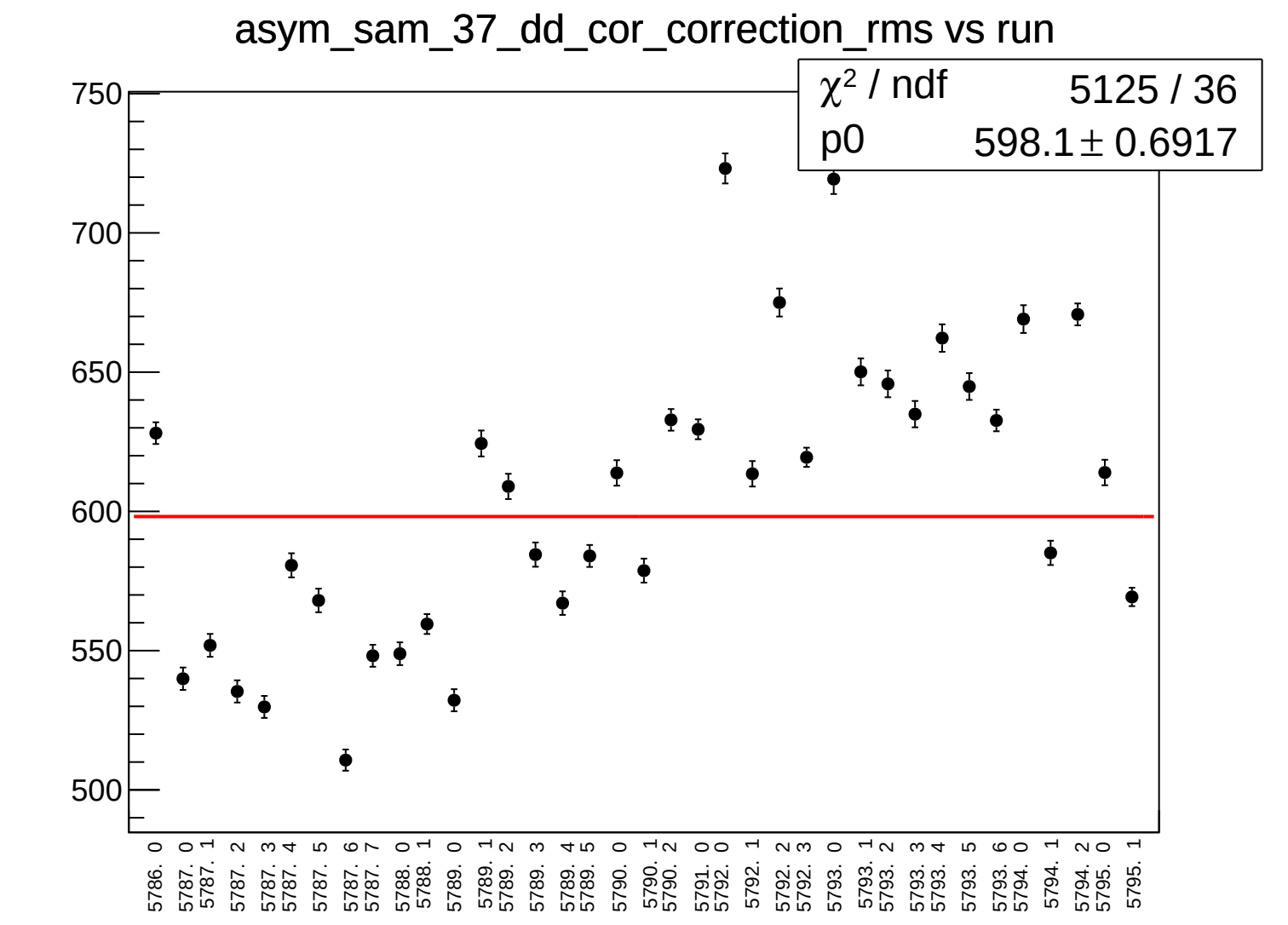
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 813.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.001953
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_dd_cor_correction_rms vs run
χ² / ndf 5125 / 36
p0 598.1 ± 0.6917
750
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 2
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5790. 1
5790. 2
5791. 0
5792. 0
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5792. 2
5792. 3
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5793. 1
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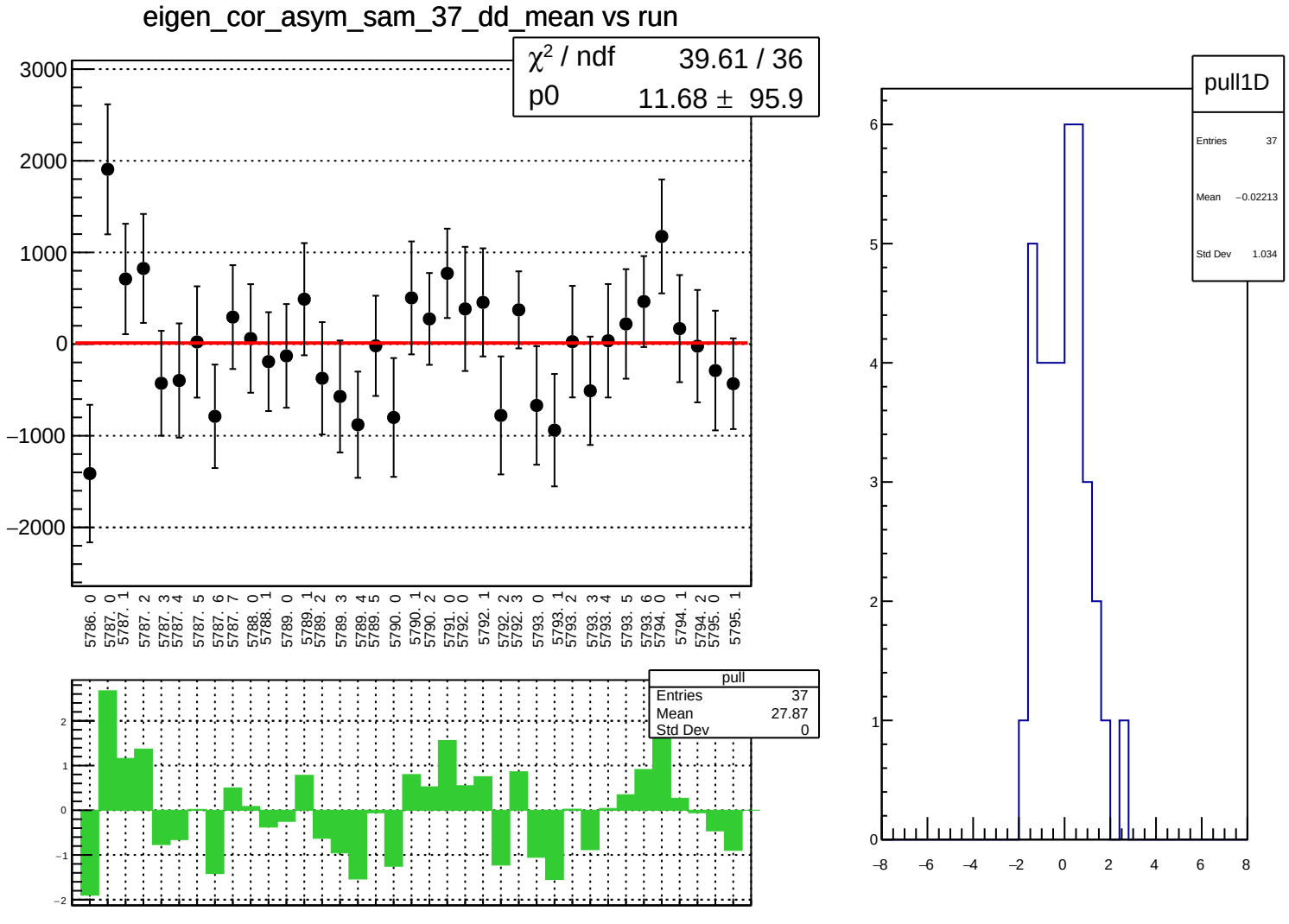
5795. 1


eigen_cor_asym_sam_37_dd_mean vs run
χ² / ndf 39.61 / 36
p0 11.68 ± 95.9
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 27.87
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02213
Std Dev 1.034
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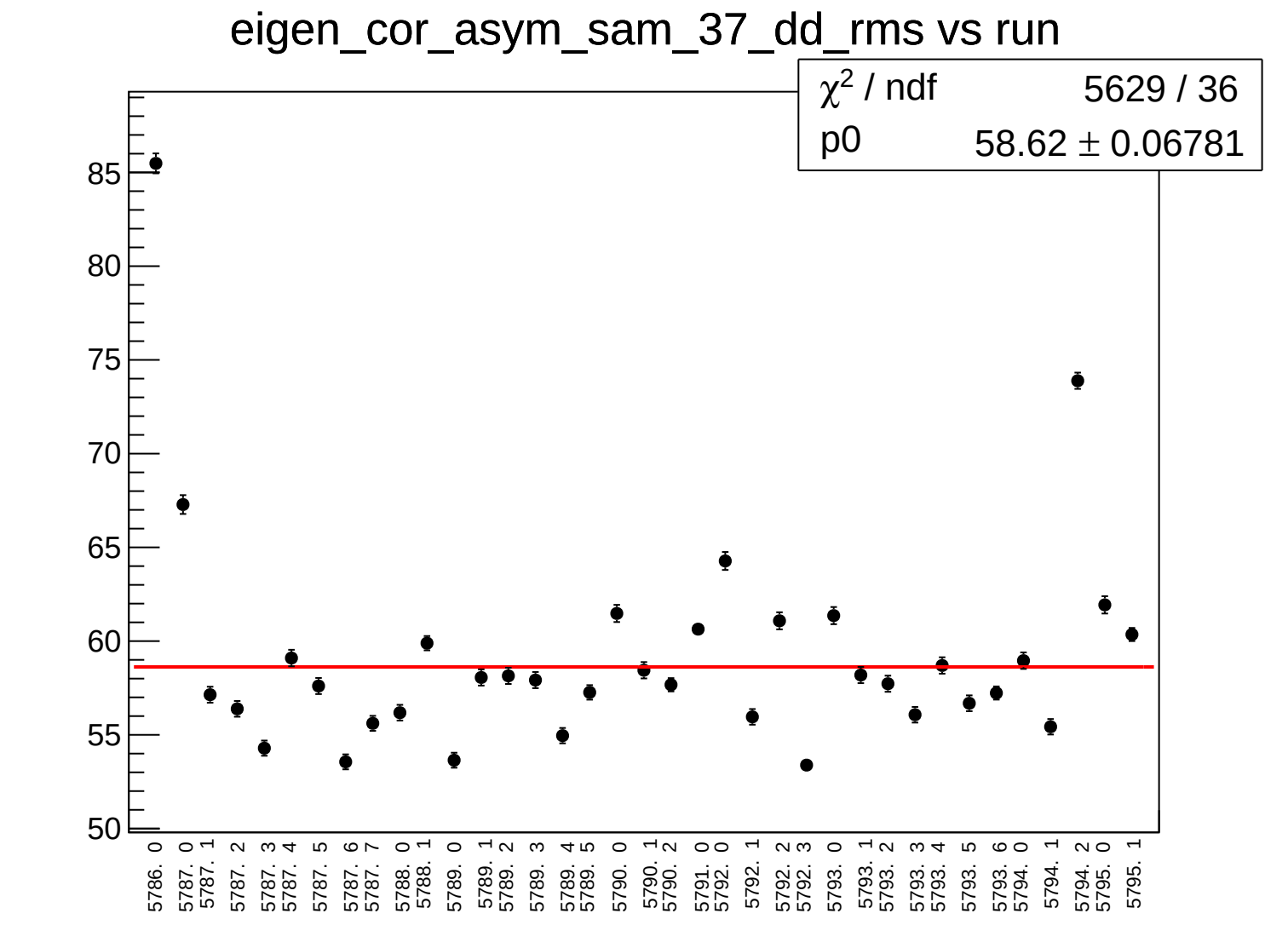
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_37_dd_rms vs run
χ² / ndf 5629 / 36
p0 58.62 ± 0.06781
85
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 4
5789. 5
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5790. 1
5790. 2
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5792. 0
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5792. 2
5792. 3
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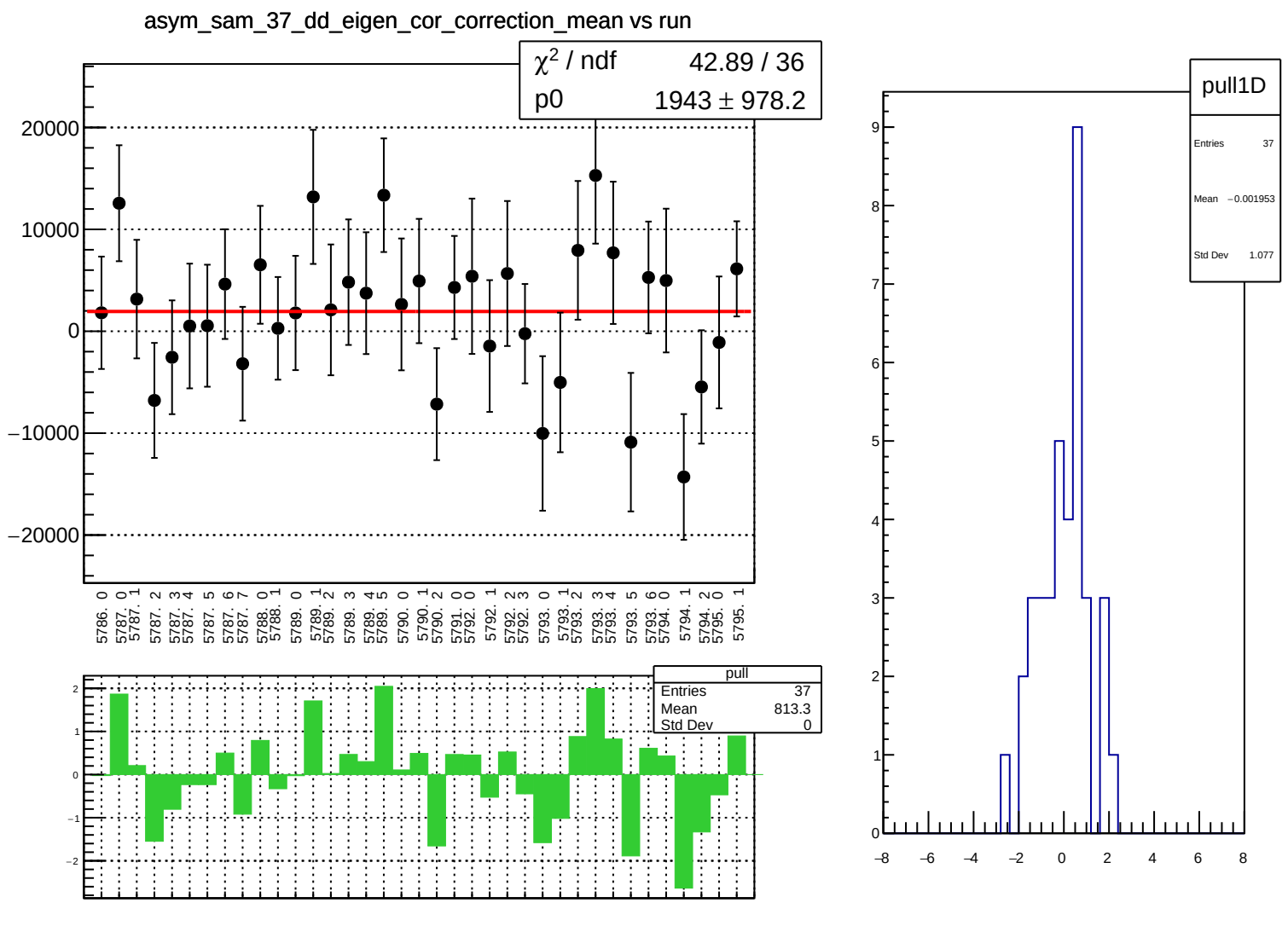
asym_sam_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.89 / 36
p0 1943 ± 978.2
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
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5787. 6
5787. 7
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5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
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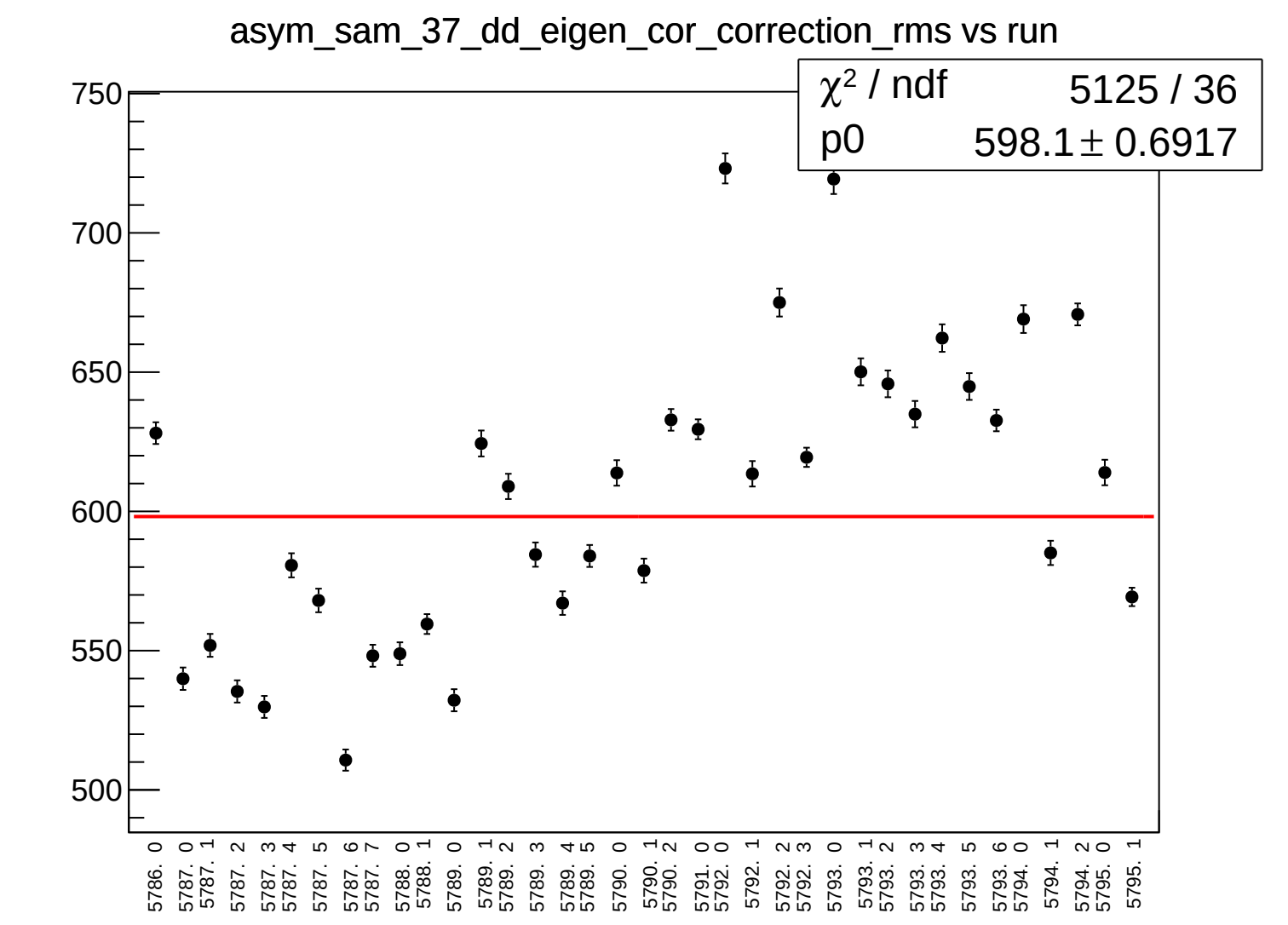
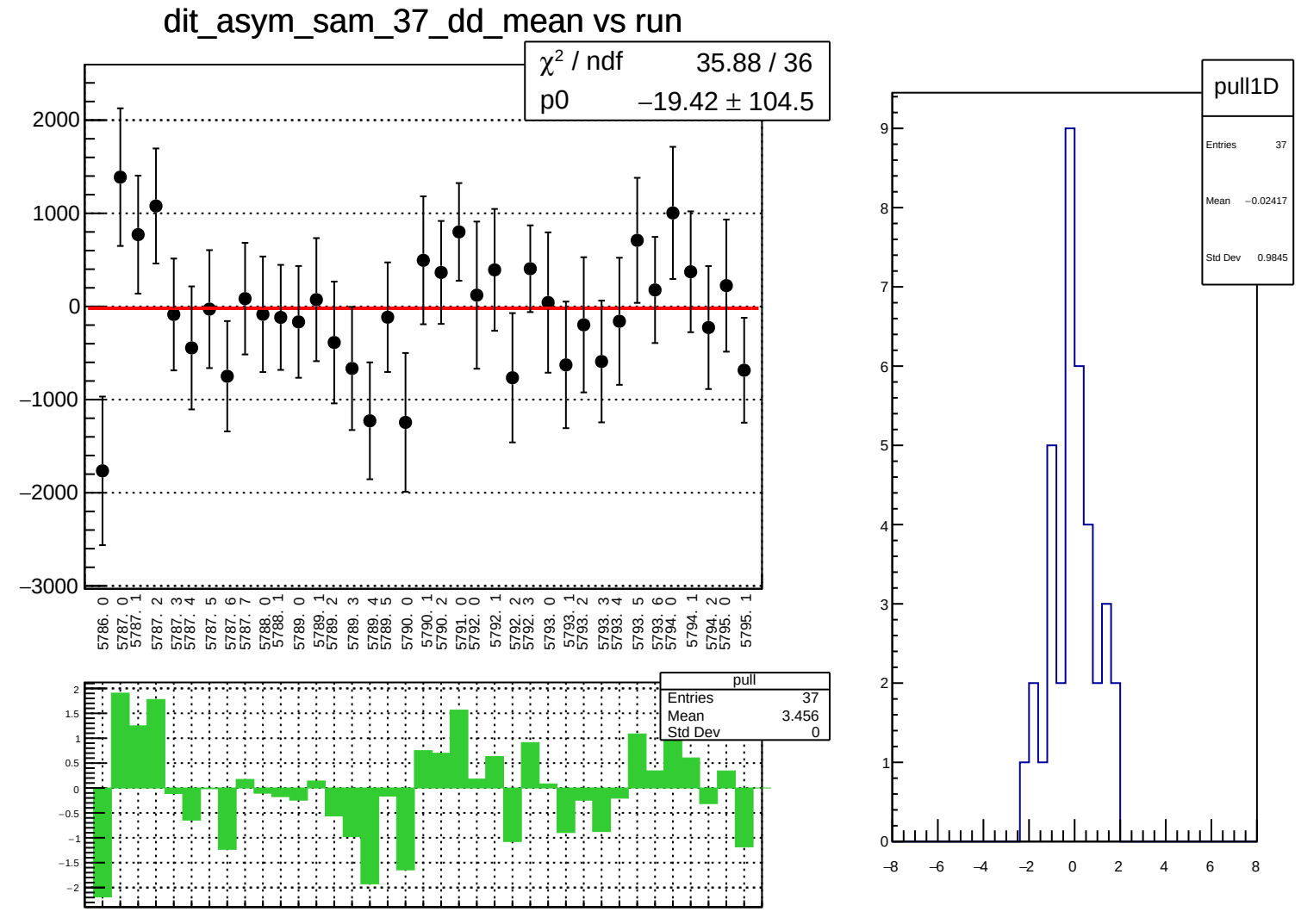
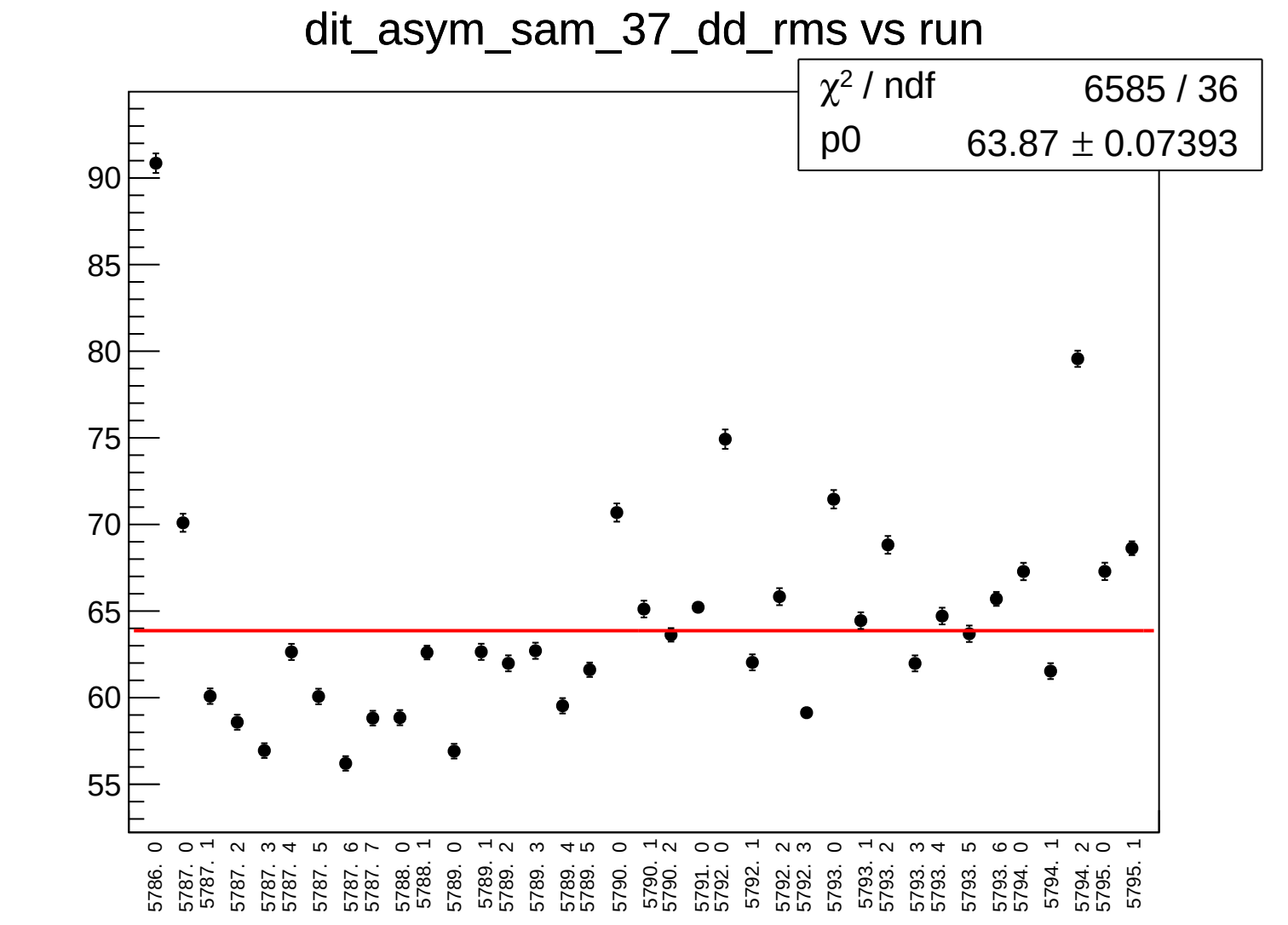
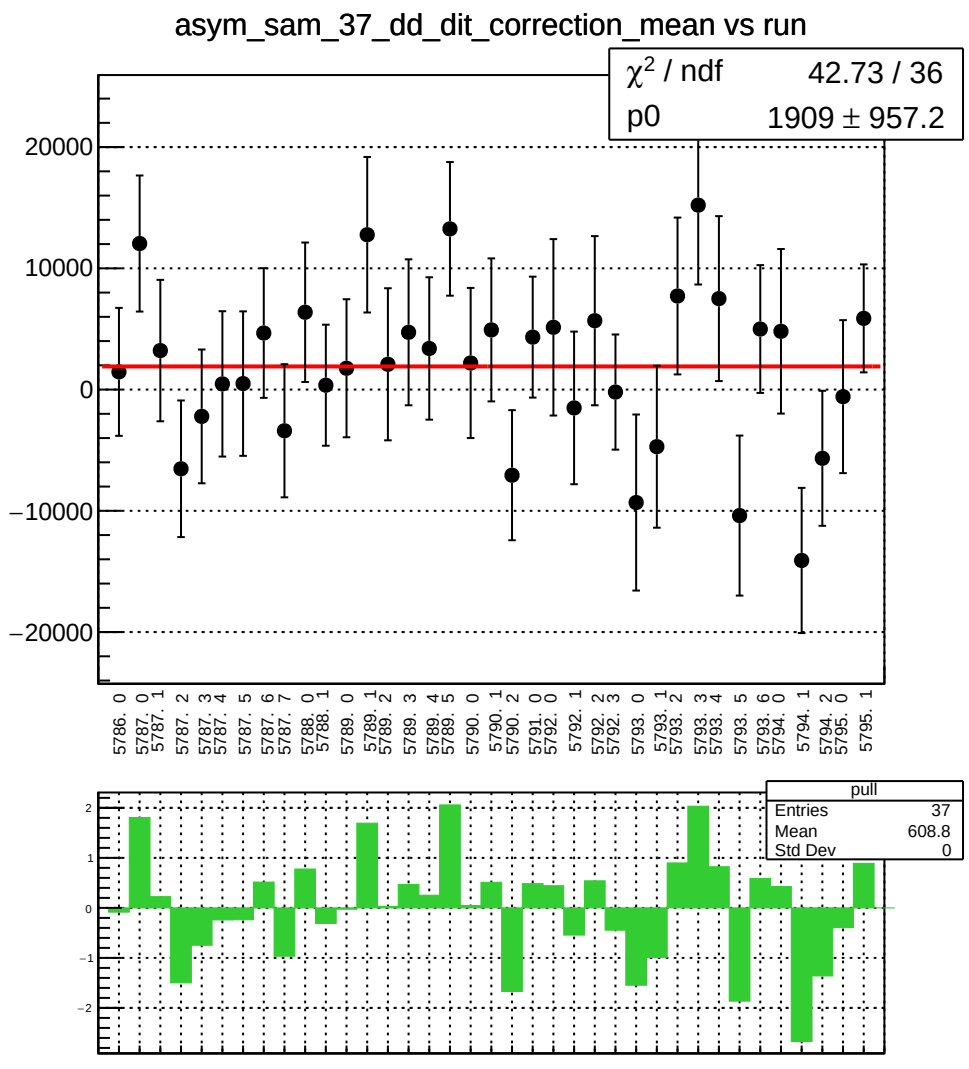
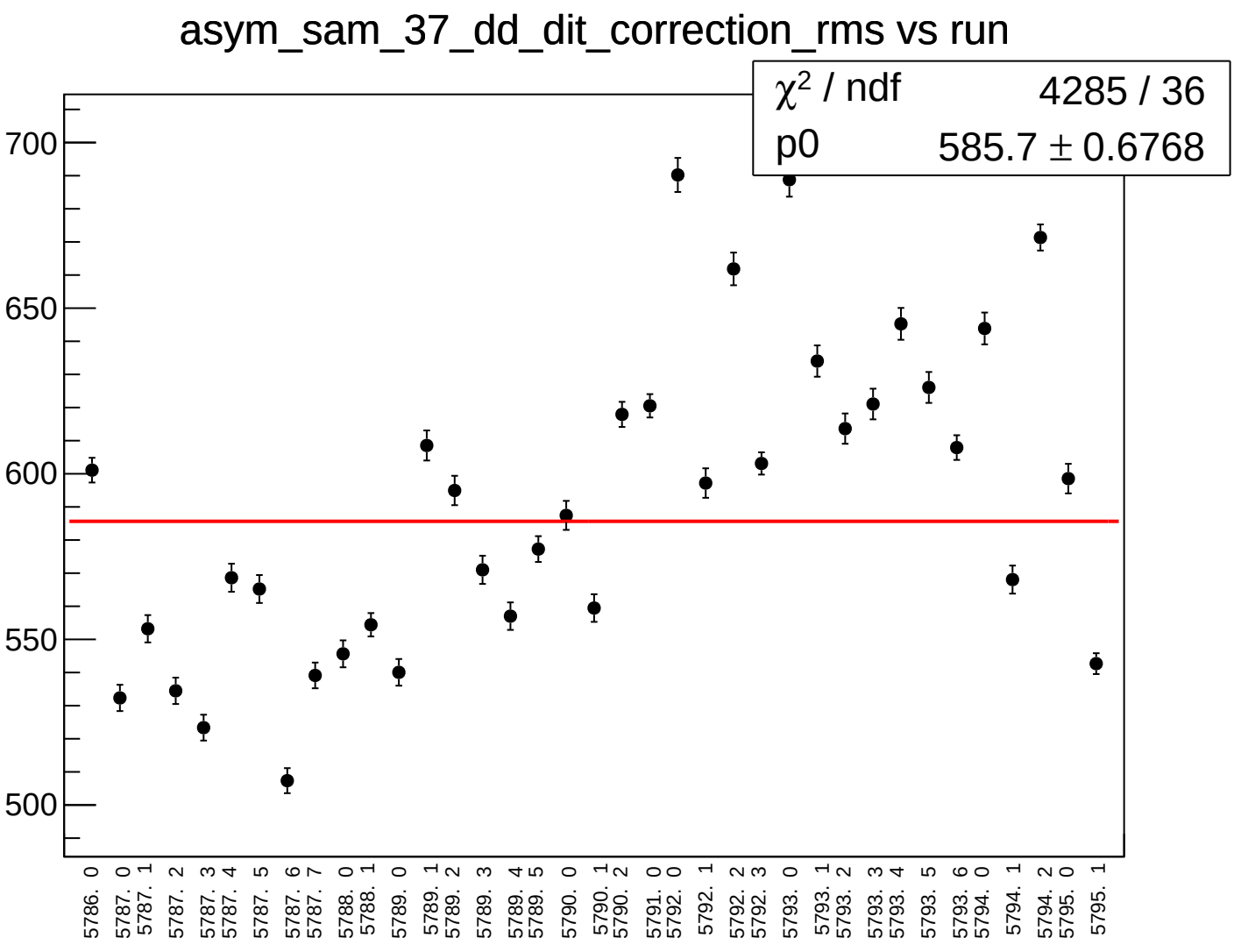
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 813.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.001953
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

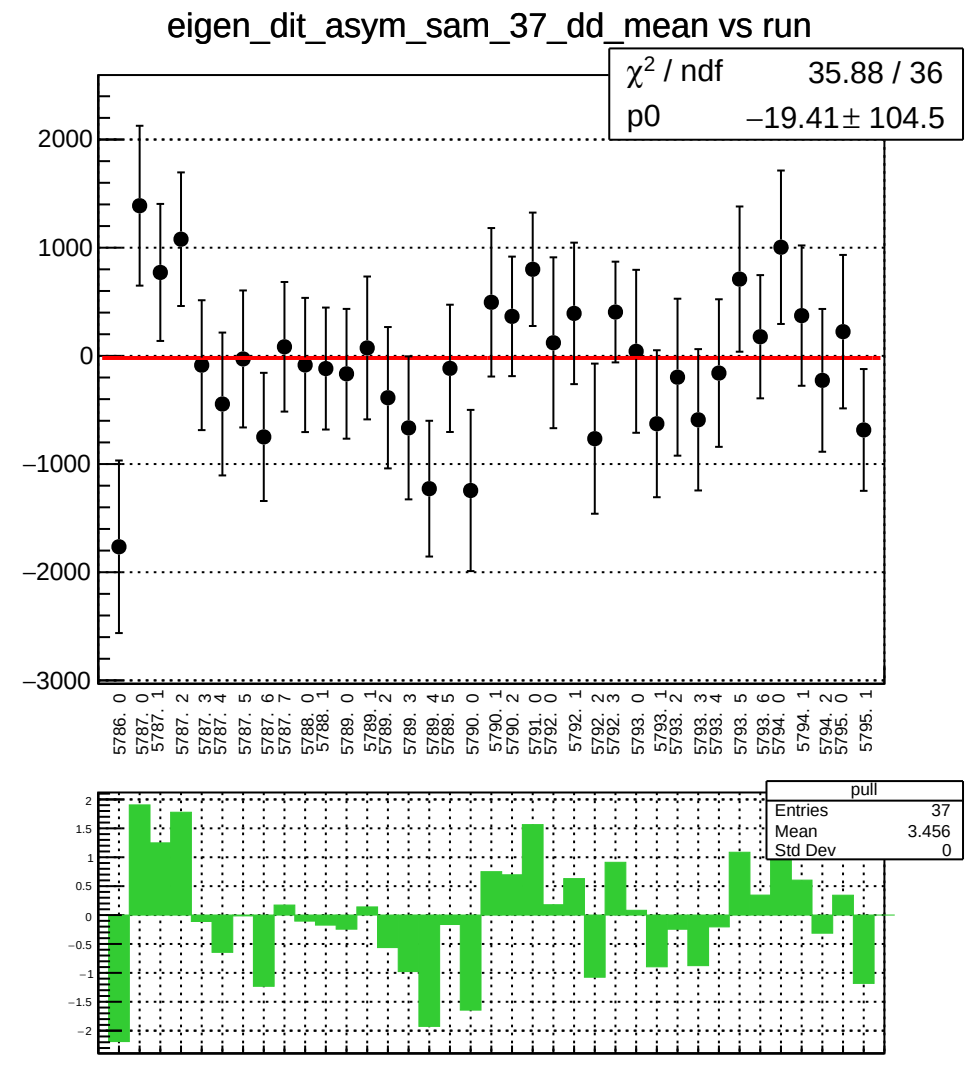

asym_sam_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 5125 / 36
p0 598.1 ± 0.6917
750
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

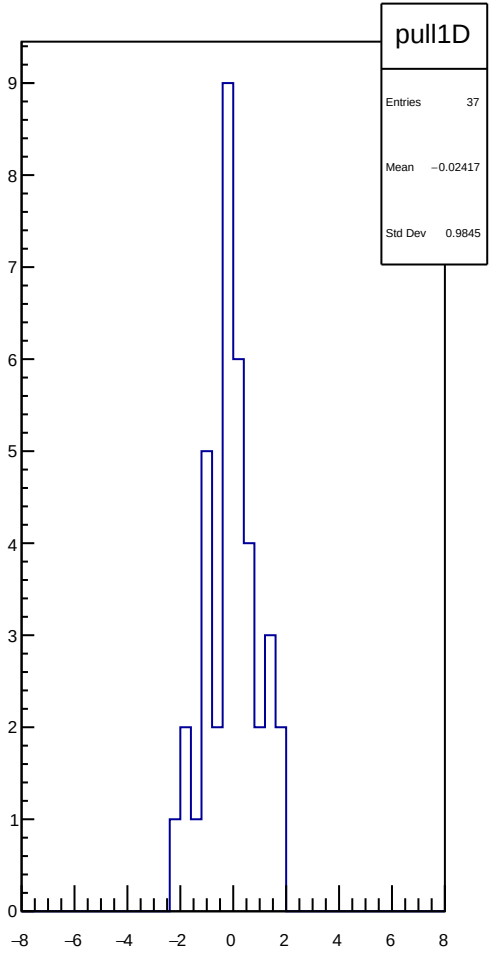

dit_asym_sam_37_dd_mean vs run
χ² / ndf 35.88 / 36
p0 −19.42 ± 104.5
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3.456
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02417
Std Dev 0.9845
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

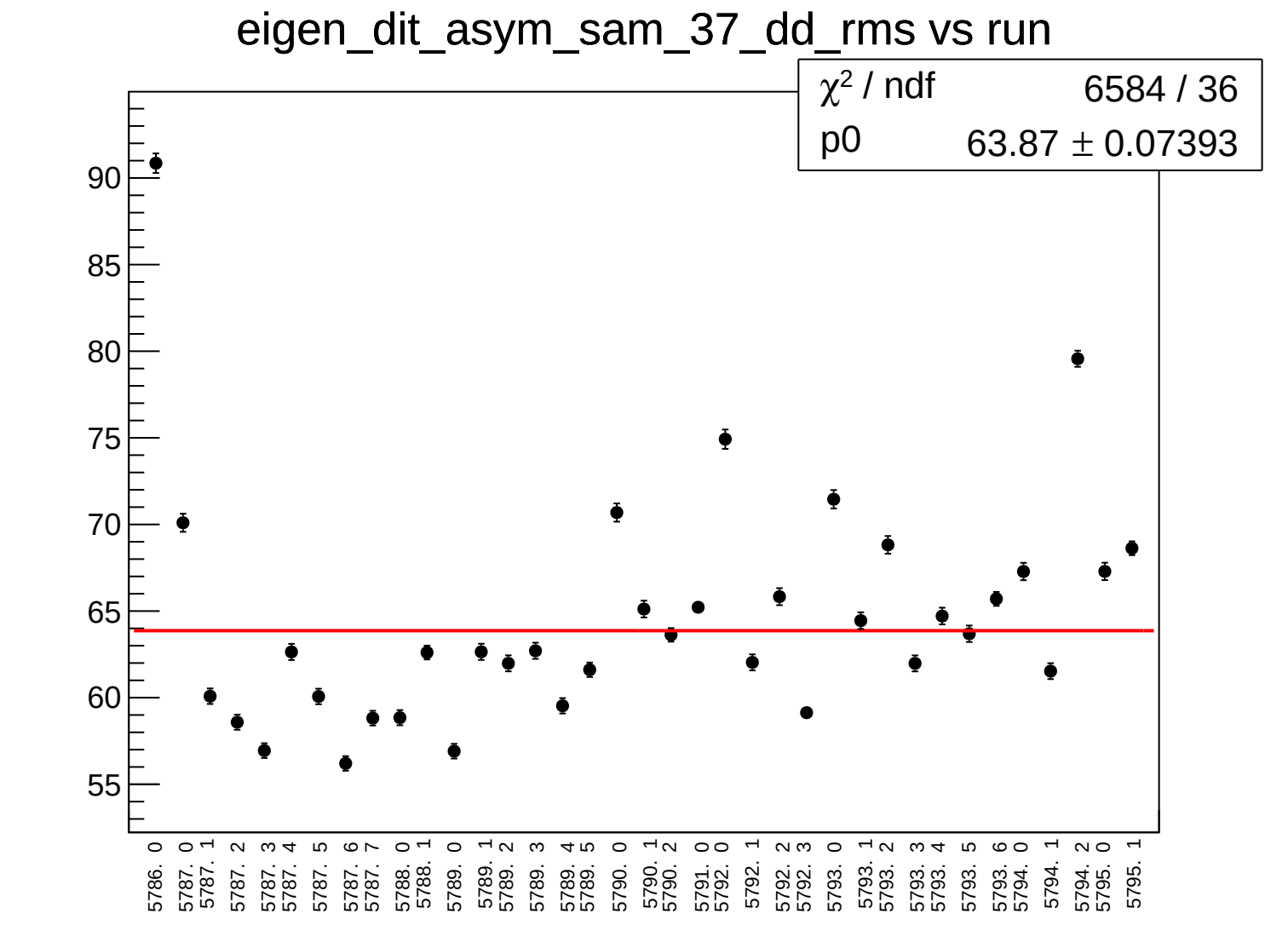

dit_asym_sam_37_dd_rms vs run
χ² / ndf 6585 / 36
p0 63.87 ± 0.07393
90
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

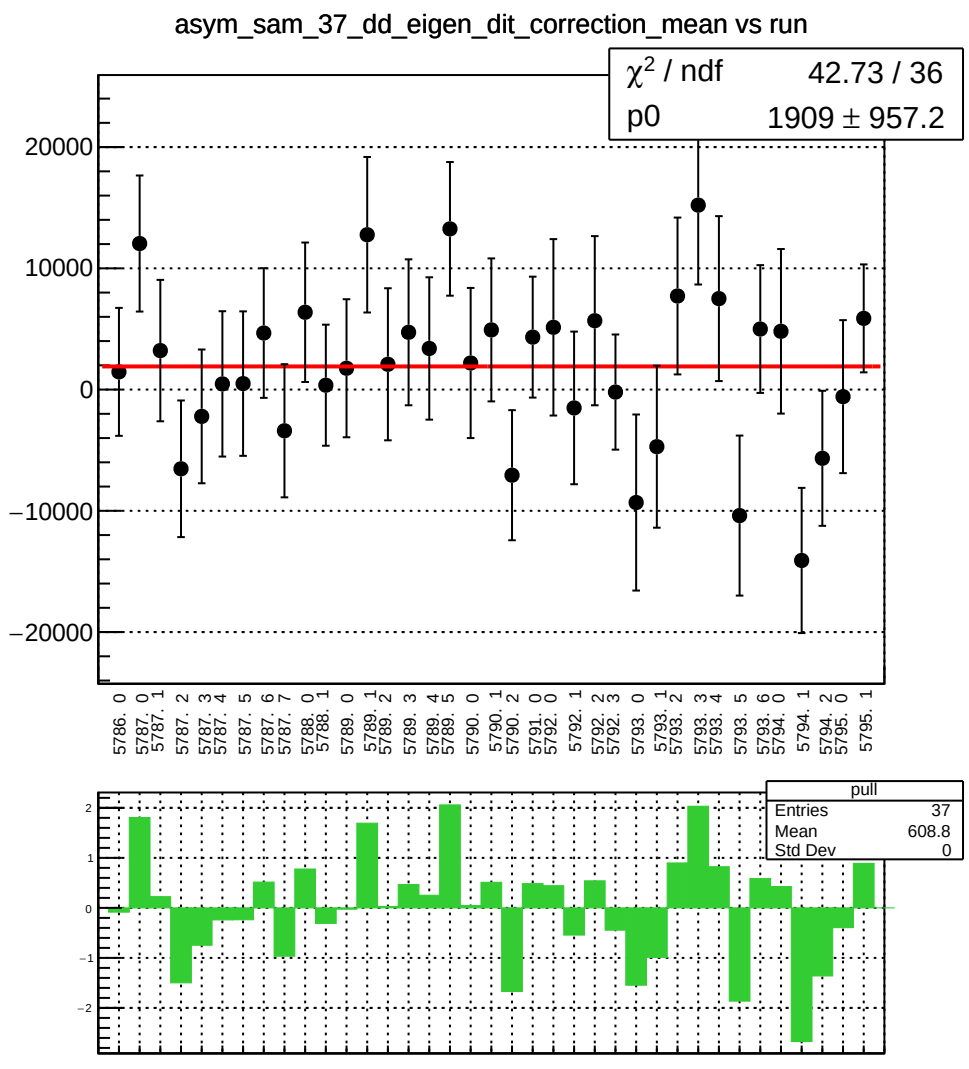

asym_sam_37_dd_dit_correction_mean vs run
χ² / ndf 42.73 / 36
p0 1909 ± 957.2
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 608.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.002538
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

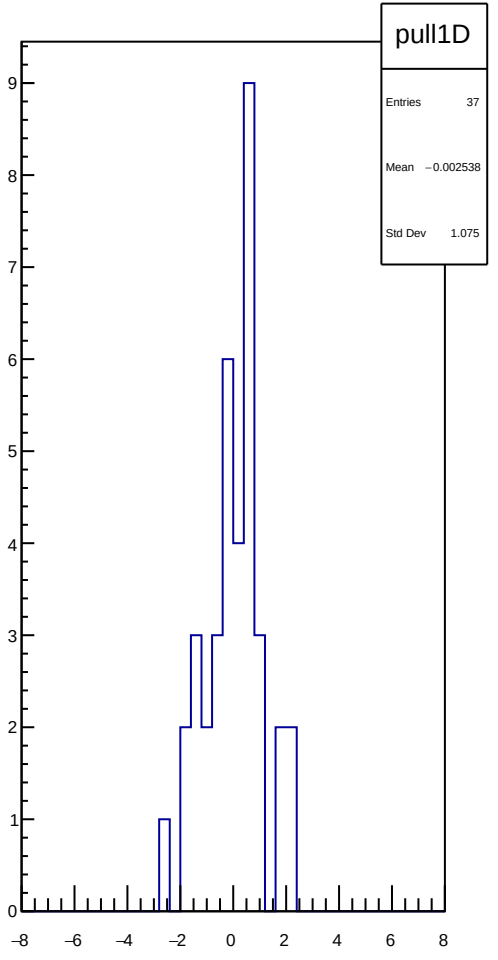

asym_sam_37_dd_dit_correction_rms vs run
χ² / ndf 4285 / 36
p0 585.7 ± 0.6768
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

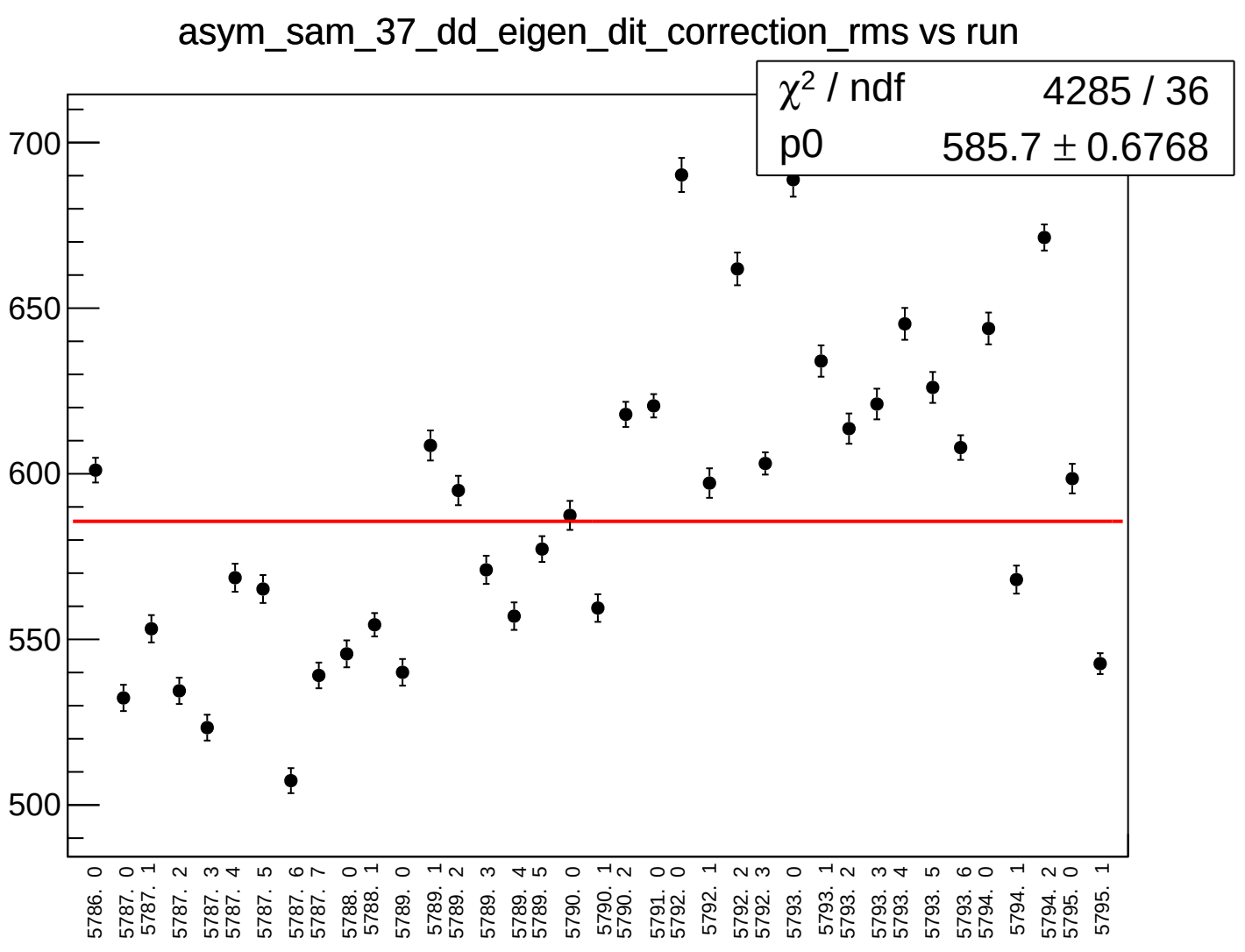

eigen_dit_asym_sam_37_dd_mean vs run
χ² / ndf 35.88 / 36
p0 −19.41± 104.5
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3.456
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

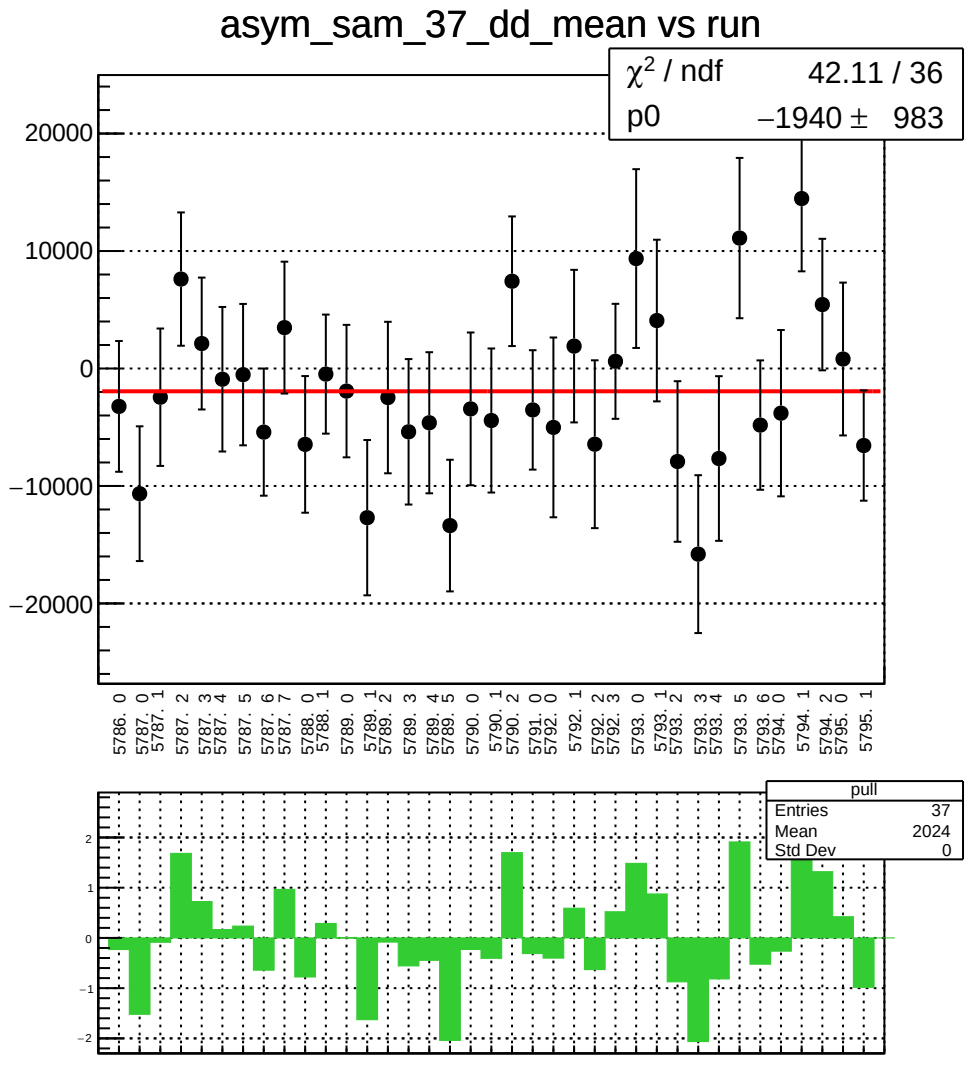

pull1D
Entries 37
Mean −0.02417
Std Dev 0.9845
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

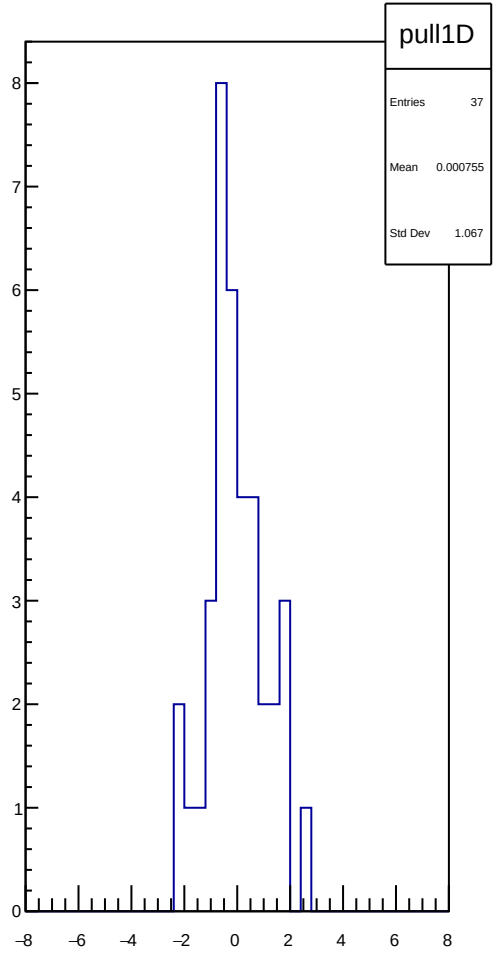

eigen_dit_asym_sam_37_dd_rms vs run
χ² / ndf 6584 / 36
p0 63.87 ± 0.07393
90
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

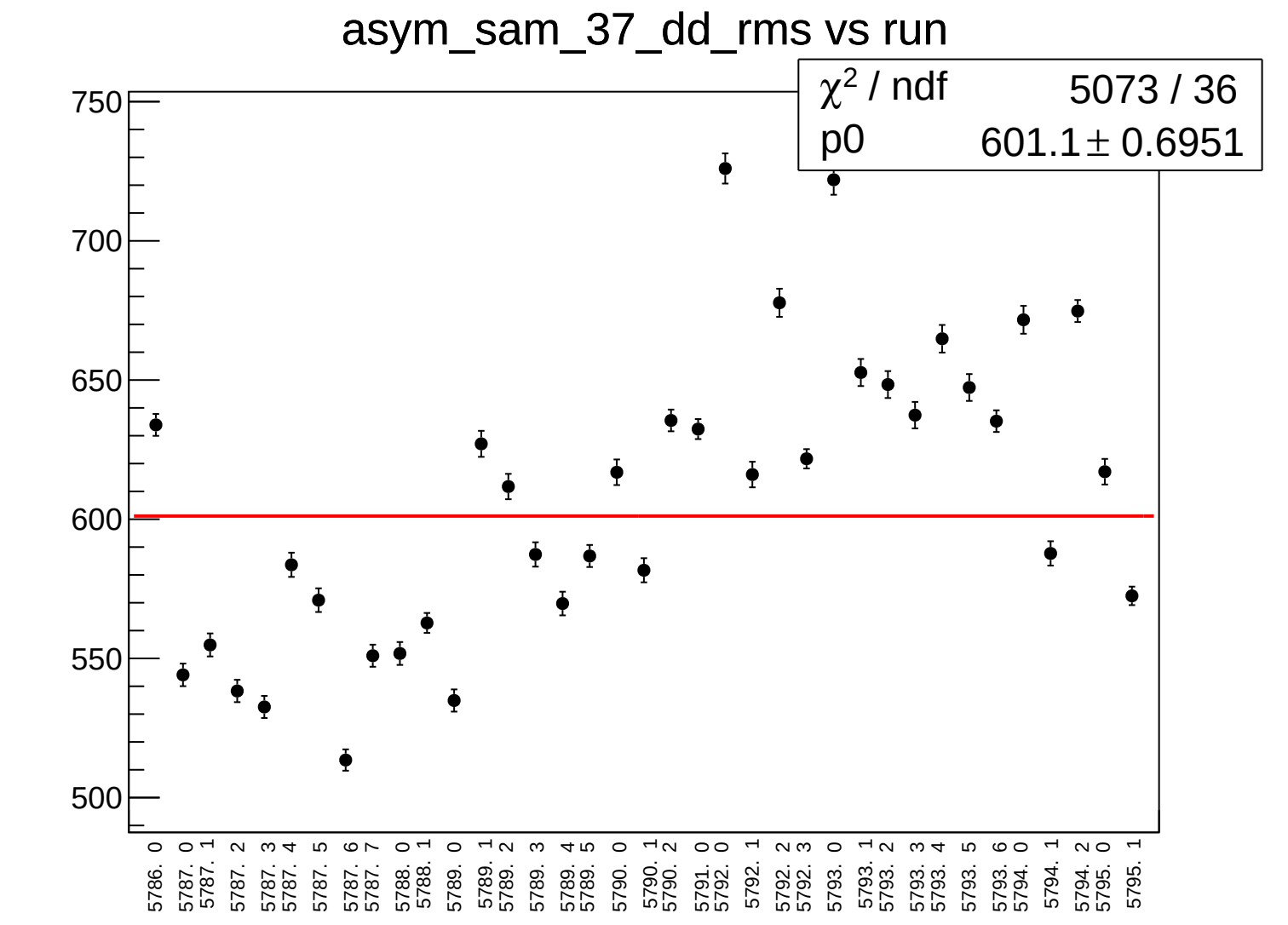

asym_sam_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.73 / 36
p0 1909 ± 957.2
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 608.8
Std Dev 0
2
1
0
−1
−2

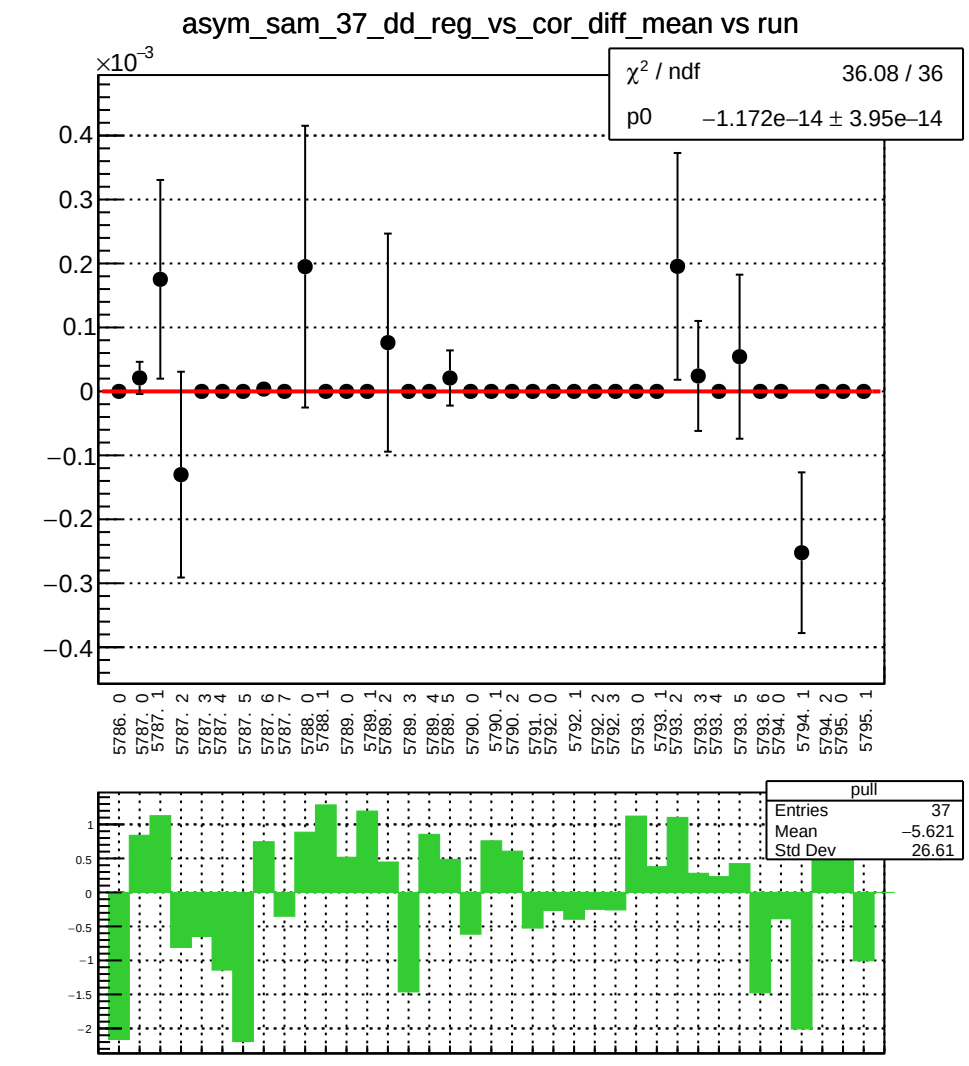

pull1D
Entries 37
Mean −0.002538
Std Dev 1.075
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

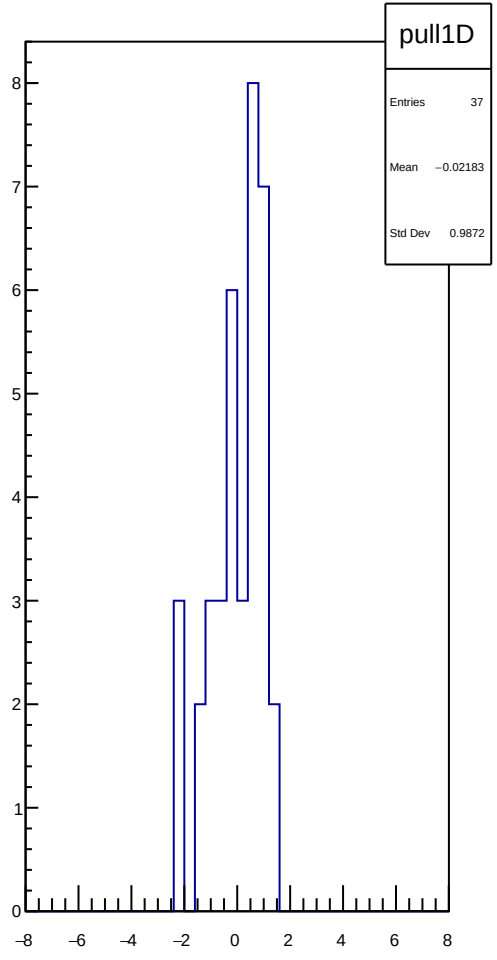

asym_sam_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 4285 / 36
p0 585.7 ± 0.6768
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

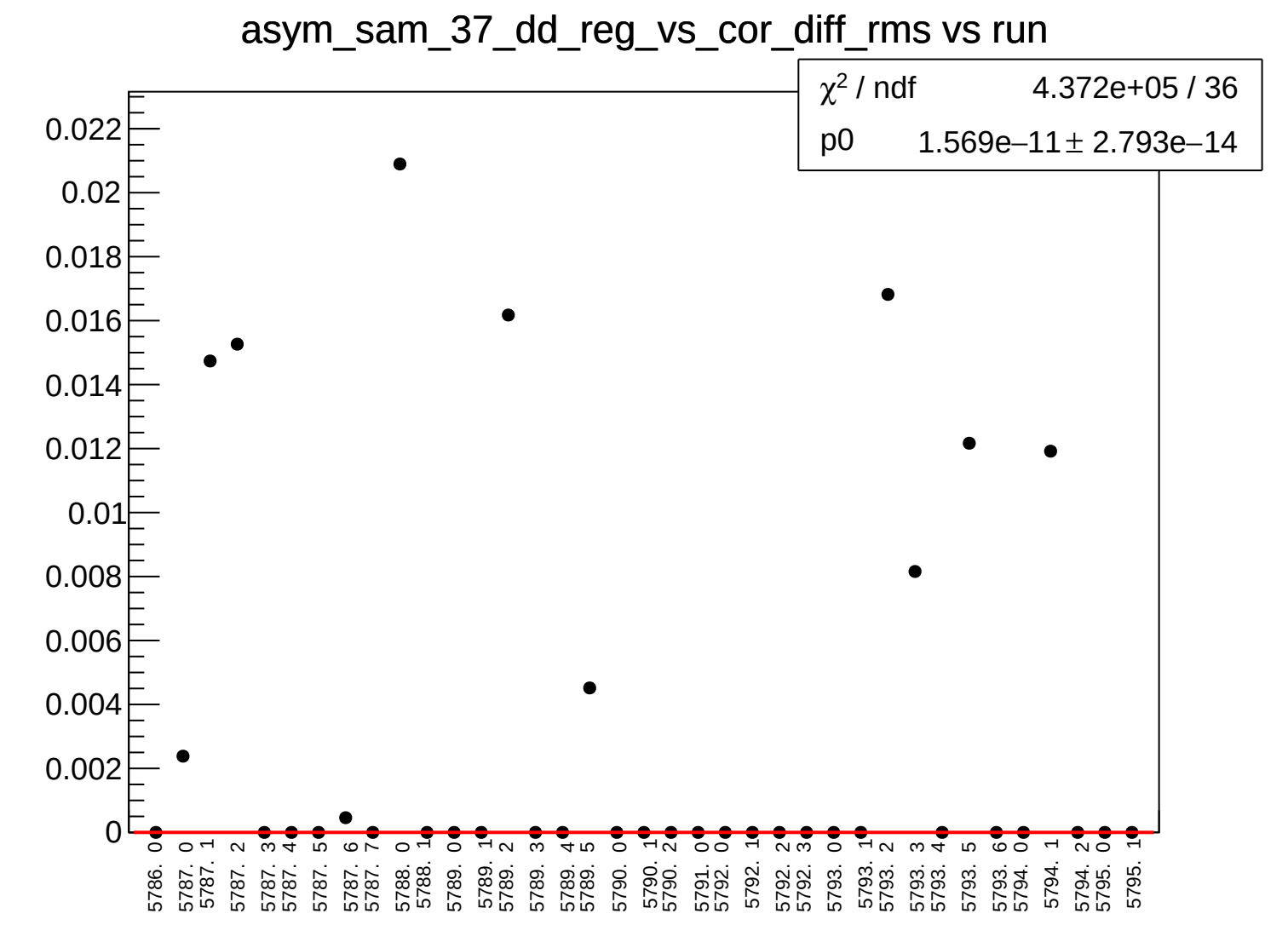

asym_sam_37_dd_mean vs run
χ² / ndf 42.11 / 36
p0 −1940 ± 983
20000
10000
0
−10000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2024
Std Dev 0
2
1
0
−1
−2

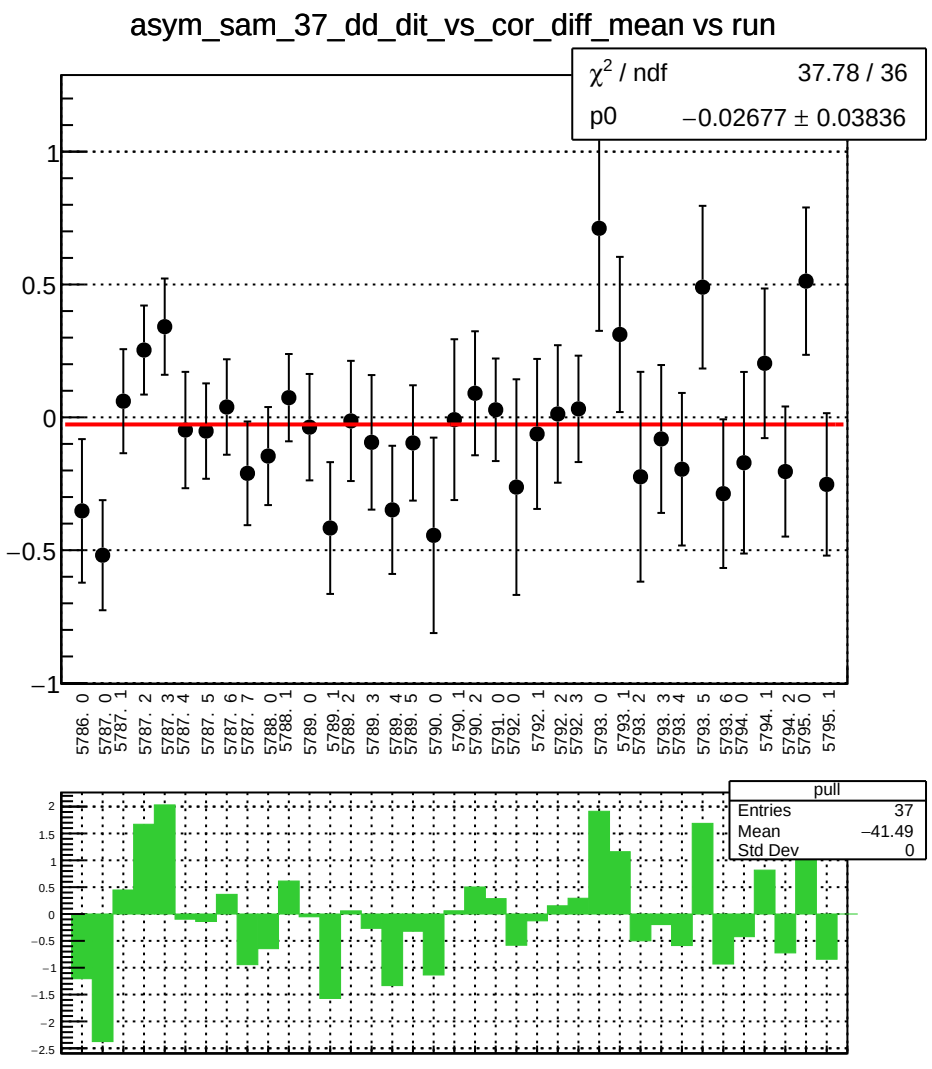

pull1D
Entries 37
Mean 0.000755
Std Dev 1.067
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

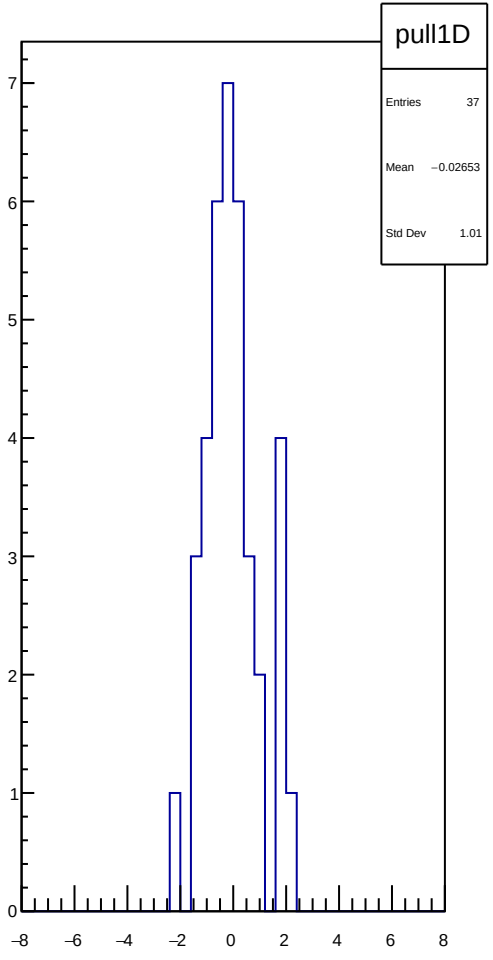

asym_sam_37_dd_rms vs run
χ² / ndf 5073 / 36
p0 601.1 ± 0.6951
750
700
650
600
550
500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

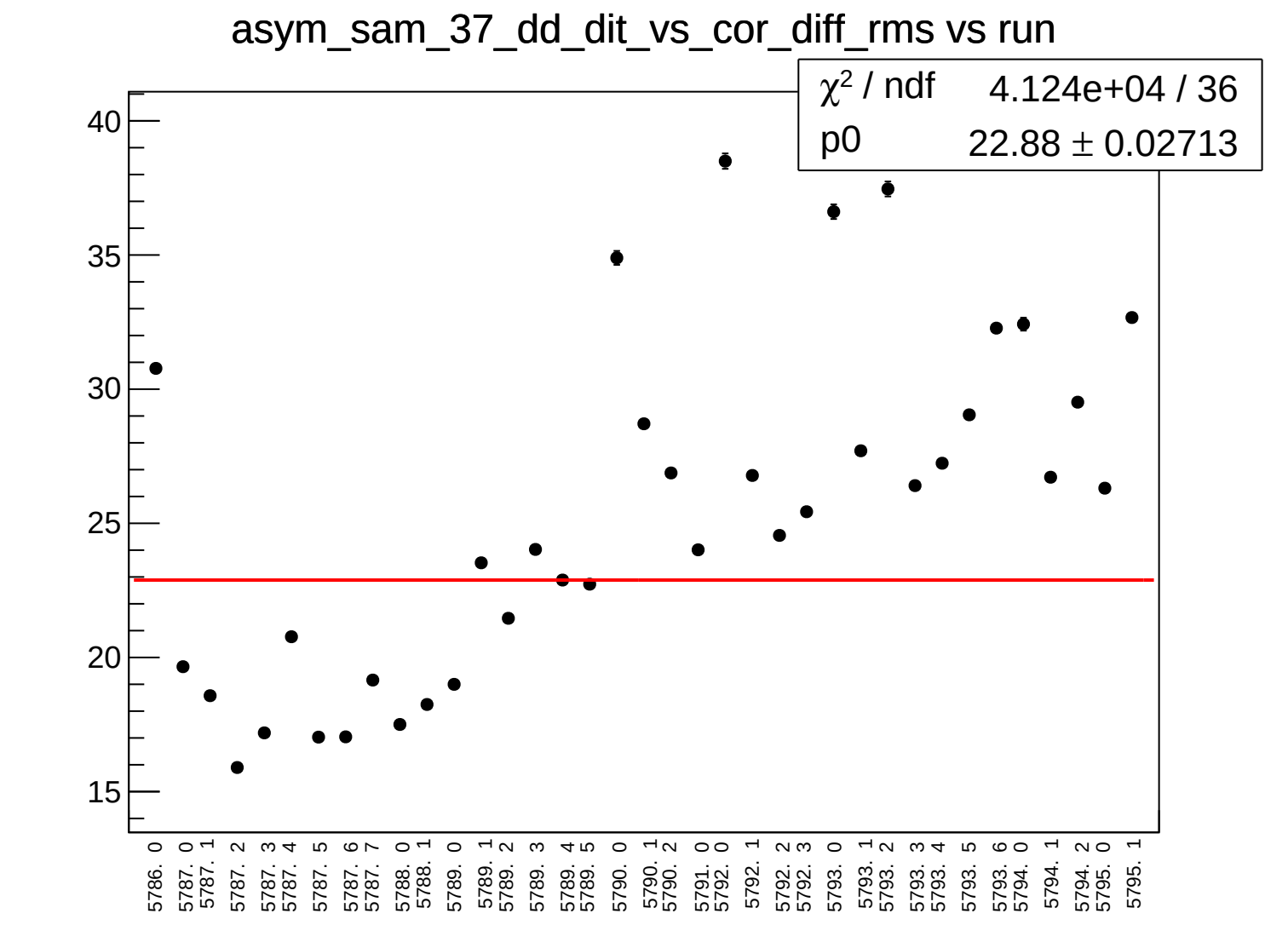

asym_sam_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 36.08 / 36
p0 −1.172e−14 ± 3.95e−14
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.621
Std Dev 26.61
1
0.5
0
−0.5
−1
−1.5
−2

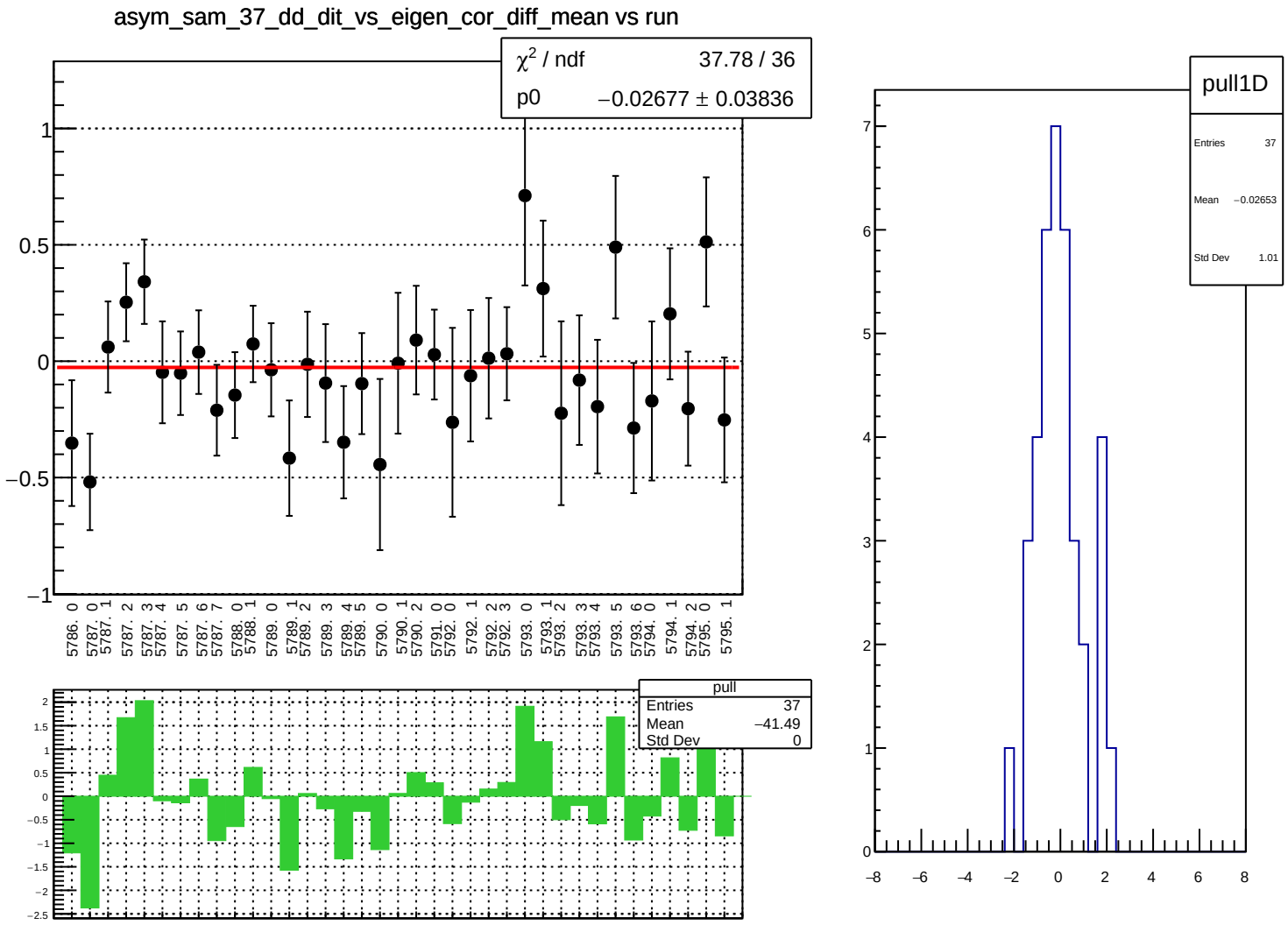

pull1D
Entries 37
Mean −0.02183
Std Dev 0.9872
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

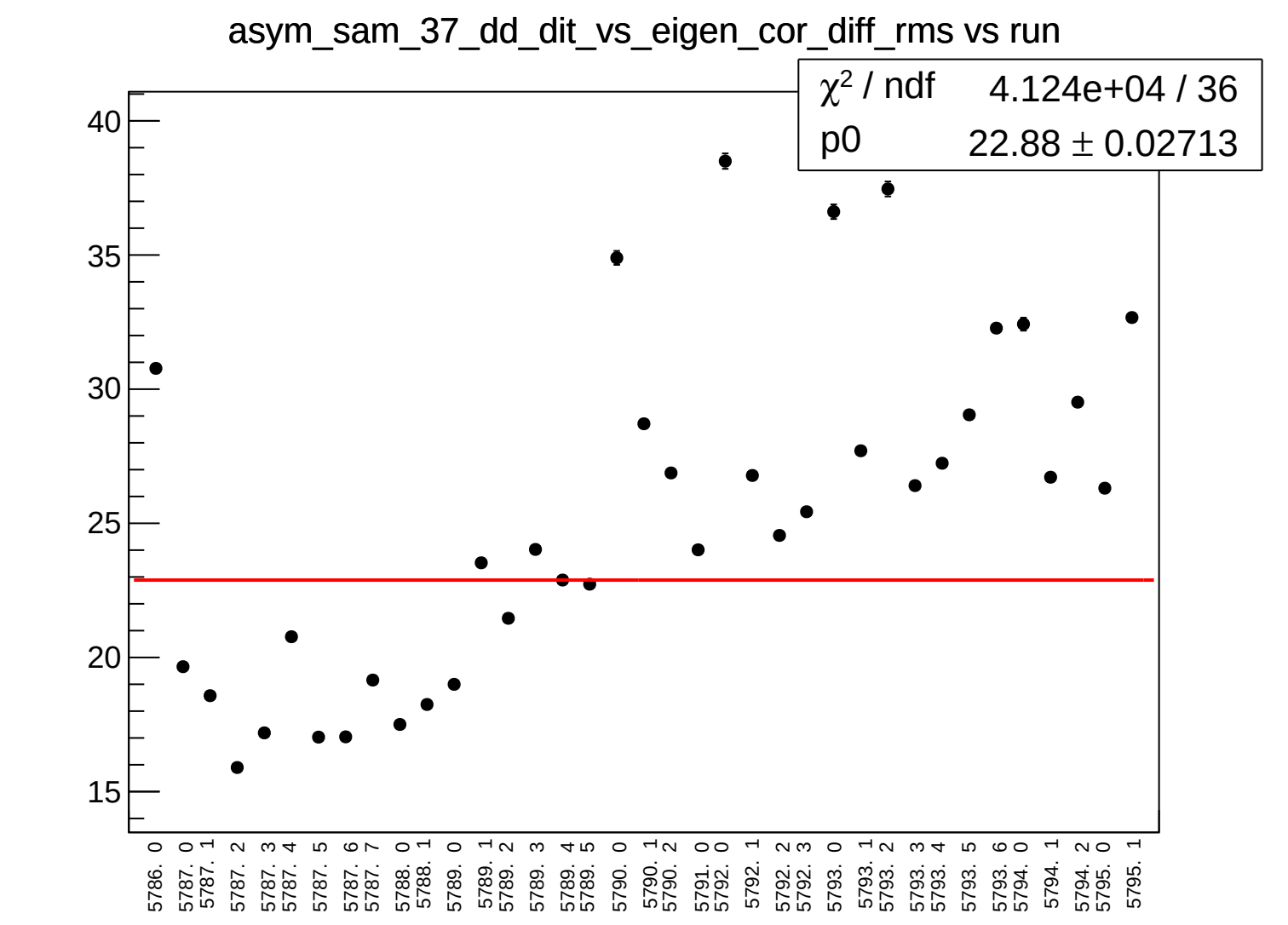

asym_sam_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.372e+05 / 36
p0 1.569e−11 ± 2.793e−14
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

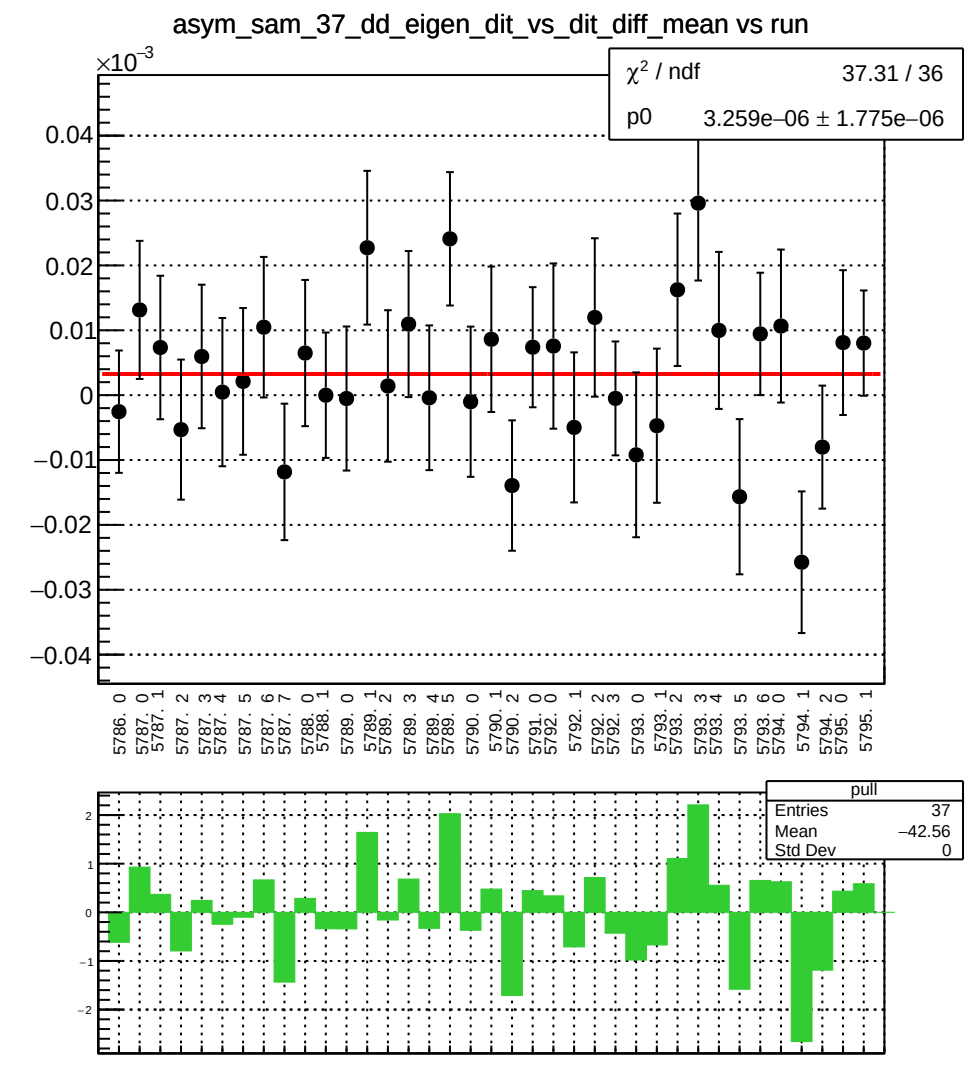

asym_sam_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 37.78 / 36
p0 −0.02677 ± 0.03836
pull
Entries 37
Mean −41.49
Std Dev 0

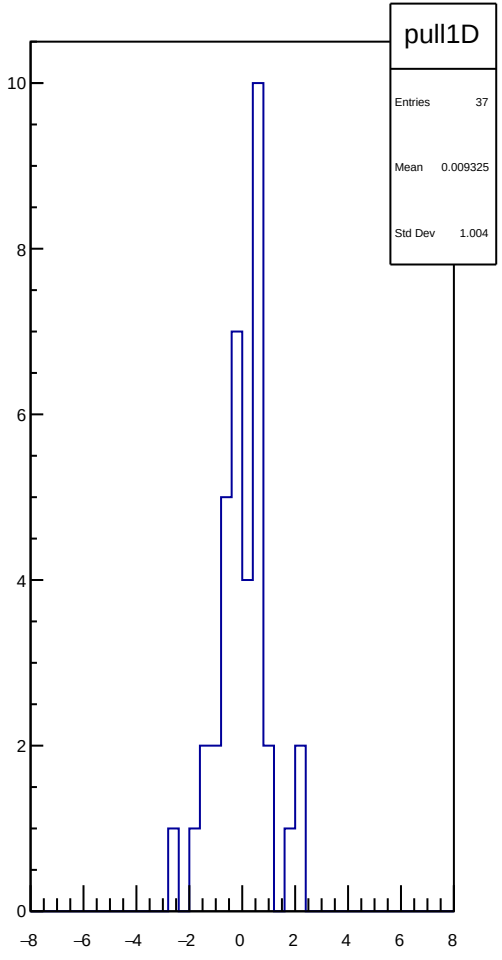

pull1D
Entries 37
Mean −0.02653
Std Dev 1.01

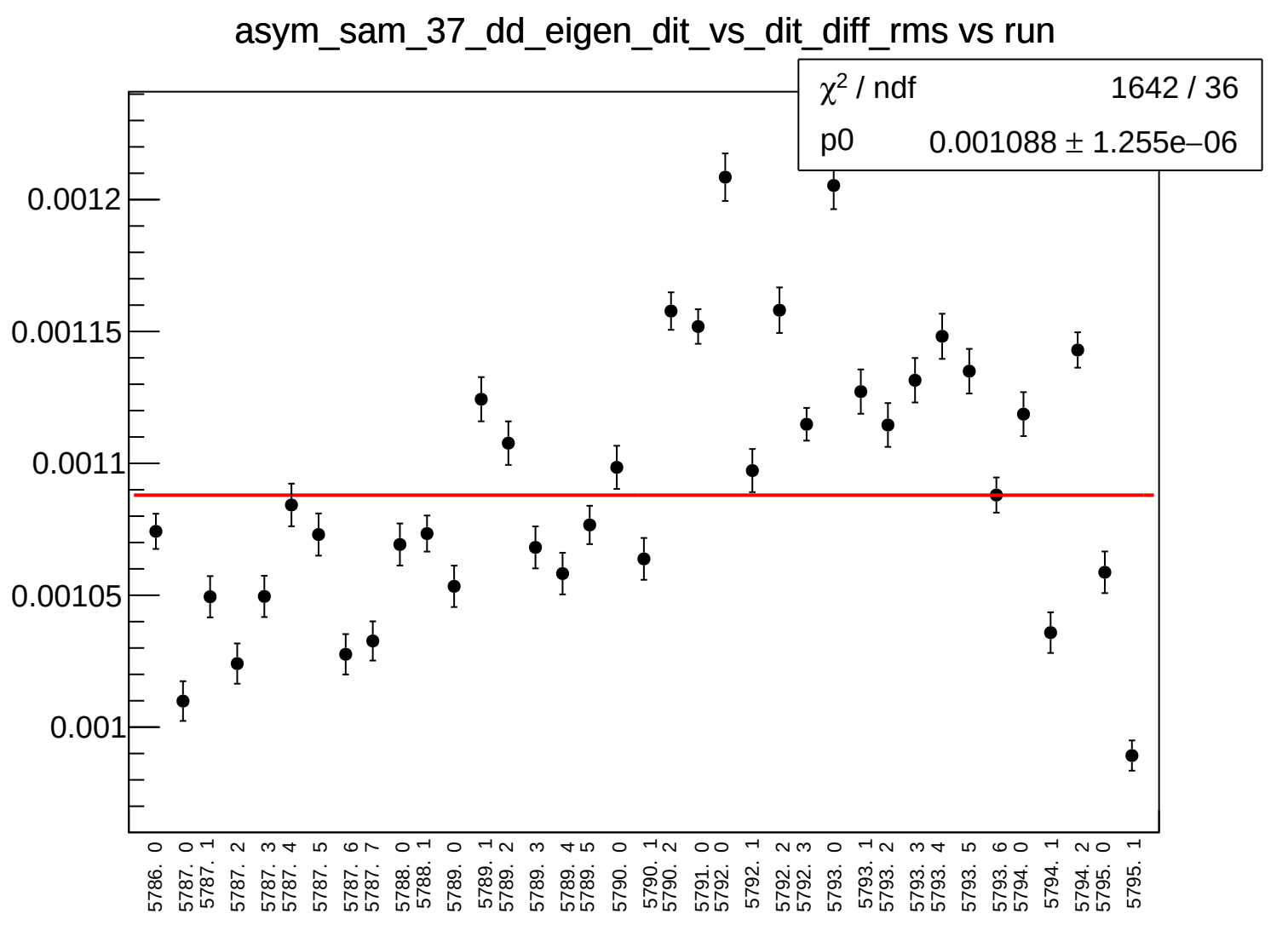

asym_sam_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.124e+04 / 36
p0 22.88 ± 0.02713
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

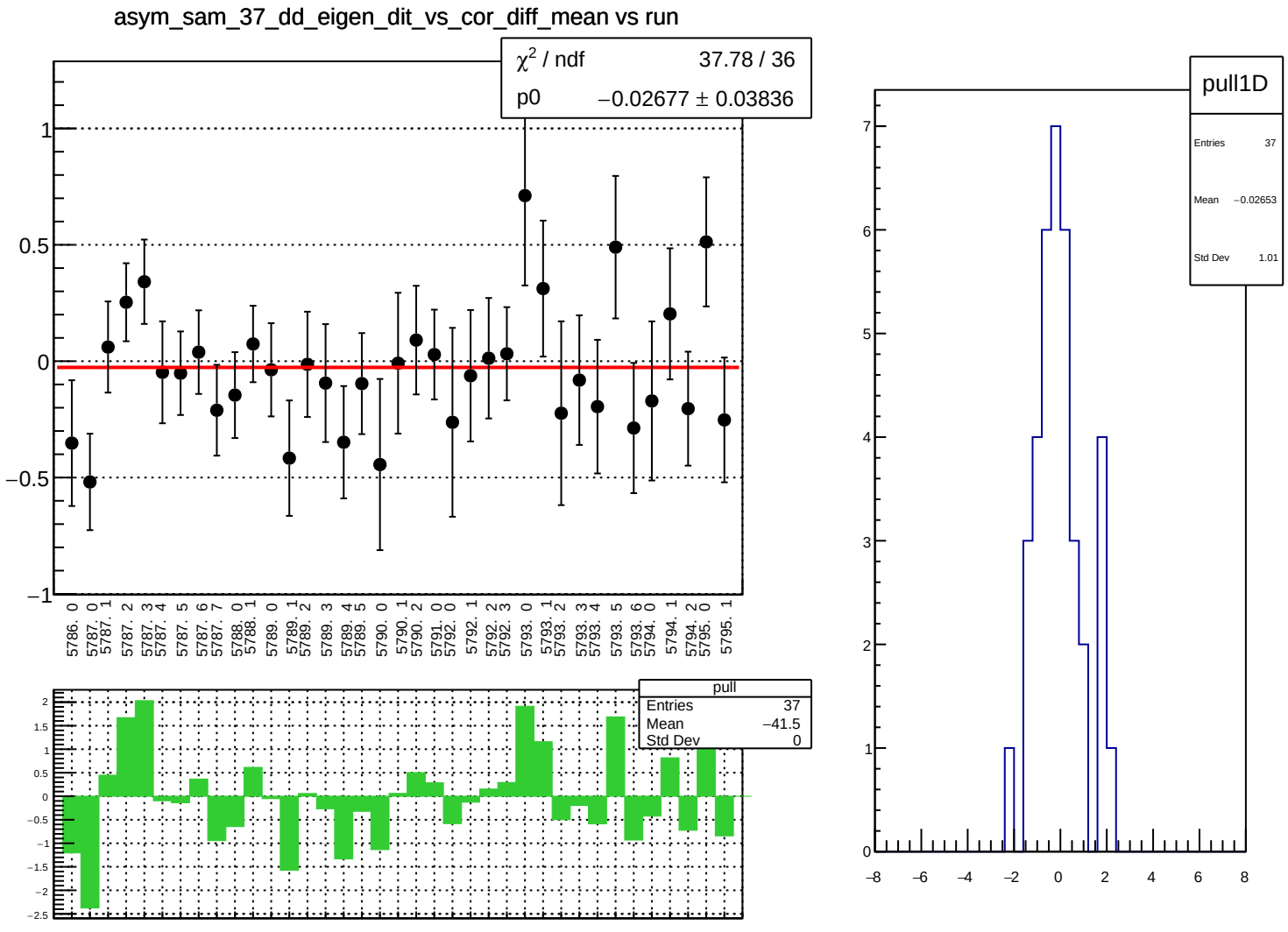

asym_sam_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.78 / 36
p0 −0.02677 ± 0.03836
pull
Entries 37
Mean −41.49
Std Dev 0
pull1D
Entries 37
Mean −0.02653
Std Dev 1.01

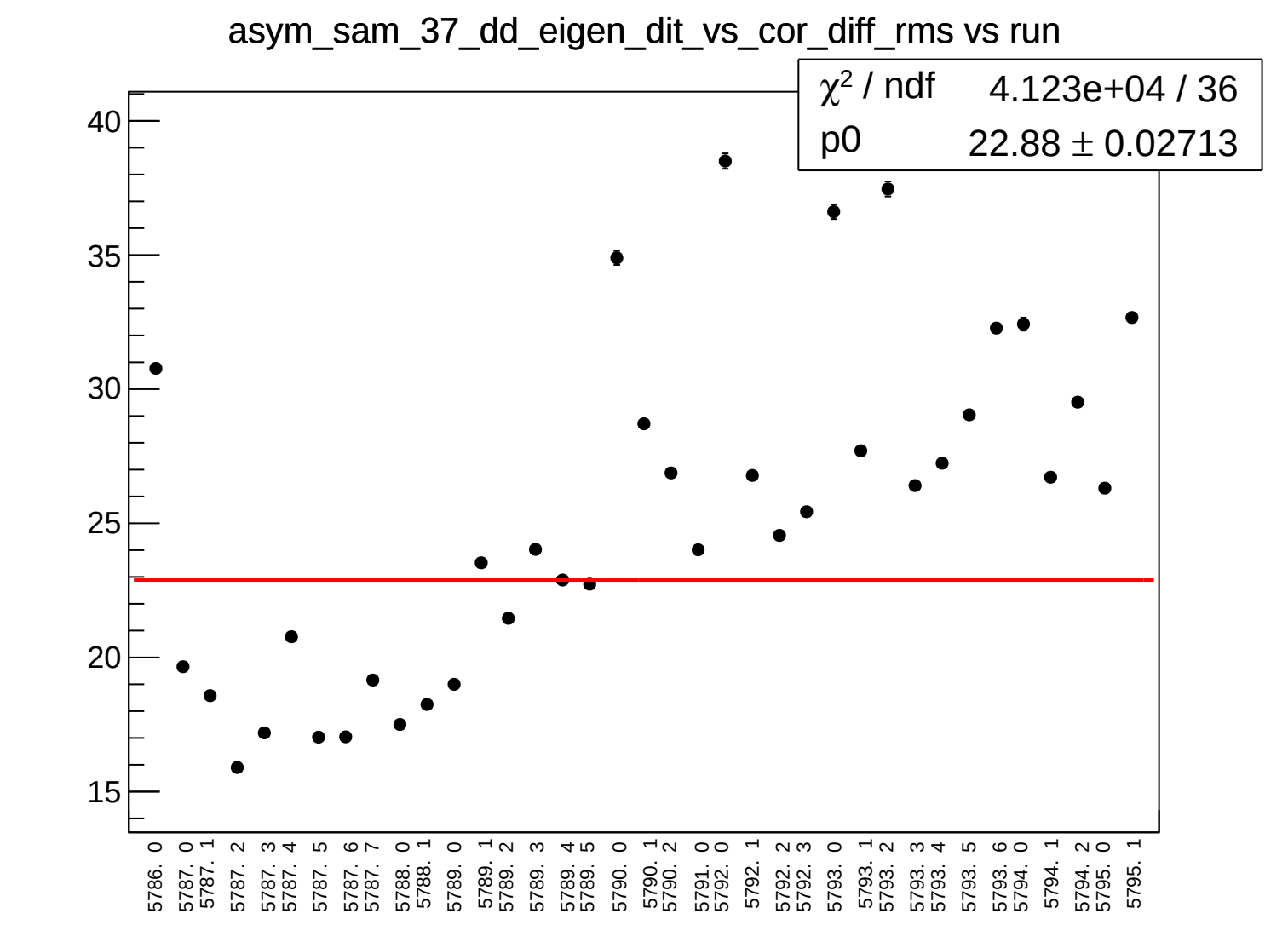

asym_sam_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.124e+04 / 36
p0 22.88 ± 0.02713
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

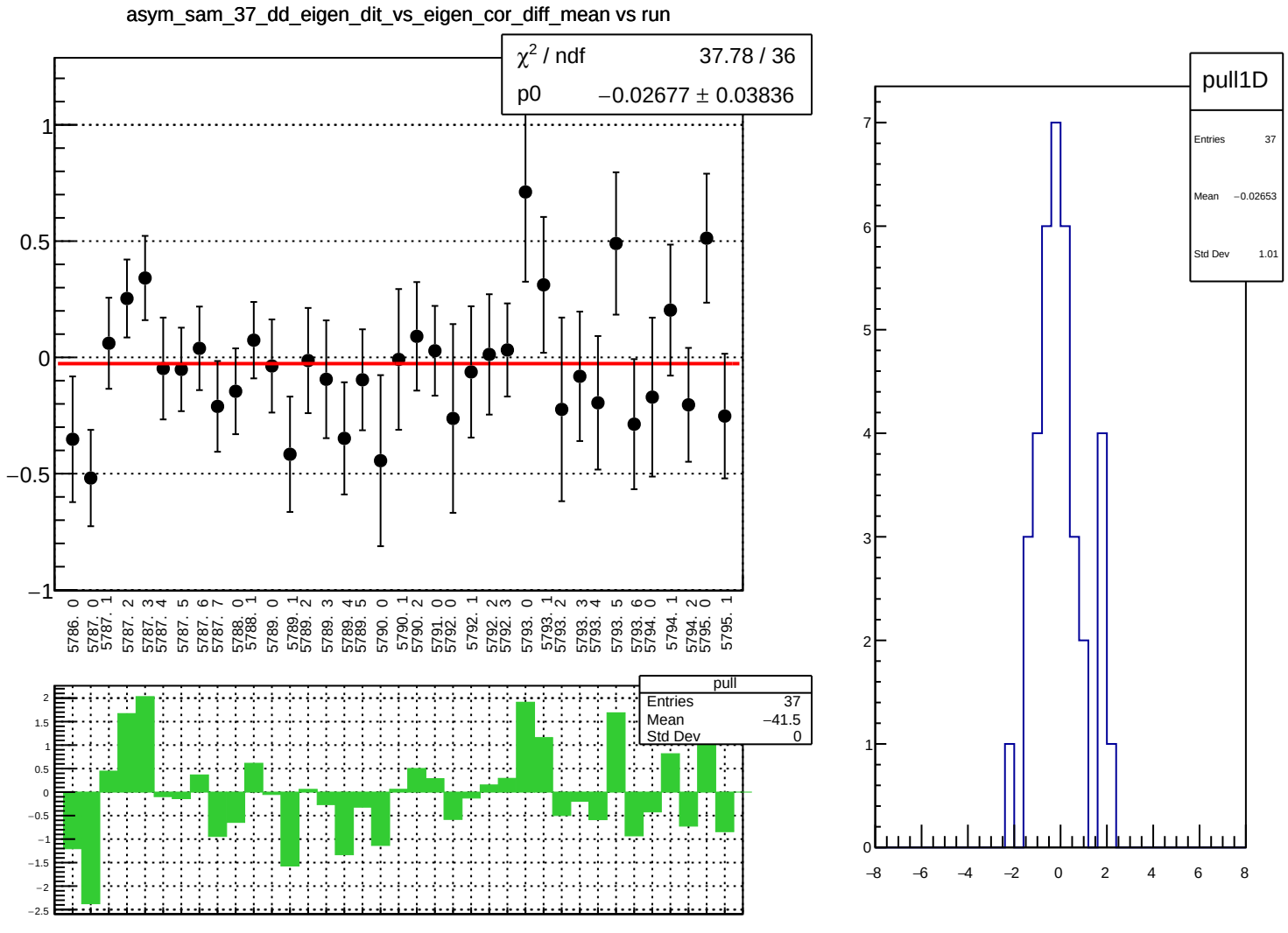

asym_sam_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 37.31 / 36
p0 3.259e−06 ± 1.775e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −42.56
Std Dev 0
2
1
0
−1
−2

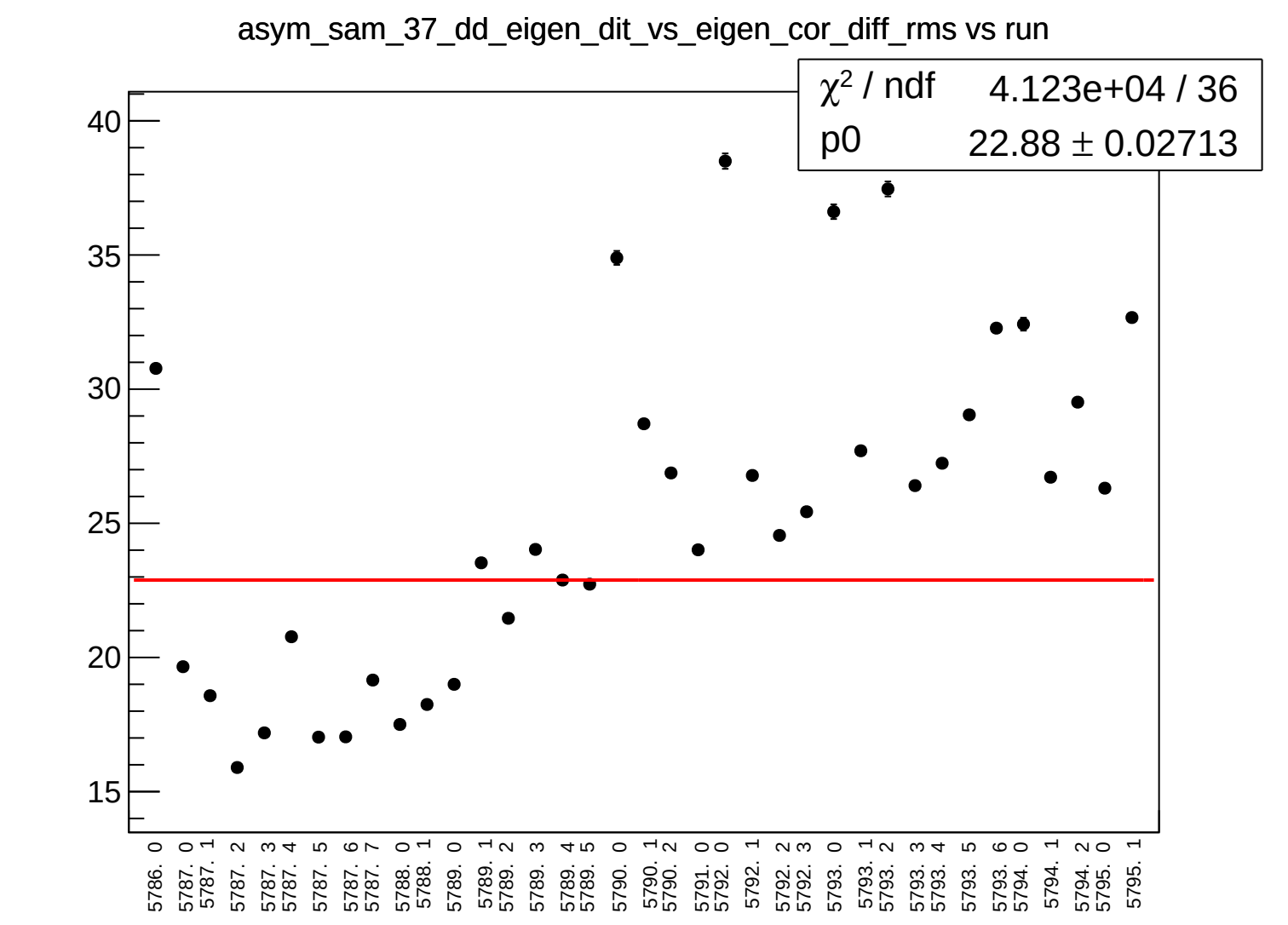

pull1D
Entries 37
Mean 0.009325
Std Dev 1.004
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

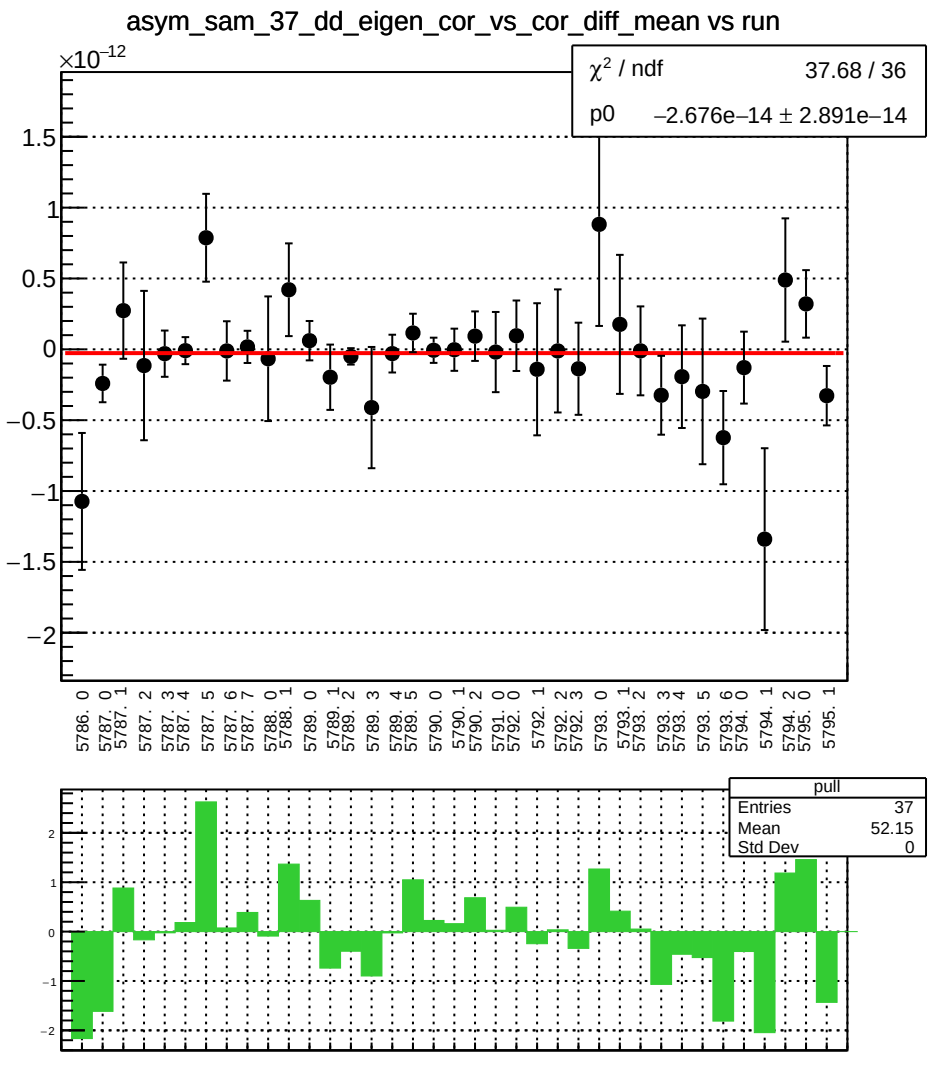

asym_sam_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 1642 / 36
p0 0.001088 ± 1.255e−06
0.0012
0.00115
0.0011
0.00105
0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

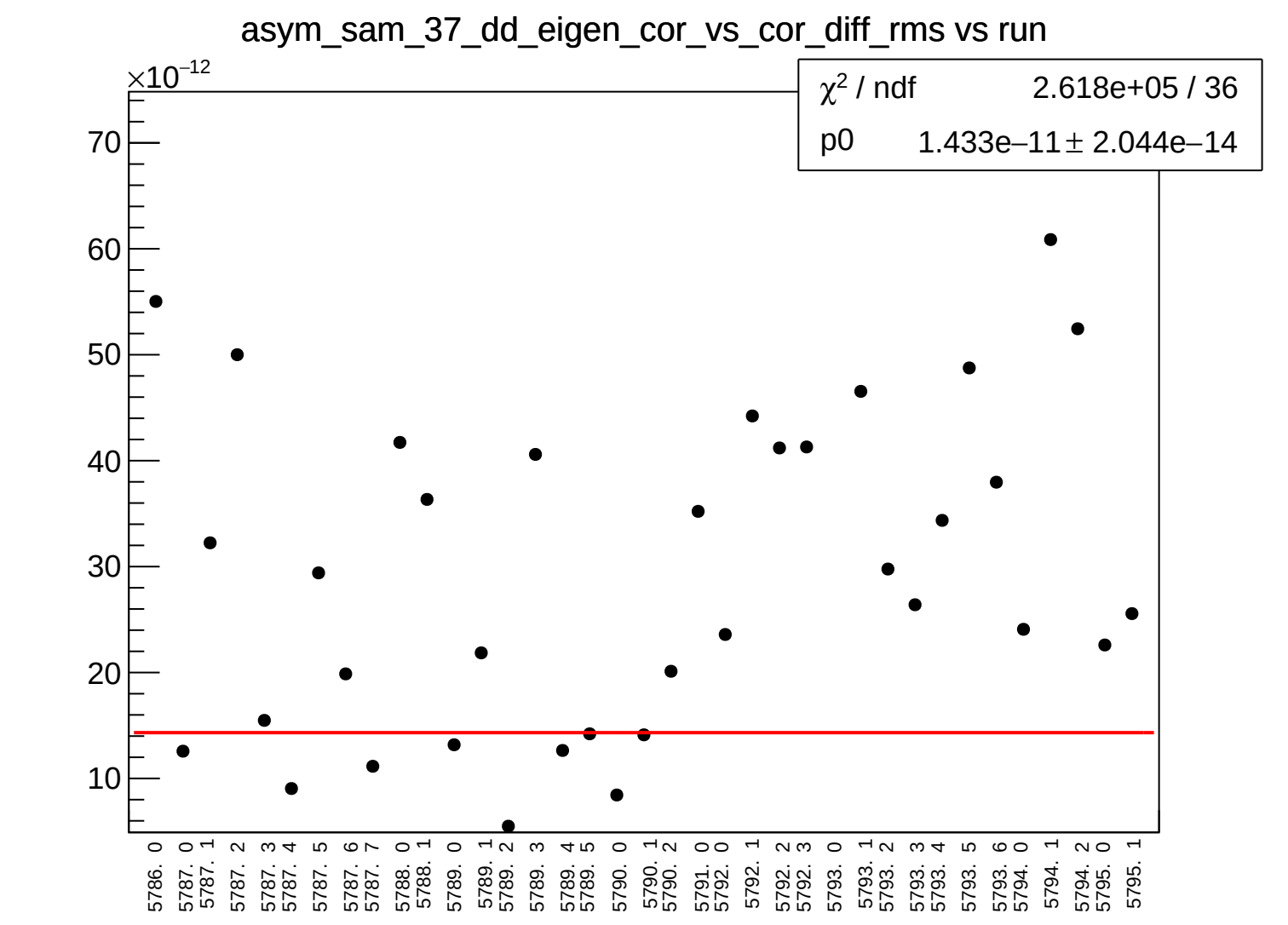

asym_sam_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 37.78 / 36
p0 −0.02677 ± 0.03836
pull
Entries 37
Mean −41.5
Std Dev 0
pull1D
Entries 37
Mean −0.02653
Std Dev 1.01

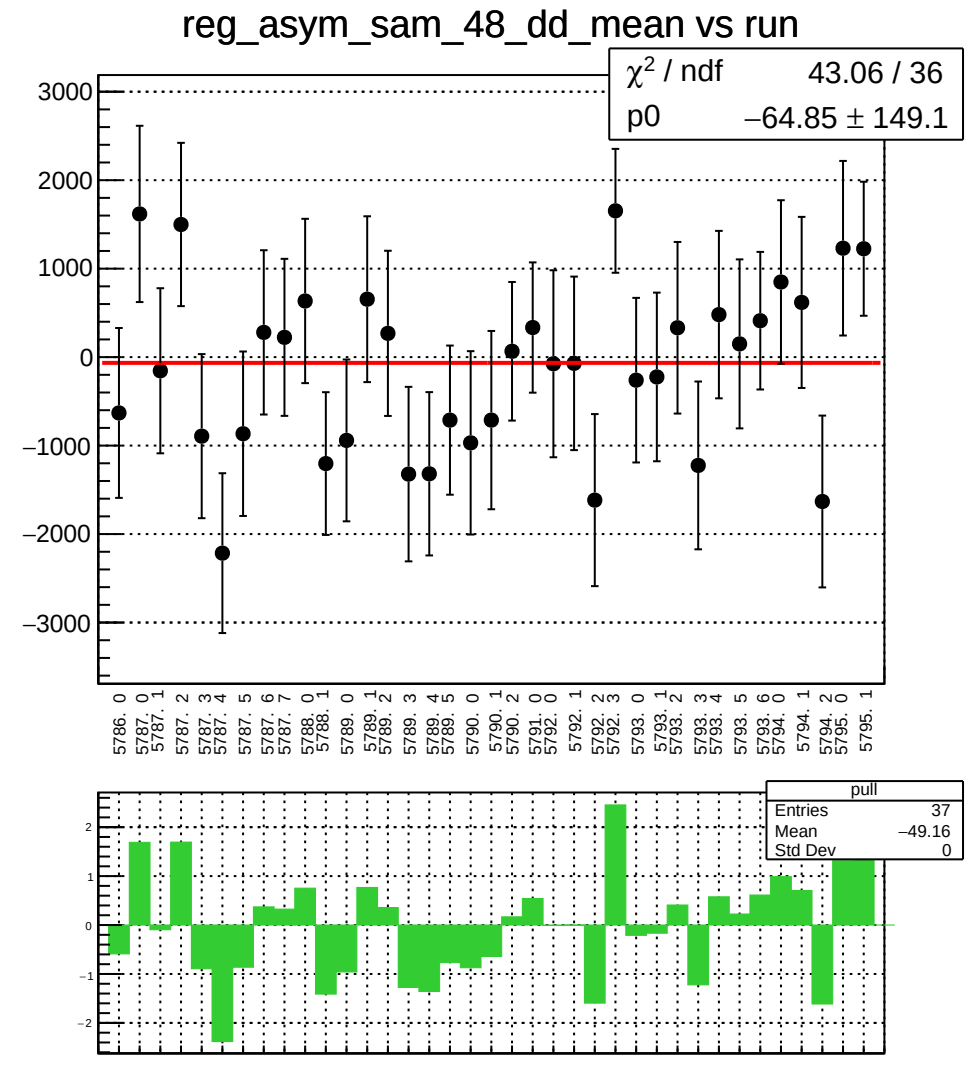

asym_sam_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.123e+04 / 36
p0 22.88 ± 0.02713
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

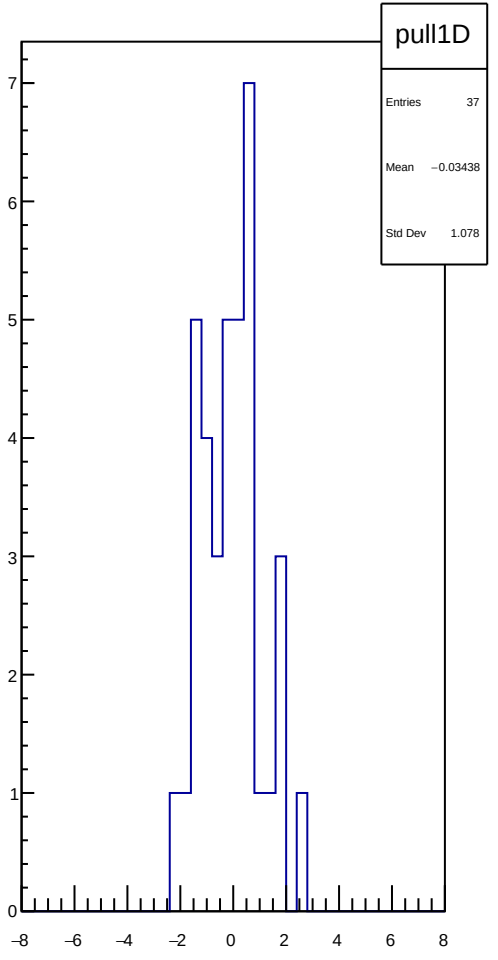

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 37.78 / 36
p0 −0.02677 ± 0.03836
pull
Entries 37
Mean −41.5
Std Dev 0
pull1D
Entries 37
Mean −0.02653
Std Dev 1.01

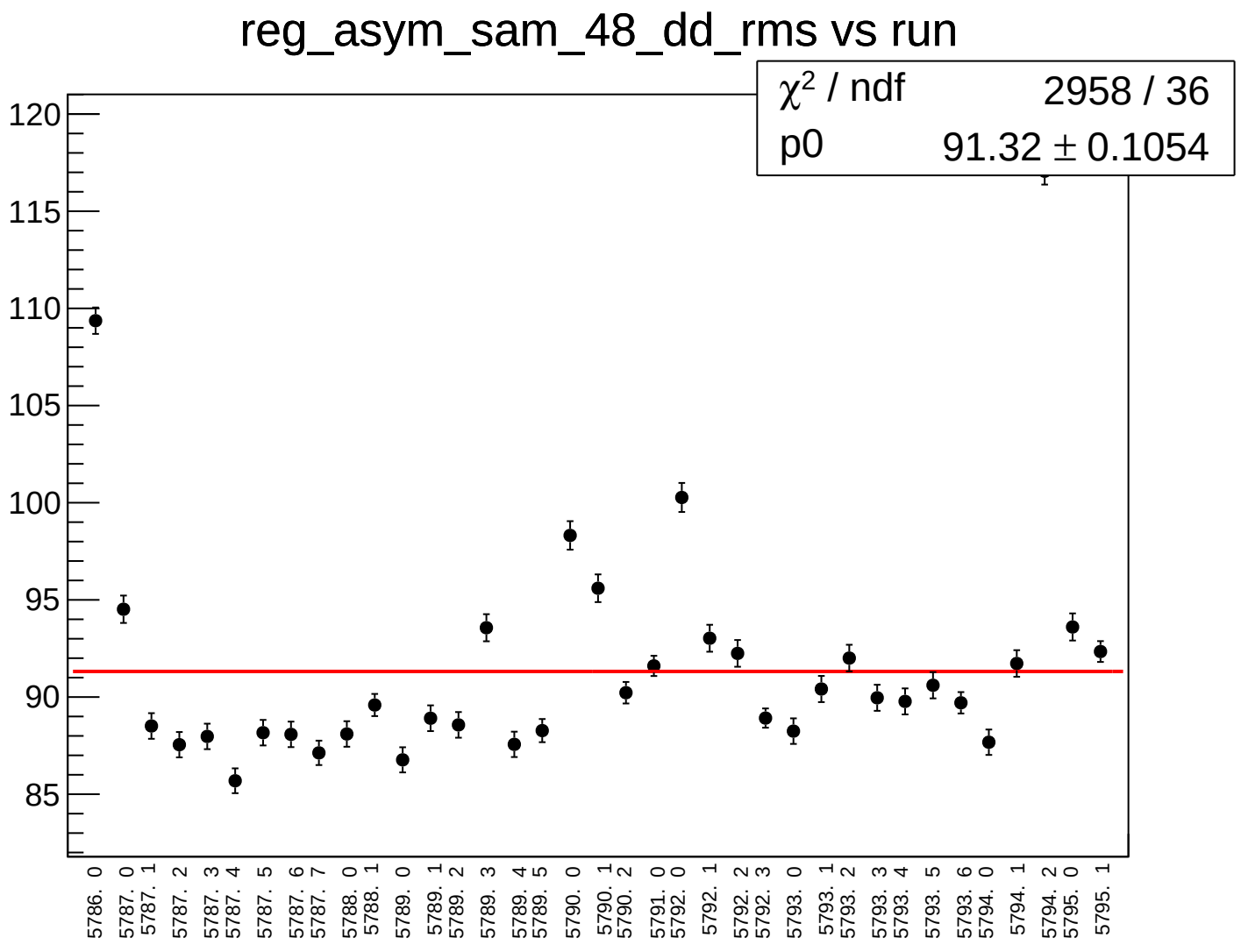

asym_sam_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.123e+04 / 36
p0 22.88 ± 0.02713
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

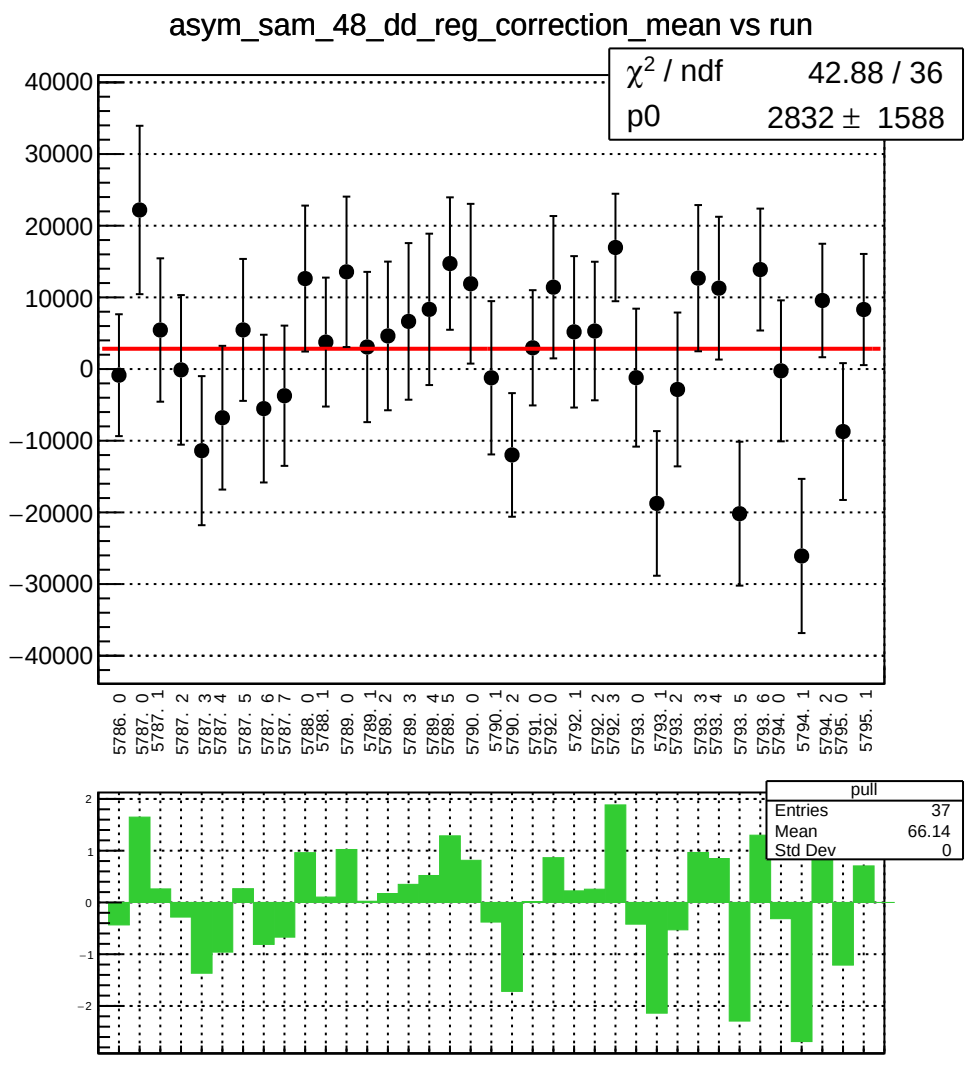

asym_sam_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 37.68 / 36
p0 −2.676e−14 ± 2.891e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 52.15
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03384
Std Dev 1.009
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

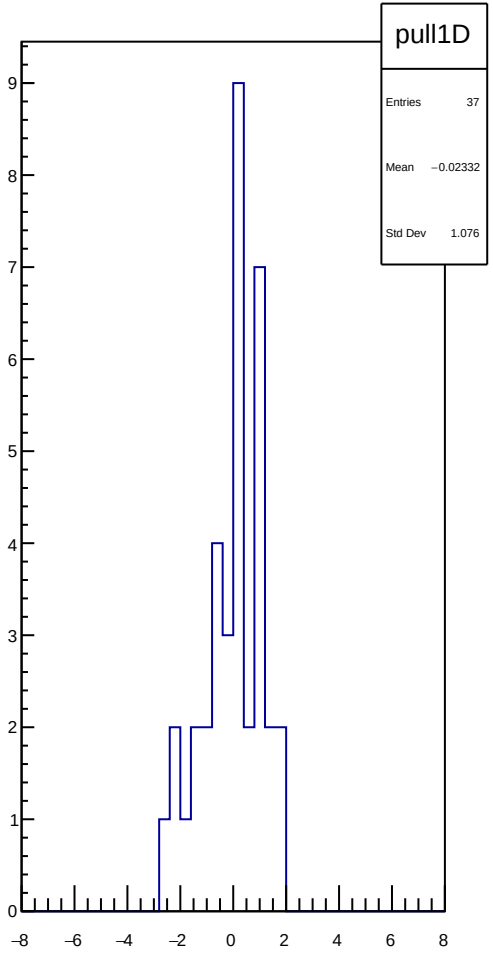

asym_sam_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10^−12
70
60
50
40
30
20
10
χ² / ndf 2.618e+05 / 36
p0 1.433e−11 ± 2.044e−14
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

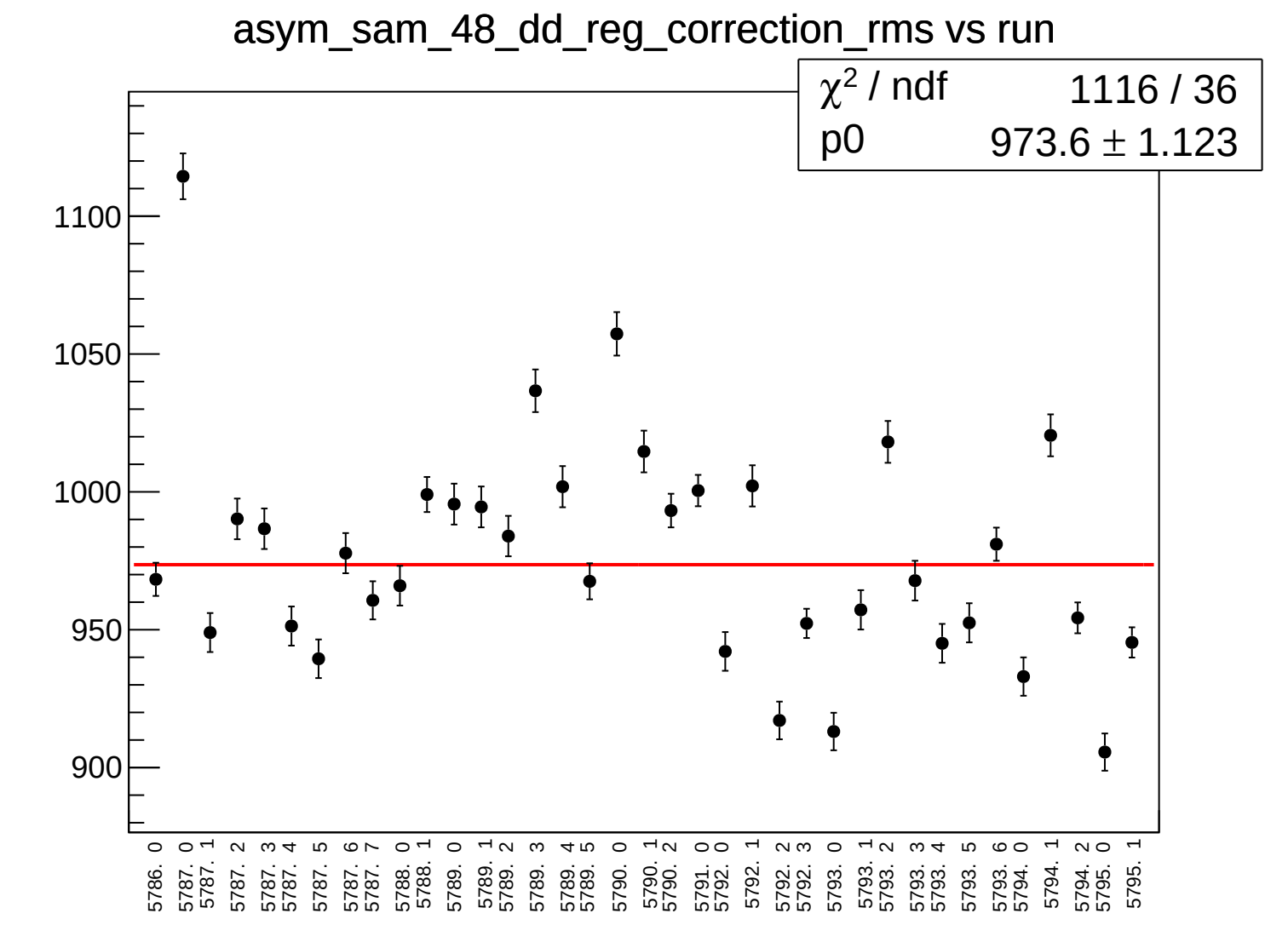

reg_asym_sam_48_dd_mean vs run
χ² / ndf 43.06 / 36
p0 −64.85 ± 149.1
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.16
Std Dev 0
2
1
0
−1
−2

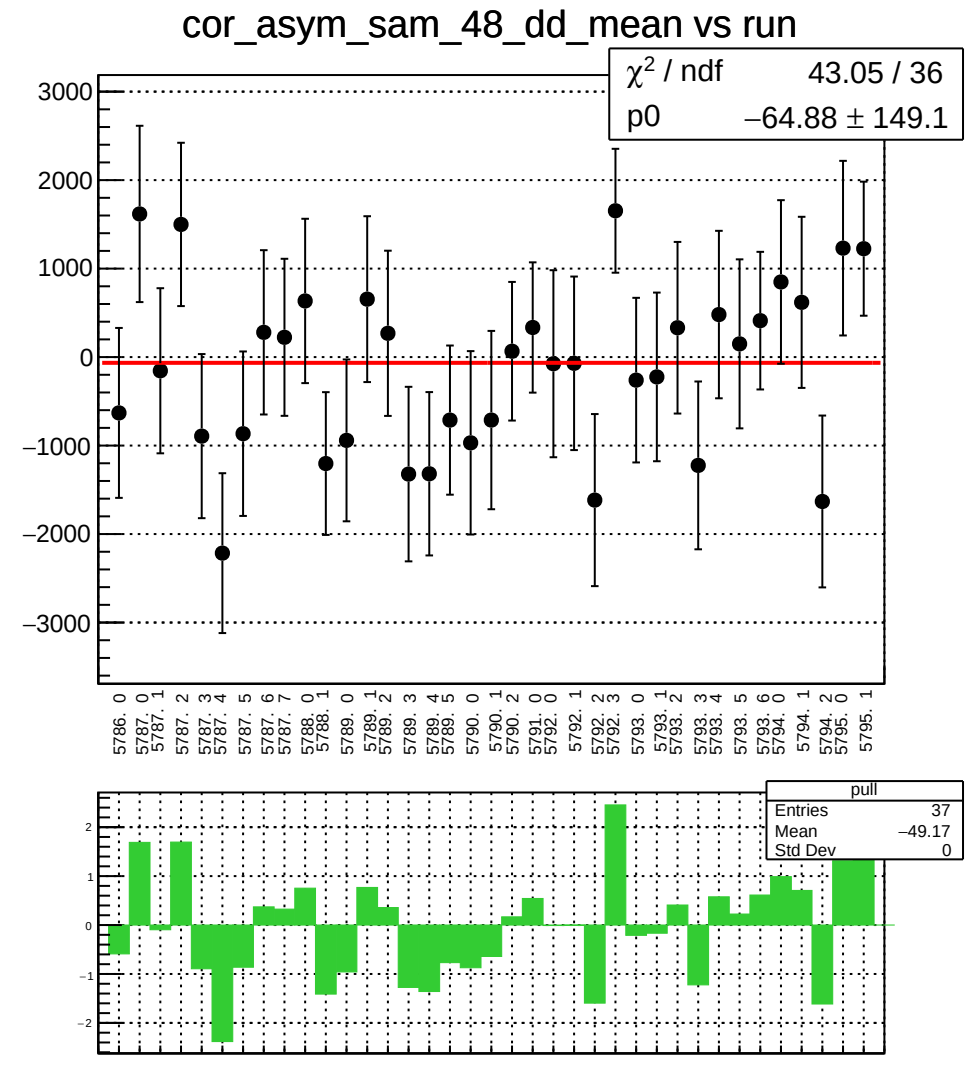

pull1D
Entries 37
Mean −0.03438
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

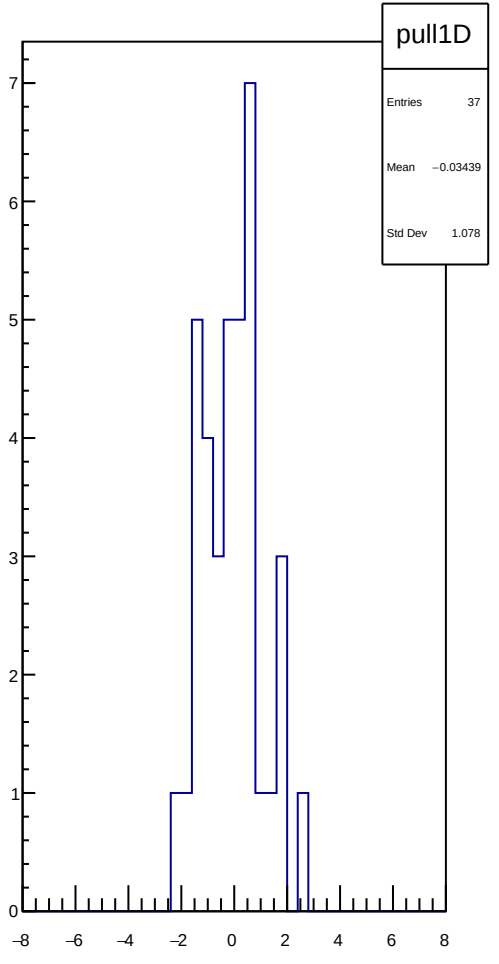

reg_asym_sam_48_dd_rms vs run
χ² / ndf 2958 / 36
p0 91.32 ± 0.1054
120
115
110
105
100
95
90
85
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

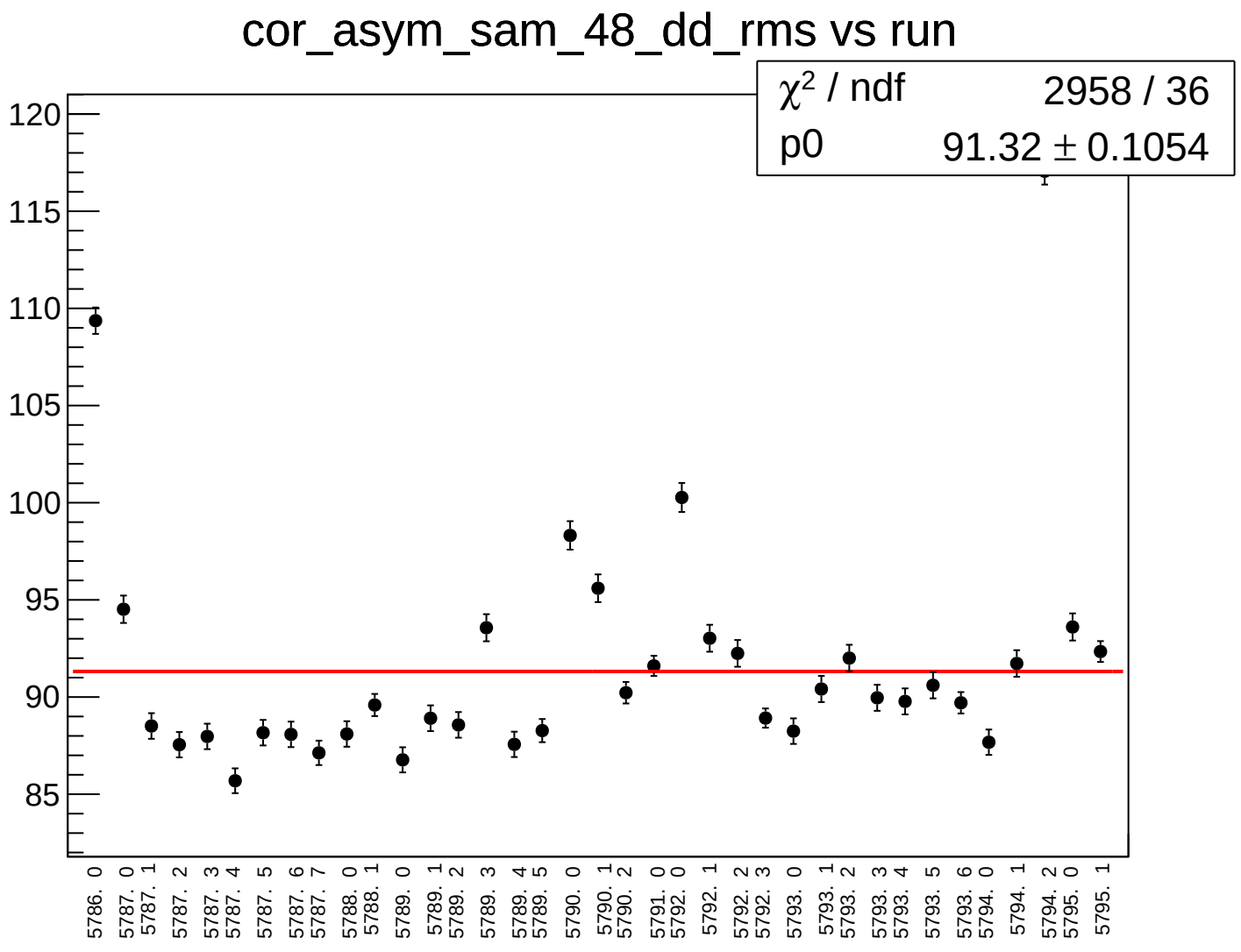

asym_sam_48_dd_reg_correction_mean vs run
χ² / ndf 42.88 / 36
p0 2832 ± 1588
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 66.14
Std Dev 0
2
1
0
−1
−2

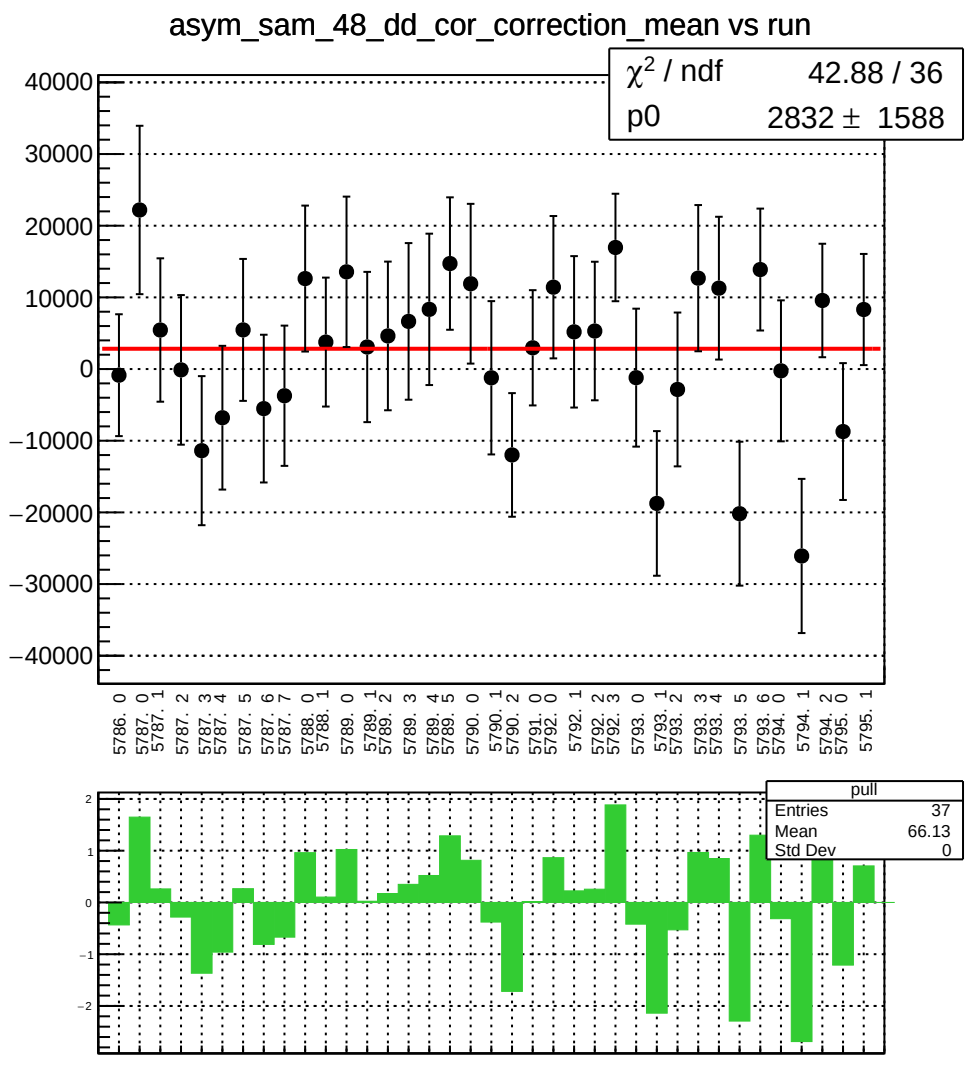

pull1D
Entries 37
Mean −0.02332
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

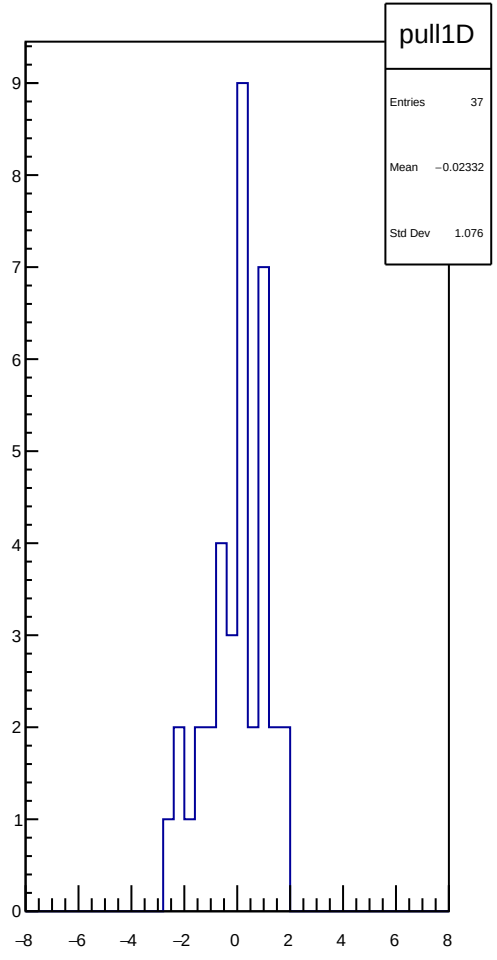

asym_sam_48_dd_reg_correction_rms vs run
χ² / ndf 1116 / 36
p0 973.6 ± 1.123
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

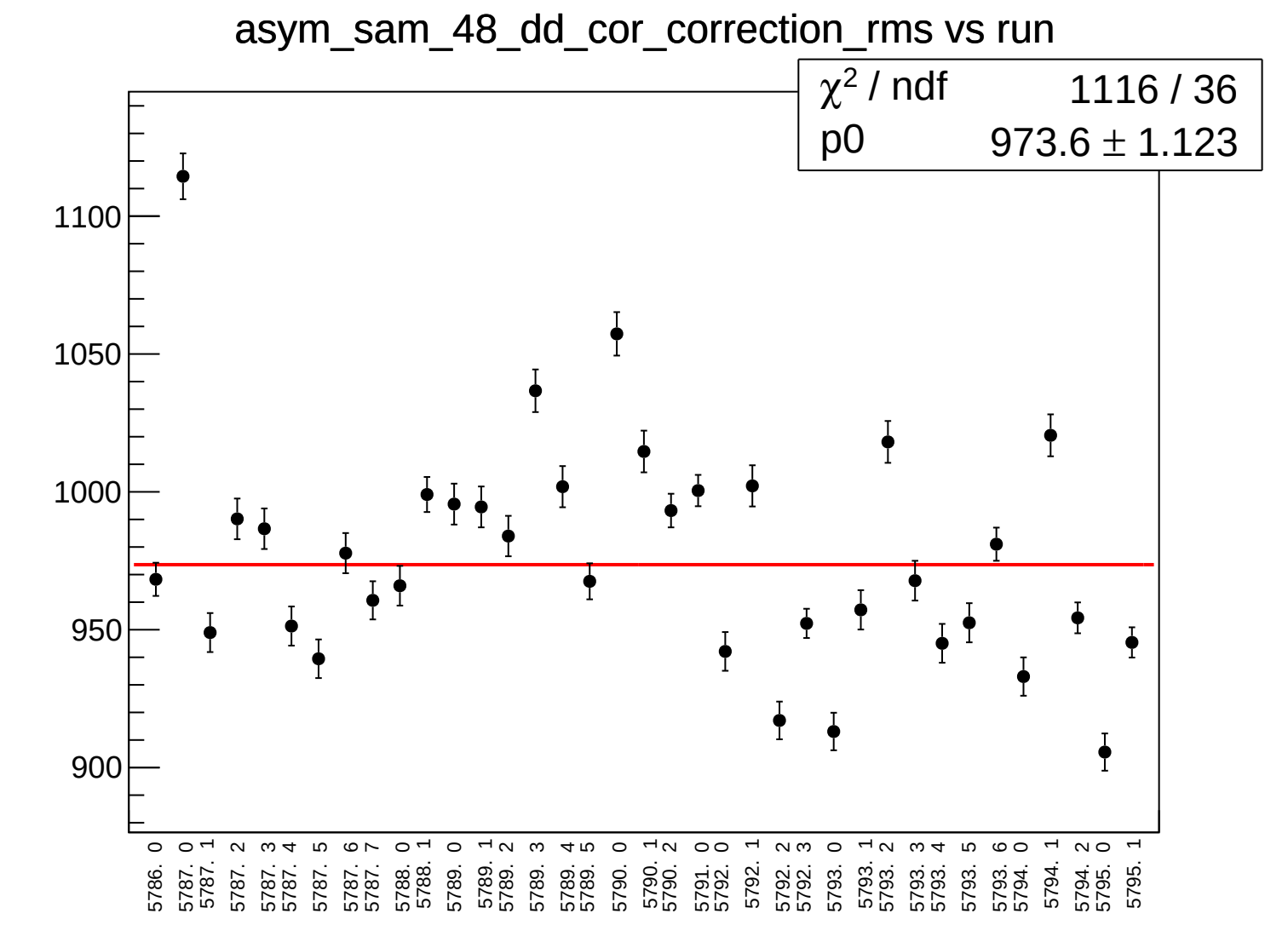

cor_asym_sam_48_dd_mean vs run
χ² / ndf 43.05 / 36
p0 −64.88 ± 149.1
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.17
Std Dev 0
2
1
0
−1
−2

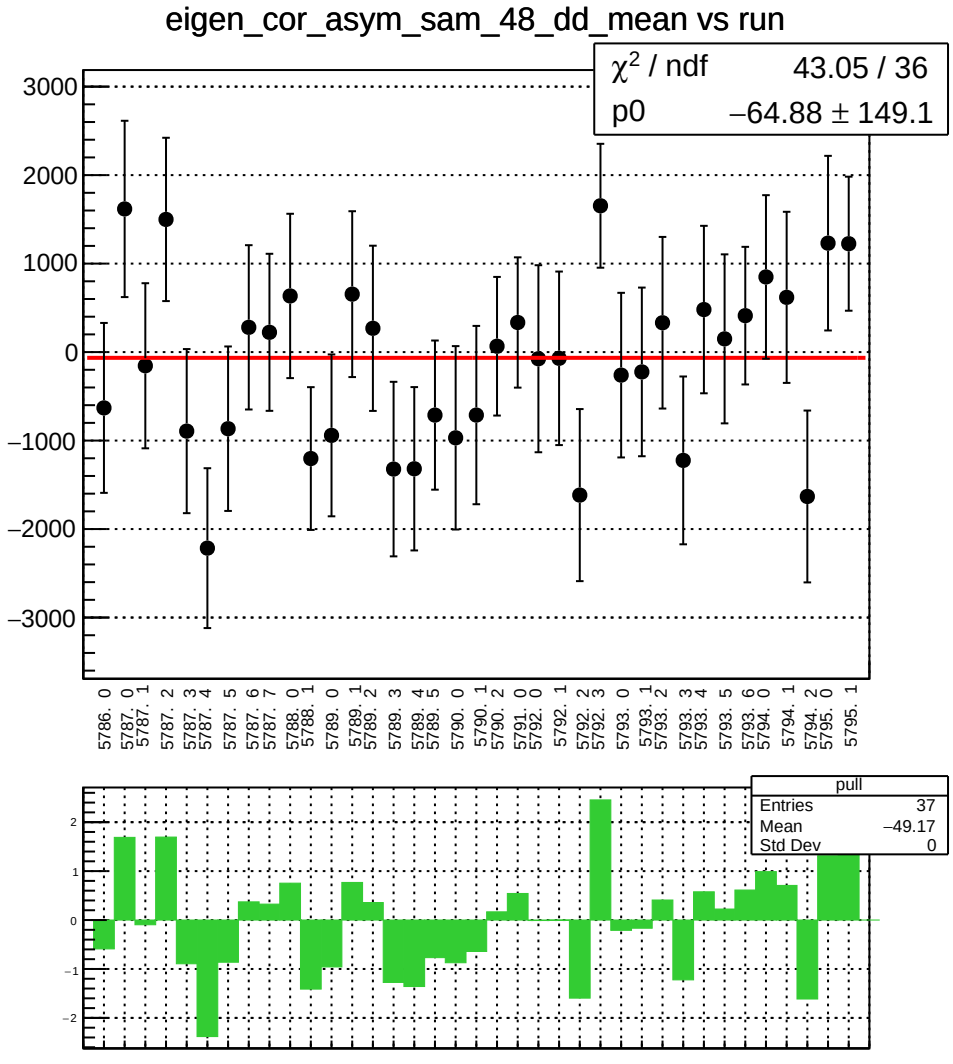

pull1D
Entries 37
Mean −0.03439
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

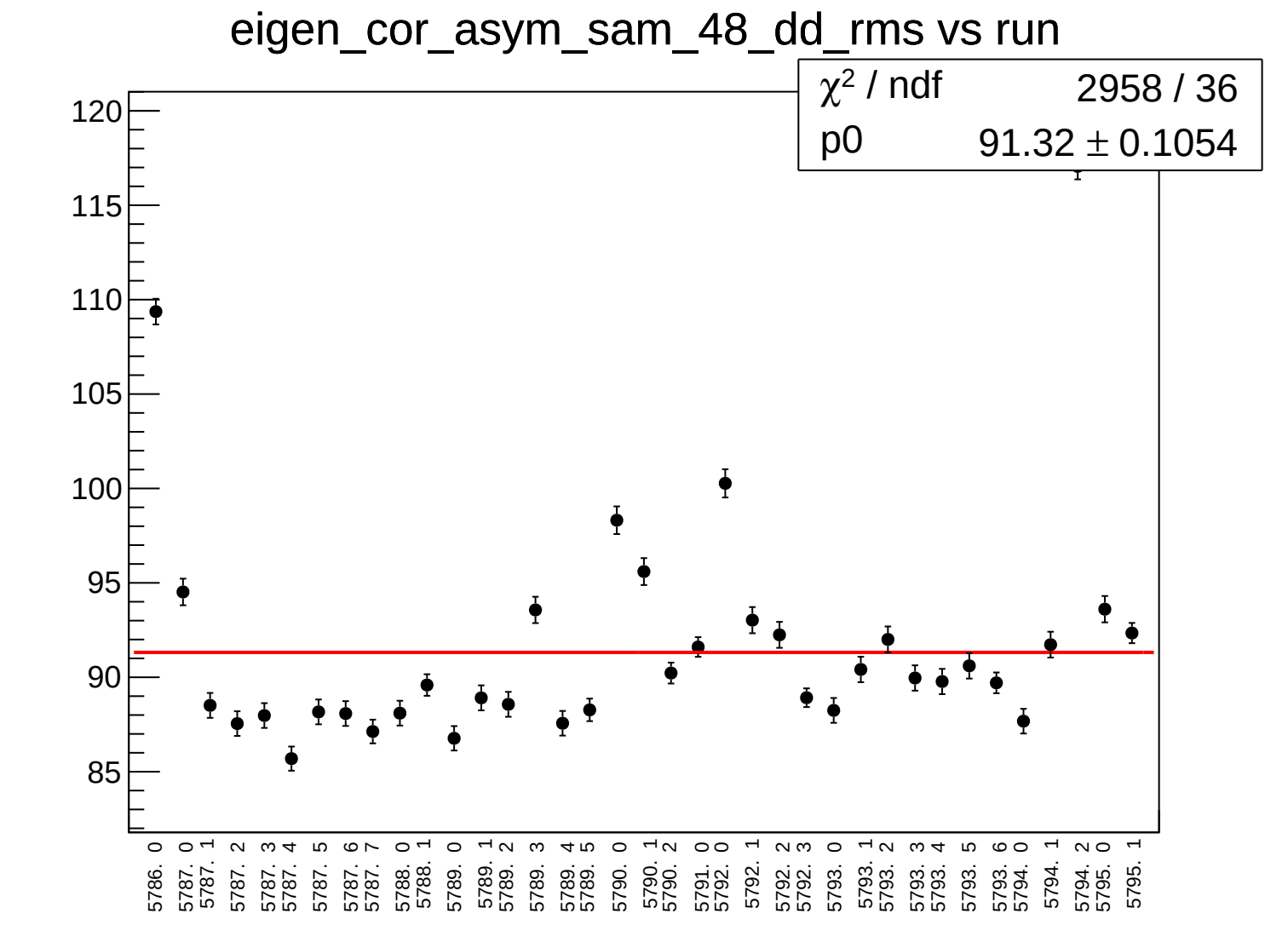

cor_asym_sam_48_dd_rms vs run
χ² / ndf 2958 / 36
p0 91.32 ± 0.1054
120
115
110
105
100
95
90
85
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

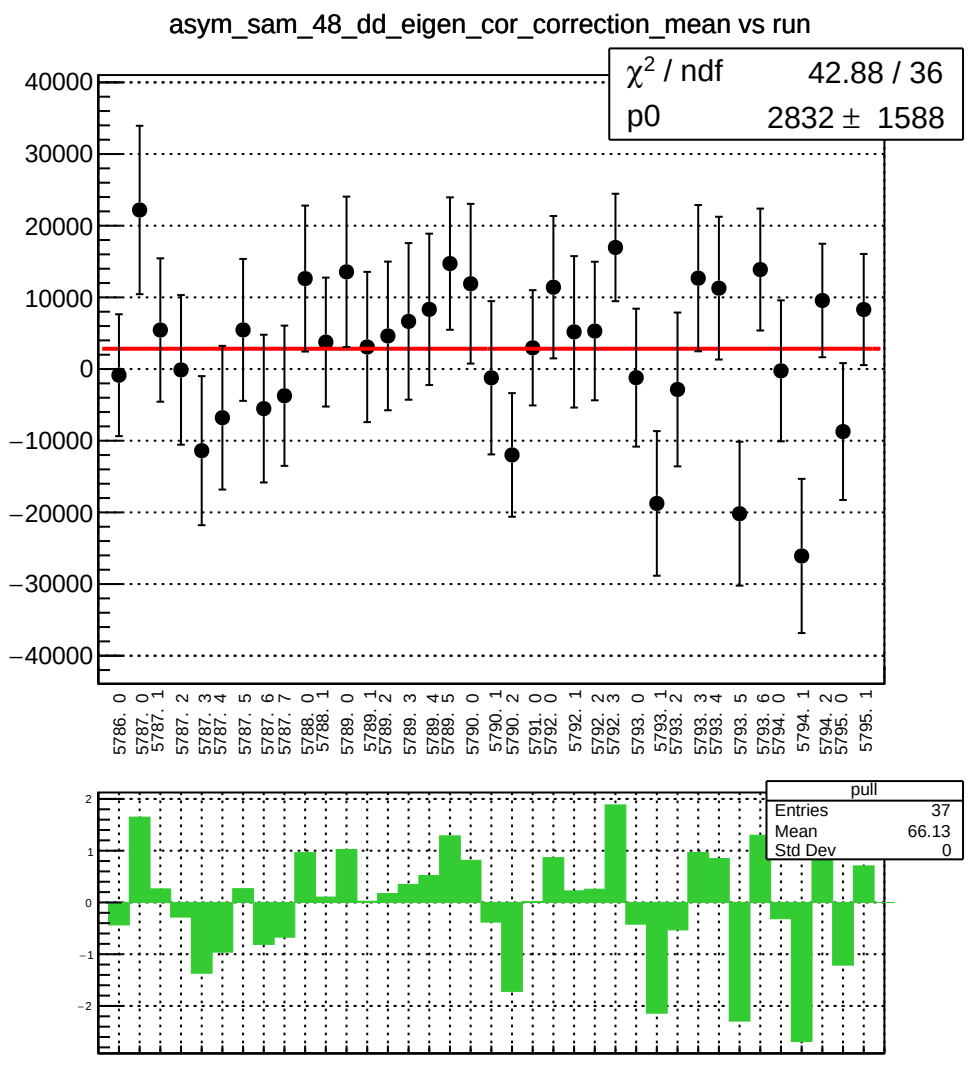

asym_sam_48_dd_cor_correction_mean vs run
χ² / ndf 42.88 / 36
p0 2832 ± 1588
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 66.13
Std Dev 0
2
1
0
−1
−2

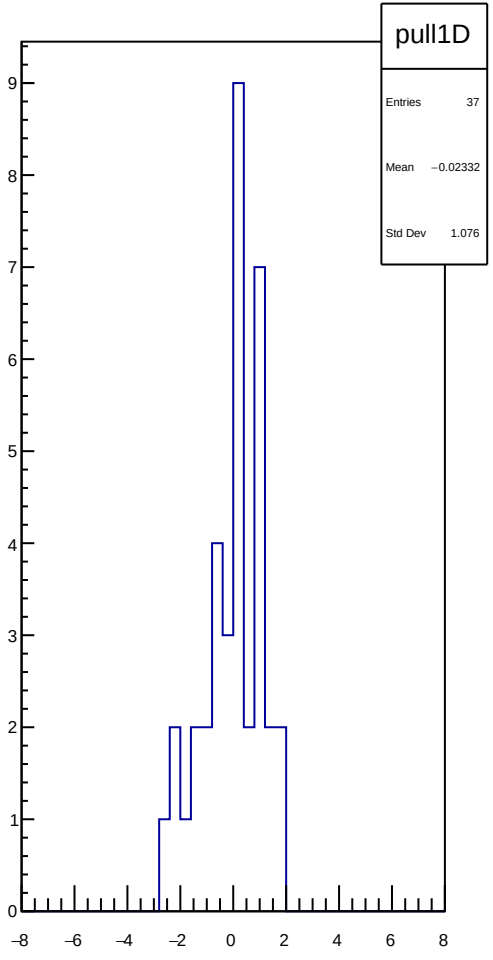

pull1D
Entries 37
Mean −0.02332
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

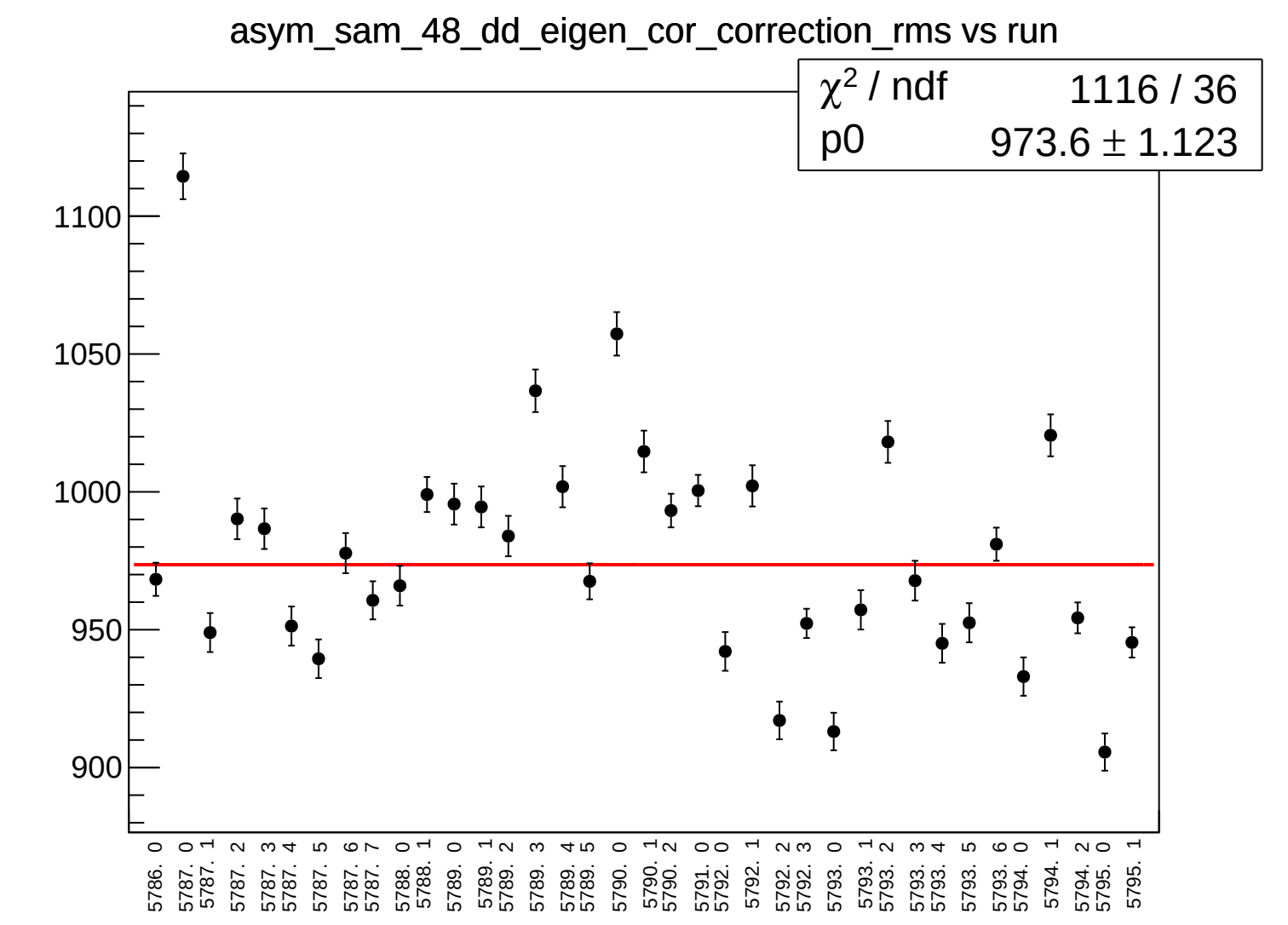

asym_sam_48_dd_cor_correction_rms vs run
χ² / ndf 1116 / 36
p0 973.6 ± 1.123
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

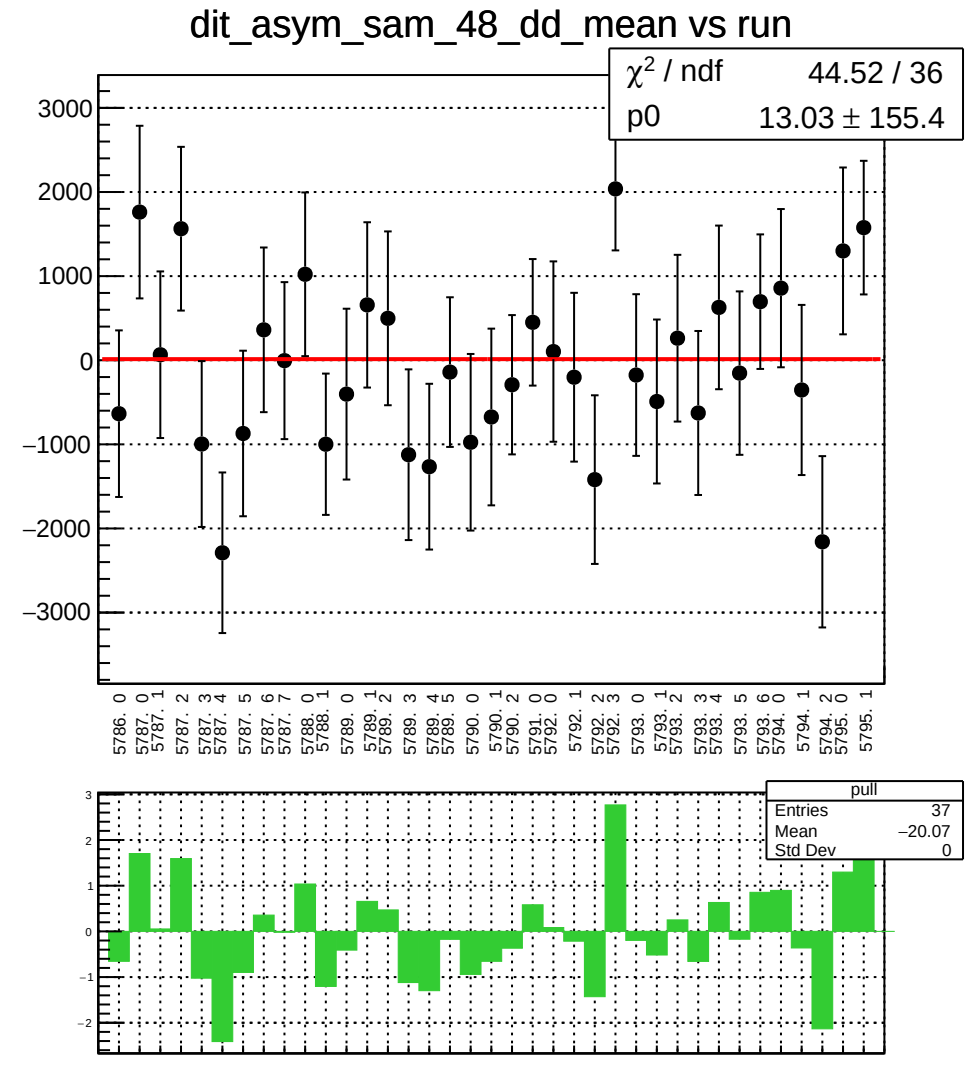

eigen_cor_asym_sam_48_dd_mean vs run
χ² / ndf 43.05 / 36
p0 −64.88 ± 149.1
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −49.17
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03439
Std Dev 1.078
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

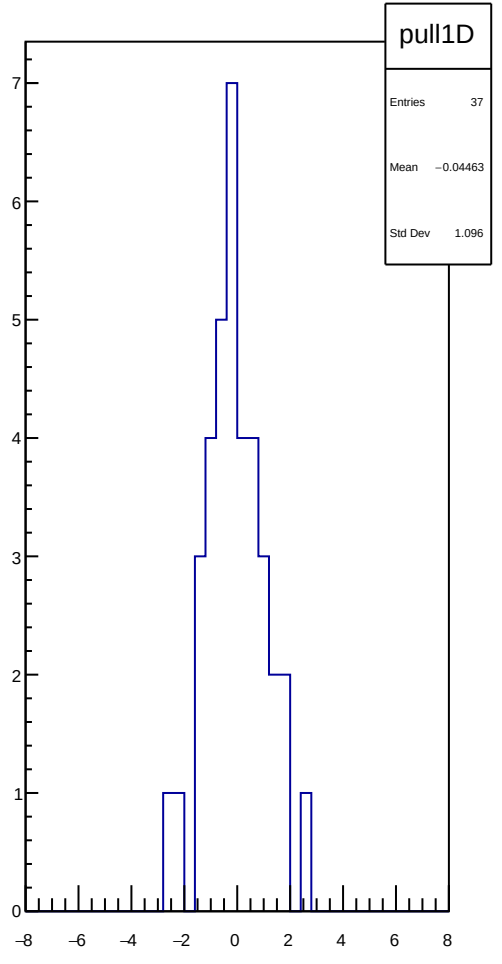

eigen_cor_asym_sam_48_dd_rms vs run
χ² / ndf 2958 / 36
p0 91.32 ± 0.1054
120
115
110
105
100
95
90
85
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

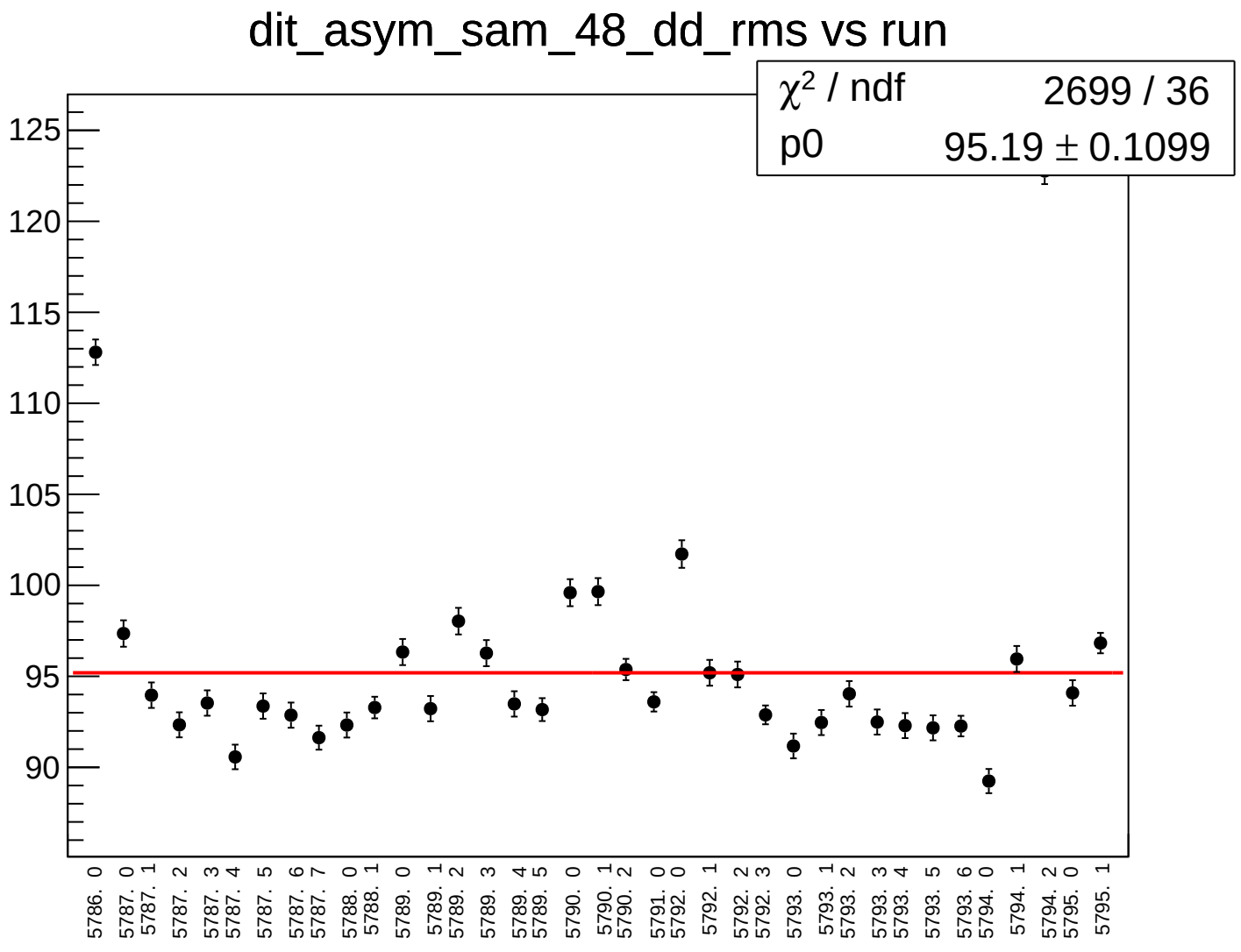

asym_sam_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 42.88 / 36
p0 2832 ± 1588
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 66.13
Std Dev 0
2
1
0
−1
−2

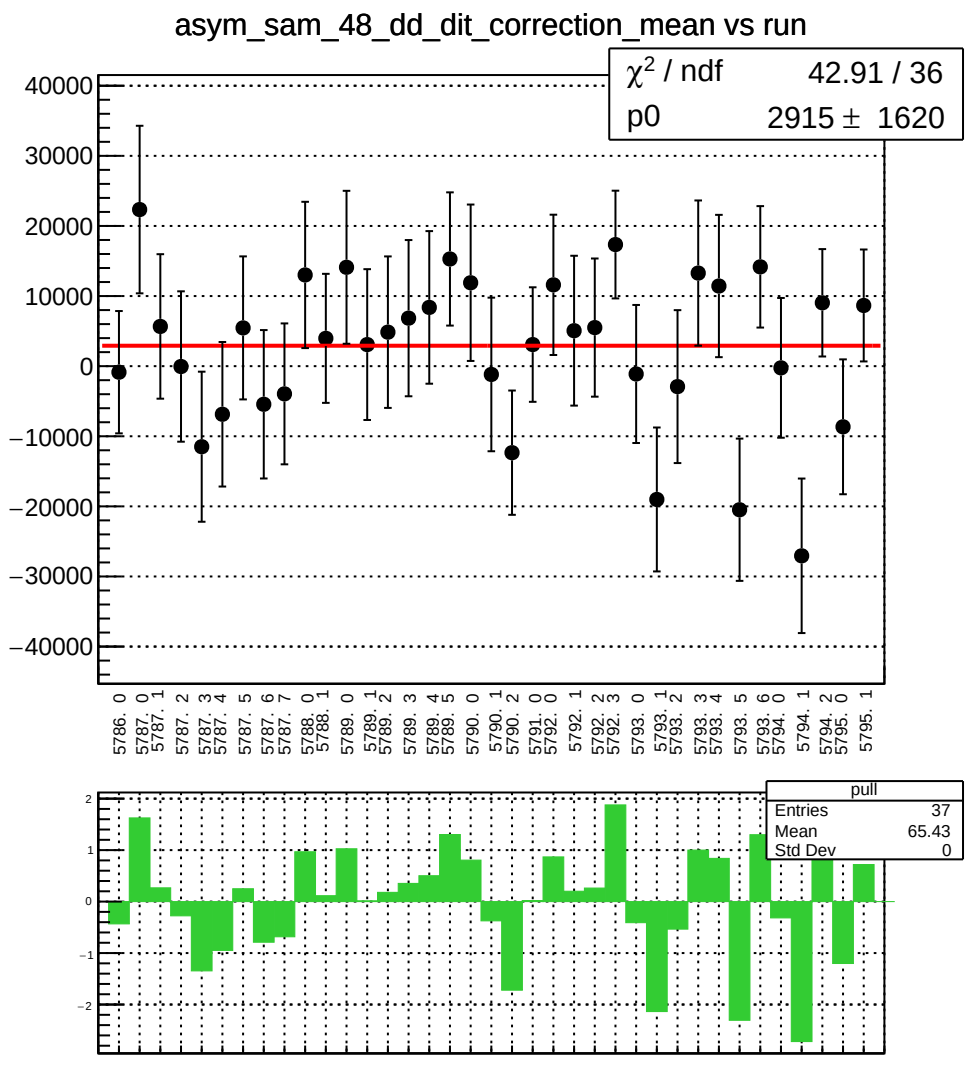

pull1D
Entries 37
Mean −0.02332
Std Dev 1.076
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

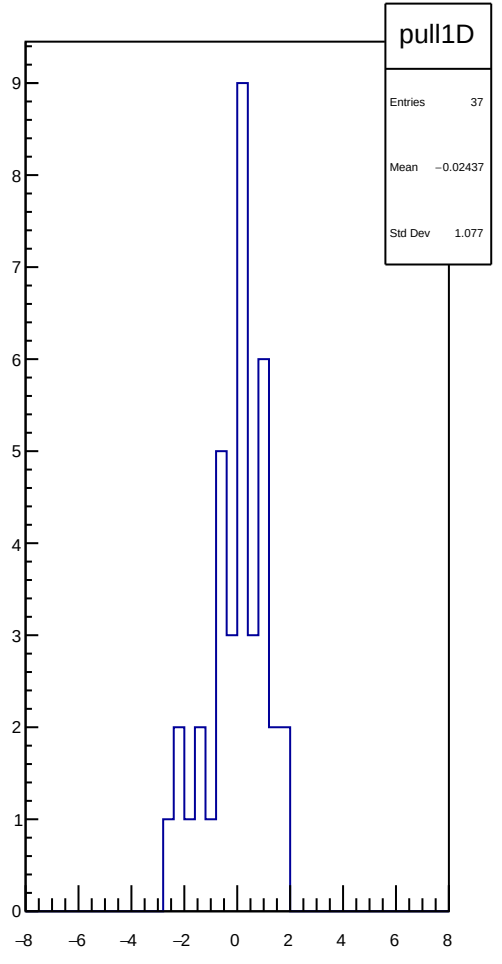

asym_sam_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1116 / 36
p0 973.6 ± 1.123
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

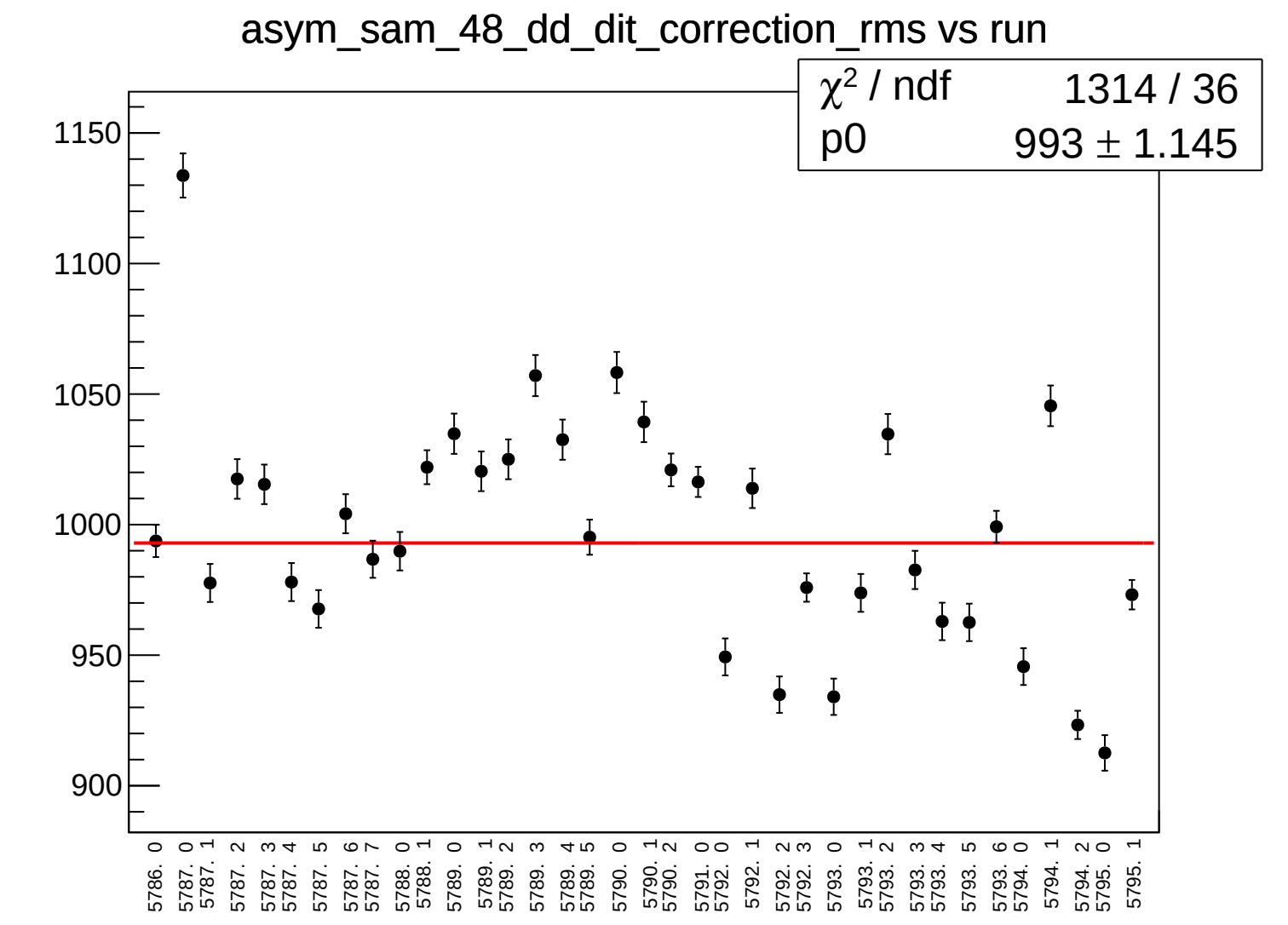

dit_asym_sam_48_dd_mean vs run
χ² / ndf 44.52 / 36
p0 13.03 ± 155.4
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.07
Std Dev 0
3
2
1
0
−1
−2

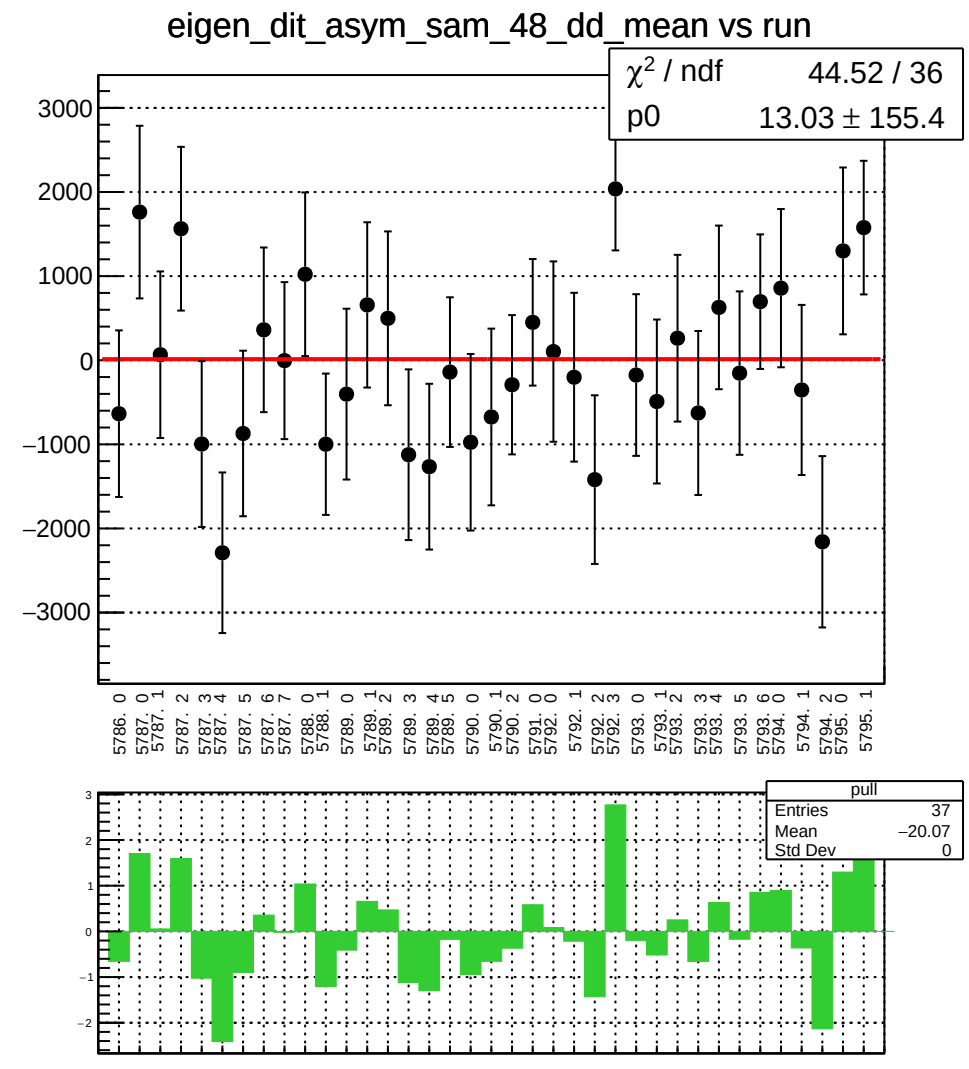

pull1D
Entries 37
Mean −0.04463
Std Dev 1.096
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

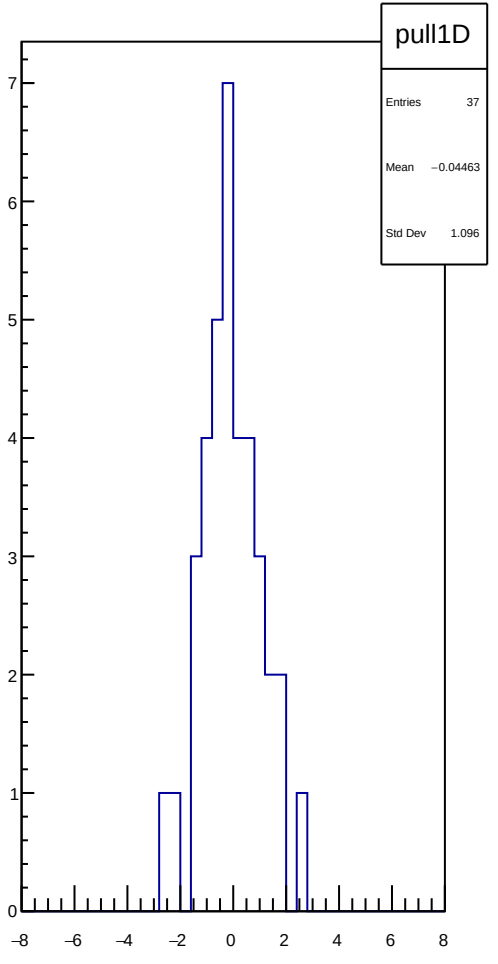

dit_asym_sam_48_dd_rms vs run
χ² / ndf 2699 / 36
p0 95.19 ± 0.1099
125
120
115
110
105
100
95
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

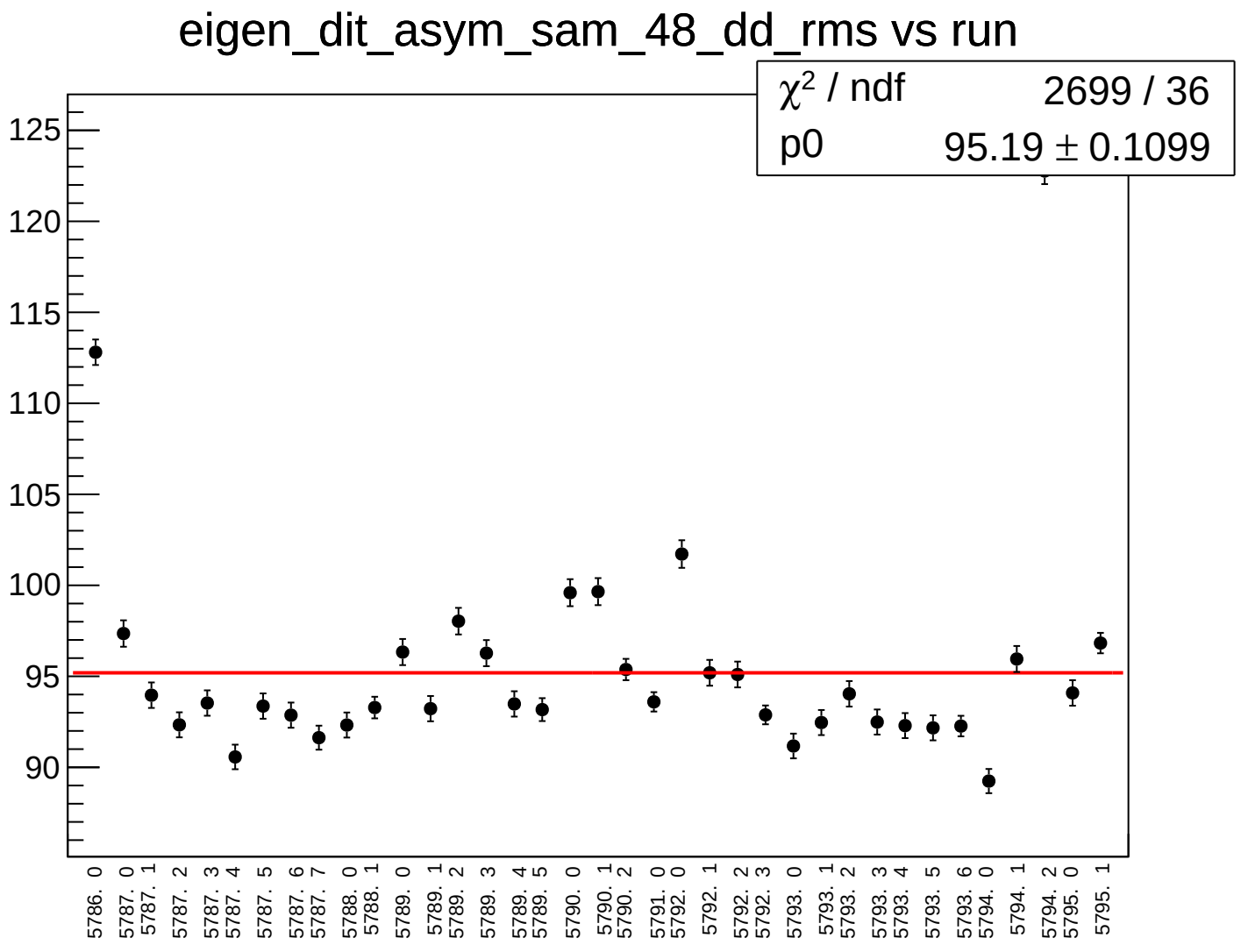

asym_sam_48_dd_dit_correction_mean vs run
χ² / ndf 42.91 / 36
p0 2915 ± 1620
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.43
Std Dev 0
2
1
0
−1
−2

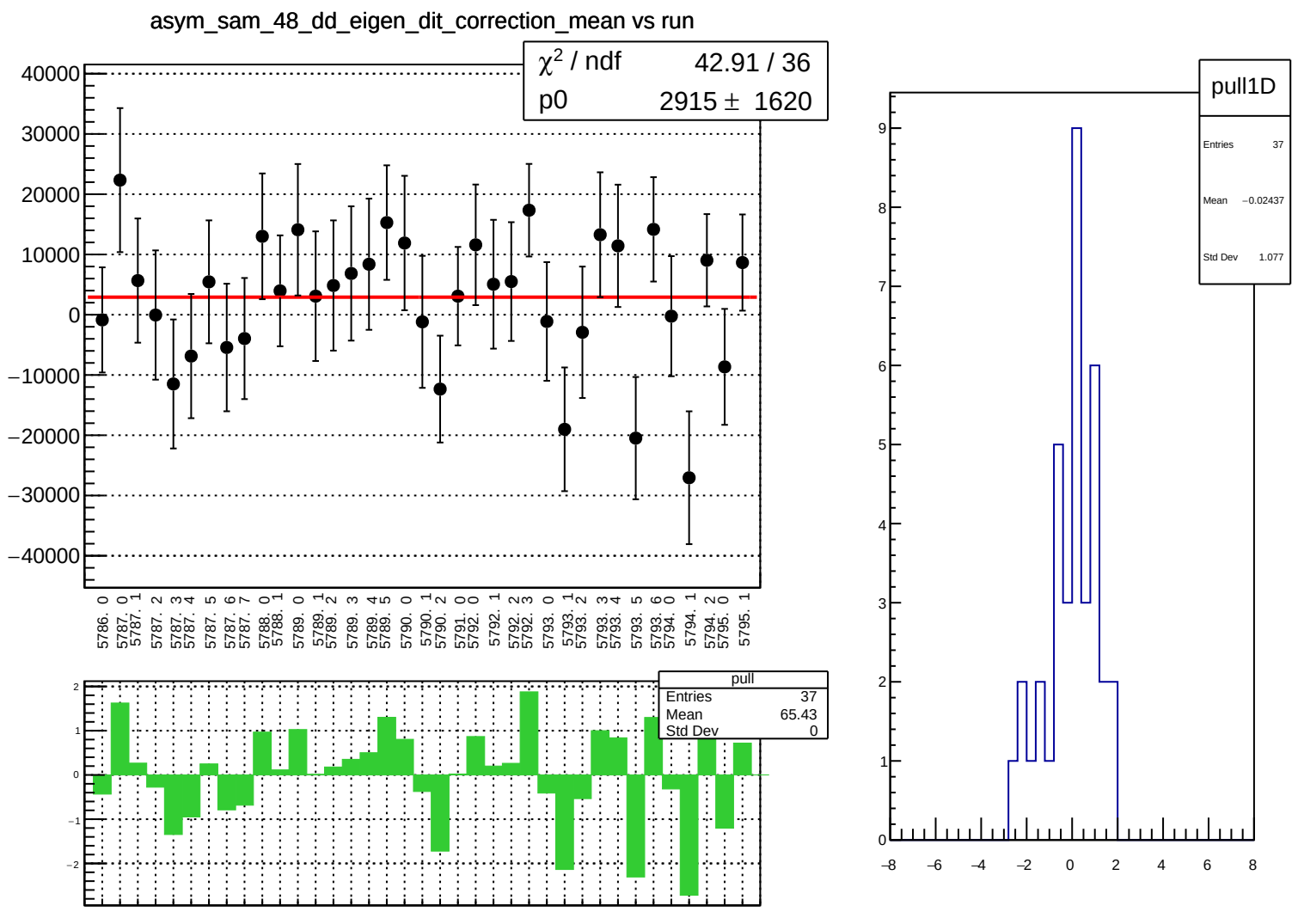

pull1D
Entries 37
Mean −0.02437
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

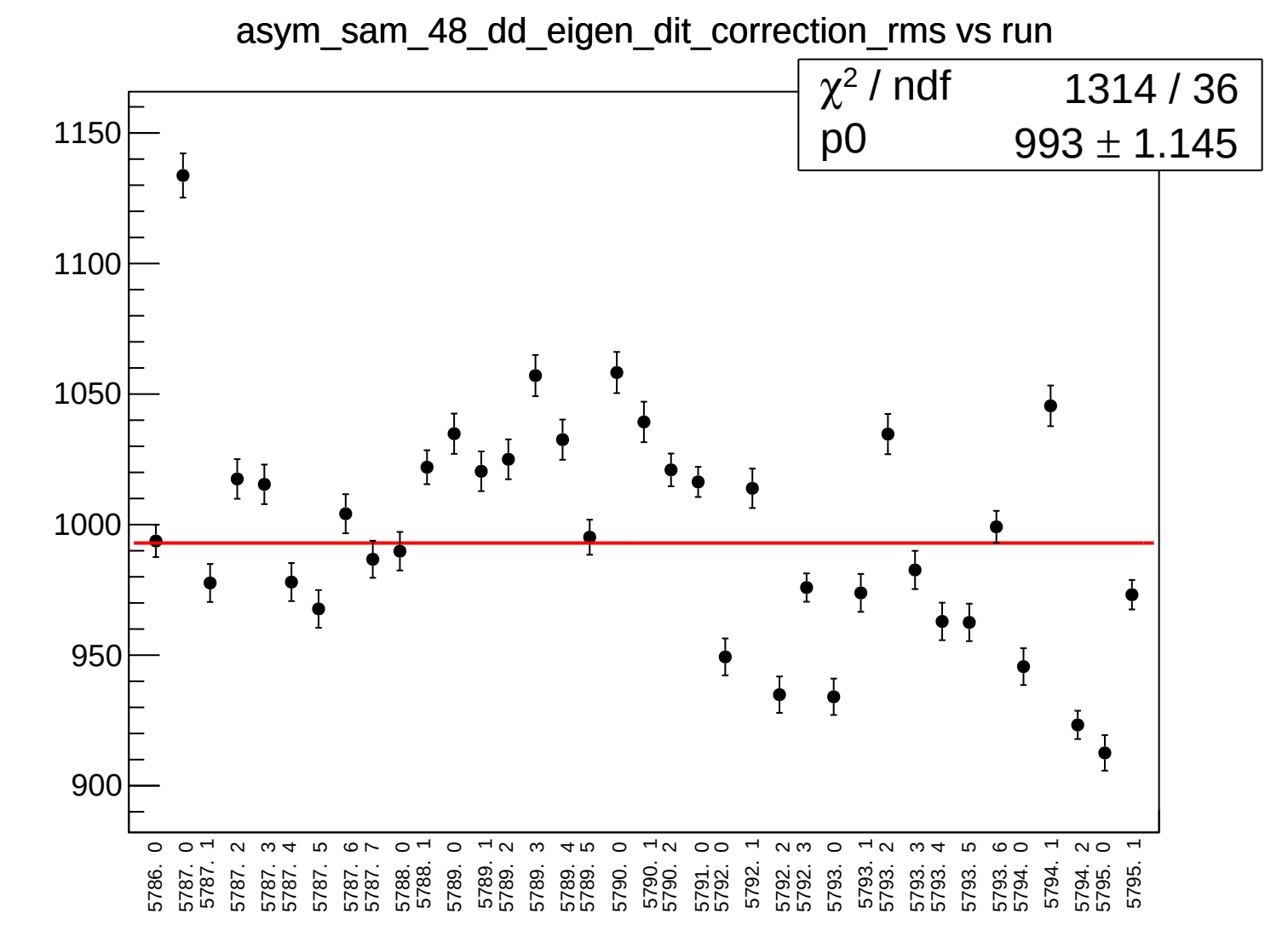

asym_sam_48_dd_dit_correction_rms vs run
χ² / ndf 1314 / 36
p0 993 ± 1.145
1150
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

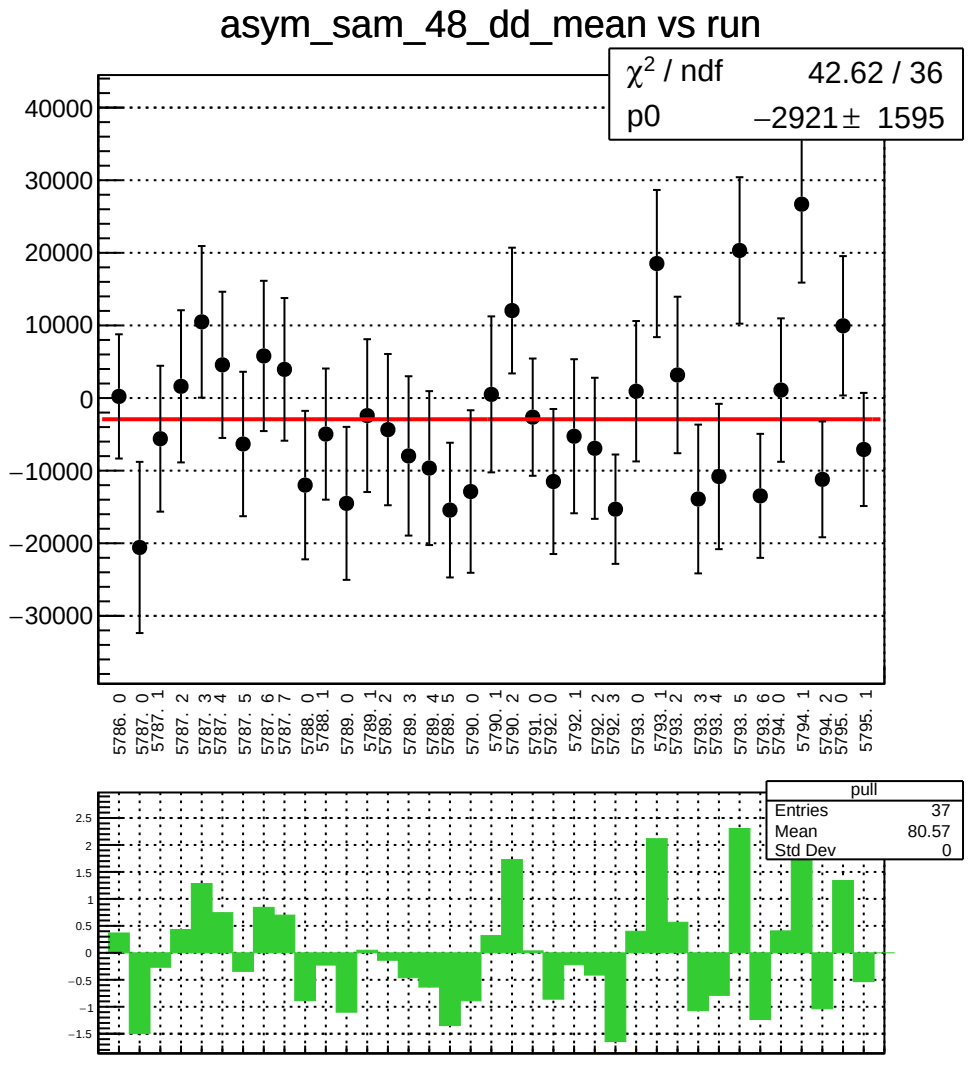

eigen_dit_asym_sam_48_dd_mean vs run
χ² / ndf 44.52 / 36
p0 13.03 ± 155.4
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.07
Std Dev 0
3
2
1
0
−1
−2

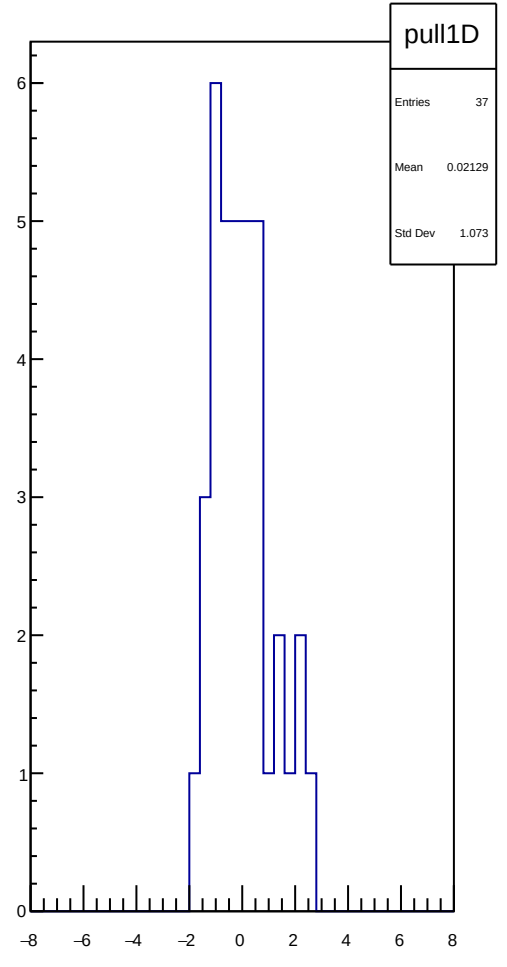

pull1D
Entries 37
Mean −0.04463
Std Dev 1.096
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

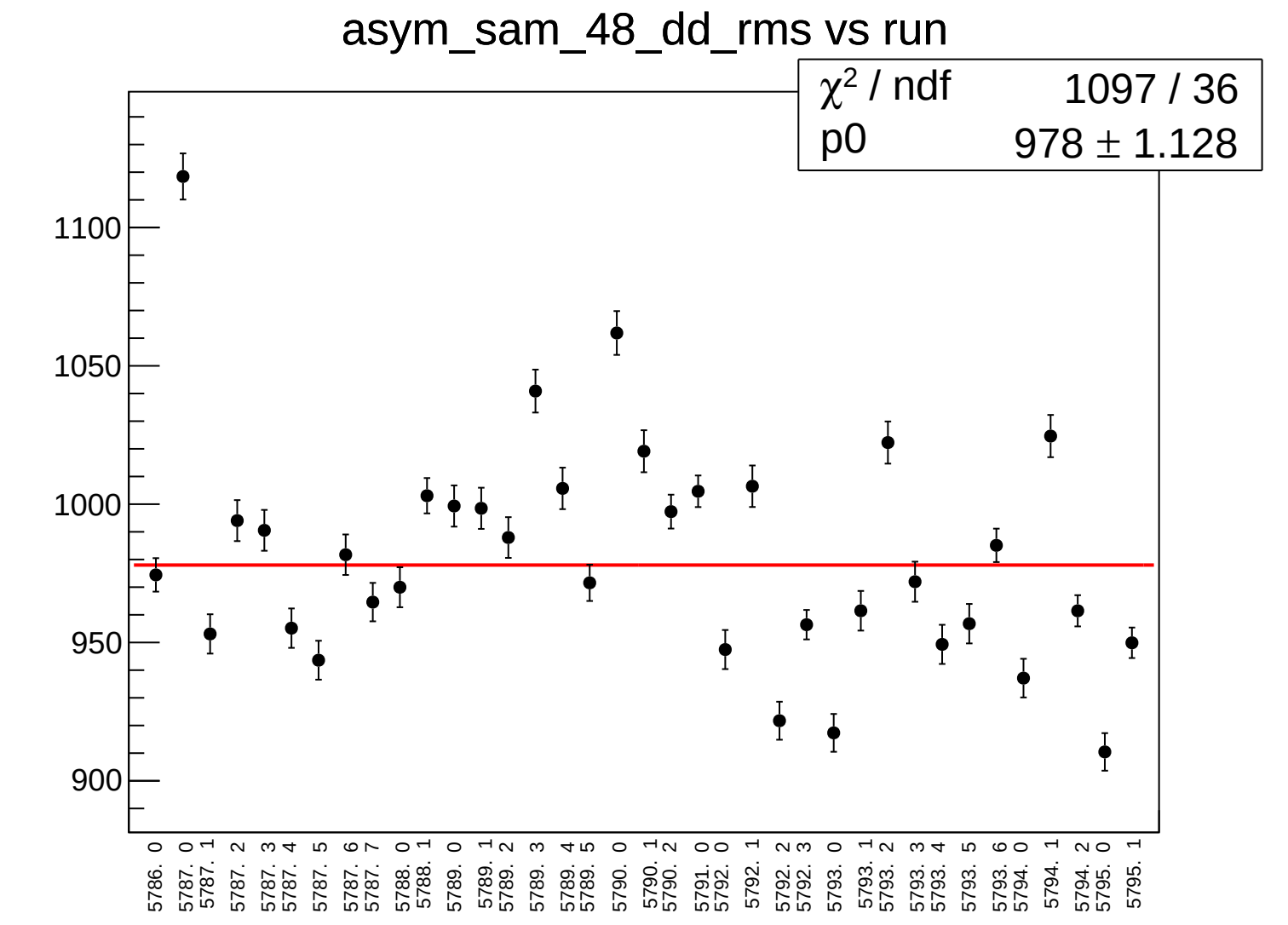

eigen_dit_asym_sam_48_dd_rms vs run
χ² / ndf 2699 / 36
p0 95.19 ± 0.1099
125
120
115
110
105
100
95
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

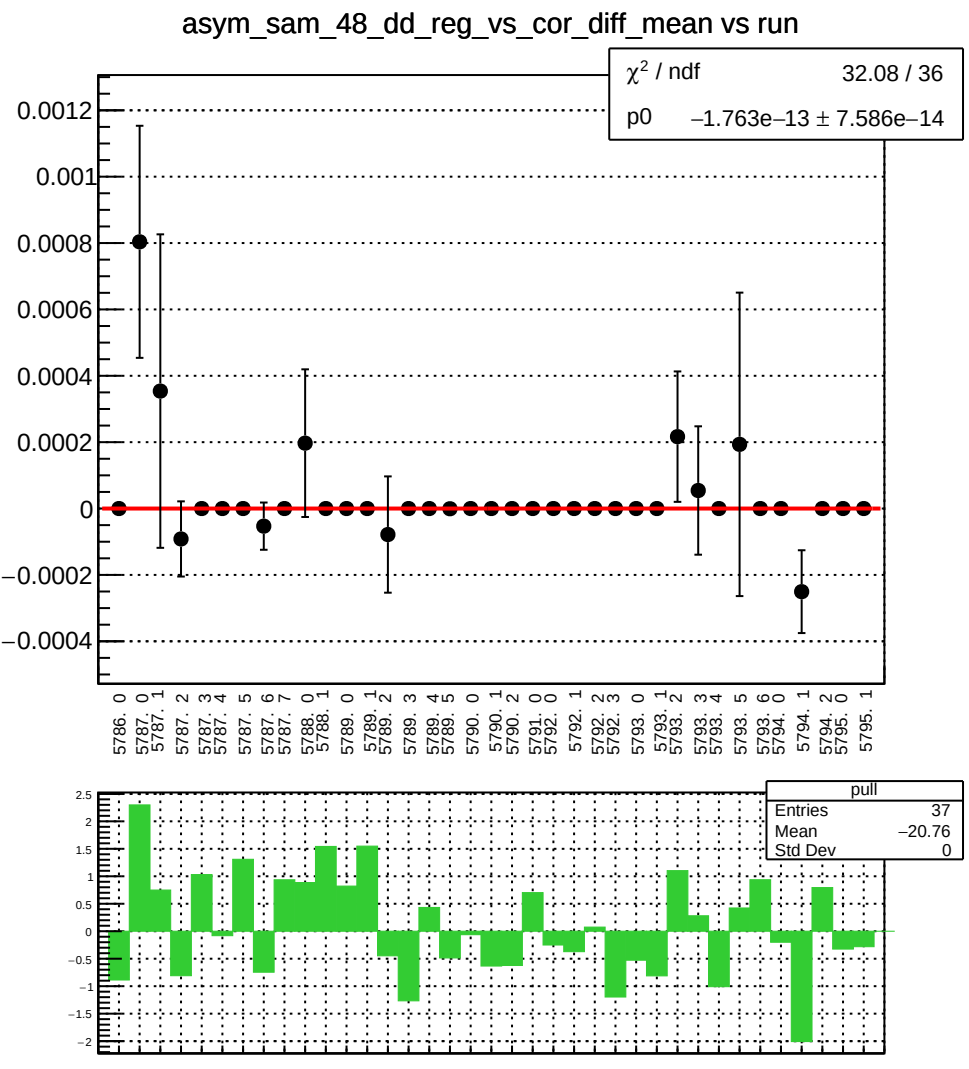

asym_sam_48_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 42.91 / 36
p0 2915 ± 1620
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.43
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02437
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

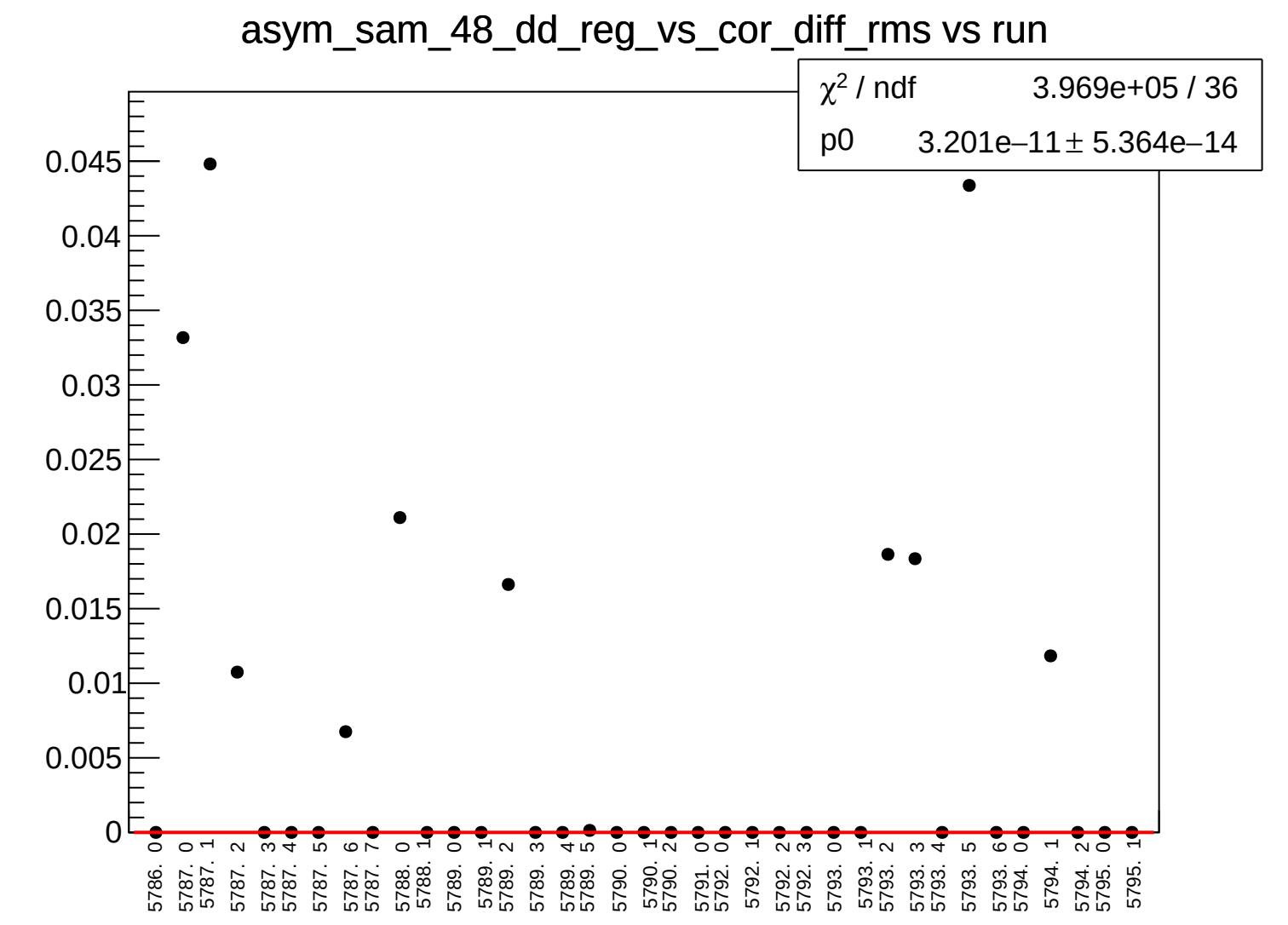

asym_sam_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1314 / 36
p0 993 ± 1.145
1150
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

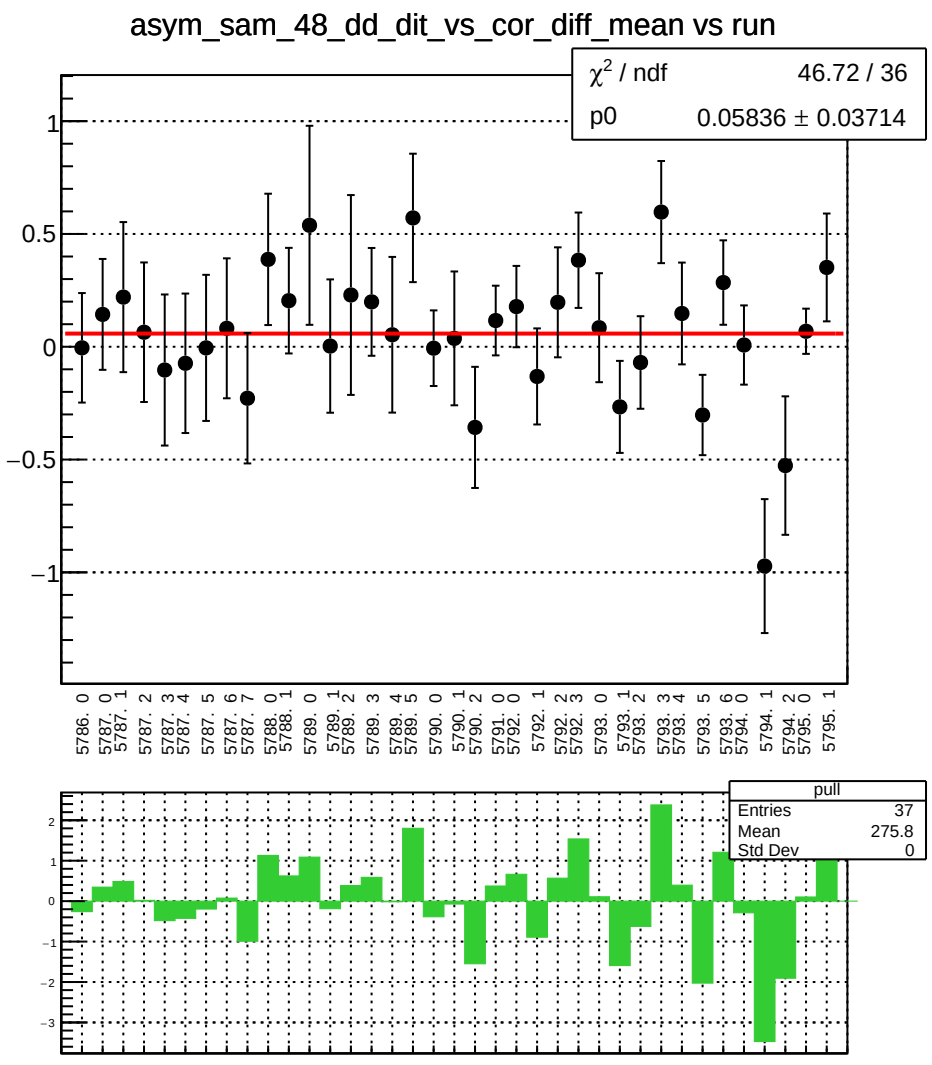

asym_sam_48_dd_mean vs run
χ² / ndf 42.62 / 36
p0 −2921 ± 1595
40000
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.57
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

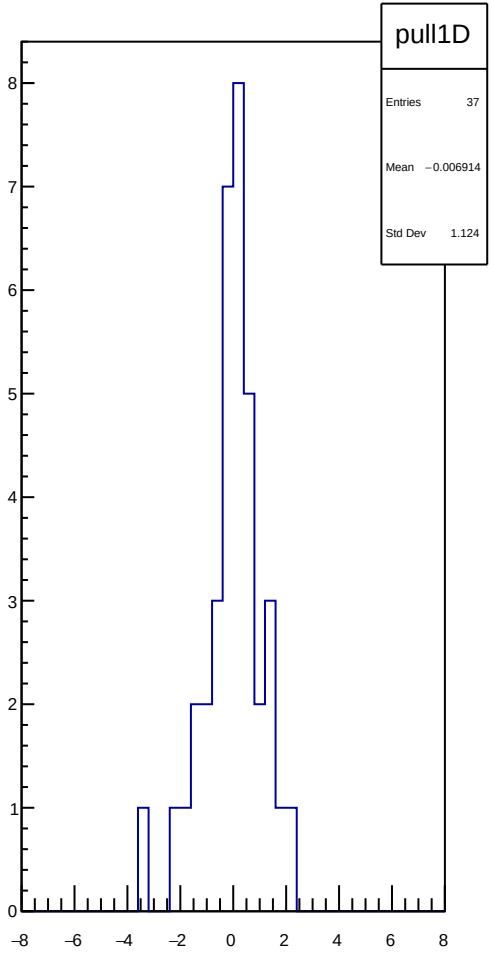

pull1D
Entries 37
Mean 0.02129
Std Dev 1.073
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

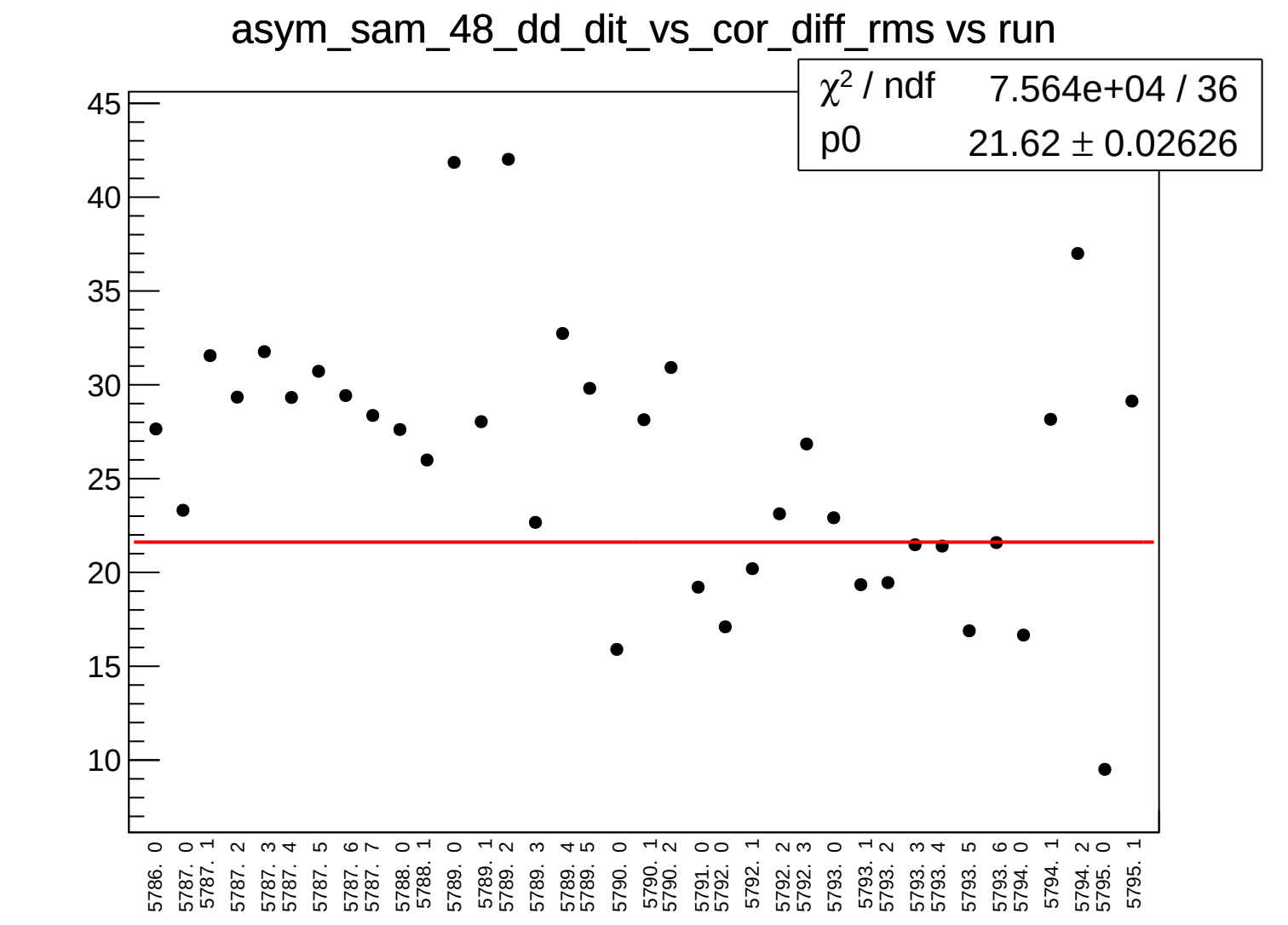

asym_sam_48_dd_rms vs run
χ² / ndf 1097 / 36
p0 978 ± 1.128
1100
1050
1000
950
900
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

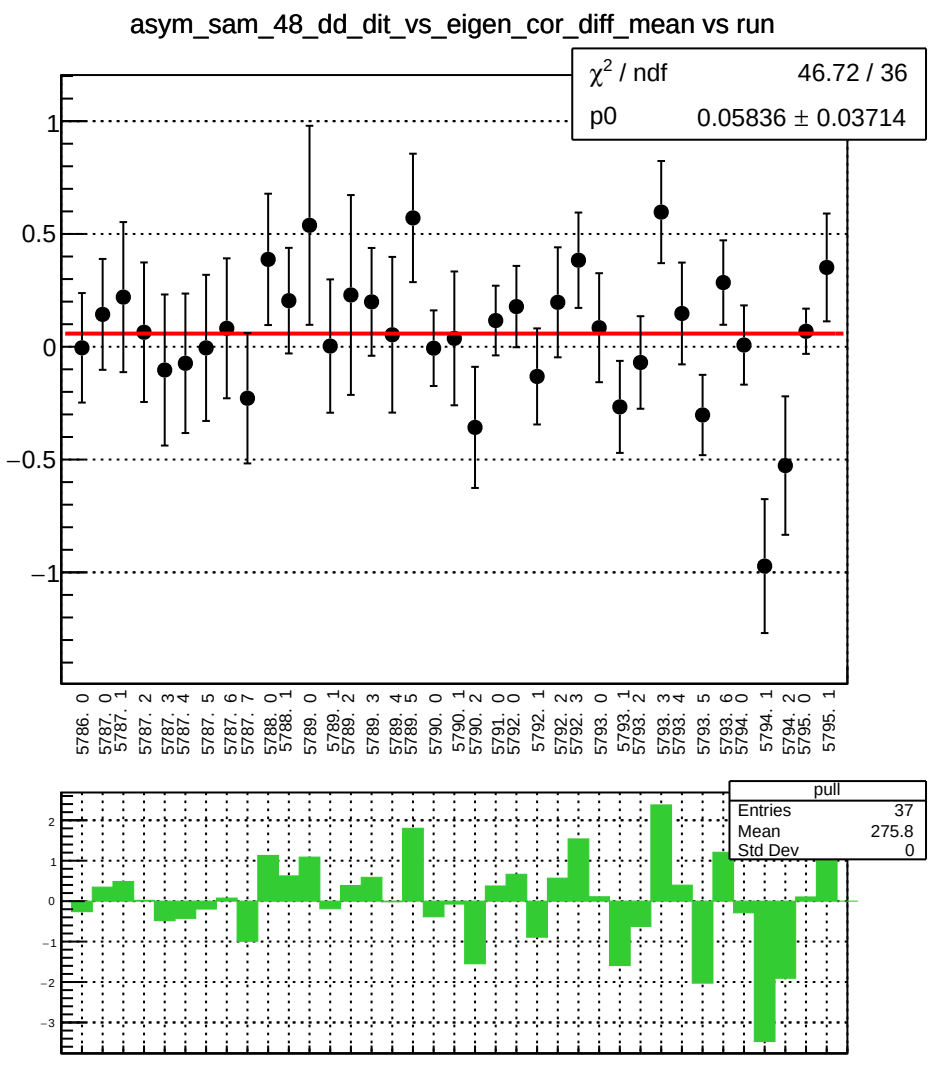

asym_sam_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 32.08 / 36
p0 −1.763e−13 ± 7.586e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.76
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.07701
Std Dev 0.928
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

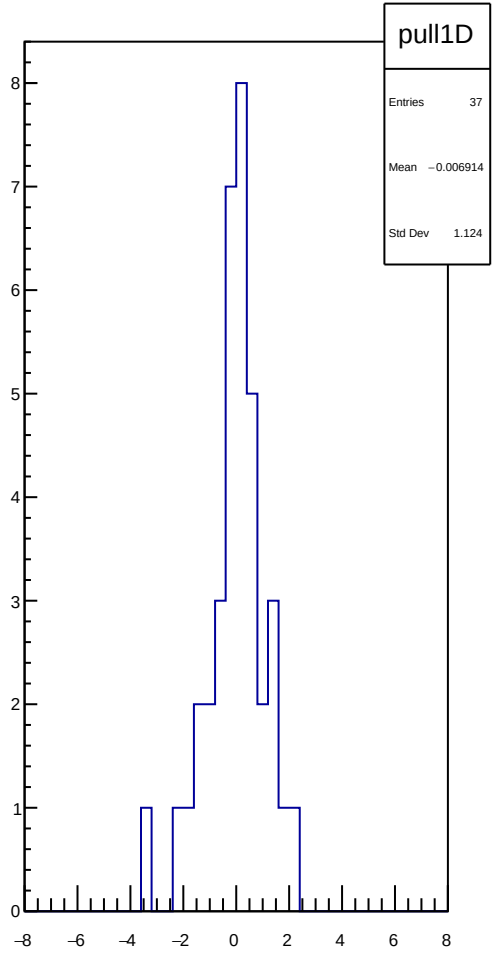

asym_sam_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.969e+05 / 36
p0 3.201e−11 ± 5.364e−14
0.045
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

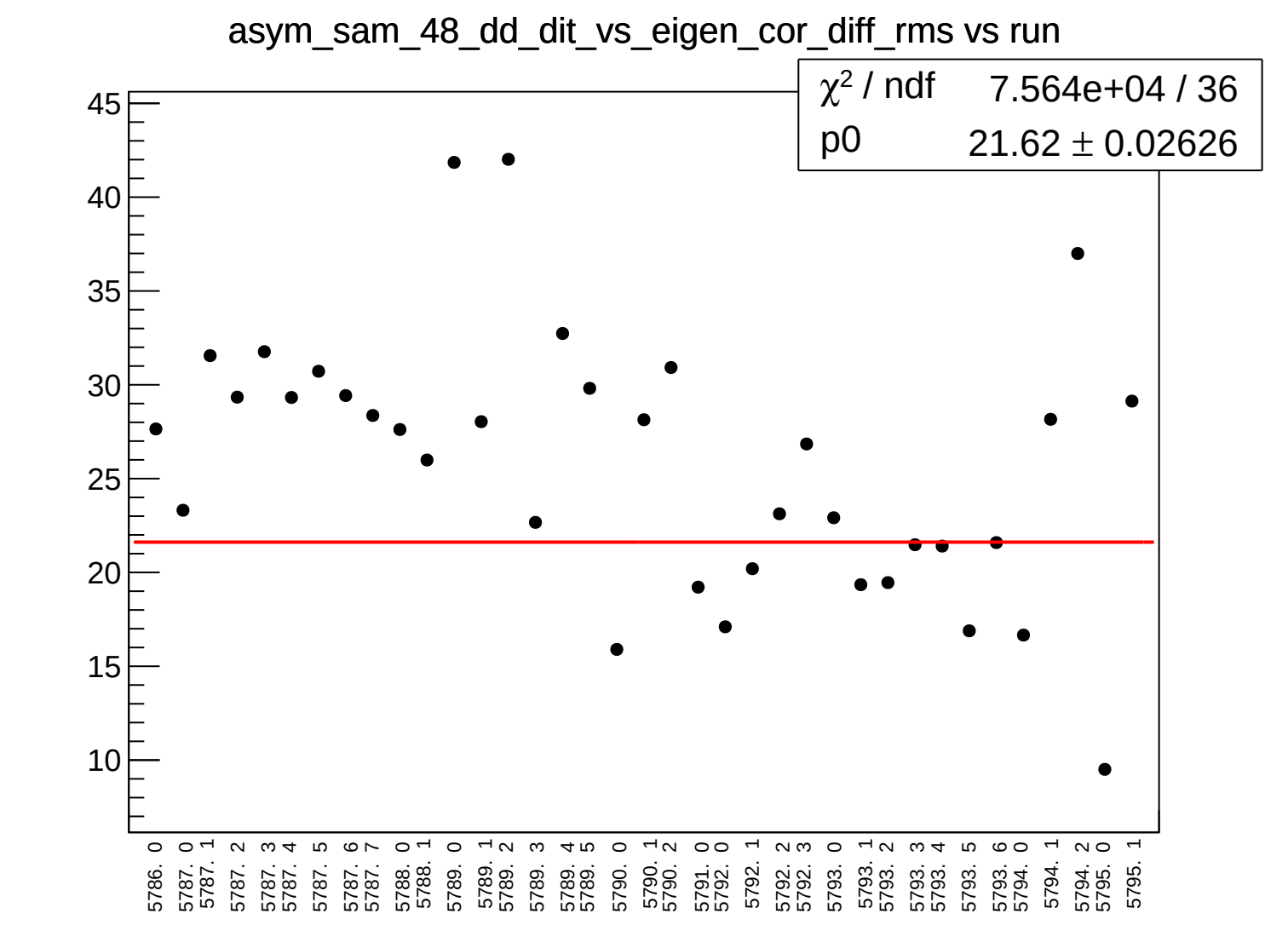

asym_sam_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.72 / 36
p0 0.05836 ± 0.03714
pull
Entries 37
Mean 275.8
Std Dev 0

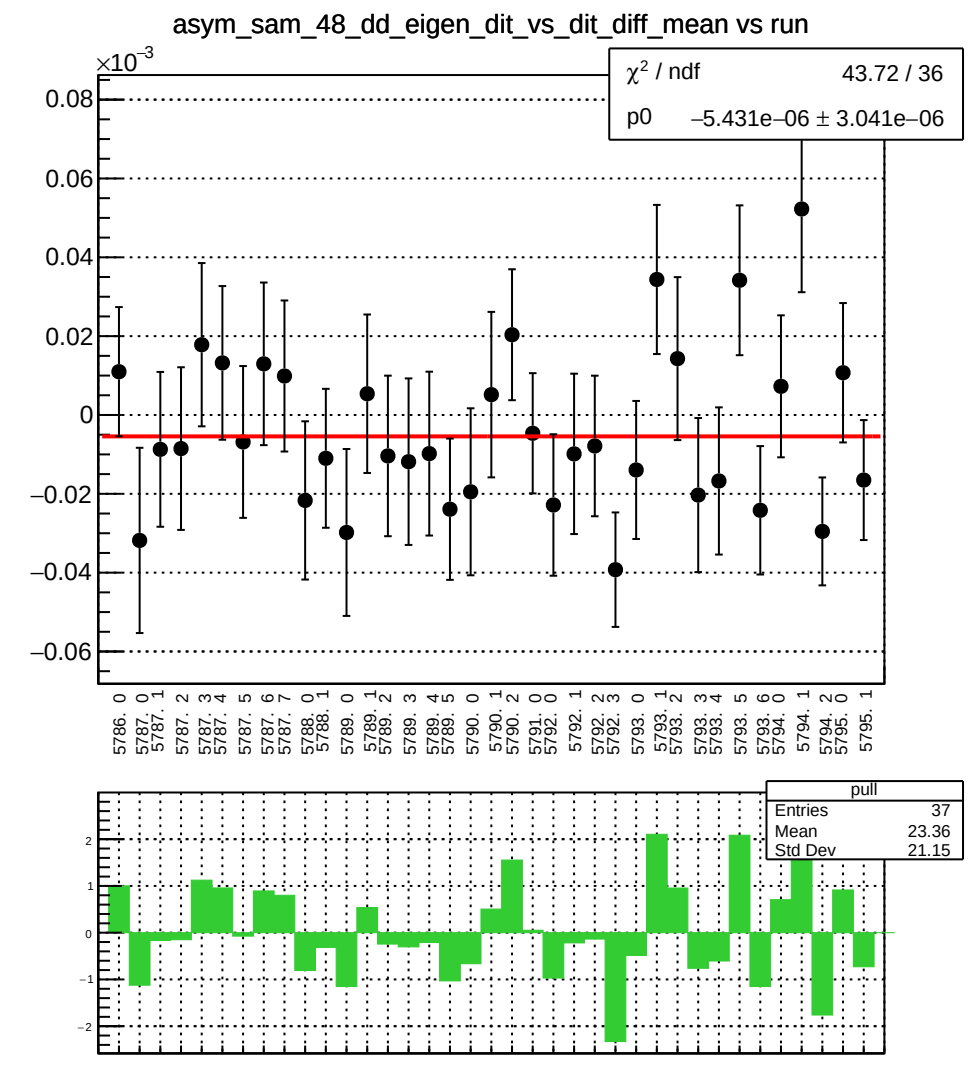

pull1D
Entries 37
Mean −0.006914
Std Dev 1.124

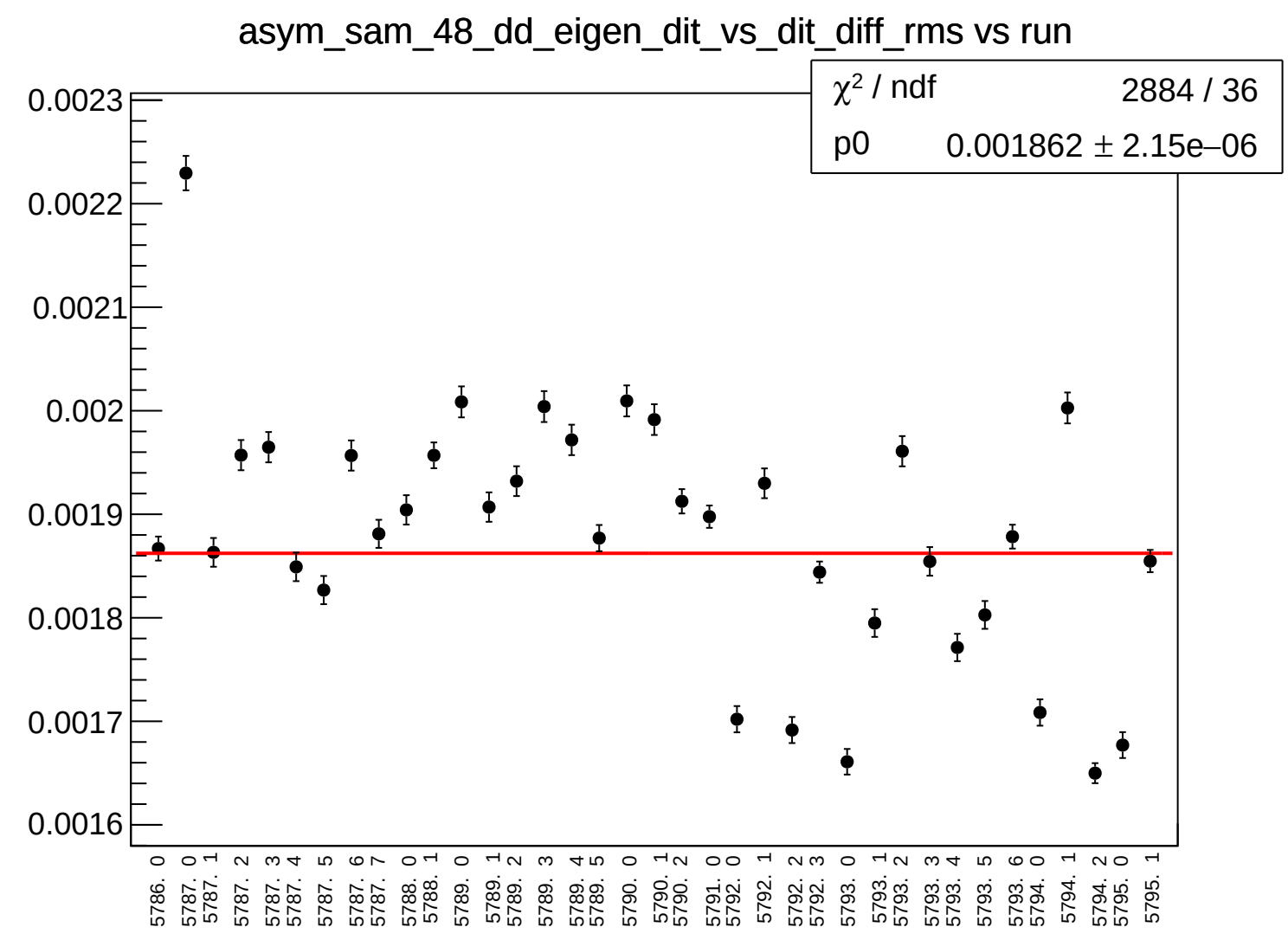

asym_sam_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 7.564e+04 / 36
p0 21.62 ± 0.02626
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

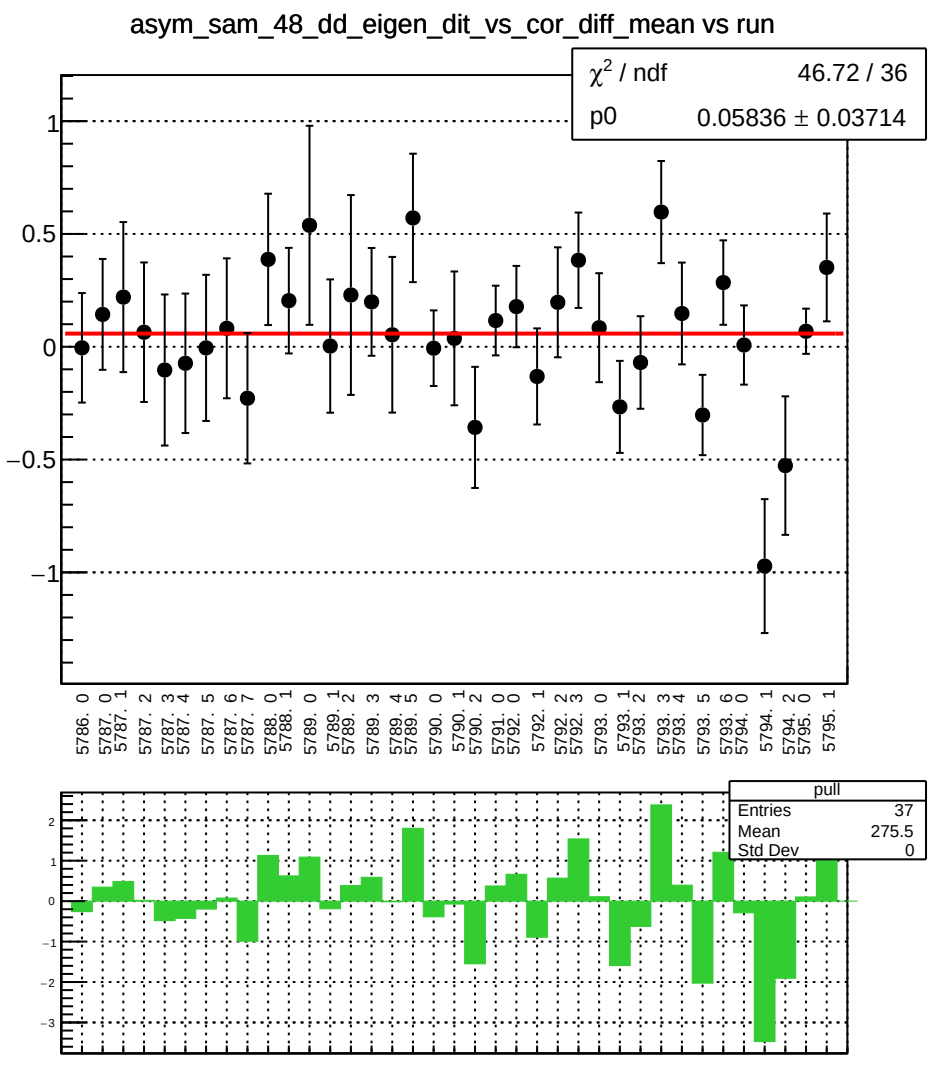

asym_sam_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.72 / 36
p0 0.05836 ± 0.03714
pull
Entries 37
Mean 275.8
Std Dev 0

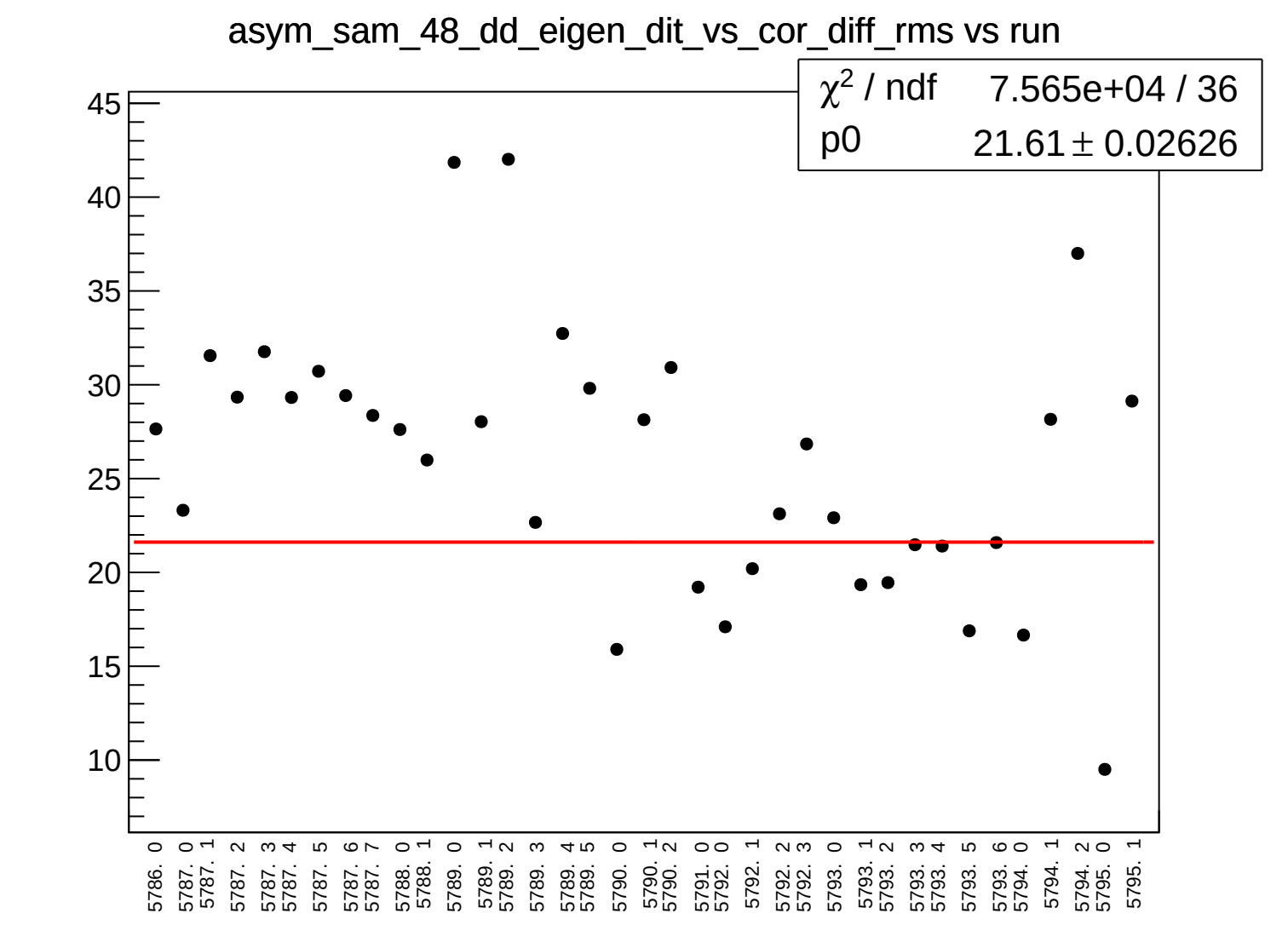

pull1D
Entries 37
Mean −0.006914
Std Dev 1.124

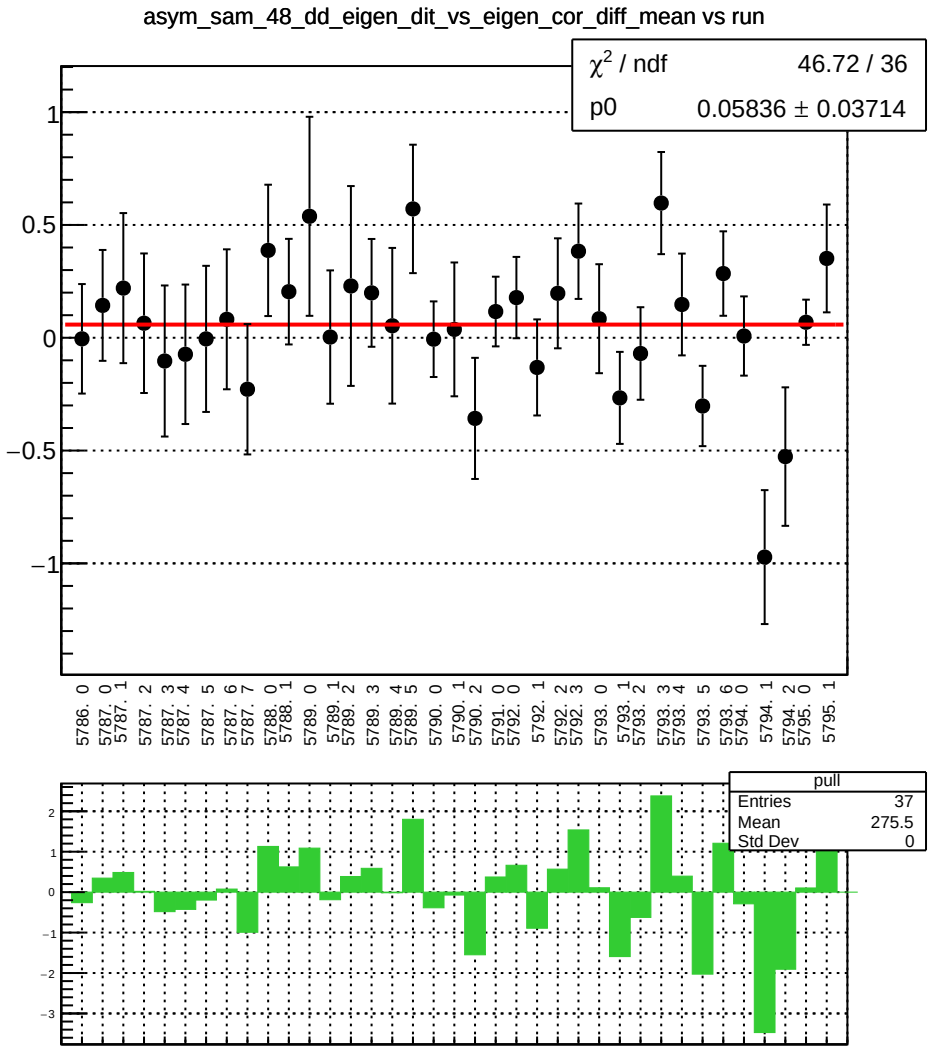

asym_sam_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.564e+04 / 36
p0 21.62 ± 0.02626
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

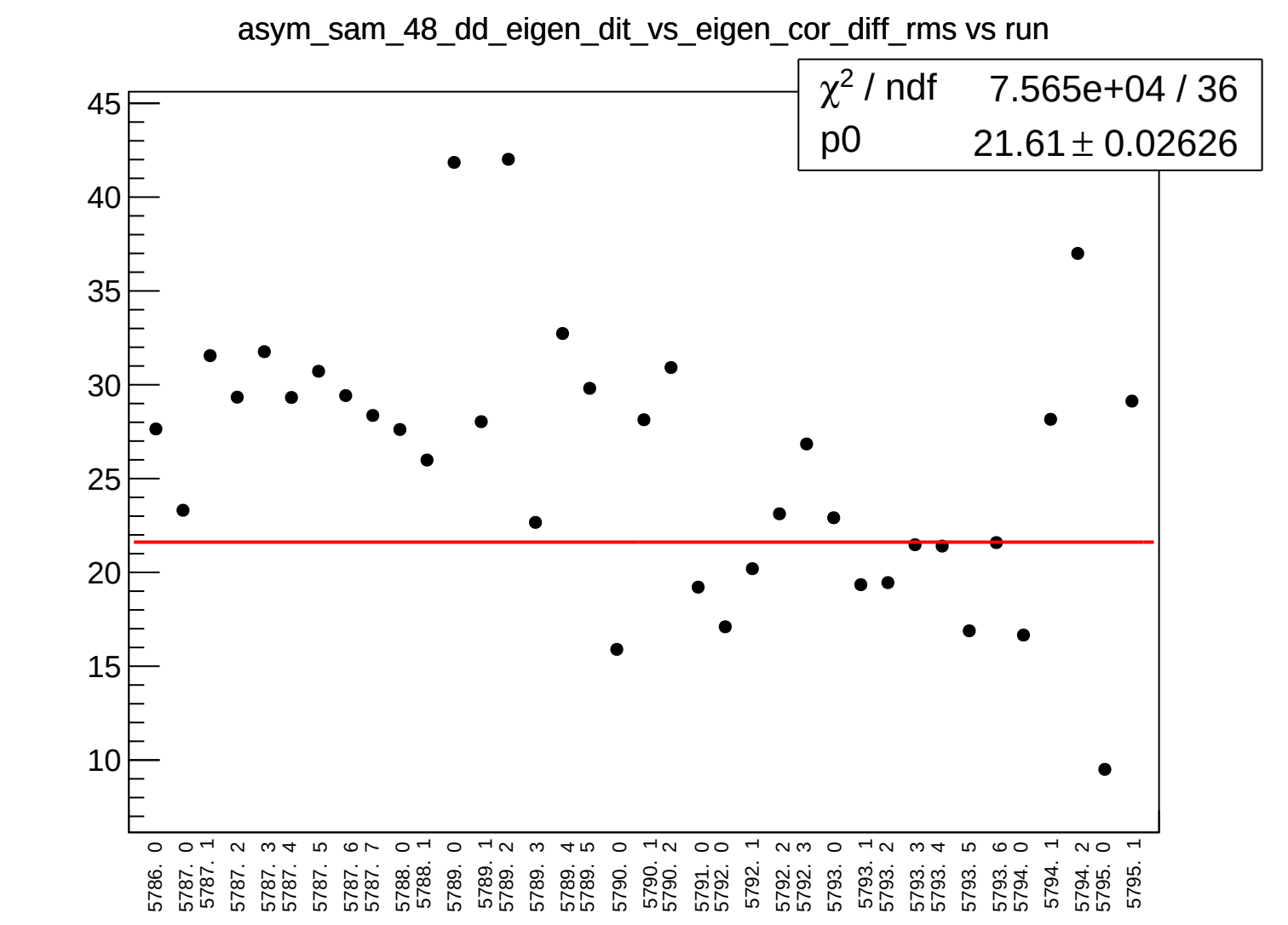

asym_sam_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 43.72 / 36
p0 −5.431e−06 ± 3.041e−06
0.08
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 23.36
Std Dev 21.15
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.04126
Std Dev 1.086
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

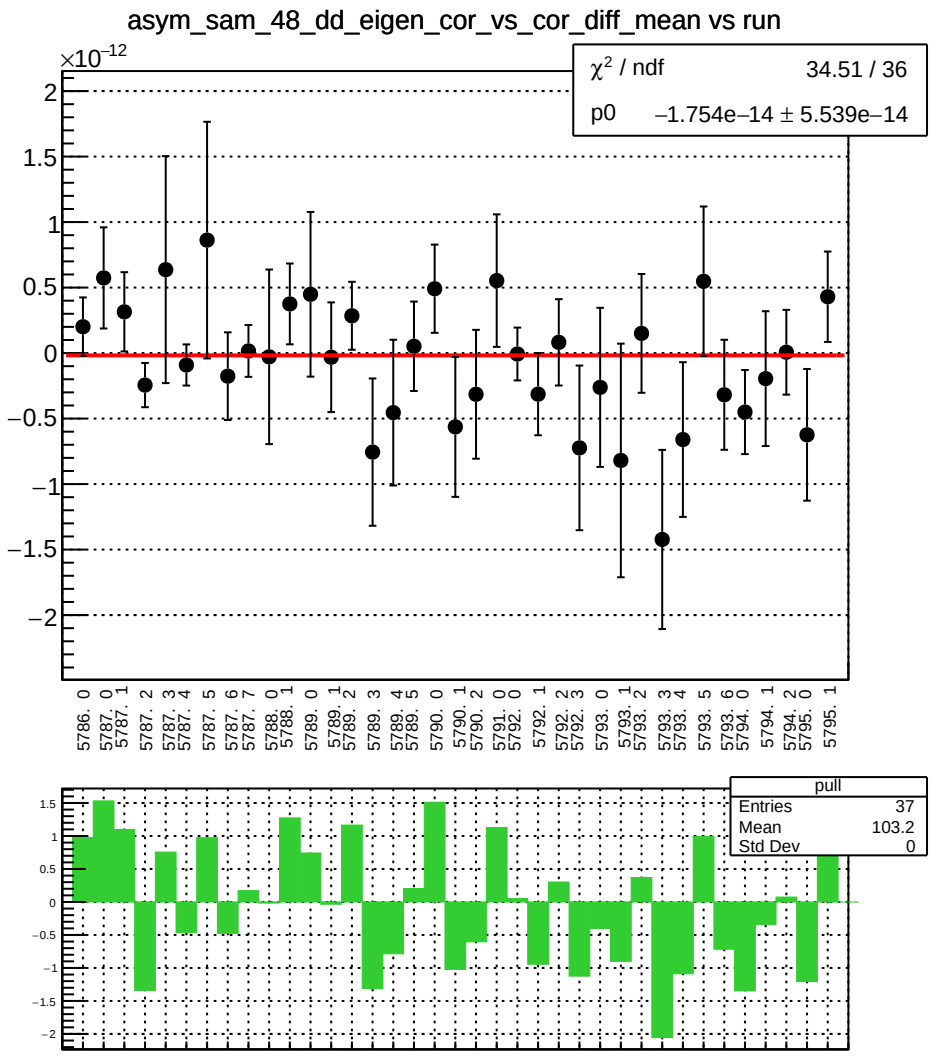

asym_sam_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2884 / 36
p0 0.001862 ± 2.15e–06
0.0023
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

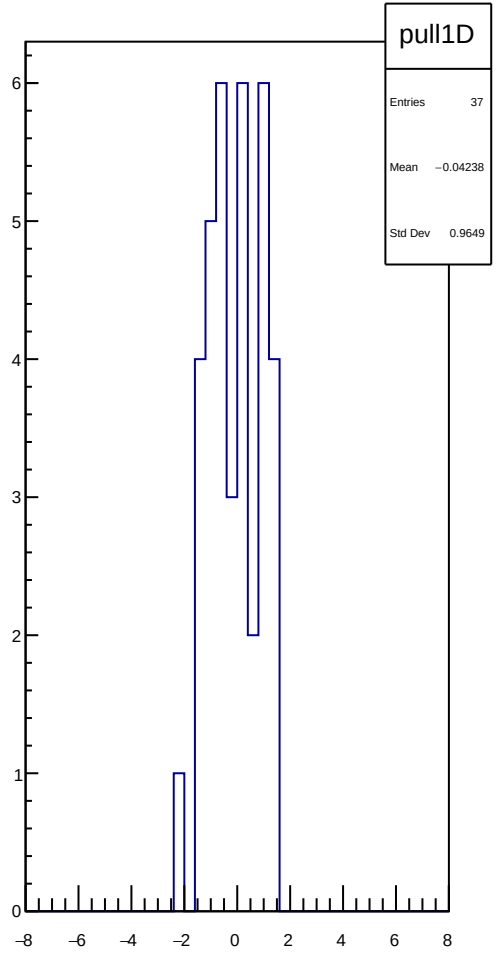

asym_sam_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.72 / 36
p0 0.05836 ± 0.03714
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 275.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.006922
Std Dev 1.124
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

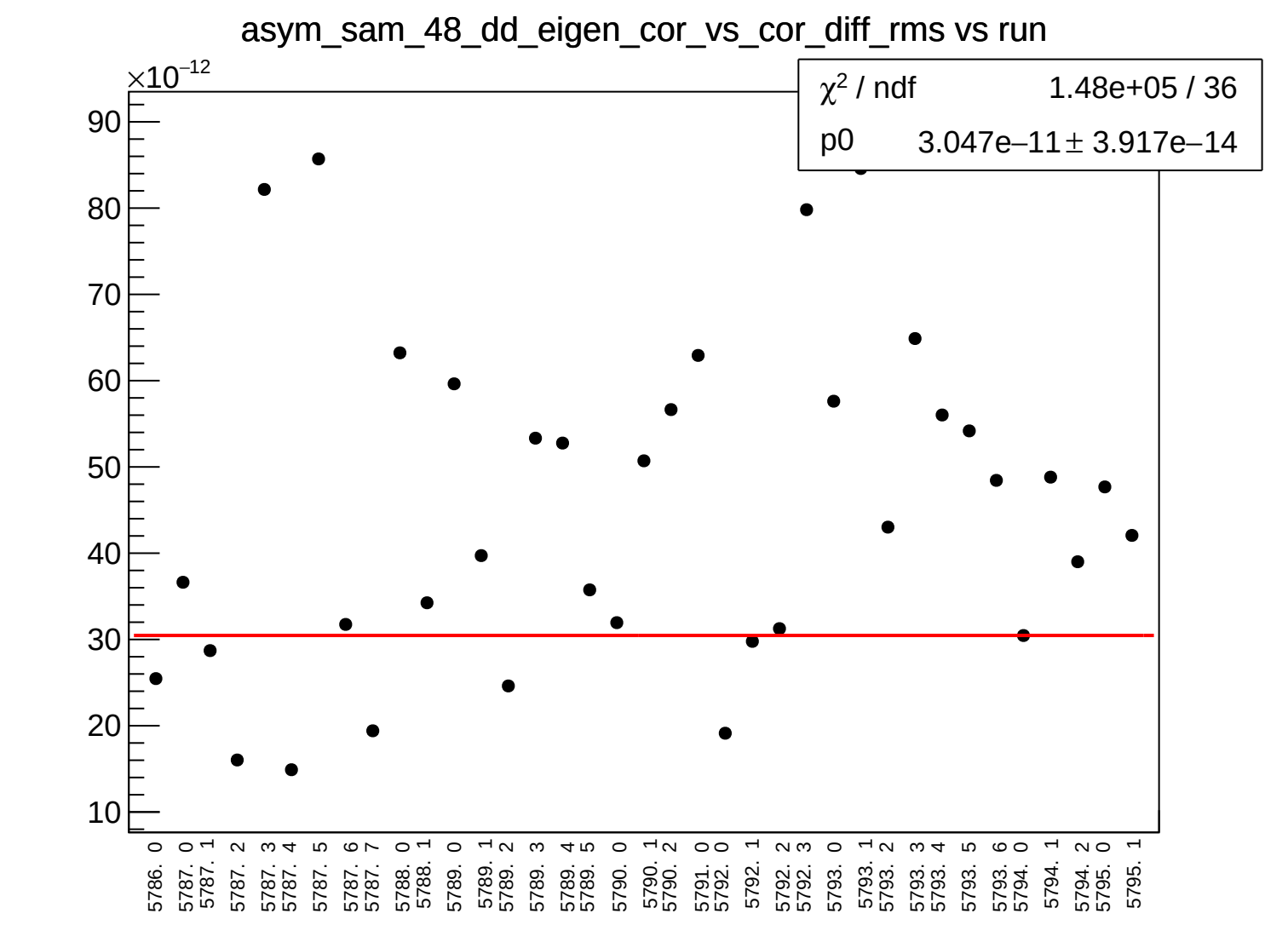

asym_sam_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 7.565e+04 / 36
p0 21.61 ± 0.02626
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

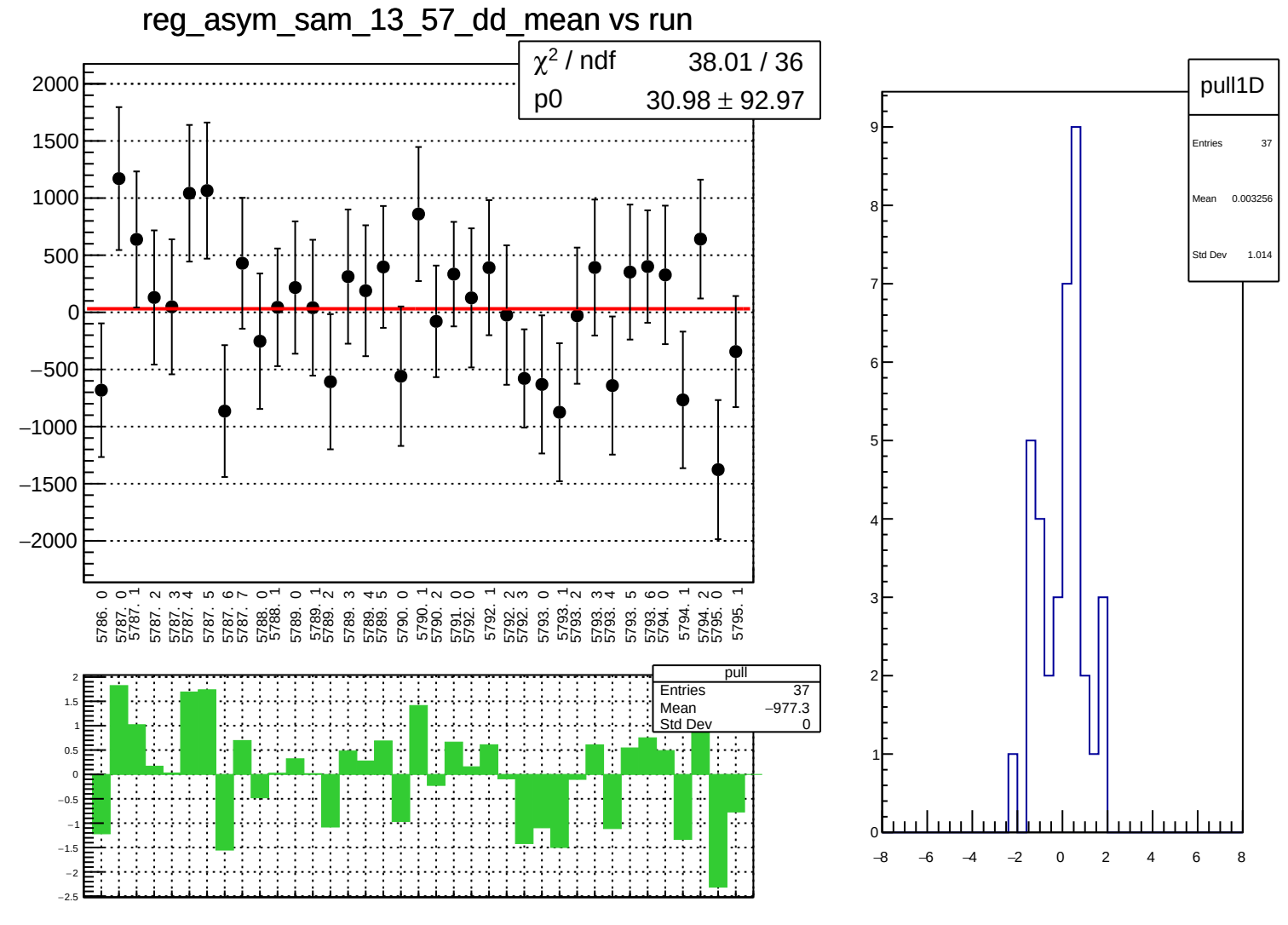

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.72 / 36
p0 0.05836 ± 0.03714
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 275.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.006922
Std Dev 1.124
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

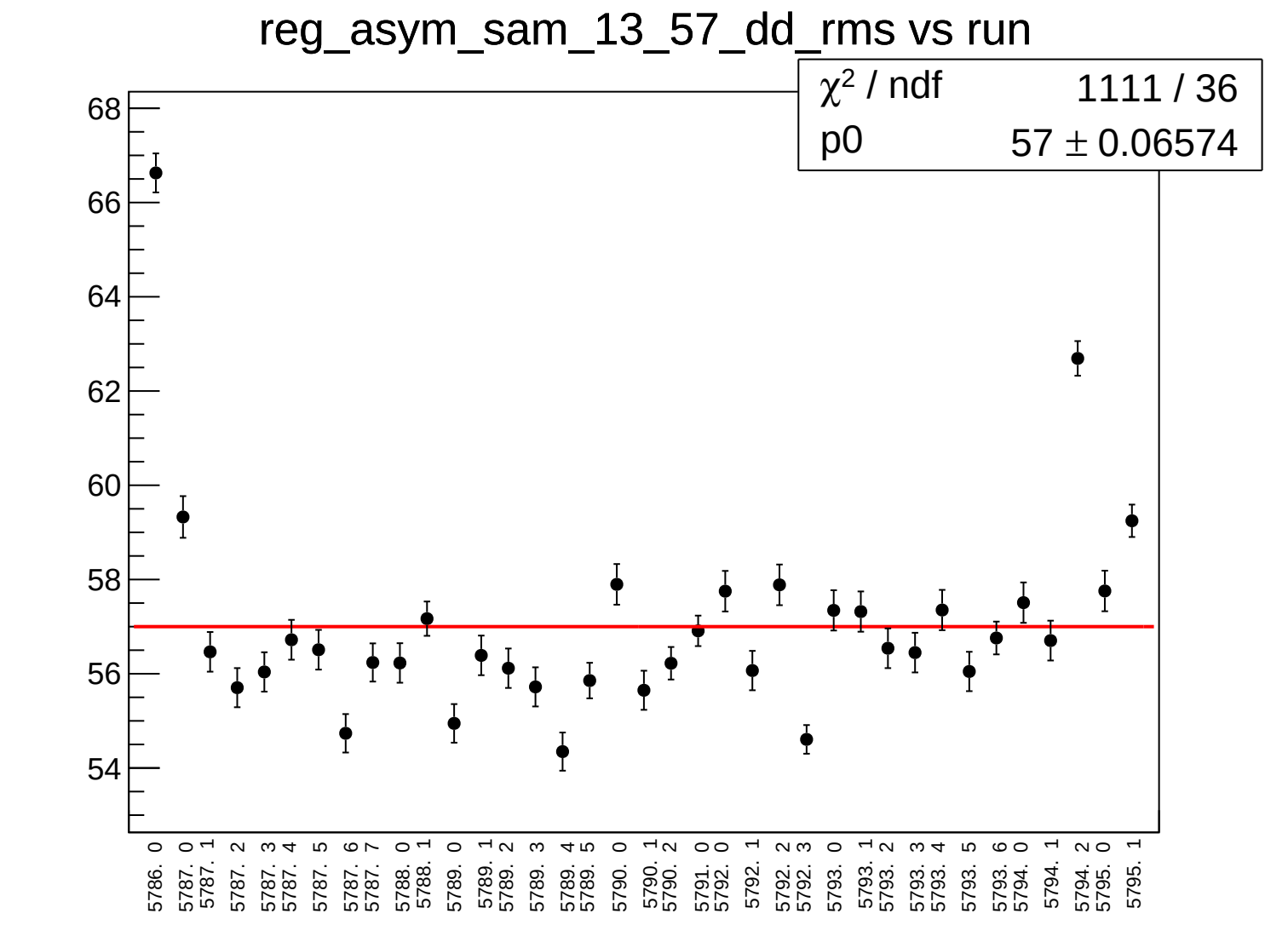

asym_sam_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 7.565e+04 / 36
p0 21.61 ± 0.02626
45
40
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

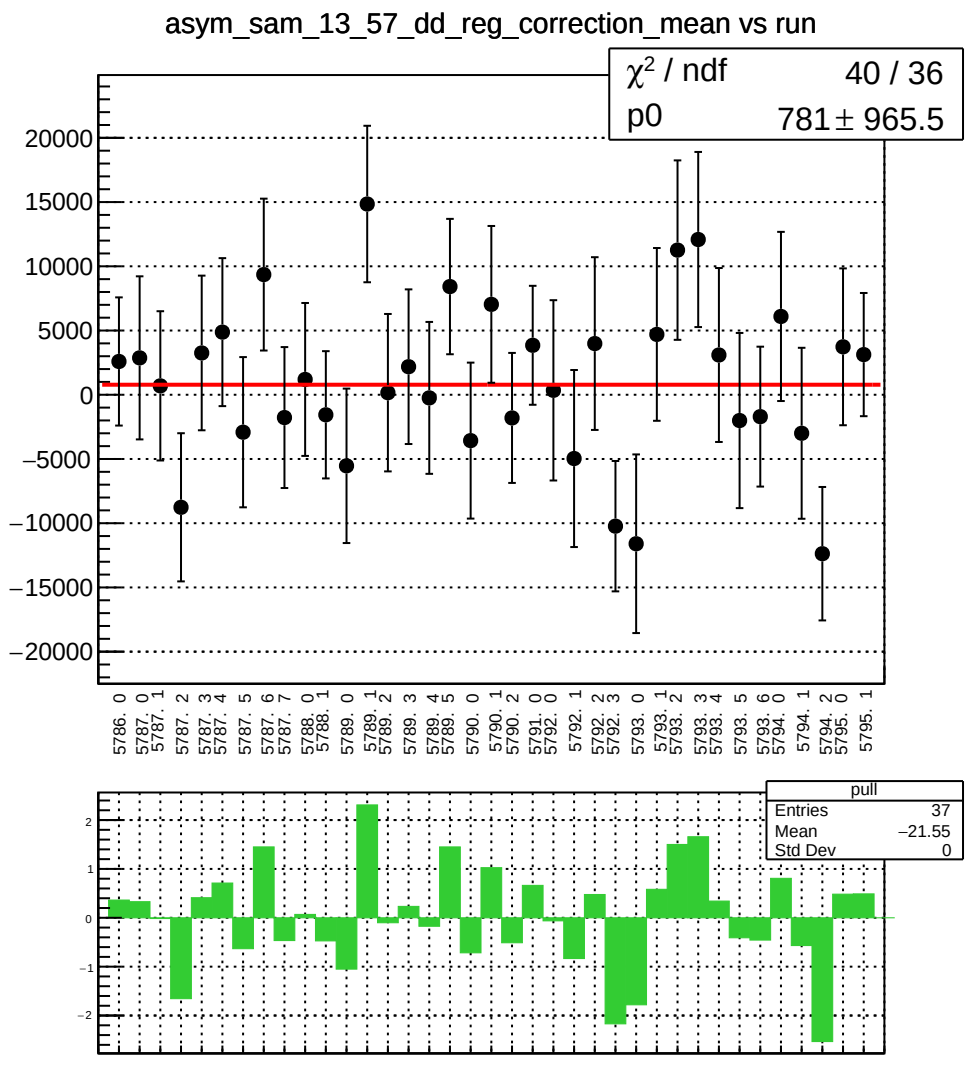

asym_sam_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 34.51 / 36
p0 −1.754e−14 ± 5.539e−14
pull
Entries 37
Mean 103.2
Std Dev 0

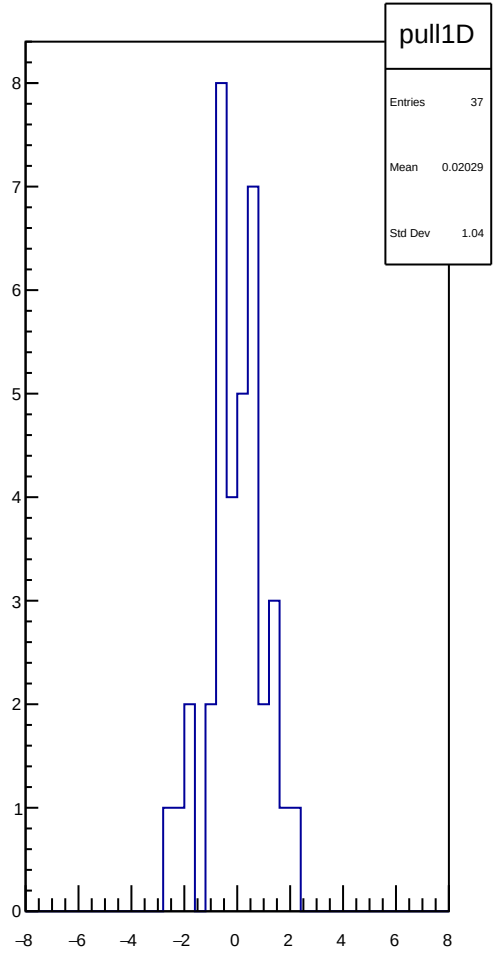

pull1D
Entries 37
Mean −0.04238
Std Dev 0.9649

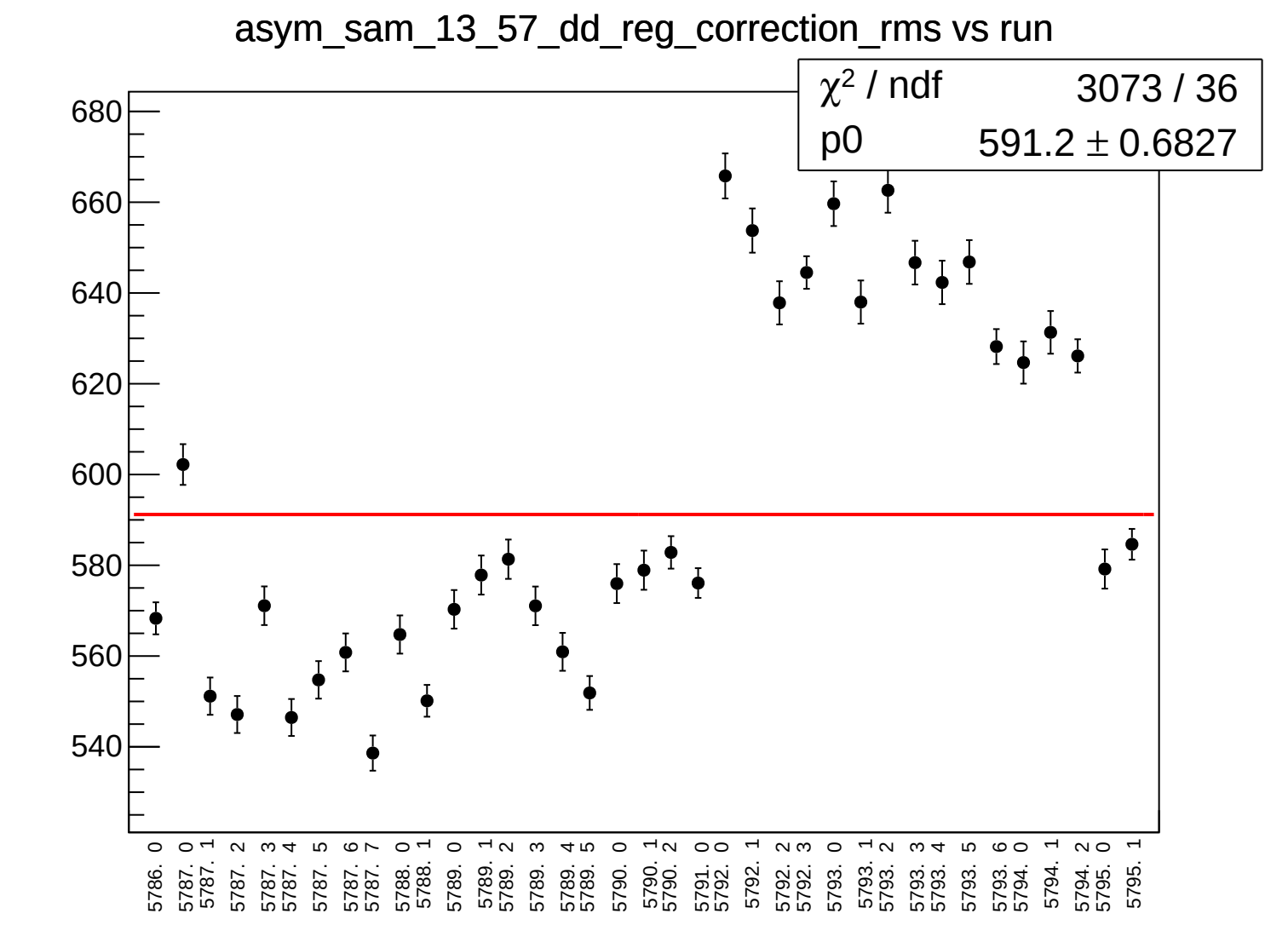

asym_sam_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.48e+05 / 36
p0 3.047e−11 ± 3.917e−14
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

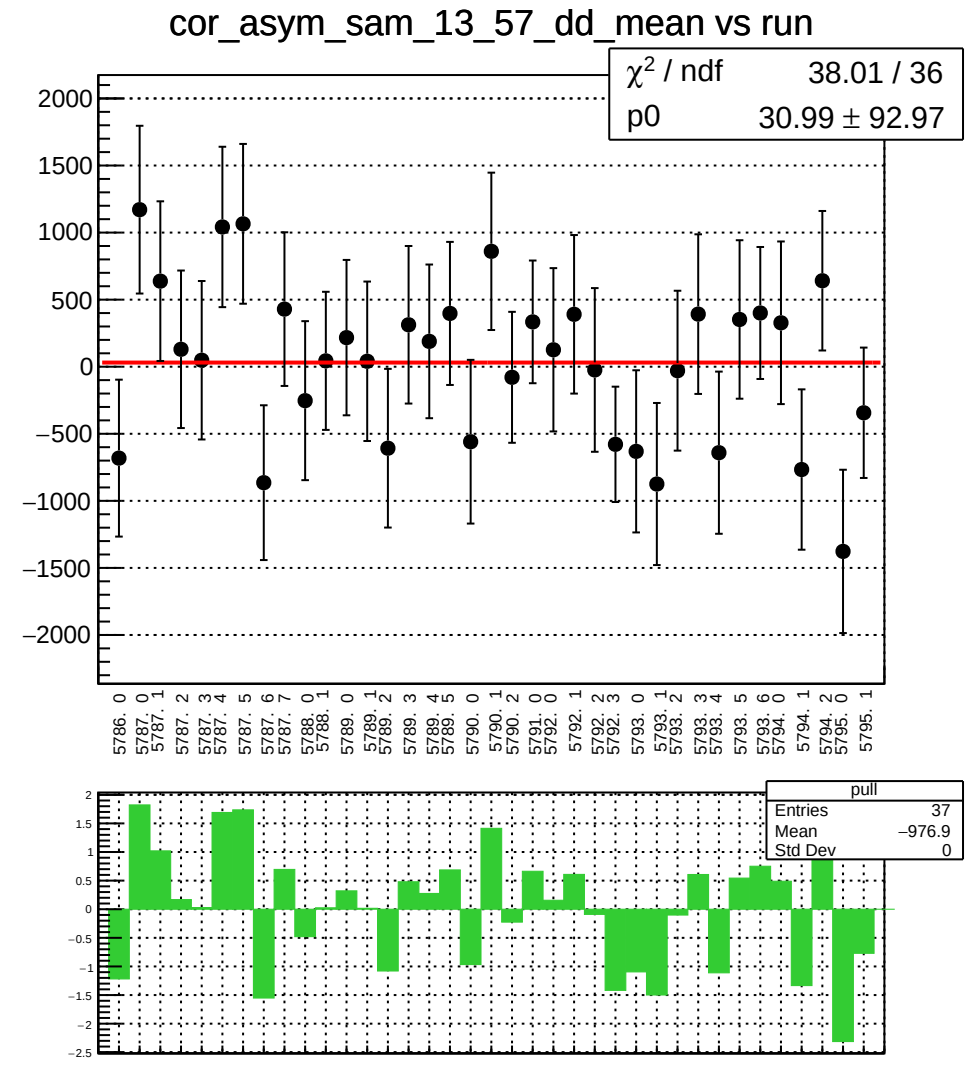

reg_asym_sam_13_57_dd_mean vs run
χ² / ndf 38.01 / 36
p0 30.98 ± 92.97
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −977.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.003256
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

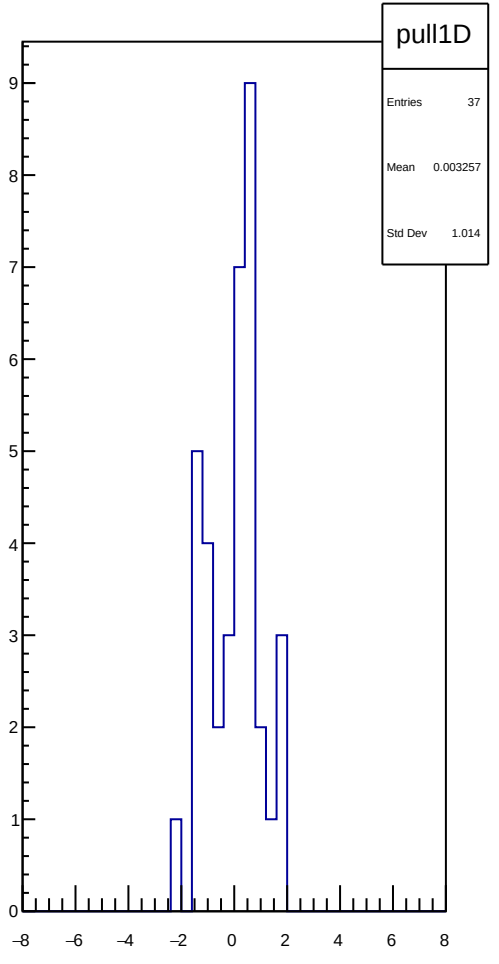

reg_asym_sam_13_57_dd_rms vs run
χ² / ndf 1111 / 36
p0 57 ± 0.06574
68
66
64
62
60
58
56
54
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

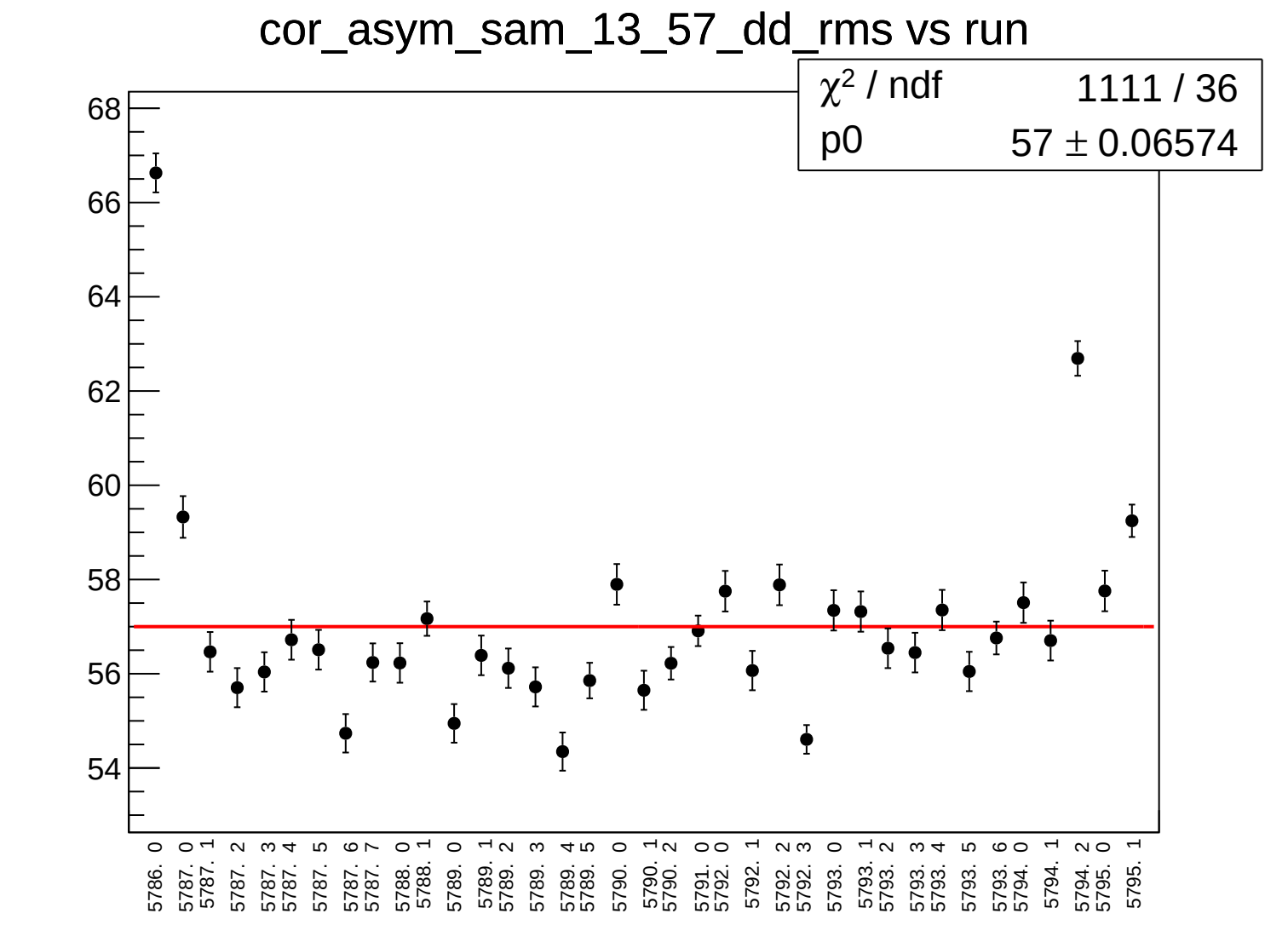

asym_sam_13_57_dd_reg_correction_mean vs run
χ² / ndf 40 / 36
p0 781 ± 965.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −21.55
Std Dev 0
2
1
0
−1
−2

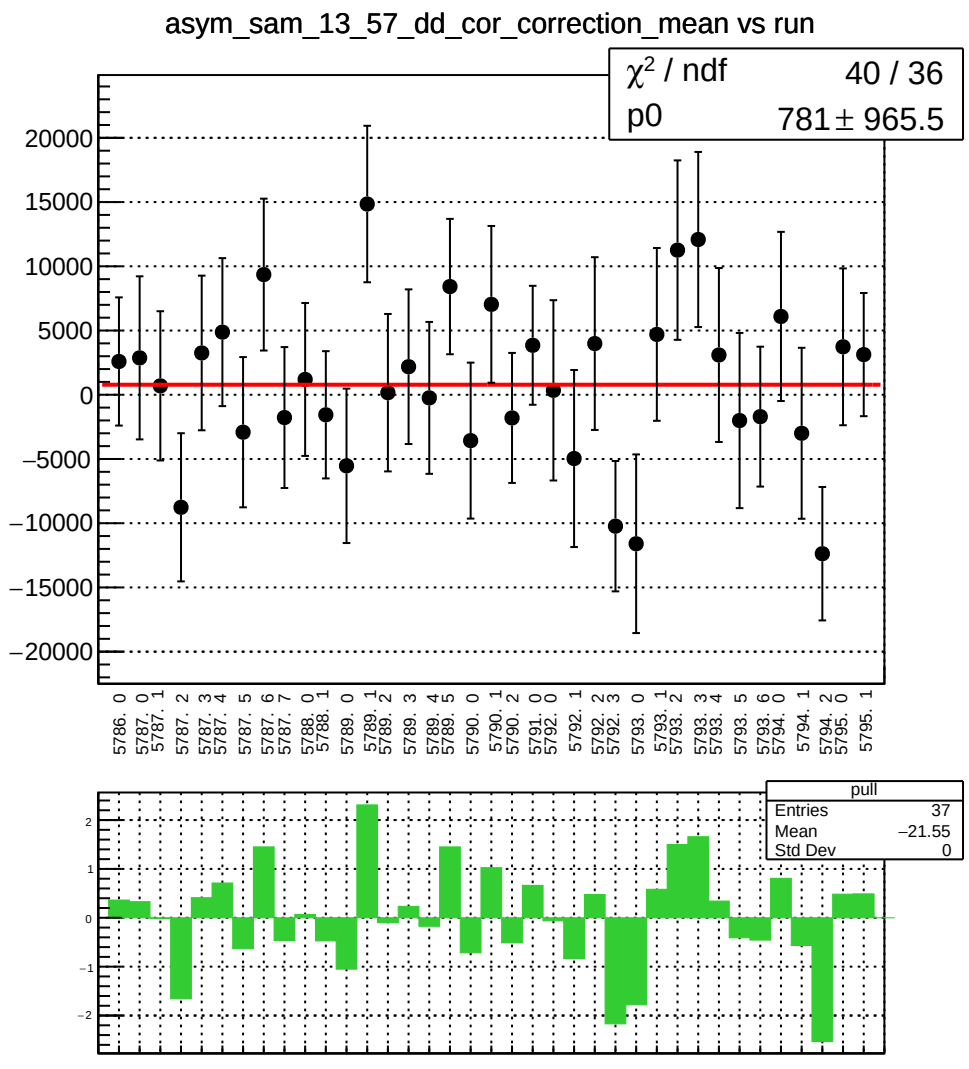

pull1D
Entries 37
Mean 0.02029
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

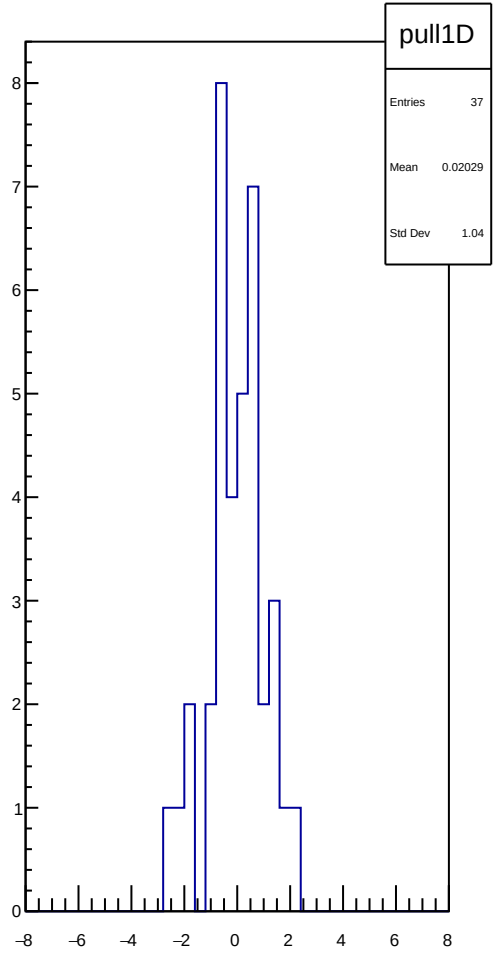

asym_sam_13_57_dd_reg_correction_rms vs run
χ² / ndf 3073 / 36
p0 591.2 ± 0.6827
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

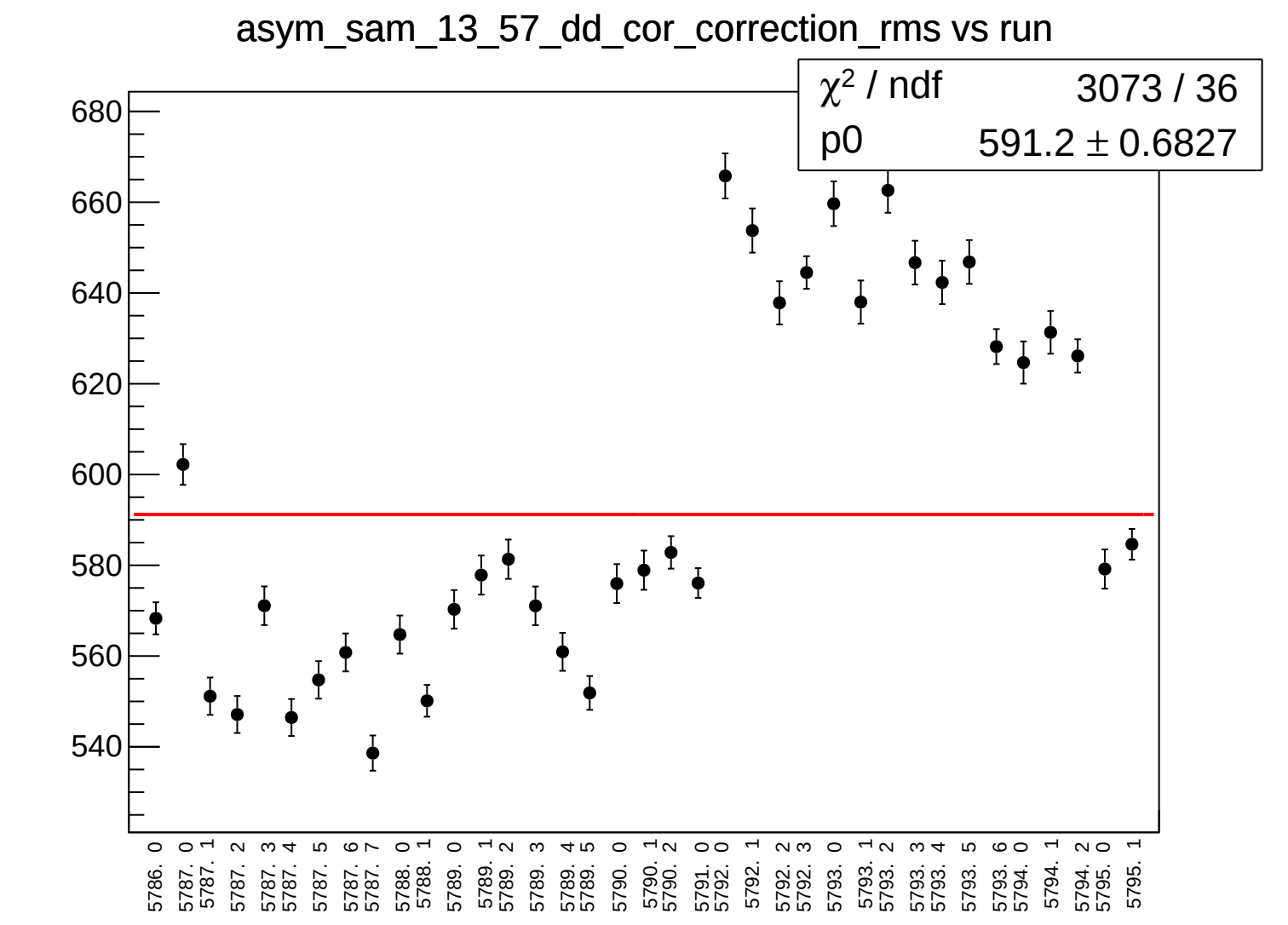

cor_asym_sam_13_57_dd_mean vs run
χ² / ndf 38.01 / 36
p0 30.99 ± 92.97
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −976.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

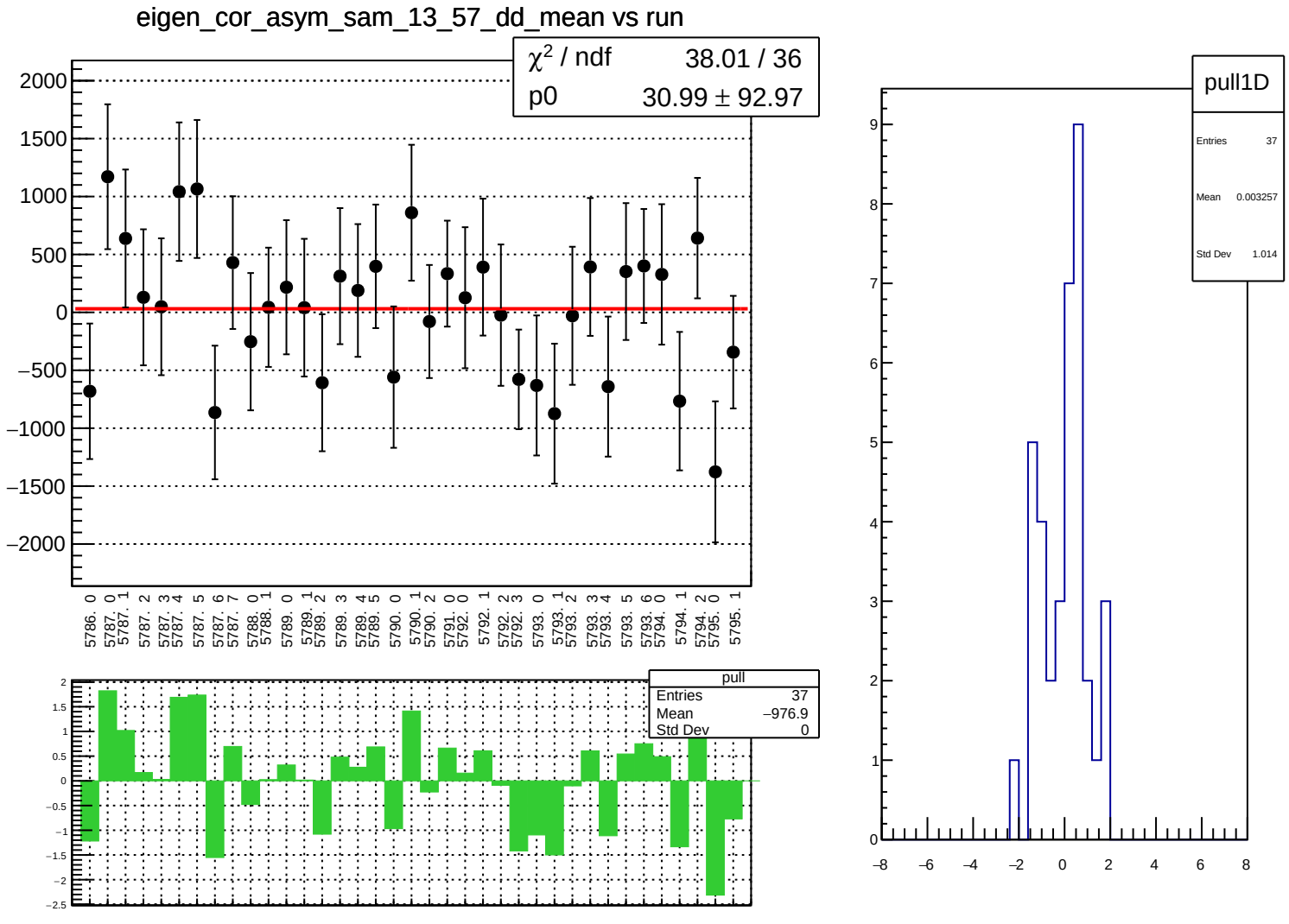

pull1D
Entries 37
Mean 0.003257
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

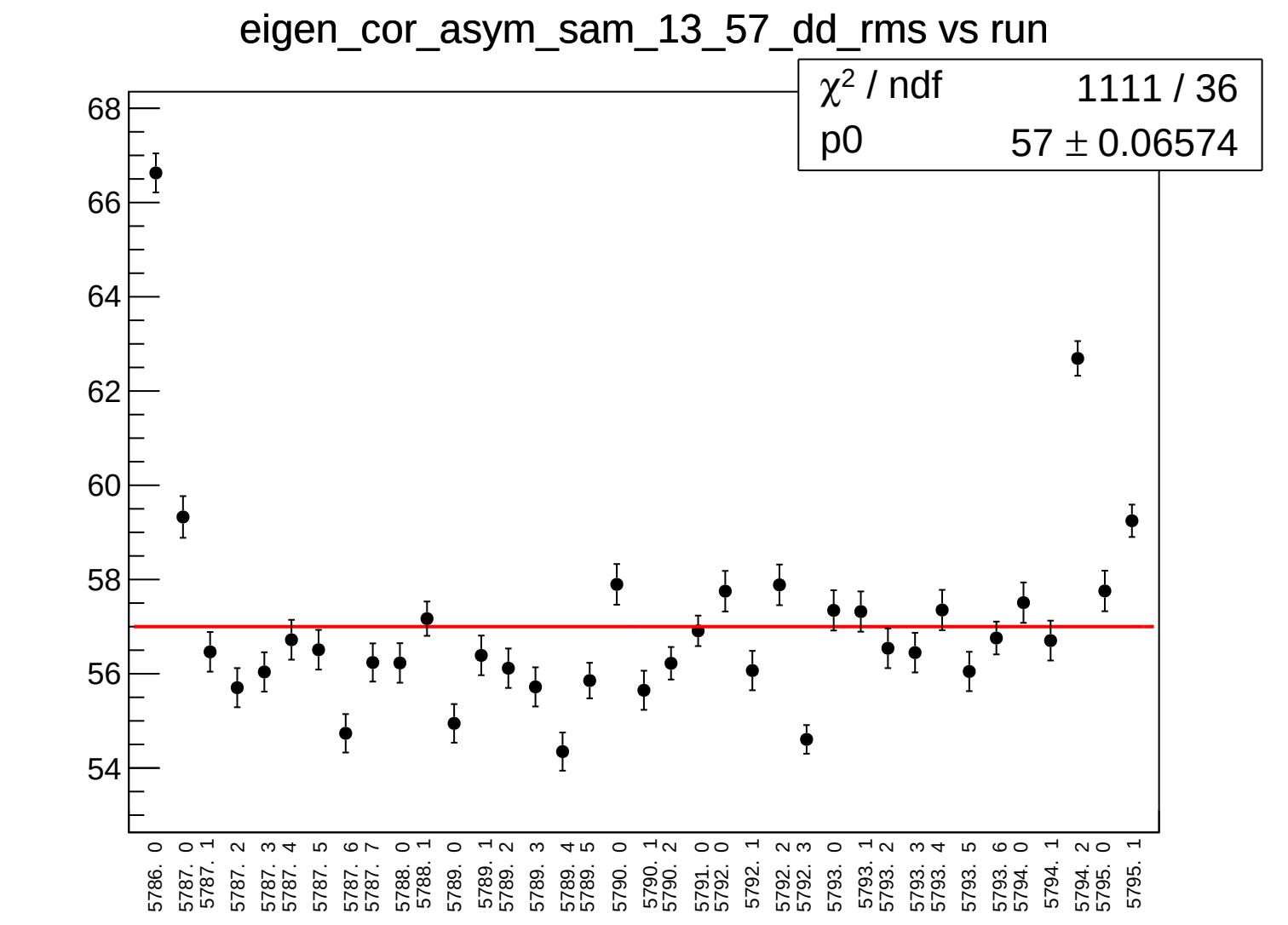

cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1111 / 36
p0 57 ± 0.06574
68
66
64
62
60
58
56
54
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

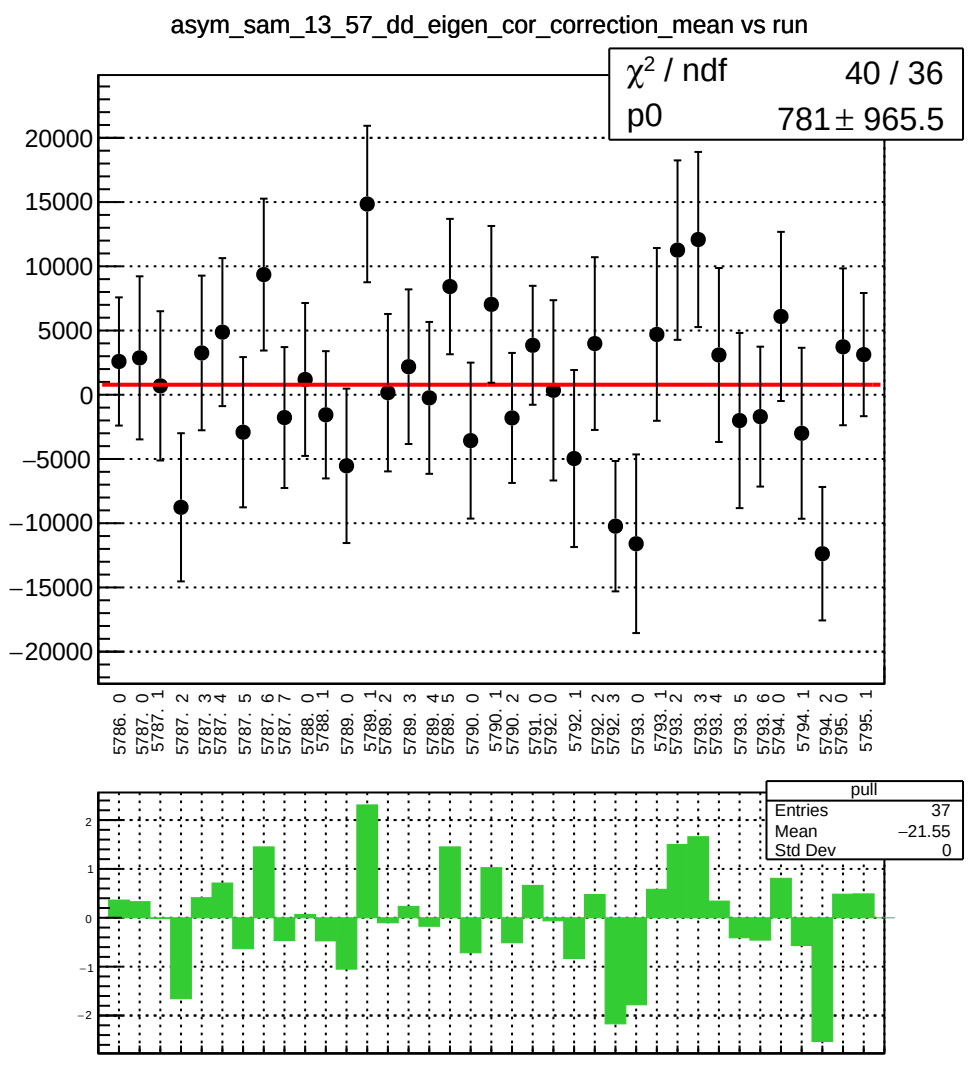

asym_sam_13_57_dd_cor_correction_mean vs run
χ² / ndf 40 / 36
p0 781 ± 965.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −21.55
Std Dev 0
2
1
0
−1
−2

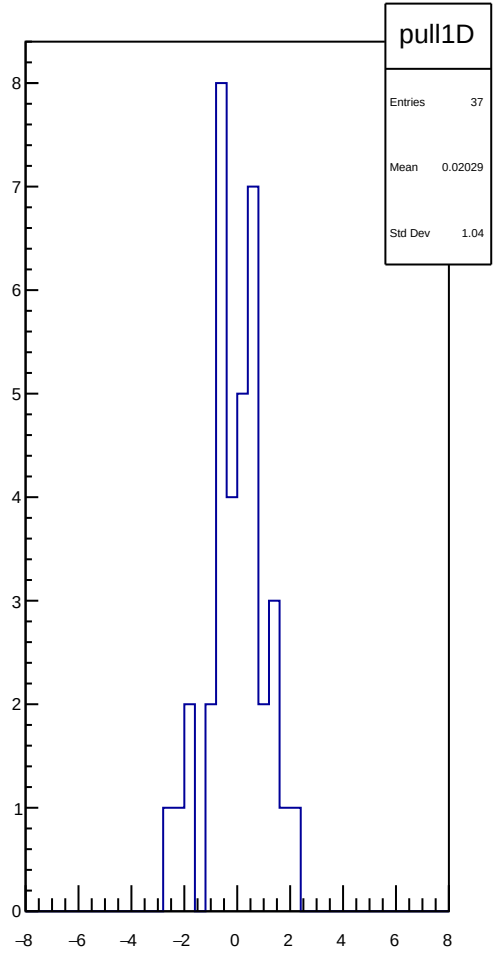

pull1D
Entries 37
Mean 0.02029
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

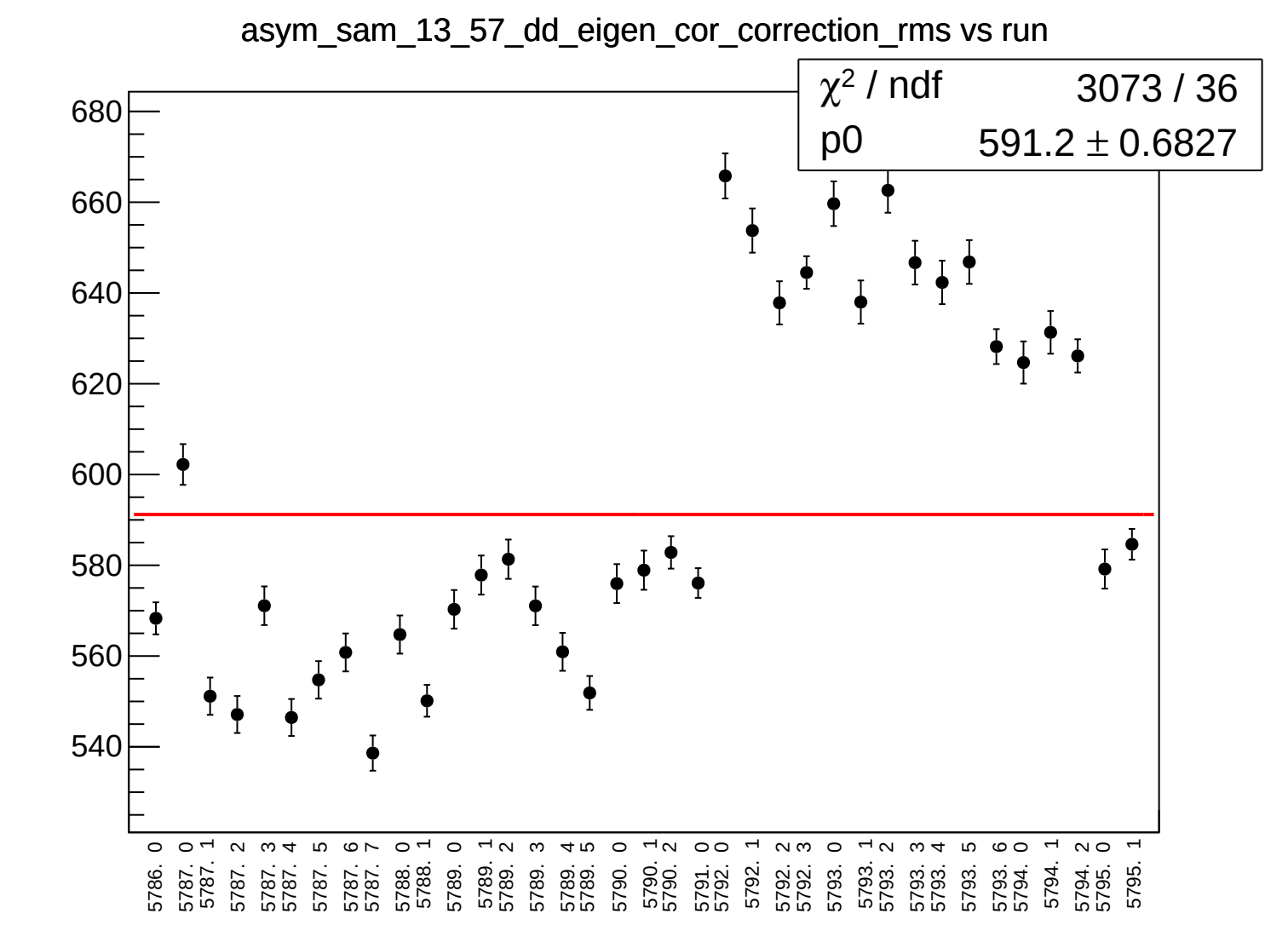

asym_sam_13_57_dd_cor_correction_rms vs run
χ² / ndf 3073 / 36
p0 591.2 ± 0.6827
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

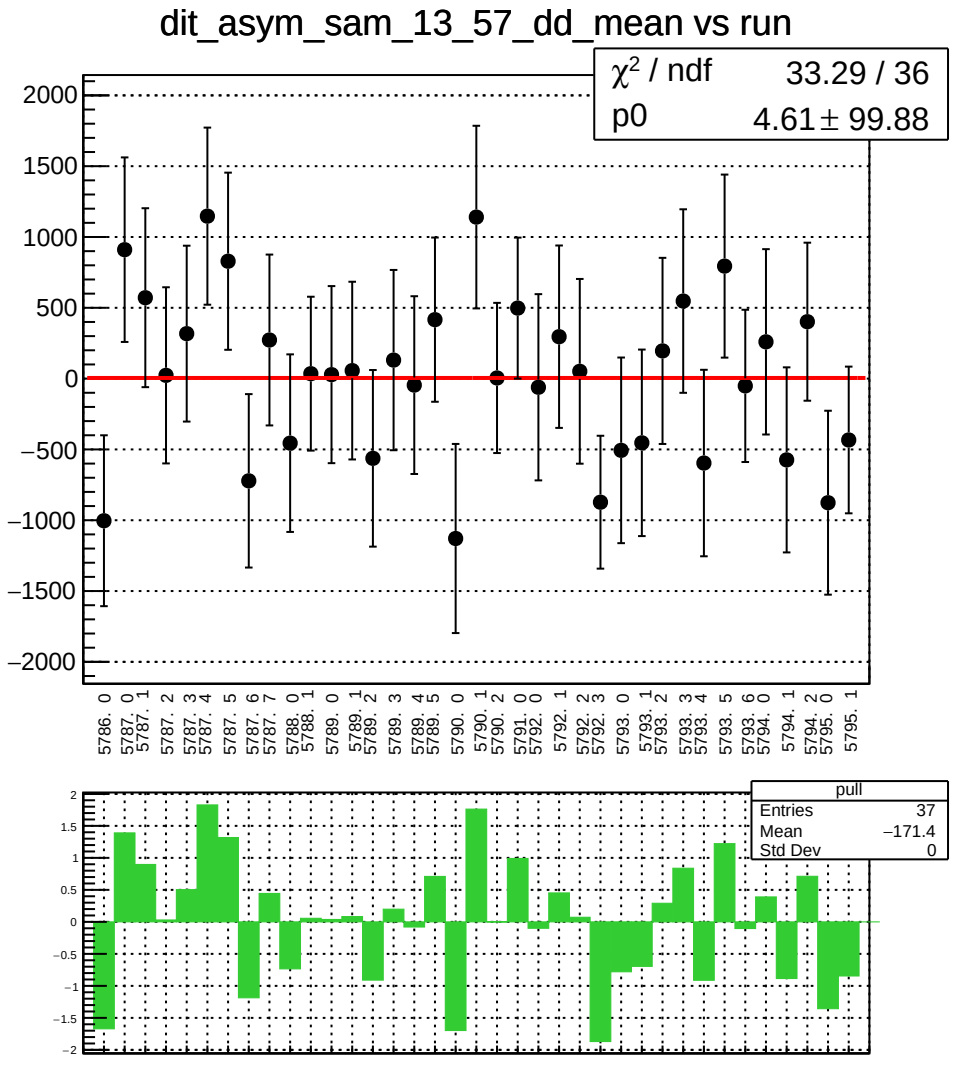

eigen_cor_asym_sam_13_57_dd_mean vs run
χ^2 / ndf 38.01 / 36
p0 30.99 ± 92.97
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −976.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.003257
Std Dev 1.014
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

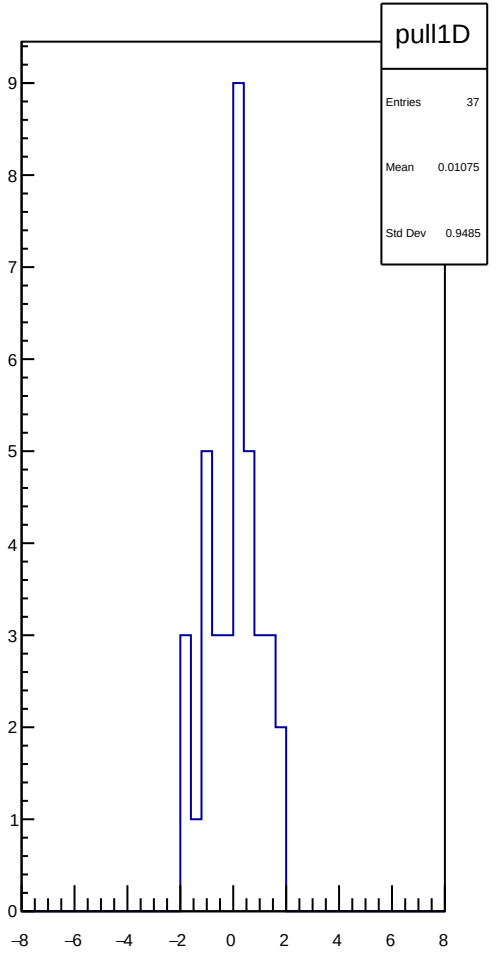

eigen_cor_asym_sam_13_57_dd_rms vs run
χ² / ndf 1111 / 36
p0 57 ± 0.06574
68
66
64
62
60
58
56
54
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

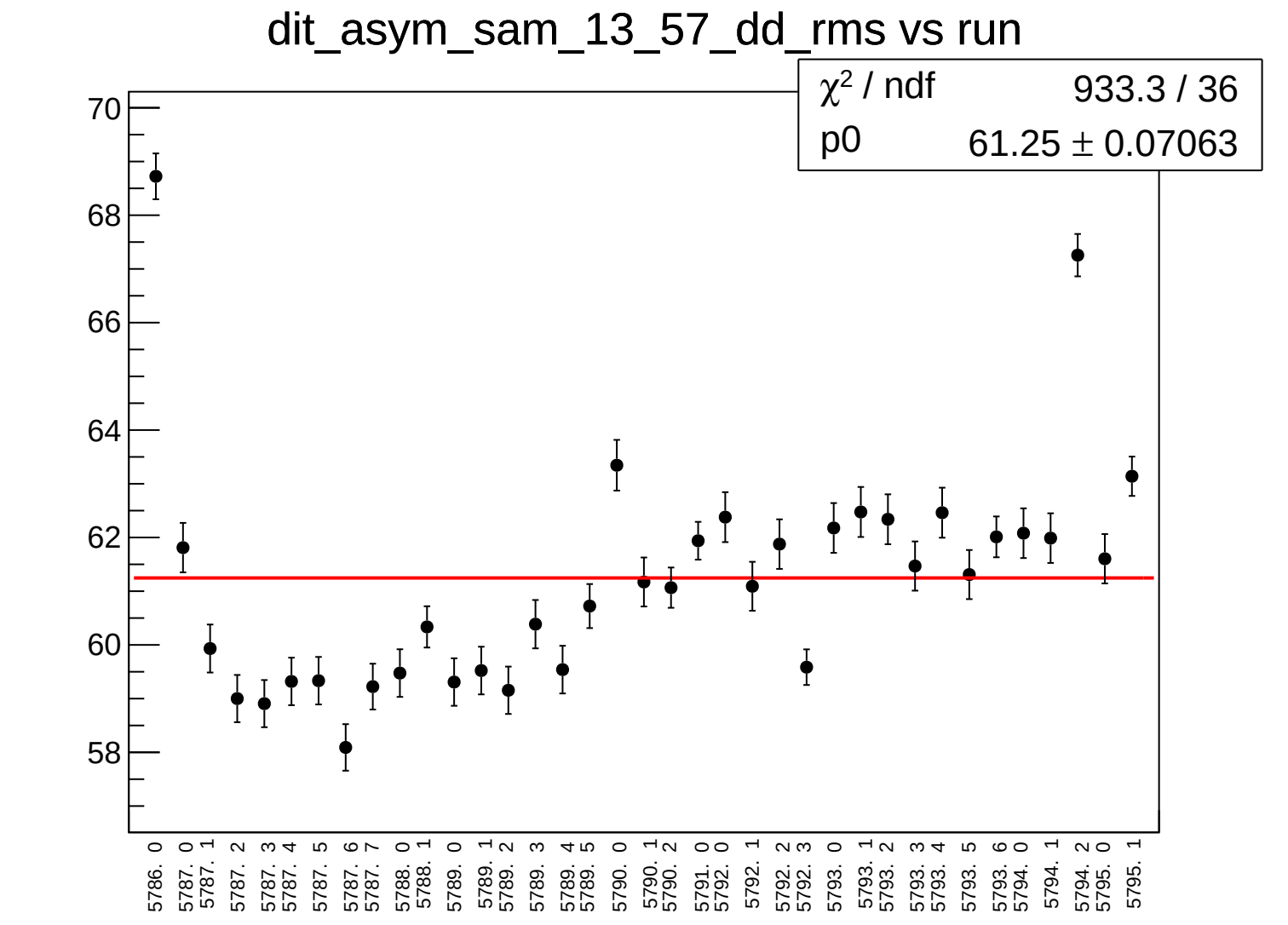

asym_sam_13_57_dd_eigen_cor_correction_mean vs run
χ² / ndf 40 / 36
p0 781 ± 965.5
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −21.55
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.02029
Std Dev 1.04
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_eigen_cor_correction_rms vs run
χ² / ndf 3073 / 36
p0 591.2 ± 0.6827
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 33.29 / 36
p0 4.61 ± 99.88
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −171.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.01075
Std Dev 0.9485
9
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
χ^2 / ndf 933.3 / 36
p0 61.25 ± 0.07063
70
68
66
64
62
60
58
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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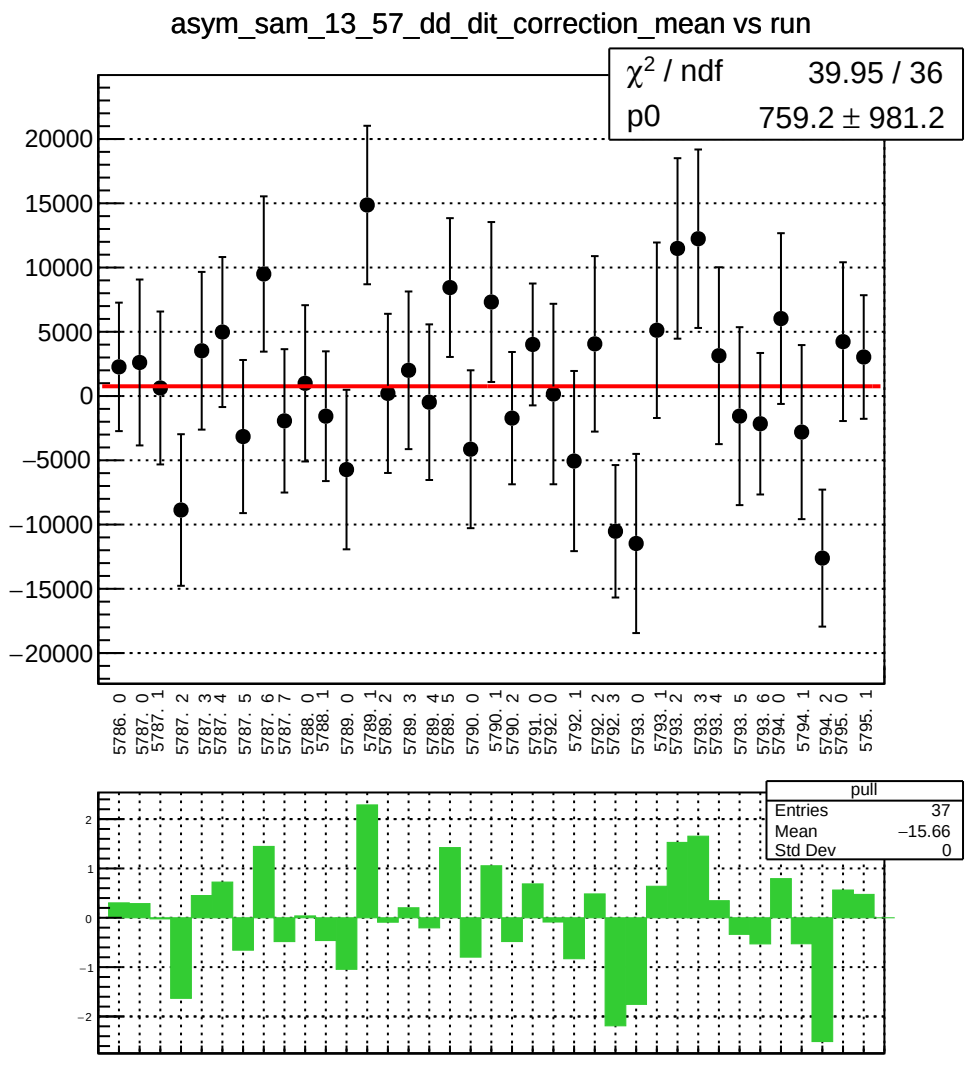
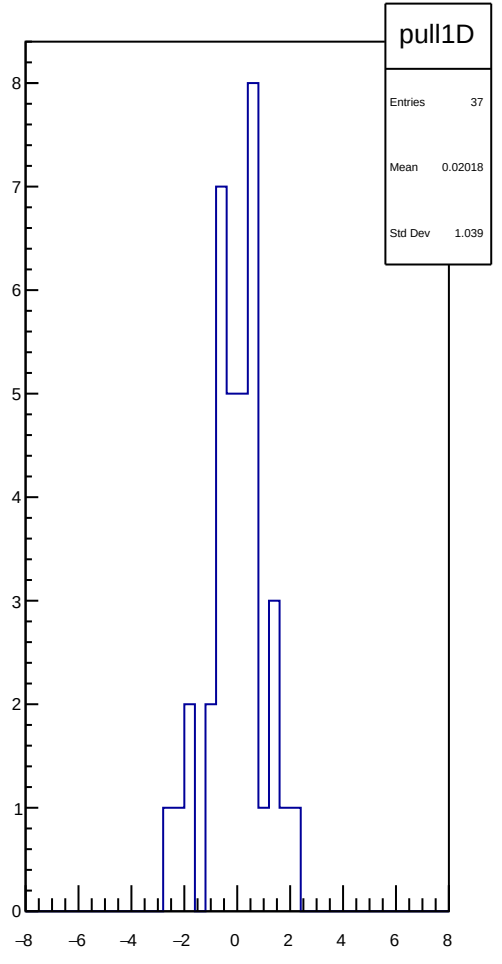
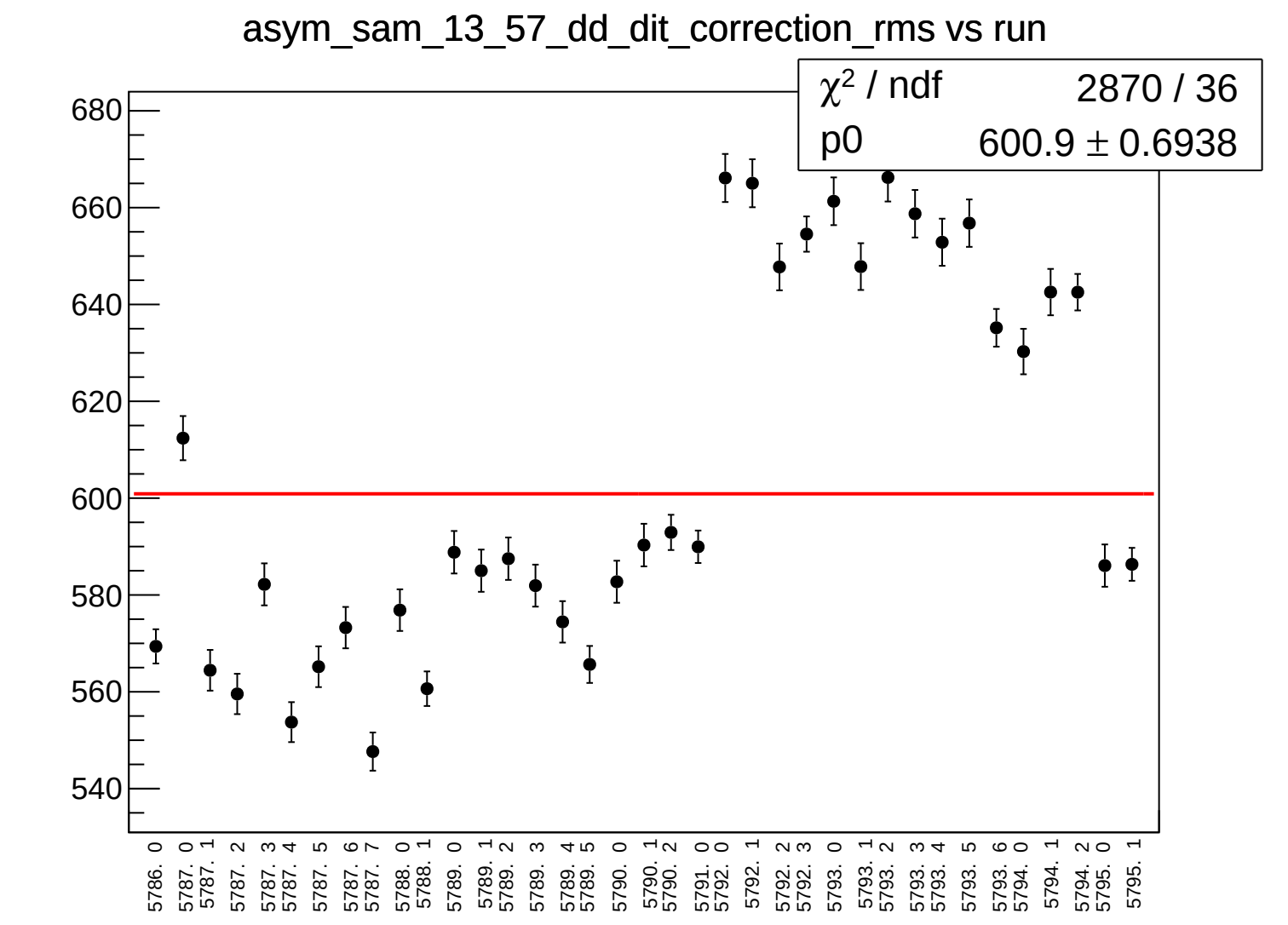
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_13_57_dd_dit_correction_mean vs run
χ² / ndf 39.95 / 36
p0 759.2 ± 981.2
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.66
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean 0.02018
Std Dev 1.039
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_13_57_dd_dit_correction_rms vs run
χ² / ndf 2870 / 36
p0 600.9 ± 0.6938
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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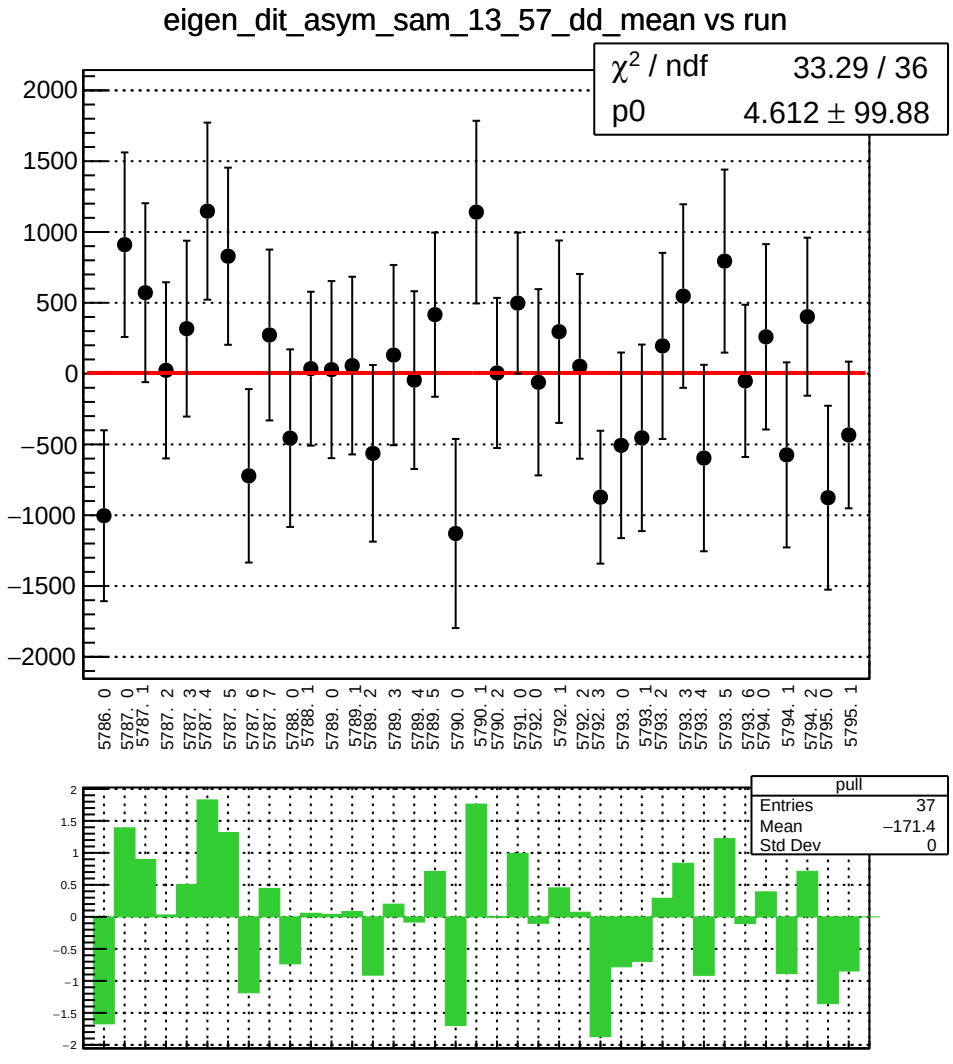
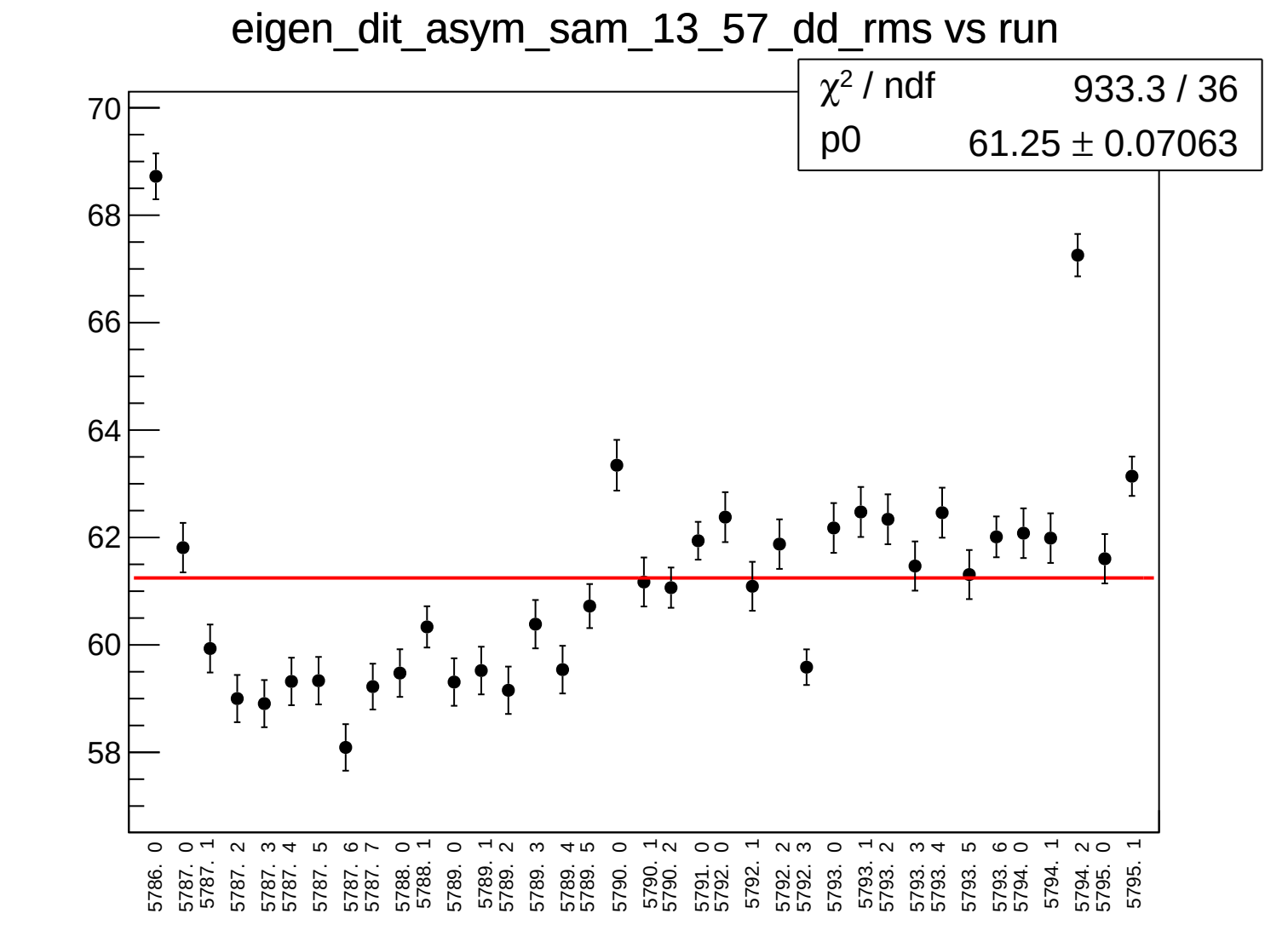
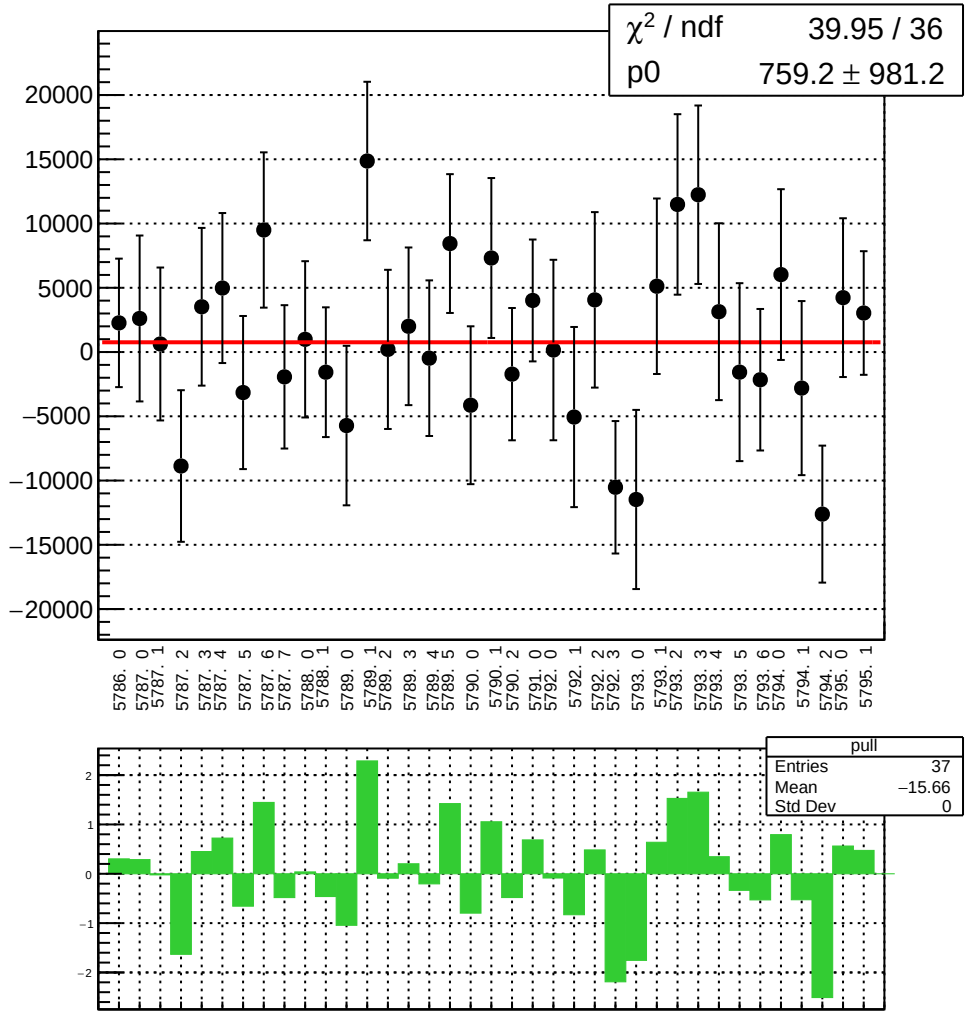
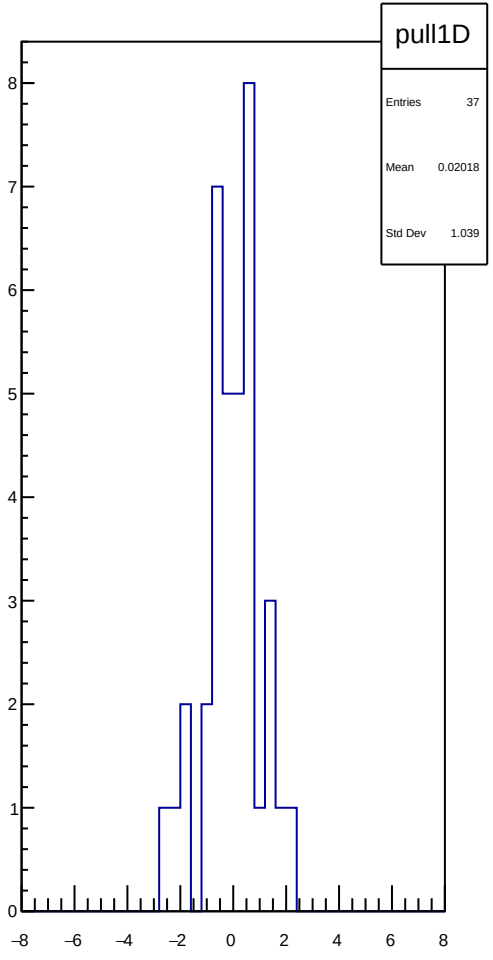
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

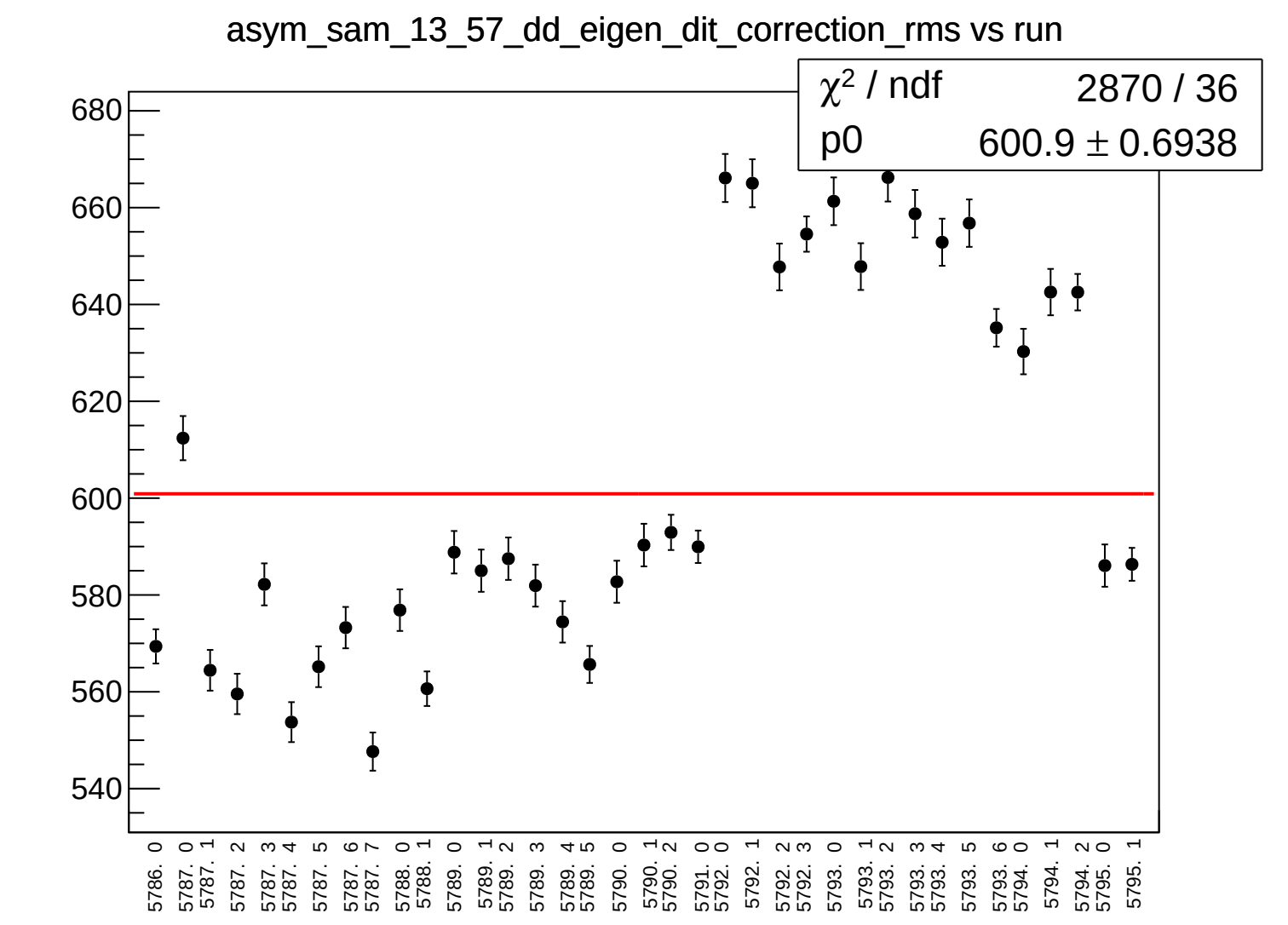

eigen_dit_asym_sam_13_57_dd_mean vs run
χ² / ndf 33.29 / 36
p0 4.612 ± 99.88
pull
Entries 37
Mean −171.4
Std Dev 0
pull1D
Entries 37
Mean 0.01075
Std Dev 0.9485

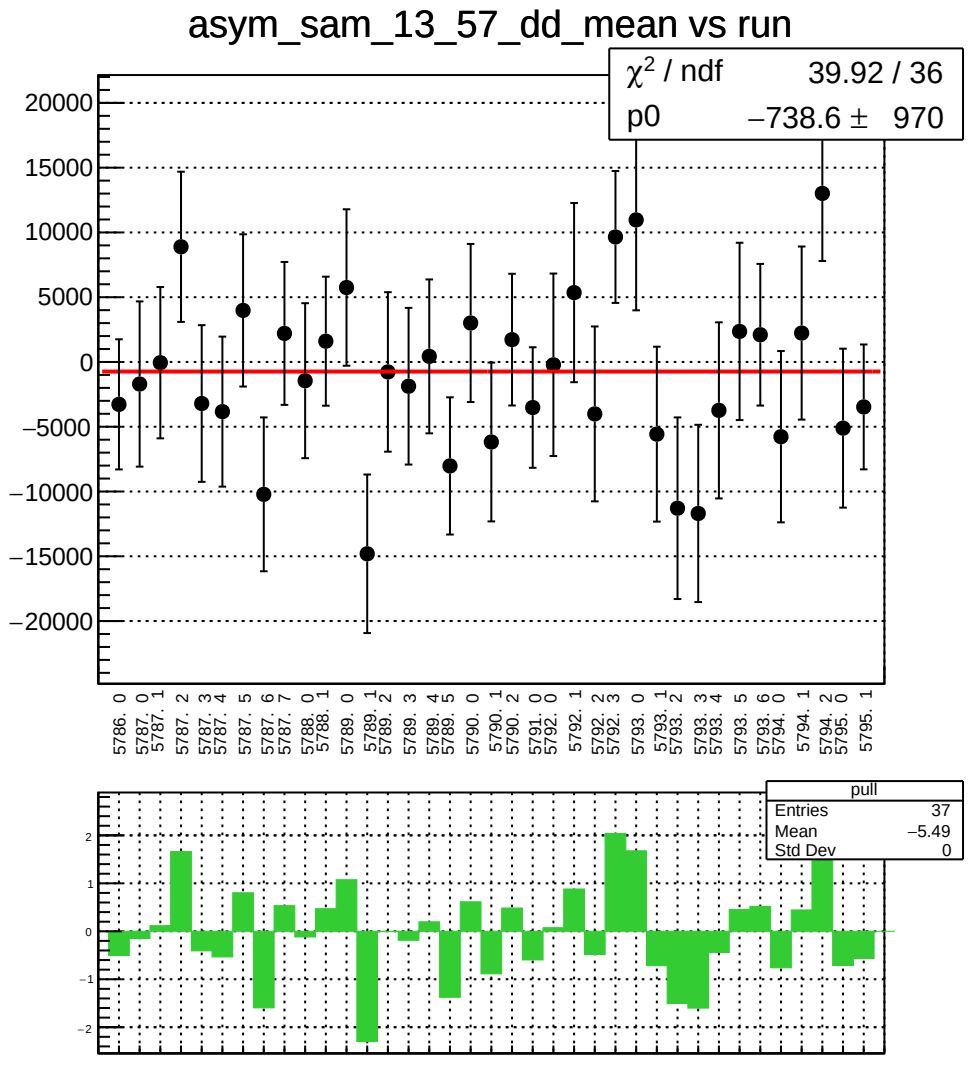

eigen_dit_asym_sam_13_57_dd_rms vs run
χ² / ndf 933.3 / 36
p0 61.25 ± 0.07063
70
68
66
64
62
60
58
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

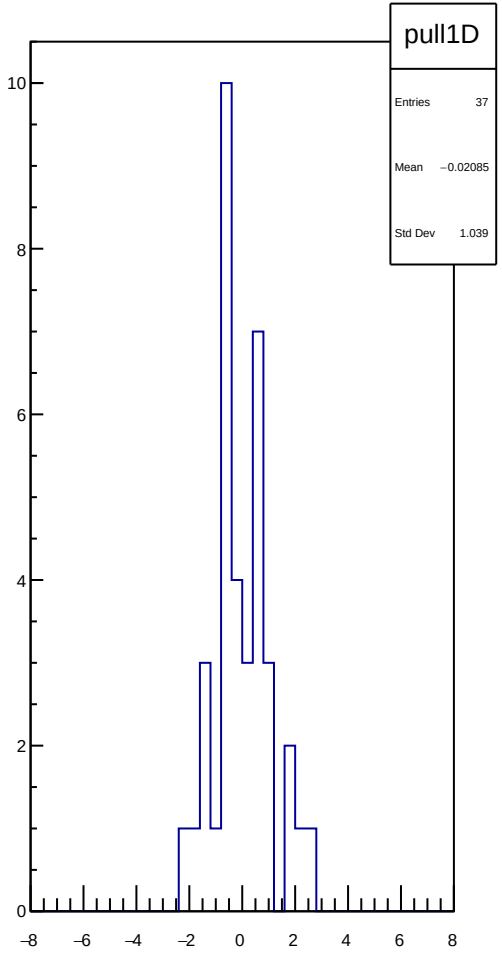
asym_sam_13_57_dd_eigen_dit_correction_mean vs run

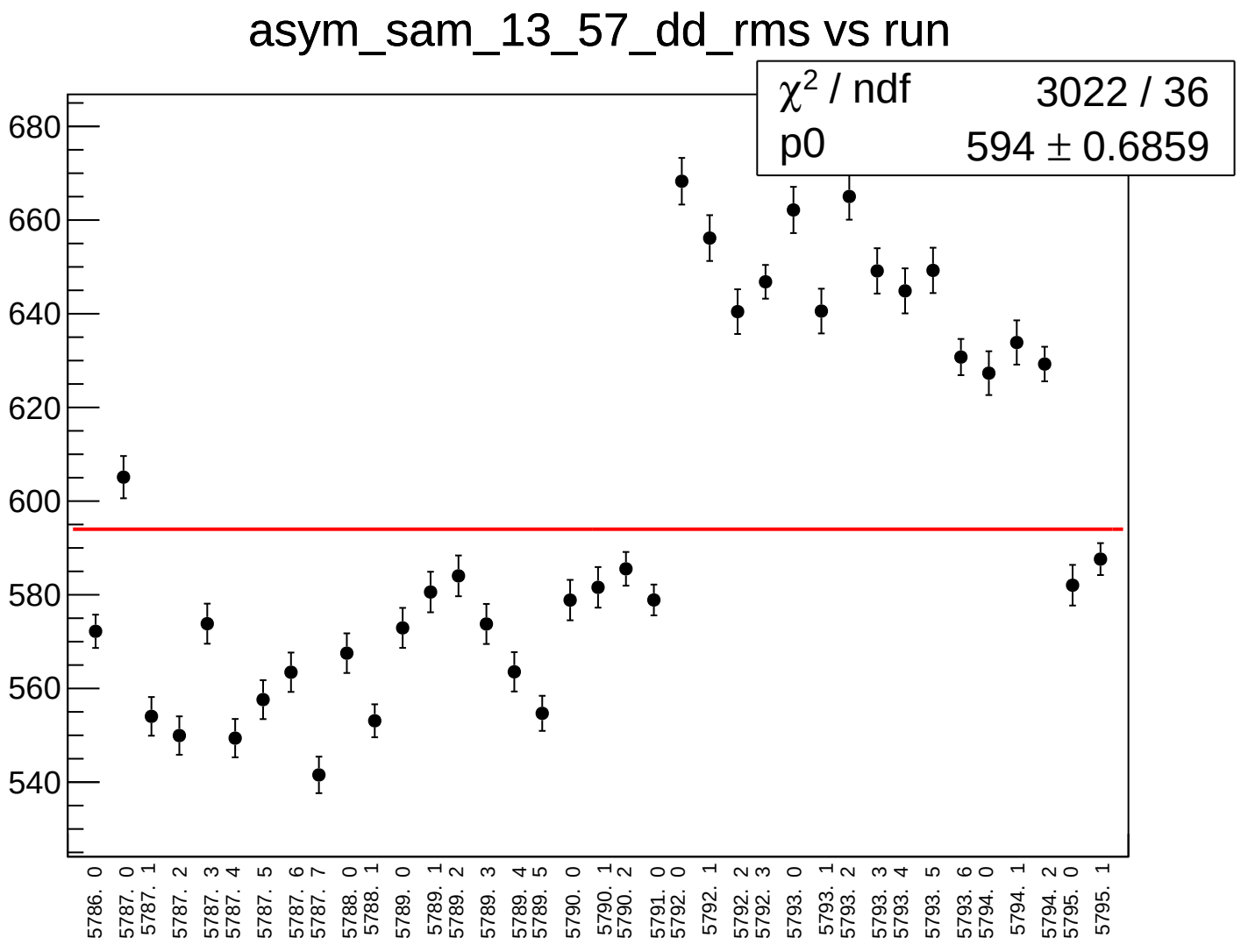


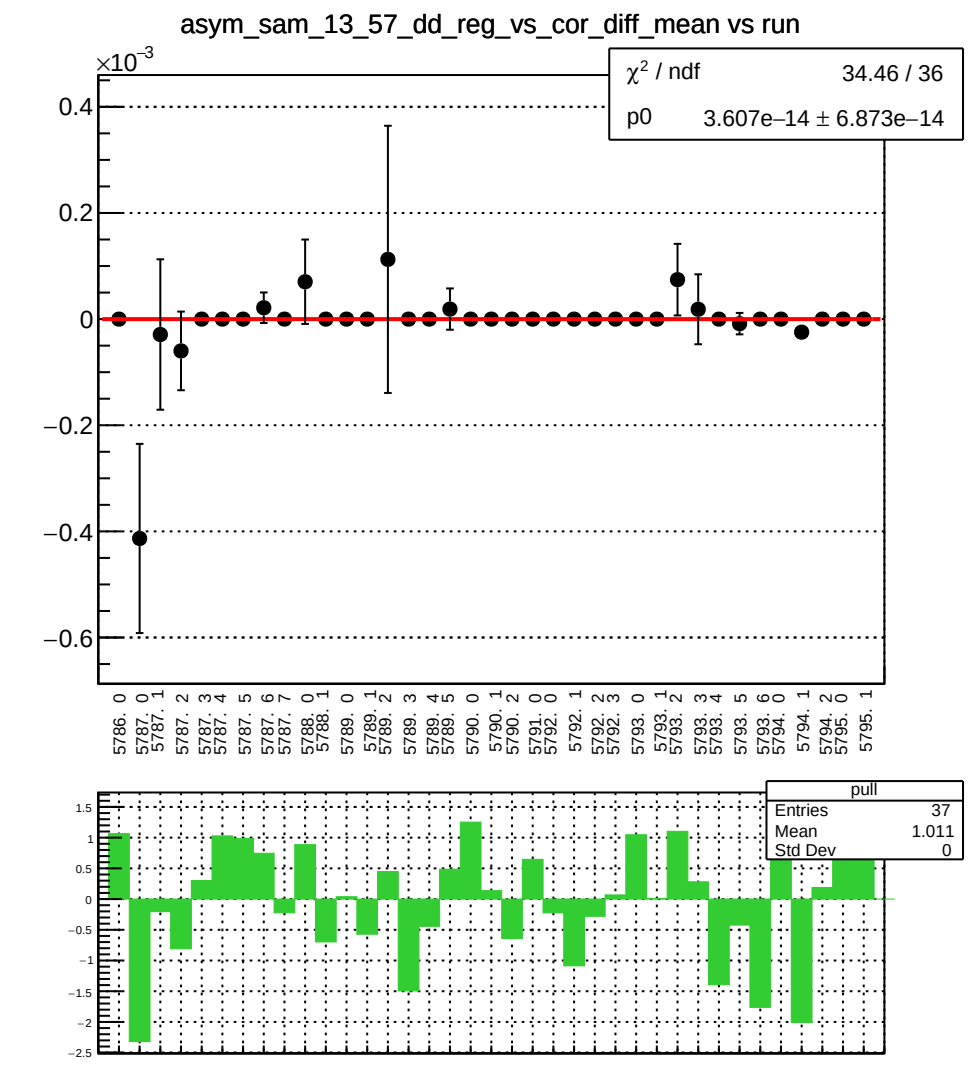


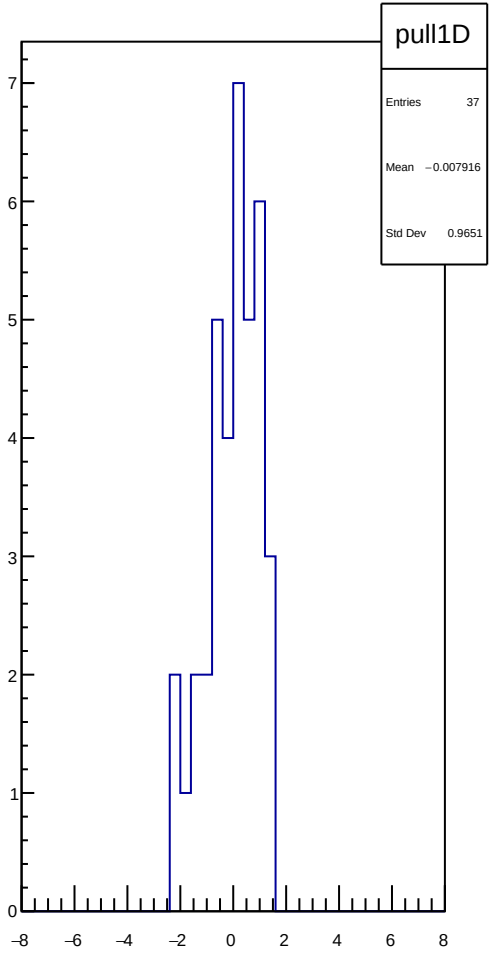

asym_sam_13_57_dd_eigen_dit_correction_rms vs run
χ² / ndf 2870 / 36
p0 600.9 ± 0.6938
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

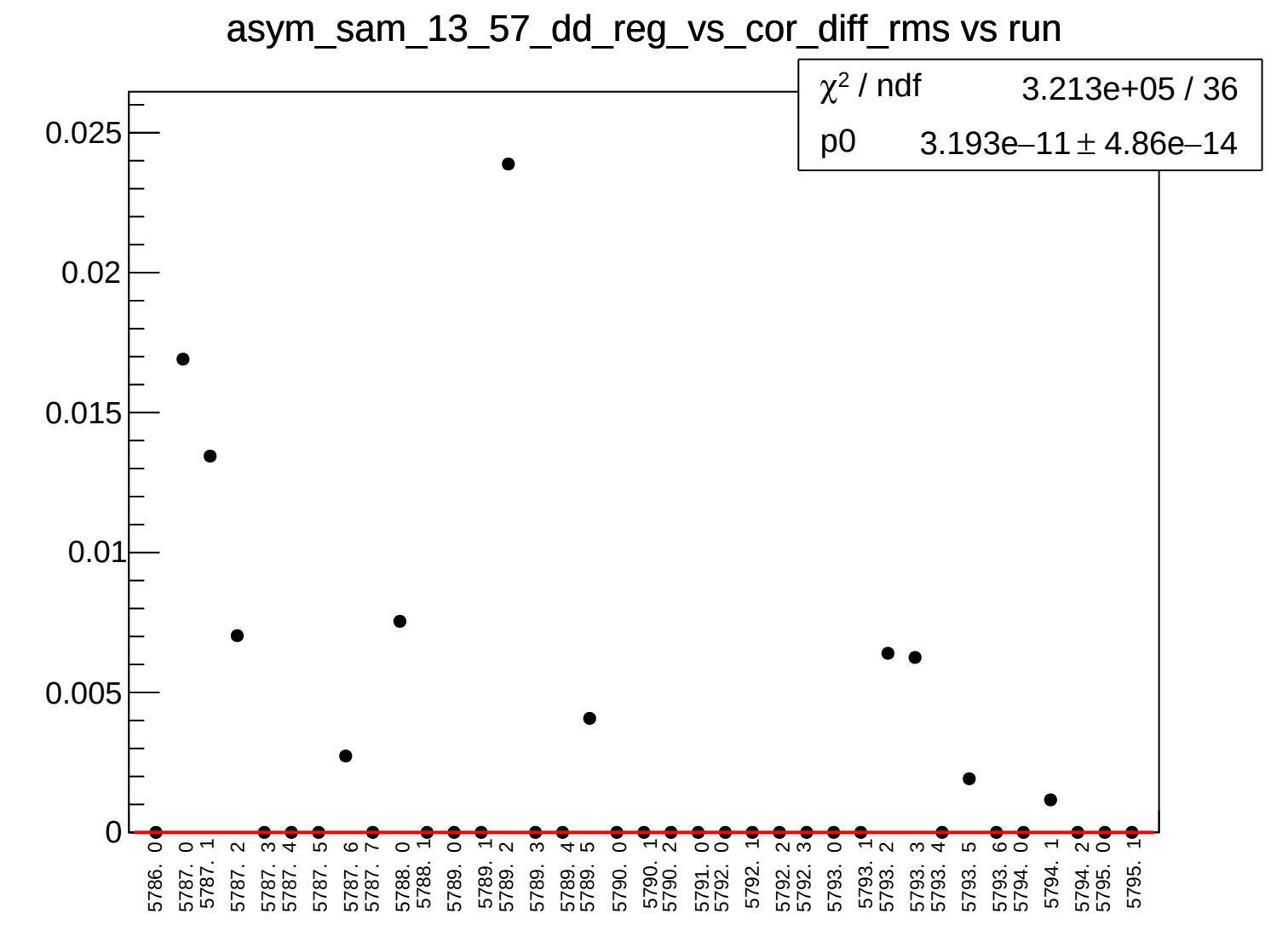

asym_sam_13_57_dd_mean vs run
χ² / ndf 39.92 / 36
p0 −738.6 ± 970
20000
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.49
Std Dev 0
2
1
0
−1
−2

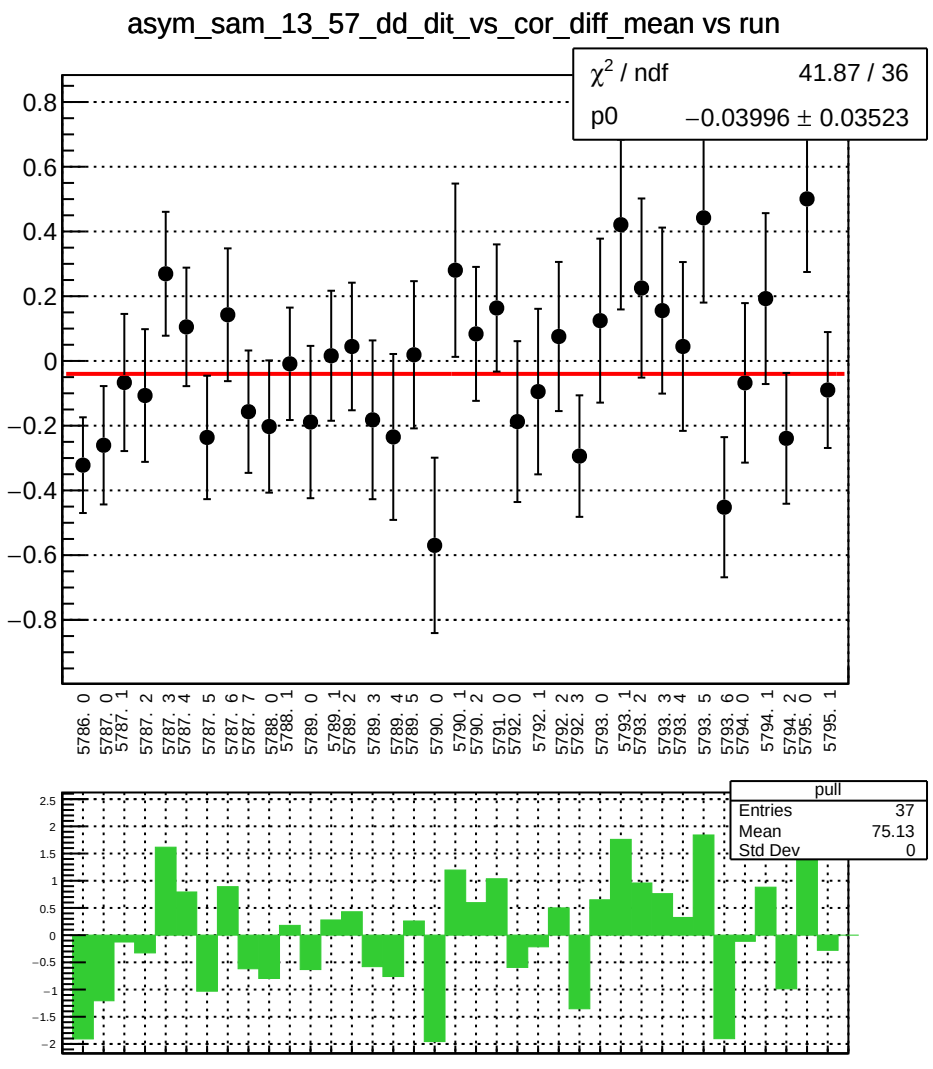

pull1D
Entries 37
Mean −0.02085
Std Dev 1.039
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

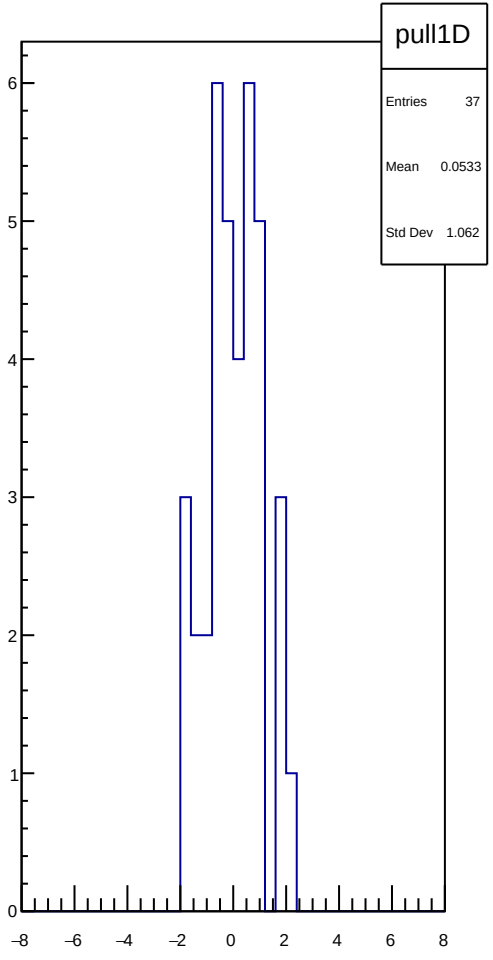

asym_sam_13_57_dd_rms vs run
χ² / ndf 3022 / 36
p0 594 ± 0.6859
680
660
640
620
600
580
560
540
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

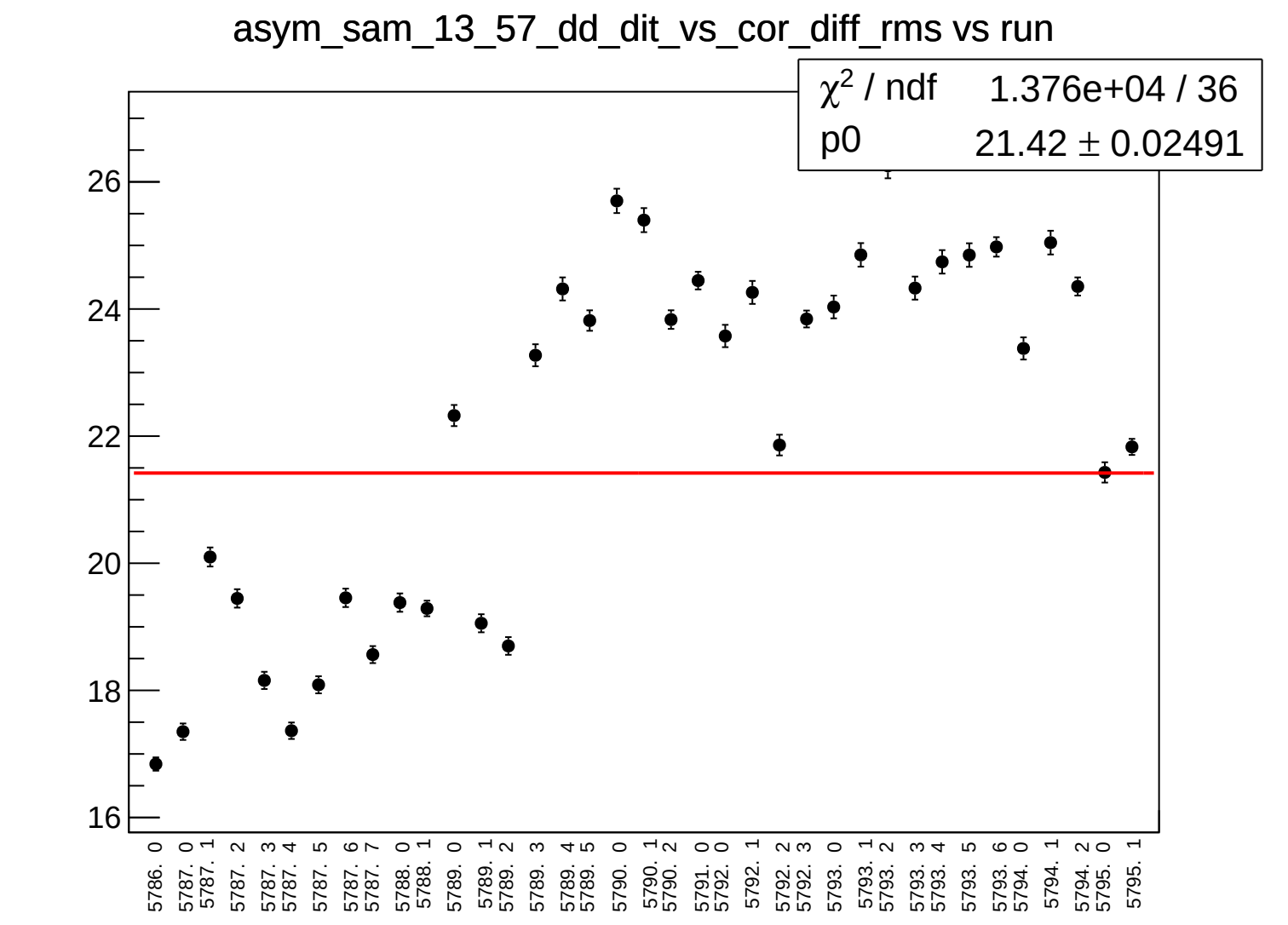

asym_sam_13_57_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 34.46 / 36
p0 3.607e−14 ± 6.873e−14
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.011
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

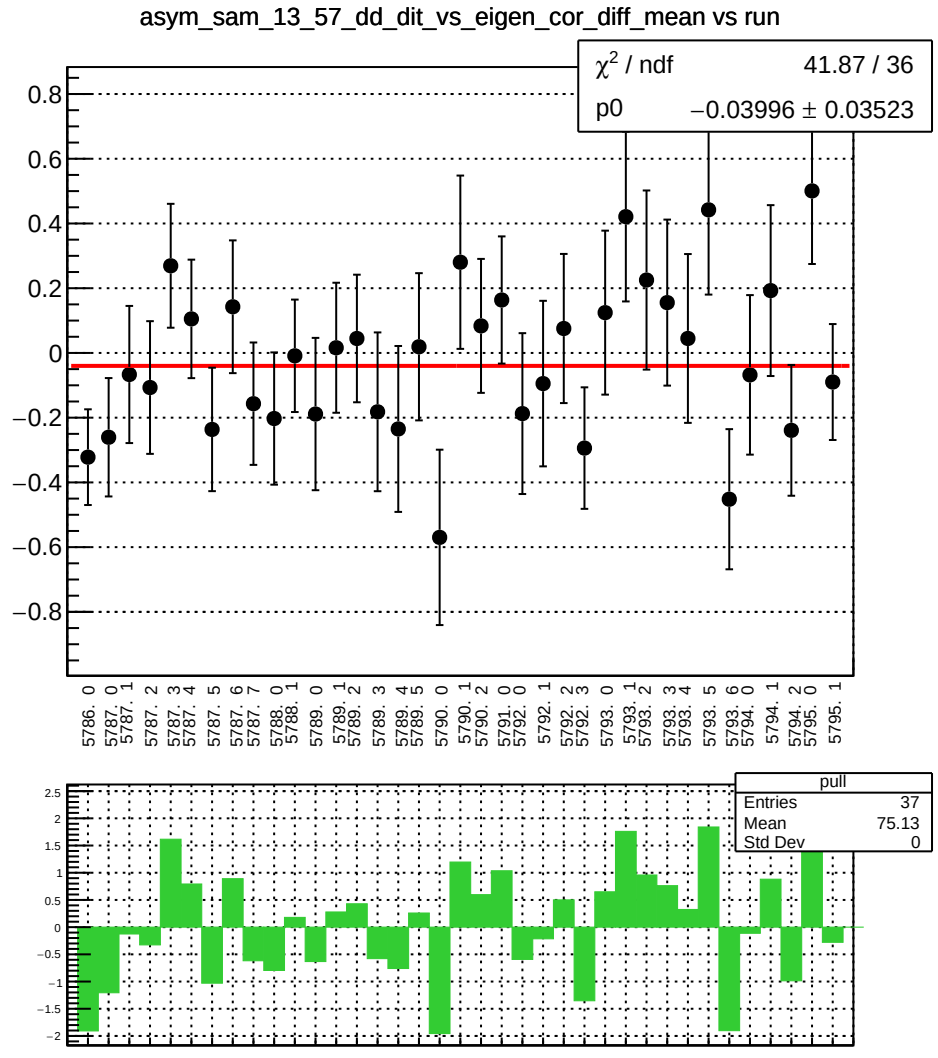

pull1D
Entries 37
Mean −0.007916
Std Dev 0.9651
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

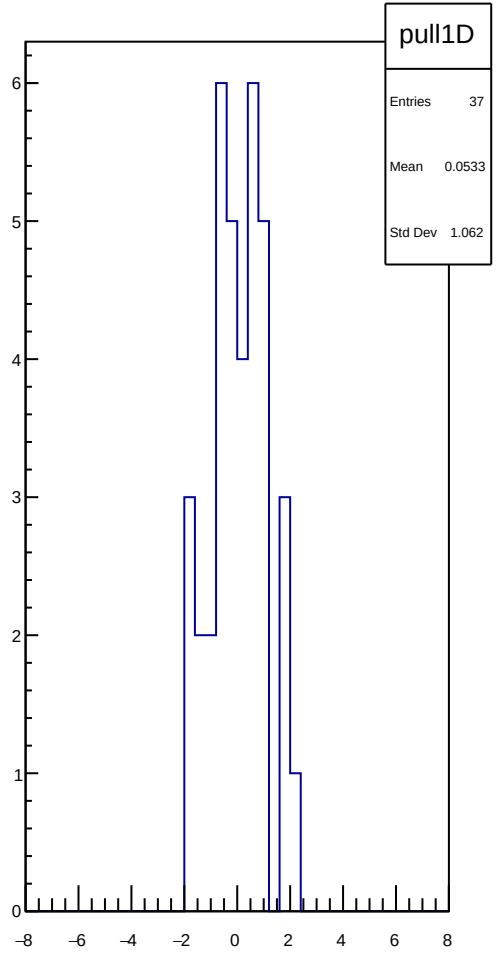

asym_sam_13_57_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.213e+05 / 36
p0 3.193e−11 ± 4.86e−14
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

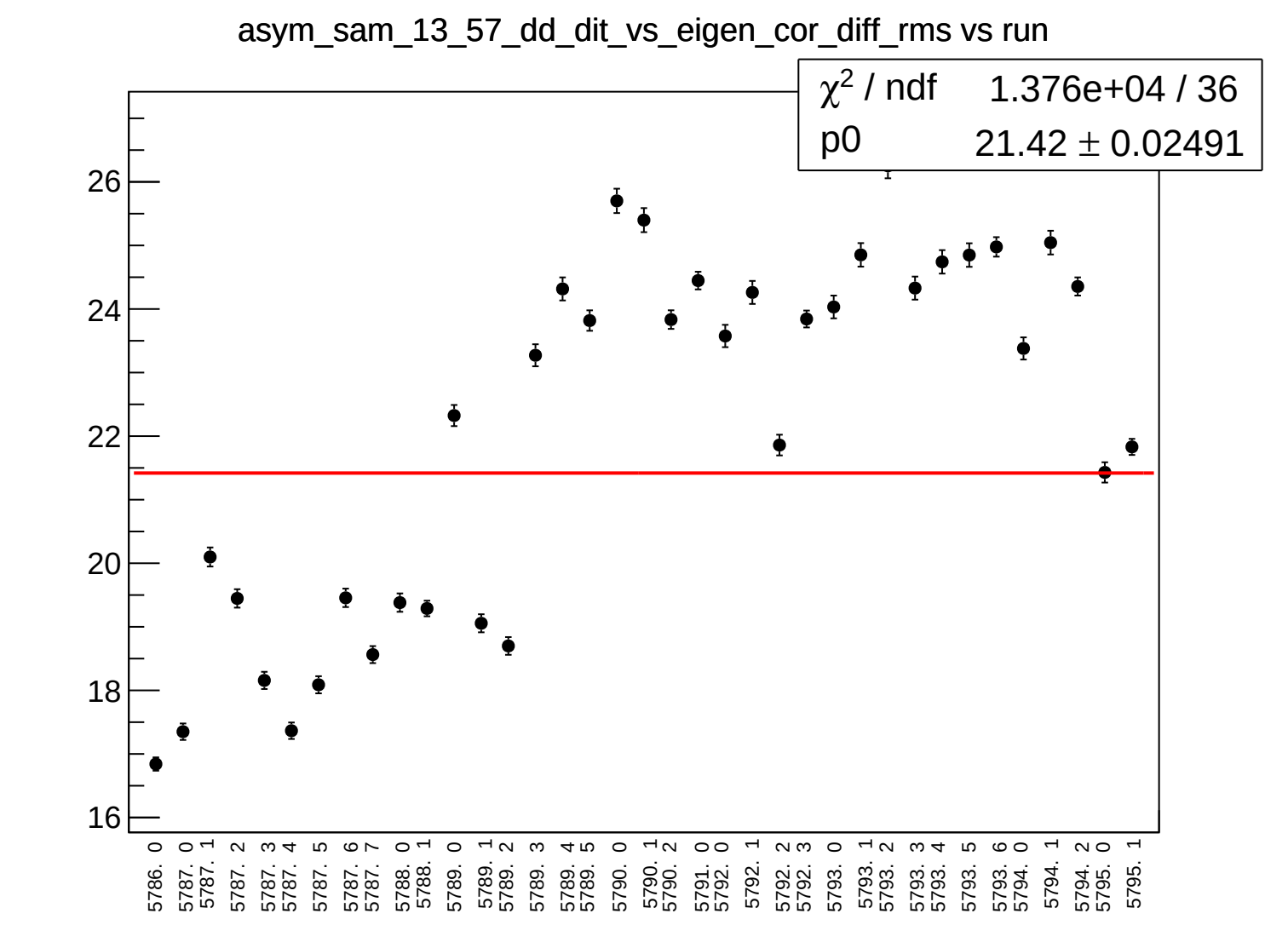

asym_sam_13_57_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 41.87 / 36
p0 −0.03996 ± 0.03523
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 75.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

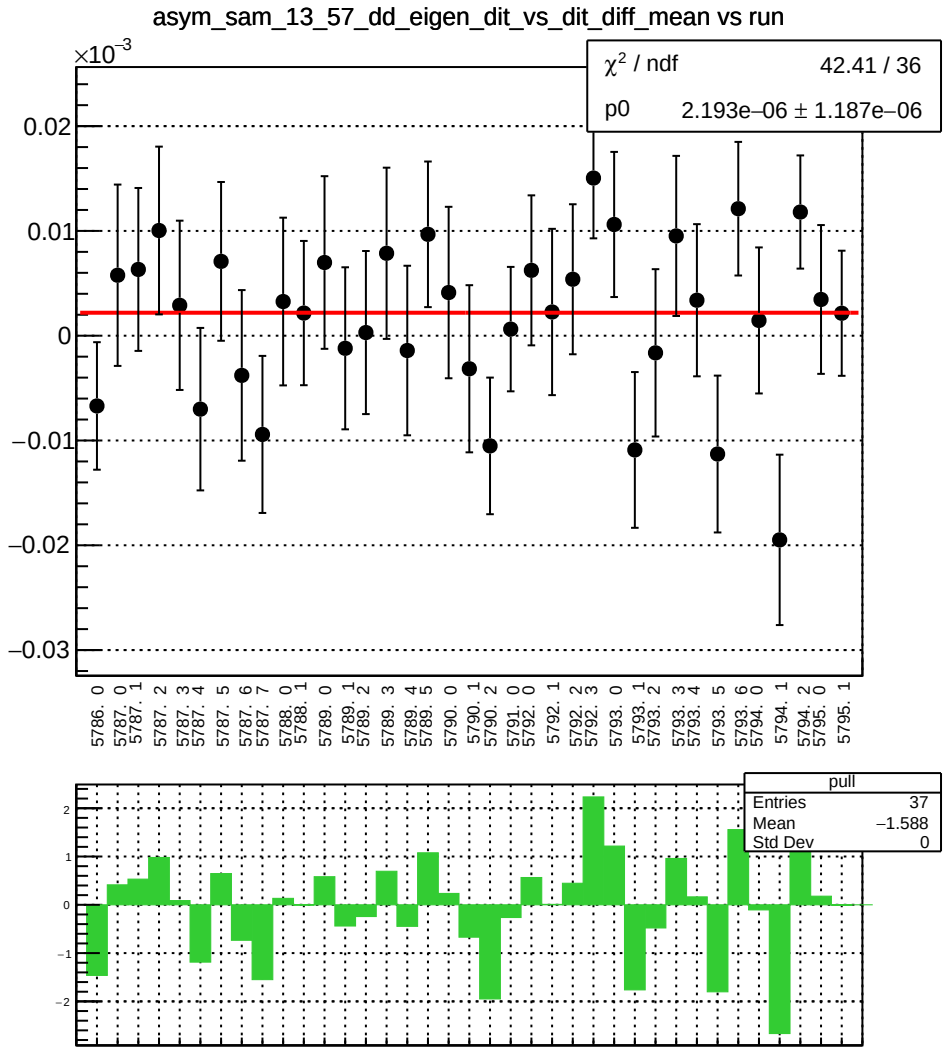

pull1D
Entries 37
Mean 0.0533
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

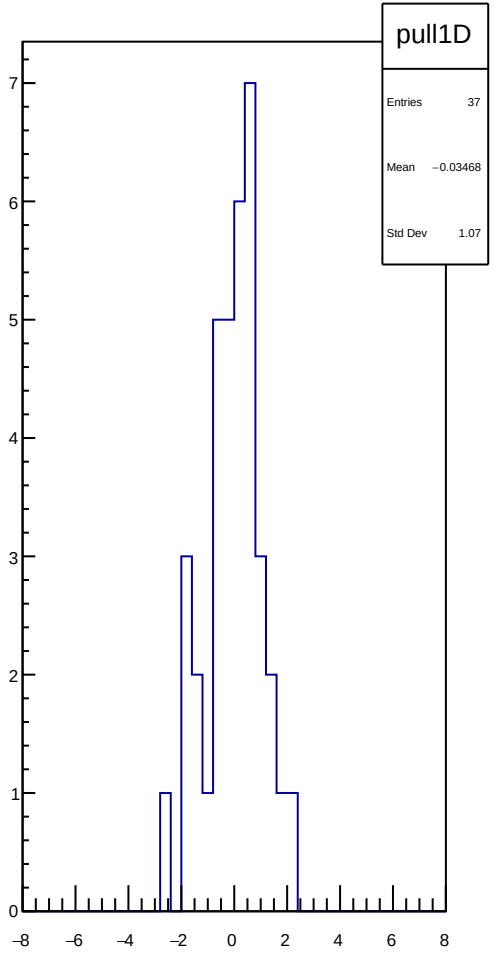

asym_sam_13_57_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.376e+04 / 36
p0 21.42 ± 0.02491
26
24
22
20
18
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

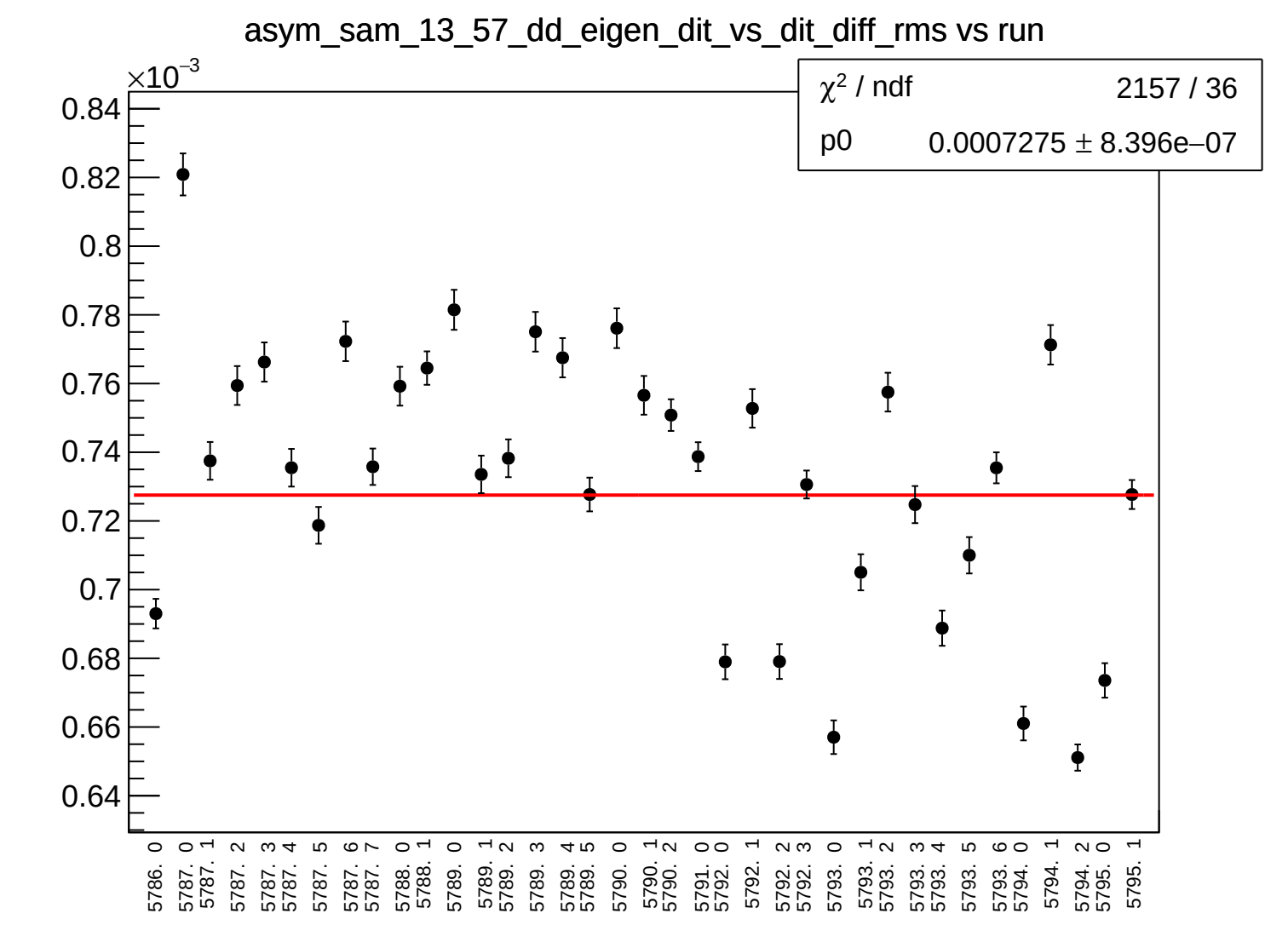

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.87 / 36
p0 −0.03996 ± 0.03523
pull
Entries 37
Mean 75.13
Std Dev 0

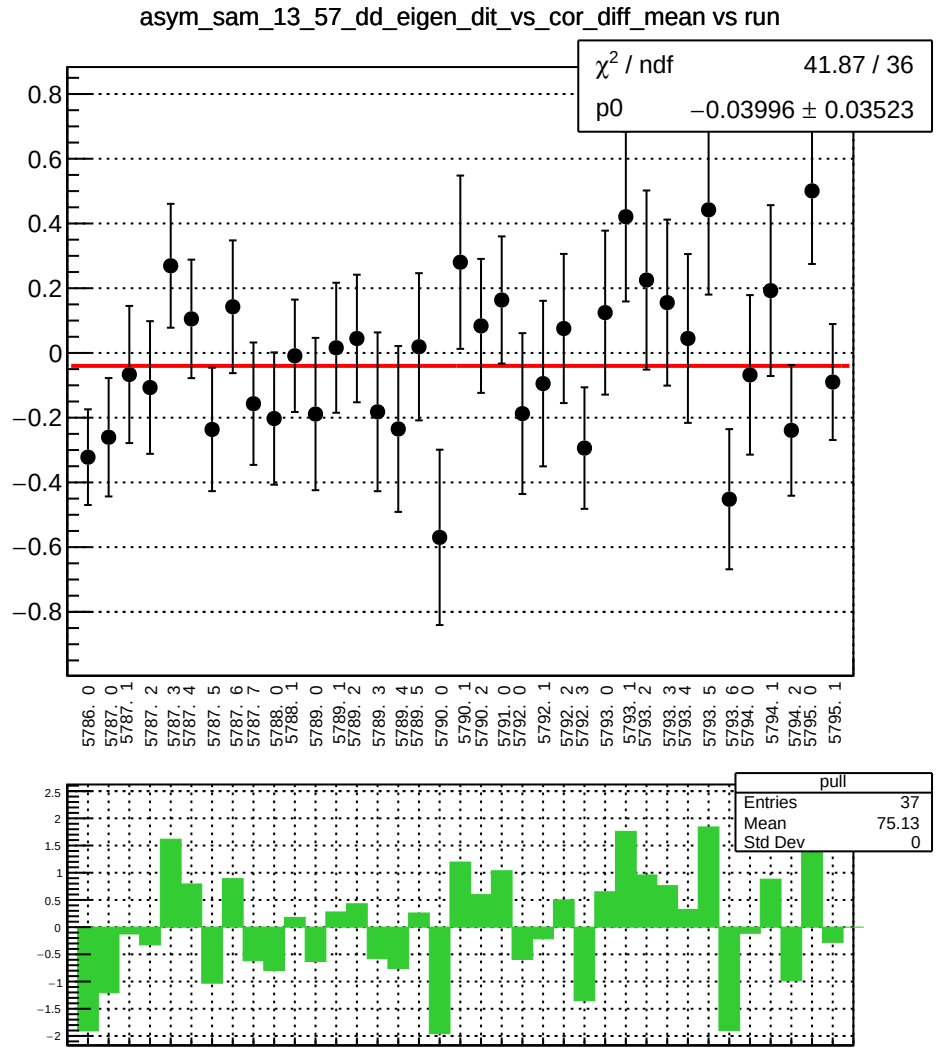

pull1D
Entries 37
Mean 0.0533
Std Dev 1.062

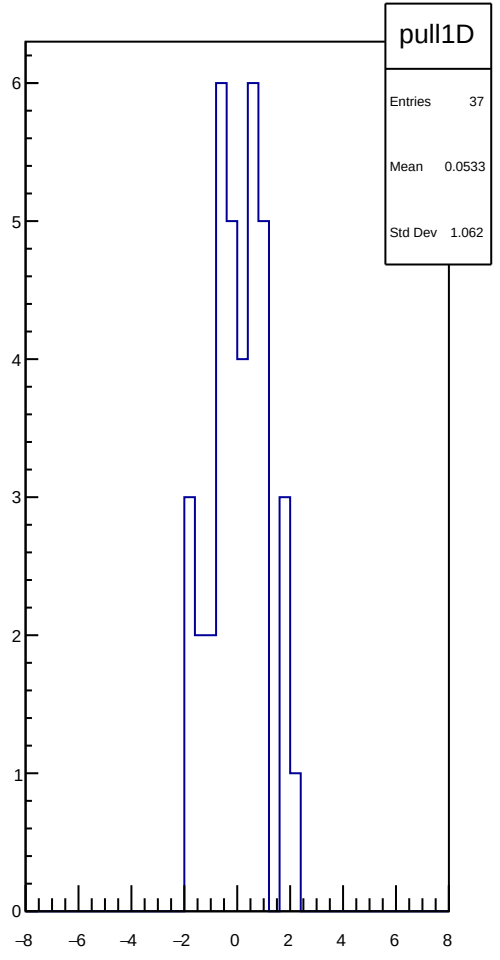

asym_sam_13_57_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.376e+04 / 36
p0 21.42 ± 0.02491
26
24
22
20
18
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

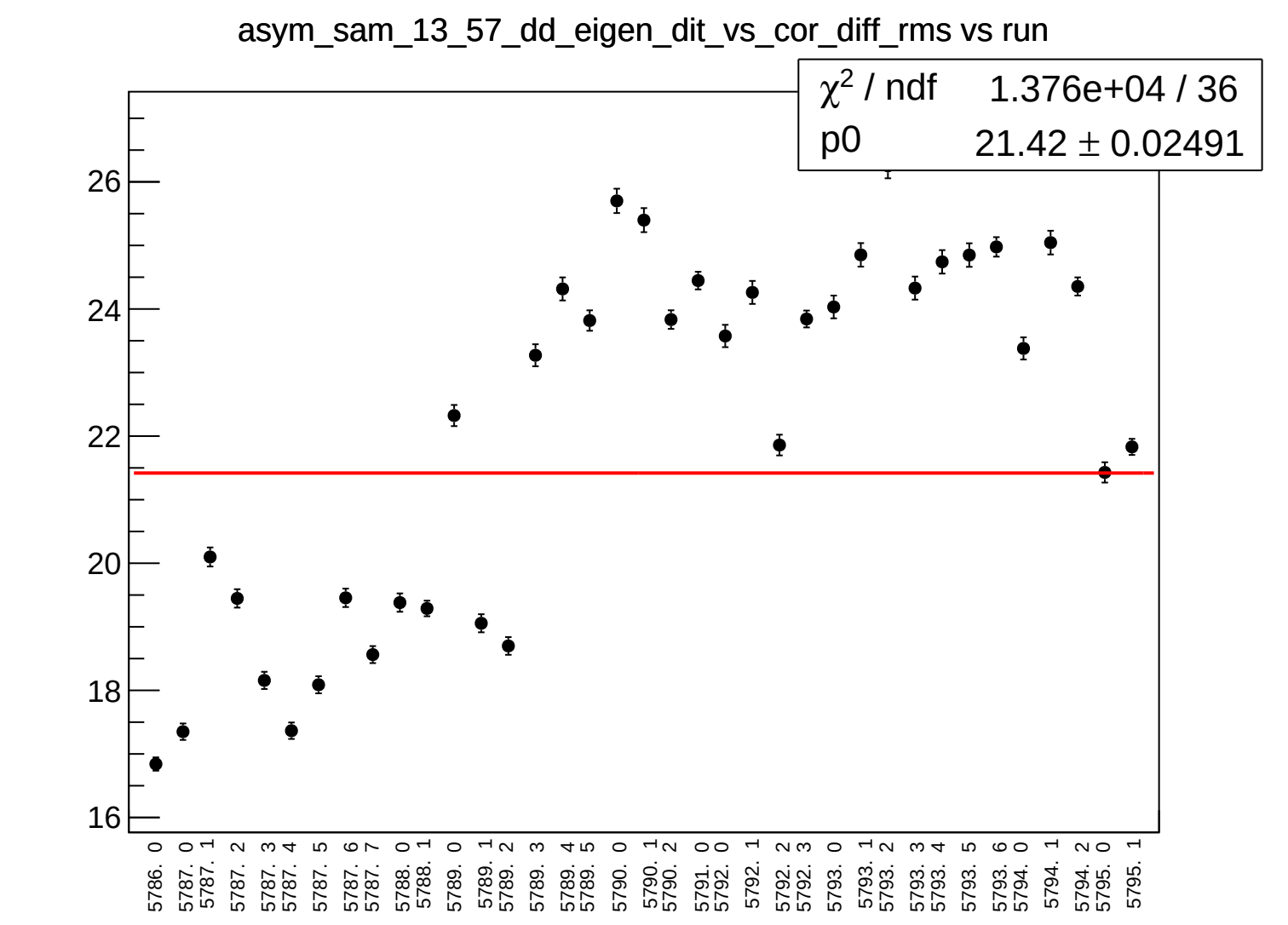

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_mean vs run
×10^−3
χ² / ndf 42.41 / 36
p0 2.193e−06 ± 1.187e−06
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.588
Std Dev 0
2
1
0
−1
−2

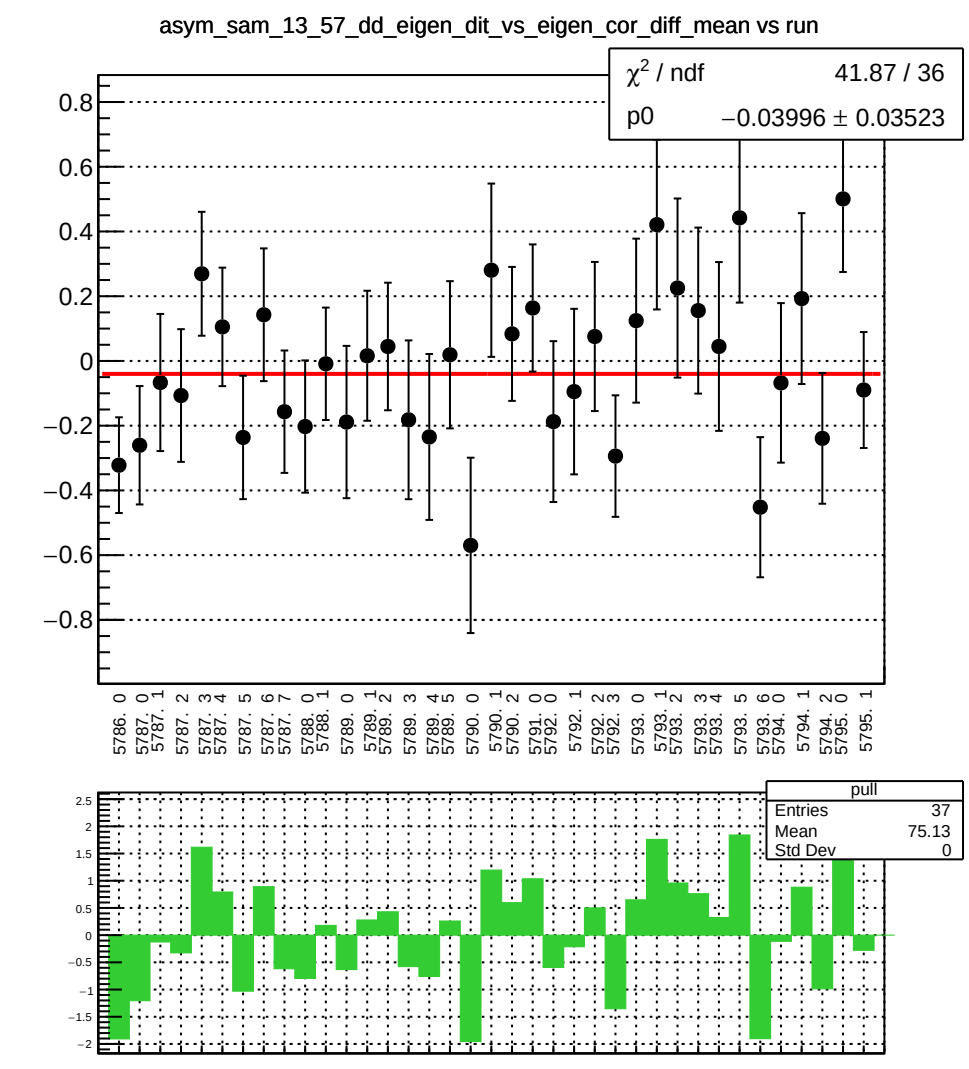

pull1D
Entries 37
Mean −0.03468
Std Dev 1.07
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

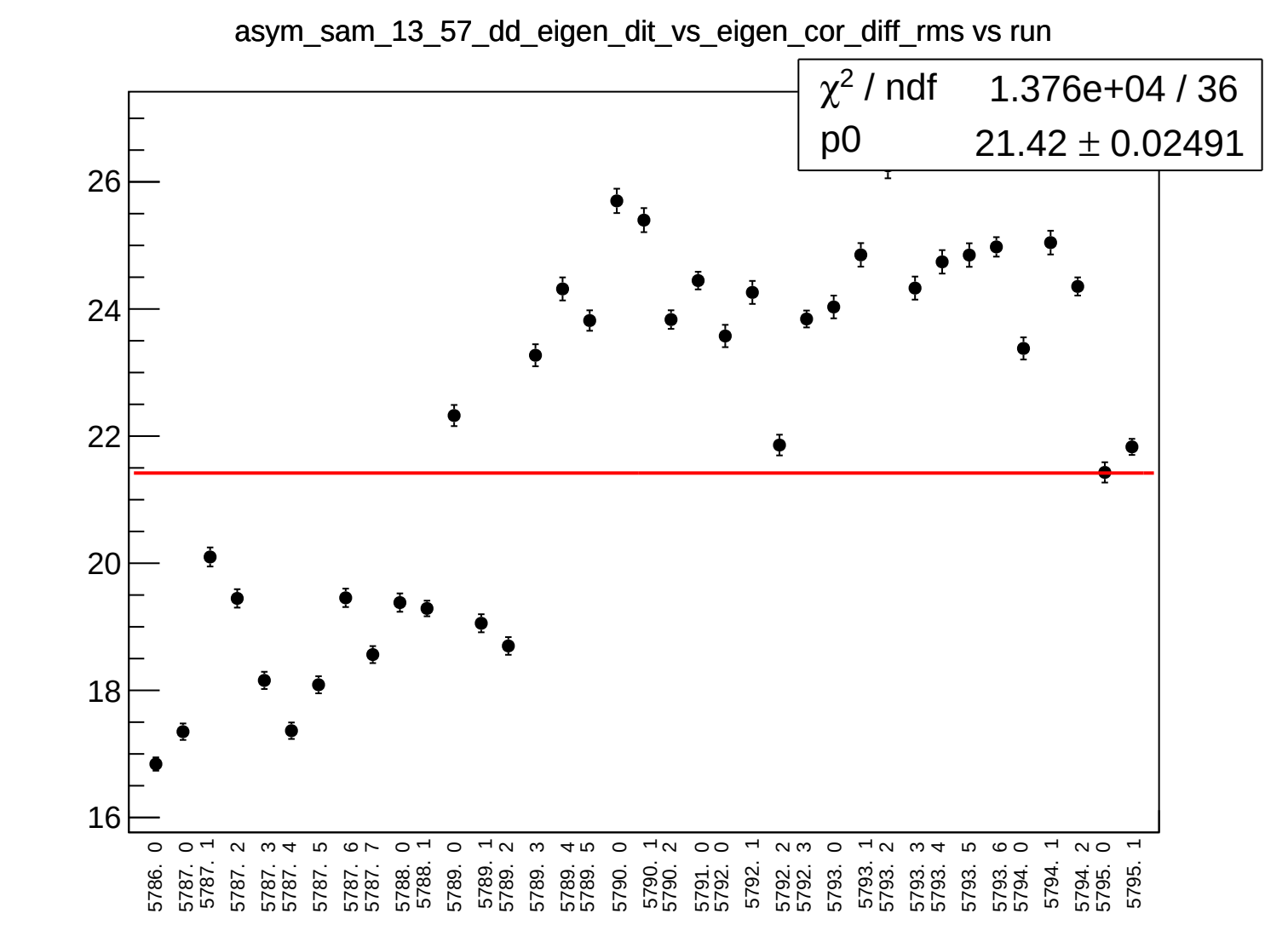

asym_sam_13_57_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2157 / 36
p0 0.0007275 ± 8.396e−07
0.84
0.82
0.8
0.78
0.76
0.74
0.72
0.7
0.68
0.66
0.64
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

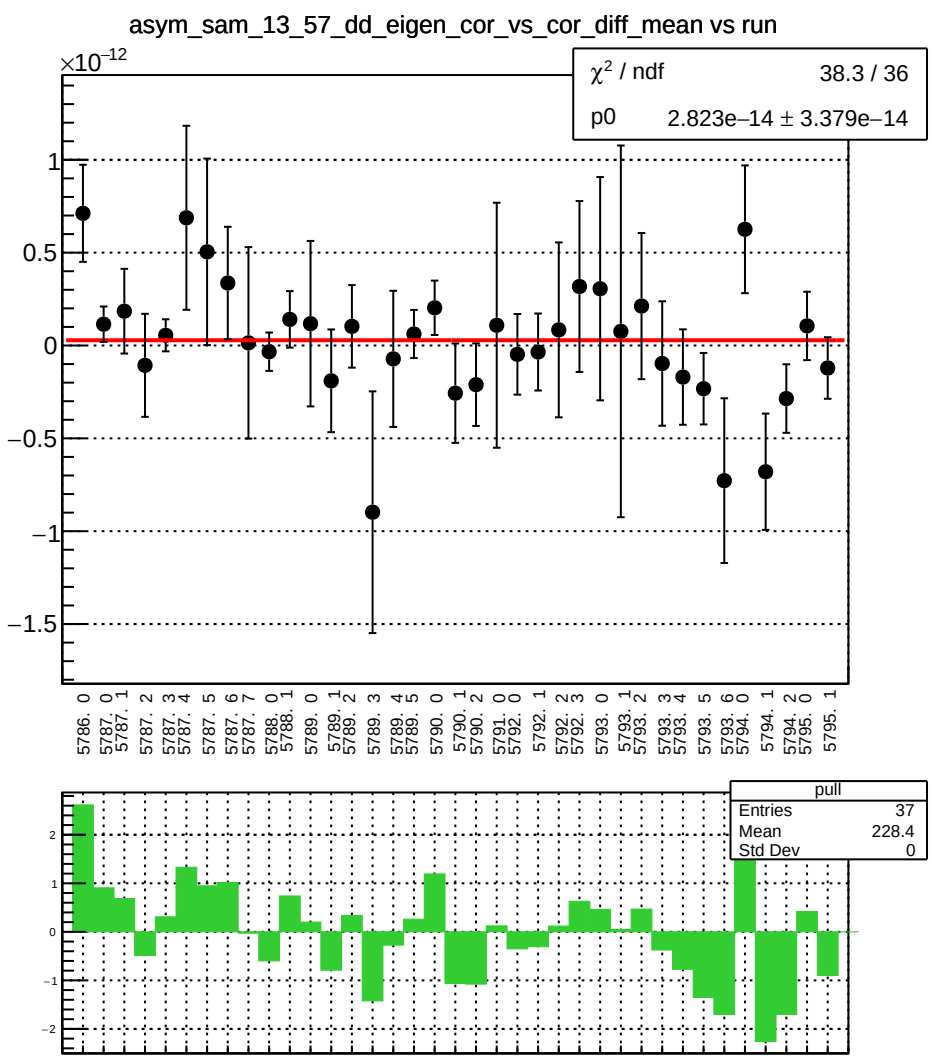

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 41.87 / 36
p0 −0.03996 ± 0.03523
pull
Entries 37
Mean 75.13
Std Dev 0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

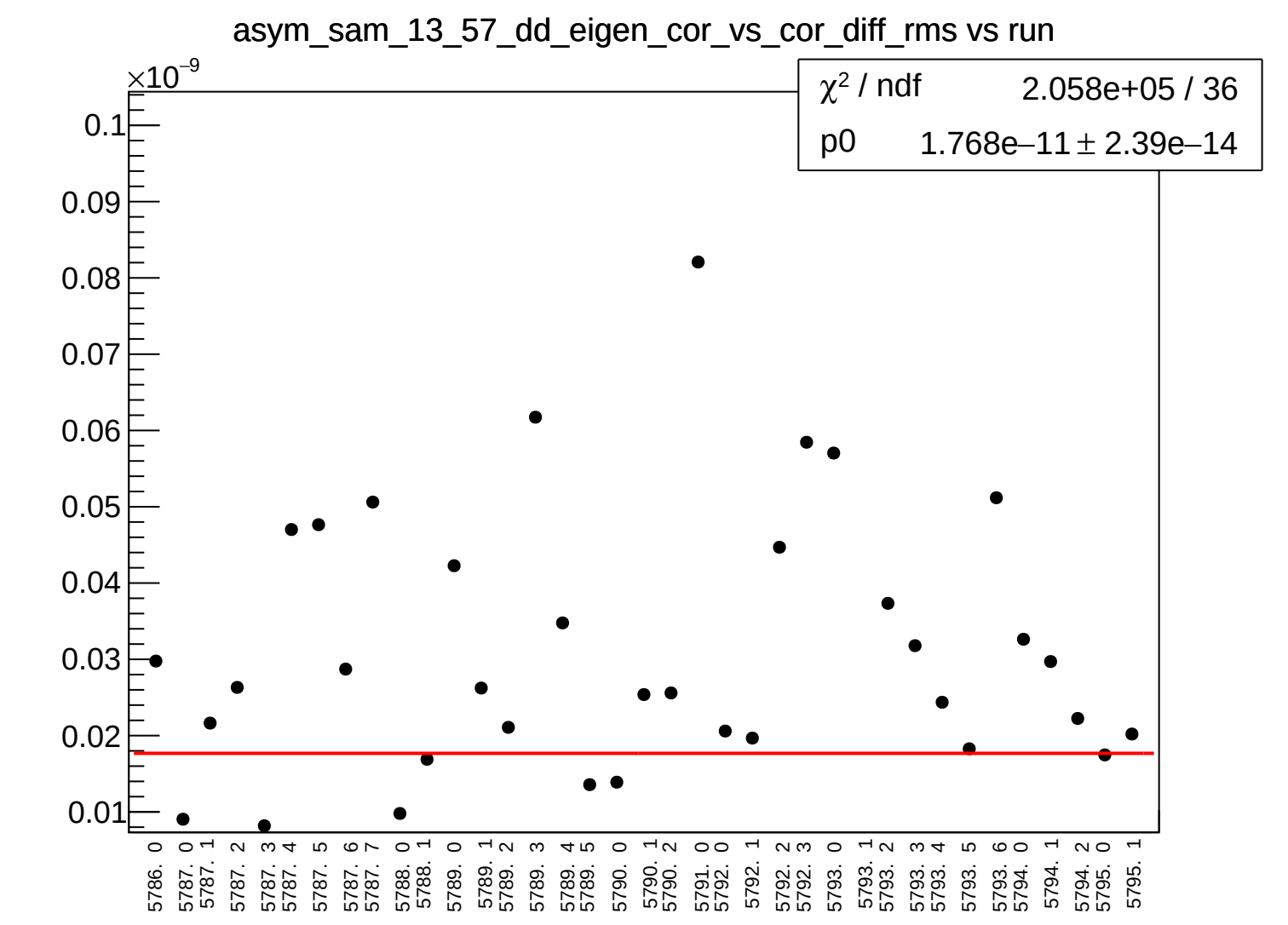

pull1D
Entries 37
Mean 0.0533
Std Dev 1.062

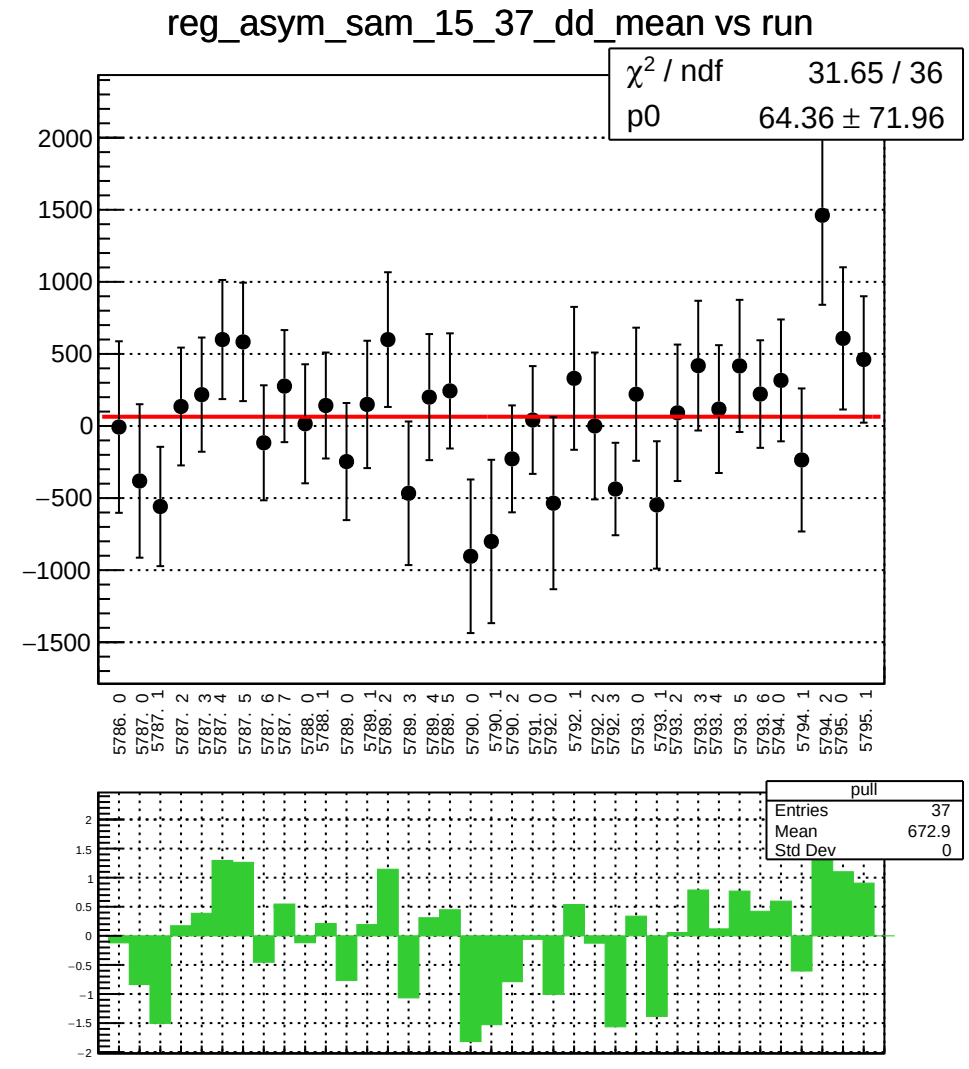

asym_sam_13_57_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.376e+04 / 36
p0 21.42 ± 0.02491
26
24
22
20
18
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

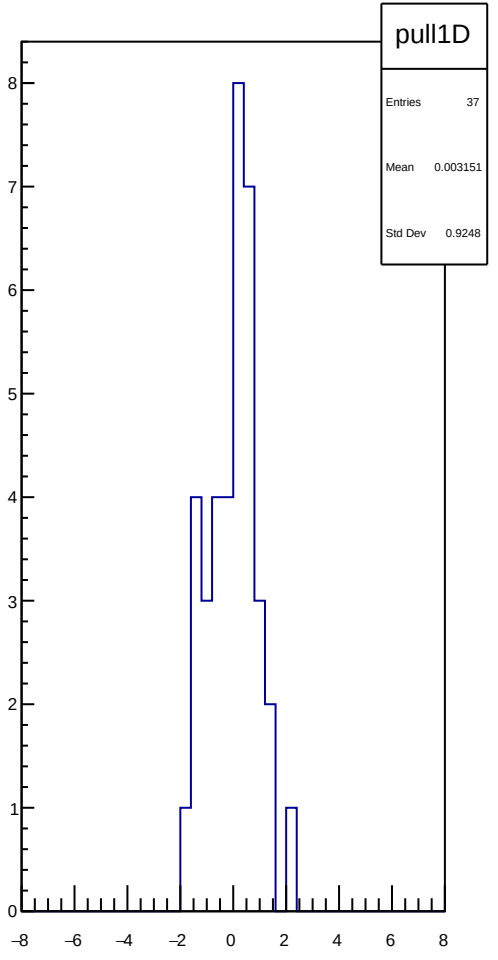

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 41.87 / 36
p0 −0.03996 ± 0.03523
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 75.13
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0533
Std Dev 1.062
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

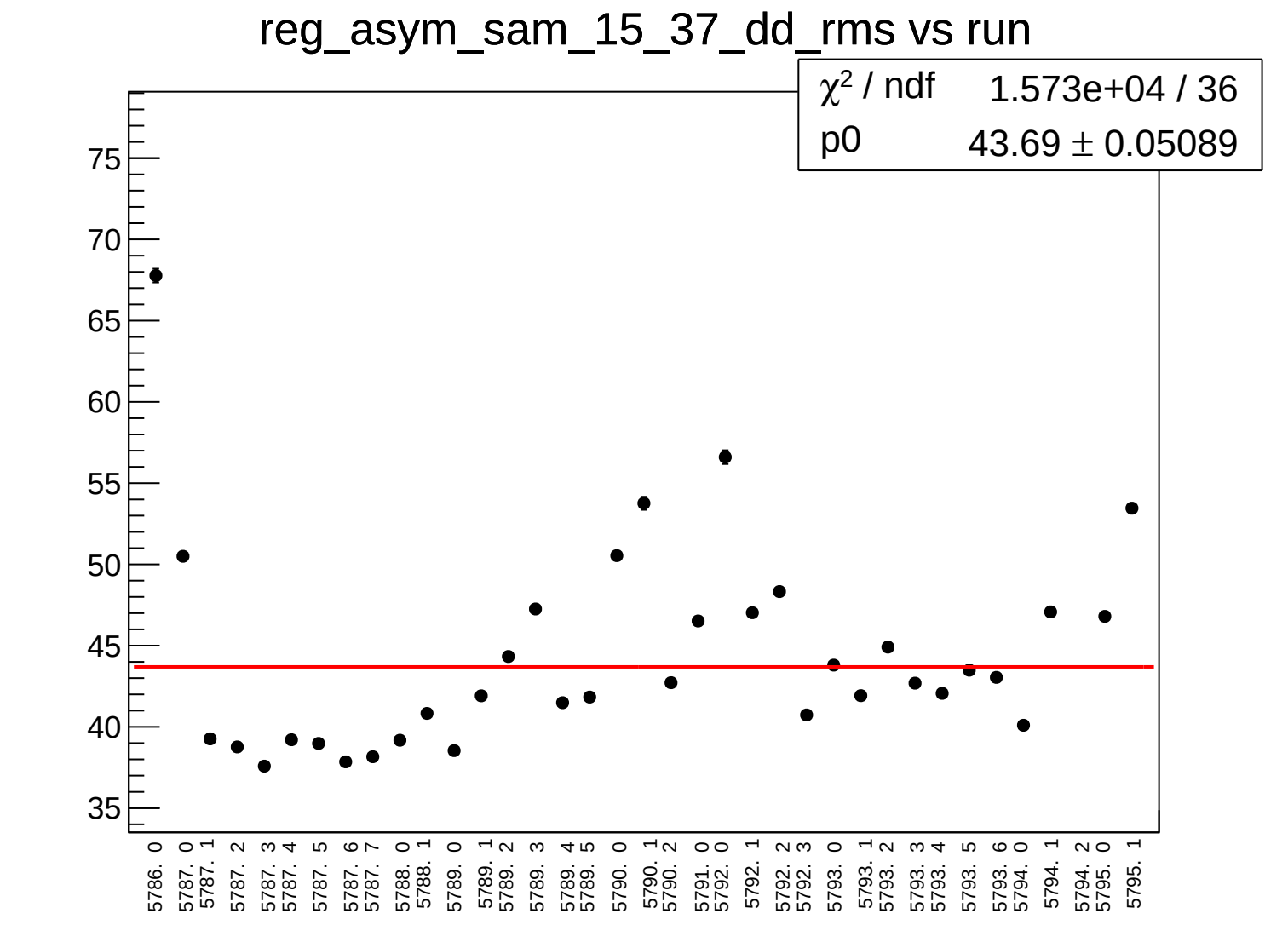

asym_sam_13_57_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.376e+04 / 36
p0 21.42 ± 0.02491
26
24
22
20
18
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

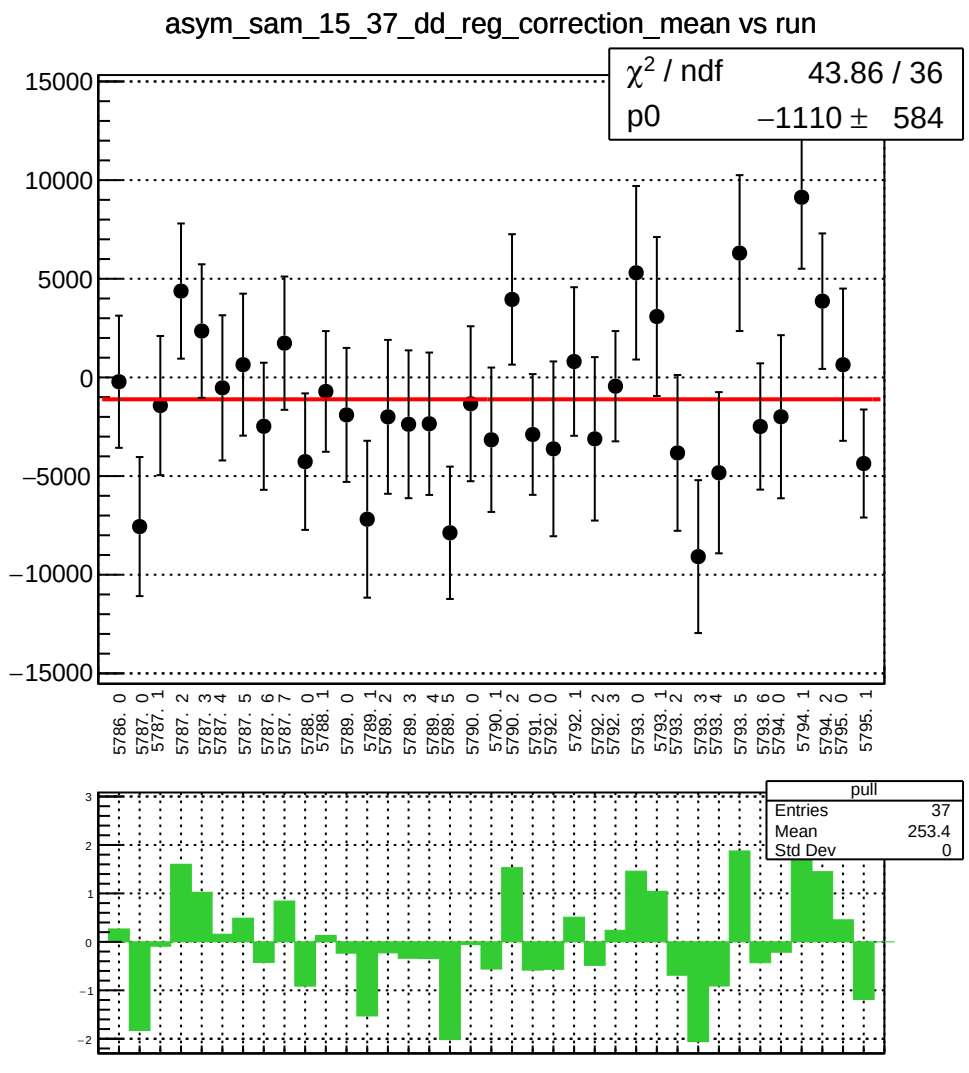

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 38.3 / 36
p0 2.823e−14 ± 3.379e−14
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 228.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02467
Std Dev 1.017
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

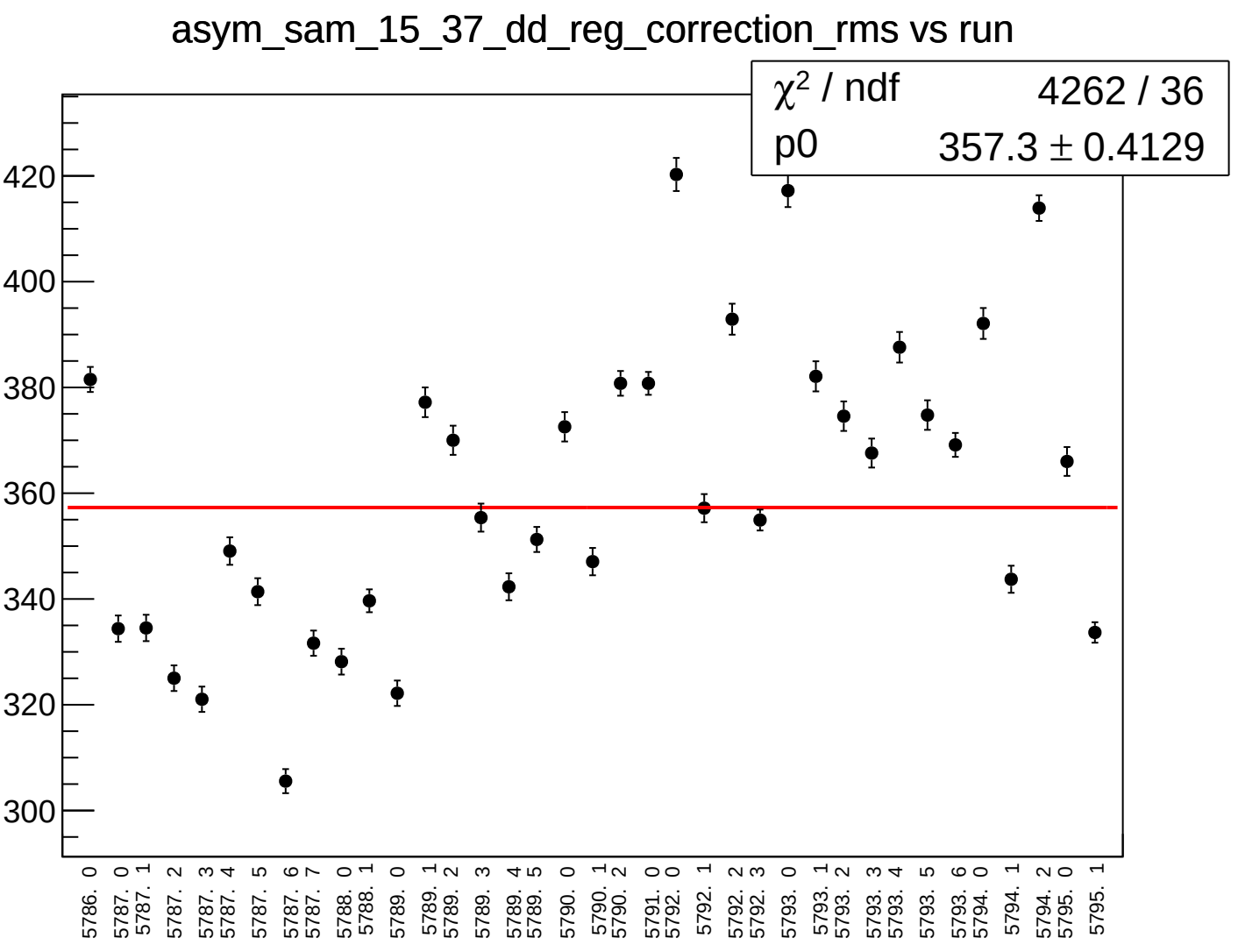

asym_sam_13_57_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.058e+05 / 36
p0 1.768e−11 ± 2.39e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

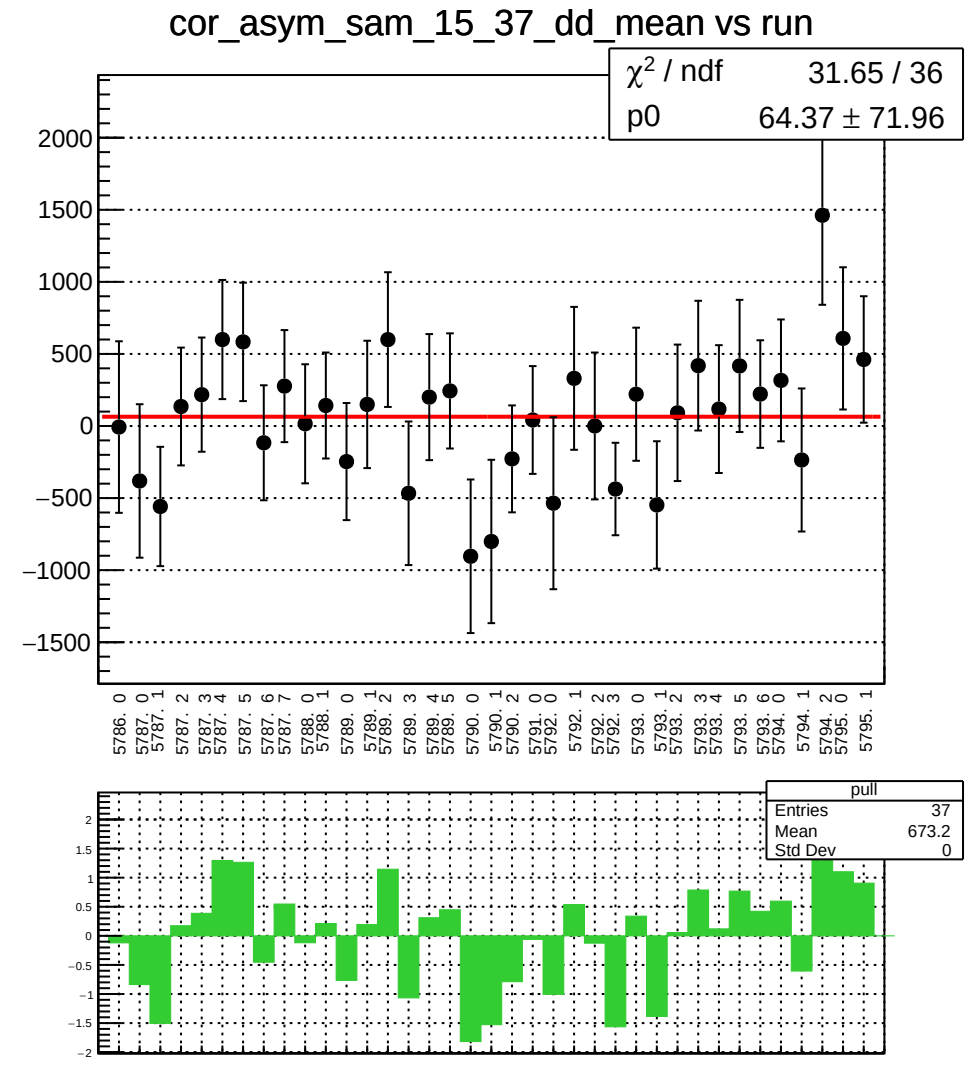

reg_asym_sam_15_37_dd_mean vs run
χ² / ndf 31.65 / 36
p0 64.36 ± 71.96
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 672.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

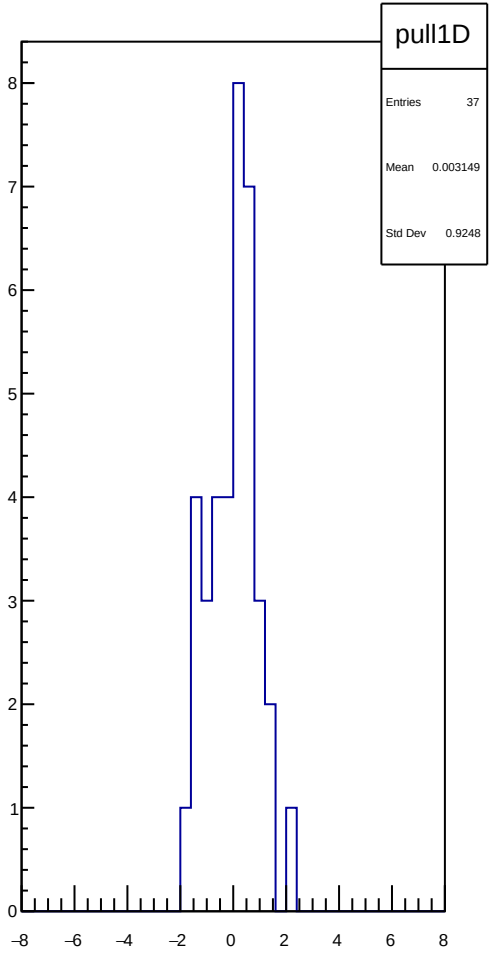

pull1D
Entries 37
Mean 0.003151
Std Dev 0.9248
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

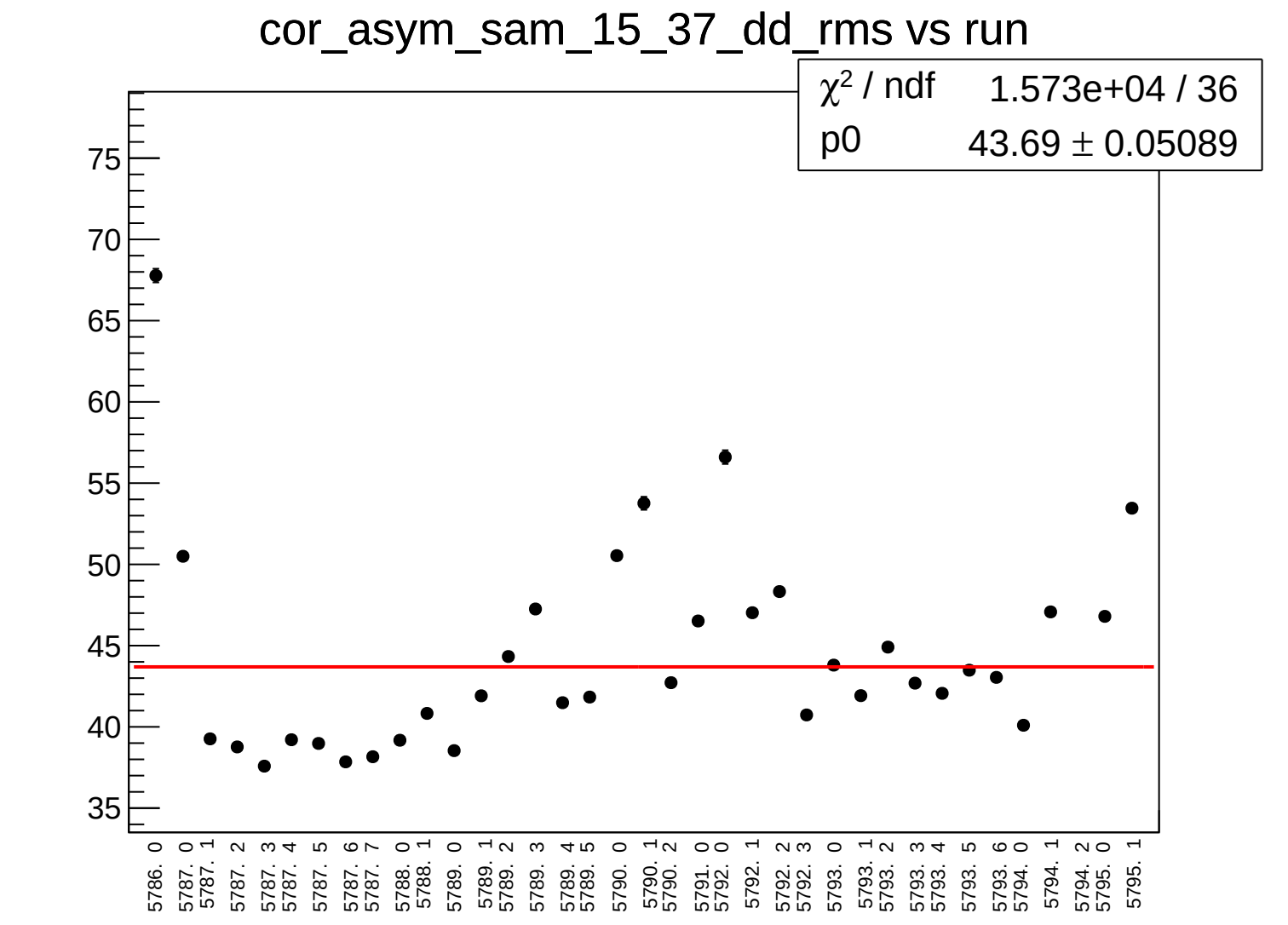

reg_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.573e+04 / 36
p0 43.69 ± 0.05089
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

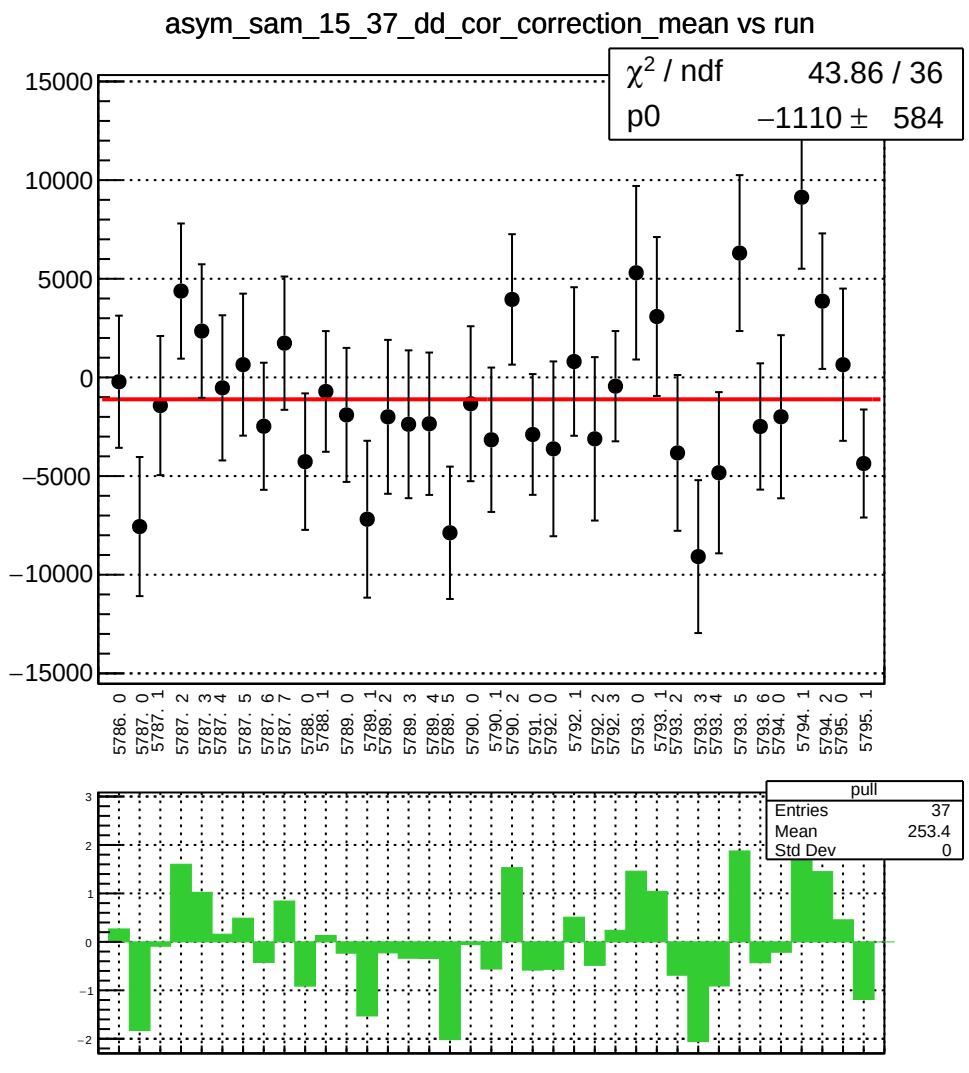

asym_sam_15_37_dd_reg_correction_mean vs run
χ² / ndf 43.86 / 36
p0 −1110 ± 584
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 253.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.005828
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

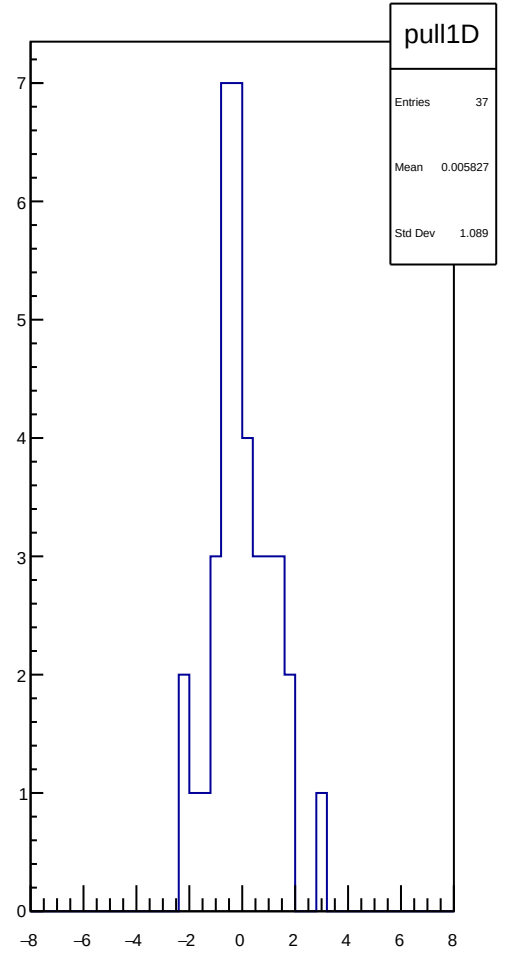

asym_sam_15_37_dd_reg_correction_rms vs run
χ² / ndf 4262 / 36
p0 357.3 ± 0.4129
420
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

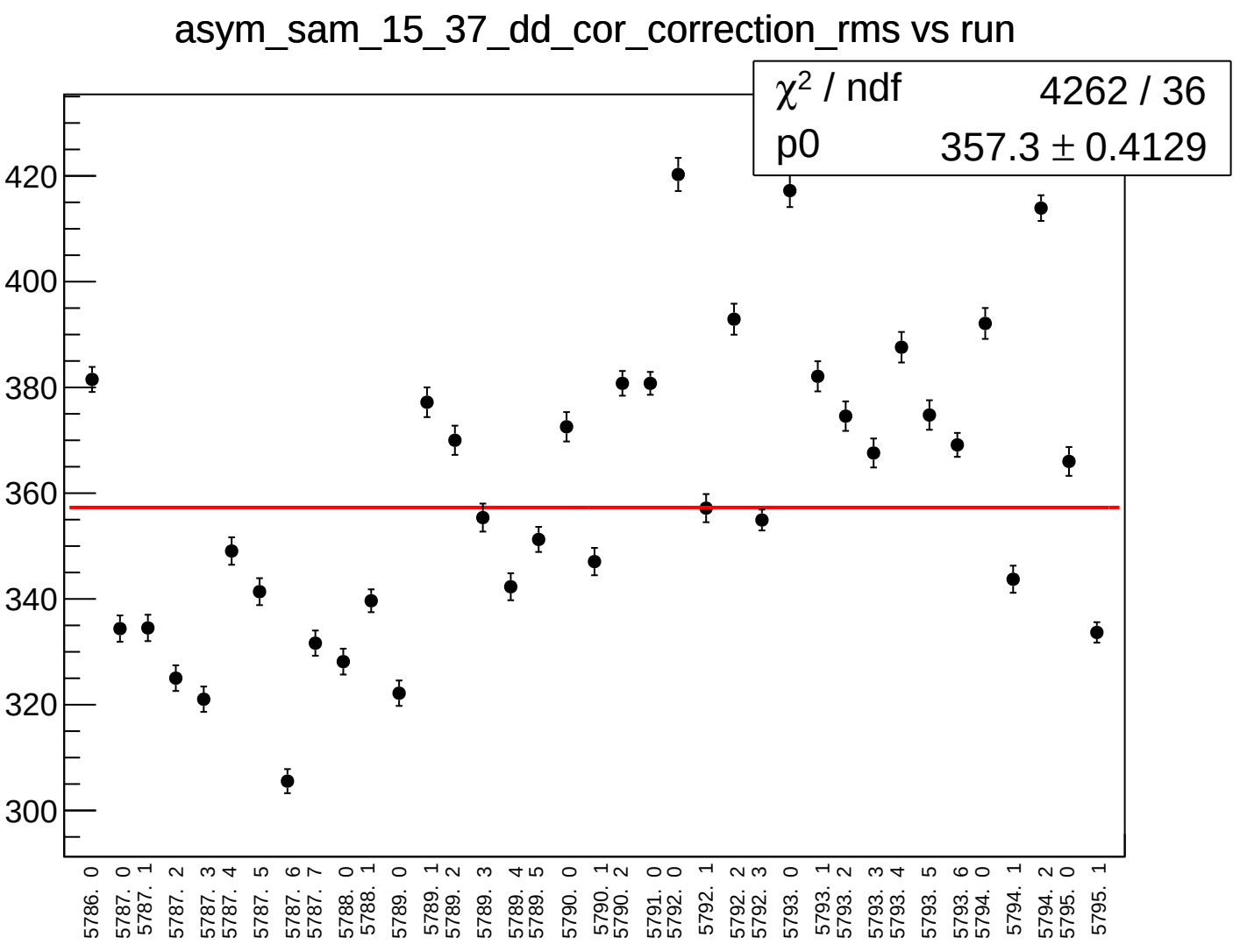

cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 31.65 / 36
p0 64.37 ± 71.96
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 673.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

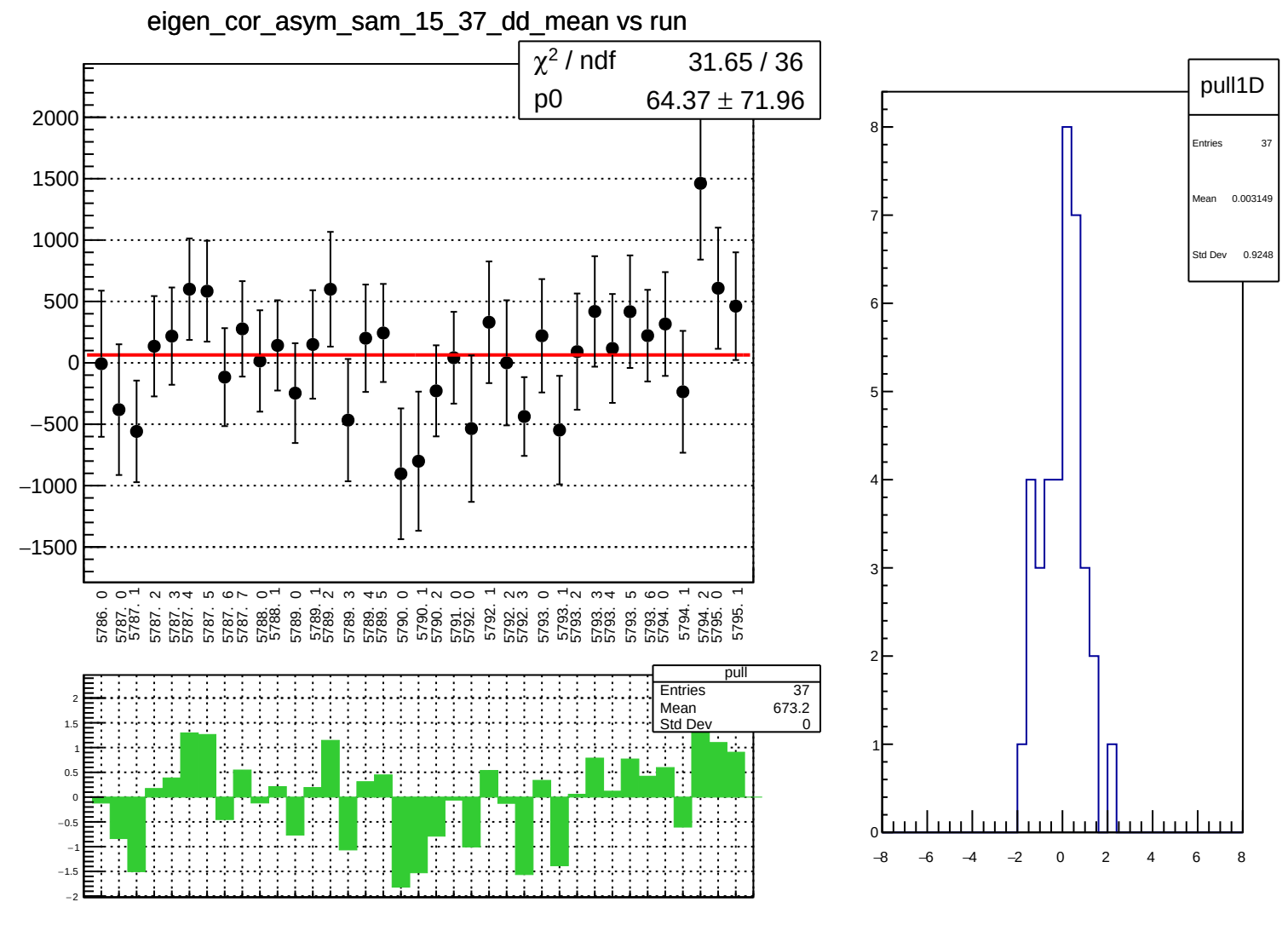

pull1D
Entries 37
Mean 0.003149
Std Dev 0.9248
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

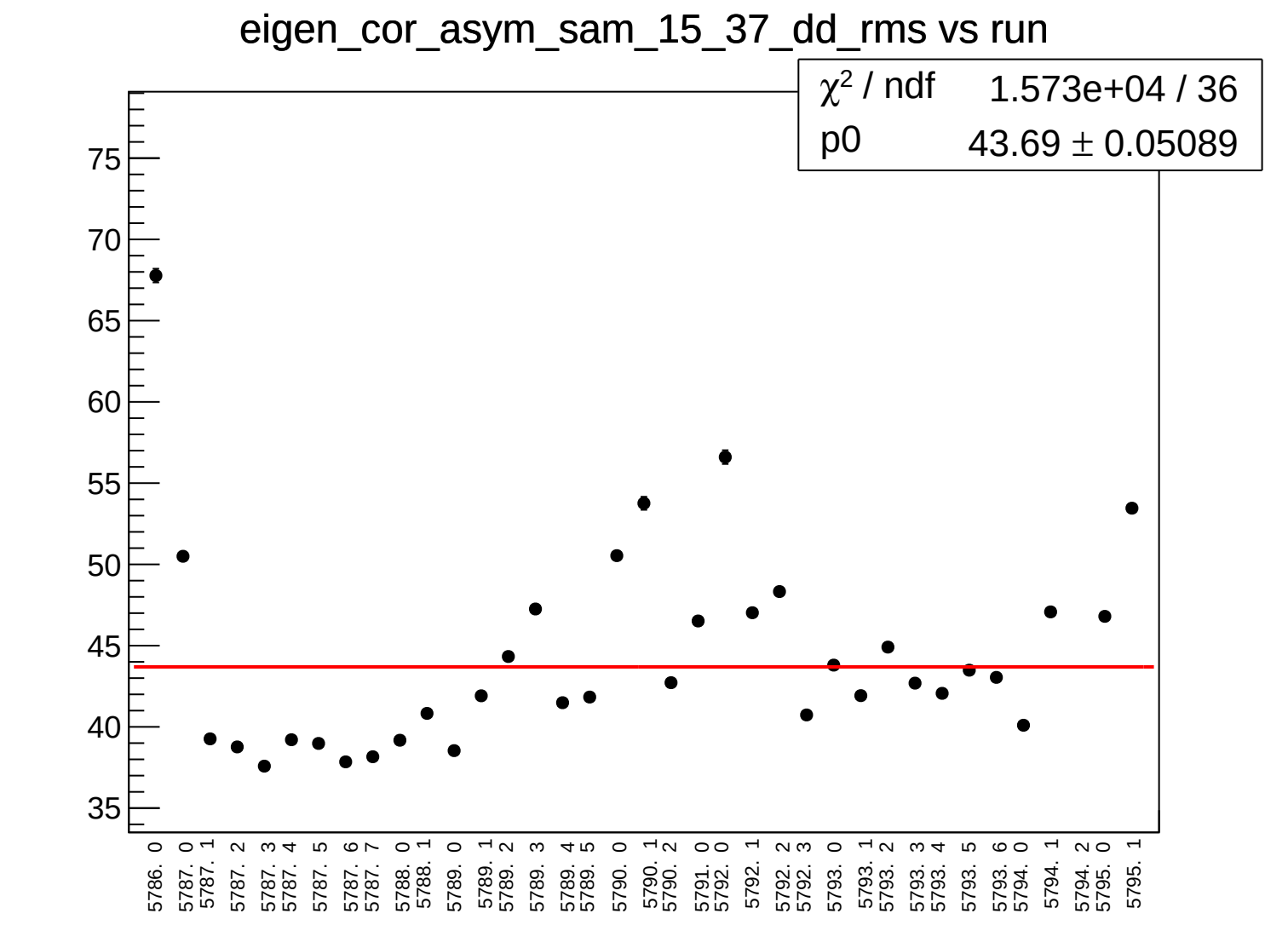

cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.573e+04 / 36
p0 43.69 ± 0.05089
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

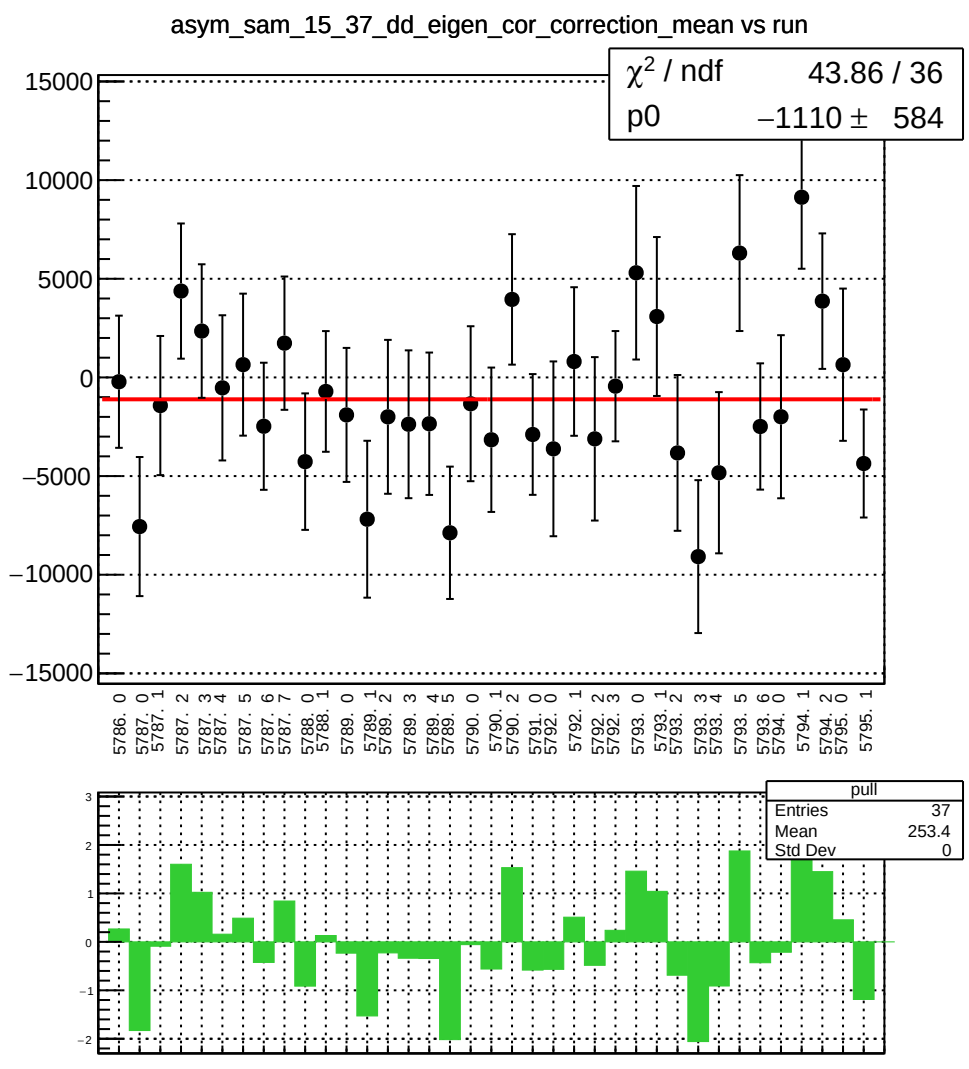

asym_sam_15_37_dd_cor_correction_mean vs run
χ² / ndf 43.86 / 36
p0 −1110 ± 584
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 253.4
Std Dev 0
3
2
1
0
−1
−2

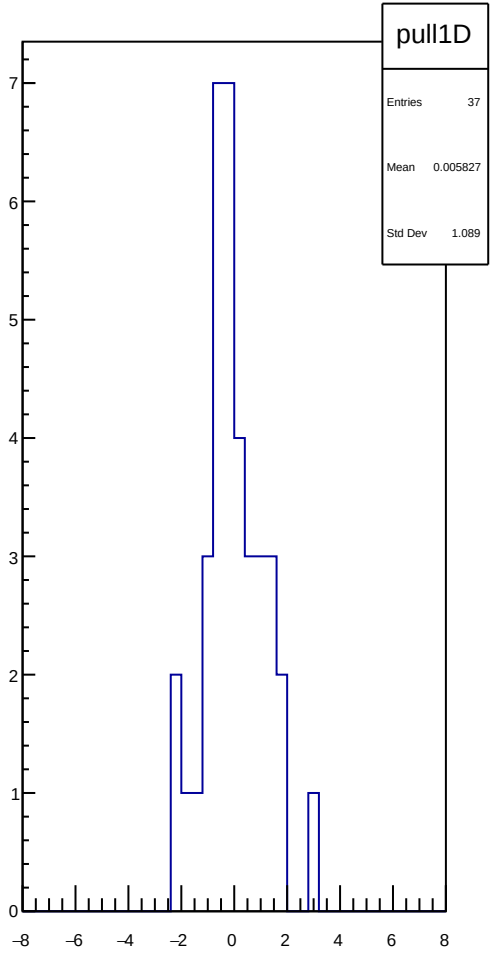

pull1D
Entries 37
Mean 0.005827
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

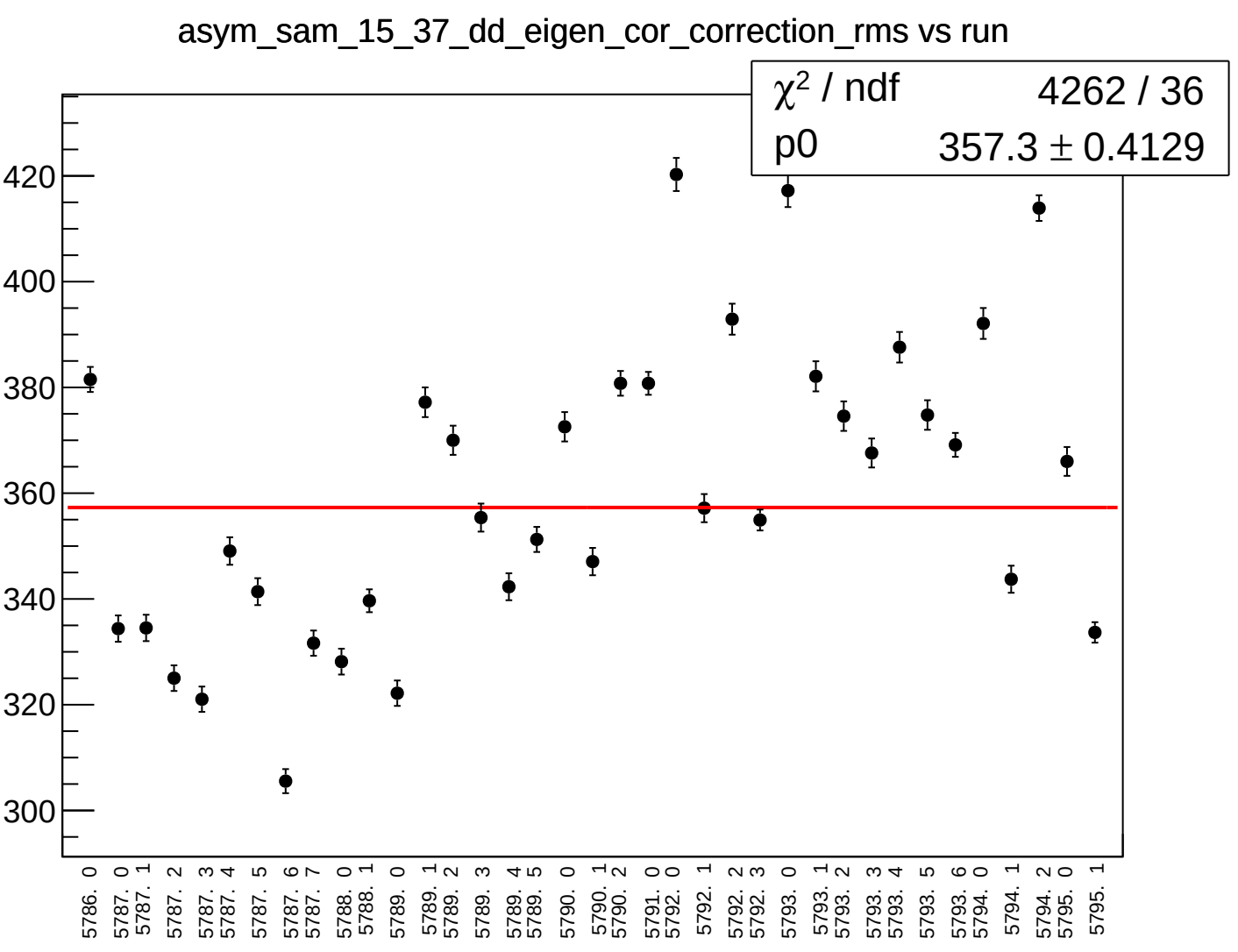

asym_sam_15_37_dd_cor_correction_rms vs run
χ² / ndf 4262 / 36
p0 357.3 ± 0.4129
420
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

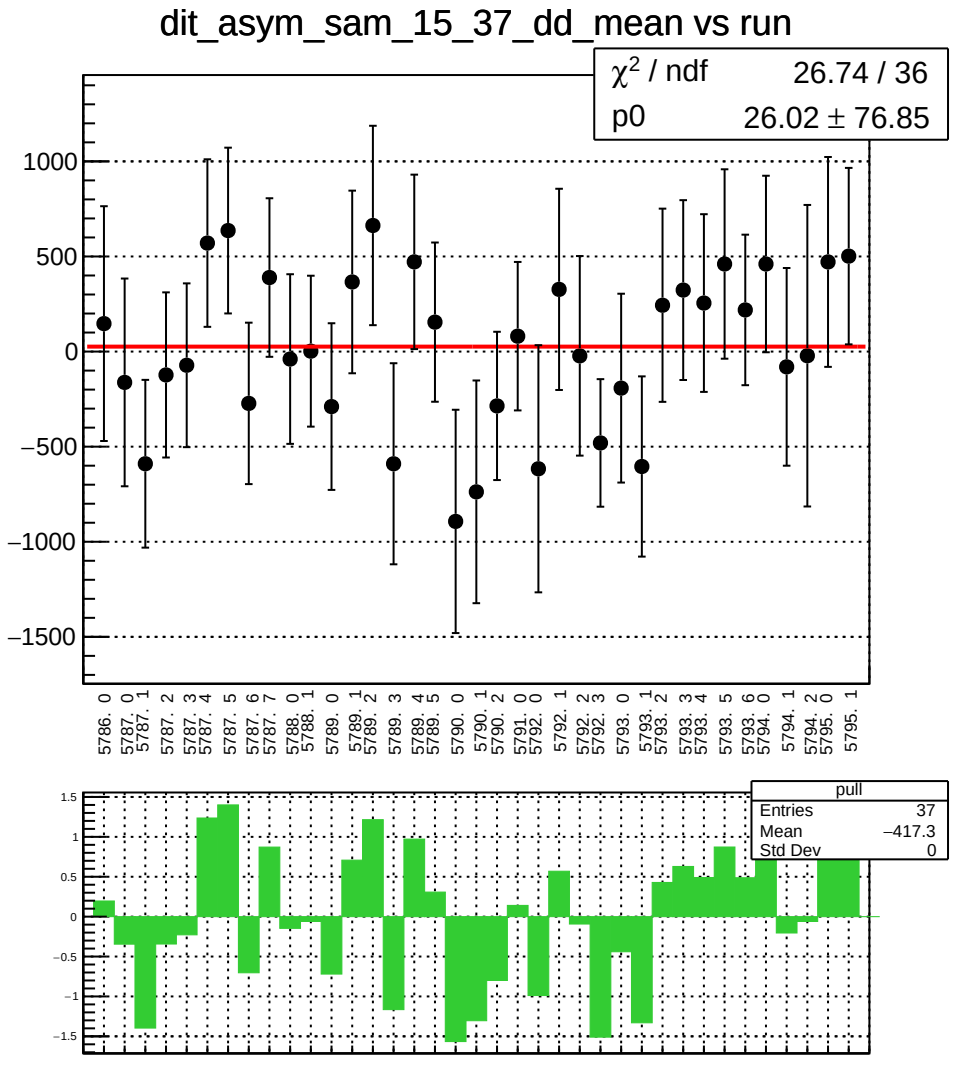

eigen_cor_asym_sam_15_37_dd_mean vs run
χ² / ndf 31.65 / 36
p0 64.37 ± 71.96
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 673.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003149
Std Dev 0.9248
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

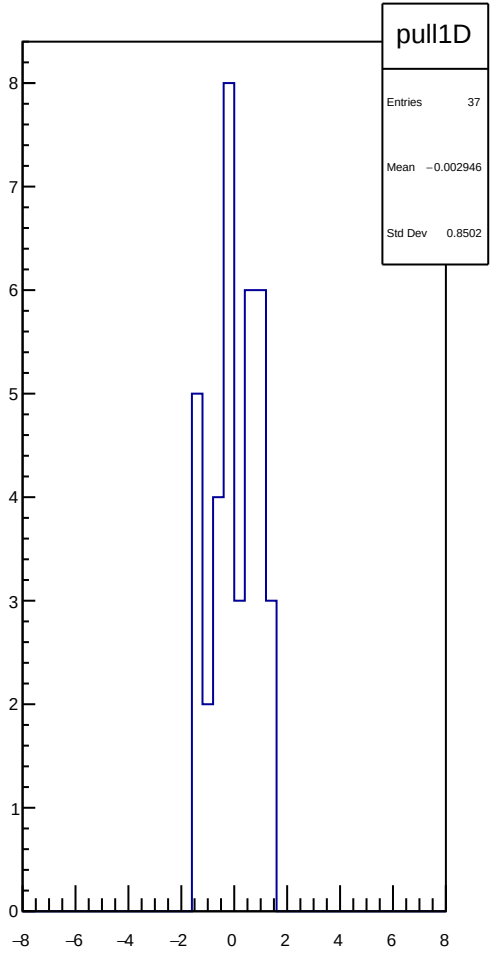

eigen_cor_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.573e+04 / 36
p0 43.69 ± 0.05089
75
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

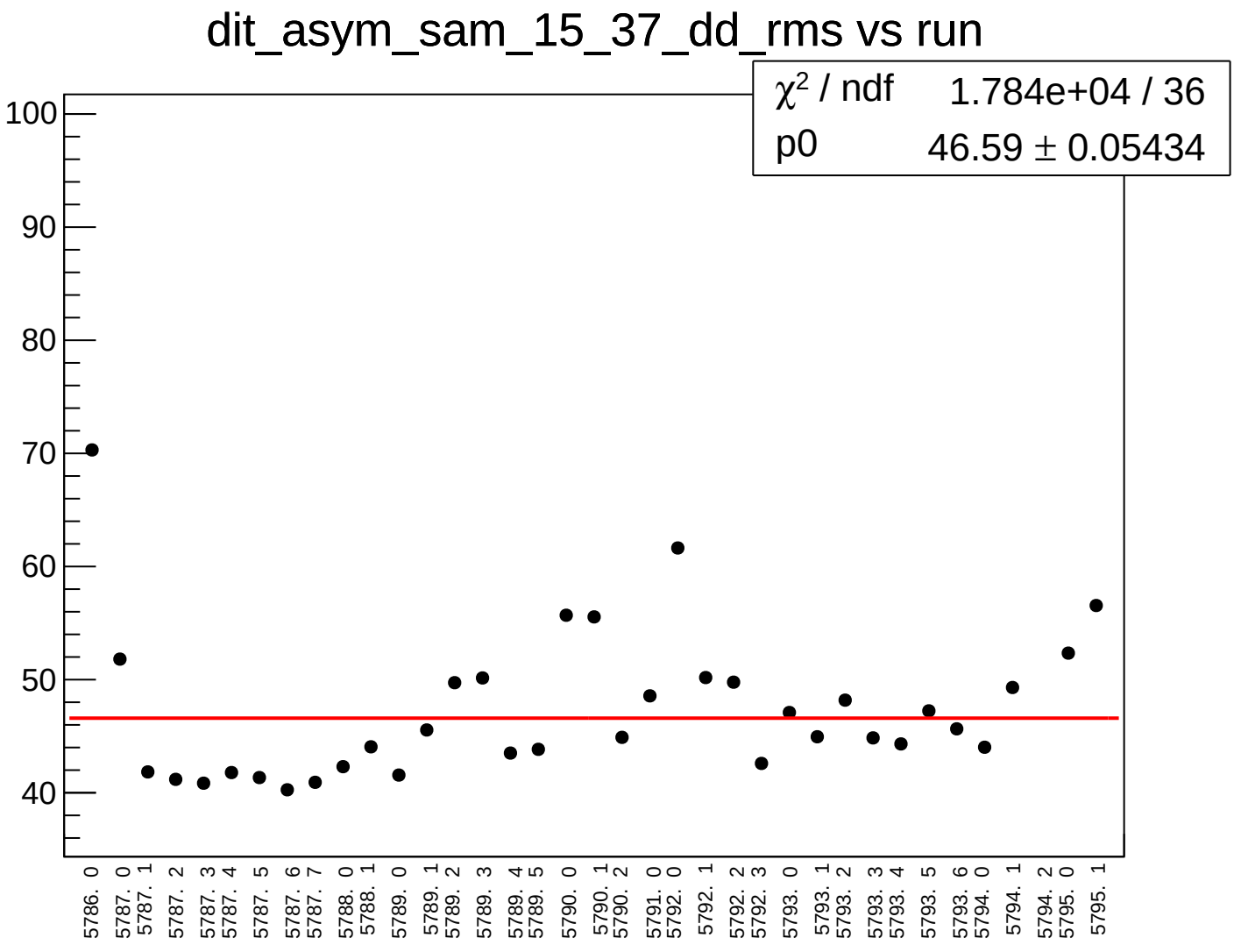

asym_sam_15_37_dd_eigen_cor_correction_mean vs run
χ² / ndf 43.86 / 36
p0 −1110 ± 584
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 253.4
Std Dev 0
3
2
1
0
−1
−2

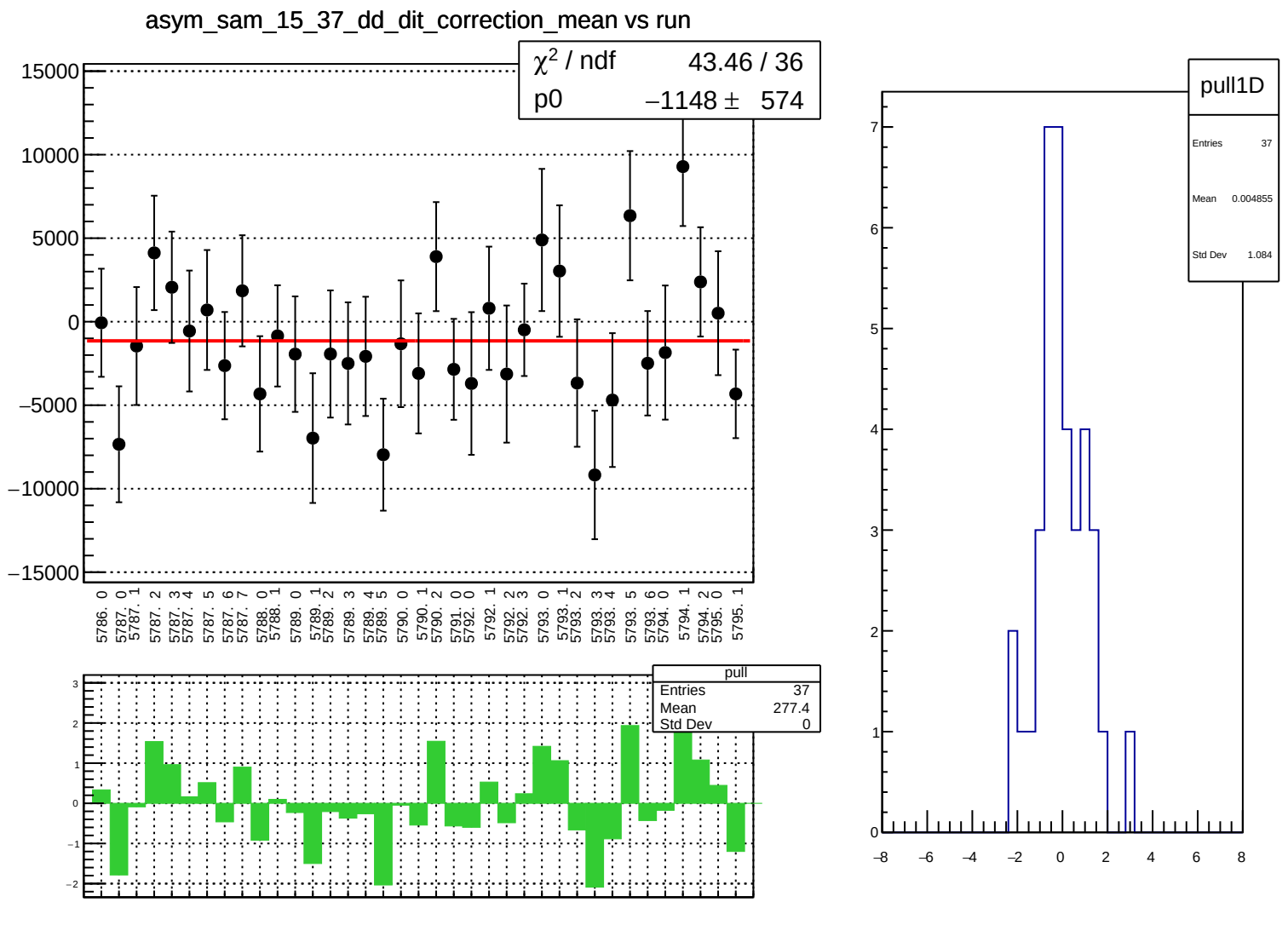

pull1D
Entries 37
Mean 0.005827
Std Dev 1.089
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

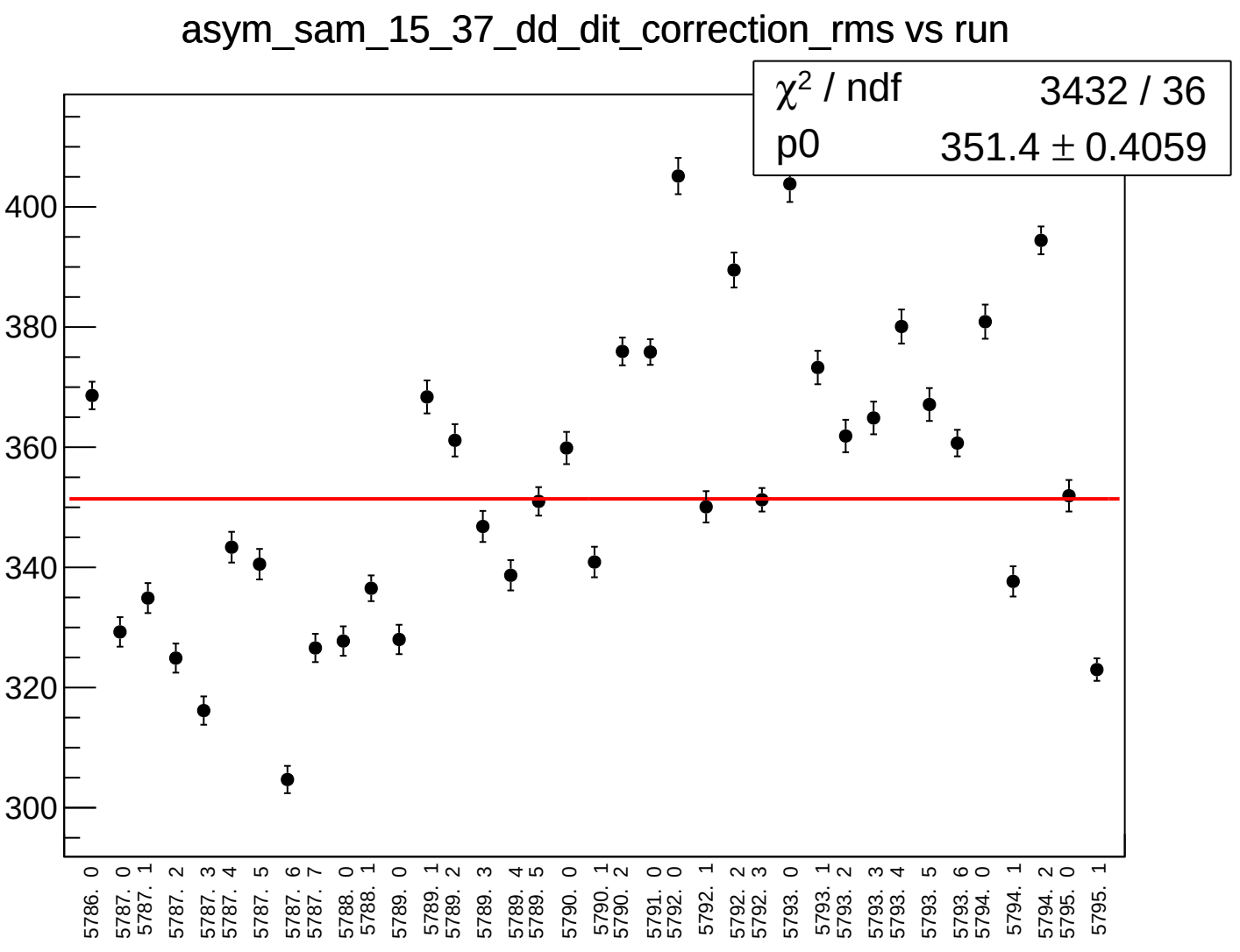

asym_sam_15_37_dd_eigen_cor_correction_rms vs run
χ² / ndf 4262 / 36
p0 357.3 ± 0.4129
420
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

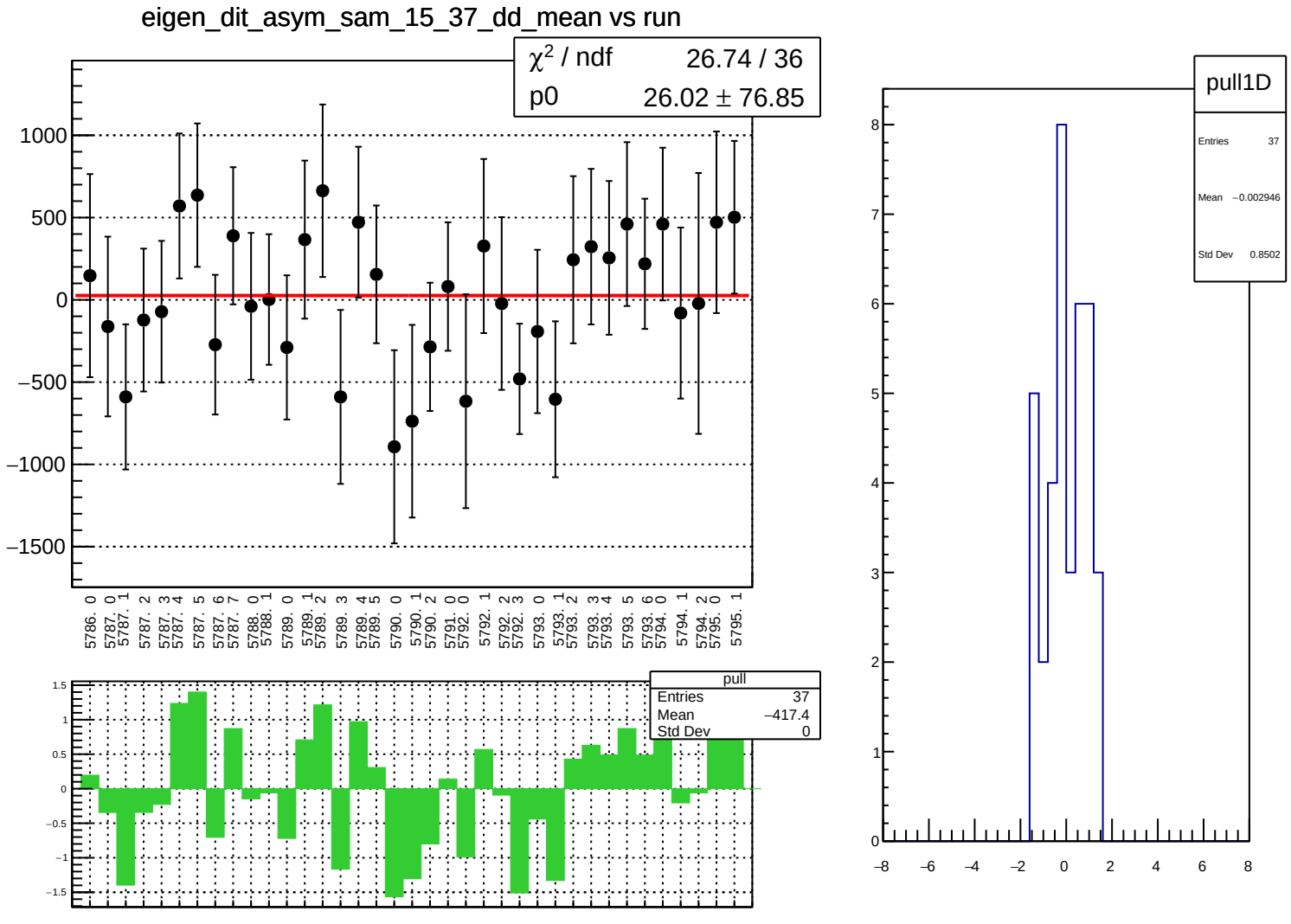

dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 26.74 / 36
p0 26.02 ± 76.85
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −417.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

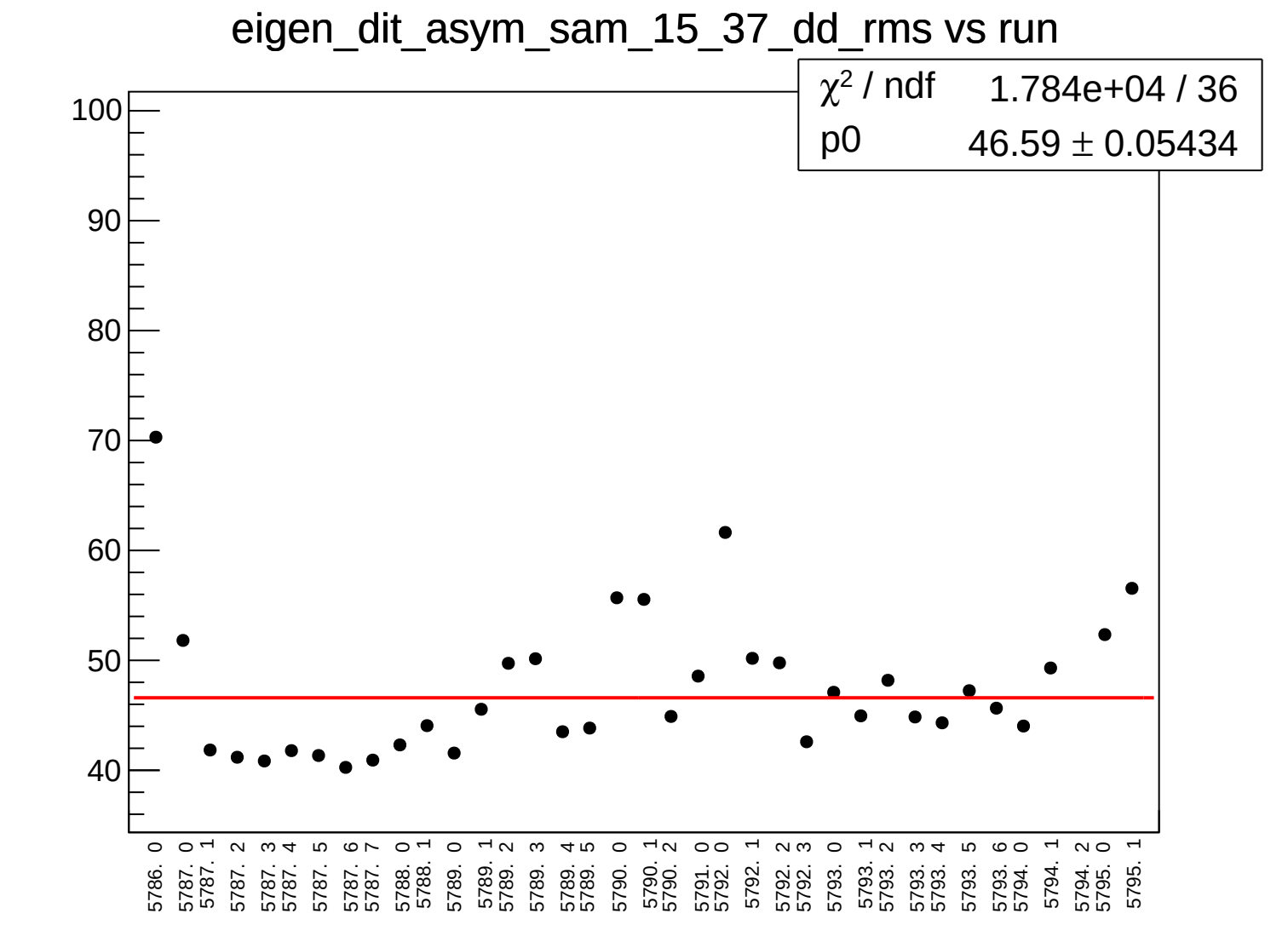

pull1D
Entries 37
Mean −0.002946
Std Dev 0.8502
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.784e+04 / 36
p0 46.59 ± 0.05434
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_37_dd_dit_correction_mean vs run
χ² / ndf 43.46 / 36
p0 −1148 ± 574
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 277.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.004855
Std Dev 1.084
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 3432 / 36
p0 351.4 ± 0.4059
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam_15_37_dd_mean vs run
χ² / ndf 26.74 / 36
p0 26.02 ± 76.85
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −417.4
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.002946
Std Dev 0.8502
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_15_37_dd_rms vs run
χ² / ndf 1.784e+04 / 36
p0 46.59 ± 0.05434
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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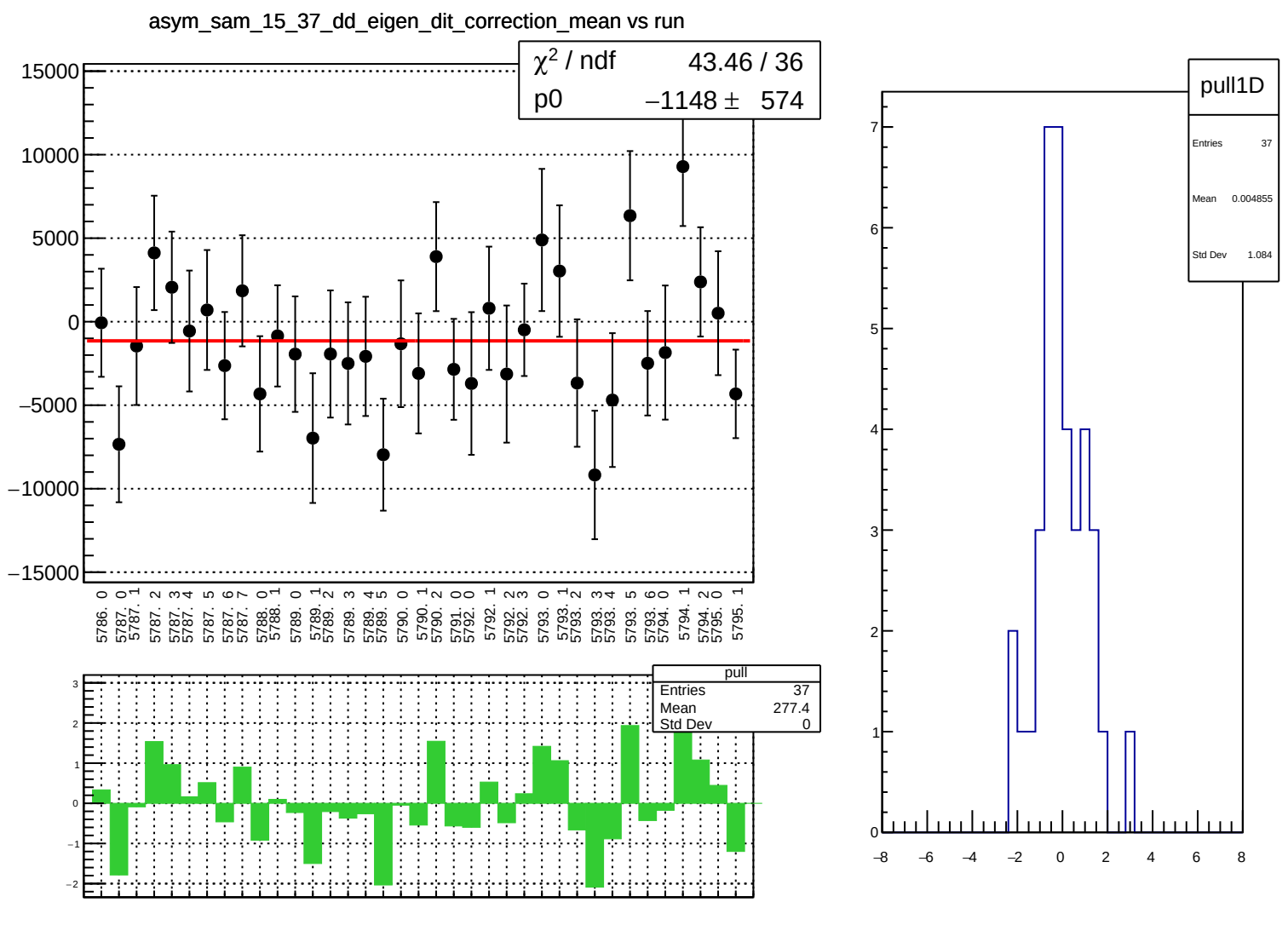
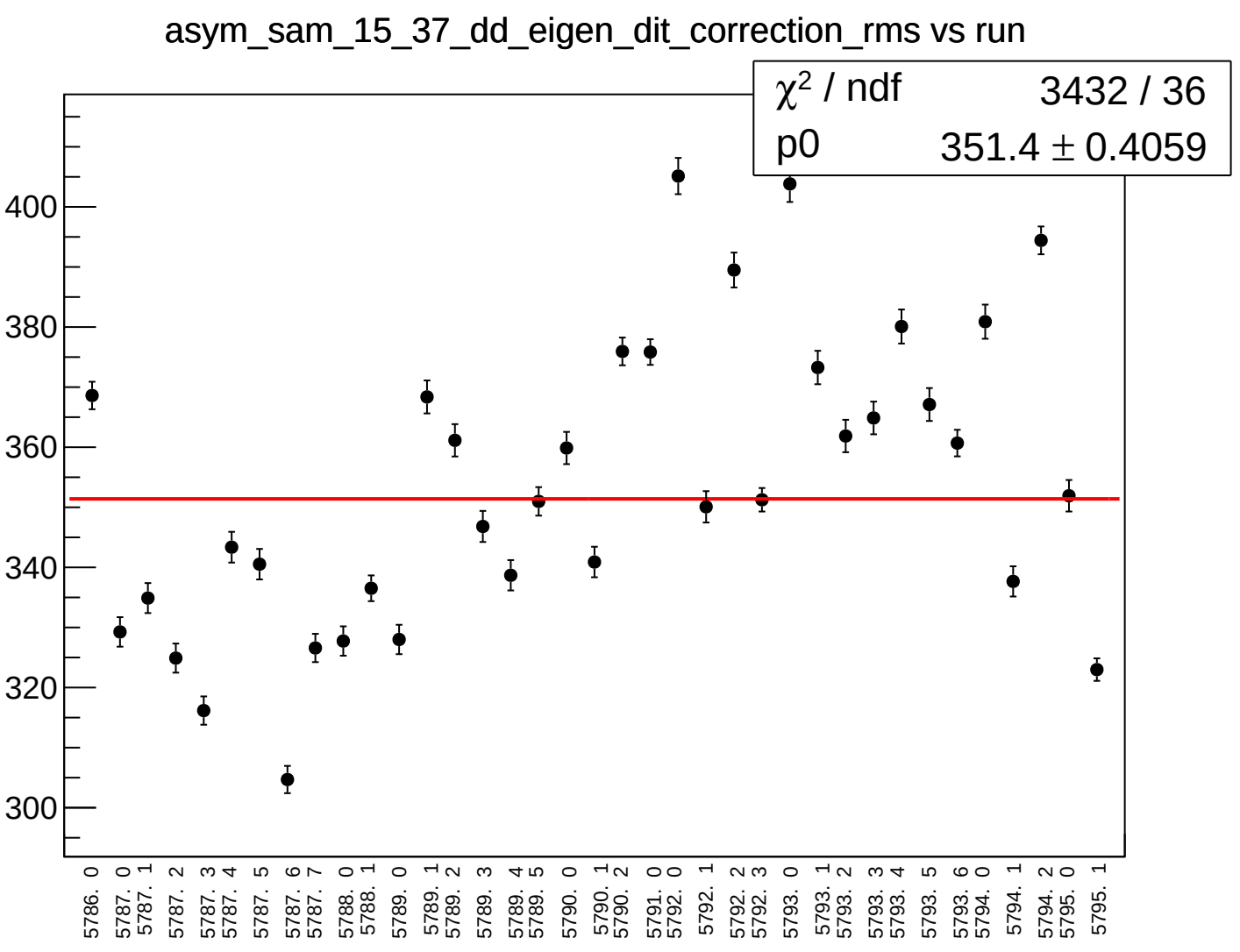
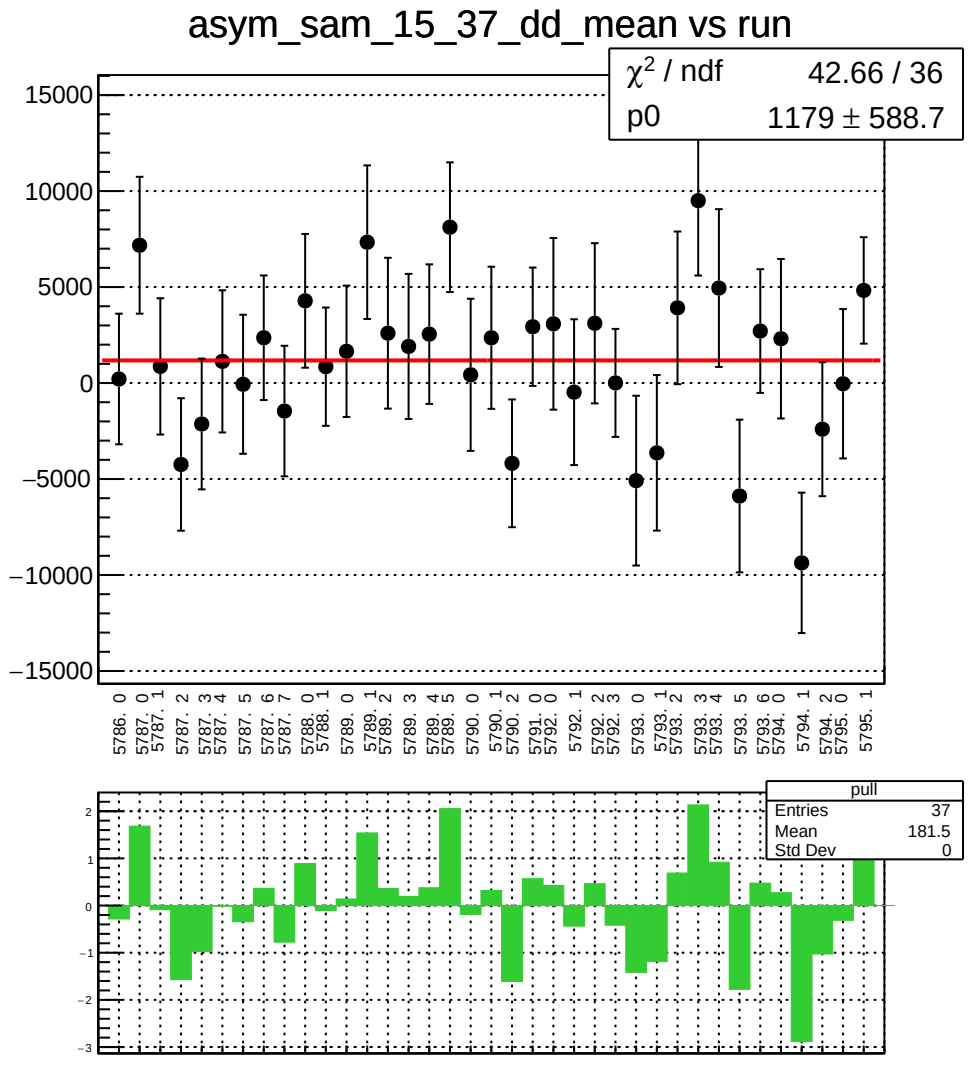
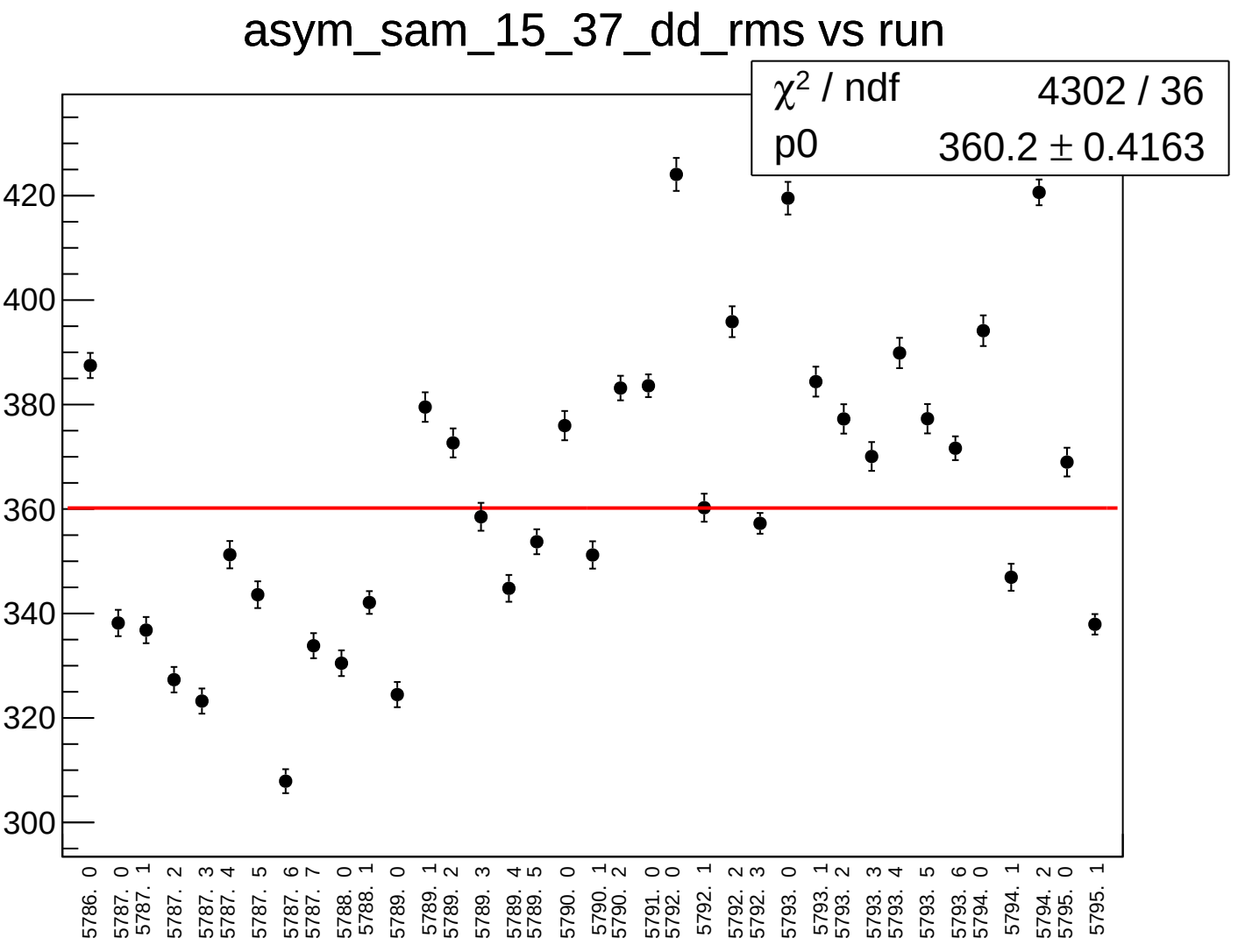
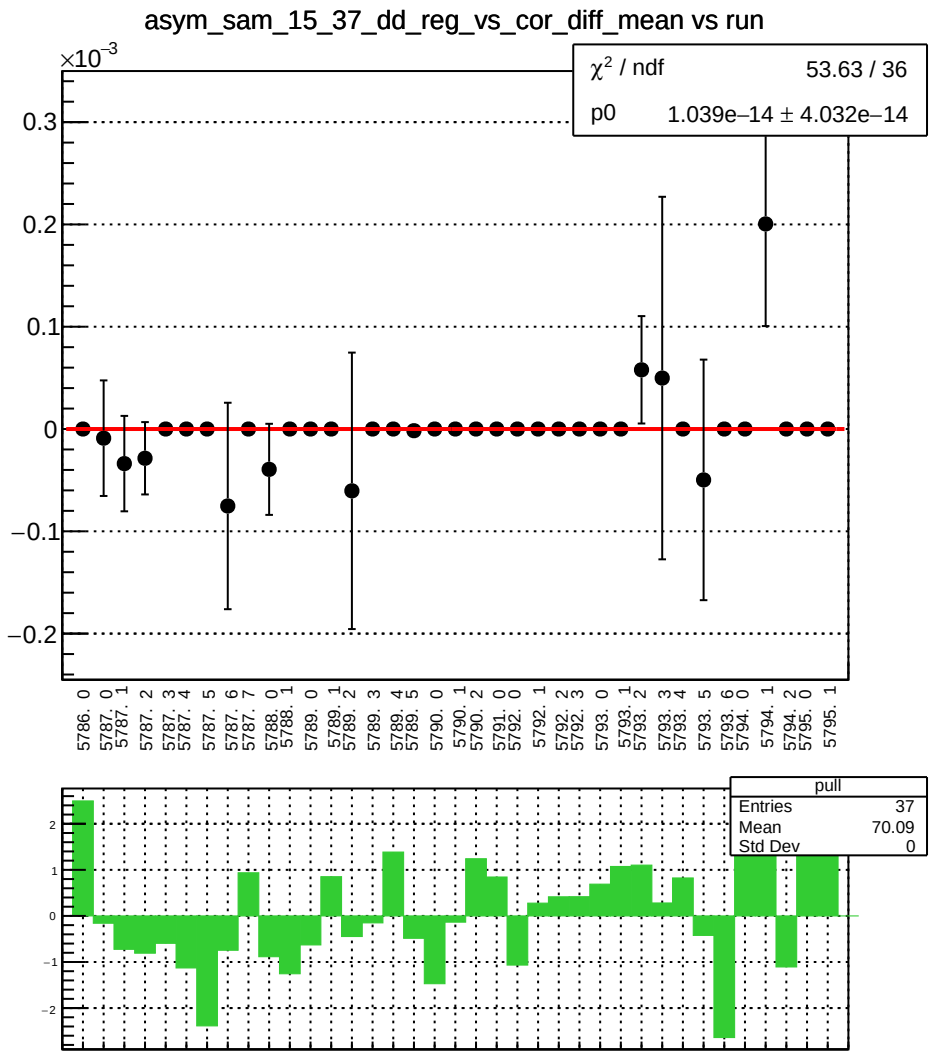
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

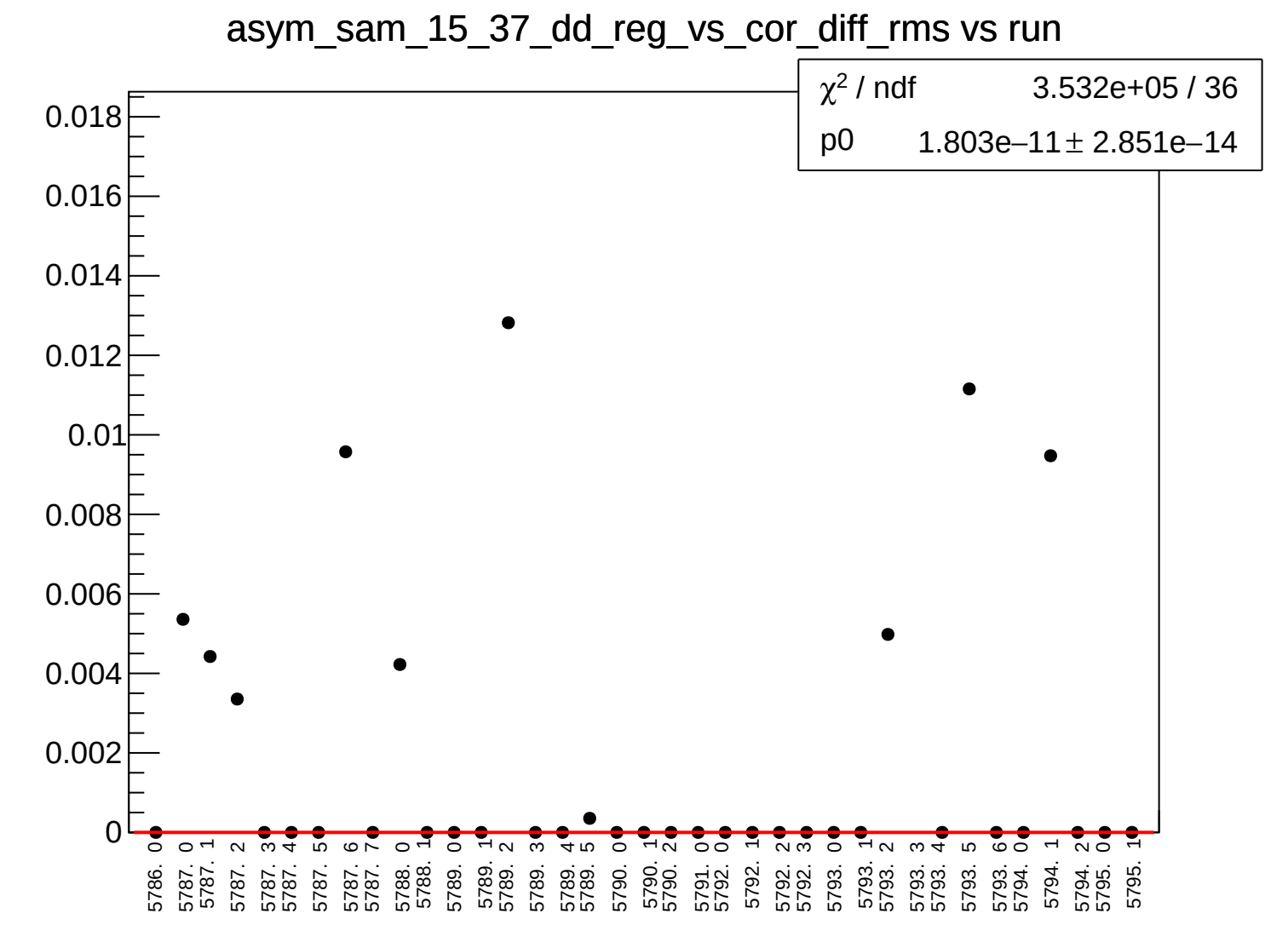

asym_sam_15_37_dd_eigen_dit_correction_mean vs run
χ² / ndf 43.46 / 36
p0 −1148 ± 574
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 277.4
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.004855
Std Dev 1.084
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

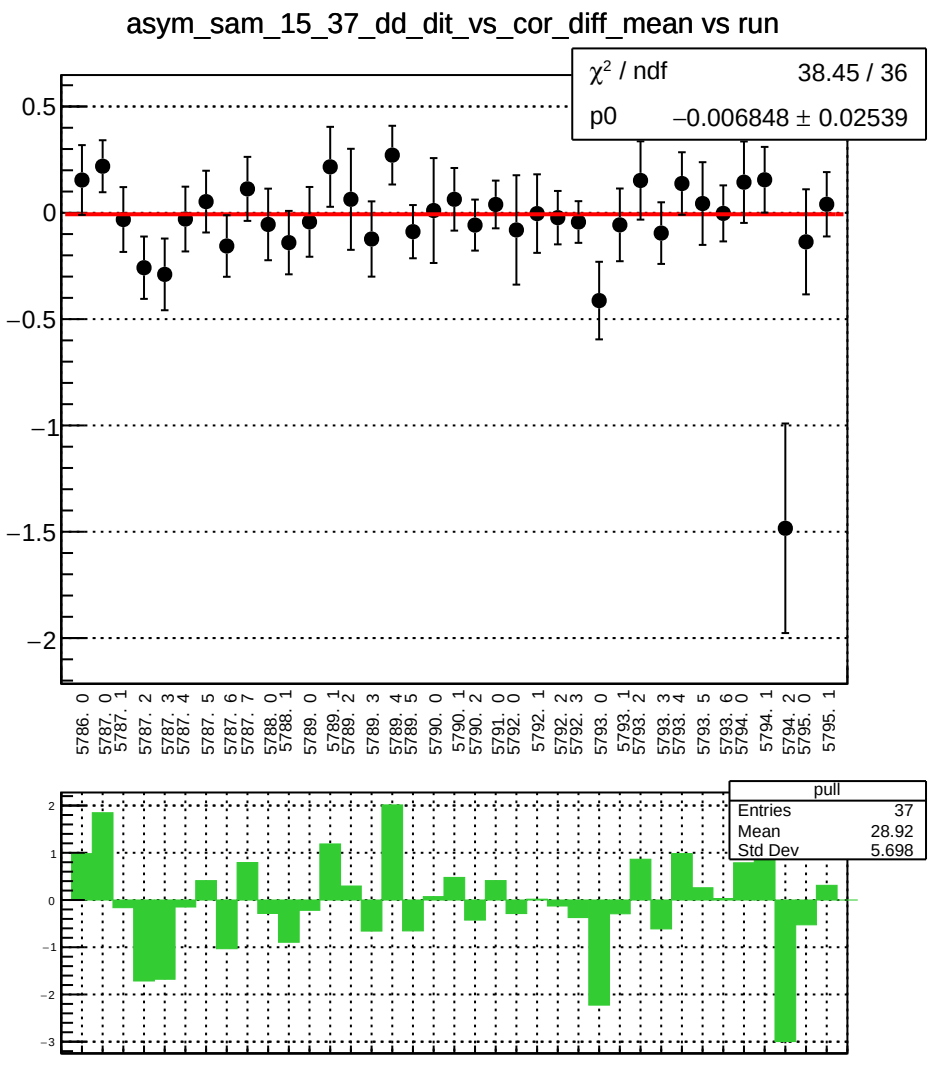

asym_sam_15_37_dd_eigen_dit_correction_rms vs run
χ² / ndf 3432 / 36
p0 351.4 ± 0.4059
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

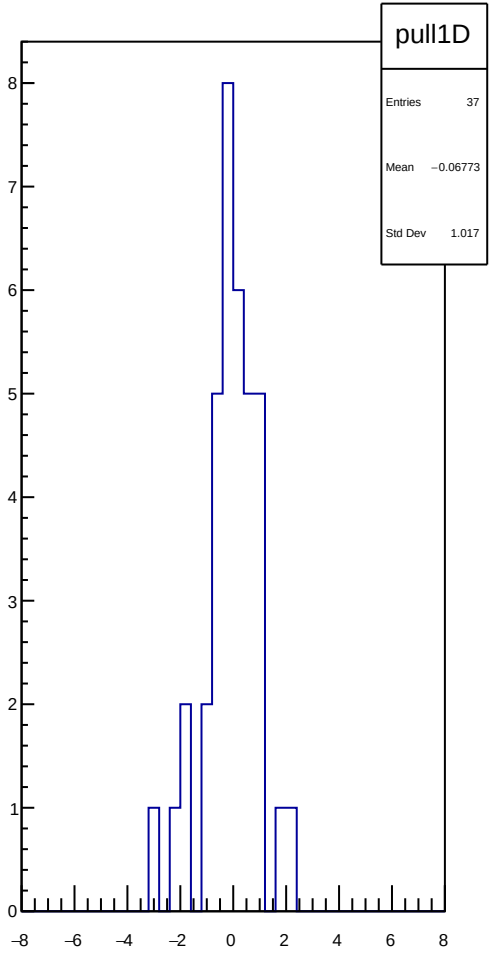

asym_sam_15_37_dd_mean vs run
χ² / ndf 42.66 / 36
p0 1179 ± 588.7
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 181.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.00621
Std Dev 1.074
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

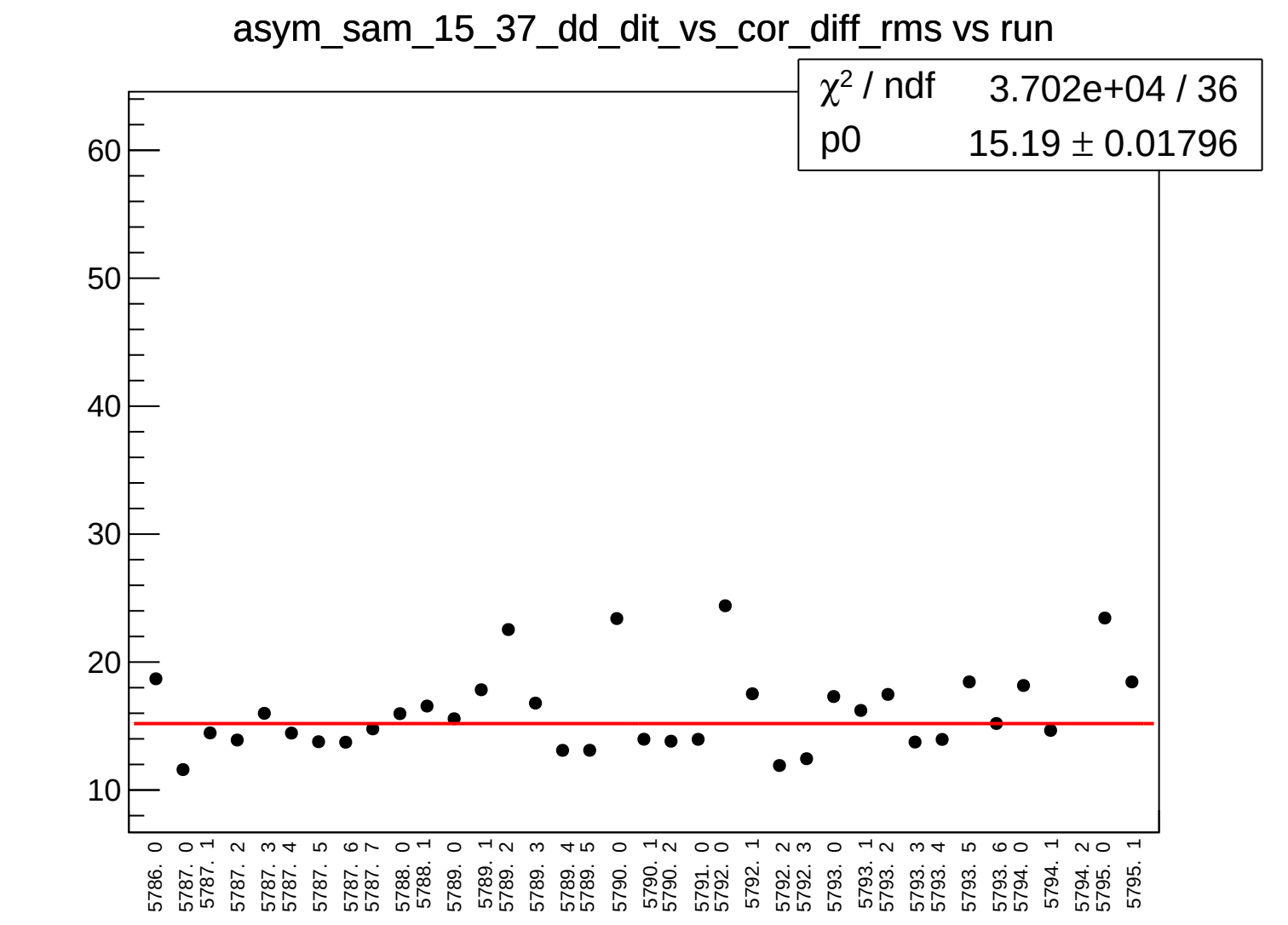

asym_sam_15_37_dd_rms vs run
χ² / ndf 4302 / 36
p0 360.2 ± 0.4163
420
400
380
360
340
320
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

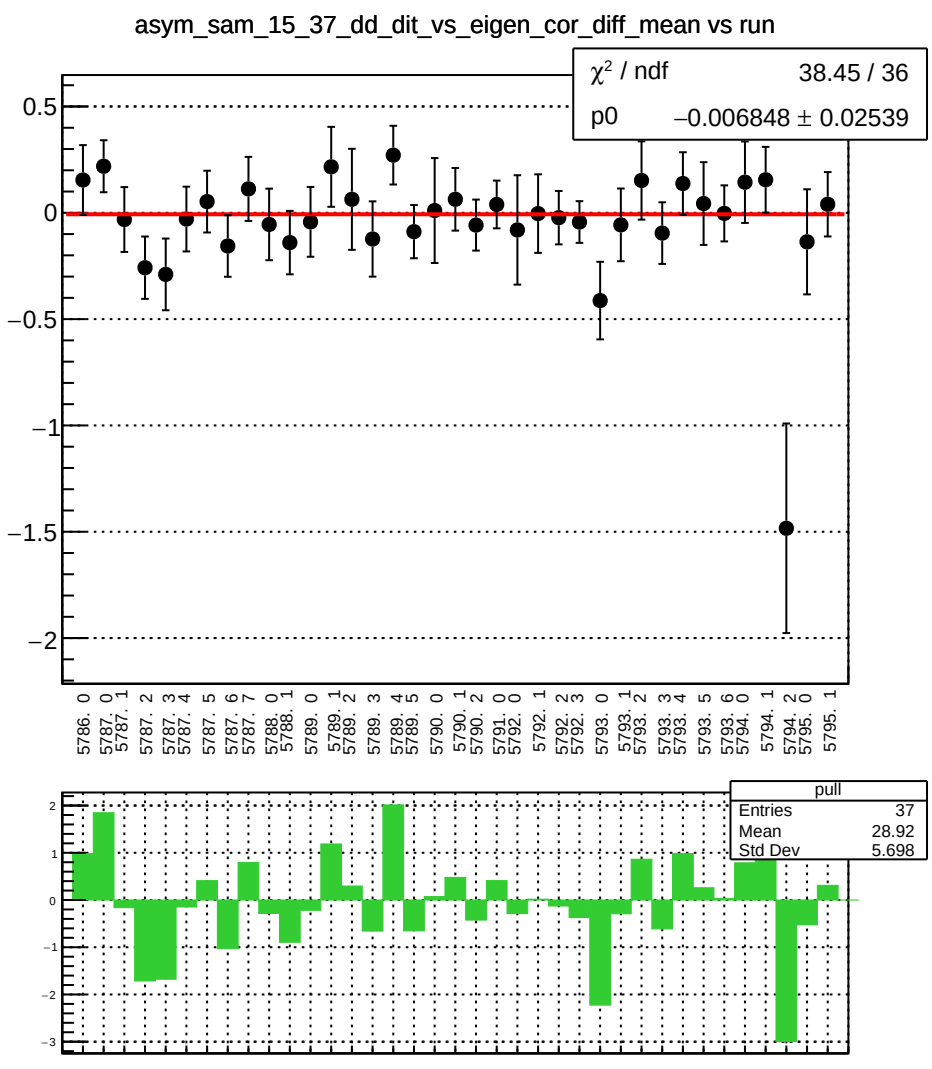

asym_sam_15_37_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 53.63 / 36
p0 1.039e−14 ± 4.032e−14
0.3
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.09
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.07956
Std Dev 1.201
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

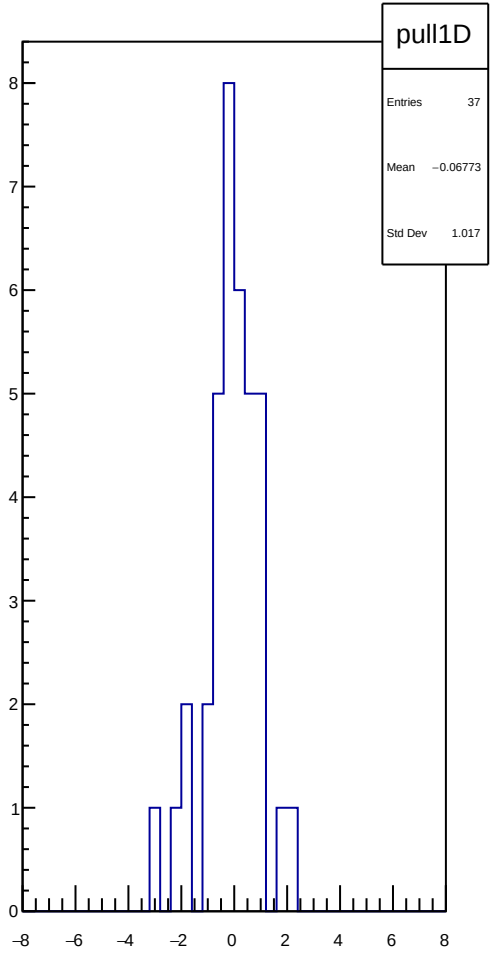

asym_sam_15_37_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.532e+05 / 36
p0 1.803e−11 ± 2.851e−14
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

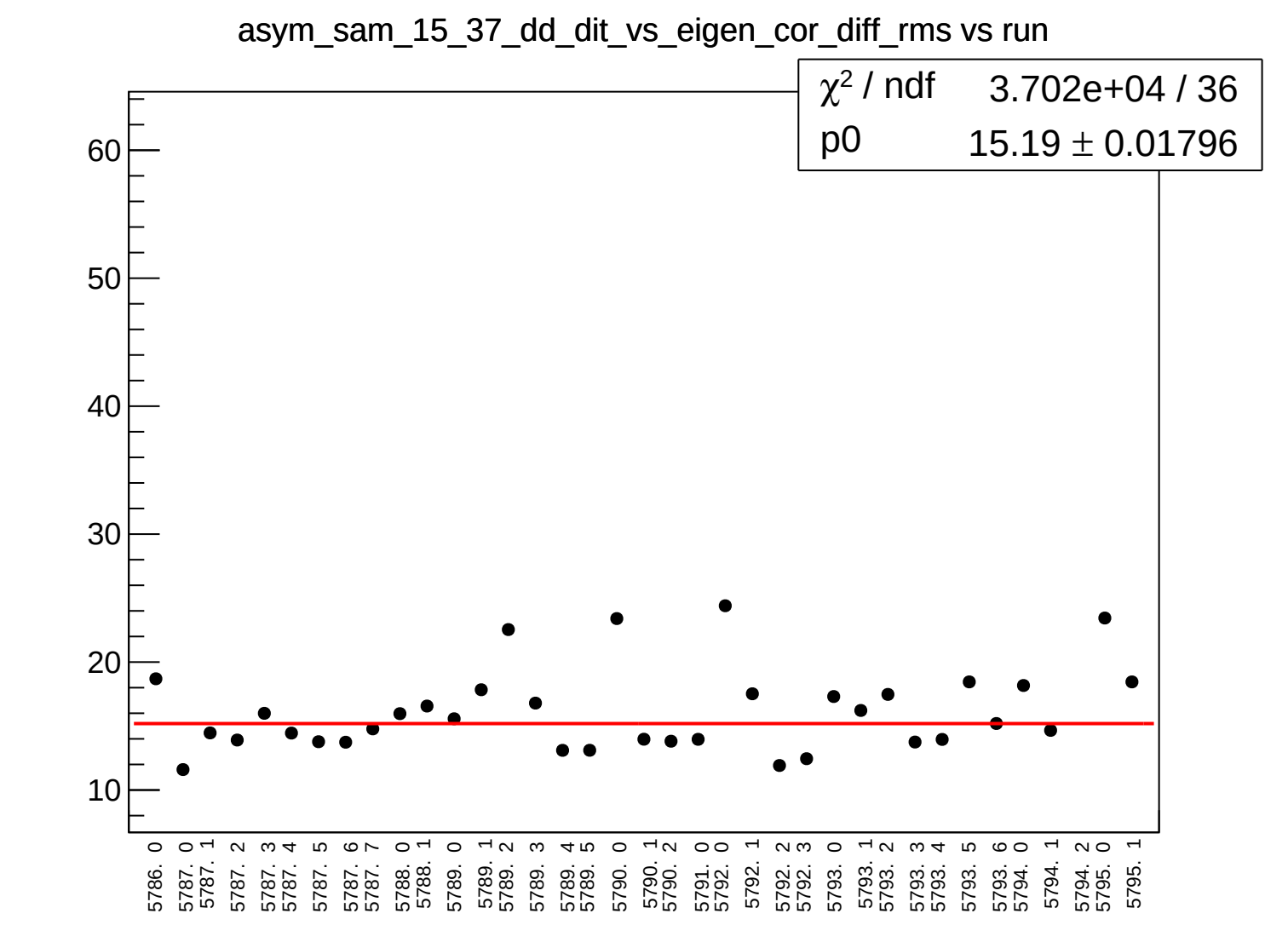

asym_sam_15_37_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 38.45 / 36
p0 −0.006848 ± 0.02539
pull
Entries 37
Mean 28.92
Std Dev 5.698


pull1D
Entries 37
Mean −0.06773
Std Dev 1.017


asym_sam_15_37_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 36
p0 15.19 ± 0.01796
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.45 / 36
p0 −0.006848 ± 0.02539
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.92
Std Dev 5.698
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.06773
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_37_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 36
p0 15.19 ± 0.01796
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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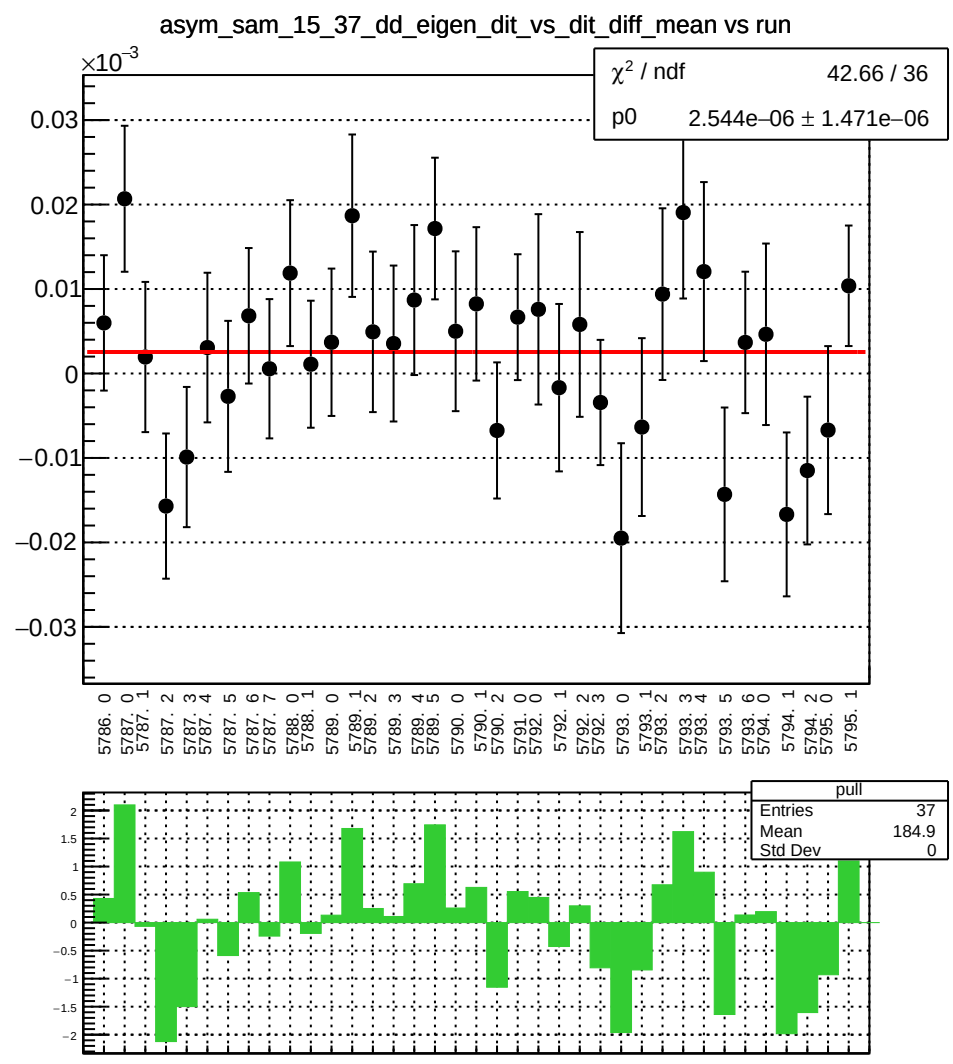
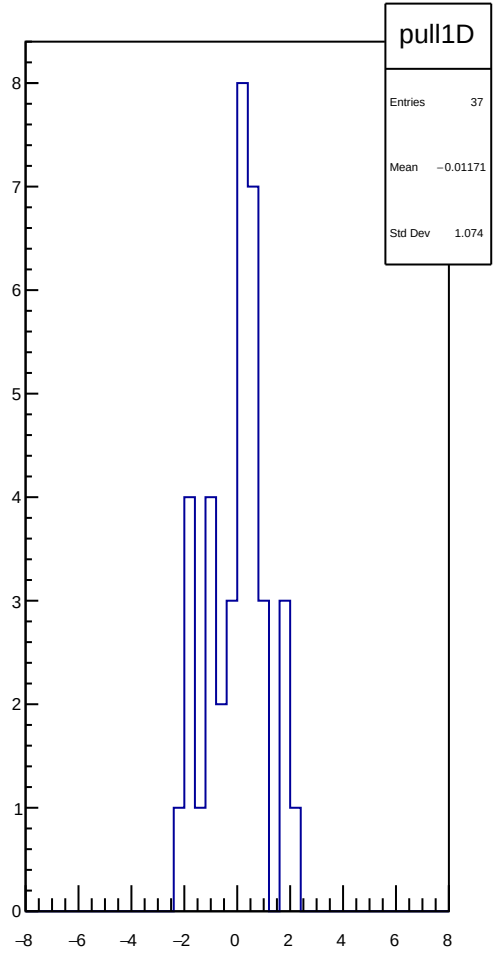
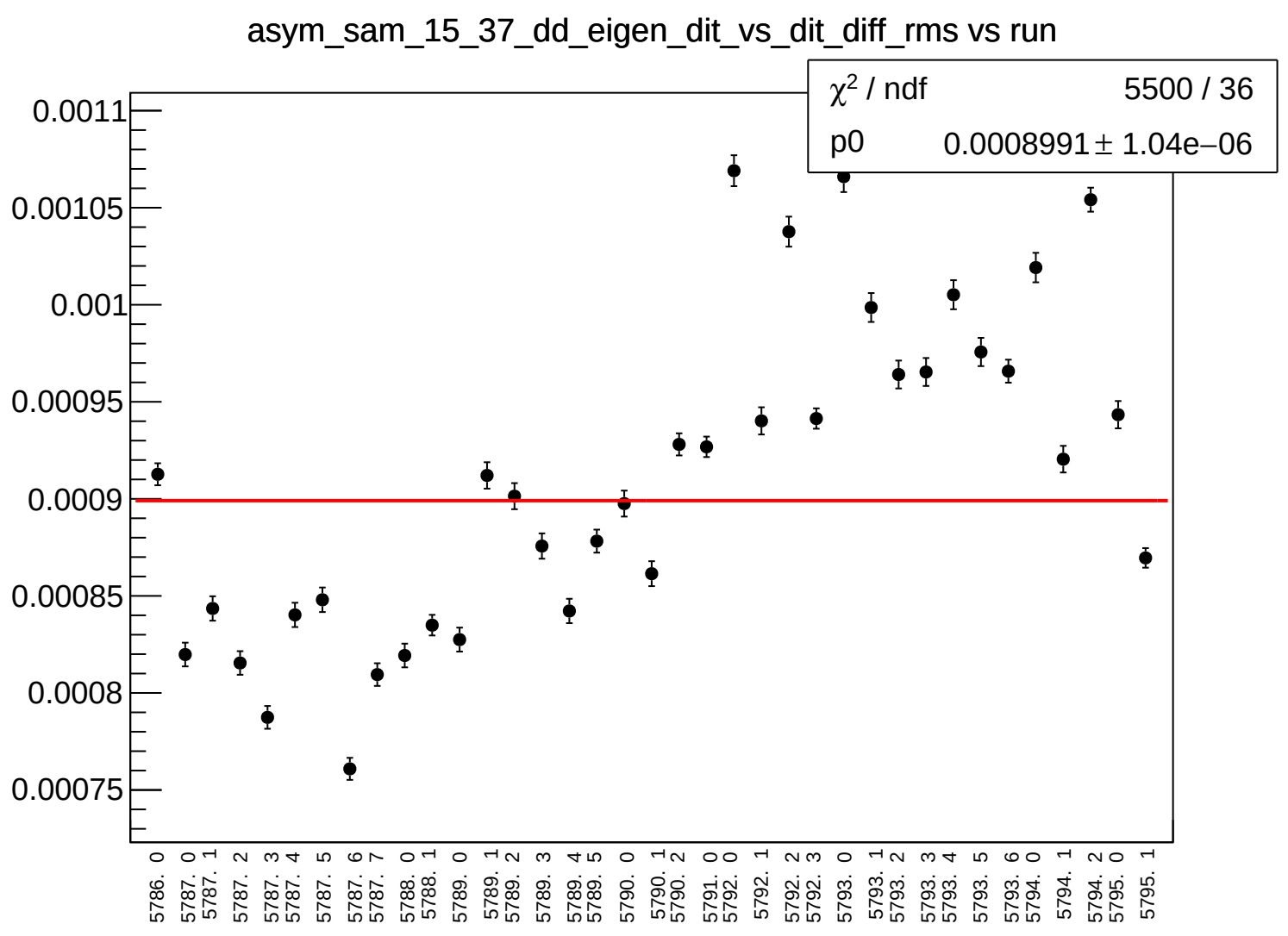
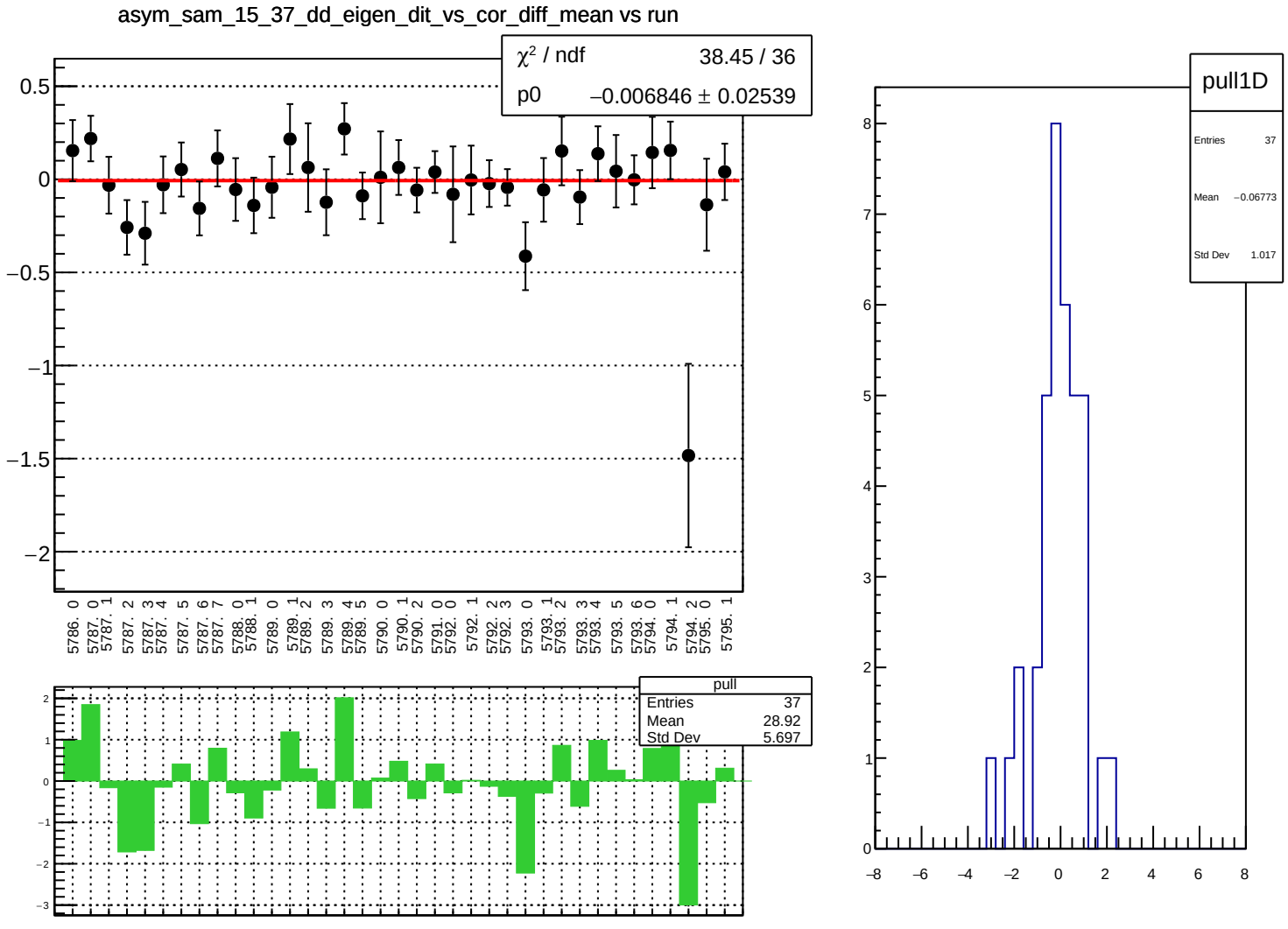
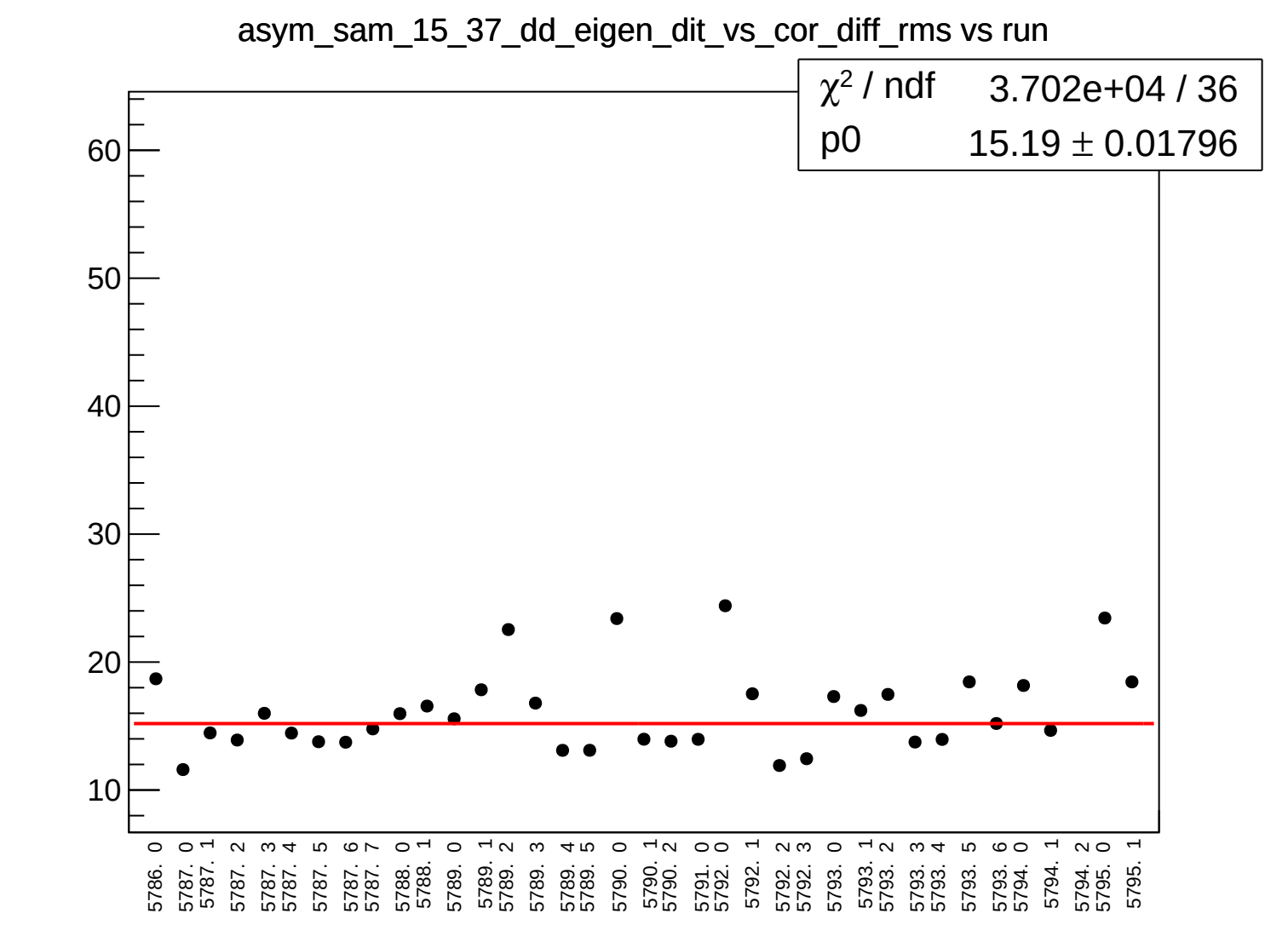
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

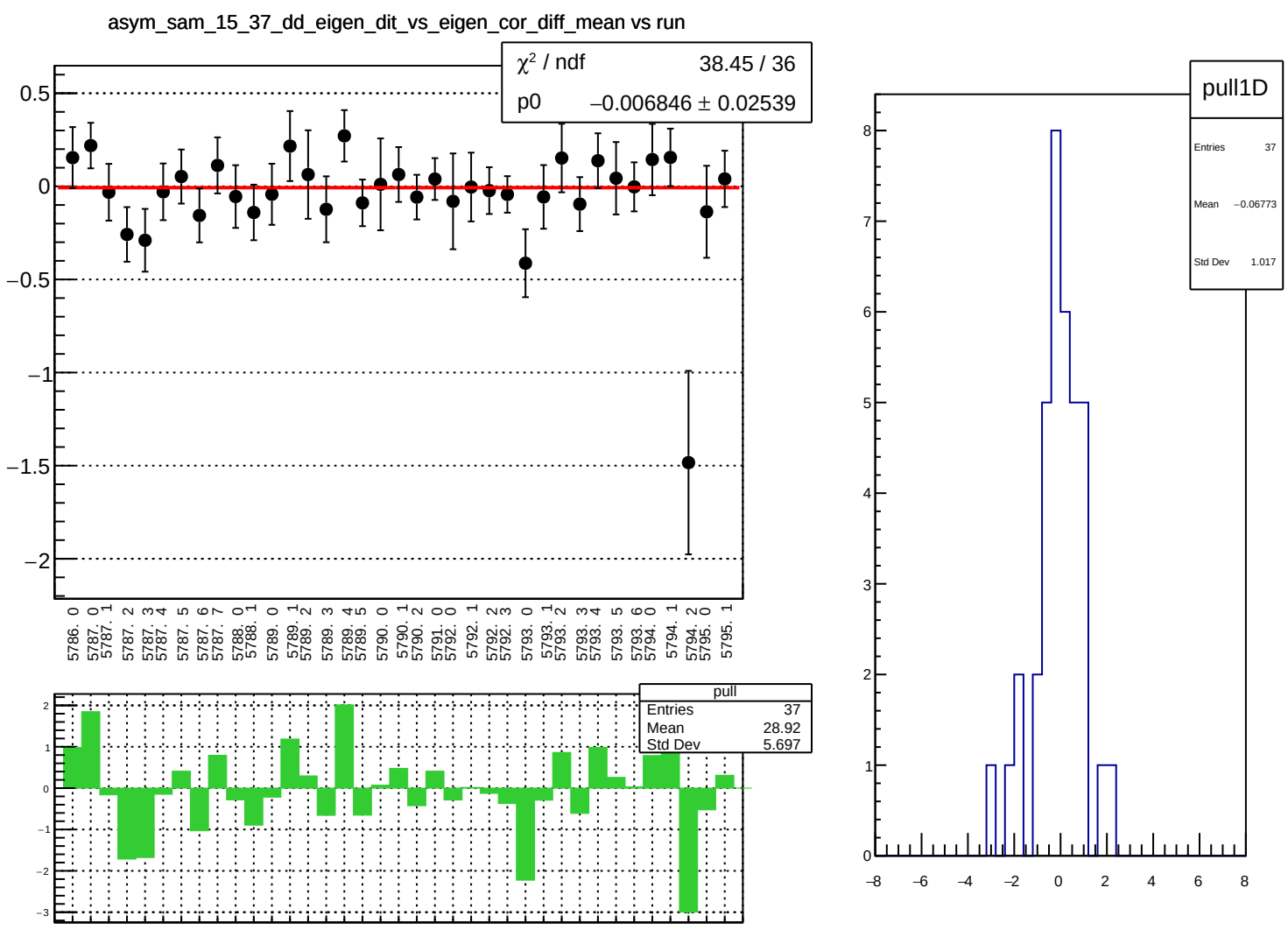

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.66 / 36
p0 2.544e−06 ± 1.471e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 184.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

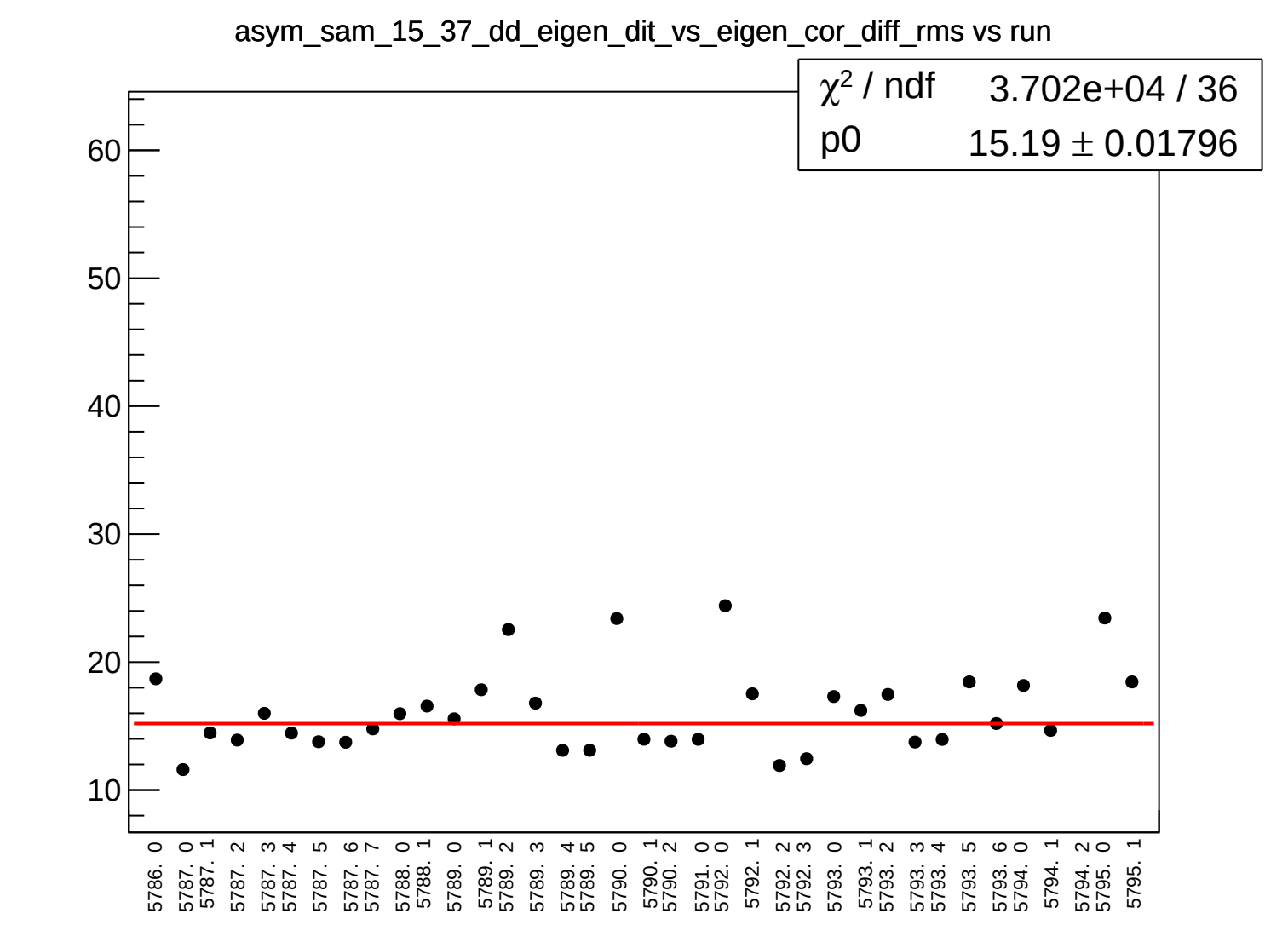

pull1D
Entries 37
Mean −0.01171
Std Dev 1.074
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

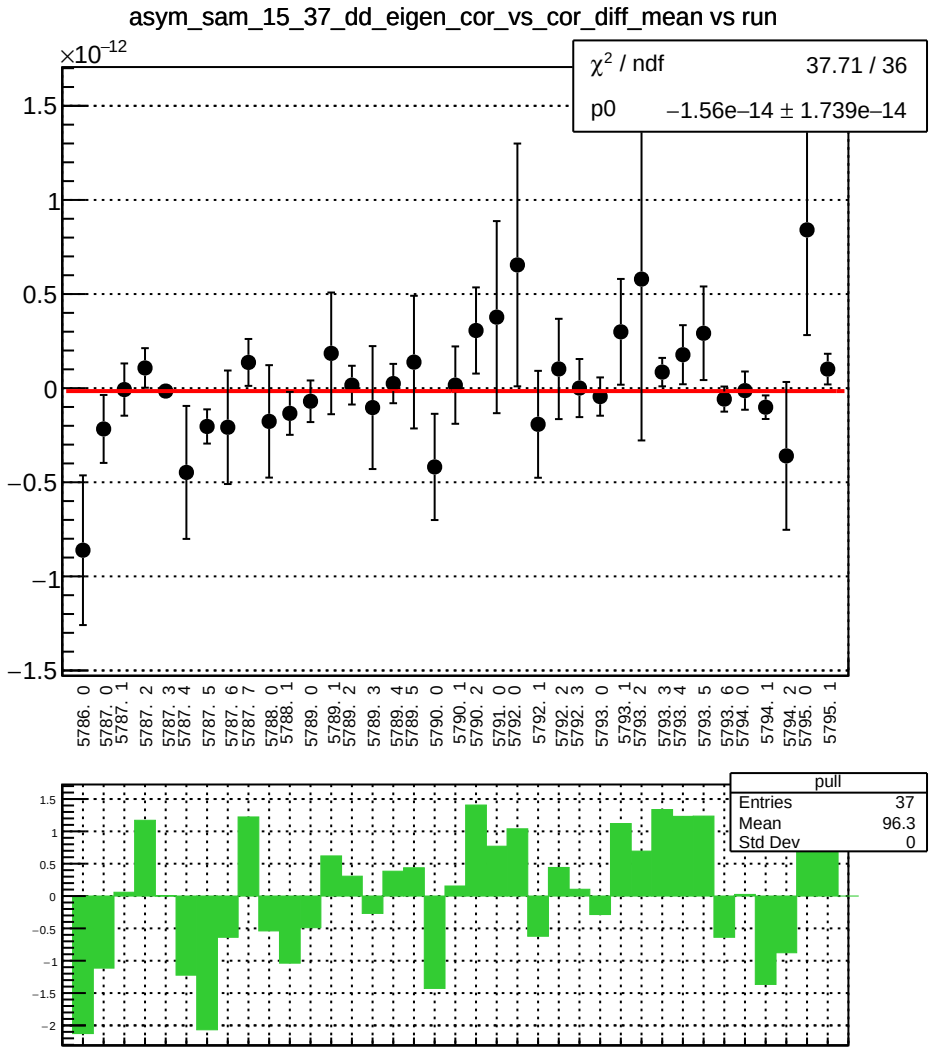

asym_sam_15_37_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 5500 / 36
p0 0.0008991 ± 1.04e−06
0.0011
0.00105
0.001
0.00095
0.0009
0.00085
0.0008
0.00075
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

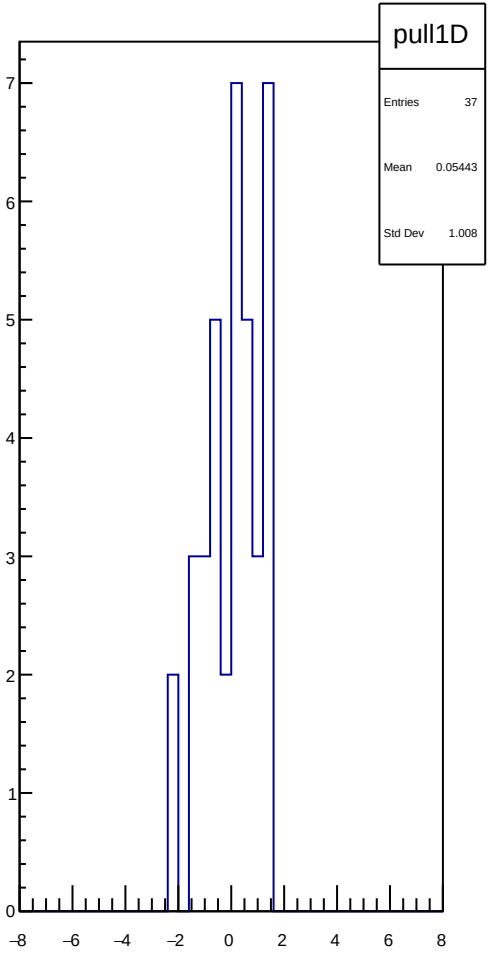

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 38.45 / 36
p0 −0.006846 ± 0.02539
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.92
Std Dev 5.697
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.06773
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

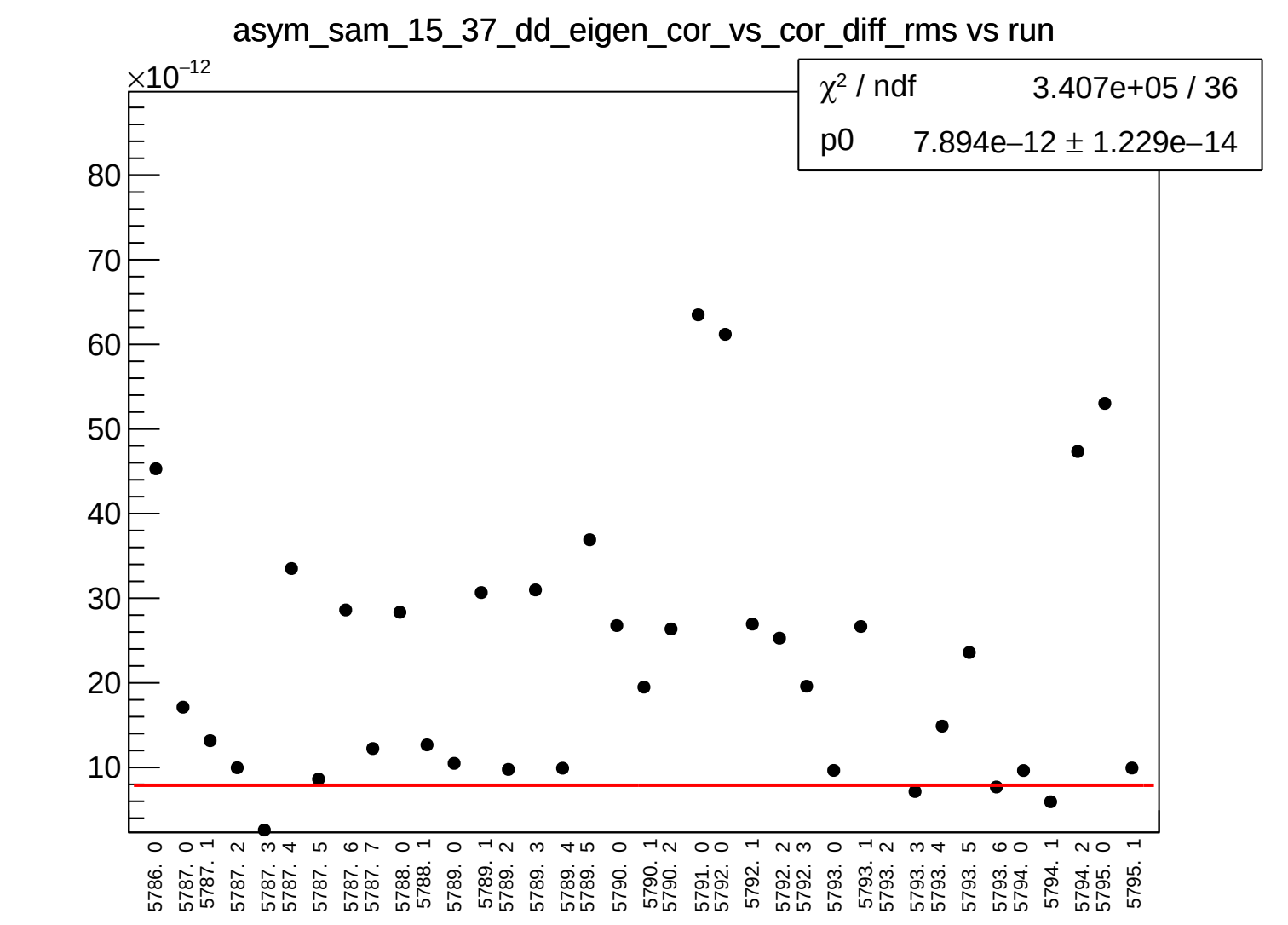

asym_sam_15_37_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 36
p0 15.19 ± 0.01796
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

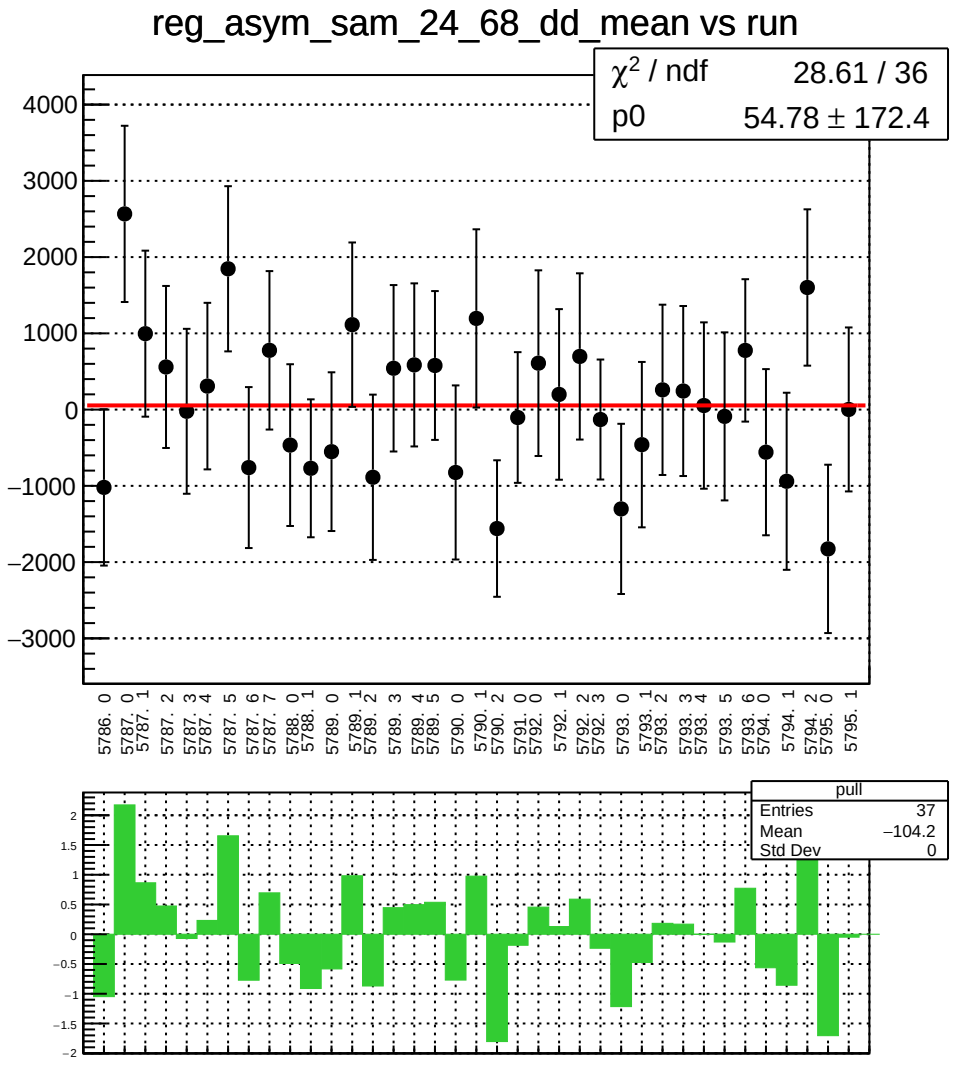

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 38.45 / 36
p0 −0.006846 ± 0.02539
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.92
Std Dev 5.697
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.06773
Std Dev 1.017
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

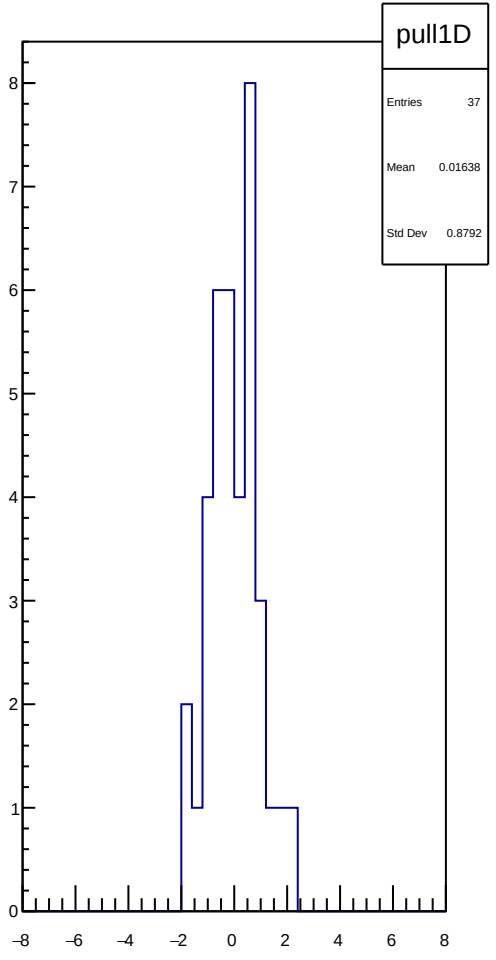

asym_sam_15_37_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.702e+04 / 36
p0 15.19 ± 0.01796
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

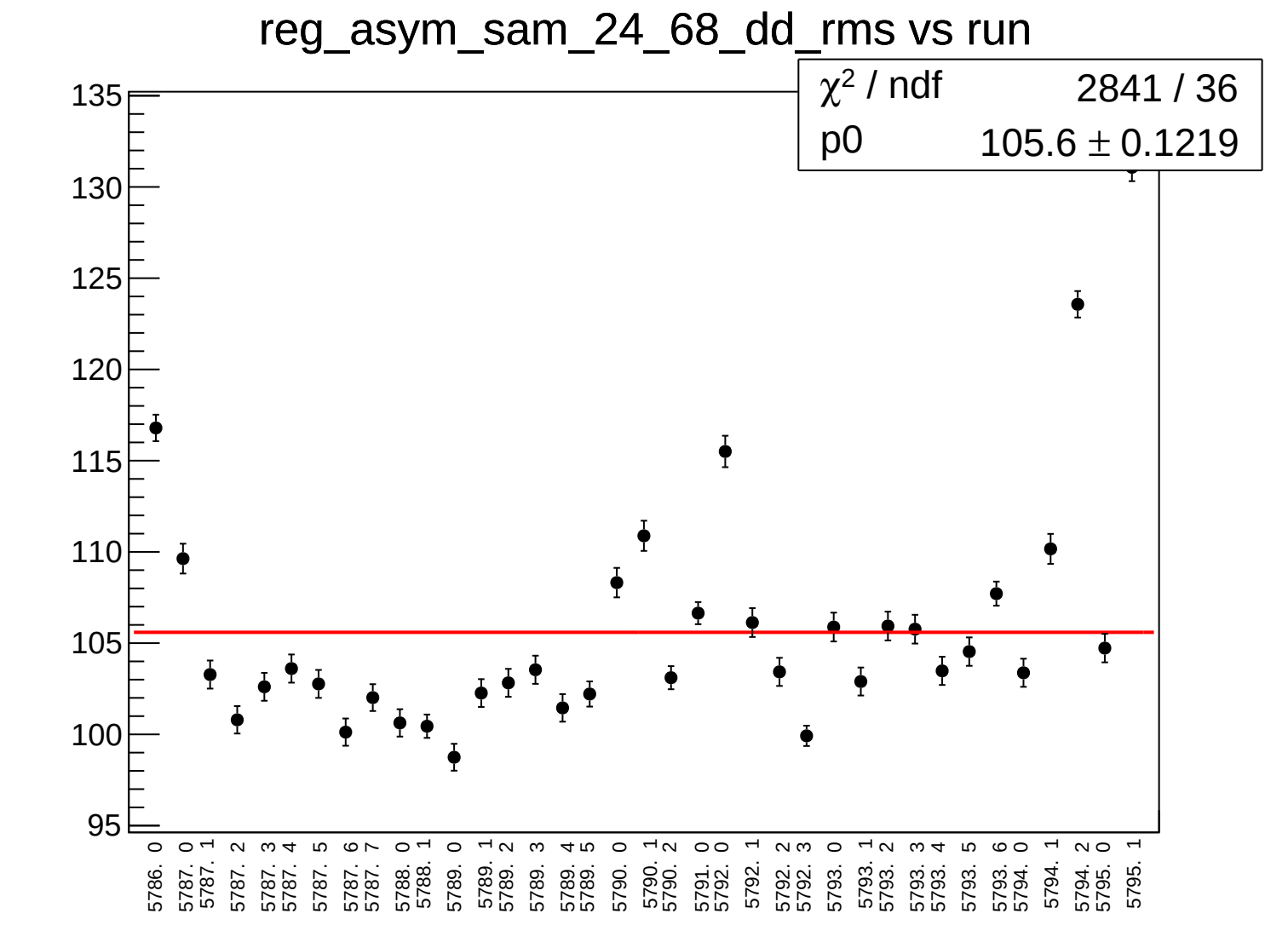

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 37.71 / 36
p0 −1.56e−14 ± 1.739e−14
pull
Entries 37
Mean 96.3
Std Dev 0

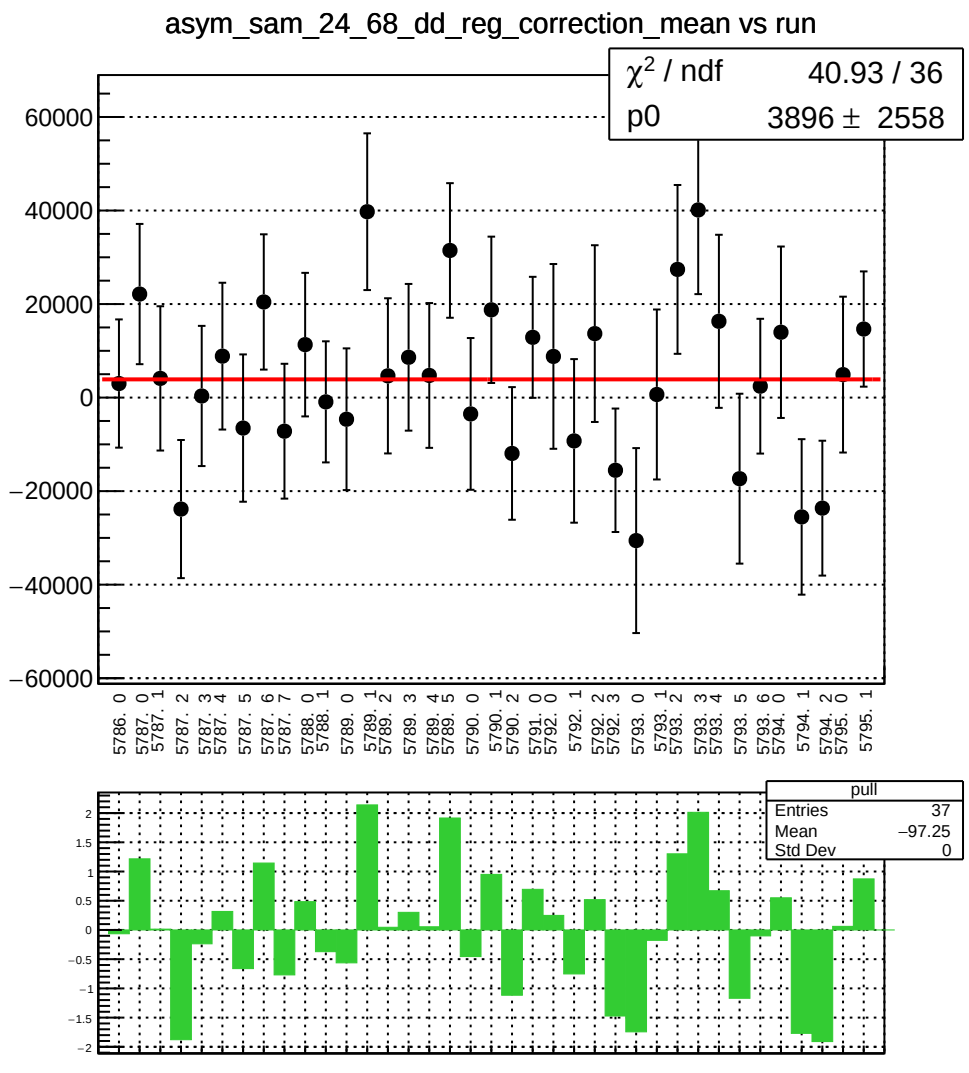

pull1D
Entries 37
Mean 0.05443
Std Dev 1.008

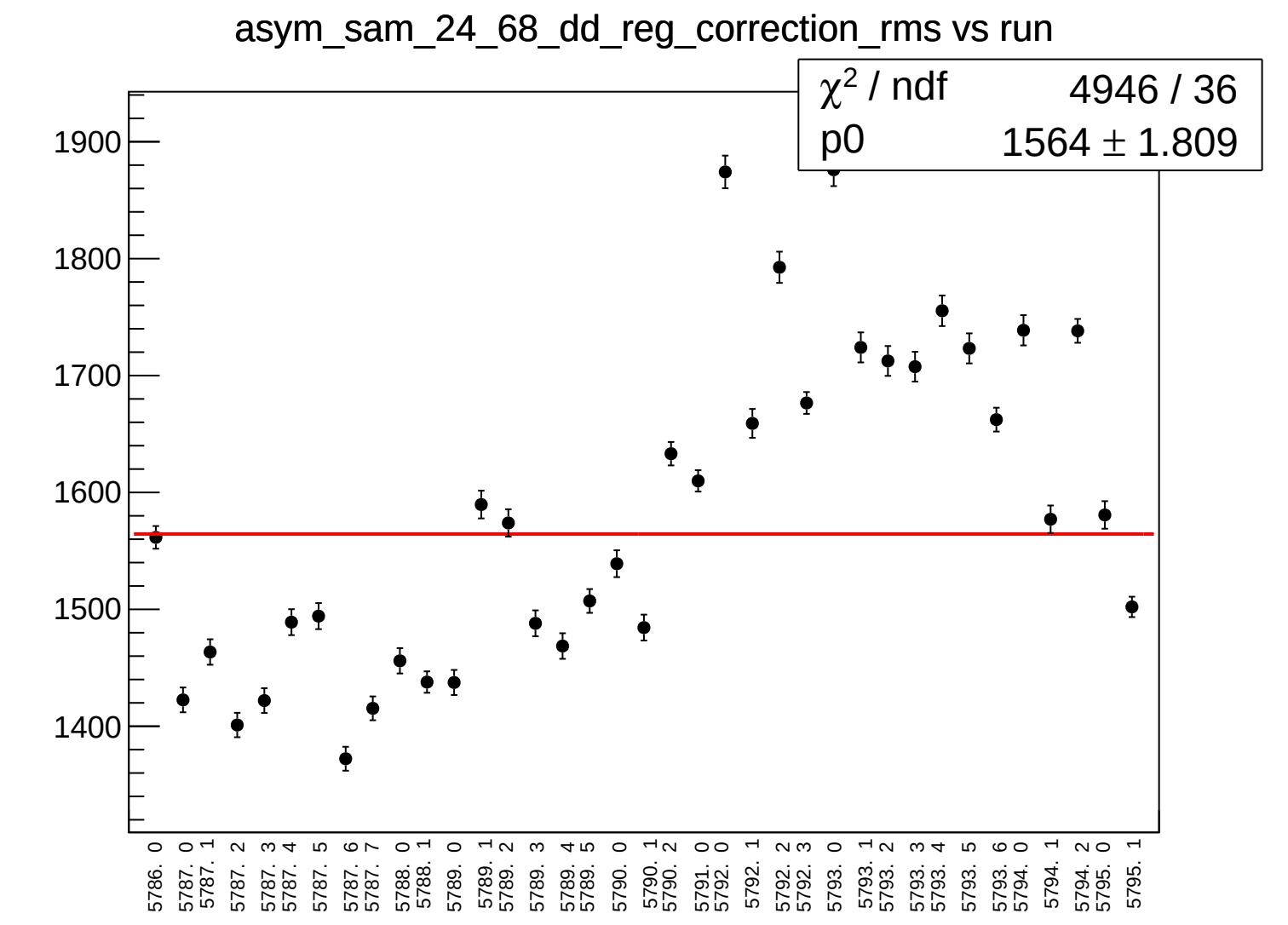

asym_sam_15_37_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 3.407e+05 / 36
p0 7.894e−12 ± 1.229e−14
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_sam_24_68_dd_mean vs run
χ² / ndf 28.61 / 36
p0 54.78 ± 172.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.01638
Std Dev 0.8792
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_24_68_dd_rms vs run
χ² / ndf 2841 / 36
p0 105.6 ± 0.1219
135
130
125
120
115
110
105
100
95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_24_68_dd_reg_correction_mean vs run
χ² / ndf 40.93 / 36
p0 3896 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.25
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.008217
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_reg_correction_rms vs run
χ² / ndf 4946 / 36
p0 1564 ± 1.809
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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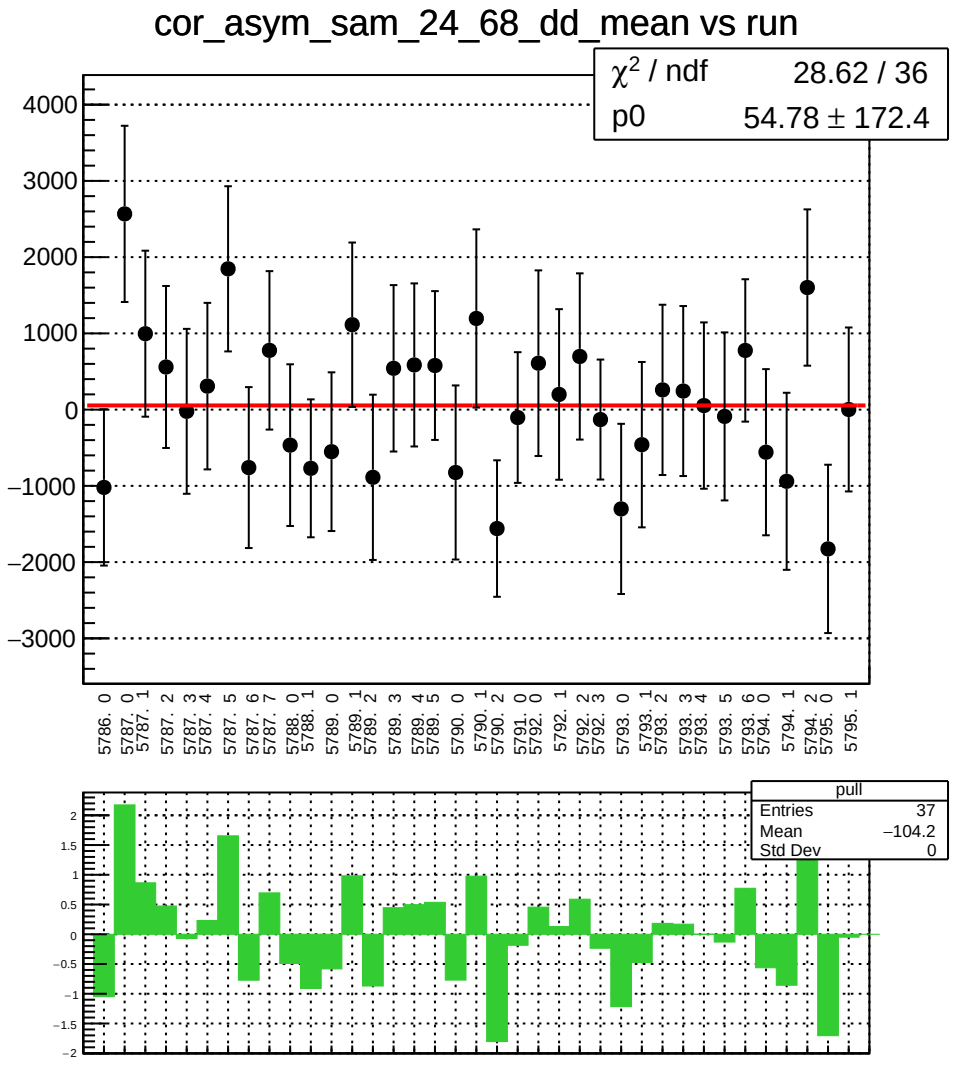
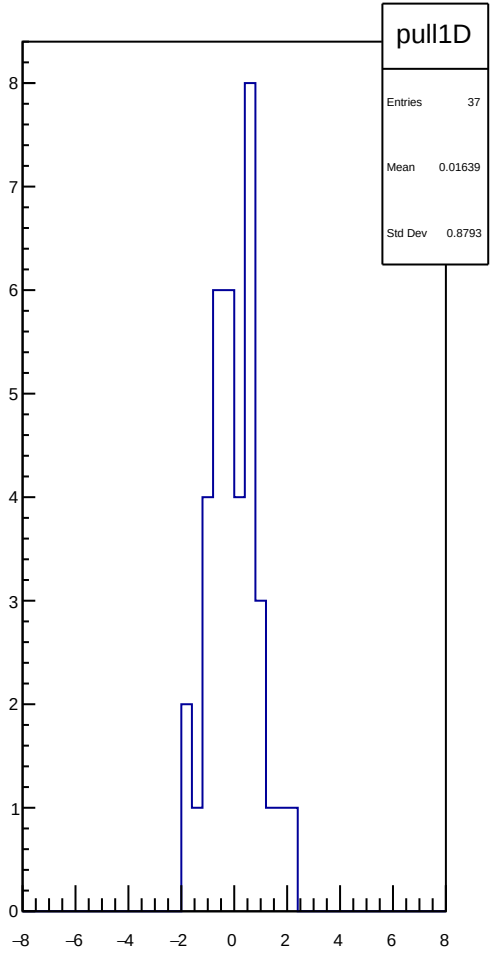
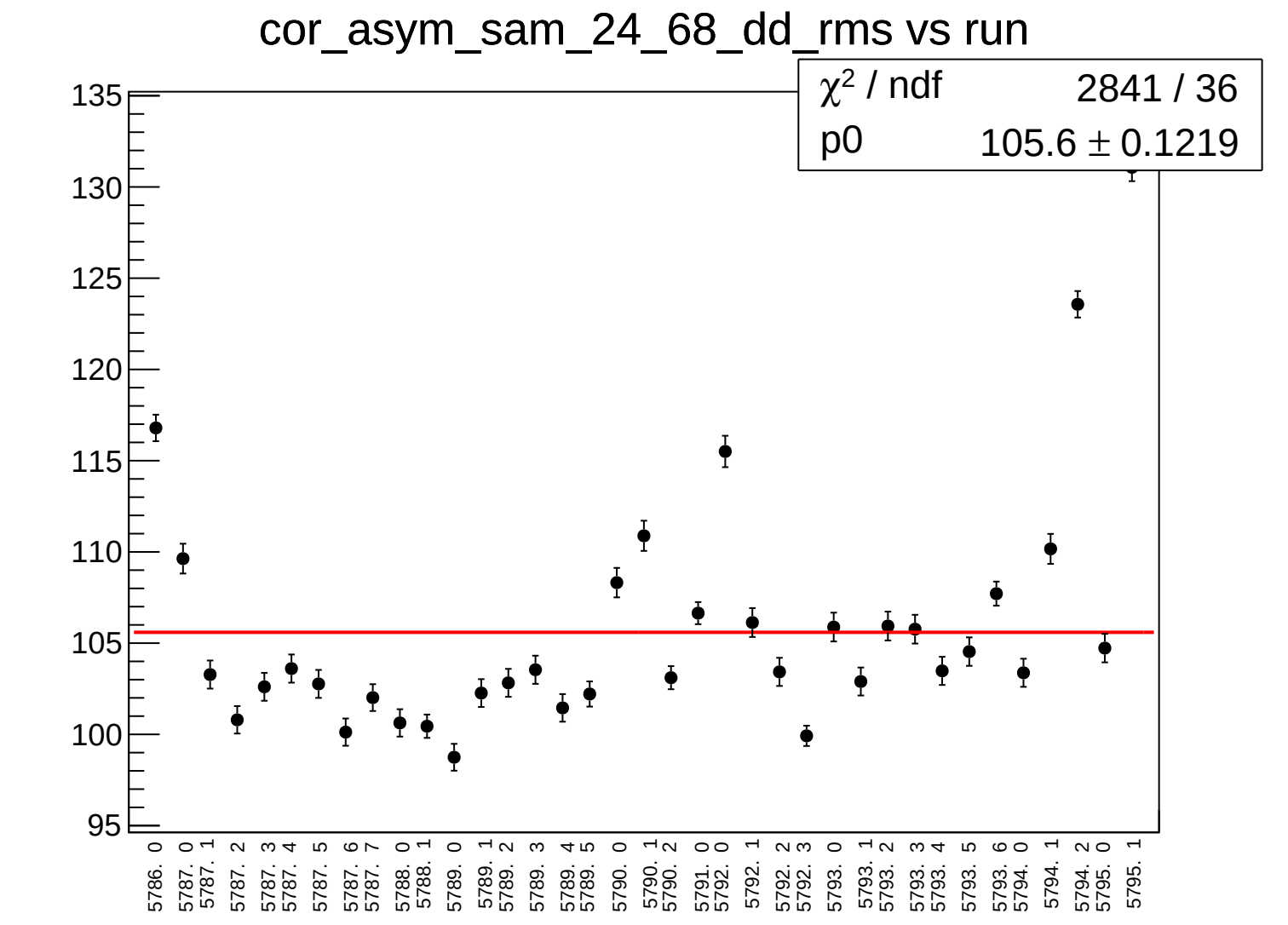
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 28.62 / 36
p0 54.78 ± 172.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.01639
Std Dev 0.8793
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2841 / 36
p0 105.6 ± 0.1219
135
130
125
120
115
110
105
100
95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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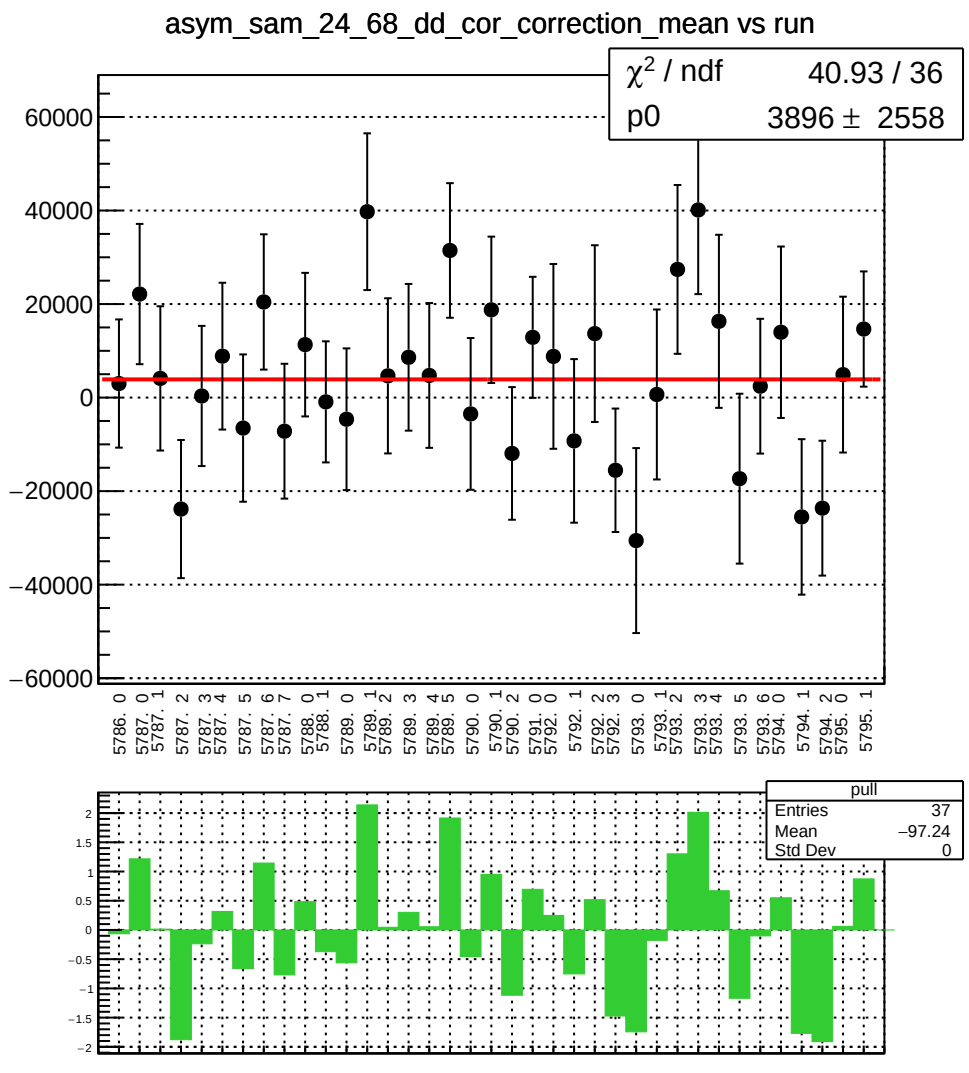
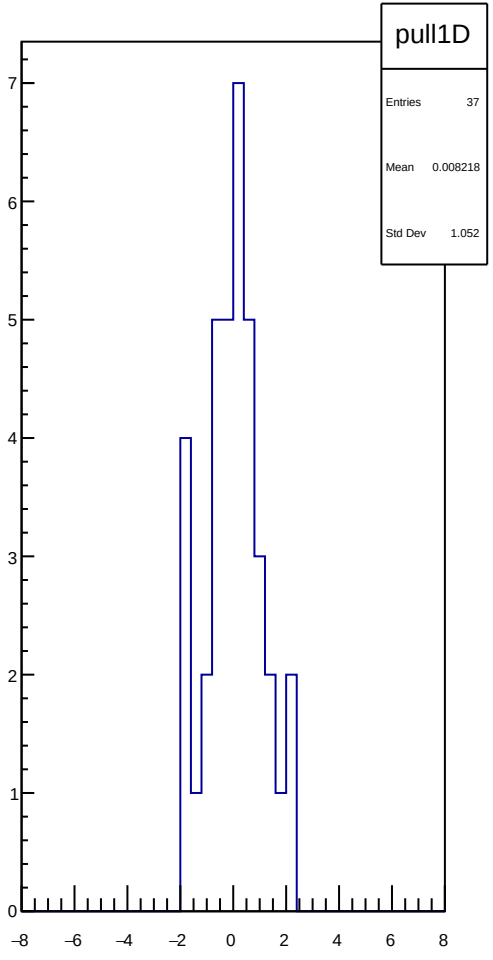
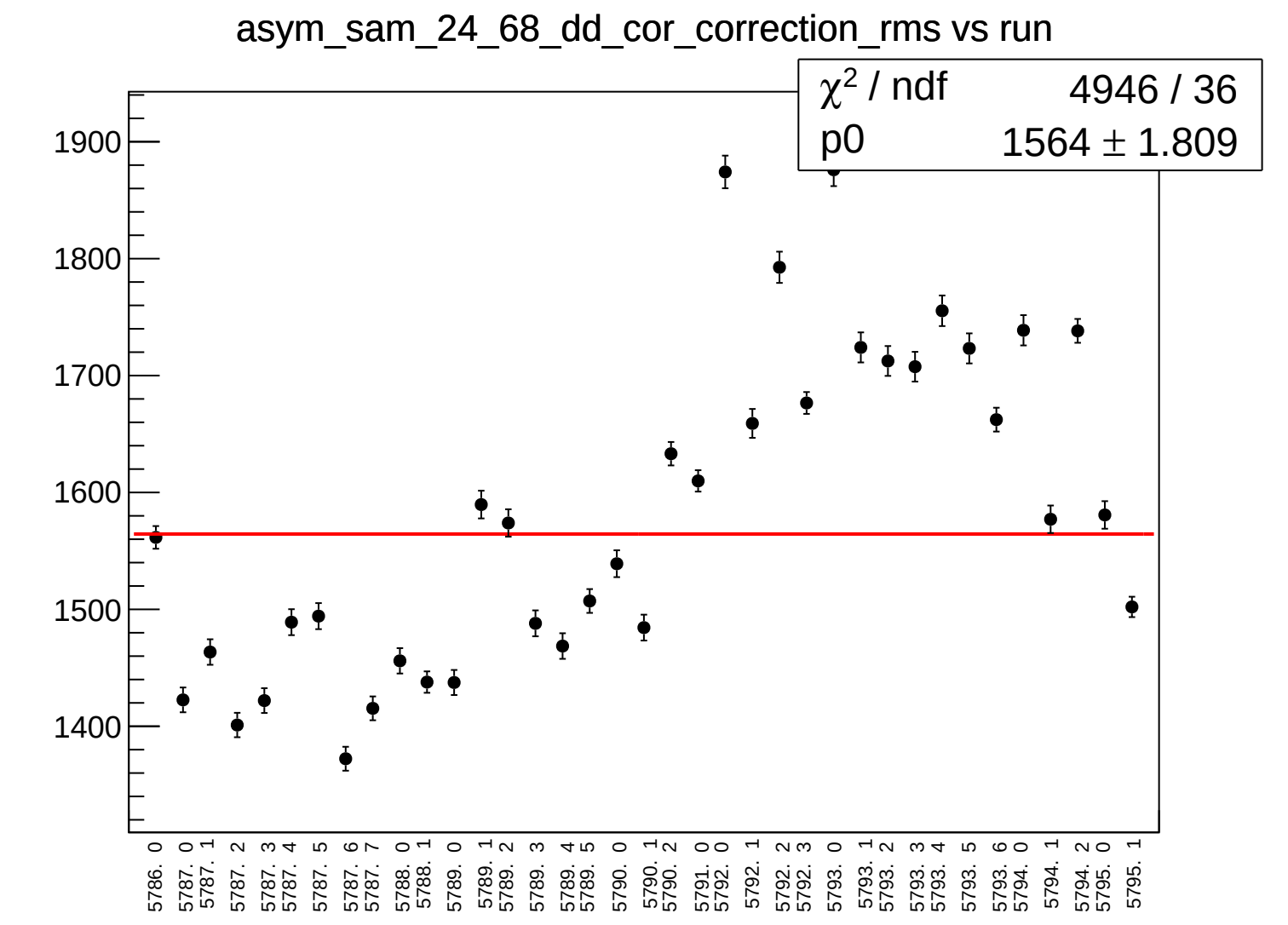
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_24_68_dd_cor_correction_mean vs run
χ² / ndf 40.93 / 36
p0 3896 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.008218
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_24_68_dd_cor_correction_rms vs run
χ² / ndf 4946 / 36
p0 1564 ± 1.809
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 5
5793. 6
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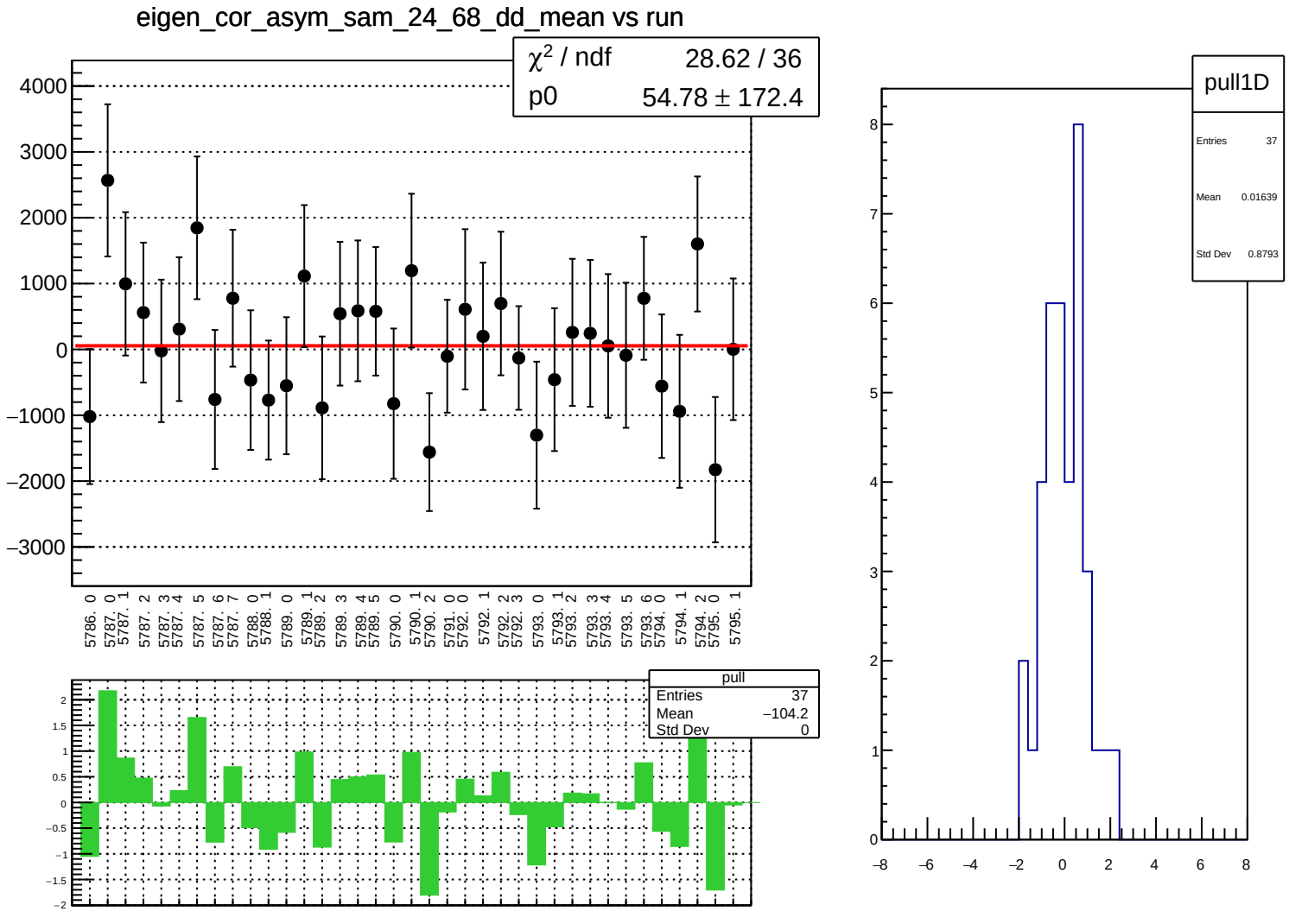
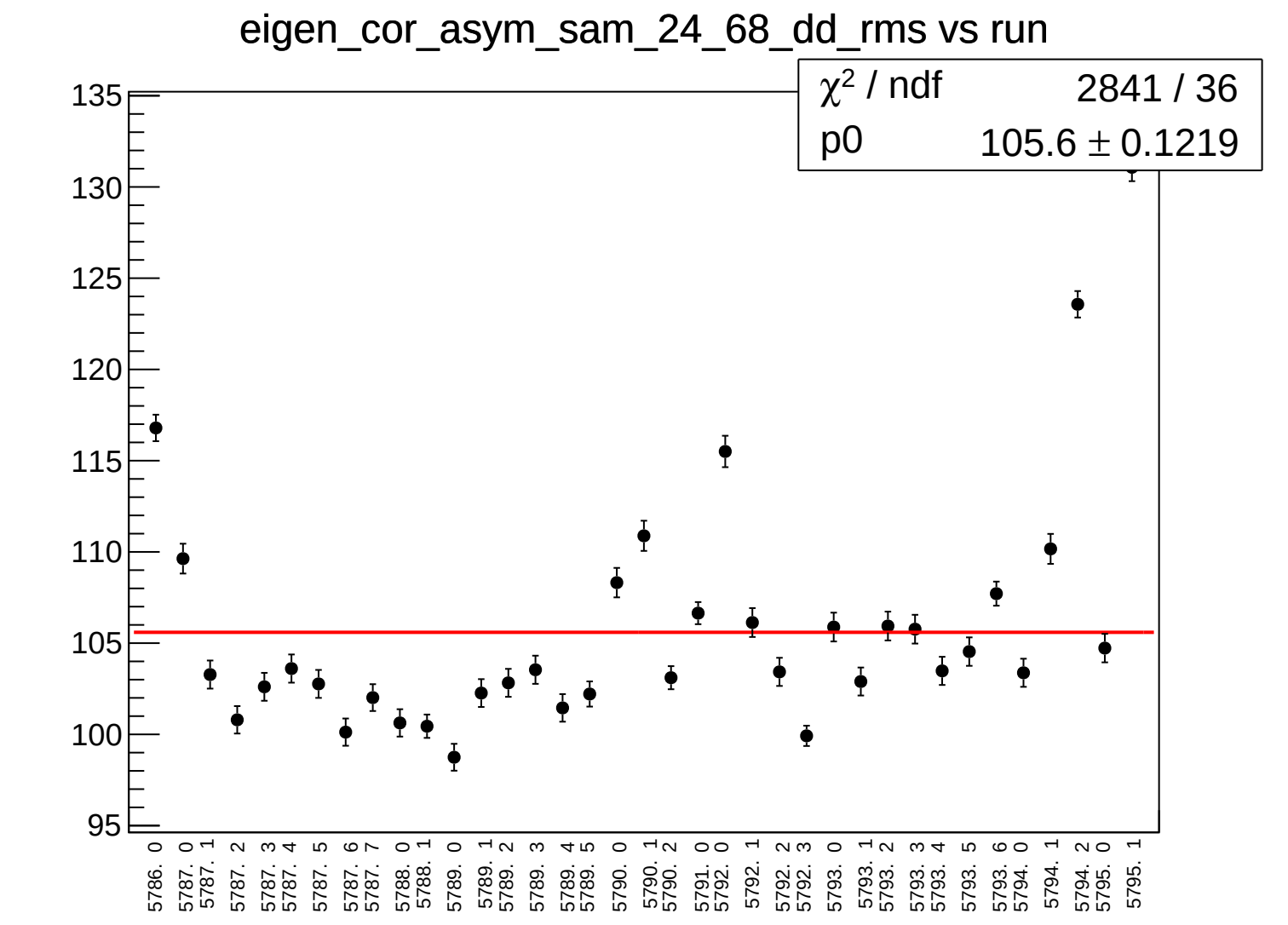
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam_24_68_dd_mean vs run
χ² / ndf 28.62 / 36
p0 54.78 ± 172.4
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −104.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01639
Std Dev 0.8793
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_24_68_dd_rms vs run
χ² / ndf 2841 / 36
p0 105.6 ± 0.1219
135
130
125
120
115
110
105
100
95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5789. 5
5790. 0
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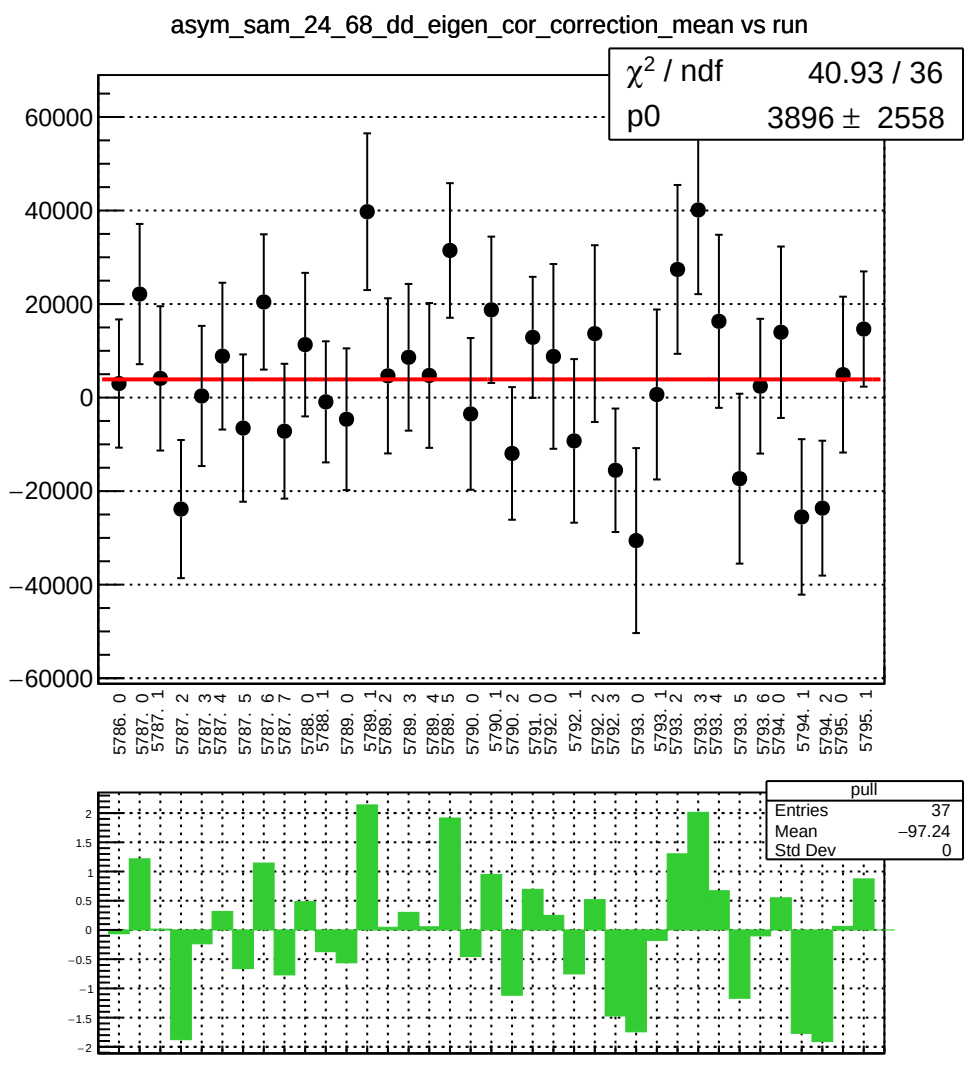
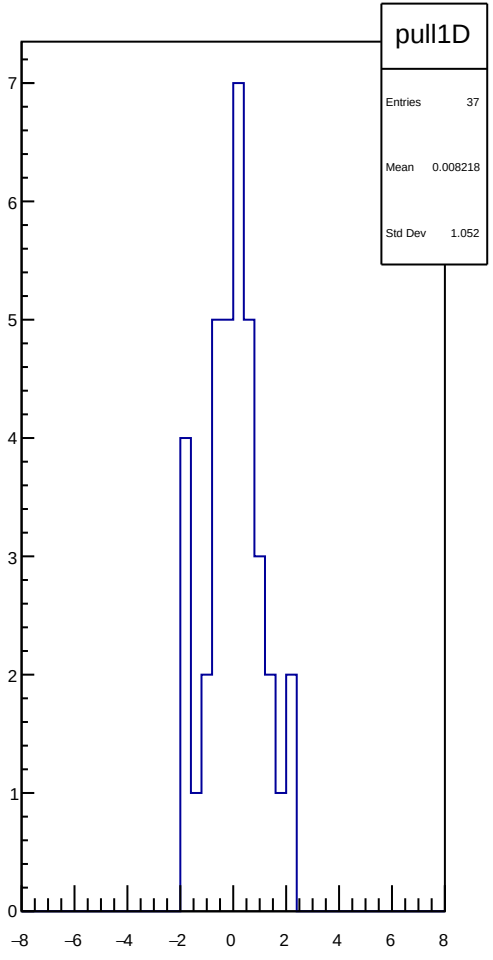
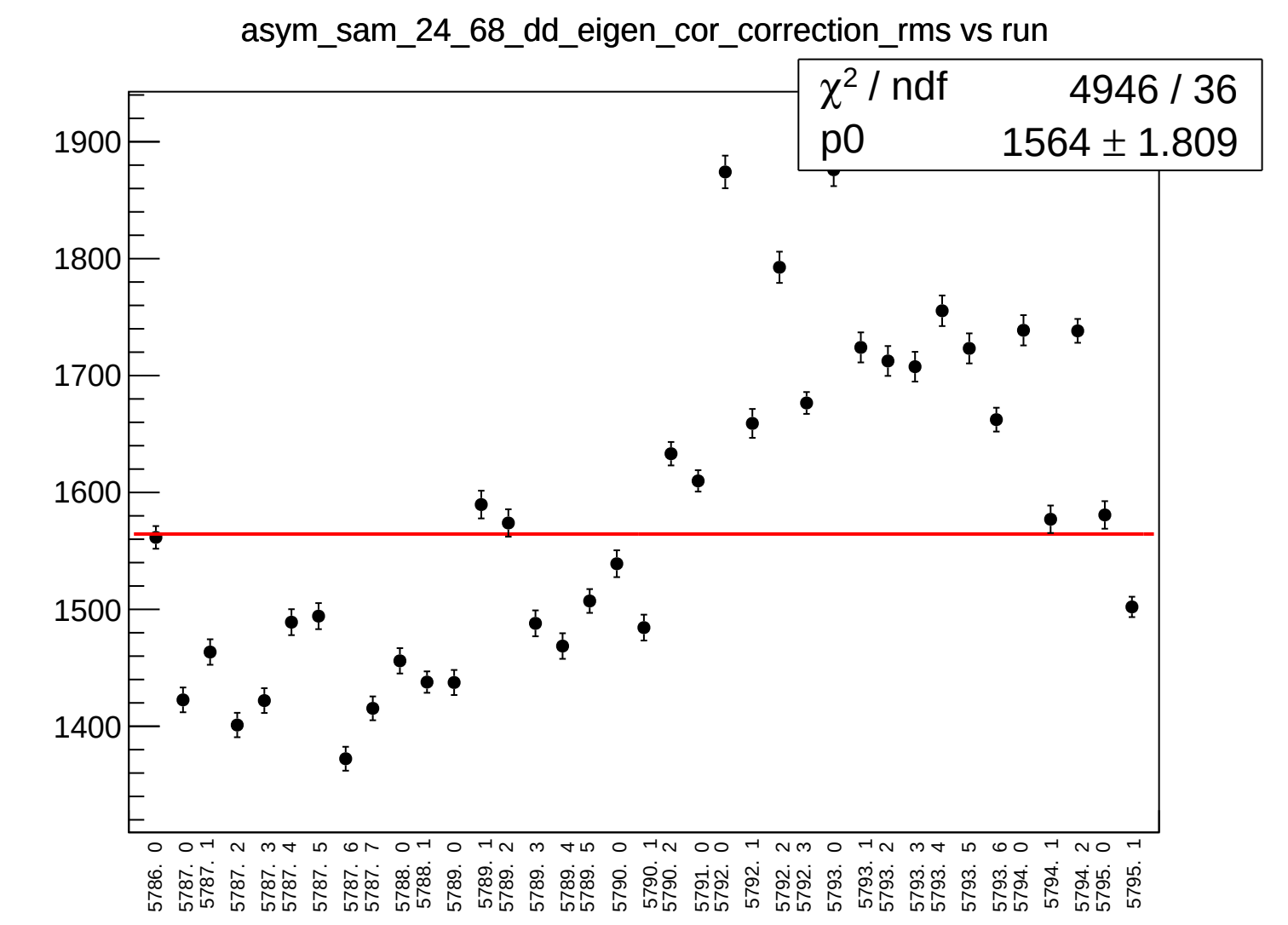
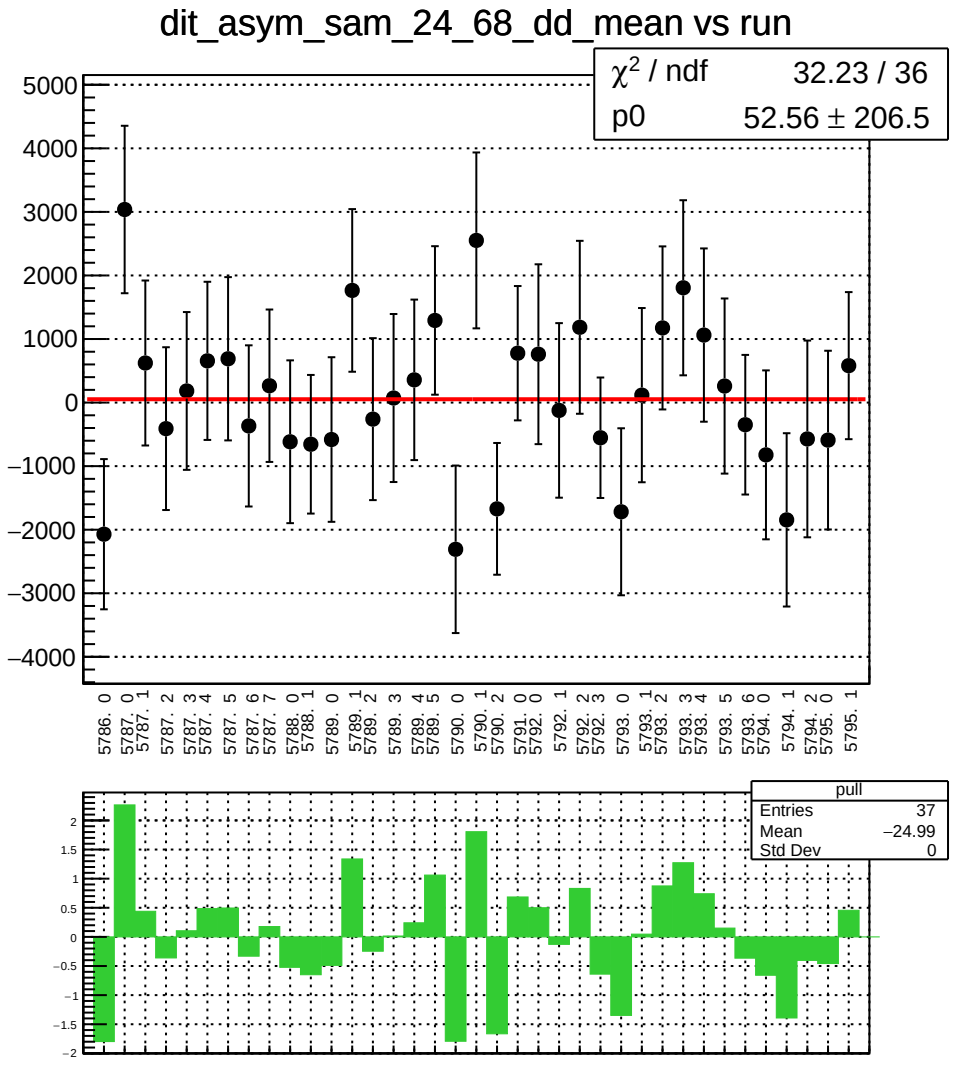
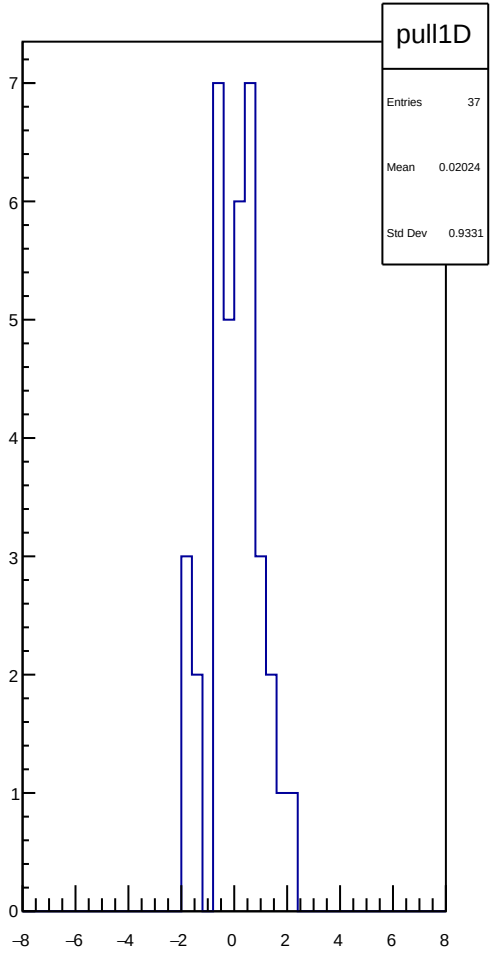
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

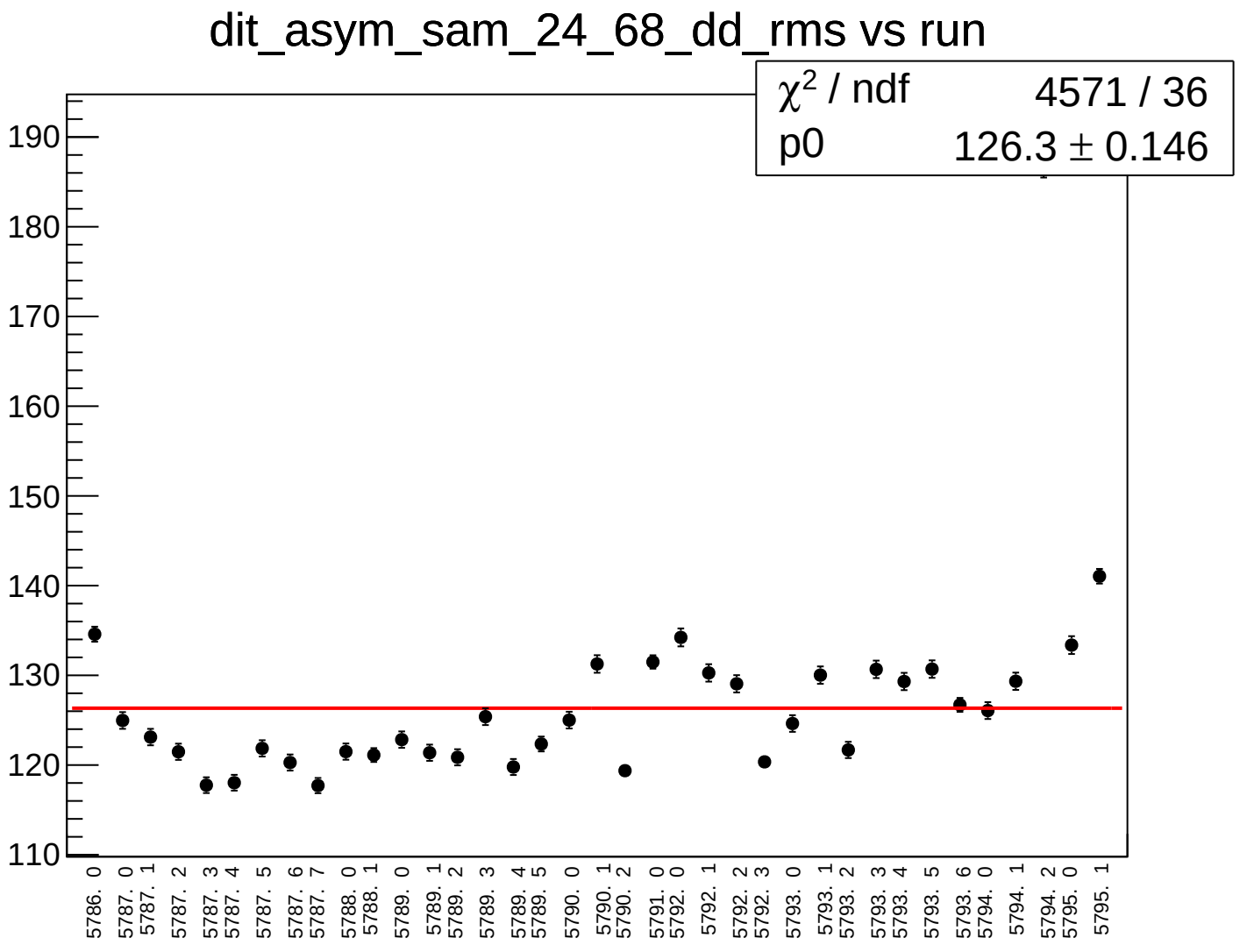

asym_sam_24_68_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.93 / 36
p0 3896 ± 2558
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.24
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

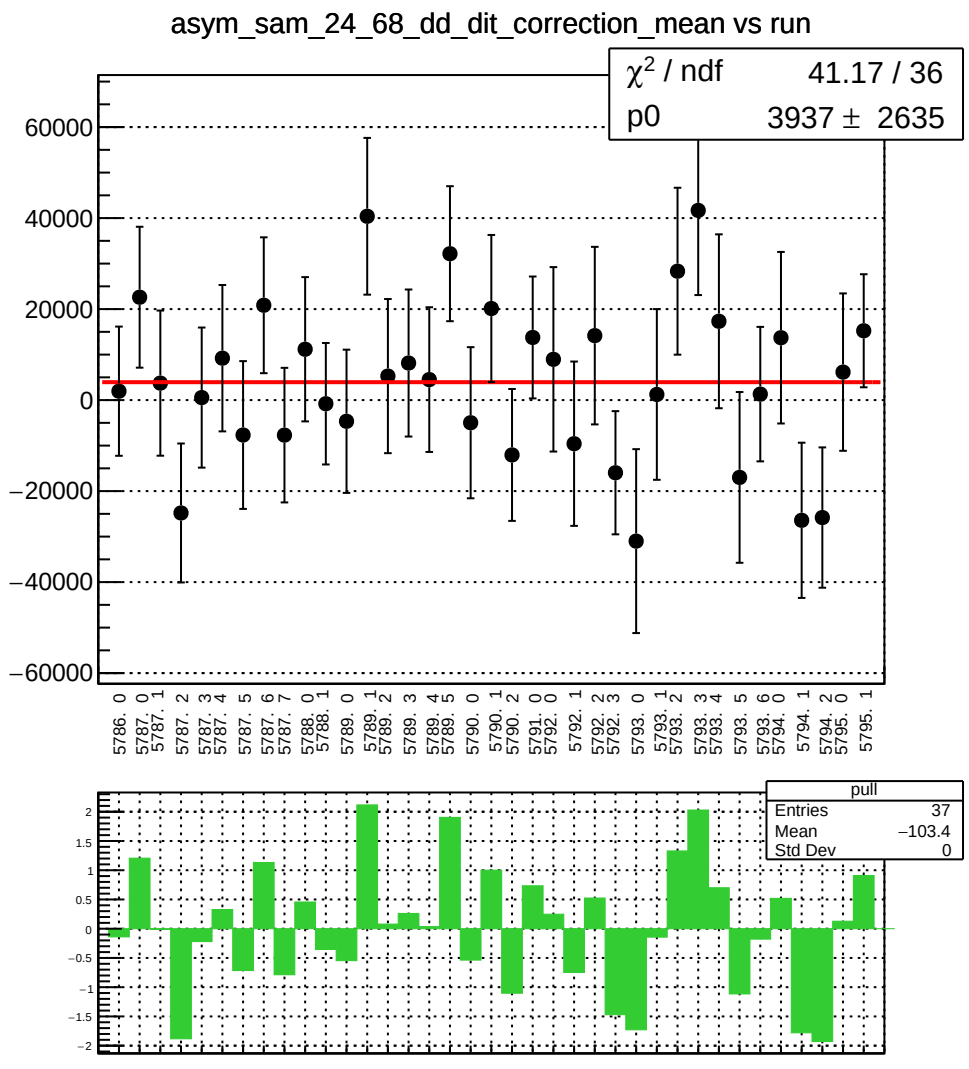

pull1D
Entries 37
Mean 0.008218
Std Dev 1.052
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

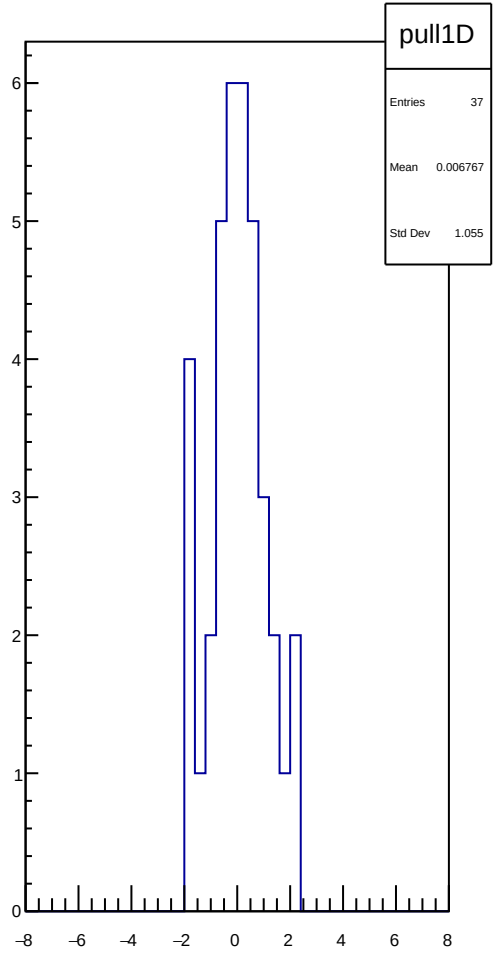

asym_sam_24_68_dd_eigen_cor_correction_rms vs run
χ² / ndf 4946 / 36
p0 1564 ± 1.809
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

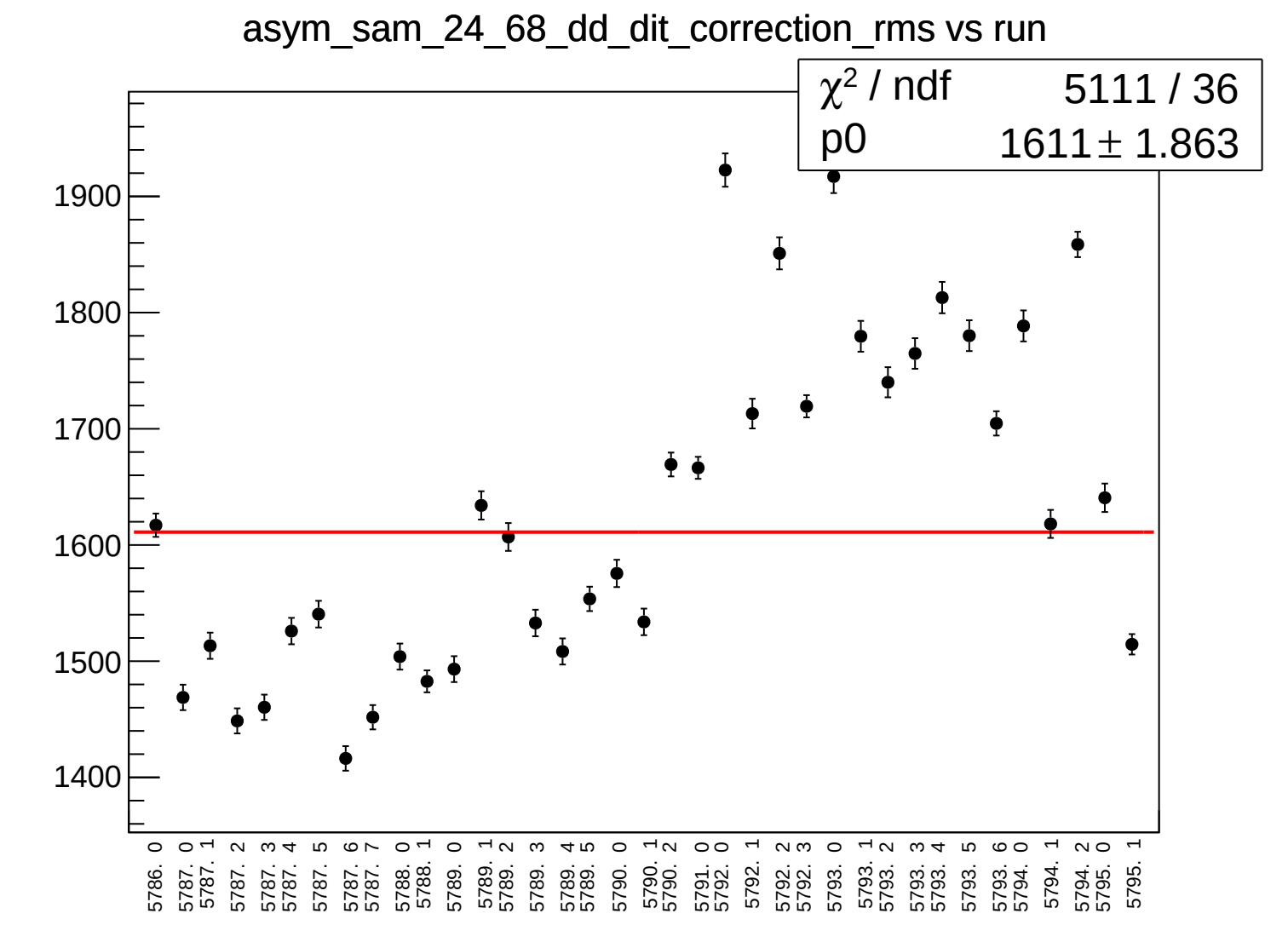

dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 32.23 / 36
p0 52.56 ± 206.5
pull
Entries 37
Mean −24.99
Std Dev 0

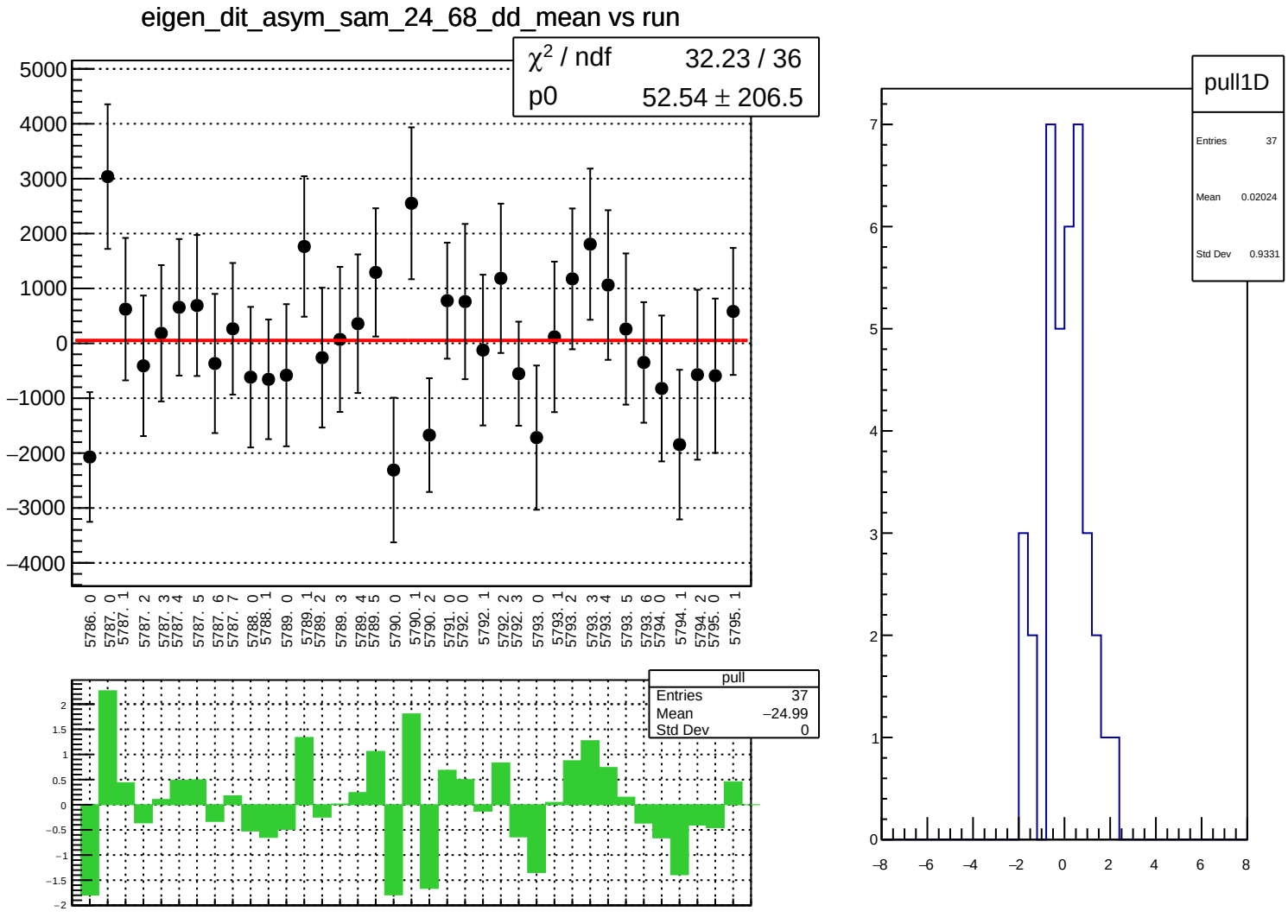

pull1D
Entries 37
Mean 0.02024
Std Dev 0.9331

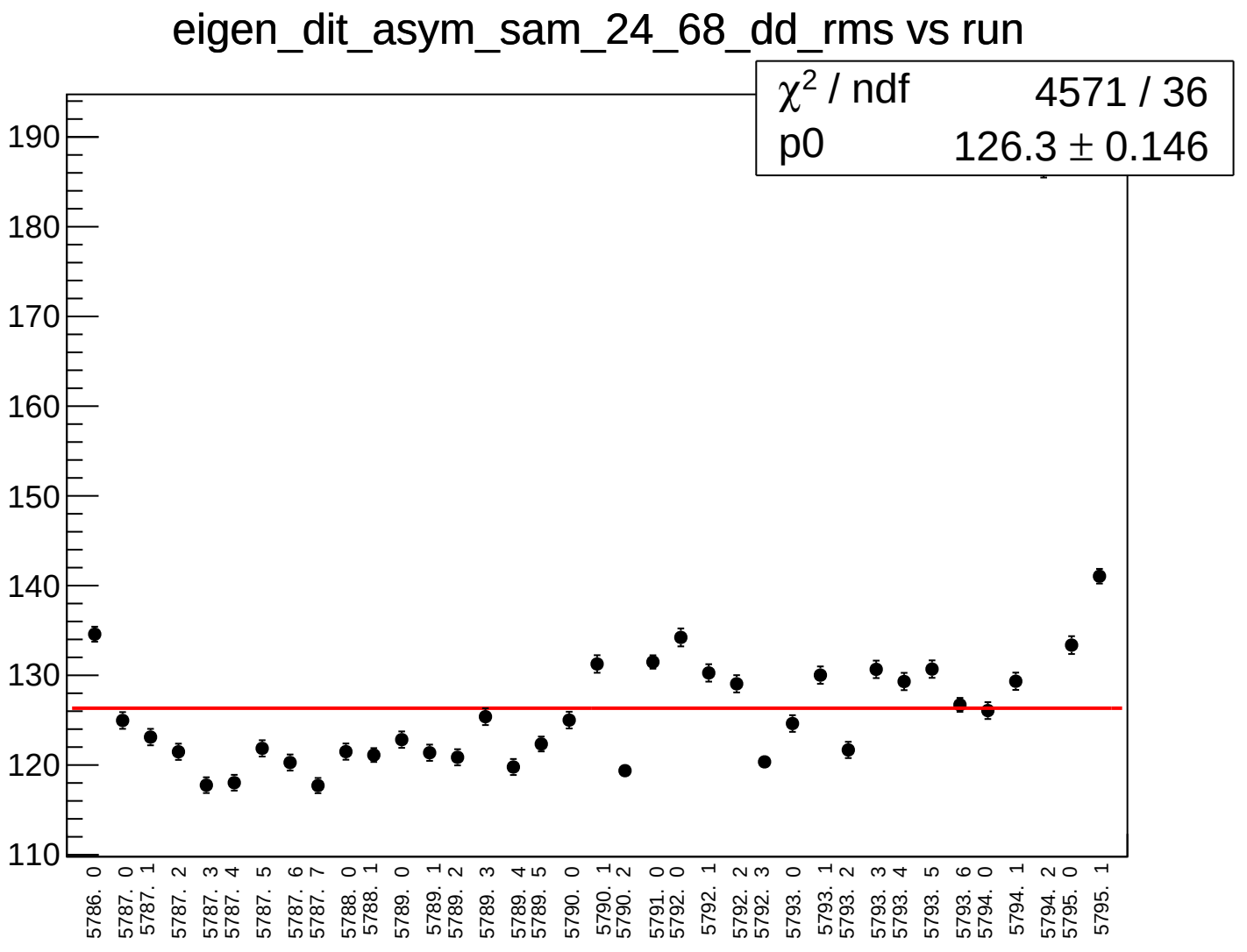

dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4571 / 36
p0 126.3 ± 0.146
190
180
170
160
150
140
130
120
110
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

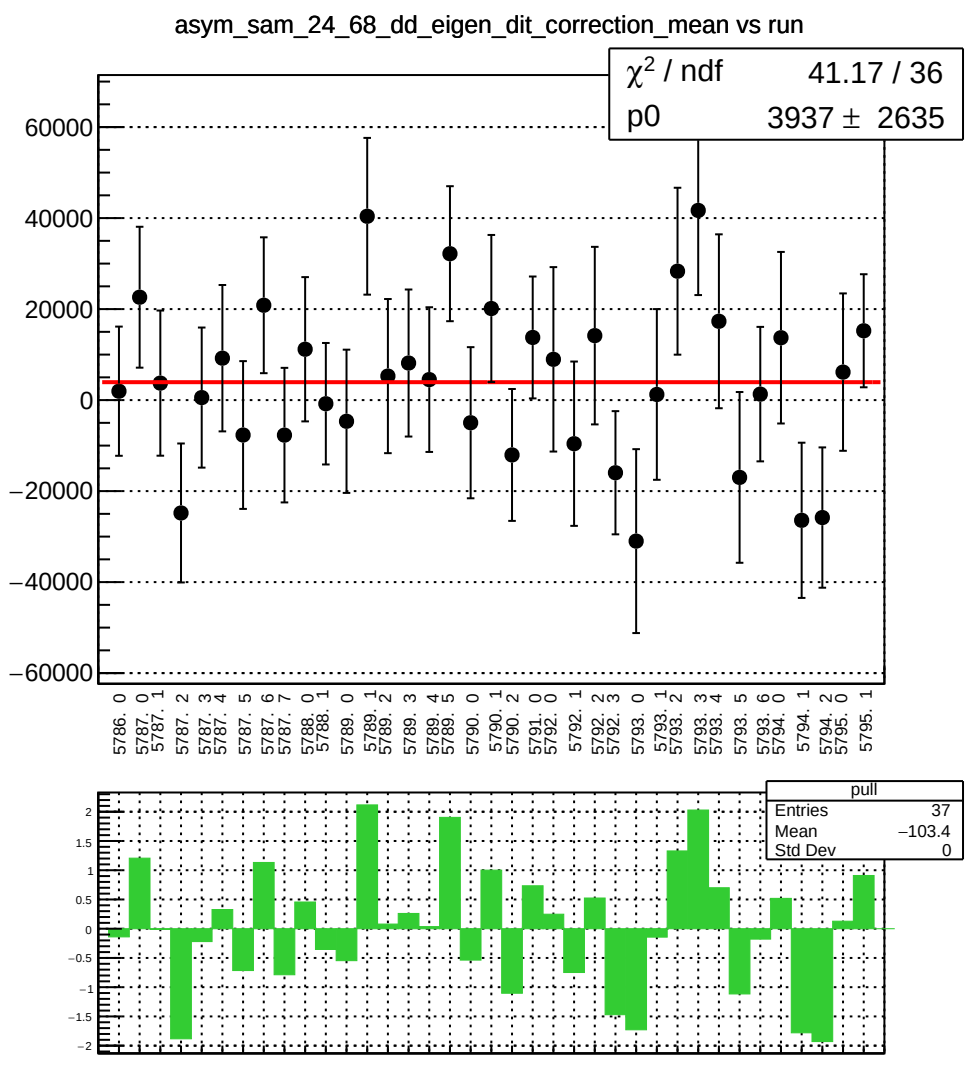

asym_sam_24_68_dd_dit_correction_mean vs run
χ² / ndf 41.17 / 36
p0 3937 ± 2635
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −103.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

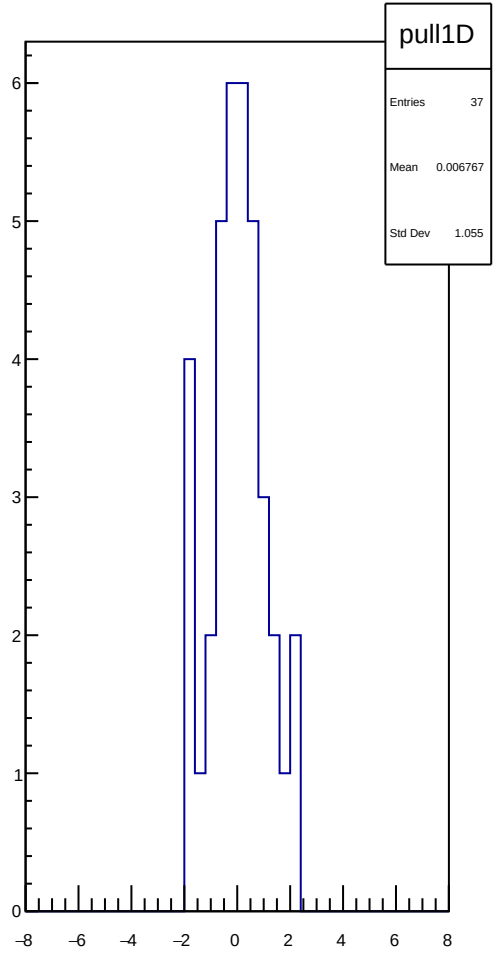

pull1D
Entries 37
Mean 0.006767
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

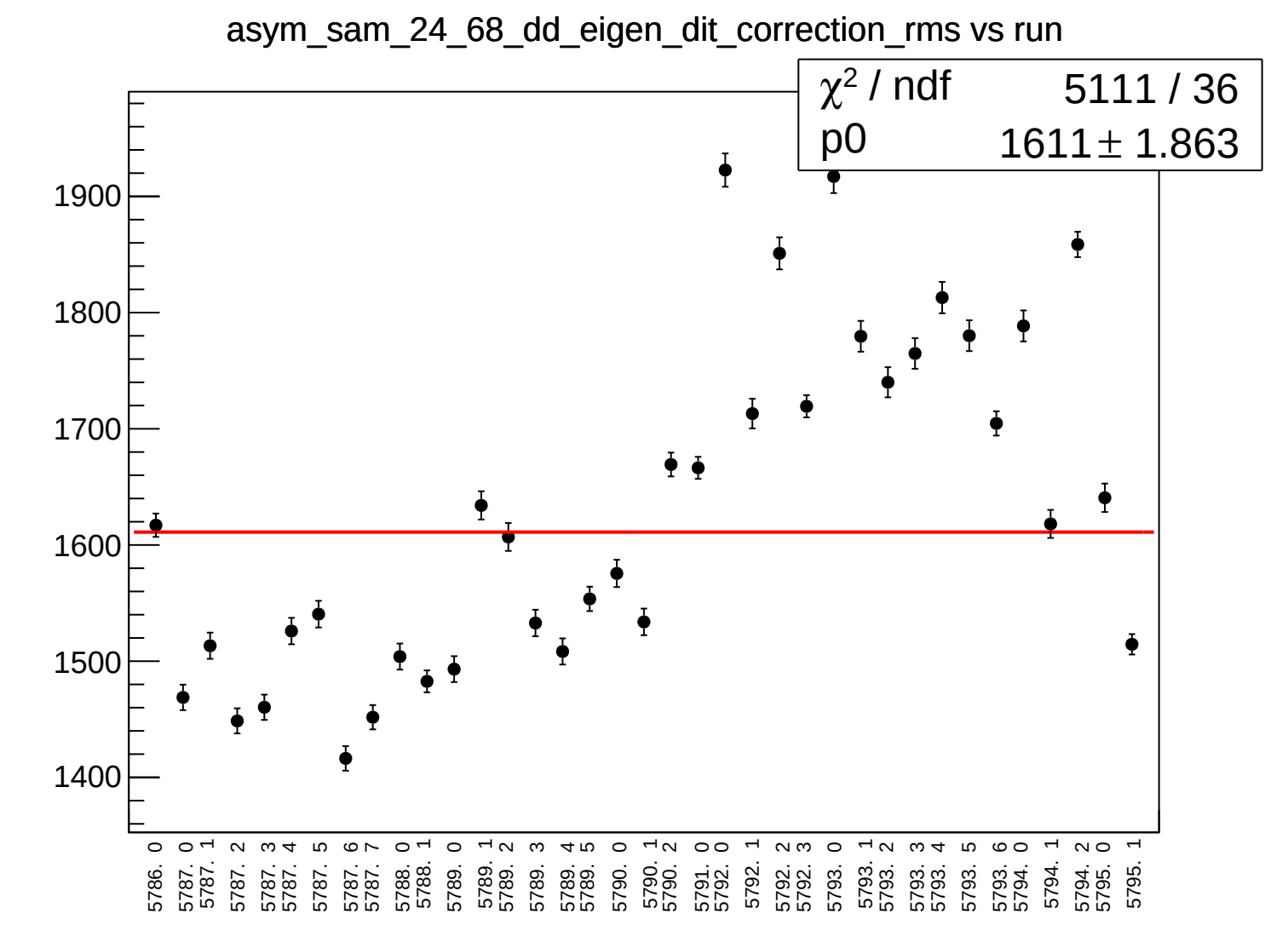

asym_sam_24_68_dd_dit_correction_rms vs run
χ² / ndf 5111 / 36
p0 1611 ± 1.863
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

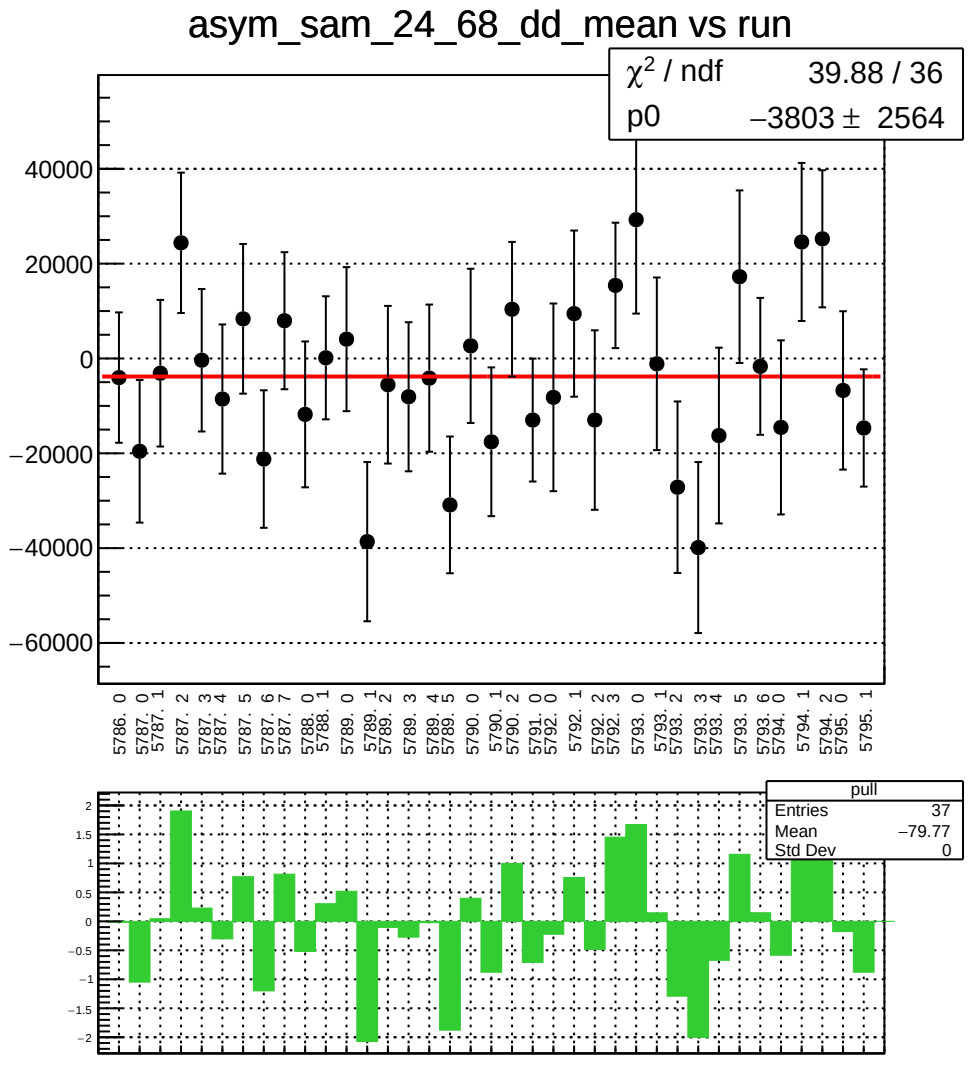

eigen_dit_asym_sam_24_68_dd_mean vs run
χ² / ndf 32.23 / 36
p0 52.54 ± 206.5
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −24.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.02024
Std Dev 0.9331
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

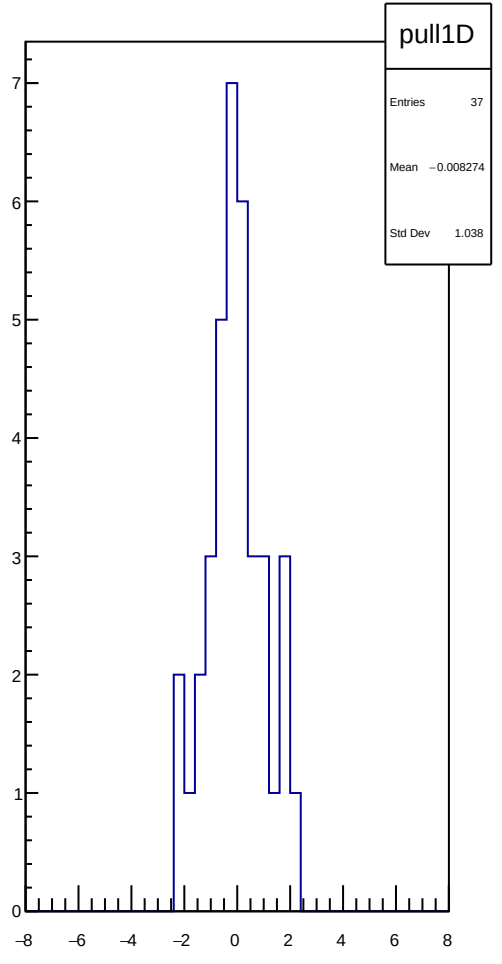

eigen_dit_asym_sam_24_68_dd_rms vs run
χ² / ndf 4571 / 36
p0 126.3 ± 0.146
190
180
170
160
150
140
130
120
110
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

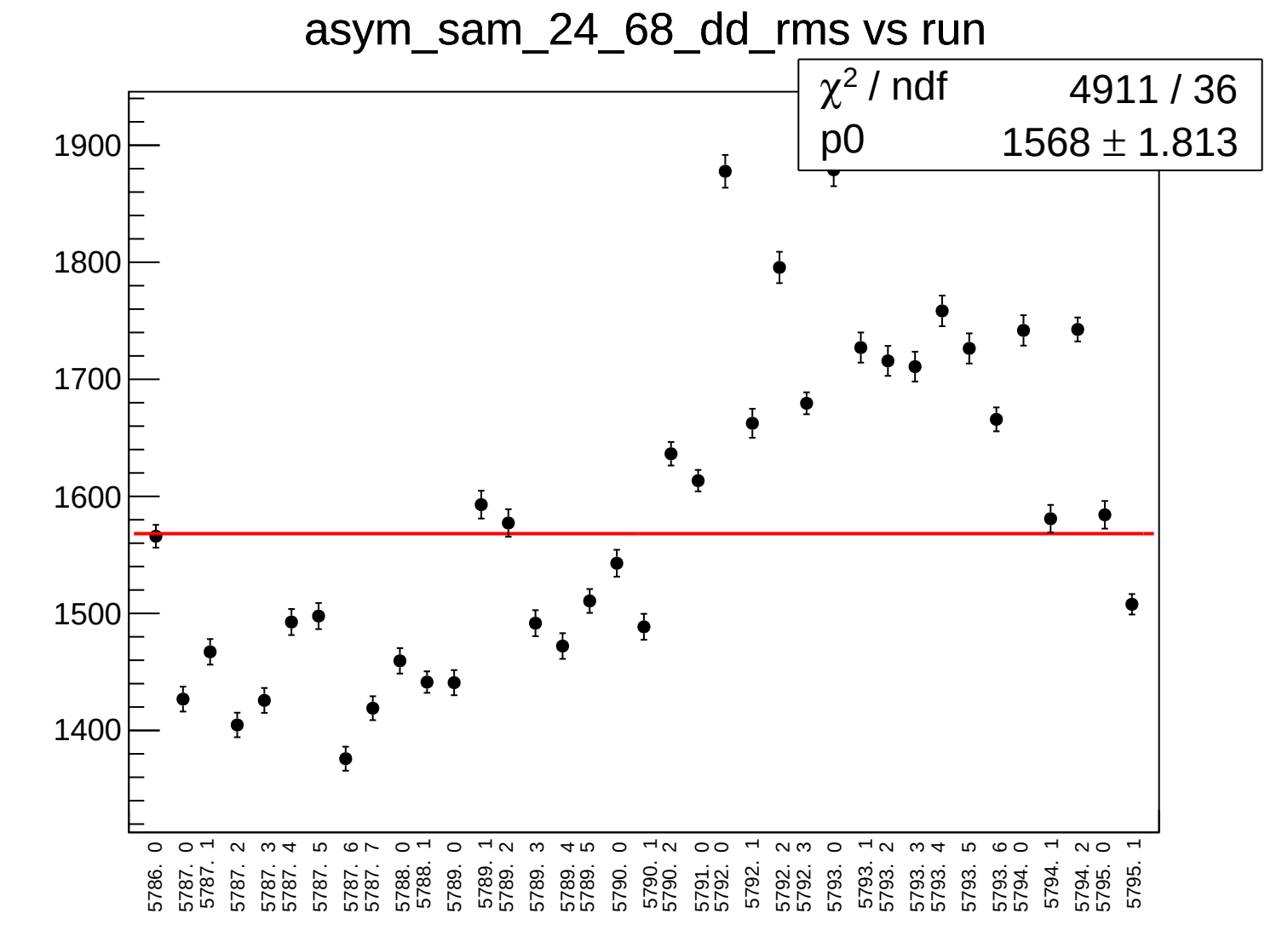

asym_sam_24_68_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.17 / 36
p0 3937 ± 2635
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −103.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

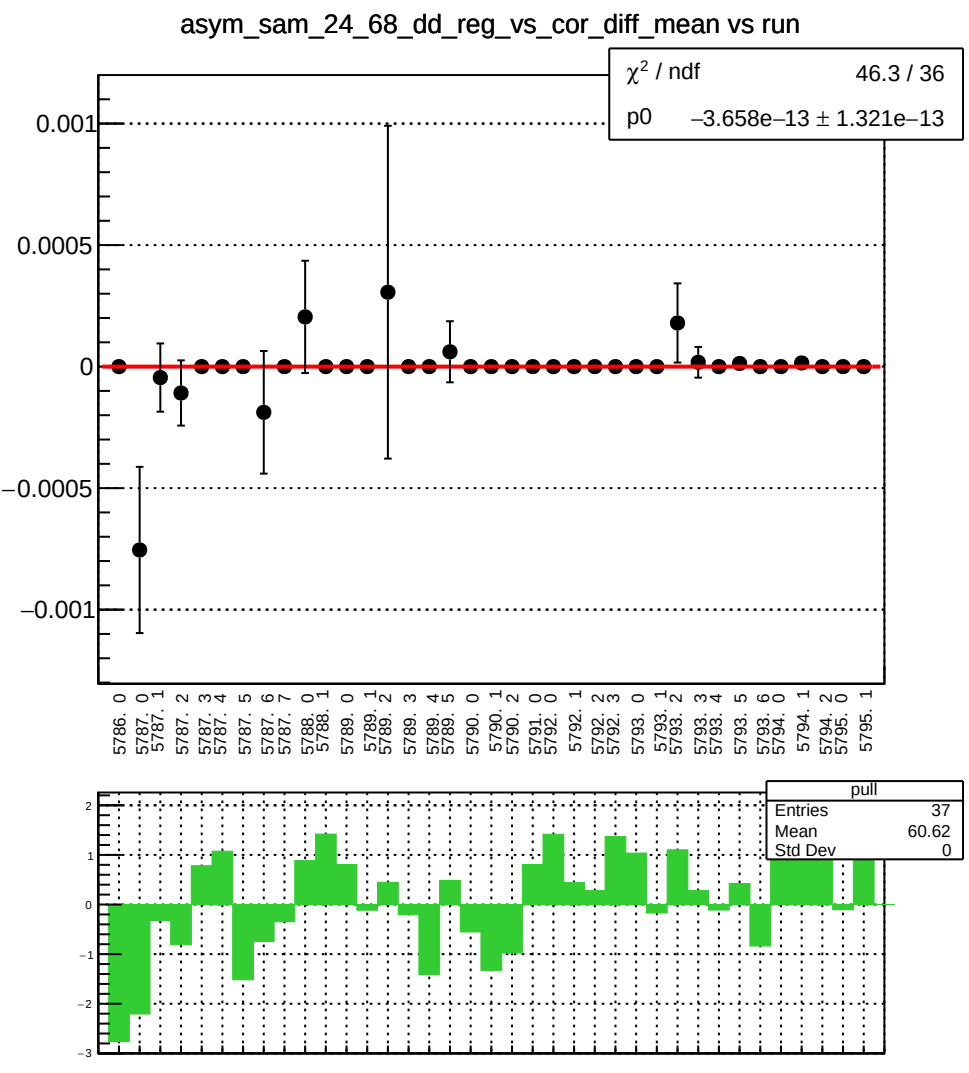

pull1D
Entries 37
Mean 0.006767
Std Dev 1.055
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

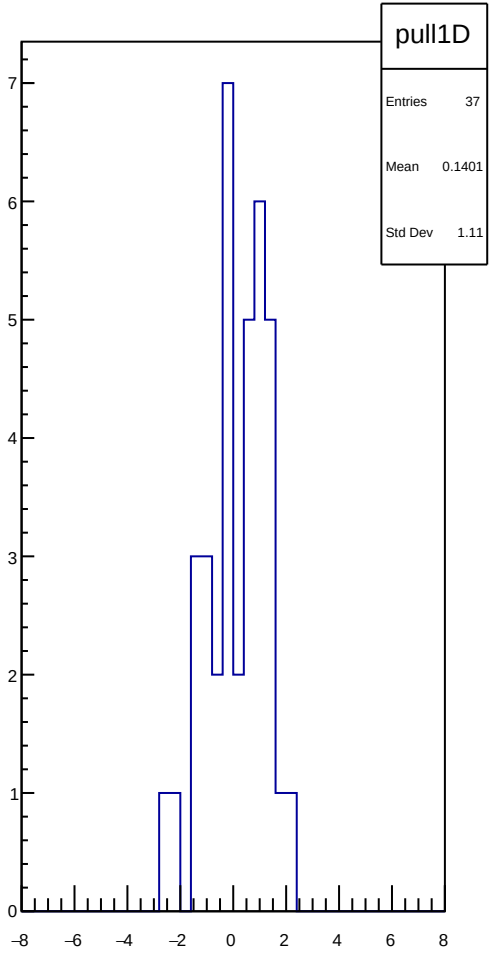

asym_sam_24_68_dd_eigen_dit_correction_rms vs run
χ² / ndf 5111 / 36
p0 1611 ± 1.863
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

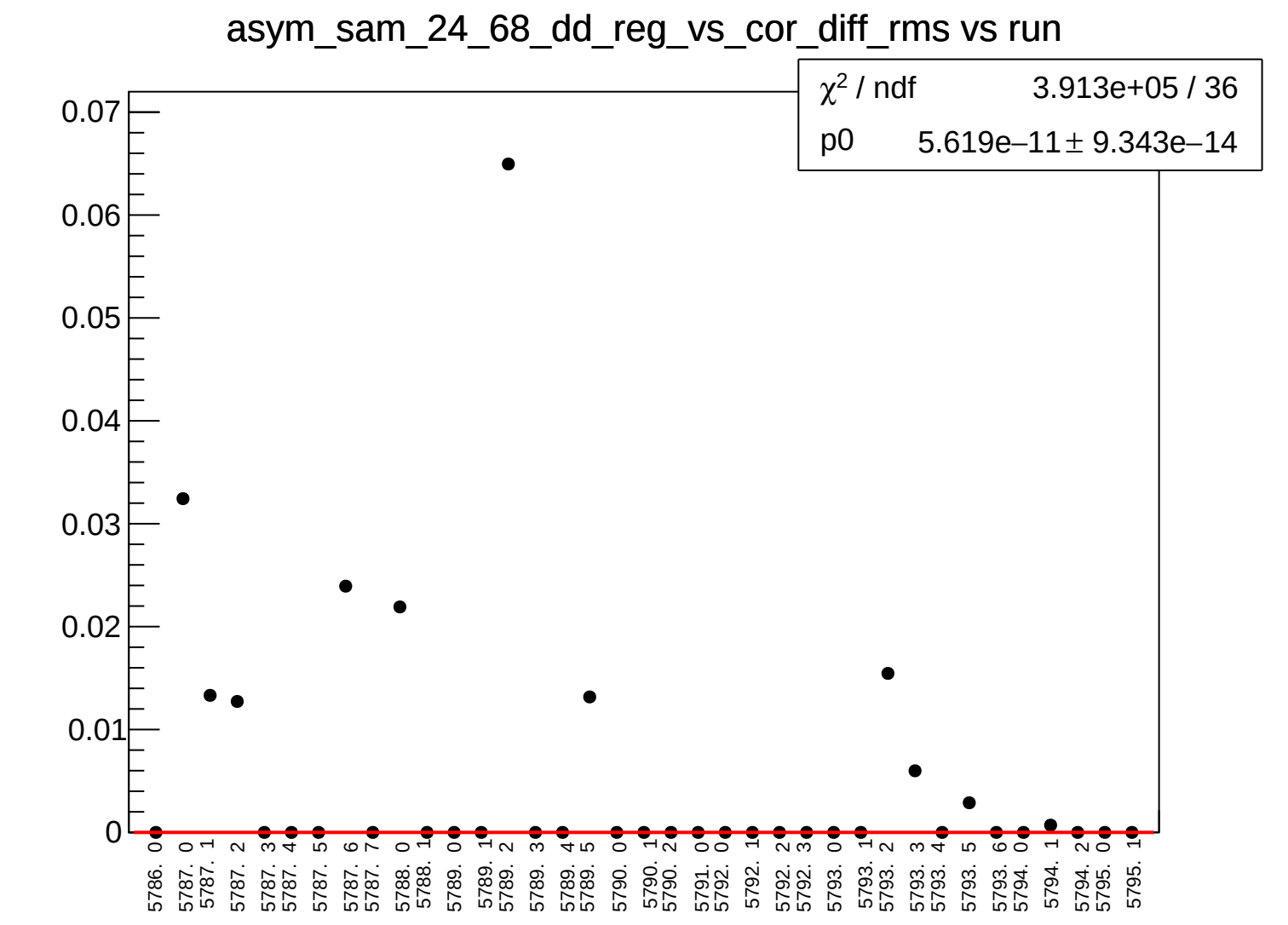

asym_sam_24_68_dd_mean vs run
χ² / ndf 39.88 / 36
p0 −3803 ± 2564
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −79.77
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

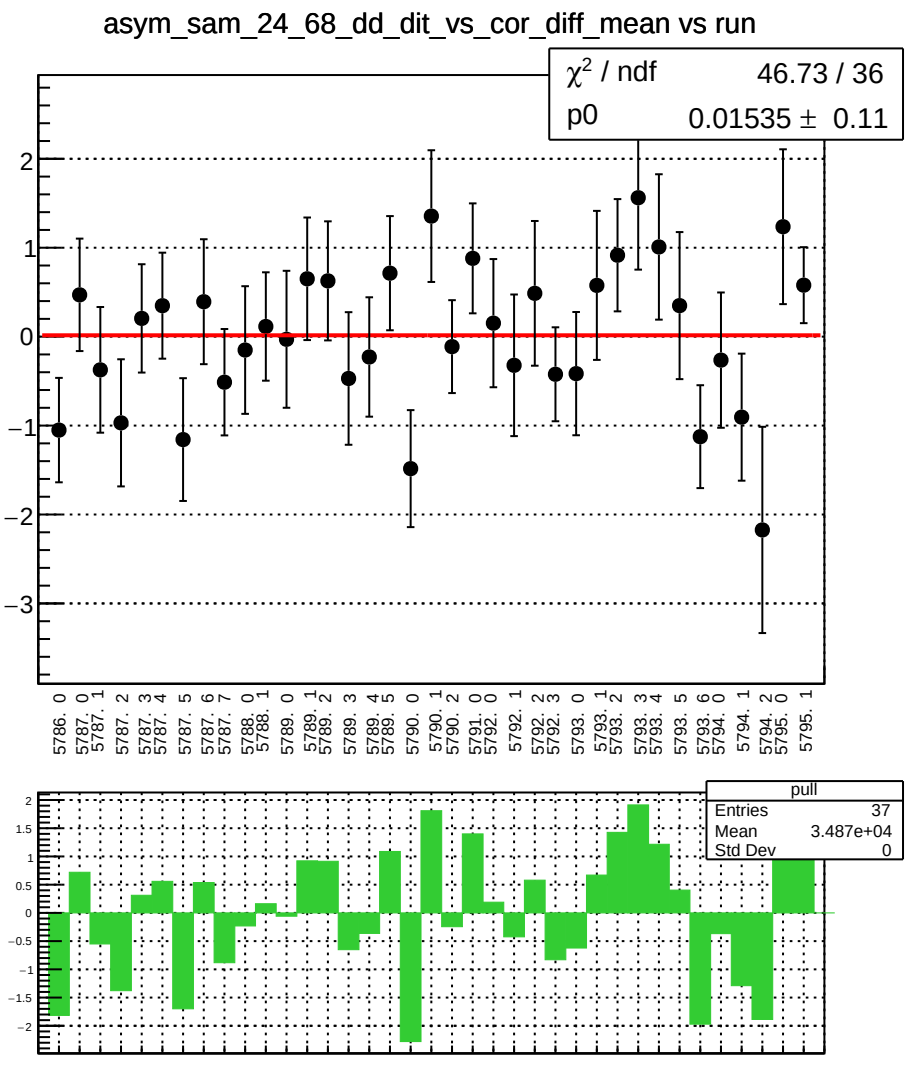

pull1D
Entries 37
Mean −0.008274
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

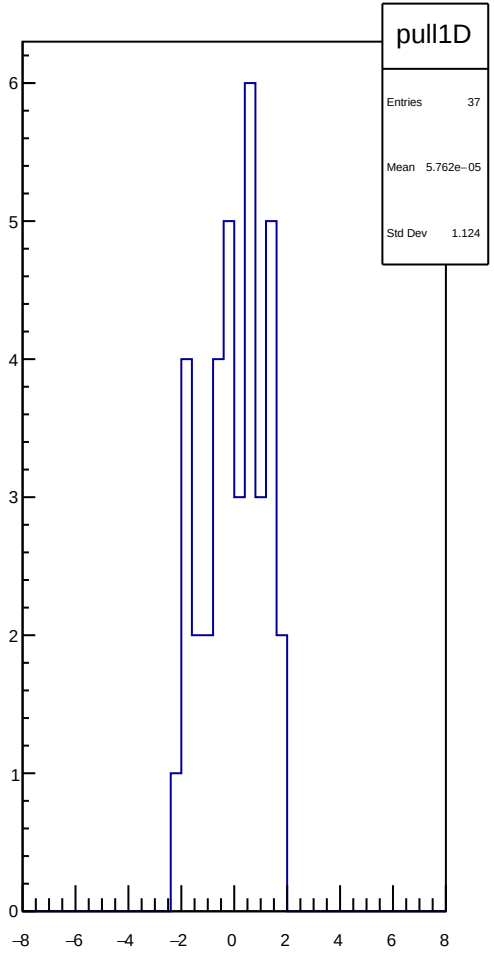

asym_sam_24_68_dd_rms vs run
χ² / ndf 4911 / 36
p0 1568 ± 1.813
1900
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

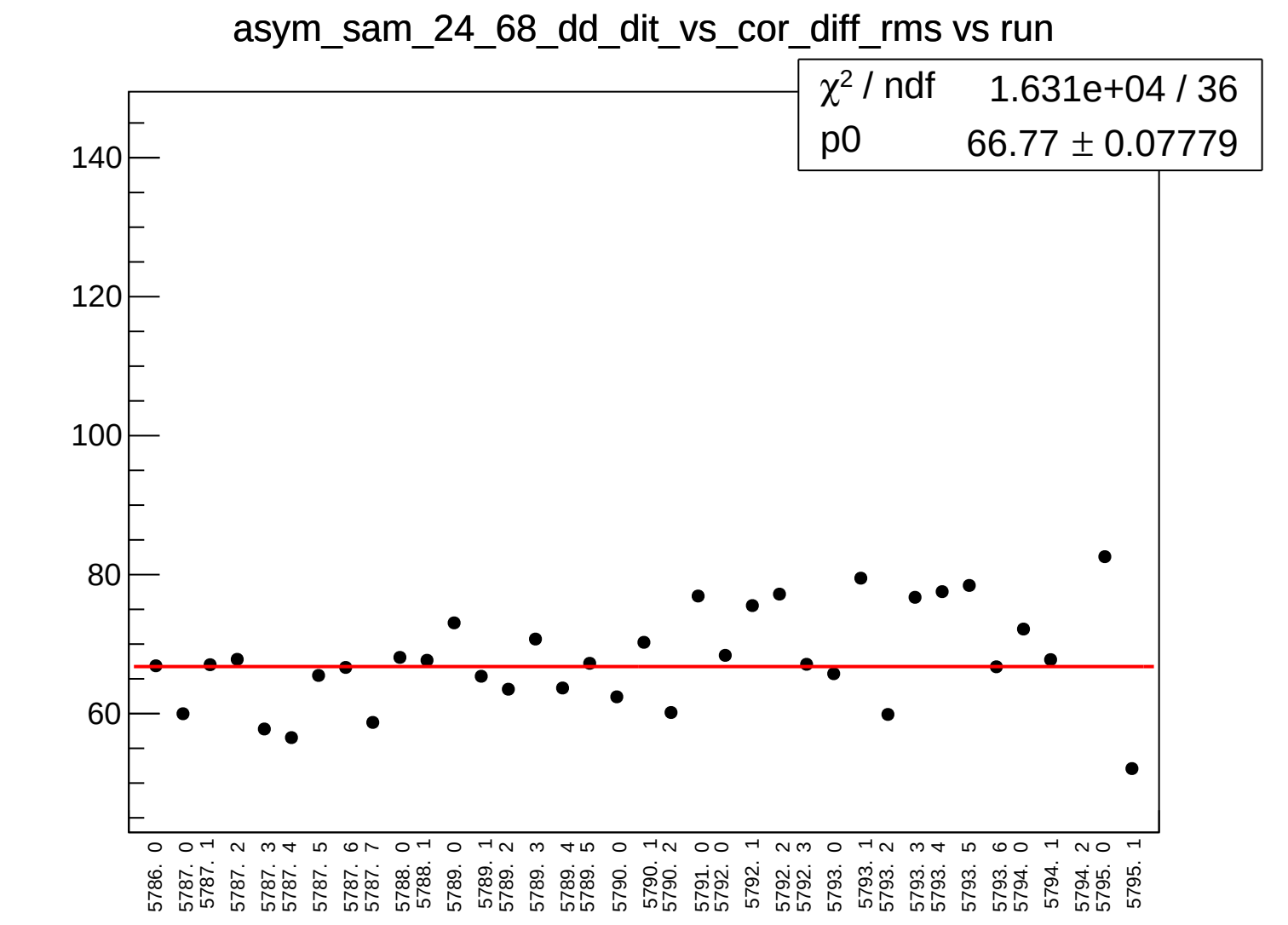

asym_sam_24_68_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 46.3 / 36
p0 −3.658e−13 ± 1.321e−13
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 60.62
Std Dev 0
2
1
0
−1
−2
−3

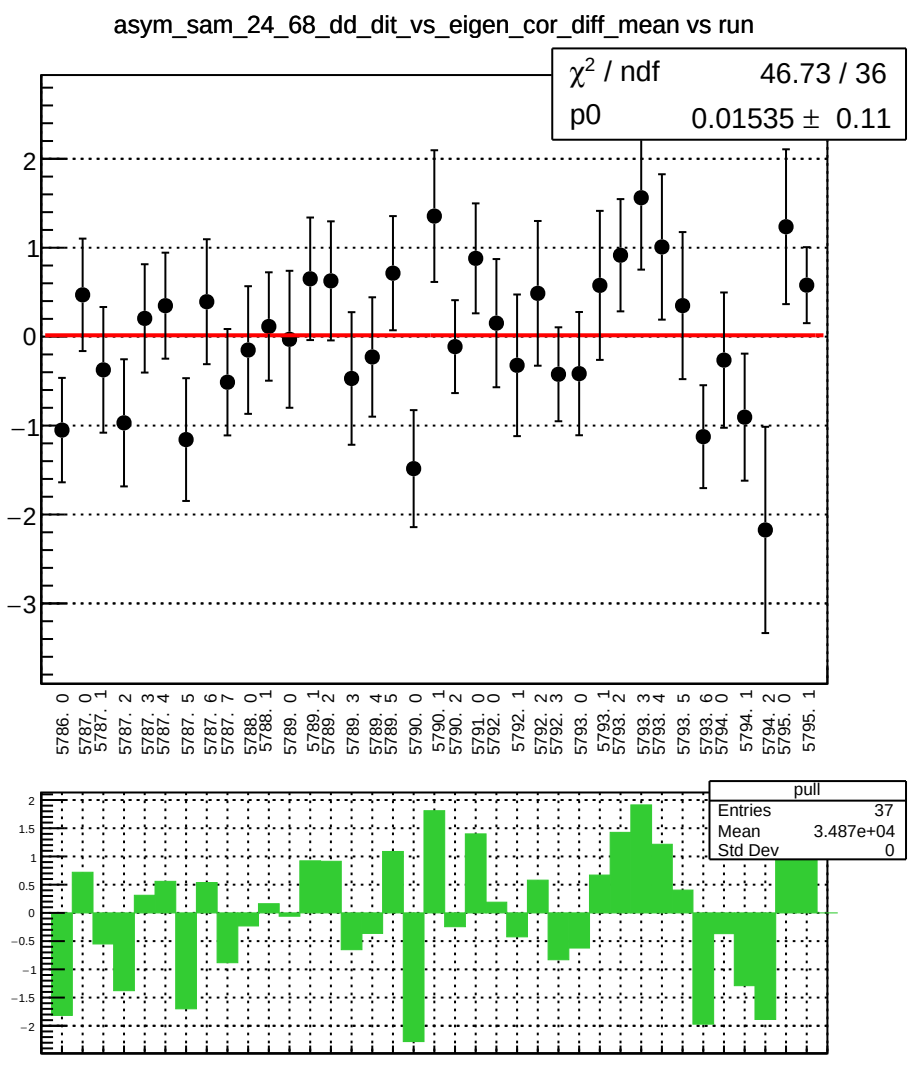

pull1D
Entries 37
Mean 0.1401
Std Dev 1.11
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

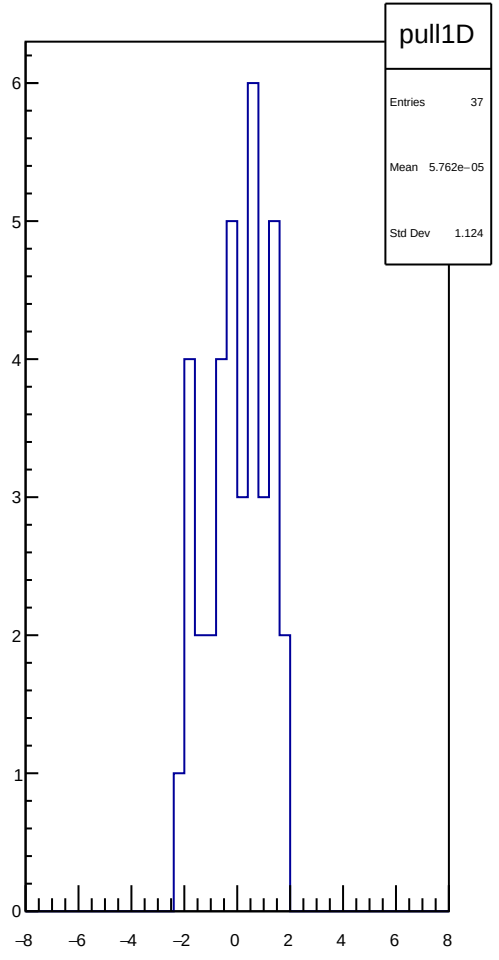

asym_sam_24_68_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.913e+05 / 36
p0 5.619e−11 ± 9.343e−14
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

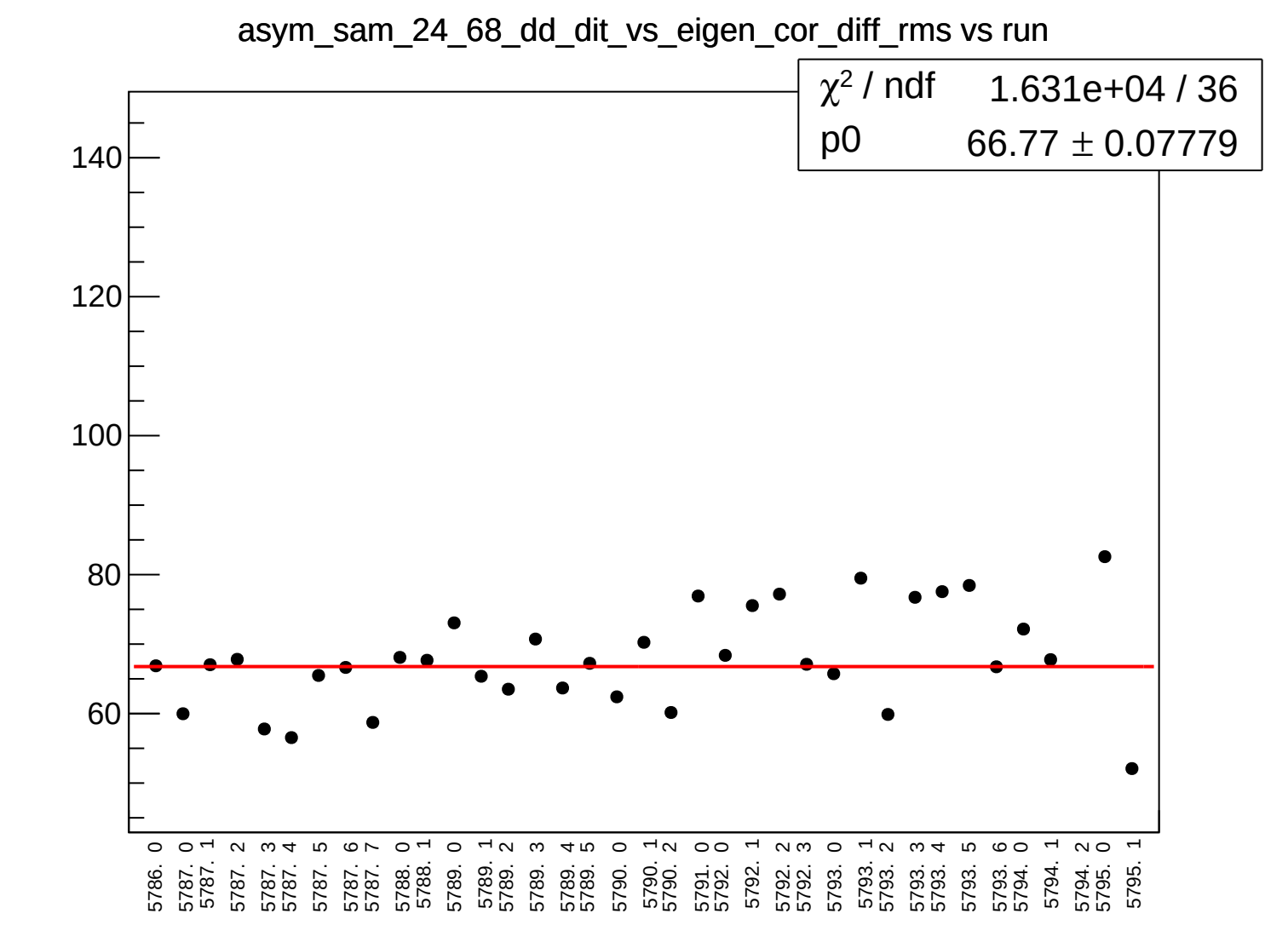

asym_sam_24_68_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.73 / 36
p0 0.01535 ± 0.11
pull
Entries 37
Mean 3.487e+04
Std Dev 0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

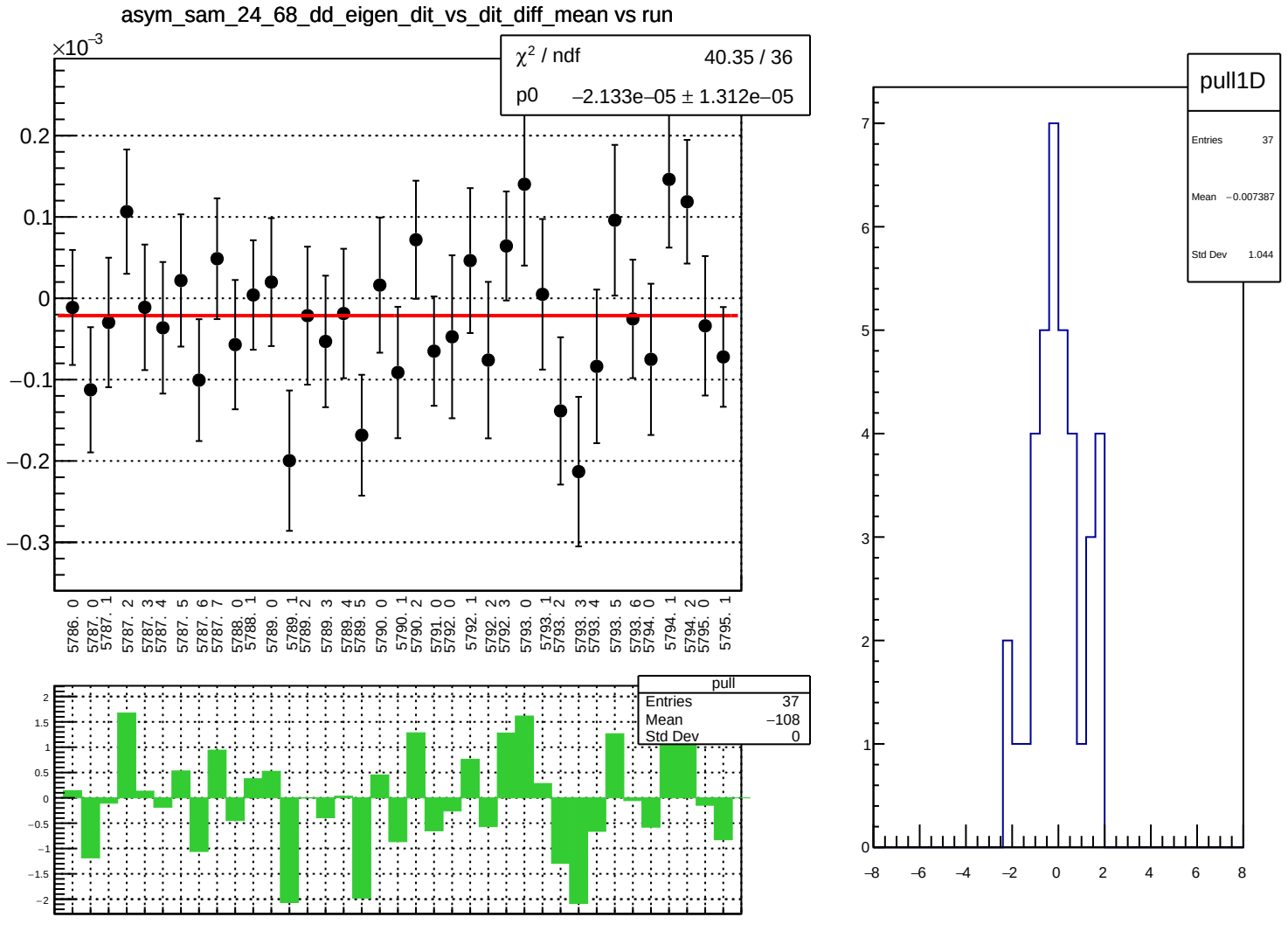

pull1D
Entries 37
Mean 5.762e−05
Std Dev 1.124

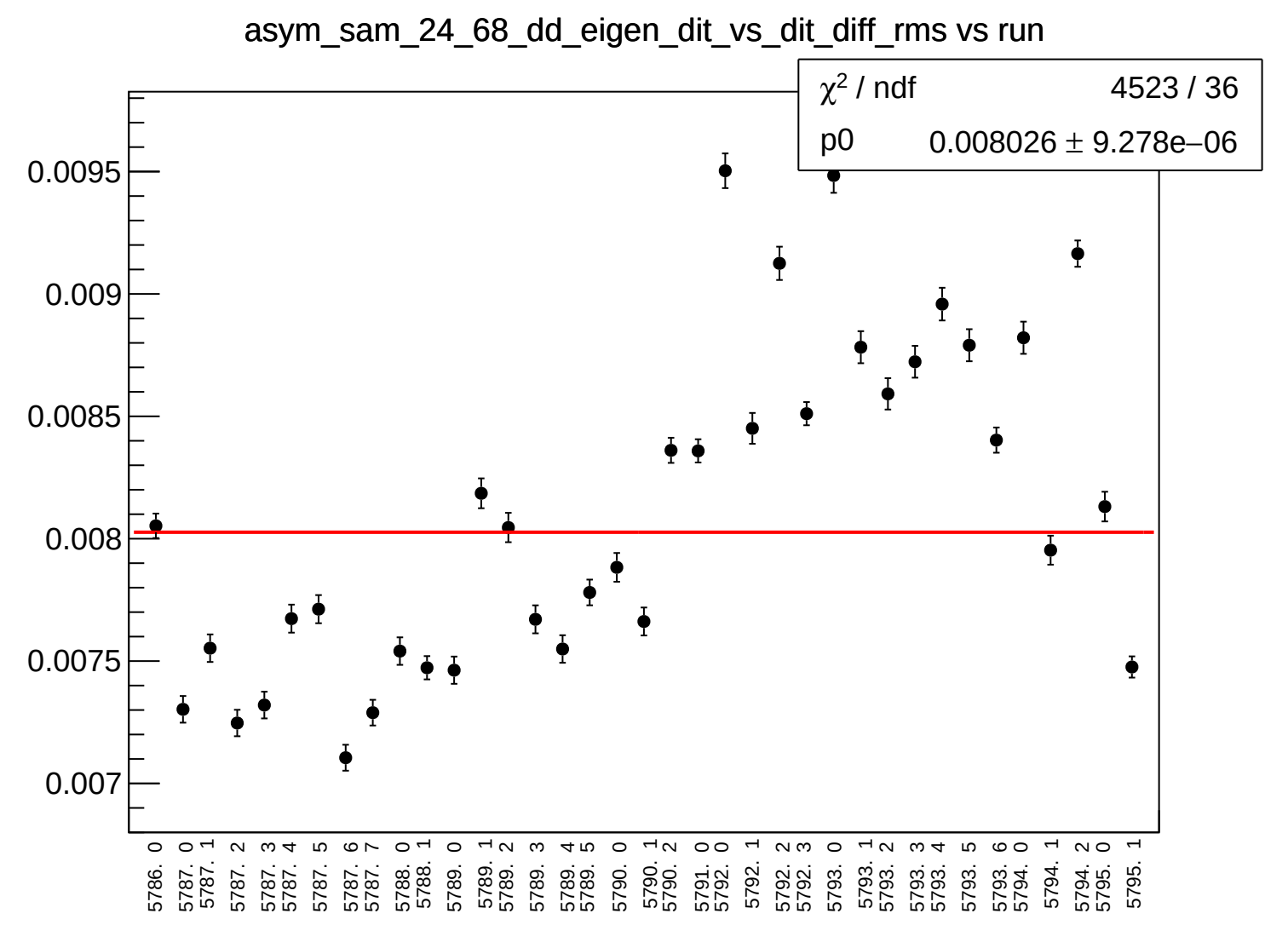

asym_sam_24_68_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 1.631e+04 / 36
p0 66.77 ± 0.07779
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

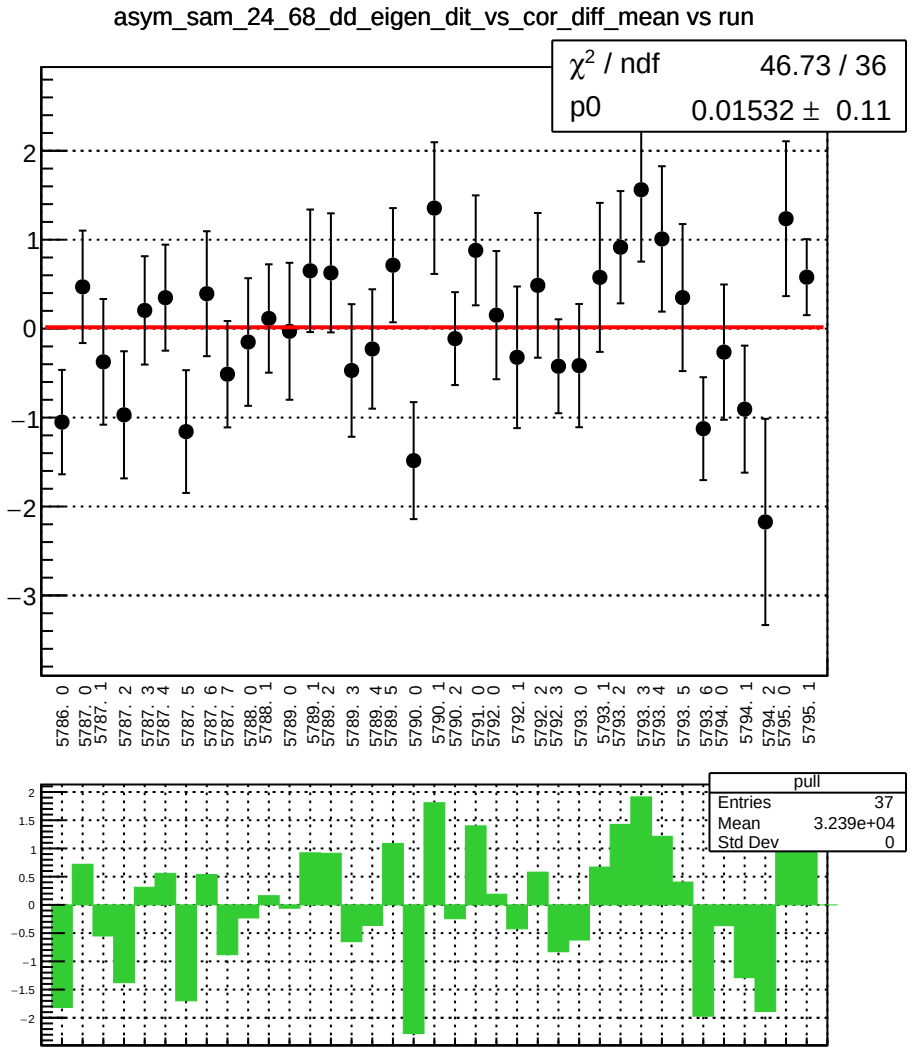

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.73 / 36
p0 0.01535 ± 0.11
2
1
0
−1
−2
−3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3.487e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

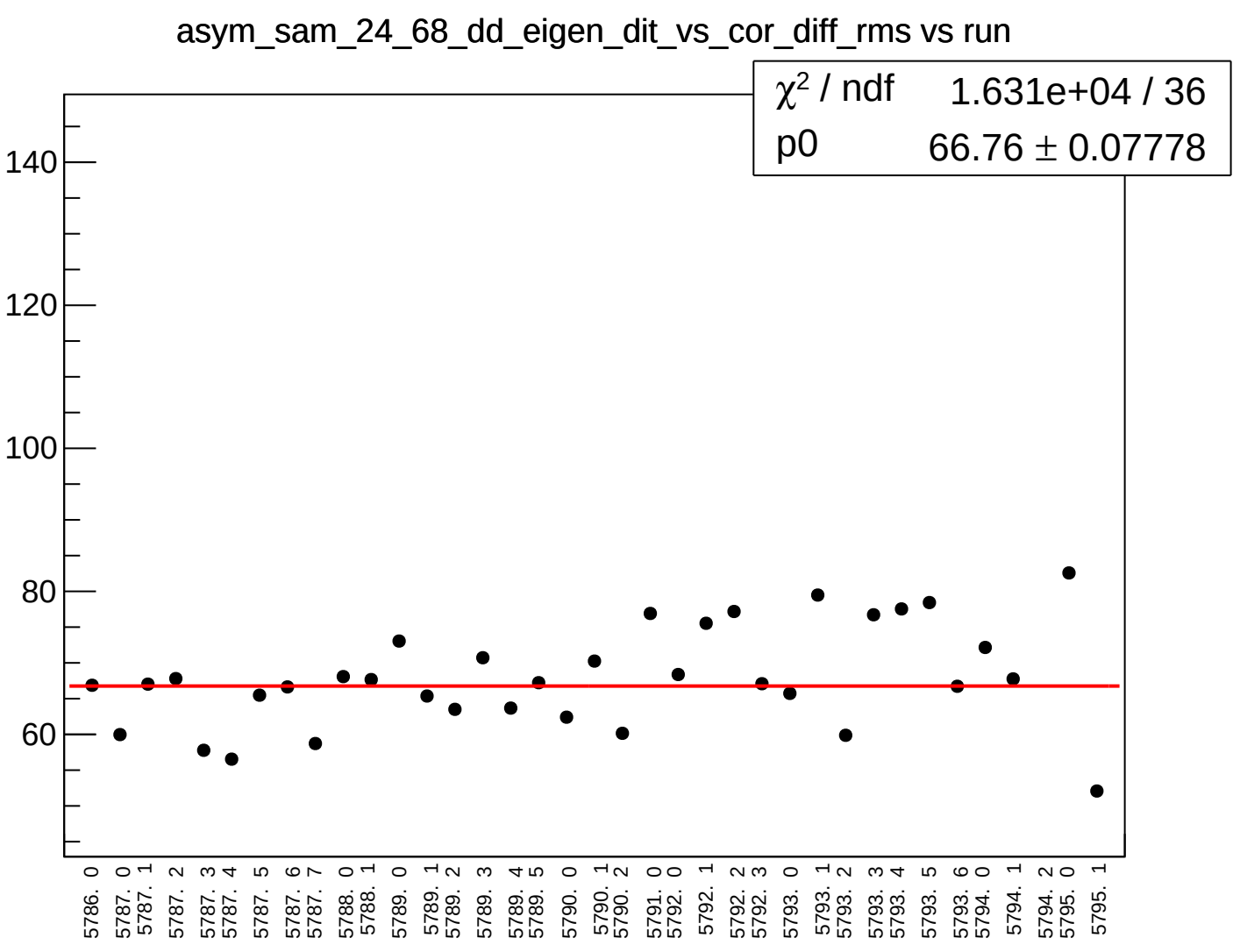

pull1D
Entries 37
Mean 5.762e−05
Std Dev 1.124
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

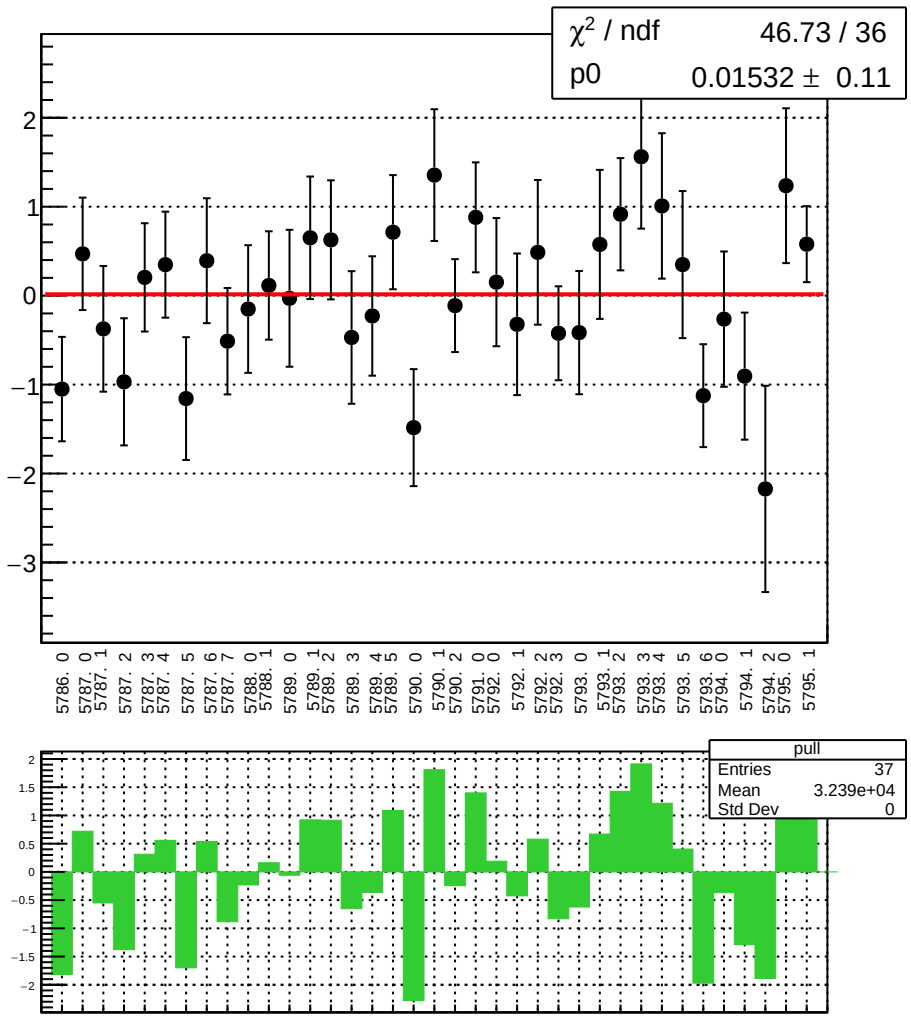

asym_sam_24_68_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.631e+04 / 36
p0 66.77 ± 0.07779
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

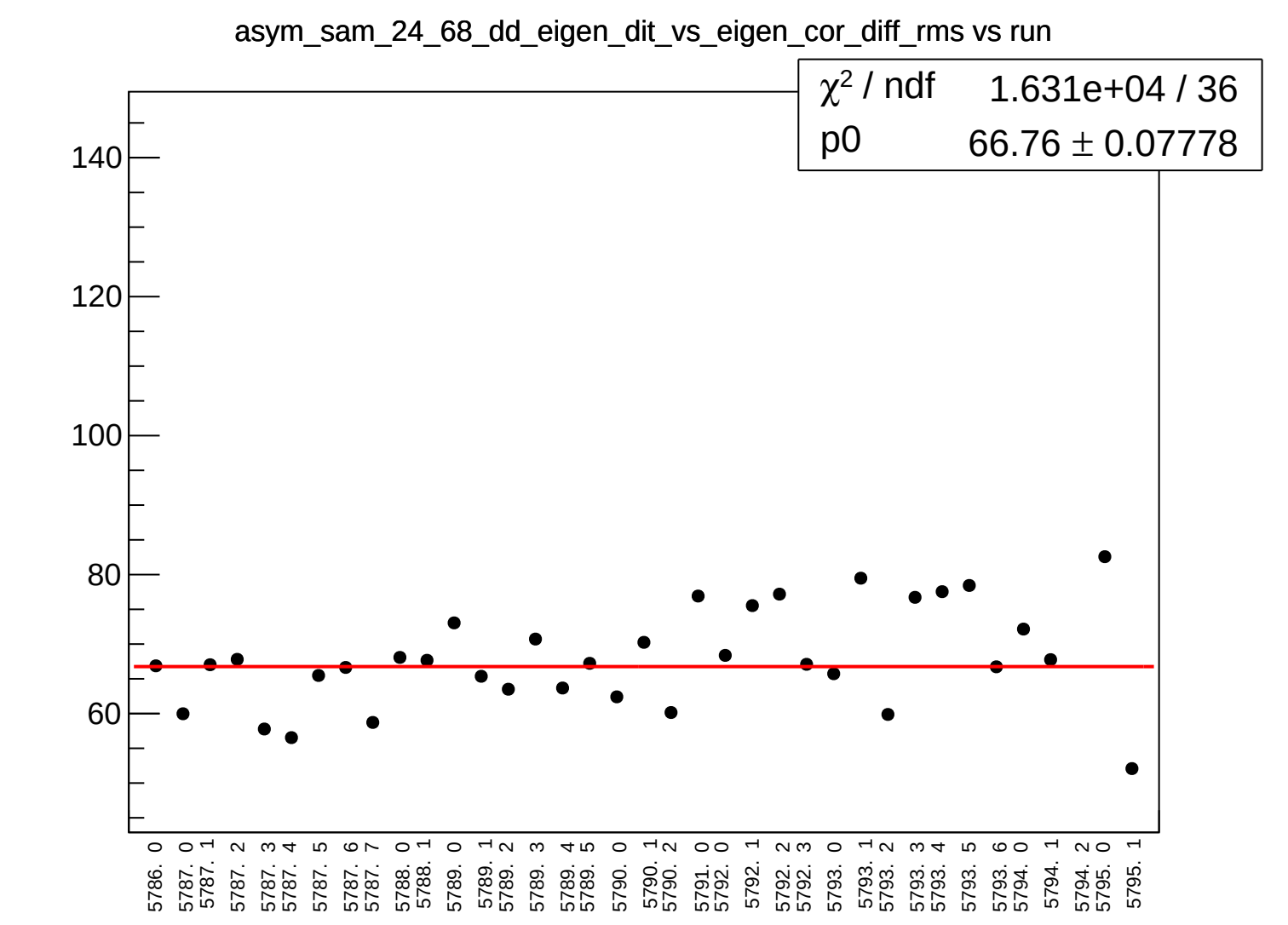

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.35 / 36
p0 −2.133e−05 ± 1.312e−05
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −108
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.007387
Std Dev 1.044
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

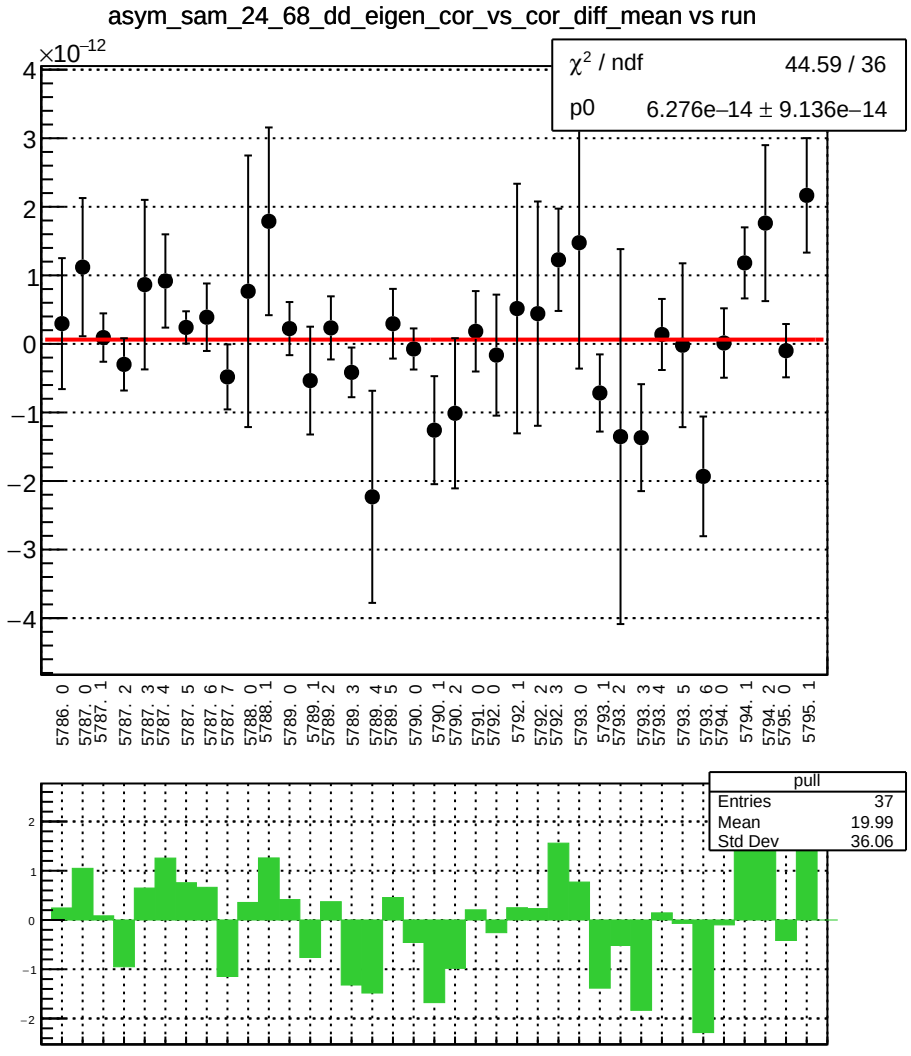

asym_sam_24_68_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4523 / 36
p0 0.008026 ± 9.278e−06
0.0095
0.009
0.0085
0.008
0.0075
0.007
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

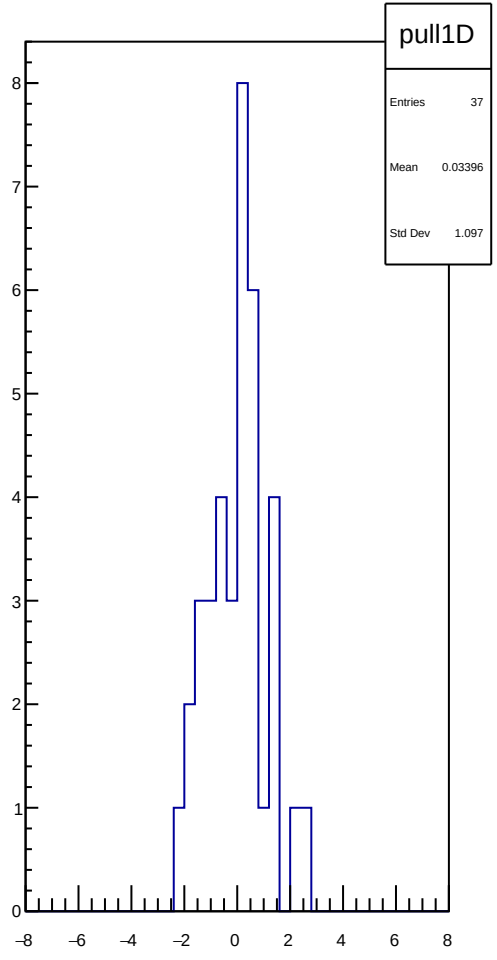

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.73 / 36
p0 0.01532 ± 0.11
pull
Entries 37
Mean 3.239e+04
Std Dev 0
pull1D
Entries 37
Mean 6.203e−05
Std Dev 1.124

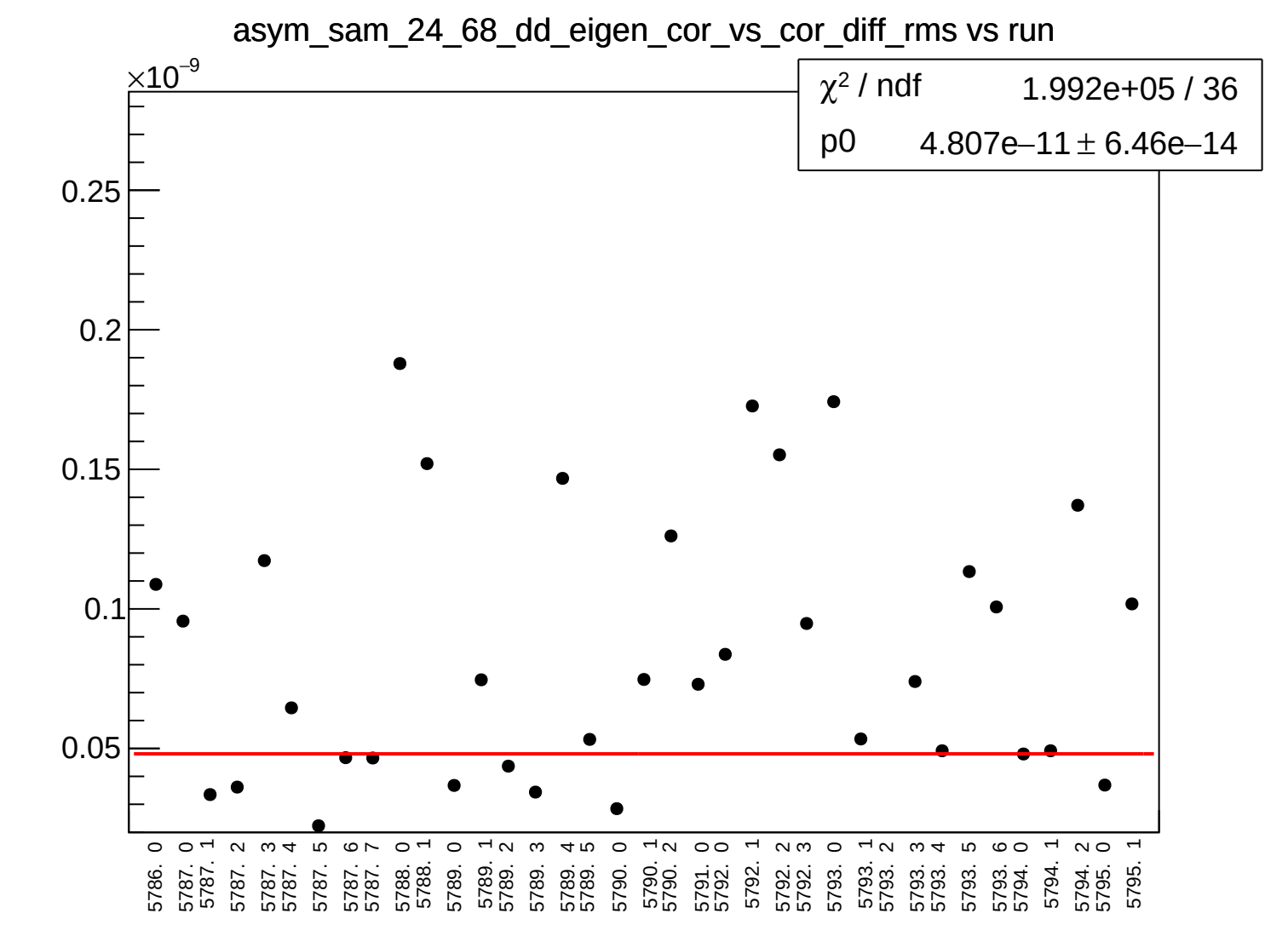

asym_sam_24_68_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 1.631e+04 / 36
p0 66.76 ± 0.07778
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

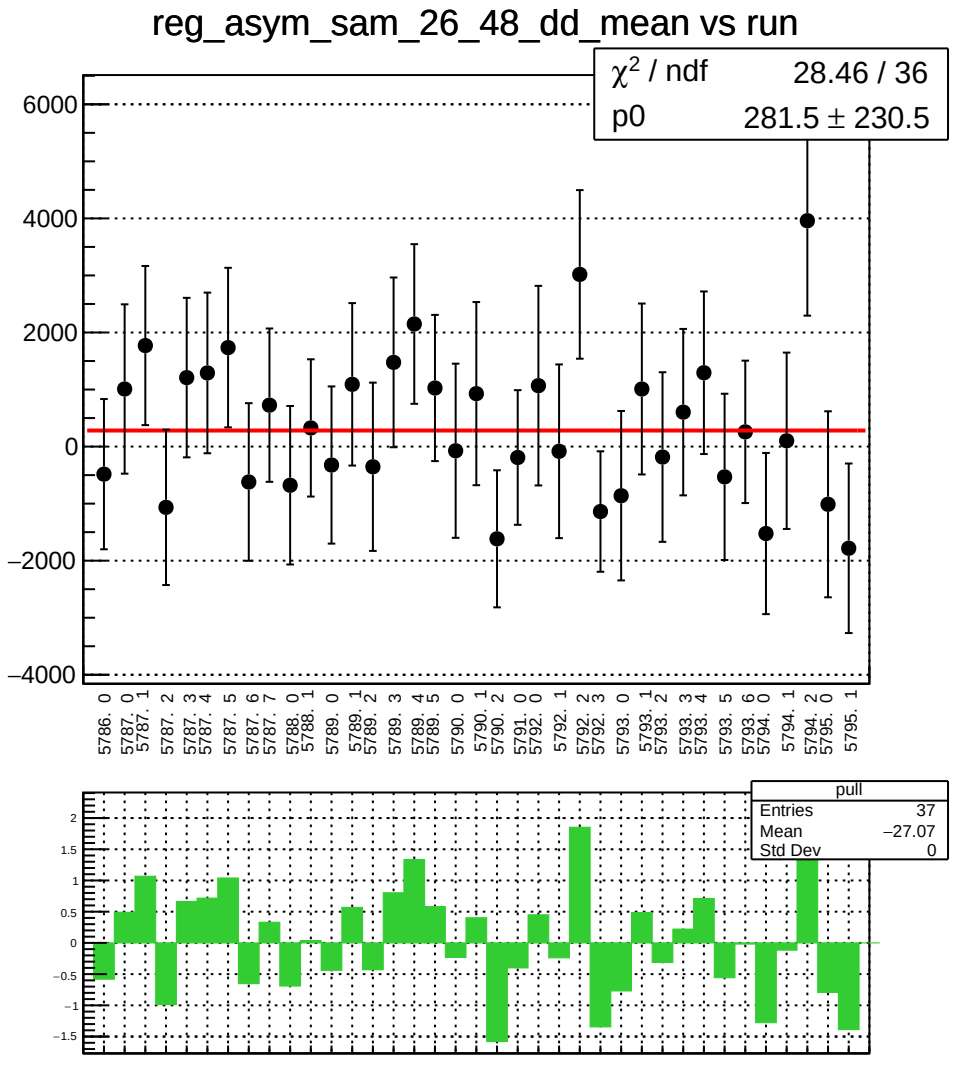

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.73 / 36
p0 0.01532 ± 0.11
pull
Entries 37
Mean 3.239e+04
Std Dev 0
pull1D
Entries 37
Mean 6.203e−05
Std Dev 1.124

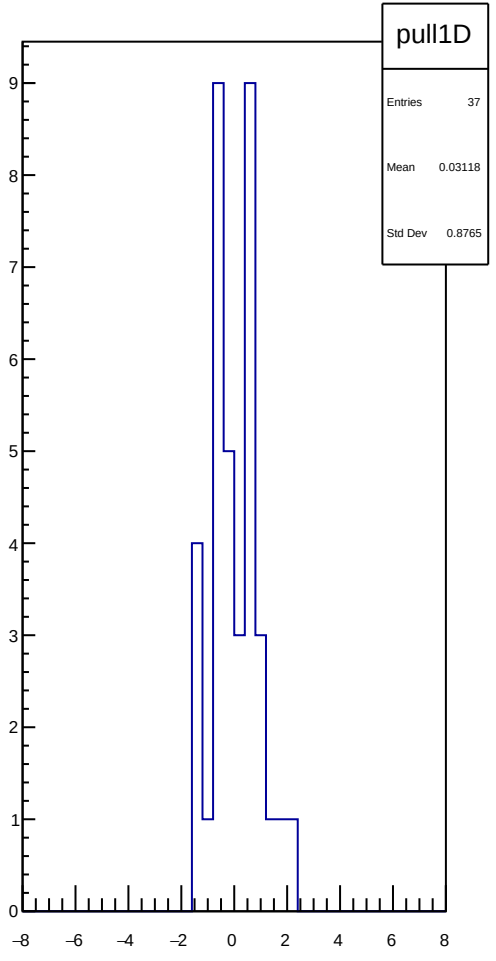

asym_sam_24_68_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 1.631e+04 / 36
p0 66.76 ± 0.07778
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

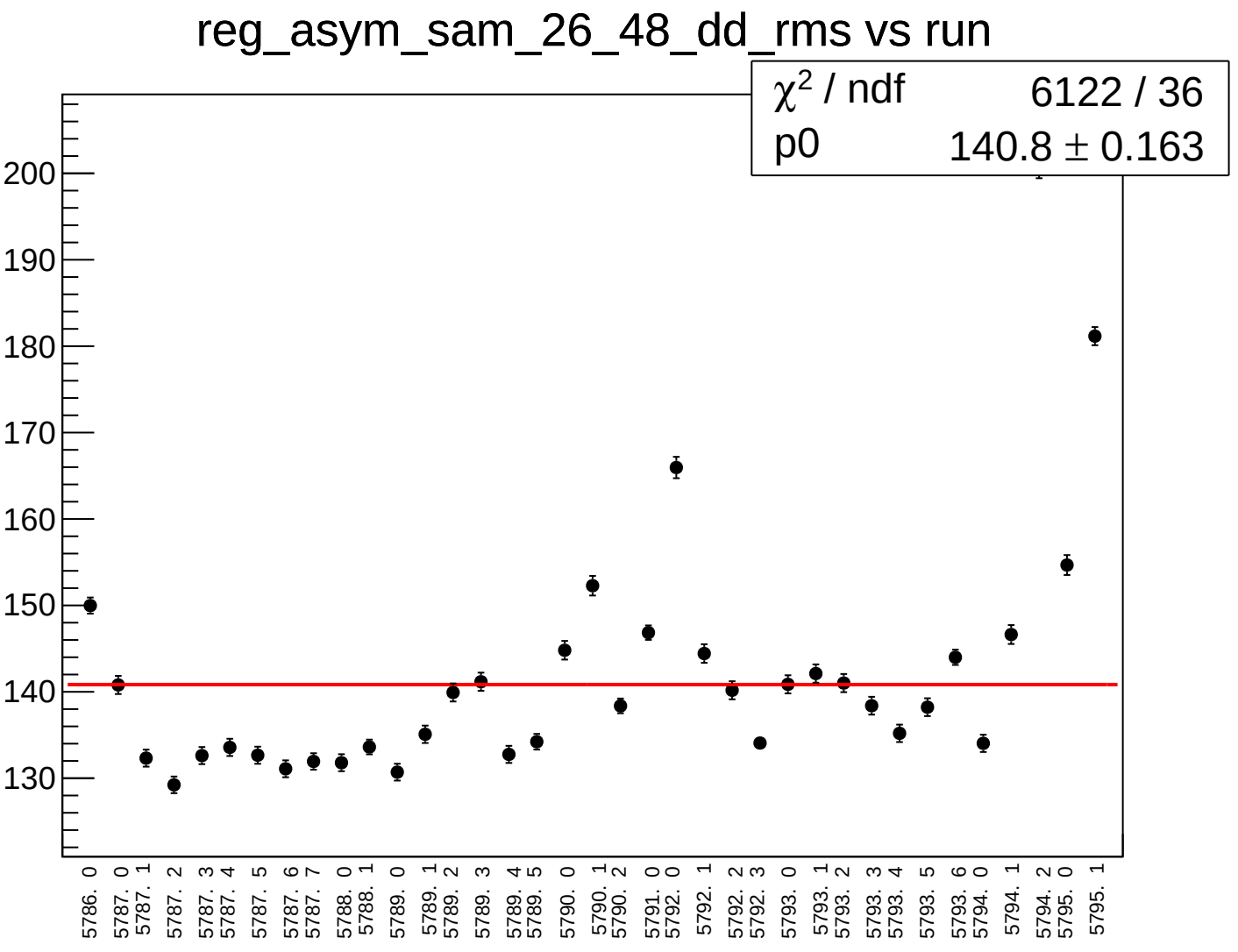

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 44.59 / 36
p0 6.276e−14 ± 9.136e−14
pull
Entries 37
Mean 19.99
Std Dev 36.06

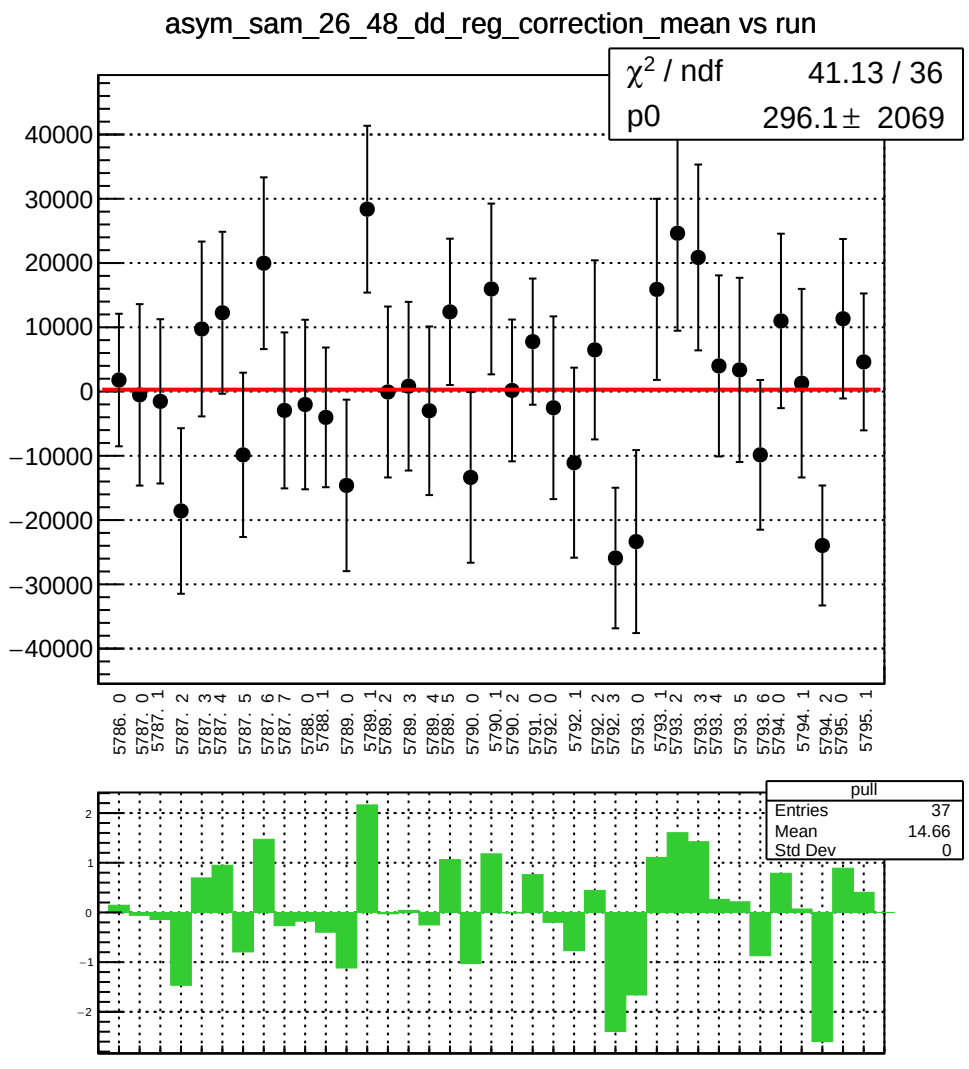

pull1D
Entries 37
Mean 0.03396
Std Dev 1.097

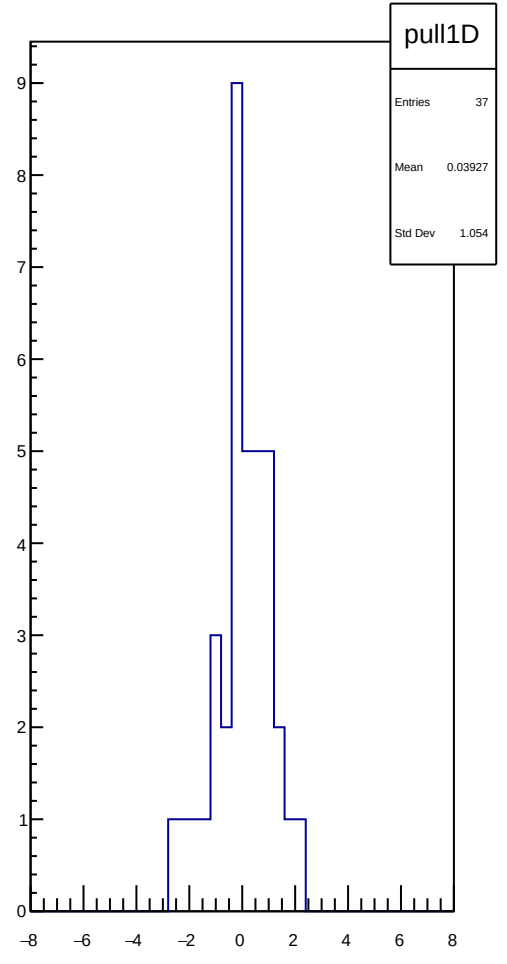

asym_sam_24_68_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.992e+05 / 36
p0 4.807e−11 ± 6.46e−14
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

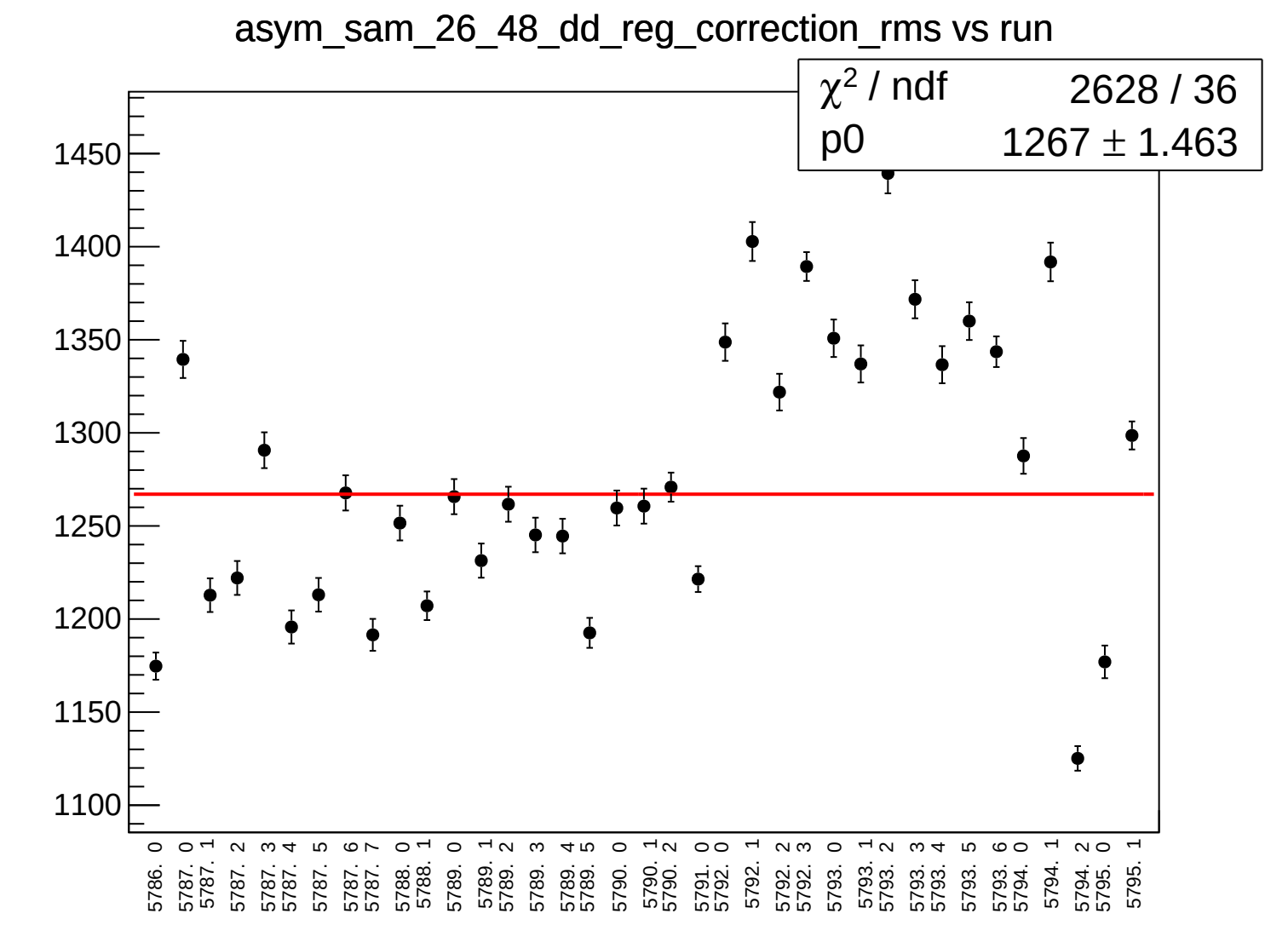

reg_asym_sam_26_48_dd_mean vs run
χ² / ndf 28.46 / 36
p0 281.5 ± 230.5
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −27.07
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

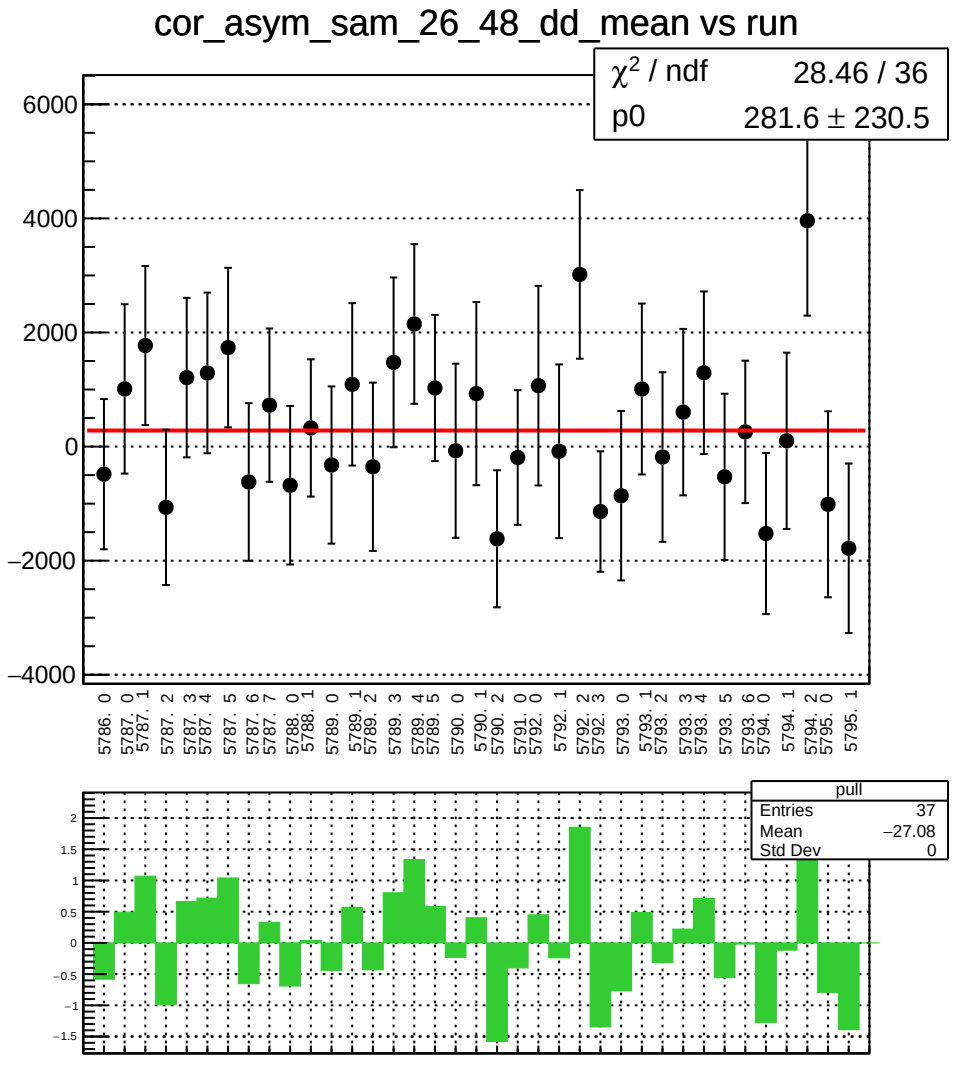

pull1D
Entries 37
Mean 0.03118
Std Dev 0.8765
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

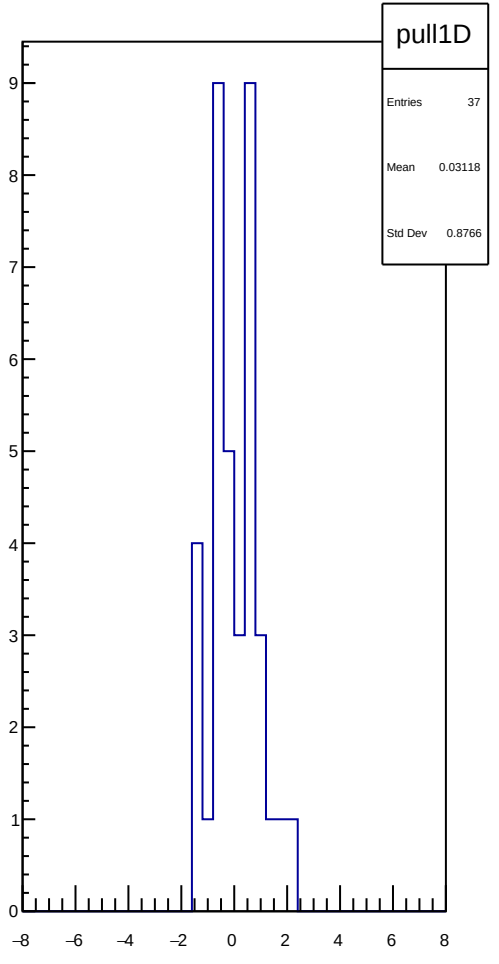

reg_asym_sam_26_48_dd_rms vs run
χ² / ndf 6122 / 36
p0 140.8 ± 0.163
200
190
180
170
160
150
140
130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

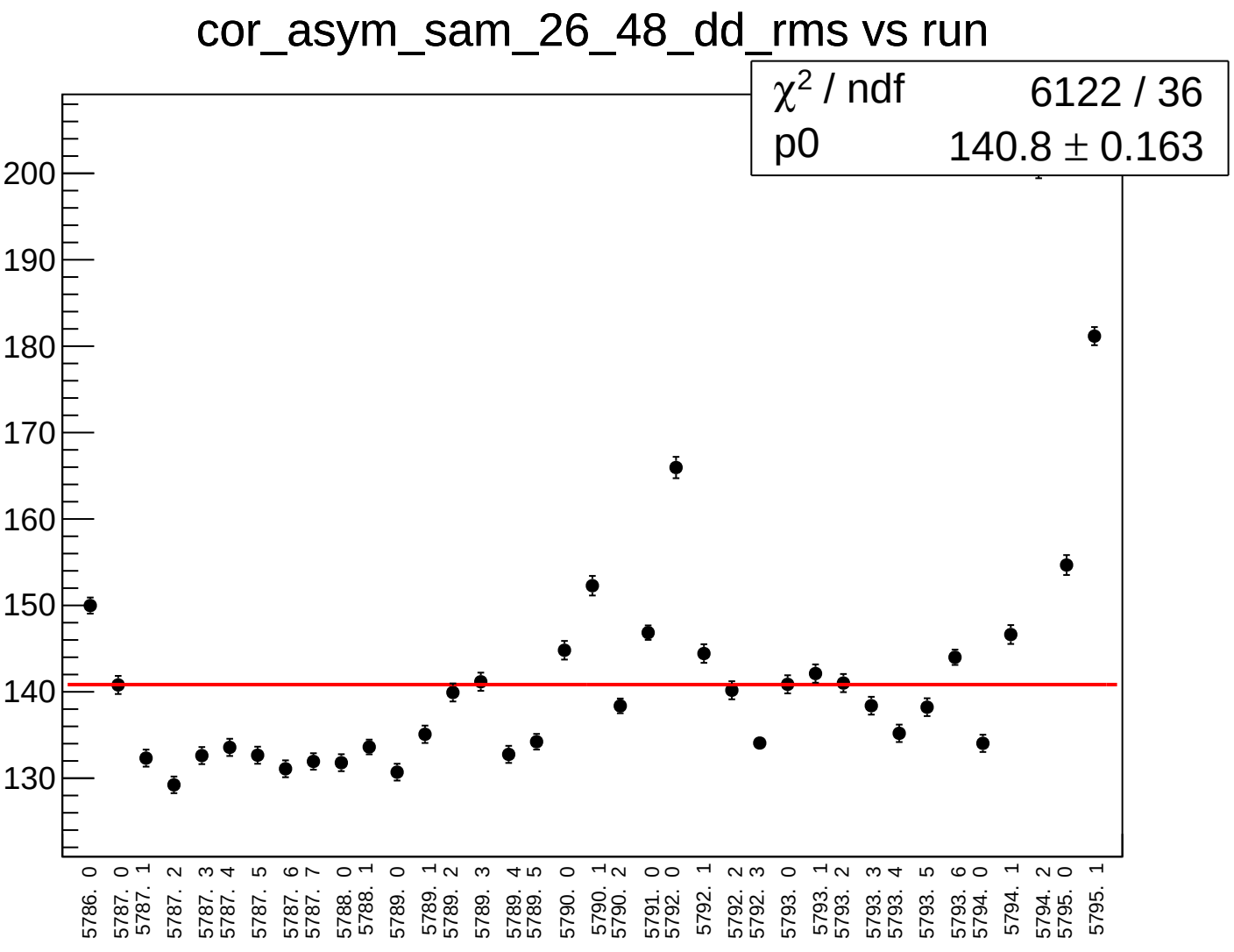

asym_sam_26_48_dd_reg_correction_mean vs run
χ² / ndf 41.13 / 36
p0 296.1 ± 2069
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.66
Std Dev 0
2
1
0
−1
−2

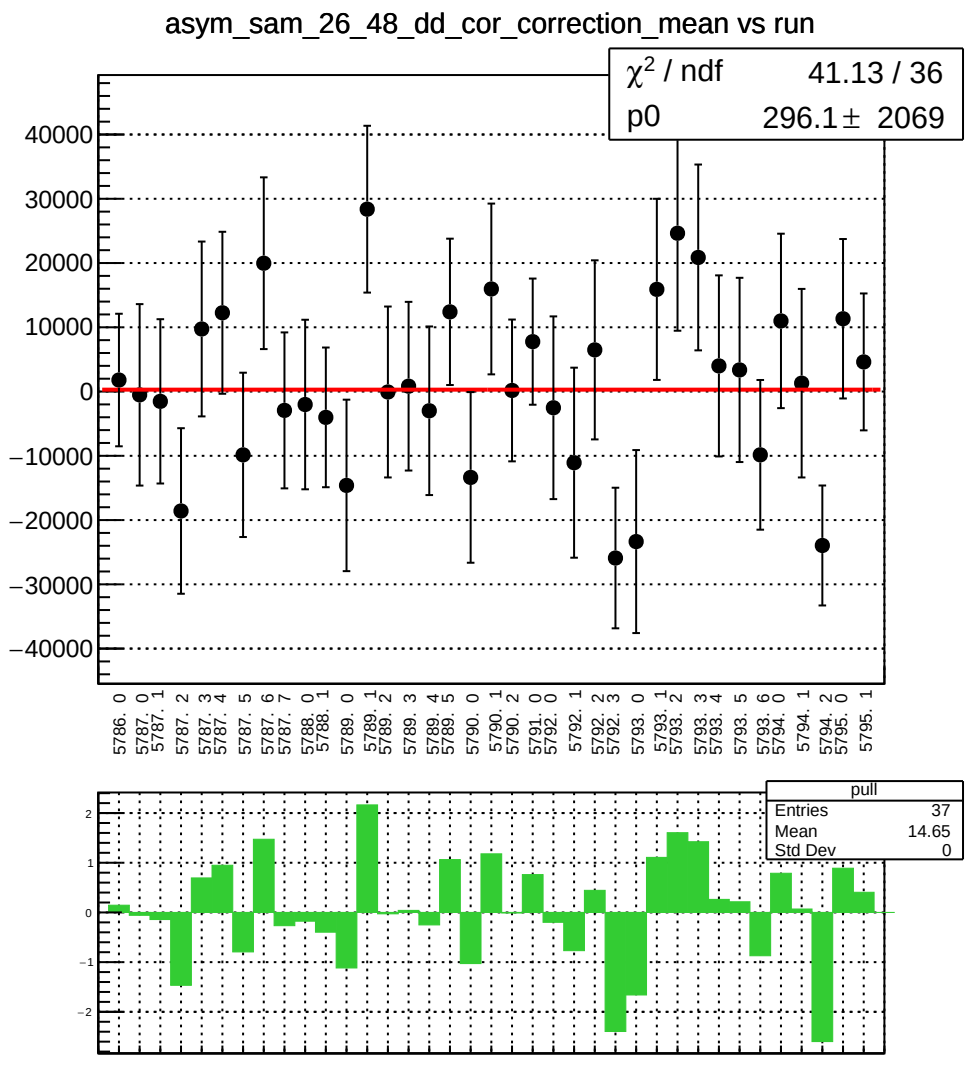

pull1D
Entries 37
Mean 0.03927
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

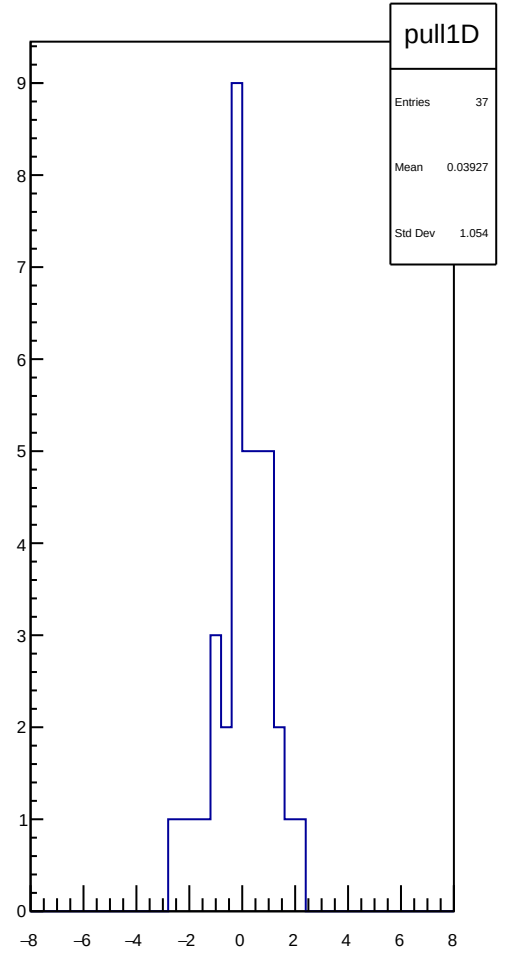

asym_sam_26_48_dd_reg_correction_rms vs run
χ² / ndf 2628 / 36
p0 1267 ± 1.463
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

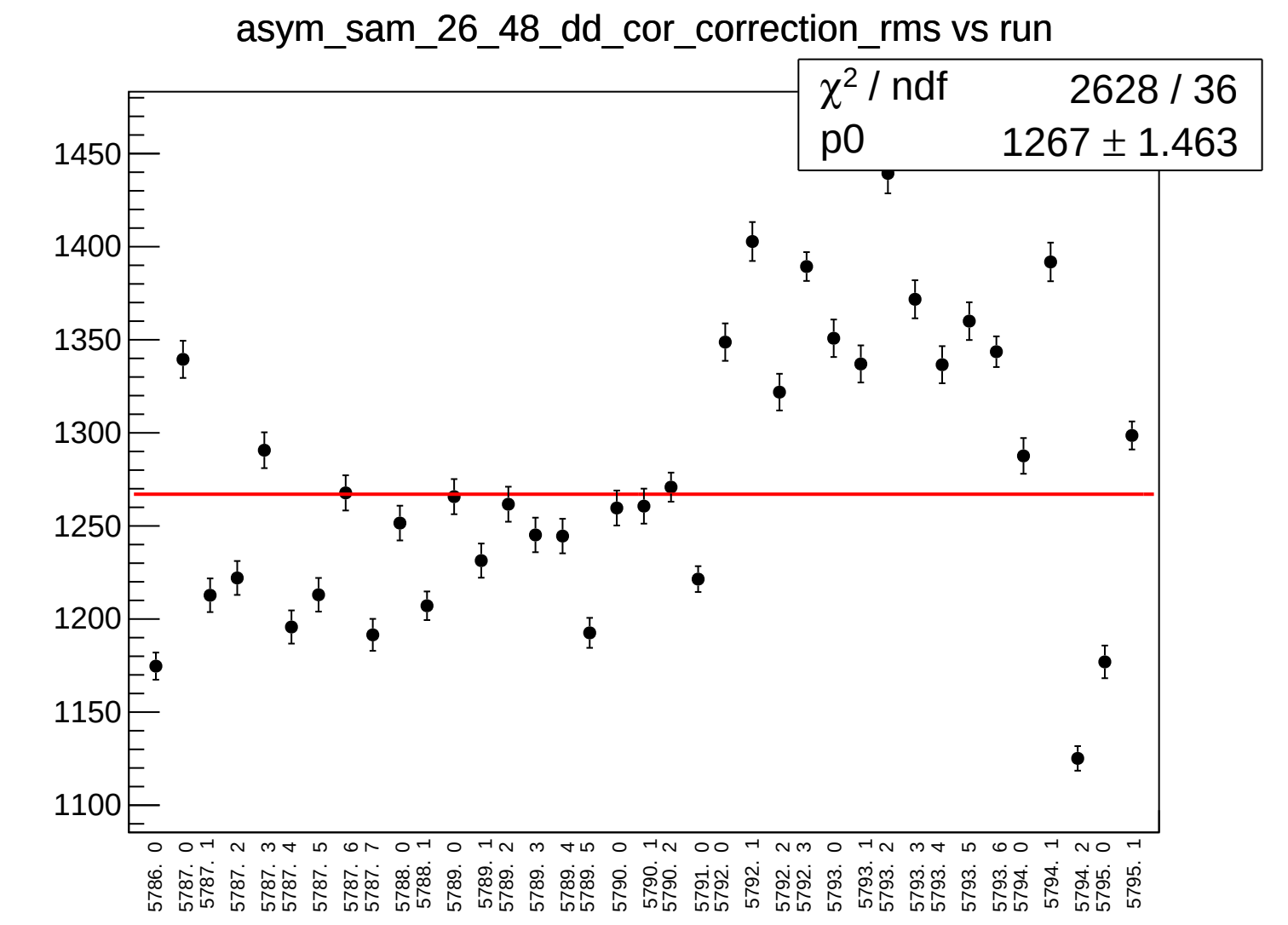

cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 28.46 / 36
p0 281.6 ± 230.5
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −27.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

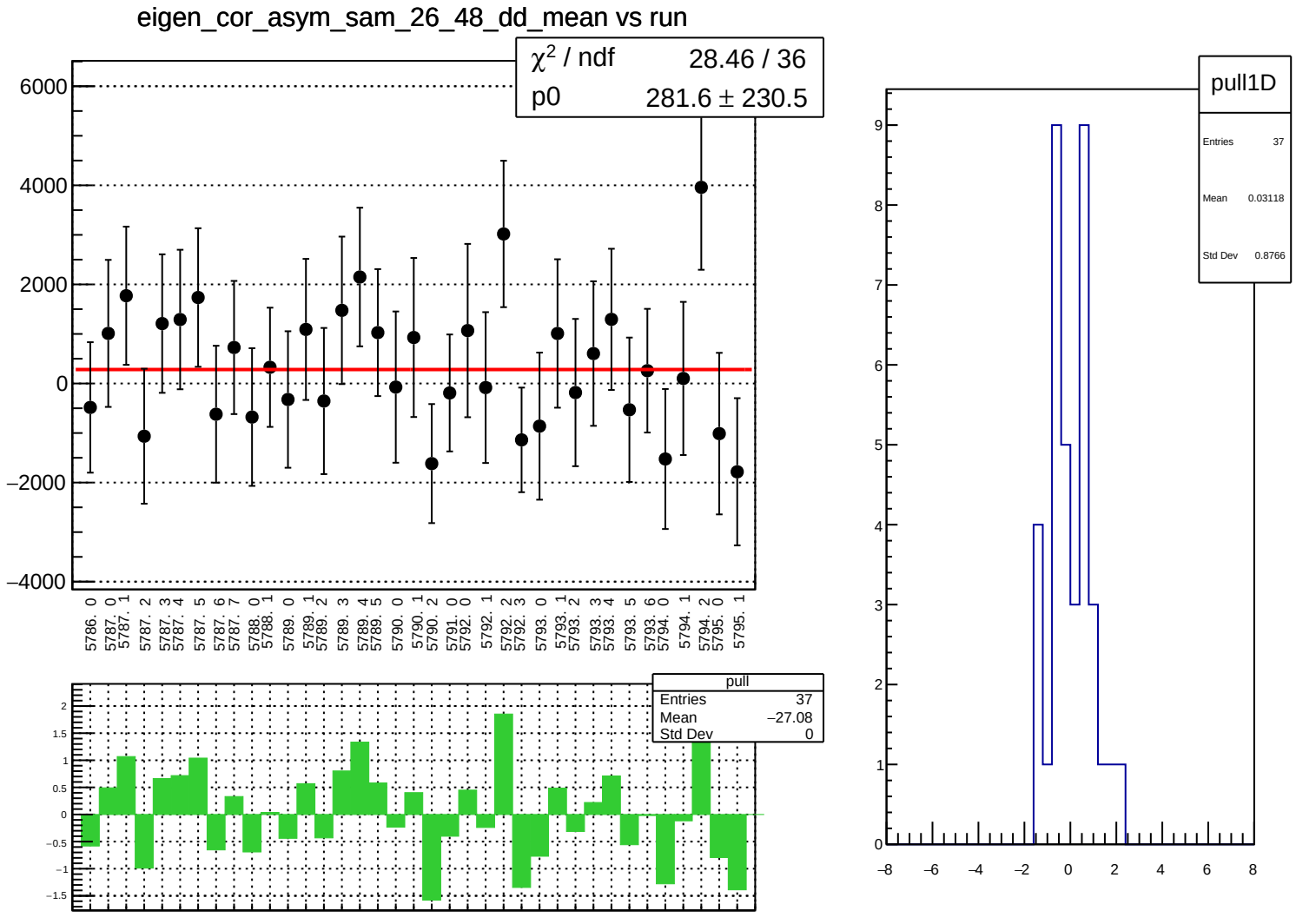

pull1D
Entries 37
Mean 0.03118
Std Dev 0.8766
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

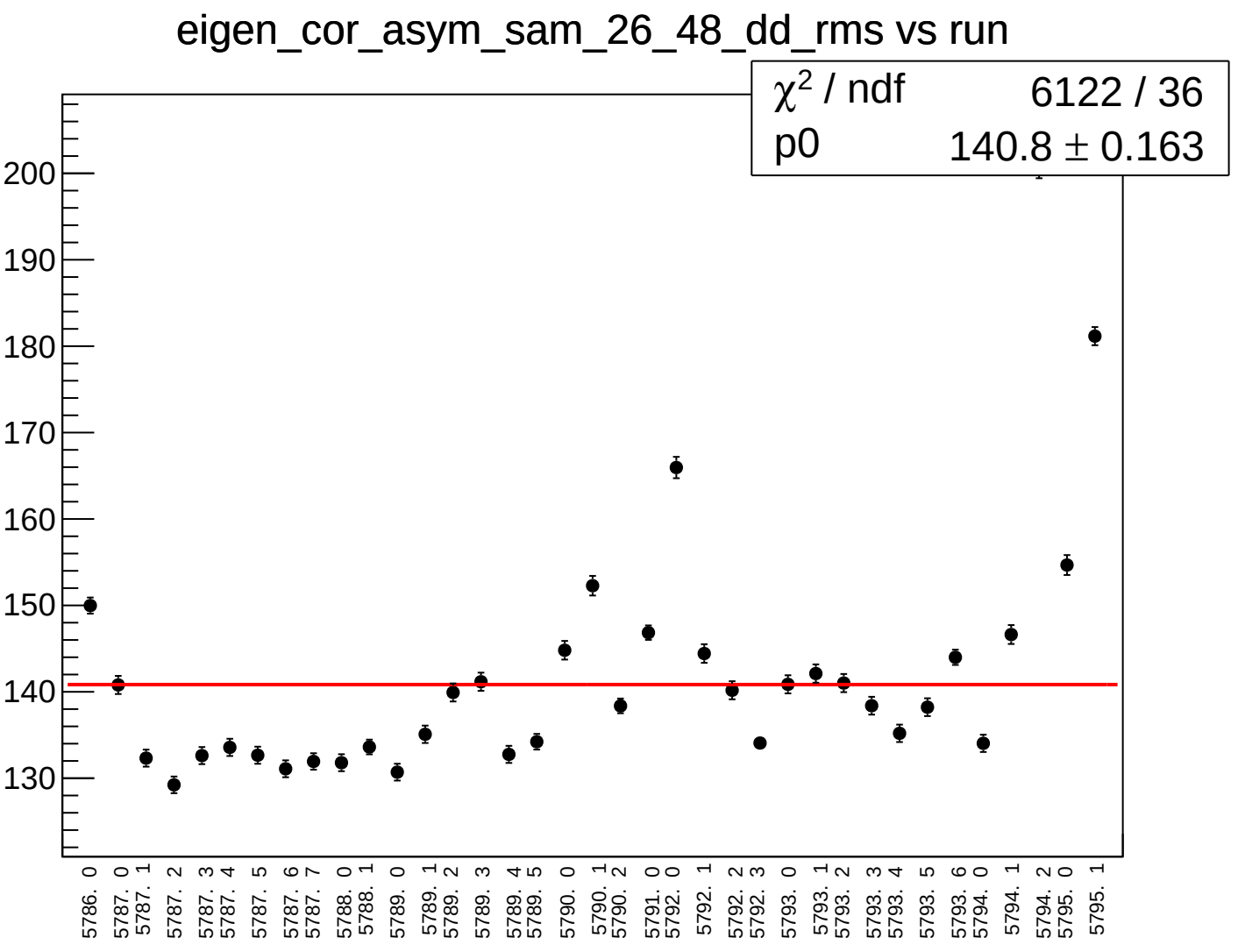

cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 6122 / 36
p0 140.8 ± 0.163
200
190
180
170
160
150
140
130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

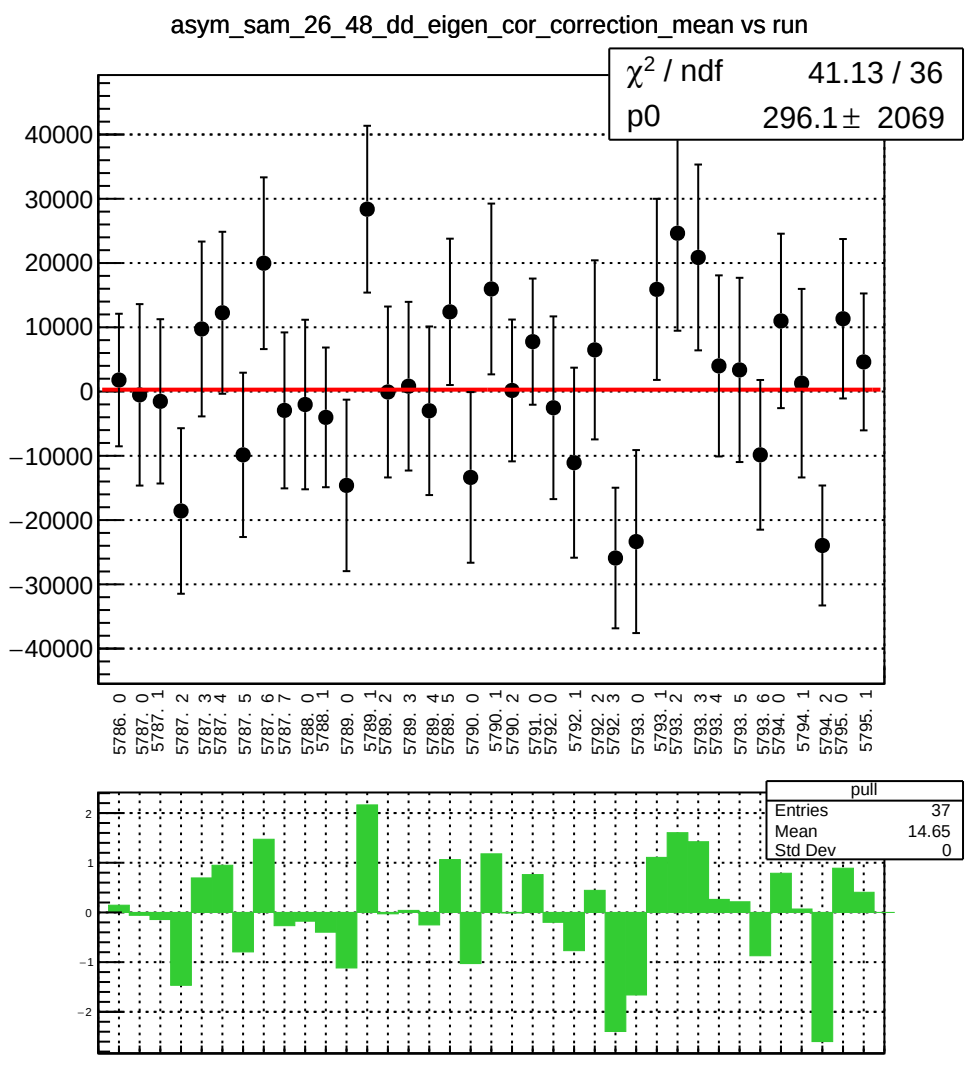

asym_sam_26_48_dd_cor_correction_mean vs run
χ² / ndf 41.13 / 36
p0 296.1 ± 2069
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.65
Std Dev 0
2
1
0
−1
−2

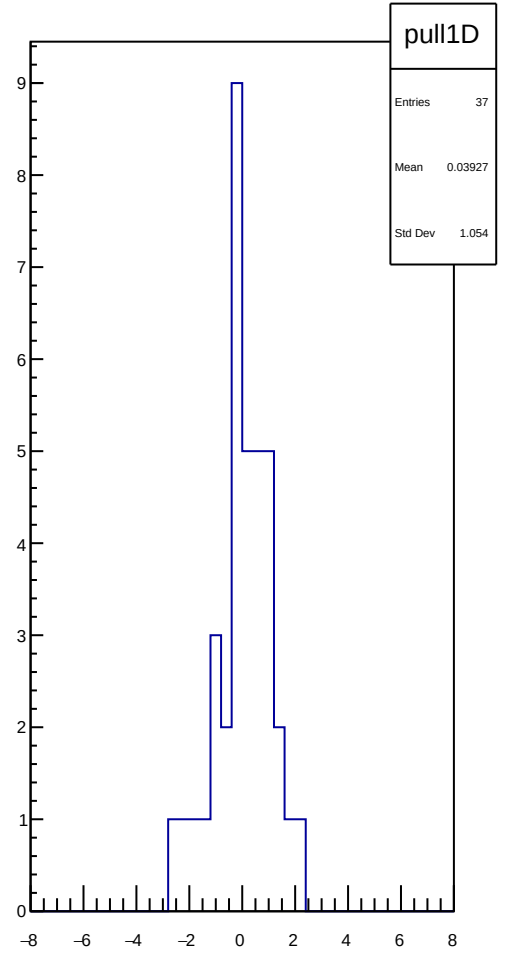

pull1D
Entries 37
Mean 0.03927
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

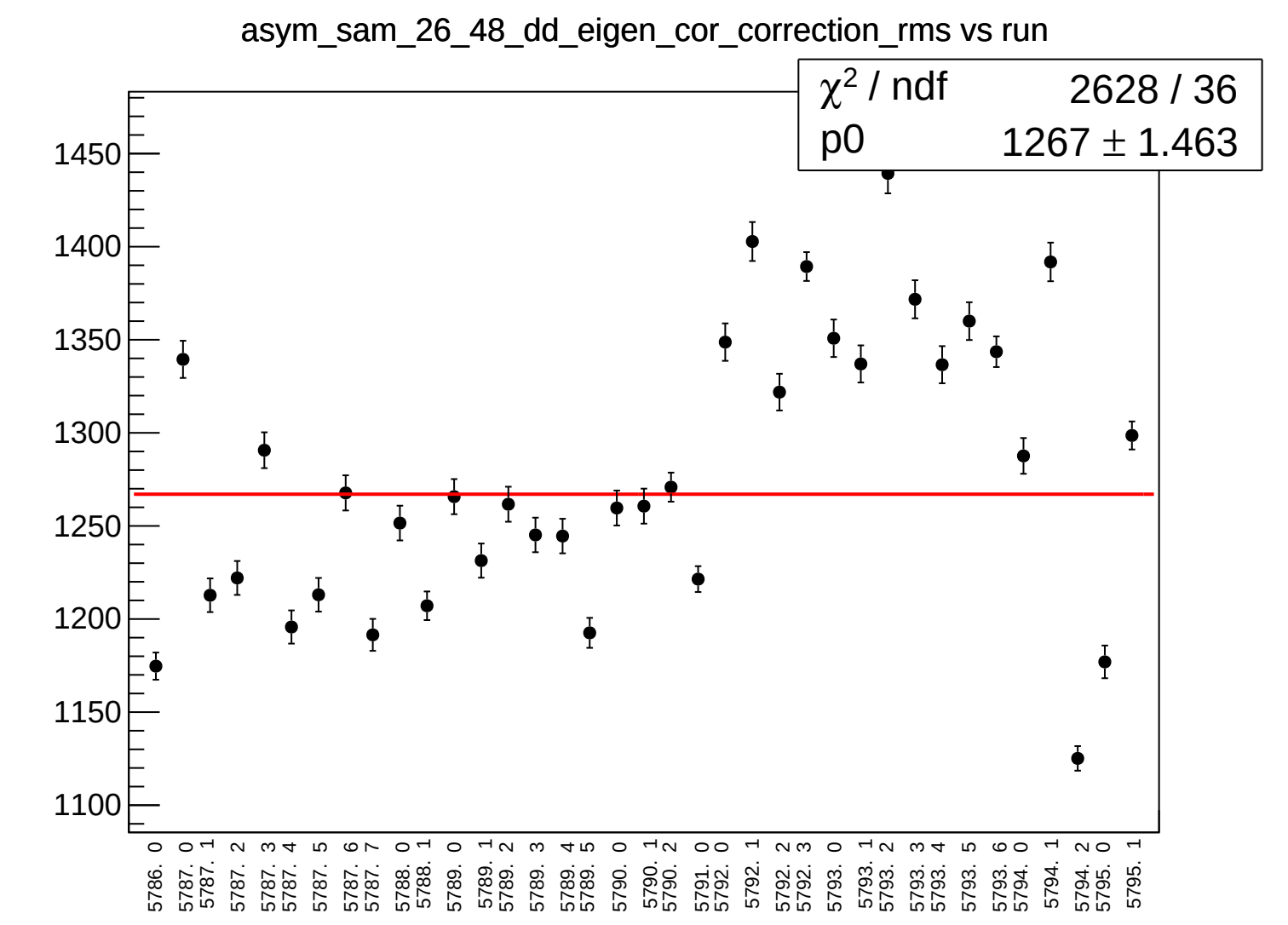

asym_sam_26_48_dd_cor_correction_rms vs run
χ² / ndf 2628 / 36
p0 1267 ± 1.463
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

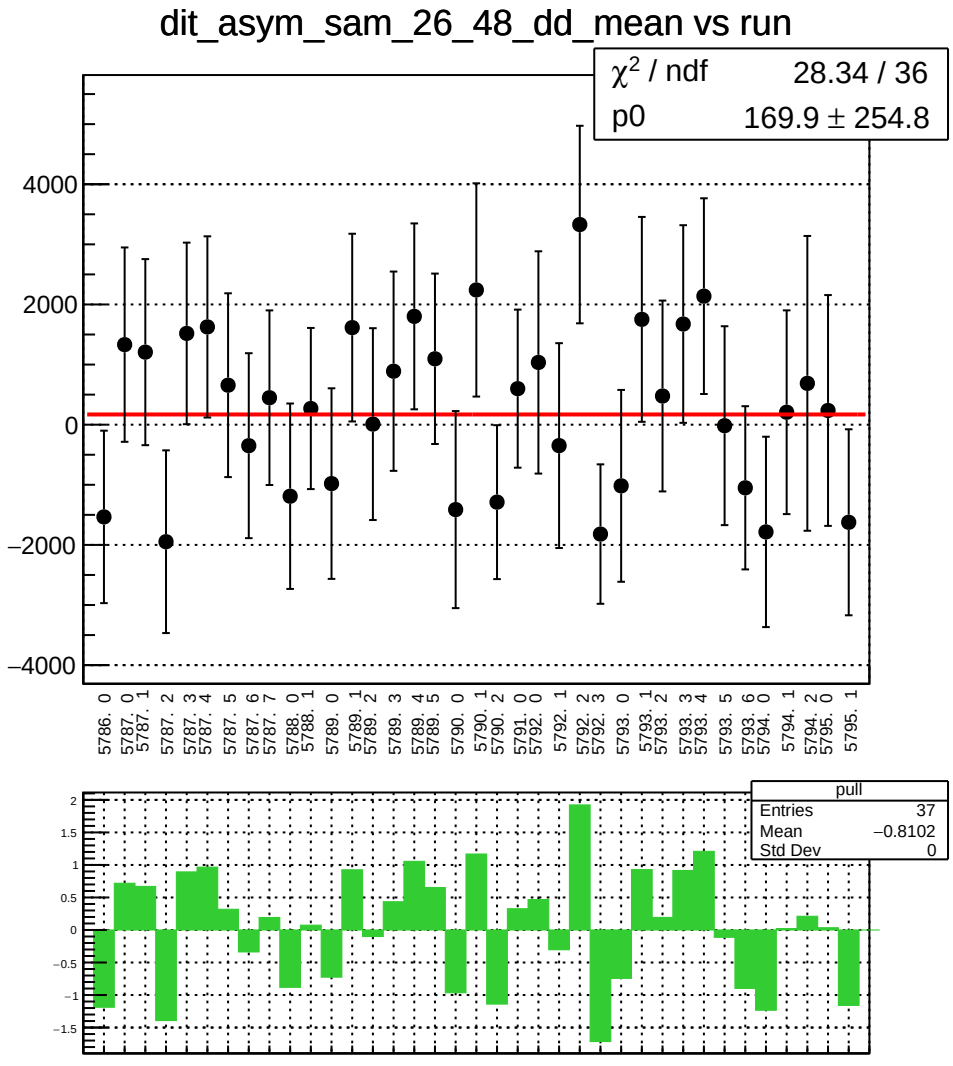

eigen_cor_asym_sam_26_48_dd_mean vs run
χ² / ndf 28.46 / 36
p0 281.6 ± 230.5
6000
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −27.08
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03118
Std Dev 0.8766
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

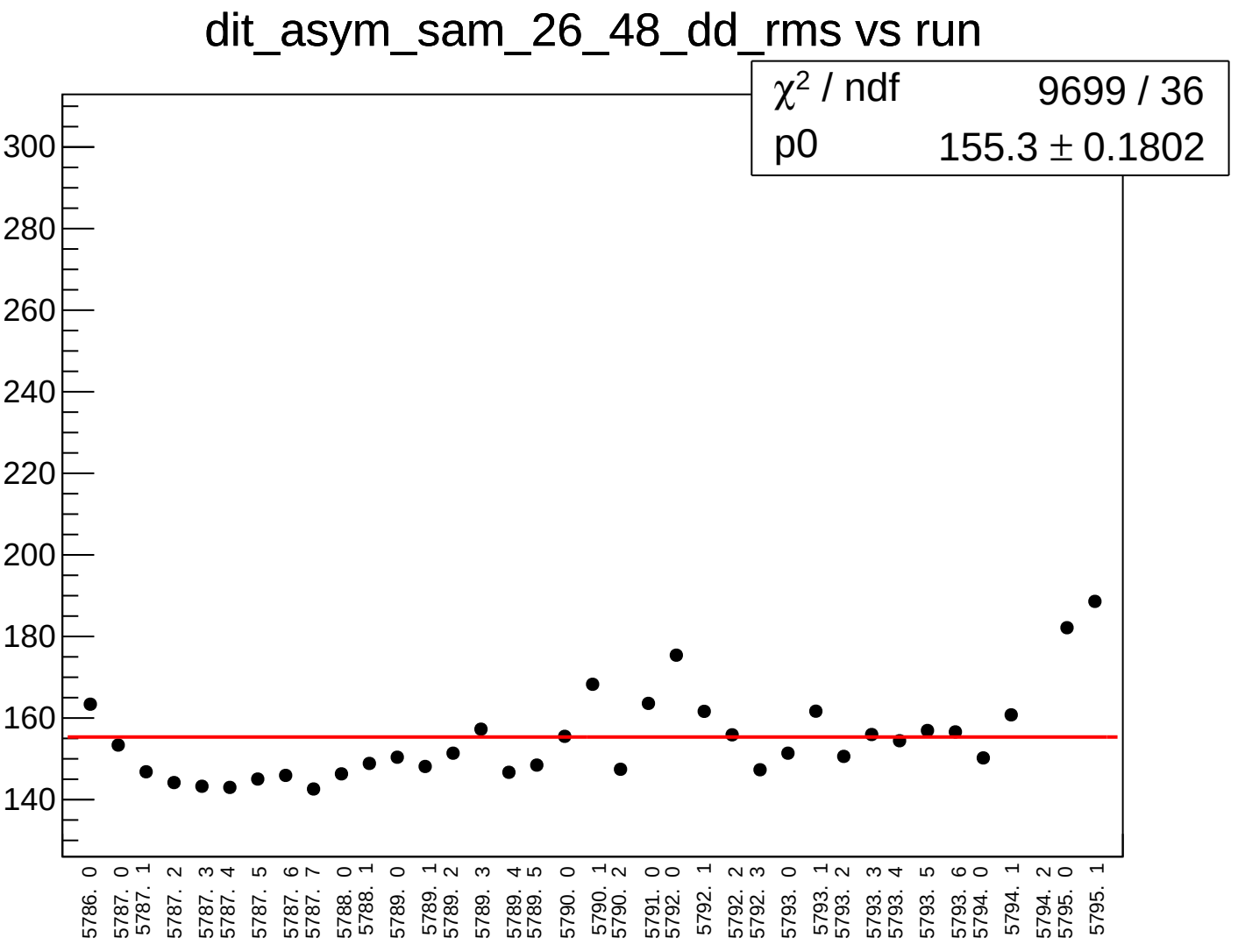

eigen_cor_asym_sam_26_48_dd_rms vs run
χ² / ndf 6122 / 36
p0 140.8 ± 0.163
200
190
180
170
160
150
140
130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

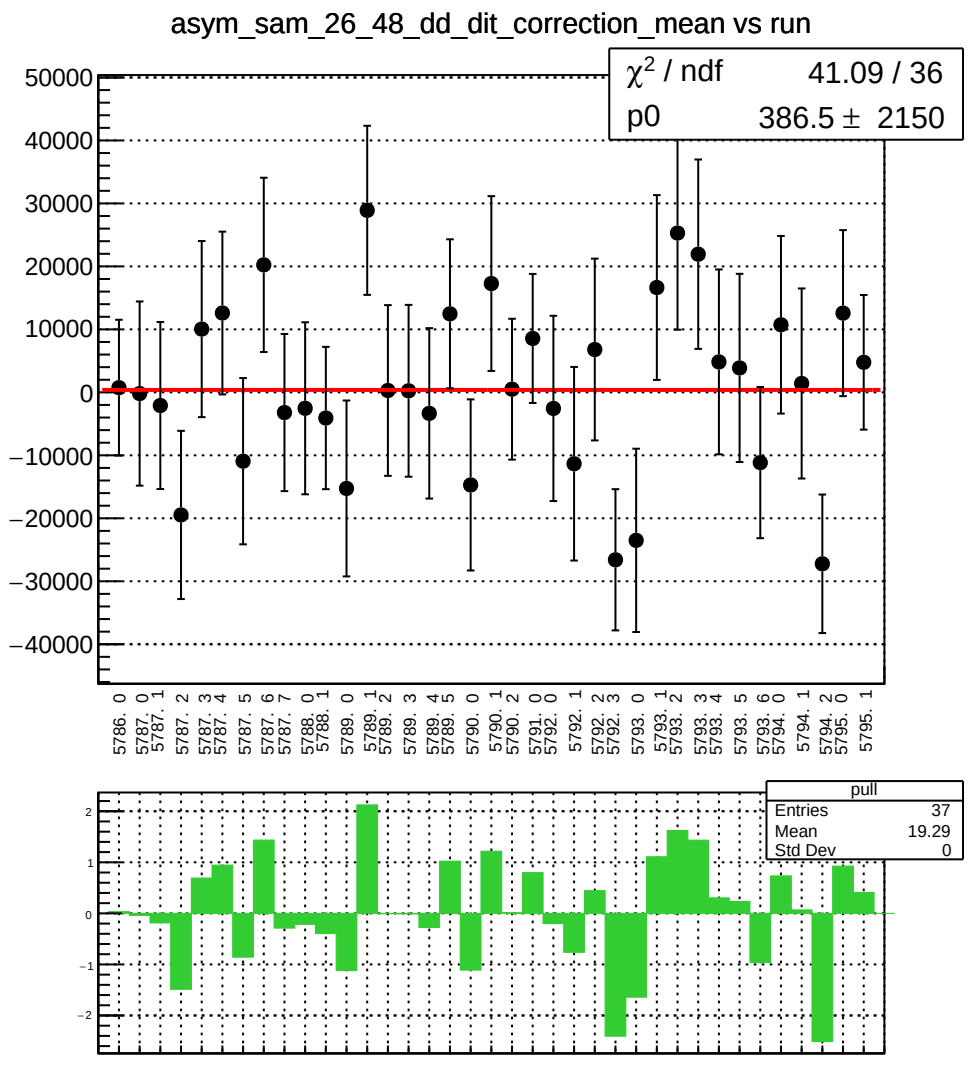

asym_sam_26_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.13 / 36
p0 296.1± 2069
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.65
Std Dev 0
2
1
0
−1
−2

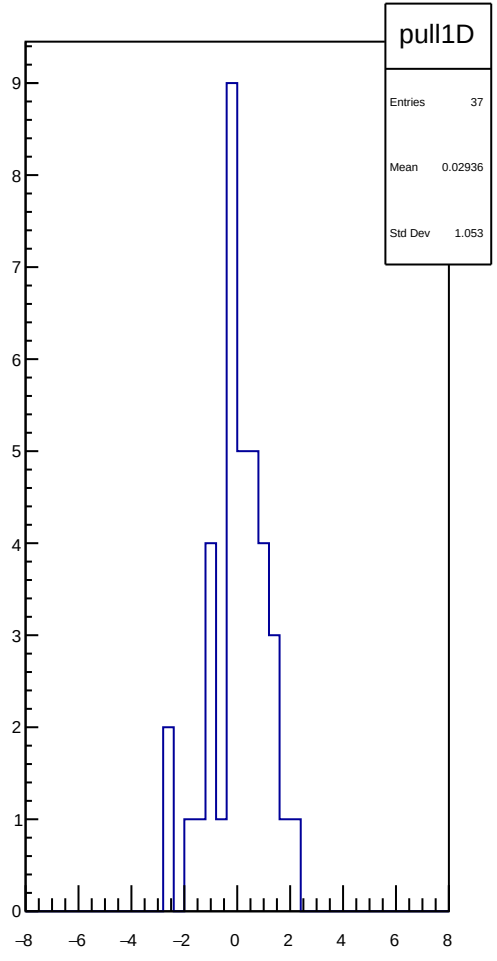

pull1D
Entries 37
Mean 0.03927
Std Dev 1.054
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

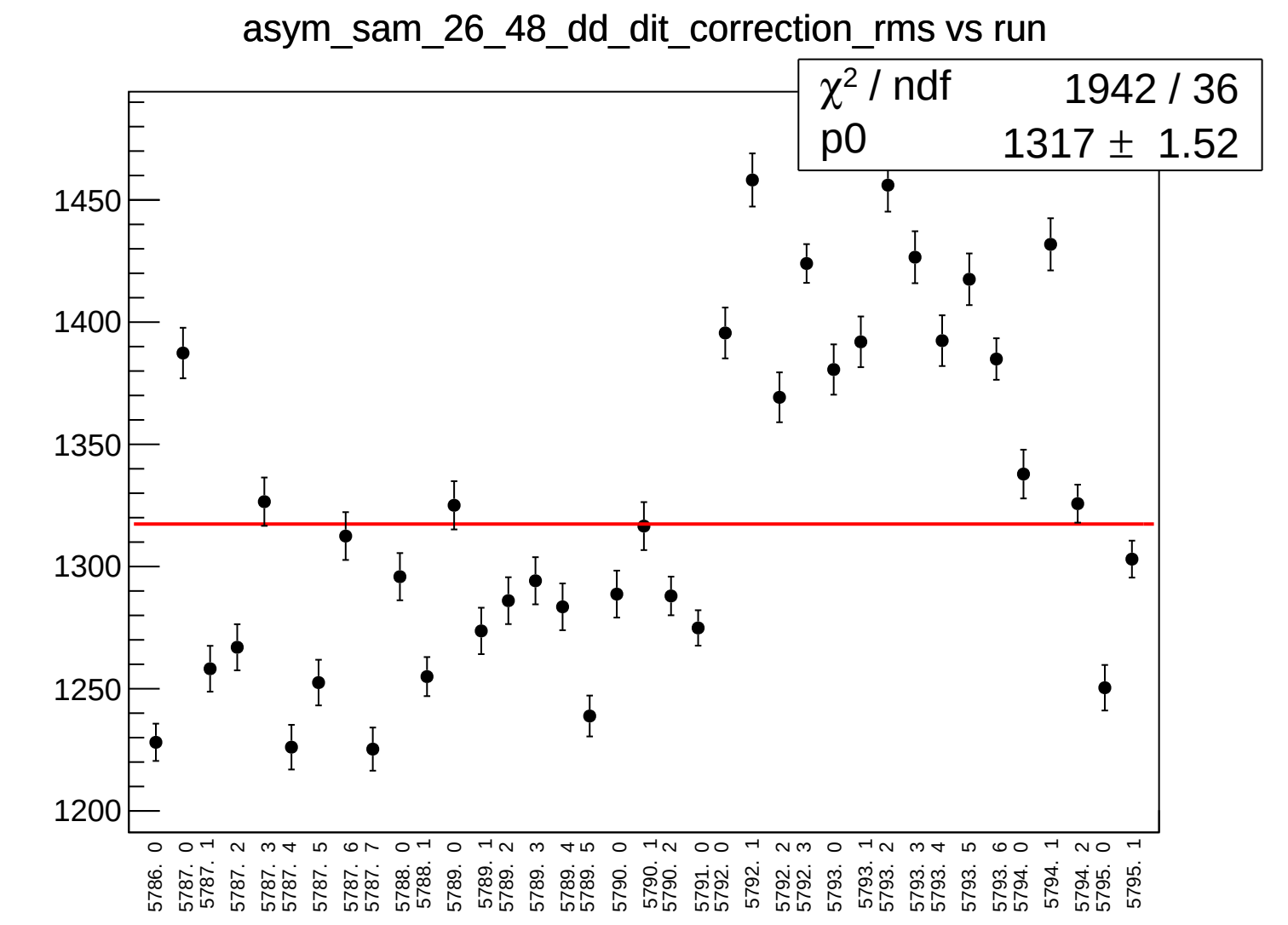

asym_sam_26_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 2628 / 36
p0 1267 ± 1.463
1450
1400
1350
1300
1250
1200
1150
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

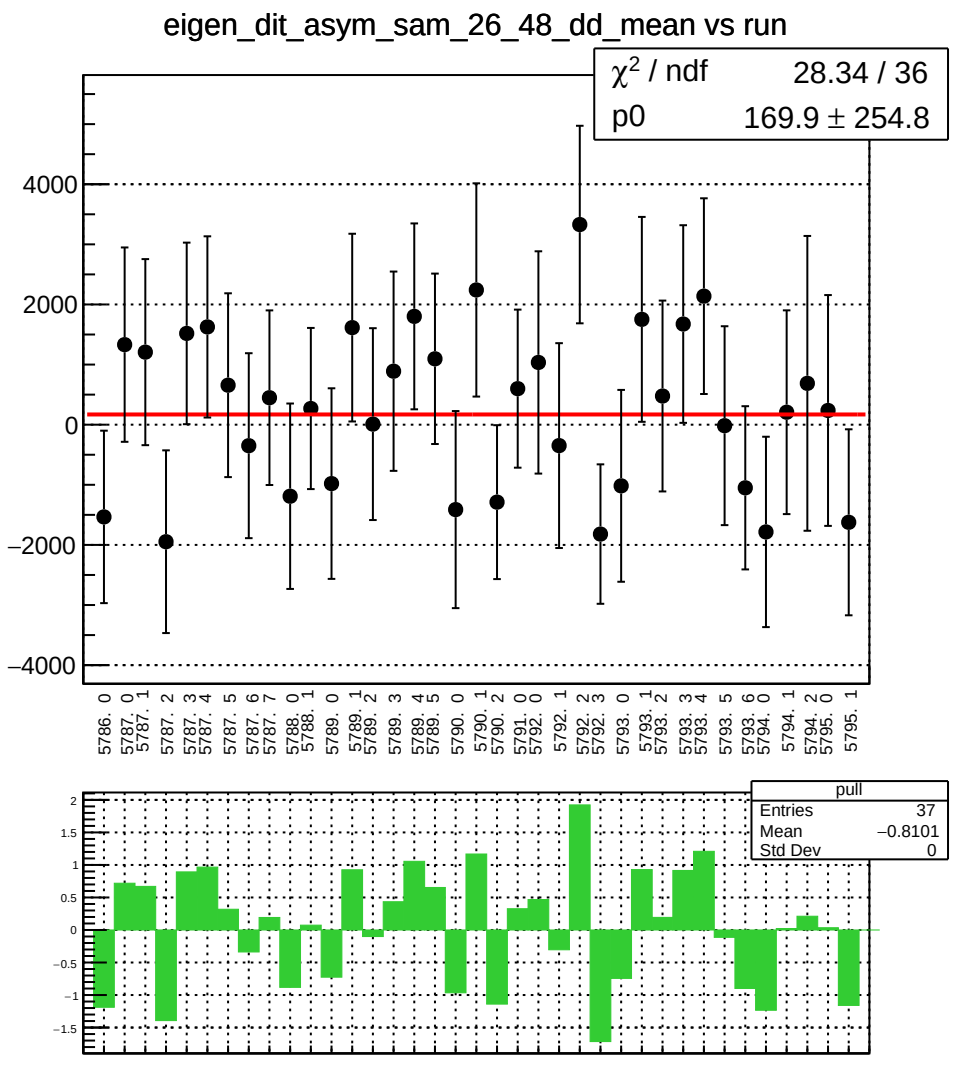

dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 28.34 / 36
p0 169.9 ± 254.8
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.8102
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03789
Std Dev 0.8744
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

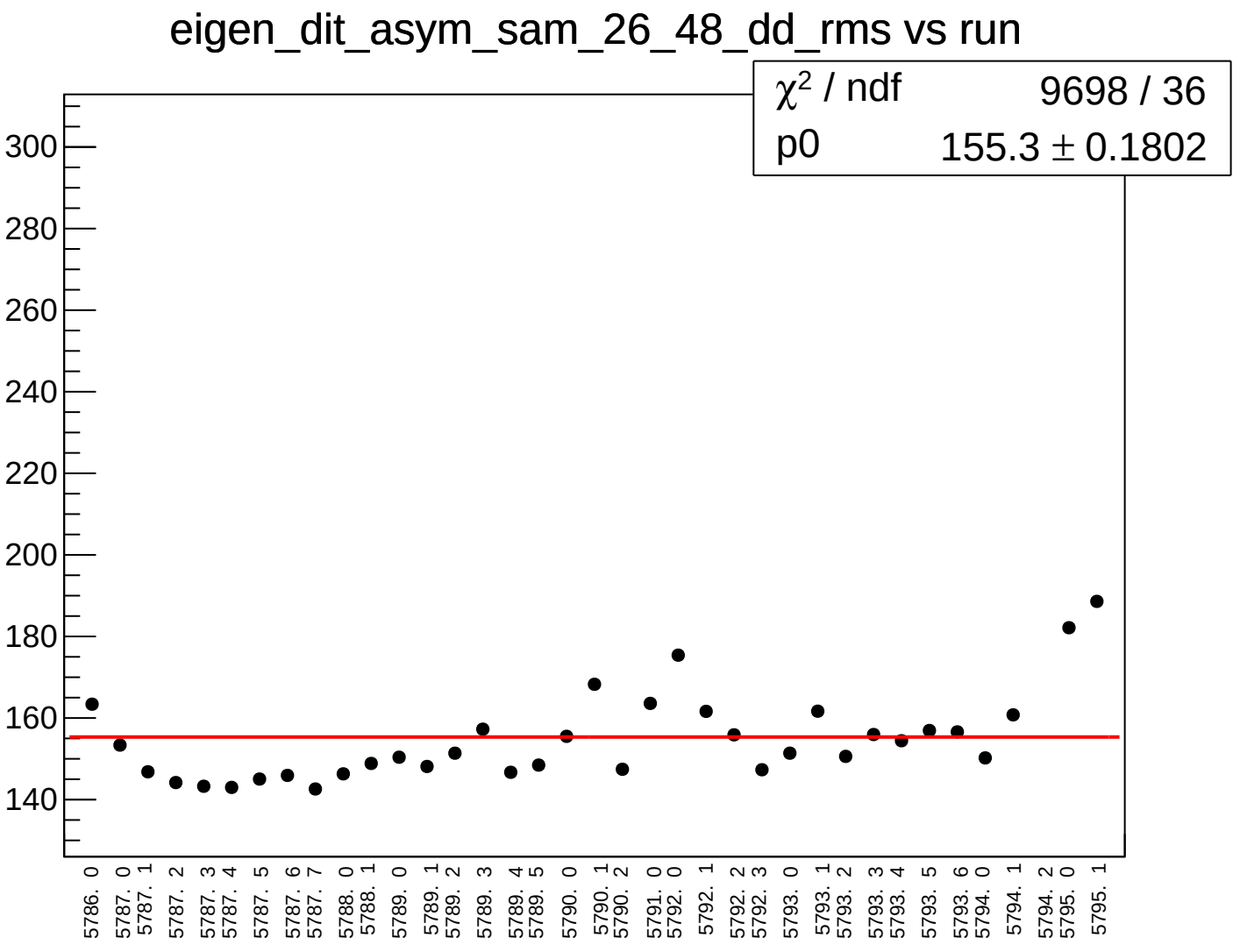

dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 9699 / 36
p0 155.3 ± 0.1802
300
280
260
240
220
200
180
160
140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

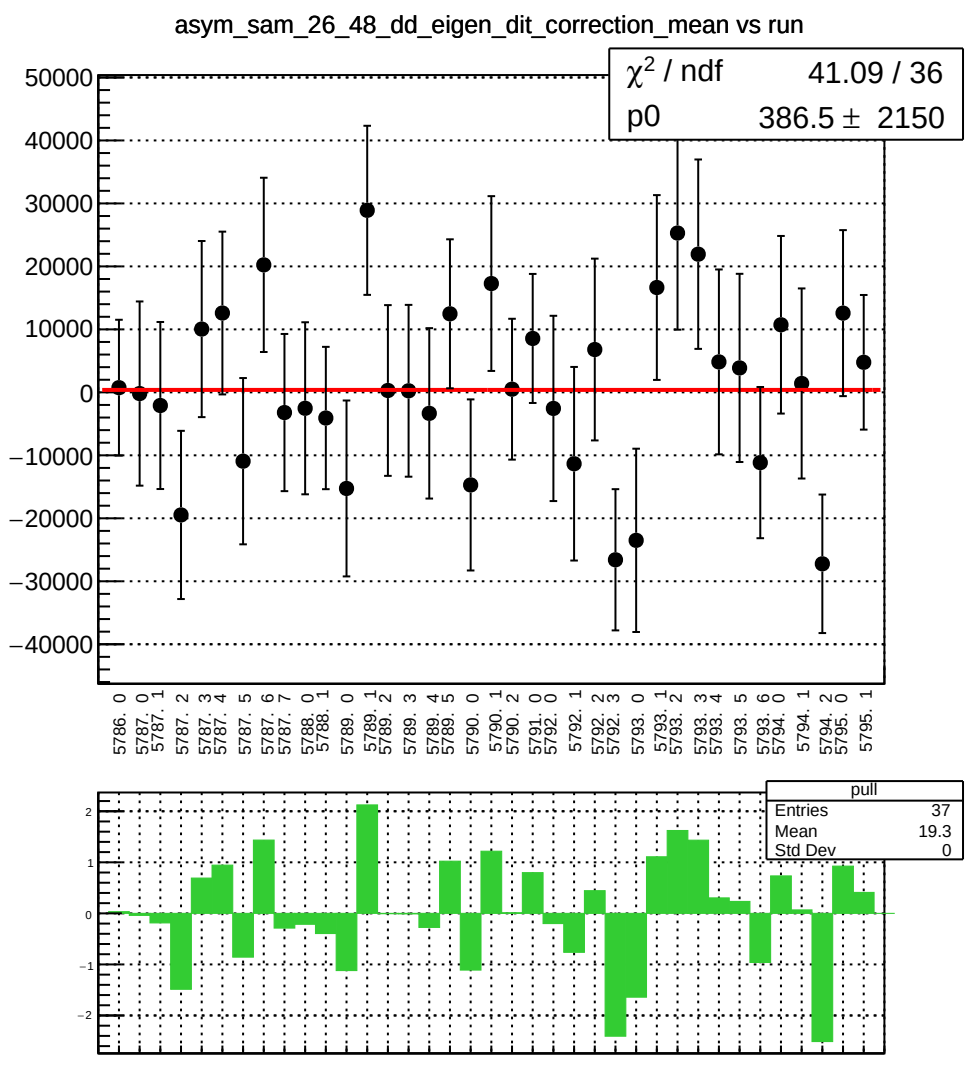

asym_sam_26_48_dd_dit_correction_mean vs run
χ² / ndf 41.09 / 36
p0 386.5 ± 2150
pull
Entries 37
Mean 19.29
Std Dev 0

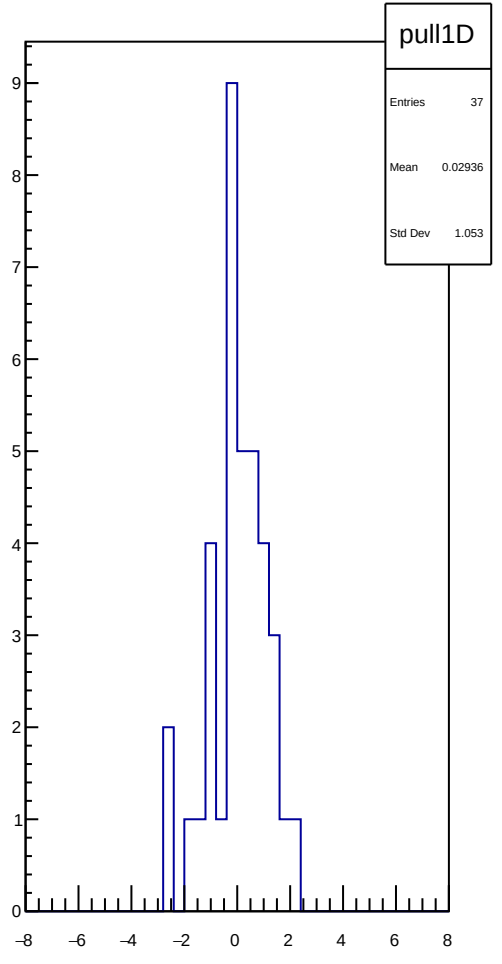

pull1D
Entries 37
Mean 0.02936
Std Dev 1.053

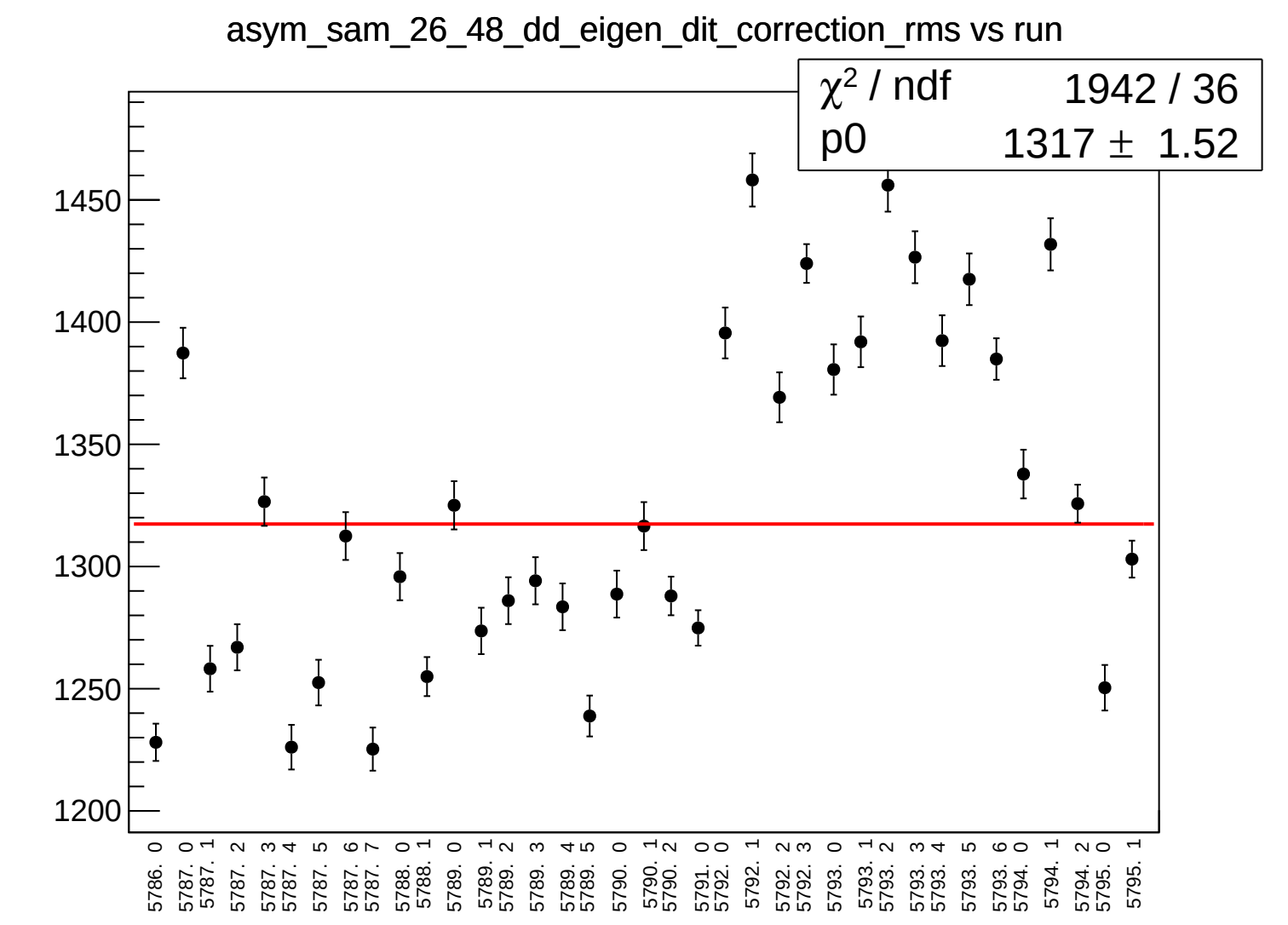

asym_sam_26_48_dd_dit_correction_rms vs run
χ² / ndf 1942 / 36
p0 1317 ± 1.52
1450
1400
1350
1300
1250
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

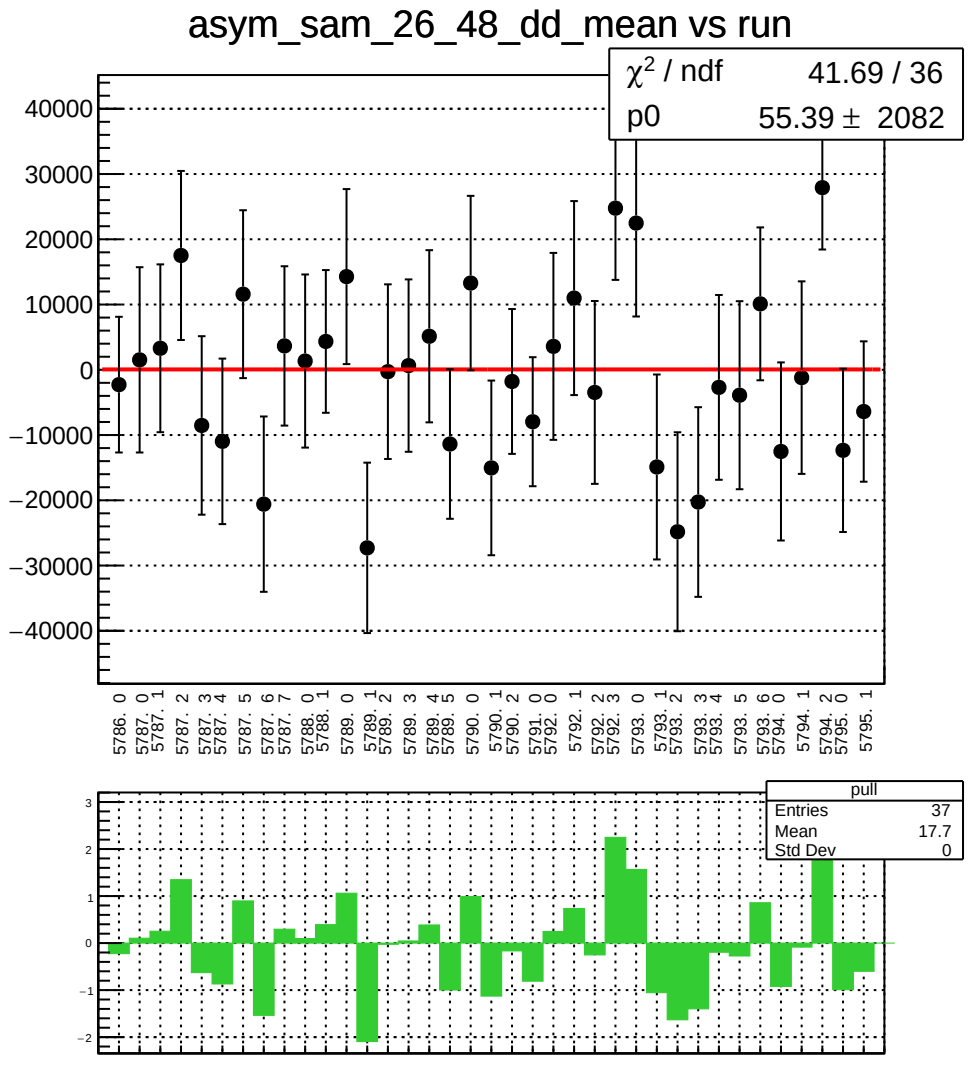

eigen_dit_asym_sam_26_48_dd_mean vs run
χ² / ndf 28.34 / 36
p0 169.9 ± 254.8
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.8101
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03789
Std Dev 0.8744
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

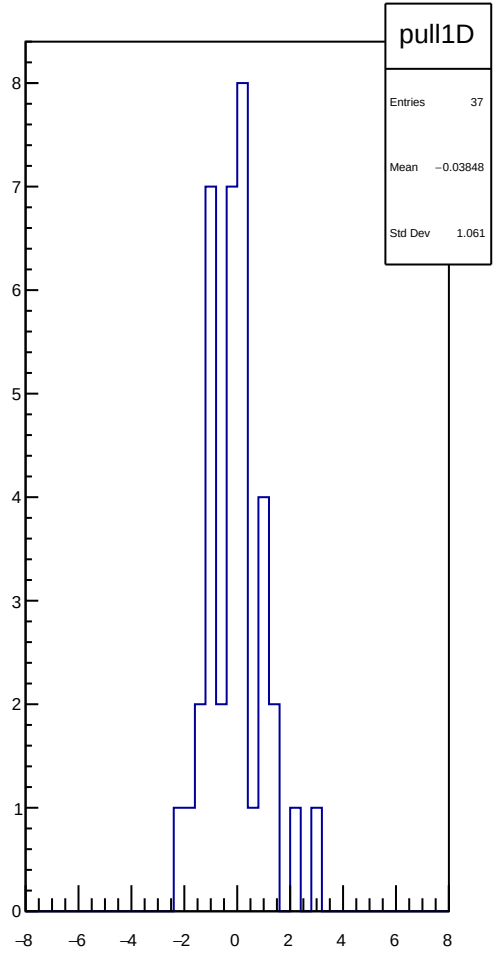

eigen_dit_asym_sam_26_48_dd_rms vs run
χ² / ndf 9698 / 36
p0 155.3 ± 0.1802
300
280
260
240
220
200
180
160
140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

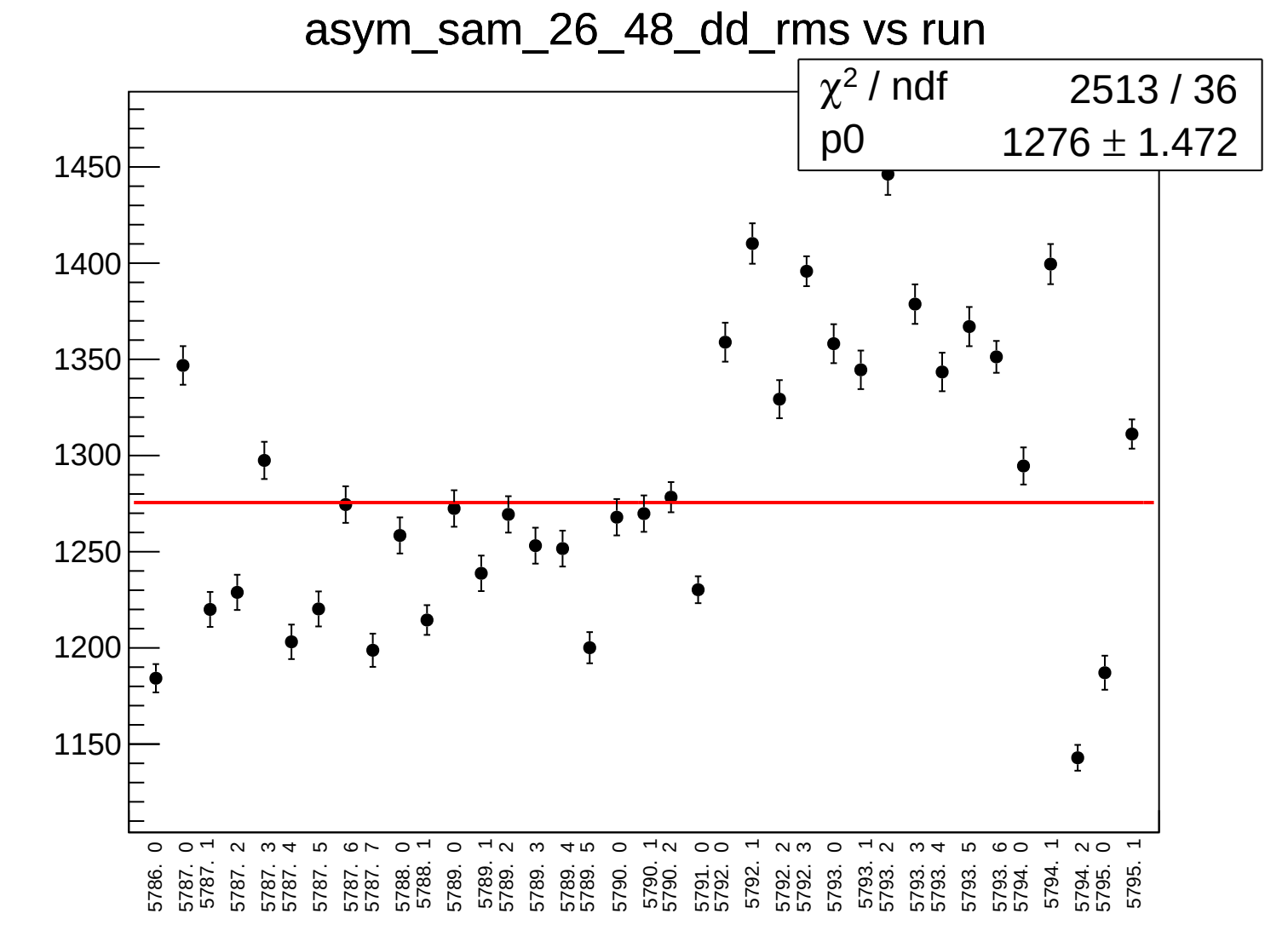

asym_sam_26_48_dd_eigen_dit_correction_mean vs run
χ^2 / ndf 41.09 / 36
p0 386.5 ± 2150
50000
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 19.3
Std Dev 0
2
1
0
−1
−2

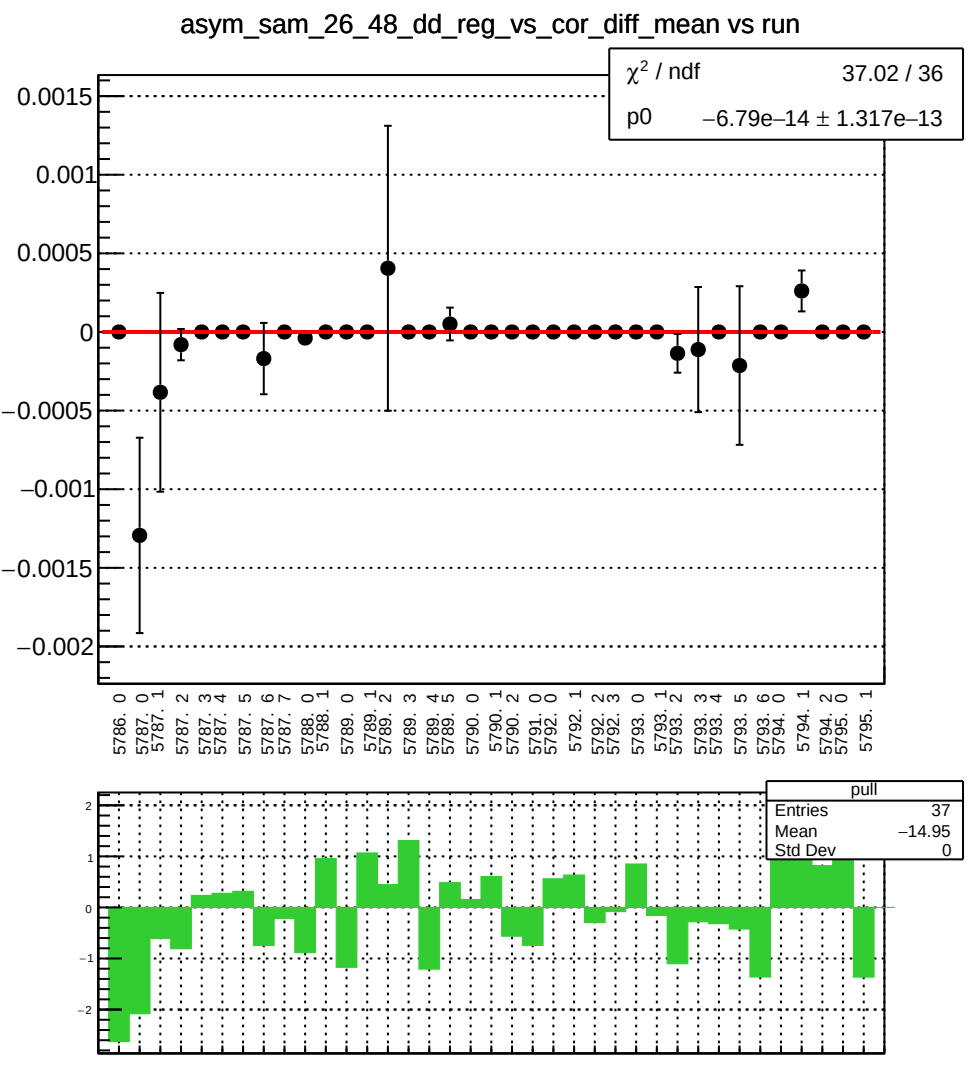

pull1D
Entries 37
Mean 0.02936
Std Dev 1.053
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

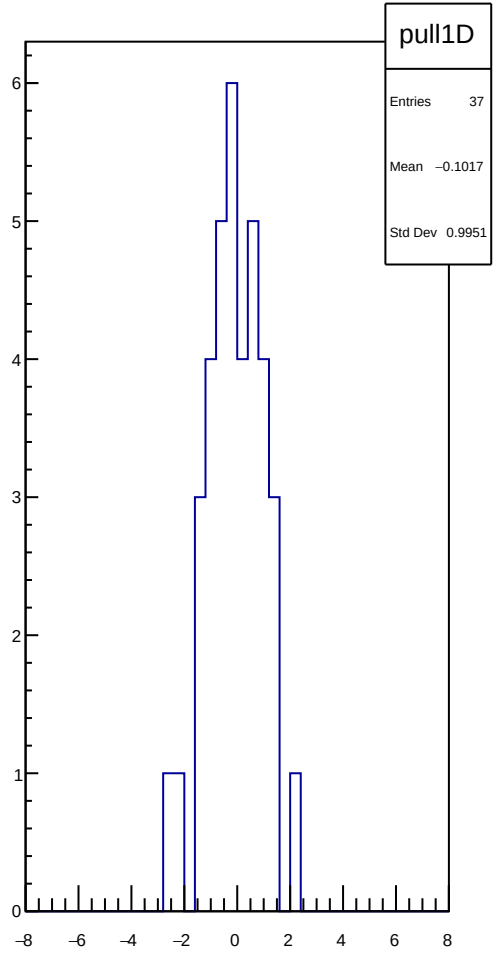

asym_sam_26_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1942 / 36
p0 1317 ± 1.52
1450
1400
1350
1300
1250
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

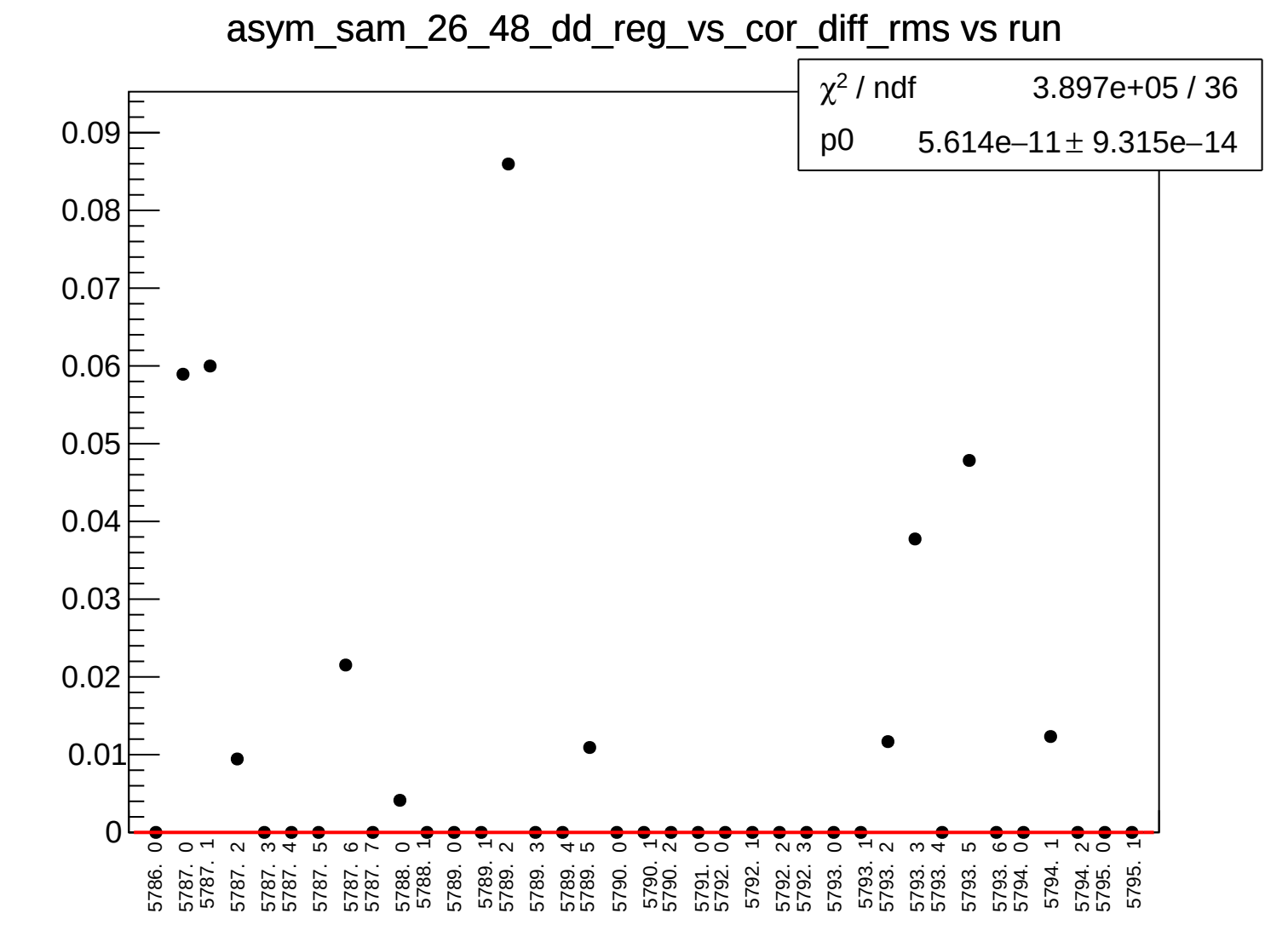

asym_sam_26_48_dd_mean vs run
χ² / ndf 41.69 / 36
p0 55.39 ± 2082
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.7
Std Dev 0
3
2
1
0
−1
−2

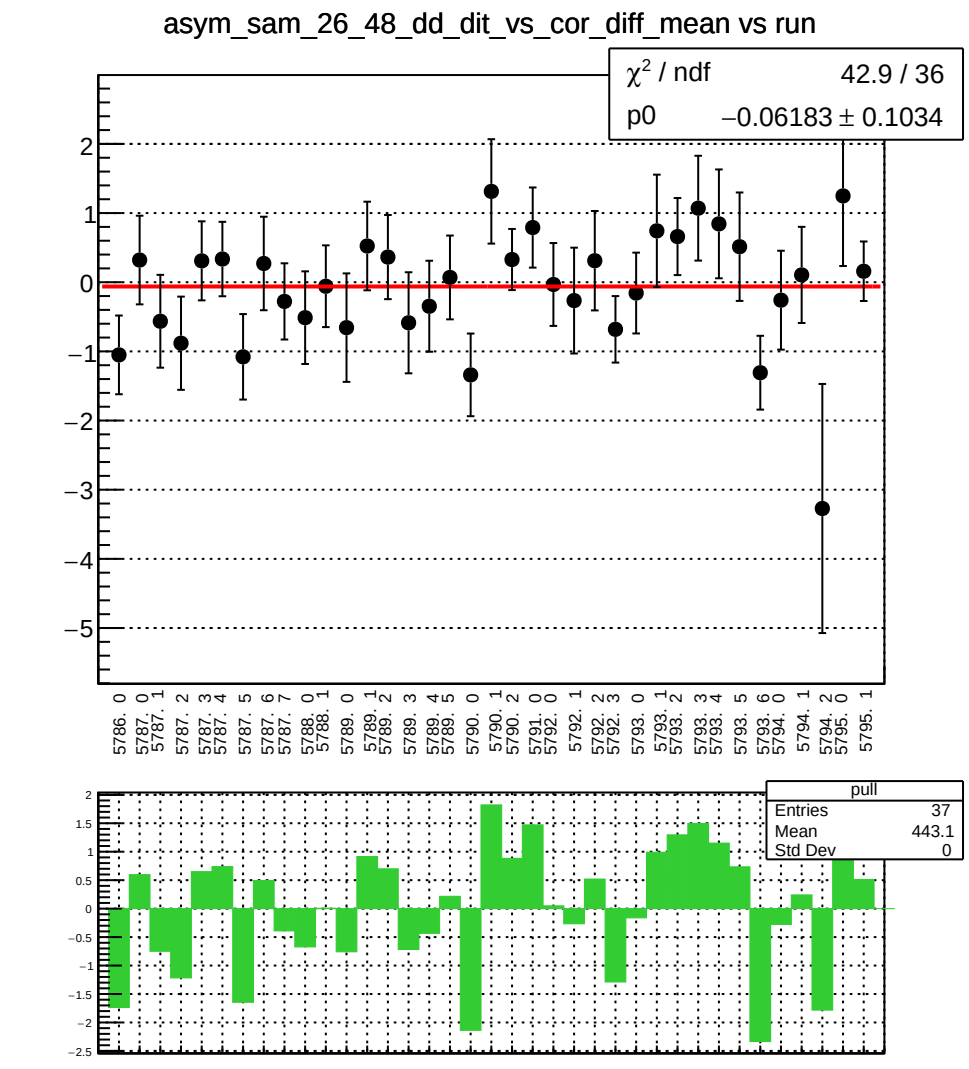

pull1D
Entries 37
Mean −0.03848
Std Dev 1.061
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

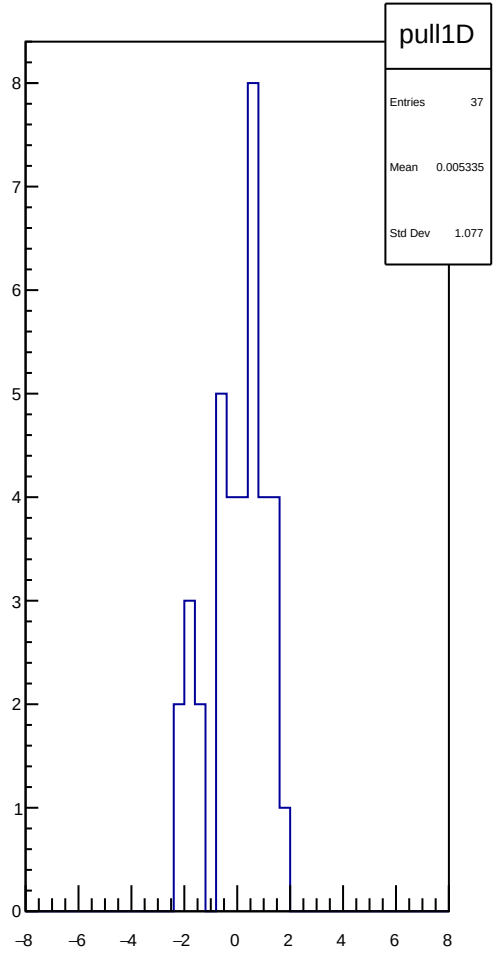

asym_sam_26_48_dd_rms vs run
χ² / ndf 2513 / 36
p0 1276 ± 1.472
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

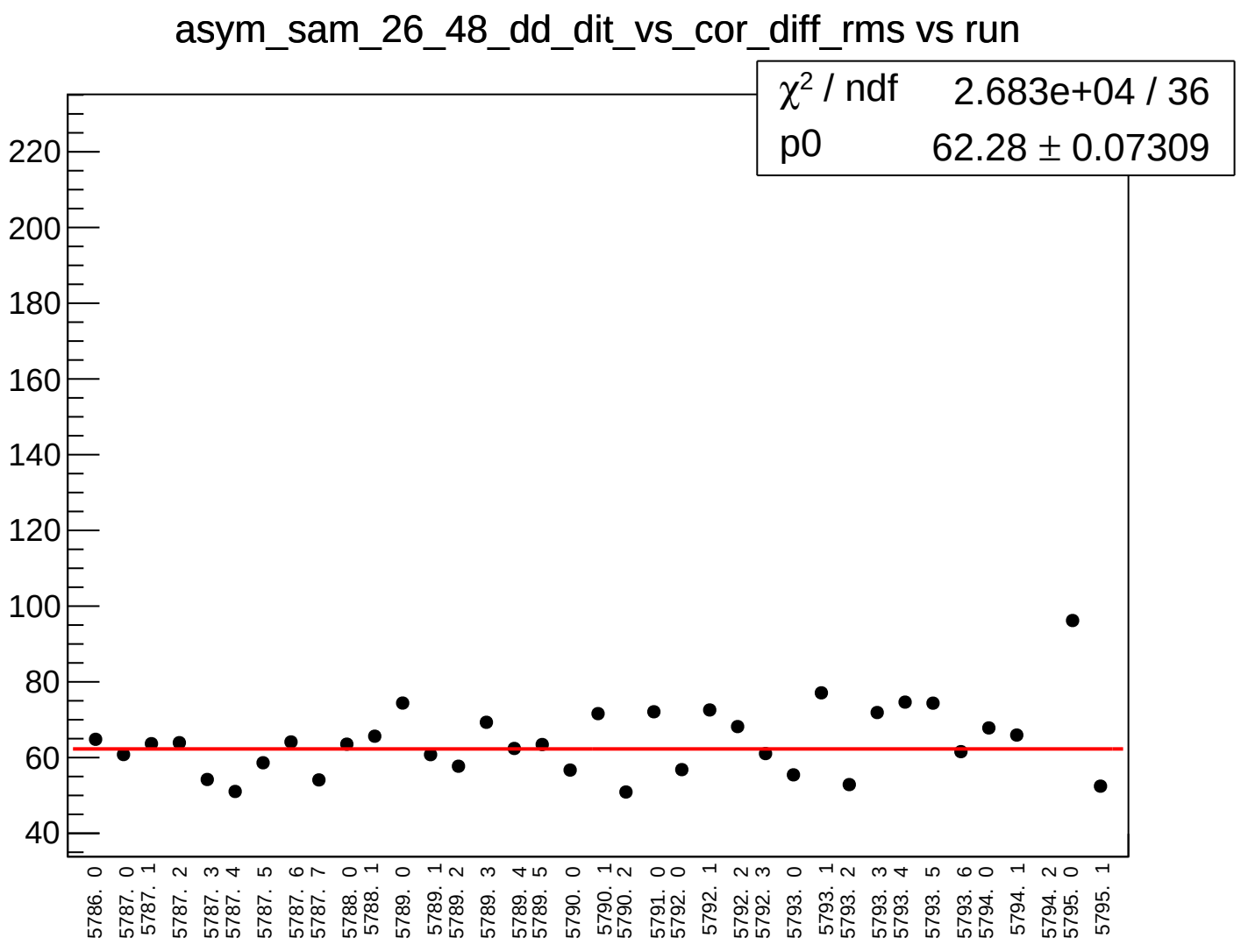

asym_sam_26_48_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 37.02 / 36
p0 −6.79e−14 ± 1.317e−13
0.0015
0.001
0.0005
0
−0.0005
−0.001
−0.0015
−0.002
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.95
Std Dev 0
2
1
0
−1
−2

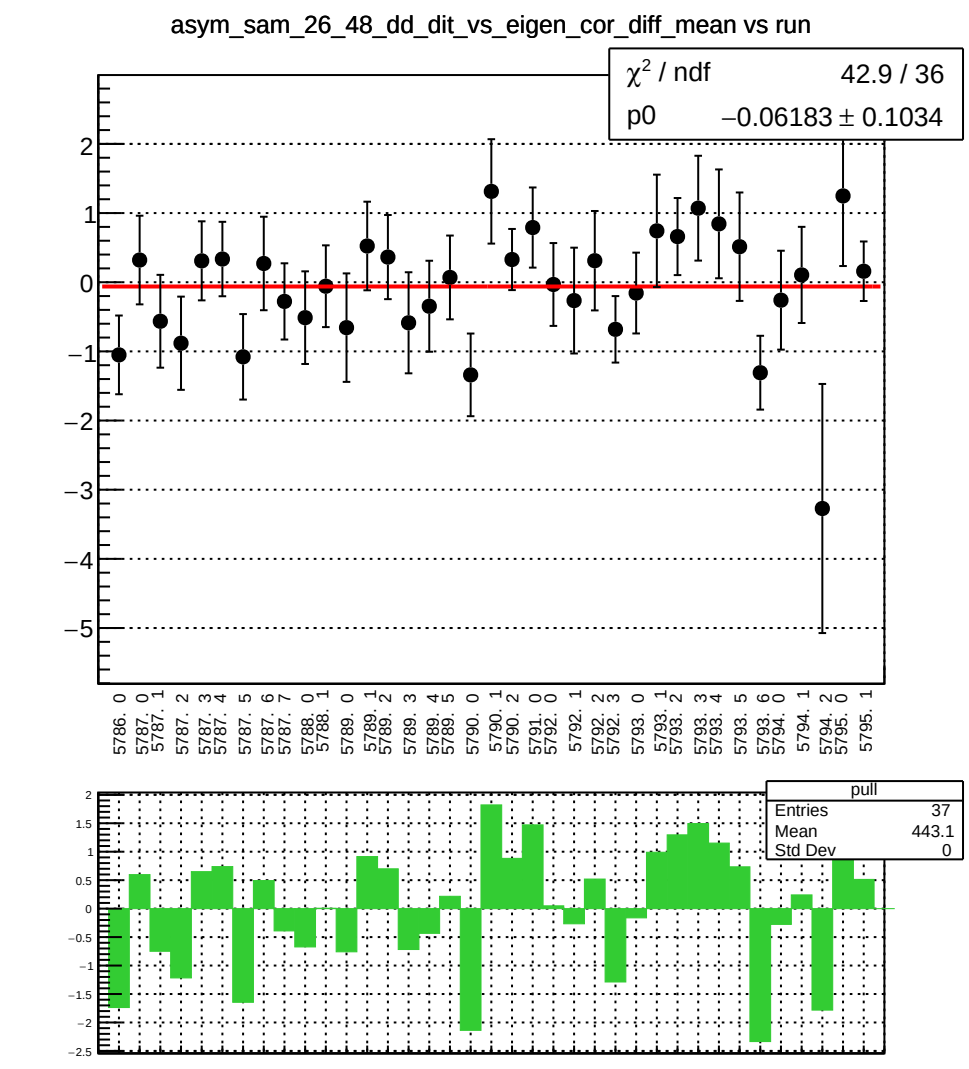

pull1D
Entries 37
Mean −0.1017
Std Dev 0.9951
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

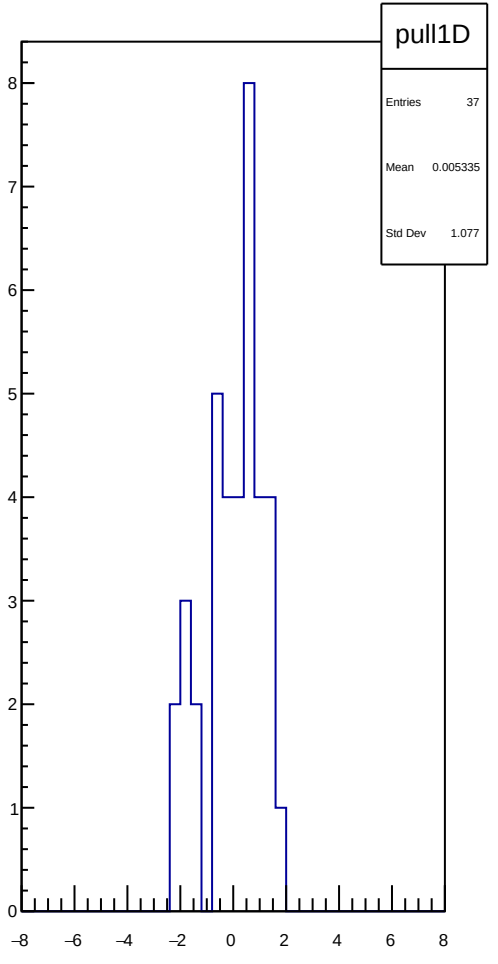

asym_sam_26_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.897e+05 / 36
p0 5.614e−11 ± 9.315e−14
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

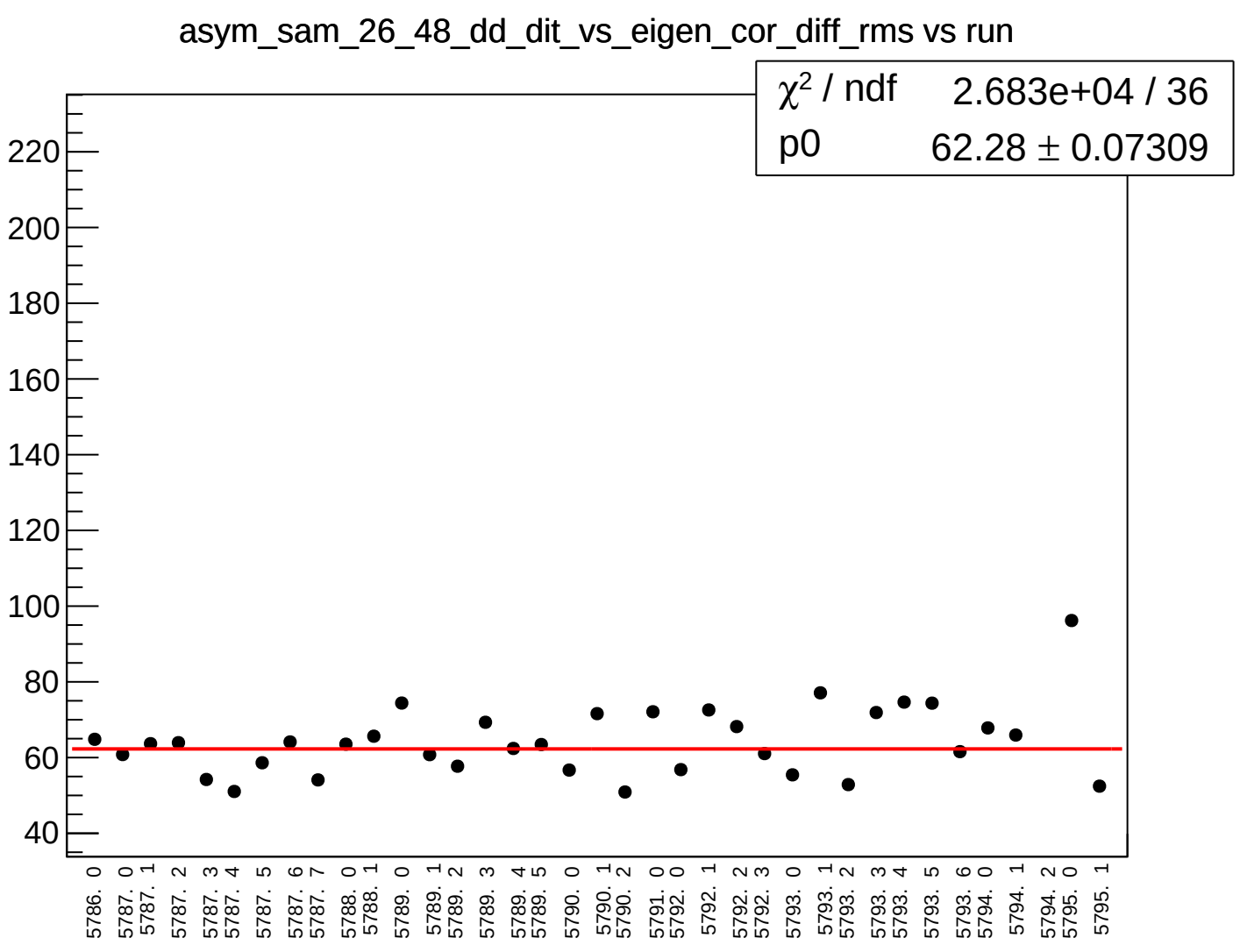

asym_sam_26_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 42.9 / 36
p0 −0.06183 ± 0.1034
pull
Entries 37
Mean 443.1
Std Dev 0

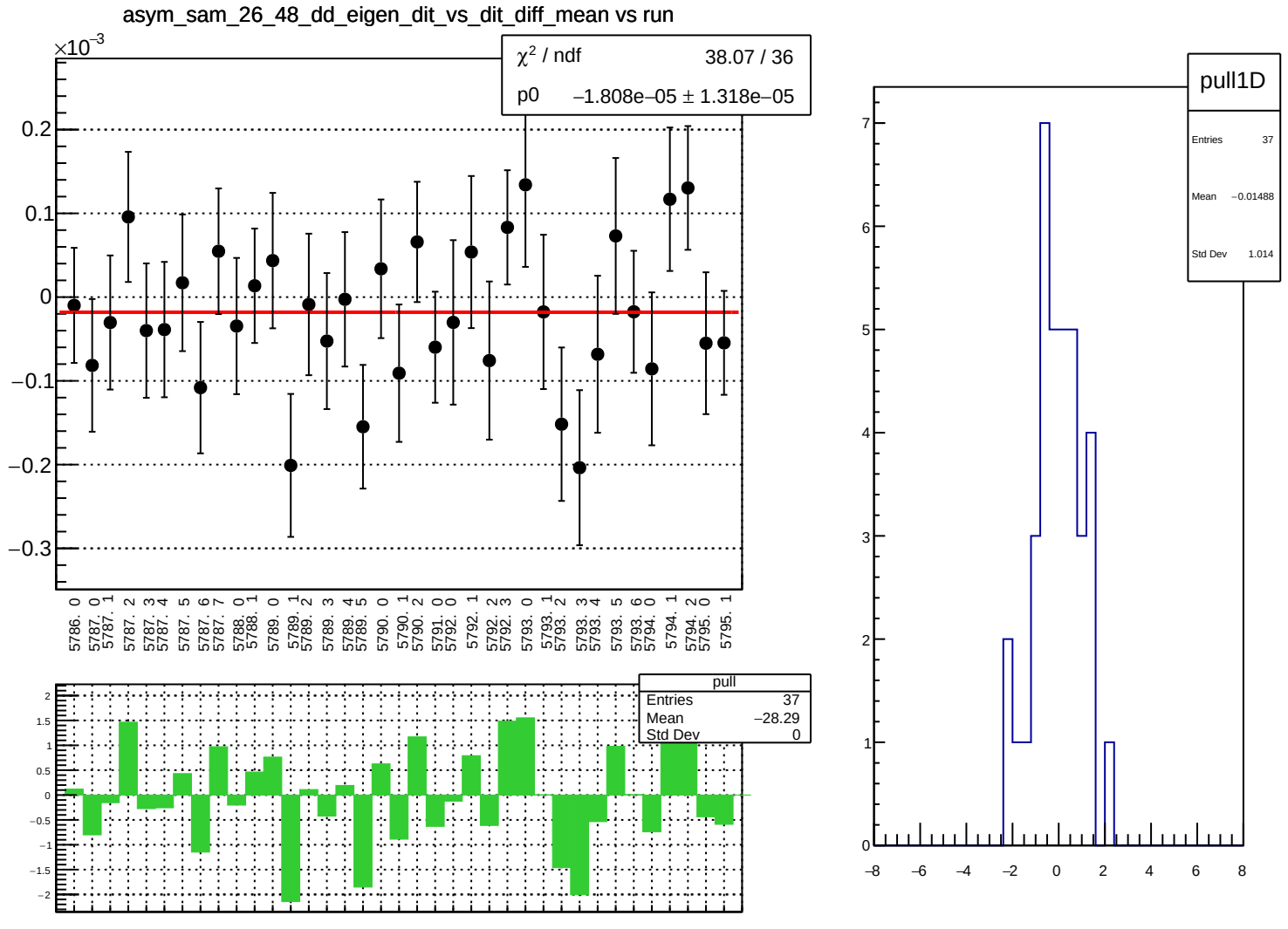

pull1D
Entries 37
Mean 0.005335
Std Dev 1.077

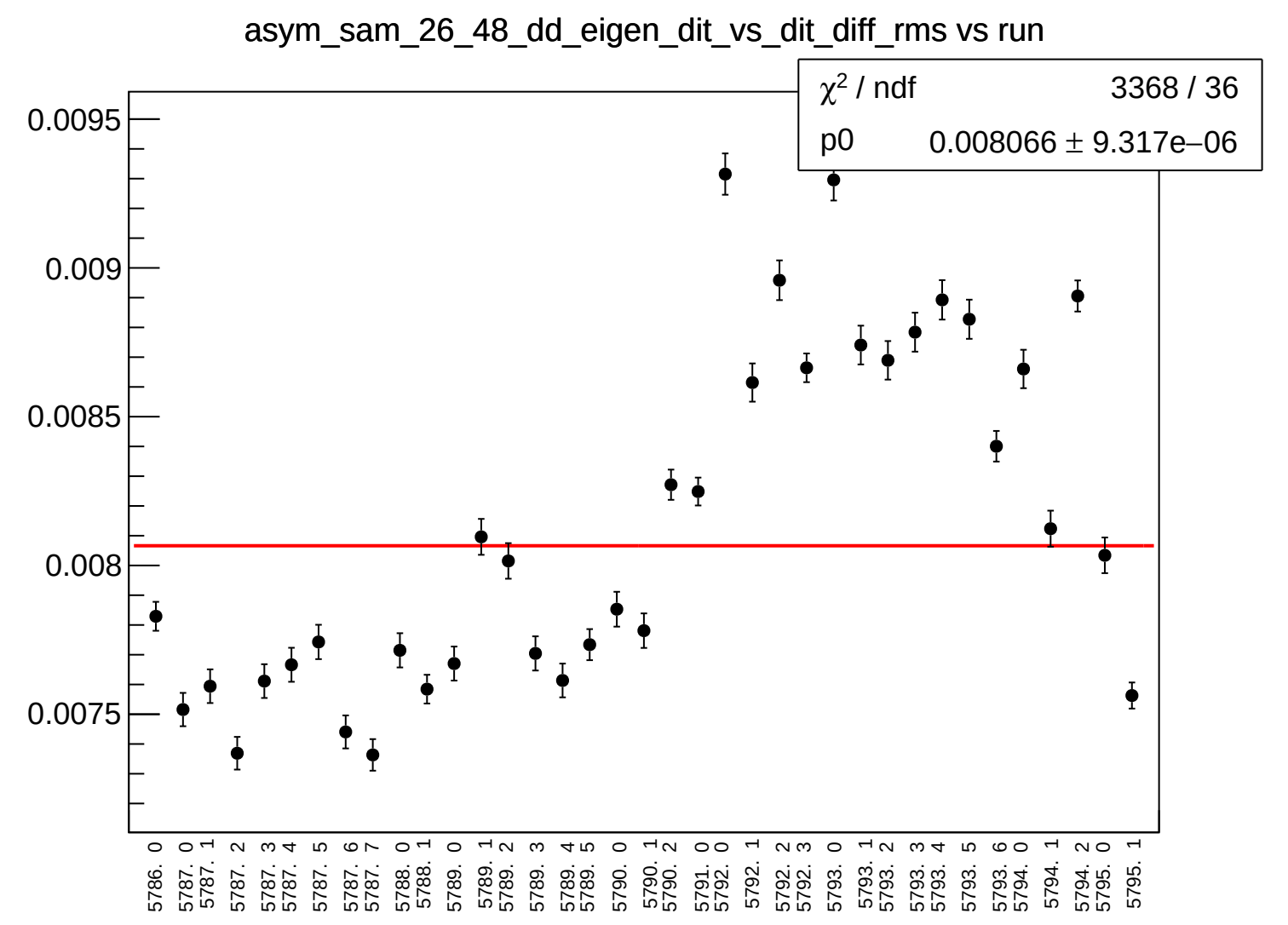

asym_sam_26_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 36
p0 62.28 ± 0.07309
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

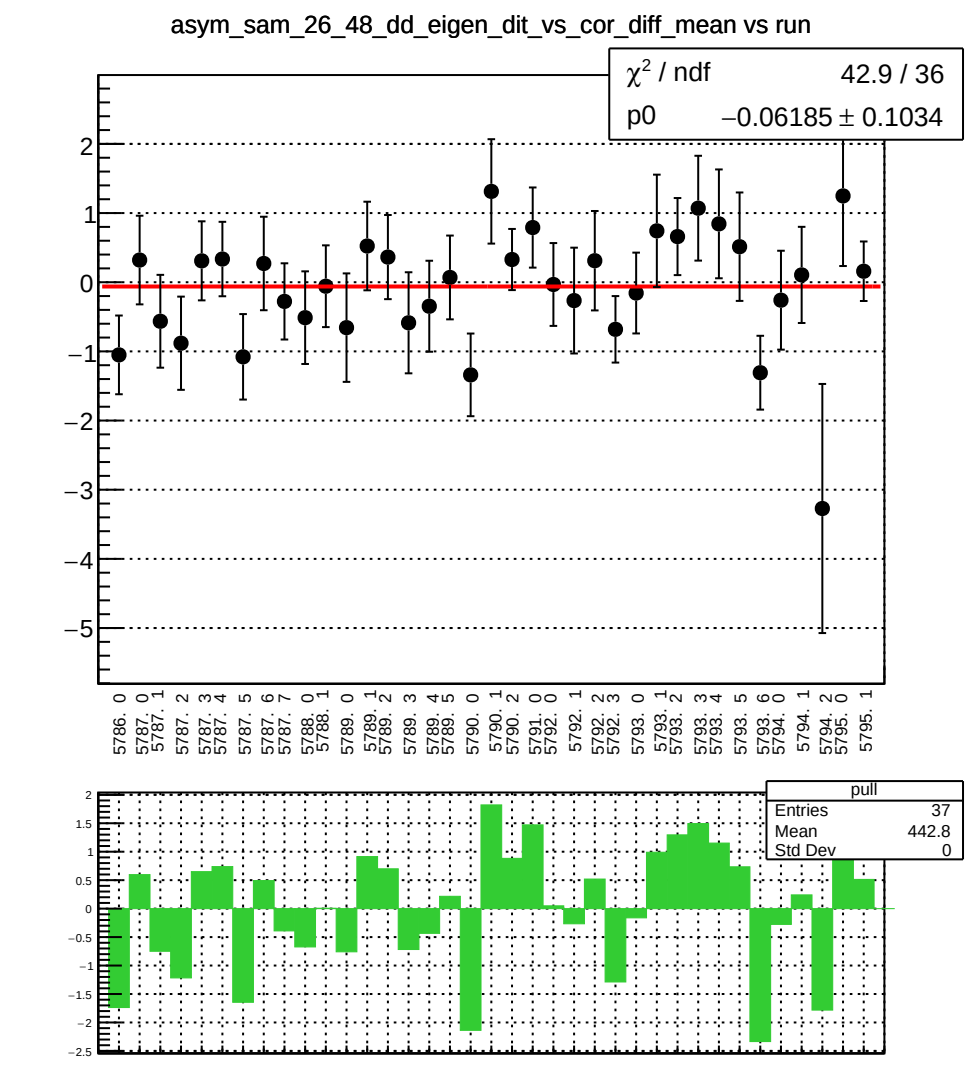

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.9 / 36
p0 −0.06183 ± 0.1034
pull
Entries 37
Mean 443.1
Std Dev 0

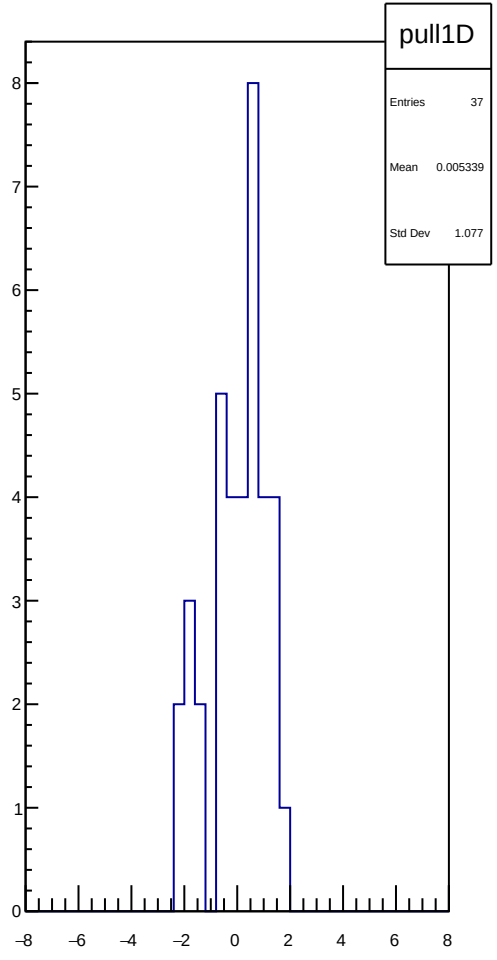

pull1D
Entries 37
Mean 0.005335
Std Dev 1.077

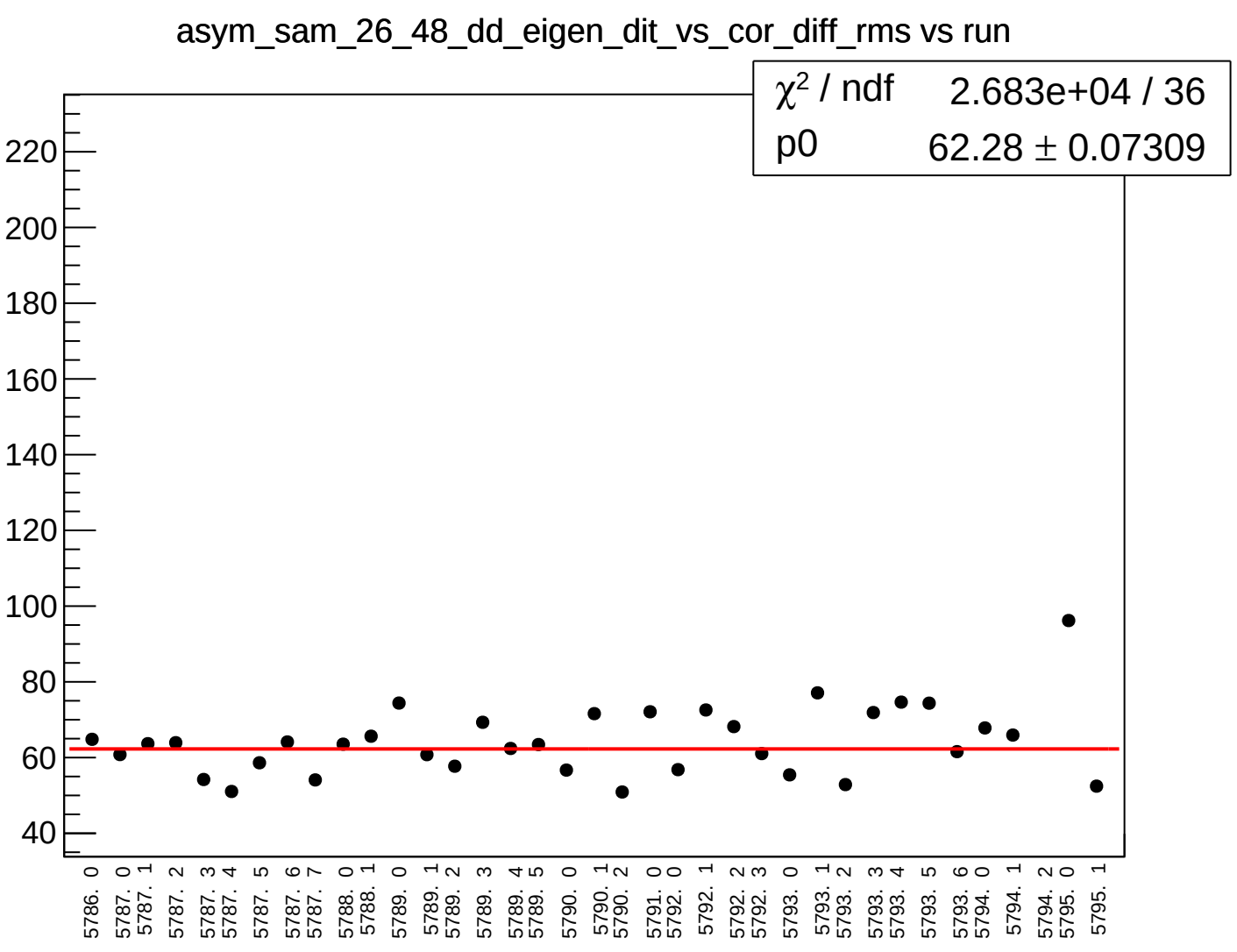

asym_sam_26_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 36
p0 62.28 ± 0.07309
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

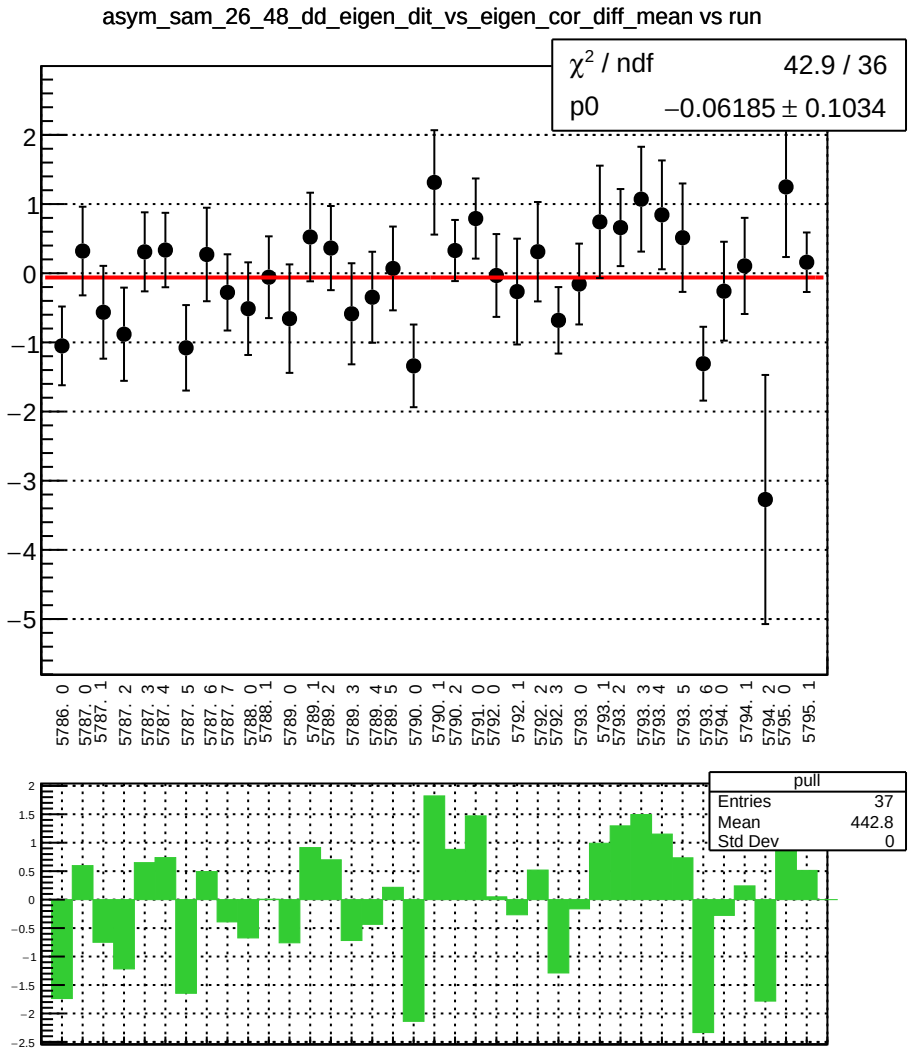

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.07 / 36
p0 −1.808e−05 ± 1.318e−05
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −28.29
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01488
Std Dev 1.014
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

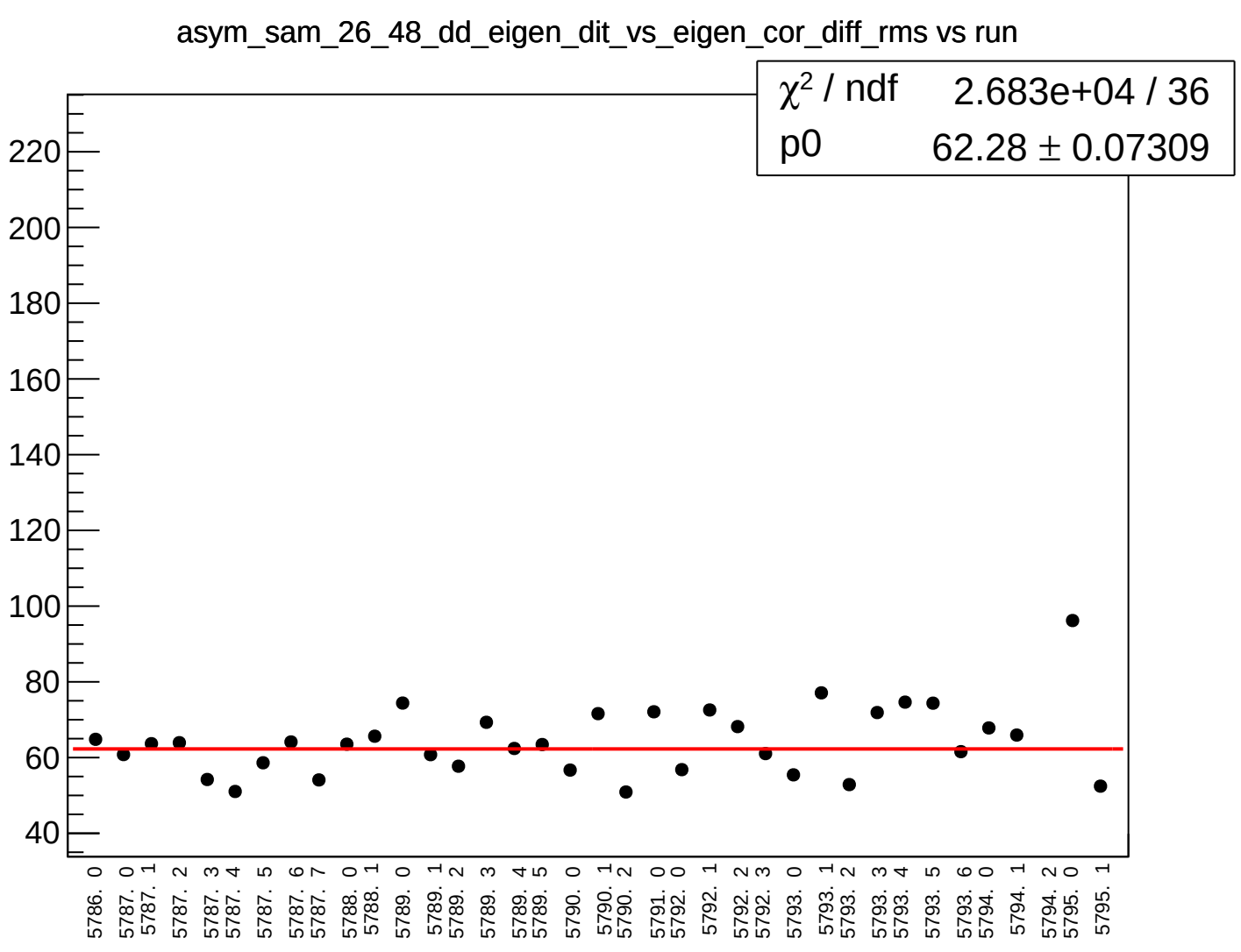

asym_sam_26_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3368 / 36
p0 0.008066 ± 9.317e−06
0.0095
0.009
0.0085
0.008
0.0075
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

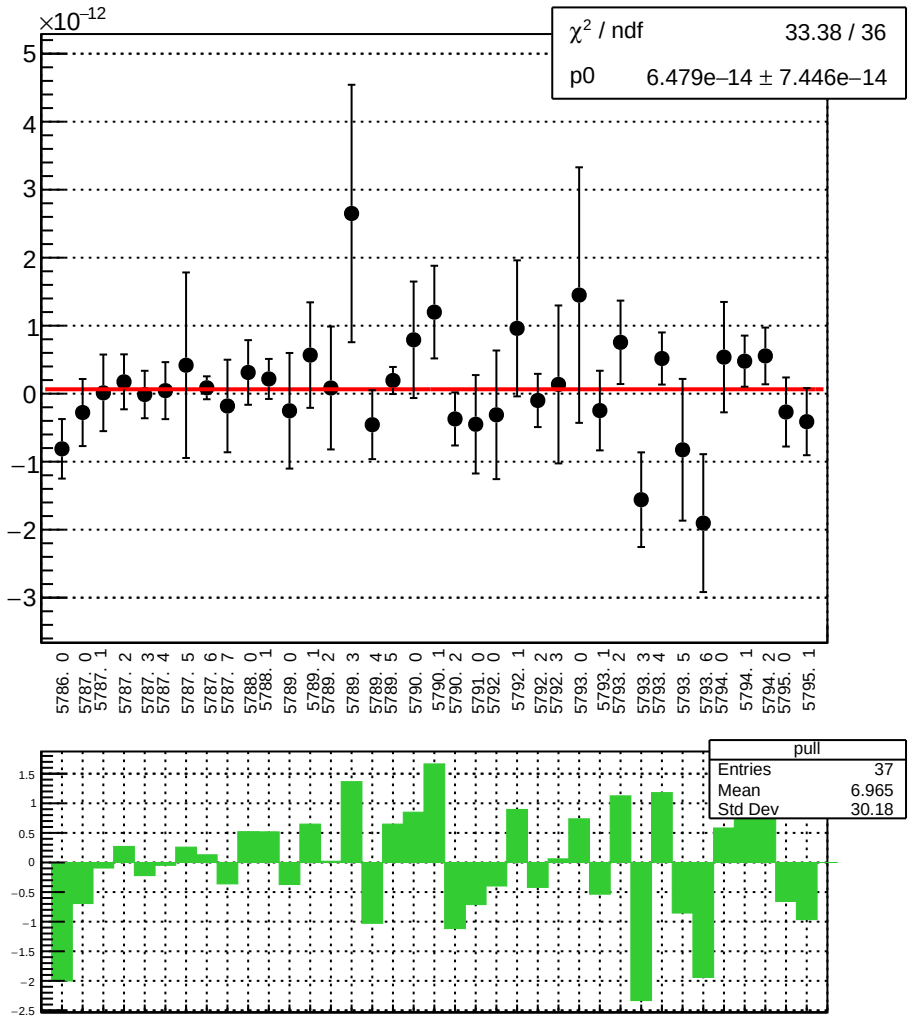

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 42.9 / 36
p0 −0.06185 ± 0.1034
pull
Entries 37
Mean 442.8
Std Dev 0

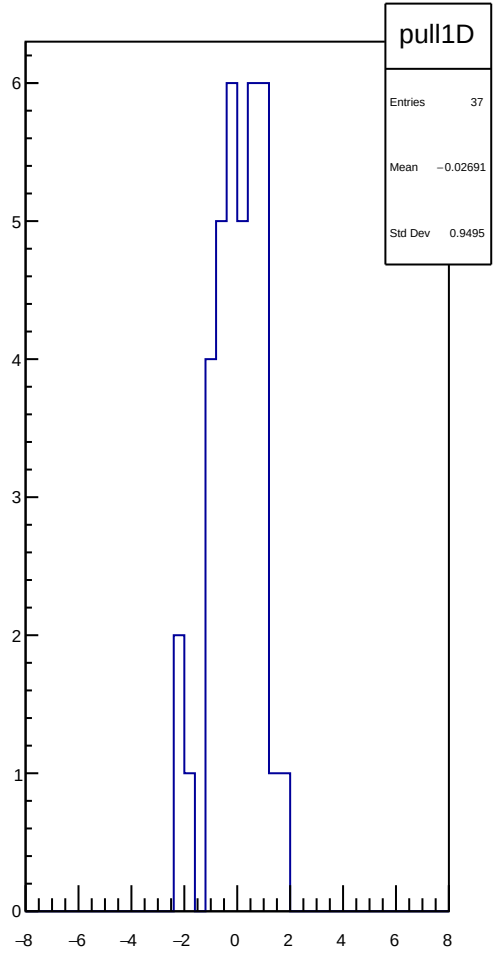

pull1D
Entries 37
Mean 0.005339
Std Dev 1.077

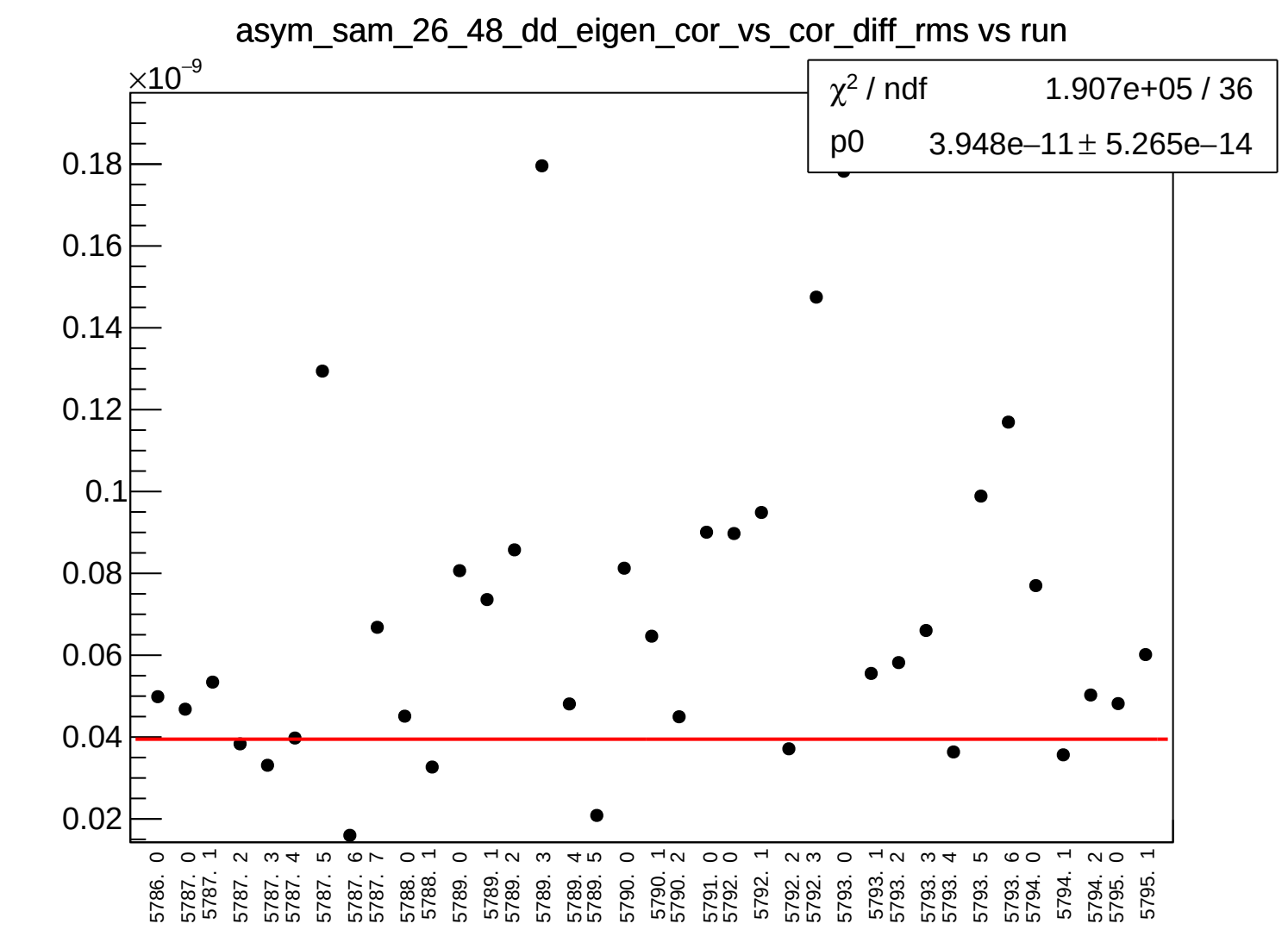

asym_sam_26_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 36
p0 62.28 ± 0.07309
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

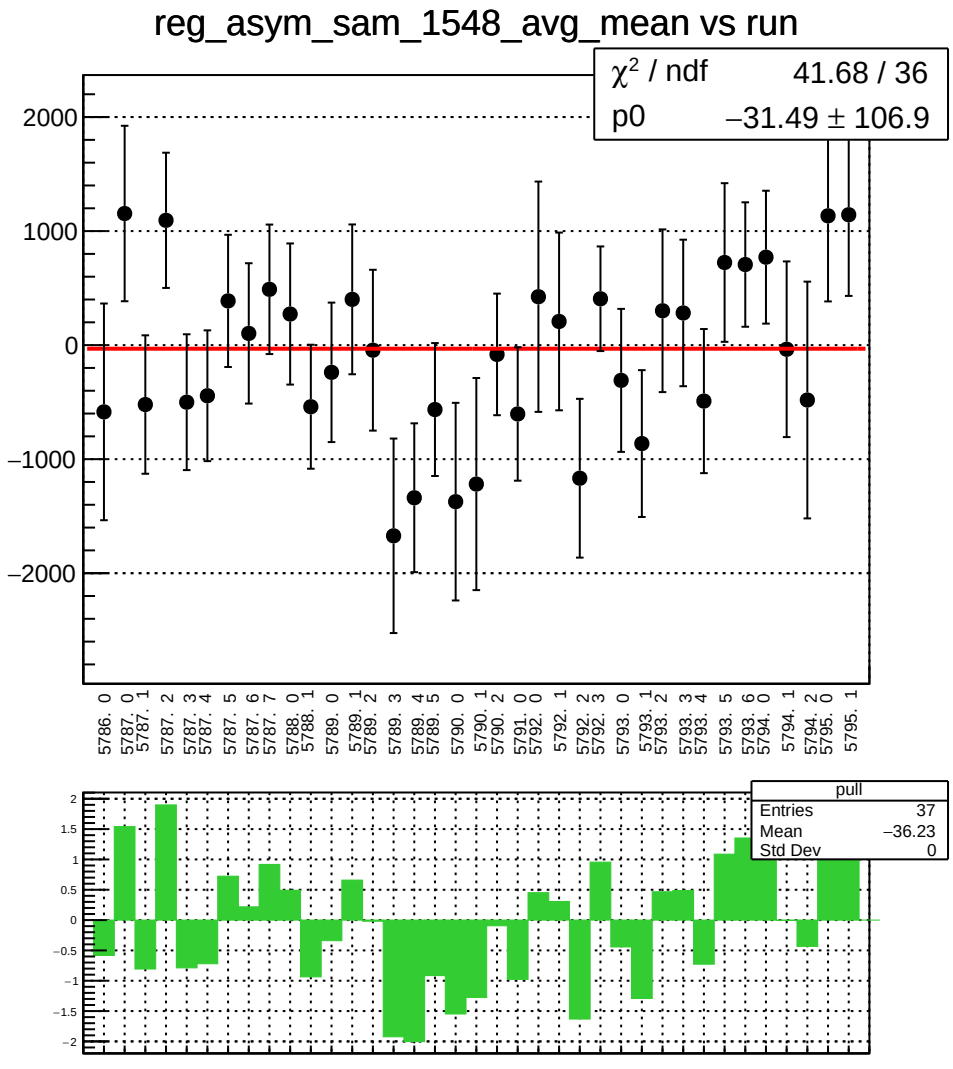

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 42.9 / 36
p0 −0.06185 ± 0.1034
pull
Entries 37
Mean 442.8
Std Dev 0
pull1D
Entries 37
Mean 0.005339
Std Dev 1.077

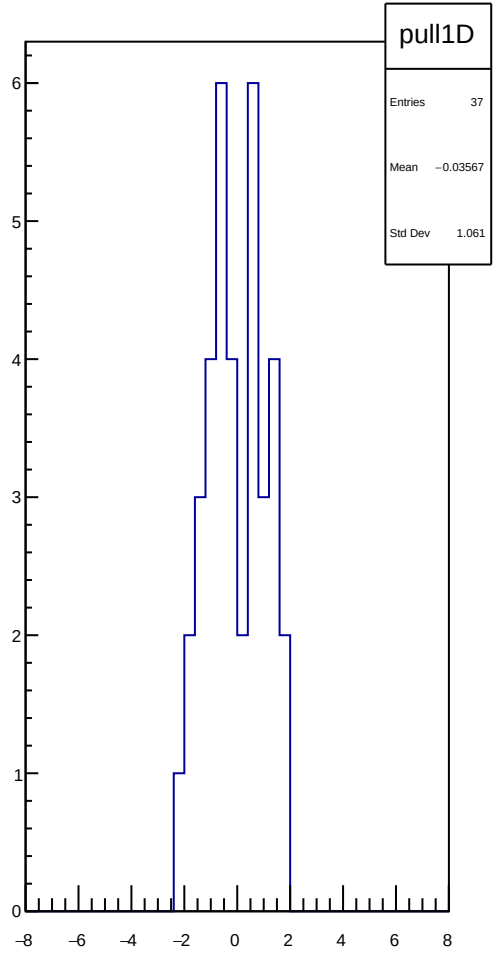

asym_sam_26_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.683e+04 / 36
p0 62.28 ± 0.07309
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

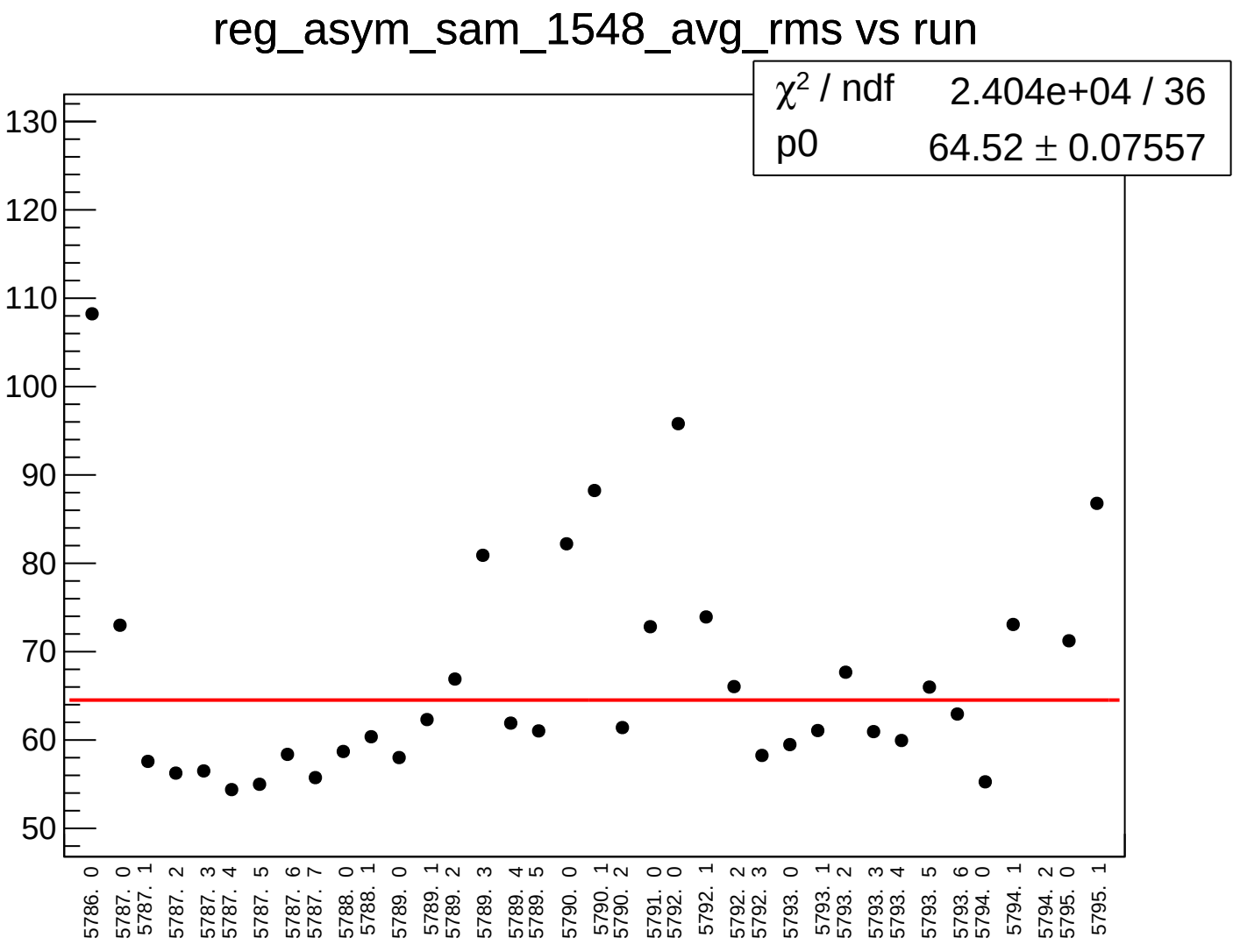

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.38 / 36
p0 6.479e−14 ± 7.446e−14
pull
Entries 37
Mean 6.965
Std Dev 30.18

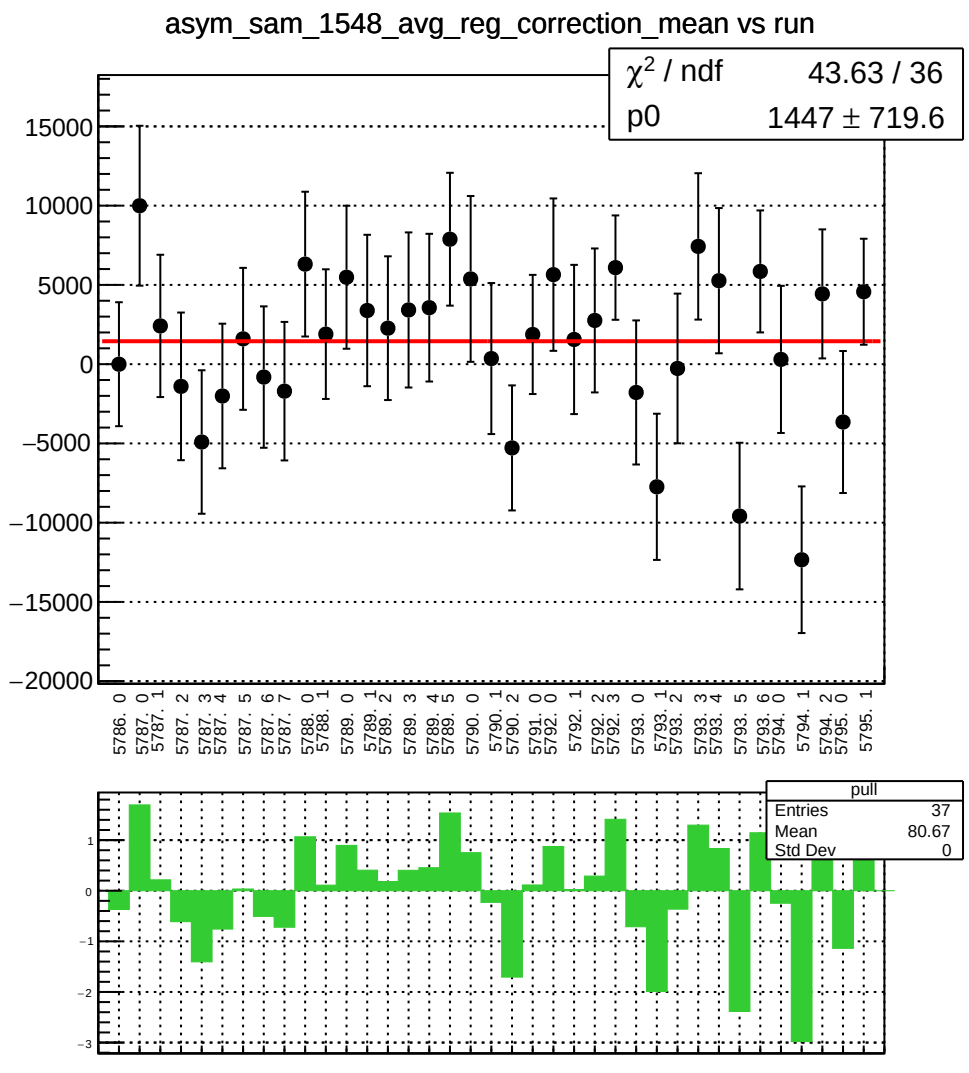

pull1D
Entries 37
Mean −0.02691
Std Dev 0.9495

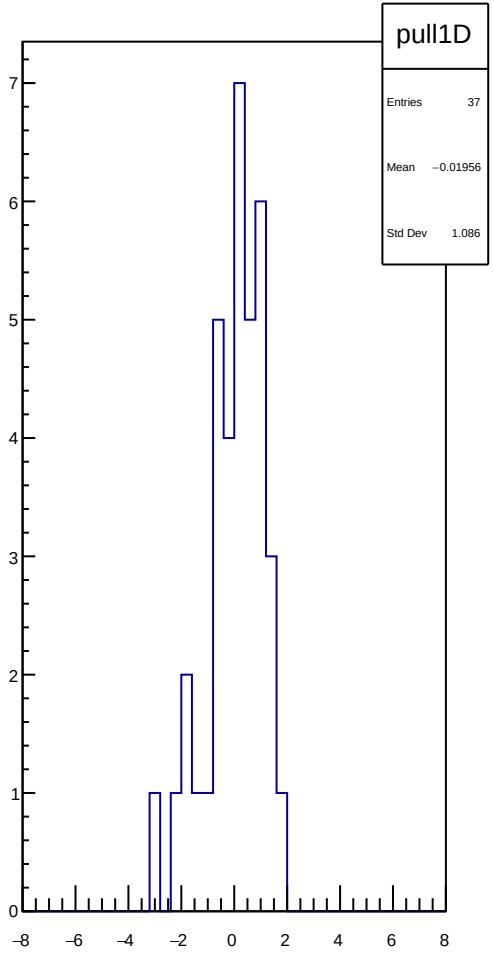

asym_sam_26_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.907e+05 / 36
p0 3.948e−11 ± 5.265e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

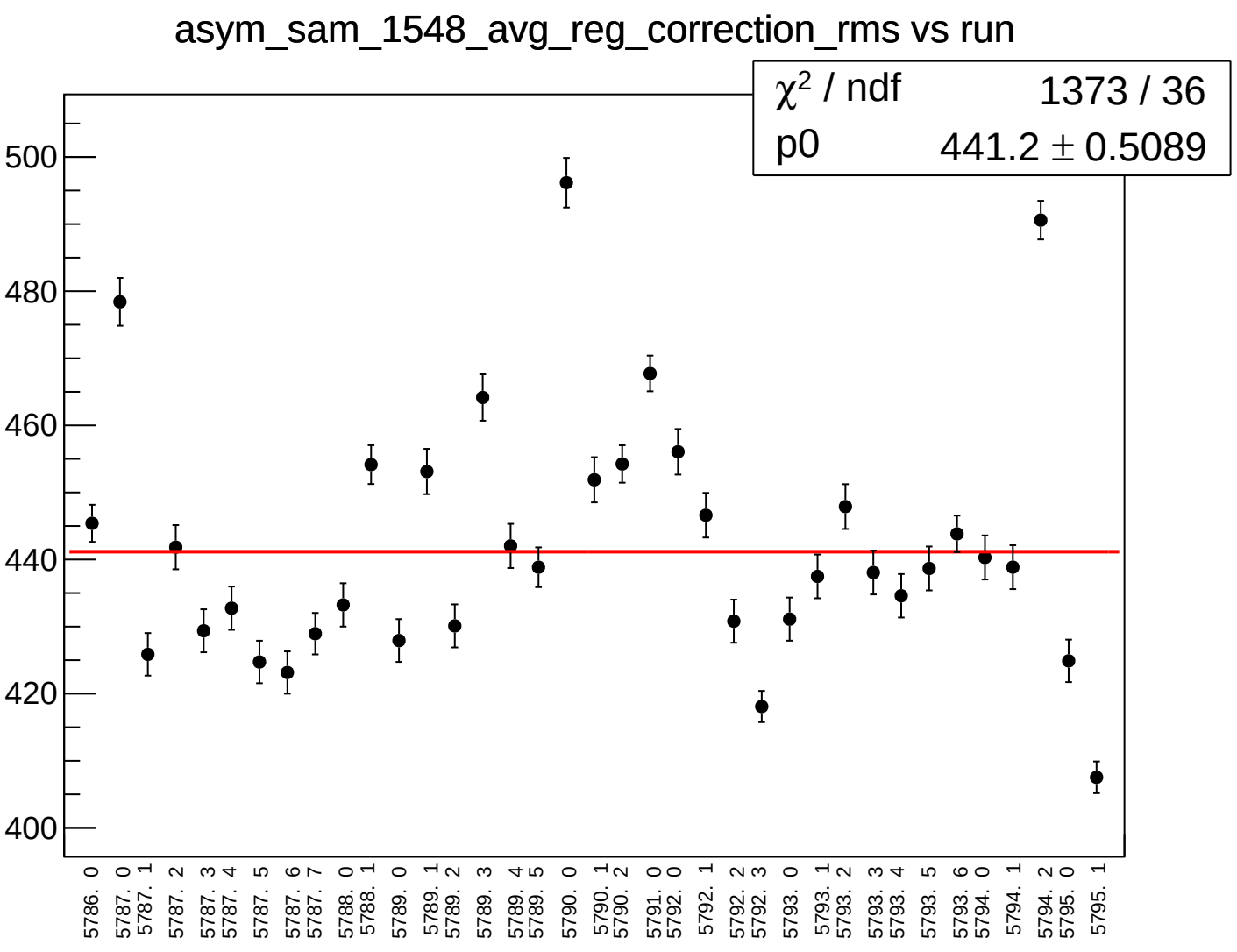

reg_asym_sam_1548_avg_mean vs run
χ² / ndf 41.68 / 36
p0 −31.49 ± 106.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.23
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.03567
Std Dev 1.061
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_1548_avg_rms vs run
χ² / ndf 2.404e+04 / 36
p0 64.52 ± 0.07557
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_1548_avg_reg_correction_mean vs run
χ² / ndf 43.63 / 36
p0 1447 ± 719.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.67
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.01956
Std Dev 1.086
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 1373 / 36
p0 441.2 ± 0.5089
500
480
460
440
420
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
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5793. 6
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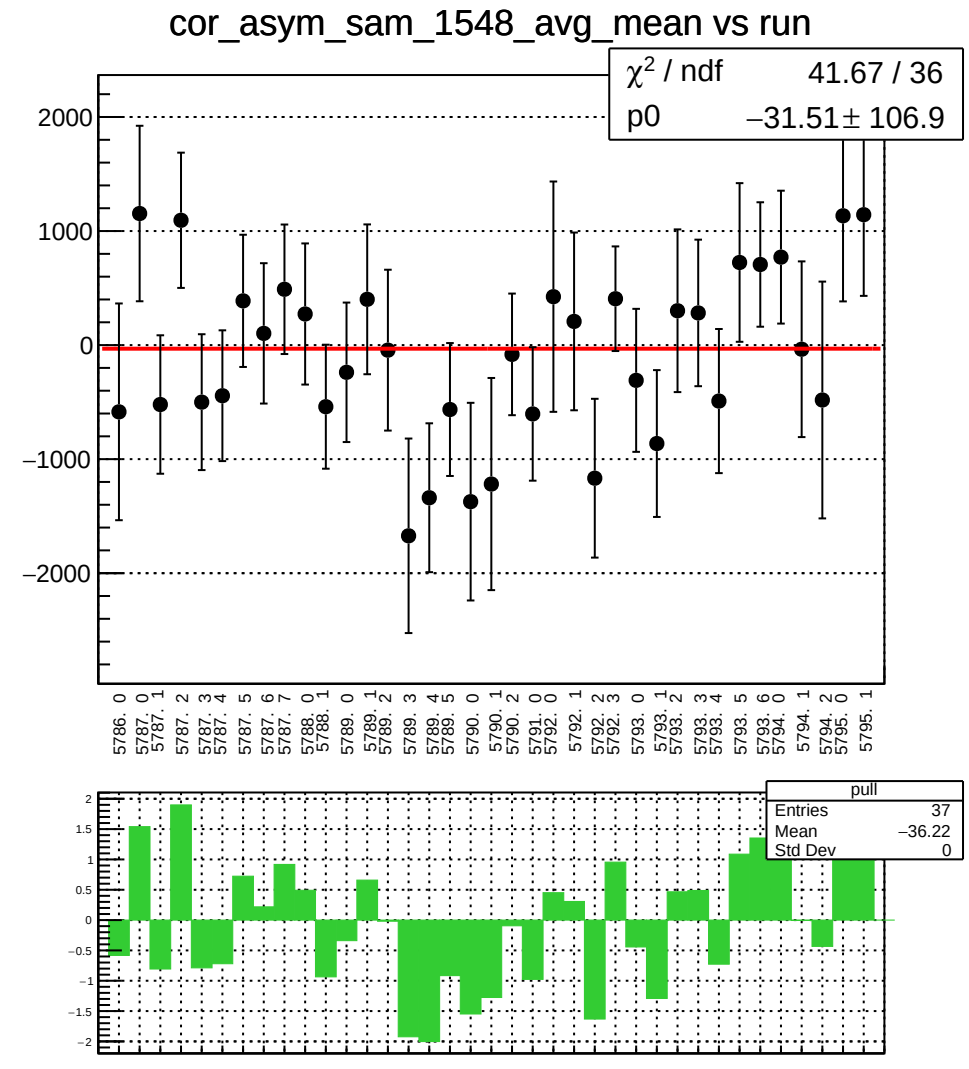
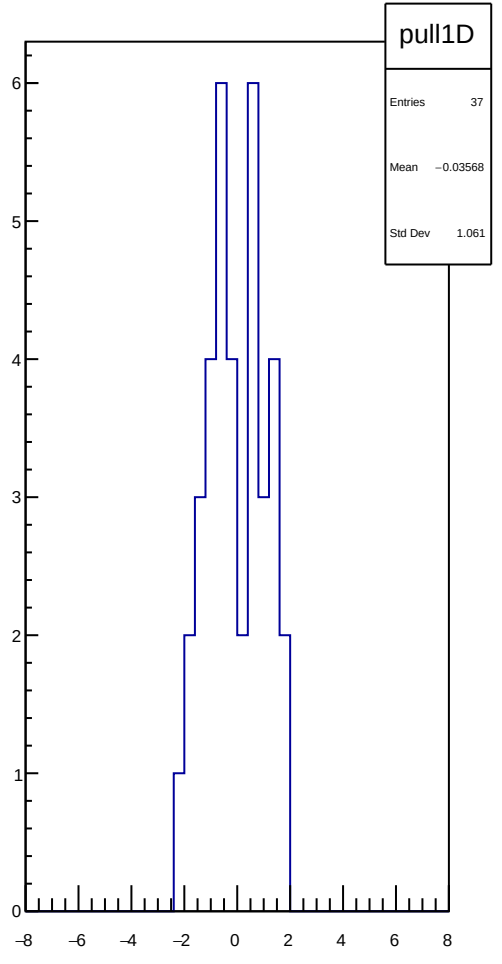
5794. 2
5795. 0
5795. 1


cor_asym_sam_1548_avg_mean vs run
χ² / ndf 41.67 / 36
p0 −31.51 ± 106.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.03568
Std Dev 1.061
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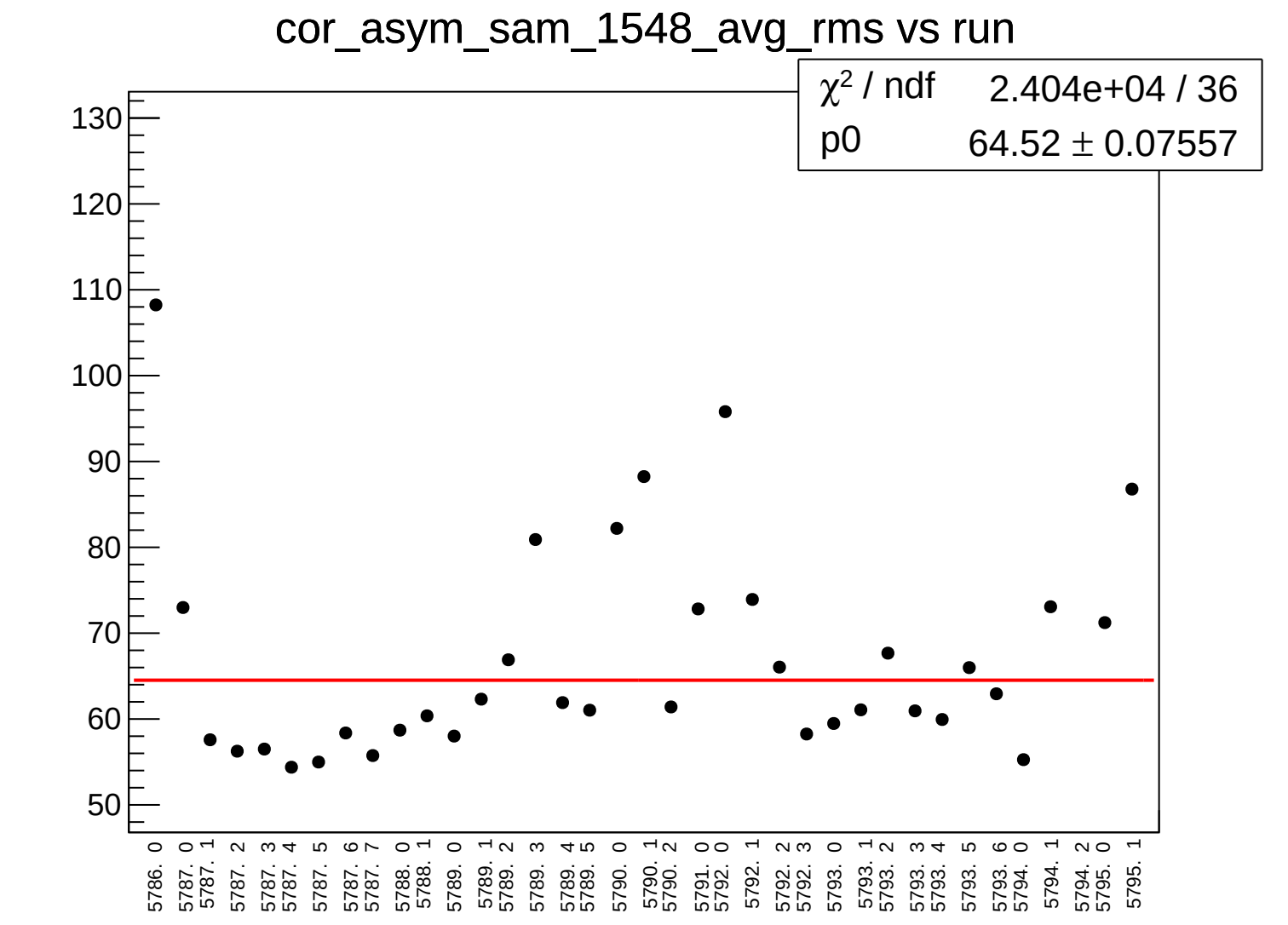
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2.404e+04 / 36
p0 64.52 ± 0.07557
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 4
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
5793. 1
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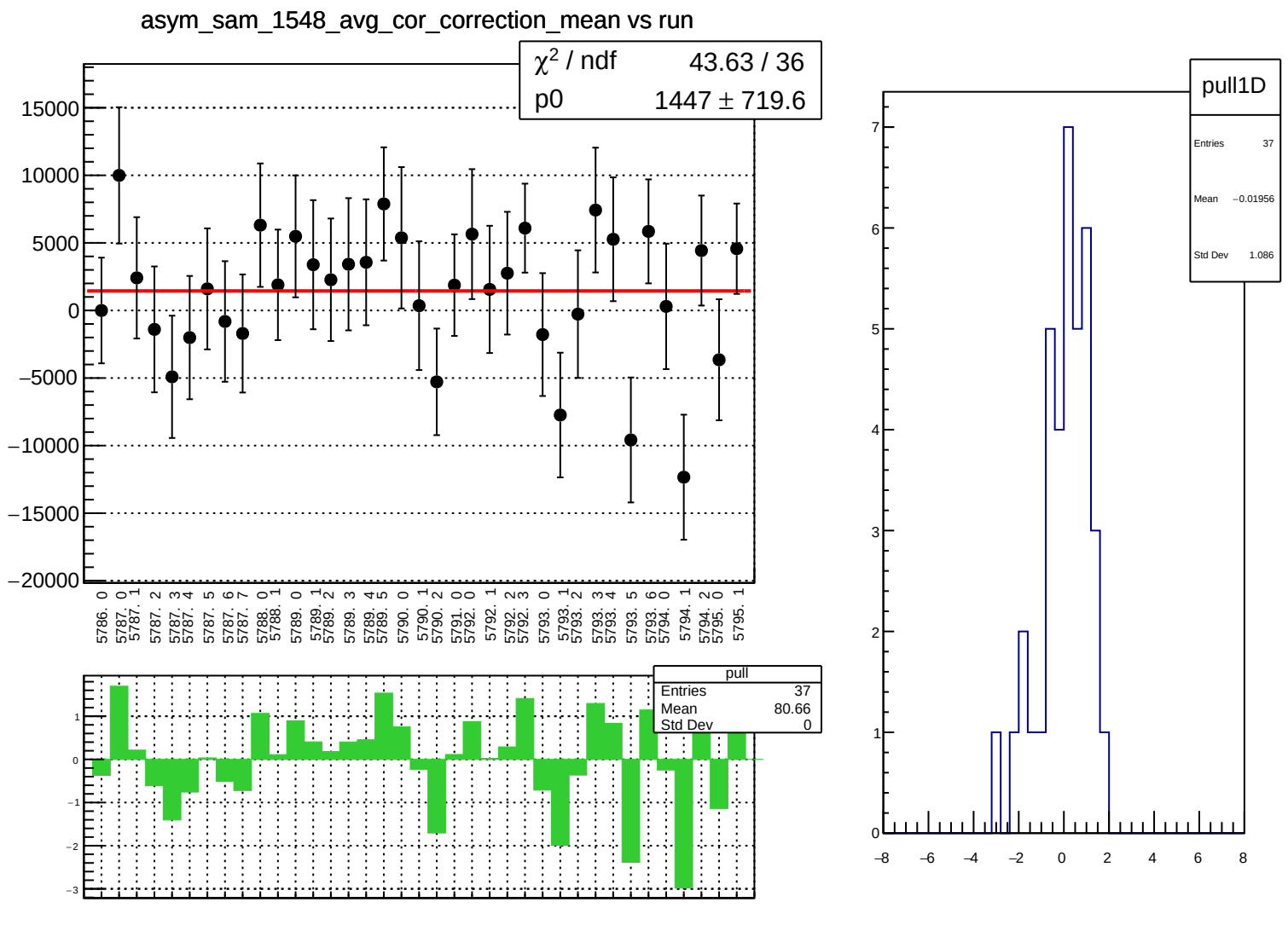
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_1548_avg_cor_correction_mean vs run
χ² / ndf 43.63 / 36
p0 1447 ± 719.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
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5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
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5793. 0
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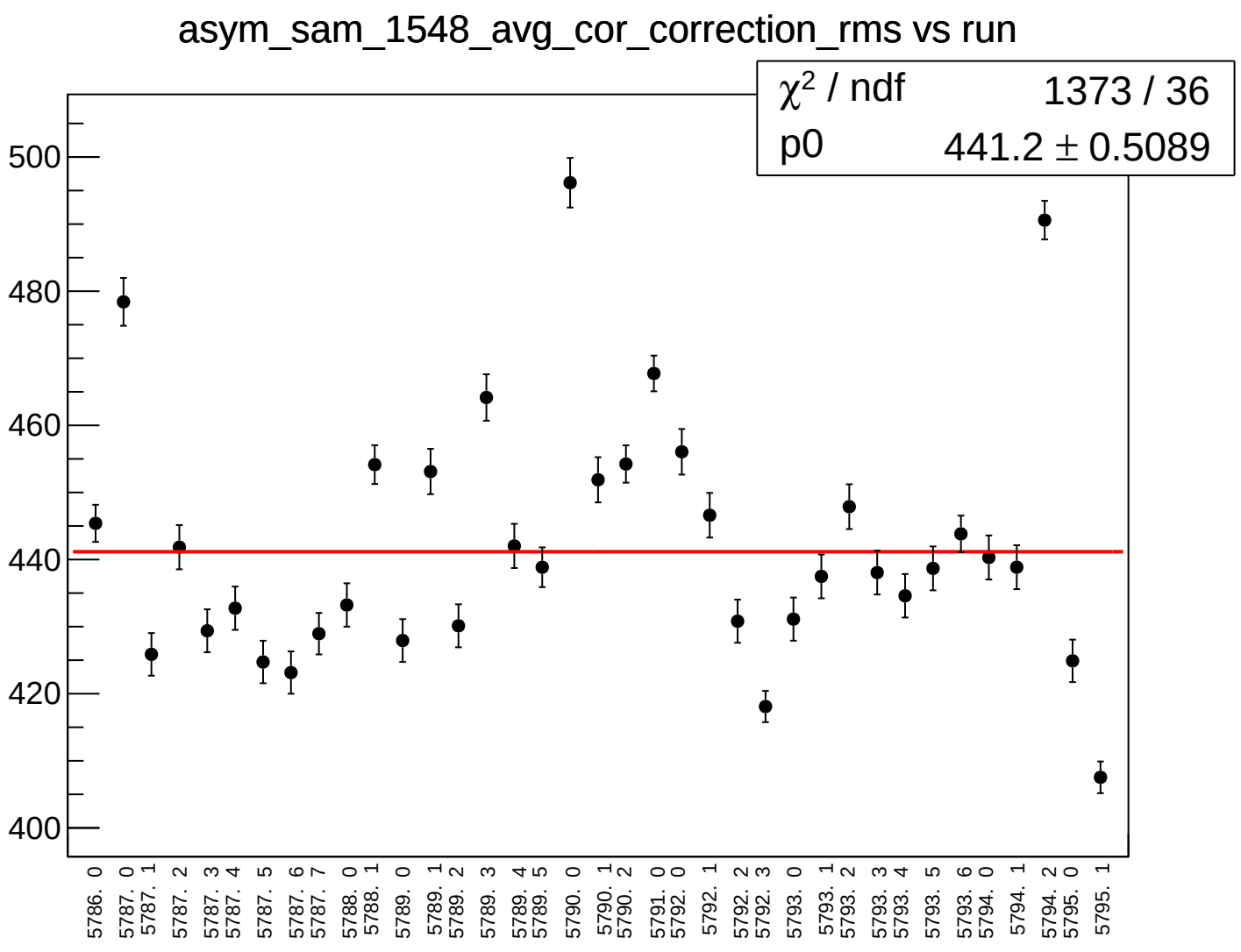
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.66
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01956
Std Dev 1.086
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_cor_correction_rms vs run
χ² / ndf 1373 / 36
p0 441.2 ± 0.5089
500
480
460
440
420
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
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5789. 4
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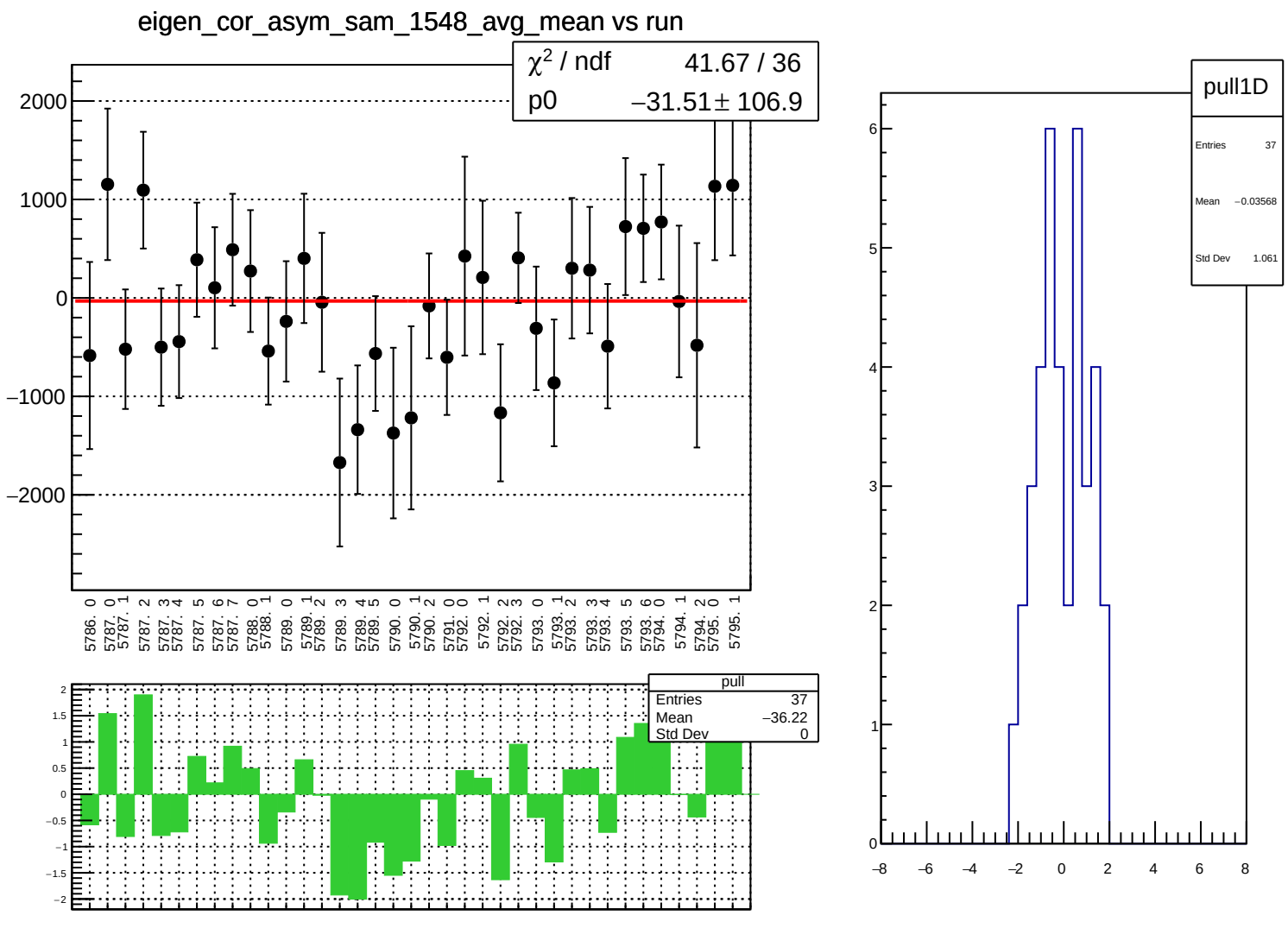
5795. 1


eigen_cor_asym_sam_1548_avg_mean vs run
χ² / ndf 41.67 / 36
p0 −31.51 ± 106.9
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5790. 2
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5793. 0
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5793. 2
5793. 3
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5793. 6
5794. 0
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5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.22
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03568
Std Dev 1.061
6
5
4
3
2
1
0
−8
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−4
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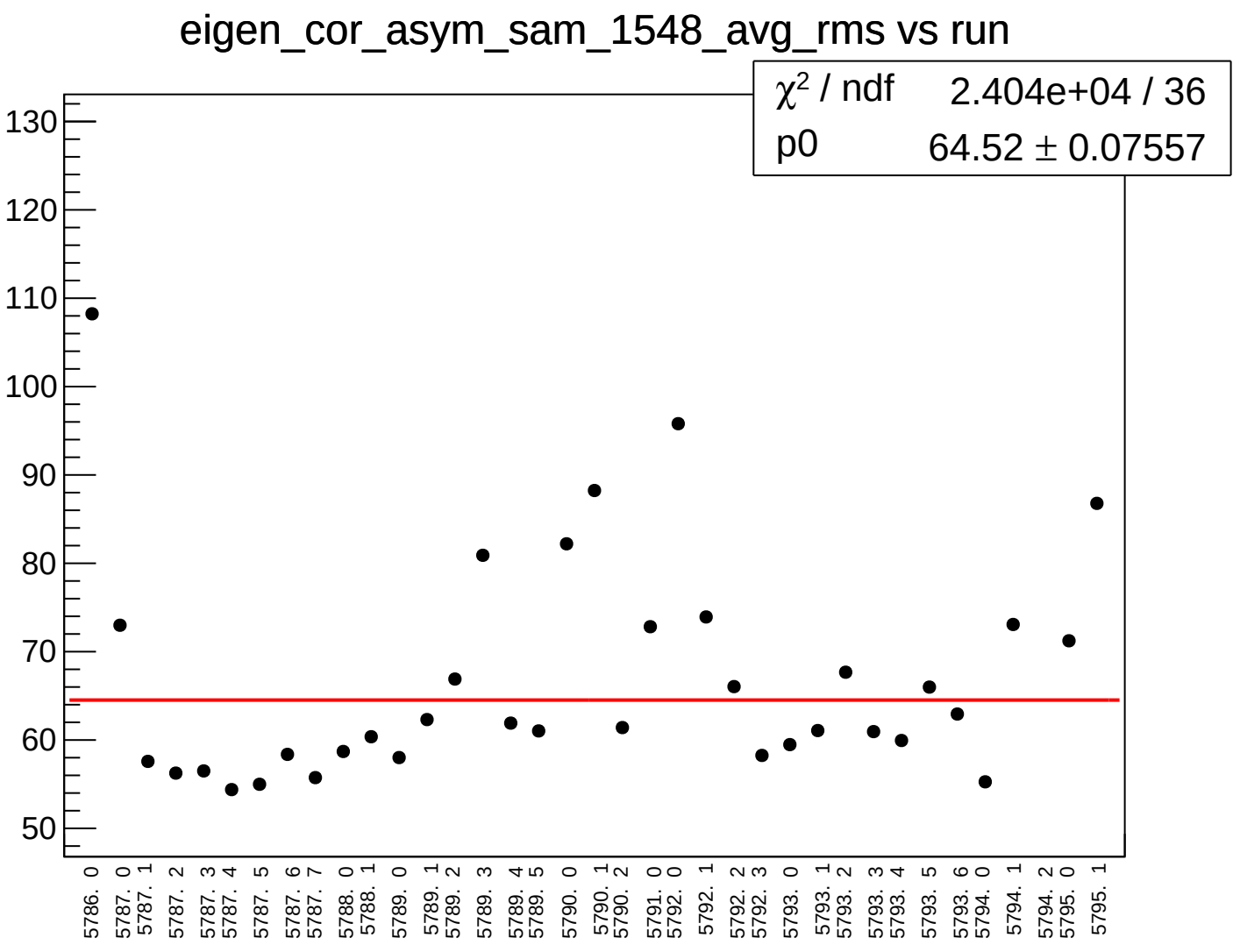
2
4
6
8


eigen_cor_asym_sam_1548_avg_rms vs run
χ² / ndf 2.404e+04 / 36
p0 64.52 ± 0.07557
130
120
110
100
90
80
70
60
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 0
5789. 1
5789. 2
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5790. 1
5790. 2
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5792. 0
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5792. 2
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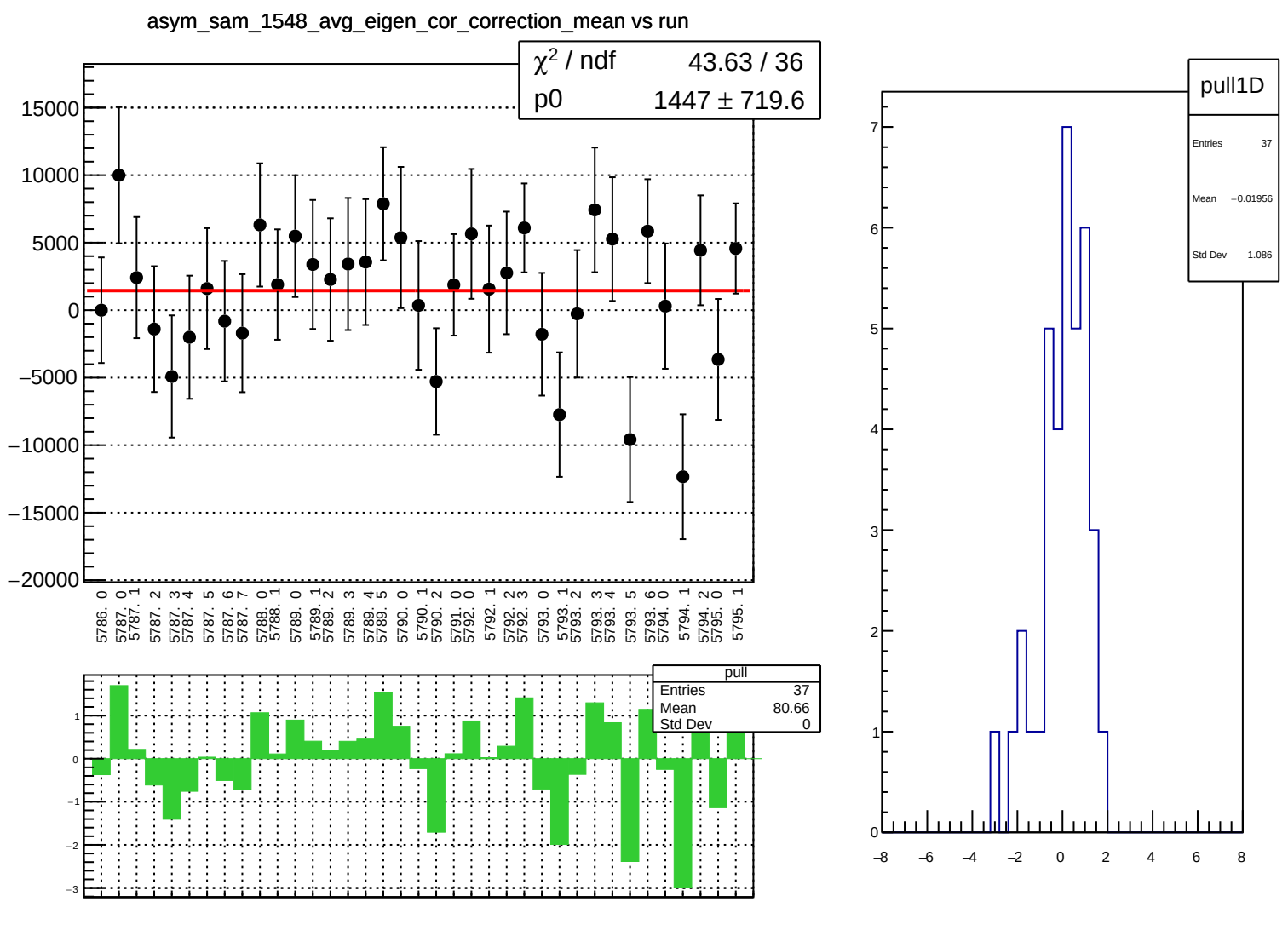
5795. 1


asym_sam_1548_avg_eigen_cor_correction_mean vs run
χ² / ndf 43.63 / 36
p0 1447 ± 719.6
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.66
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01956
Std Dev 1.086
7
6
5
4
3
2
1
0
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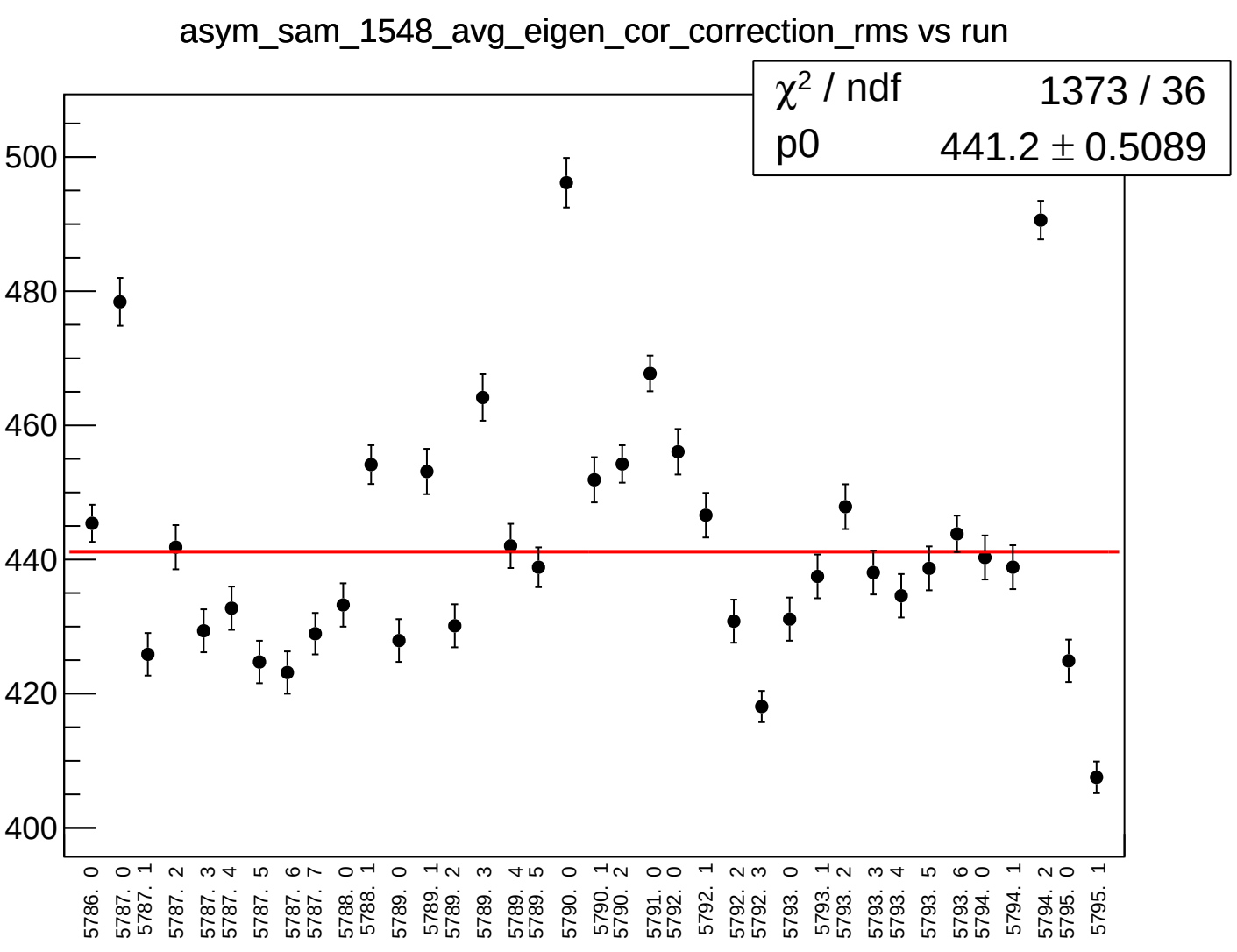
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_eigen_cor_correction_rms vs run
χ² / ndf 1373 / 36
p0 441.2 ± 0.5089
500
480
460
440
420
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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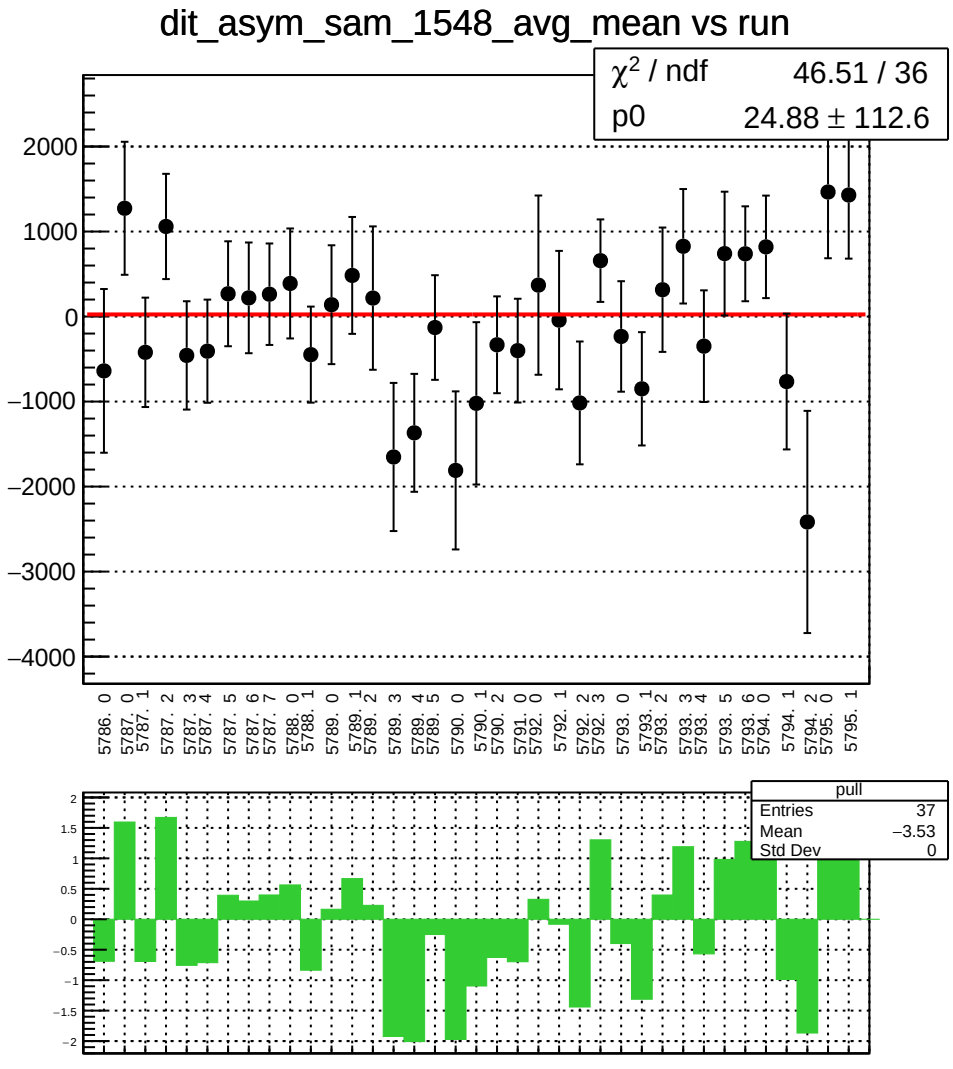
5794. 2
5795. 0
5795. 1


dit_asym_sam_1548_avg_mean vs run
χ² / ndf 46.51 / 36
p0 24.88 ± 112.6
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
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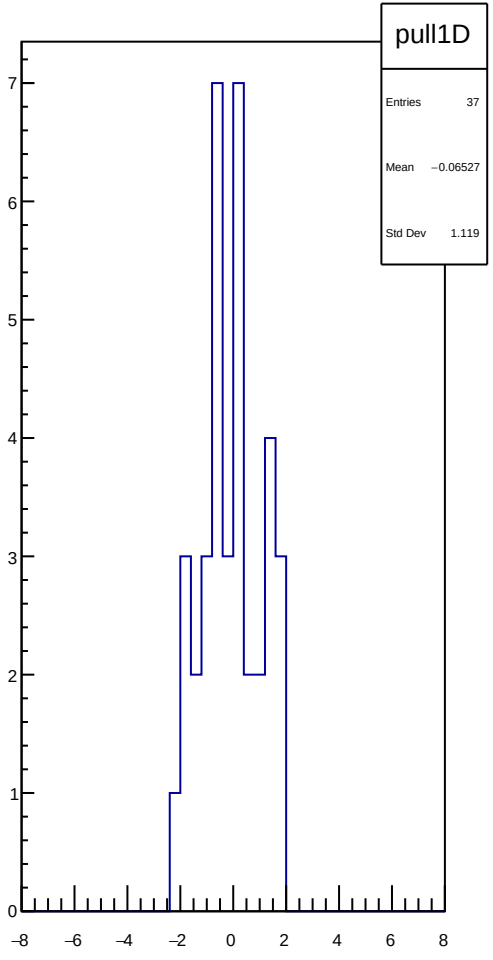
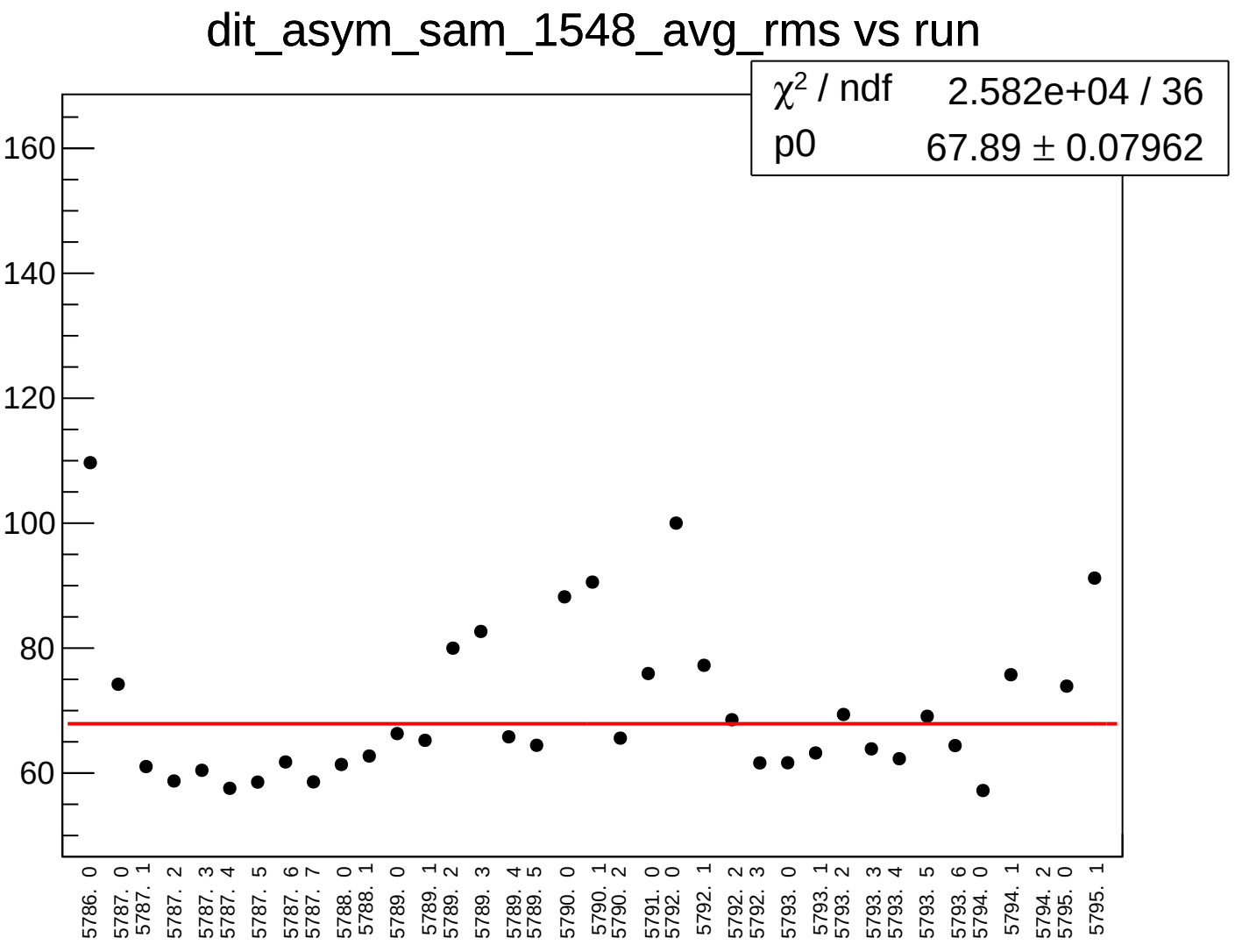
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.06527
Std Dev 1.119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.582e+04 / 36
p0 67.89 ± 0.07962
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5794. 0
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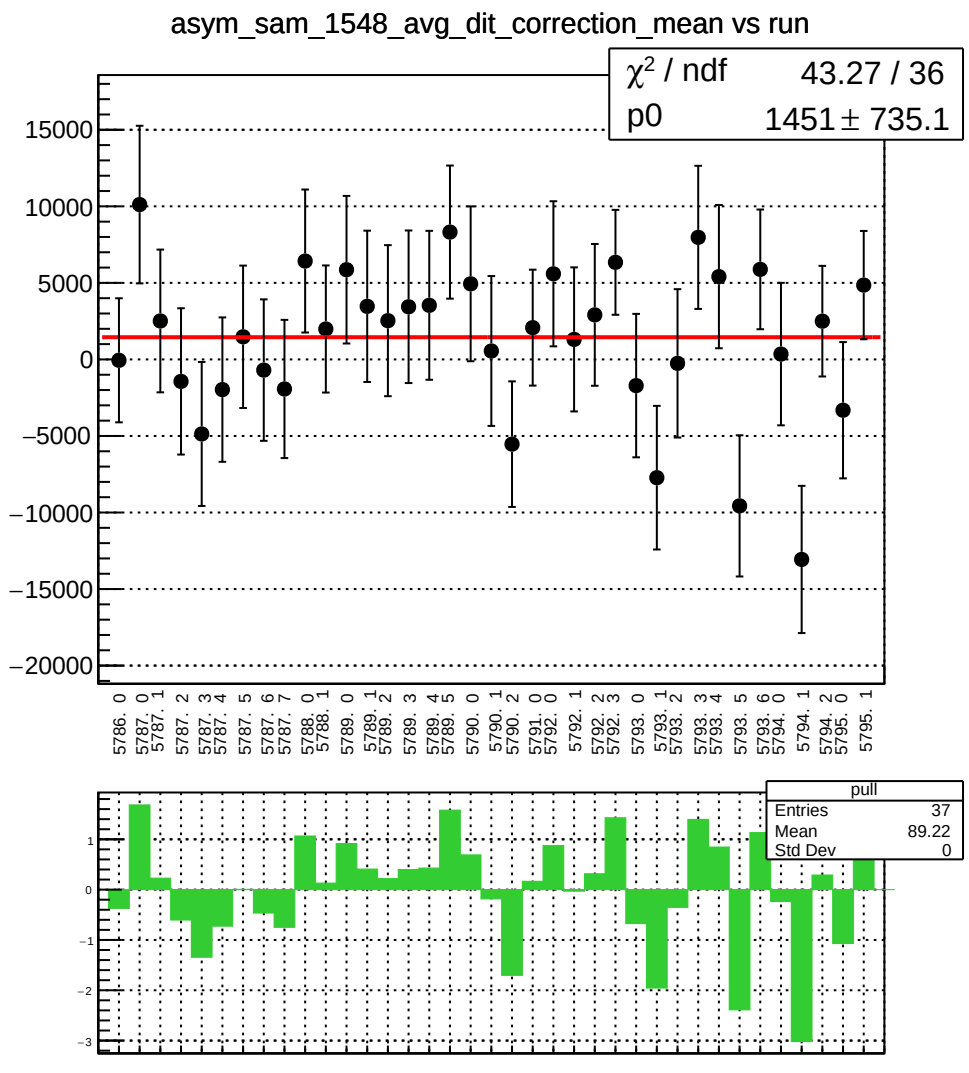
5795. 0
5795. 1


asym_sam_1548_avg_dit_correction_mean vs run
χ² / ndf 43.27 / 36
p0 1451 ± 735.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
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5790. 2
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5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
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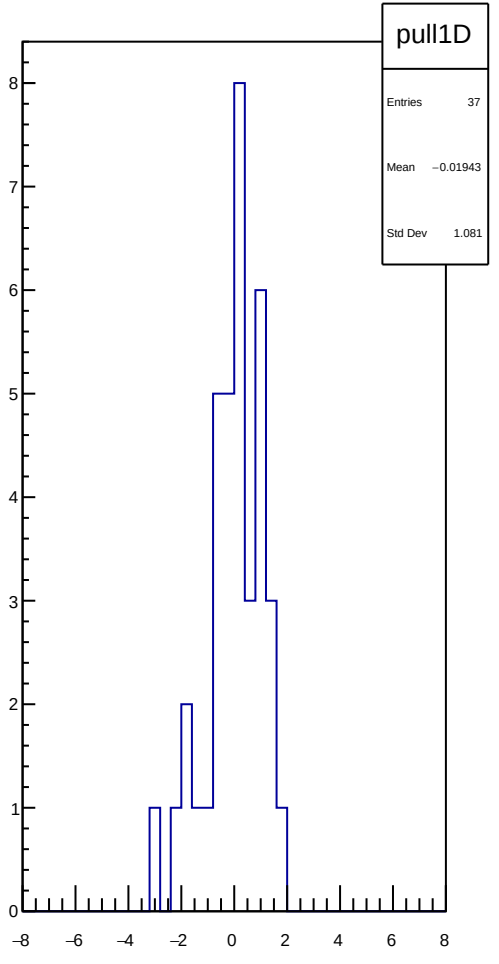
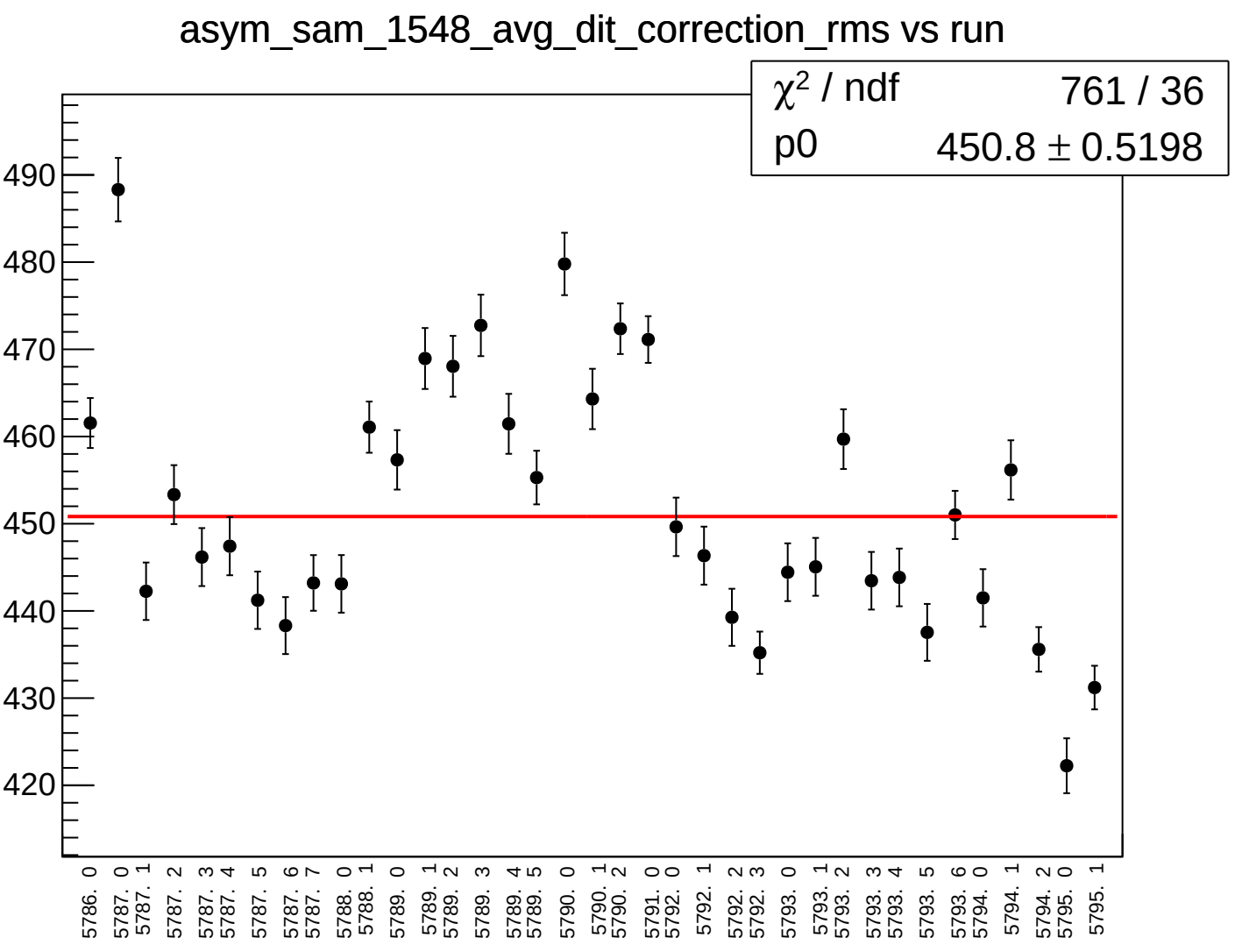
5795. 0
5795. 1
pull
Entries 37
Mean 89.22
Std Dev 0
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.01943
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_1548_avg_dit_correction_rms vs run
χ² / ndf 761 / 36
p0 450.8 ± 0.5198
490
480
470
460
450
440
430
420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
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5793. 1
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5794. 0
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5795. 0
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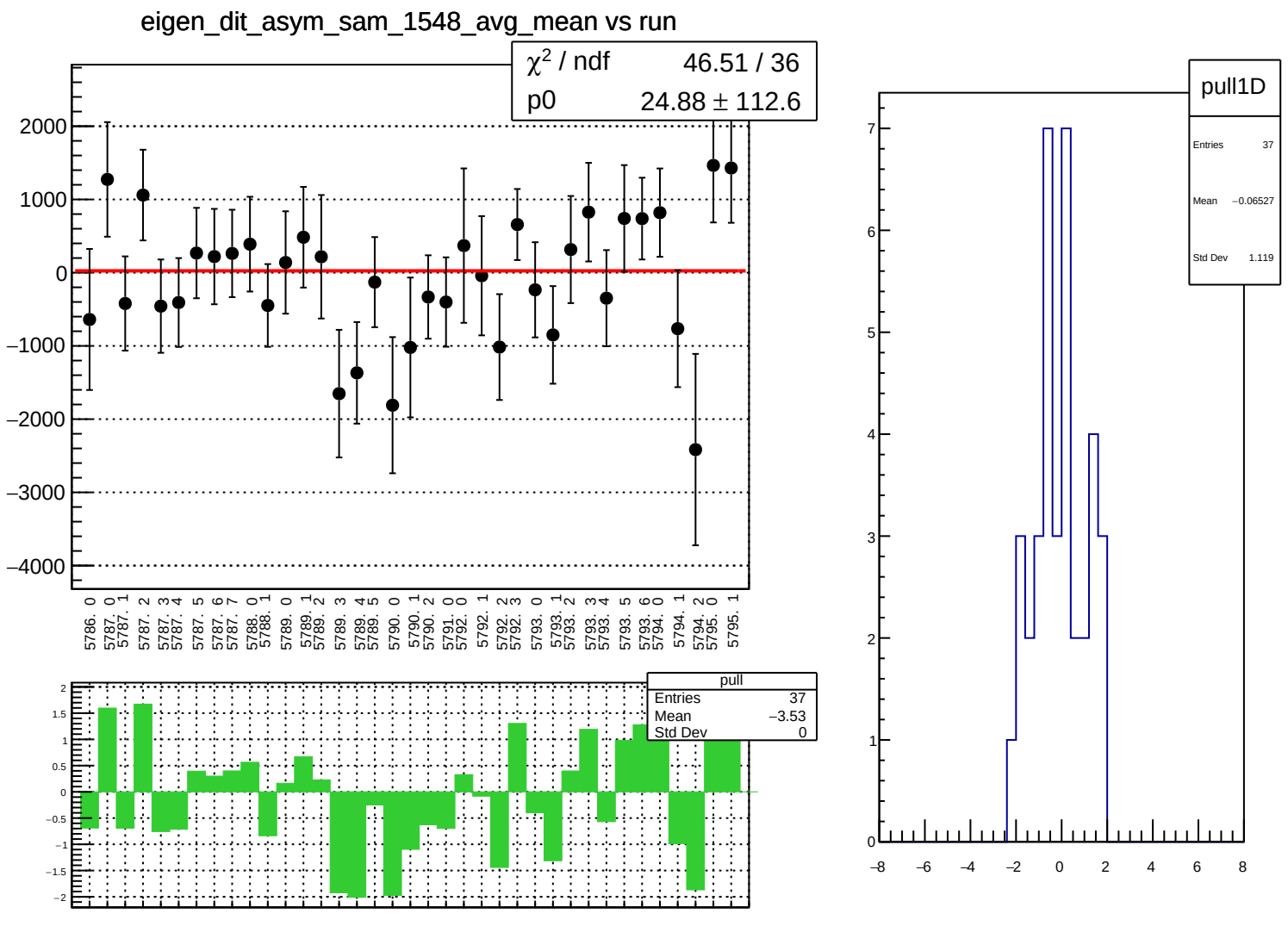
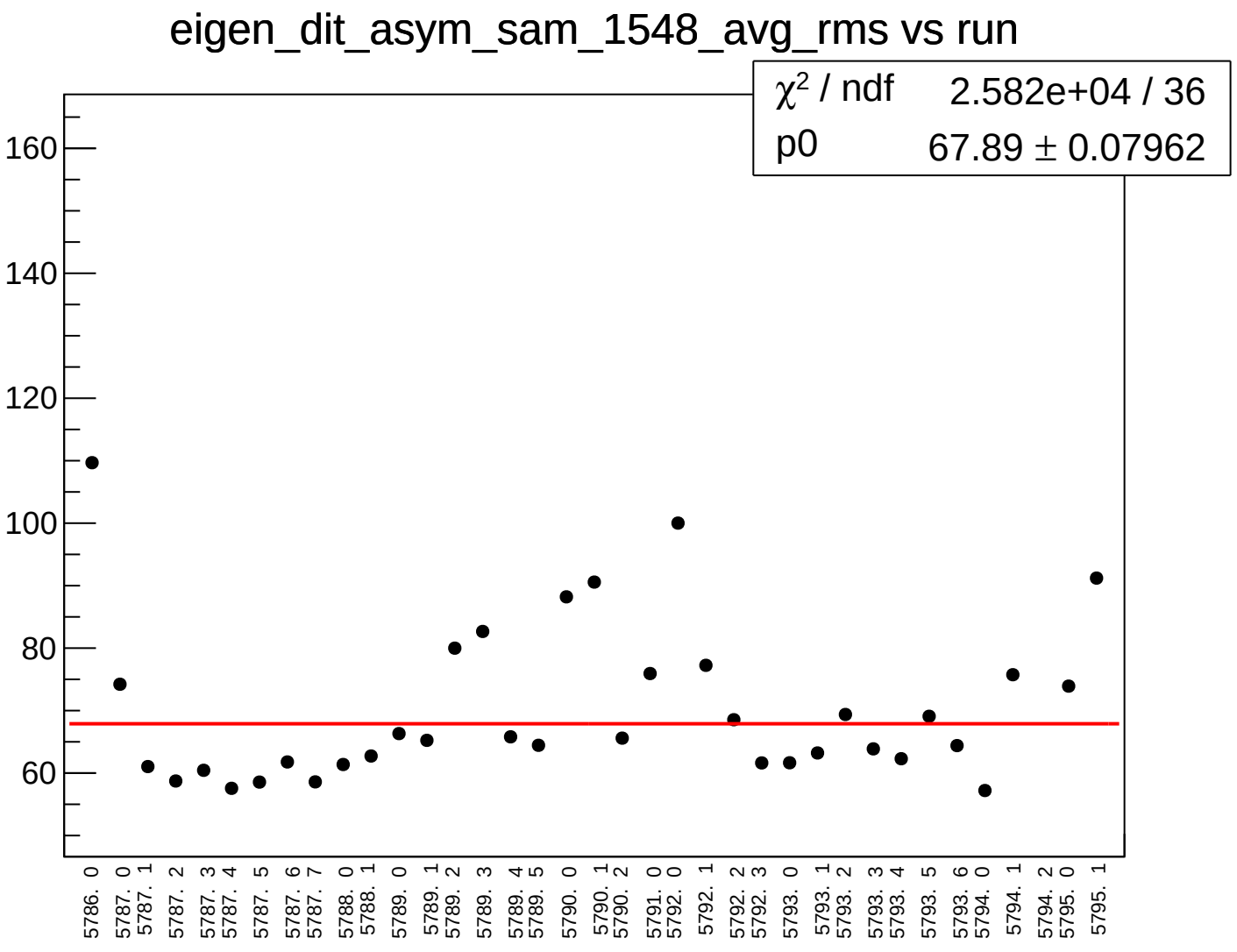

eigen_dit_asym_sam_1548_avg_mean vs run
χ² / ndf 46.51 / 36
p0 24.88 ± 112.6
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.53
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.06527
Std Dev 1.119
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_1548_avg_rms vs run
χ² / ndf 2.582e+04 / 36
p0 67.89 ± 0.07962
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
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5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
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5793. 1
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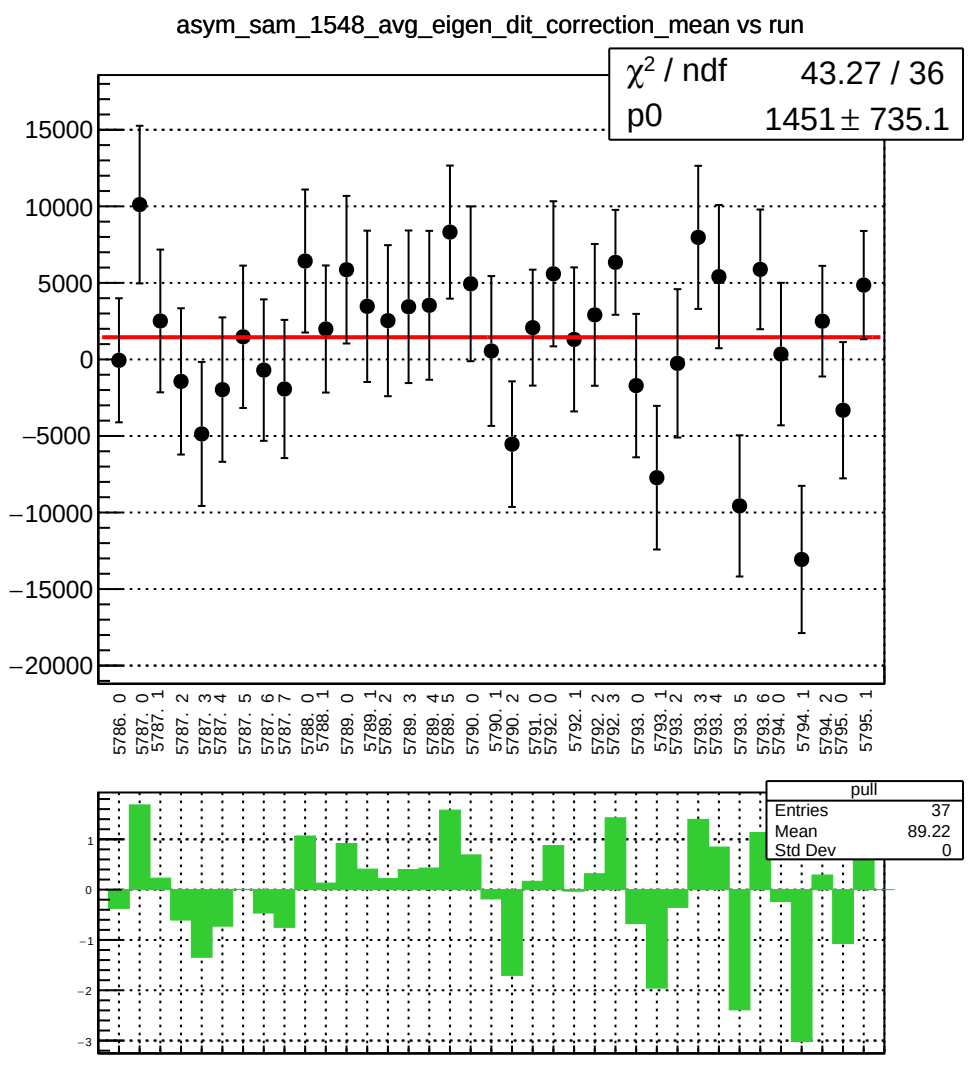
asym_sam_1548_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.27 / 36
p0 1451 ± 735.1
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
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5789. 0
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5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
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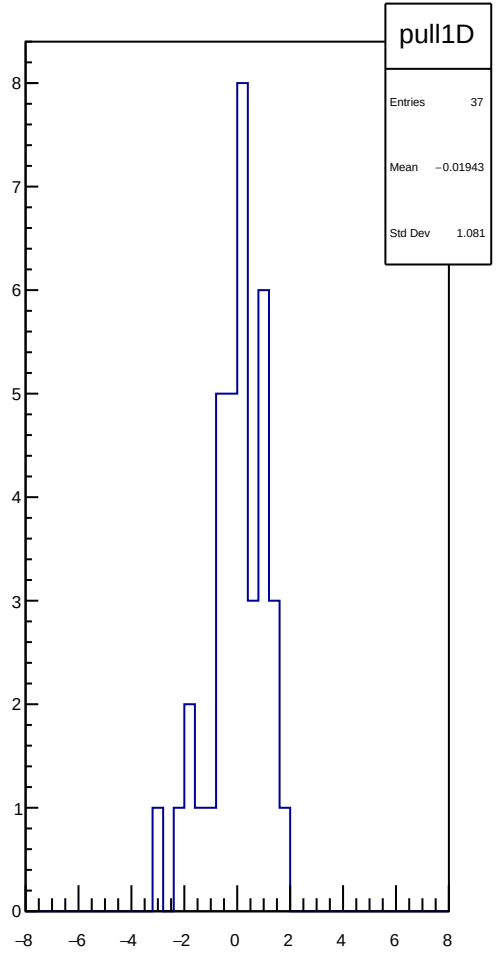
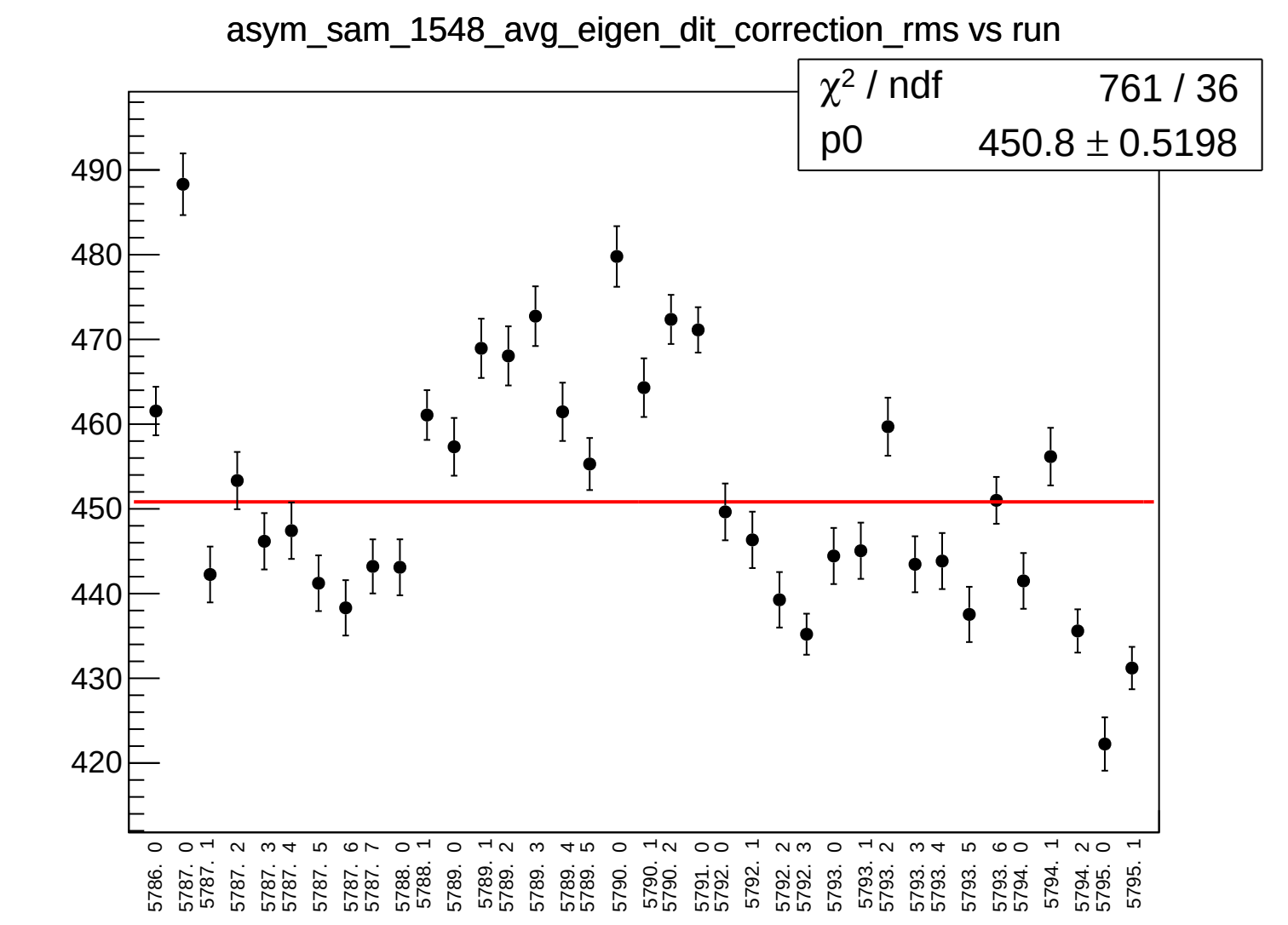
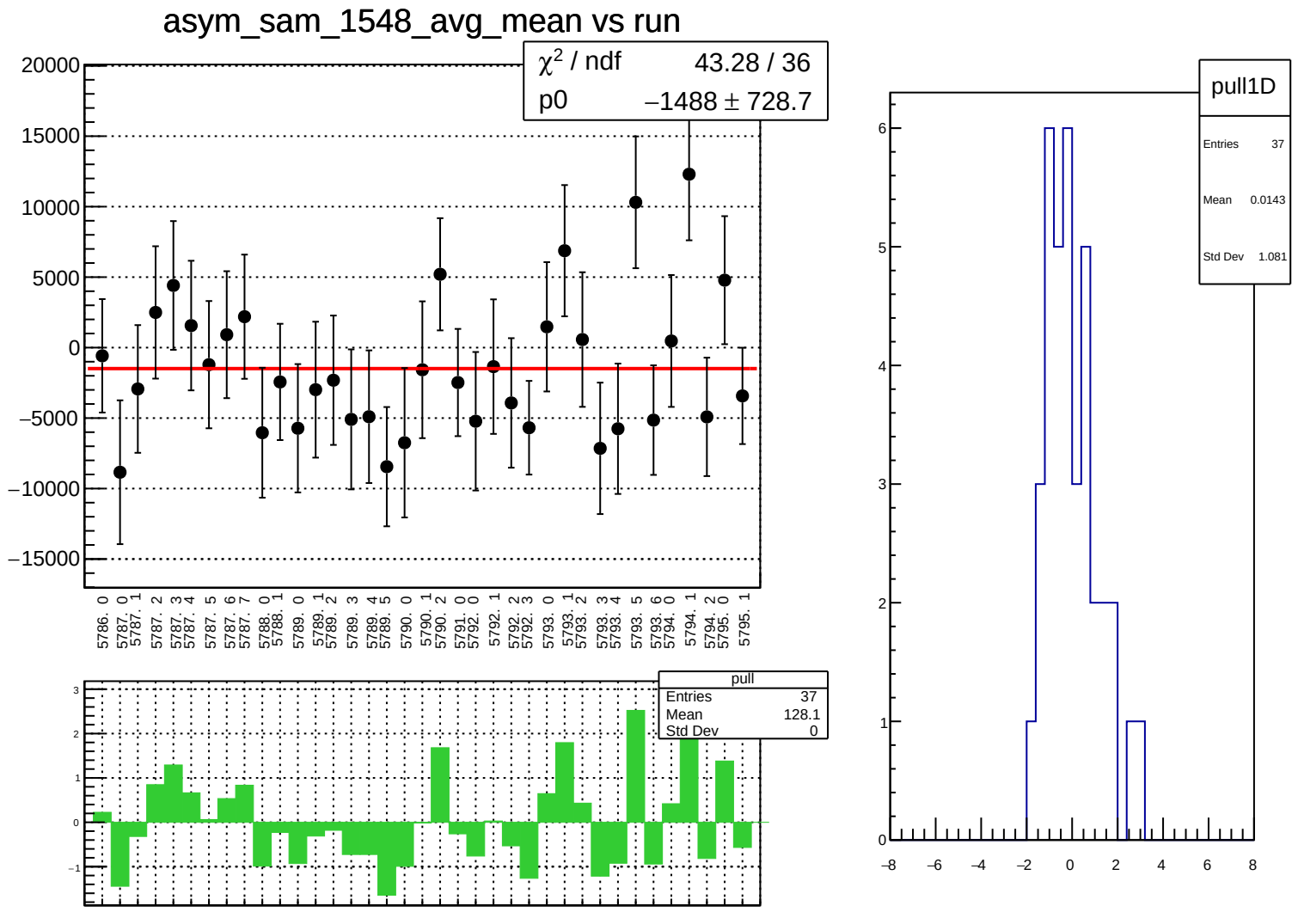
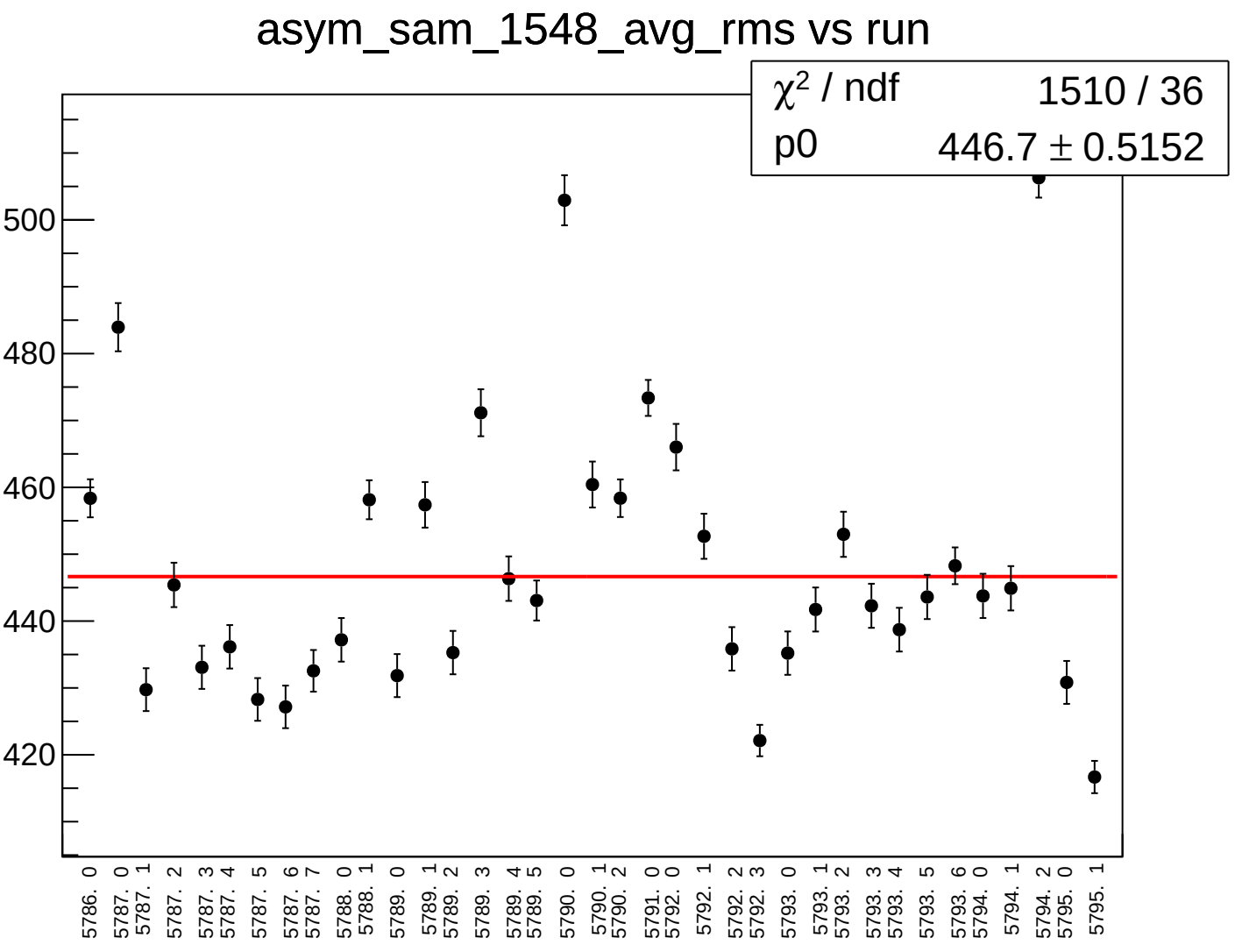
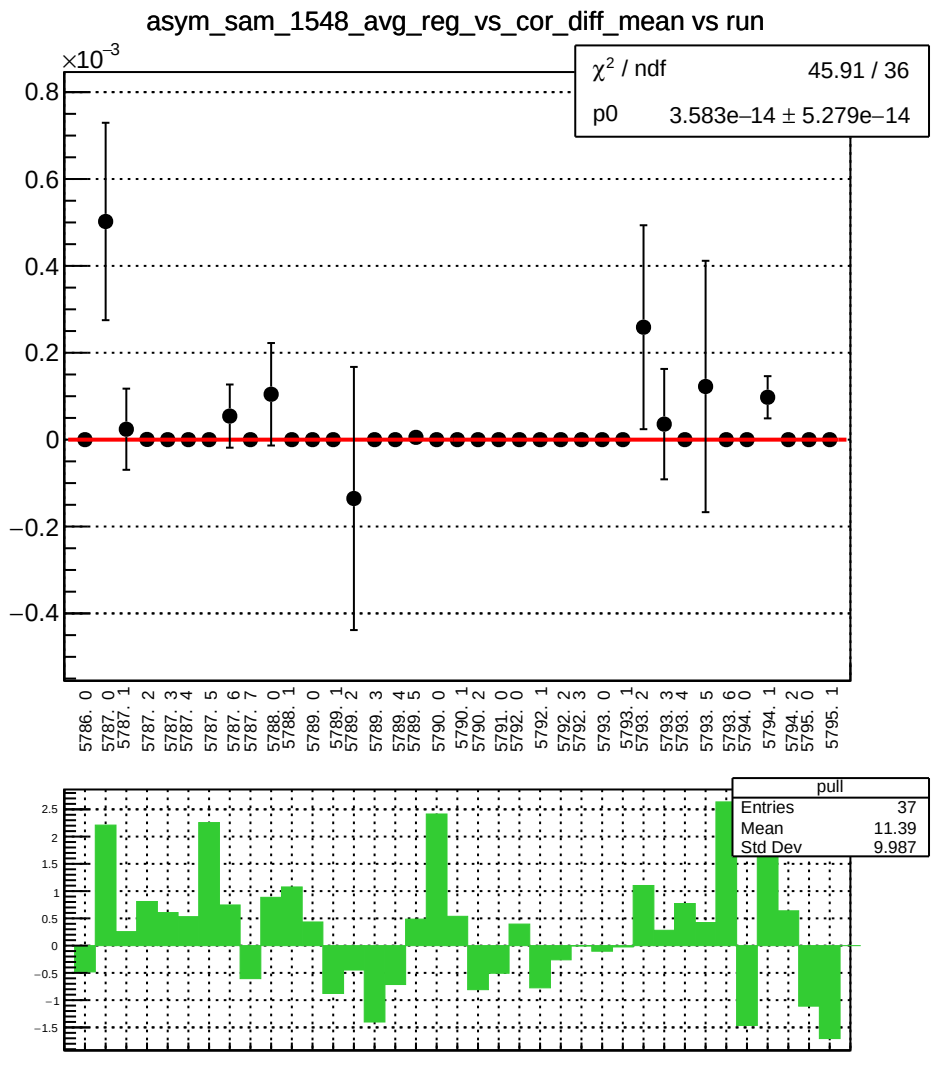
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 89.22
Std Dev 0
1
0
−1
−2
−3

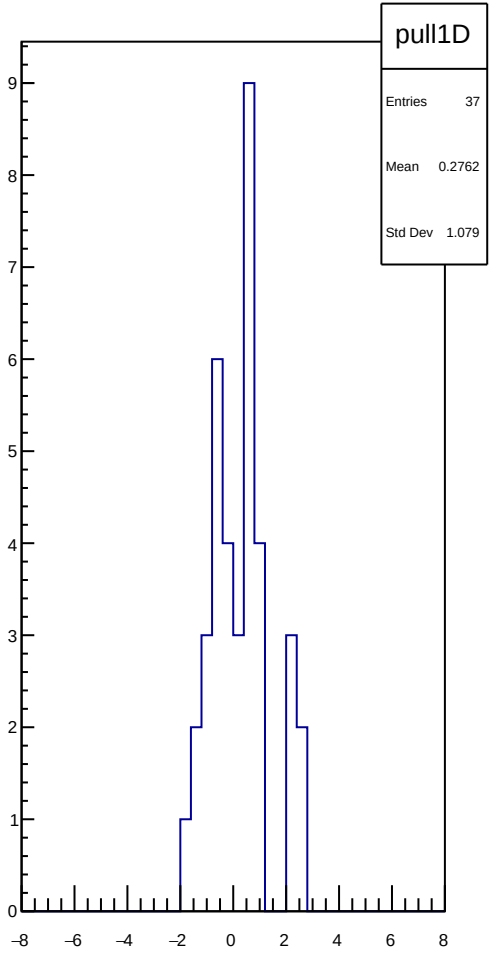

pull1D
Entries 37
Mean −0.01943
Std Dev 1.081
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

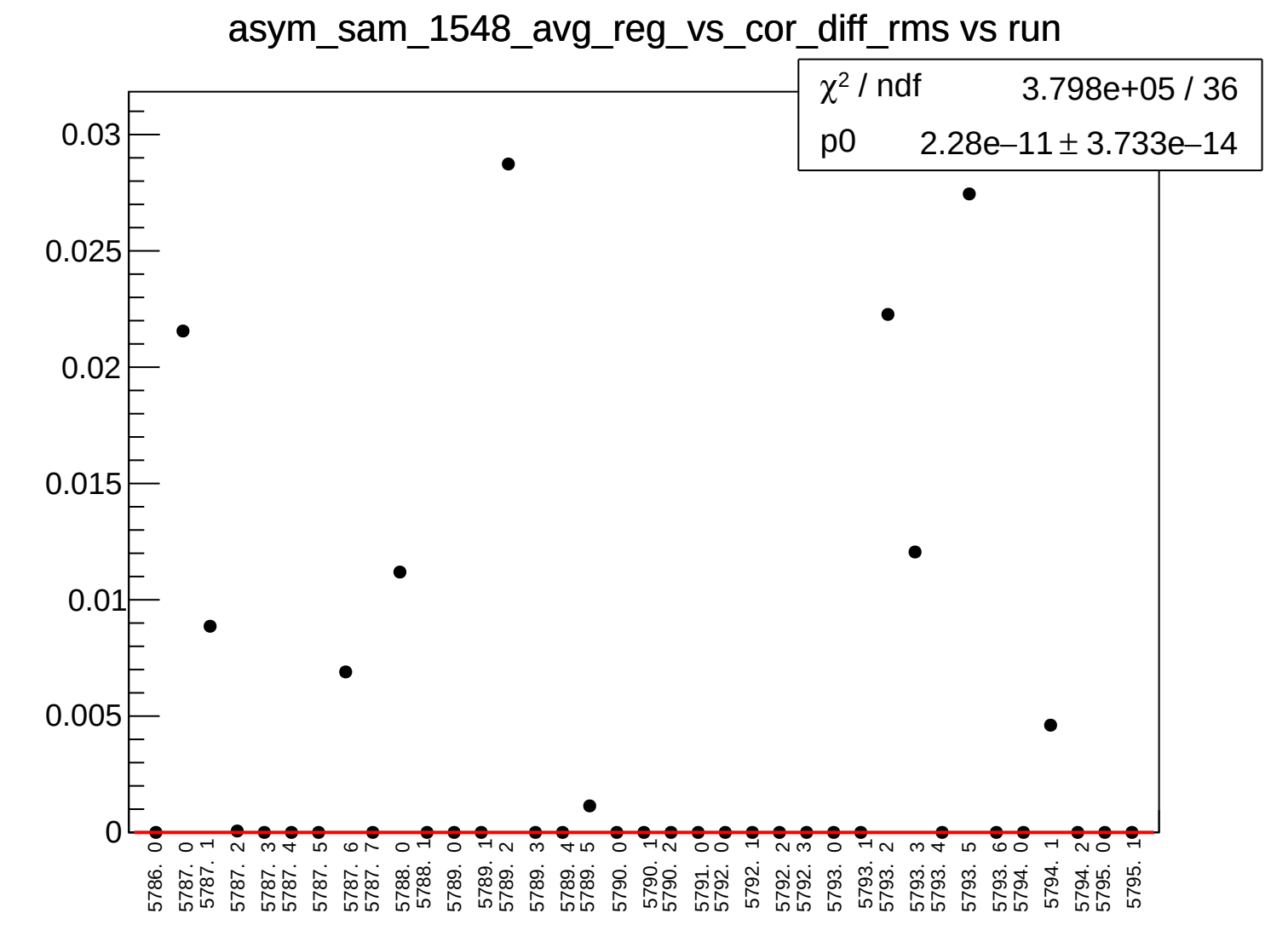

asym_sam_1548_avg_eigen_dit_correction_rms vs run
χ² / ndf 761 / 36
p0 450.8 ± 0.5198
490
480
470
460
450
440
430
420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

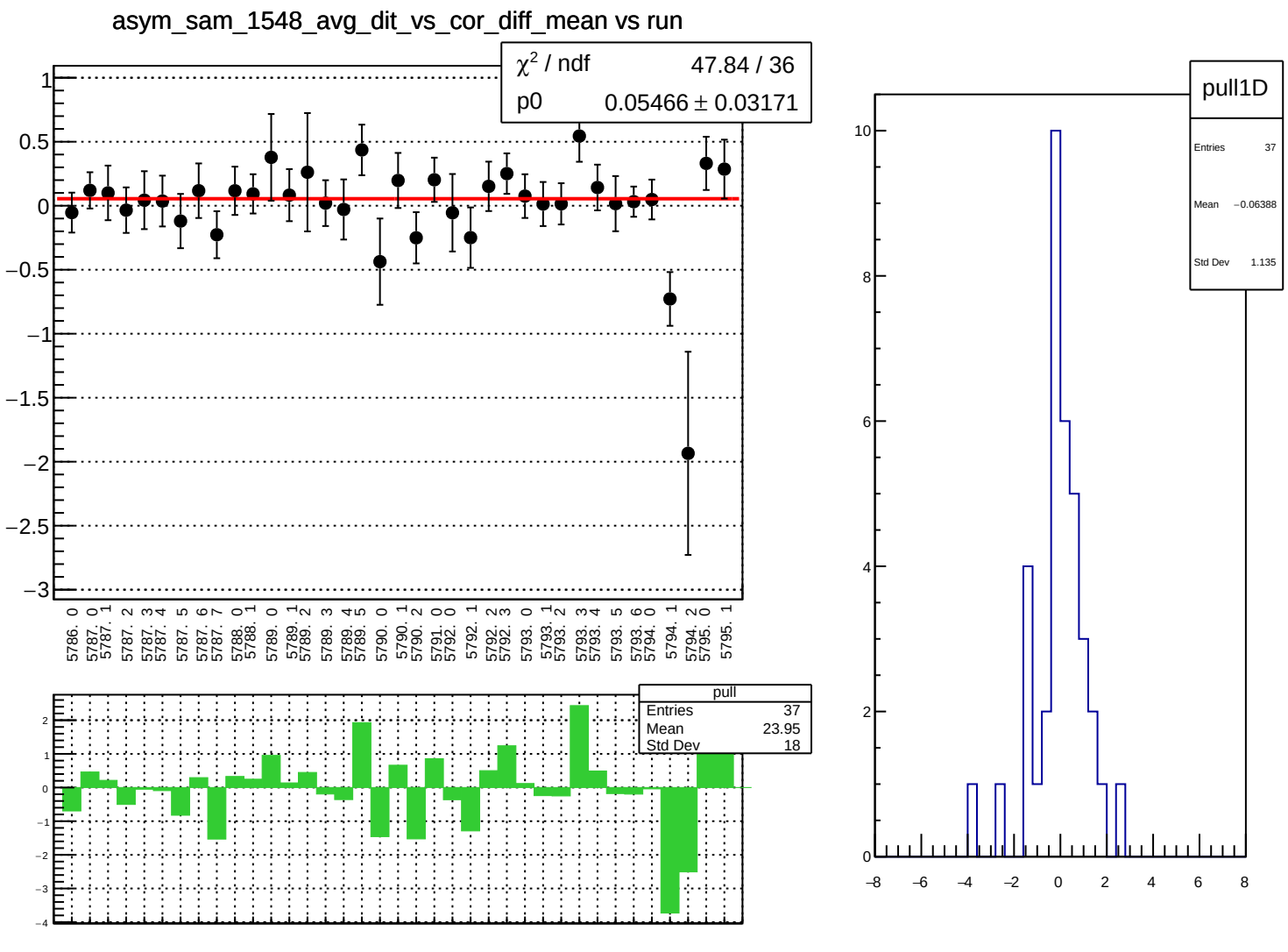

asym_sam_1548_avg_mean vs run
χ² / ndf 43.28 / 36
p0 −1488 ± 728.7
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.1
Std Dev 0
3
2
1
0
−1
pull1D
Entries 37
Mean 0.0143
Std Dev 1.081
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

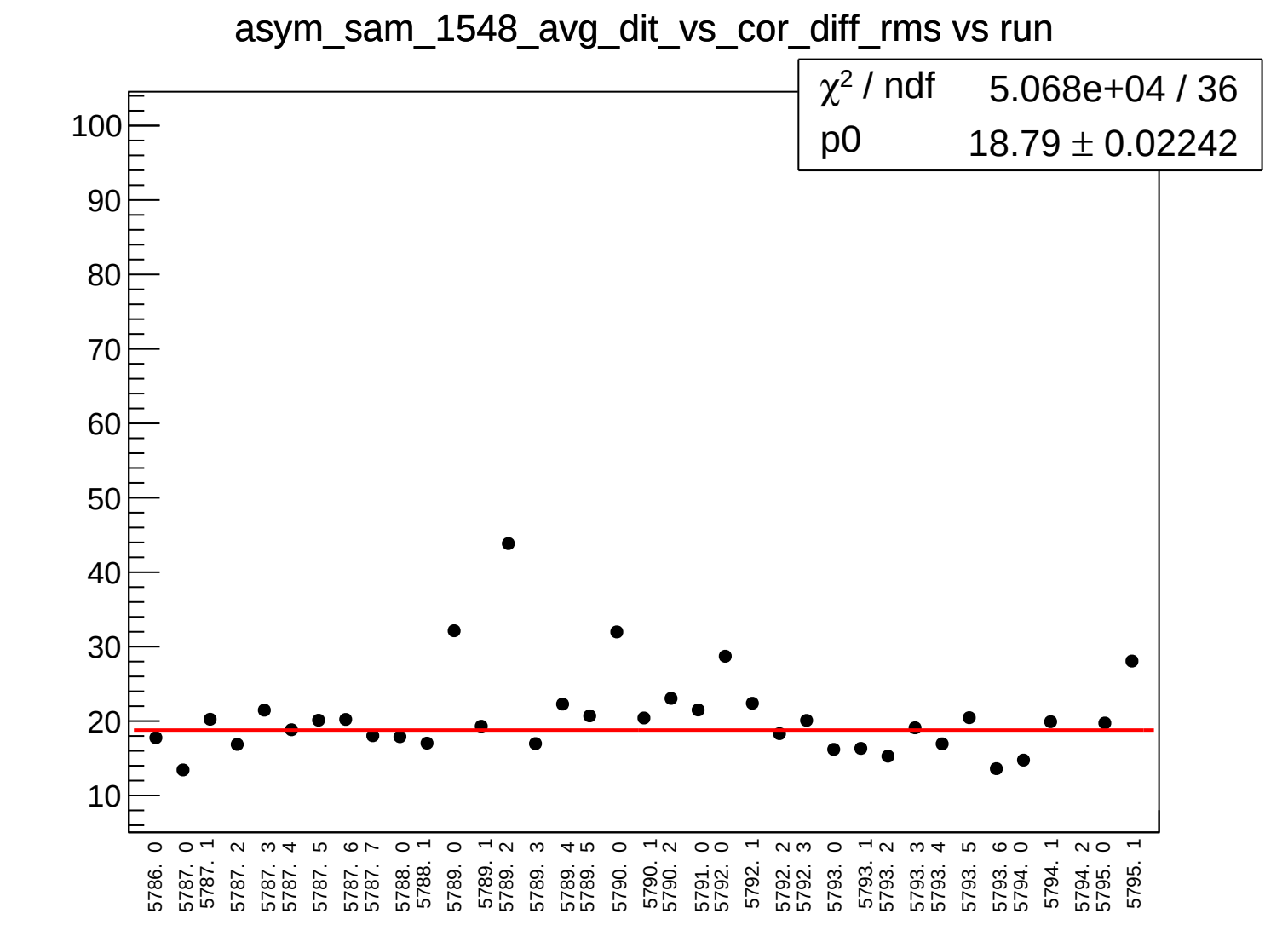

asym_sam_1548_avg_rms vs run
χ² / ndf 1510 / 36
p0 446.7 ± 0.5152
500
480
460
440
420
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

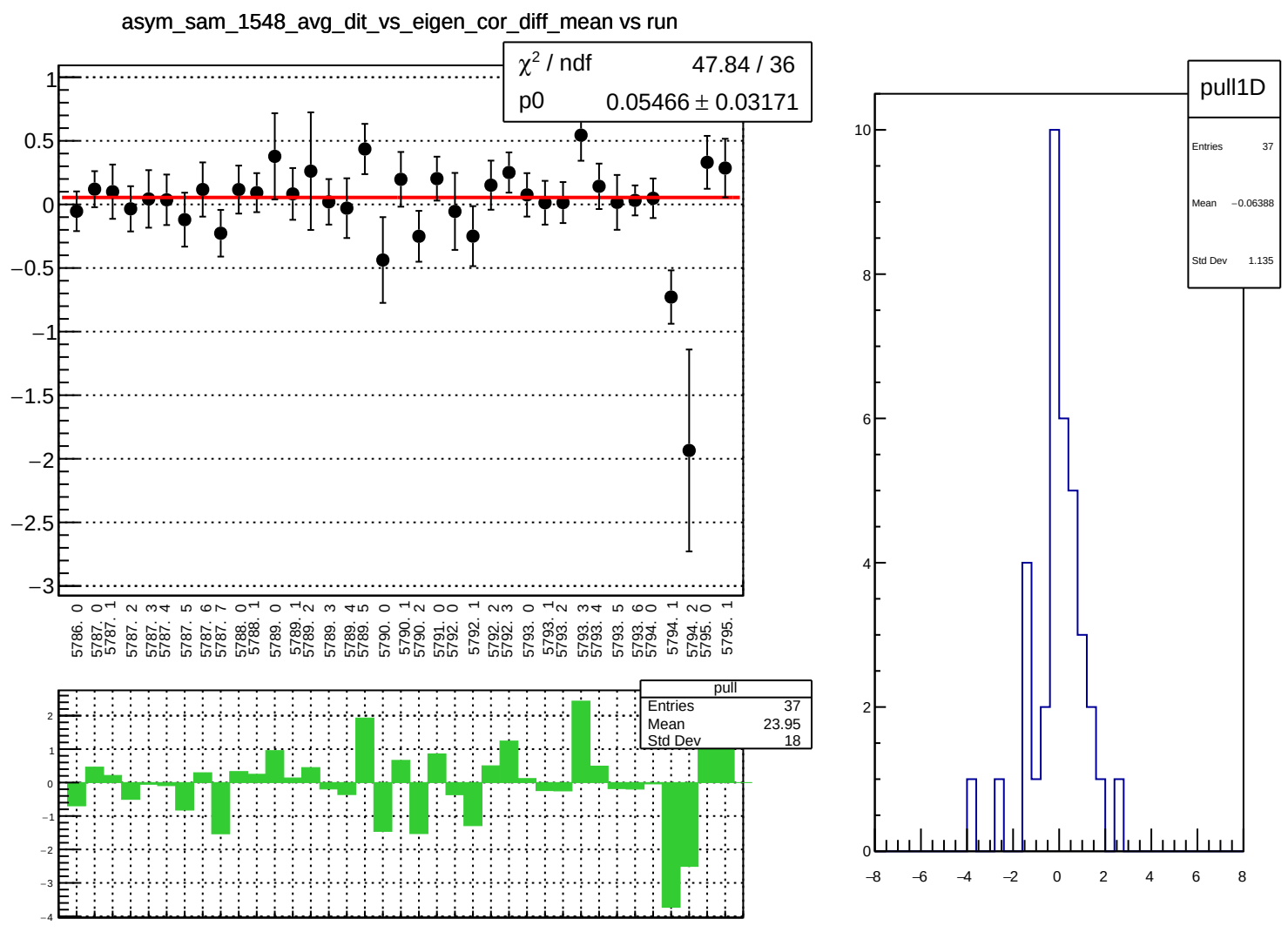

asym_sam_1548_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 45.91 / 36
p0 3.583e−14 ± 5.279e−14
0.8
0.6
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.39
Std Dev 9.987
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

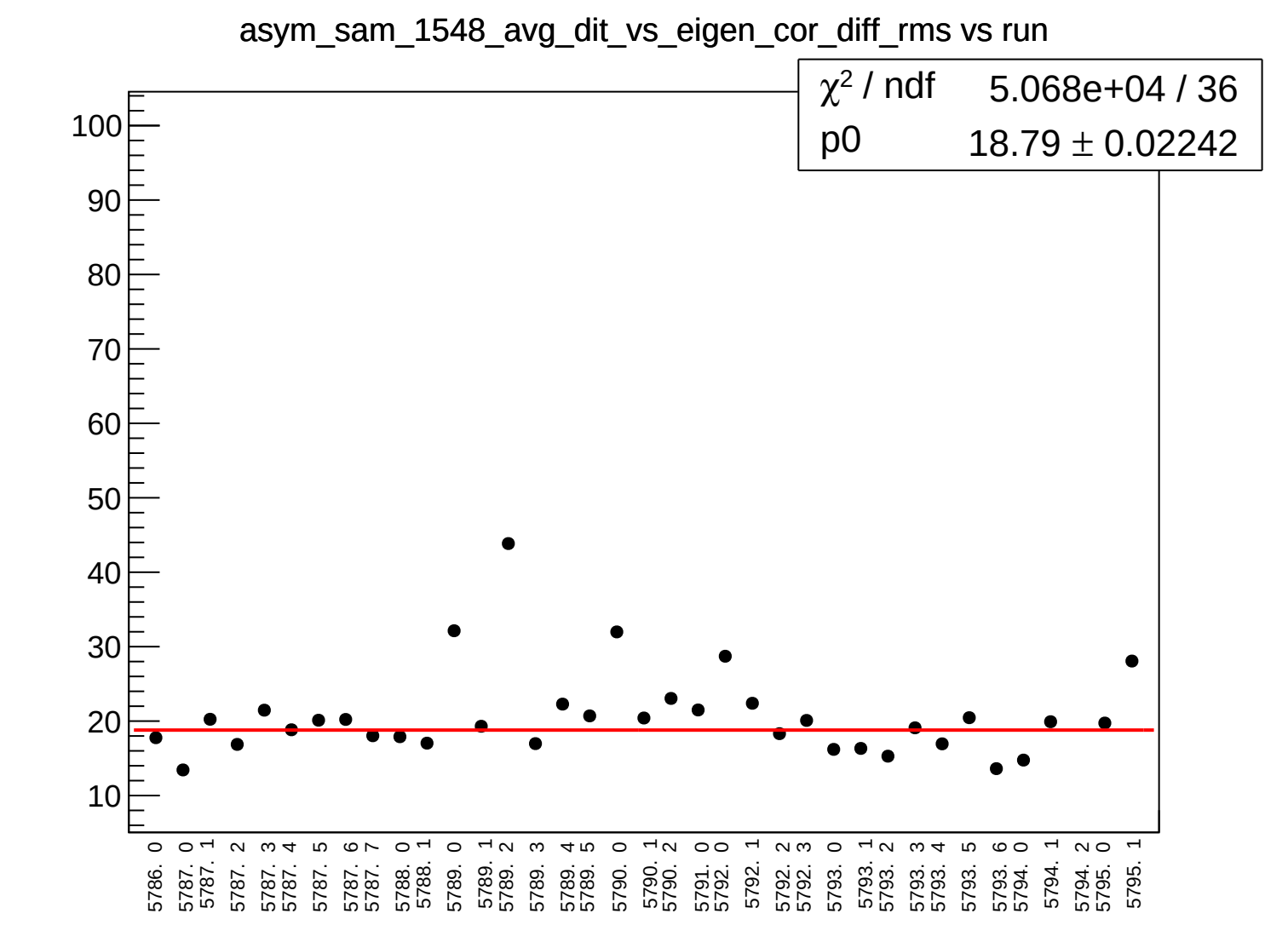

pull1D
Entries 37
Mean 0.2762
Std Dev 1.079
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

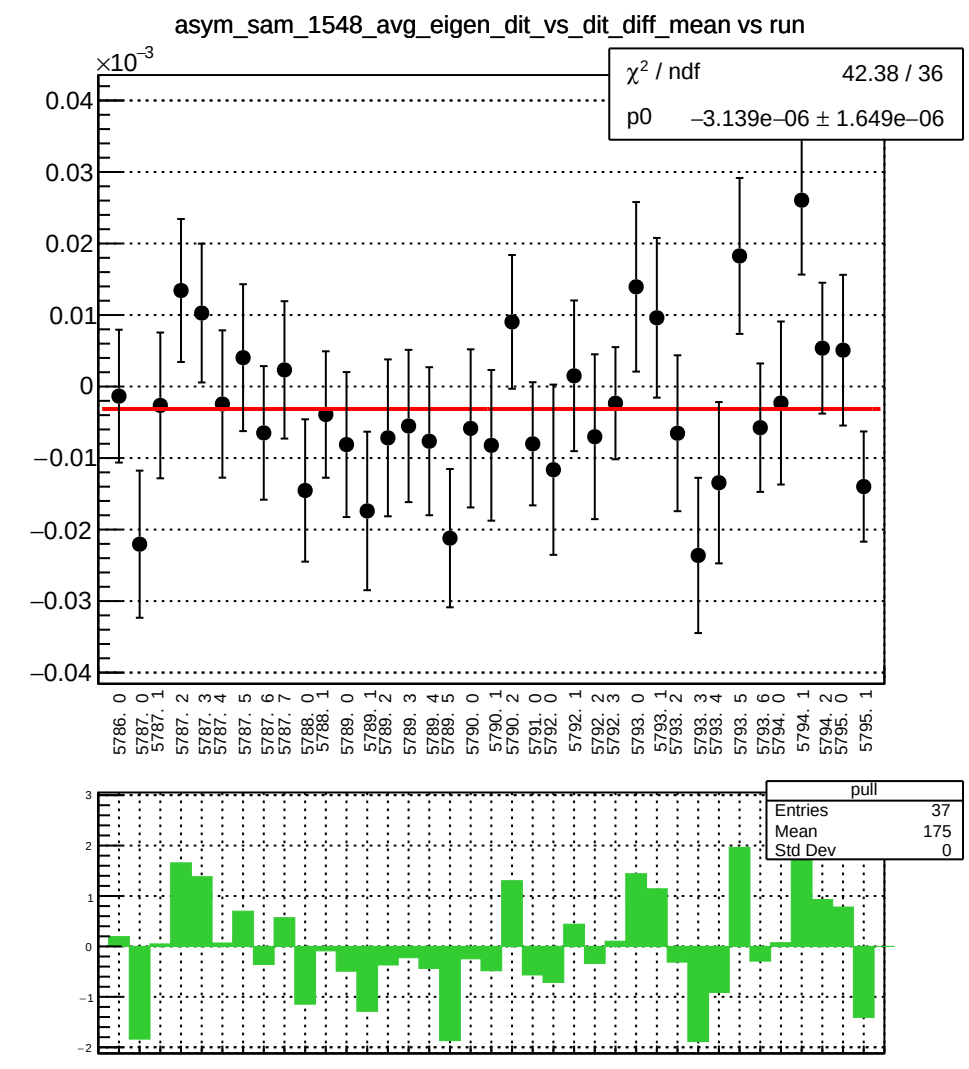

asym_sam_1548_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.798e+05 / 36
p0 2.28e−11 ± 3.733e−14
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

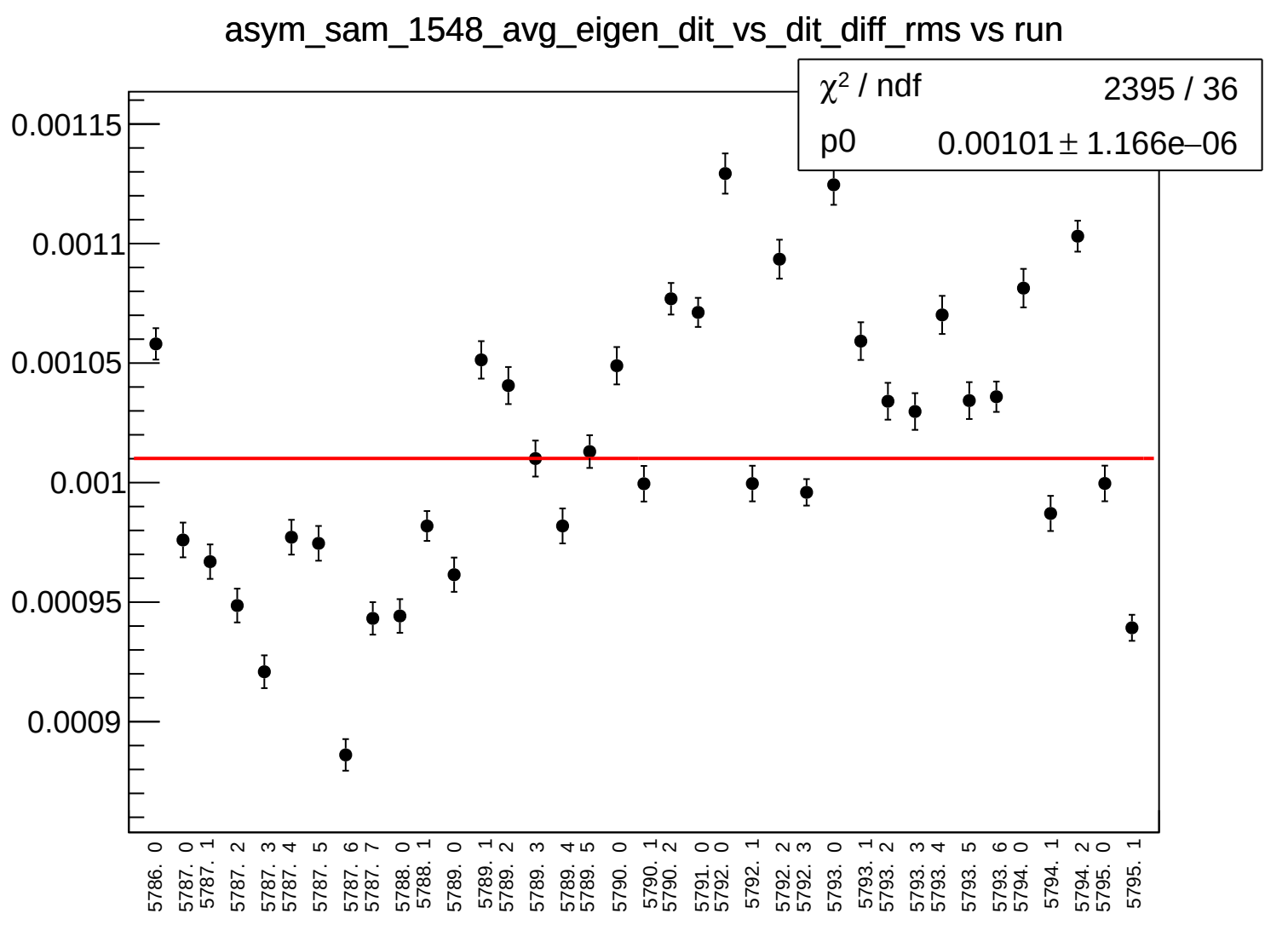

asym_sam_1548_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.84 / 36
p0 0.05466 ± 0.03171
pull
Entries 37
Mean 23.95
Std Dev 18
pull1D
Entries 37
Mean −0.06388
Std Dev 1.135

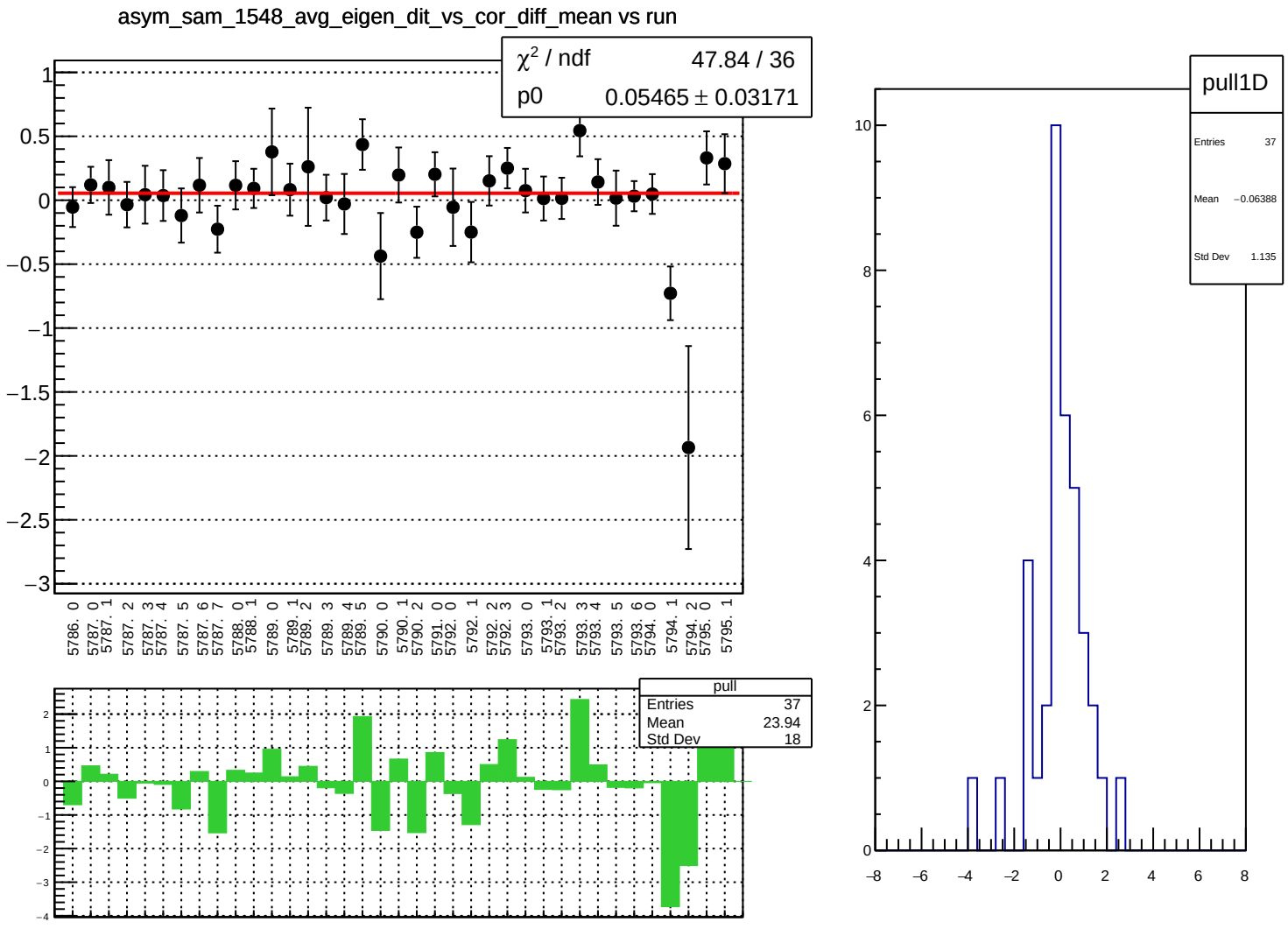

asym_sam_1548_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 5.068e+04 / 36
p0 18.79 ± 0.02242
100
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

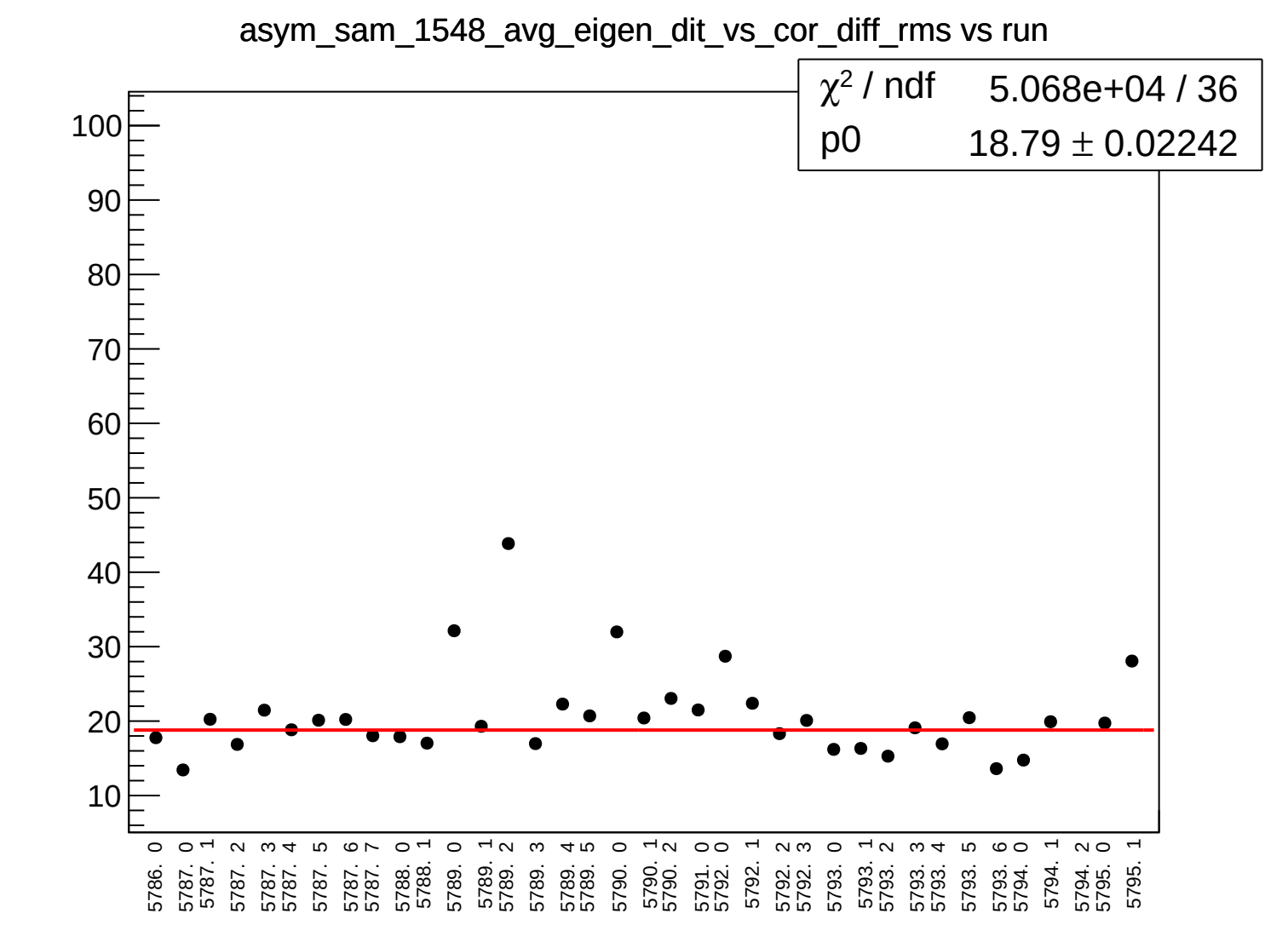

asym_sam_1548_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.84 / 36
p0 0.05466 ± 0.03171
pull
Entries 37
Mean 23.95
Std Dev 18
pull1D
Entries 37
Mean −0.06388
Std Dev 1.135

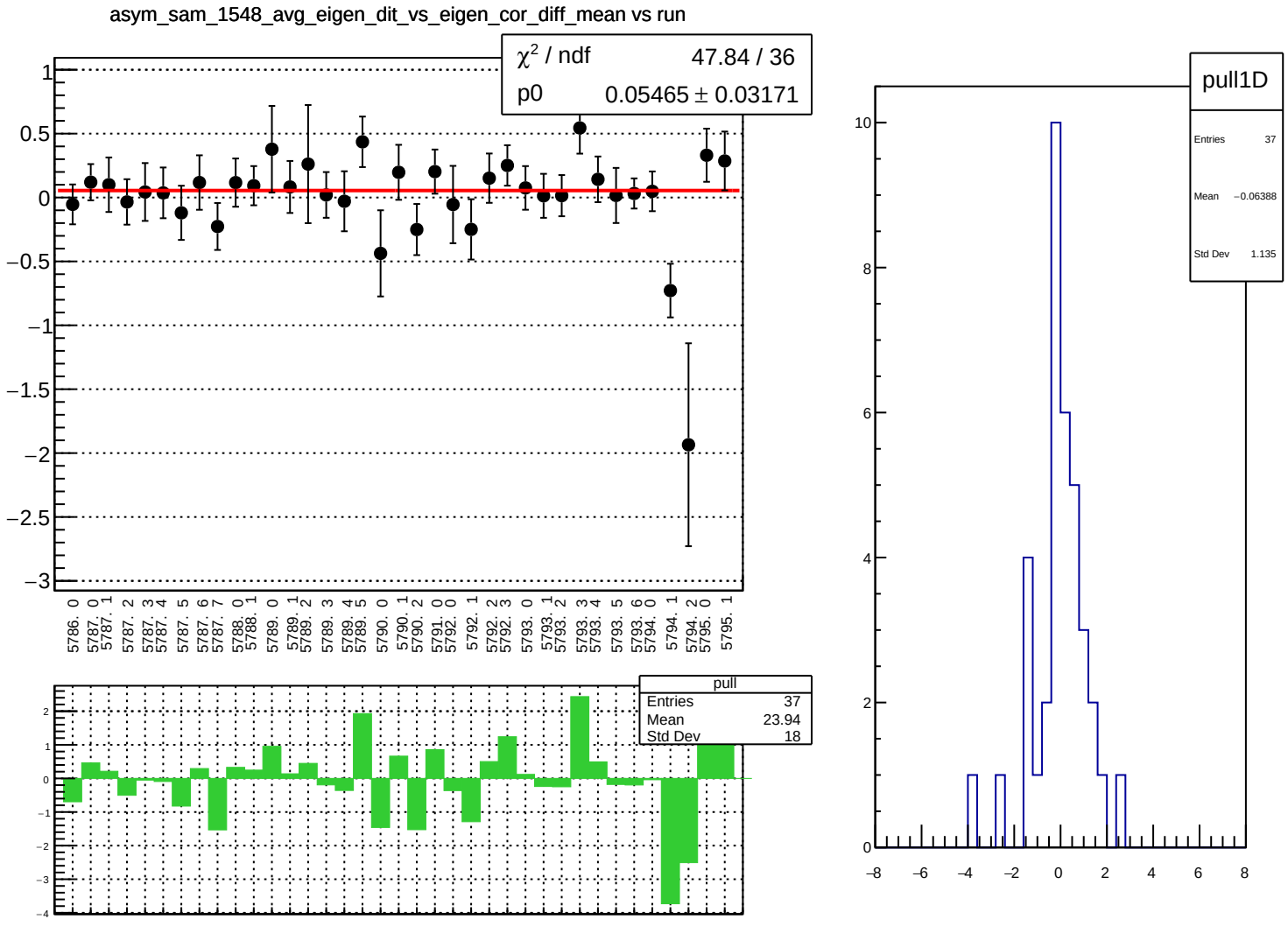

asym_sam_1548_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.068e+04 / 36
p0 18.79 ± 0.02242
100
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

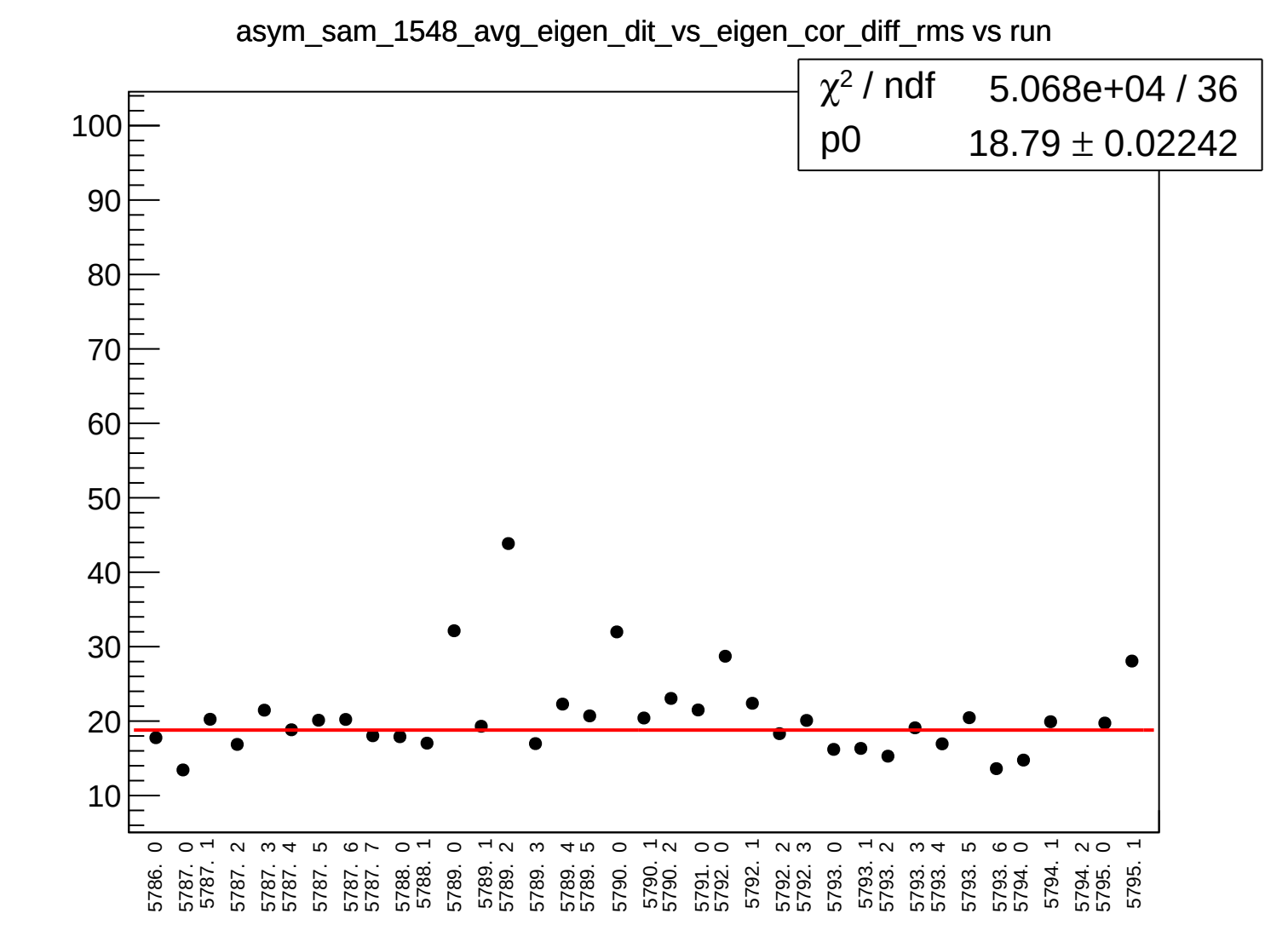

asym_sam_1548_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.38 / 36
p0 −3.139e−06 ± 1.649e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 175
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.009299
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

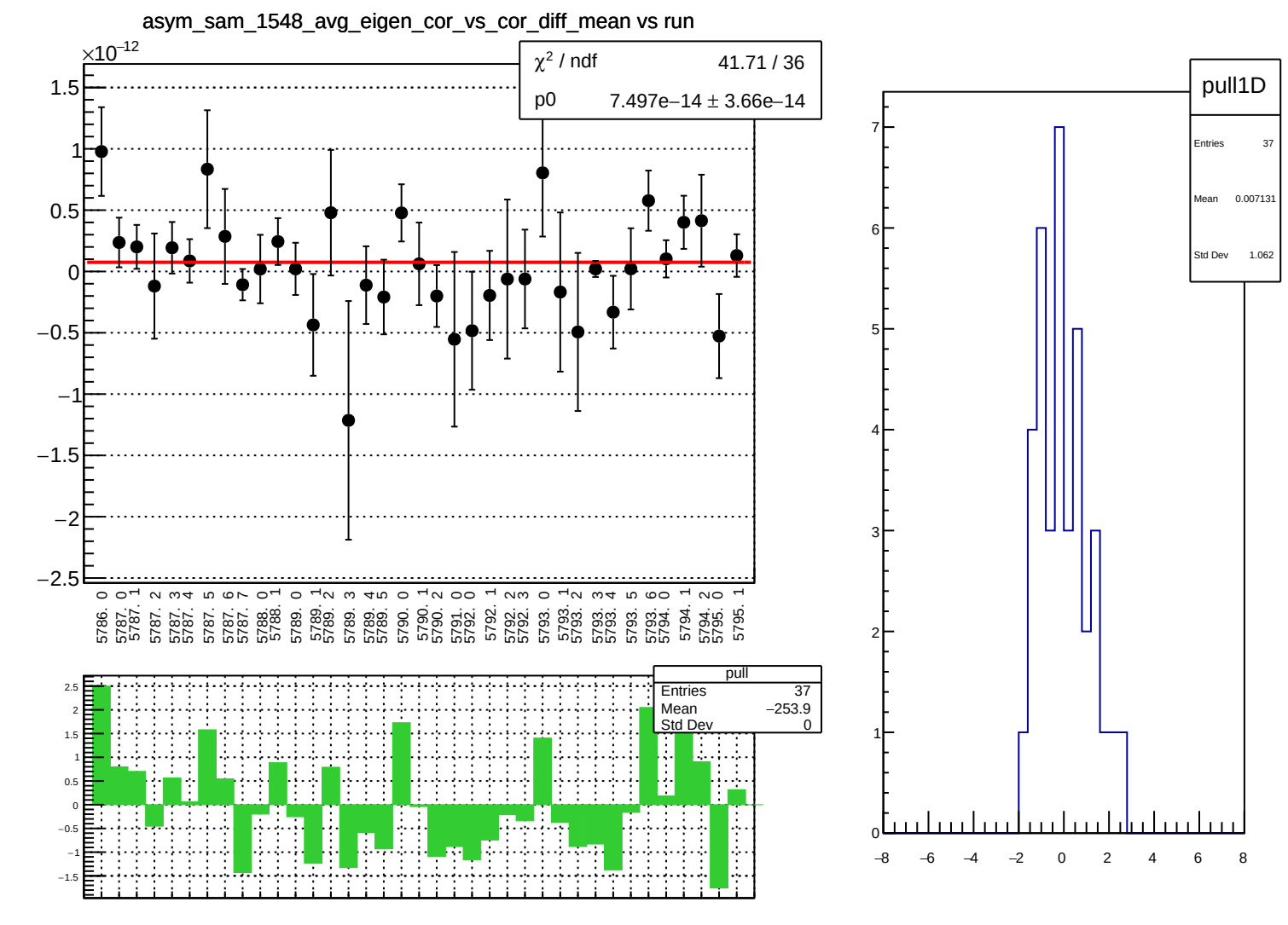

asym_sam_1548_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 2395 / 36
p0 0.00101 ± 1.166e–06
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

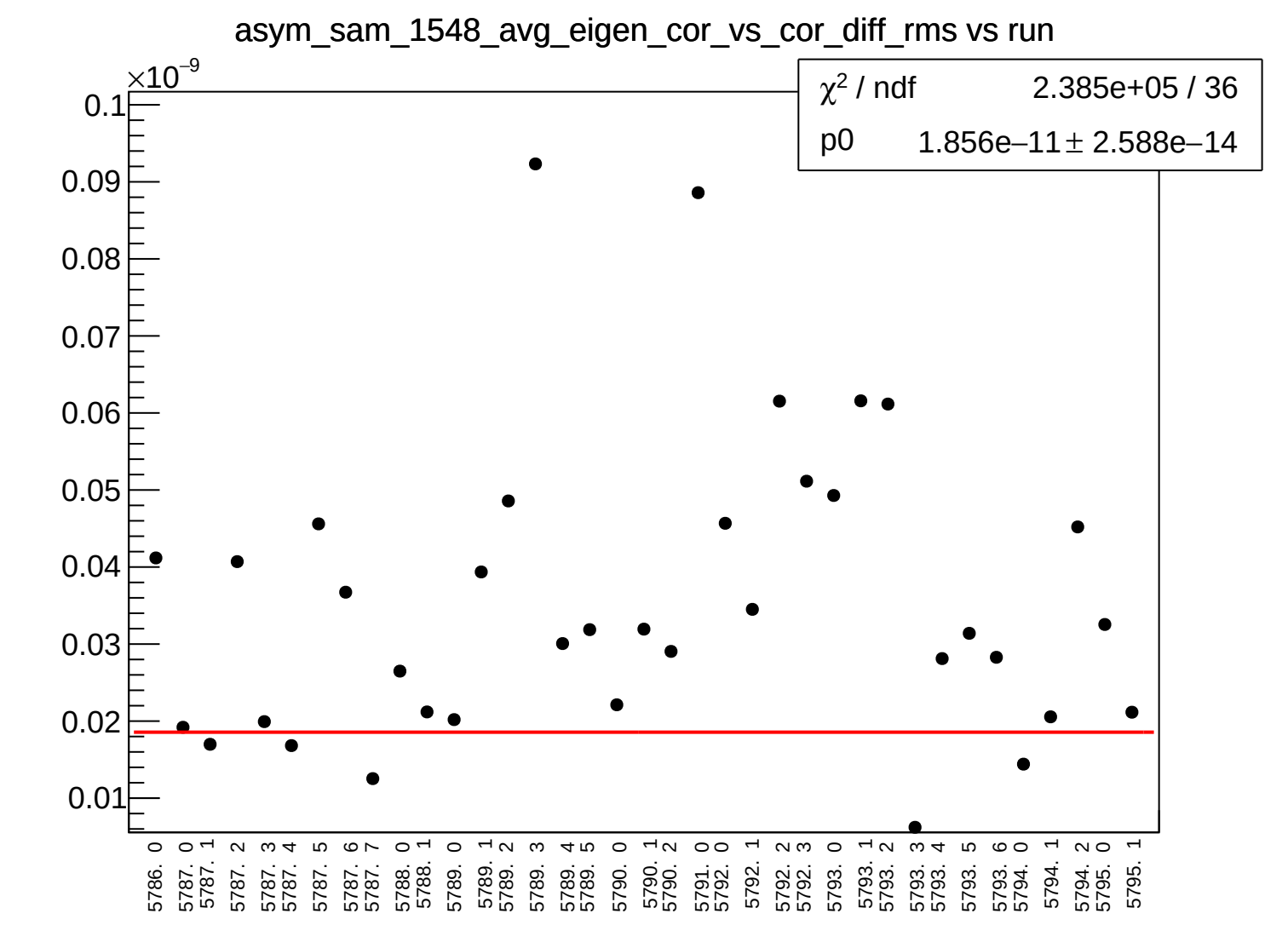

asym_sam_1548_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.84 / 36
p0 0.05465 ± 0.03171
pull
Entries 37
Mean 23.94
Std Dev 18
pull1D
Entries 37
Mean −0.06388
Std Dev 1.135

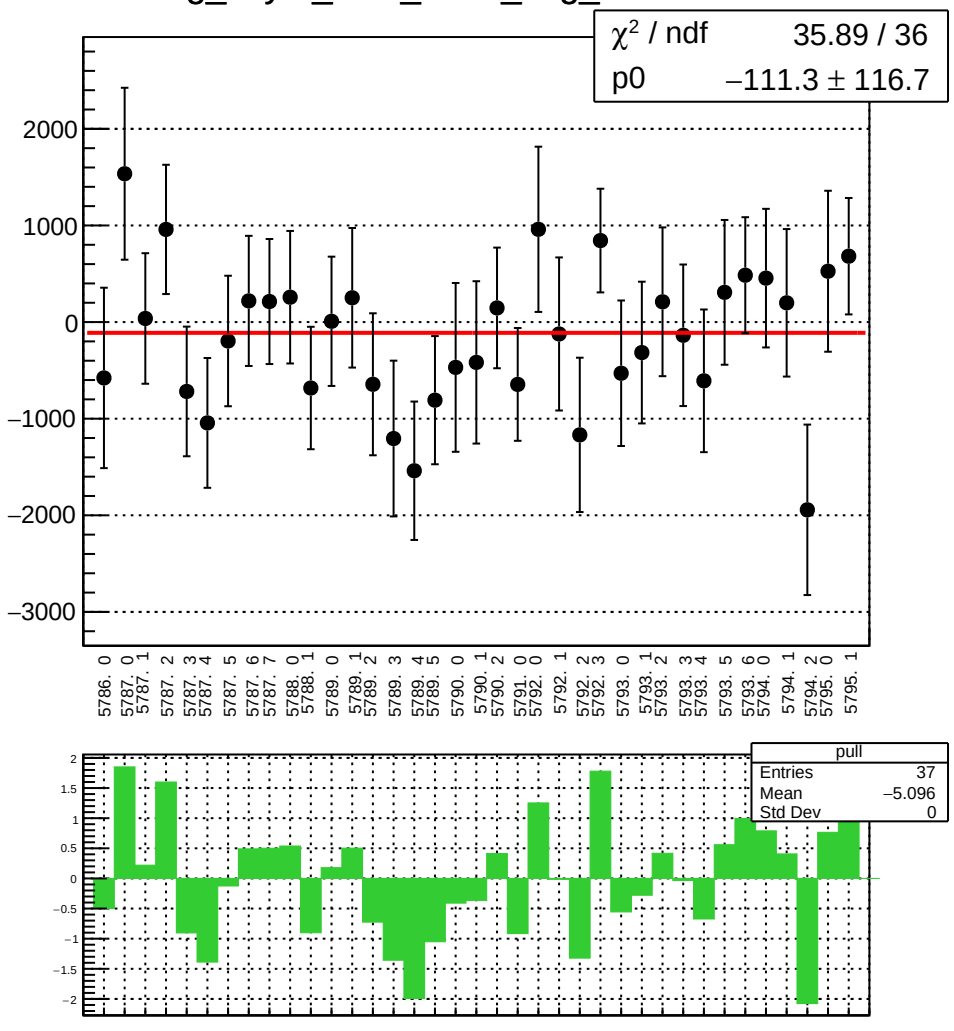

asym_sam_1548_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 5.068e+04 / 36
p0 18.79 ± 0.02242
100
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

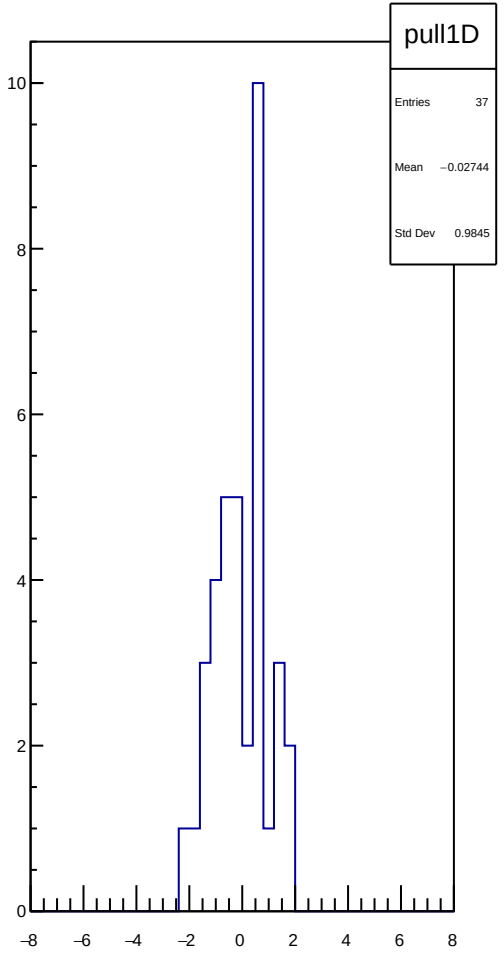

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.84 / 36
p0 0.05465 ± 0.03171
pull
Entries 37
Mean 23.94
Std Dev 18
pull1D
Entries 37
Mean −0.06388
Std Dev 1.135

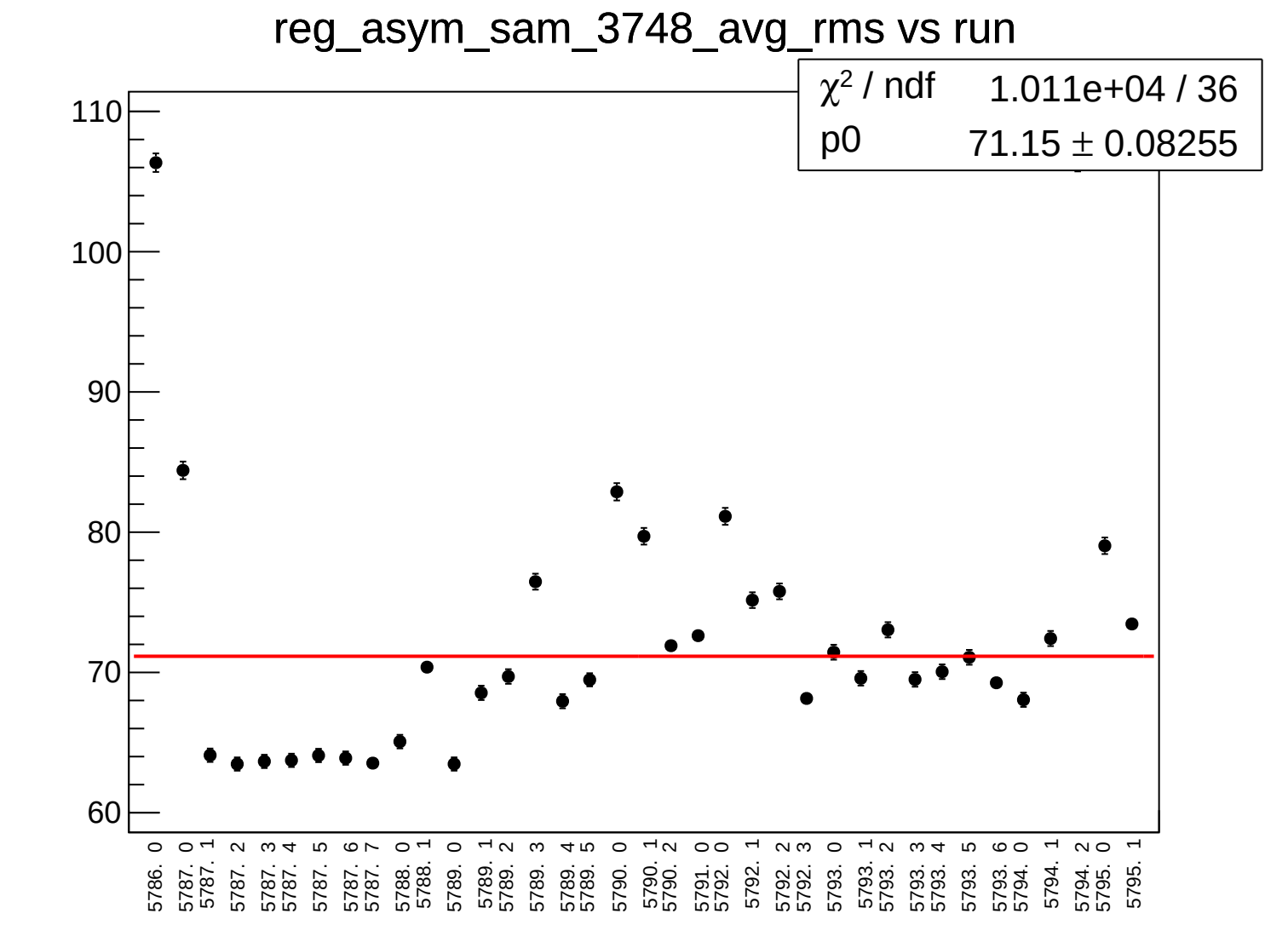

asym_sam_1548_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 5.068e+04 / 36
p0 18.79 ± 0.02242
100
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_1548_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 41.71 / 36
p0 7.497e−14 ± 3.66e−14
pull
Entries 37
Mean −253.9
Std Dev 0
pull1D
Entries 37
Mean 0.007131
Std Dev 1.062


asym_sam_1548_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.385e+05 / 36
p0 1.856e−11 ± 2.588e−14
0.1
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_sam_3748_avg_mean vs run
χ² / ndf 35.89 / 36
p0 −111.3 ± 116.7
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.096
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.02744
Std Dev 0.9845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_3748_avg_rms vs run
χ² / ndf 1.011e+04 / 36
p0 71.15 ± 0.08255
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
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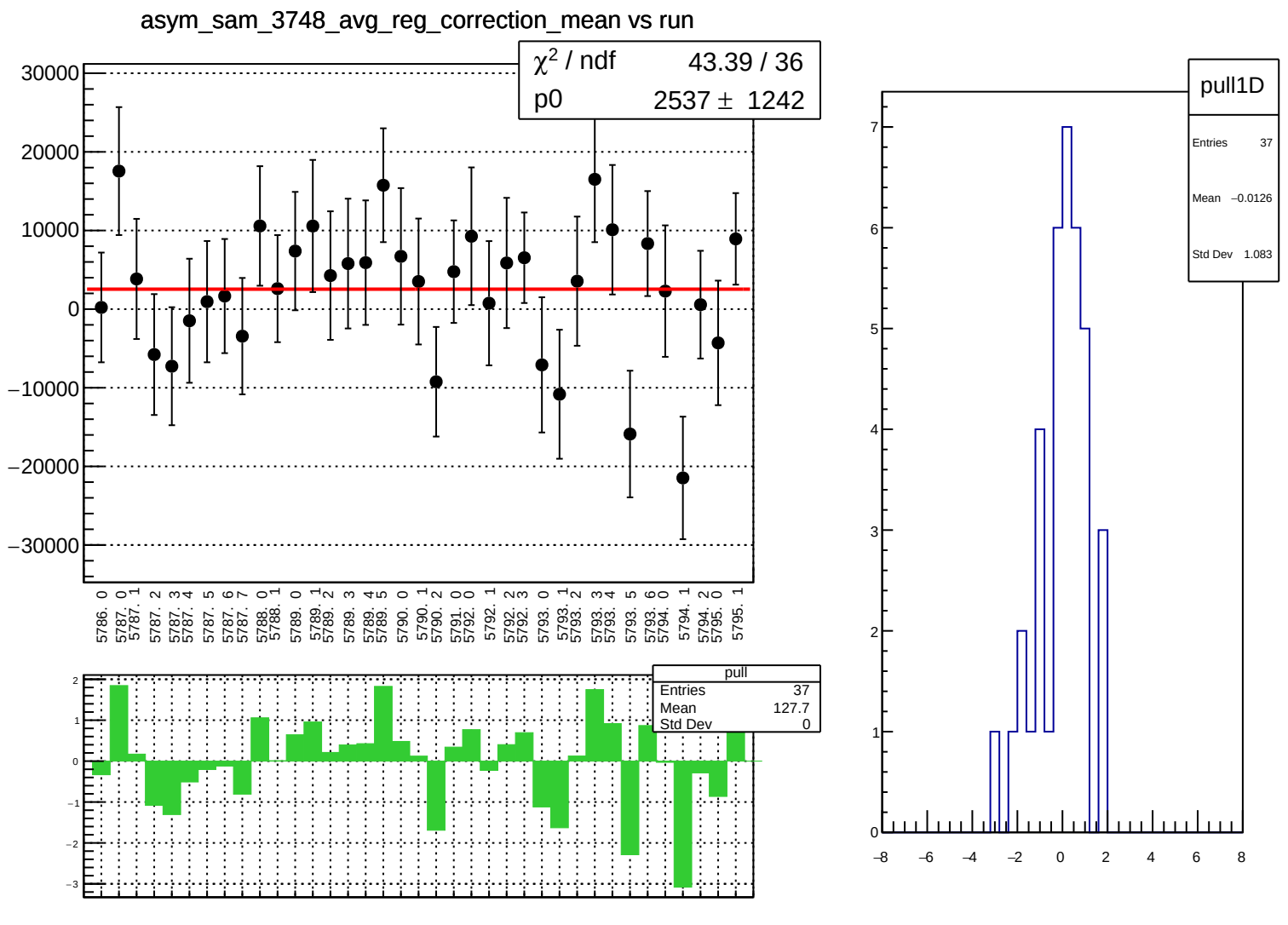
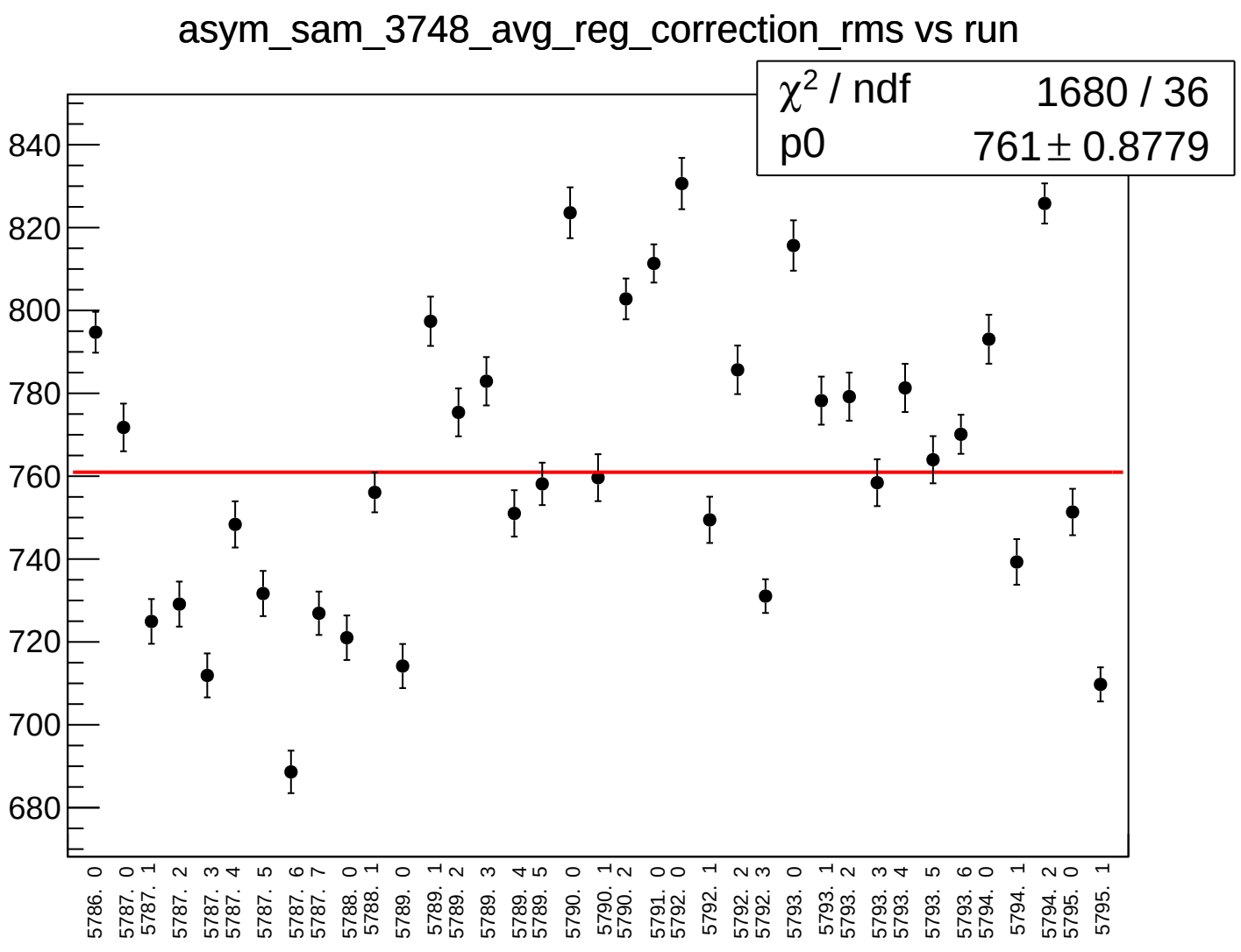
5795. 1


asym_sam_3748_avg_reg_correction_mean vs run
χ² / ndf 43.39 / 36
p0 2537 ± 1242
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 127.7
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.0126
Std Dev 1.083
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 1680 / 36
p0 761 ± 0.8779
840
820
800
780
760
740
720
700
680
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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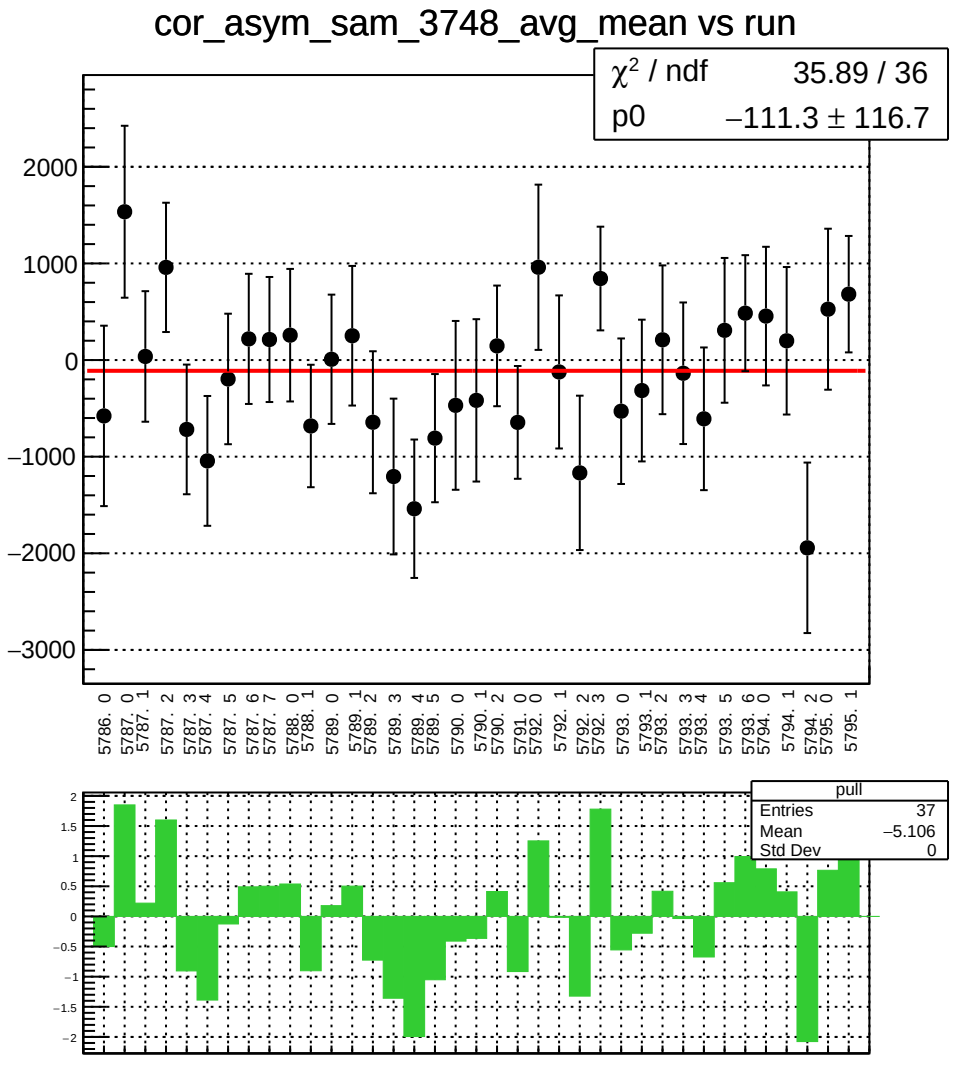
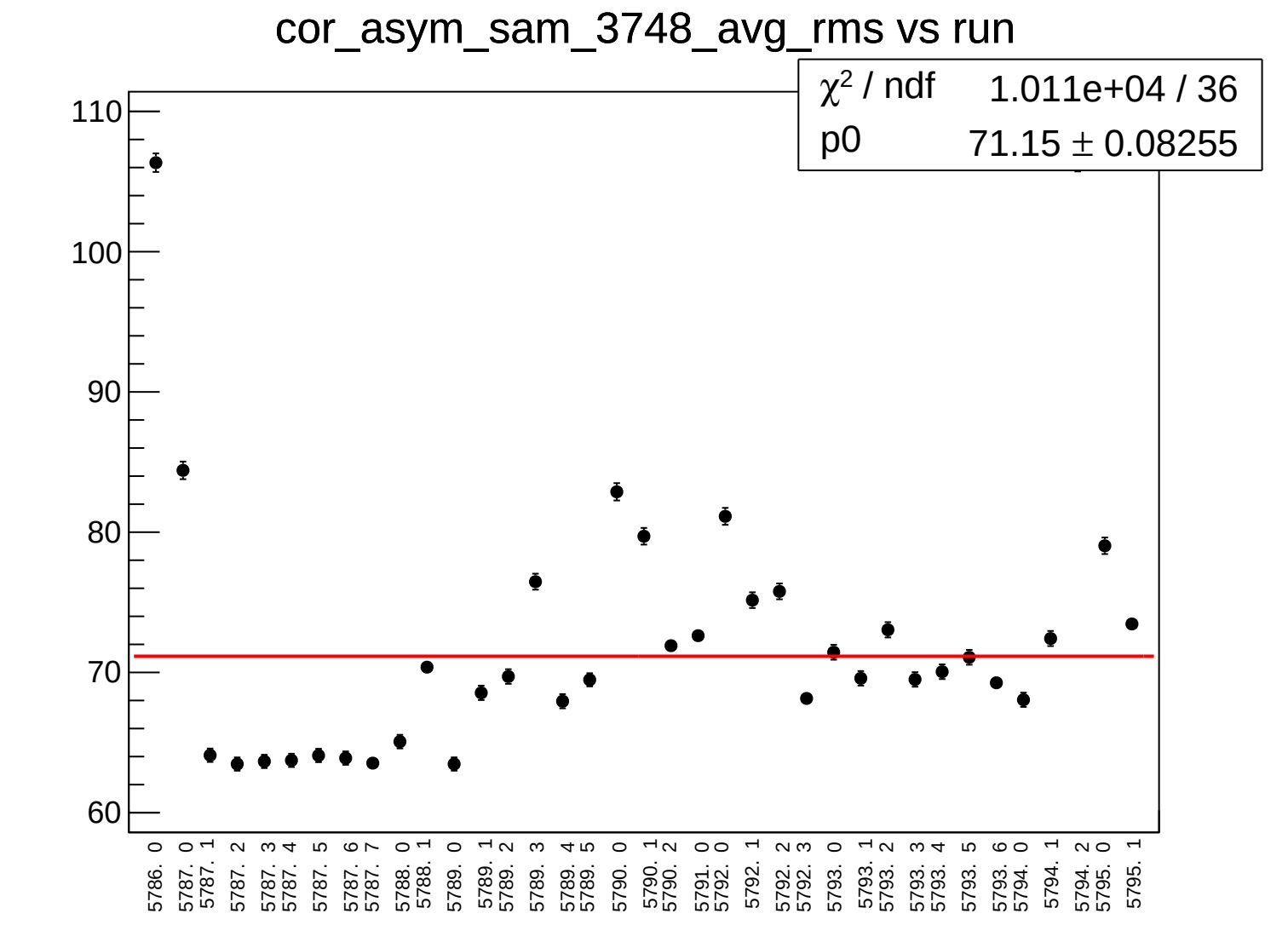
5794. 2
5795. 0
5795. 1


cor_asym_sam_3748_avg_mean vs run
χ² / ndf 35.89 / 36
p0 −111.3 ± 116.7
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.106
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02745
Std Dev 0.9845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.011e+04 / 36
p0 71.15 ± 0.08255
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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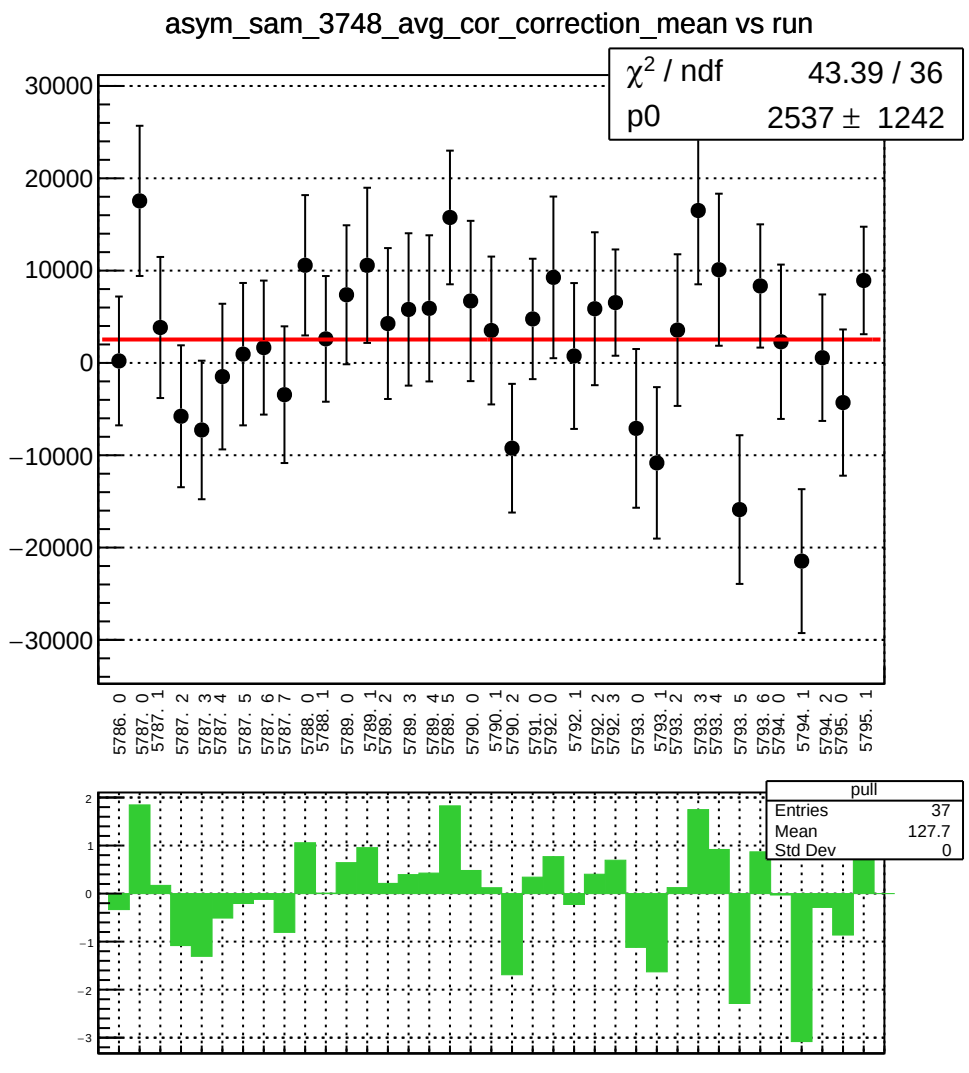
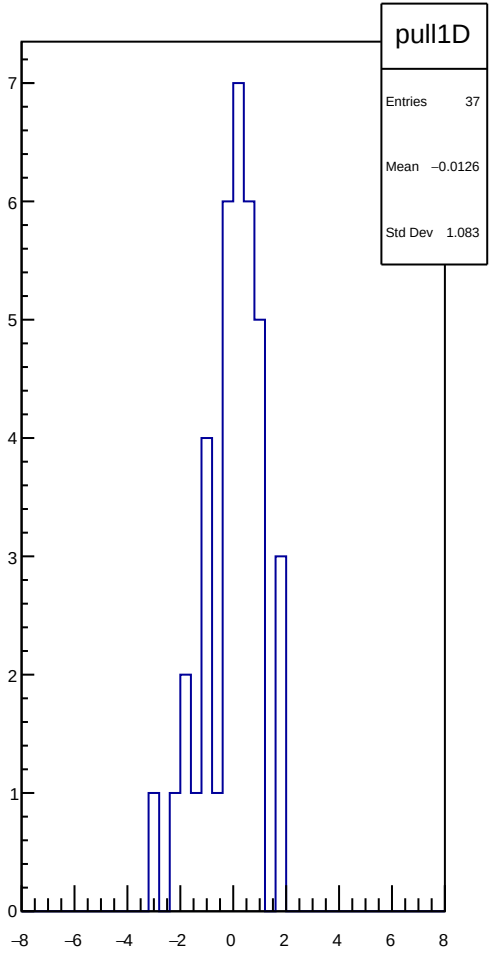
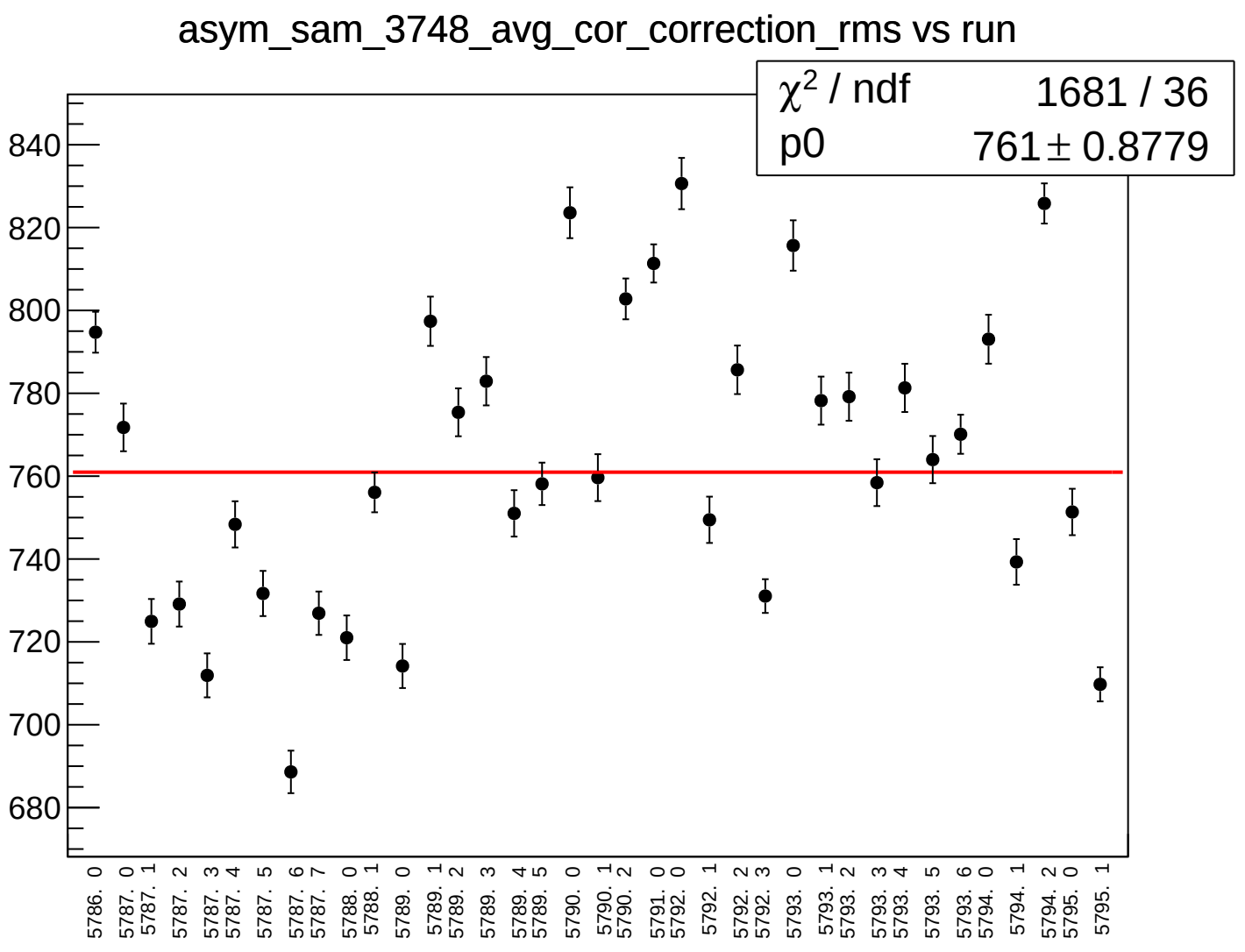
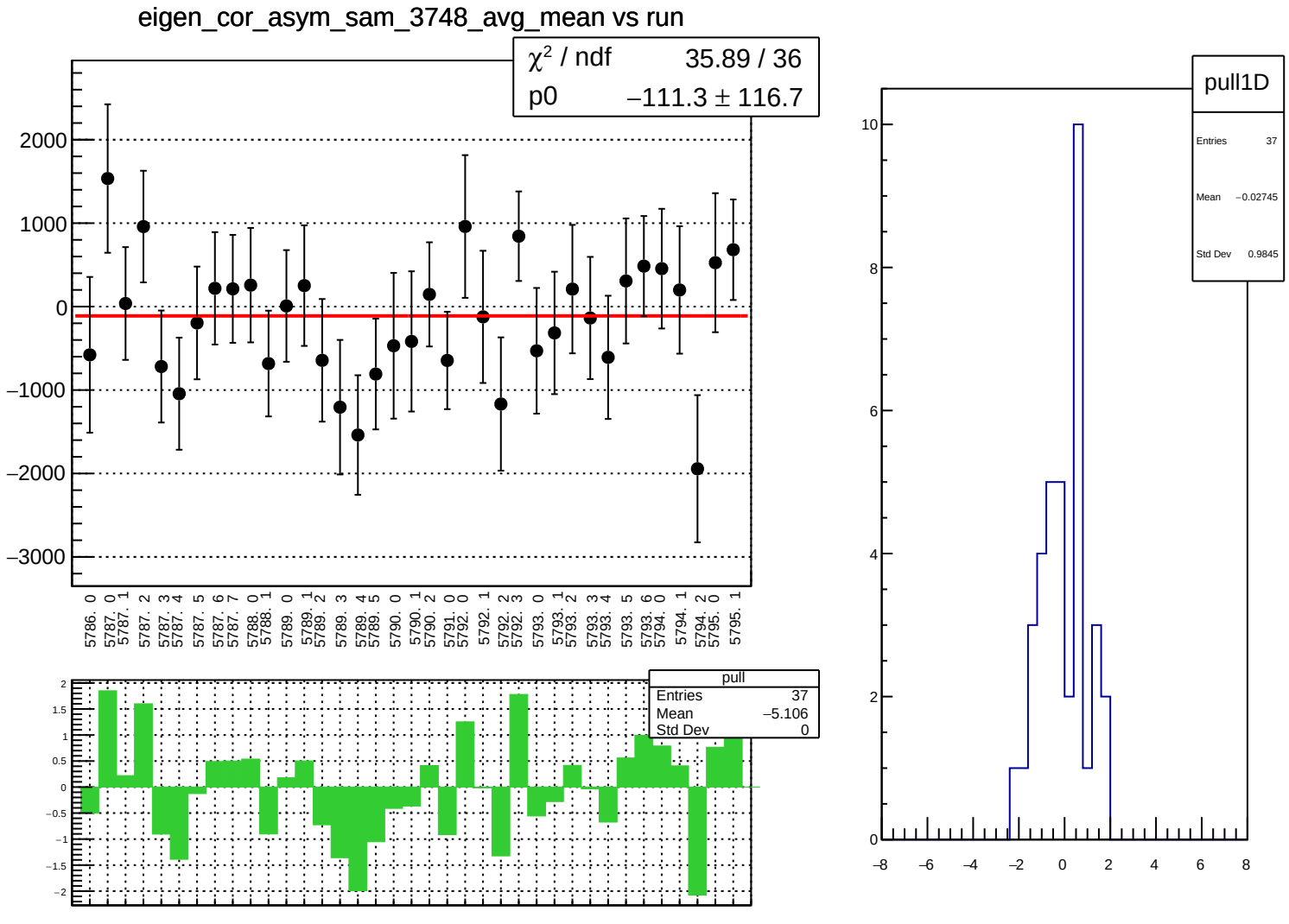
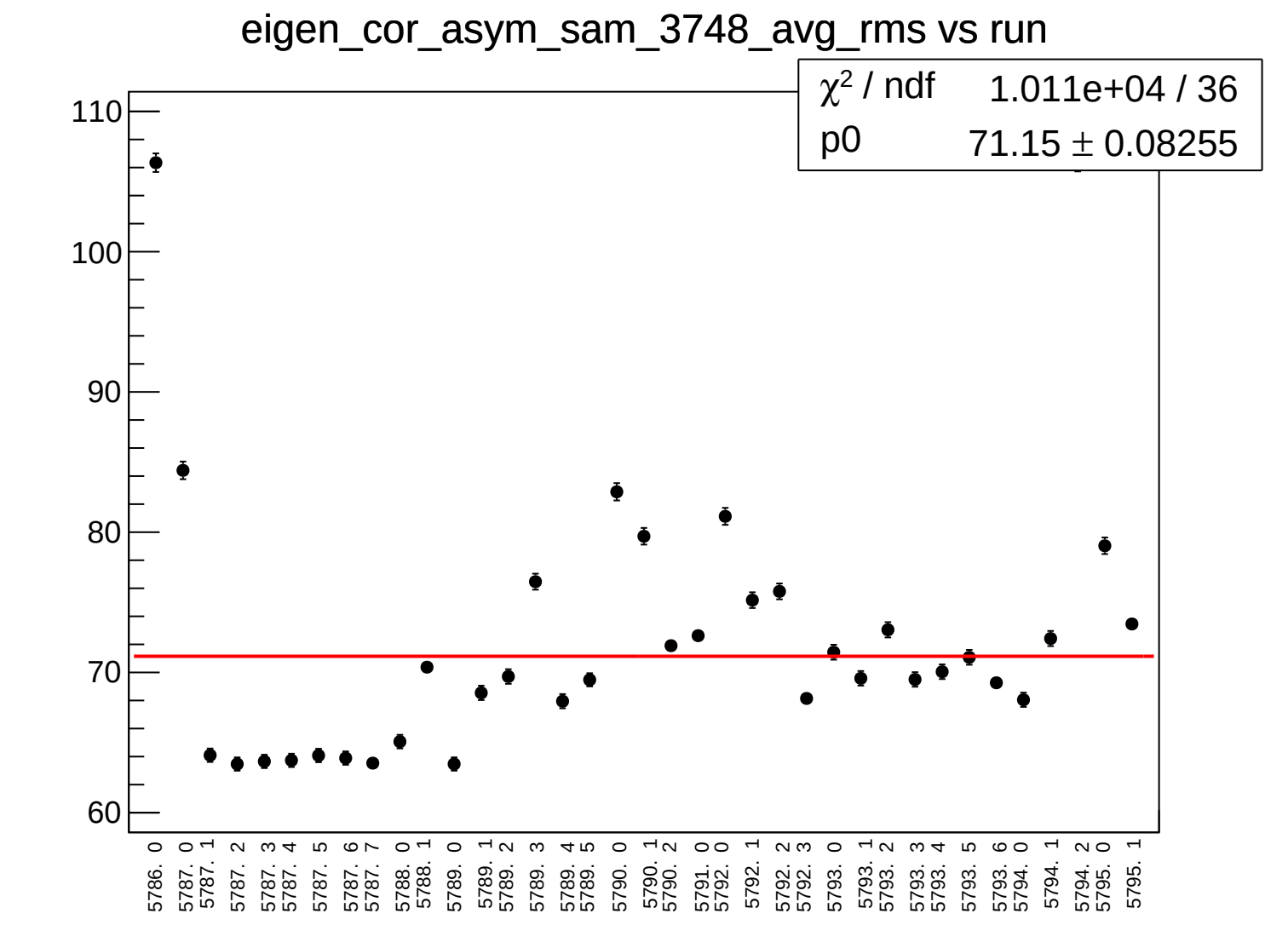
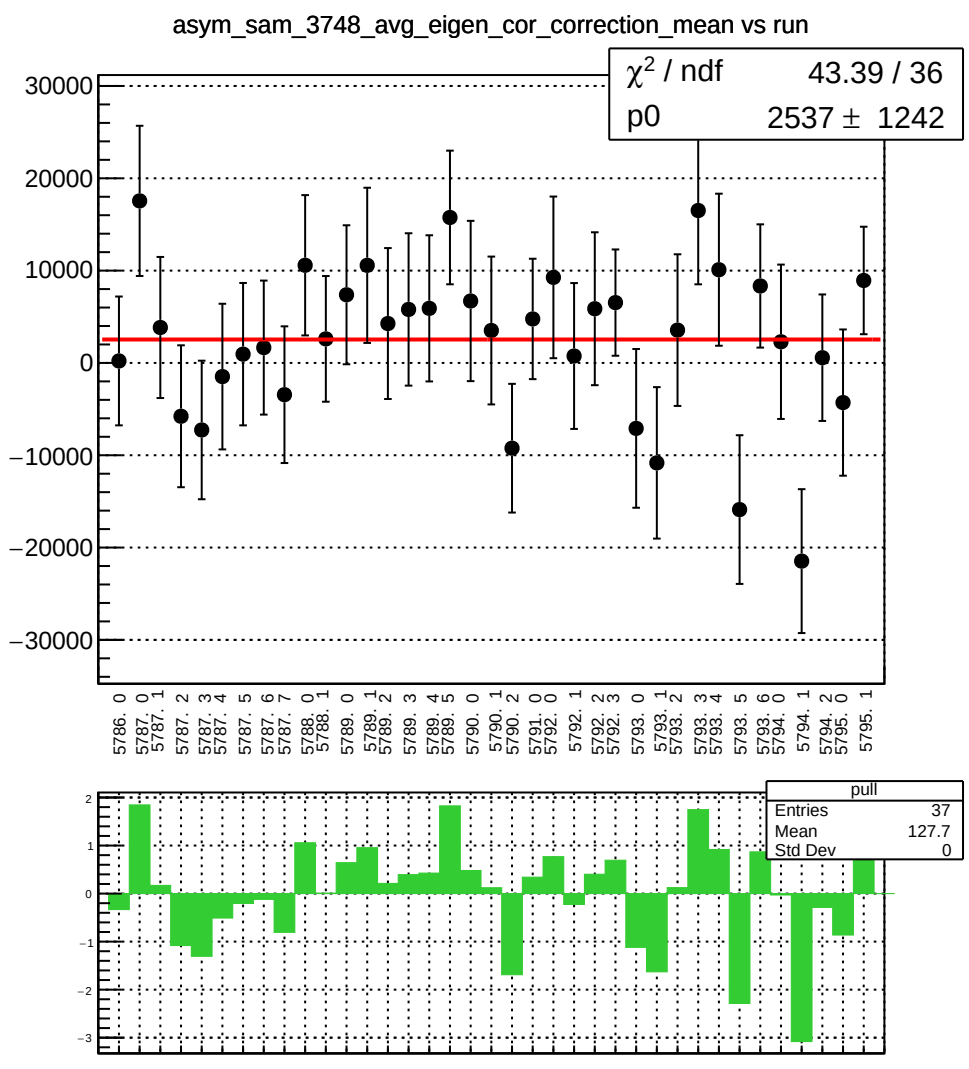

asym_sam_3748_avg_cor_correction_mean vs run
χ² / ndf 43.39 / 36
p0 2537 ± 1242
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 127.7
Std Dev 0
2
1
0
−1
−2
−3

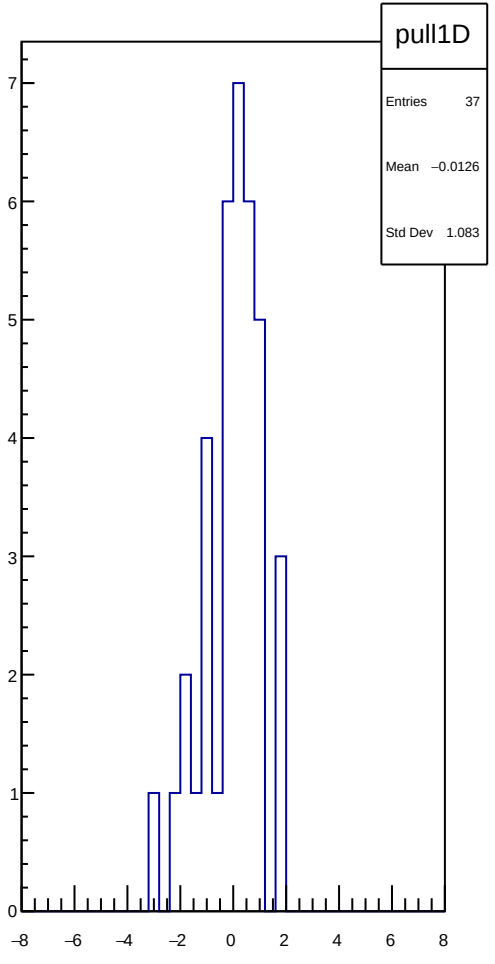

pull1D
Entries 37
Mean −0.0126
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

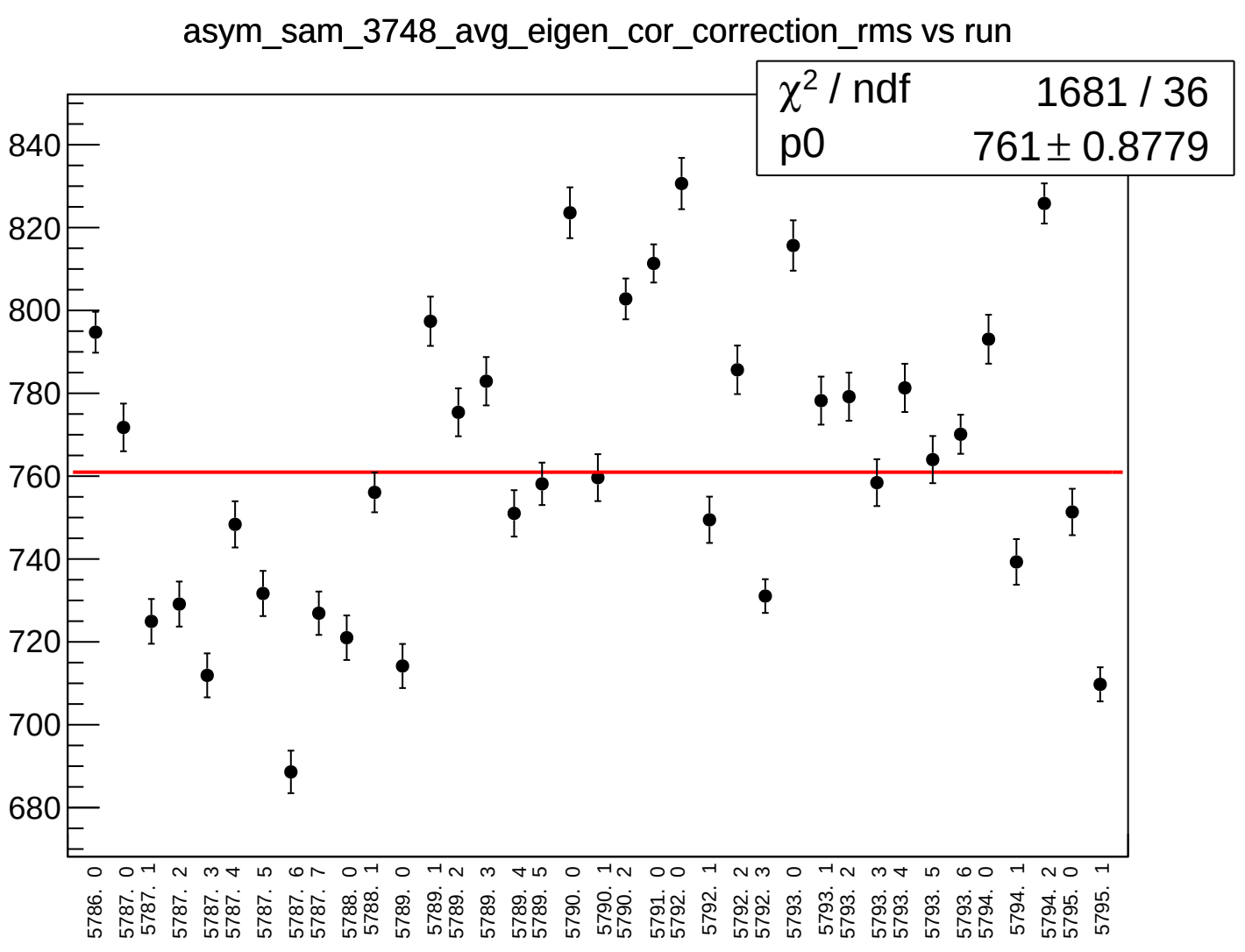

asym_sam_3748_avg_cor_correction_rms vs run
χ² / ndf 1681 / 36
p0 761 ± 0.8779
840
820
800
780
760
740
720
700
680
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

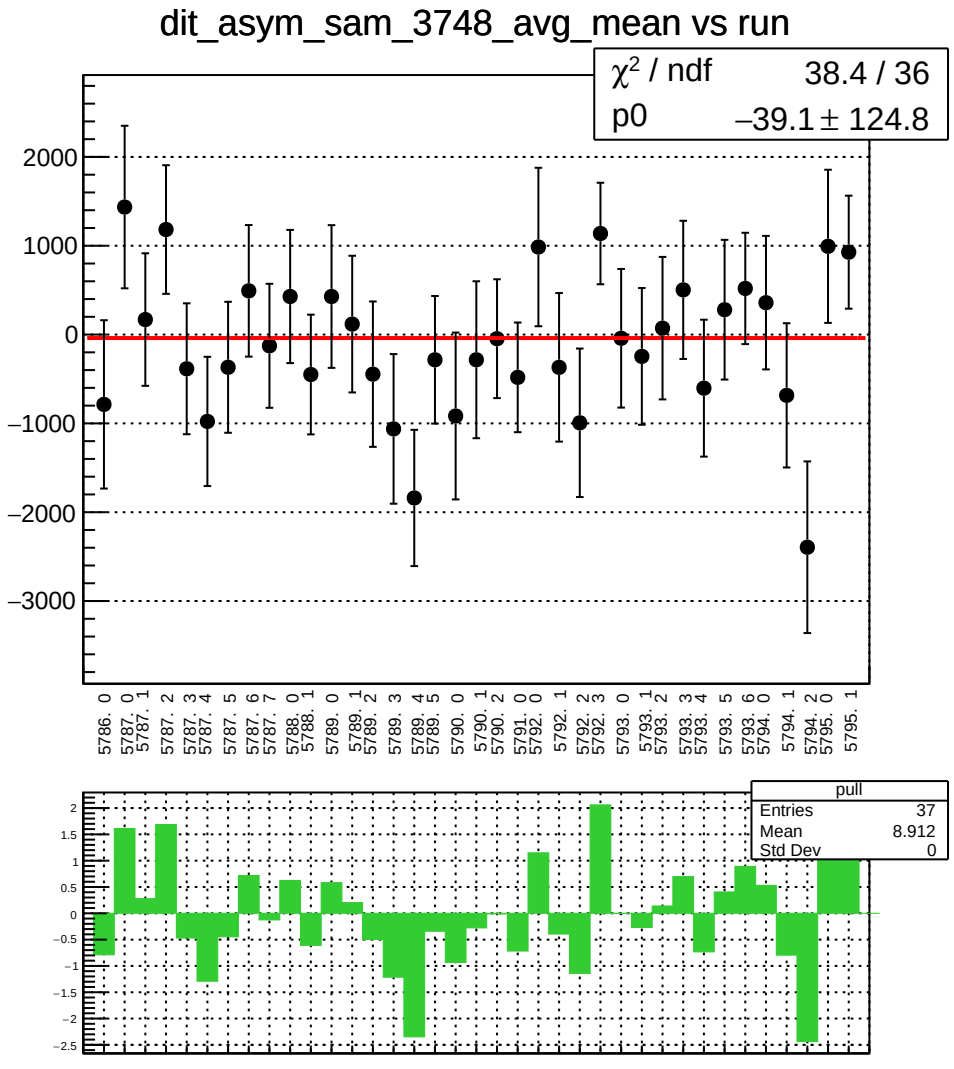

eigen_cor_asym_sam_3748_avg_mean vs run
χ² / ndf 35.89 / 36
p0 −111.3 ± 116.7
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.106
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02745
Std Dev 0.9845
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

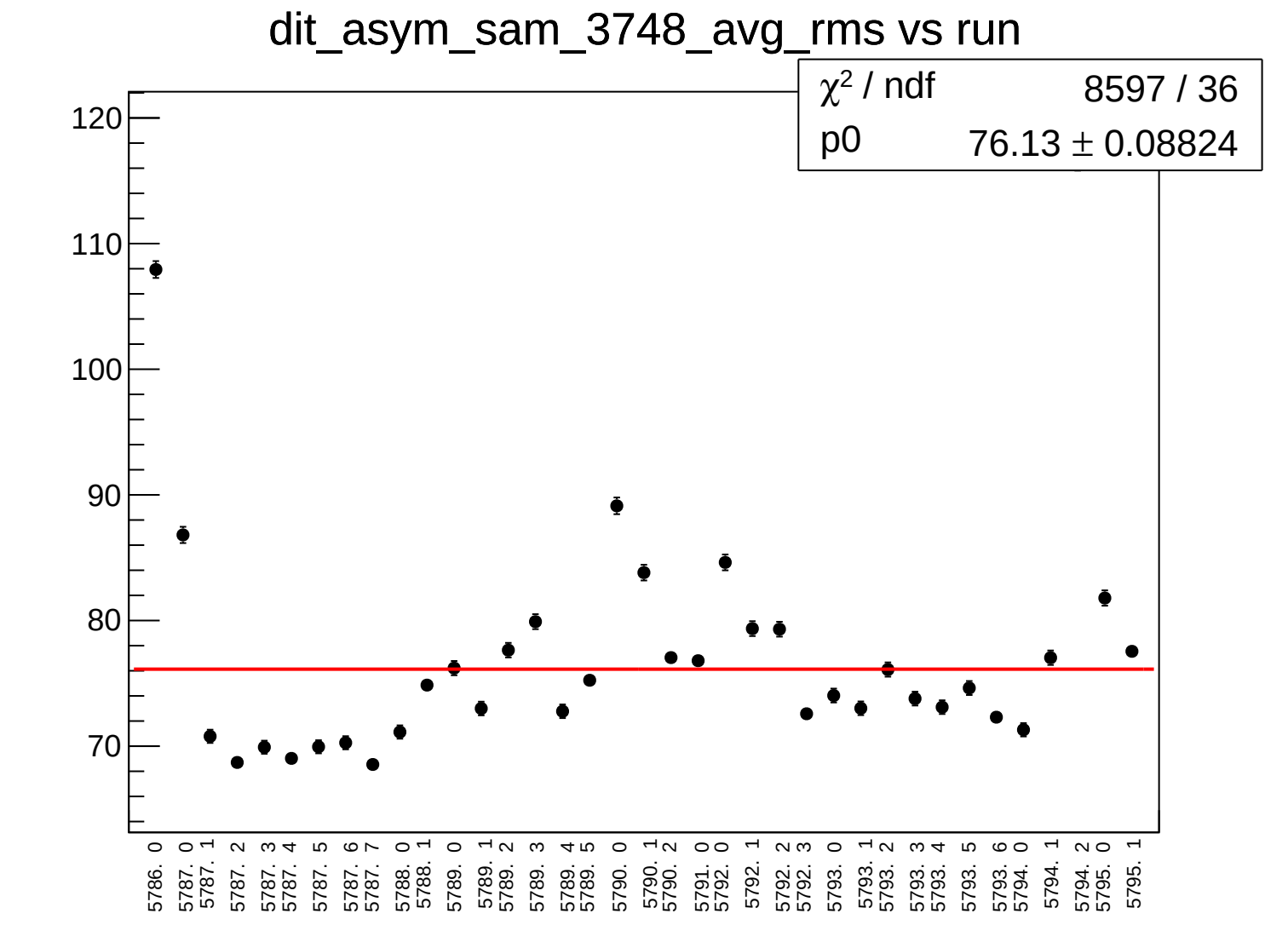

eigen_cor_asym_sam_3748_avg_rms vs run
χ² / ndf 1.011e+04 / 36
p0 71.15 ± 0.08255
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

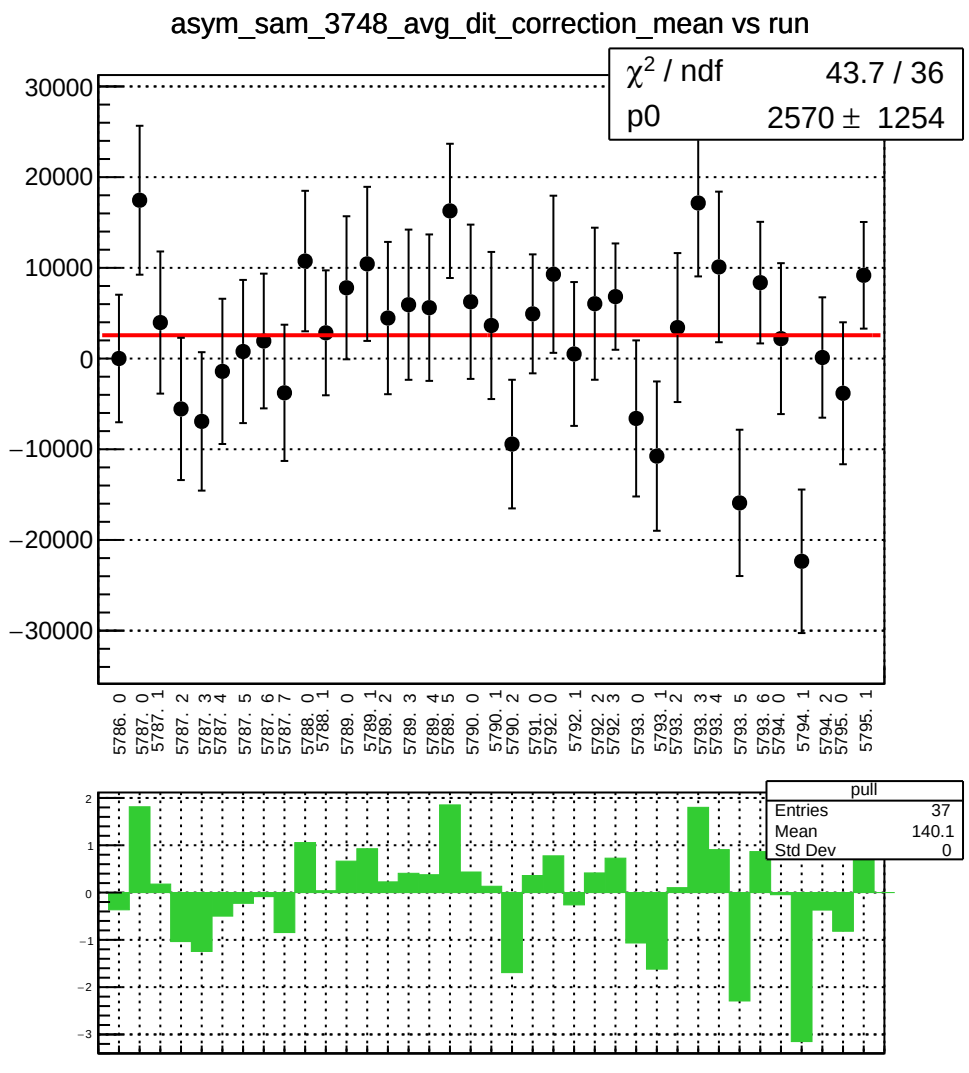

asym_sam_3748_avg_eigen_cor_correction_mean vs run
χ² / ndf 43.39 / 36
p0 2537 ± 1242
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 127.7
Std Dev 0
2
1
0
−1
−2
−3

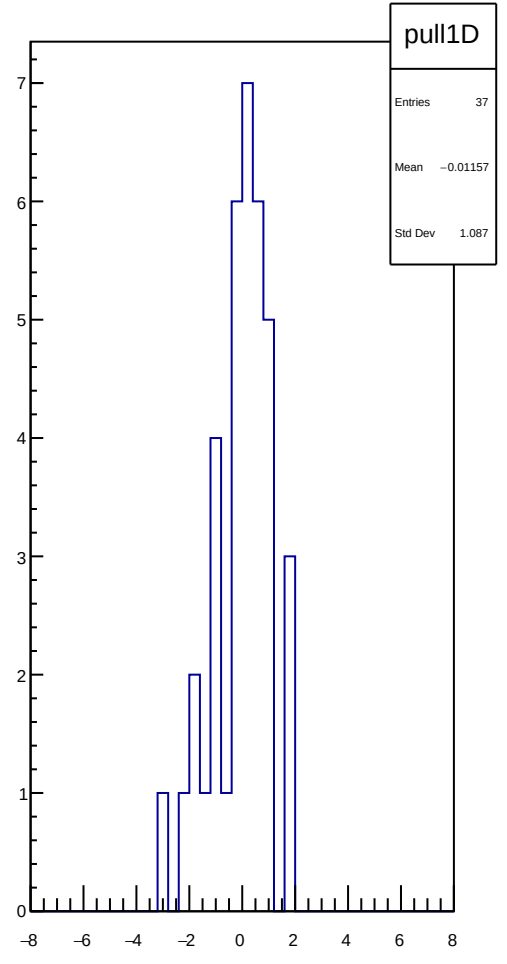

pull1D
Entries 37
Mean −0.0126
Std Dev 1.083
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

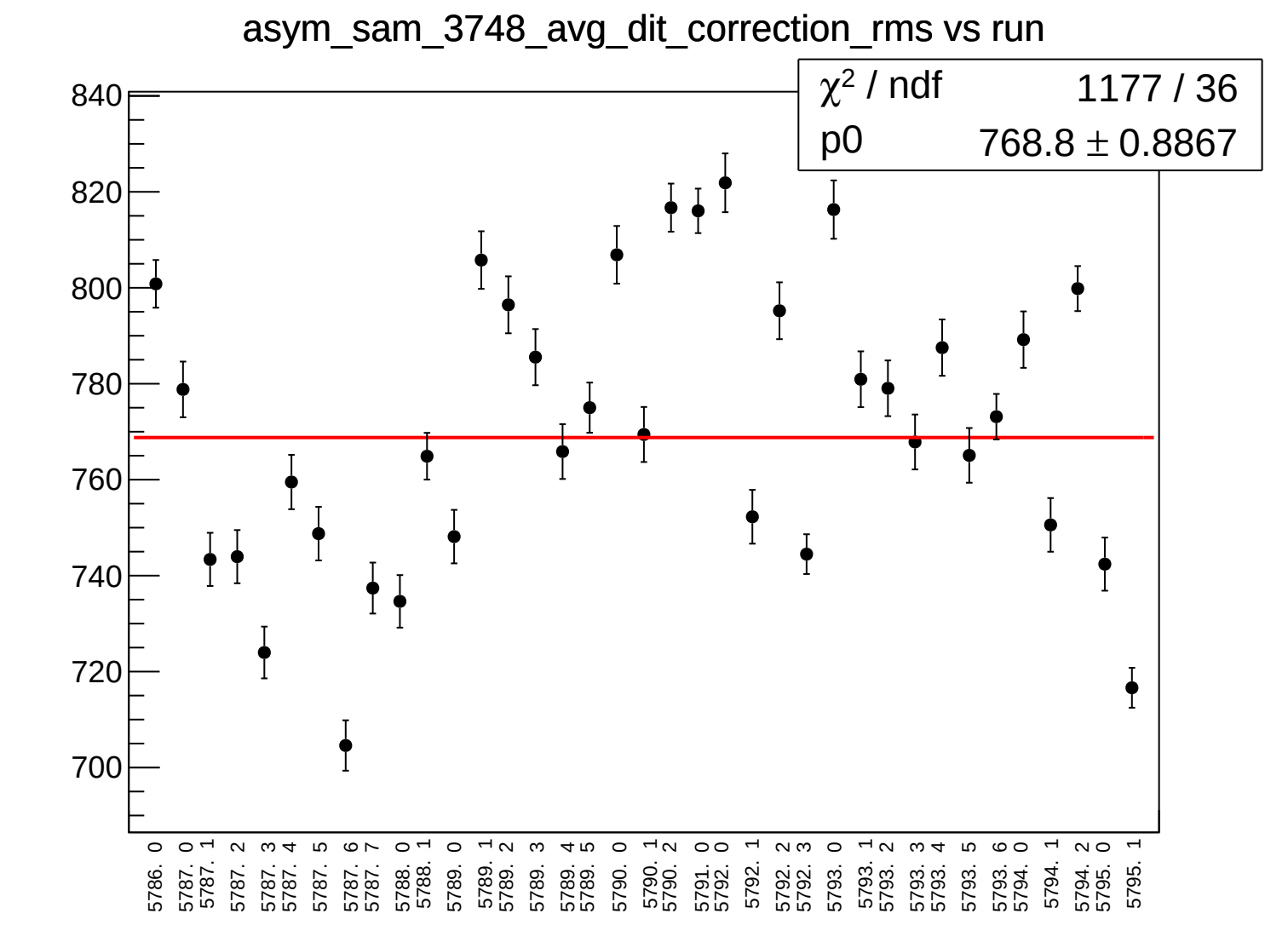

asym_sam_3748_avg_eigen_cor_correction_rms vs run
χ² / ndf 1681 / 36
p0 761 ± 0.8779
840
820
800
780
760
740
720
700
680
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


dit_asym_sam_3748_avg_mean vs run
χ² / ndf 38.4 / 36
p0 −39.1 ± 124.8
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 8.912
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.0417
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_3748_avg_rms vs run
χ² / ndf 8597 / 36
p0 76.13 ± 0.08824
120
110
100
90
80
70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_3748_avg_dit_correction_mean vs run
χ² / ndf 43.7 / 36
p0 2570 ± 1254
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 140.1
Std Dev 0
2
1
0
−1
−2
−3


pull1D
Entries 37
Mean −0.01157
Std Dev 1.087
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 1177 / 36
p0 768.8 ± 0.8867
840
820
800
780
760
740
720
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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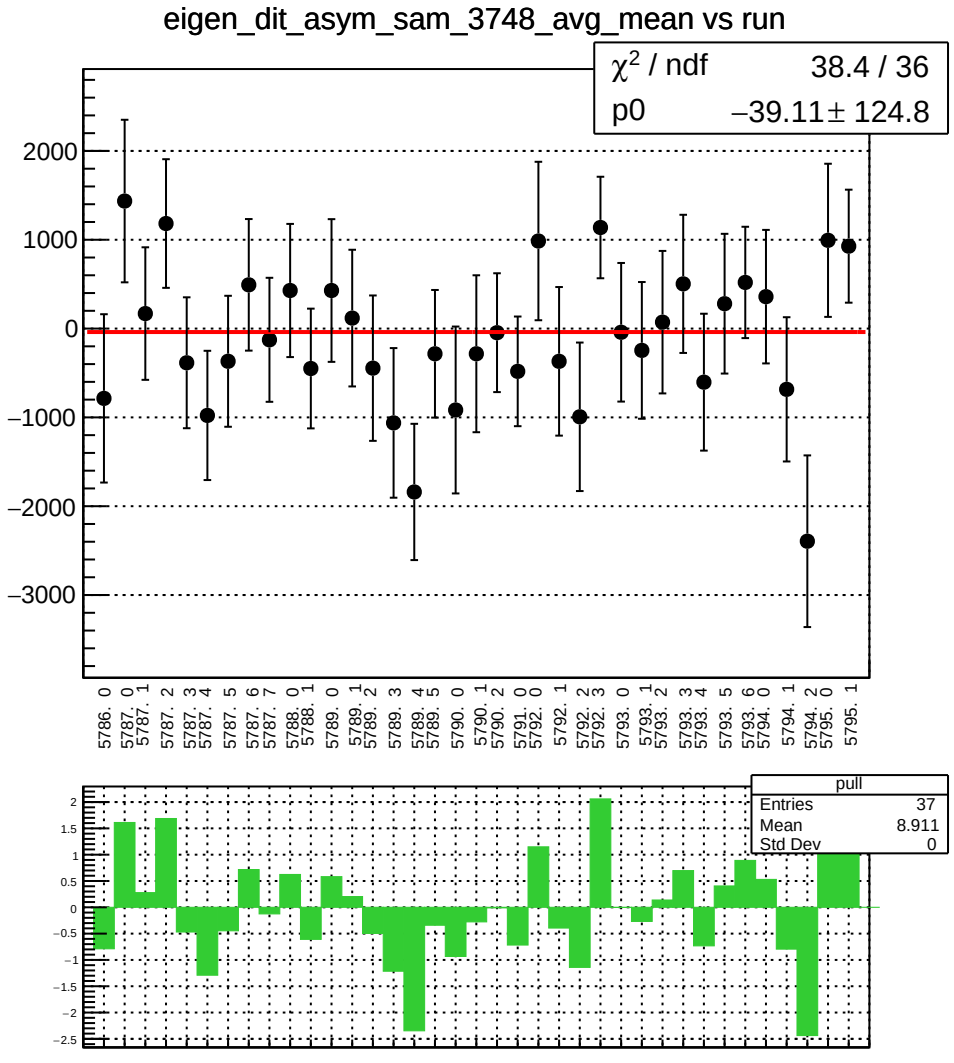
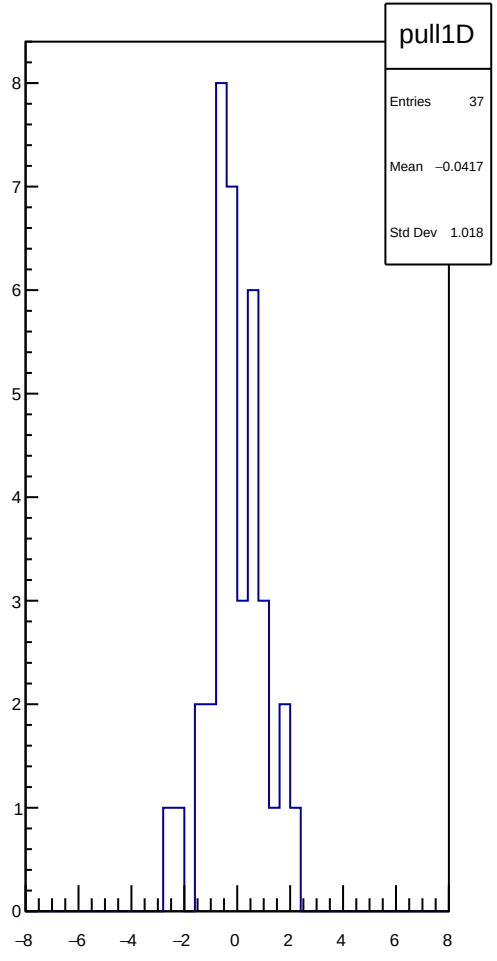
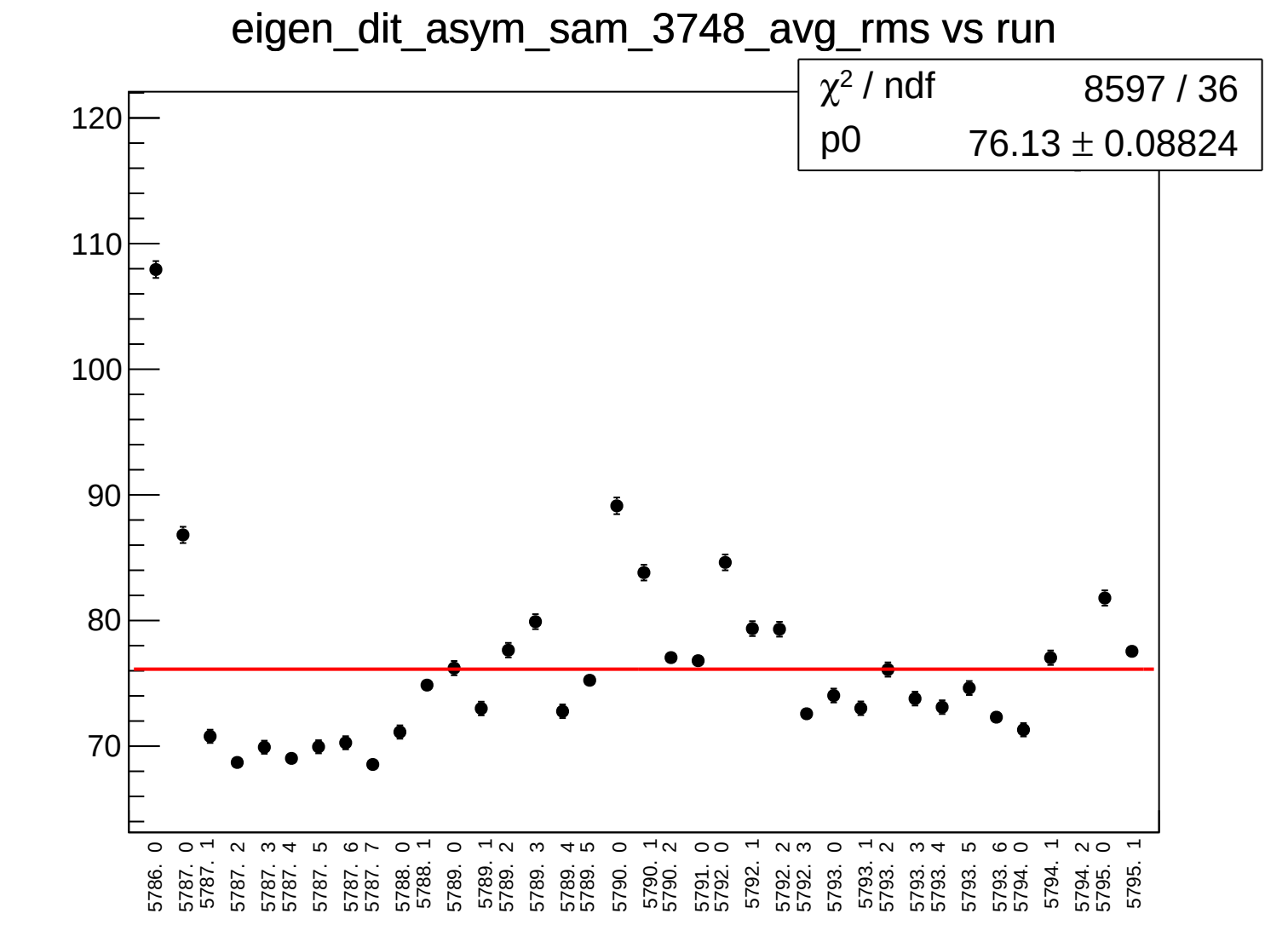
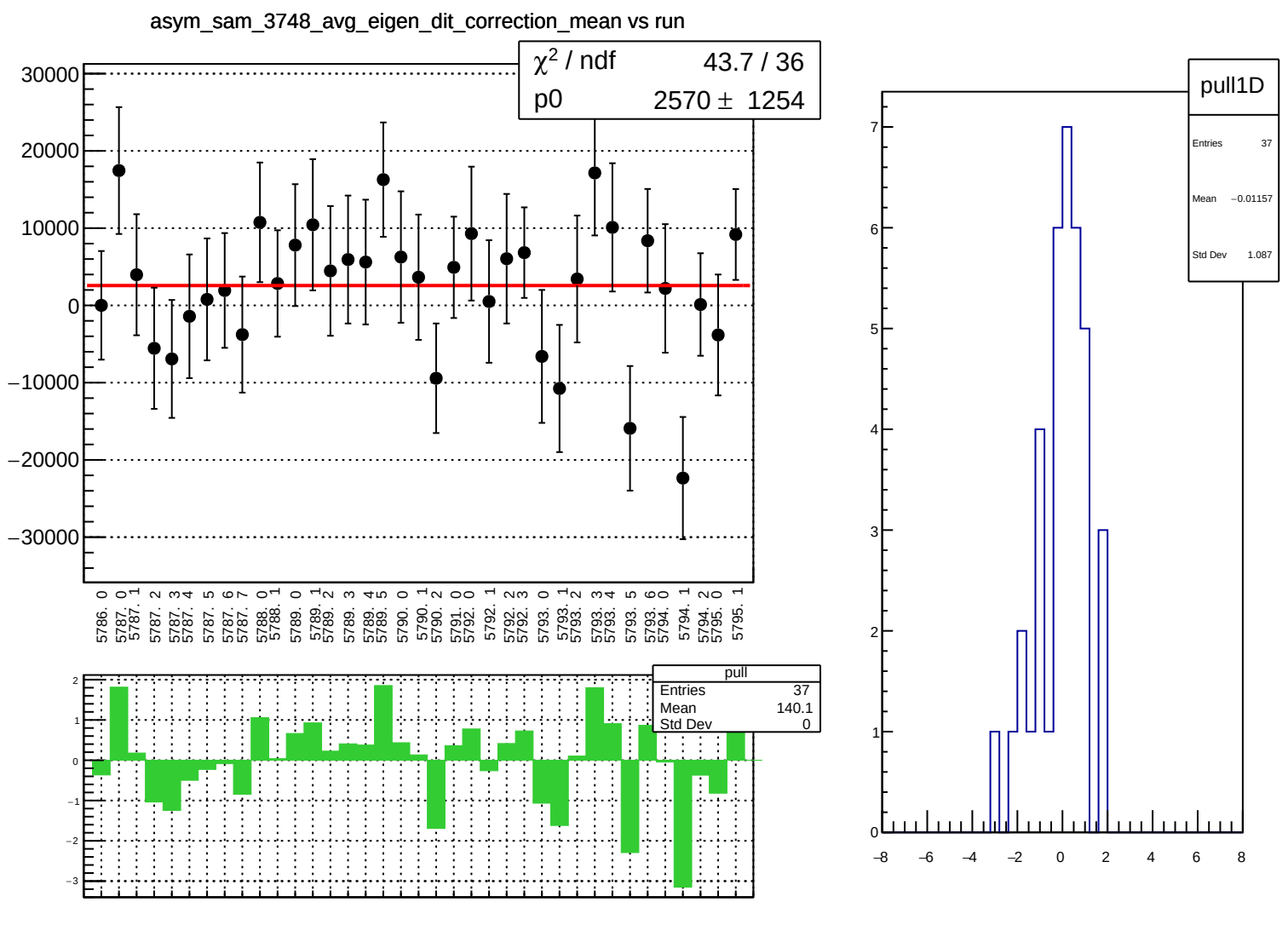
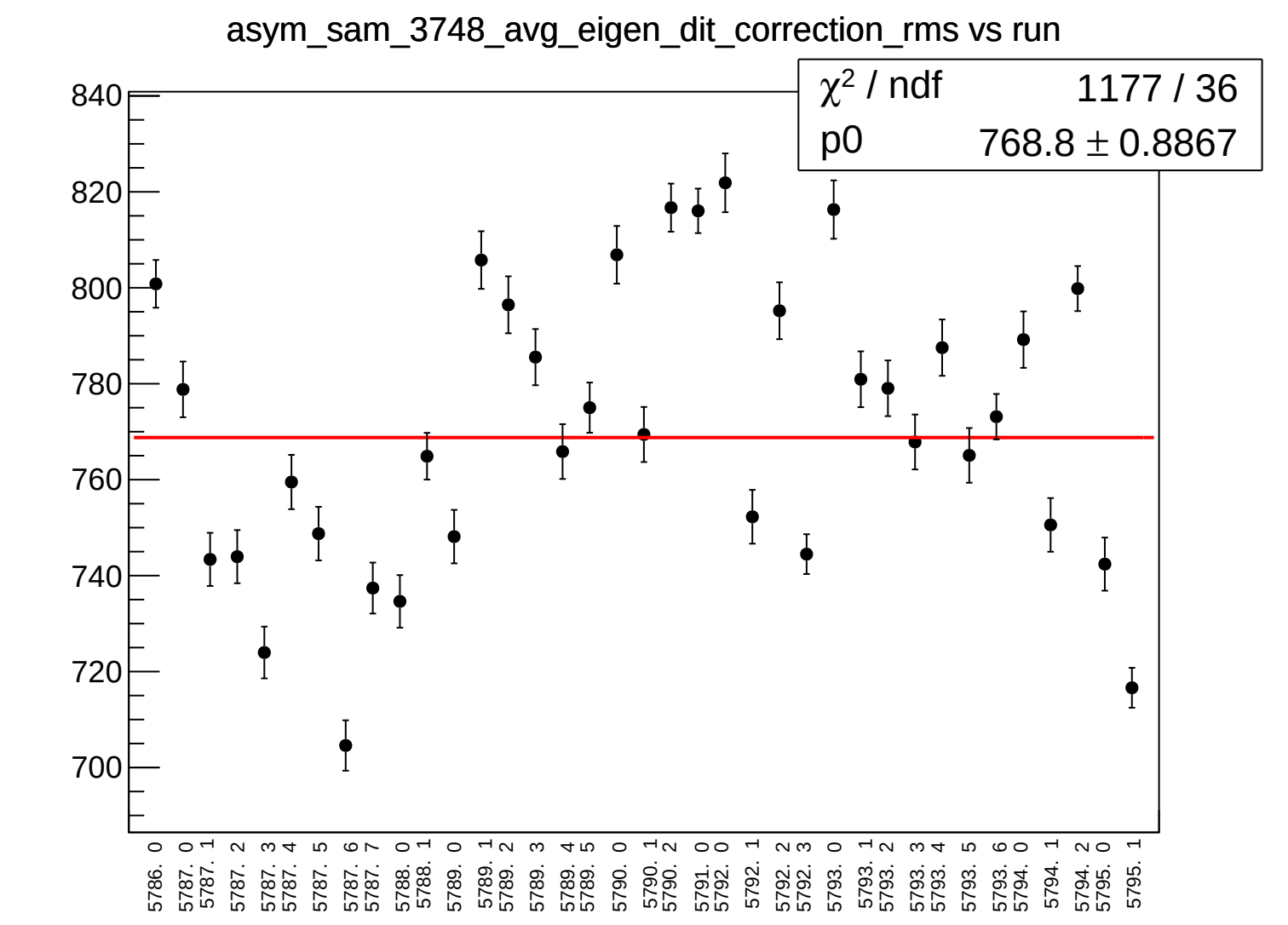
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

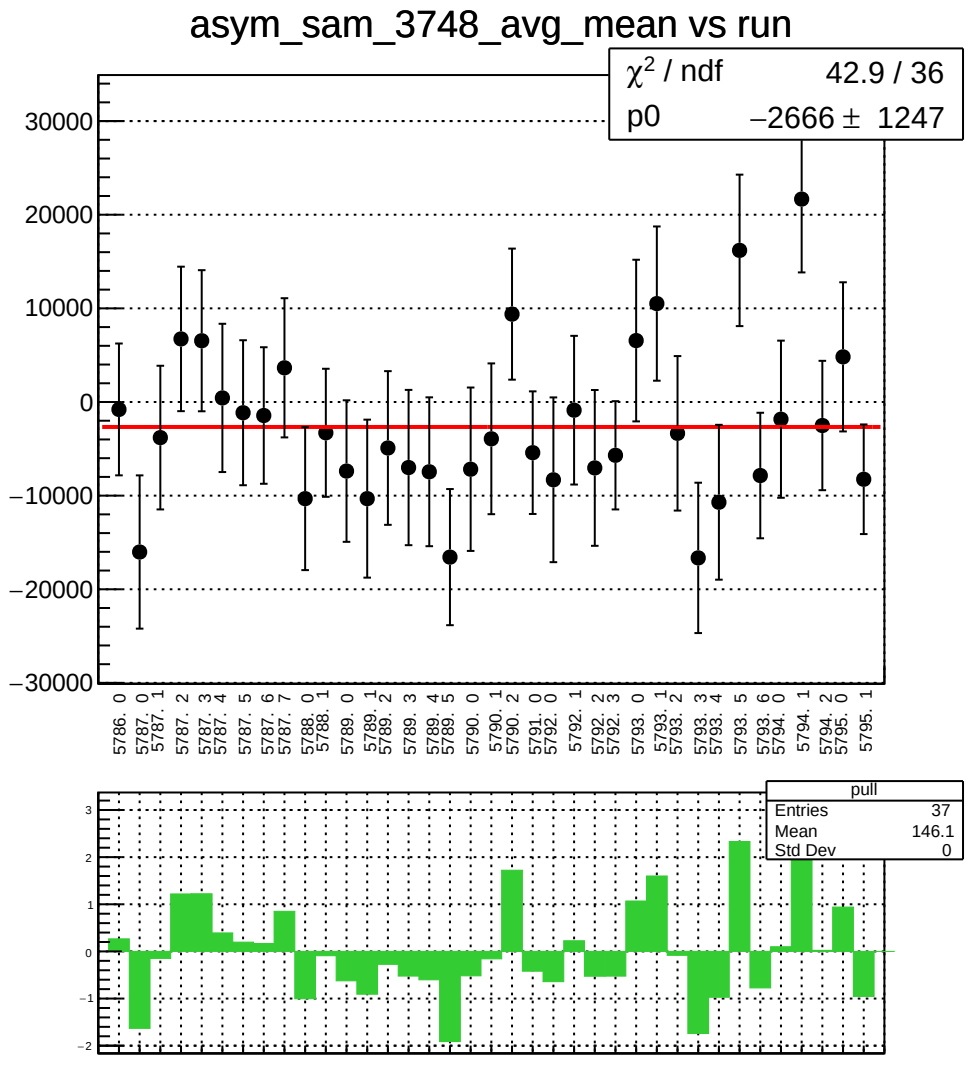

eigen_dit_asym_sam_3748_avg_mean vs run
χ² / ndf 38.4 / 36
p0 −39.11± 124.8
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 8.911
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

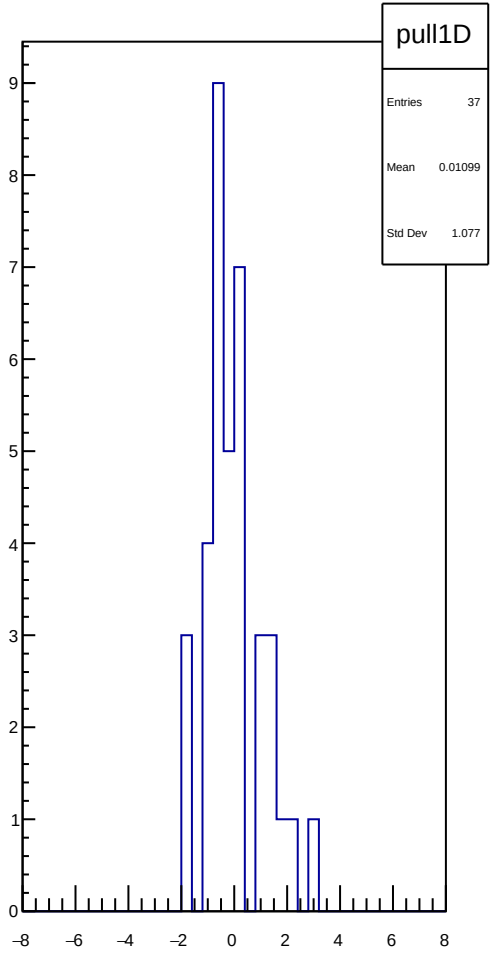

pull1D
Entries 37
Mean −0.0417
Std Dev 1.018
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

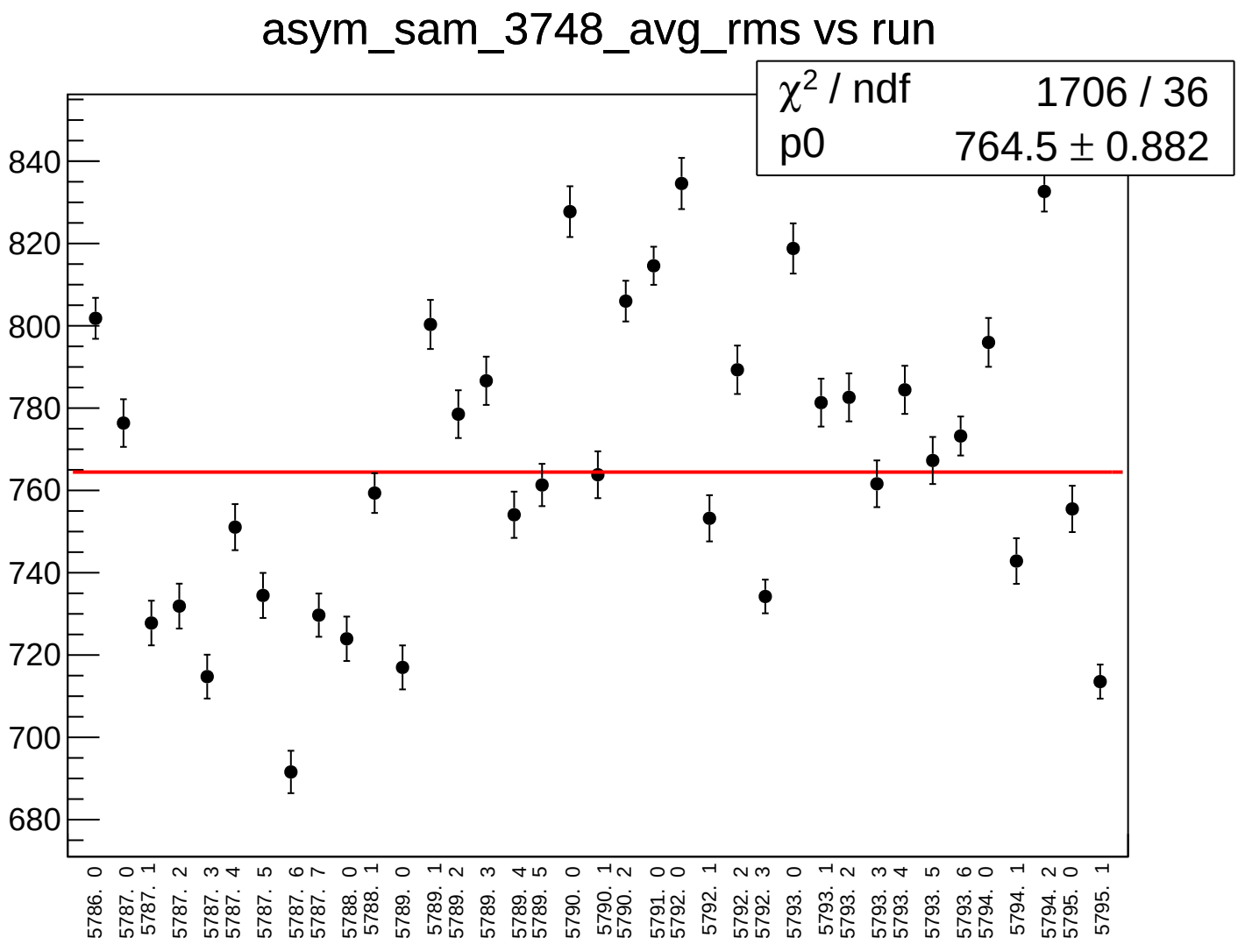

eigen_dit_asym_sam_3748_avg_rms vs run
χ² / ndf 8597 / 36
p0 76.13 ± 0.08824
120
110
100
90
80
70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

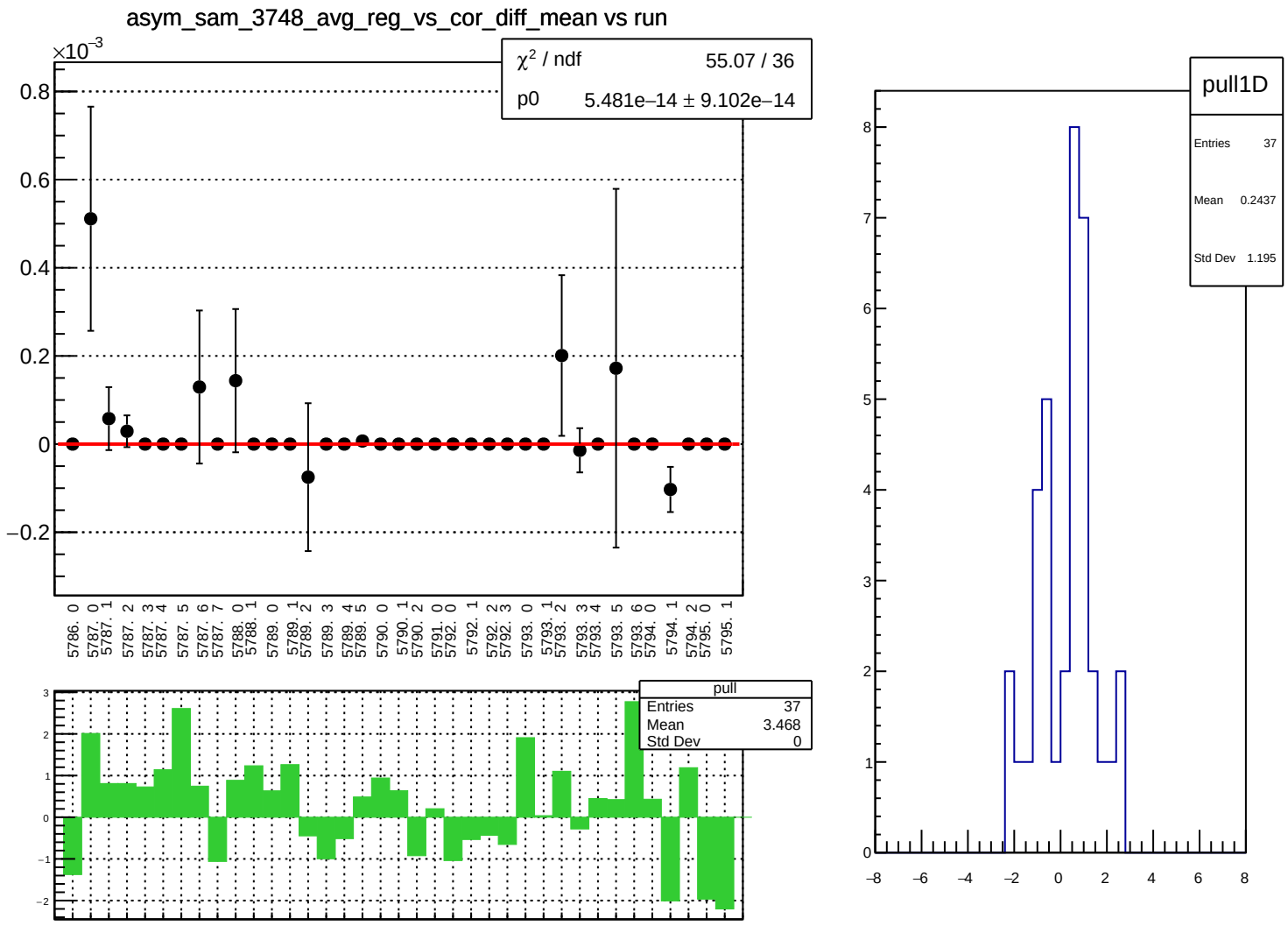

asym_sam_3748_avg_eigen_dit_correction_mean vs run
χ² / ndf 43.7 / 36
p0 2570 ± 1254
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 140.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01157
Std Dev 1.087
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

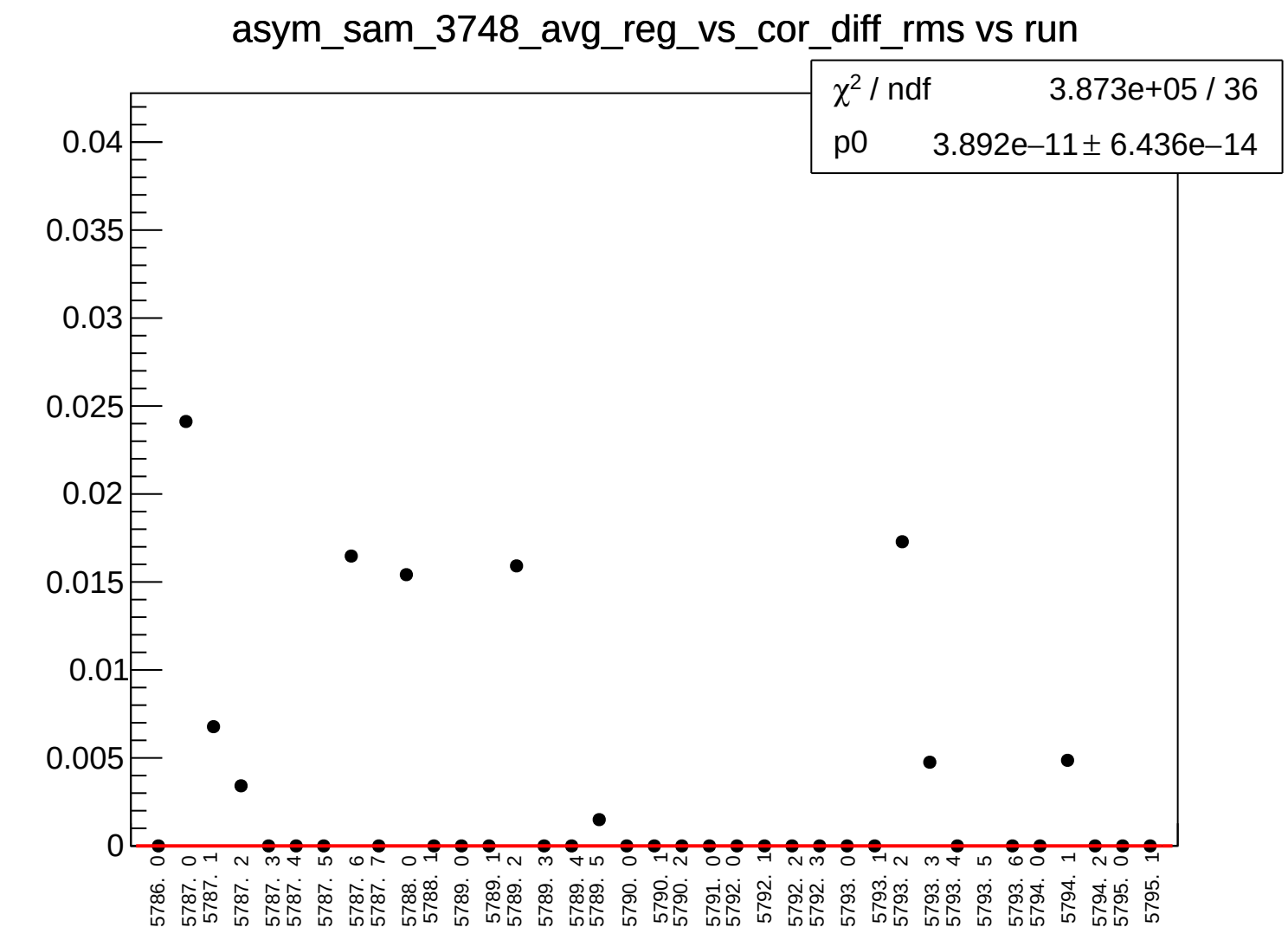

asym_sam_3748_avg_eigen_dit_correction_rms vs run
χ² / ndf 1177 / 36
p0 768.8 ± 0.8867
840
820
800
780
760
740
720
700
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

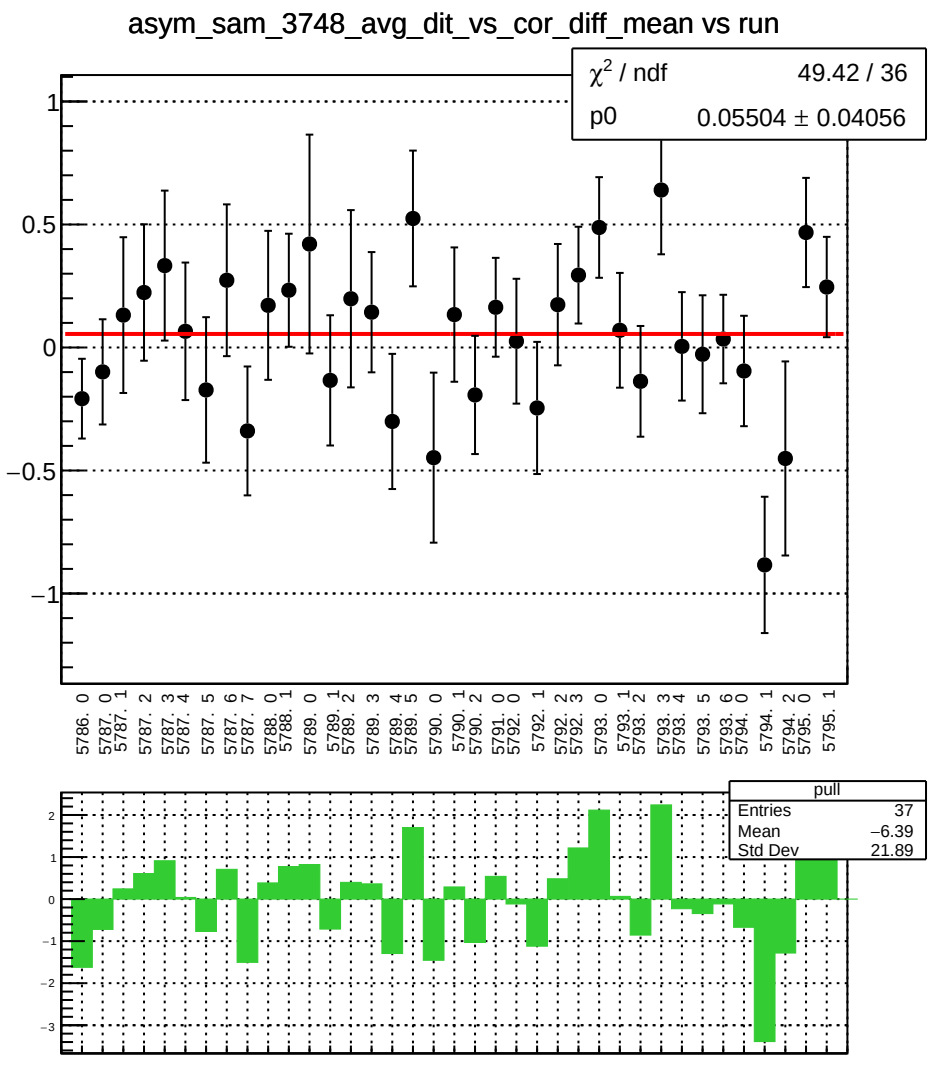

asym_sam_3748_avg_mean vs run
χ² / ndf 42.9 / 36
p0 −2666 ± 1247
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 146.1
Std Dev 0
3
2
1
0
−1
−2

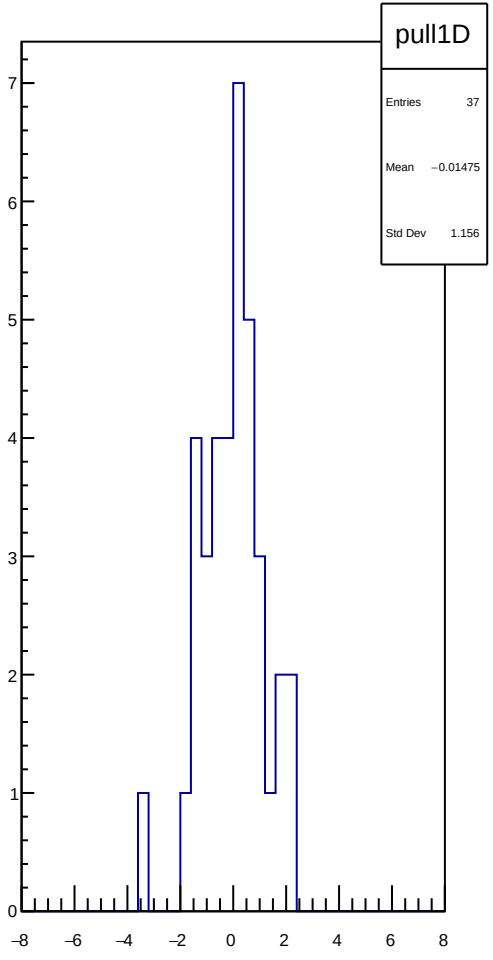

pull1D
Entries 37
Mean 0.01099
Std Dev 1.077
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

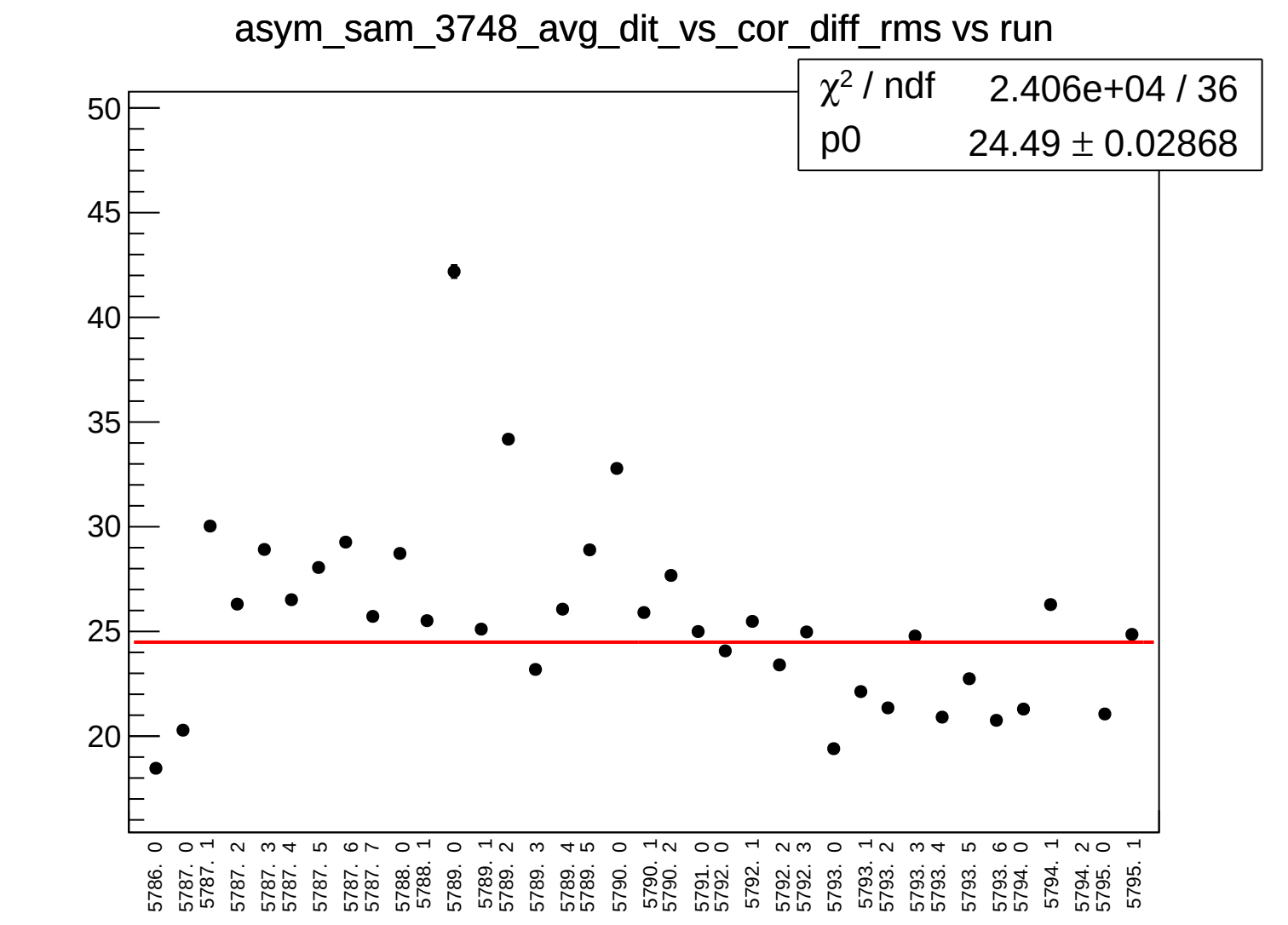

asym_sam_3748_avg_rms vs run
χ^2 / ndf 1706 / 36
p0 764.5 ± 0.882
840
820
800
780
760
740
720
700
680
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

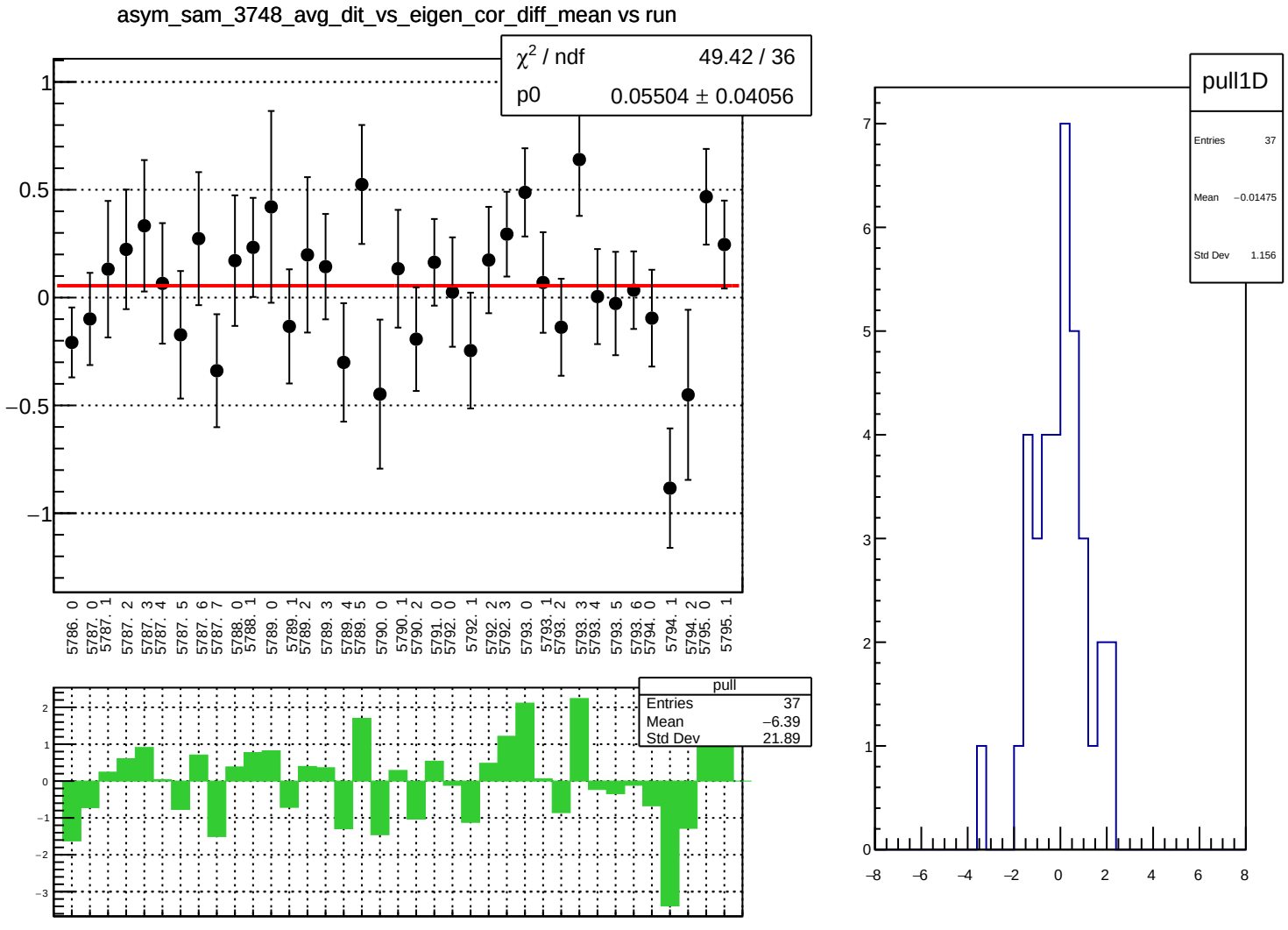

asym_sam_3748_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 55.07 / 36
p0 5.481e−14 ± 9.102e−14
0.8
0.6
0.4
0.2
0
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3.468
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.2437
Std Dev 1.195
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

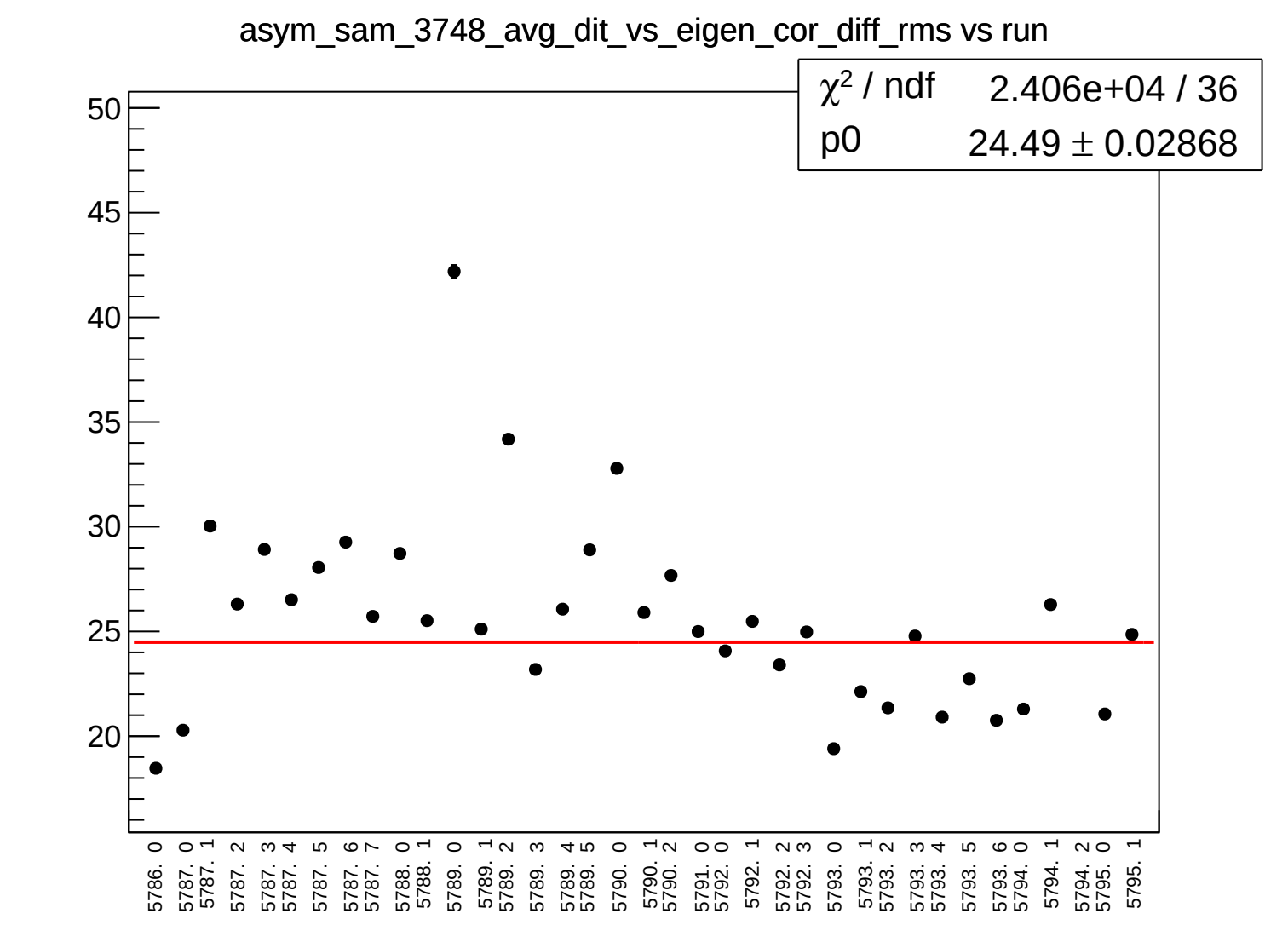

asym_sam_3748_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.873e+05 / 36
p0 3.892e−11 ± 6.436e−14
0.04
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

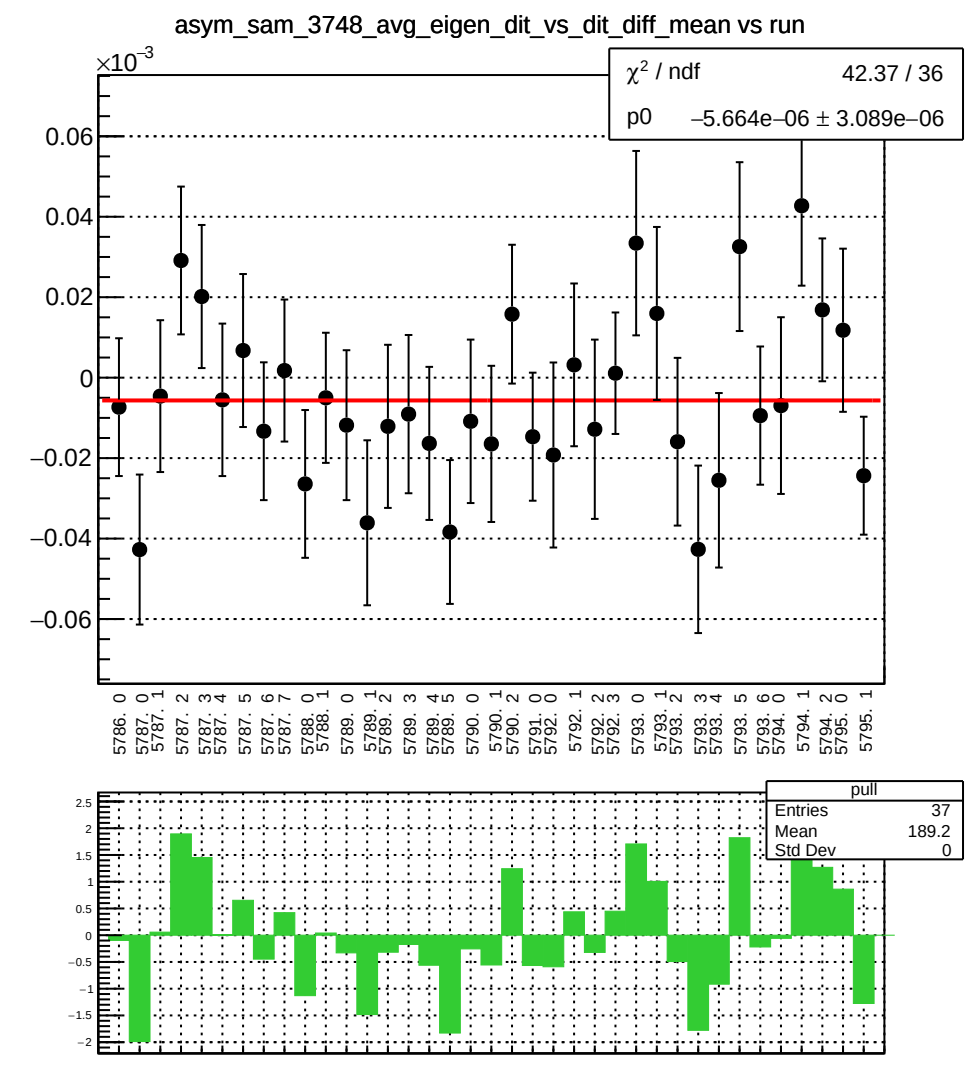

asym_sam_3748_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.42 / 36
p0 0.05504 ± 0.04056
pull
Entries 37
Mean −6.39
Std Dev 21.89

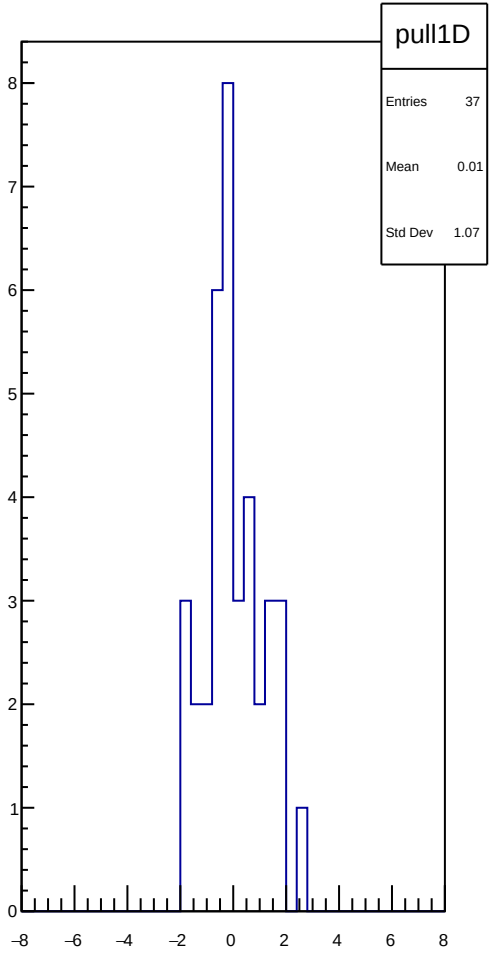

pull1D
Entries 37
Mean −0.01475
Std Dev 1.156

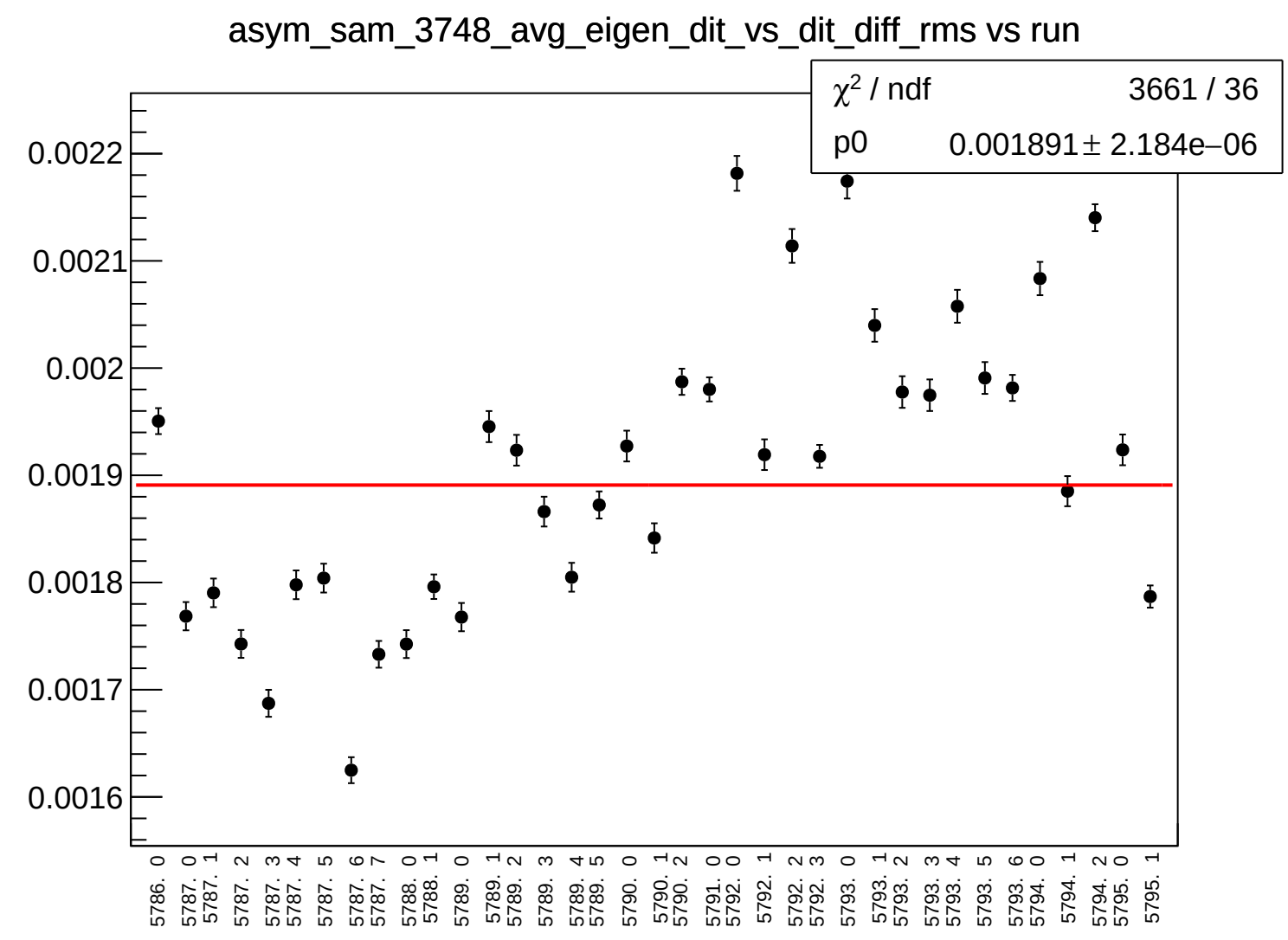

asym_sam_3748_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.406e+04 / 36
p0 24.49 ± 0.02868
50
45
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

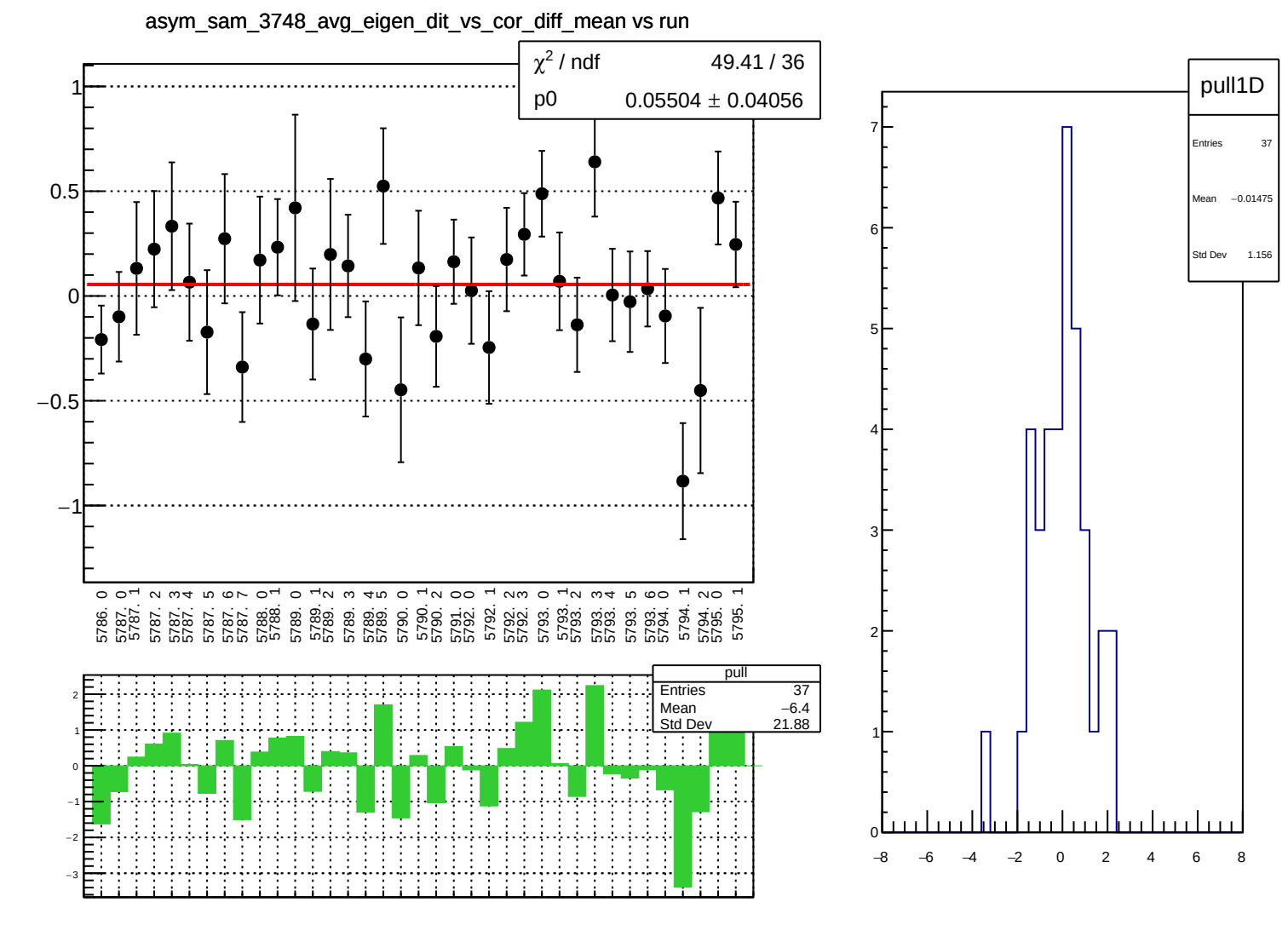

asym_sam_3748_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.42 / 36
p0 0.05504 ± 0.04056
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.39
Std Dev 21.89
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01475
Std Dev 1.156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

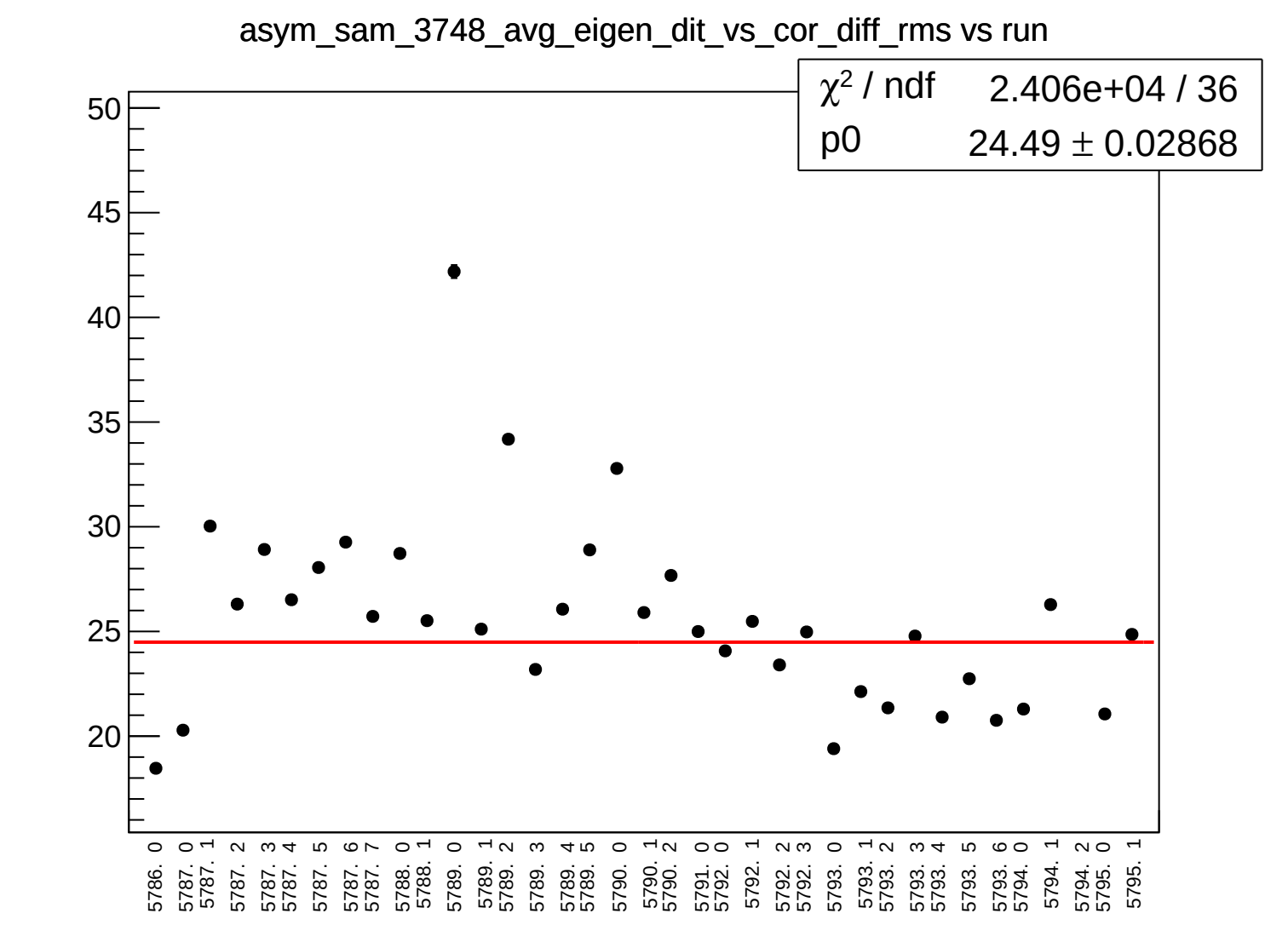

asym_sam_3748_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.406e+04 / 36
p0 24.49 ± 0.02868
50
45
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

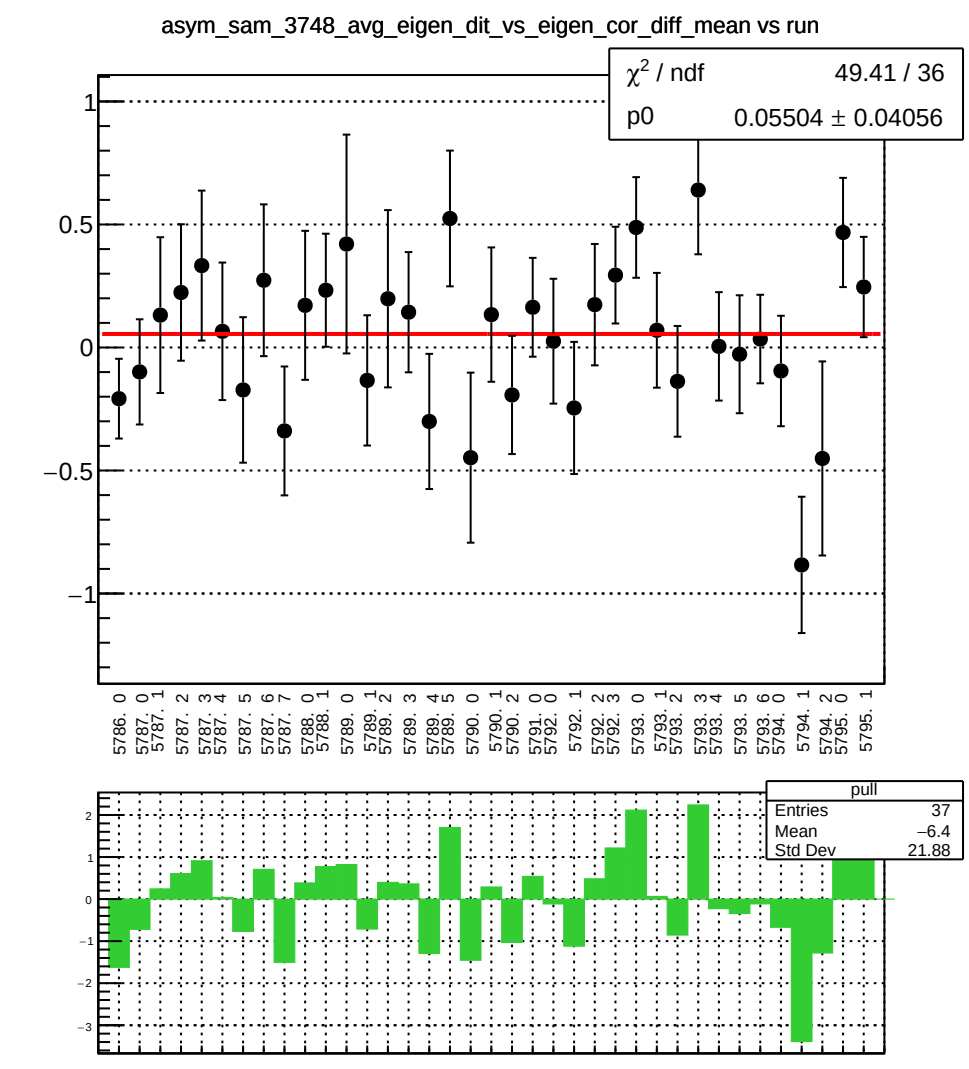

asym_sam_3748_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.37 / 36
p0 −5.664e−06 ± 3.089e−06
0.06
0.04
0.02
0
−0.02
−0.04
−0.06
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 189.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

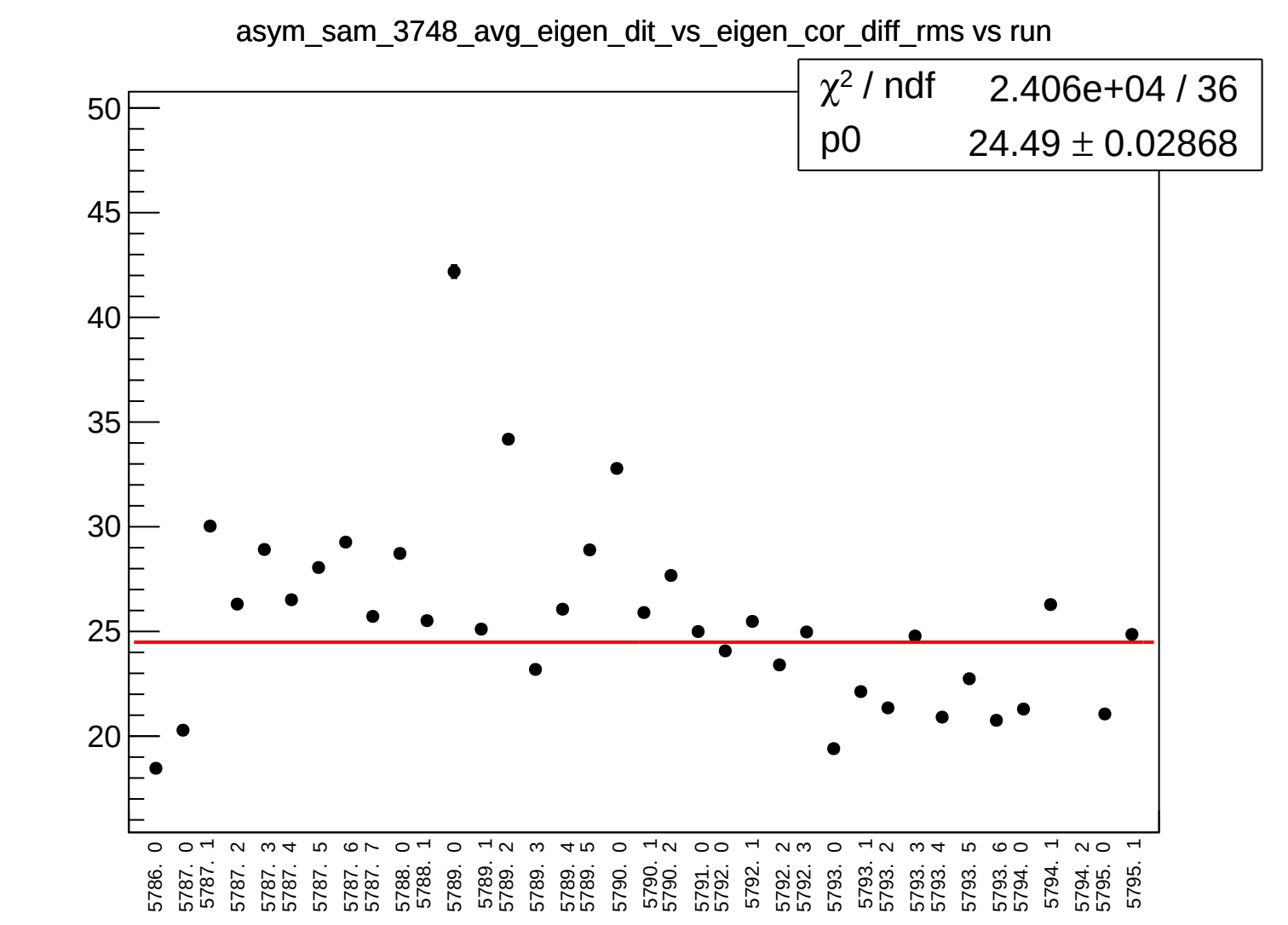

pull1D
Entries 37
Mean 0.01
Std Dev 1.07
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

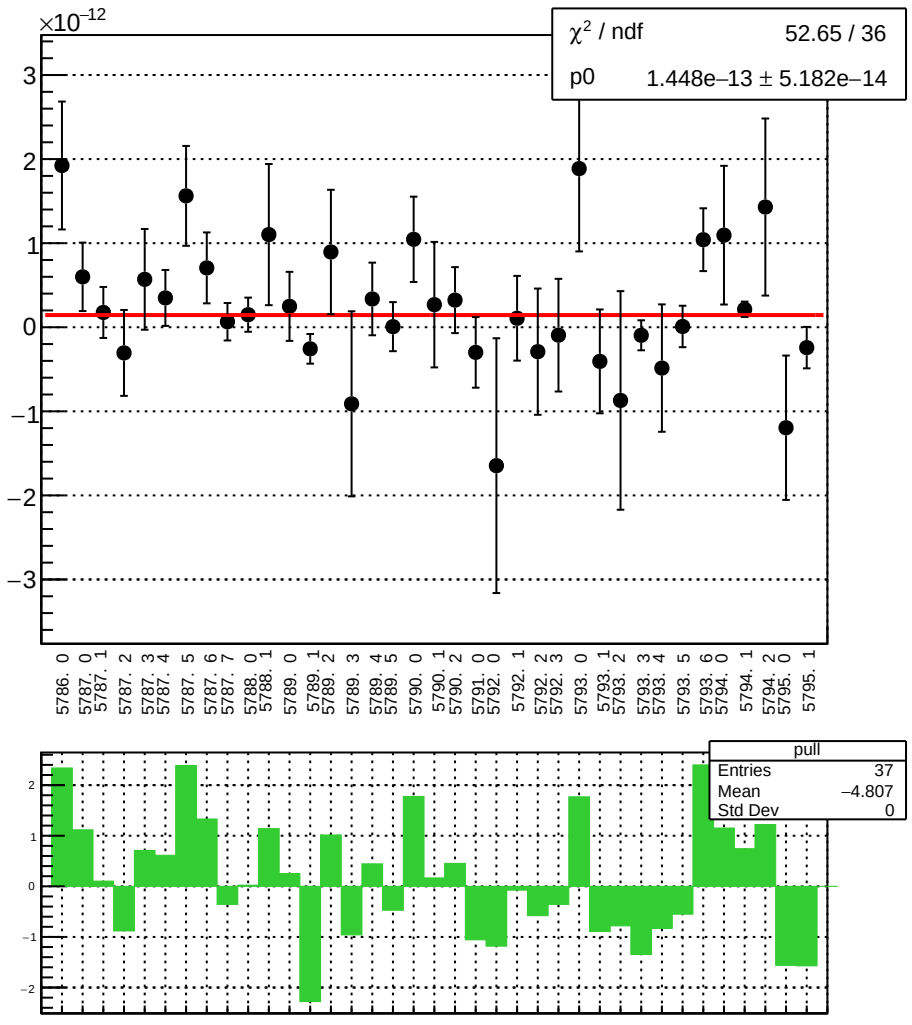

asym_sam_3748_avg_eigen_dit_vs_dit_diff_rms vs run
χ2 / ndf 3661 / 36
p0 0.001891 ± 2.184e−06
0.0022
0.0021
0.002
0.0019
0.0018
0.0017
0.0016
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

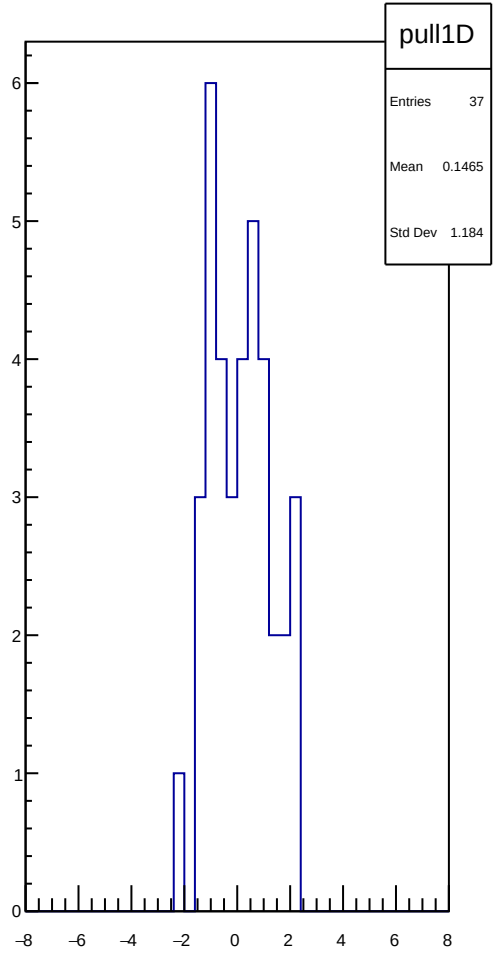

asym_sam_3748_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.41 / 36
p0 0.05504 ± 0.04056
pull
Entries 37
Mean −6.4
Std Dev 21.88
pull1D
Entries 37
Mean −0.01475
Std Dev 1.156

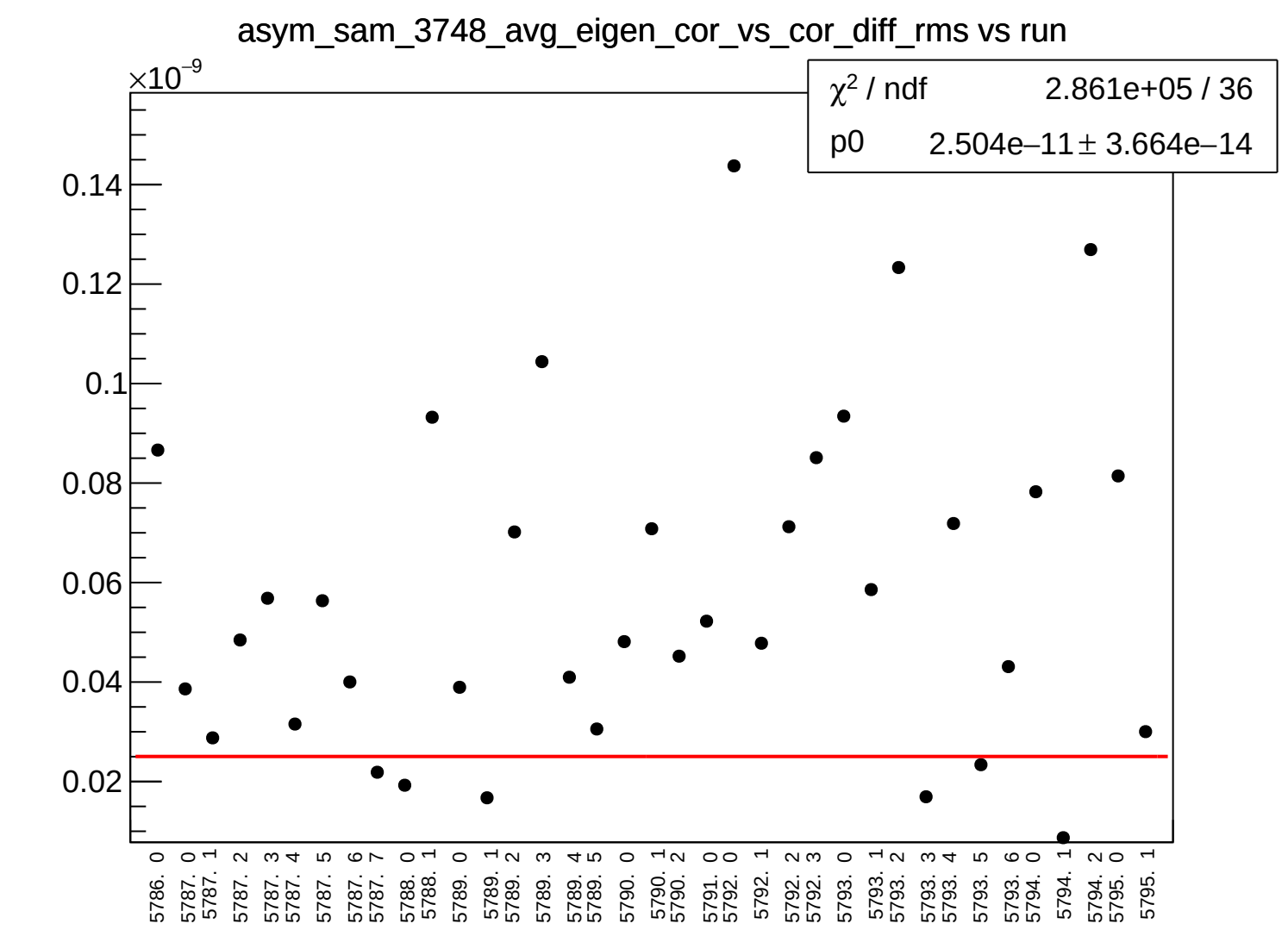

asym_sam_3748_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.406e+04 / 36
p0 24.49 ± 0.02868
50
45
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

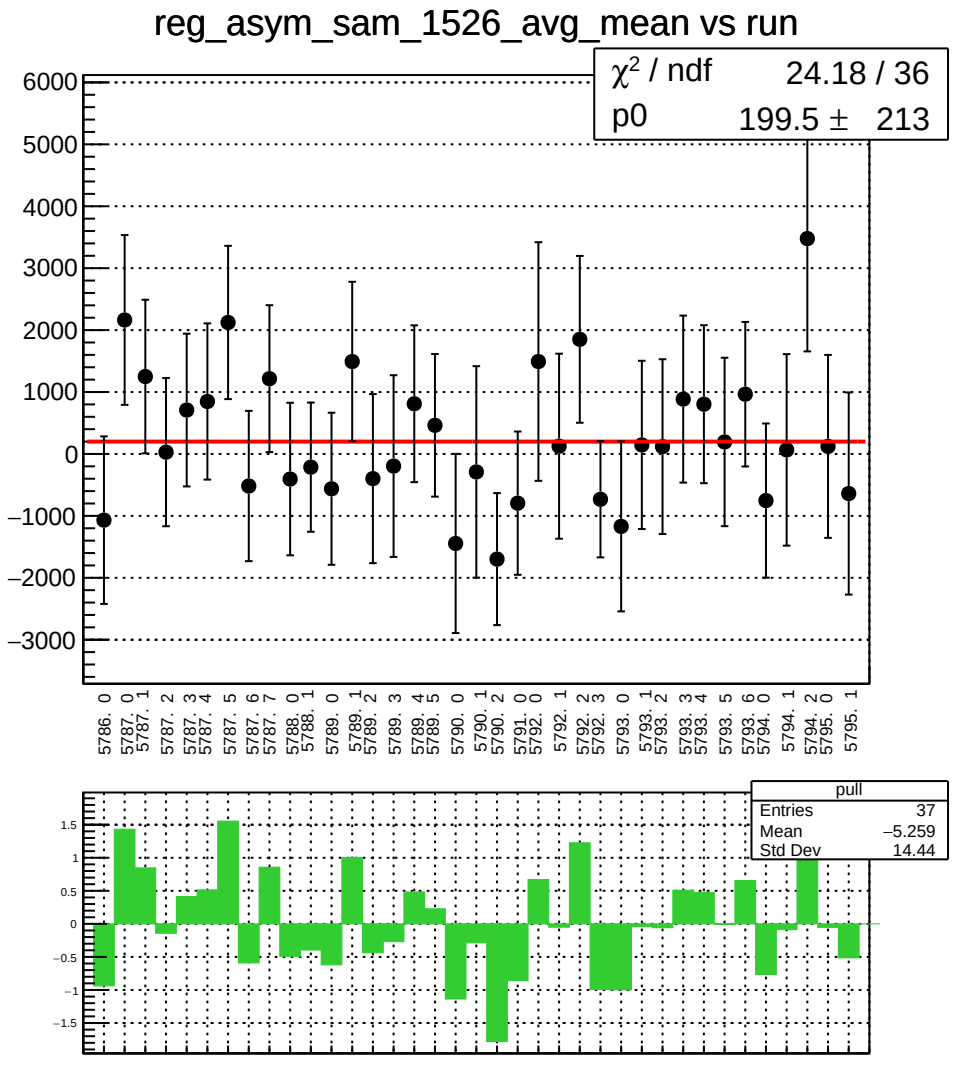

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.41 / 36
p0 0.05504 ± 0.04056
1
0.5
0
−0.5
−1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.4
Std Dev 21.88
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01475
Std Dev 1.156
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

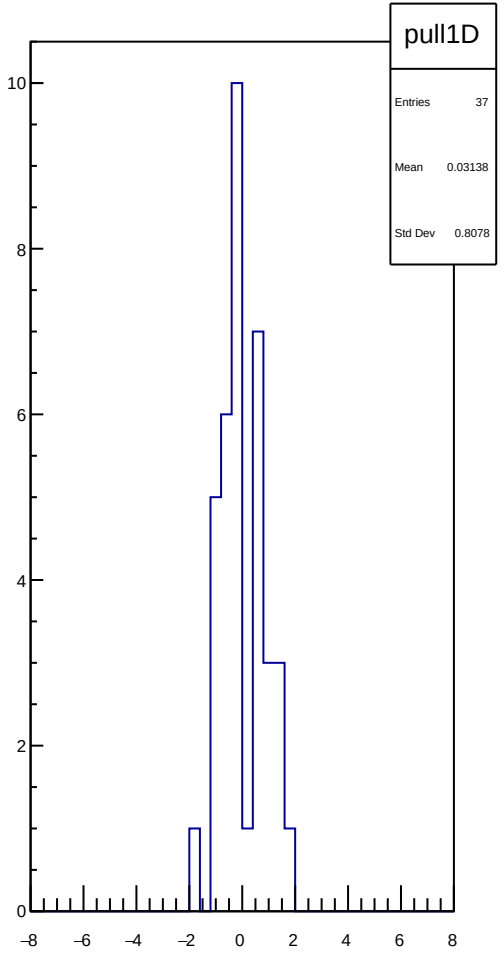

asym_sam_3748_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.406e+04 / 36
p0 24.49 ± 0.02868
50
45
40
35
30
25
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

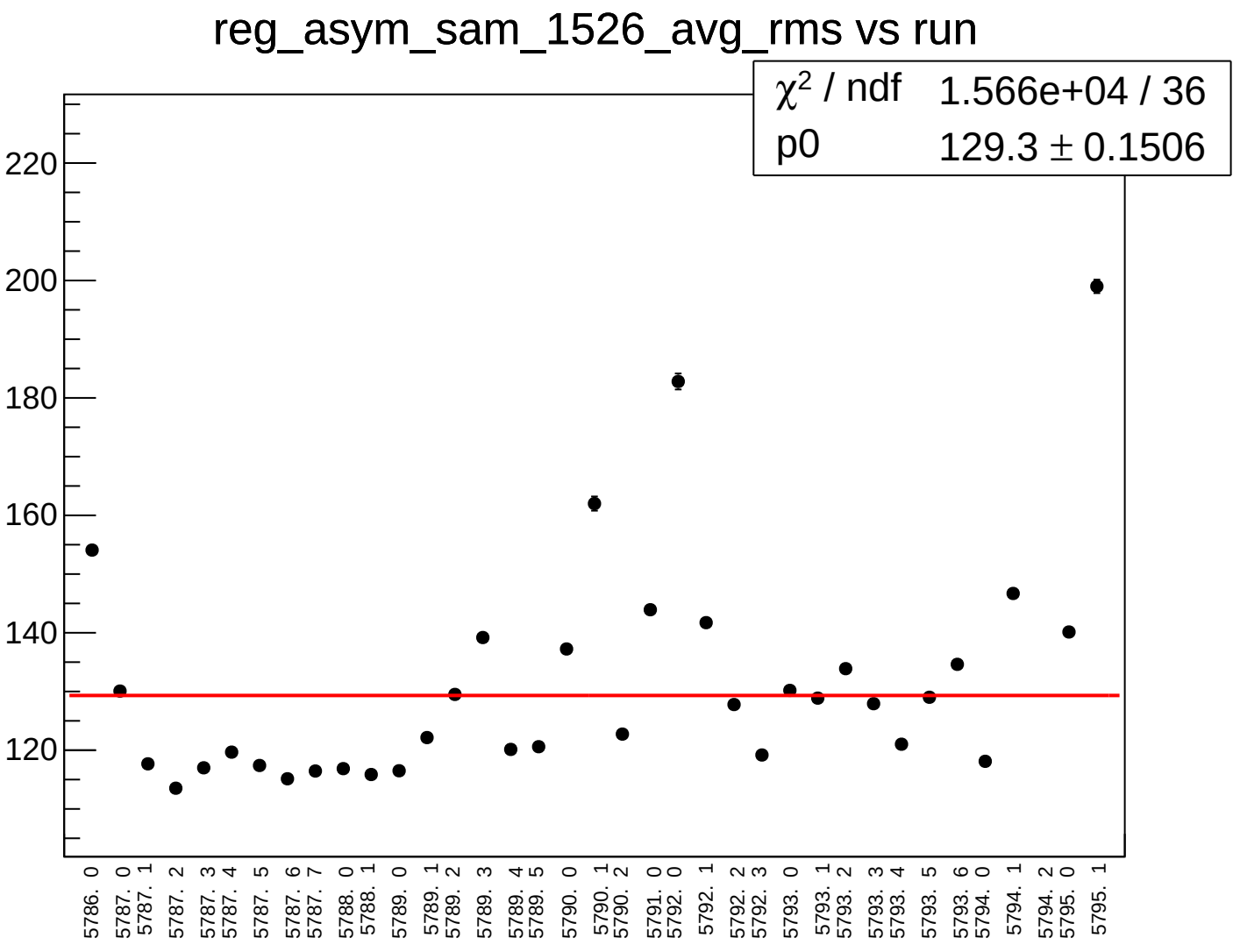

asym_sam_3748_avg_eigen_cor_vs_cor_diff_mean vs run
×10−12
χ2 / ndf 52.65 / 36
p0 1.448e−13 ± 5.182e−14
pull
Entries 37
Mean −4.807
Std Dev 0

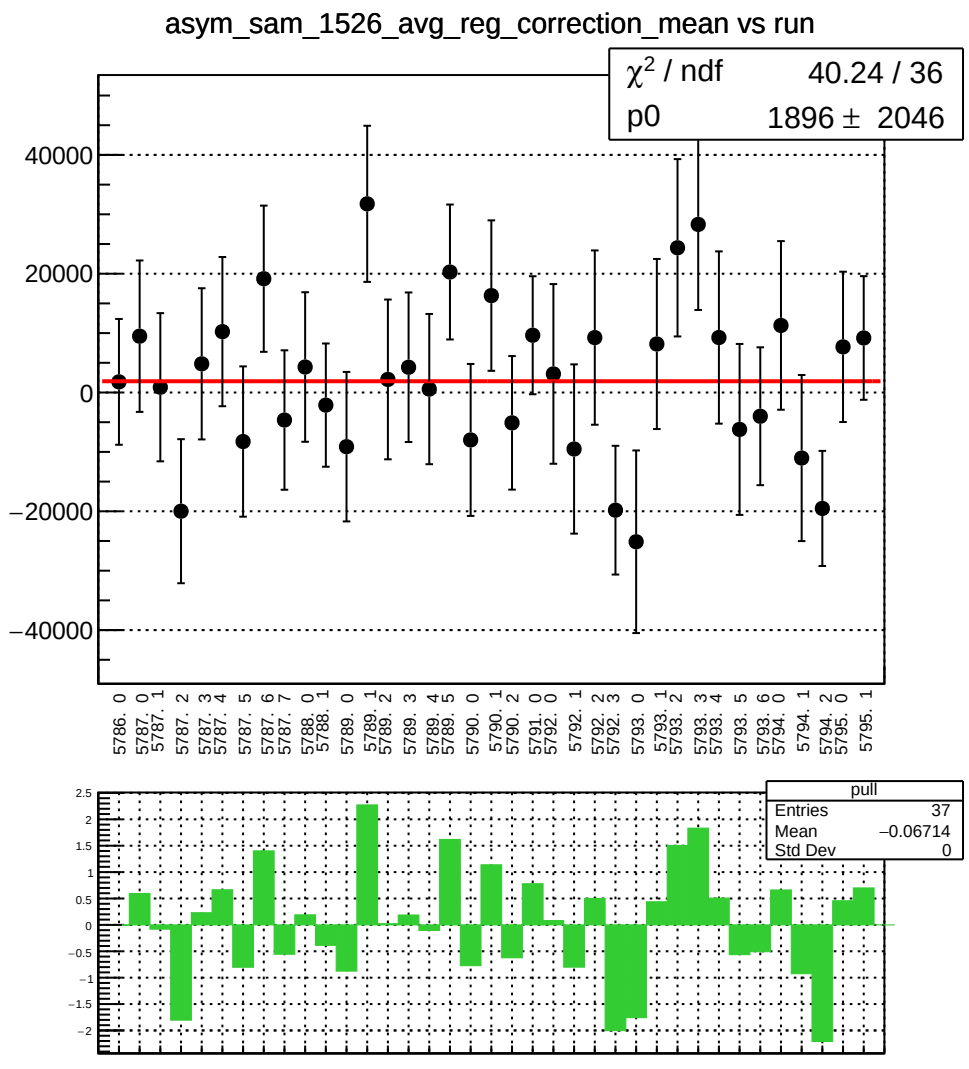

pull1D
Entries 37
Mean 0.1465
Std Dev 1.184

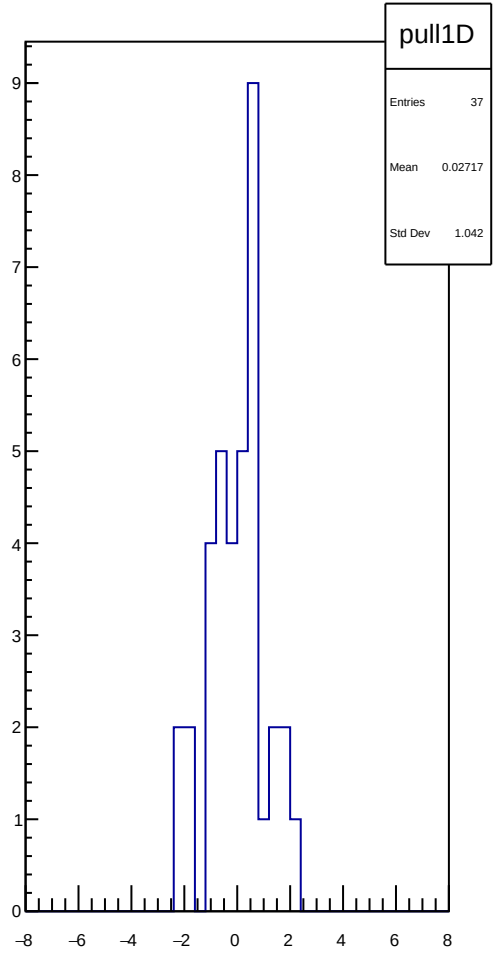

asym_sam_3748_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.861e+05 / 36
p0 2.504e−11 ± 3.664e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

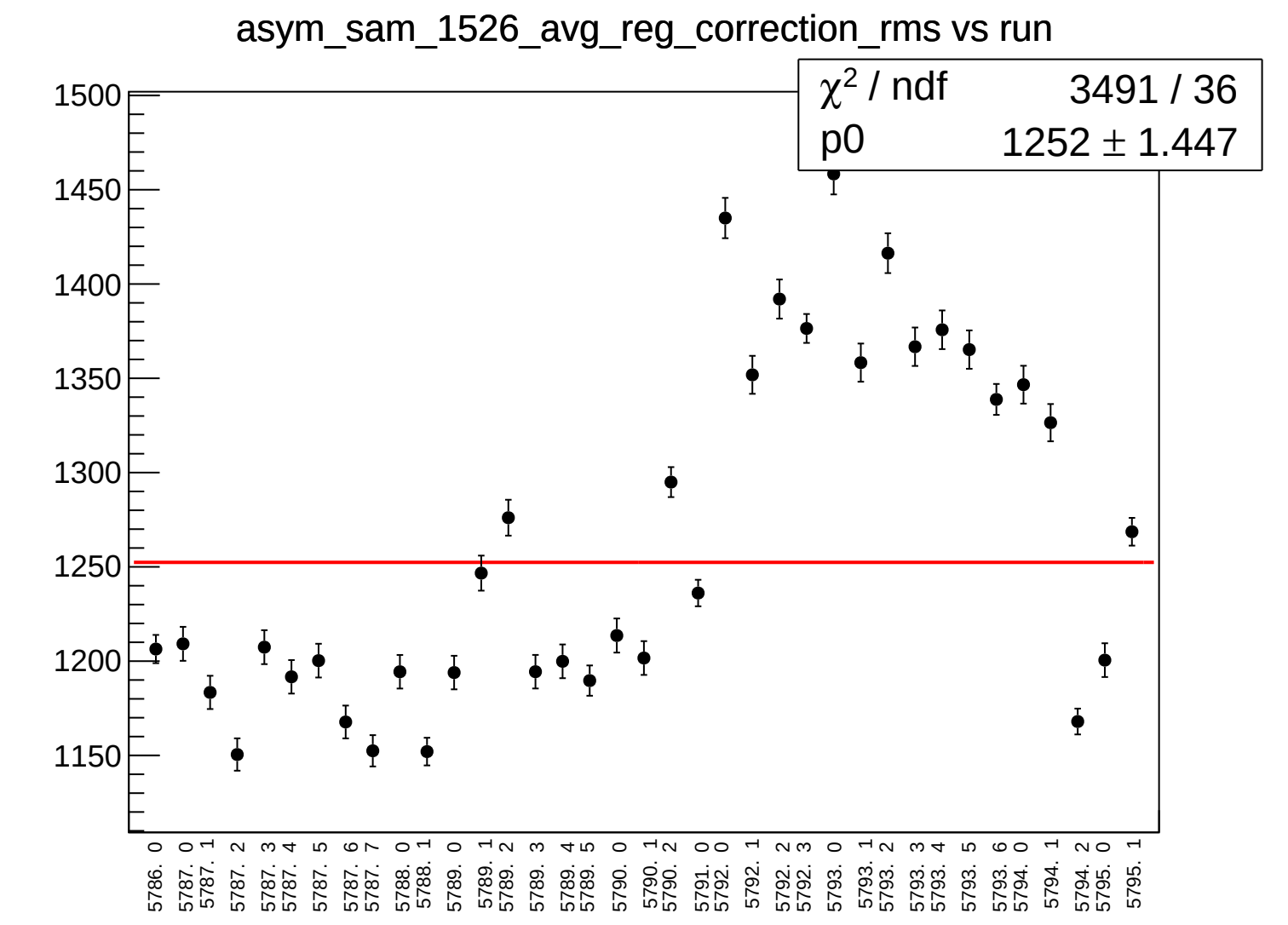

reg_asym_sam_1526_avg_mean vs run
χ² / ndf 24.18 / 36
p0 199.5 ± 213
pull
Entries 37
Mean −5.259
Std Dev 14.44

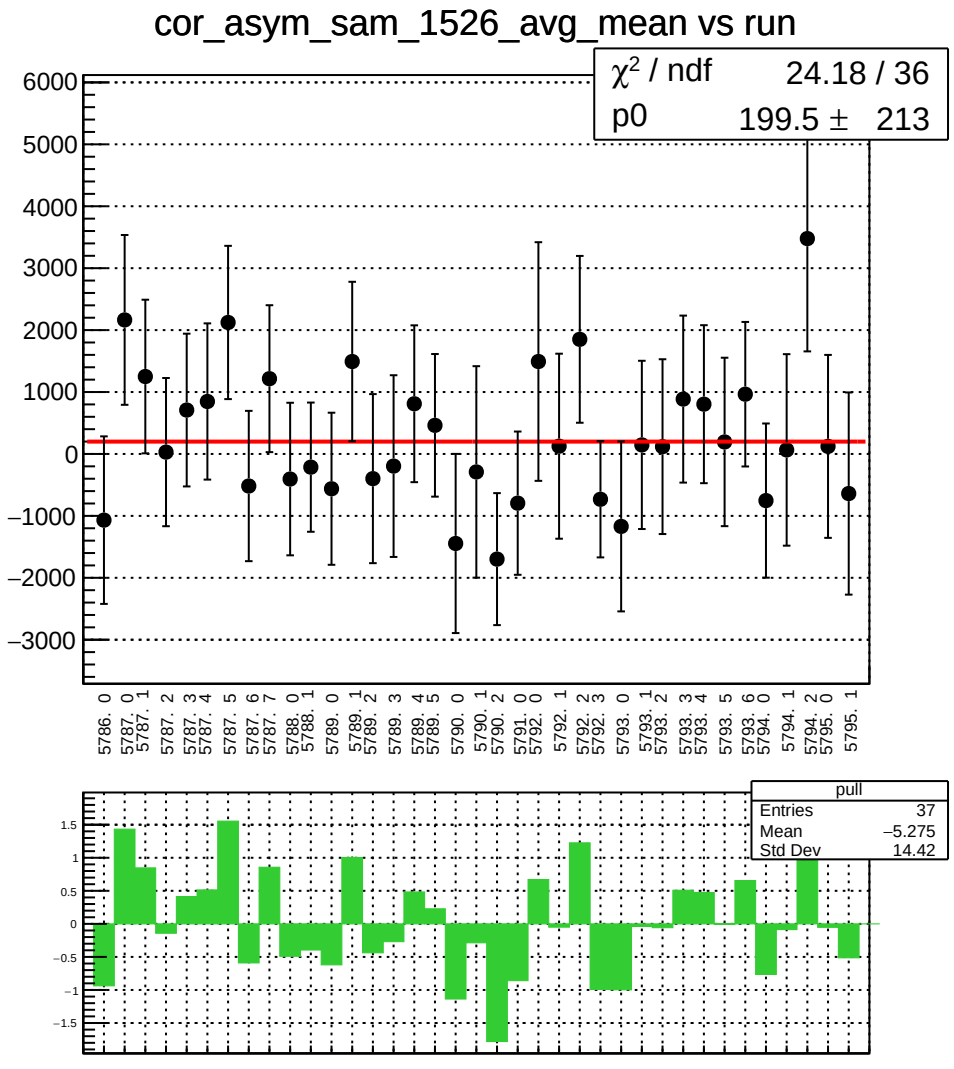

pull1D
Entries 37
Mean 0.03138
Std Dev 0.8078

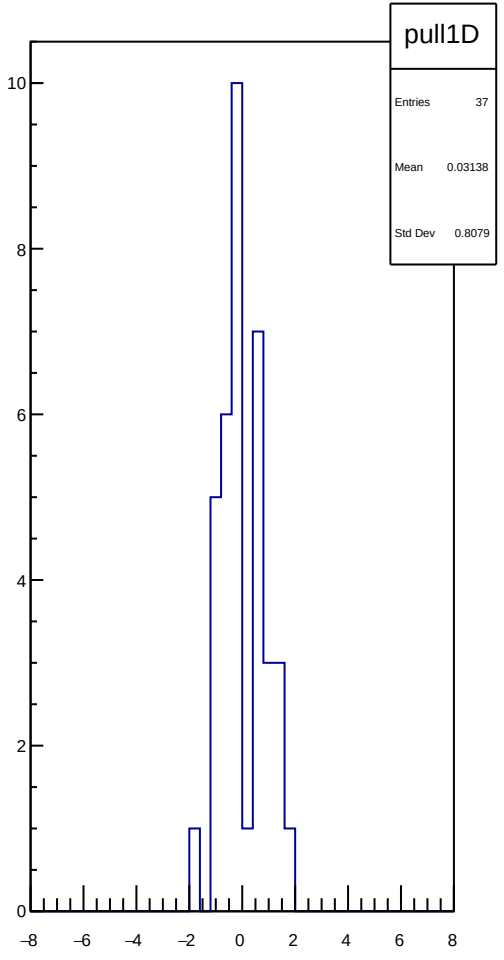

reg_asym_sam_1526_avg_rms vs run
χ² / ndf 1.566e+04 / 36
p0 129.3 ± 0.1506
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

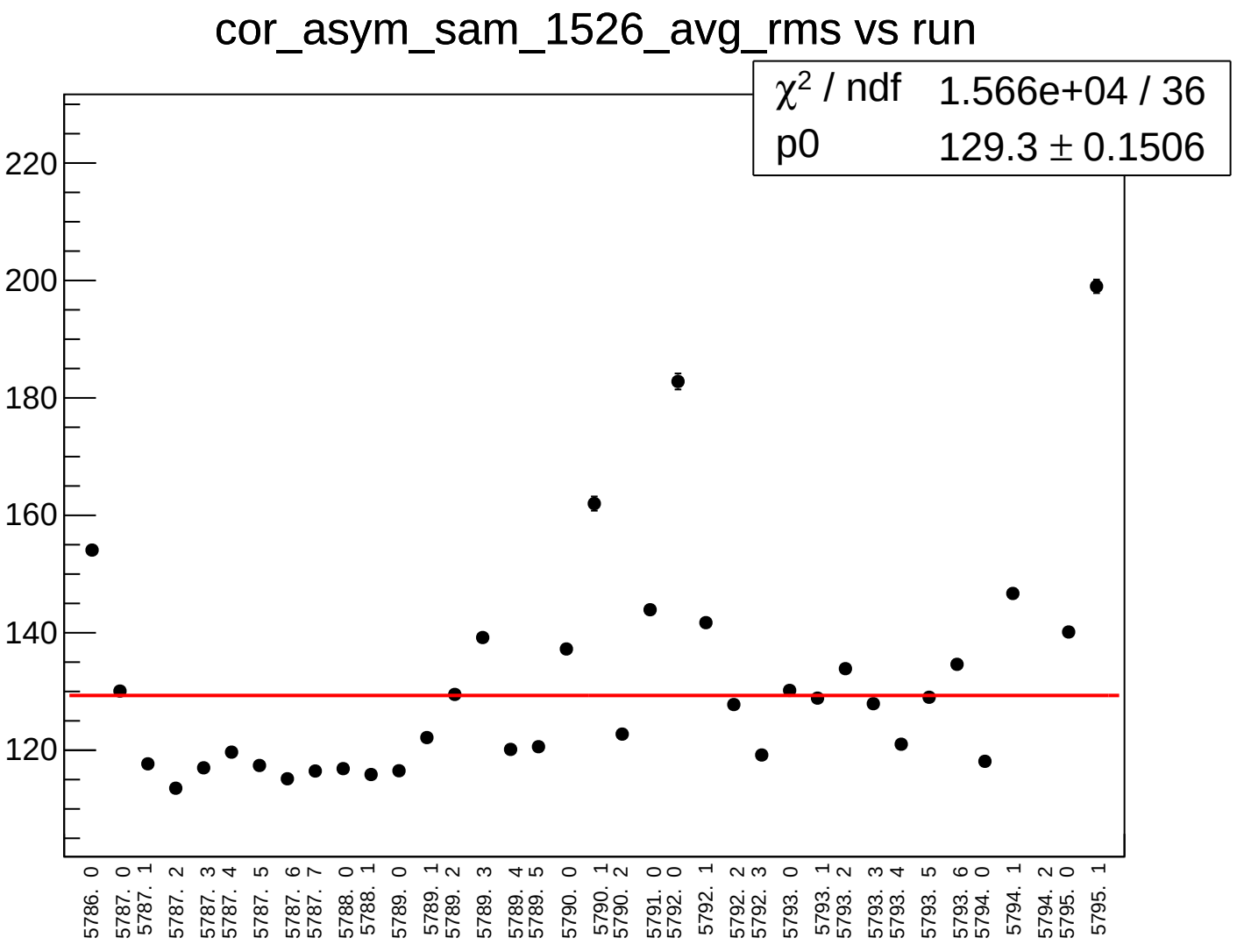

asym_sam_1526_avg_reg_correction_mean vs run
χ² / ndf 40.24 / 36
p0 1896 ± 2046
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.06714
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

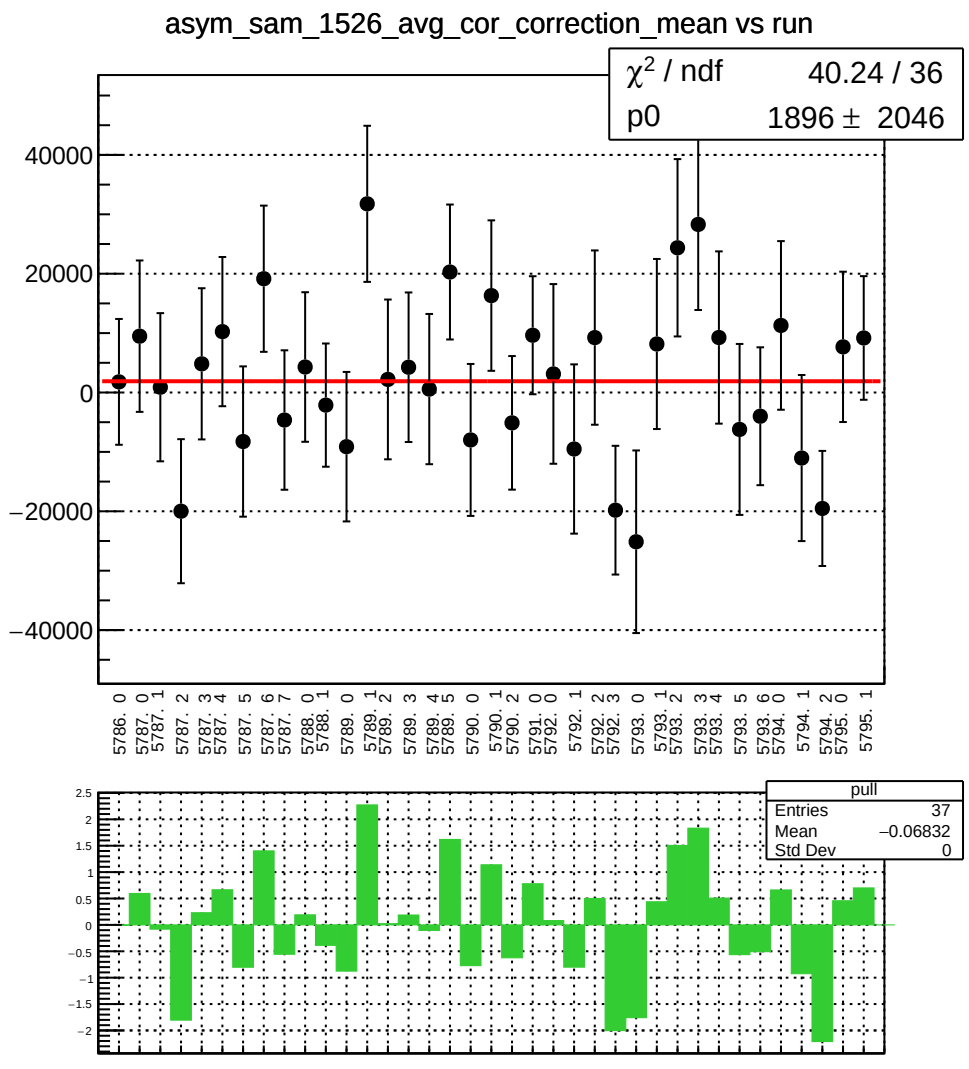

pull1D
Entries 37
Mean 0.02717
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

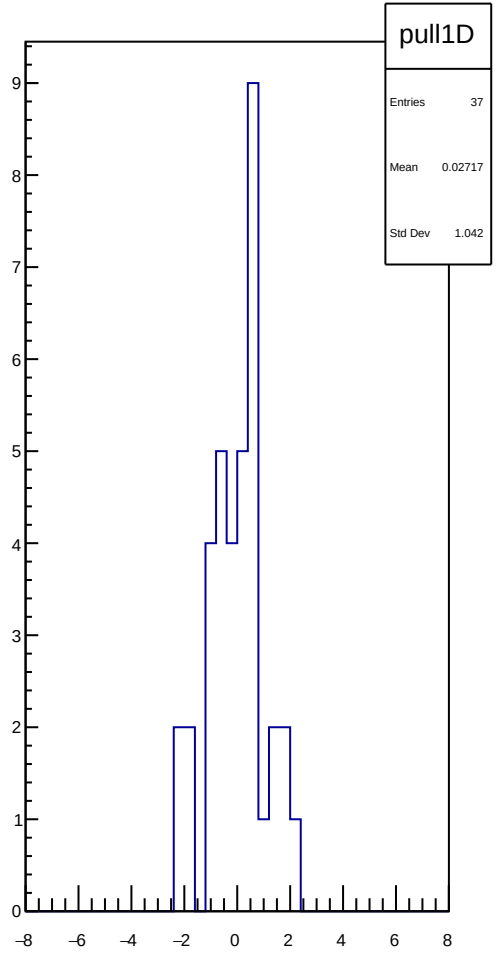

asym_sam_1526_avg_reg_correction_rms vs run
χ² / ndf 3491 / 36
p0 1252 ± 1.447
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

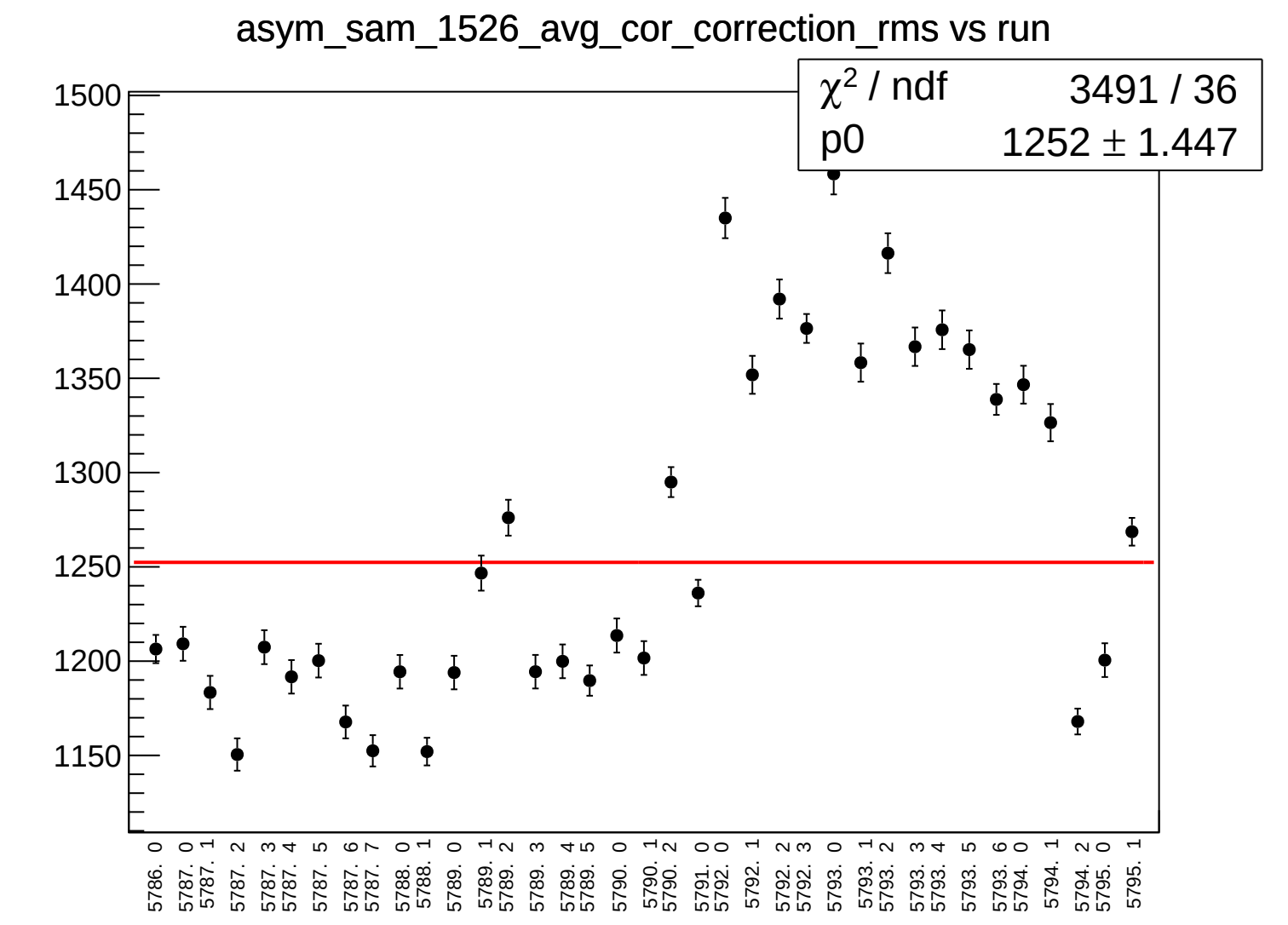

cor_asym_sam_1526_avg_mean vs run
χ² / ndf 24.18 / 36
p0 199.5 ± 213
pull
Entries 37
Mean −5.275
Std Dev 14.42

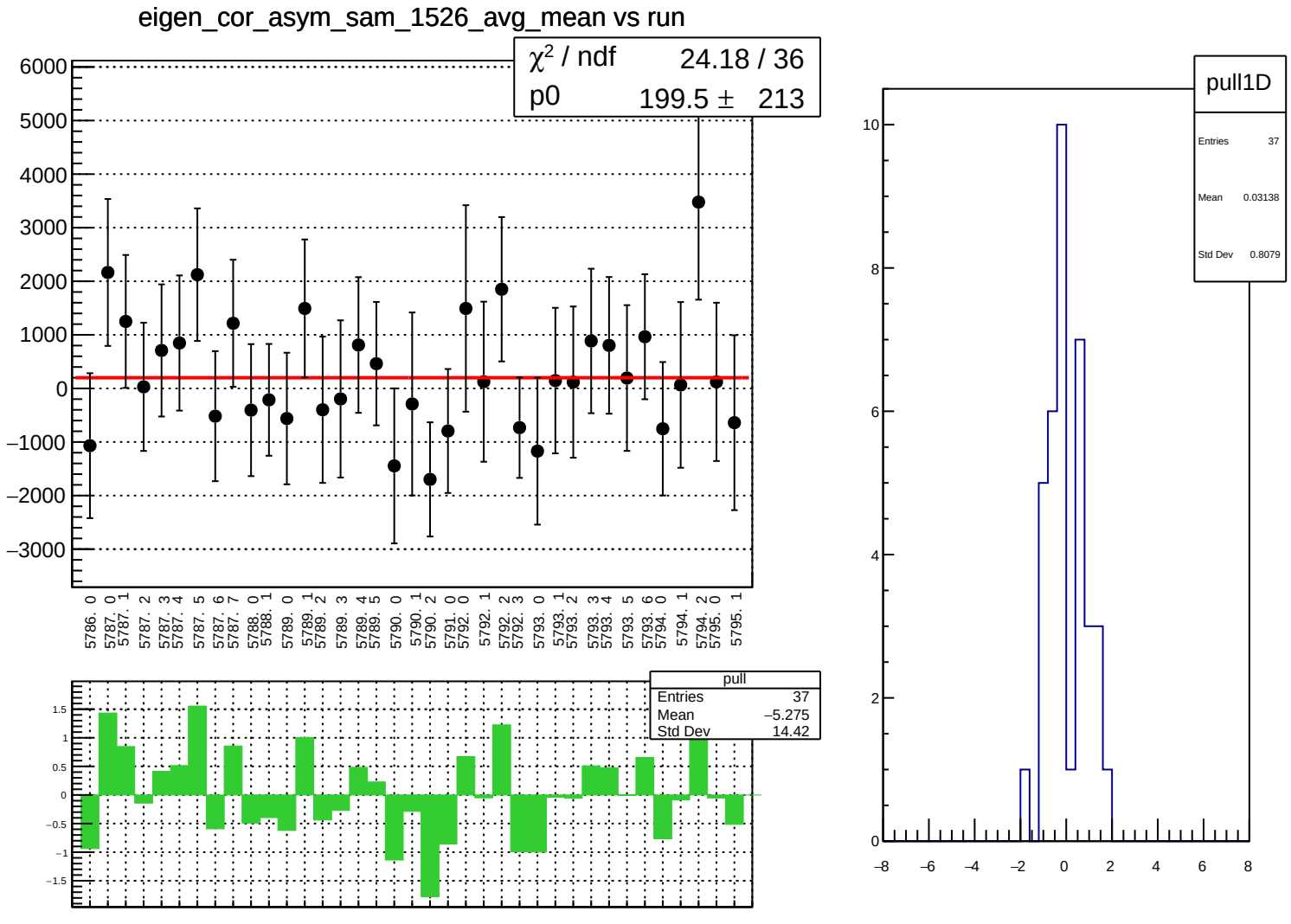

pull1D
Entries 37
Mean 0.03138
Std Dev 0.8079

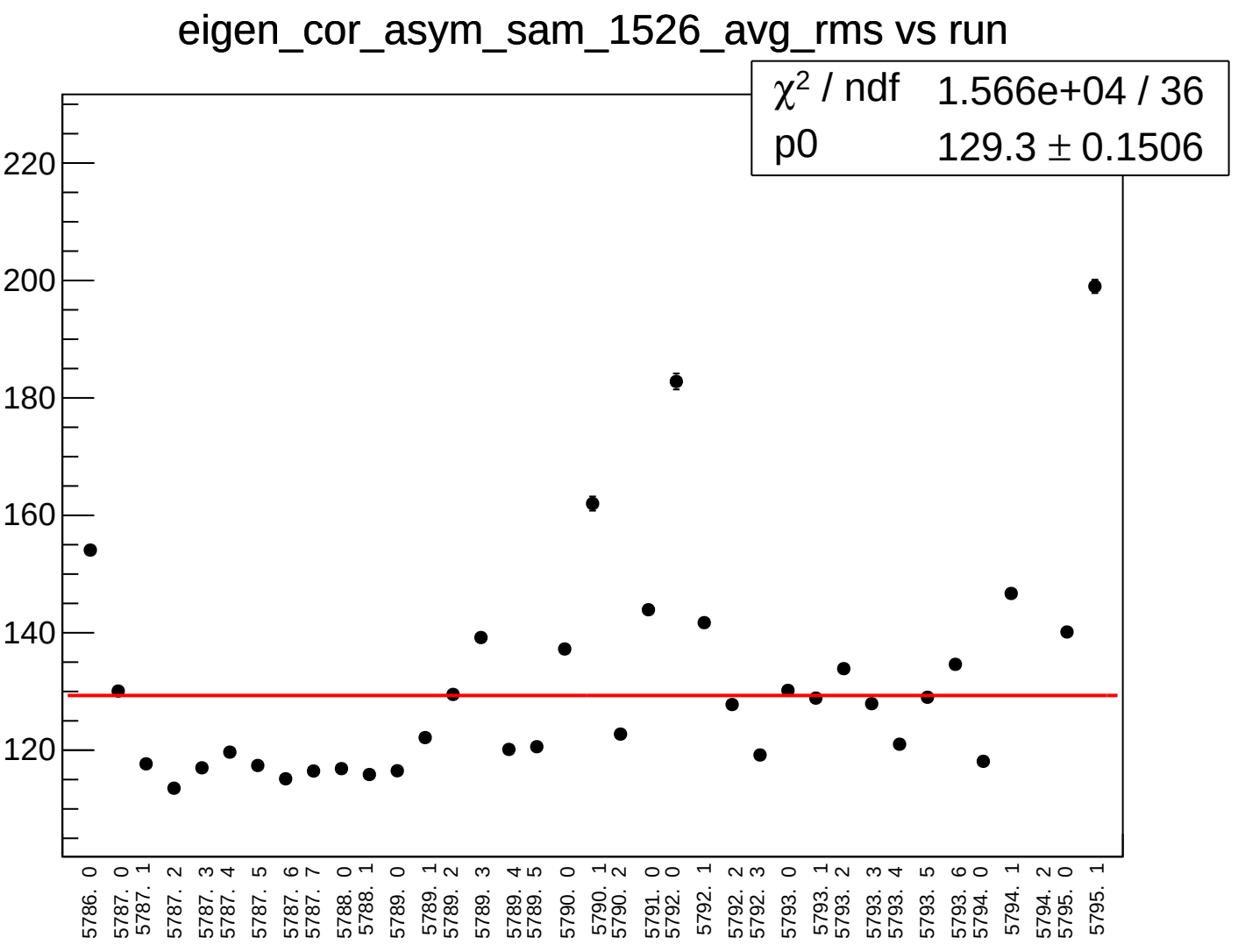

cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.566e+04 / 36
p0 129.3 ± 0.1506
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

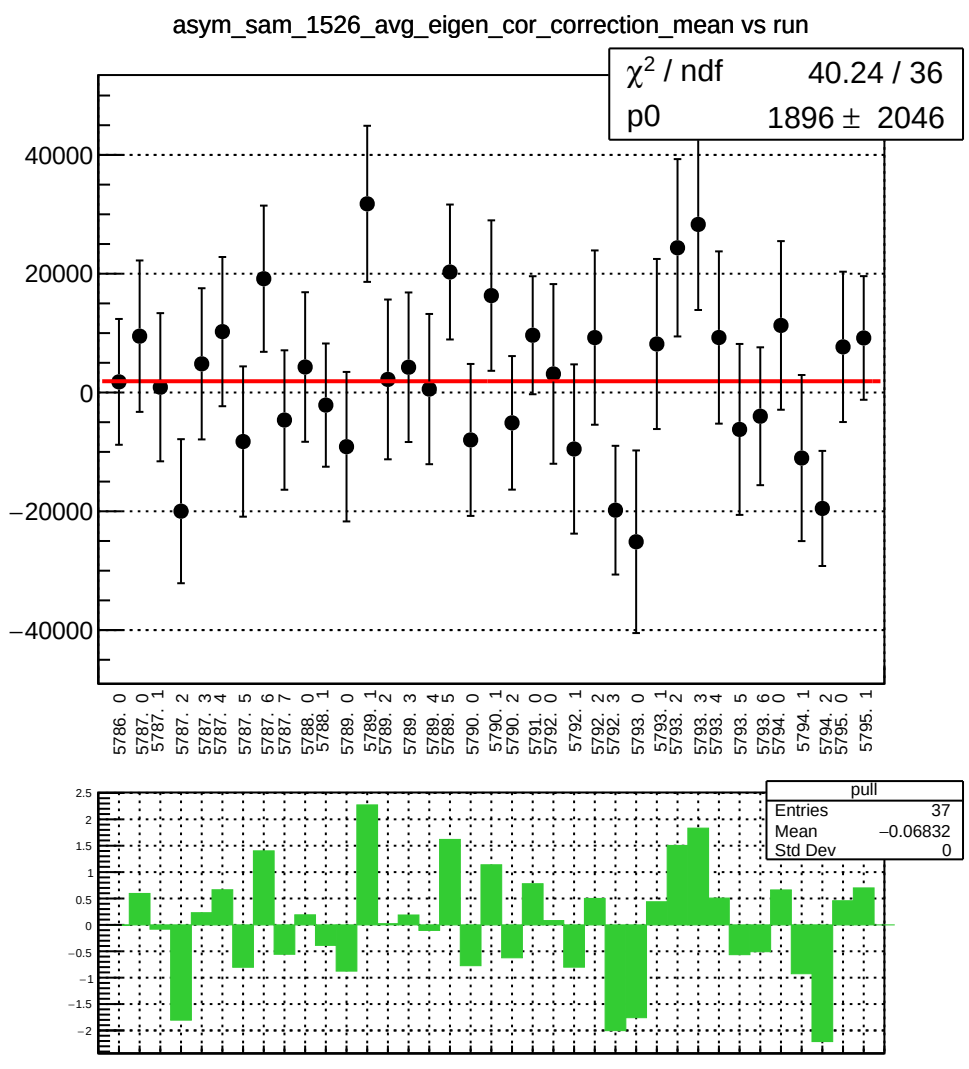

asym_sam_1526_avg_cor_correction_mean vs run
χ² / ndf 40.24 / 36
p0 1896 ± 2046
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.06832
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

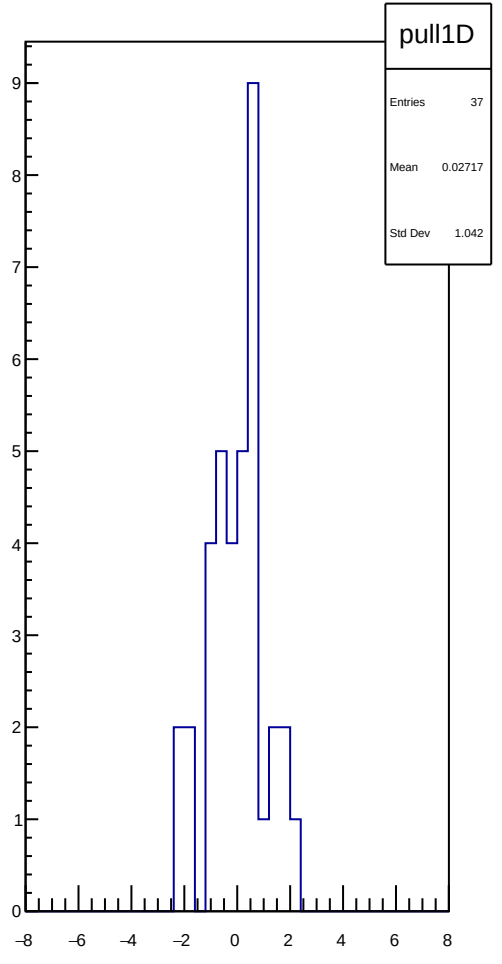

pull1D
Entries 37
Mean 0.02717
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

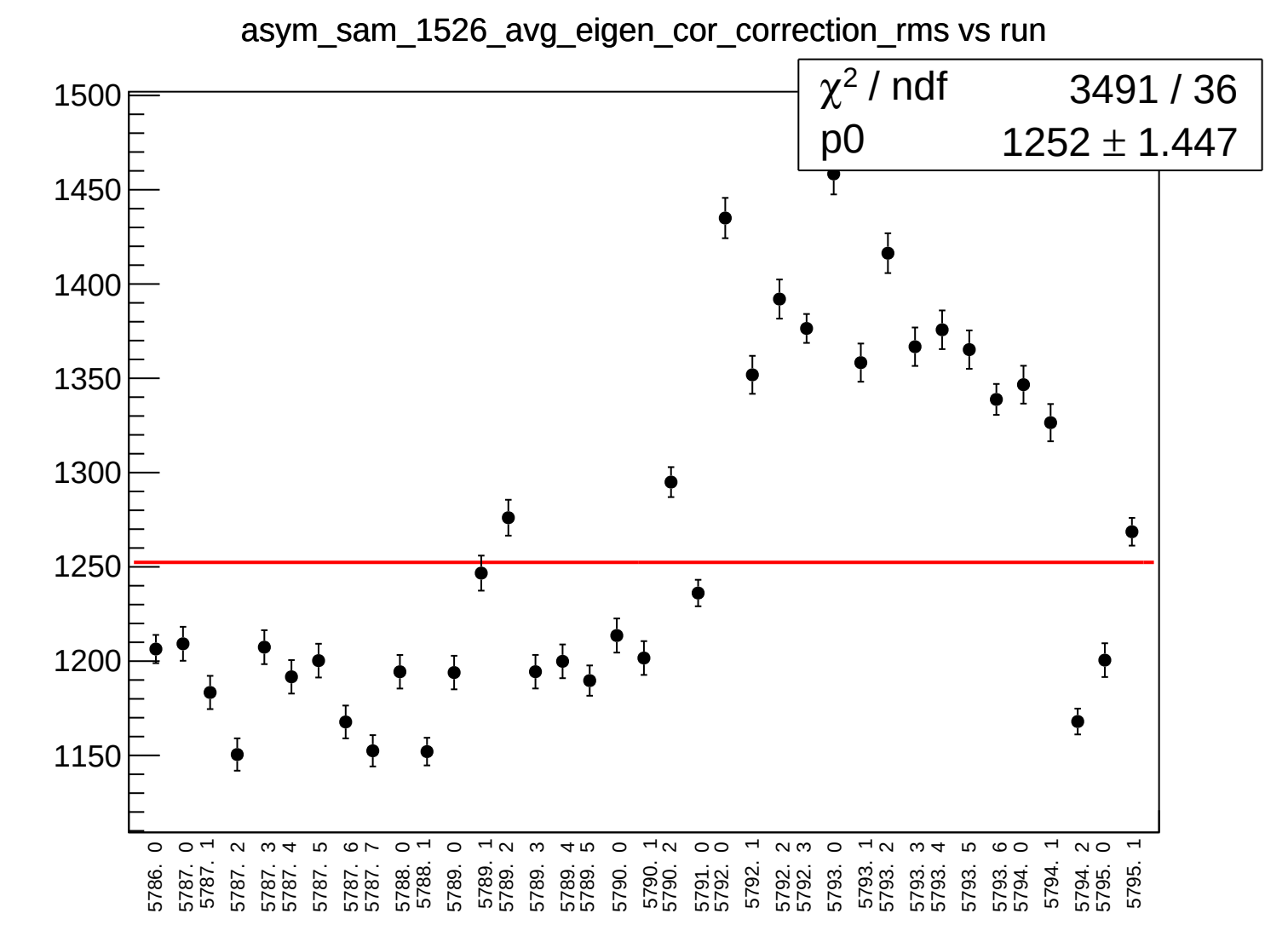

asym_sam_1526_avg_cor_correction_rms vs run
χ² / ndf 3491 / 36
p0 1252 ± 1.447
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

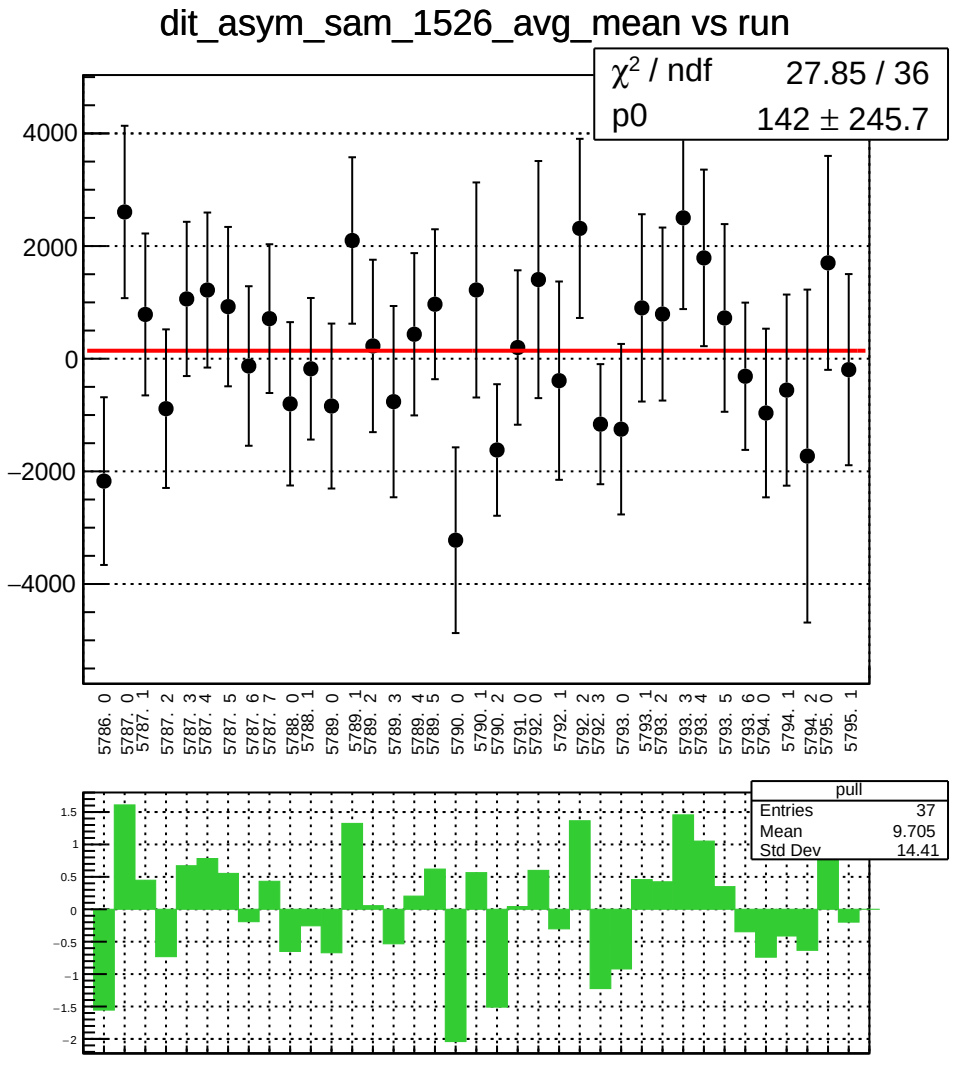

eigen_cor_asym_sam_1526_avg_mean vs run
χ² / ndf 24.18 / 36
p0 199.5 ± 213
6000
5000
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.275
Std Dev 14.42
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03138
Std Dev 0.8079
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

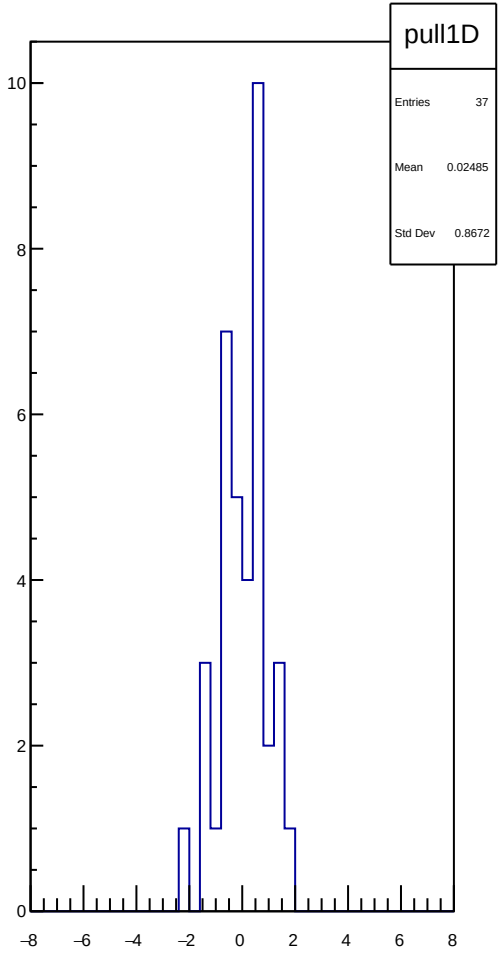

eigen_cor_asym_sam_1526_avg_rms vs run
χ² / ndf 1.566e+04 / 36
p0 129.3 ± 0.1506
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

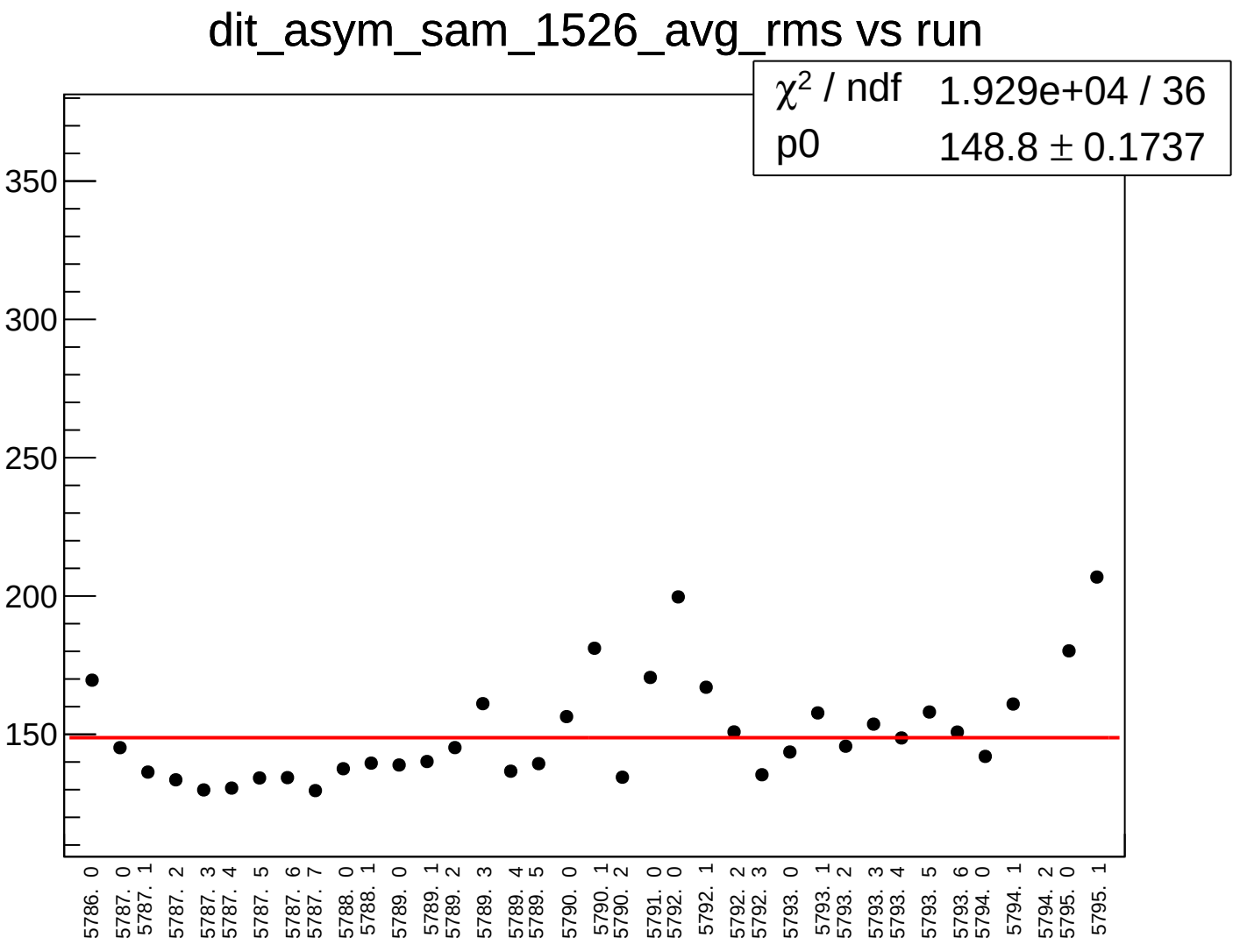

asym_sam_1526_avg_eigen_cor_correction_mean vs run
χ² / ndf 40.24 / 36
p0 1896 ± 2046
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.06832
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

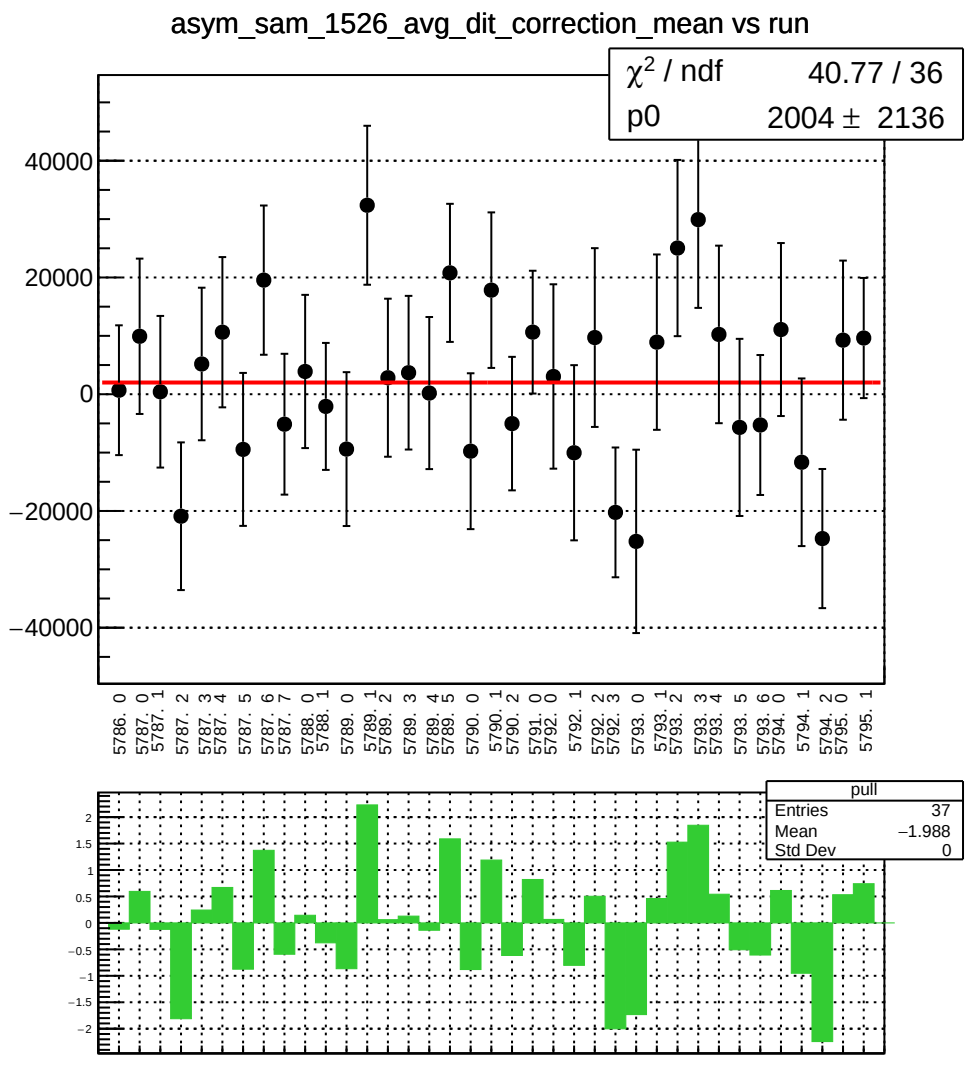

pull1D
Entries 37
Mean 0.02717
Std Dev 1.042
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

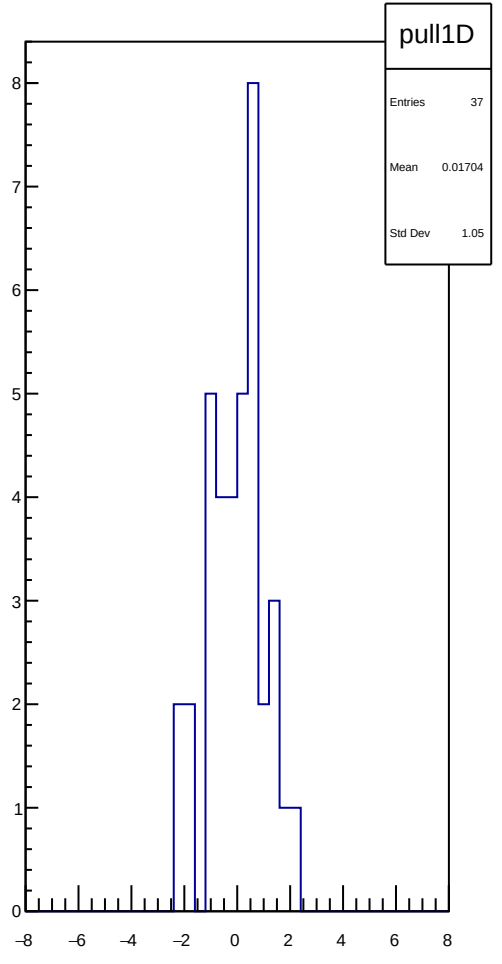

asym_sam_1526_avg_eigen_cor_correction_rms vs run
χ² / ndf 3491 / 36
p0 1252 ± 1.447
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

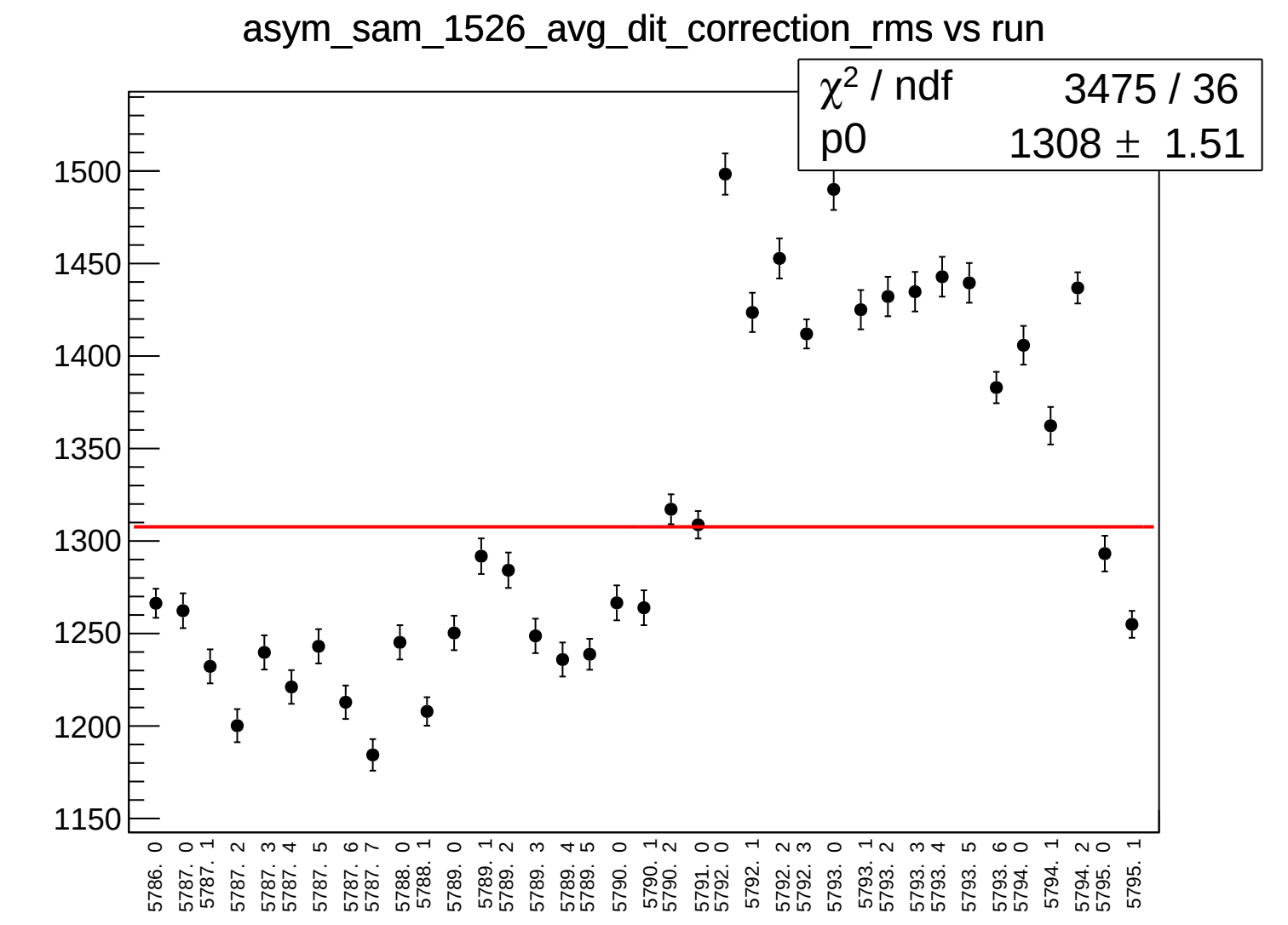

dit_asym_sam_1526_avg_mean vs run
χ² / ndf 27.85 / 36
p0 142 ± 245.7
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 9.705
Std Dev 14.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2

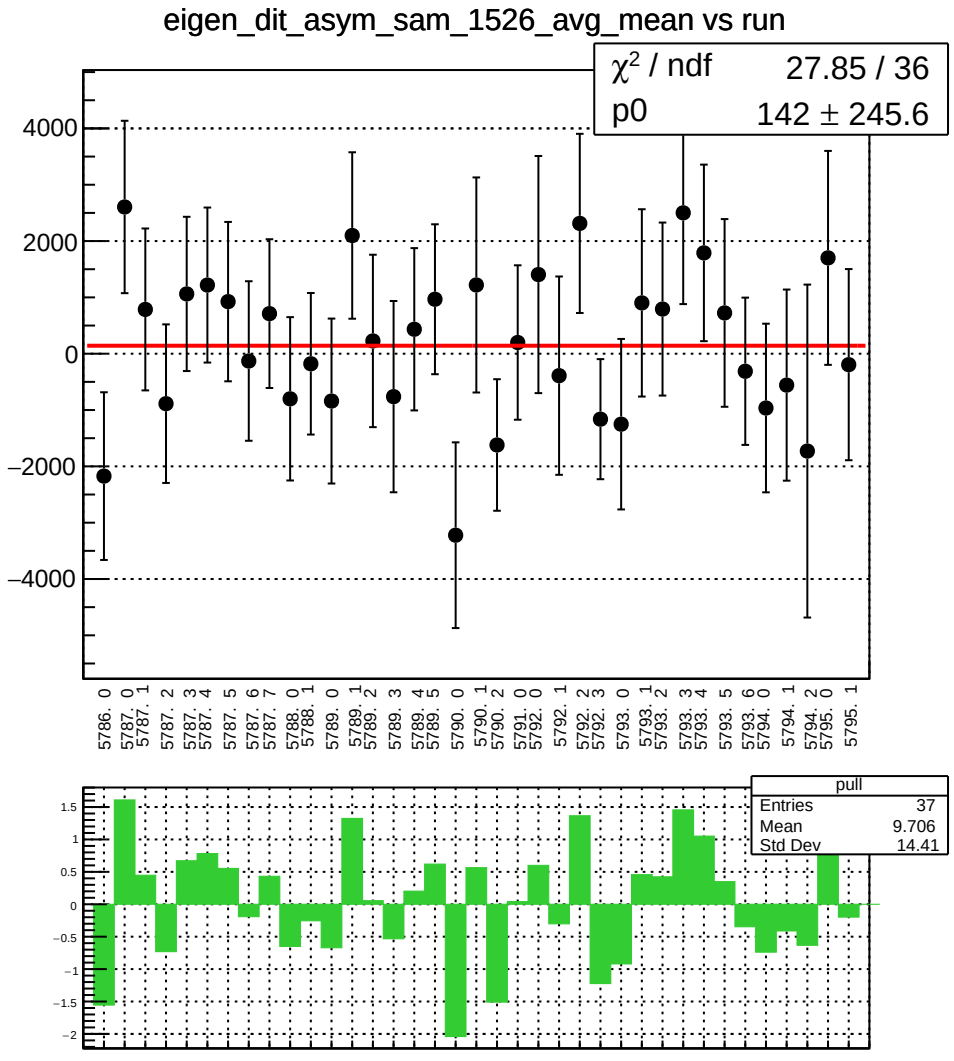

pull1D
Entries 37
Mean 0.02485
Std Dev 0.8672
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

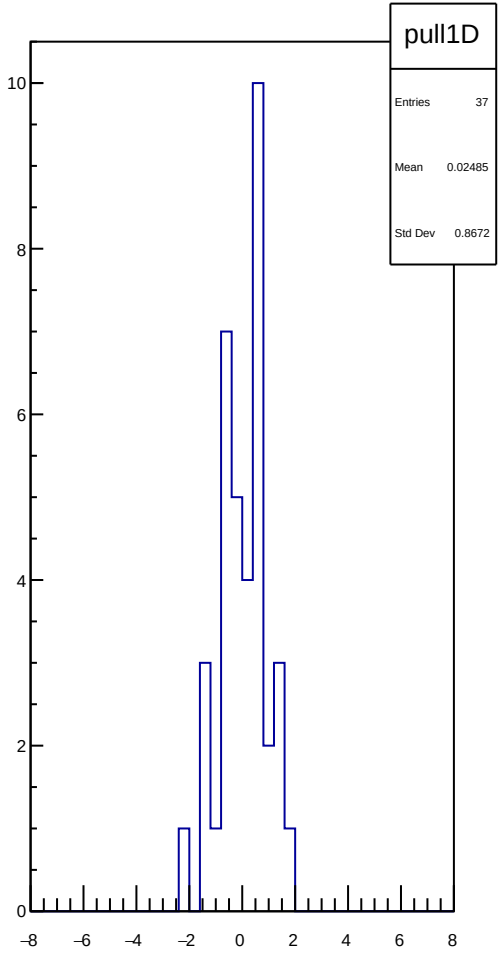

dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.929e+04 / 36
p0 148.8 ± 0.1737
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

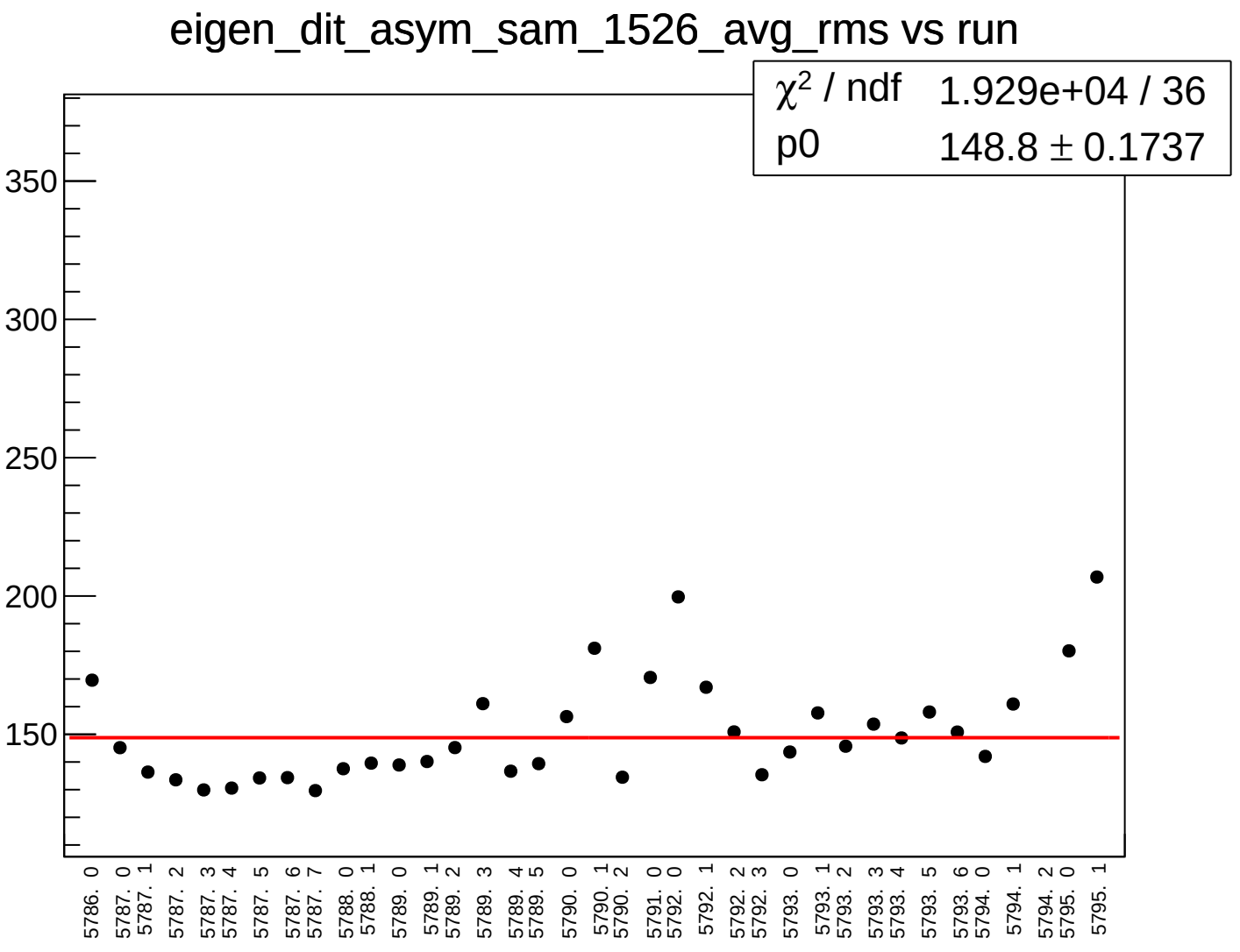

asym_sam_1526_avg_dit_correction_mean vs run
χ² / ndf 40.77 / 36
p0 2004 ± 2136
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.988
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

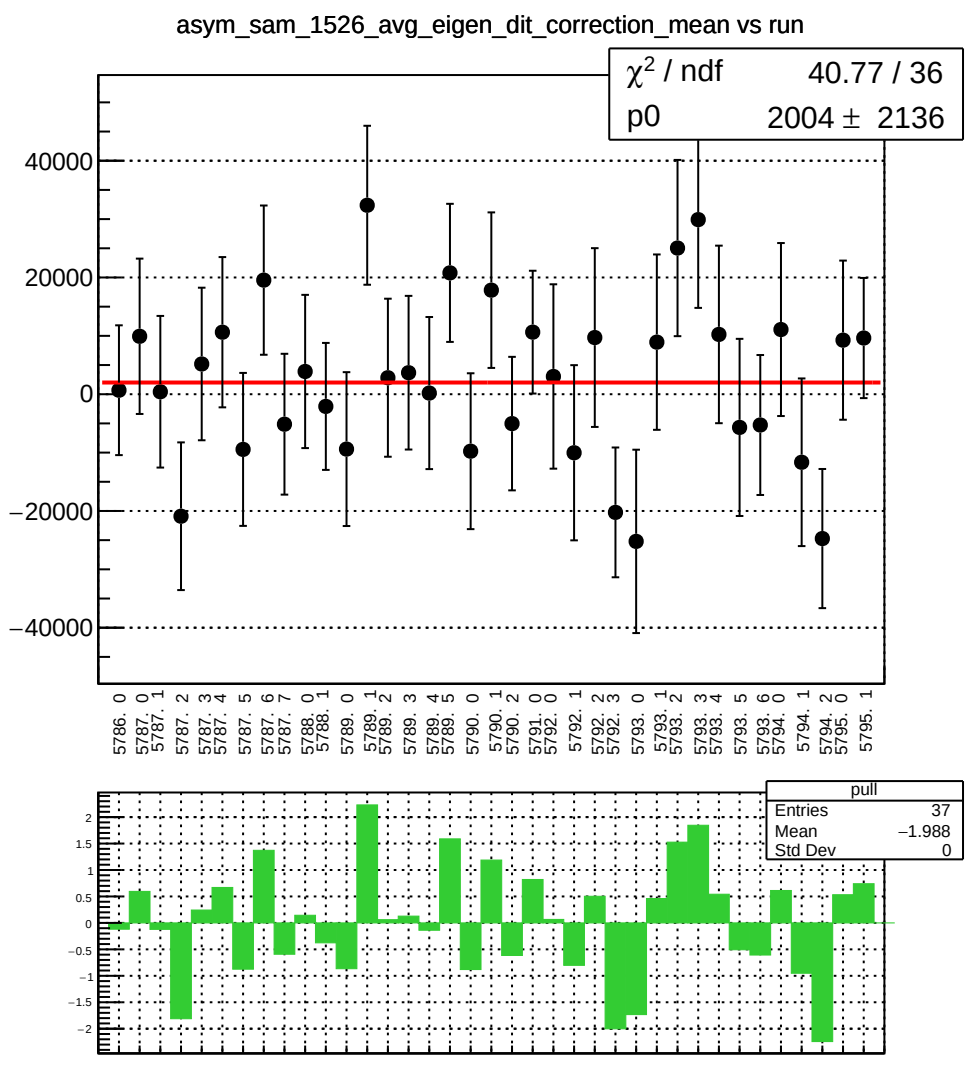

pull1D
Entries 37
Mean 0.01704
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

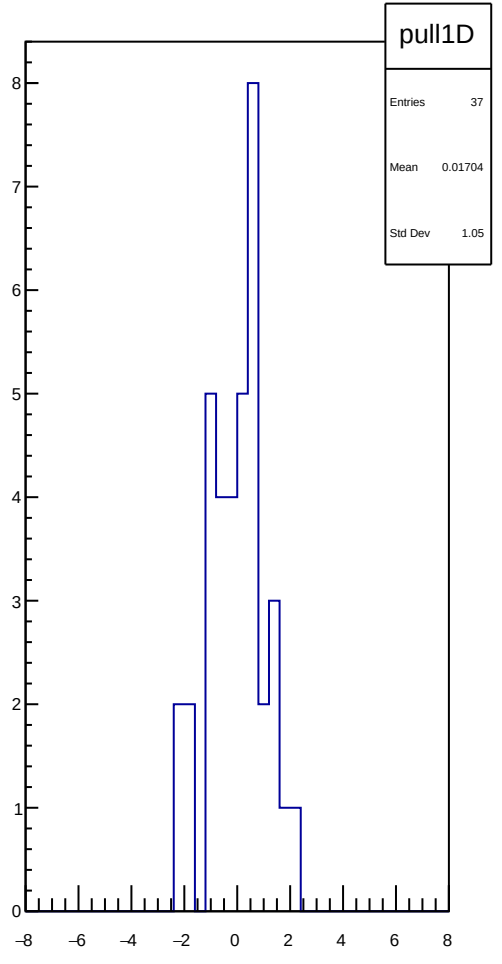

asym_sam_1526_avg_dit_correction_rms vs run
χ² / ndf 3475 / 36
p0 1308 ± 1.51
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

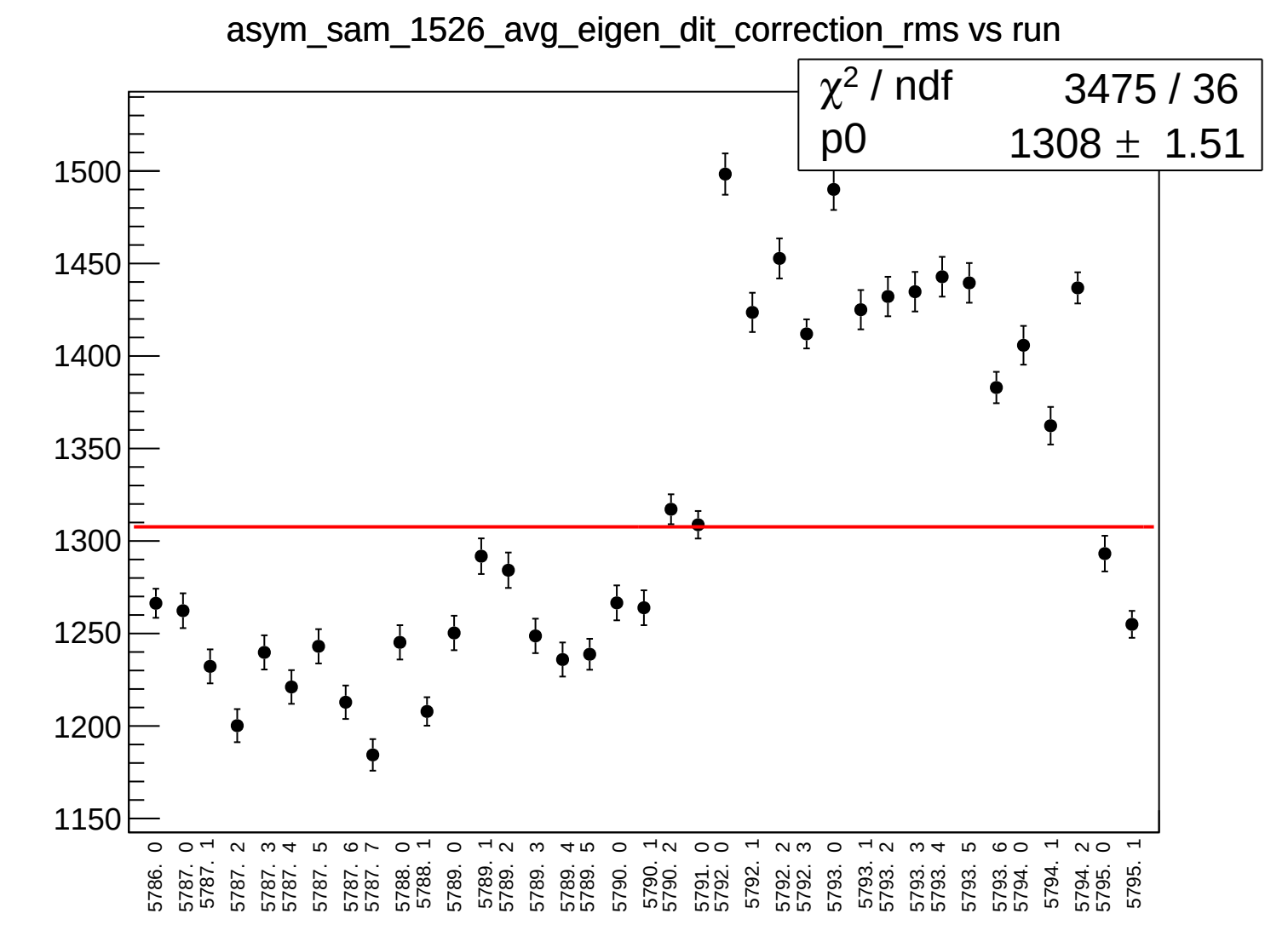

eigen_dit_asym_sam_1526_avg_mean vs run
χ² / ndf 27.85 / 36
p0 142 ± 245.6
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 9.706
Std Dev 14.41
1.5
1
0.5
0
−0.5
−1
−1.5
−2

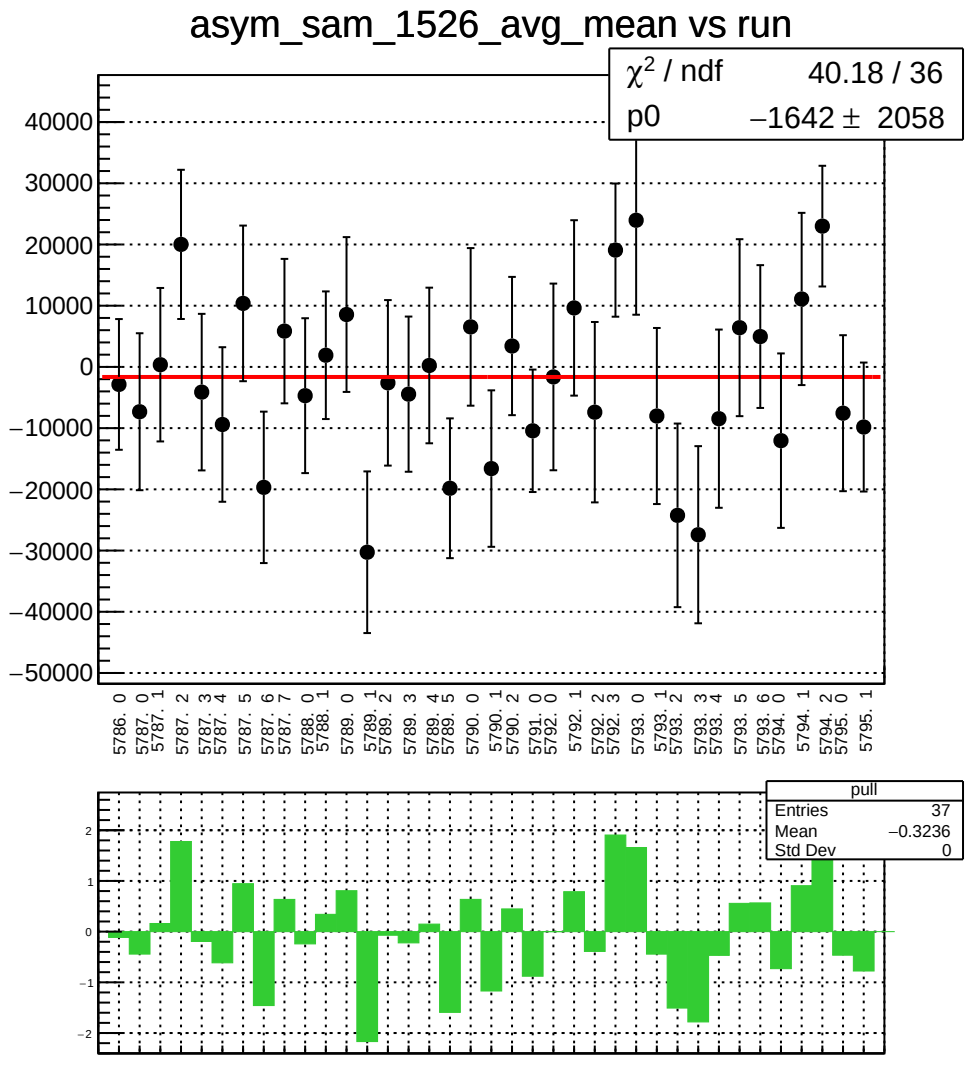

pull1D
Entries 37
Mean 0.02485
Std Dev 0.8672
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

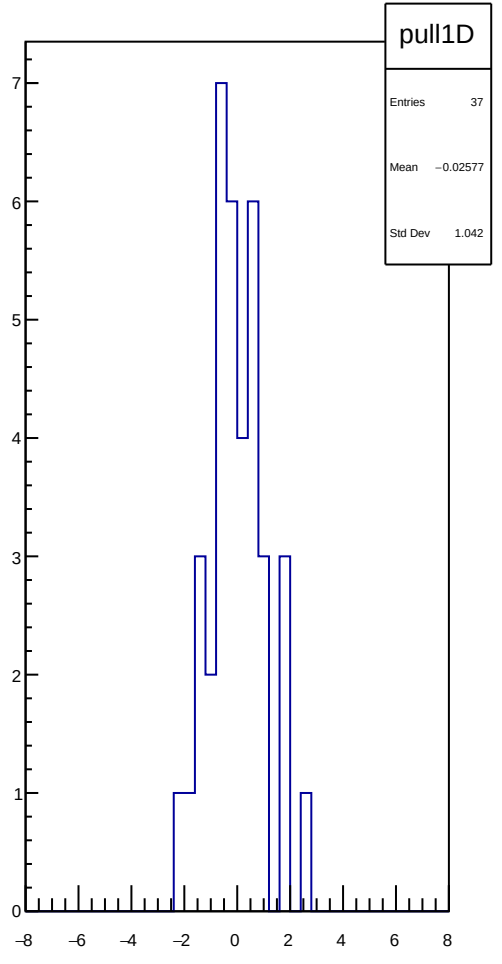

eigen_dit_asym_sam_1526_avg_rms vs run
χ² / ndf 1.929e+04 / 36
p0 148.8 ± 0.1737
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

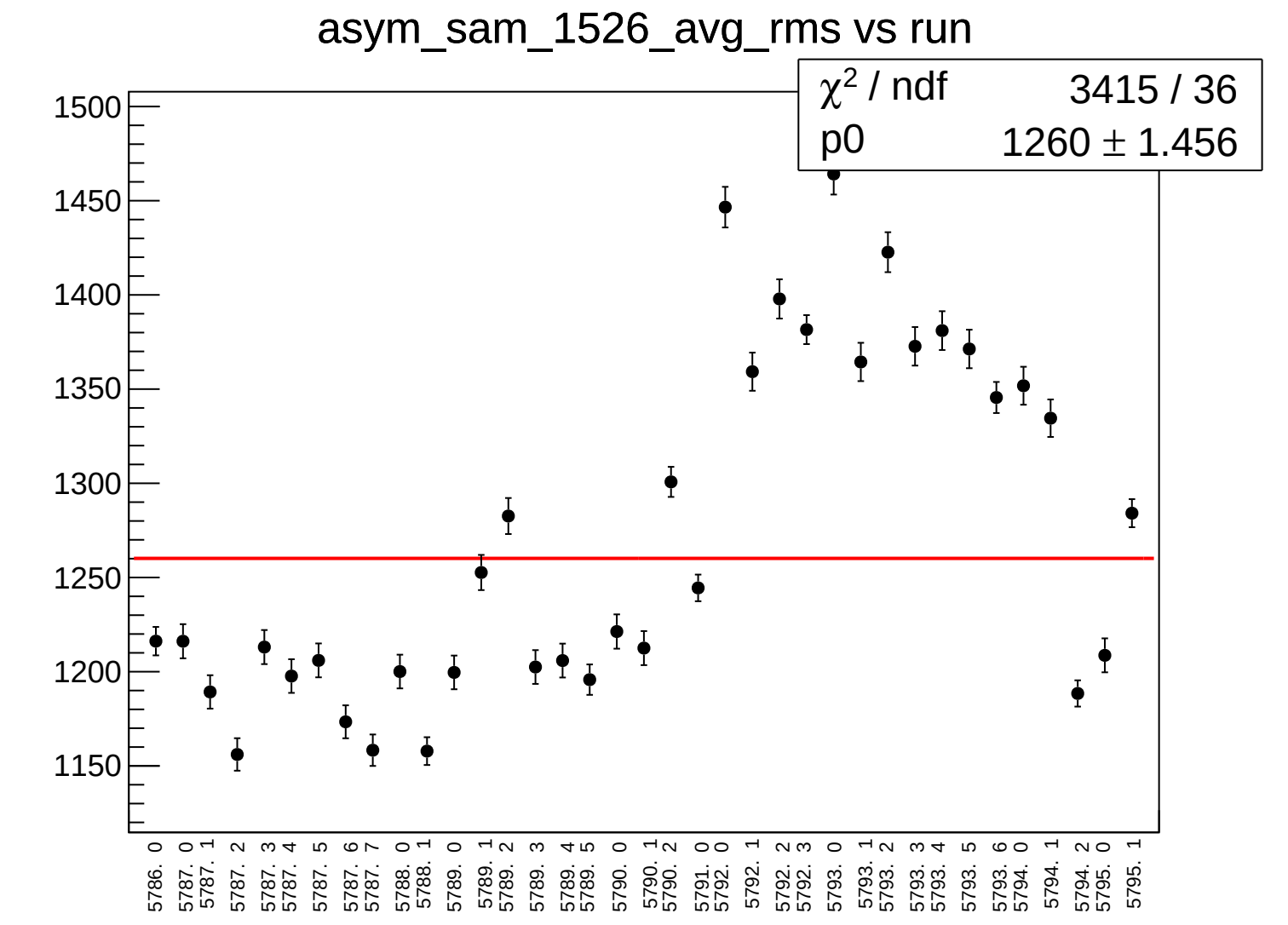

asym_sam_1526_avg_eigen_dit_correction_mean vs run
χ² / ndf 40.77 / 36
p0 2004 ± 2136
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.988
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

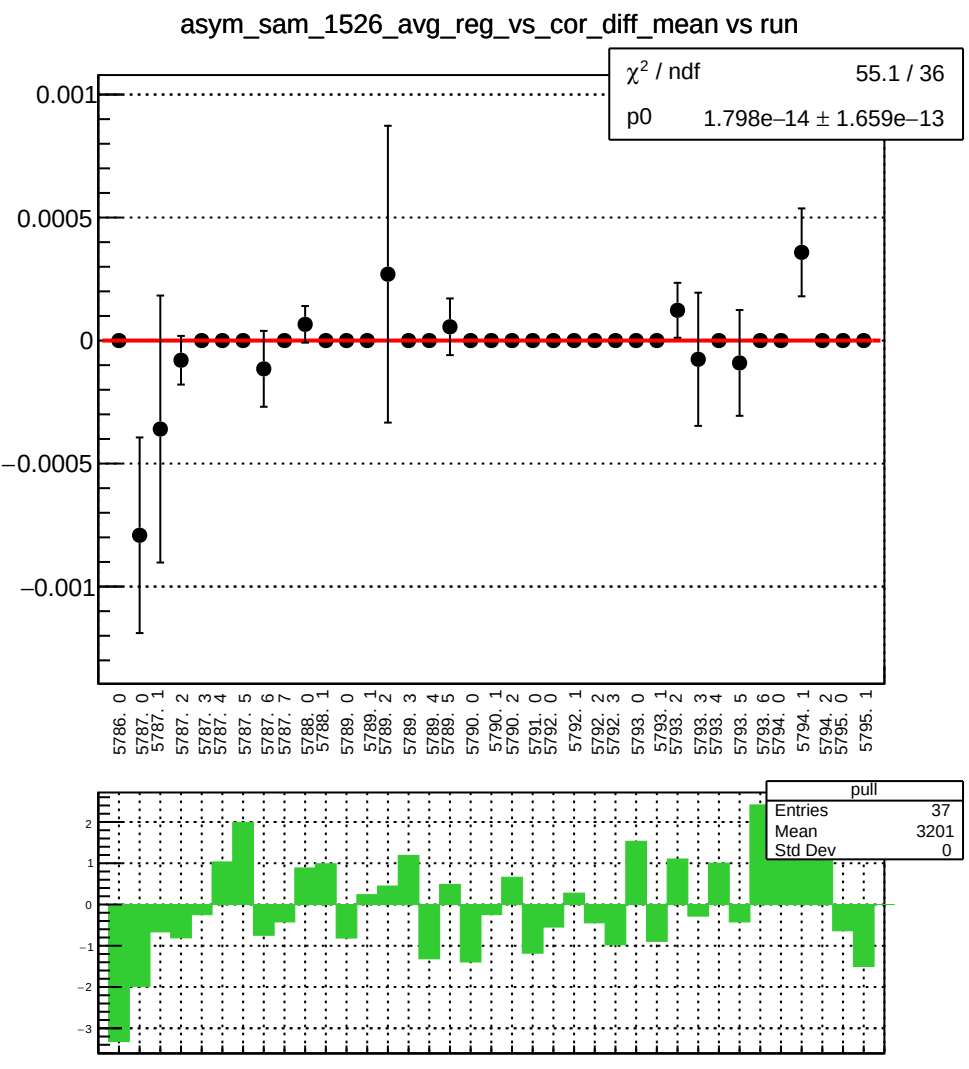

pull1D
Entries 37
Mean 0.01704
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

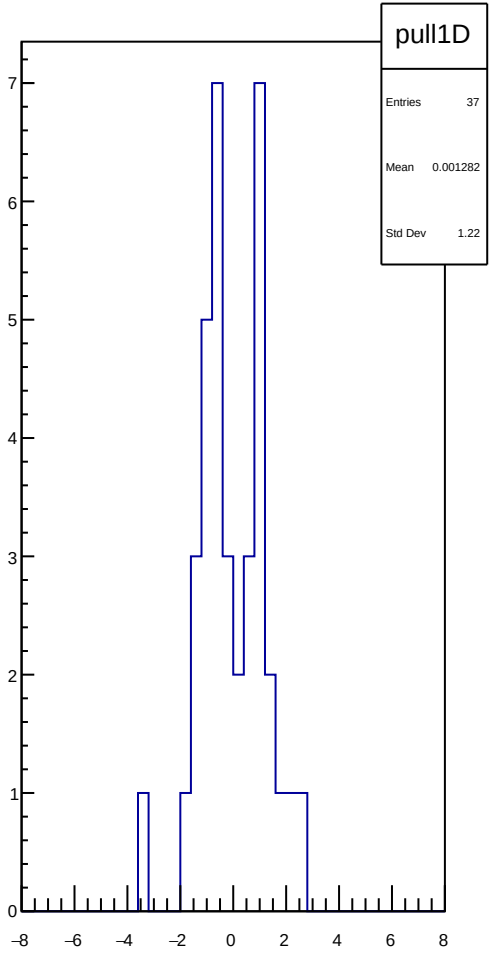

asym_sam_1526_avg_eigen_dit_correction_rms vs run
χ² / ndf 3475 / 36
p0 1308 ± 1.51
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

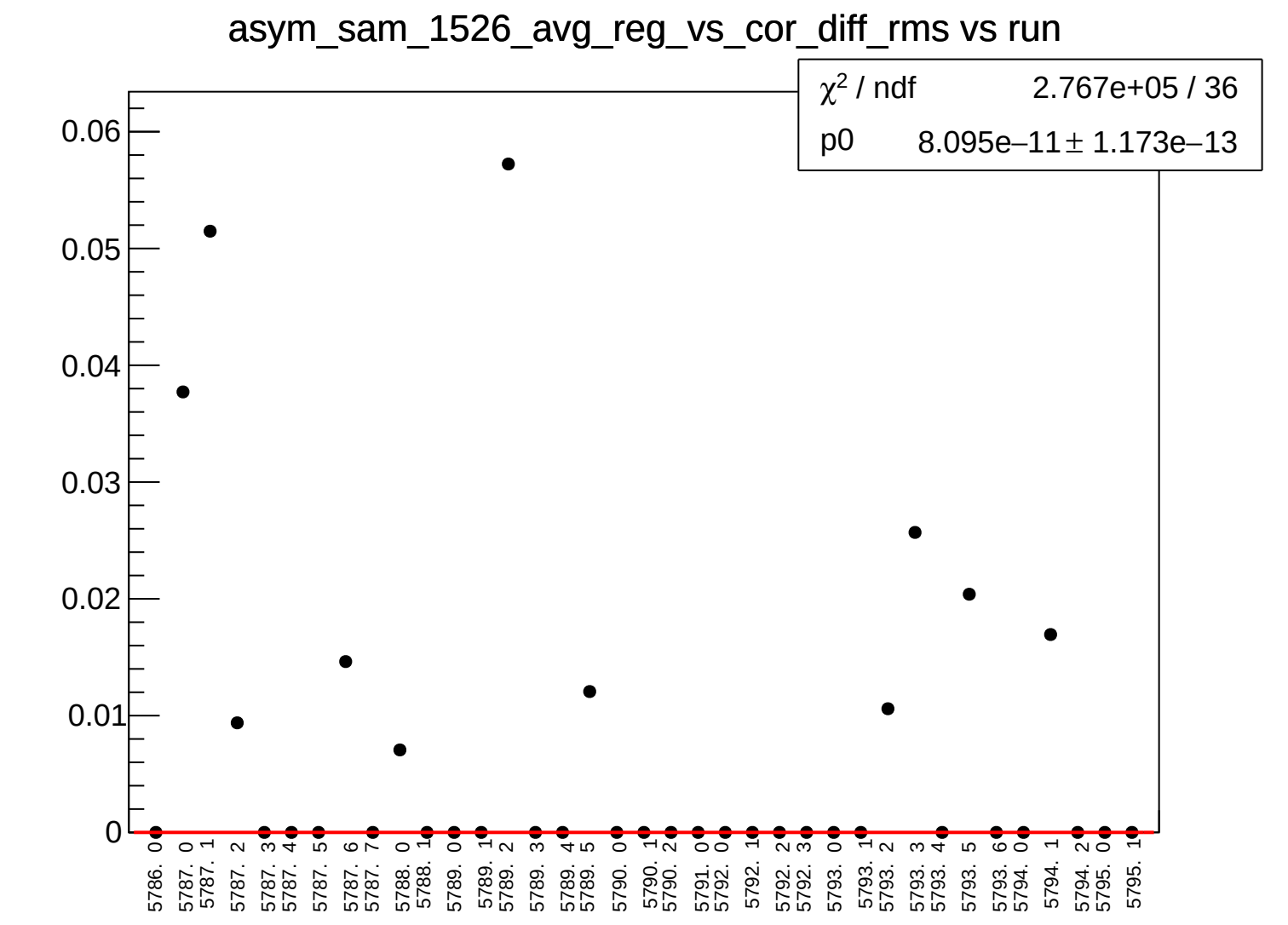

asym_sam_1526_avg_mean vs run
χ² / ndf 40.18 / 36
p0 −1642 ± 2058
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
−50000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.3236
Std Dev 0
2
1
0
−1
−2

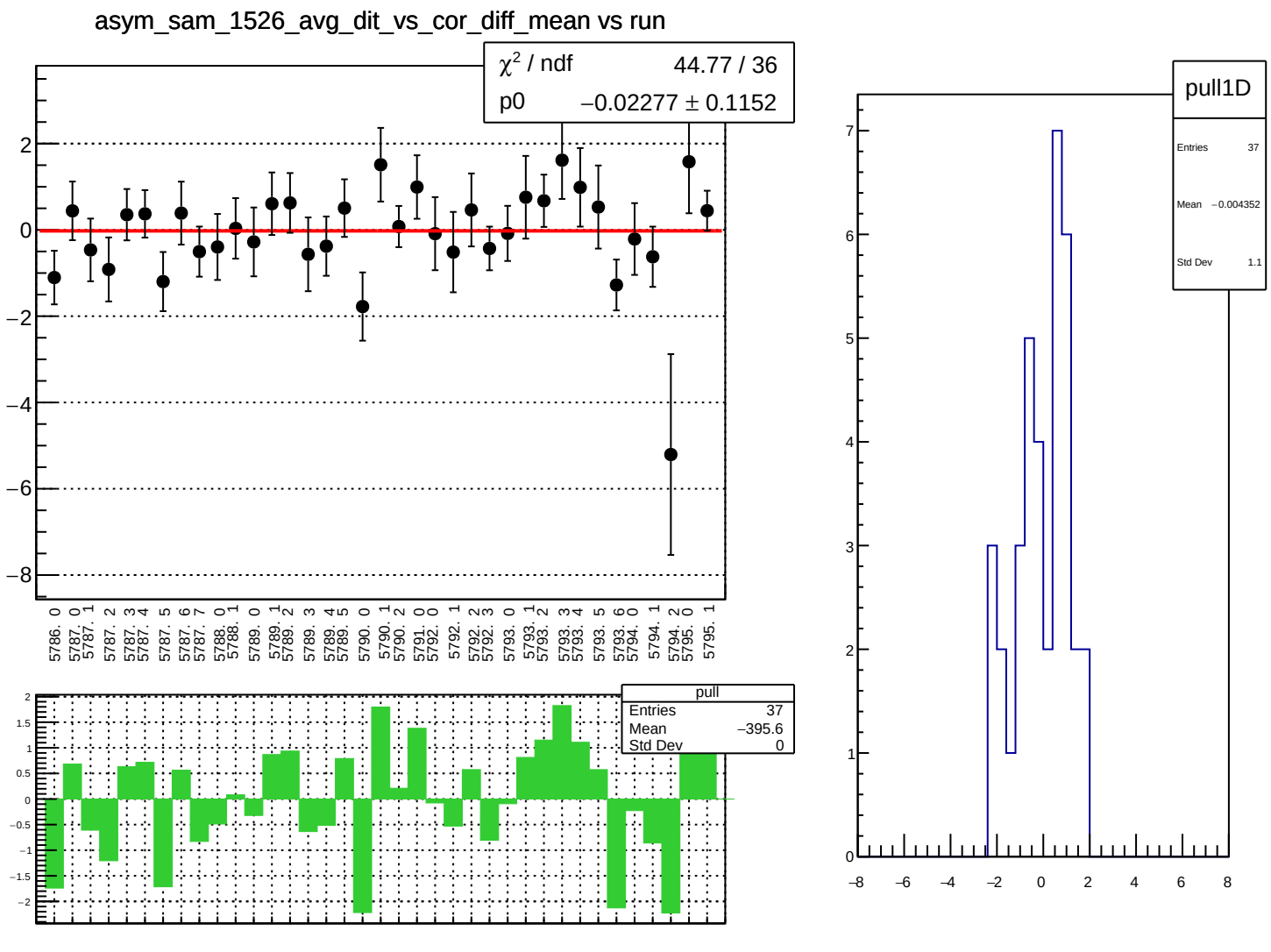

pull1D
Entries 37
Mean −0.02577
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

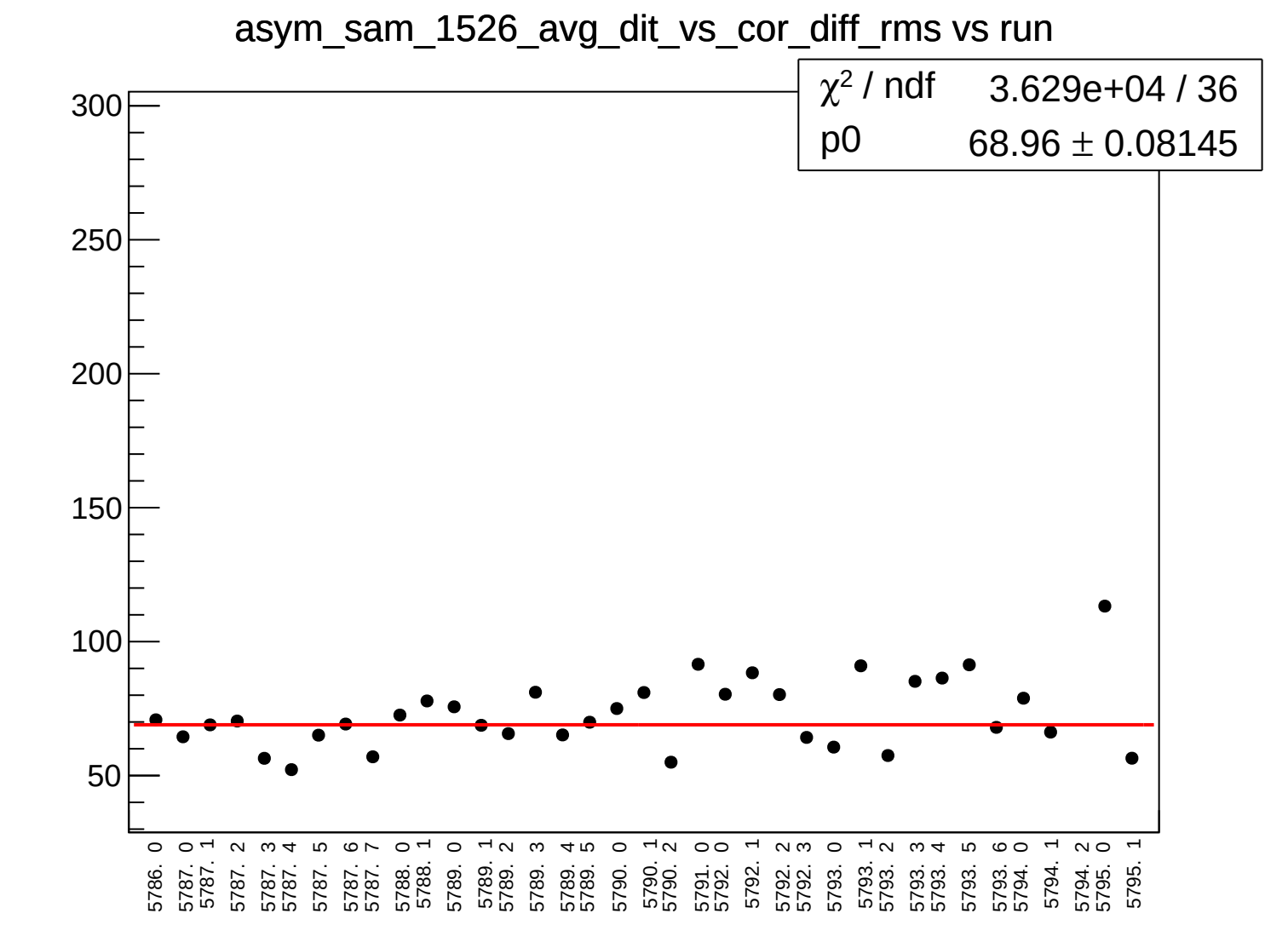

asym_sam_1526_avg_rms vs run
χ^2 / ndf 3415 / 36
p0 1260 ± 1.456
1500
1450
1400
1350
1300
1250
1200
1150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

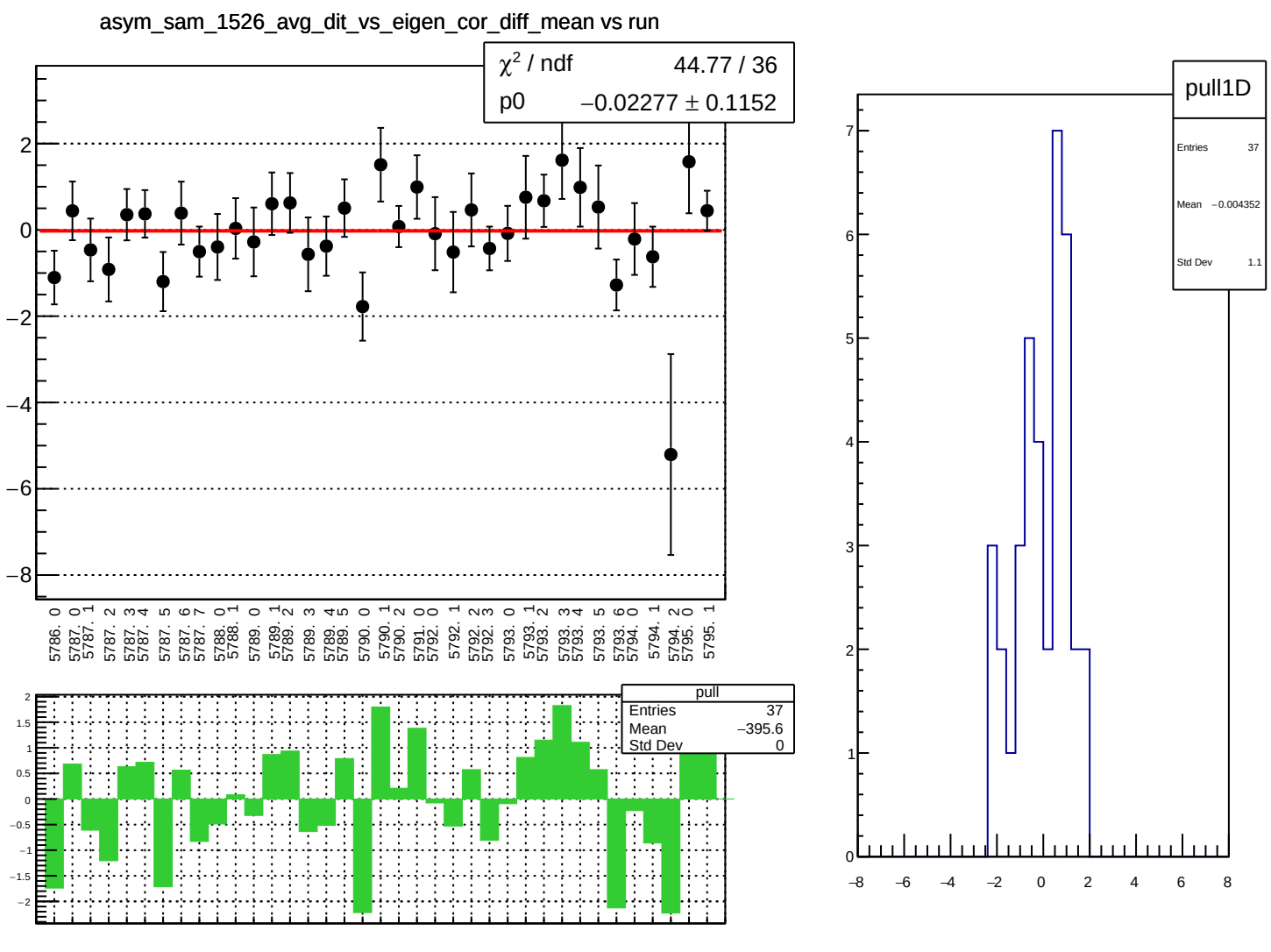

asym_sam_1526_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 55.1 / 36
p0 1.798e−14 ± 1.659e−13
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3201
Std Dev 0
2
1
0
−1
−2
−3

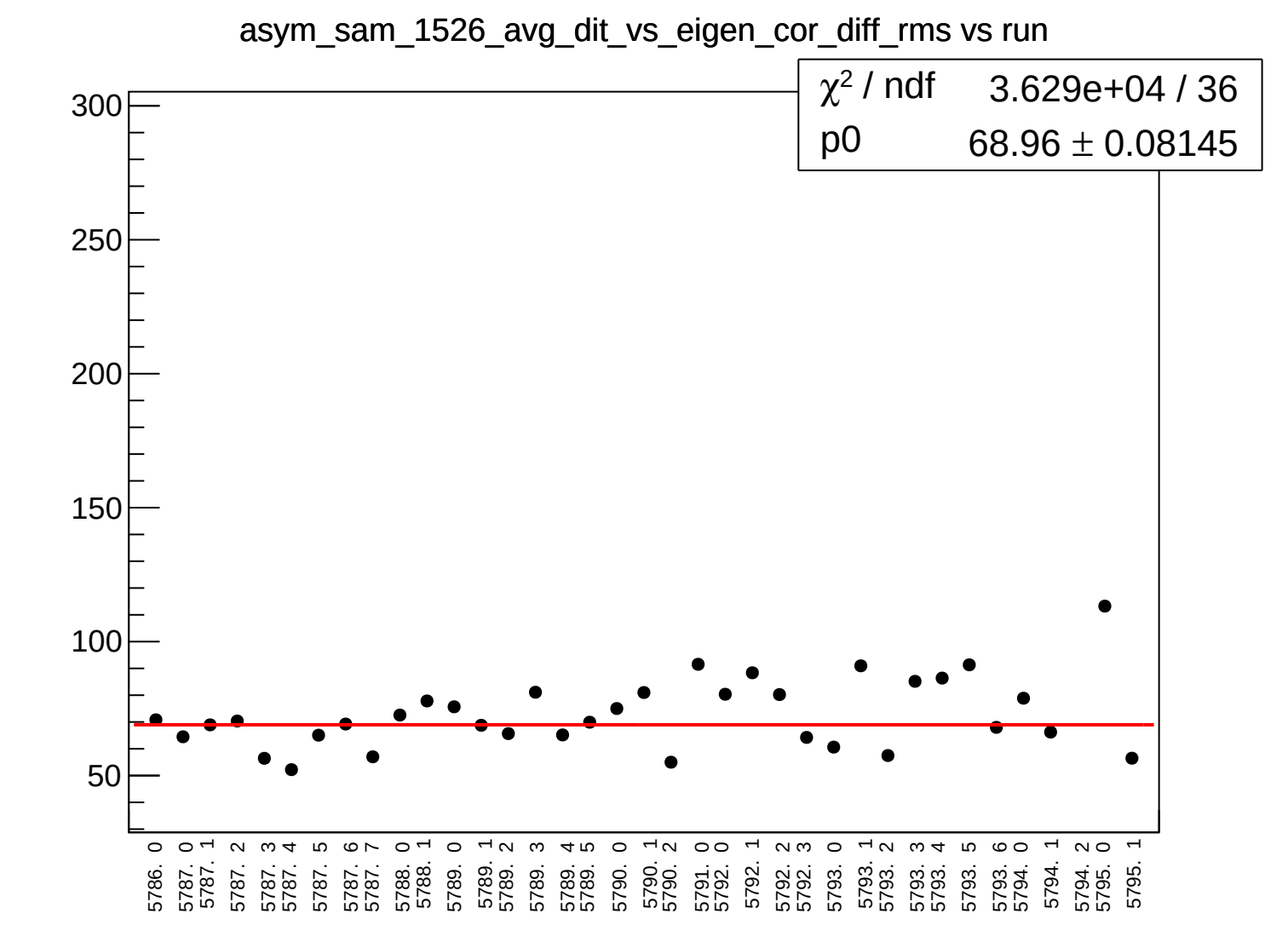

pull1D
Entries 37
Mean 0.001282
Std Dev 1.22
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

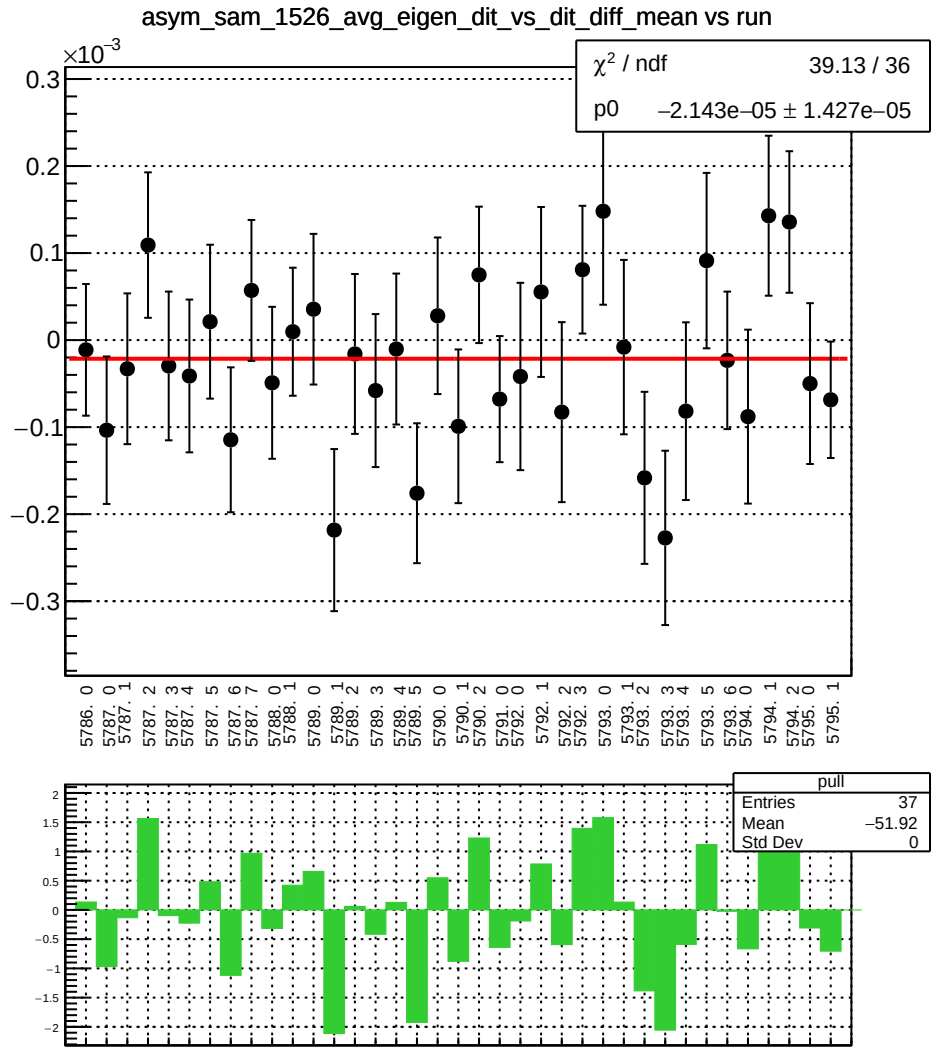

asym_sam_1526_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.767e+05 / 36
p0 8.095e−11 ± 1.173e−13
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

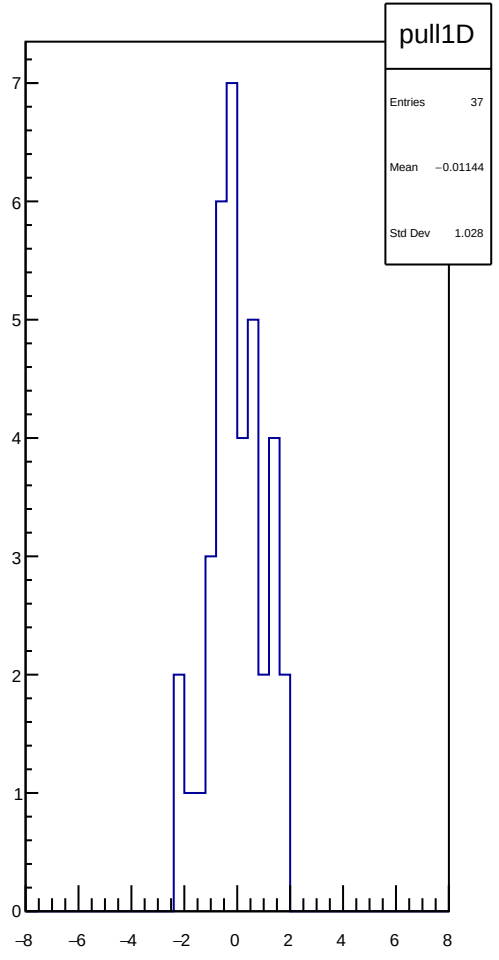

asym_sam_1526_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 44.77 / 36
p0 −0.02277 ± 0.1152
pull
Entries 37
Mean −395.6
Std Dev 0
pull1D
Entries 37
Mean −0.004352
Std Dev 1.1

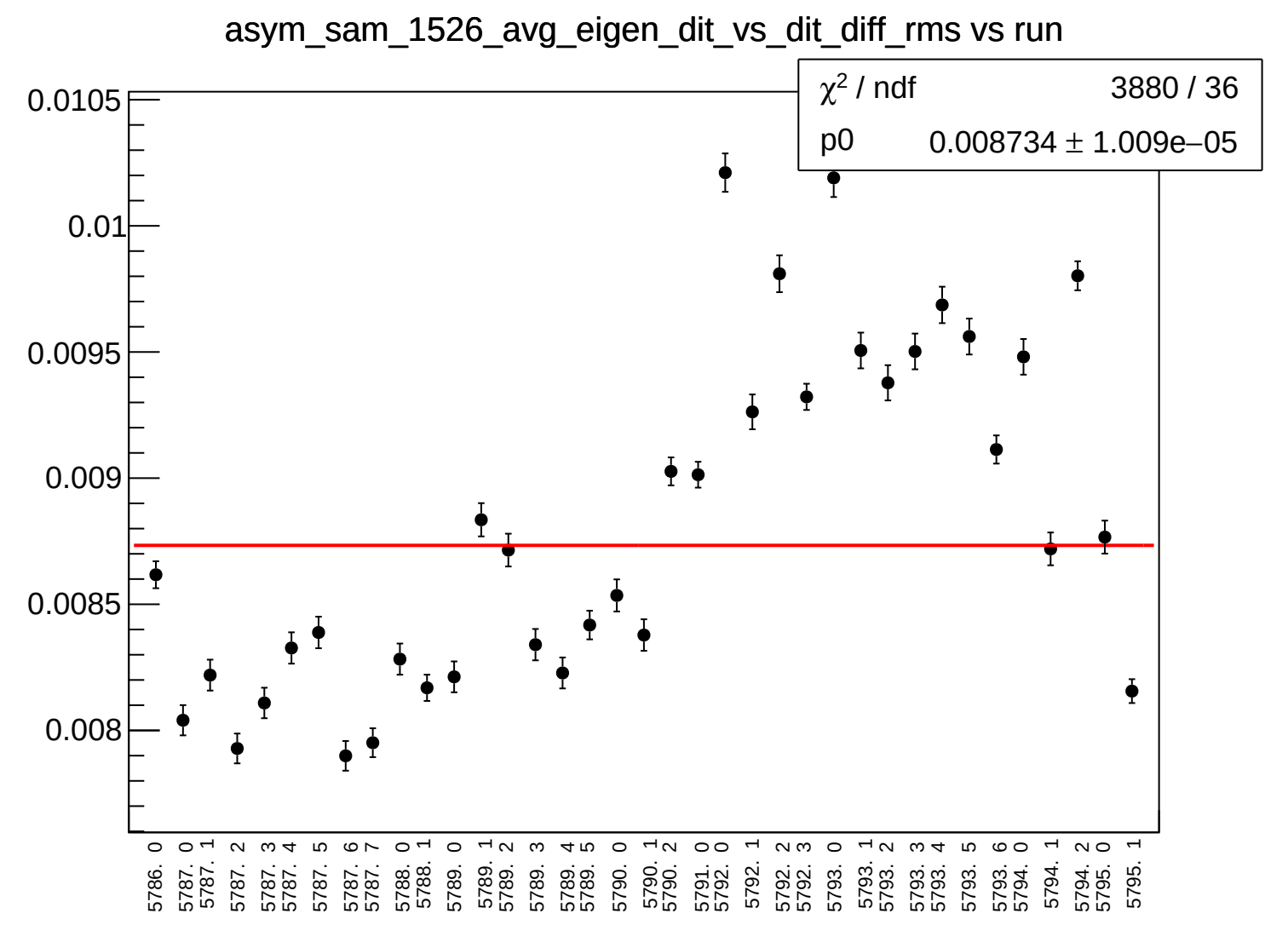

asym_sam_1526_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.629e+04 / 36
p0 68.96 ± 0.08145
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

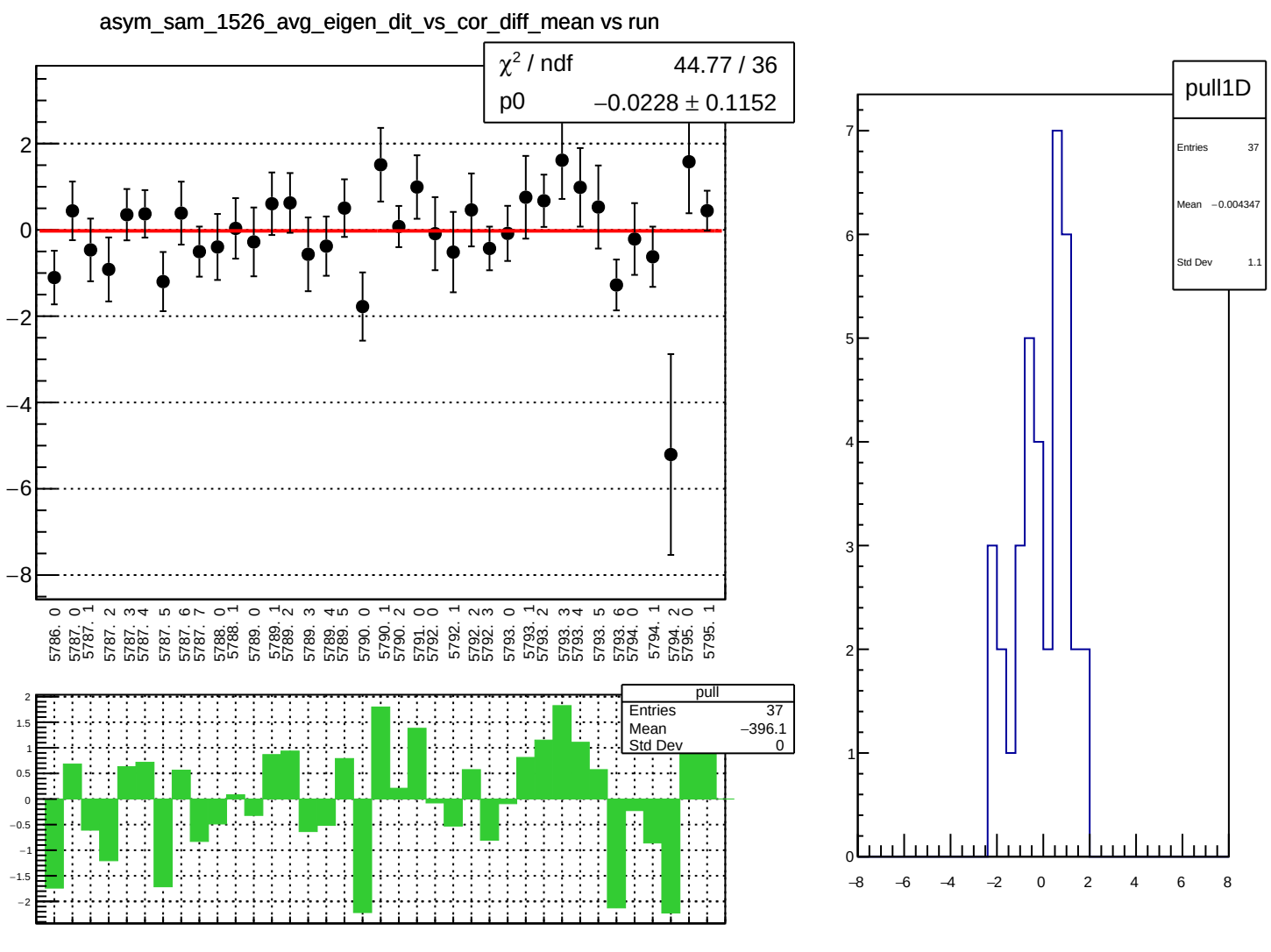

asym_sam_1526_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.77 / 36
p0 −0.02277 ± 0.1152
pull
Entries 37
Mean −395.6
Std Dev 0
pull1D
Entries 37
Mean −0.004352
Std Dev 1.1

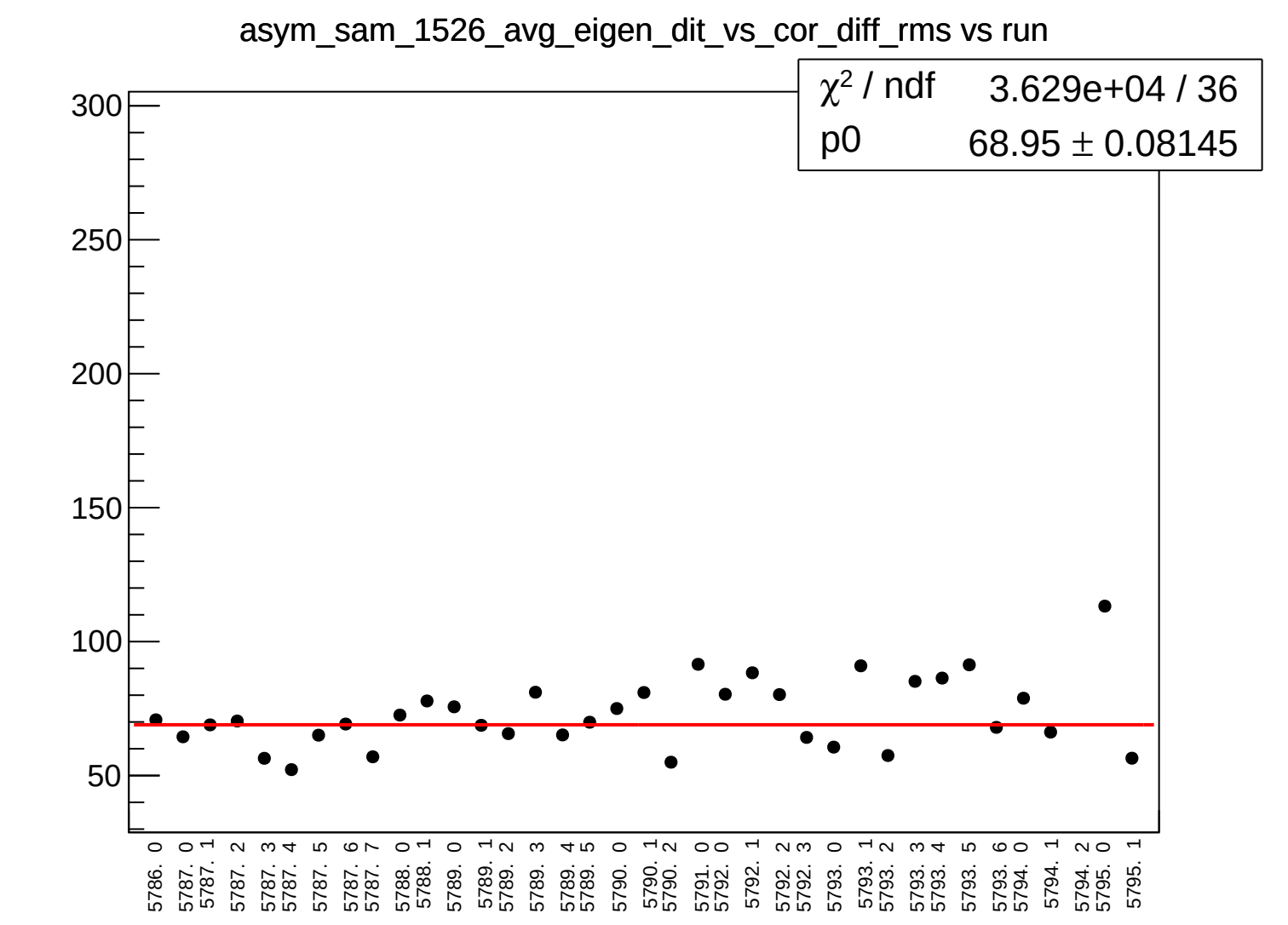

asym_sam_1526_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.629e+04 / 36
p0 68.96 ± 0.08145
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

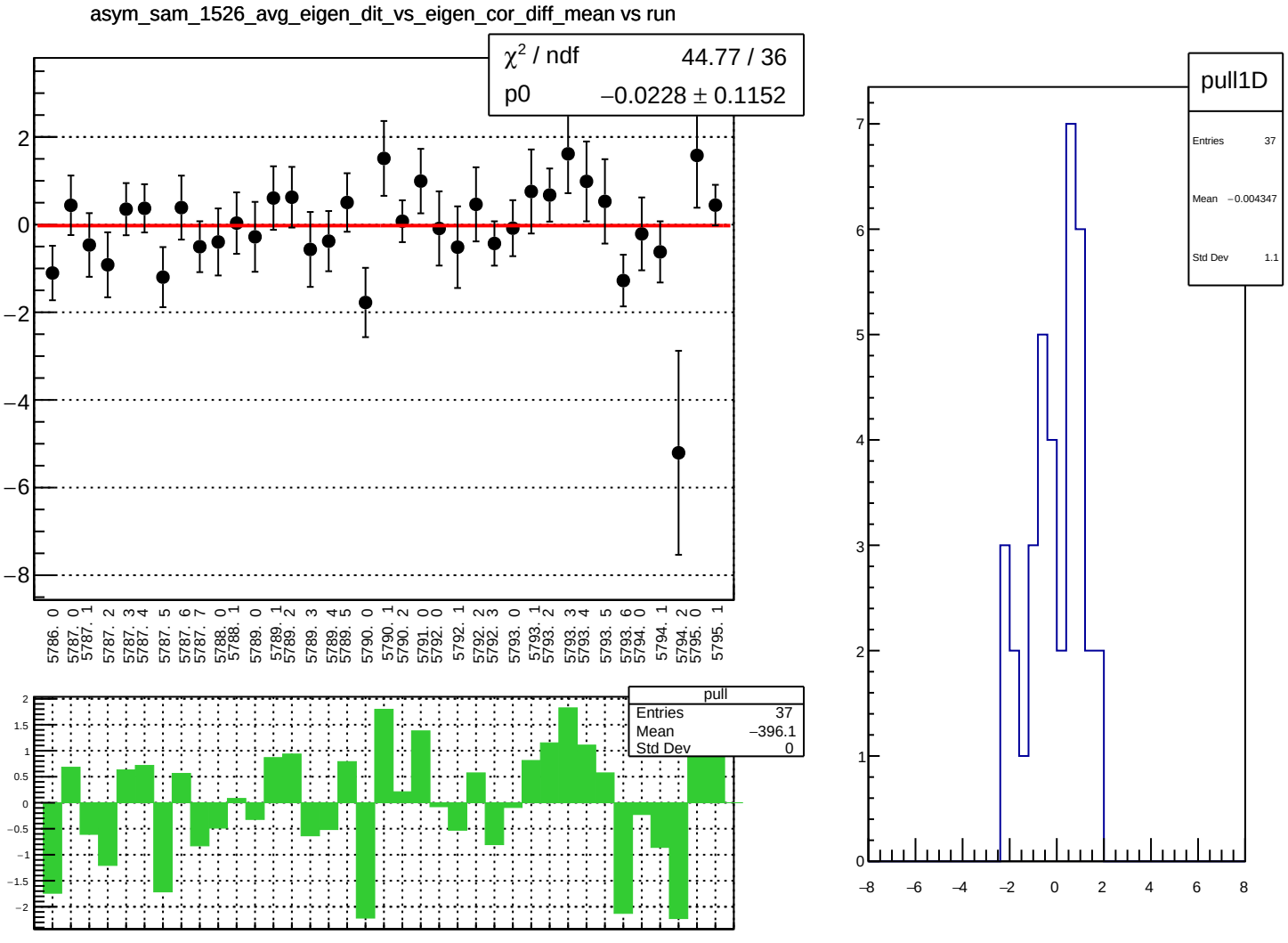

asym_sam_1526_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.13 / 36
p0 −2.143e−05 ± 1.427e−05
pull
Entries 37
Mean −51.92
Std Dev 0

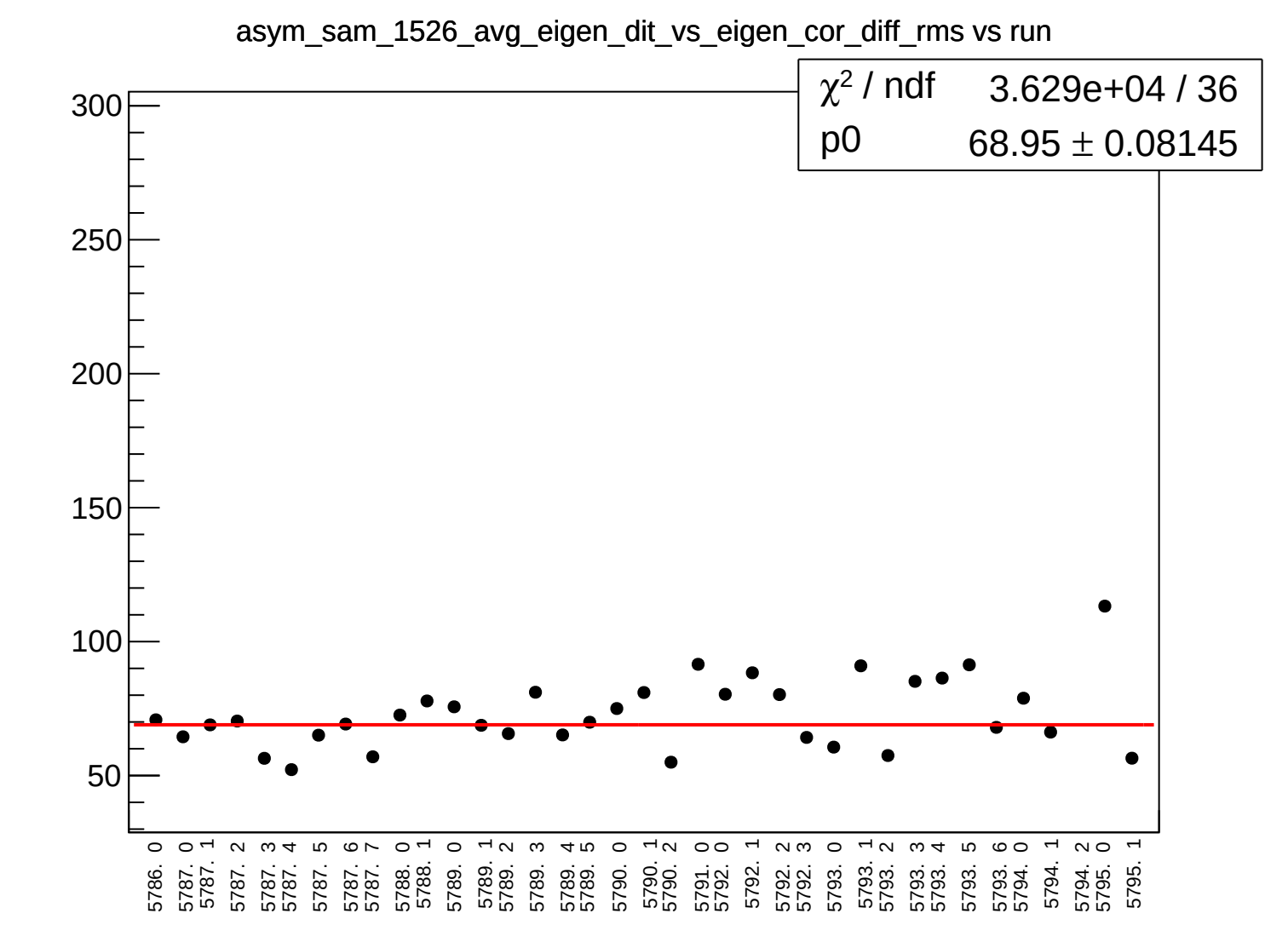

pull1D
Entries 37
Mean −0.01144
Std Dev 1.028

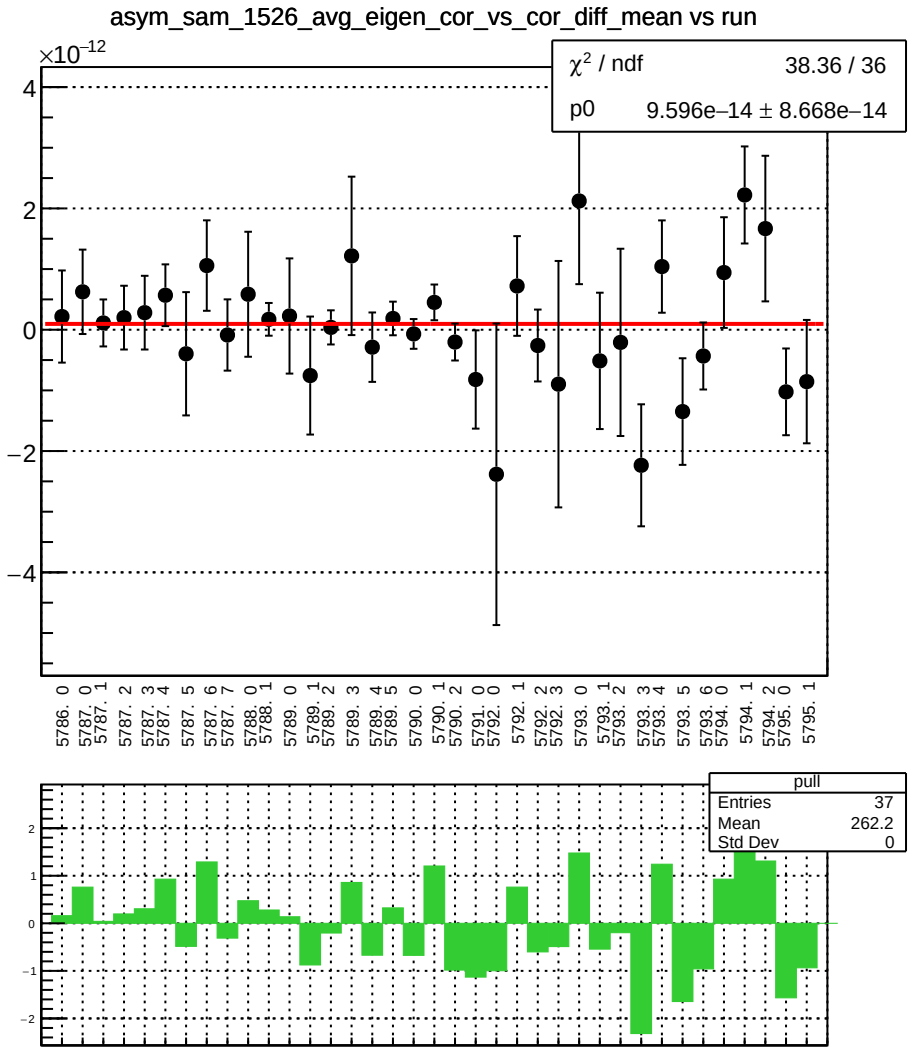

asym_sam_1526_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3880 / 36
p0 0.008734 ± 1.009e−05
0.0105
0.01
0.0095
0.009
0.0085
0.008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

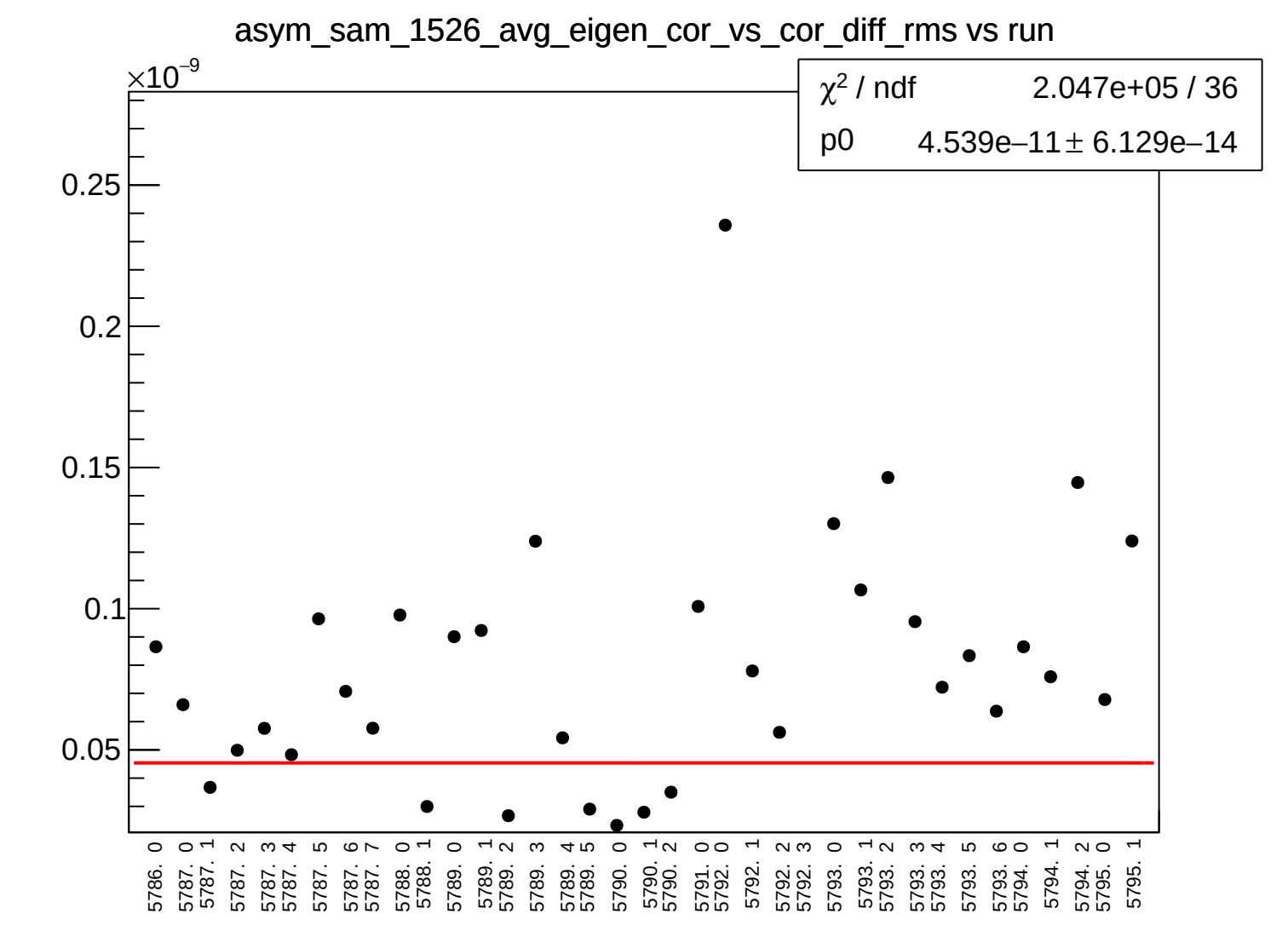

asym_sam_1526_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 44.77 / 36
p0 −0.0228 ± 0.1152
pull
Entries 37
Mean −396.1
Std Dev 0
pull1D
Entries 37
Mean −0.004347
Std Dev 1.1

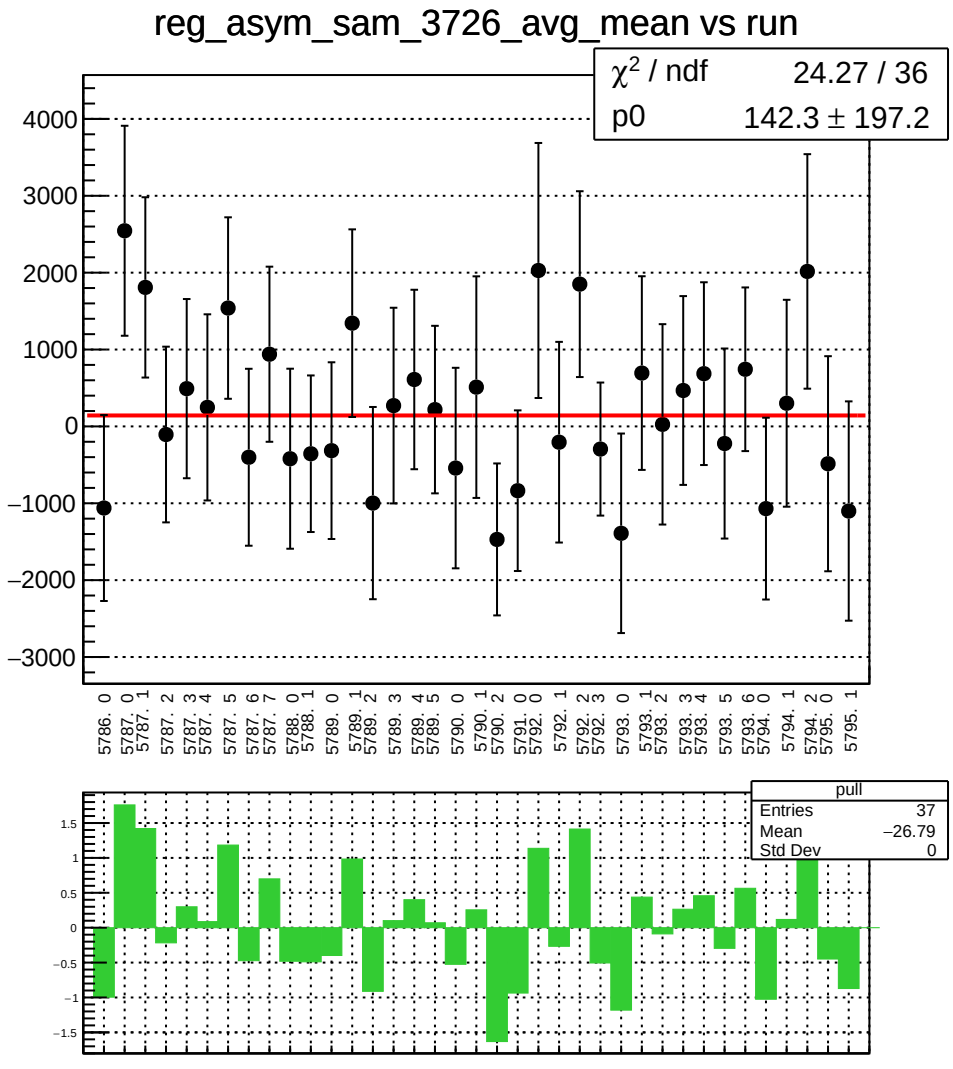

asym_sam_1526_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.629e+04 / 36
p0 68.95 ± 0.08145
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

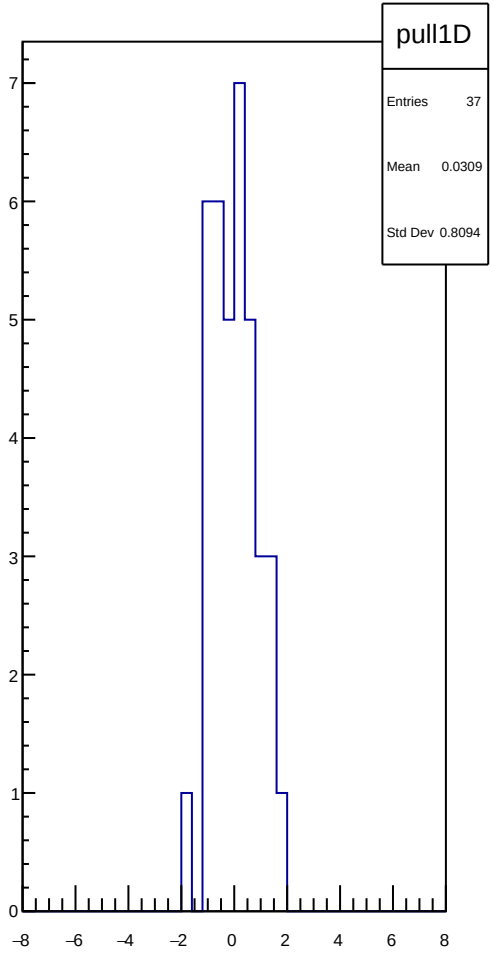

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.77 / 36
p0 −0.0228 ± 0.1152
pull
Entries 37
Mean −396.1
Std Dev 0
pull1D
Entries 37
Mean −0.004347
Std Dev 1.1

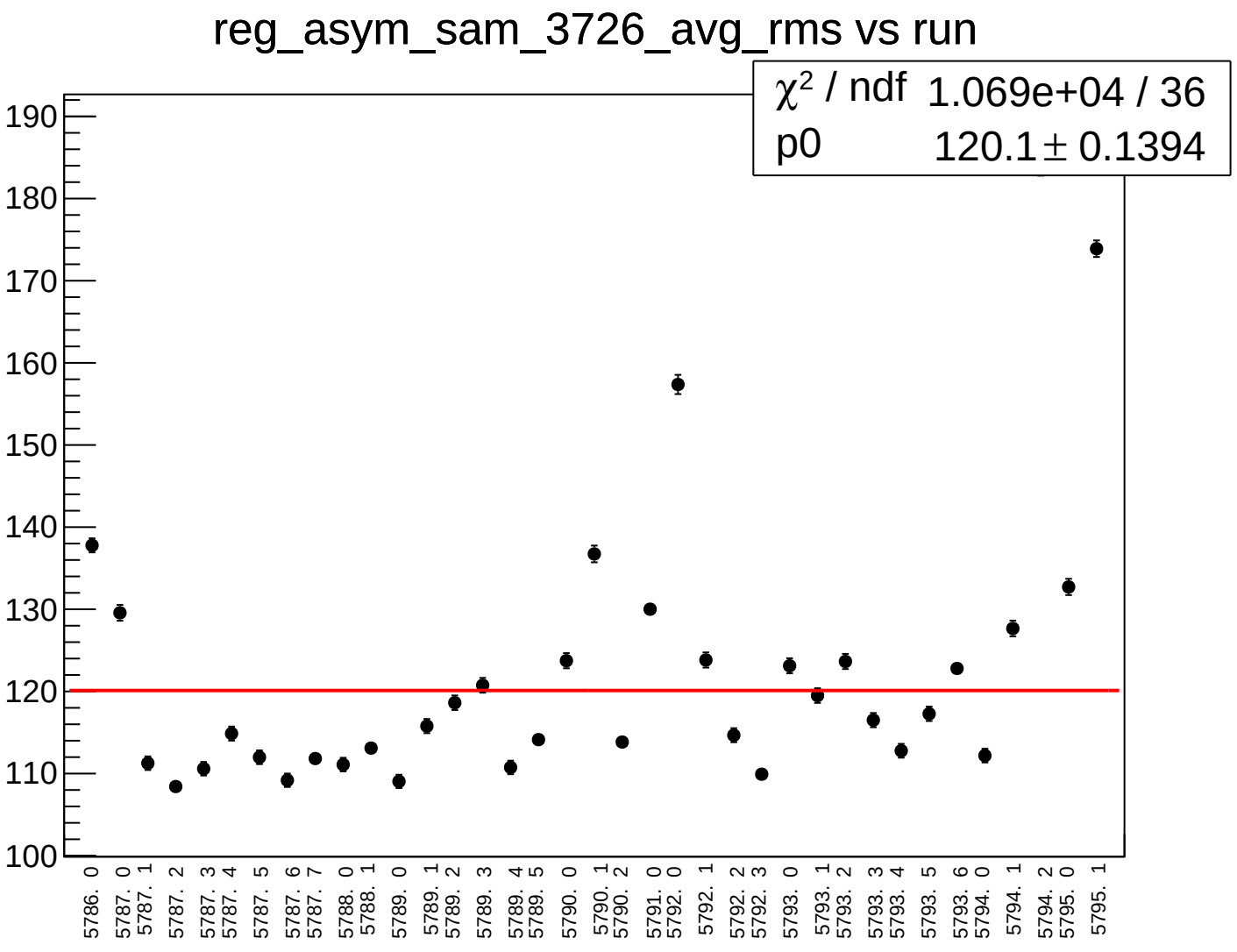

asym_sam_1526_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.629e+04 / 36
p0 68.95 ± 0.08145
300
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

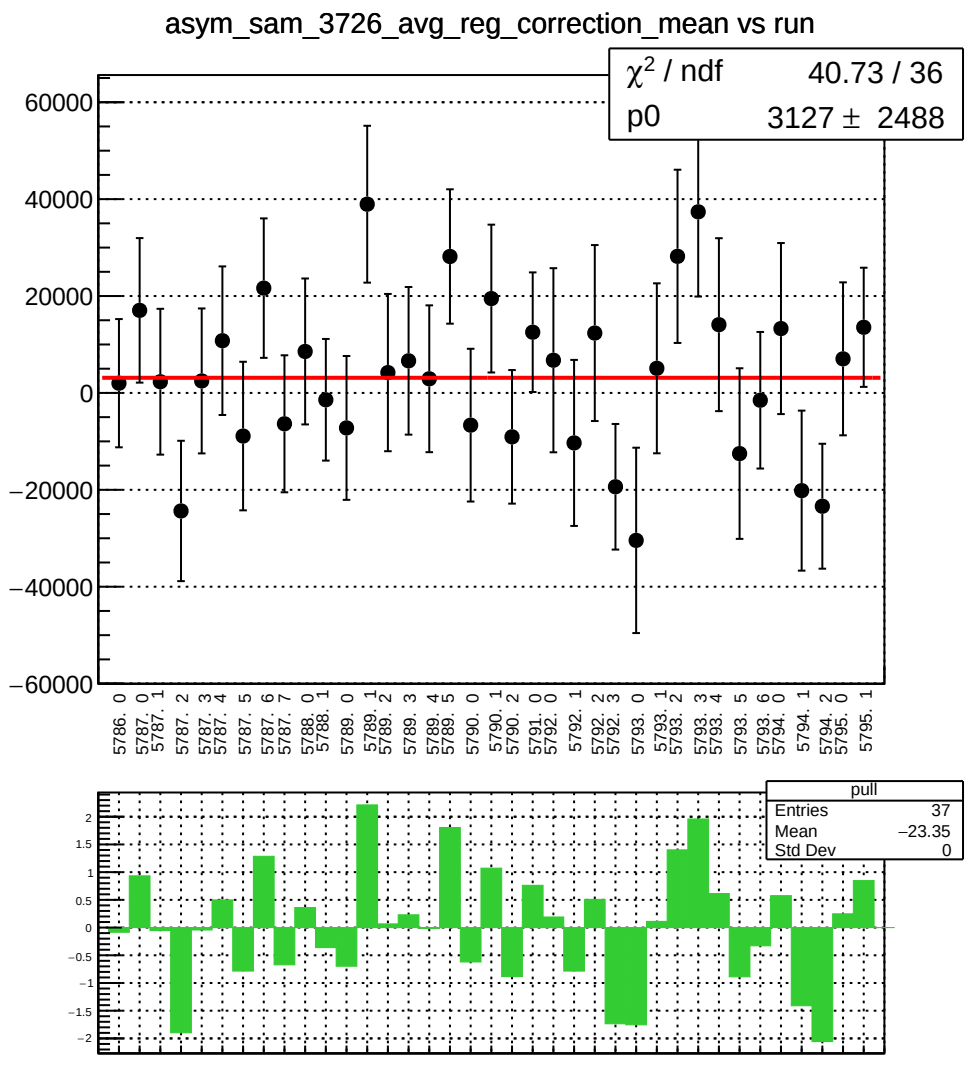

asym_sam_1526_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 38.36 / 36
p0 9.596e−14 ± 8.668e−14
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 262.2
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.006641
Std Dev 1.018
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

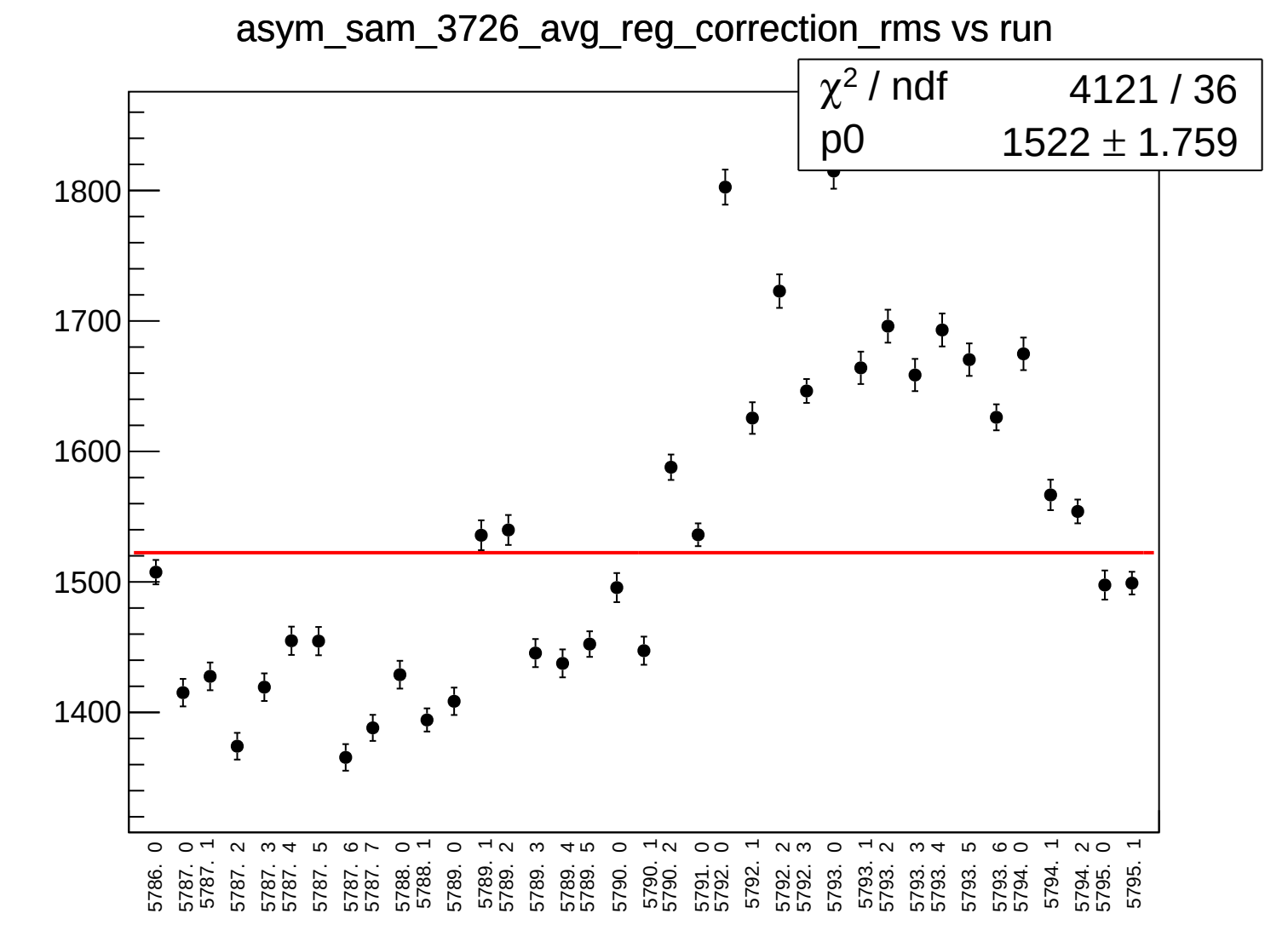

asym_sam_1526_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.047e+05 / 36
p0 4.539e−11 ± 6.129e−14
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

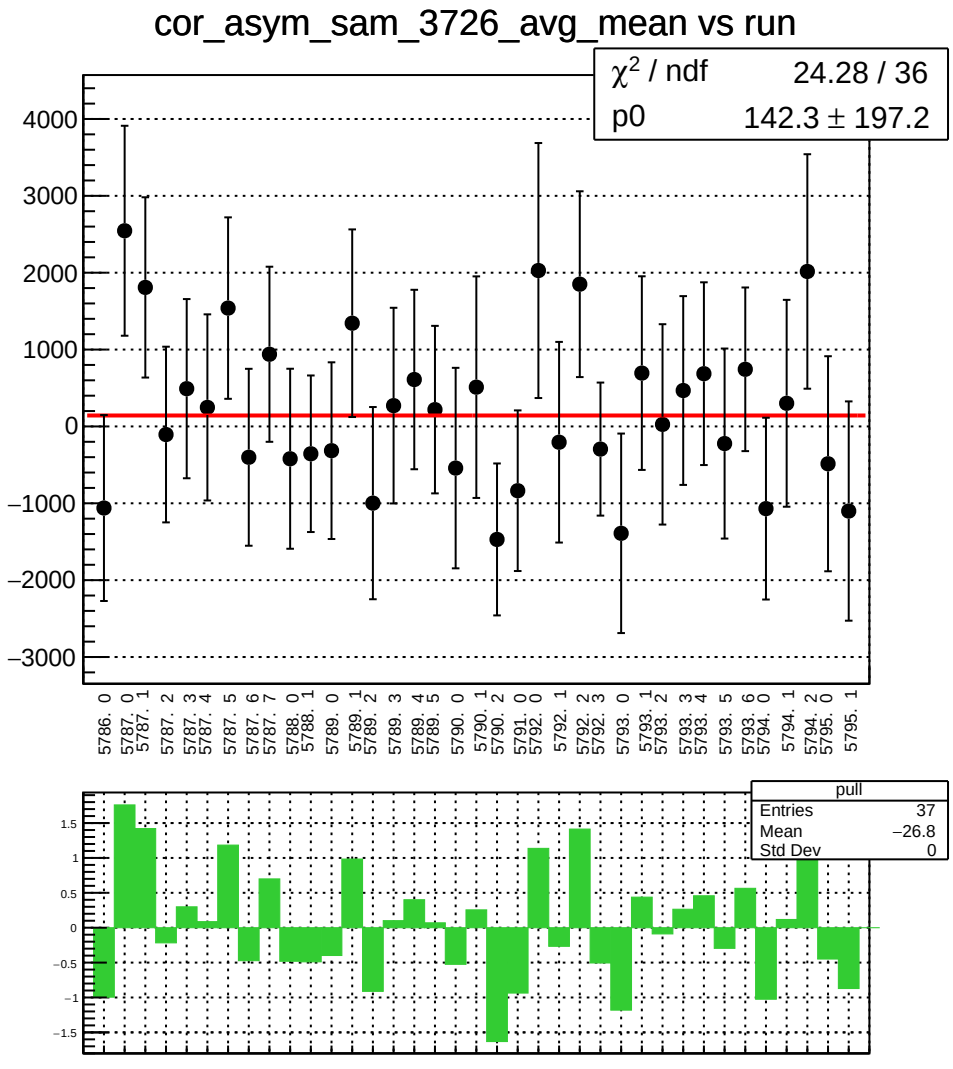

reg_asym_sam_3726_avg_mean vs run
χ² / ndf 24.27 / 36
p0 142.3 ± 197.2
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.79
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

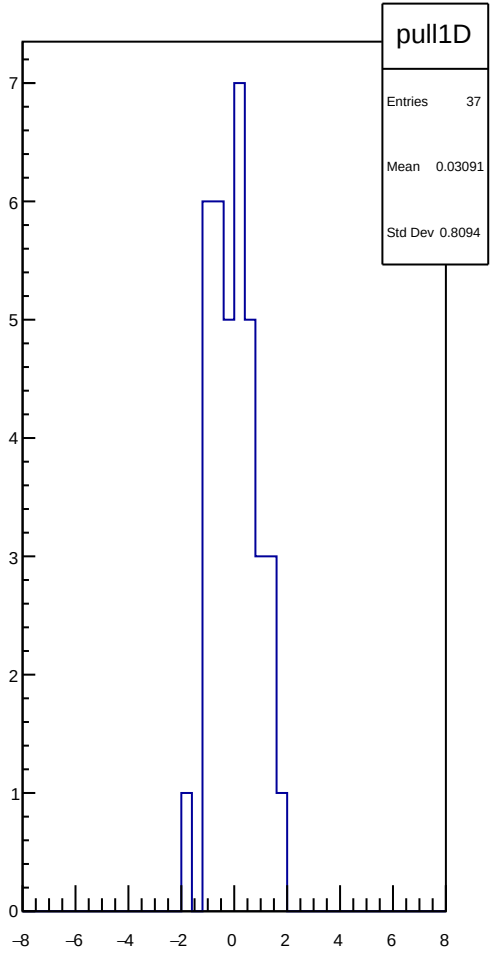

pull1D
Entries 37
Mean 0.0309
Std Dev 0.8094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

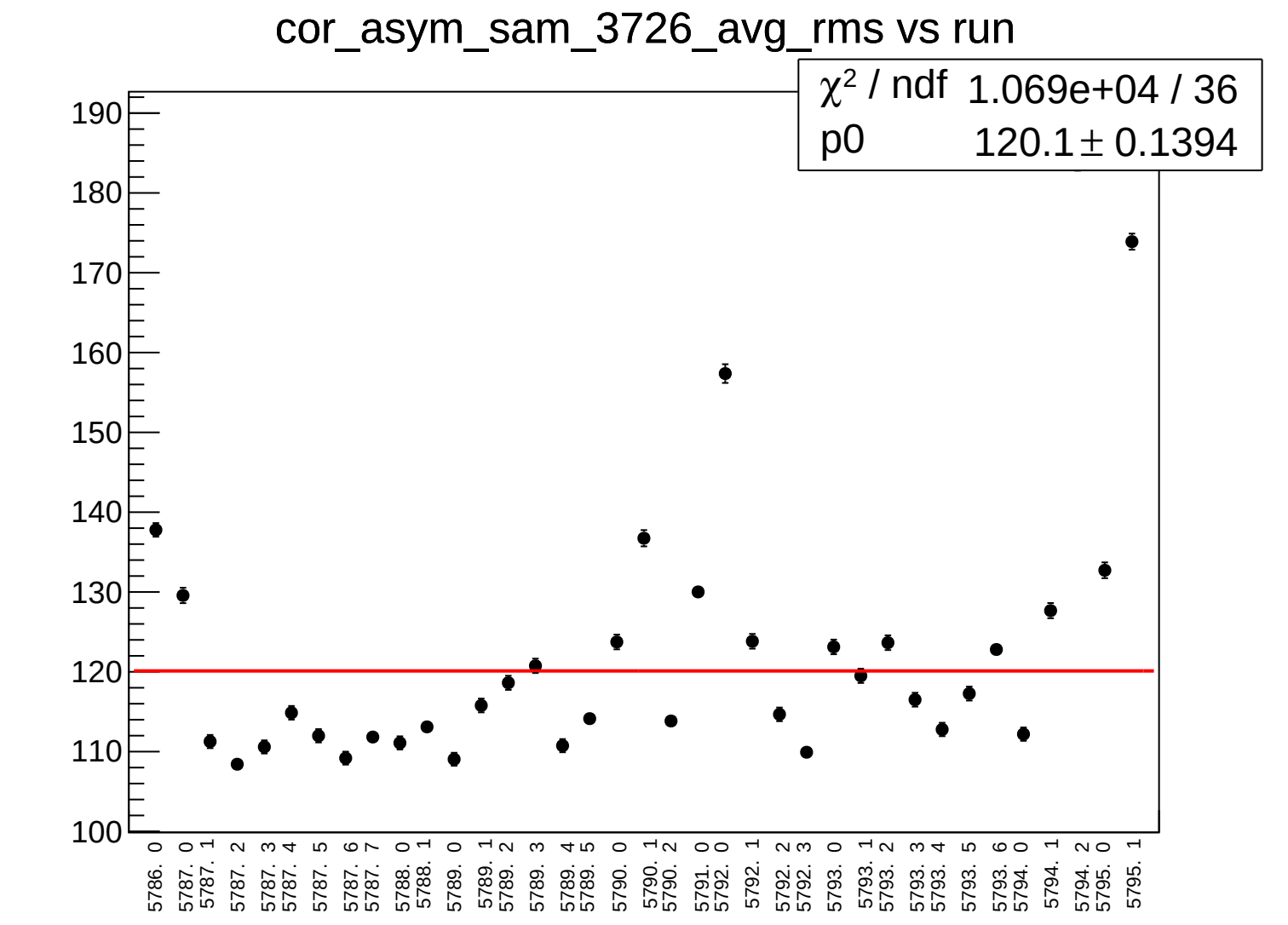

reg_asym_sam_3726_avg_rms vs run
χ² / ndf 1.069e+04 / 36
p0 120.1 ± 0.1394
190
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

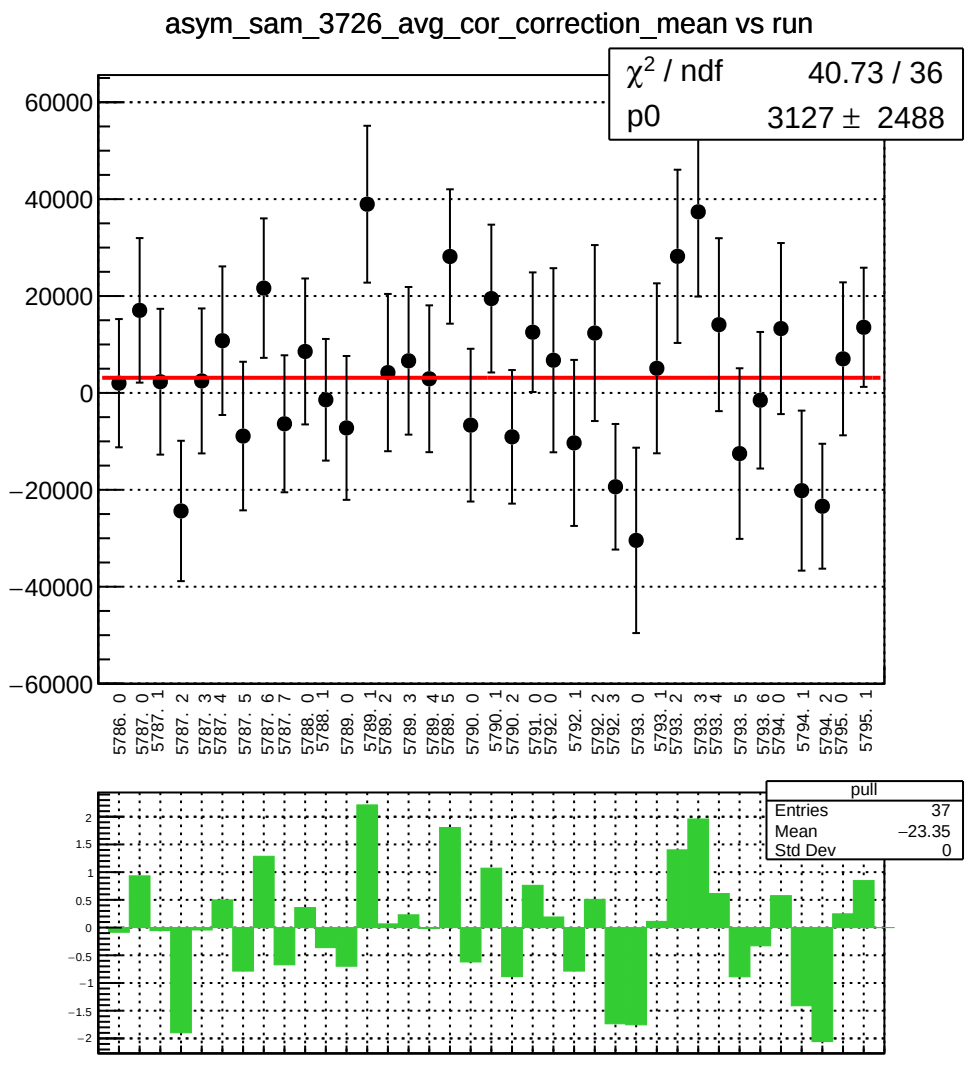

asym_sam_3726_avg_reg_correction_mean vs run
χ² / ndf 40.73 / 36
p0 3127 ± 2488
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0165
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

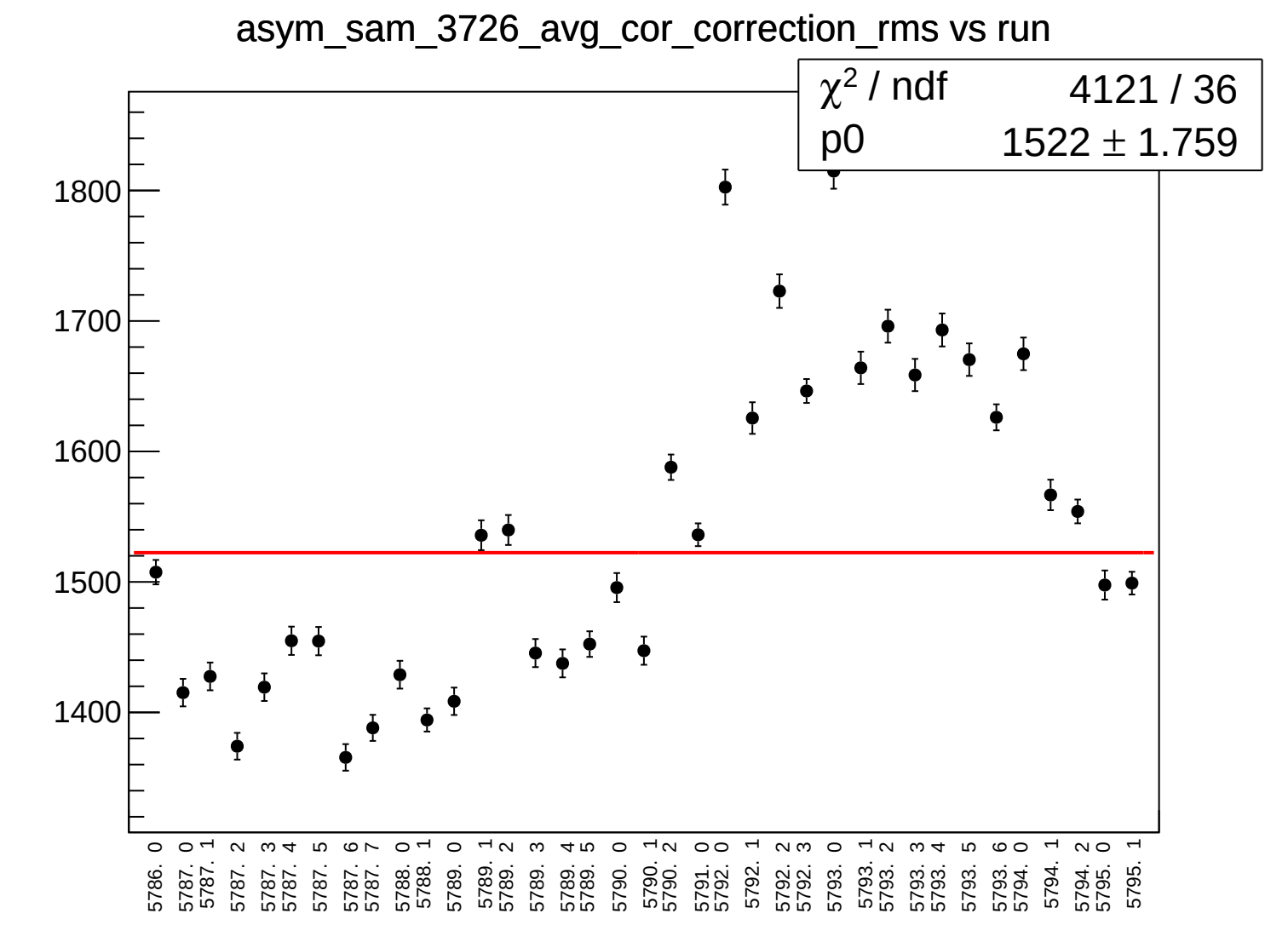

asym_sam_3726_avg_reg_correction_rms vs run
χ² / ndf 4121 / 36
p0 1522 ± 1.759
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam_3726_avg_mean vs run
χ² / ndf 24.28 / 36
p0 142.3 ± 197.2
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean 0.03091
Std Dev 0.8094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.069e+04 / 36
p0 120.1 ± 0.1394
190
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_3726_avg_cor_correction_mean vs run
χ² / ndf 40.73 / 36
p0 3127 ± 2488
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.0165
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_cor_correction_rms vs run
χ² / ndf 4121 / 36
p0 1522 ± 1.759
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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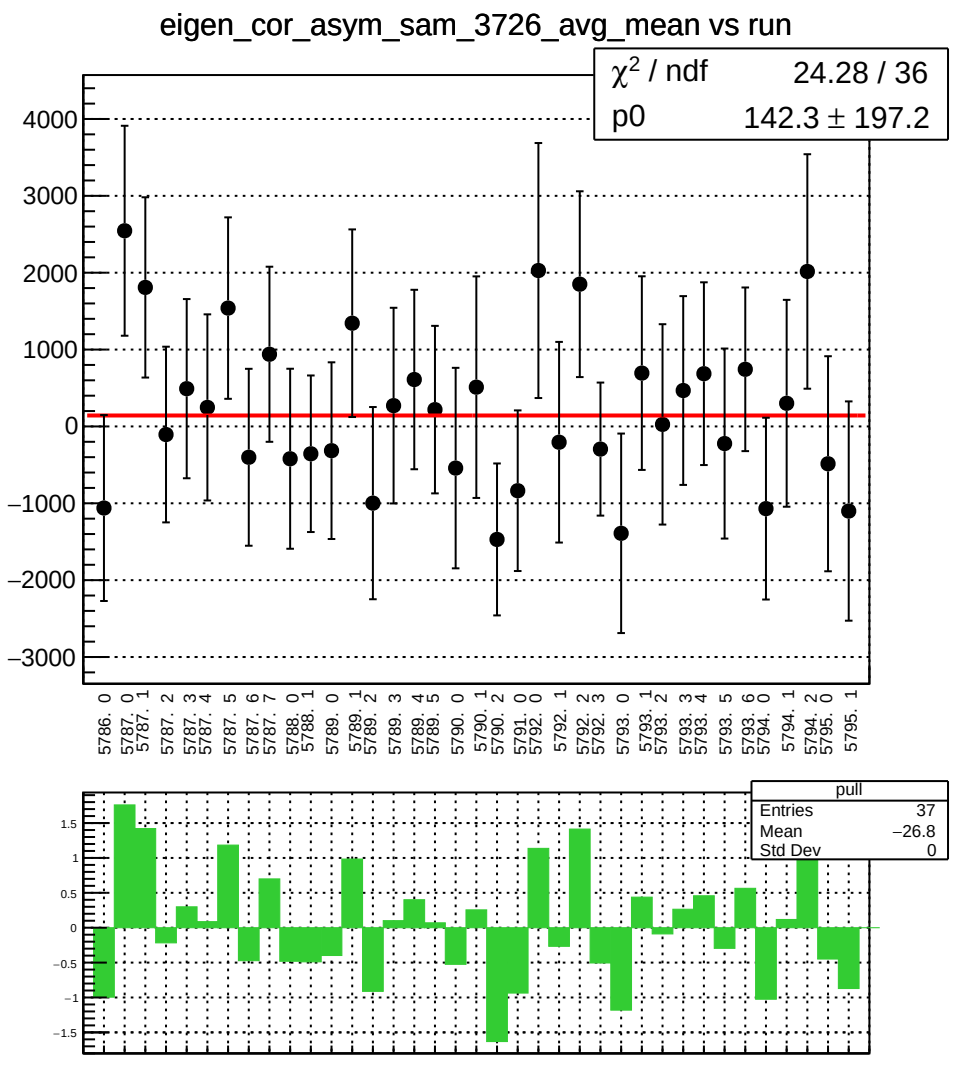
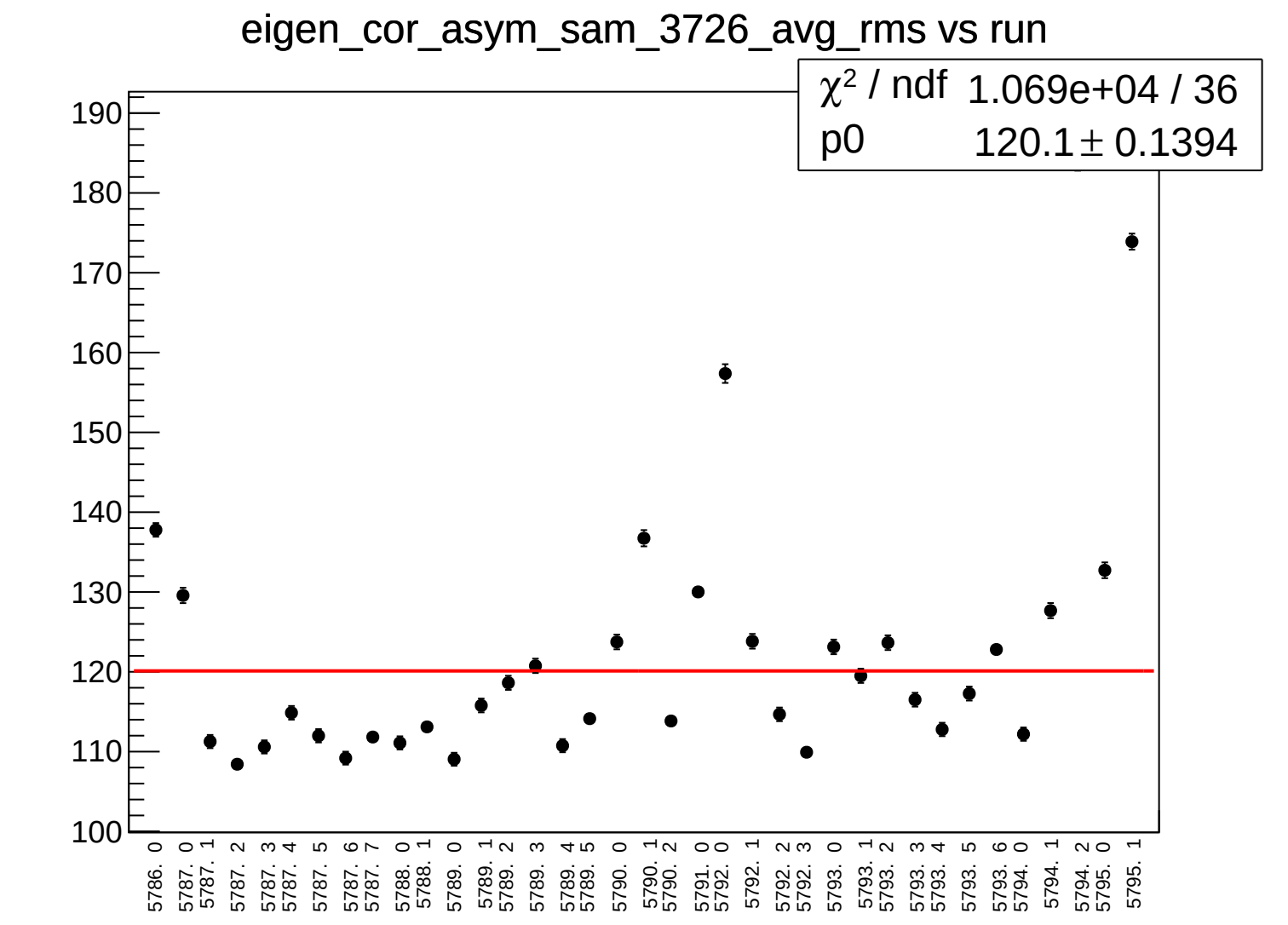
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam_3726_avg_mean vs run
χ² / ndf 24.28 / 36
p0 142.3 ± 197.2
4000
3000
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −26.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.03091
Std Dev 0.8094
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_3726_avg_rms vs run
χ² / ndf 1.069e+04 / 36
p0 120.1 ± 0.1394
190
180
170
160
150
140
130
120
110
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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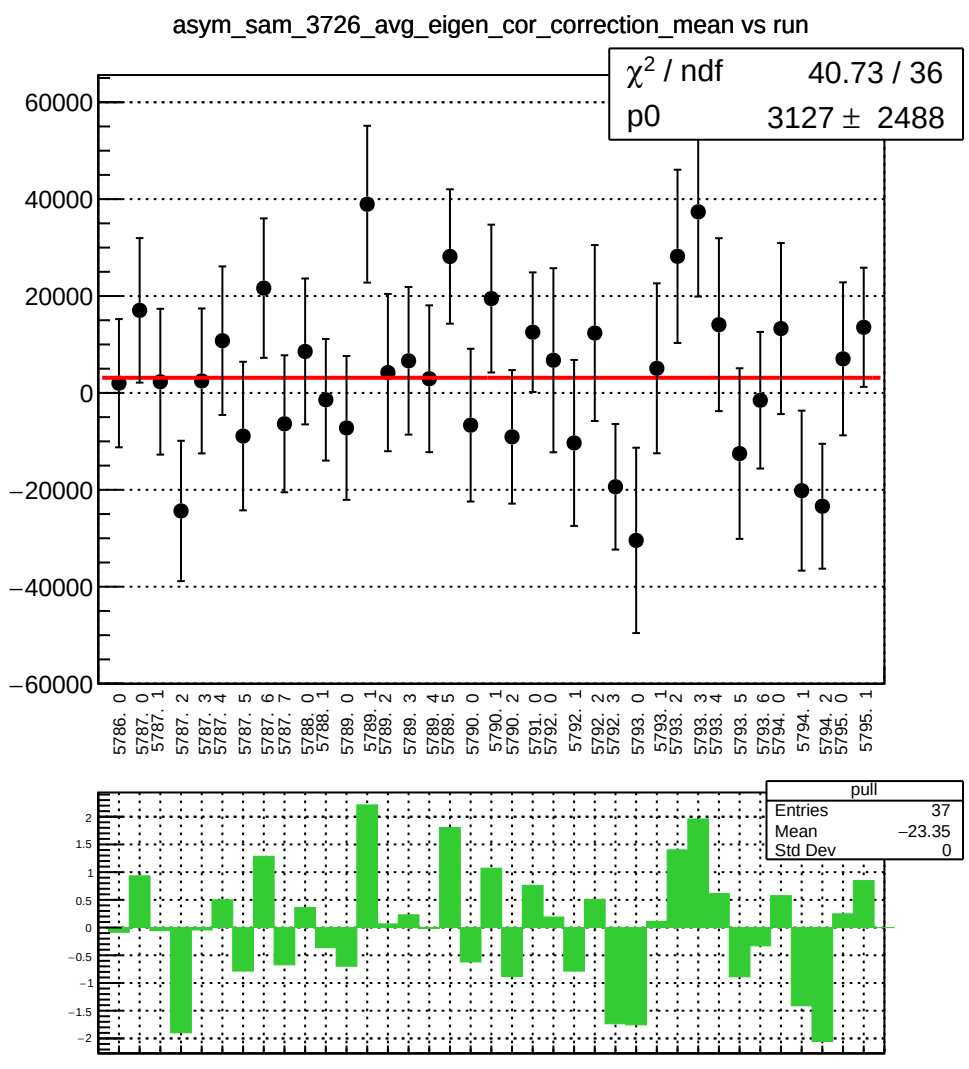
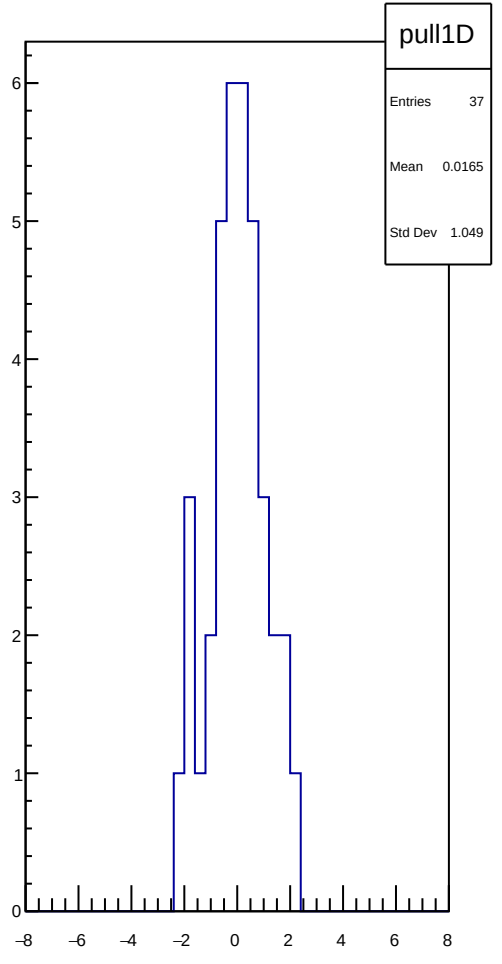
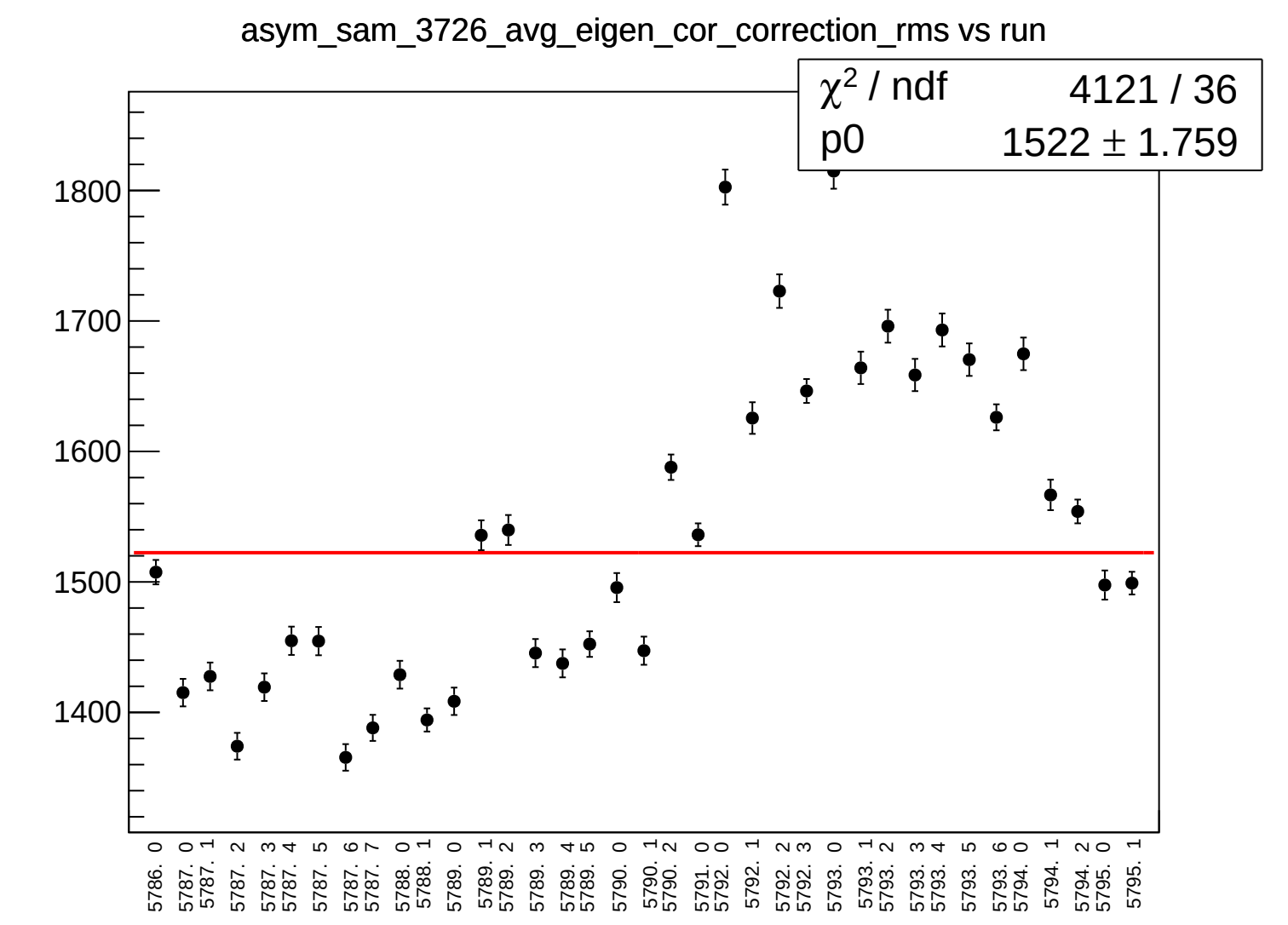
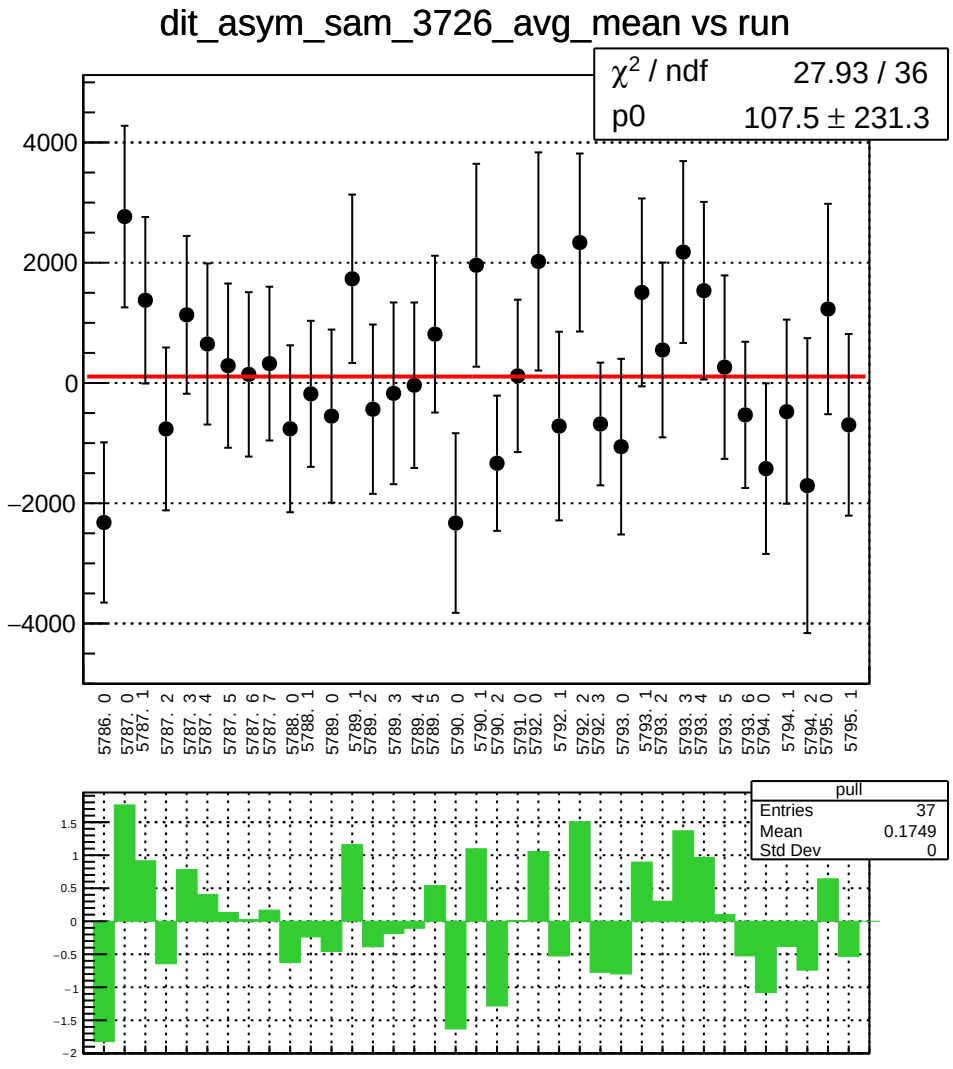
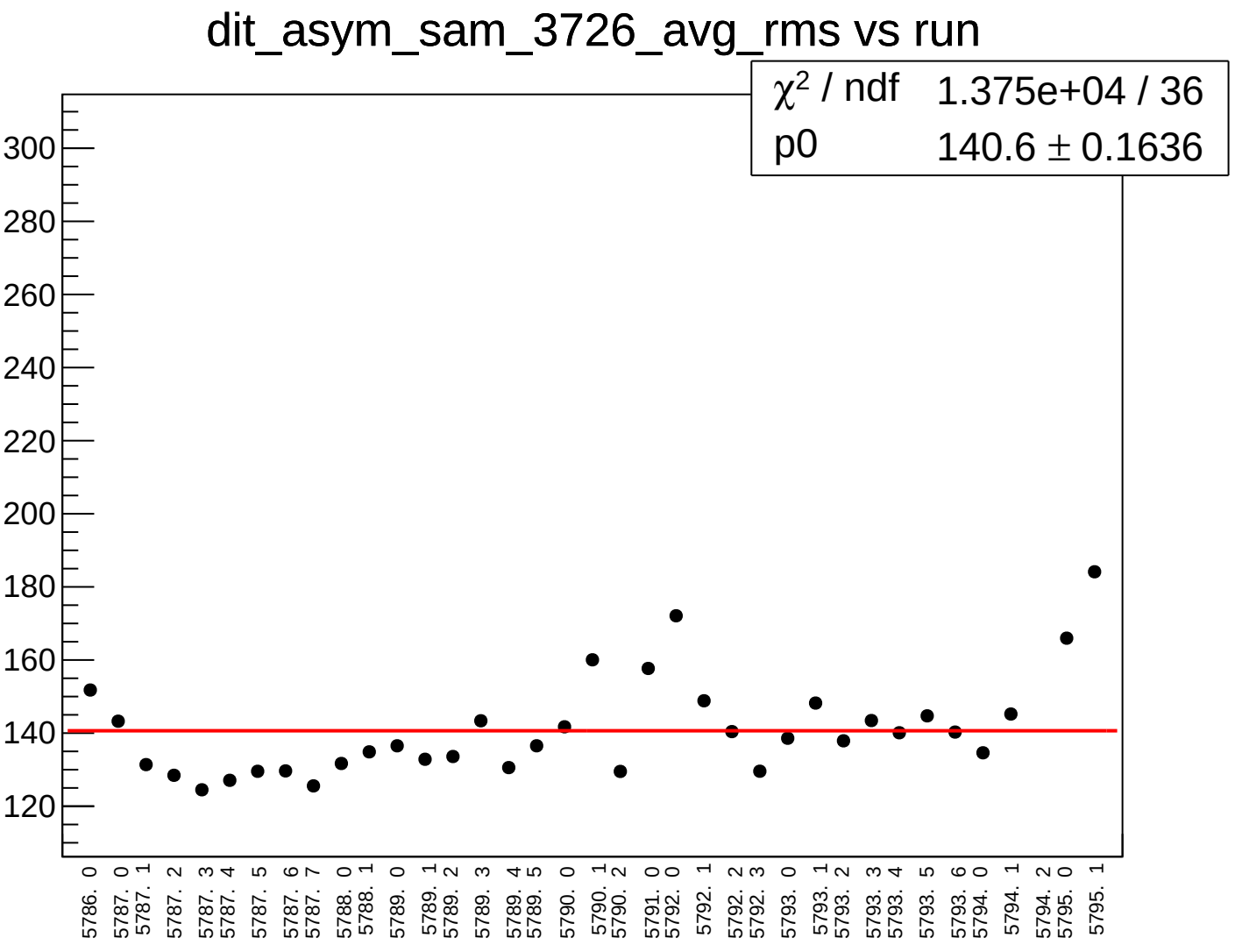
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

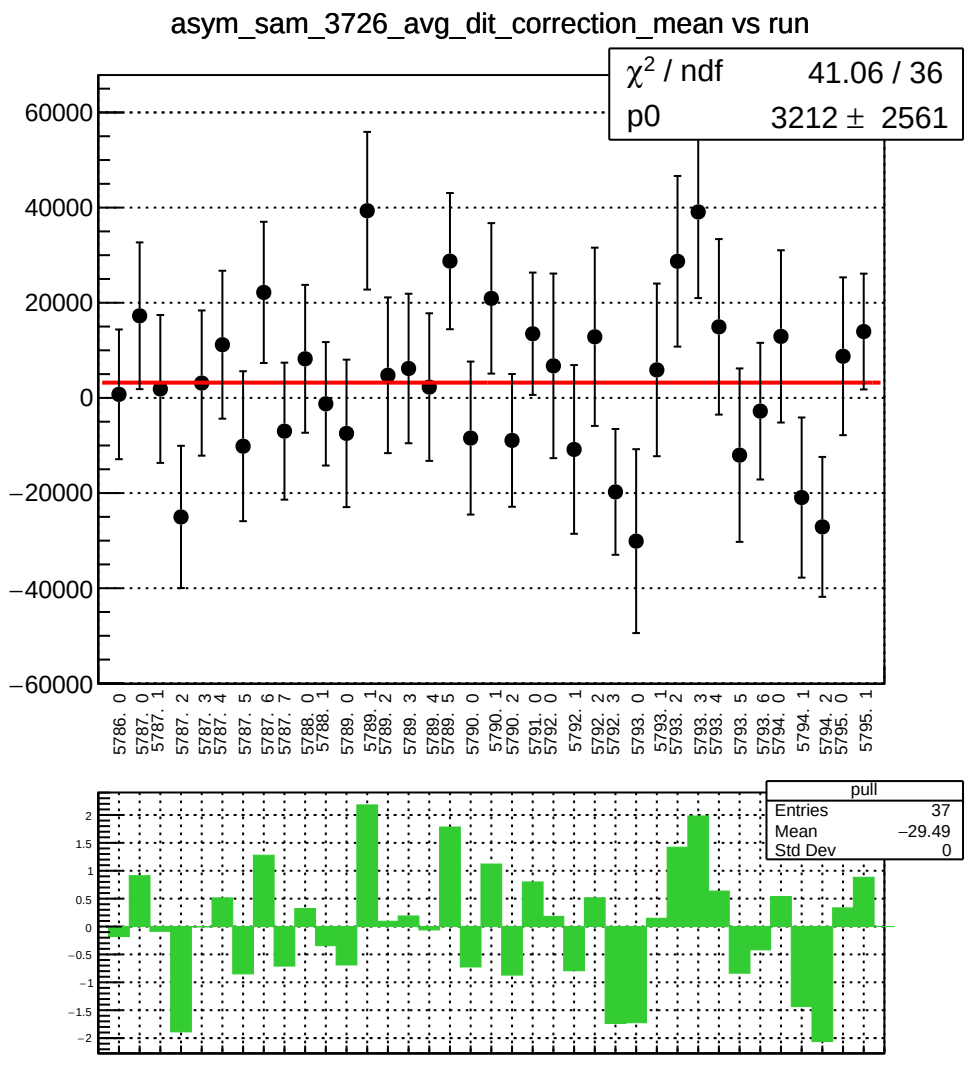

asym_sam_3726_avg_eigen_cor_correction_mean vs run
χ² / ndf 40.73 / 36
p0 3127 ± 2488
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.35
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

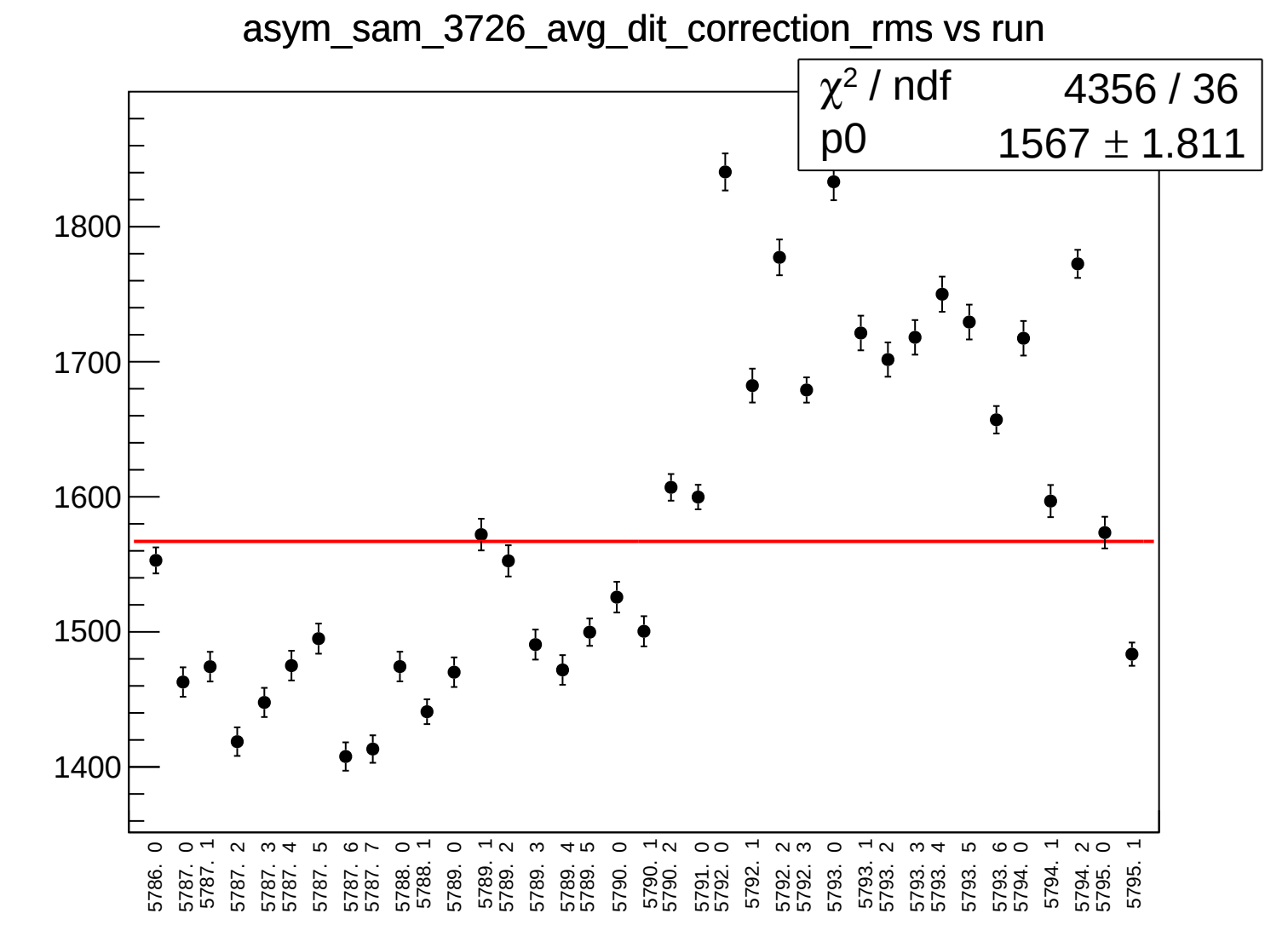

pull1D
Entries 37
Mean 0.0165
Std Dev 1.049
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

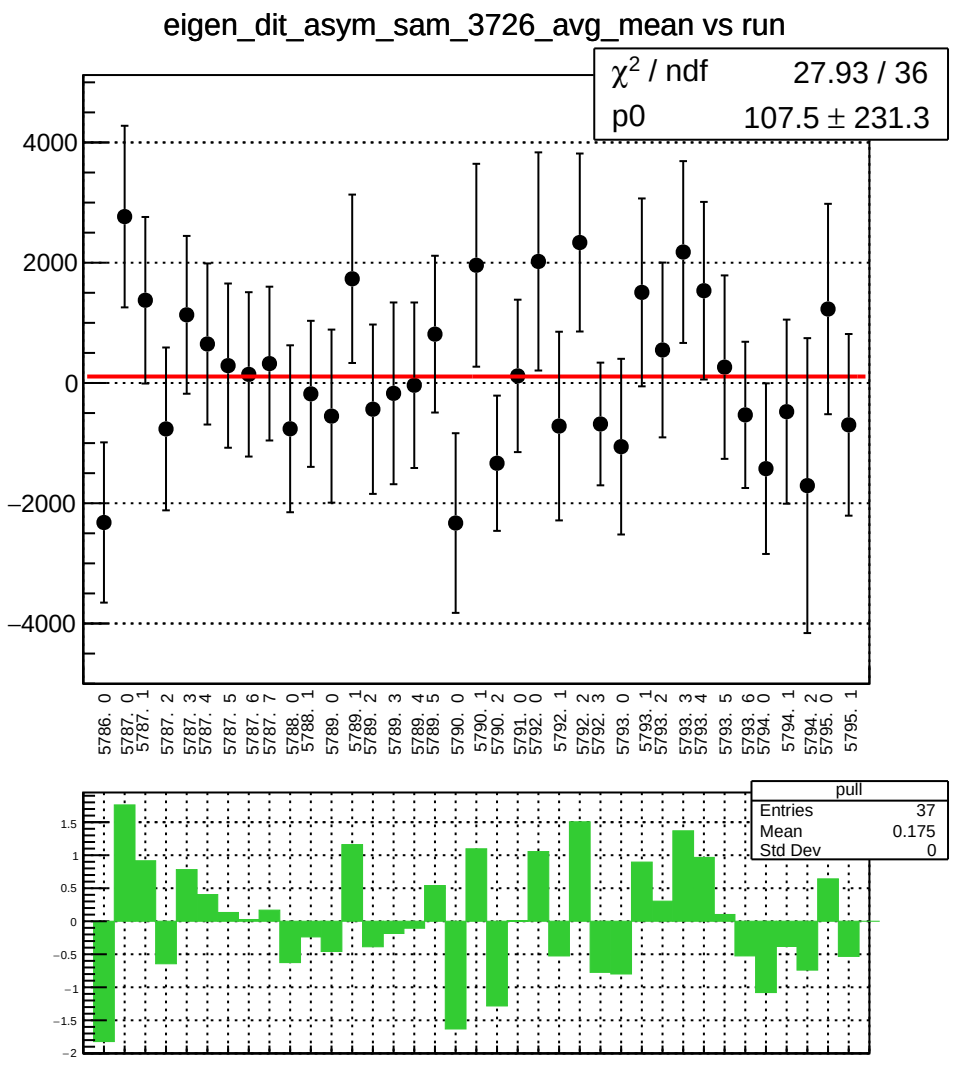

asym_sam_3726_avg_eigen_cor_correction_rms vs run
χ² / ndf 4121 / 36
p0 1522 ± 1.759
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

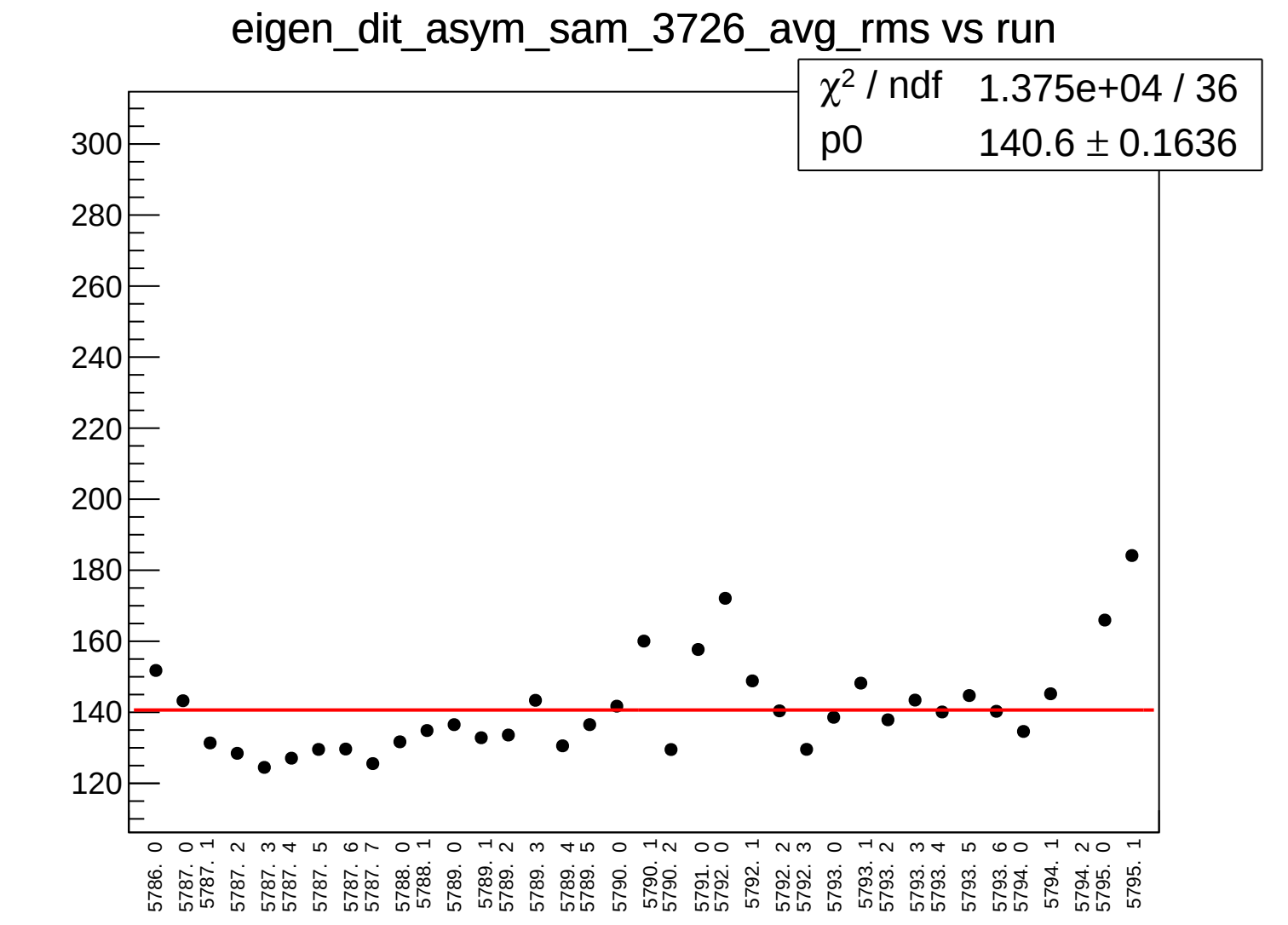

dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.93 / 36
p0 107.5 ± 231.3
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.1749
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.02983
Std Dev 0.8683
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

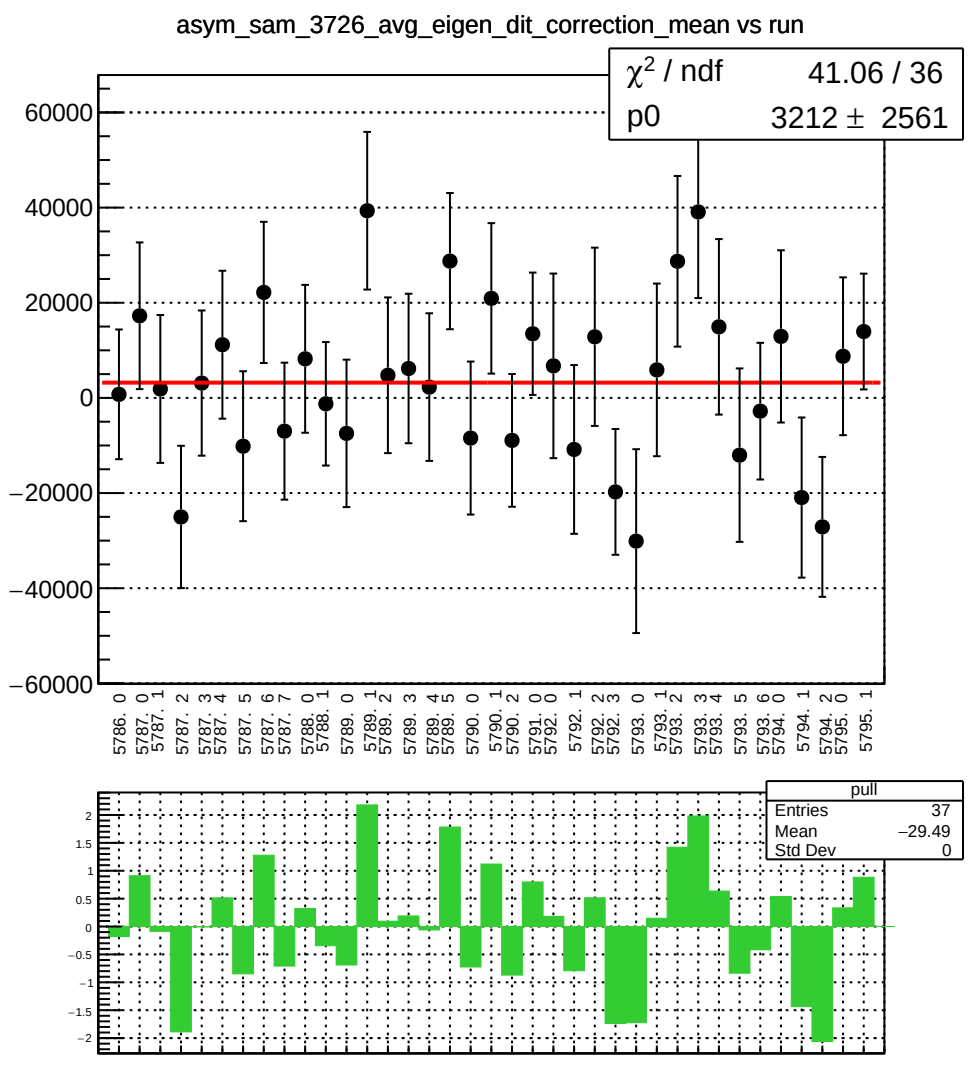

dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.375e+04 / 36
p0 140.6 ± 0.1636
300
280
260
240
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

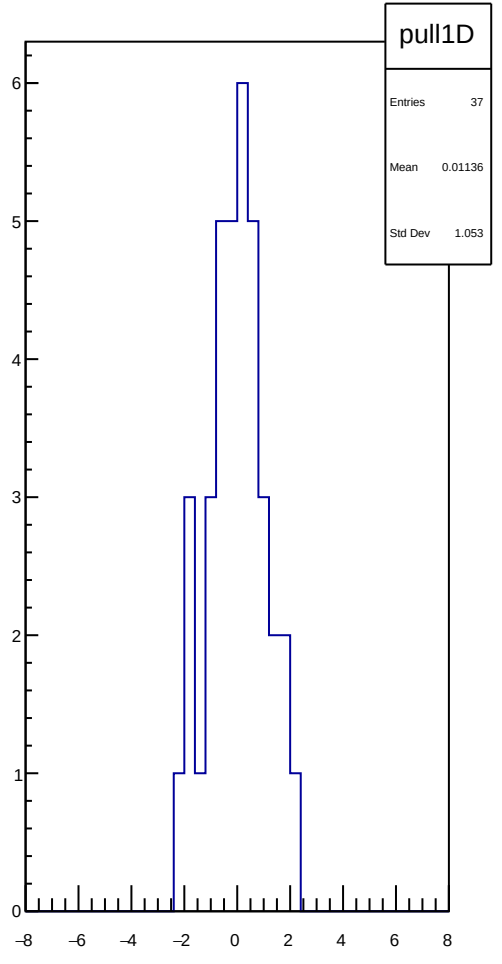

asym_sam_3726_avg_dit_correction_mean vs run
χ² / ndf 41.06 / 36
p0 3212 ± 2561
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −29.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01136
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

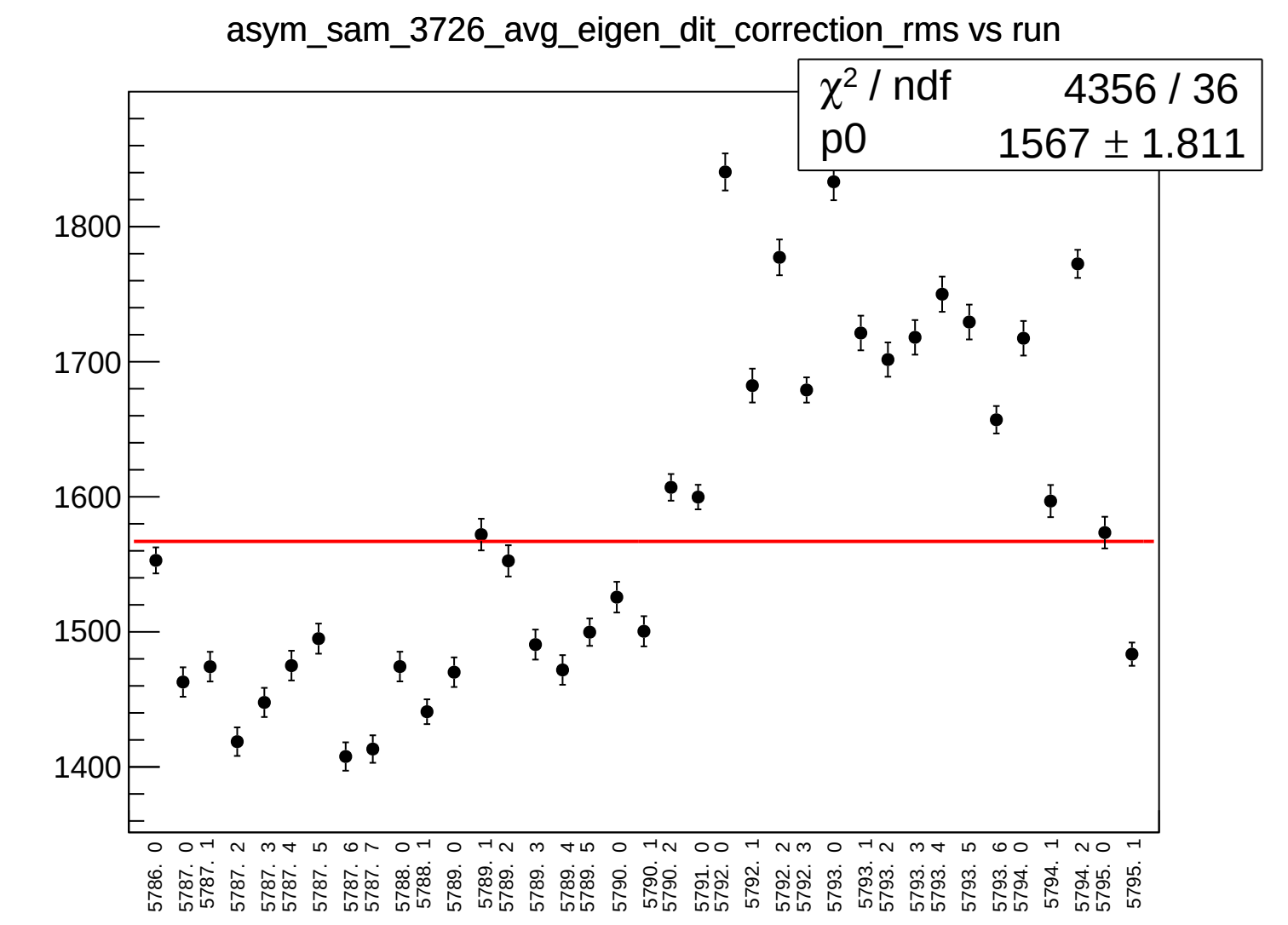

asym_sam_3726_avg_dit_correction_rms vs run
χ² / ndf 4356 / 36
p0 1567 ± 1.811
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

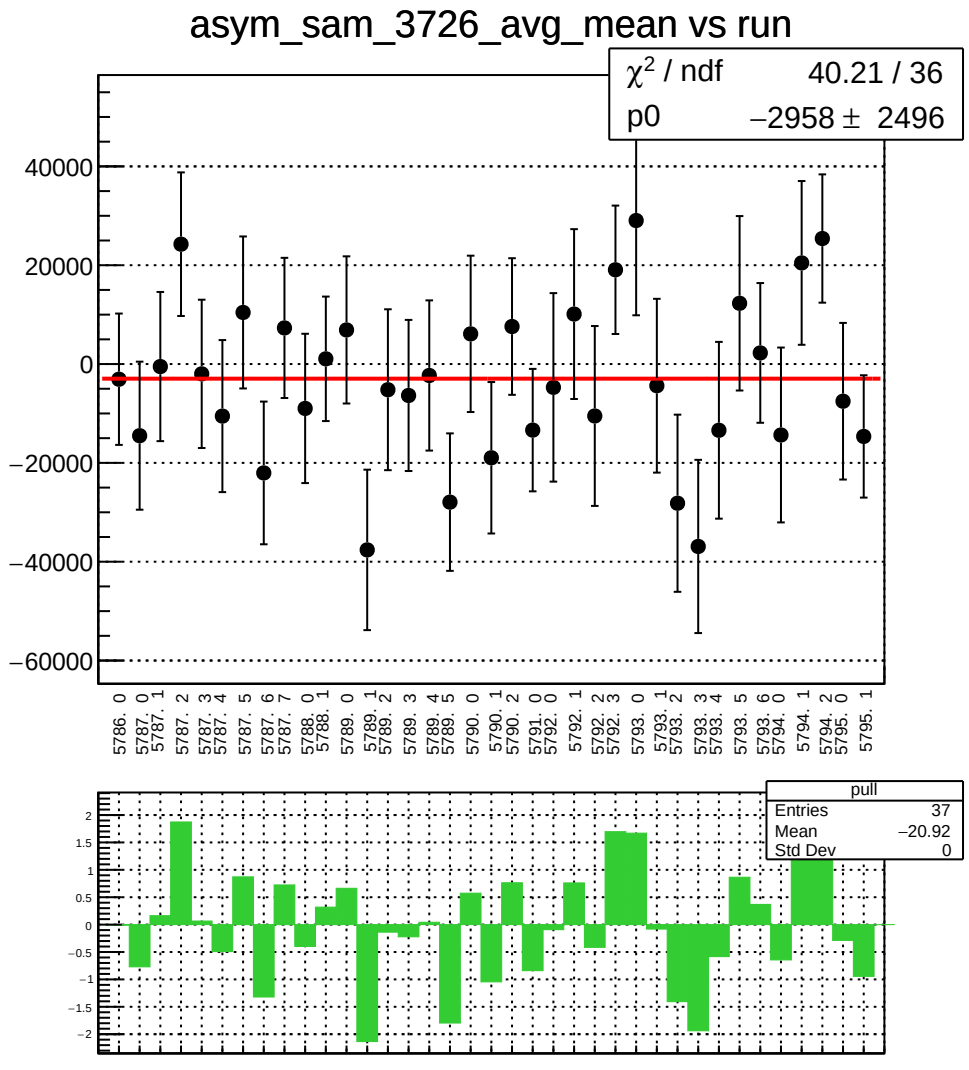

eigen_dit_asym_sam_3726_avg_mean vs run
χ² / ndf 27.93 / 36
p0 107.5 ± 231.3
4000
2000
0
−2000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.175
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.02983
Std Dev 0.8683
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

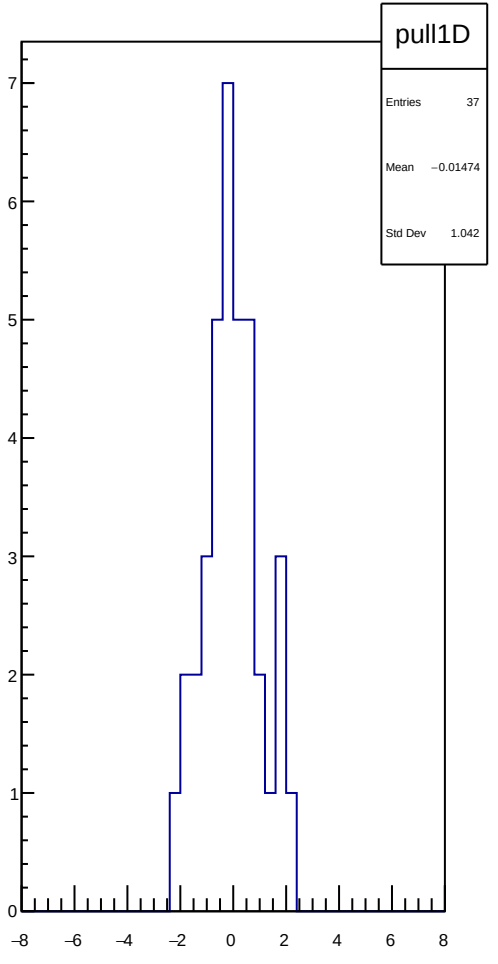

eigen_dit_asym_sam_3726_avg_rms vs run
χ² / ndf 1.375e+04 / 36
p0 140.6 ± 0.1636
300
280
260
240
220
200
180
160
140
120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

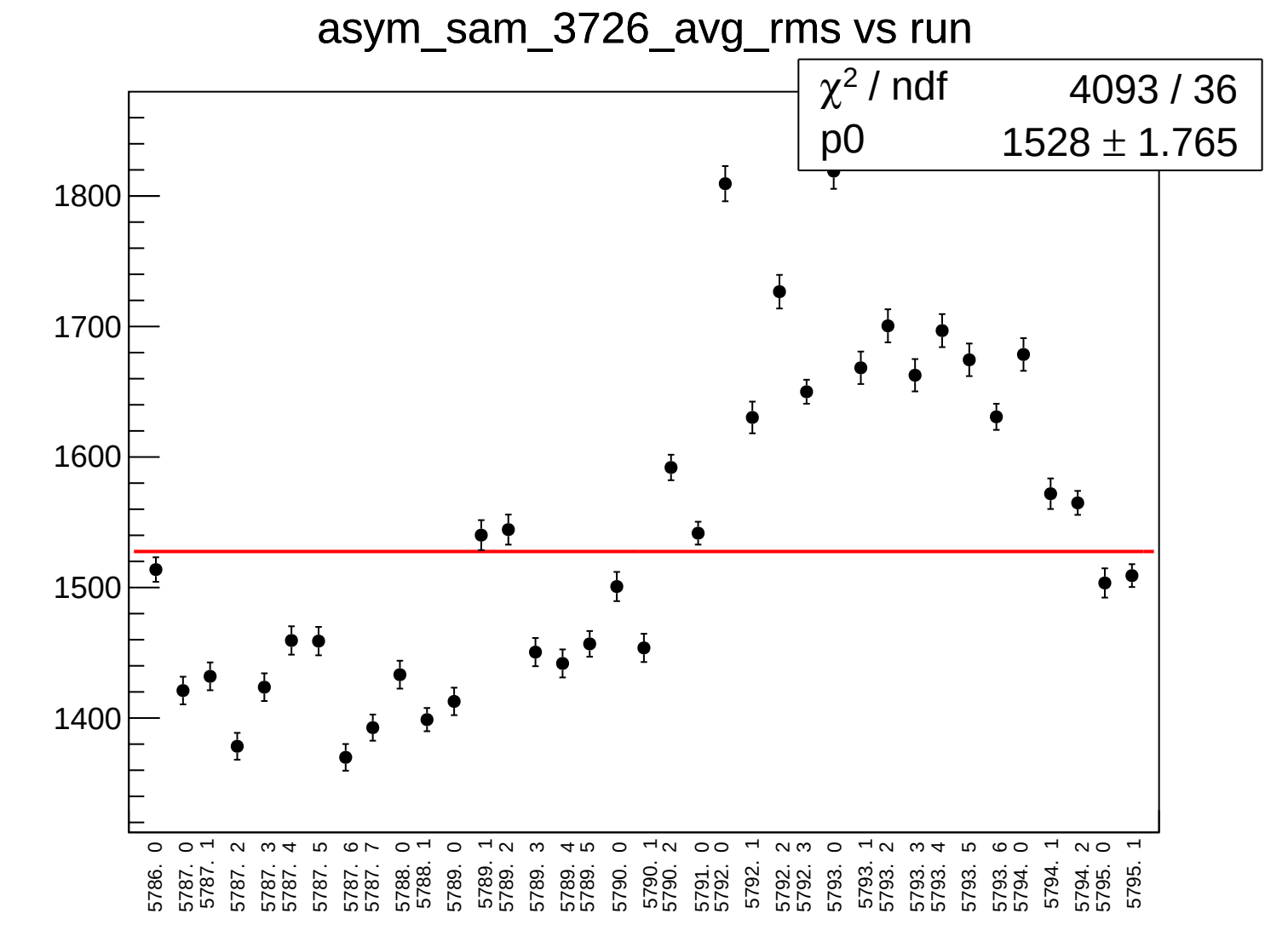

asym_sam_3726_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.06 / 36
p0 3212 ± 2561
60000
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −29.49
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

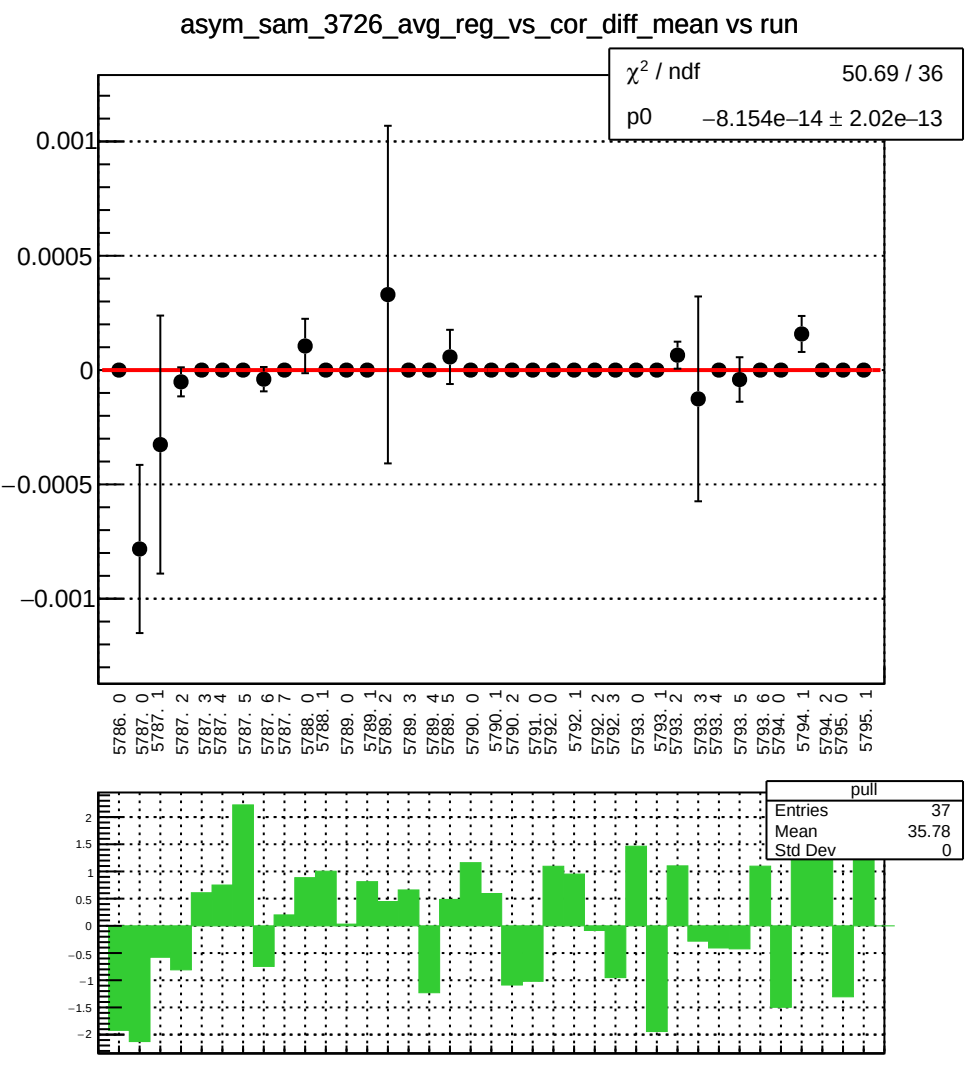

pull1D
Entries 37
Mean 0.01136
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

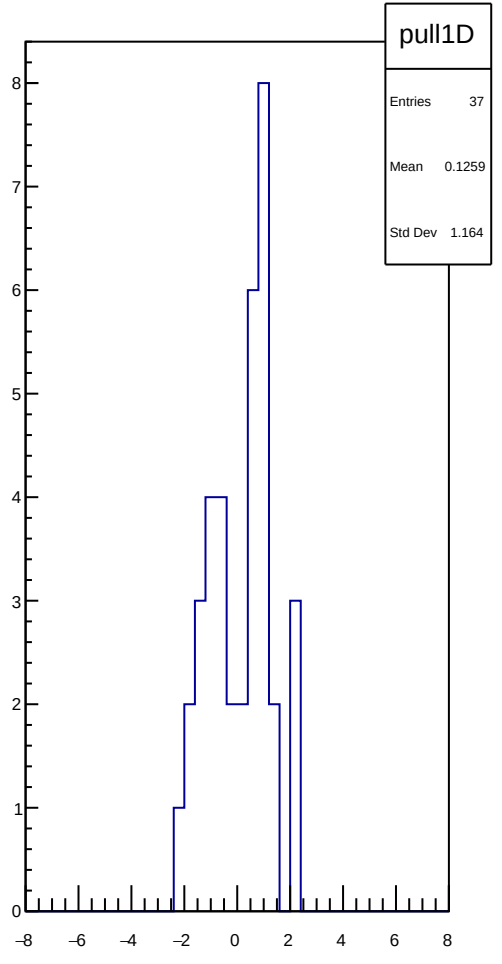

asym_sam_3726_avg_eigen_dit_correction_rms vs run
χ² / ndf 4356 / 36
p0 1567 ± 1.811
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

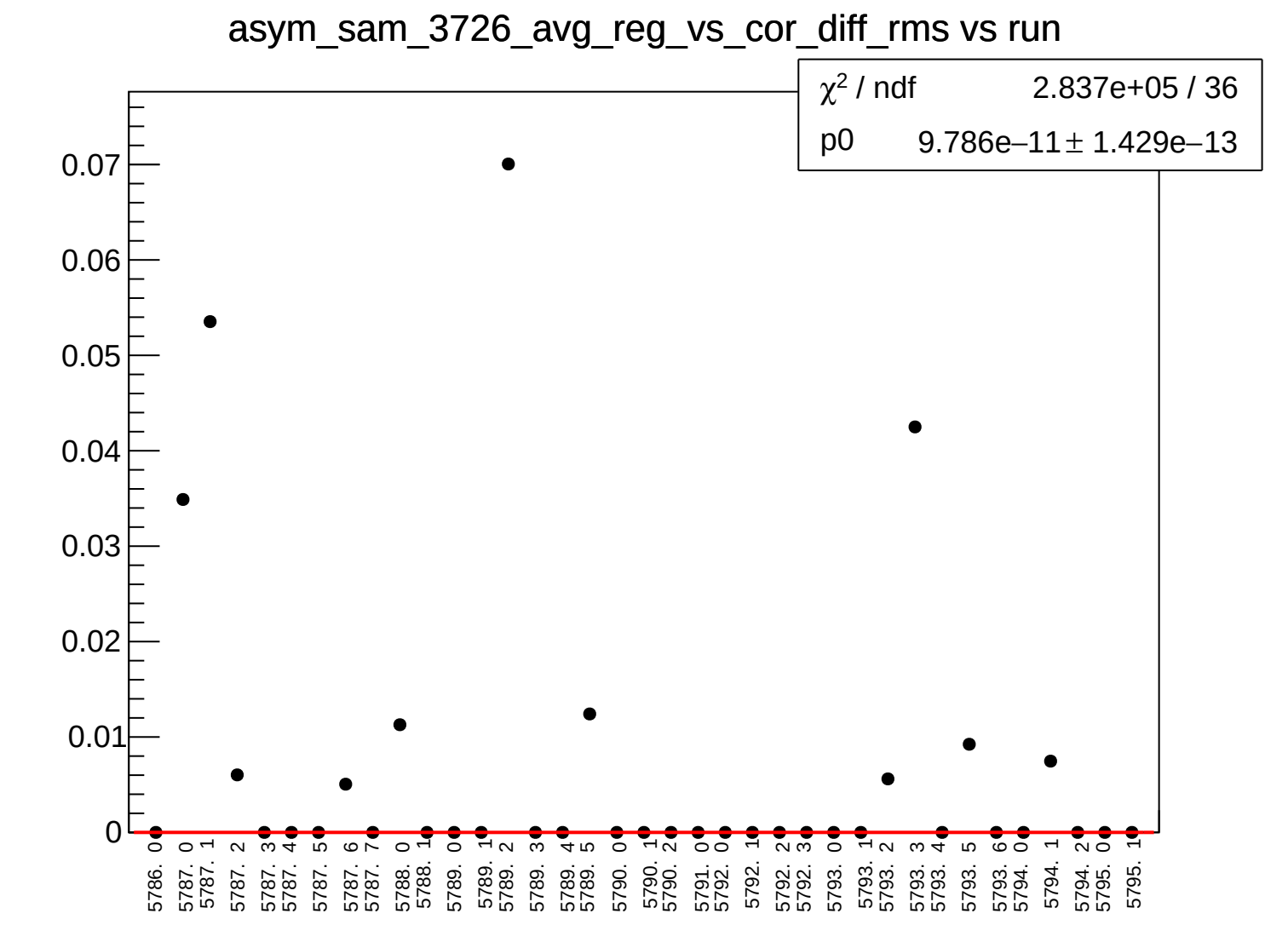

asym_sam_3726_avg_mean vs run
χ² / ndf 40.21 / 36
p0 −2958 ± 2496
40000
20000
0
−20000
−40000
−60000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.92
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean −0.01474
Std Dev 1.042
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_rms vs run
χ² / ndf 4093 / 36
p0 1528 ± 1.765
1800
1700
1600
1500
1400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_3726_avg_reg_vs_cor_diff_mean vs run
χ² / ndf 50.69 / 36
p0 −8.154e−14 ± 2.02e−13
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 35.78
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.1259
Std Dev 1.164
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_3726_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 2.837e+05 / 36
p0 9.786e−11 ± 1.429e−13
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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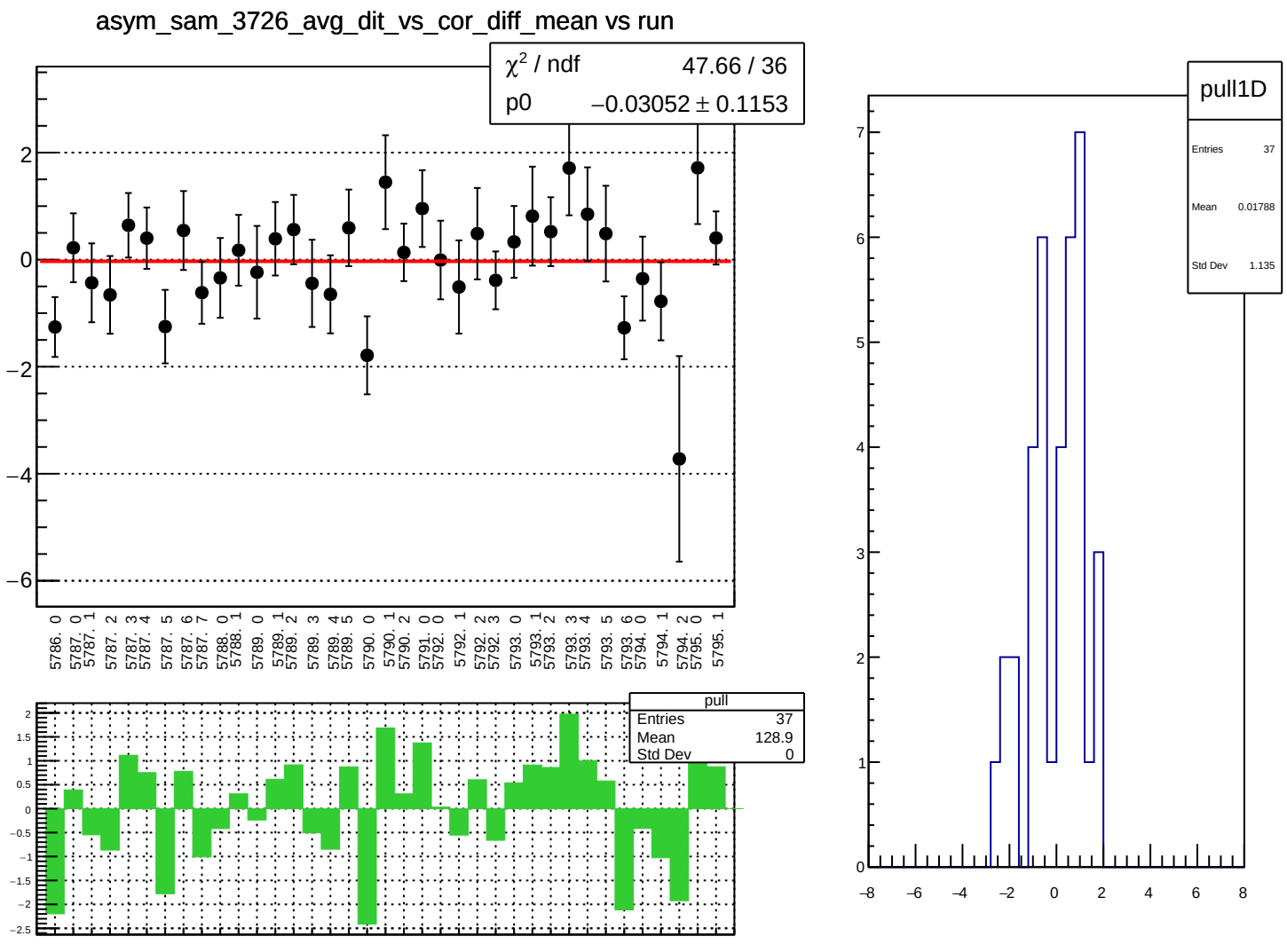
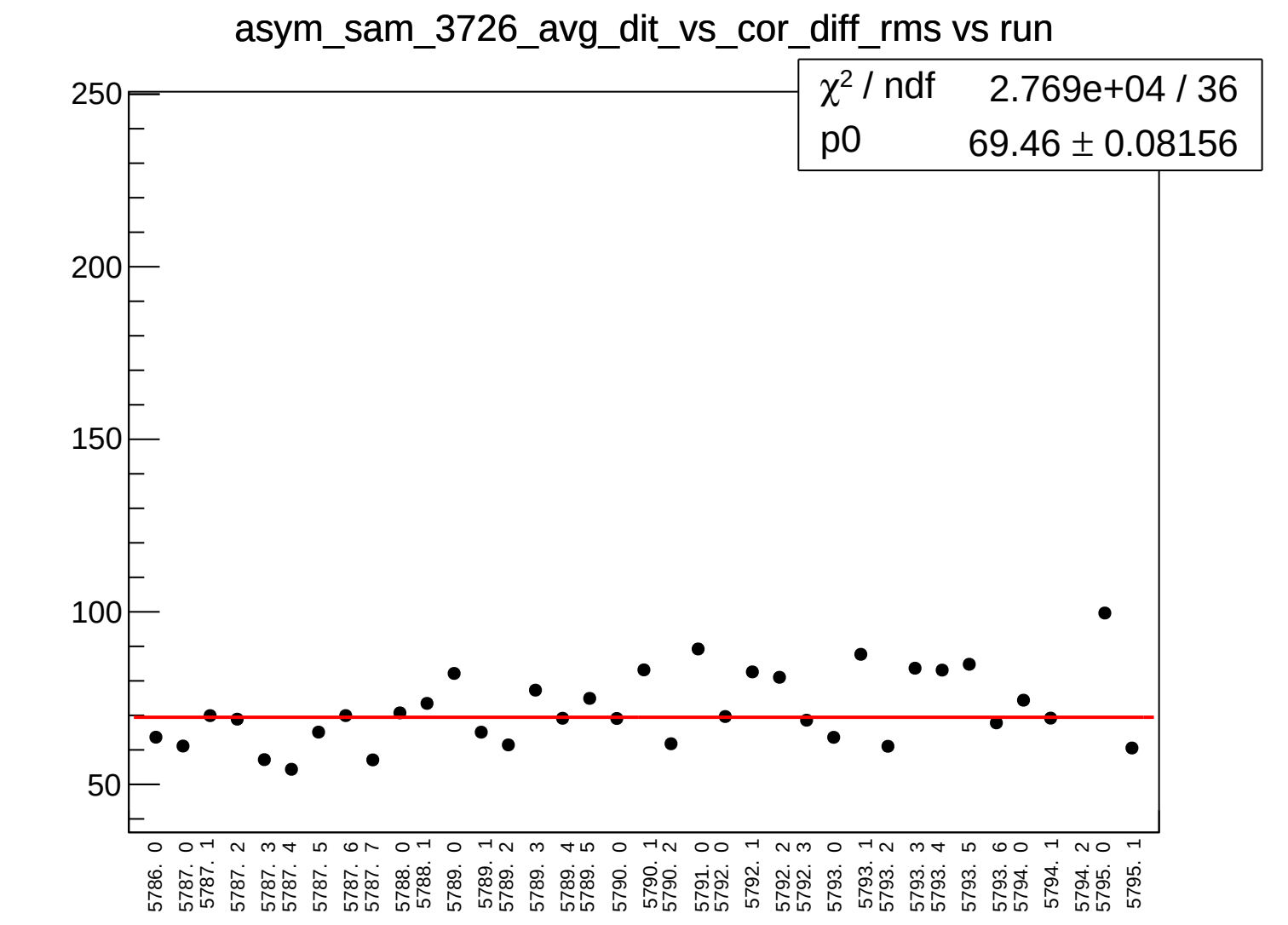
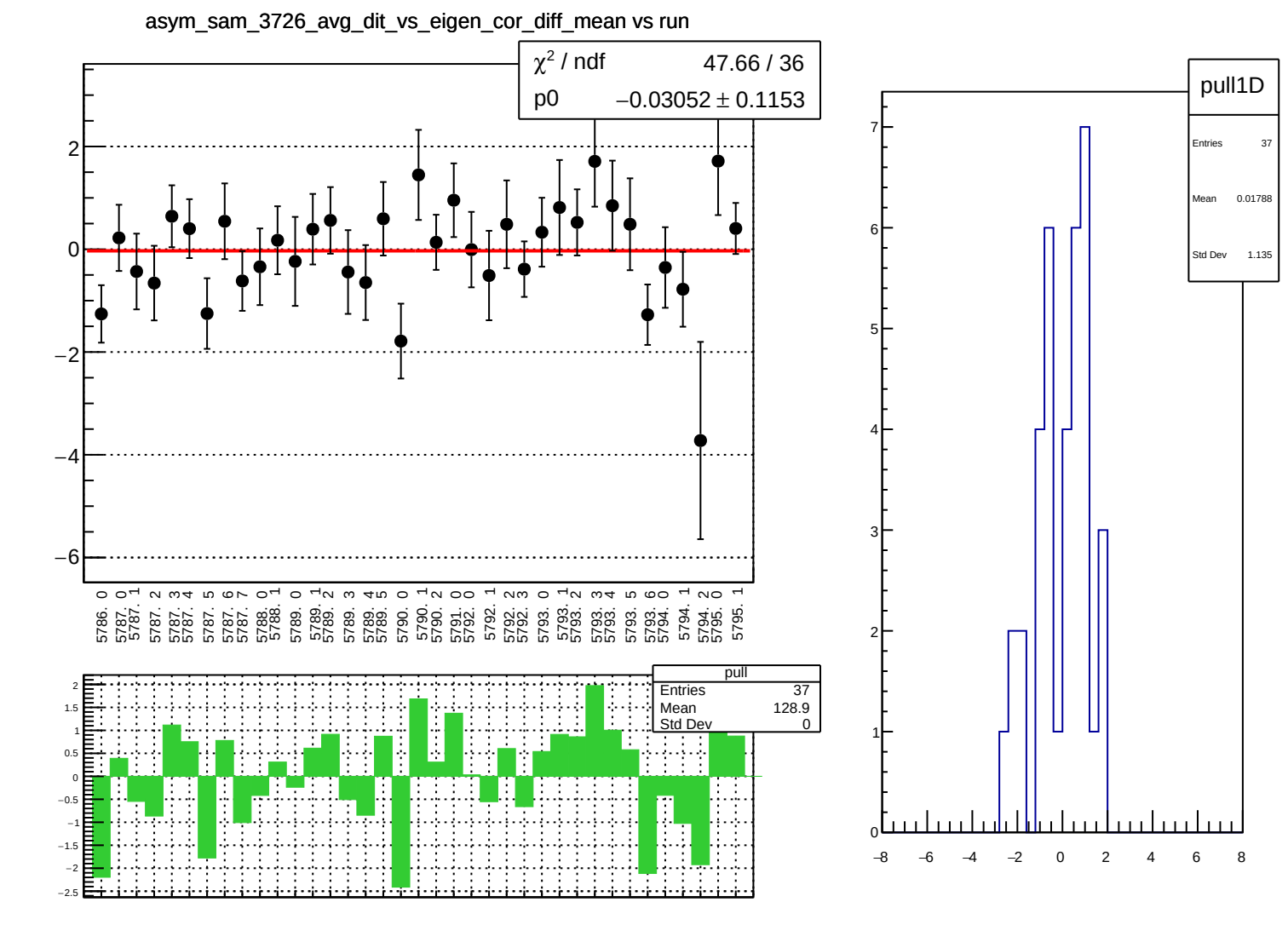
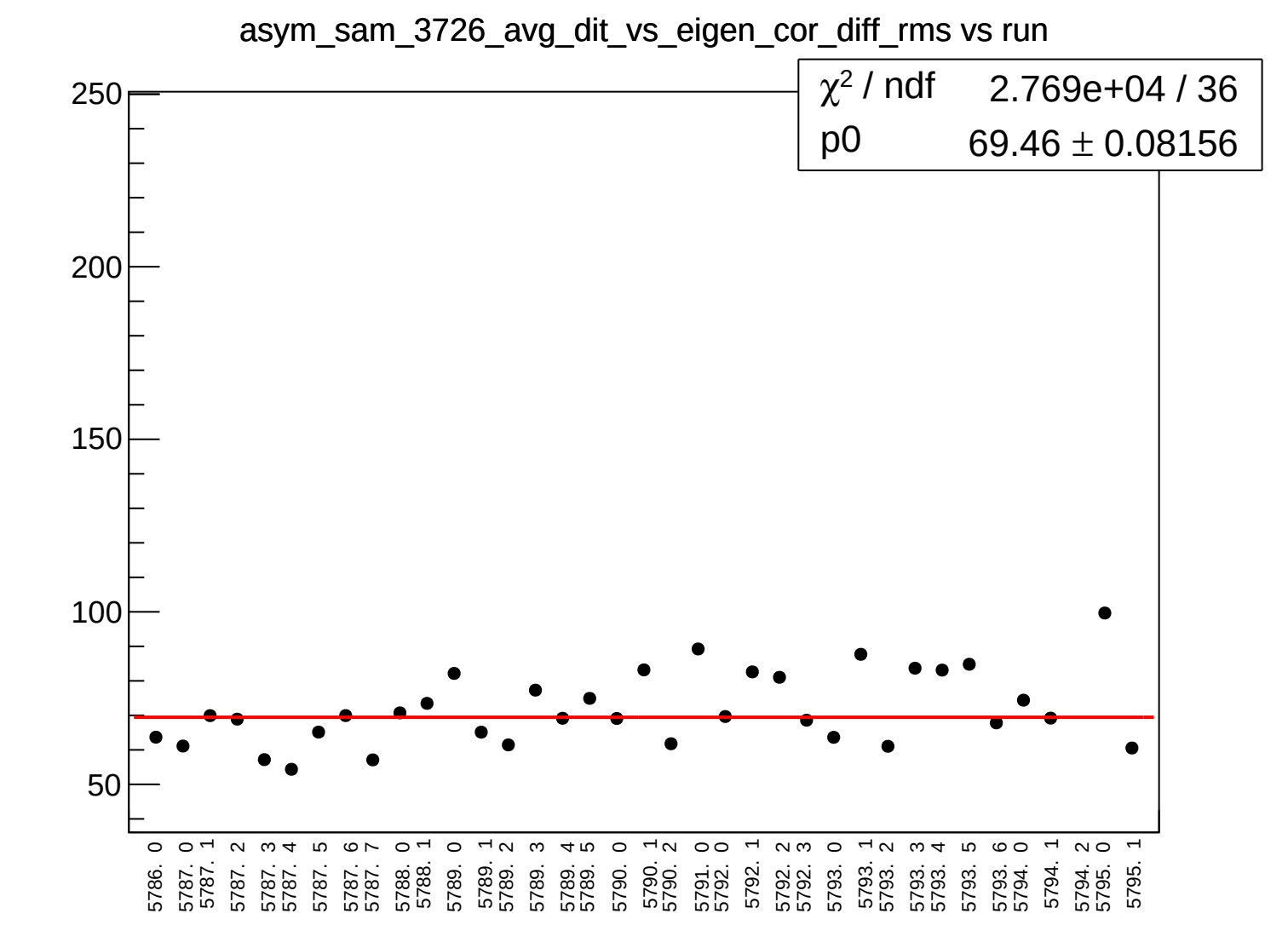
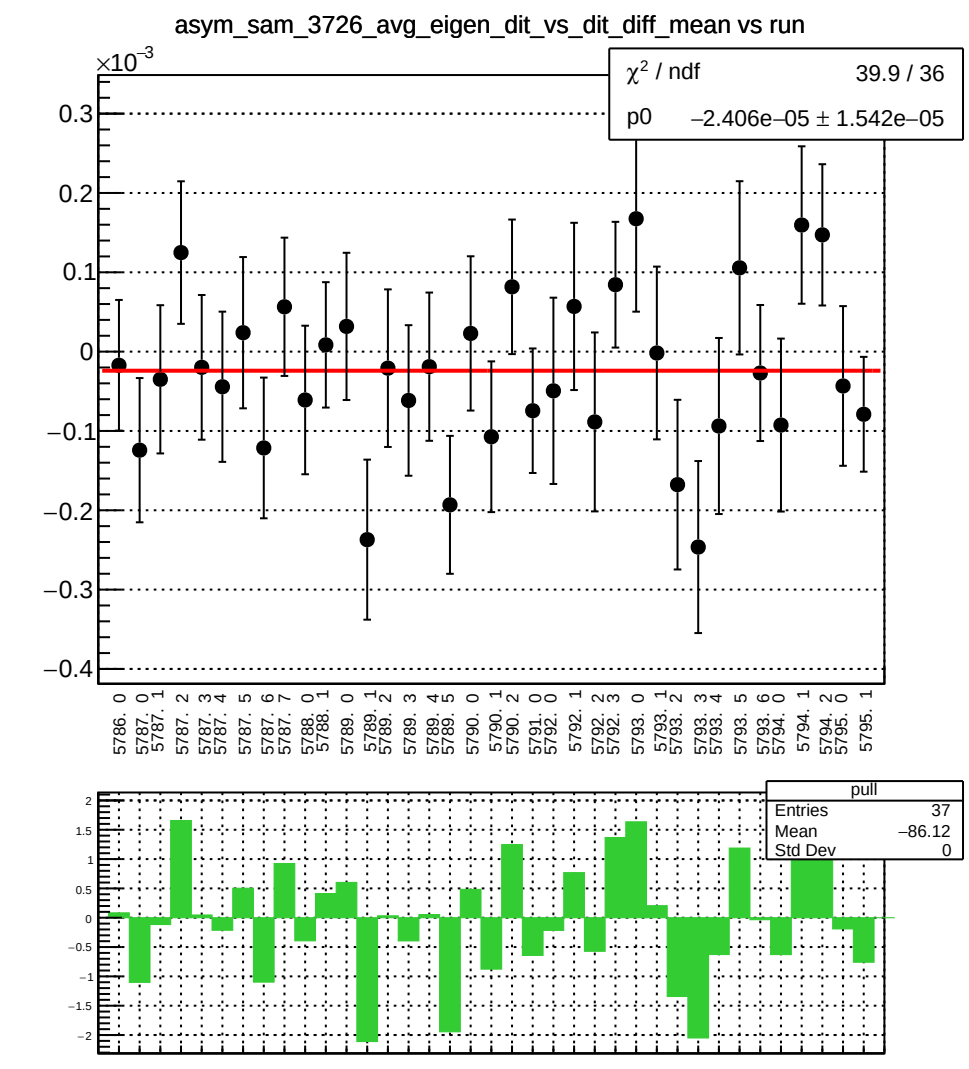
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

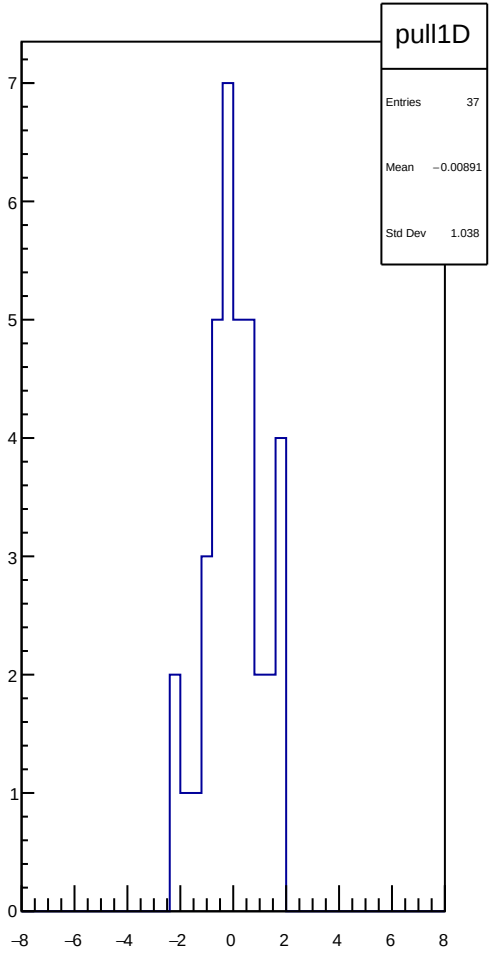

asym_sam_3726_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 47.66 / 36
p0 −0.03052 ± 0.1153
pull
Entries 37
Mean 128.9
Std Dev 0
pull1D
Entries 37
Mean 0.01788
Std Dev 1.135

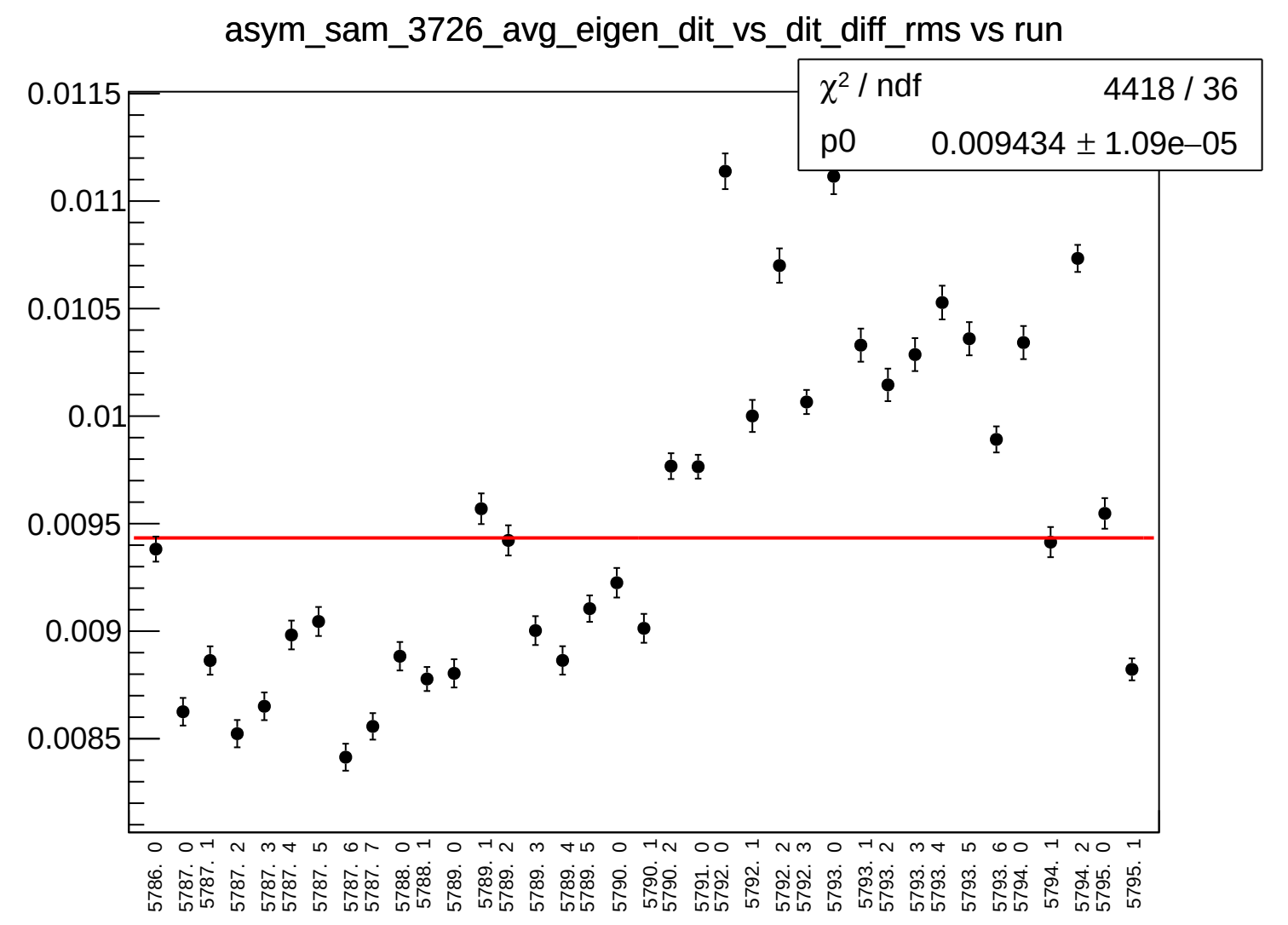

asym_sam_3726_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 2.769e+04 / 36
p0 69.46 ± 0.08156
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

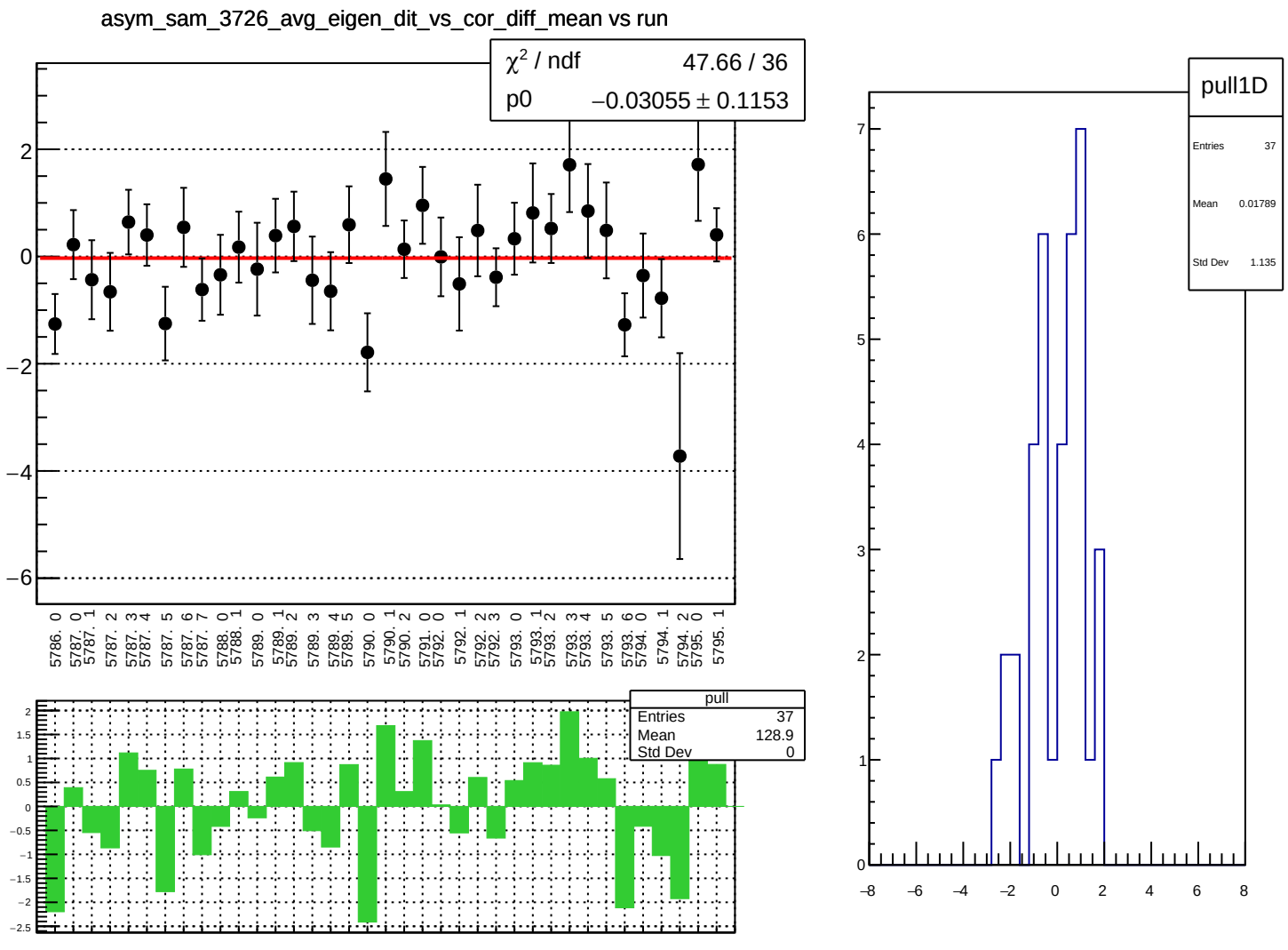

asym_sam_3726_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.66 / 36
p0 −0.03052 ± 0.1153
pull
Entries 37
Mean 128.9
Std Dev 0
pull1D
Entries 37
Mean 0.01788
Std Dev 1.135

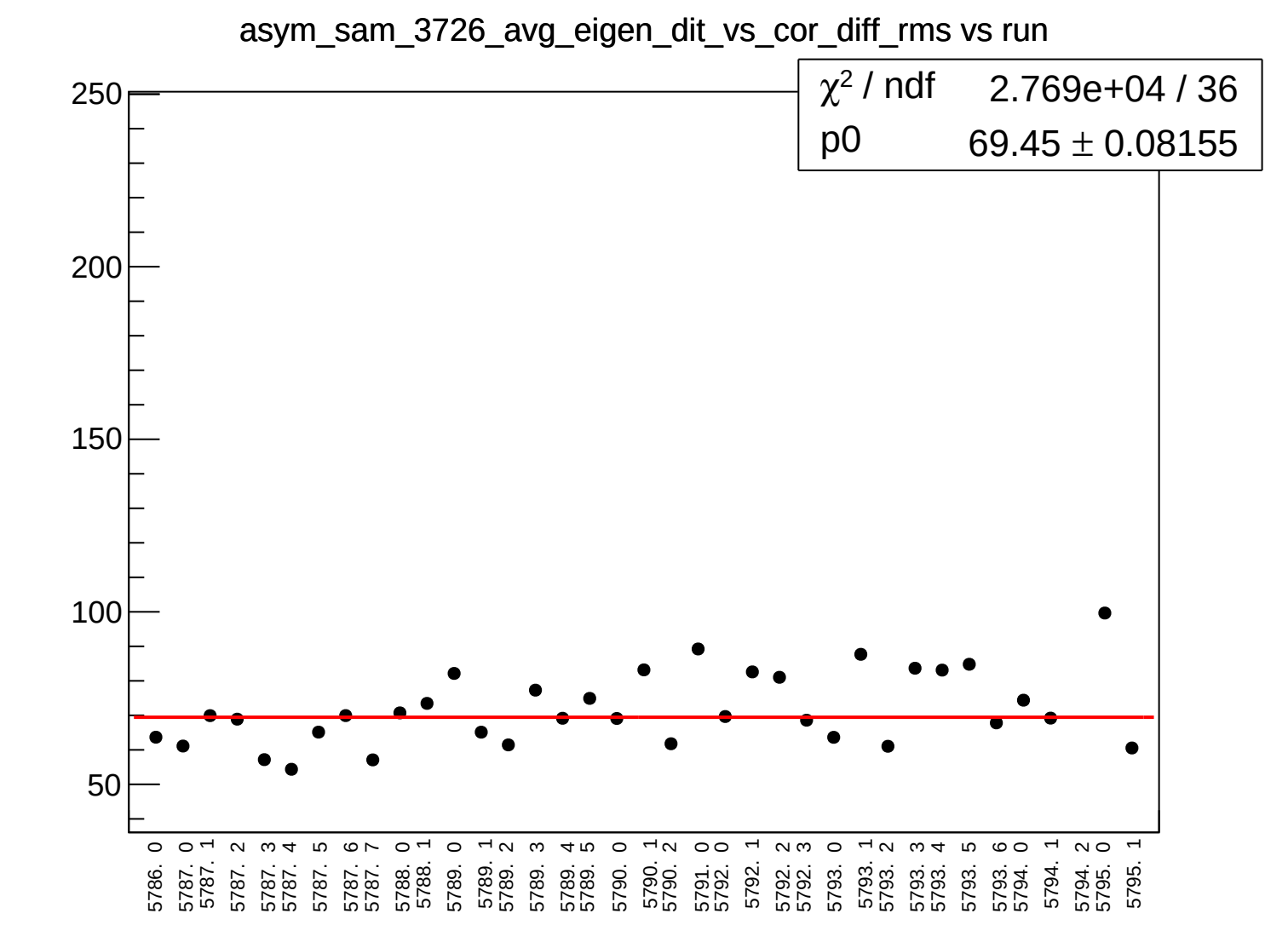

asym_sam_3726_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.769e+04 / 36
p0 69.46 ± 0.08156
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

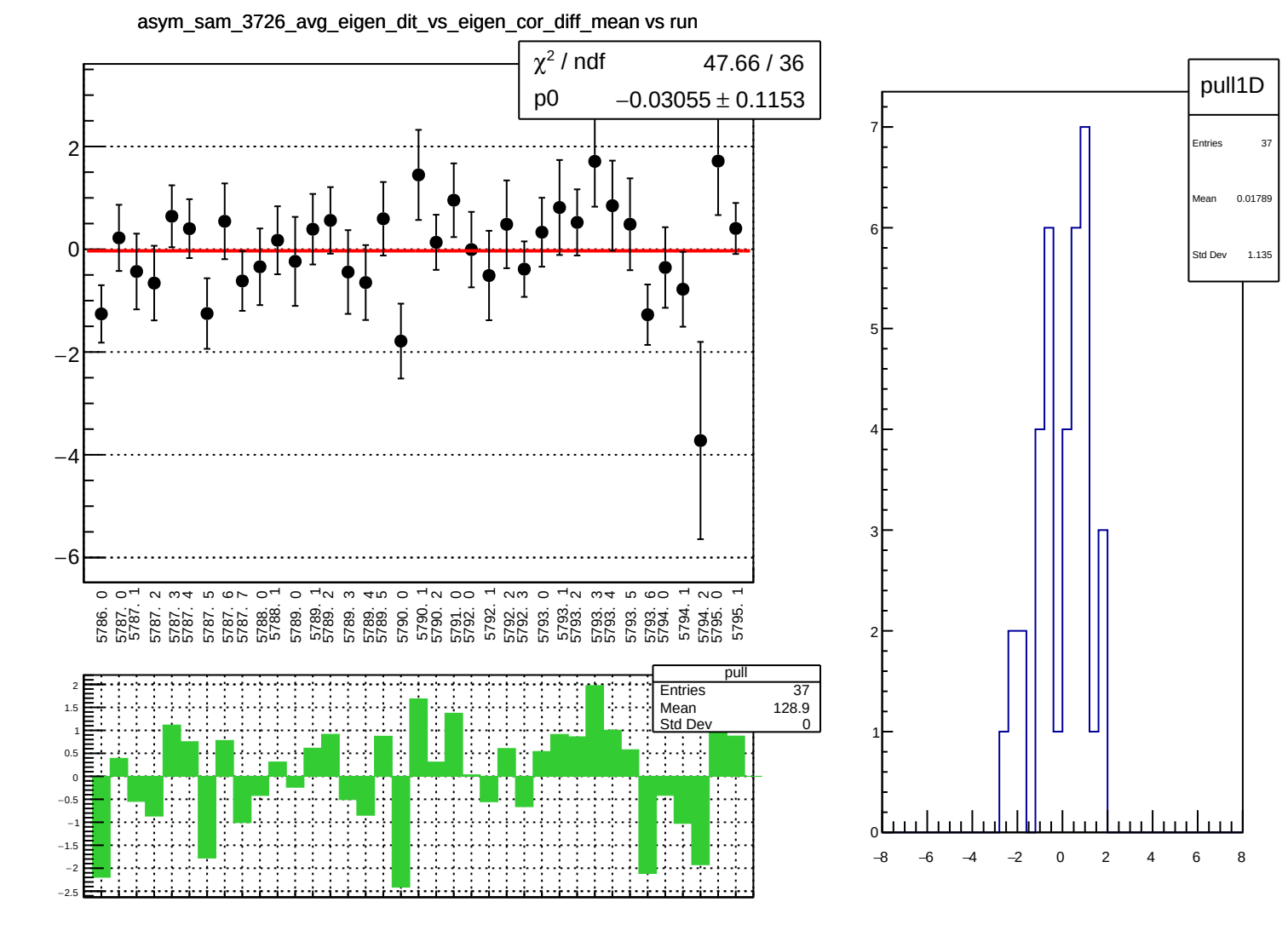

asym_sam_3726_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.9 / 36
p0 −2.406e−05 ± 1.542e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −86.12
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

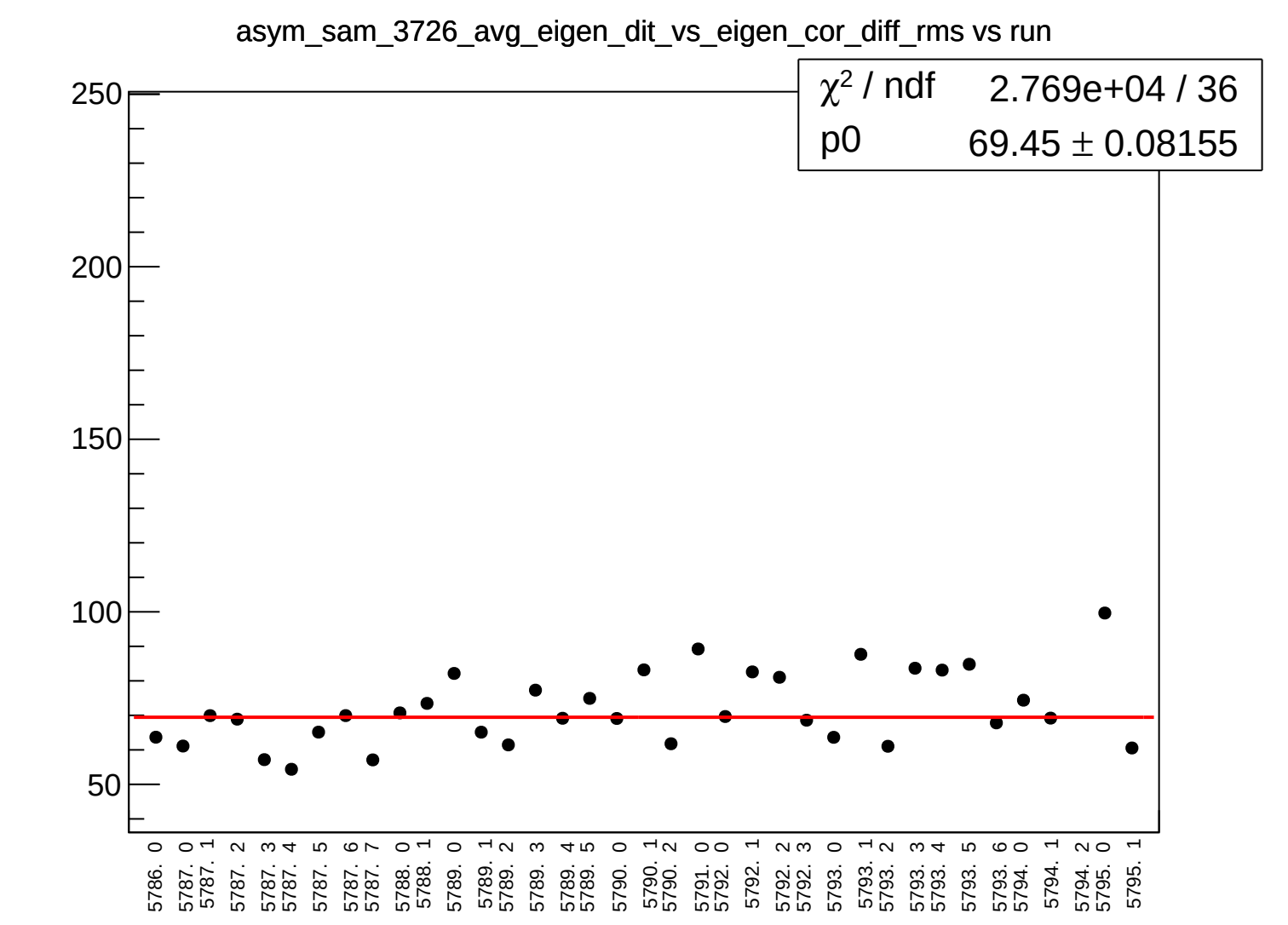

pull1D
Entries 37
Mean −0.00891
Std Dev 1.038
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

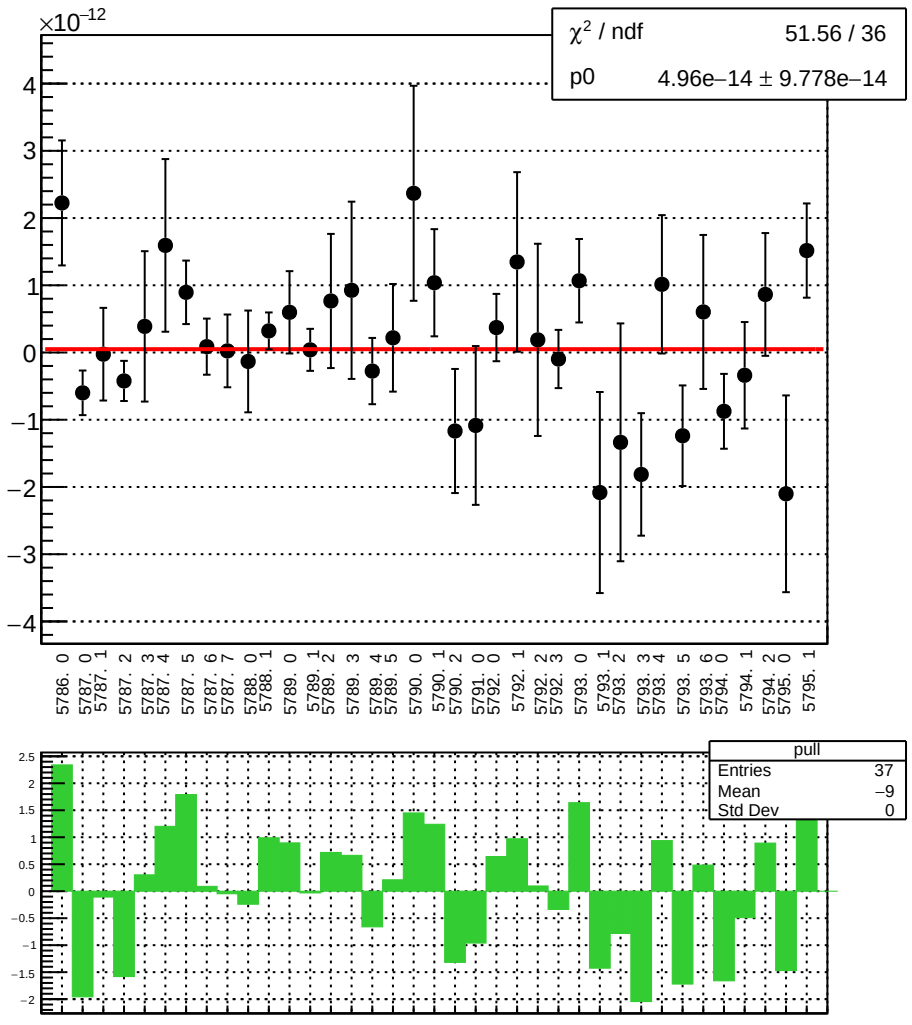

asym_sam_3726_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4418 / 36
p0 0.009434 ± 1.09e−05
0.0115
0.011
0.0105
0.01
0.0095
0.009
0.0085
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

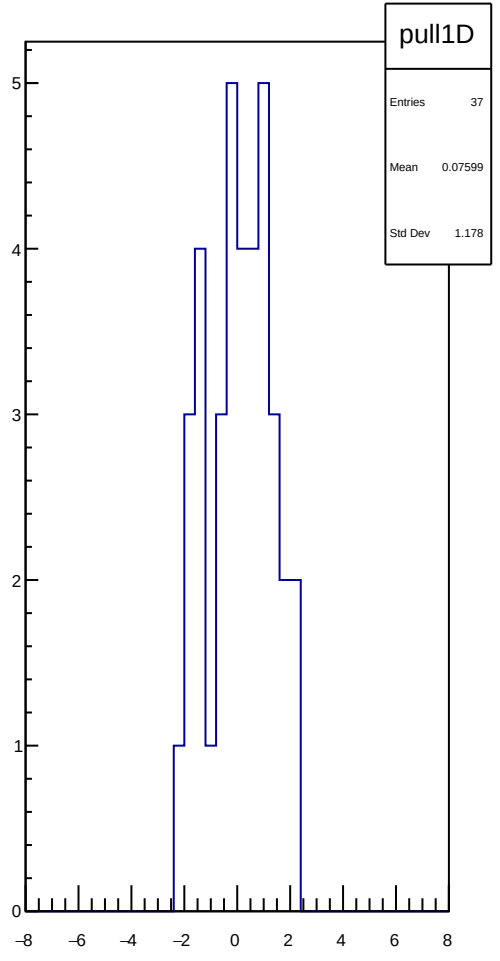

asym_sam_3726_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.66 / 36
p0 −0.03055 ± 0.1153
pull
Entries 37
Mean 128.9
Std Dev 0
pull1D
Entries 37
Mean 0.01789
Std Dev 1.135

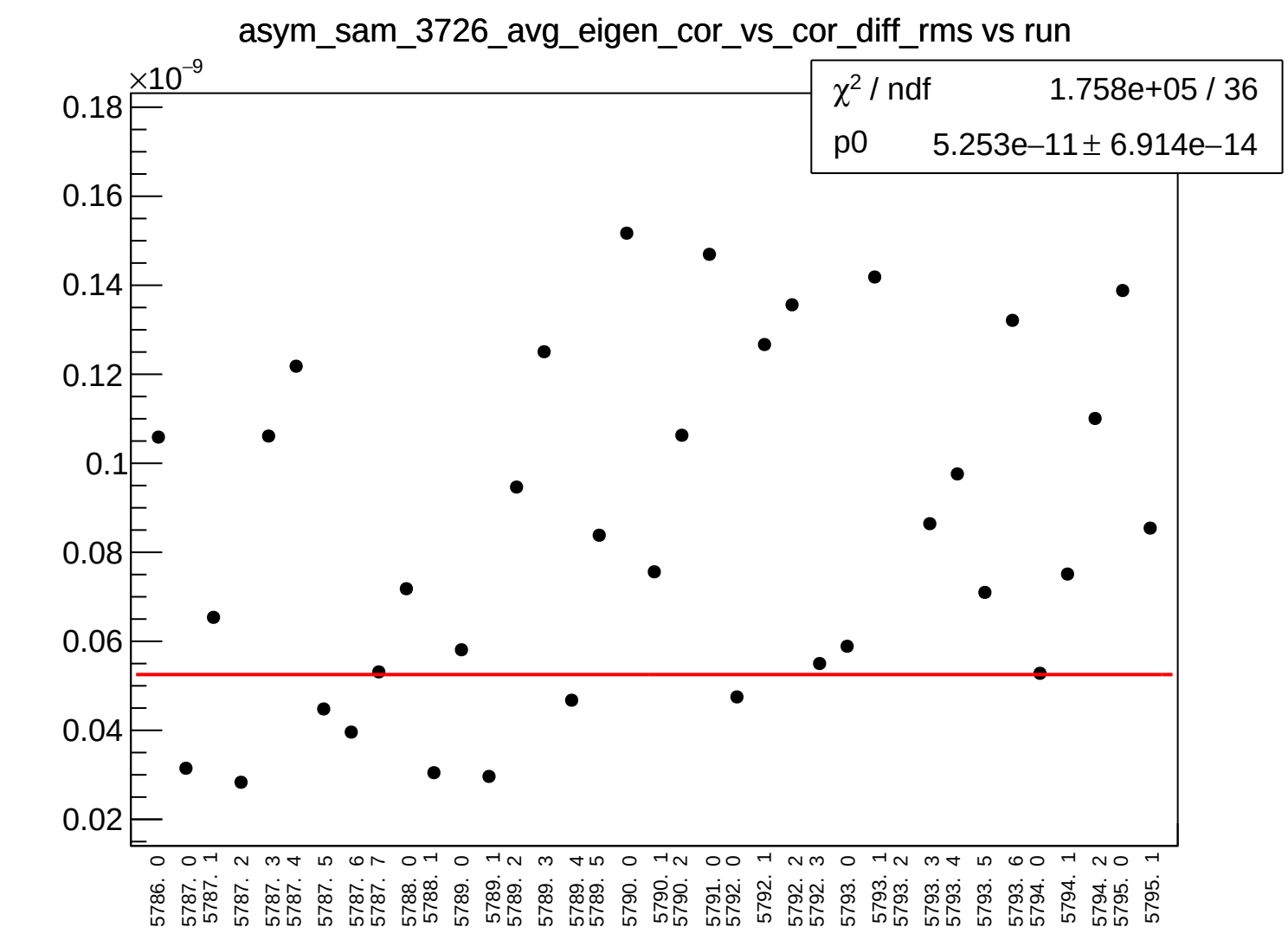

asym_sam_3726_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 2.769e+04 / 36
p0 69.45 ± 0.08155
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

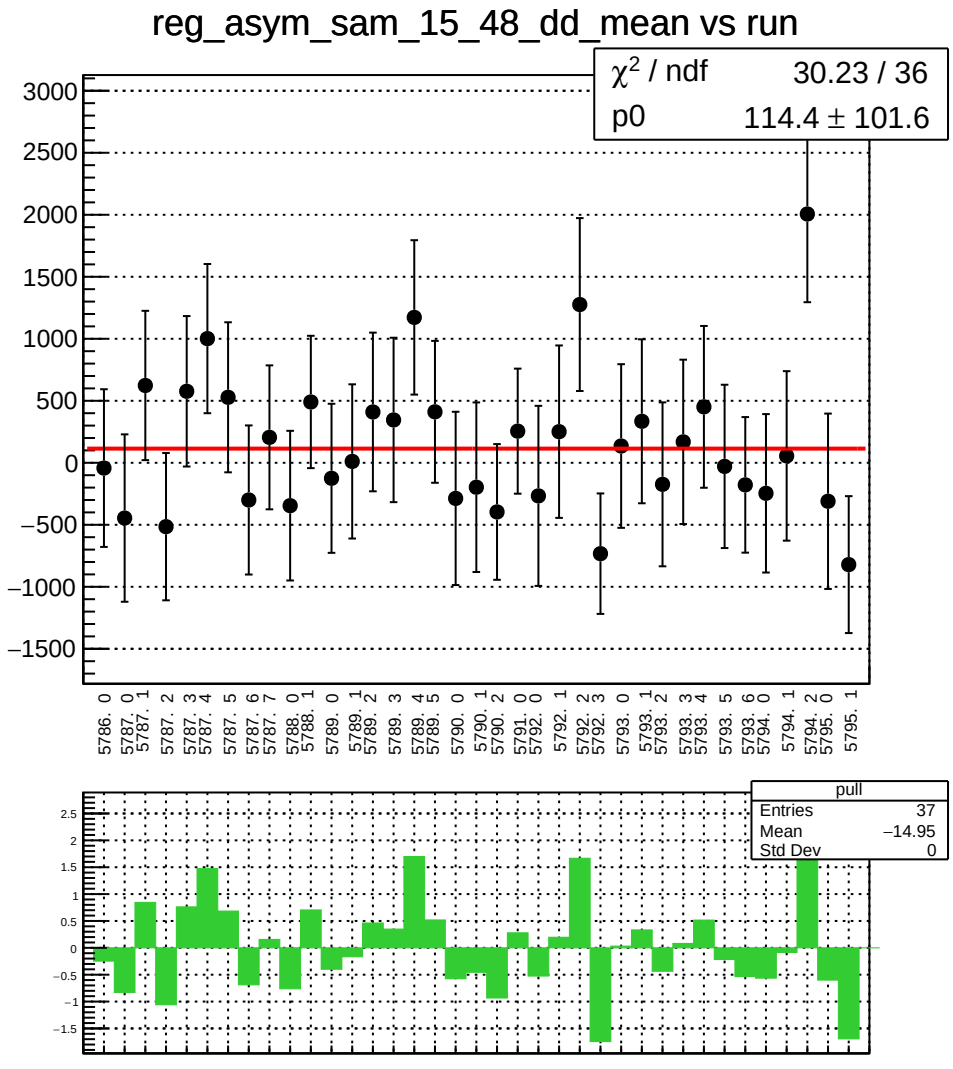

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.66 / 36
p0 −0.03055 ± 0.1153
pull
Entries 37
Mean 128.9
Std Dev 0
pull1D
Entries 37
Mean 0.01789
Std Dev 1.135

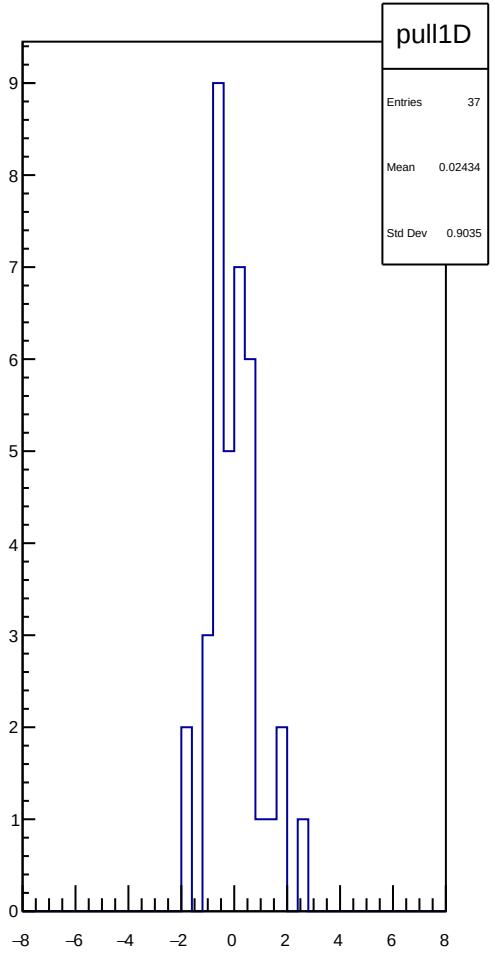

asym_sam_3726_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 2.769e+04 / 36
p0 69.45 ± 0.08155
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

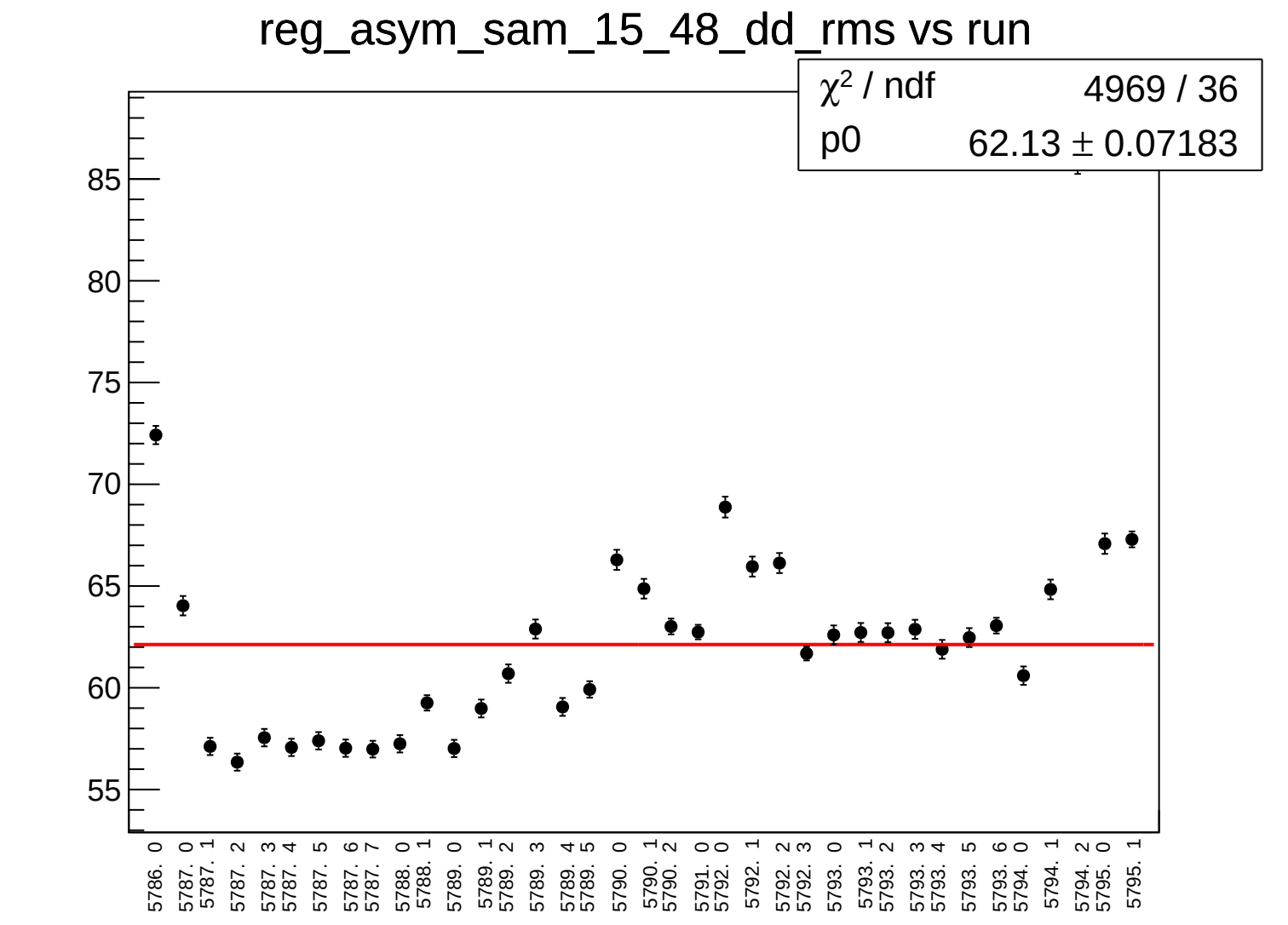

asym_sam_3726_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.56 / 36
p0 4.96e−14 ± 9.778e−14
pull
Entries 37
Mean −9
Std Dev 0

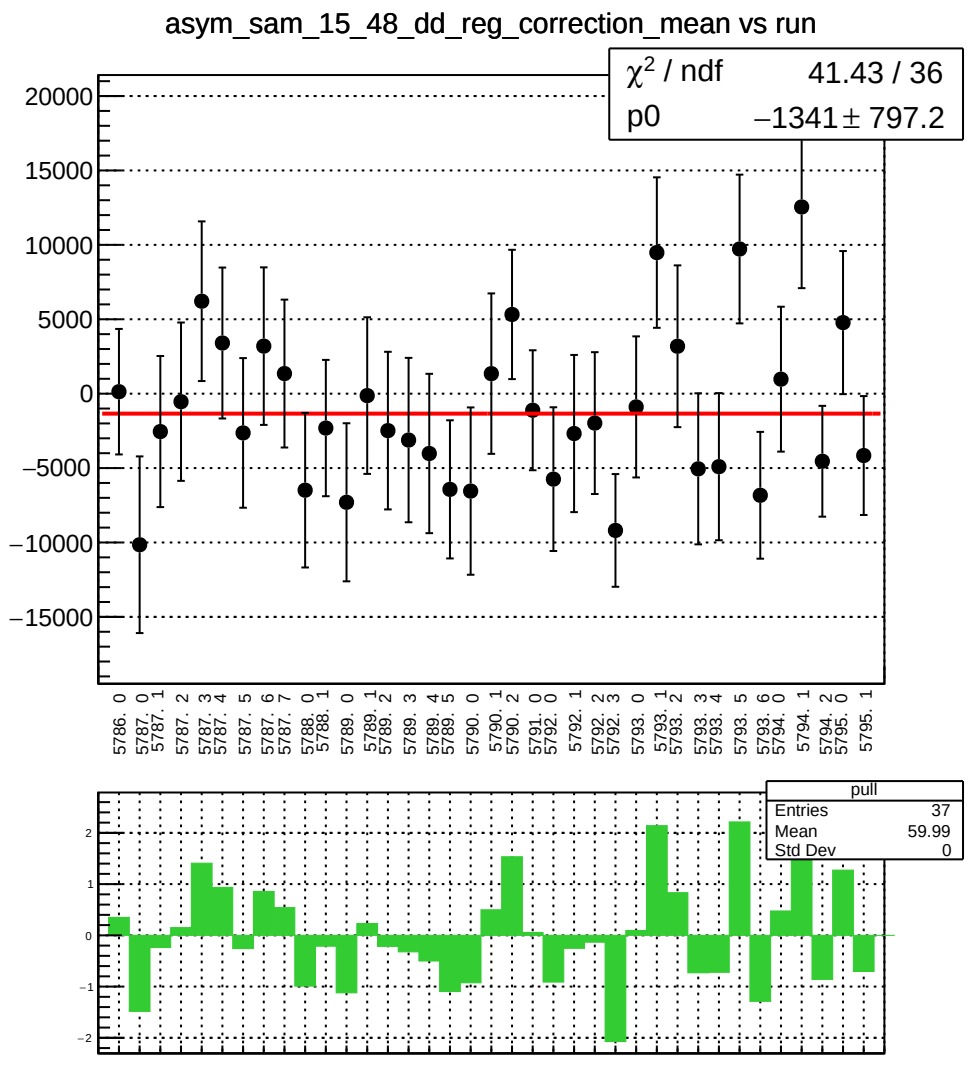

pull1D
Entries 37
Mean 0.07599
Std Dev 1.178

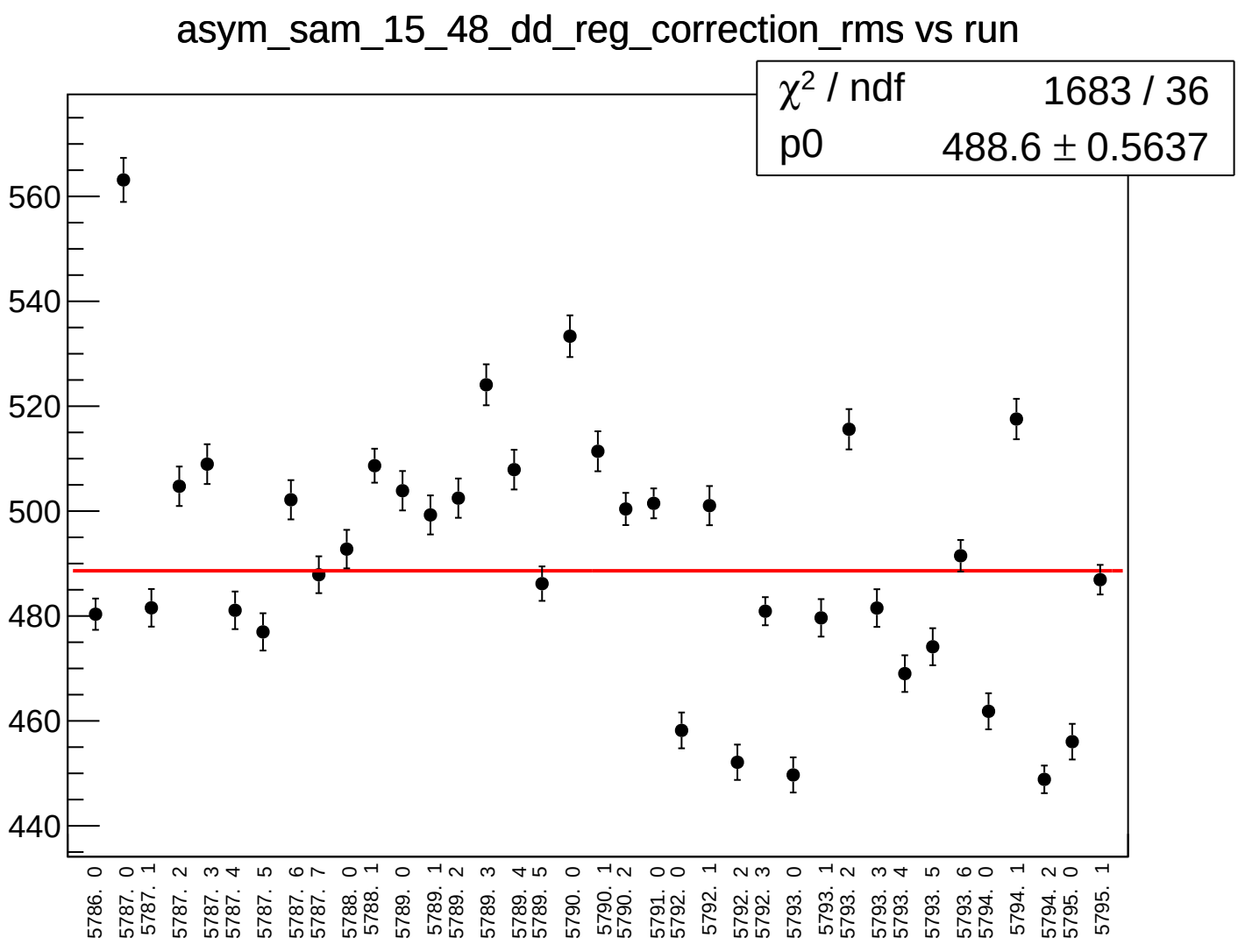

asym_sam_3726_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.758e+05 / 36
p0 5.253e−11 ± 6.914e−14
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

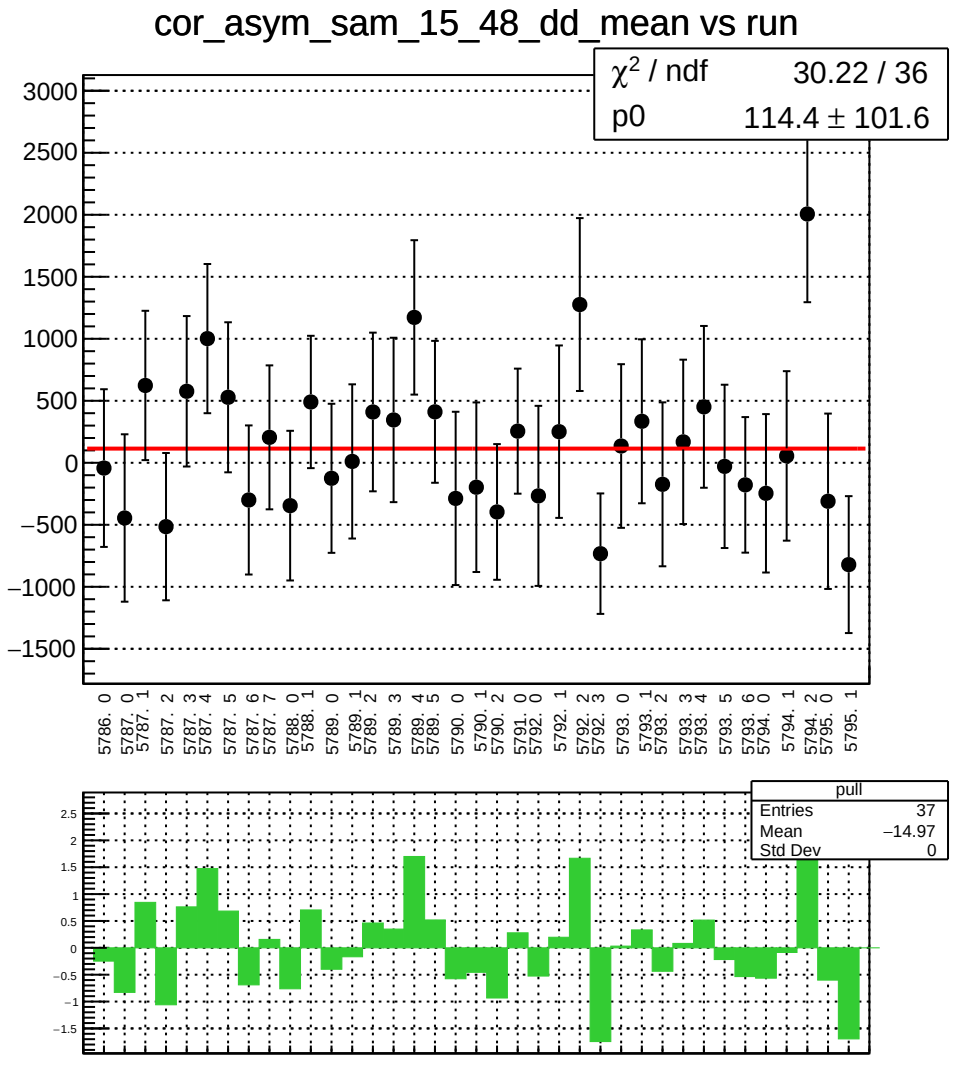

reg_asym_sam_15_48_dd_mean vs run
χ² / ndf 30.23 / 36
p0 114.4 ± 101.6
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.95
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

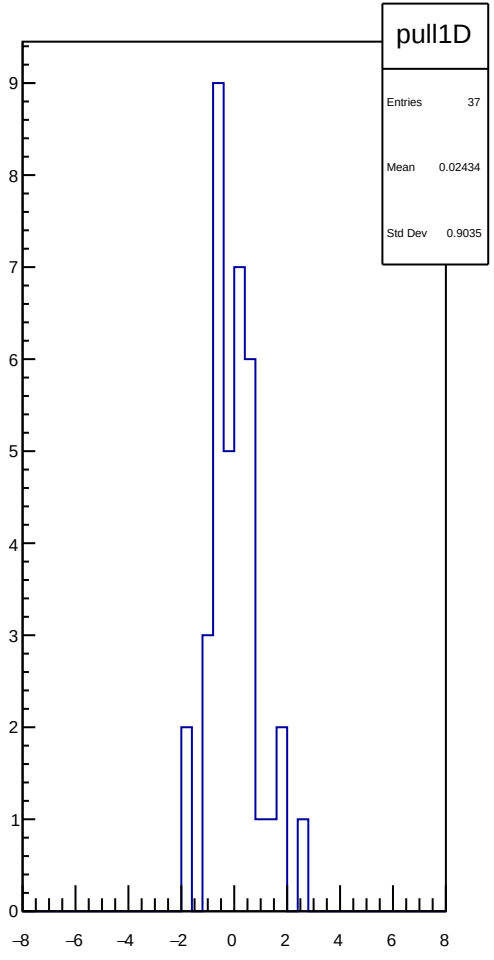

pull1D
Entries 37
Mean 0.02434
Std Dev 0.9035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

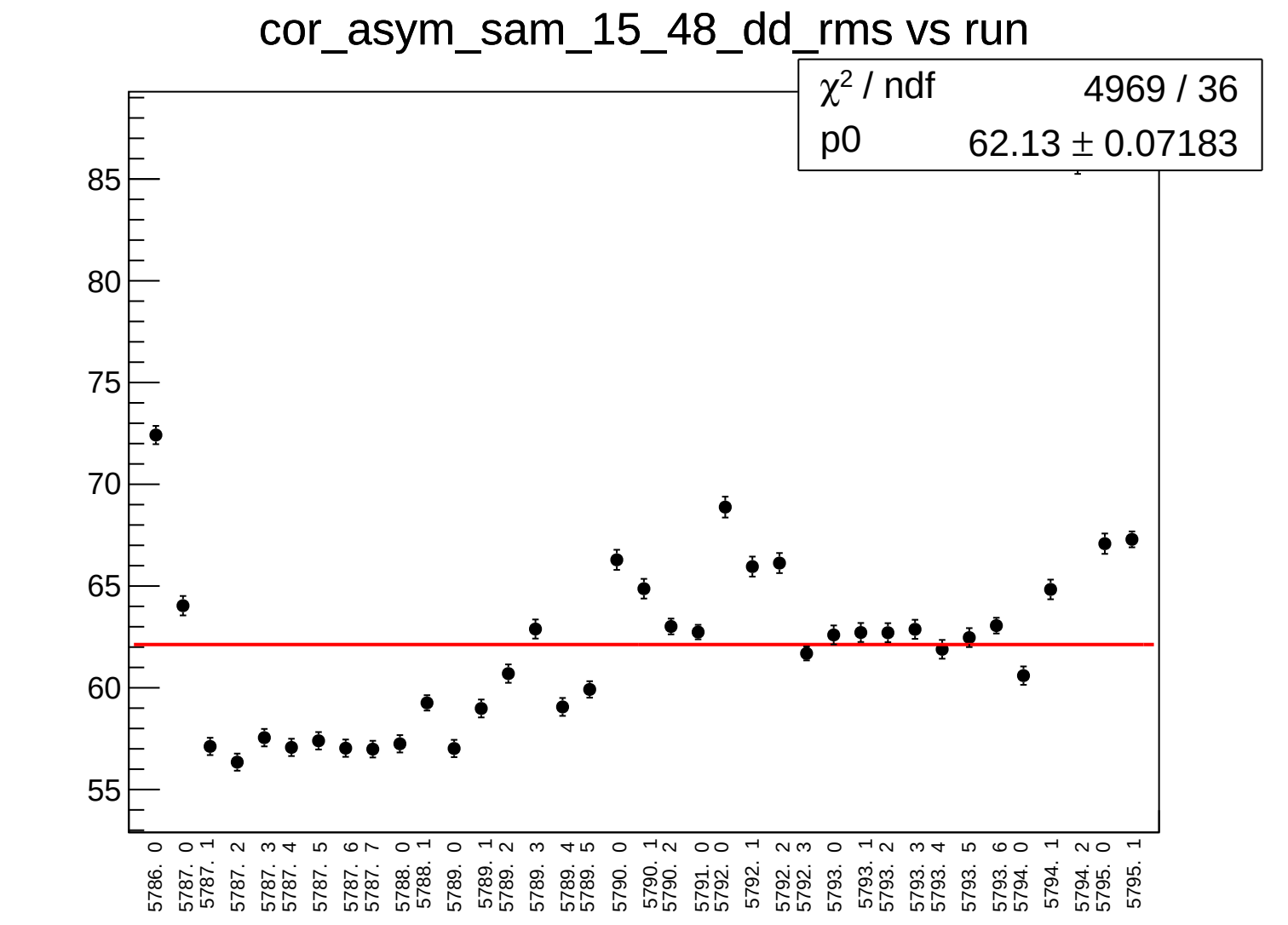

reg_asym_sam_15_48_dd_rms vs run
χ² / ndf 4969 / 36
p0 62.13 ± 0.07183
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

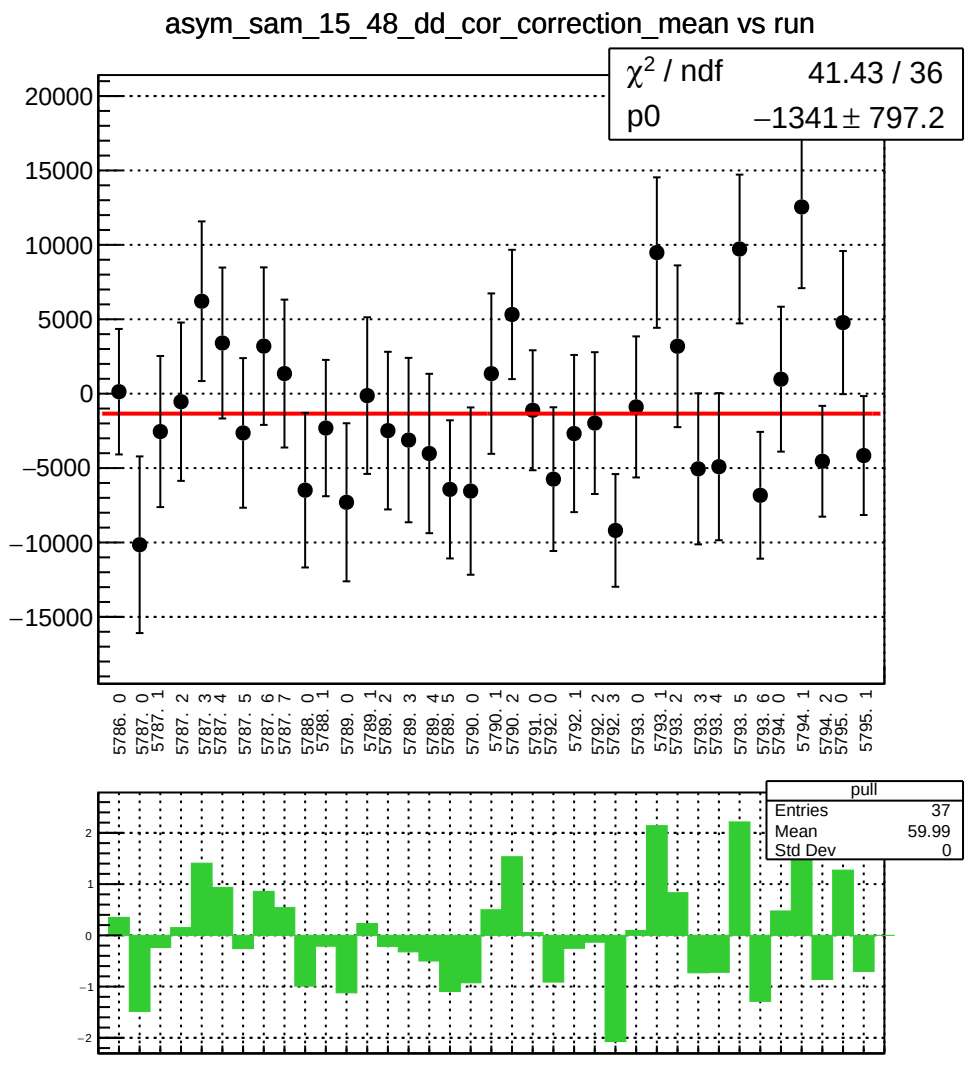

asym_sam_15_48_dd_reg_correction_mean vs run
χ² / ndf 41.43 / 36
p0 −1341 ± 797.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.99
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02971
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

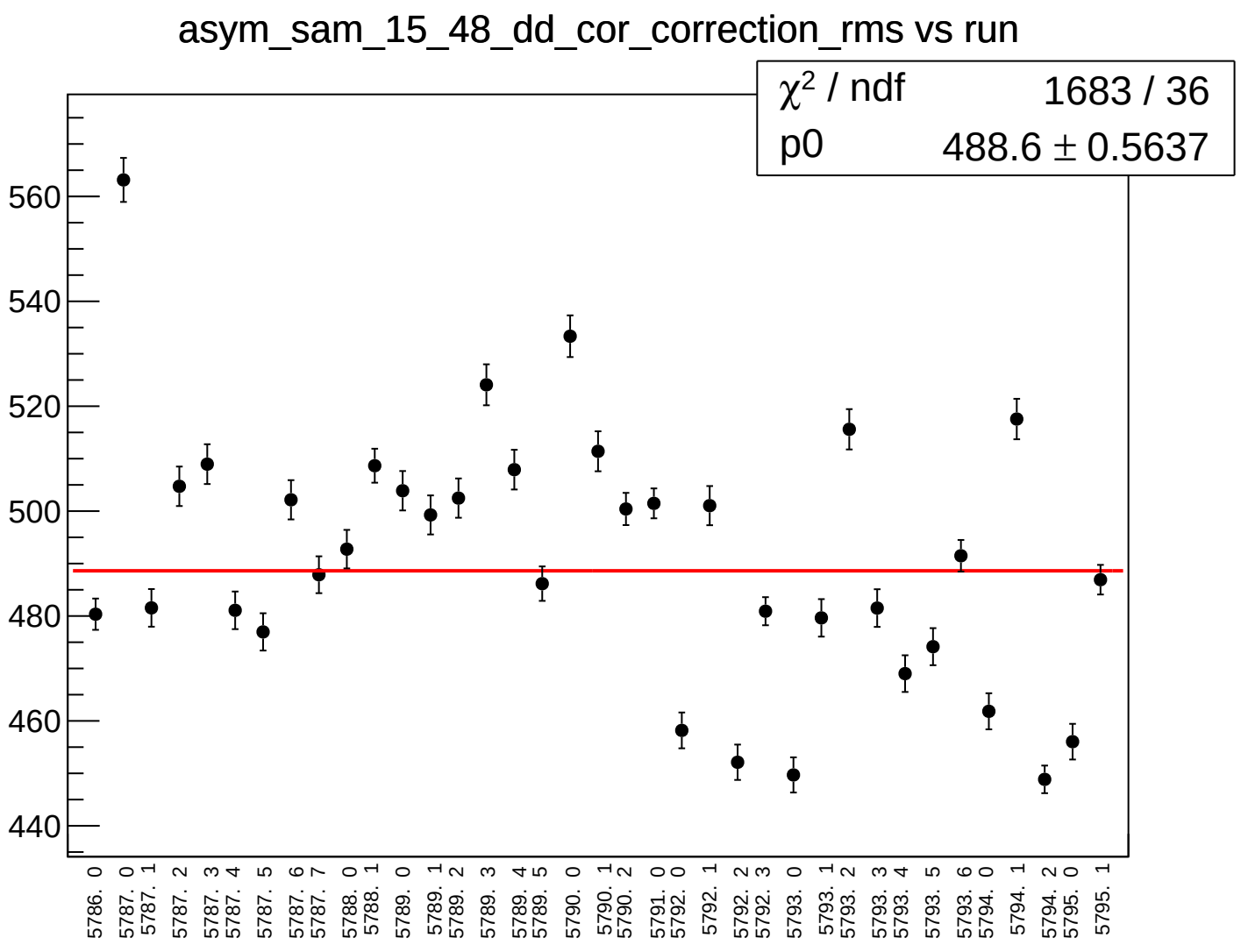

asym_sam_15_48_dd_reg_correction_rms vs run
χ² / ndf 1683 / 36
p0 488.6 ± 0.5637
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

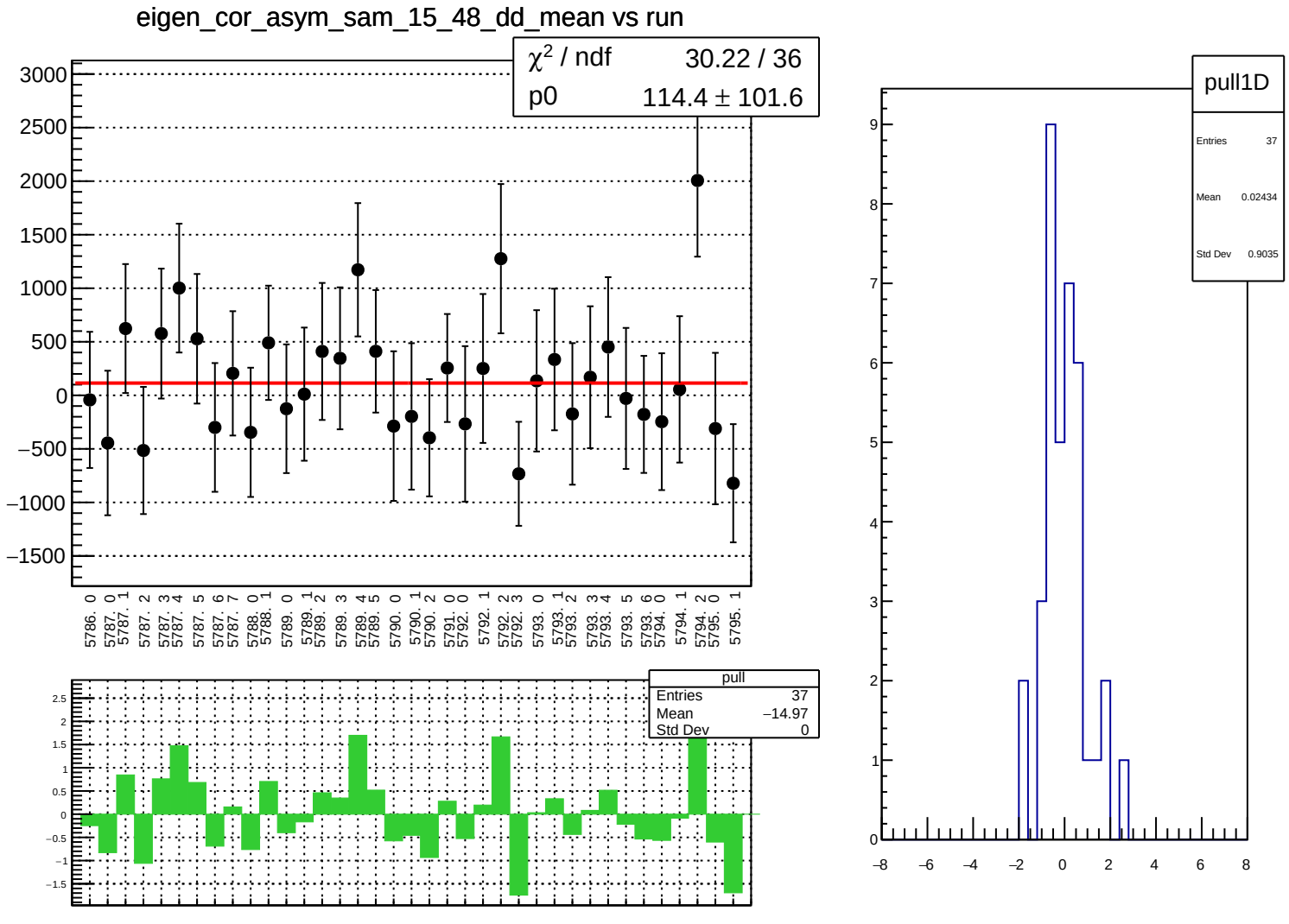

cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 30.22 / 36
p0 114.4 ± 101.6
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

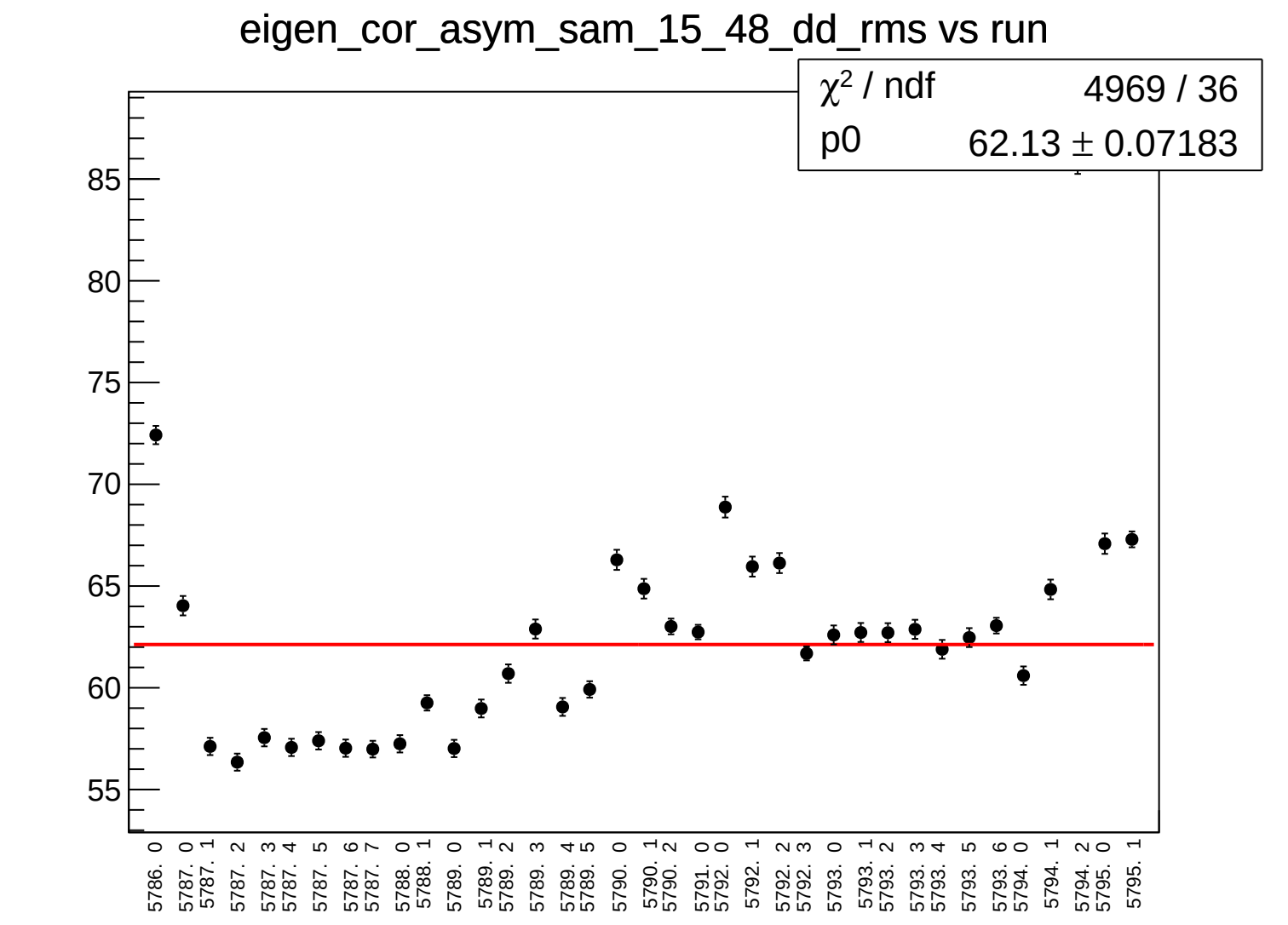

pull1D
Entries 37
Mean 0.02434
Std Dev 0.9035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

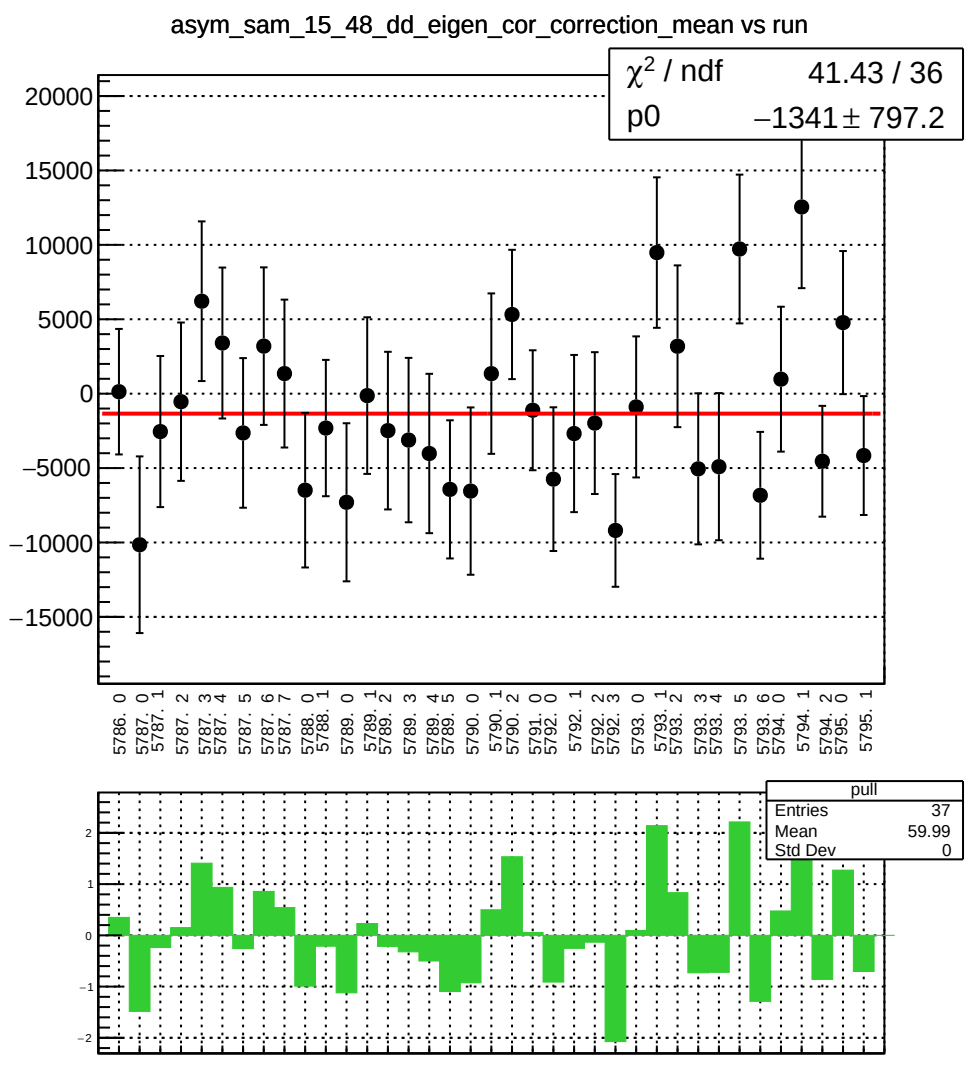

cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4969 / 36
p0 62.13 ± 0.07183
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

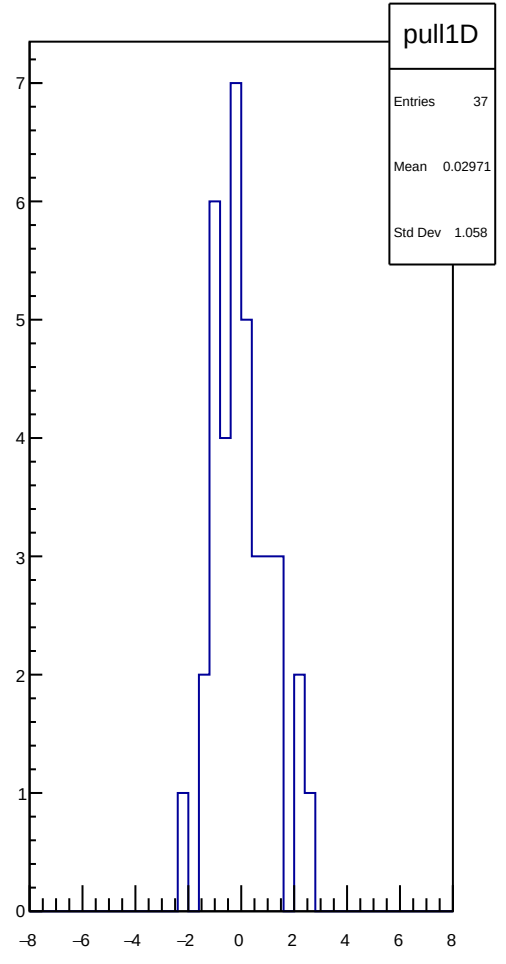

asym_sam_15_48_dd_cor_correction_mean vs run
χ² / ndf 41.43 / 36
p0 −1341 ± 797.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.99
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02971
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

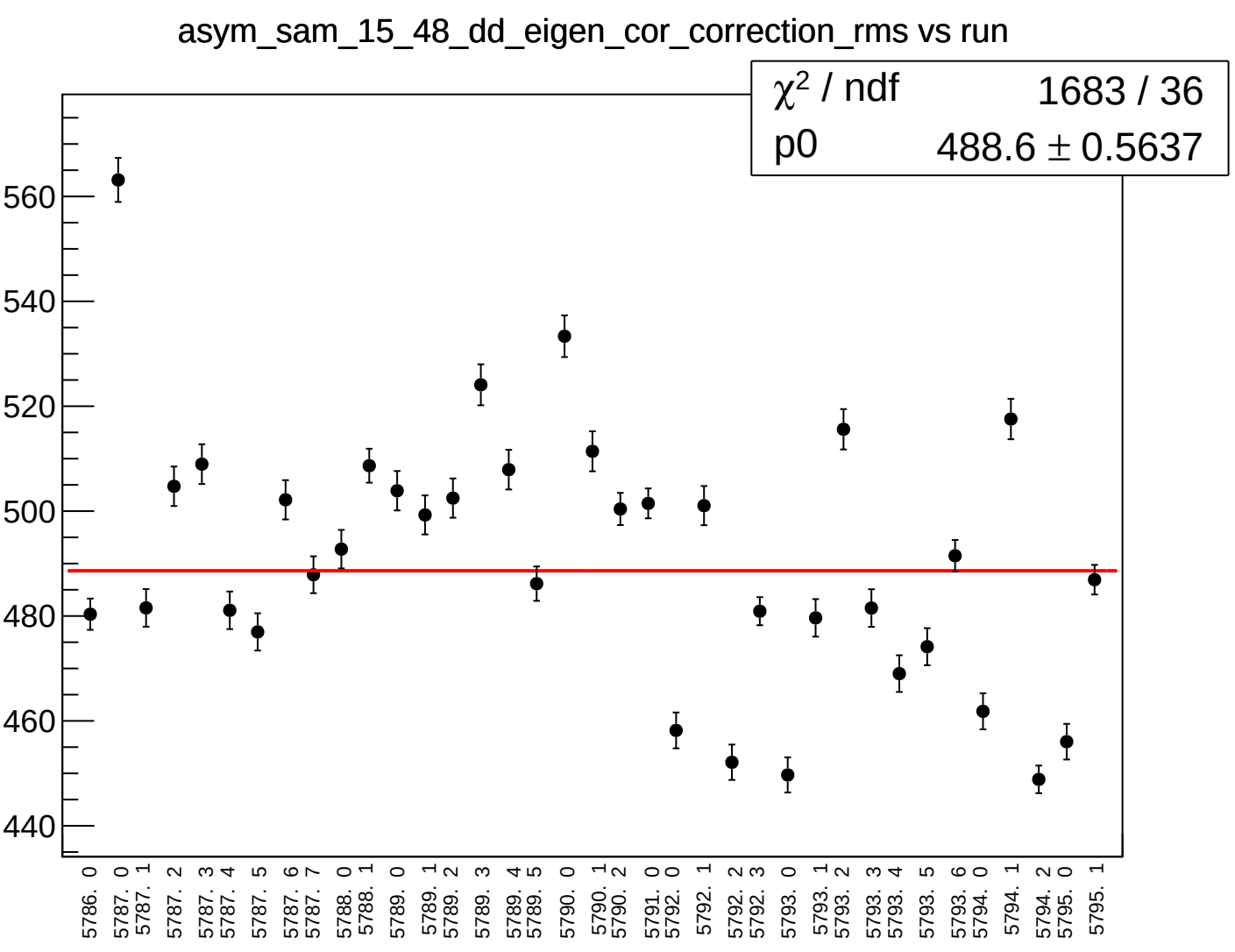

asym_sam_15_48_dd_cor_correction_rms vs run
χ² / ndf 1683 / 36
p0 488.6 ± 0.5637
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

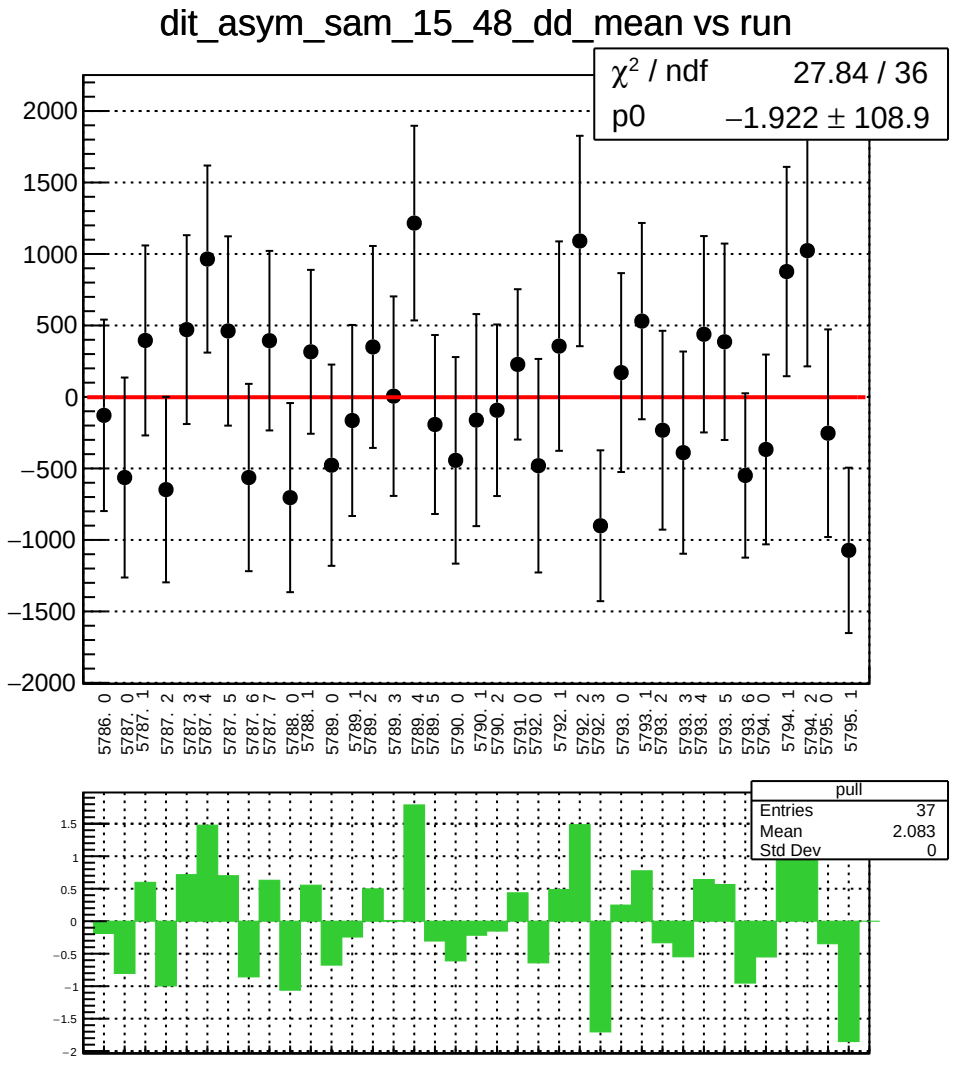

eigen_cor_asym_sam_15_48_dd_mean vs run
χ² / ndf 30.22 / 36
p0 114.4 ± 101.6
3000
2500
2000
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −14.97
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02434
Std Dev 0.9035
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

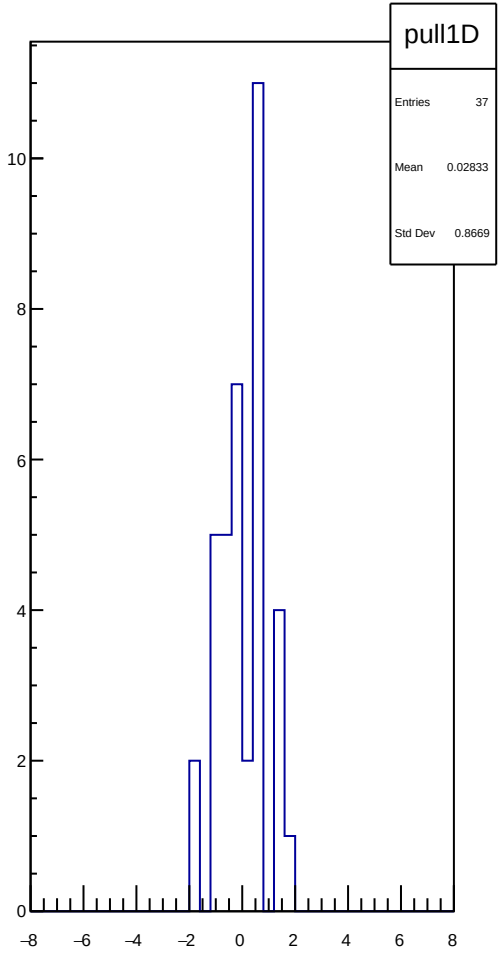

eigen_cor_asym_sam_15_48_dd_rms vs run
χ² / ndf 4969 / 36
p0 62.13 ± 0.07183
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

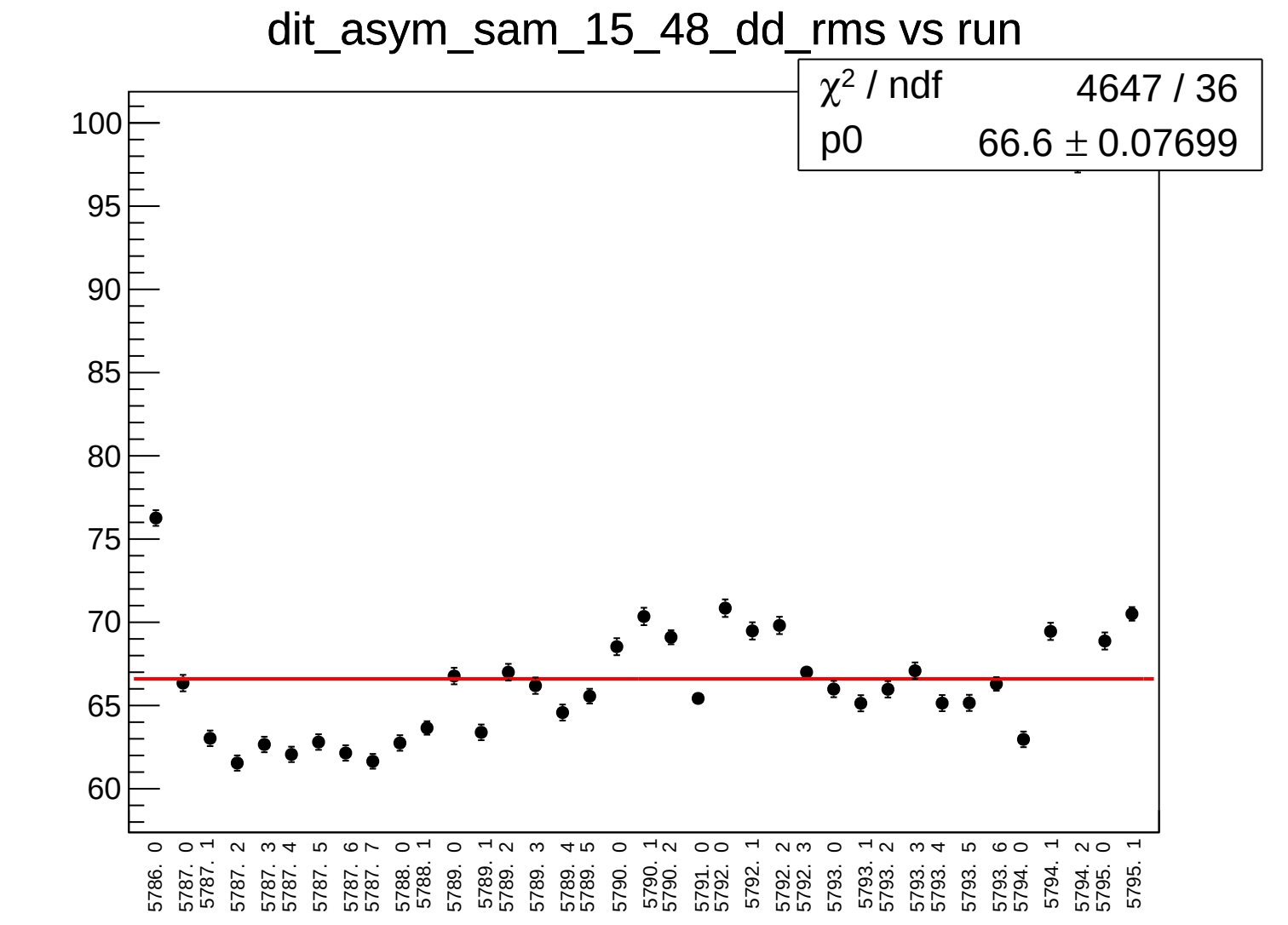

asym_sam_15_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.43 / 36
p0 −1341 ± 797.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.99
Std Dev 0
2
1
0
−1
−2

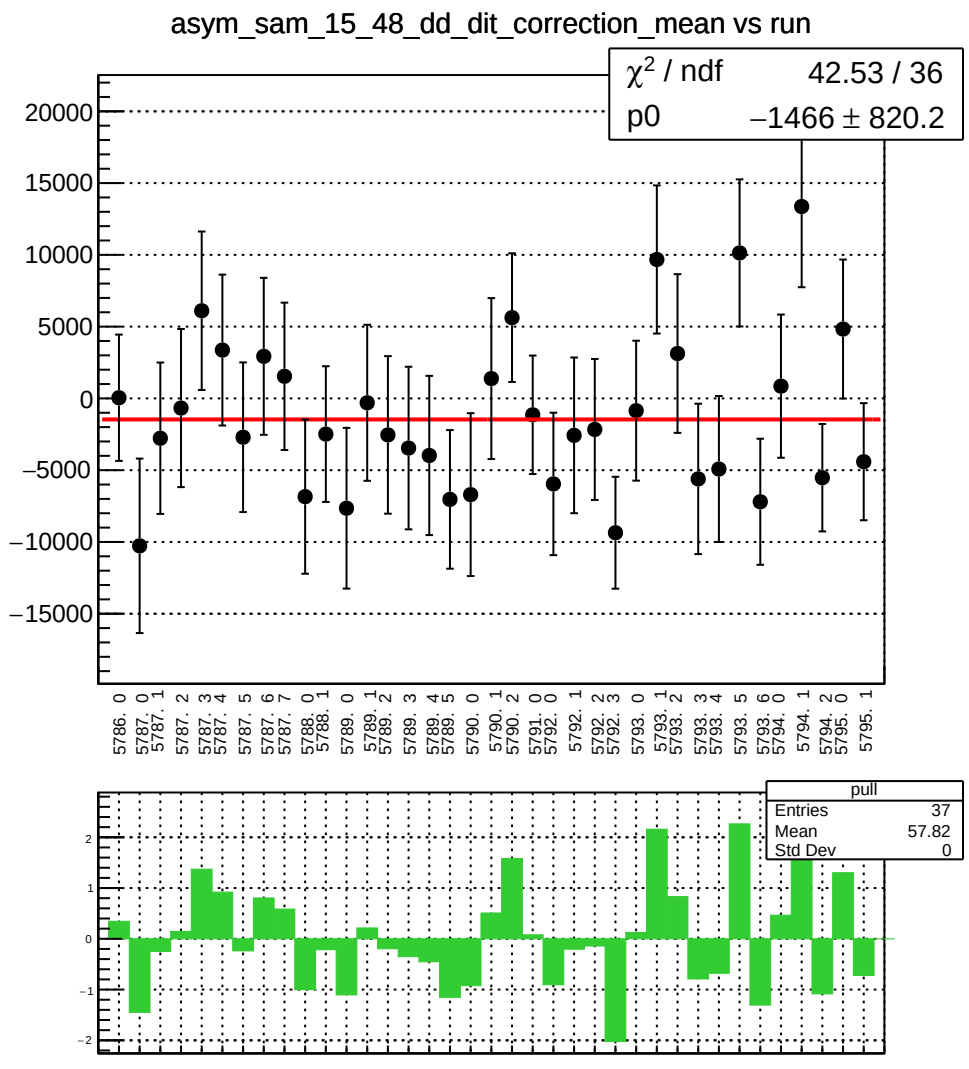

pull1D
Entries 37
Mean 0.02971
Std Dev 1.058
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

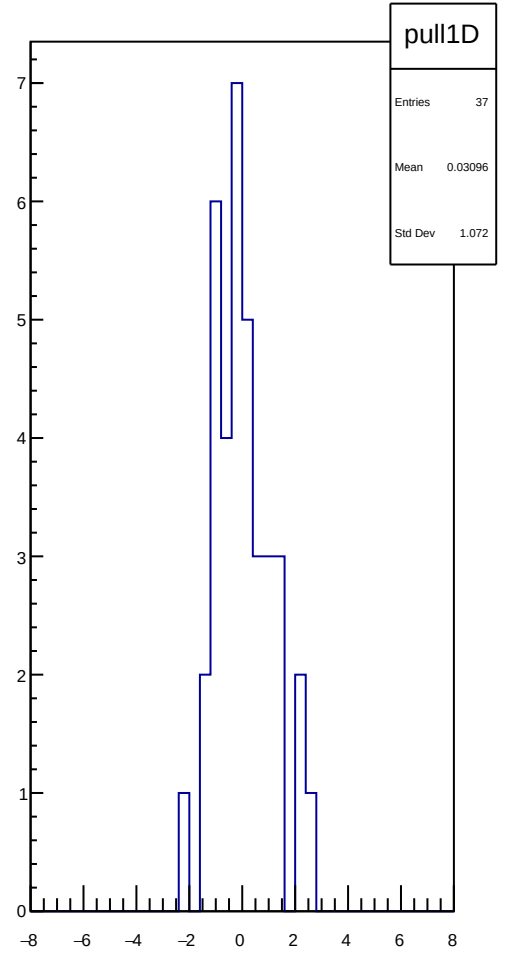

asym_sam_15_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1683 / 36
p0 488.6 ± 0.5637
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

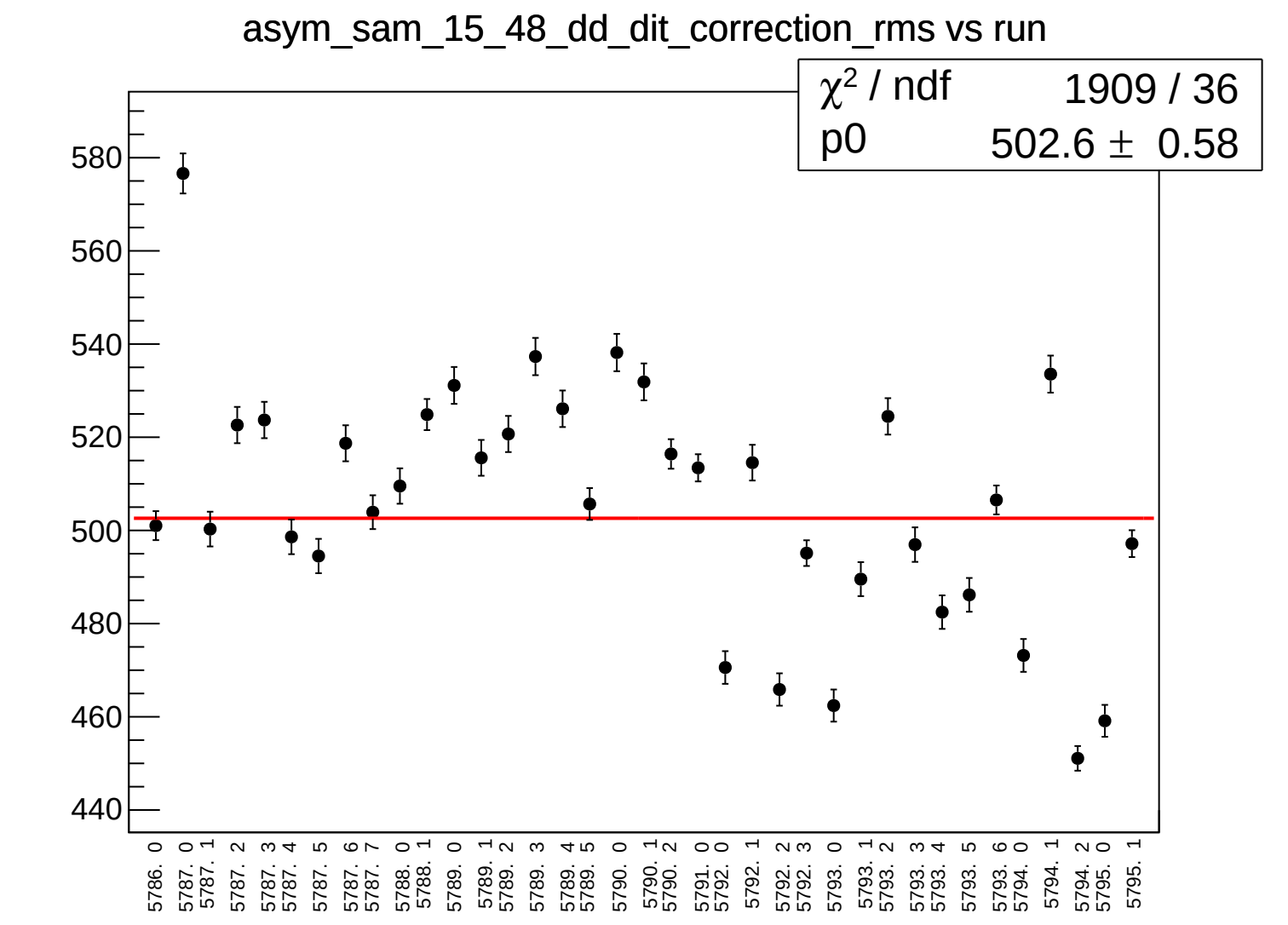

dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 27.84 / 36
p0 −1.922 ± 108.9
pull
Entries 37
Mean 2.083
Std Dev 0

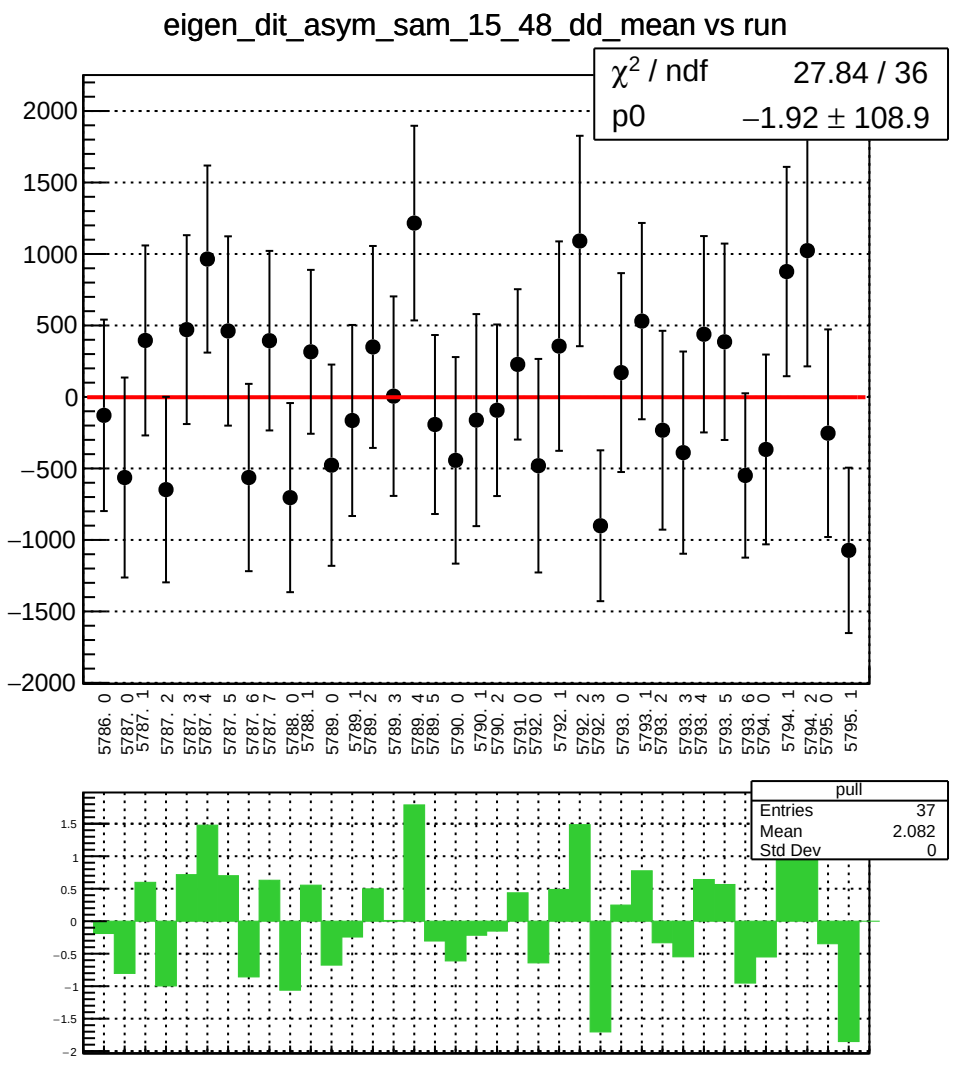

pull1D
Entries 37
Mean 0.02833
Std Dev 0.8669

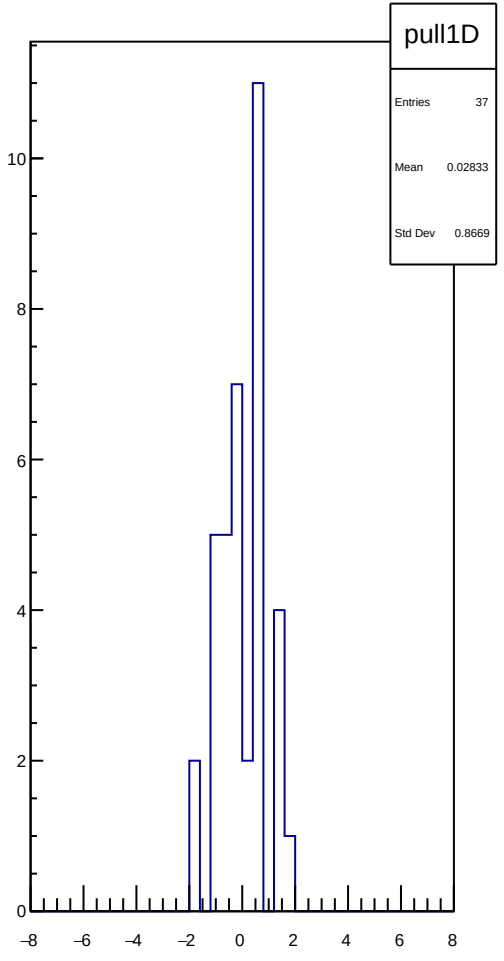

dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4647 / 36
p0 66.6 ± 0.07699
100
95
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

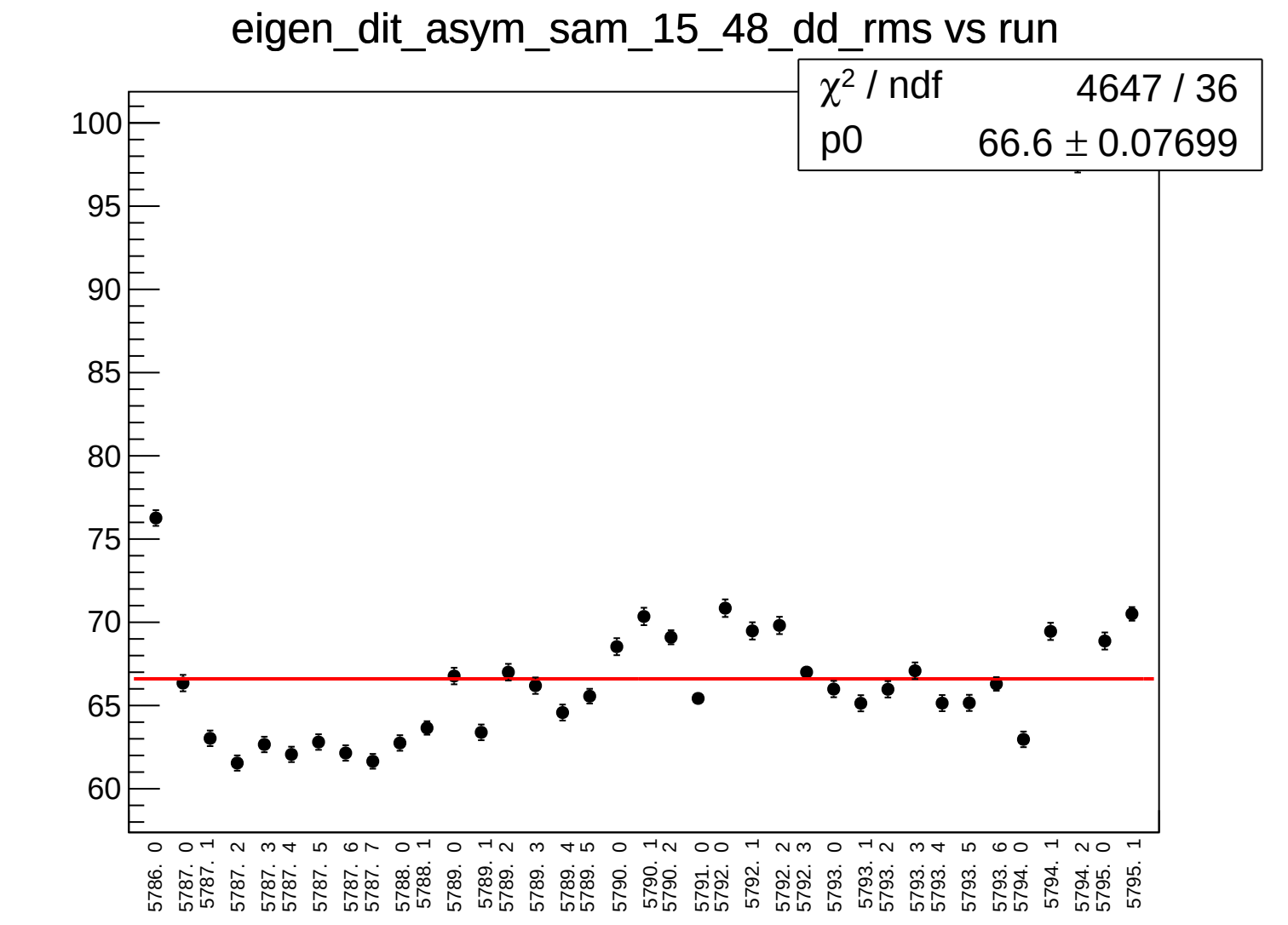

asym_sam_15_48_dd_dit_correction_mean vs run
χ² / ndf 42.53 / 36
p0 −1466 ± 820.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 57.82
Std Dev 0
2
1
0
−1
−2

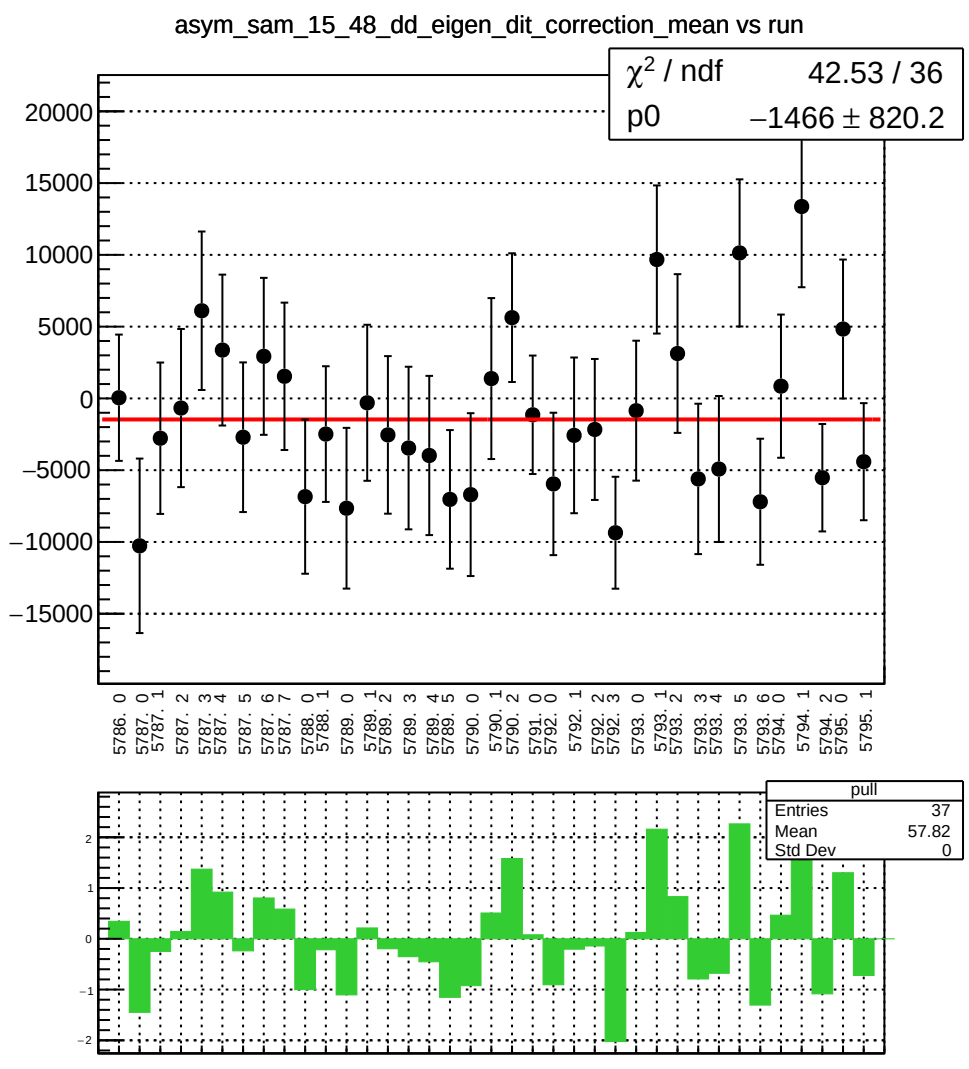

pull1D
Entries 37
Mean 0.03096
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

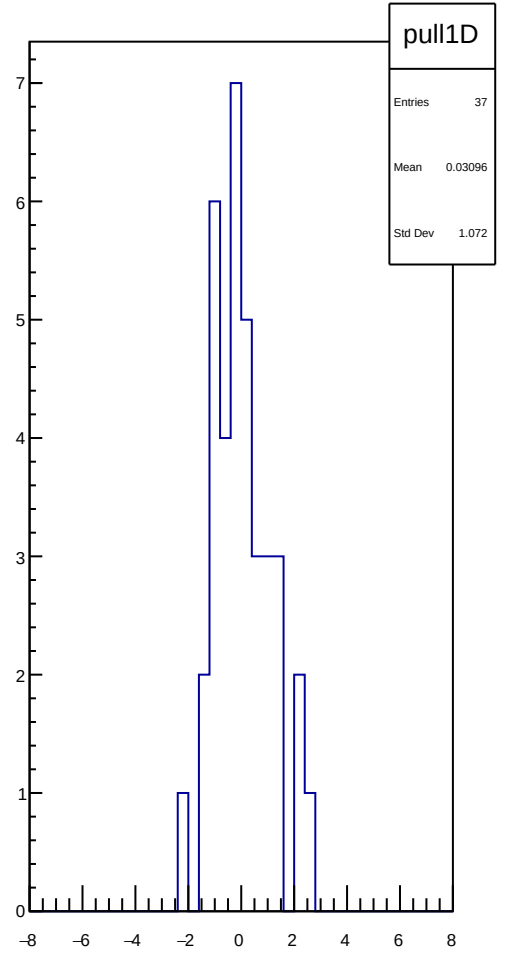

asym_sam_15_48_dd_dit_correction_rms vs run
χ² / ndf 1909 / 36
p0 502.6 ± 0.58
580
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

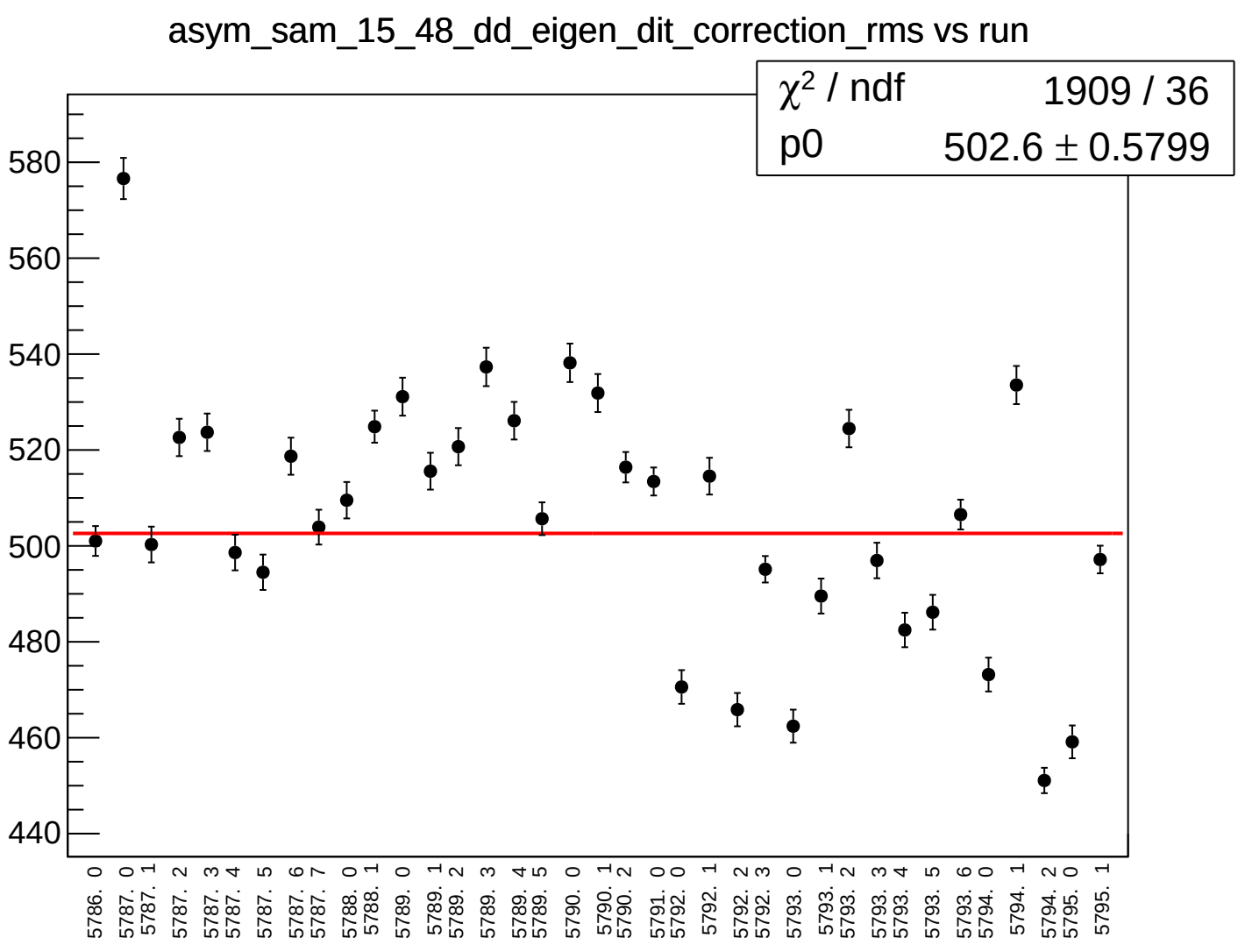

eigen_dit_asym_sam_15_48_dd_mean vs run
χ² / ndf 27.84 / 36
p0 −1.92 ± 108.9
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2.082
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

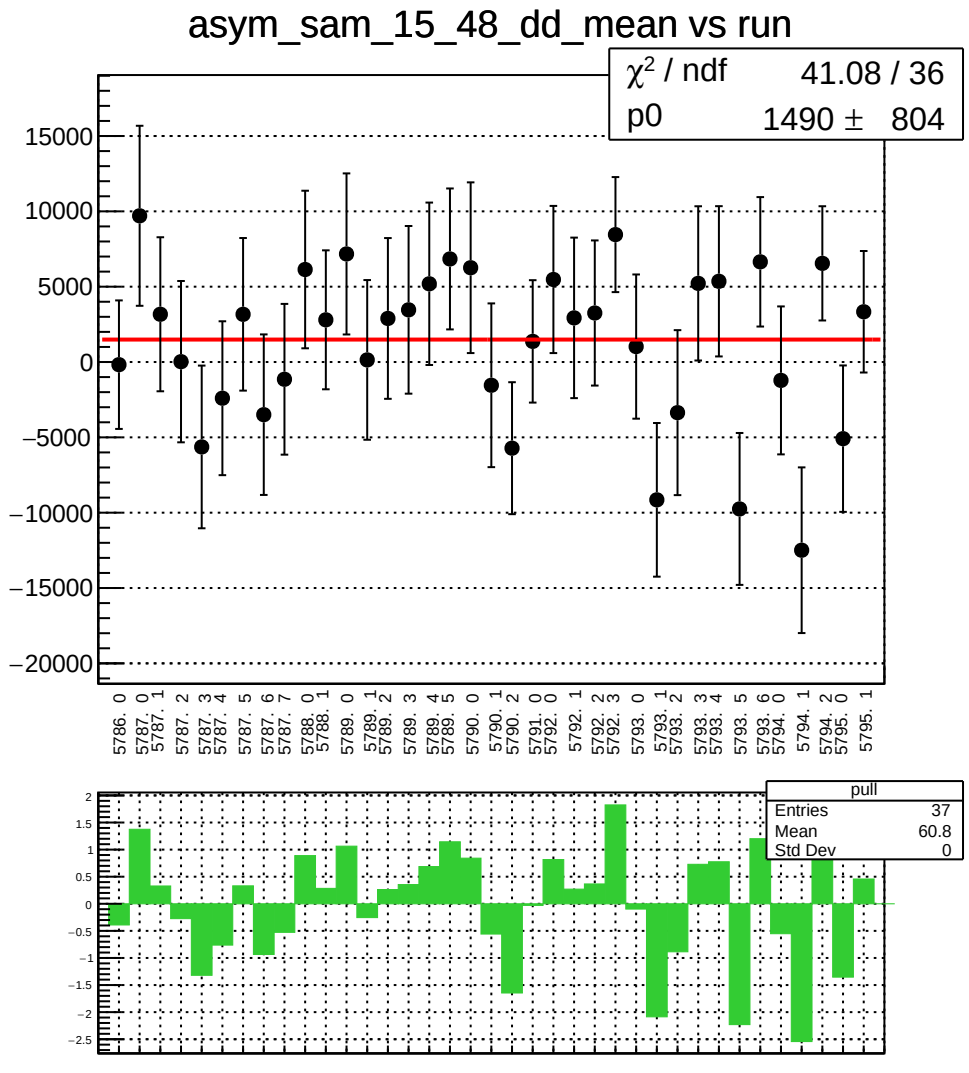

pull1D
Entries 37
Mean 0.02833
Std Dev 0.8669
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

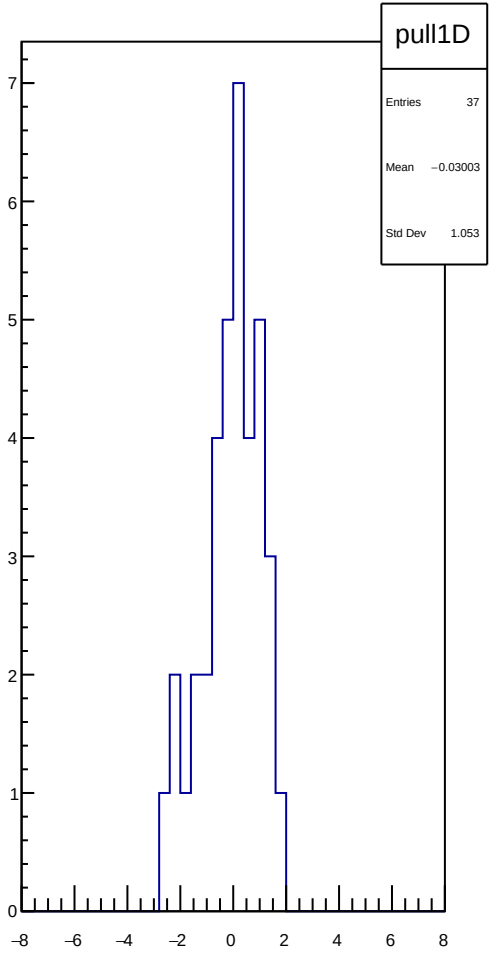

eigen_dit_asym_sam_15_48_dd_rms vs run
χ² / ndf 4647 / 36
p0 66.6 ± 0.07699
100
95
90
85
80
75
70
65
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

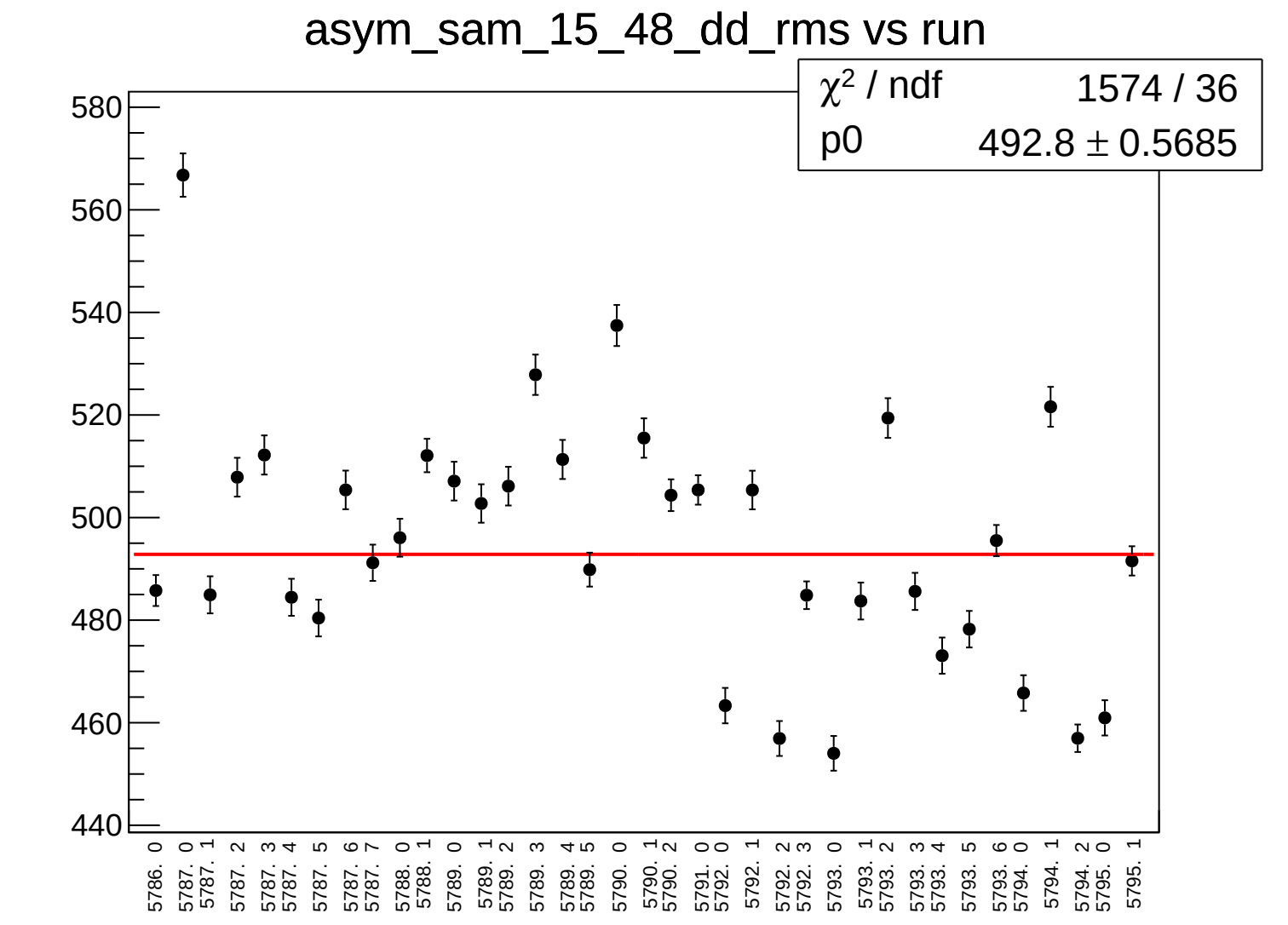

asym_sam_15_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.53 / 36
p0 −1466 ± 820.2
20000
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 57.82
Std Dev 0
2
1
0
−1
−2

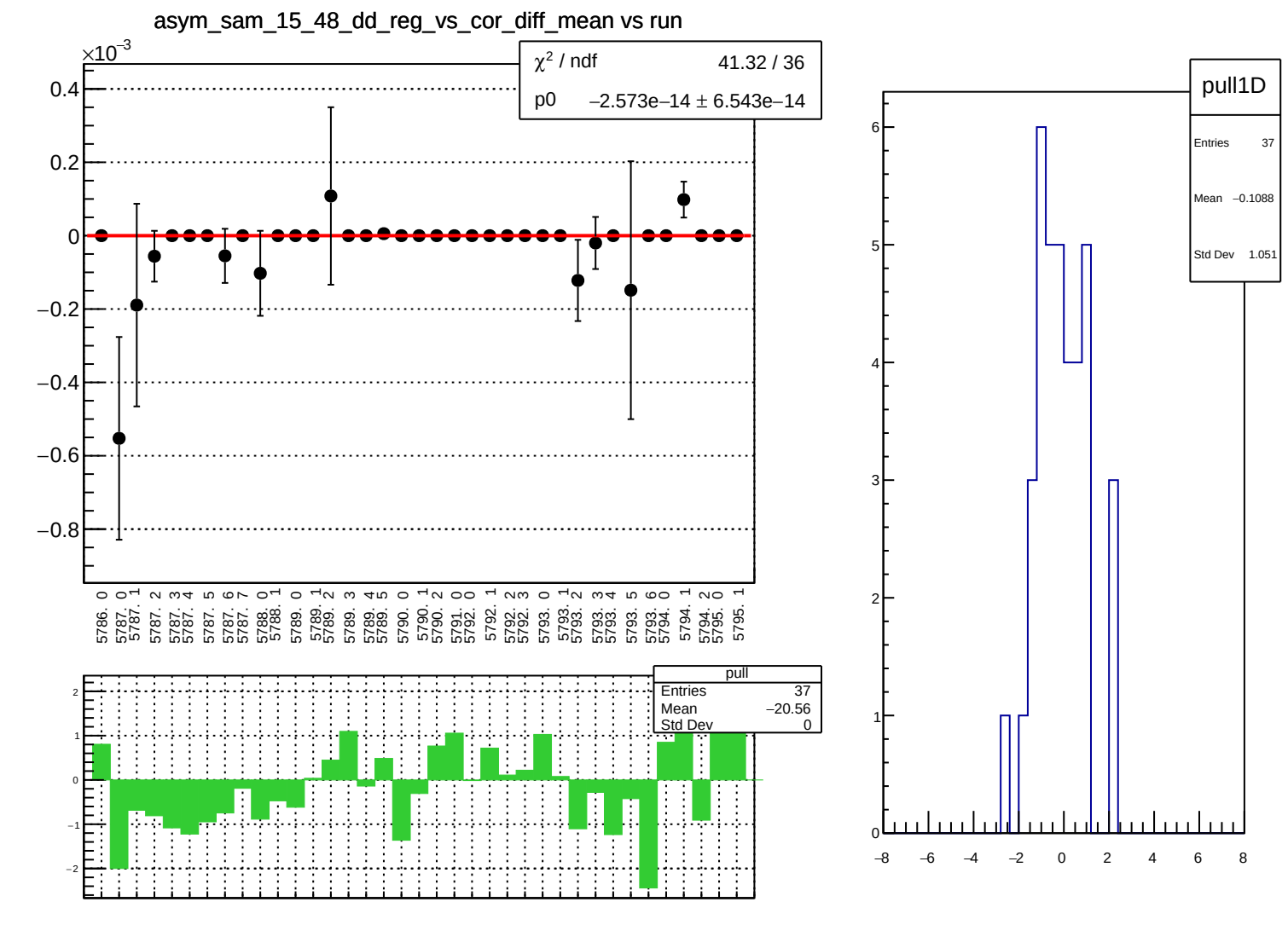

pull1D
Entries 37
Mean 0.03096
Std Dev 1.072
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

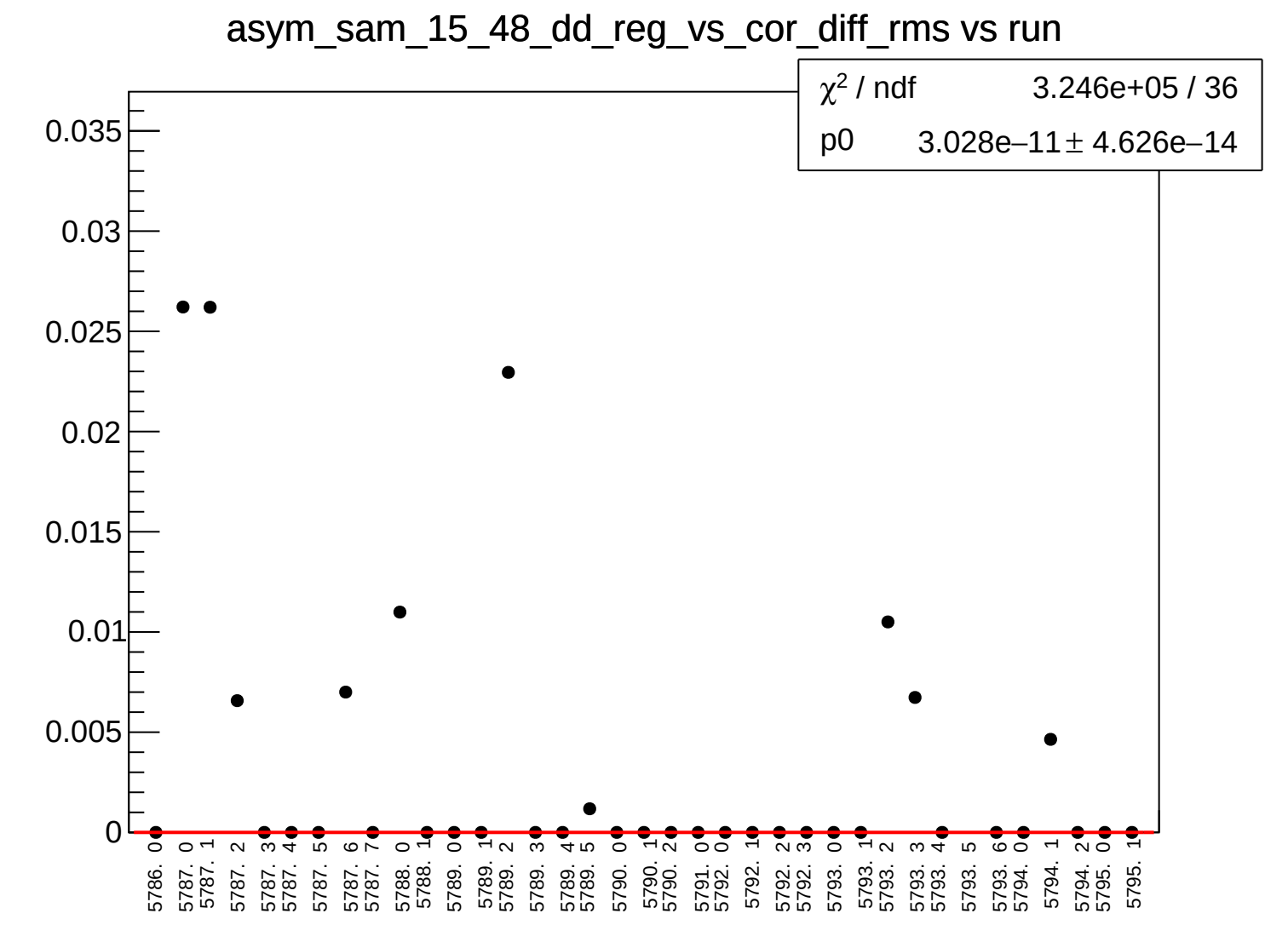

asym_sam_15_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 1909 / 36
p0 502.6 ± 0.5799
580
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

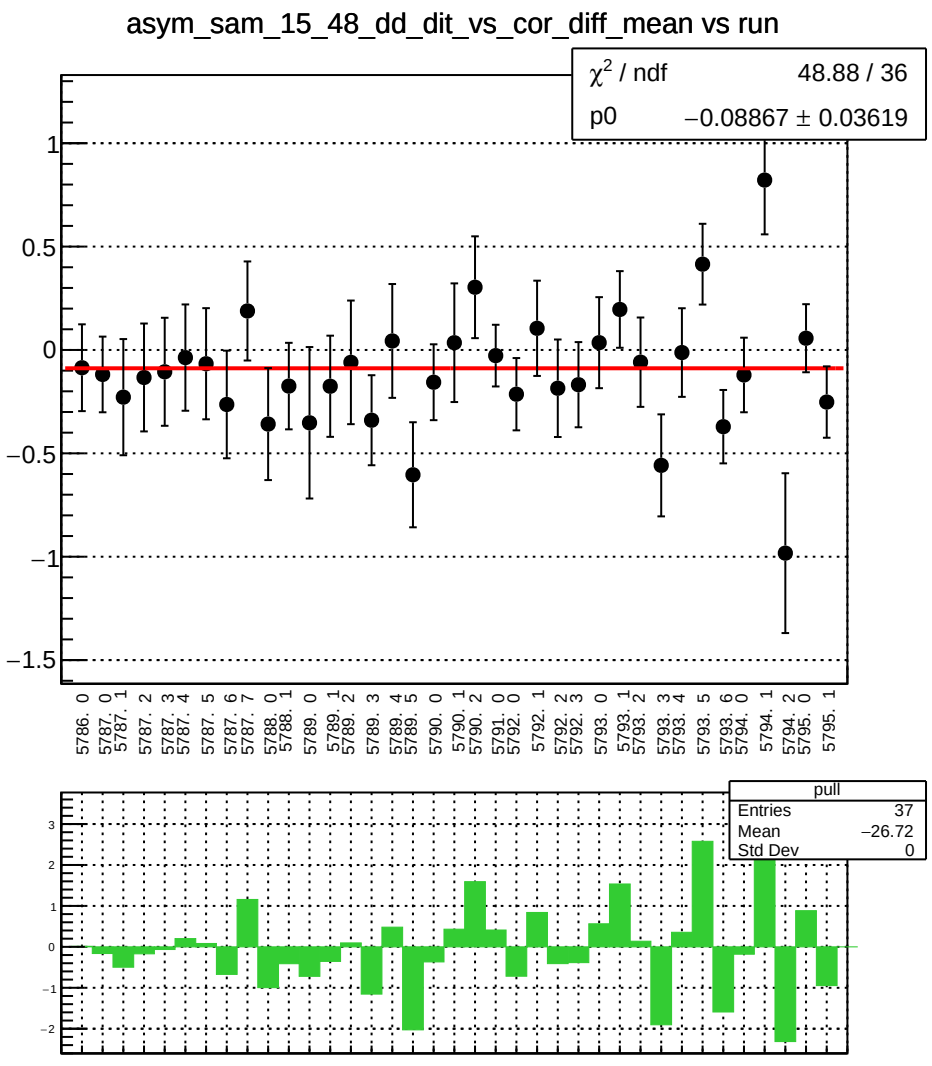

asym_sam_15_48_dd_mean vs run
χ² / ndf 41.08 / 36
p0 1490 ± 804
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 60.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

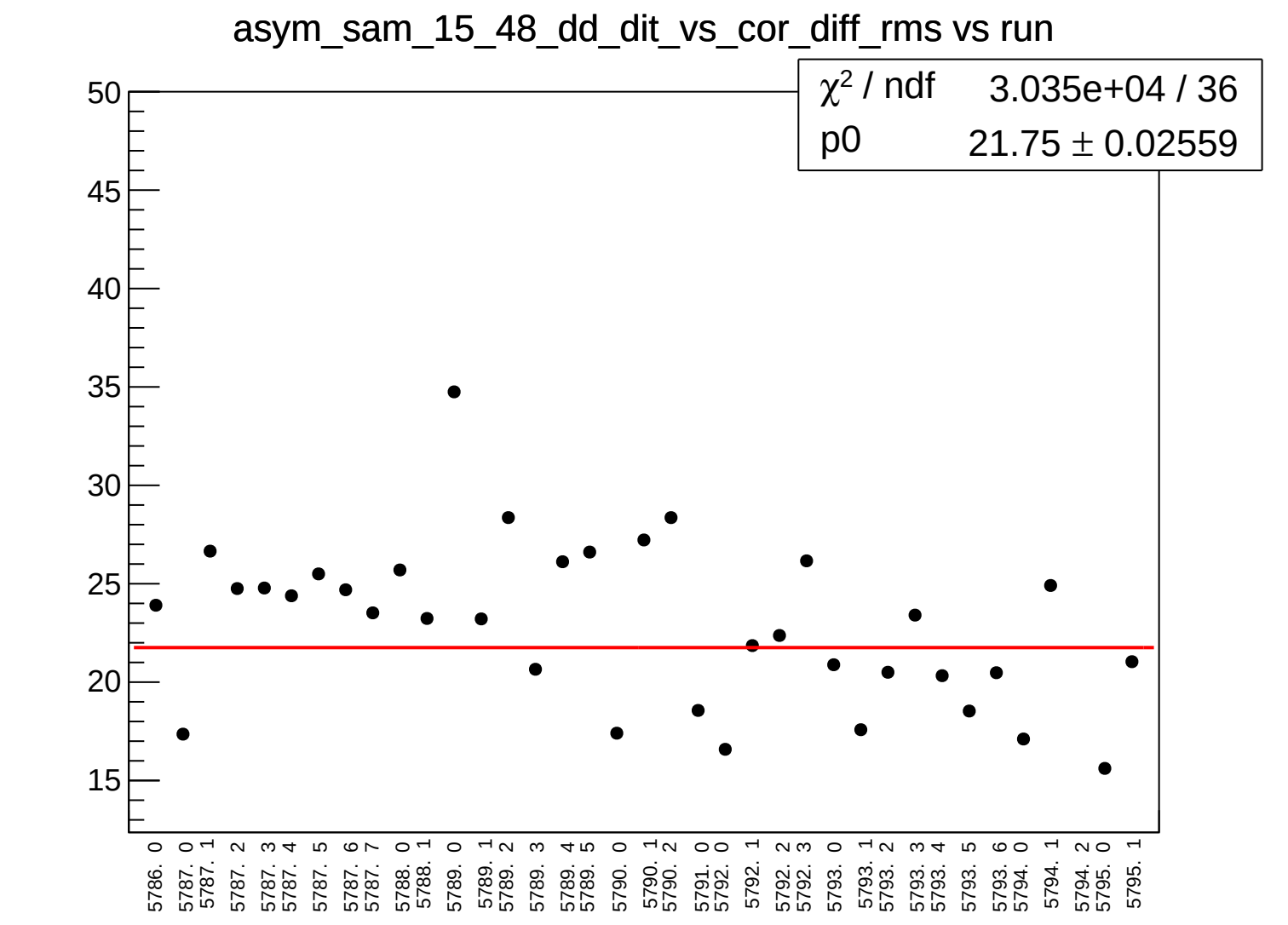

pull1D
Entries 37
Mean −0.03003
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

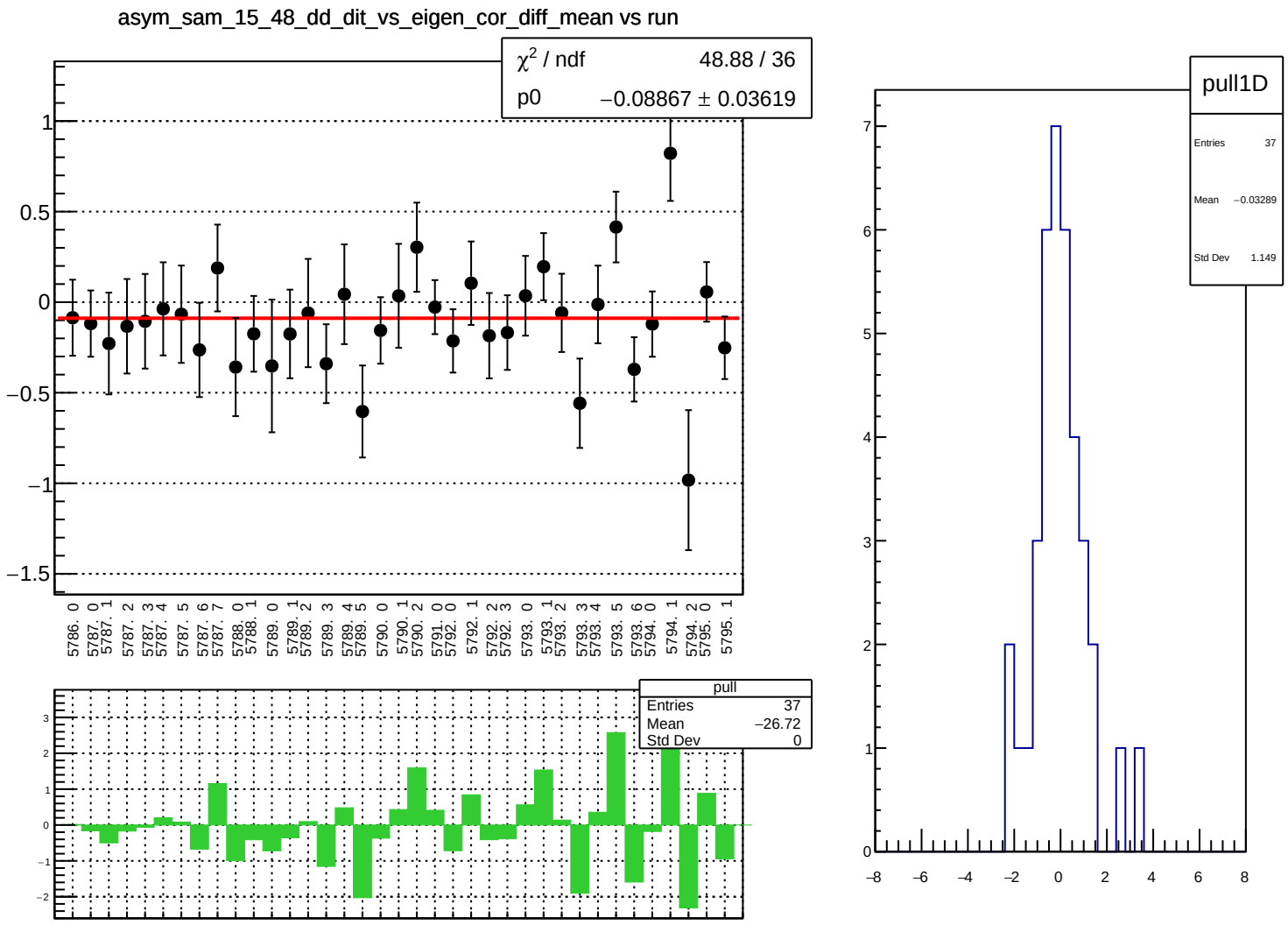

asym_sam_15_48_dd_rms vs run
χ² / ndf 1574 / 36
p0 492.8 ± 0.5685
580
560
540
520
500
480
460
440
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

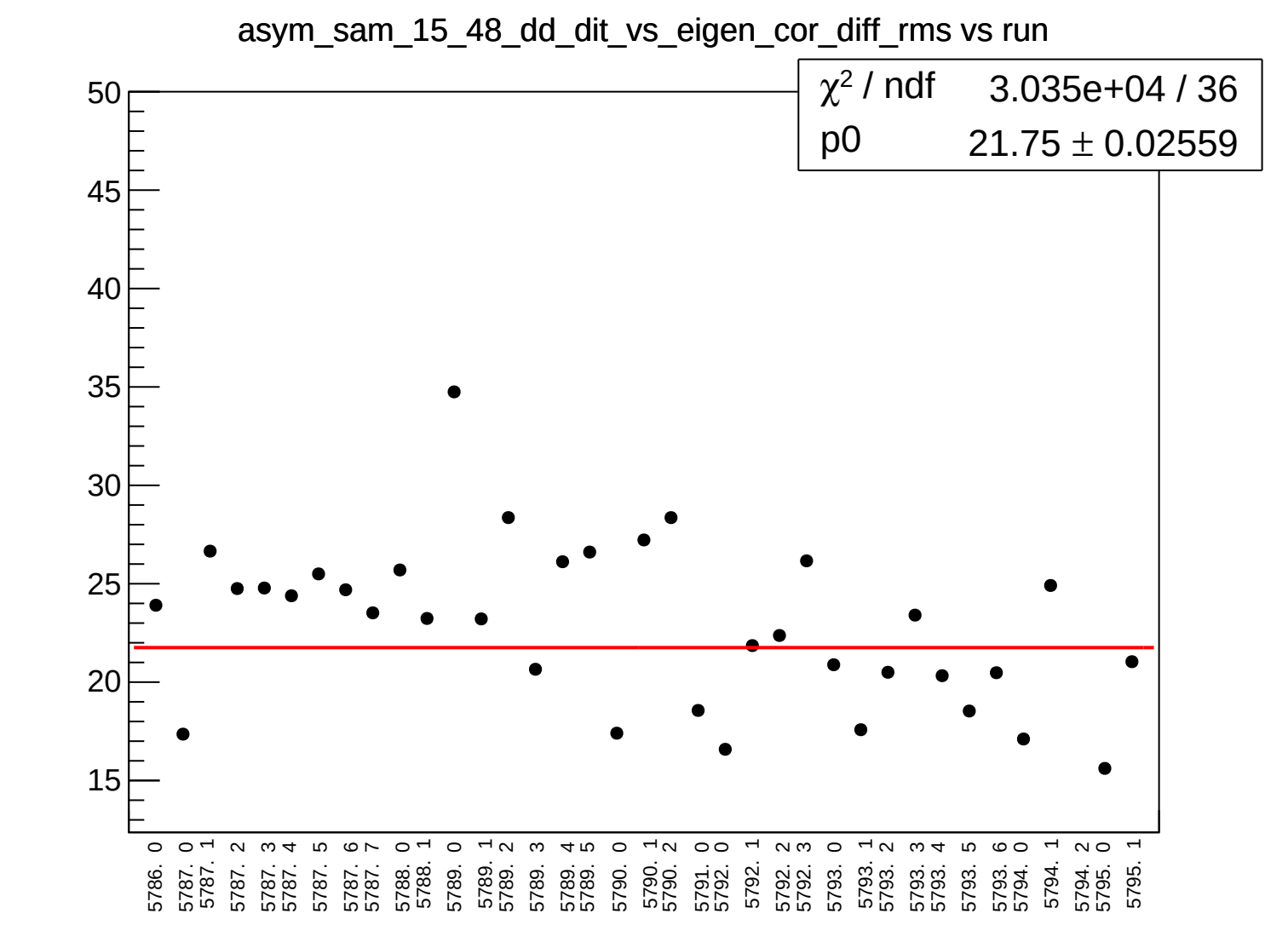

asym_sam_15_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 41.32 / 36
p0 −2.573e−14 ± 6.543e−14
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −20.56
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.1088
Std Dev 1.051
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

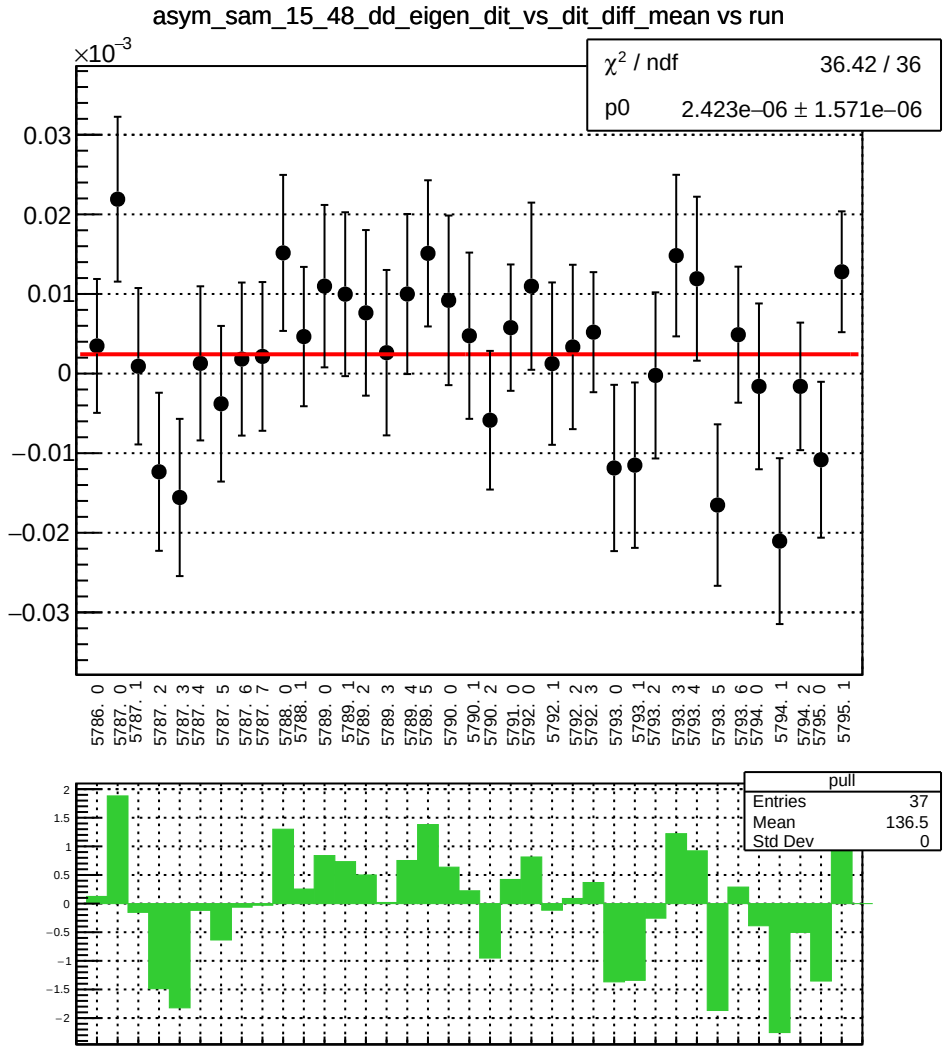

asym_sam_15_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.246e+05 / 36
p0 3.028e−11 ± 4.626e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

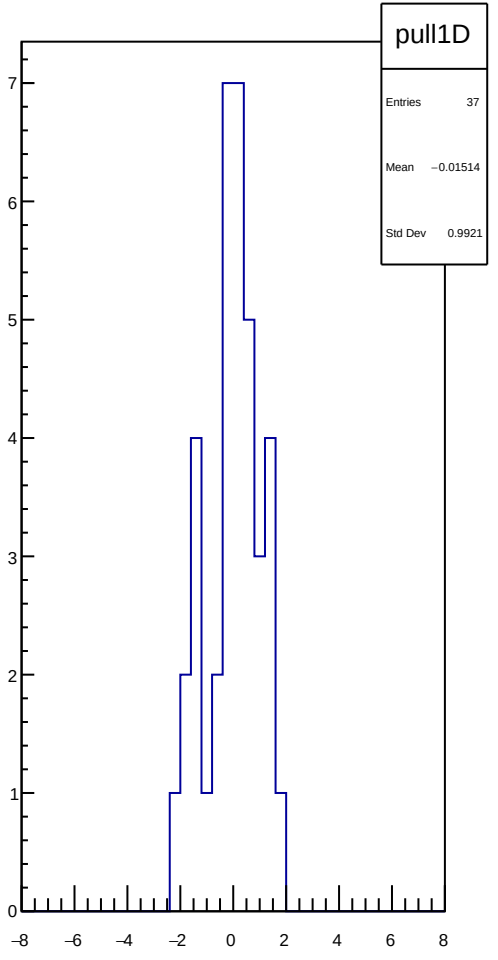

asym_sam_15_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 48.88 / 36
p0 −0.08867 ± 0.03619
pull
Entries 37
Mean −26.72
Std Dev 0
pull1D
Entries 37
Mean −0.03289
Std Dev 1.149

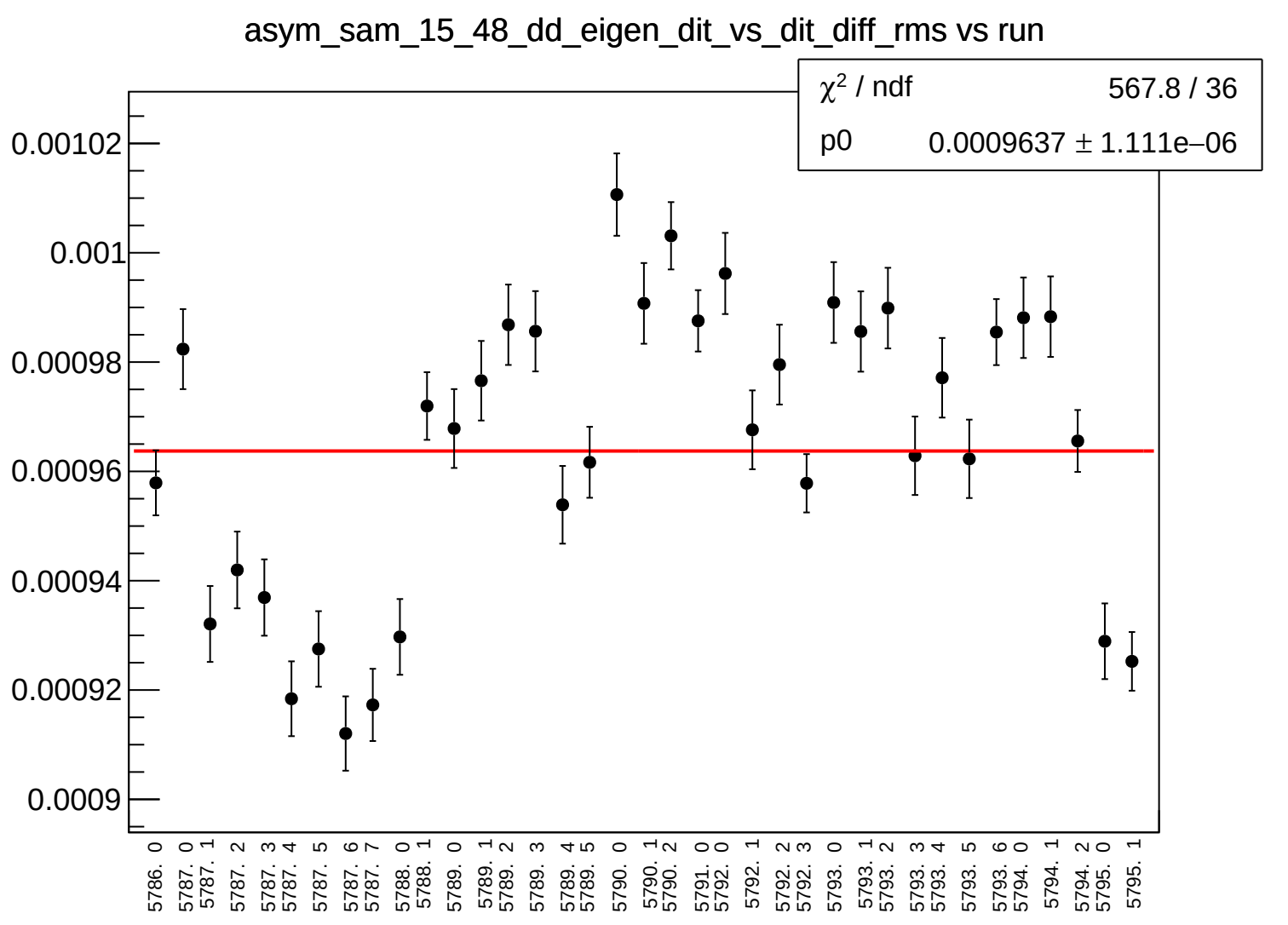

asym_sam_15_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.035e+04 / 36
p0 21.75 ± 0.02559
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

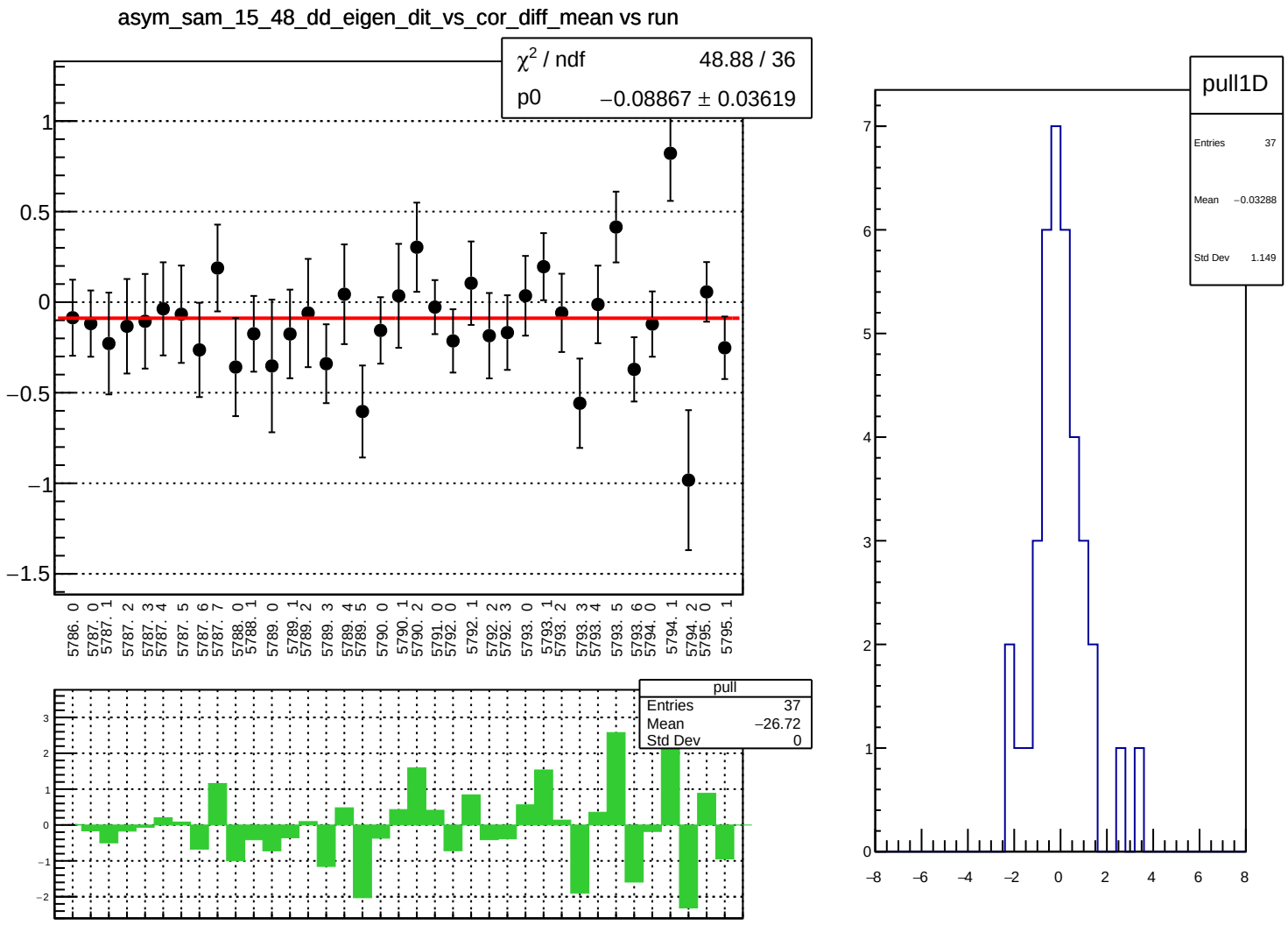

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.88 / 36
p0 −0.08867 ± 0.03619
pull
Entries 37
Mean −26.72
Std Dev 0
pull1D
Entries 37
Mean −0.03289
Std Dev 1.149

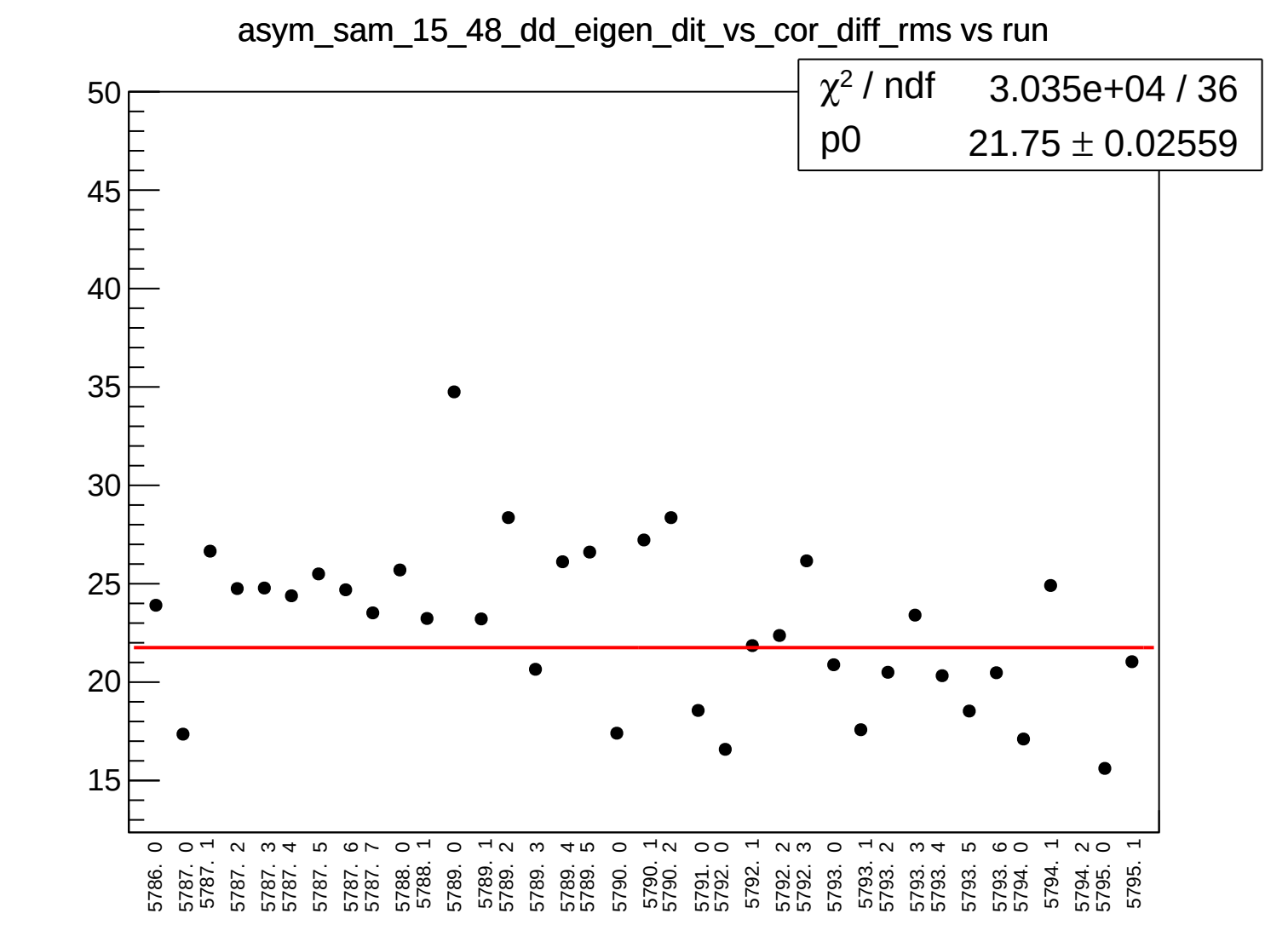

asym_sam_15_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.035e+04 / 36
p0 21.75 ± 0.02559
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

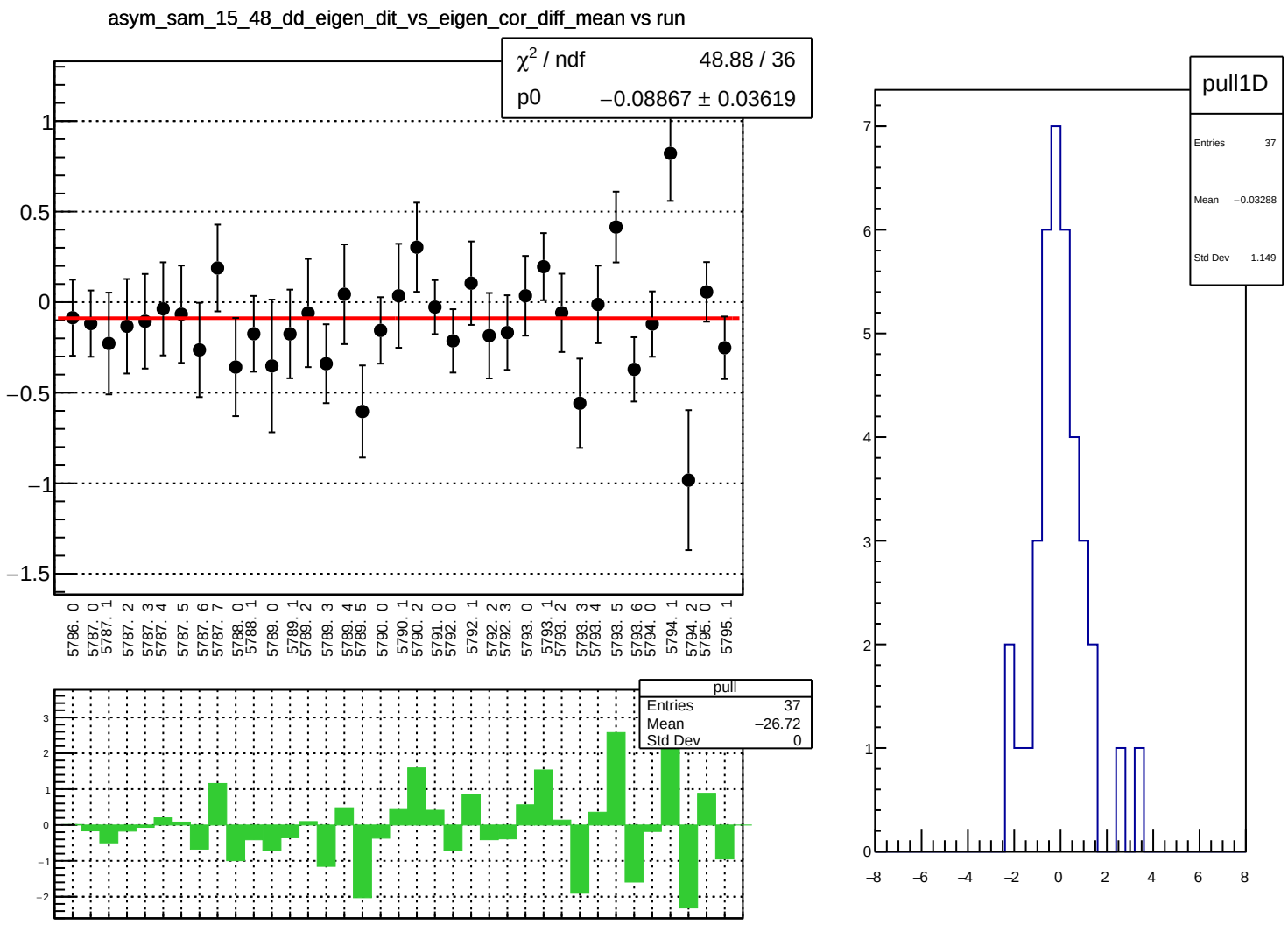

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 36.42 / 36
p0 2.423e−06 ± 1.571e−06
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 136.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

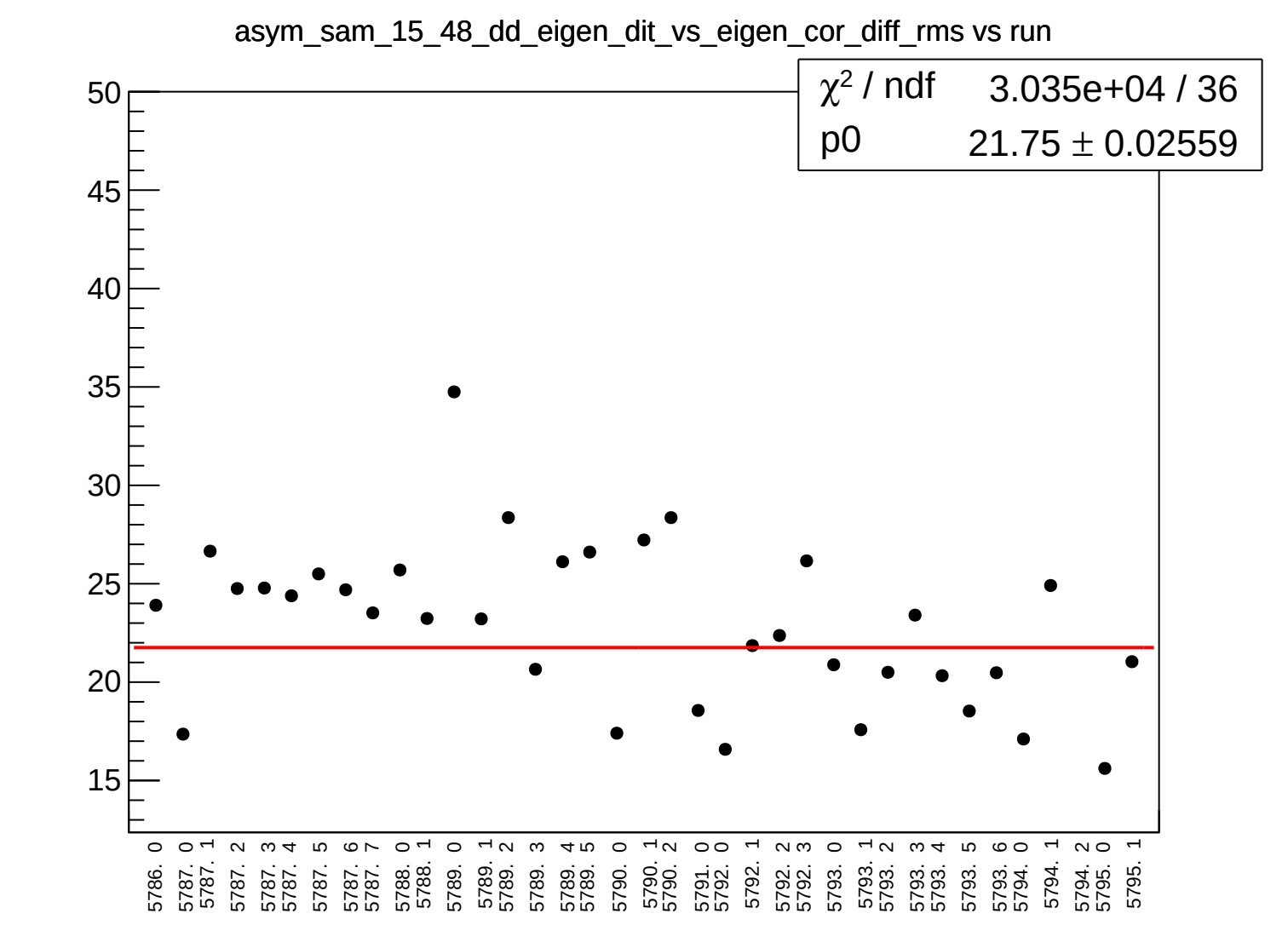

pull1D
Entries 37
Mean −0.01514
Std Dev 0.9921
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

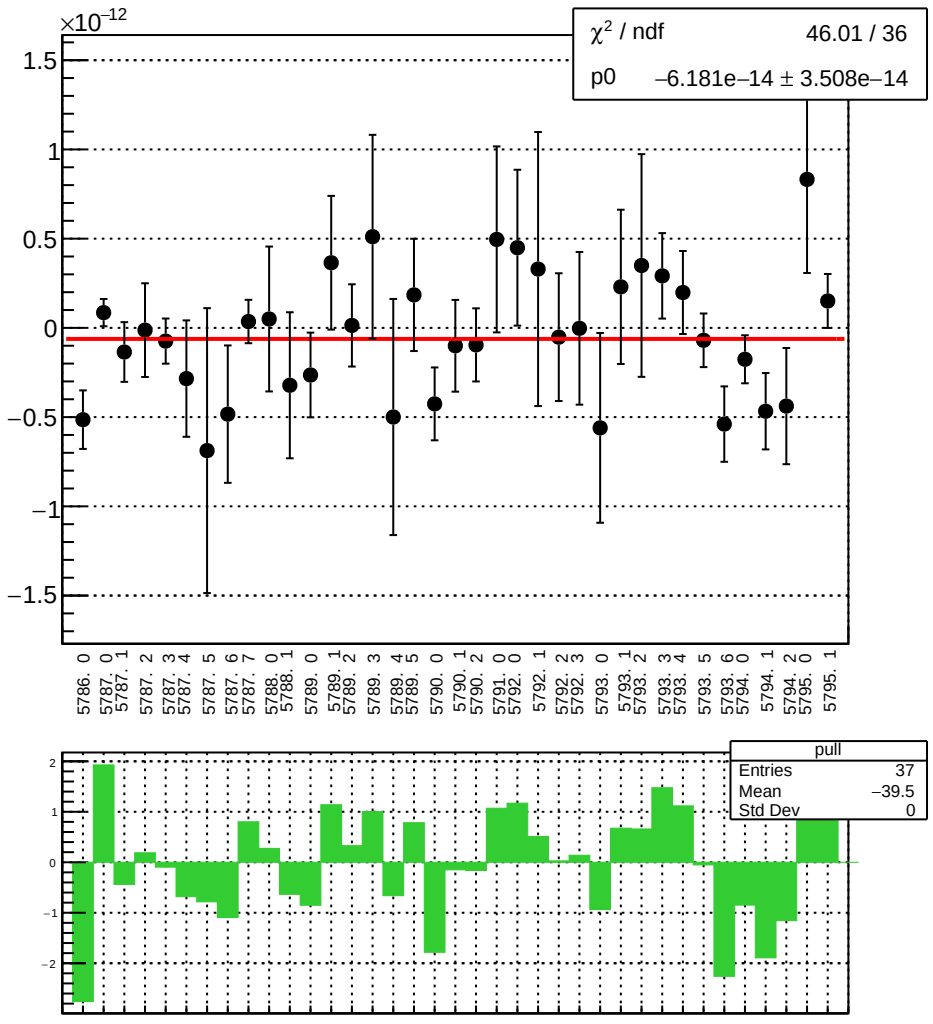

asym_sam_15_48_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 567.8 / 36
p0 0.0009637 ± 1.111e−06
0.00102
0.001
0.00098
0.00096
0.00094
0.00092
0.0009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

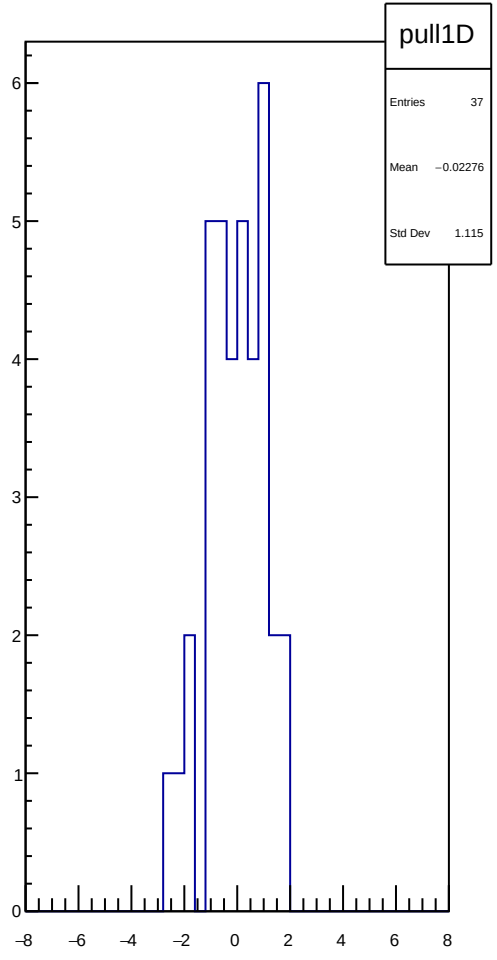

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.88 / 36
p0 −0.08867 ± 0.03619
pull
Entries 37
Mean −26.72
Std Dev 0
pull1D
Entries 37
Mean −0.03288
Std Dev 1.149

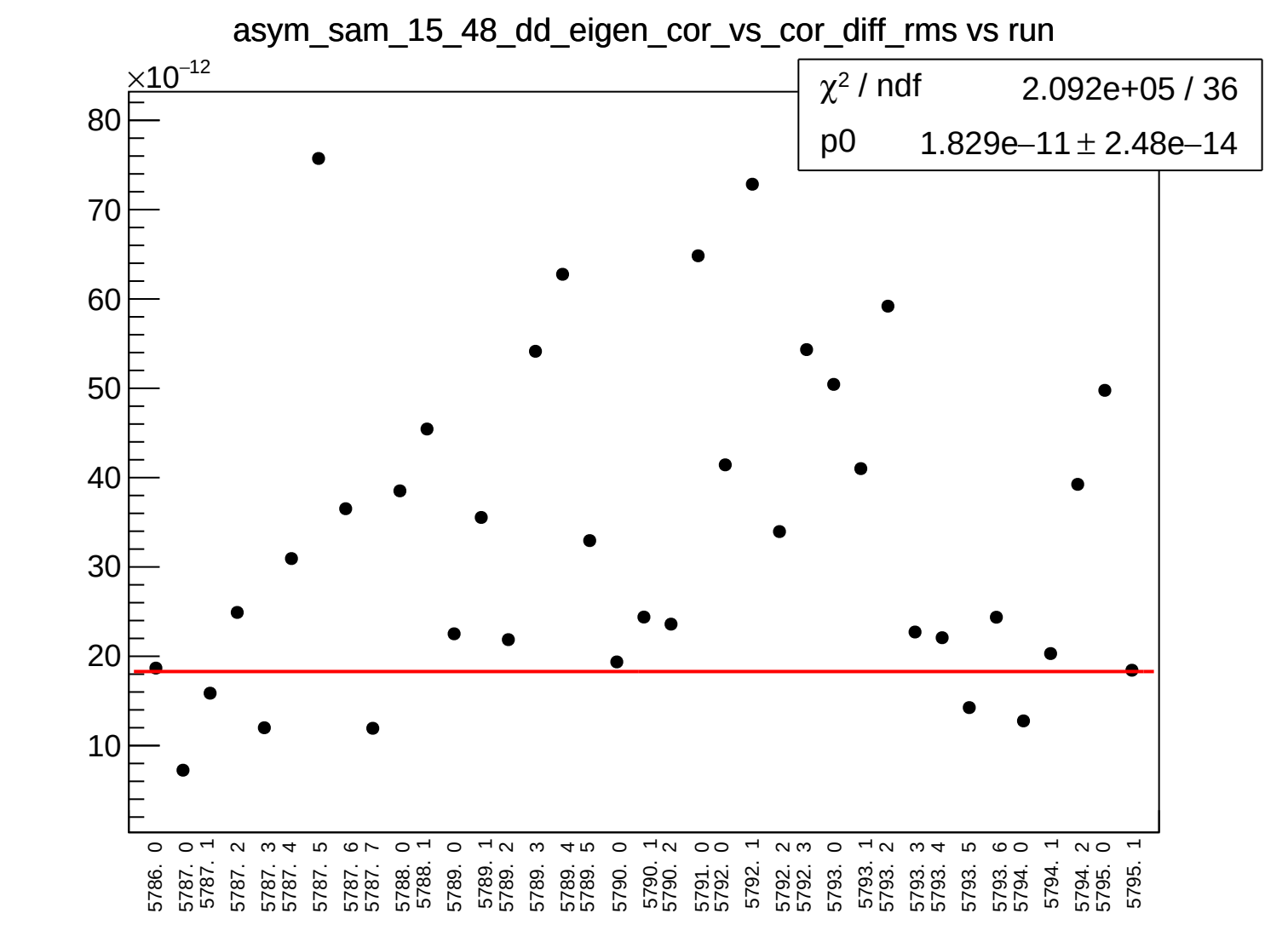

asym_sam_15_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.035e+04 / 36
p0 21.75 ± 0.02559
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

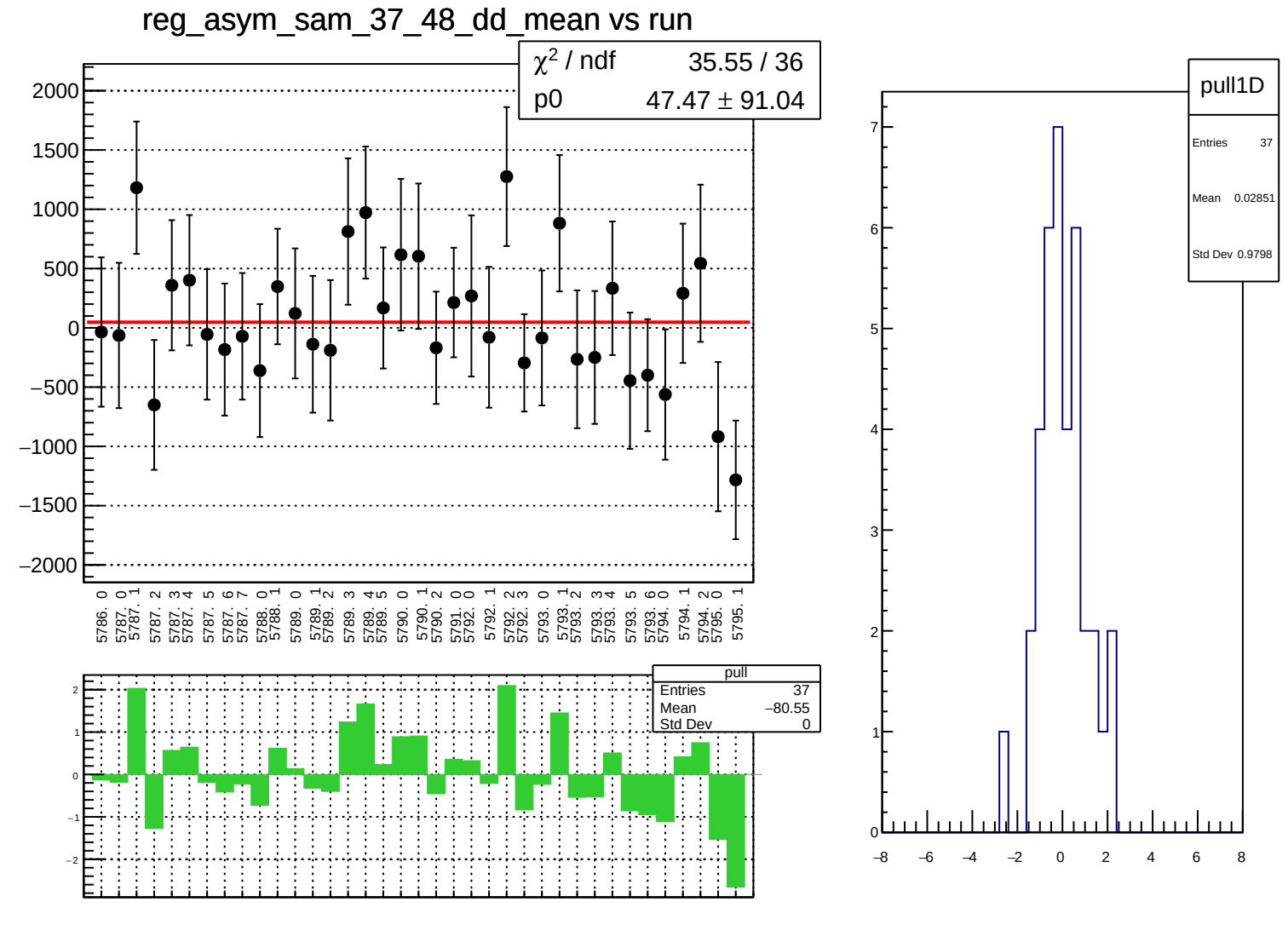

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.88 / 36
p0 −0.08867 ± 0.03619
pull
Entries 37
Mean −26.72
Std Dev 0
pull1D
Entries 37
Mean −0.03288
Std Dev 1.149

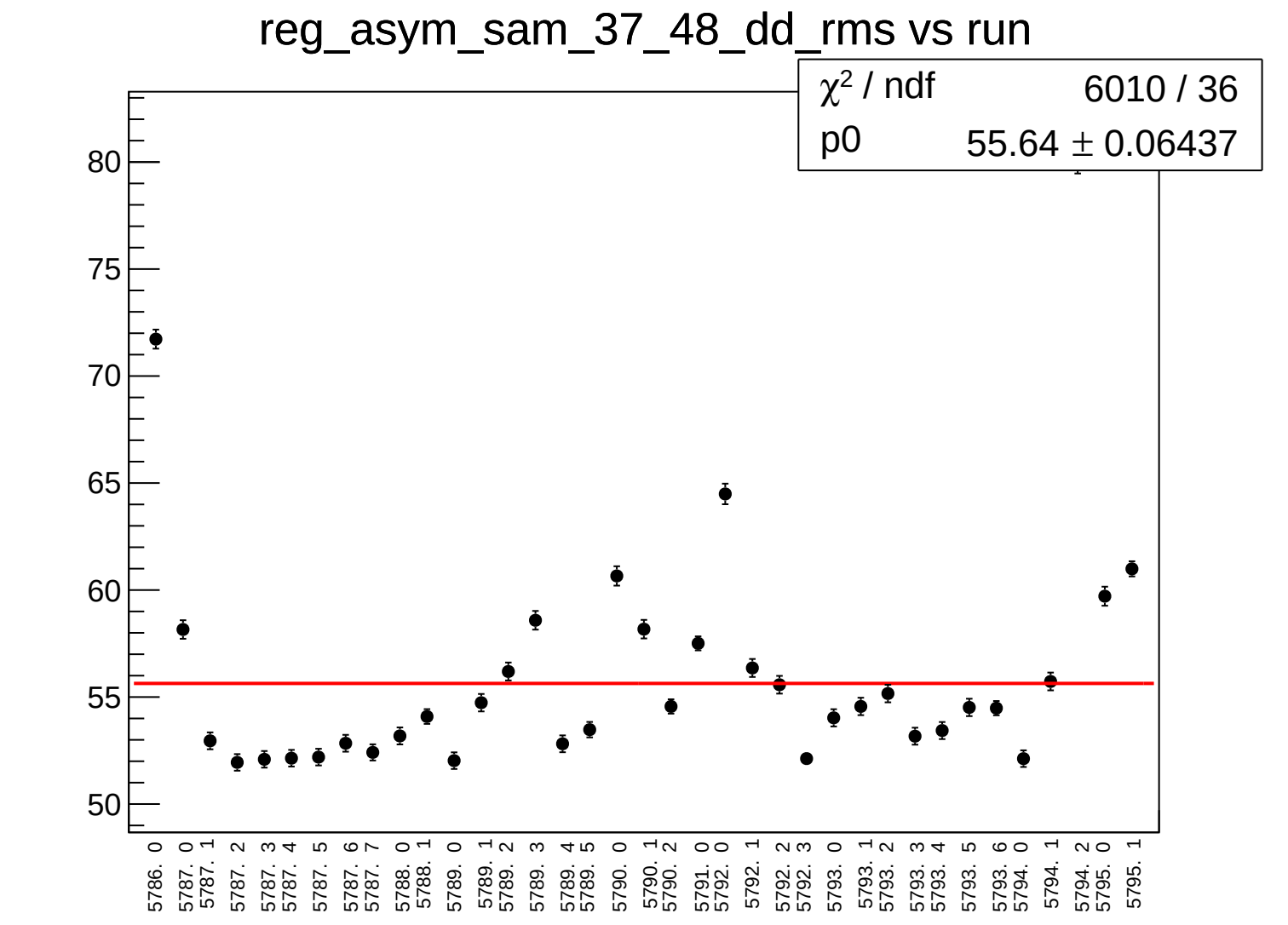

asym_sam_15_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.035e+04 / 36
p0 21.75 ± 0.02559
50
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

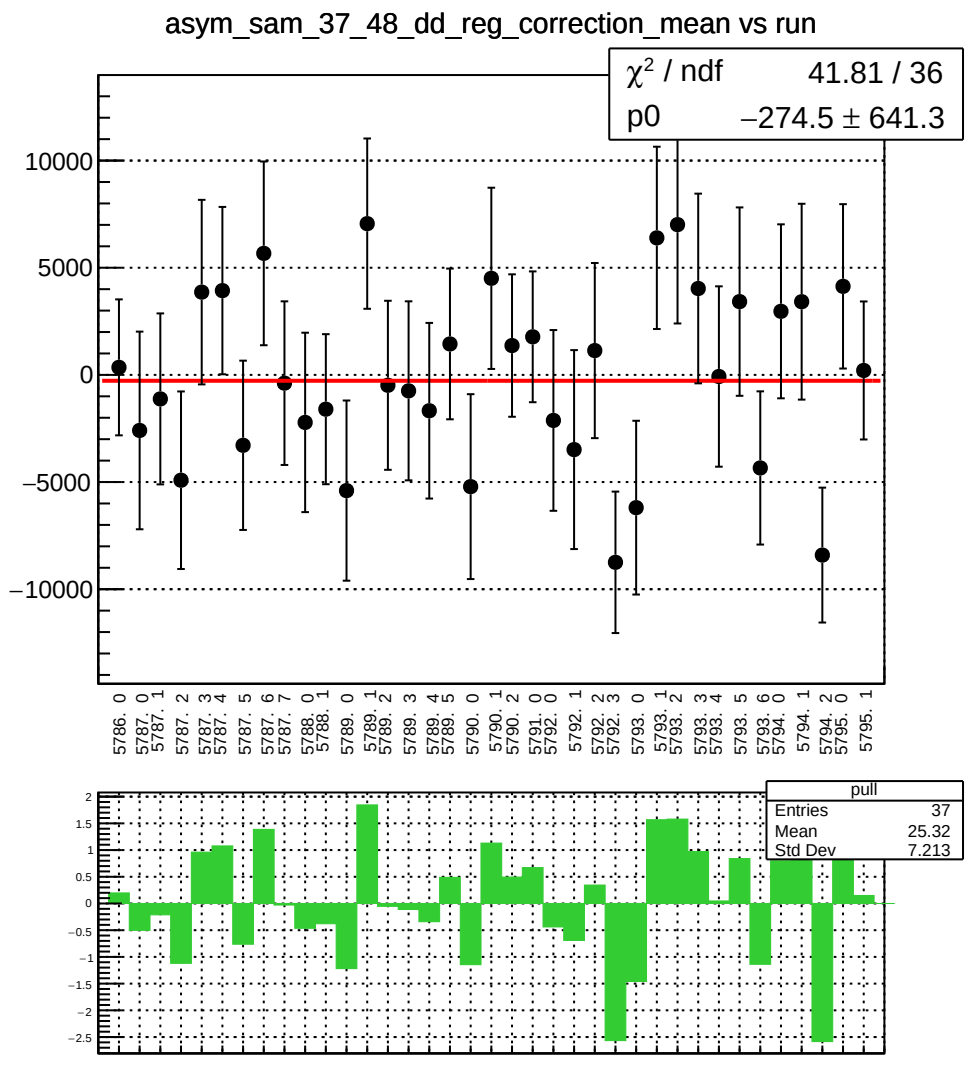

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10^−12
χ² / ndf 46.01 / 36
p0 −6.181e−14 ± 3.508e−14
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −39.5
Std Dev 0
2
1
0
−1
−2

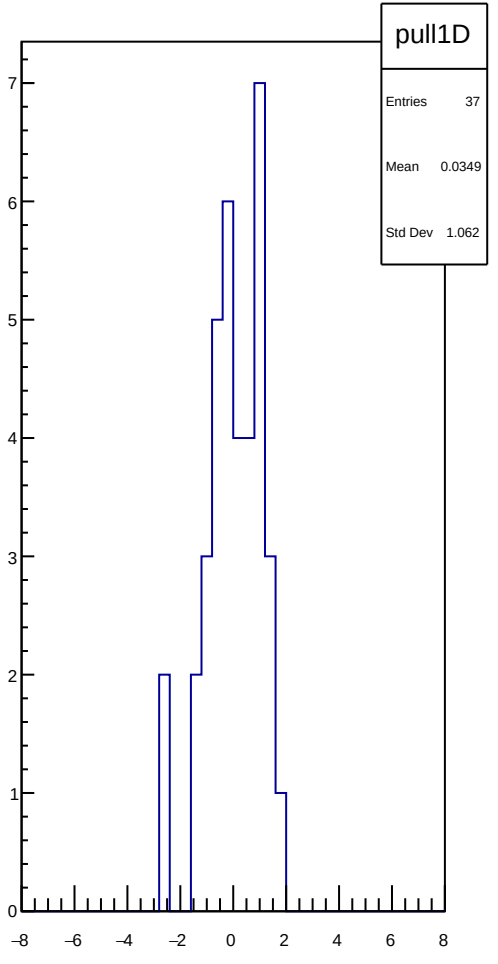

pull1D
Entries 37
Mean −0.02276
Std Dev 1.115
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

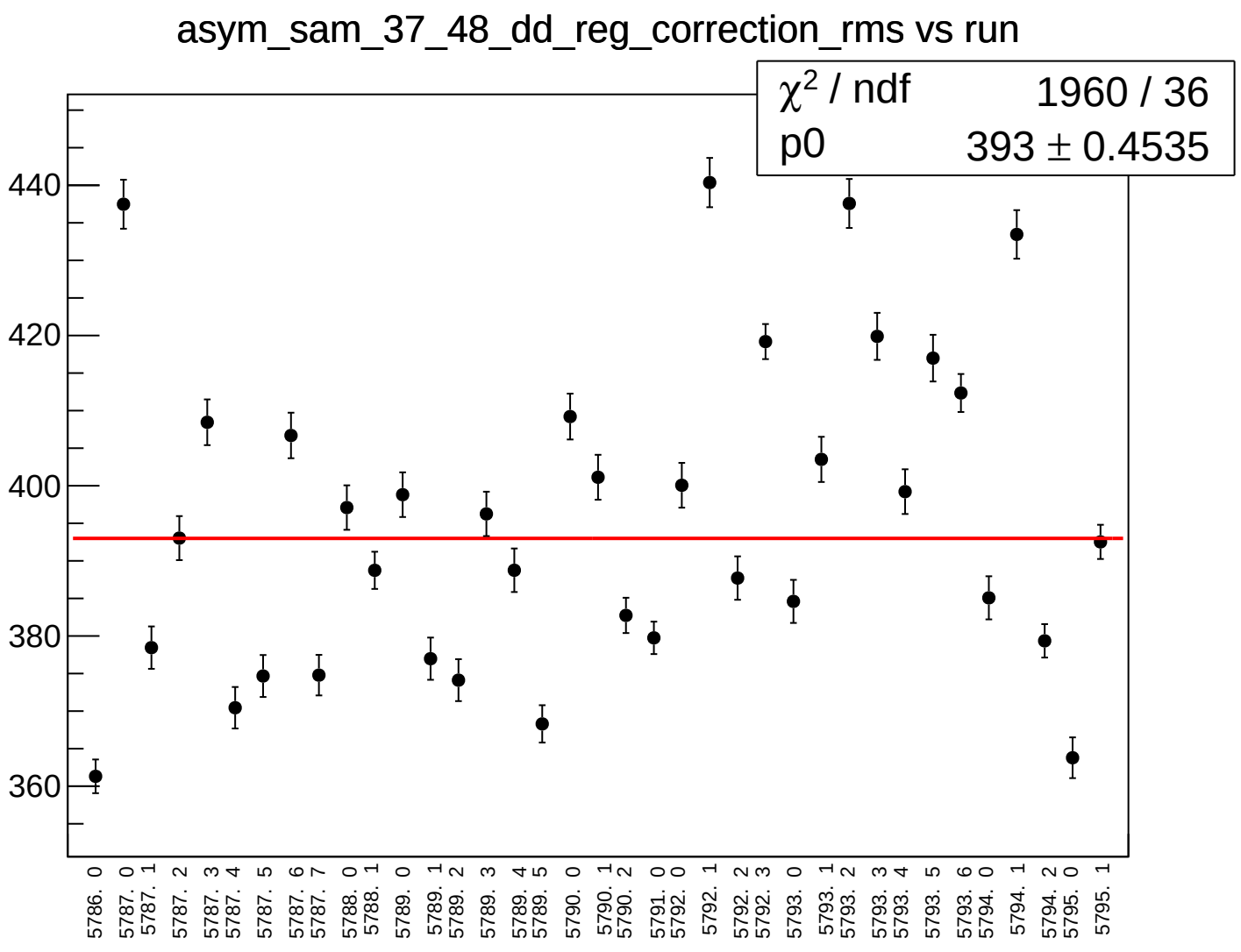

asym_sam_15_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.092e+05 / 36
p0 1.829e−11 ± 2.48e−14
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

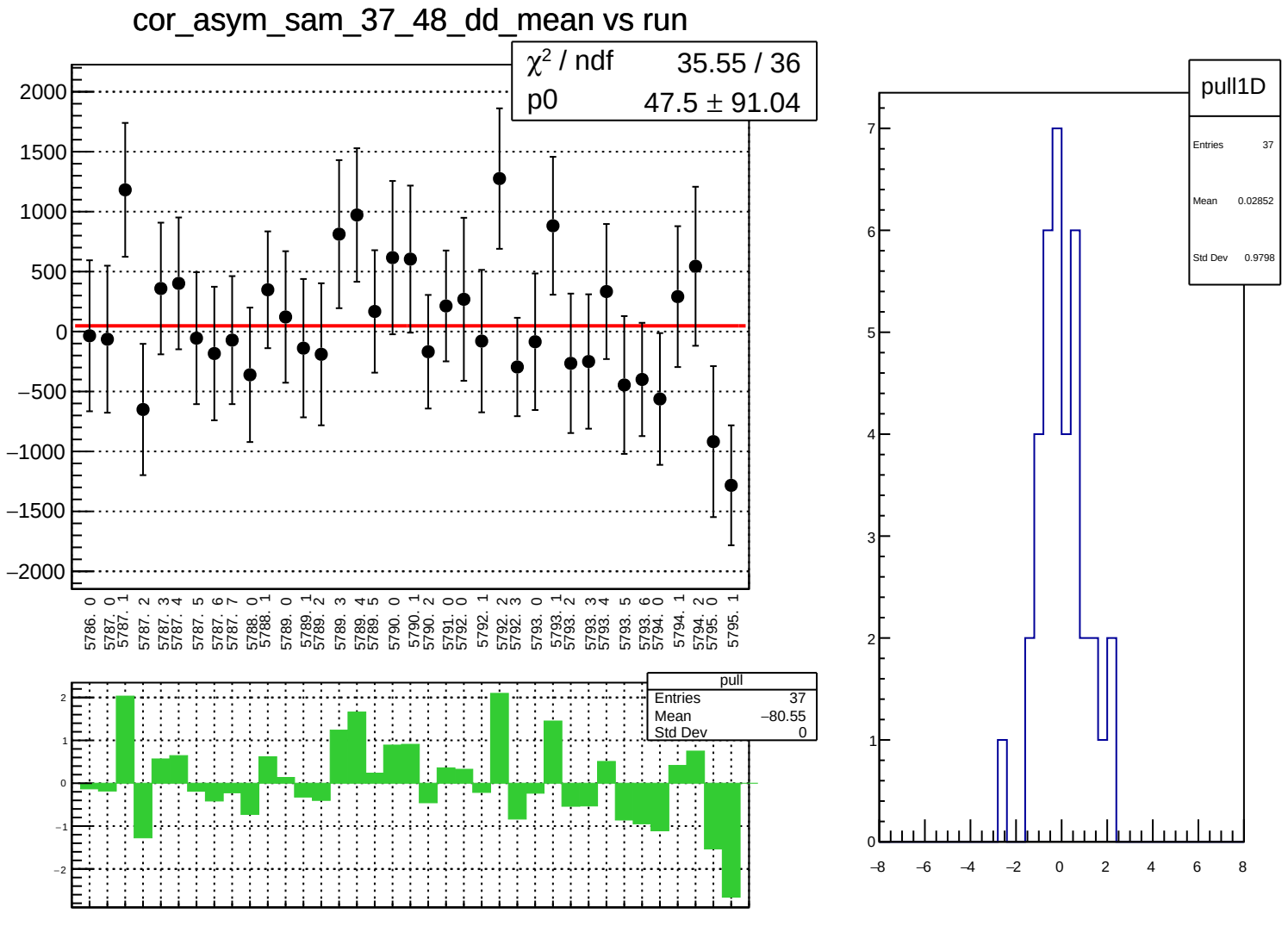

reg_asym_sam_37_48_dd_mean vs run
χ² / ndf 35.55 / 36
p0 47.47 ± 91.04
pull
Entries 37
Mean −80.55
Std Dev 0
pull1D
Entries 37
Mean 0.02851
Std Dev 0.9798

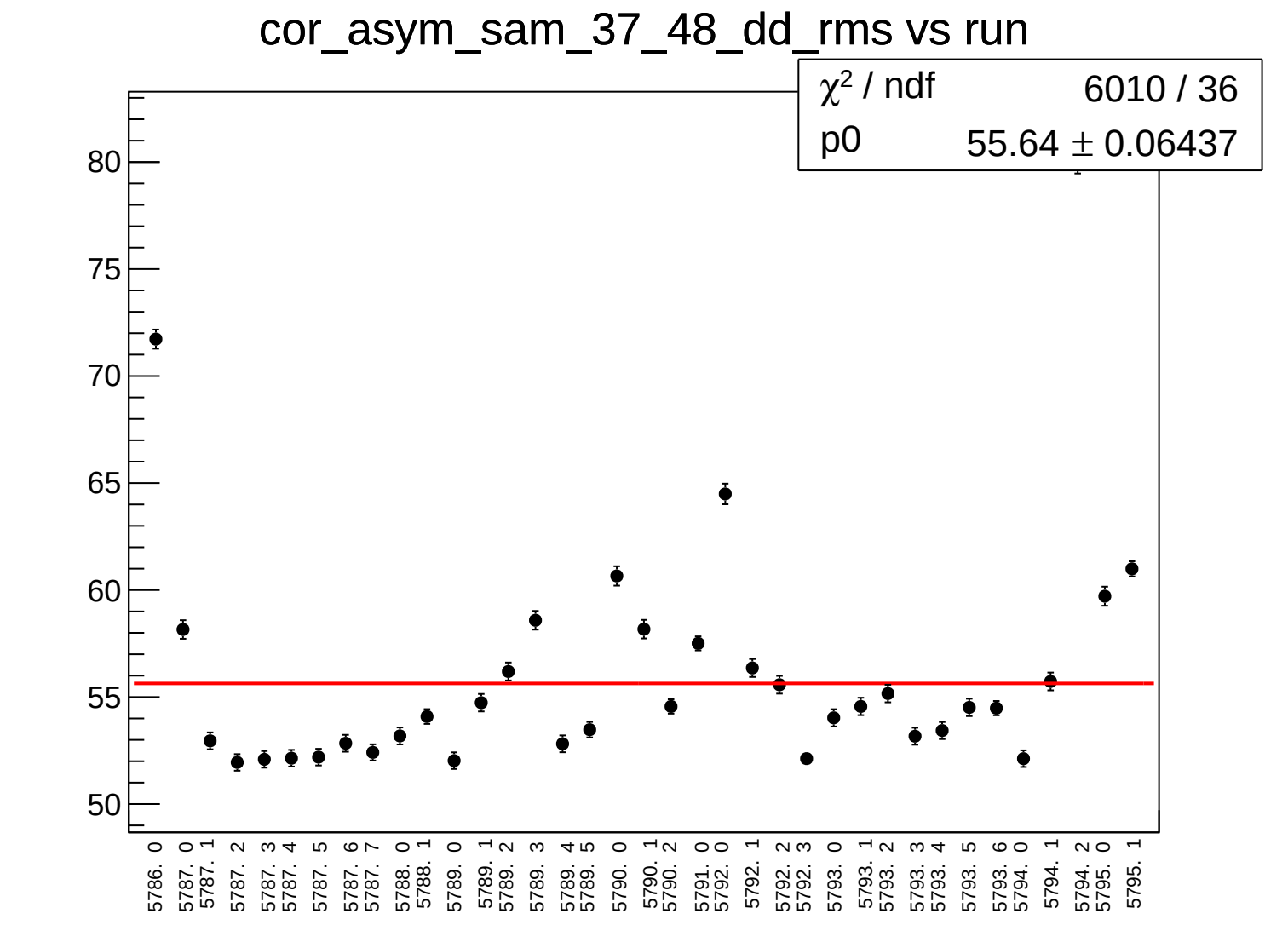

reg_asym_sam_37_48_dd_rms vs run
χ² / ndf 6010 / 36
p0 55.64 ± 0.06437
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

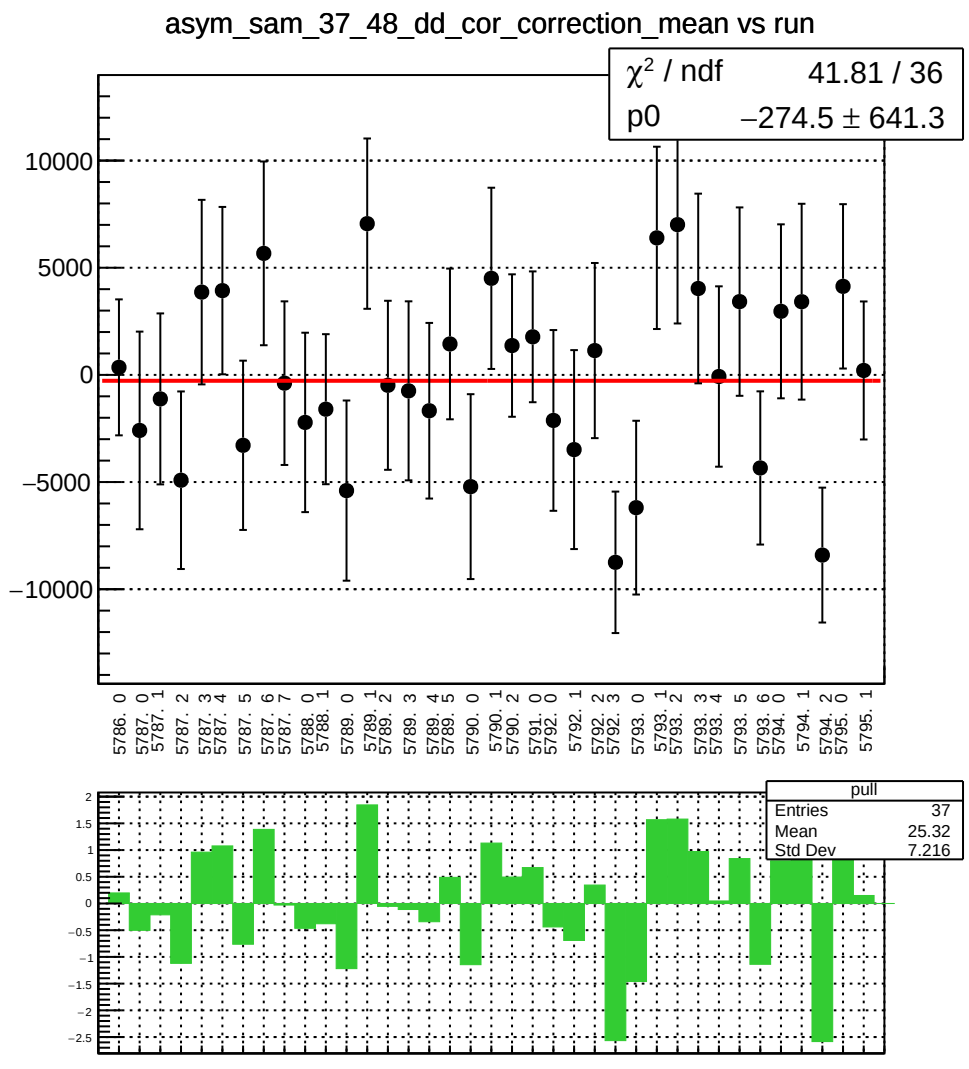

asym_sam_37_48_dd_reg_correction_mean vs run
χ² / ndf 41.81 / 36
p0 −274.5 ± 641.3
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.32
Std Dev 7.213
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

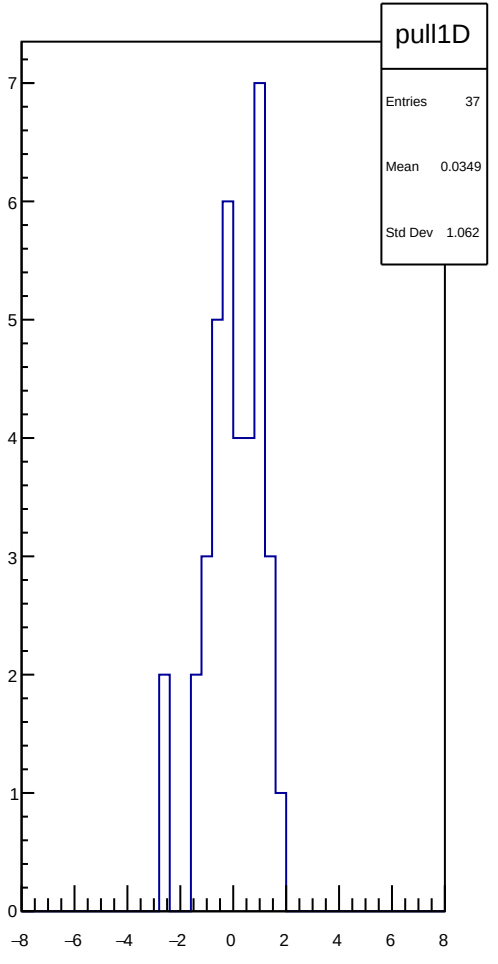

pull1D
Entries 37
Mean 0.0349
Std Dev 1.062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

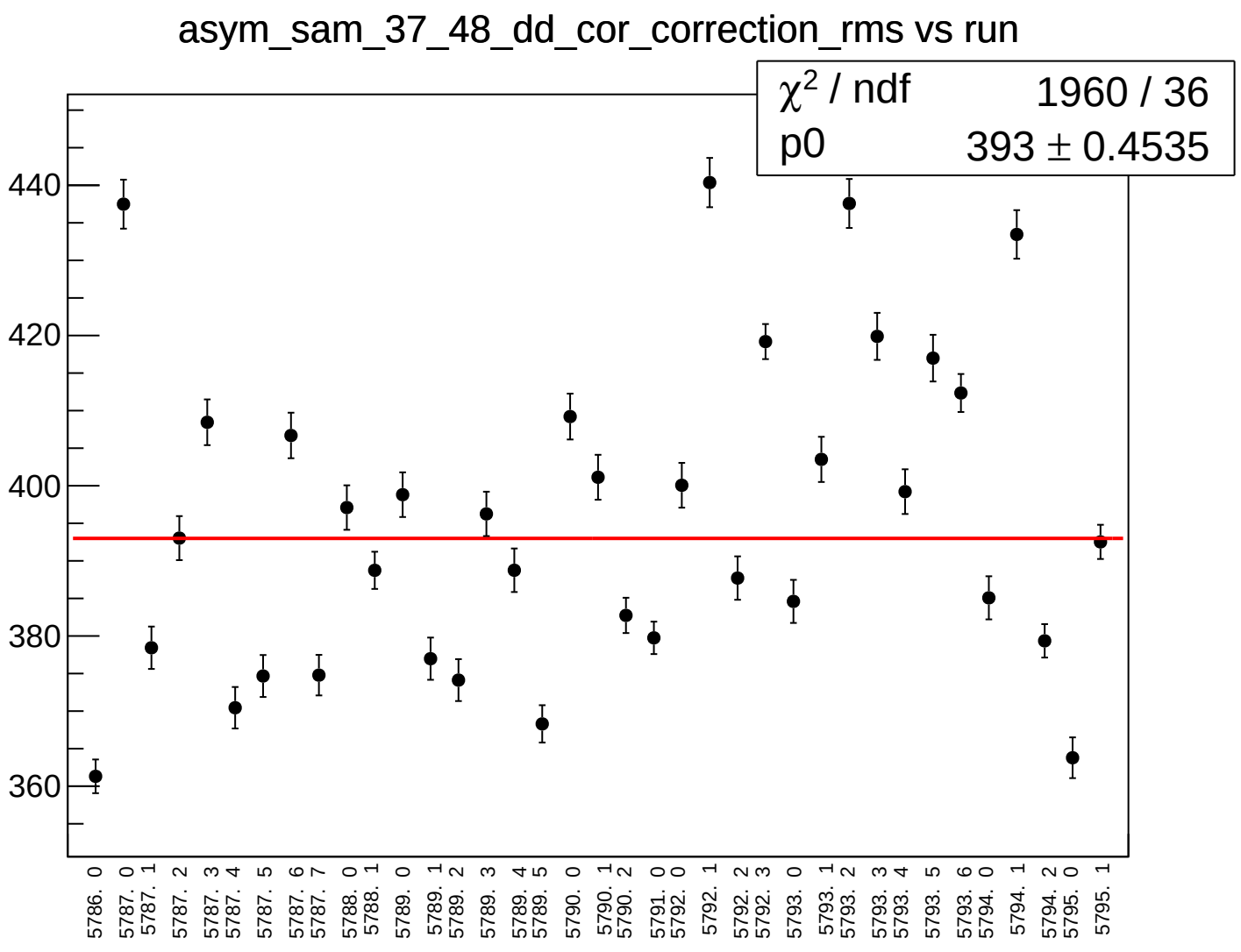

asym_sam_37_48_dd_reg_correction_rms vs run
χ² / ndf 1960 / 36
p0 393 ± 0.4535
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

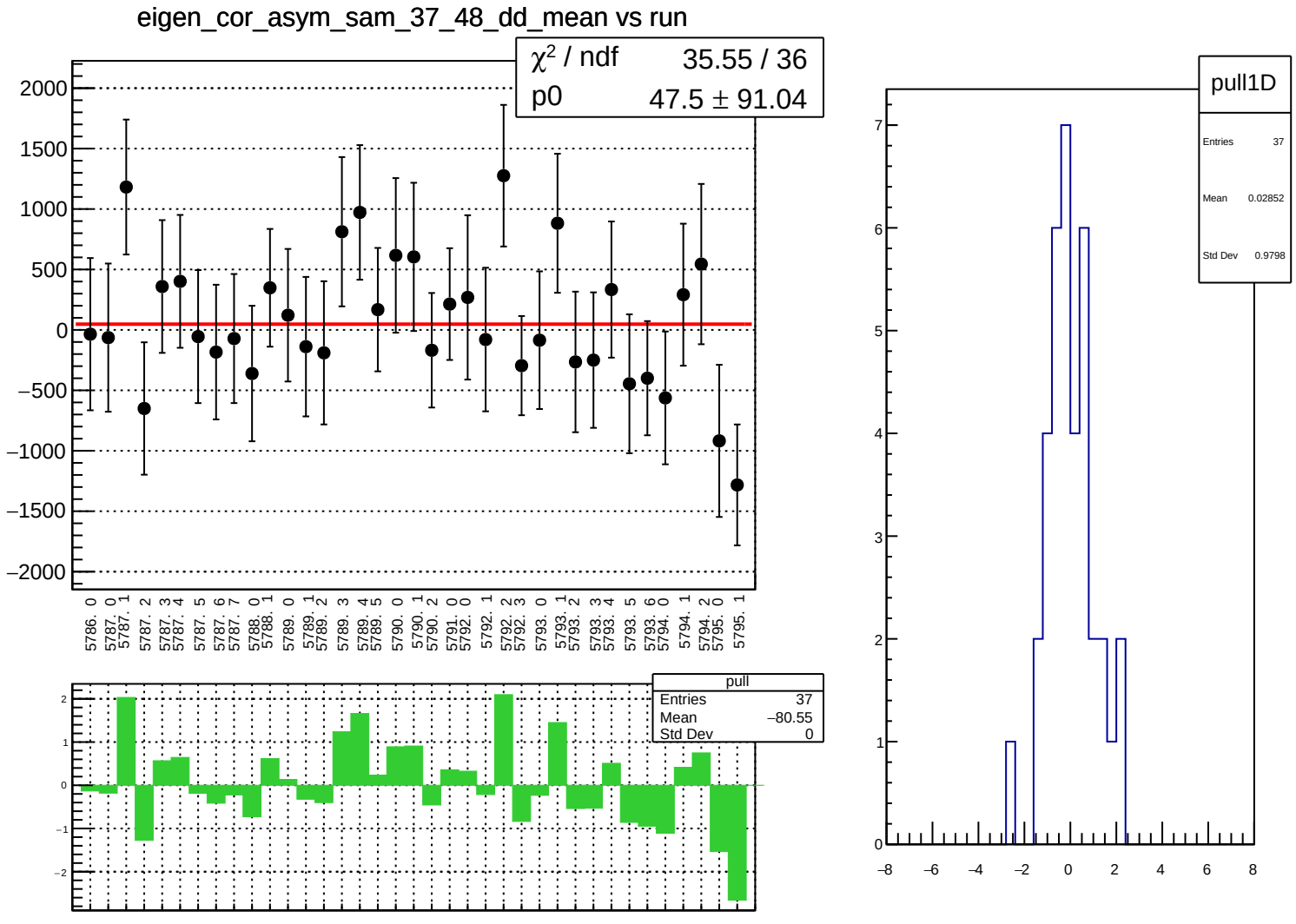

cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 35.55 / 36
p0 47.5 ± 91.04
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −80.55
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02852
Std Dev 0.9798
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

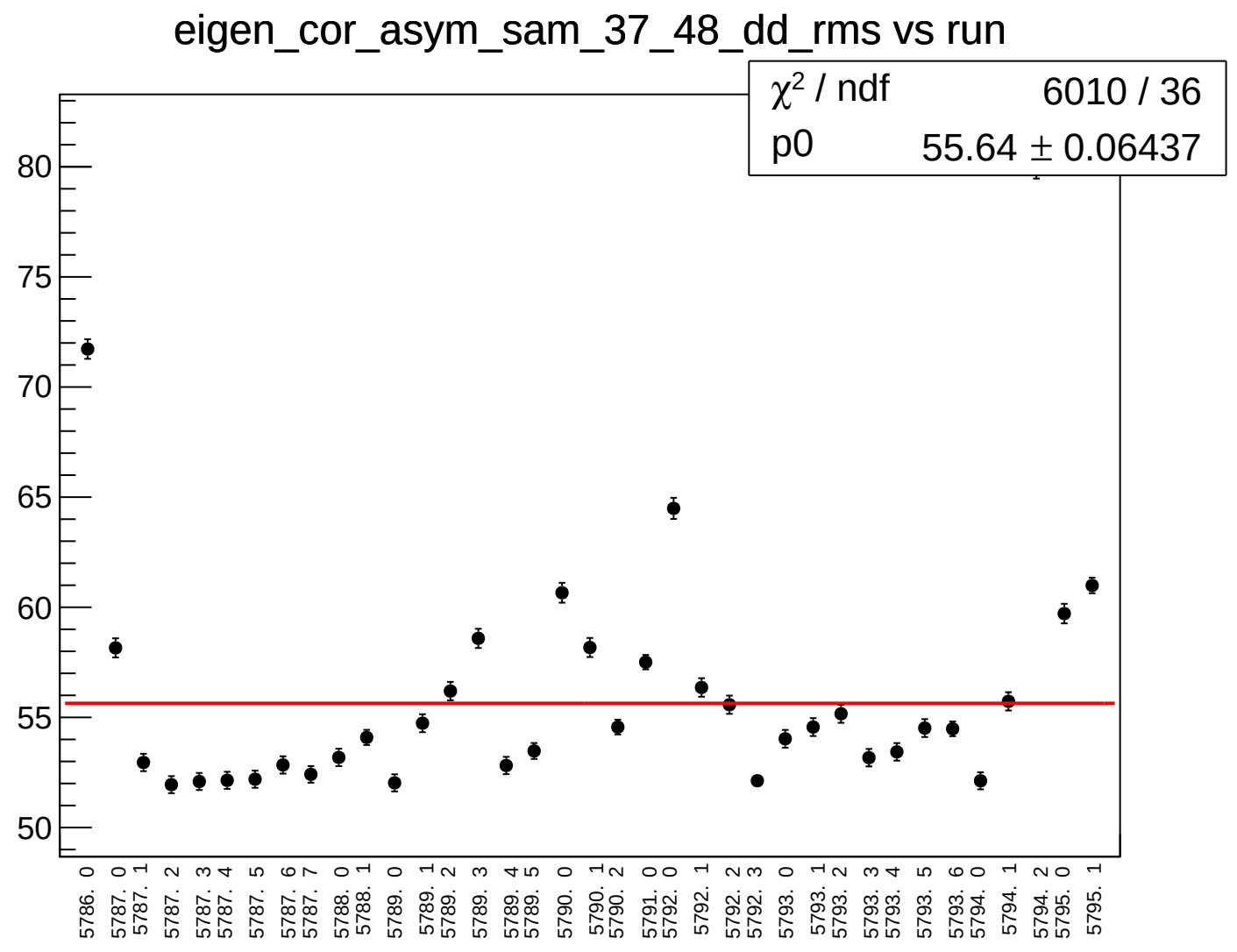

cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 6010 / 36
p0 55.64 ± 0.06437
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

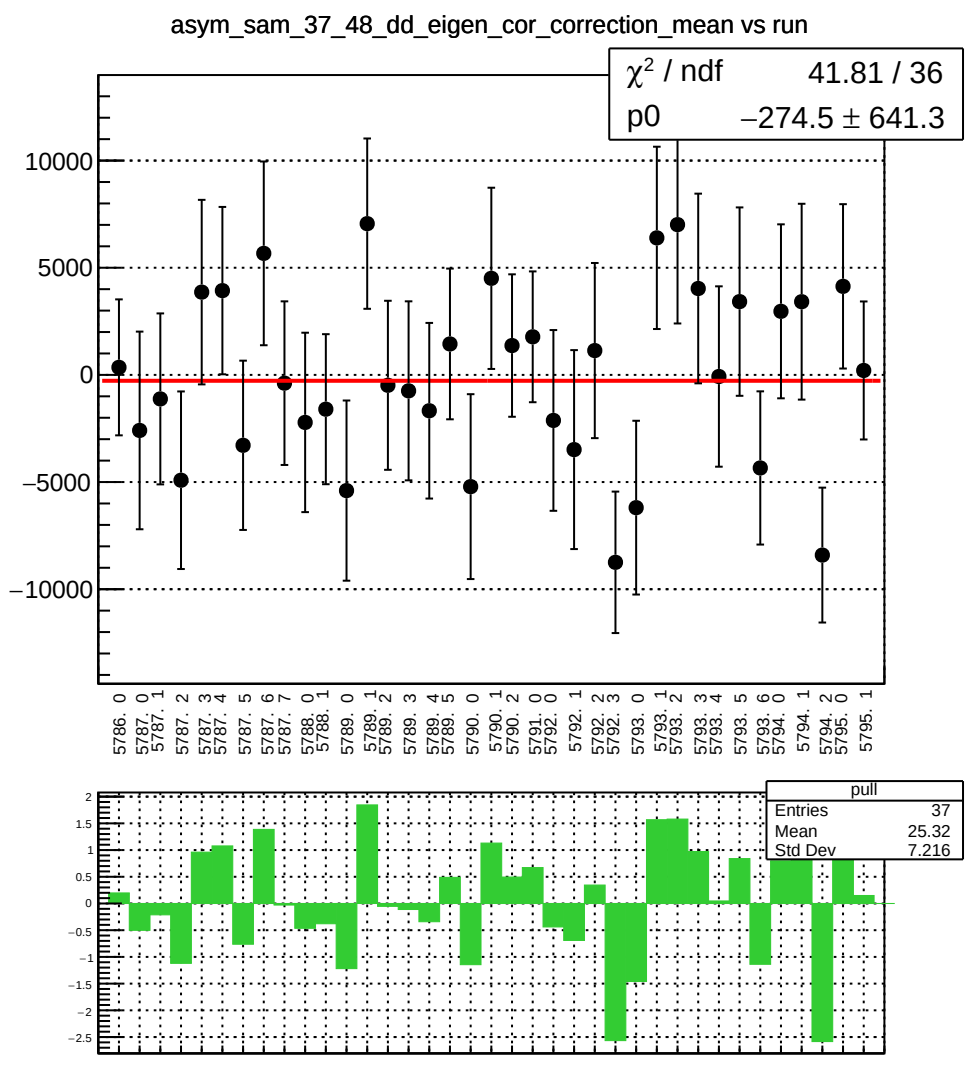

asym_sam_37_48_dd_cor_correction_mean vs run
χ² / ndf 41.81 / 36
p0 −274.5 ± 641.3
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.32
Std Dev 7.216
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

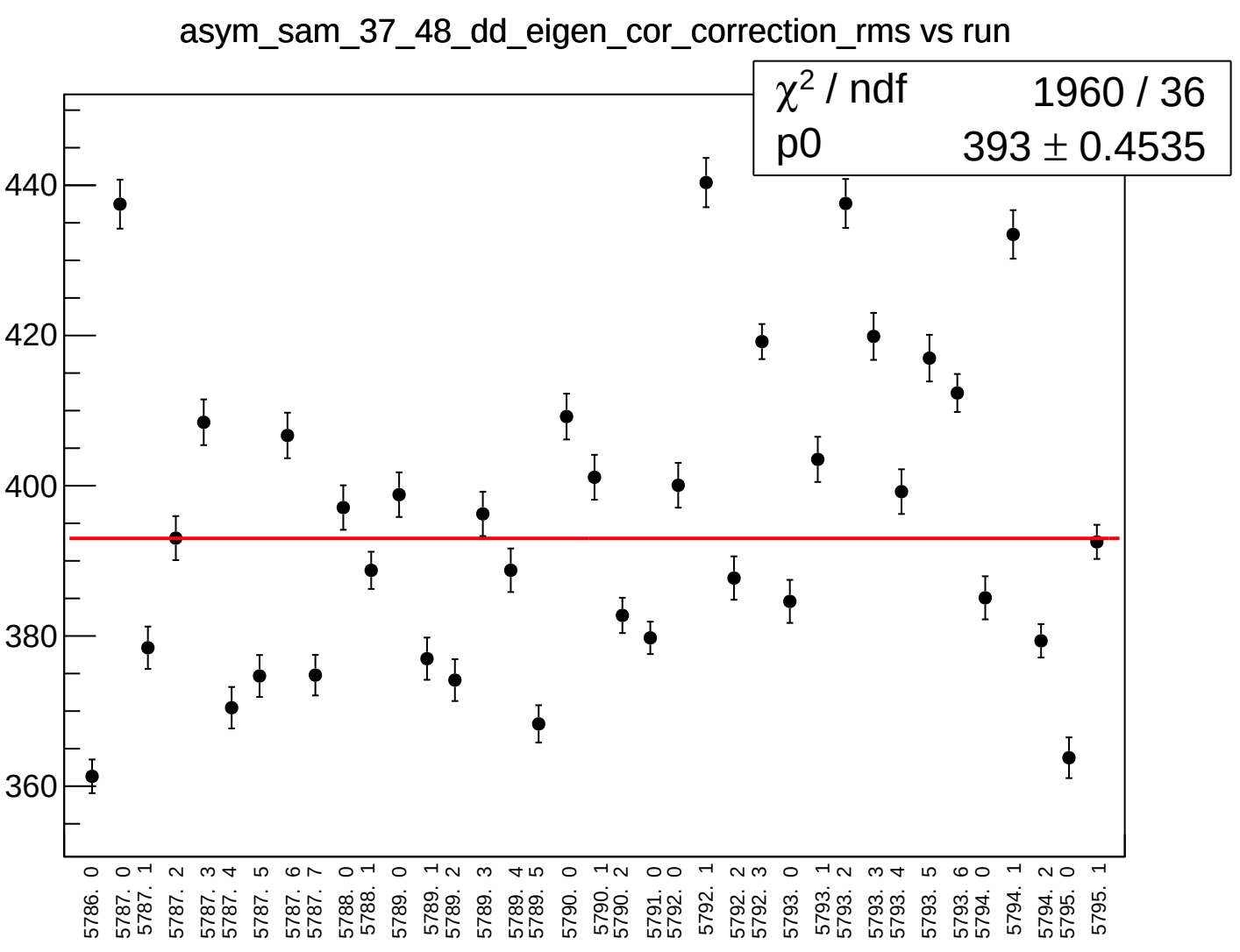

pull1D
Entries 37
Mean 0.0349
Std Dev 1.062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

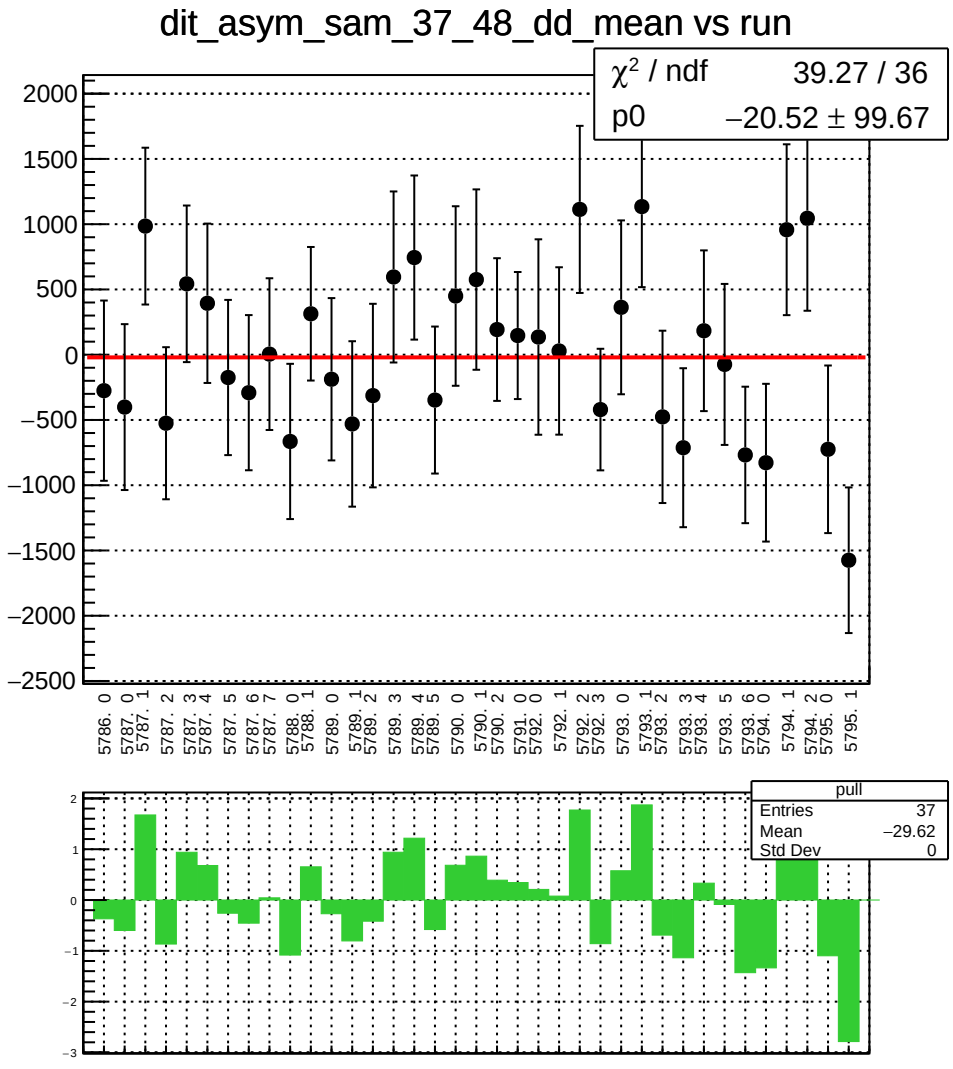

asym_sam_37_48_dd_cor_correction_rms vs run
χ² / ndf 1960 / 36
p0 393 ± 0.4535
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

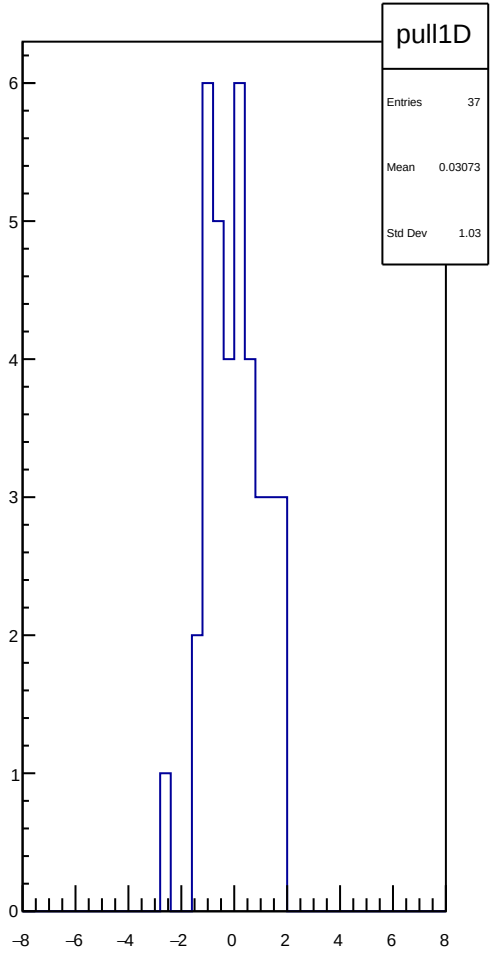

eigen_cor_asym_sam_37_48_dd_mean vs run
χ² / ndf 35.55 / 36
p0 47.5 ± 91.04
2000
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −80.55
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.02852
Std Dev 0.9798
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

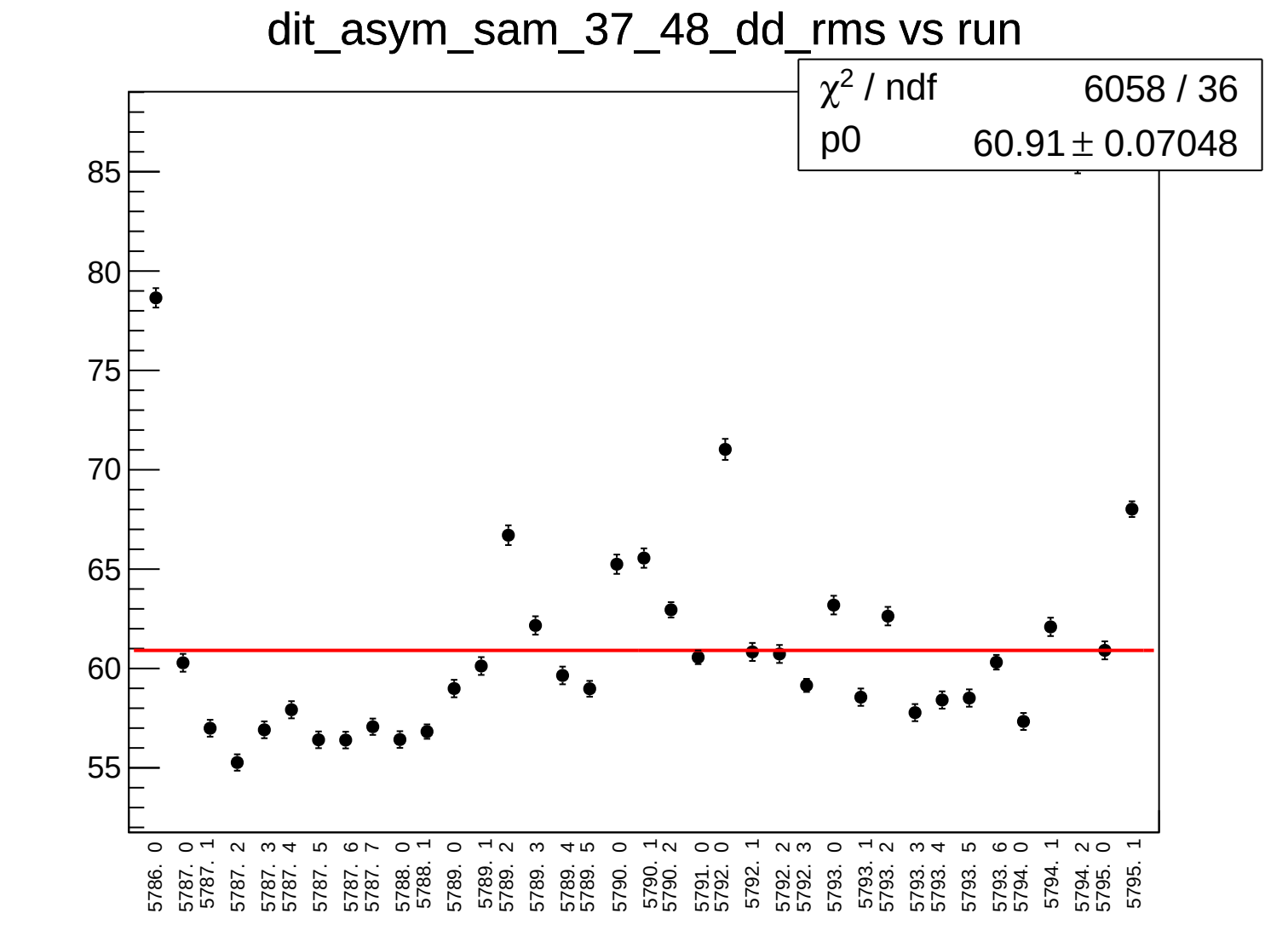

eigen_cor_asym_sam_37_48_dd_rms vs run
χ² / ndf 6010 / 36
p0 55.64 ± 0.06437
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

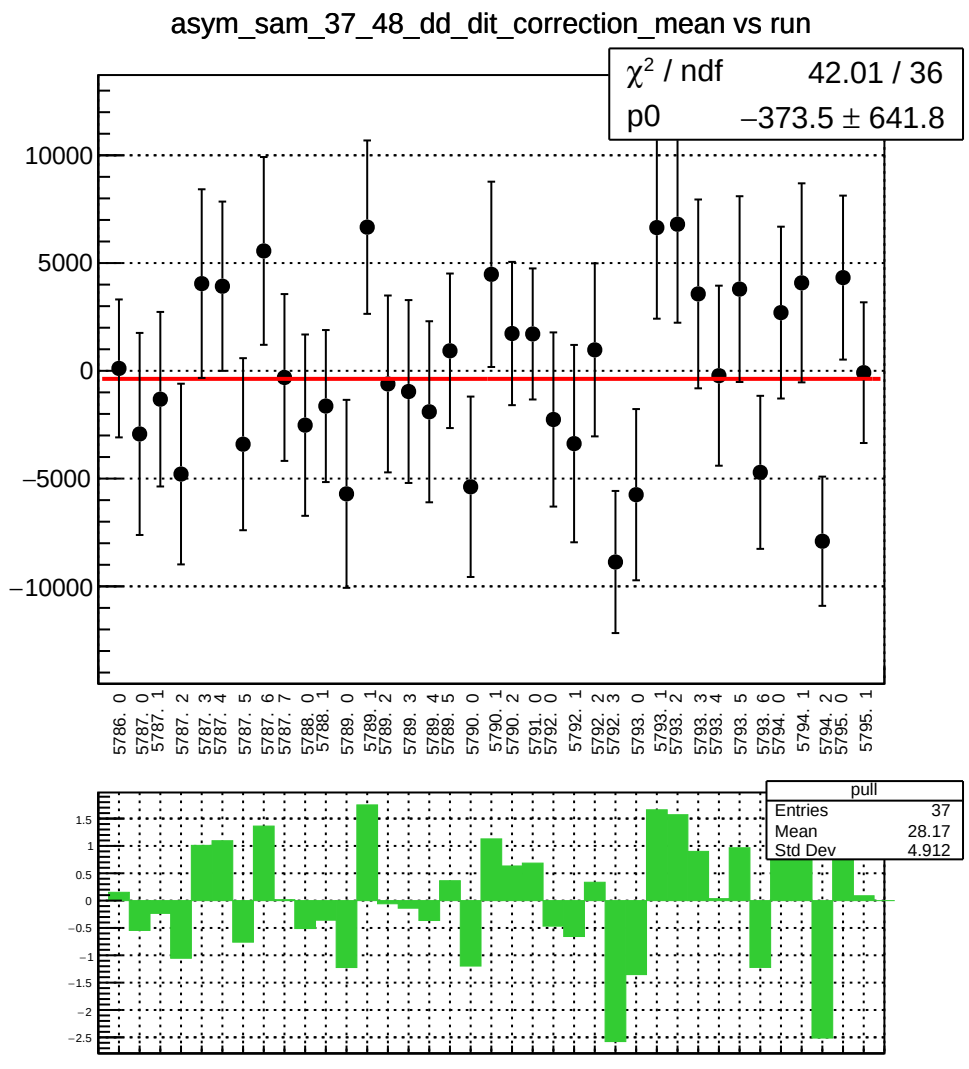

asym_sam_37_48_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.81 / 36
p0 −274.5 ± 641.3
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.32
Std Dev 7.216
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.0349
Std Dev 1.062
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

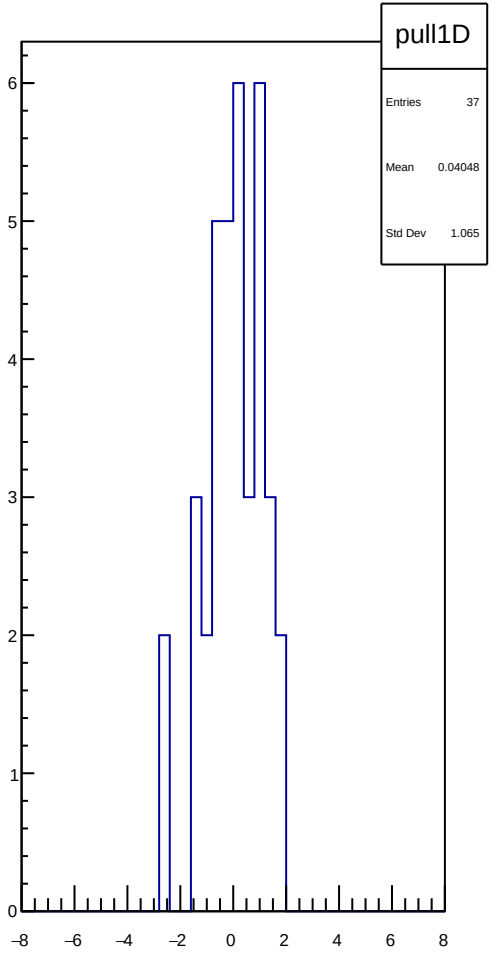

asym_sam_37_48_dd_eigen_cor_correction_rms vs run
χ² / ndf 1960 / 36
p0 393 ± 0.4535
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

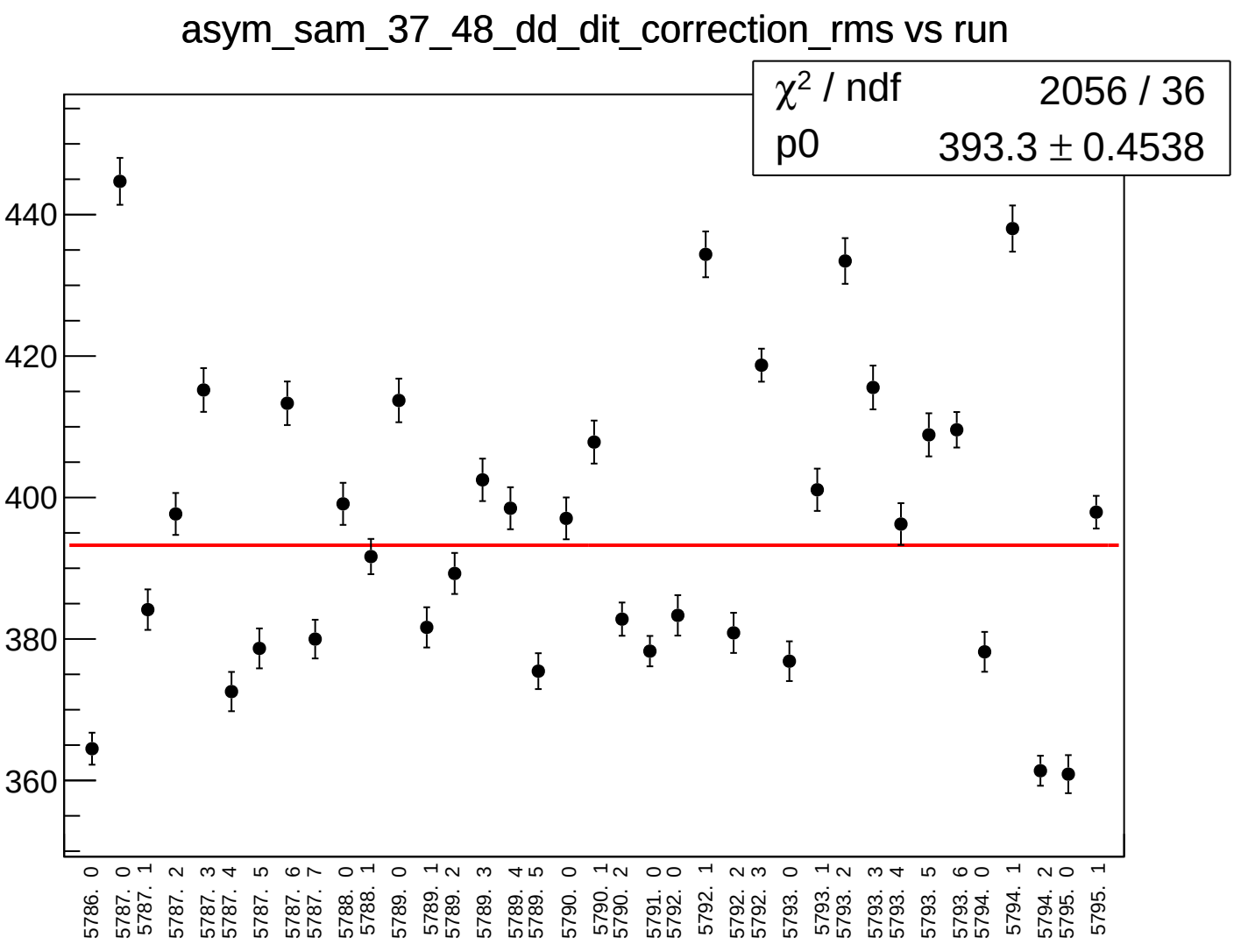

dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 39.27 / 36
p0 −20.52 ± 99.67
pull
Entries 37
Mean −29.62
Std Dev 0

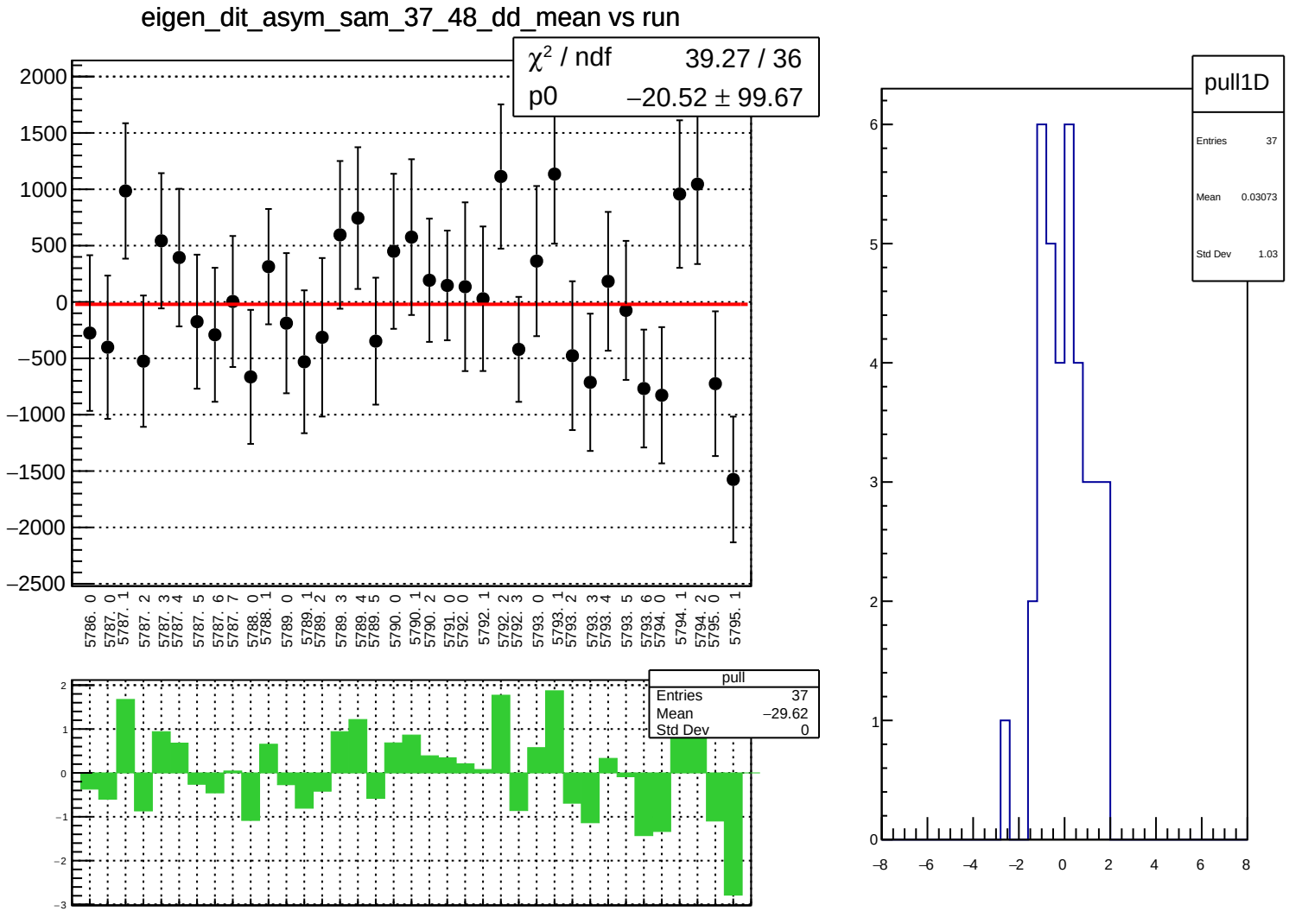

pull1D
Entries 37
Mean 0.03073
Std Dev 1.03

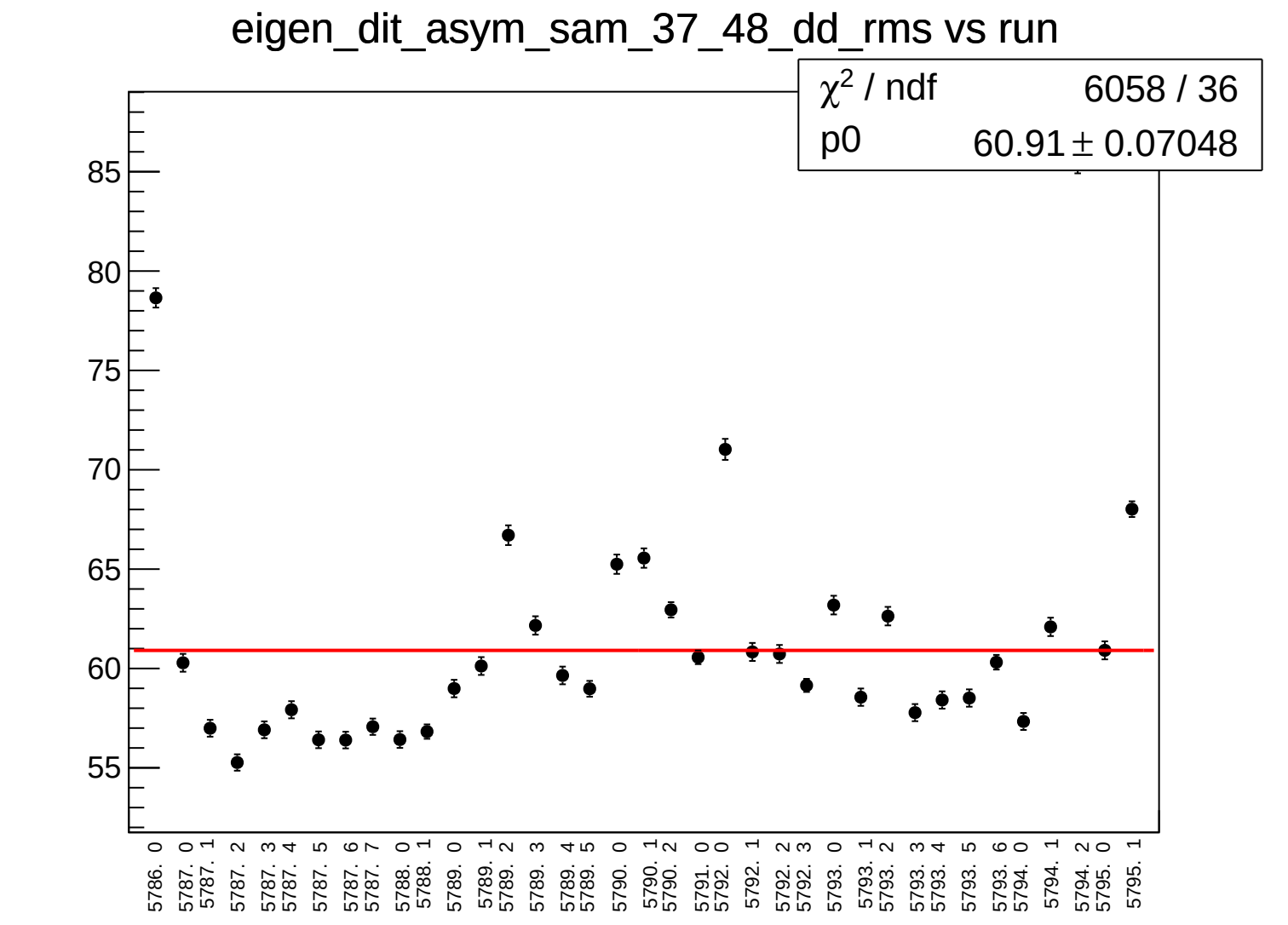

dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 6058 / 36
p0 60.91 ± 0.07048
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

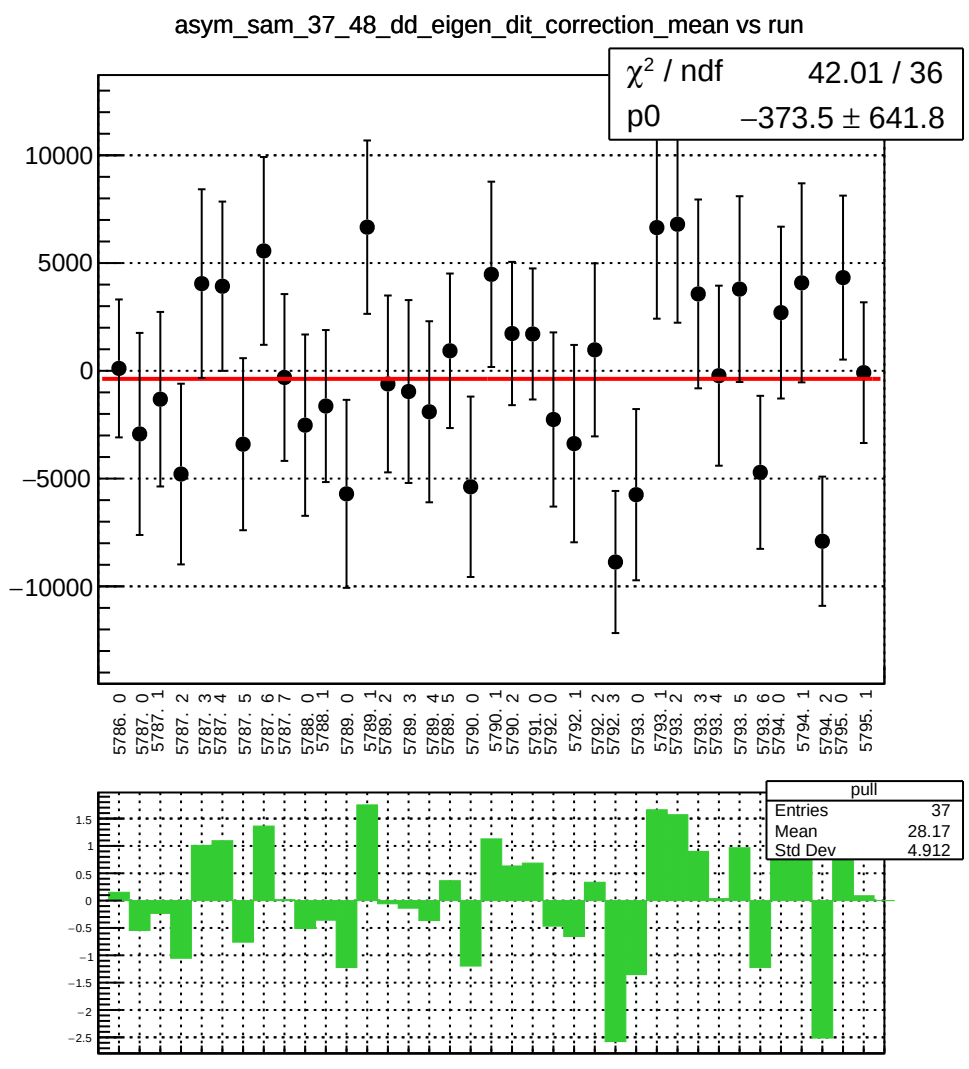

asym_sam_37_48_dd_dit_correction_mean vs run
χ² / ndf 42.01 / 36
p0 −373.5 ± 641.8
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.17
Std Dev 4.912
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

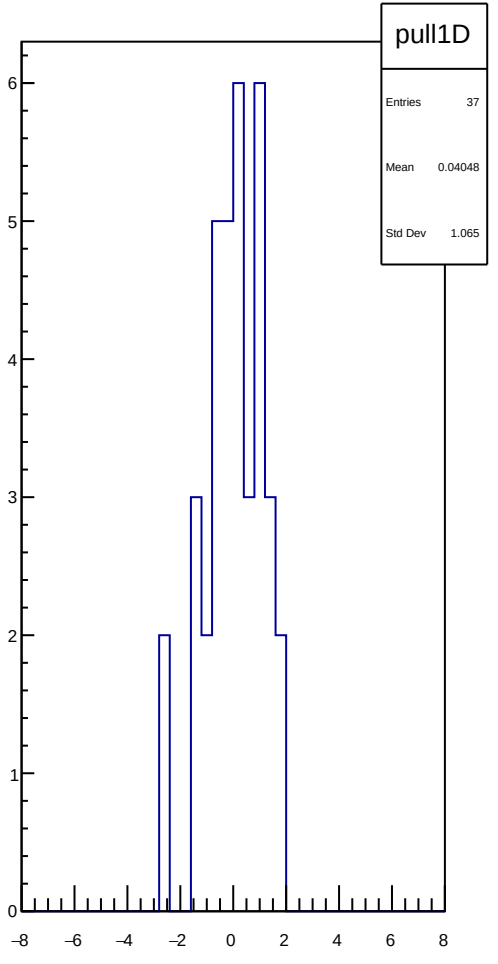

pull1D
Entries 37
Mean 0.04048
Std Dev 1.065
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

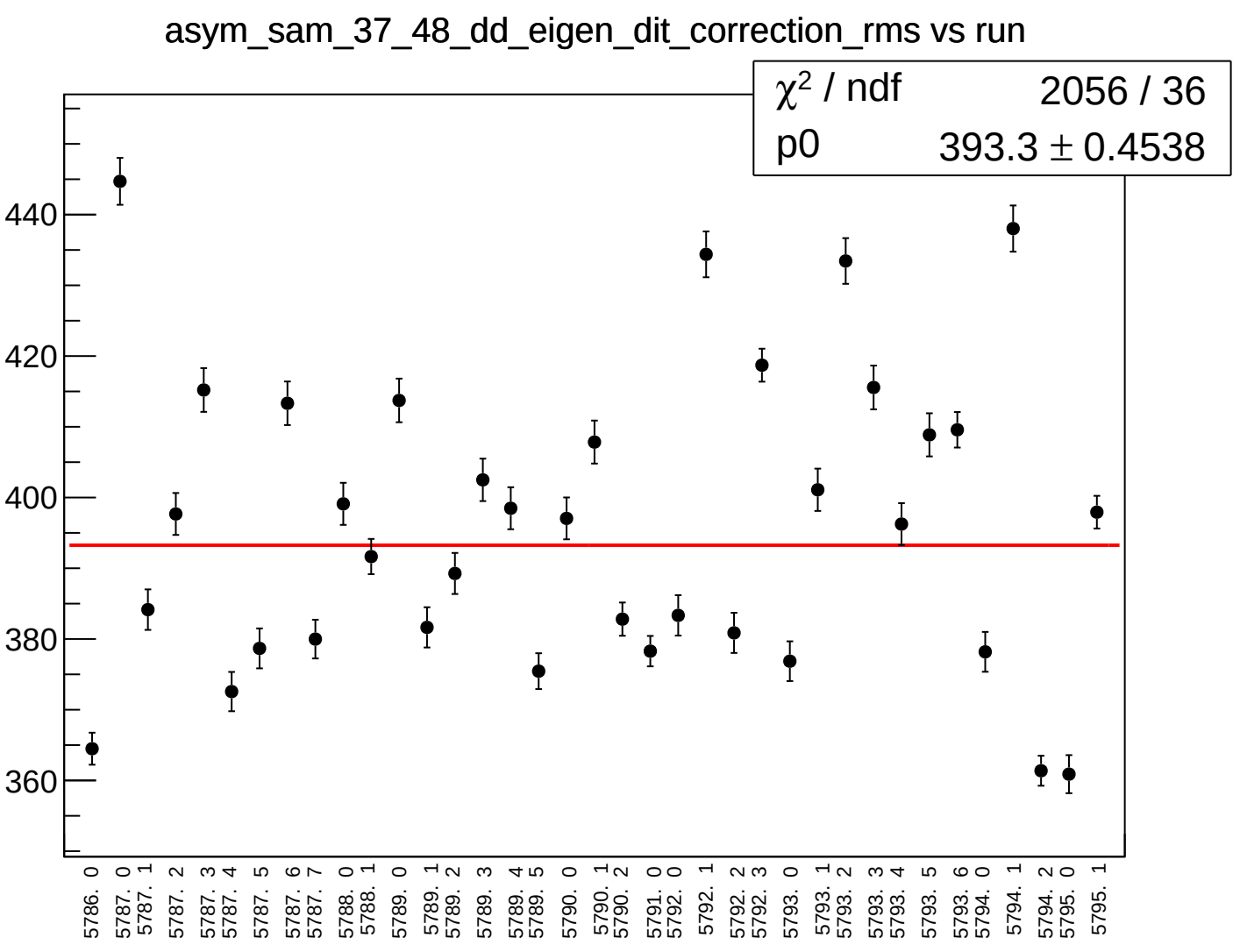

asym_sam_37_48_dd_dit_correction_rms vs run
χ² / ndf 2056 / 36
p0 393.3 ± 0.4538
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

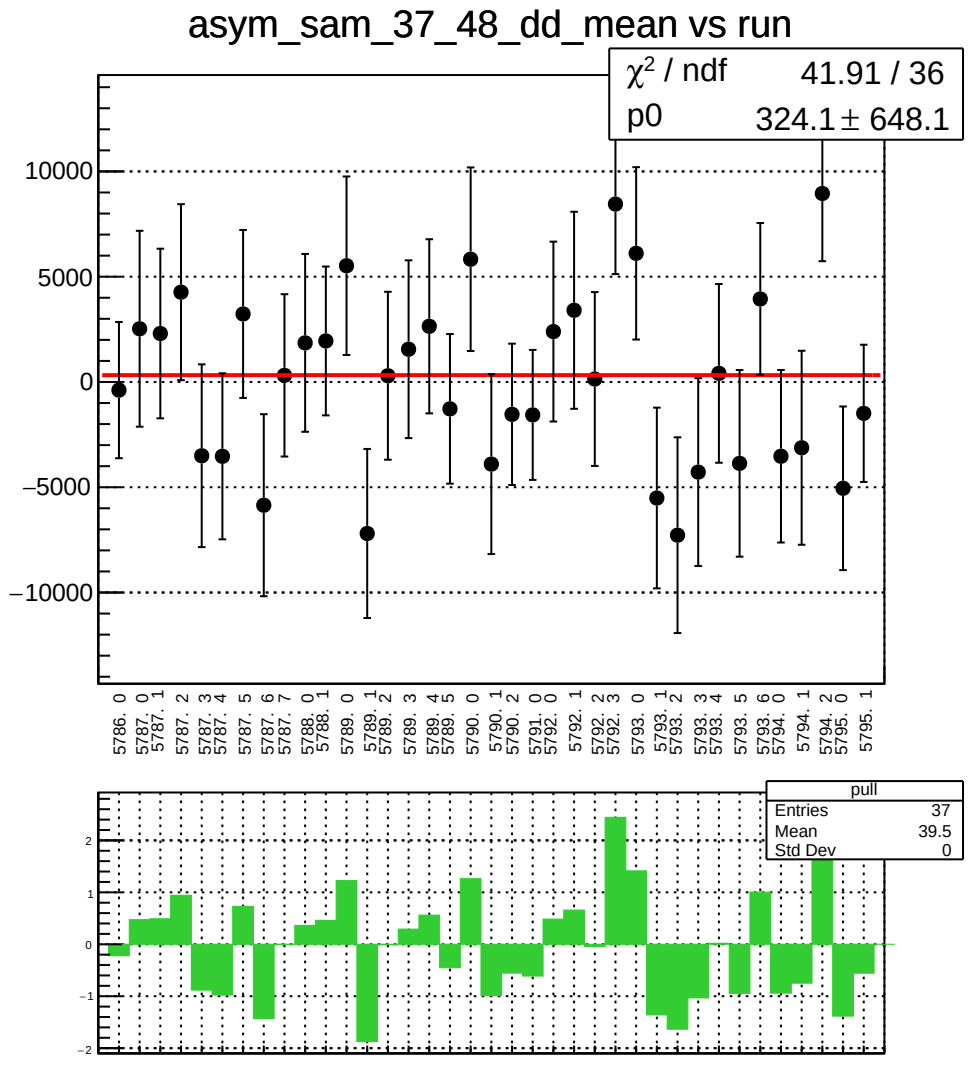

eigen_dit_asym_sam_37_48_dd_mean vs run
χ² / ndf 39.27 / 36
p0 −20.52 ± 99.67
pull
Entries 37
Mean −29.62
Std Dev 0
pull1D
Entries 37
Mean 0.03073
Std Dev 1.03

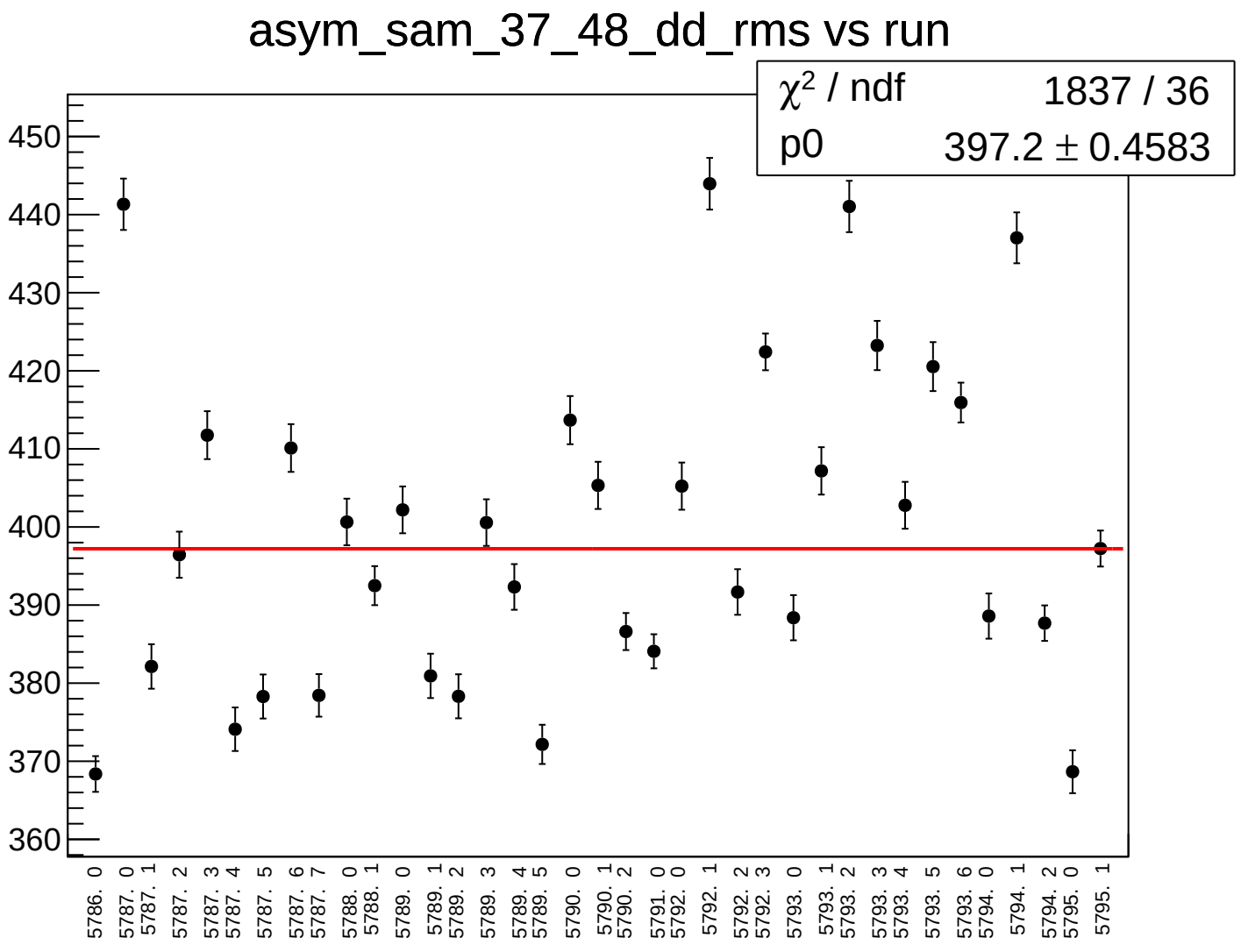

eigen_dit_asym_sam_37_48_dd_rms vs run
χ² / ndf 6058 / 36
p0 60.91 ± 0.07048
85
80
75
70
65
60
55
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

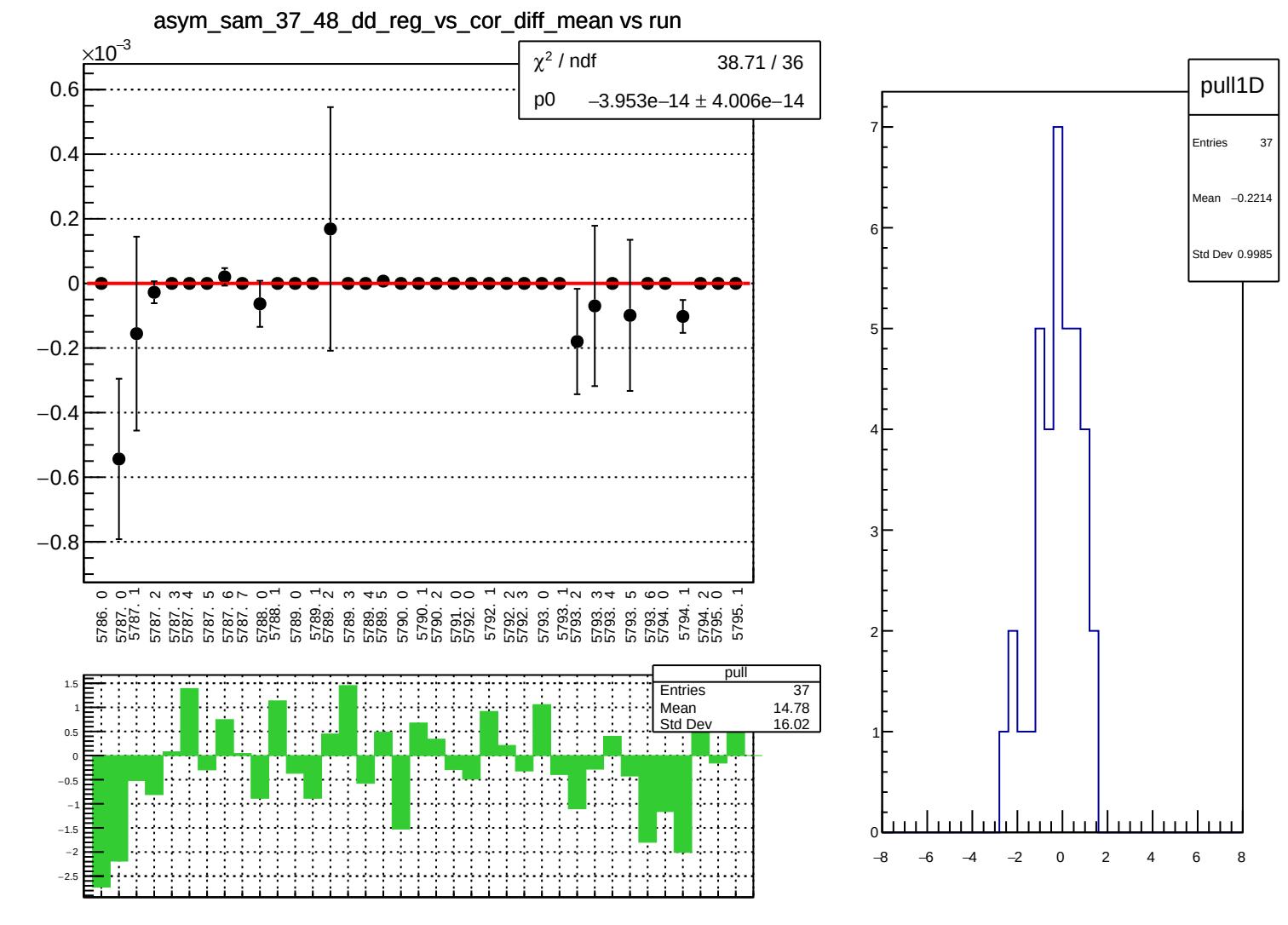

asym_sam_37_48_dd_eigen_dit_correction_mean vs run
χ² / ndf 42.01 / 36
p0 −373.5 ± 641.8
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 28.17
Std Dev 4.912
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

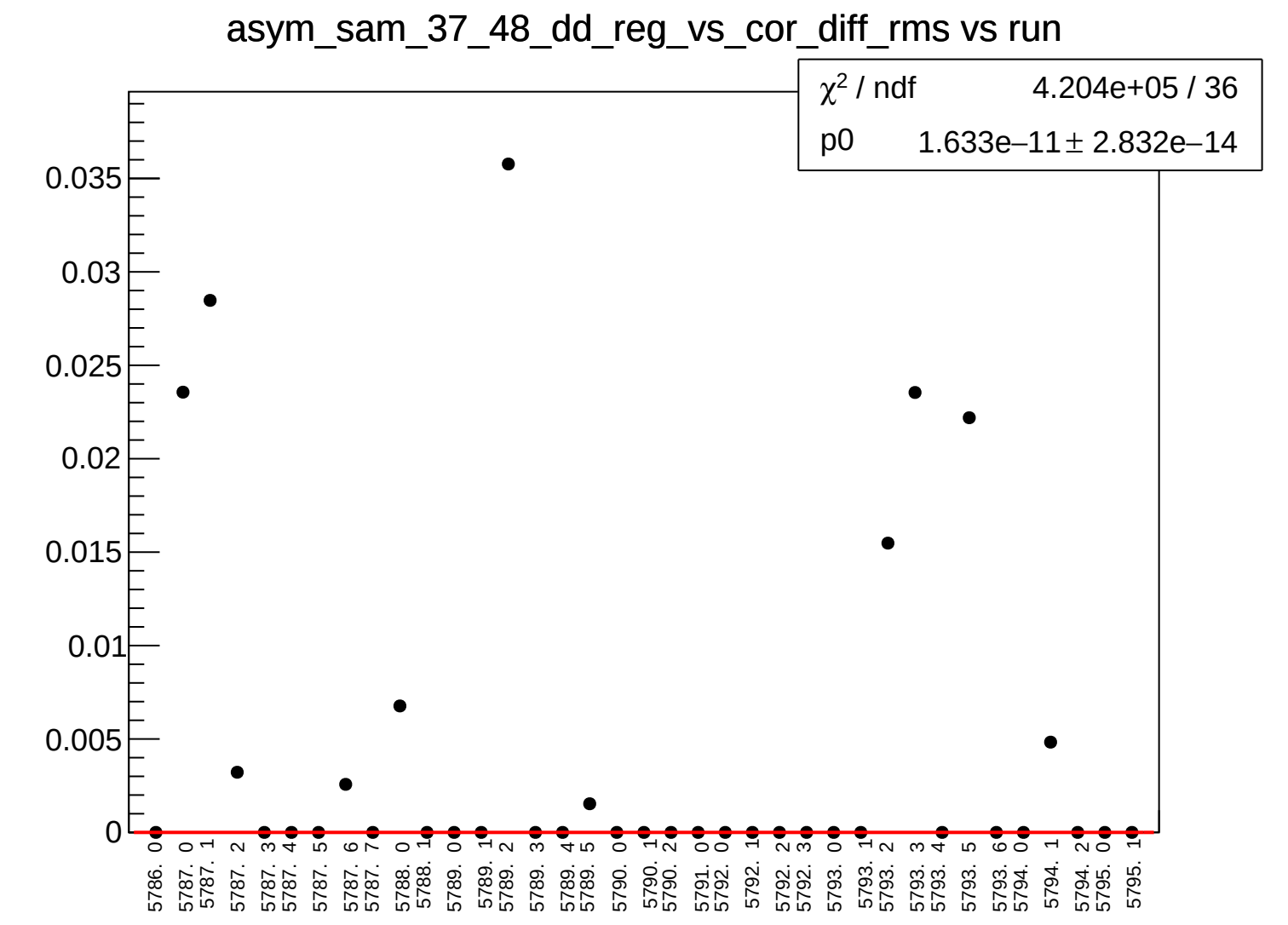

pull1D
Entries 37
Mean 0.04048
Std Dev 1.065
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

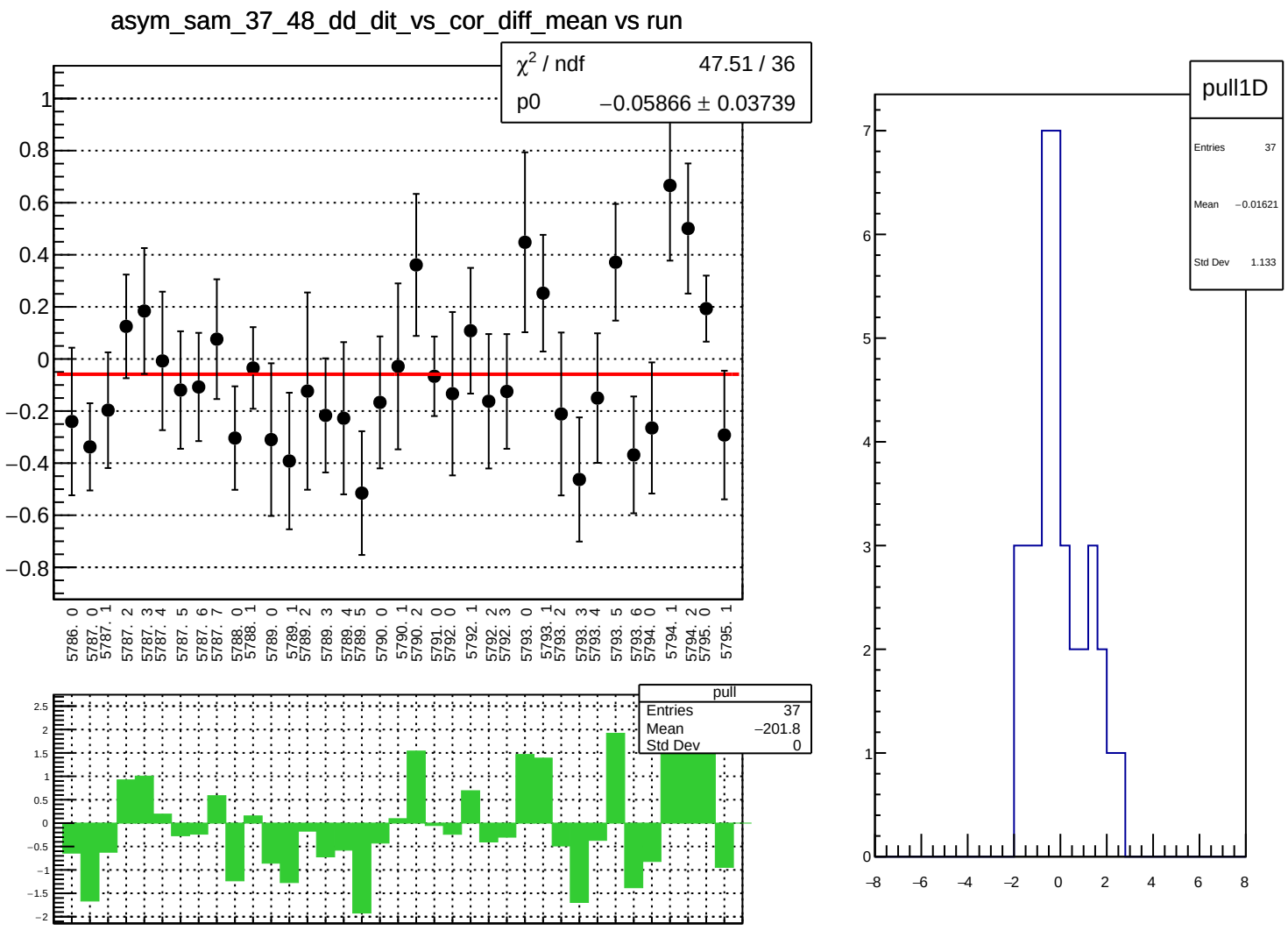

asym_sam_37_48_dd_eigen_dit_correction_rms vs run
χ² / ndf 2056 / 36
p0 393.3 ± 0.4538
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

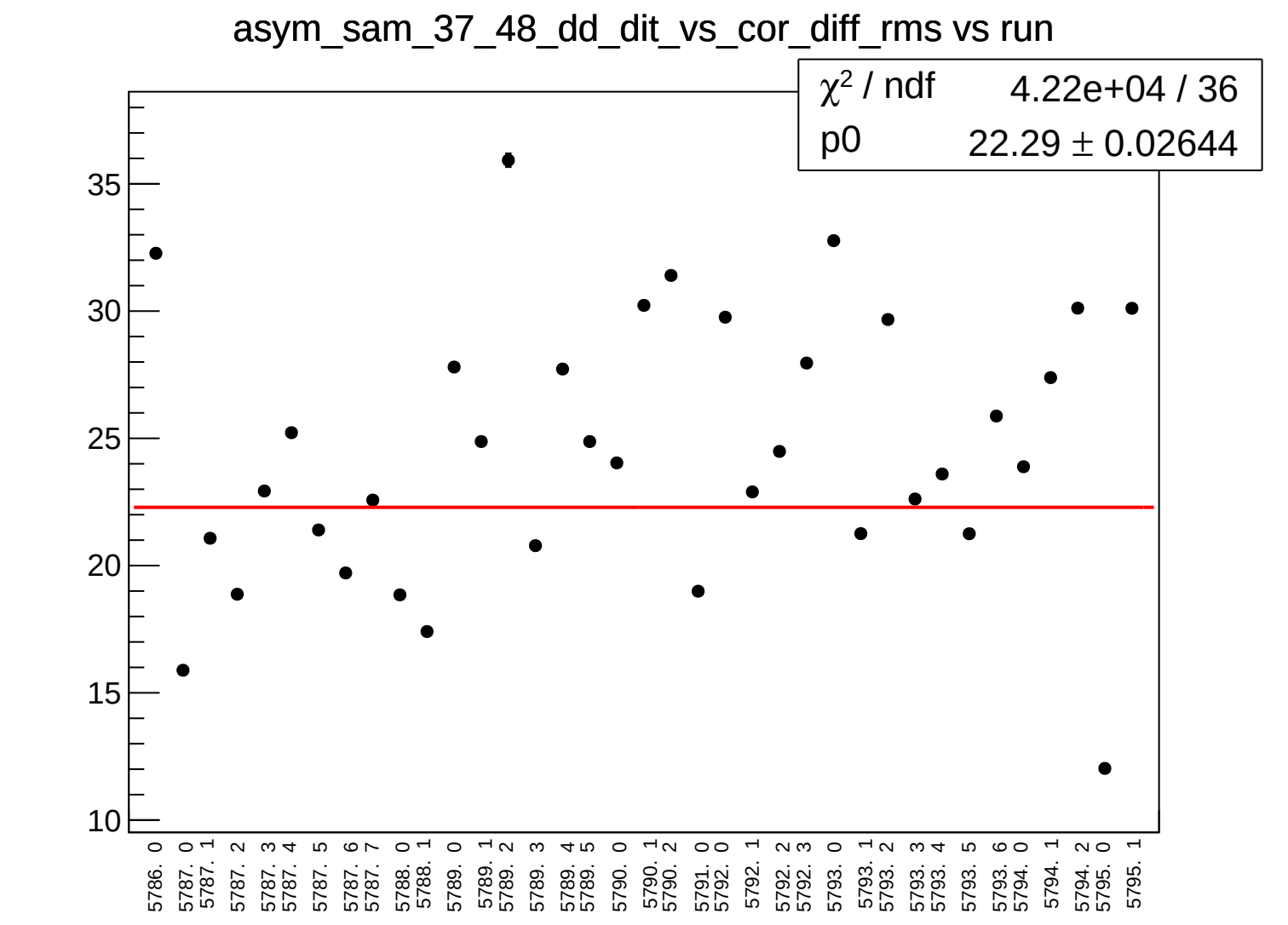

asym_sam_37_48_dd_mean vs run
χ² / ndf 41.91 / 36
p0 324.1 ± 648.1
10000
5000
0
−5000
−10000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.5
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03069
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

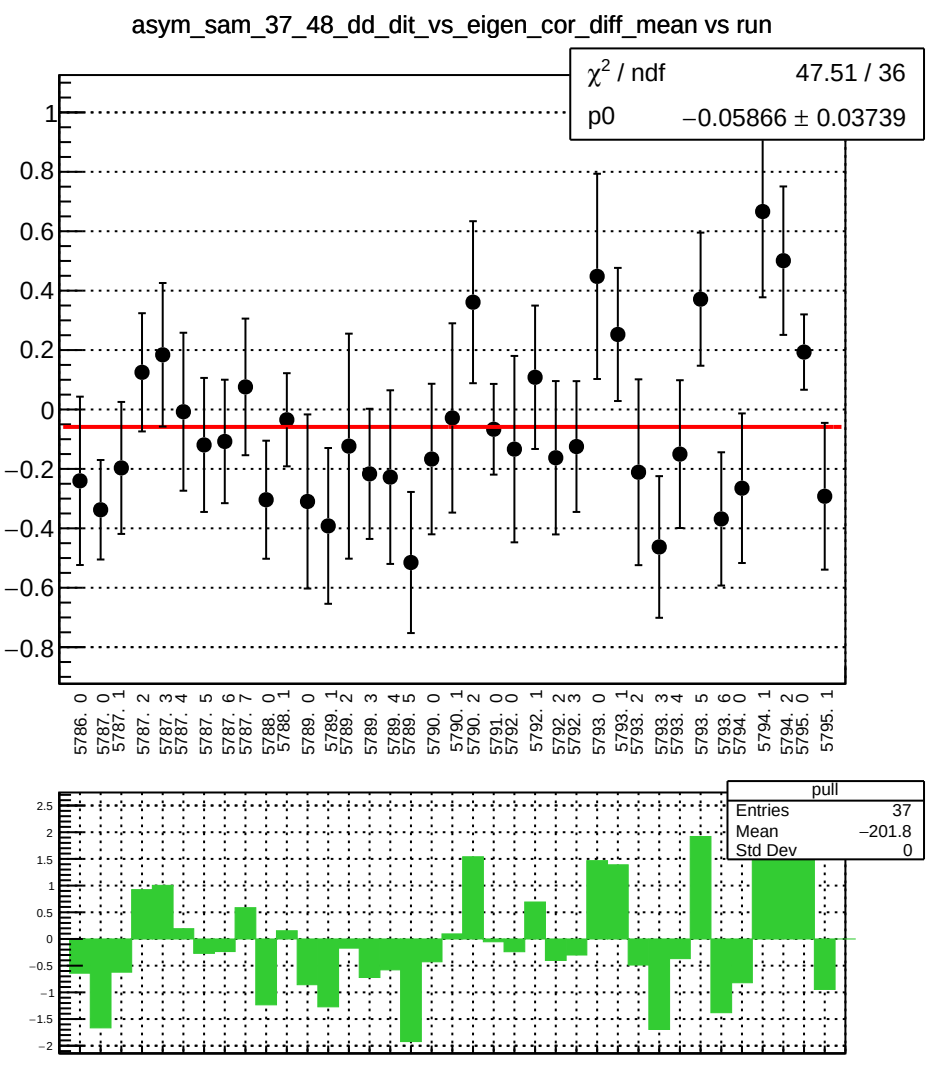

asym_sam_37_48_dd_rms vs run
χ² / ndf 1837 / 36
p0 397.2 ± 0.4583
450
440
430
420
410
400
390
380
370
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

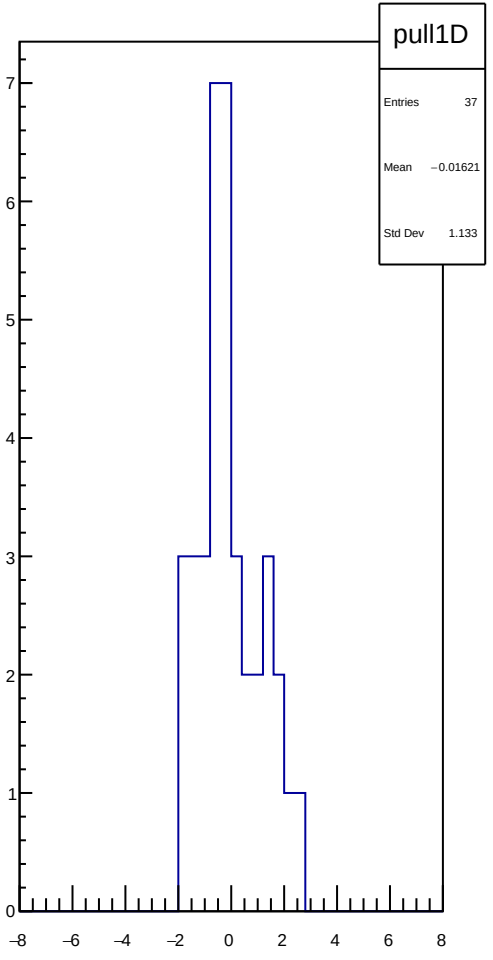

asym_sam_37_48_dd_reg_vs_cor_diff_mean vs run
×10^−3
χ² / ndf 38.71 / 36
p0 −3.953e−14 ± 4.006e−14
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.78
Std Dev 16.02
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.2214
Std Dev 0.9985
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

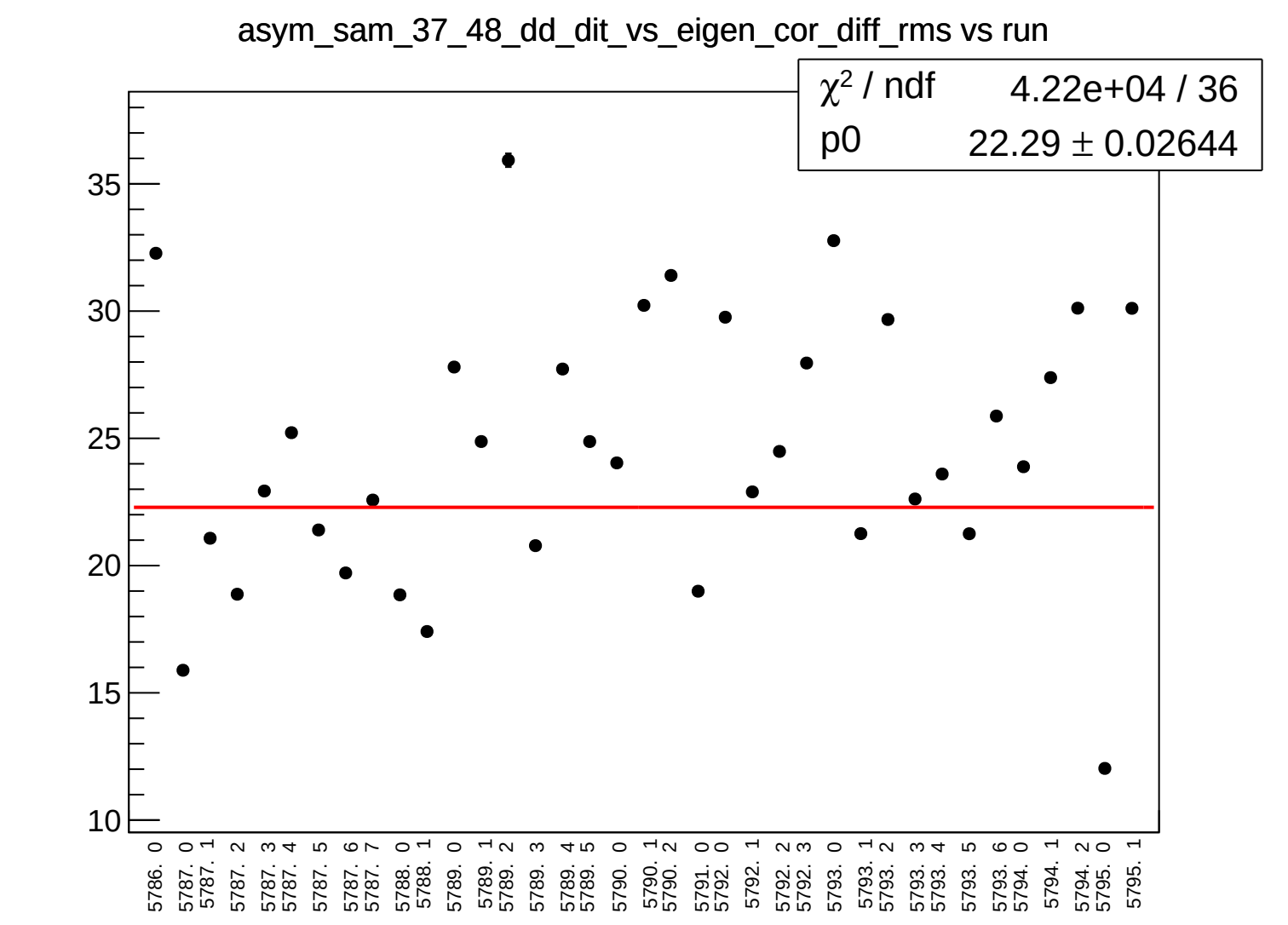

asym_sam_37_48_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.204e+05 / 36
p0 1.633e−11 ± 2.832e−14
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

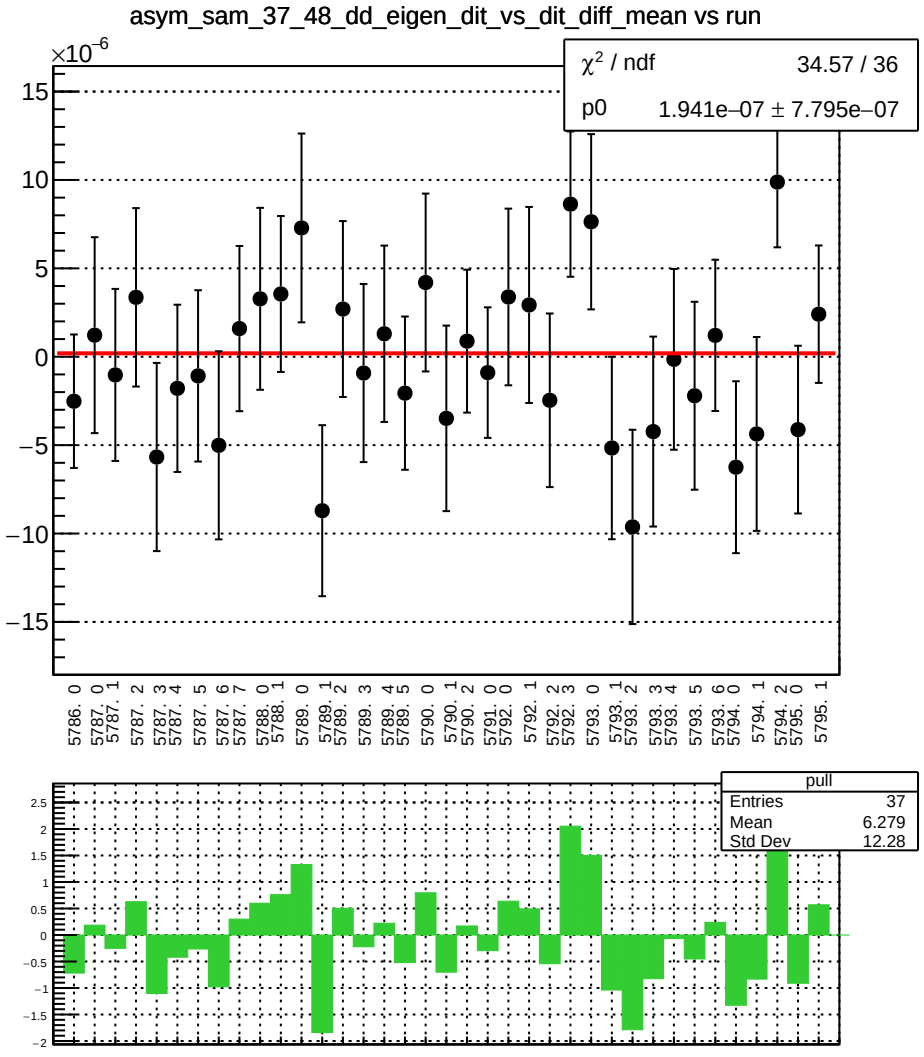

asym_sam_37_48_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 47.51 / 36
p0 −0.05866 ± 0.03739
pull
Entries 37
Mean −201.8
Std Dev 0
pull1D
Entries 37
Mean −0.01621
Std Dev 1.133

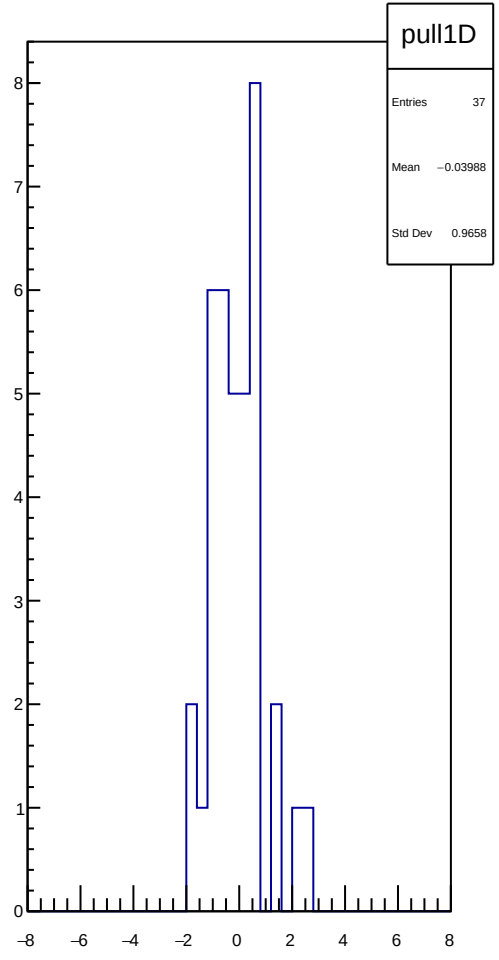

asym_sam_37_48_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.22e+04 / 36
p0 22.29 ± 0.02644
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

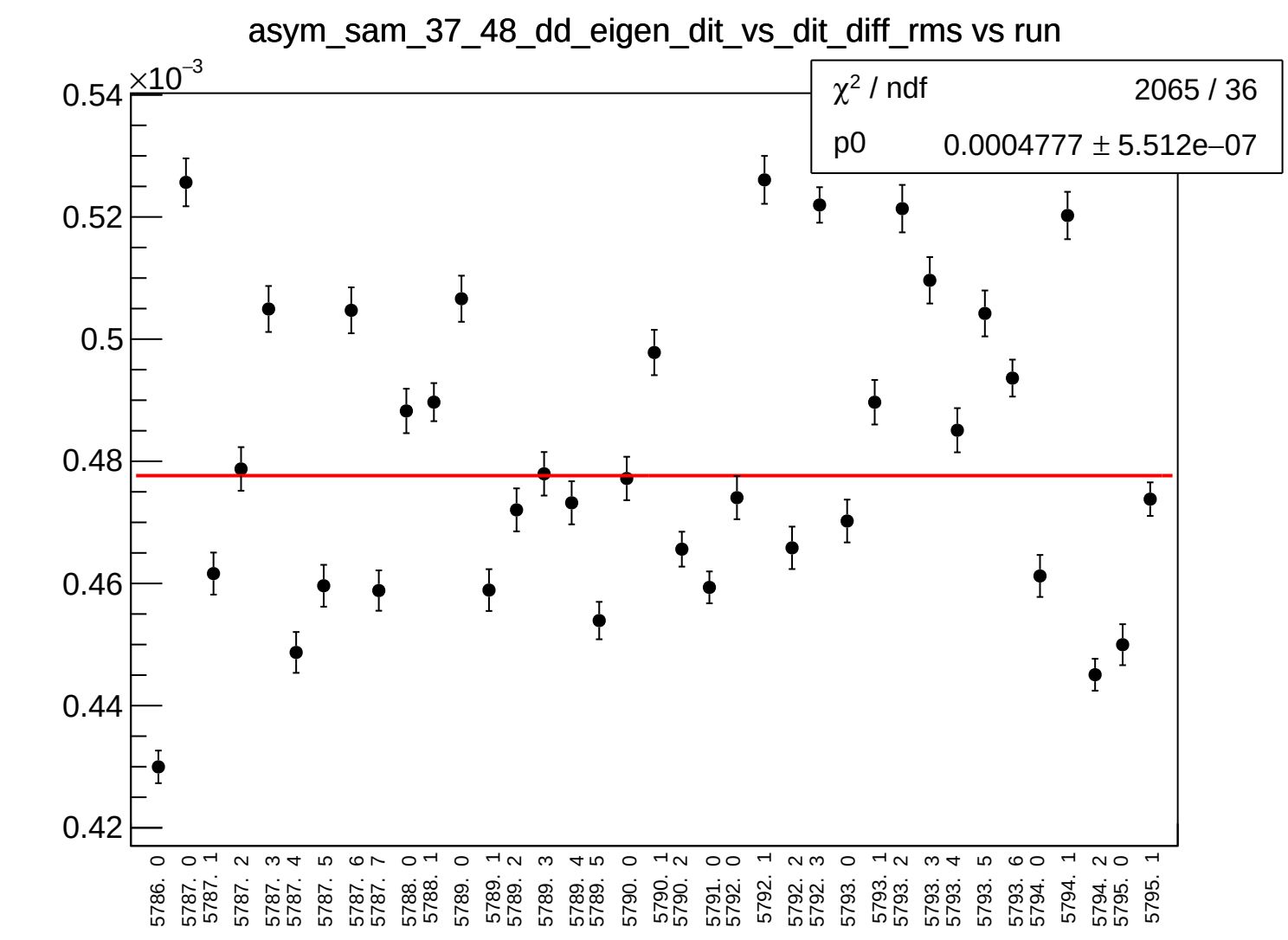

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 47.51 / 36
p0 −0.05866 ± 0.03739
pull
Entries 37
Mean −201.8
Std Dev 0

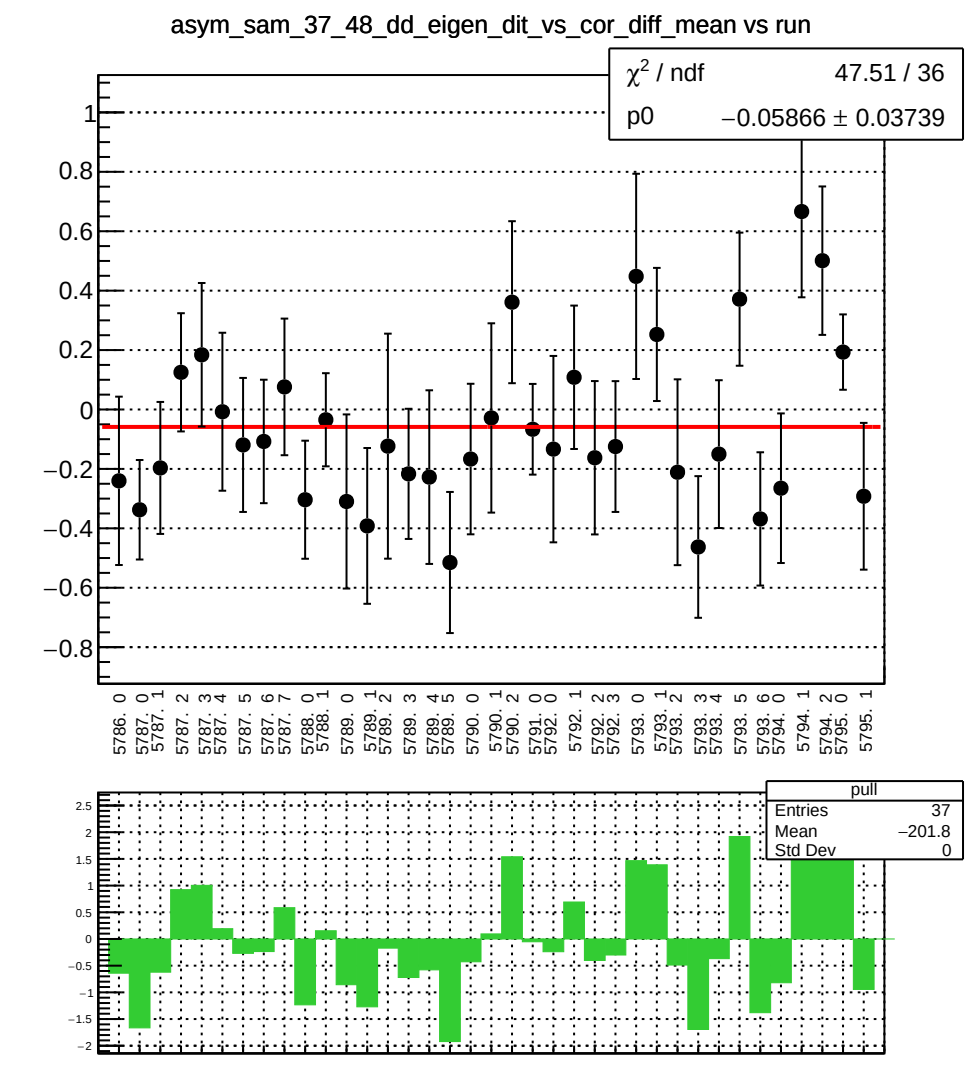

pull1D
Entries 37
Mean −0.01621
Std Dev 1.133

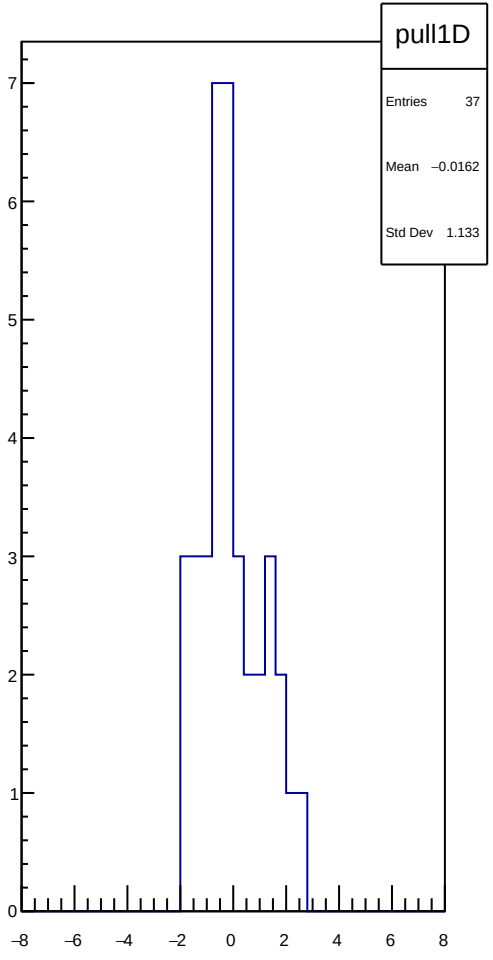

asym_sam_37_48_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.22e+04 / 36
p0 22.29 ± 0.02644
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

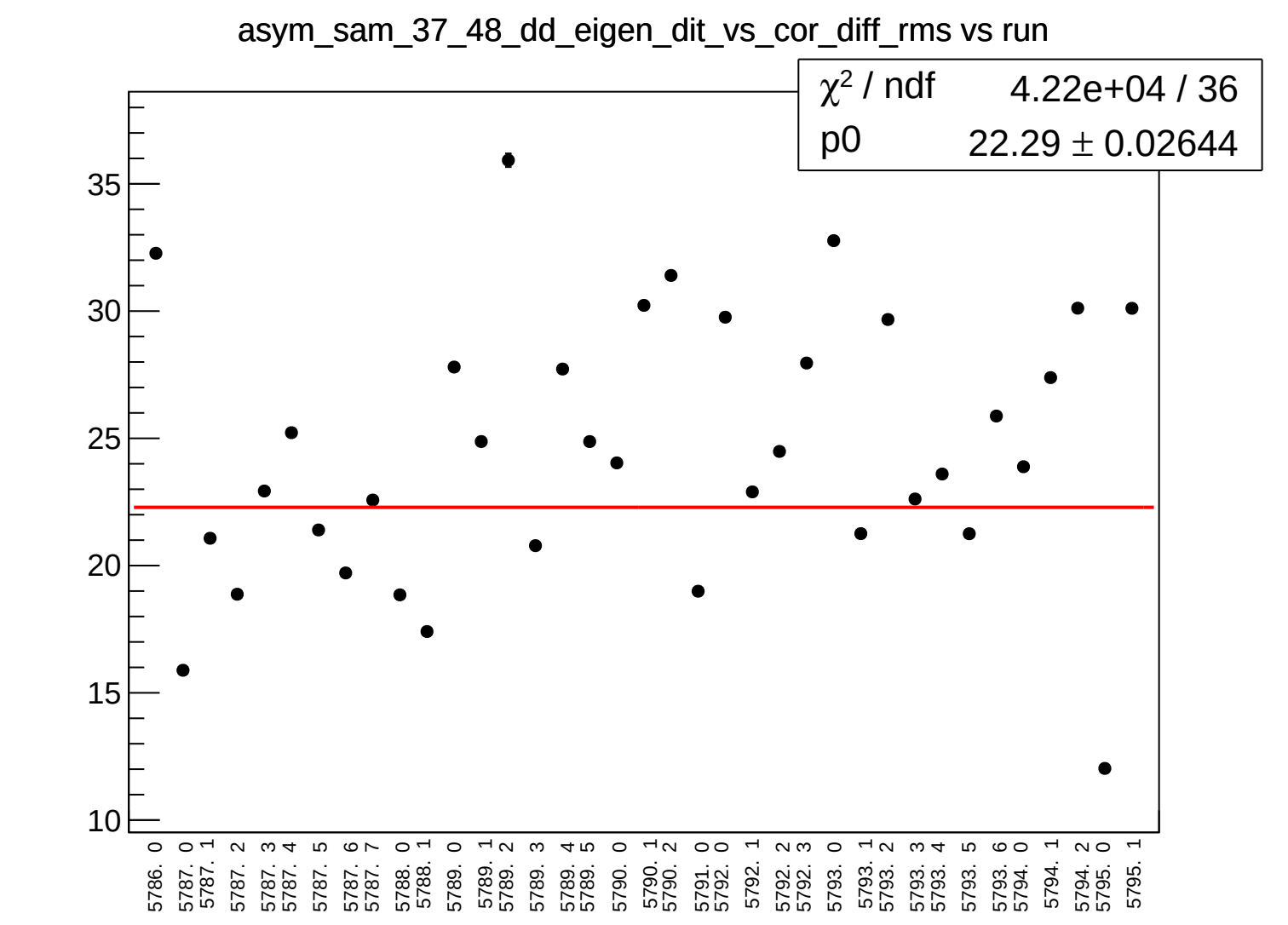

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻⁶
χ² / ndf 34.57 / 36
p0 1.941e−07 ± 7.795e−07
pull
Entries 37
Mean 6.279
Std Dev 12.28


pull1D
Entries 37
Mean −0.03988
Std Dev 0.9658

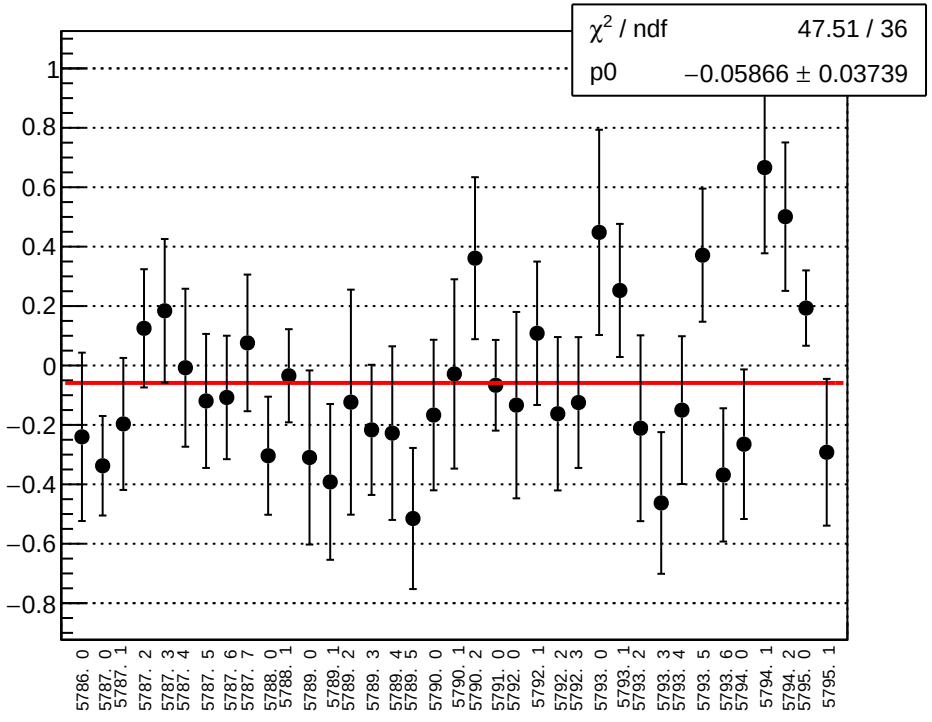

asym_sam_37_48_dd_eigen_dit_vs_dit_diff_rms vs run
×10⁻³
χ² / ndf 2065 / 36
p0 0.0004777 ± 5.512e−07
0.54
0.52
0.5
0.48
0.46
0.44
0.42
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

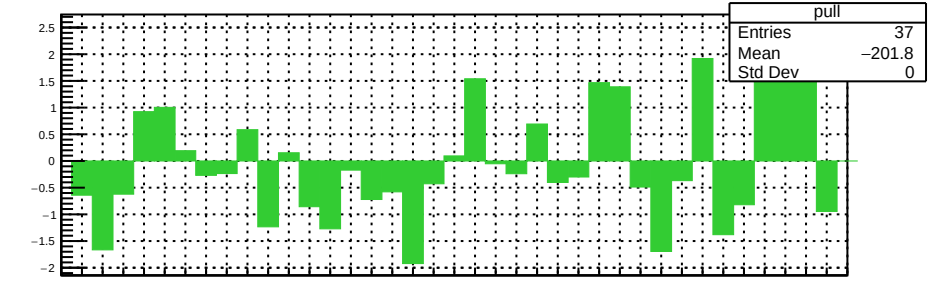

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 47.51 / 36
p0 −0.05866 ± 0.03739
pull
Entries 37
Mean −201.8
Std Dev 0

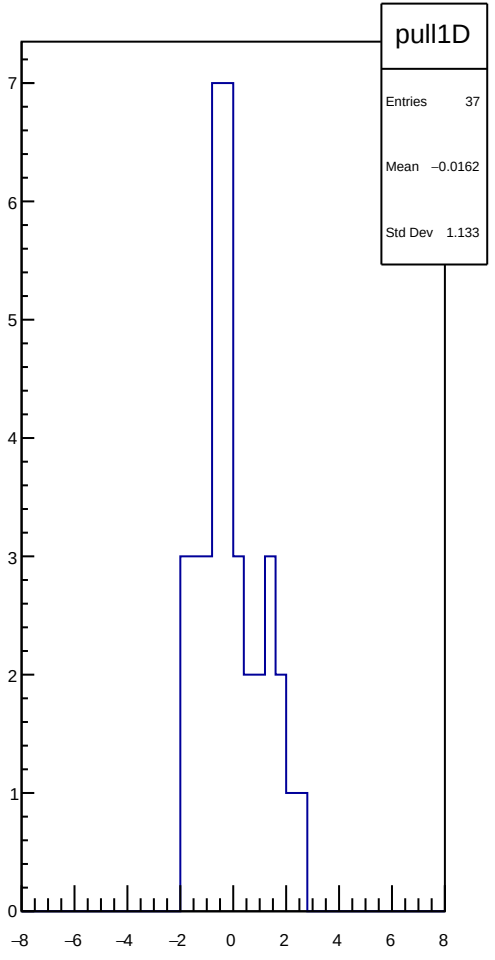

pull1D
Entries 37
Mean −0.0162
Std Dev 1.133

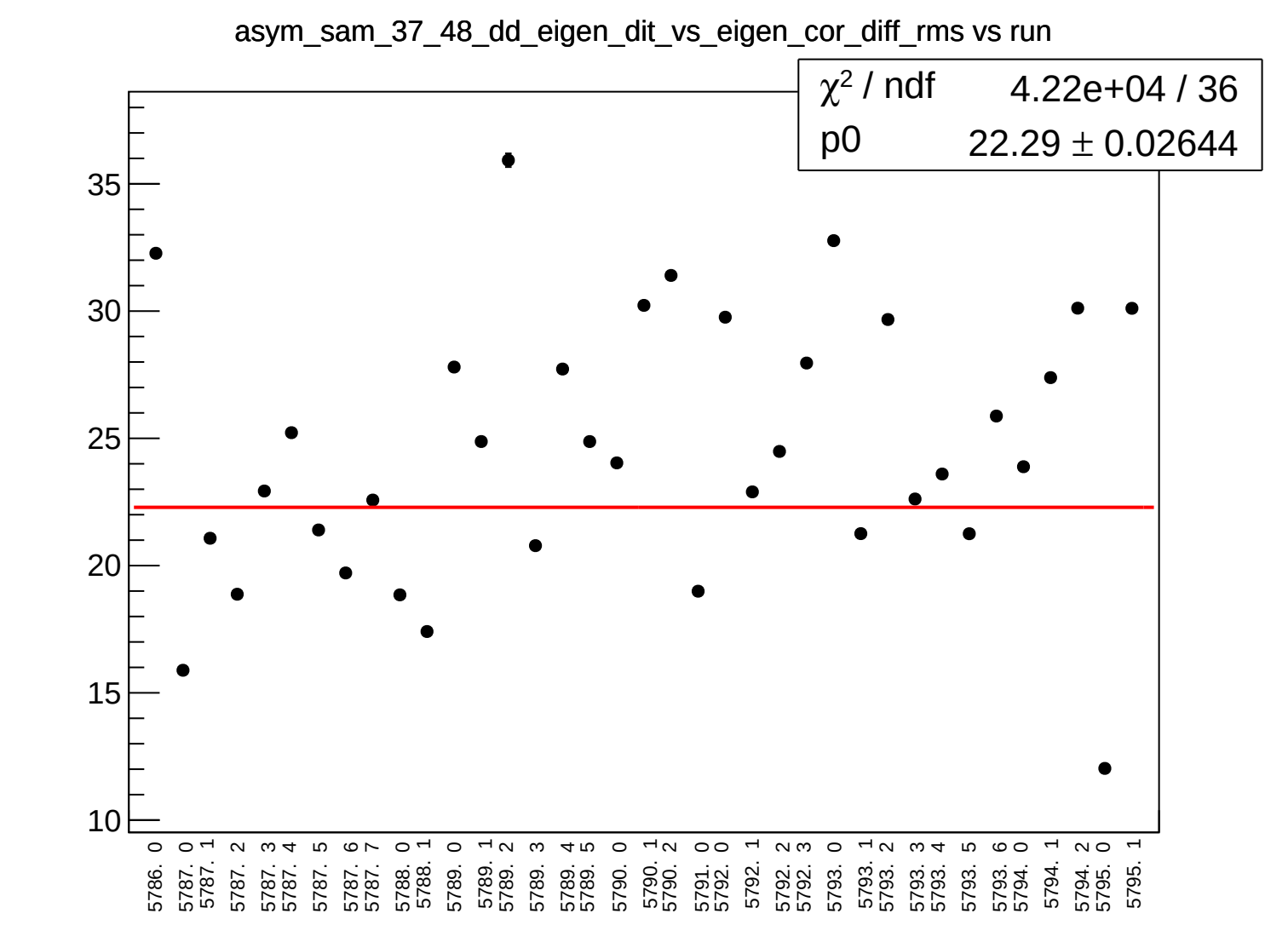

asym_sam_37_48_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.22e+04 / 36
p0 22.29 ± 0.02644
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

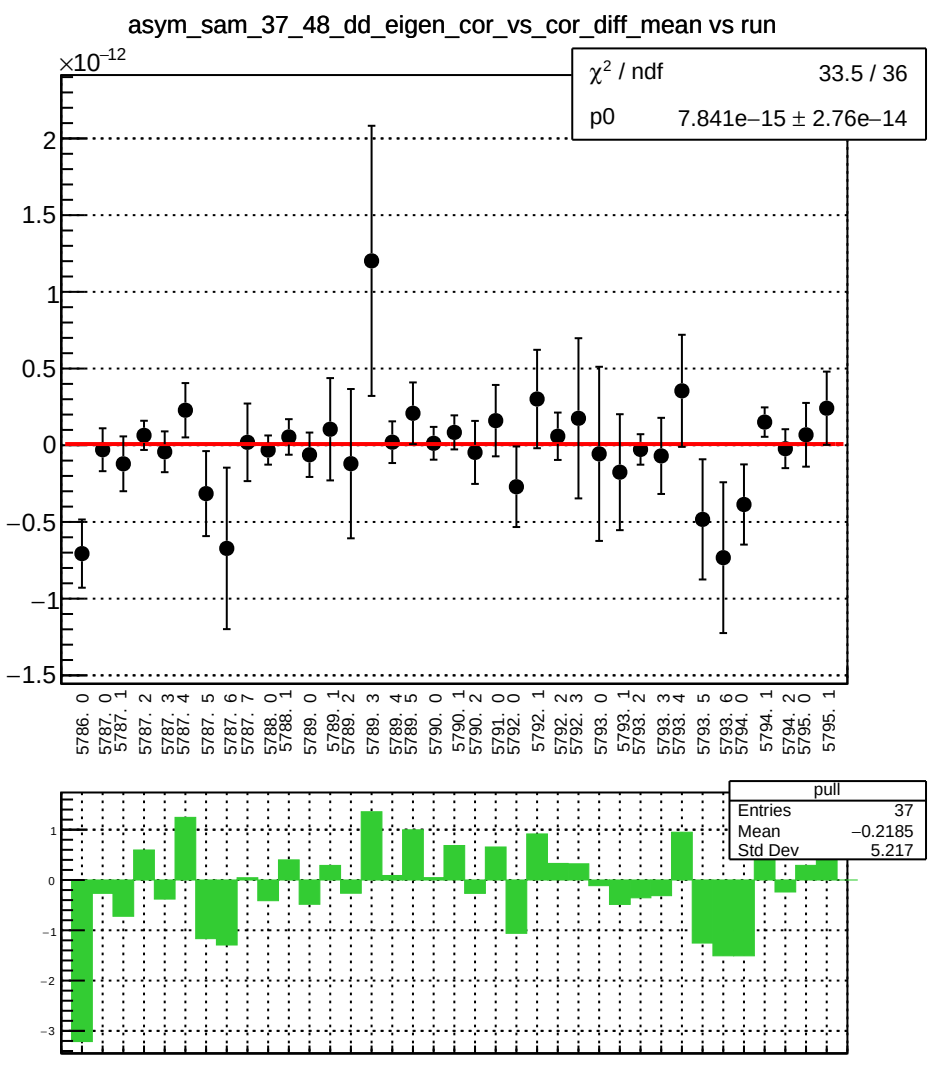
asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_mean vs run

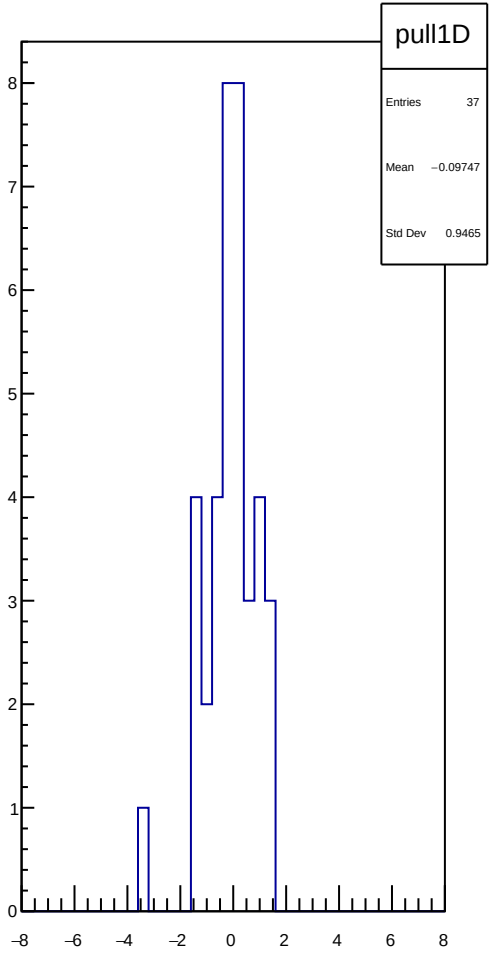


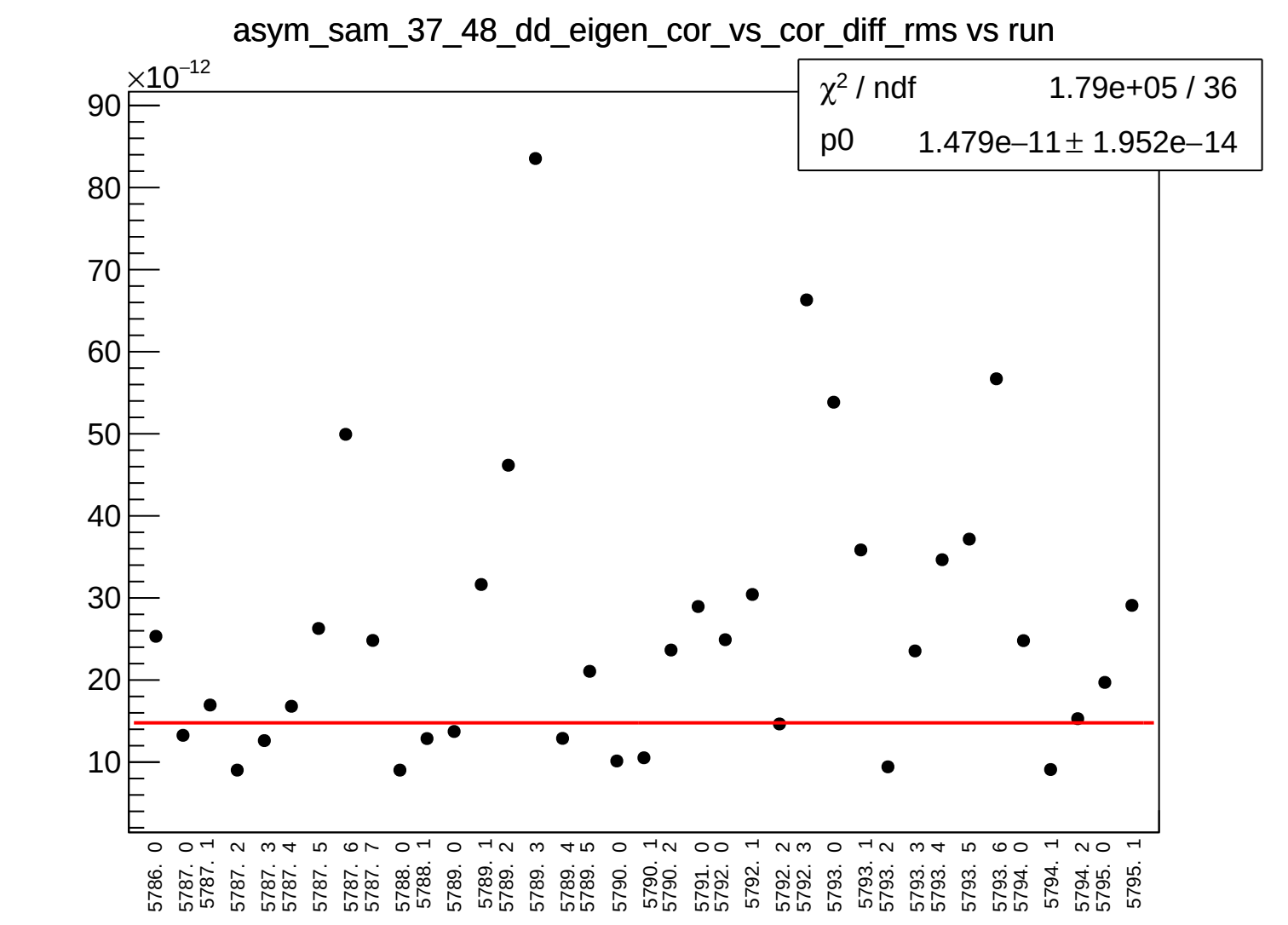


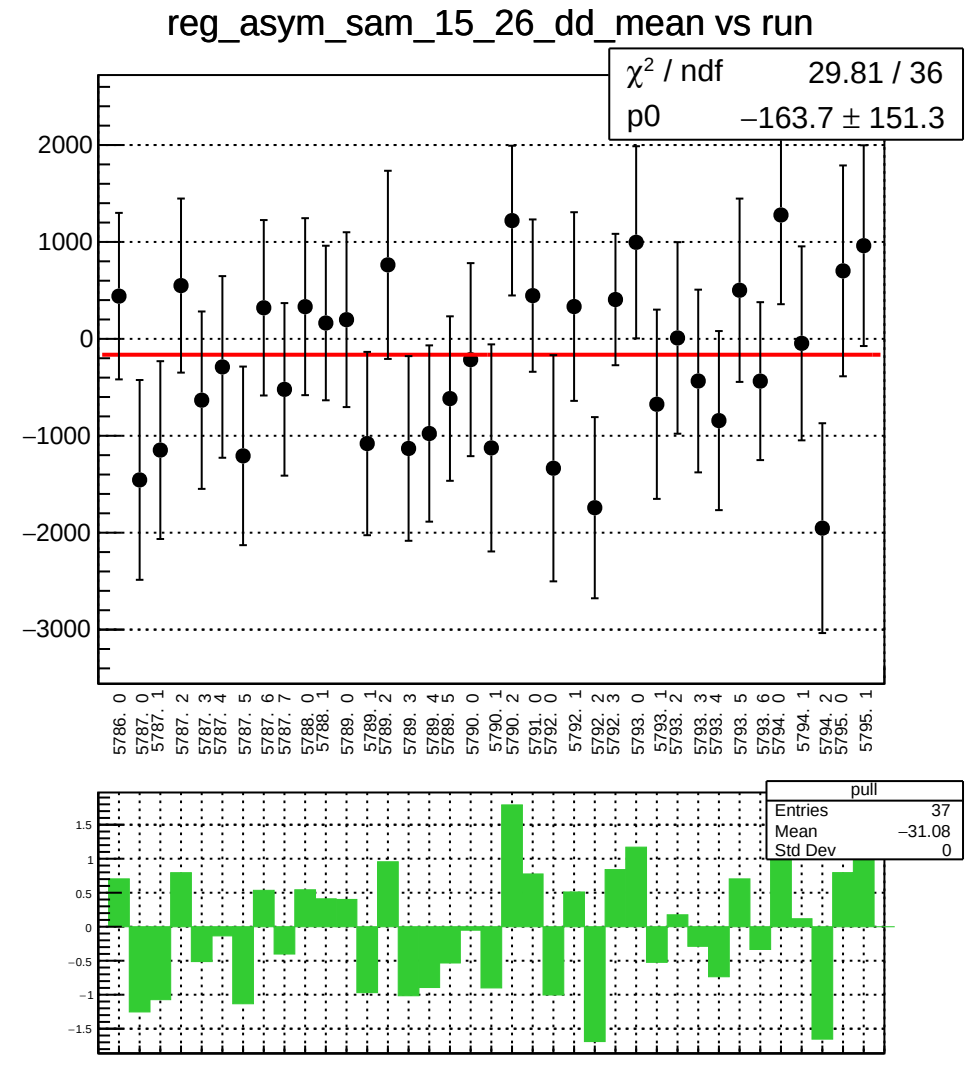


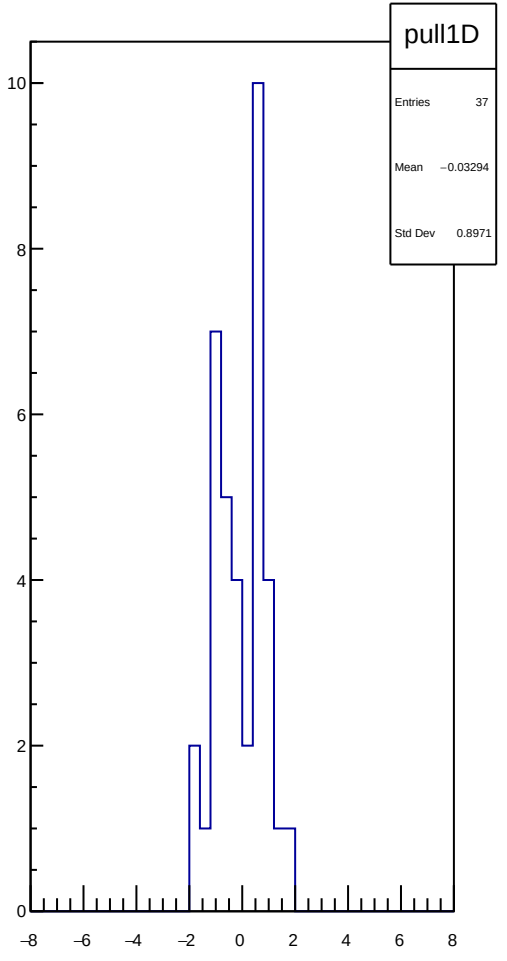

asym_sam_37_48_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.22e+04 / 36
p0 22.29 ± 0.02644
35
30
25
20
15
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

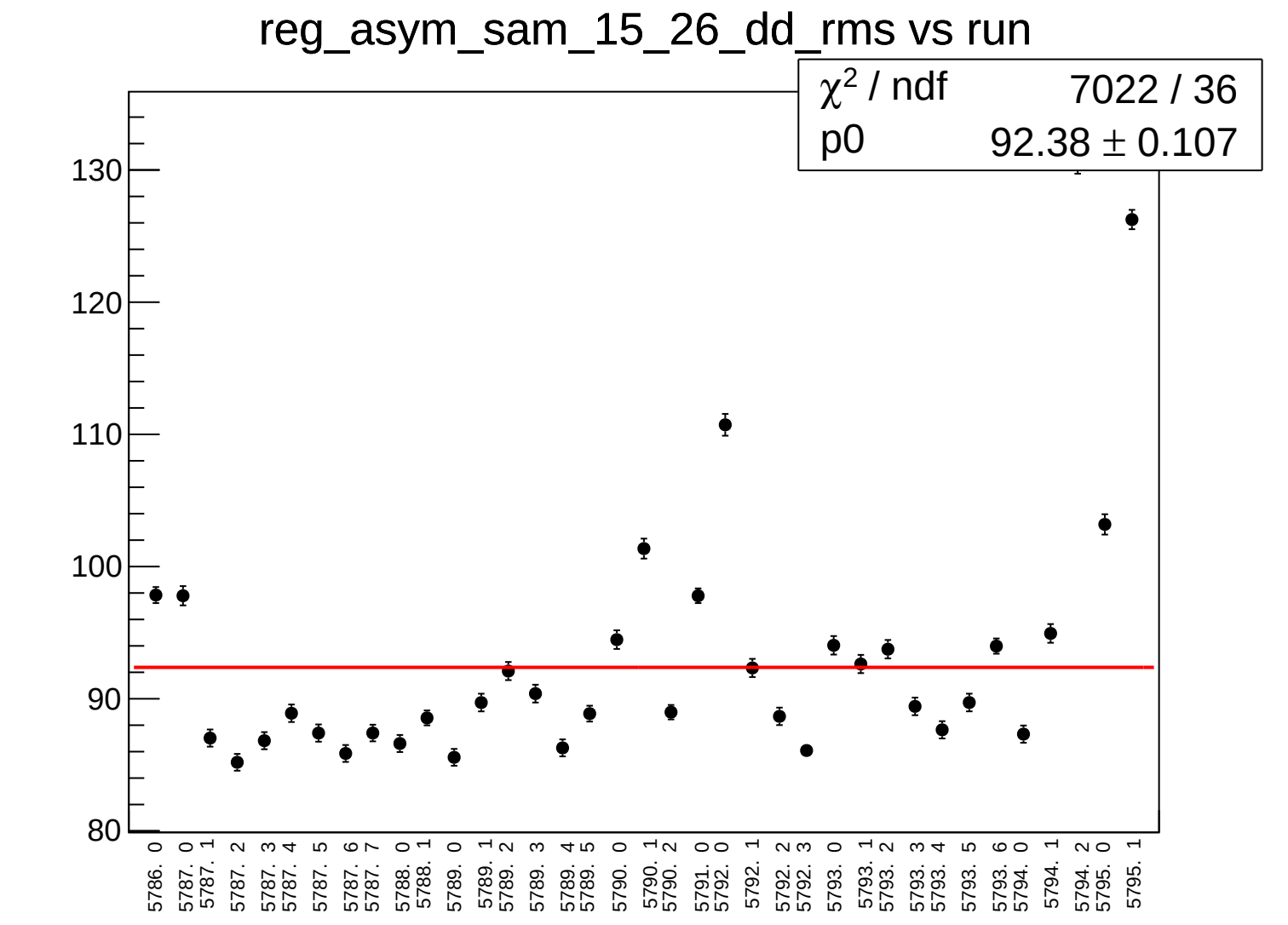

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 33.5 / 36
p0 7.841e−15 ± 2.76e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.2185
Std Dev 5.217
1
0
−1
−2
−3

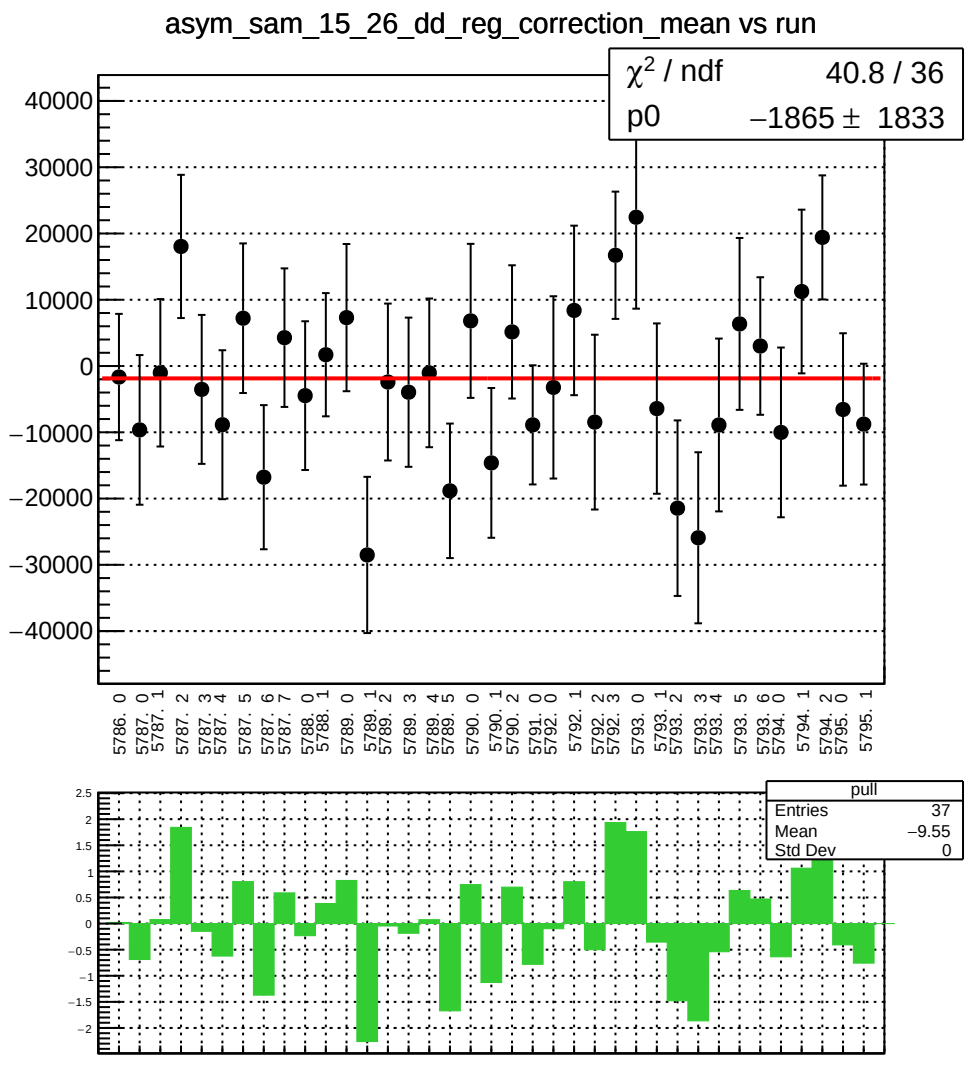

pull1D
Entries 37
Mean −0.09747
Std Dev 0.9465
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

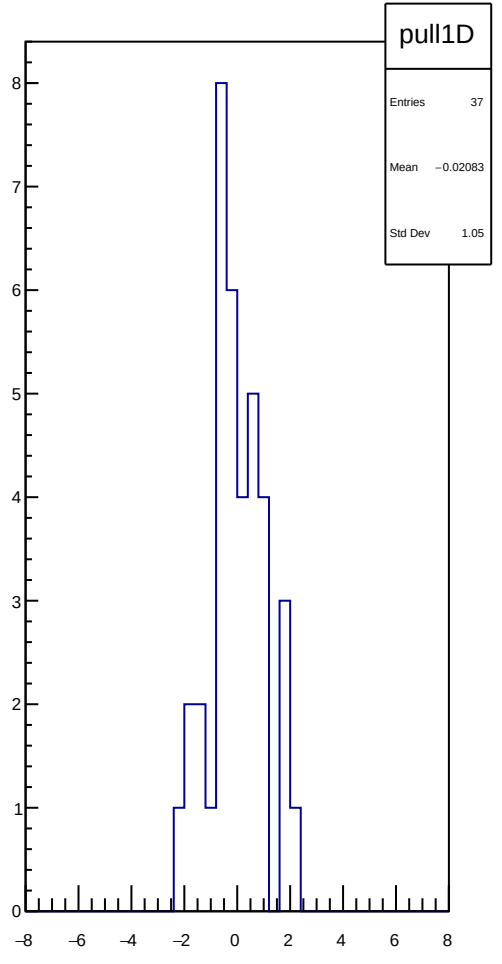

asym_sam_37_48_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.79e+05 / 36
p0 1.479e−11 ± 1.952e−14
90
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

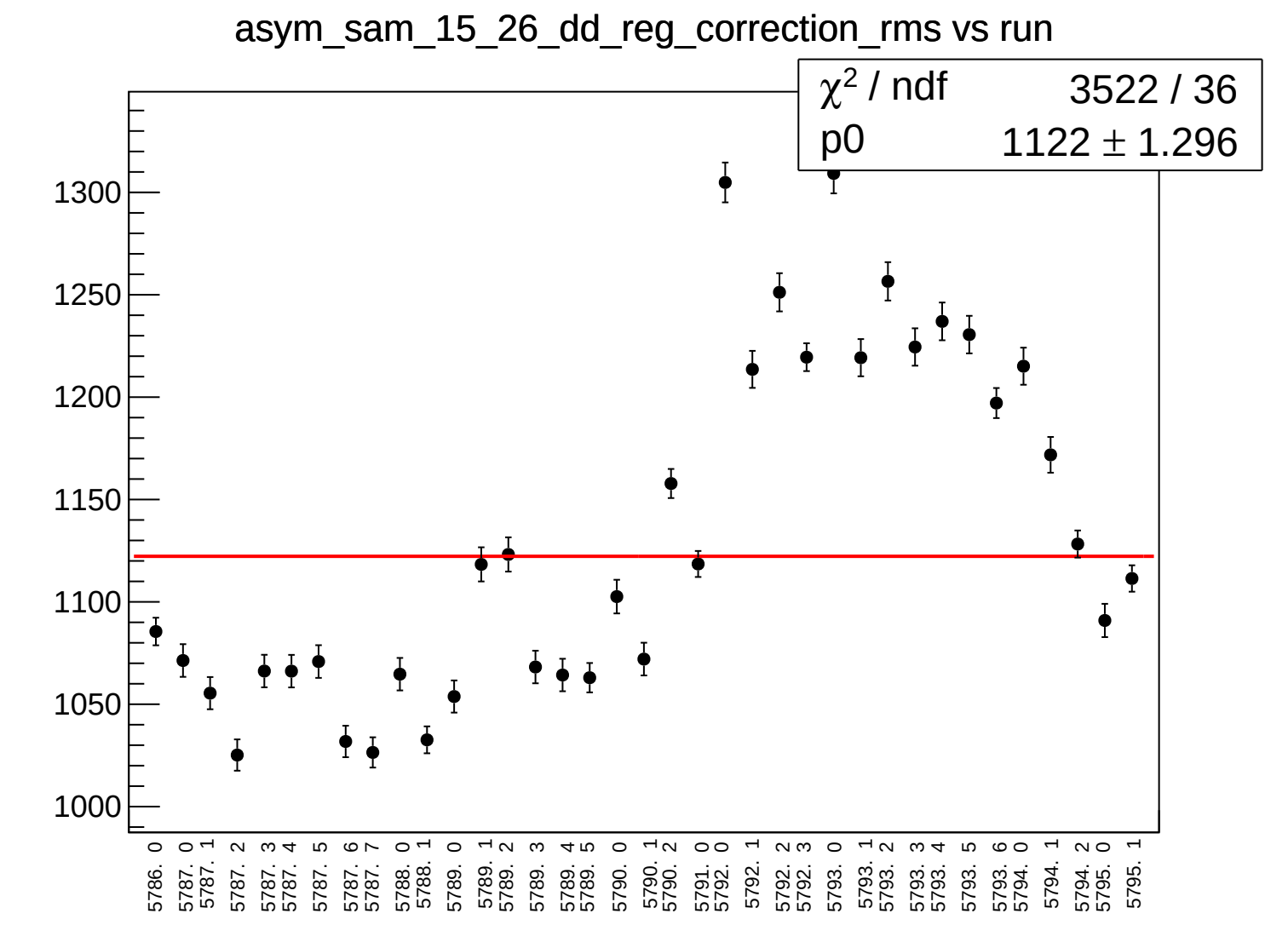

reg_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.81 / 36
p0 −163.7 ± 151.3
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

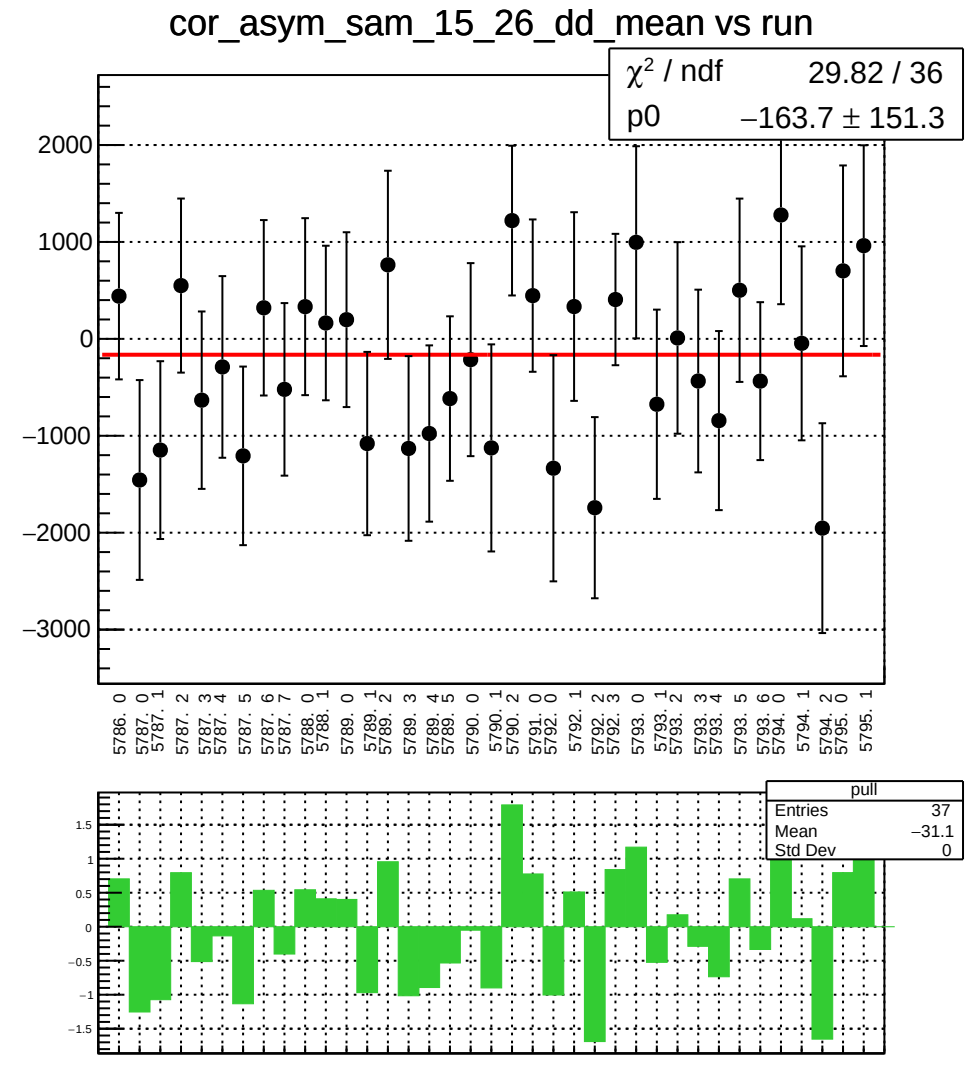

pull1D
Entries 37
Mean −0.03294
Std Dev 0.8971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

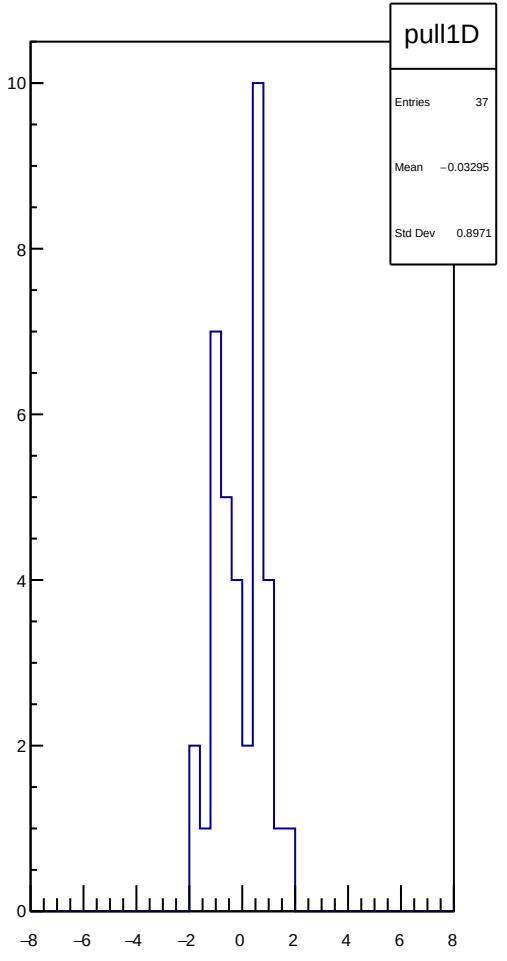

reg_asym_sam_15_26_dd_rms vs run
χ² / ndf 7022 / 36
p0 92.38 ± 0.107
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

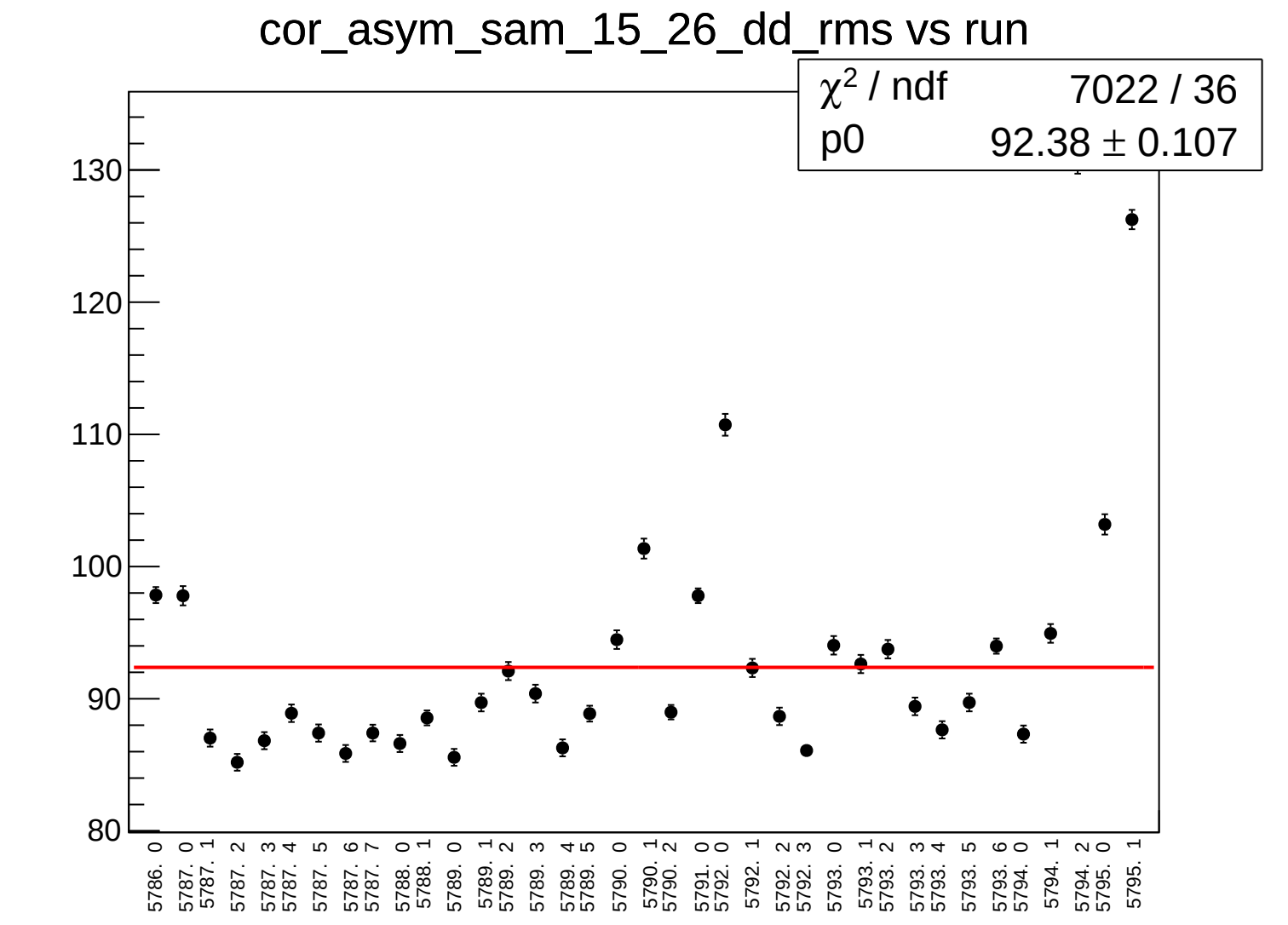

asym_sam_15_26_dd_reg_correction_mean vs run
χ² / ndf 40.8 / 36
p0 −1865 ± 1833
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.55
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

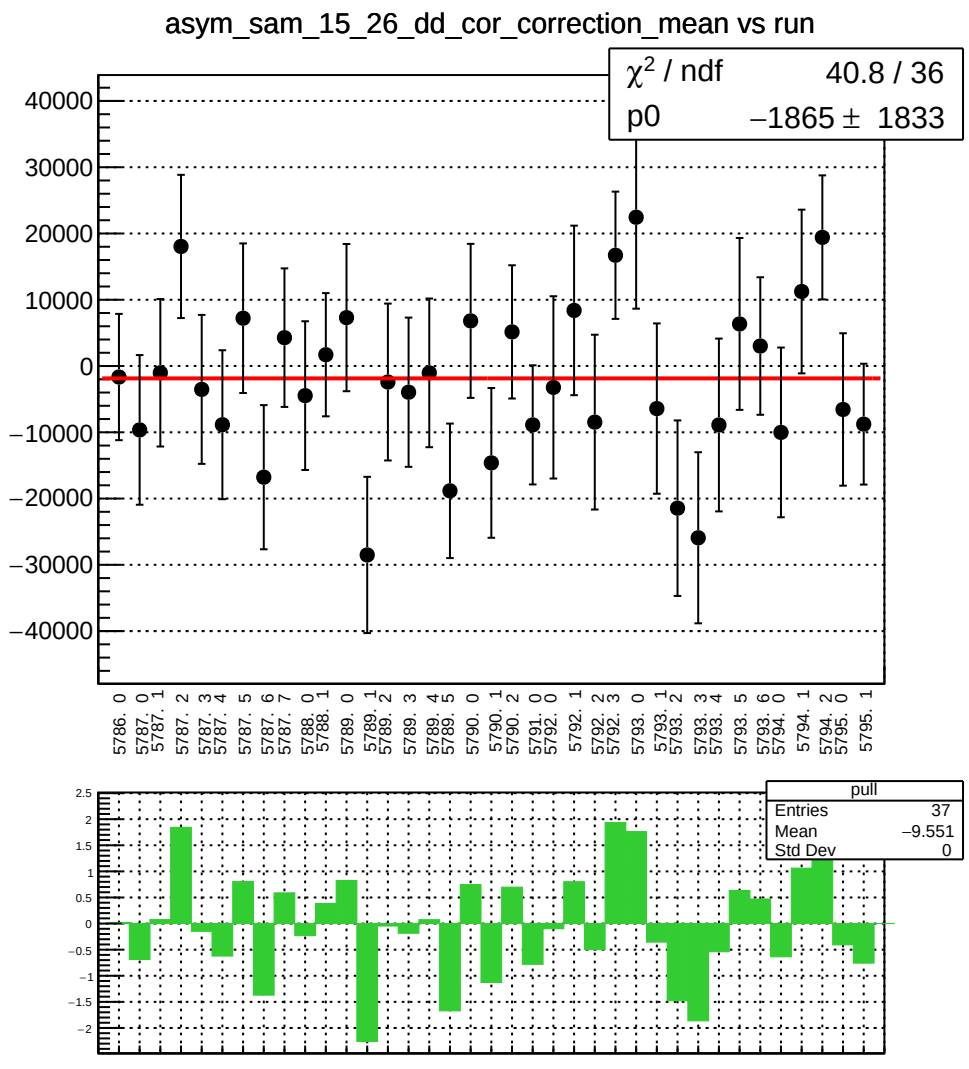

pull1D
Entries 37
Mean −0.02083
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

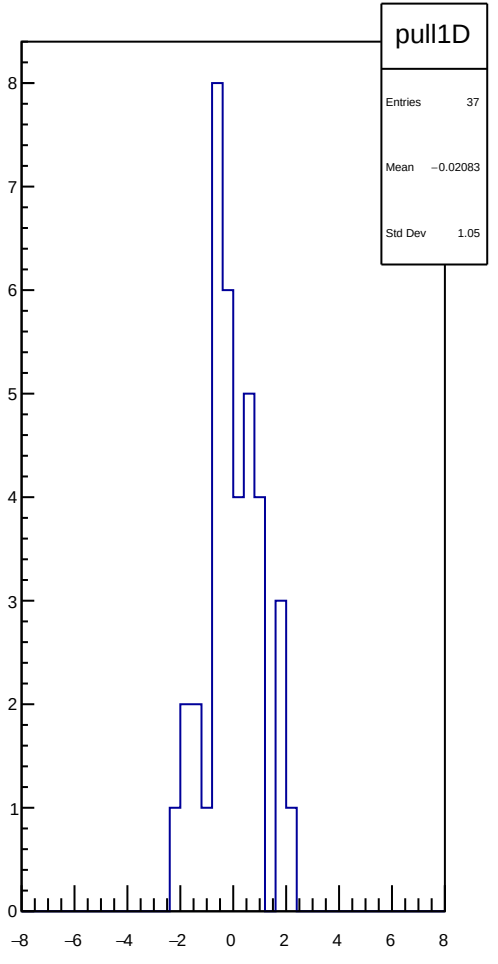

asym_sam_15_26_dd_reg_correction_rms vs run
χ² / ndf 3522 / 36
p0 1122 ± 1.296
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

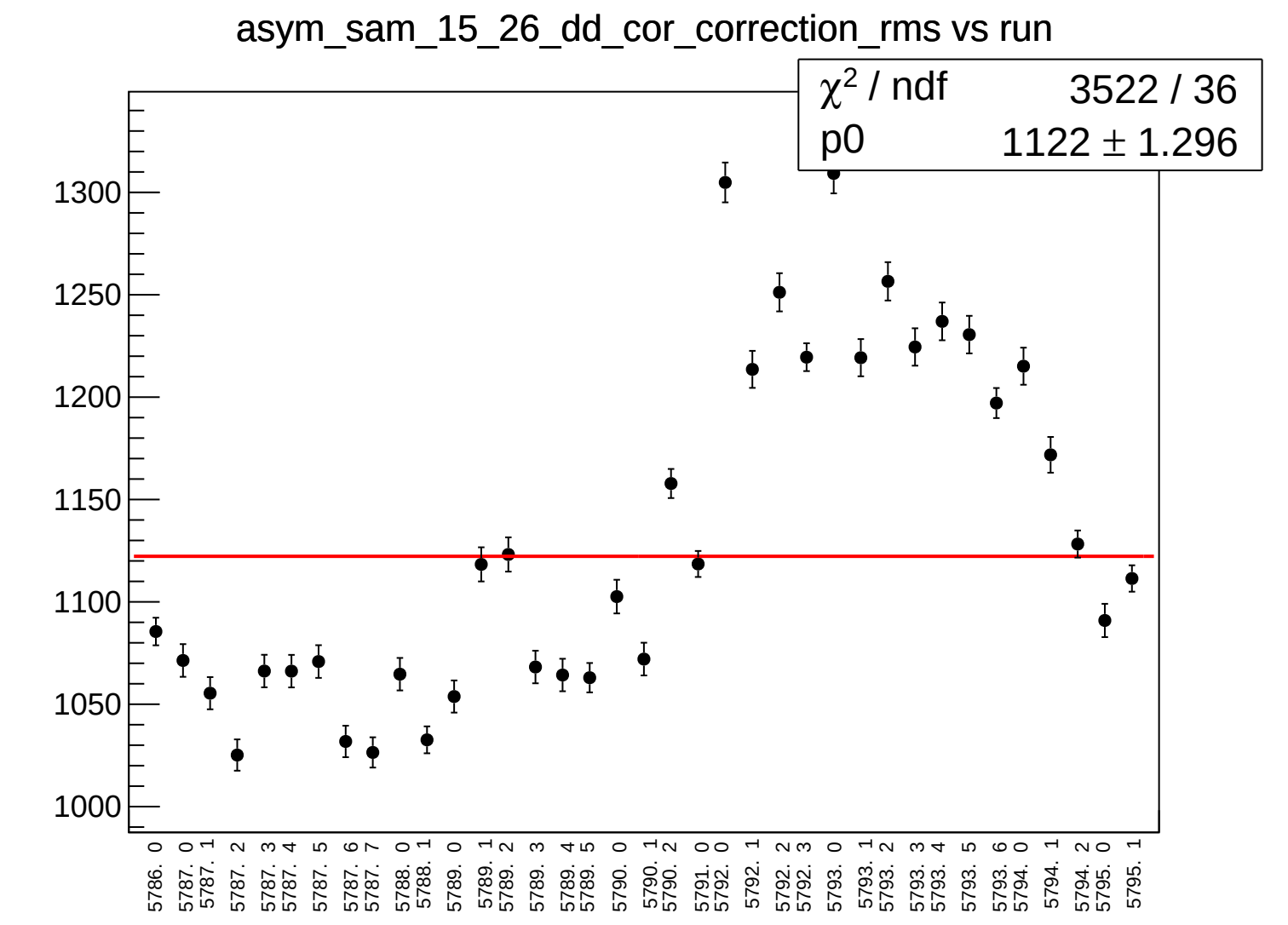

cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.82 / 36
p0 −163.7 ± 151.3
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

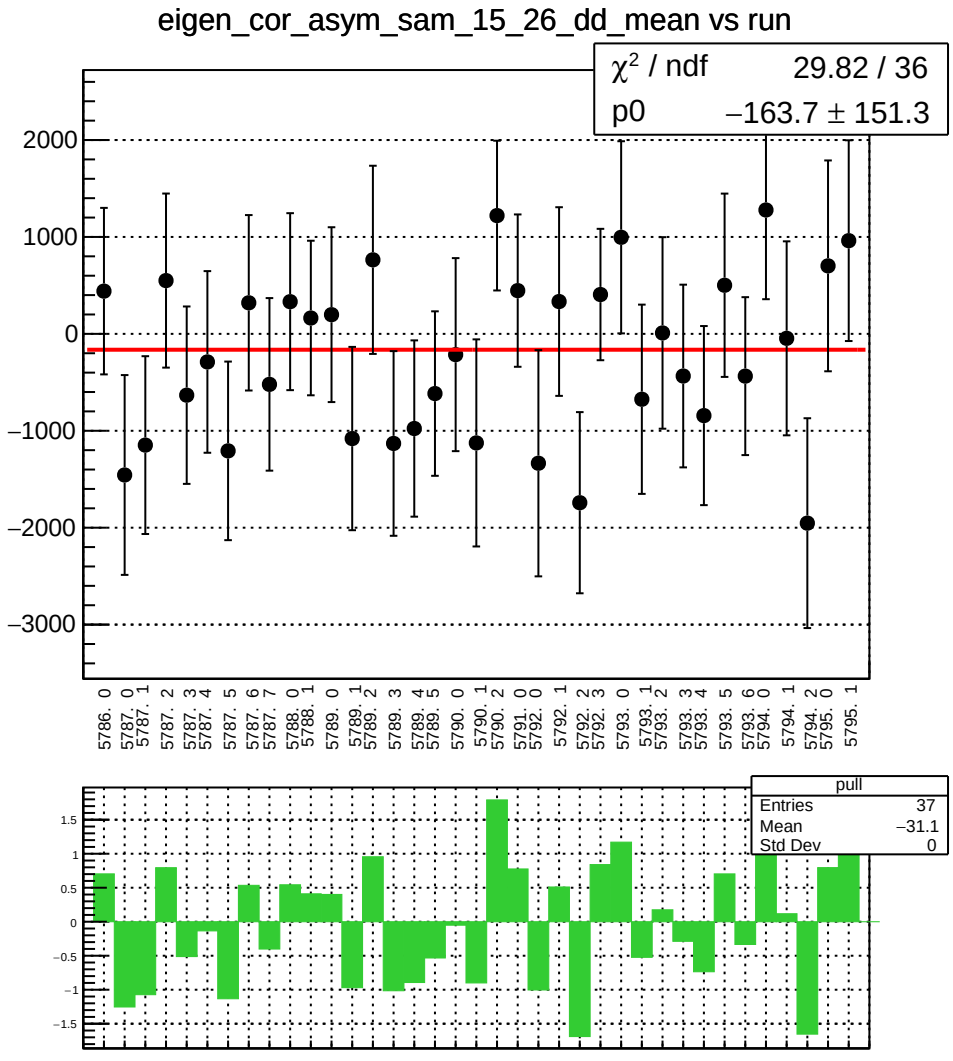

pull1D
Entries 37
Mean −0.03295
Std Dev 0.8971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

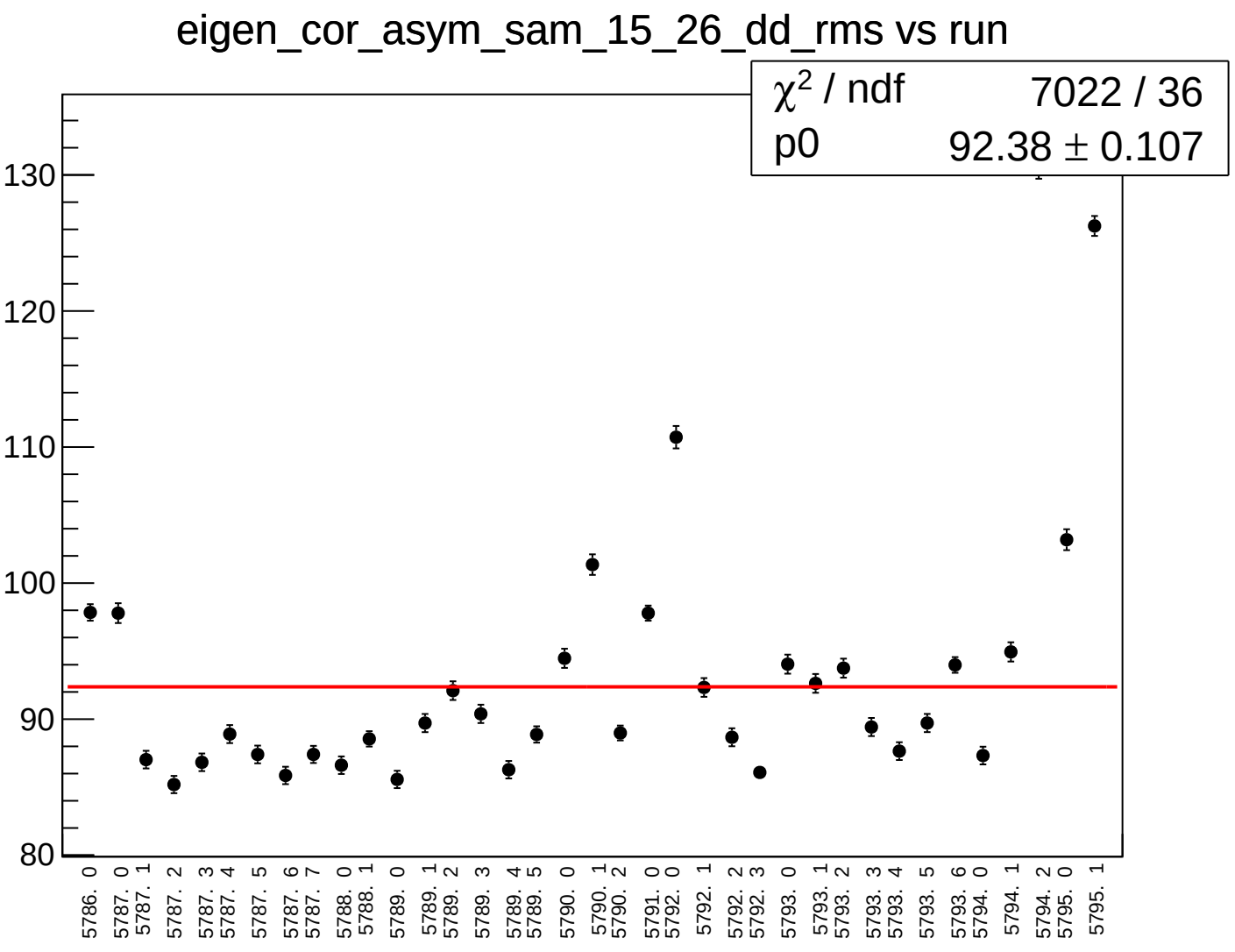

cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 7022 / 36
p0 92.38 ± 0.107
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

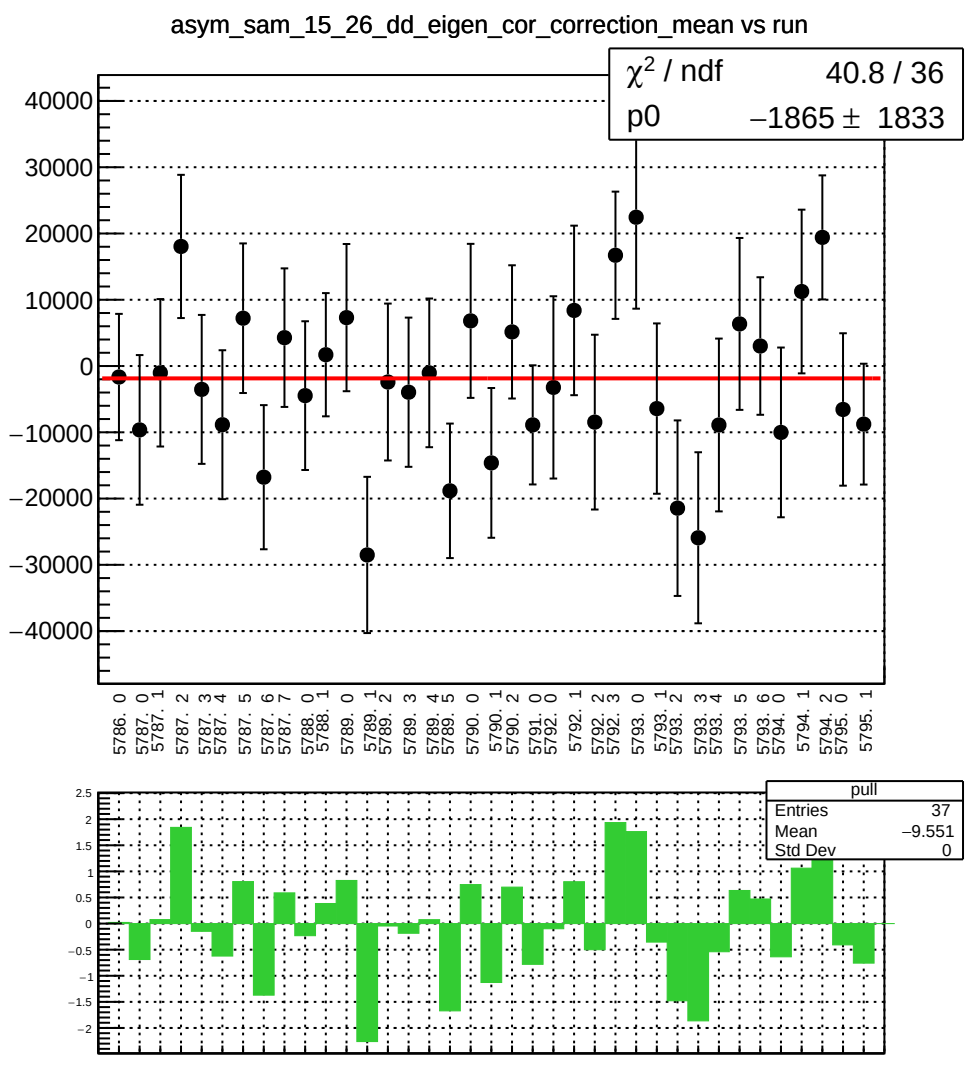

asym_sam_15_26_dd_cor_correction_mean vs run
χ² / ndf 40.8 / 36
p0 −1865 ± 1833
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.551
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

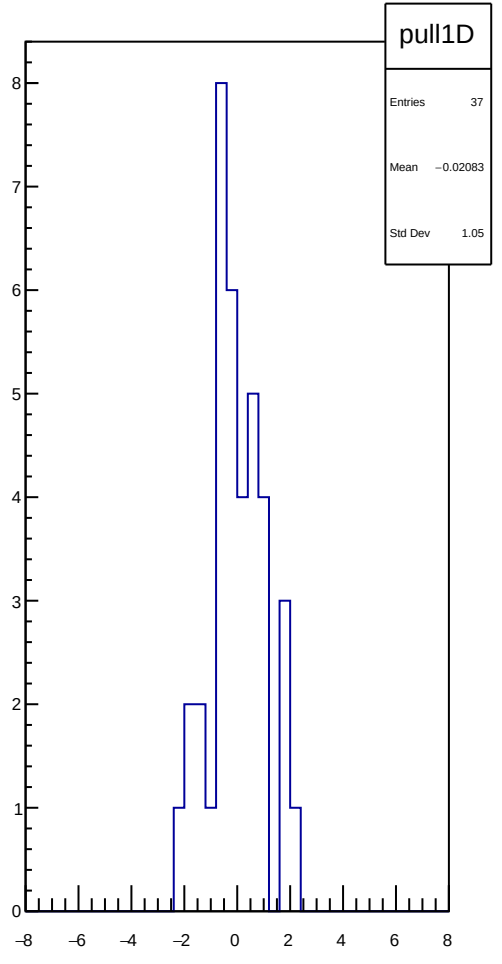

pull1D
Entries 37
Mean −0.02083
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

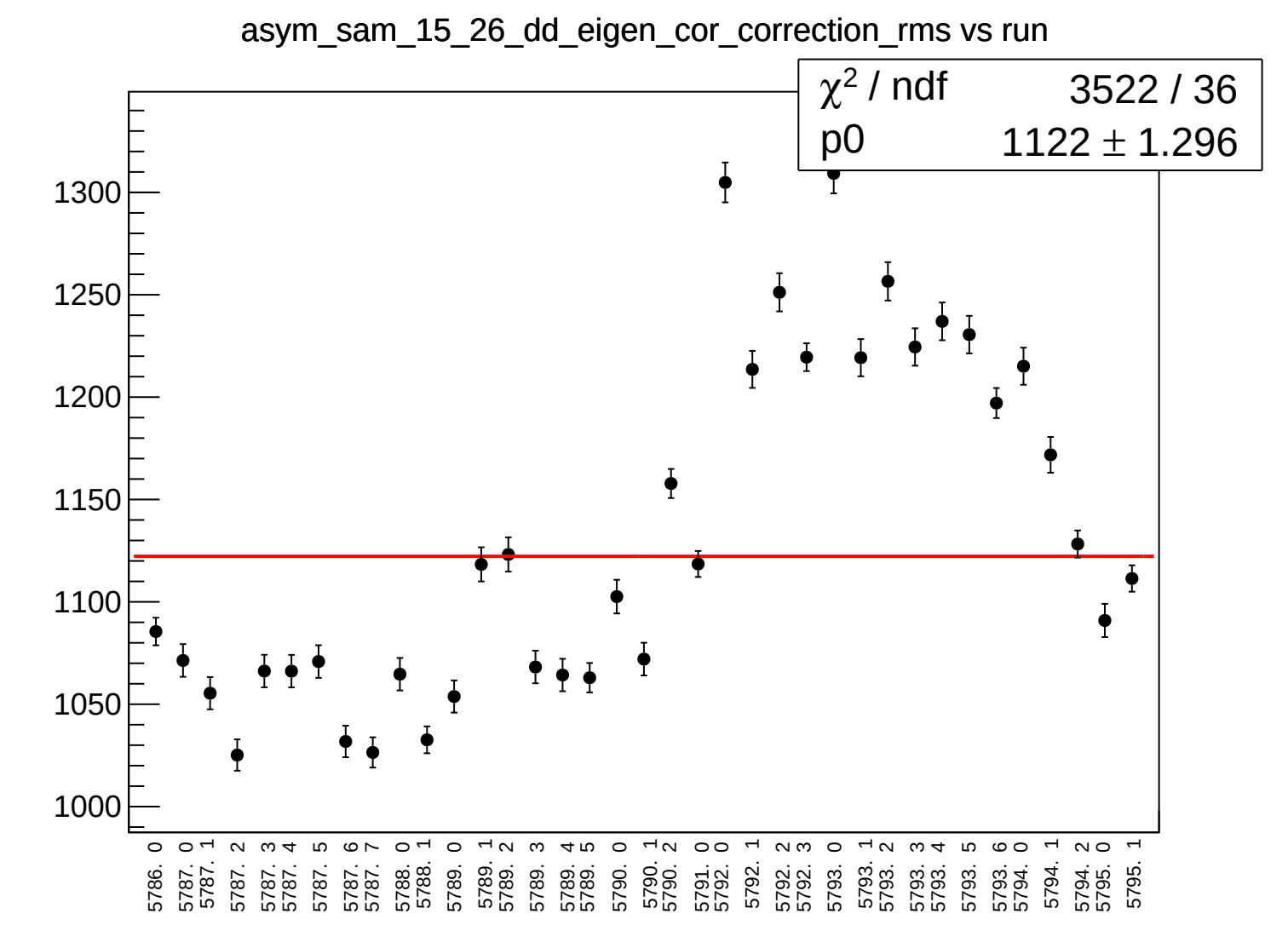

asym_sam_15_26_dd_cor_correction_rms vs run
χ² / ndf 3522 / 36
p0 1122 ± 1.296
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

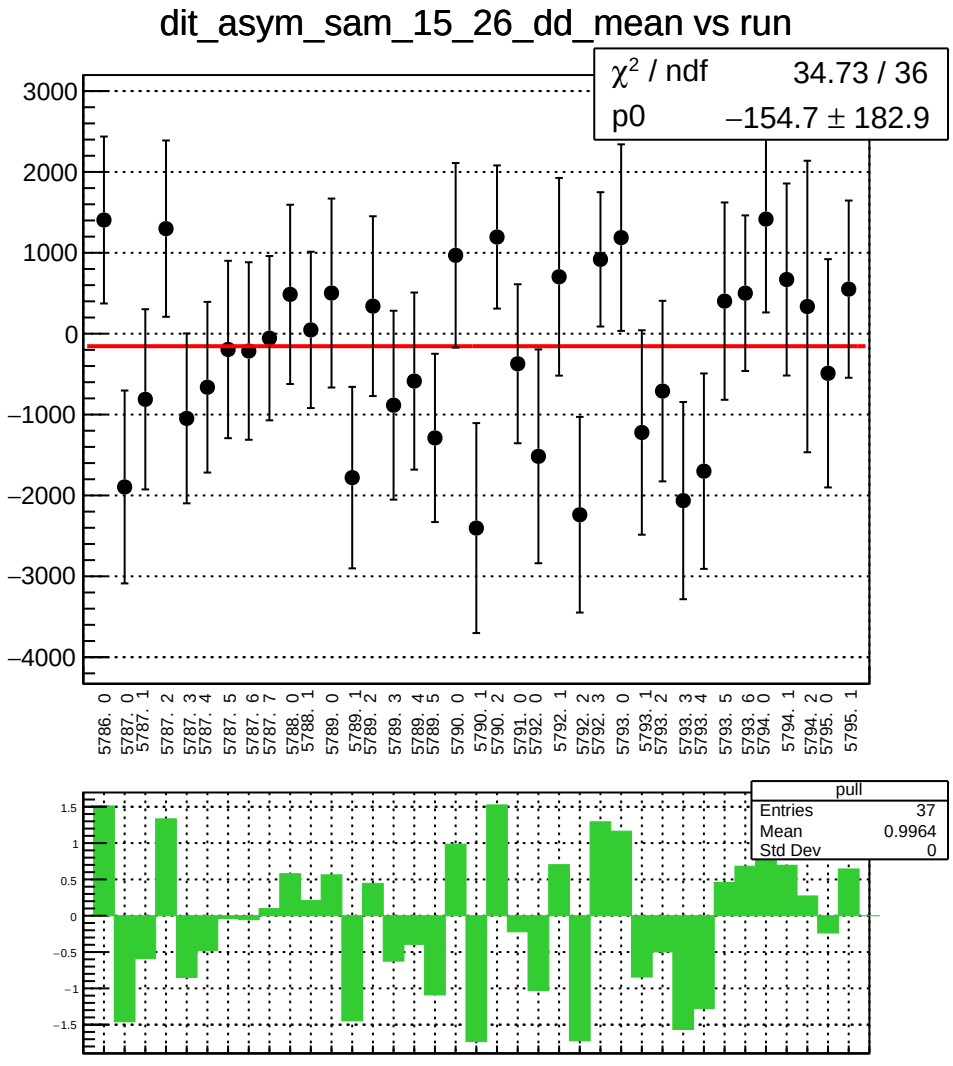

eigen_cor_asym_sam_15_26_dd_mean vs run
χ² / ndf 29.82 / 36
p0 −163.7 ± 151.3
2000
1000
0
−1000
−2000
−3000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −31.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.03295
Std Dev 0.8971
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

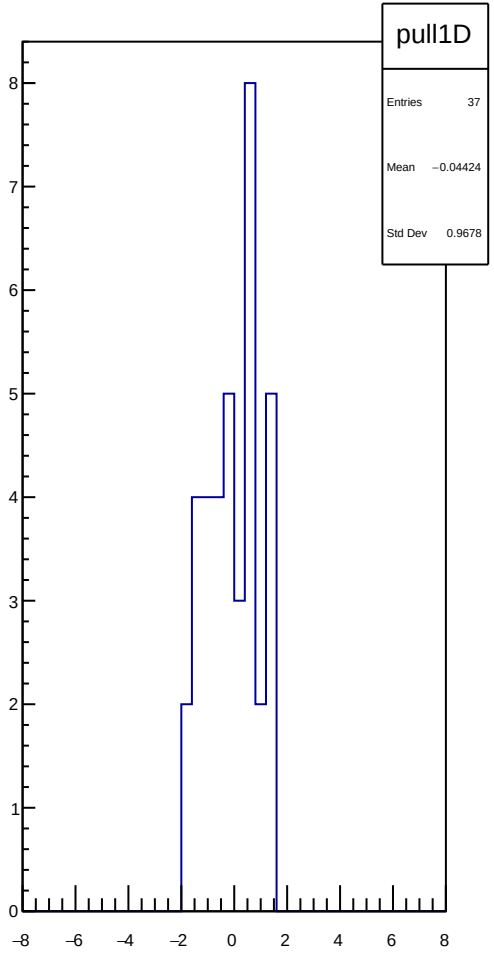

eigen_cor_asym_sam_15_26_dd_rms vs run
χ² / ndf 7022 / 36
p0 92.38 ± 0.107
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

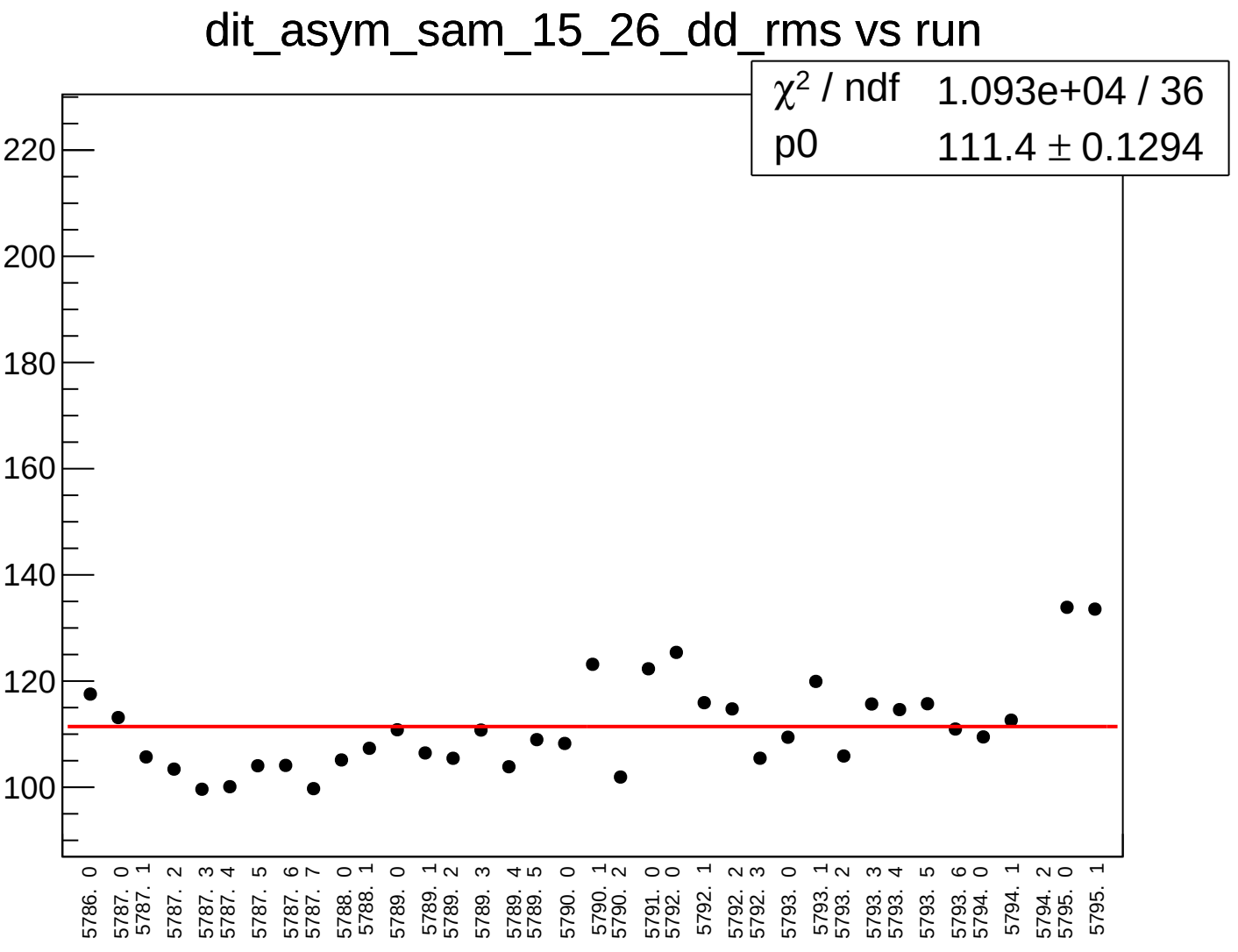

asym_sam_15_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.8 / 36
p0 −1865 ± 1833
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.551
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

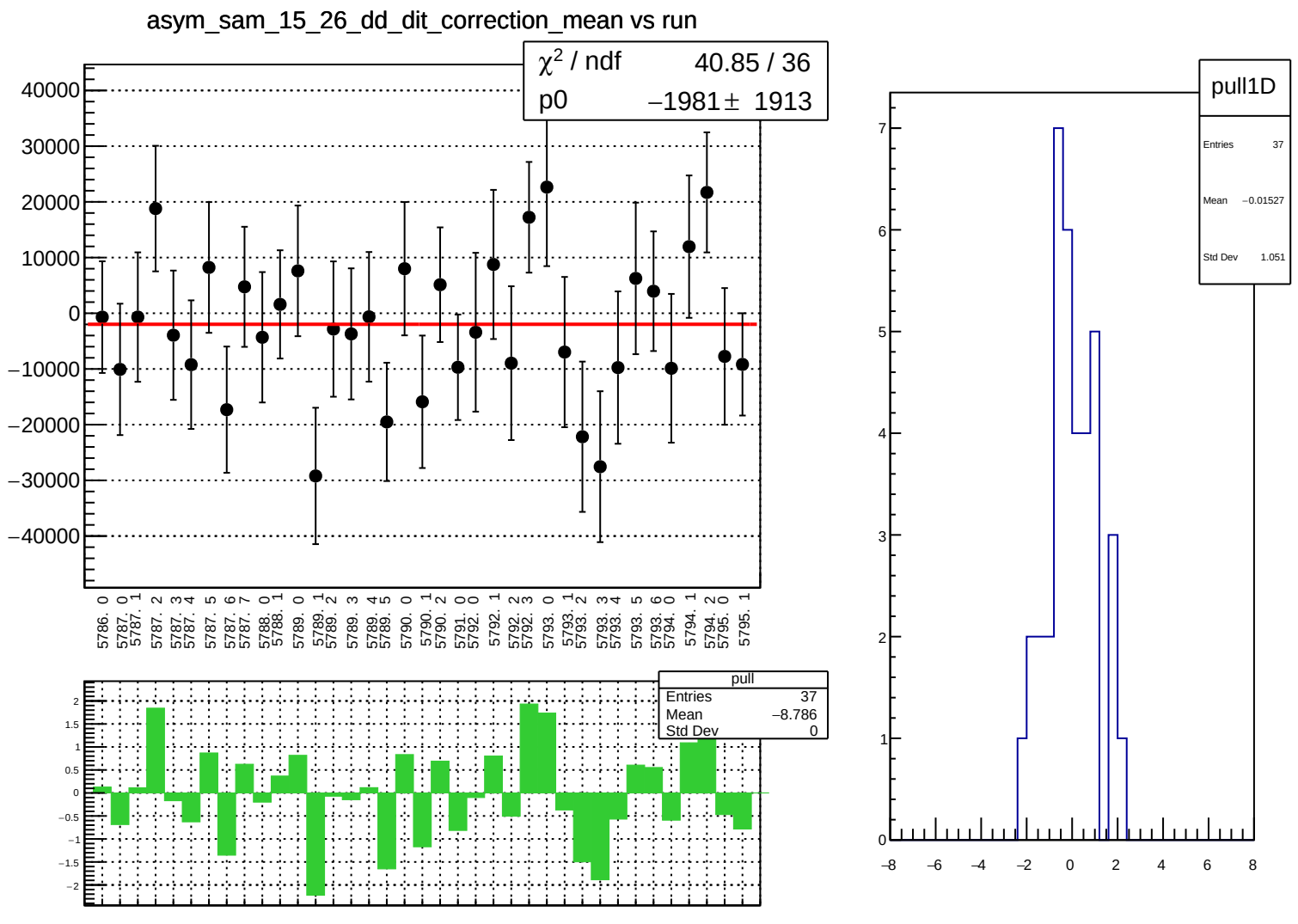

pull1D
Entries 37
Mean −0.02083
Std Dev 1.05
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

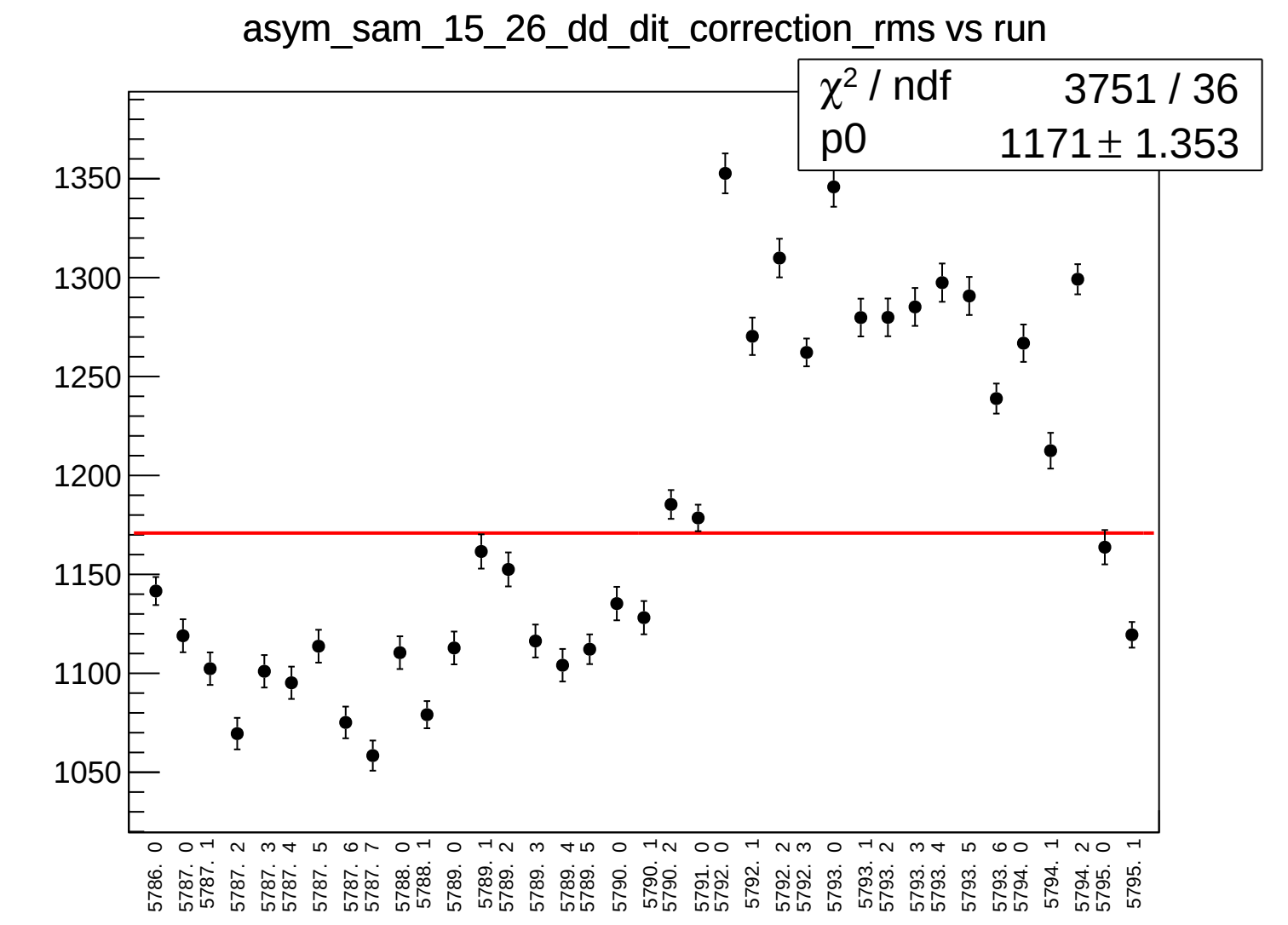

asym_sam_15_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3522 / 36
p0 1122 ± 1.296
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

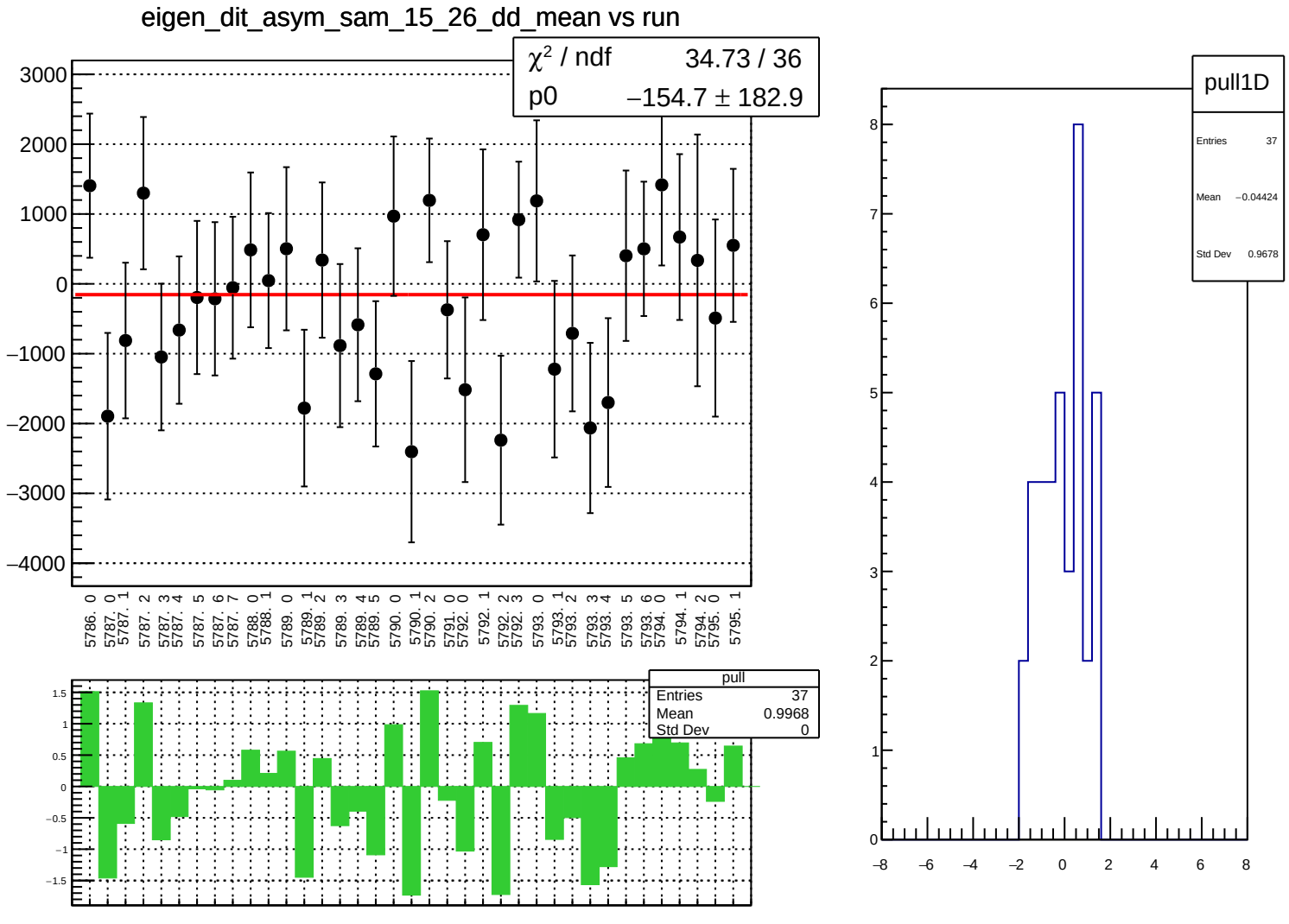

dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 34.73 / 36
p0 −154.7 ± 182.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.9964
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

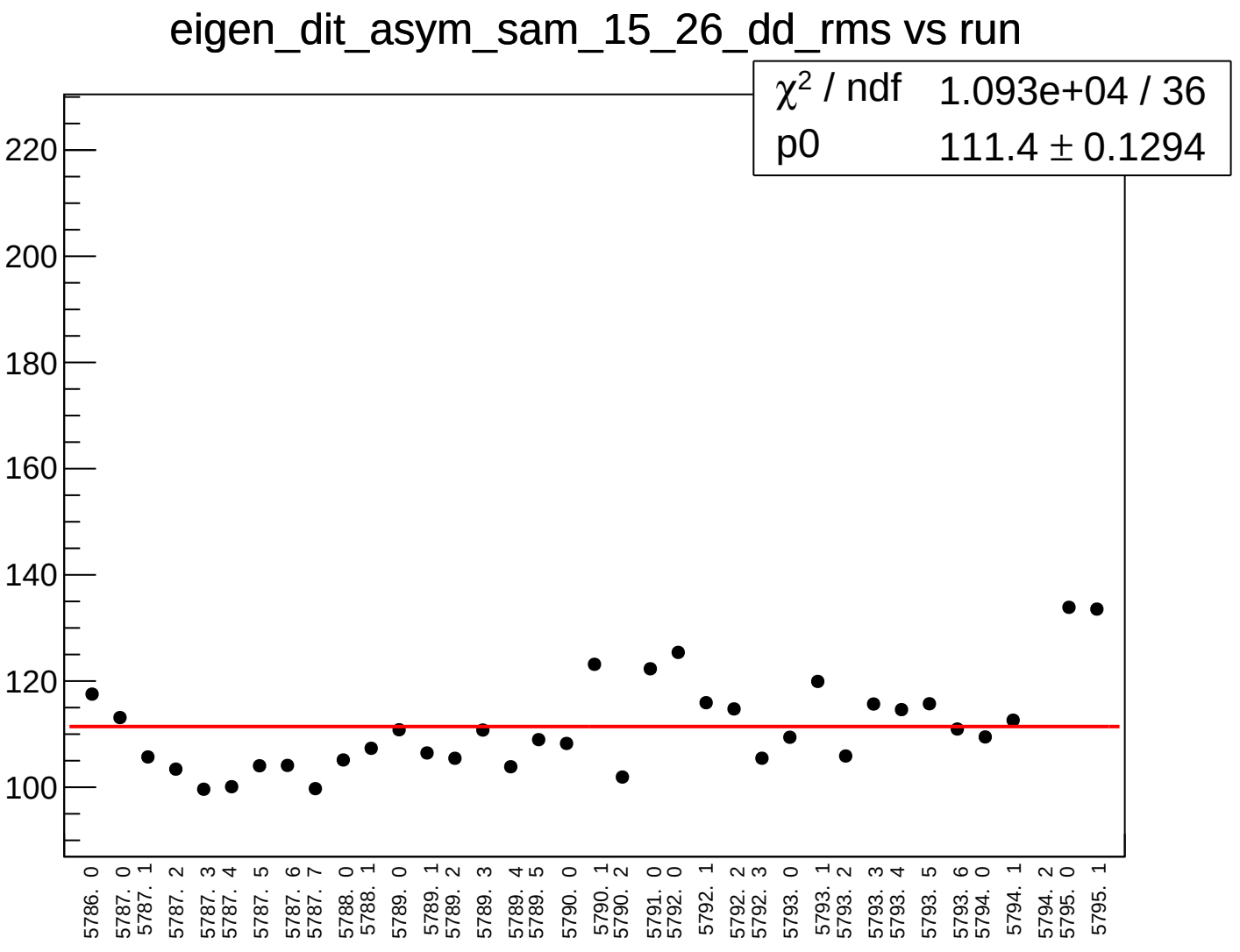

pull1D
Entries 37
Mean −0.04424
Std Dev 0.9678
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_15_26_dd_rms vs run
χ² / ndf 1.093e+04 / 36
p0 111.4 ± 0.1294
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_26_dd_dit_correction_mean vs run
χ² / ndf 40.85 / 36
p0 −1981 ± 1913
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.786
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01527
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_dit_correction_rms vs run
χ² / ndf 3751 / 36
p0 1171 ± 1.353
1350
1300
1250
1200
1150
1100
1050
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam_15_26_dd_mean vs run
χ² / ndf 34.73 / 36
p0 −154.7 ± 182.9
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.9968
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.04424
Std Dev 0.9678
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 1.093e+04 / 36
p0 111.4 ± 0.1294
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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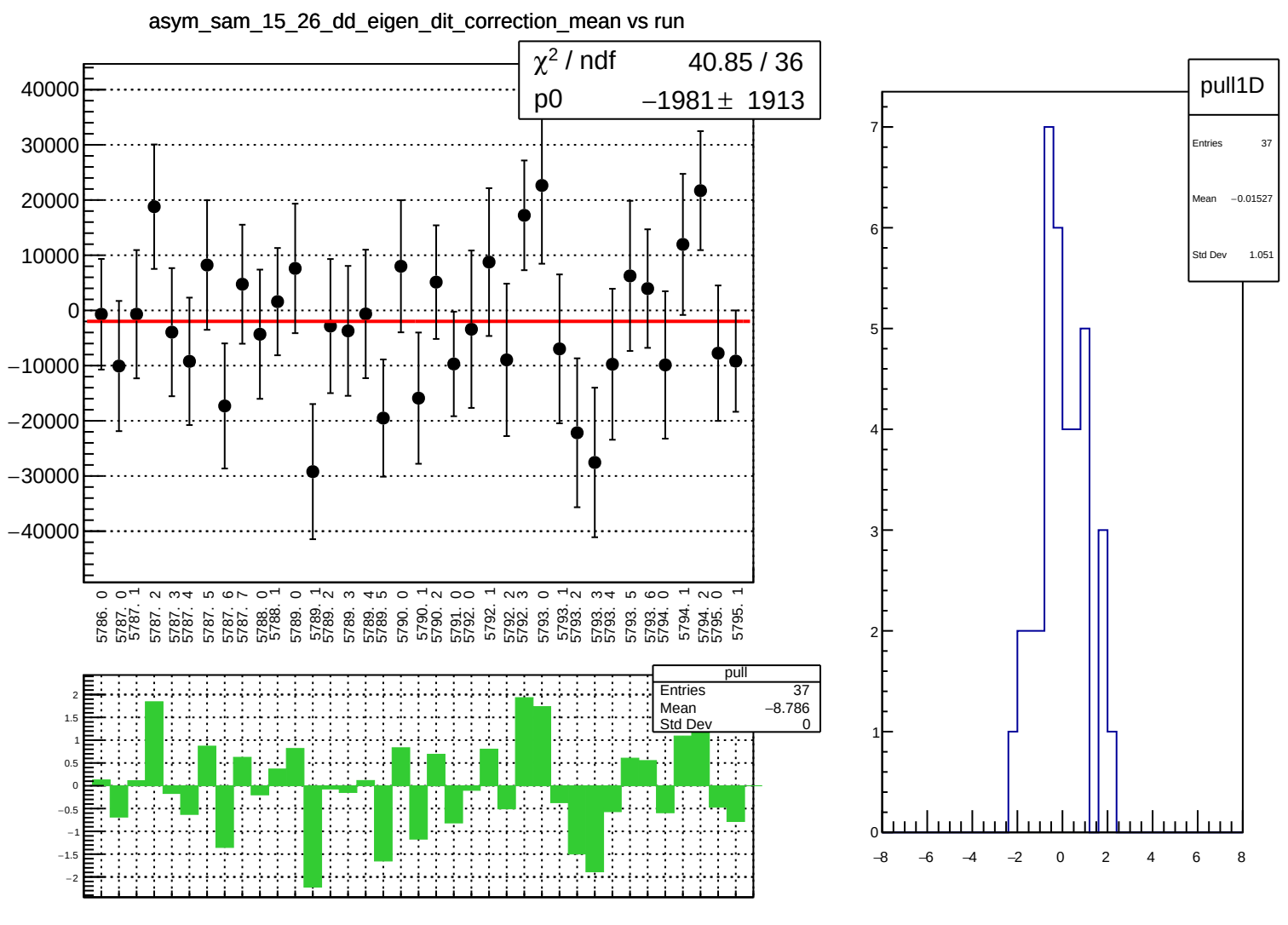
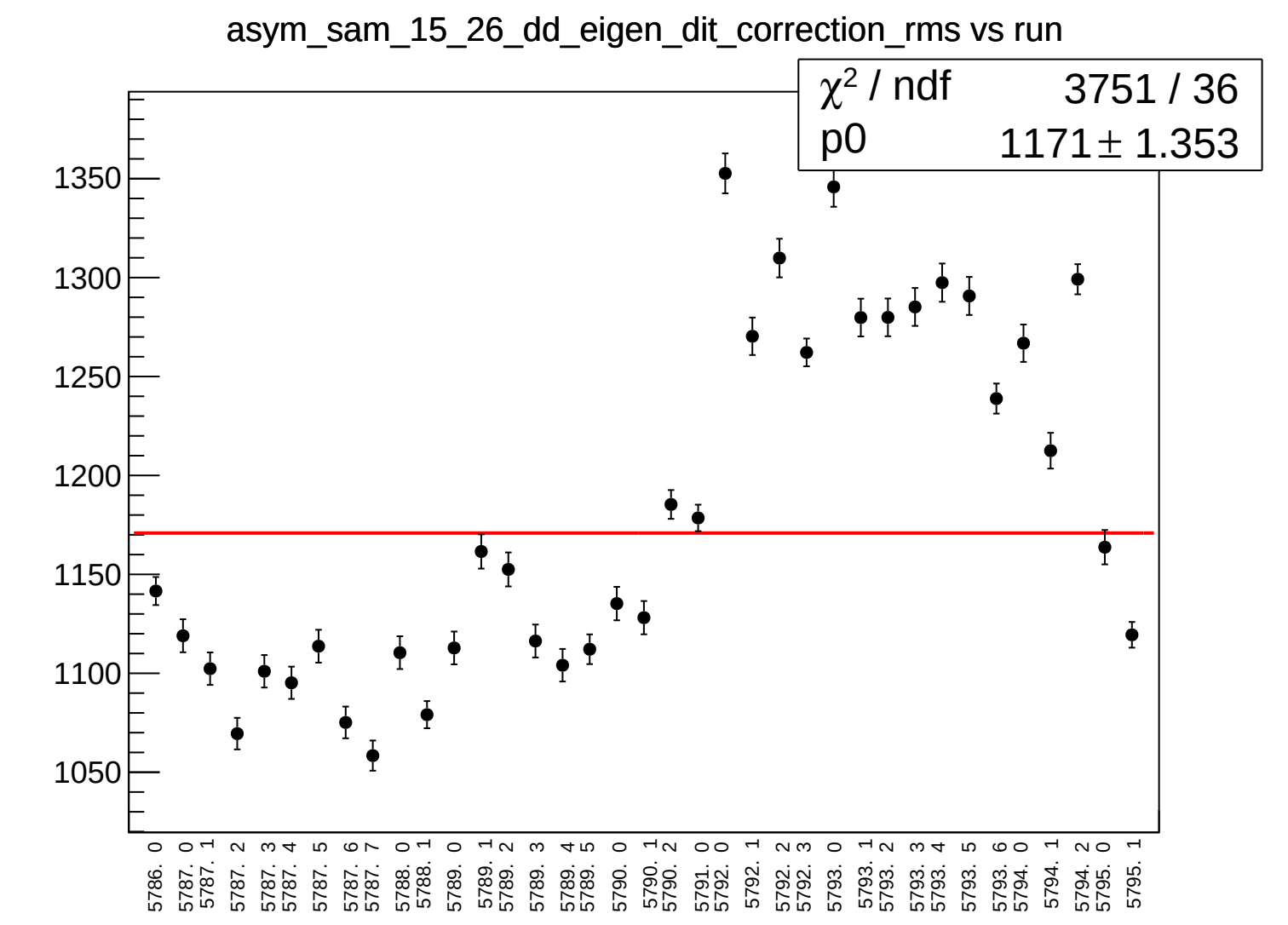
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.85 / 36
p0 −1981 ± 1913
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.786
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01527
Std Dev 1.051
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_15_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 3751 / 36
p0 1171 ± 1.353
1350
1300
1250
1200
1150
1100
1050
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
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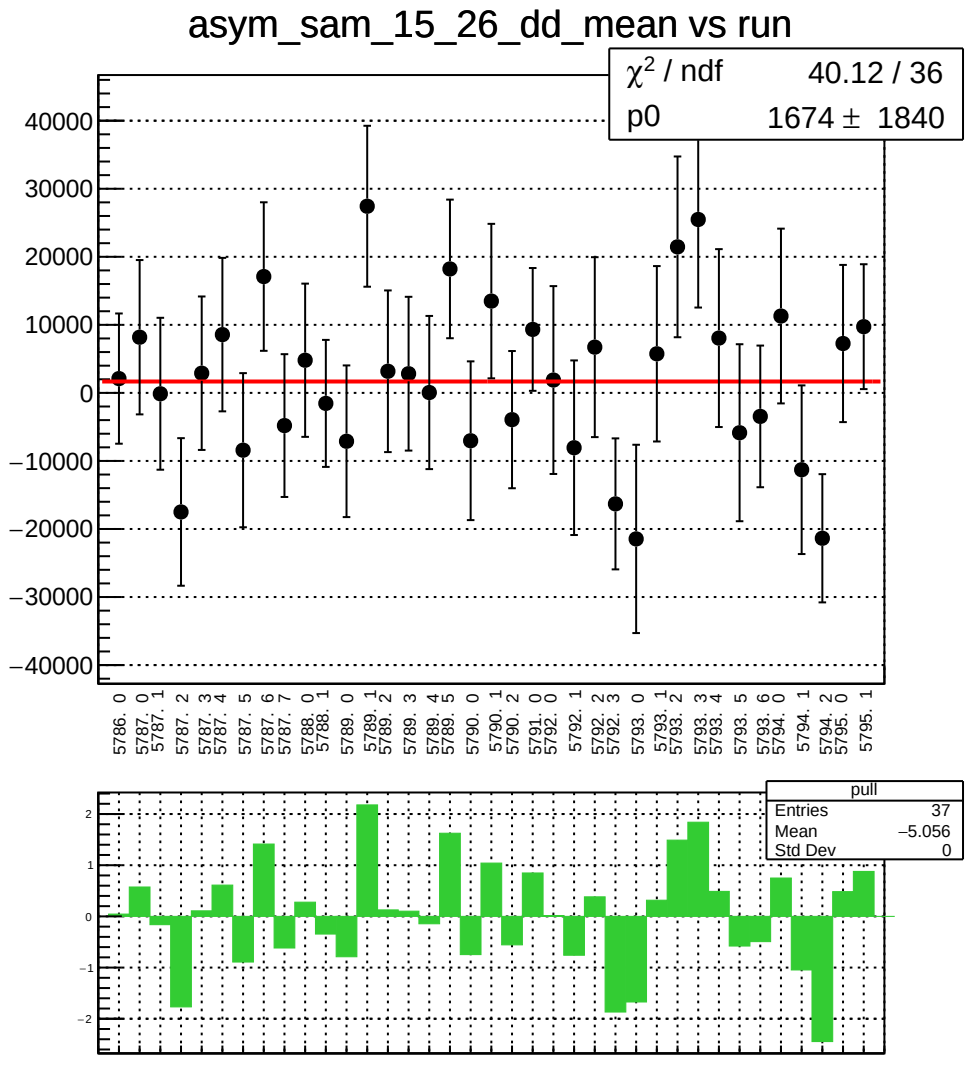
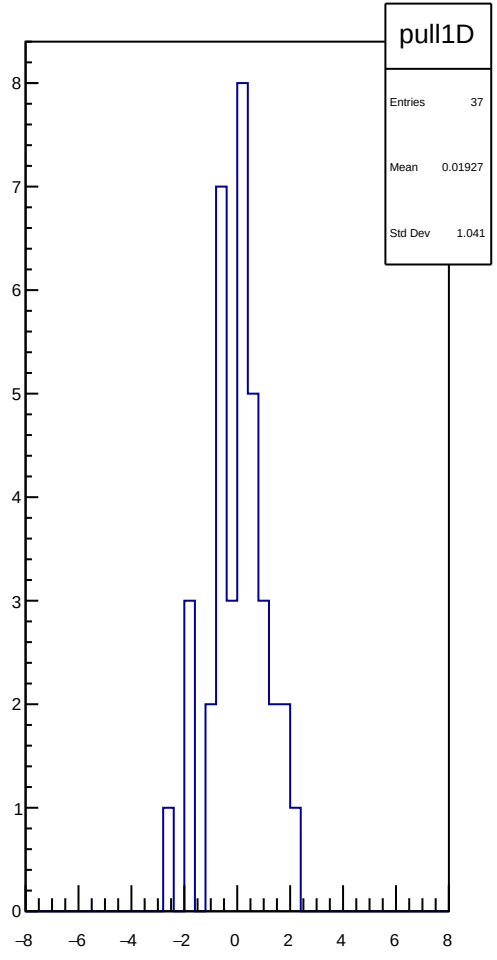
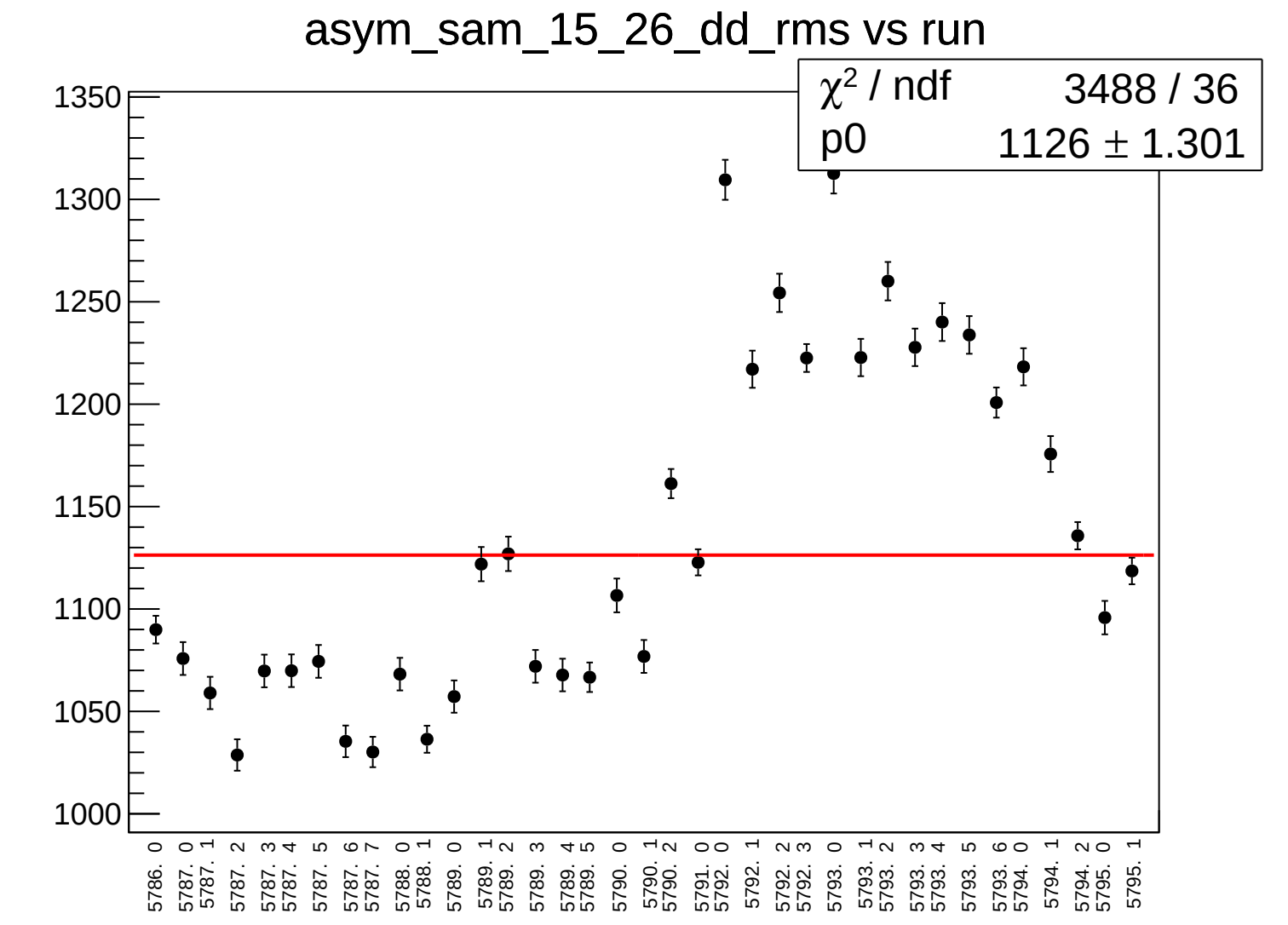
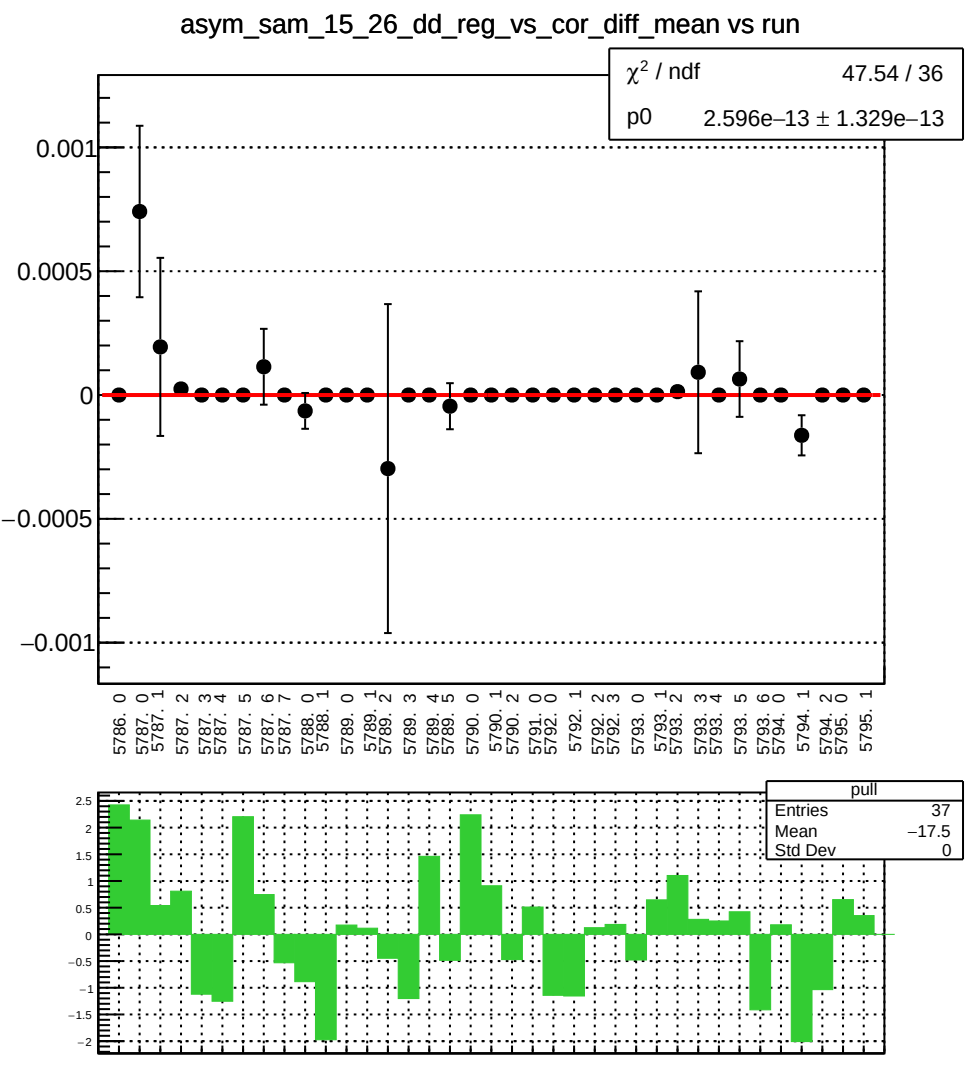
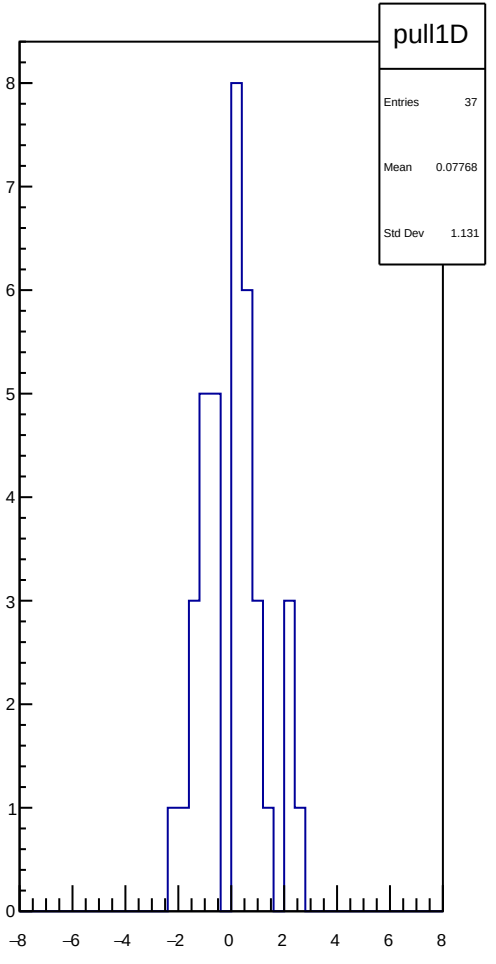
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

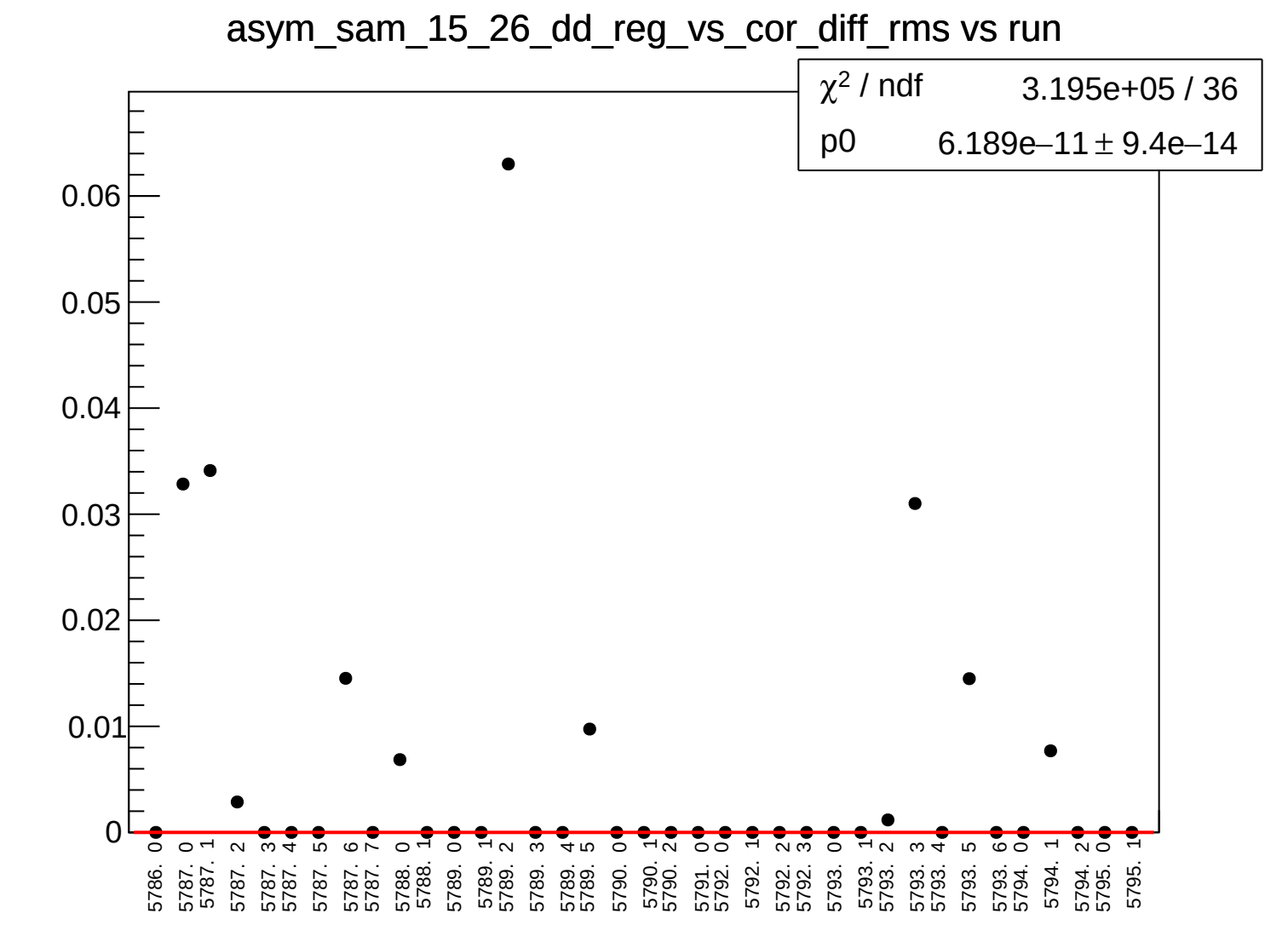

asym_sam_15_26_dd_mean vs run
χ² / ndf 40.12 / 36
p0 1674 ± 1840
40000
30000
20000
10000
0
−10000
−20000
−30000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5.056
Std Dev 0
2
1
0
−1
−2

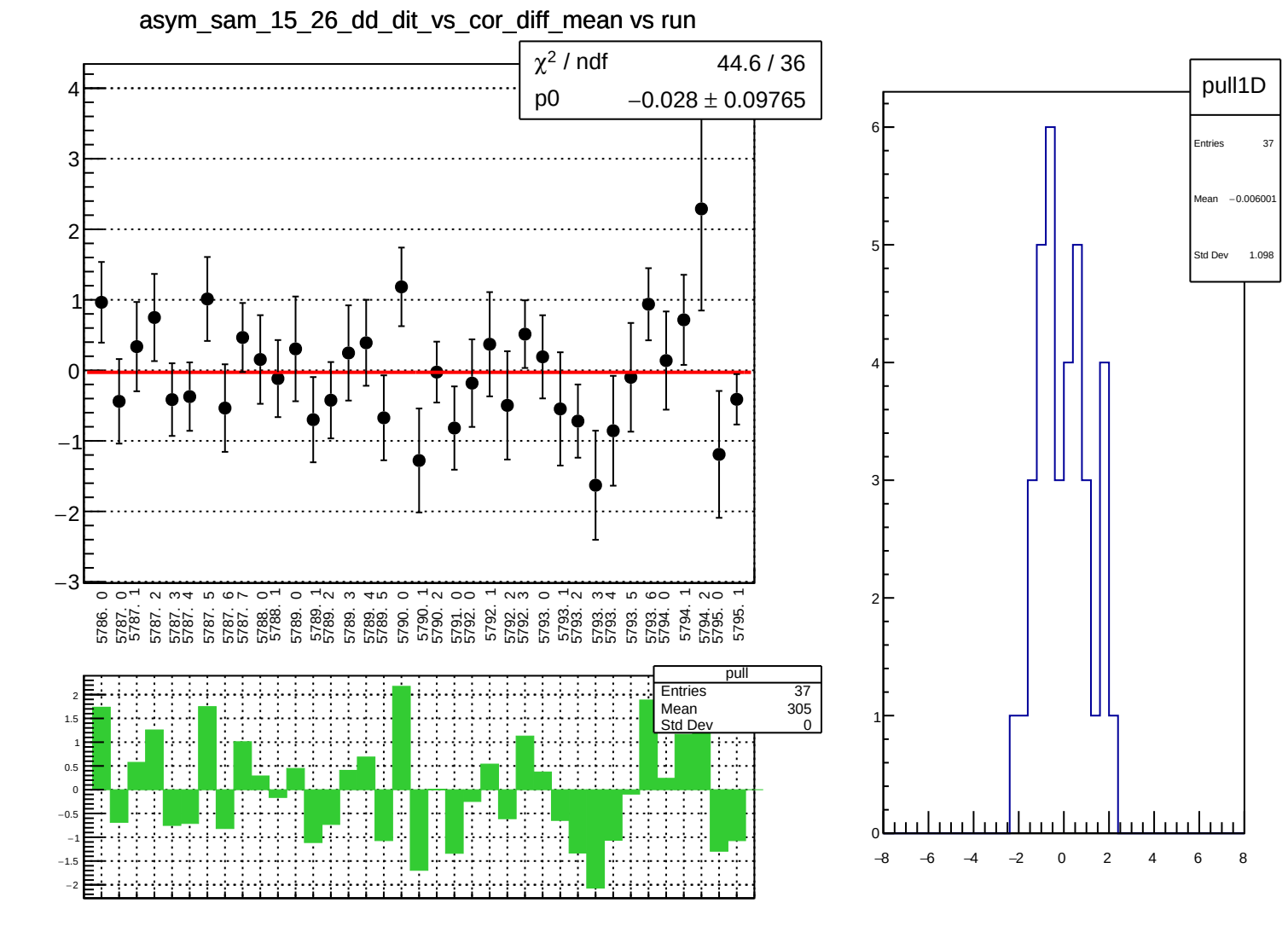

pull1D
Entries 37
Mean 0.01927
Std Dev 1.041
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

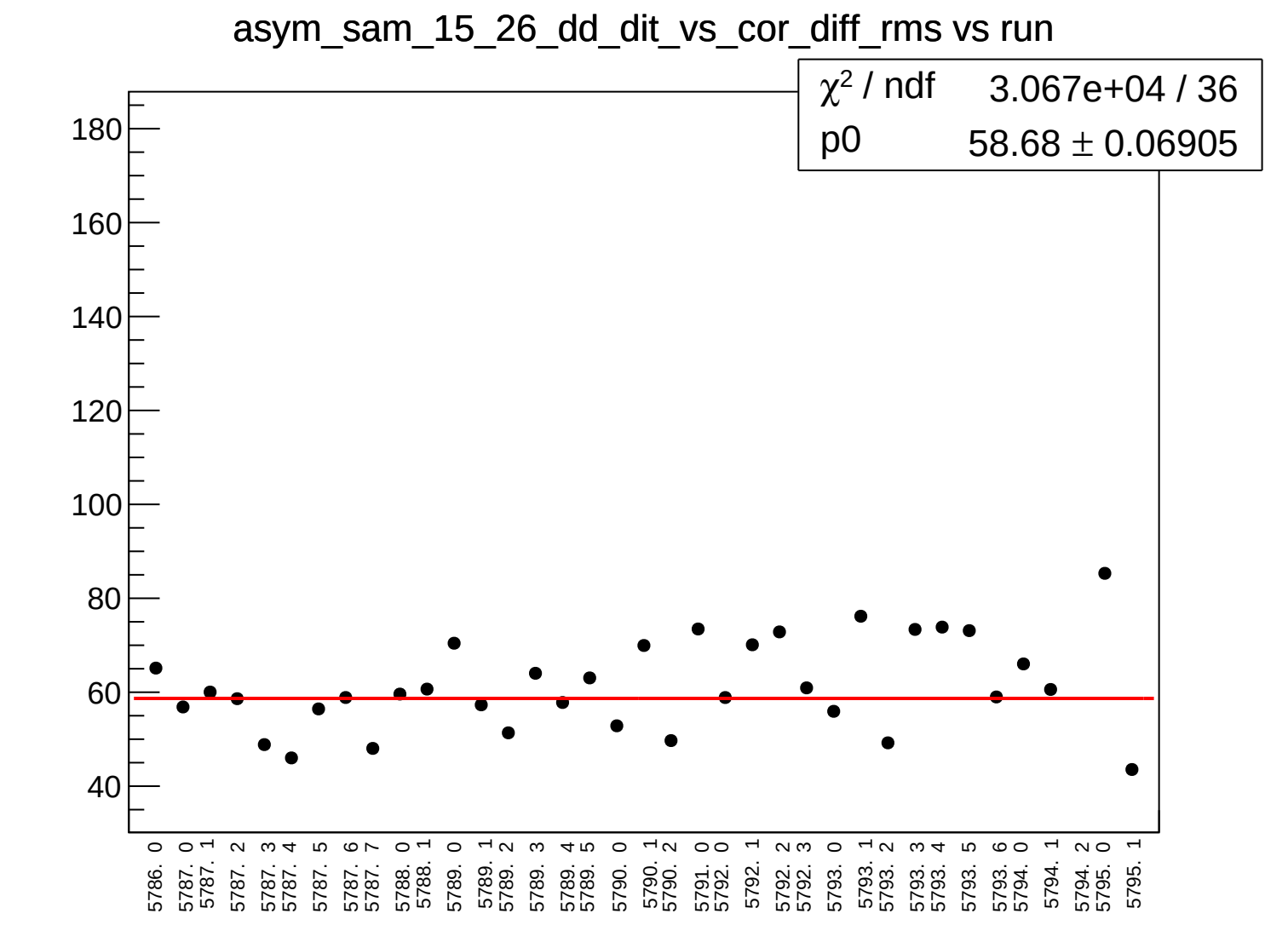

asym_sam_15_26_dd_rms vs run
χ² / ndf 3488 / 36
p0 1126 ± 1.301
1350
1300
1250
1200
1150
1100
1050
1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

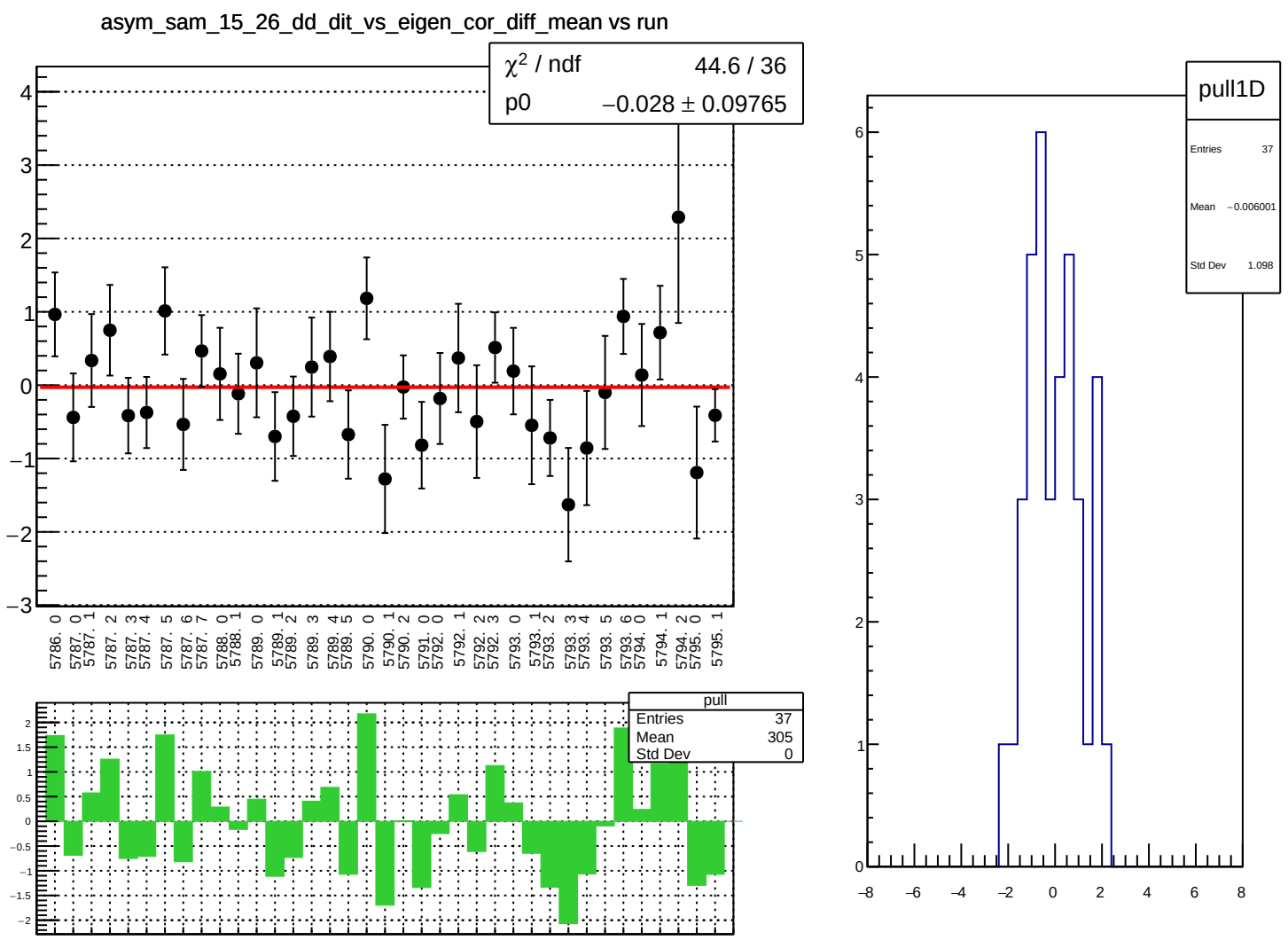

asym_sam_15_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.54 / 36
p0 2.596e−13 ± 1.329e−13
0.001
0.0005
0
−0.0005
−0.001
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −17.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

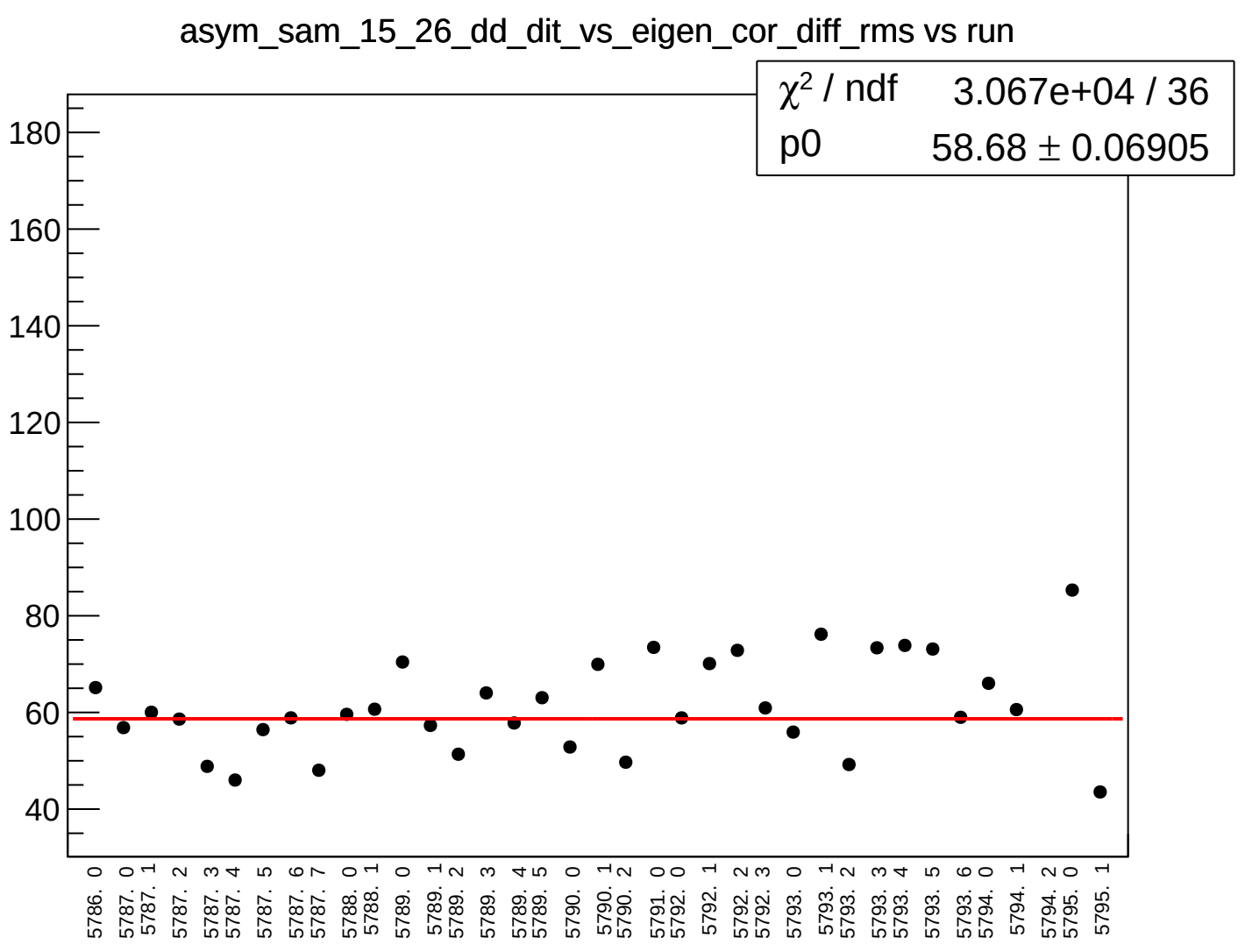

pull1D
Entries 37
Mean 0.07768
Std Dev 1.131
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

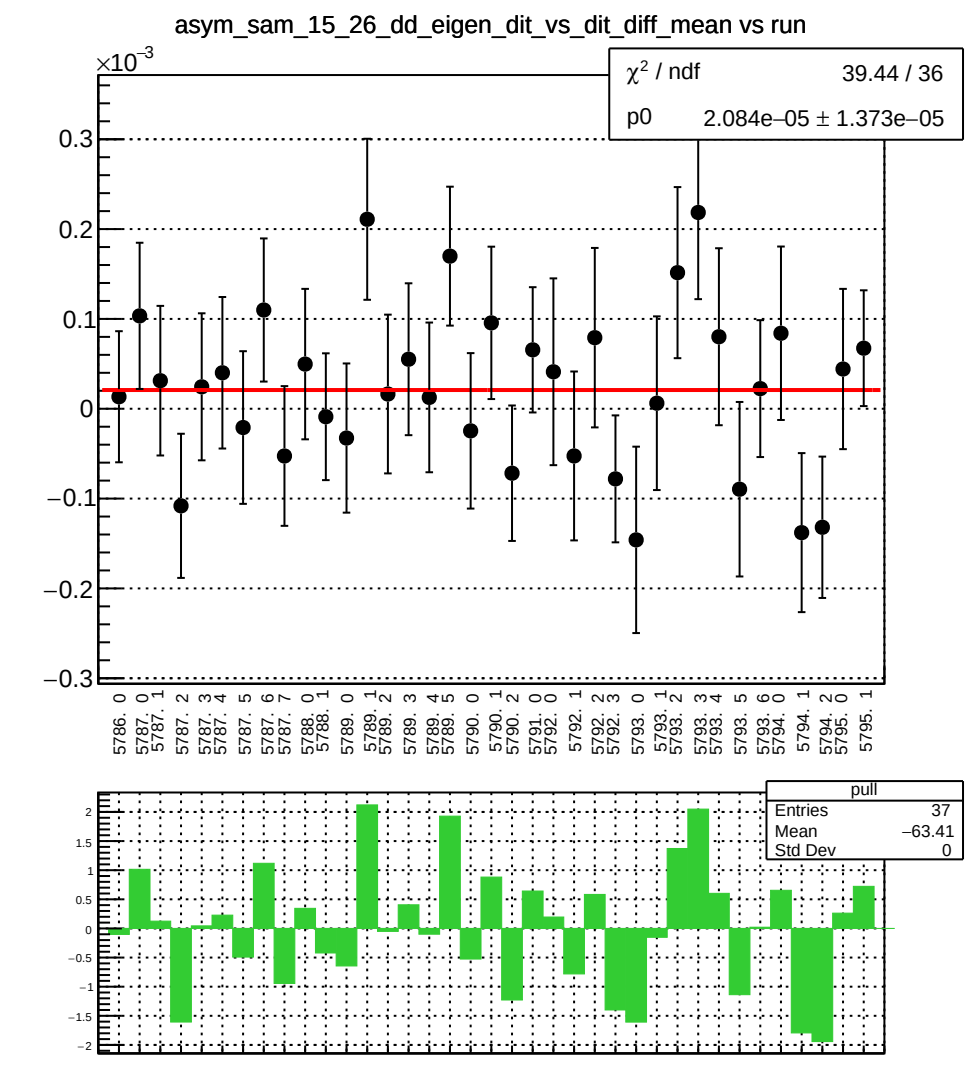

asym_sam_15_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.195e+05 / 36
p0 6.189e−11 ± 9.4e−14
0.06
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

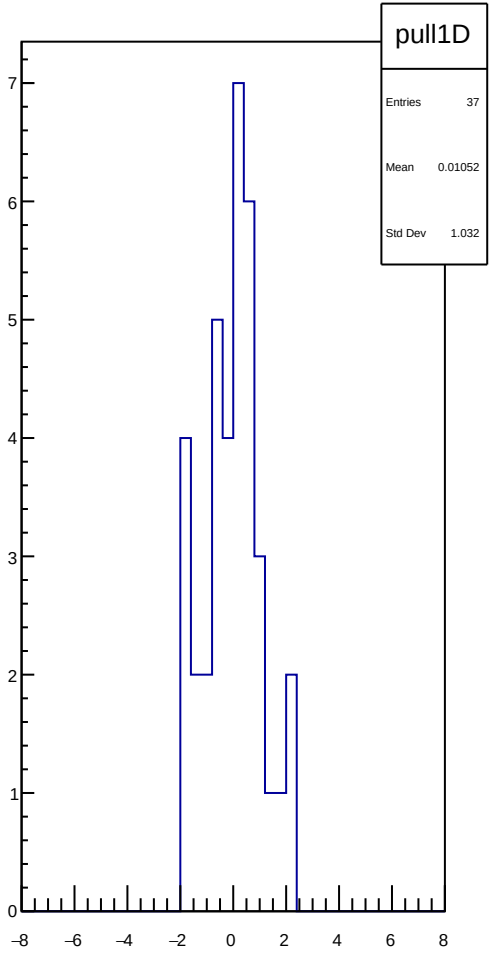

asym_sam_15_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 44.6 / 36
p0 −0.028 ± 0.09765
pull
Entries 37
Mean 305
Std Dev 0
pull1D
Entries 37
Mean −0.006001
Std Dev 1.098

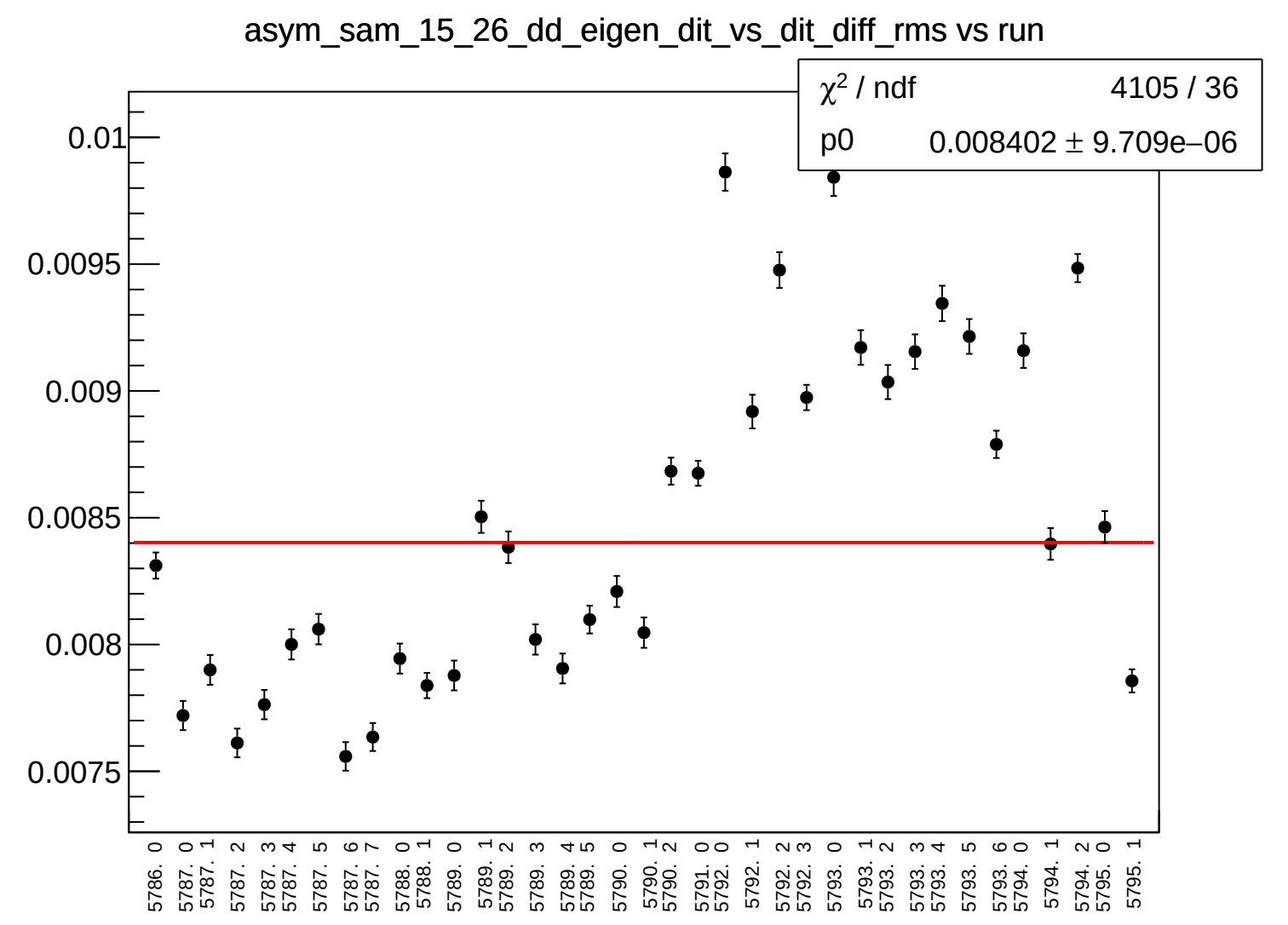

asym_sam_15_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.067e+04 / 36
p0 58.68 ± 0.06905
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_15_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.6 / 36
p0 −0.028 ± 0.09765
pull
Entries 37
Mean 305
Std Dev 0
pull1D
Entries 37
Mean −0.006001
Std Dev 1.098

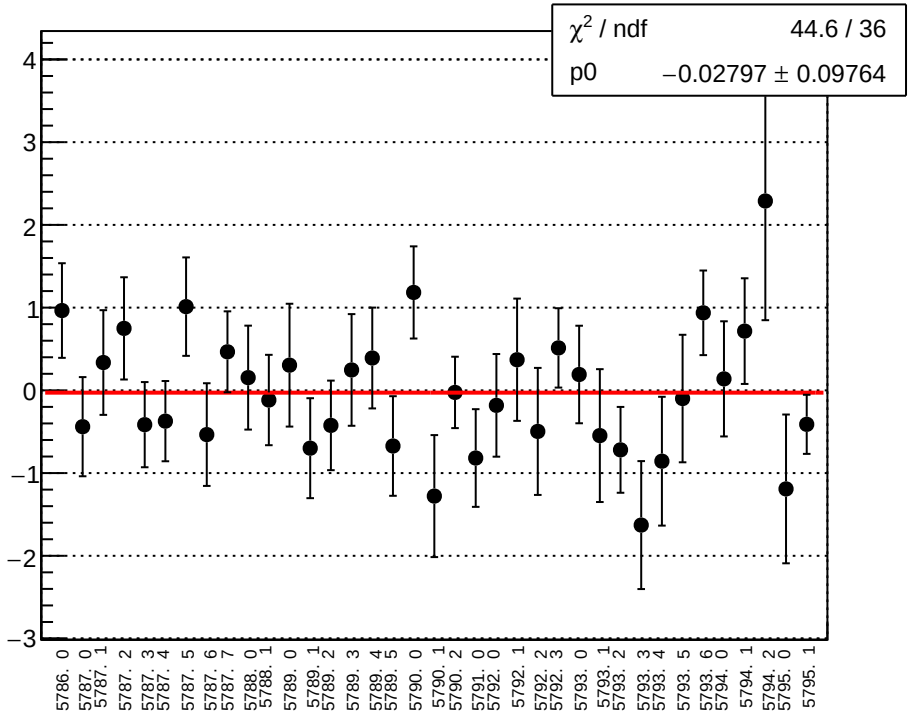

asym_sam_15_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.067e+04 / 36
p0 58.68 ± 0.06905
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

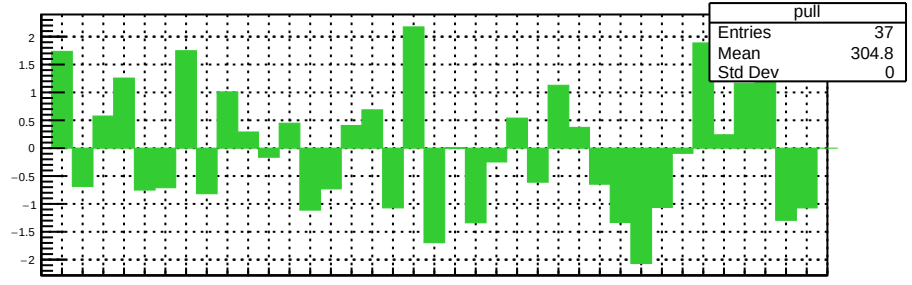

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.44 / 36
p0 2.084e−05 ± 1.373e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −63.41
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

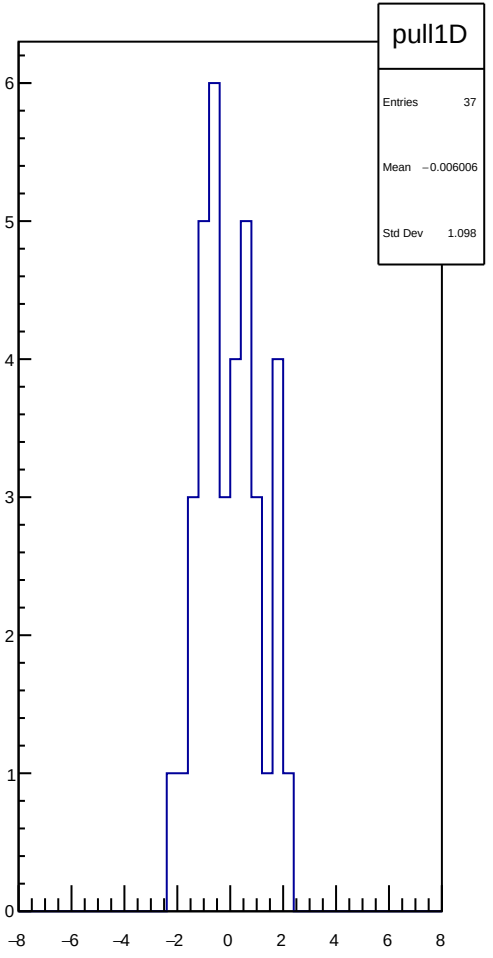

pull1D
Entries 37
Mean 0.01052
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

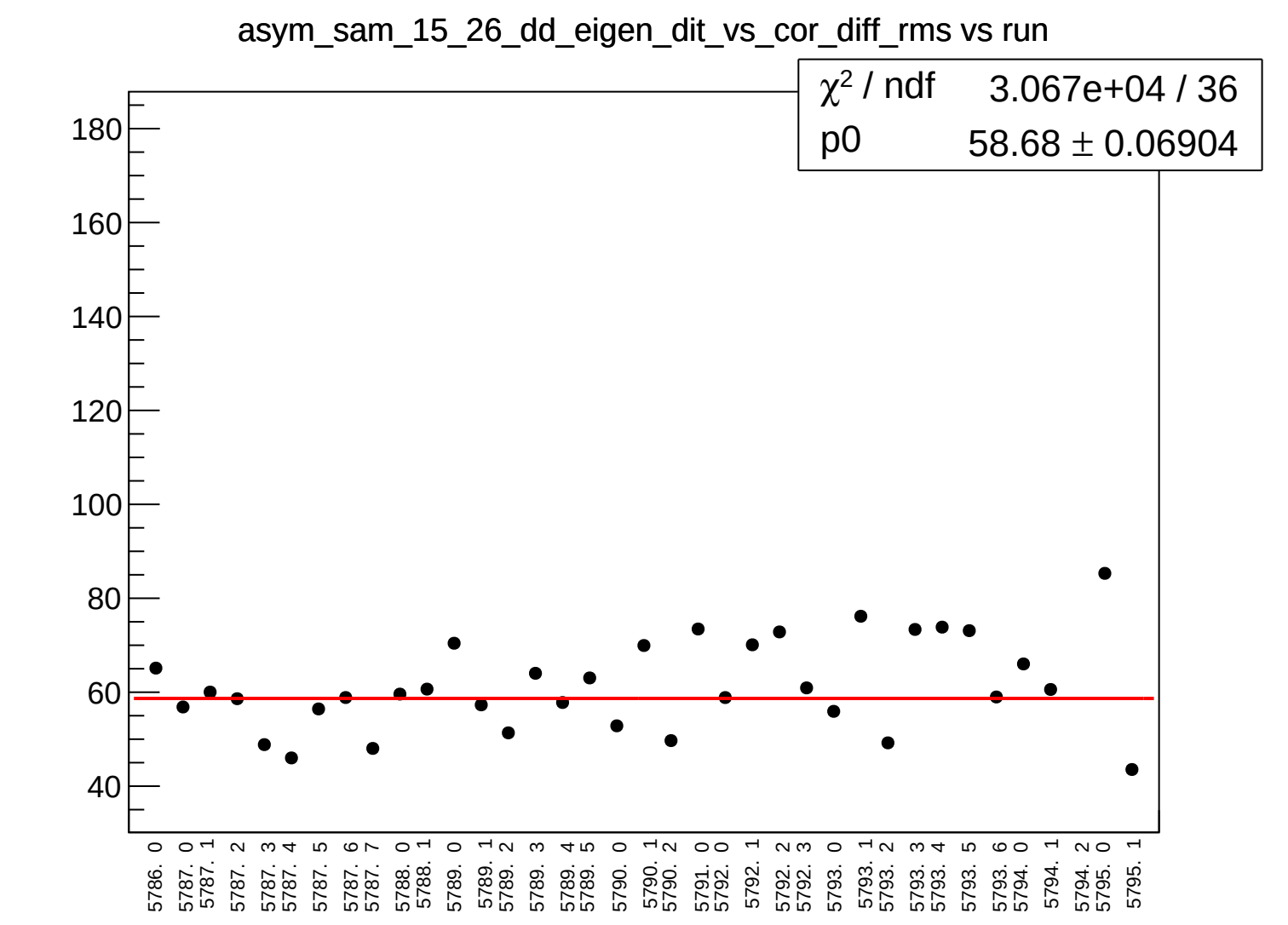

asym_sam_15_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4105 / 36
p0 0.008402 ± 9.709e−06
0.01
0.0095
0.009
0.0085
0.008
0.0075
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

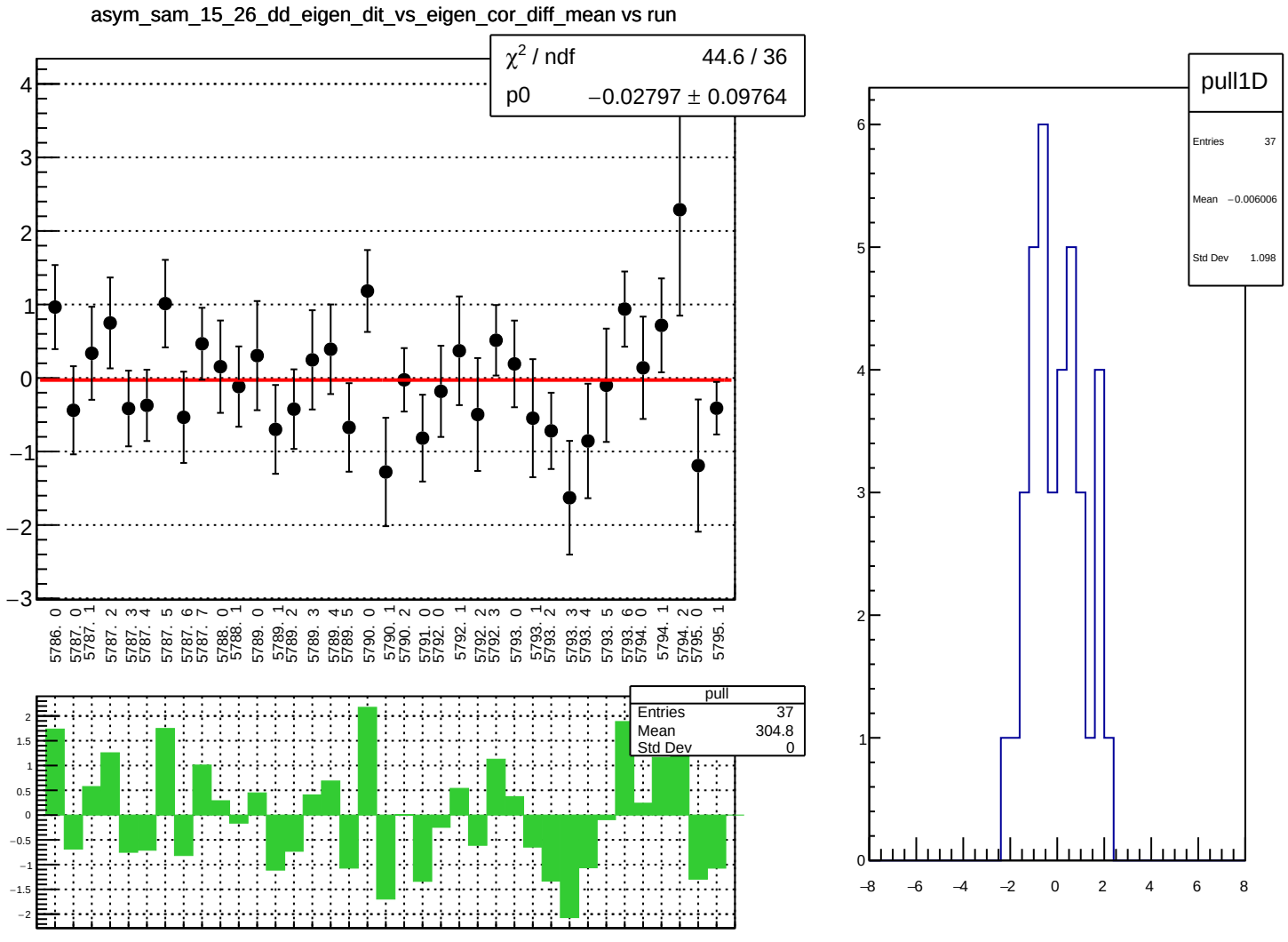
asym_sam_15_26_dd_eigen_dit_vs_cor_diff_mean vs run

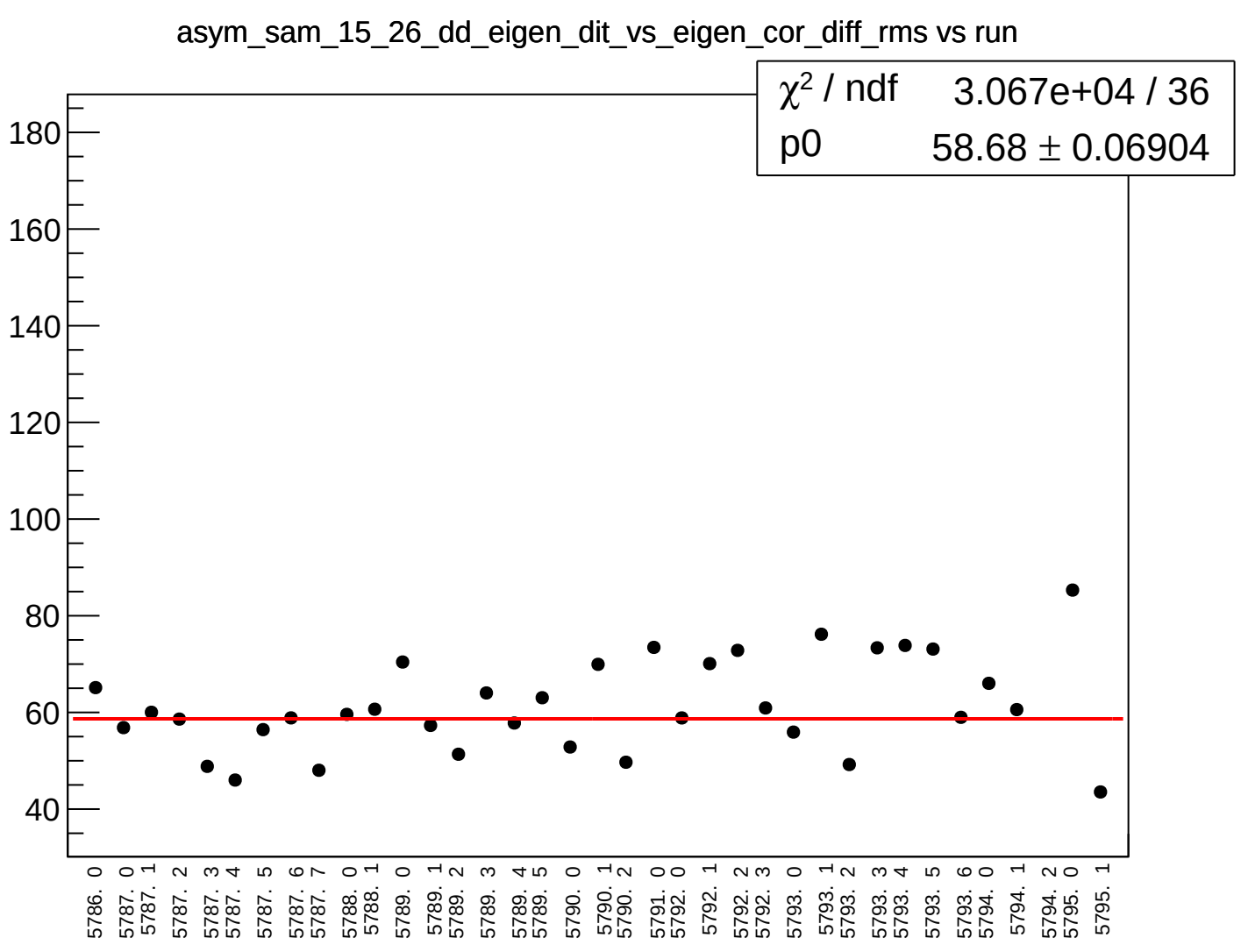


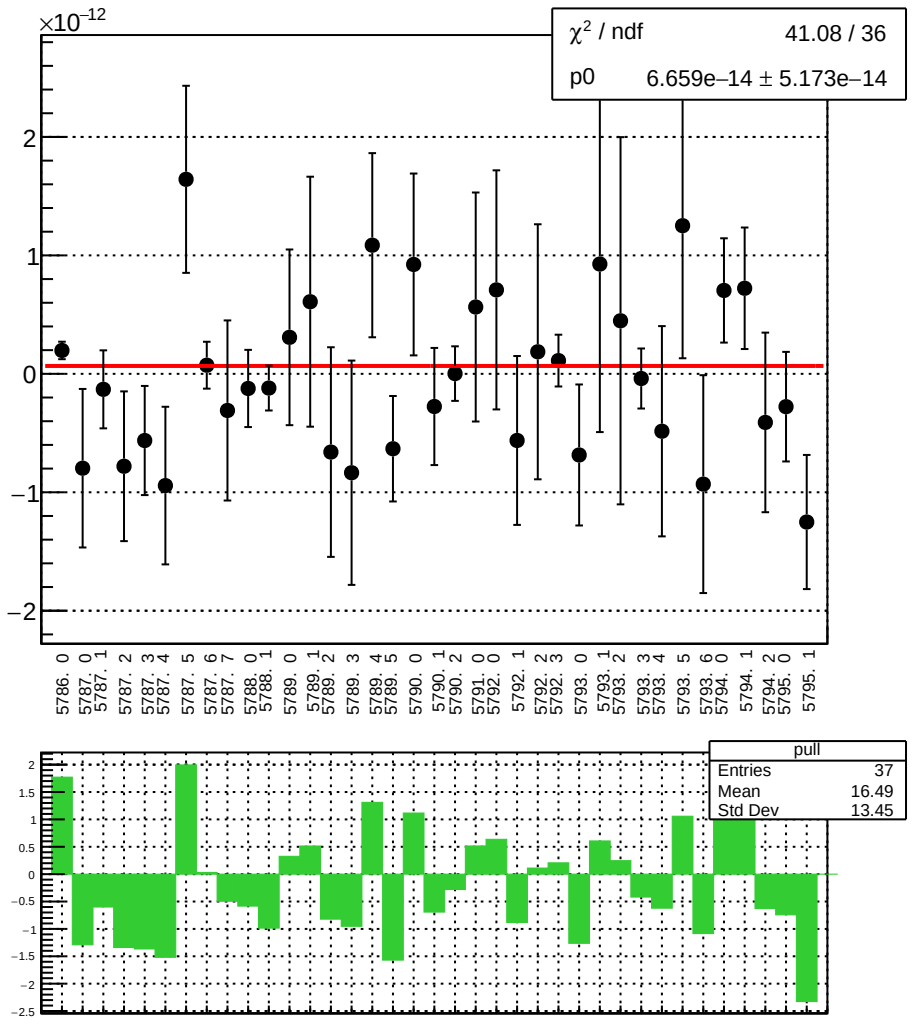


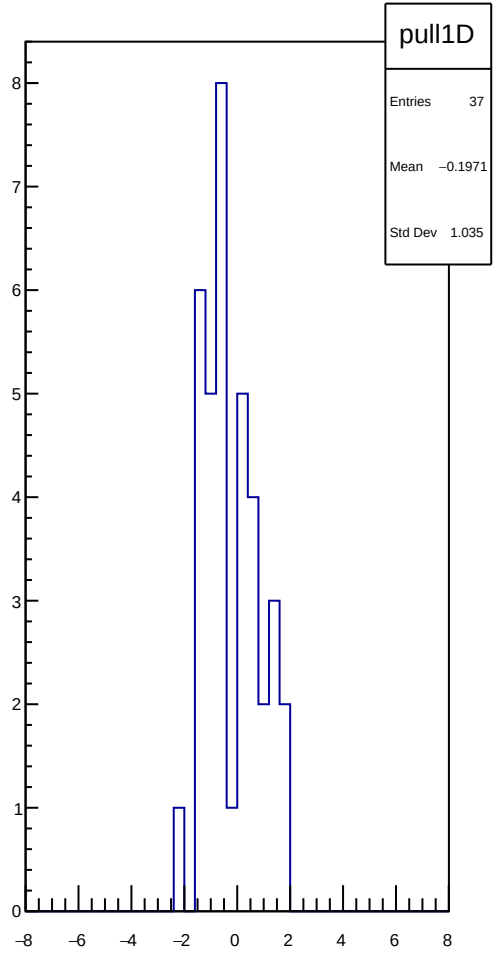


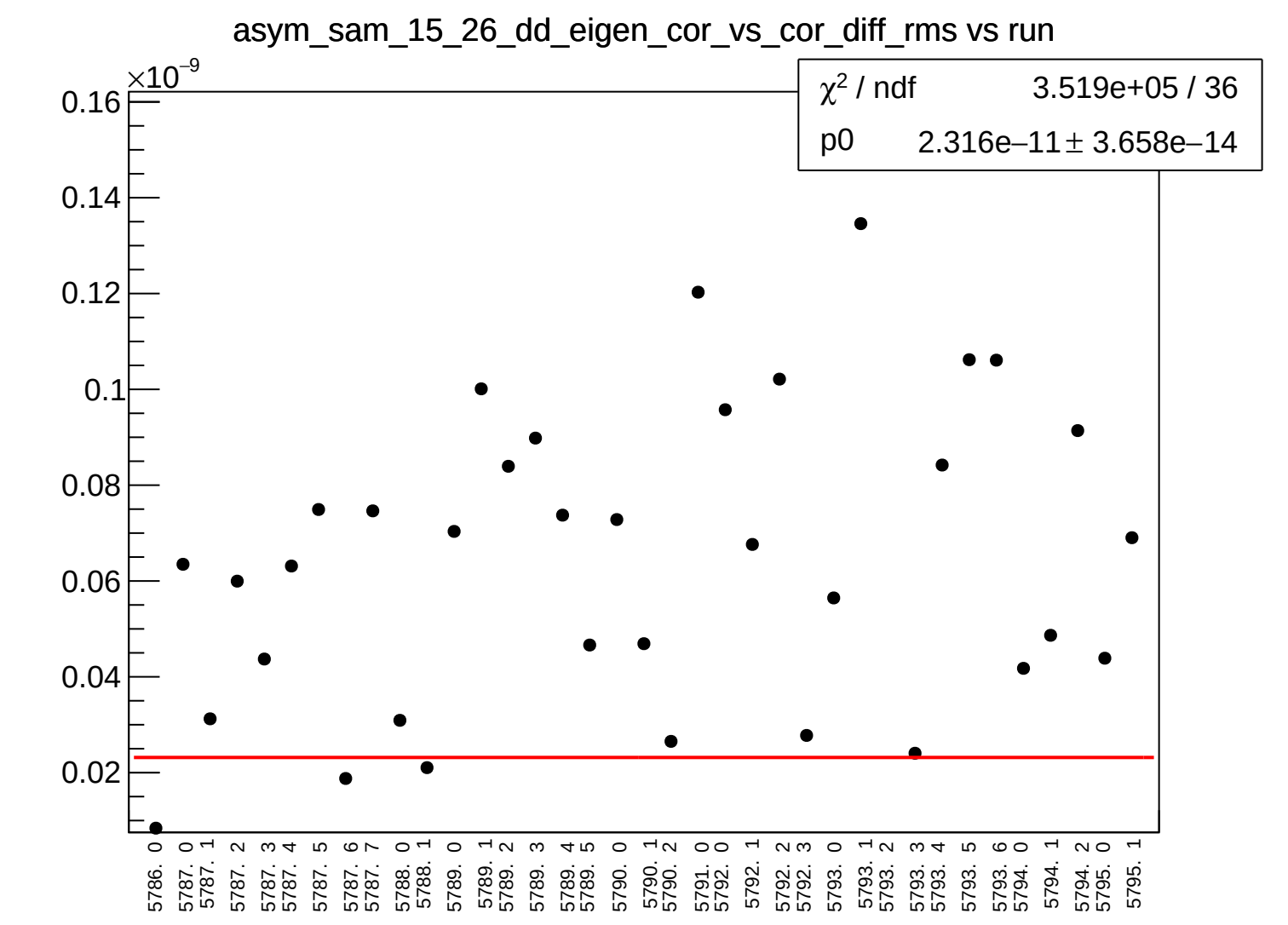

asym_sam_15_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.067e+04 / 36
p0 58.68 ± 0.06904
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

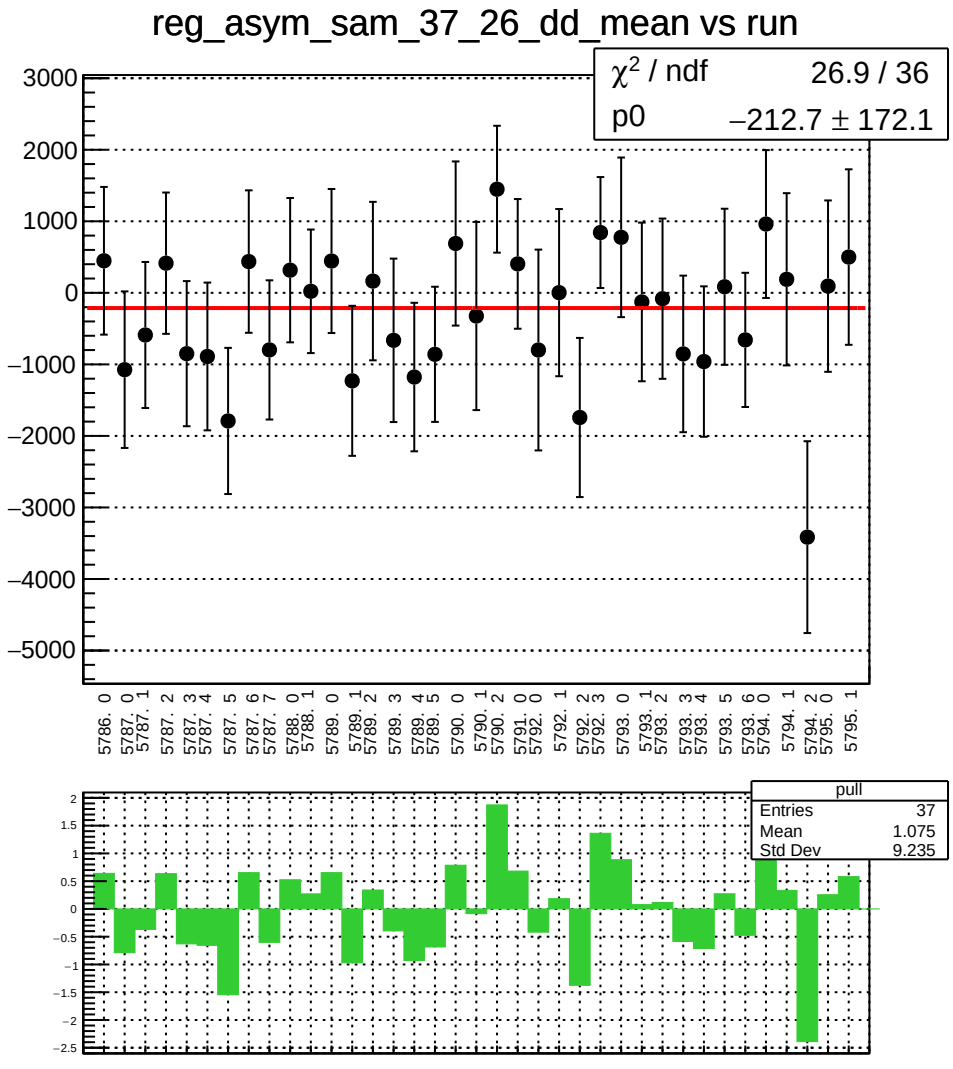

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 44.6 / 36
p0 −0.02797 ± 0.09764
pull
Entries 37
Mean 304.8
Std Dev 0
pull1D
Entries 37
Mean −0.006006
Std Dev 1.098

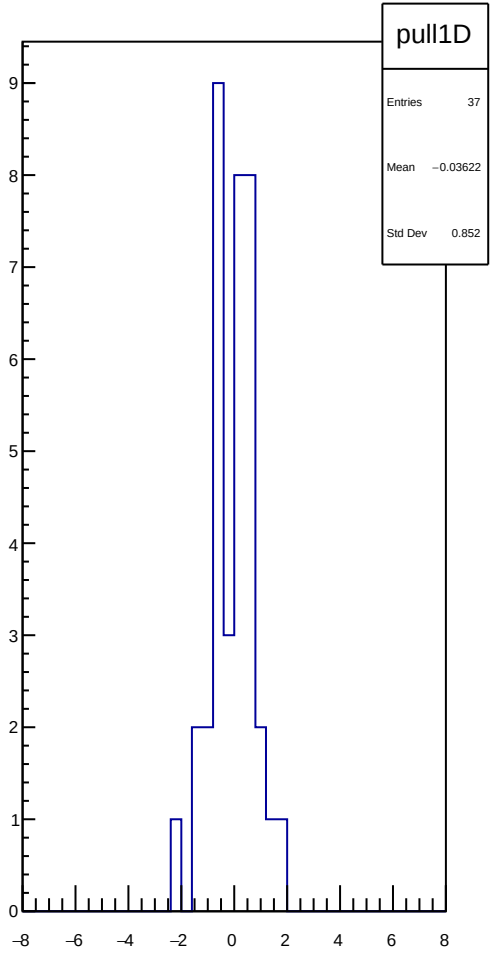

asym_sam_15_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.067e+04 / 36
p0 58.68 ± 0.06904
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

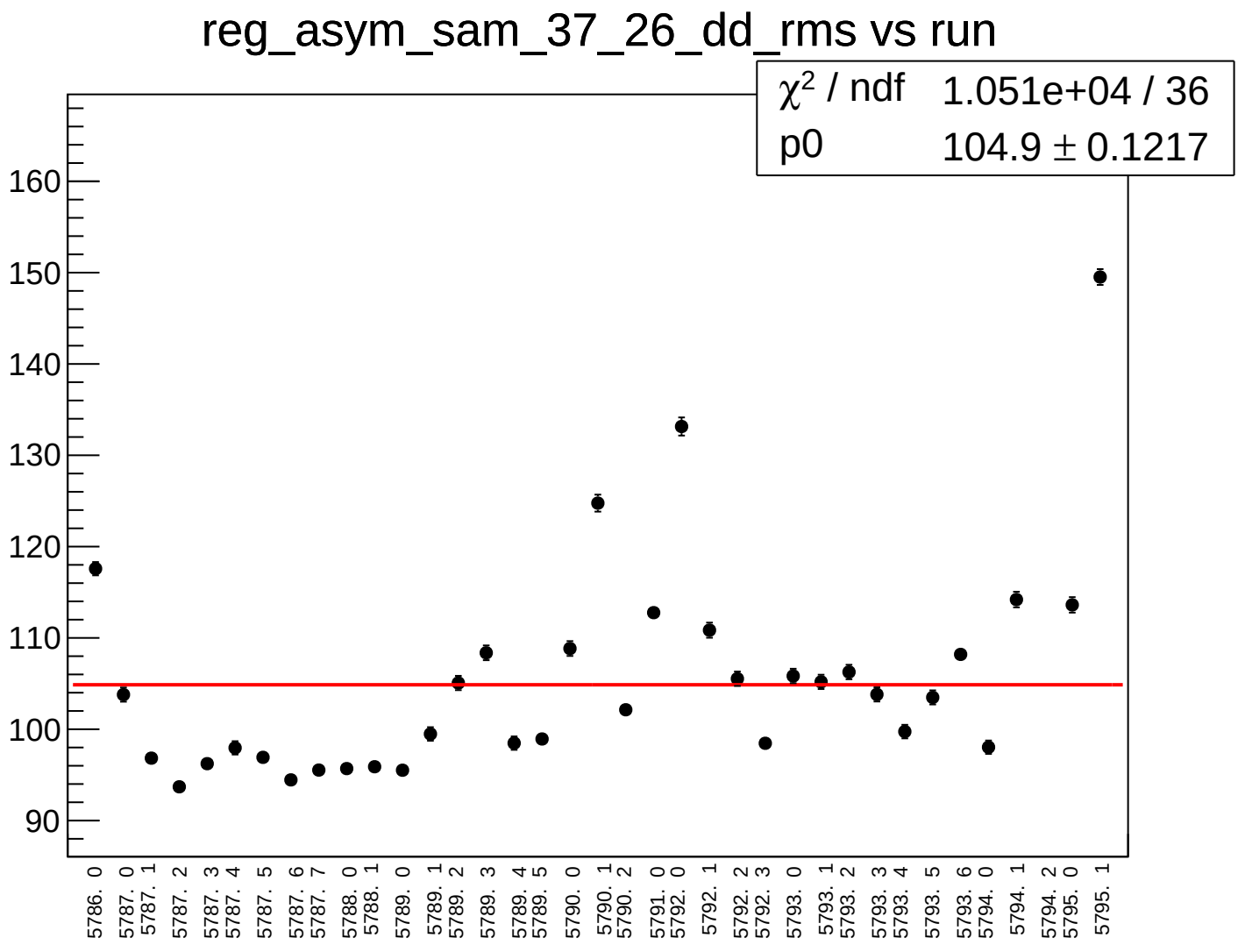

asym_sam_15_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 41.08 / 36
p0 6.659e−14 ± 5.173e−14
pull
Entries 37
Mean 16.49
Std Dev 13.45


pull1D
Entries 37
Mean −0.1971
Std Dev 1.035


asym_sam_15_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 3.519e+05 / 36
p0 2.316e−11 ± 3.658e−14
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


reg_asym_sam_37_26_dd_mean vs run
χ² / ndf 26.9 / 36
p0 −212.7 ± 172.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.075
Std Dev 9.235
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5


pull1D
Entries 37
Mean −0.03622
Std Dev 0.852
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.051e+04 / 36
p0 104.9 ± 0.1217
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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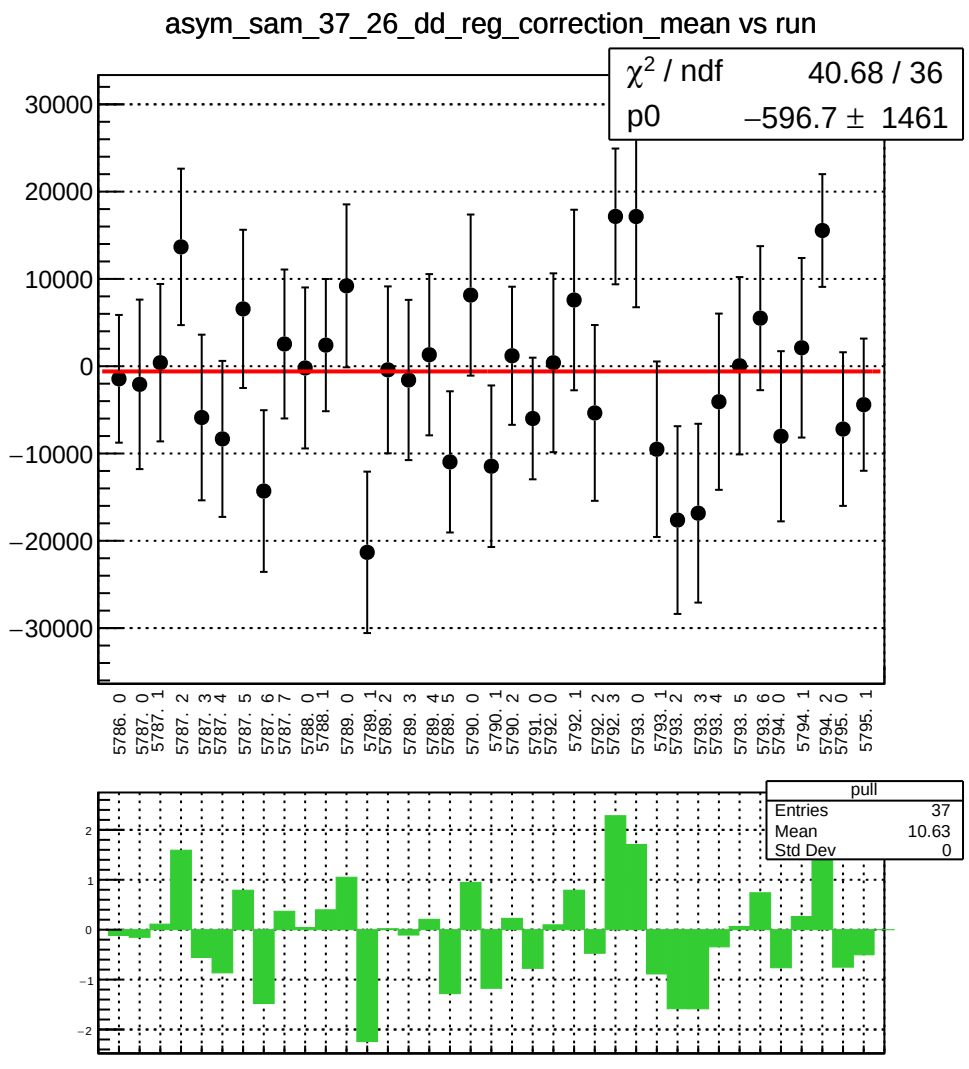
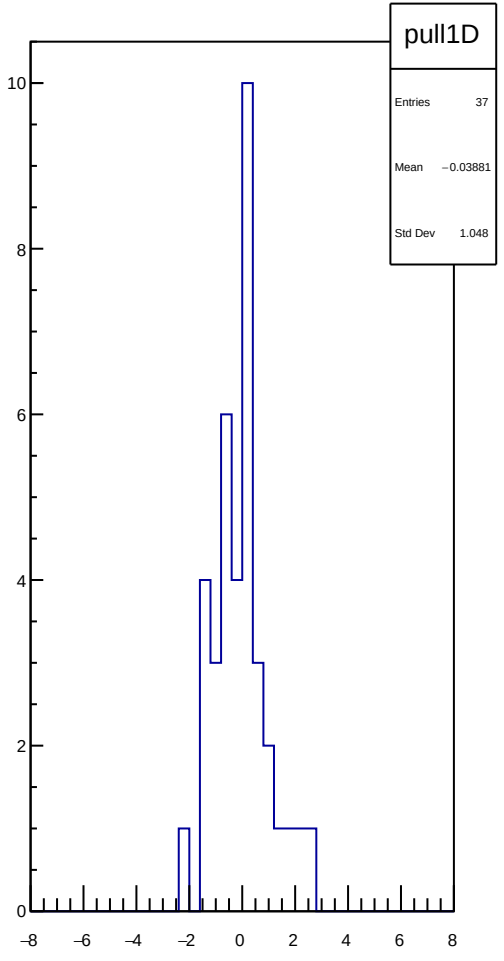
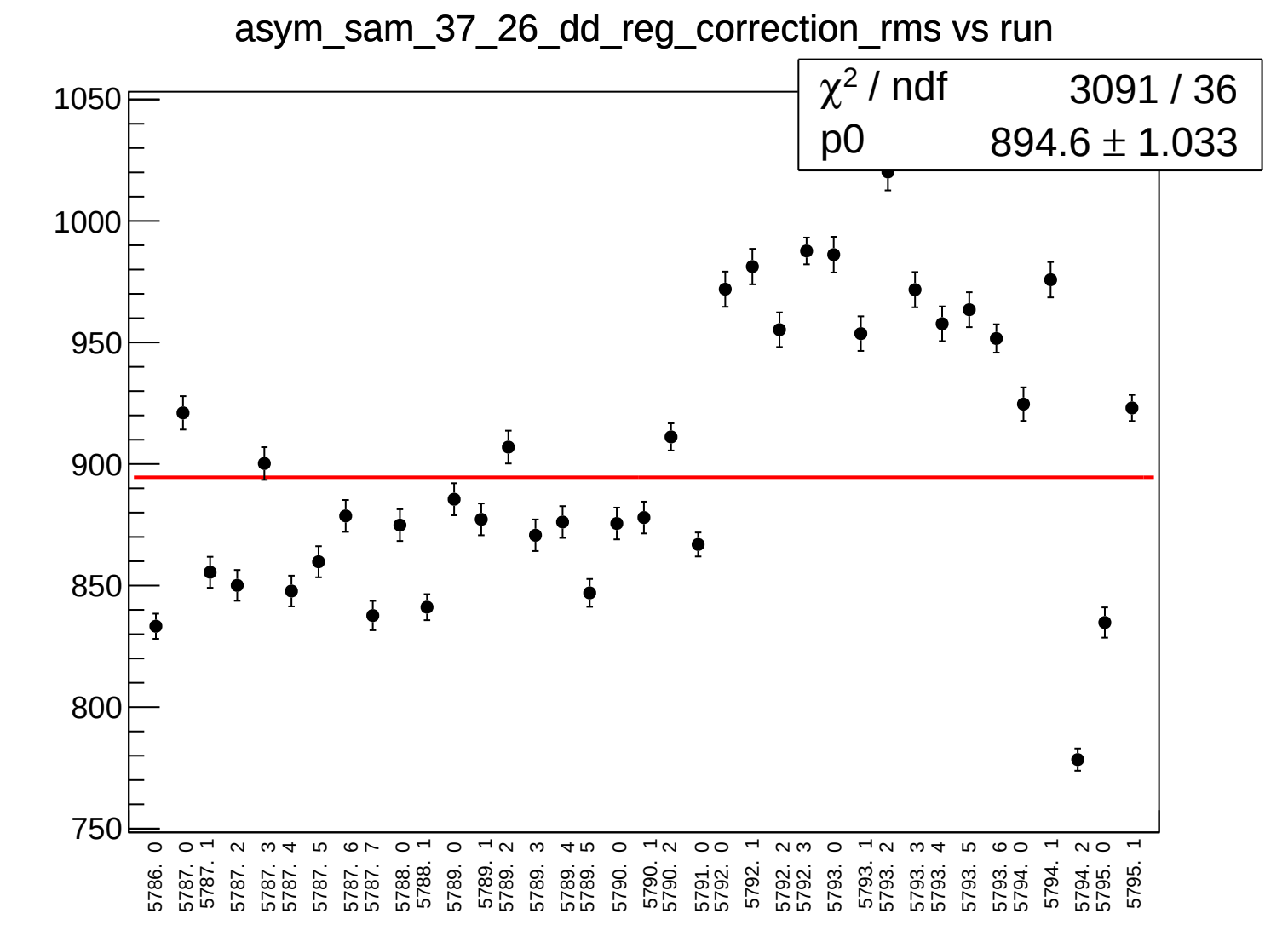
5794. 2
5795. 0
5795. 1


asym_sam_37_26_dd_reg_correction_mean vs run
χ² / ndf 40.68 / 36
p0 −596.7 ± 1461
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.63
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.03881
Std Dev 1.048
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 3091 / 36
p0 894.6 ± 1.033
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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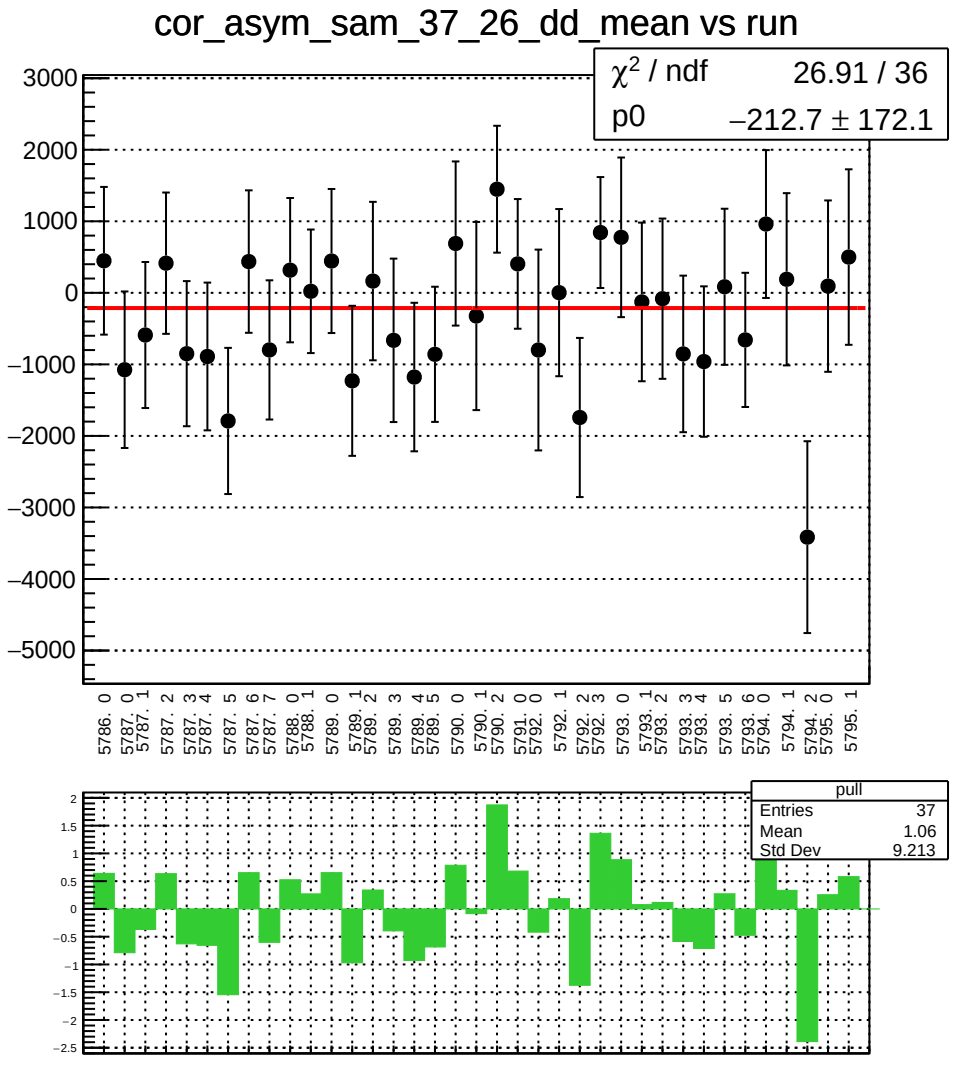
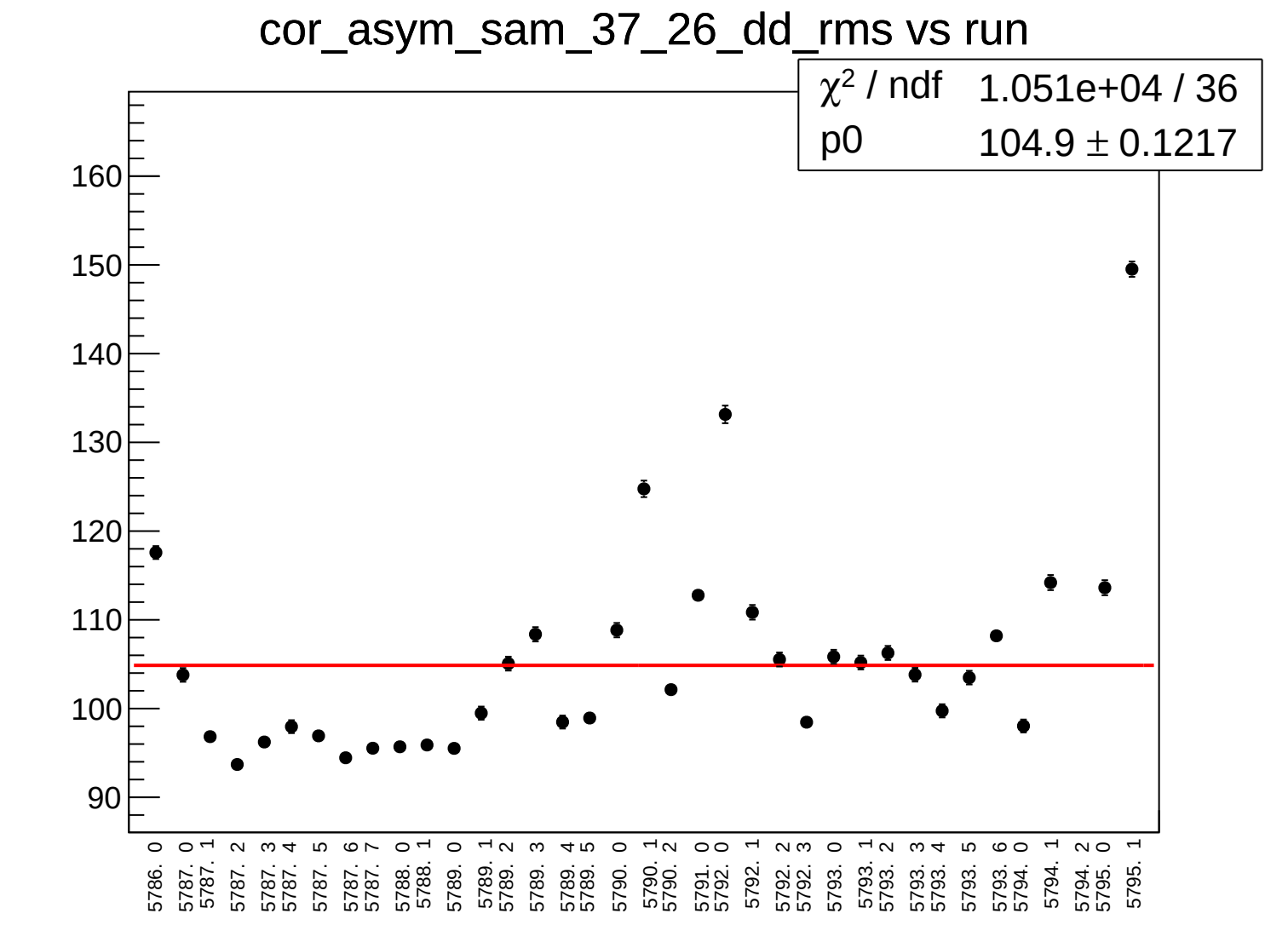
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 26.91 / 36
p0 −212.7 ± 172.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.06
Std Dev 9.213
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.03622
Std Dev 0.852
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.051e+04 / 36
p0 104.9 ± 0.1217
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
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5790. 2
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5792. 2
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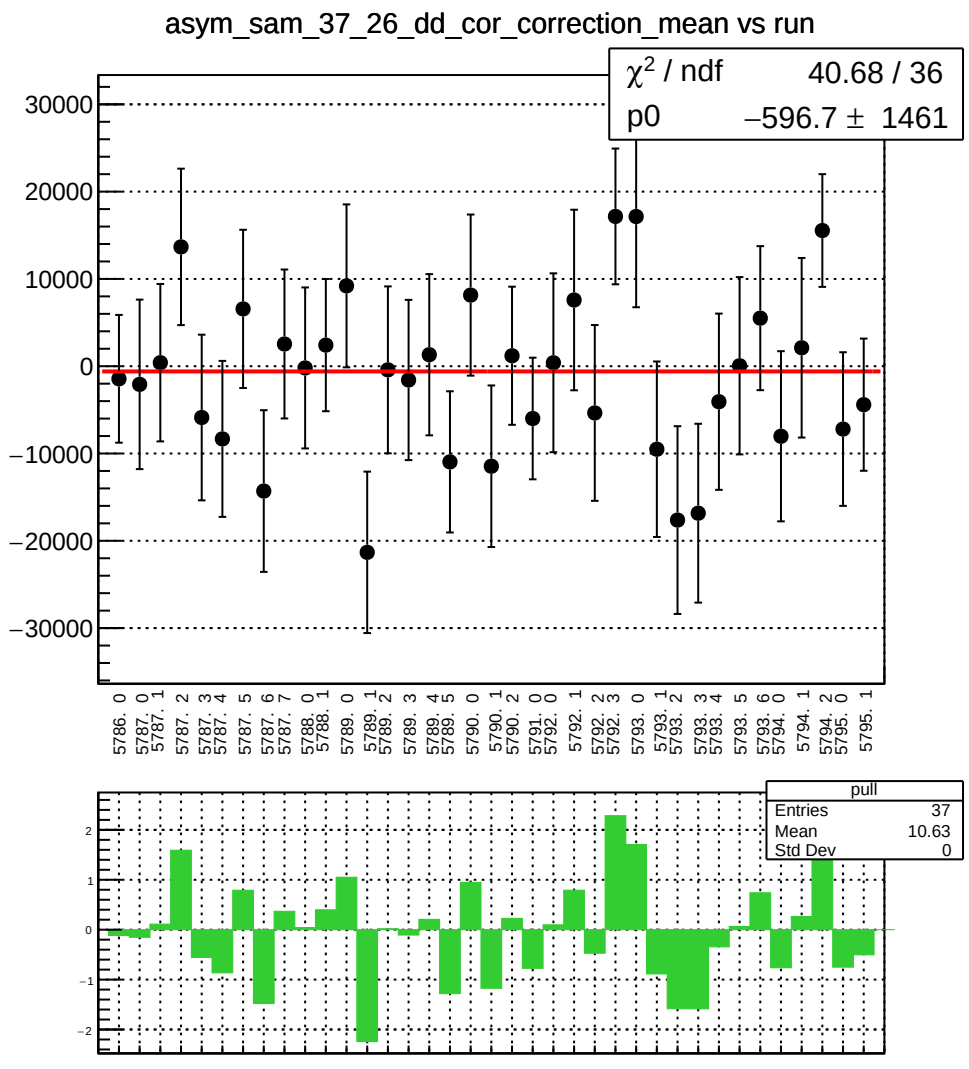
5795. 1


asym_sam_37_26_dd_cor_correction_mean vs run
χ² / ndf 40.68 / 36
p0 −596.7 ± 1461
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
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5789. 4
5789. 5
5790. 0
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5790. 2
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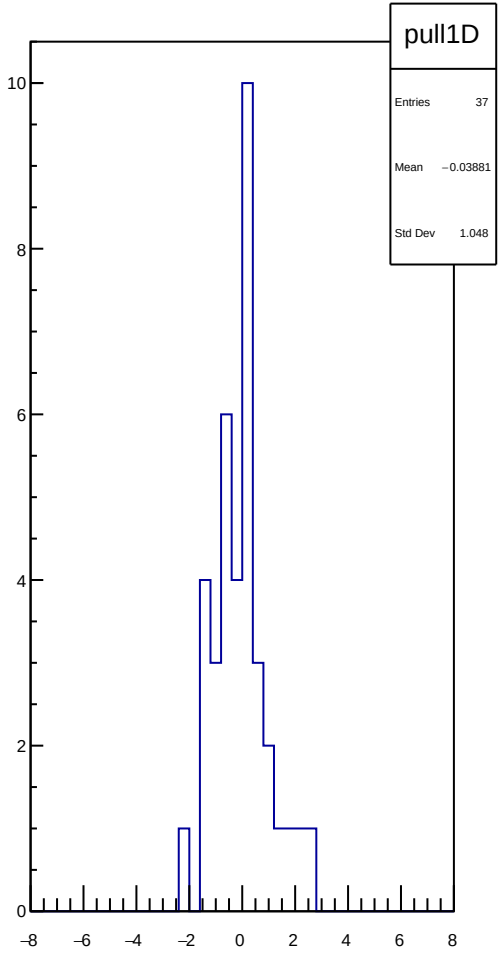
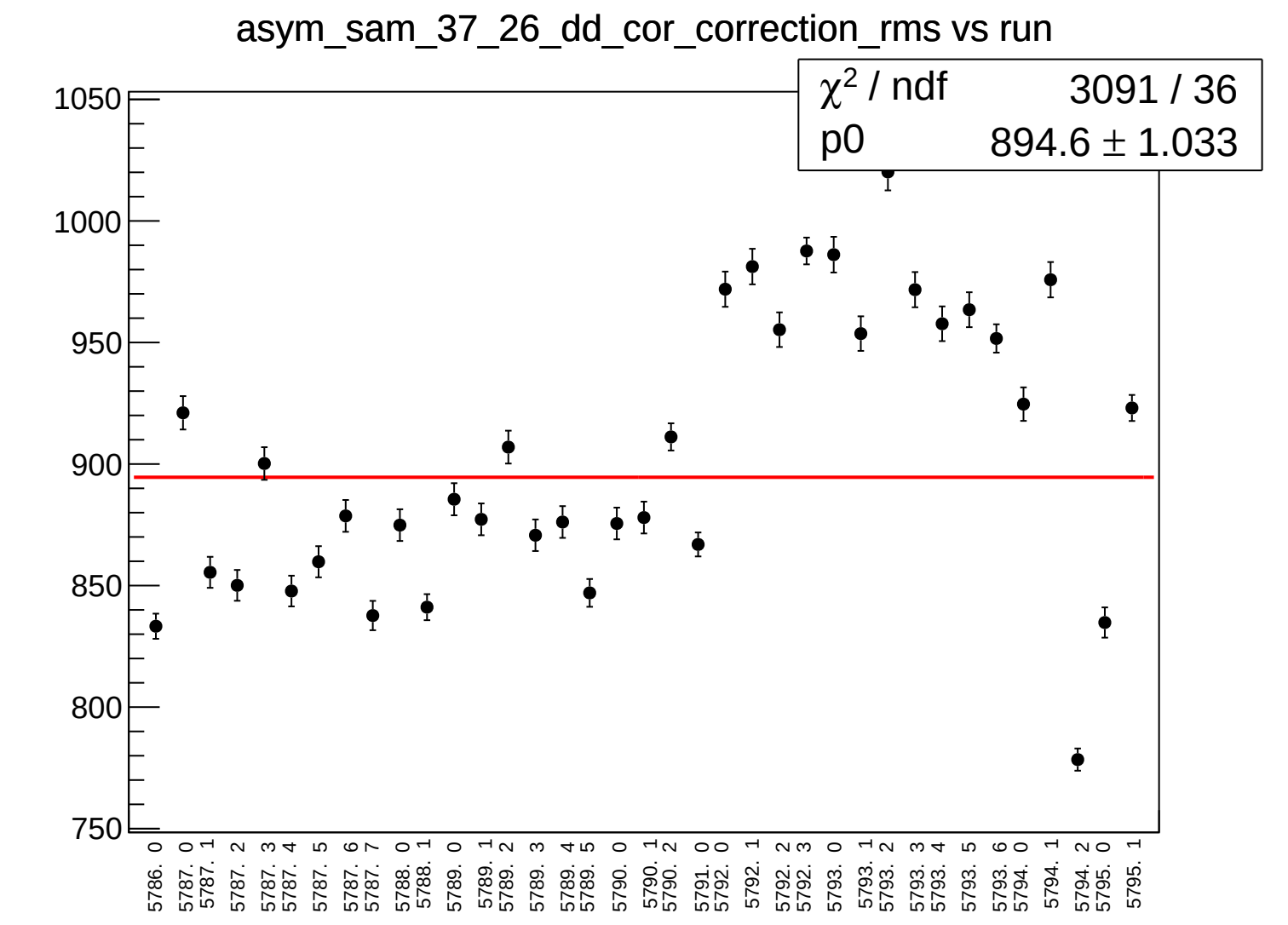
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.63
Std Dev 0
2
1
0
−1
−2


pull1D
Entries 37
Mean −0.03881
Std Dev 1.048
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 3091 / 36
p0 894.6 ± 1.033
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
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5789. 2
5789. 3
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5790. 0
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5792. 2
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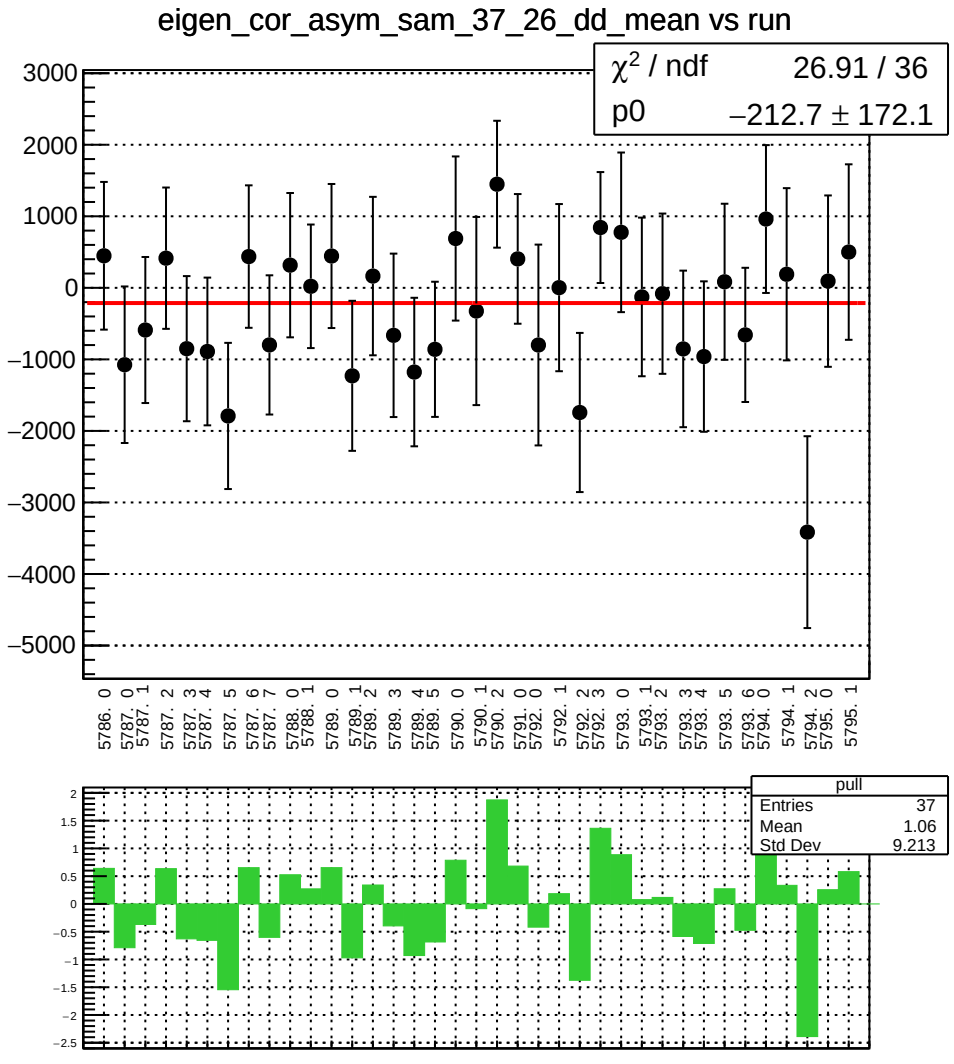
5795. 1


eigen_cor_asym_sam_37_26_dd_mean vs run
χ² / ndf 26.91 / 36
p0 −212.7 ± 172.1
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
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5790. 2
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5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1.06
Std Dev 9.213
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.03622
Std Dev 0.852
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
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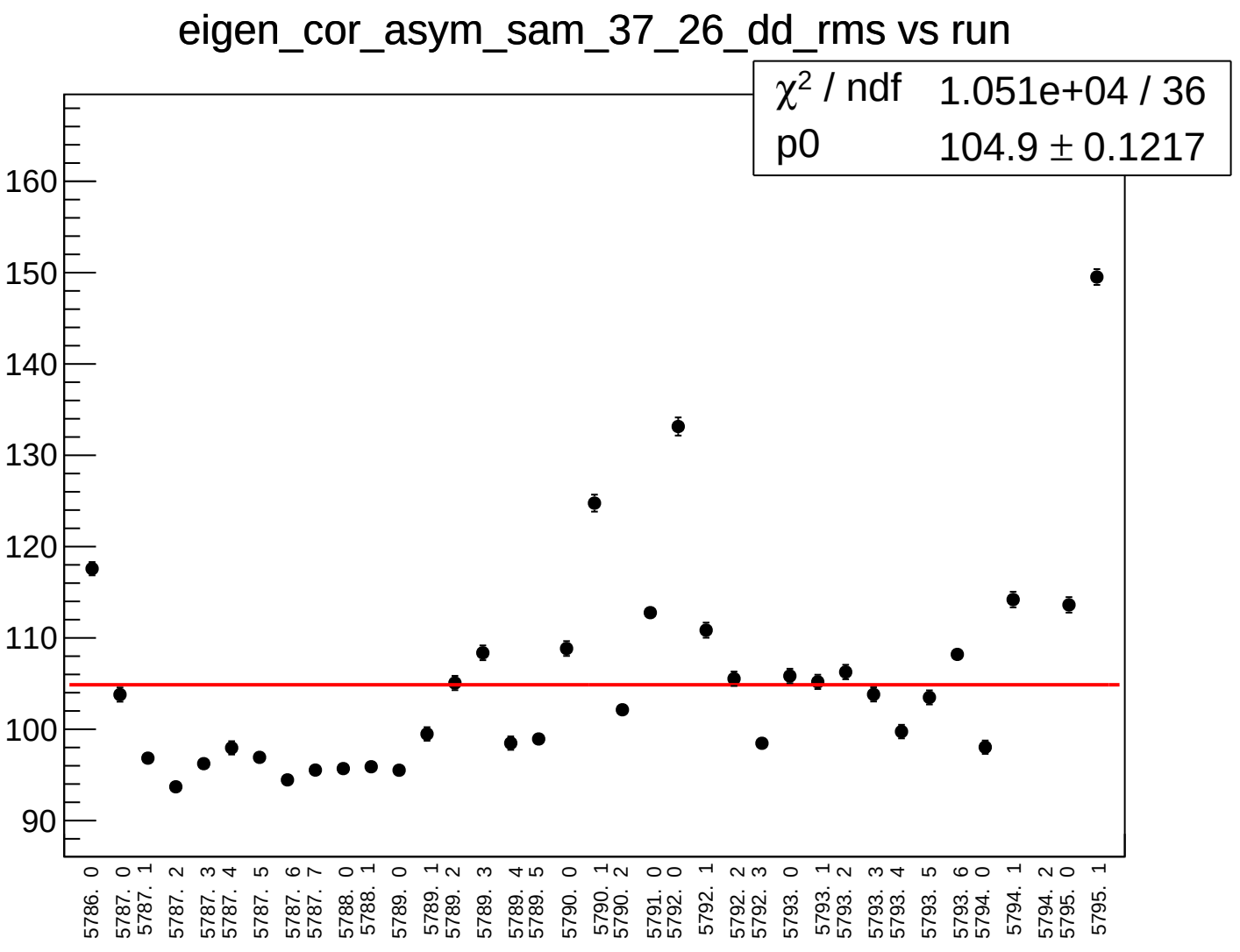
6
8


eigen_cor_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.051e+04 / 36
p0 104.9 ± 0.1217
160
150
140
130
120
110
100
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
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5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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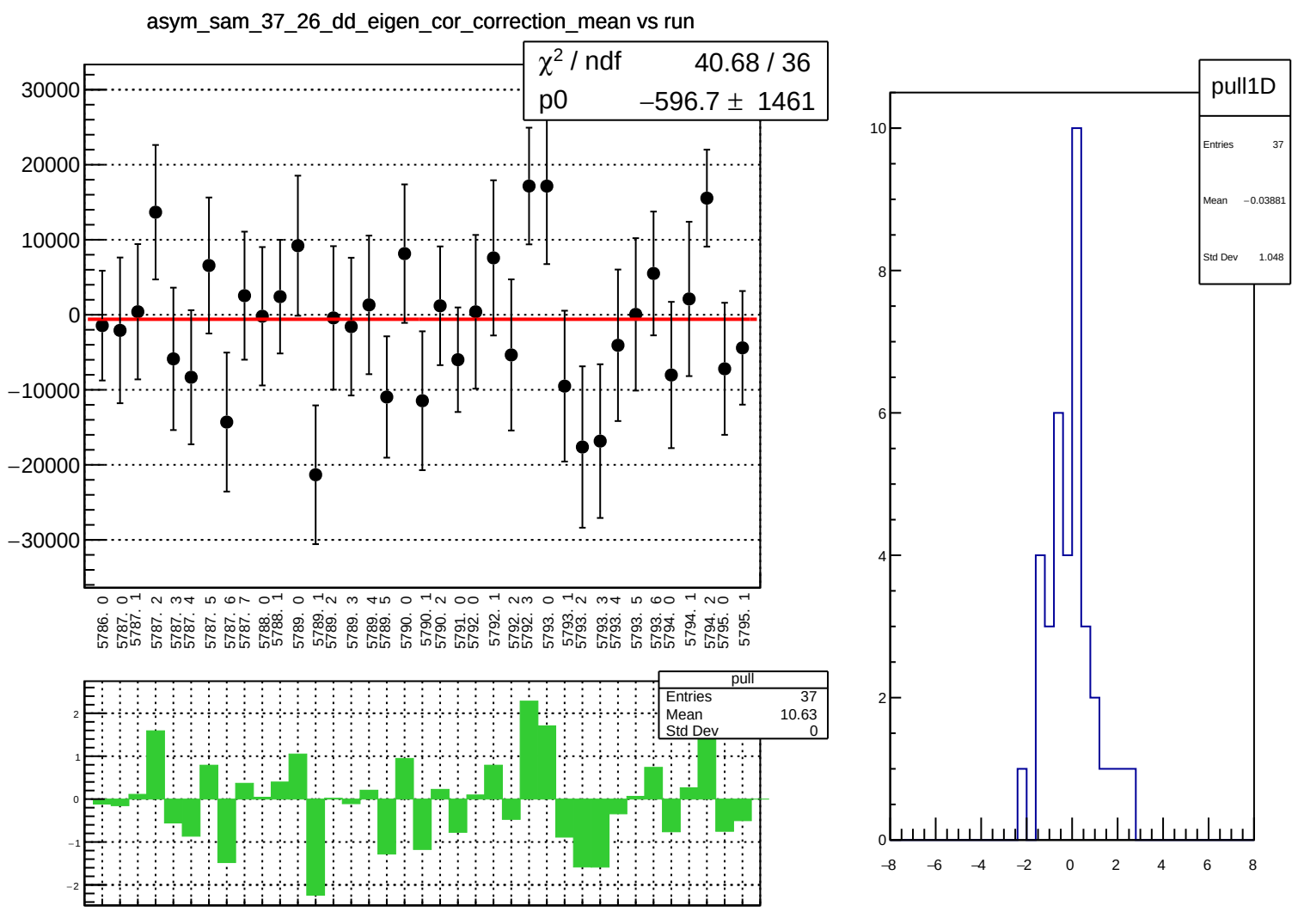
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_26_dd_eigen_cor_correction_mean vs run
χ² / ndf 40.68 / 36
p0 −596.7 ± 1461
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.63
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.03881
Std Dev 1.048
10
8
6
4
2
0
−8
−6
−4
−2
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2
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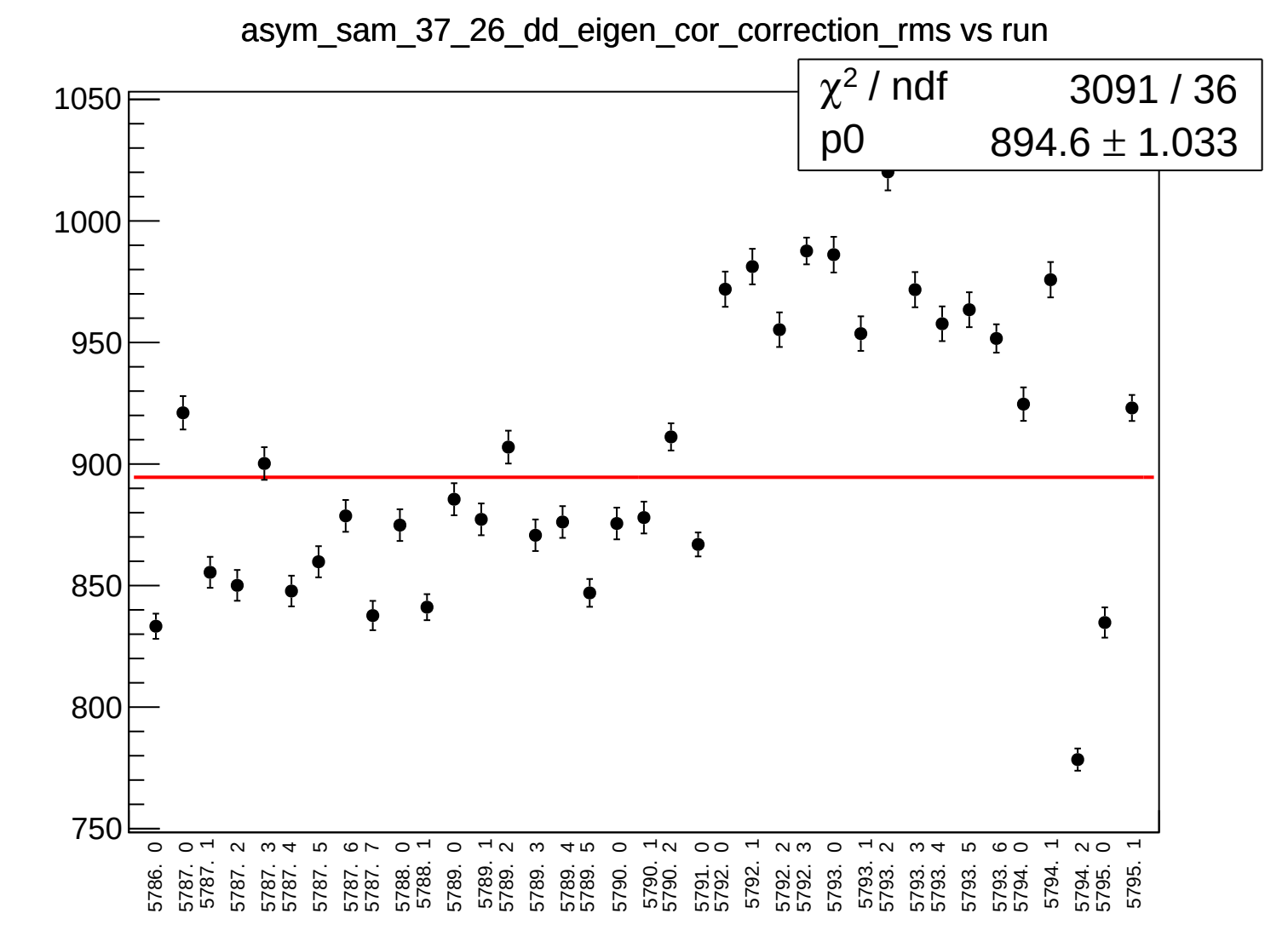
6
8


asym_sam_37_26_dd_eigen_cor_correction_rms vs run
χ² / ndf 3091 / 36
p0 894.6 ± 1.033
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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5793. 6
5794. 0
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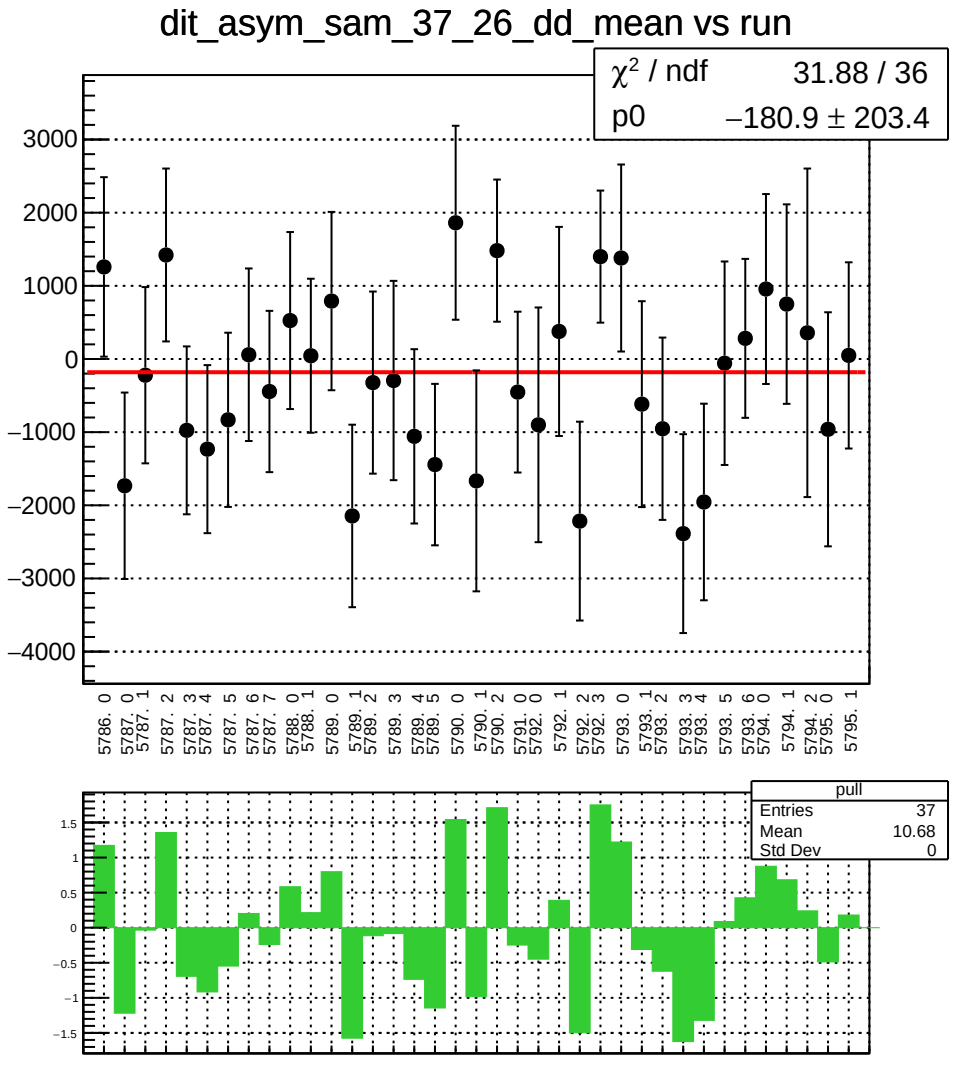
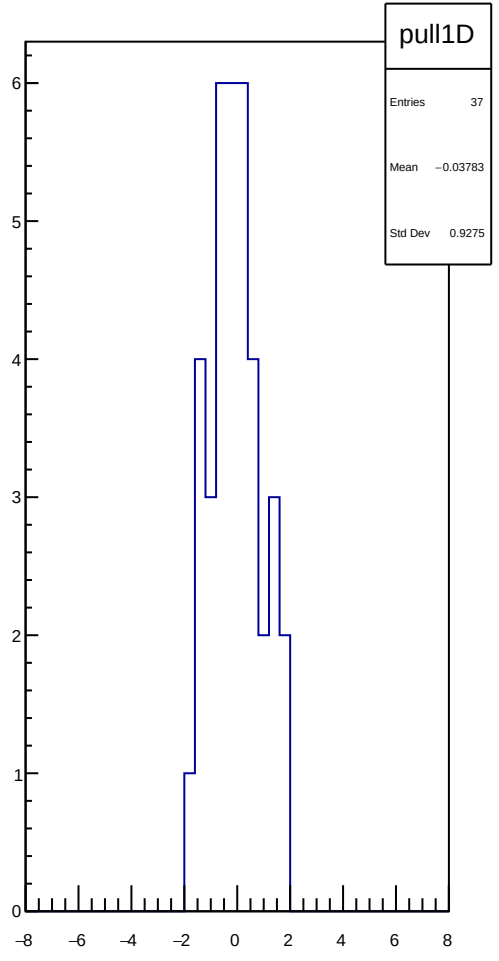
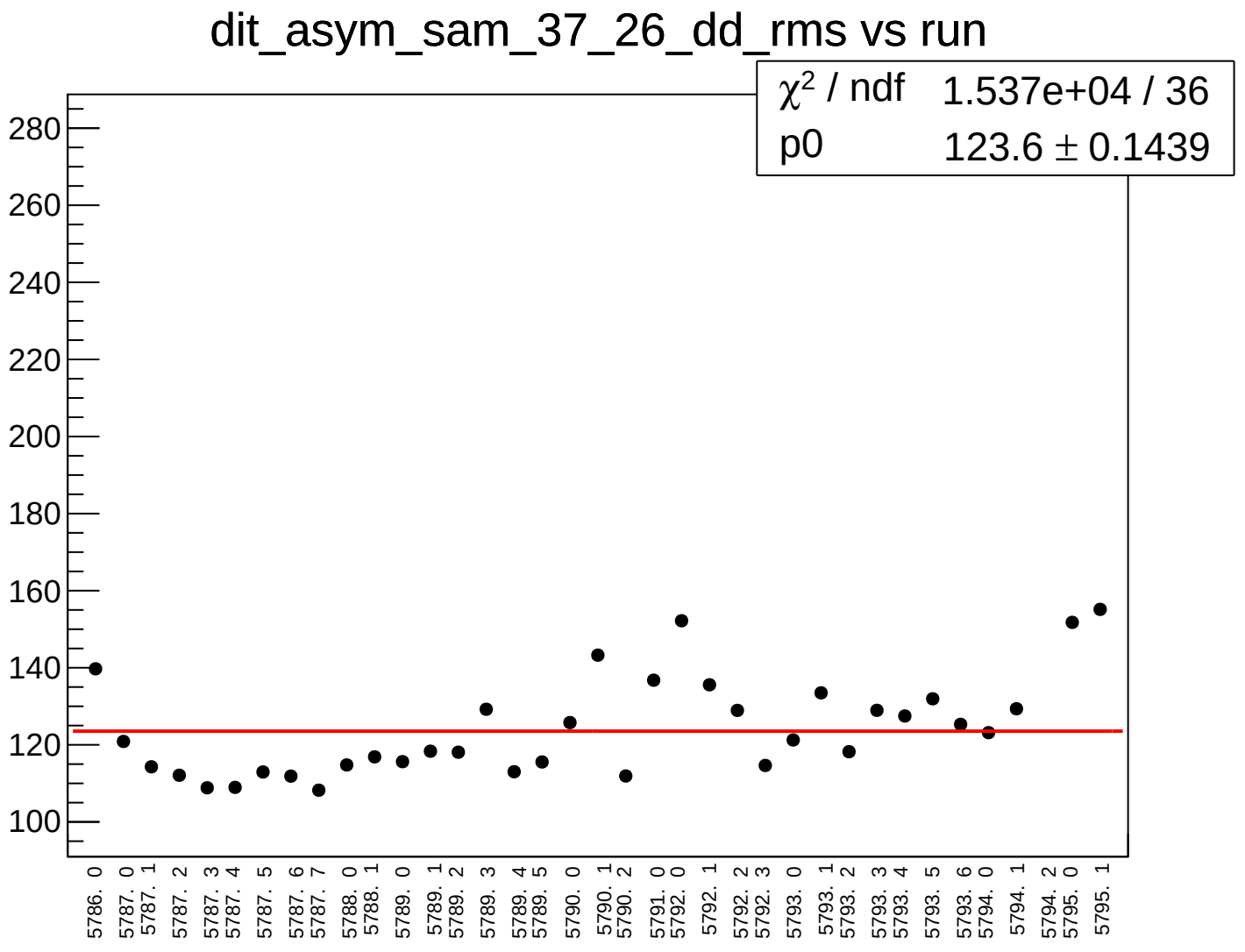
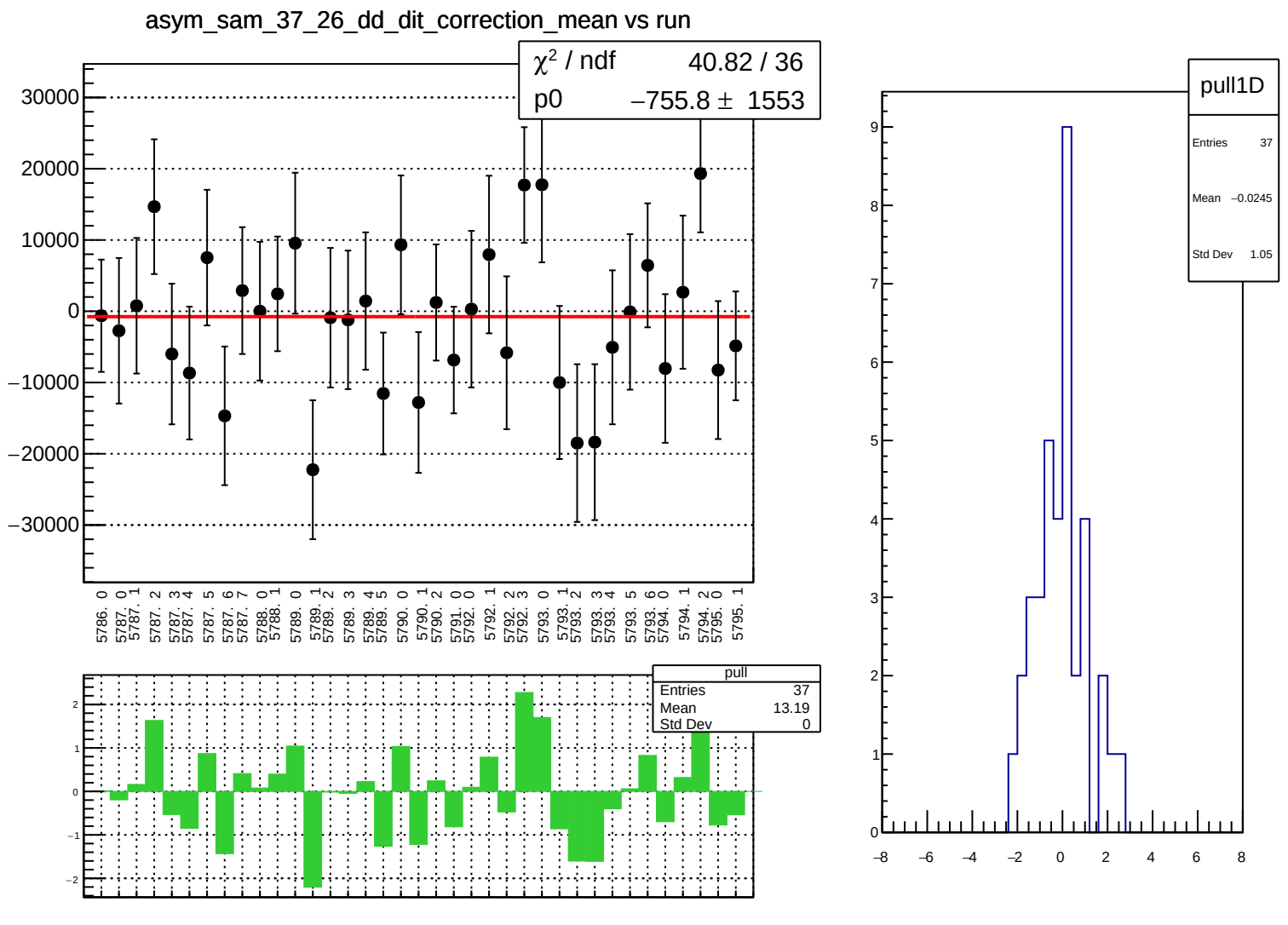
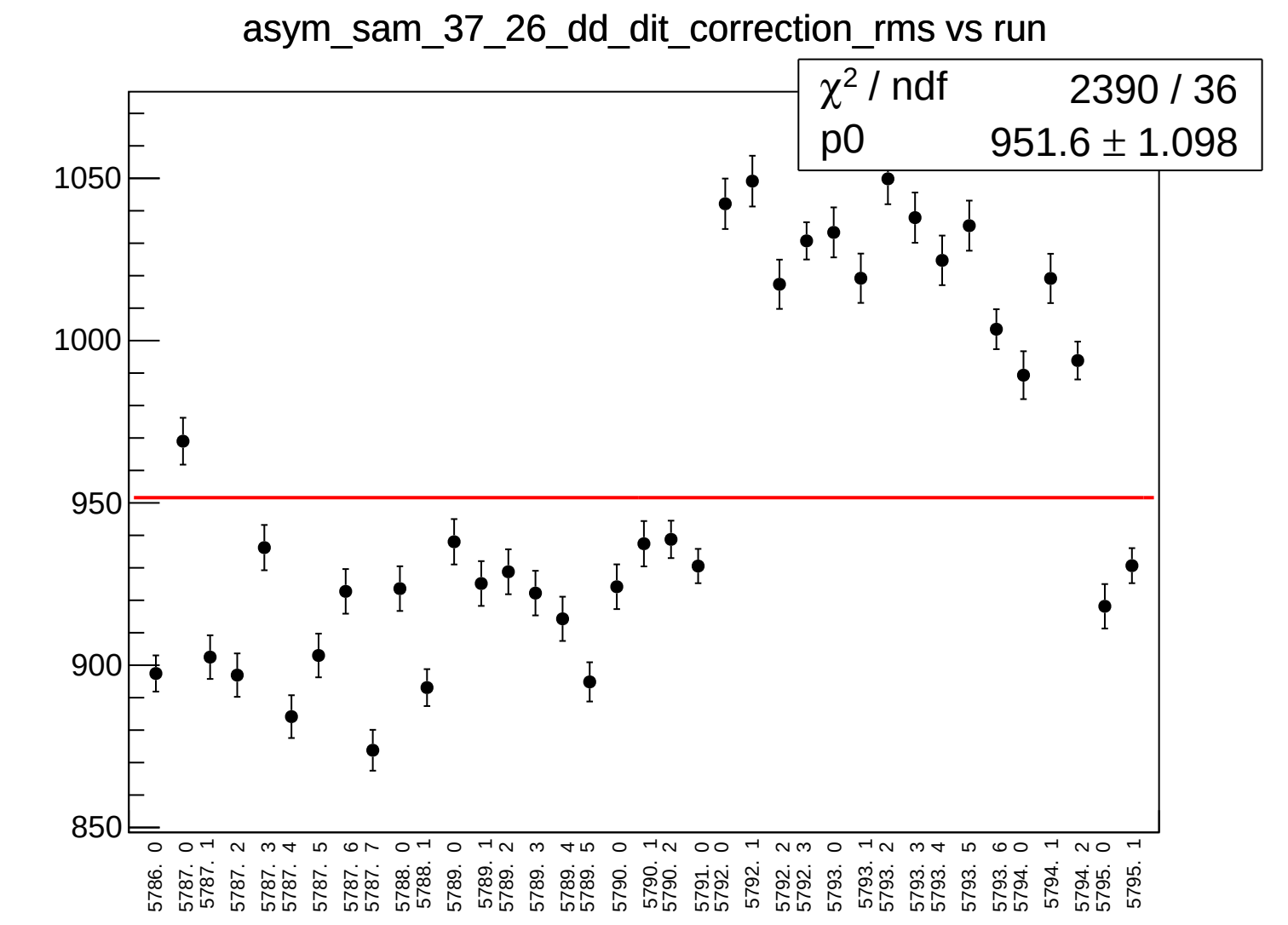
5794. 2
5795. 0
5795. 1


dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 31.88 / 36
p0 −180.9 ± 203.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5


pull1D
Entries 37
Mean −0.03783
Std Dev 0.9275
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.537e+04 / 36
p0 123.6 ± 0.1439
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_26_dd_dit_correction_mean vs run
χ² / ndf 40.82 / 36
p0 −755.8 ± 1553
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.19
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0245
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_dit_correction_rms vs run
χ² / ndf 2390 / 36
p0 951.6 ± 1.098
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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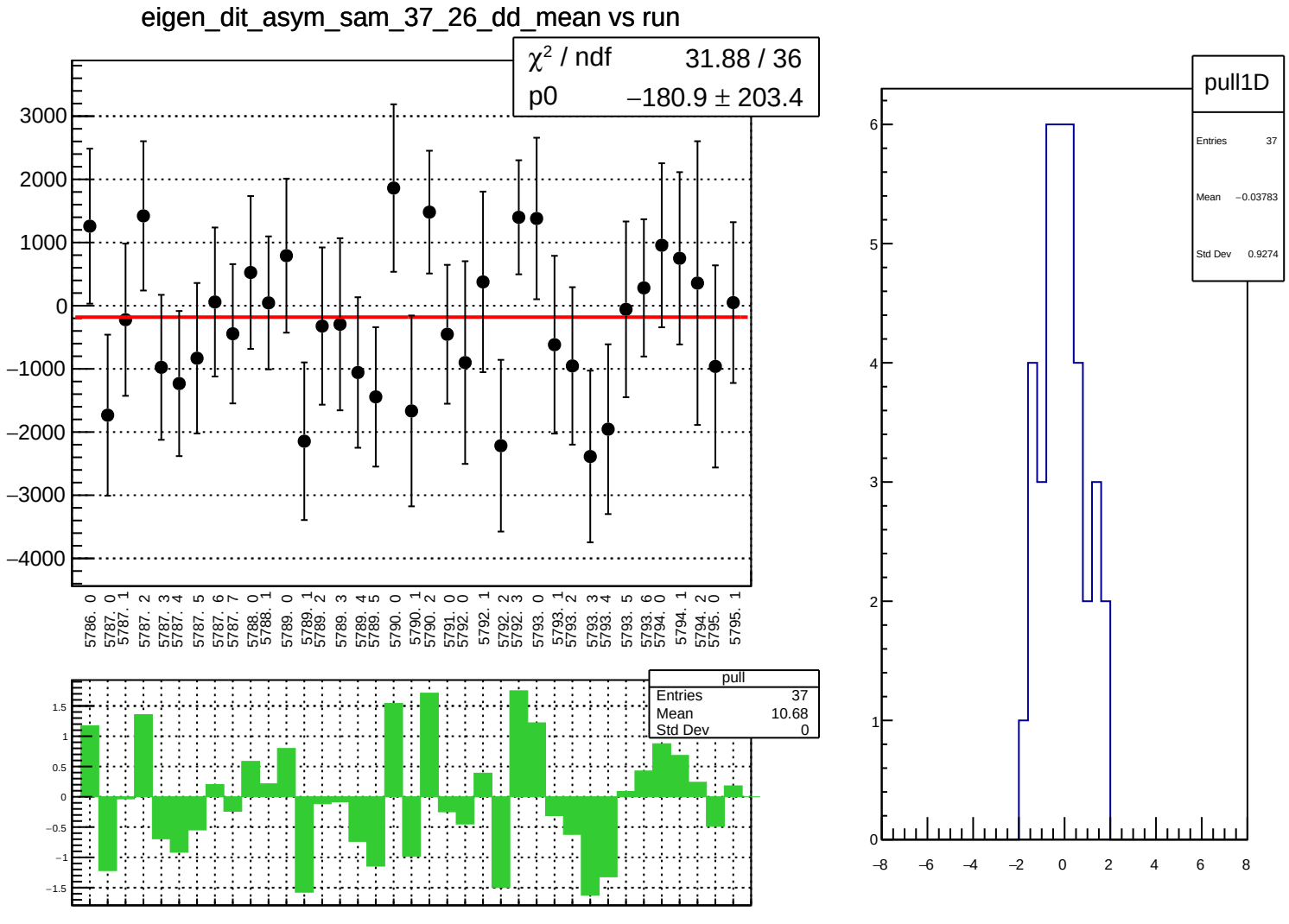
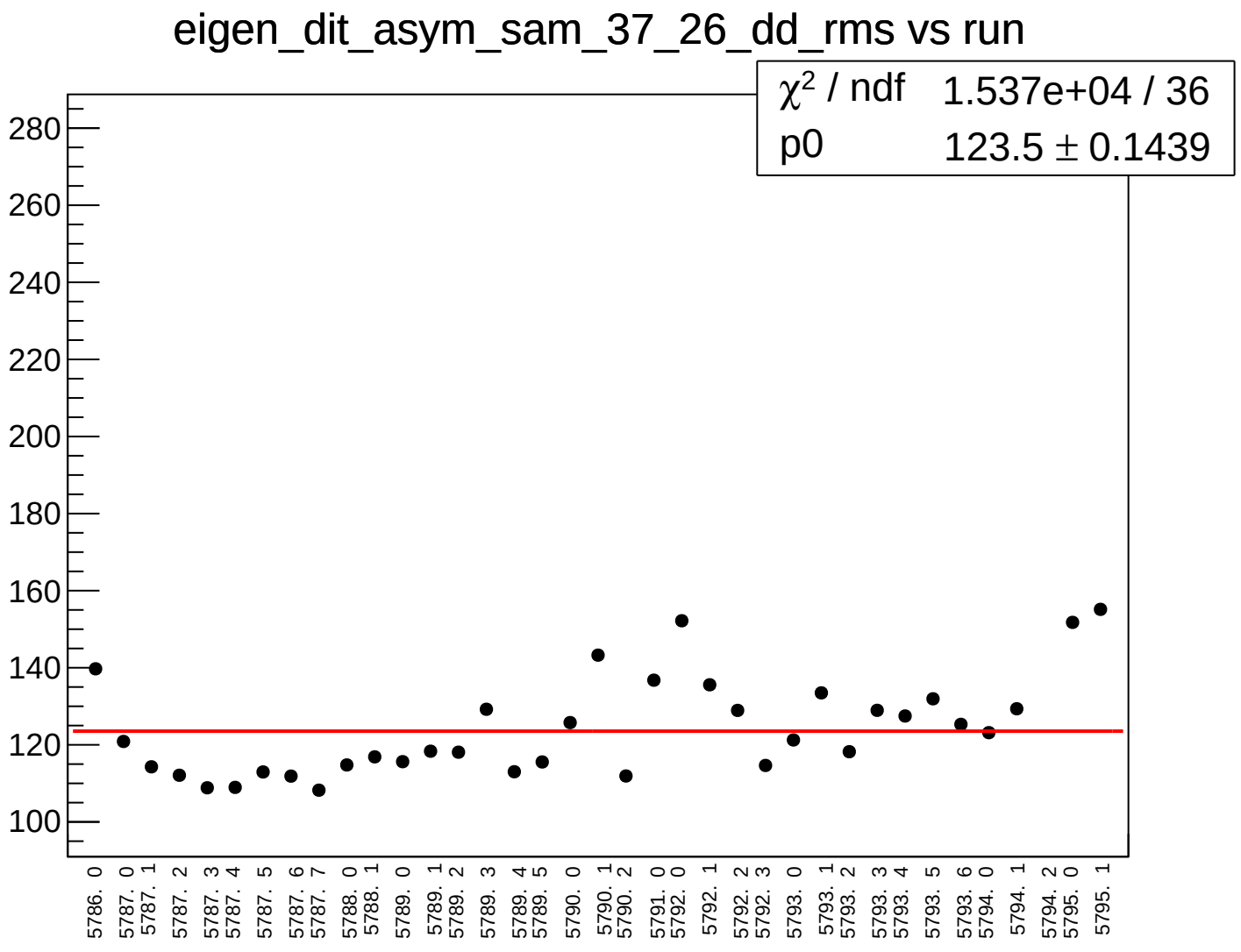
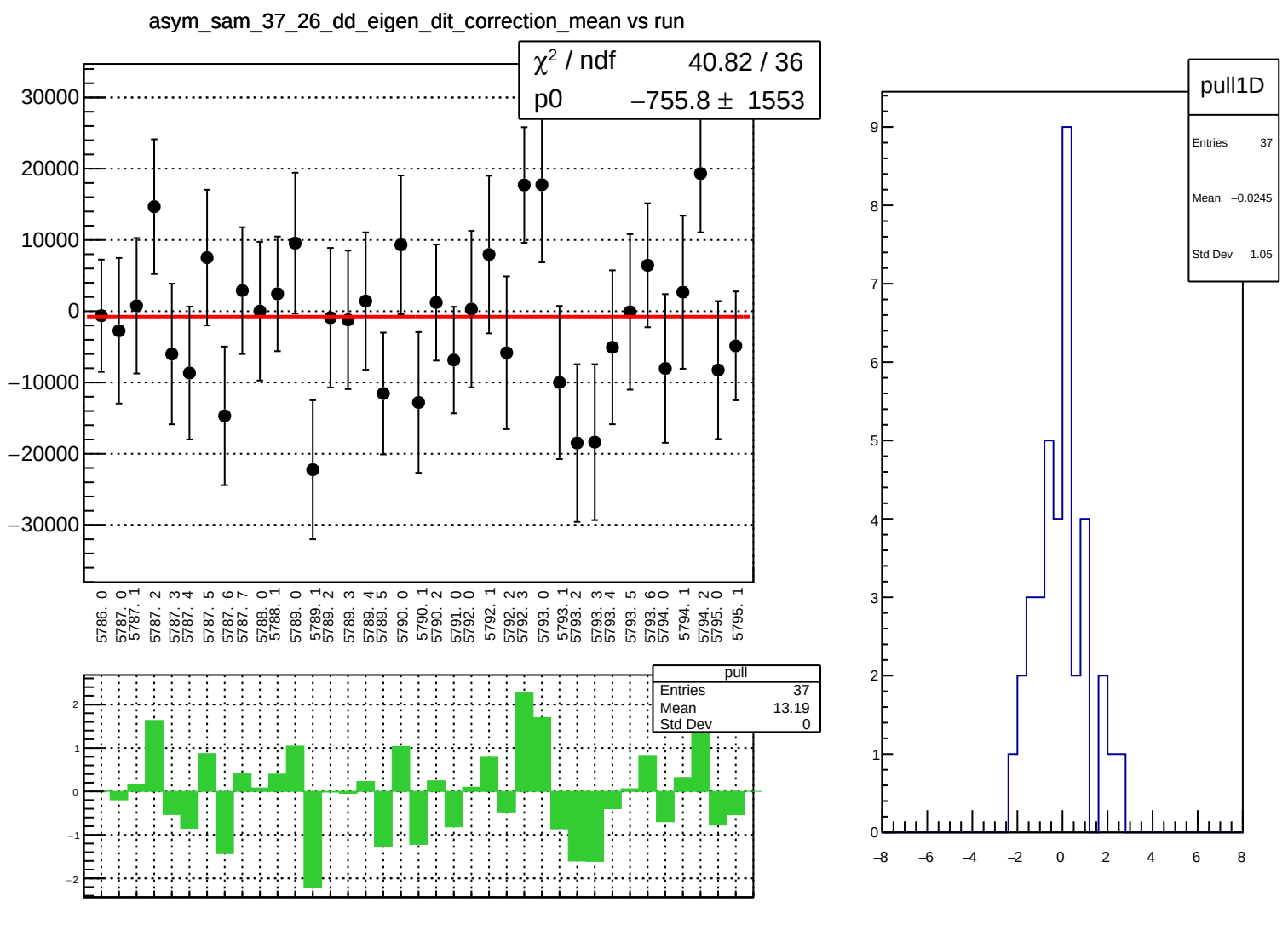
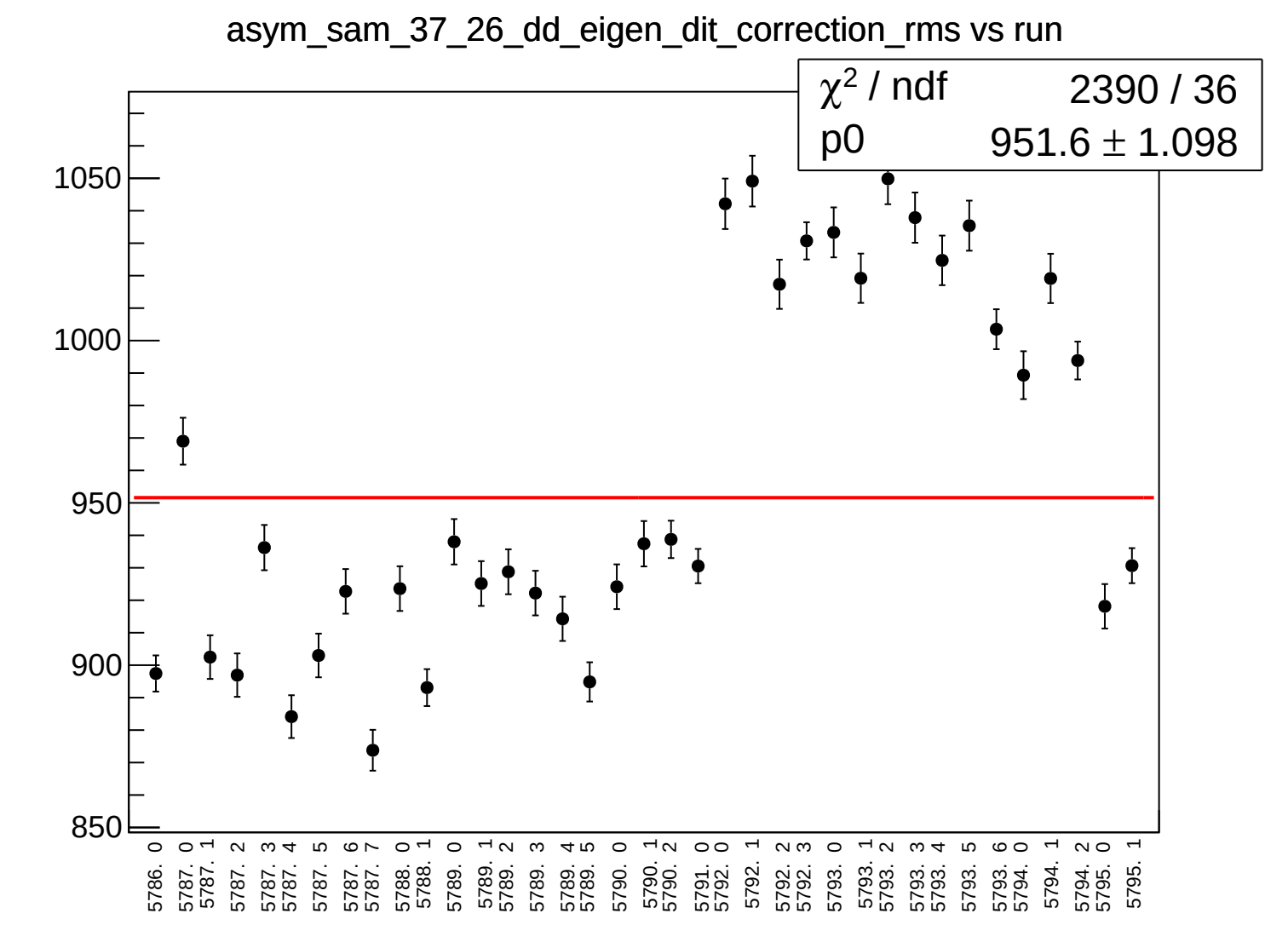
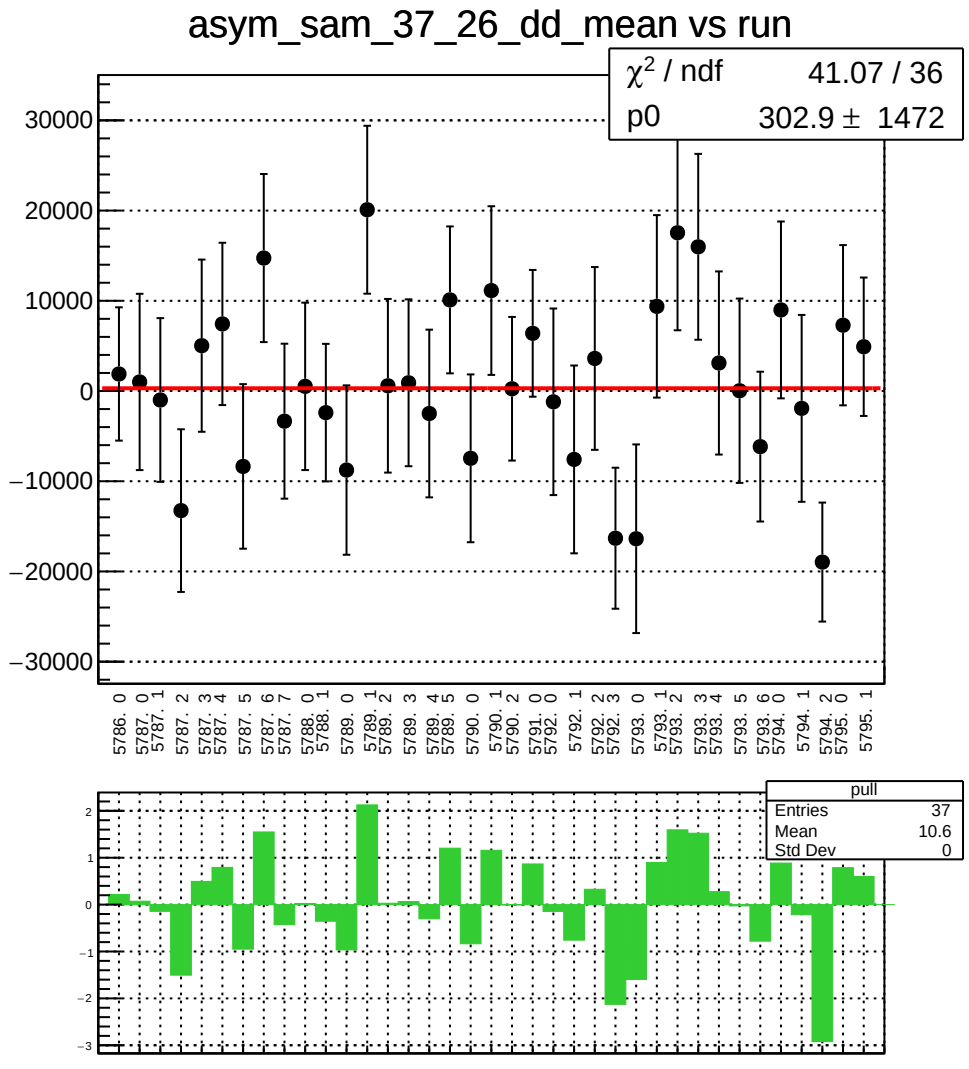
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

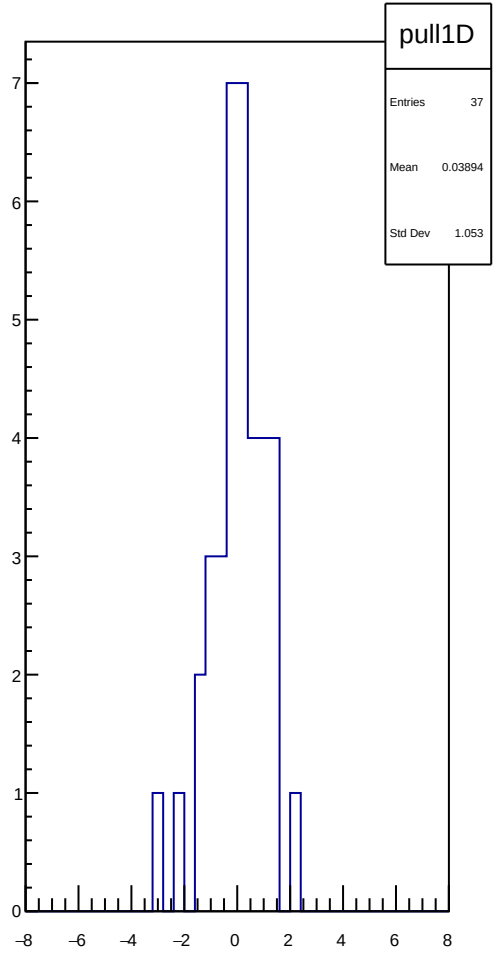

eigen_dit_asym_sam_37_26_dd_mean vs run
χ² / ndf 31.88 / 36
p0 −180.9 ± 203.4
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.68
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.03783
Std Dev 0.9274
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

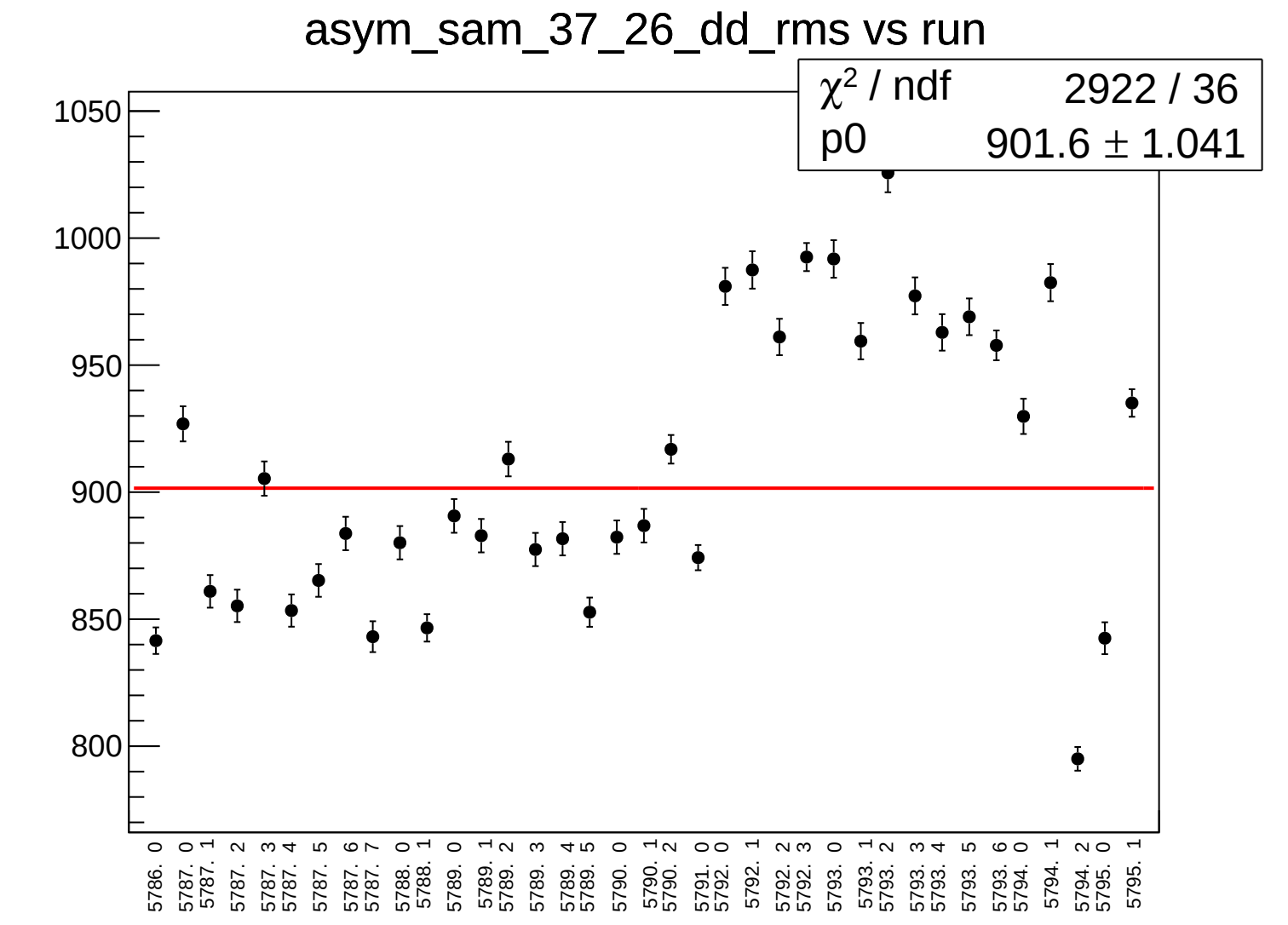

eigen_dit_asym_sam_37_26_dd_rms vs run
χ² / ndf 1.537e+04 / 36
p0 123.5 ± 0.1439
280
260
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

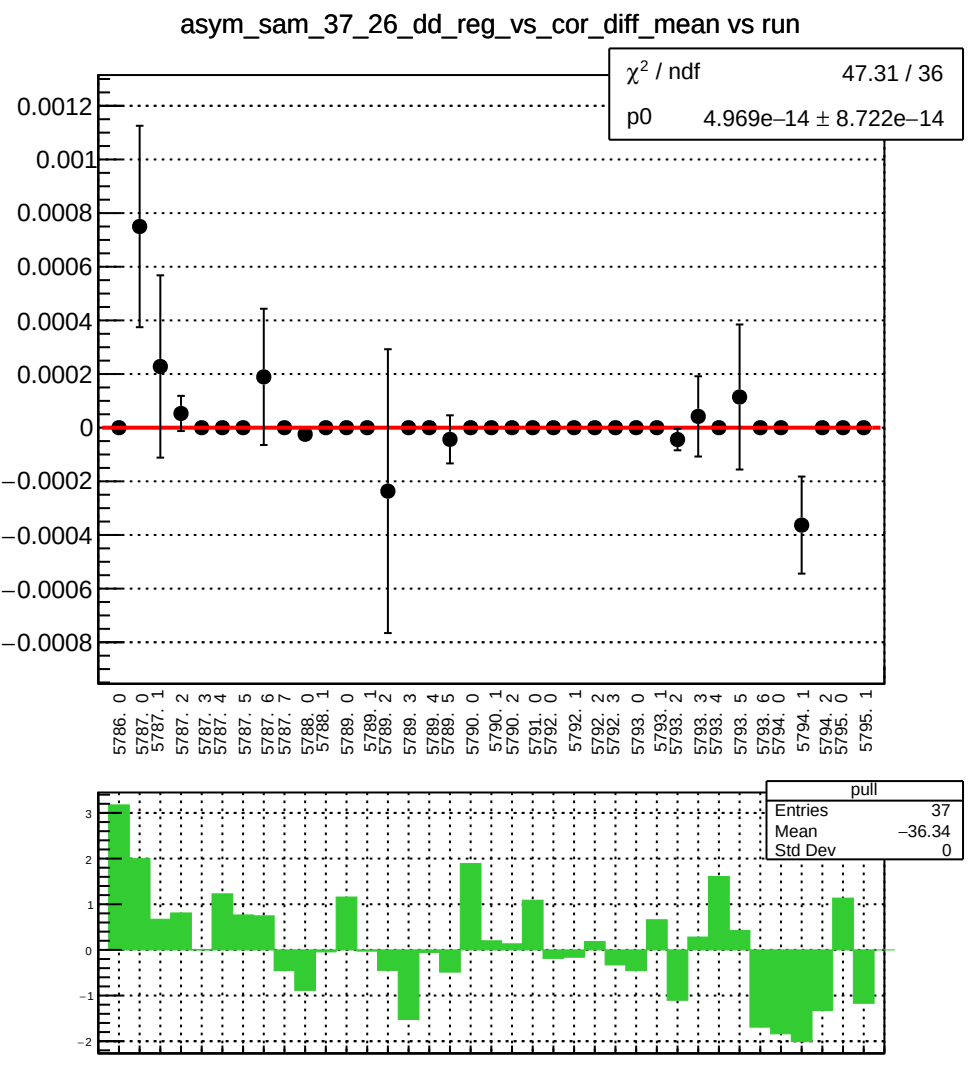

asym_sam_37_26_dd_eigen_dit_correction_mean vs run
χ² / ndf 40.82 / 36
p0 −755.8 ± 1553
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 13.19
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.0245
Std Dev 1.05
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

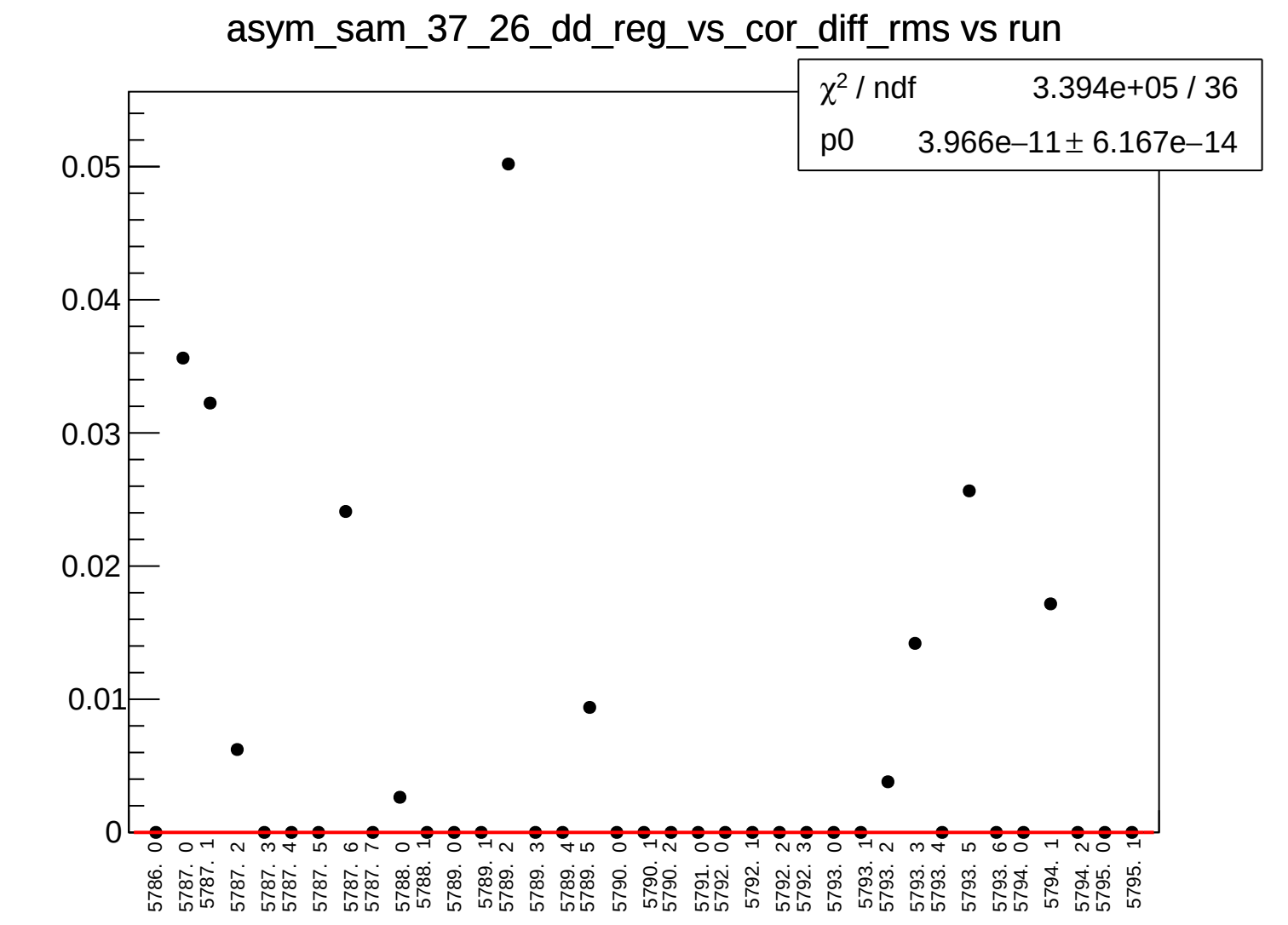

asym_sam_37_26_dd_eigen_dit_correction_rms vs run
χ² / ndf 2390 / 36
p0 951.6 ± 1.098
1050
1000
950
900
850
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

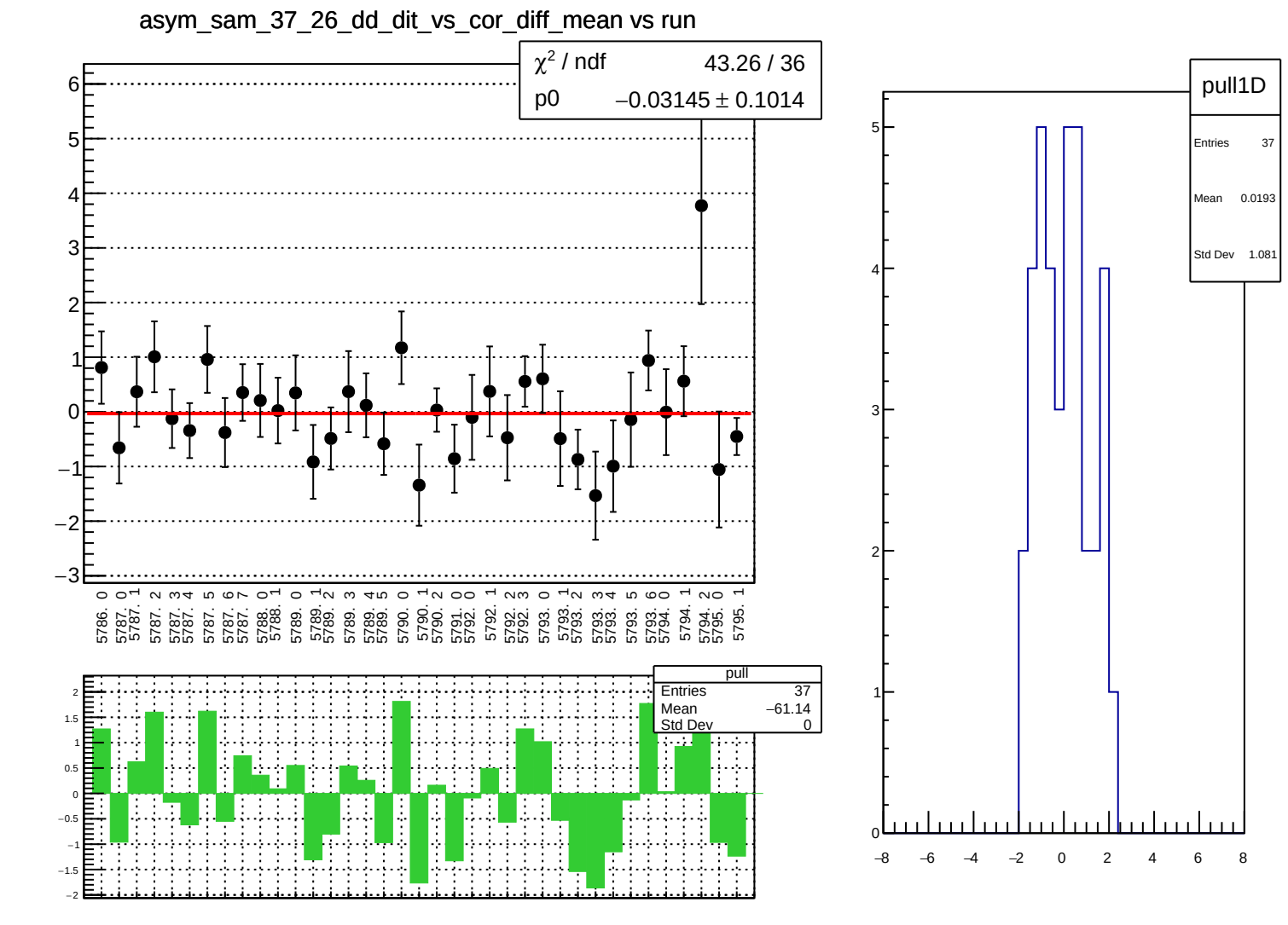

asym_sam_37_26_dd_mean vs run
χ^2 / ndf 41.07 / 36
p0 302.9 ± 1472
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 10.6
Std Dev 0
2
1
0
−1
−2
−3

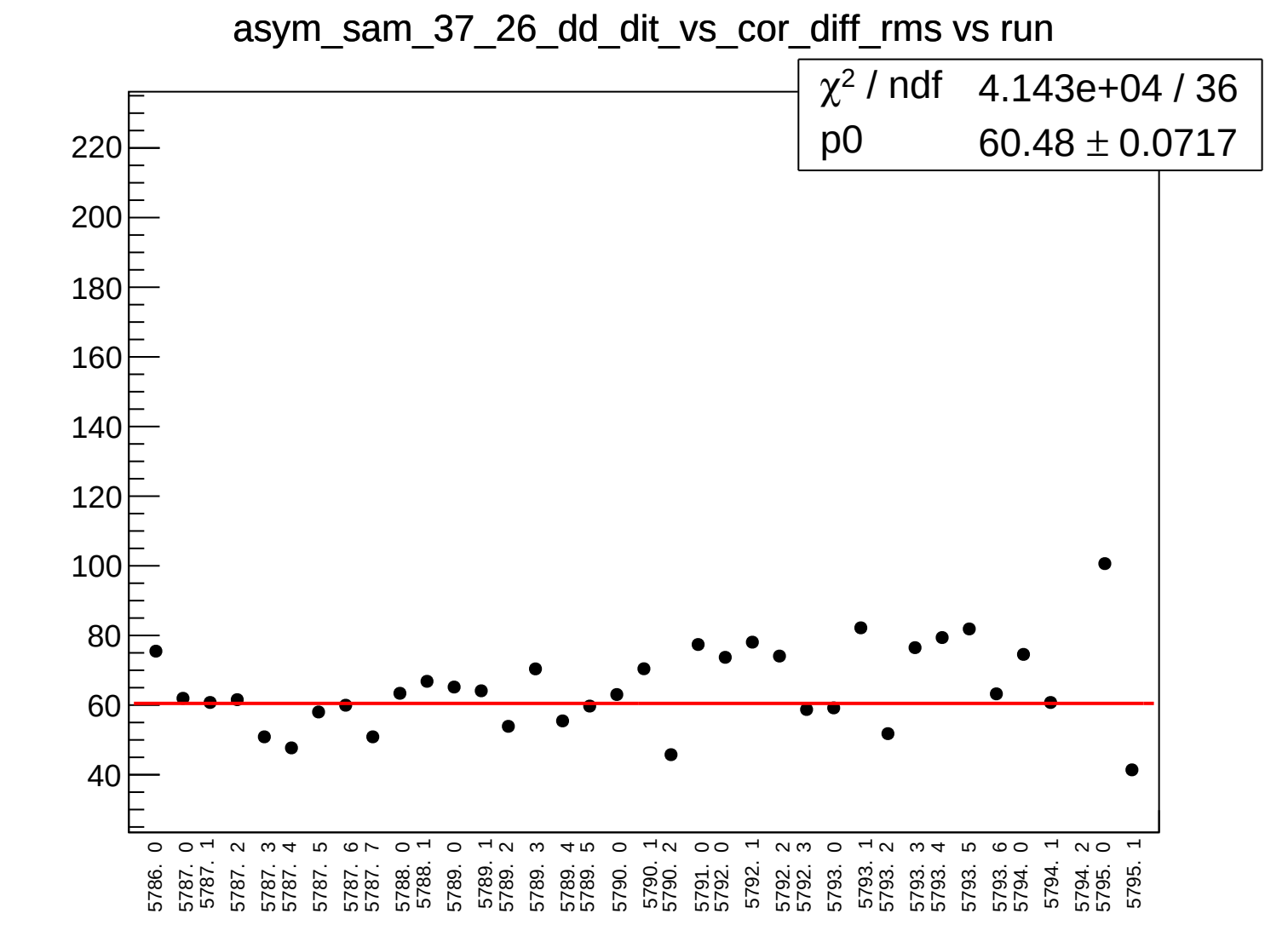

pull1D
Entries 37
Mean 0.03894
Std Dev 1.053
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

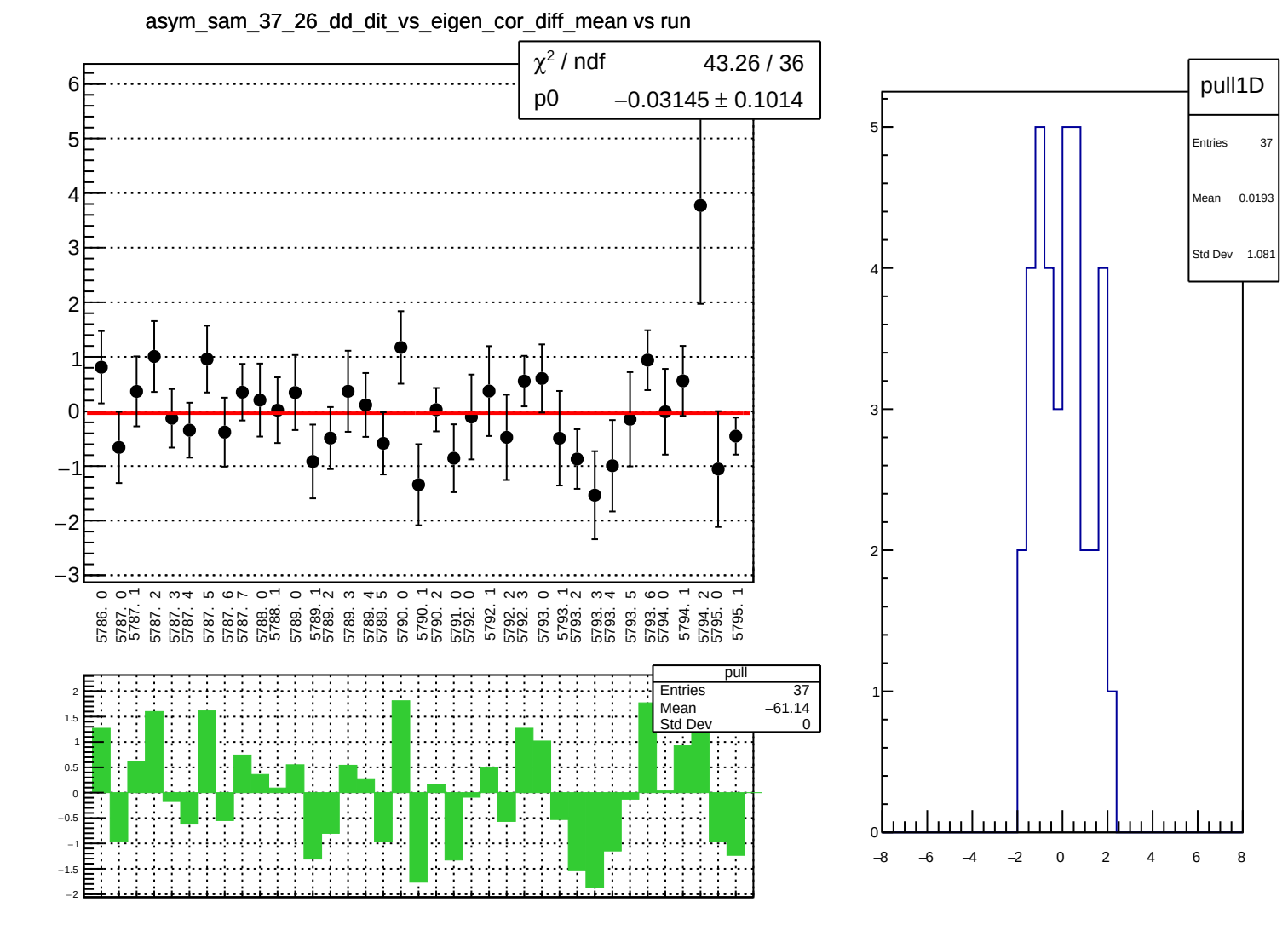

asym_sam_37_26_dd_rms vs run
χ² / ndf 2922 / 36
p0 901.6 ± 1.041
1050
1000
950
900
850
800
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

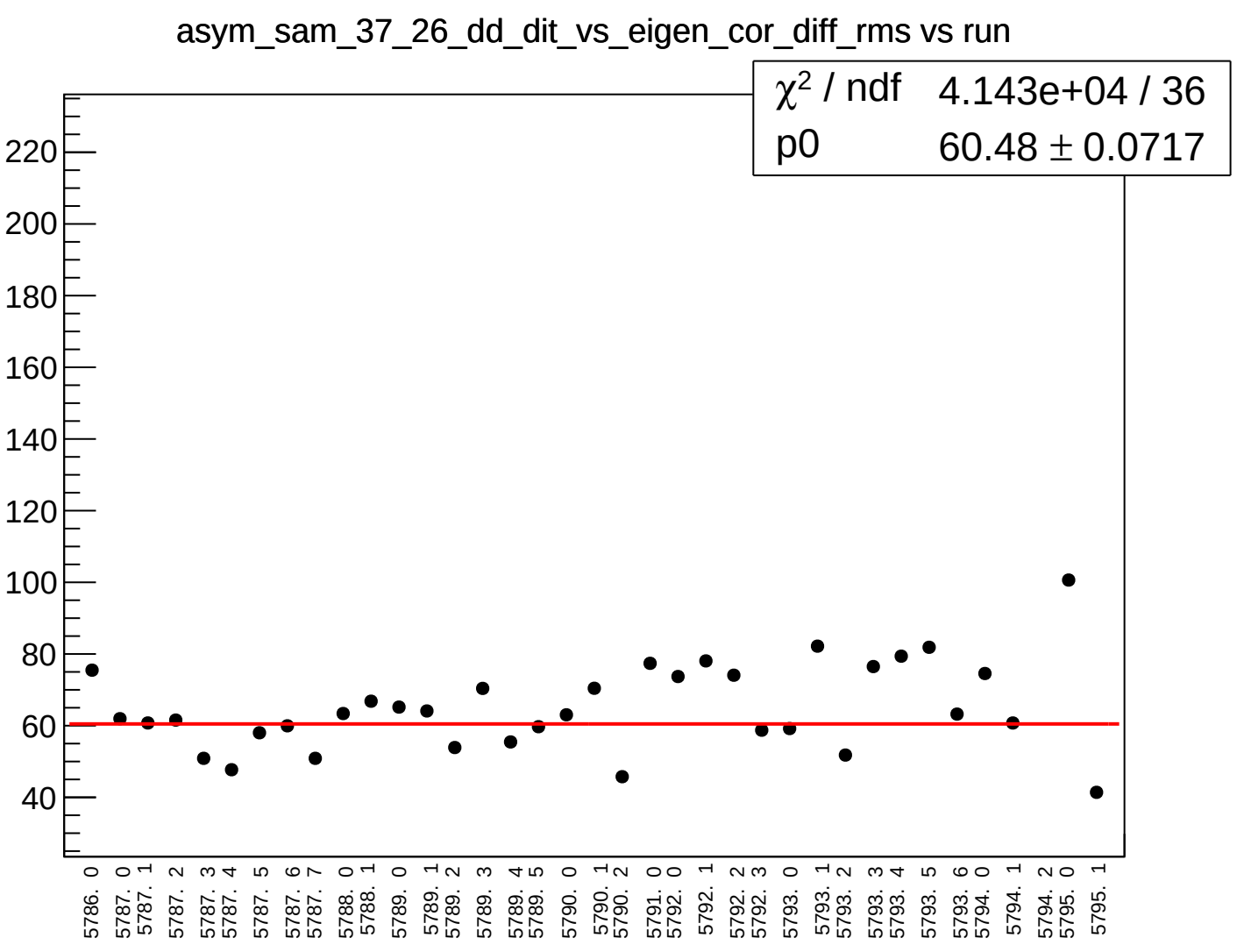

asym_sam_37_26_dd_reg_vs_cor_diff_mean vs run
χ² / ndf 47.31 / 36
p0 4.969e−14 ± 8.722e−14
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
−0.0002
−0.0004
−0.0006
−0.0008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.34
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1074
Std Dev 1.126
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

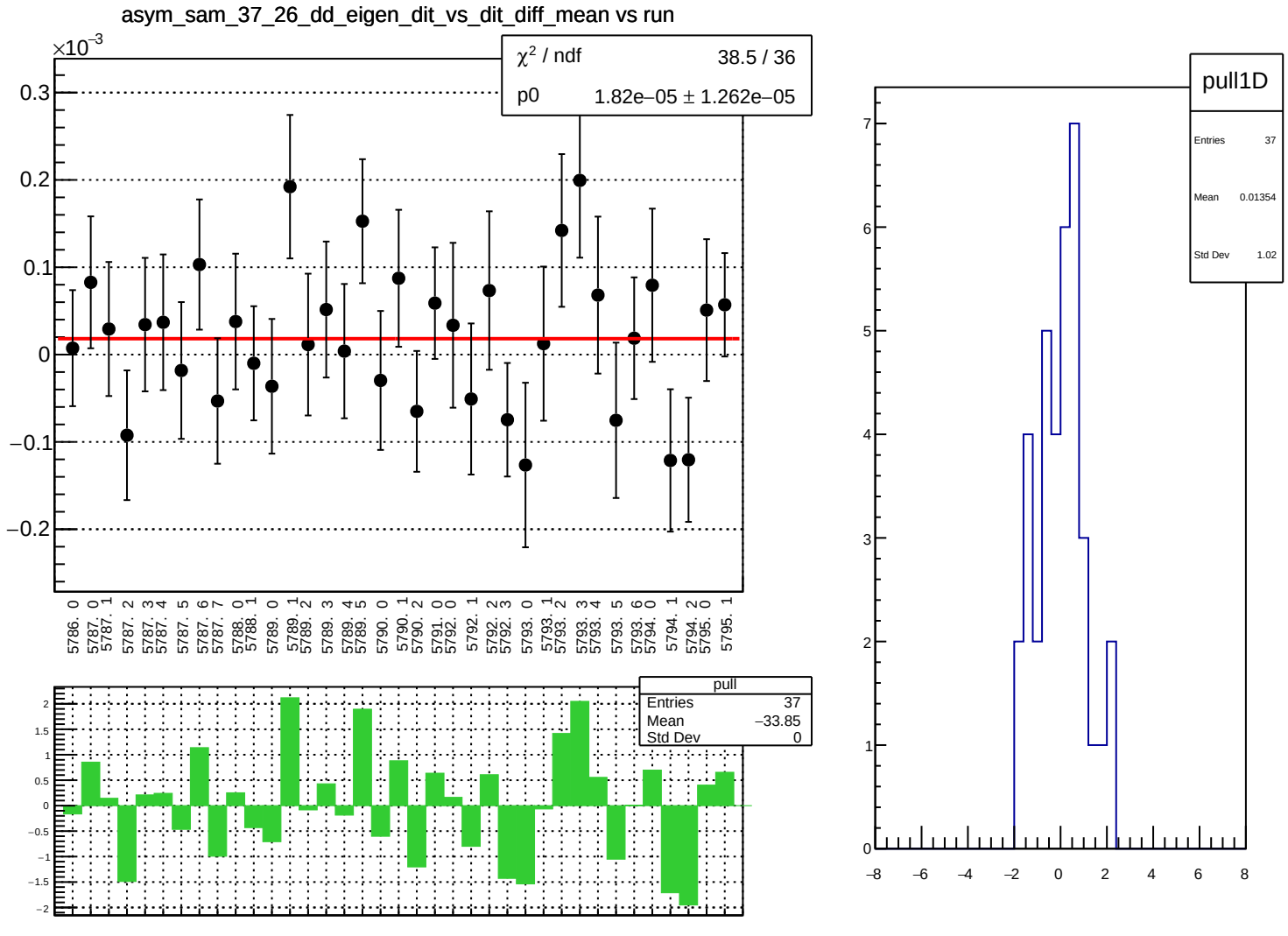

asym_sam_37_26_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 3.394e+05 / 36
p0 3.966e−11 ± 6.167e−14
0.05
0.04
0.03
0.02
0.01
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

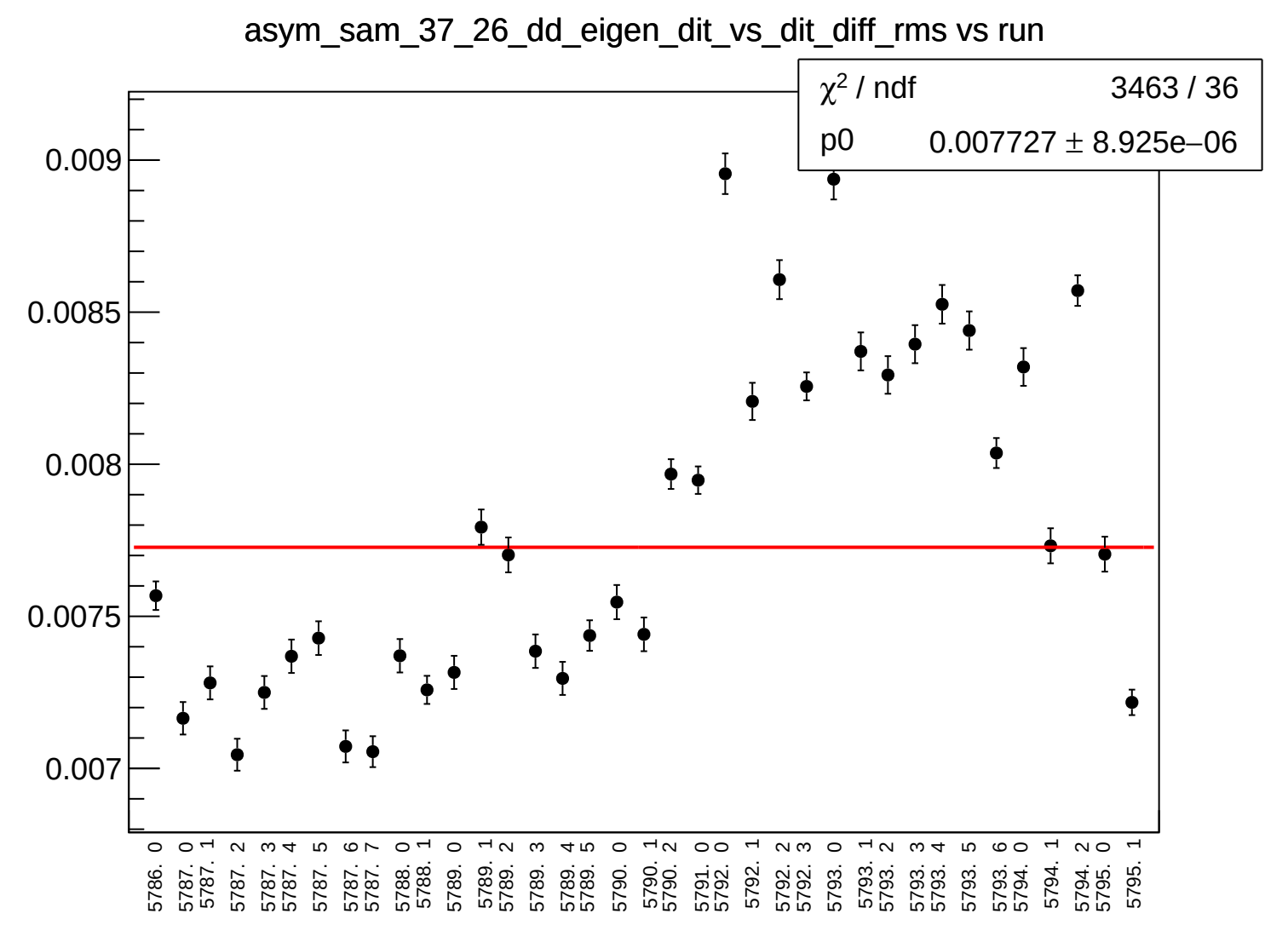

asym_sam_37_26_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 43.26 / 36
p0 −0.03145 ± 0.1014
pull
Entries 37
Mean −61.14
Std Dev 0
pull1D
Entries 37
Mean 0.0193
Std Dev 1.081

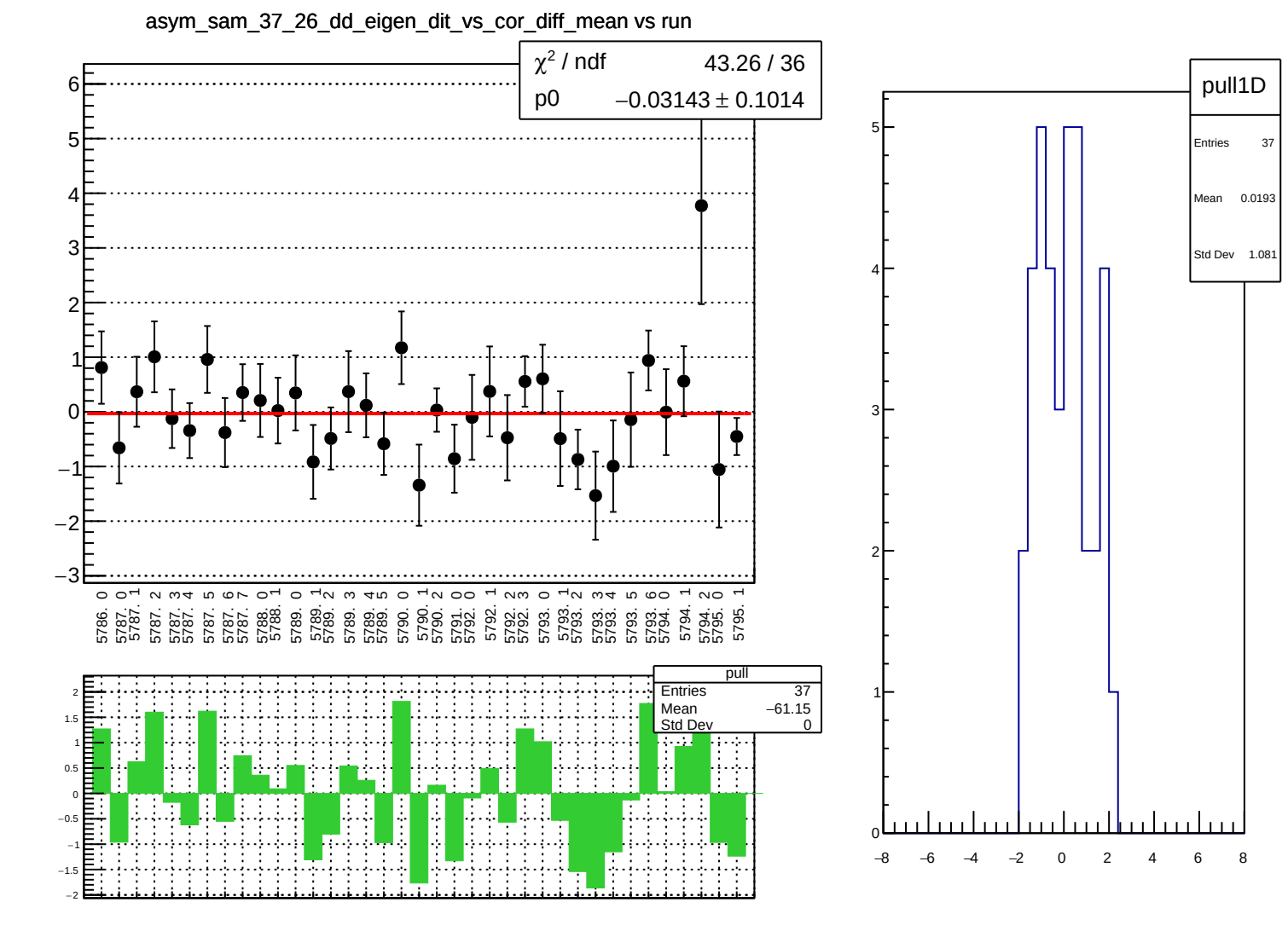

asym_sam_37_26_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 4.143e+04 / 36
p0 60.48 ± 0.0717
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

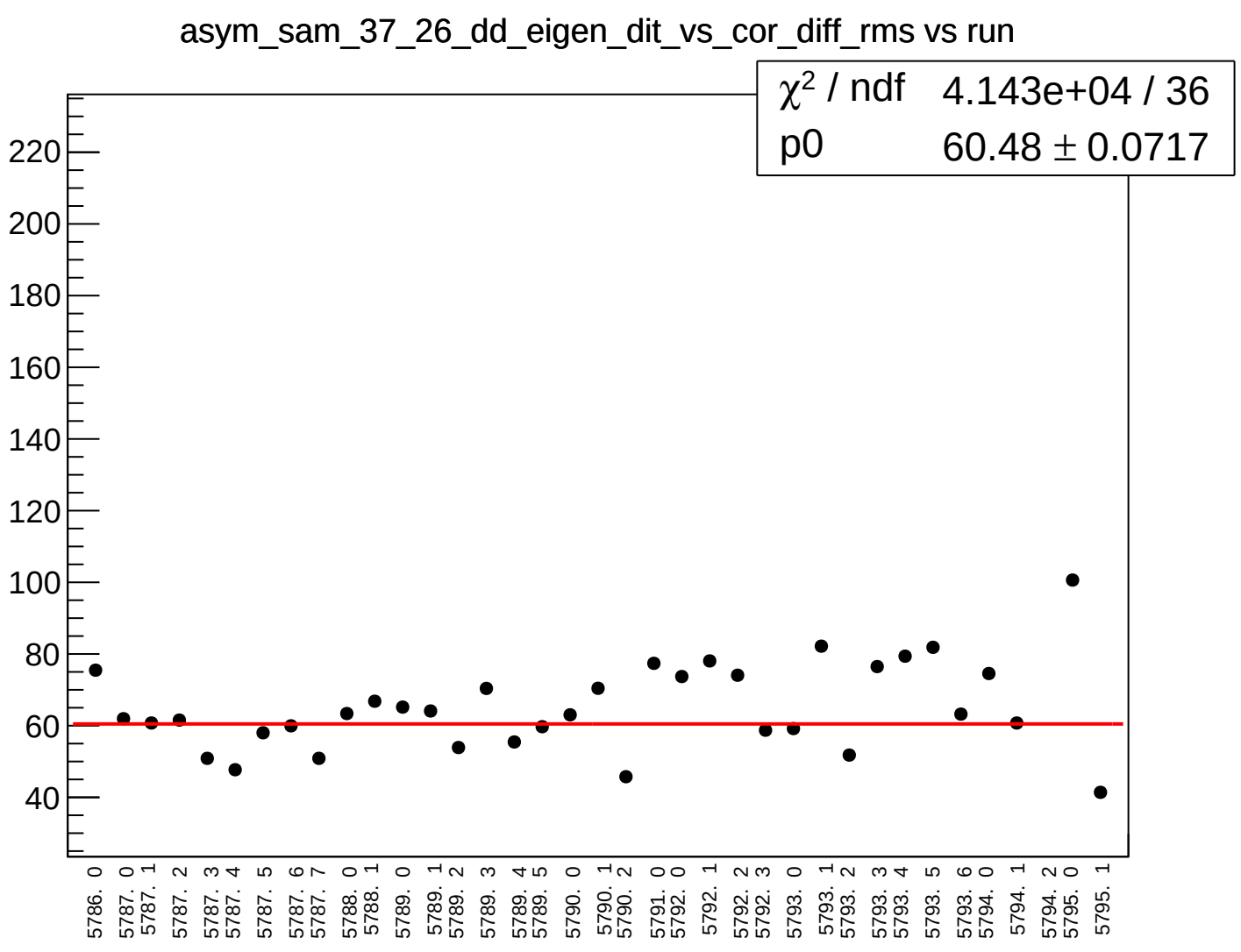

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.26 / 36
p0 −0.03145 ± 0.1014
pull
Entries 37
Mean −61.14
Std Dev 0
pull1D
Entries 37
Mean 0.0193
Std Dev 1.081

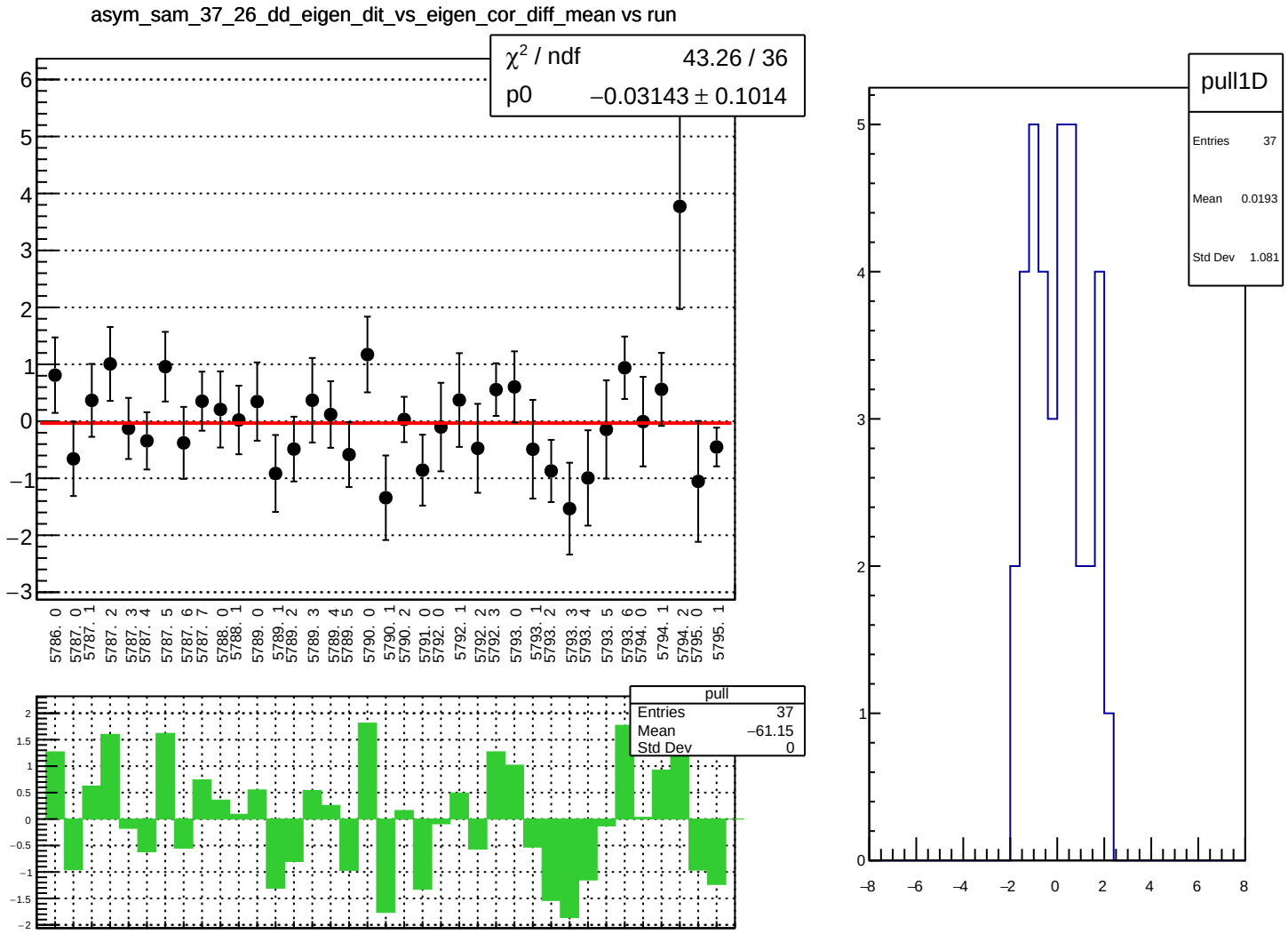

asym_sam_37_26_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.143e+04 / 36
p0 60.48 ± 0.0717
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

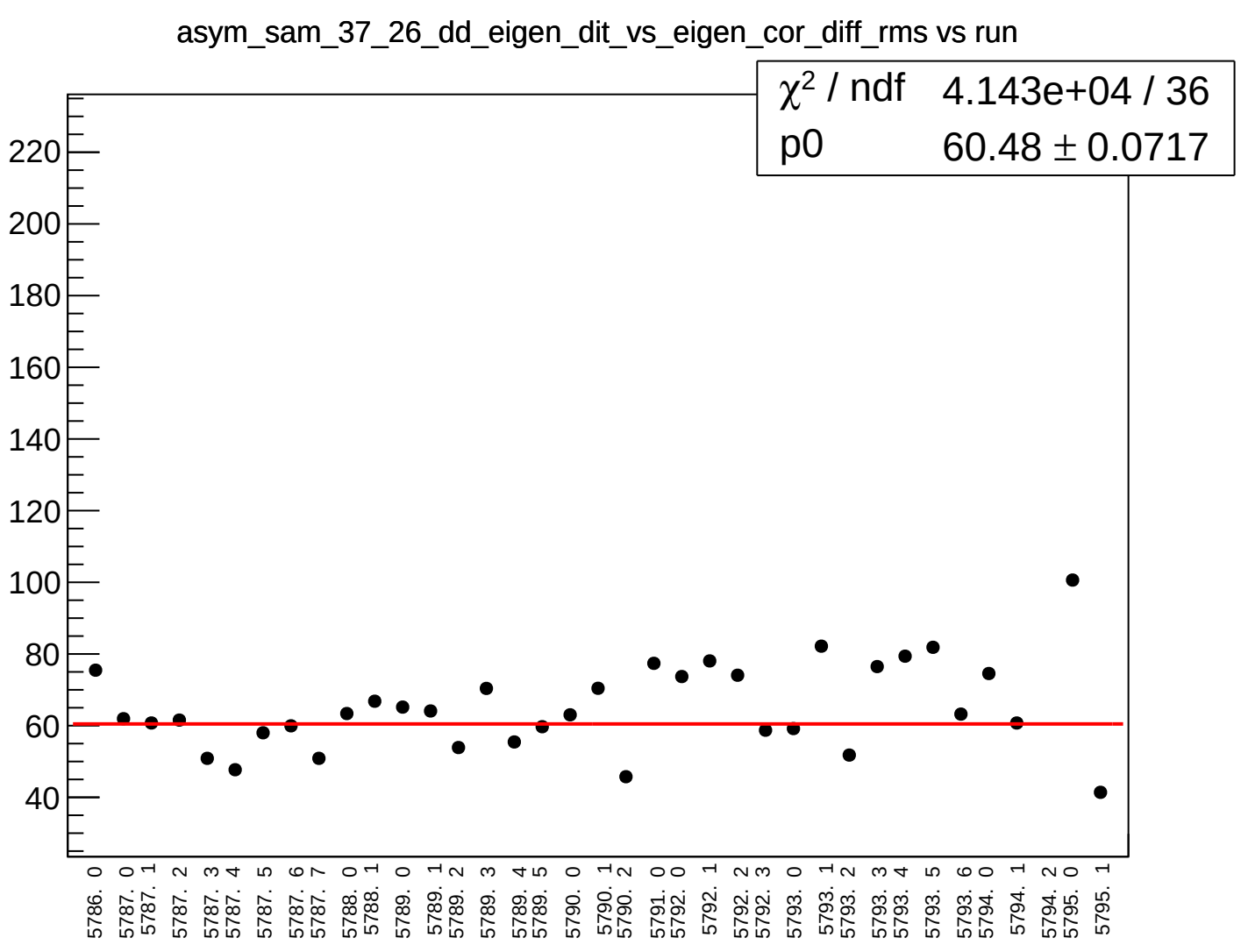

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 38.5 / 36
p0 1.82e−05 ± 1.262e−05
0.3
0.2
0.1
0
−0.1
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −33.85
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01354
Std Dev 1.02
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

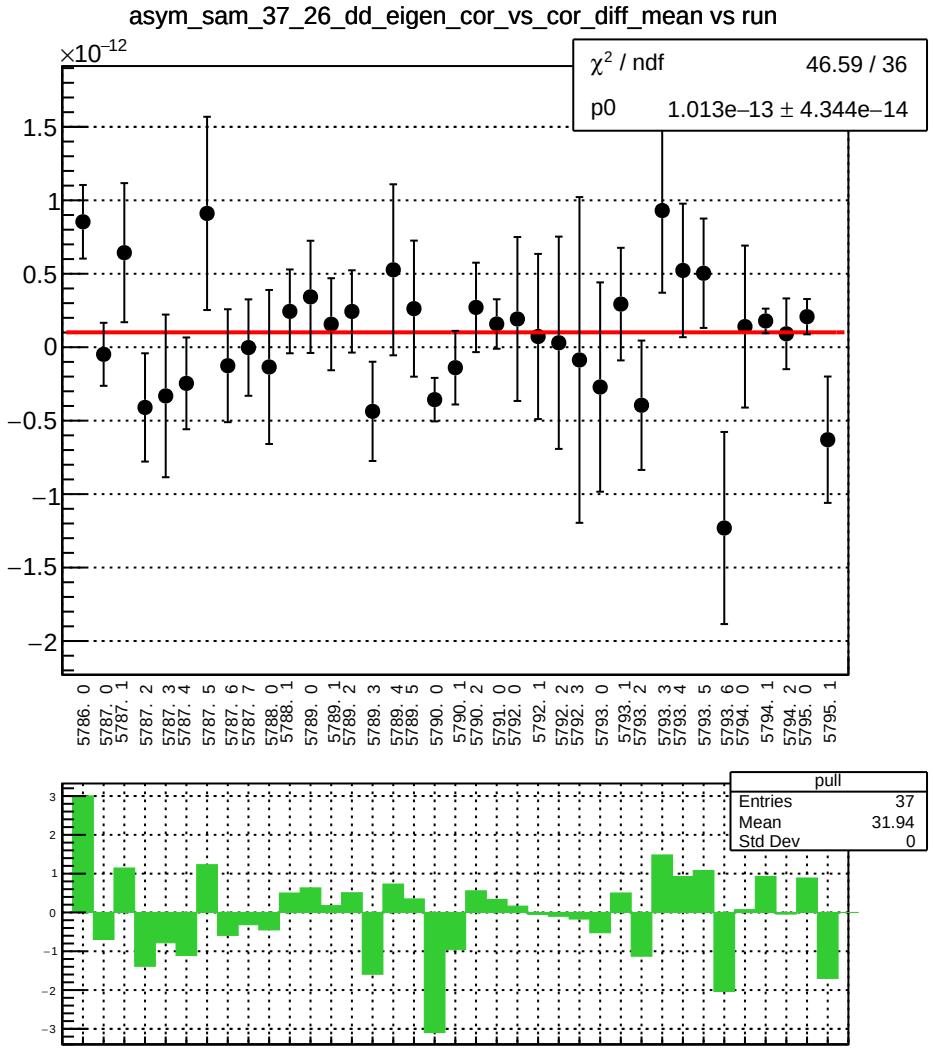

asym_sam_37_26_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 3463 / 36
p0 0.007727 ± 8.925e−06
0.009
0.0085
0.008
0.0075
0.007
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

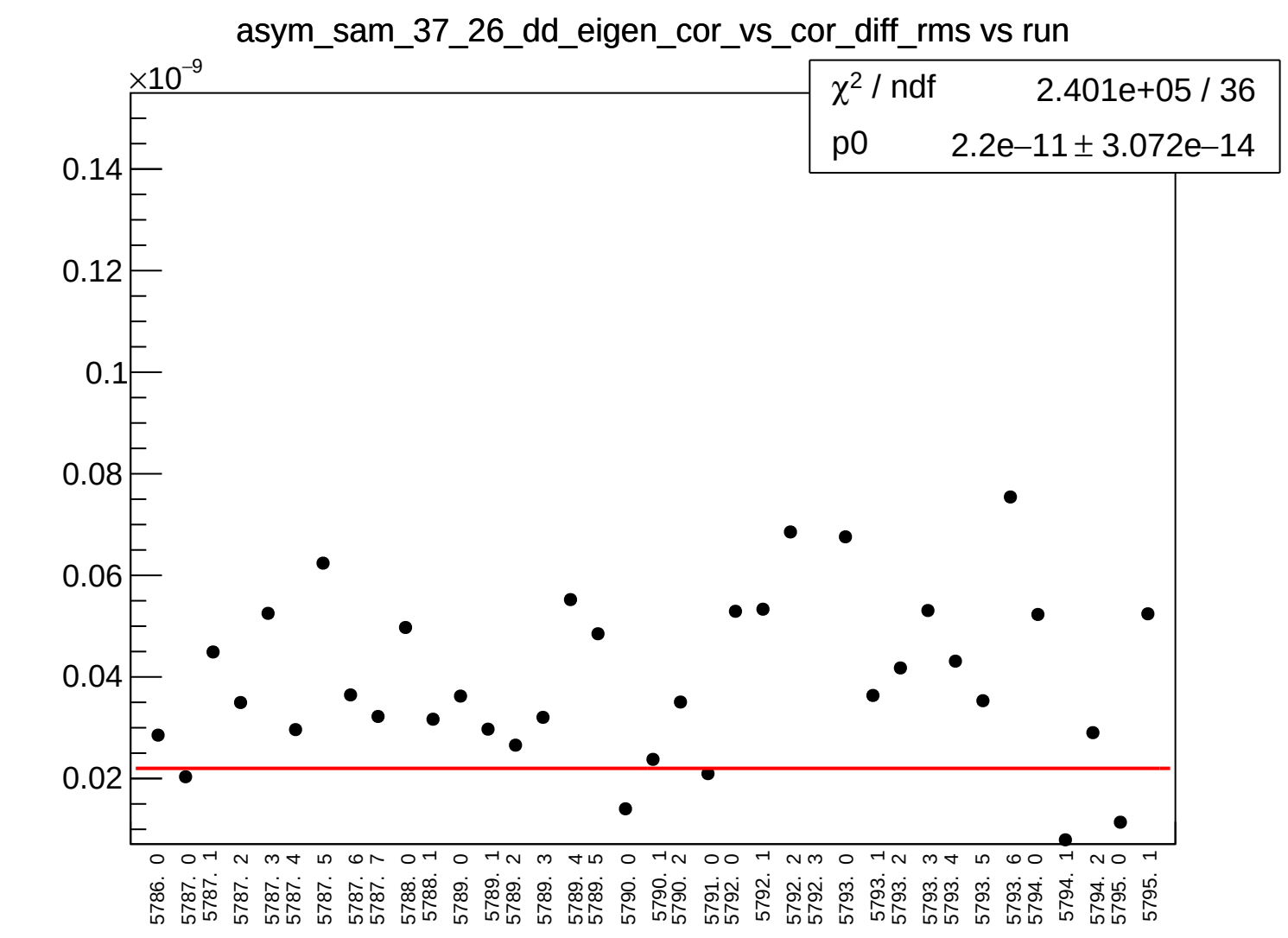

asym_sam_37_26_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 43.26 / 36
p0 −0.03143 ± 0.1014
pull
Entries 37
Mean −61.15
Std Dev 0
pull1D
Entries 37
Mean 0.0193
Std Dev 1.081


asym_sam_37_26_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.143e+04 / 36
p0 60.48 ± 0.0717
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 43.26 / 36
p0 −0.03143 ± 0.1014
pull
Entries 37
Mean −61.15
Std Dev 0
pull1D
Entries 37
Mean 0.0193
Std Dev 1.081


asym_sam_37_26_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.143e+04 / 36
p0 60.48 ± 0.0717
220
200
180
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 46.59 / 36
p0 1.013e−13 ± 4.344e−14
1.5
1
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.94
Std Dev 0
3
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.04094
Std Dev 1.121
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_37_26_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.401e+05 / 36
p0 2.2e−11 ± 3.072e−14
0.14
0.12
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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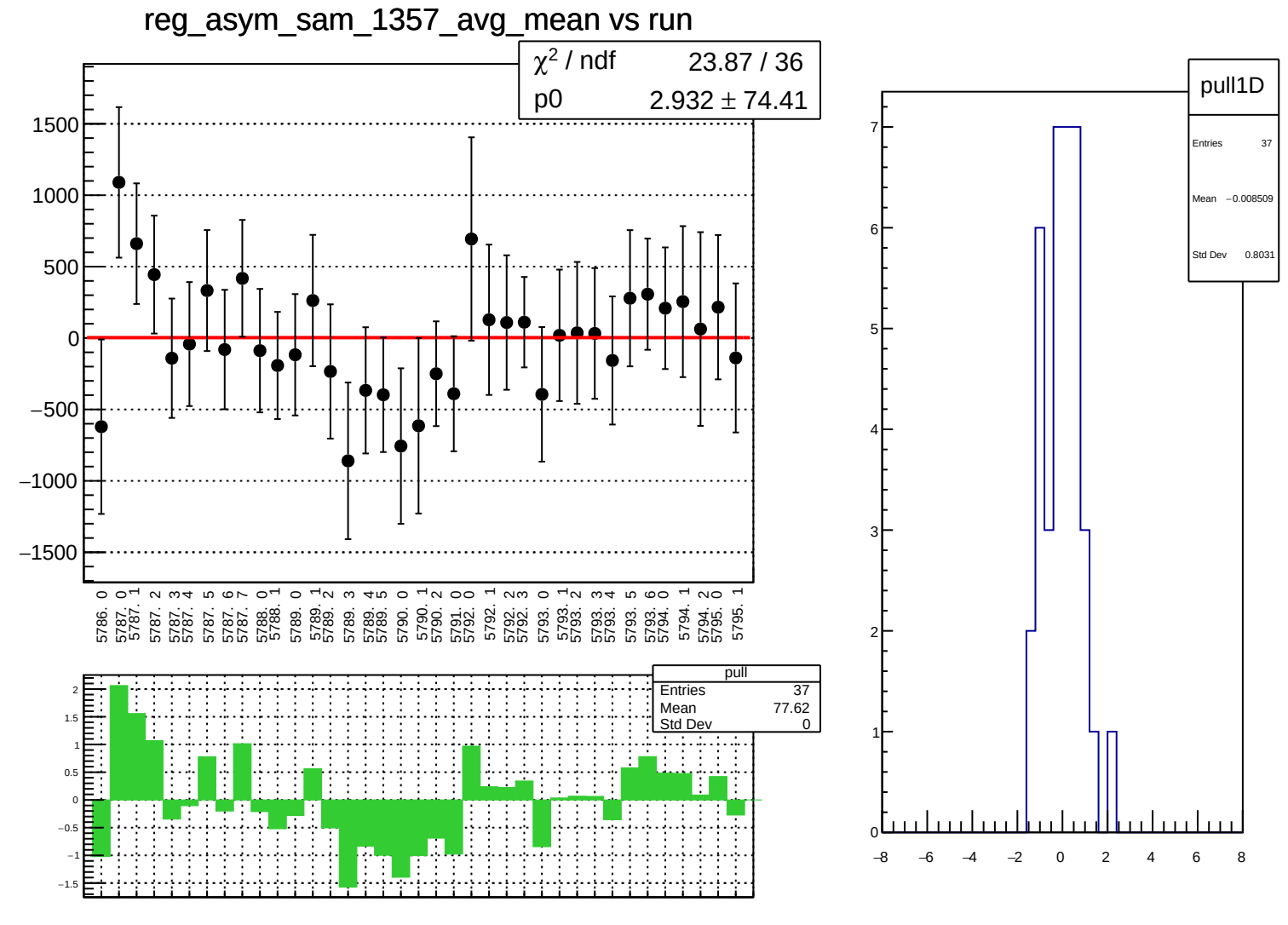
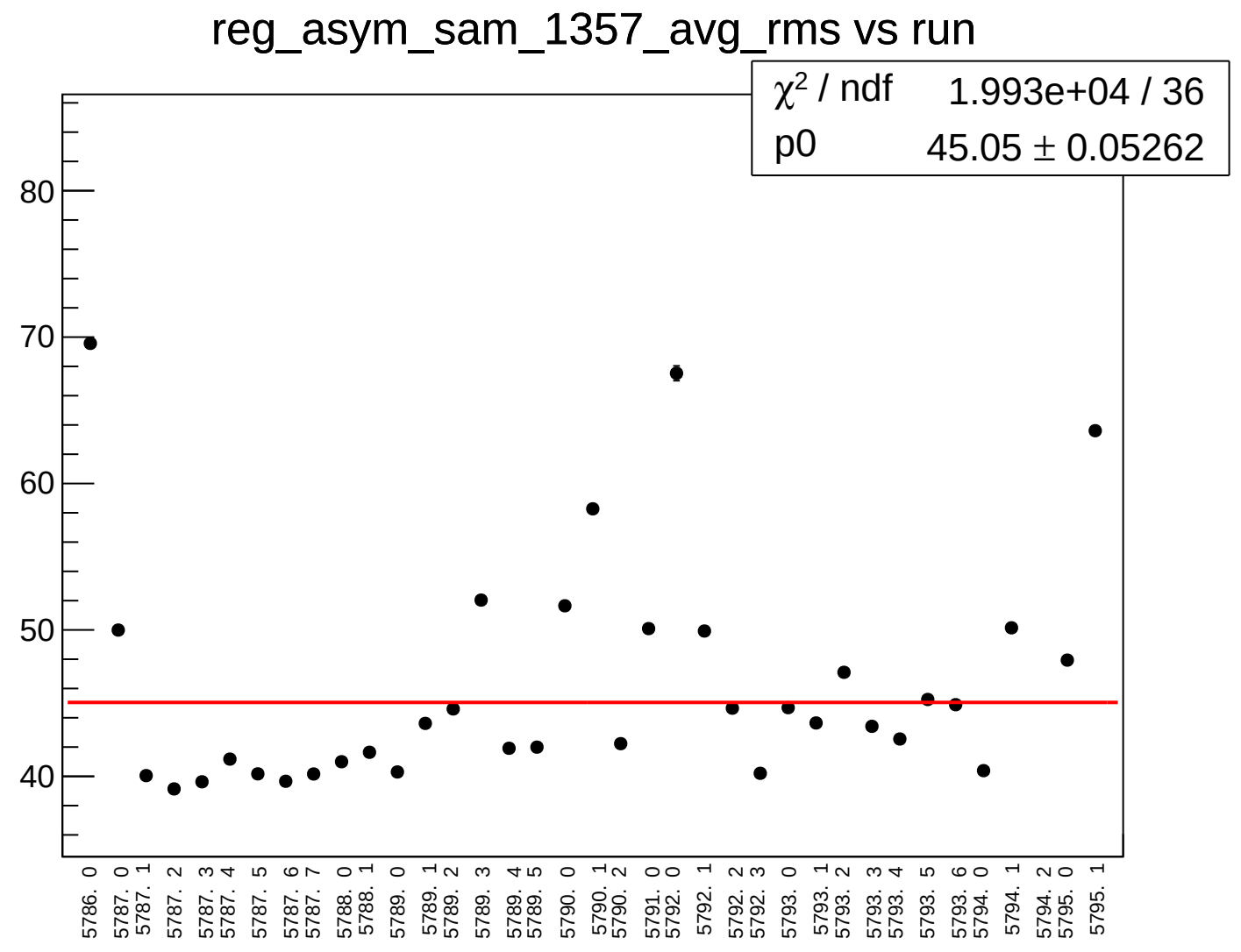
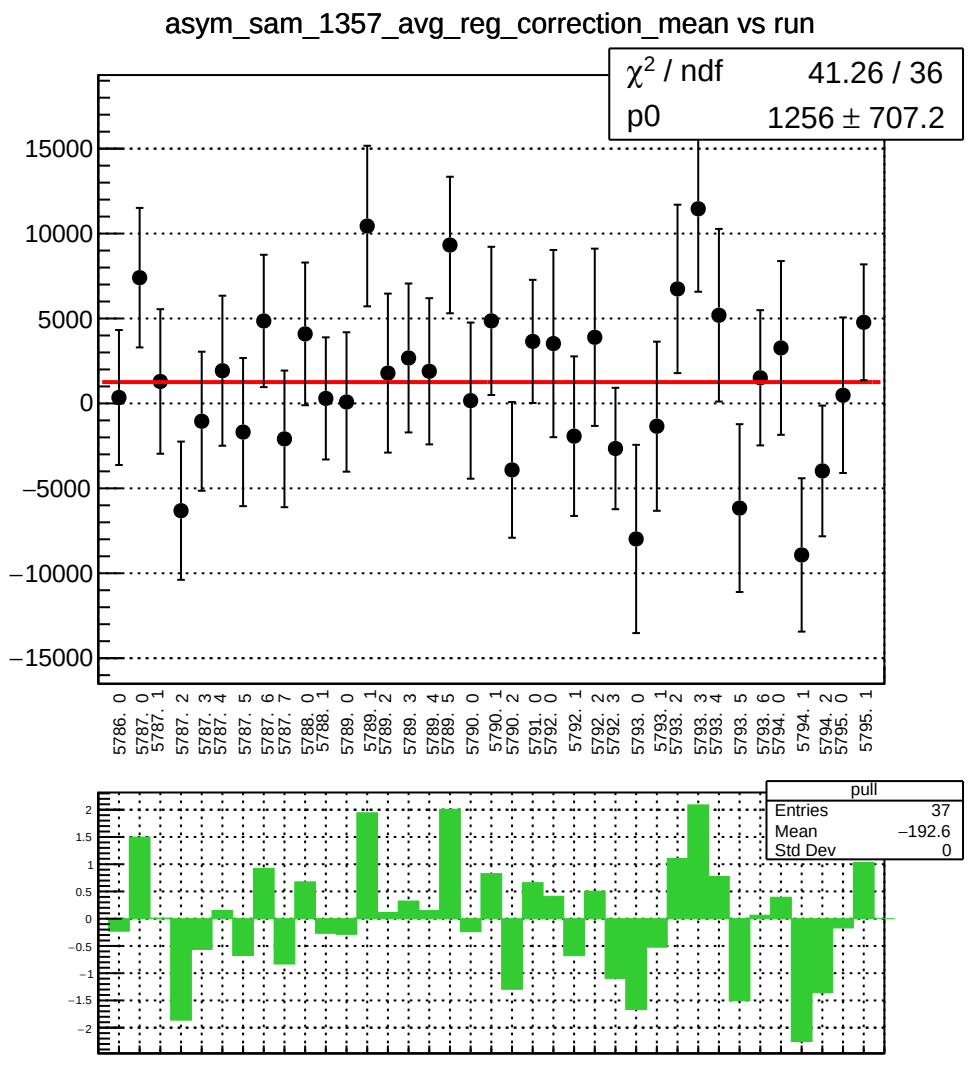
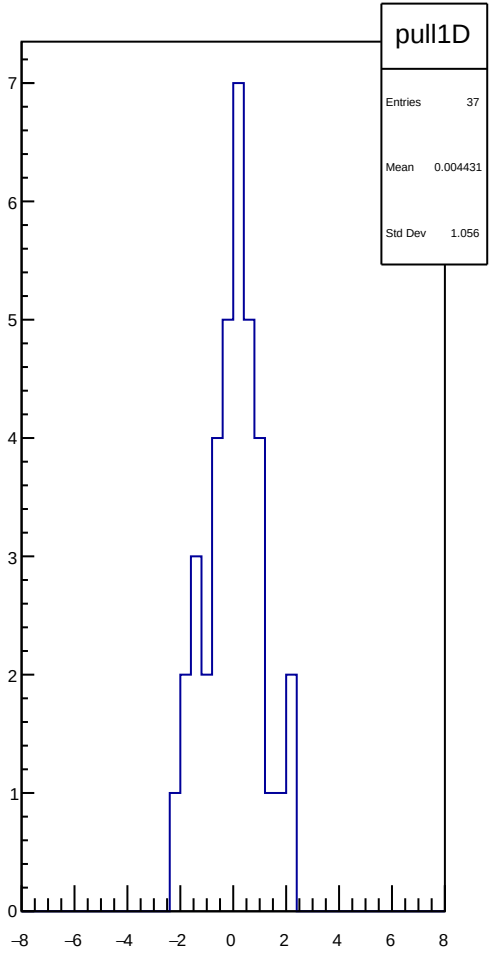
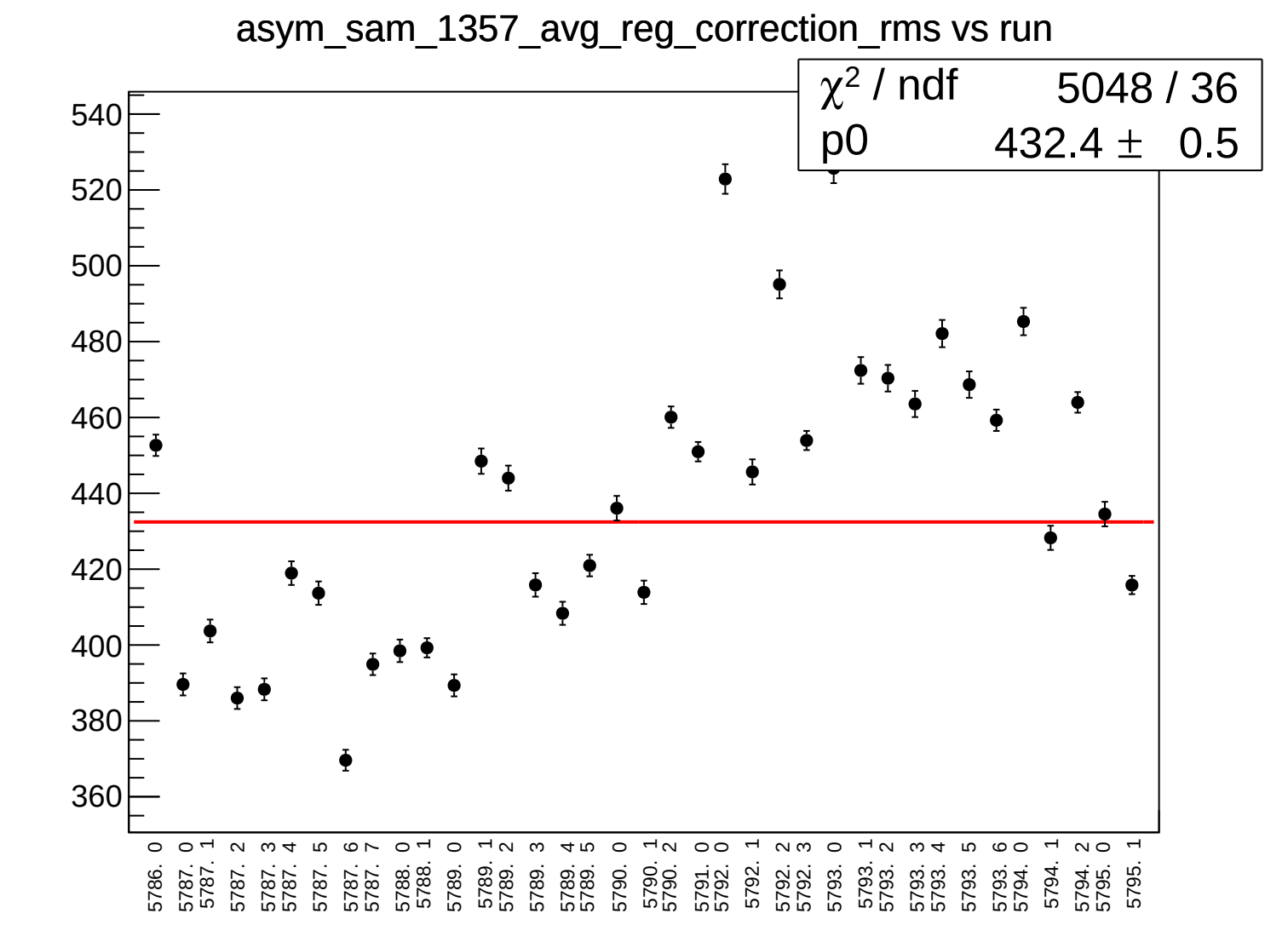
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

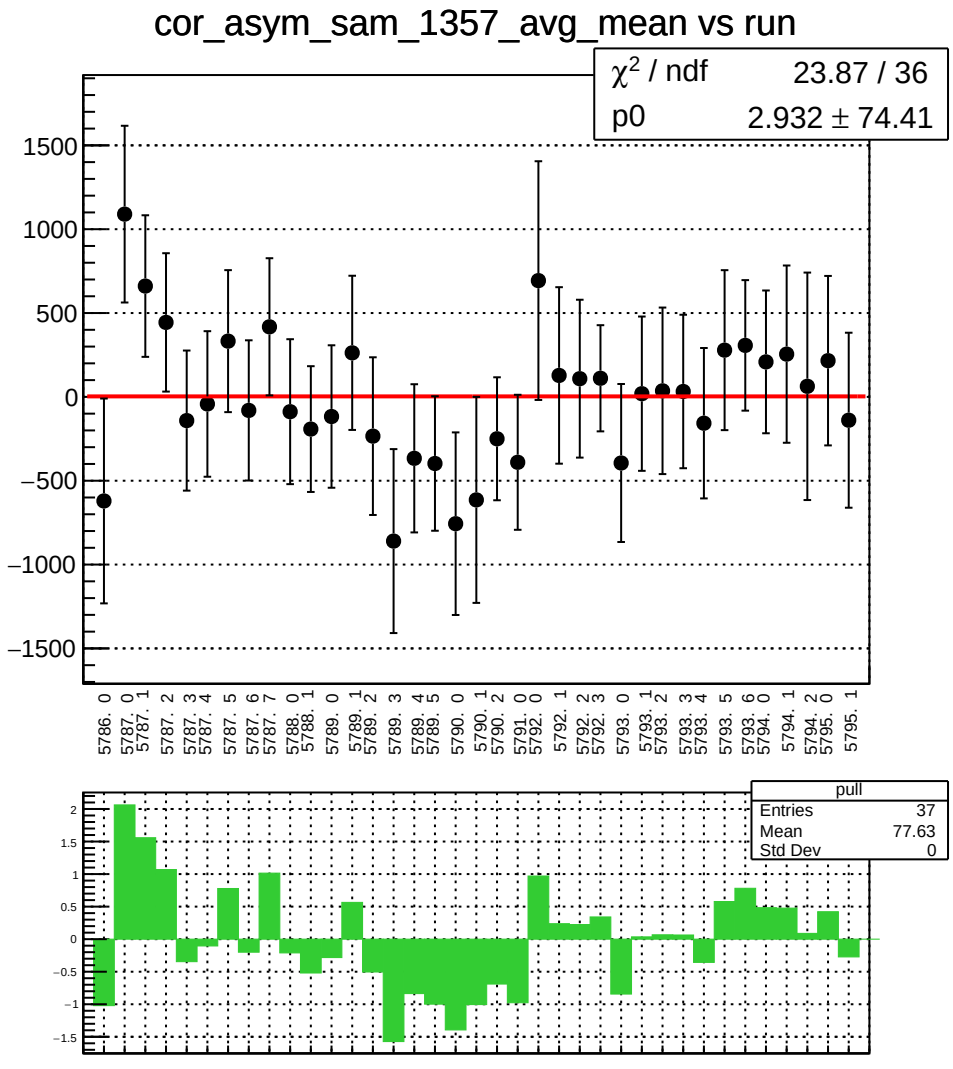

reg_asym_sam_1357_avg_mean vs run
χ² / ndf 23.87 / 36
p0 2.932 ± 74.41
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 77.62
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.008509
Std Dev 0.8031
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

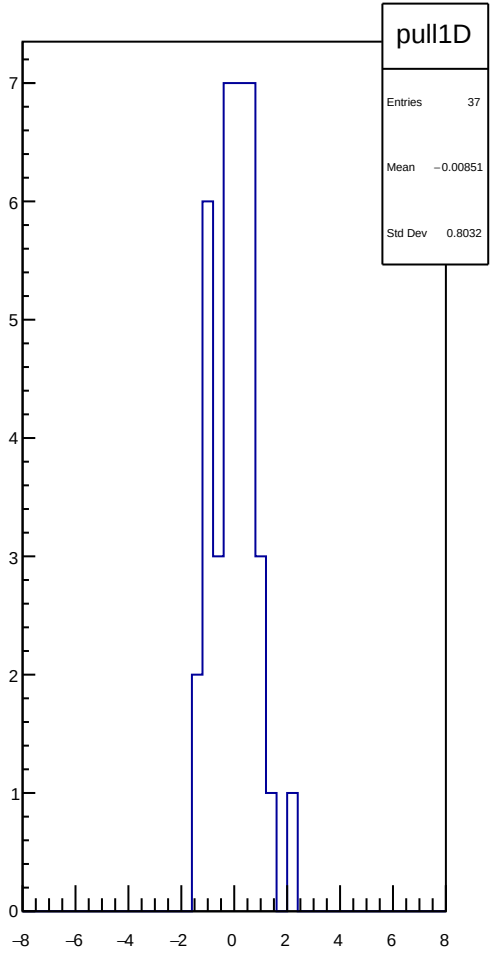

reg_asym_sam_1357_avg_rms vs run
χ² / ndf 1.993e+04 / 36
p0 45.05 ± 0.05262
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

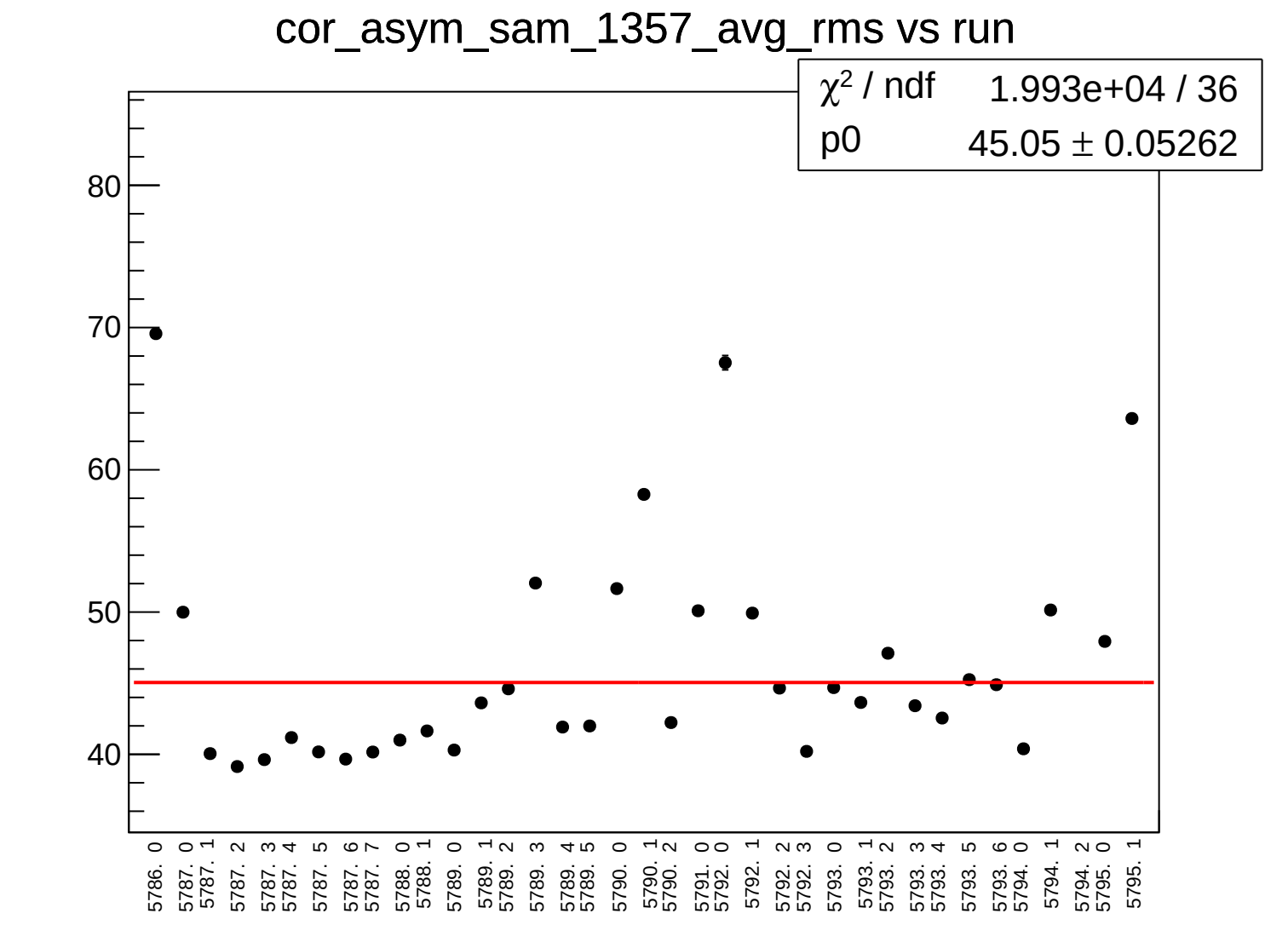

asym_sam_1357_avg_reg_correction_mean vs run
χ² / ndf 41.26 / 36
p0 1256 ± 707.2
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −192.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

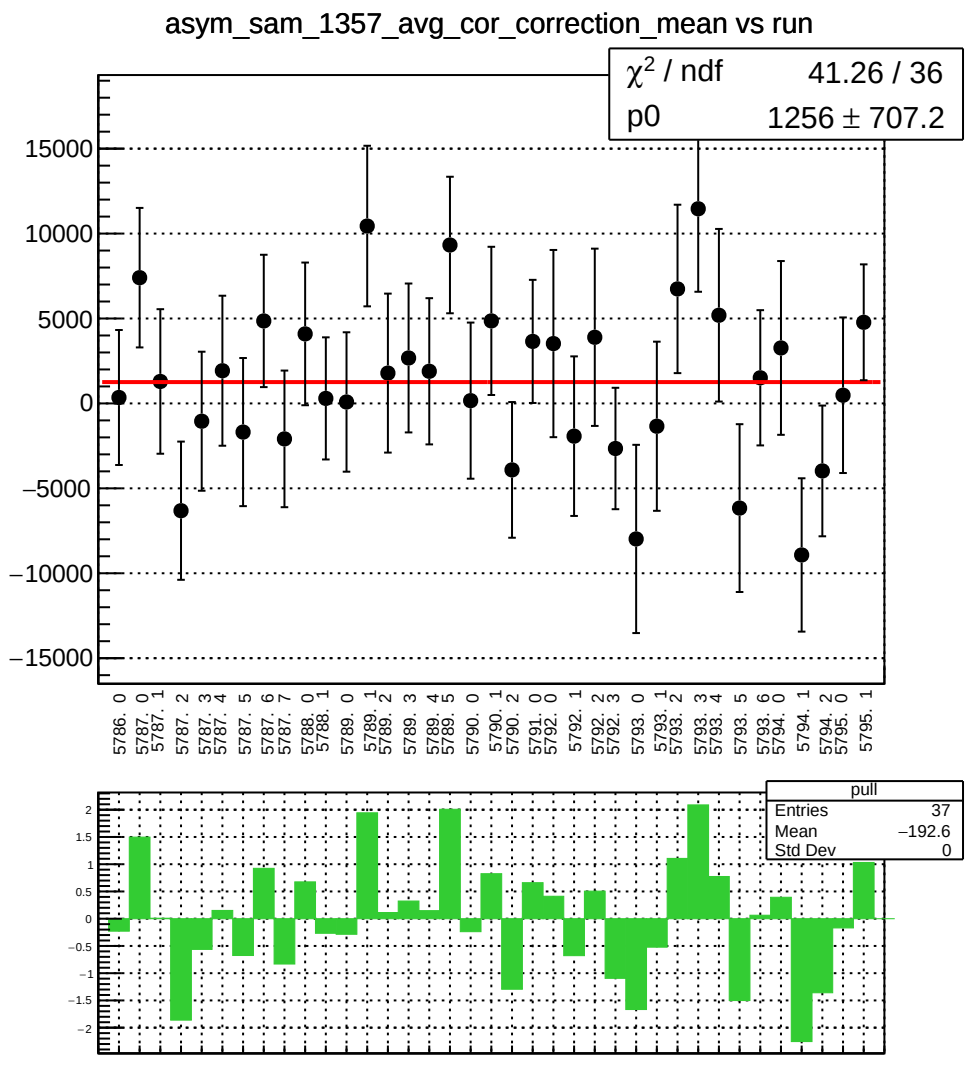

pull1D
Entries 37
Mean 0.004431
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

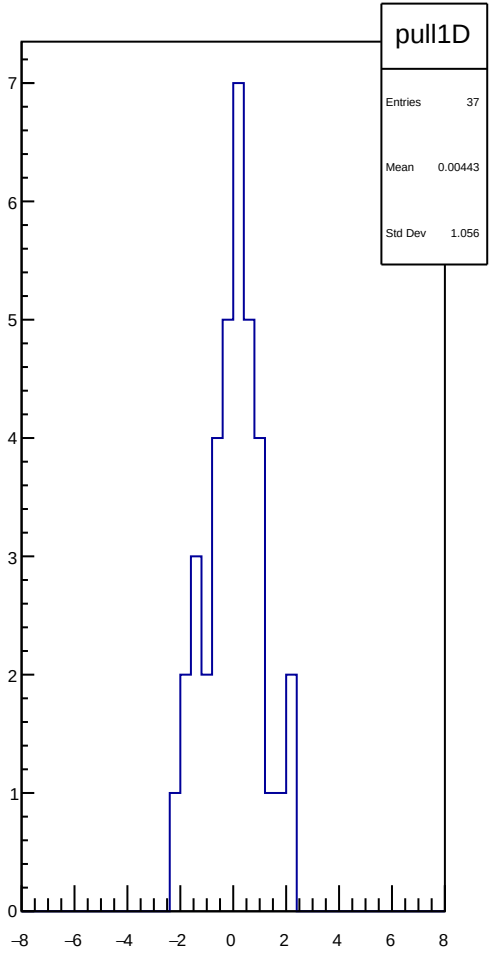

asym_sam_1357_avg_reg_correction_rms vs run
χ² / ndf 5048 / 36
p0 432.4 ± 0.5
540
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

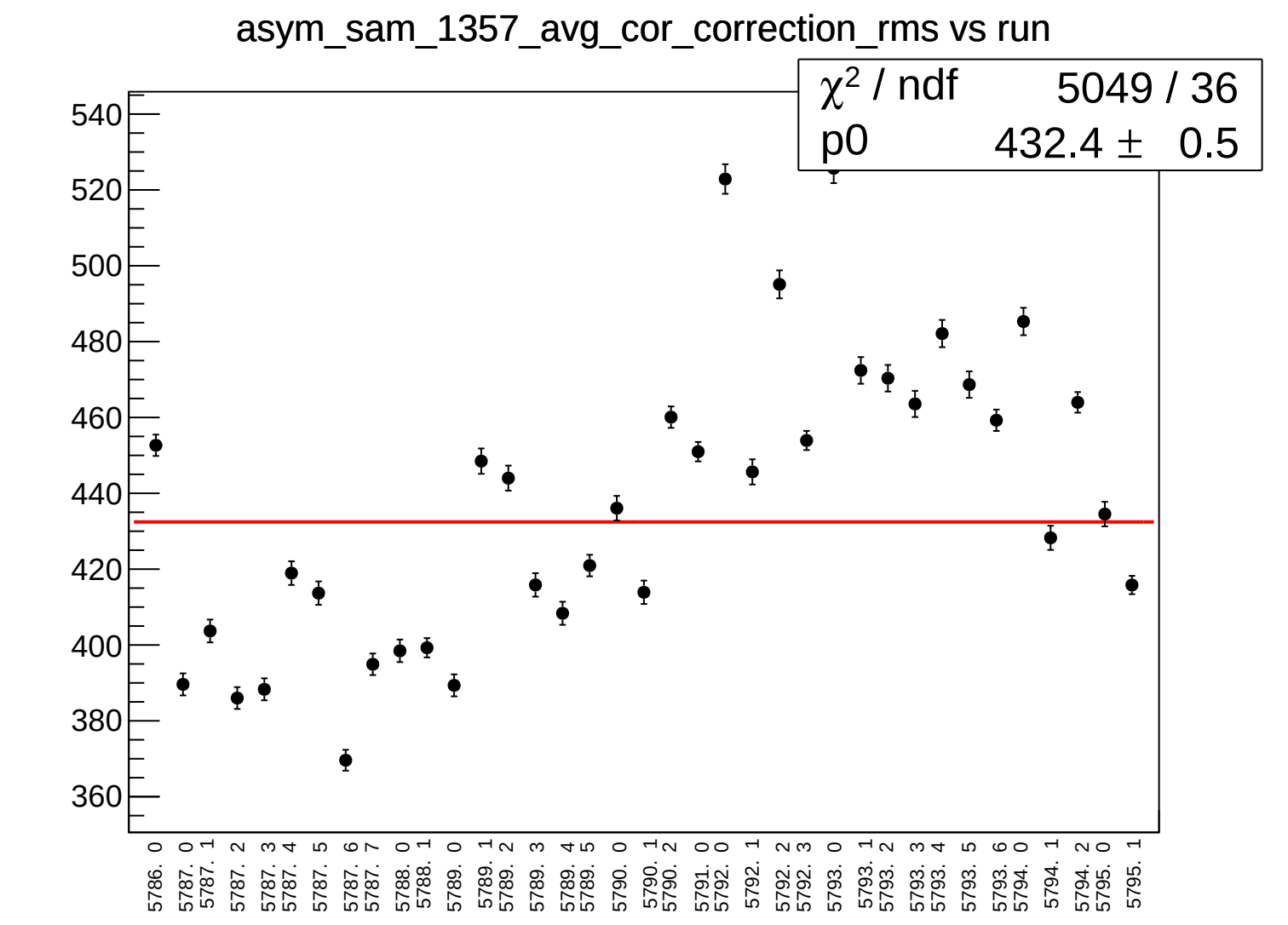

cor_asym_sam_1357_avg_mean vs run
χ² / ndf 23.87 / 36
p0 2.932 ± 74.41
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 77.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

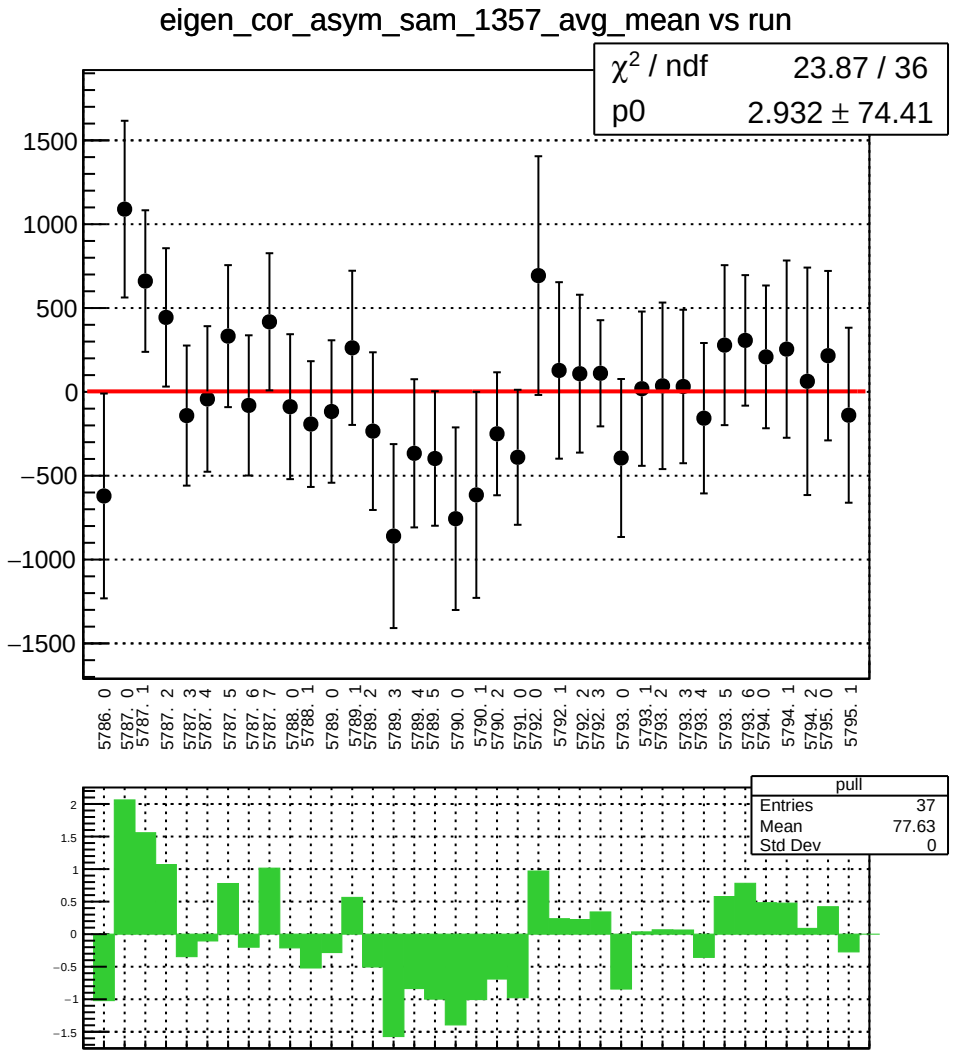

pull1D
Entries 37
Mean −0.00851
Std Dev 0.8032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

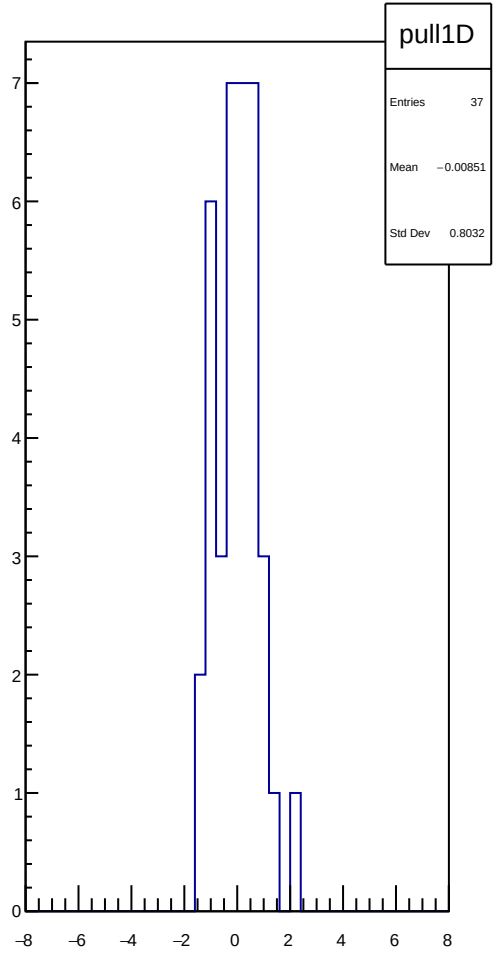

cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.993e+04 / 36
p0 45.05 ± 0.05262
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

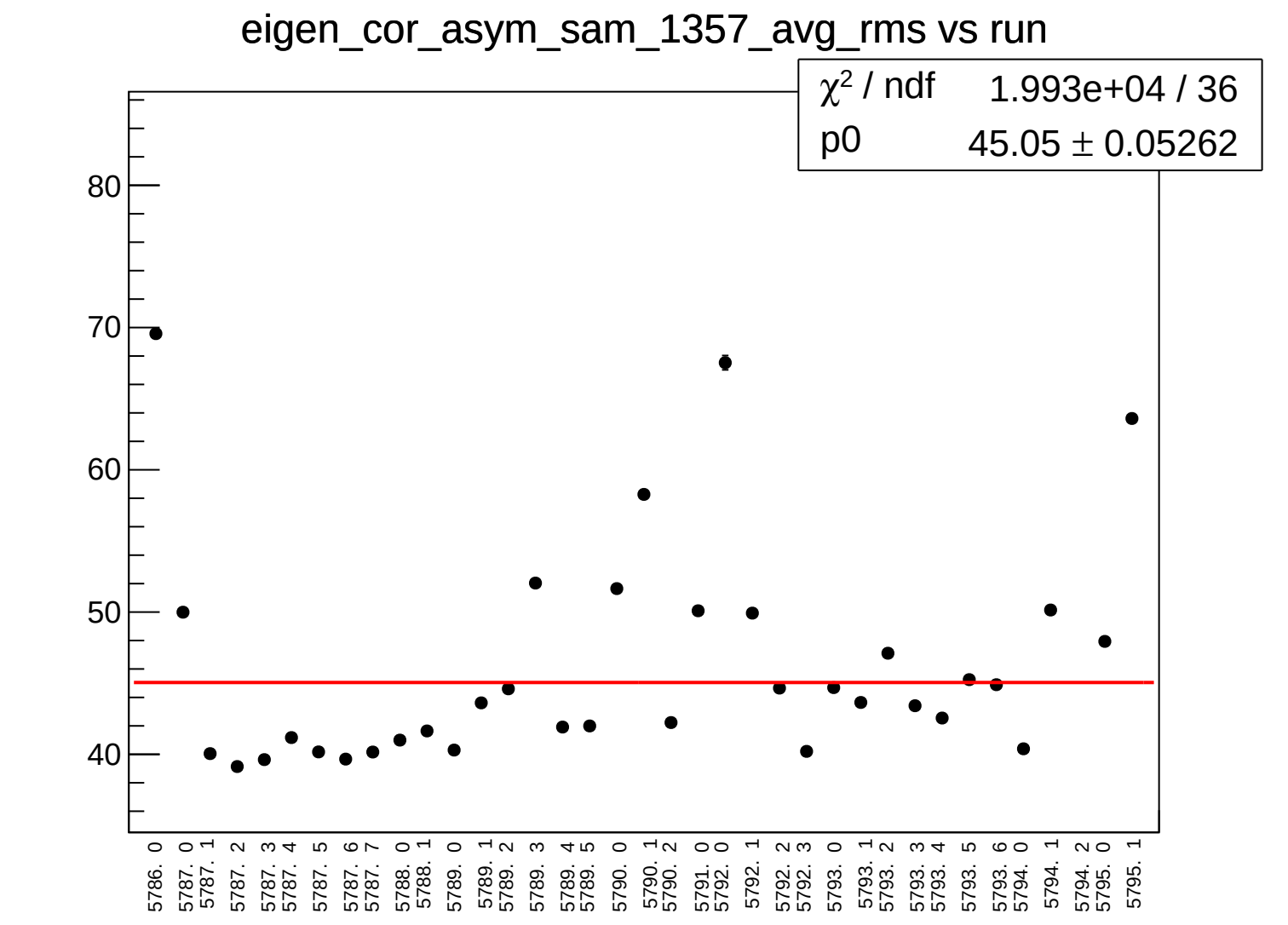

asym_sam_1357_avg_cor_correction_mean vs run
χ² / ndf 41.26 / 36
p0 1256 ± 707.2
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −192.6
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.00443
Std Dev 1.056
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

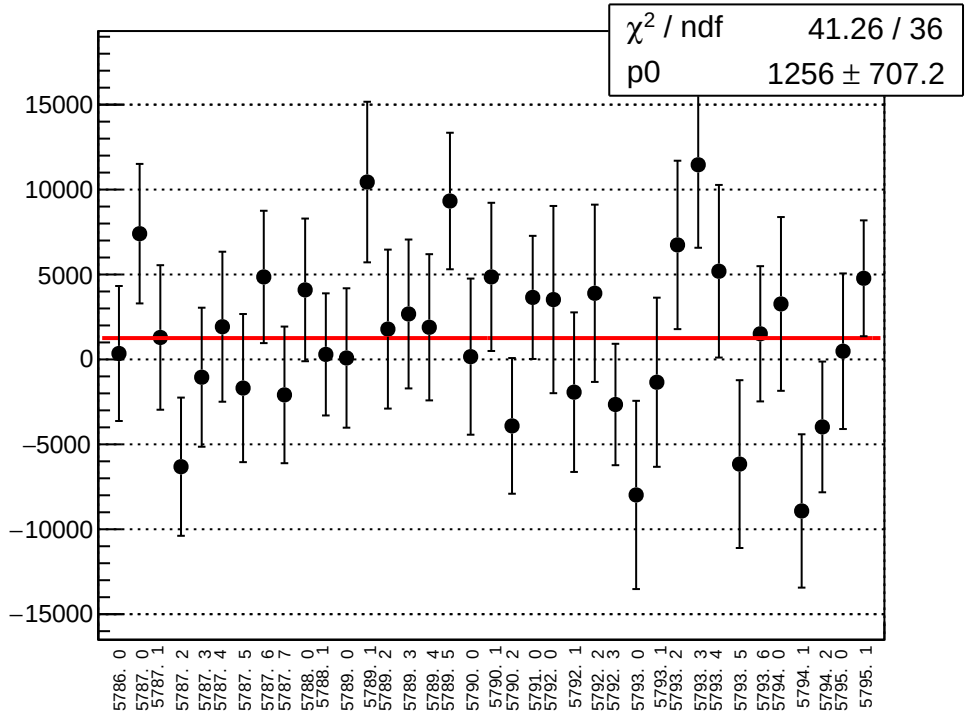

asym_sam_1357_avg_cor_correction_rms vs run
χ² / ndf 5049 / 36
p0 432.4 ± 0.5
540
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

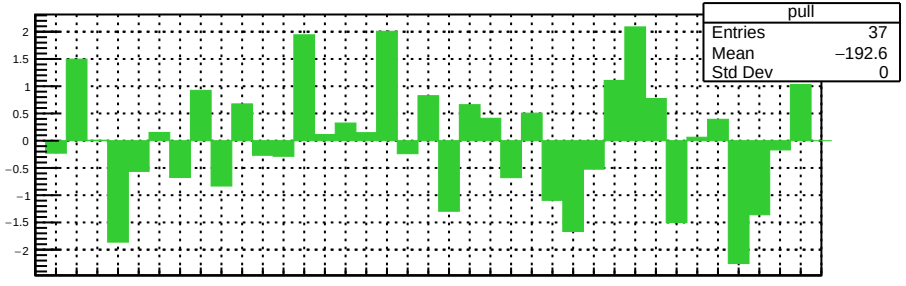

eigen_cor_asym_sam_1357_avg_mean vs run
χ² / ndf 23.87 / 36
p0 2.932 ± 74.41
1500
1000
500
0
−500
−1000
−1500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 77.63
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

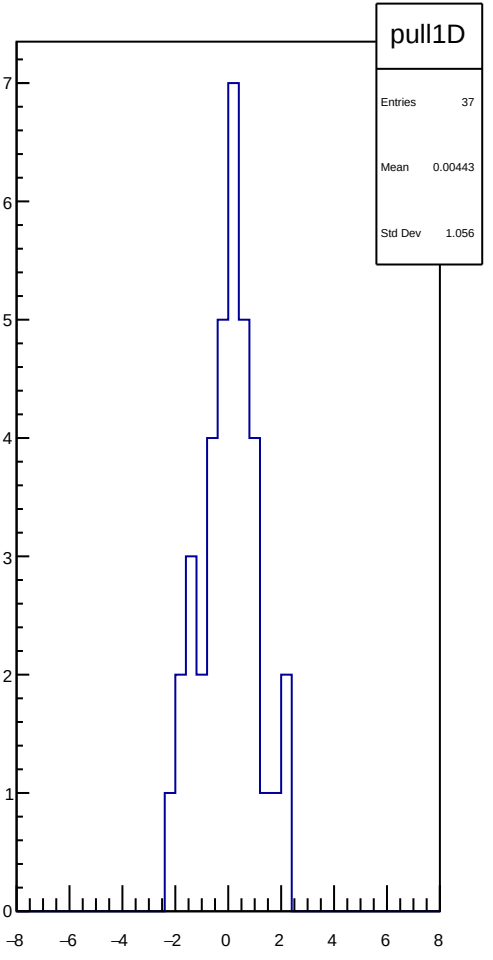

pull1D
Entries 37
Mean −0.00851
Std Dev 0.8032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

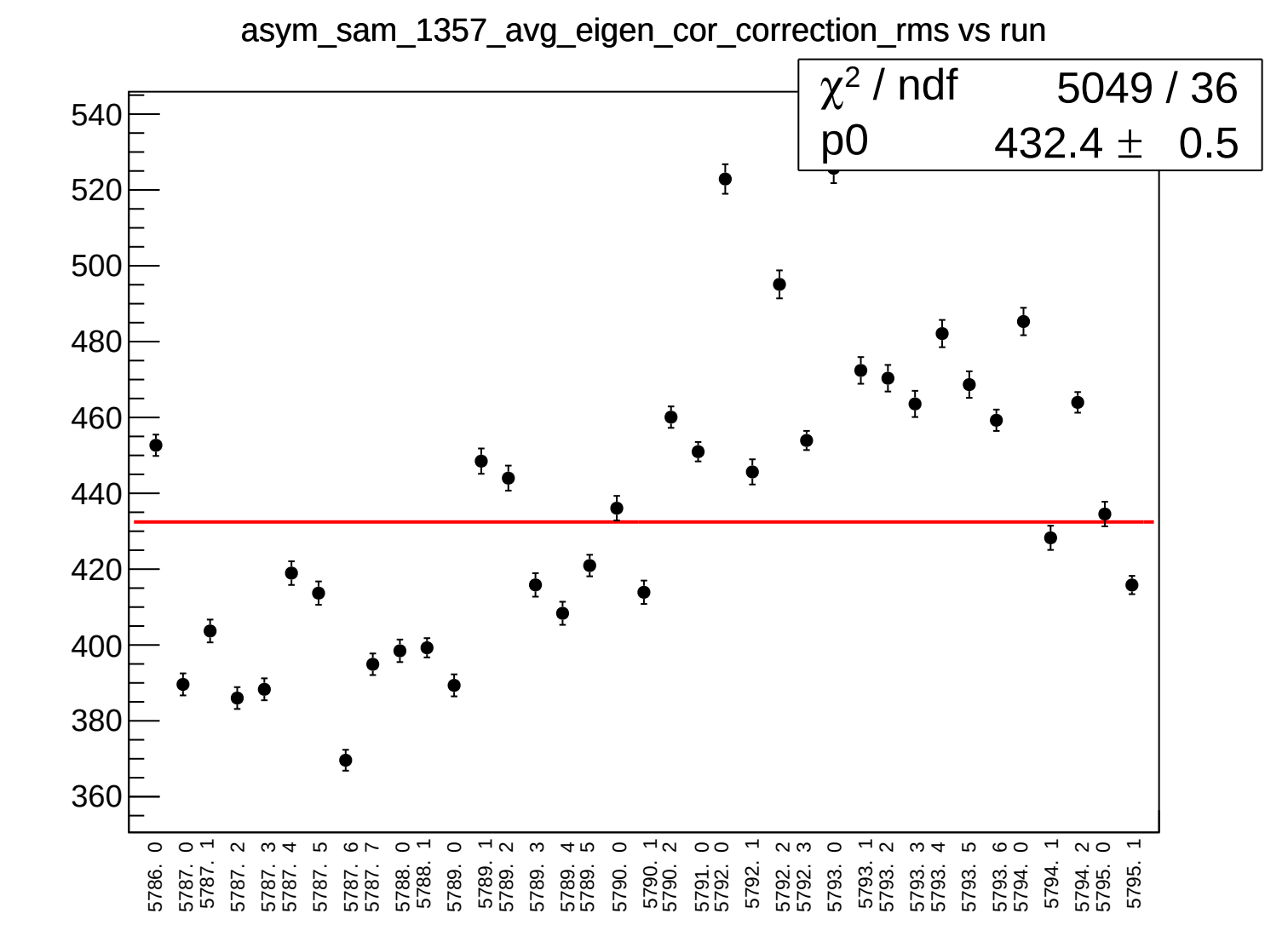

eigen_cor_asym_sam_1357_avg_rms vs run
χ² / ndf 1.993e+04 / 36
p0 45.05 ± 0.05262
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

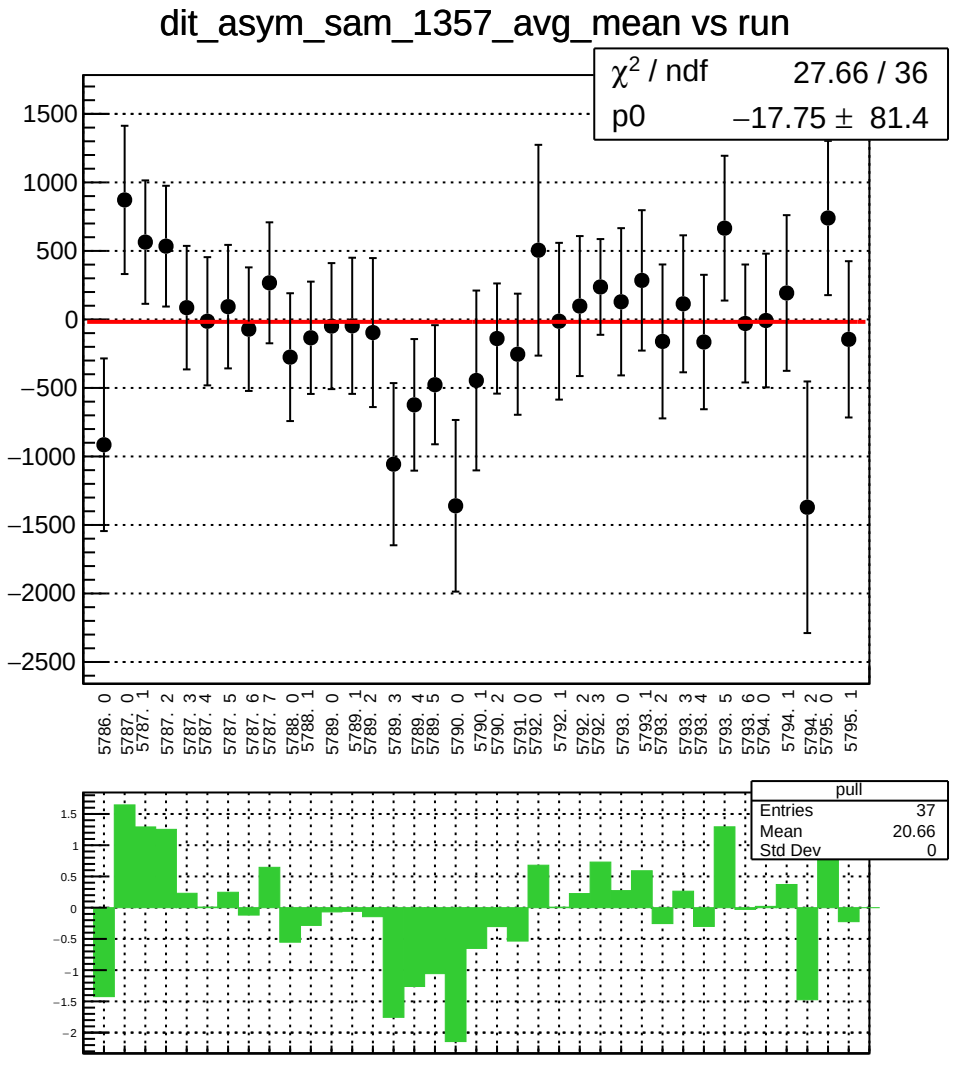
asym_sam_1357_avg_eigen_cor_correction_mean vs run

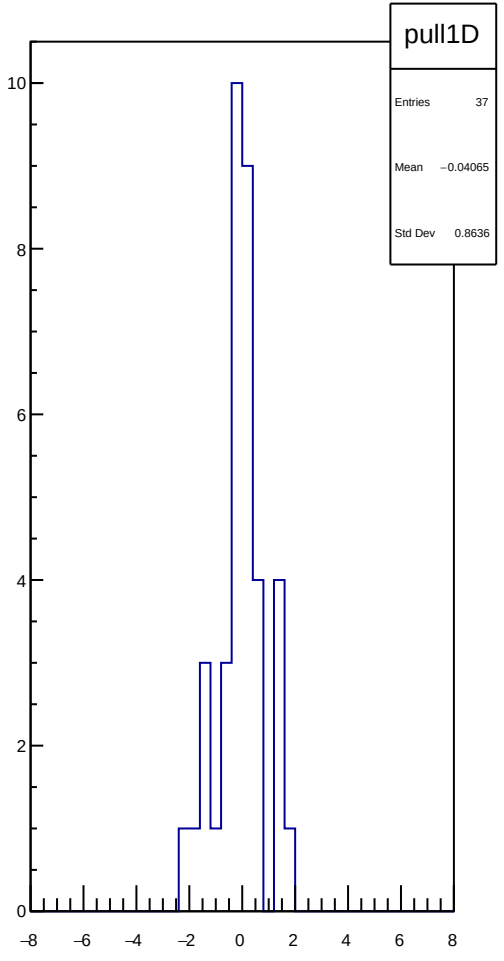


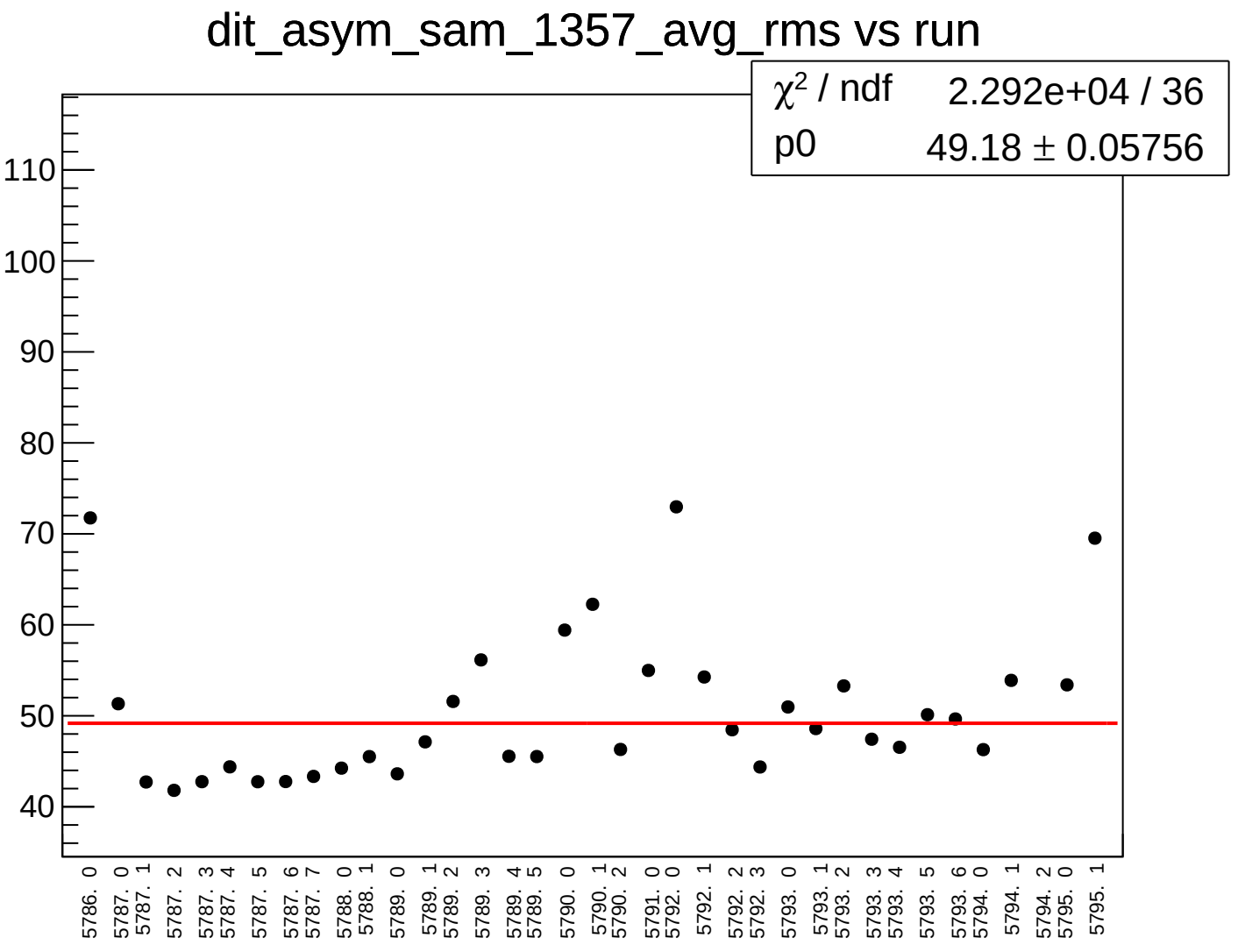


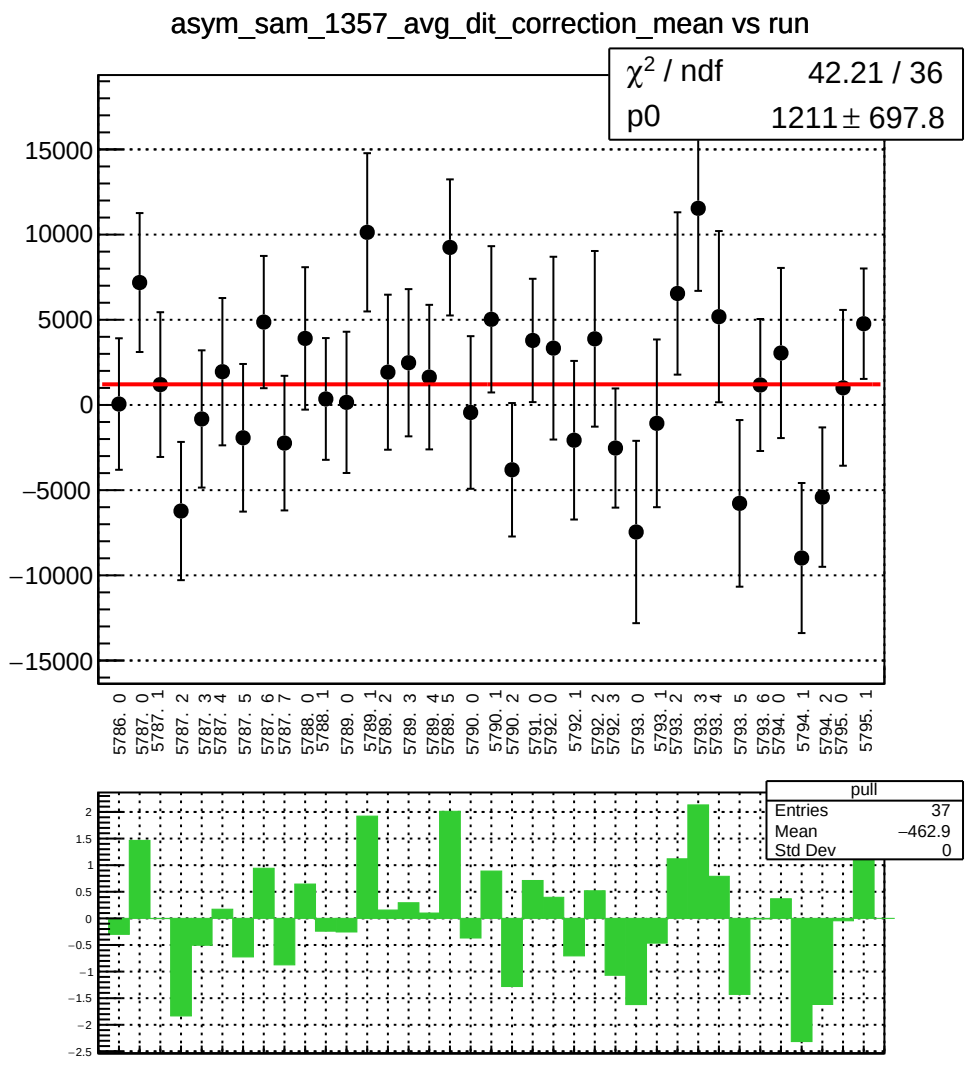


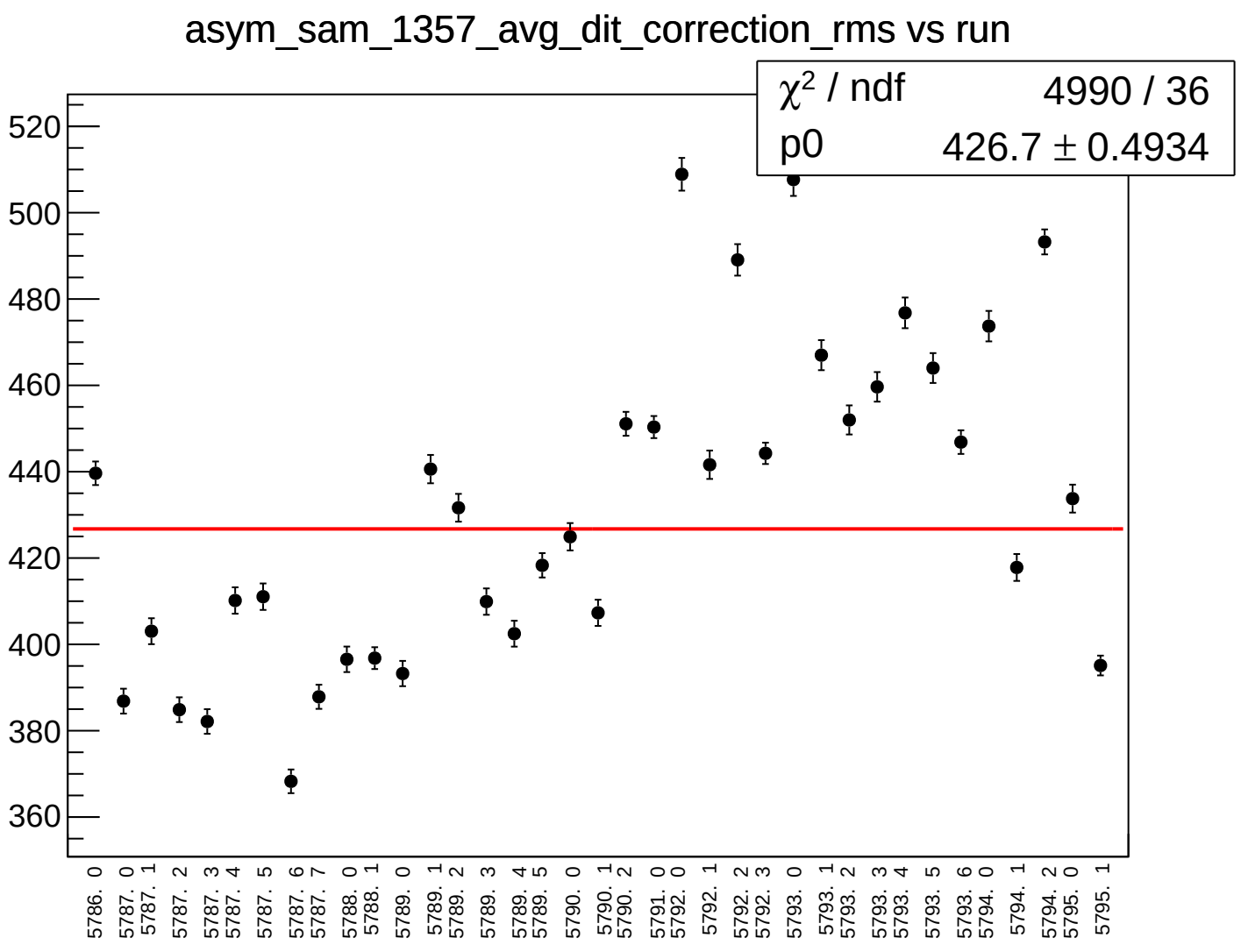

asym_sam_1357_avg_eigen_cor_correction_rms vs run
χ² / ndf 5049 / 36
p0 432.4 ± 0.5
540
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

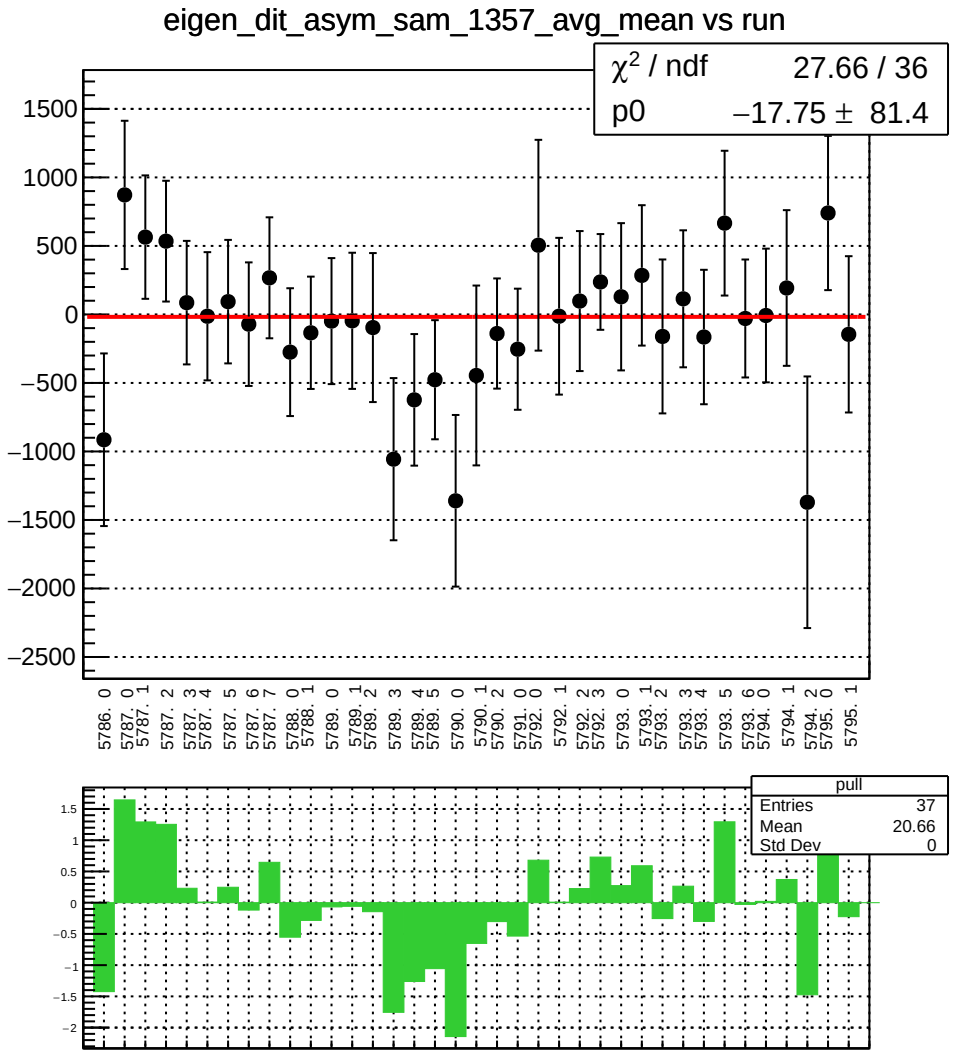

dit_asym_sam_1357_avg_mean vs run
χ² / ndf 27.66 / 36
p0 −17.75 ± 81.4
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

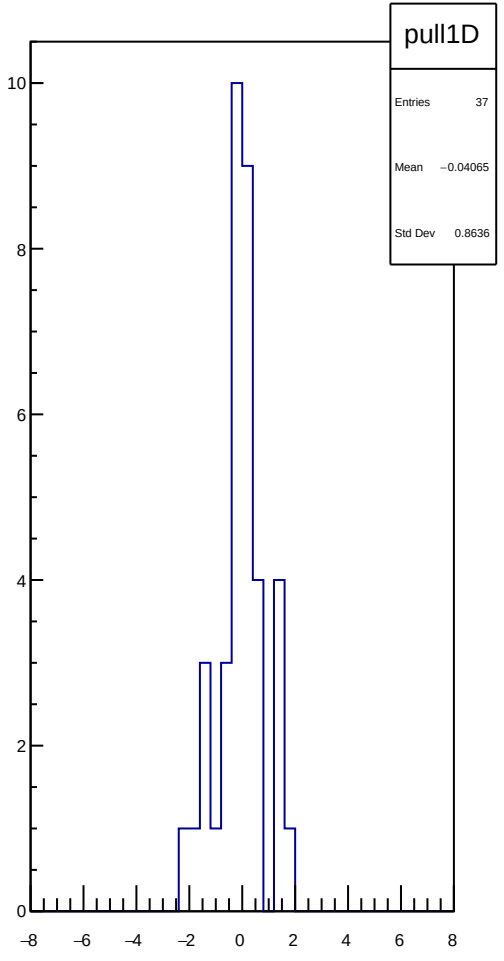

pull1D
Entries 37
Mean −0.04065
Std Dev 0.8636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

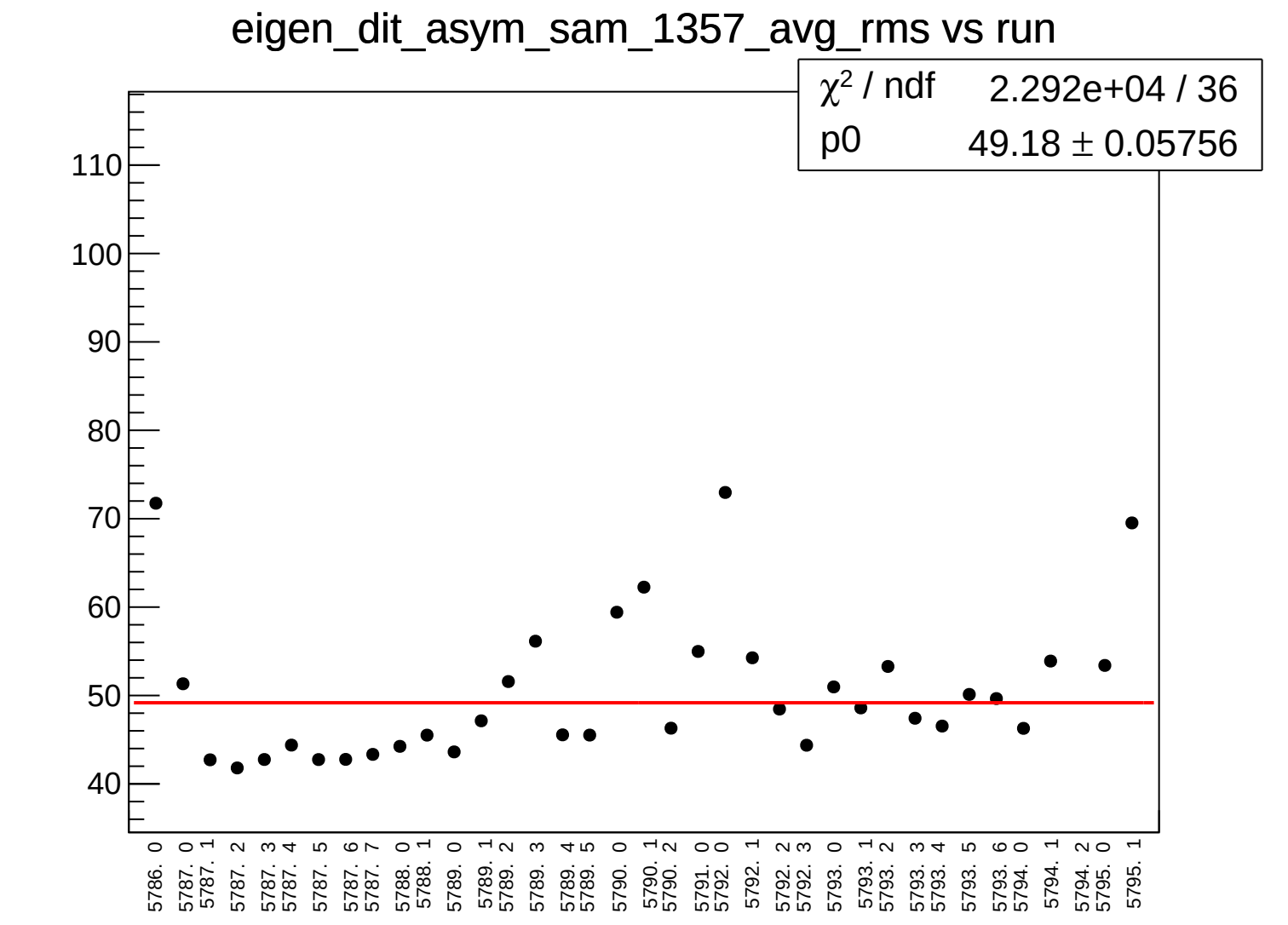

dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.292e+04 / 36
p0 49.18 ± 0.05756
110
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

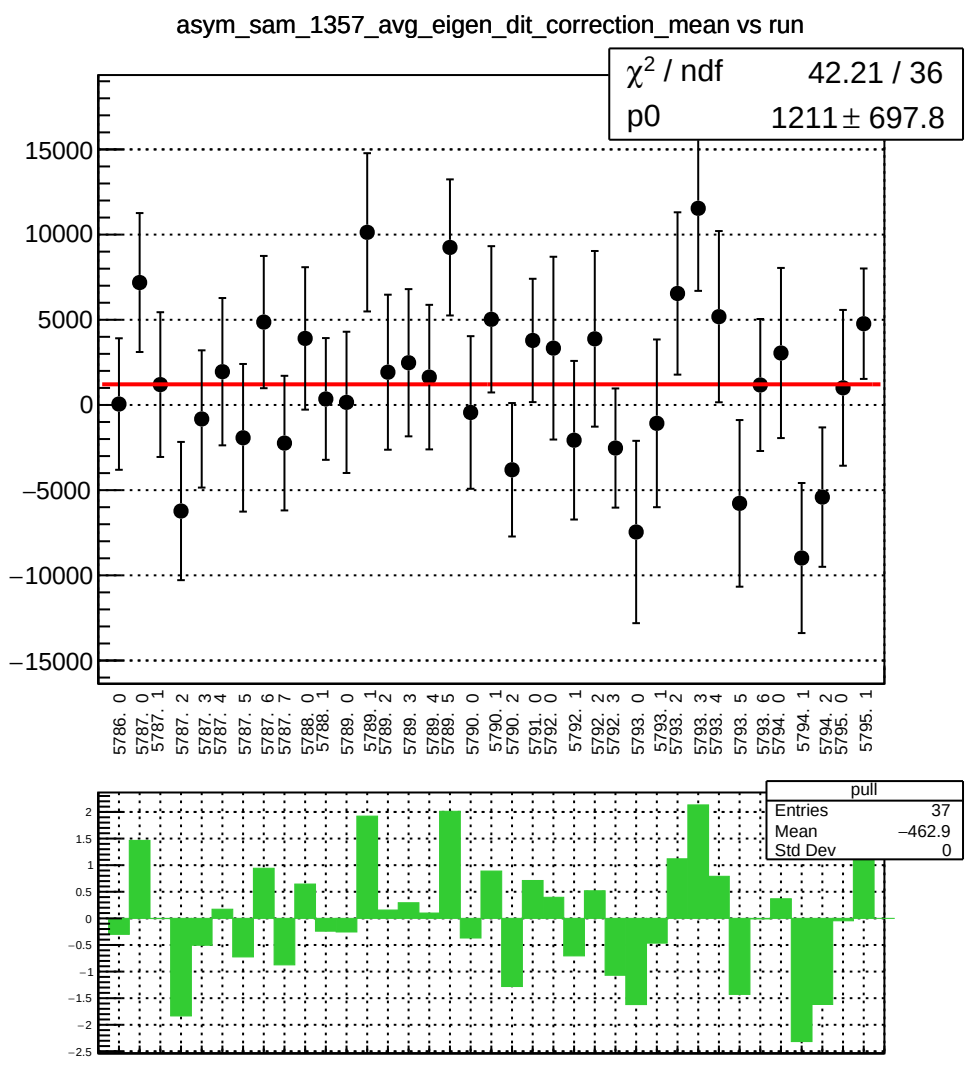

asym_sam_1357_avg_dit_correction_mean vs run
χ² / ndf 42.21 / 36
p0 1211 ± 697.8
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −462.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.001886
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

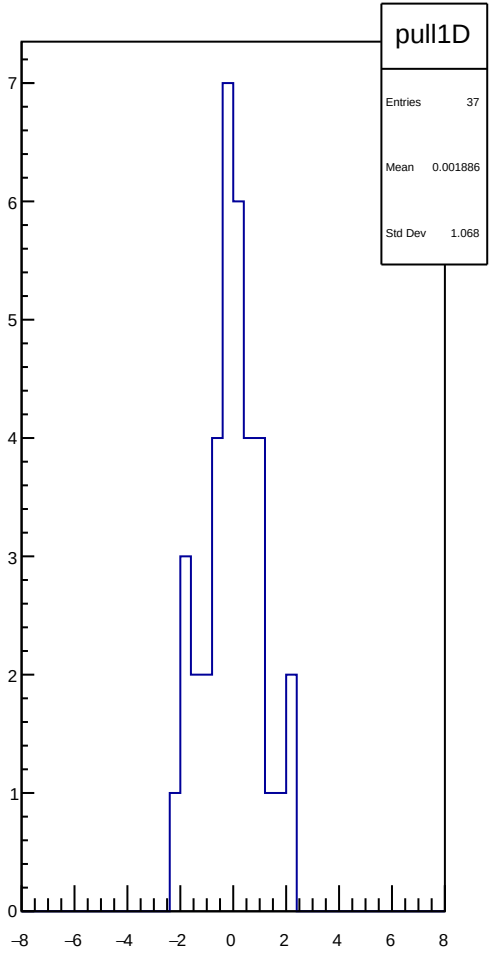

asym_sam_1357_avg_dit_correction_rms vs run
χ² / ndf 4990 / 36
p0 426.7 ± 0.4934
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

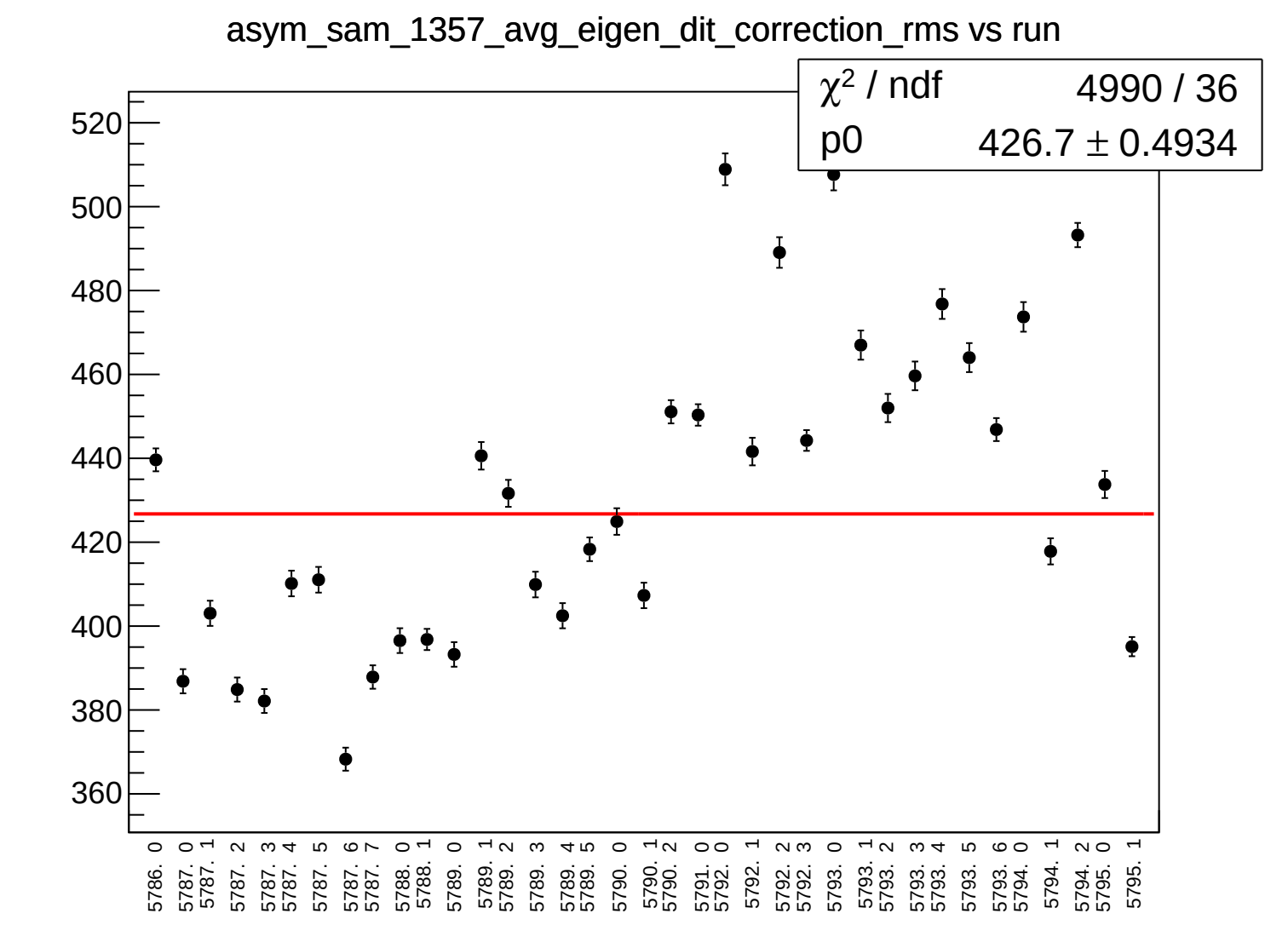

eigen_dit_asym_sam_1357_avg_mean vs run
χ² / ndf 27.66 / 36
p0 −17.75 ± 81.4
1500
1000
500
0
−500
−1000
−1500
−2000
−2500
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.66
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

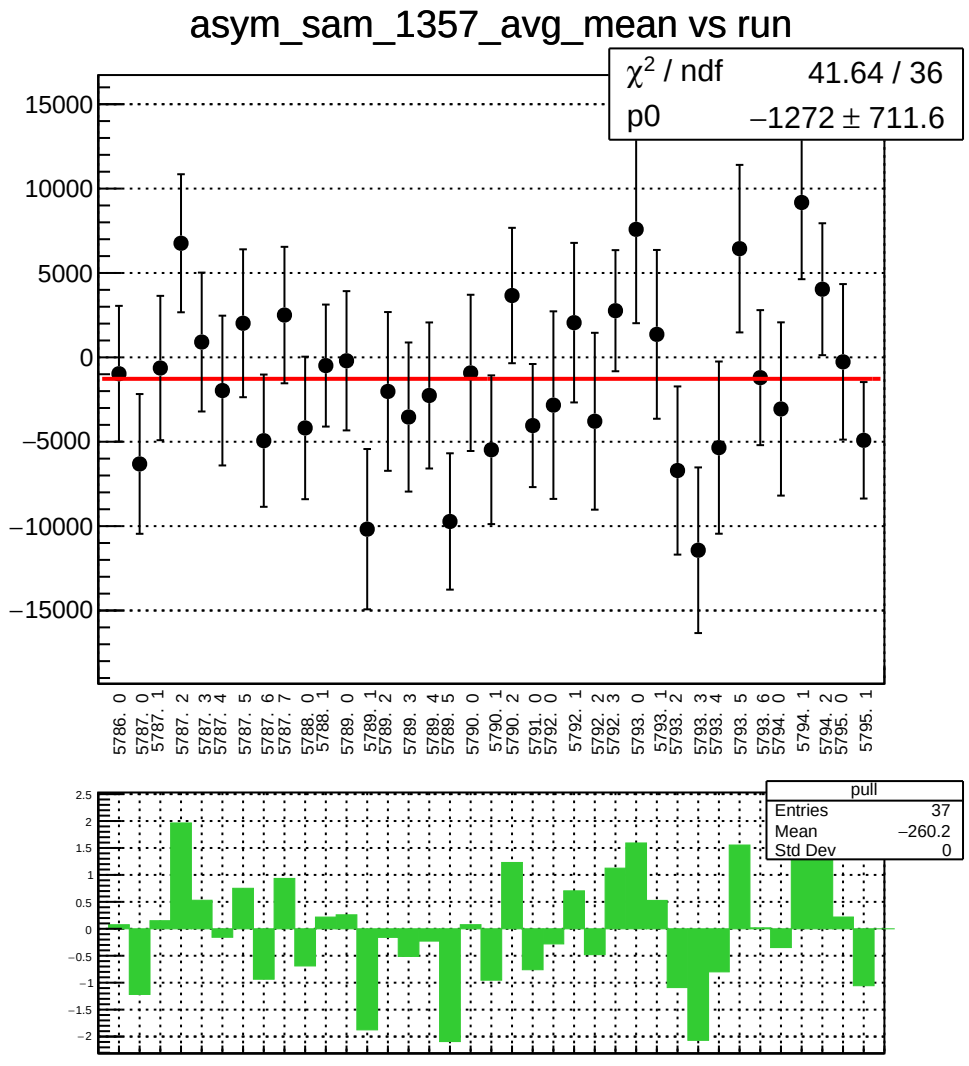

pull1D
Entries 37
Mean −0.04065
Std Dev 0.8636
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

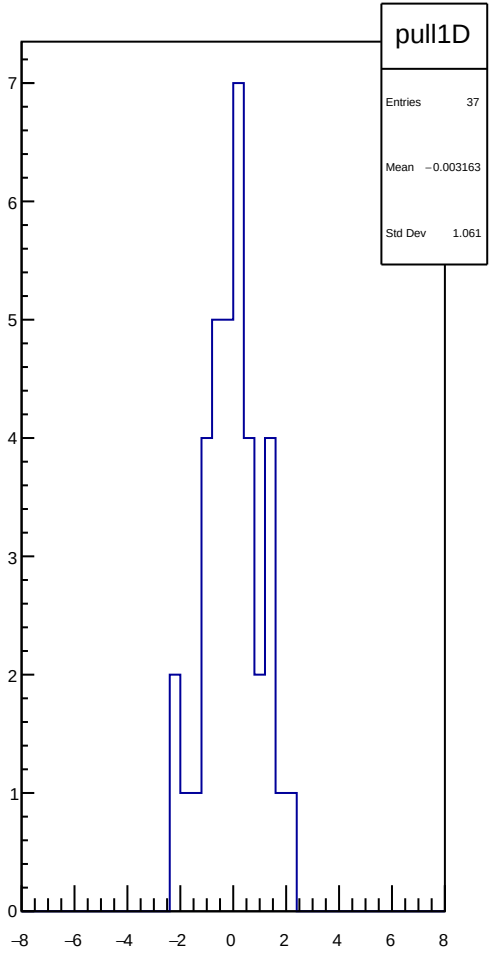

eigen_dit_asym_sam_1357_avg_rms vs run
χ² / ndf 2.292e+04 / 36
p0 49.18 ± 0.05756
110
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

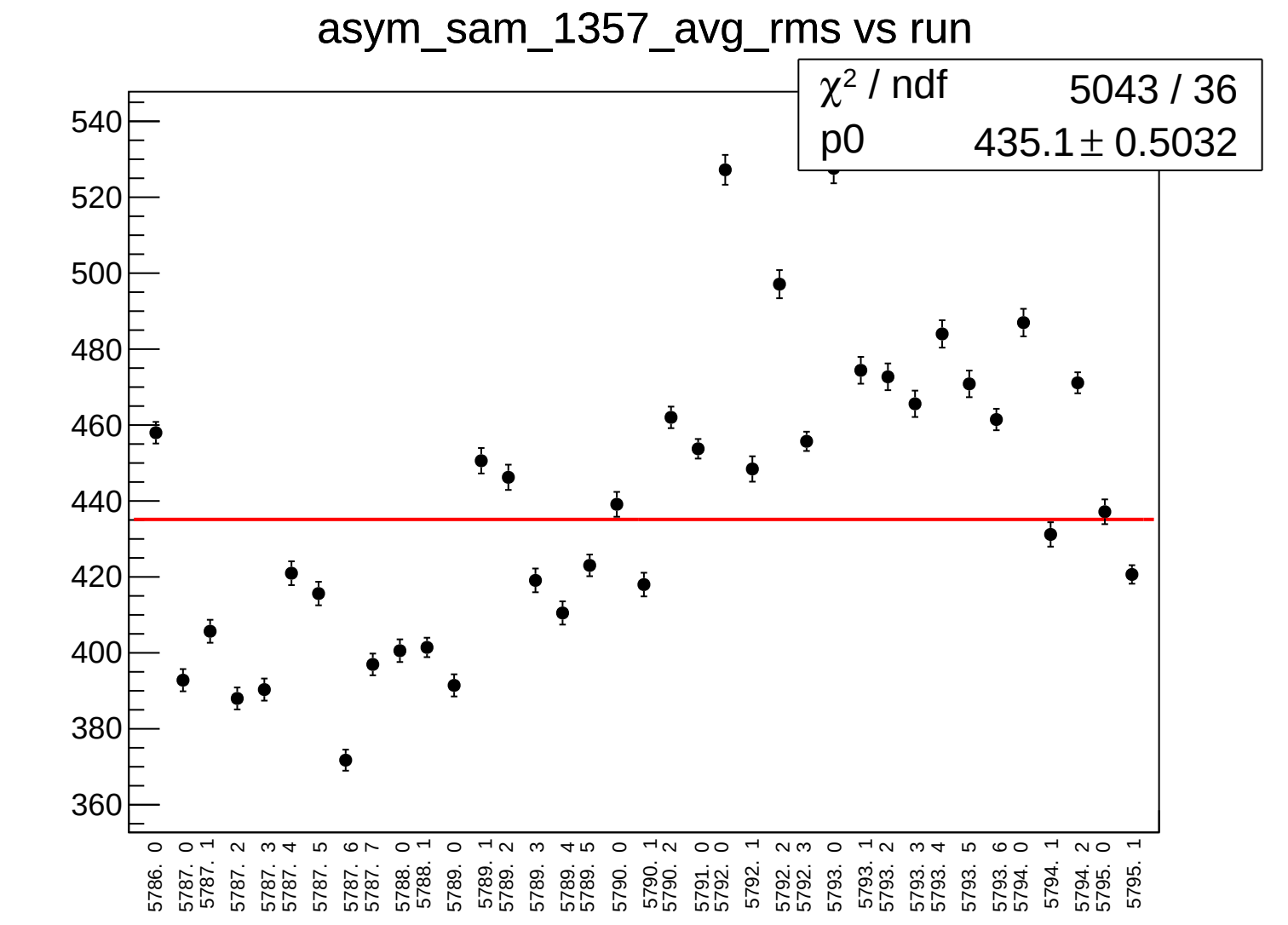

asym_sam_1357_avg_eigen_dit_correction_mean vs run
χ² / ndf 42.21 / 36
p0 1211 ± 697.8
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −462.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

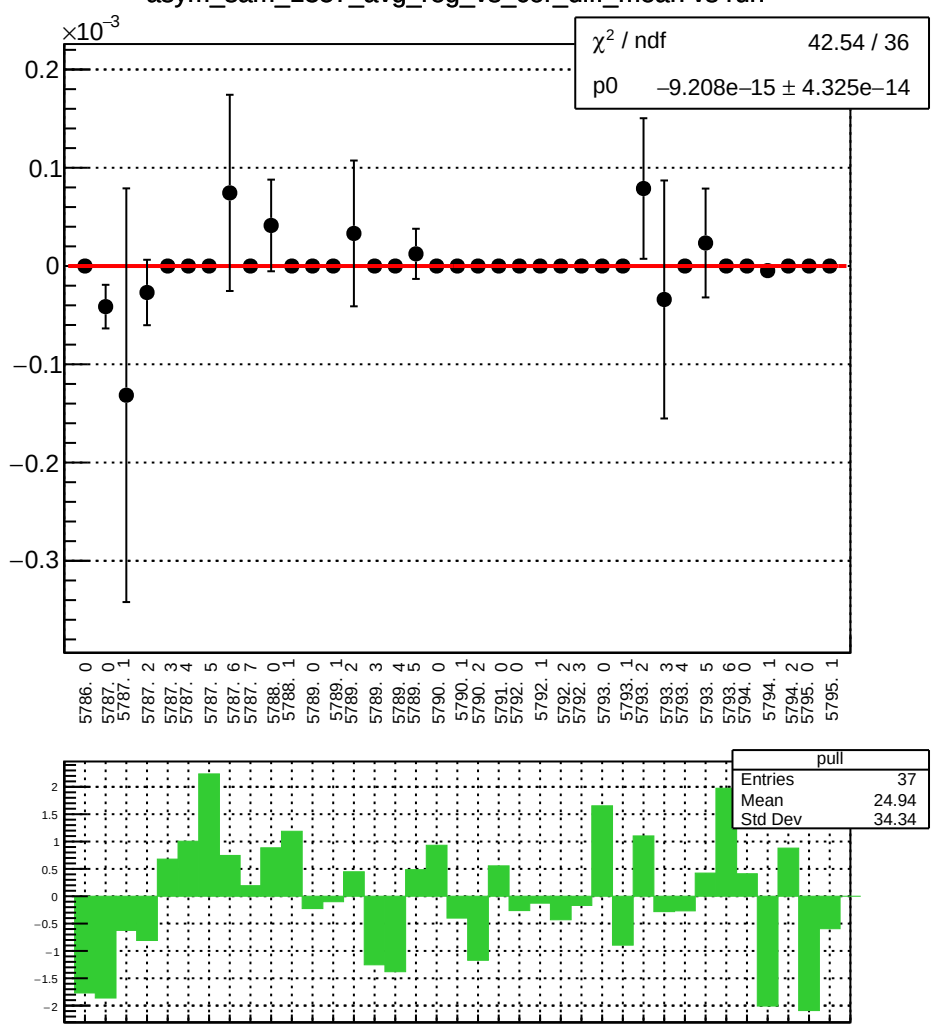

pull1D
Entries 37
Mean 0.001886
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

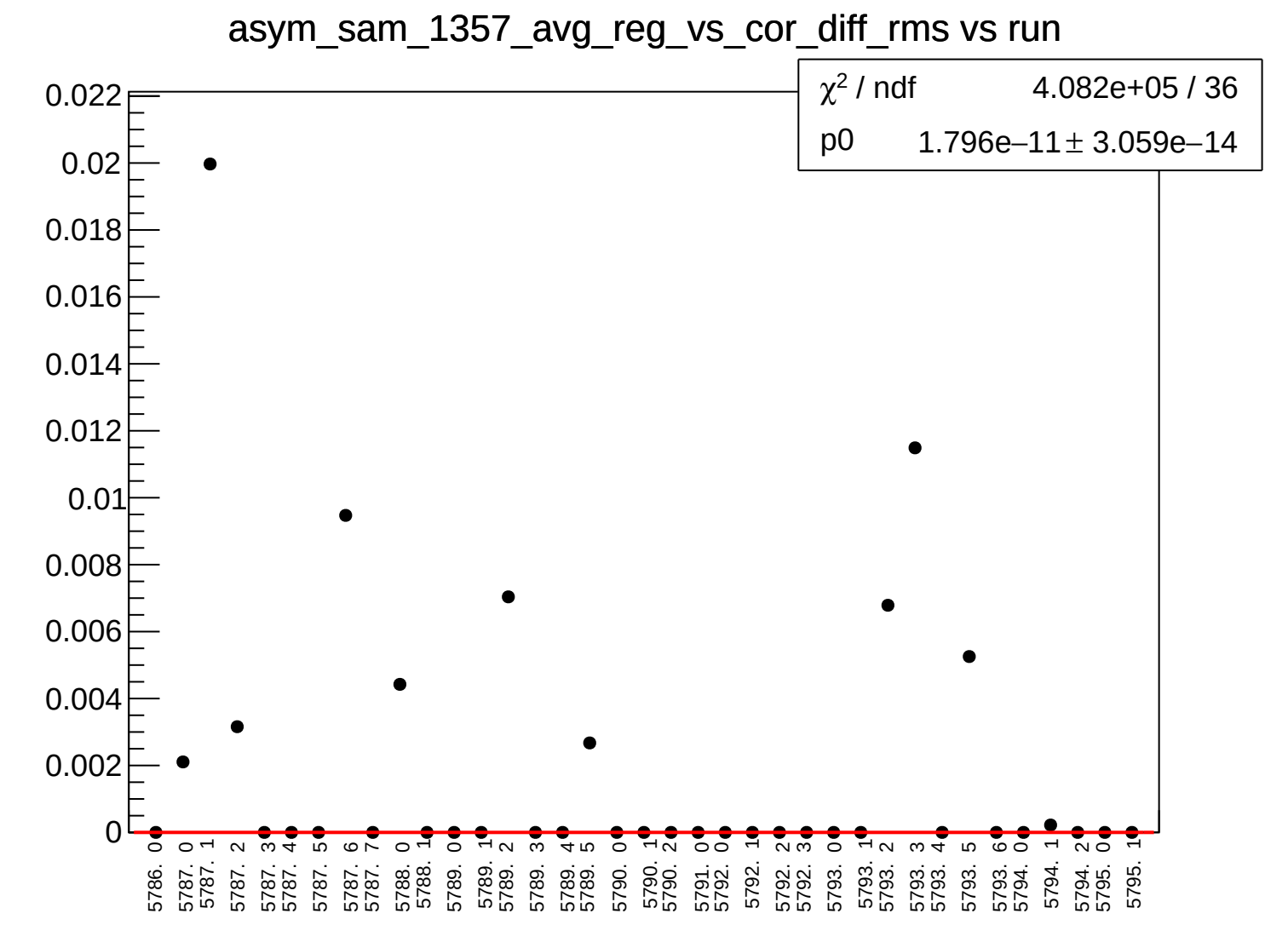

asym_sam_1357_avg_eigen_dit_correction_rms vs run
χ² / ndf 4990 / 36
p0 426.7 ± 0.4934
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

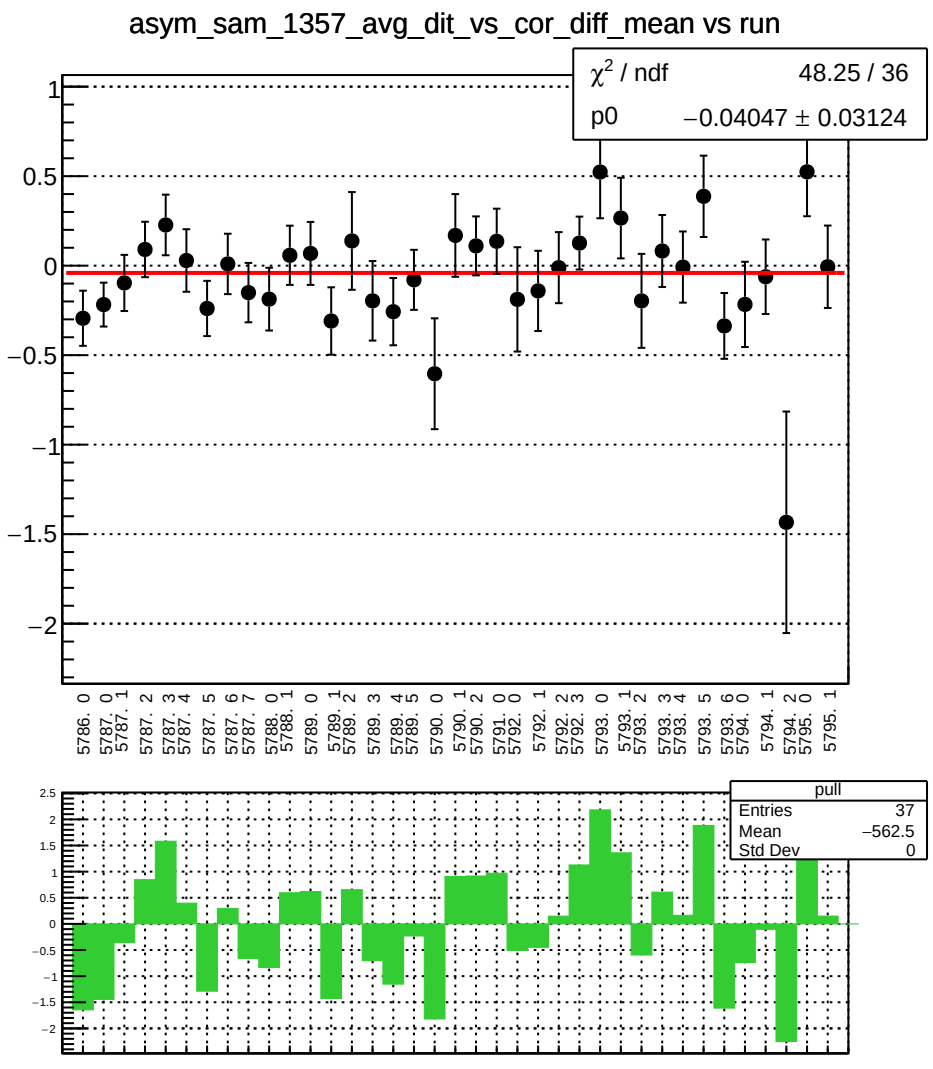

asym_sam_1357_avg_mean vs run
χ² / ndf 41.64 / 36
p0 −1272 ± 711.6
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −260.2
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

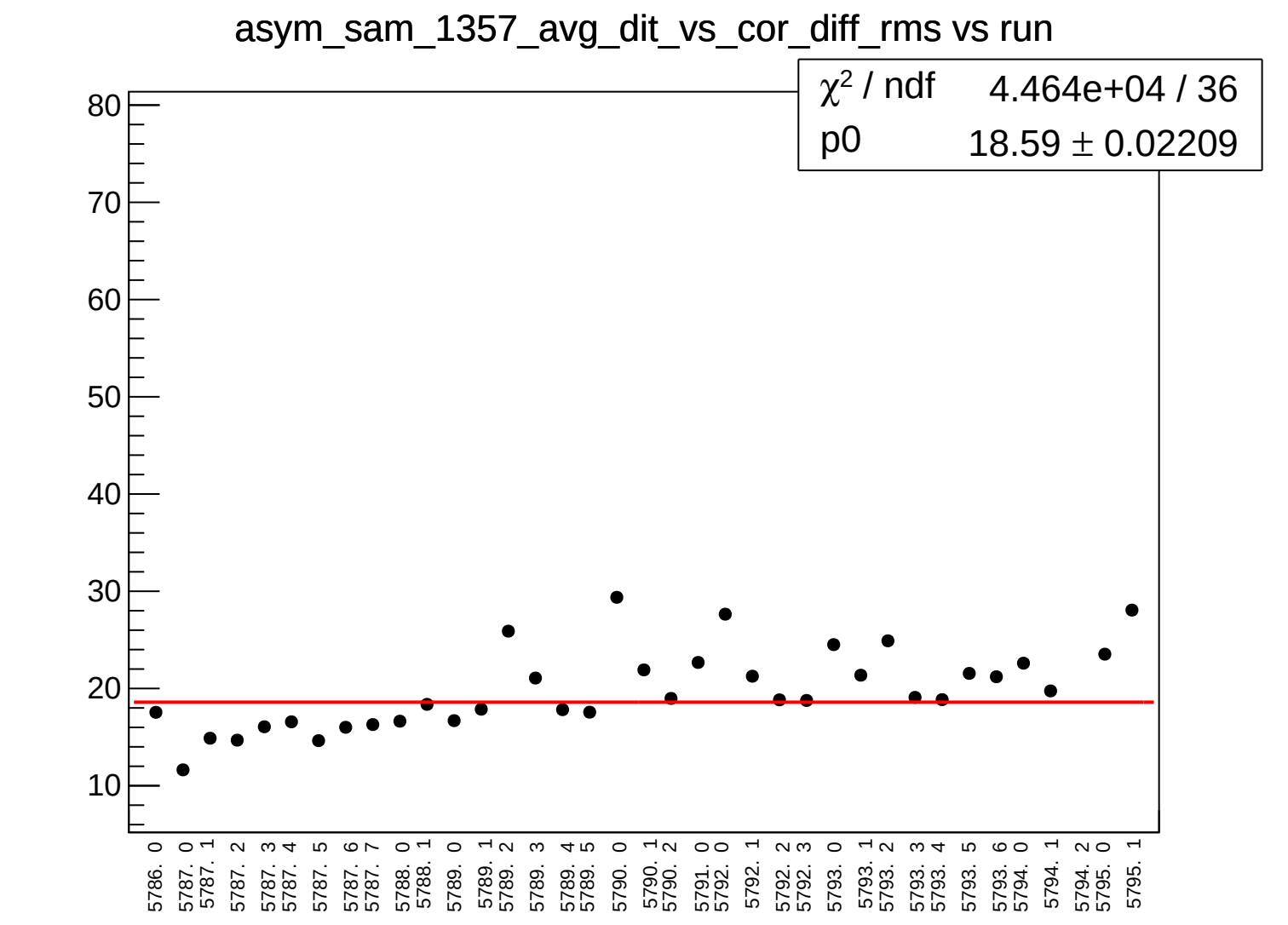

pull1D
Entries 37
Mean −0.003163
Std Dev 1.061
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

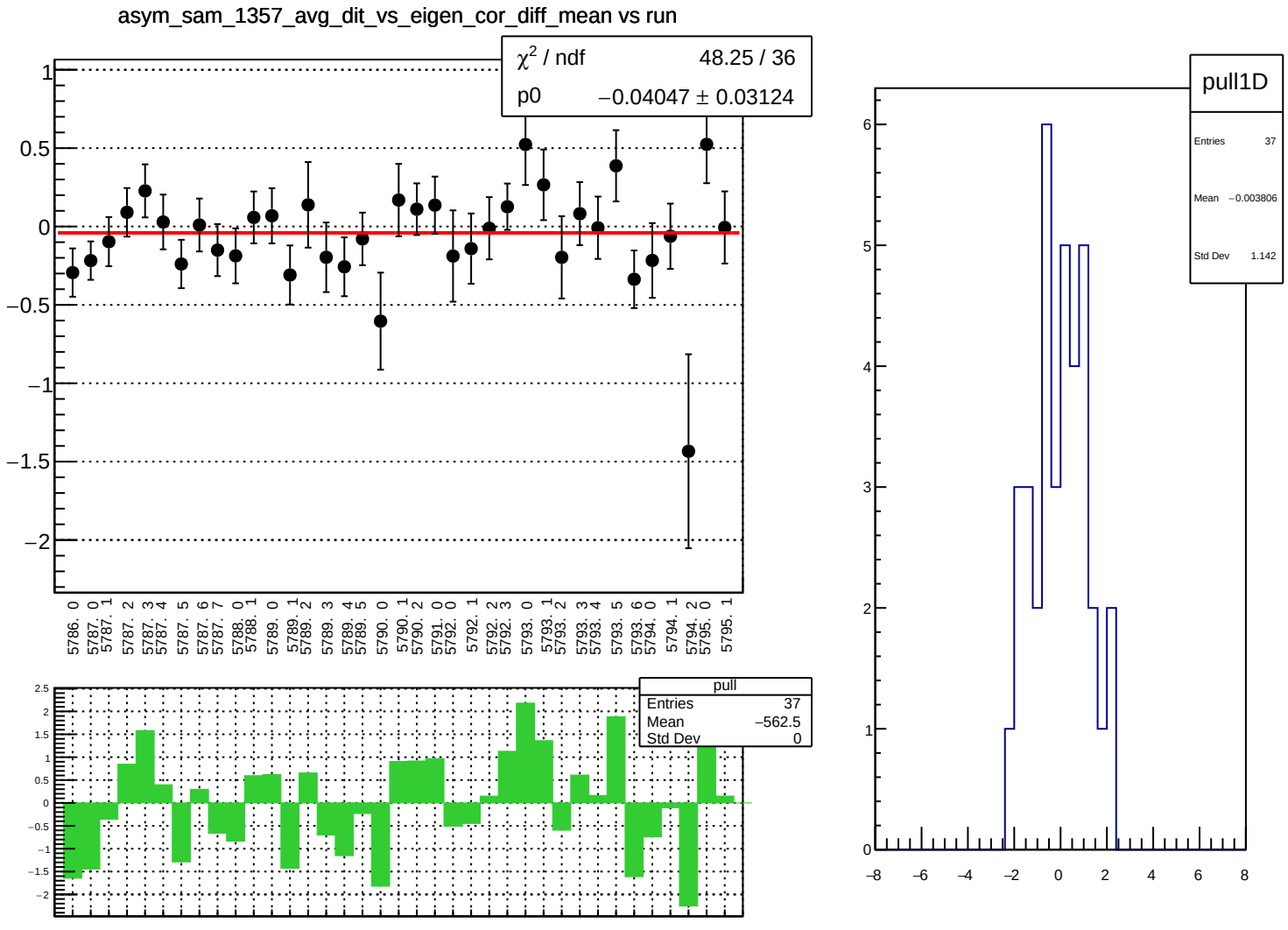

asym_sam_1357_avg_rms vs run
χ² / ndf 5043 / 36
p0 435.1 ± 0.5032
540
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

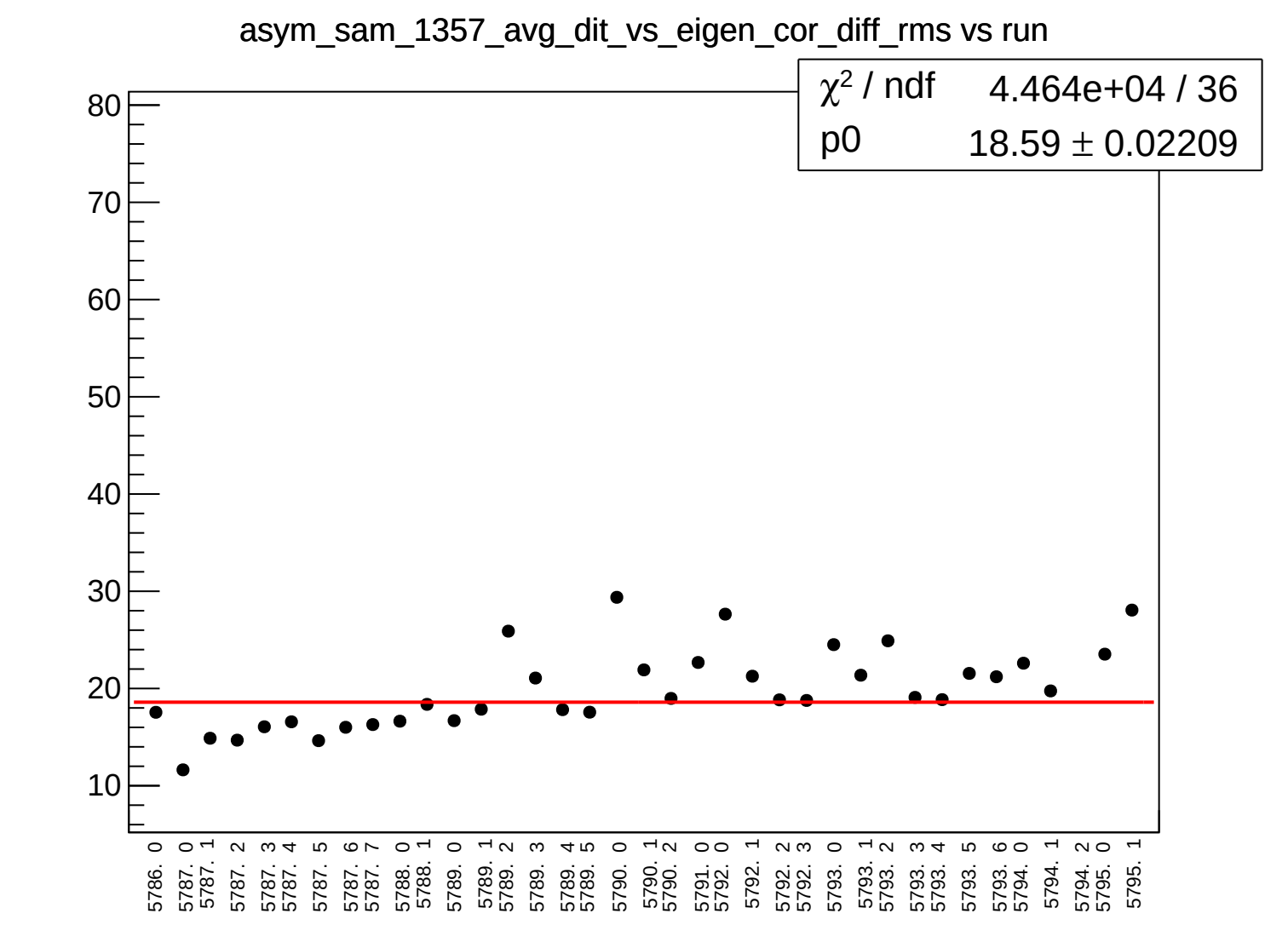

asym_sam_1357_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 42.54 / 36
p0 −9.208e−15 ± 4.325e−14
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.94
Std Dev 34.34
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.02478
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

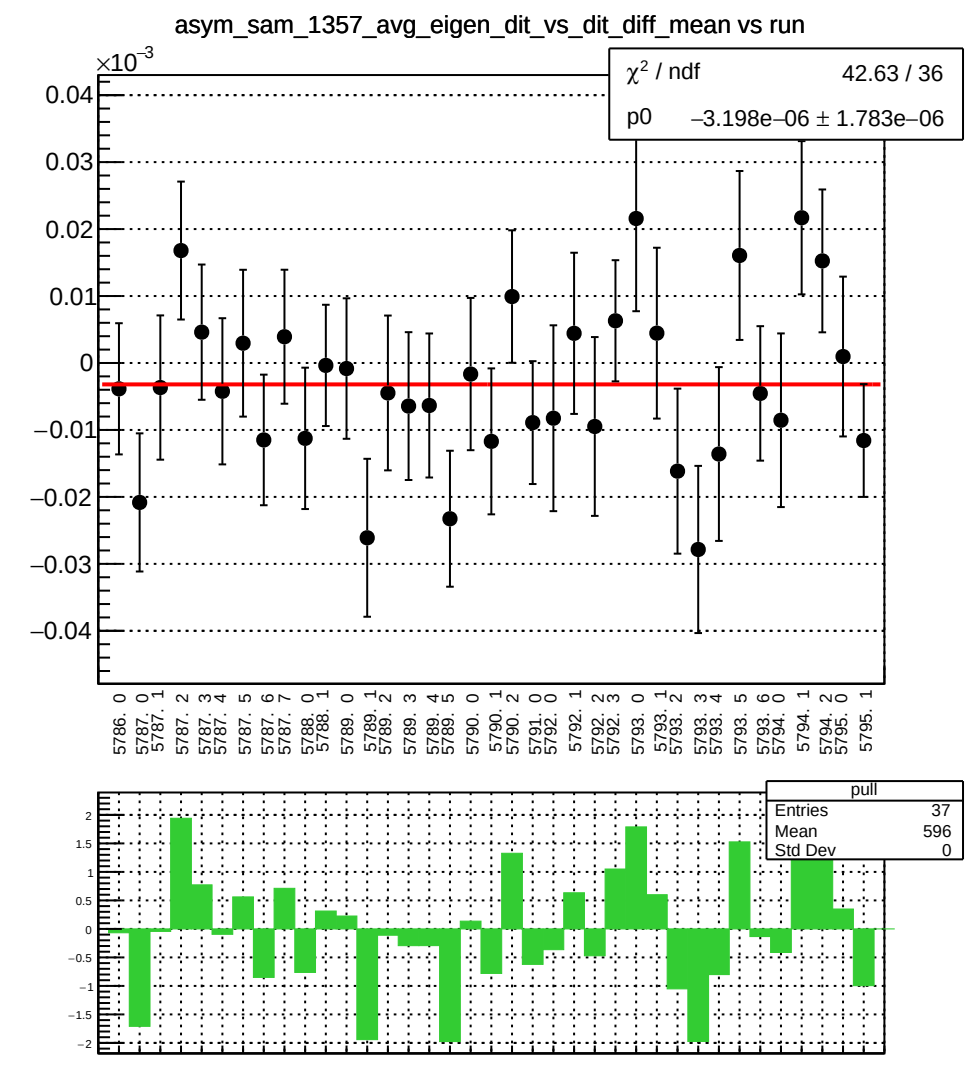

asym_sam_1357_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 4.082e+05 / 36
p0 1.796e−11 ± 3.059e−14
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

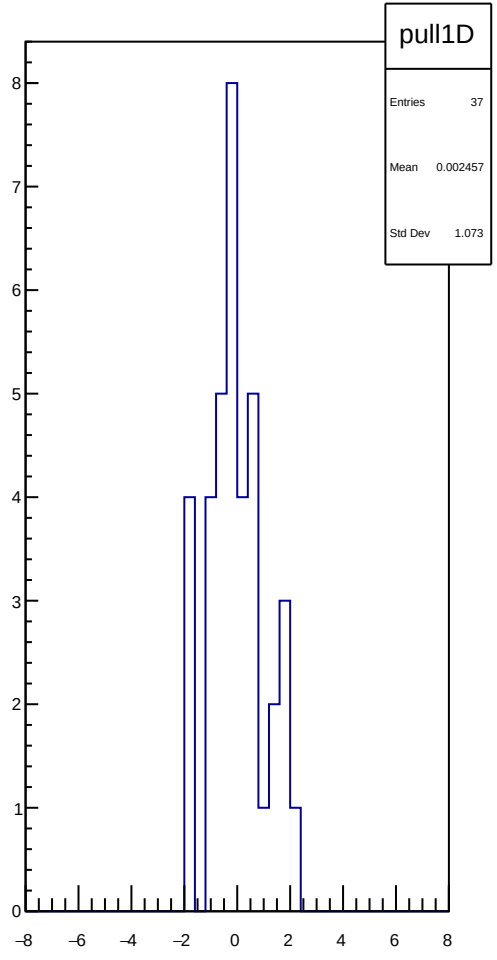

asym_sam_1357_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.25 / 36
p0 −0.04047 ± 0.03124
pull
Entries 37
Mean −562.5
Std Dev 0
pull1D
Entries 37
Mean −0.003806
Std Dev 1.142

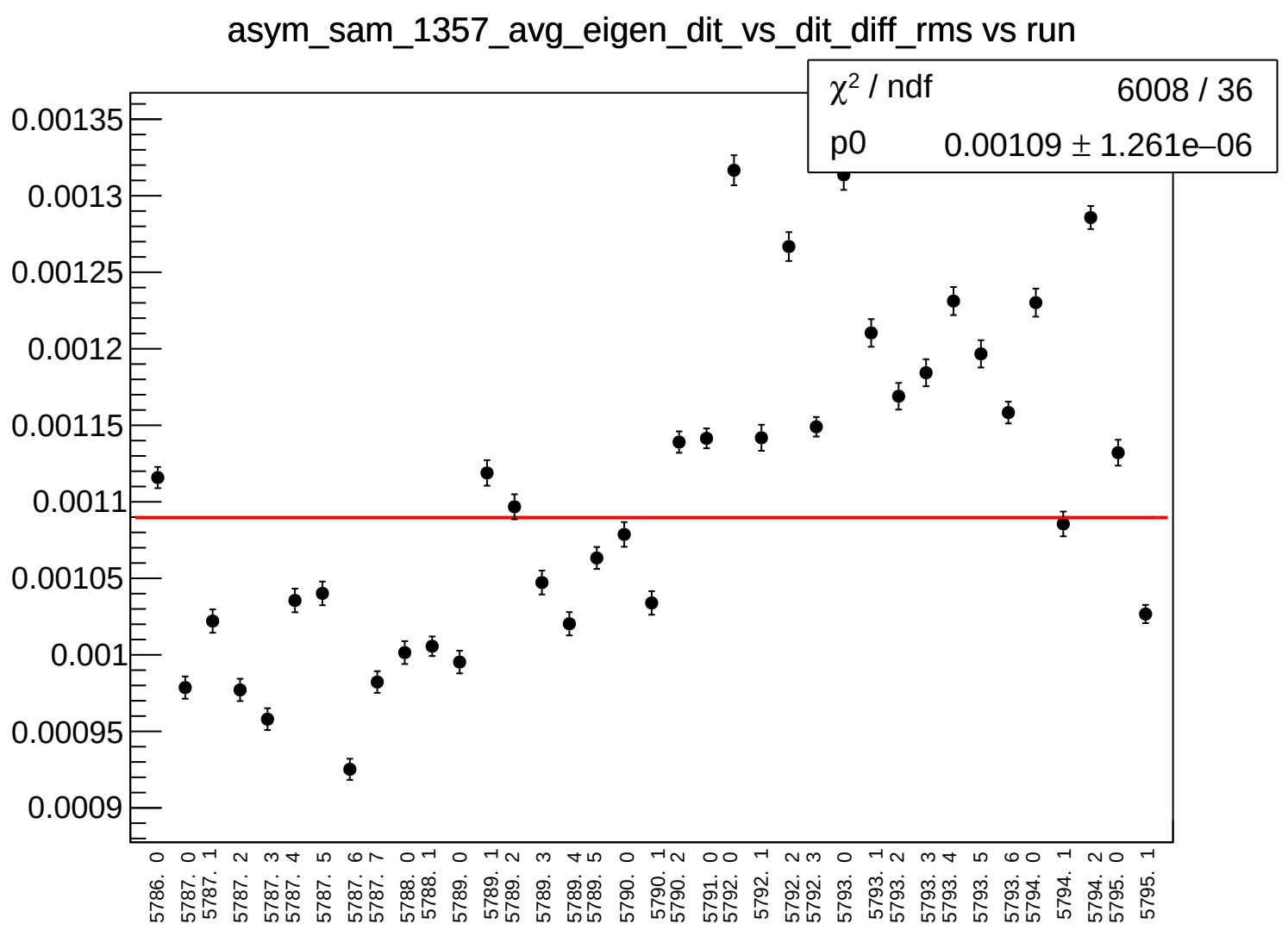

asym_sam_1357_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 4.464e+04 / 36
p0 18.59 ± 0.02209
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

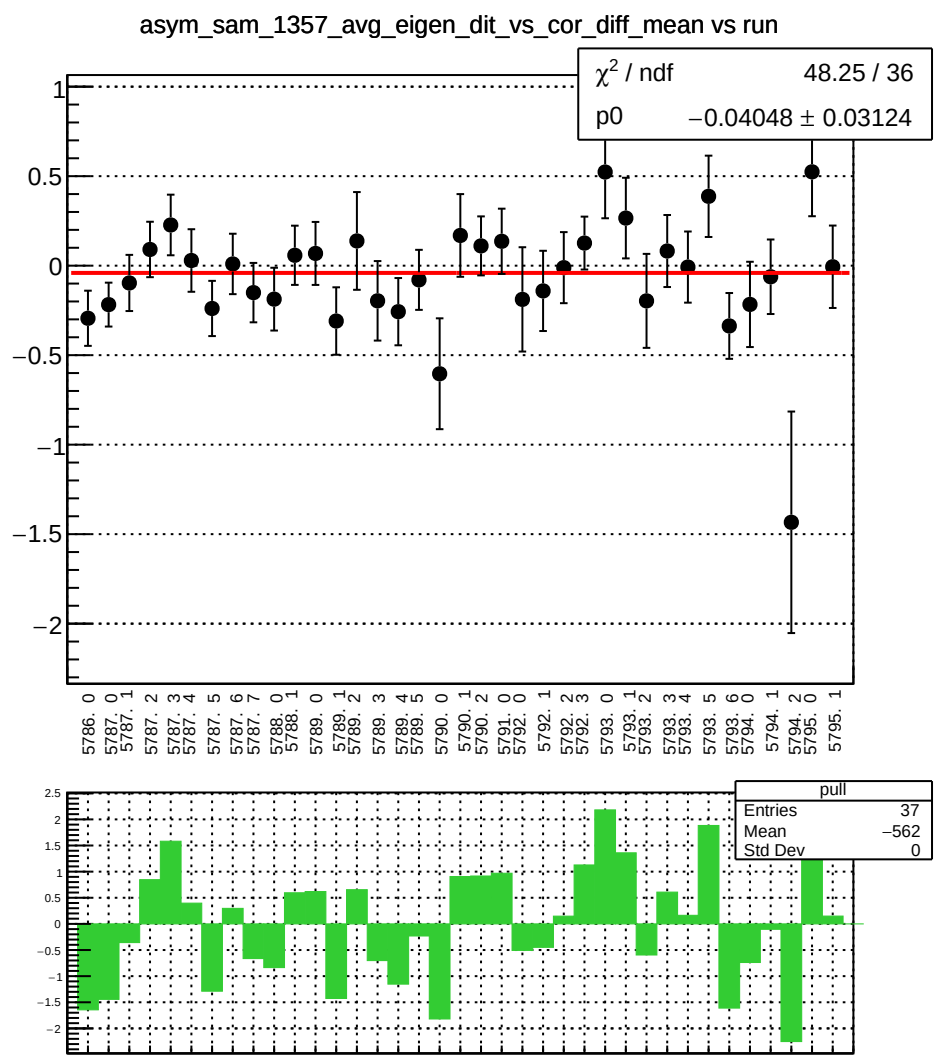

asym_sam_1357_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.25 / 36
p0 −0.04047 ± 0.03124
1
0.5
0
−0.5
−1
−1.5
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −562.5
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.003806
Std Dev 1.142
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

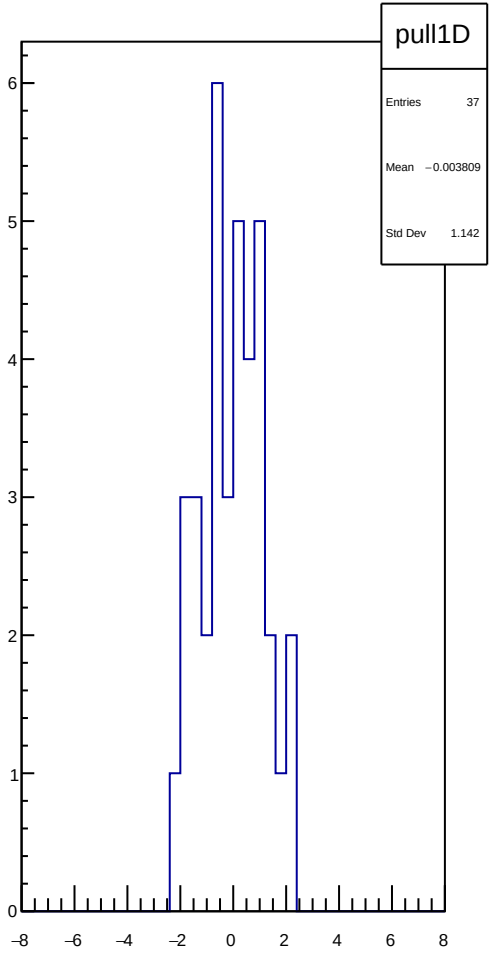

asym_sam_1357_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.464e+04 / 36
p0 18.59 ± 0.02209
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

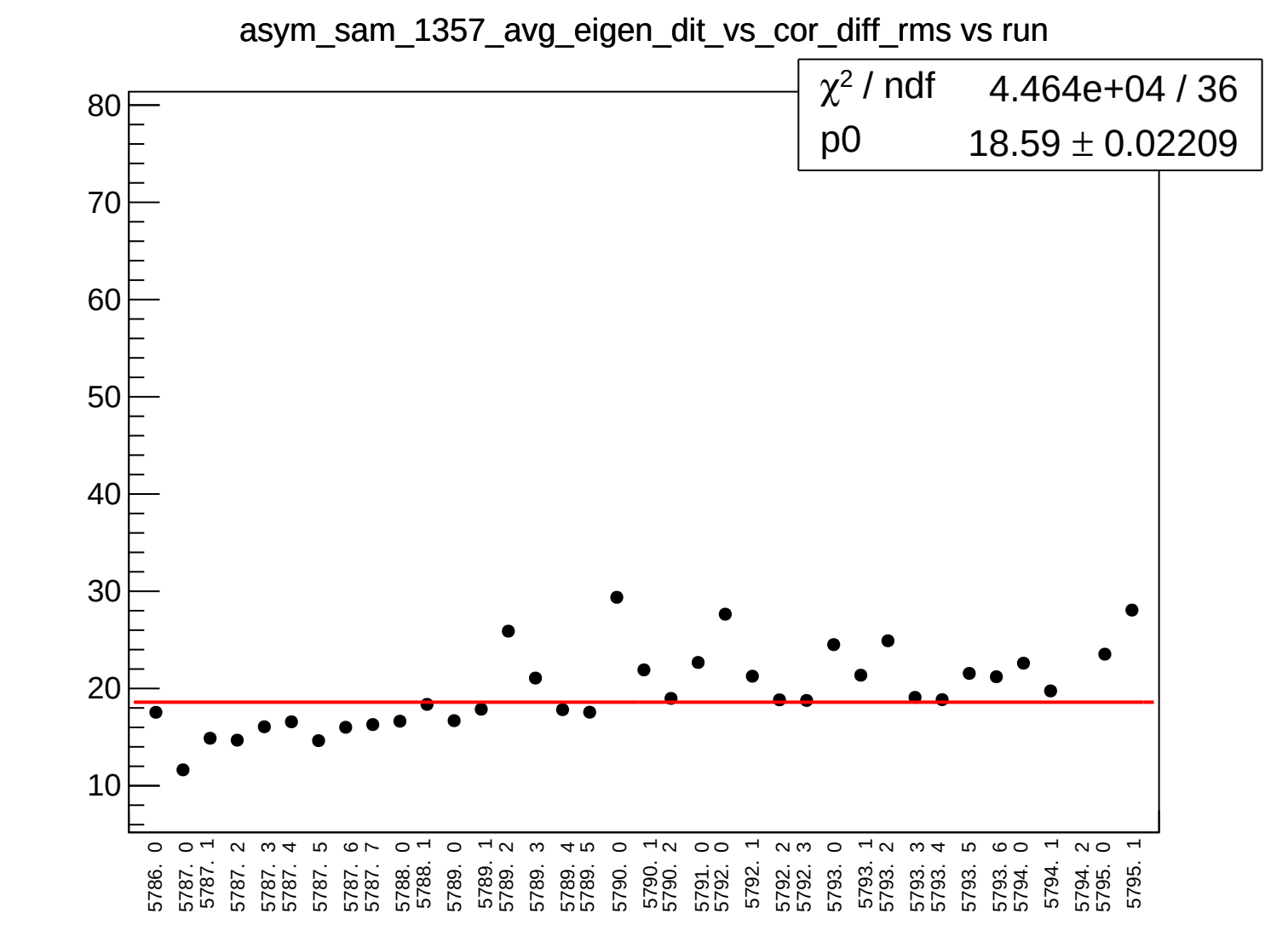

asym_sam_1357_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 42.63 / 36
p0 −3.198e−06 ± 1.783e−06
0.04
0.03
0.02
0.01
0
−0.01
−0.02
−0.03
−0.04
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 596
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

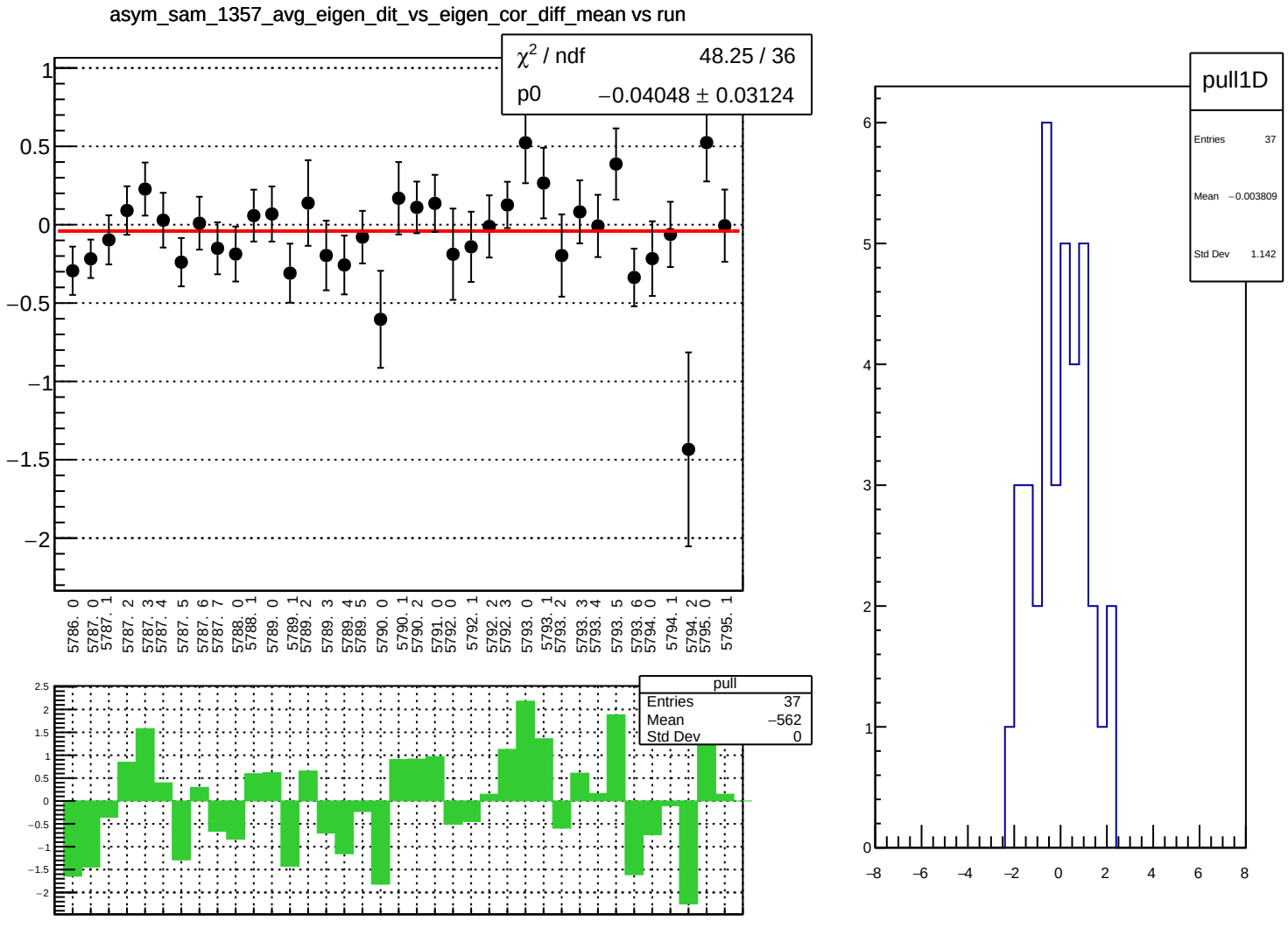

pull1D
Entries 37
Mean 0.002457
Std Dev 1.073
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

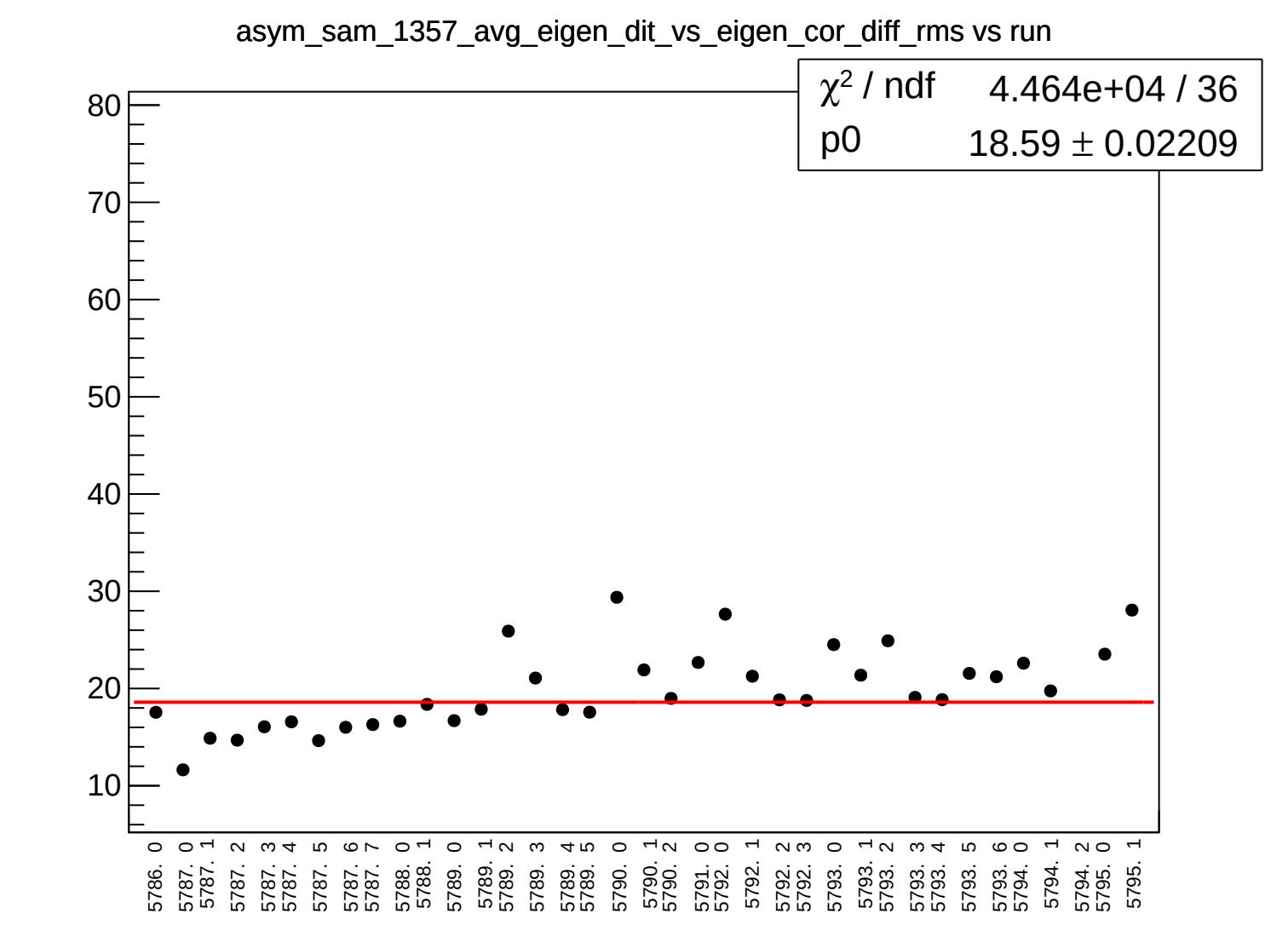

asym_sam_1357_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 6008 / 36
p0 0.00109 ± 1.261e–06
0.00135
0.0013
0.00125
0.0012
0.00115
0.0011
0.00105
0.001
0.00095
0.0009
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

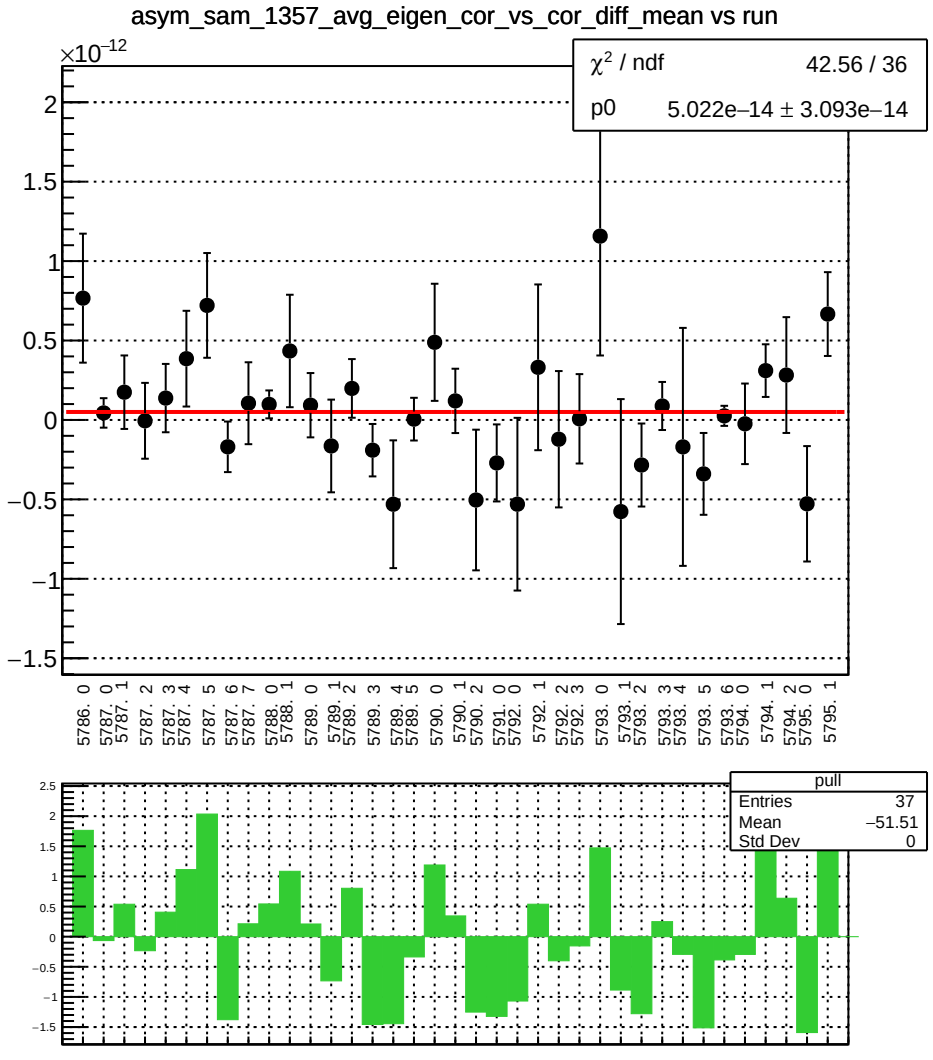

asym_sam_1357_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.25 / 36
p0 −0.04048 ± 0.03124
pull
Entries 37
Mean −562
Std Dev 0

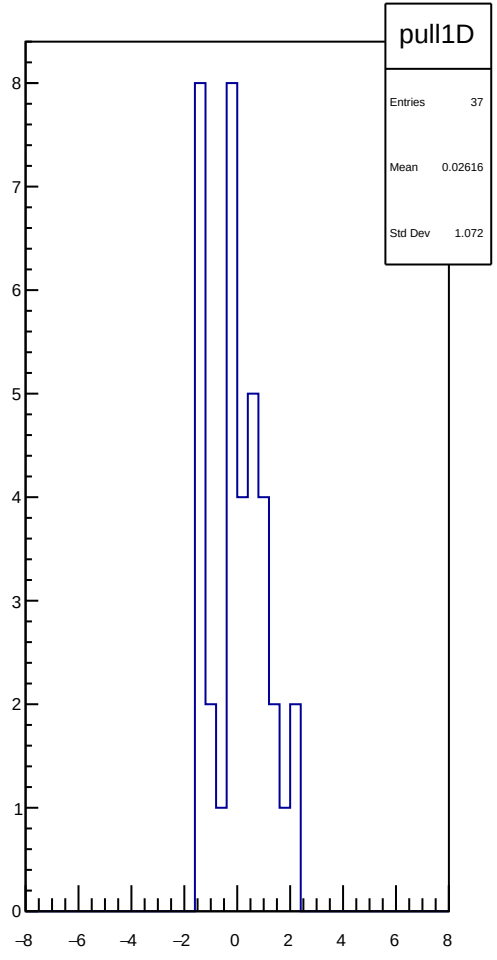

pull1D
Entries 37
Mean −0.003809
Std Dev 1.142

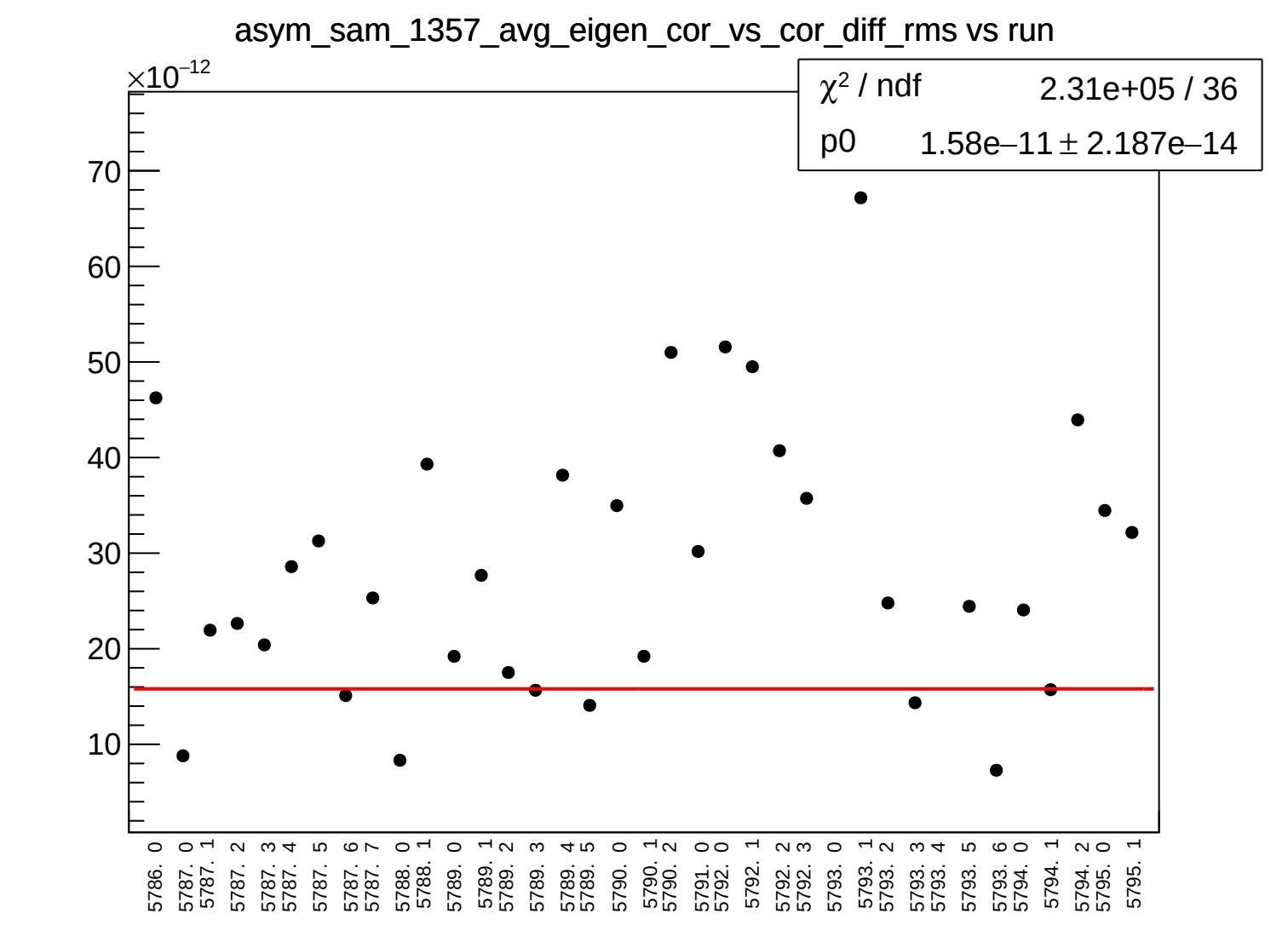

asym_sam_1357_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 4.464e+04 / 36
p0 18.59 ± 0.02209
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

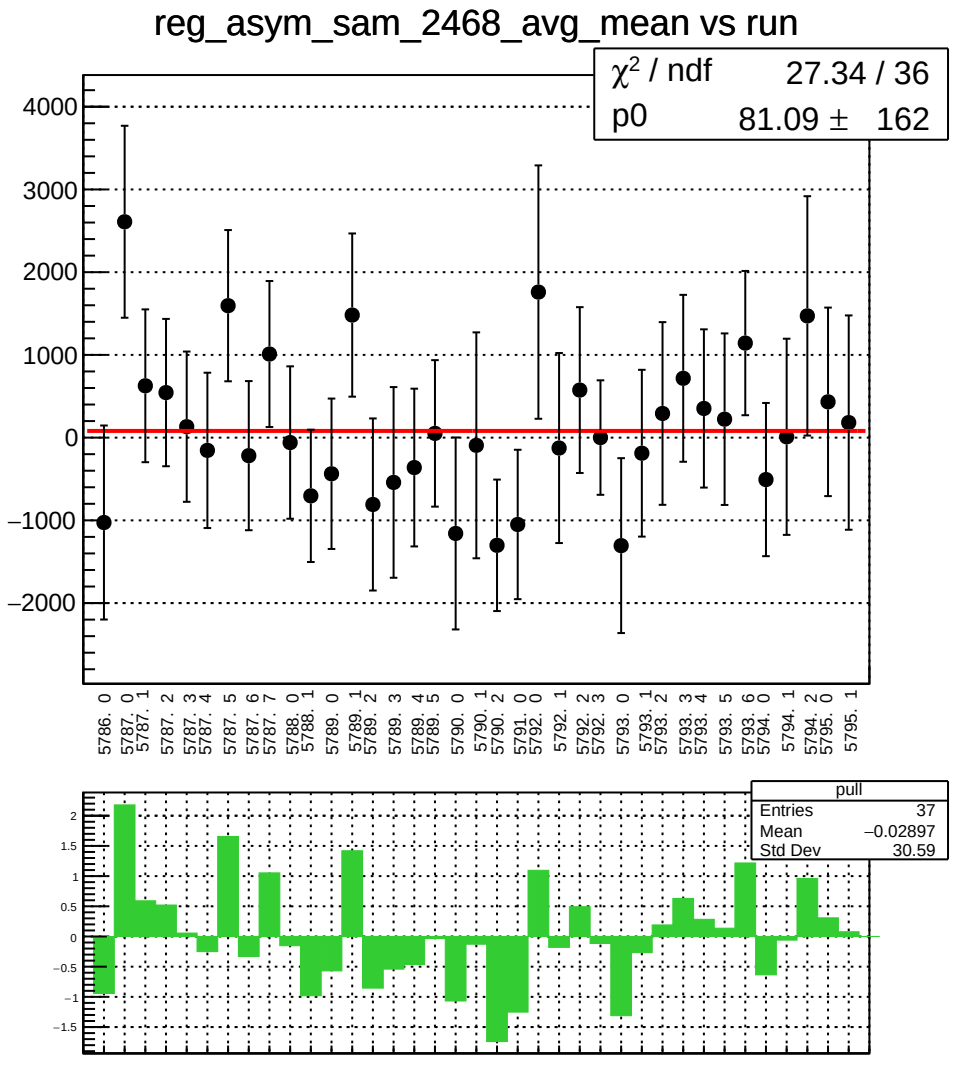

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.25 / 36
p0 −0.04048 ± 0.03124
pull
Entries 37
Mean −562
Std Dev 0
pull1D
Entries 37
Mean −0.003809
Std Dev 1.142

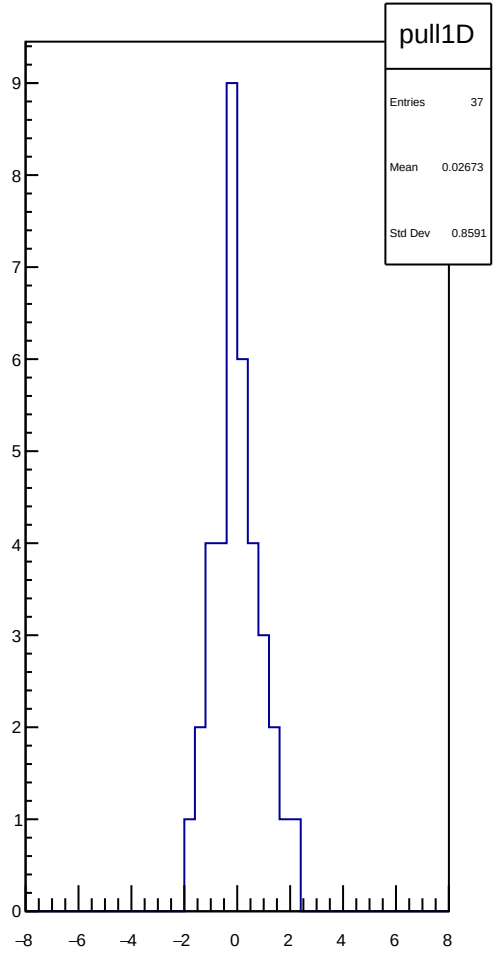

asym_sam_1357_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 4.464e+04 / 36
p0 18.59 ± 0.02209
80
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

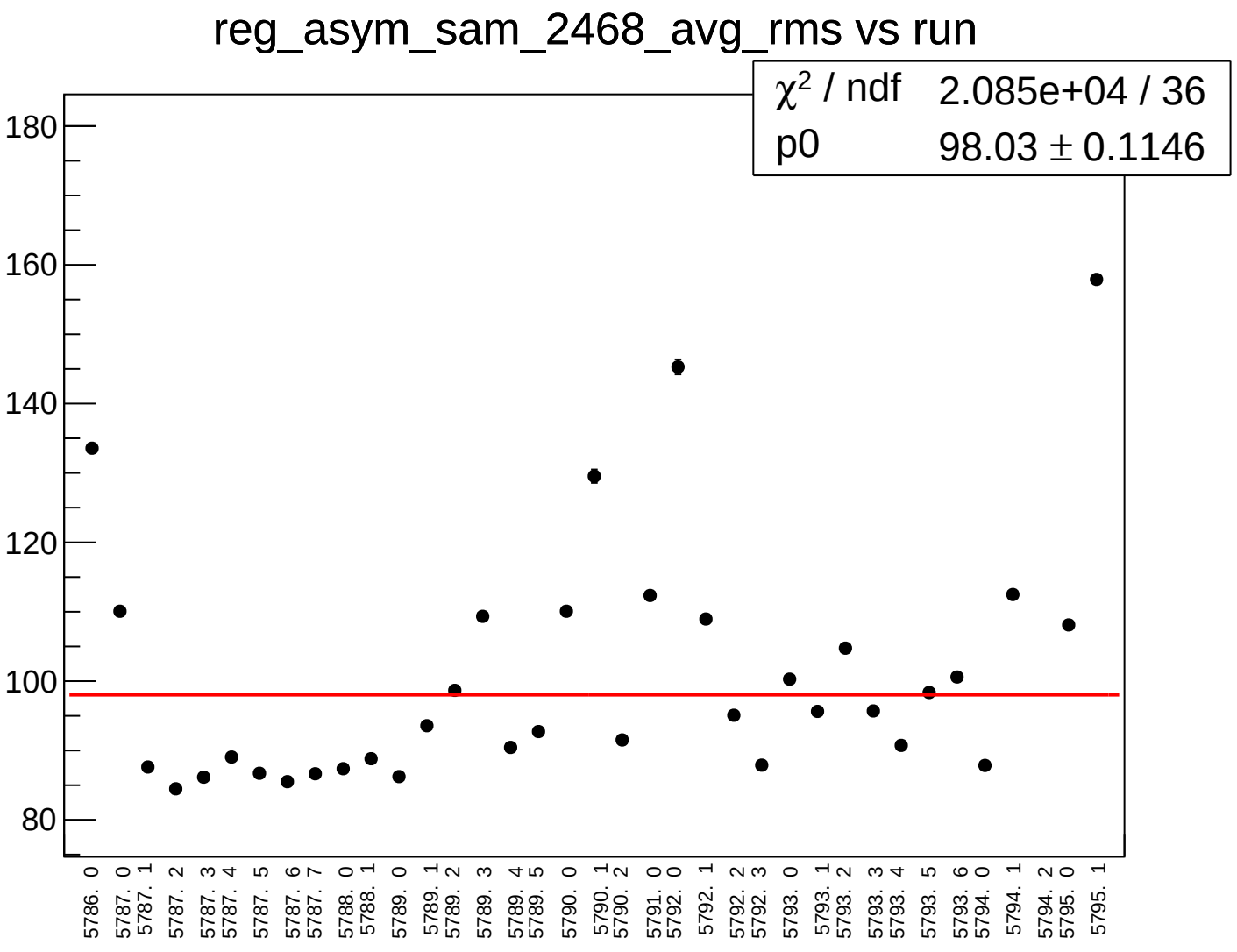

asym_sam_1357_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 42.56 / 36
p0 5.022e−14 ± 3.093e−14
2
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −51.51
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

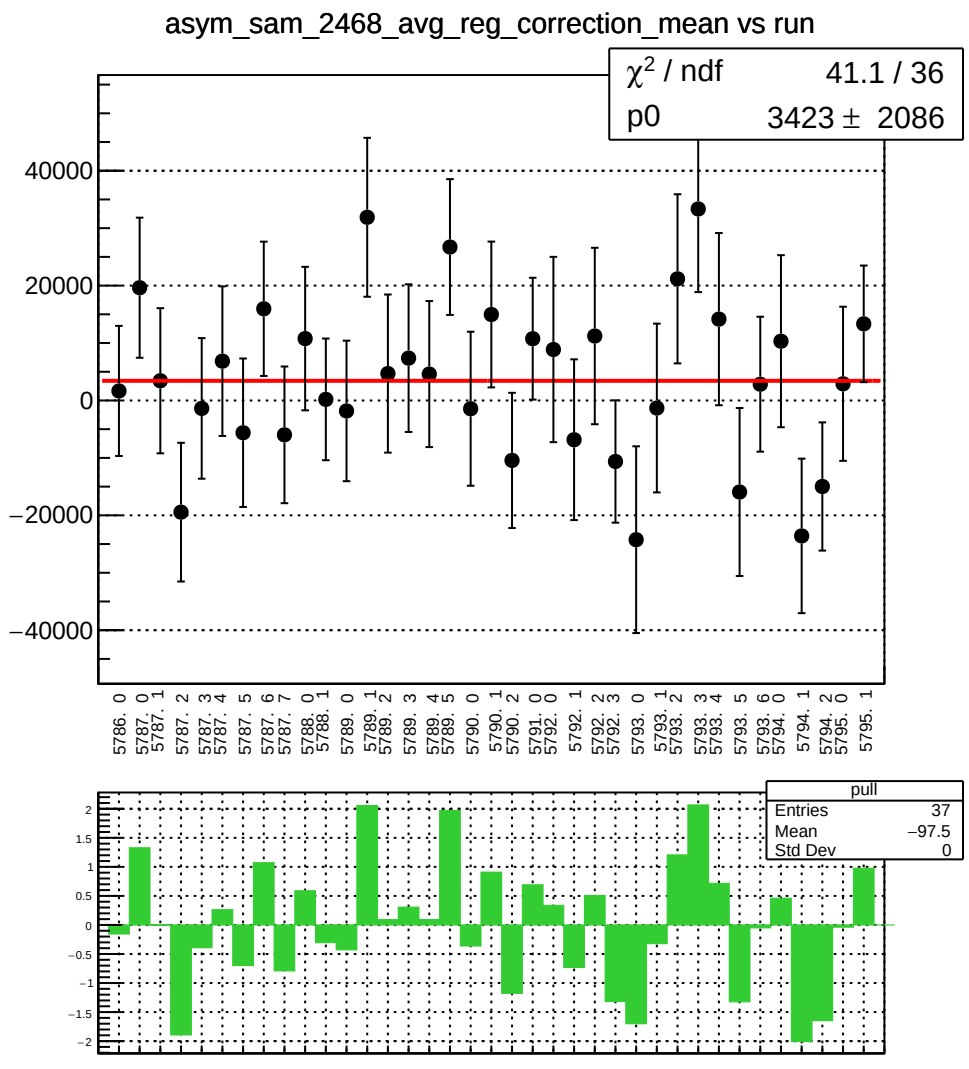

pull1D
Entries 37
Mean 0.02616
Std Dev 1.072
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

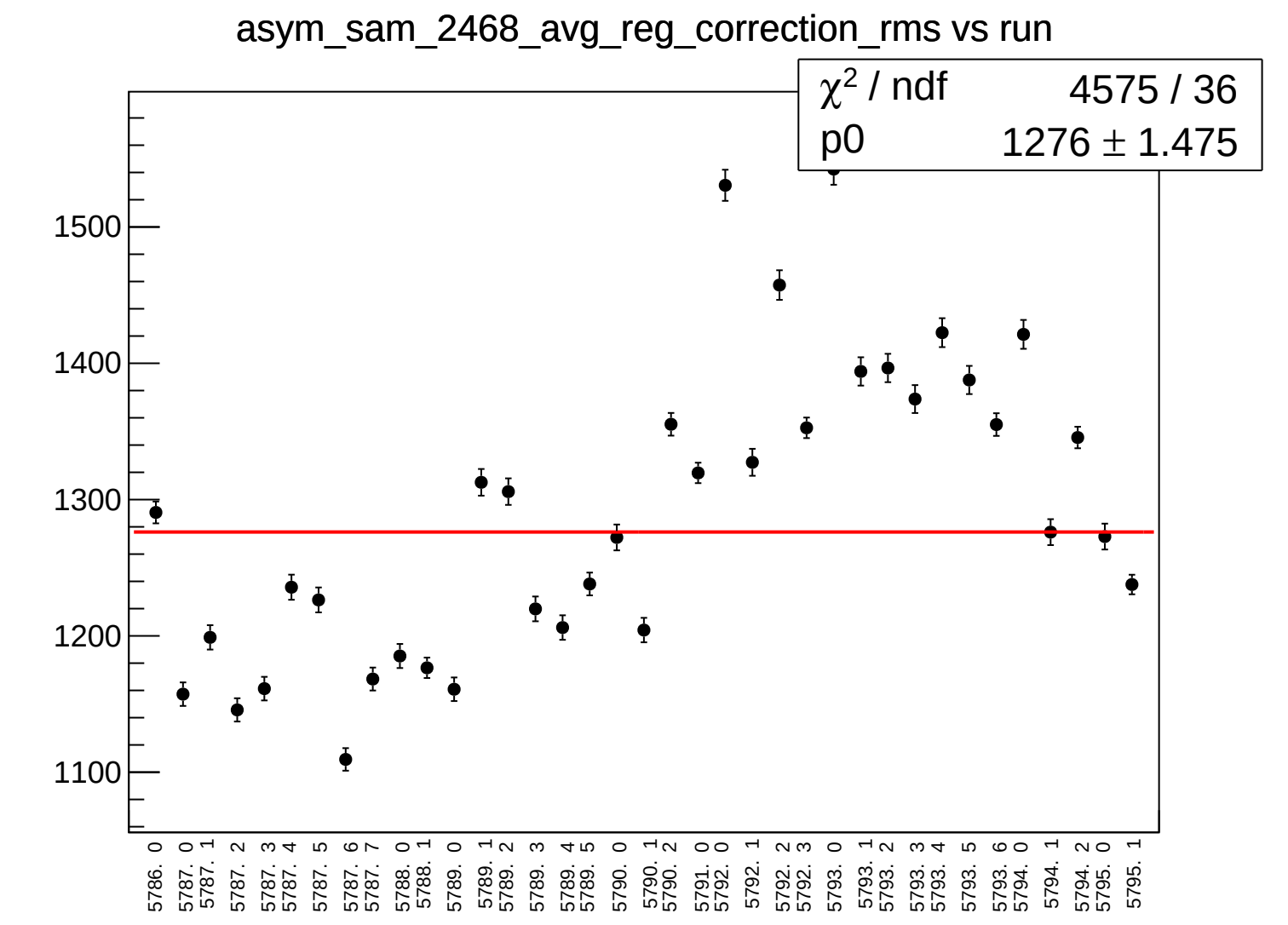

asym_sam_1357_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 2.31e+05 / 36
p0 1.58e−11 ± 2.187e−14
70
60
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

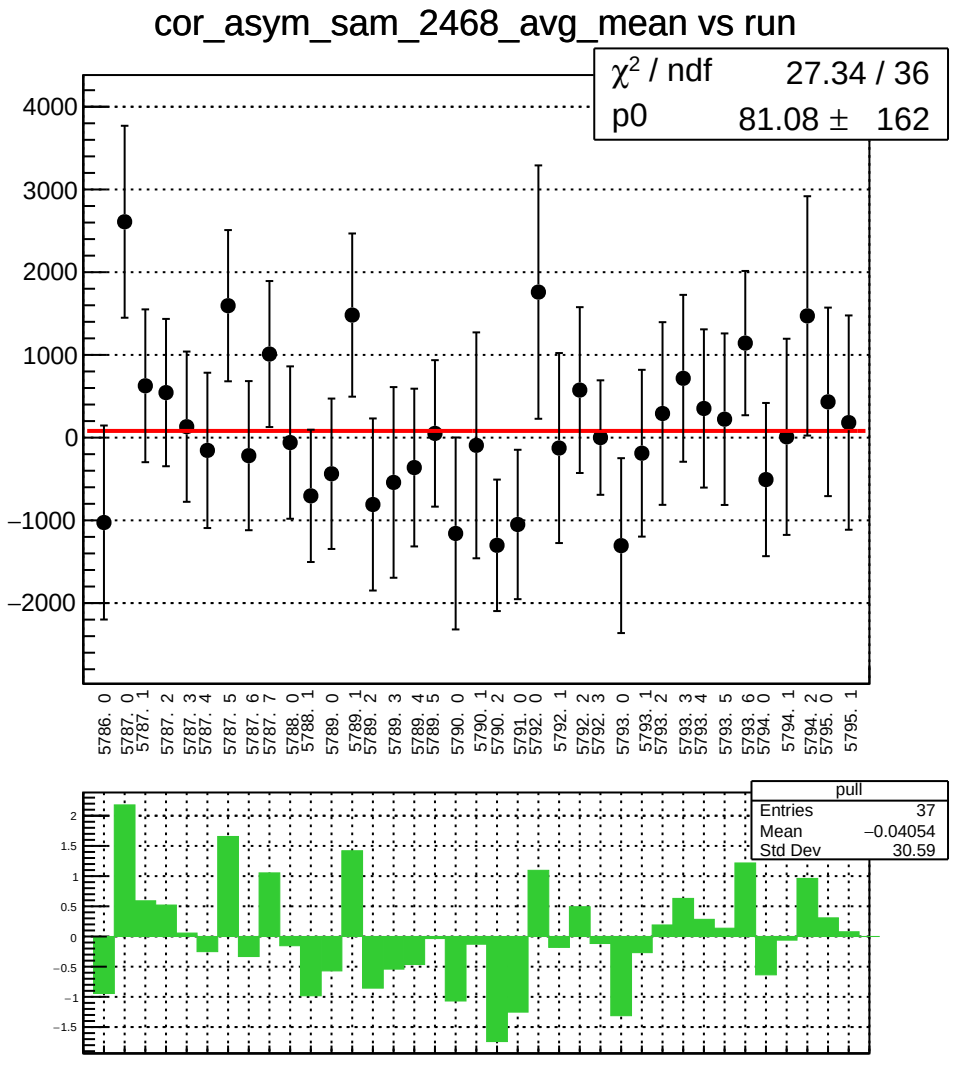

reg_asym_sam_2468_avg_mean vs run
χ² / ndf 27.34 / 36
p0 81.09 ± 162
4000
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.02897
Std Dev 30.59
2
1.5
1
0.5
0
−0.5
−1
−1.5

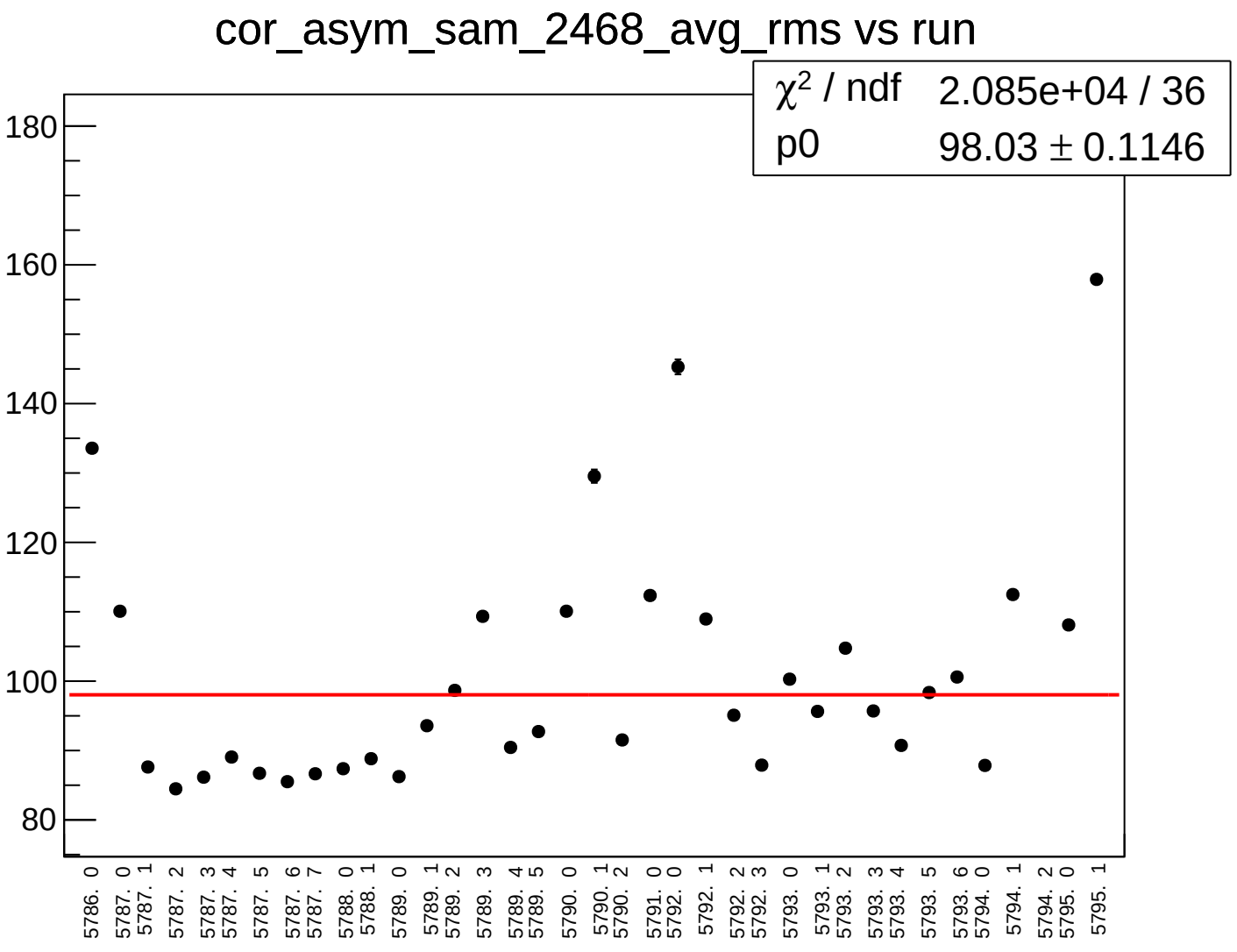

pull1D
Entries 37
Mean 0.02673
Std Dev 0.8591
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

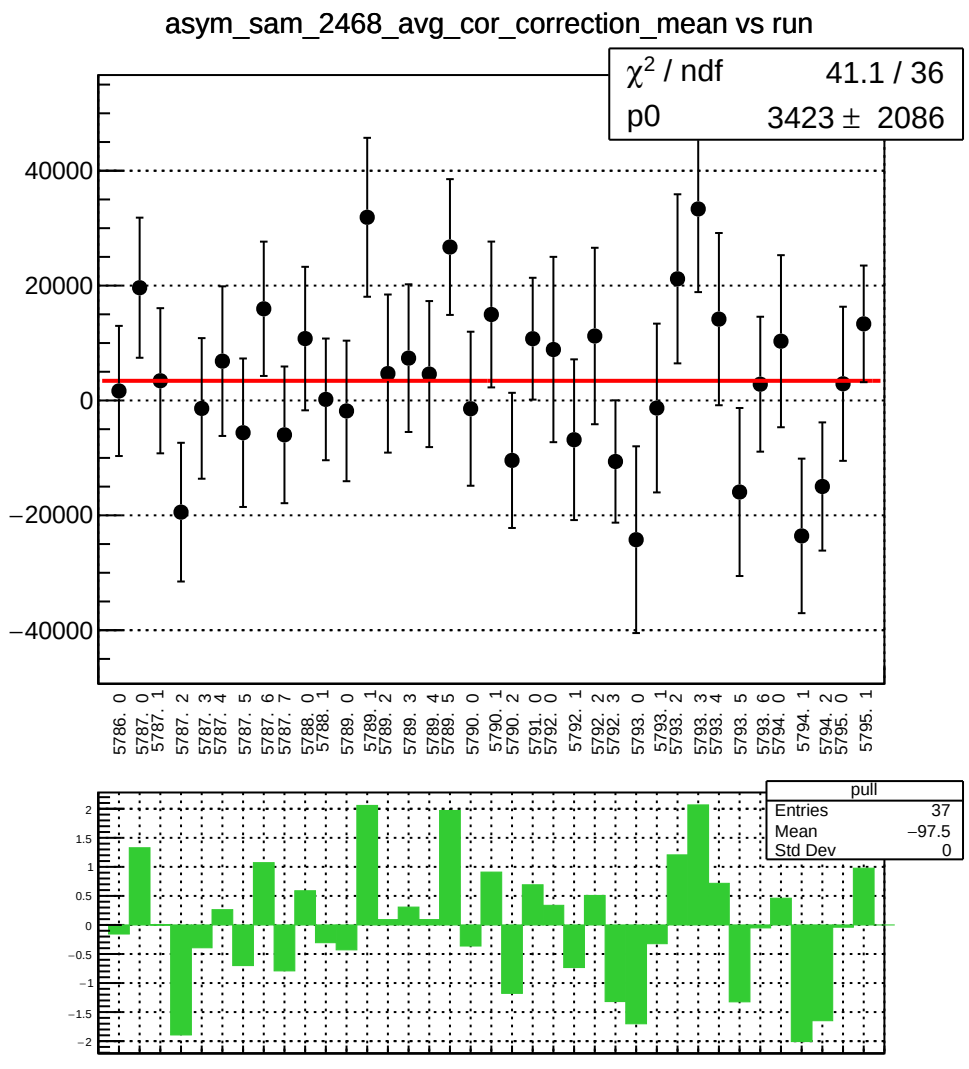

reg_asym_sam_2468_avg_rms vs run
χ² / ndf 2.085e+04 / 36
p0 98.03 ± 0.1146
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

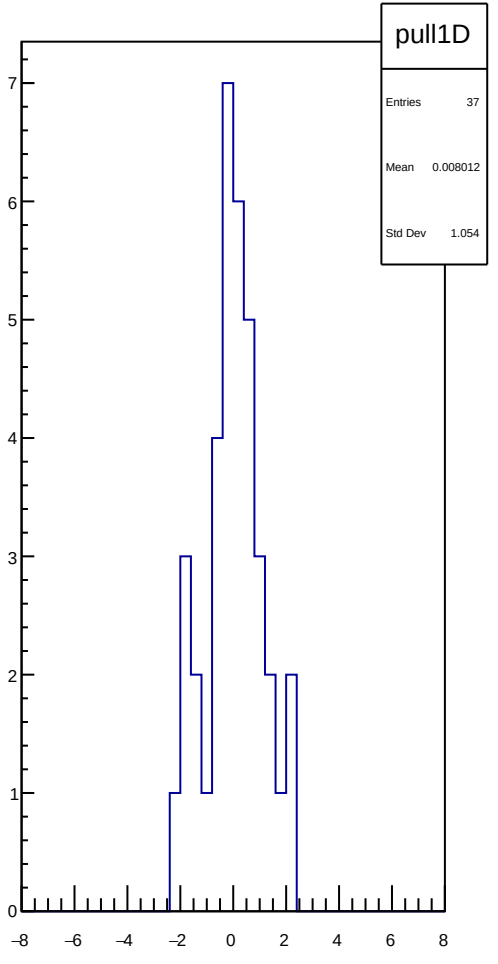

asym_sam_2468_avg_reg_correction_mean vs run
χ² / ndf 41.1 / 36
p0 3423 ± 2086
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.008012
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

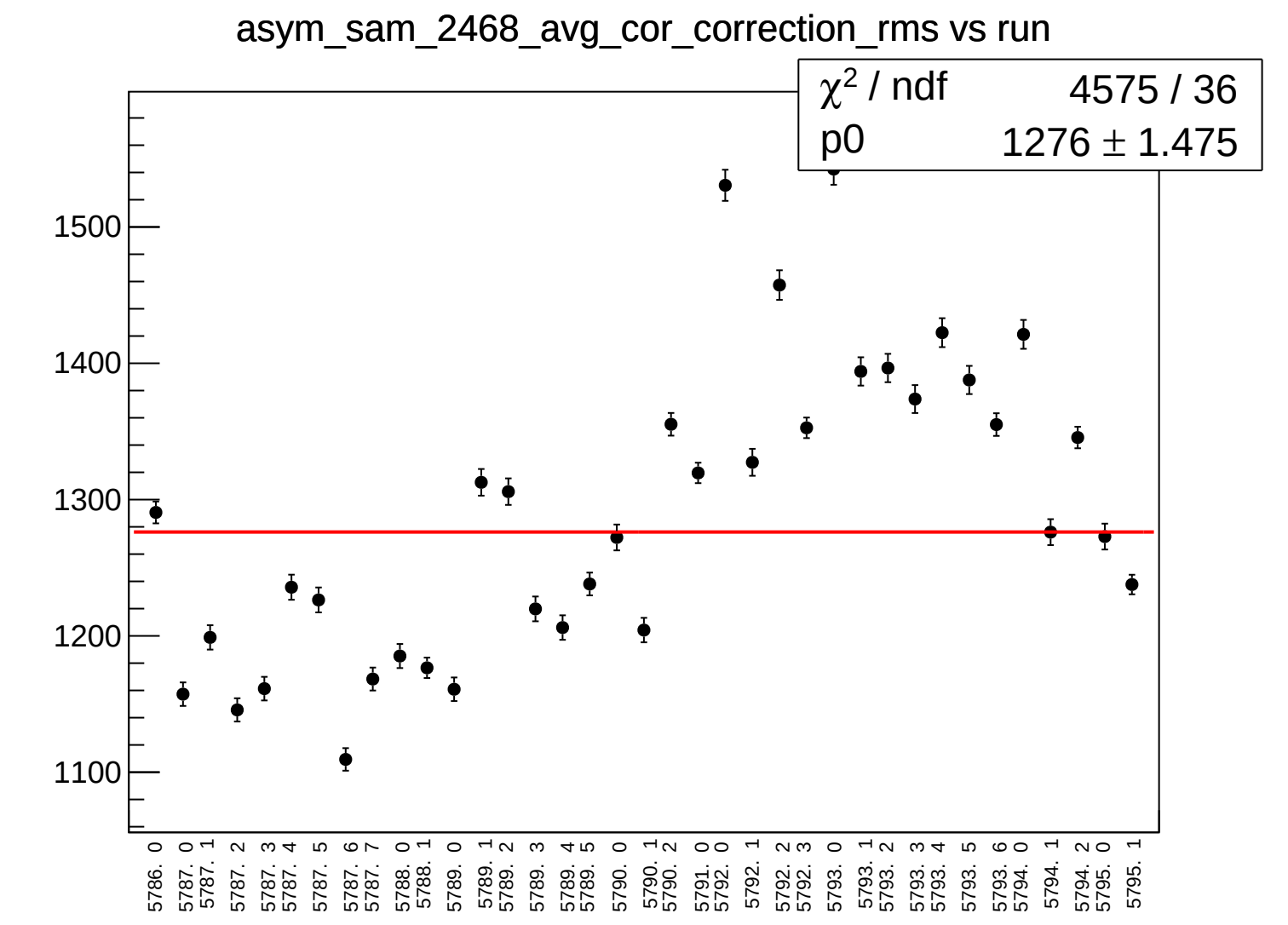

asym_sam_2468_avg_reg_correction_rms vs run
χ² / ndf 4575 / 36
p0 1276 ± 1.475
1500
1400
1300
1200
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

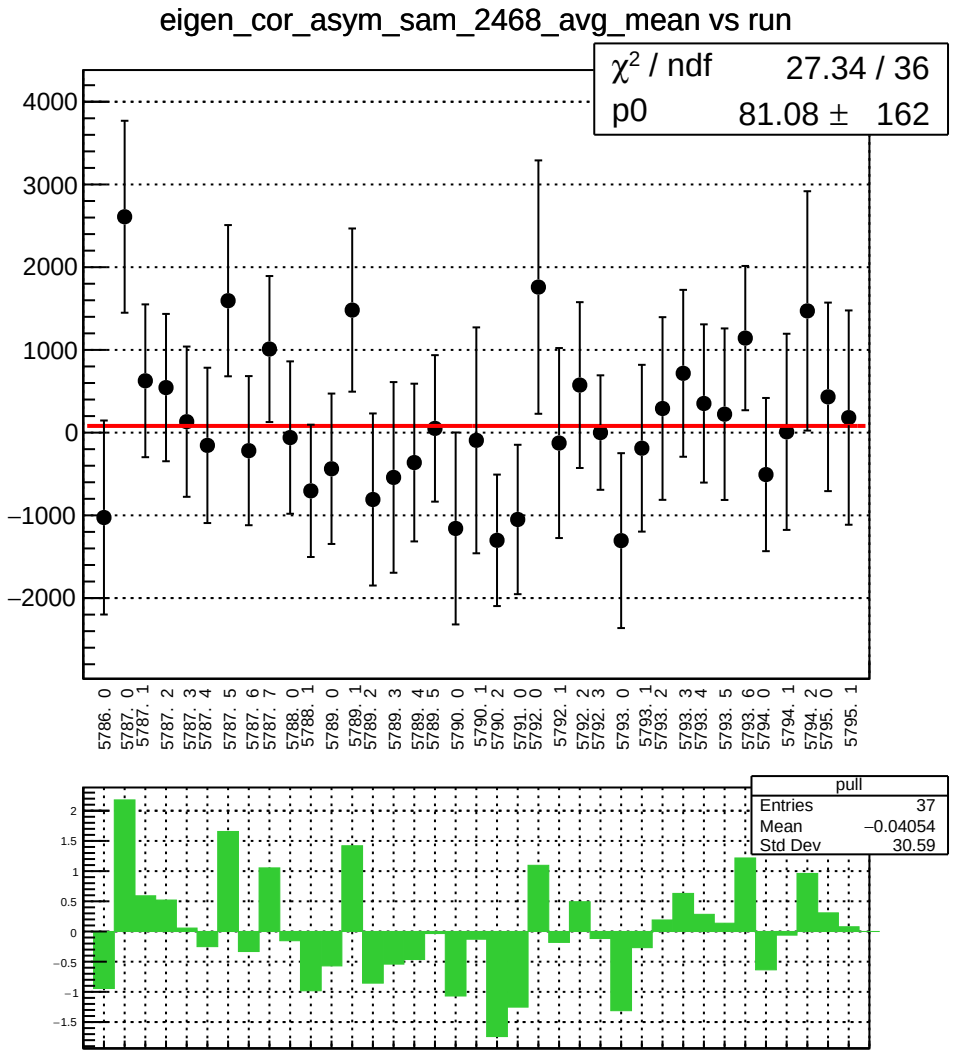

cor_asym_sam_2468_avg_mean vs run
χ² / ndf 27.34 / 36
p0 81.08 ± 162
4000
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.04054
Std Dev 30.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02673
Std Dev 0.8592
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

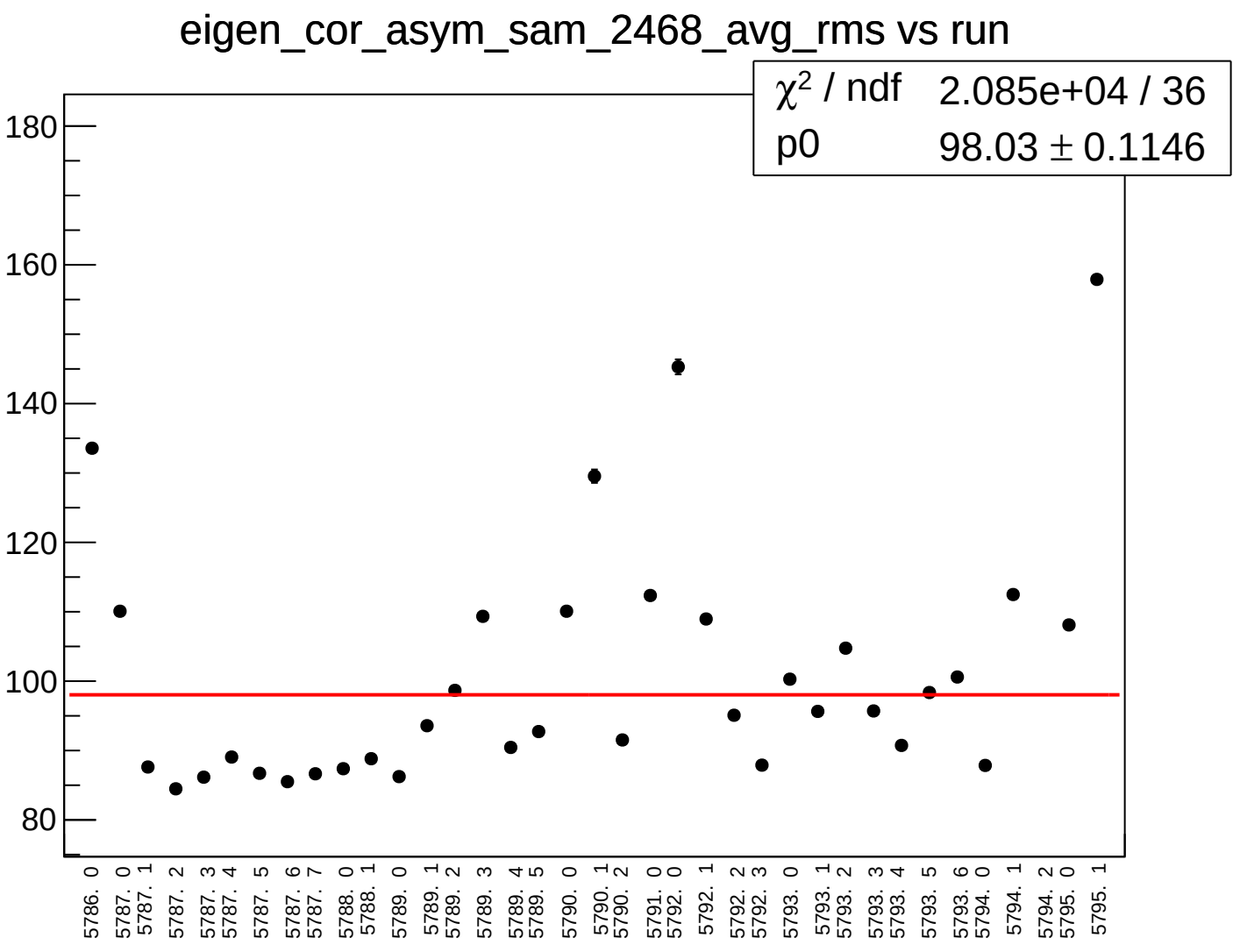

cor_asym_sam_2468_avg_rms vs run
χ² / ndf 2.085e+04 / 36
p0 98.03 ± 0.1146
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_2468_avg_cor_correction_mean vs run
χ² / ndf 41.1 / 36
p0 3423 ± 2086
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.008012
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_2468_avg_cor_correction_rms vs run
χ² / ndf 4575 / 36
p0 1276 ± 1.475
1500
1400
1300
1200
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_cor_asym_sam_2468_avg_mean vs run
χ² / ndf 27.34 / 36
p0 81.08 ± 162
4000
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −0.04054
Std Dev 30.59
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02673
Std Dev 0.8592
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


eigen_cor_asym_sam_2468_avg_rms vs run
χ² / ndf 2.085e+04 / 36
p0 98.03 ± 0.1146
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
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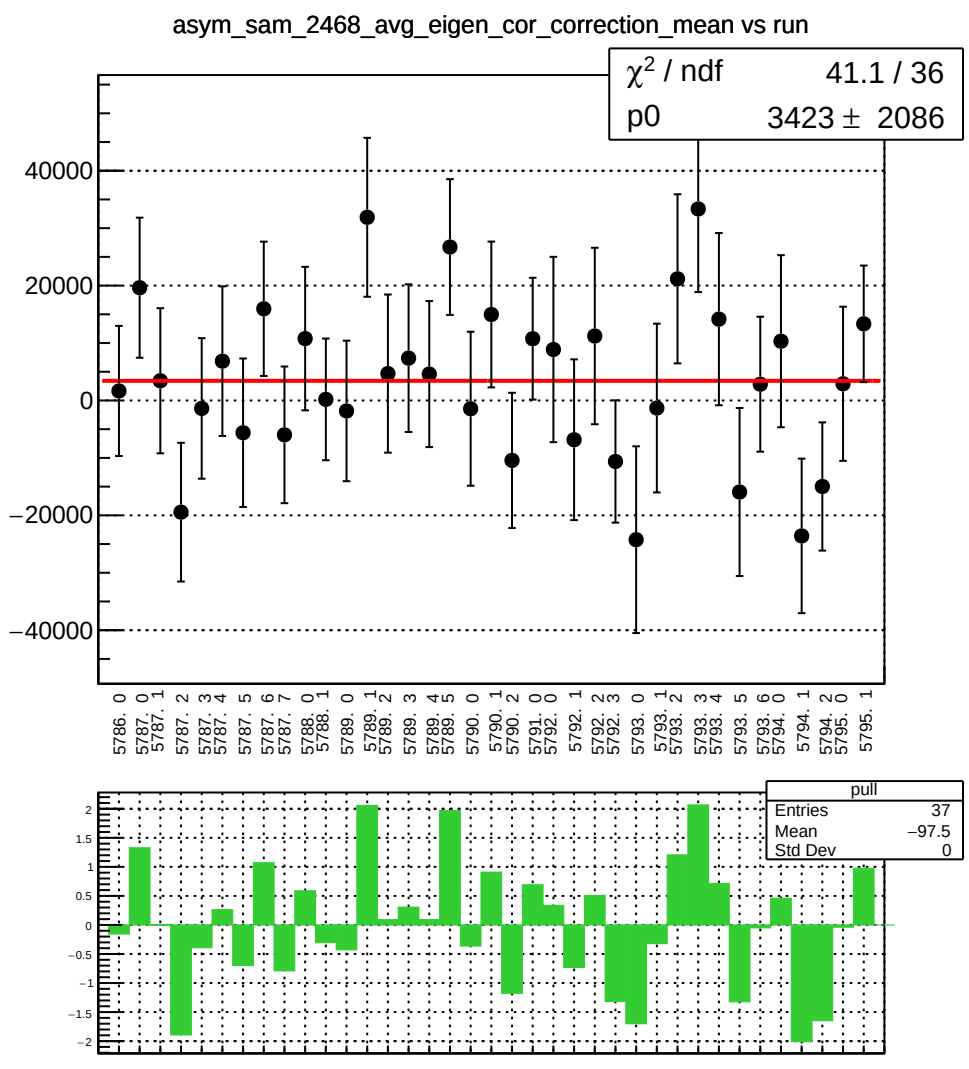
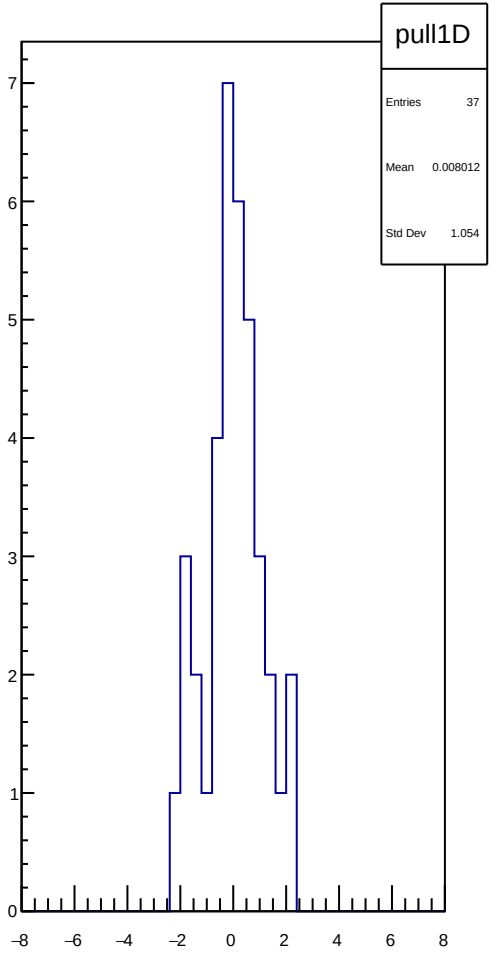
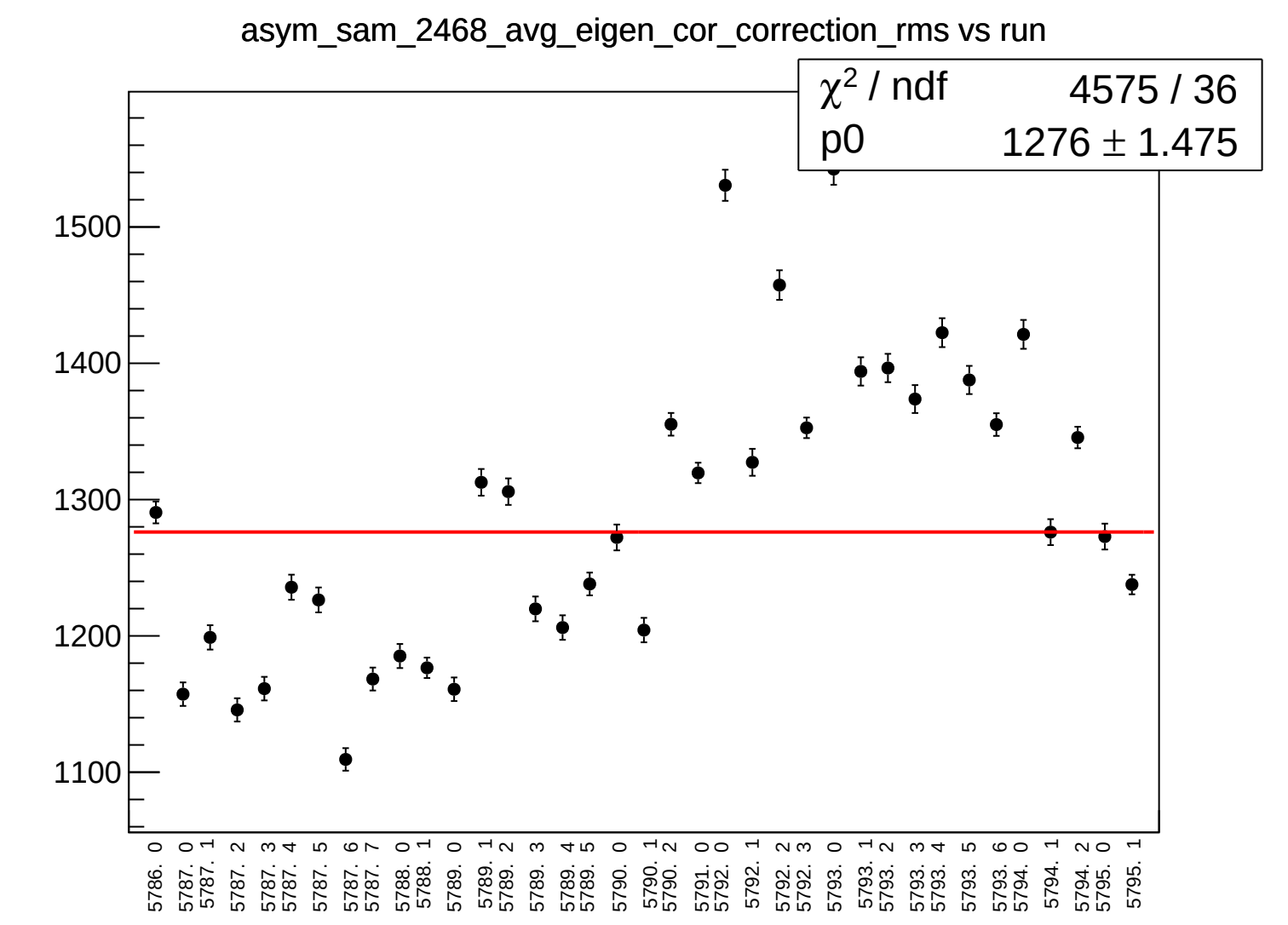
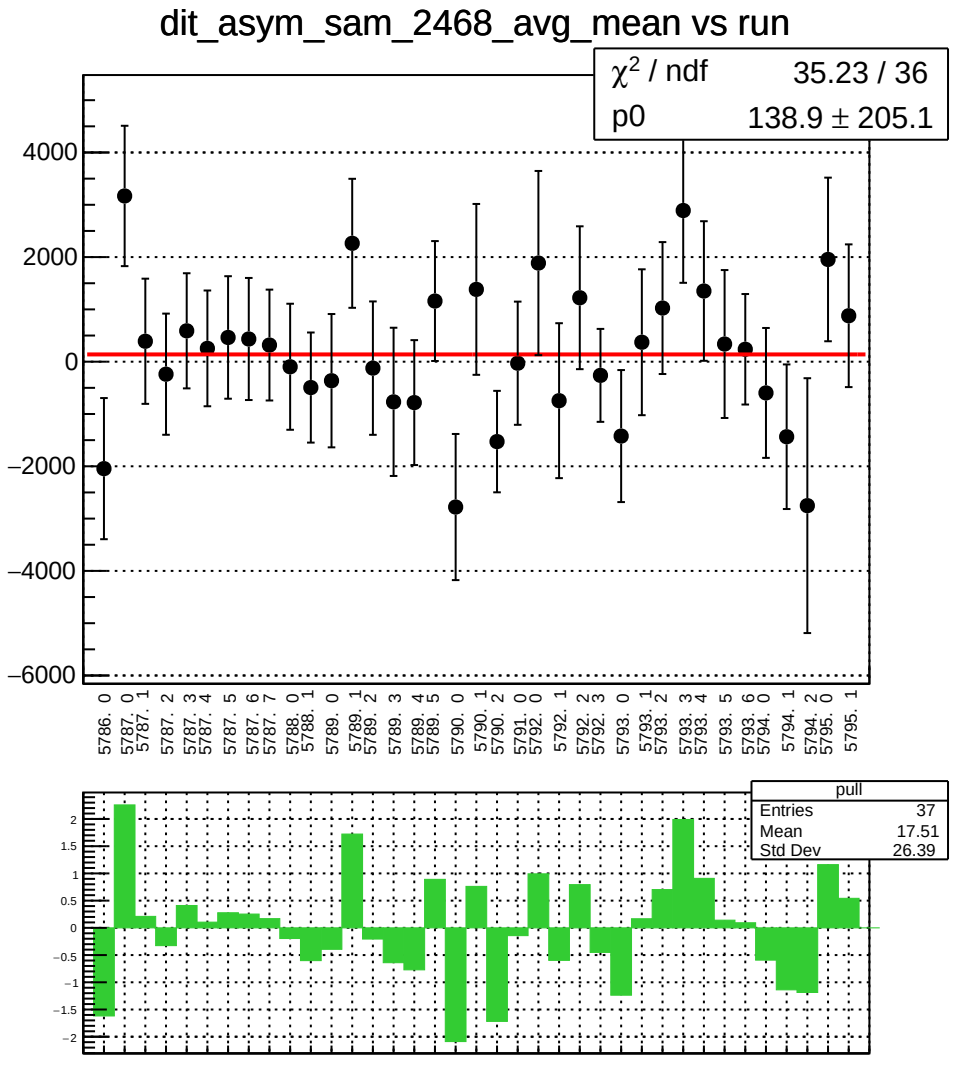
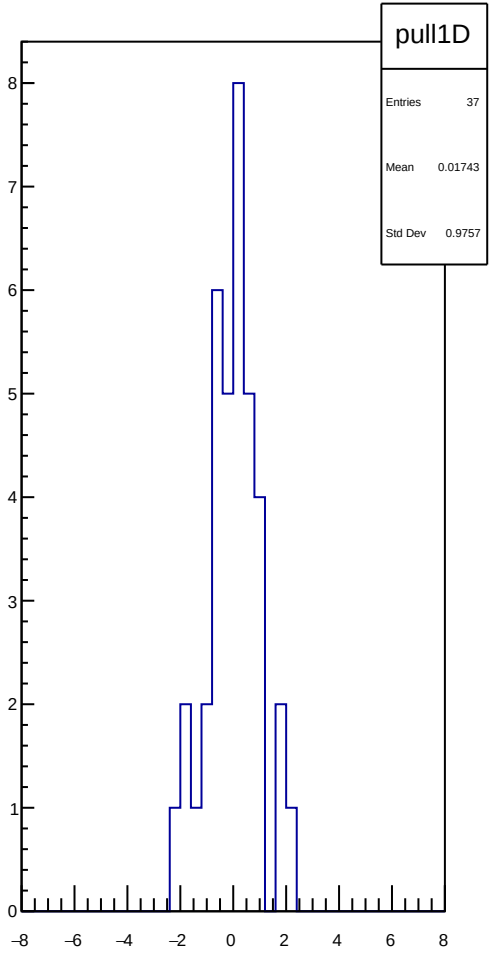
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

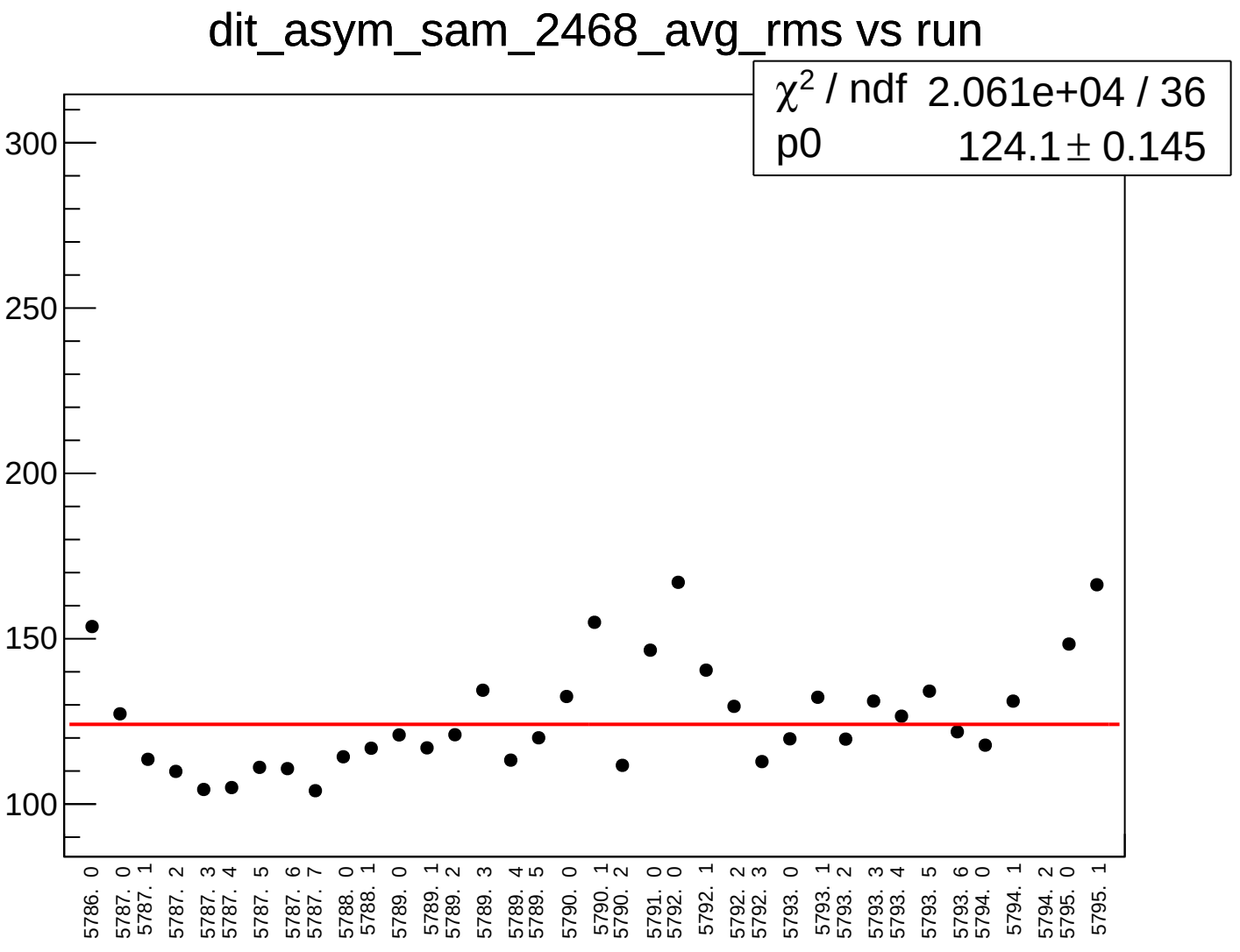

asym_sam_2468_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.1 / 36
p0 3423 ± 2086
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −97.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

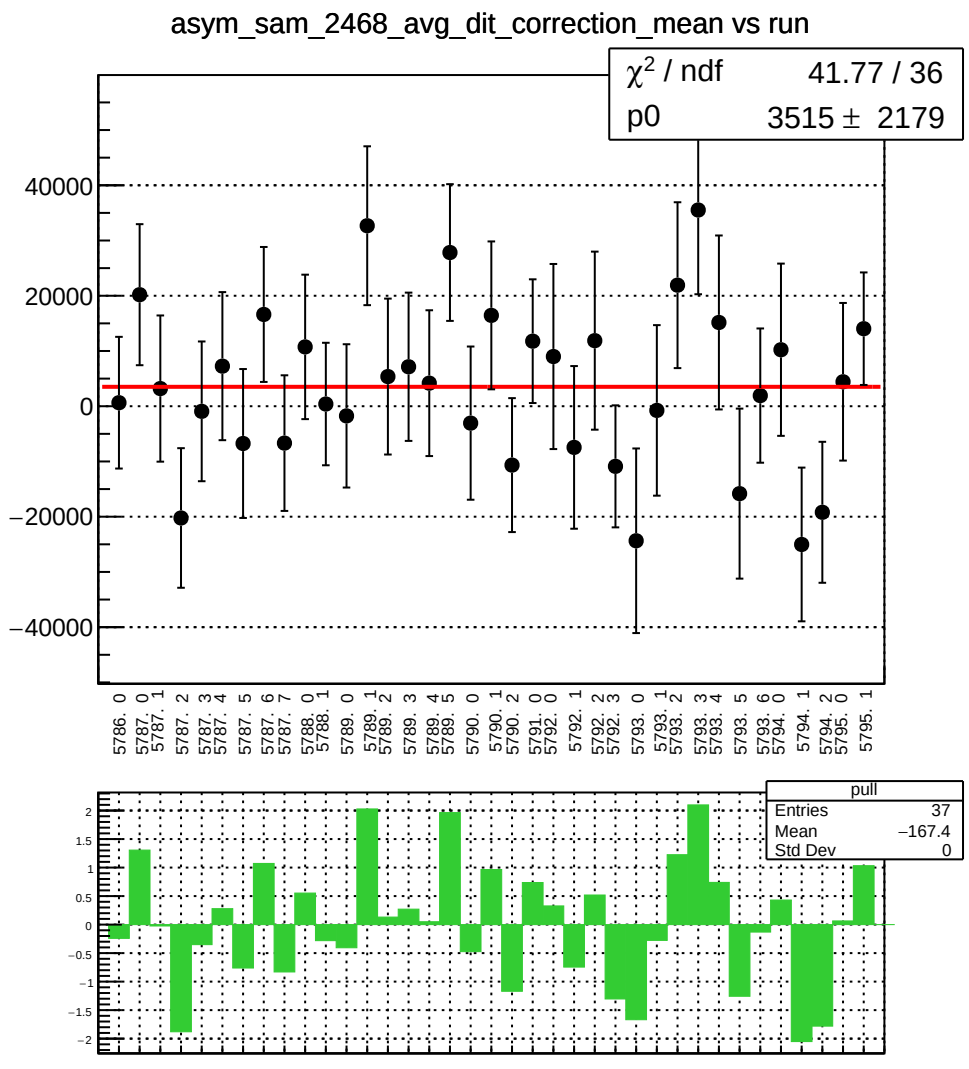

pull1D
Entries 37
Mean 0.008012
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

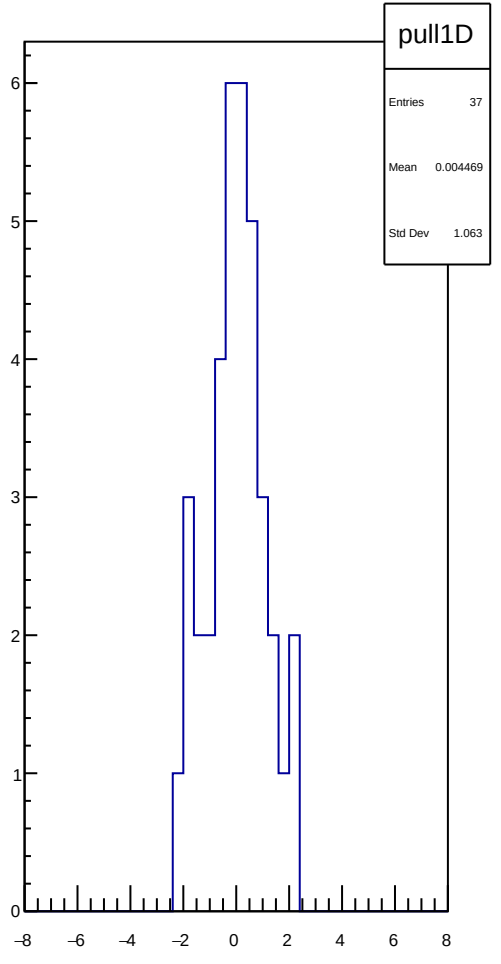

asym_sam_2468_avg_eigen_cor_correction_rms vs run
χ² / ndf 4575 / 36
p0 1276 ± 1.475
1500
1400
1300
1200
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

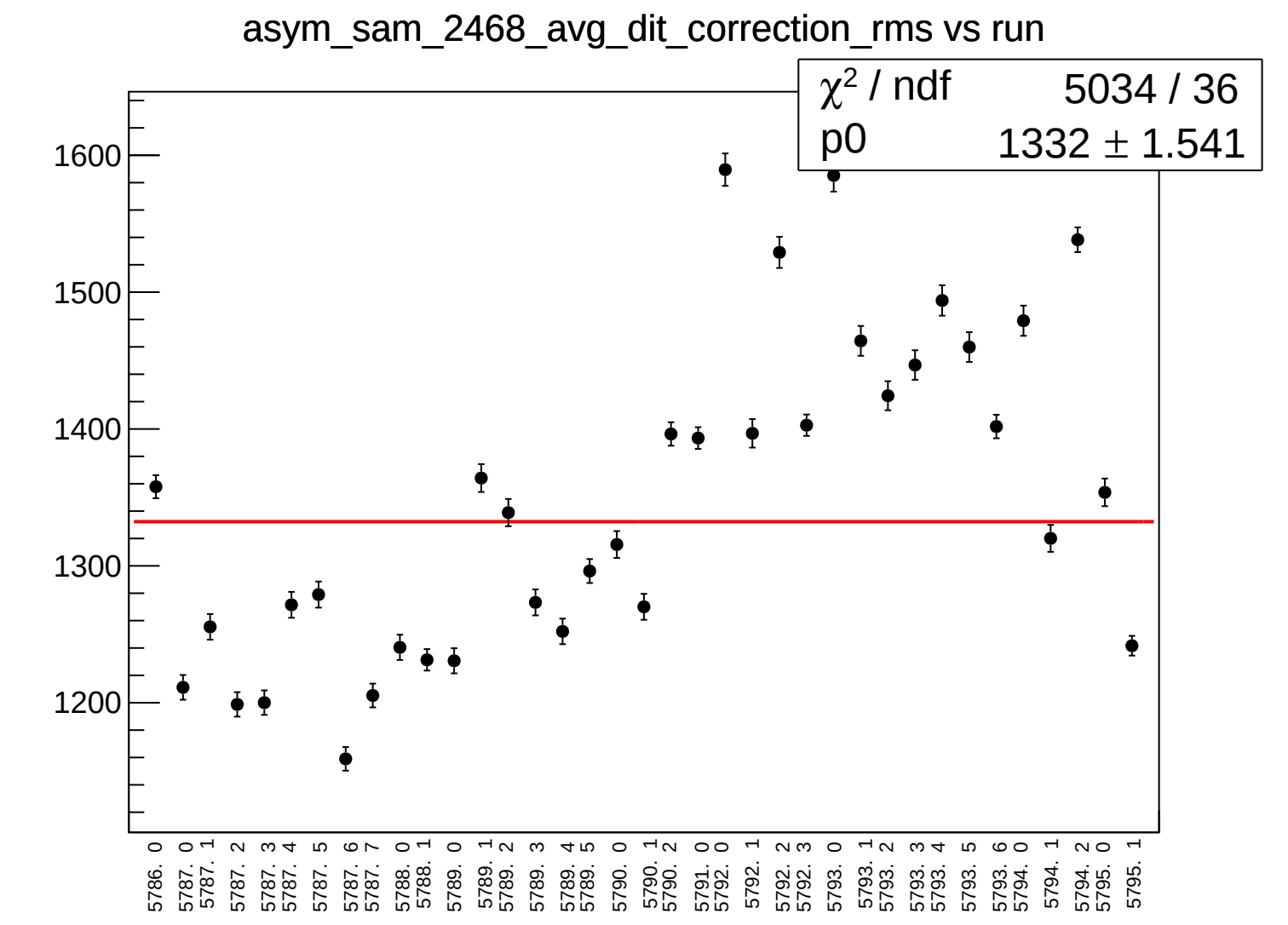

dit_asym_sam_2468_avg_mean vs run
χ² / ndf 35.23 / 36
p0 138.9 ± 205.1
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.51
Std Dev 26.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

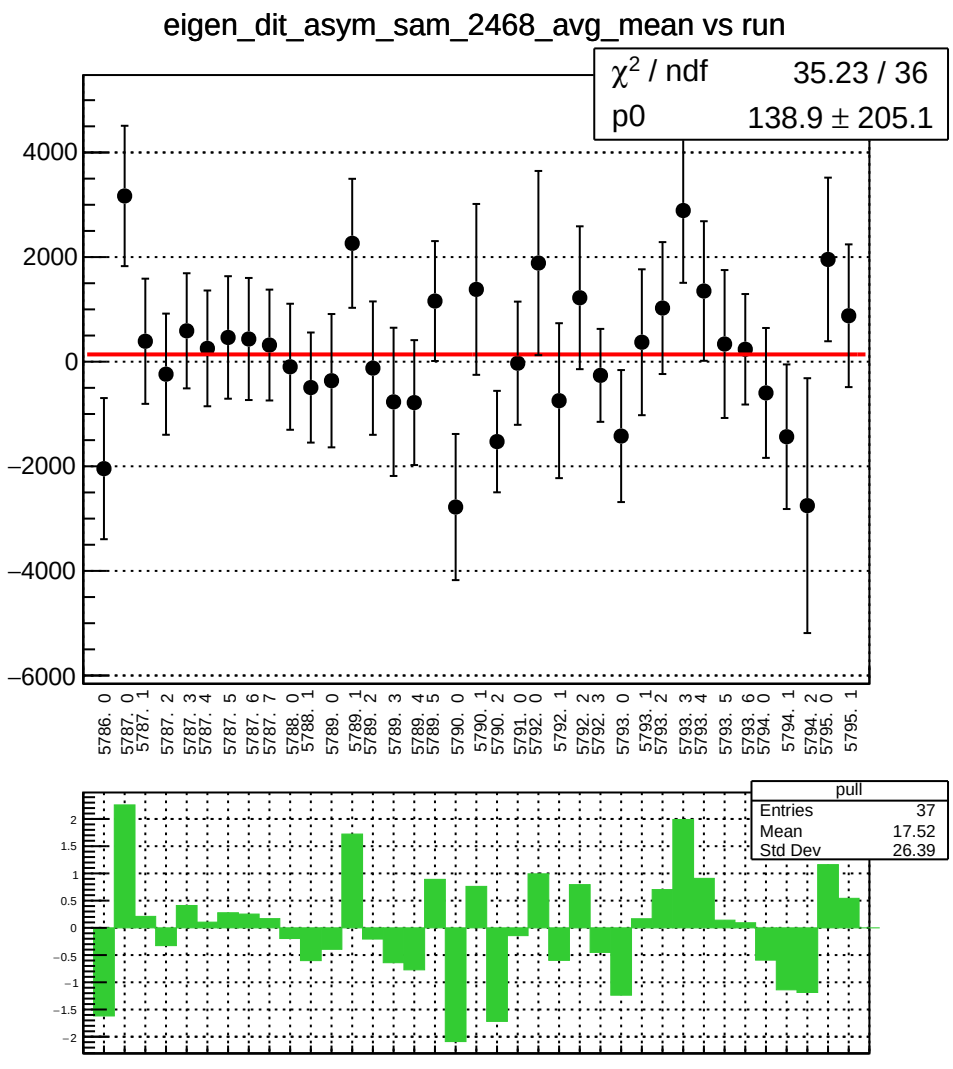

pull1D
Entries 37
Mean 0.01743
Std Dev 0.9757
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

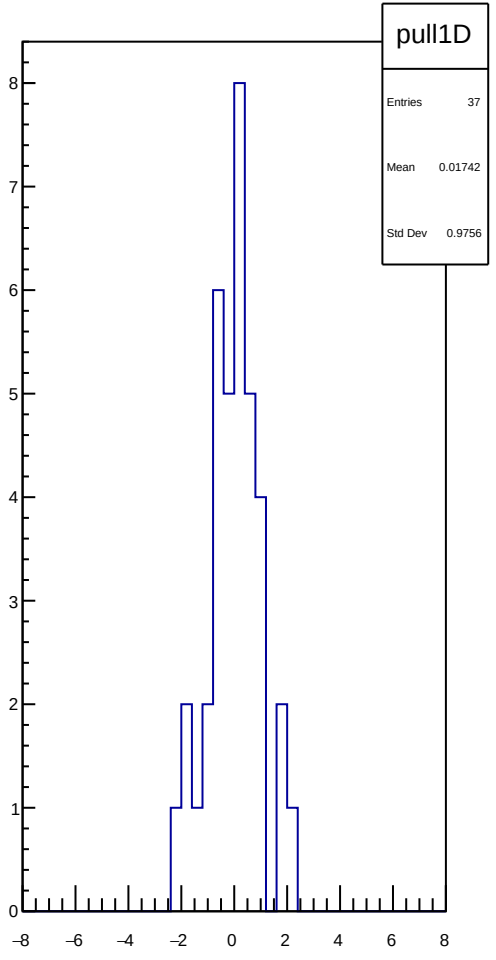

dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.061e+04 / 36
p0 124.1 ± 0.145
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

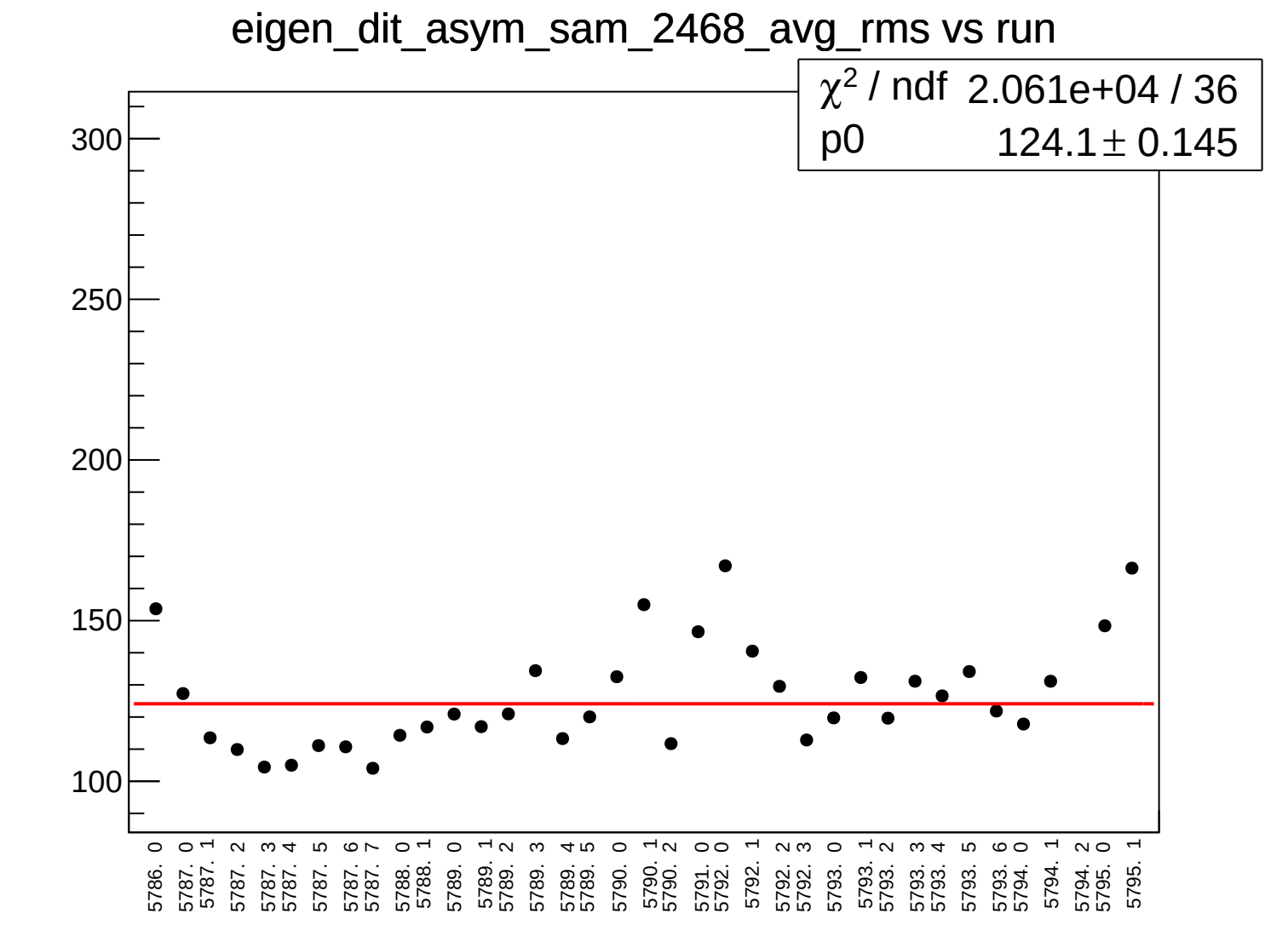

asym_sam_2468_avg_dit_correction_mean vs run
χ² / ndf 41.77 / 36
p0 3515 ± 2179
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −167.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

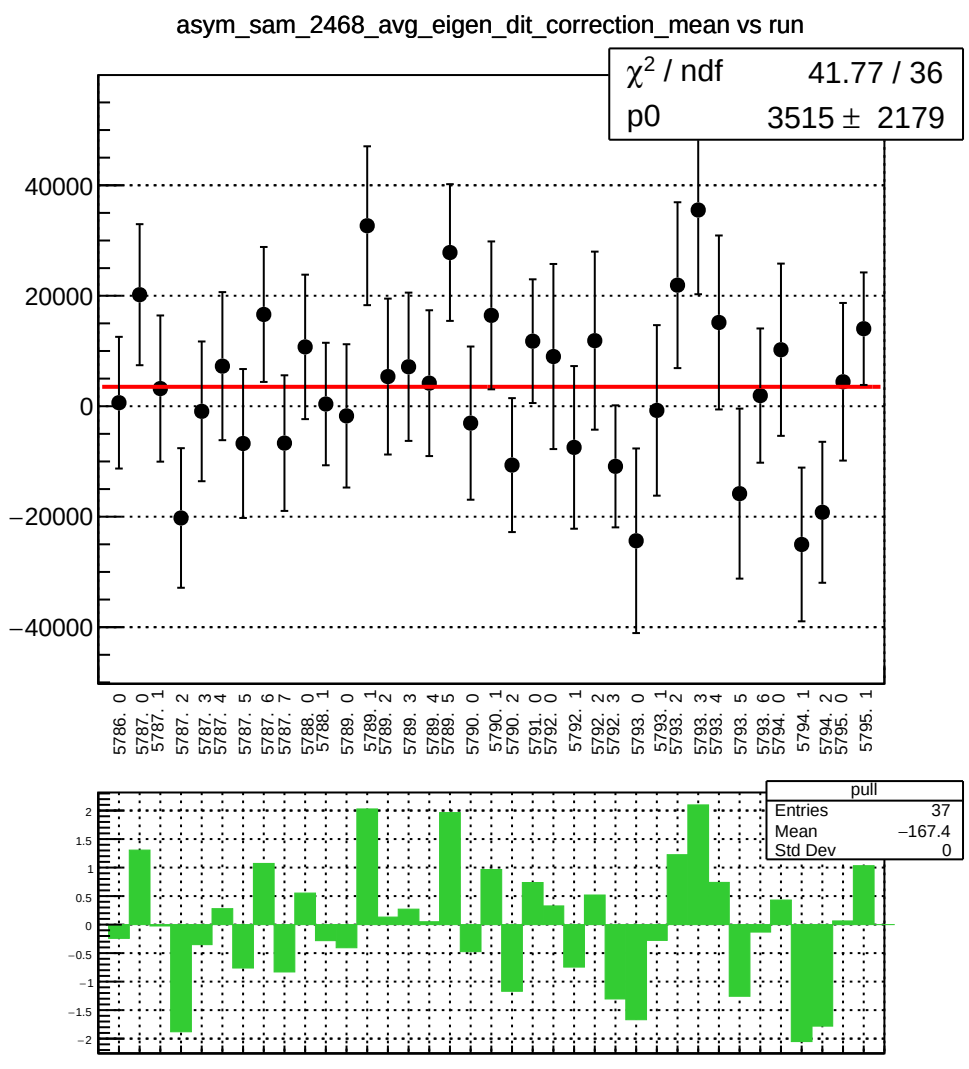

pull1D
Entries 37
Mean 0.004469
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

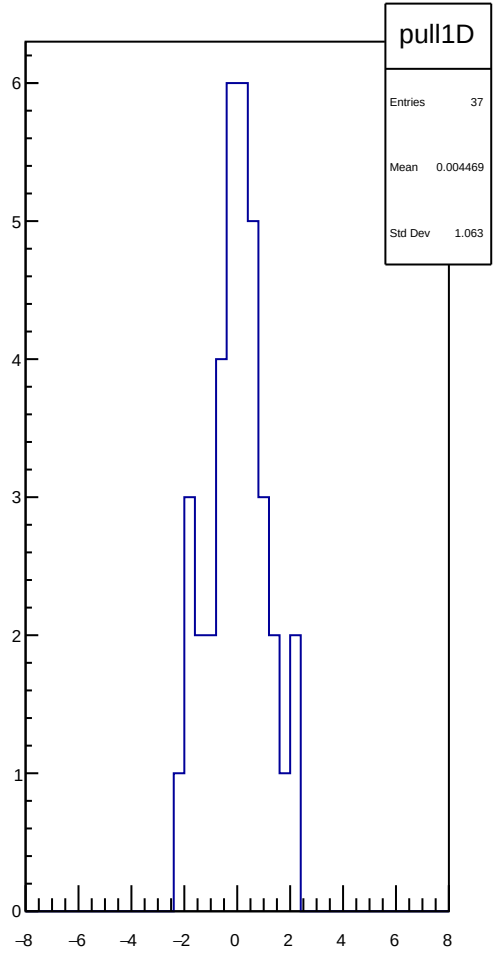

asym_sam_2468_avg_dit_correction_rms vs run
χ² / ndf 5034 / 36
p0 1332 ± 1.541
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

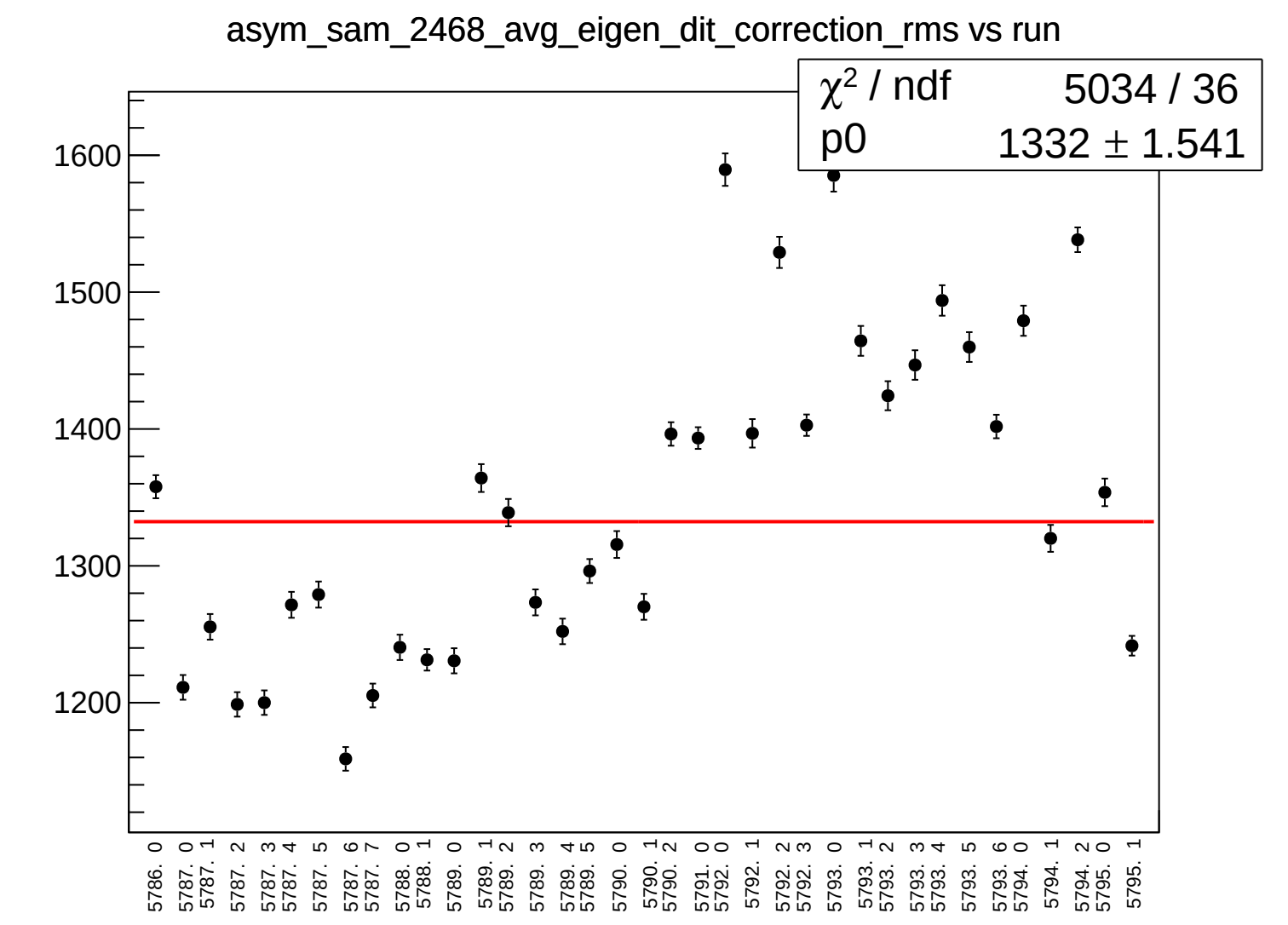

eigen_dit_asym_sam_2468_avg_mean vs run
χ² / ndf 35.23 / 36
p0 138.9 ± 205.1
4000
2000
0
−2000
−4000
−6000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.52
Std Dev 26.39
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

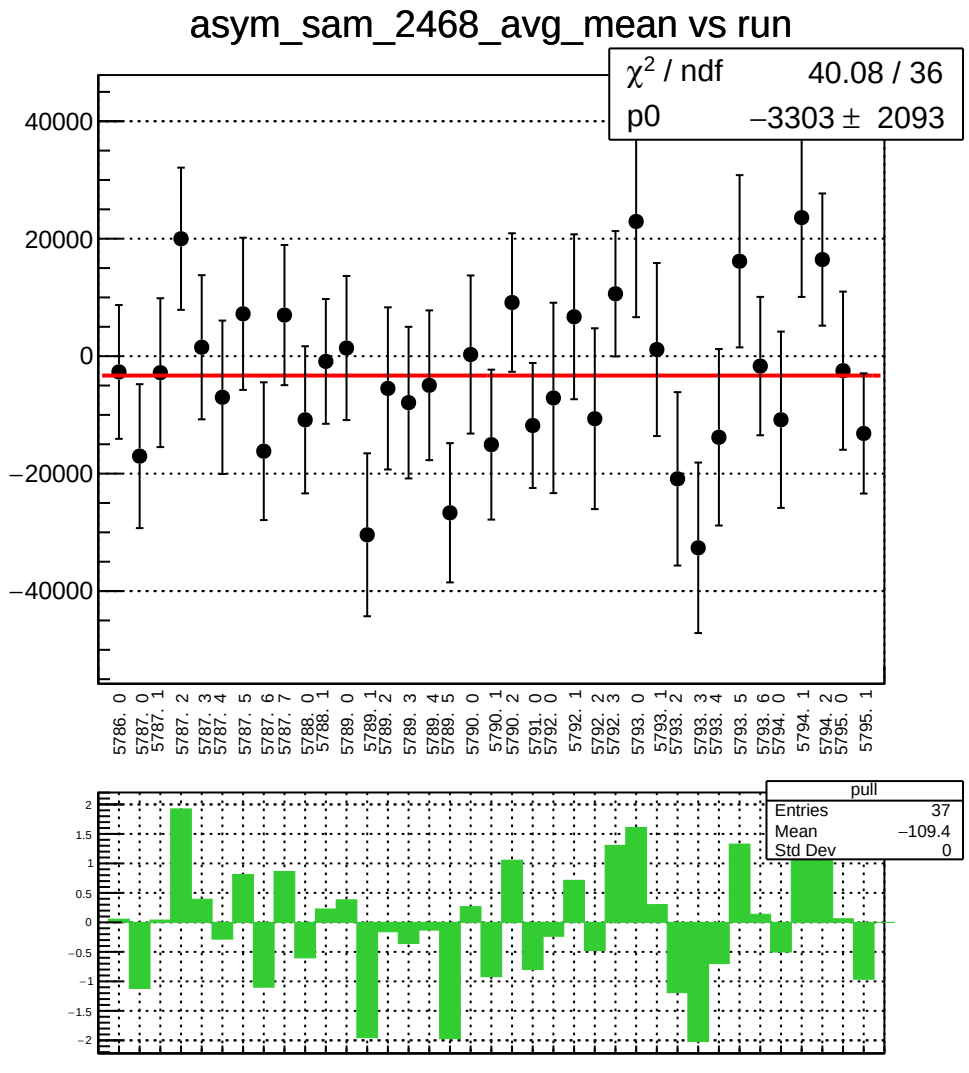

pull1D
Entries 37
Mean 0.01742
Std Dev 0.9756
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

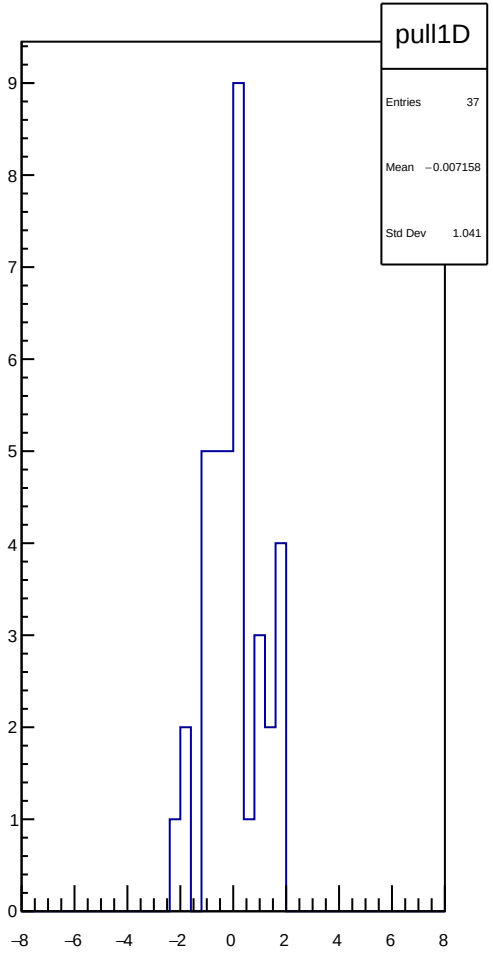

eigen_dit_asym_sam_2468_avg_rms vs run
χ² / ndf 2.061e+04 / 36
p0 124.1 ± 0.145
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

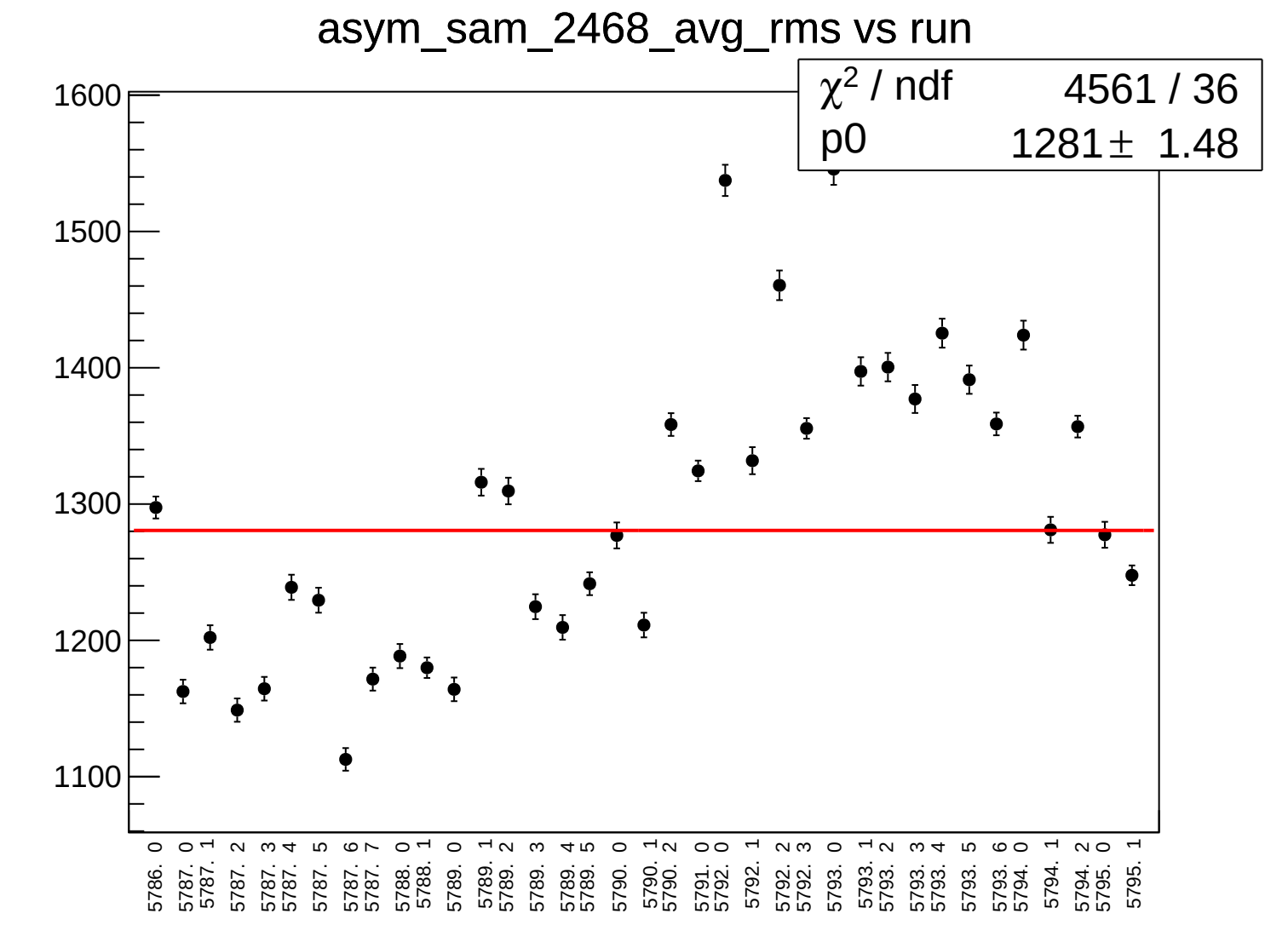

asym_sam_2468_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.77 / 36
p0 3515 ± 2179
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −167.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

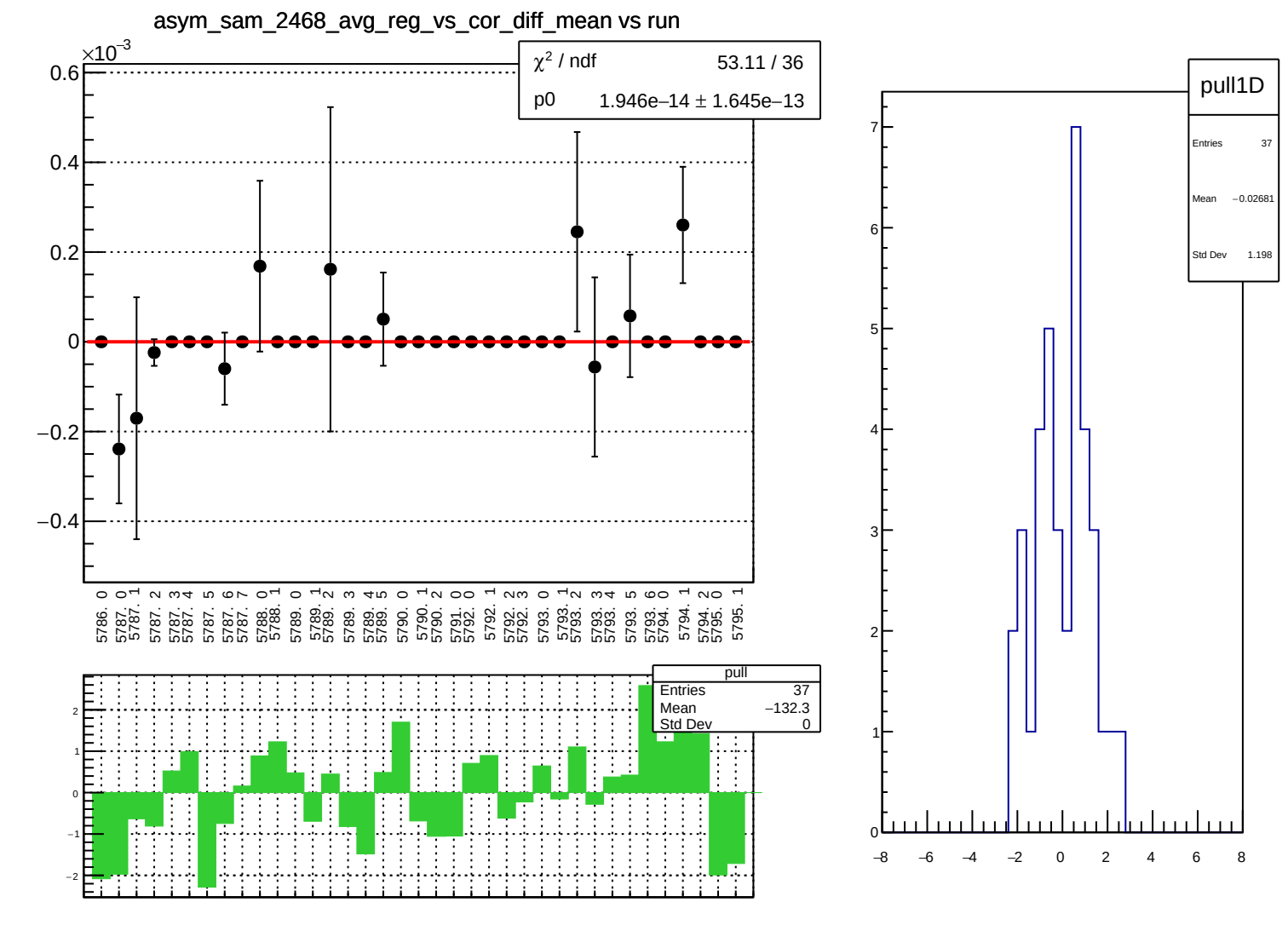

pull1D
Entries 37
Mean 0.004469
Std Dev 1.063
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

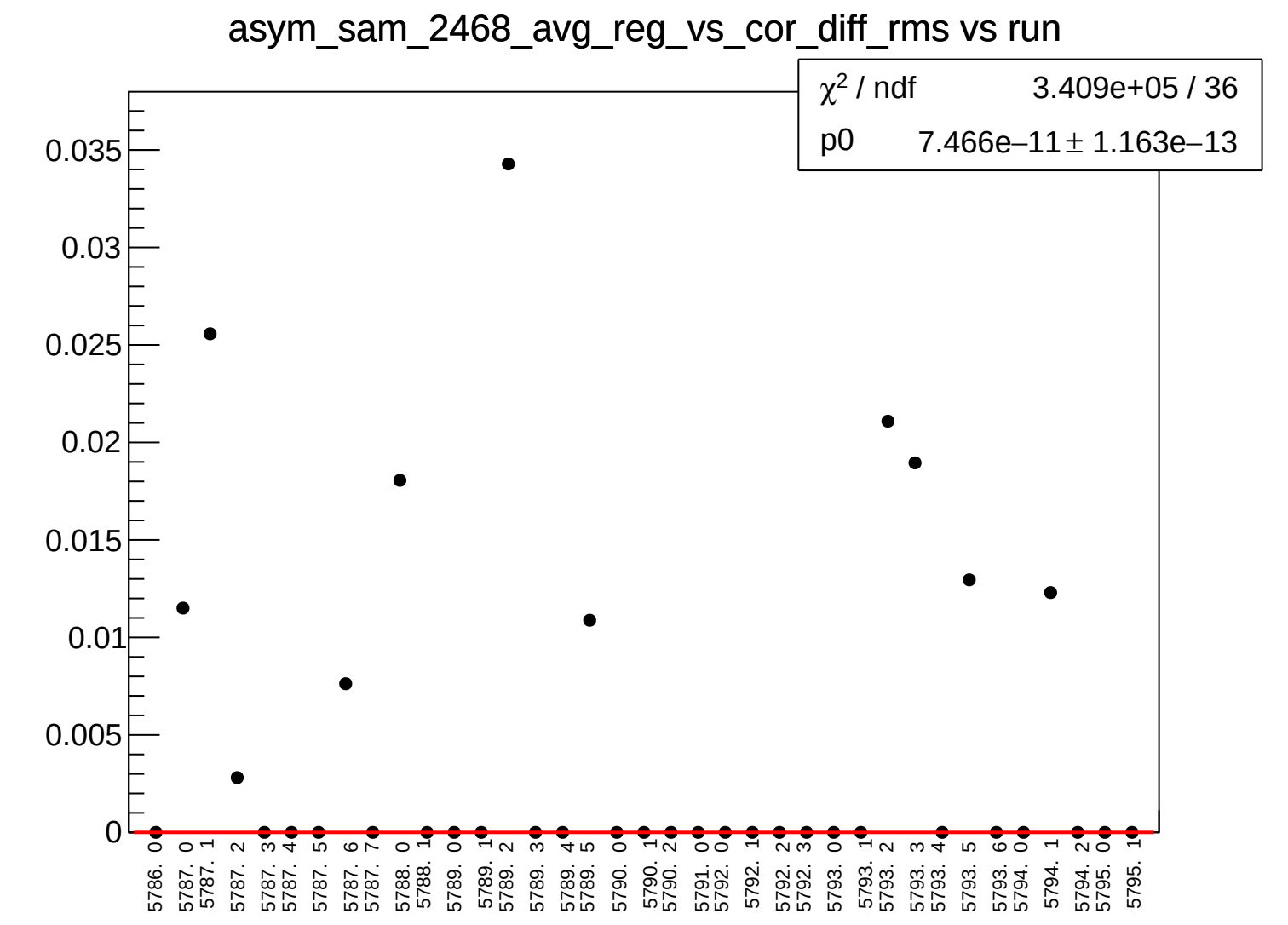

asym_sam_2468_avg_eigen_dit_correction_rms vs run
χ² / ndf 5034 / 36
p0 1332 ± 1.541
1600
1500
1400
1300
1200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

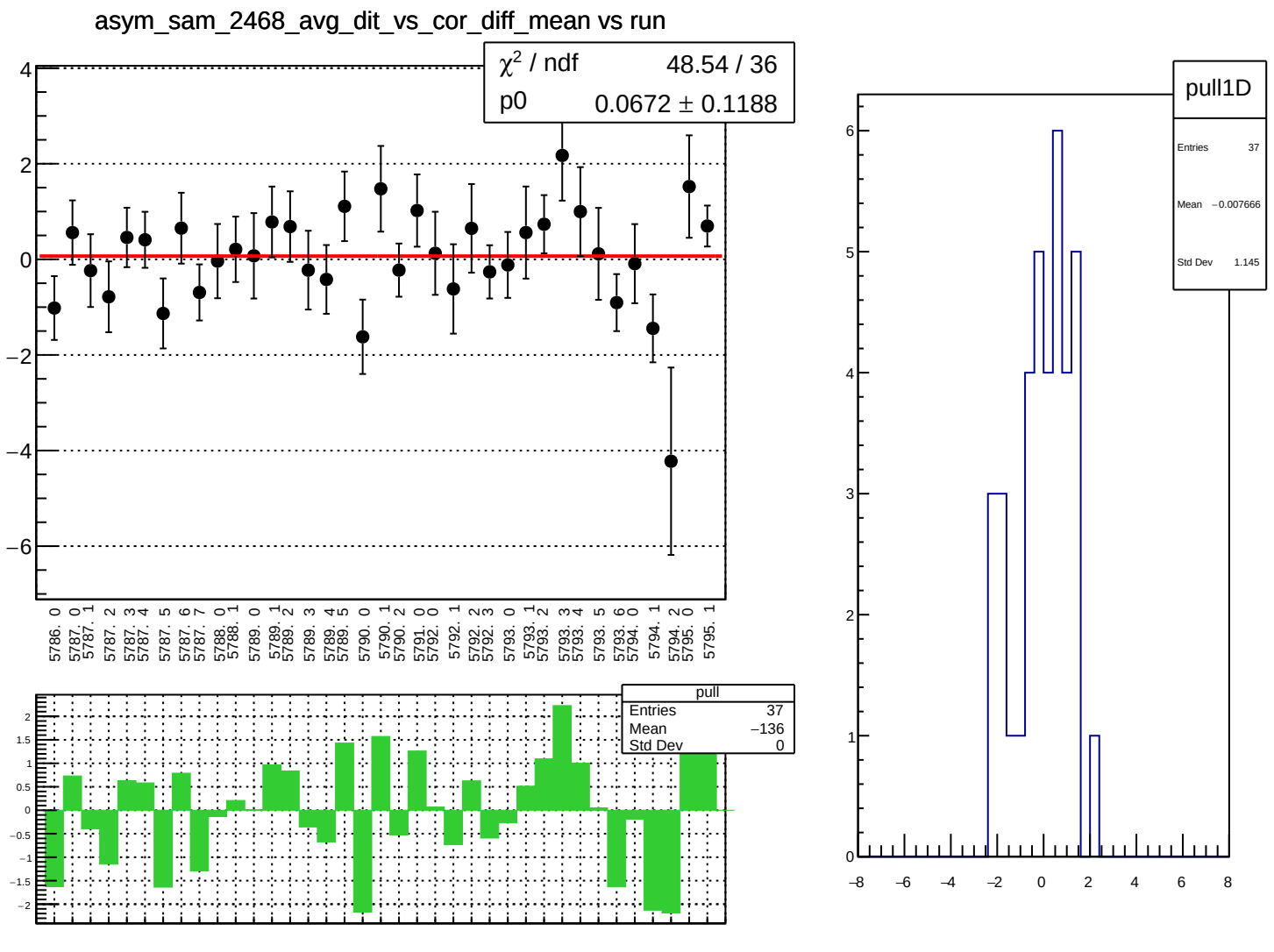

asym_sam_2468_avg_mean vs run
χ² / ndf 40.08 / 36
p0 −3303 ± 2093
40000
20000
0
−20000
−40000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −109.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

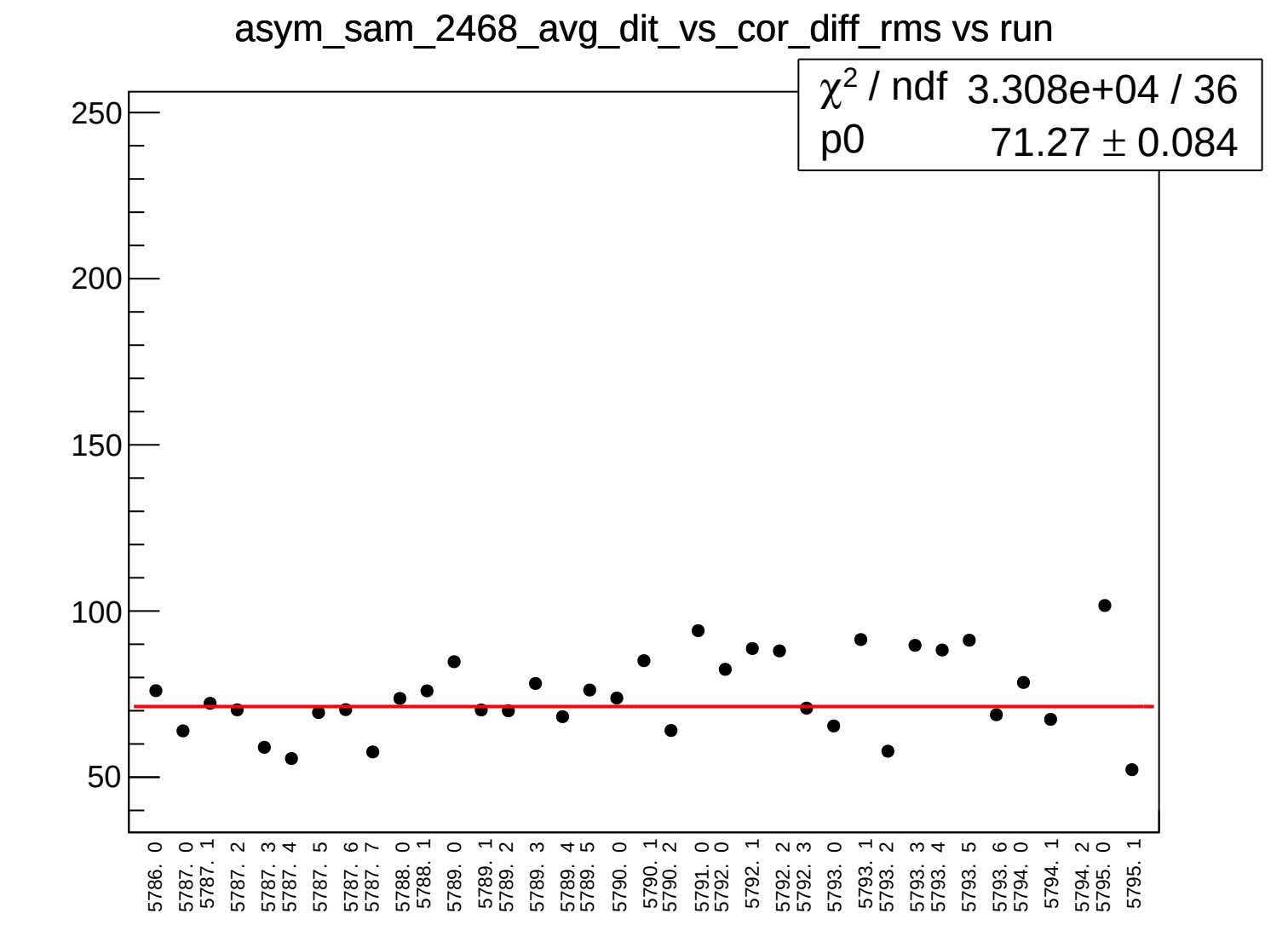

pull1D
Entries 37
Mean −0.007158
Std Dev 1.041
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

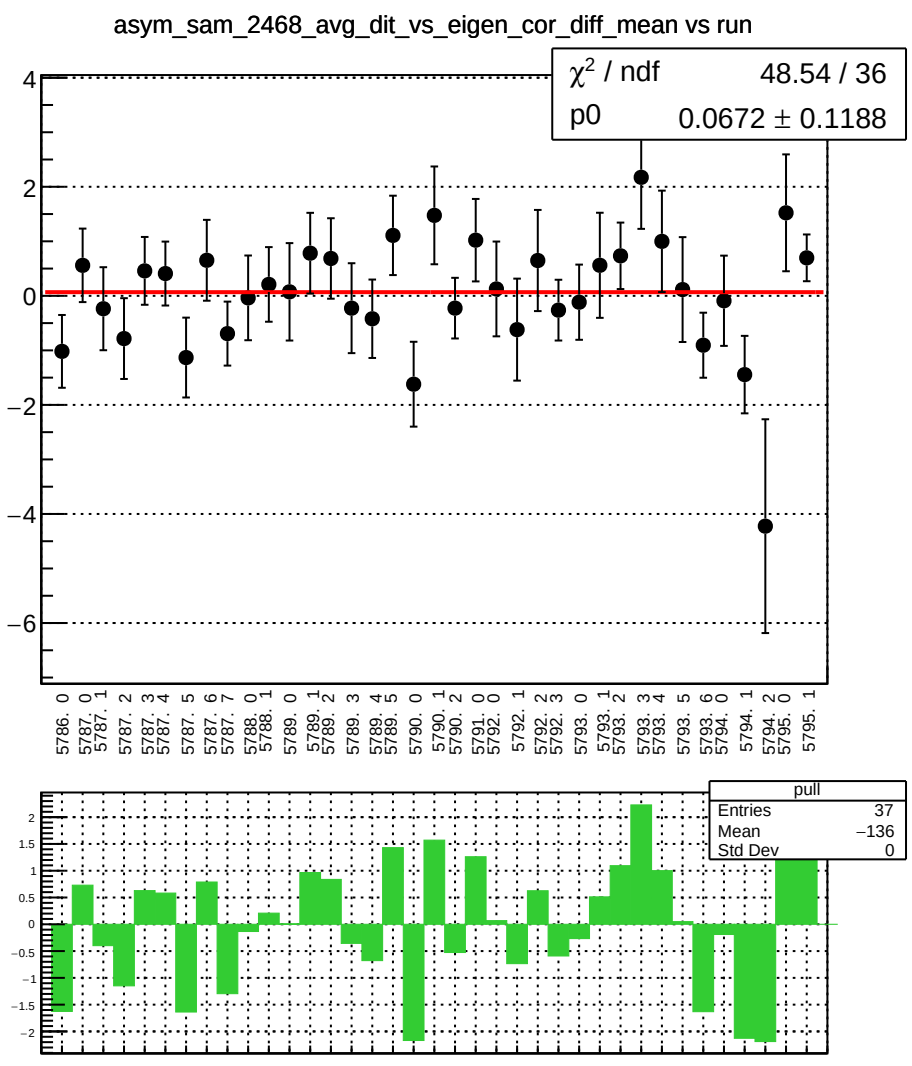

asym_sam_2468_avg_rms vs run
χ² / ndf 4561 / 36
p0 1281 ± 1.48
1600
1500
1400
1300
1200
1100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

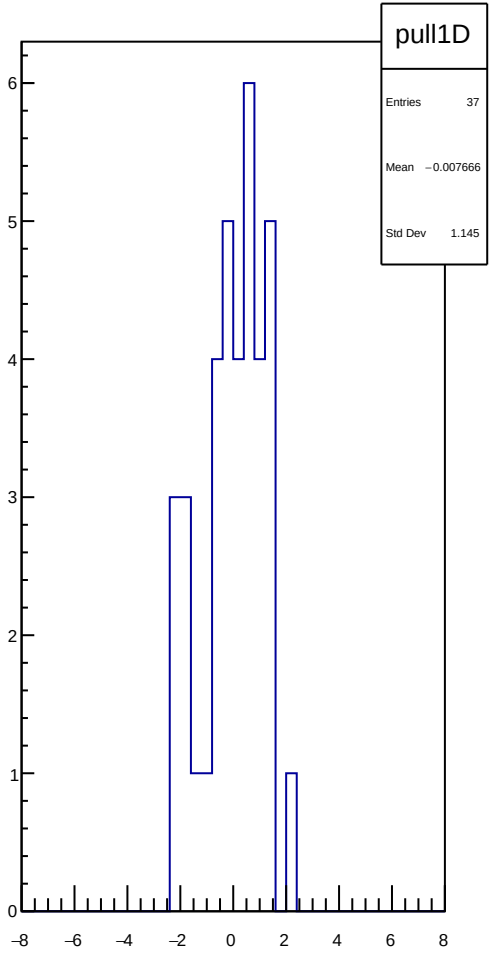

asym_sam_2468_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 53.11 / 36
p0 1.946e−14 ± 1.645e−13
0.6
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −132.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02681
Std Dev 1.198
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

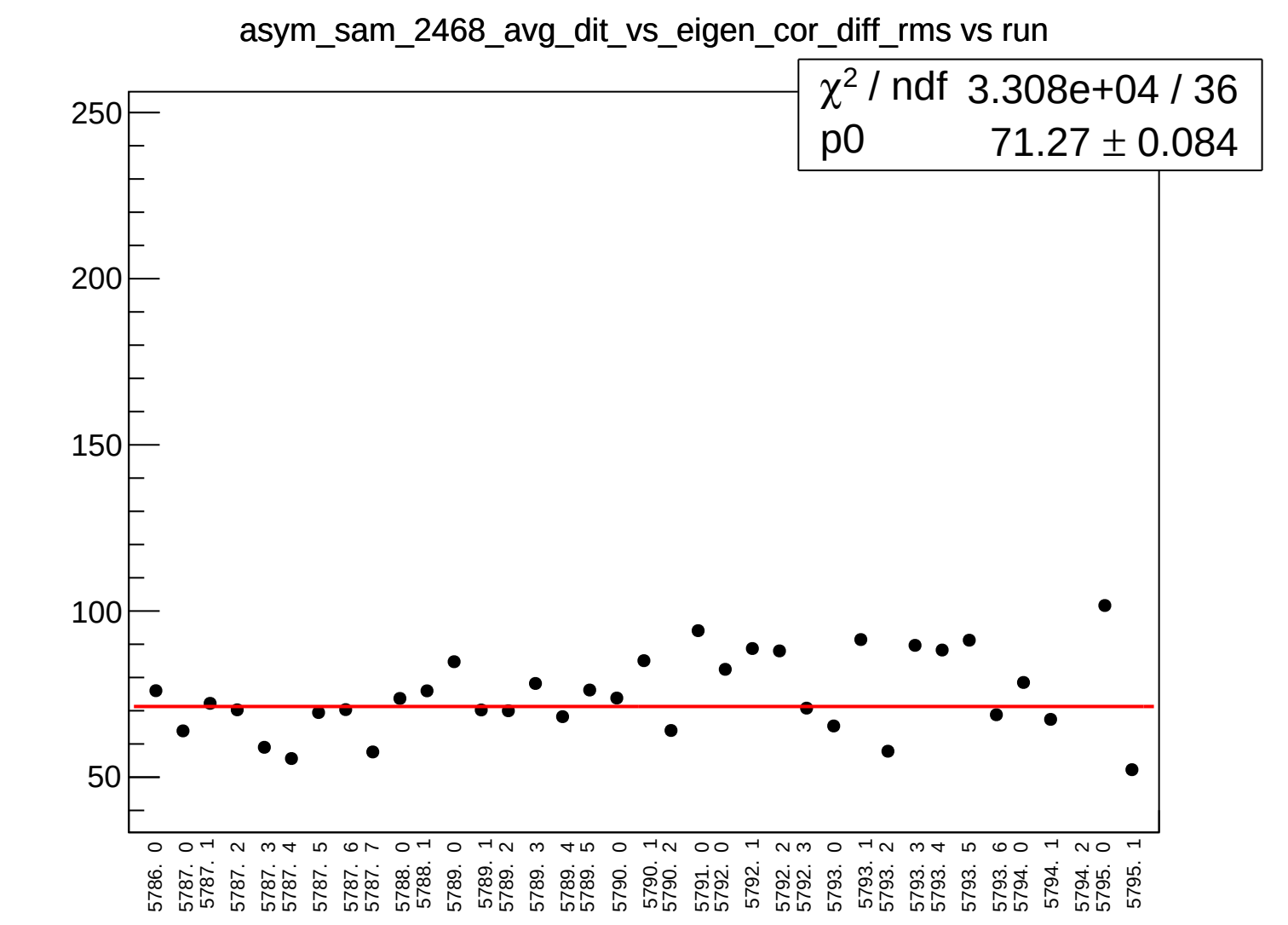

asym_sam_2468_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.409e+05 / 36
p0 7.466e−11 ± 1.163e−13
0.035
0.03
0.025
0.02
0.015
0.01
0.005
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

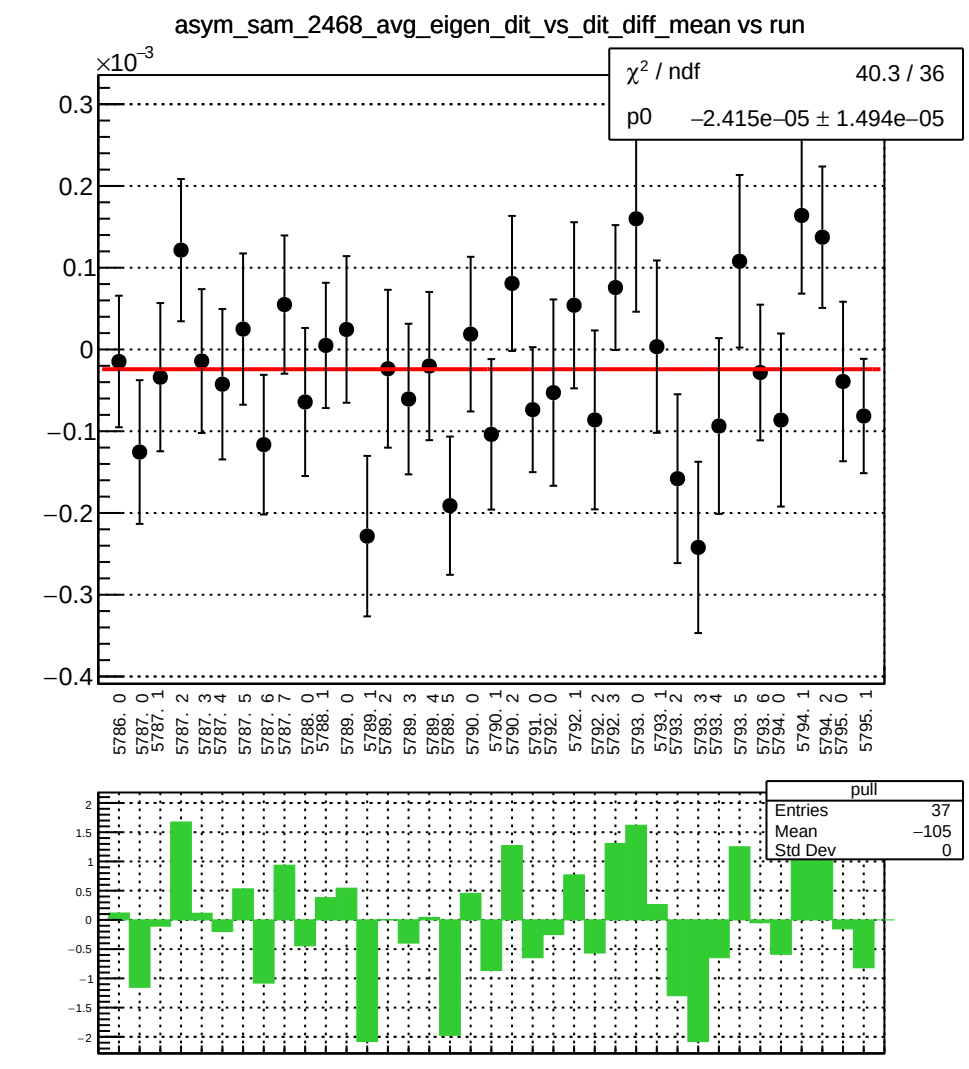

asym_sam_2468_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 48.54 / 36
p0 0.0672 ± 0.1188
pull
Entries 37
Mean −136
Std Dev 0
pull1D
Entries 37
Mean −0.007666
Std Dev 1.145

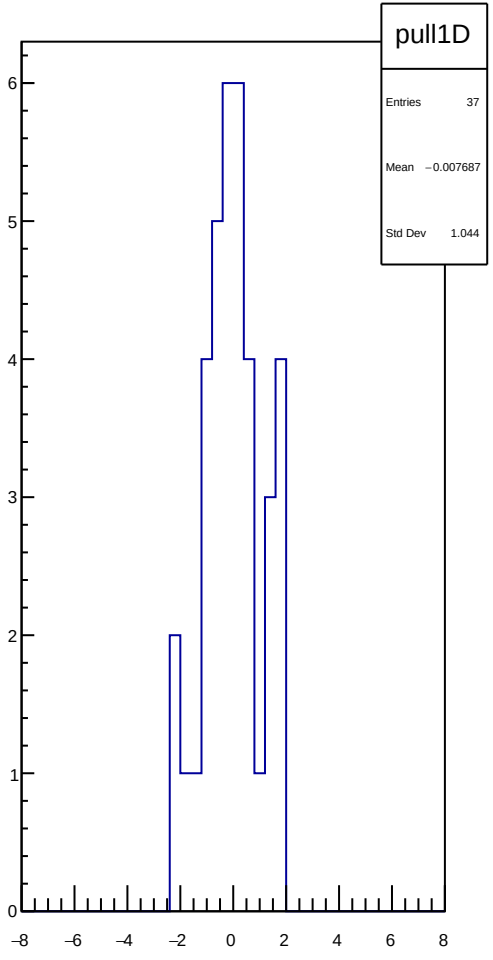

asym_sam_2468_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 36
p0 71.27 ± 0.084
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

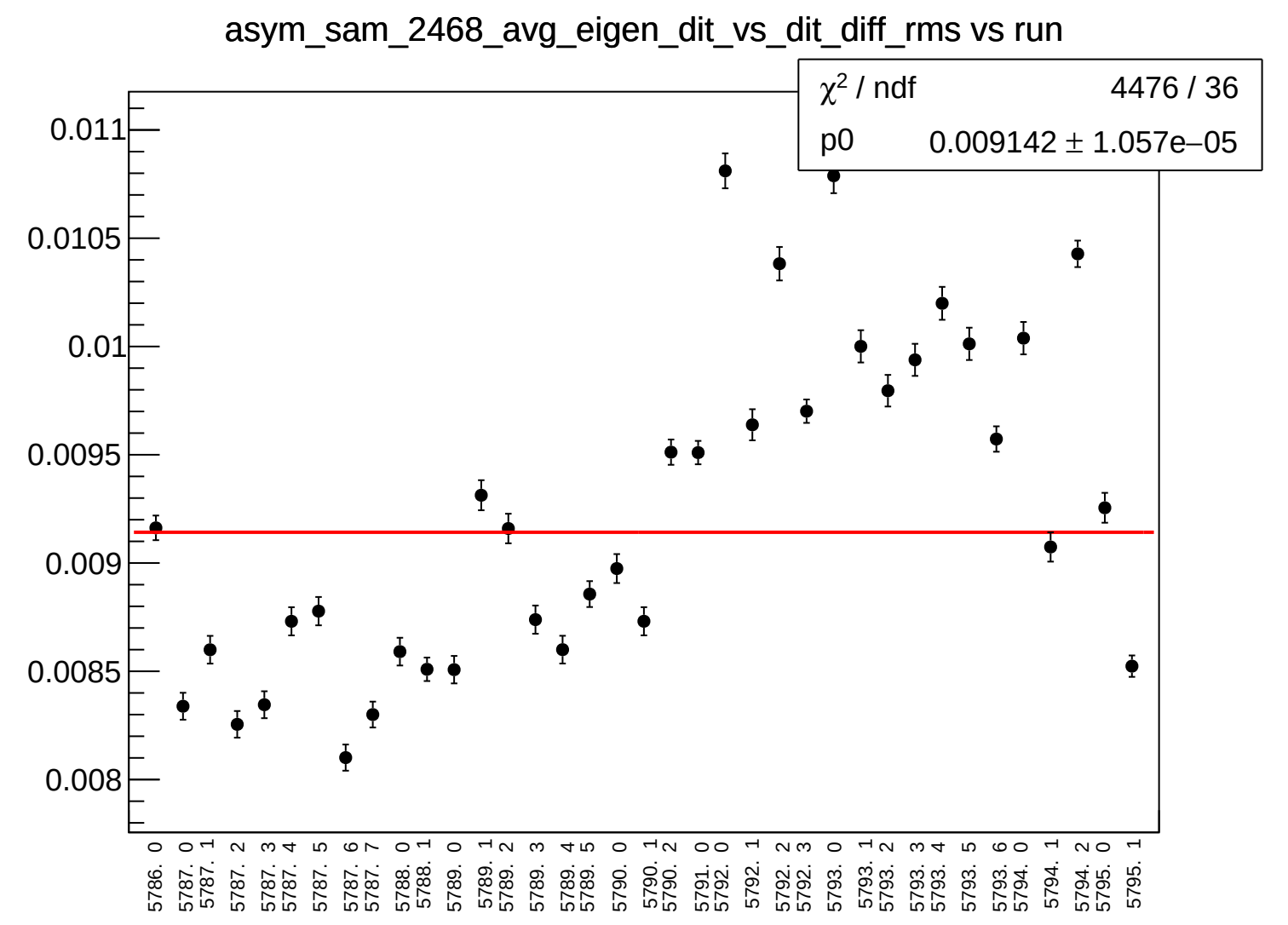

asym_sam_2468_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.54 / 36
p0 0.0672 ± 0.1188
pull
Entries 37
Mean −136
Std Dev 0

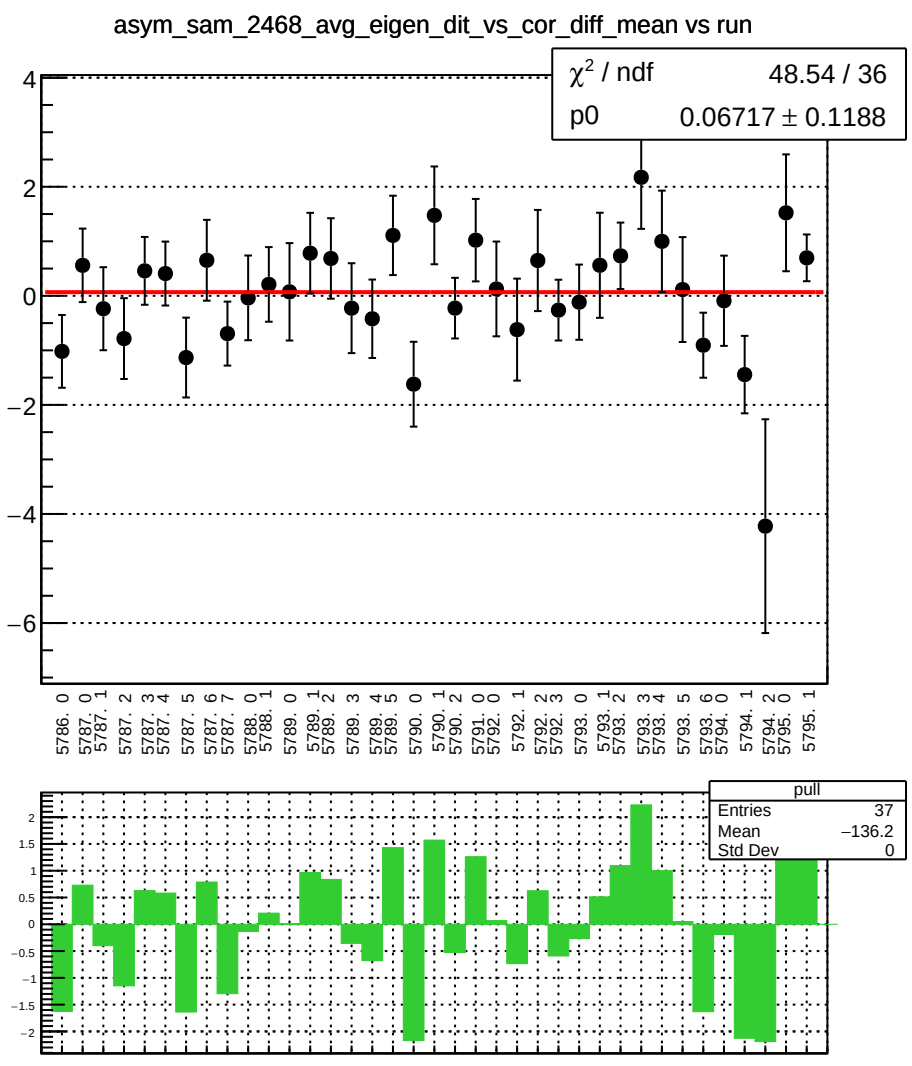

pull1D
Entries 37
Mean −0.007666
Std Dev 1.145

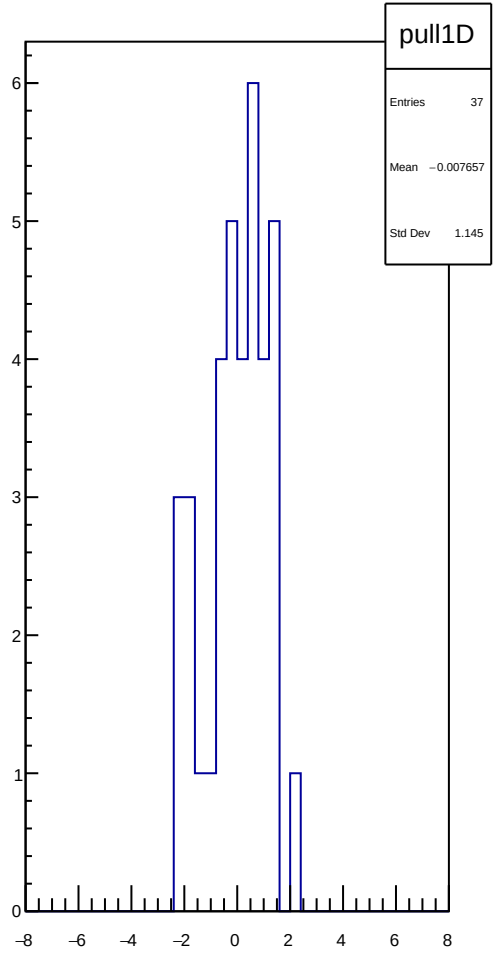

asym_sam_2468_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 36
p0 71.27 ± 0.084
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

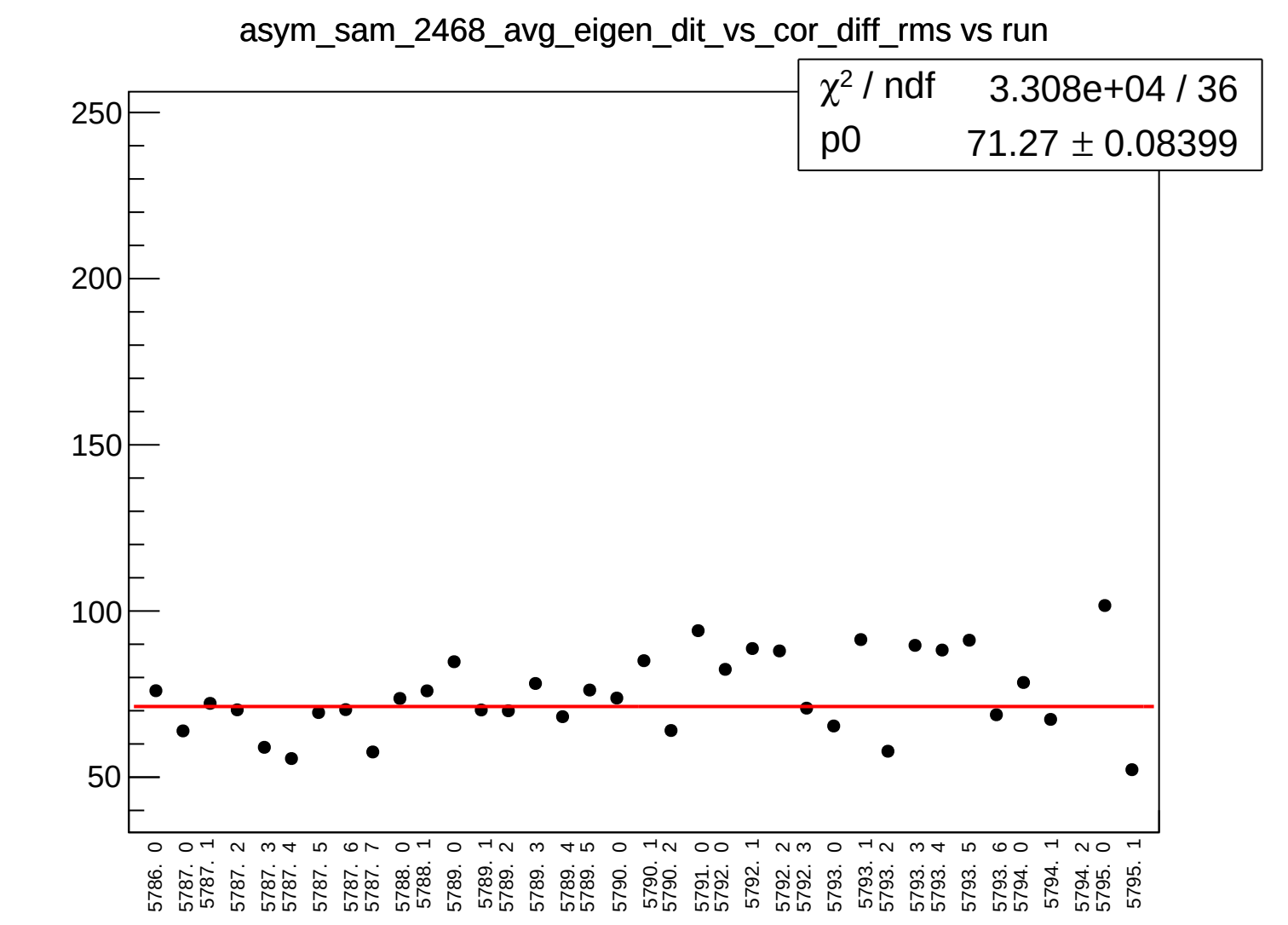

asym_sam_2468_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.3 / 36
p0 −2.415e−05 ± 1.494e−05
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −105
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

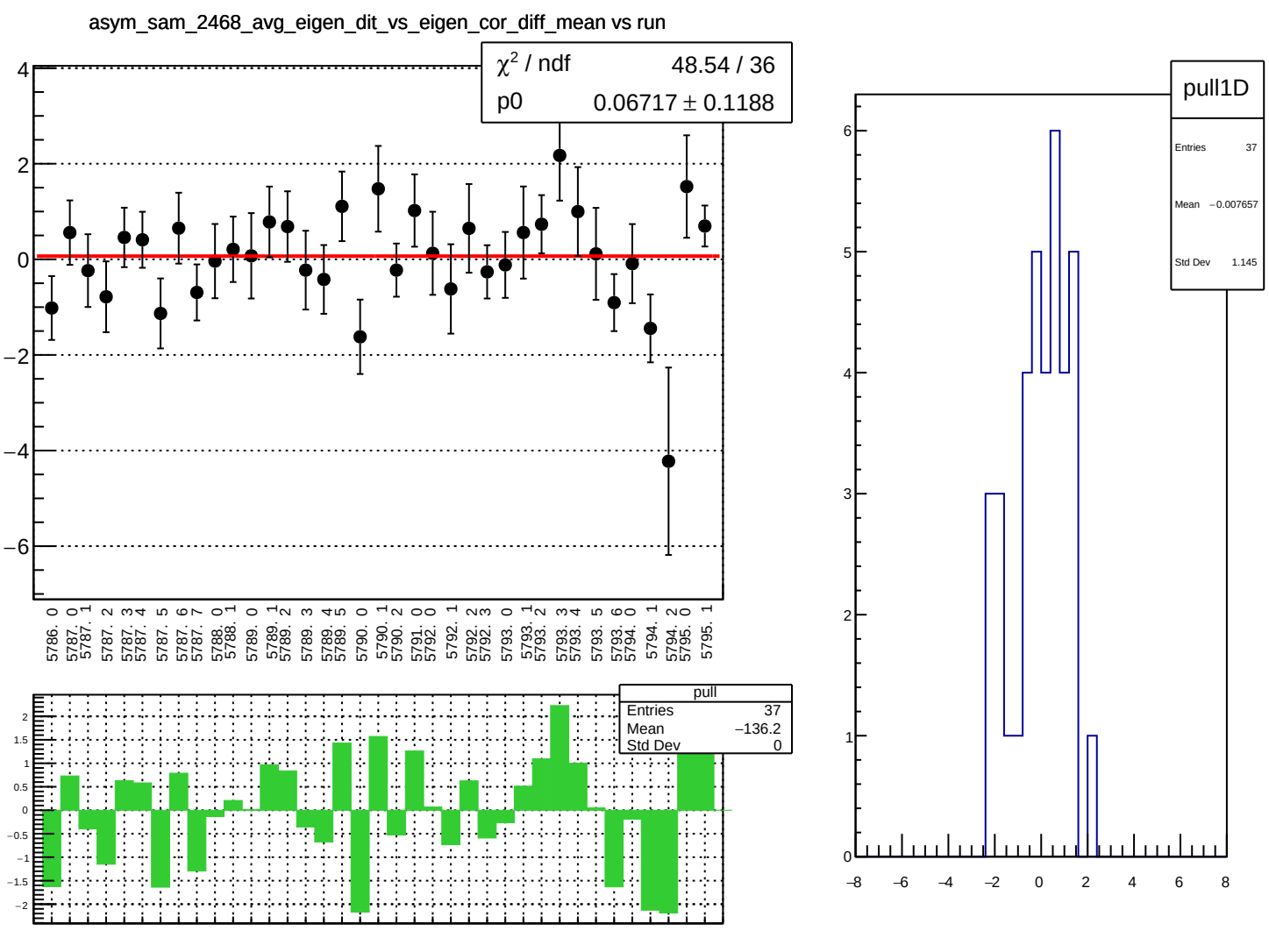

pull1D
Entries 37
Mean −0.007687
Std Dev 1.044
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

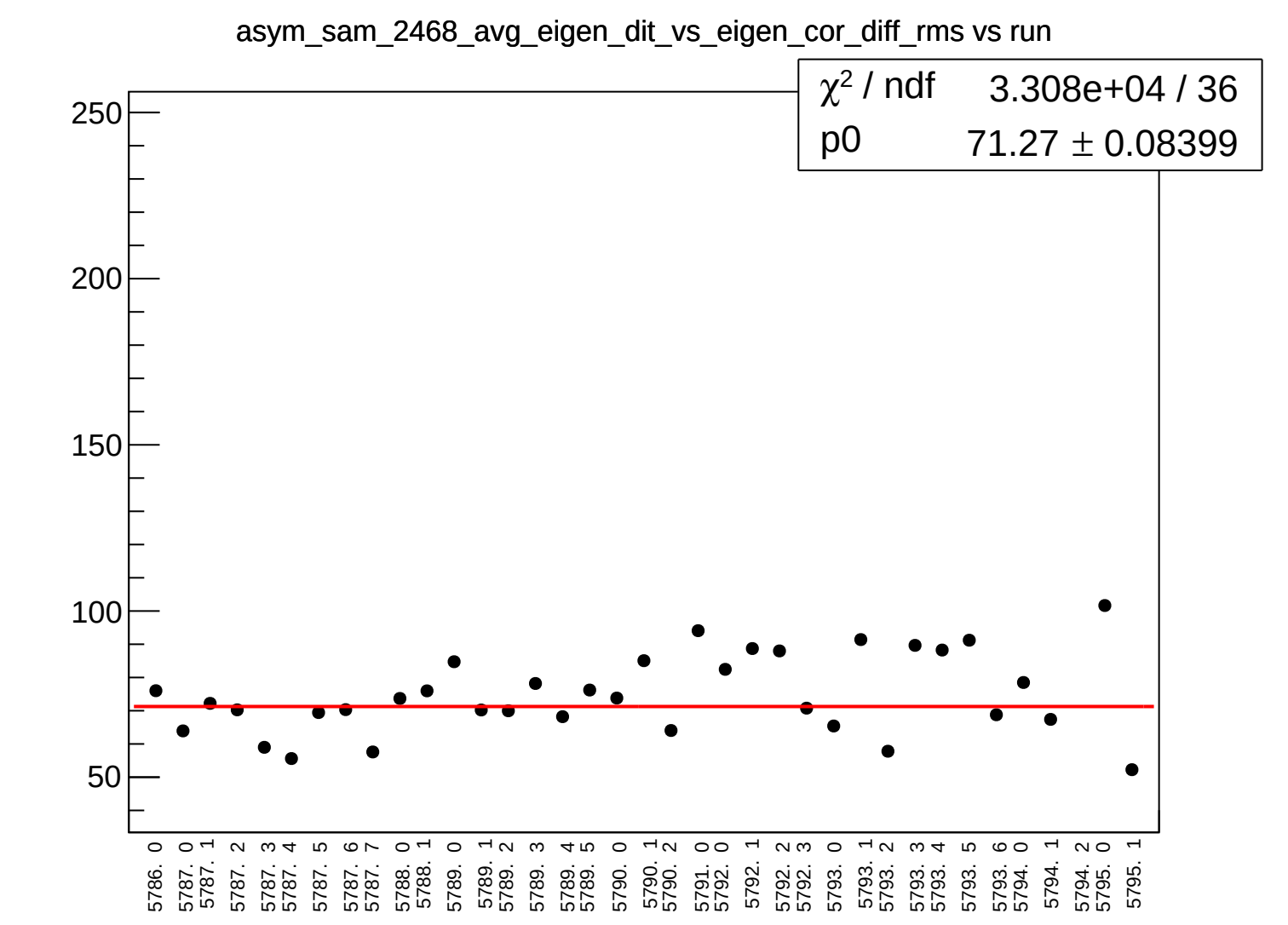

asym_sam_2468_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4476 / 36
p0 0.009142 ± 1.057e−05
0.011
0.0105
0.01
0.0095
0.009
0.0085
0.008
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

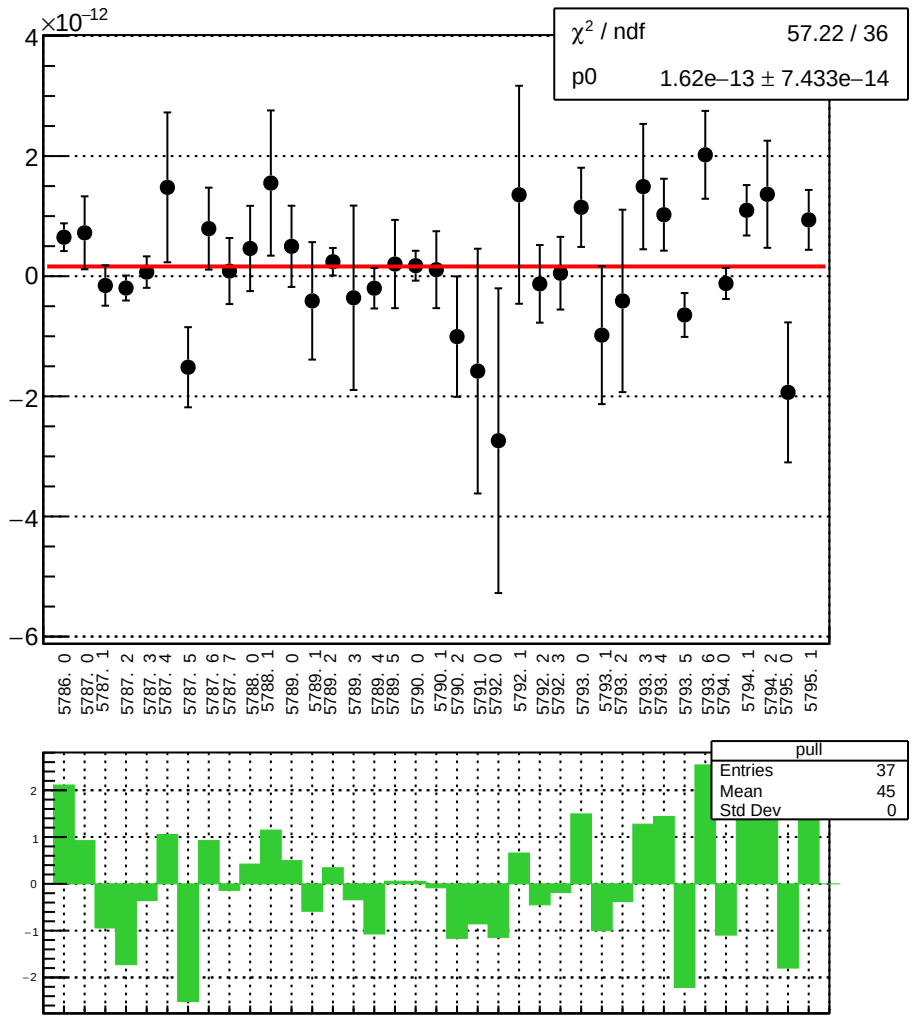

asym_sam_2468_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 48.54 / 36
p0 0.06717 ± 0.1188
pull
Entries 37
Mean −136.2
Std Dev 0

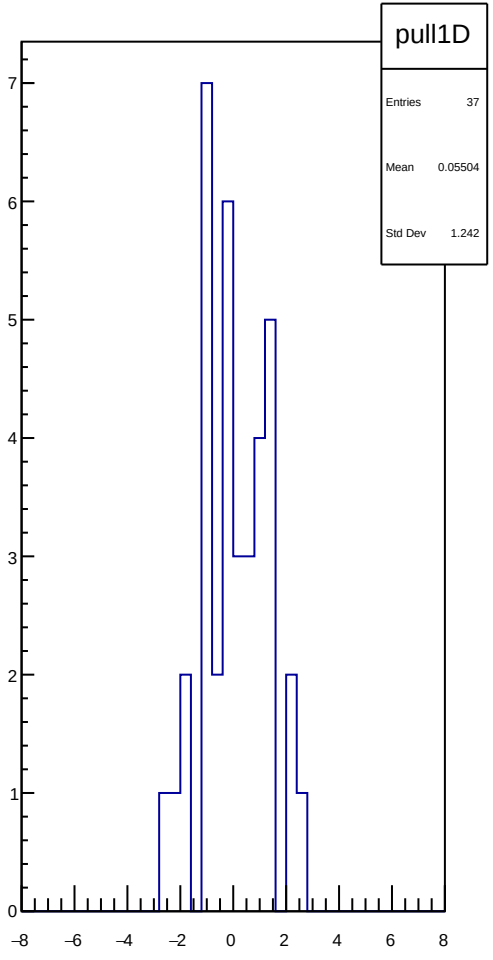

pull1D
Entries 37
Mean −0.007657
Std Dev 1.145

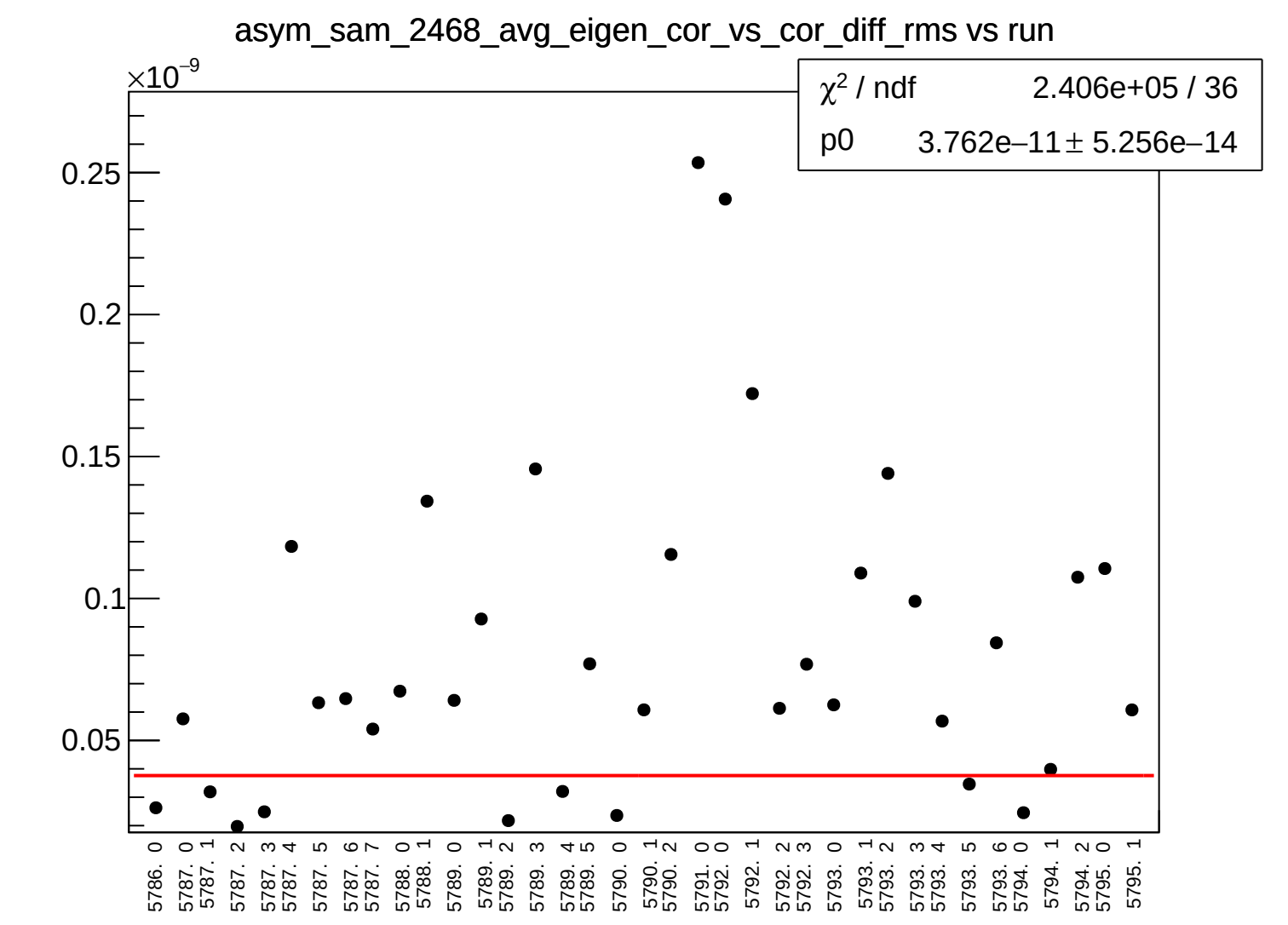

asym_sam_2468_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 36
p0 71.27 ± 0.08399
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

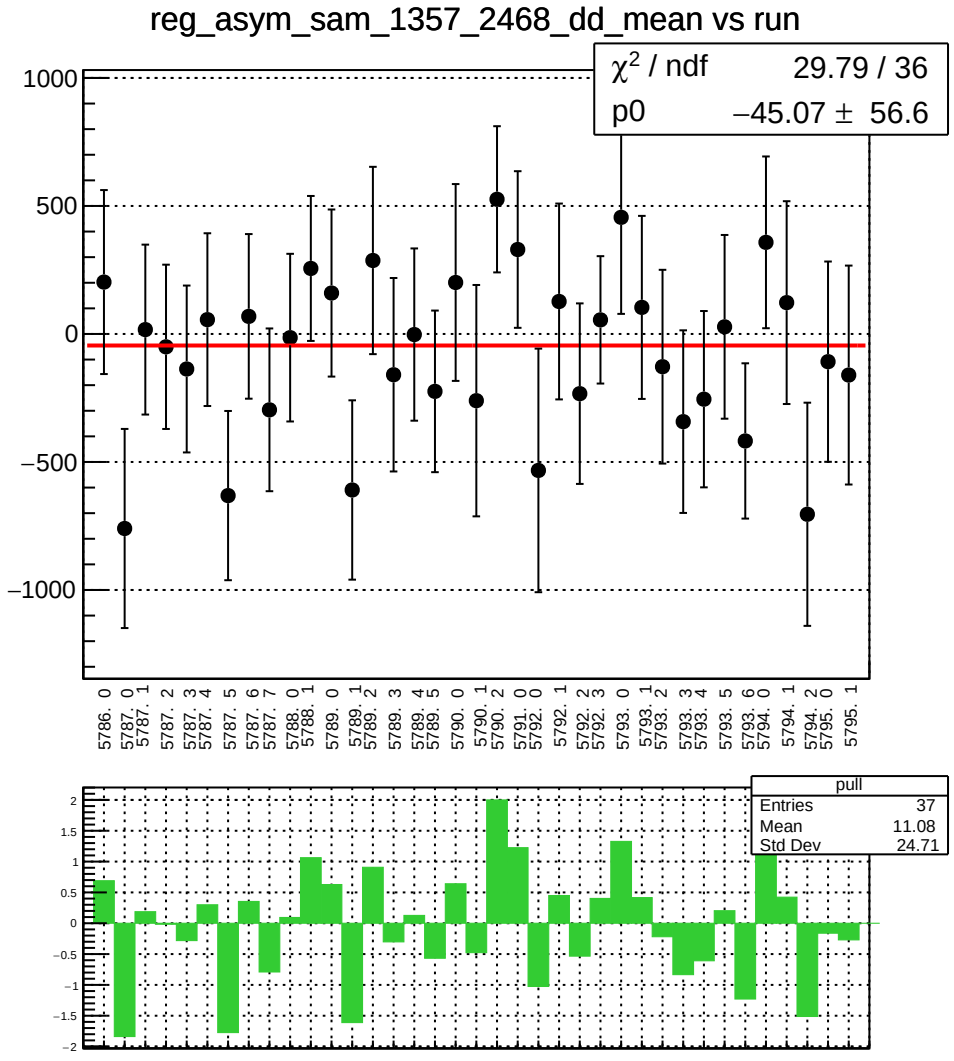

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 48.54 / 36
p0 0.06717 ± 0.1188
pull
Entries 37
Mean −136.2
Std Dev 0
pull1D
Entries 37
Mean −0.007657
Std Dev 1.145

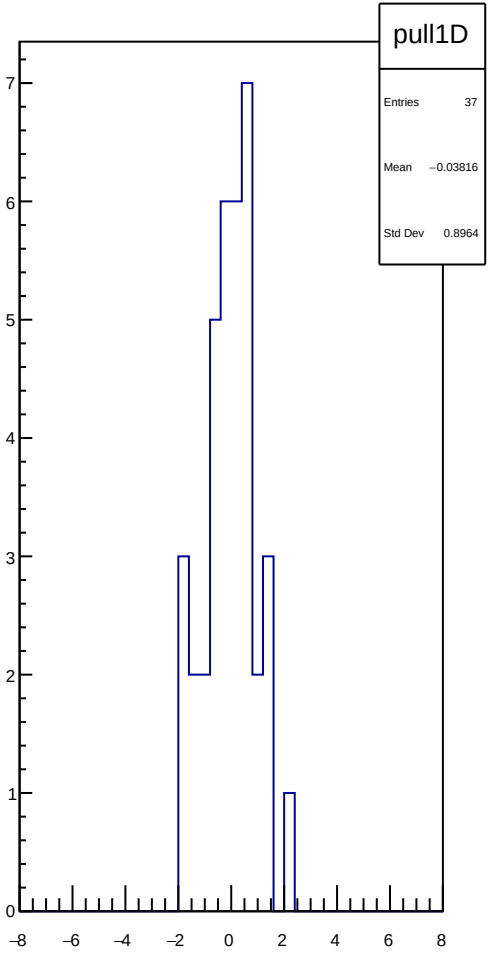

asym_sam_2468_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.308e+04 / 36
p0 71.27 ± 0.08399
250
200
150
100
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

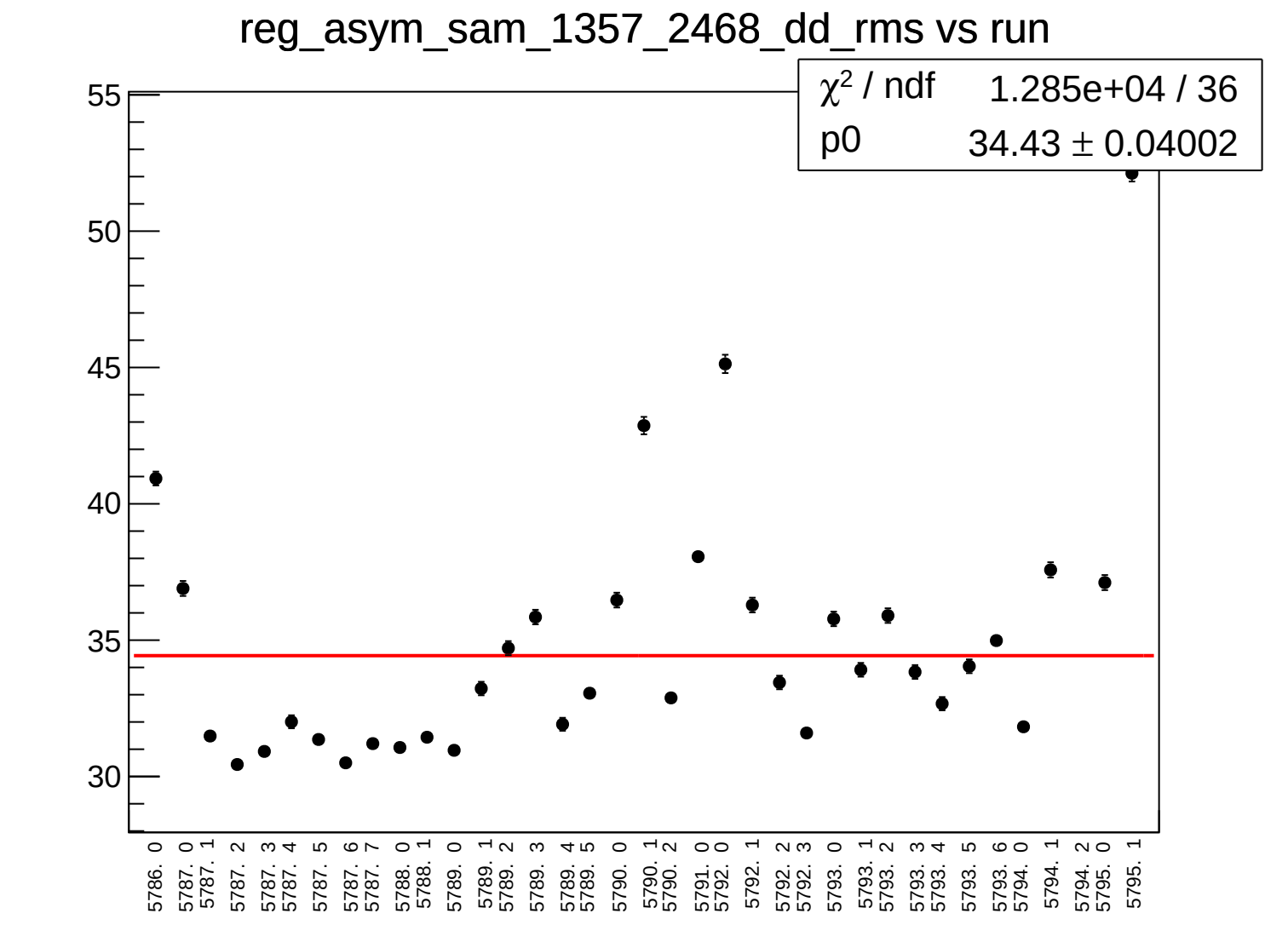

asym_sam_2468_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 57.22 / 36
p0 1.62e−13 ± 7.433e−14
pull
Entries 37
Mean 45
Std Dev 0

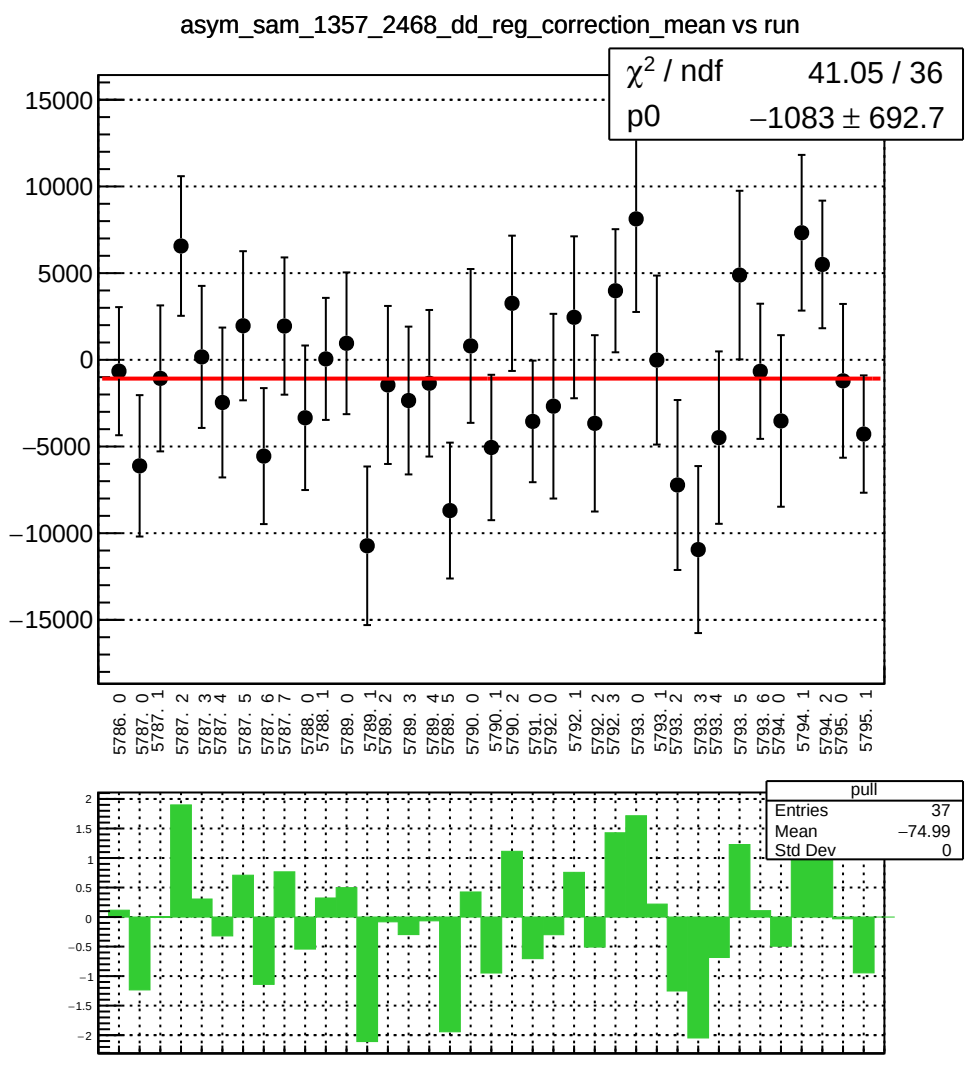

pull1D
Entries 37
Mean 0.05504
Std Dev 1.242

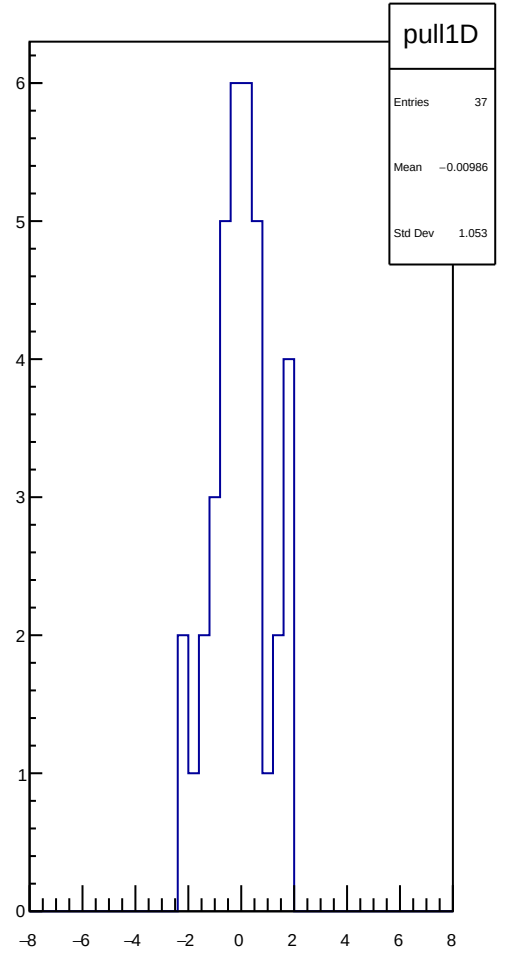

asym_sam_2468_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 2.406e+05 / 36
p0 3.762e−11 ± 5.256e−14
0.25
0.2
0.15
0.1
0.05
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

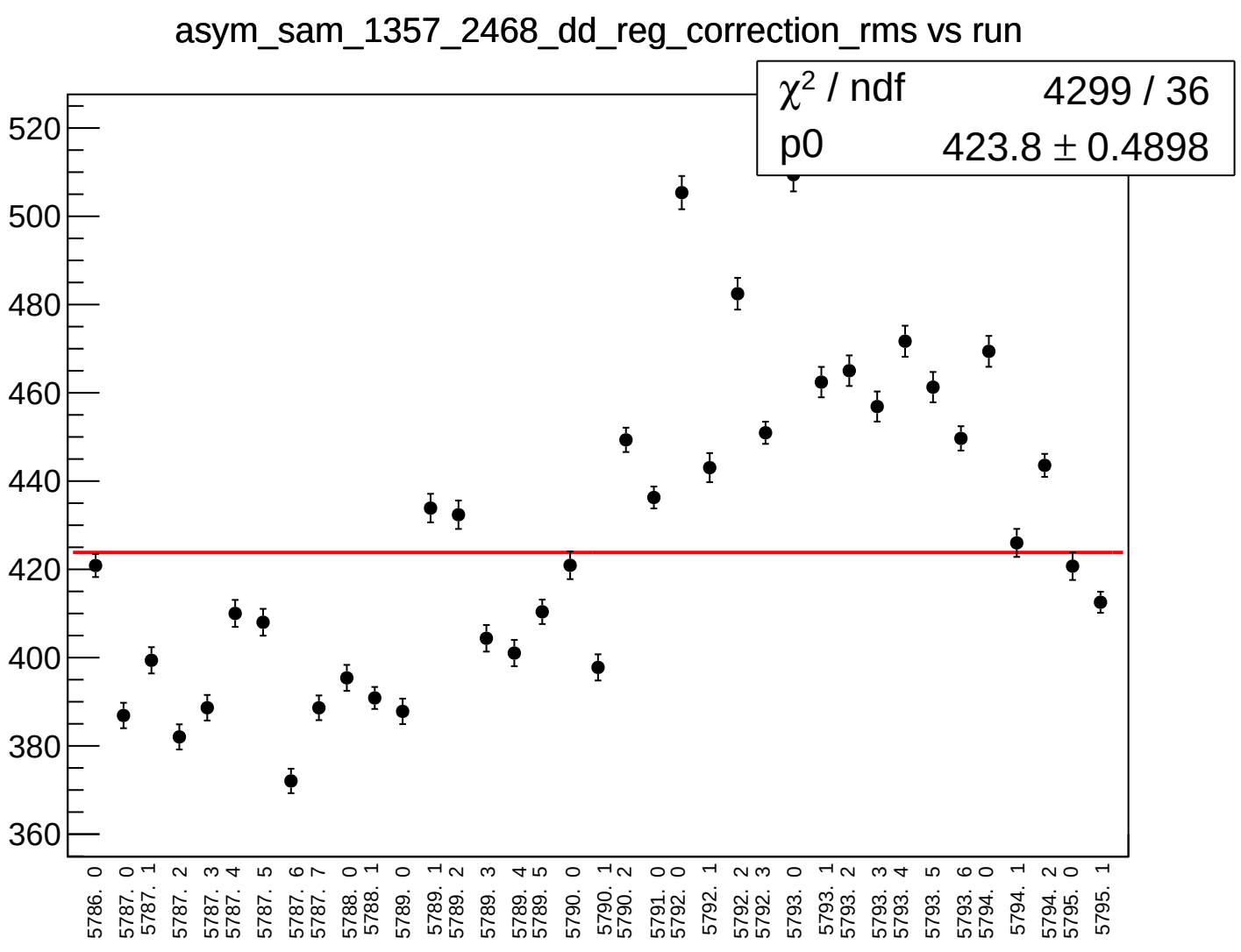

reg_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.79 / 36
p0 −45.07 ± 56.6
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.08
Std Dev 24.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

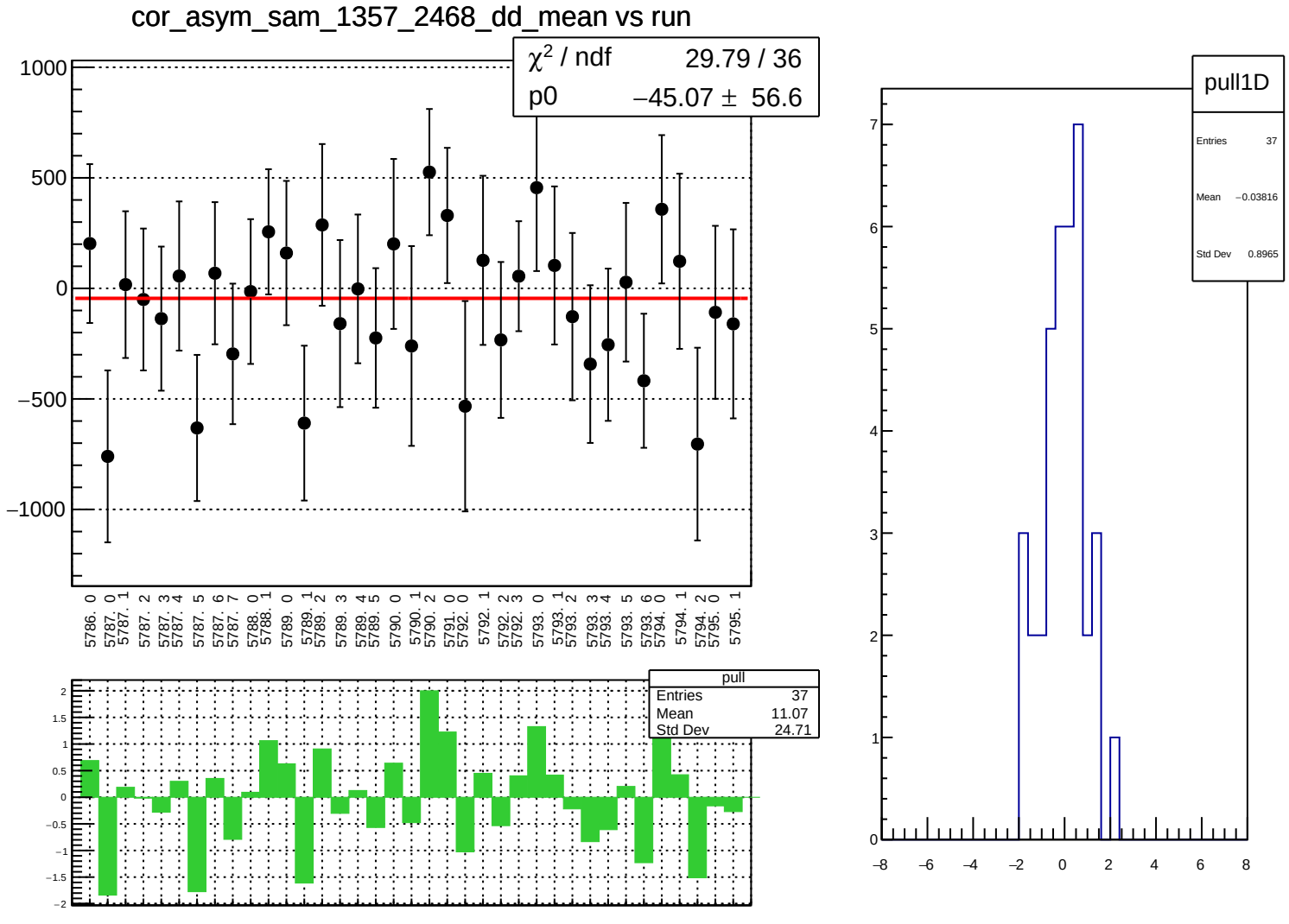

pull1D
Entries 37
Mean −0.03816
Std Dev 0.8964
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

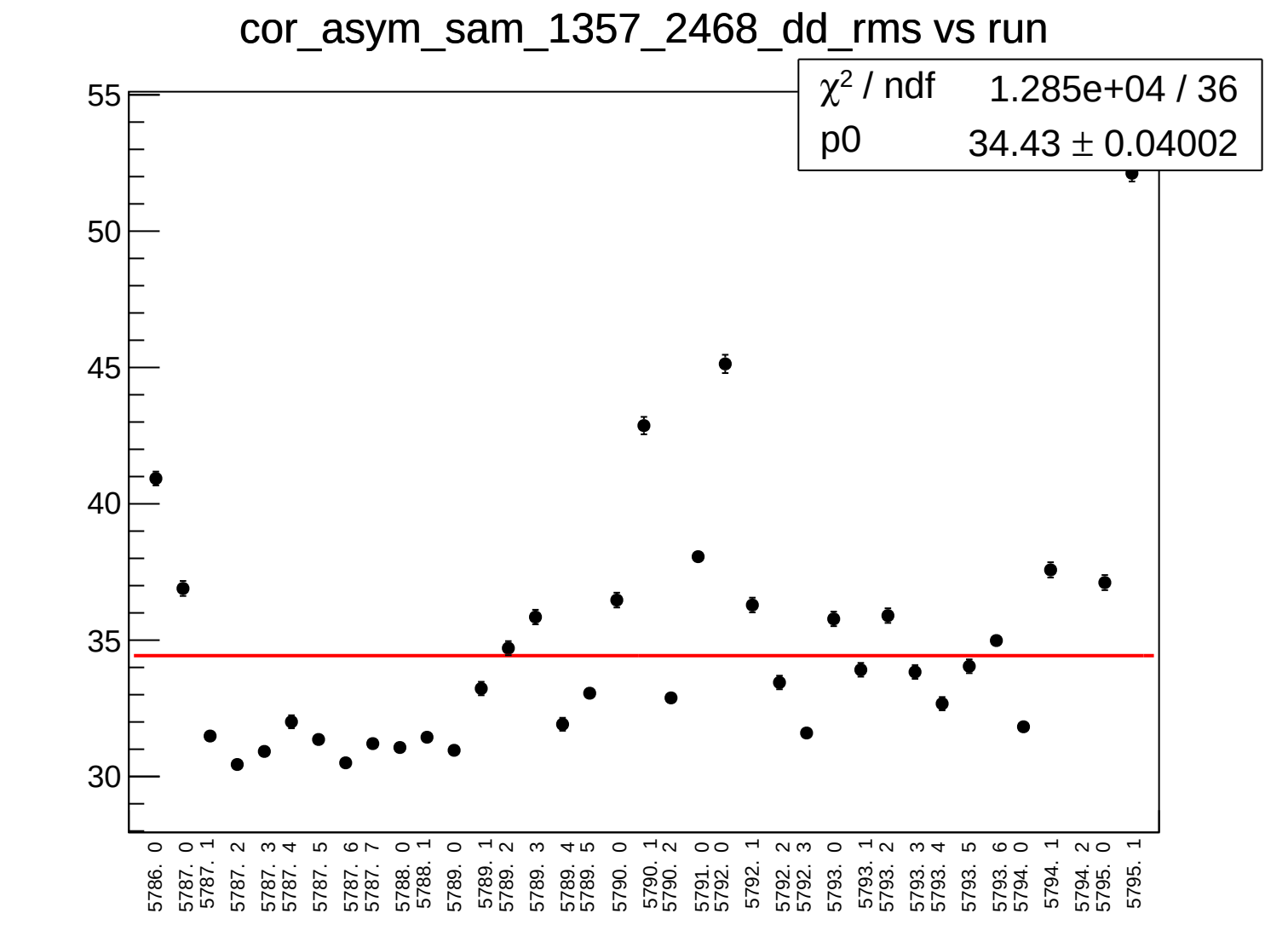

reg_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.285e+04 / 36
p0 34.43 ± 0.04002
55
50
45
40
35
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

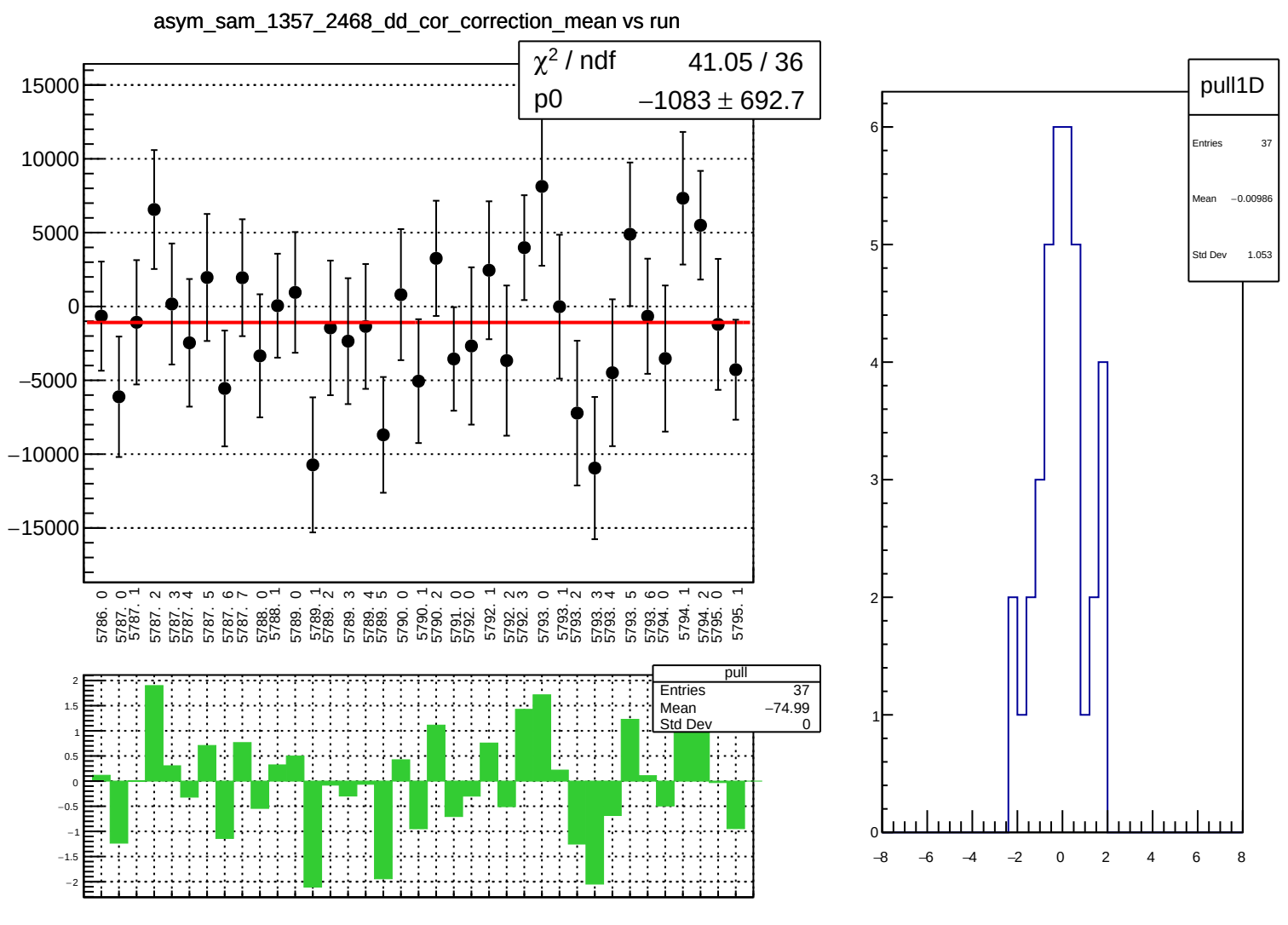

asym_sam_1357_2468_dd_reg_correction_mean vs run
χ² / ndf 41.05 / 36
p0 −1083 ± 692.7
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −74.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

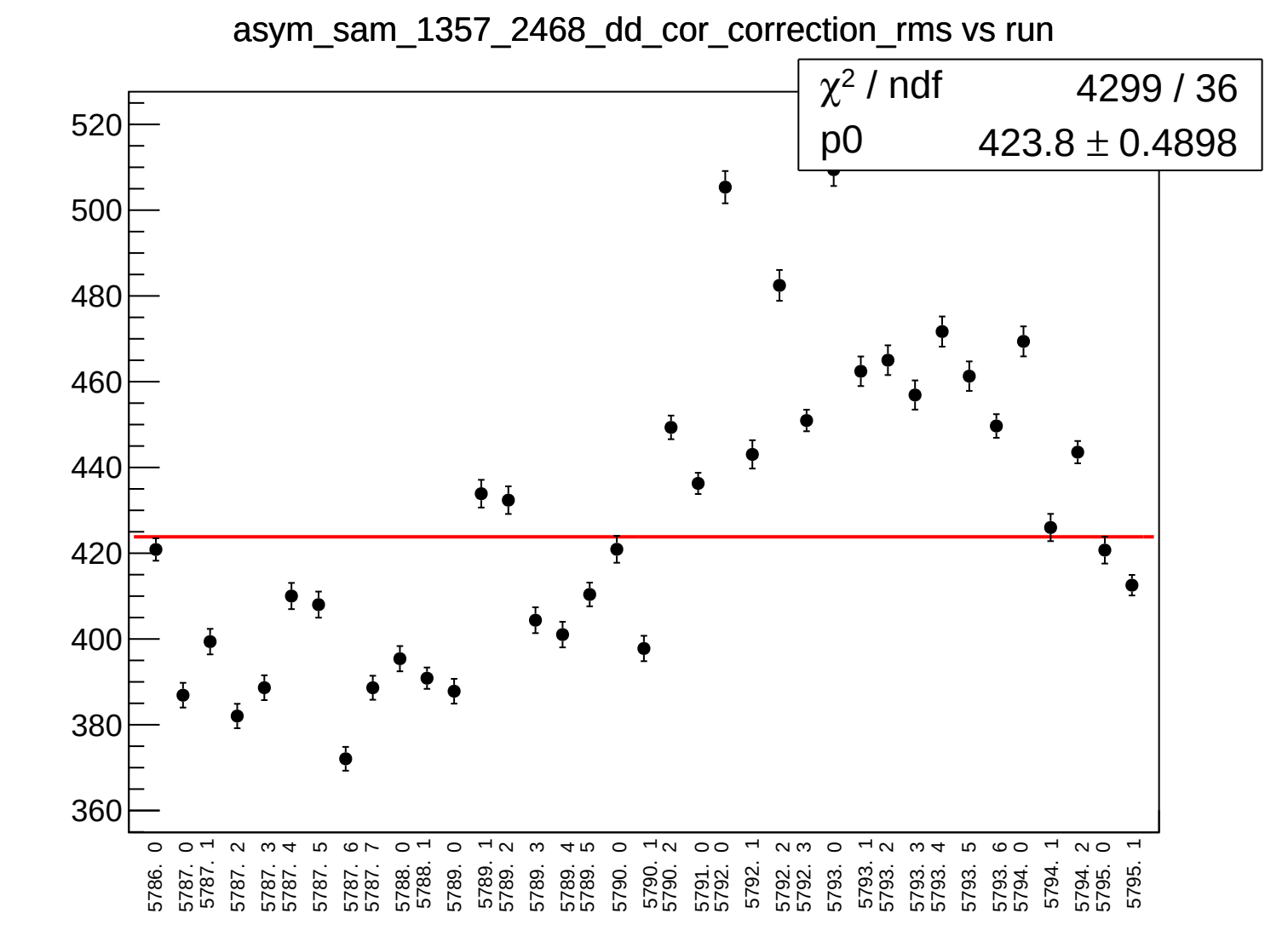

pull1D
Entries 37
Mean −0.00986
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

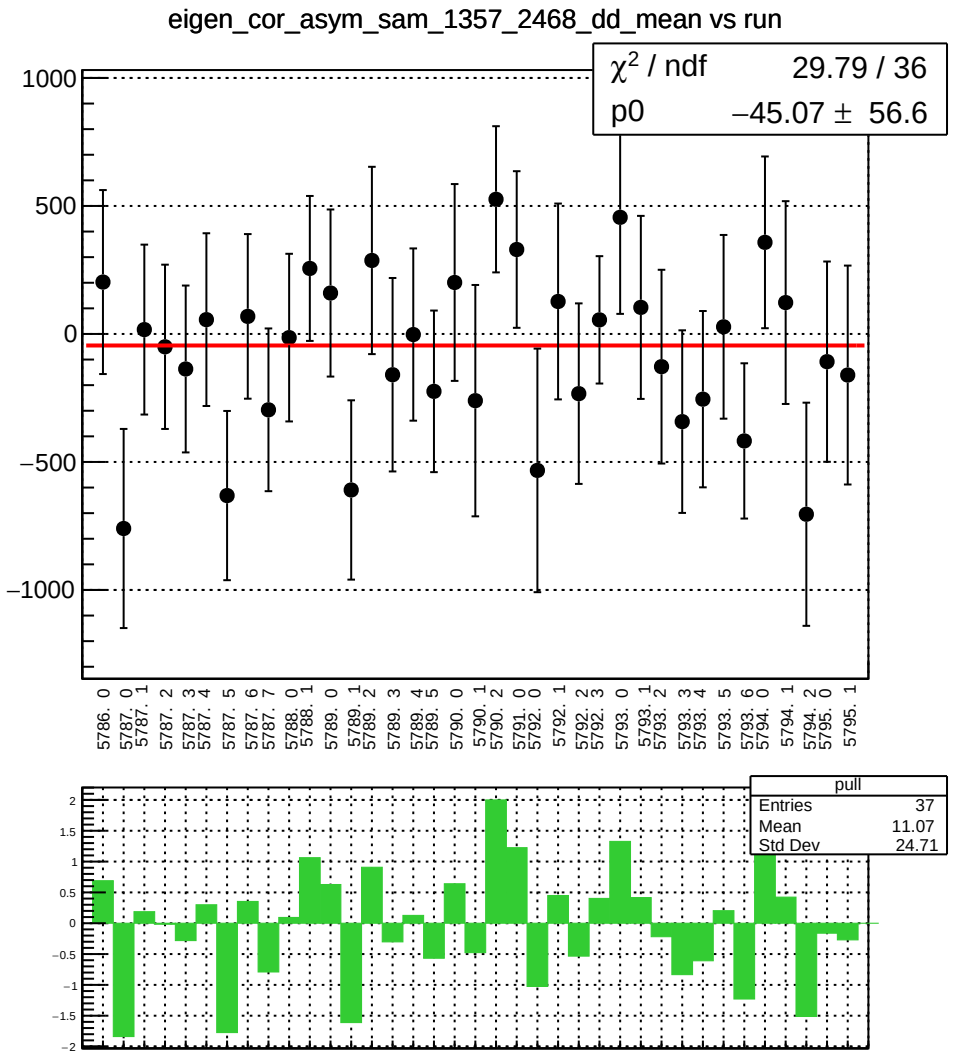

asym_sam_1357_2468_dd_reg_correction_rms vs run
χ² / ndf 4299 / 36
p0 423.8 ± 0.4898
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

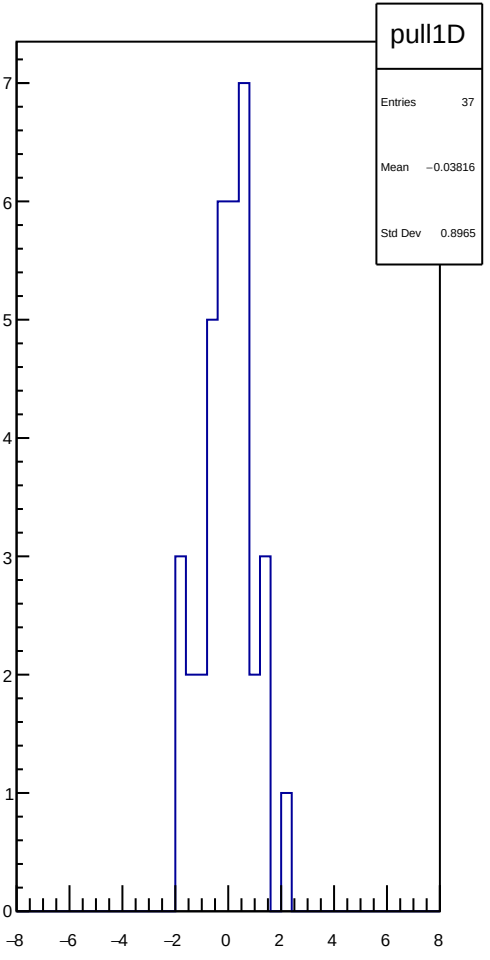

cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.79 / 36
p0 −45.07 ± 56.6
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.07
Std Dev 24.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.03816
Std Dev 0.8965
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

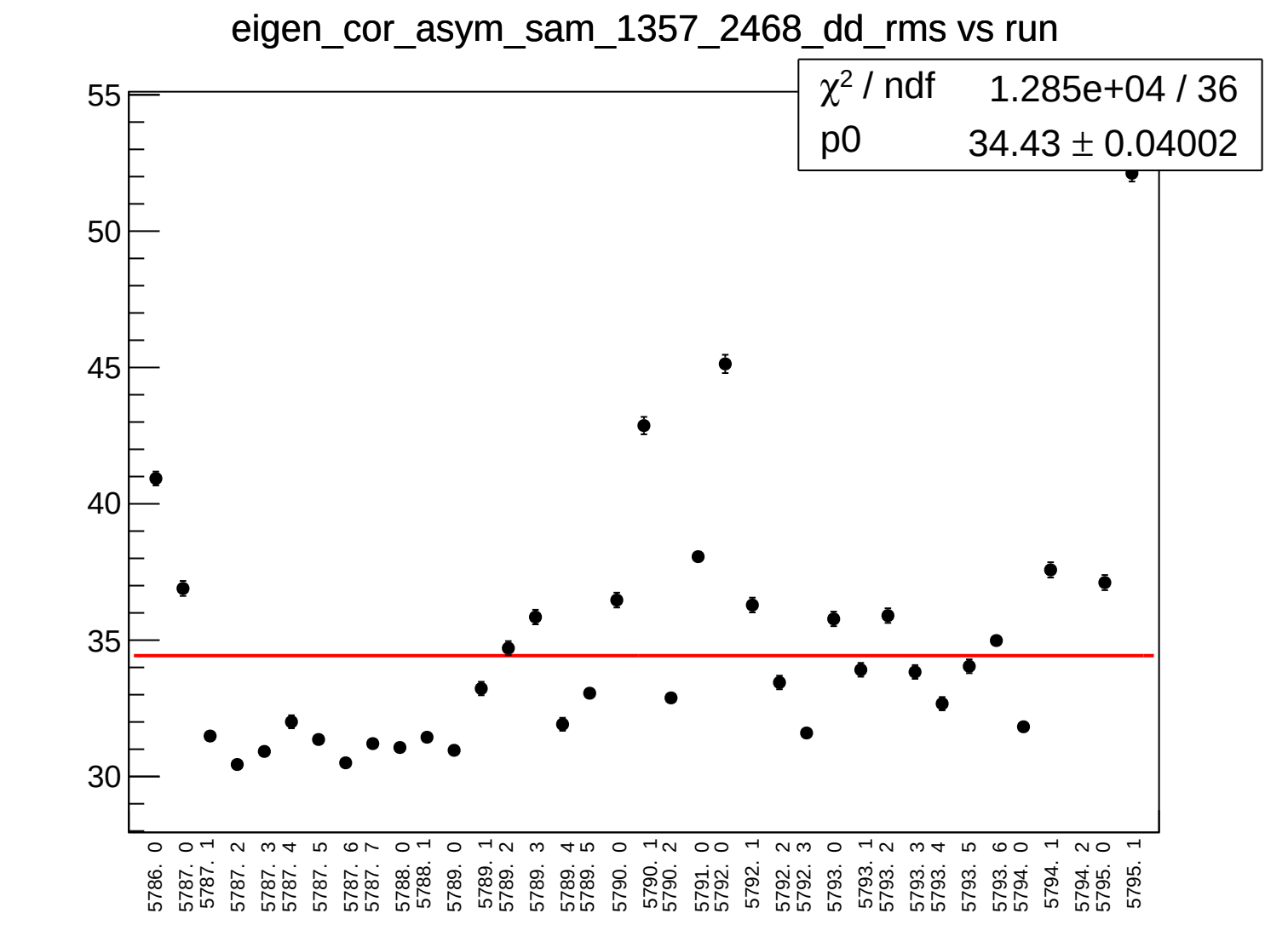

cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.285e+04 / 36
p0 34.43 ± 0.04002
55
50
45
40
35
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

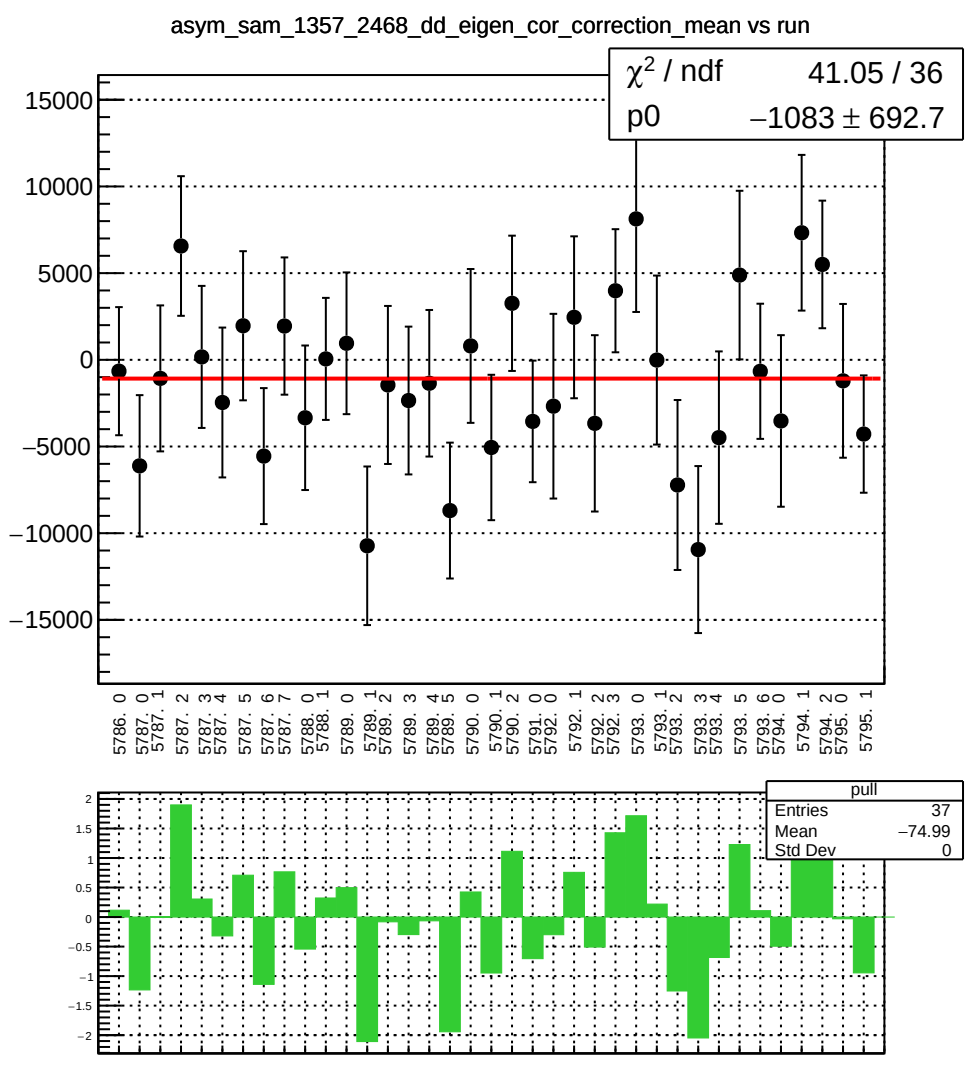

asym_sam_1357_2468_dd_cor_correction_mean vs run
χ² / ndf 41.05 / 36
p0 −1083 ± 692.7
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −74.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.00986
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

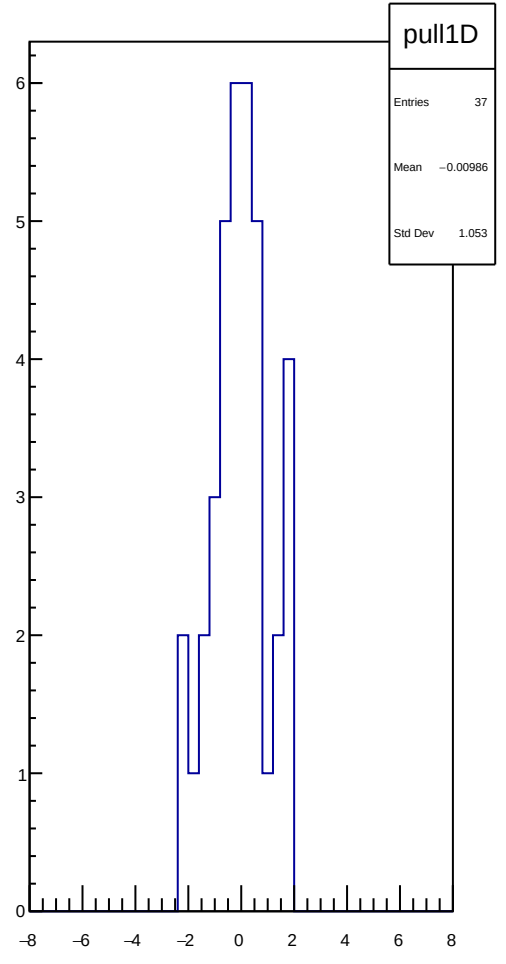

asym_sam_1357_2468_dd_cor_correction_rms vs run
χ² / ndf 4299 / 36
p0 423.8 ± 0.4898
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

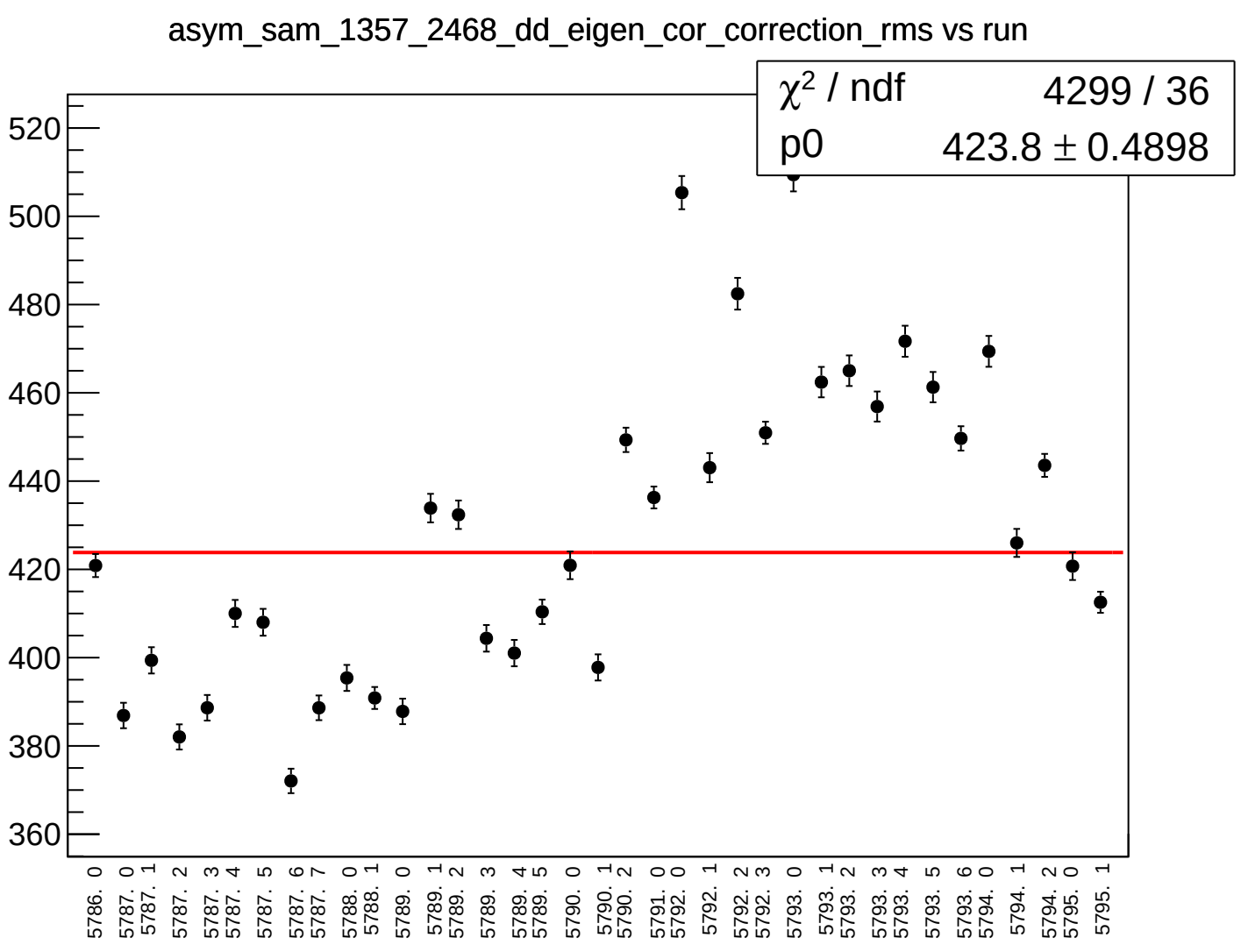

eigen_cor_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 29.79 / 36
p0 −45.07 ± 56.6
1000
500
0
−500
−1000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 11.07
Std Dev 24.71
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

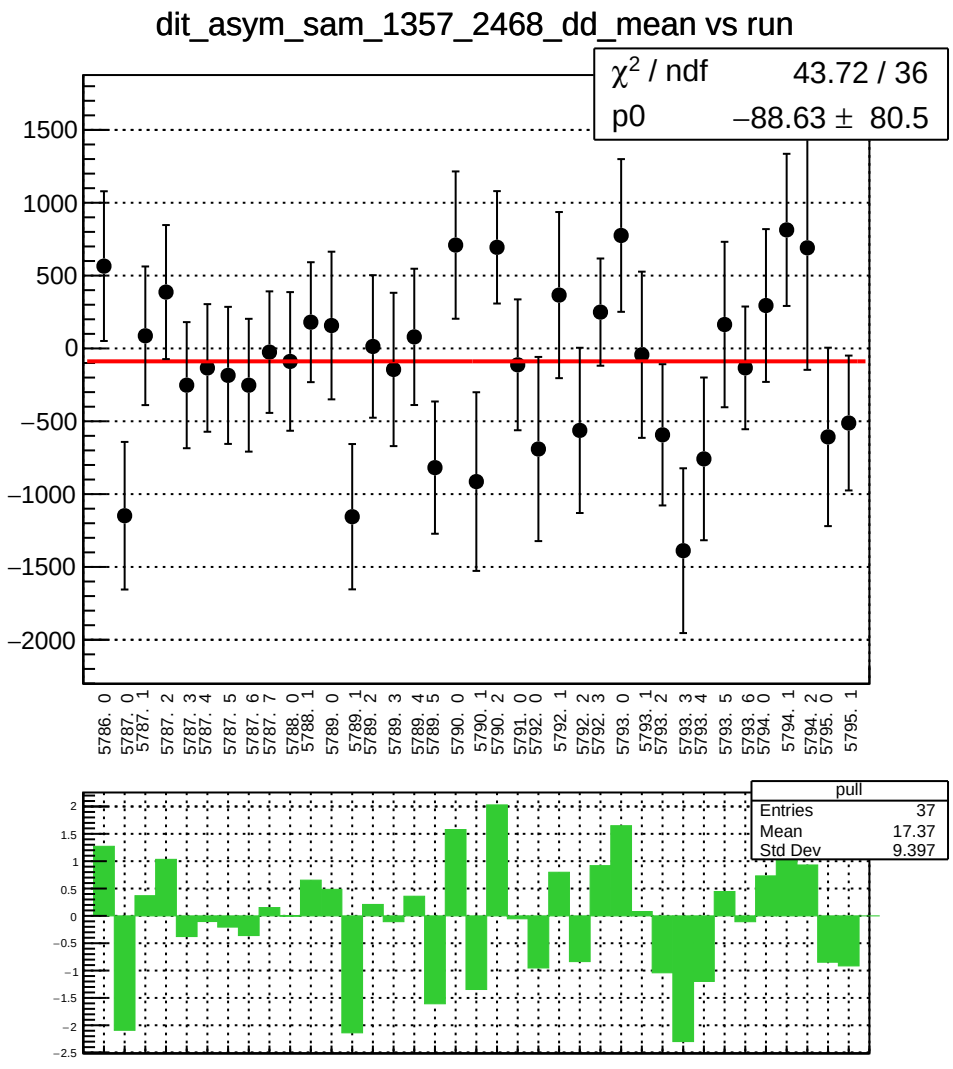

pull1D
Entries 37
Mean −0.03816
Std Dev 0.8965
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

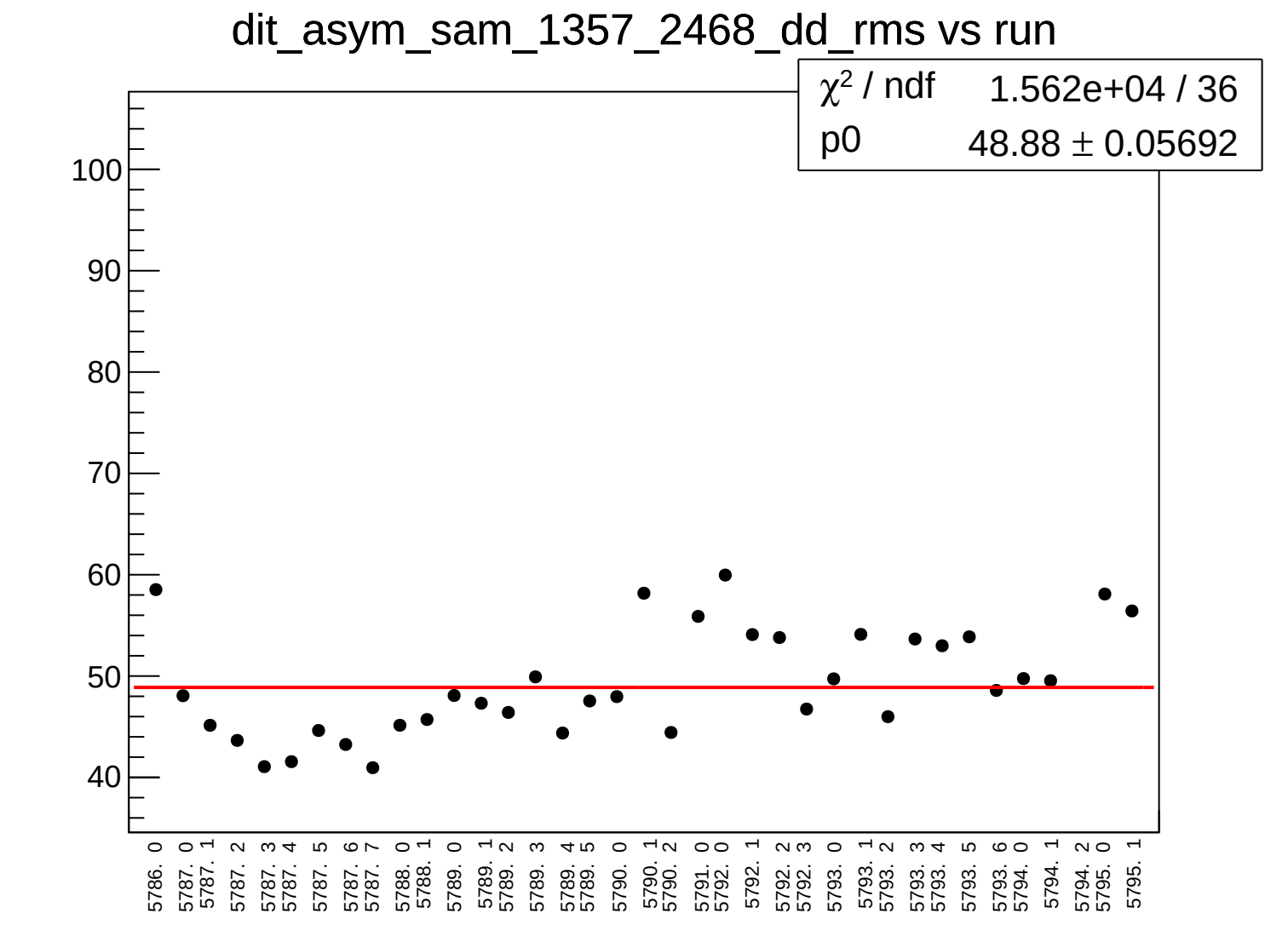

eigen_cor_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.285e+04 / 36
p0 34.43 ± 0.04002
55
50
45
40
35
30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

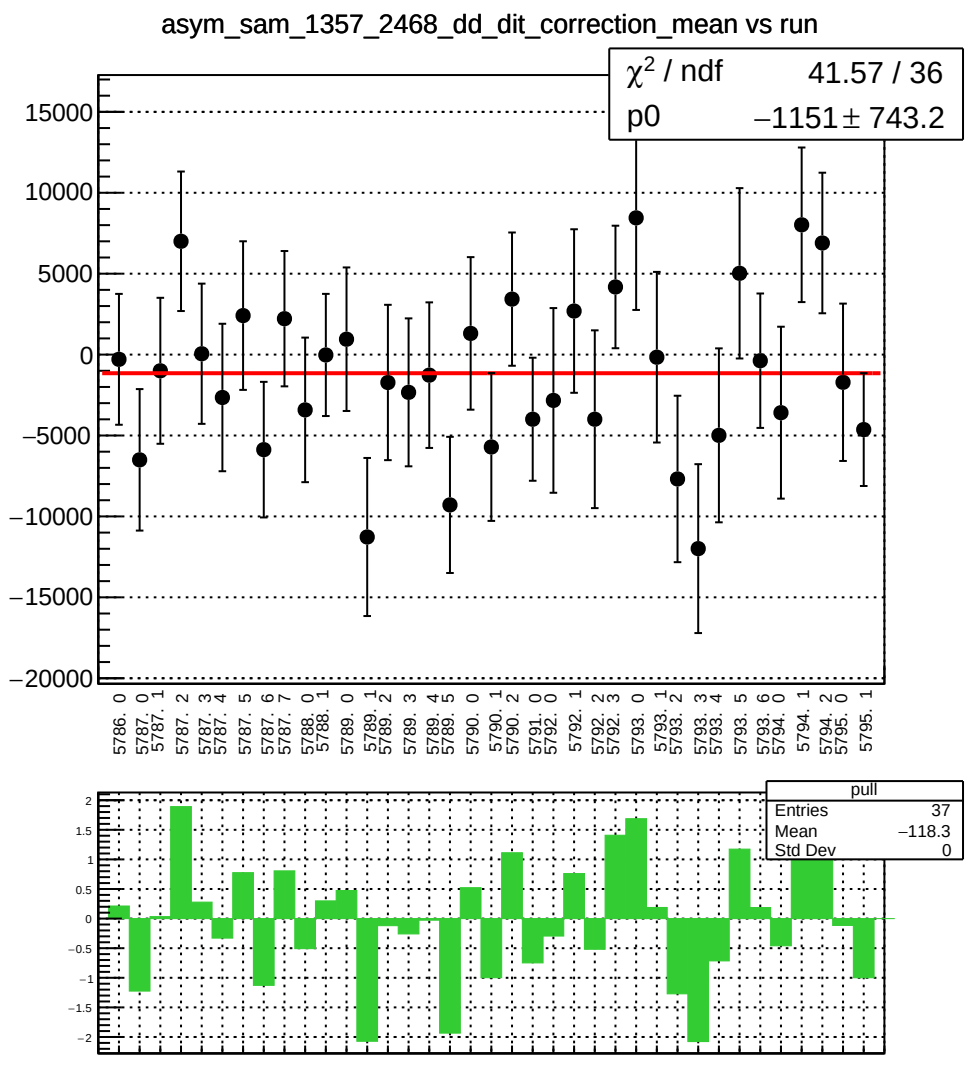

asym_sam_1357_2468_dd_eigen_cor_correction_mean vs run
χ² / ndf 41.05 / 36
p0 −1083 ± 692.7
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −74.99
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

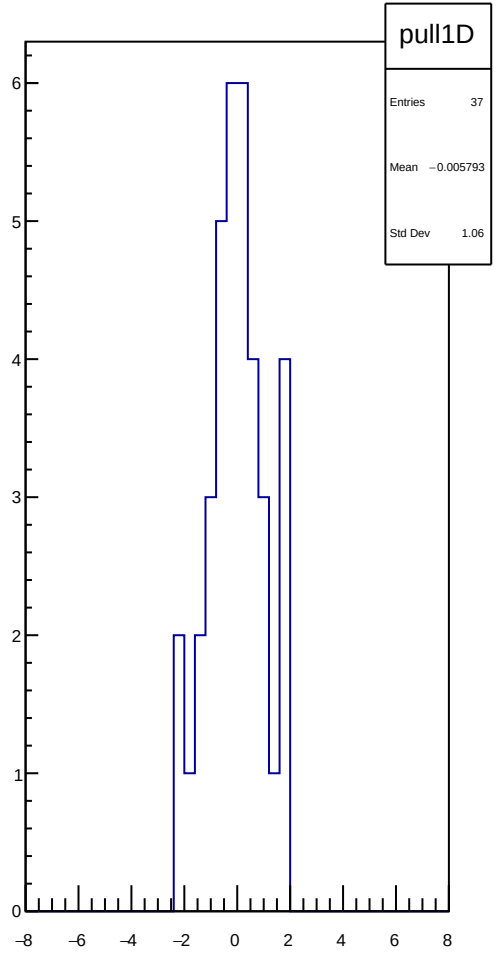

pull1D
Entries 37
Mean −0.00986
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

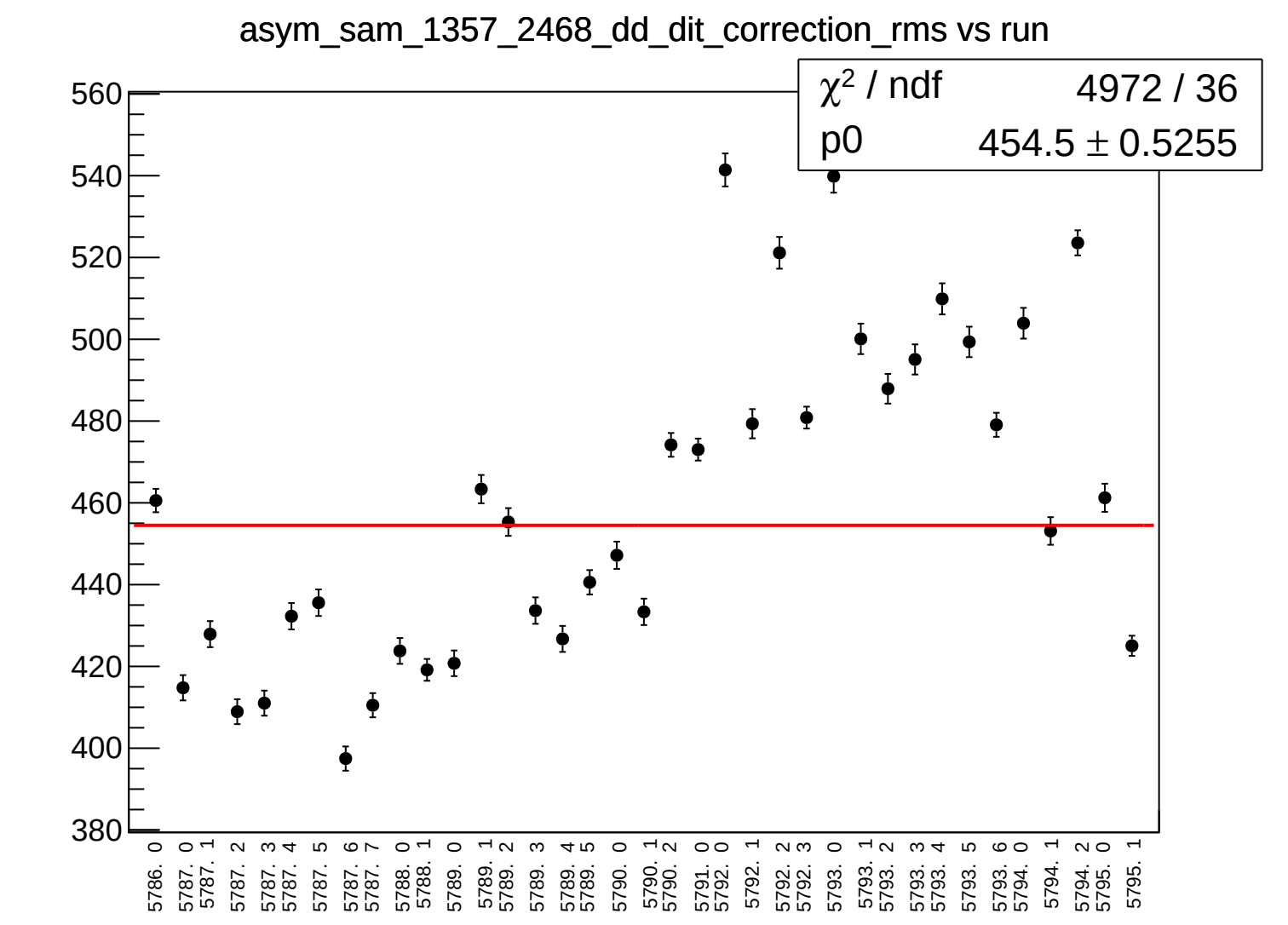

asym_sam_1357_2468_dd_eigen_cor_correction_rms vs run
χ² / ndf 4299 / 36
p0 423.8 ± 0.4898
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

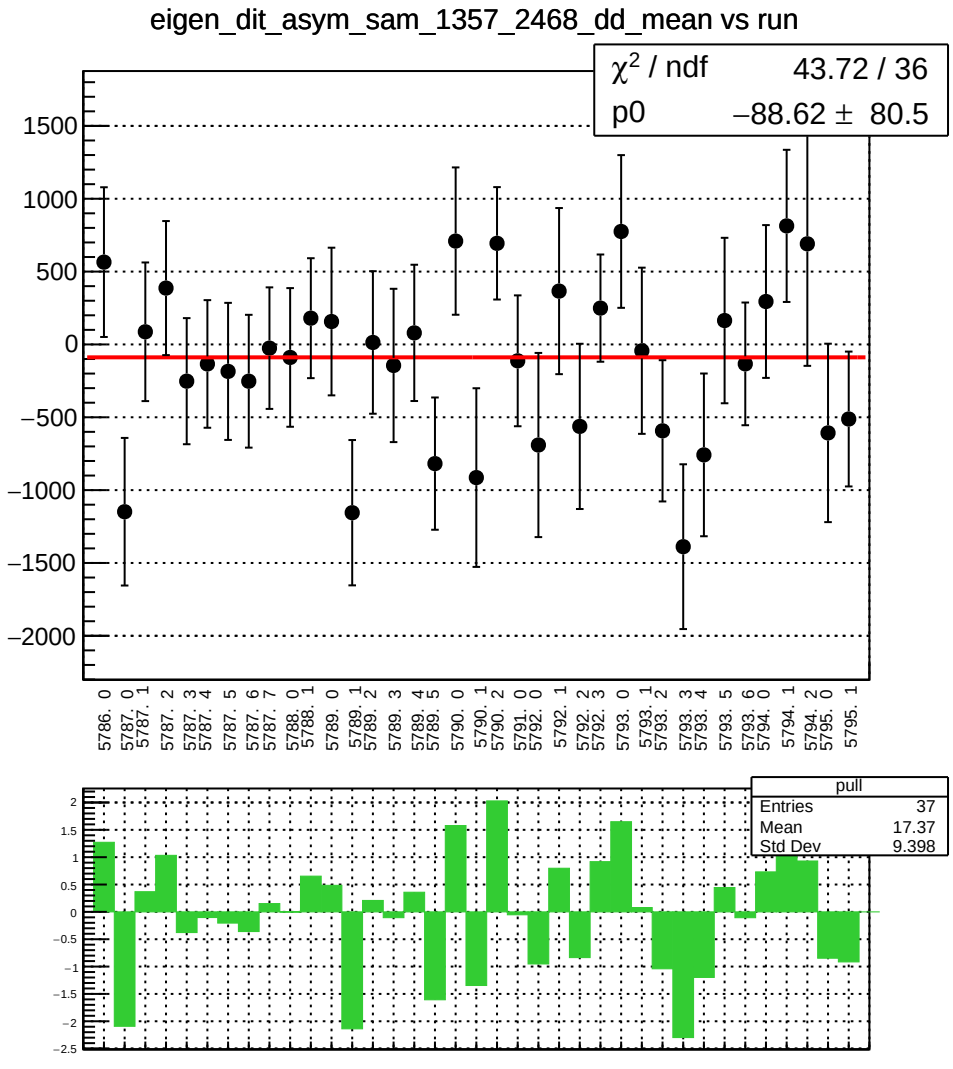

dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 43.72 / 36
p0 −88.63 ± 80.5
1500
1000
500
0
−500
−1000
−1500
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.37
Std Dev 9.397
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.03148
Std Dev 1.087
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

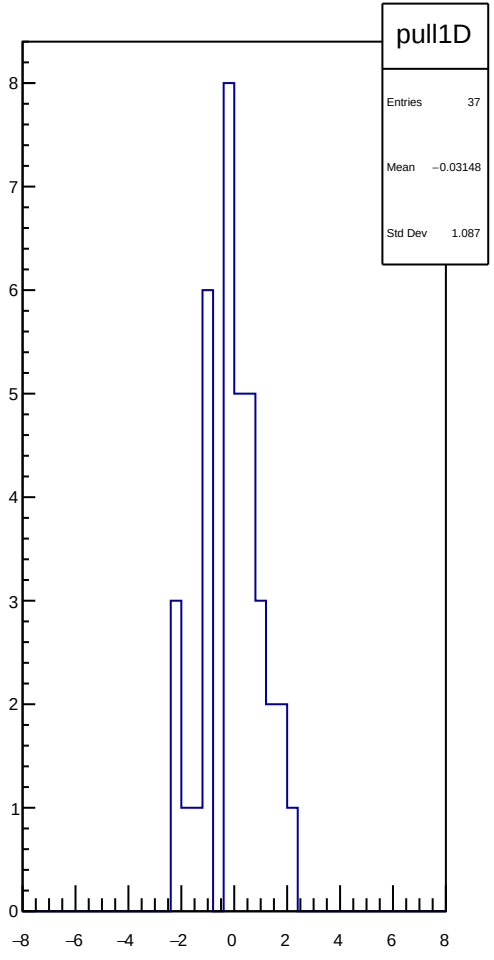

dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.562e+04 / 36
p0 48.88 ± 0.05692
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

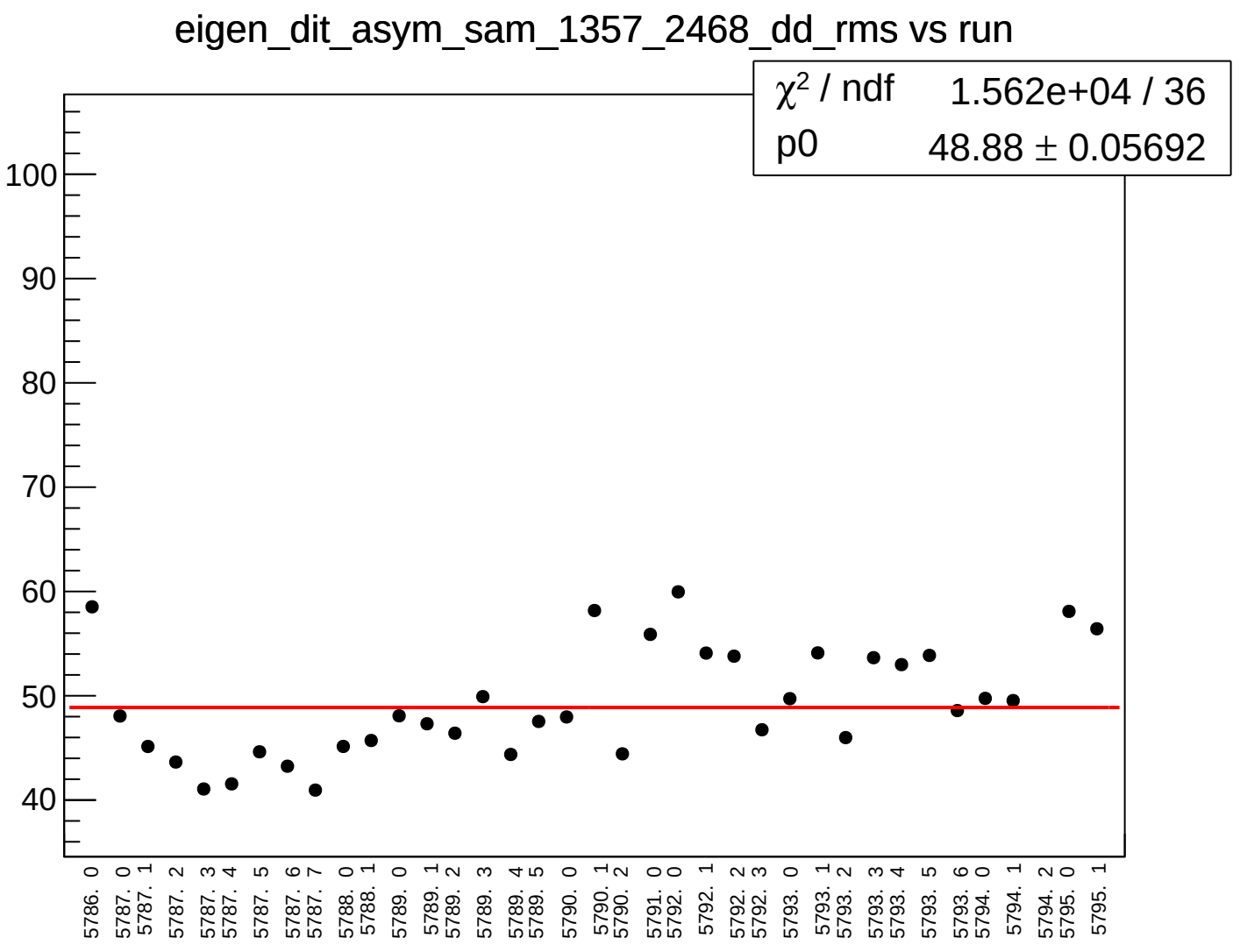

asym_sam_1357_2468_dd_dit_correction_mean vs run
χ² / ndf 41.57 / 36
p0 −1151 ± 743.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −118.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

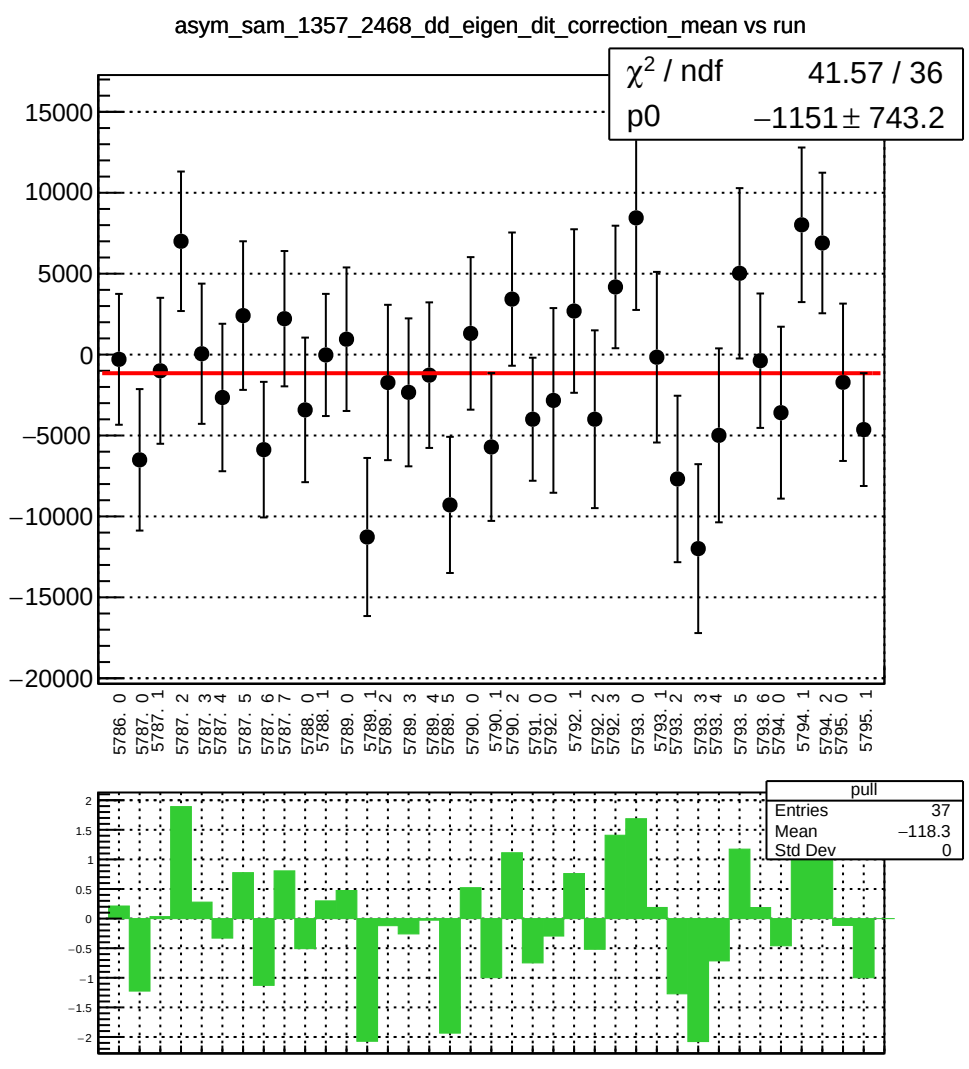

pull1D
Entries 37
Mean −0.005793
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

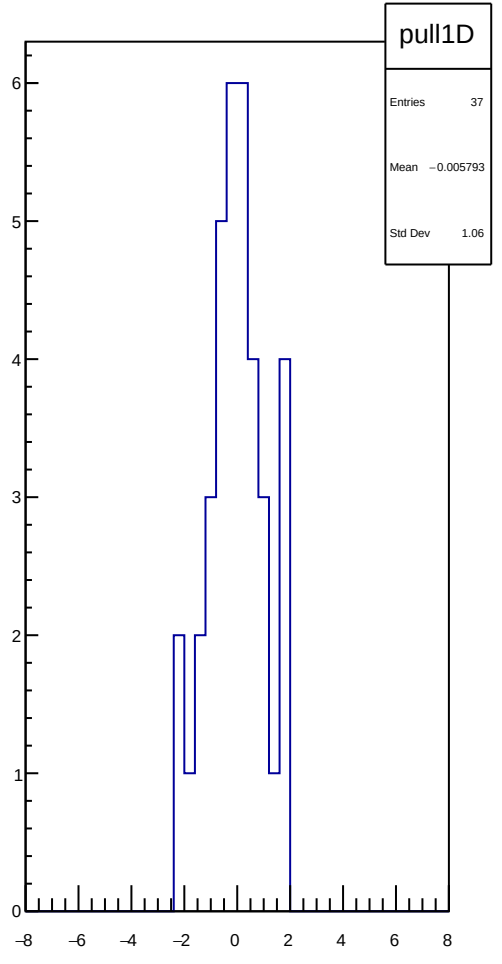

asym_sam_1357_2468_dd_dit_correction_rms vs run
χ² / ndf 4972 / 36
p0 454.5 ± 0.5255
560
540
520
500
480
460
440
420
400
380
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

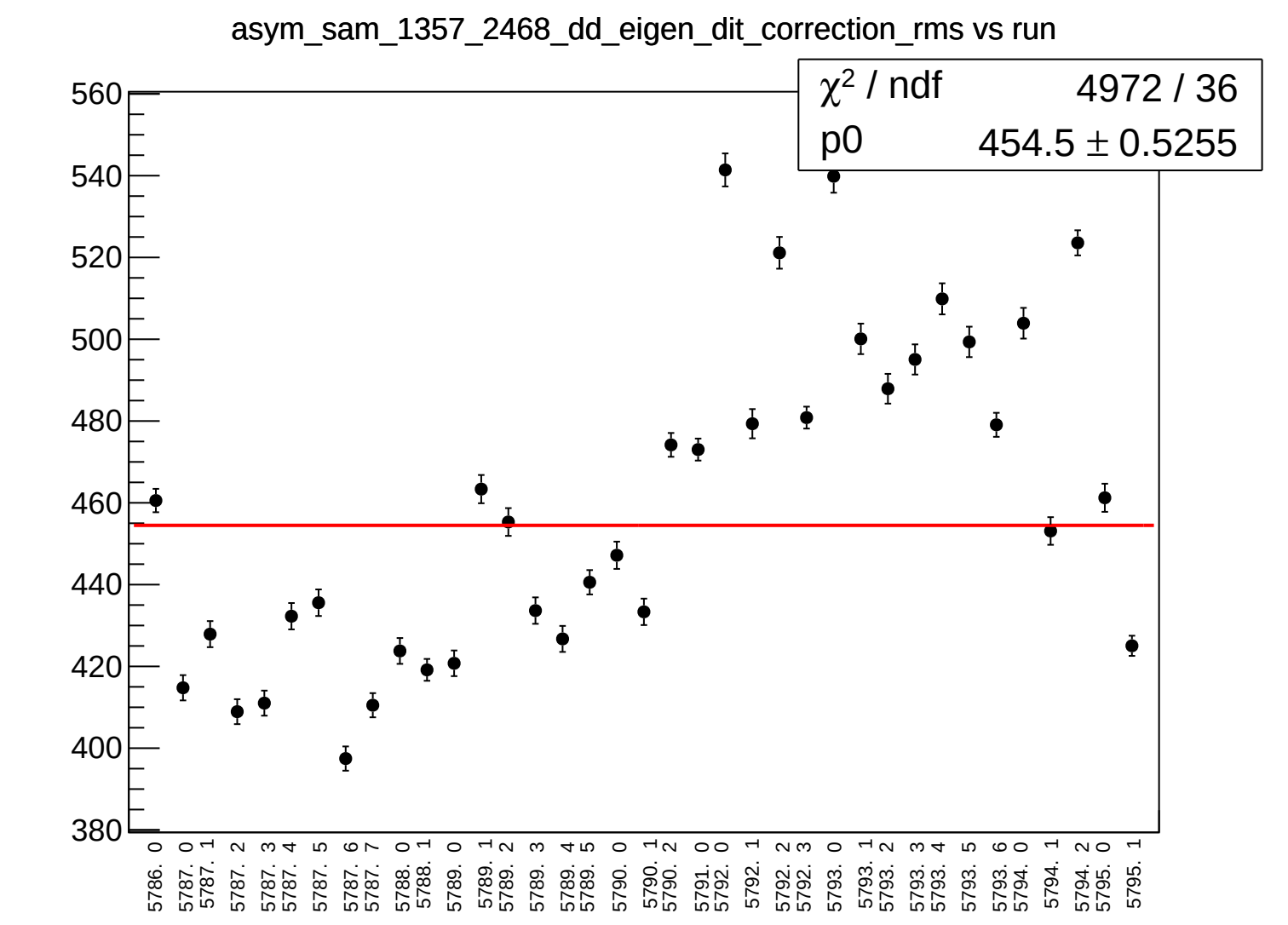

eigen_dit_asym_sam_1357_2468_dd_mean vs run
χ² / ndf 43.72 / 36
p0 −88.62 ± 80.5
pull
Entries 37
Mean 17.37
Std Dev 9.398

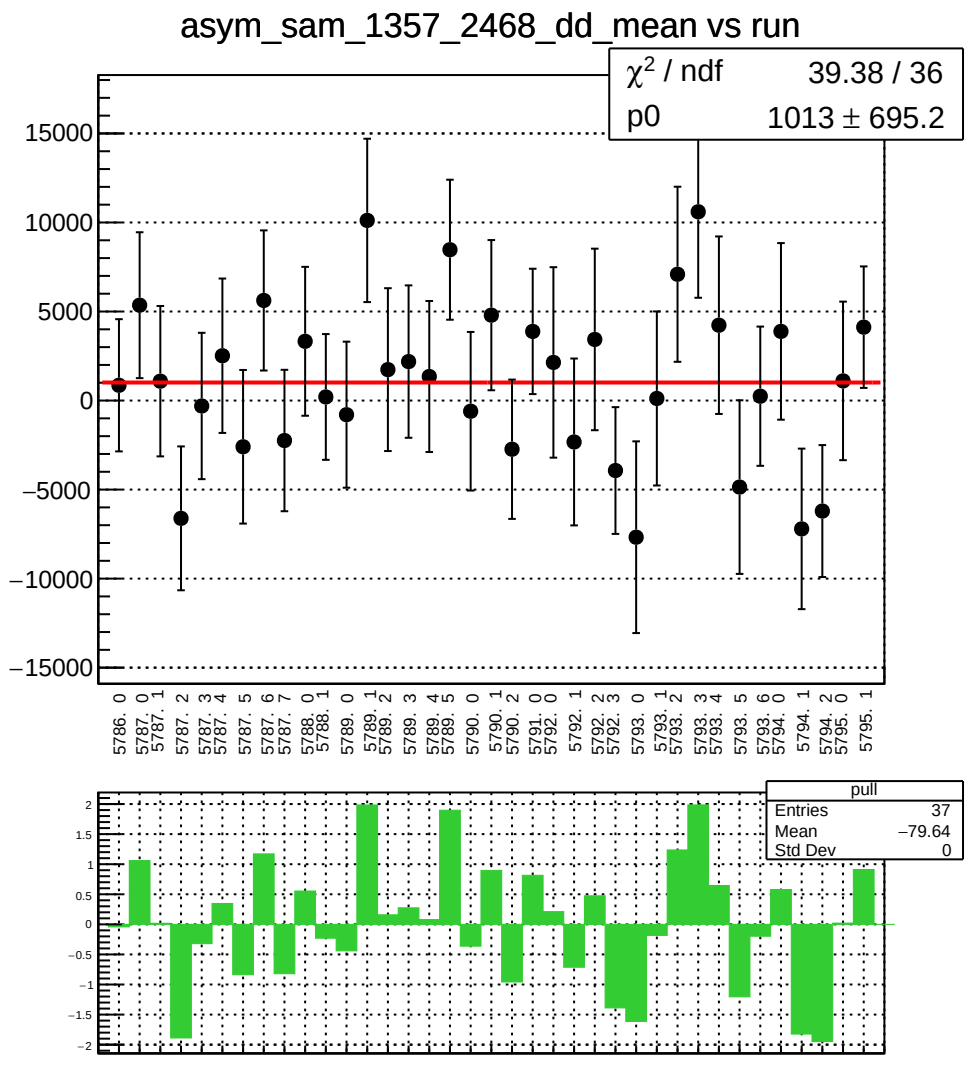

pull1D
Entries 37
Mean −0.03148
Std Dev 1.087

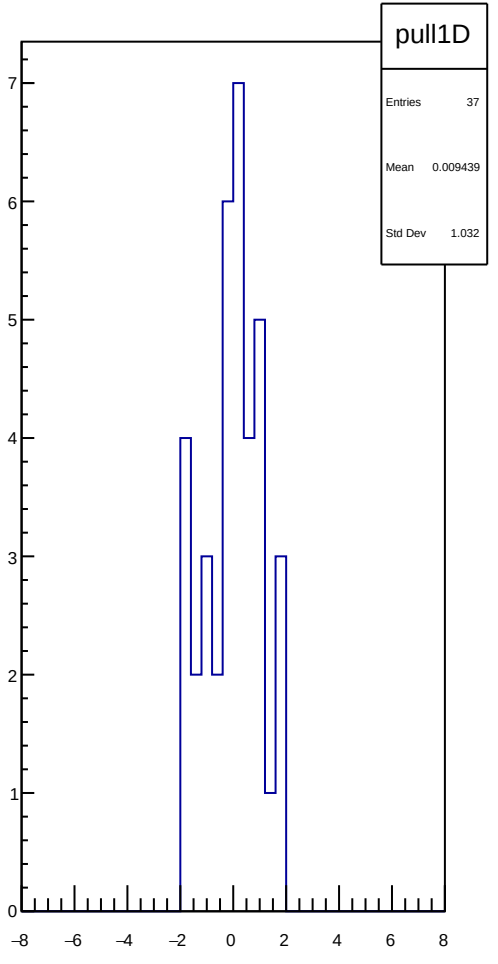

eigen_dit_asym_sam_1357_2468_dd_rms vs run
χ² / ndf 1.562e+04 / 36
p0 48.88 ± 0.05692
100
90
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

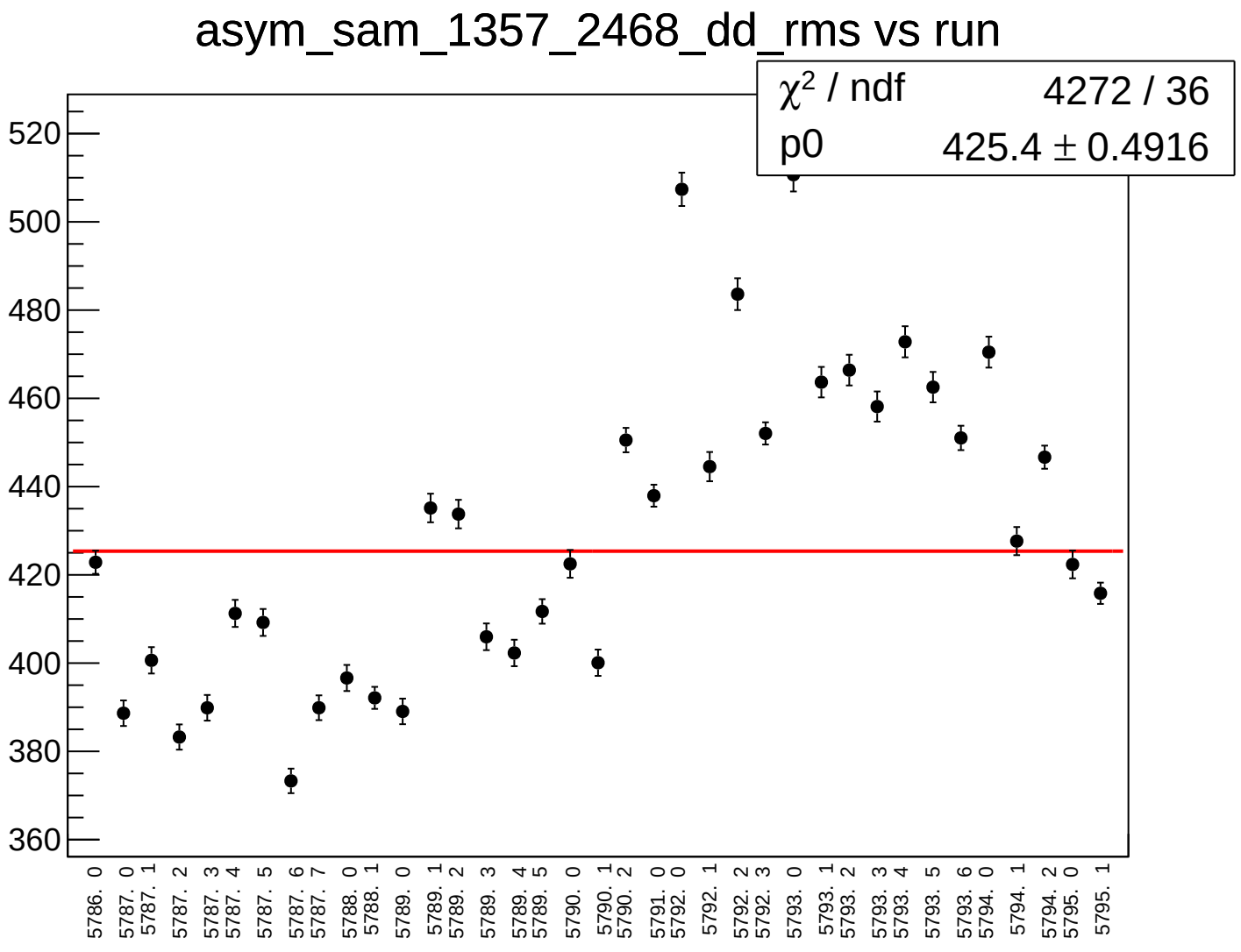

asym_sam_1357_2468_dd_eigen_dit_correction_mean vs run
χ² / ndf 41.57 / 36
p0 −1151 ± 743.2
15000
10000
5000
0
−5000
−10000
−15000
−20000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −118.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

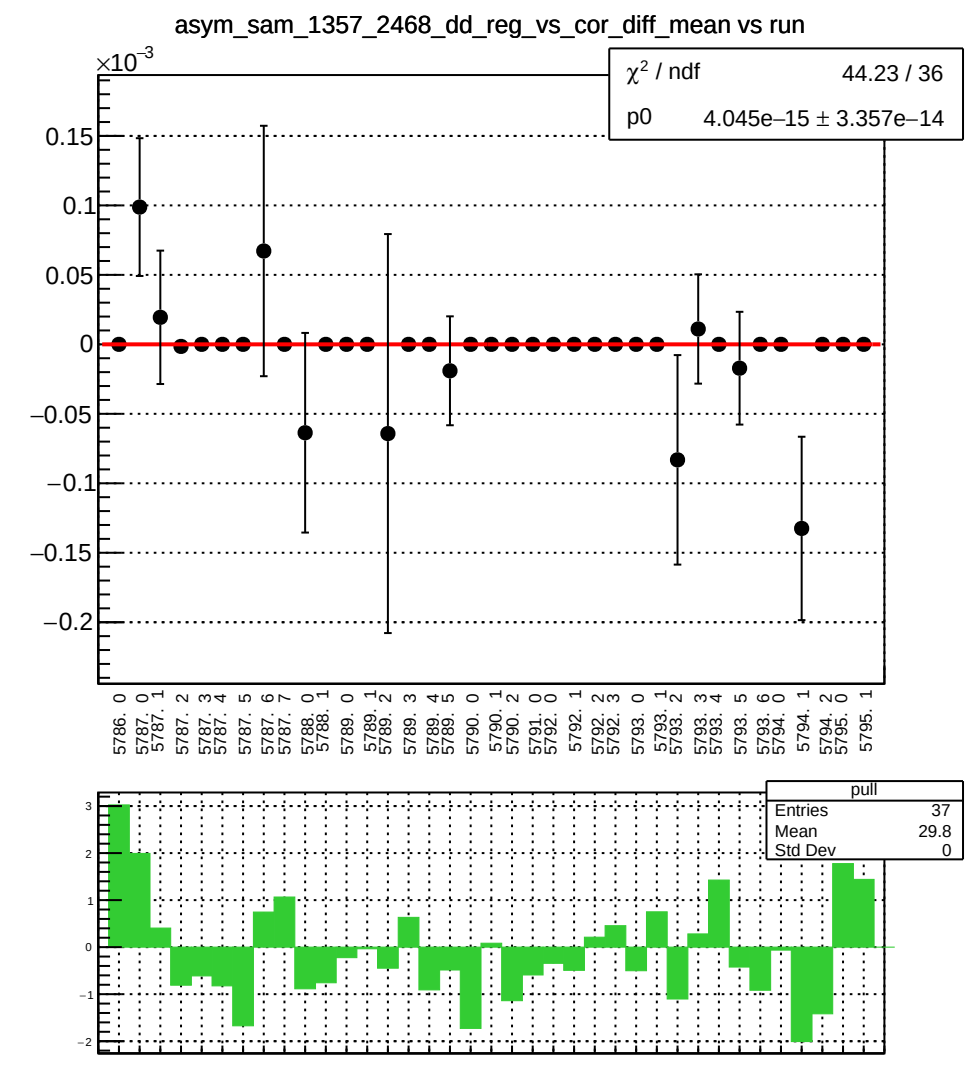

pull1D
Entries 37
Mean −0.005793
Std Dev 1.06
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

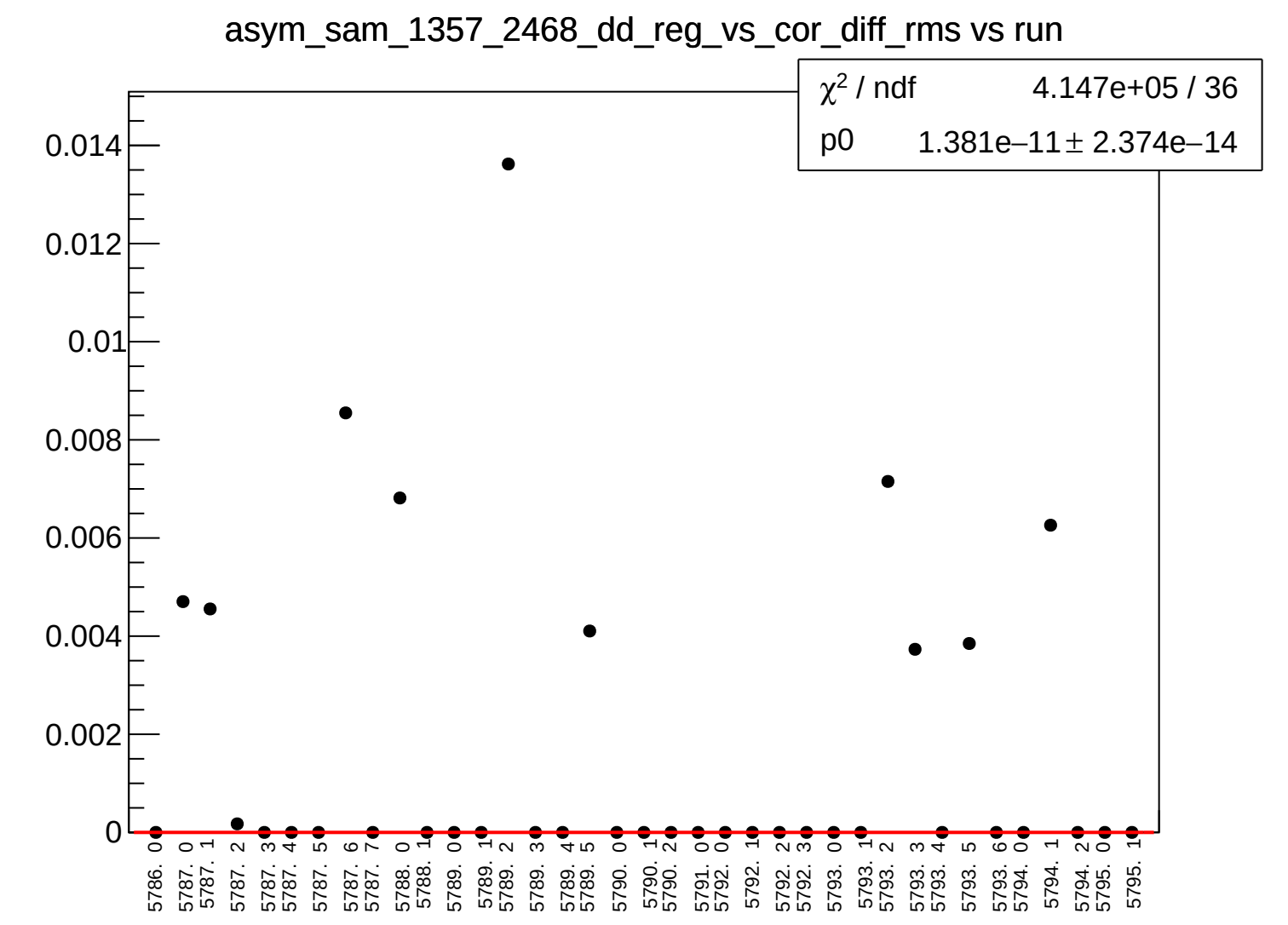

asym_sam_1357_2468_dd_eigen_dit_correction_rms vs run
χ² / ndf 4972 / 36
p0 454.5 ± 0.5255
560
540
520
500
480
460
440
420
400
380
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

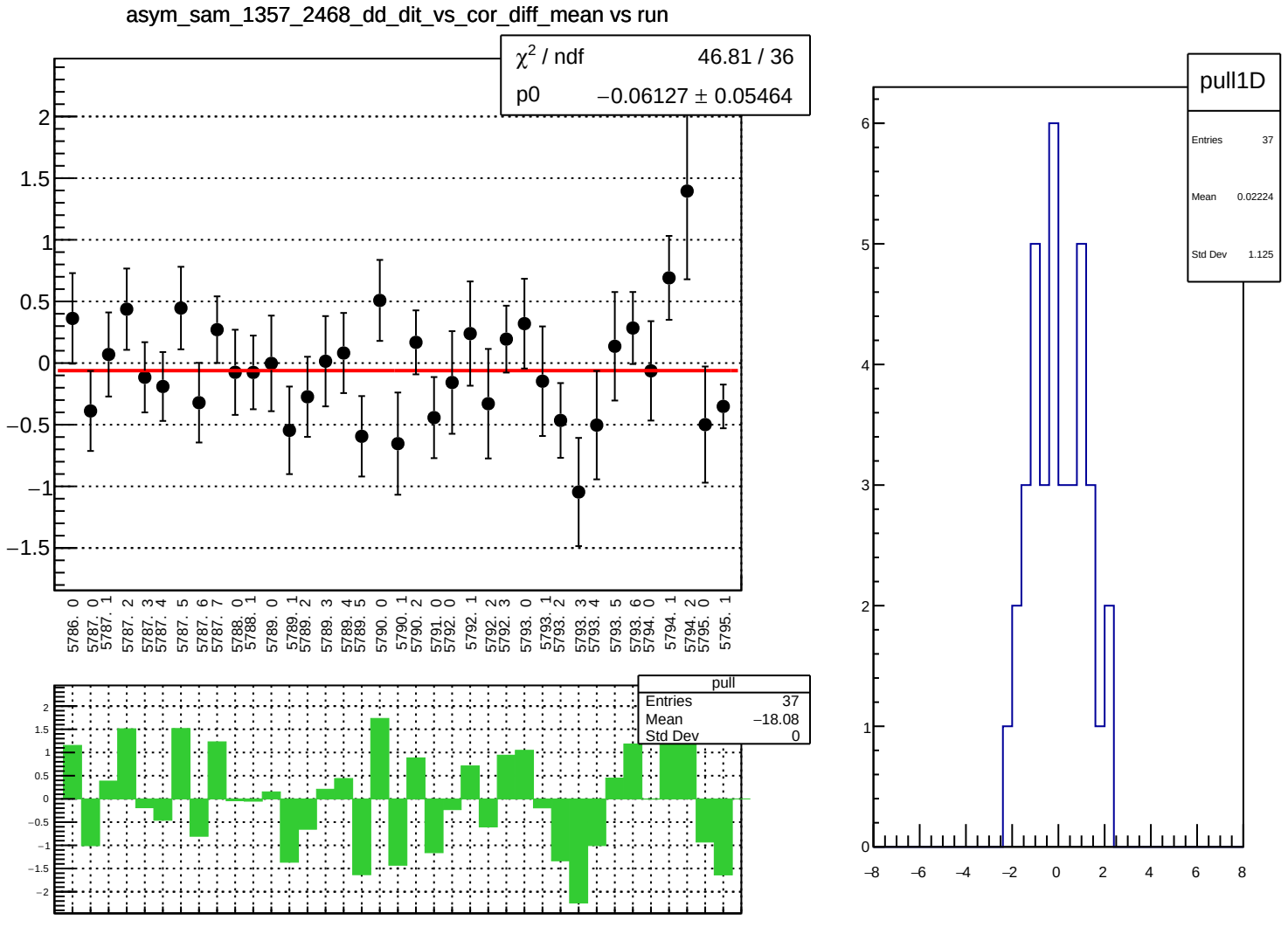

asym_sam_1357_2468_dd_mean vs run
χ² / ndf 39.38 / 36
p0 1013 ± 695.2
15000
10000
5000
0
−5000
−10000
−15000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −79.64
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

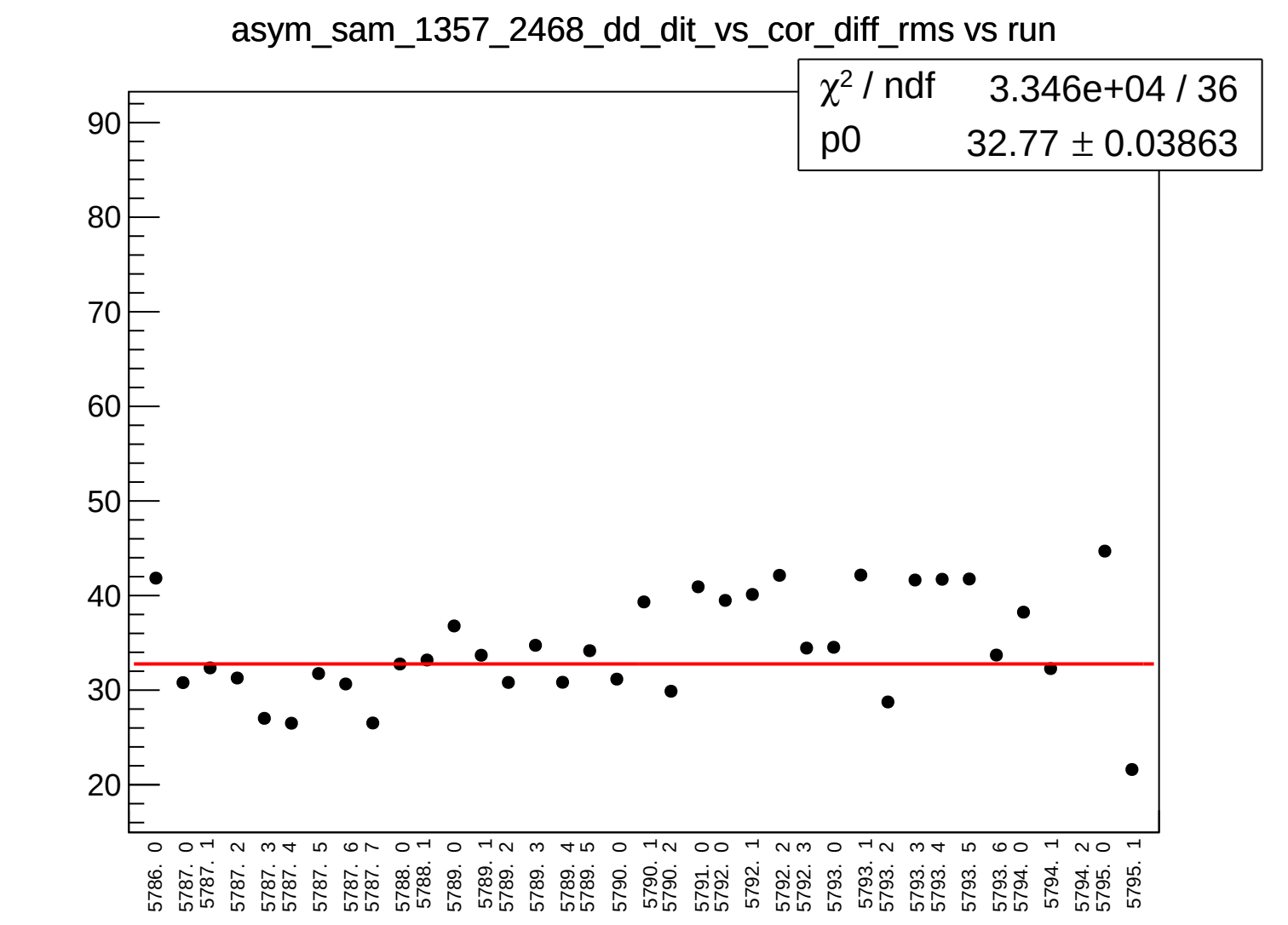

pull1D
Entries 37
Mean 0.009439
Std Dev 1.032
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

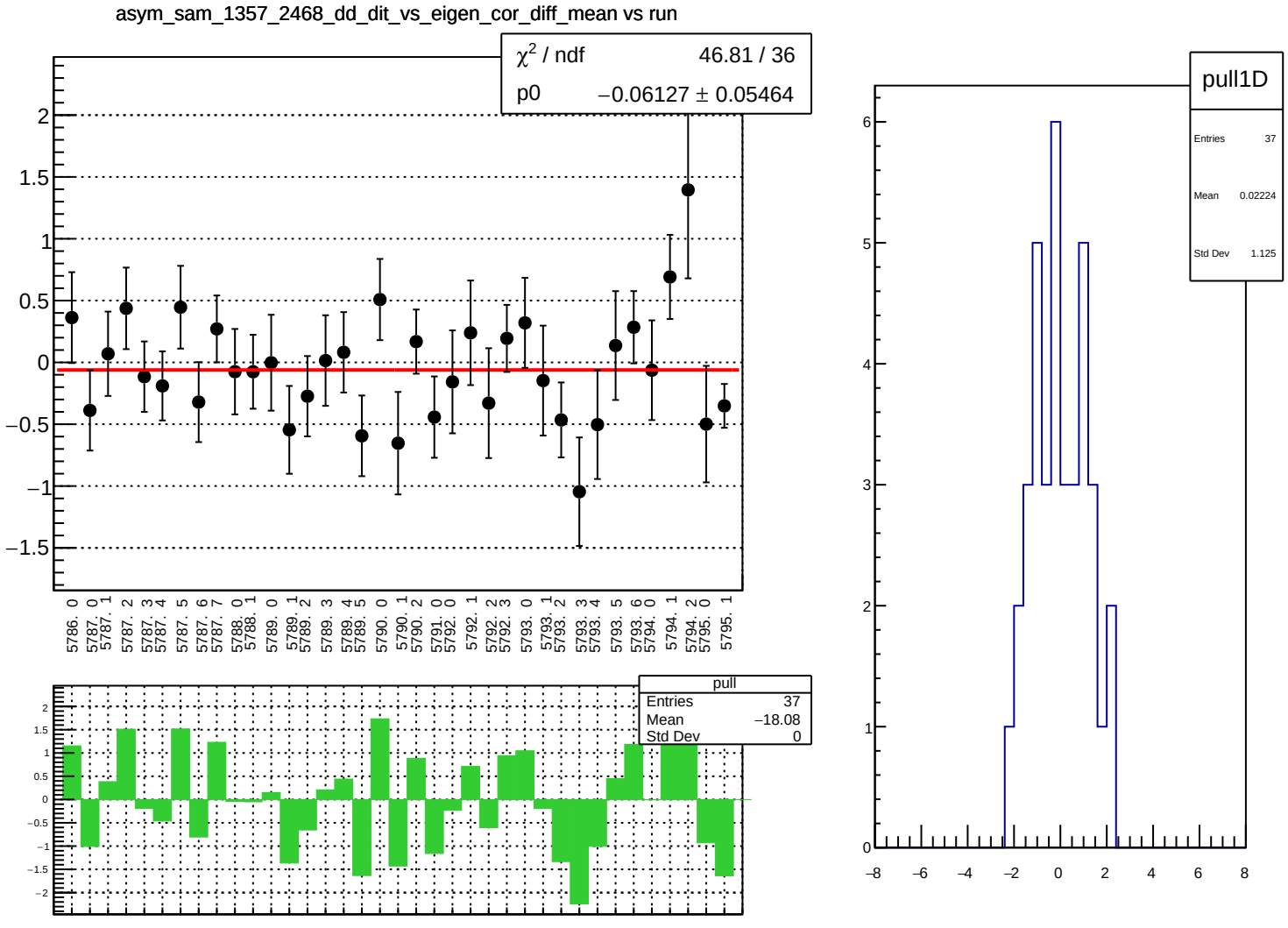

asym_sam_1357_2468_dd_rms vs run
χ² / ndf 4272 / 36
p0 425.4 ± 0.4916
520
500
480
460
440
420
400
380
360
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

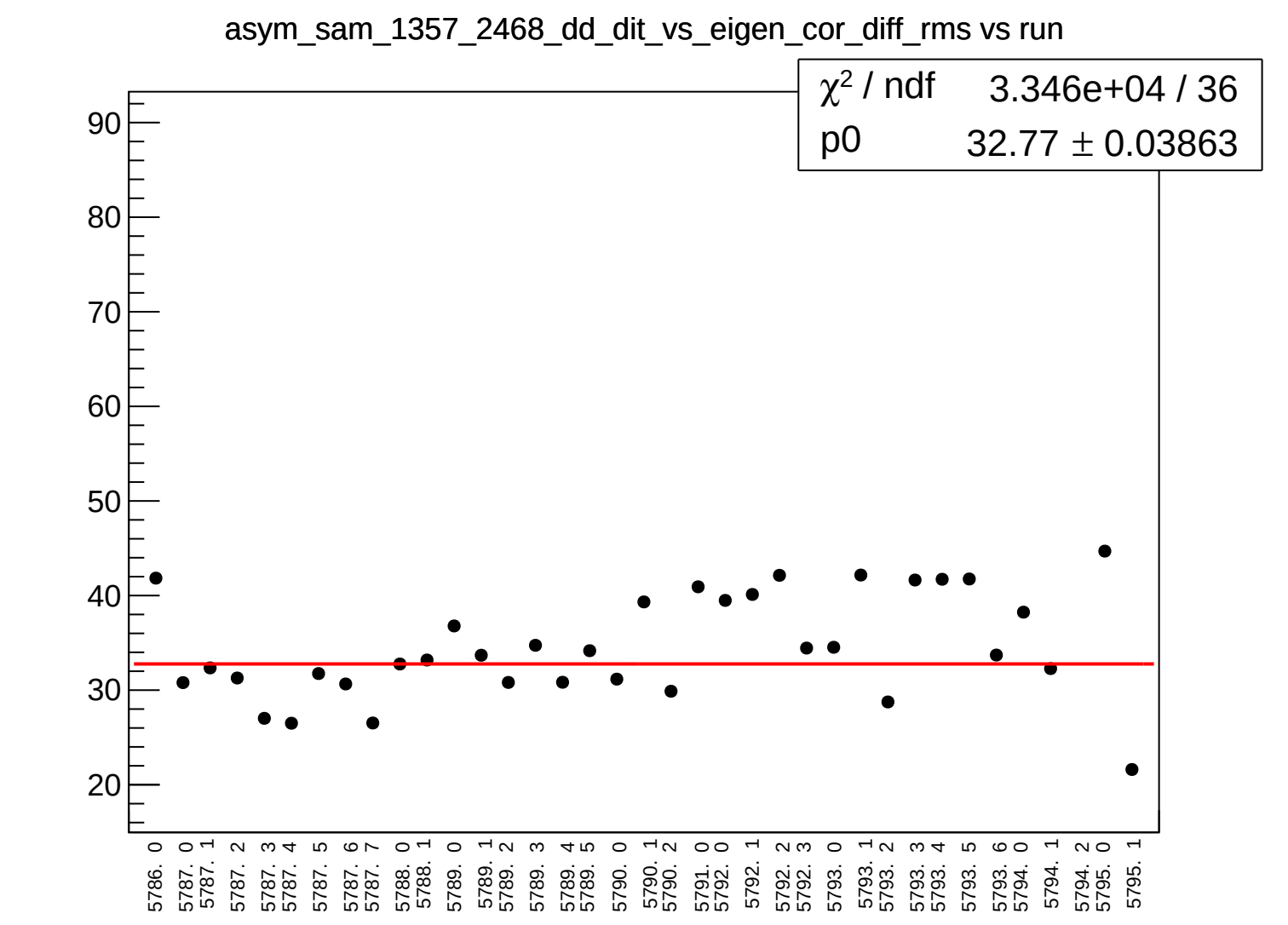

asym_sam_1357_2468_dd_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 44.23 / 36
p0 4.045e−15 ± 3.357e−14
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 29.8
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.1106
Std Dev 1.088
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

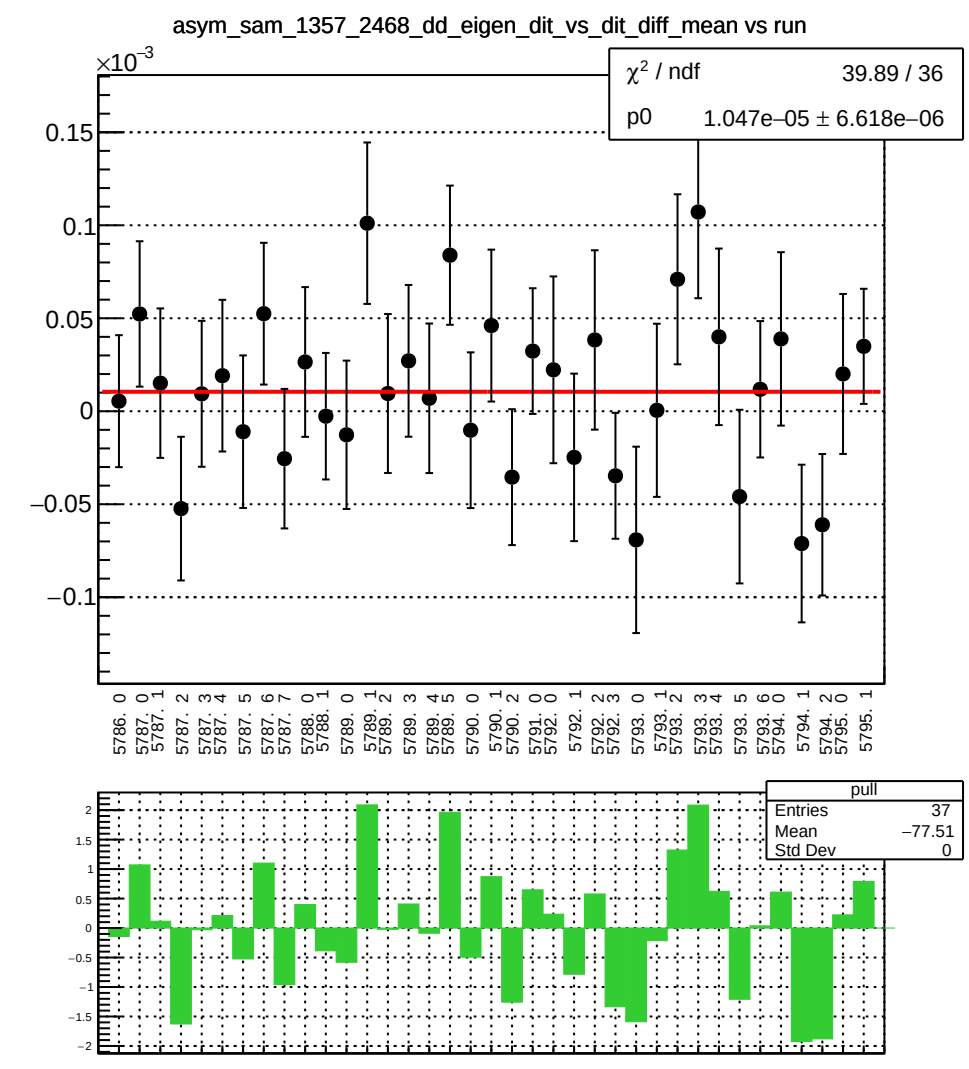

asym_sam_1357_2468_dd_reg_vs_cor_diff_rms vs run
χ² / ndf 4.147e+05 / 36
p0 1.381e−11 ± 2.374e−14
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

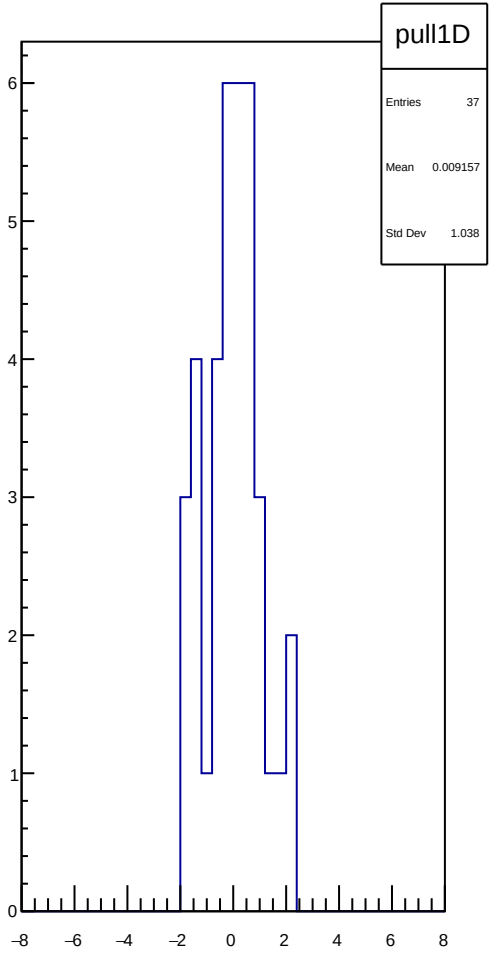

asym_sam_1357_2468_dd_dit_vs_cor_diff_mean vs run
χ² / ndf 46.81 / 36
p0 −0.06127 ± 0.05464
pull
Entries 37
Mean −18.08
Std Dev 0
pull1D
Entries 37
Mean 0.02224
Std Dev 1.125

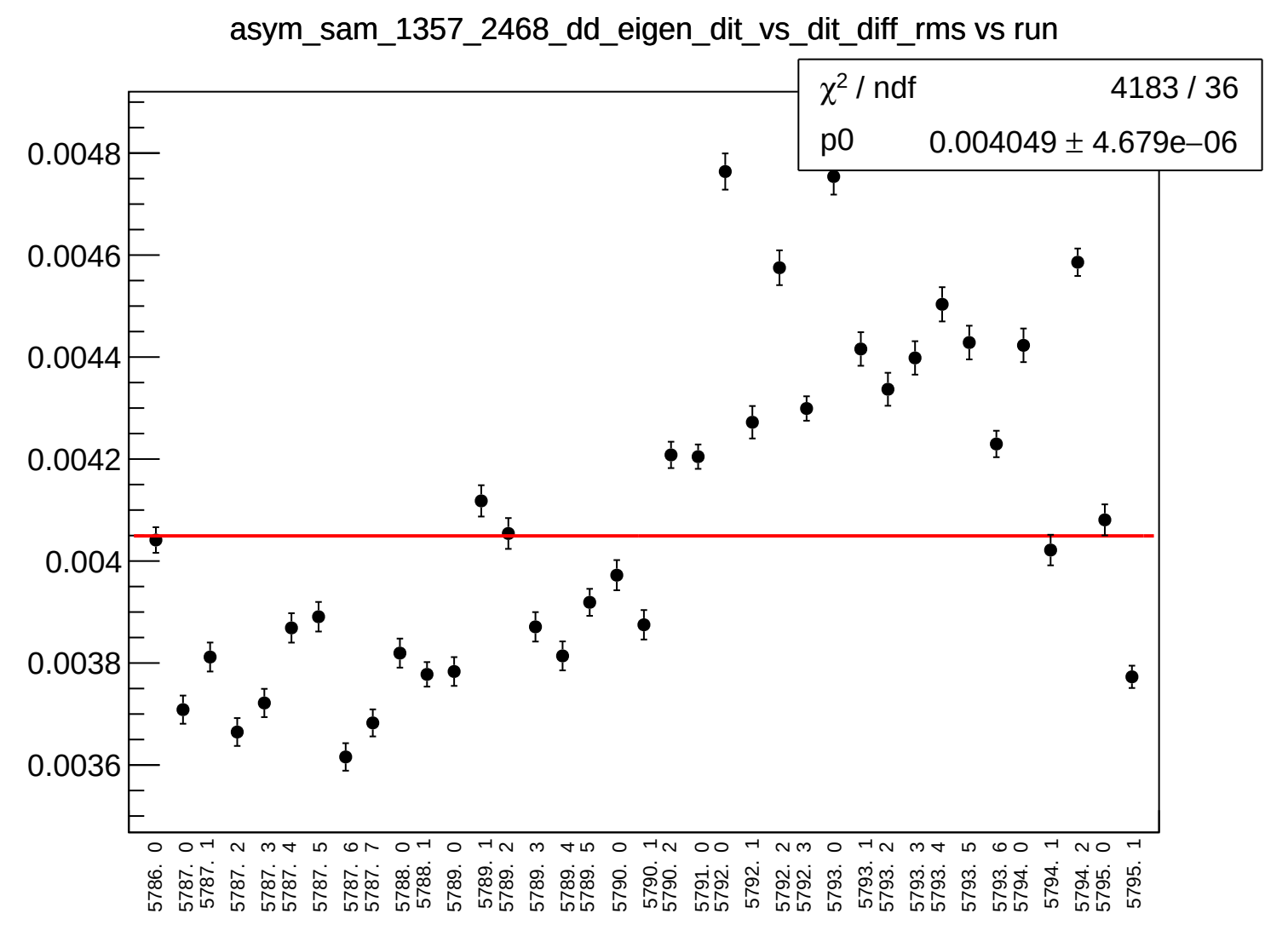

asym_sam_1357_2468_dd_dit_vs_cor_diff_rms vs run
χ² / ndf 3.346e+04 / 36
p0 32.77 ± 0.03863
90
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

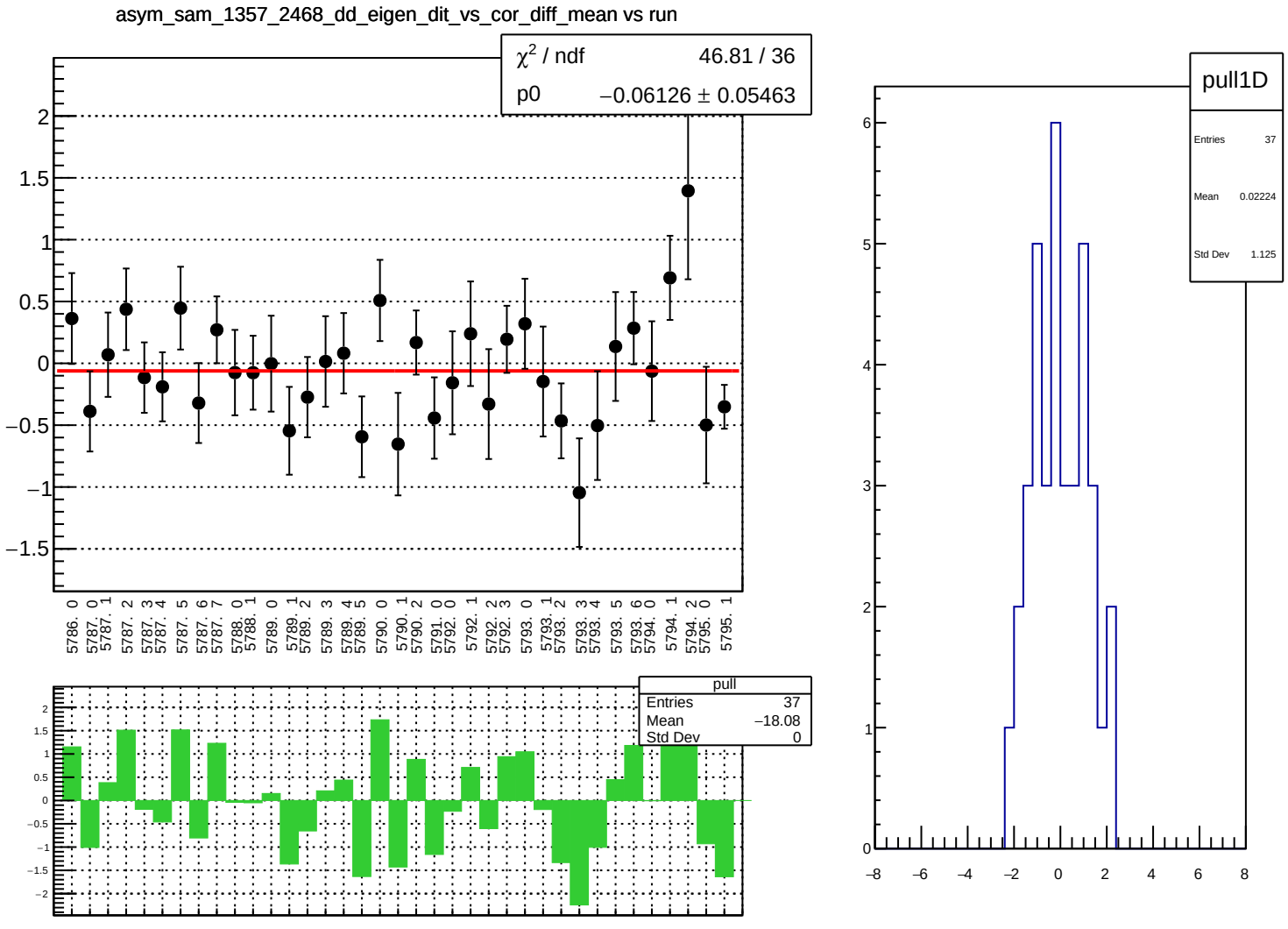

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.81 / 36
p0 −0.06127 ± 0.05464
pull
Entries 37
Mean −18.08
Std Dev 0
pull1D
Entries 37
Mean 0.02224
Std Dev 1.125

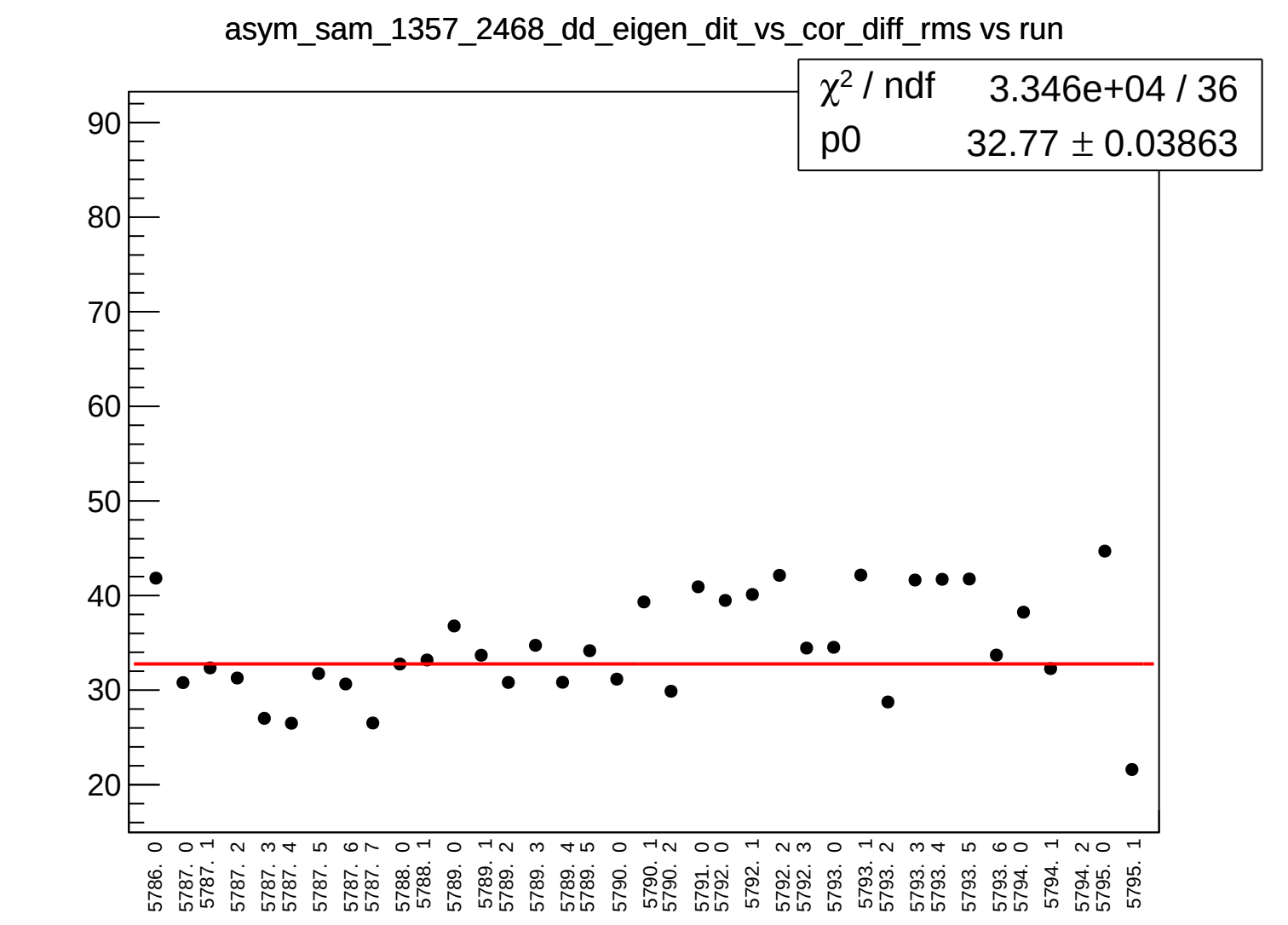

asym_sam_1357_2468_dd_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.346e+04 / 36
p0 32.77 ± 0.03863
90
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

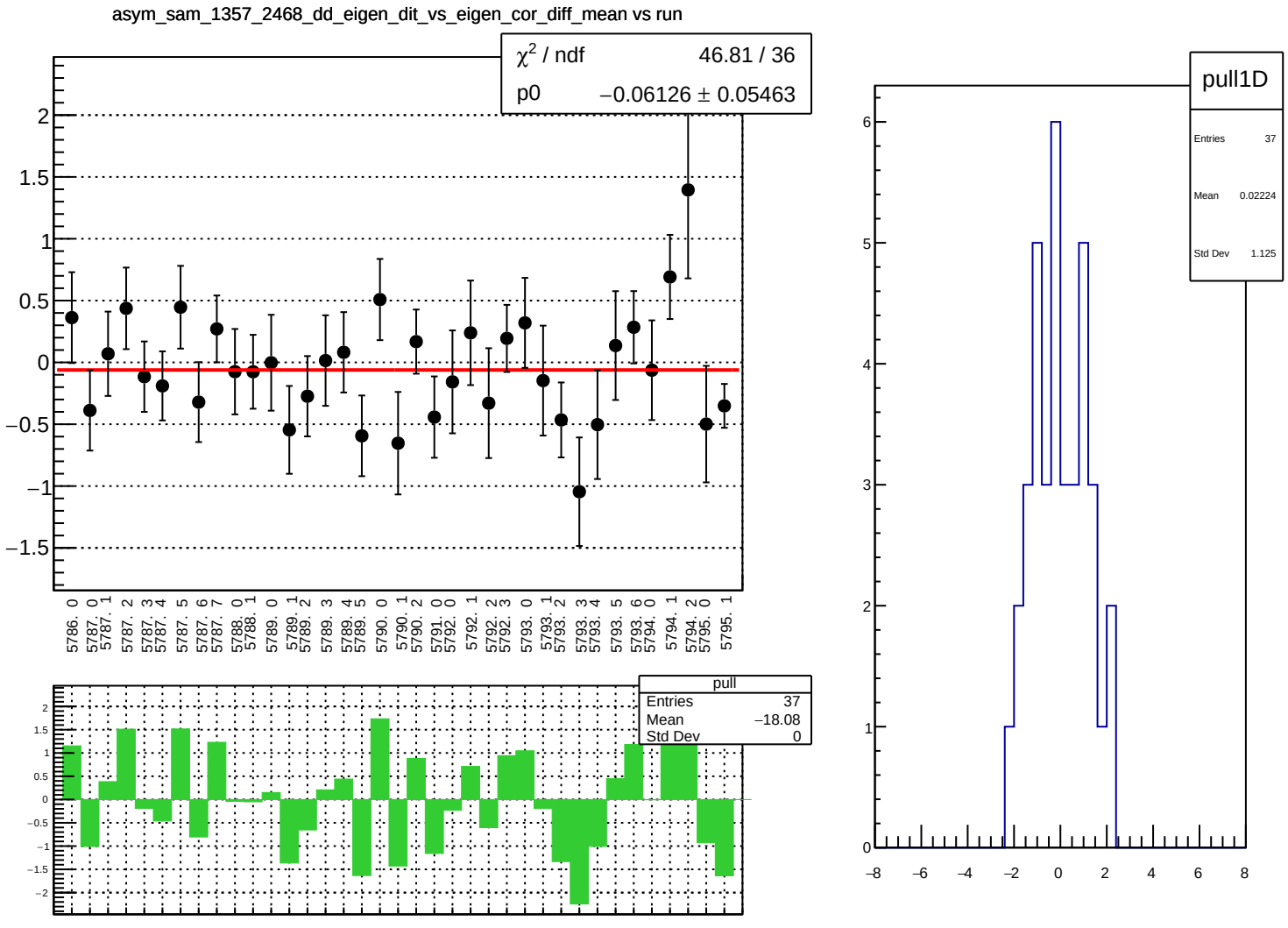

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 39.89 / 36
p0 1.047e−05 ± 6.618e−06
0.15
0.1
0.05
0
−0.05
−0.1
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −77.51
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

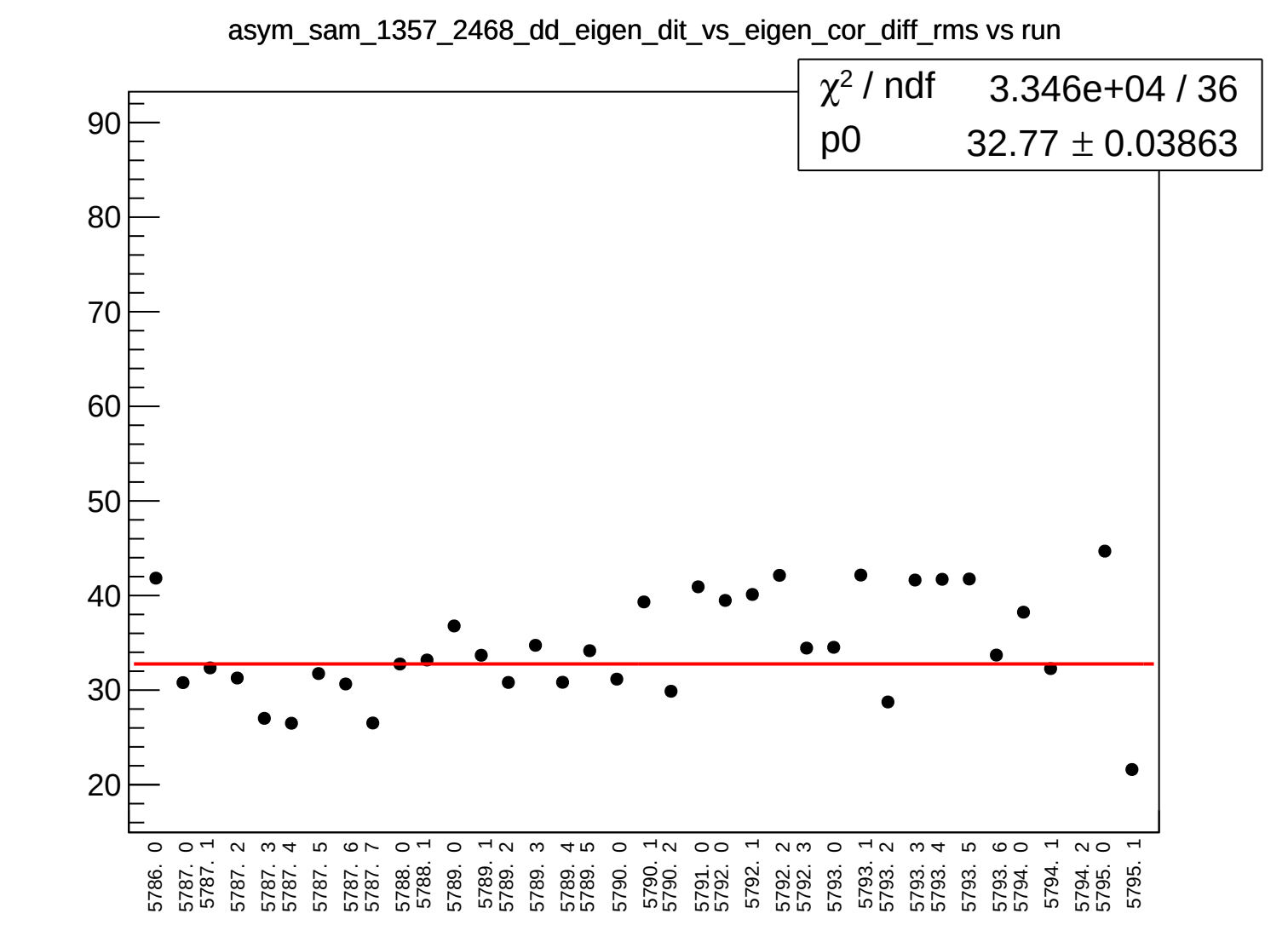

pull1D
Entries 37
Mean 0.009157
Std Dev 1.038
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

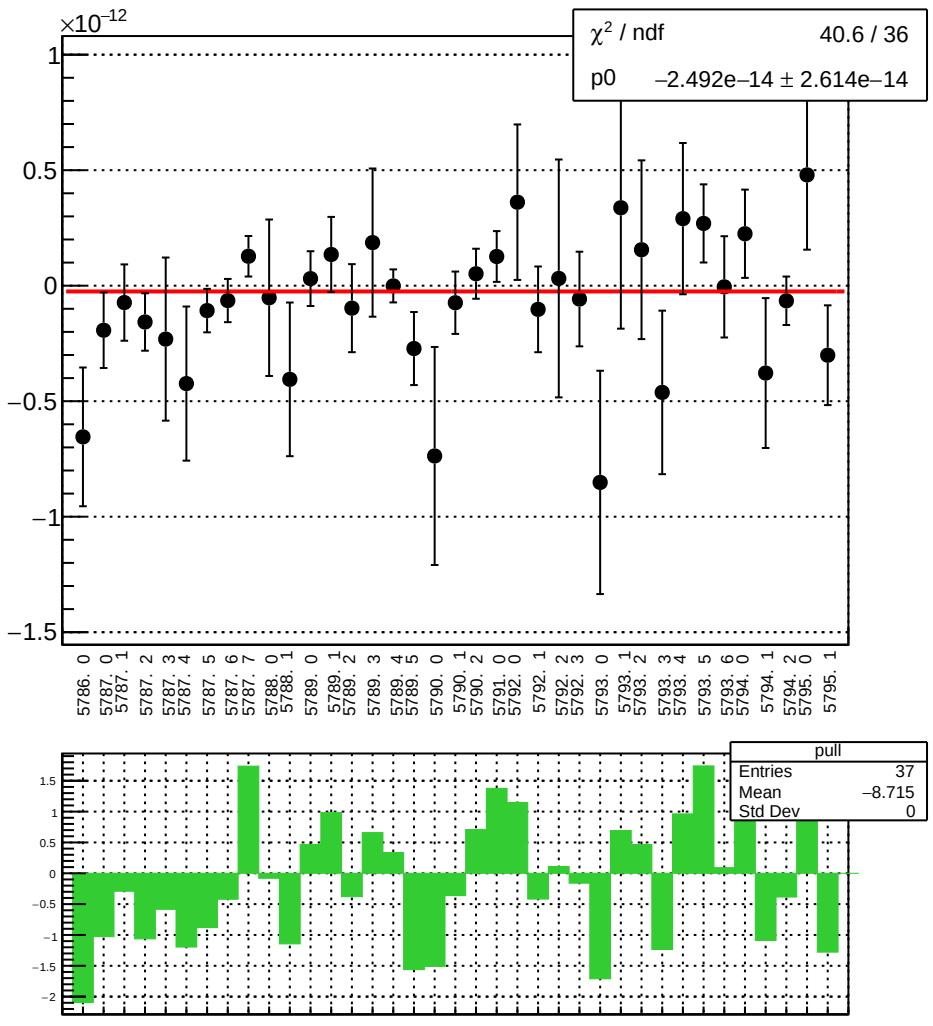

asym_sam_1357_2468_dd_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4183 / 36
p0 0.004049 ± 4.679e−06
0.0048
0.0046
0.0044
0.0042
0.004
0.0038
0.0036
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

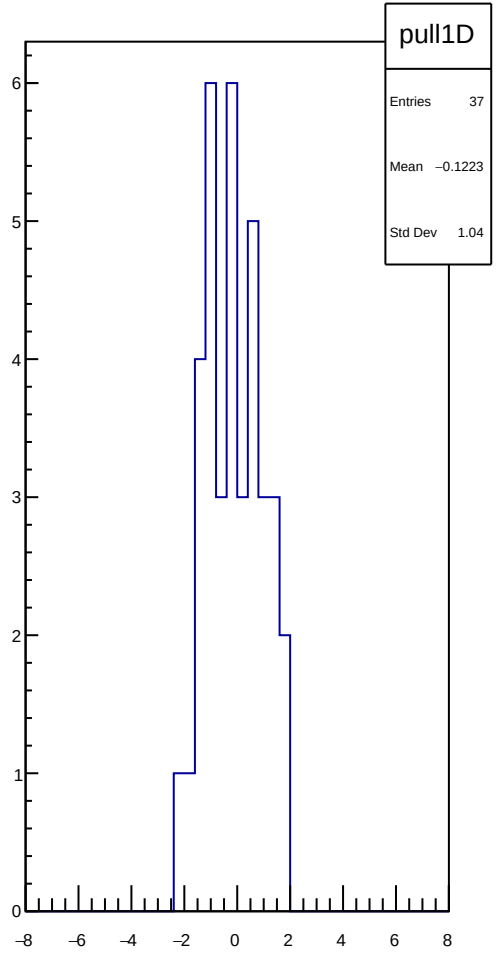

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 46.81 / 36
p0 −0.06126 ± 0.05463
pull
Entries 37
Mean −18.08
Std Dev 0
pull1D
Entries 37
Mean 0.02224
Std Dev 1.125

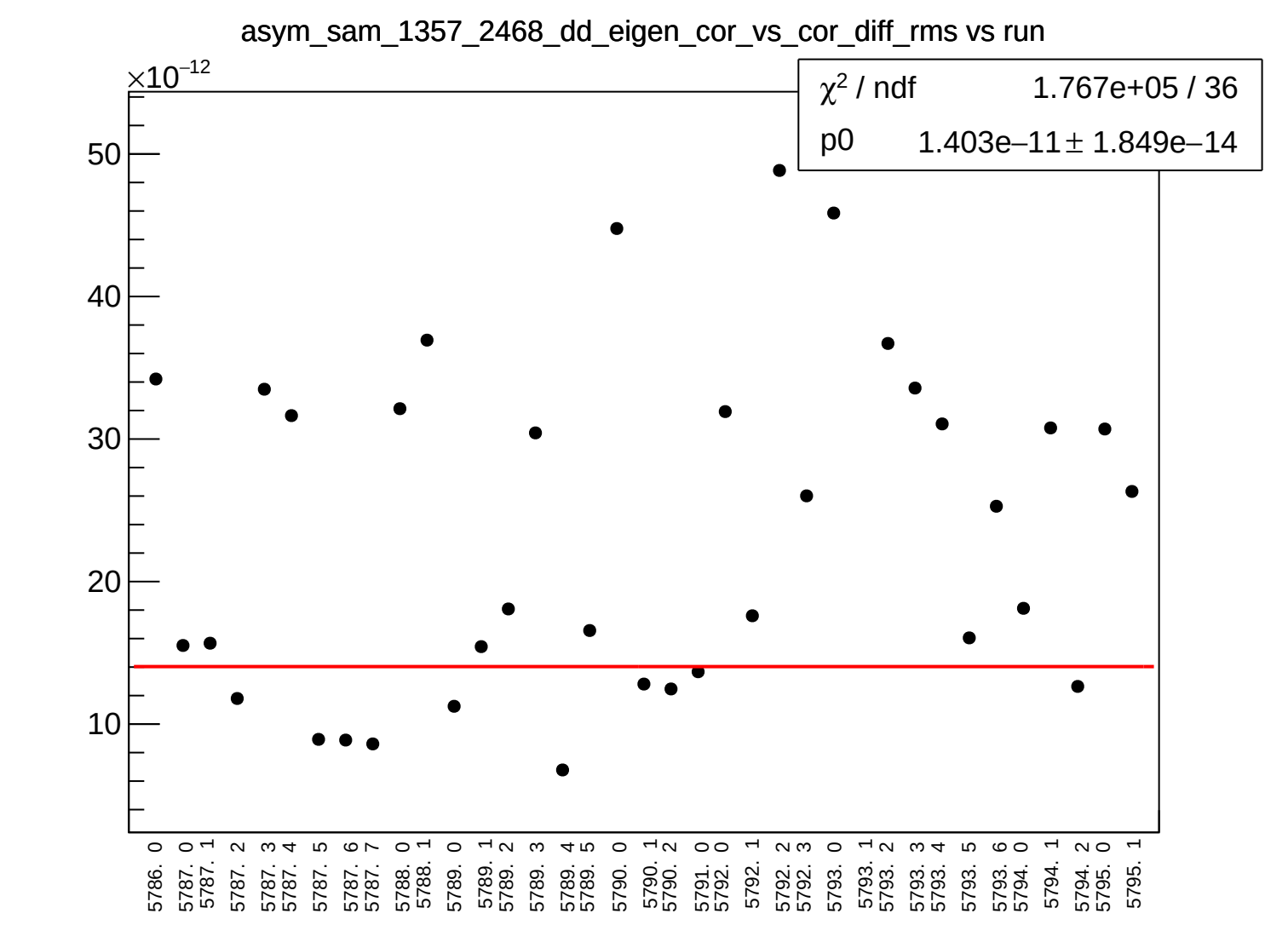

asym_sam_1357_2468_dd_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.346e+04 / 36
p0 32.77 ± 0.03863
90
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

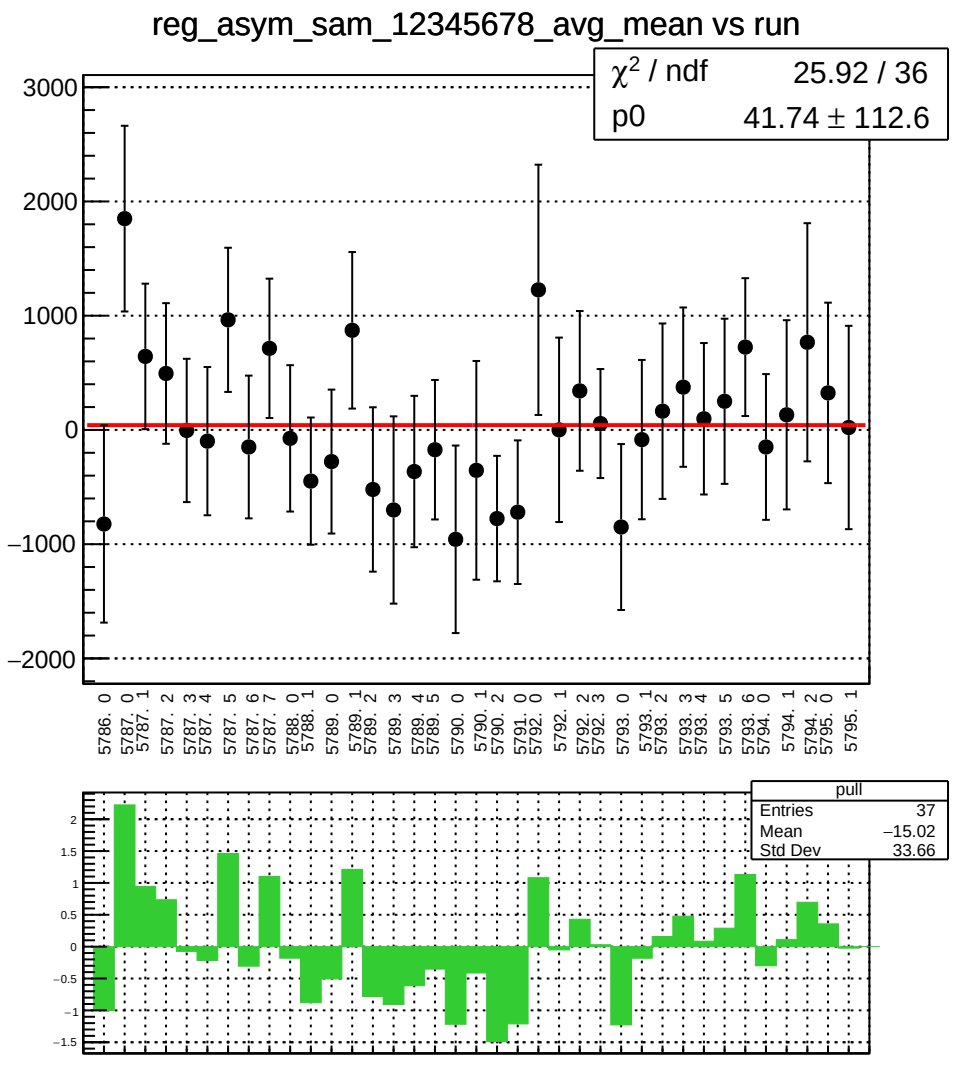

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 46.81 / 36
p0 −0.06126 ± 0.05463
pull
Entries 37
Mean −18.08
Std Dev 0
pull1D
Entries 37
Mean 0.02224
Std Dev 1.125

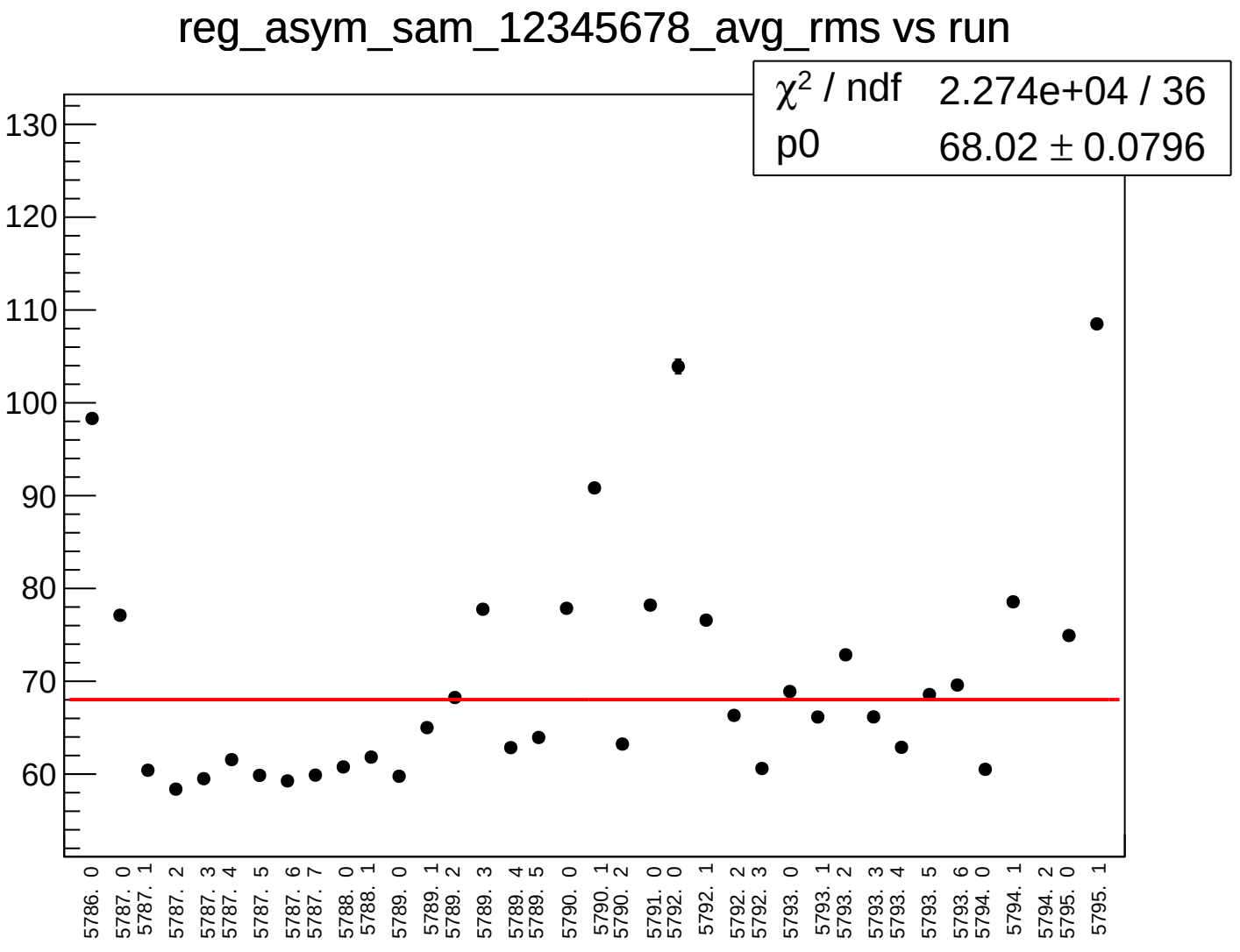

asym_sam_1357_2468_dd_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.346e+04 / 36
p0 32.77 ± 0.03863
90
80
70
60
50
40
30
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

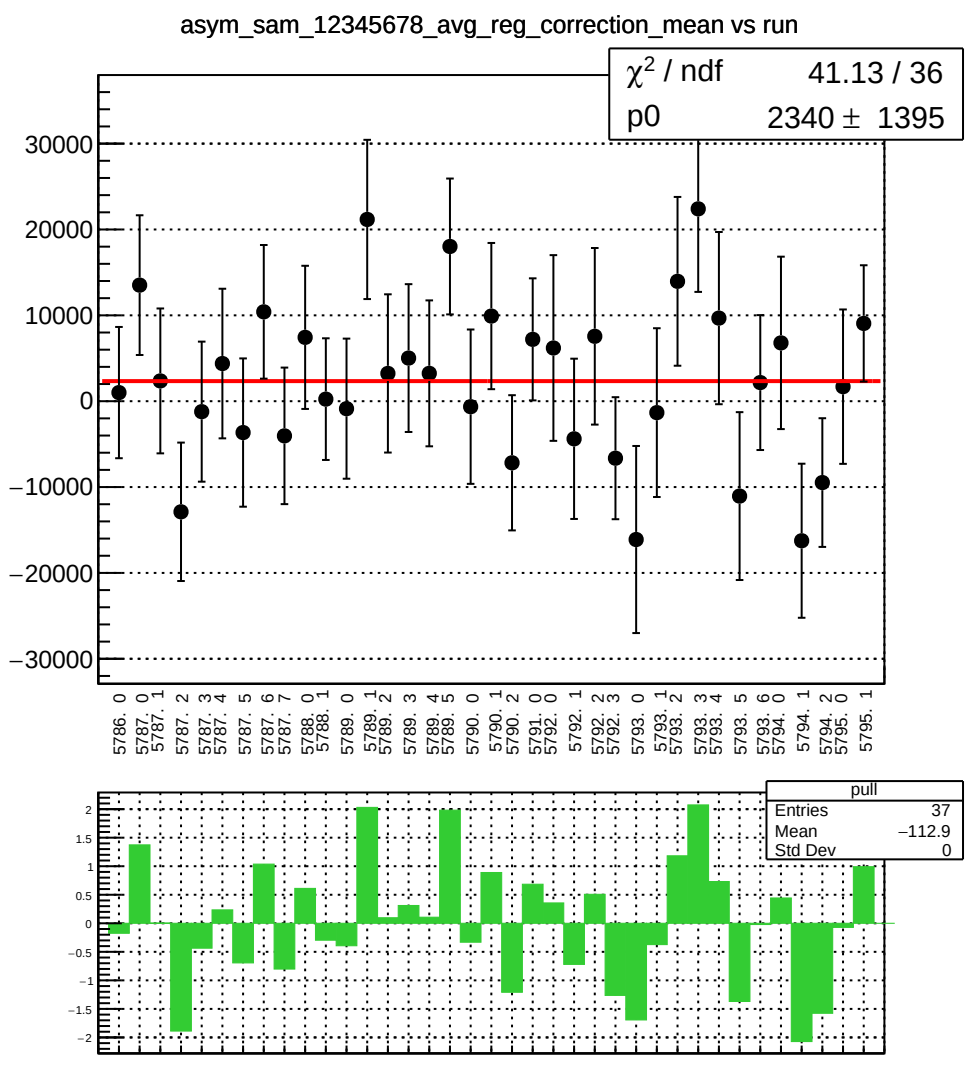

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 40.6 / 36
p0 −2.492e−14 ± 2.614e−14
pull
Entries 37
Mean −8.715
Std Dev 0

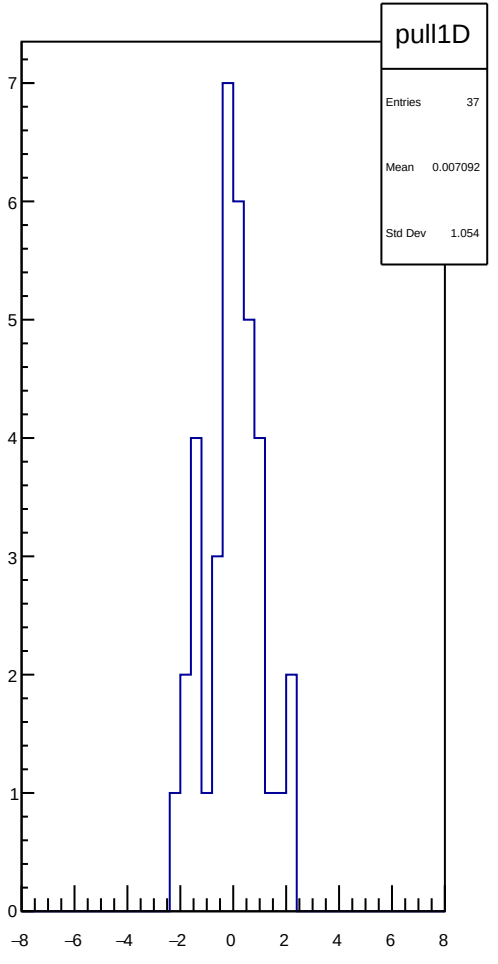

pull1D
Entries 37
Mean −0.1223
Std Dev 1.04

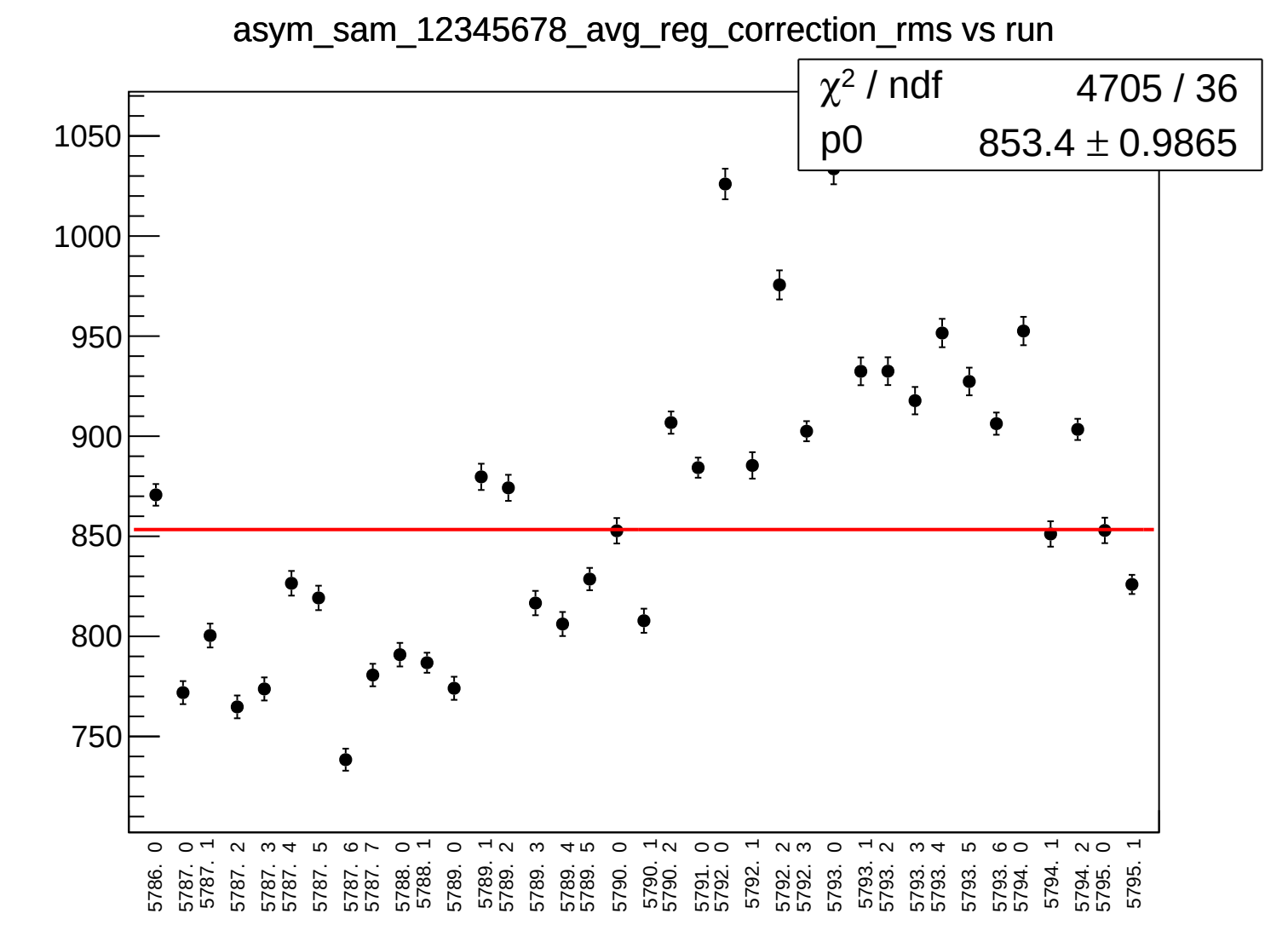

asym_sam_1357_2468_dd_eigen_cor_vs_cor_diff_rms vs run
×10⁻¹²
χ² / ndf 1.767e+05 / 36
p0 1.403e−11 ± 1.849e−14
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

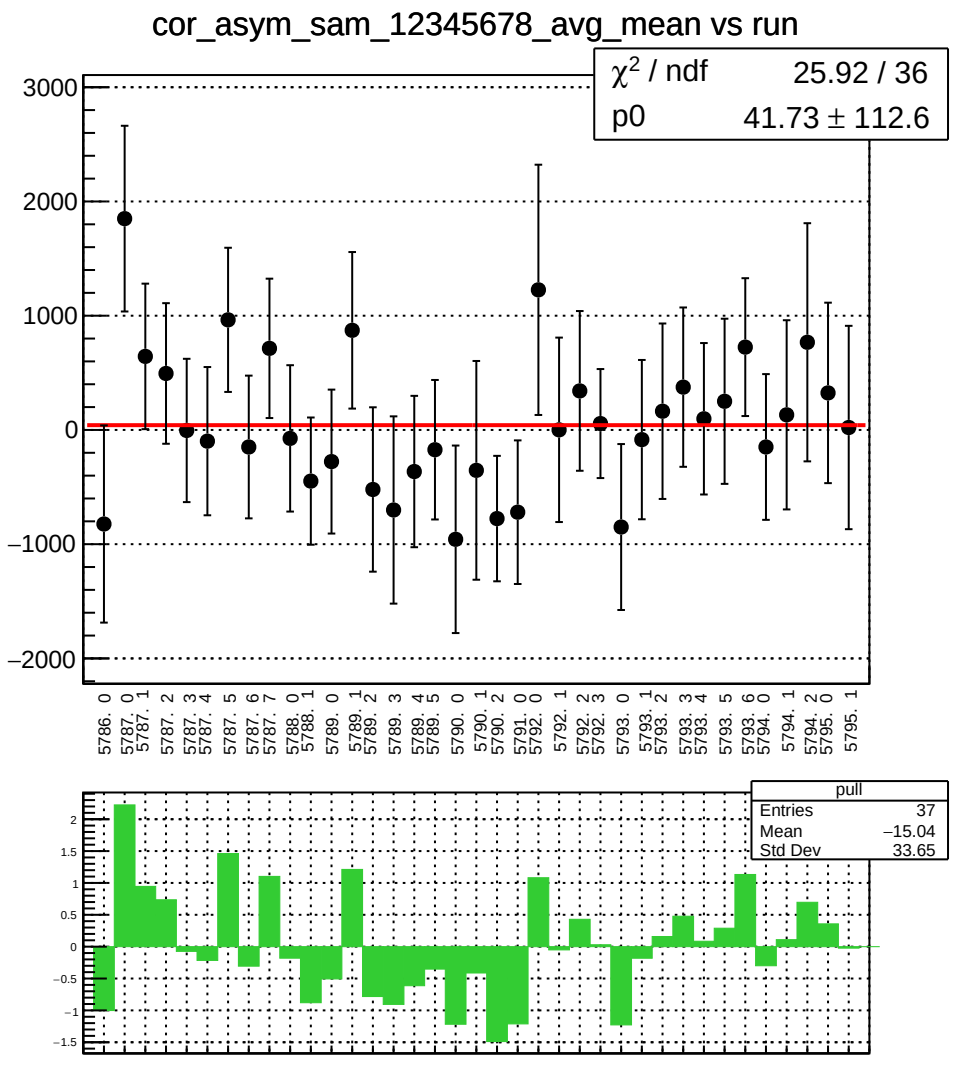

reg_asym_sam_12345678_avg_mean vs run
χ² / ndf 25.92 / 36
p0 41.74 ± 112.6
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.02
Std Dev 33.66
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.01618
Std Dev 0.8368
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

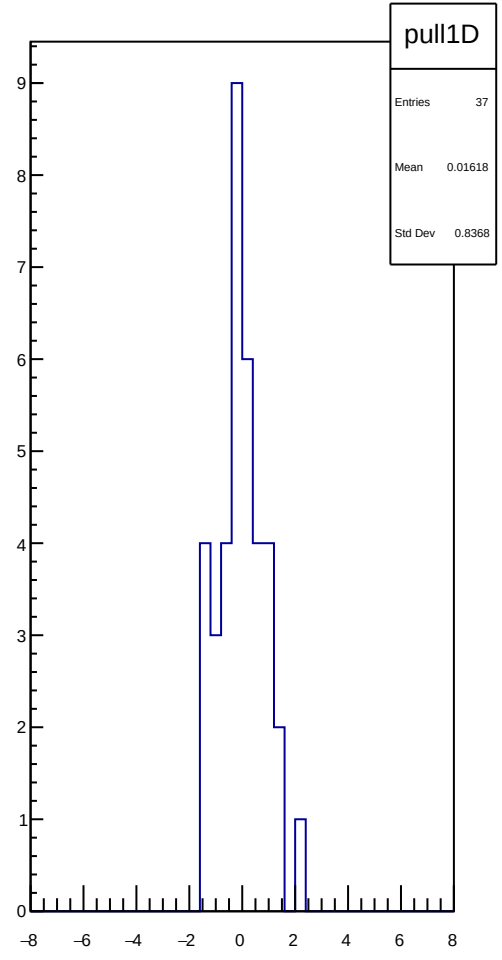

reg_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.274e+04 / 36
p0 68.02 ± 0.0796
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

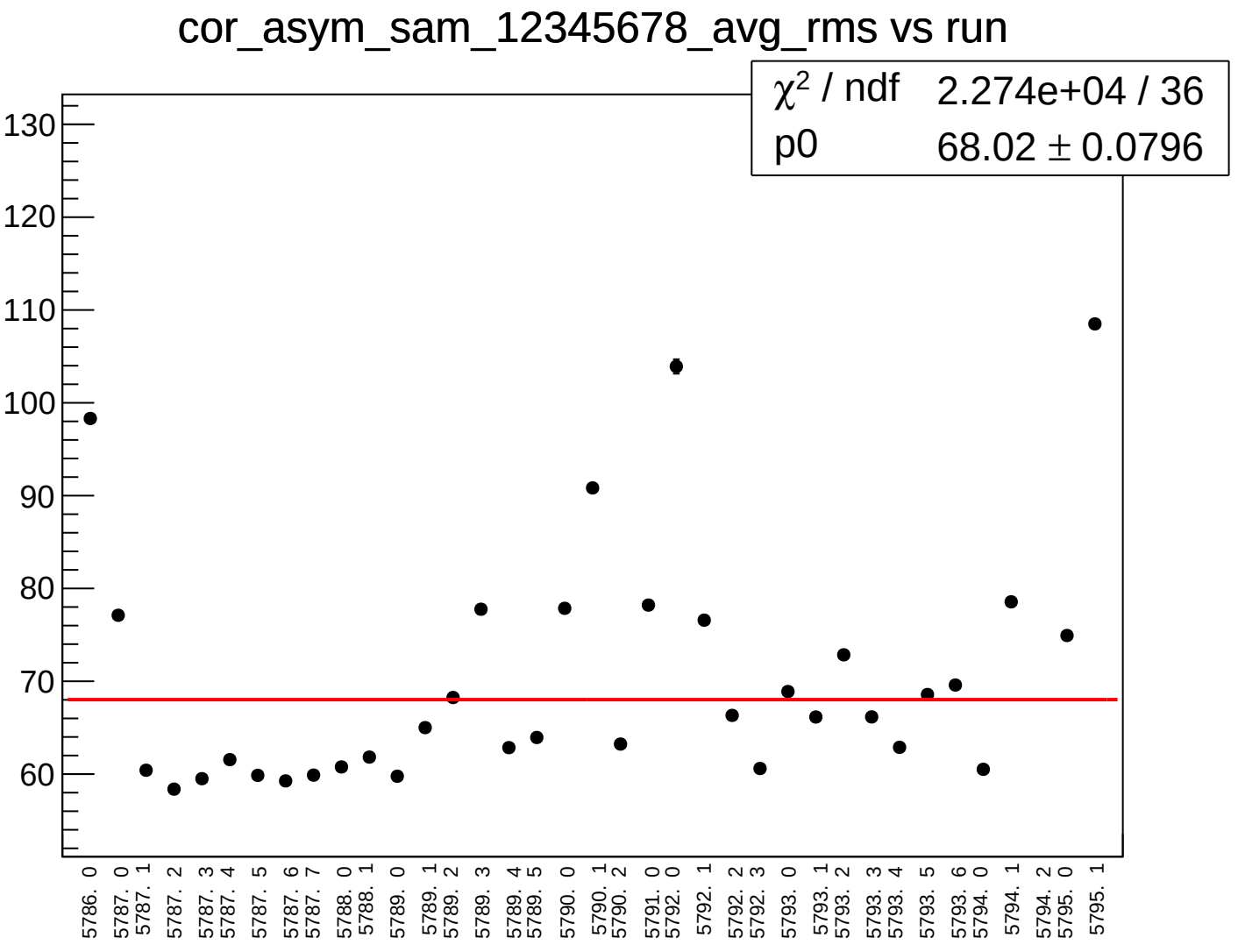

asym_sam_12345678_avg_reg_correction_mean vs run
χ² / ndf 41.13 / 36
p0 2340 ± 1395
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −112.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

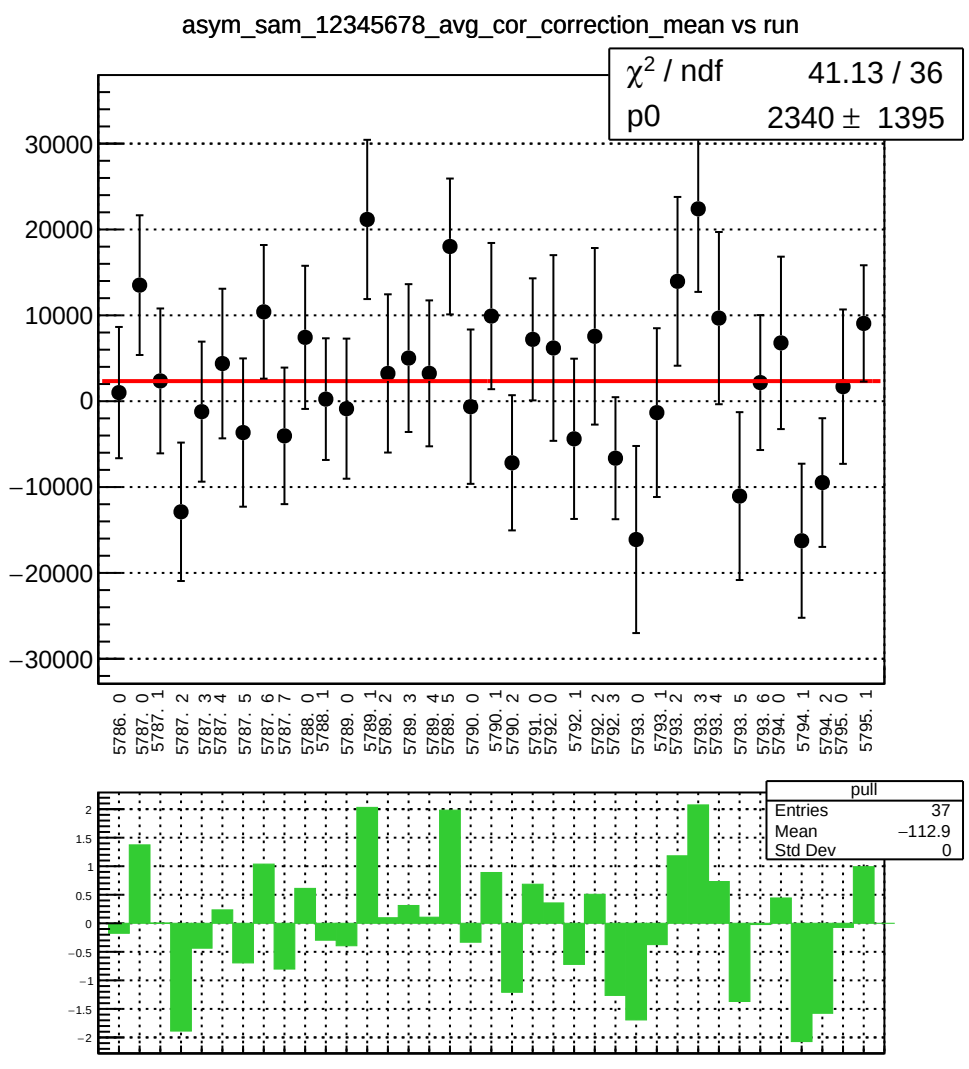

pull1D
Entries 37
Mean 0.007092
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

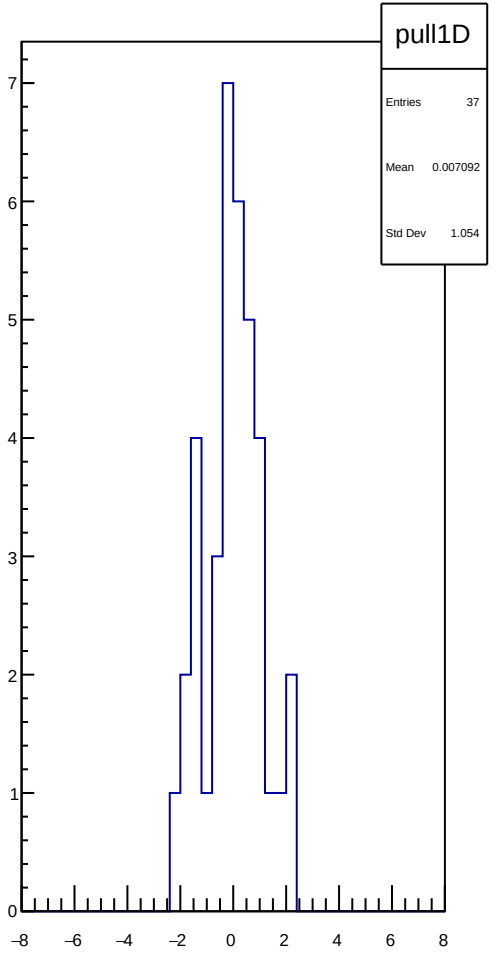

asym_sam_12345678_avg_reg_correction_rms vs run
χ² / ndf 4705 / 36
p0 853.4 ± 0.9865
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

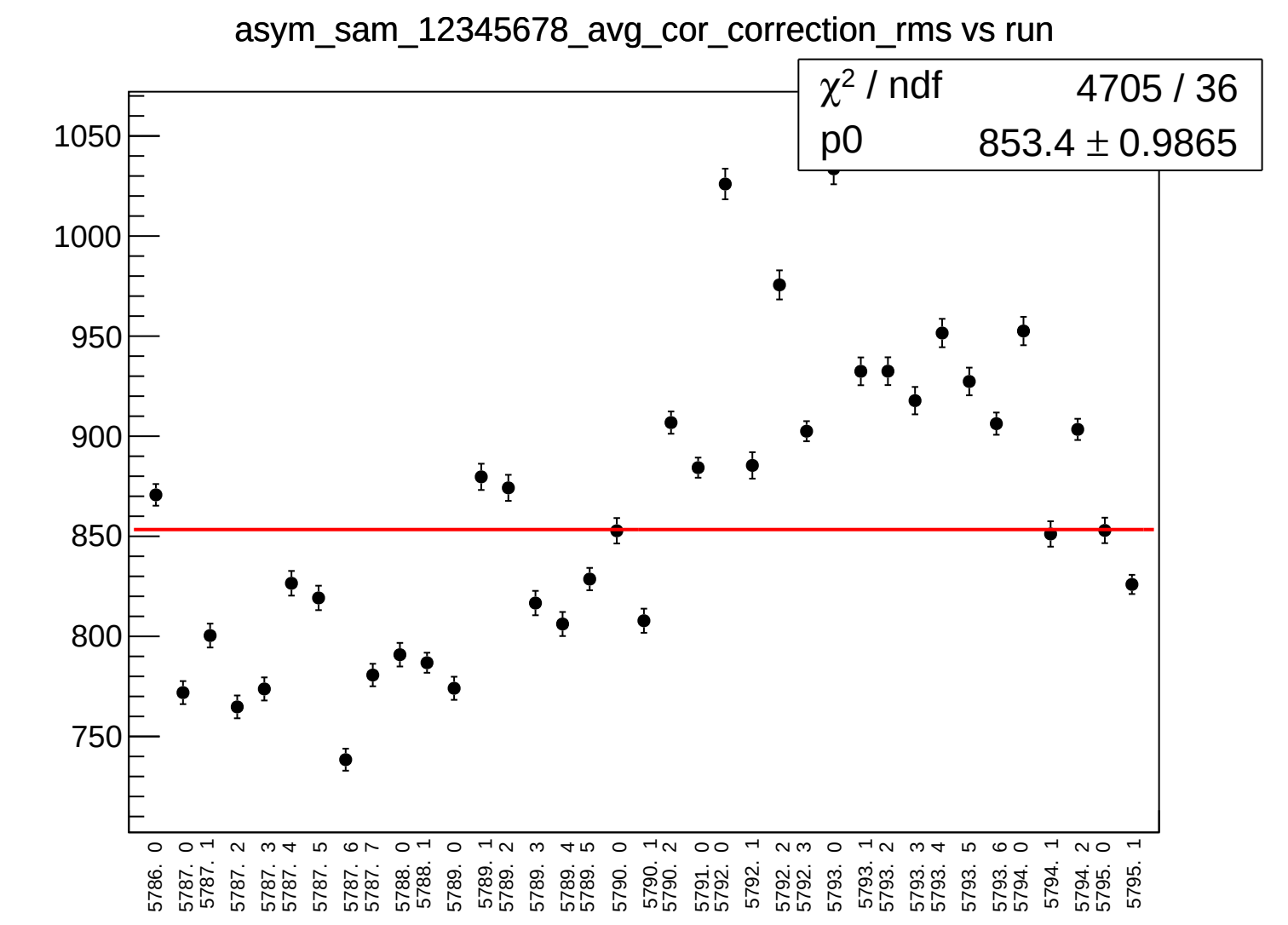

cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 25.92 / 36
p0 41.73 ± 112.6
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.04
Std Dev 33.65
2
1.5
1
0.5
0
−0.5
−1
−1.5

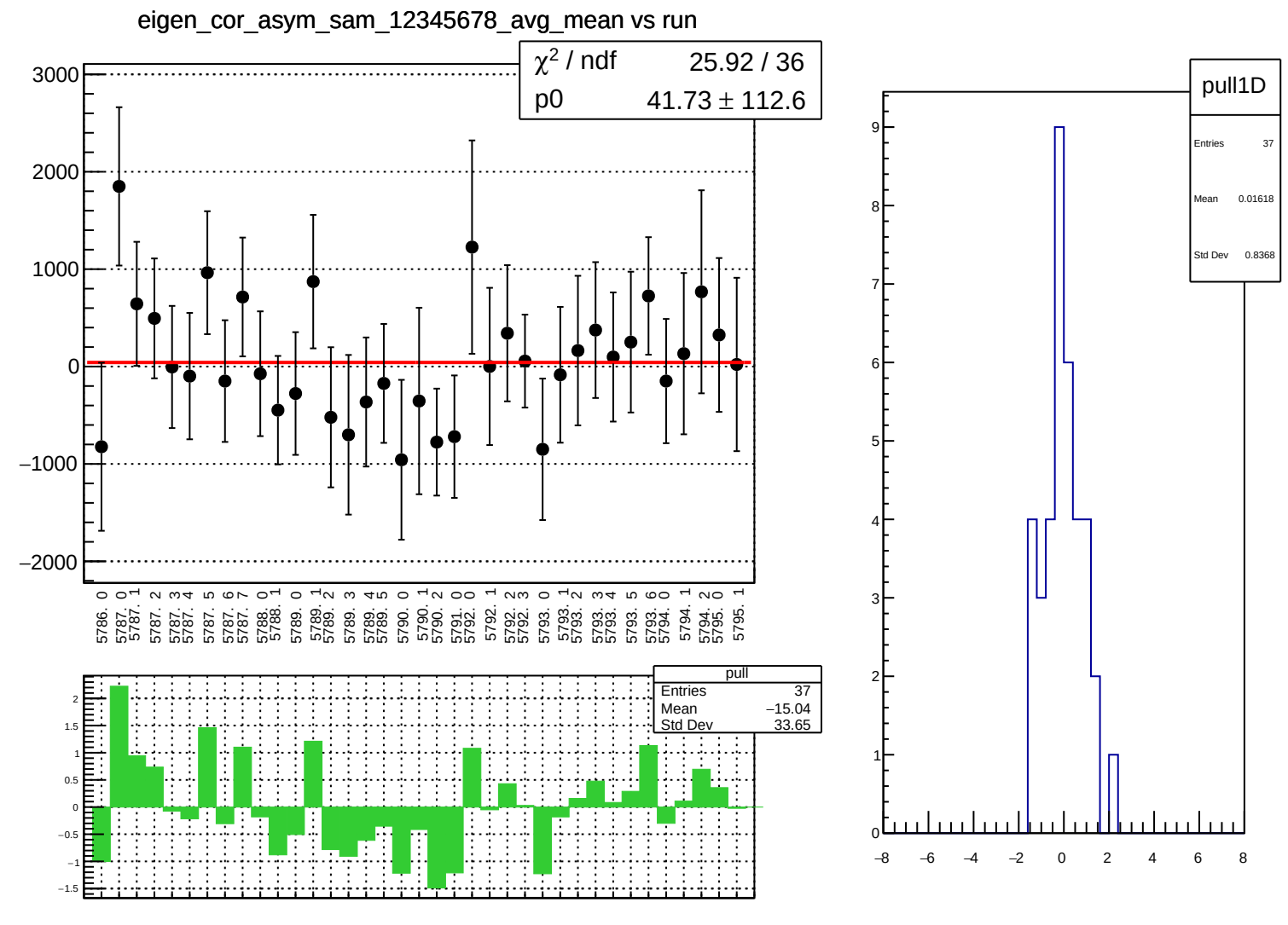

pull1D
Entries 37
Mean 0.01618
Std Dev 0.8368
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

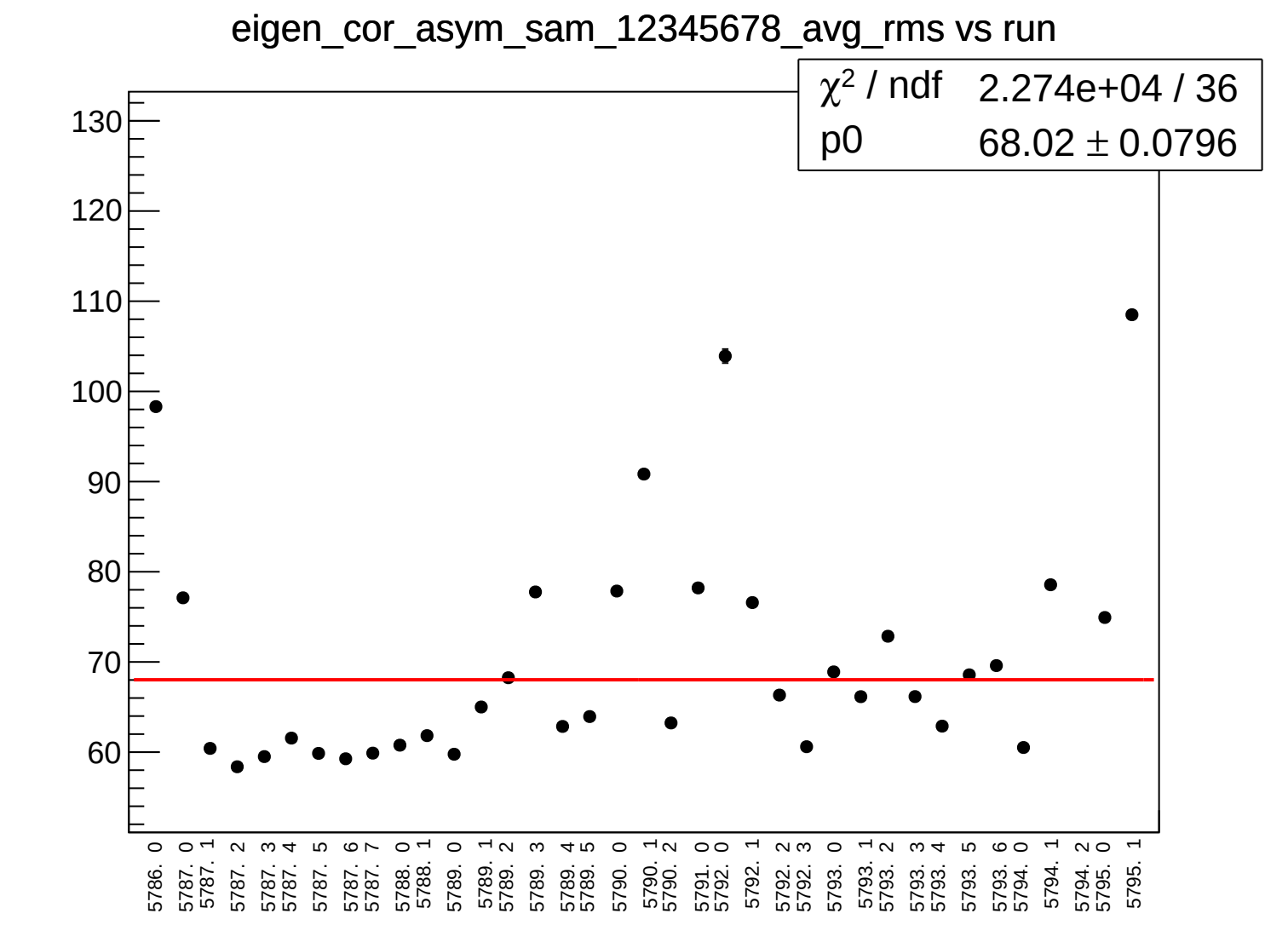

cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.274e+04 / 36
p0 68.02 ± 0.0796
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

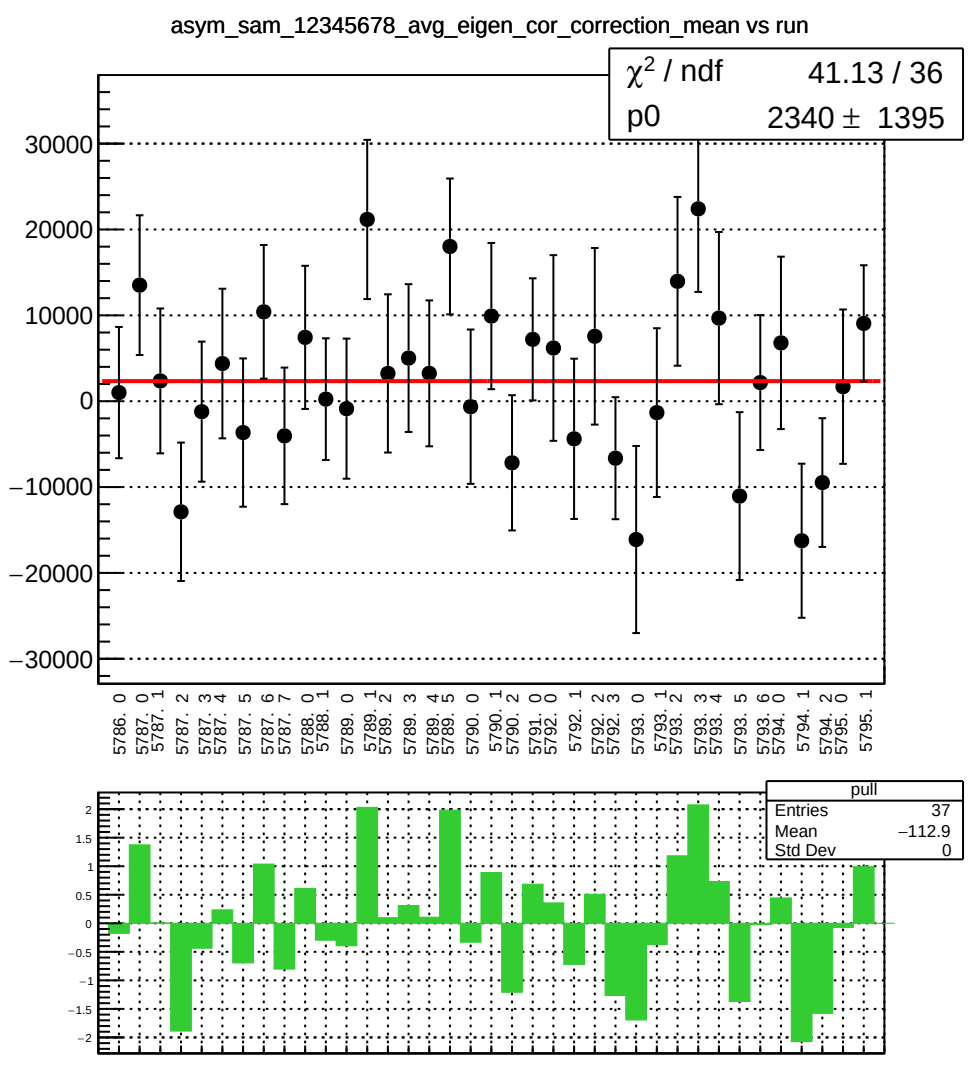

asym_sam_12345678_avg_cor_correction_mean vs run
χ² / ndf 41.13 / 36
p0 2340 ± 1395
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −112.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

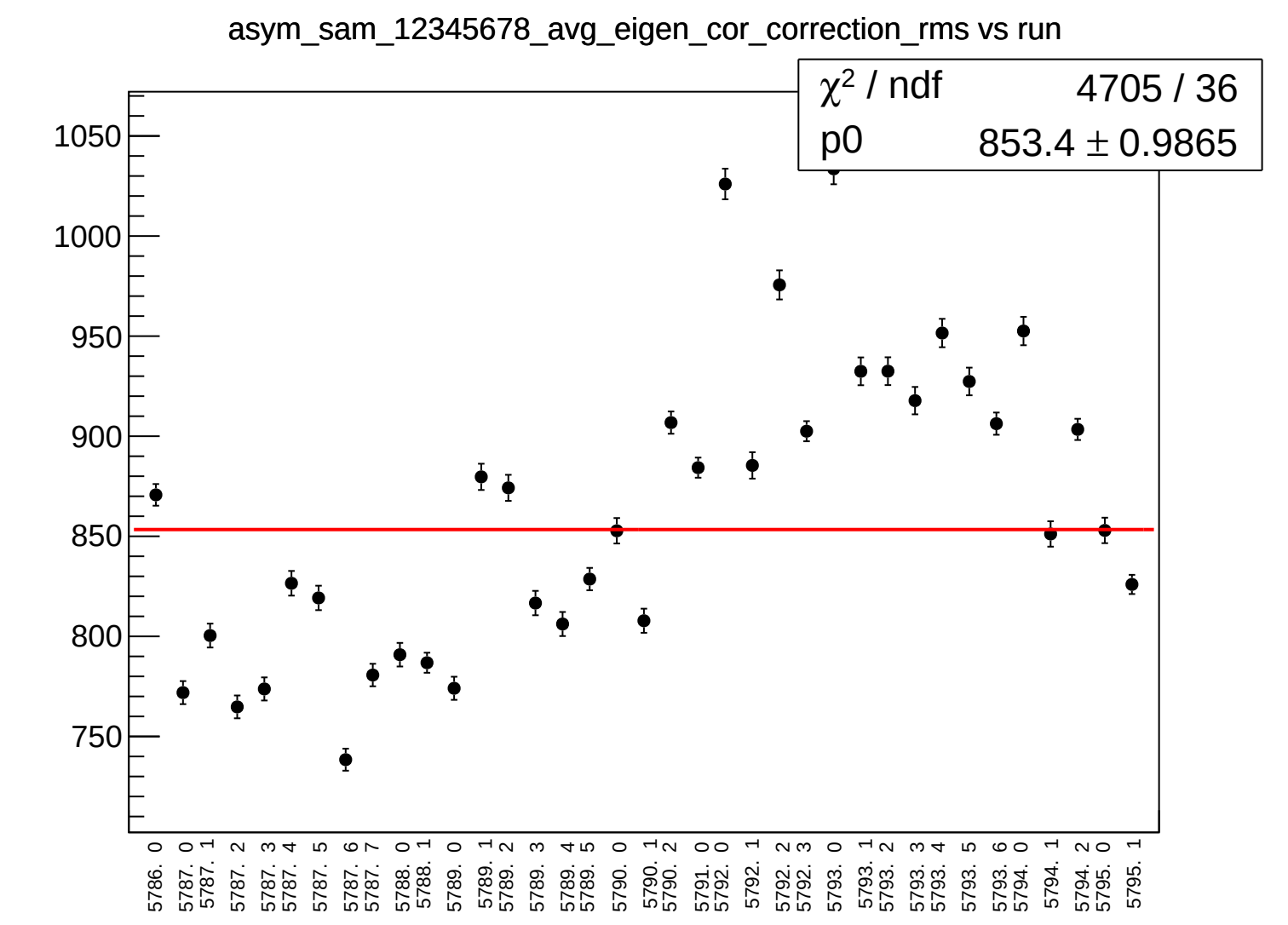

pull1D
Entries 37
Mean 0.007092
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

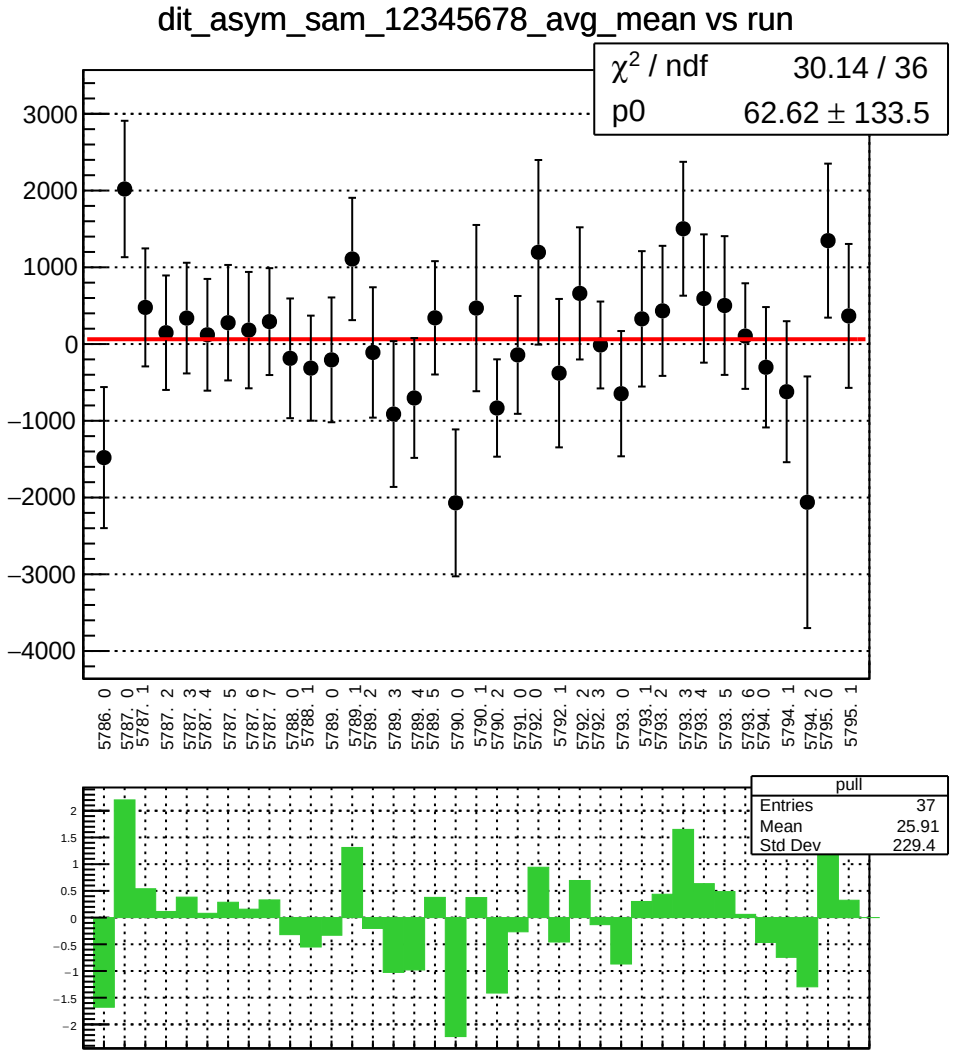

asym_sam_12345678_avg_cor_correction_rms vs run
χ² / ndf 4705 / 36
p0 853.4 ± 0.9865
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

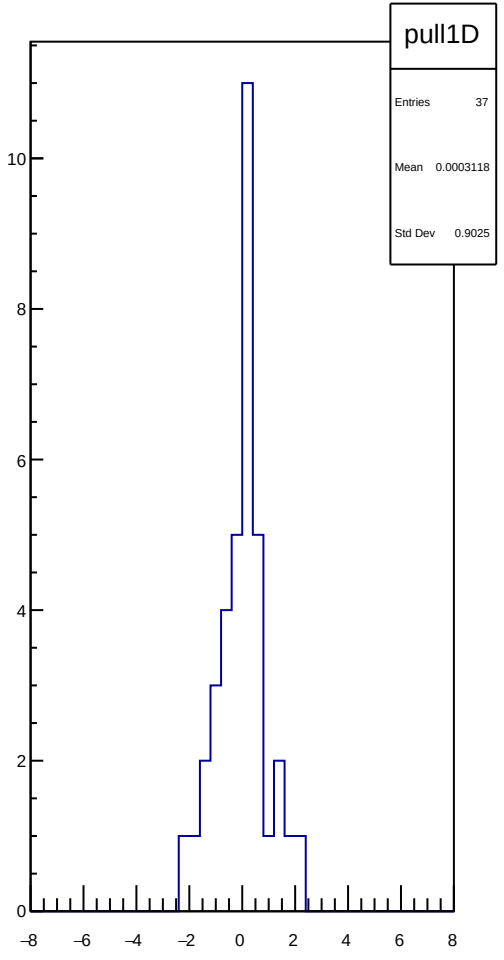

eigen_cor_asym_sam_12345678_avg_mean vs run
χ² / ndf 25.92 / 36
p0 41.73 ± 112.6
3000
2000
1000
0
−1000
−2000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −15.04
Std Dev 33.65
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.01618
Std Dev 0.8368
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

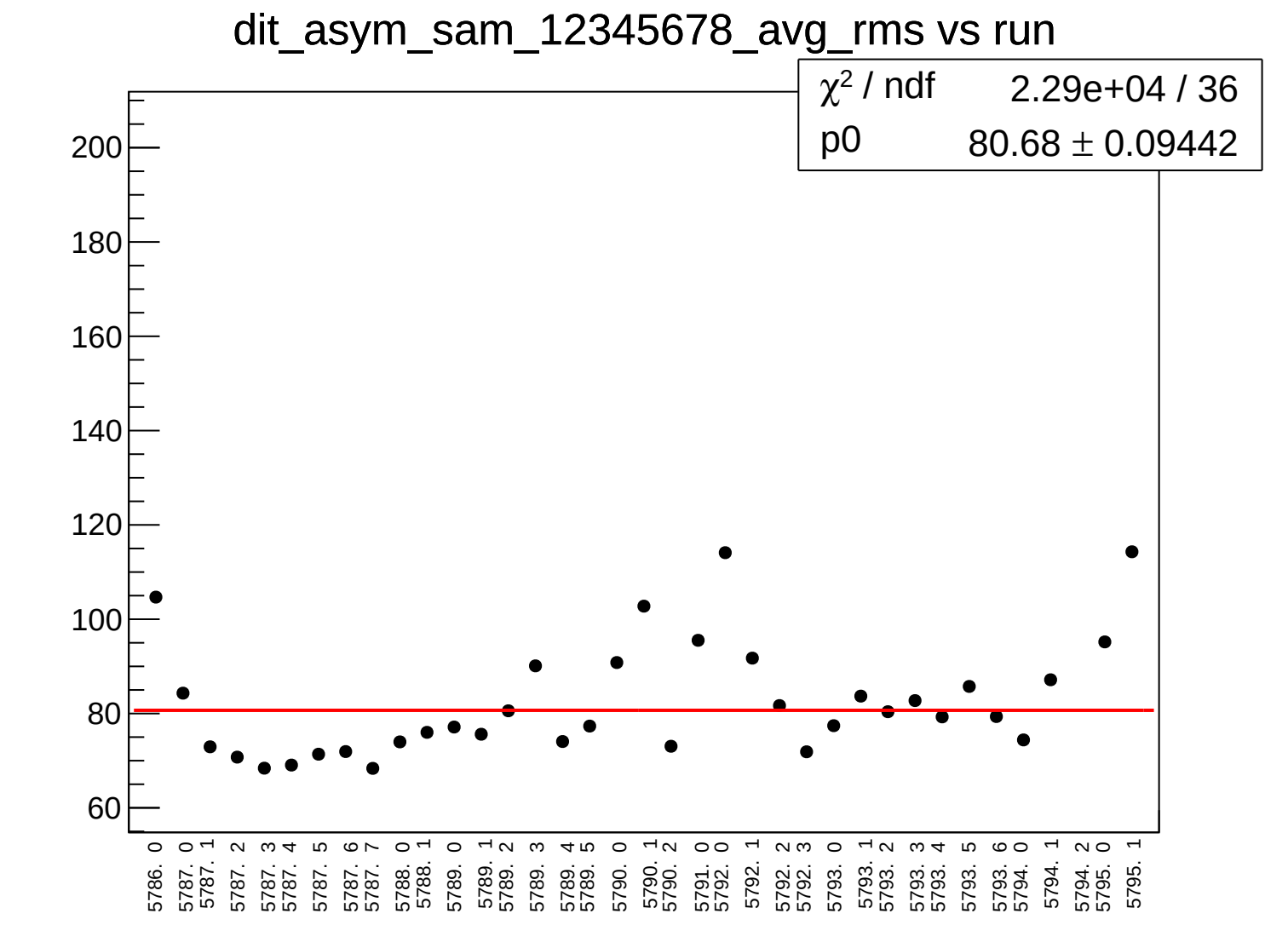

eigen_cor_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.274e+04 / 36
p0 68.02 ± 0.0796
130
120
110
100
90
80
70
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

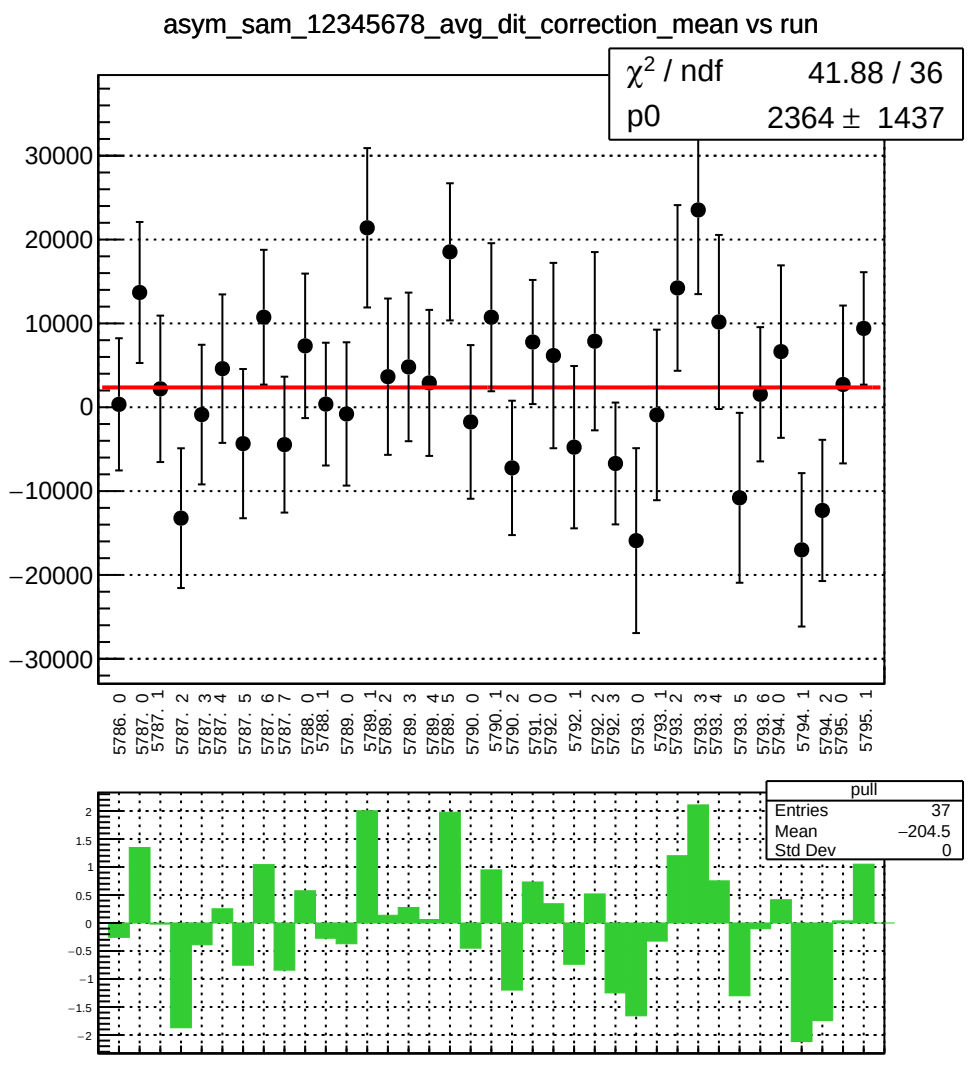

asym_sam_12345678_avg_eigen_cor_correction_mean vs run
χ² / ndf 41.13 / 36
p0 2340 ± 1395
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −112.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.007092
Std Dev 1.054
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

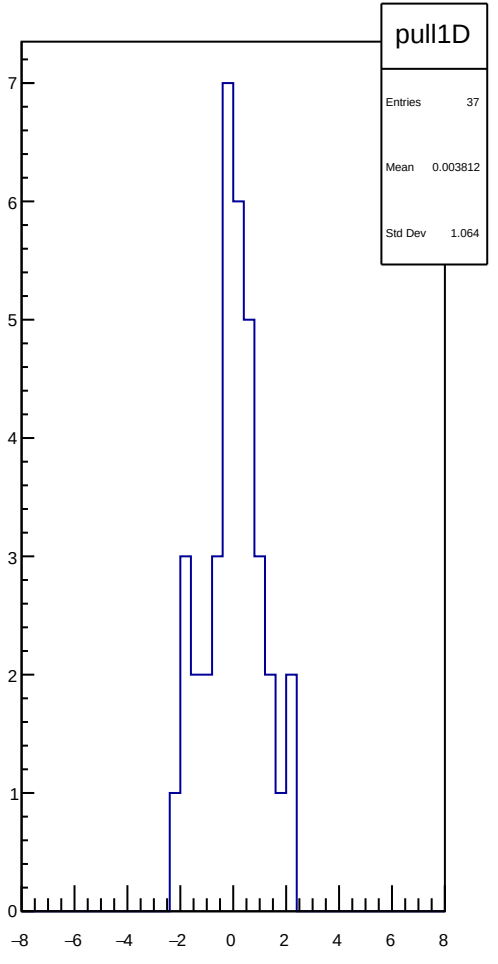

asym_sam_12345678_avg_eigen_cor_correction_rms vs run
χ² / ndf 4705 / 36
p0 853.4 ± 0.9865
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

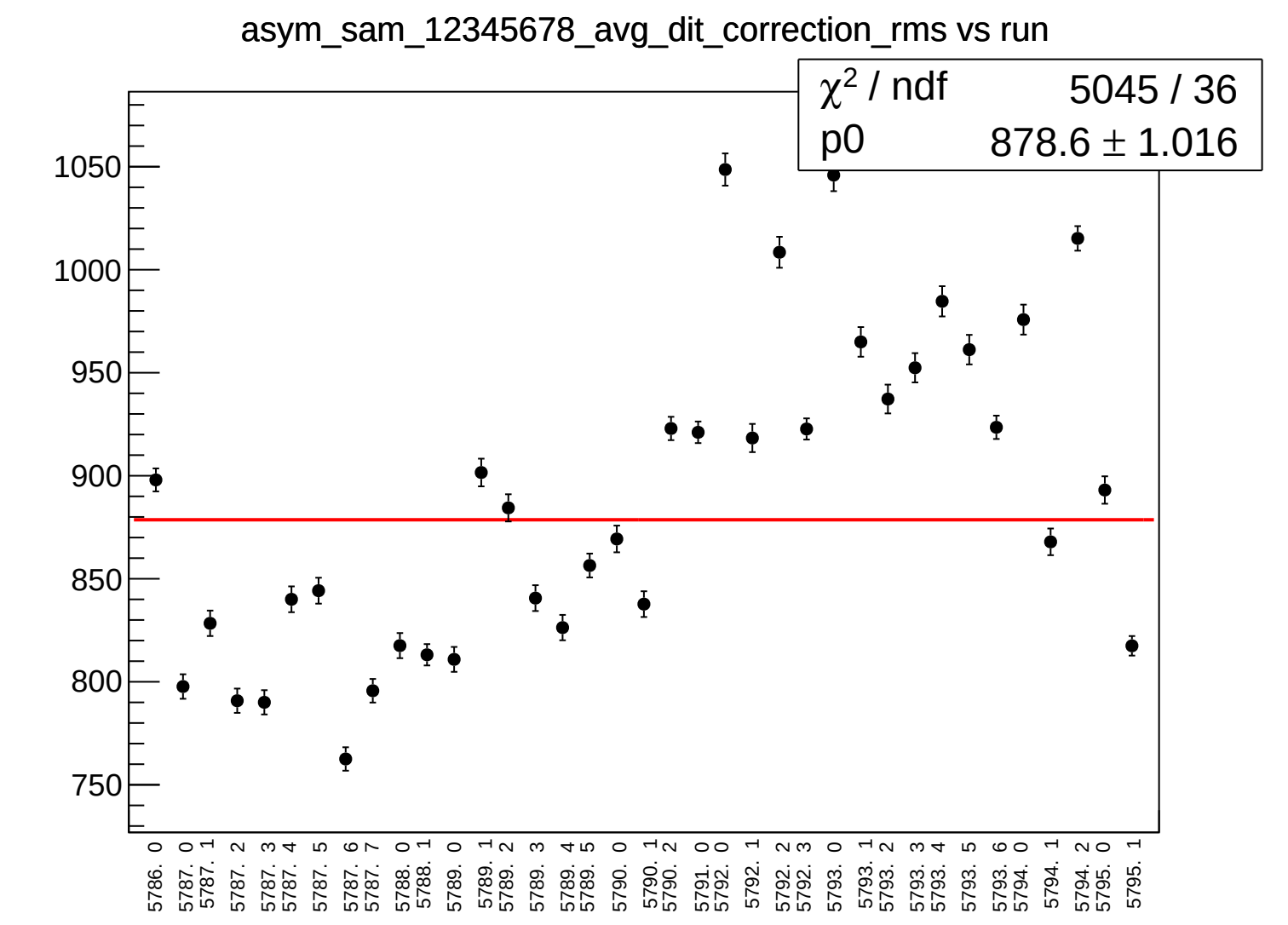

dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 30.14 / 36
p0 62.62 ± 133.5
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 25.91
Std Dev 229.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

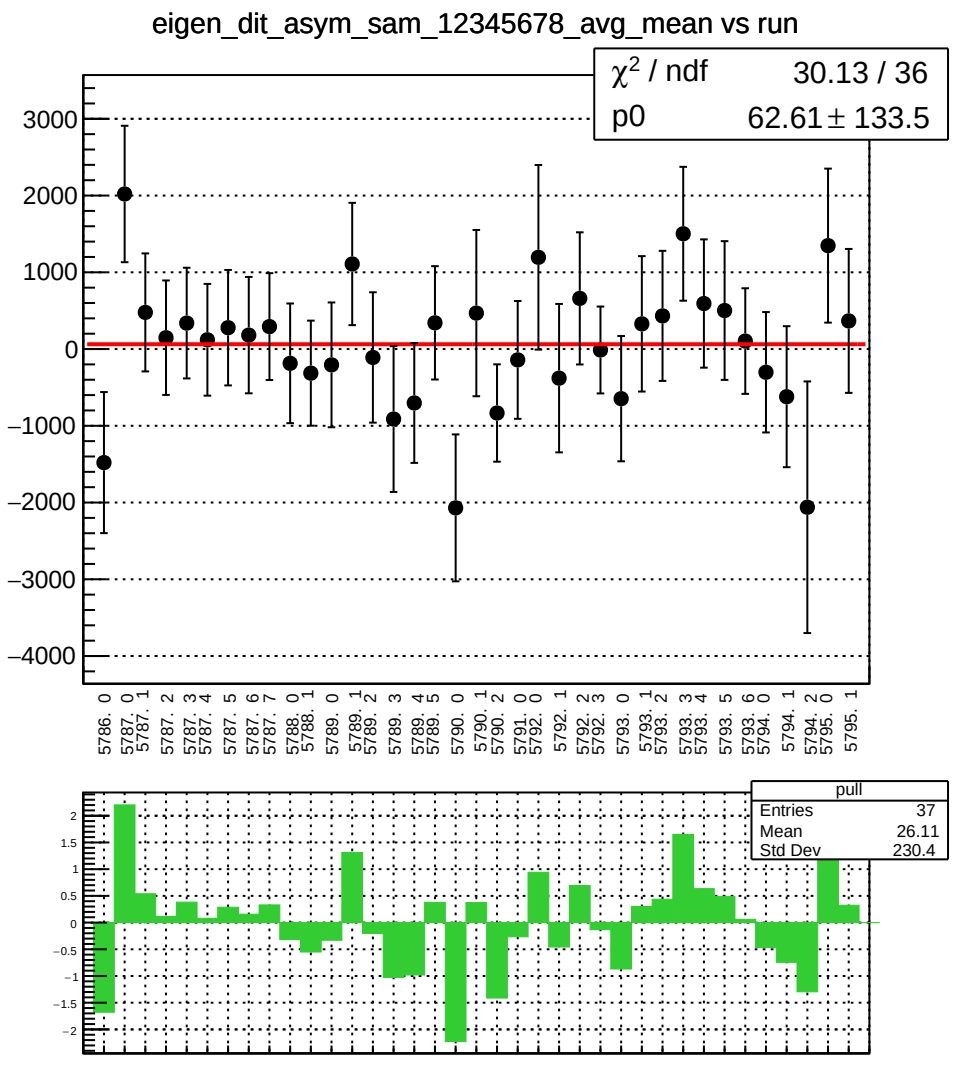

pull1D
Entries 37
Mean 0.0003118
Std Dev 0.9025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

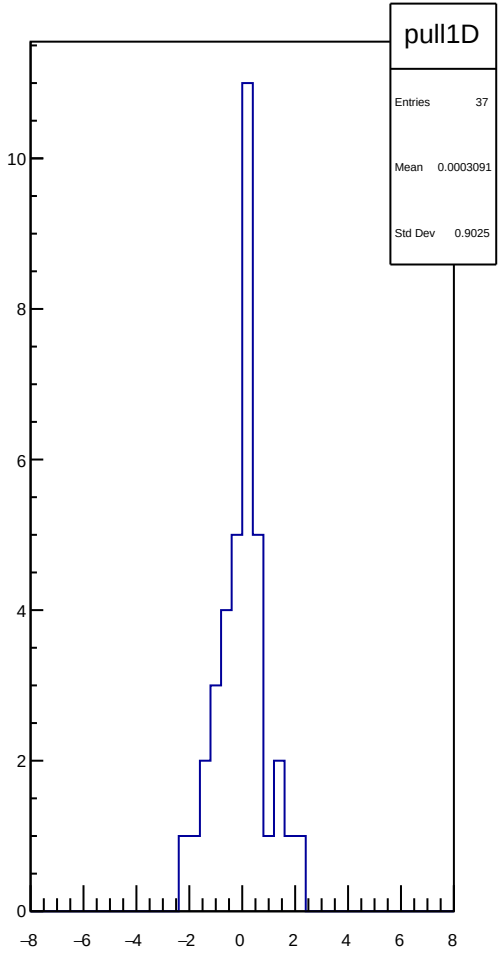

dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.29e+04 / 36
p0 80.68 ± 0.09442
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

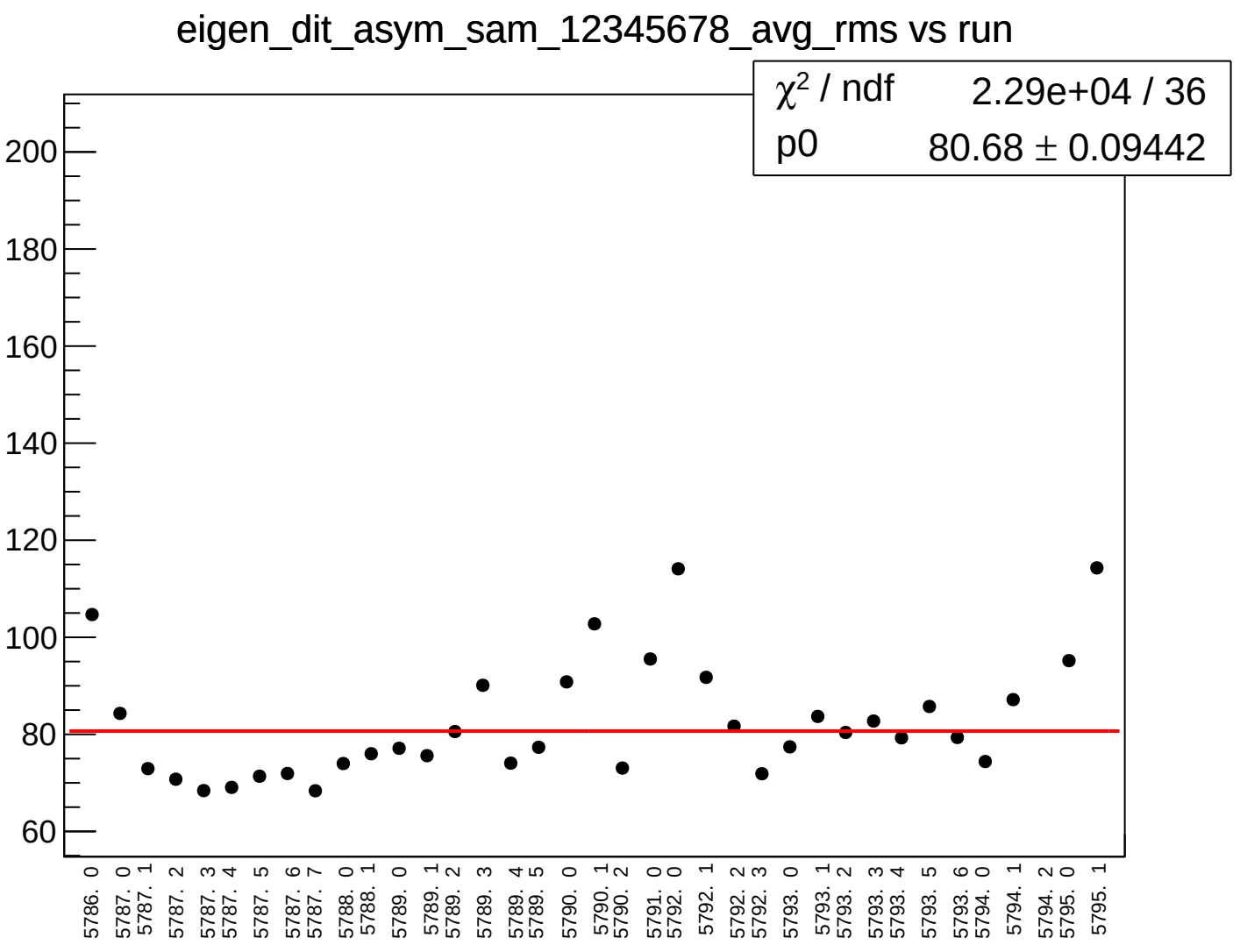

asym_sam_12345678_avg_dit_correction_mean vs run
χ² / ndf 41.88 / 36
p0 2364 ± 1437
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −204.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

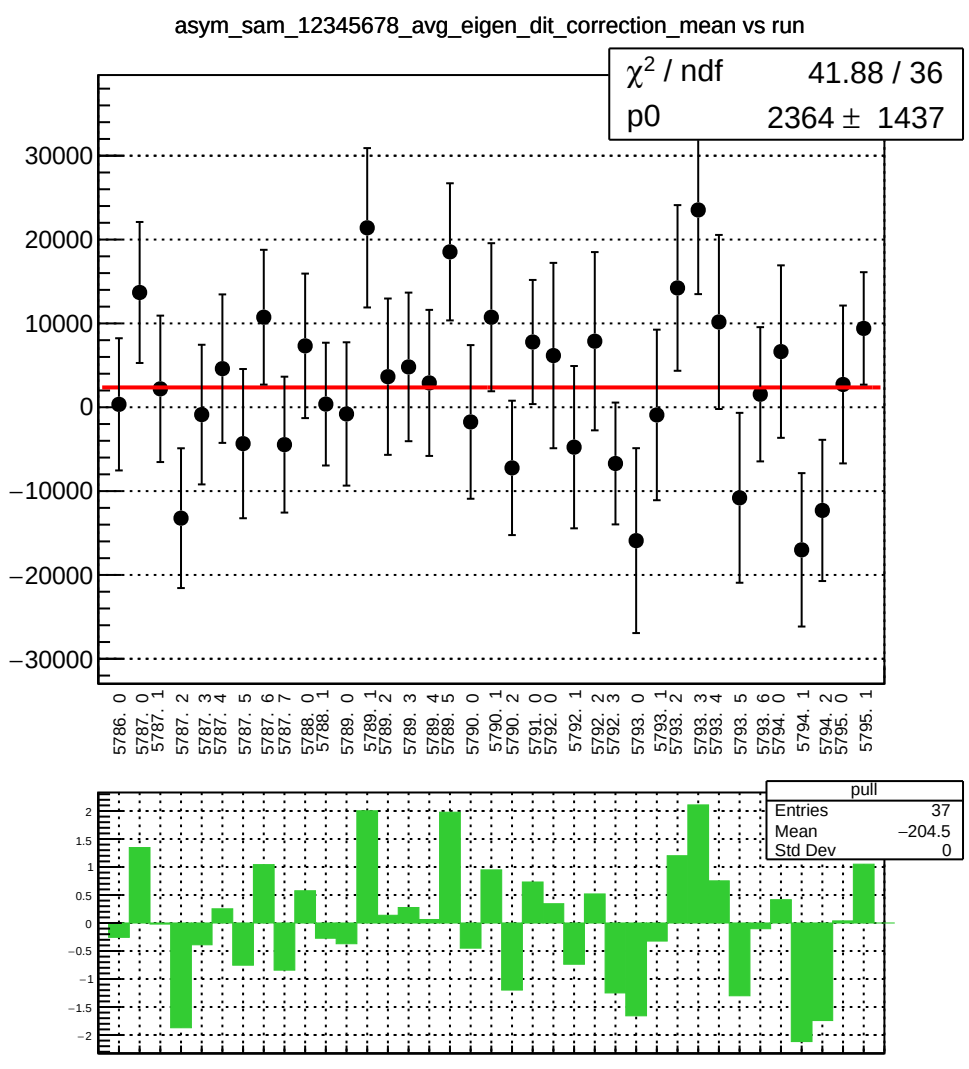

pull1D
Entries 37
Mean 0.003812
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

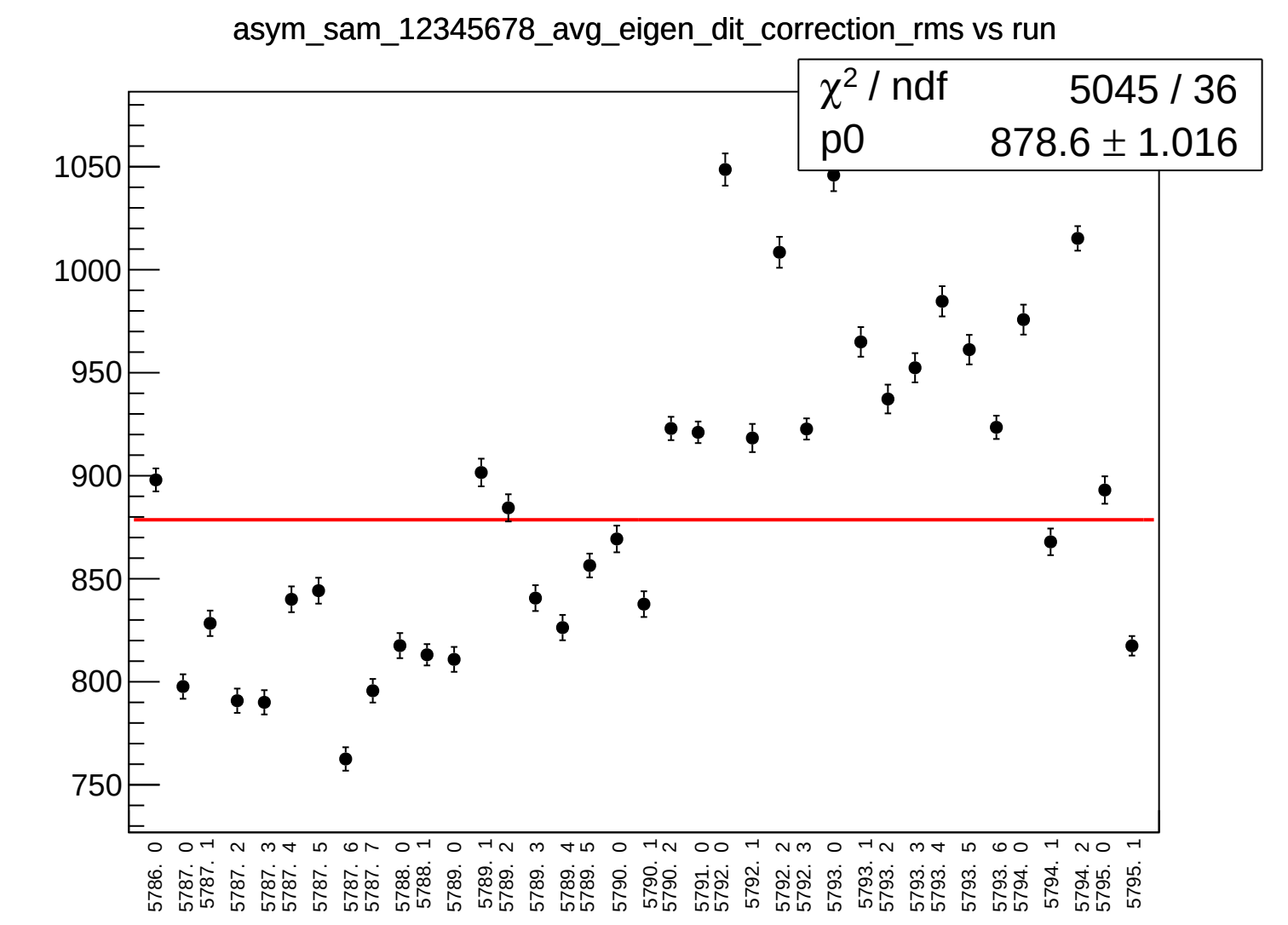

asym_sam_12345678_avg_dit_correction_rms vs run
χ² / ndf 5045 / 36
p0 878.6 ± 1.016
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


eigen_dit_asym_sam_12345678_avg_mean vs run
χ² / ndf 30.13 / 36
p0 62.61 ± 133.5
3000
2000
1000
0
−1000
−2000
−3000
−4000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 26.11
Std Dev 230.4
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.0003091
Std Dev 0.9025
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


eigen_dit_asym_sam_12345678_avg_rms vs run
χ² / ndf 2.29e+04 / 36
p0 80.68 ± 0.09442
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1


asym_sam_12345678_avg_eigen_dit_correction_mean vs run
χ² / ndf 41.88 / 36
p0 2364 ± 1437
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −204.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.003812
Std Dev 1.064
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


asym_sam_12345678_avg_eigen_dit_correction_rms vs run
χ² / ndf 5045 / 36
p0 878.6 ± 1.016
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
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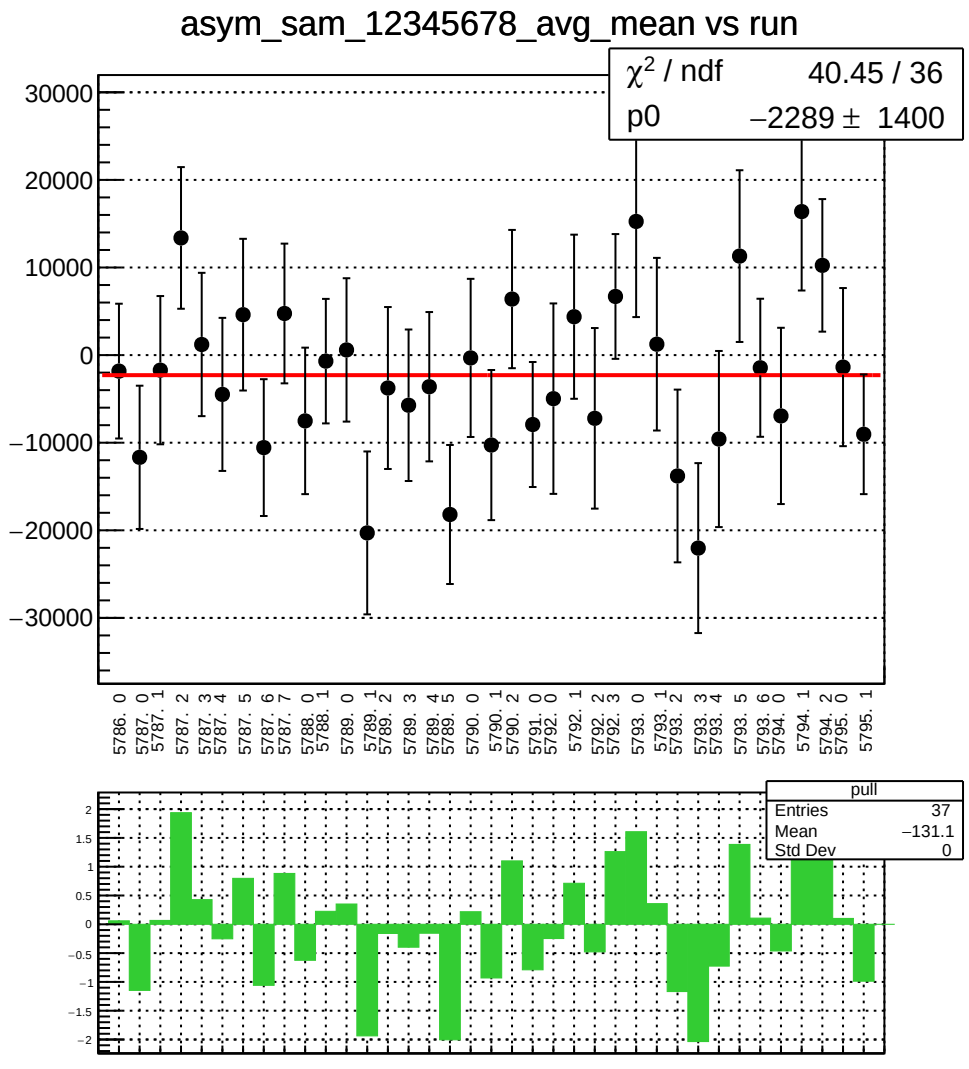
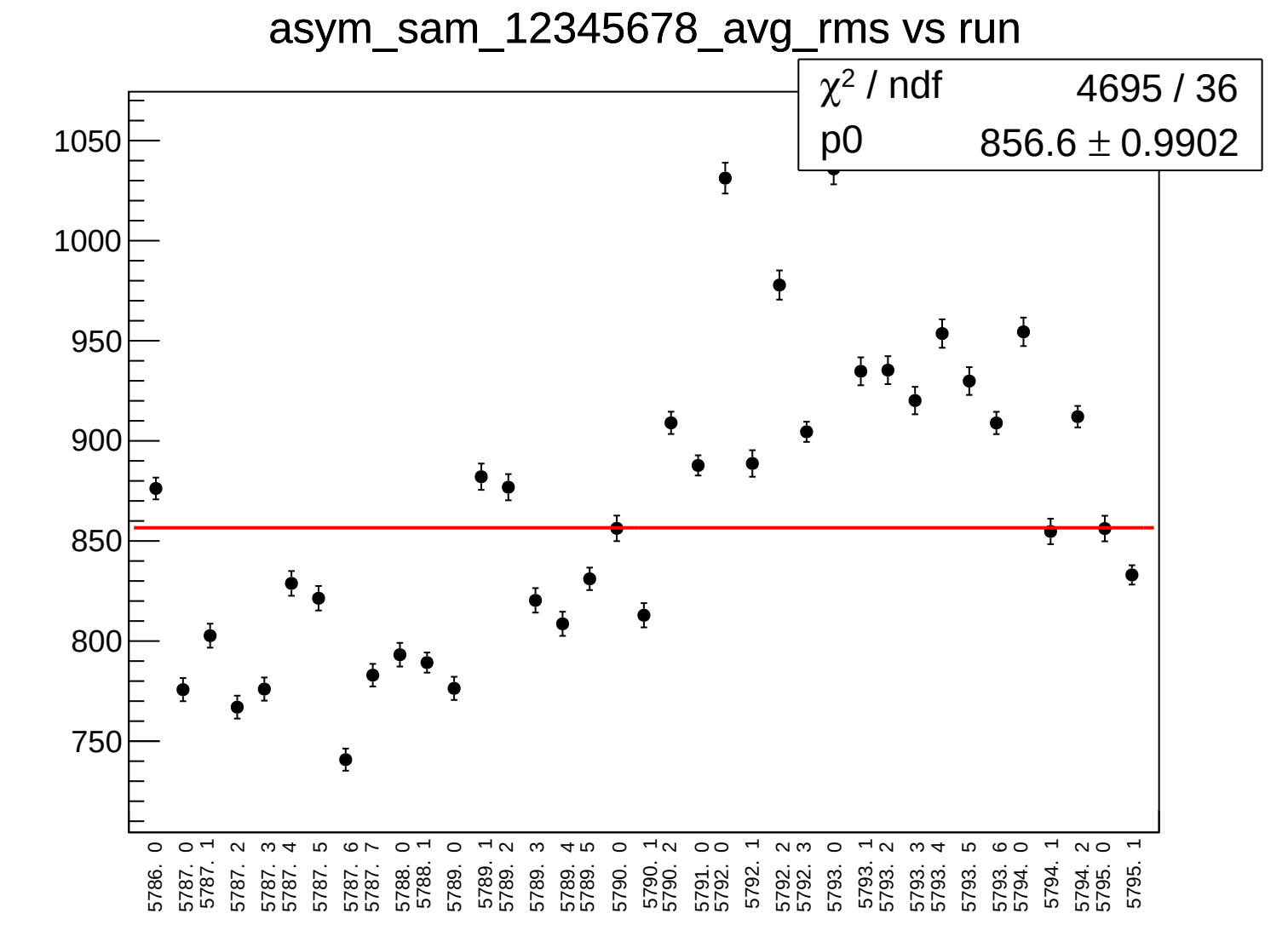
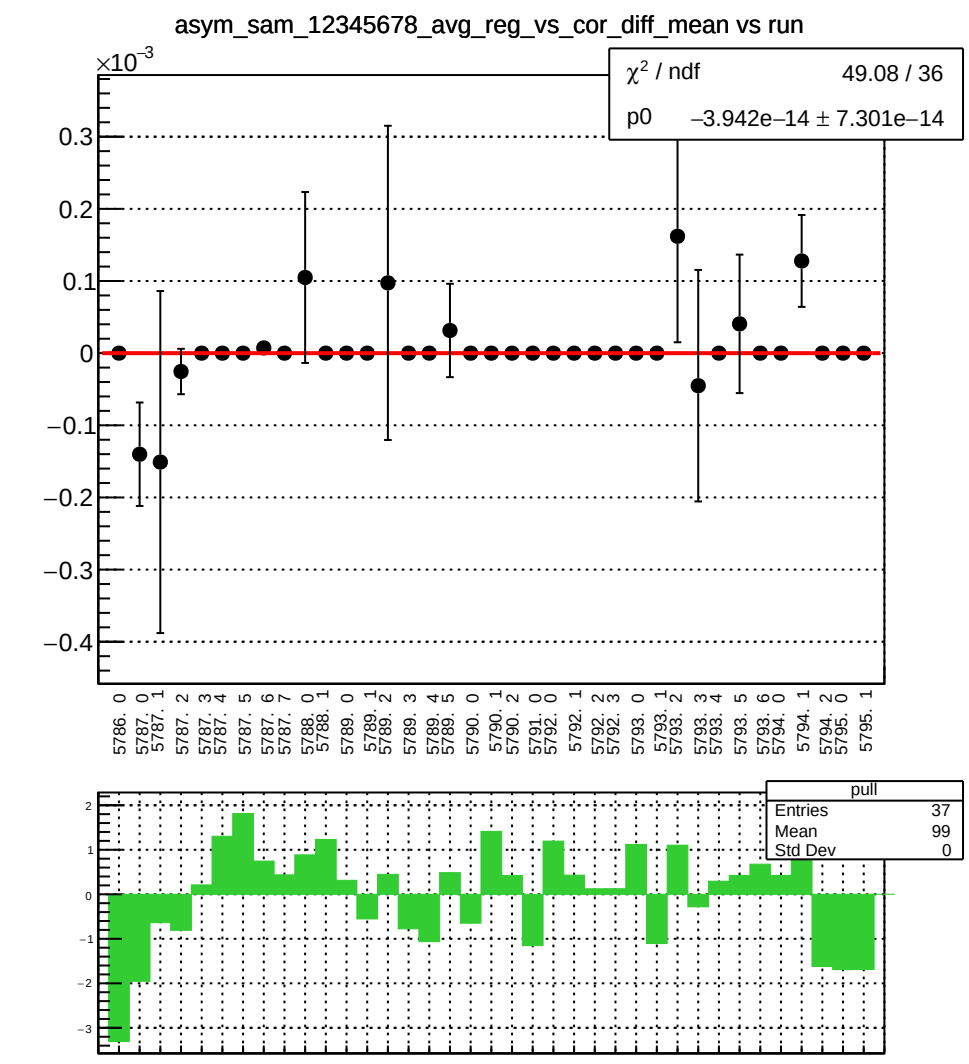
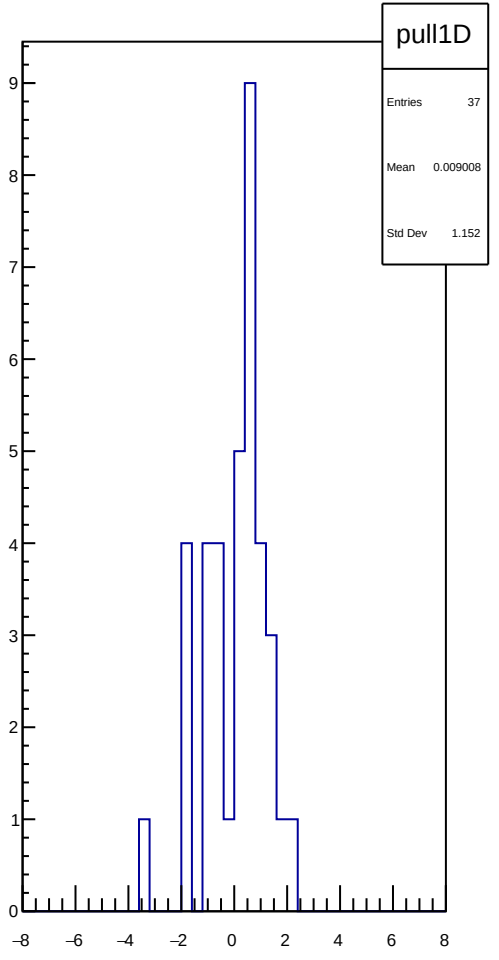
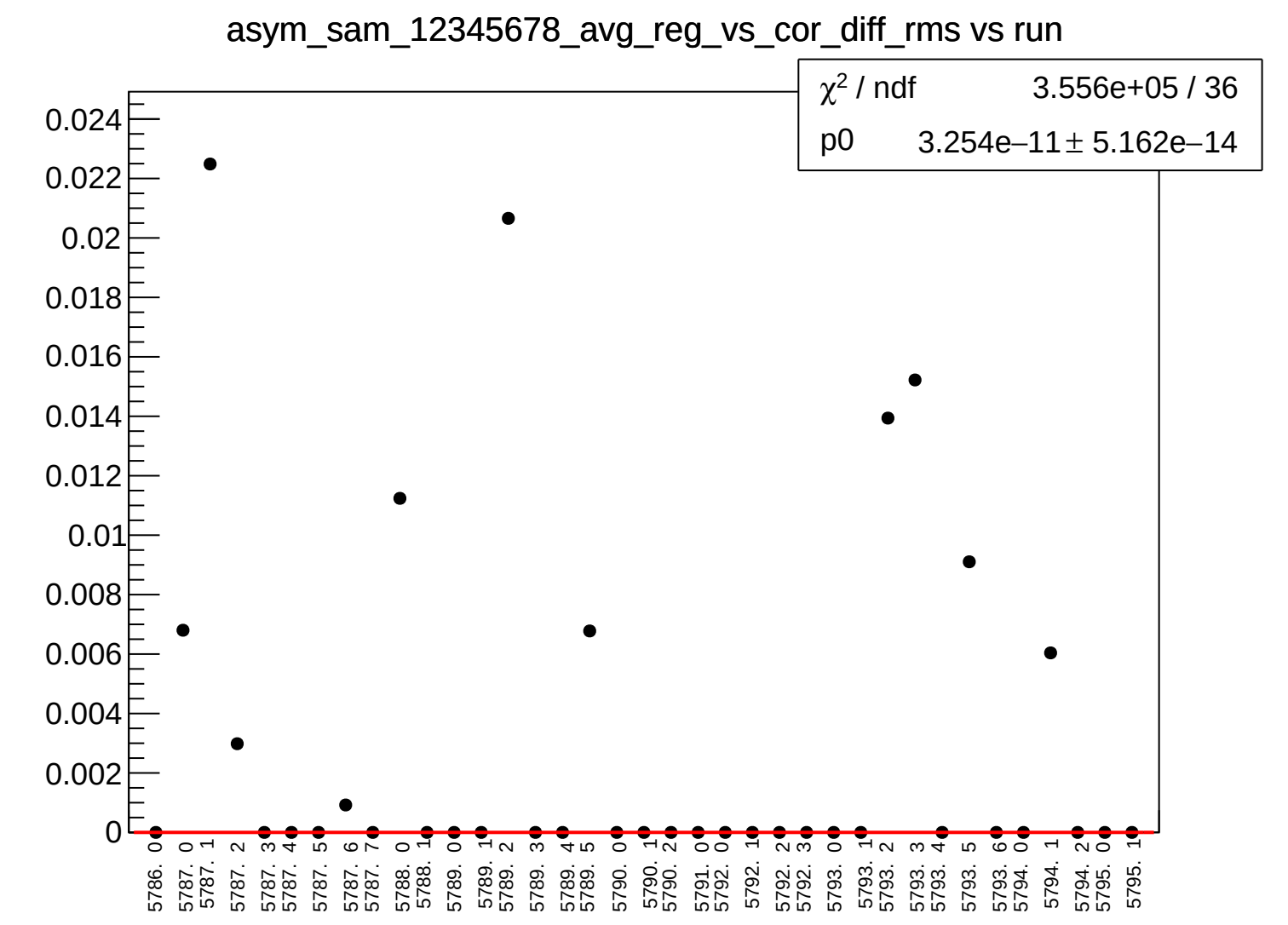
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

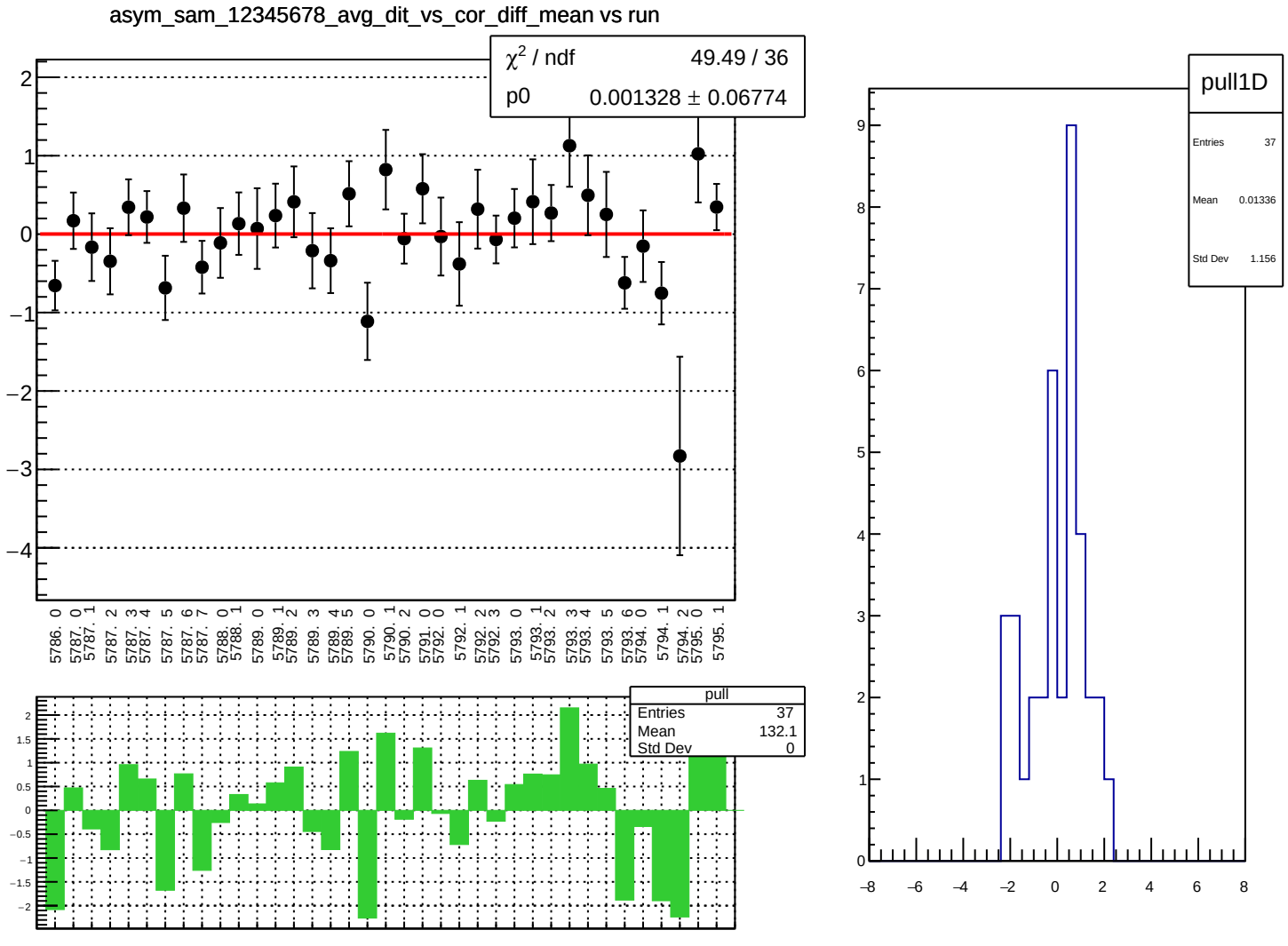

asym_sam_12345678_avg_mean vs run
χ² / ndf 40.45 / 36
p0 −2289 ± 1400
30000
20000
10000
0
−10000
−20000
−30000
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −131.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.006073
Std Dev 1.046
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

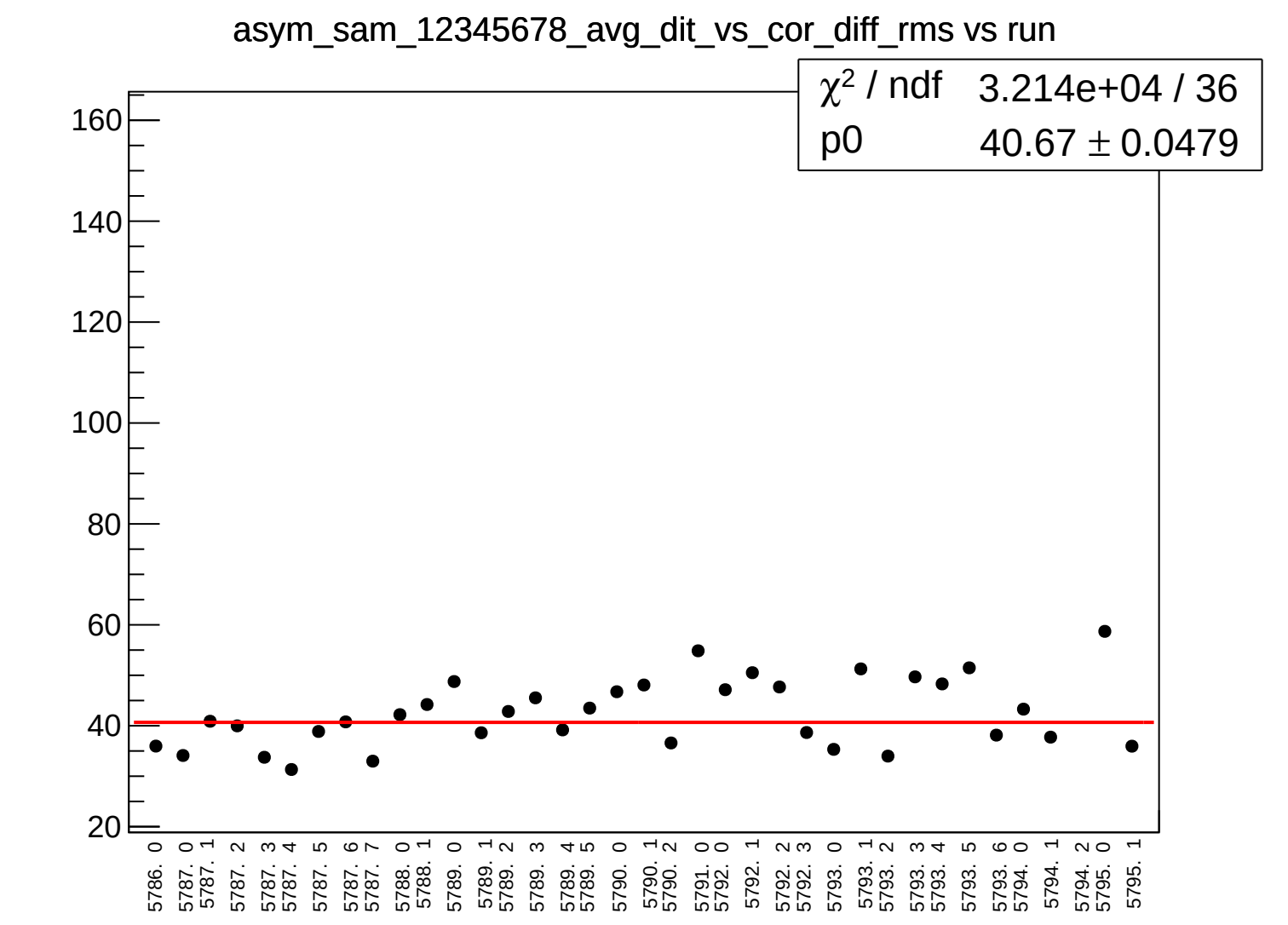

asym_sam_12345678_avg_rms vs run
χ² / ndf 4695 / 36
p0 856.6 ± 0.9902
1050
1000
950
900
850
800
750
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

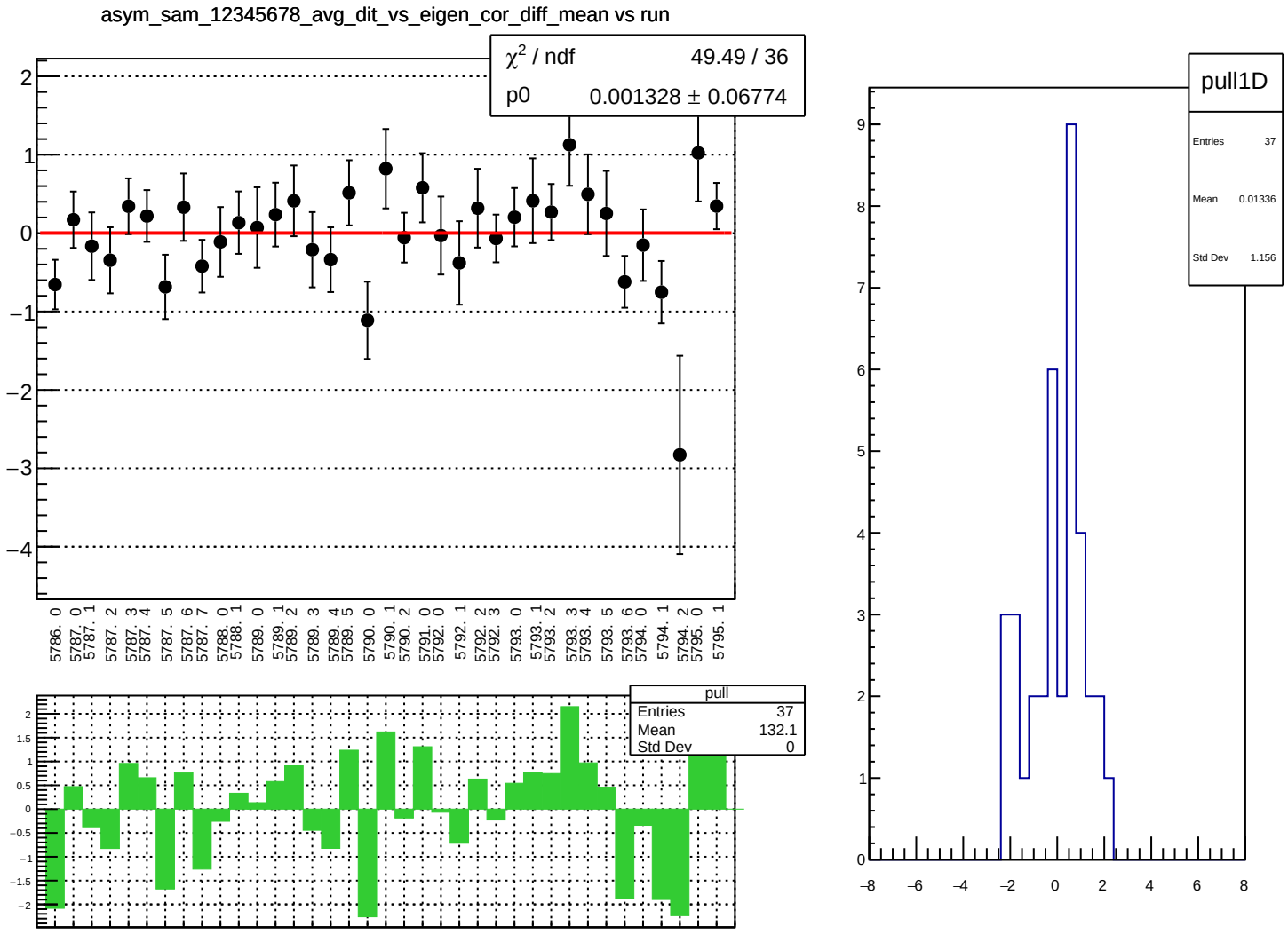

asym_sam_12345678_avg_reg_vs_cor_diff_mean vs run
×10⁻³
χ² / ndf 49.08 / 36
p0 −3.942e−14 ± 7.301e−14
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 99
Std Dev 0
2
1
0
−1
−2
−3

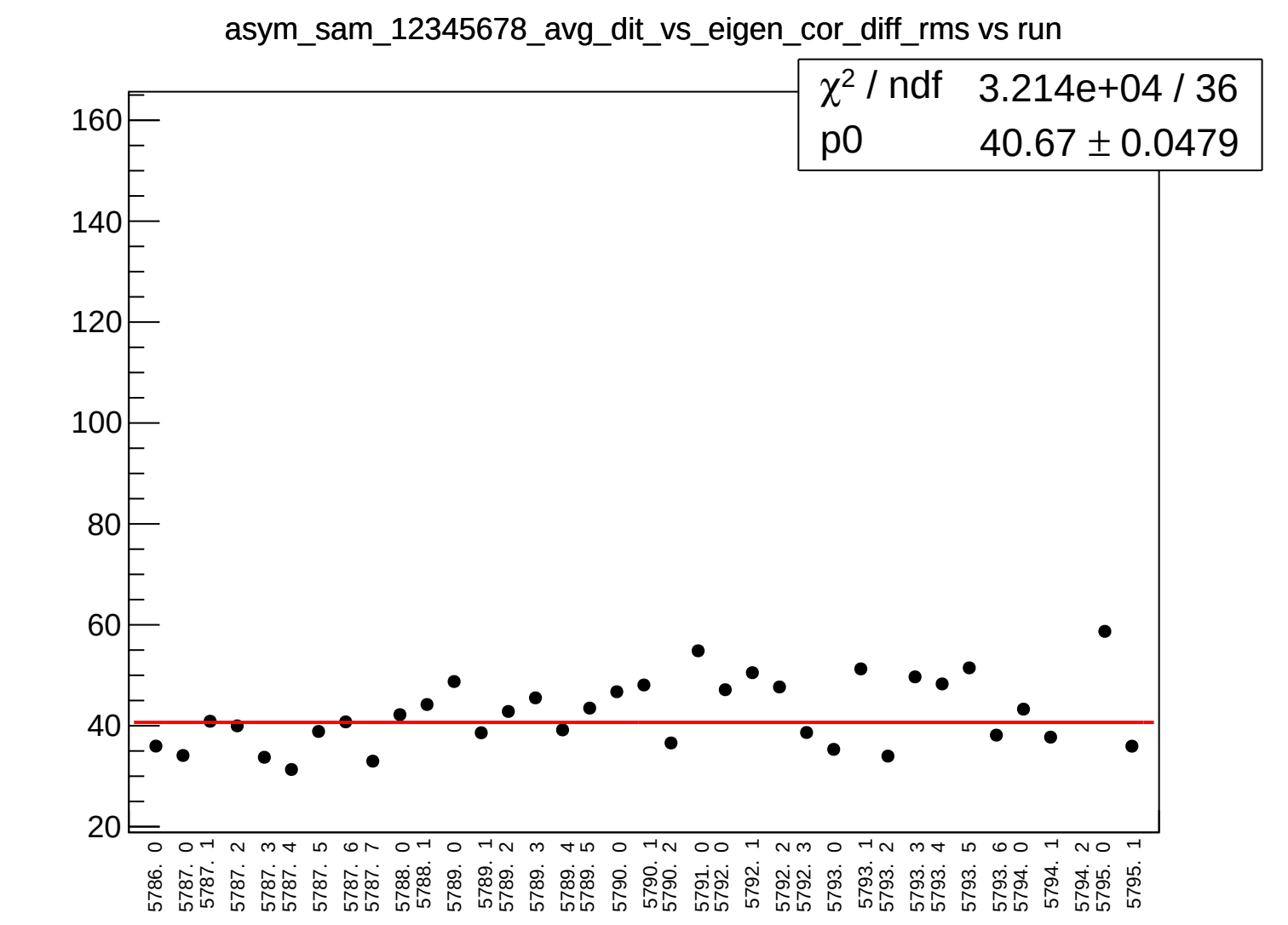

pull1D
Entries 37
Mean 0.009008
Std Dev 1.152
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

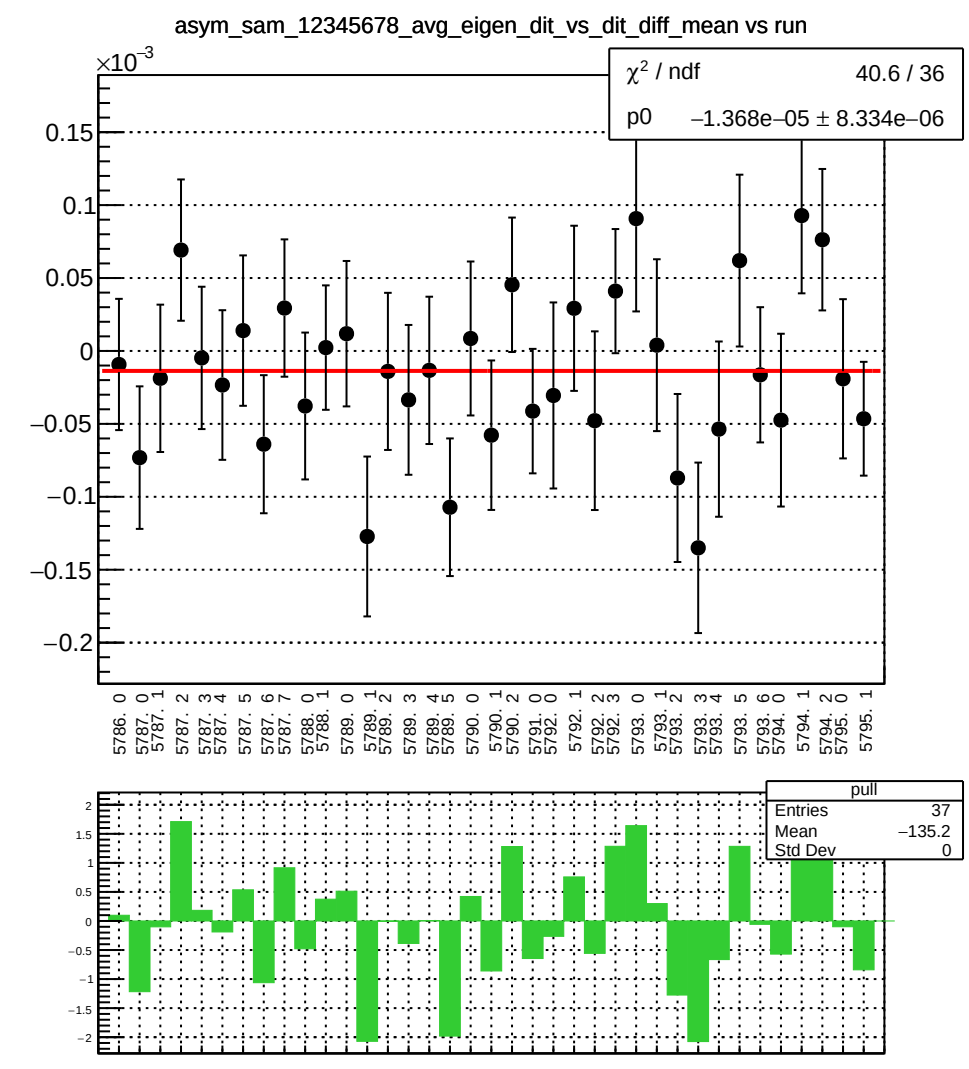

asym_sam_12345678_avg_reg_vs_cor_diff_rms vs run
χ² / ndf 3.556e+05 / 36
p0 3.254e−11 ± 5.162e−14
0.024
0.022
0.02
0.018
0.016
0.014
0.012
0.01
0.008
0.006
0.004
0.002
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

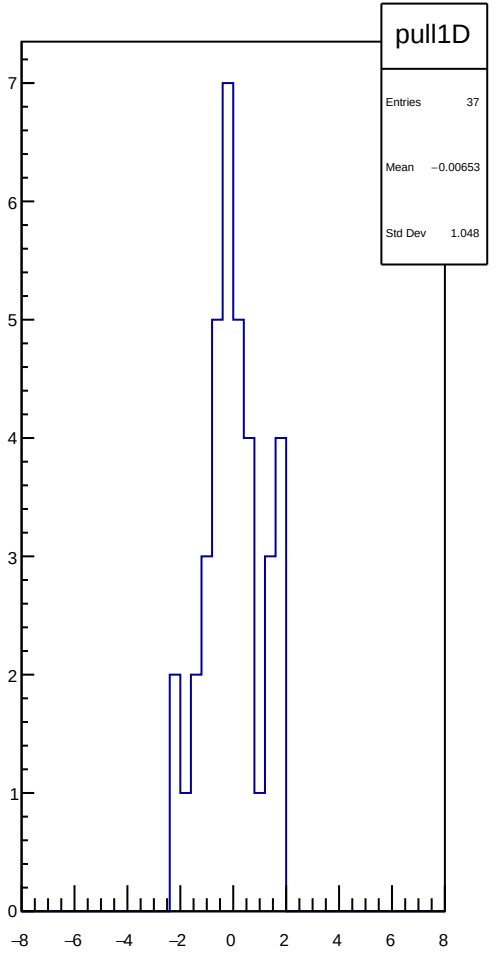

asym_sam_12345678_avg_dit_vs_cor_diff_mean vs run
χ² / ndf 49.49 / 36
p0 0.001328 ± 0.06774
pull
Entries 37
Mean 132.1
Std Dev 0
pull1D
Entries 37
Mean 0.01336
Std Dev 1.156

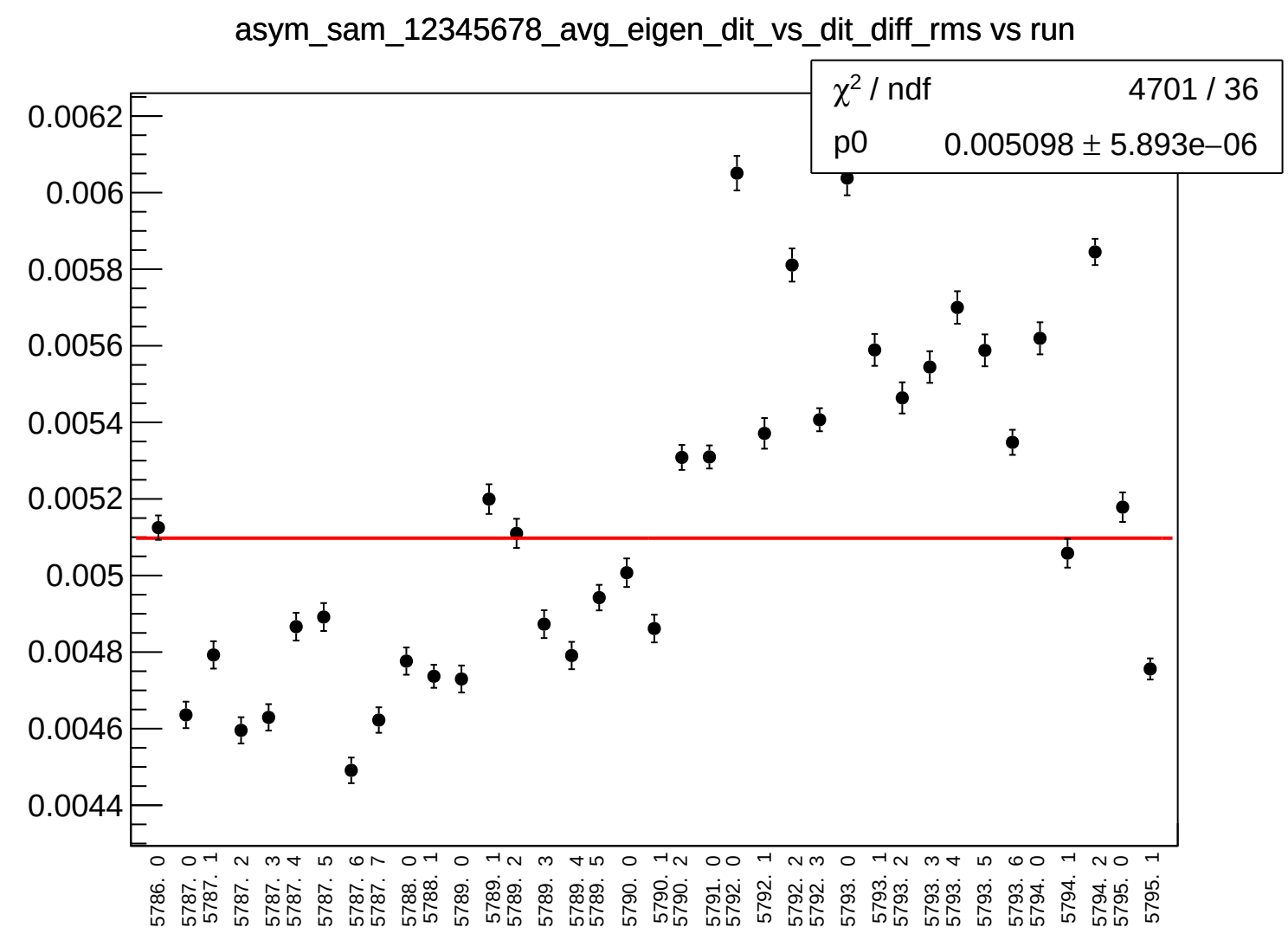

asym_sam_12345678_avg_dit_vs_cor_diff_rms vs run
χ² / ndf 3.214e+04 / 36
p0 40.67 ± 0.0479
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

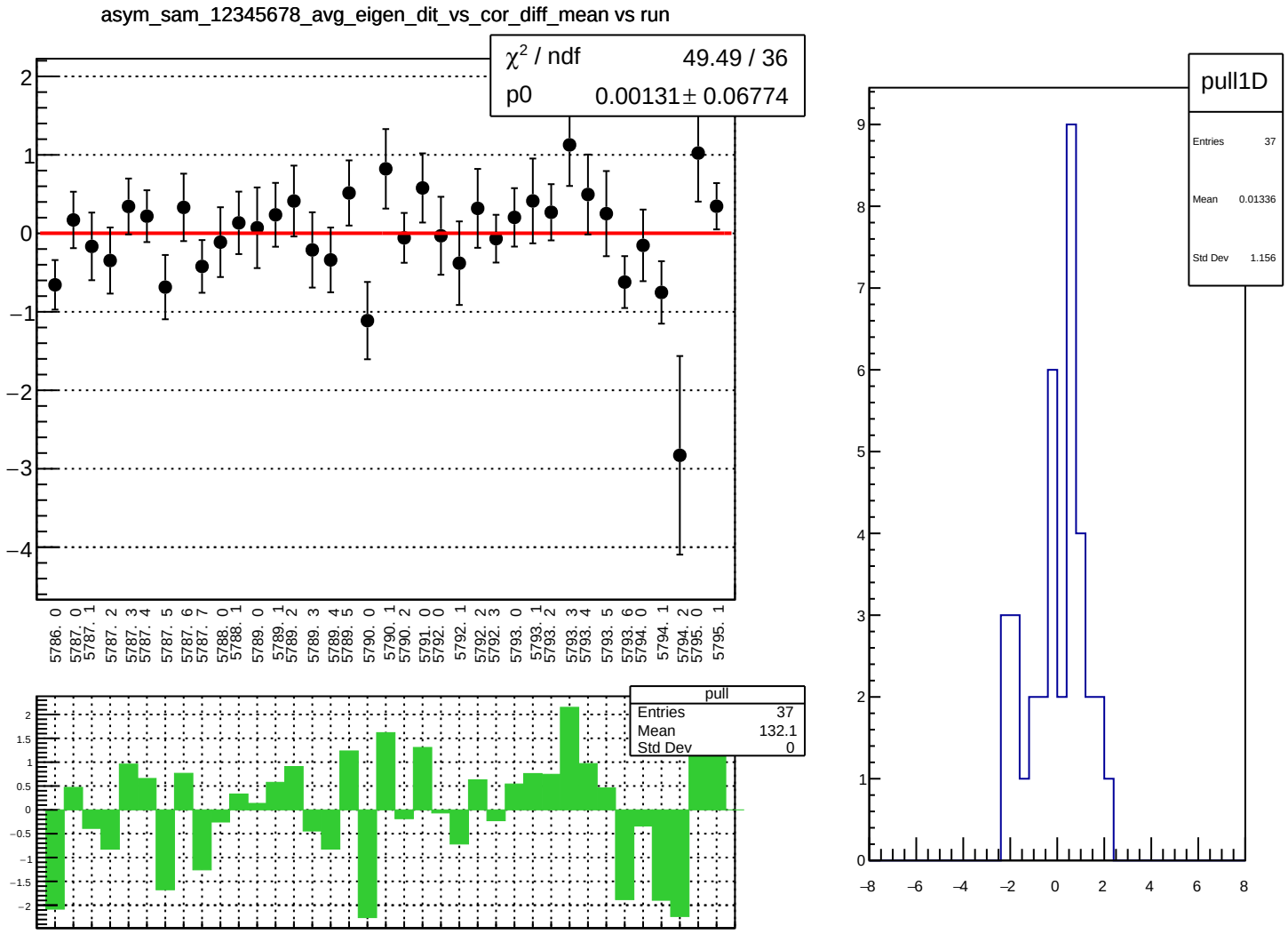

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.49 / 36
p0 0.001328 ± 0.06774
pull
Entries 37
Mean 132.1
Std Dev 0
pull1D
Entries 37
Mean 0.01336
Std Dev 1.156

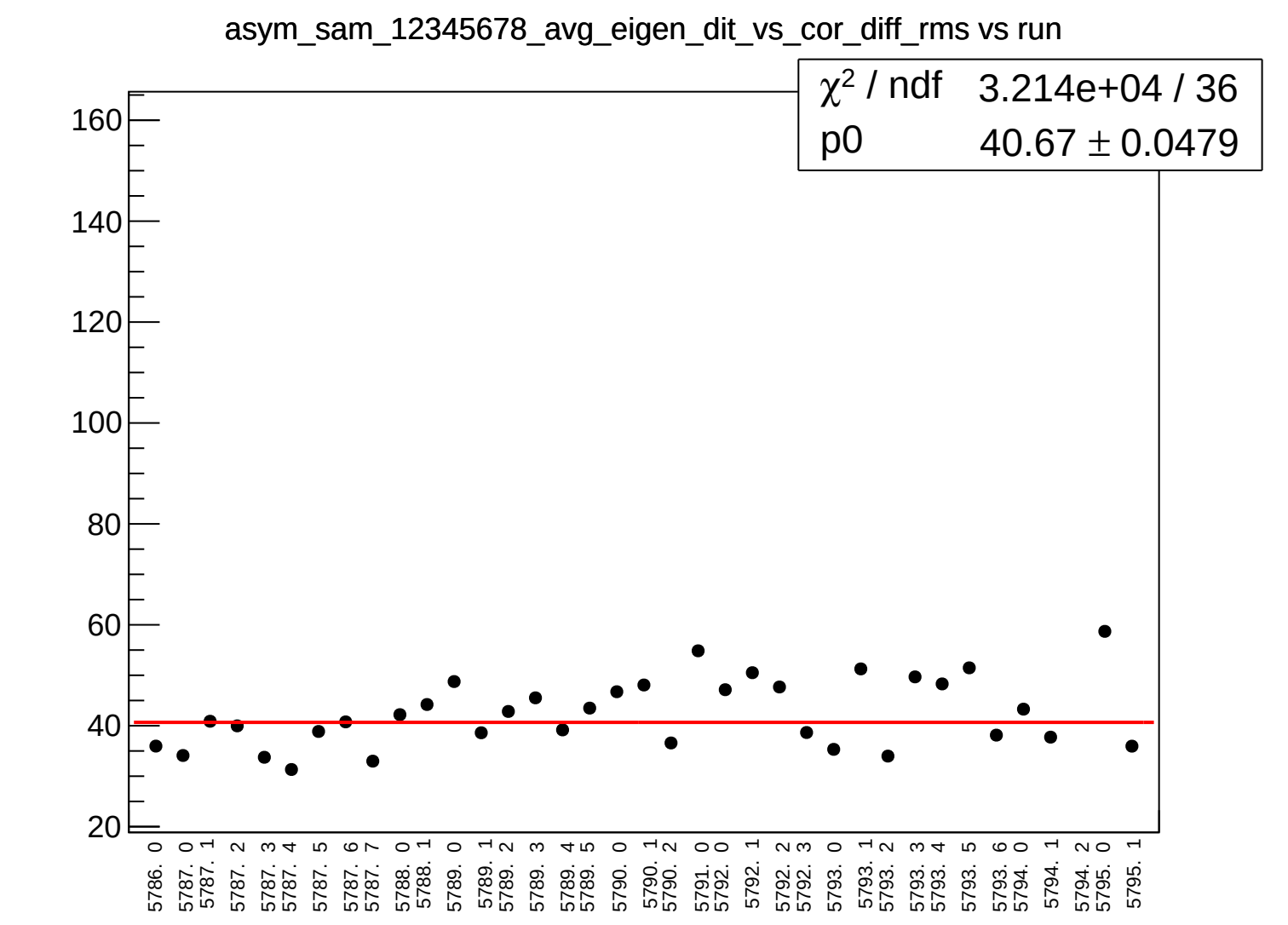

asym_sam_12345678_avg_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.214e+04 / 36
p0 40.67 ± 0.0479
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

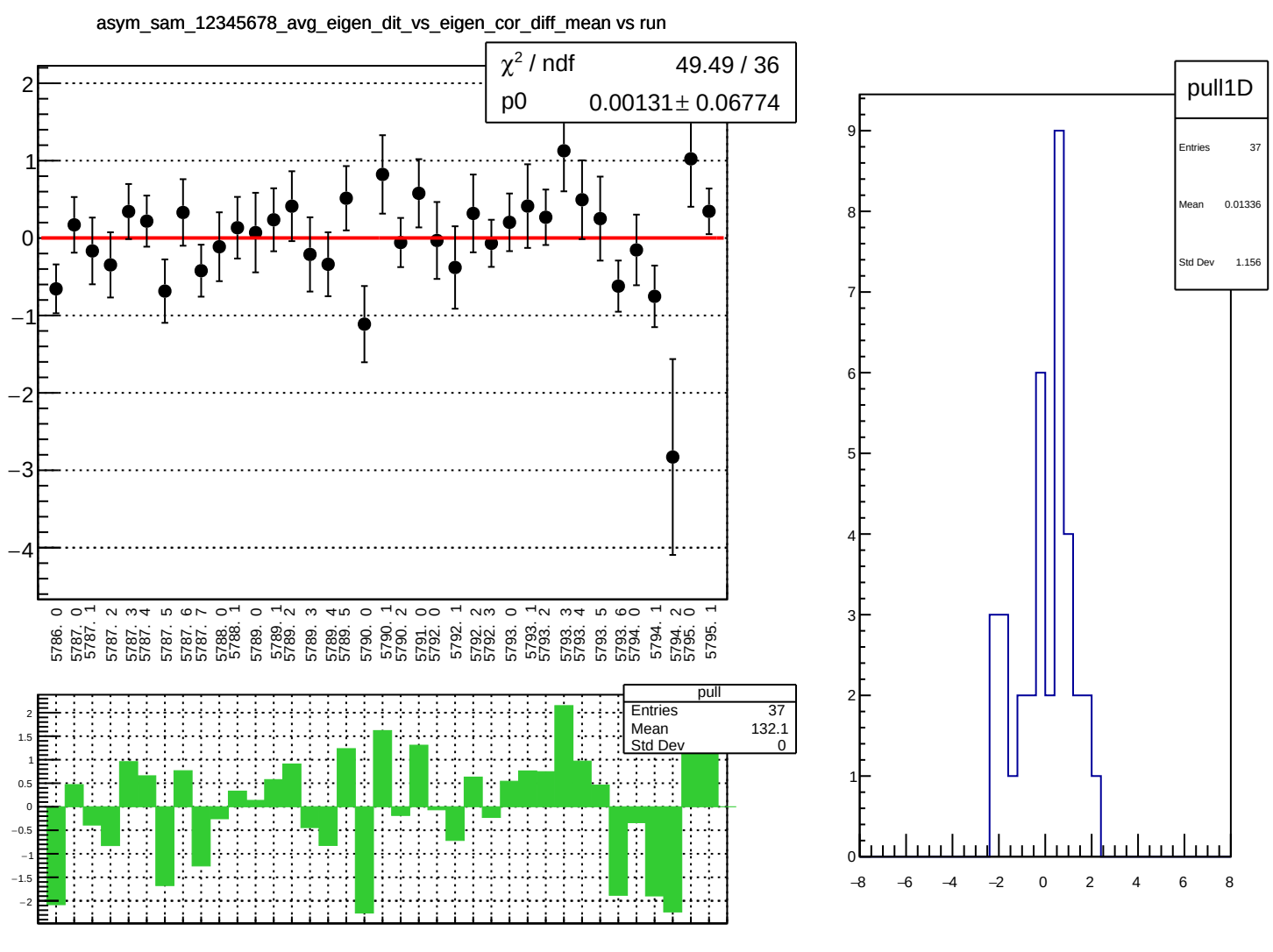

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_mean vs run
×10⁻³
χ² / ndf 40.6 / 36
p0 −1.368e−05 ± 8.334e−06
0.15
0.1
0.05
0
−0.05
−0.1
−0.15
−0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −135.2
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

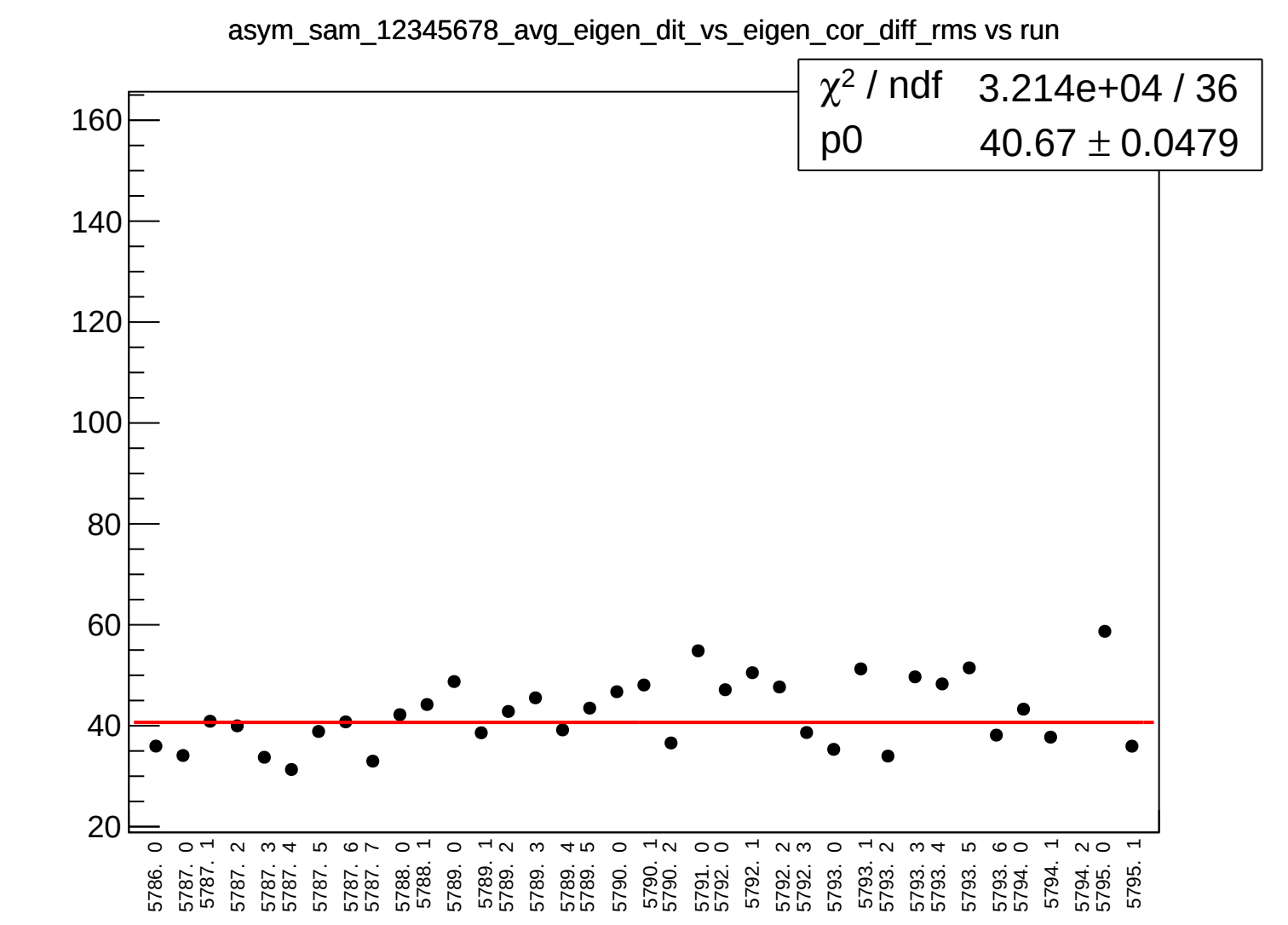

pull1D
Entries 37
Mean −0.00653
Std Dev 1.048
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

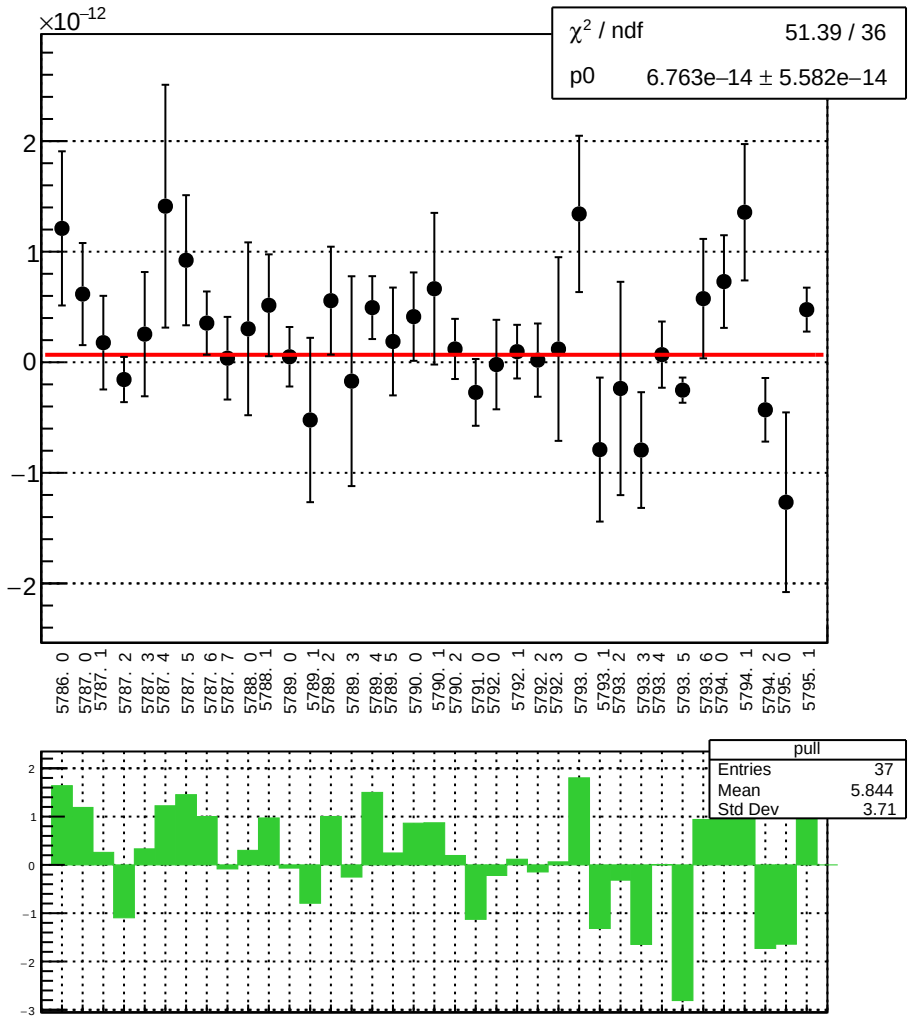

asym_sam_12345678_avg_eigen_dit_vs_dit_diff_rms vs run
χ² / ndf 4701 / 36
p0 0.005098 ± 5.893e−06
0.0062
0.006
0.0058
0.0056
0.0054
0.0052
0.005
0.0048
0.0046
0.0044
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

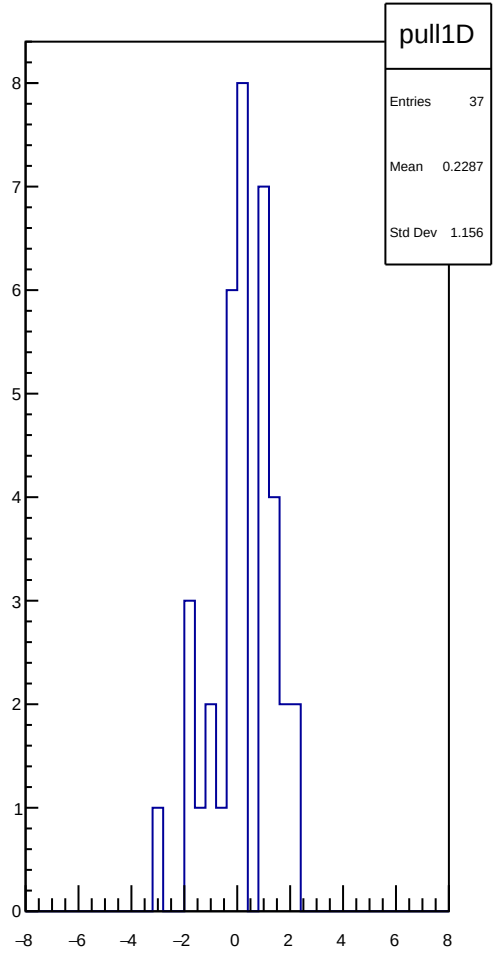

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_mean vs run
χ² / ndf 49.49 / 36
p0 0.00131± 0.06774
pull
Entries 37
Mean 132.1
Std Dev 0
pull1D
Entries 37
Mean 0.01336
Std Dev 1.156

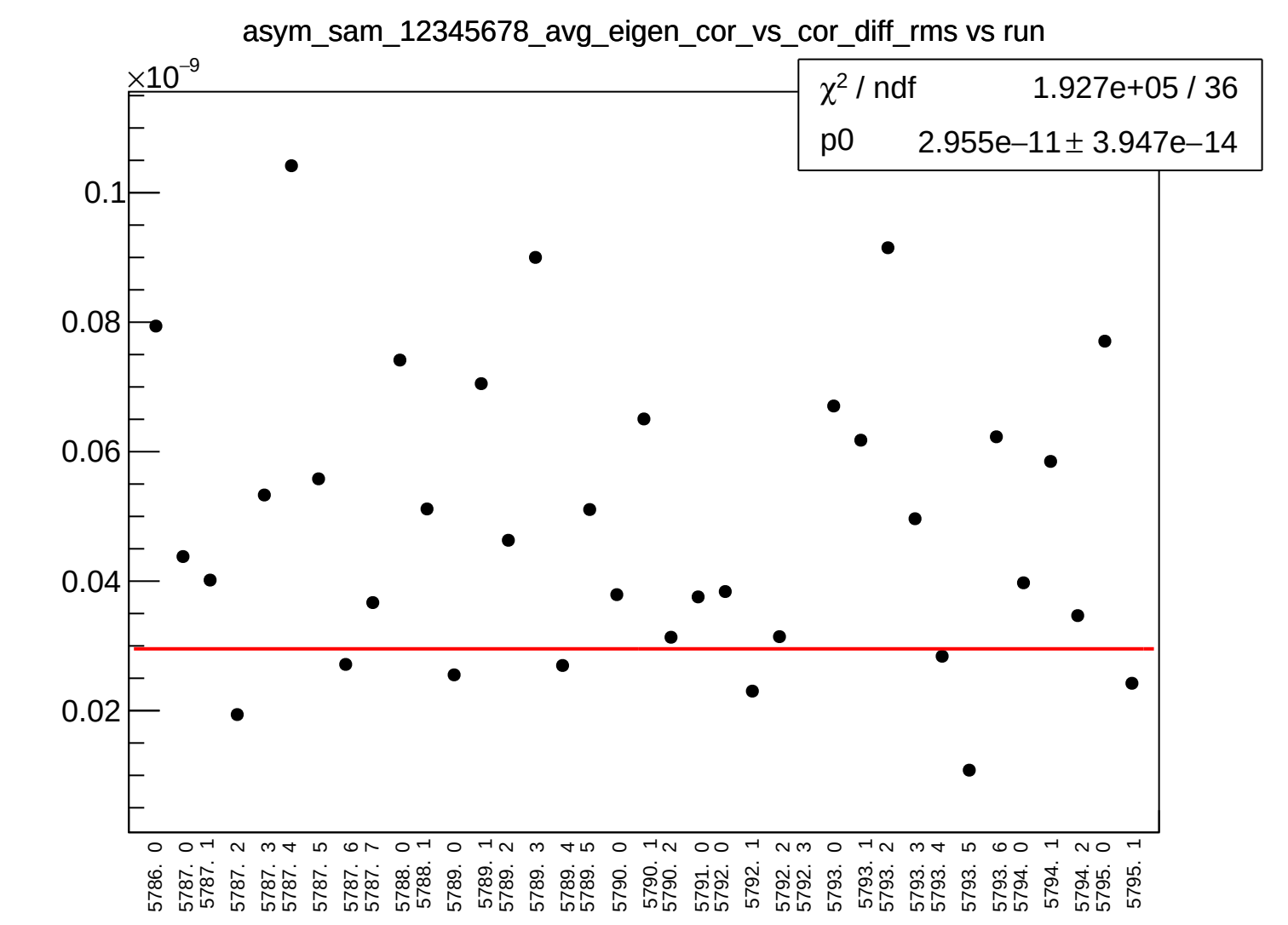

asym_sam_12345678_avg_eigen_dit_vs_cor_diff_rms vs run
χ² / ndf 3.214e+04 / 36
p0 40.67 ± 0.0479
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

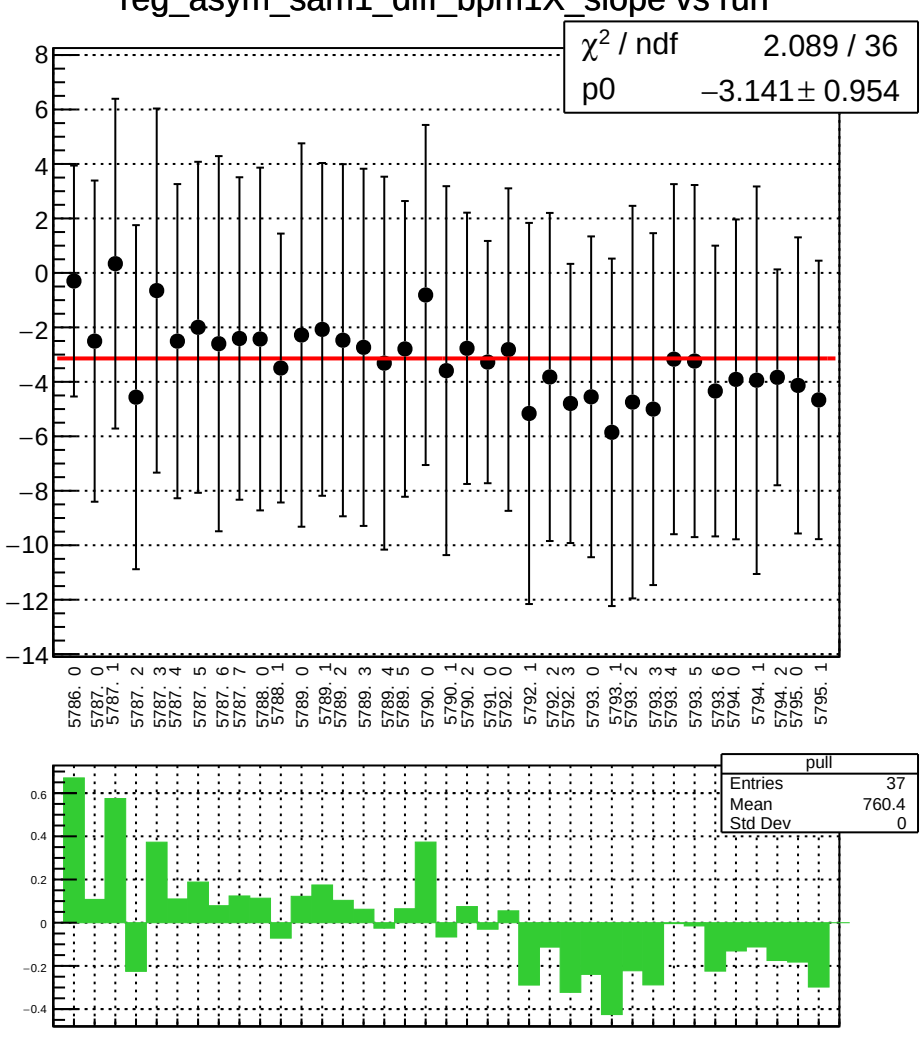

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_mean vs run
χ² / ndf 49.49 / 36
p0 0.00131± 0.06774
pull
Entries 37
Mean 132.1
Std Dev 0
pull1D
Entries 37
Mean 0.01336
Std Dev 1.156

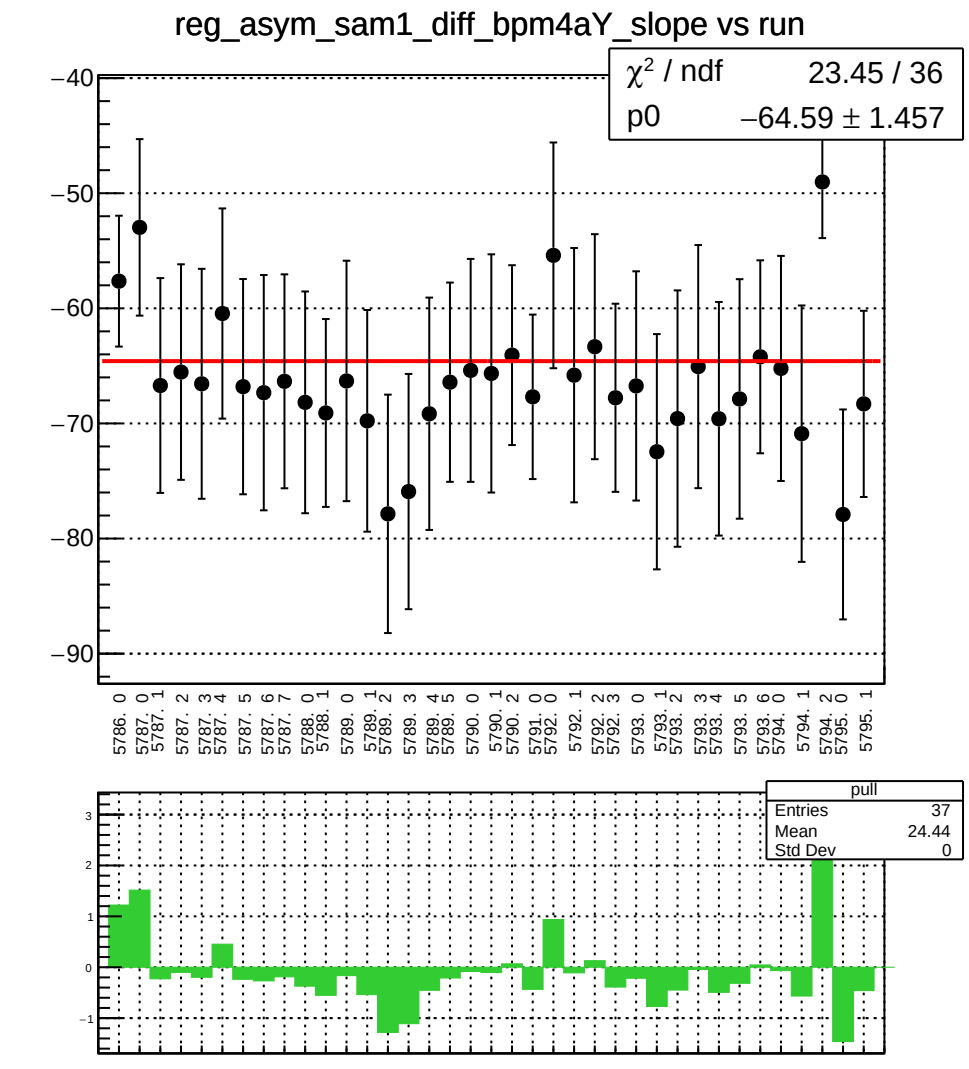

asym_sam_12345678_avg_eigen_dit_vs_eigen_cor_diff_rms vs run
χ² / ndf 3.214e+04 / 36
p0 40.67 ± 0.0479
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

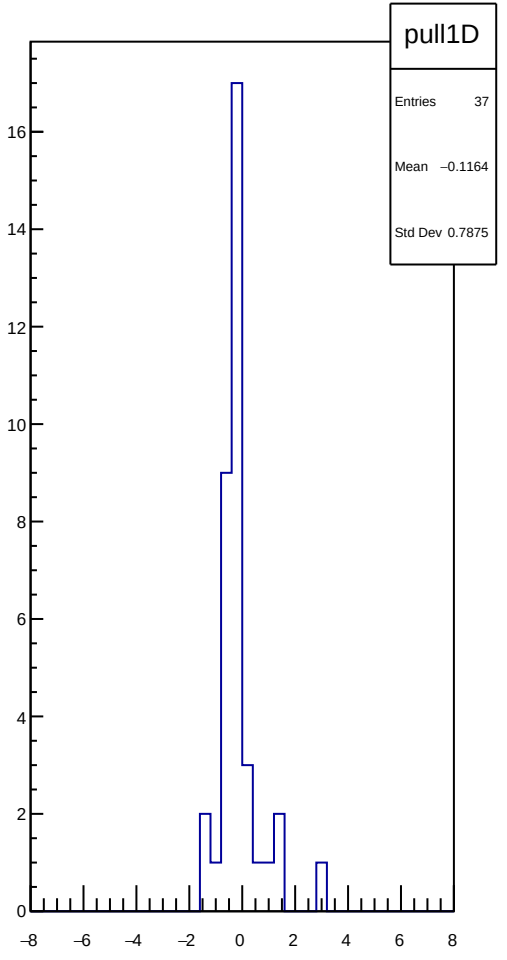

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_mean vs run
×10⁻¹²
χ² / ndf 51.39 / 36
p0 6.763e−14 ± 5.582e−14
2
1
0
−1
−2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 5.844
Std Dev 3.71
2
1
0
−1
−2
−3

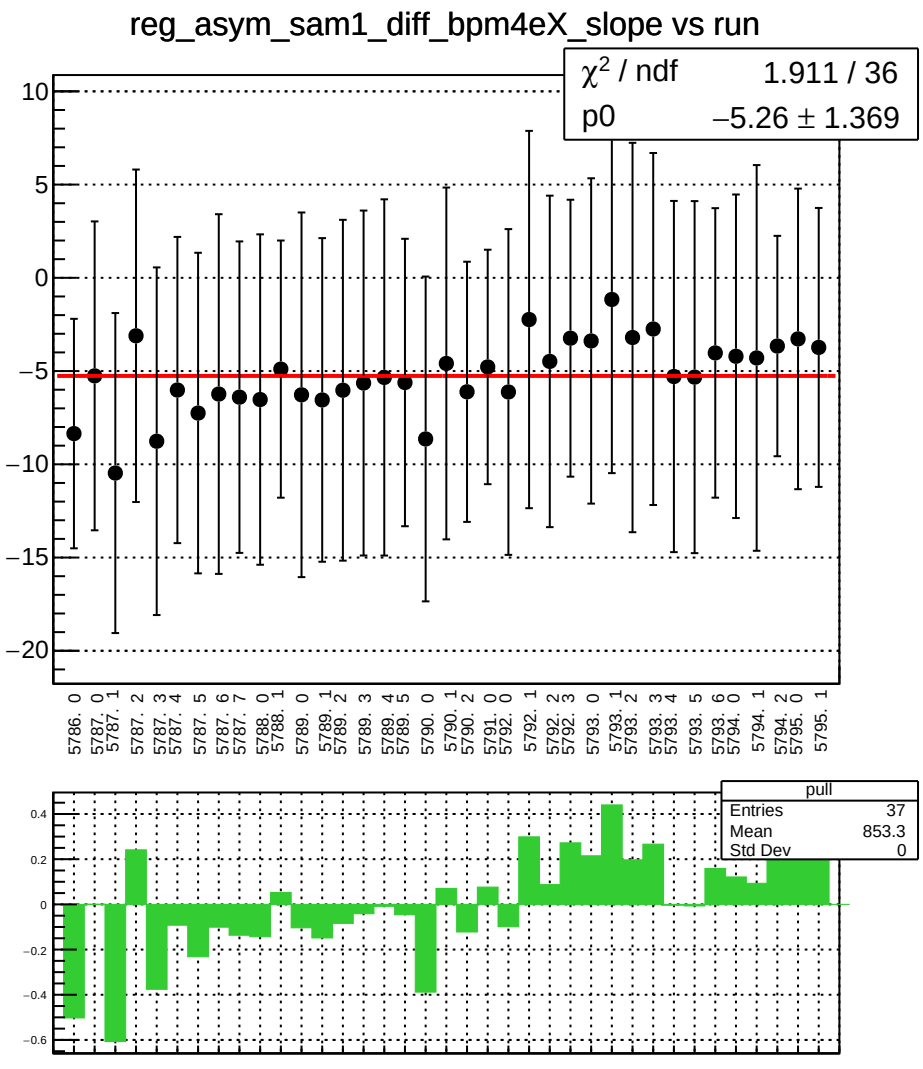

pull1D
Entries 37
Mean 0.2287
Std Dev 1.156
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

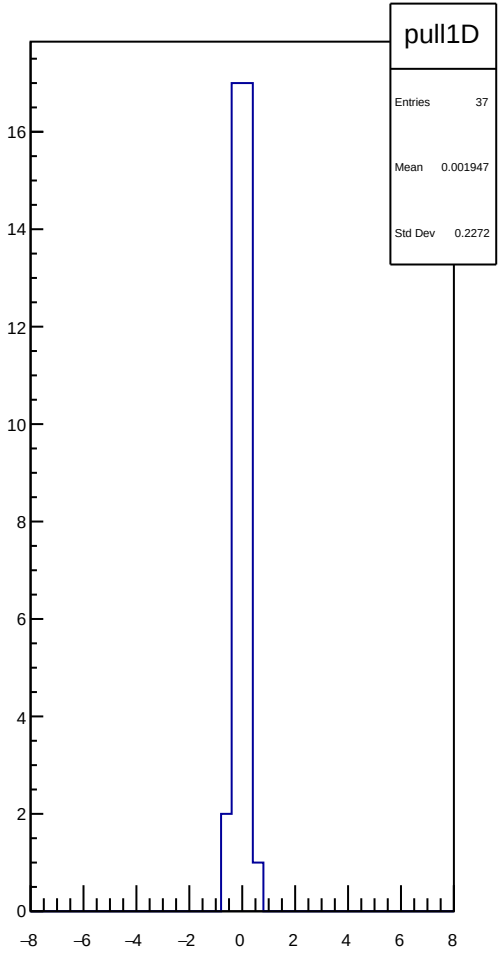

asym_sam_12345678_avg_eigen_cor_vs_cor_diff_rms vs run
×10⁻⁹
χ² / ndf 1.927e+05 / 36
p0 2.955e−11 ± 3.947e−14
0.1
0.08
0.06
0.04
0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

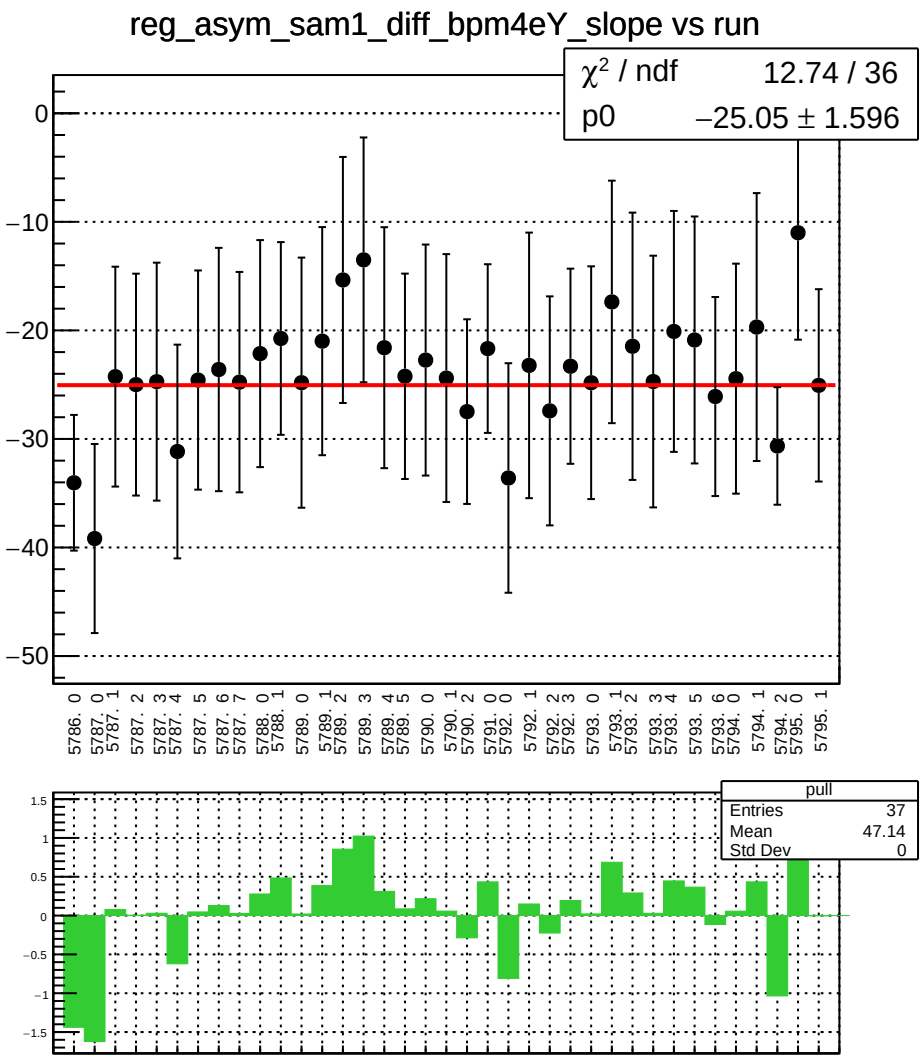

reg_asym_sam1_diff_bpm1X_slope vs run
χ² / ndf 2.089 / 36
p0 −3.141 ± 0.954
pull
Entries 37
Mean 760.4
Std Dev 0
pull1D
Entries 37
Mean −0.00239
Std Dev 0.2376

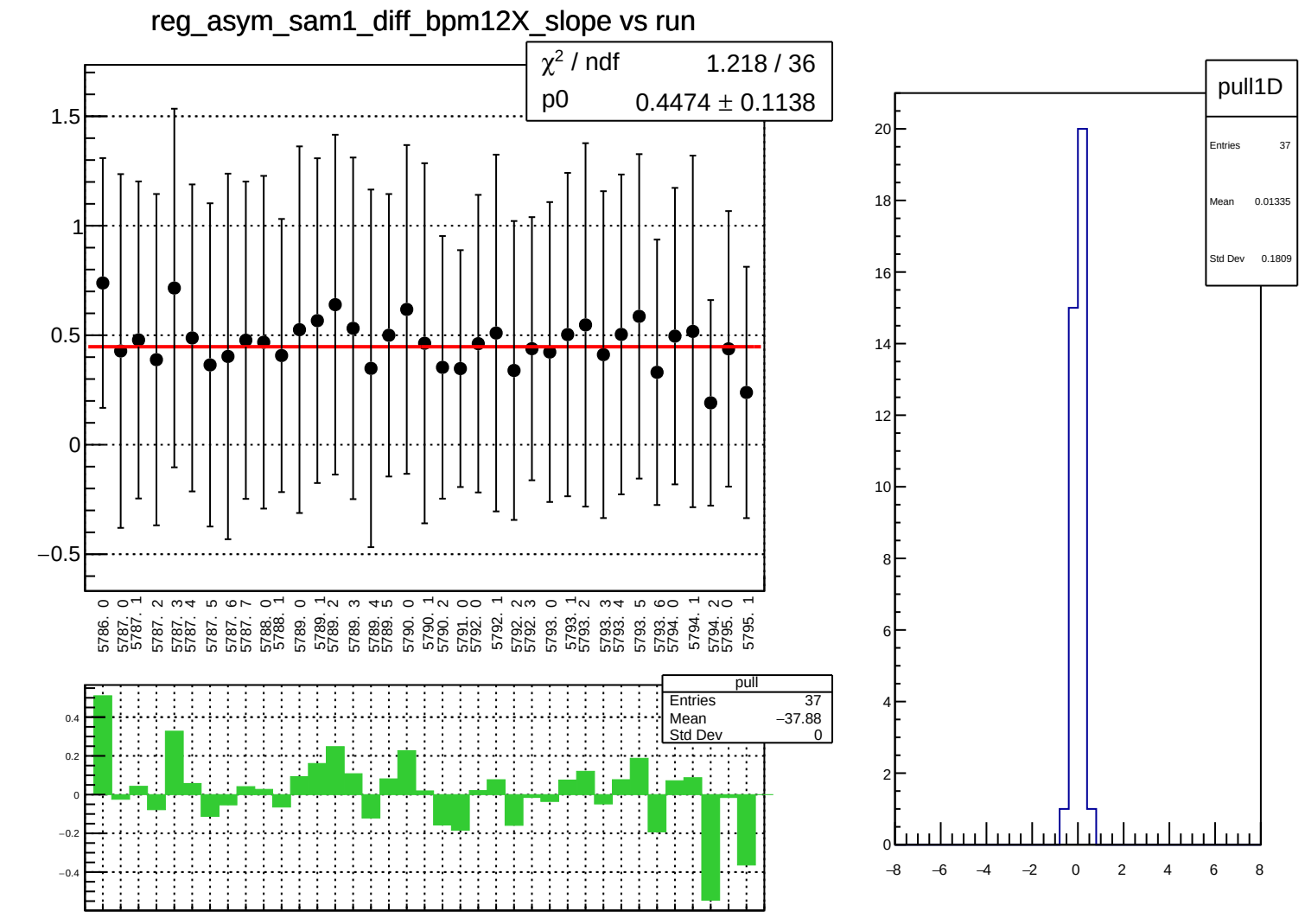

reg_asym_sam1_diff_bpm4aY_slope vs run
χ² / ndf 23.45 / 36
p0 −64.59 ± 1.457
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.44
Std Dev 0
3
2
1
0
−1

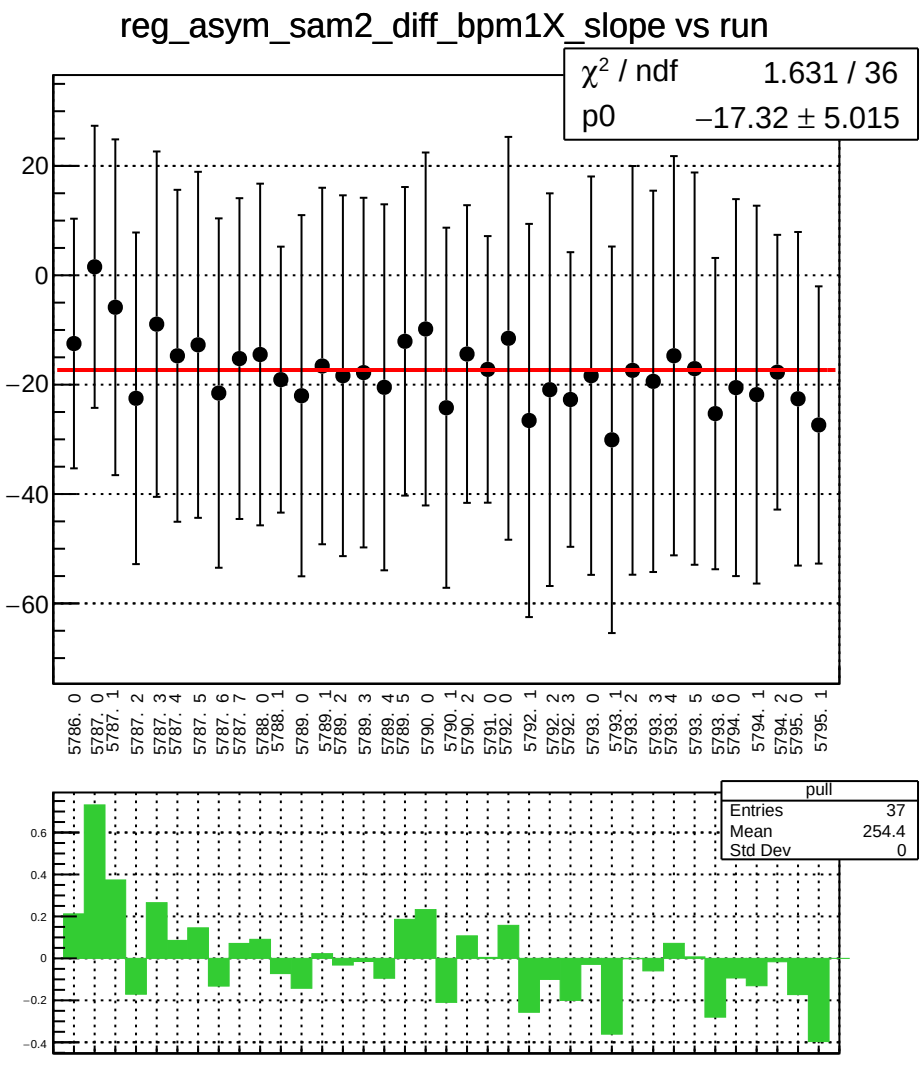

pull1D
Entries 37
Mean −0.1164
Std Dev 0.7875
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

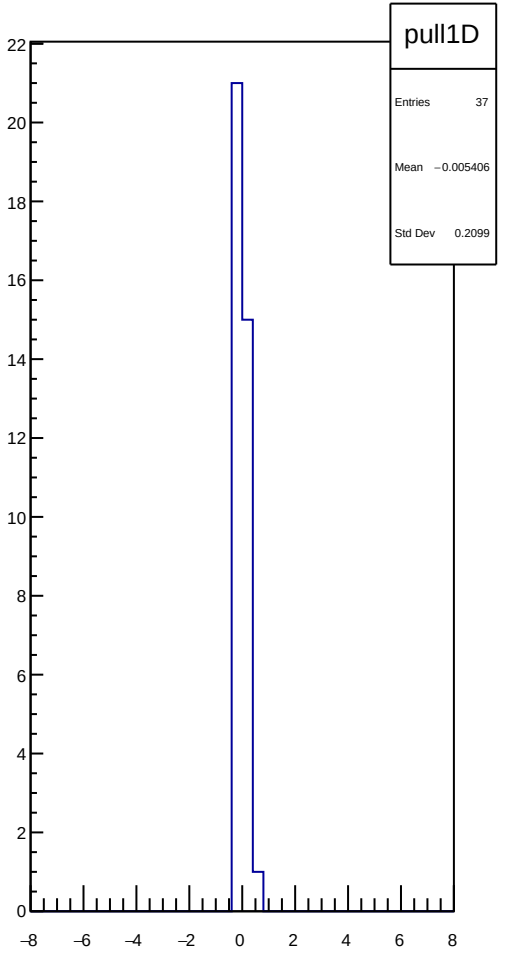

reg_asym_sam1_diff_bpm4eX_slope vs run
χ² / ndf 1.911 / 36
p0 −5.26 ± 1.369
10
5
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 853.3
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6

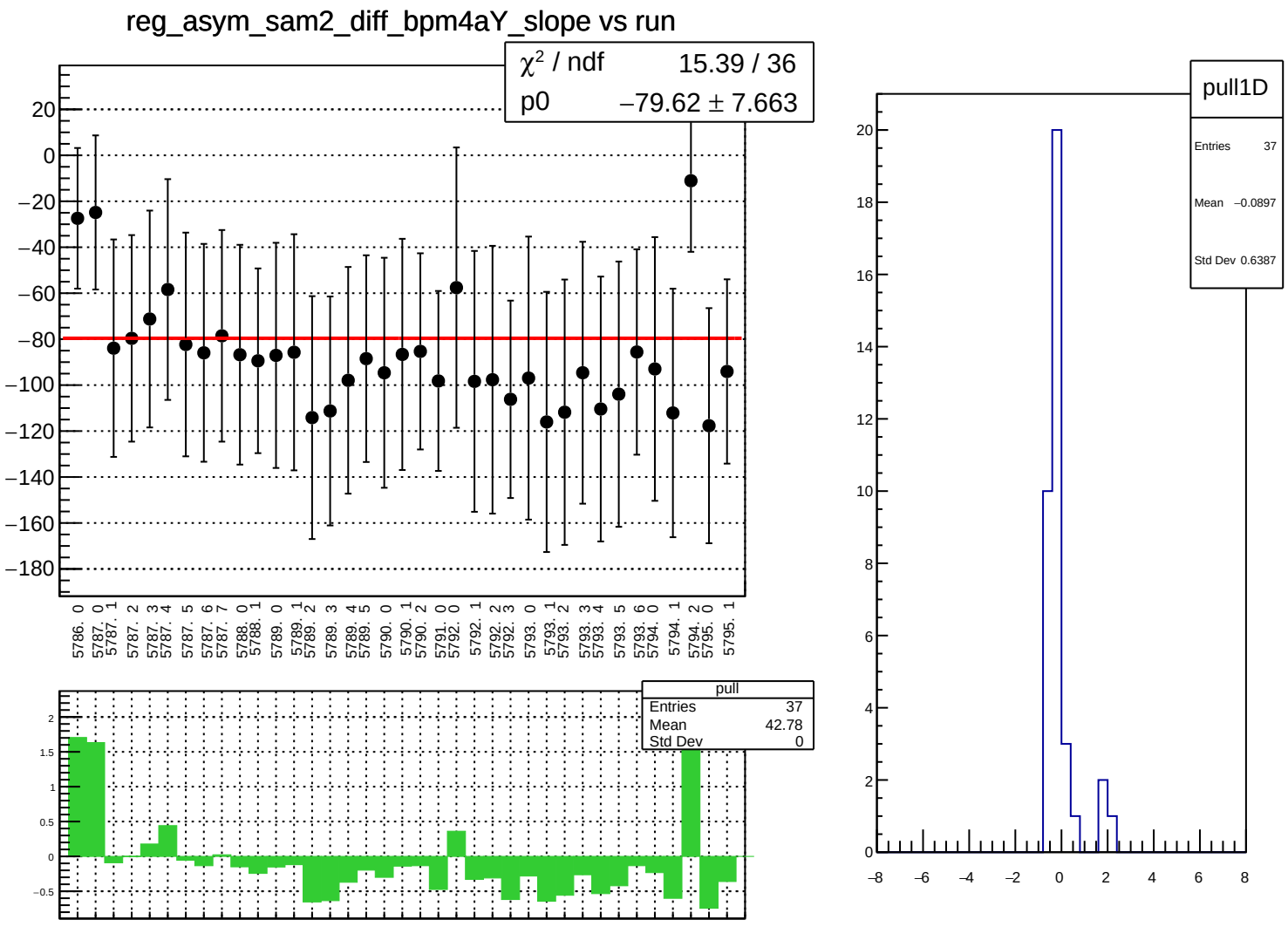

pull1D
Entries 37
Mean 0.001947
Std Dev 0.2272
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

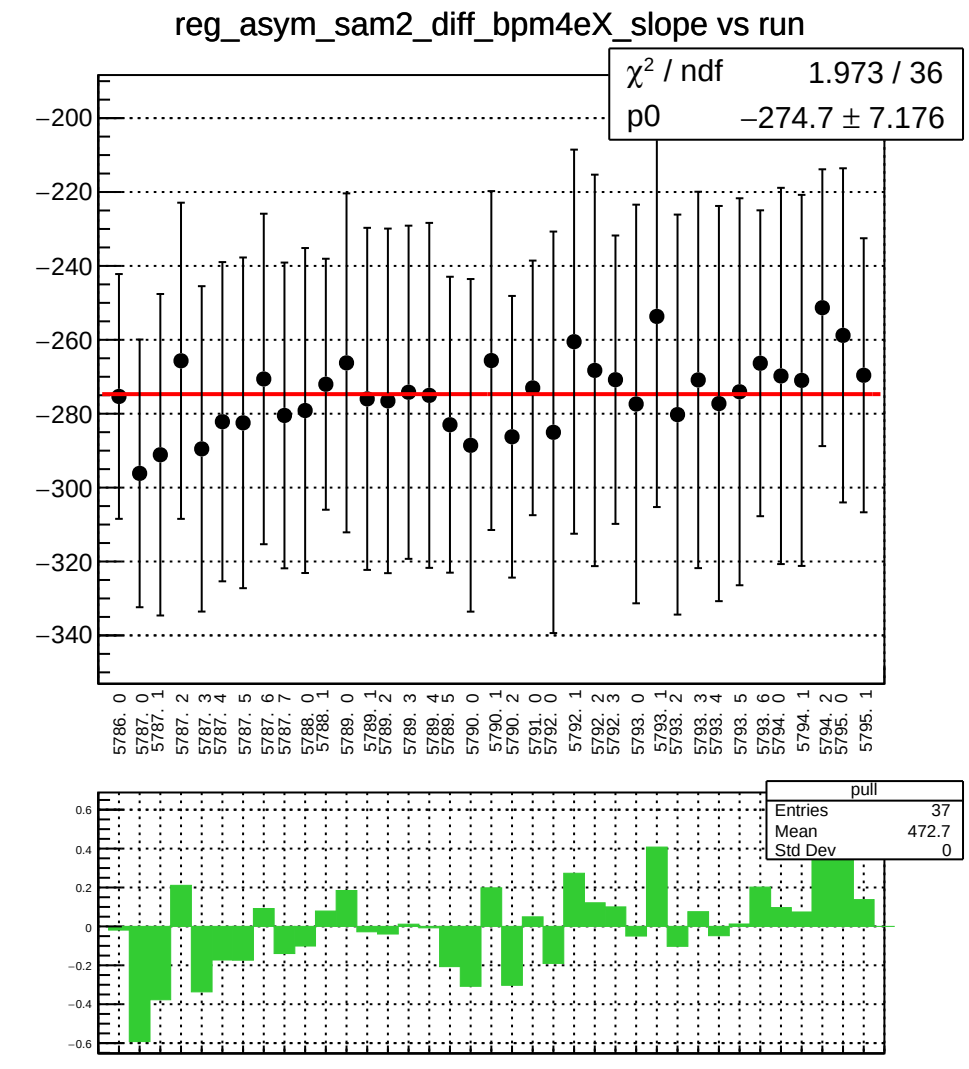

reg_asym_sam1_diff_bpm4eY_slope vs run
χ² / ndf 12.74 / 36
p0 −25.05 ± 1.596
0
−10
−20
−30
−40
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 47.14
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.06523
Std Dev 0.5832
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

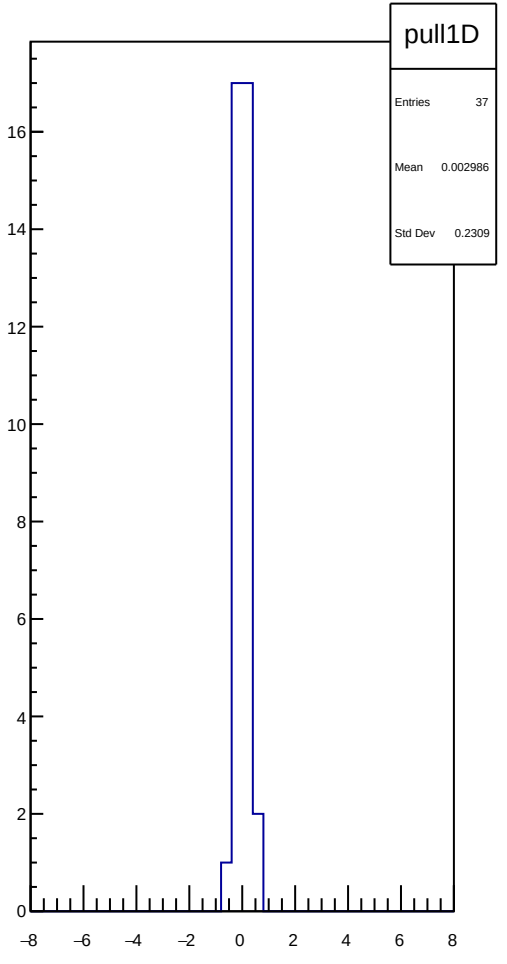

reg_asym_sam1_diff_bpm12X_slope vs run
χ² / ndf 1.218 / 36
p0 0.4474 ± 0.1138
pull
Entries 37
Mean −37.88
Std Dev 0
pull1D
Entries 37
Mean 0.01335
Std Dev 0.1809

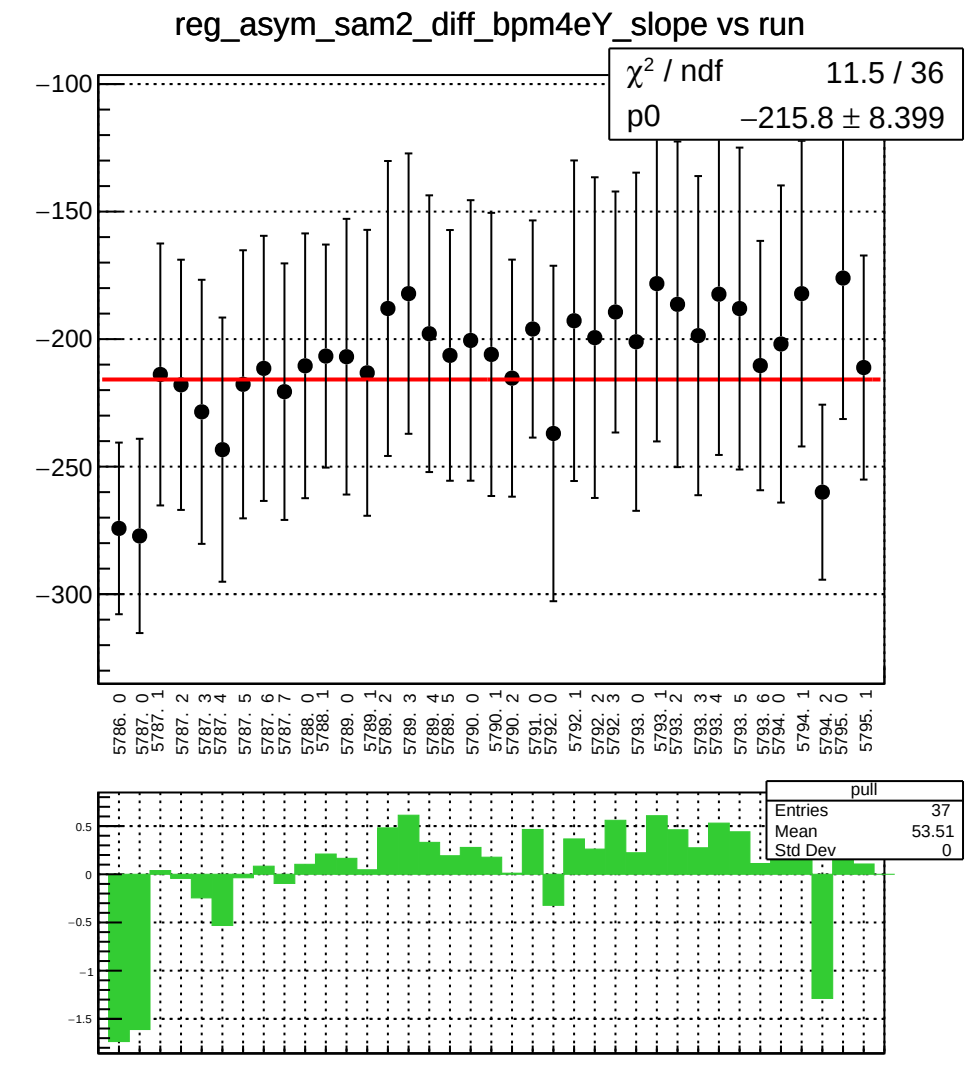

reg_asym_sam2_diff_bpm1X_slope vs run
χ² / ndf 1.631 / 36
p0 −17.32 ± 5.015
20
0
−20
−40
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 254.4
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4

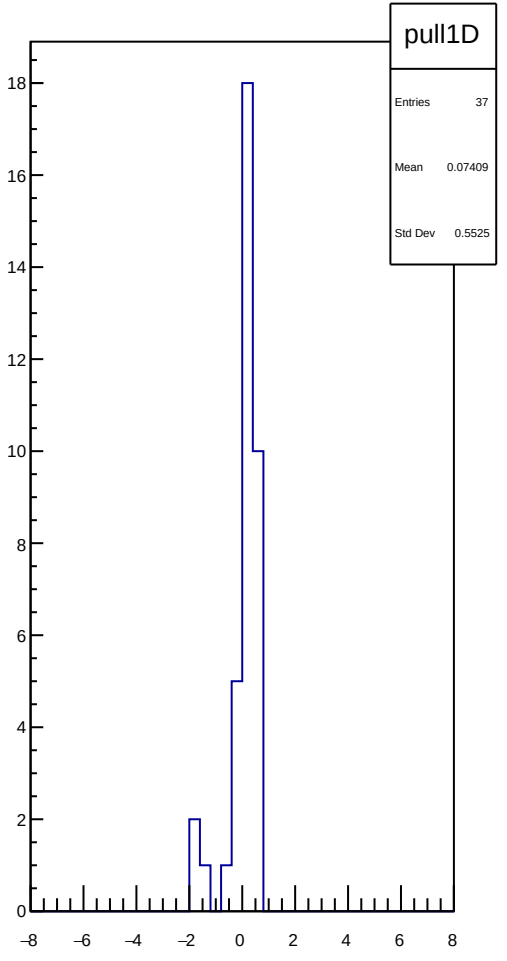

pull1D
Entries 37
Mean −0.005406
Std Dev 0.2099
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

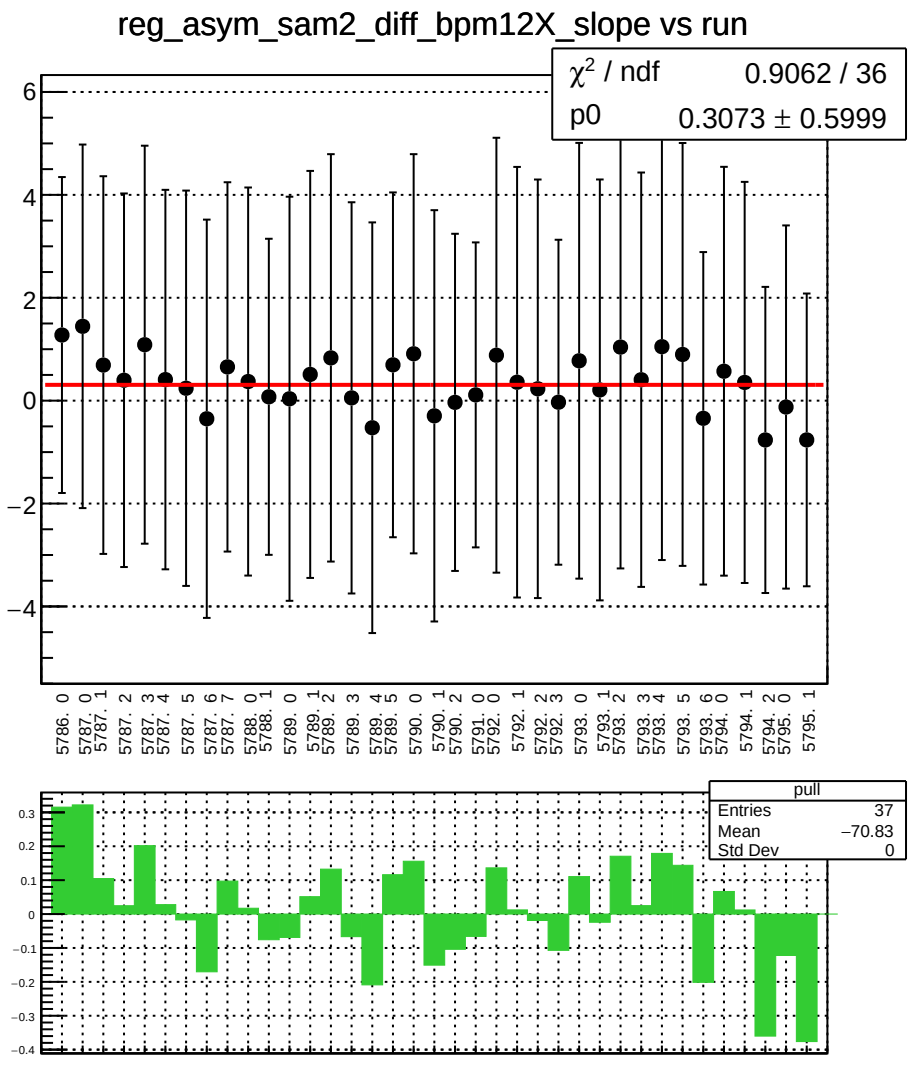

reg_asym_sam2_diff_bpm4aY_slope vs run
χ² / ndf 15.39 / 36
p0 −79.62 ± 7.663
pull
Entries 37
Mean 42.78
Std Dev 0
pull1D
Entries 37
Mean −0.0897
Std Dev 0.6387

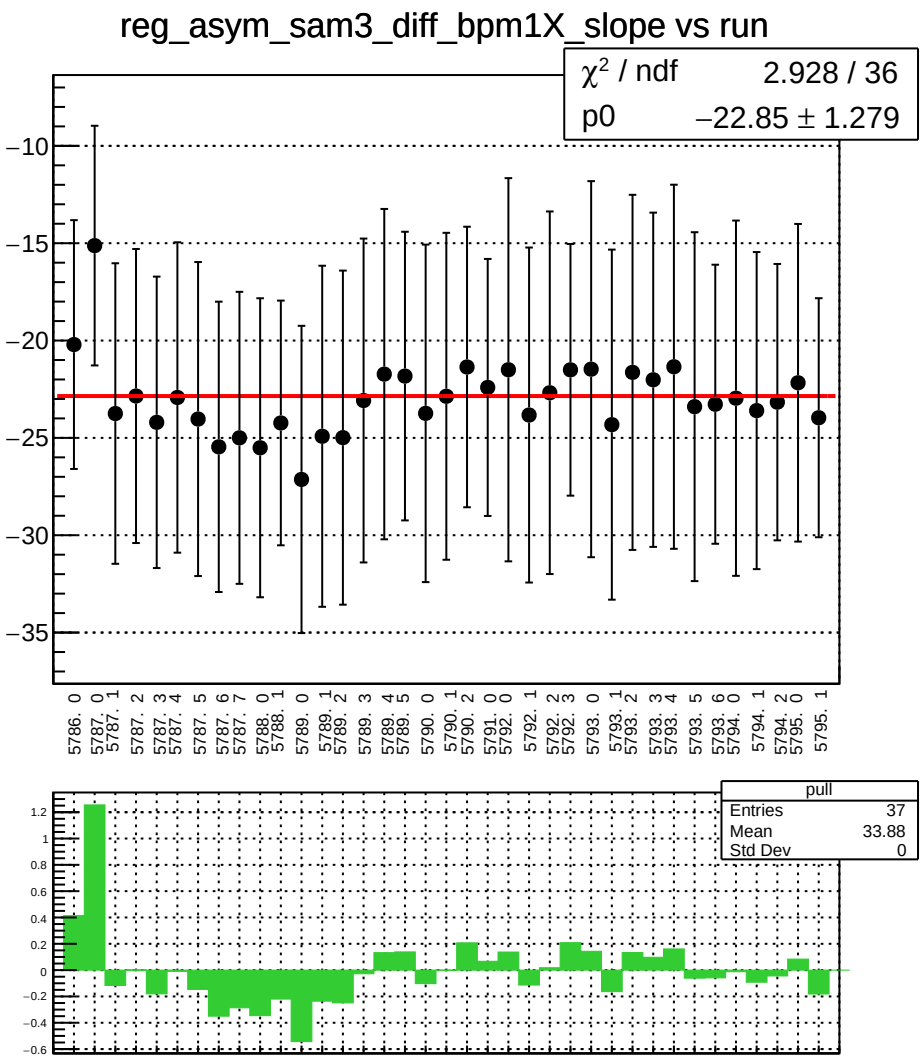

reg_asym_sam2_diff_bpm4eX_slope vs run
χ² / ndf 1.973 / 36
p0 −274.7 ± 7.176
−200
−220
−240
−260
−280
−300
−320
−340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 472.7
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

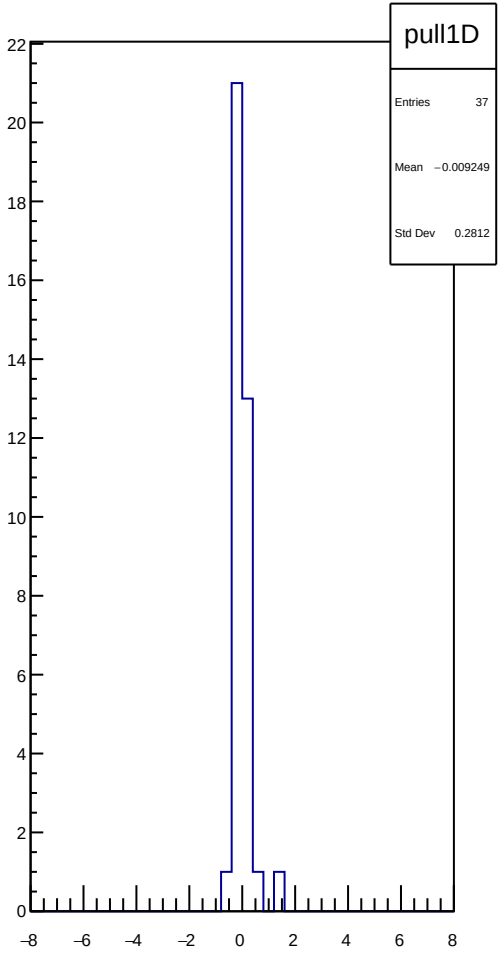

pull1D
Entries 37
Mean 0.002986
Std Dev 0.2309
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

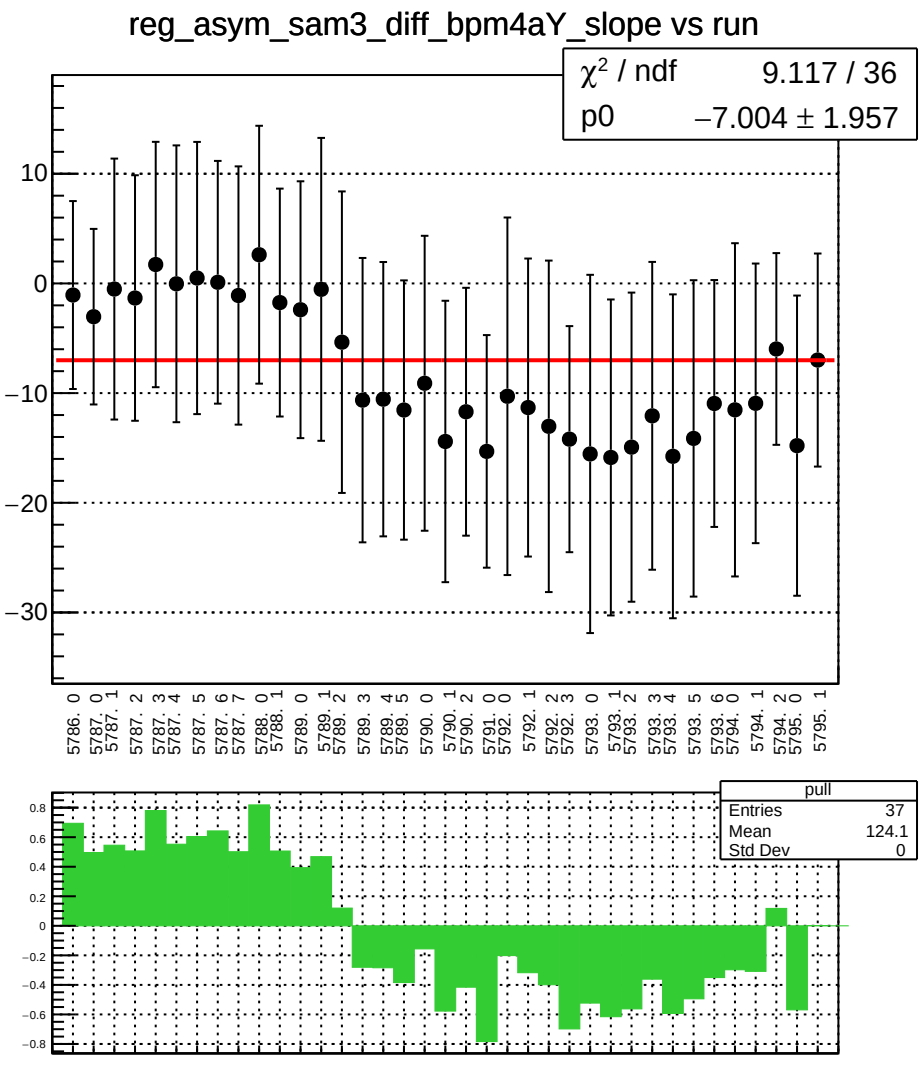

reg_asym_sam2_diff_bpm4eY_slope vs run
χ² / ndf 11.5 / 36
p0 −215.8 ± 8.399
−100
−150
−200
−250
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.51
Std Dev 0
0.5
0
−0.5
−1
−1.5

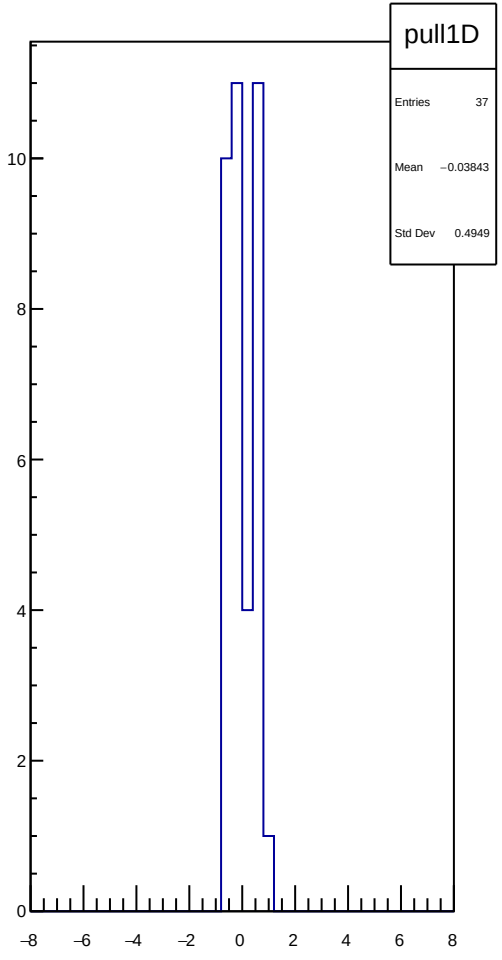

pull1D
Entries 37
Mean 0.07409
Std Dev 0.5525
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

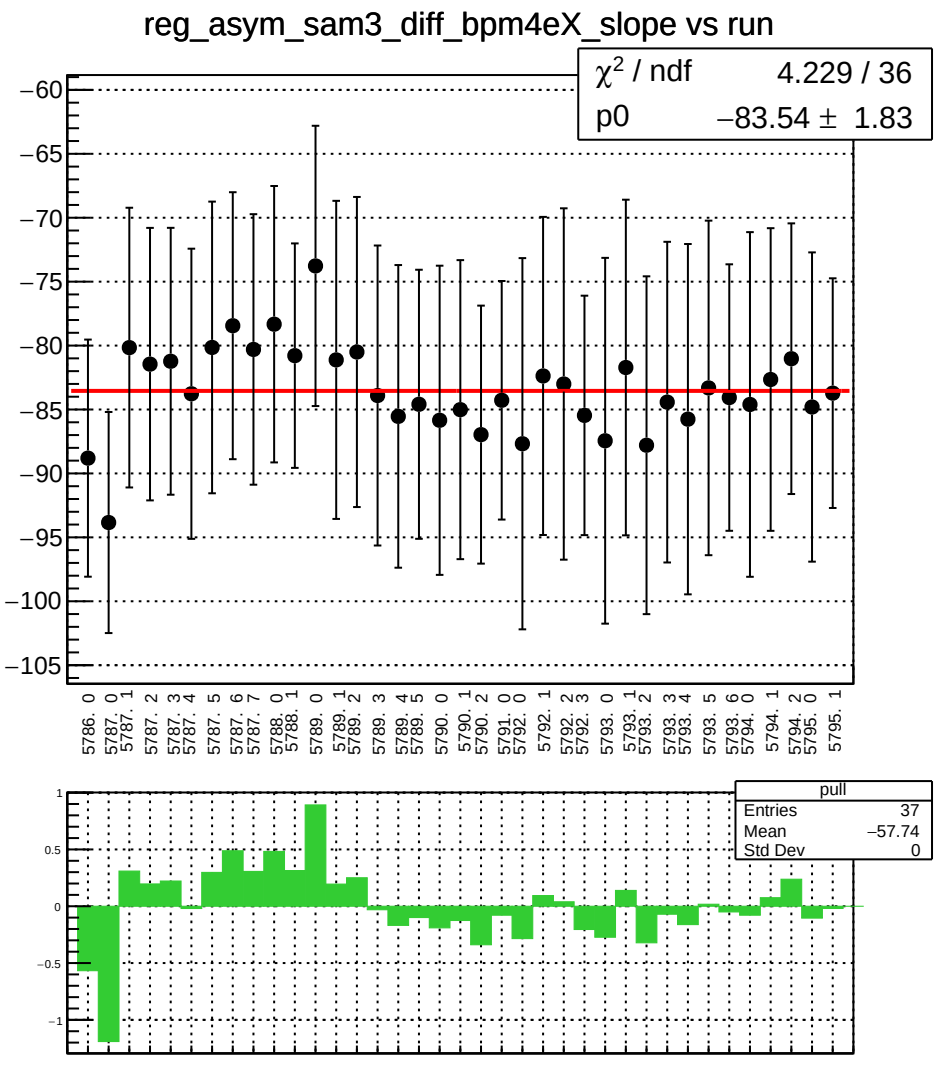

reg_asym_sam2_diff_bpm12X_slope vs run
χ² / ndf 0.9062 / 36
p0 0.3073 ± 0.5999
pull
Entries 37
Mean −70.83
Std Dev 0
pull1D
Entries 37
Mean 0.007676
Std Dev 0.1563

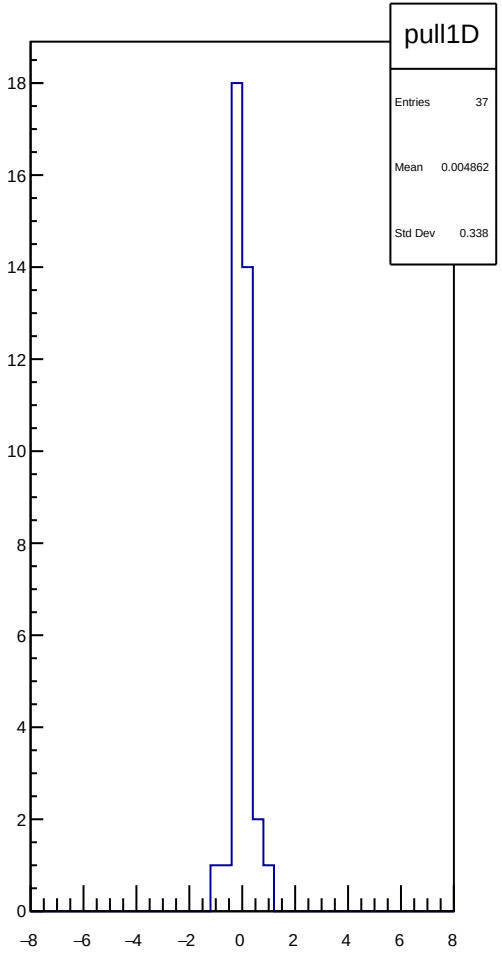

reg_asym_sam3_diff_bpm1X_slope vs run
χ² / ndf 2.928 / 36
p0 −22.85 ± 1.279
−10
−15
−20
−25
−30
−35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 33.88
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

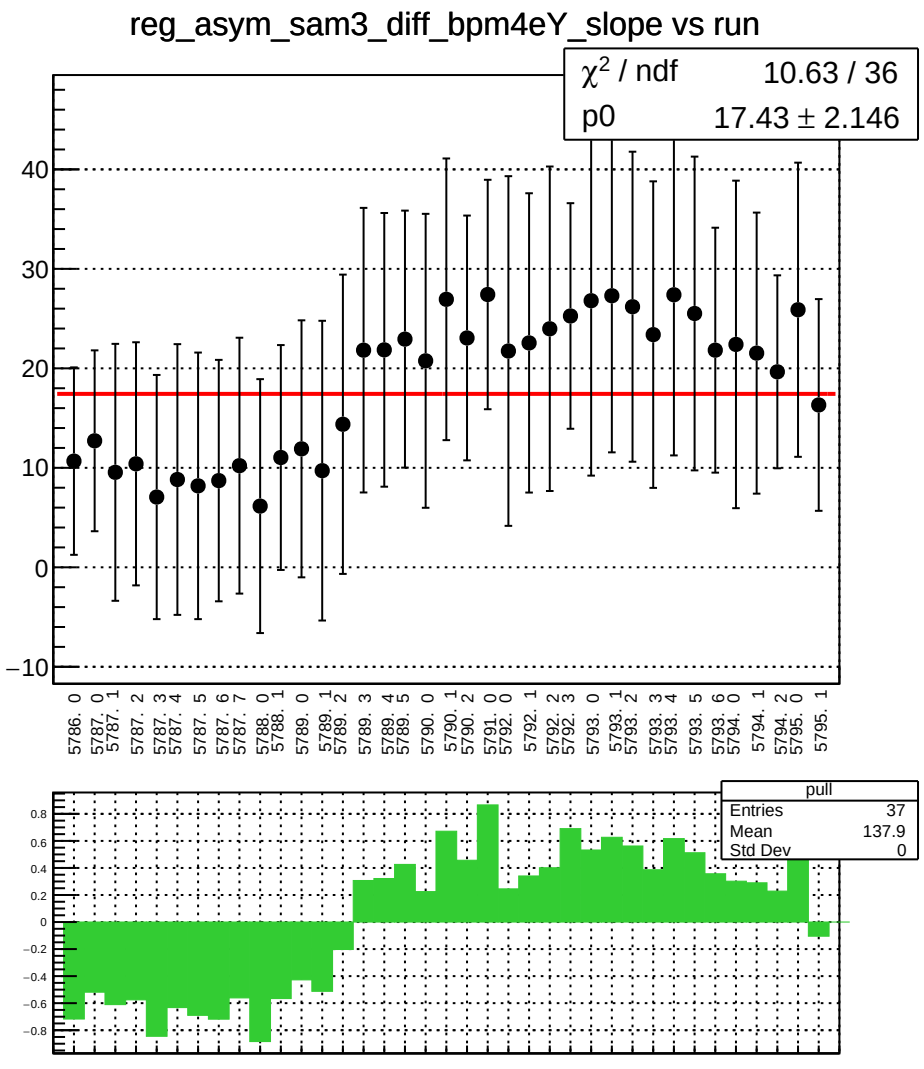

pull1D
Entries 37
Mean −0.009249
Std Dev 0.2812
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

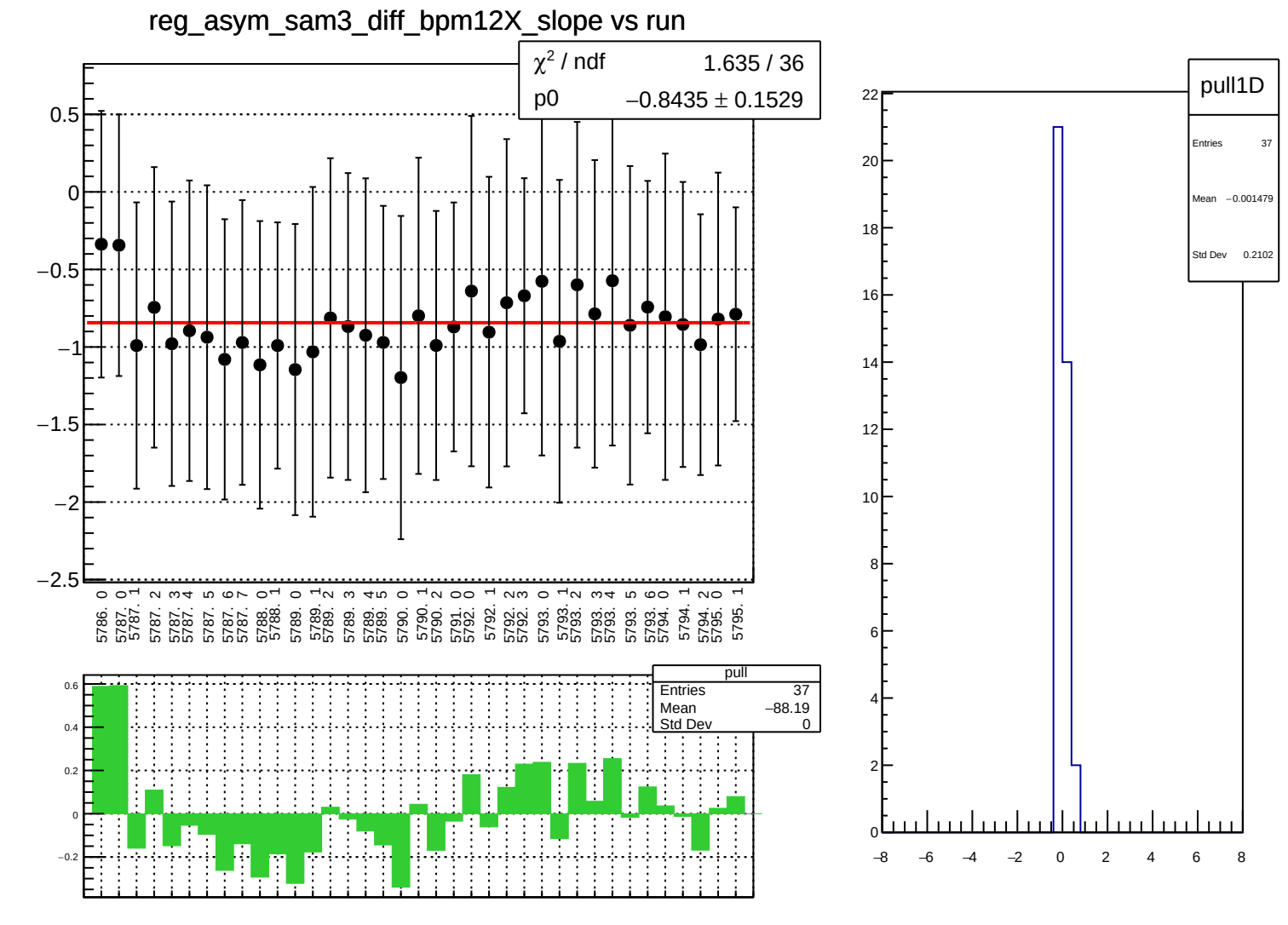

reg_asym_sam3_diff_bpm4aY_slope vs run
χ² / ndf 9.117 / 36
p0 −7.004 ± 1.957
10
0
−10
−20
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 124.1
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

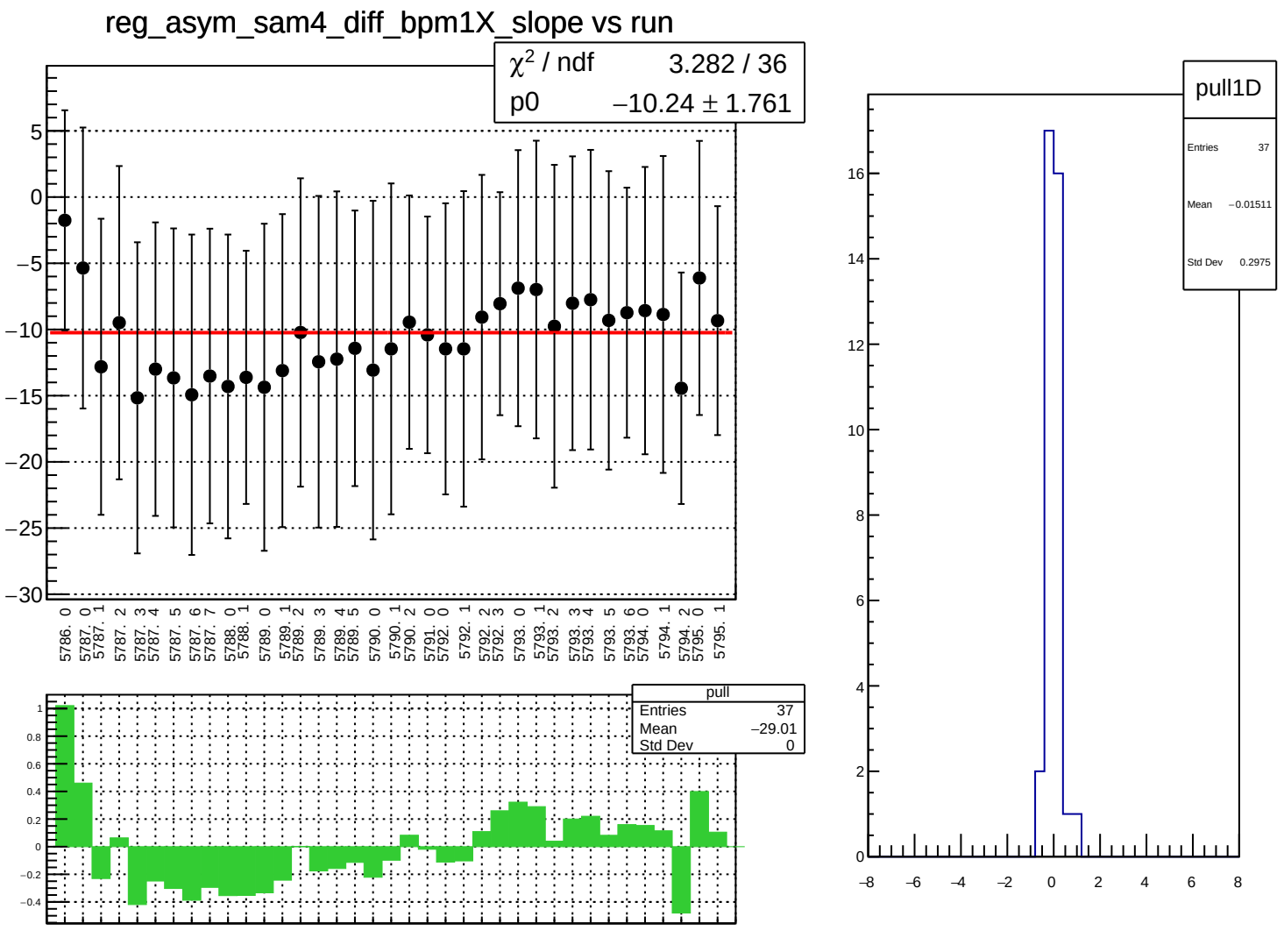

pull1D
Entries 37
Mean −0.03843
Std Dev 0.4949
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

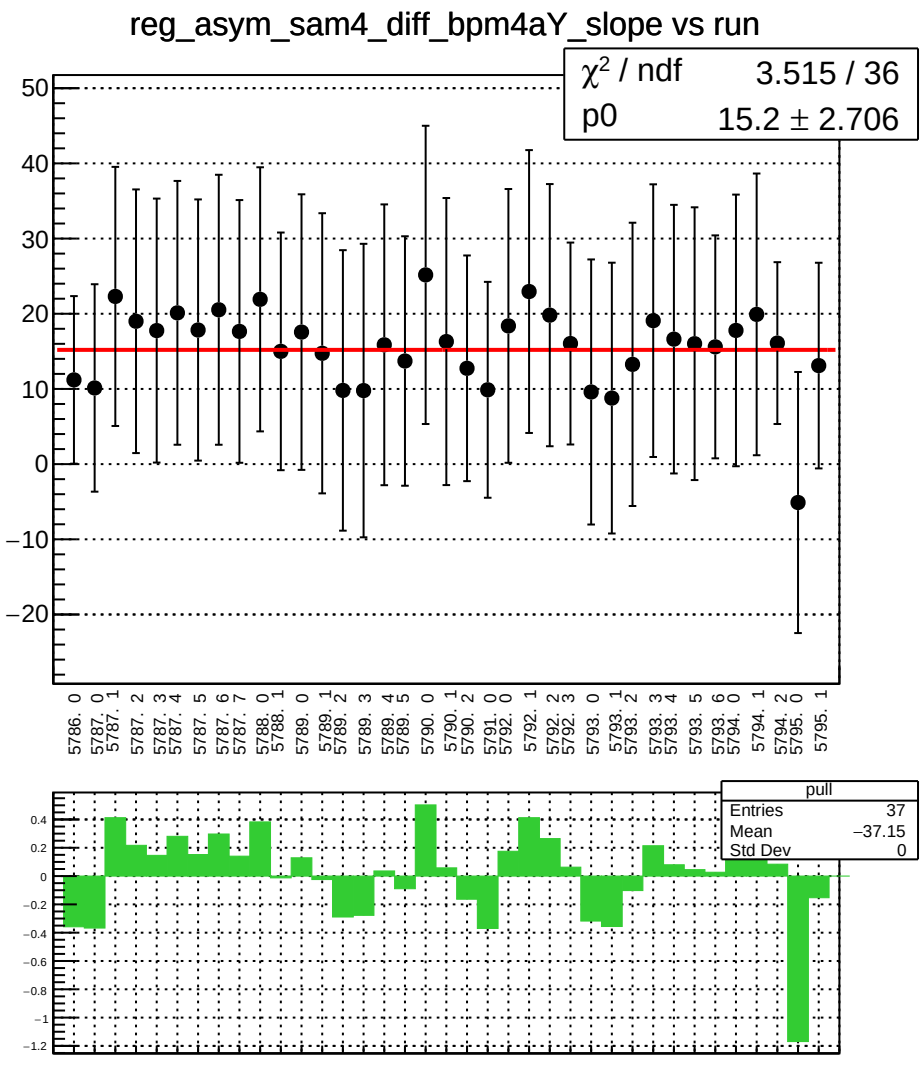

reg_asym_sam3_diff_bpm4eX_slope vs run
χ² / ndf 4.229 / 36
p0 −83.54 ± 1.83
−60
−65
−70
−75
−80
−85
−90
−95
−100
−105
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −57.74
Std Dev 0
1
0.5
0
−0.5
−1

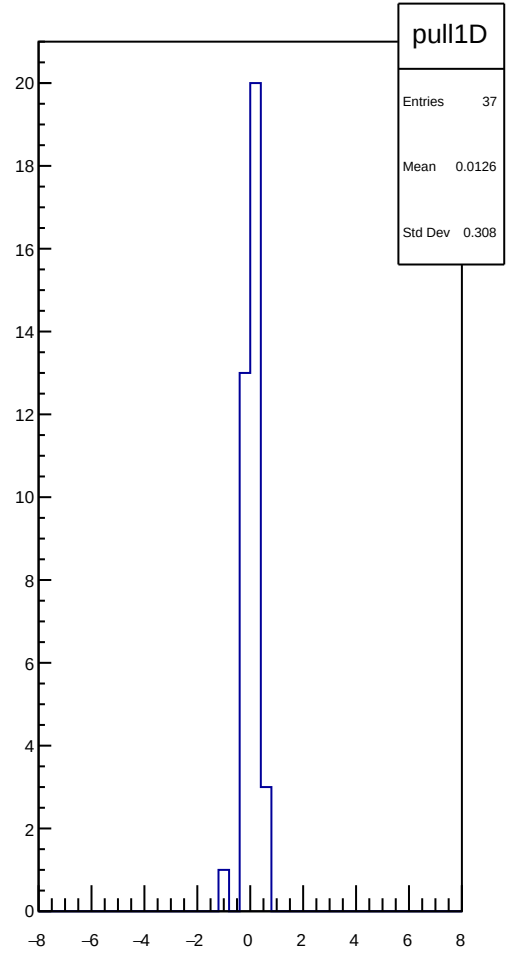

pull1D
Entries 37
Mean 0.004862
Std Dev 0.338
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

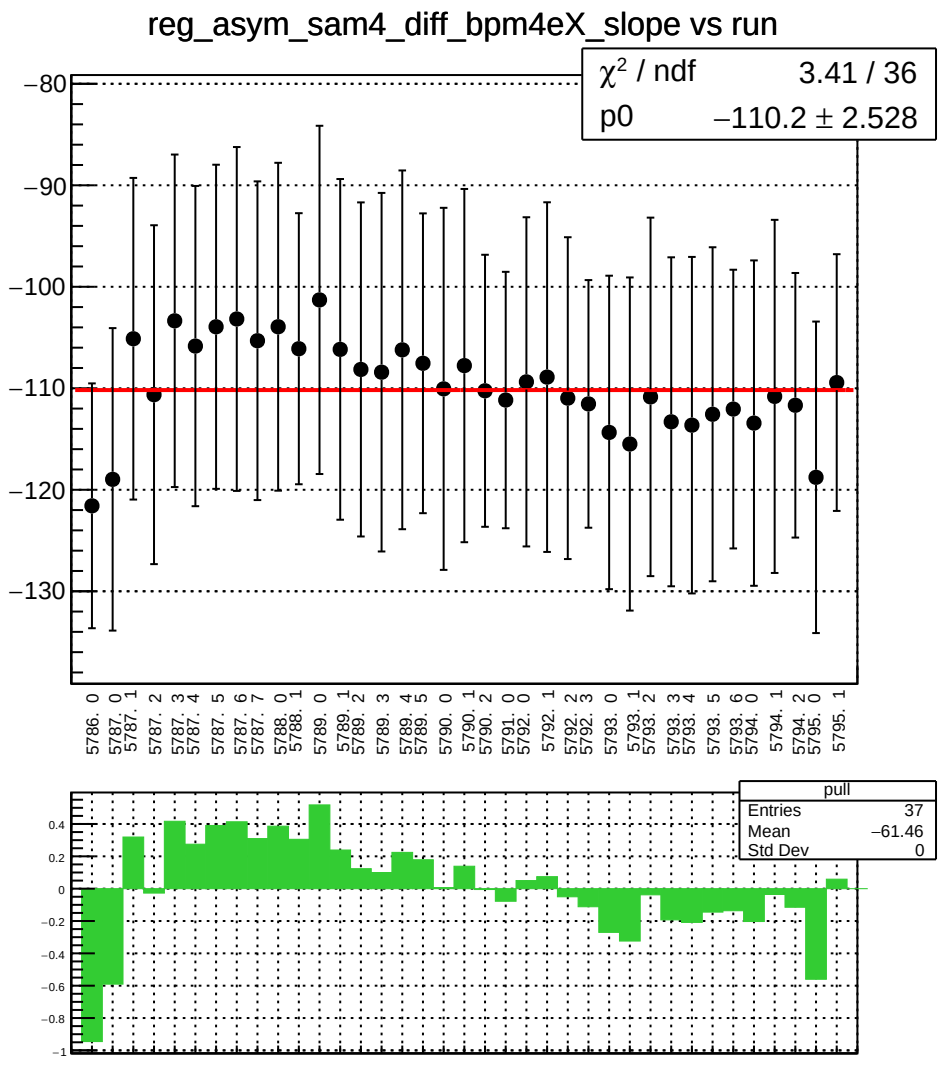

reg_asym_sam3_diff_bpm4eY_slope vs run
χ² / ndf 10.63 / 36
p0 17.43 ± 2.146
40
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 137.9
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean 0.03712
Std Dev 0.5347
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

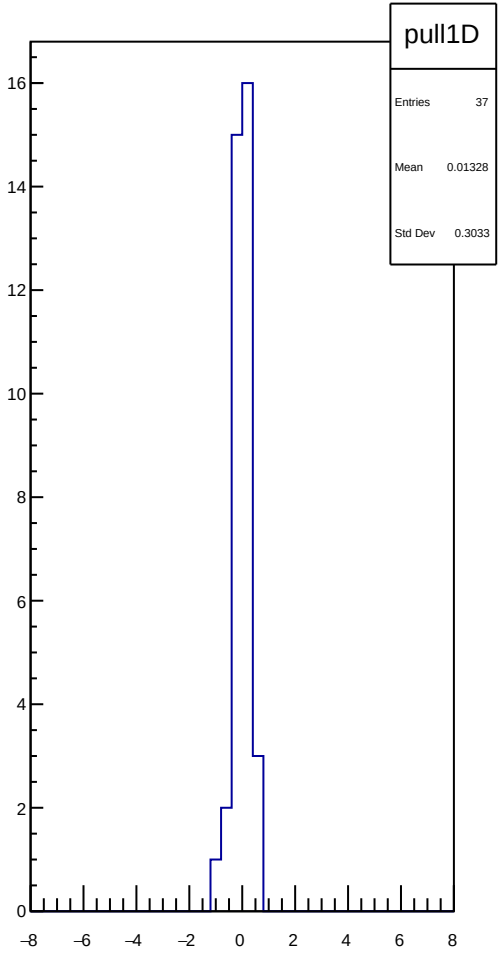

reg_asym_sam3_diff_bpm12X_slope vs run
χ² / ndf 1.635 / 36
p0 −0.8435 ± 0.1529
pull
Entries 37
Mean −88.19
Std Dev 0
pull1D
Entries 37
Mean −0.001479
Std Dev 0.2102

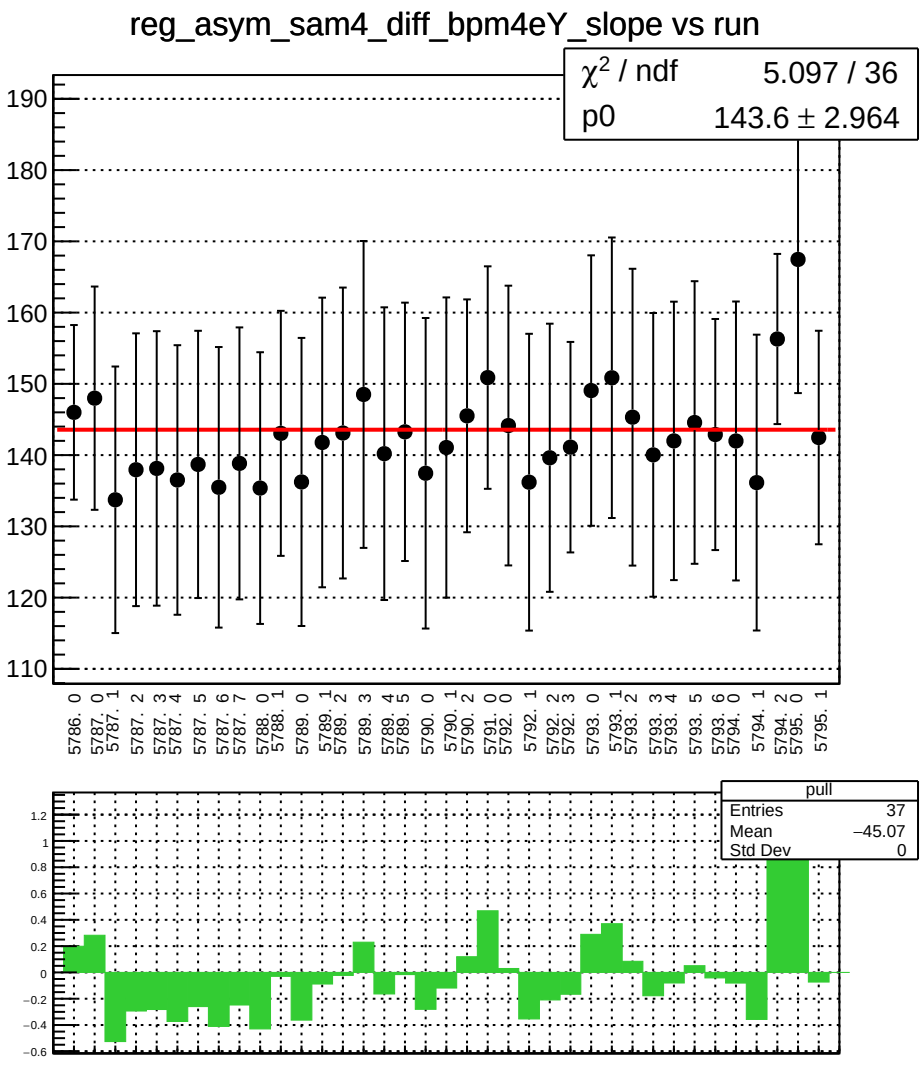

reg_asym_sam4_diff_bpm1X_slope vs run
χ² / ndf 3.282 / 36
p0 −10.24 ± 1.761
5
0
−5
−10
−15
−20
−25
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −29.01
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.01511
Std Dev 0.2975
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

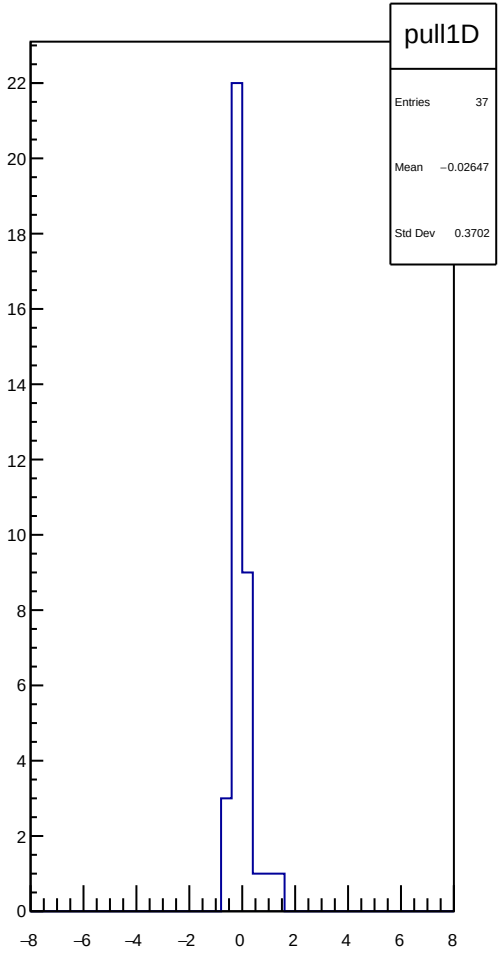

reg_asym_sam4_diff_bpm4aY_slope vs run
χ² / ndf 3.515 / 36
p0 15.2 ± 2.706
pull
Entries 37
Mean −37.15
Std Dev 0

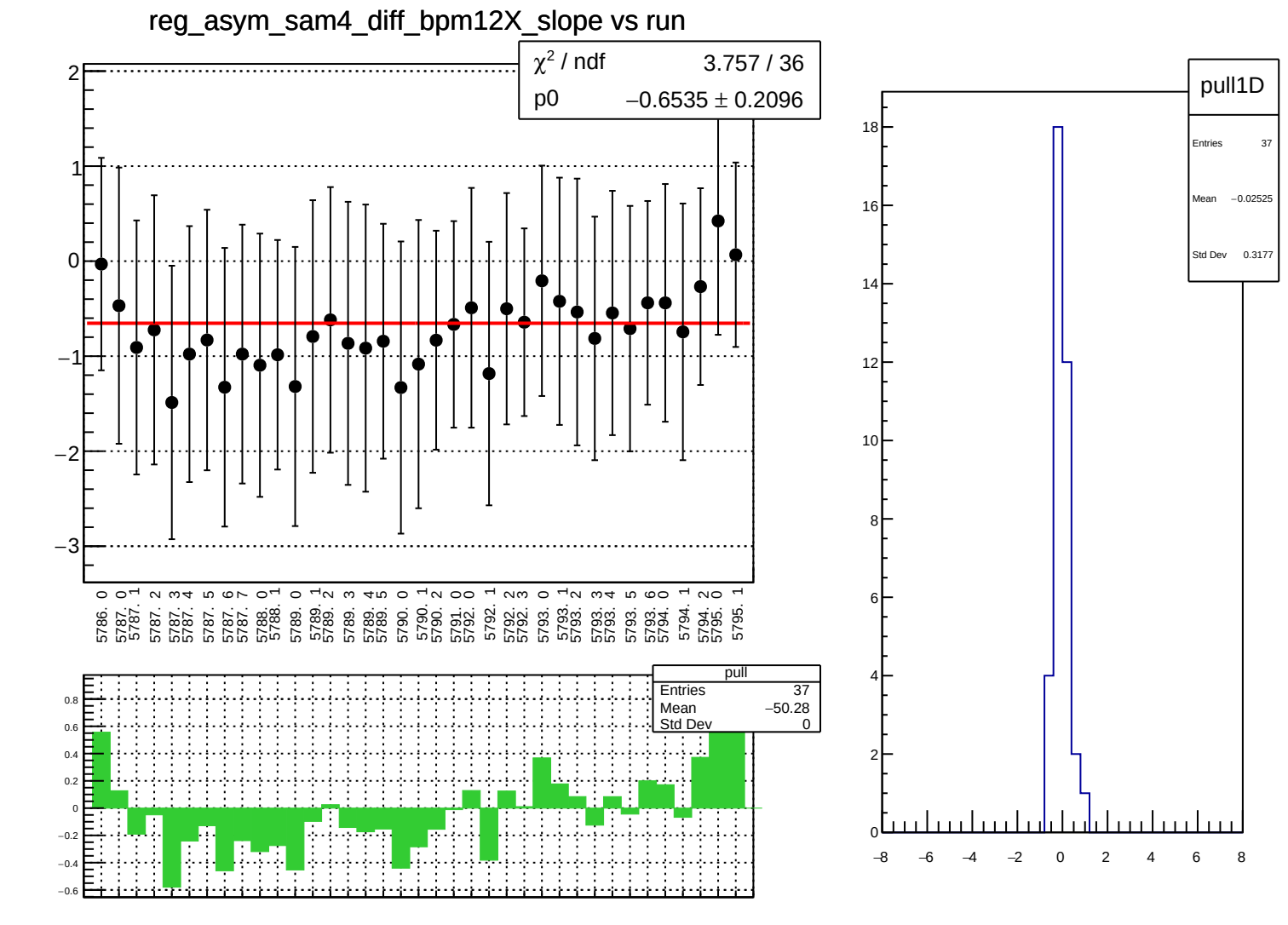

pull1D
Entries 37
Mean 0.0126
Std Dev 0.308

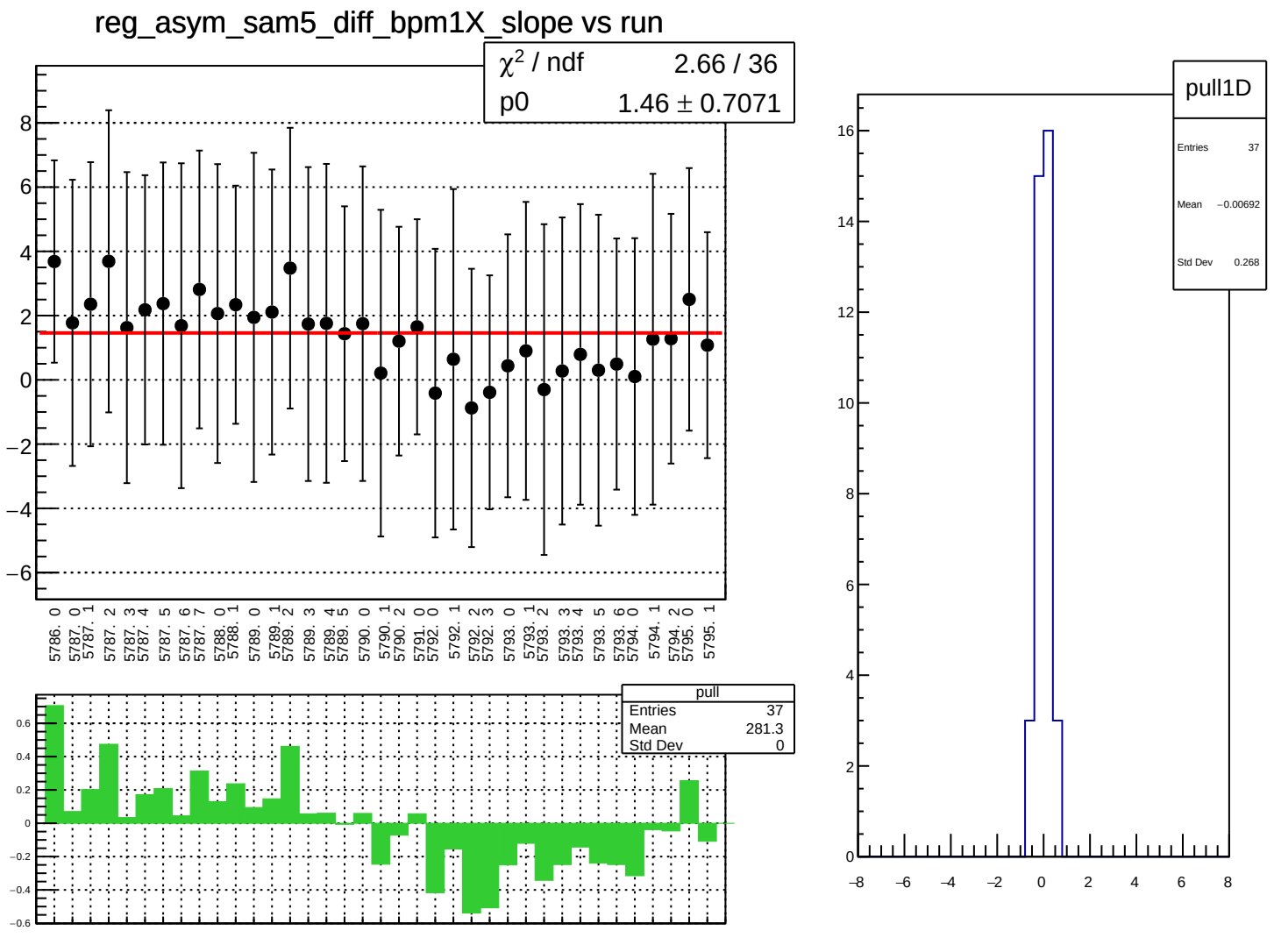

reg_asym_sam4_diff_bpm4eX_slope vs run
χ² / ndf 3.41 / 36
p0 −110.2 ± 2.528
−80
−90
−100
−110
−120
−130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −61.46
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1

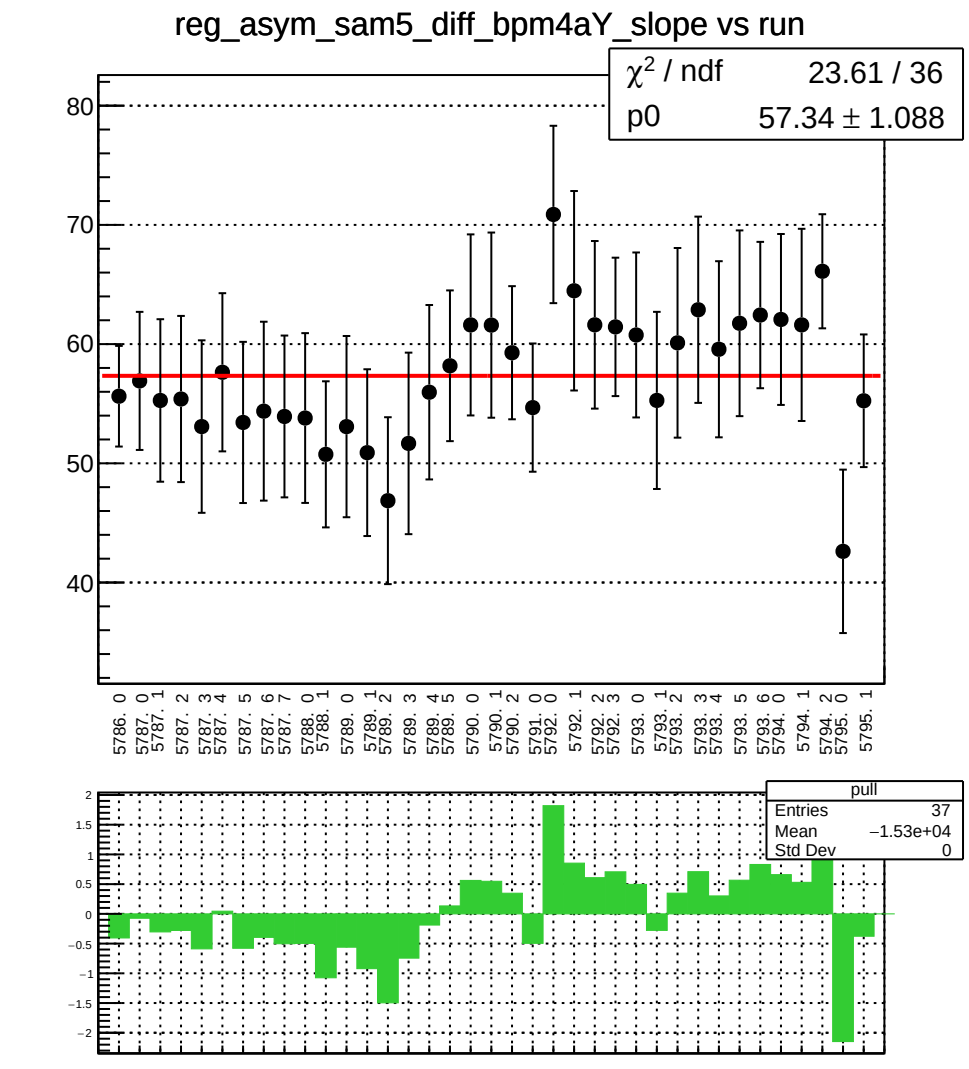

pull1D
Entries 37
Mean 0.01328
Std Dev 0.3033
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

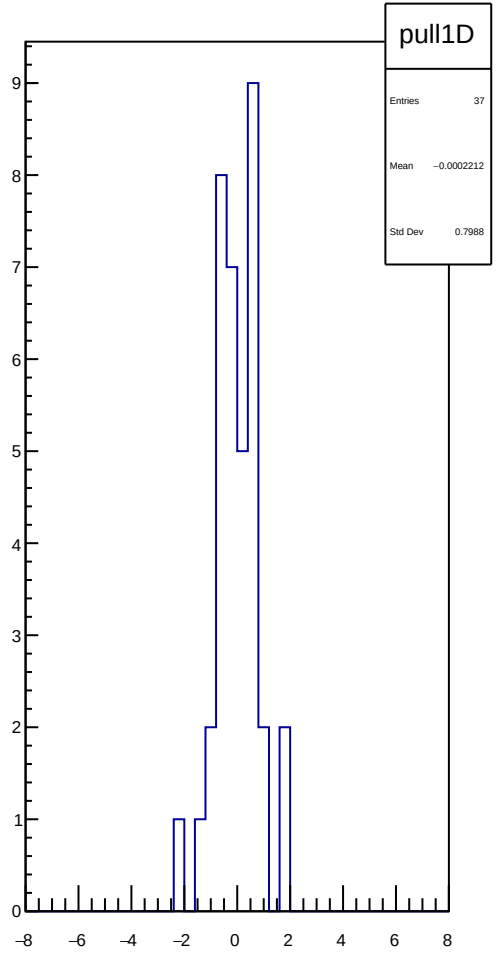

reg_asym_sam4_diff_bpm4eY_slope vs run
χ² / ndf 5.097 / 36
p0 143.6 ± 2.964
pull
Entries 37
Mean −45.07
Std Dev 0

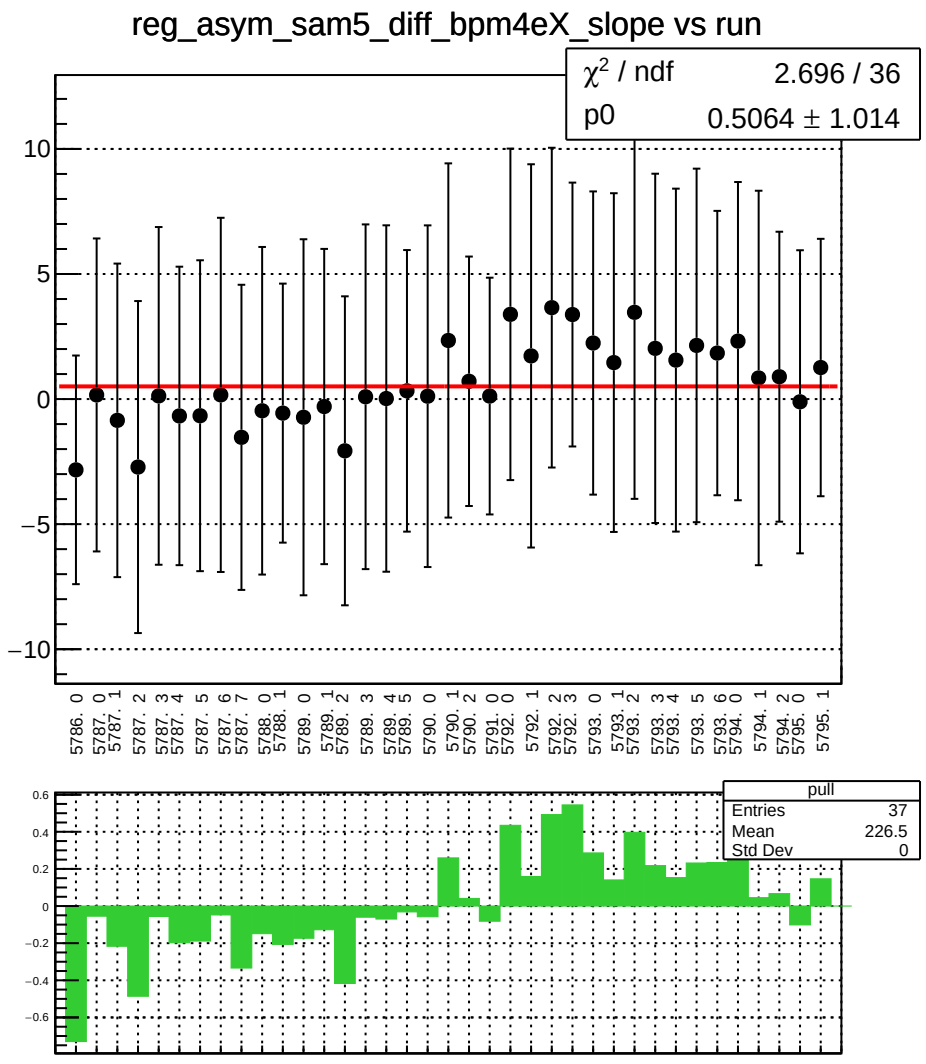

pull1D
Entries 37
Mean −0.02647
Std Dev 0.3702

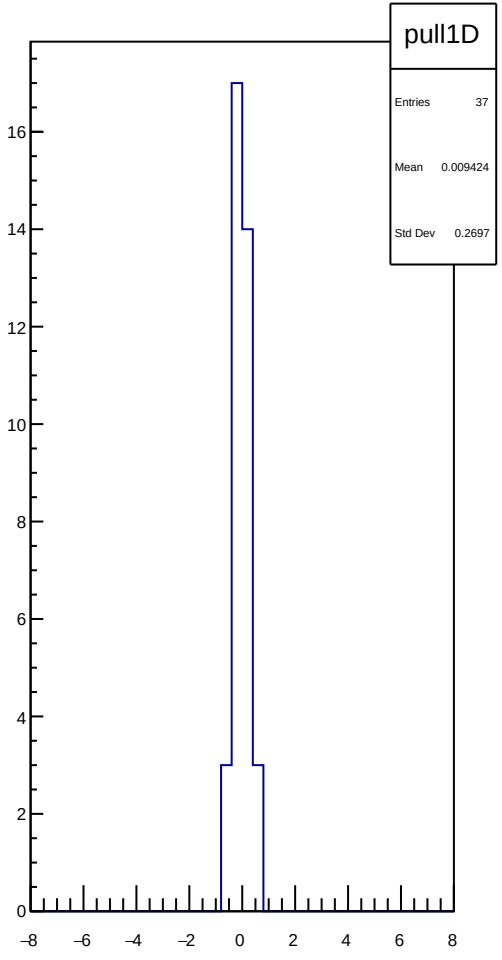

reg_asym_sam4_diff_bpm12X_slope vs run
χ² / ndf 3.757 / 36
p0 −0.6535 ± 0.2096
pull
Entries 37
Mean −50.28
Std Dev 0
pull1D
Entries 37
Mean −0.02525
Std Dev 0.3177

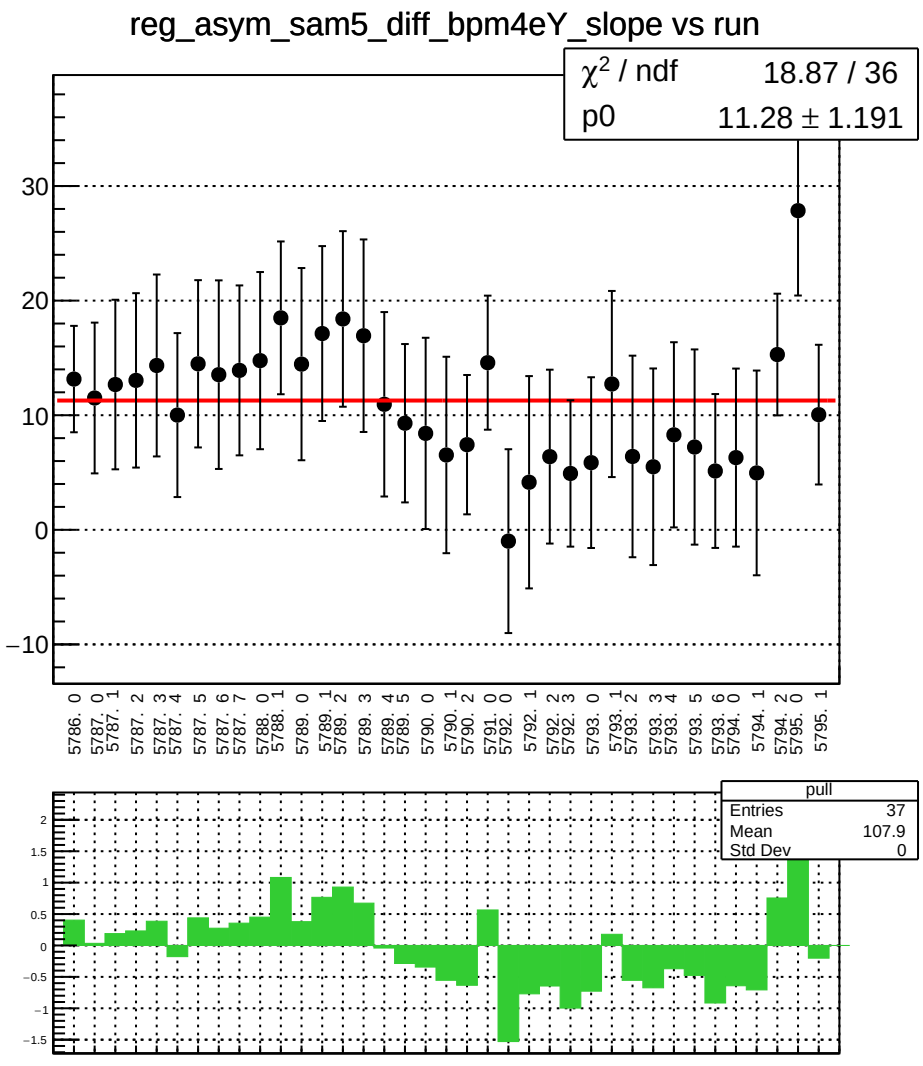

reg_asym_sam5_diff_bpm1X_slope vs run
χ² / ndf 2.66 / 36
p0 1.46 ± 0.7071
pull
Entries 37
Mean 281.3
Std Dev 0
pull1D
Entries 37
Mean −0.00692
Std Dev 0.268

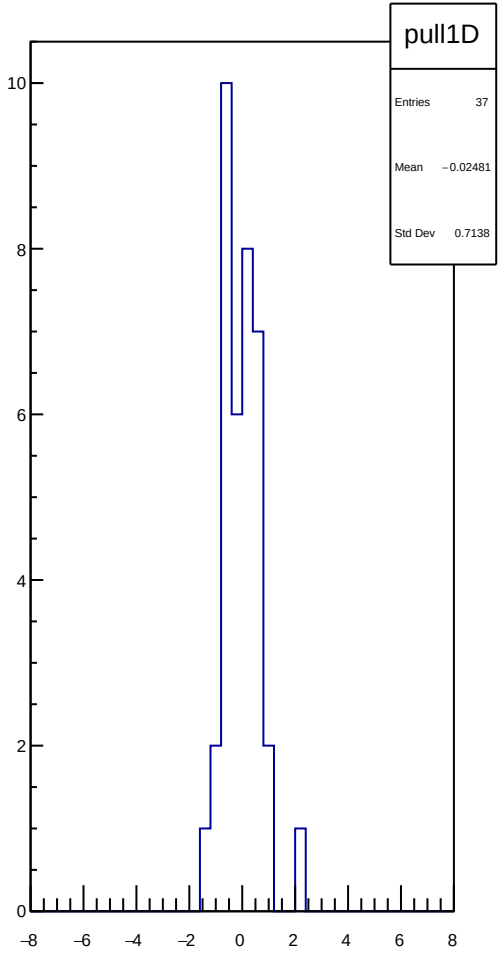

reg_asym_sam5_diff_bpm4aY_slope vs run
χ² / ndf 23.61 / 36
p0 57.34 ± 1.088
80
70
60
50
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −1.53e+04
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

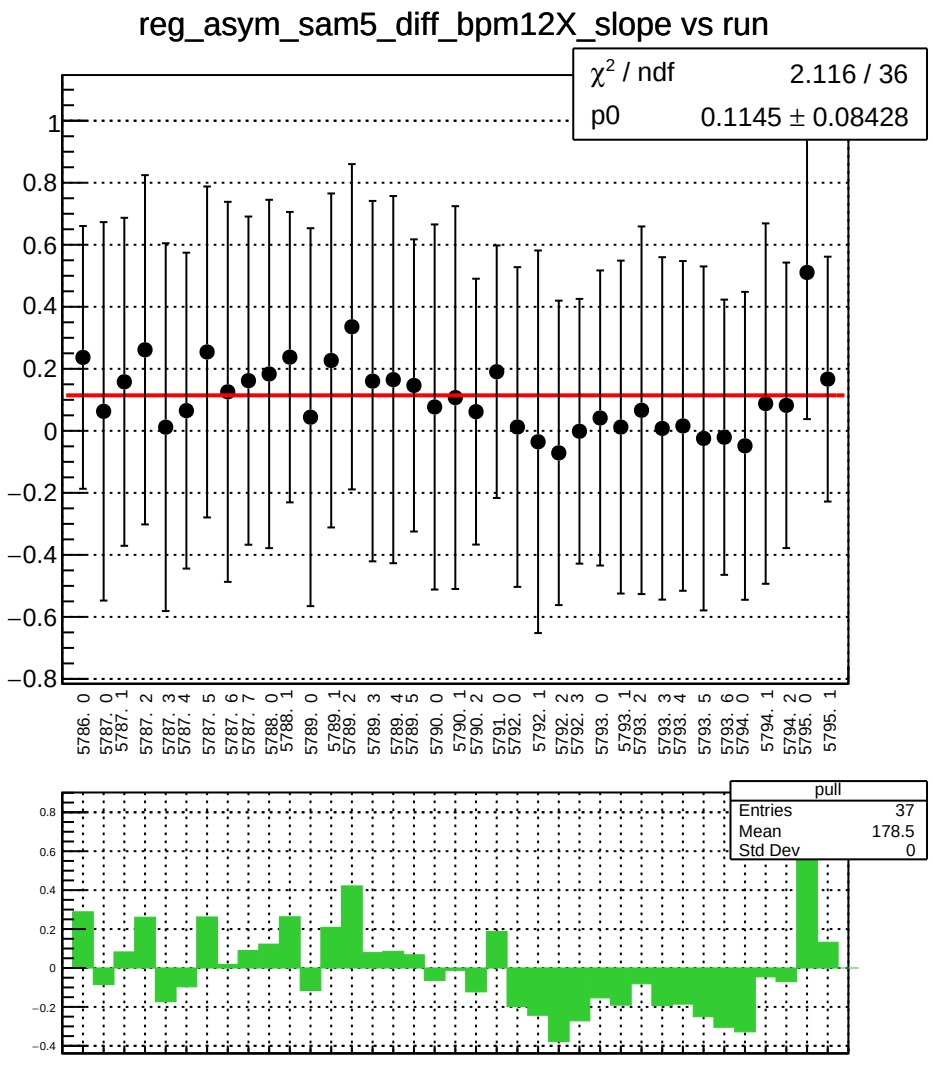

pull1D
Entries 37
Mean −0.0002212
Std Dev 0.7988
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

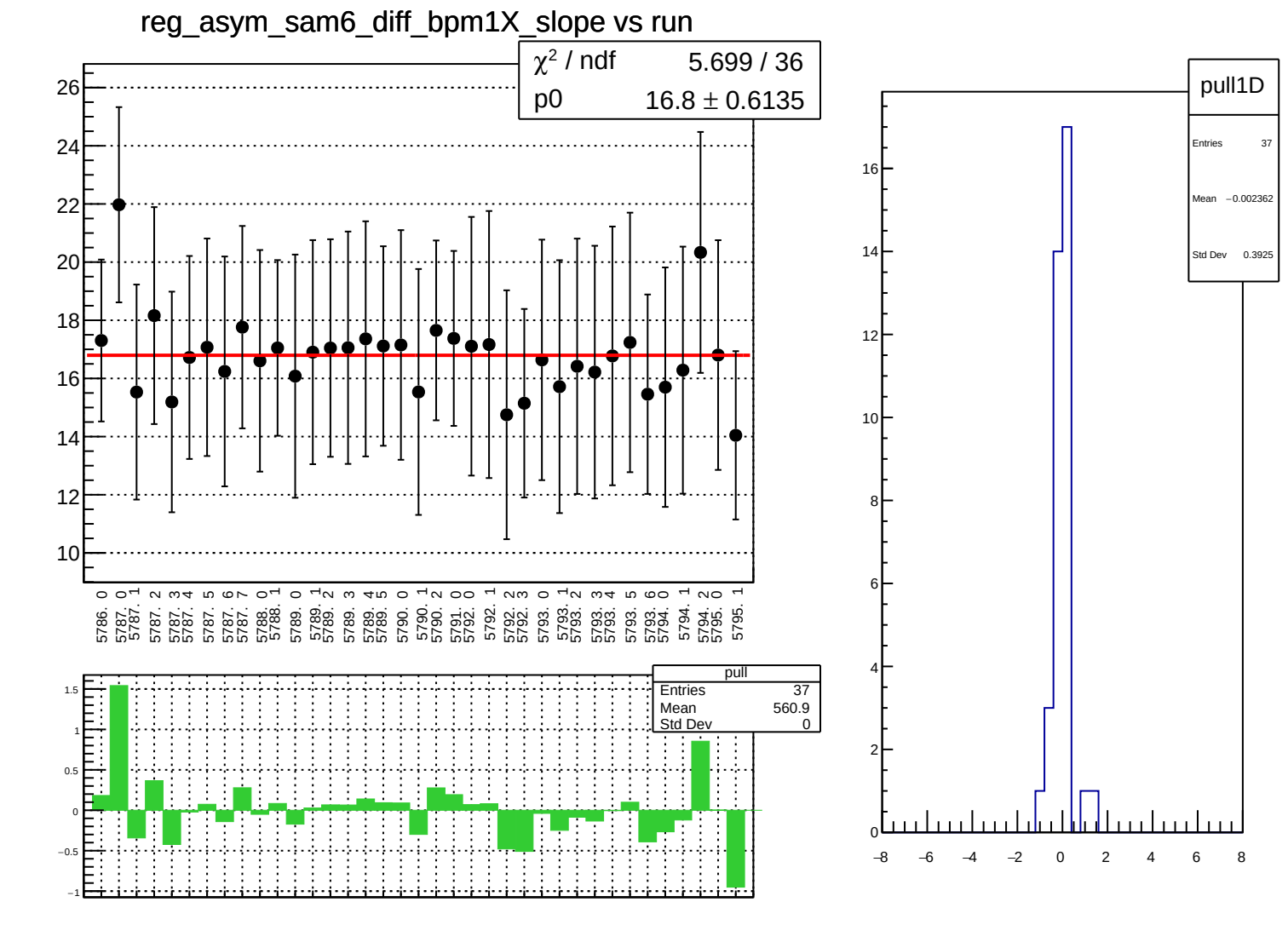

reg_asym_sam5_diff_bpm4eX_slope vs run
χ² / ndf 2.696 / 36
p0 0.5064 ± 1.014
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 226.5
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

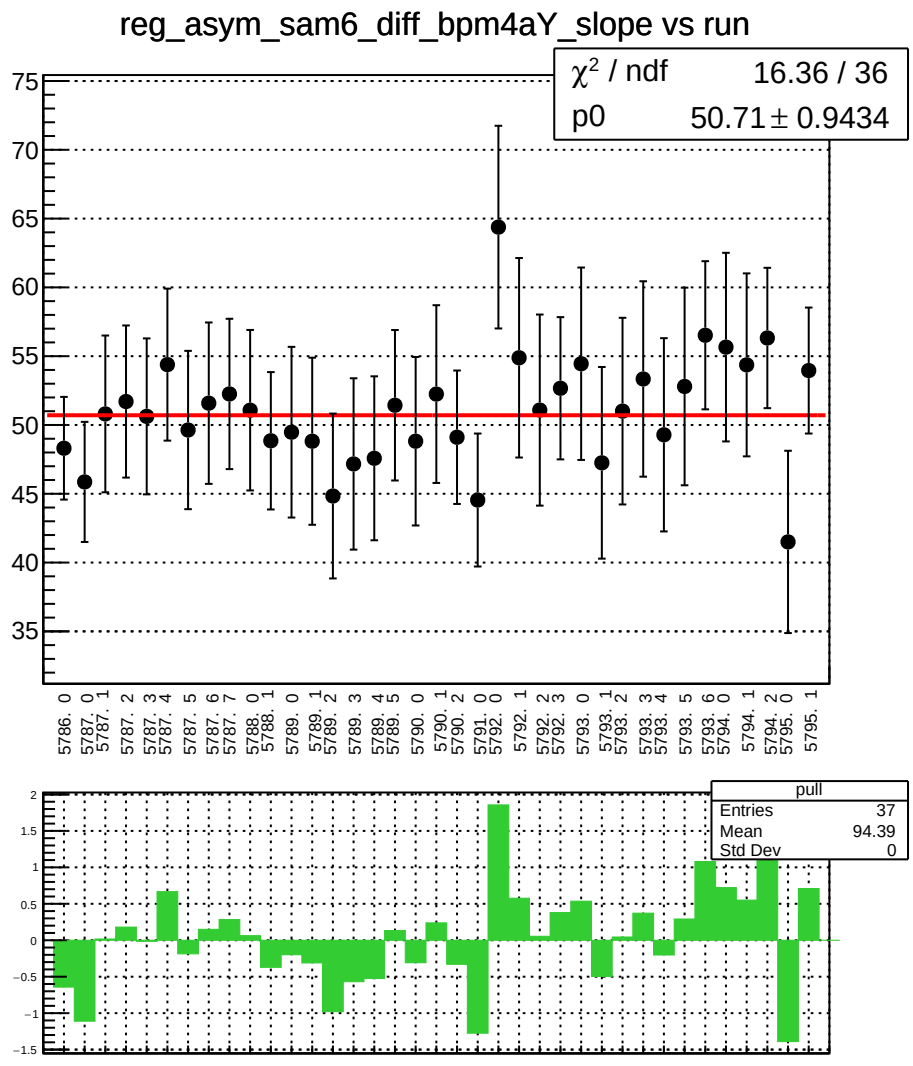

pull1D
Entries 37
Mean 0.009424
Std Dev 0.2697
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

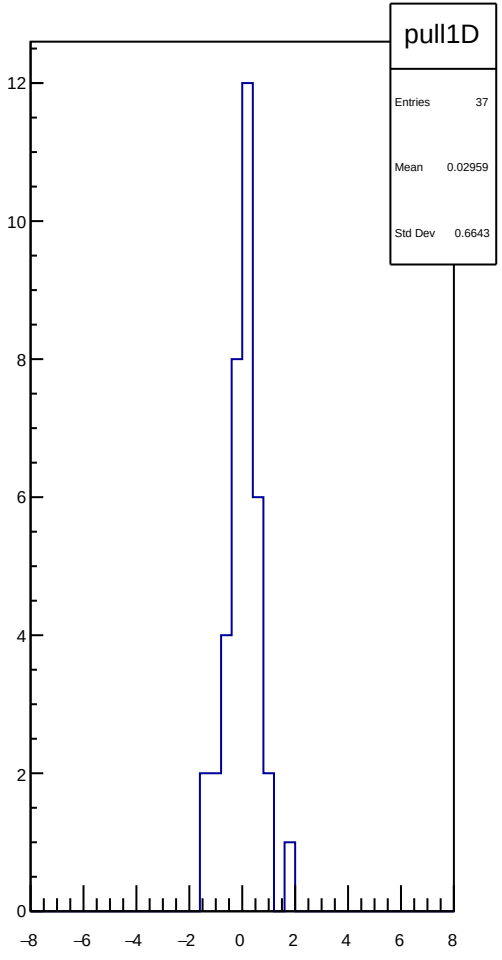

reg_asym_sam5_diff_bpm4eY_slope vs run
χ² / ndf 18.87 / 36
p0 11.28 ± 1.191
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 107.9
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

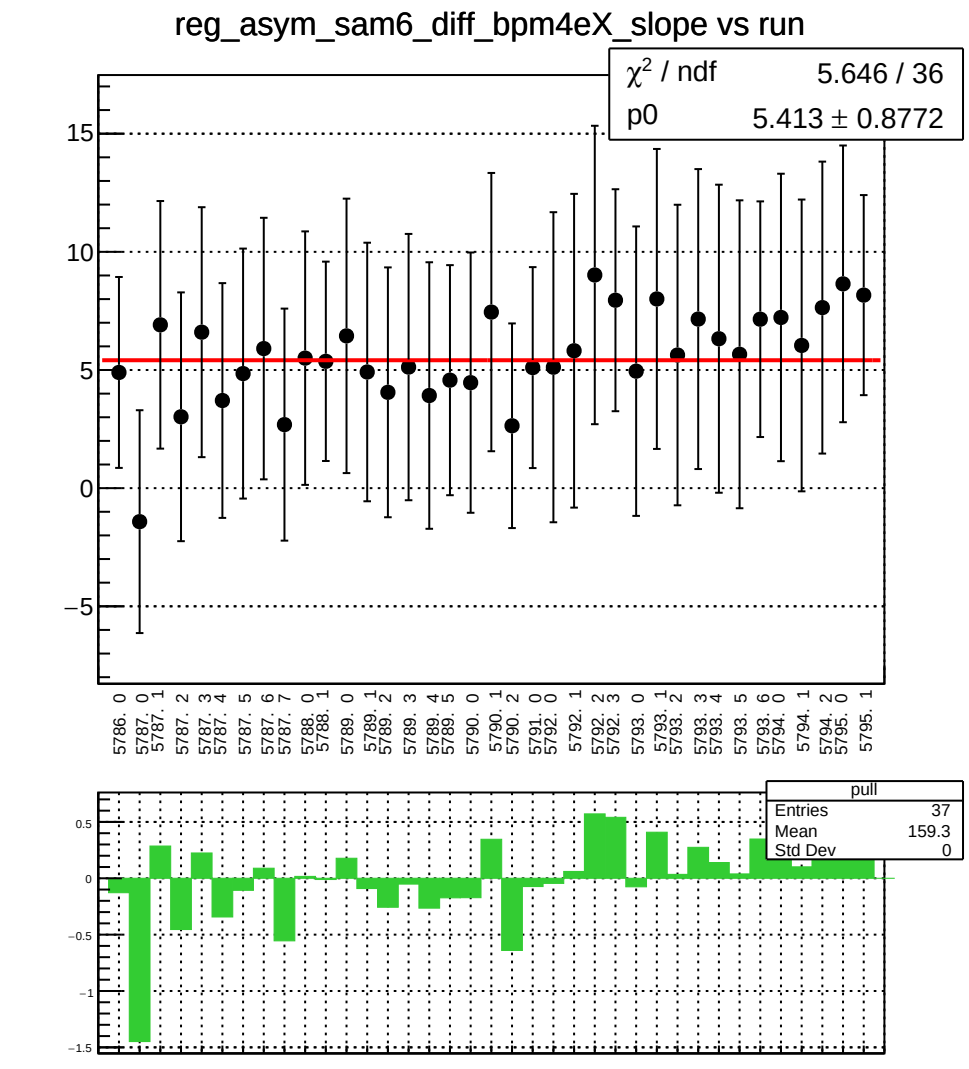

pull1D
Entries 37
Mean −0.02481
Std Dev 0.7138
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

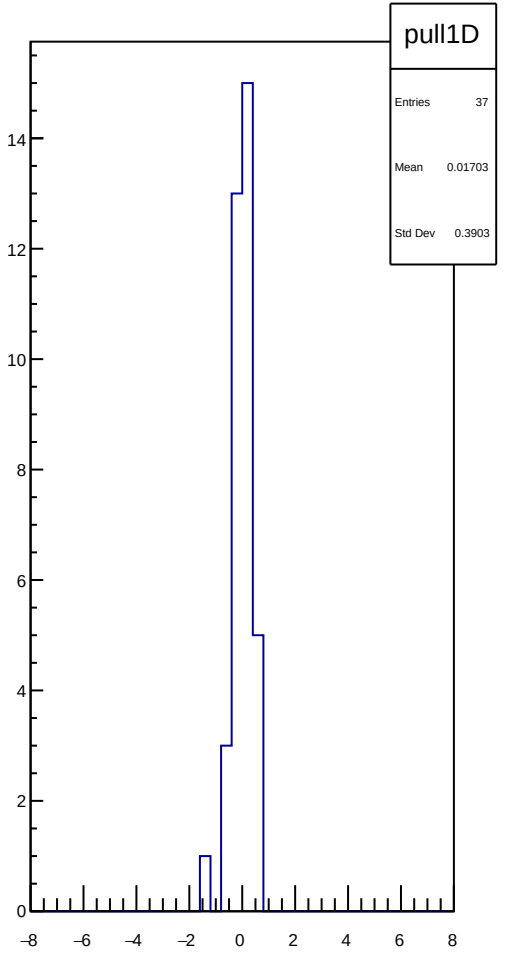

reg_asym_sam5_diff_bpm12X_slope vs run
χ² / ndf 2.116 / 36
p0 0.1145 ± 0.08428
pull
Entries 37
Mean 178.5
Std Dev 0
pull1D
Entries 37
Mean −0.004193
Std Dev 0.2391

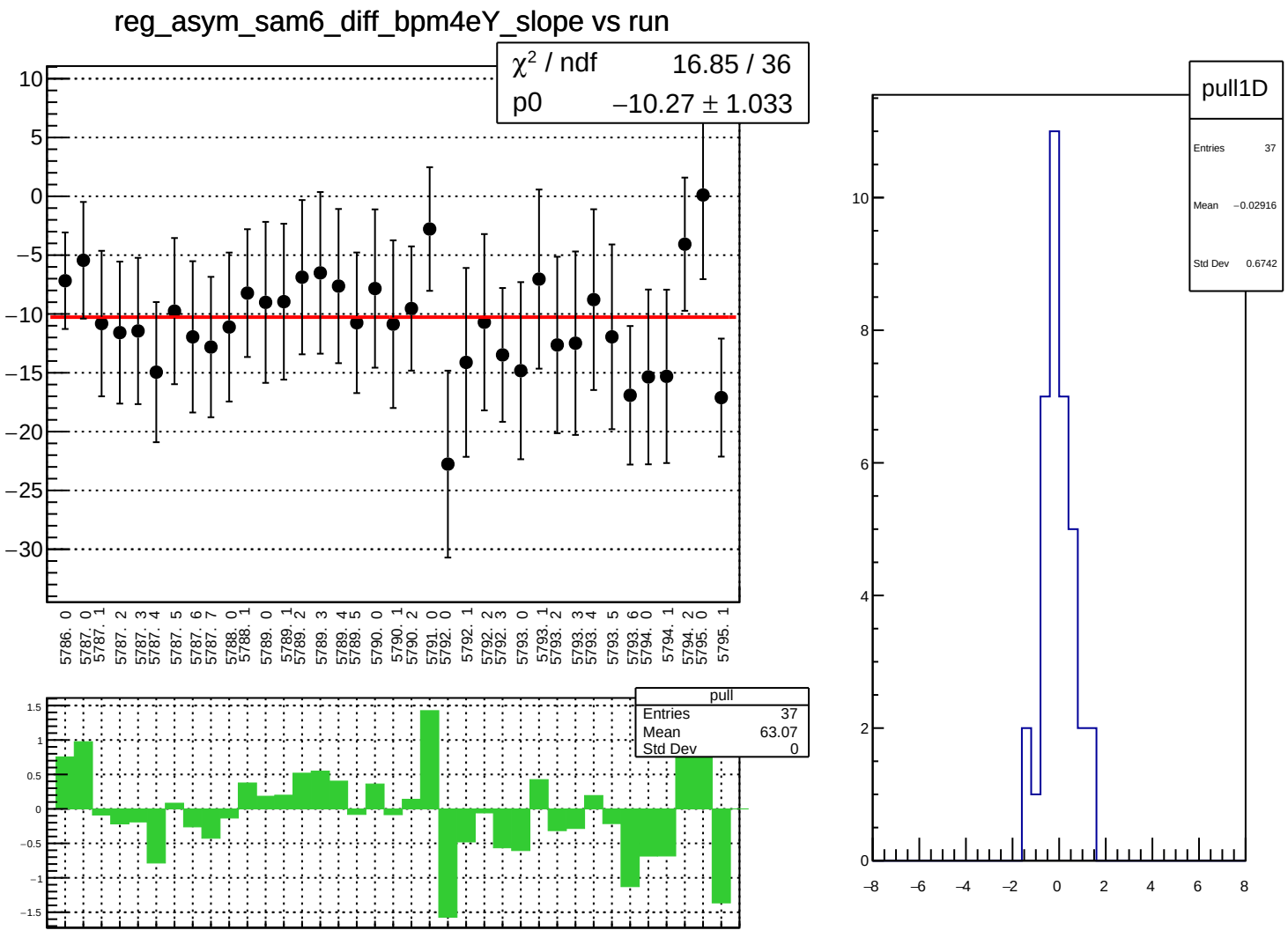

reg_asym_sam6_diff_bpm1X_slope vs run
χ² / ndf 5.699 / 36
p0 16.8 ± 0.6135
pull
Entries 37
Mean 560.9
Std Dev 0
pull1D
Entries 37
Mean −0.002362
Std Dev 0.3925

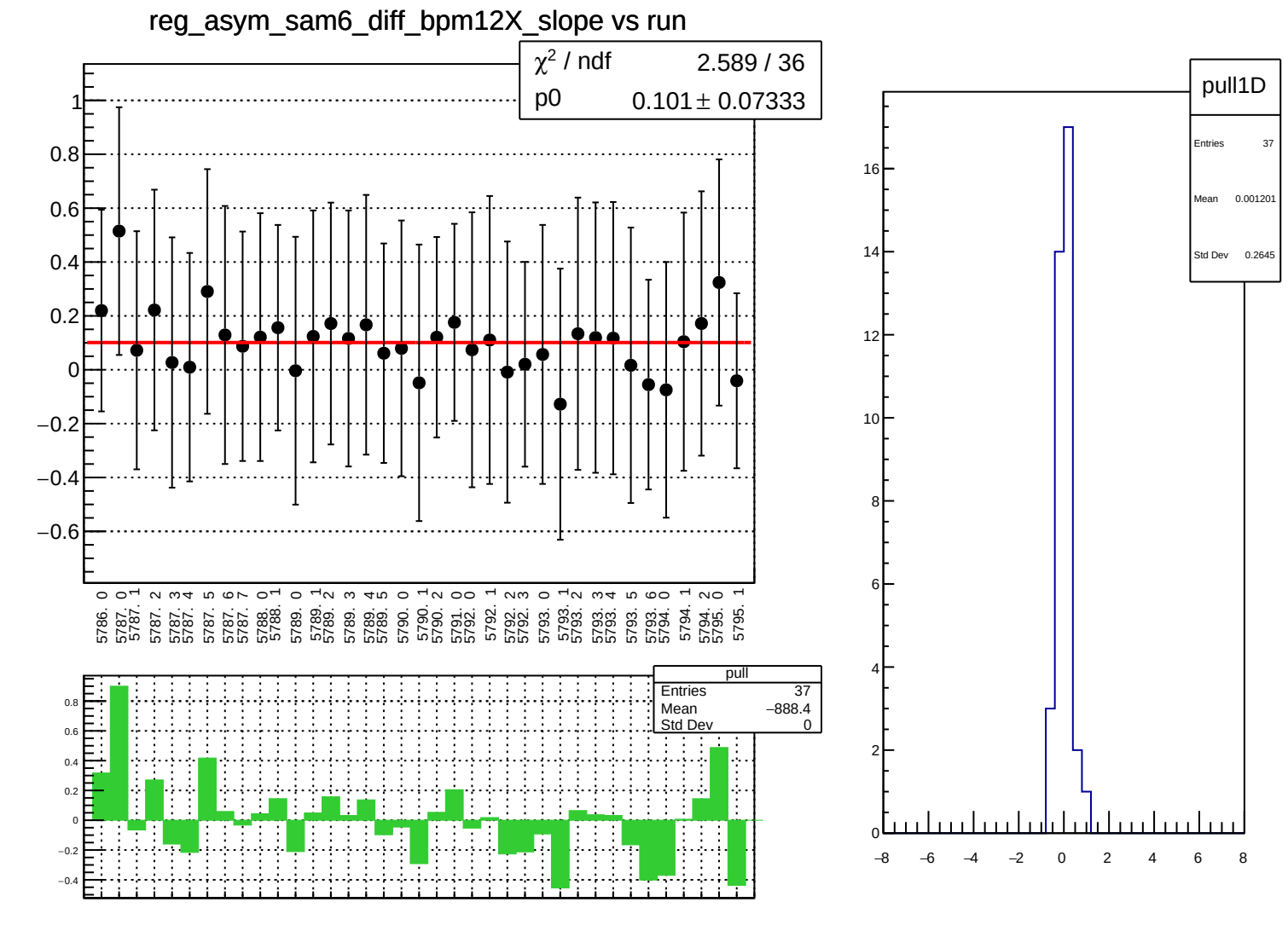

reg_asym_sam6_diff_bpm4aY_slope vs run
χ² / ndf 16.36 / 36
p0 50.71 ± 0.9434
pull
Entries 37
Mean 94.39
Std Dev 0

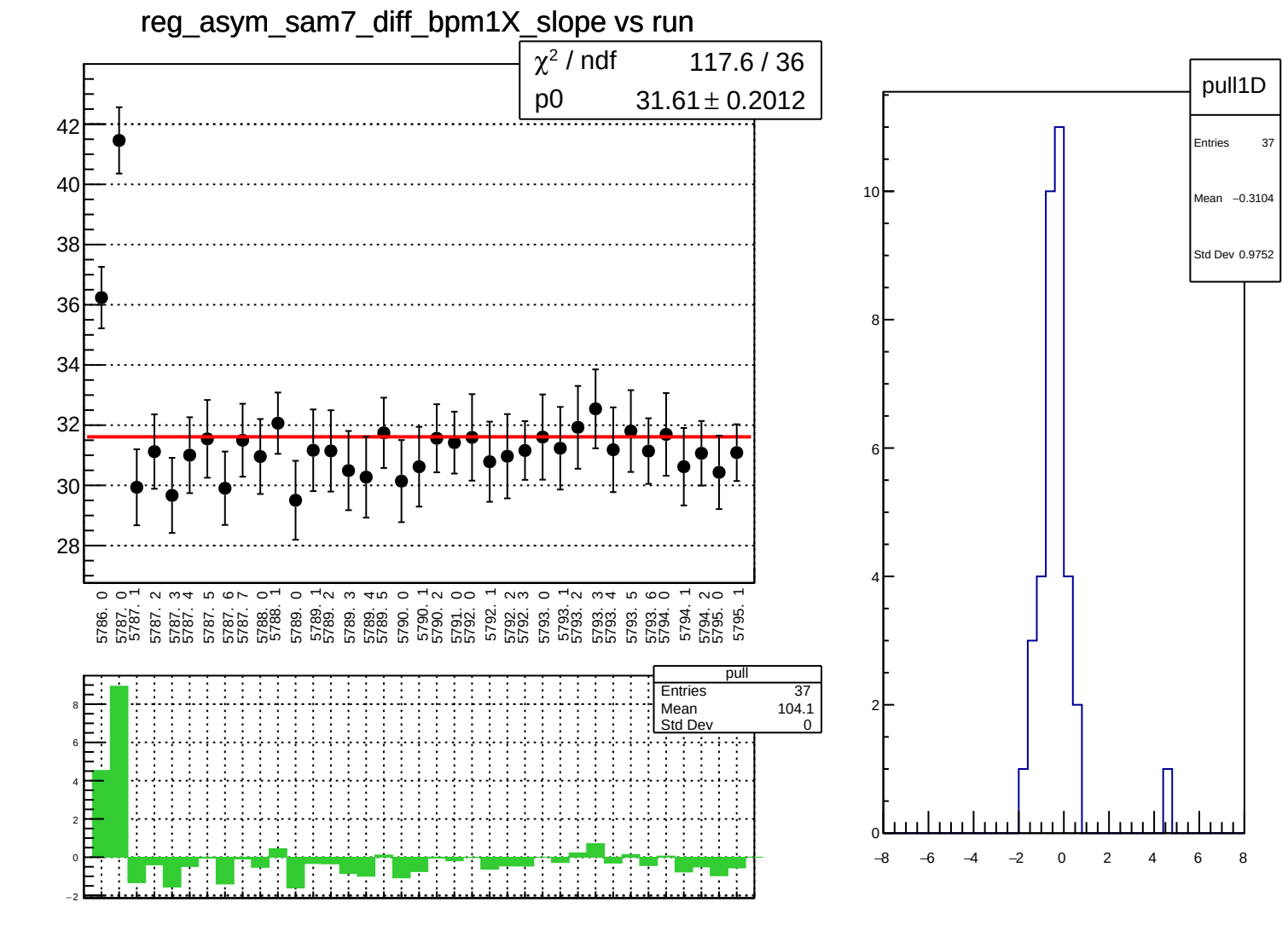

pull1D
Entries 37
Mean 0.02959
Std Dev 0.6643

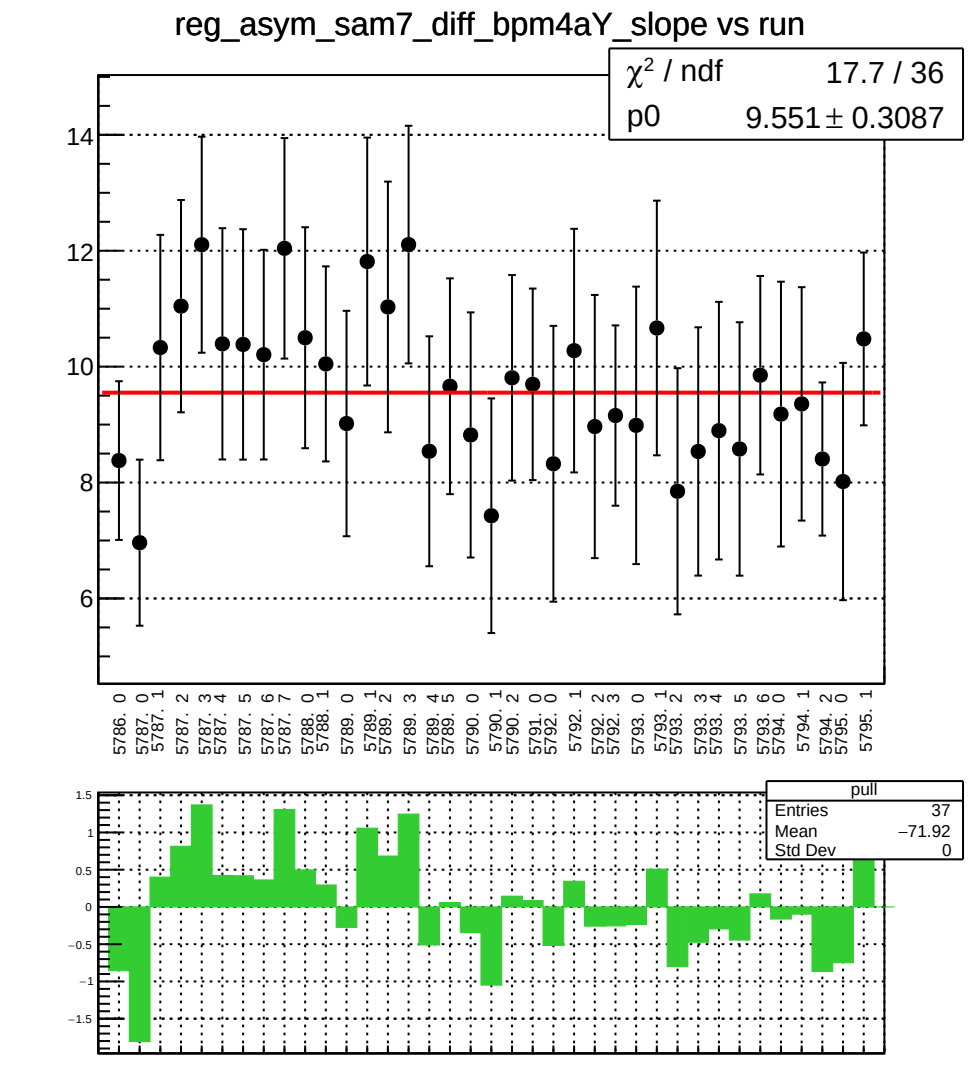

reg_asym_sam6_diff_bpm4eX_slope vs run
χ² / ndf 5.646 / 36
p0 5.413 ± 0.8772
15
10
5
0
−5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 159.3
Std Dev 0
0.5
0
−0.5
−1
−1.5

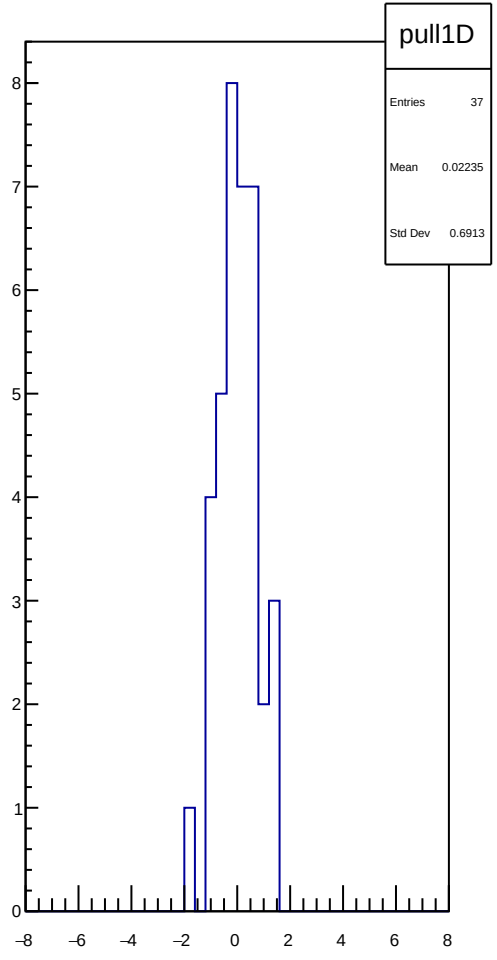

pull1D
Entries 37
Mean 0.01703
Std Dev 0.3903
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

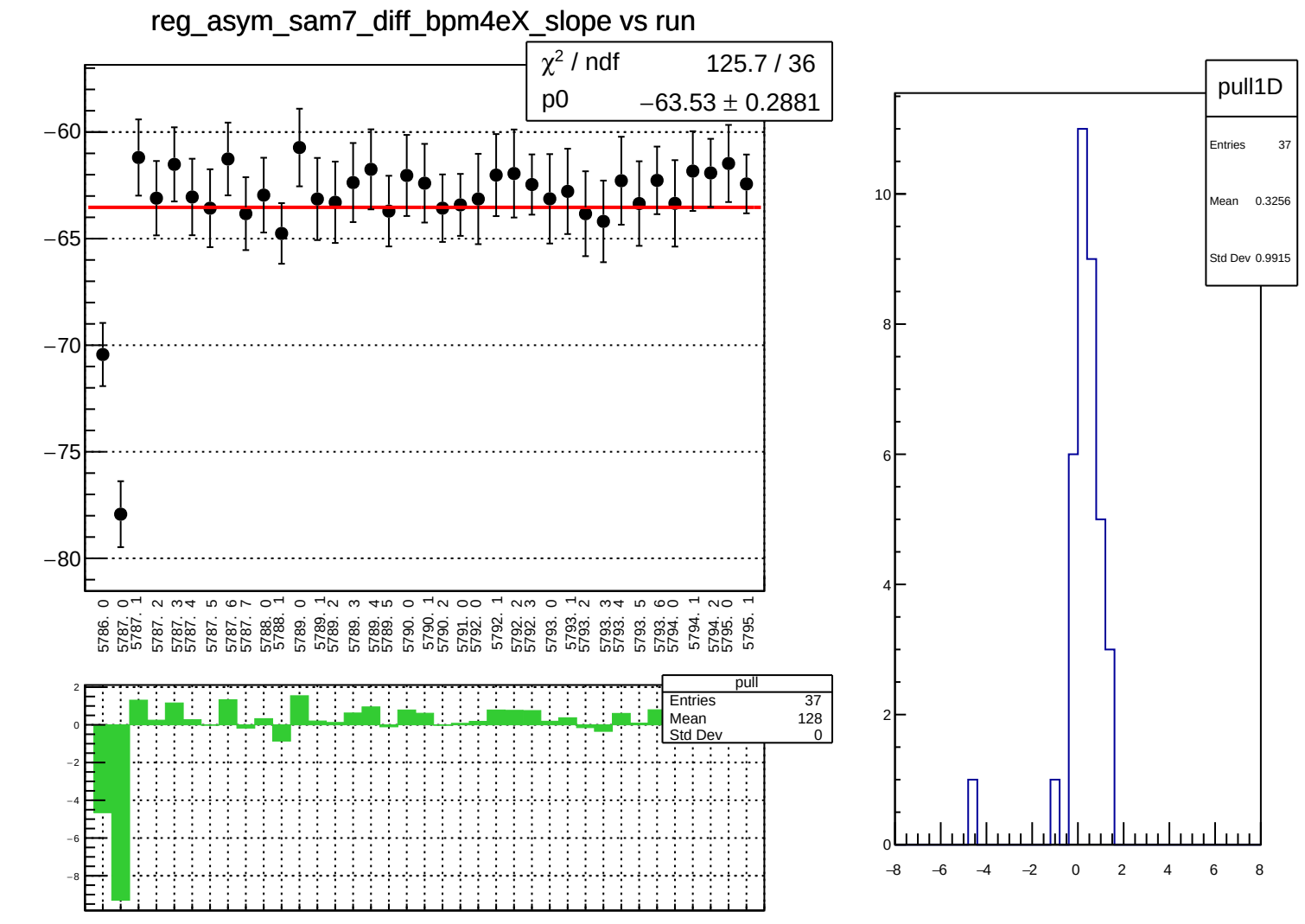

reg_asym_sam6_diff_bpm4eY_slope vs run
χ² / ndf 16.85 / 36
p0 −10.27 ± 1.033
pull
Entries 37
Mean 63.07
Std Dev 0
pull1D
Entries 37
Mean −0.02916
Std Dev 0.6742

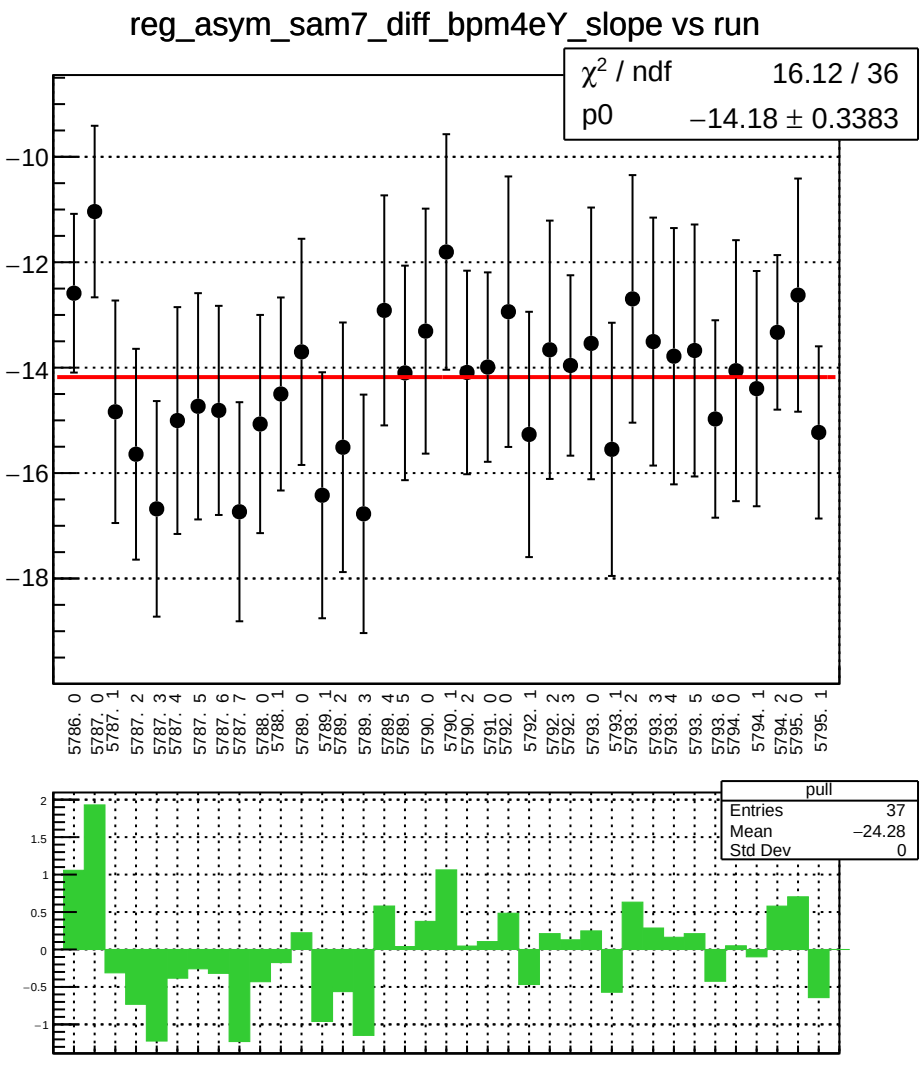

reg_asym_sam6_diff_bpm12X_slope vs run
χ² / ndf 2.589 / 36
p0 0.101 ± 0.07333
pull
Entries 37
Mean −888.4
Std Dev 0
pull1D
Entries 37
Mean 0.001201
Std Dev 0.2645

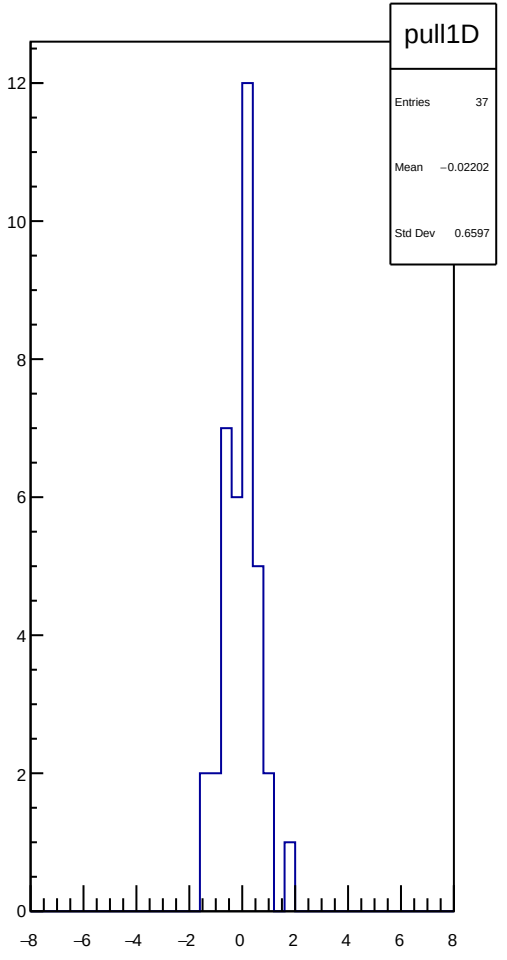

reg_asym_sam7_diff_bpm1X_slope vs run
χ² / ndf 117.6 / 36
p0 31.61 ± 0.2012
pull
Entries 37
Mean 104.1
Std Dev 0
pull1D
Entries 37
Mean −0.3104
Std Dev 0.9752

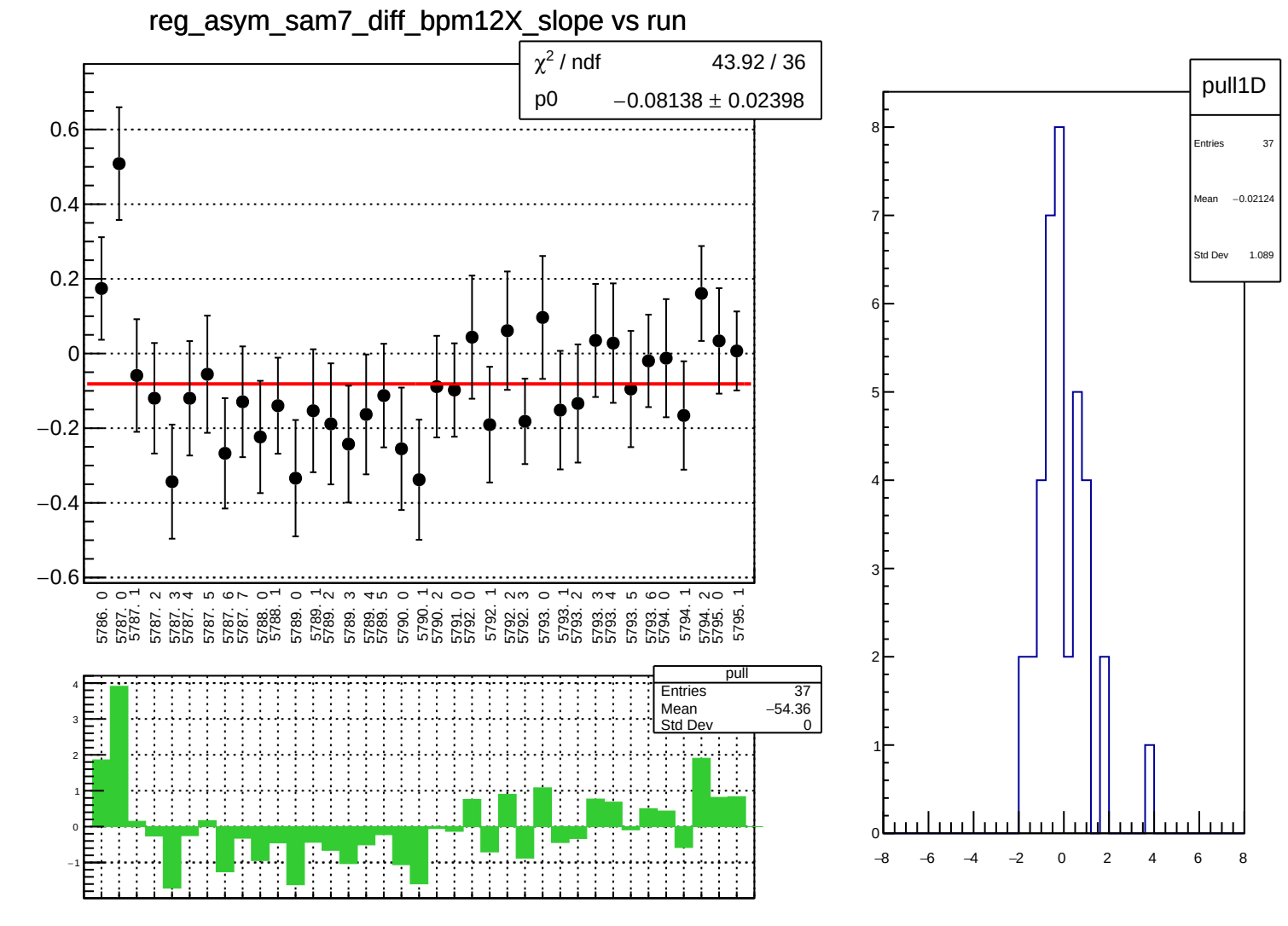

reg_asym_sam7_diff_bpm4aY_slope vs run
χ² / ndf 17.7 / 36
p0 9.551 ± 0.3087
14
12
10
8
6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −71.92
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

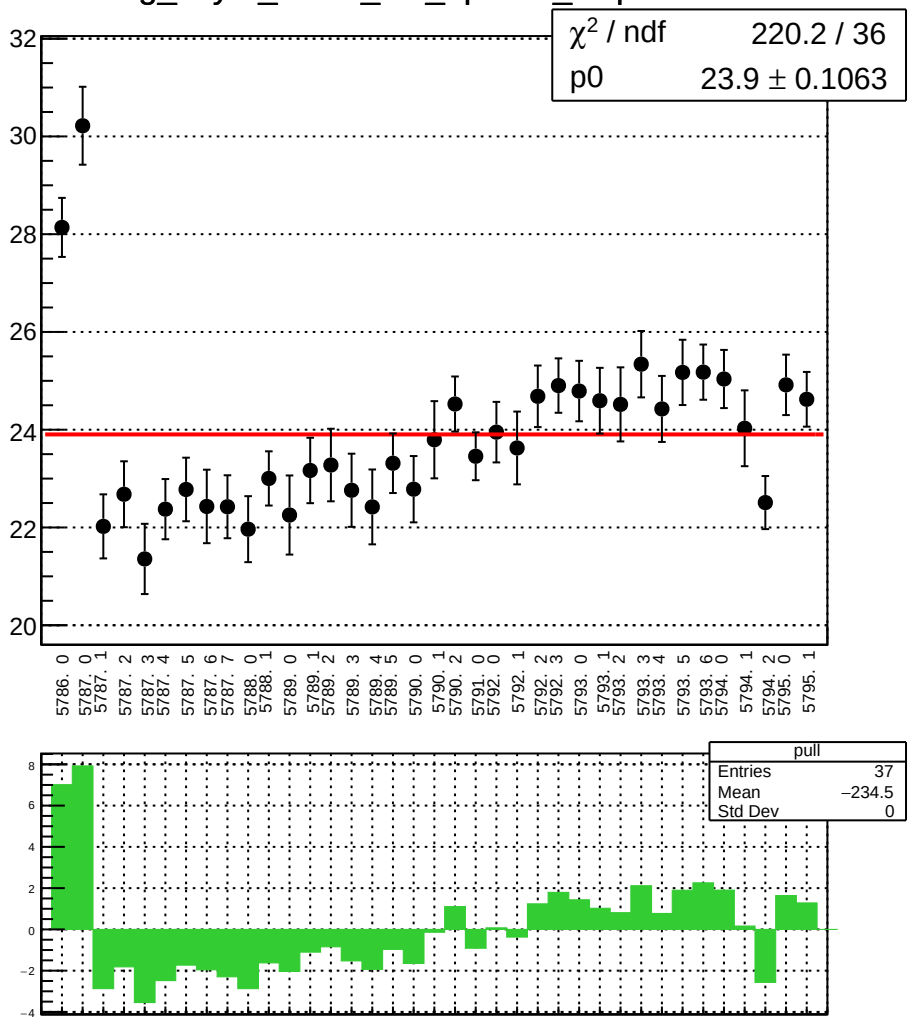

pull1D
Entries 37
Mean 0.02235
Std Dev 0.6913
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

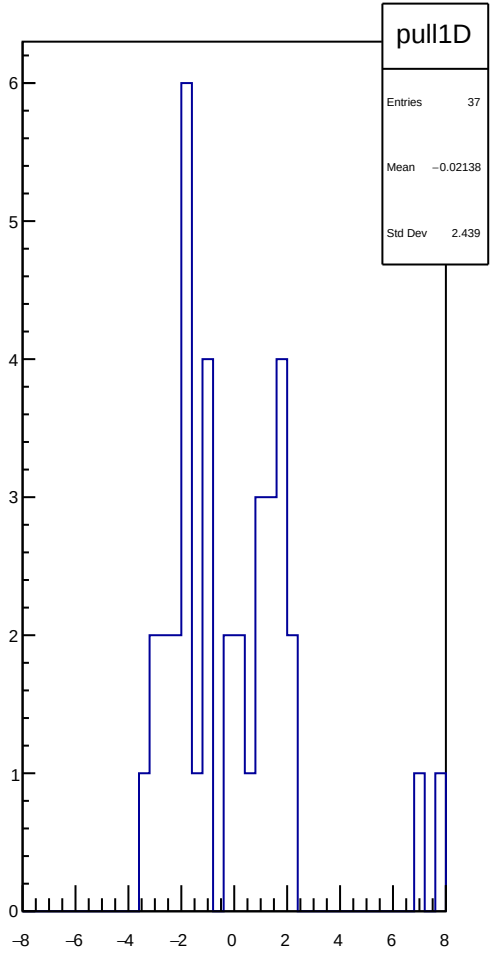

reg_asym_sam7_diff_bpm4eX_slope vs run
χ² / ndf 125.7 / 36
p0 −63.53 ± 0.2881
−60
−65
−70
−75
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128
Std Dev 0
2
0
−2
−4
−6
−8
pull1D
Entries 37
Mean 0.3256
Std Dev 0.9915
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

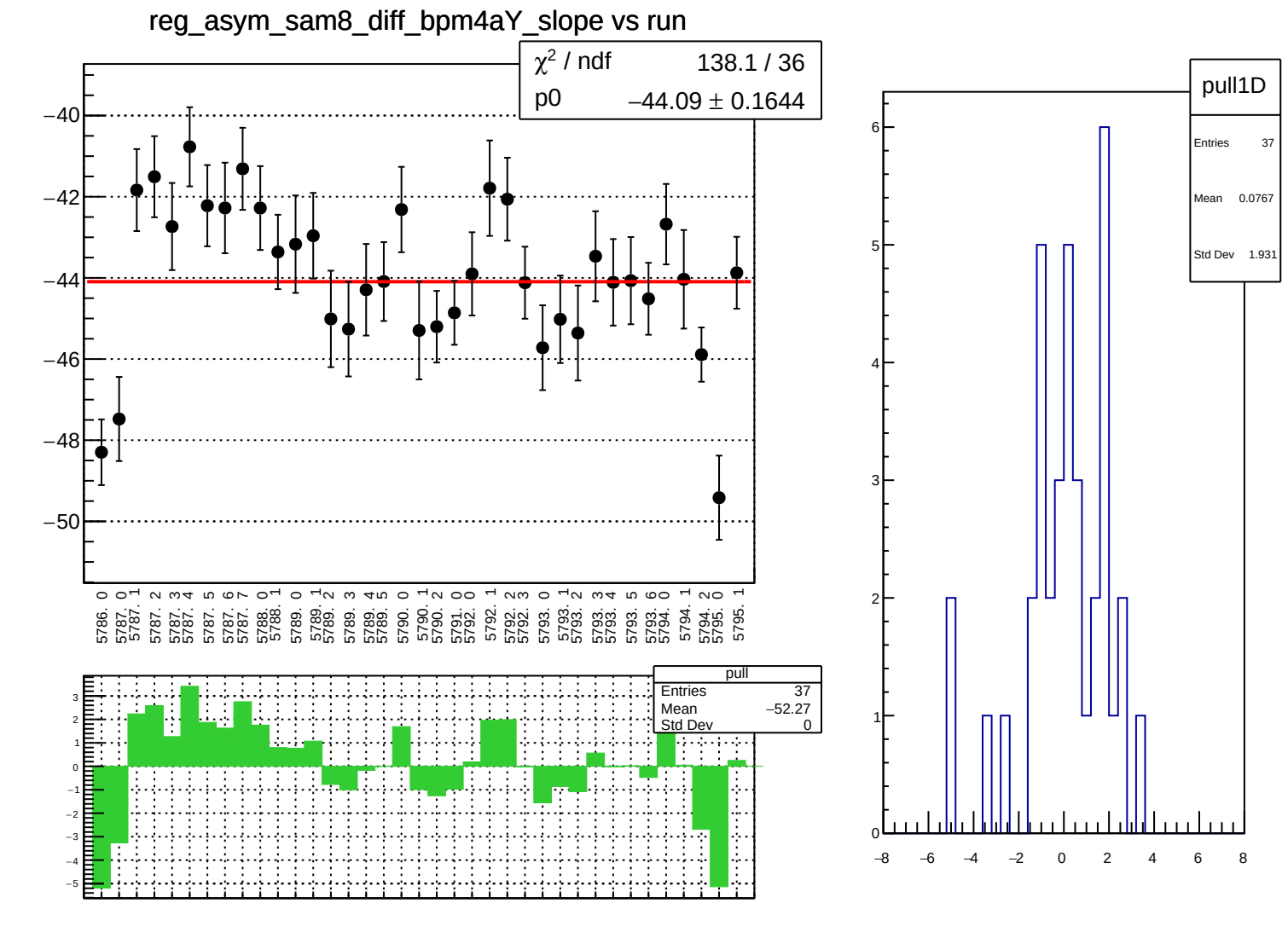

reg_asym_sam7_diff_bpm4eY_slope vs run
χ² / ndf 16.12 / 36
p0 −14.18 ± 0.3383
−10
−12
−14
−16
−18
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −24.28
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

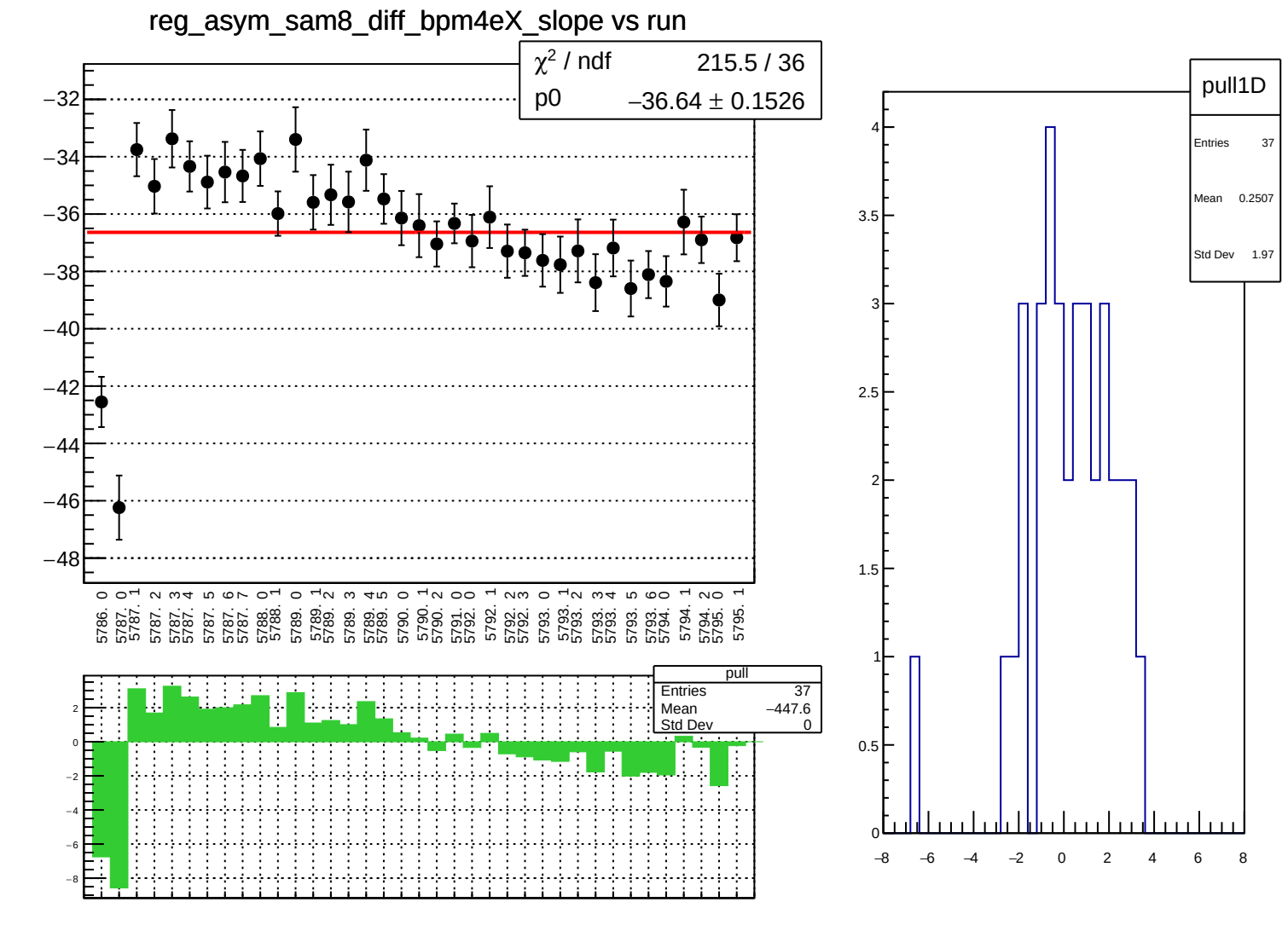

pull1D
Entries 37
Mean −0.02202
Std Dev 0.6597
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

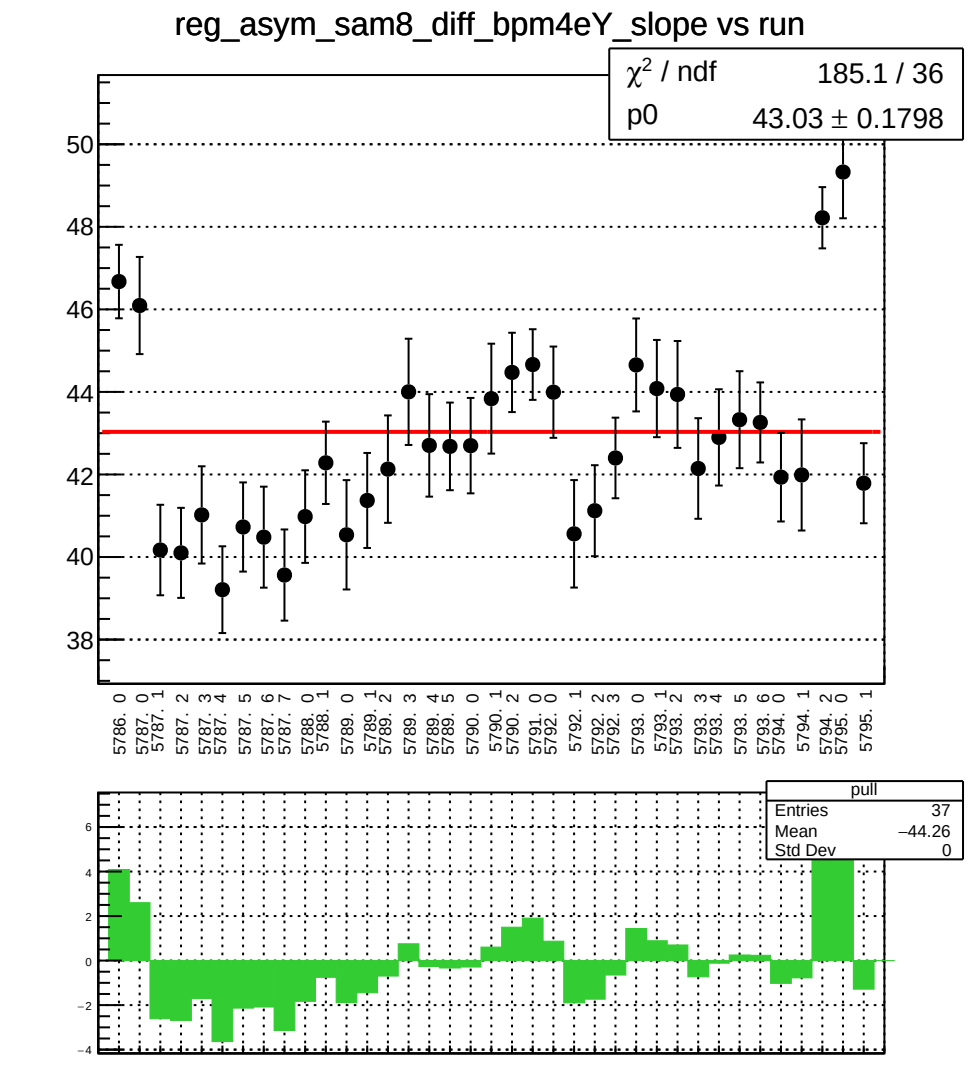

reg_asym_sam7_diff_bpm12X_slope vs run
χ² / ndf 43.92 / 36
p0 −0.08138 ± 0.02398
pull
Entries 37
Mean −54.36
Std Dev 0
pull1D
Entries 37
Mean −0.02124
Std Dev 1.089

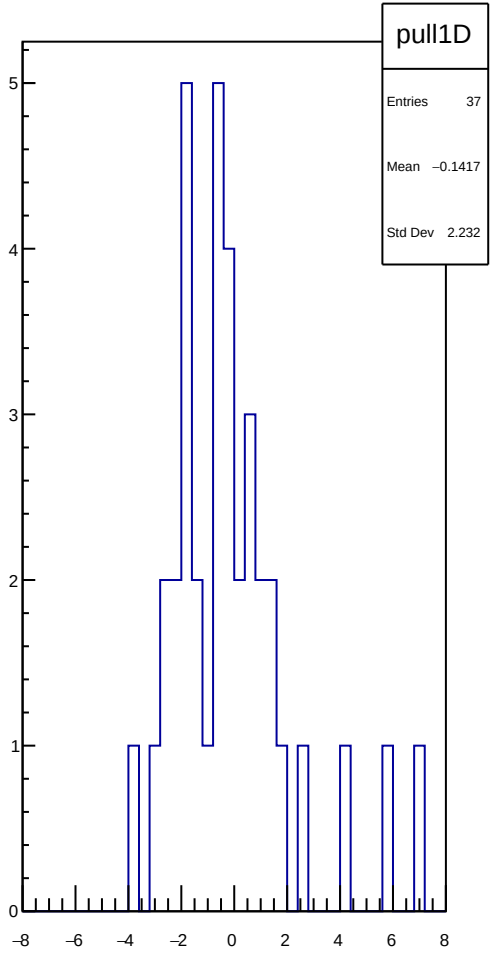

reg_asym_sam8_diff_bpm1X_slope vs run
χ² / ndf 220.2 / 36
p0 23.9 ± 0.1063
pull
Entries 37
Mean −234.5
Std Dev 0

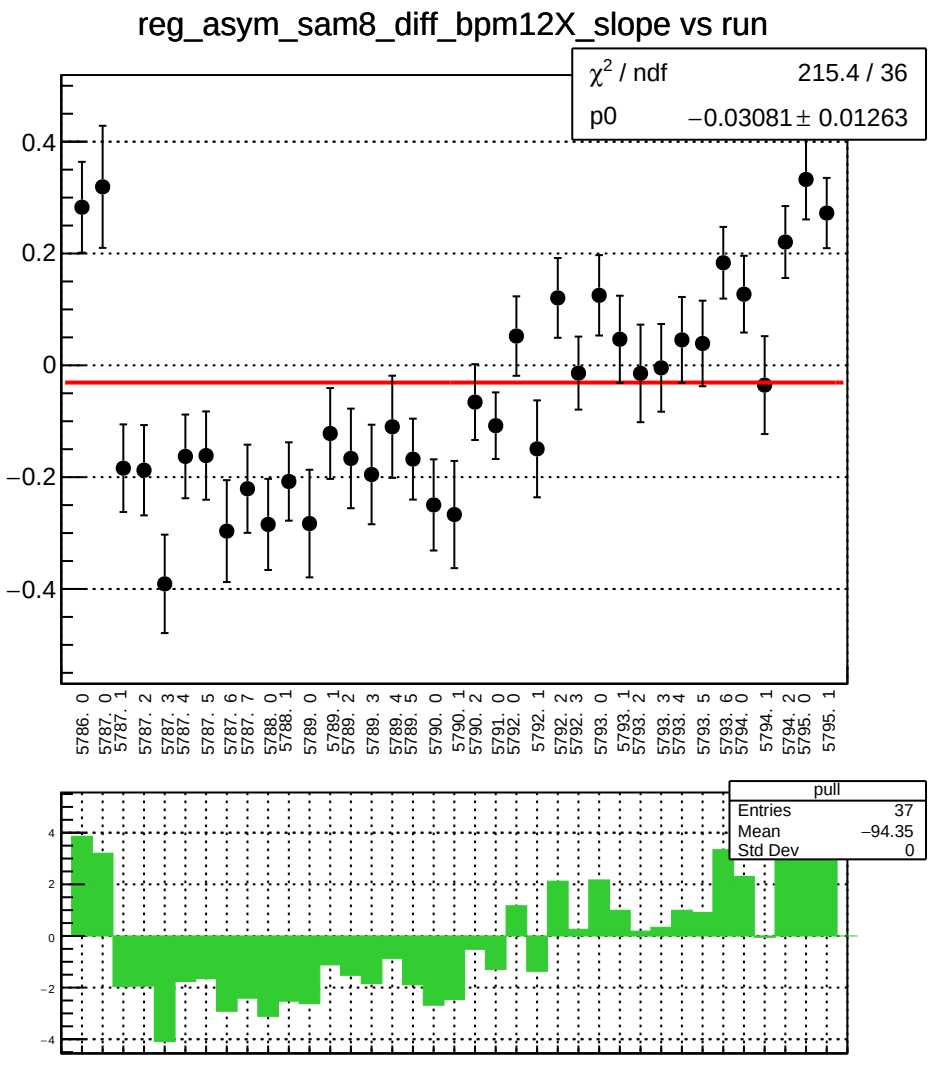

pull1D
Entries 37
Mean −0.02138
Std Dev 2.439

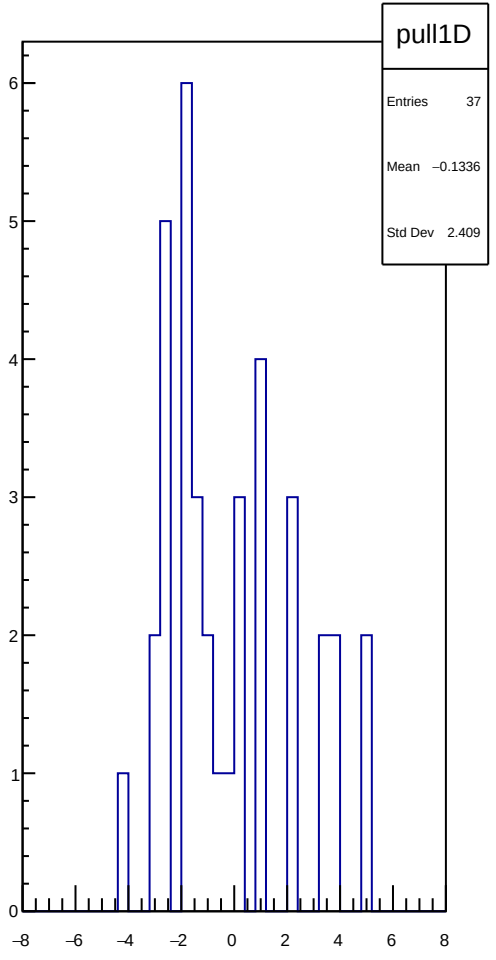

reg_asym_sam8_diff_bpm4aY_slope vs run
χ² / ndf 138.1 / 36
p0 −44.09 ± 0.1644
−40
−42
−44
−46
−48
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −52.27
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5
pull1D
Entries 37
Mean 0.0767
Std Dev 1.931
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

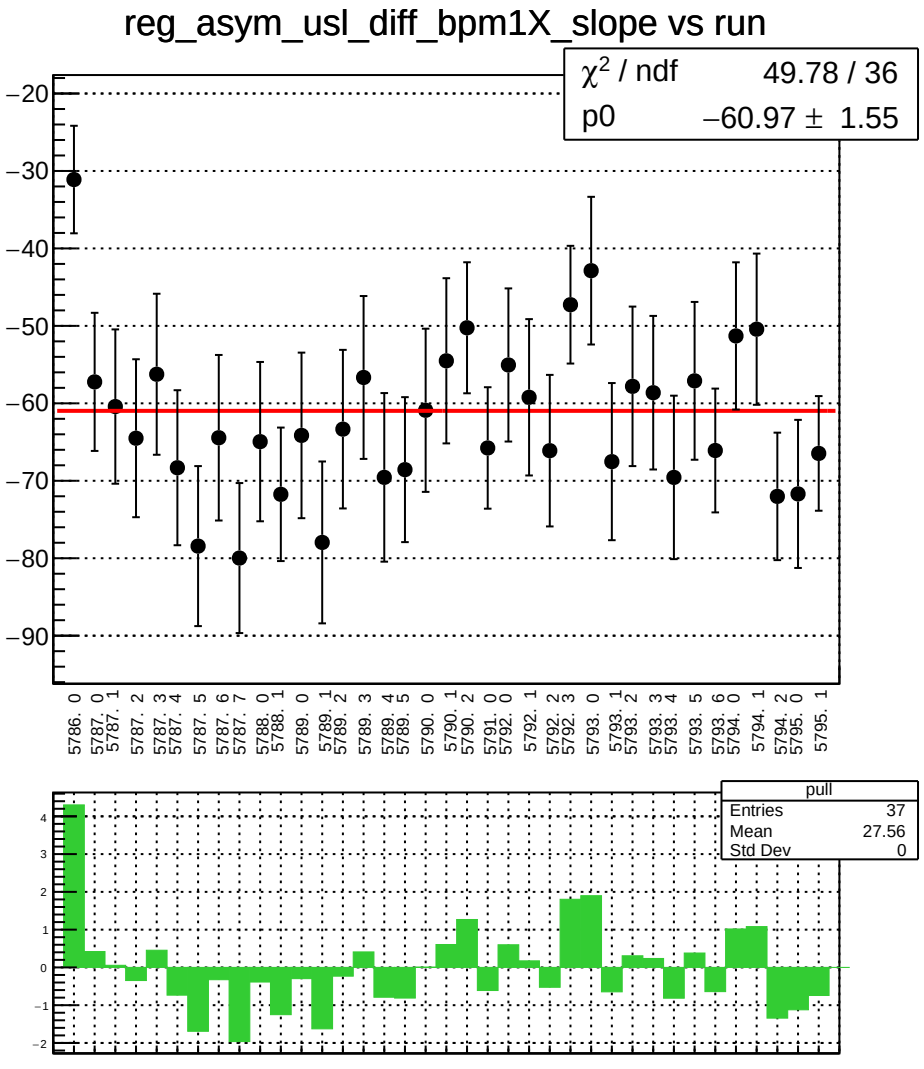

reg_asym_sam8_diff_bpm4eX_slope vs run
χ² / ndf 215.5 / 36
p0 −36.64 ± 0.1526
pull
Entries 37
Mean −447.6
Std Dev 0
pull1D
Entries 37
Mean 0.2507
Std Dev 1.97

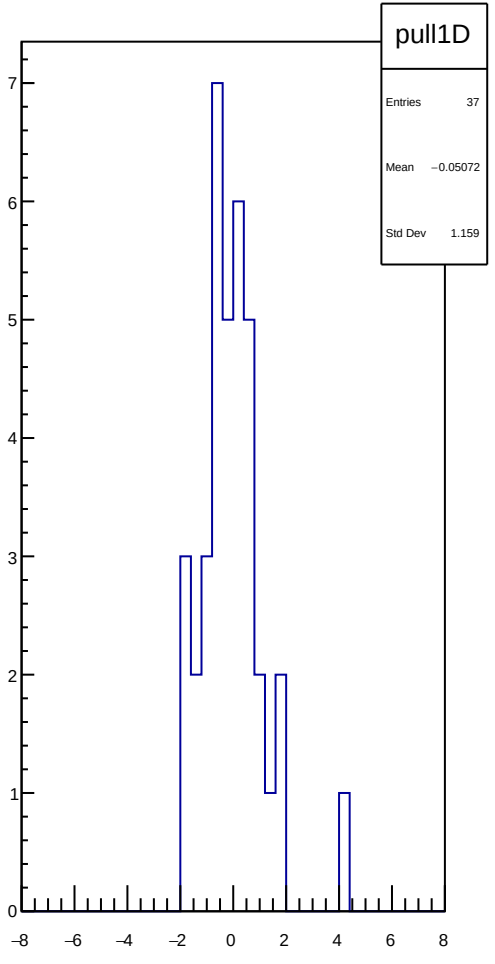

reg_asym_sam8_diff_bpm4eY_slope vs run
χ² / ndf 185.1 / 36
p0 43.03 ± 0.1798
50
48
46
44
42
40
38
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −44.26
Std Dev 0
6
4
2
0
−2
−4

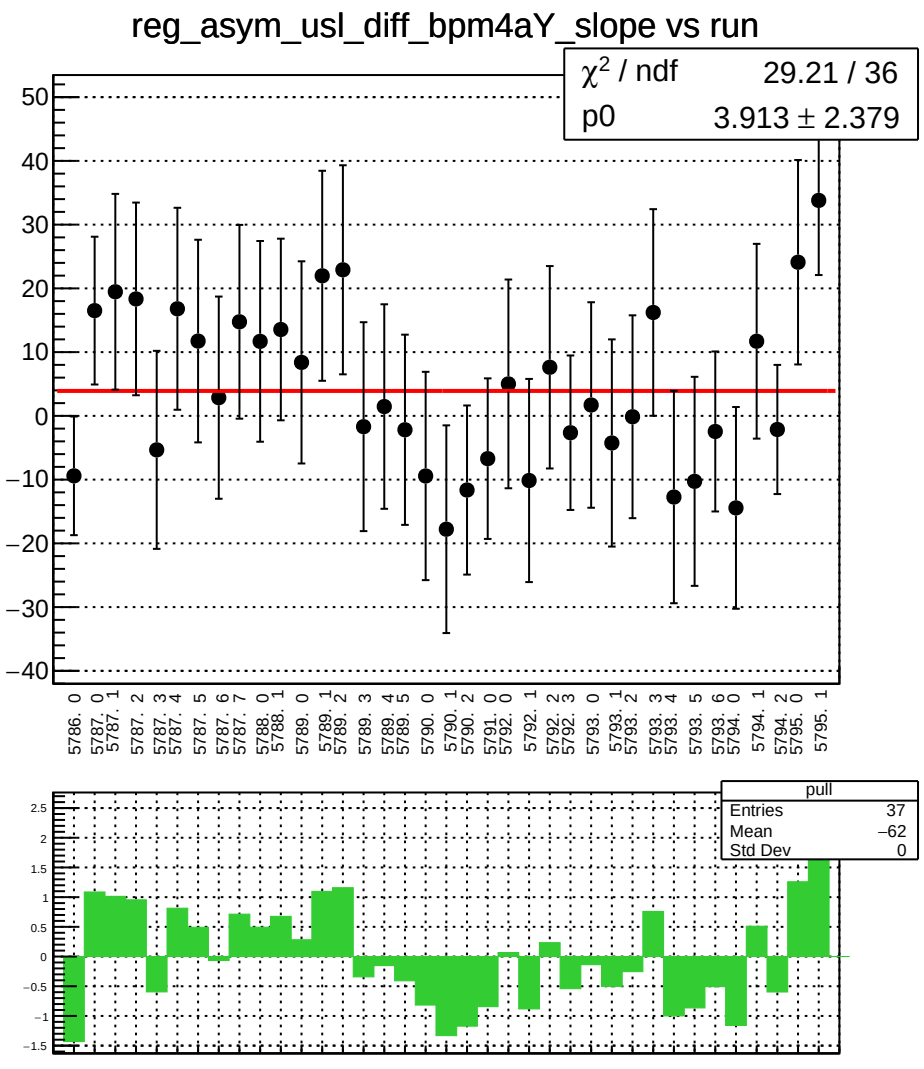

pull1D
Entries 37
Mean −0.1417
Std Dev 2.232
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

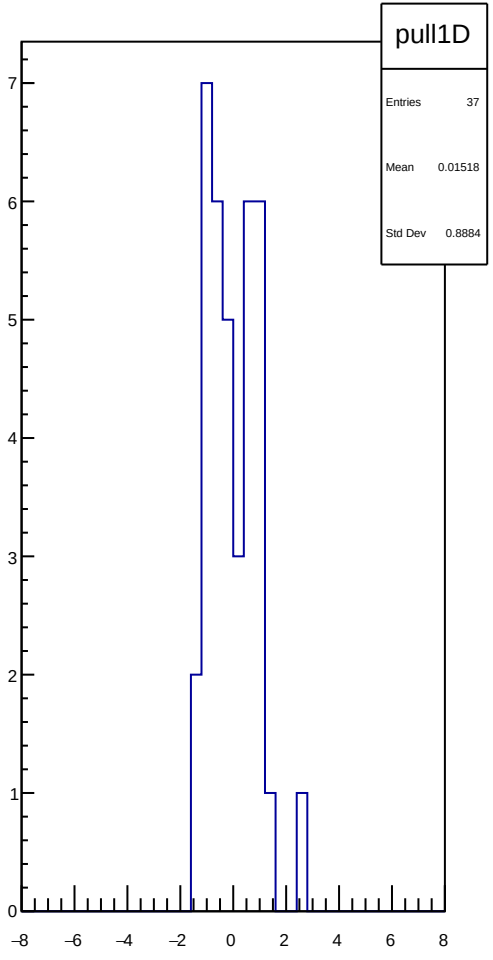

reg_asym_sam8_diff_bpm12X_slope vs run
χ² / ndf 215.4 / 36
p0 −0.03081 ± 0.01263
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −94.35
Std Dev 0
4
2
0
−2
−4

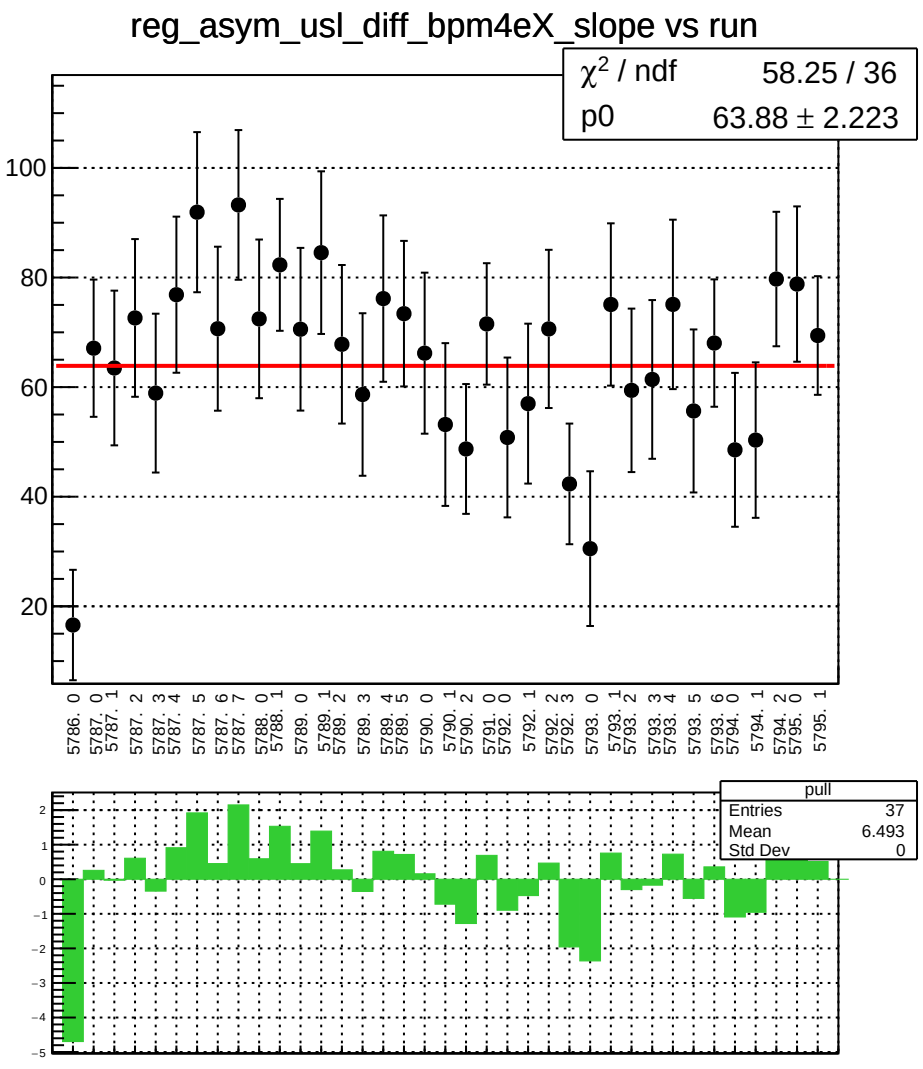

pull1D
Entries 37
Mean −0.1336
Std Dev 2.409
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

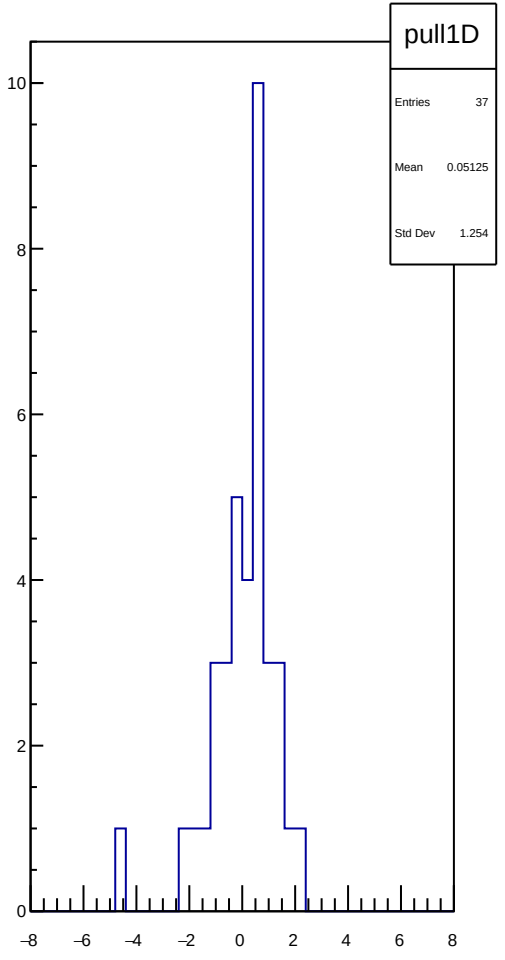

reg_asym_usl_diff_bpm1X_slope vs run
χ² / ndf 49.78 / 36
p0 −60.97 ± 1.55
pull
Entries 37
Mean 27.56
Std Dev 0

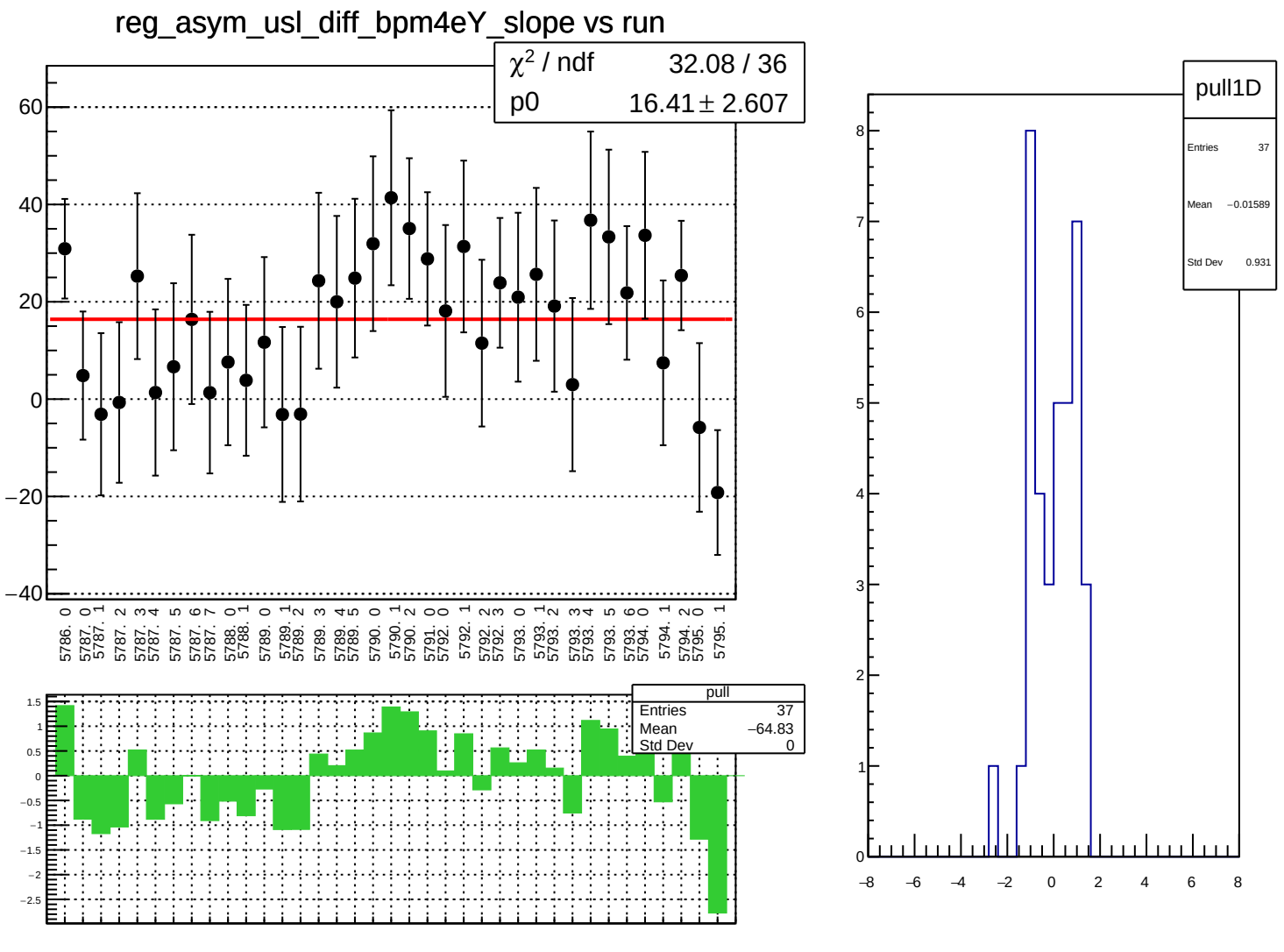

pull1D
Entries 37
Mean −0.05072
Std Dev 1.159

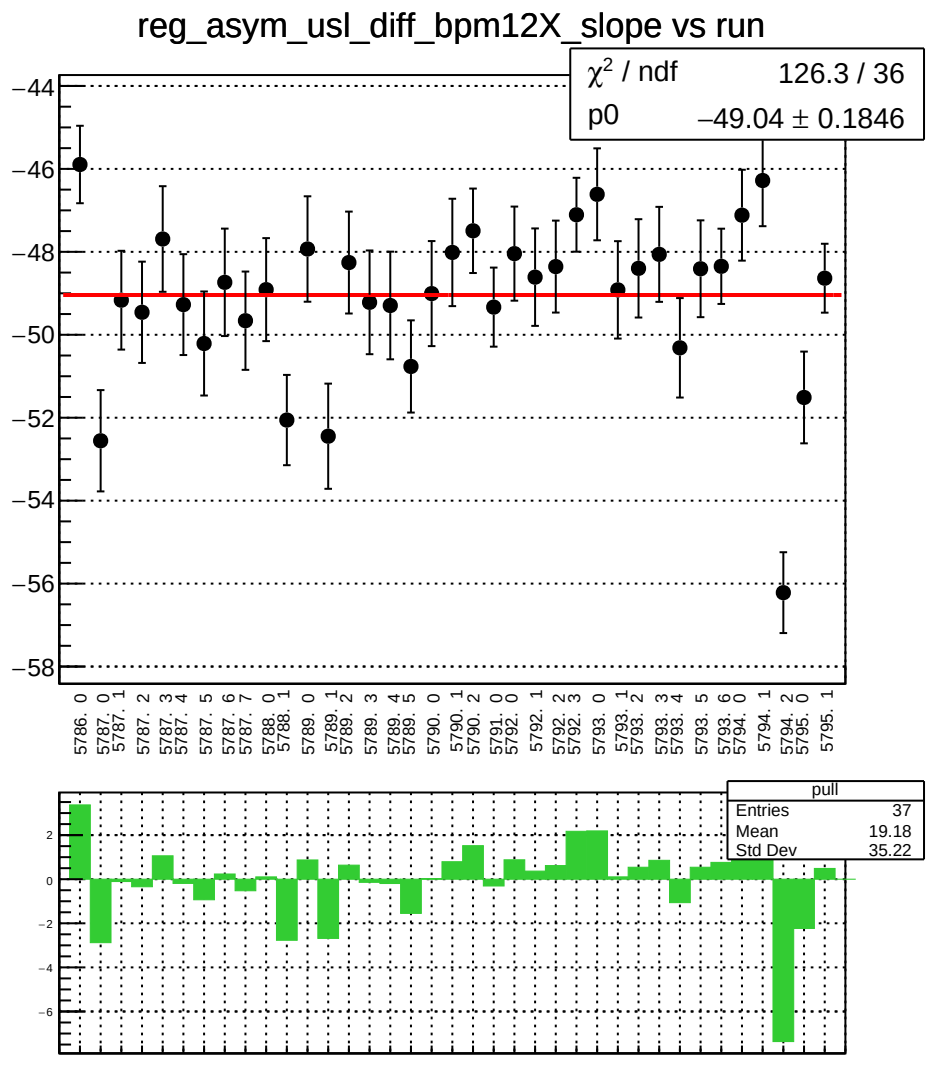

reg_asym_usl_diff_bpm4aY_slope vs run
χ² / ndf 29.21 / 36
p0 3.913 ± 2.379
pull
Entries 37
Mean −62
Std Dev 0

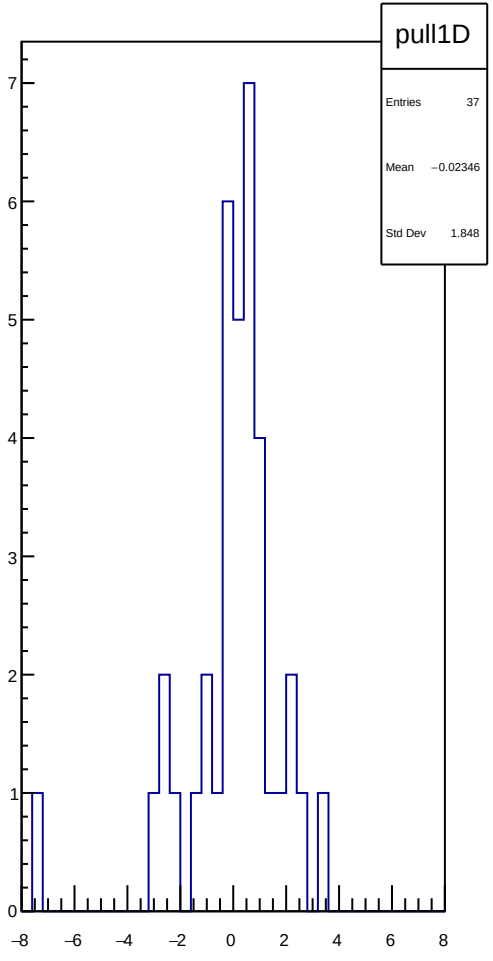

pull1D
Entries 37
Mean 0.01518
Std Dev 0.8884

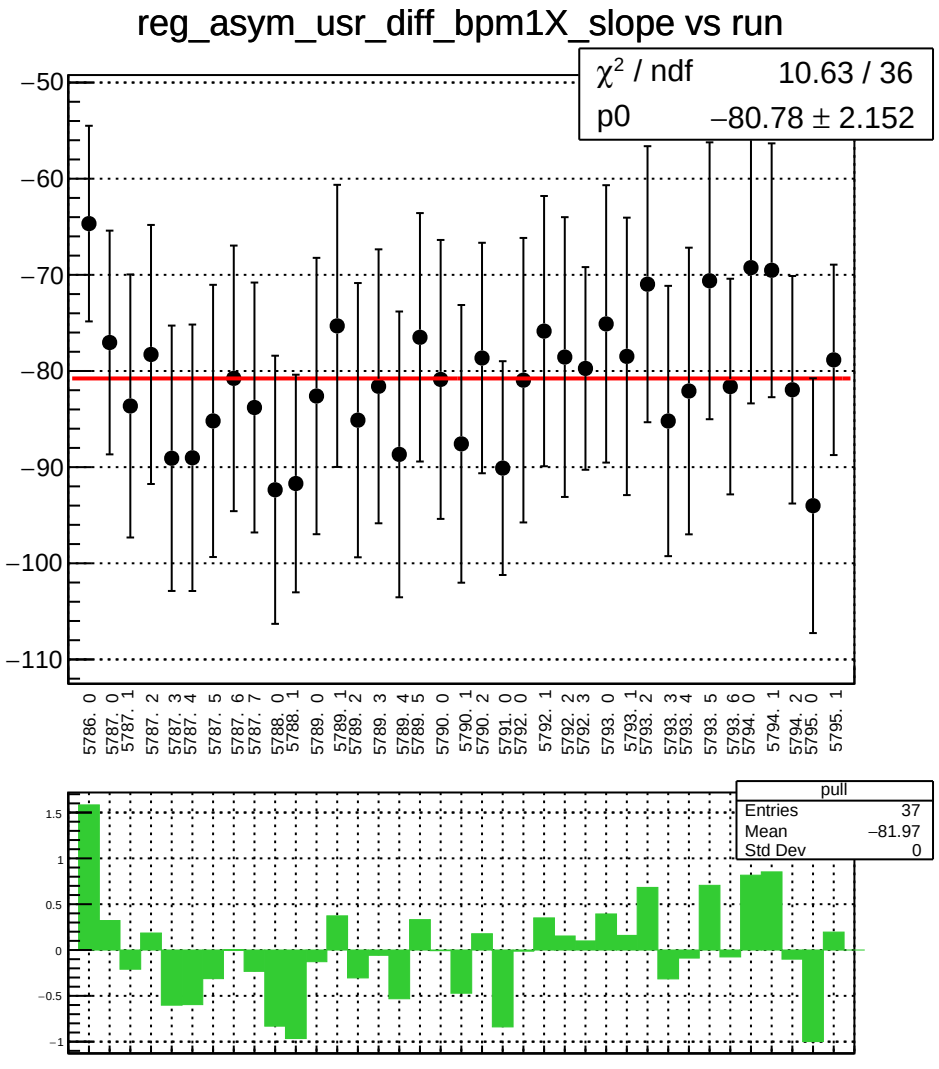

reg_asym_usl_diff_bpm4eX_slope vs run
χ² / ndf 58.25 / 36
p0 63.88 ± 2.223
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 6.493
Std Dev 0
2
1
0
−1
−2
−3
−4
−5

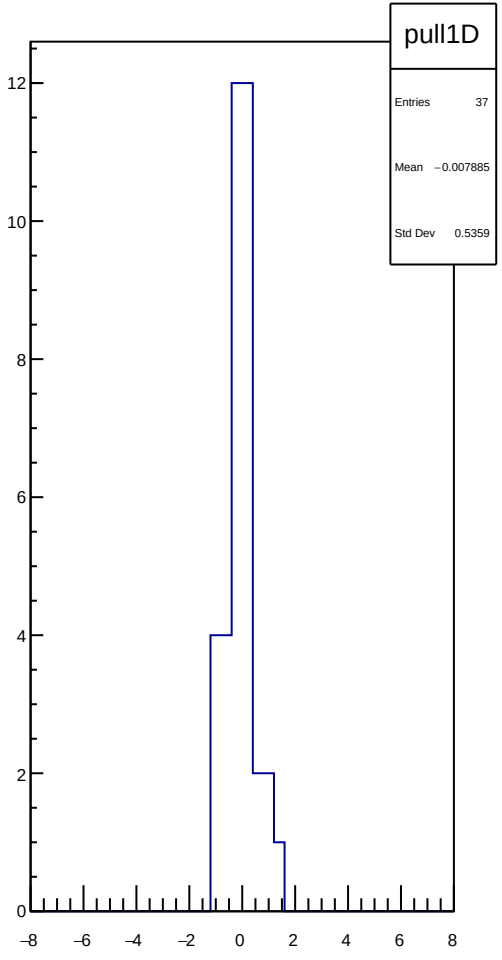

pull1D
Entries 37
Mean 0.05125
Std Dev 1.254
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

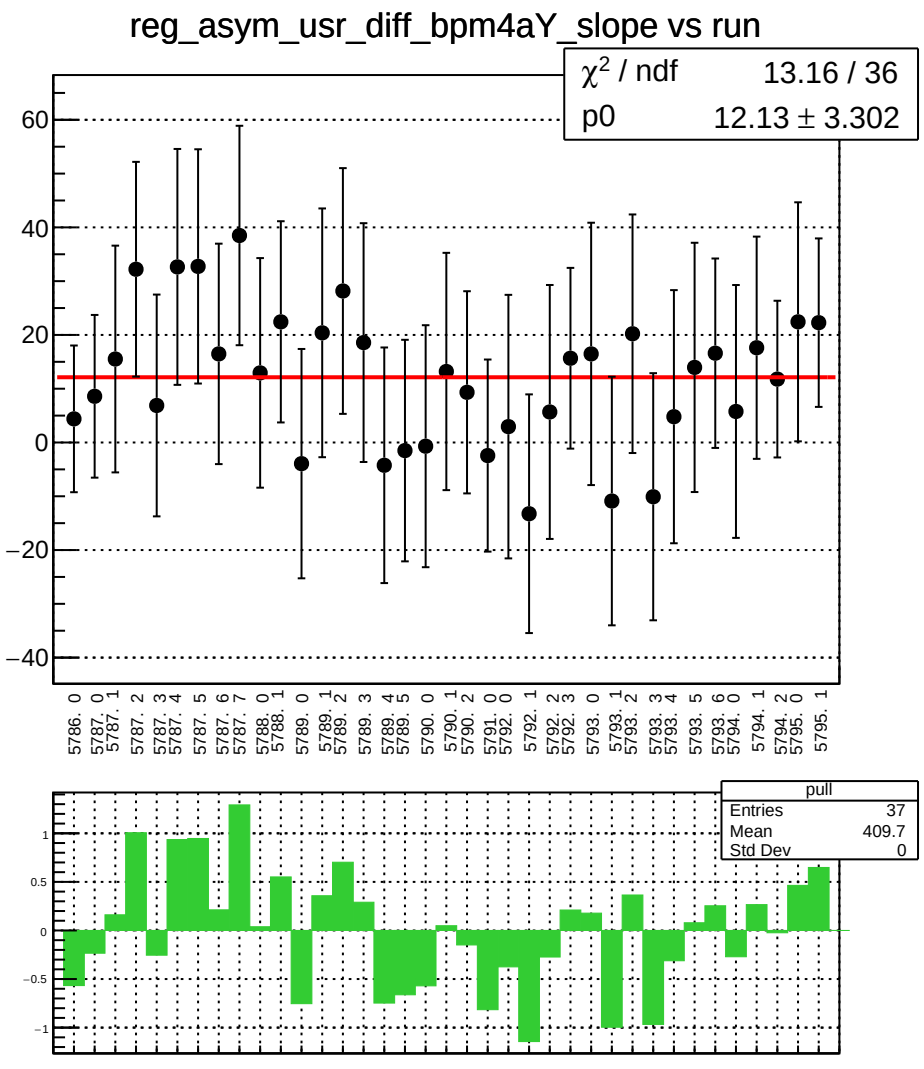

reg_asym_usl_diff_bpm4eY_slope vs run
χ² / ndf 32.08 / 36
p0 16.41 ± 2.607
pull
Entries 37
Mean −64.83
Std Dev 0
pull1D
Entries 37
Mean −0.01589
Std Dev 0.931

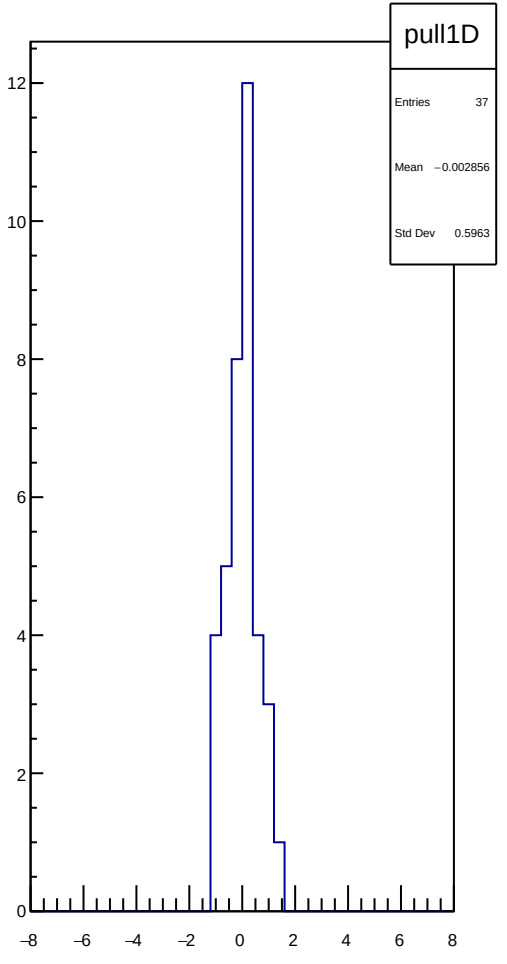

reg_asym_usl_diff_bpm12X_slope vs run
χ² / ndf 126.3 / 36
p0 −49.04 ± 0.1846
pull
Entries 37
Mean 19.18
Std Dev 35.22

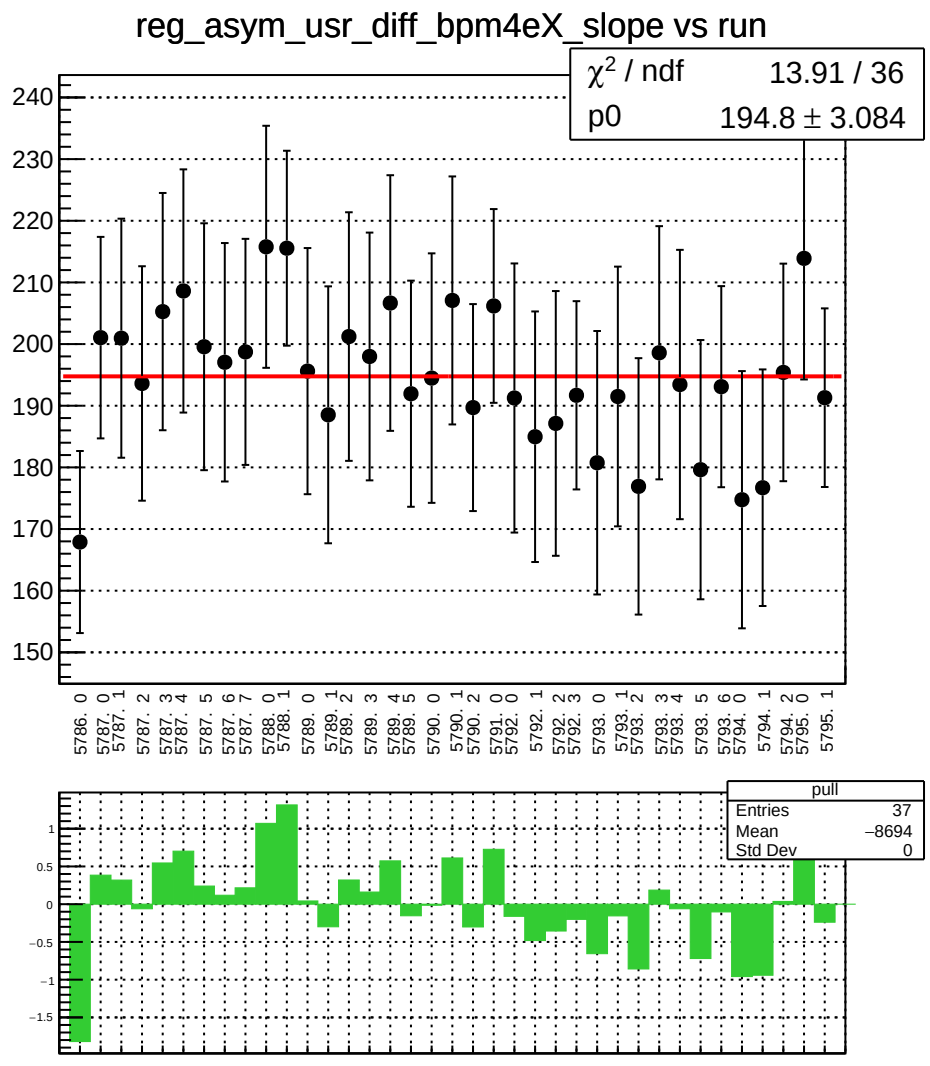

pull1D
Entries 37
Mean −0.02346
Std Dev 1.848

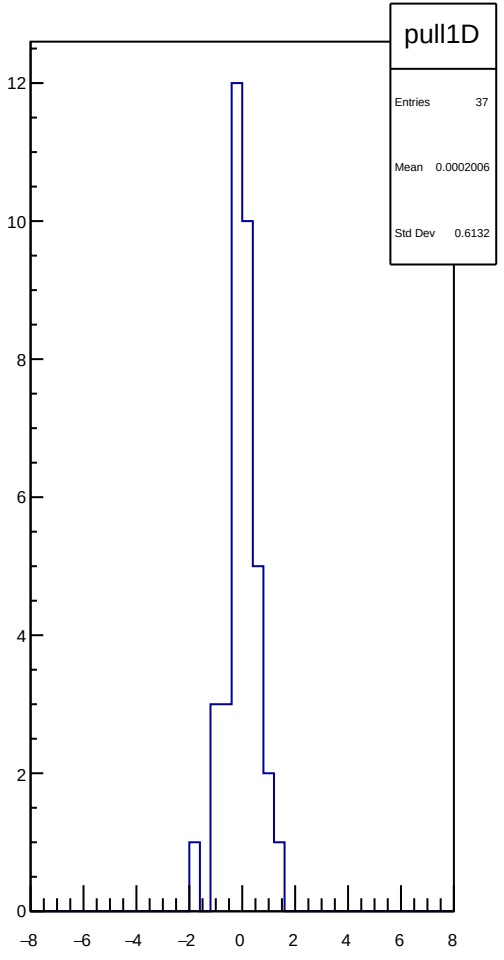

reg_asym_usr_diff_bpm1X_slope vs run
χ² / ndf 10.63 / 36
p0 −80.78 ± 2.152
−50
−60
−70
−80
−90
−100
−110
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −81.97
Std Dev 0
1.5
1
0.5
0
−0.5
−1

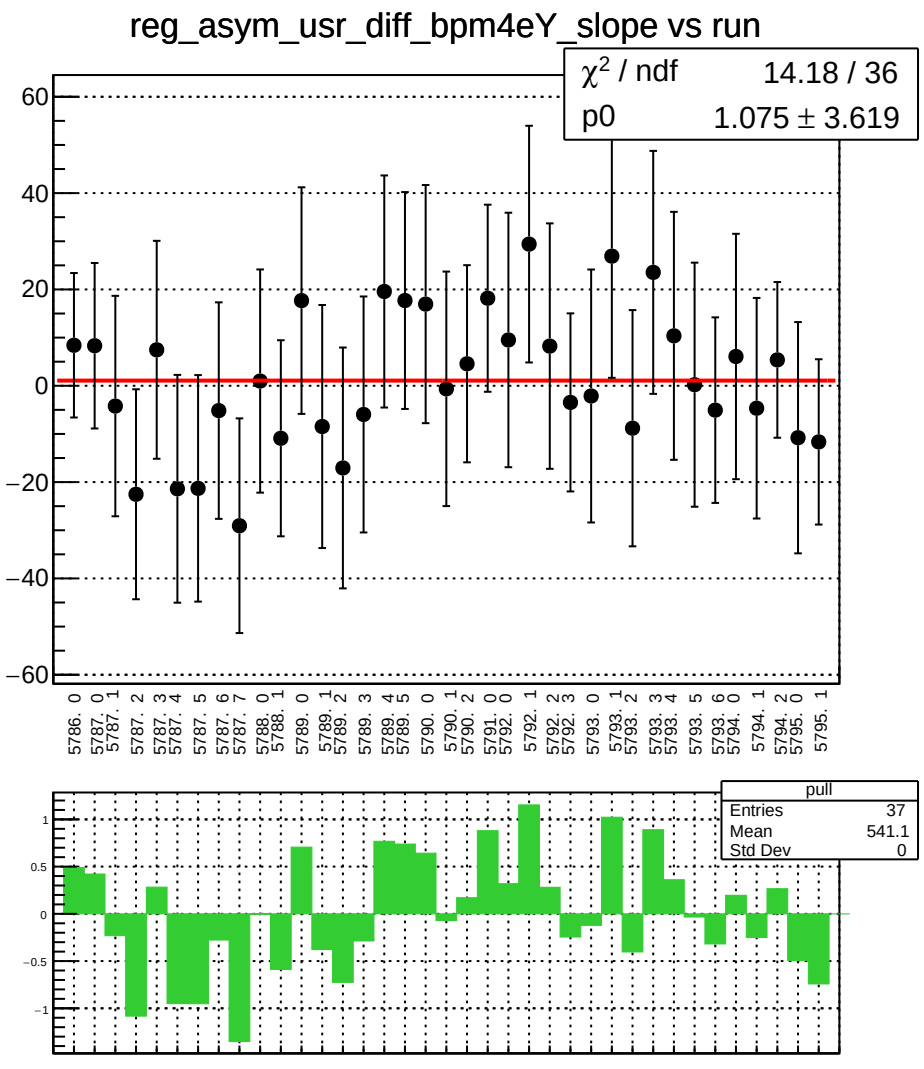

pull1D
Entries 37
Mean −0.007885
Std Dev 0.5359
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

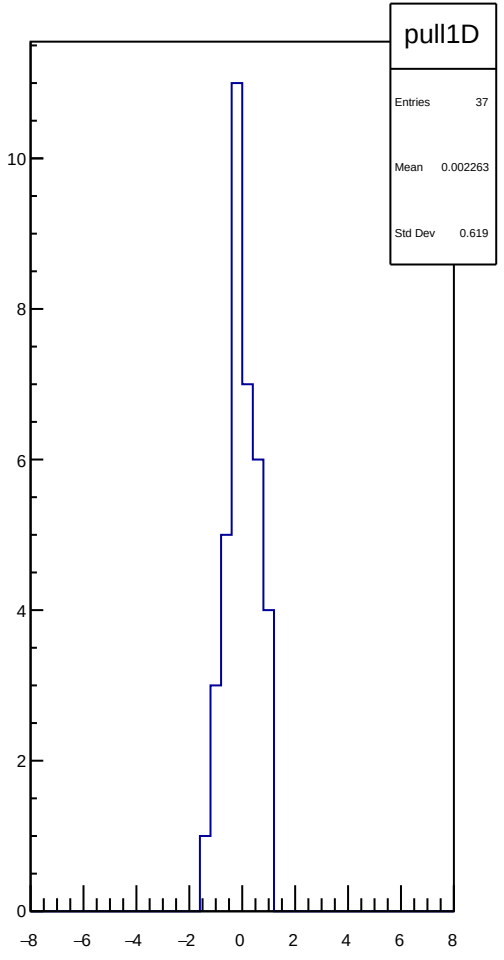

reg_asym_usr_diff_bpm4aY_slope vs run
χ² / ndf 13.16 / 36
p0 12.13 ± 3.302
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 409.7
Std Dev 0
1
0.5
0
−0.5
−1

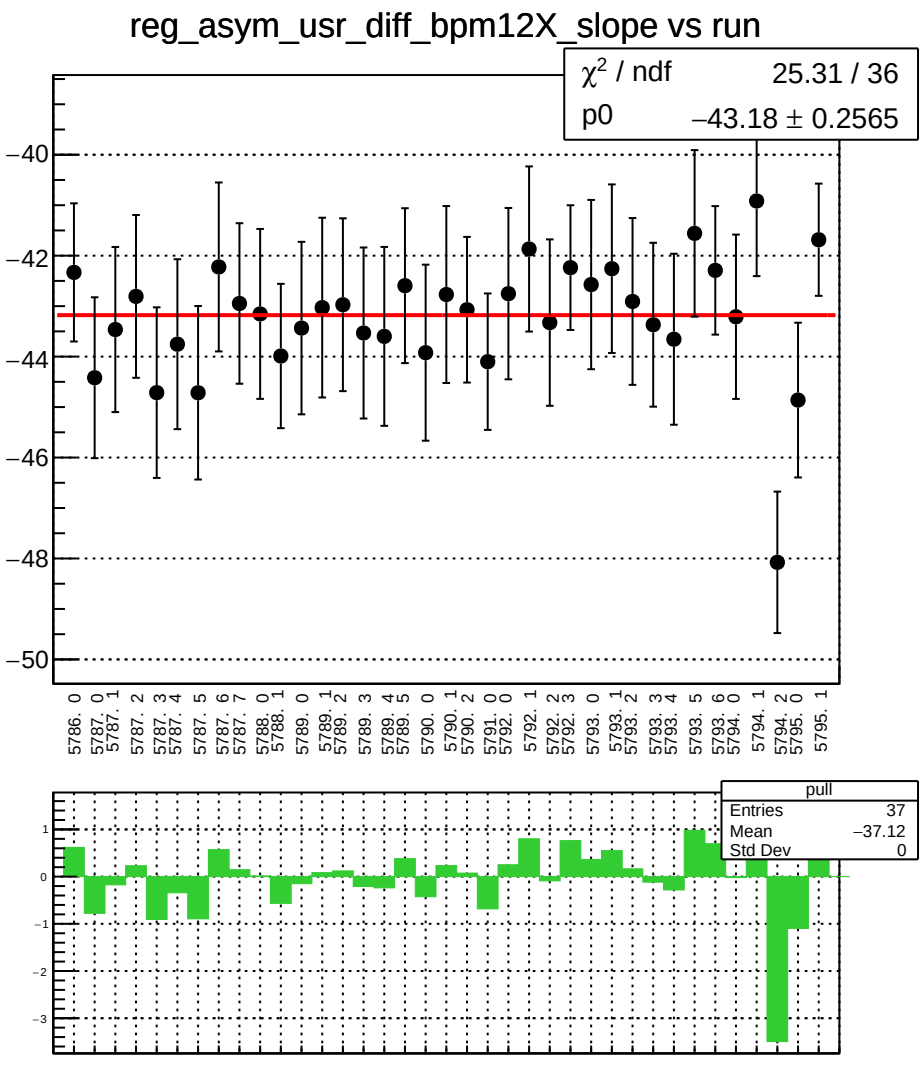

pull1D
Entries 37
Mean −0.002856
Std Dev 0.5963
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

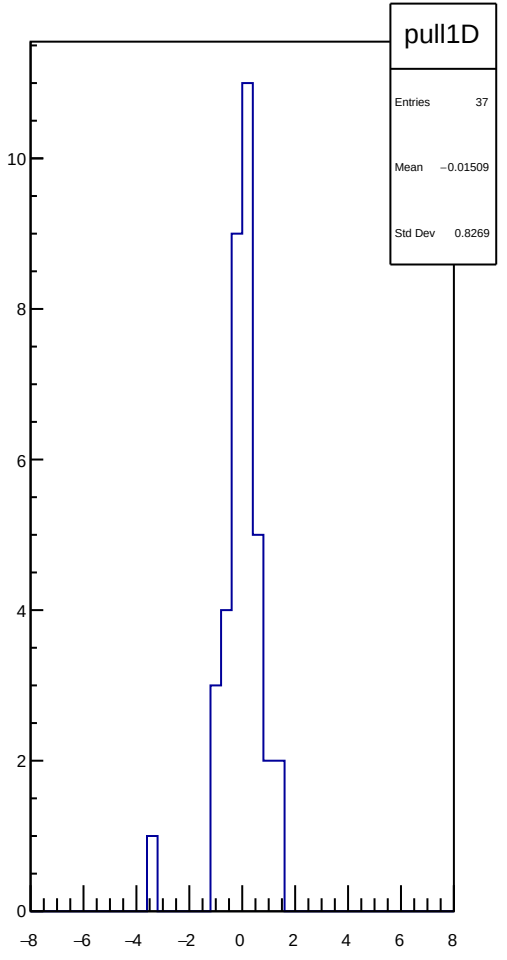

reg_asym_usr_diff_bpm4eX_slope vs run
χ² / ndf 13.91 / 36
p0 194.8 ± 3.084
240
230
220
210
200
190
180
170
160
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8694
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

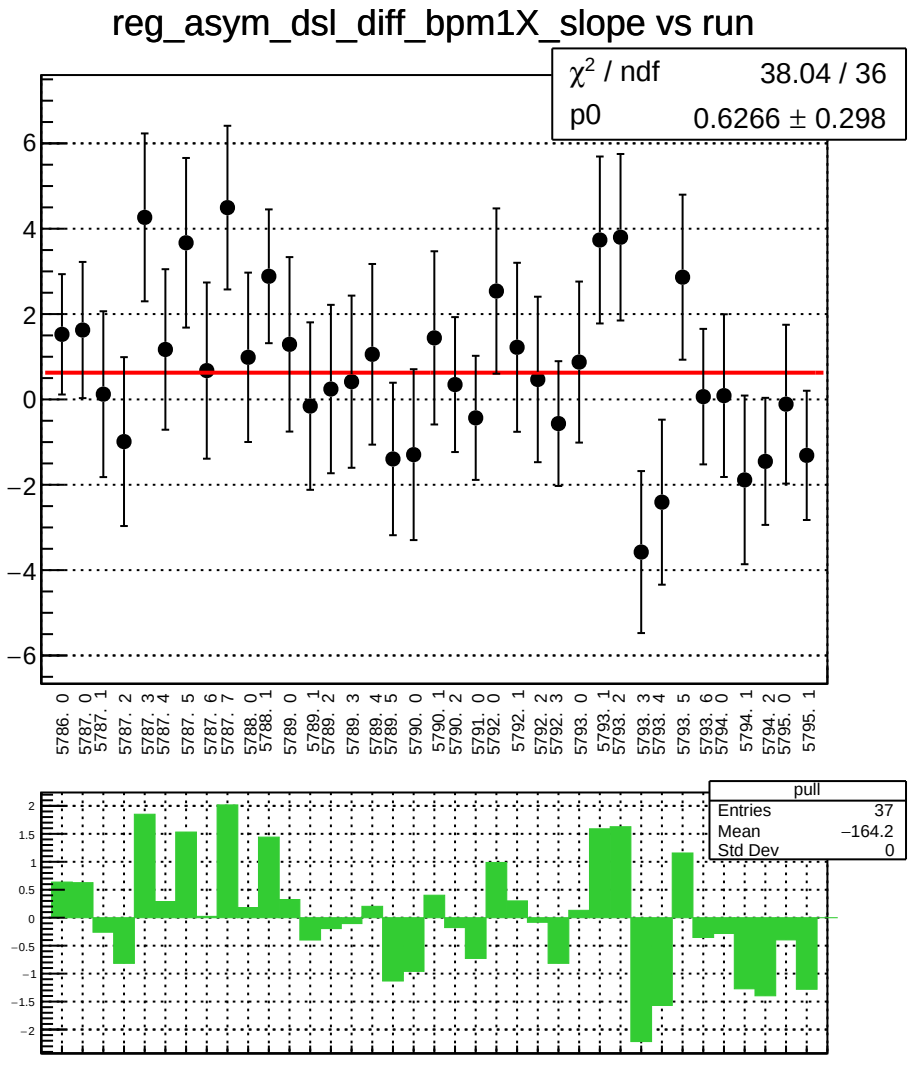

pull1D
Entries 37
Mean 0.0002006
Std Dev 0.6132
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

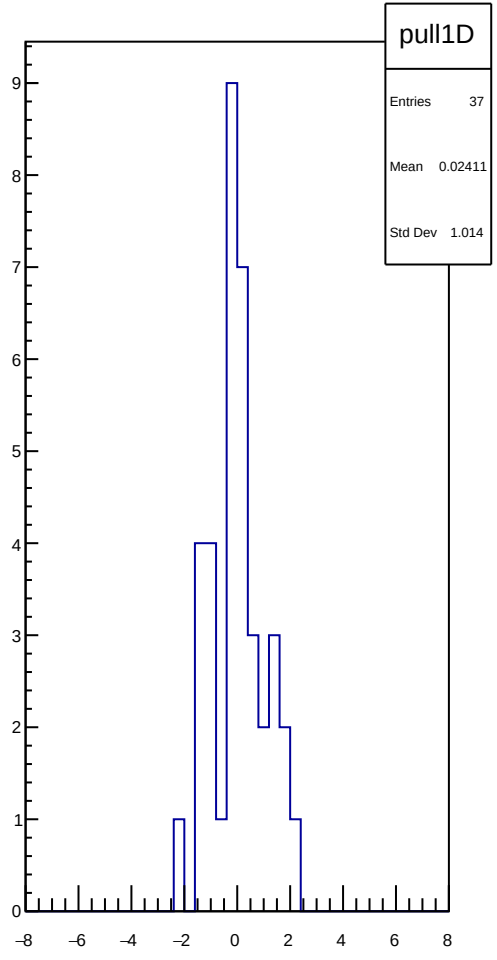

reg_asym_usr_diff_bpm4eY_slope vs run
χ² / ndf 14.18 / 36
p0 1.075 ± 3.619
pull
Entries 37
Mean 541.1
Std Dev 0

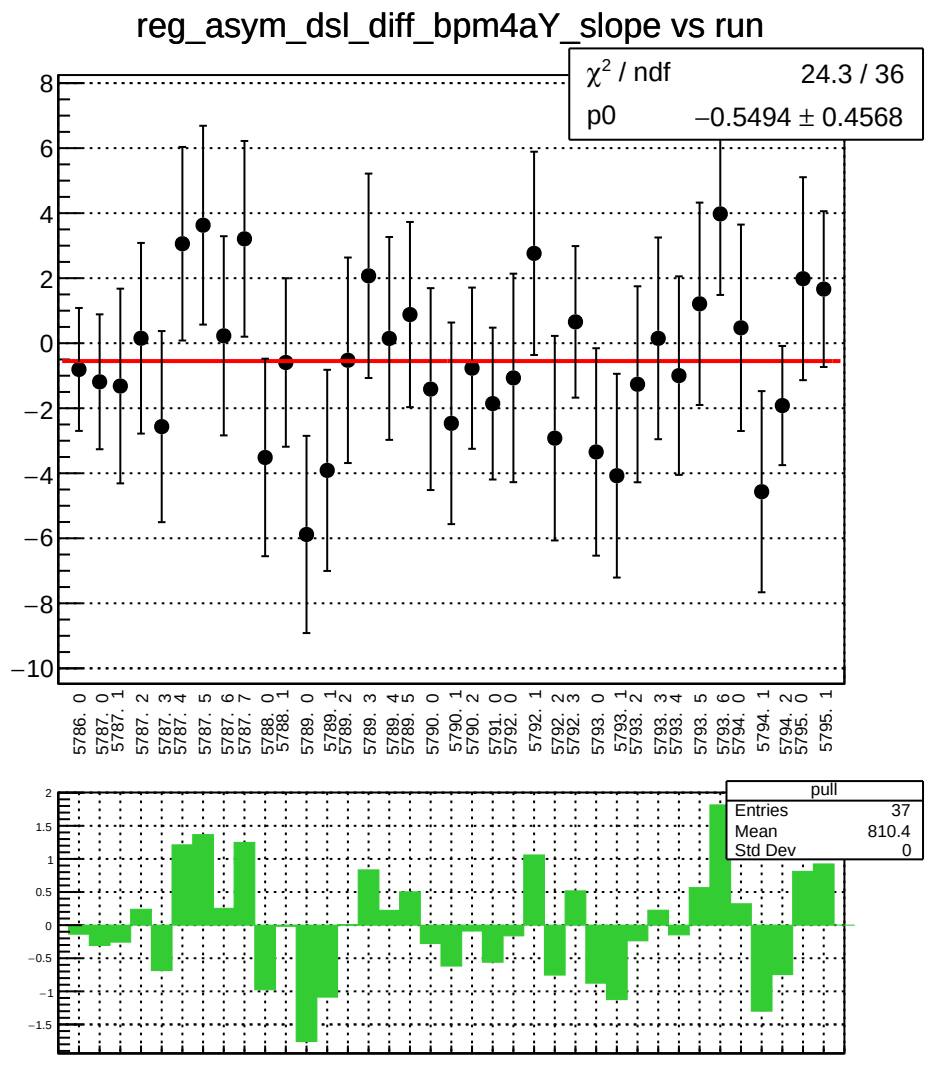

pull1D
Entries 37
Mean 0.002263
Std Dev 0.619

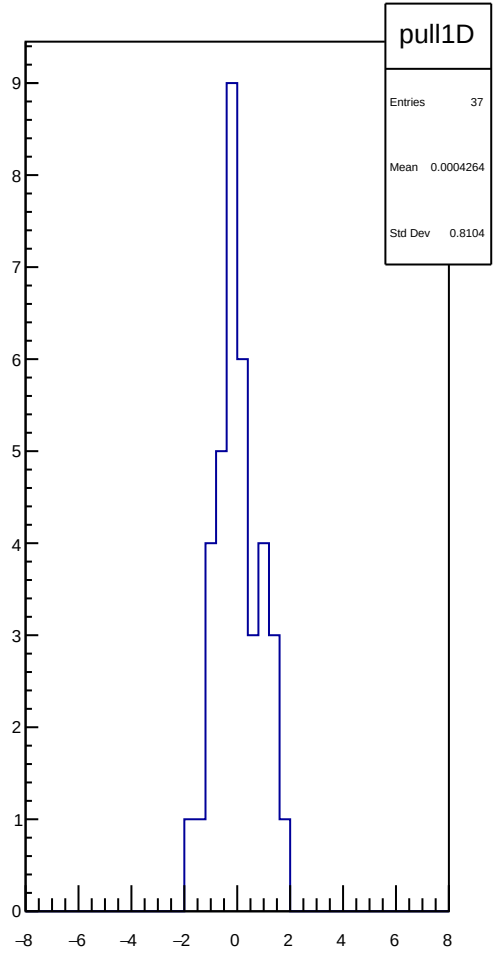

reg_asym_usr_diff_bpm12X_slope vs run
χ² / ndf 25.31 / 36
p0 −43.18 ± 0.2565
−40
−42
−44
−46
−48
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −37.12
Std Dev 0
1
0
−1
−2
−3

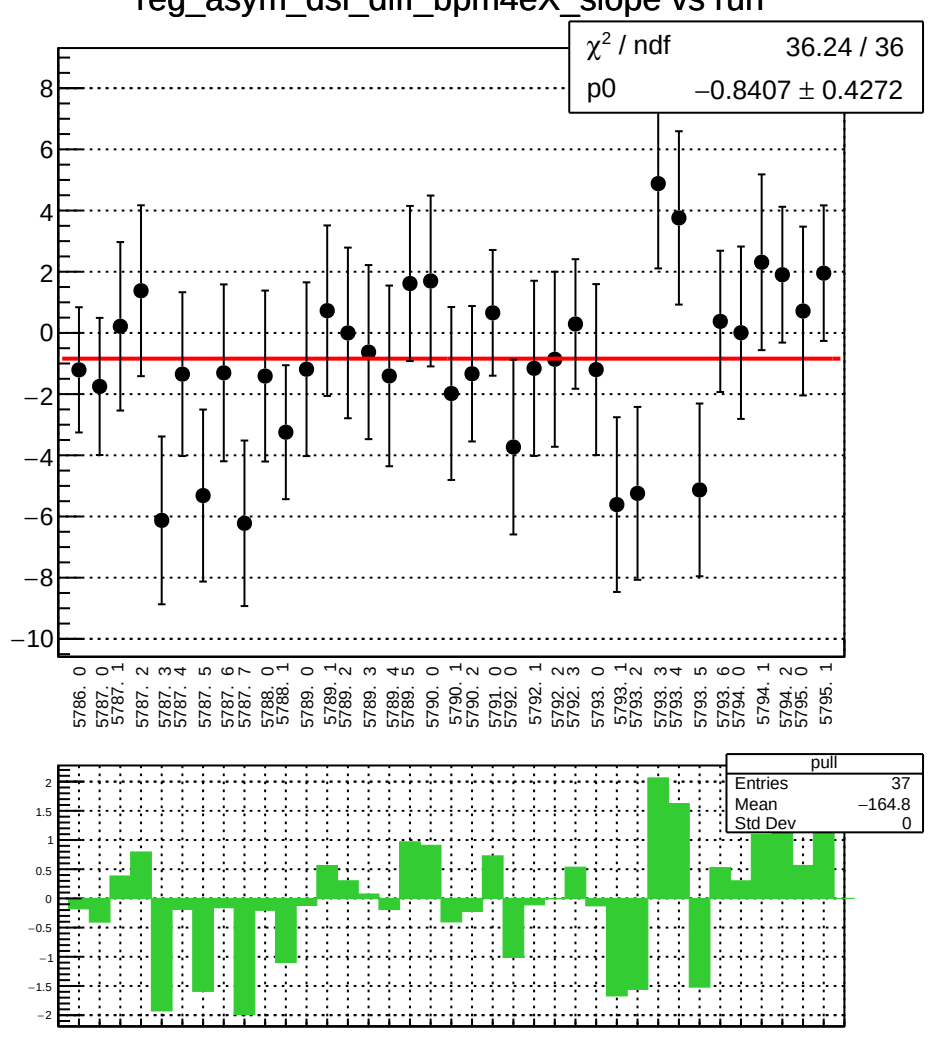

pull1D
Entries 37
Mean −0.01509
Std Dev 0.8269
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

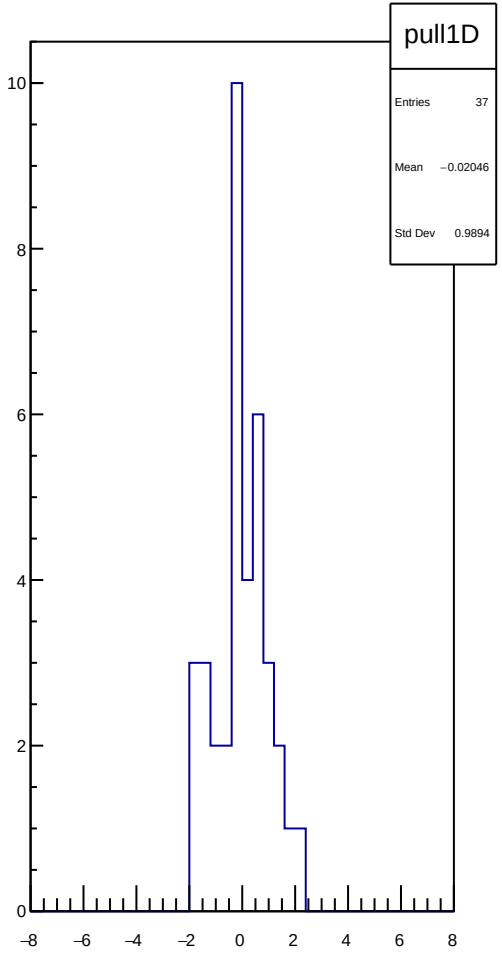

reg_asym_dsl_diff_bpm1X_slope vs run
χ² / ndf 38.04 / 36
p0 0.6266 ± 0.298
pull
Entries 37
Mean −164.2
Std Dev 0

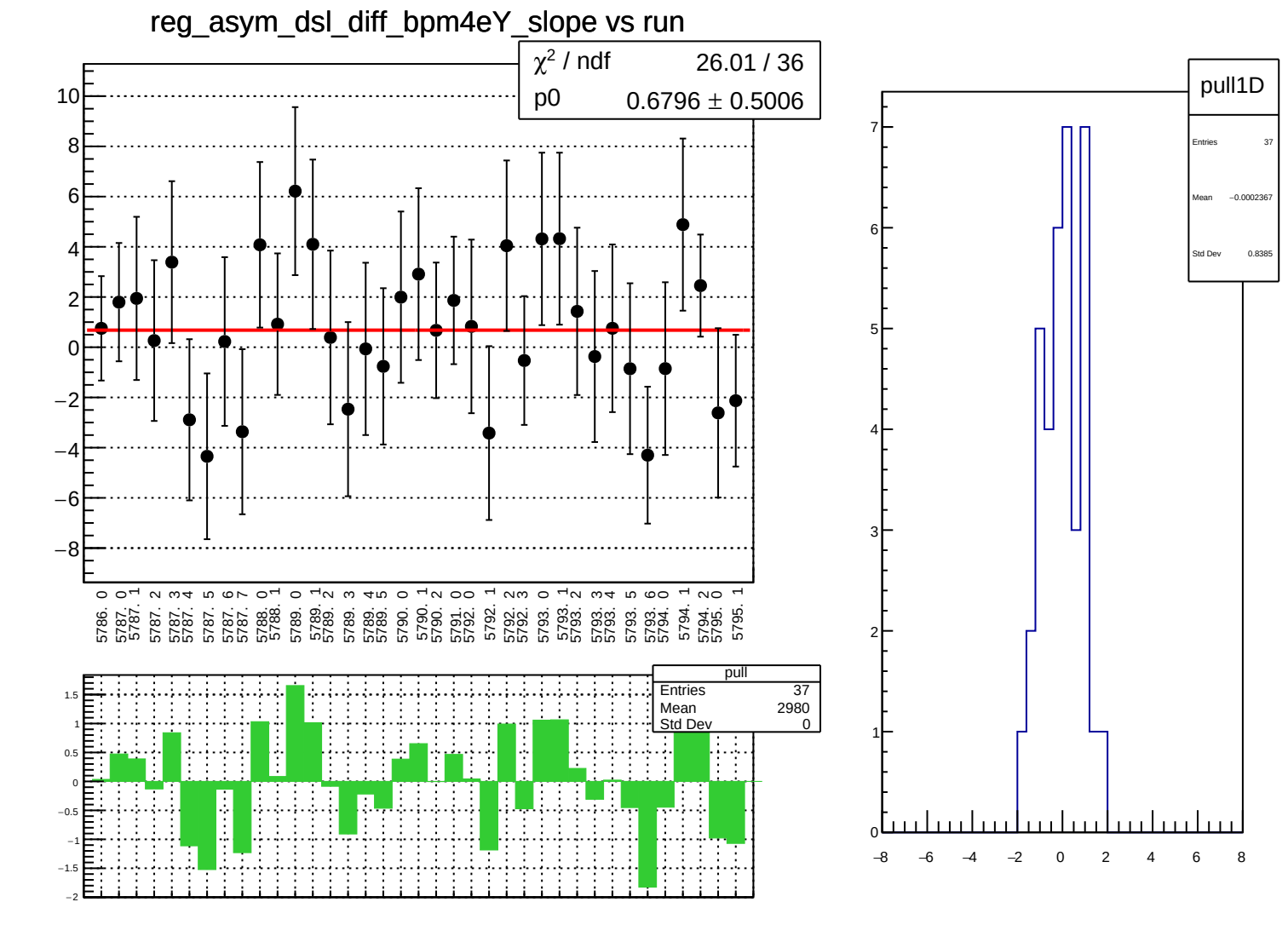

pull1D
Entries 37
Mean 0.02411
Std Dev 1.014

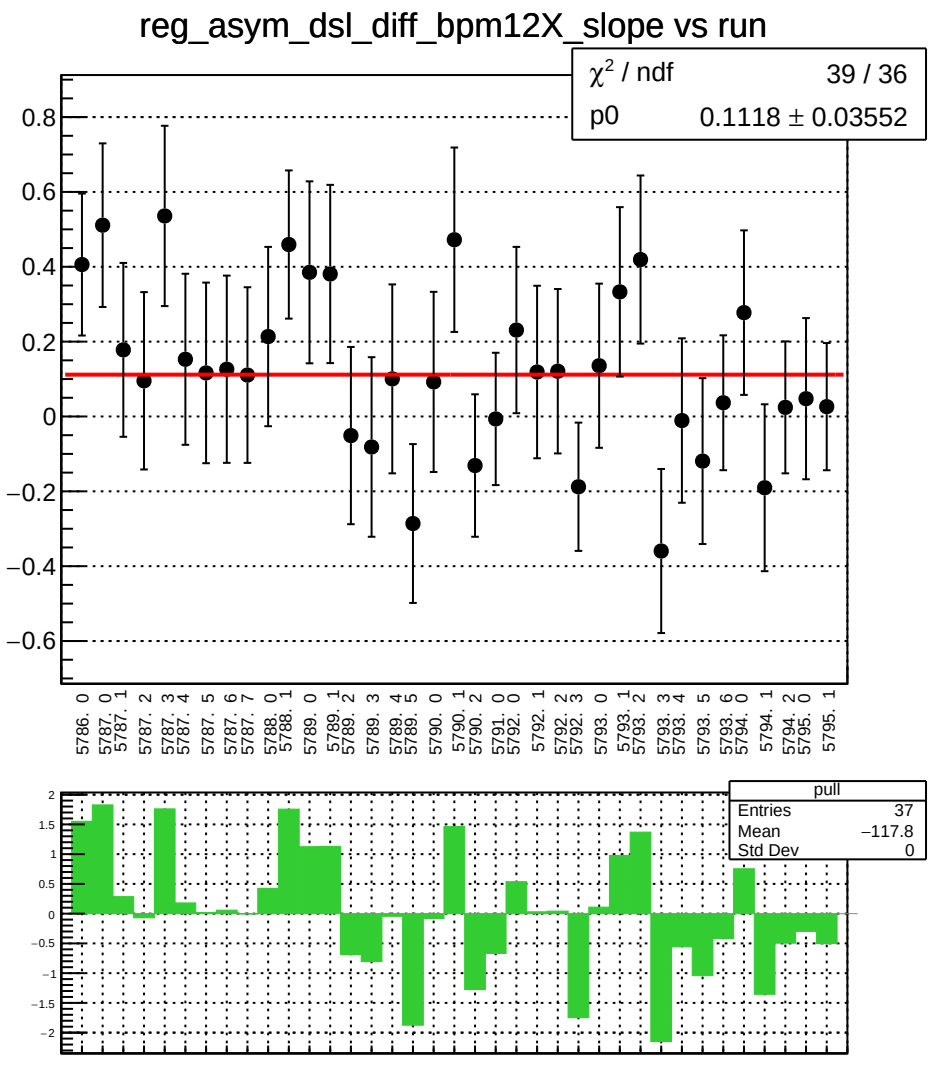

reg_asym_dsl_diff_bpm4aY_slope vs run
χ² / ndf 24.3 / 36
p0 −0.5494 ± 0.4568
pull
Entries 37
Mean 810.4
Std Dev 0

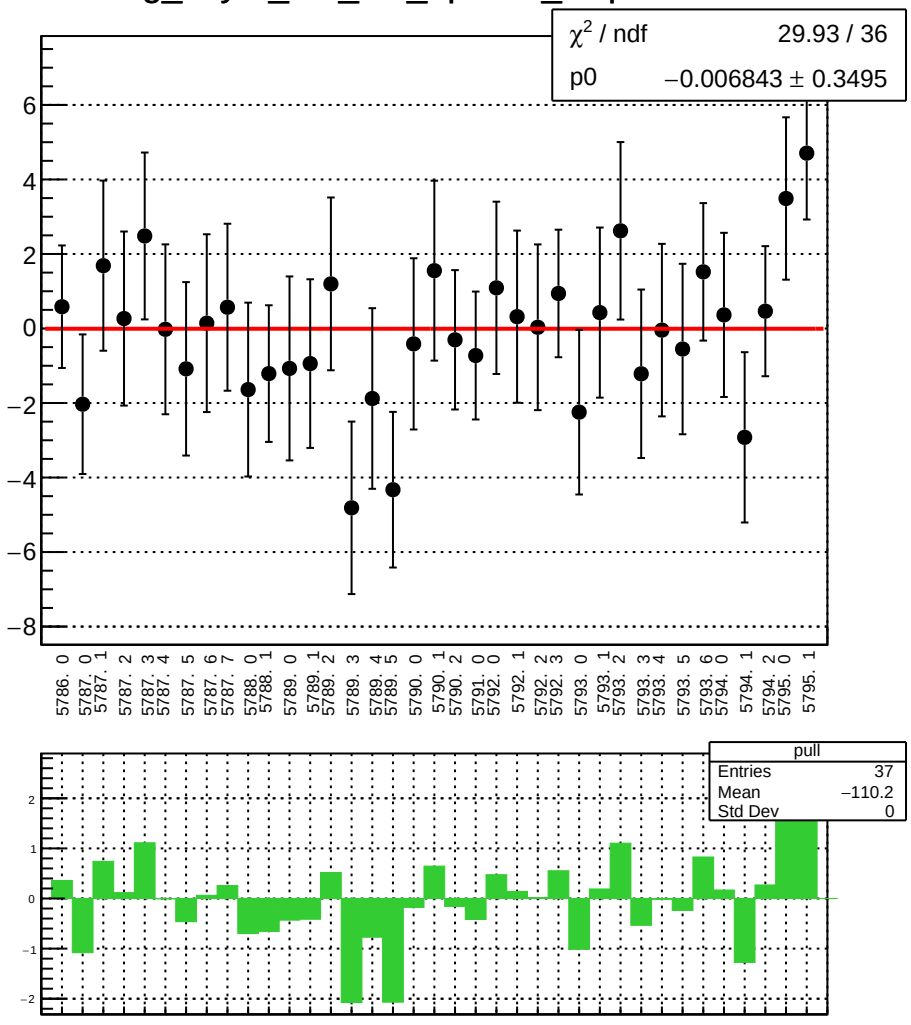

pull1D
Entries 37
Mean 0.0004264
Std Dev 0.8104

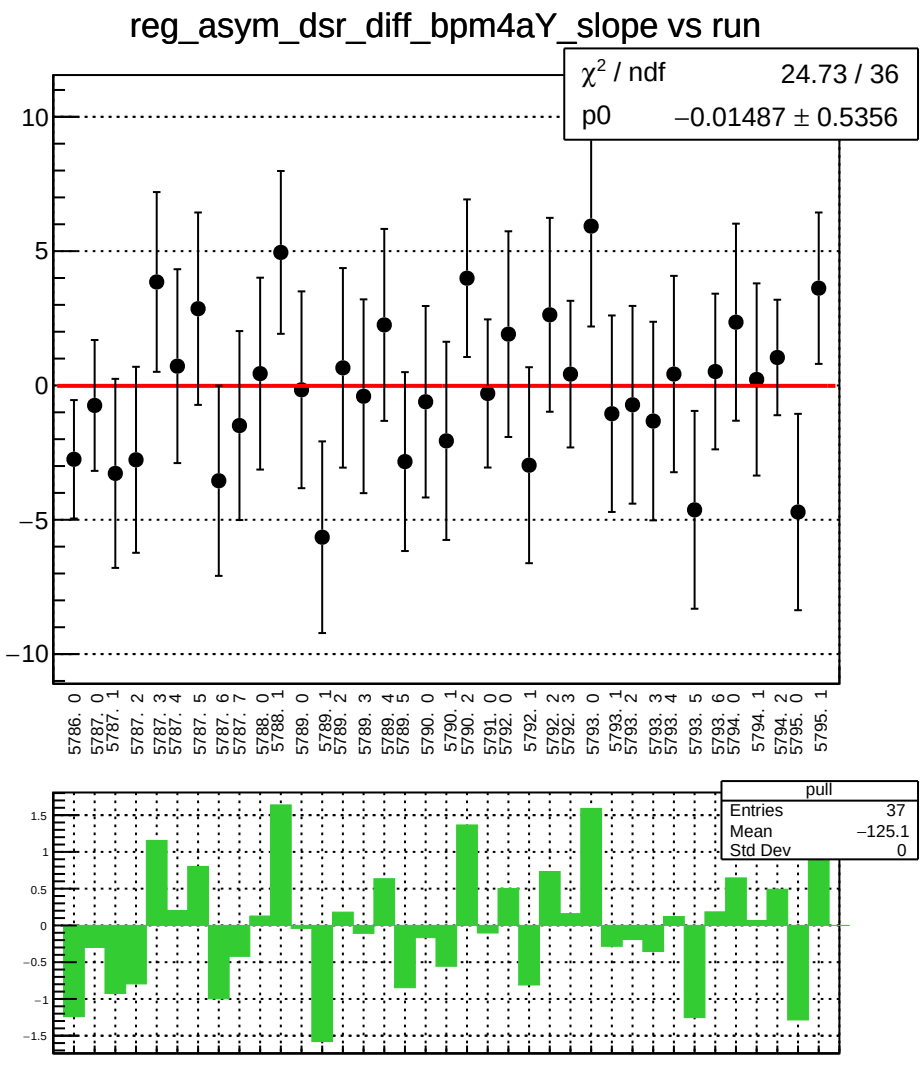

reg_asym_dsl_diff_bpm4eX_slope vs run
χ² / ndf 36.24 / 36
p0 −0.8407 ± 0.4272
pull
Entries 37
Mean −164.8
Std Dev 0

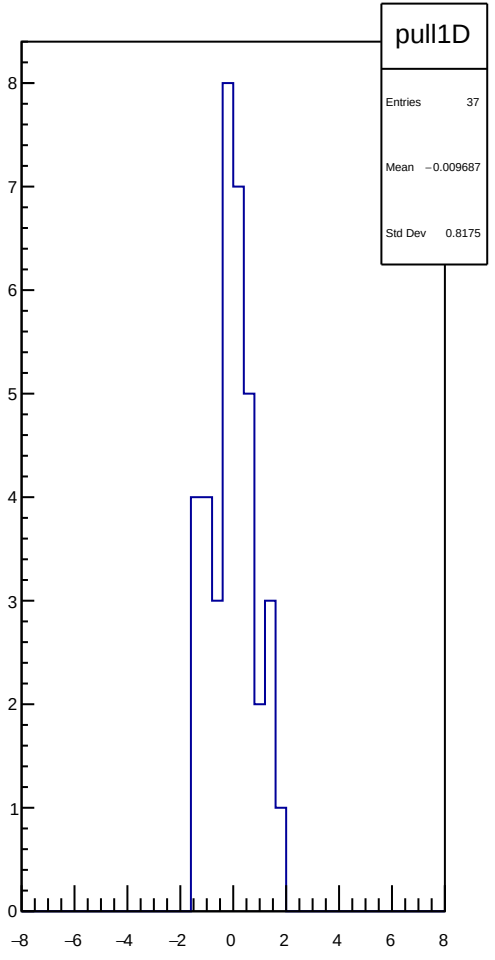

pull1D
Entries 37
Mean −0.02046
Std Dev 0.9894

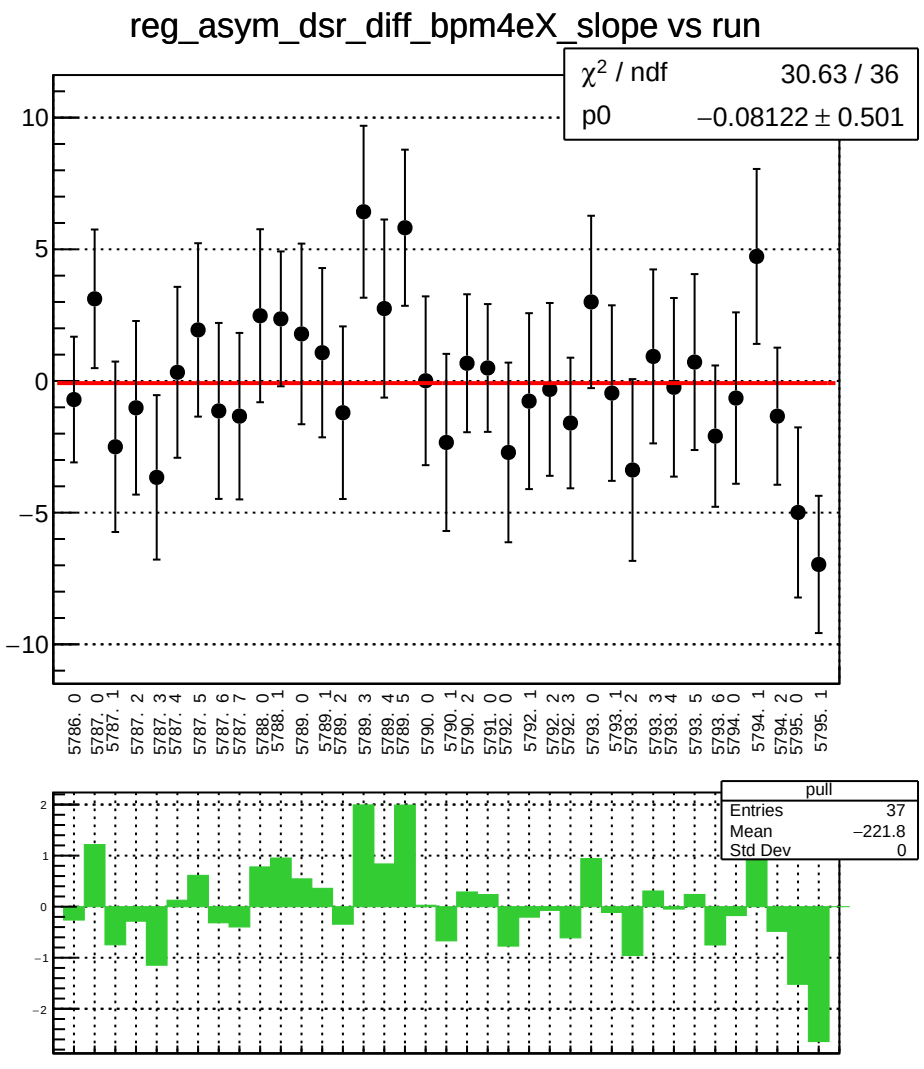

reg_asym_dsl_diff_bpm4eY_slope vs run
χ² / ndf 26.01 / 36
p0 0.6796 ± 0.5006
pull
Entries 37
Mean 2980
Std Dev 0
pull1D
Entries 37
Mean −0.0002367
Std Dev 0.8385

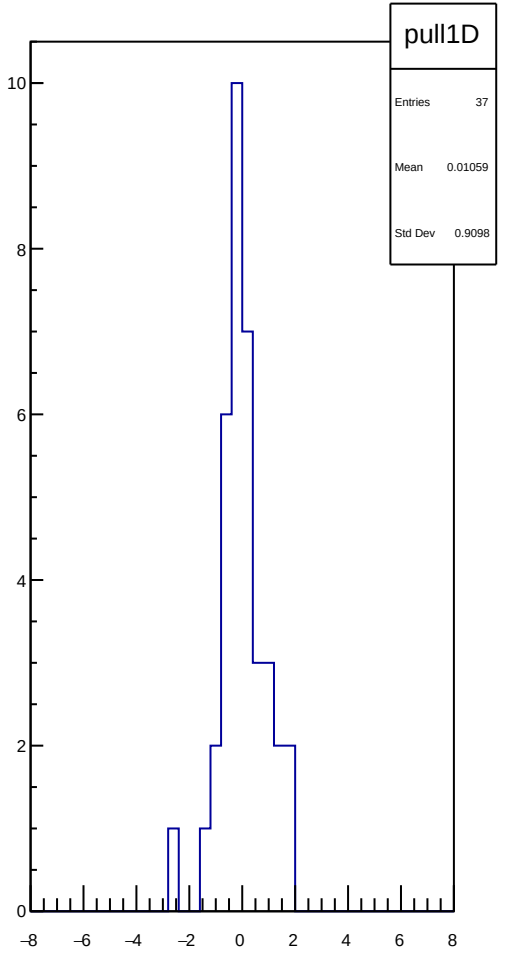

reg_asym_dsl_diff_bpm12X_slope vs run
χ² / ndf 39 / 36
p0 0.1118 ± 0.03552
pull
Entries 37
Mean −117.8
Std Dev 0
pull1D
Entries 37
Mean 0.03567
Std Dev 1.026

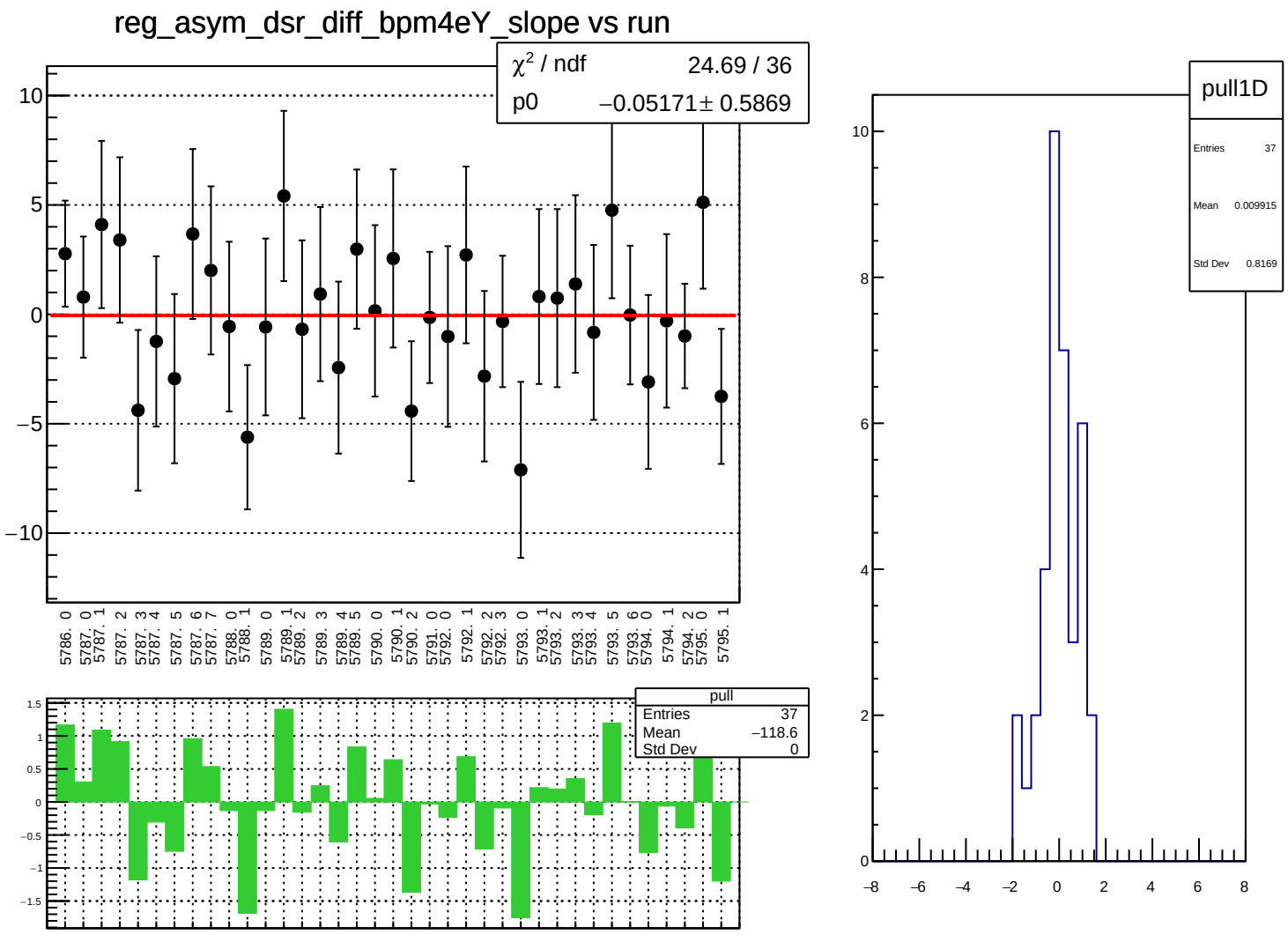

reg_asym_dsr_diff_bpm1X_slope vs run
χ² / ndf 29.93 / 36
p0 −0.006843 ± 0.3495
pull
Entries 37
Mean −110.2
Std Dev 0
pull1D
Entries 37
Mean −0.01849
Std Dev 0.8992

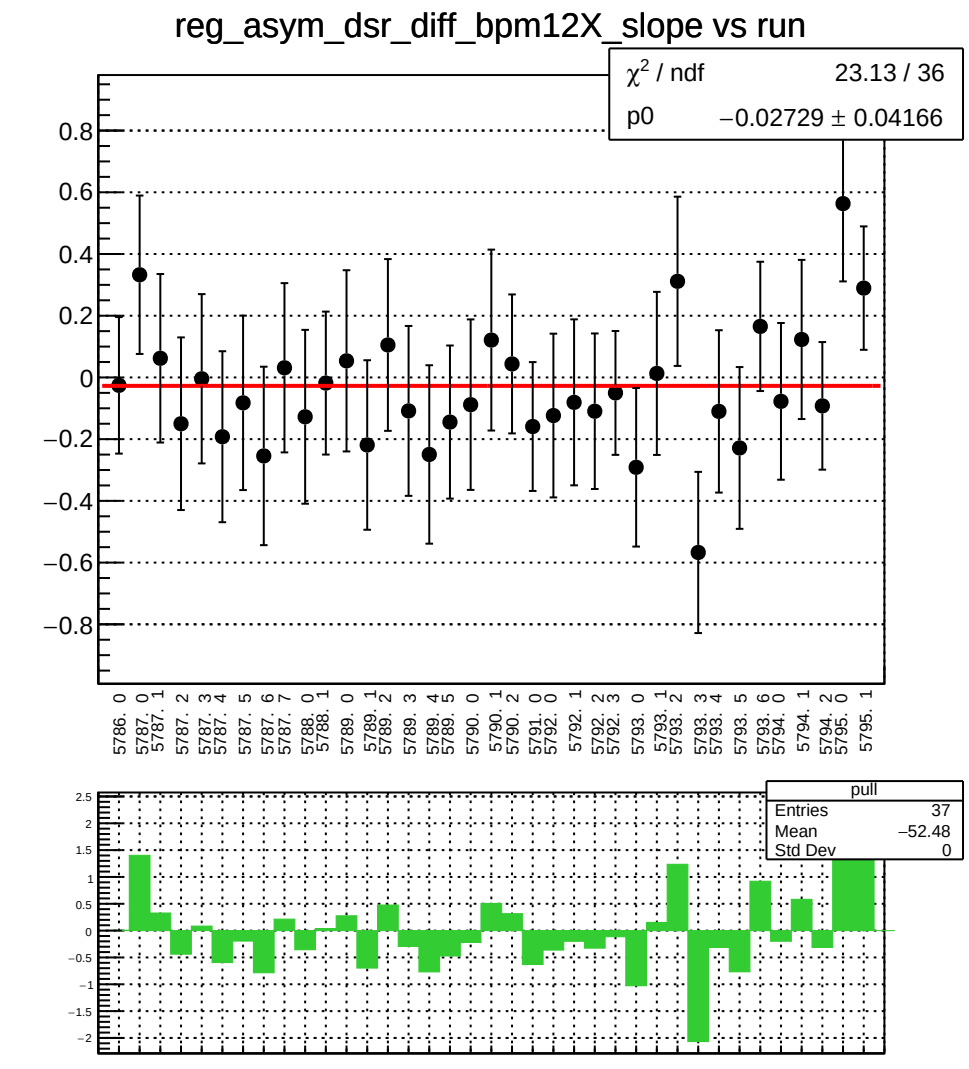

reg_asym_dsr_diff_bpm4aY_slope vs run
χ² / ndf 24.73 / 36
p0 −0.01487 ± 0.5356
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −125.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

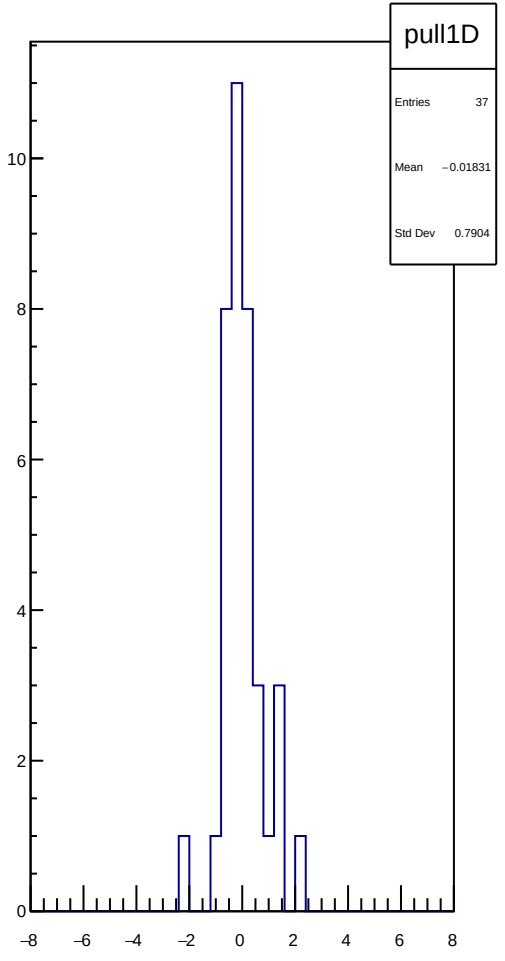

pull1D
Entries 37
Mean −0.009687
Std Dev 0.8175
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

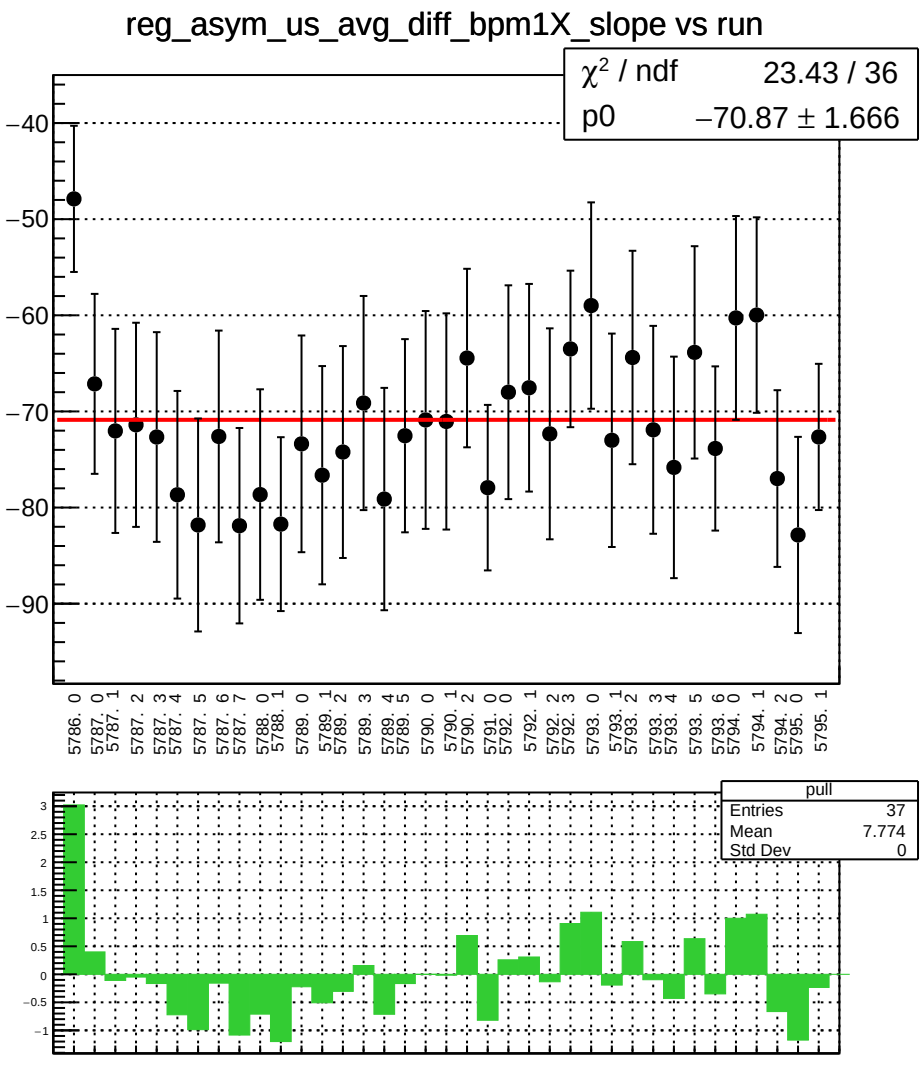

reg_asym_dsr_diff_bpm4eX_slope vs run
χ² / ndf 30.63 / 36
p0 −0.08122 ± 0.501
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −221.8
Std Dev 0
2
1
0
−1
−2

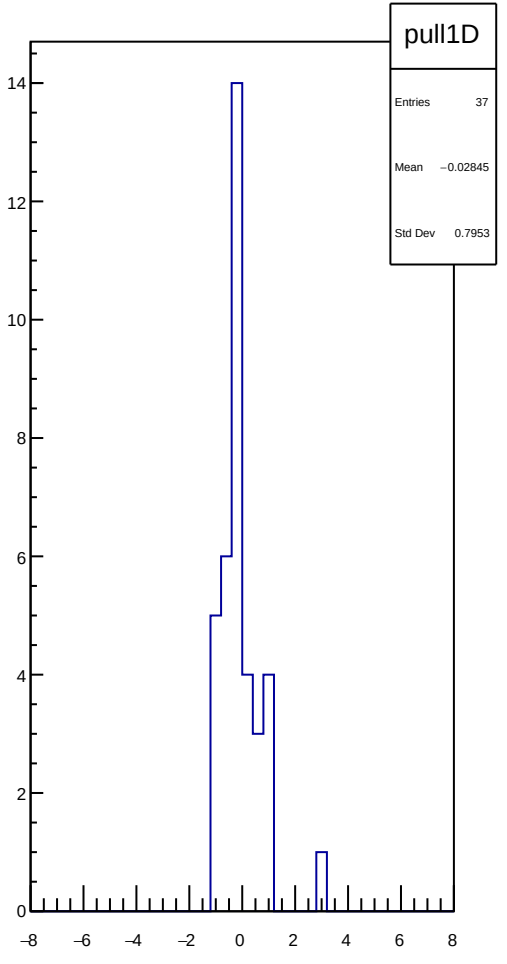

pull1D
Entries 37
Mean 0.01059
Std Dev 0.9098
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

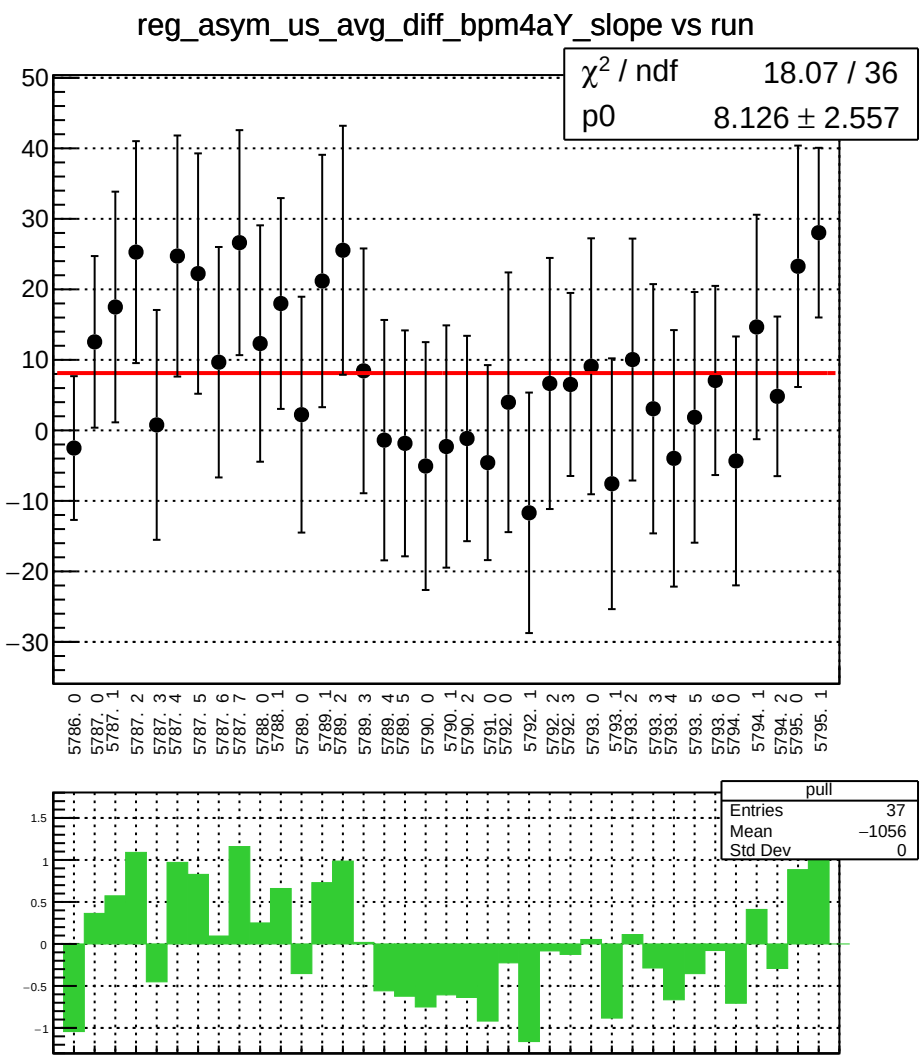

reg_asym_dsr_diff_bpm4eY_slope vs run
χ² / ndf 24.69 / 36
p0 −0.05171± 0.5869
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −118.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.009915
Std Dev 0.8169
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

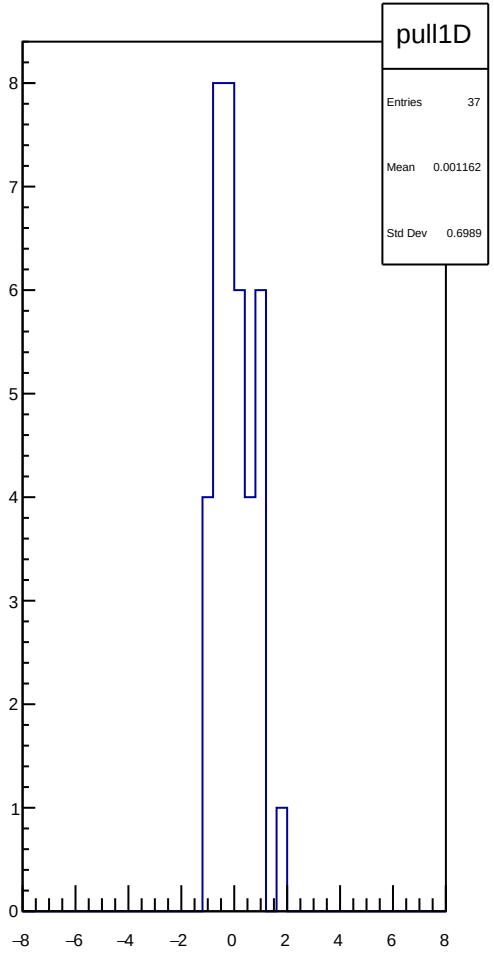

reg_asym_dsr_diff_bpm12X_slope vs run
χ² / ndf 23.13 / 36
p0 −0.02729 ± 0.04166
pull
Entries 37
Mean −52.48
Std Dev 0

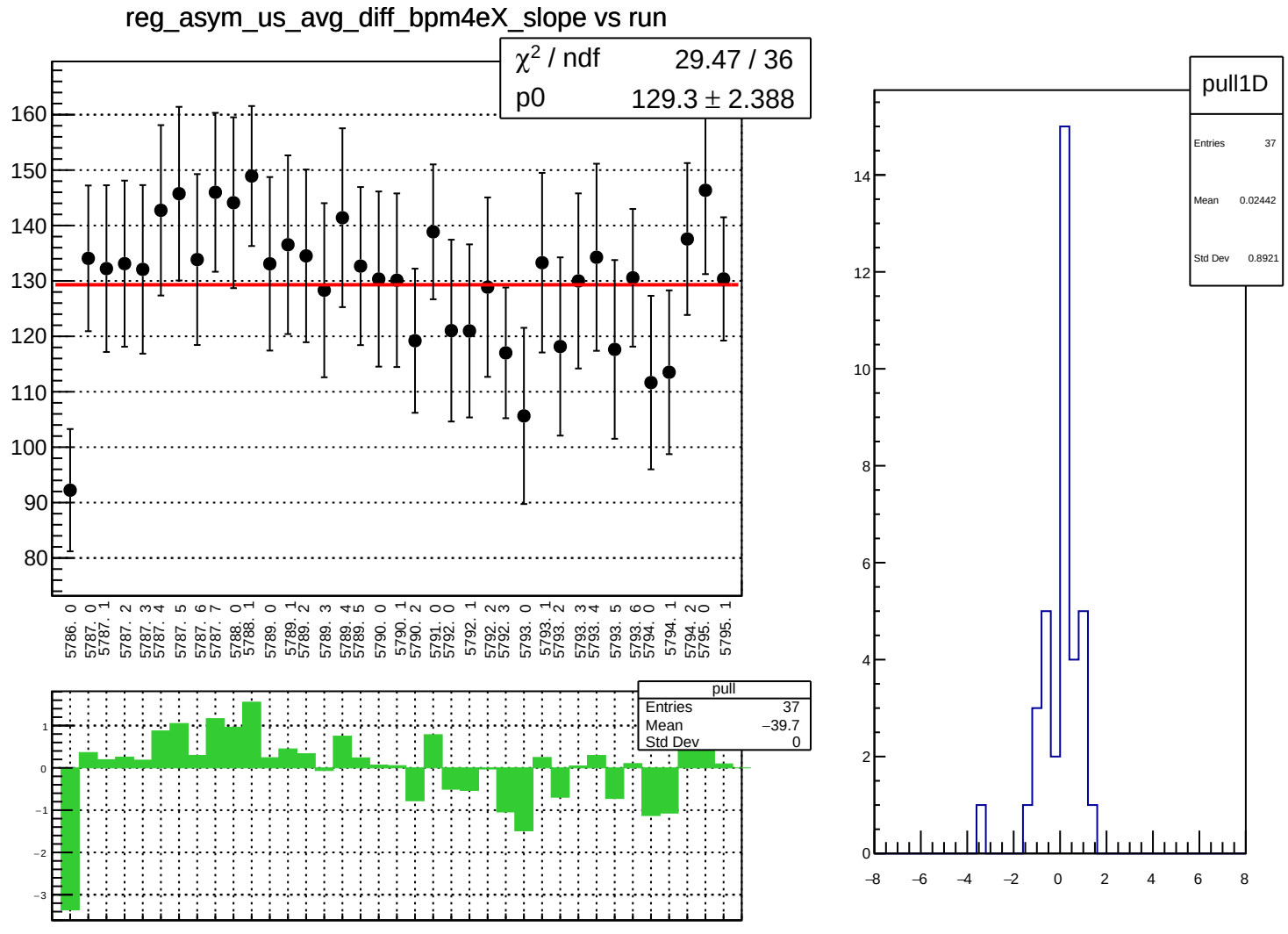

pull1D
Entries 37
Mean −0.01831
Std Dev 0.7904

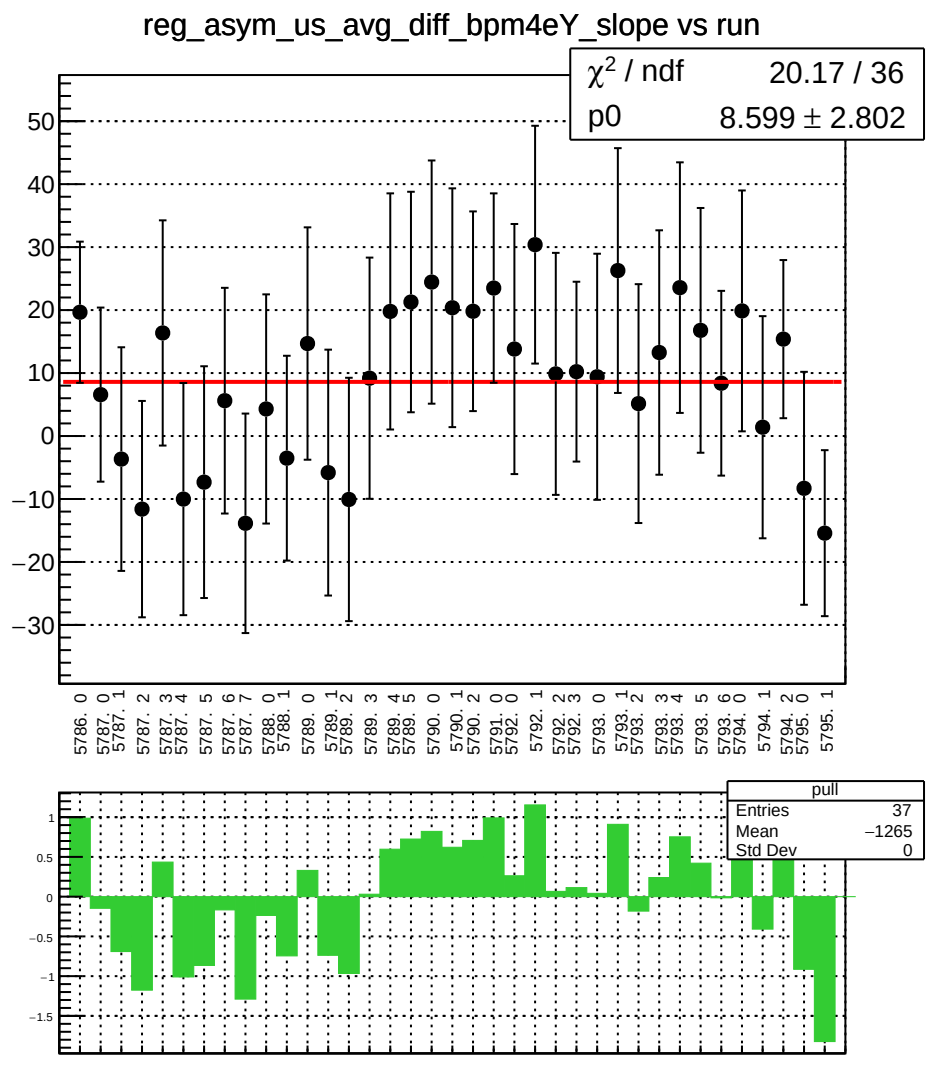

reg_asym_us_avg_diff_bpm1X_slope vs run
χ² / ndf 23.43 / 36
p0 −70.87 ± 1.666
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 7.774
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1

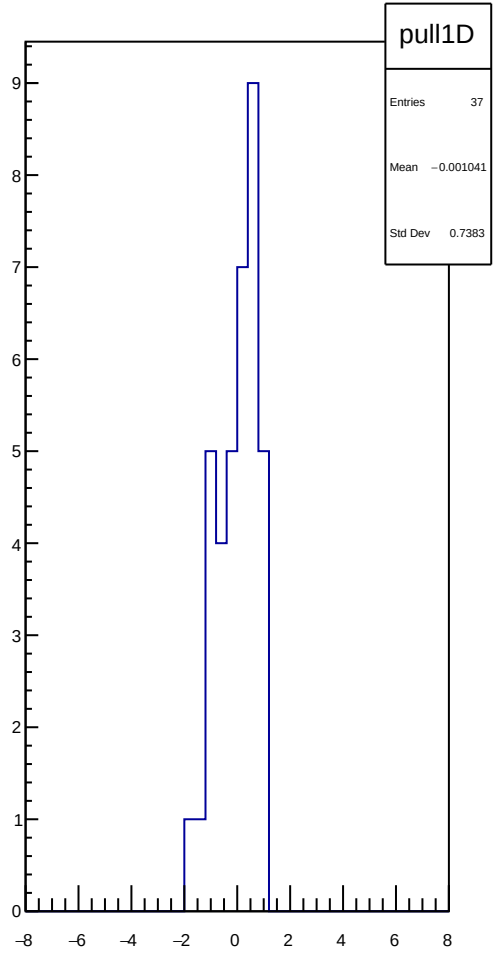

pull1D
Entries 37
Mean −0.02845
Std Dev 0.7953
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

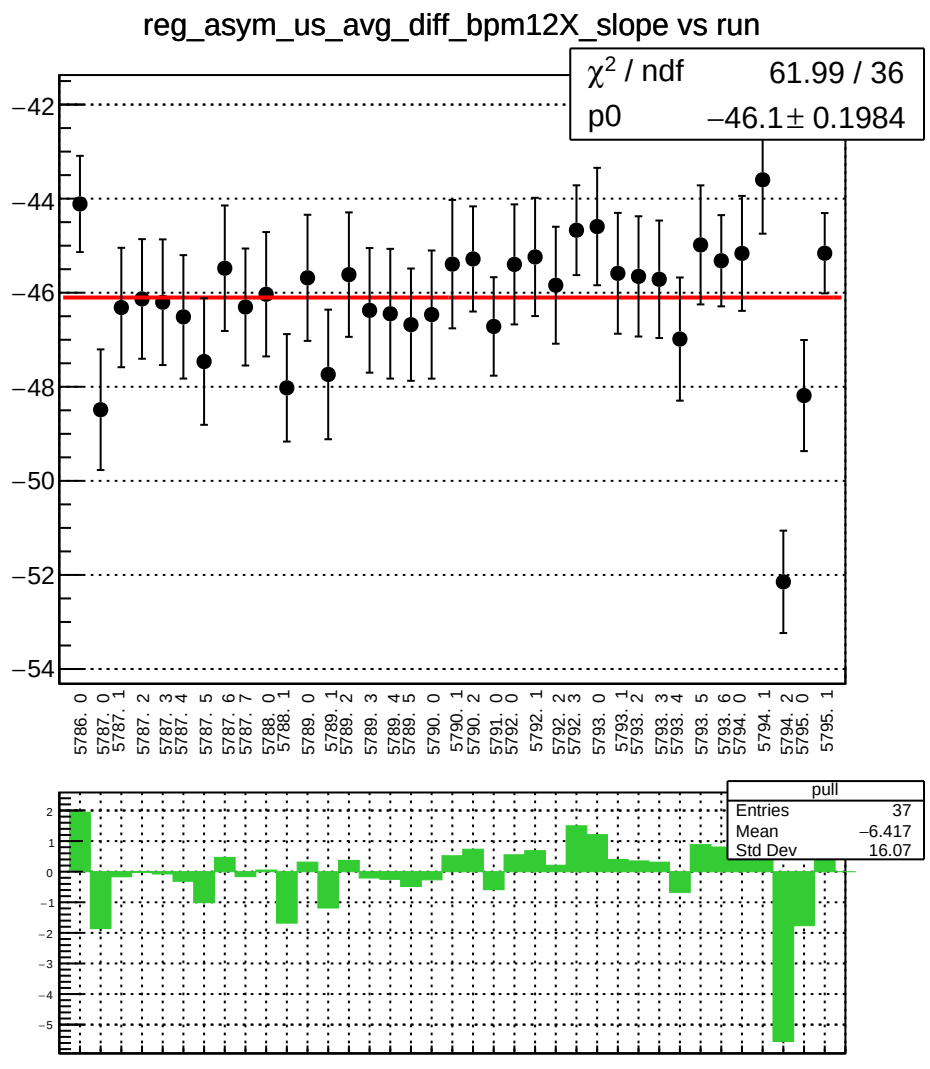

reg_asym_us_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.07 / 36
p0 8.126 ± 2.557
pull
Entries 37
Mean −1056
Std Dev 0

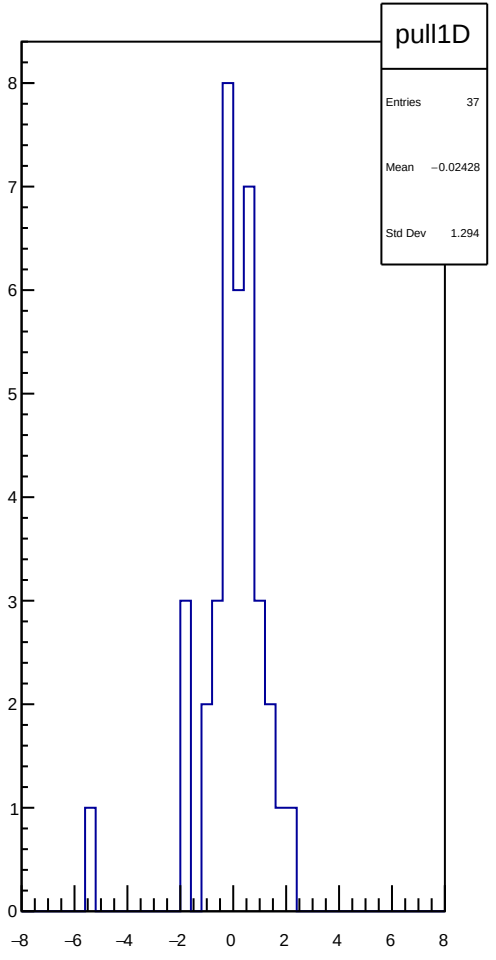

pull1D
Entries 37
Mean 0.001162
Std Dev 0.6989

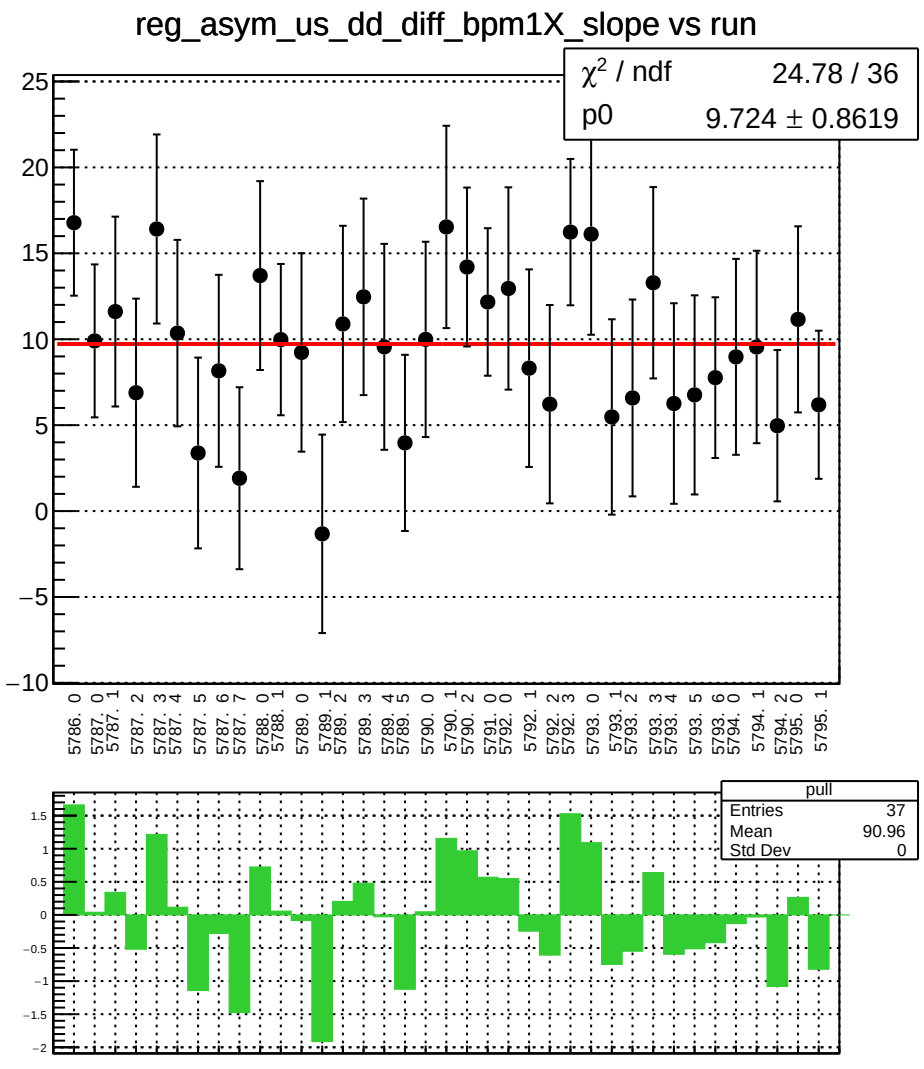

reg_asym_us_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.47 / 36
p0 129.3 ± 2.388
160
150
140
130
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −39.7
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.02442
Std Dev 0.8921
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

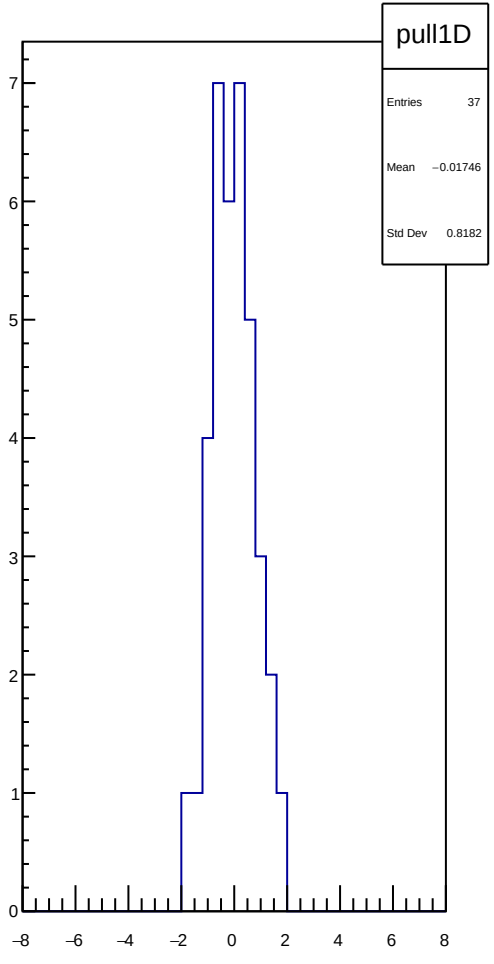

reg_asym_us_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.17 / 36
p0 8.599 ± 2.802
pull
Entries 37
Mean −1265
Std Dev 0

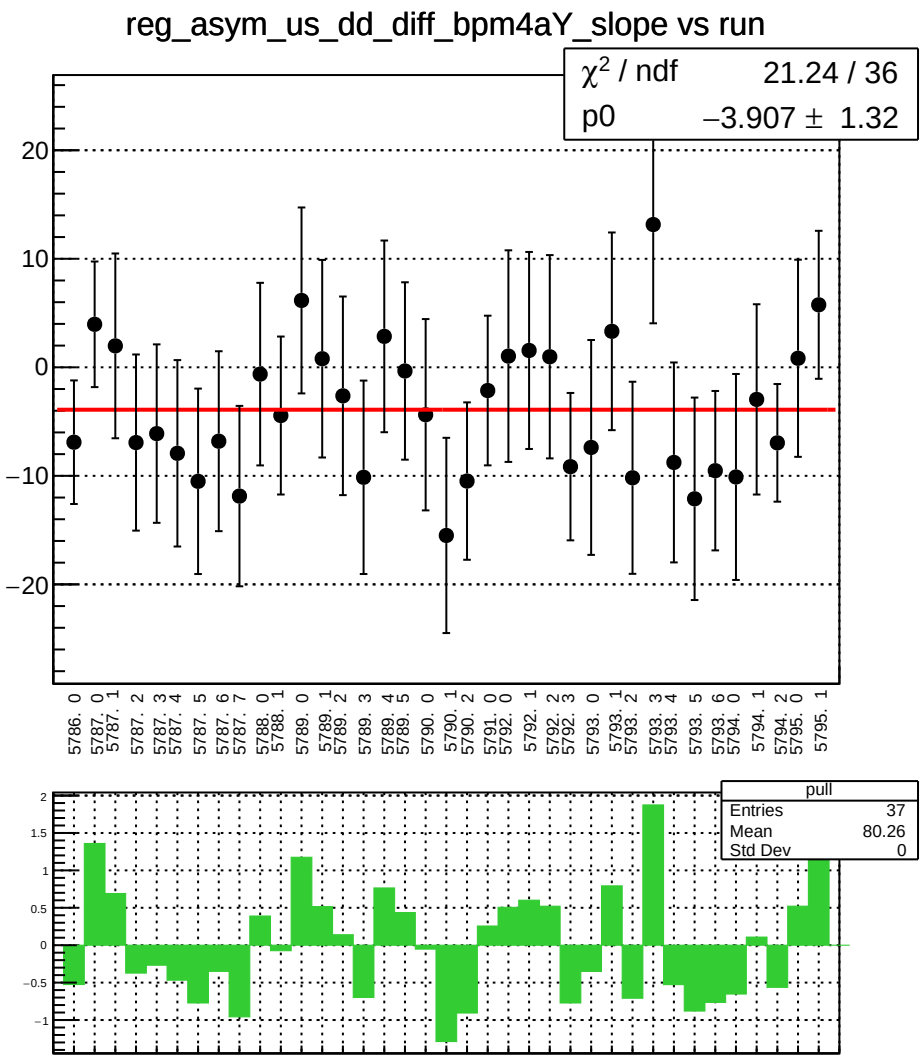

pull1D
Entries 37
Mean −0.001041
Std Dev 0.7383

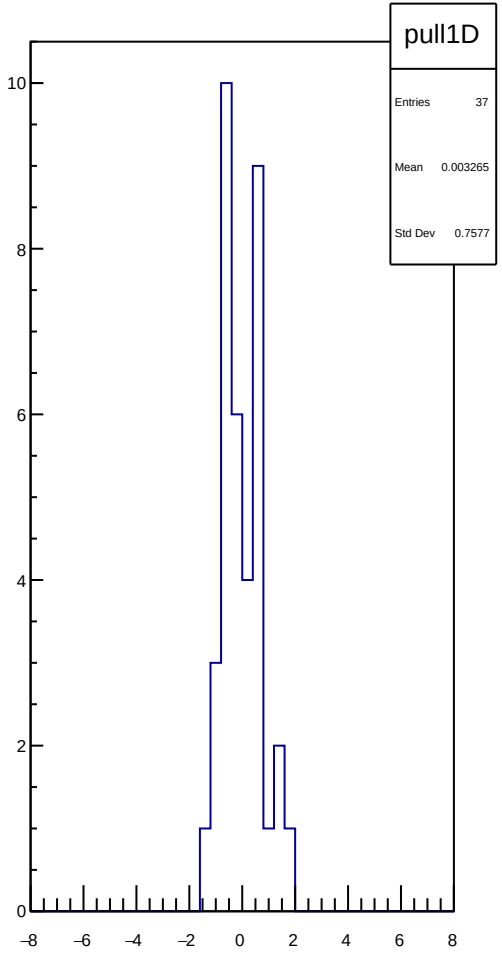

reg_asym_us_avg_diff_bpm12X_slope vs run
χ² / ndf 61.99 / 36
p0 −46.1 ± 0.1984
−42
−44
−46
−48
−50
−52
−54
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.417
Std Dev 16.07
2
1
0
−1
−2
−3
−4
−5

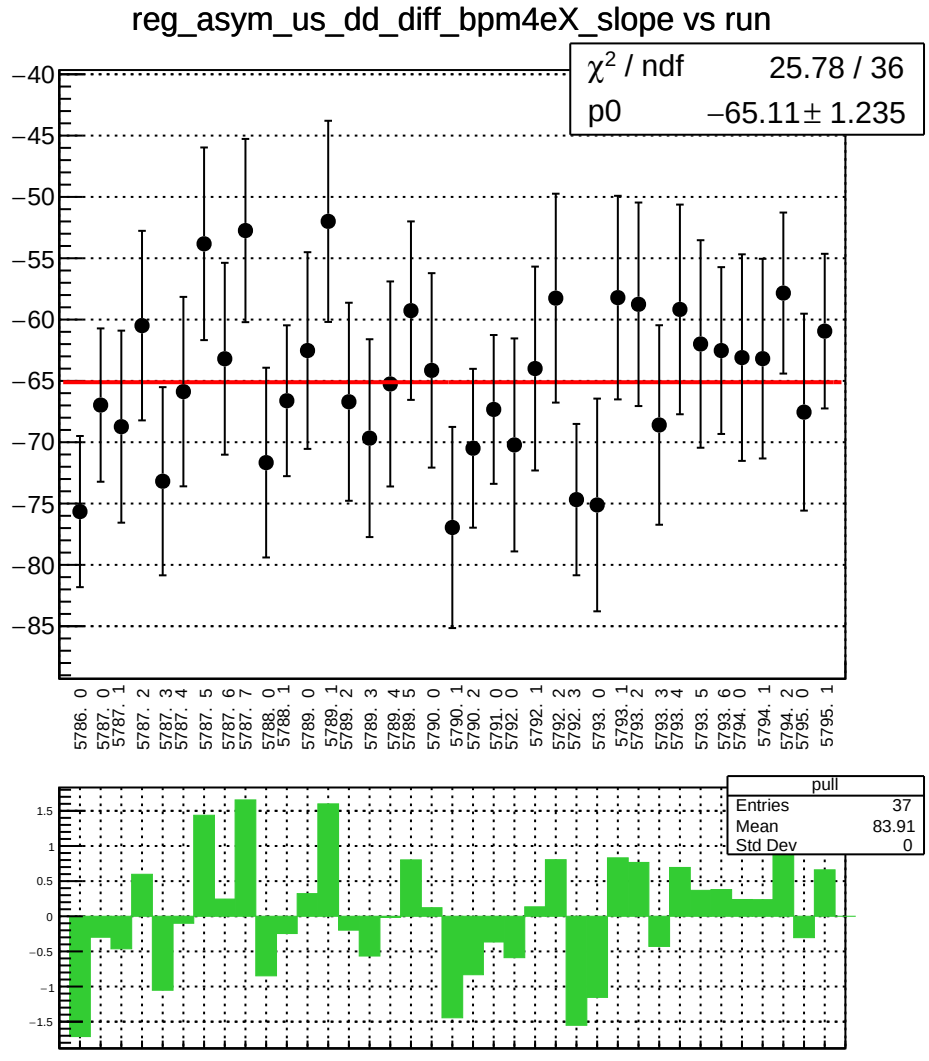

pull1D
Entries 37
Mean −0.02428
Std Dev 1.294
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

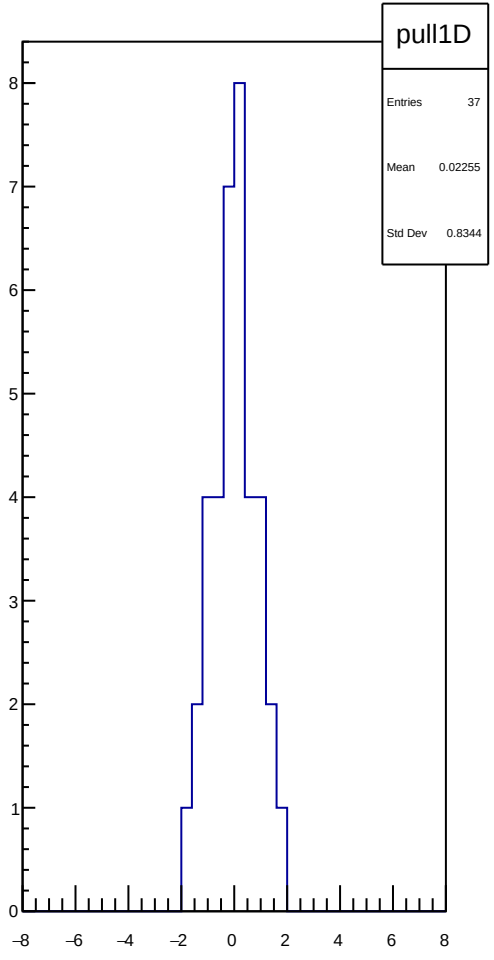

reg_asym_us_dd_diff_bpm1X_slope vs run
χ² / ndf 24.78 / 36
p0 9.724 ± 0.8619
pull
Entries 37
Mean 90.96
Std Dev 0

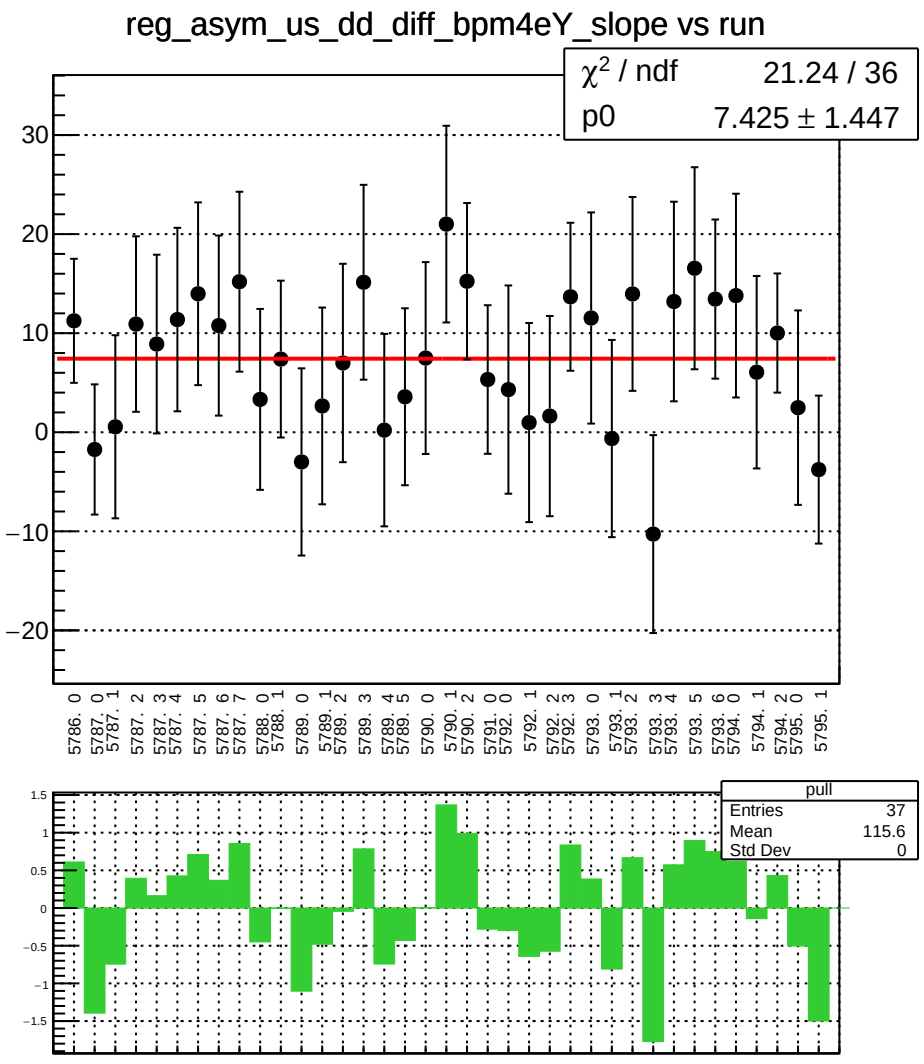

pull1D
Entries 37
Mean −0.01746
Std Dev 0.8182

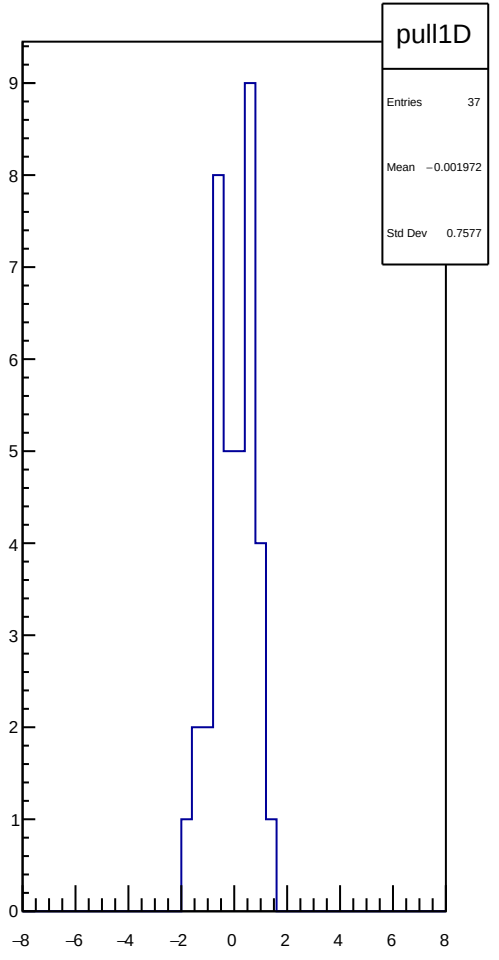

reg_asym_us_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.24 / 36
p0 −3.907 ± 1.32
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 80.26
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1

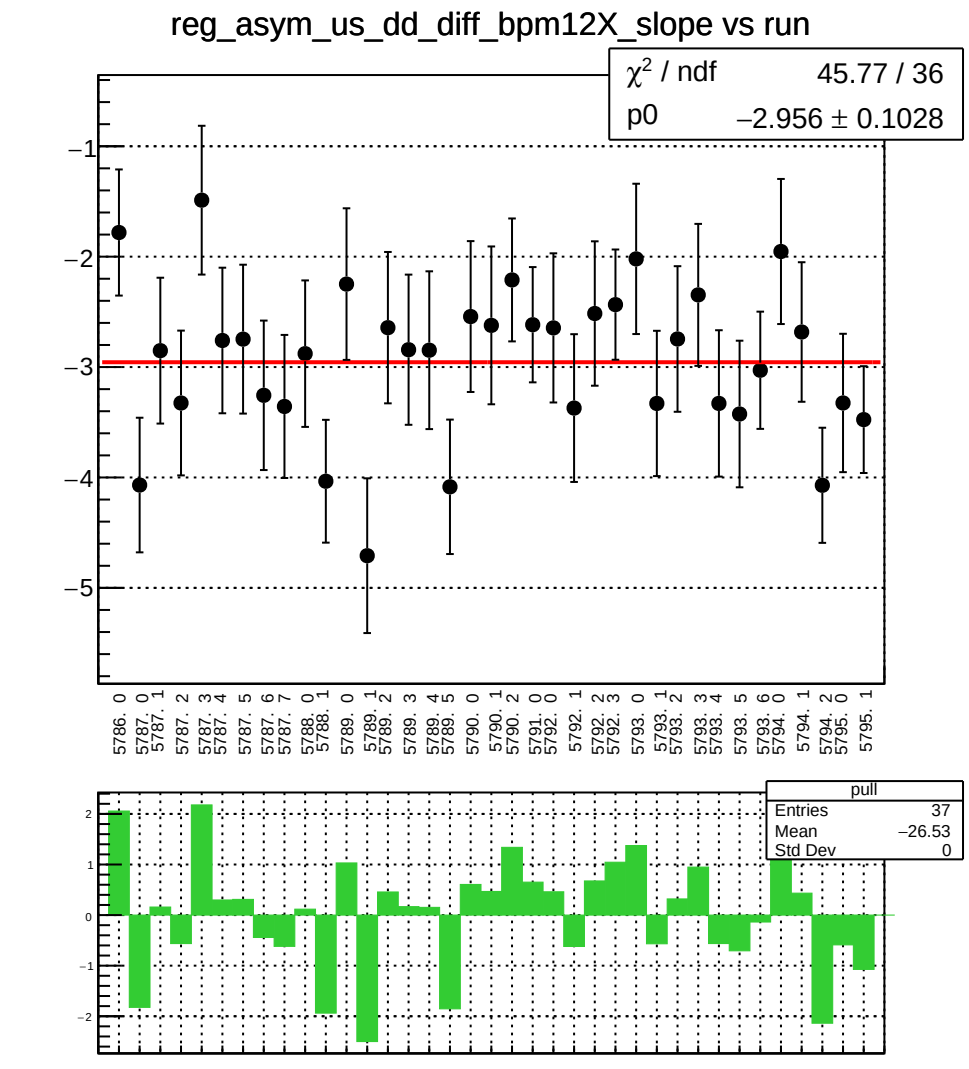

pull1D
Entries 37
Mean 0.003265
Std Dev 0.7577
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

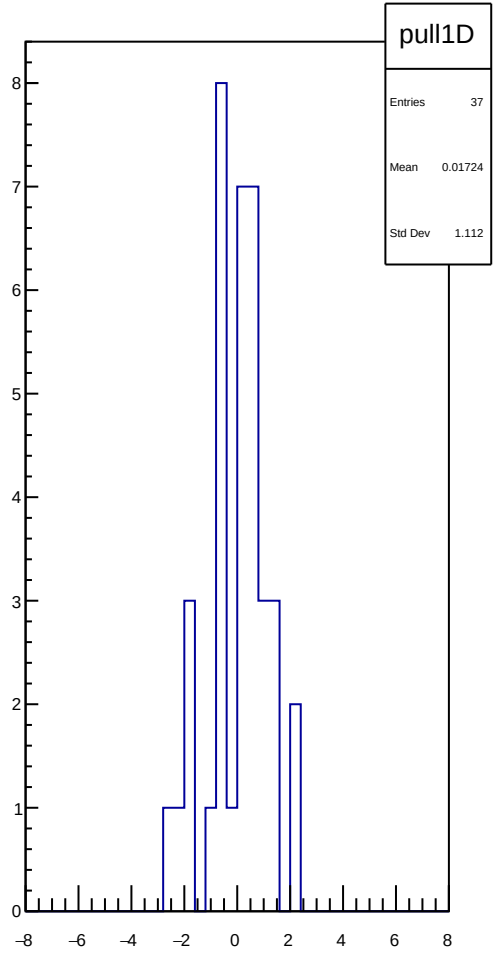

reg_asym_us_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.78 / 36
p0 −65.11 ± 1.235
pull
Entries 37
Mean 83.91
Std Dev 0

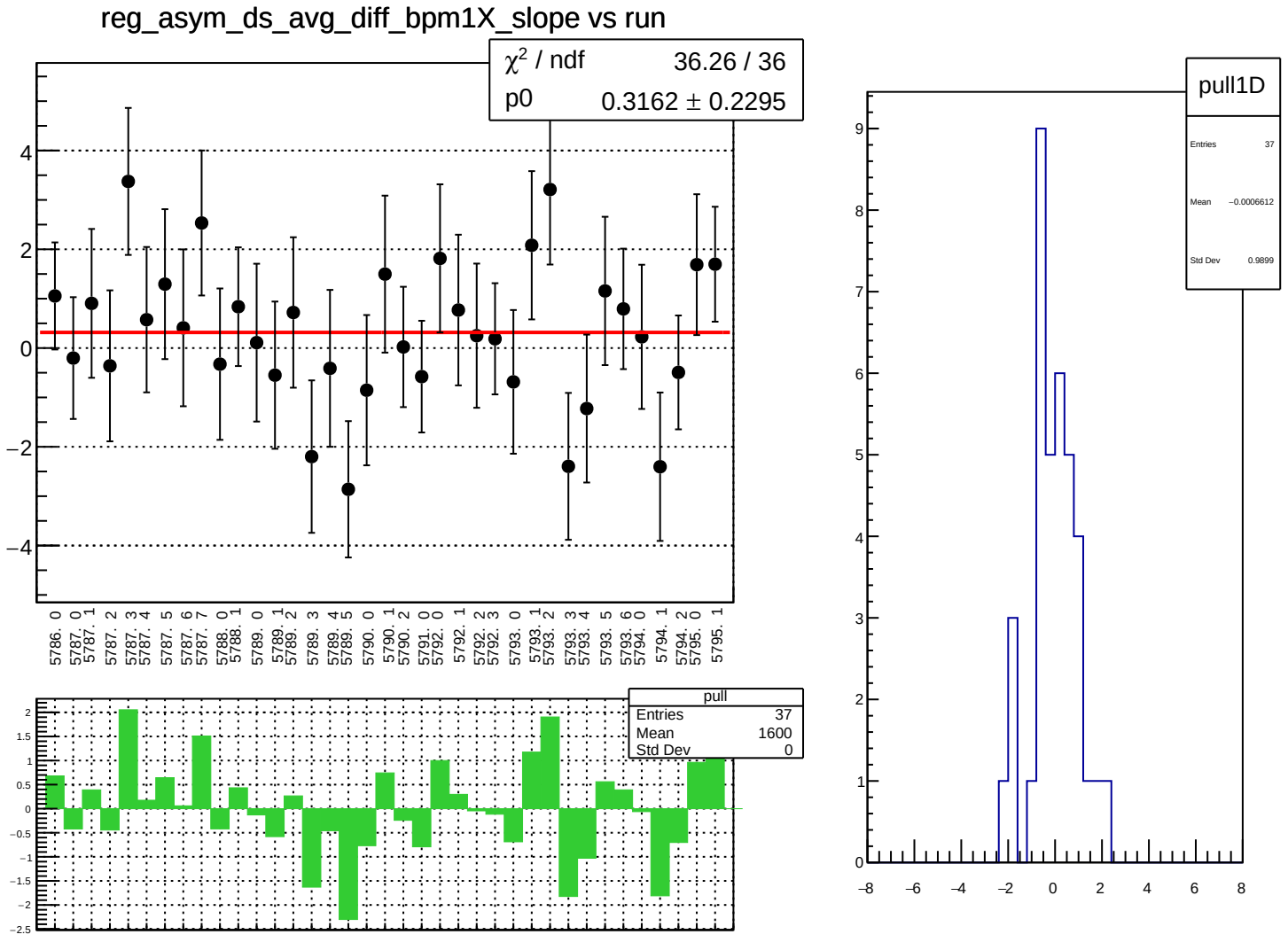

pull1D
Entries 37
Mean 0.02255
Std Dev 0.8344

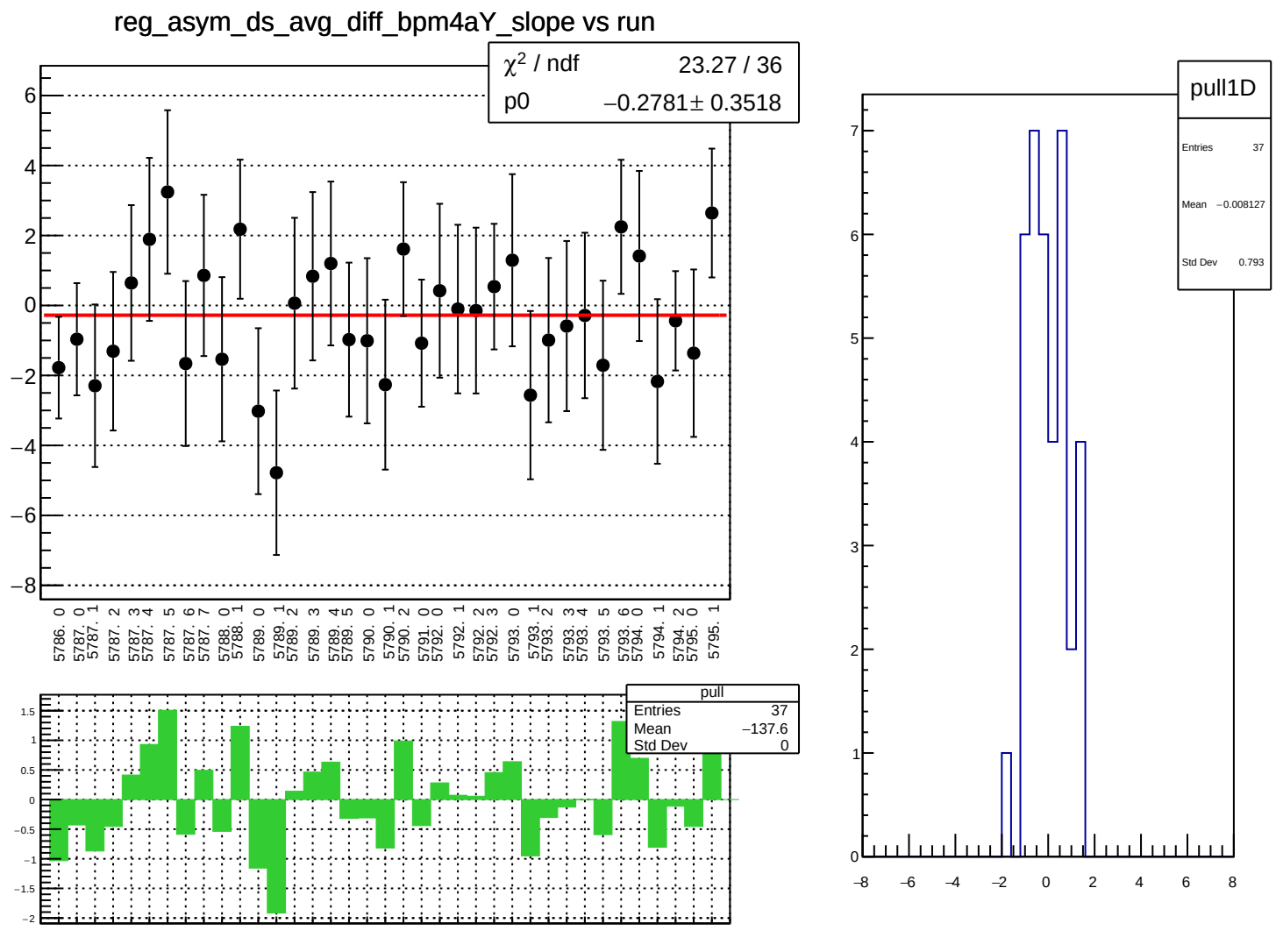

reg_asym_us_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.24 / 36
p0 7.425 ± 1.447
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 115.6
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

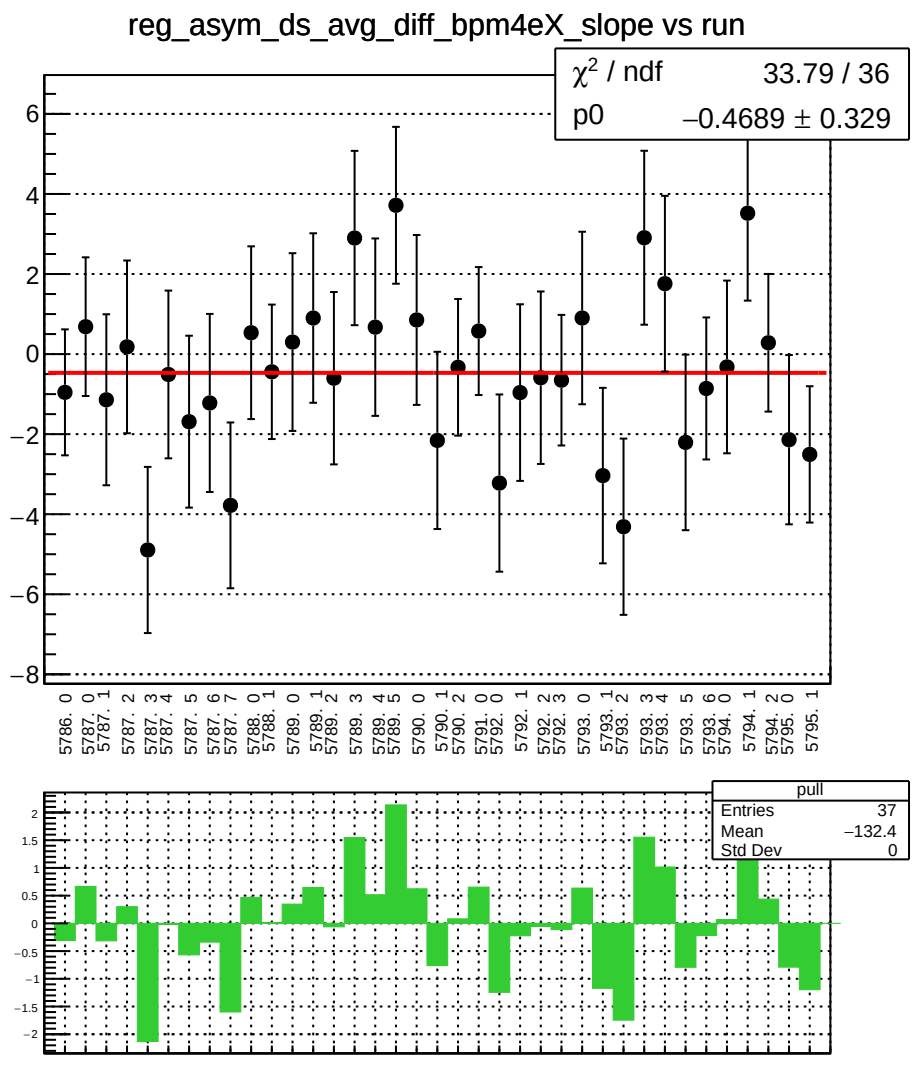

pull1D
Entries 37
Mean −0.001972
Std Dev 0.7577
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

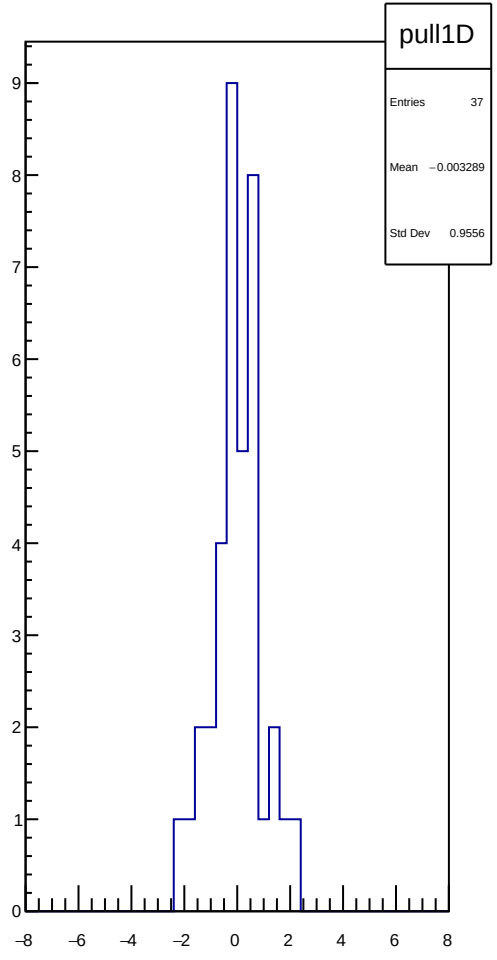

reg_asym_us_dd_diff_bpm12X_slope vs run
χ² / ndf 45.77 / 36
p0 −2.956 ± 0.1028
pull
Entries 37
Mean −26.53
Std Dev 0

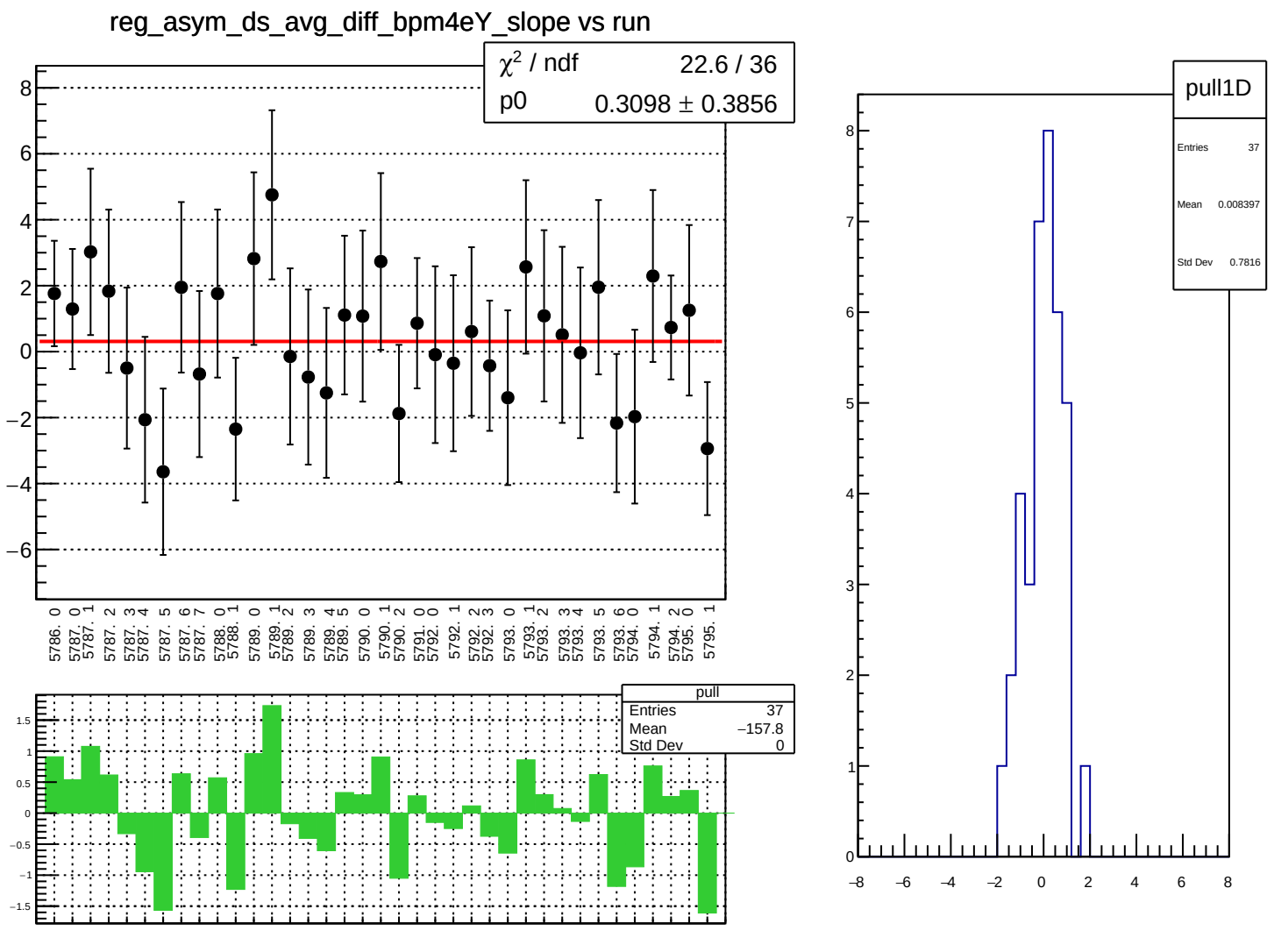

pull1D
Entries 37
Mean 0.01724
Std Dev 1.112

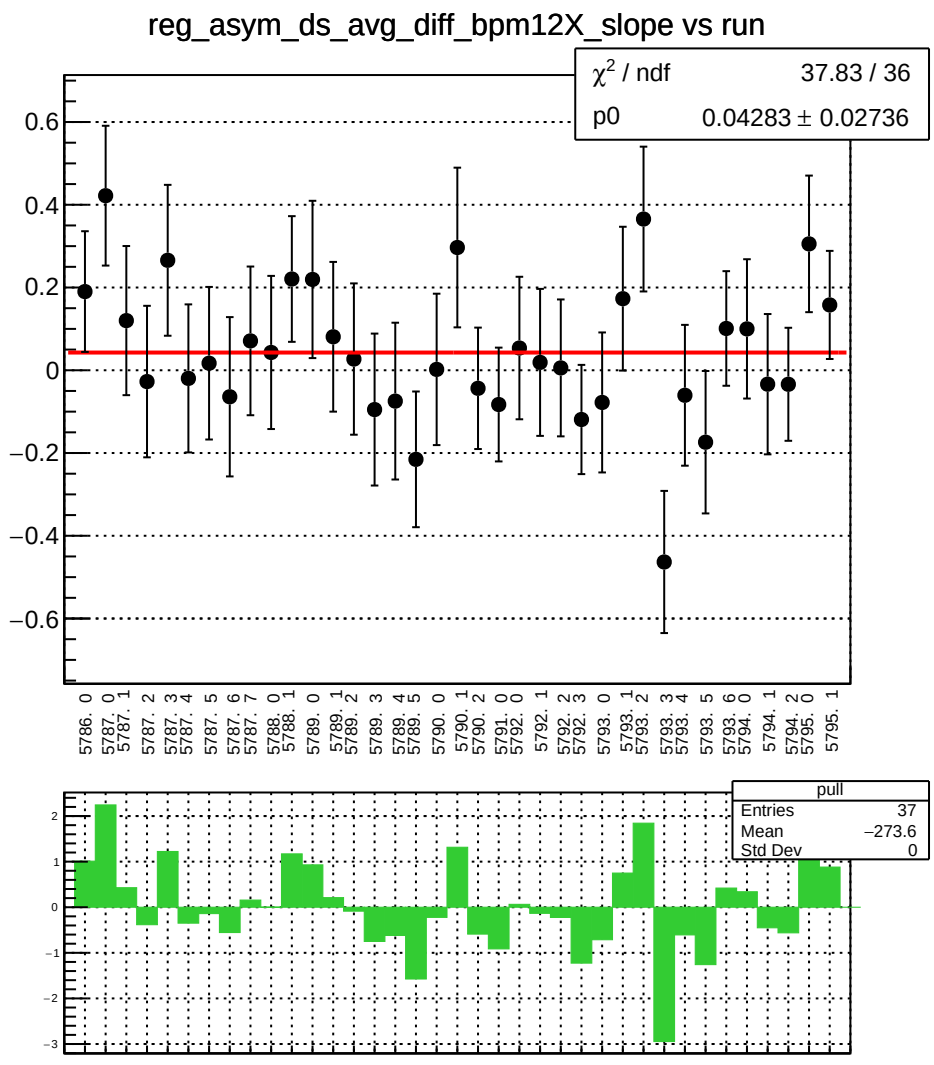

reg_asym_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 36.26 / 36
p0 0.3162 ± 0.2295
pull
Entries 37
Mean 1600
Std Dev 0
pull1D
Entries 37
Mean −0.0006612
Std Dev 0.9899

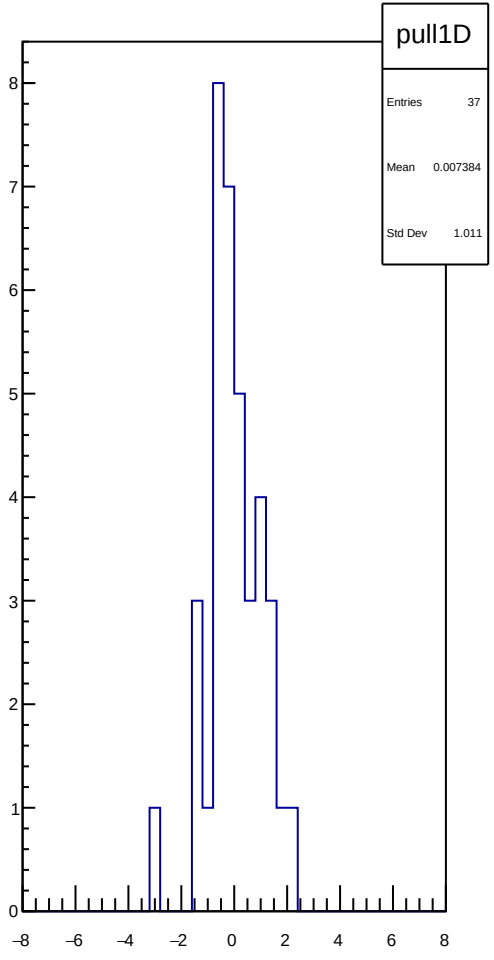

reg_asym_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.27 / 36
p0 −0.2781± 0.3518
pull
Entries 37
Mean −137.6
Std Dev 0
pull1D
Entries 37
Mean −0.008127
Std Dev 0.793

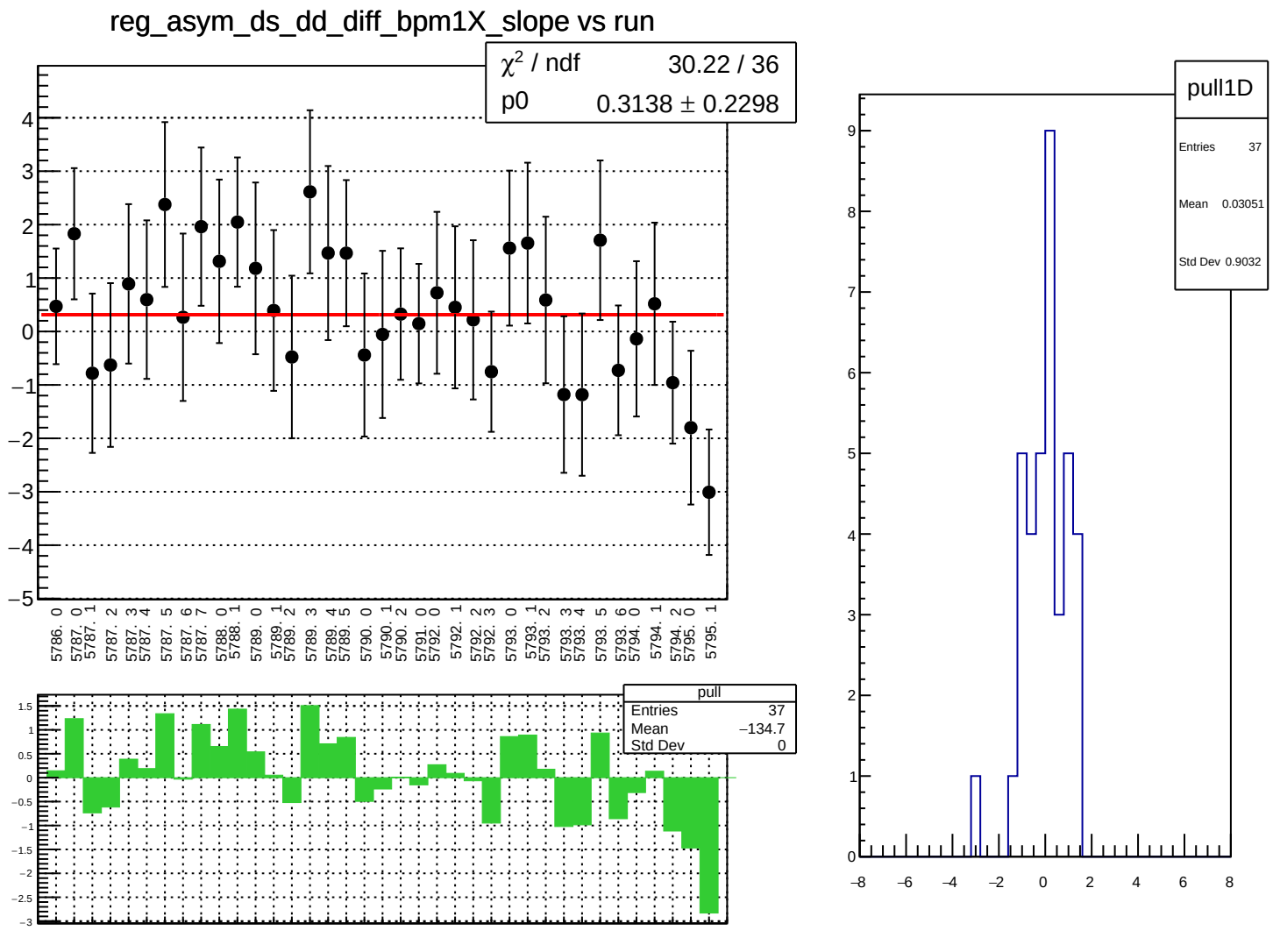

reg_asym_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 33.79 / 36
p0 −0.4689 ± 0.329
pull
Entries 37
Mean −132.4
Std Dev 0

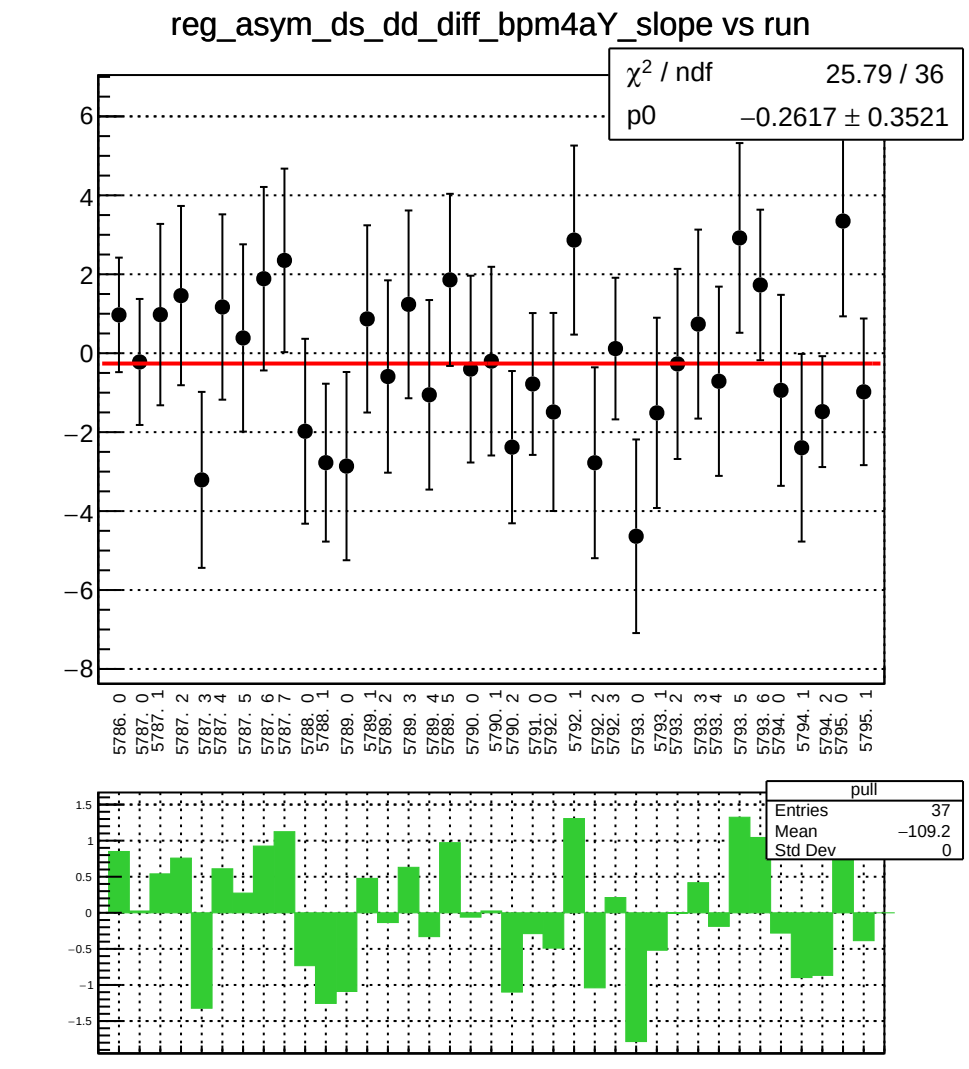

pull1D
Entries 37
Mean −0.003289
Std Dev 0.9556

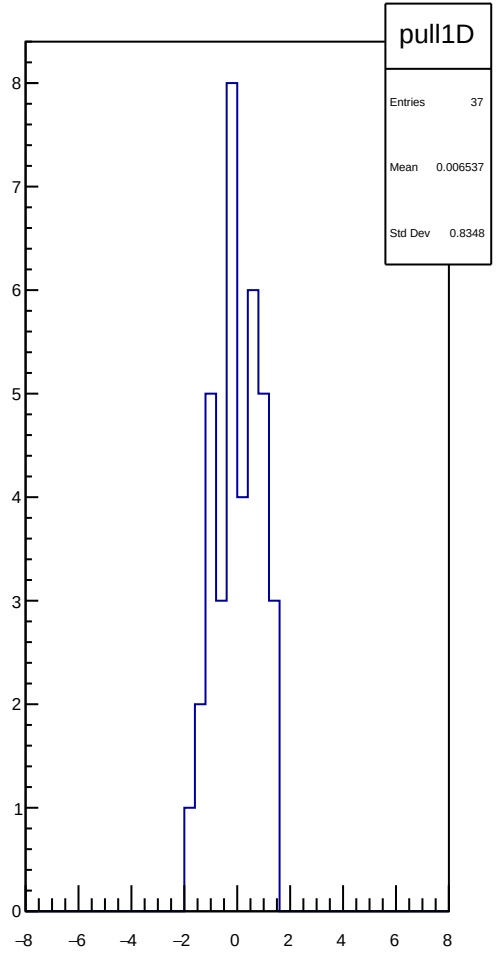

reg_asym_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 22.6 / 36
p0 0.3098 ± 0.3856
pull
Entries 37
Mean −157.8
Std Dev 0
pull1D
Entries 37
Mean 0.008397
Std Dev 0.7816

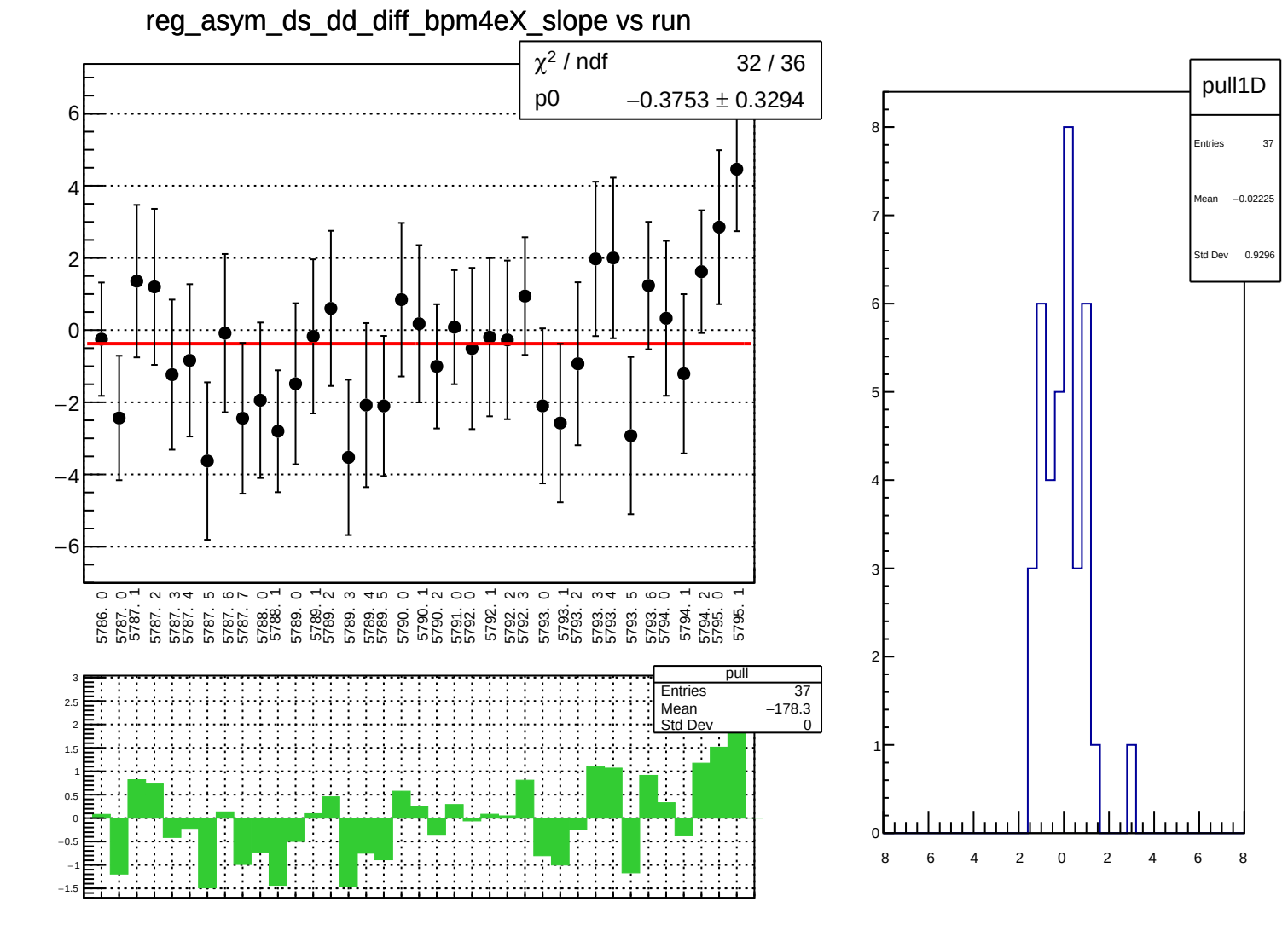

reg_asym_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 37.83 / 36
p0 0.04283 ± 0.02736
pull
Entries 37
Mean −273.6
Std Dev 0

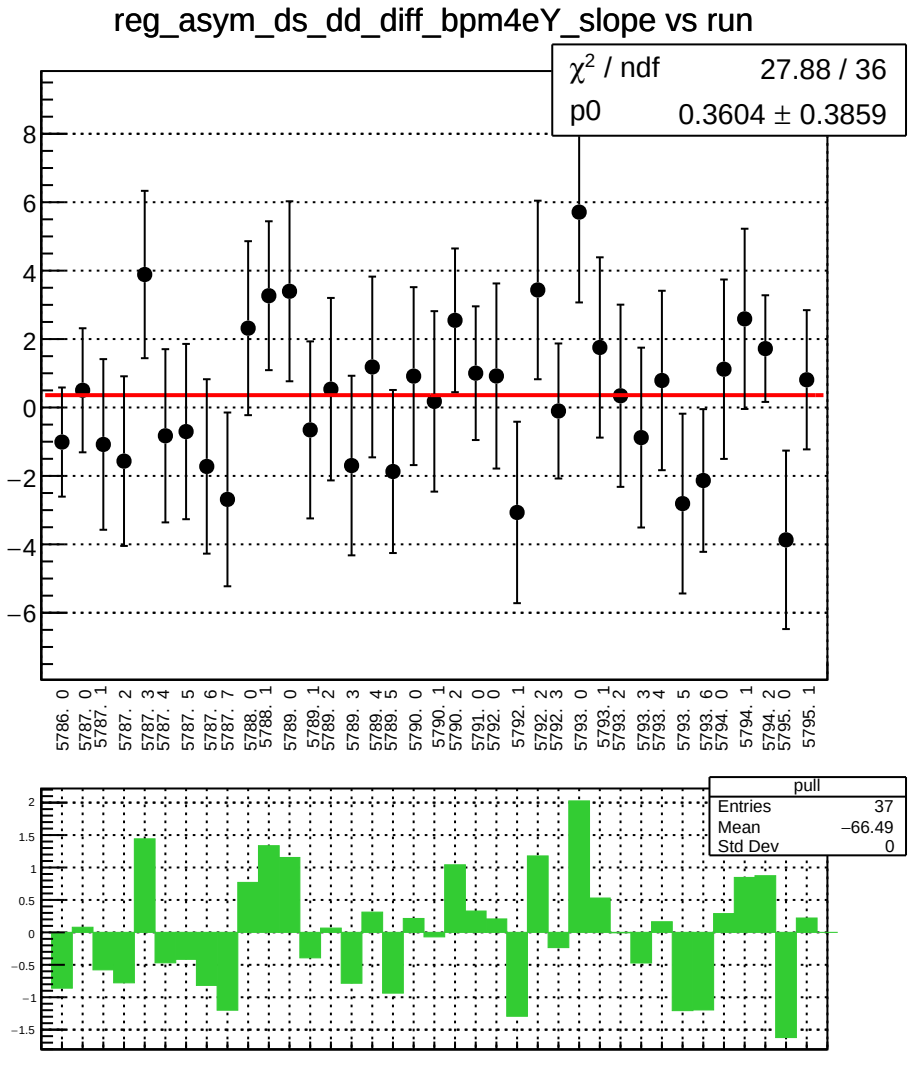

pull1D
Entries 37
Mean 0.007384
Std Dev 1.011

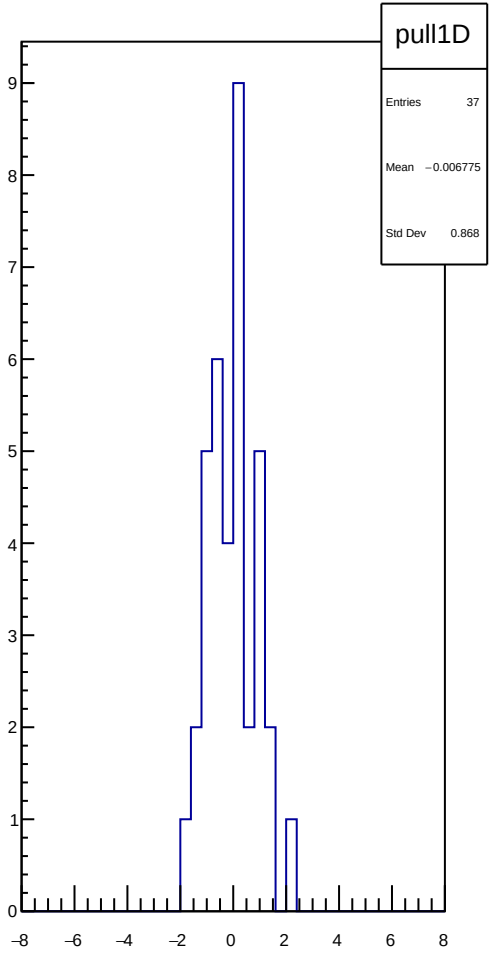

reg_asym_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 30.22 / 36
p0 0.3138 ± 0.2298
pull
Entries 37
Mean −134.7
Std Dev 0
pull1D
Entries 37
Mean 0.03051
Std Dev 0.9032

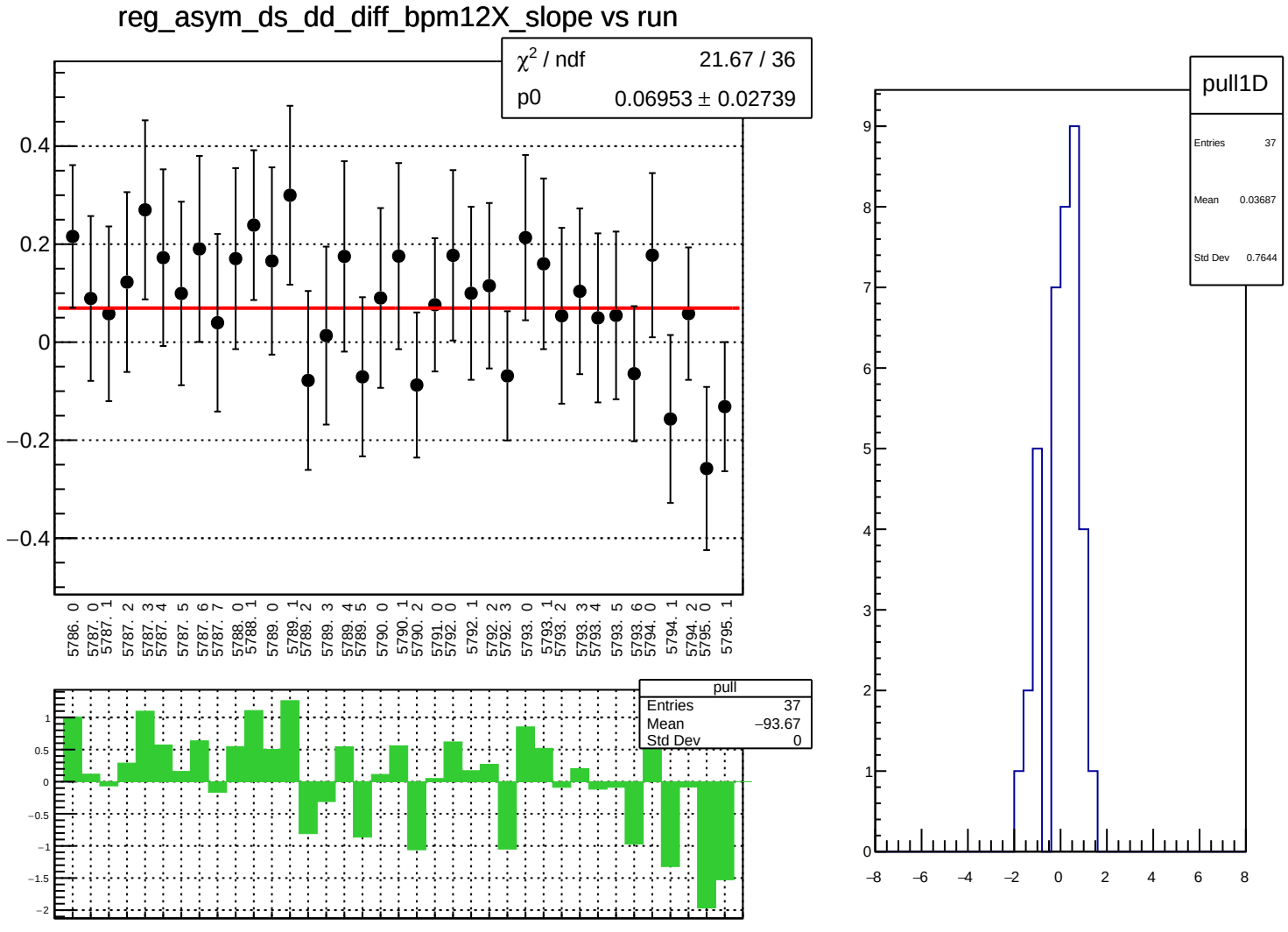

reg_asym_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 25.79 / 36
p0 −0.2617 ± 0.3521
pull
Entries 37
Mean −109.2
Std Dev 0

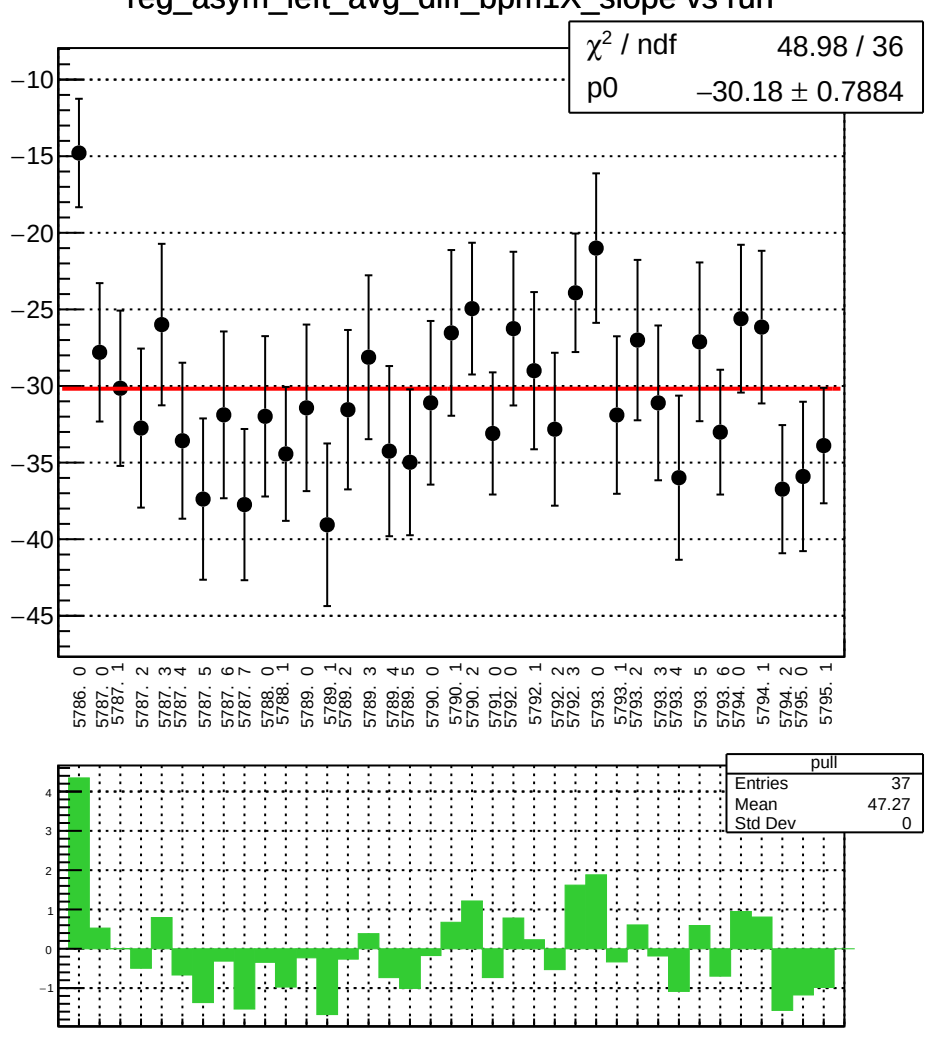

pull1D
Entries 37
Mean 0.006537
Std Dev 0.8348

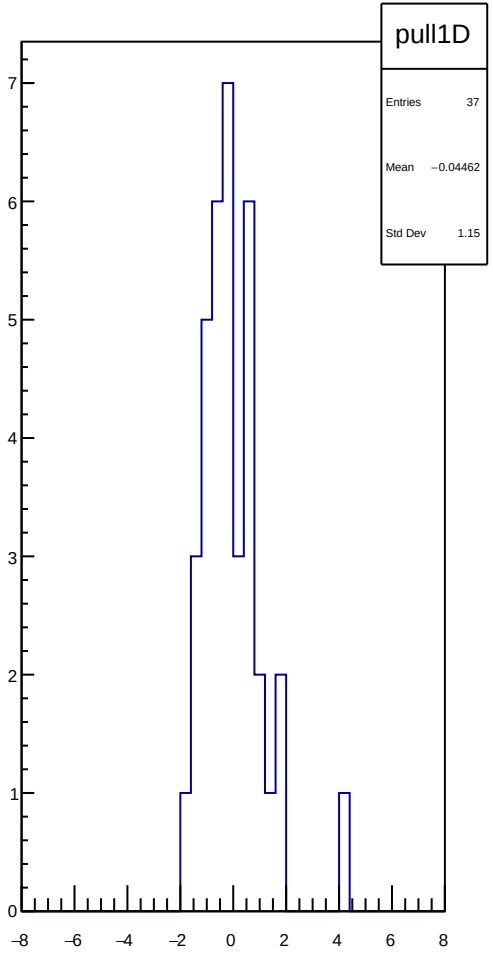

reg_asym_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 32 / 36
p0 −0.3753 ± 0.3294
pull
Entries 37
Mean −178.3
Std Dev 0
pull1D
Entries 37
Mean −0.02225
Std Dev 0.9296

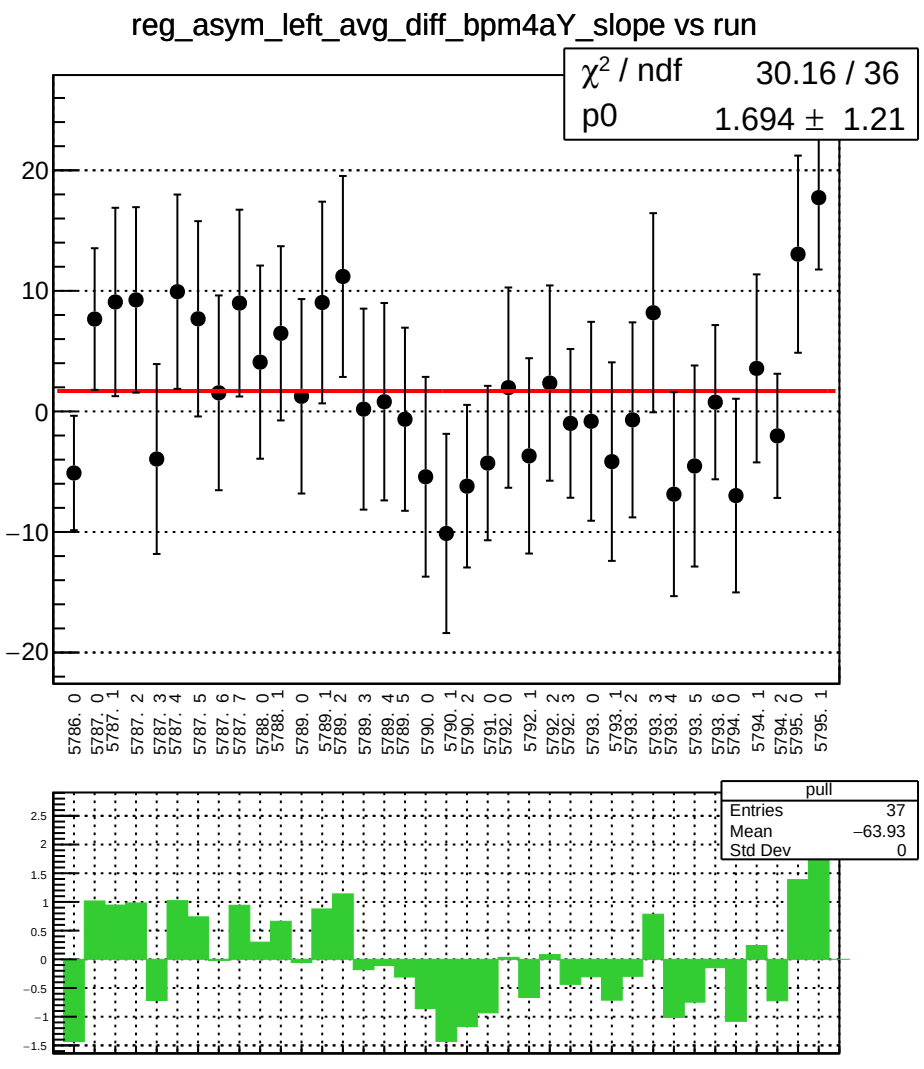

reg_asym_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 27.88 / 36
p0 0.3604 ± 0.3859
pull
Entries 37
Mean −66.49
Std Dev 0

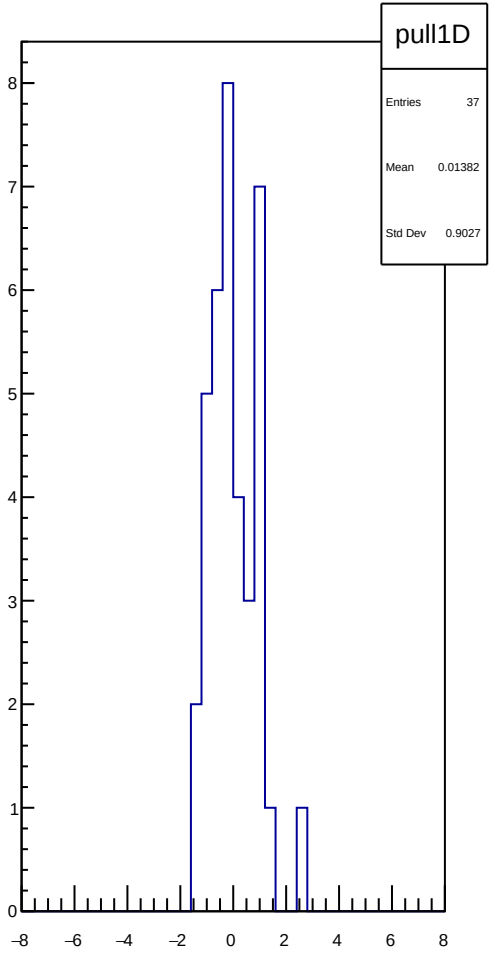

pull1D
Entries 37
Mean −0.006775
Std Dev 0.868

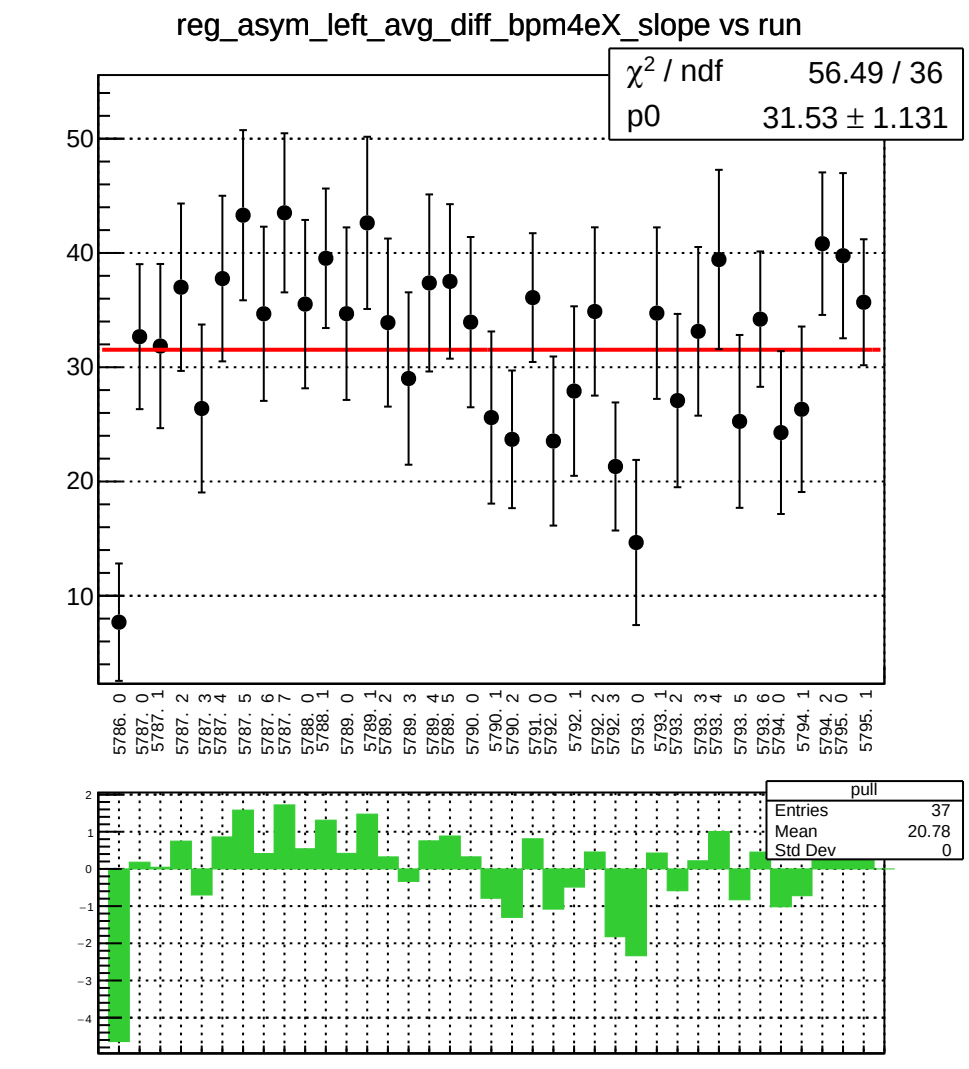

reg_asym_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 21.67 / 36
p0 0.06953 ± 0.02739
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −93.67
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.03687
Std Dev 0.7644
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

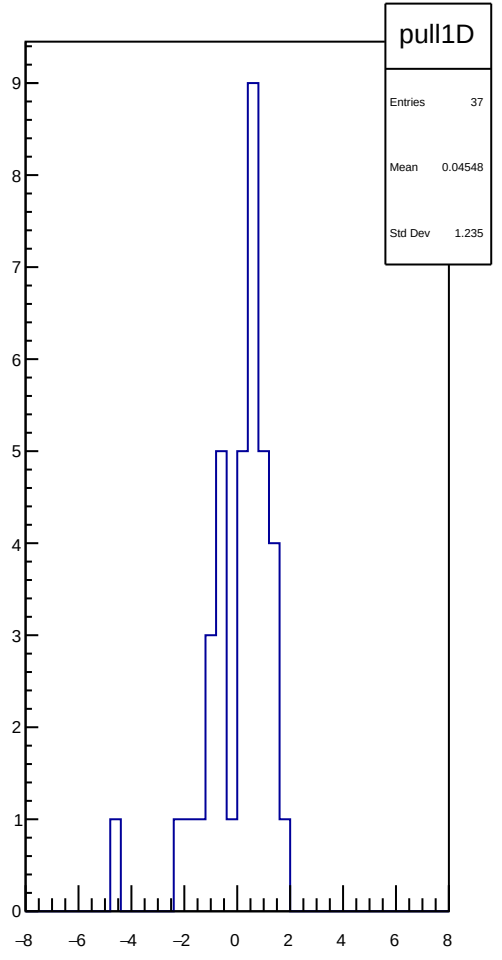

reg_asym_left_avg_diff_bpm1X_slope vs run
χ² / ndf 48.98 / 36
p0 −30.18 ± 0.7884
pull
Entries 37
Mean 47.27
Std Dev 0

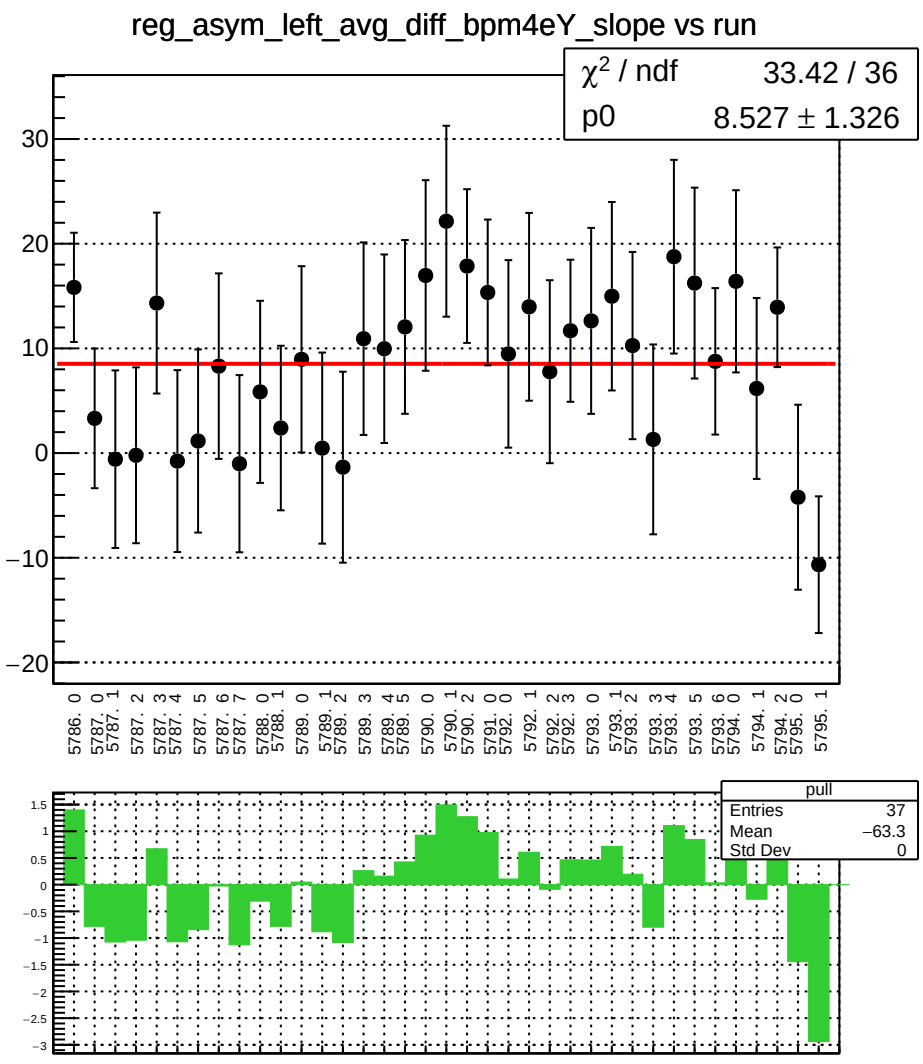

pull1D
Entries 37
Mean −0.04462
Std Dev 1.15

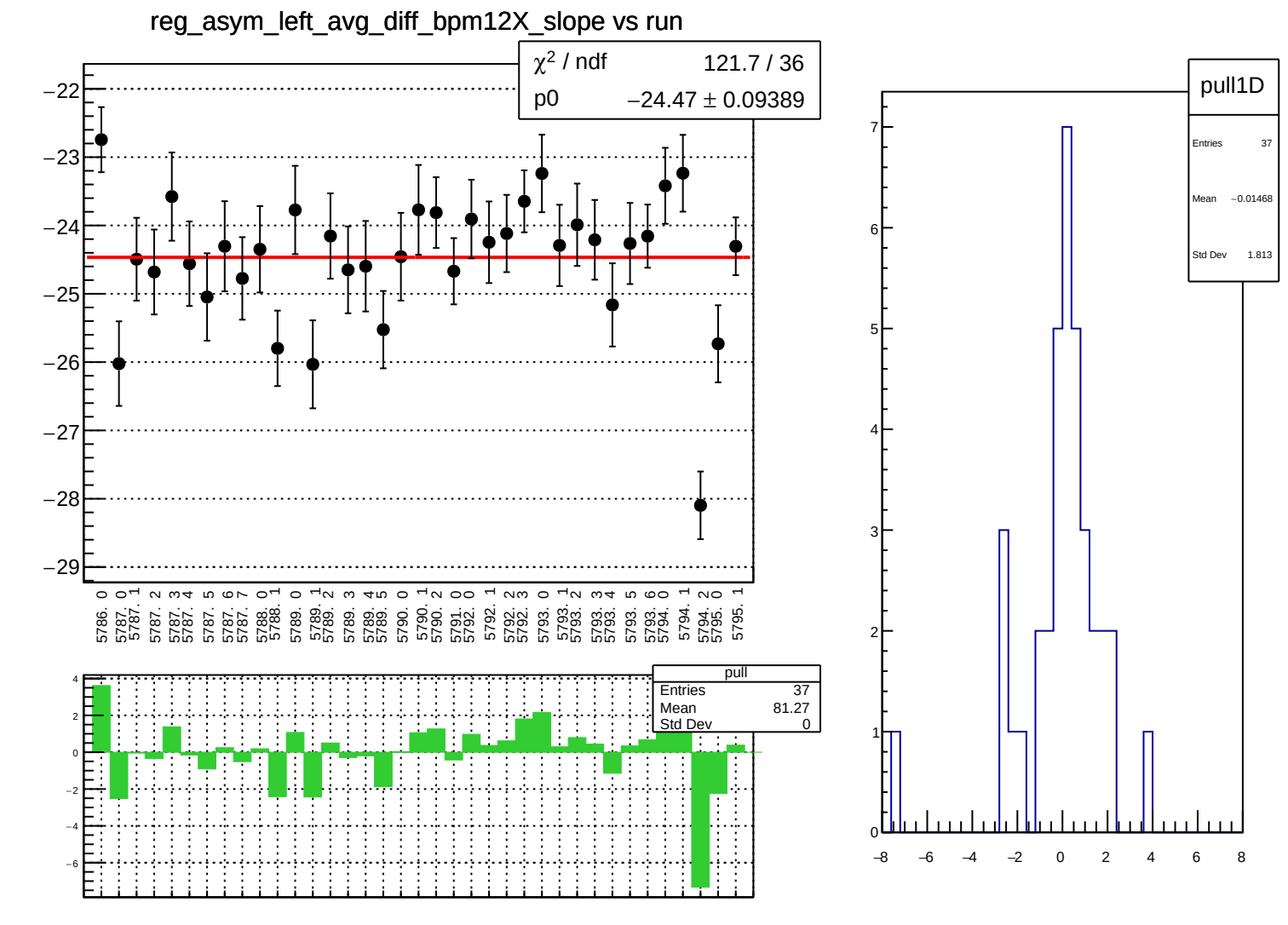

reg_asym_left_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.16 / 36
p0 1.694 ± 1.21
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −63.93
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5

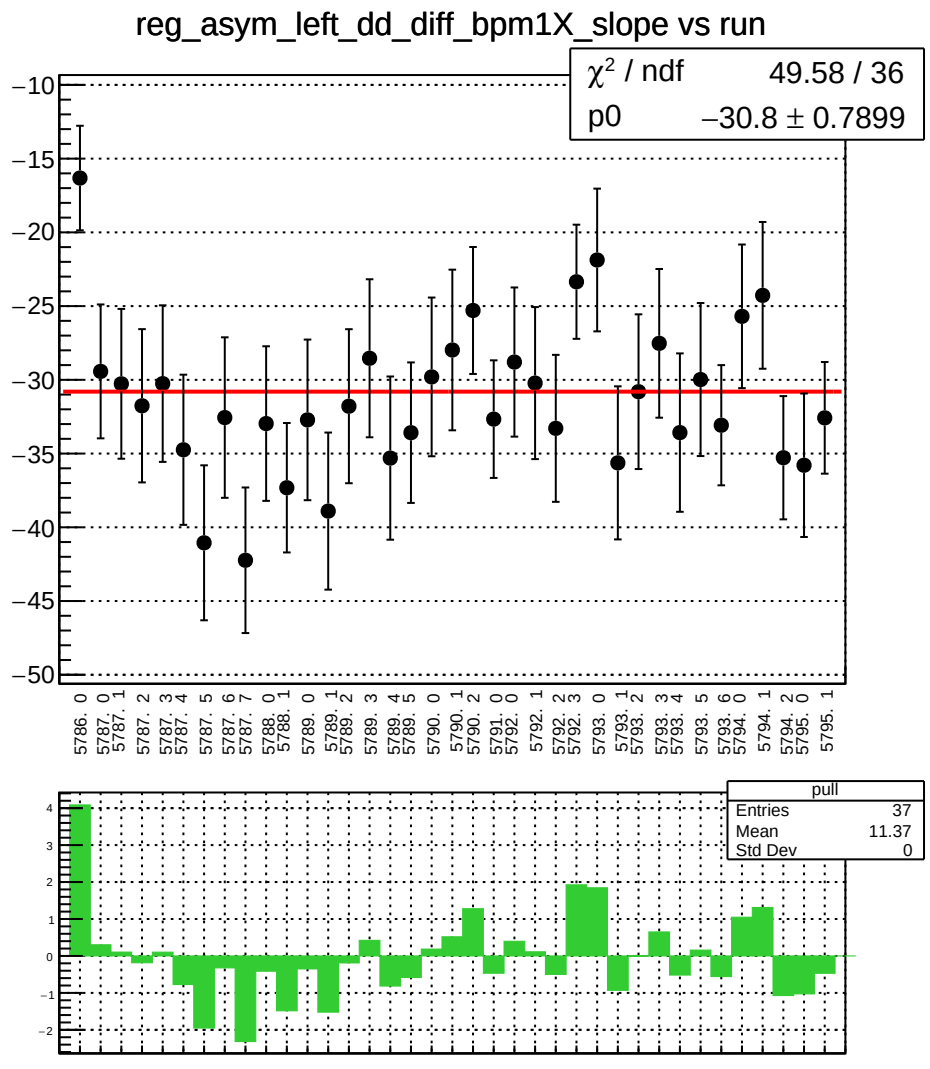

pull1D
Entries 37
Mean 0.01382
Std Dev 0.9027
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

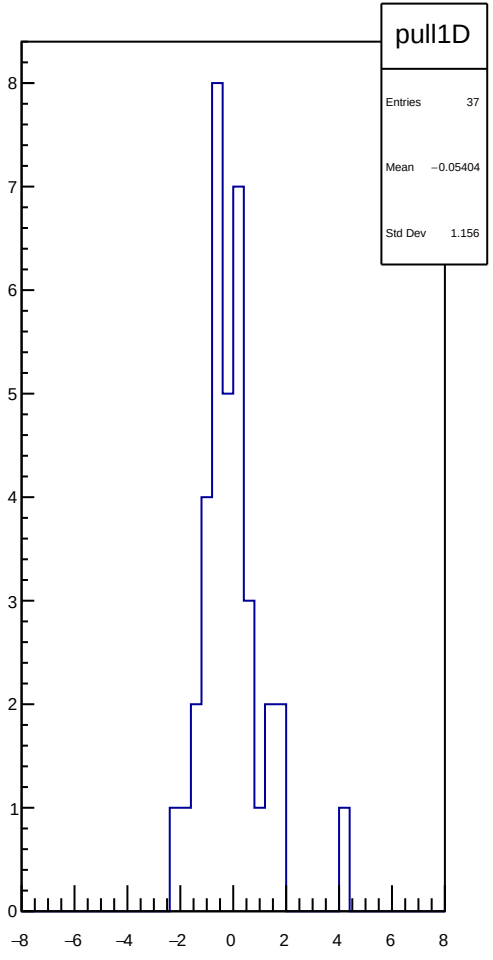

reg_asym_left_avg_diff_bpm4eX_slope vs run
χ² / ndf 56.49 / 36
p0 31.53 ± 1.131
50
40
30
20
10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.78
Std Dev 0
2
1
0
−1
−2
−3
−4

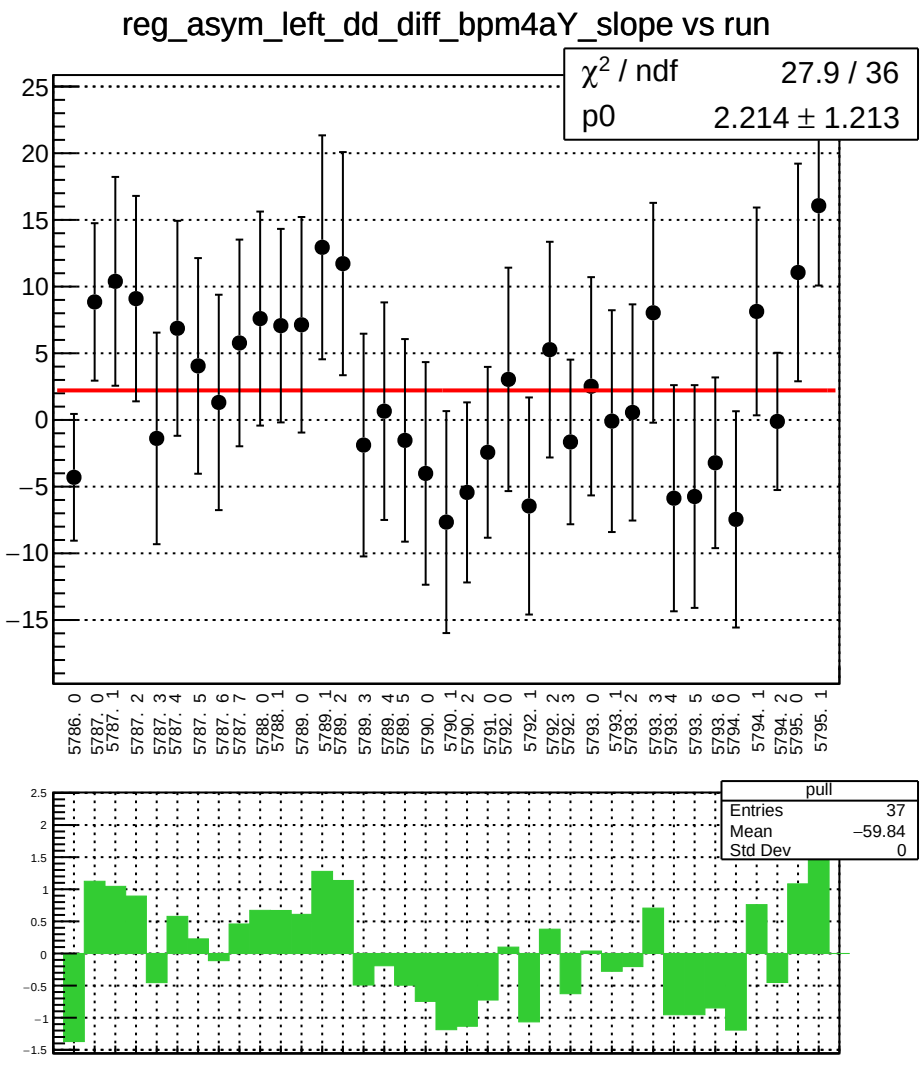

pull1D
Entries 37
Mean 0.04548
Std Dev 1.235
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

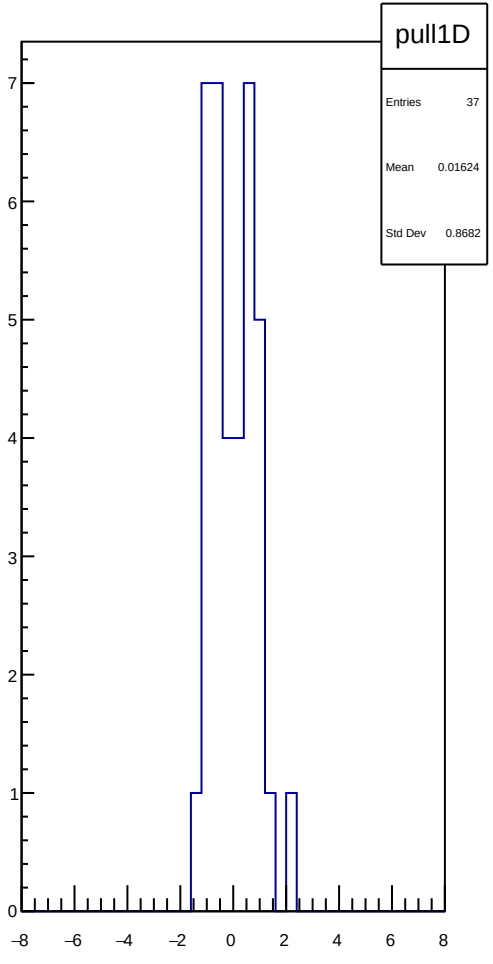

reg_asym_left_avg_diff_bpm4eY_slope vs run
χ² / ndf 33.42 / 36
p0 8.527 ± 1.326
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −63.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 37
Mean −0.0143
Std Dev 0.9503
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

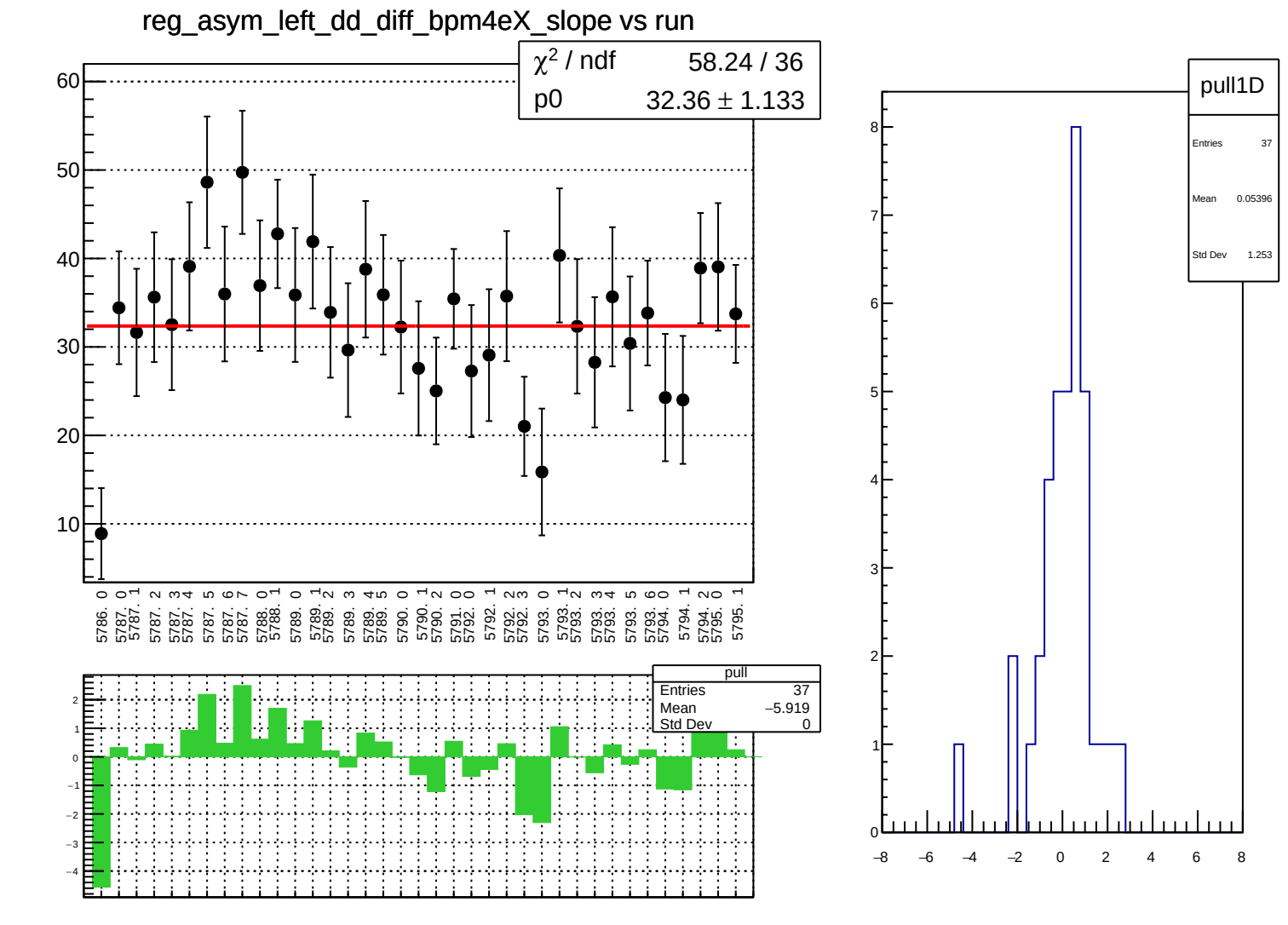

reg_asym_left_avg_diff_bpm12X_slope vs run
χ² / ndf 121.7 / 36
p0 −24.47 ± 0.09389
pull
Entries 37
Mean 81.27
Std Dev 0
pull1D
Entries 37
Mean −0.01468
Std Dev 1.813

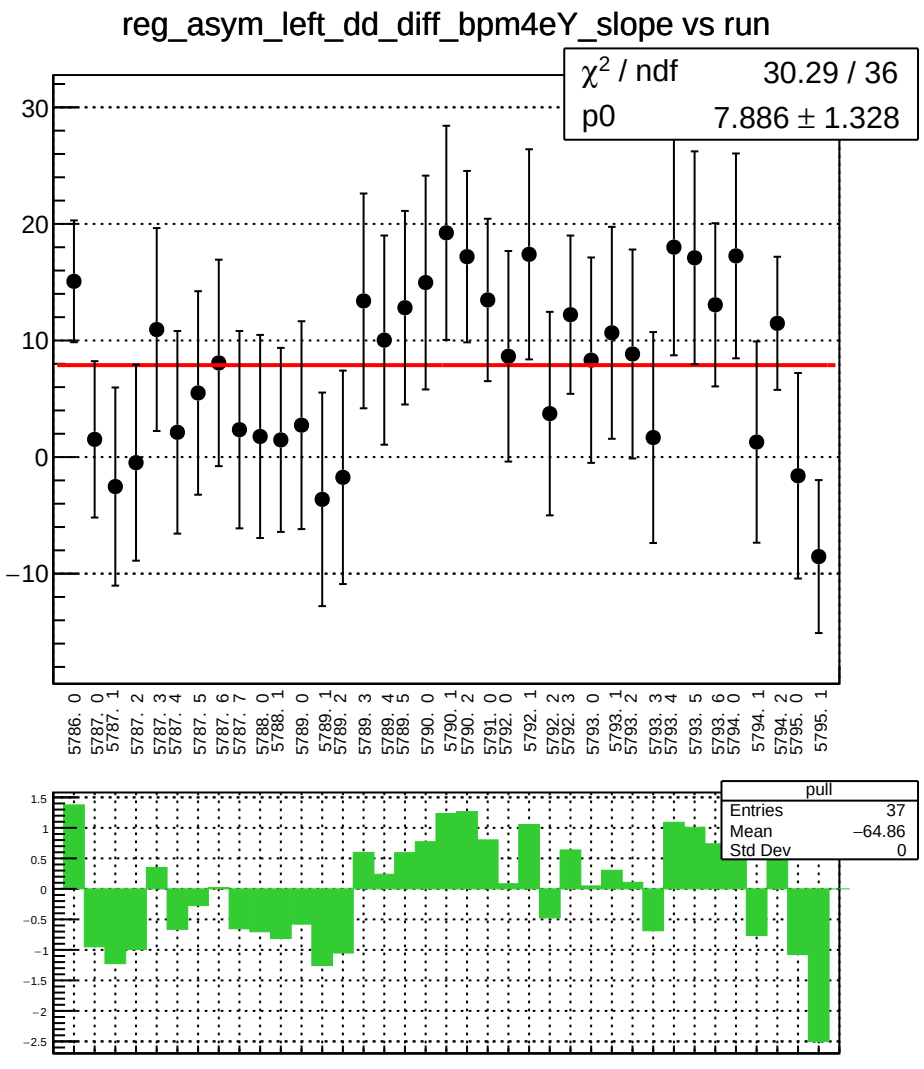

reg_asym_left_dd_diff_bpm1X_slope vs run
χ² / ndf 49.58 / 36
p0 −30.8 ± 0.7899
pull
Entries 37
Mean 11.37
Std Dev 0

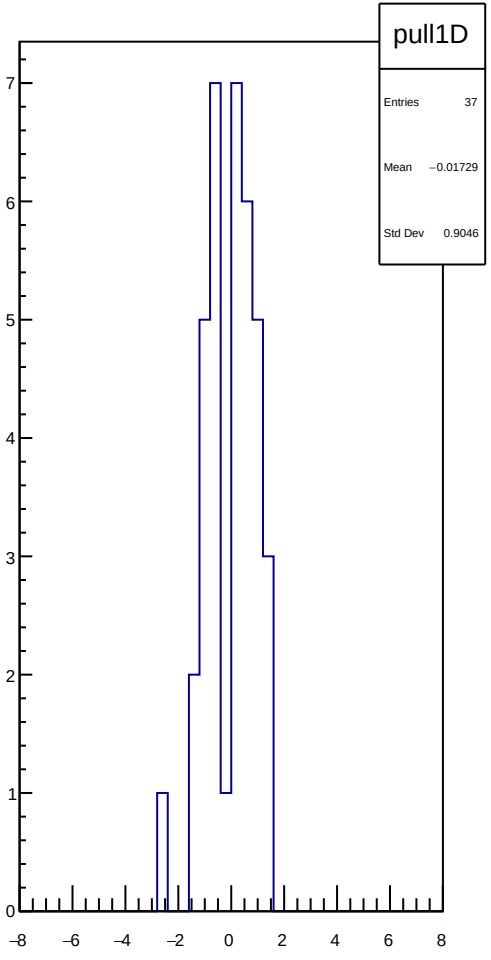

pull1D
Entries 37
Mean −0.05404
Std Dev 1.156

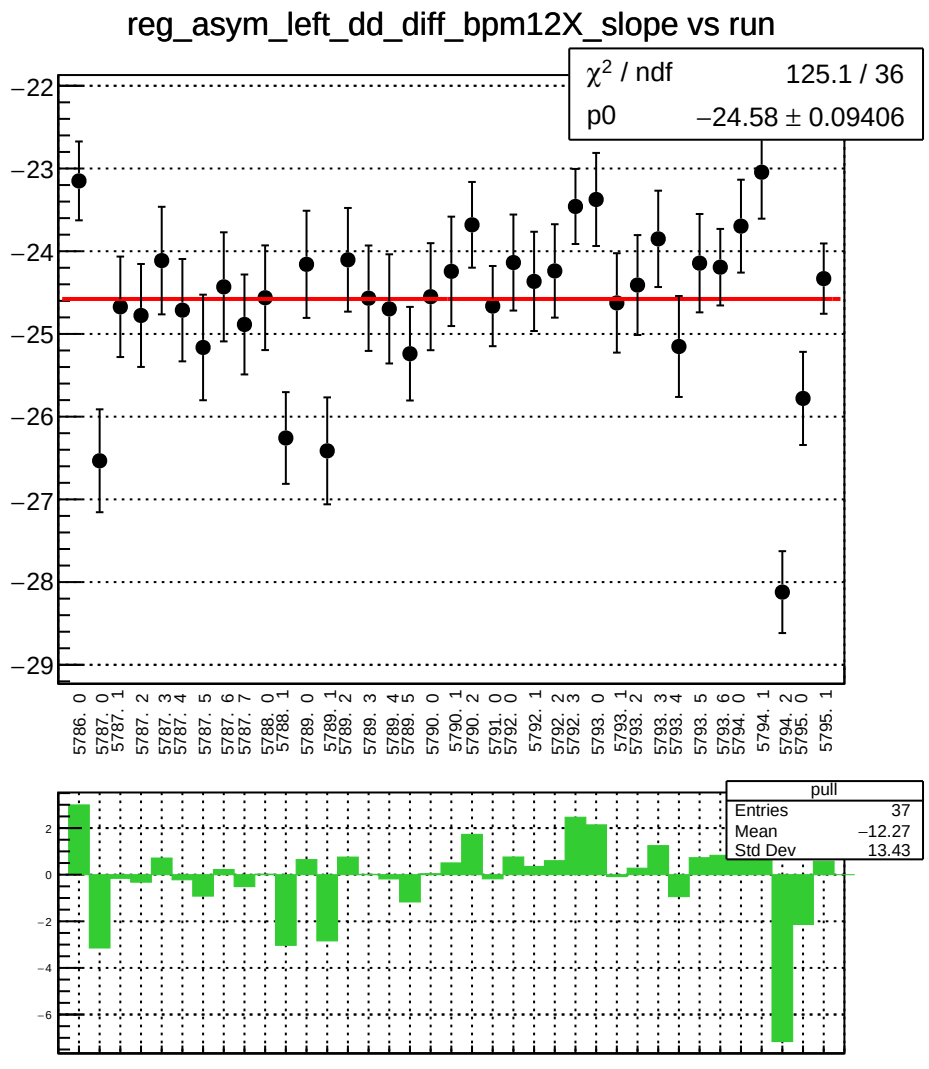

reg_asym_left_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.9 / 36
p0 2.214 ± 1.213
pull
Entries 37
Mean −59.84
Std Dev 0

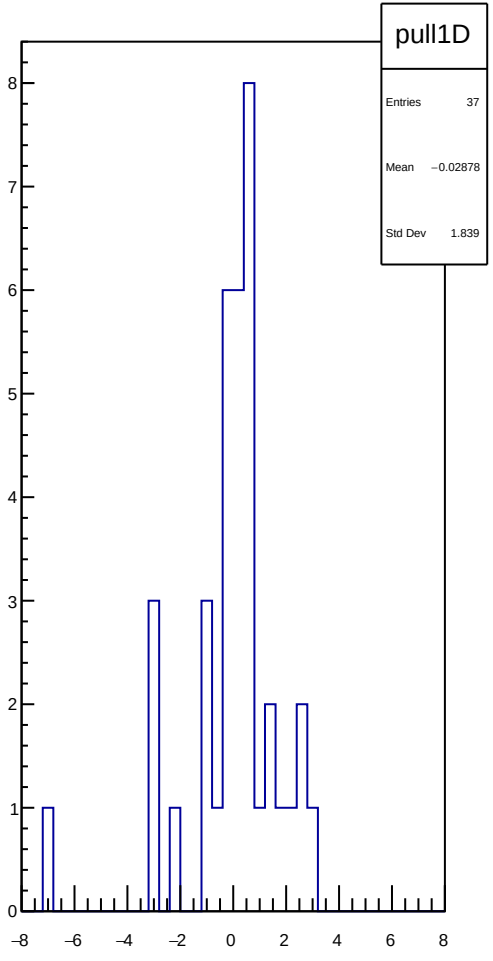

pull1D
Entries 37
Mean 0.01624
Std Dev 0.8682

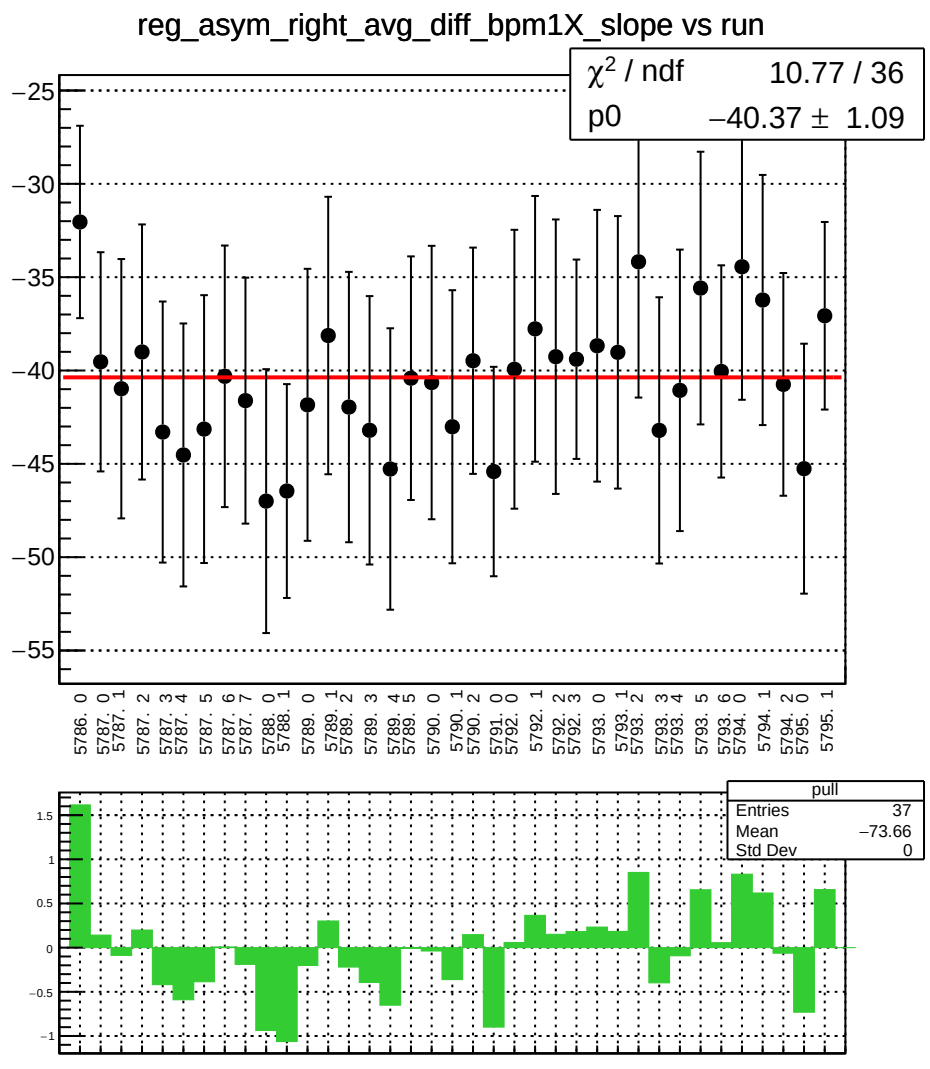

reg_asym_left_dd_diff_bpm4eX_slope vs run
χ² / ndf 58.24 / 36
p0 32.36 ± 1.133
pull
Entries 37
Mean −5.919
Std Dev 0
pull1D
Entries 37
Mean 0.05396
Std Dev 1.253

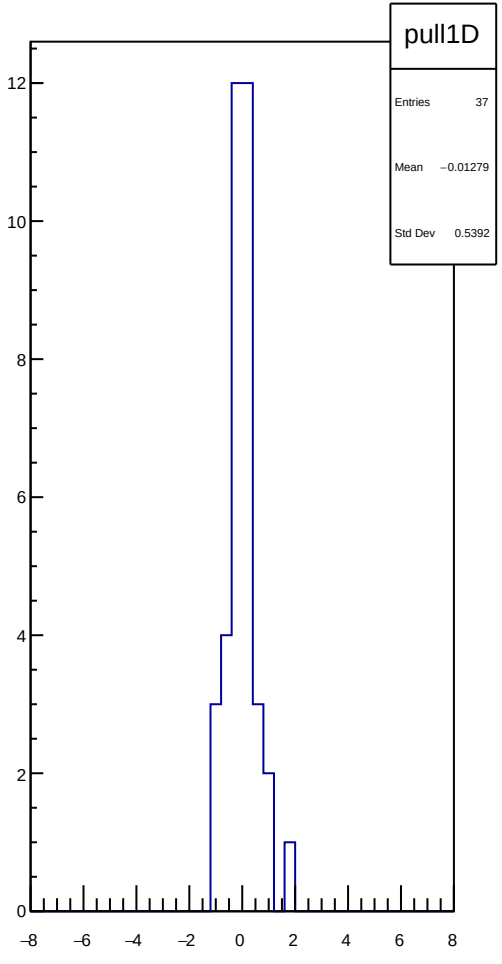

reg_asym_left_dd_diff_bpm4eY_slope vs run
χ² / ndf 30.29 / 36
p0 7.886 ± 1.328
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −64.86
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

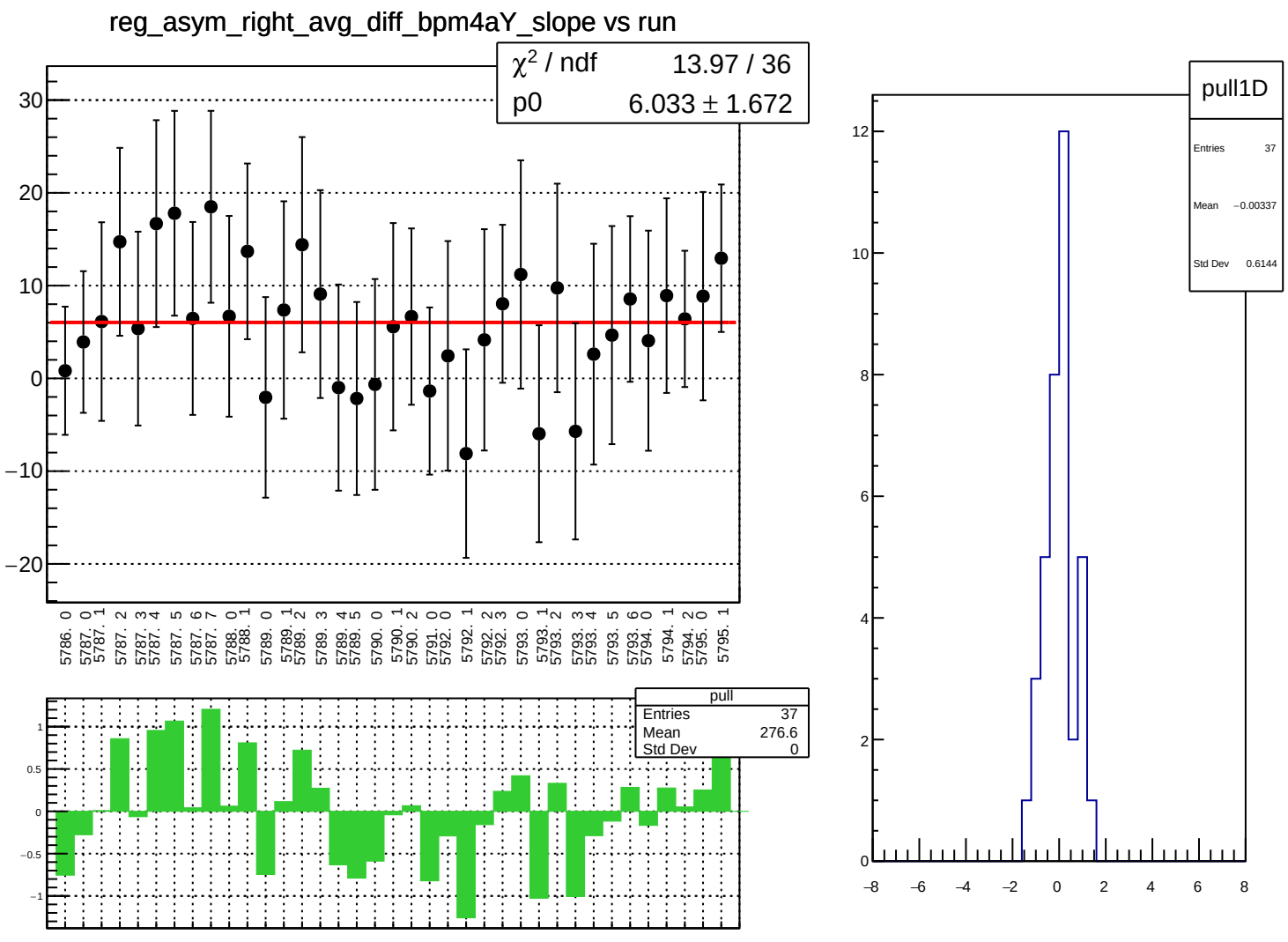

pull1D
Entries 37
Mean −0.01729
Std Dev 0.9046
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

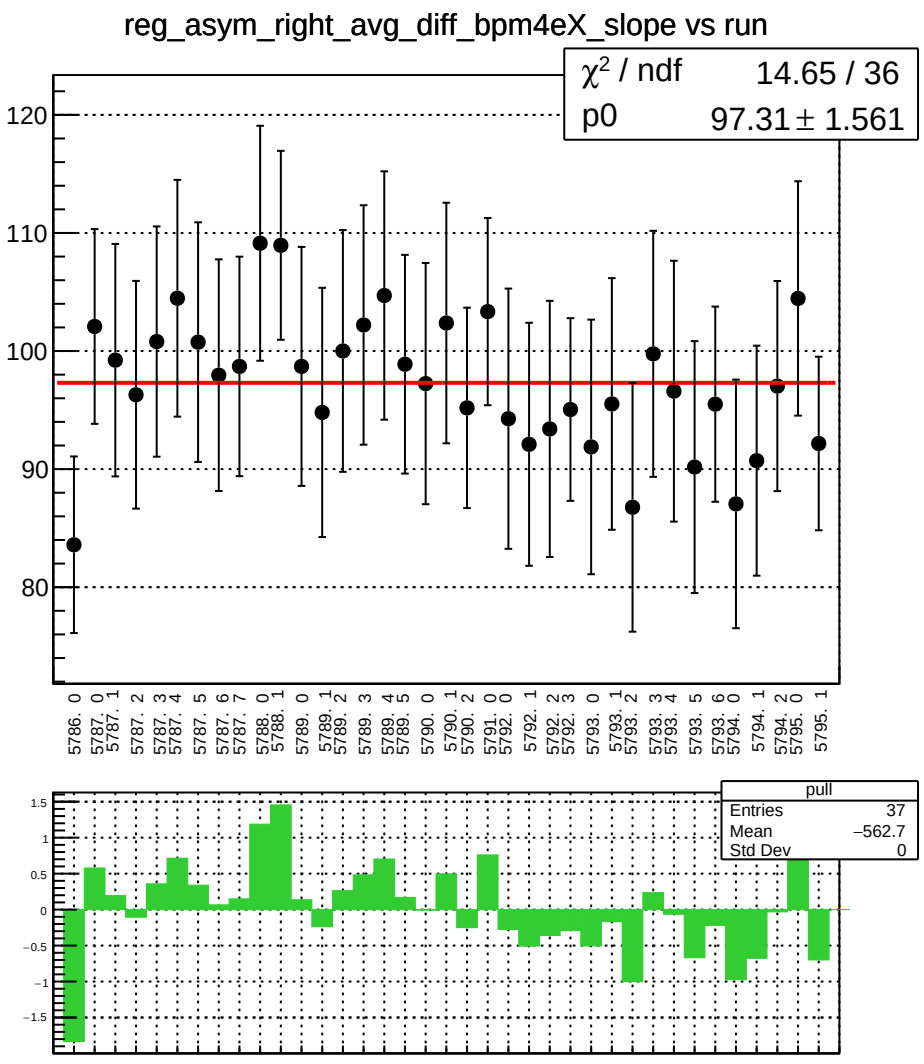

reg_asym_left_dd_diff_bpm12X_slope vs run
χ² / ndf 125.1 / 36
p0 −24.58 ± 0.09406
pull
Entries 37
Mean −12.27
Std Dev 13.43

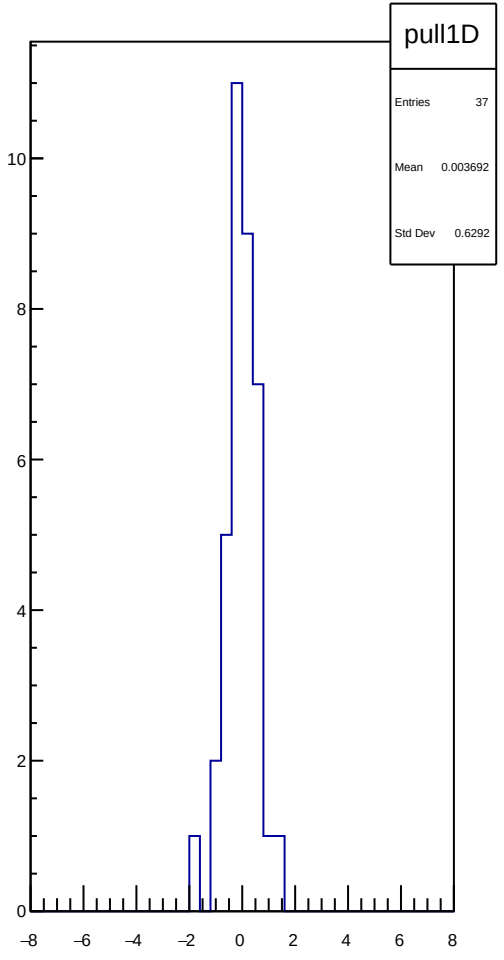

pull1D
Entries 37
Mean −0.02878
Std Dev 1.839

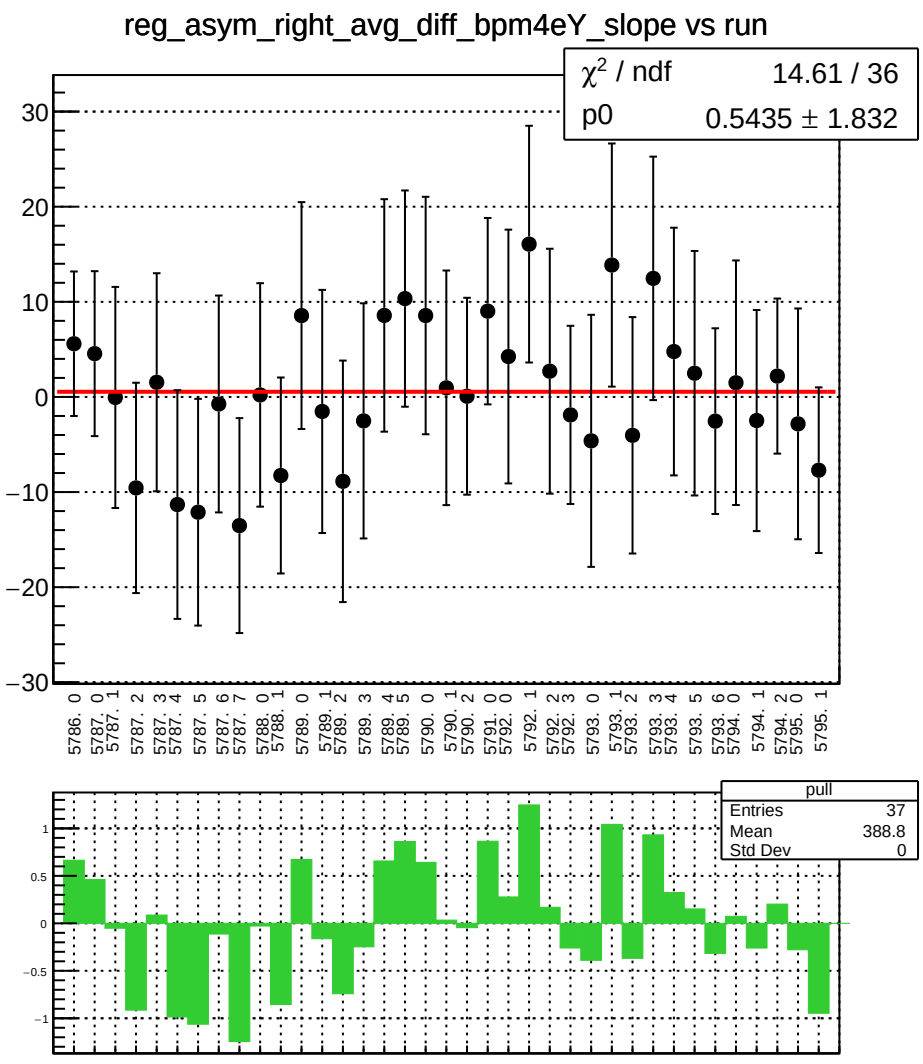

reg_asym_right_avg_diff_bpm1X_slope vs run
χ² / ndf 10.77 / 36
p0 −40.37 ± 1.09
pull
Entries 37
Mean −73.66
Std Dev 0

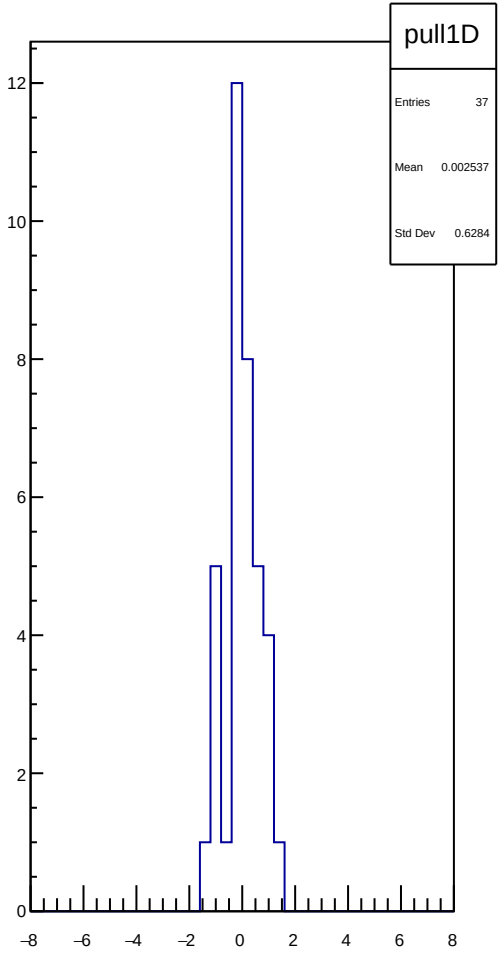

pull1D
Entries 37
Mean −0.01279
Std Dev 0.5392

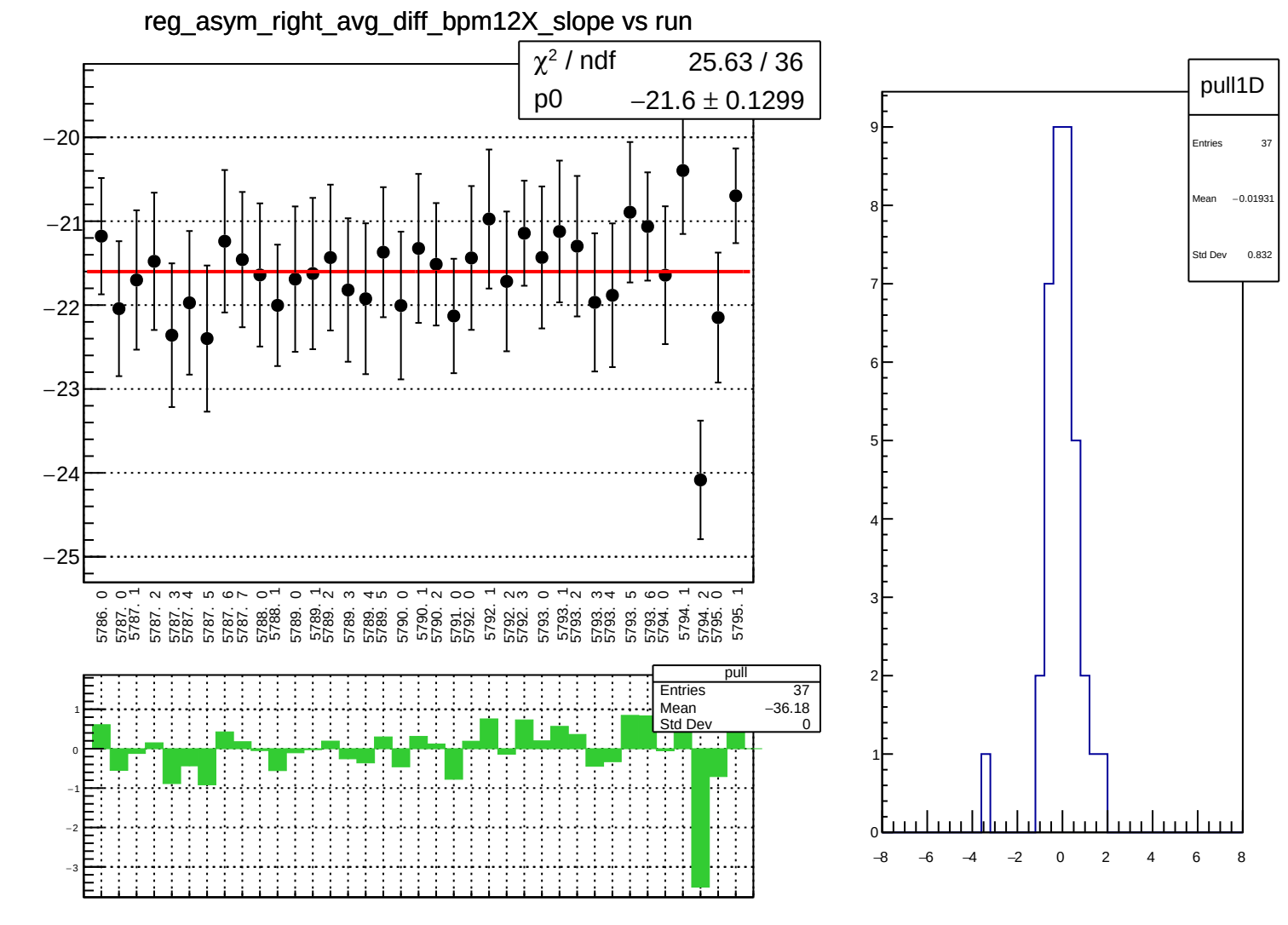

reg_asym_right_avg_diff_bpm4aY_slope vs run
χ² / ndf 13.97 / 36
p0 6.033 ± 1.672
pull
Entries 37
Mean 276.6
Std Dev 0
pull1D
Entries 37
Mean −0.00337
Std Dev 0.6144

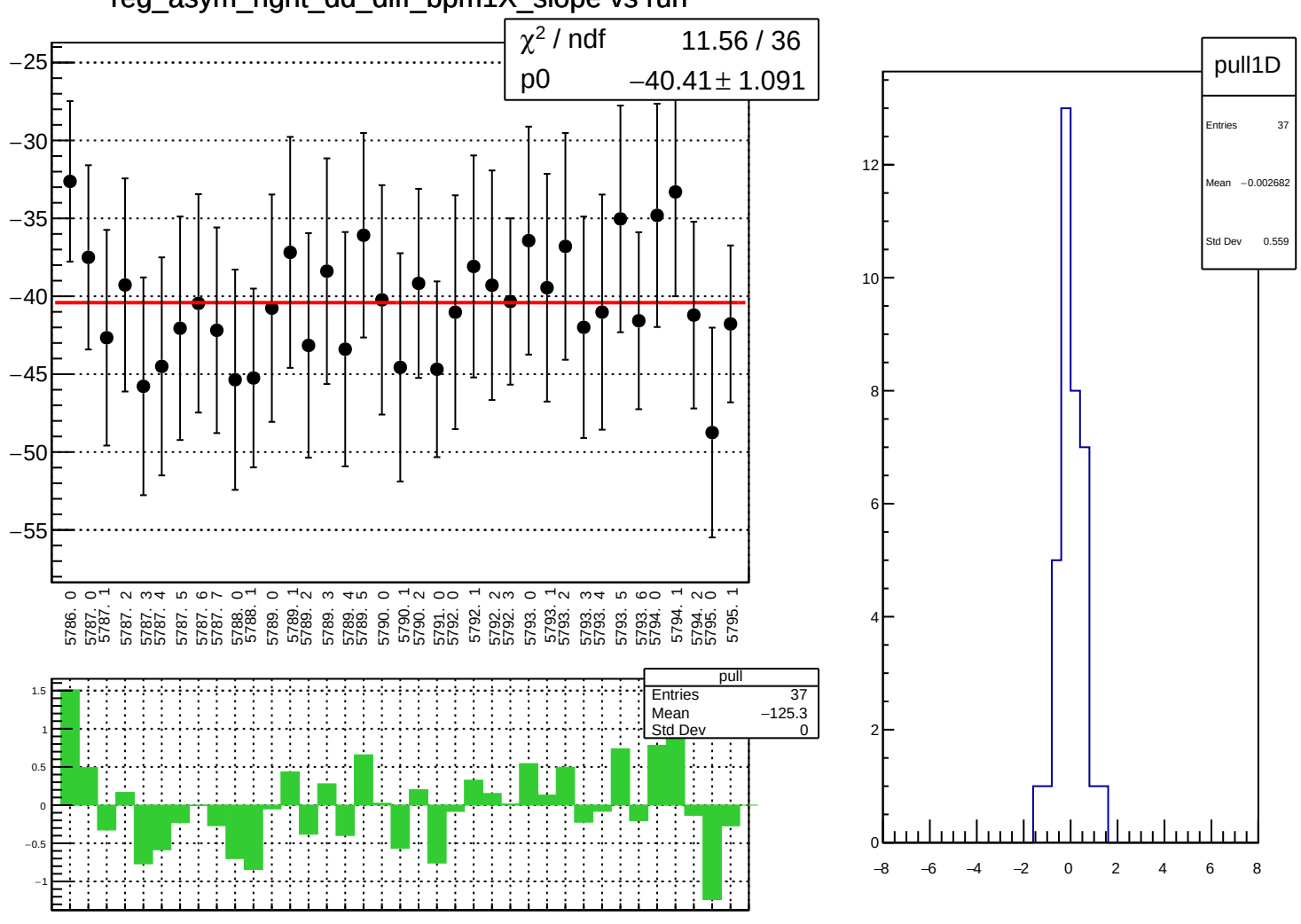

reg_asym_right_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.65 / 36
p0 97.31 ± 1.561
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −562.7
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

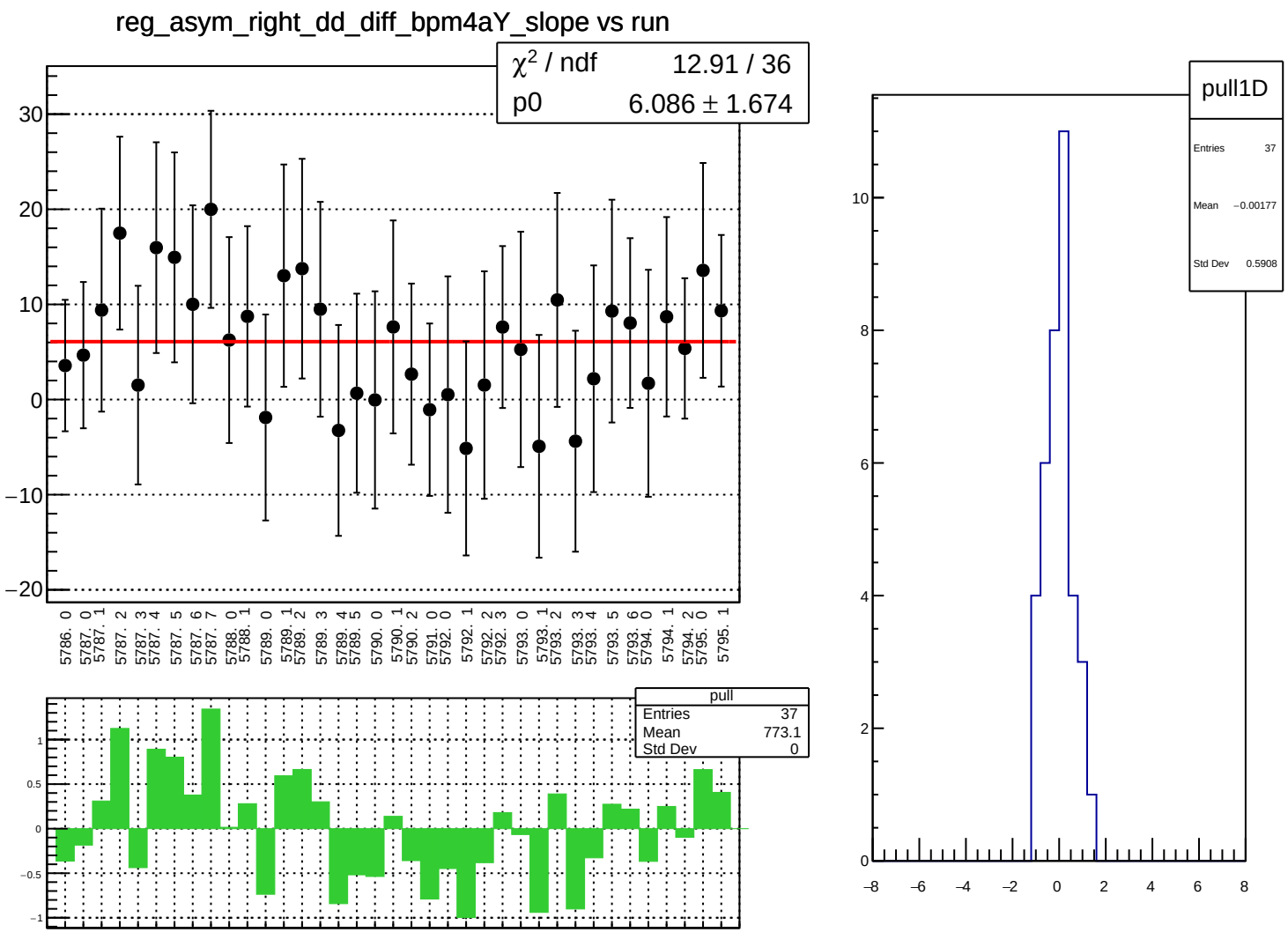

pull1D
Entries 37
Mean 0.003692
Std Dev 0.6292
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

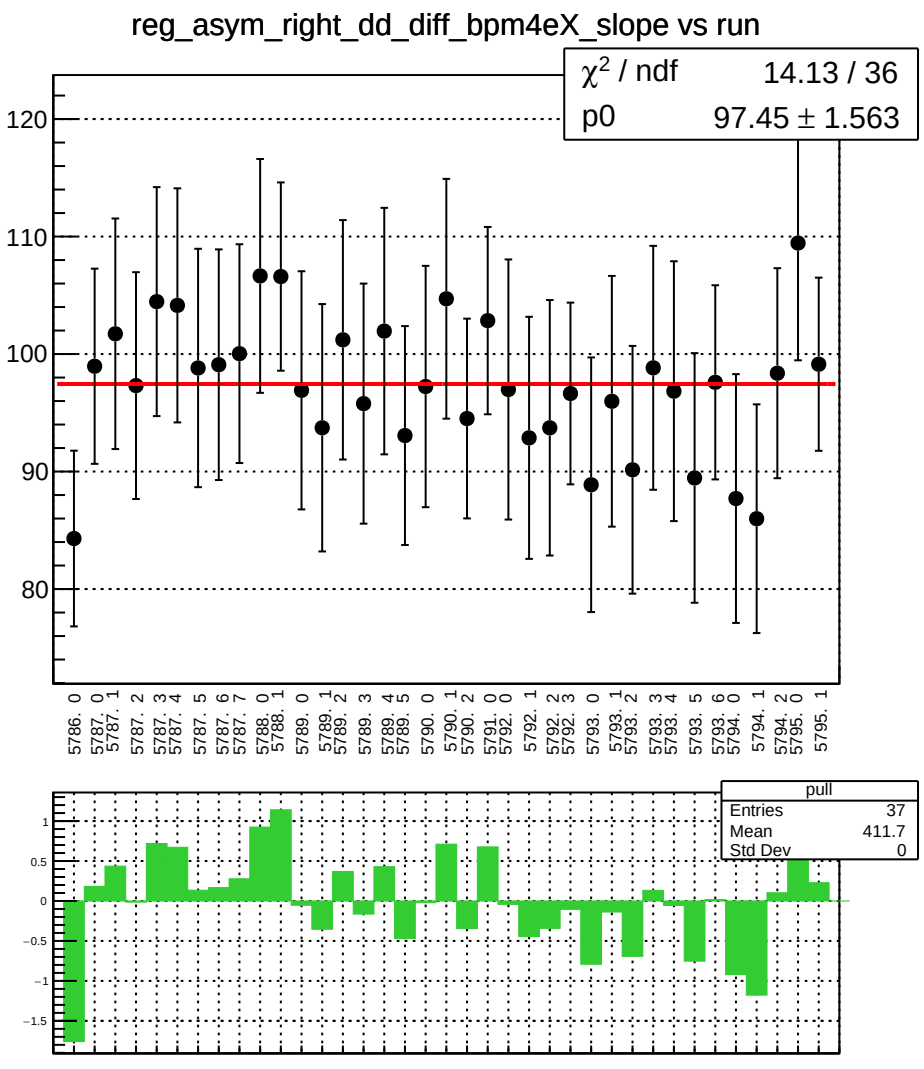

reg_asym_right_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.61 / 36
p0 0.5435 ± 1.832
pull
Entries 37
Mean 388.8
Std Dev 0

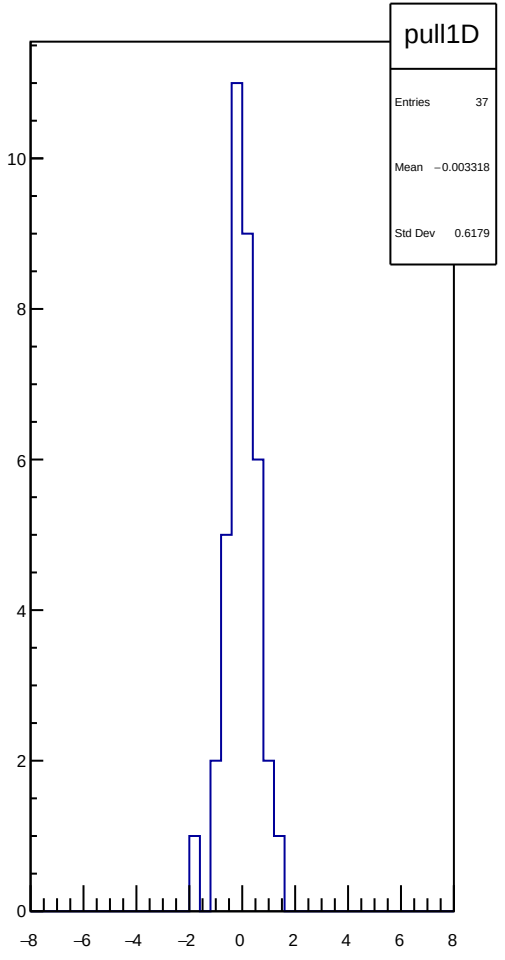

pull1D
Entries 37
Mean 0.002537
Std Dev 0.6284

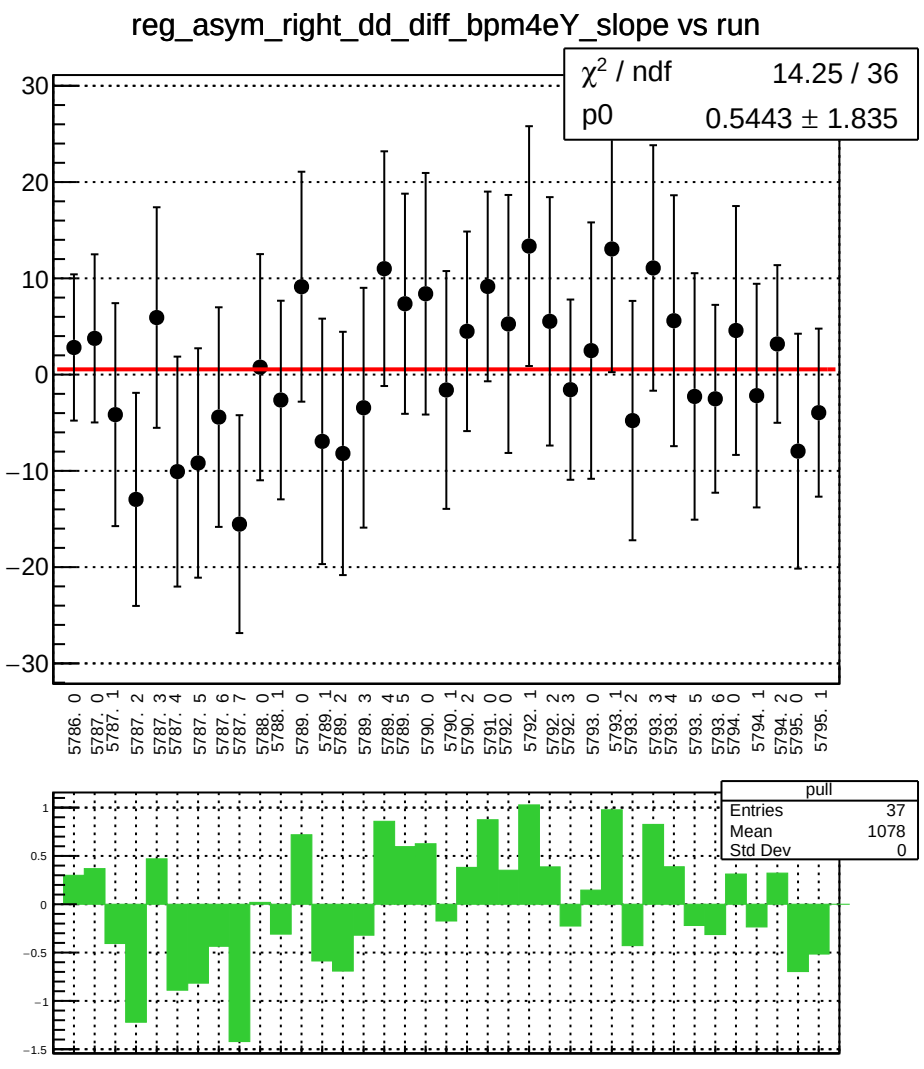

reg_asym_right_avg_diff_bpm12X_slope vs run
χ² / ndf 25.63 / 36
p0 −21.6 ± 0.1299
−20
−21
−22
−23
−24
−25
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −36.18
Std Dev 0
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.01931
Std Dev 0.832
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

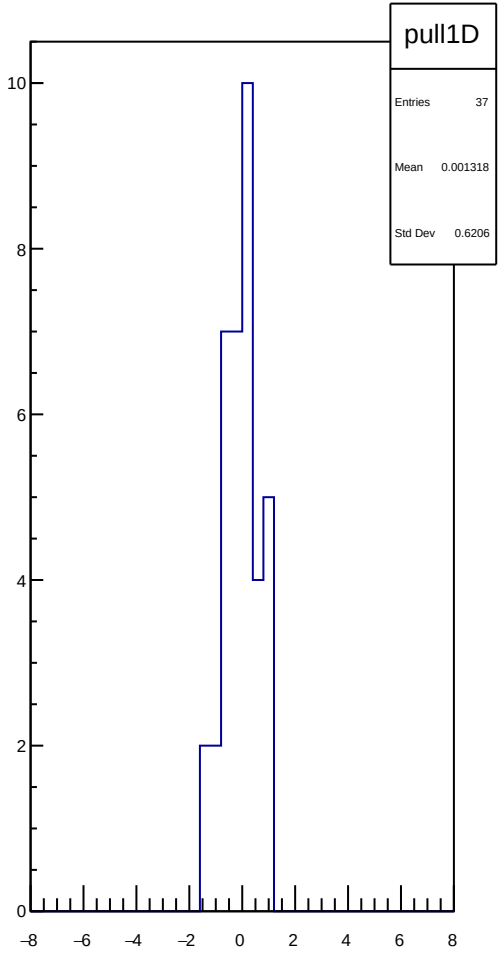

reg_asym_right_dd_diff_bpm1X_slope vs run
χ² / ndf 11.56 / 36
p0 −40.41 ± 1.091
pull
Entries 37
Mean −125.3
Std Dev 0
pull1D
Entries 37
Mean −0.002682
Std Dev 0.559

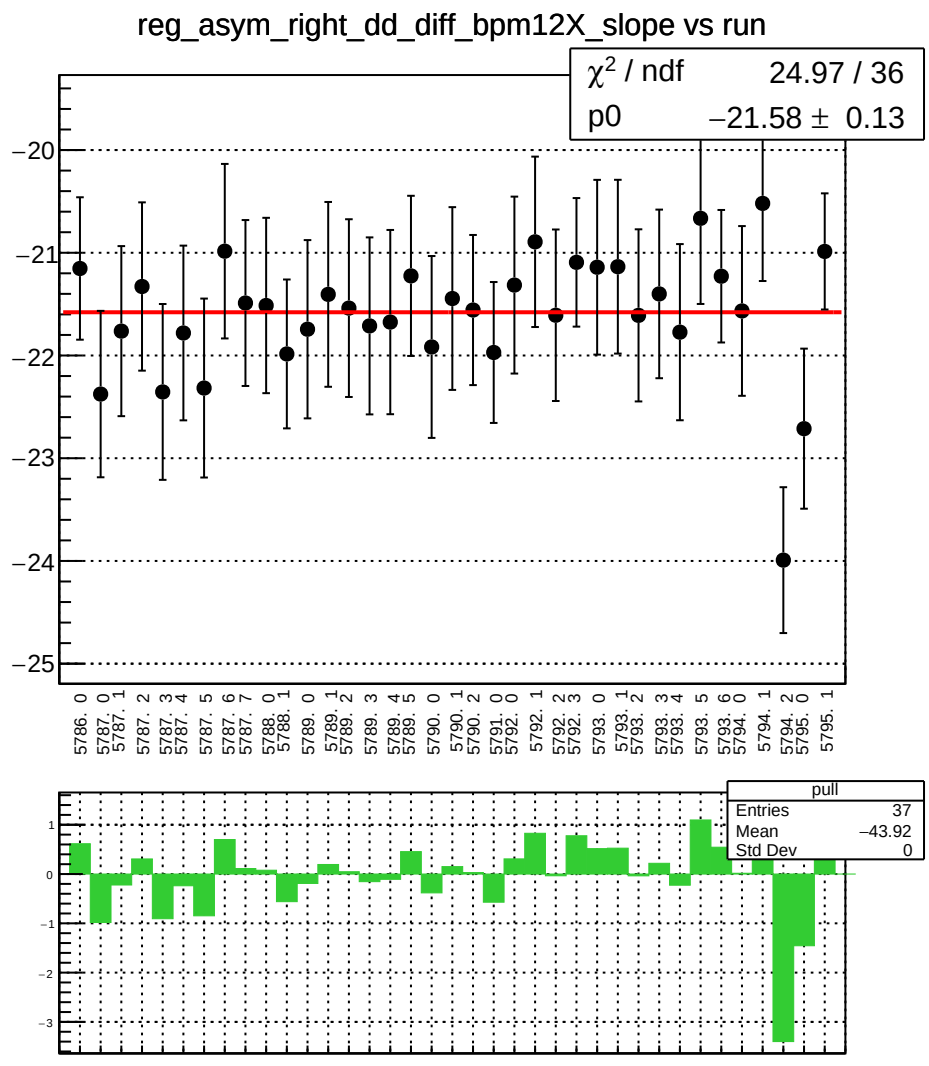

reg_asym_right_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.91 / 36
p0 6.086 ± 1.674
30
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 773.1
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.00177
Std Dev 0.5908
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

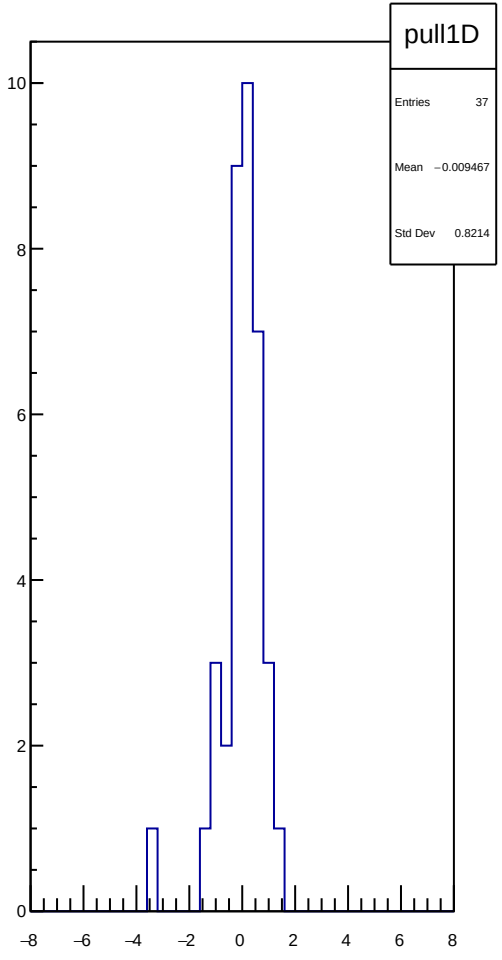

reg_asym_right_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.13 / 36
p0 97.45 ± 1.563
120
110
100
90
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 411.7
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

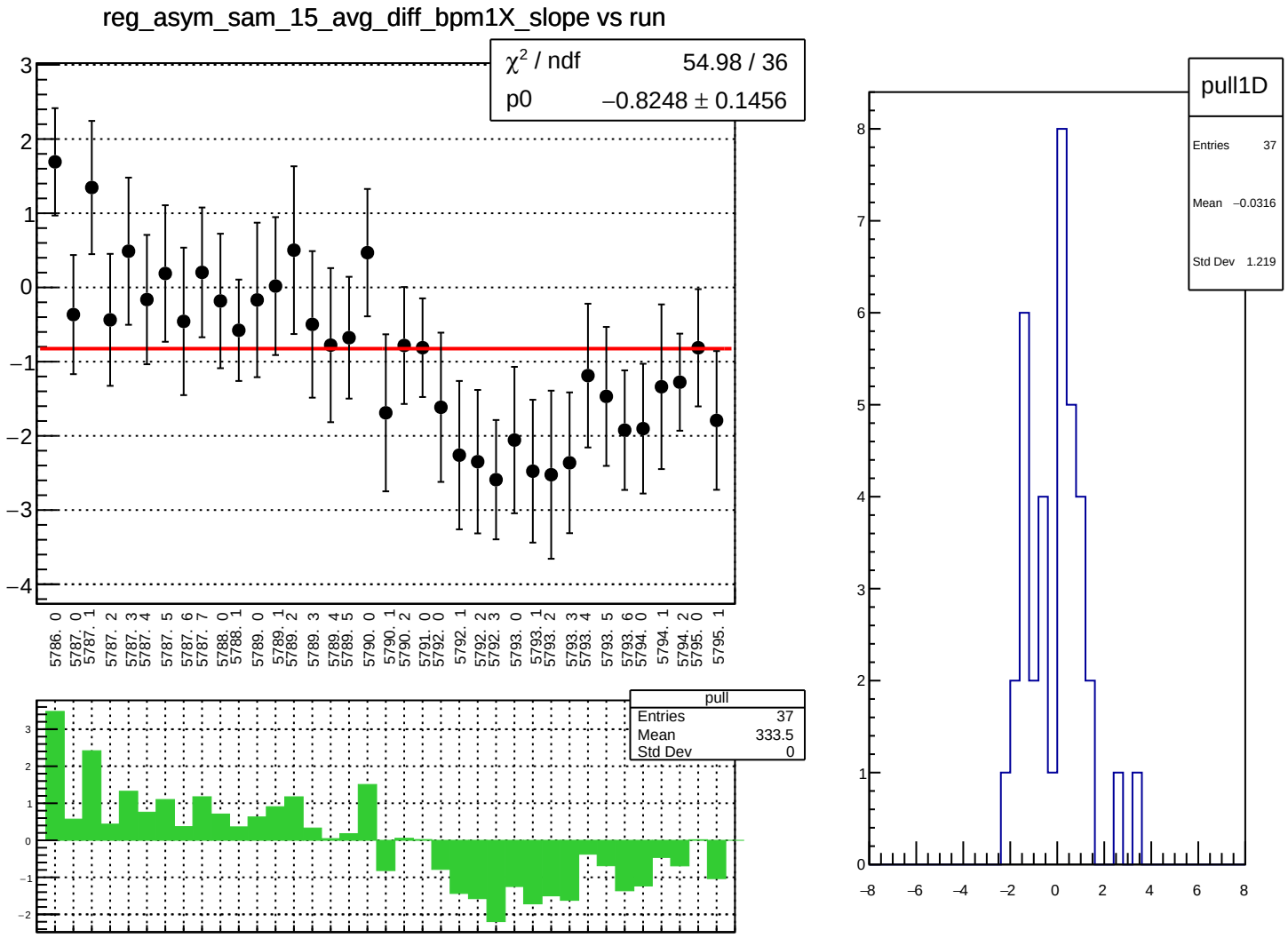

pull1D
Entries 37
Mean −0.003318
Std Dev 0.6179
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

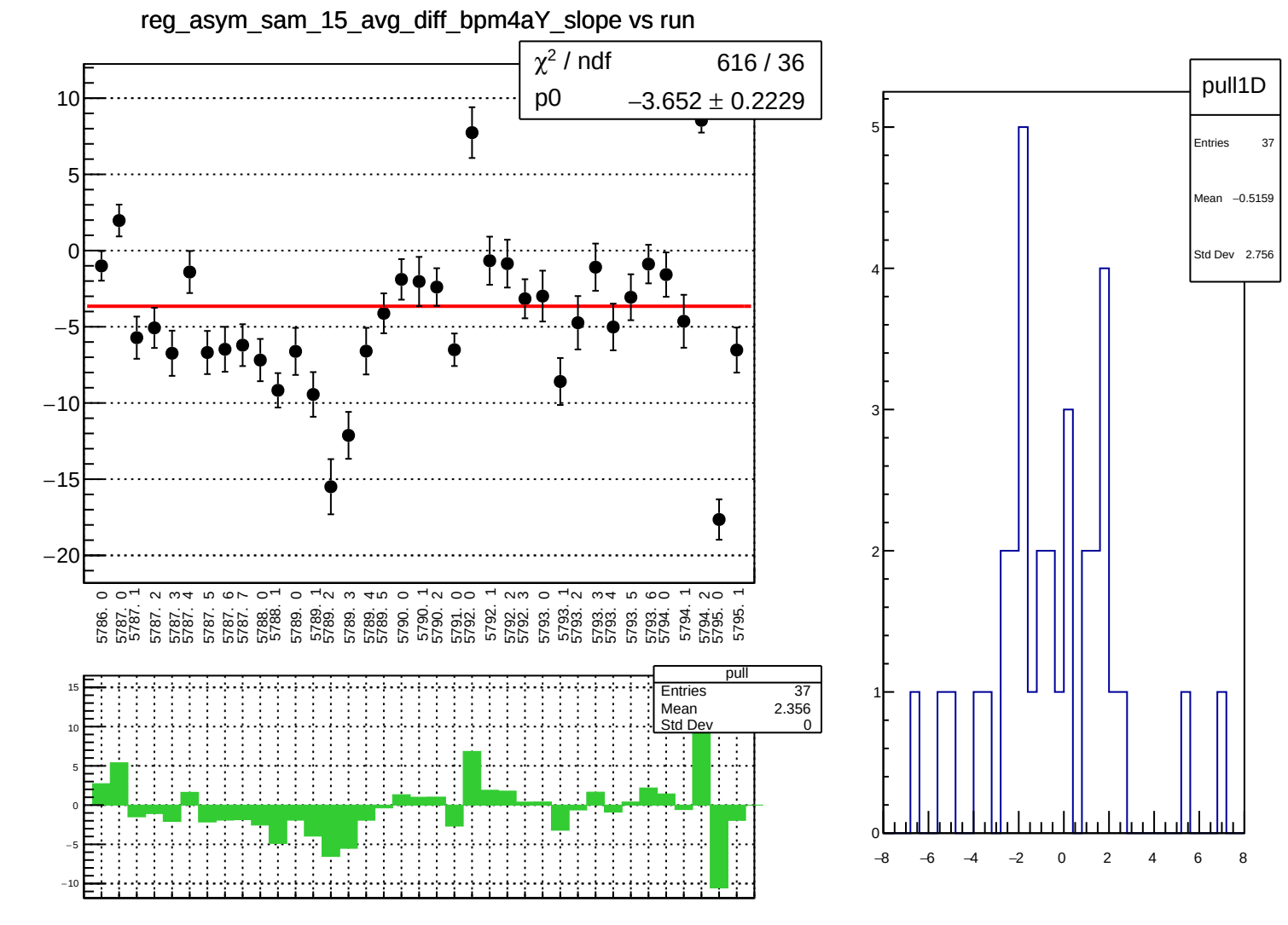

reg_asym_right_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.25 / 36
p0 0.5443 ± 1.835
pull
Entries 37
Mean 1078
Std Dev 0

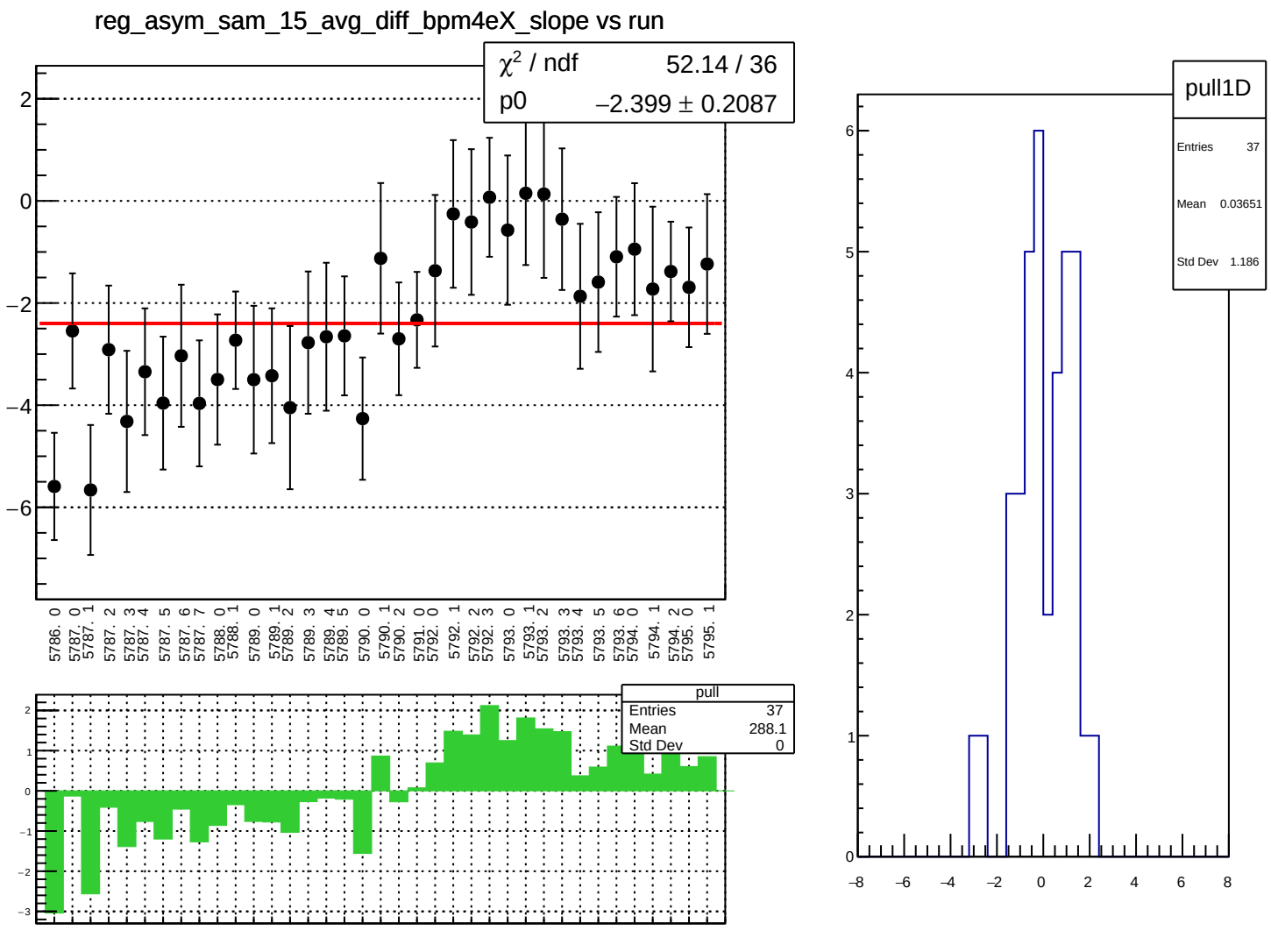

pull1D
Entries 37
Mean 0.001318
Std Dev 0.6206

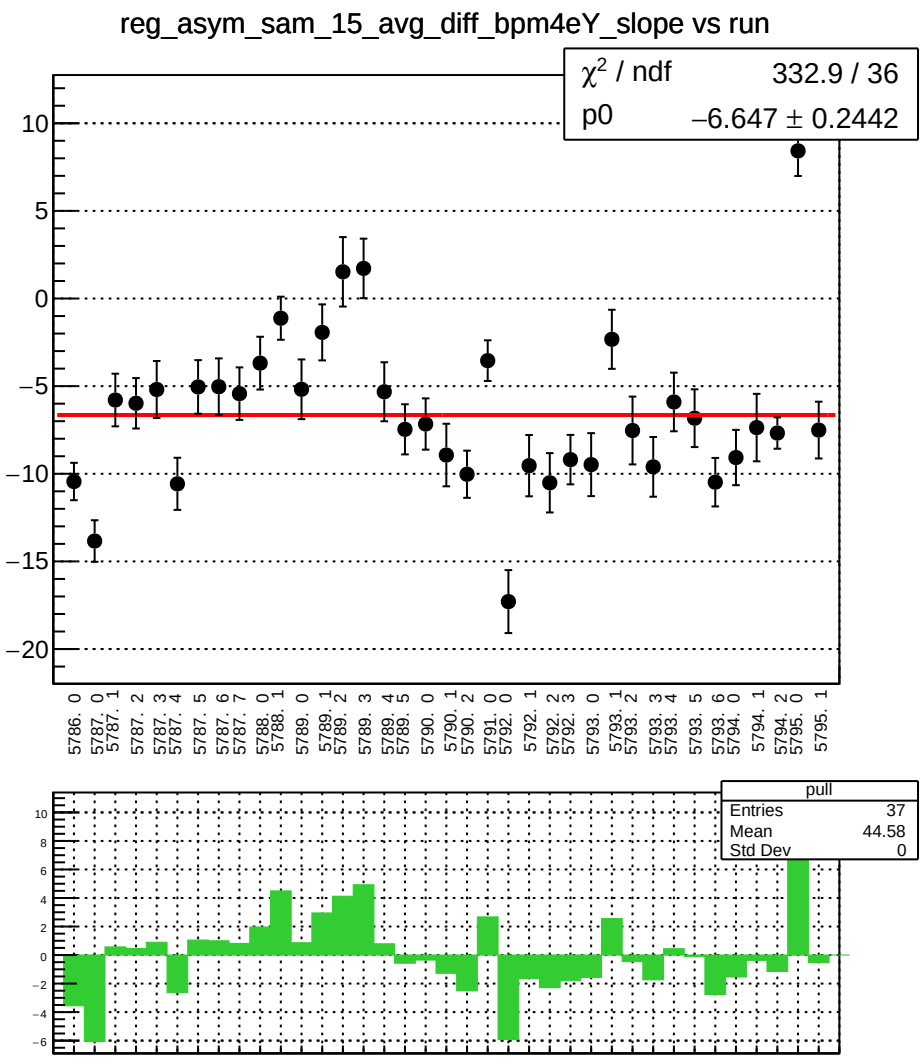

reg_asym_right_dd_diff_bpm12X_slope vs run
χ² / ndf 24.97 / 36
p0 −21.58 ± 0.13
pull
Entries 37
Mean −43.92
Std Dev 0

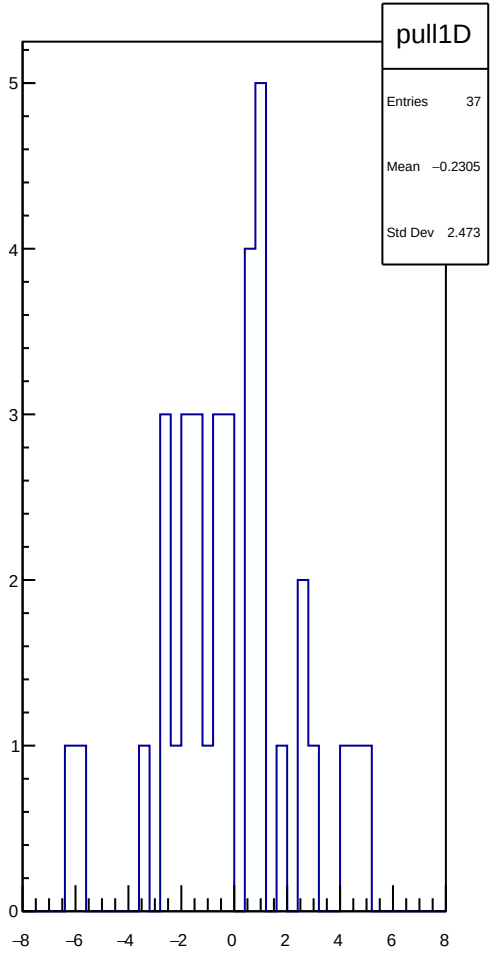

pull1D
Entries 37
Mean −0.009467
Std Dev 0.8214

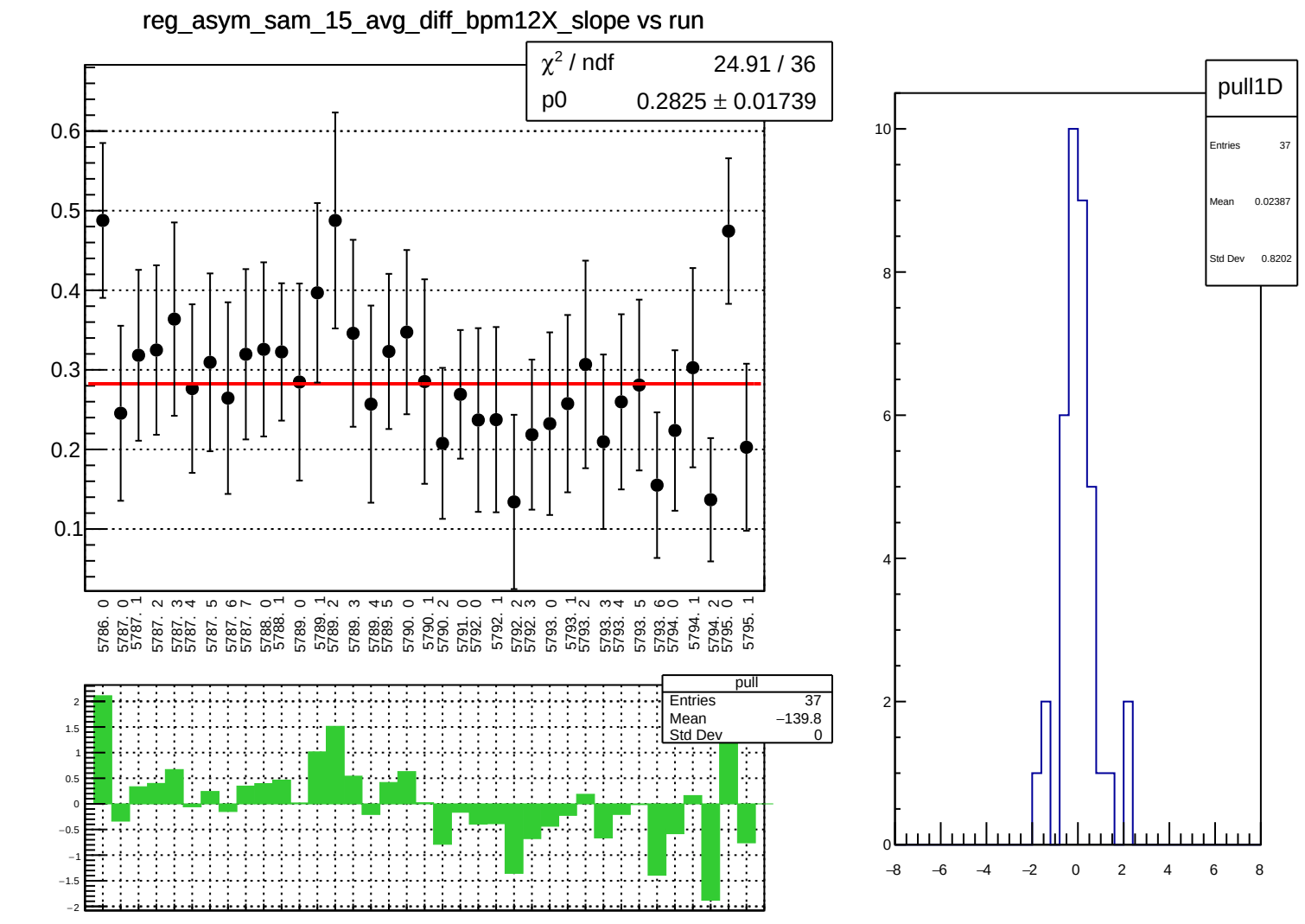

reg_asym_sam_15_avg_diff_bpm1X_slope vs run
χ² / ndf 54.98 / 36
p0 −0.8248 ± 0.1456
pull
Entries 37
Mean 333.5
Std Dev 0
pull1D
Entries 37
Mean −0.0316
Std Dev 1.219

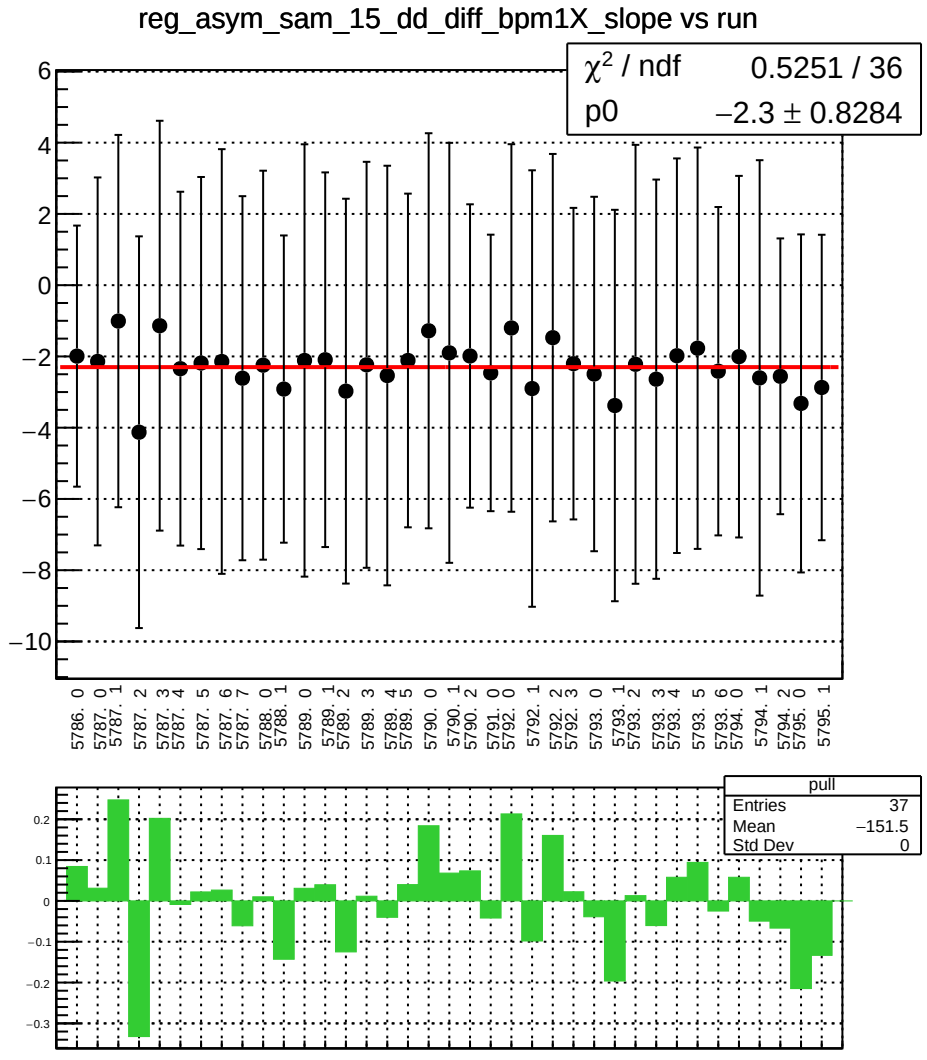

reg_asym_sam_15_avg_diff_bpm4aY_slope vs run
χ² / ndf 616 / 36
p0 −3.652 ± 0.2229
pull
Entries 37
Mean 2.356
Std Dev 0
pull1D
Entries 37
Mean −0.5159
Std Dev 2.756

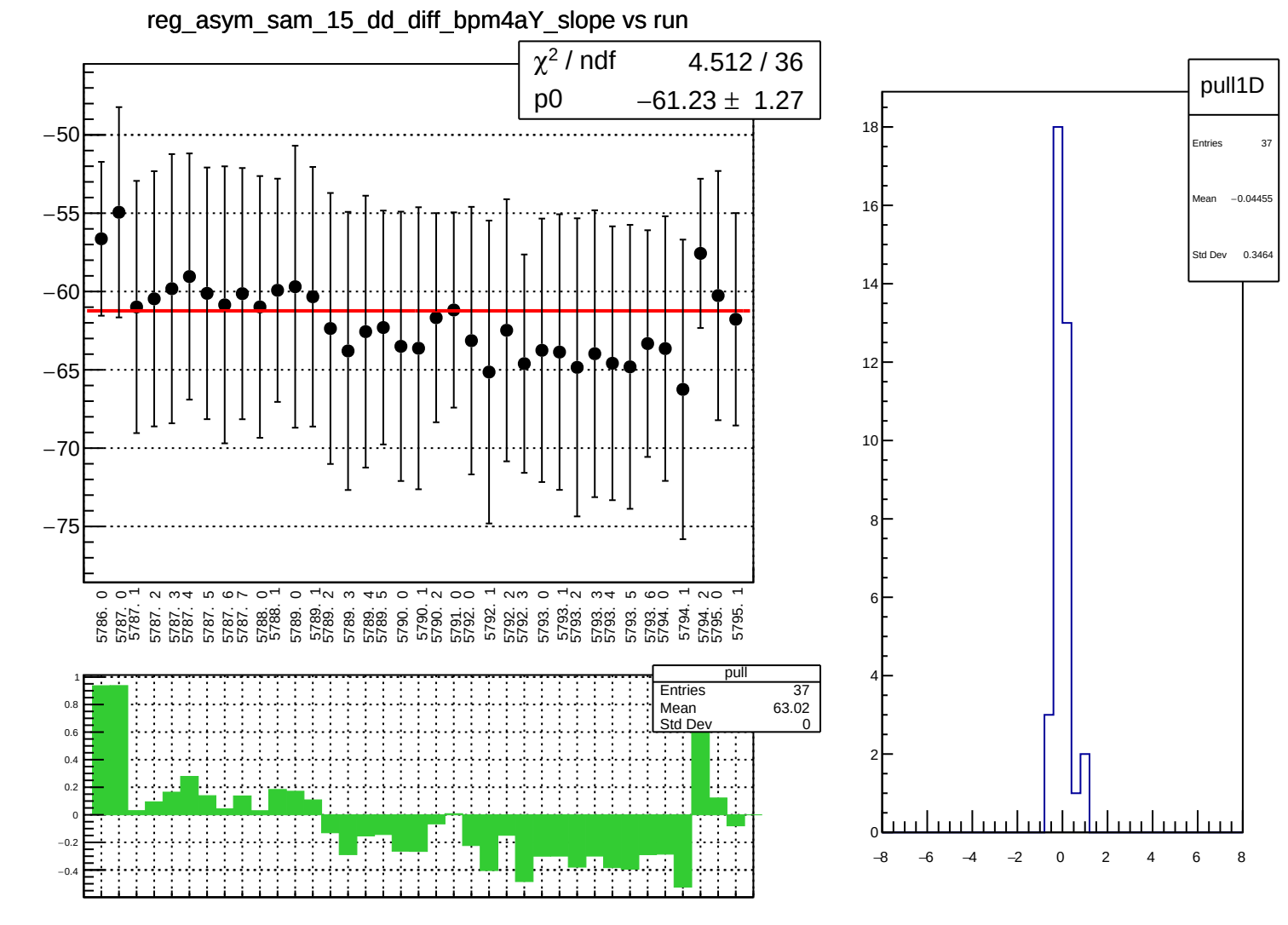

reg_asym_sam_15_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.14 / 36
p0 −2.399 ± 0.2087
pull
Entries 37
Mean 288.1
Std Dev 0
pull1D
Entries 37
Mean 0.03651
Std Dev 1.186

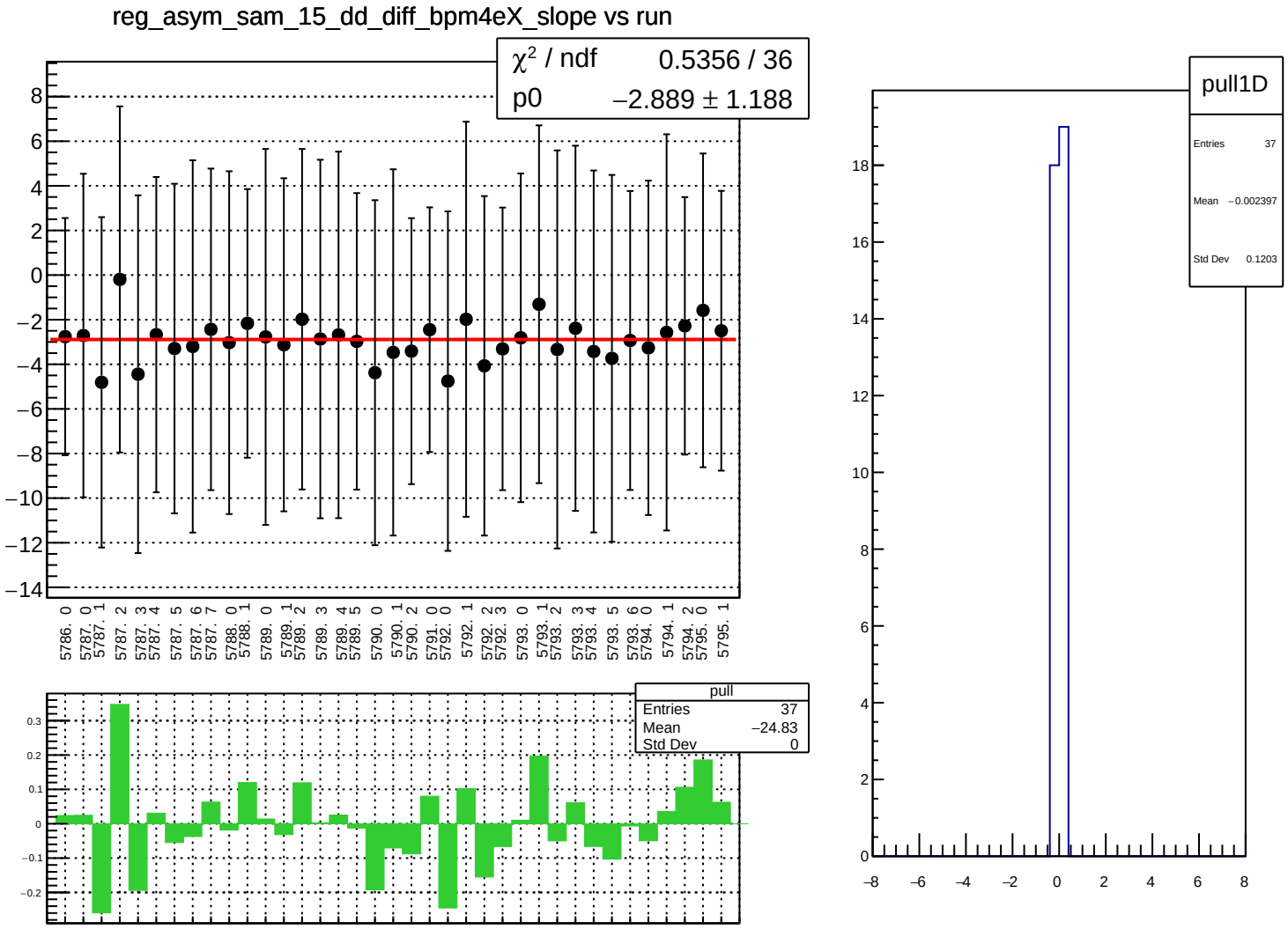

reg_asym_sam_15_avg_diff_bpm4eY_slope vs run
χ² / ndf 332.9 / 36
p0 −6.647 ± 0.2442
pull
Entries 37
Mean 44.58
Std Dev 0

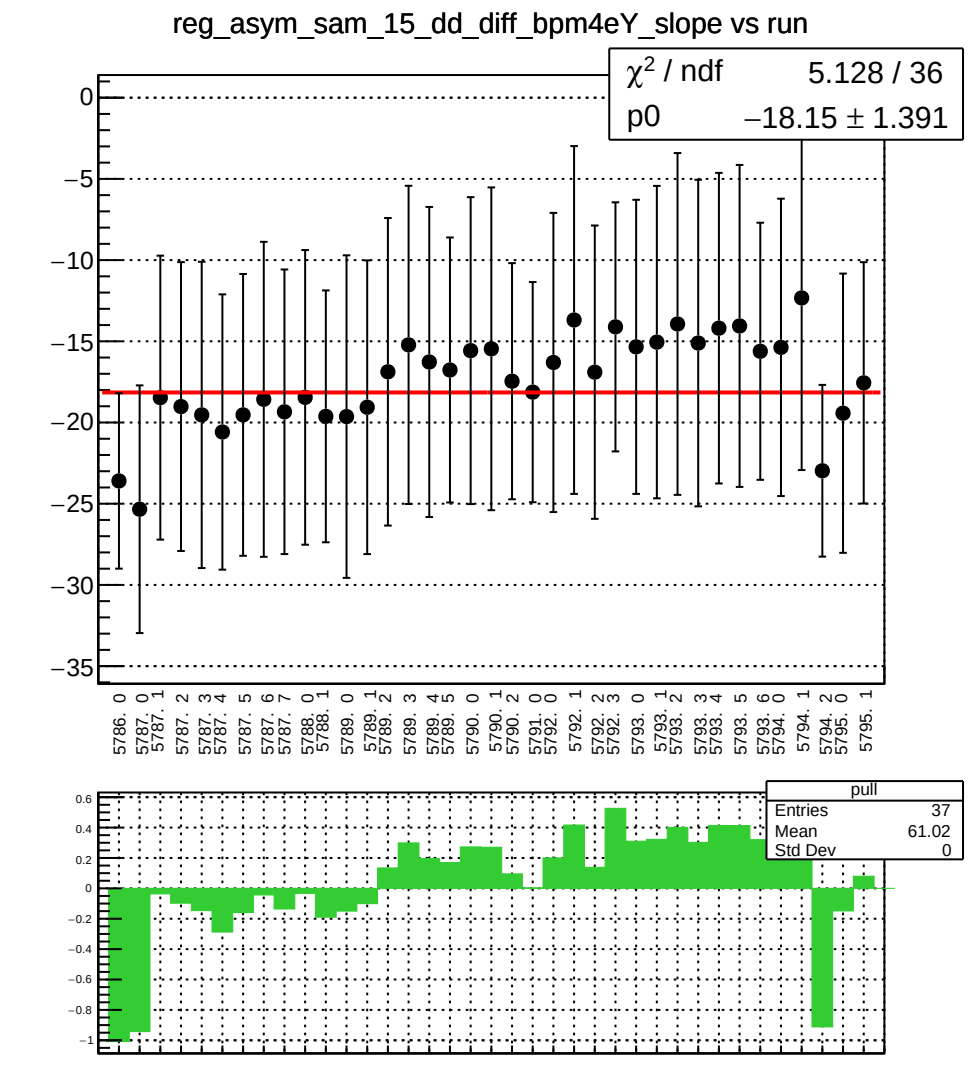

pull1D
Entries 37
Mean −0.2305
Std Dev 2.473

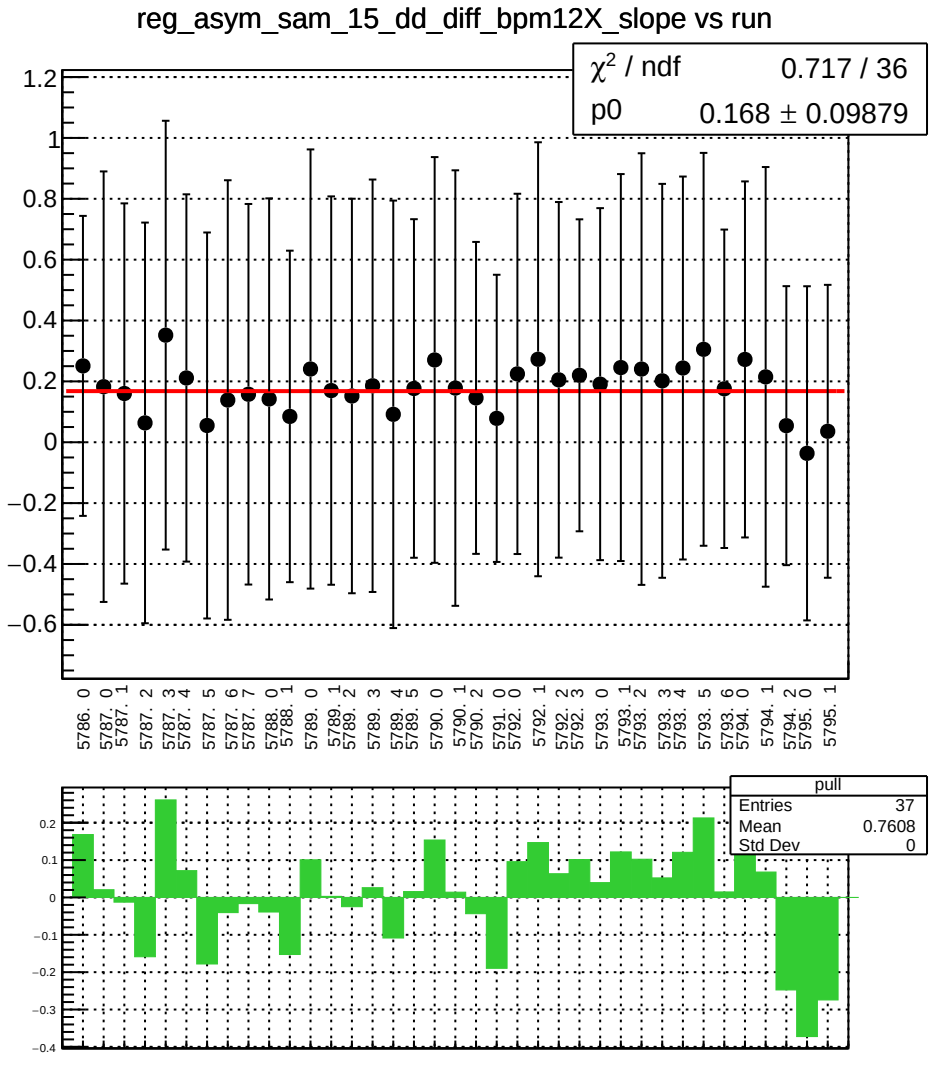

reg_asym_sam_15_avg_diff_bpm12X_slope vs run
χ² / ndf 24.91 / 36
p0 0.2825 ± 0.01739
pull
Entries 37
Mean −139.8
Std Dev 0
pull1D
Entries 37
Mean 0.02387
Std Dev 0.8202

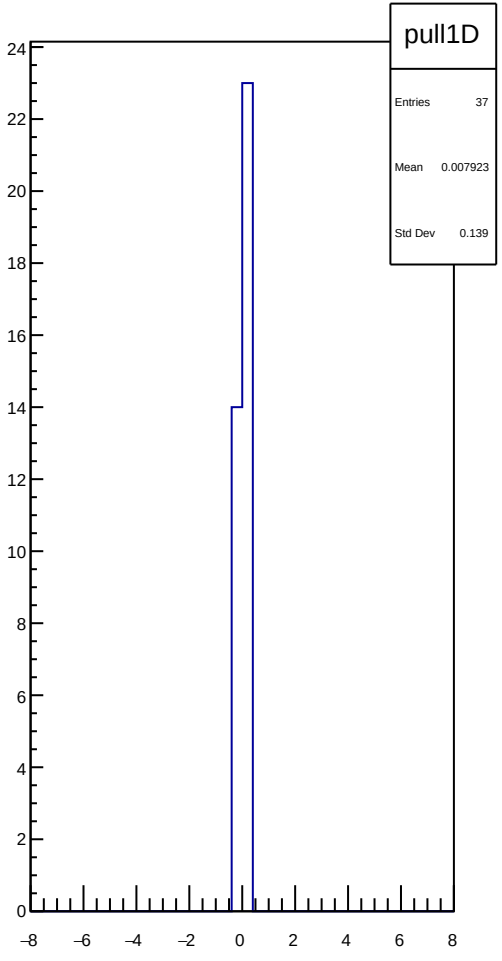

reg_asym_sam_15_dd_diff_bpm1X_slope vs run
χ² / ndf 0.5251 / 36
p0 −2.3 ± 0.8284
pull
Entries 37
Mean −151.5
Std Dev 0
pull1D
Entries 37
Mean 0.001495
Std Dev 0.1191

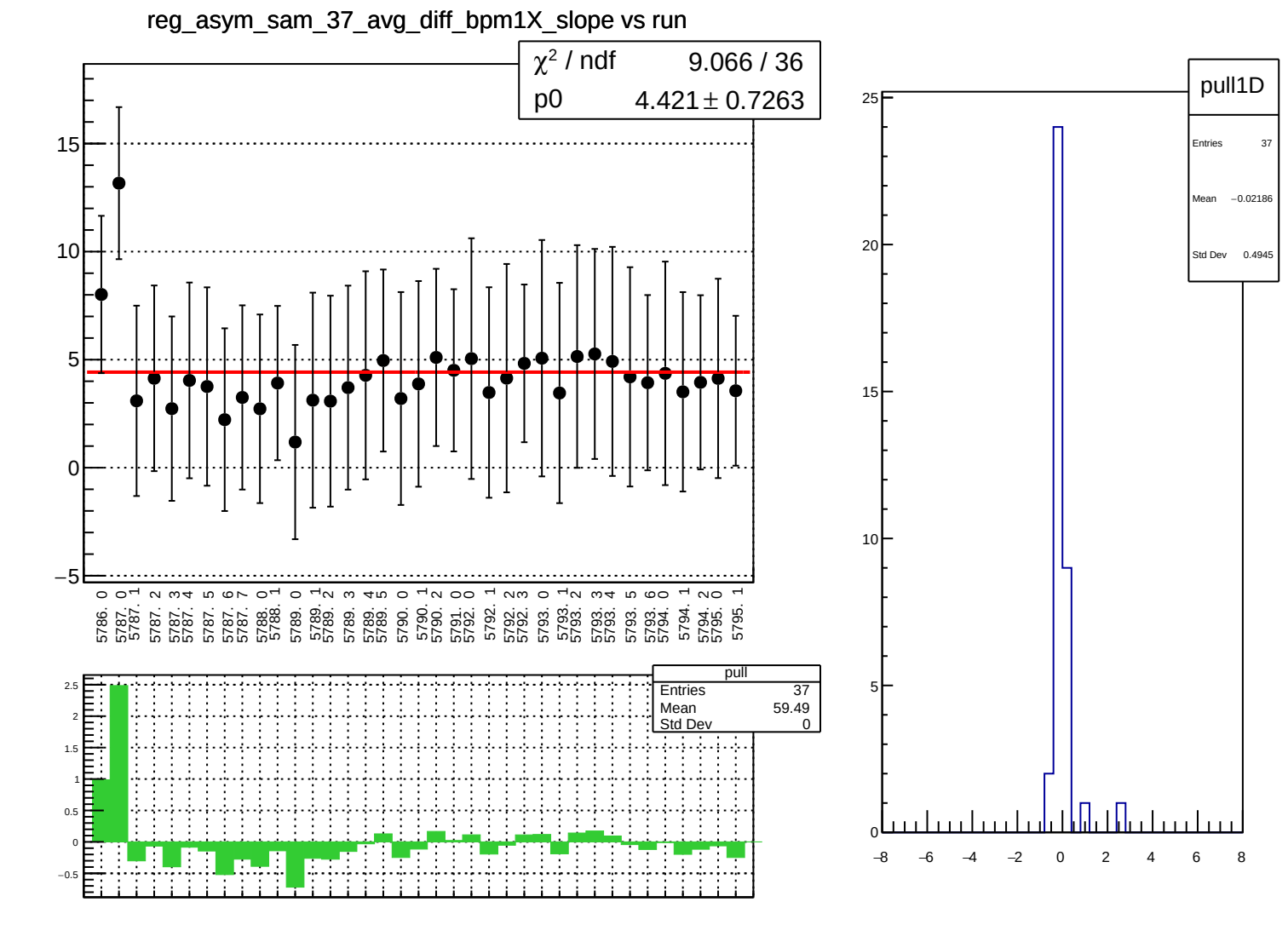

reg_asym_sam_15_dd_diff_bpm4aY_slope vs run
χ² / ndf 4.512 / 36
p0 −61.23 ± 1.27
−50
−55
−60
−65
−70
−75
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 63.02
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.04455
Std Dev 0.3464
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_15_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.5356 / 36
p0 −2.889 ± 1.188
pull
Entries 37
Mean −24.83
Std Dev 0
pull1D
Entries 37
Mean −0.002397
Std Dev 0.1203

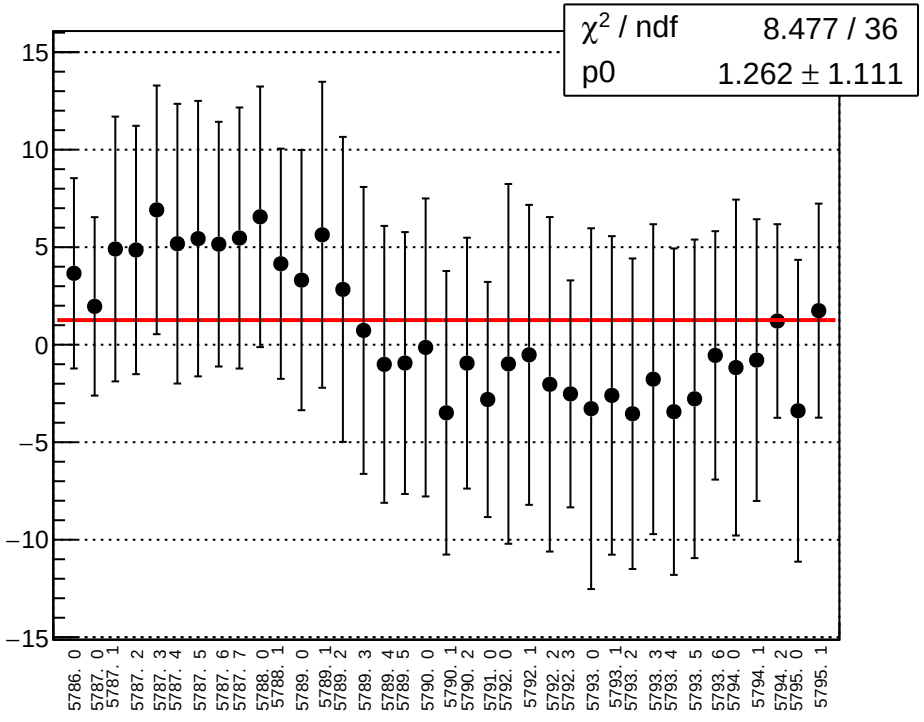

reg_asym_sam_15_dd_diff_bpm4eY_slope vs run
χ² / ndf 5.128 / 36
p0 −18.15 ± 1.391
0
−5
−10
−15
−20
−25
−30
−35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 61.02
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.0472
Std Dev 0.3693
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

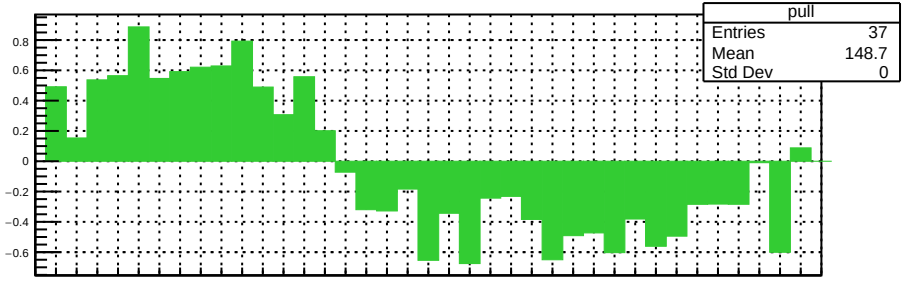

reg_asym_sam_15_dd_diff_bpm12X_slope vs run
χ² / ndf 0.717 / 36
p0 0.168 ± 0.09879
pull
Entries 37
Mean 0.7608
Std Dev 0

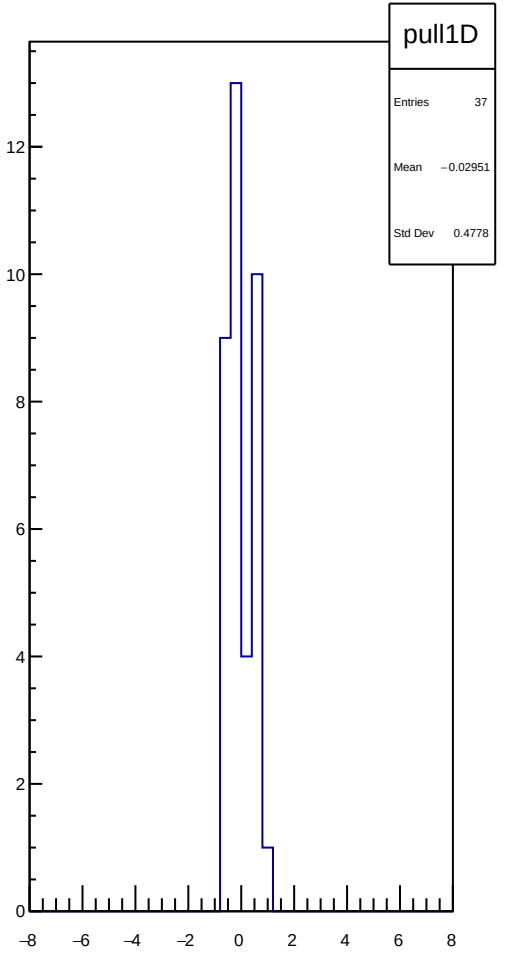

pull1D
Entries 37
Mean 0.007923
Std Dev 0.139

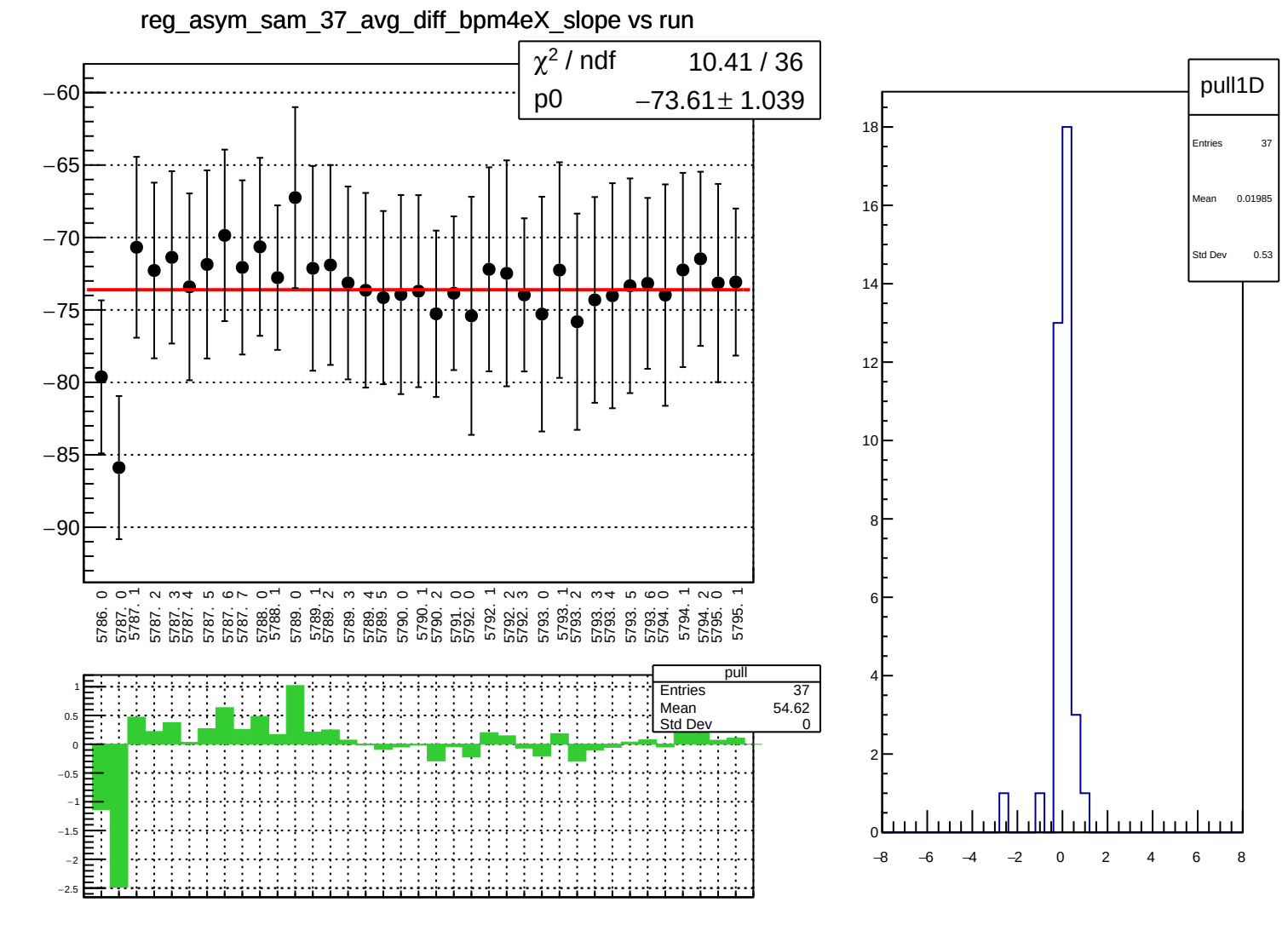

reg_asym_sam_37_avg_diff_bpm1X_slope vs run
χ² / ndf 9.066 / 36
p0 4.421 ± 0.7263
pull
Entries 37
Mean 59.49
Std Dev 0
pull1D
Entries 37
Mean −0.02186
Std Dev 0.4945

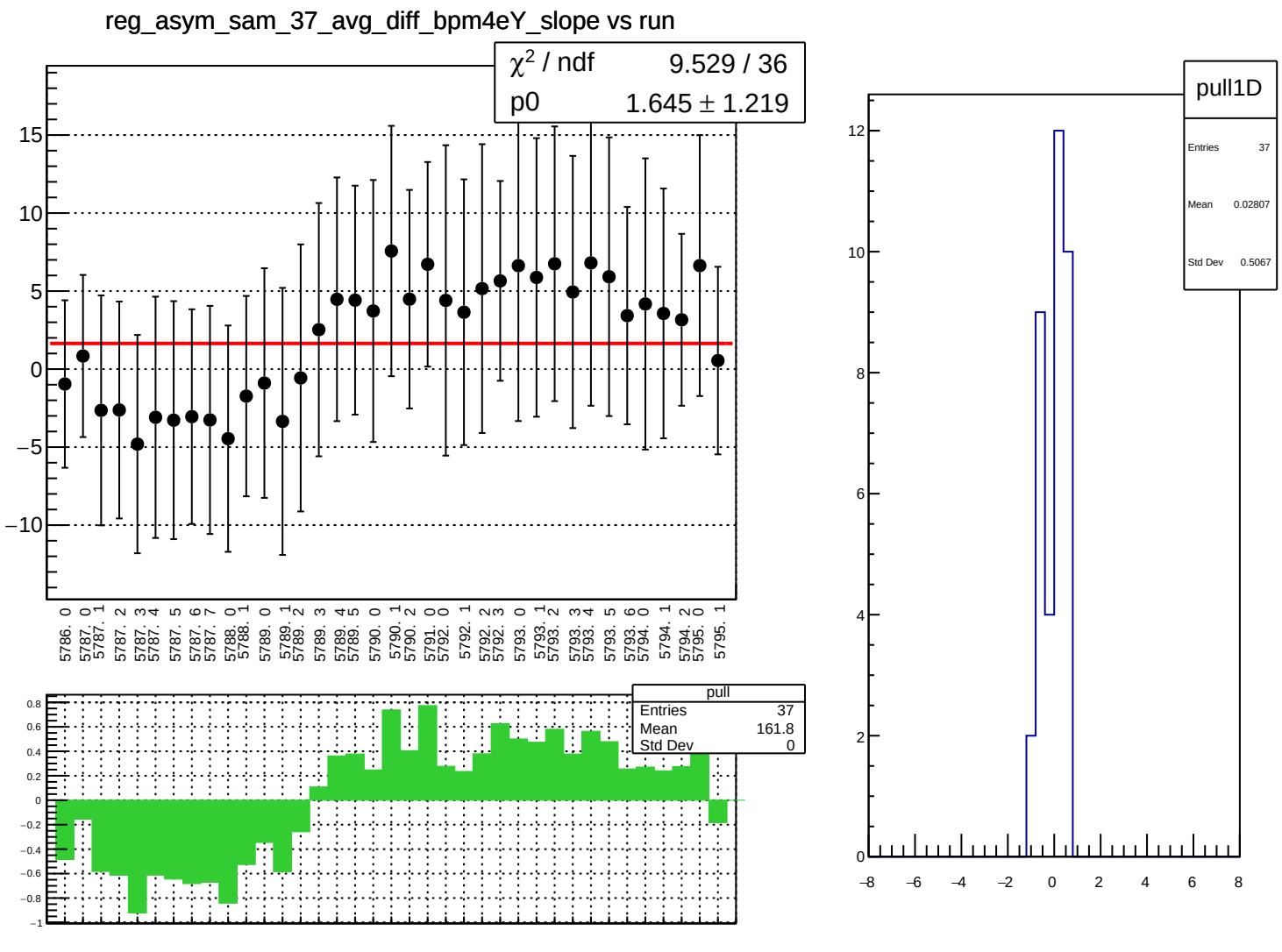
reg_asym_sam_37_avg_diff_bpm4aY_slope vs run

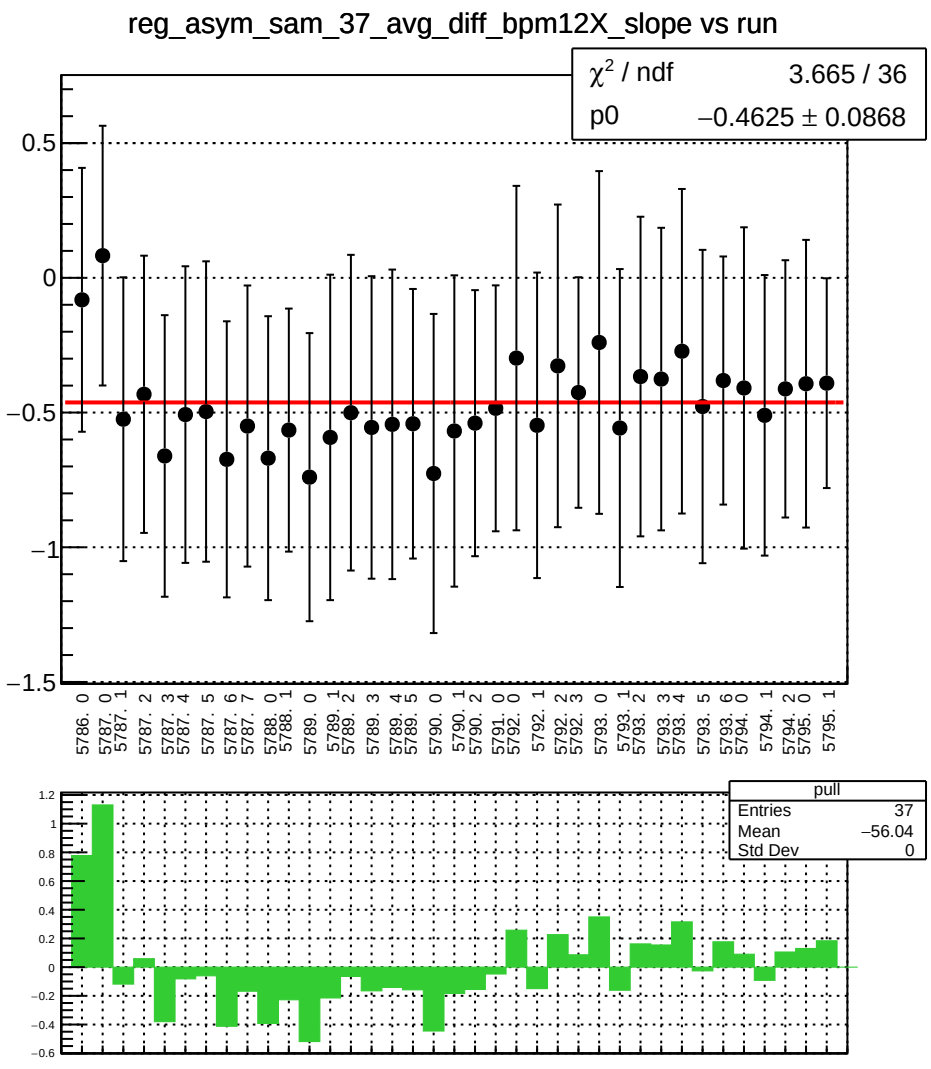


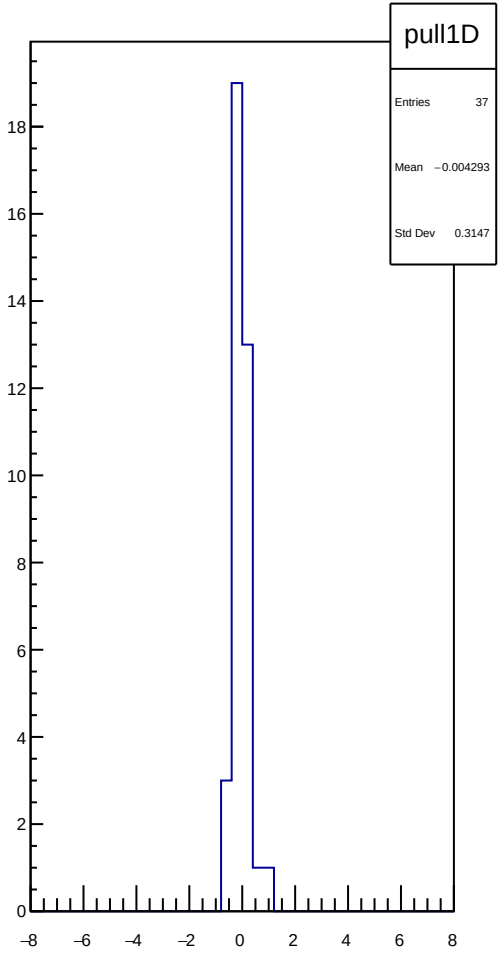


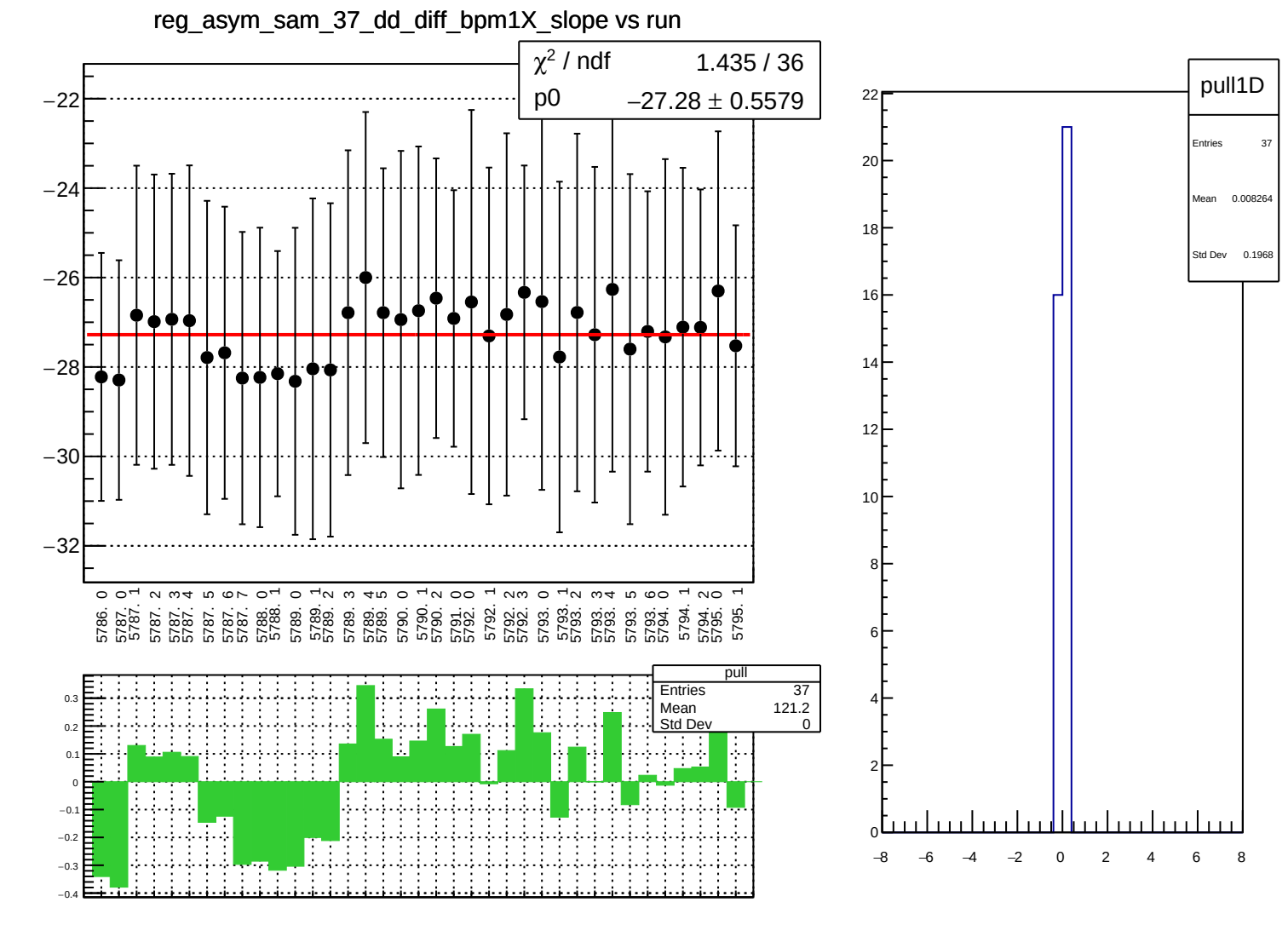


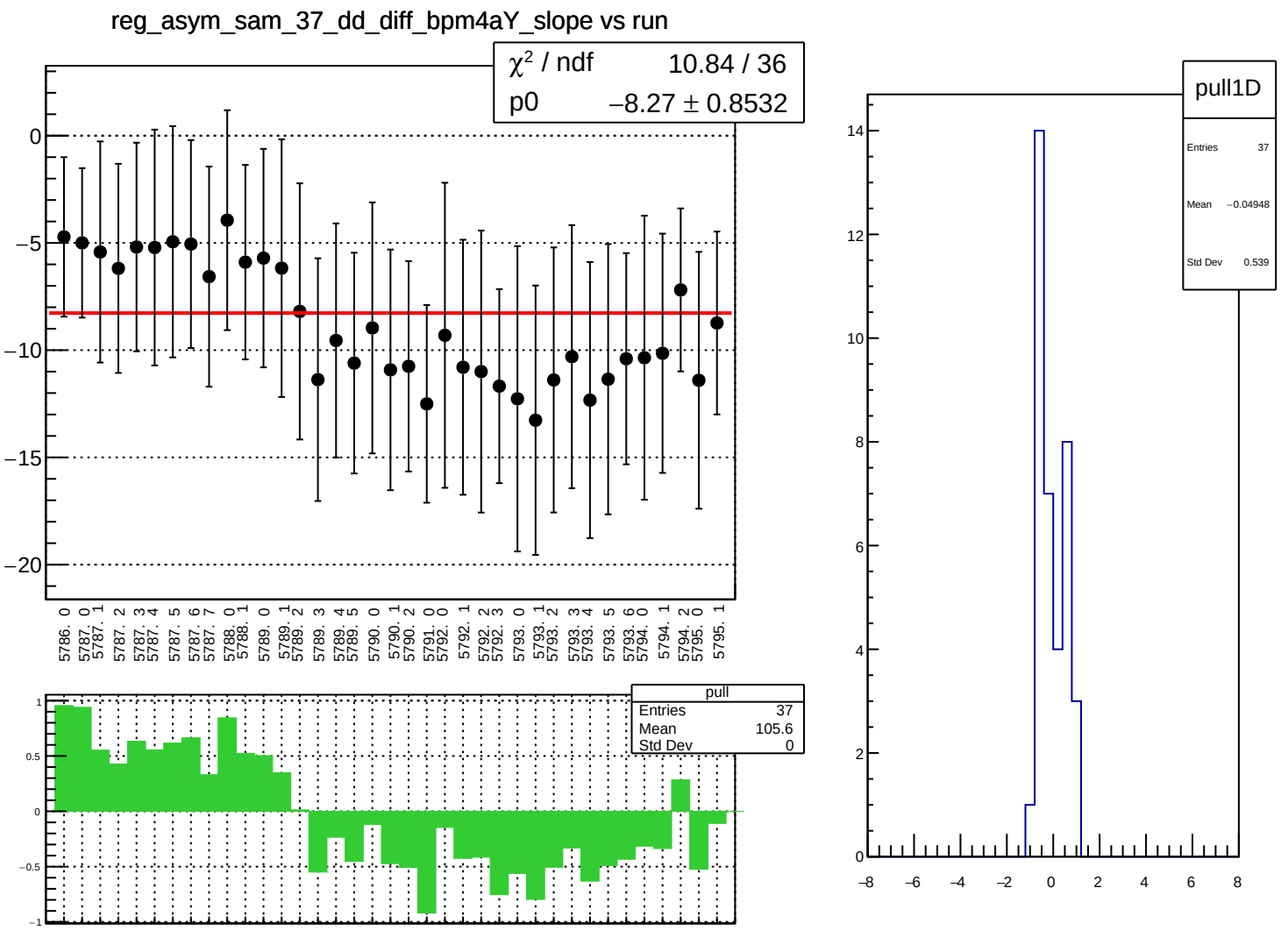

reg_asym_sam_37_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.41 / 36
p0 −73.61 ± 1.039
pull
Entries 37
Mean 54.62
Std Dev 0
pull1D
Entries 37
Mean 0.01985
Std Dev 0.53

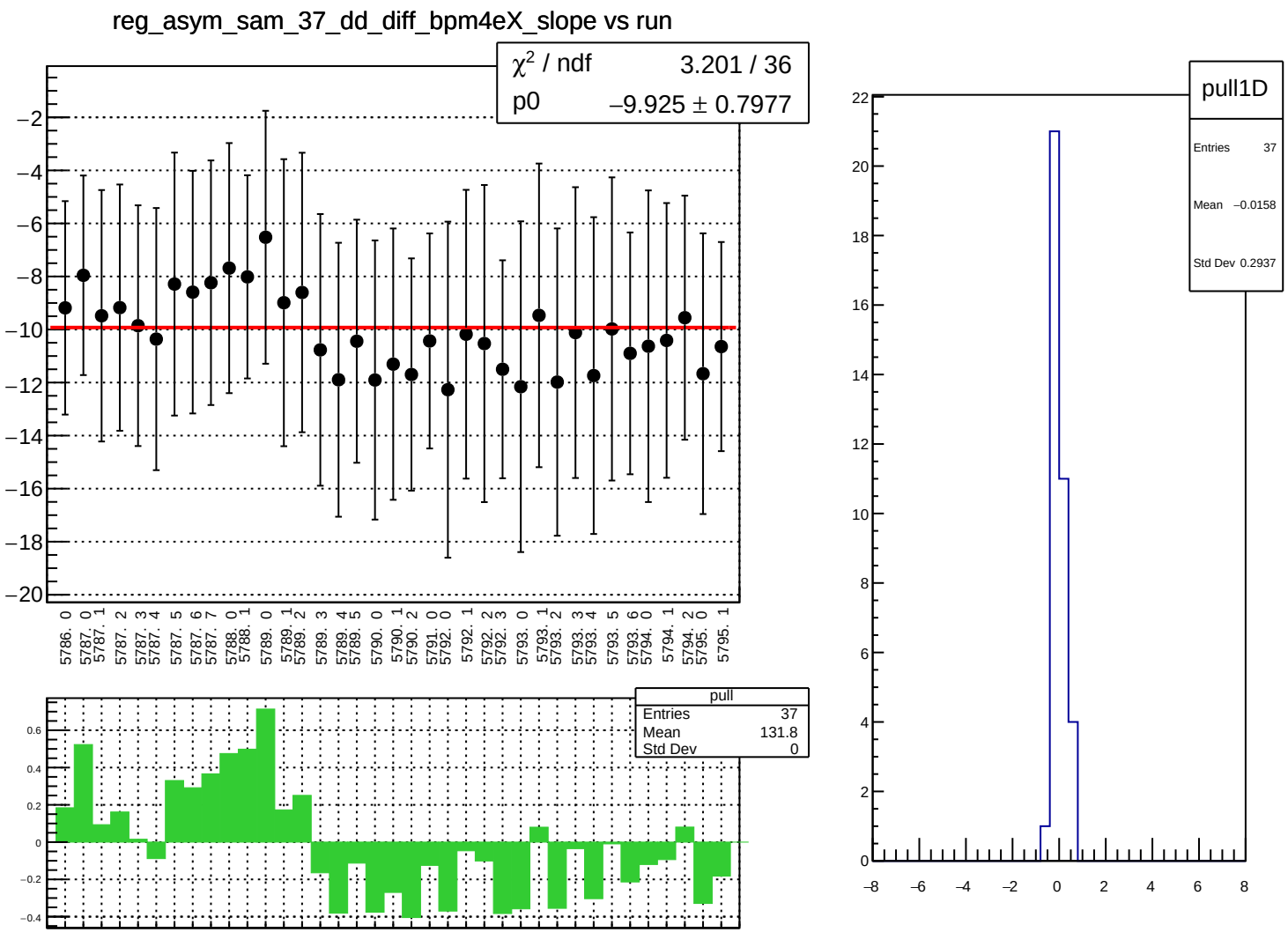

reg_asym_sam_37_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.529 / 36
p0 1.645 ± 1.219
pull
Entries 37
Mean 161.8
Std Dev 0
pull1D
Entries 37
Mean 0.02807
Std Dev 0.5067

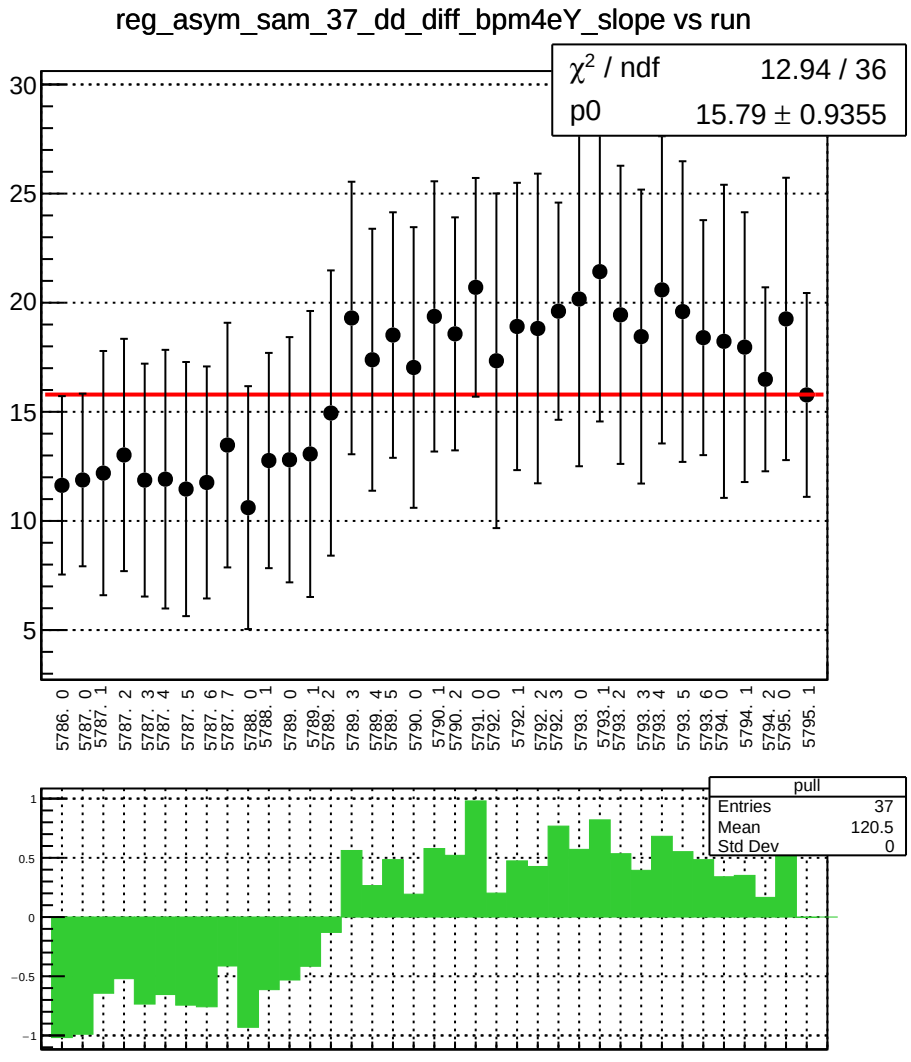

reg_asym_sam_37_avg_diff_bpm12X_slope vs run
χ² / ndf 3.665 / 36
p0 −0.4625 ± 0.0868
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −56.04
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6

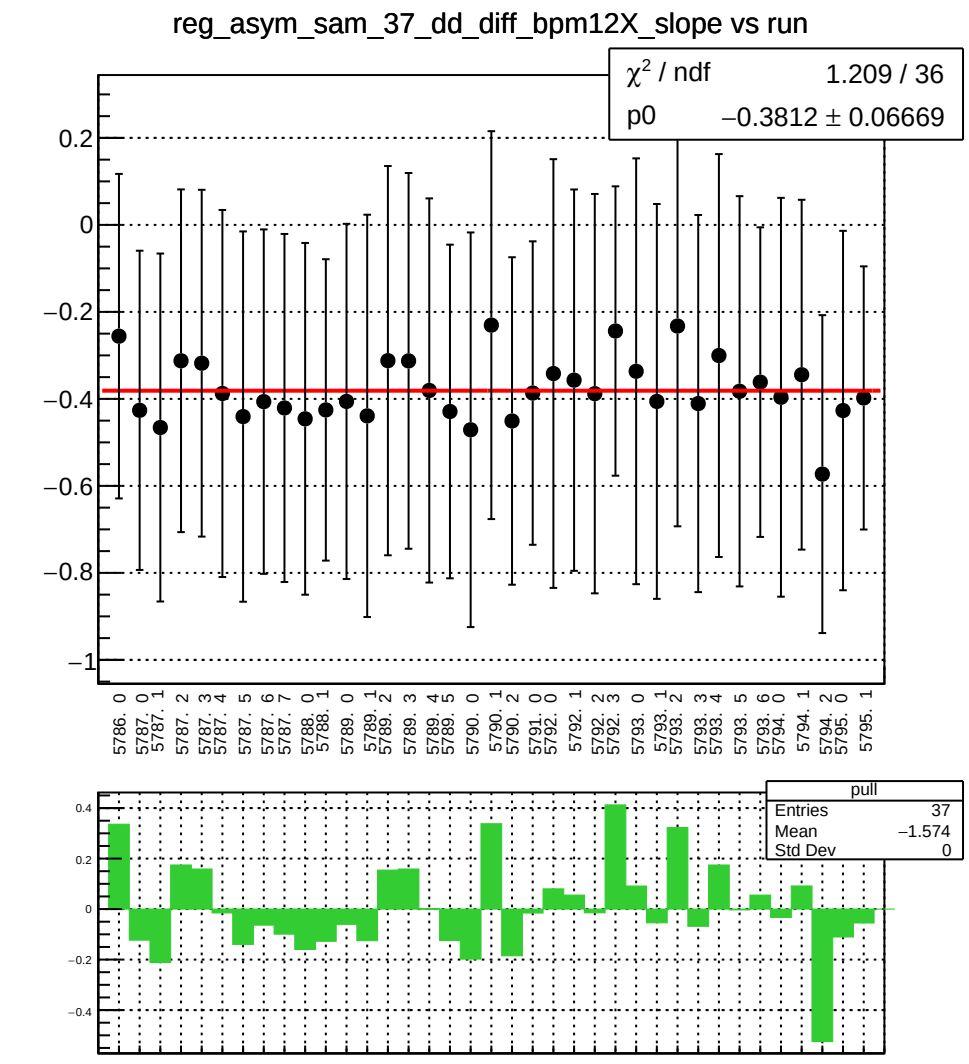

pull1D
Entries 37
Mean −0.004293
Std Dev 0.3147
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

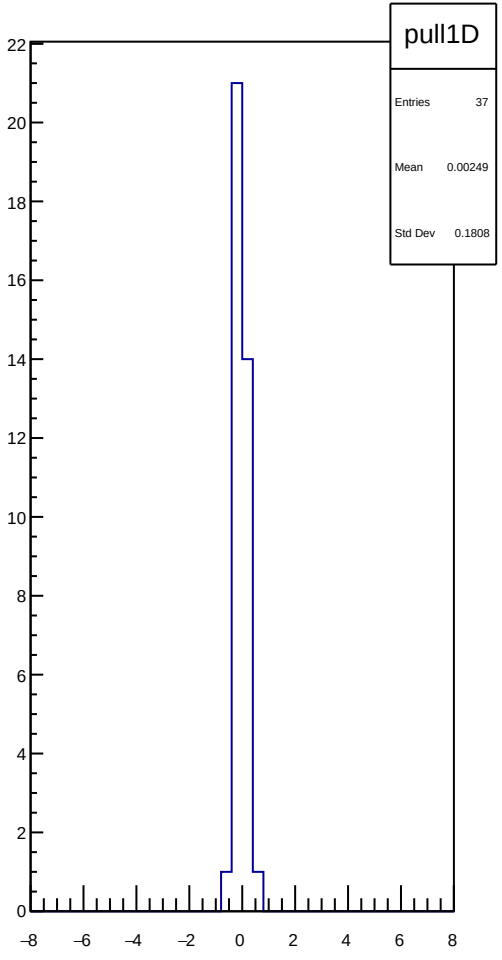

reg_asym_sam_37_dd_diff_bpm1X_slope vs run
χ² / ndf 1.435 / 36
p0 −27.28 ± 0.5579
−22
−24
−26
−28
−30
−32
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 121.2
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 37
Mean 0.008264
Std Dev 0.1968
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

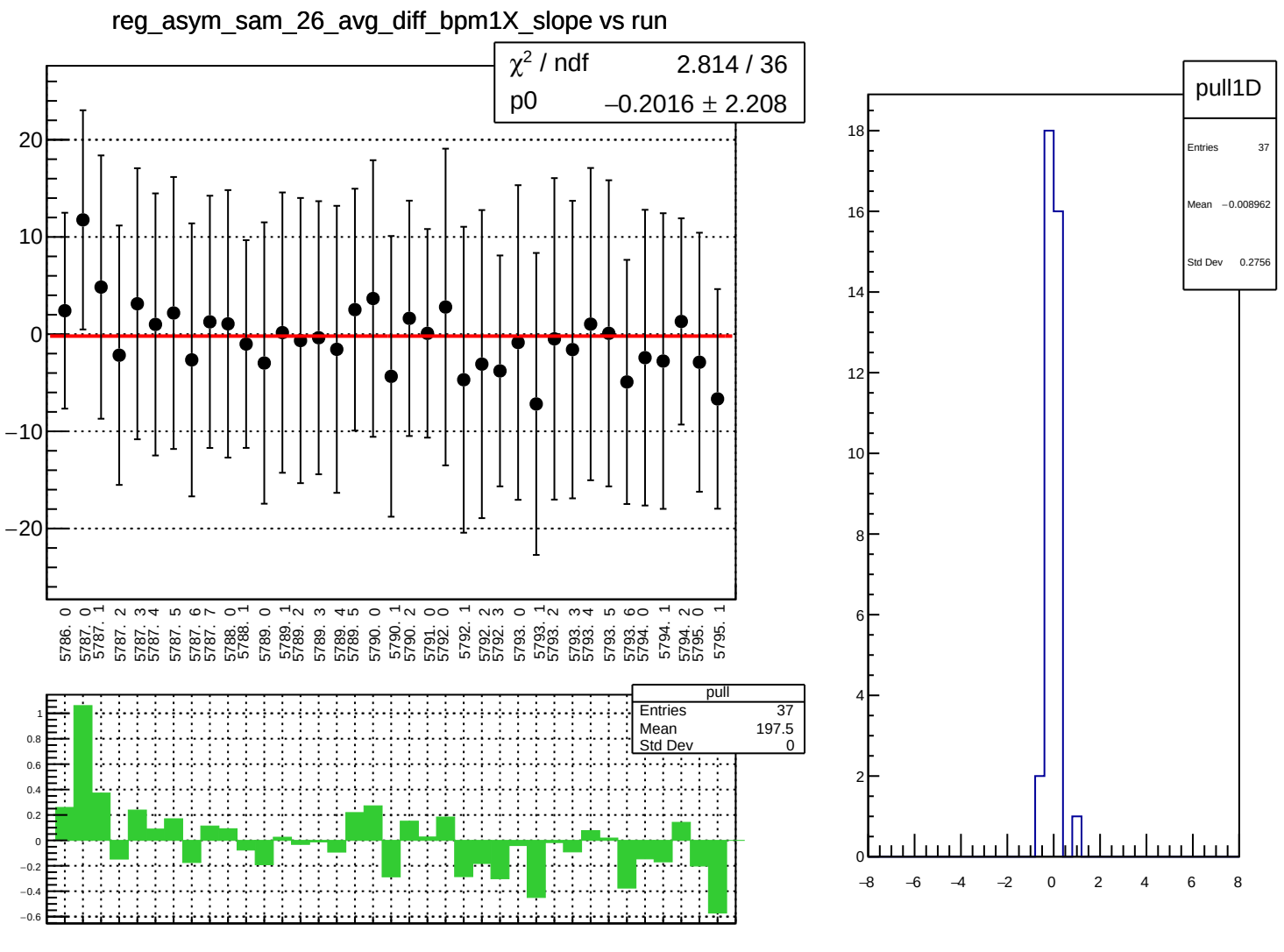

reg_asym_sam_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 10.84 / 36
p0 −8.27 ± 0.8532
0
−5
−10
−15
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 105.6
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.04948
Std Dev 0.539
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

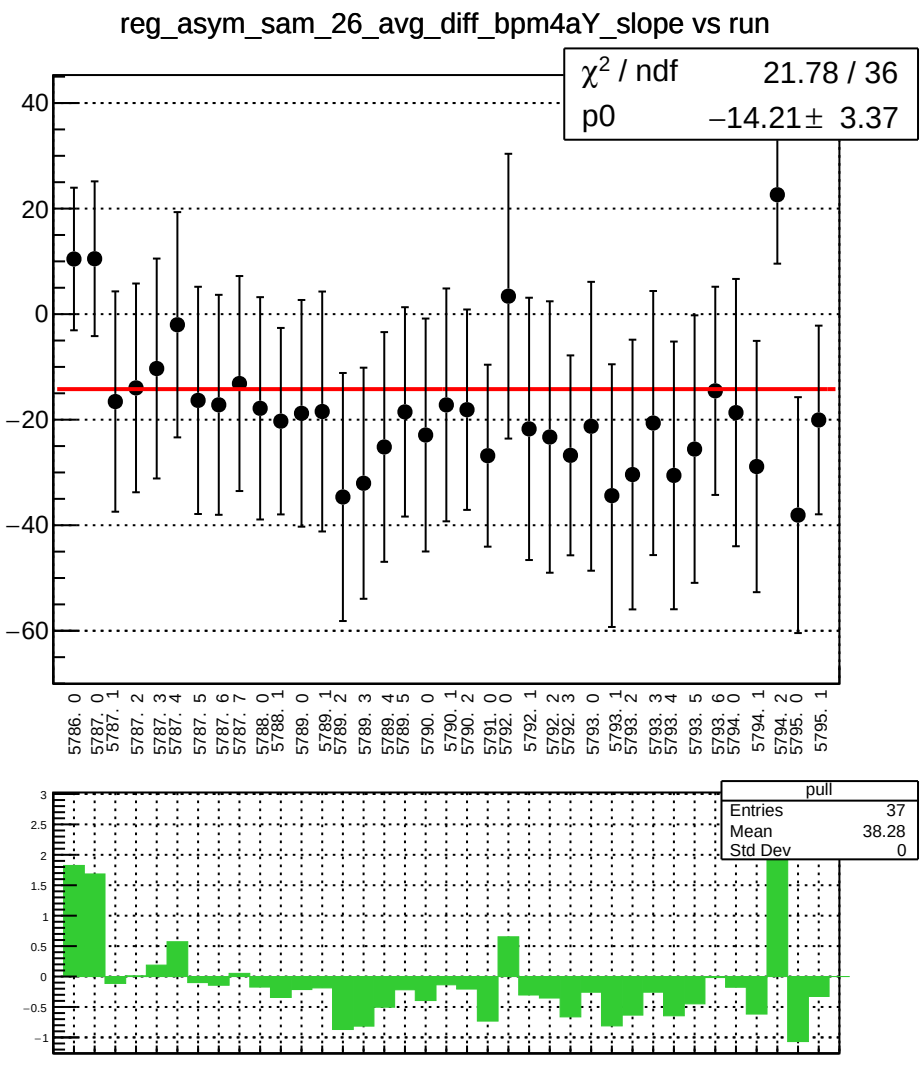

reg_asym_sam_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.201 / 36
p0 −9.925 ± 0.7977
pull
Entries 37
Mean 131.8
Std Dev 0
pull1D
Entries 37
Mean −0.0158
Std Dev 0.2937

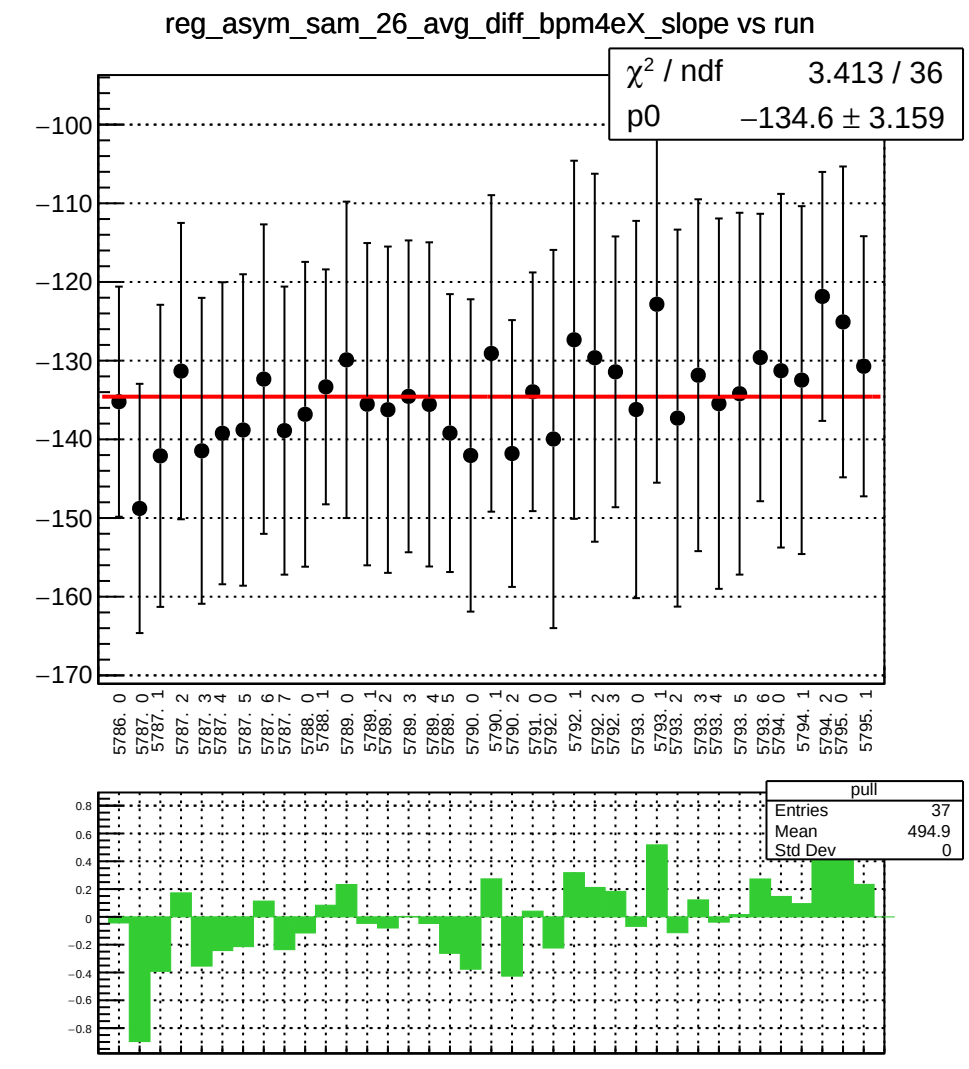

reg_asym_sam_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.94 / 36
p0 15.79 ± 0.9355
pull
Entries 37
Mean 120.5
Std Dev 0
pull1D
Entries 37
Mean 0.04835
Std Dev 0.5894

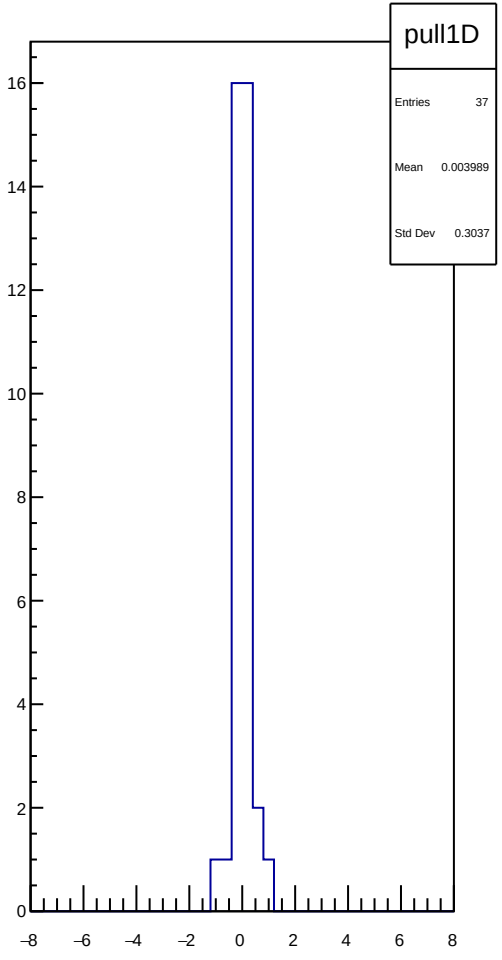

reg_asym_sam_37_dd_diff_bpm12X_slope vs run
χ² / ndf 1.209 / 36
p0 −0.3812 ± 0.06669
pull
Entries 37
Mean −1.574
Std Dev 0

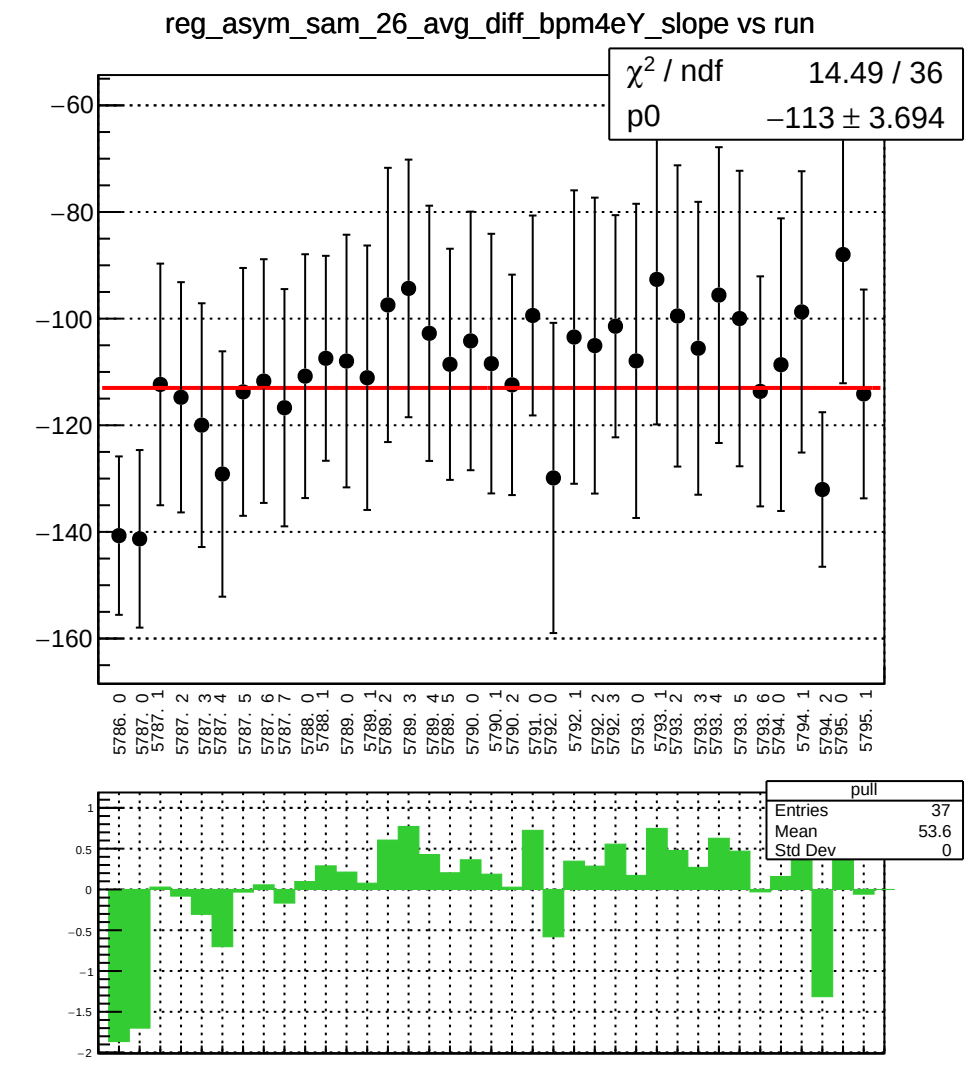

pull1D
Entries 37
Mean 0.00249
Std Dev 0.1808

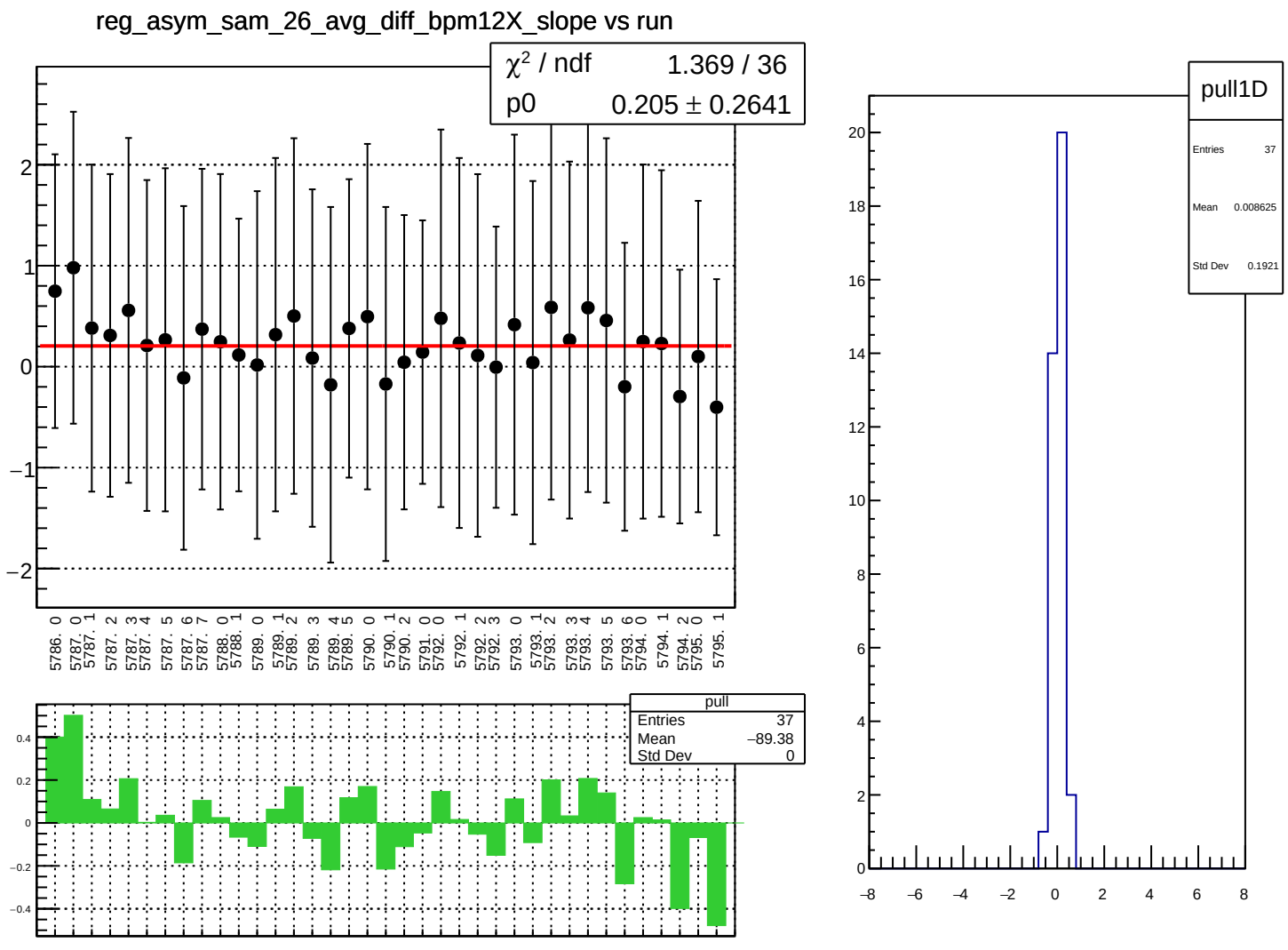

reg_asym_sam_26_avg_diff_bpm1X_slope vs run
χ² / ndf 2.814 / 36
p0 −0.2016 ± 2.208
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 197.5
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.008962
Std Dev 0.2756
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_sam_26_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.78 / 36
p0 −14.21± 3.37
pull
Entries 37
Mean 38.28
Std Dev 0
pull1D
Entries 37
Mean −0.1057
Std Dev 0.7599

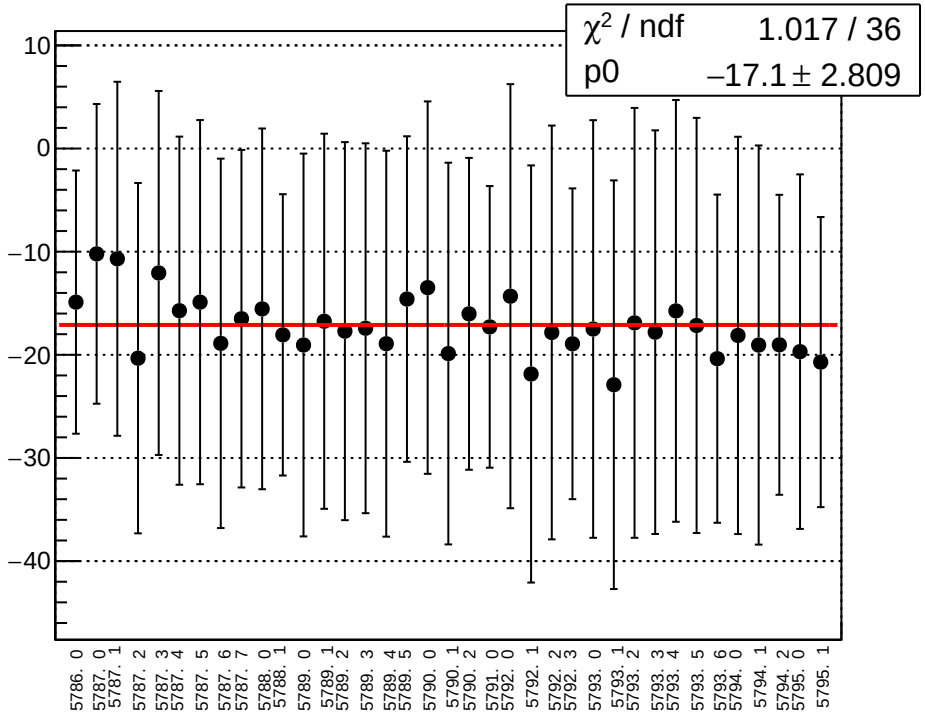

reg_asym_sam_26_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.413 / 36
p0 −134.6 ± 3.159
pull
Entries 37
Mean 494.9
Std Dev 0

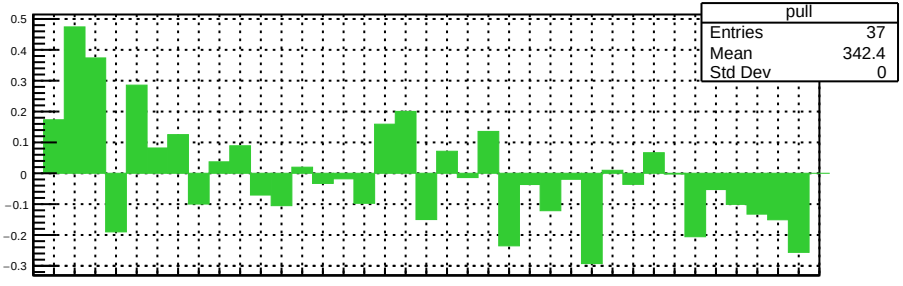

pull1D
Entries 37
Mean 0.003989
Std Dev 0.3037

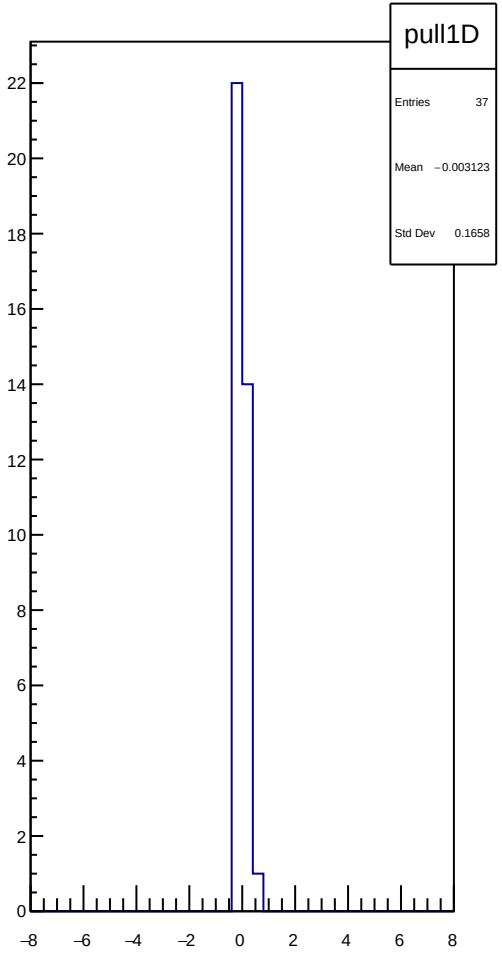

reg_asym_sam_26_avg_diff_bpm4eY_slope vs run
χ² / ndf 14.49 / 36
p0 −113 ± 3.694
pull
Entries 37
Mean 53.6
Std Dev 0
pull1D
Entries 37
Mean 0.0792
Std Dev 0.6208

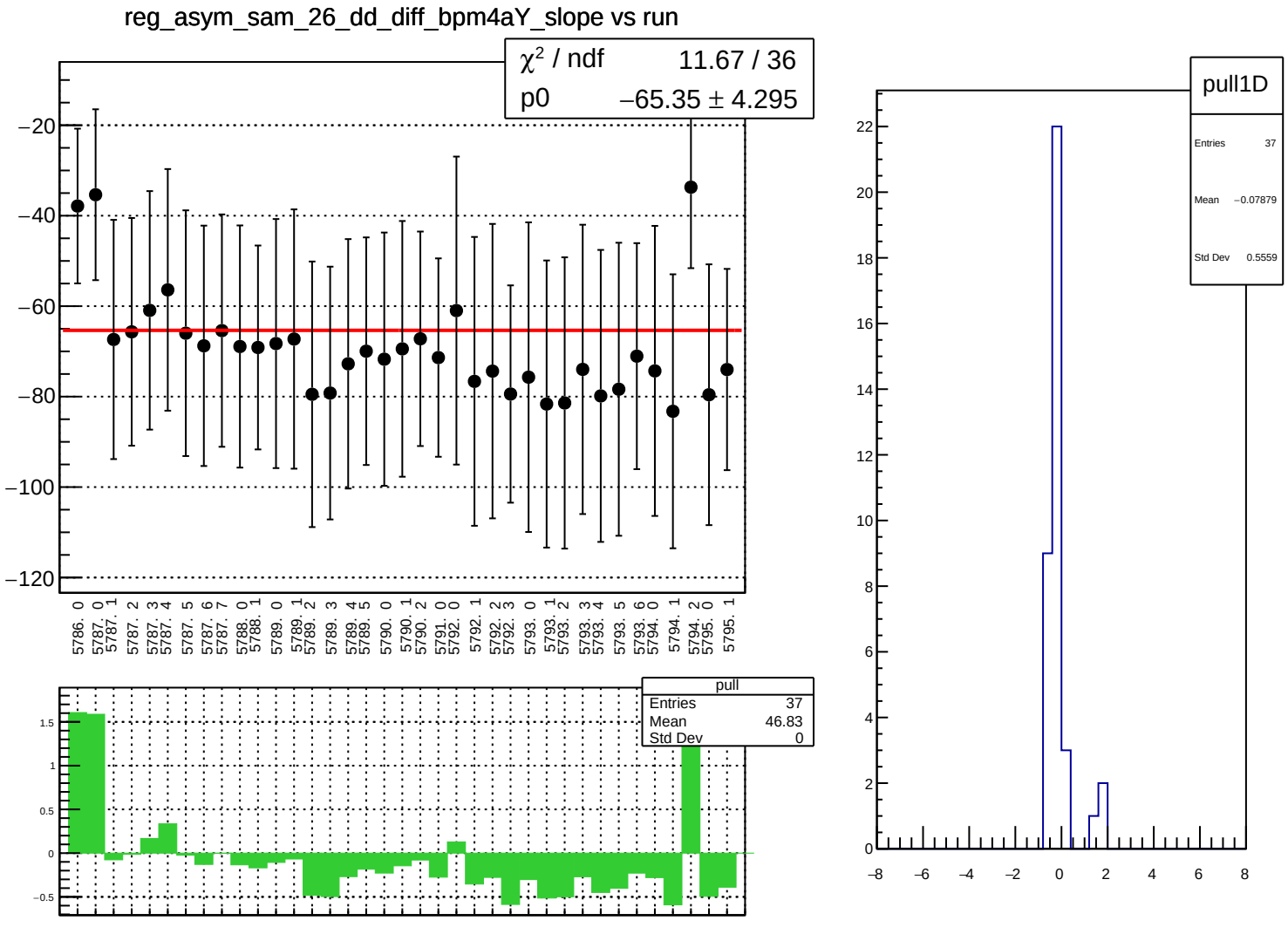

reg_asym_sam_26_avg_diff_bpm12X_slope vs run
χ² / ndf 1.369 / 36
p0 0.205 ± 0.2641
pull
Entries 37
Mean −89.38
Std Dev 0
pull1D
Entries 37
Mean 0.008625
Std Dev 0.1921

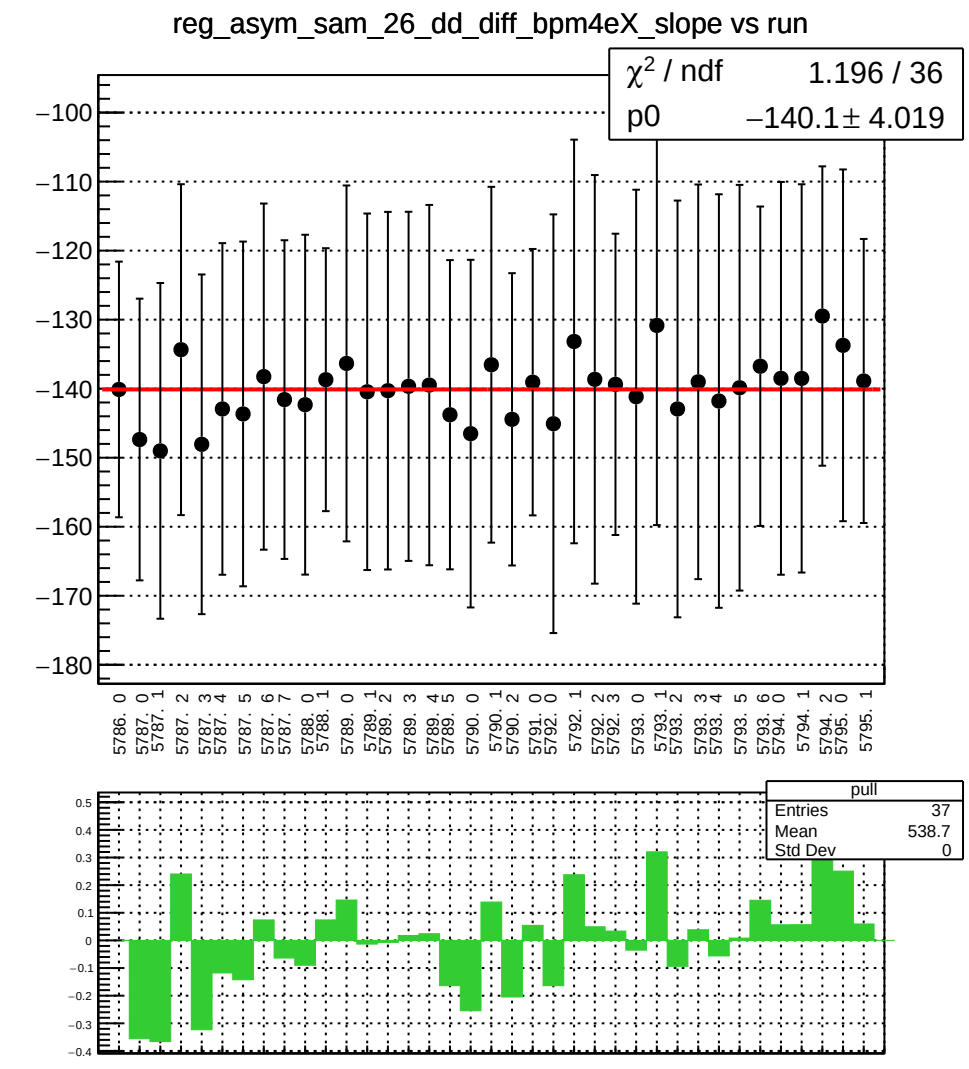
reg_asym_sam_26_dd_diff_bpm1X_slope vs run

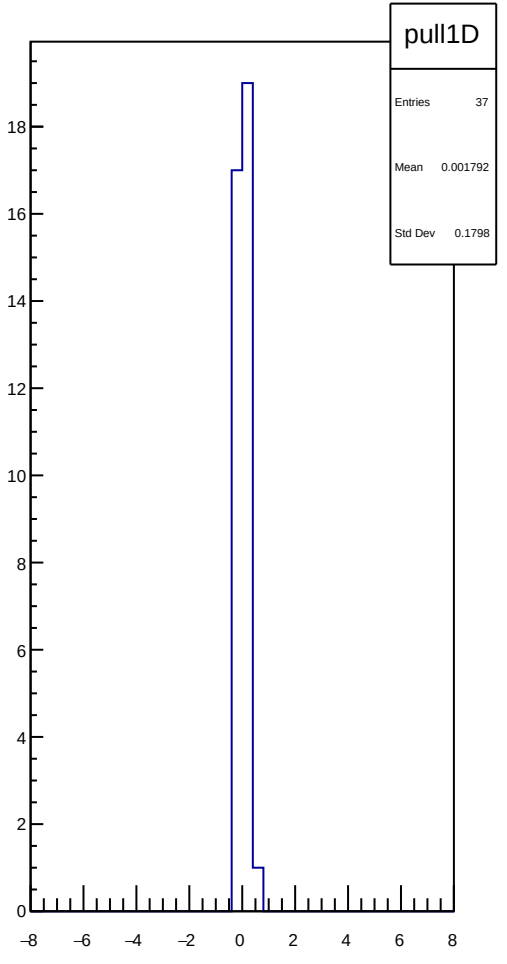


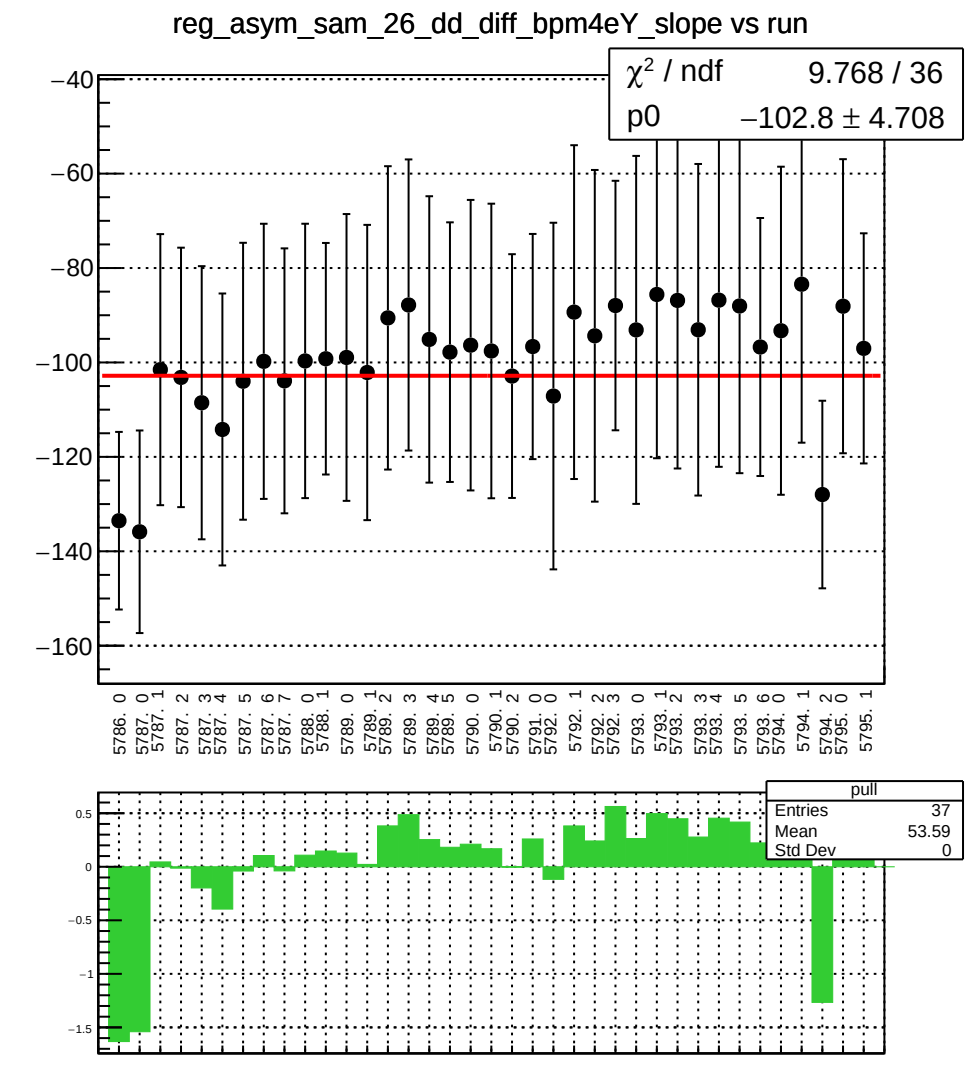


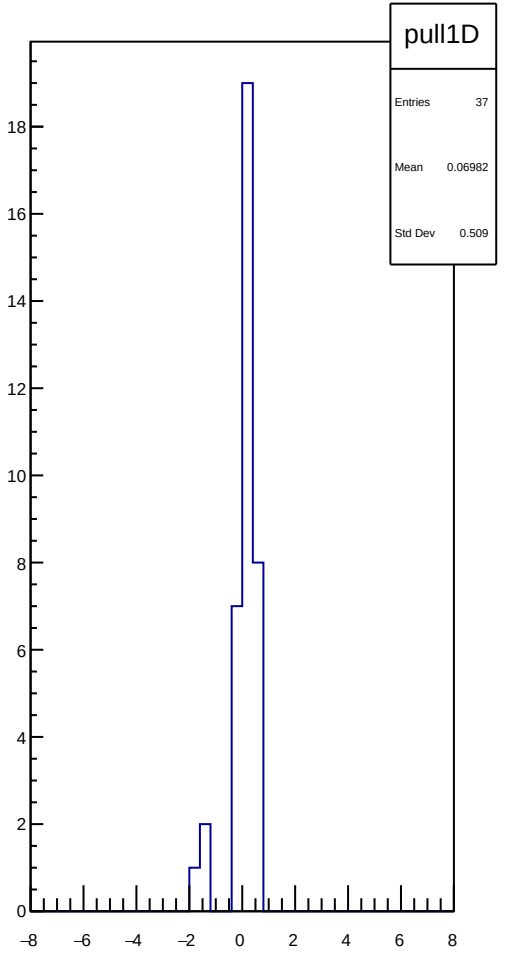


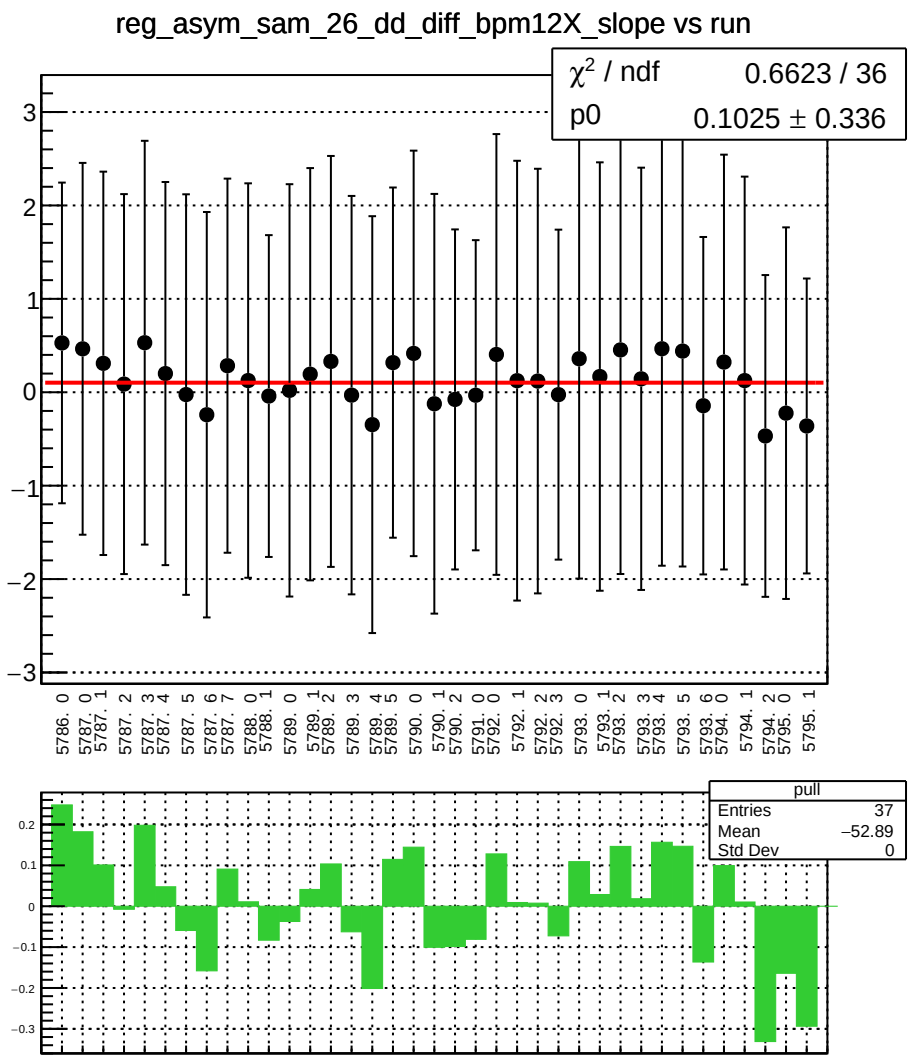

reg_asym_sam_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.67 / 36
p0 −65.35 ± 4.295
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 46.83
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.07879
Std Dev 0.5559
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

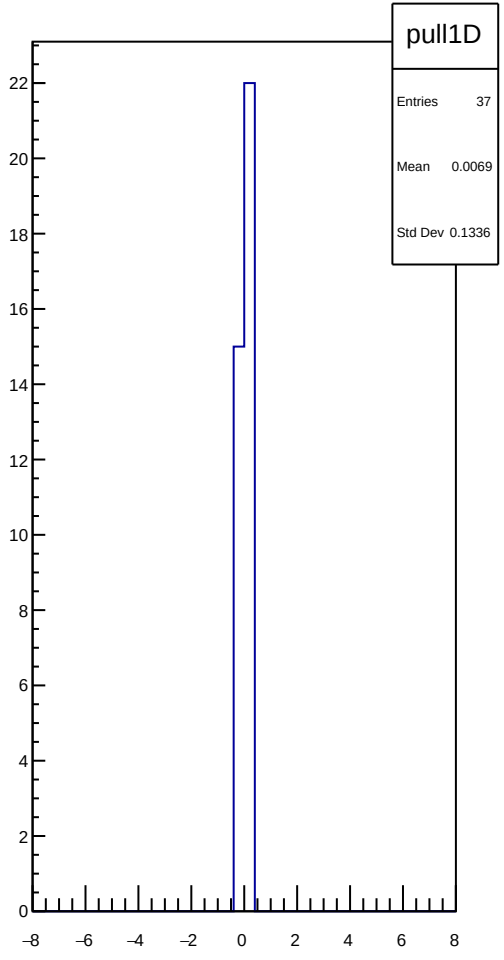

reg_asym_sam_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.196 / 36
p0 −140.1± 4.019
−100
−110
−120
−130
−140
−150
−160
−170
−180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 538.7
Std Dev 0
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4

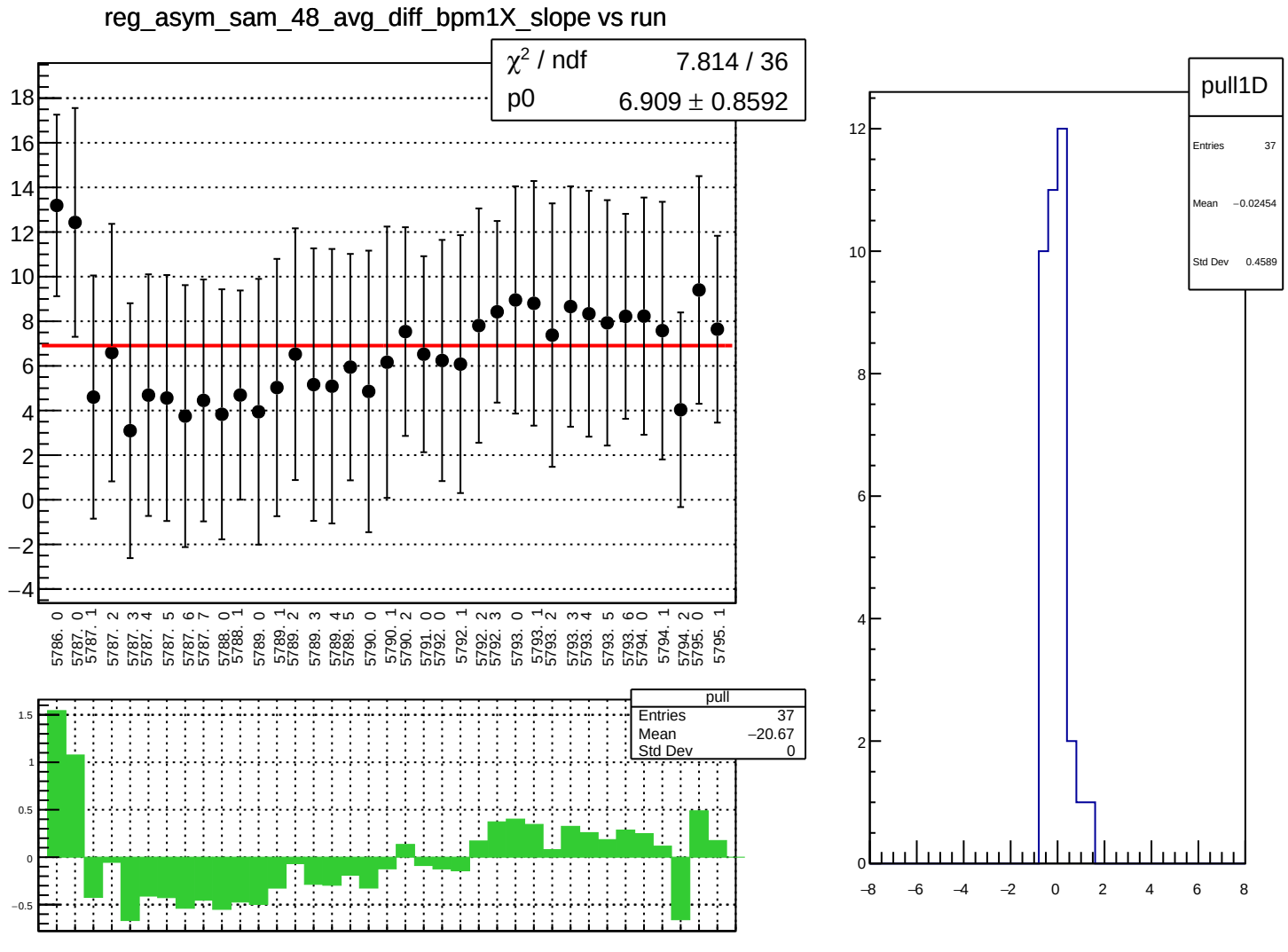

pull1D
Entries 37
Mean 0.001792
Std Dev 0.1798
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

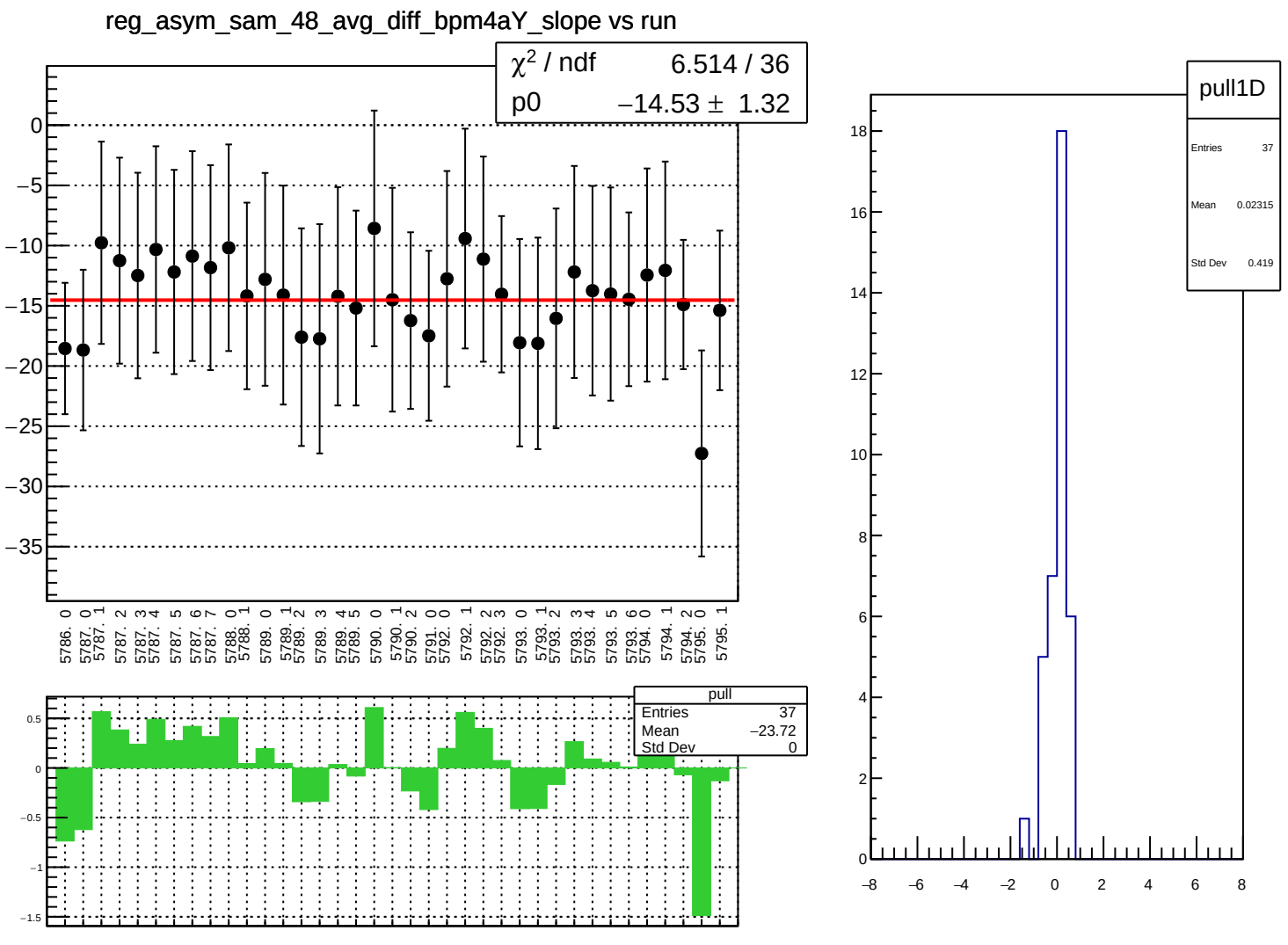

reg_asym_sam_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.768 / 36
p0 −102.8 ± 4.708
−40
−60
−80
−100
−120
−140
−160
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.59
Std Dev 0
0.5
0
−0.5
−1
−1.5

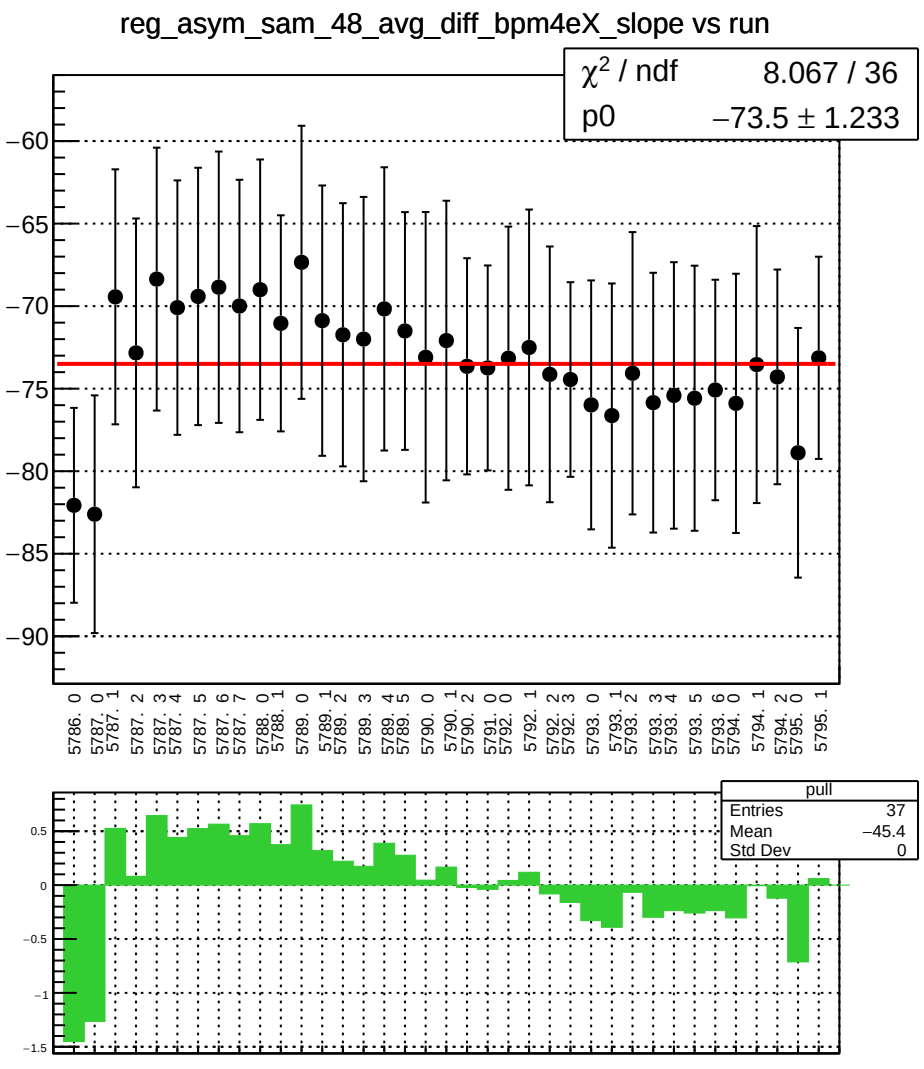

pull1D
Entries 37
Mean 0.06982
Std Dev 0.509
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

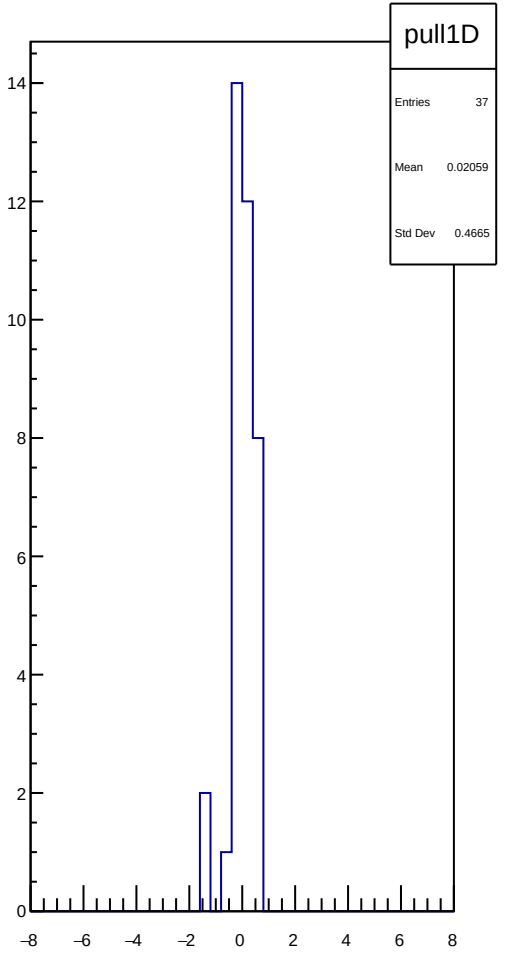

reg_asym_sam_26_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6623 / 36
p0 0.1025 ± 0.336
pull
Entries 37
Mean −52.89
Std Dev 0

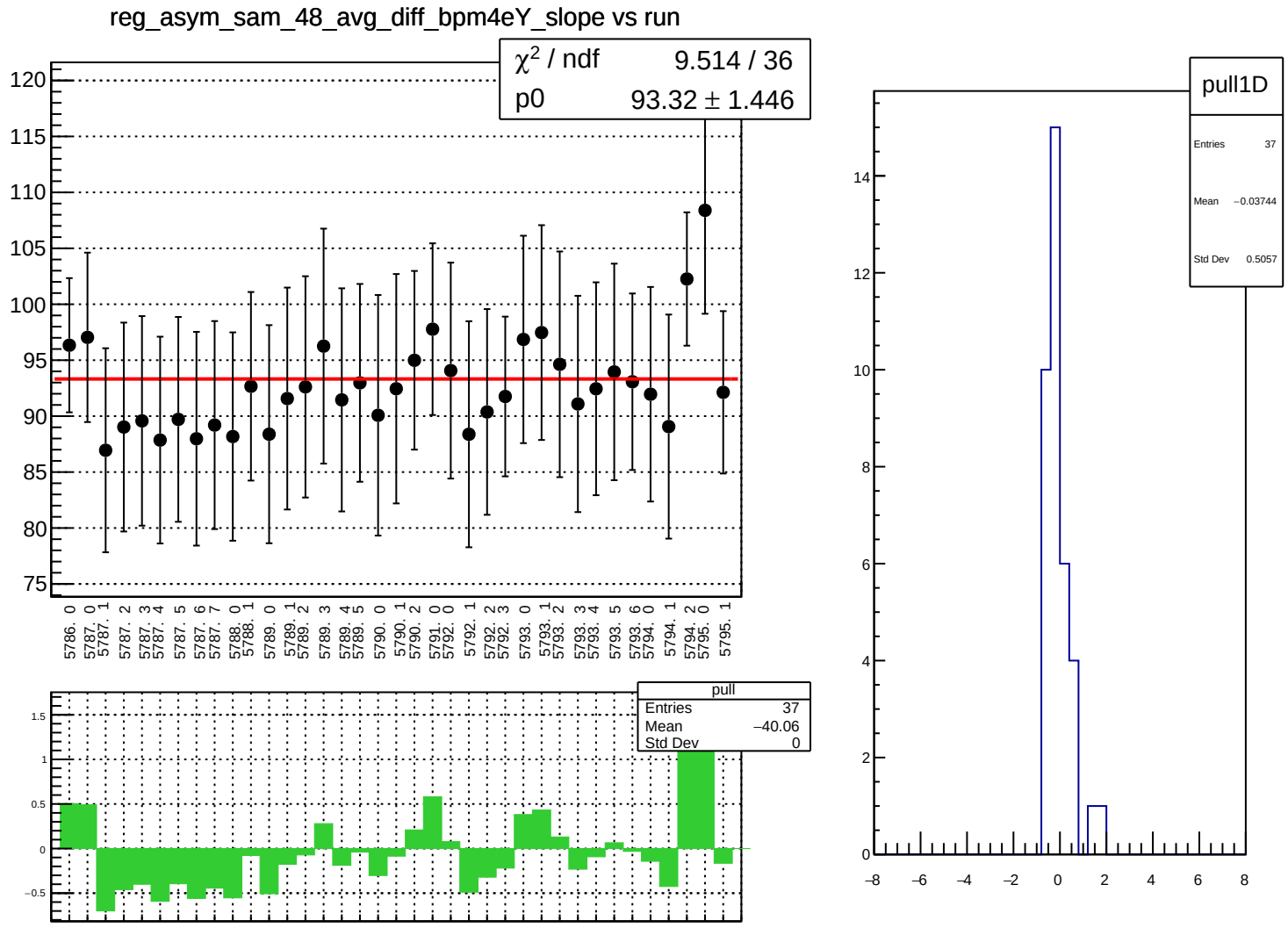

pull1D
Entries 37
Mean 0.0069
Std Dev 0.1336

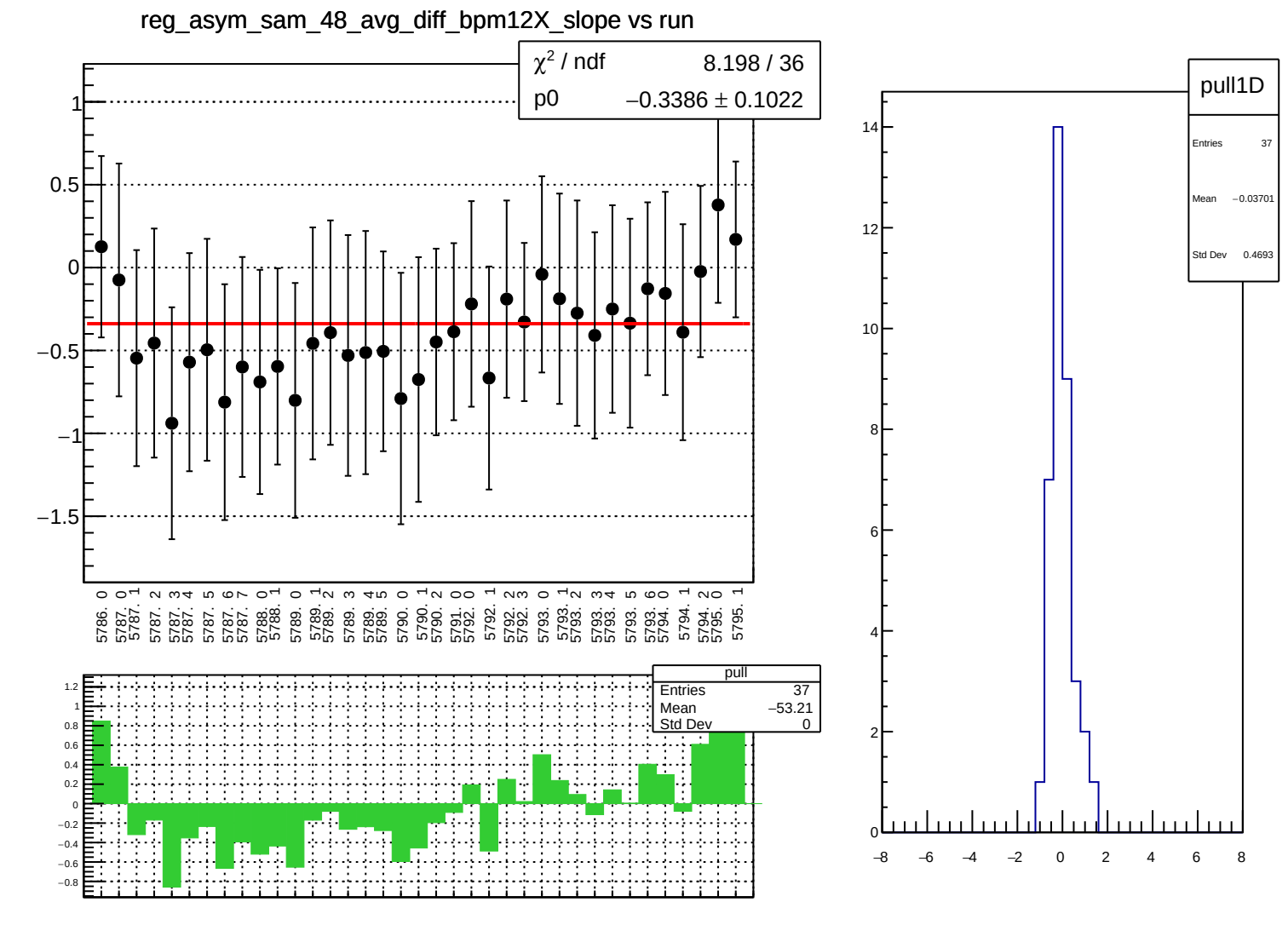

reg_asym_sam_48_avg_diff_bpm1X_slope vs run
χ² / ndf 7.814 / 36
p0 6.909 ± 0.8592
pull
Entries 37
Mean −20.67
Std Dev 0
pull1D
Entries 37
Mean −0.02454
Std Dev 0.4589

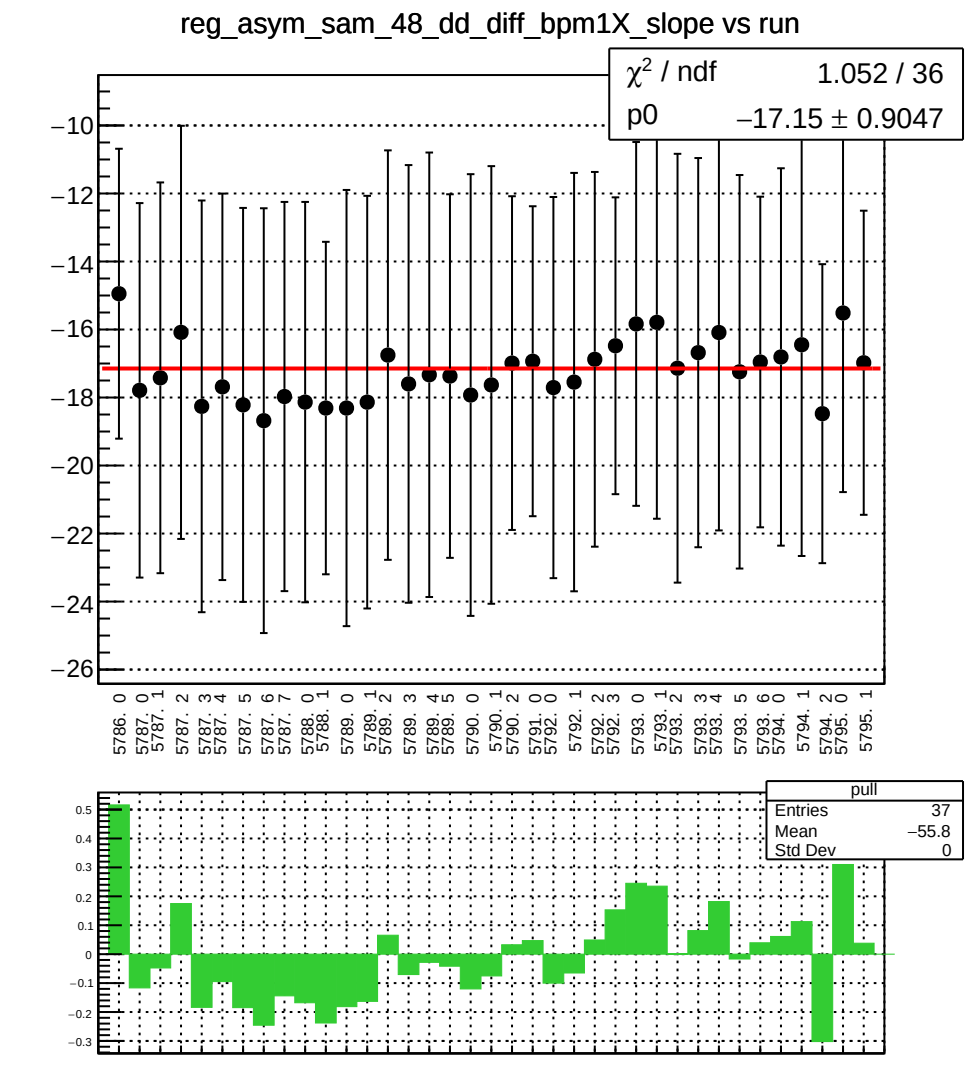

reg_asym_sam_48_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.514 / 36
p0 −14.53 ± 1.32
0
−5
−10
−15
−20
−25
−30
−35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −23.72
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.02315
Std Dev 0.419
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

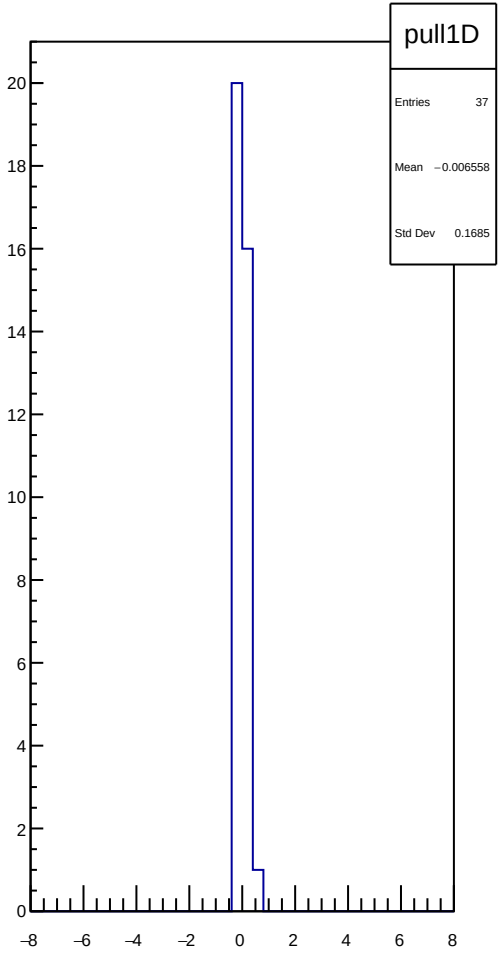

reg_asym_sam_48_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.067 / 36
p0 −73.5 ± 1.233
−60
−65
−70
−75
−80
−85
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −45.4
Std Dev 0
0.5
0
−0.5
−1
−1.5

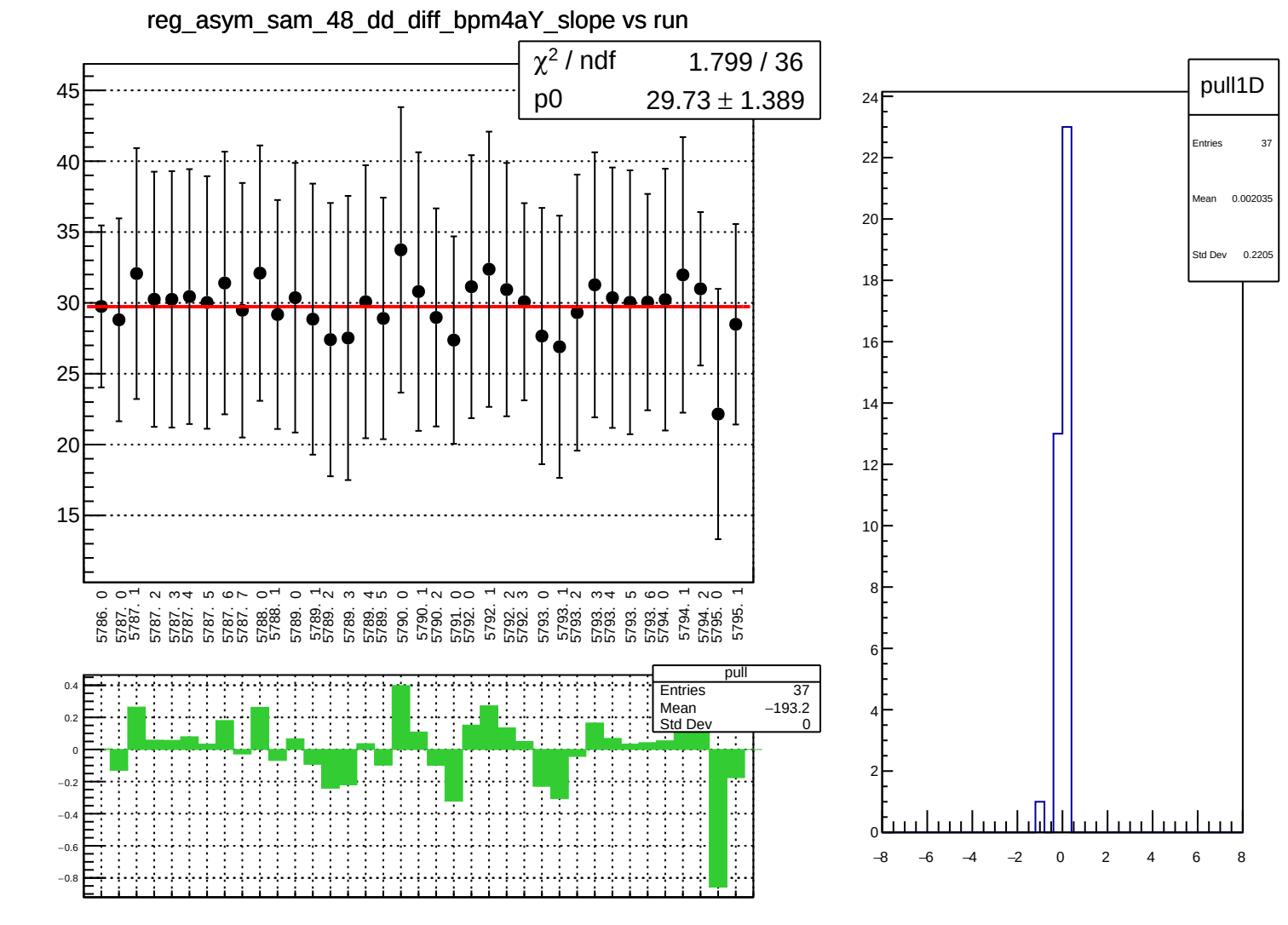

pull1D
Entries 37
Mean 0.02059
Std Dev 0.4665
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

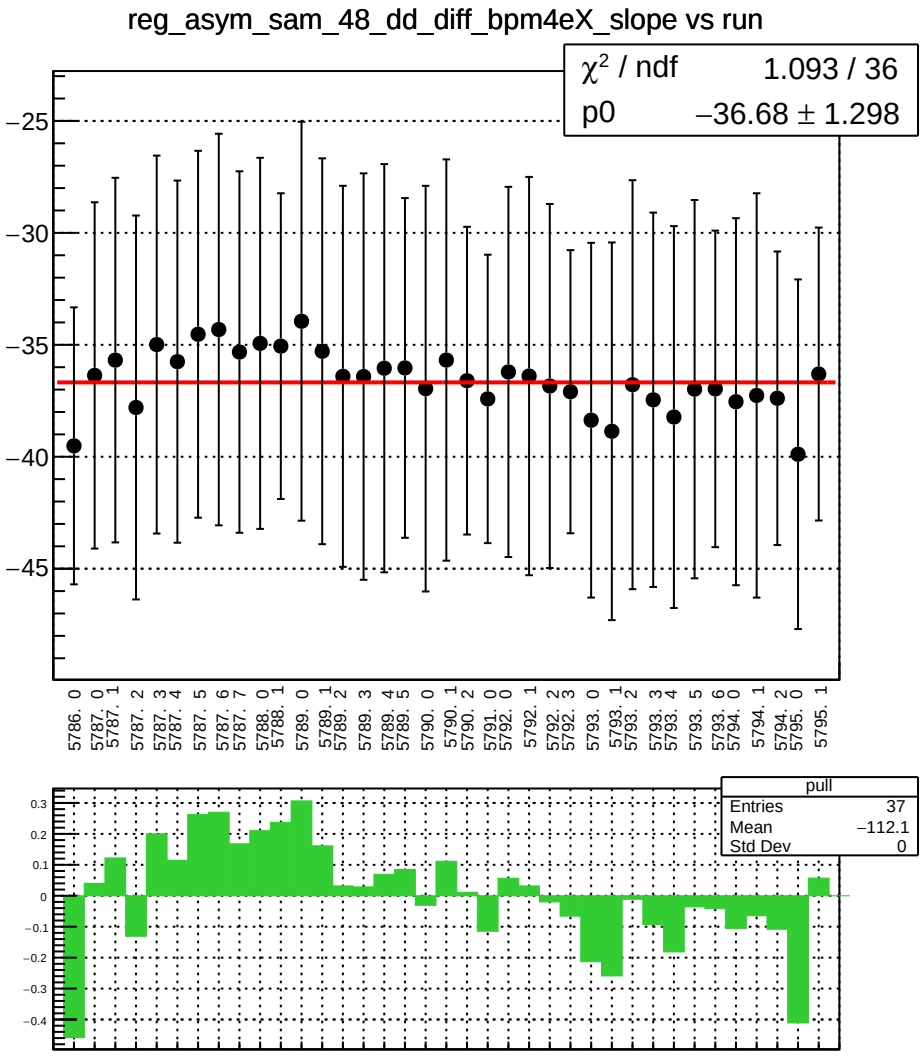

reg_asym_sam_48_avg_diff_bpm4eY_slope vs run
χ² / ndf 9.514 / 36
p0 93.32 ± 1.446
120
115
110
105
100
95
90
85
80
75
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −40.06
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.03744
Std Dev 0.5057
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

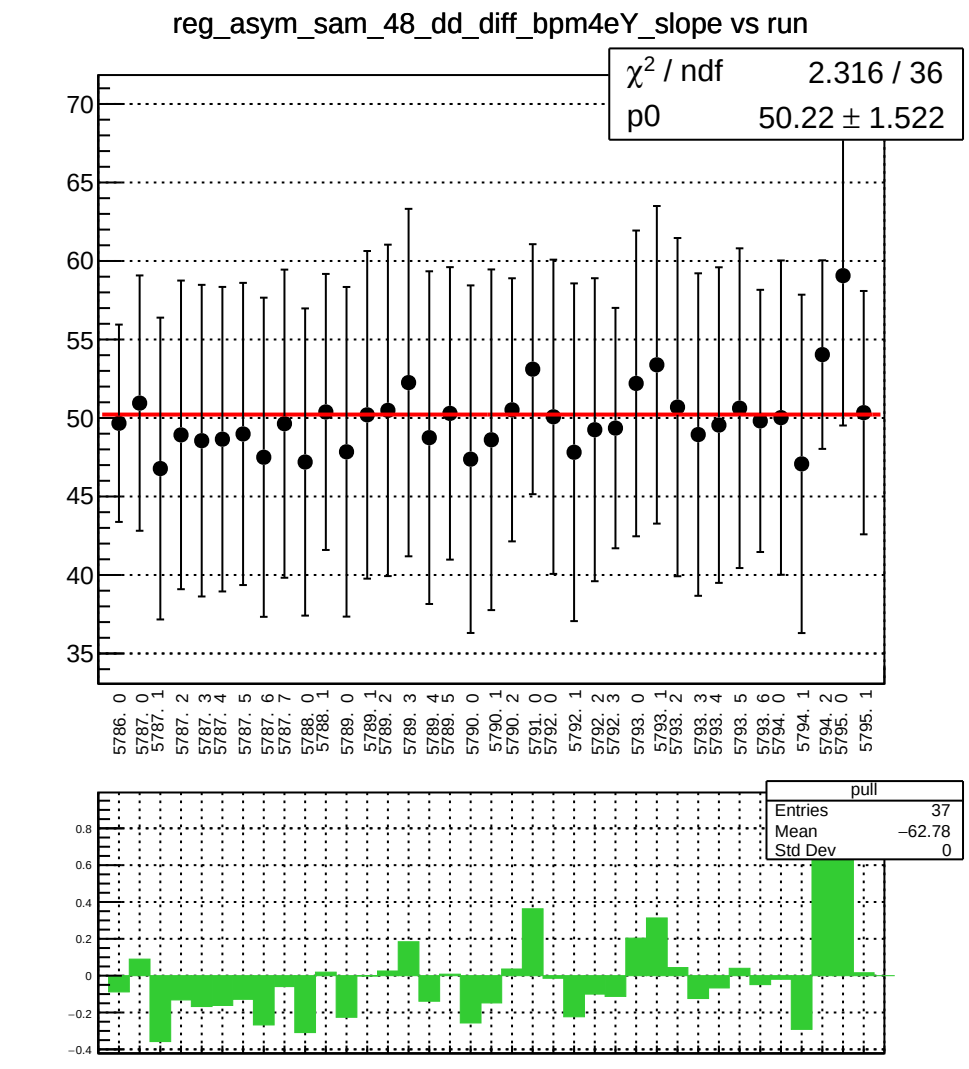

reg_asym_sam_48_avg_diff_bpm12X_slope vs run
χ² / ndf 8.198 / 36
p0 −0.3386 ± 0.1022
pull
Entries 37
Mean −53.21
Std Dev 0
pull1D
Entries 37
Mean −0.03701
Std Dev 0.4693

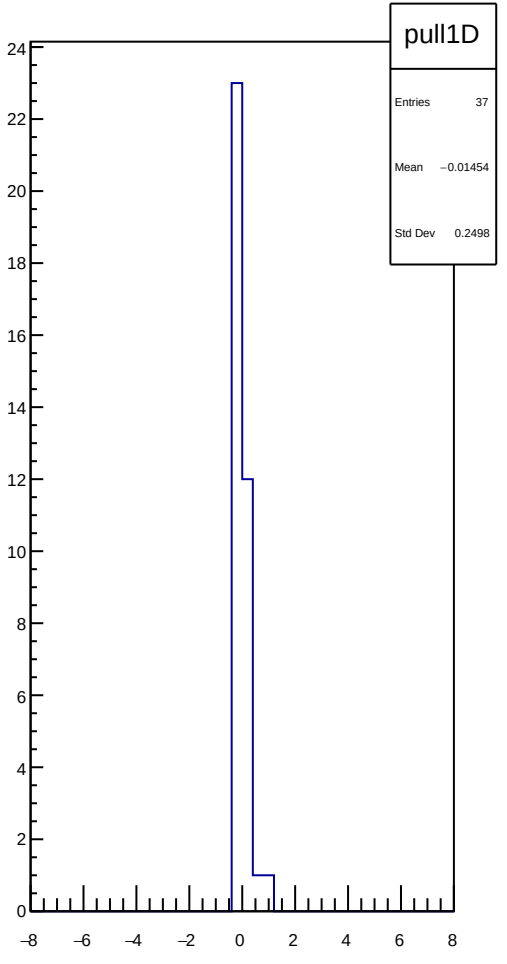

reg_asym_sam_48_dd_diff_bpm1X_slope vs run
χ² / ndf 1.052 / 36
p0 −17.15 ± 0.9047
pull
Entries 37
Mean −55.8
Std Dev 0

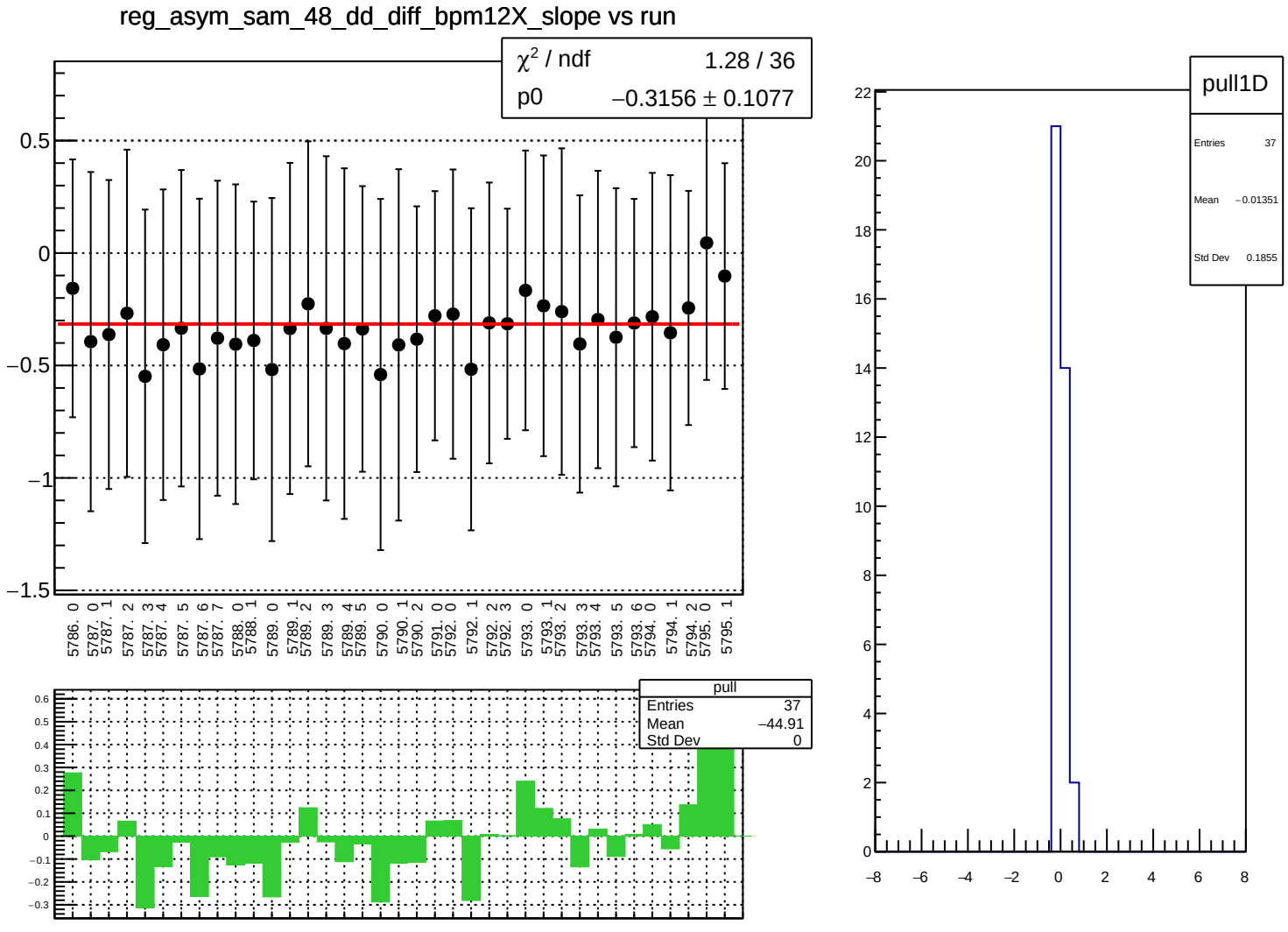

pull1D
Entries 37
Mean −0.006558
Std Dev 0.1685

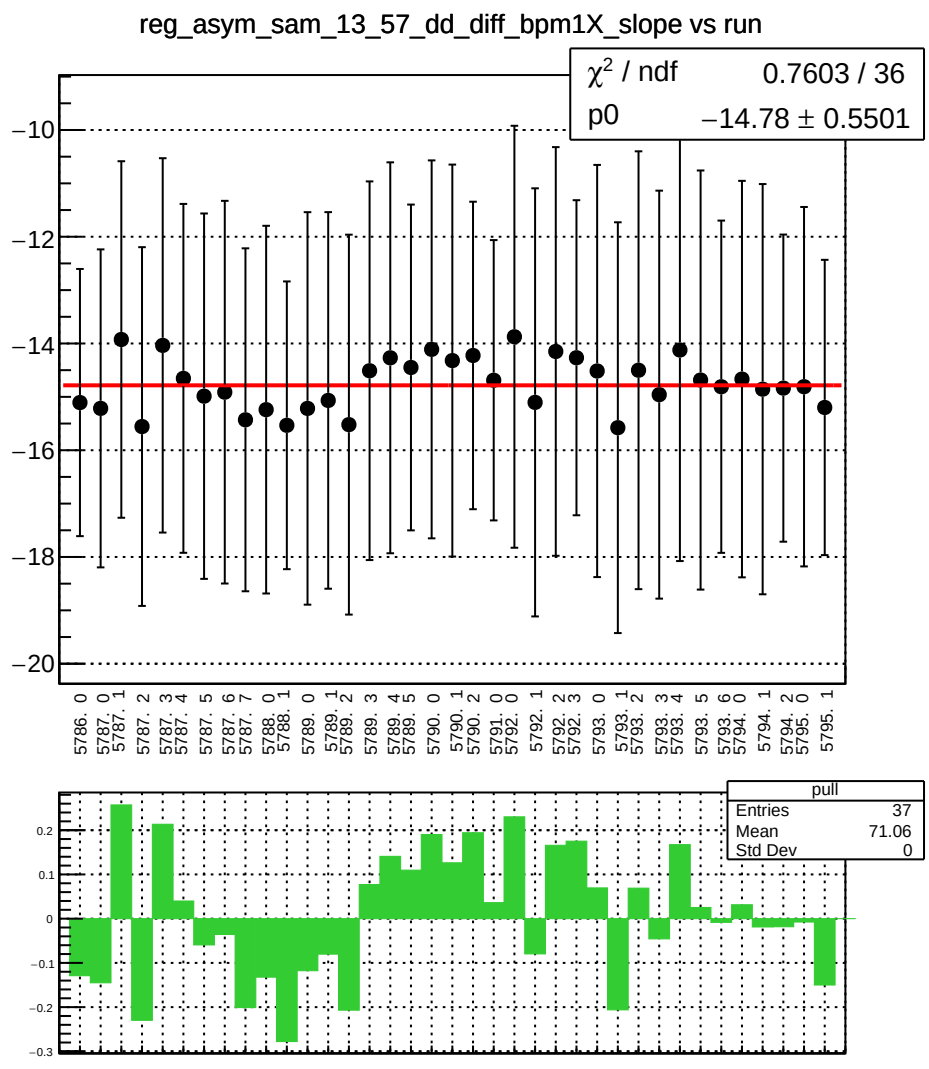

reg_asym_sam_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 1.799 / 36
p0 29.73 ± 1.389
45
40
35
30
25
20
15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull
Entries 37
Mean −193.2
Std Dev 0
pull1D
Entries 37
Mean 0.002035
Std Dev 0.2205
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

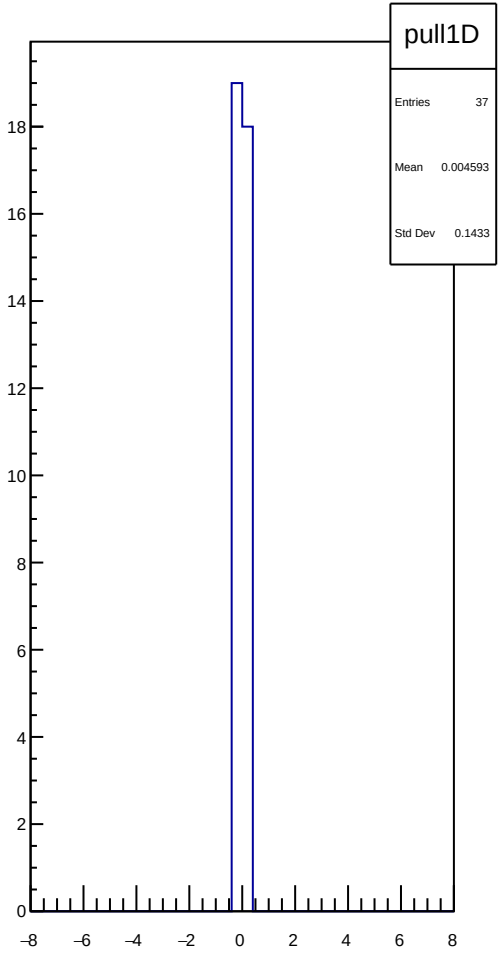

reg_asym_sam_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.093 / 36
p0 −36.68 ± 1.298
−25
−30
−35
−40
−45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −112.1
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 37
Mean 0.006238
Std Dev 0.1718
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

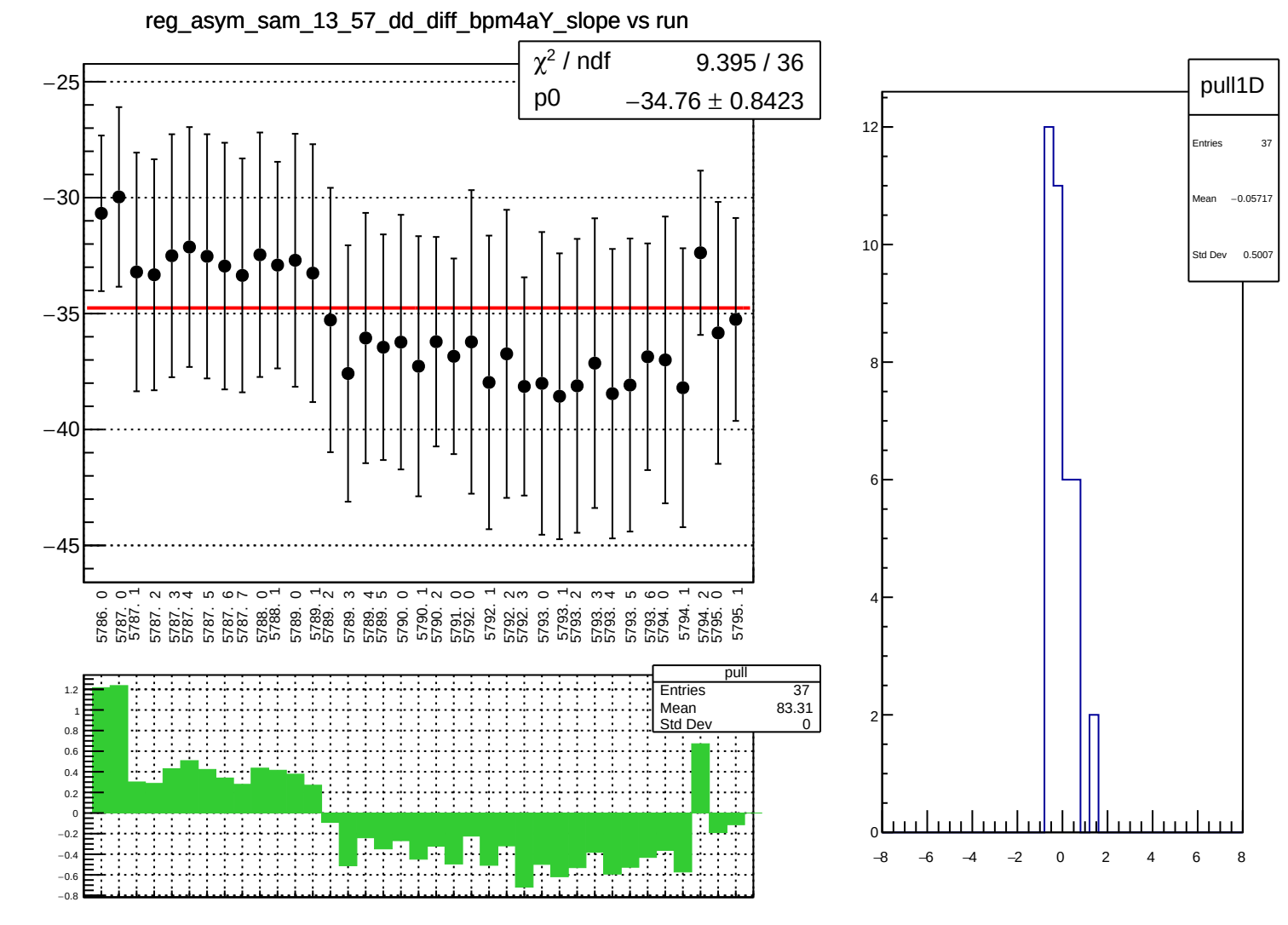

reg_asym_sam_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 2.316 / 36
p0 50.22 ± 1.522
70
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −62.78
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4

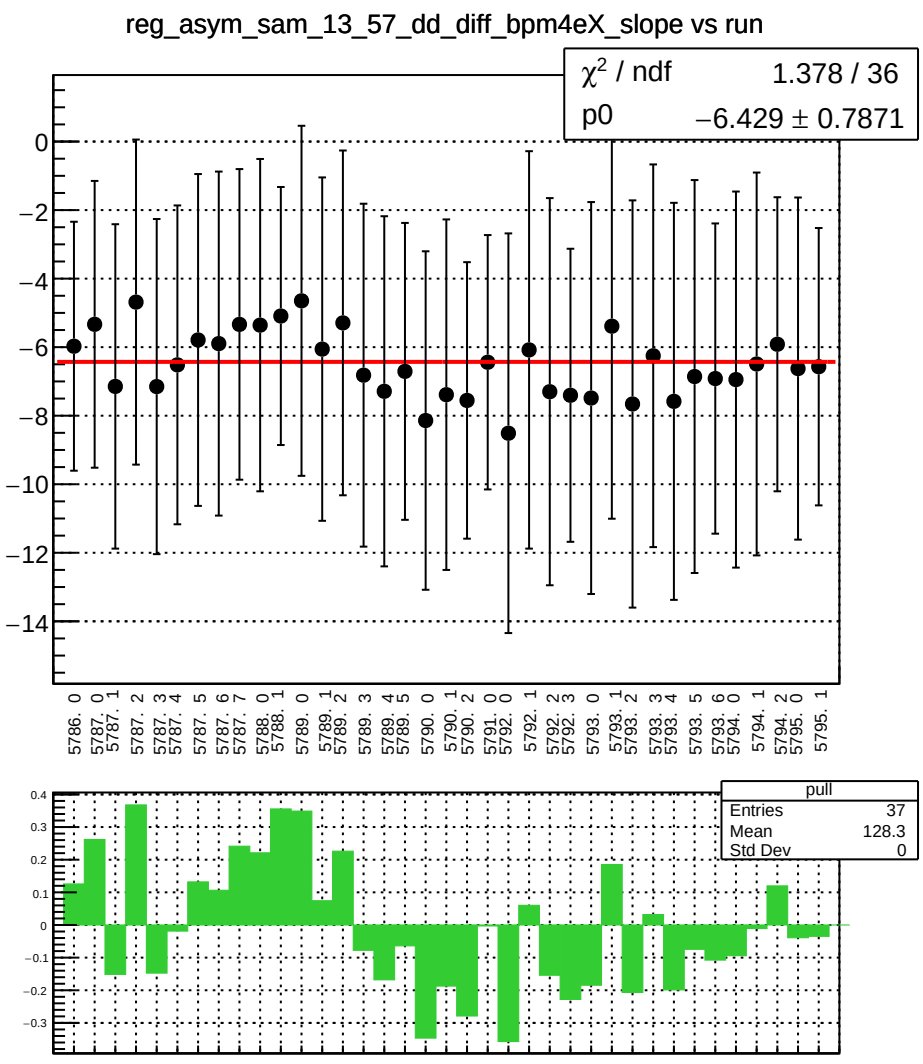

pull1D
Entries 37
Mean −0.01454
Std Dev 0.2498
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

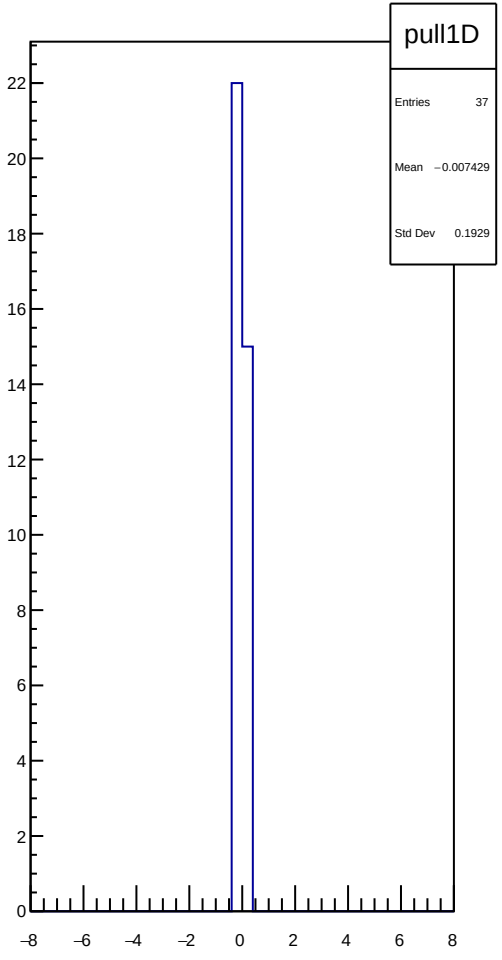

reg_asym_sam_48_dd_diff_bpm12X_slope vs run
χ² / ndf 1.28 / 36
p0 −0.3156 ± 0.1077
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −44.91
Std Dev 0
0.6
0.5
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
pull1D
Entries 37
Mean −0.01351
Std Dev 0.1855
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

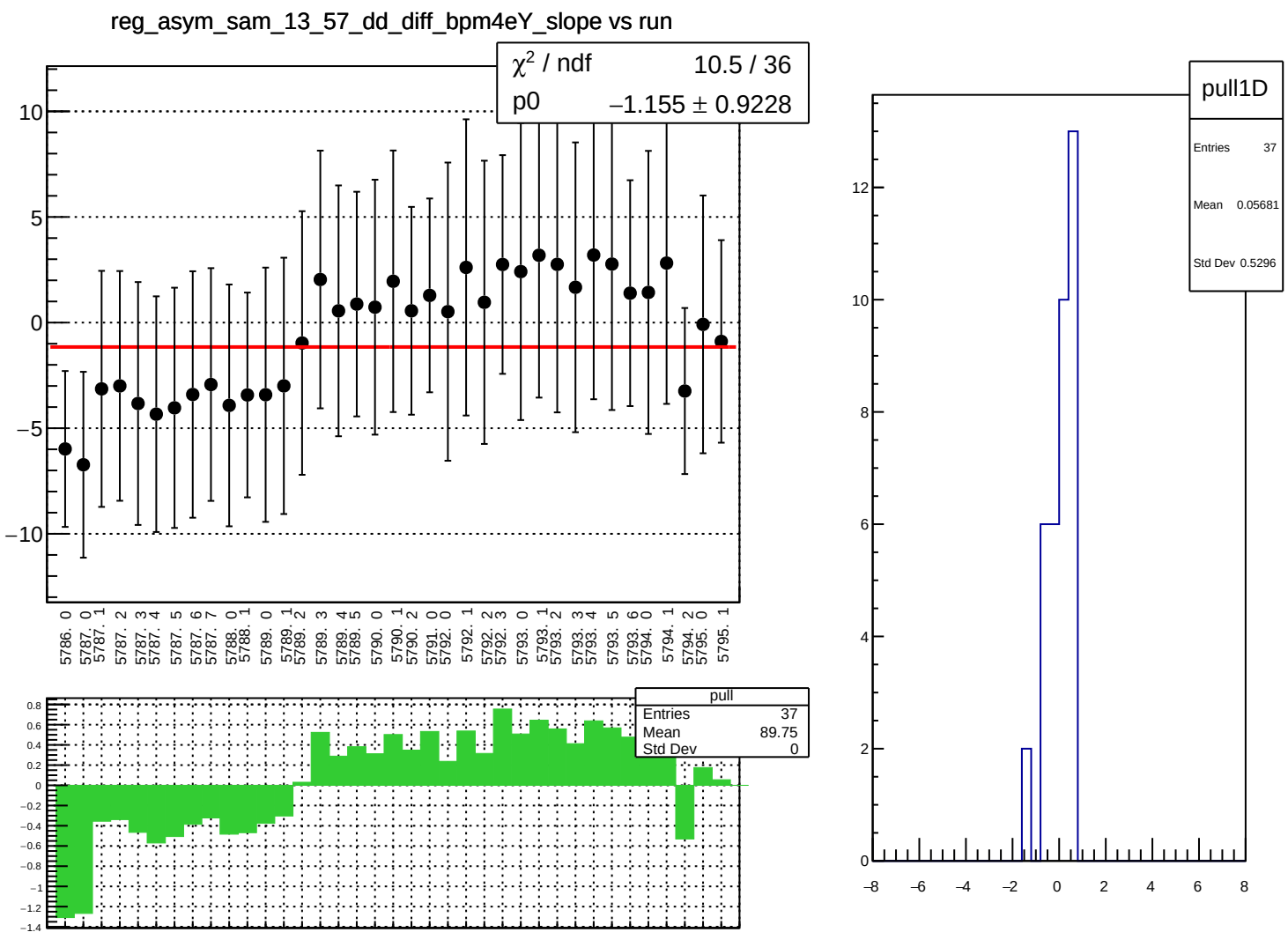

reg_asym_sam_13_57_dd_diff_bpm1X_slope vs run
χ² / ndf 0.7603 / 36
p0 −14.78 ± 0.5501
−10
−12
−14
−16
−18
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.06
Std Dev 0
0.2
0.1
0
−0.1
−0.2
−0.3

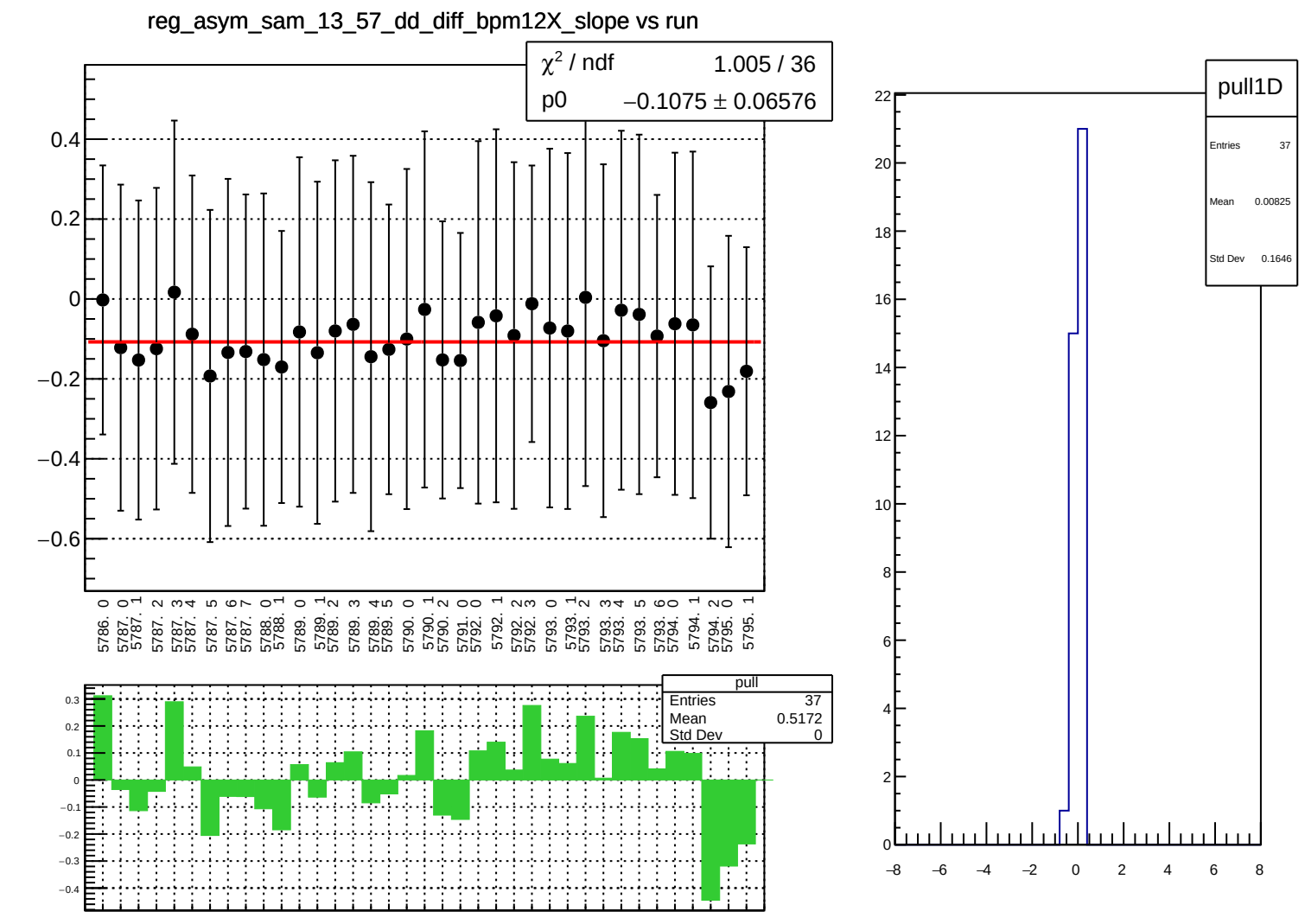

pull1D
Entries 37
Mean 0.004593
Std Dev 0.1433
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

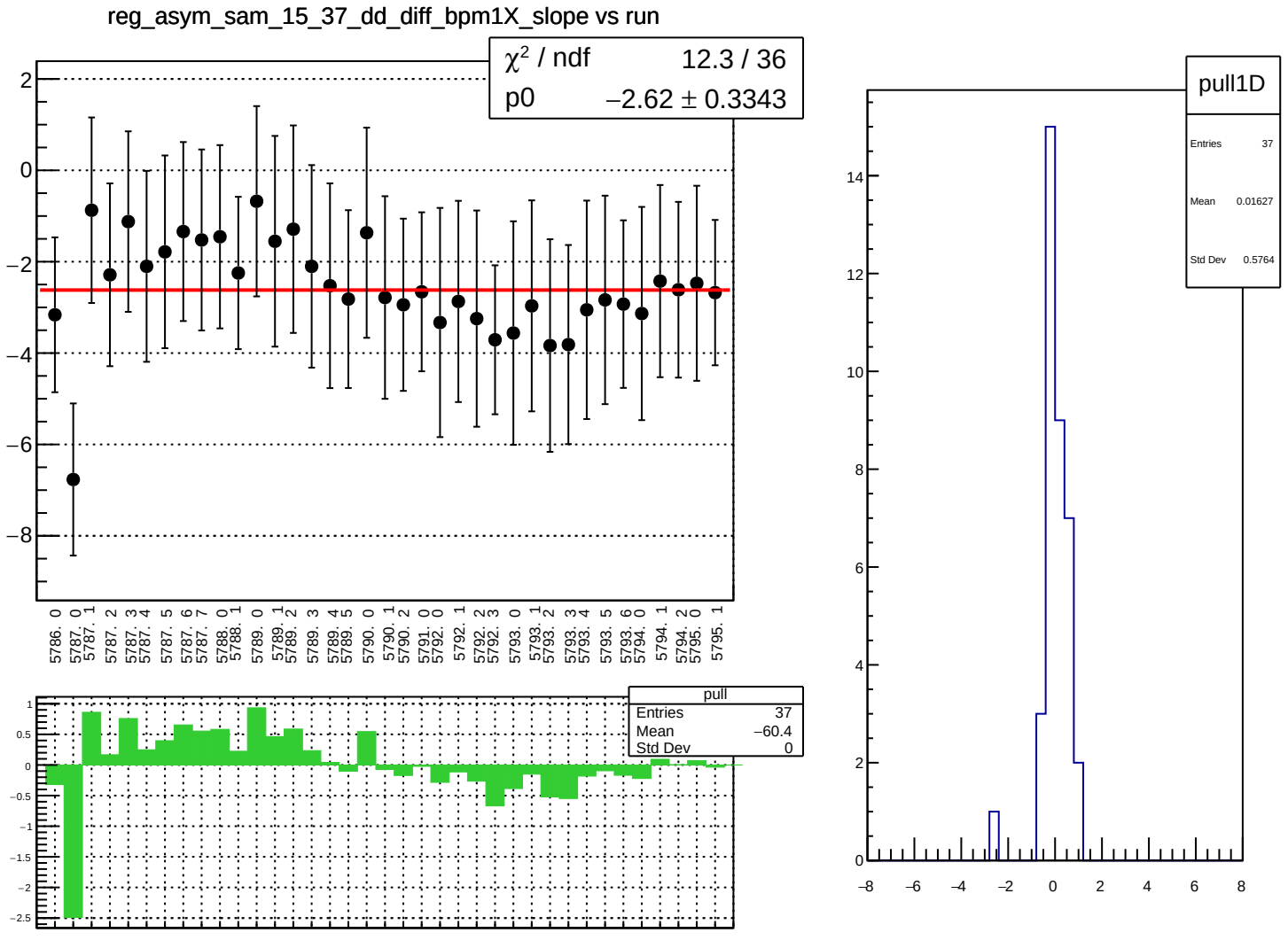

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.395 / 36
p0 −34.76 ± 0.8423
−25
−30
−35
−40
−45
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 83.31
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 37
Mean −0.05717
Std Dev 0.5007
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

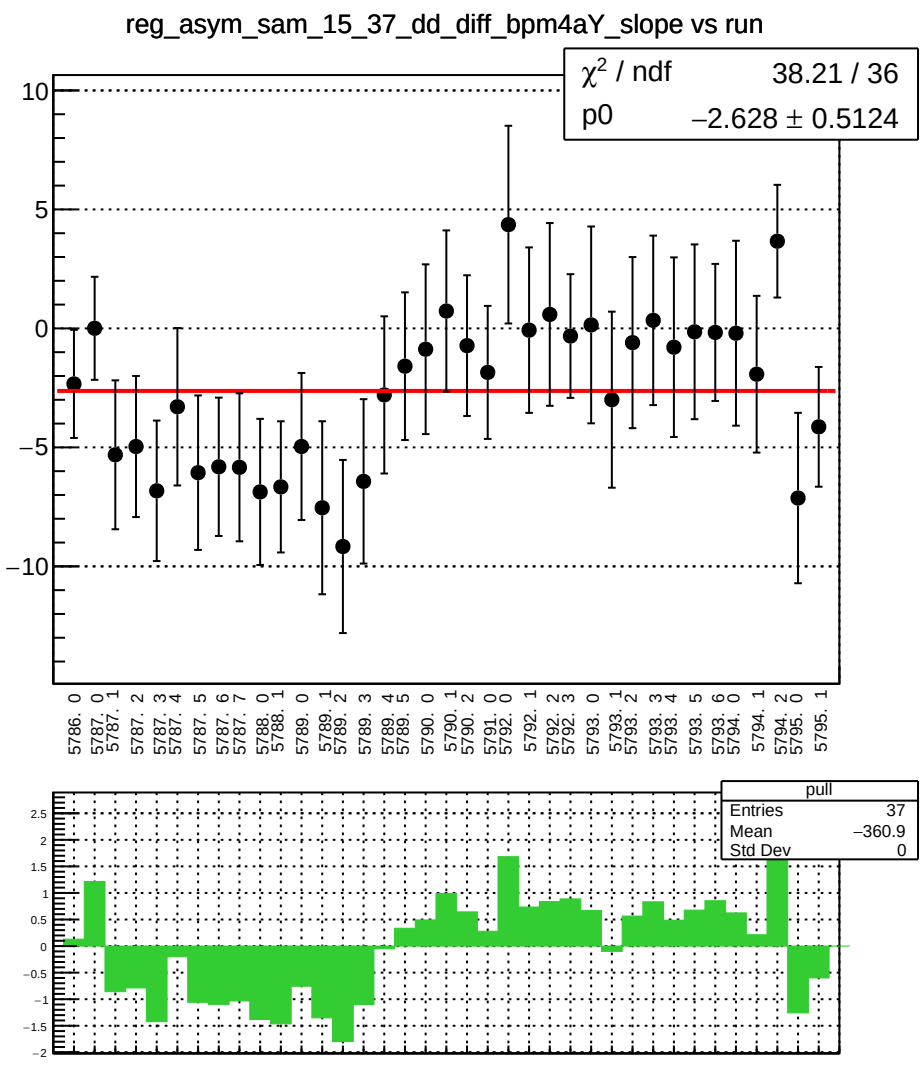

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs run
χ² / ndf 1.378 / 36
p0 −6.429 ± 0.7871
pull
Entries 37
Mean 128.3
Std Dev 0

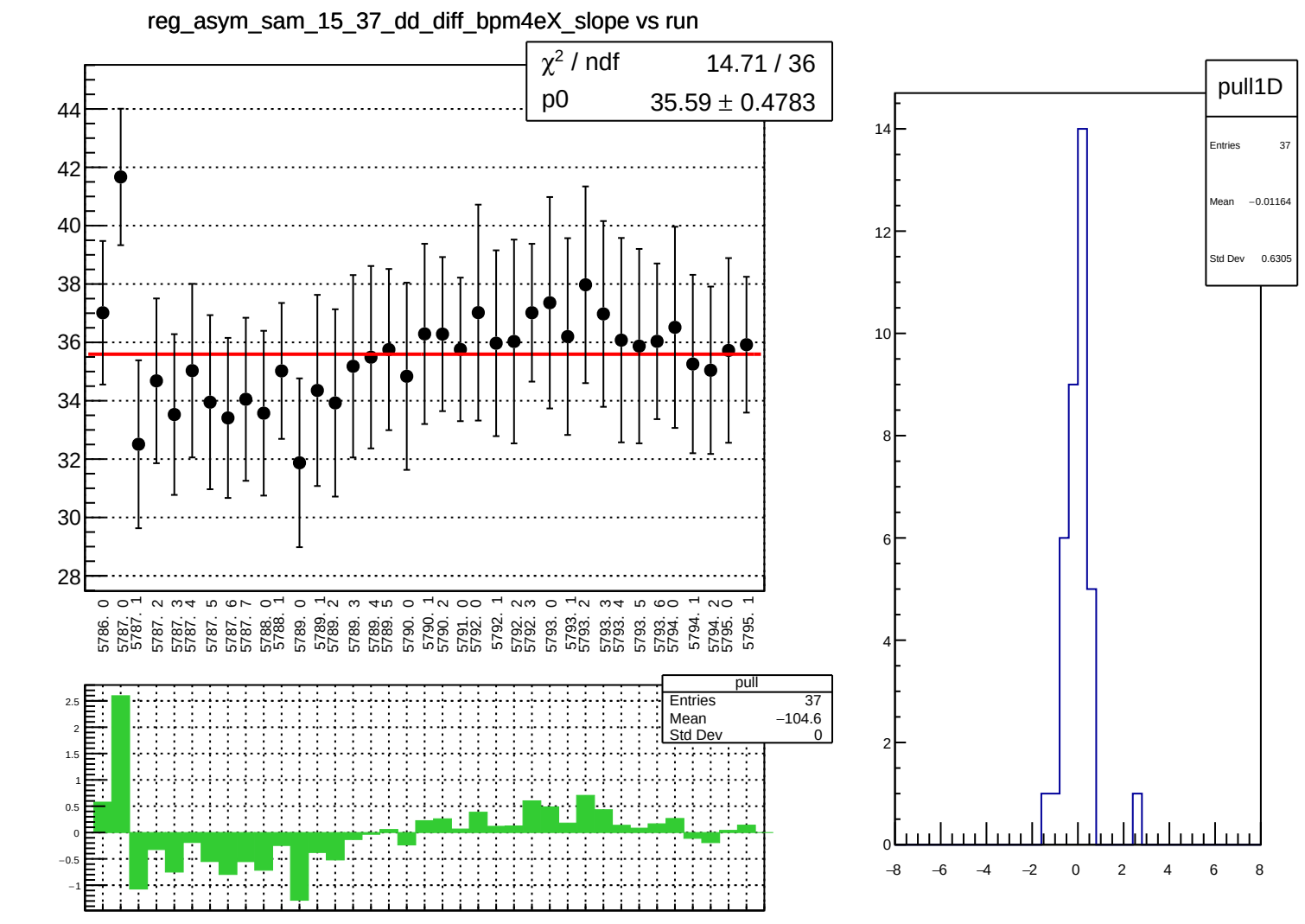

pull1D
Entries 37
Mean −0.007429
Std Dev 0.1929

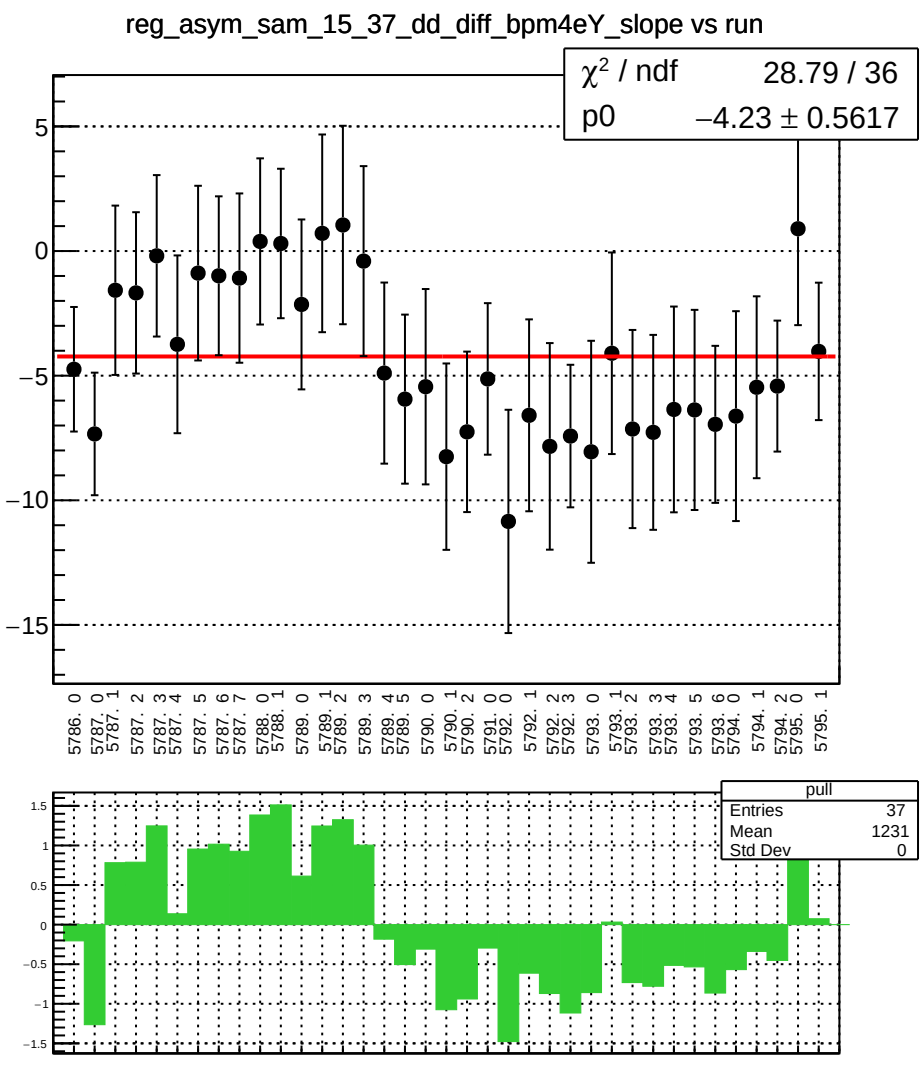

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs run
χ² / ndf 10.5 / 36
p0 −1.155 ± 0.9228
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 89.75
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 37
Mean 0.05681
Std Dev 0.5296
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

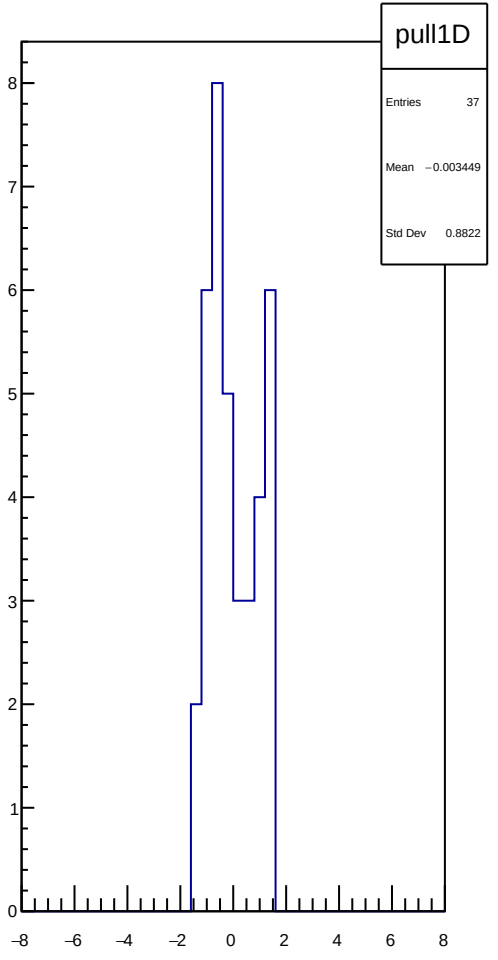

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs run
χ² / ndf 1.005 / 36
p0 −0.1075 ± 0.06576
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 0.5172
Std Dev 0
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
pull1D
Entries 37
Mean 0.00825
Std Dev 0.1646
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

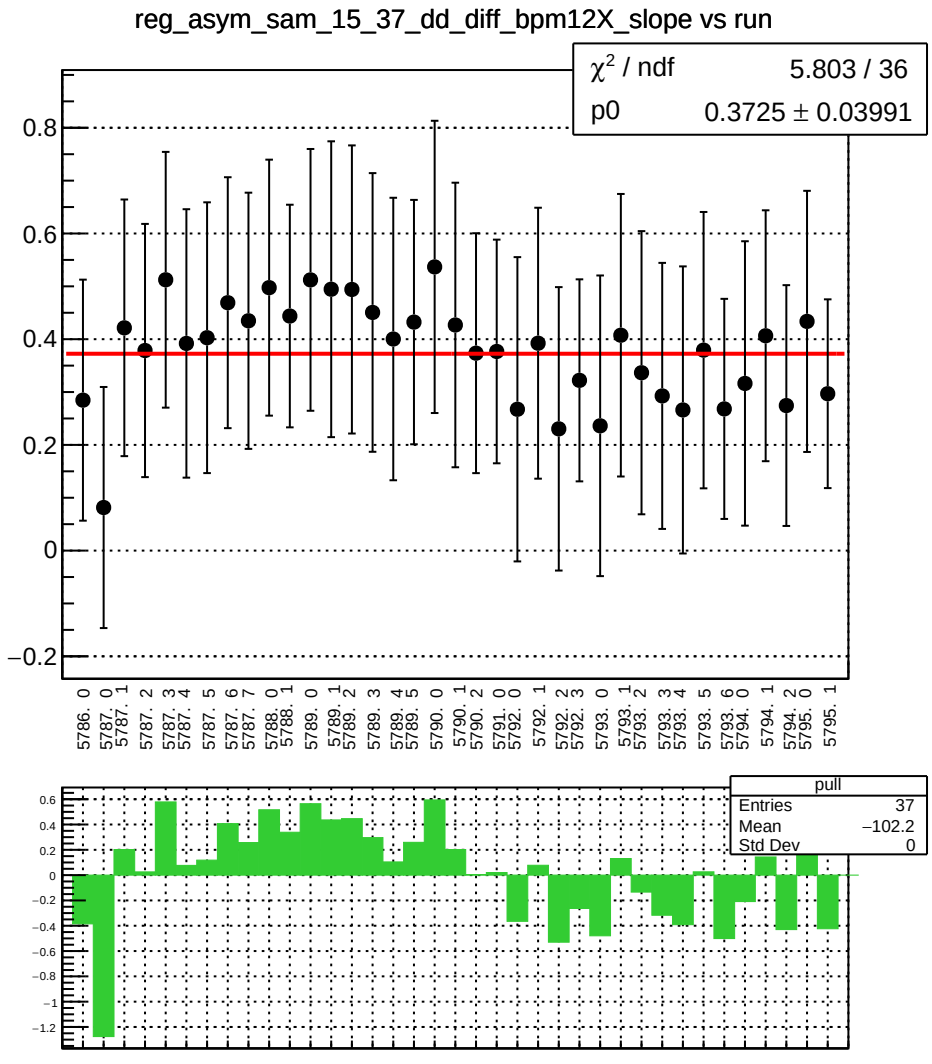

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs run
χ² / ndf 12.3 / 36
p0 −2.62 ± 0.3343
pull
Entries 37
Mean −60.4
Std Dev 0
pull1D
Entries 37
Mean 0.01627
Std Dev 0.5764

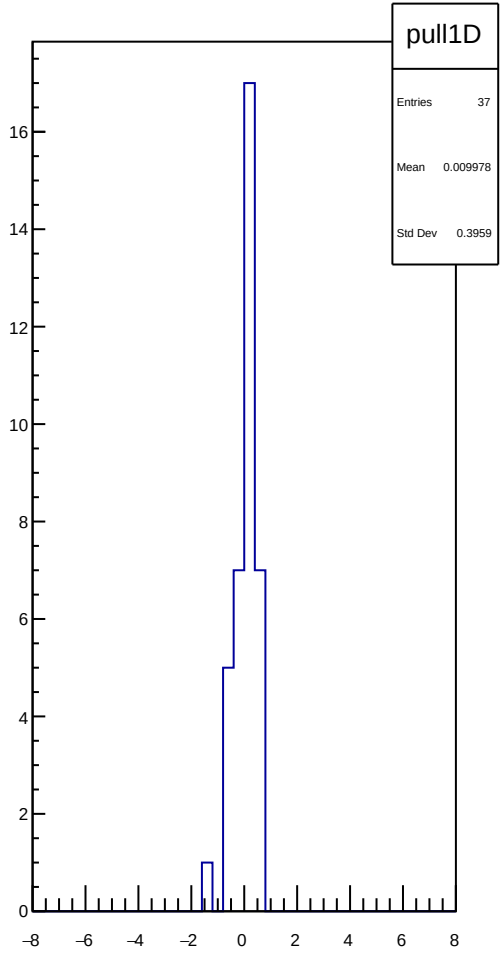

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs run
χ² / ndf 38.21 / 36
p0 −2.628 ± 0.5124
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −360.9
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean −0.01375
Std Dev 1.016
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

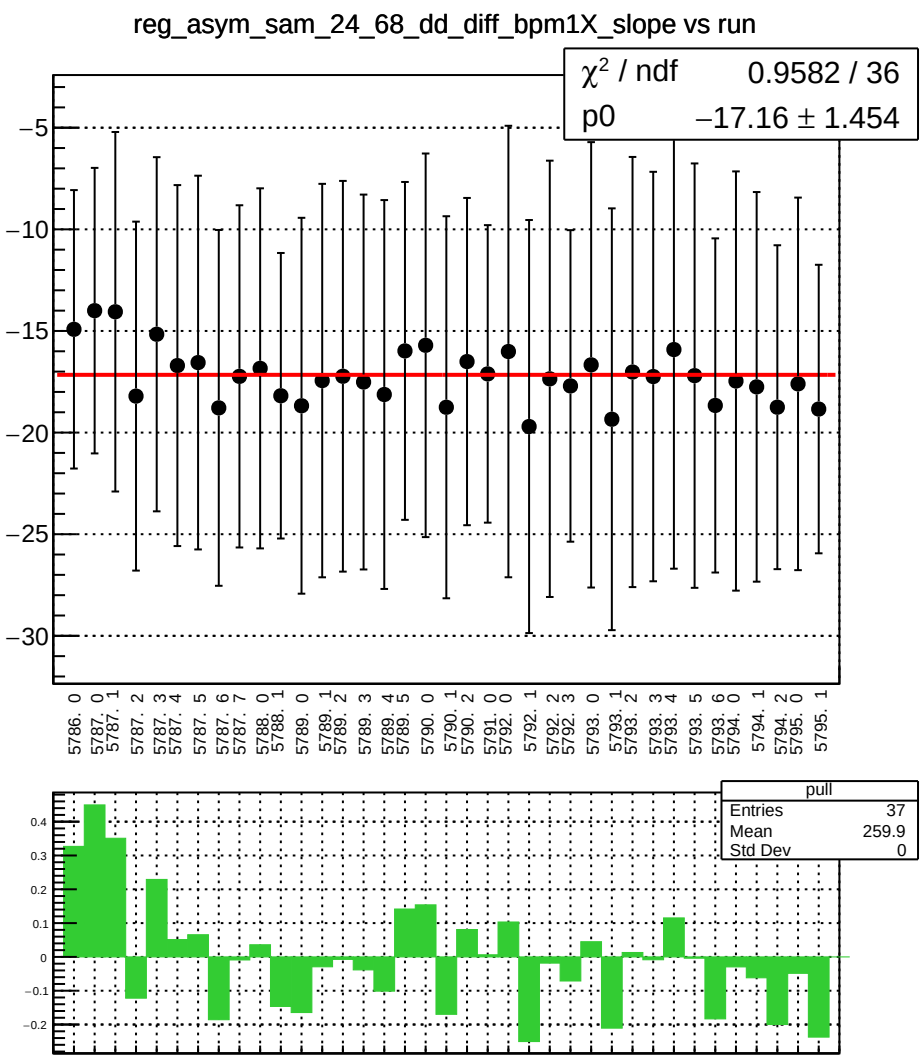

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.71 / 36
p0 35.59 ± 0.4783
pull
Entries 37
Mean −104.6
Std Dev 0
pull1D
Entries 37
Mean −0.01164
Std Dev 0.6305

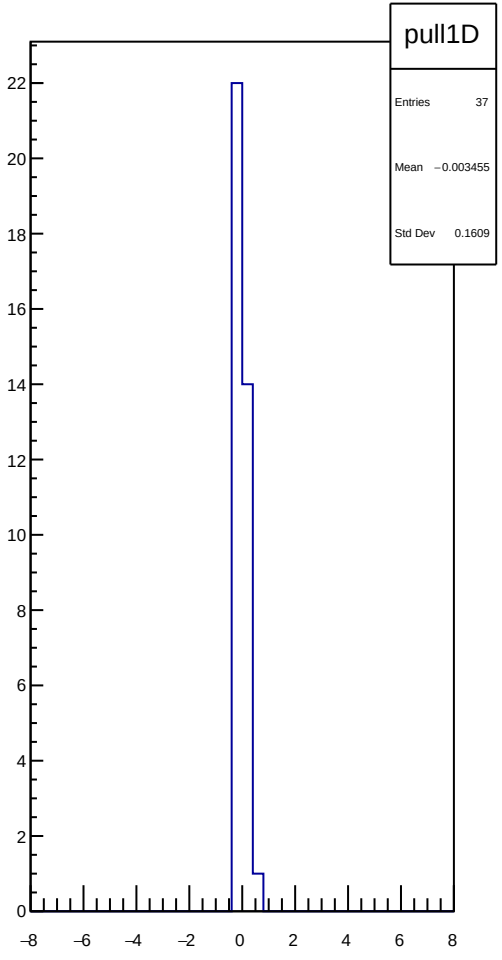

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.79 / 36
p0 −4.23 ± 0.5617
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1231
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5

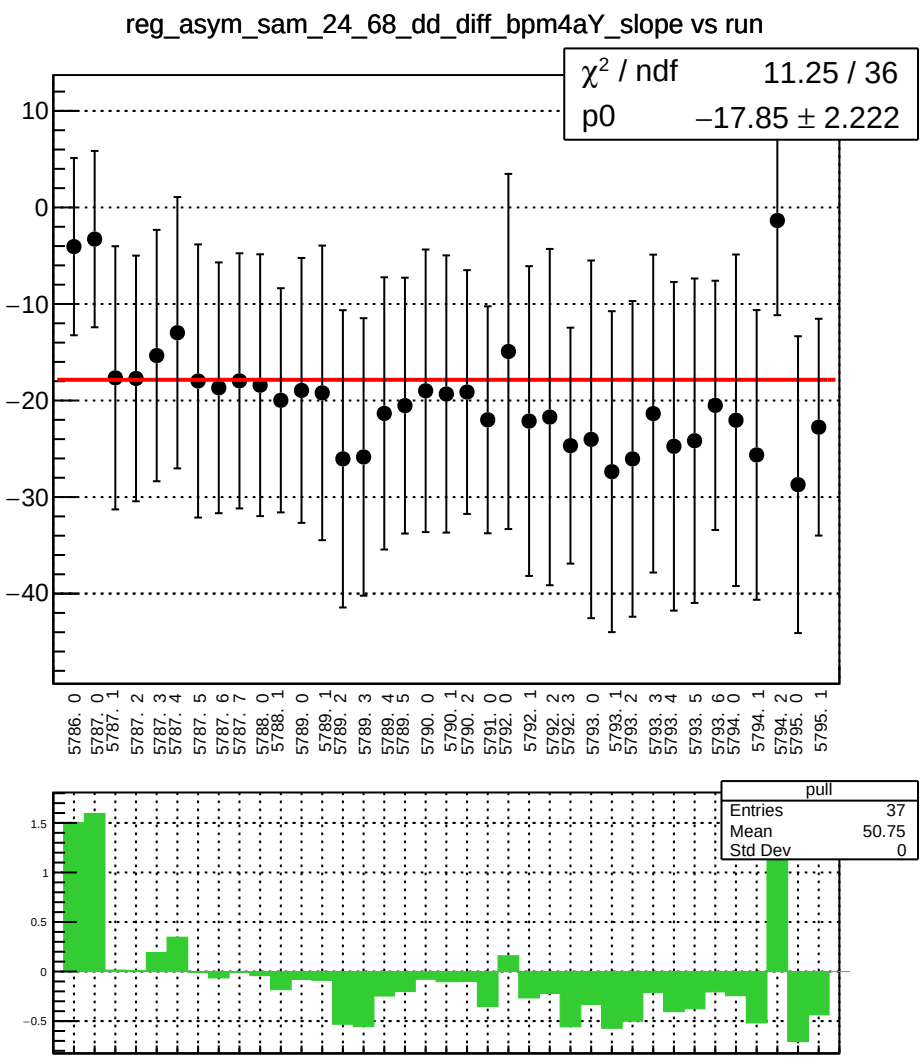

pull1D
Entries 37
Mean −0.003449
Std Dev 0.8822
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

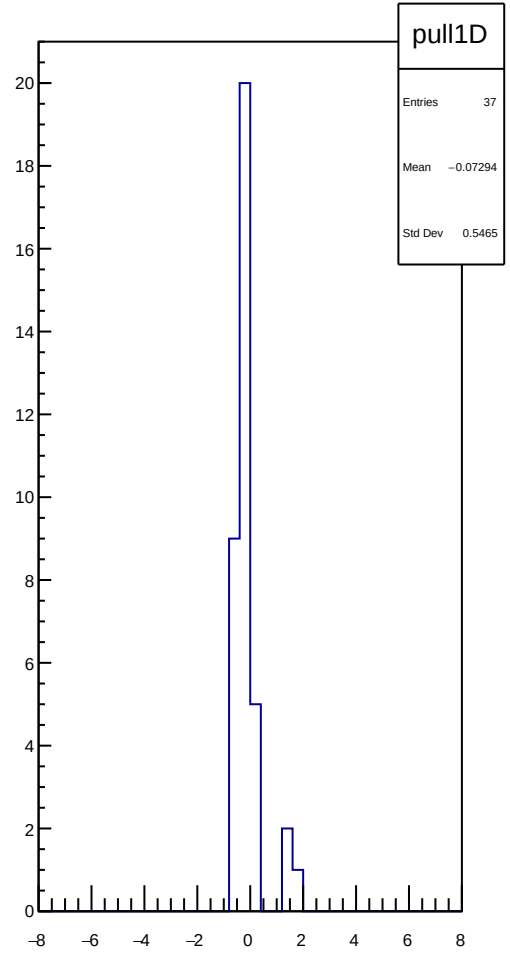

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs run
χ² / ndf 5.803 / 36
p0 0.3725 ± 0.03991
pull
Entries 37
Mean −102.2
Std Dev 0

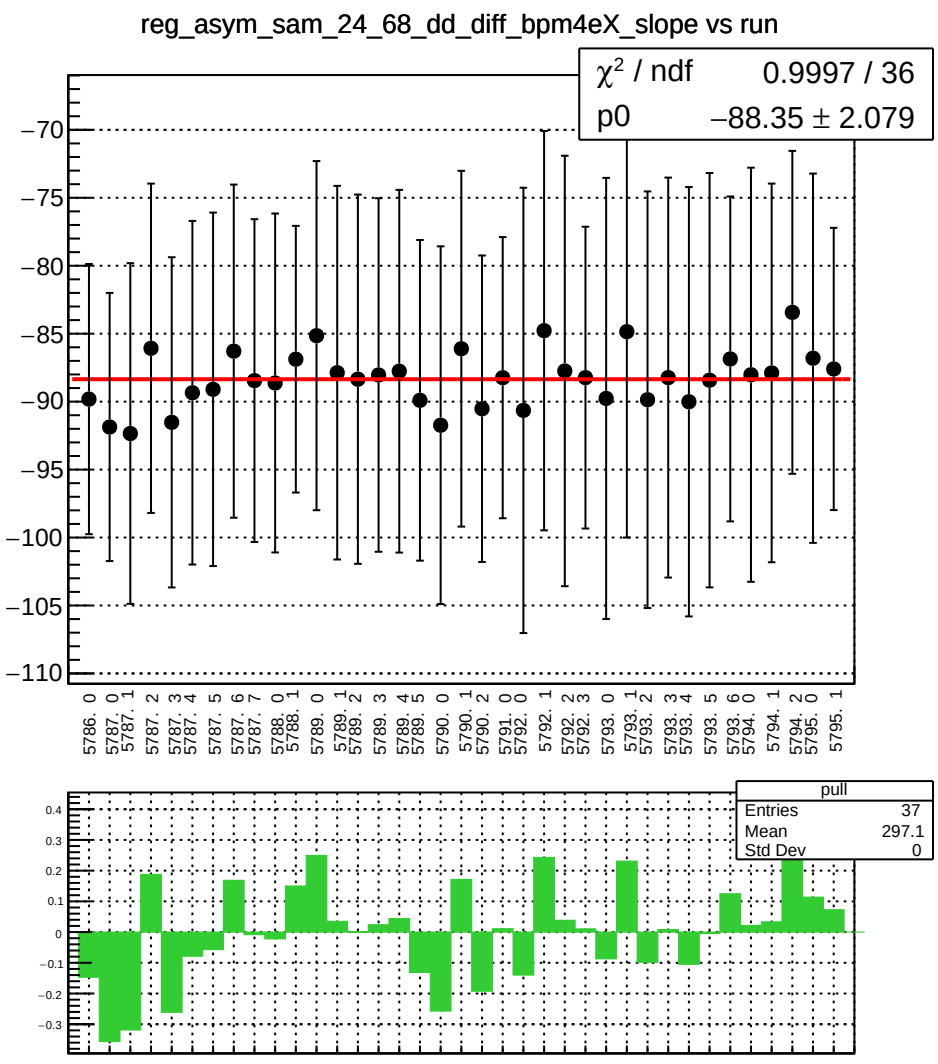

pull1D
Entries 37
Mean 0.009978
Std Dev 0.3959

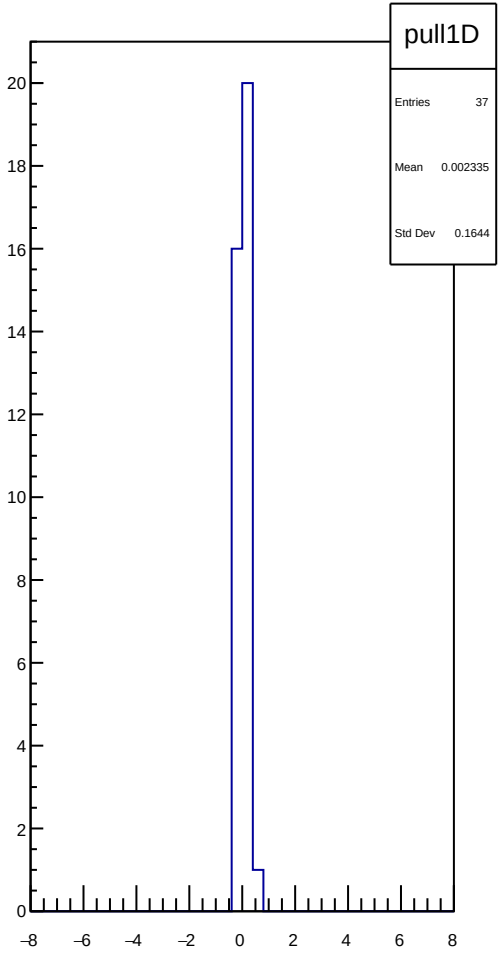

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs run
χ² / ndf 0.9582 / 36
p0 −17.16 ± 1.454
pull
Entries 37
Mean 259.9
Std Dev 0

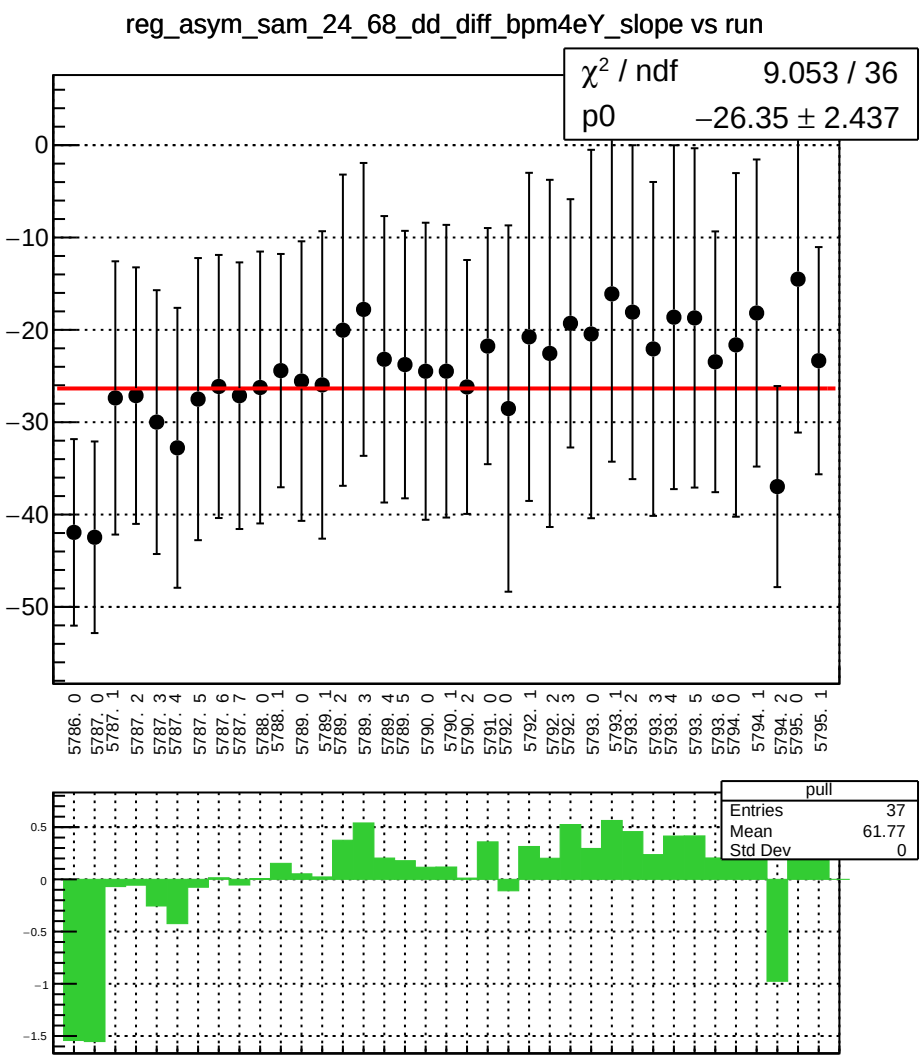

pull1D
Entries 37
Mean −0.003455
Std Dev 0.1609

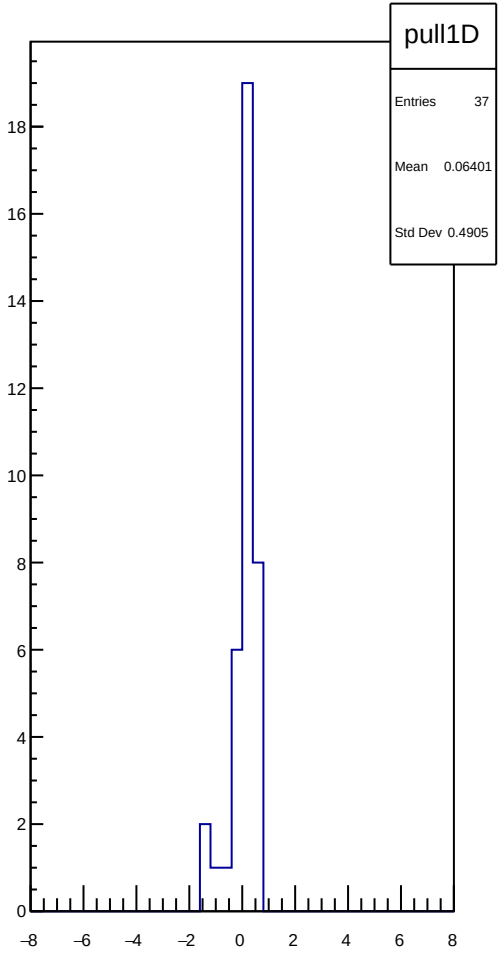

reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.25 / 36
p0 −17.85 ± 2.222
pull
Entries 37
Mean 50.75
Std Dev 0

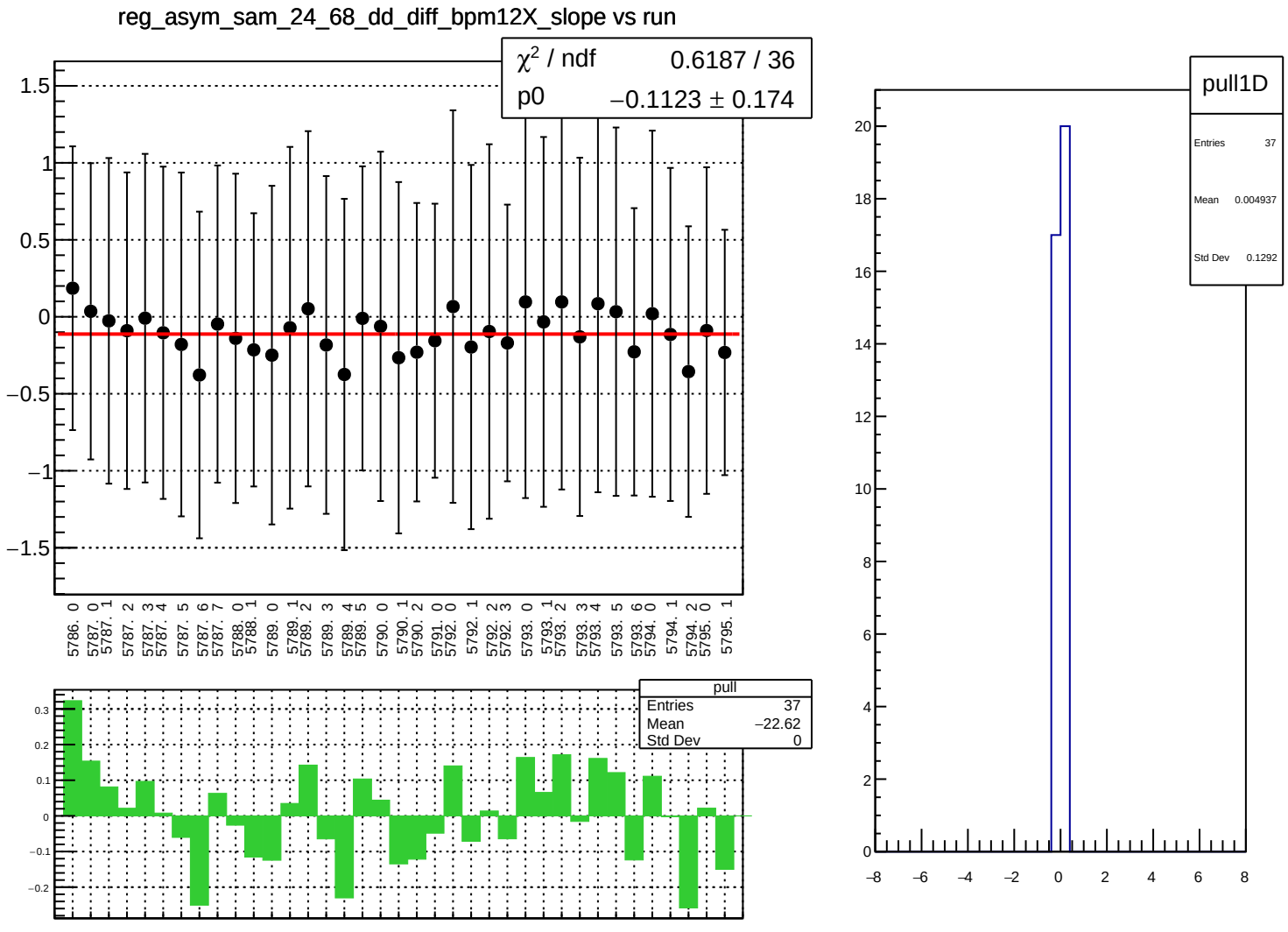

pull1D
Entries 37
Mean −0.07294
Std Dev 0.5465

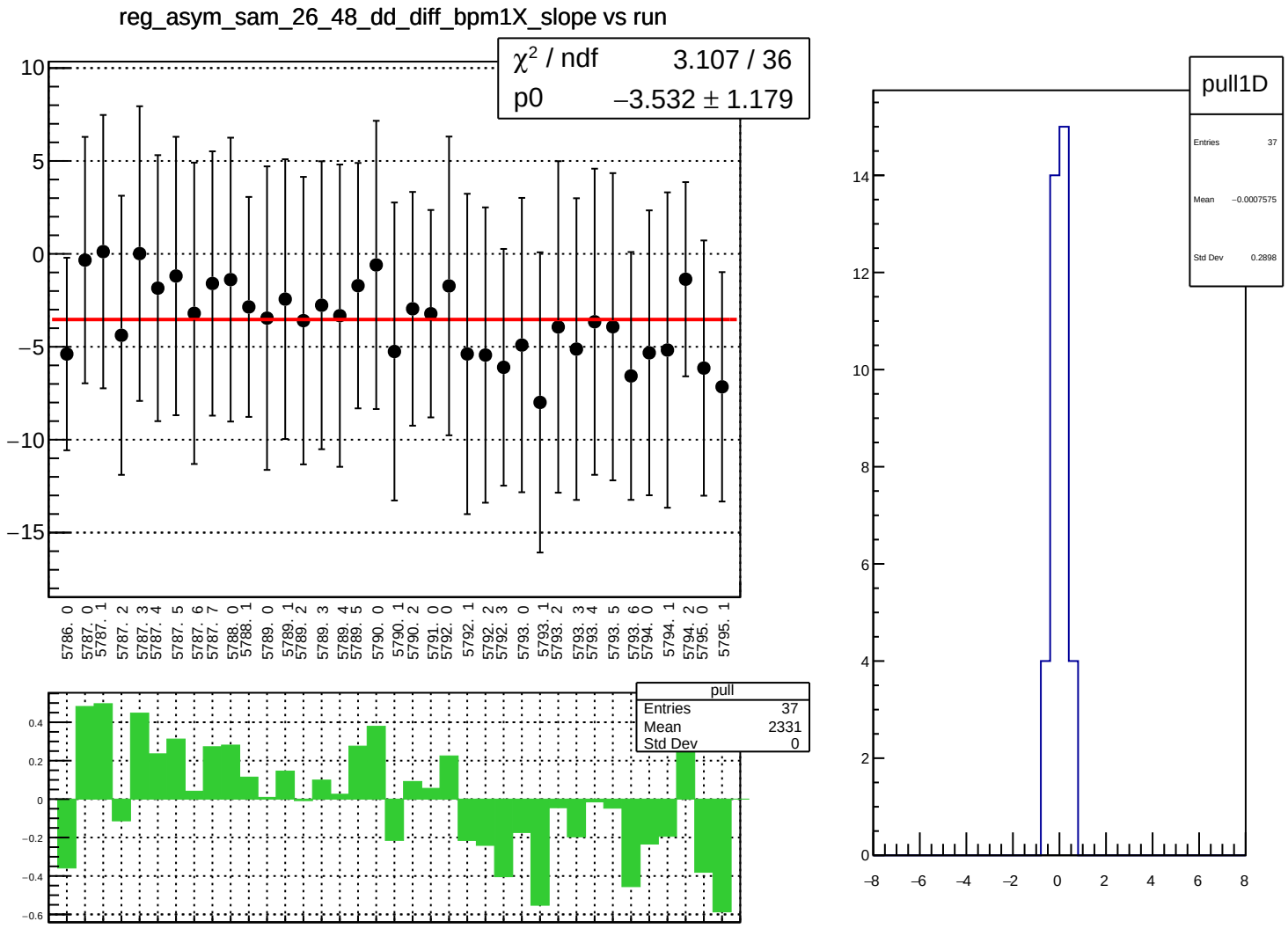

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs run
χ² / ndf 0.9997 / 36
p0 −88.35 ± 2.079
−70
−75
−80
−85
−90
−95
−100
−105
−110
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 297.1
Std Dev 0
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3

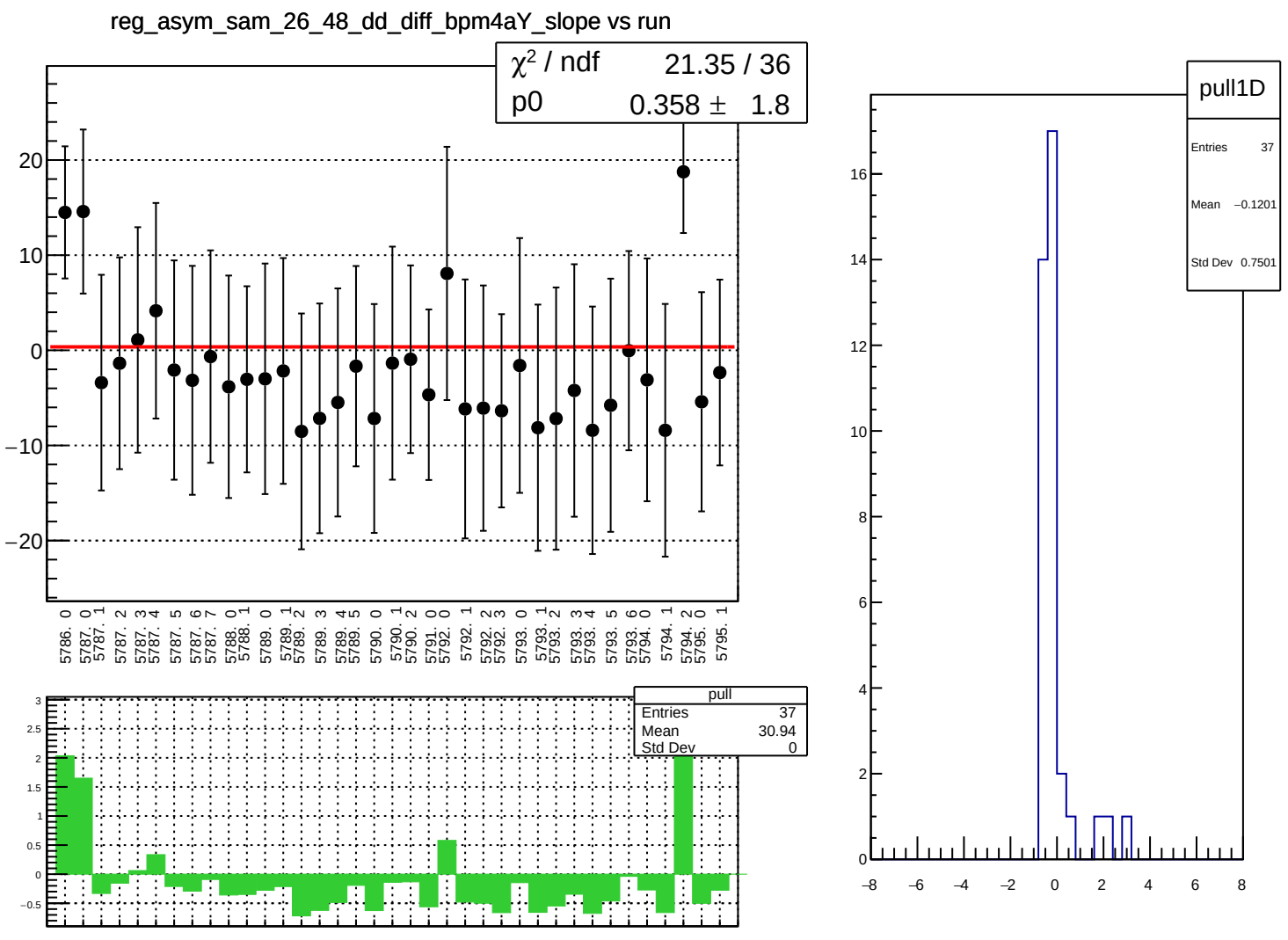

pull1D
Entries 37
Mean 0.002335
Std Dev 0.1644
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

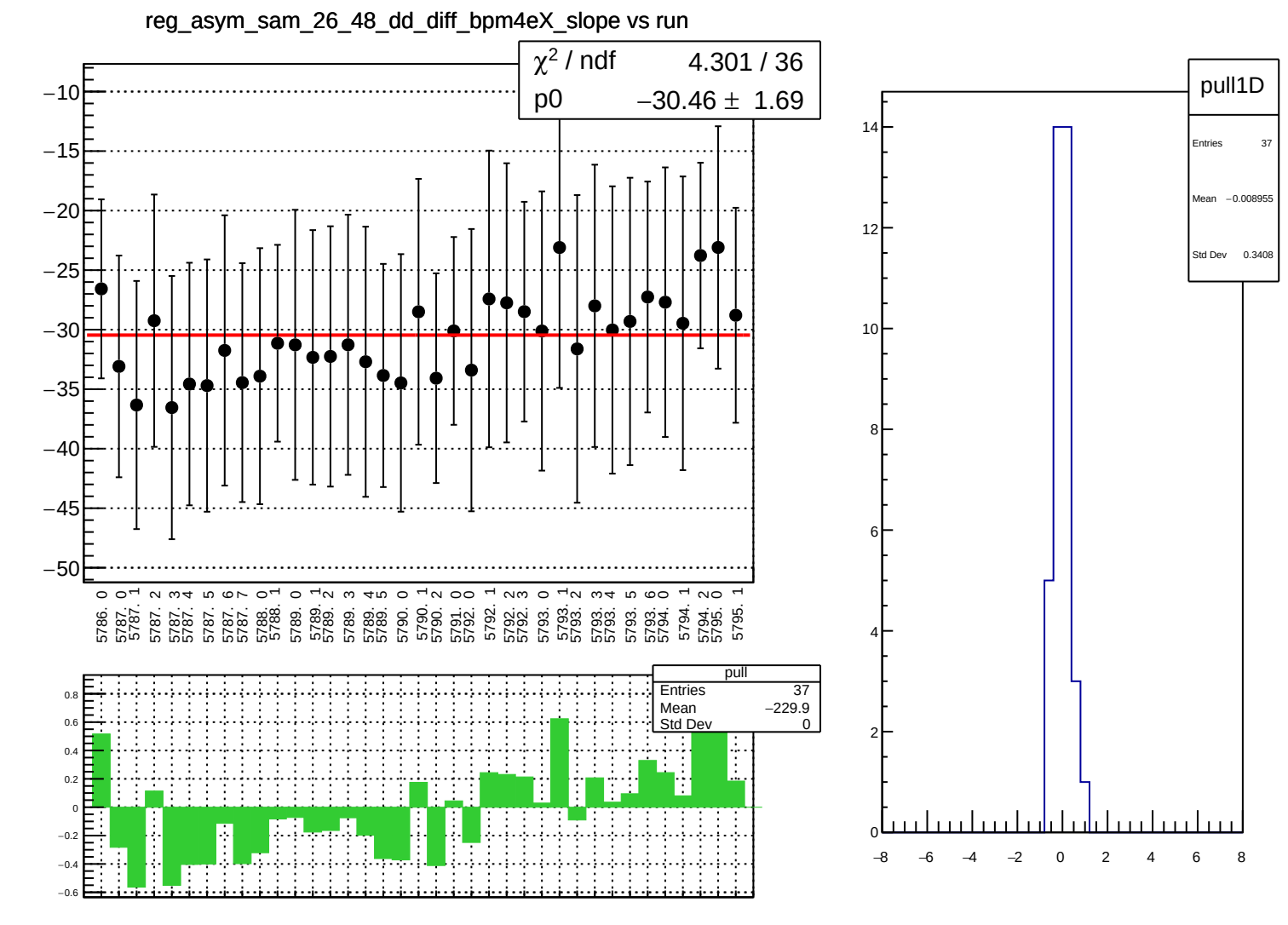

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.053 / 36
p0 −26.35 ± 2.437
0
−10
−20
−30
−40
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 61.77
Std Dev 0
0.5
0
−0.5
−1
−1.5

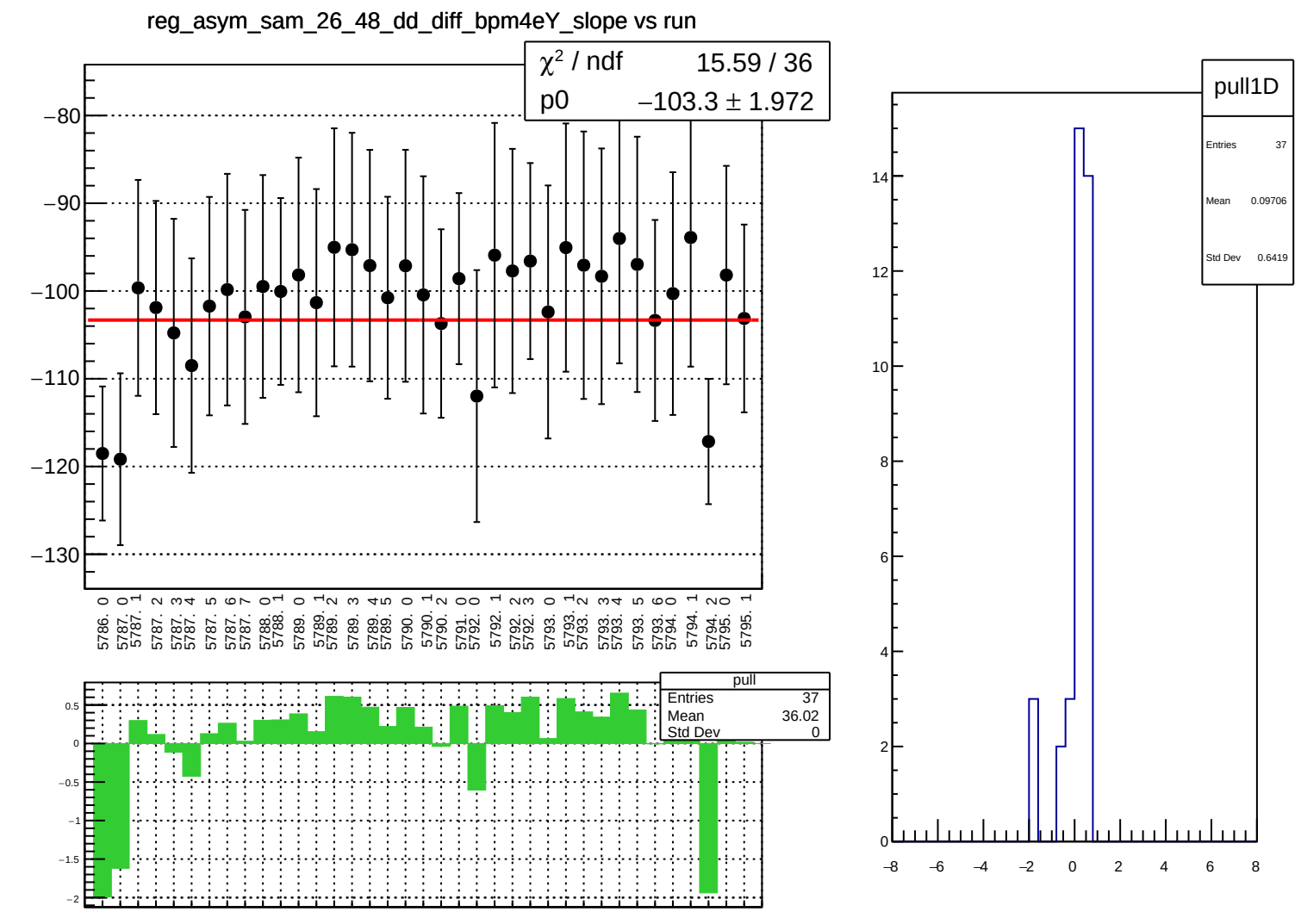

pull1D
Entries 37
Mean 0.06401
Std Dev 0.4905
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

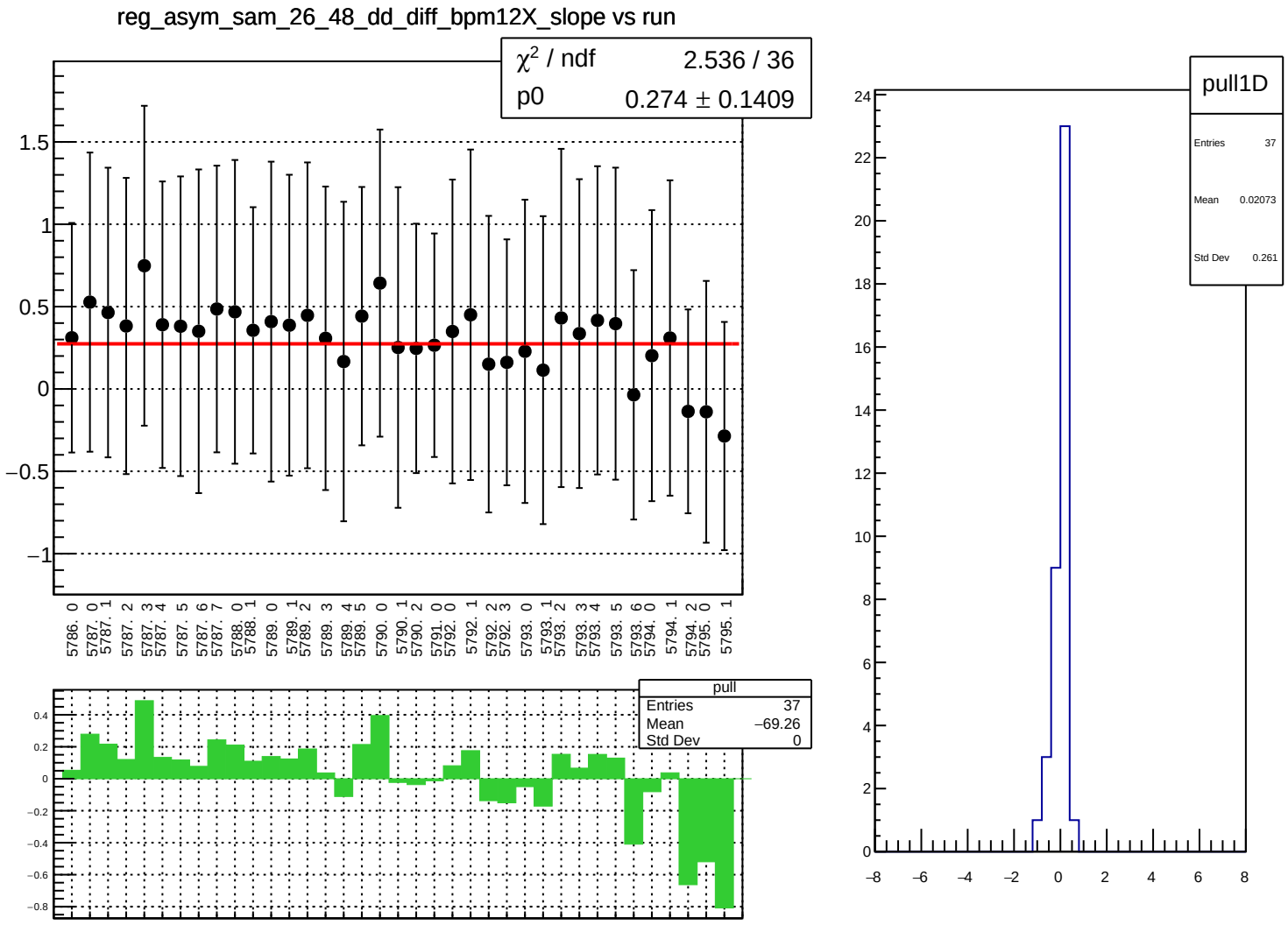

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs run
χ² / ndf 0.6187 / 36
p0 −0.1123 ± 0.174
pull
Entries 37
Mean −22.62
Std Dev 0
pull1D
Entries 37
Mean 0.004937
Std Dev 0.1292

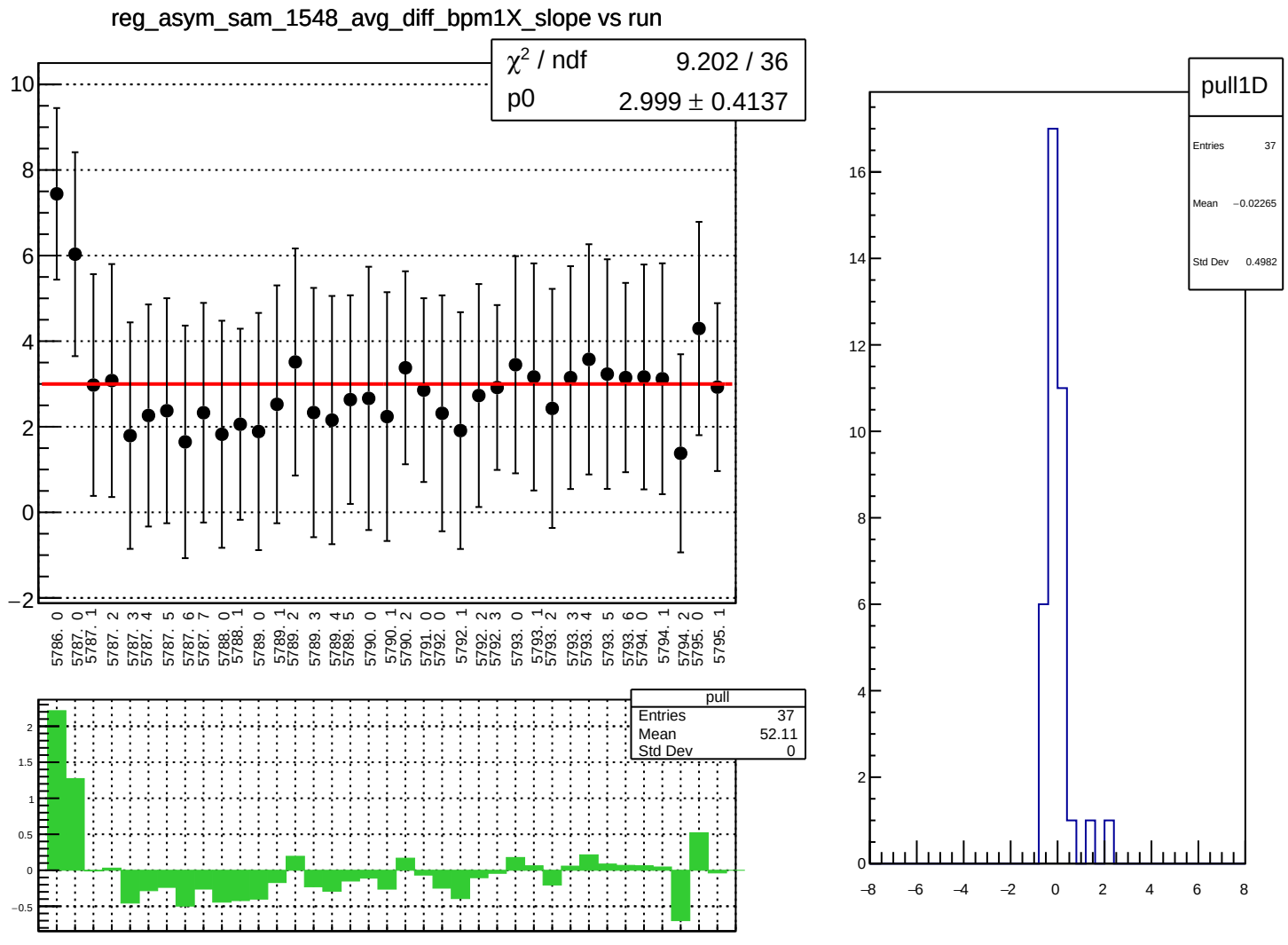

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs run
χ² / ndf 3.107 / 36
p0 −3.532 ± 1.179
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 2331
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.0007575
Std Dev 0.2898
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

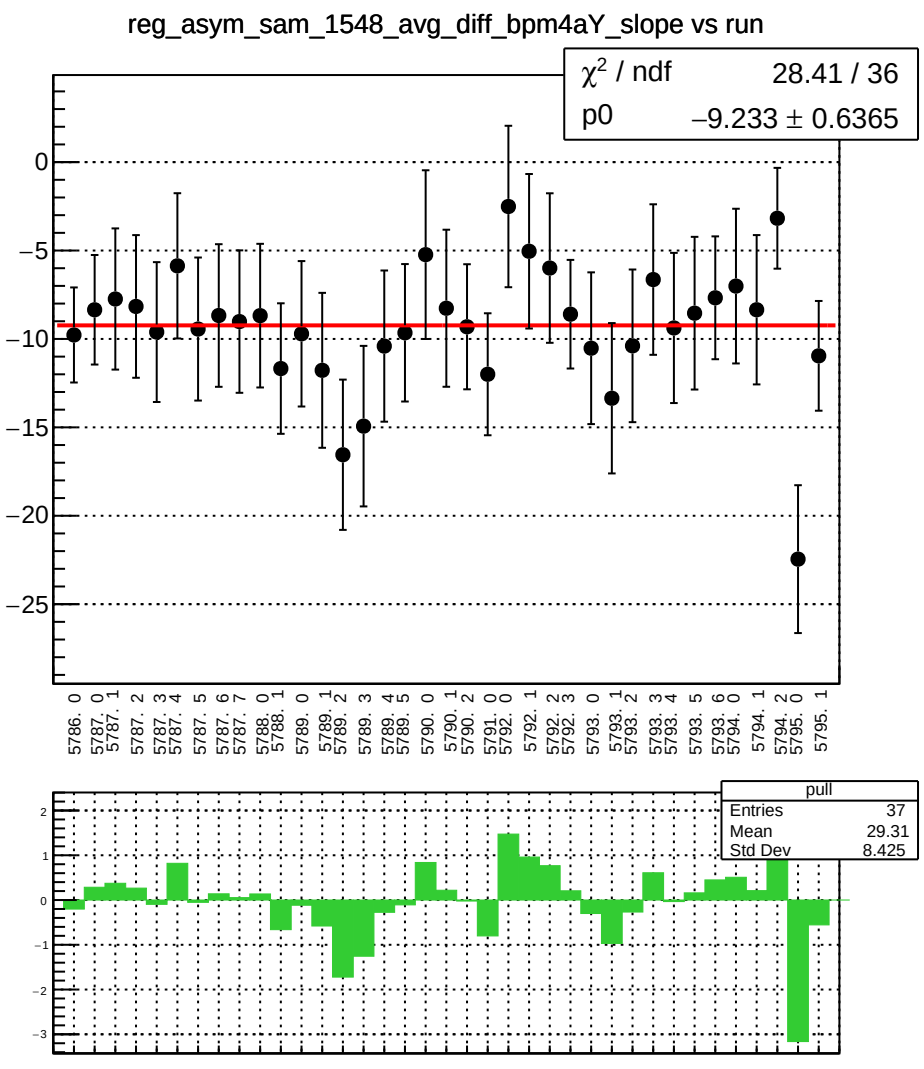

reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.35 / 36
p0 0.358 ± 1.8
20
10
0
−10
−20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 30.94
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.1201
Std Dev 0.7501
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

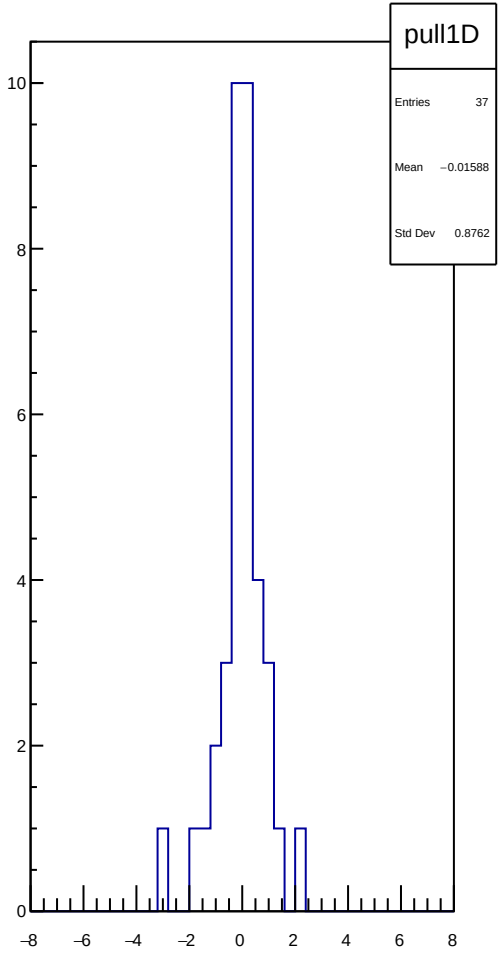

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.301 / 36
p0 −30.46 ± 1.69
pull
Entries 37
Mean −229.9
Std Dev 0
pull1D
Entries 37
Mean −0.008955
Std Dev 0.3408

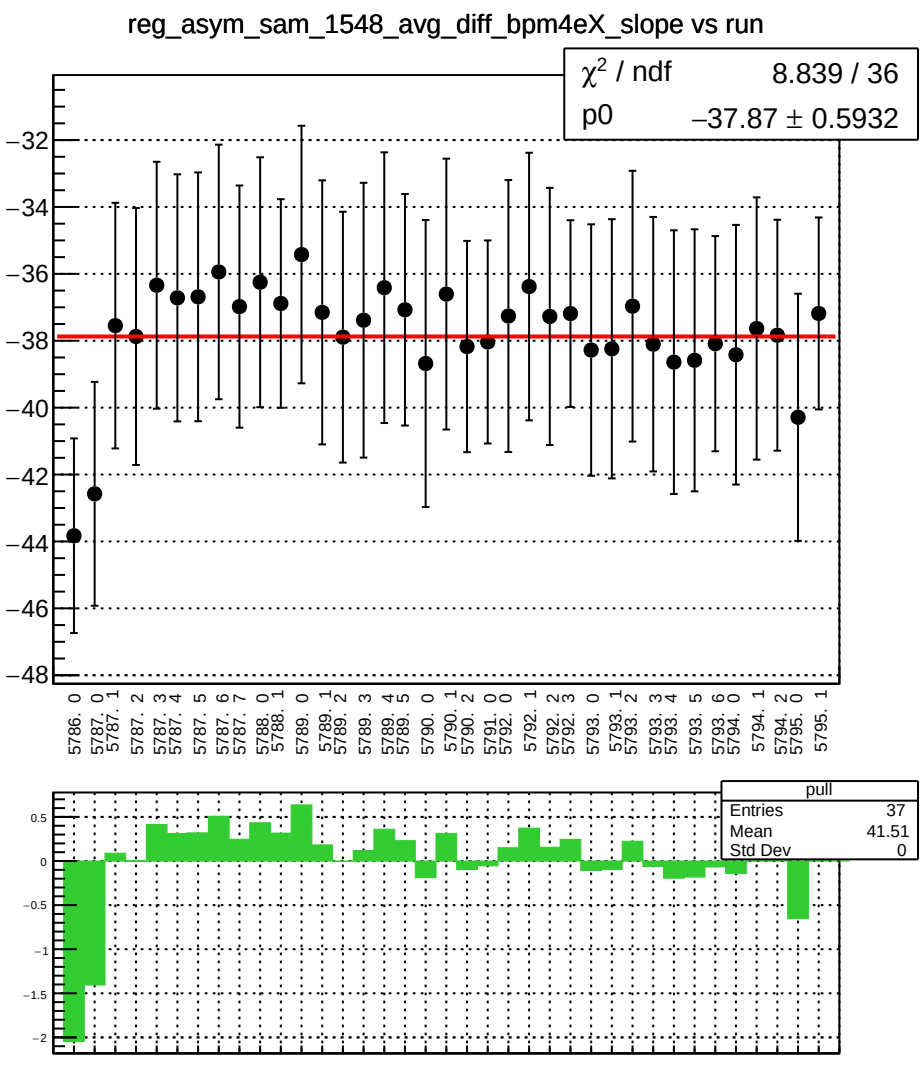

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 15.59 / 36
p0 −103.3 ± 1.972
−80
−90
−100
−110
−120
−130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 36.02
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.09706
Std Dev 0.6419
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

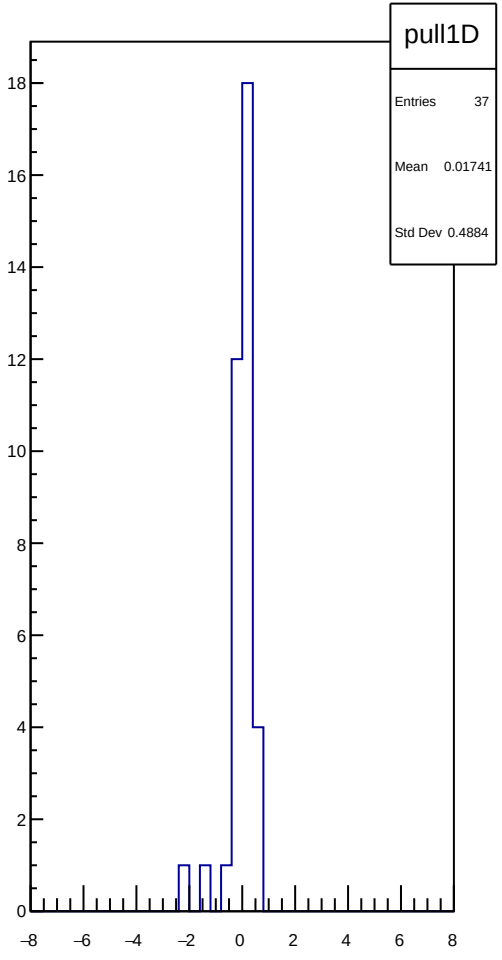

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs run
χ² / ndf 2.536 / 36
p0 0.274 ± 0.1409
pull
Entries 37
Mean −69.26
Std Dev 0
pull1D
Entries 37
Mean 0.02073
Std Dev 0.261

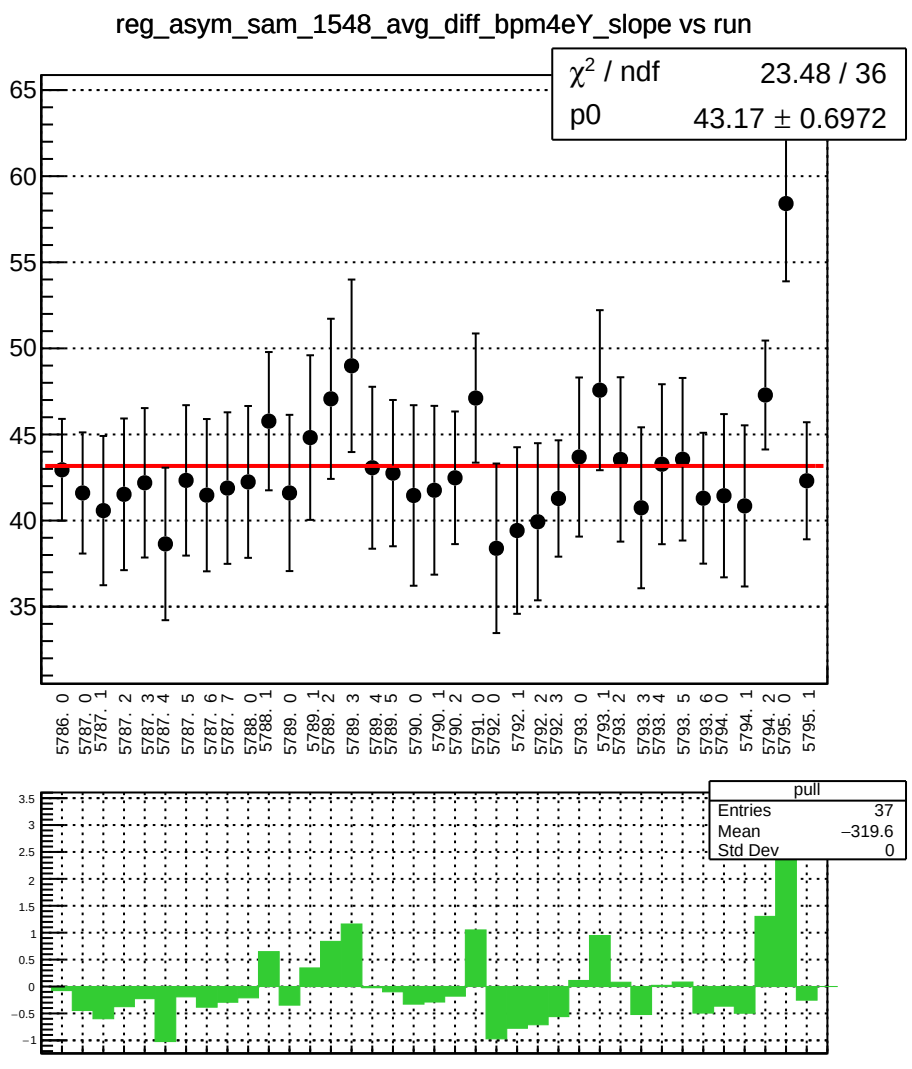

reg_asym_sam_1548_avg_diff_bpm1X_slope vs run
χ² / ndf 9.202 / 36
p0 2.999 ± 0.4137
pull
Entries 37
Mean 52.11
Std Dev 0
pull1D
Entries 37
Mean −0.02265
Std Dev 0.4982

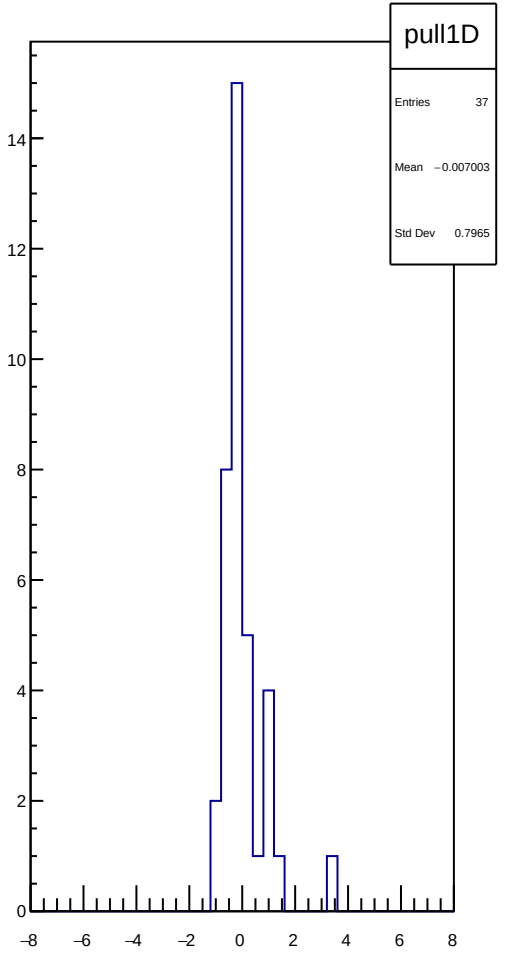

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs run
χ² / ndf 28.41 / 36
p0 −9.233 ± 0.6365
pull
Entries 37
Mean 29.31
Std Dev 8.425

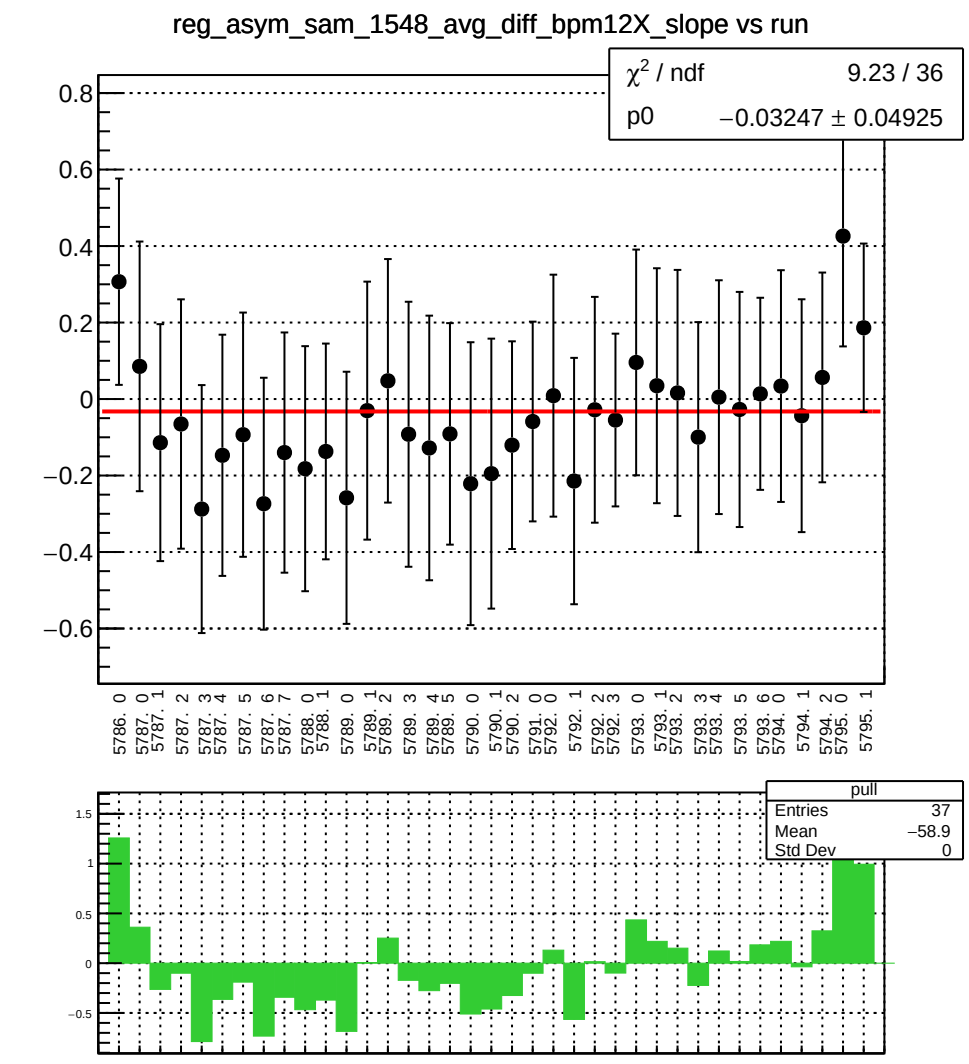

pull1D
Entries 37
Mean −0.01588
Std Dev 0.8762

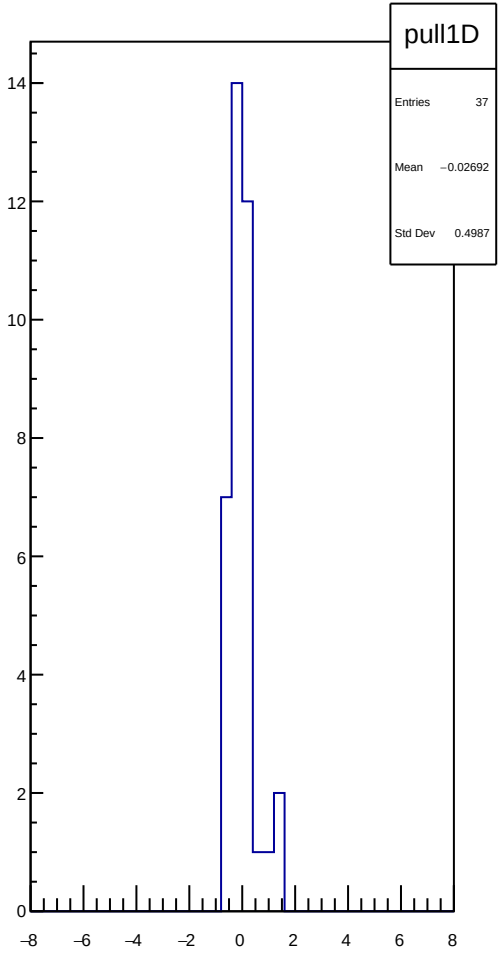

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs run
χ² / ndf 8.839 / 36
p0 −37.87 ± 0.5932
pull
Entries 37
Mean 41.51
Std Dev 0

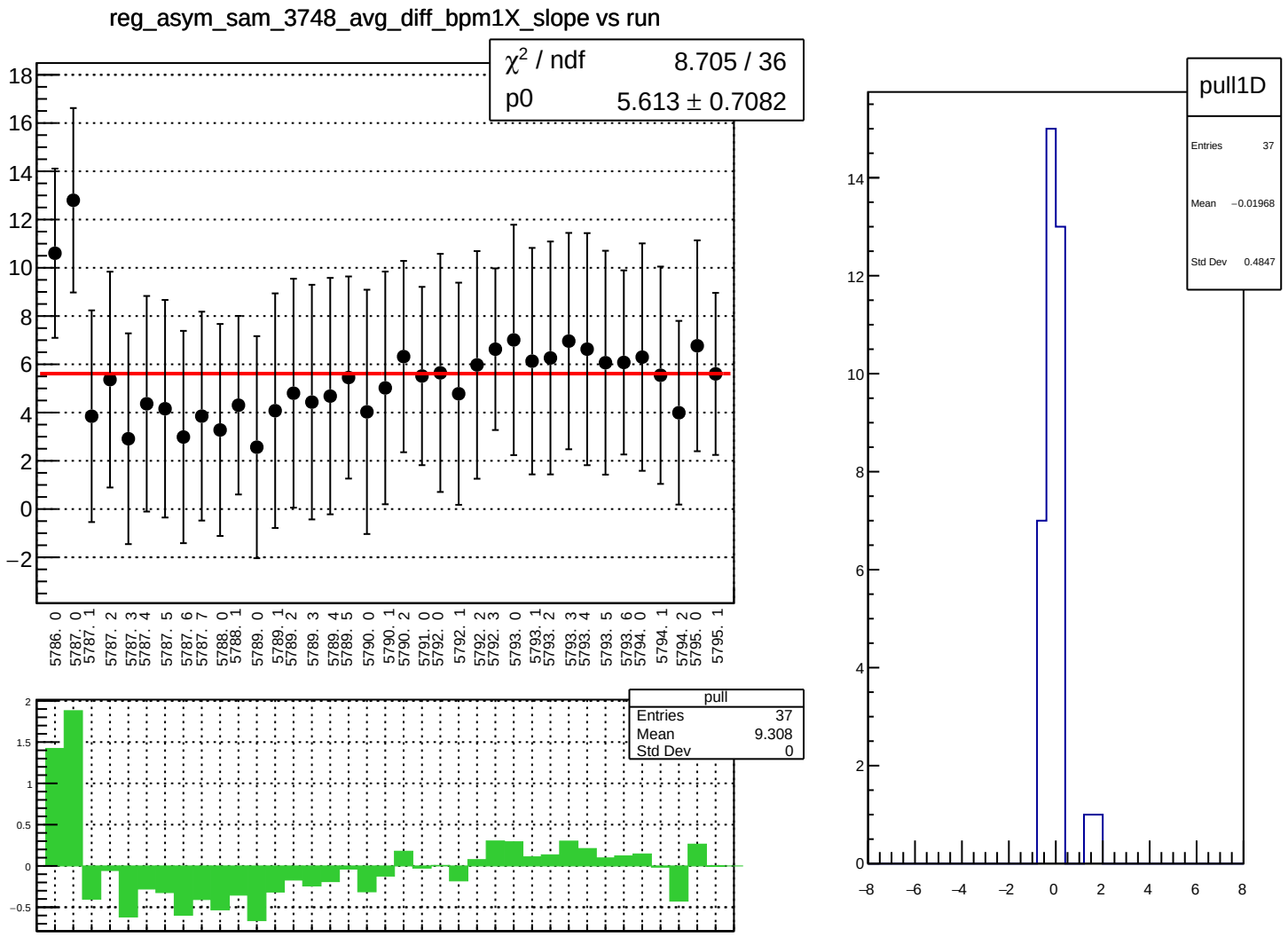

pull1D
Entries 37
Mean 0.01741
Std Dev 0.4884

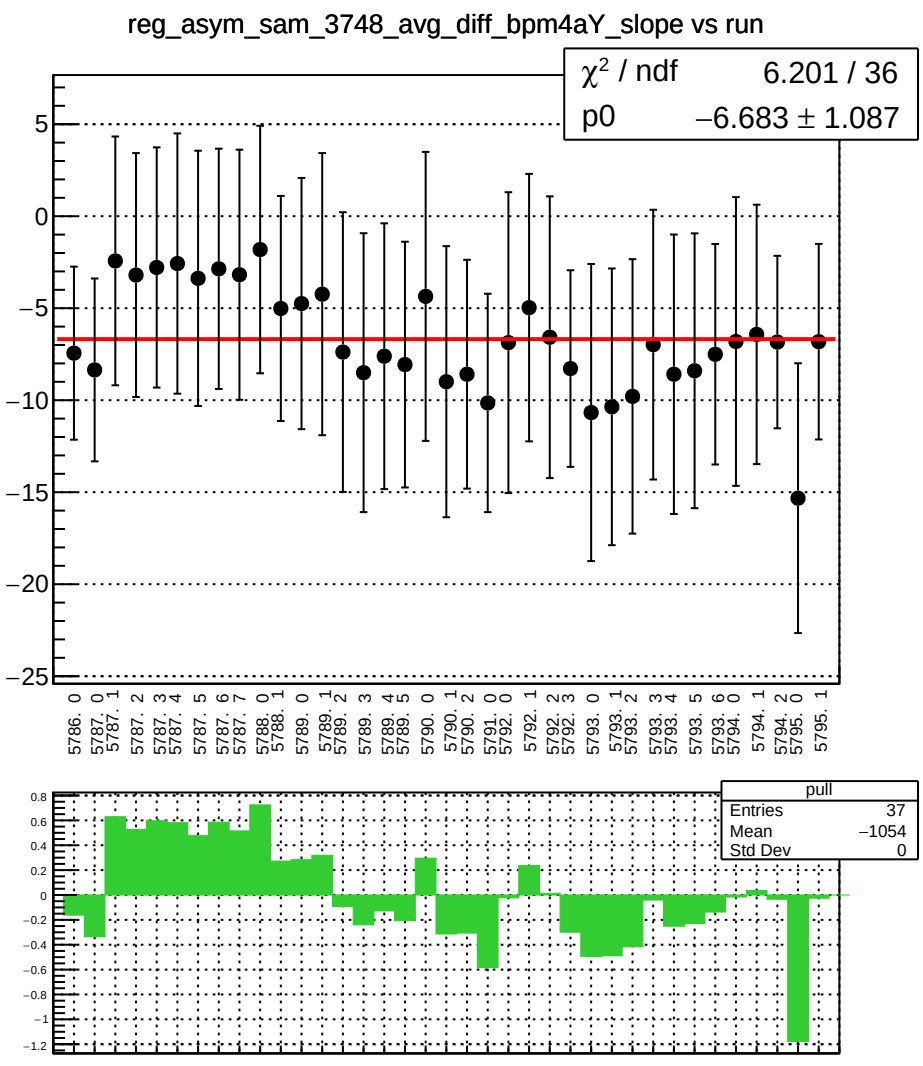

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs run
χ² / ndf 23.48 / 36
p0 43.17 ± 0.6972
pull
Entries 37
Mean −319.6
Std Dev 0

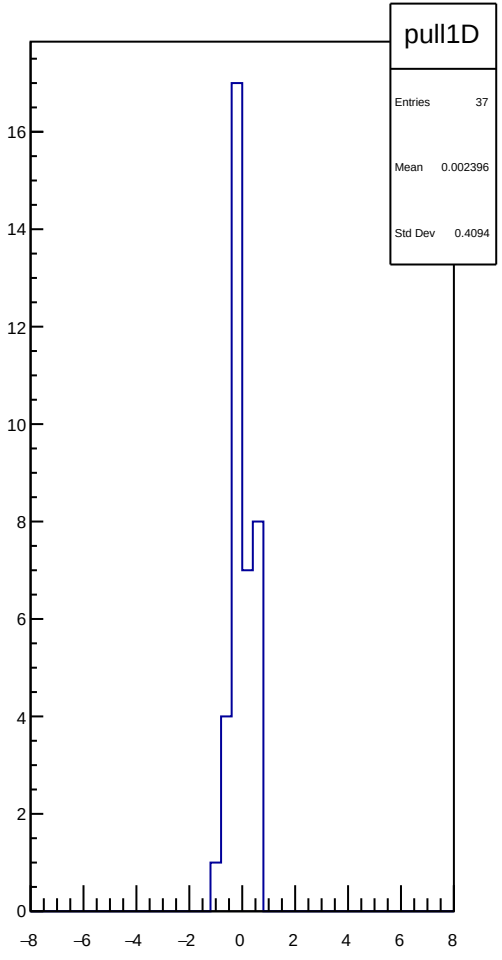

pull1D
Entries 37
Mean −0.007003
Std Dev 0.7965

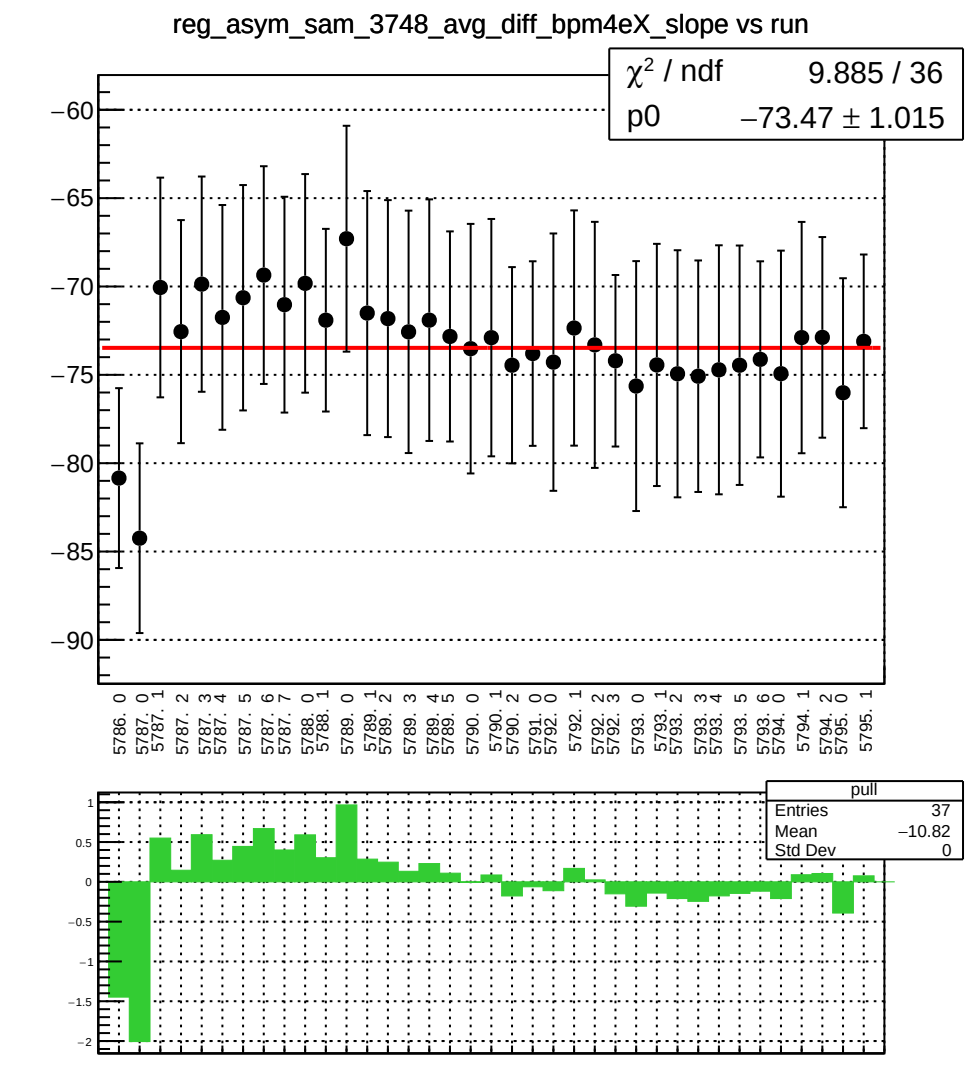

reg_asym_sam_1548_avg_diff_bpm12X_slope vs run
χ² / ndf 9.23 / 36
p0 −0.03247 ± 0.04925
pull
Entries 37
Mean −58.9
Std Dev 0

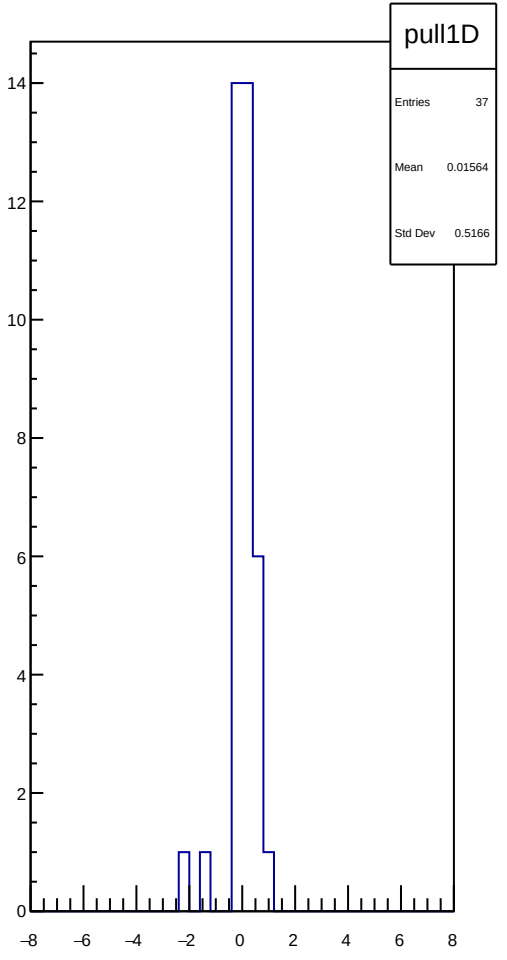

pull1D
Entries 37
Mean −0.02692
Std Dev 0.4987

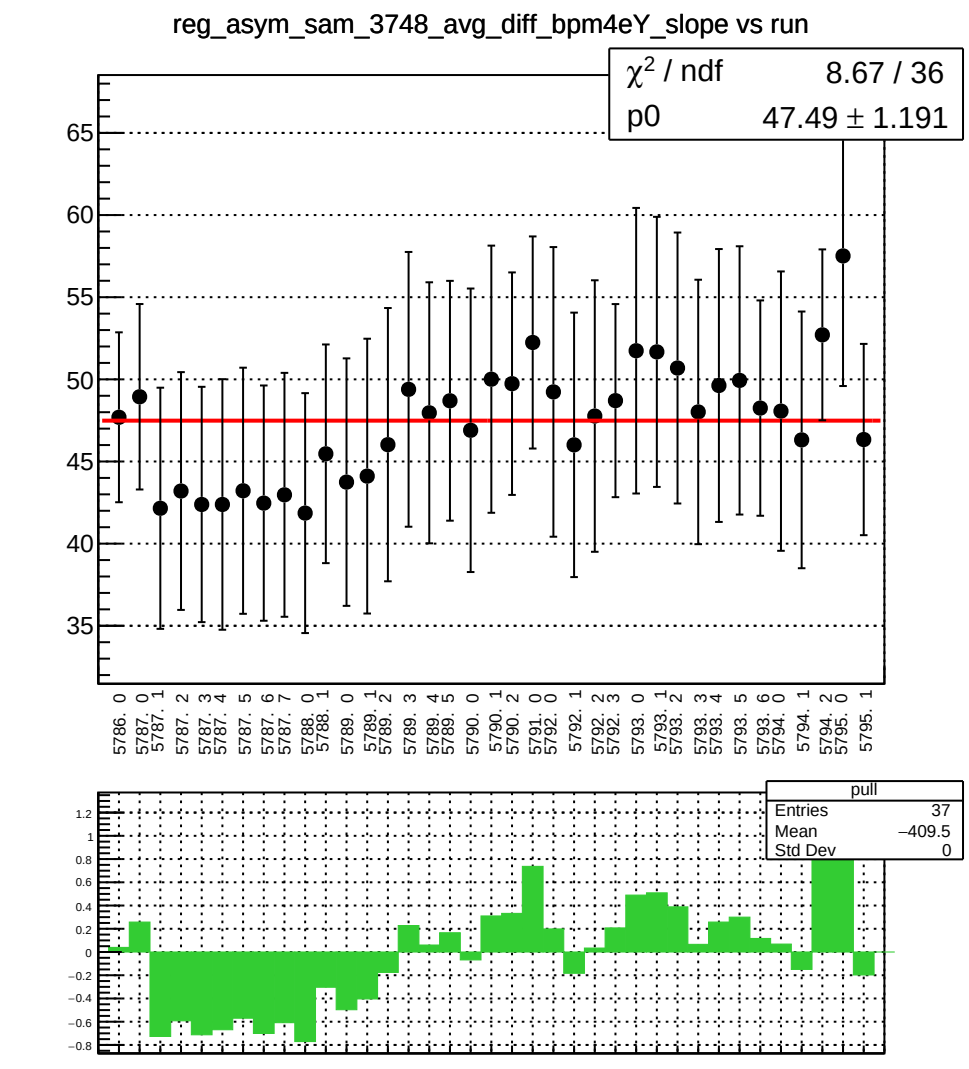

reg_asym_sam_3748_avg_diff_bpm1X_slope vs run
χ² / ndf 8.705 / 36
p0 5.613 ± 0.7082
pull
Entries 37
Mean 9.308
Std Dev 0
pull1D
Entries 37
Mean −0.01968
Std Dev 0.4847

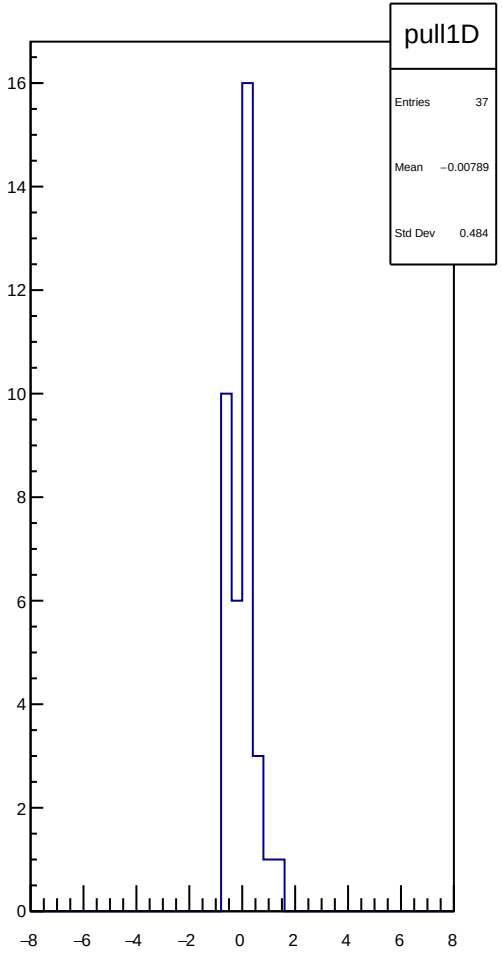

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.201 / 36
p0 −6.683 ± 1.087
pull
Entries 37
Mean −1054
Std Dev 0

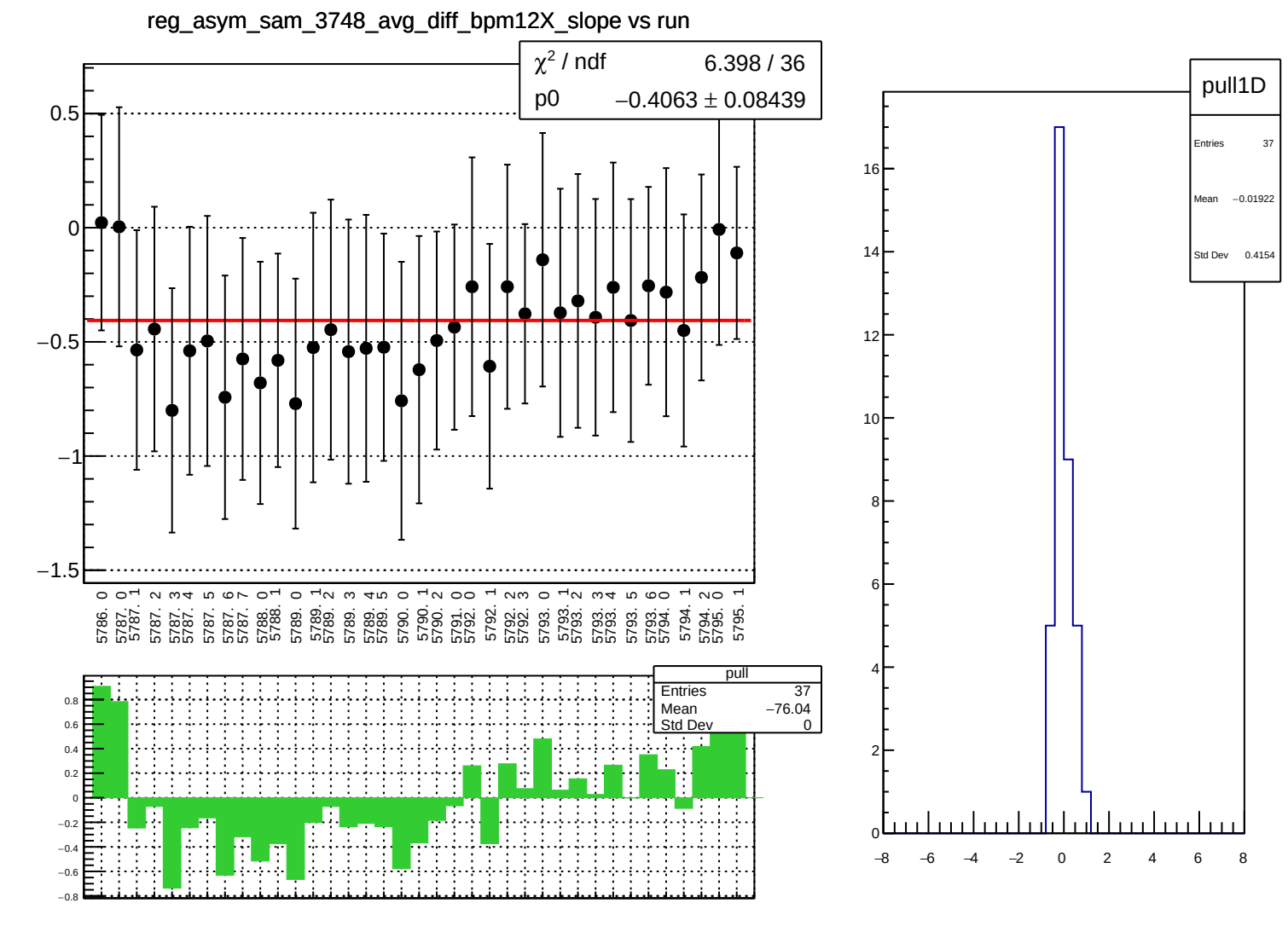

pull1D
Entries 37
Mean 0.002396
Std Dev 0.4094

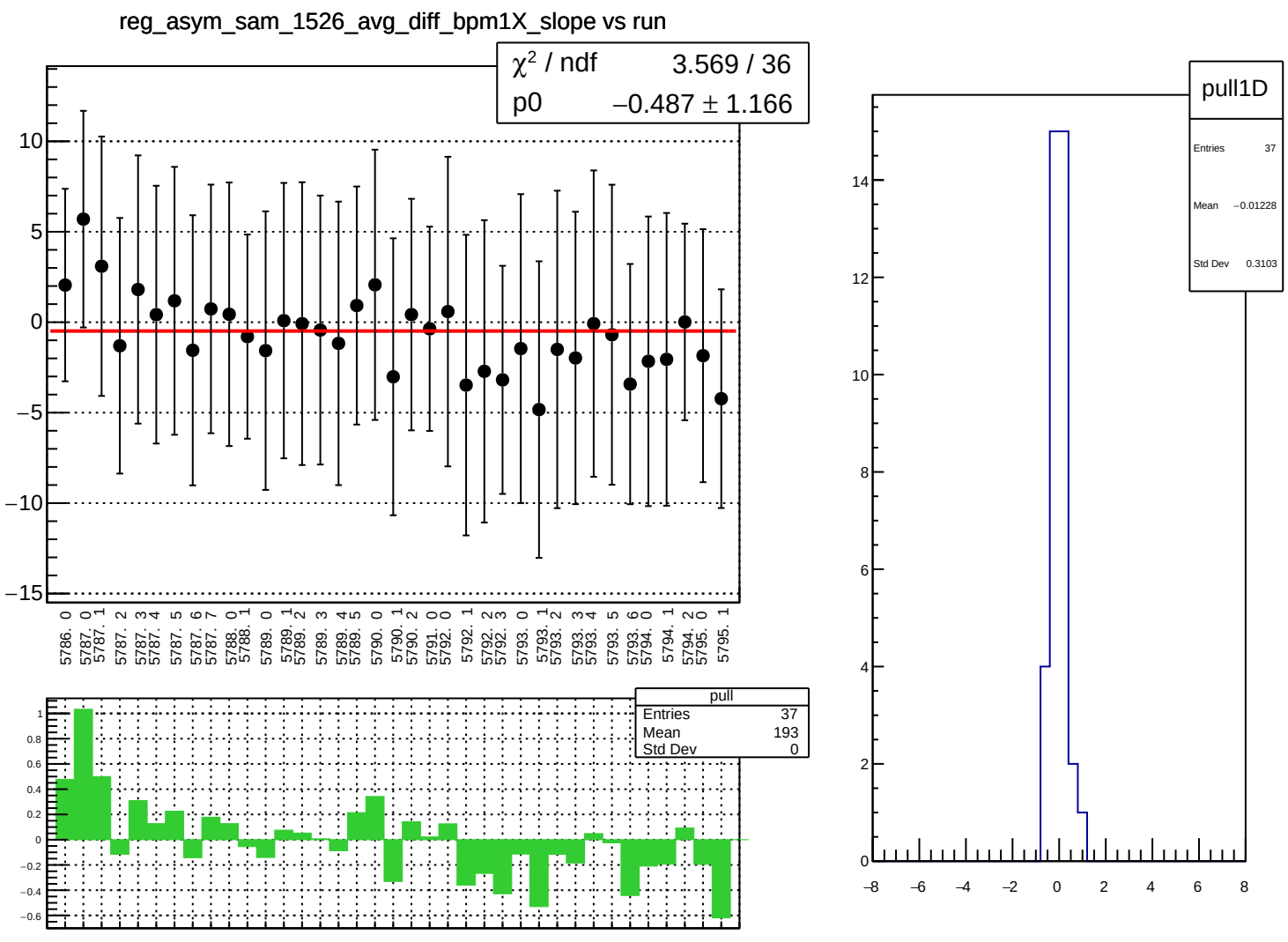

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs run
χ² / ndf 9.885 / 36
p0 −73.47 ± 1.015
−60
−65
−70
−75
−80
−85
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −10.82
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

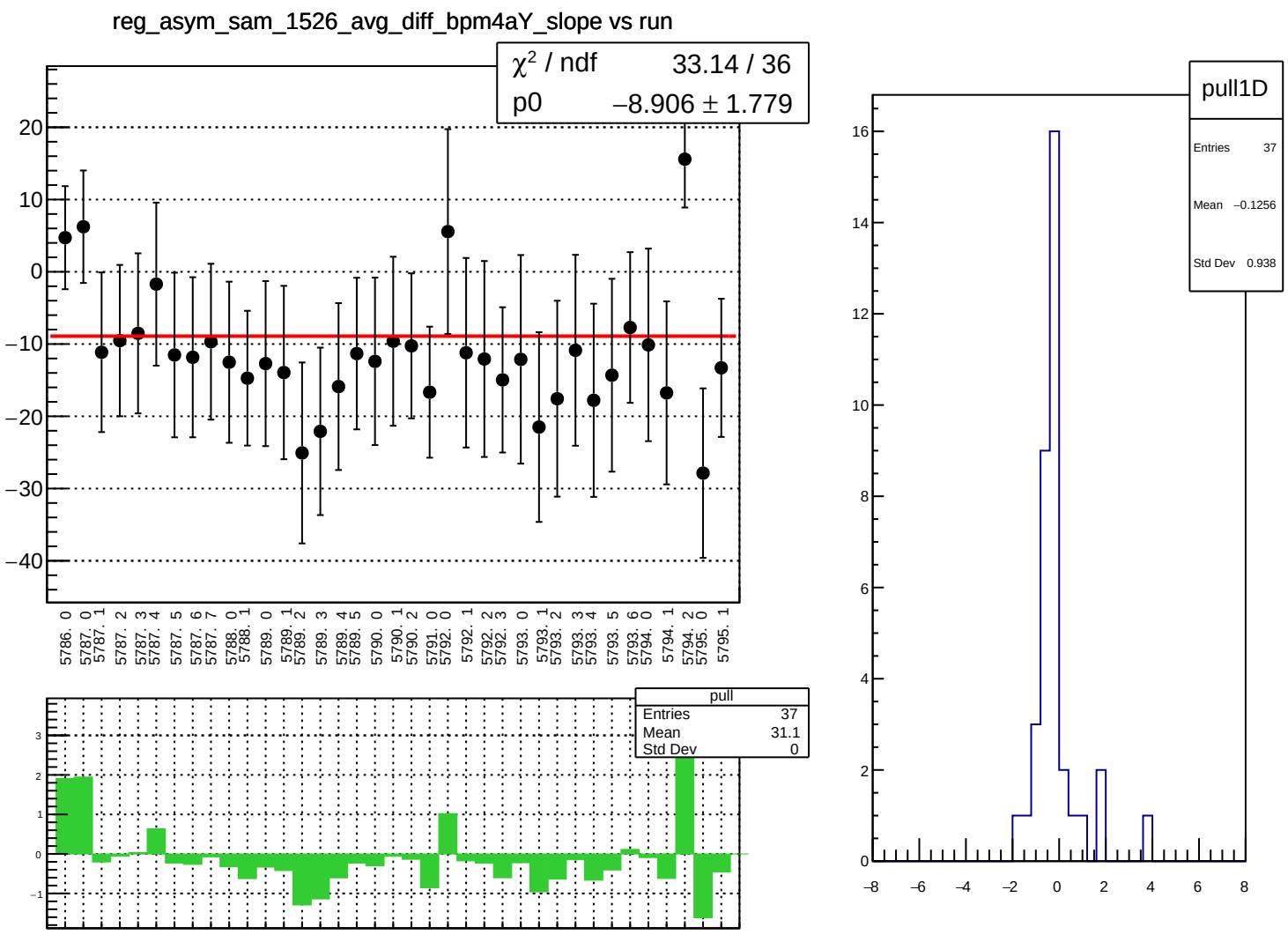

pull1D
Entries 37
Mean 0.01564
Std Dev 0.5166
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

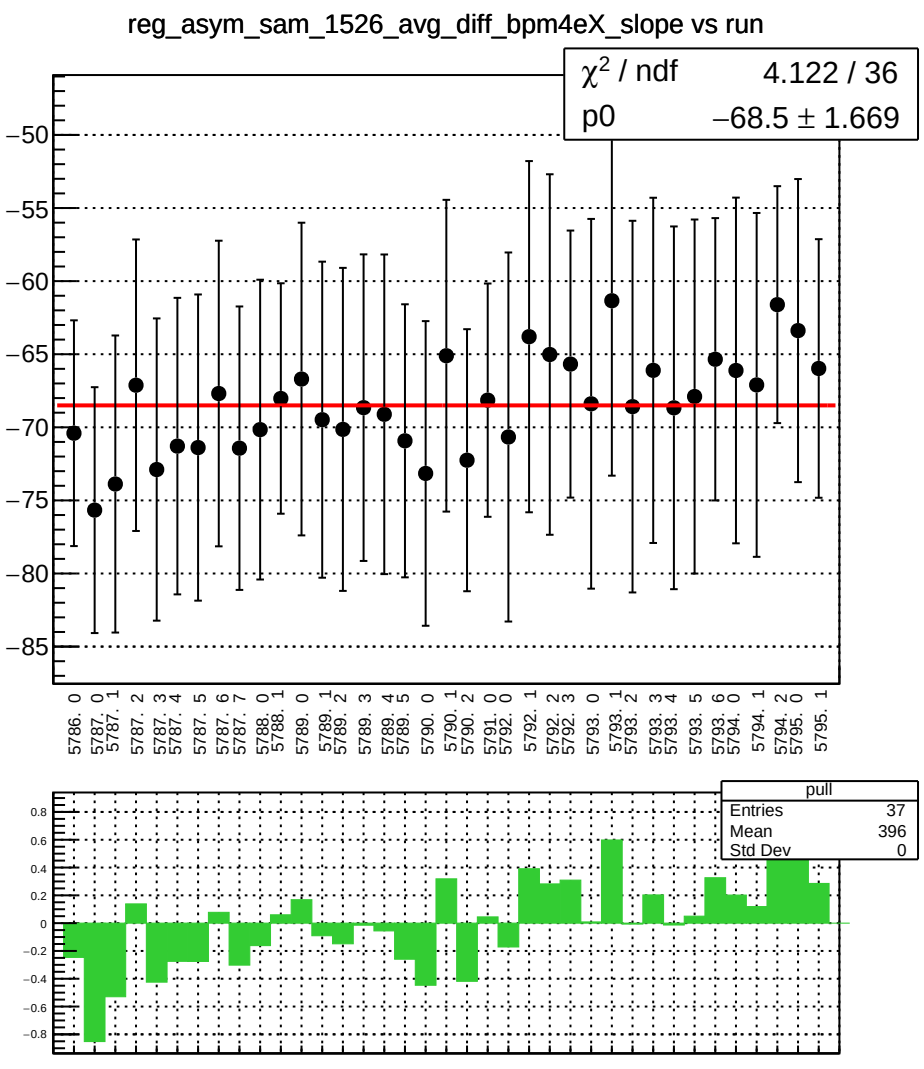

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs run
χ² / ndf 8.67 / 36
p0 47.49 ± 1.191
65
60
55
50
45
40
35
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −409.5
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

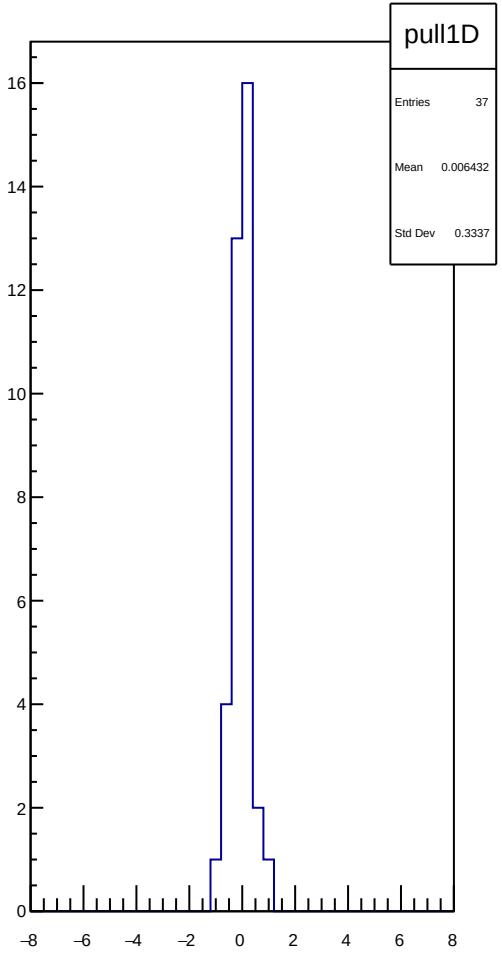

pull1D
Entries 37
Mean −0.00789
Std Dev 0.484
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

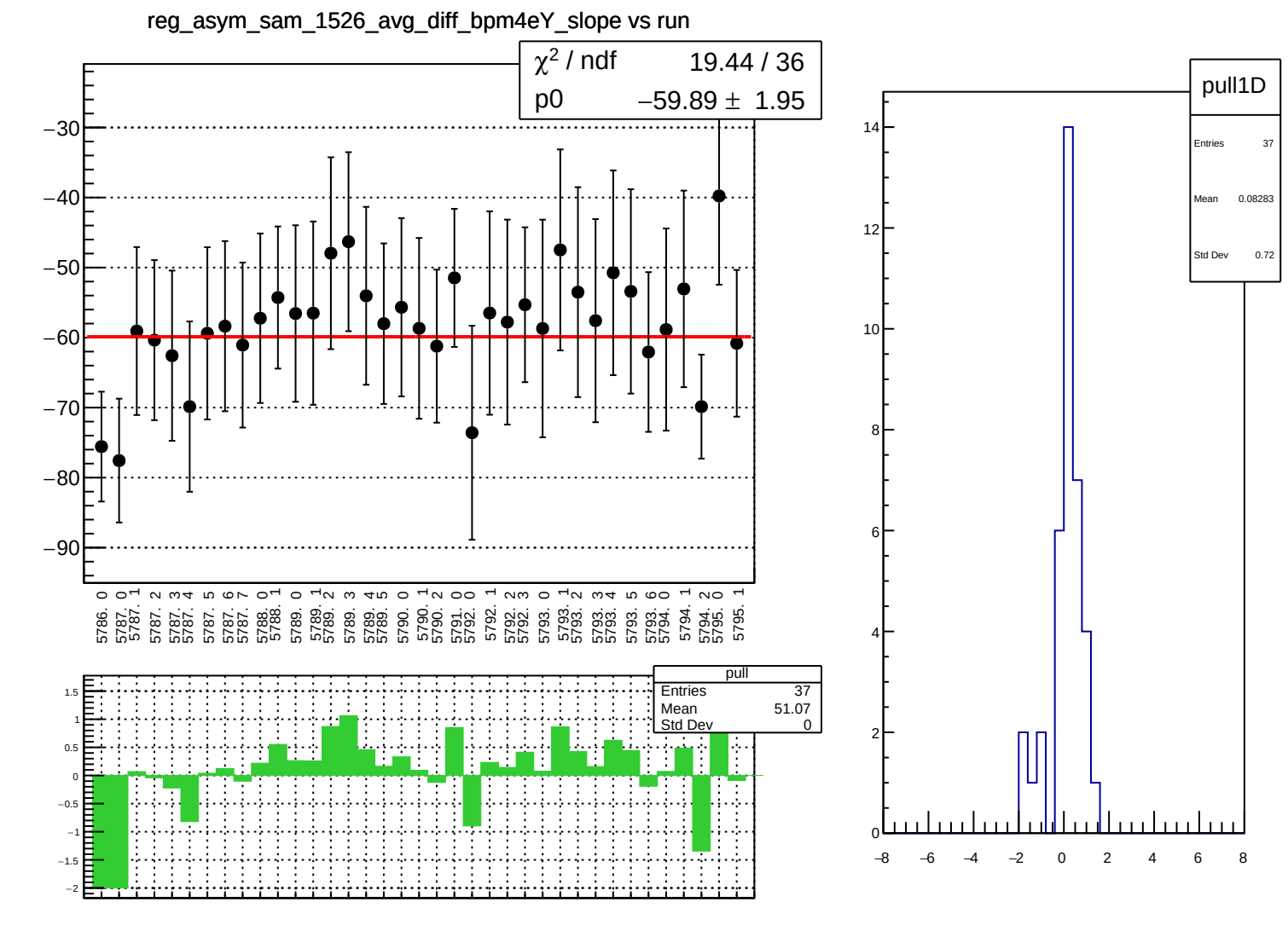

reg_asym_sam_3748_avg_diff_bpm12X_slope vs run
χ² / ndf 6.398 / 36
p0 −0.4063 ± 0.08439
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −76.04
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.01922
Std Dev 0.4154
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

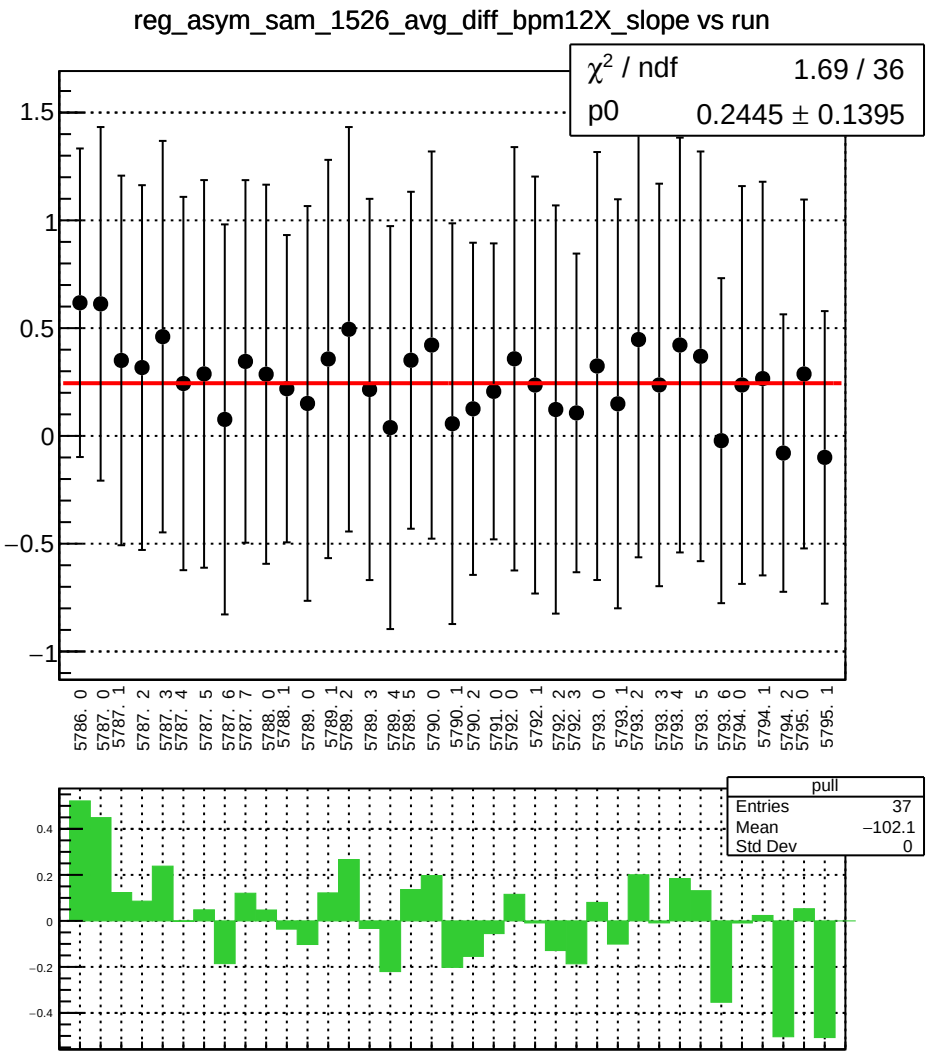

reg_asym_sam_1526_avg_diff_bpm1X_slope vs run
χ² / ndf 3.569 / 36
p0 −0.487 ± 1.166
10
5
0
−5
−10
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 193
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.01228
Std Dev 0.3103
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

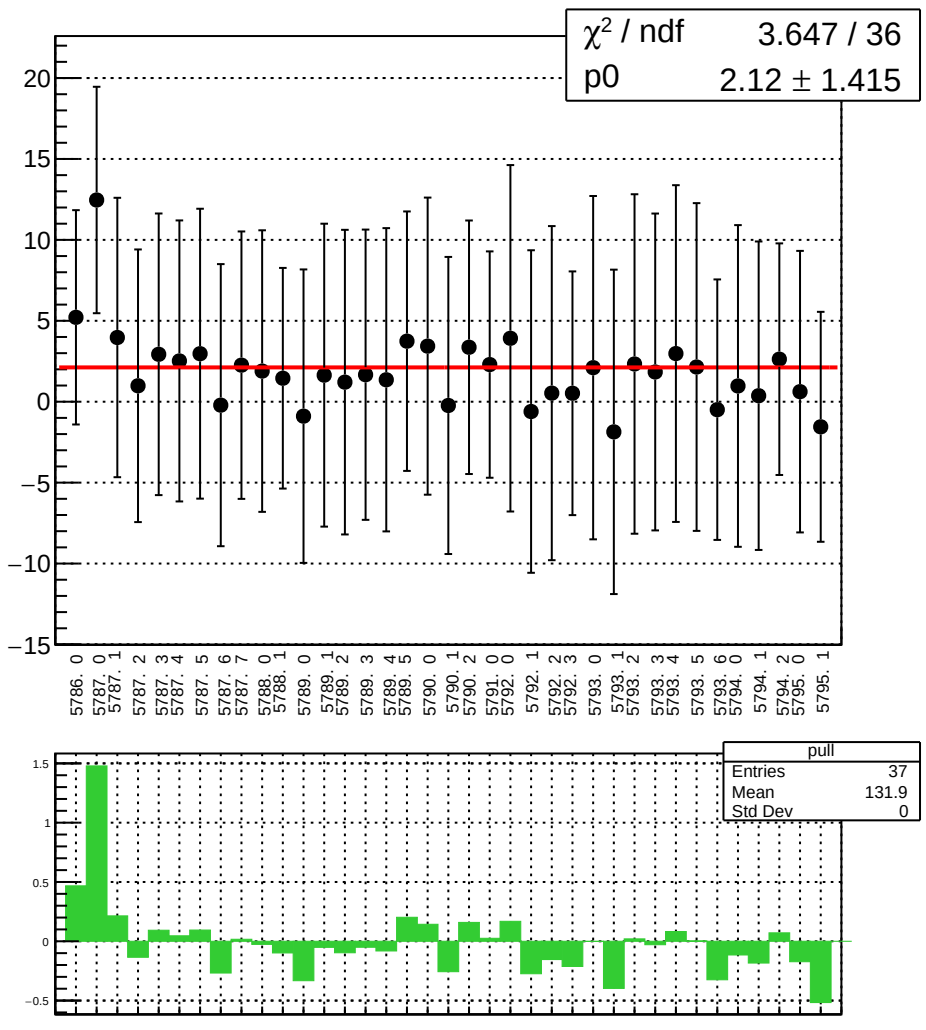

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs run
χ² / ndf 33.14 / 36
p0 −8.906 ± 1.779
pull
Entries 37
Mean 31.1
Std Dev 0
pull1D
Entries 37
Mean −0.1256
Std Dev 0.938

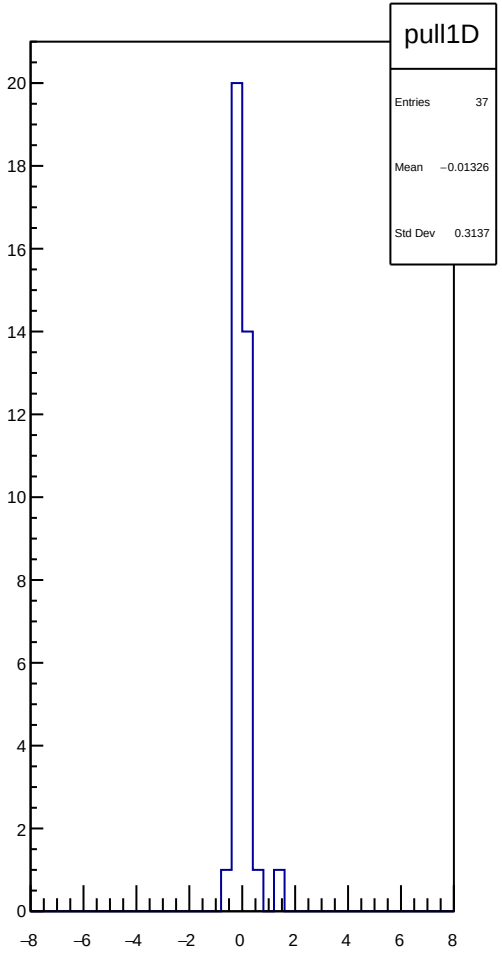

reg_asym_sam_1526_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.122 / 36
p0 −68.5 ± 1.669
pull
Entries 37
Mean 396
Std Dev 0

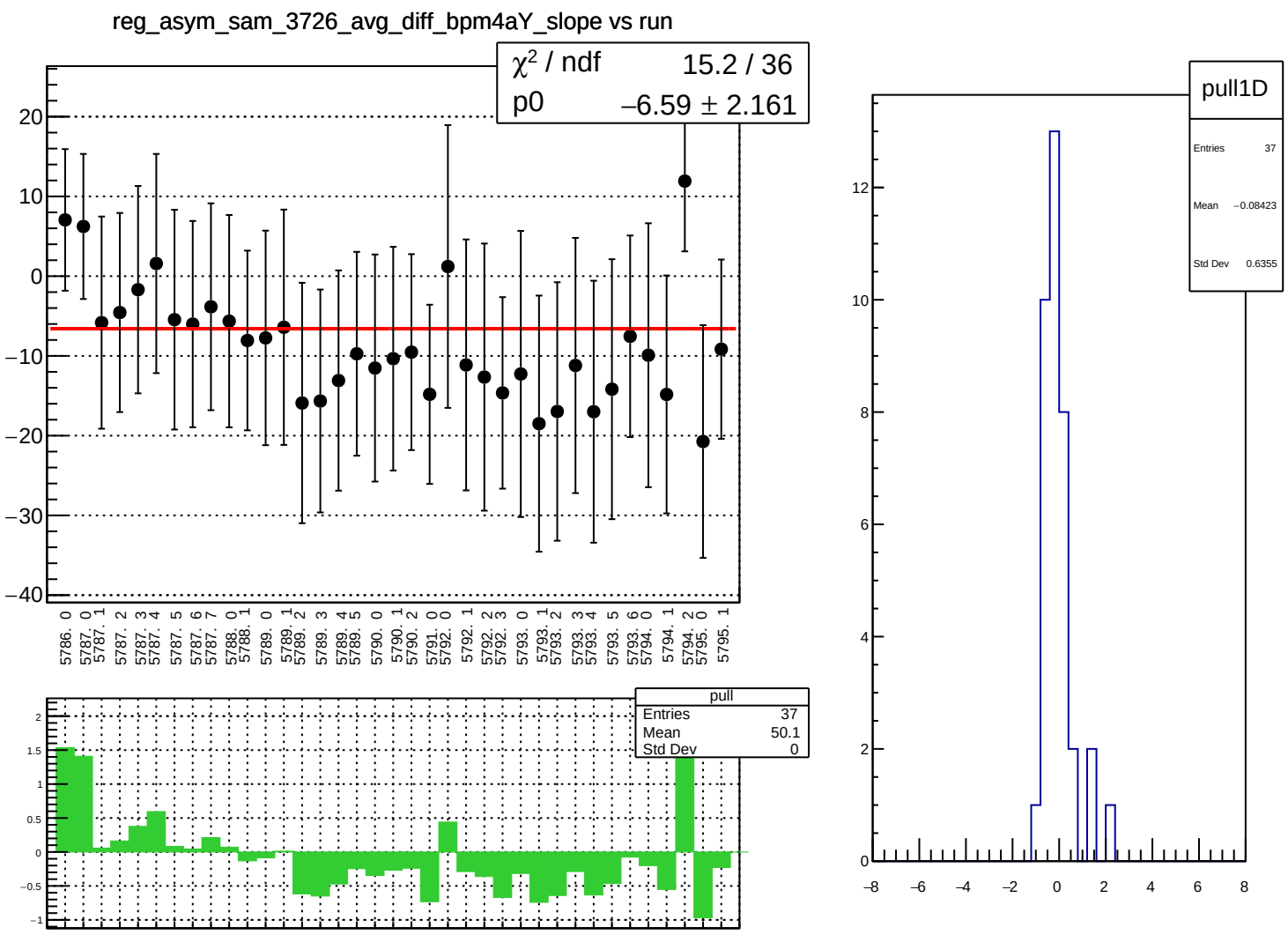

pull1D
Entries 37
Mean 0.006432
Std Dev 0.3337

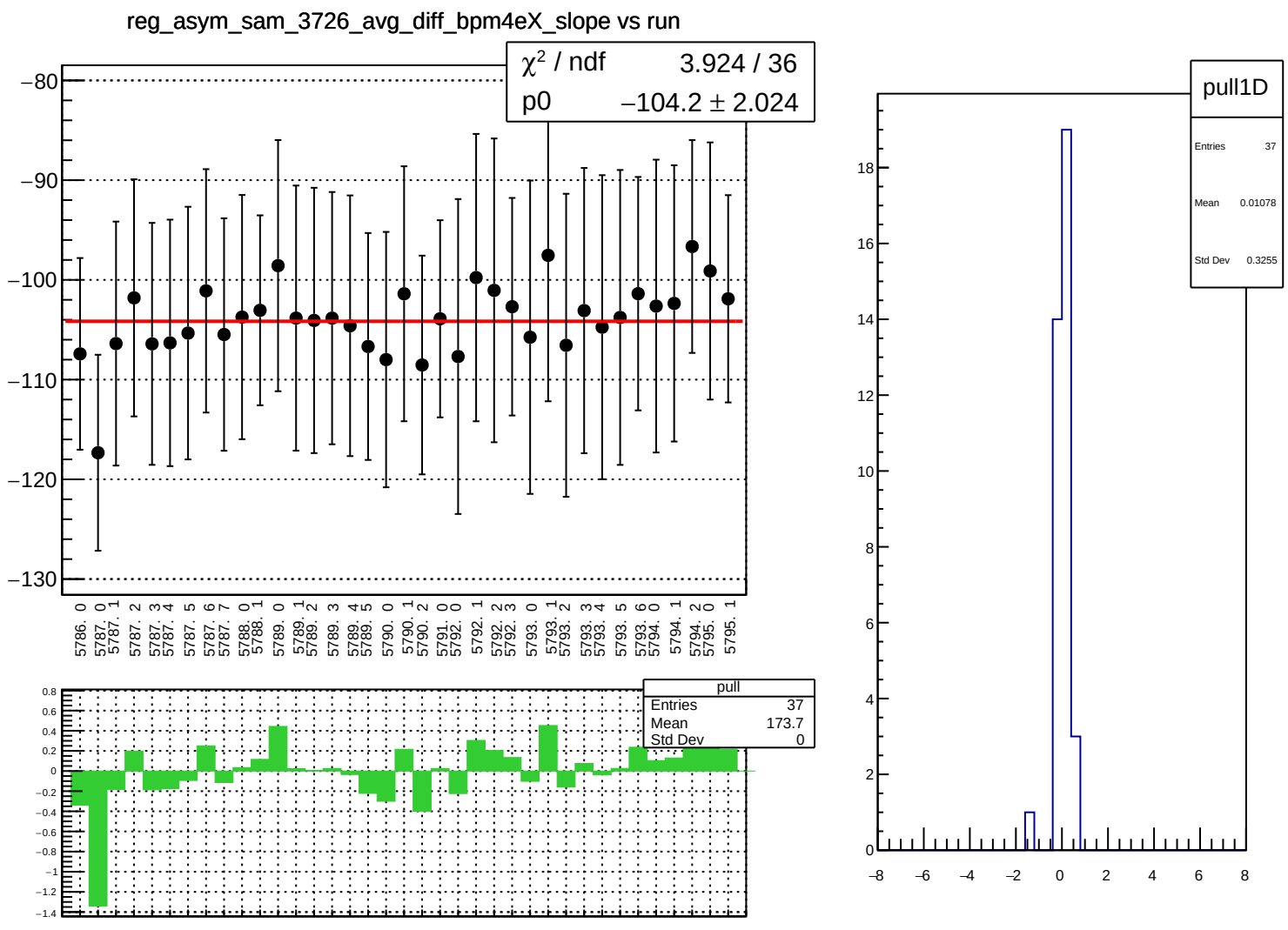

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs run
χ² / ndf 19.44 / 36
p0 −59.89 ± 1.95
pull
Entries 37
Mean 51.07
Std Dev 0
pull1D
Entries 37
Mean 0.08283
Std Dev 0.72

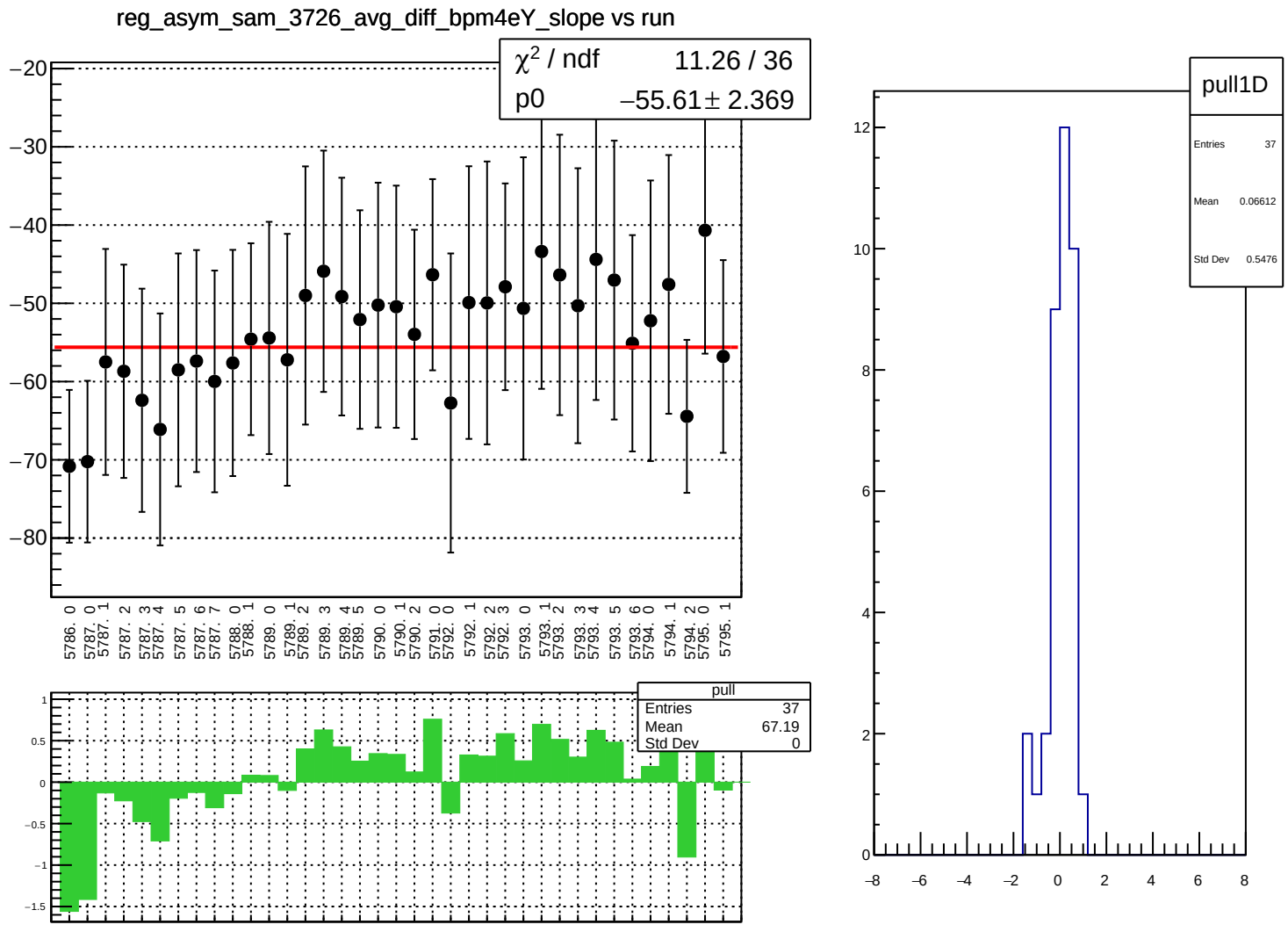

reg_asym_sam_1526_avg_diff_bpm12X_slope vs run
χ² / ndf 1.69 / 36
p0 0.2445 ± 0.1395
pull
Entries 37
Mean −102.1
Std Dev 0
pull1D
Entries 37
Mean 0.00936
Std Dev 0.2135

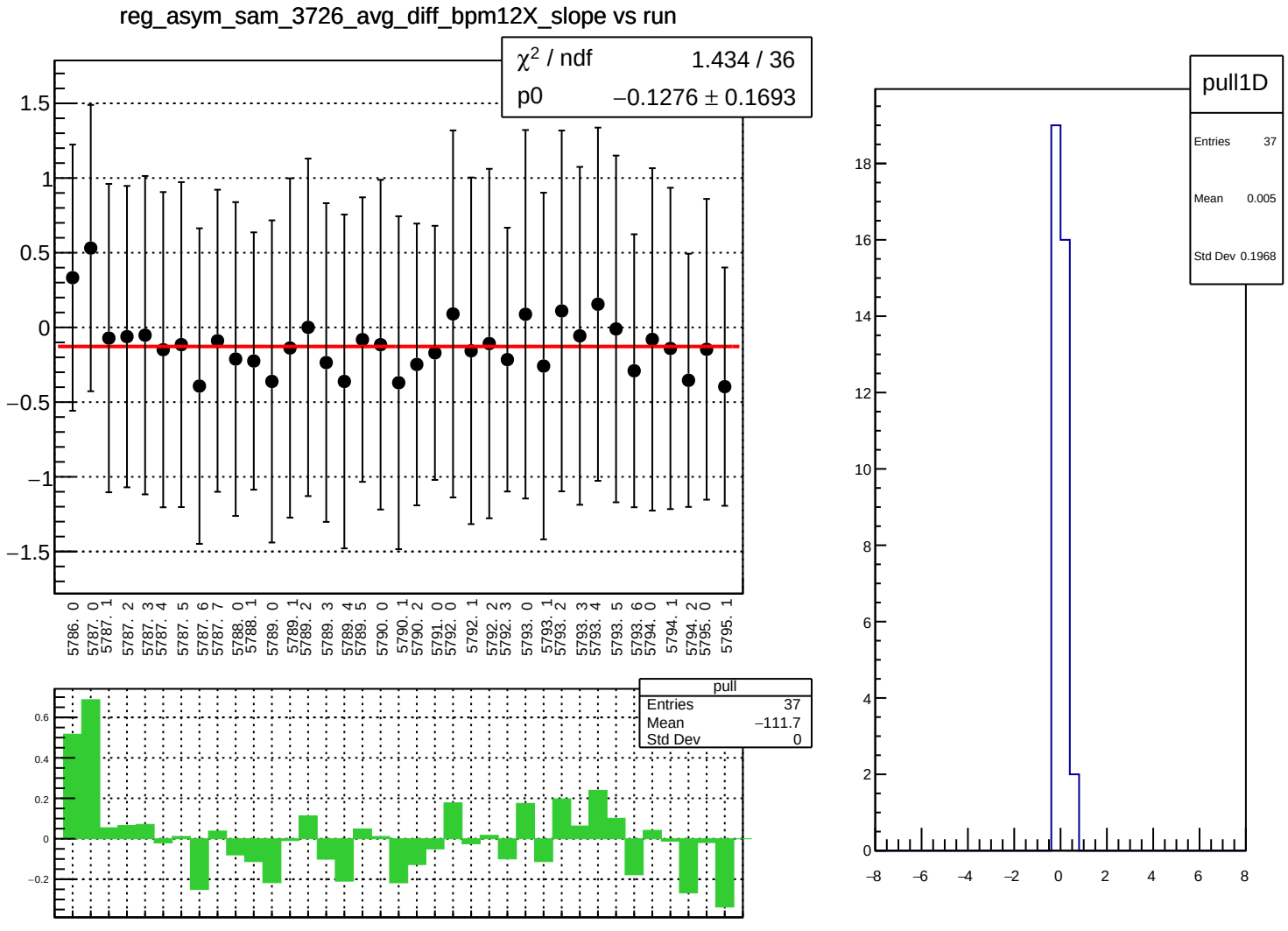

reg_asym_sam_3726_avg_diff_bpm1X_slope vs run
χ² / ndf 3.647 / 36
p0 2.12 ± 1.415
pull
Entries 37
Mean 131.9
Std Dev 0

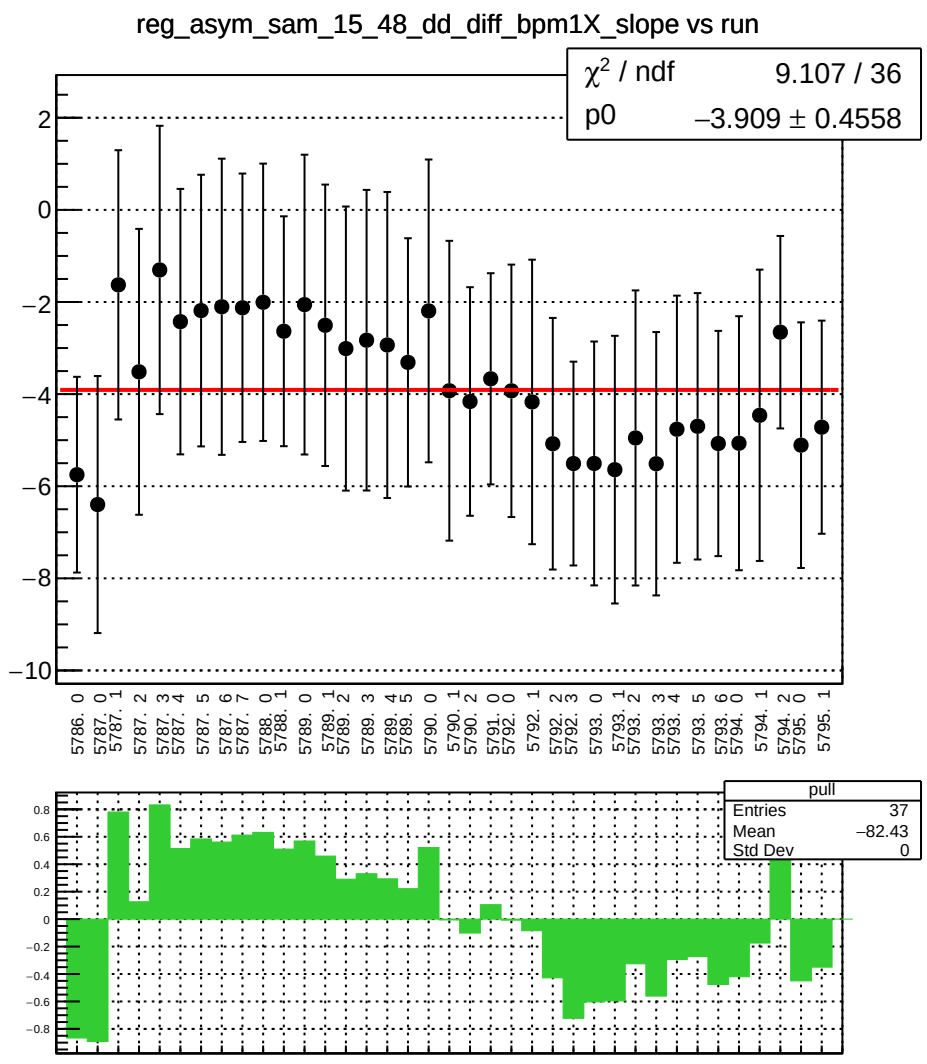

pull1D
Entries 37
Mean −0.01326
Std Dev 0.3137

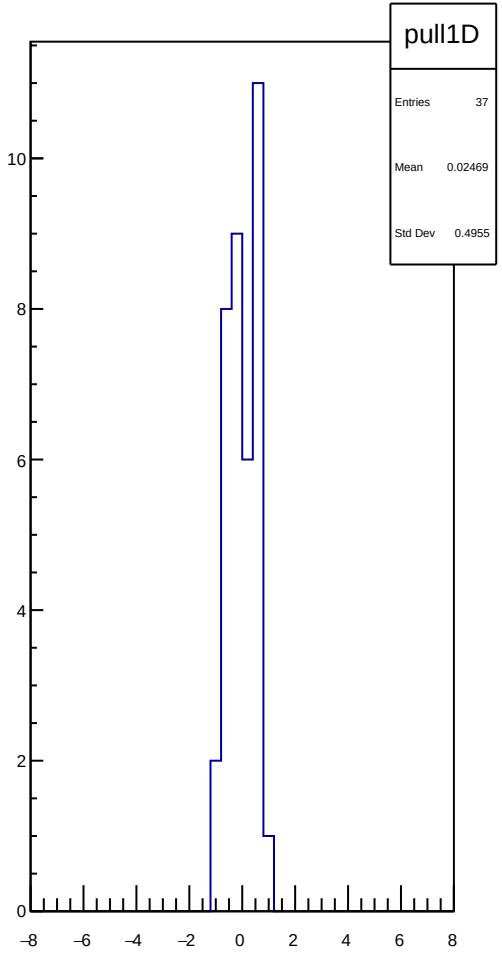

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs run
χ² / ndf 15.2 / 36
p0 −6.59 ± 2.161
pull
Entries 37
Mean 50.1
Std Dev 0
pull1D
Entries 37
Mean −0.08423
Std Dev 0.6355

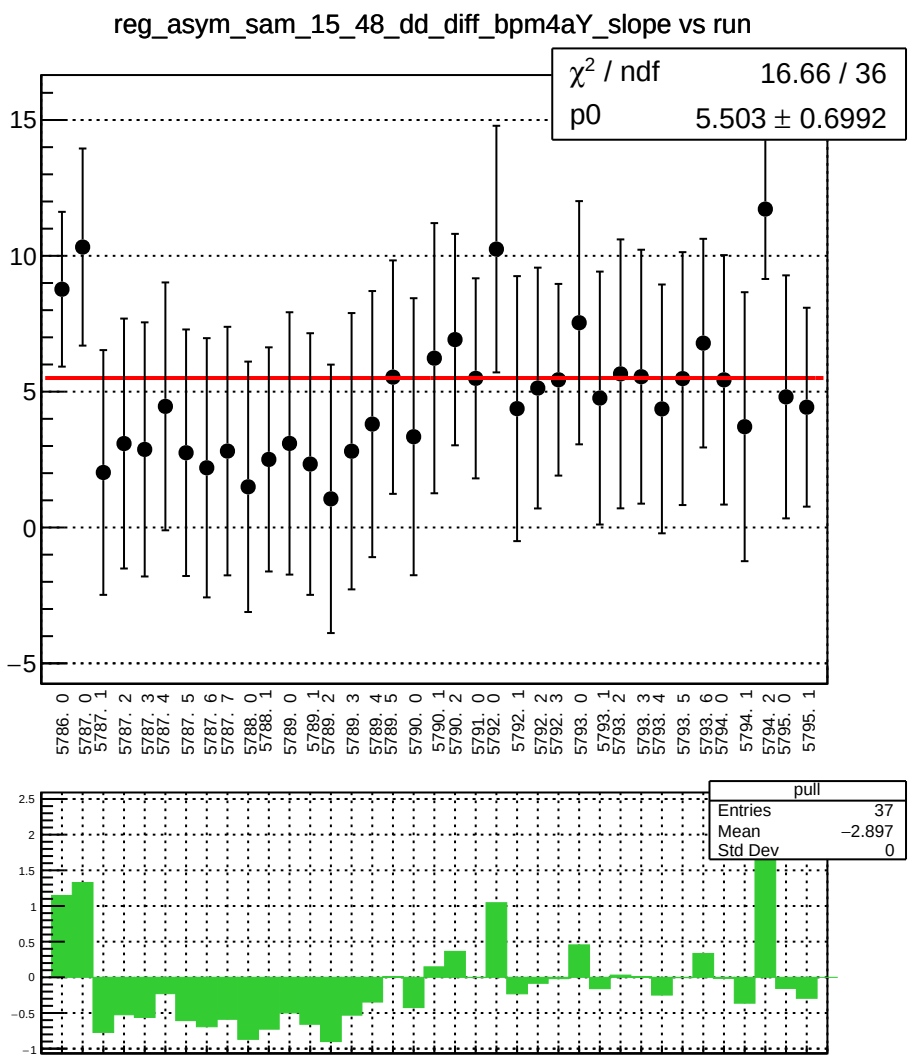

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs run
χ² / ndf 3.924 / 36
p0 −104.2 ± 2.024
−80
−90
−100
−110
−120
−130
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 173.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 37
Mean 0.01078
Std Dev 0.3255
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

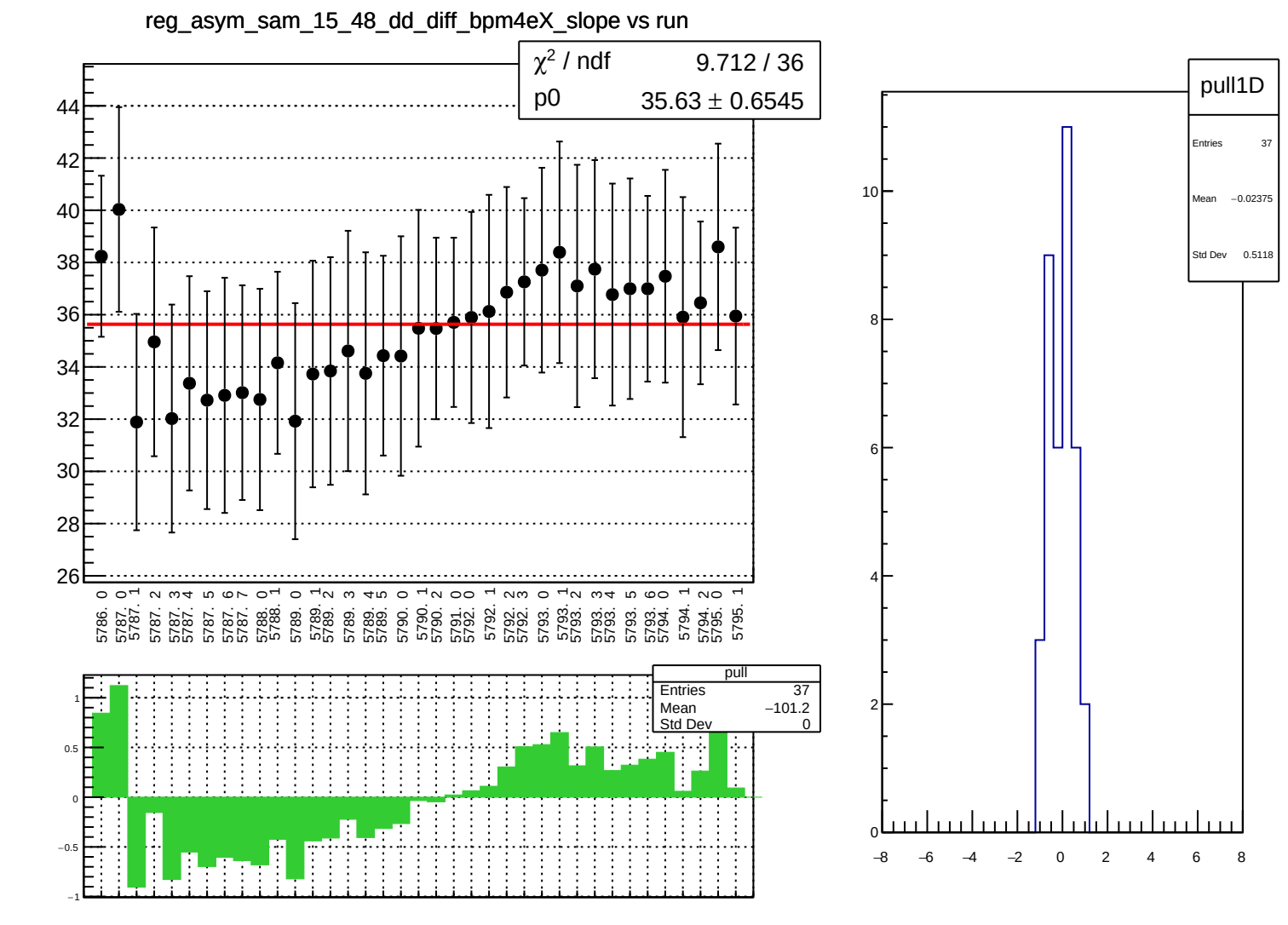

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.26 / 36
p0 −55.61 ± 2.369
−20
−30
−40
−50
−60
−70
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.19
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.06612
Std Dev 0.5476
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

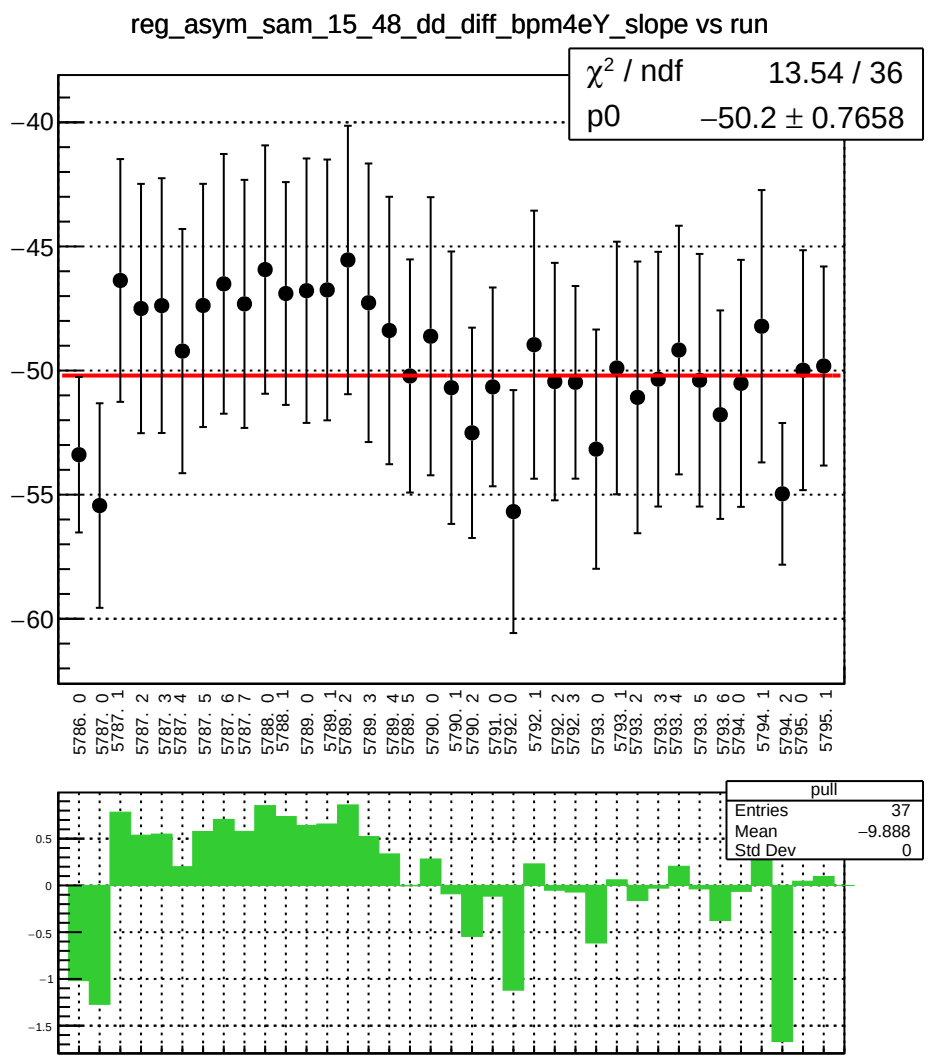

reg_asym_sam_3726_avg_diff_bpm12X_slope vs run
χ² / ndf 1.434 / 36
p0 −0.1276 ± 0.1693
1.5
1
0.5
0
−0.5
−1
−1.5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −111.7
Std Dev 0
0.6
0.4
0.2
0
−0.2
pull1D
Entries 37
Mean 0.005
Std Dev 0.1968
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

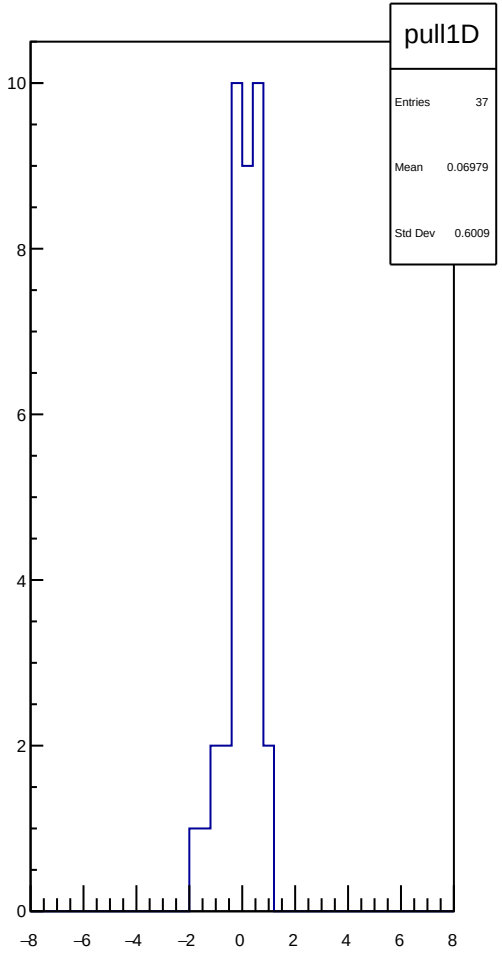

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs run
χ² / ndf 9.107 / 36
p0 −3.909 ± 0.4558
pull
Entries 37
Mean −82.43
Std Dev 0

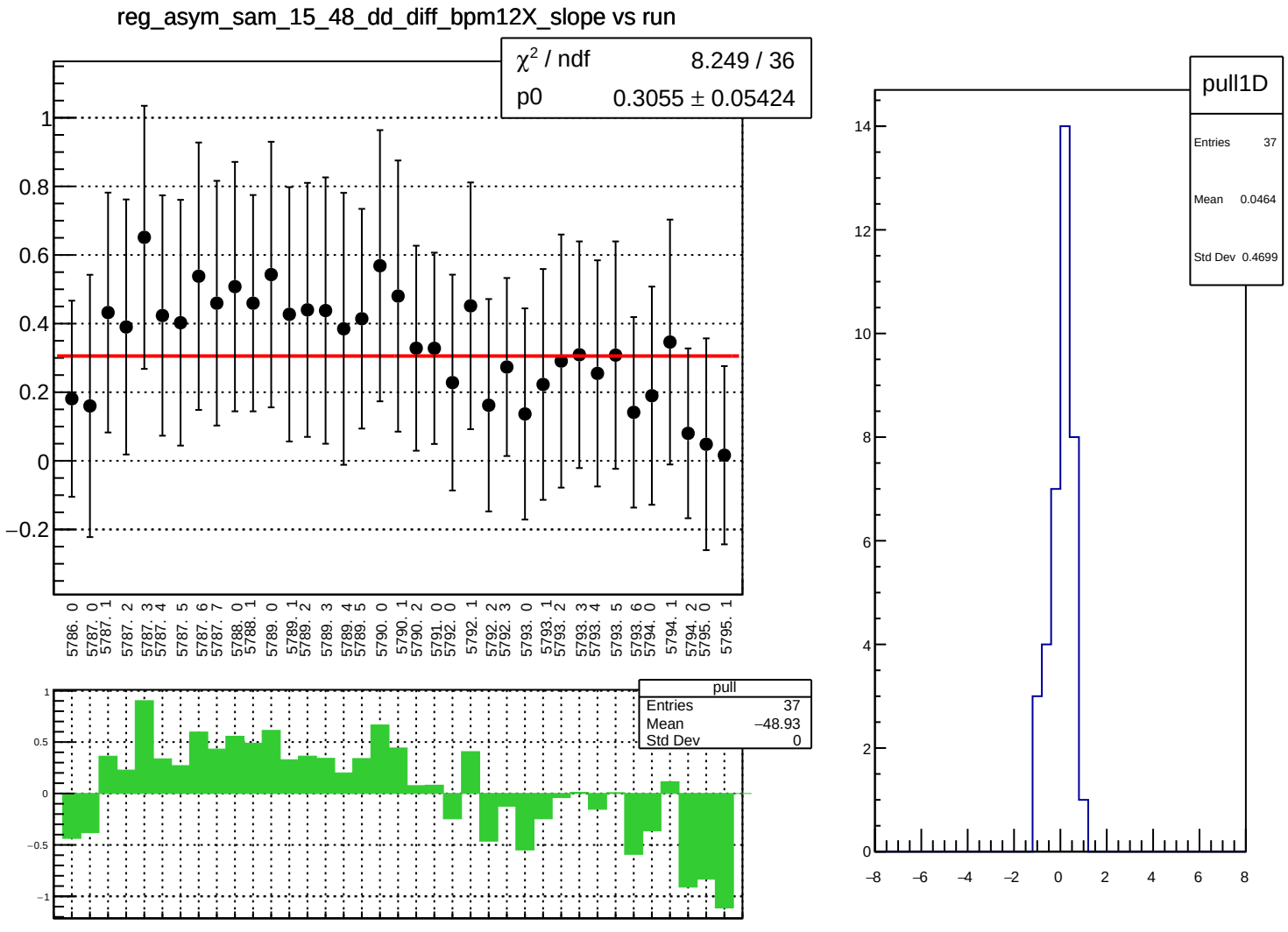

pull1D
Entries 37
Mean 0.02469
Std Dev 0.4955

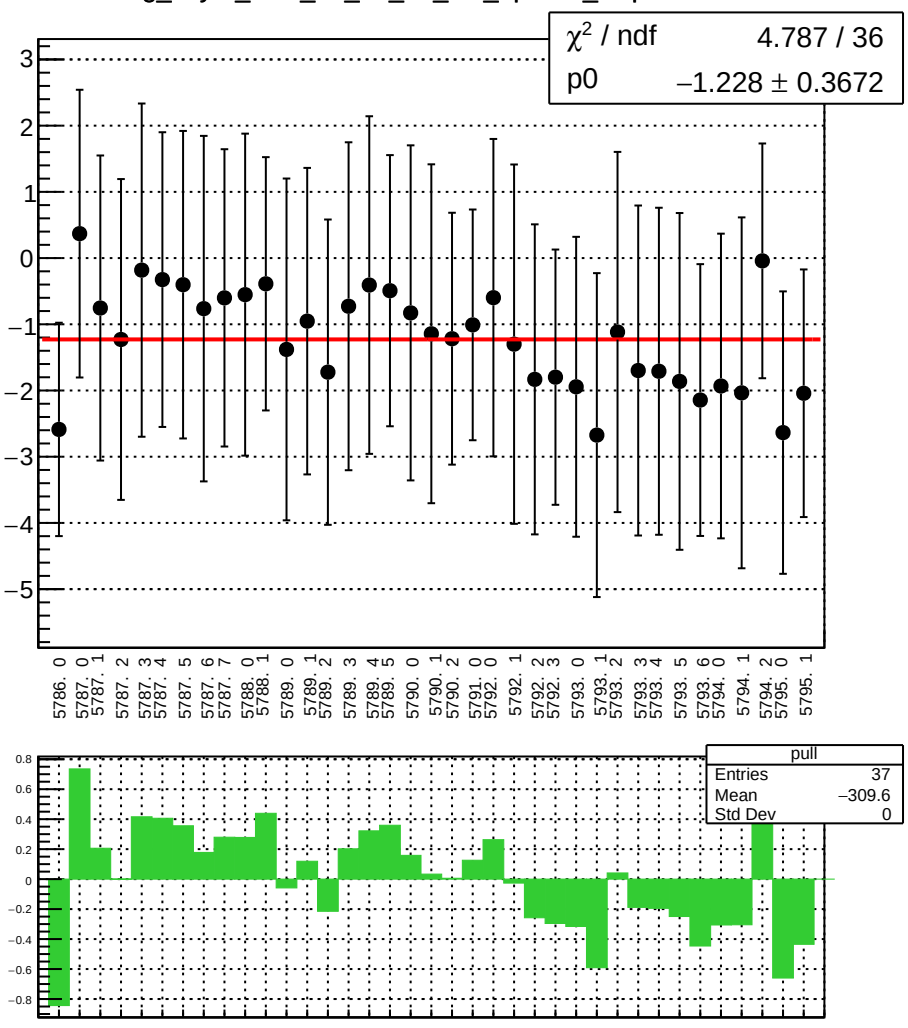

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 16.66 / 36
p0 5.503 ± 0.6992
15
10
5
0
−5
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.897
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.08683
Std Dev 0.6655
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

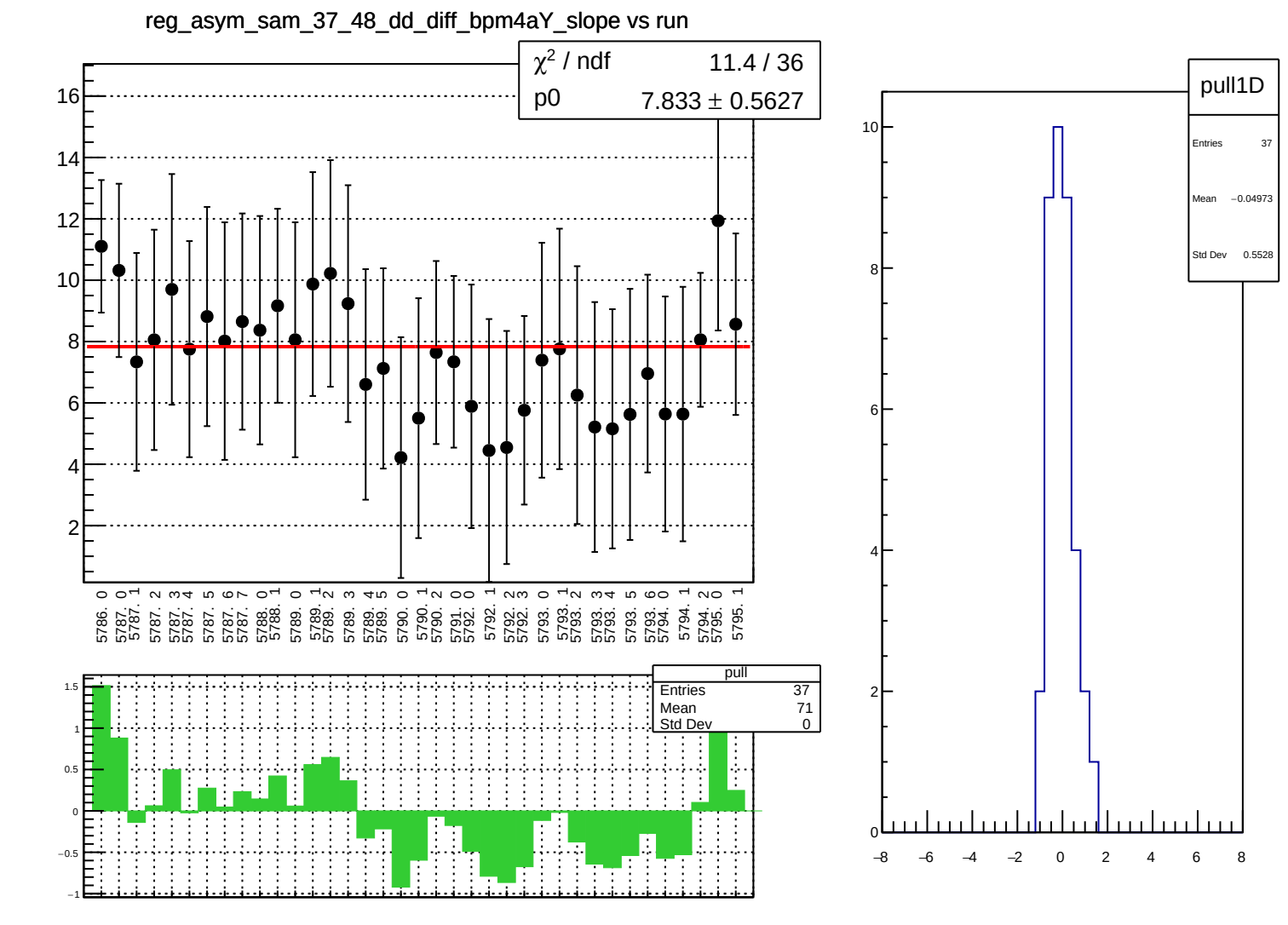

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 9.712 / 36
p0 35.63 ± 0.6545
pull
Entries 37
Mean −101.2
Std Dev 0
pull1D
Entries 37
Mean −0.02375
Std Dev 0.5118

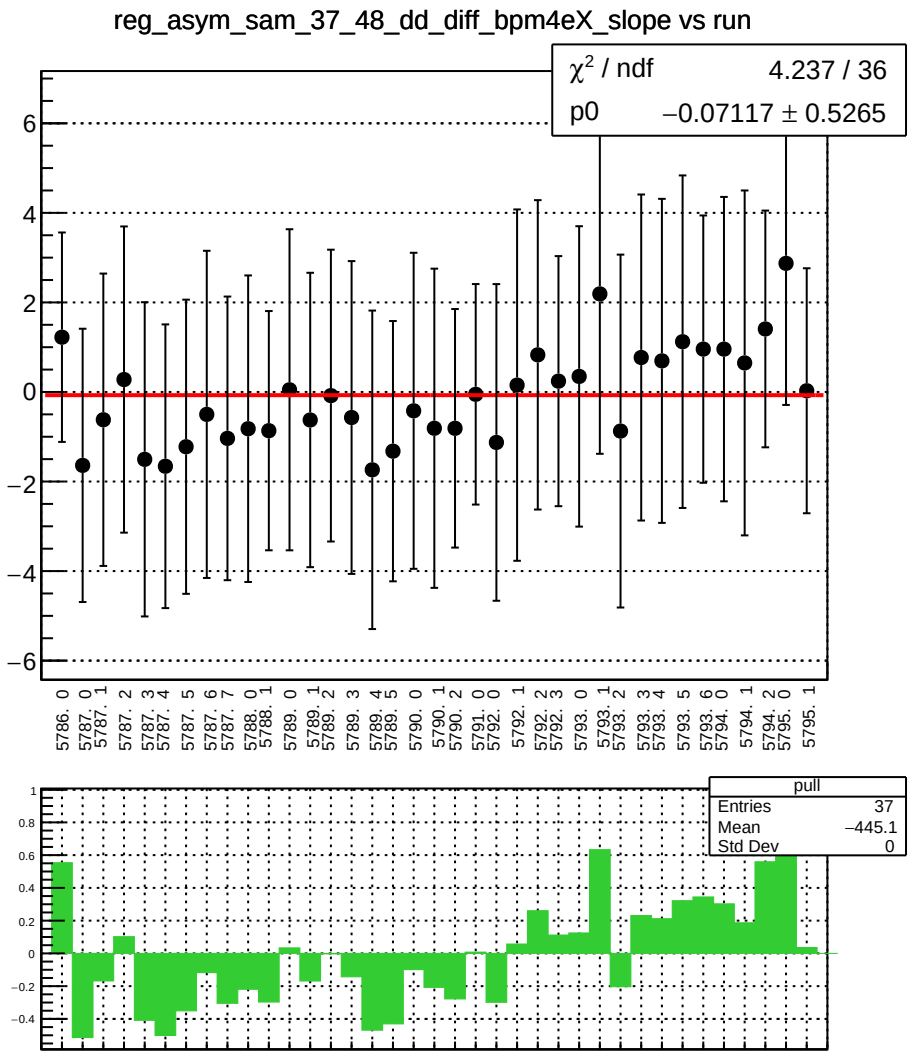

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.54 / 36
p0 −50.2 ± 0.7658
−40
−45
−50
−55
−60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −9.888
Std Dev 0
0.5
0
−0.5
−1
−1.5

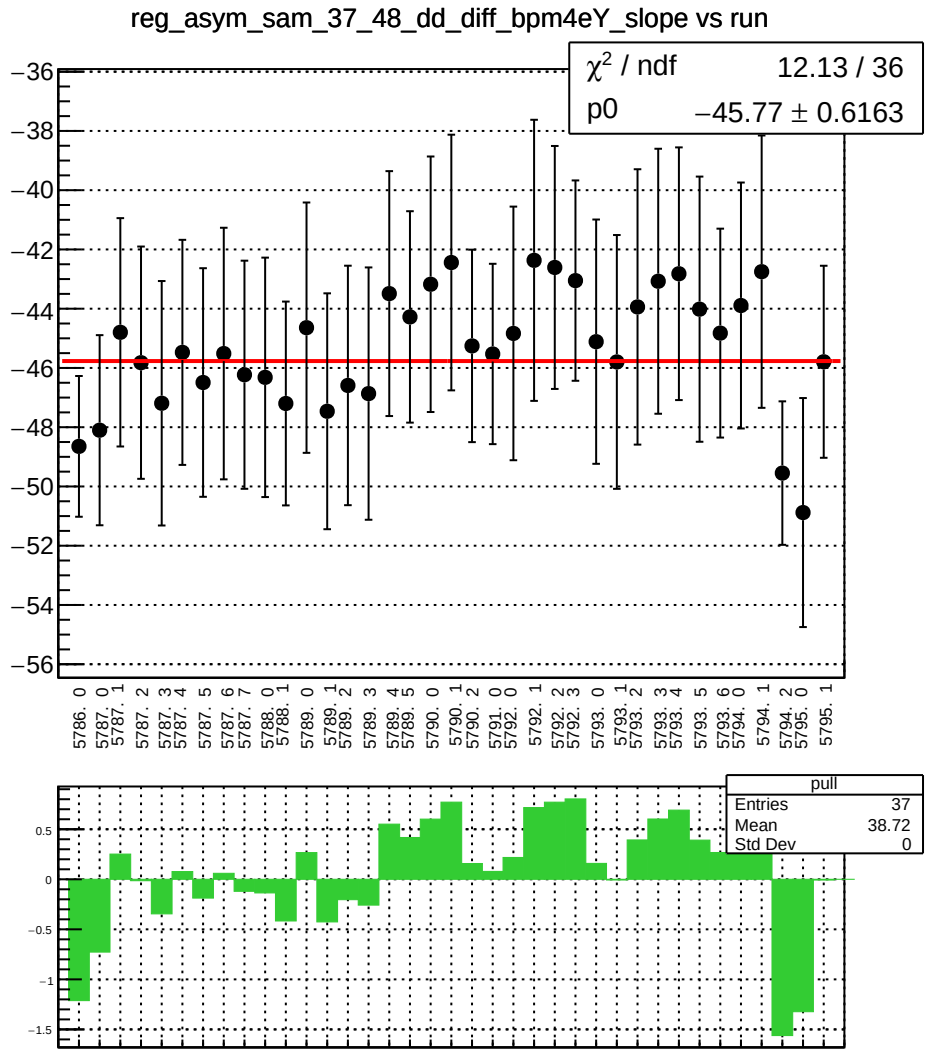

pull1D
Entries 37
Mean 0.06979
Std Dev 0.6009
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

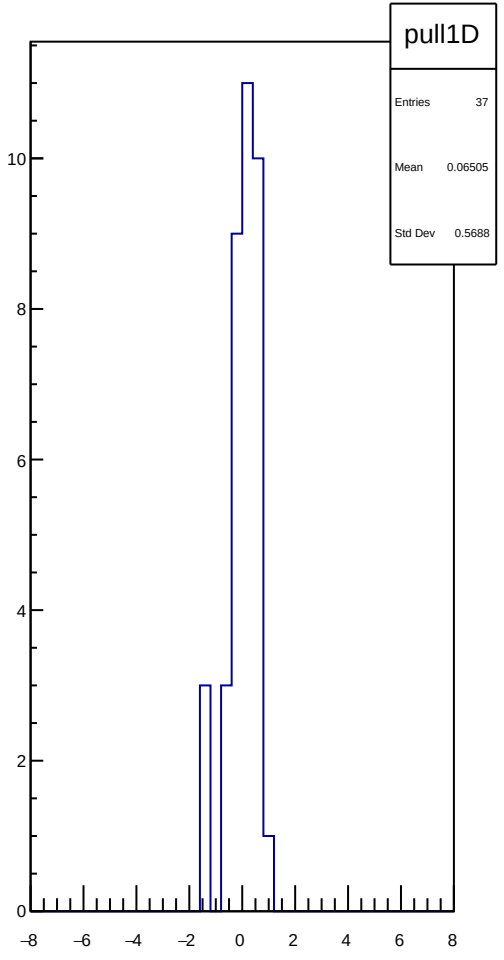

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs run
χ² / ndf 8.249 / 36
p0 0.3055 ± 0.05424
pull
Entries 37
Mean −48.93
Std Dev 0
pull1D
Entries 37
Mean 0.0464
Std Dev 0.4699

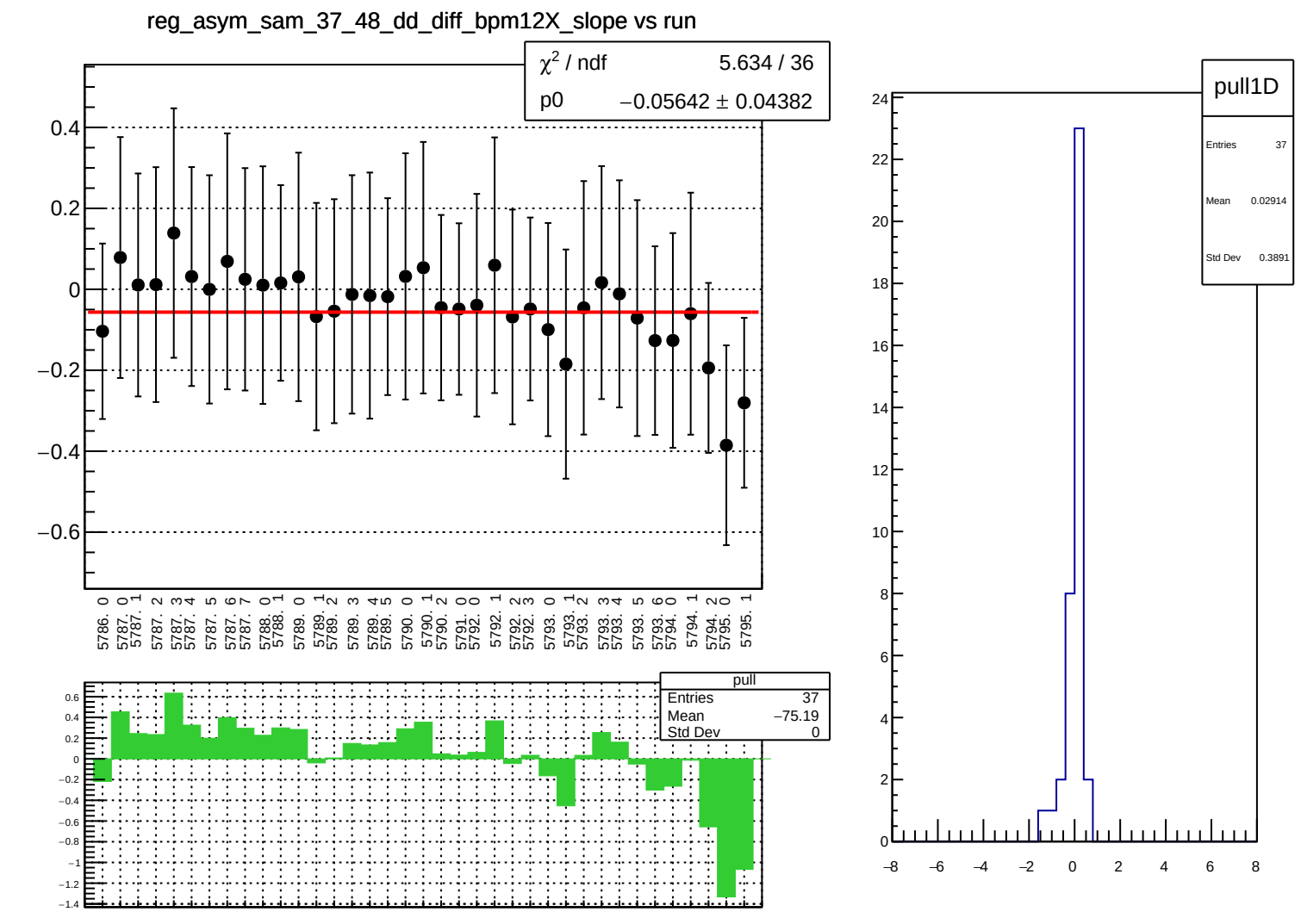

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs run
χ² / ndf 4.787 / 36
p0 −1.228 ± 0.3672
pull
Entries 37
Mean −309.6
Std Dev 0
pull1D
Entries 37
Mean 0.005545
Std Dev 0.3596

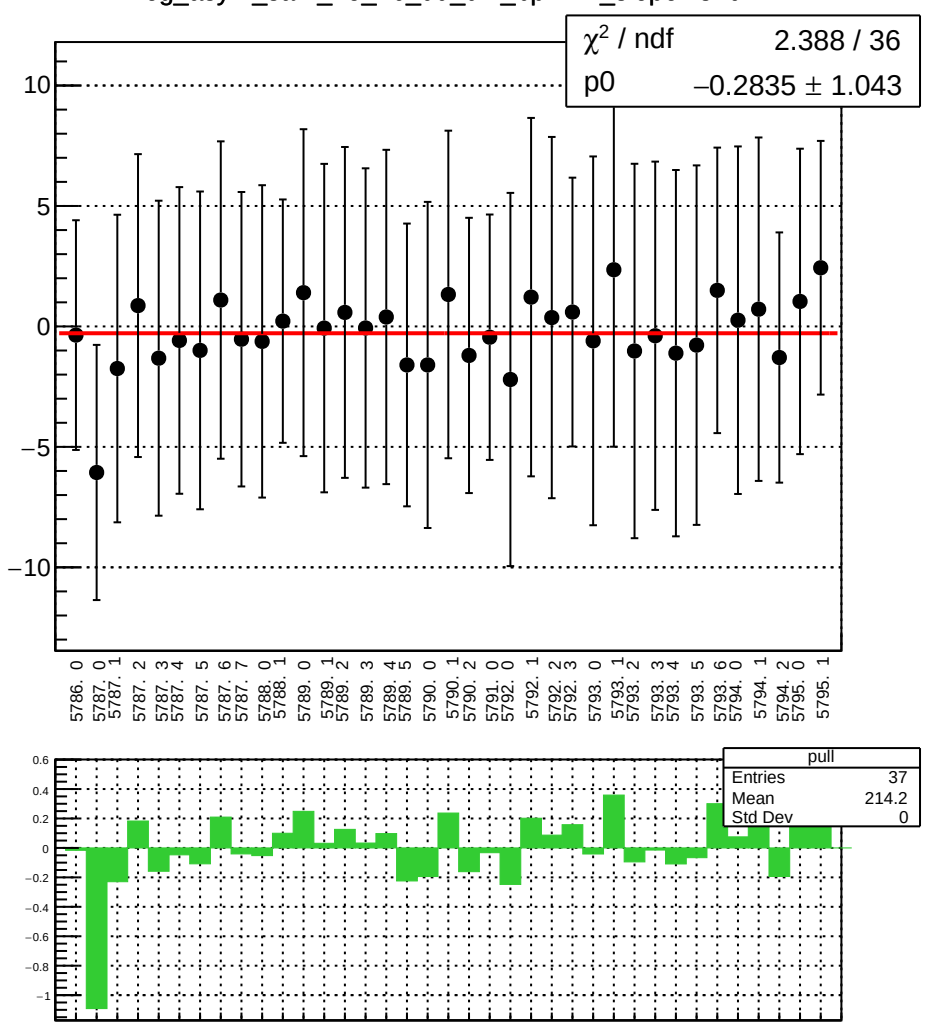

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.4 / 36
p0 7.833 ± 0.5627
pull
Entries 37
Mean 71
Std Dev 0
pull1D
Entries 37
Mean −0.04973
Std Dev 0.5528

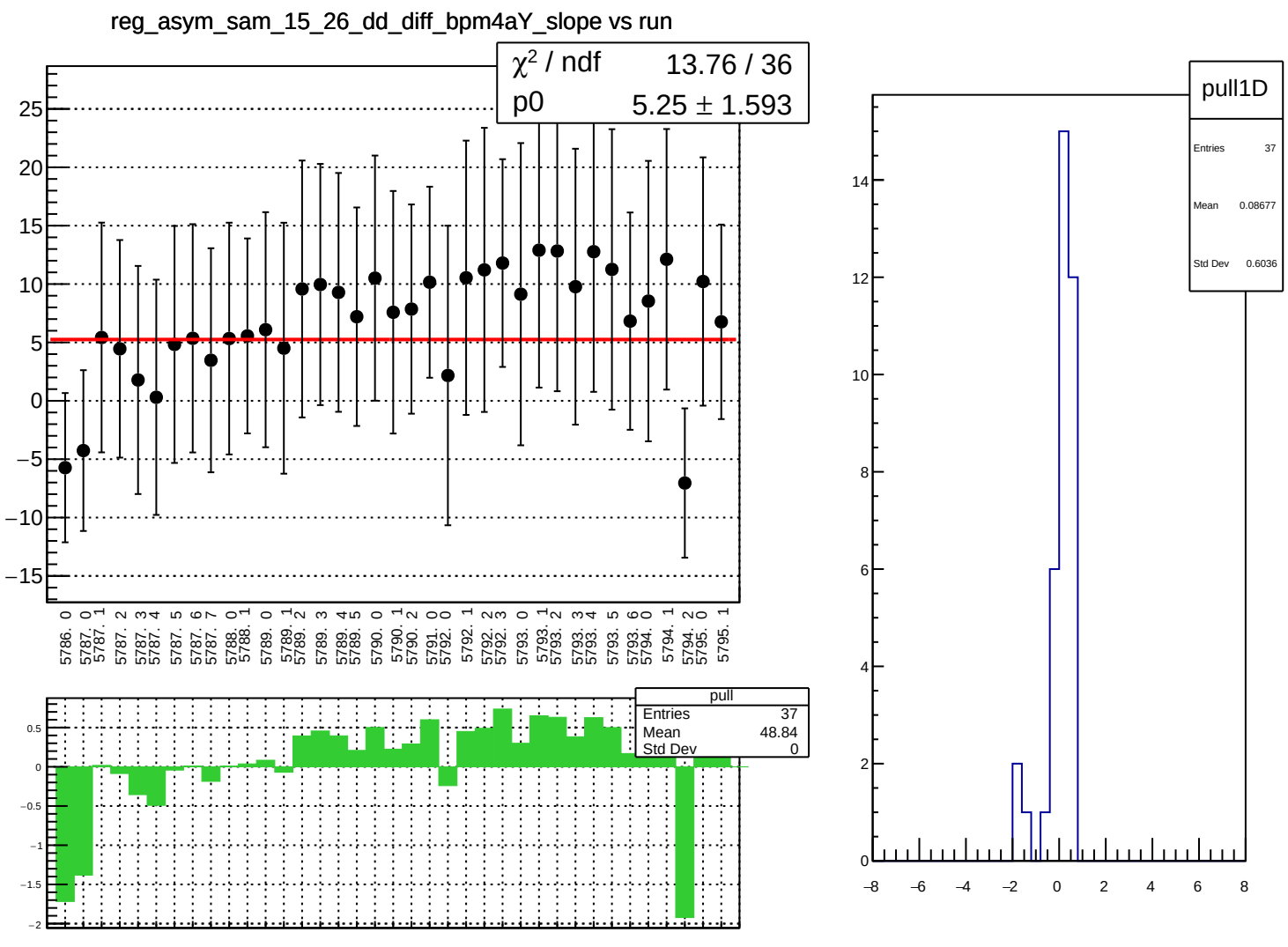

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.237 / 36
p0 −0.07117 ± 0.5265
pull
Entries 37
Mean −445.1
Std Dev 0
pull1D
Entries 37
Mean −0.004628
Std Dev 0.3383

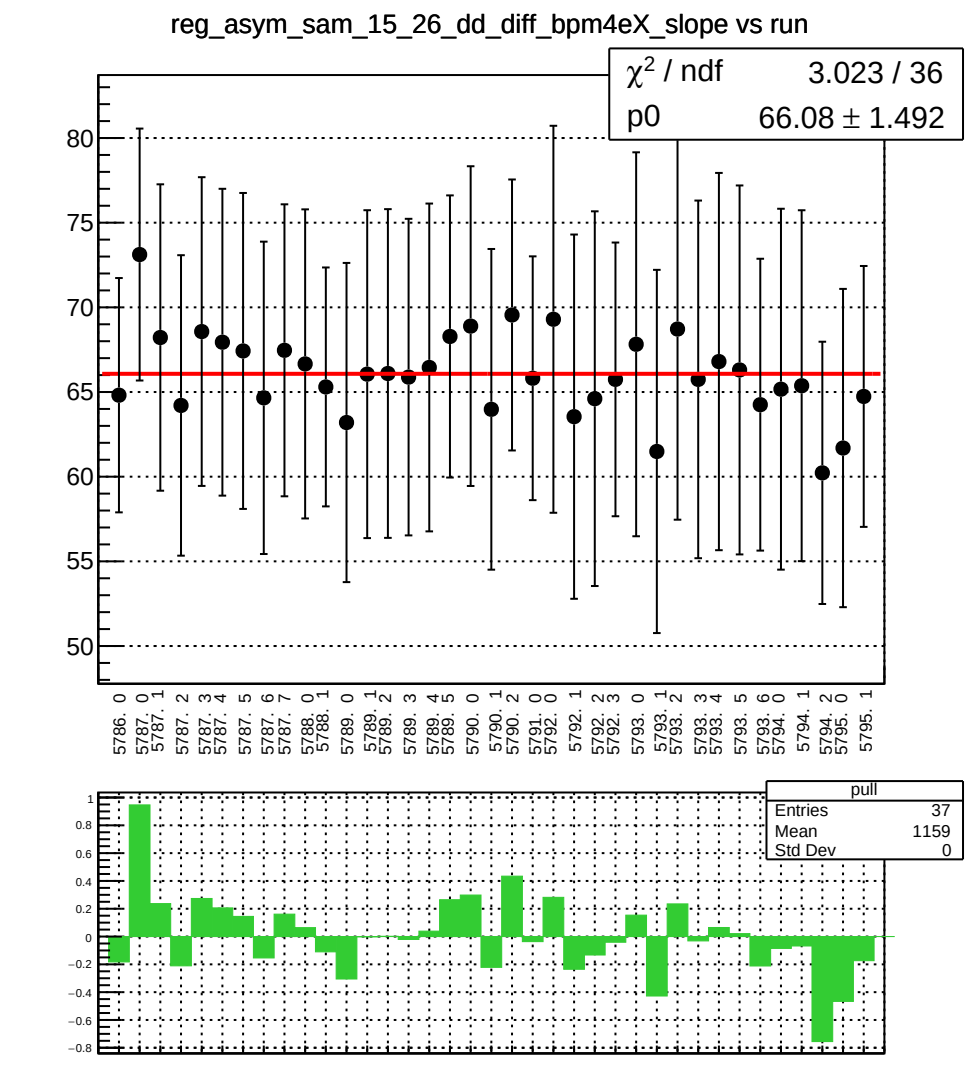

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.13 / 36
p0 −45.77 ± 0.6163
pull
Entries 37
Mean 38.72
Std Dev 0

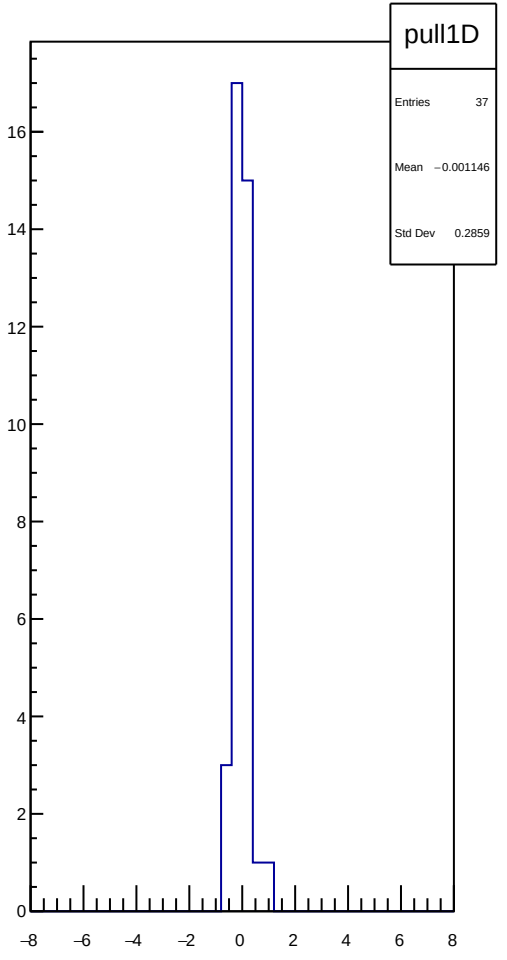

pull1D
Entries 37
Mean 0.06505
Std Dev 0.5688

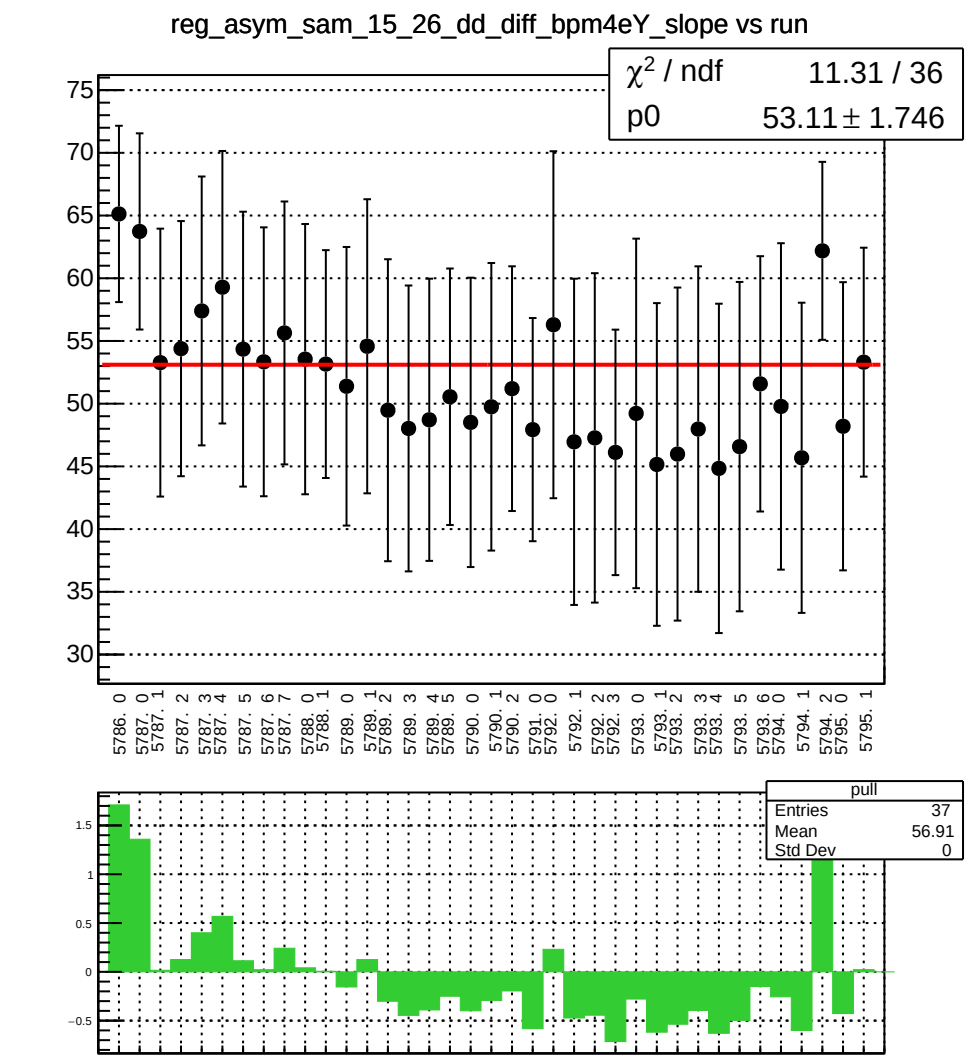

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs run
χ² / ndf 5.634 / 36
p0 −0.05642 ± 0.04382
0.4
0.2
0
−0.2
−0.4
−0.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −75.19
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 37
Mean 0.02914
Std Dev 0.3891
24
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

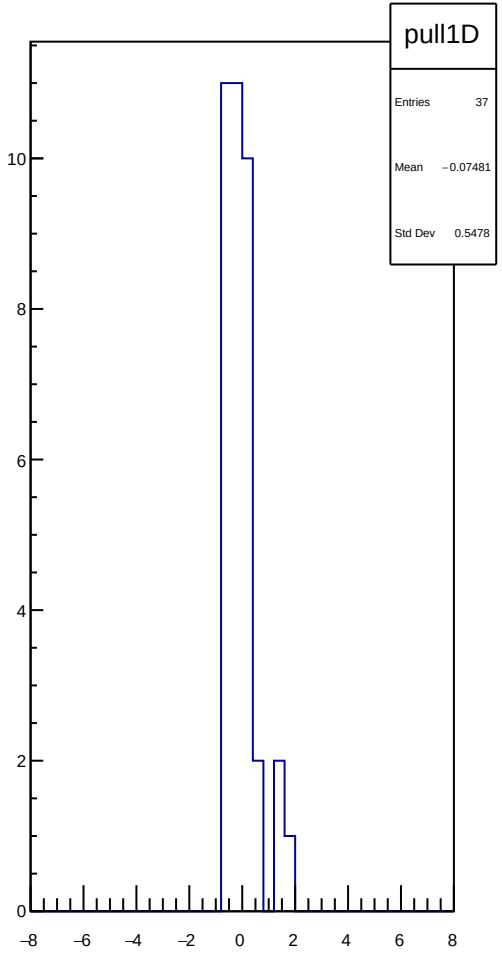

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.388 / 36
p0 −0.2835 ± 1.043
pull
Entries 37
Mean 214.2
Std Dev 0
pull1D
Entries 37
Mean 0.0051
Std Dev 0.254

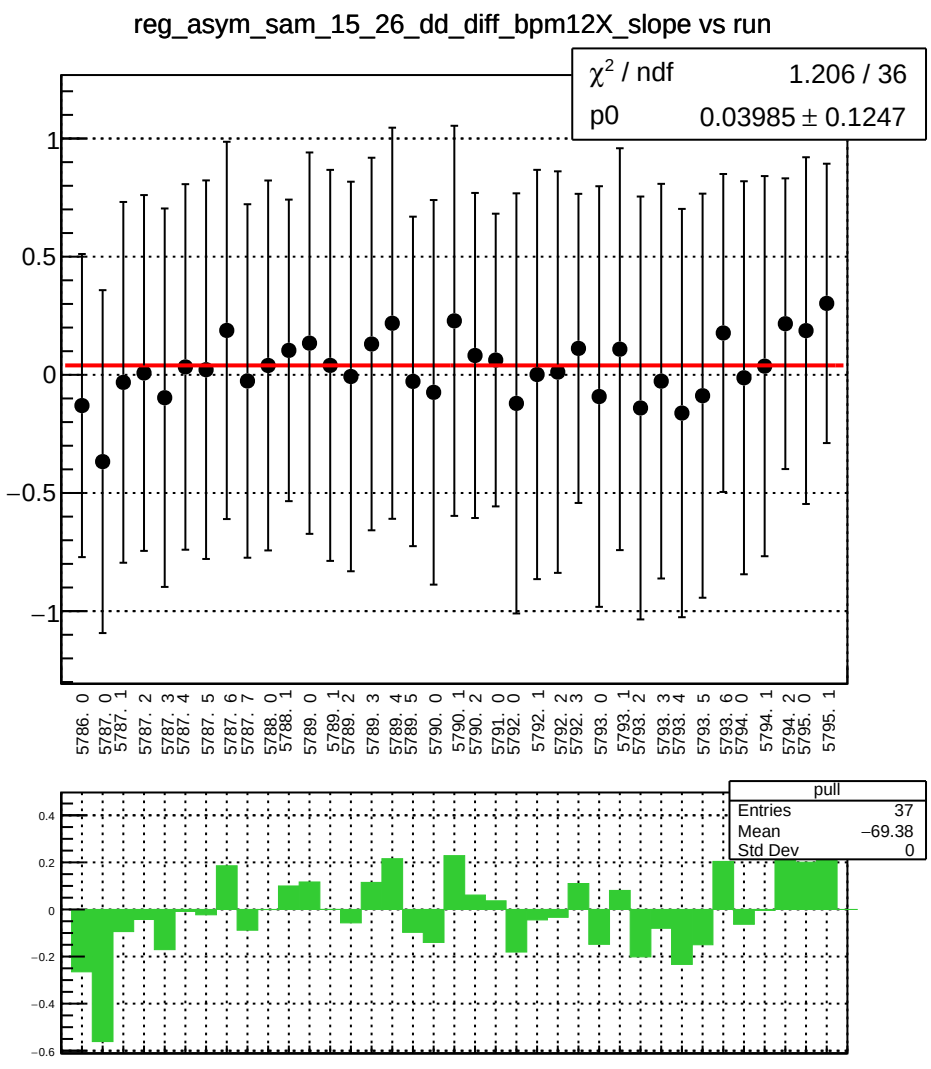

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 13.76 / 36
p0 5.25 ± 1.593
pull
Entries 37
Mean 48.84
Std Dev 0
pull1D
Entries 37
Mean 0.08677
Std Dev 0.6036

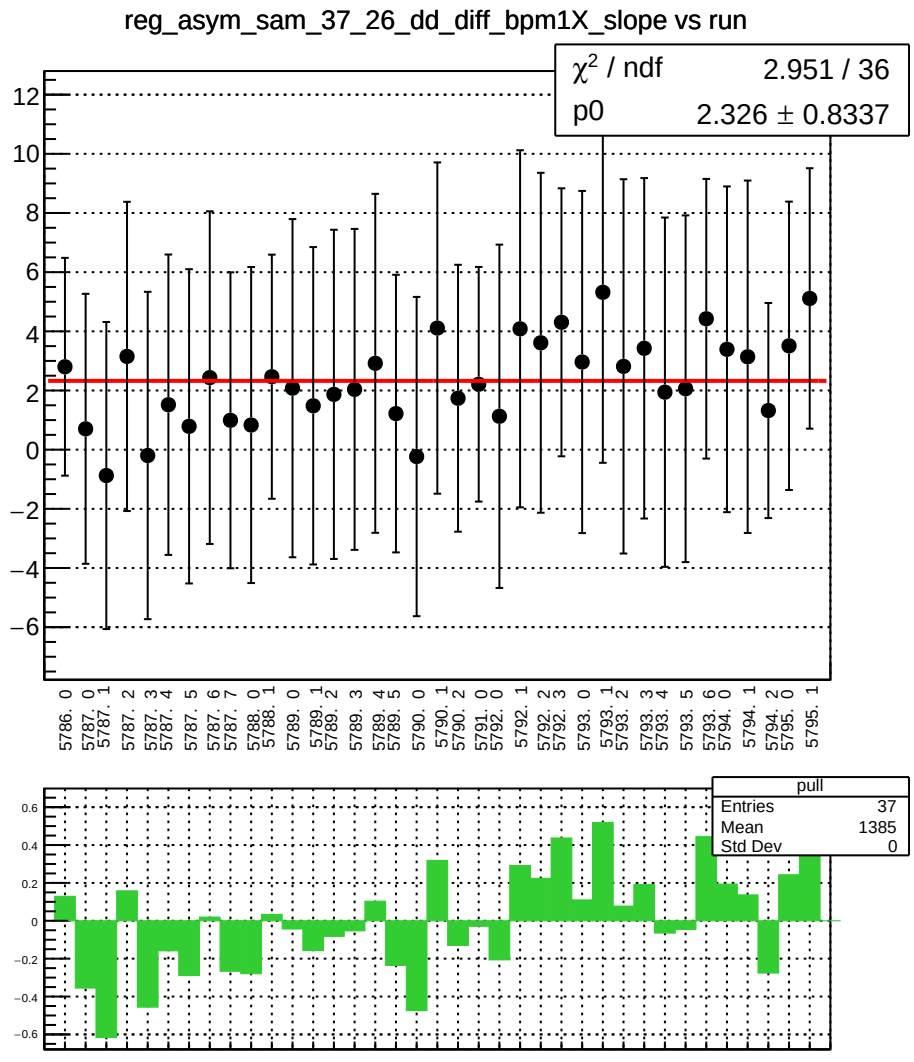

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.023 / 36
p0 66.08 ± 1.492
80
75
70
65
60
55
50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1159
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

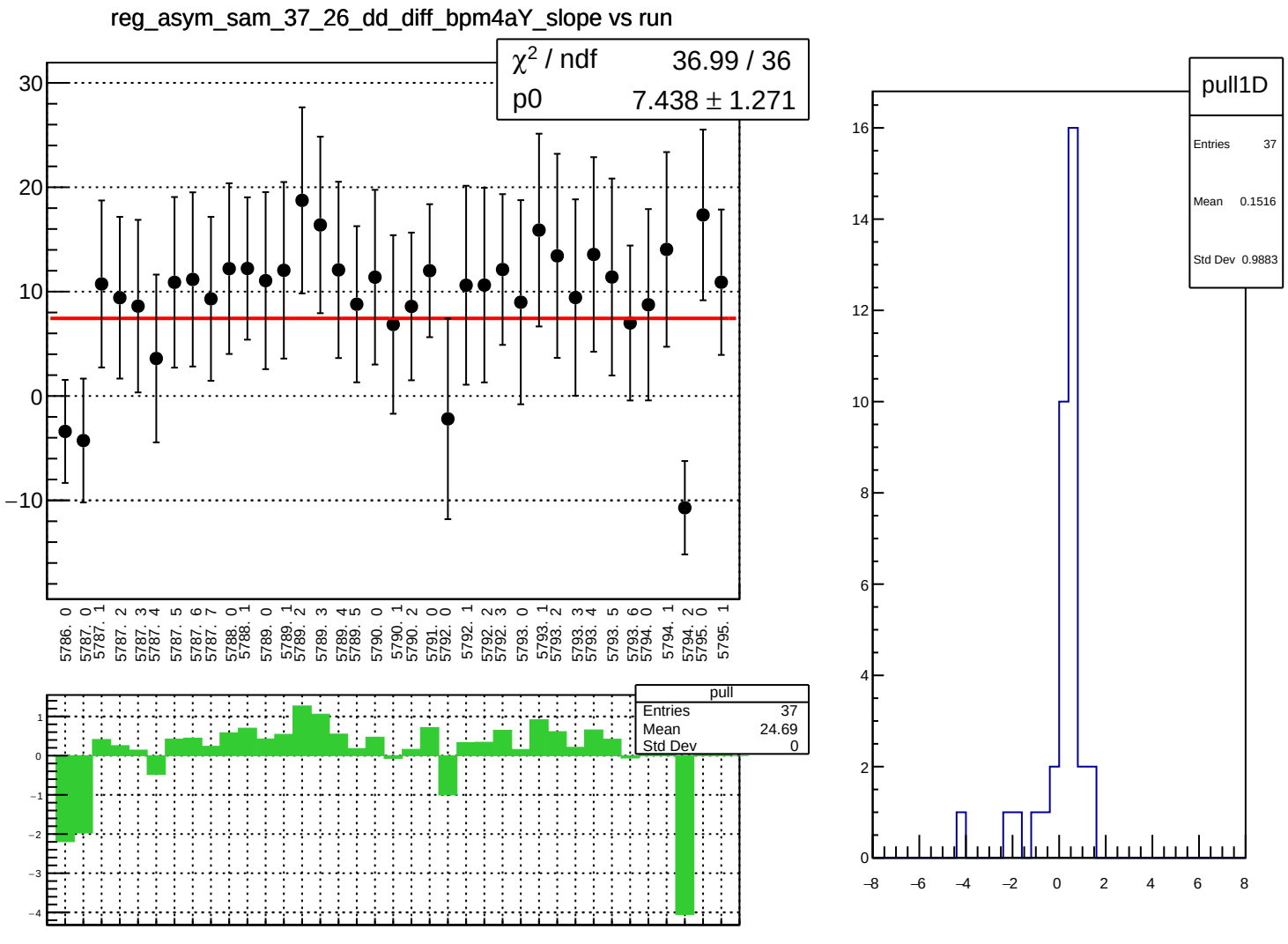

pull1D
Entries 37
Mean −0.001146
Std Dev 0.2859
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

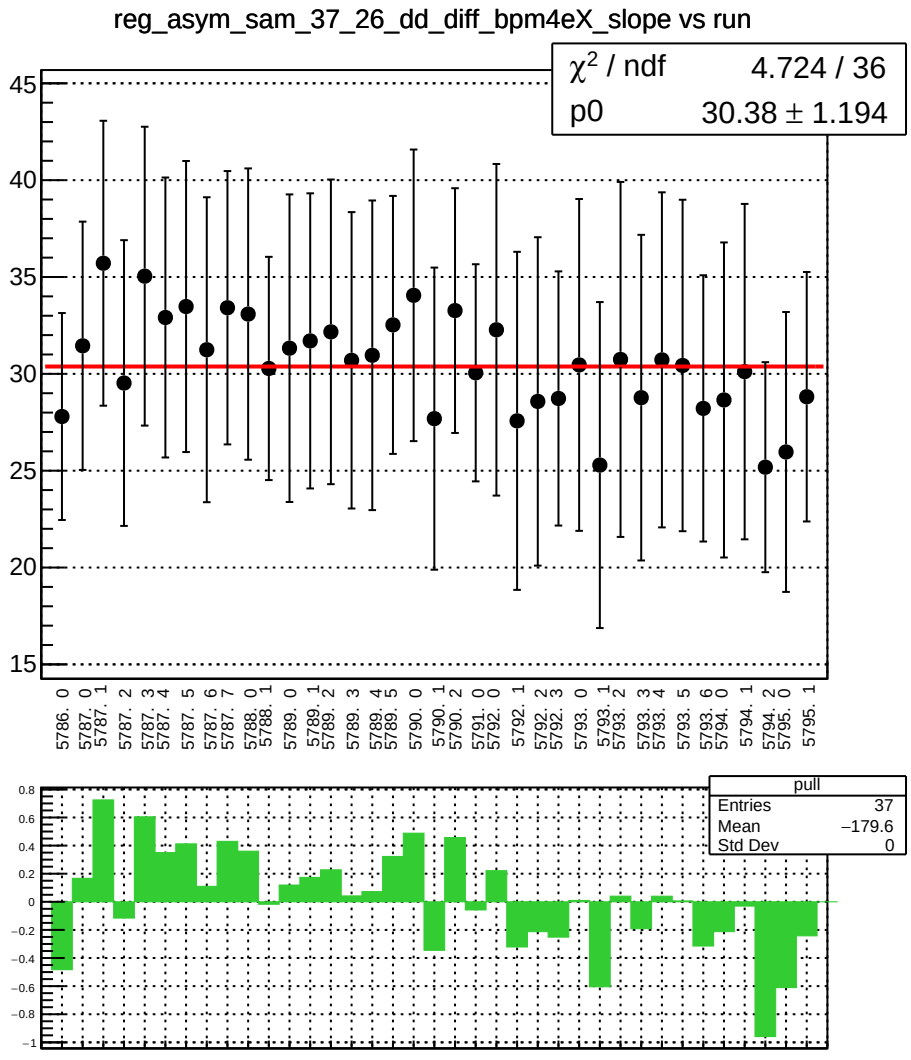

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.31 / 36
p0 53.11 ± 1.746
pull
Entries 37
Mean 56.91
Std Dev 0

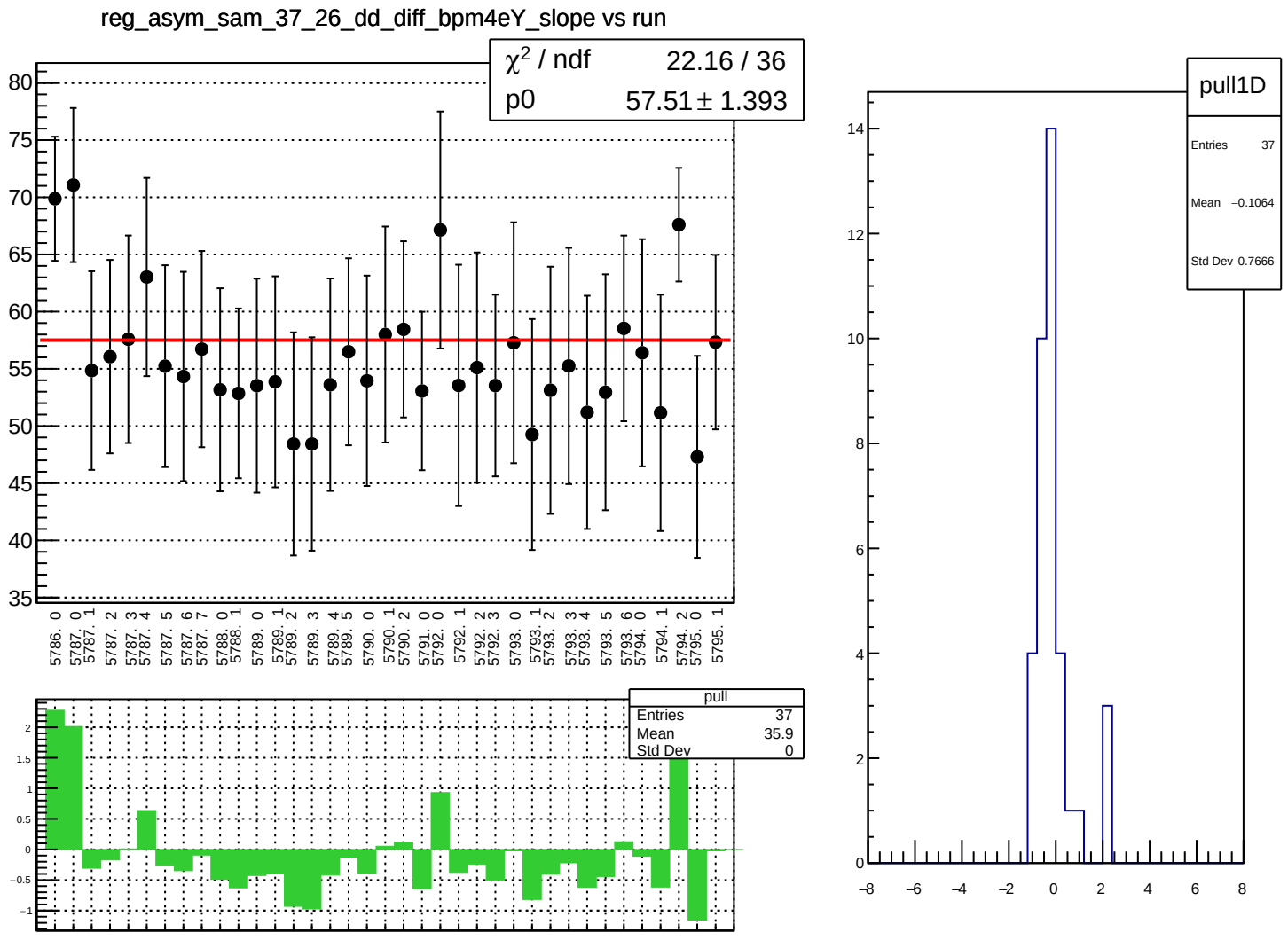

pull1D
Entries 37
Mean −0.07481
Std Dev 0.5478

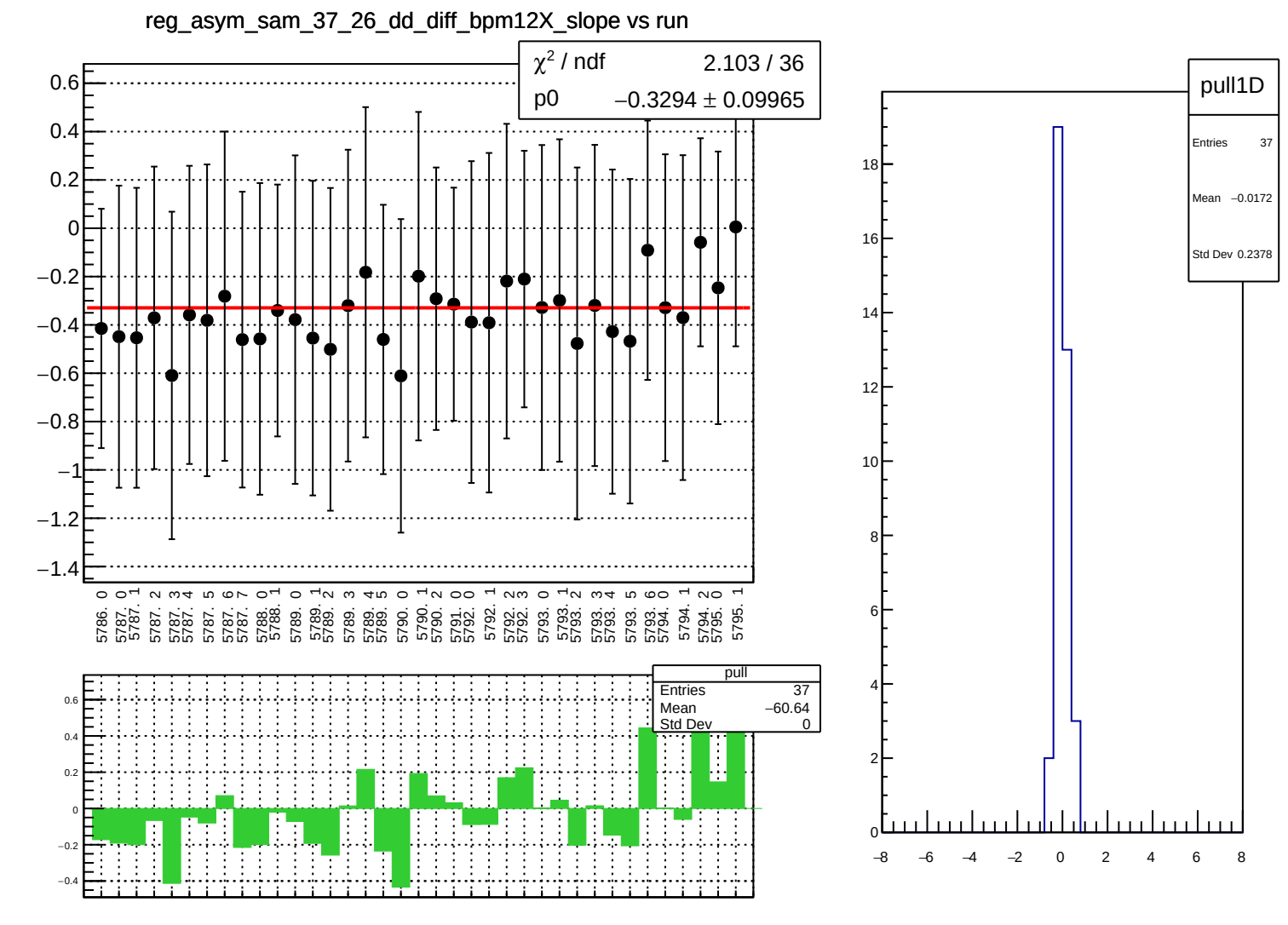

reg_asym_sam_15_26_dd_diff_bpm12X_slope vs run
χ² / ndf 1.206 / 36
p0 0.03985 ± 0.1247
pull
Entries 37
Mean −69.38
Std Dev 0
pull1D
Entries 37
Mean −0.008059
Std Dev 0.1803

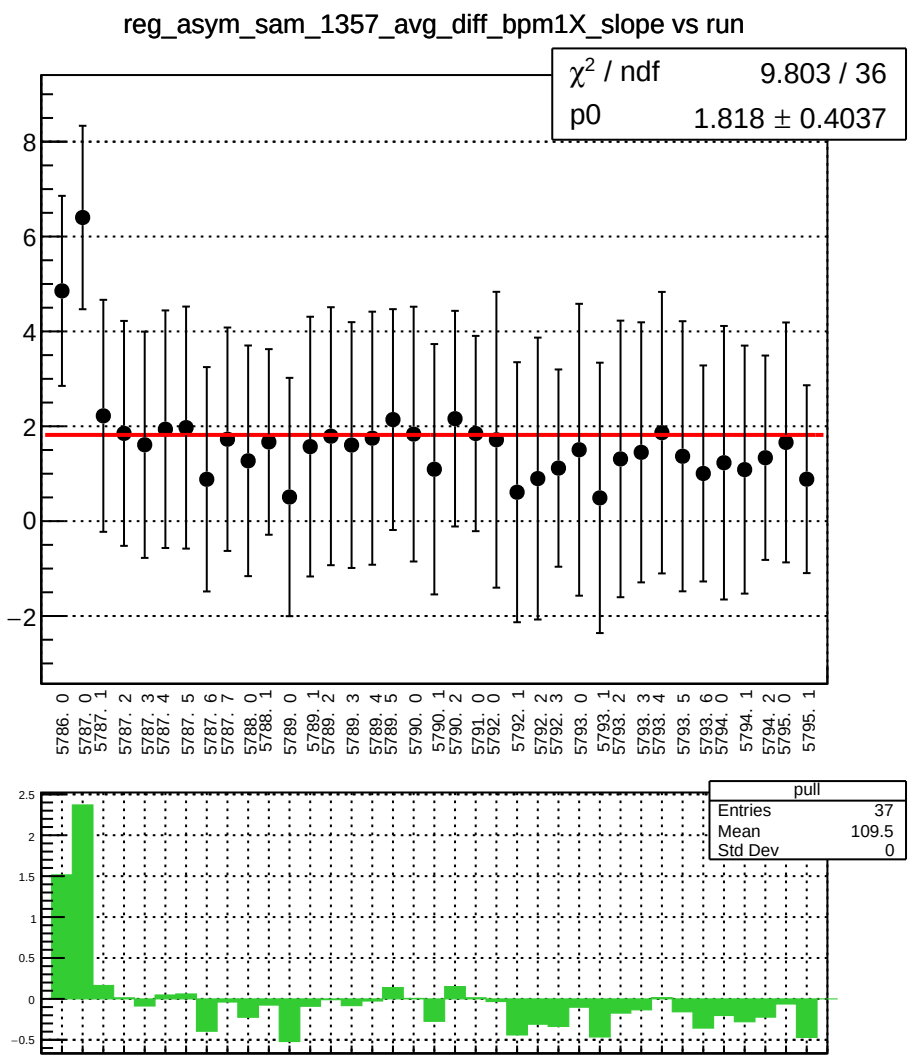

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs run
χ² / ndf 2.951 / 36
p0 2.326 ± 0.8337
pull
Entries 37
Mean 1385
Std Dev 0
pull1D
Entries 37
Mean 0.001233
Std Dev 0.2824

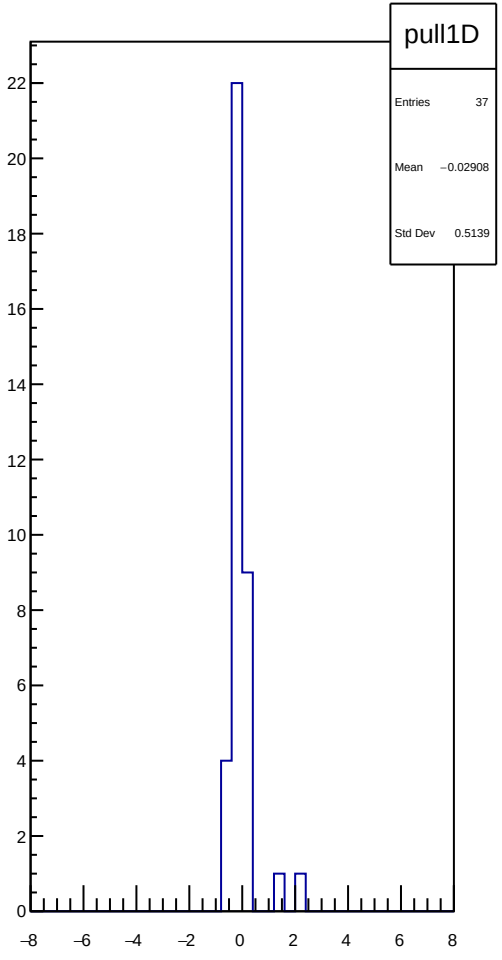

reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs run
χ² / ndf 36.99 / 36
p0 7.438 ± 1.271
30
20
10
0
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 24.69
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean 0.1516
Std Dev 0.9883
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

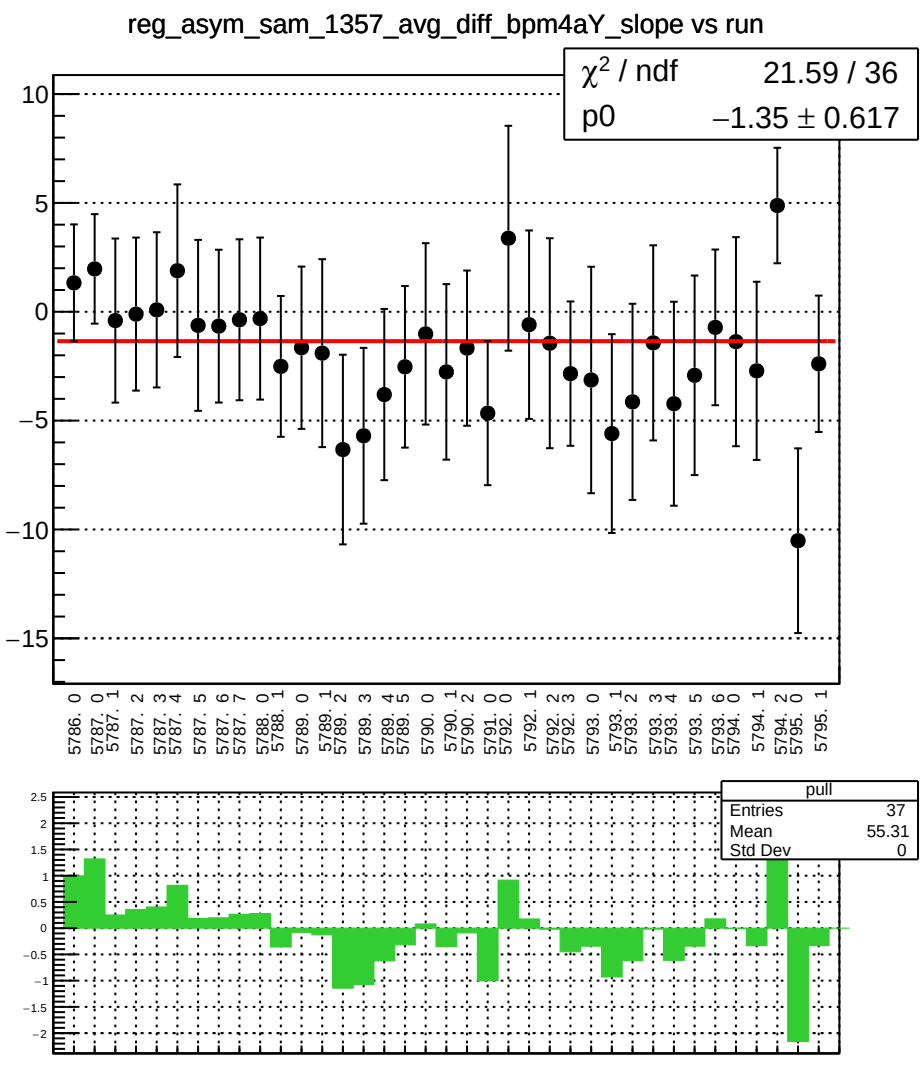

reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs run
χ² / ndf 4.724 / 36
p0 30.38 ± 1.194
pull
Entries 37
Mean −179.6
Std Dev 0
pull1D
Entries 37
Mean 0.0111
Std Dev 0.3572

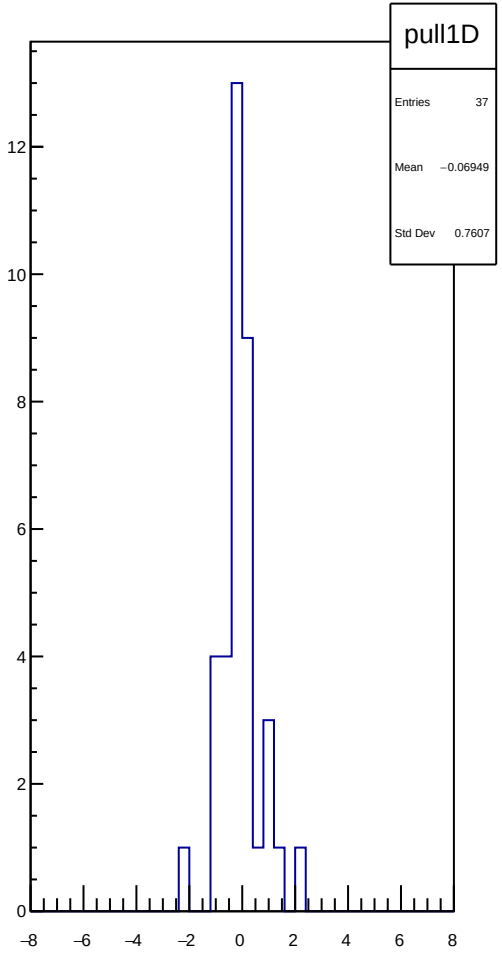

reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs run
χ² / ndf 22.16 / 36
p0 57.51 ± 1.393
pull
Entries 37
Mean 35.9
Std Dev 0
pull1D
Entries 37
Mean −0.1064
Std Dev 0.7666

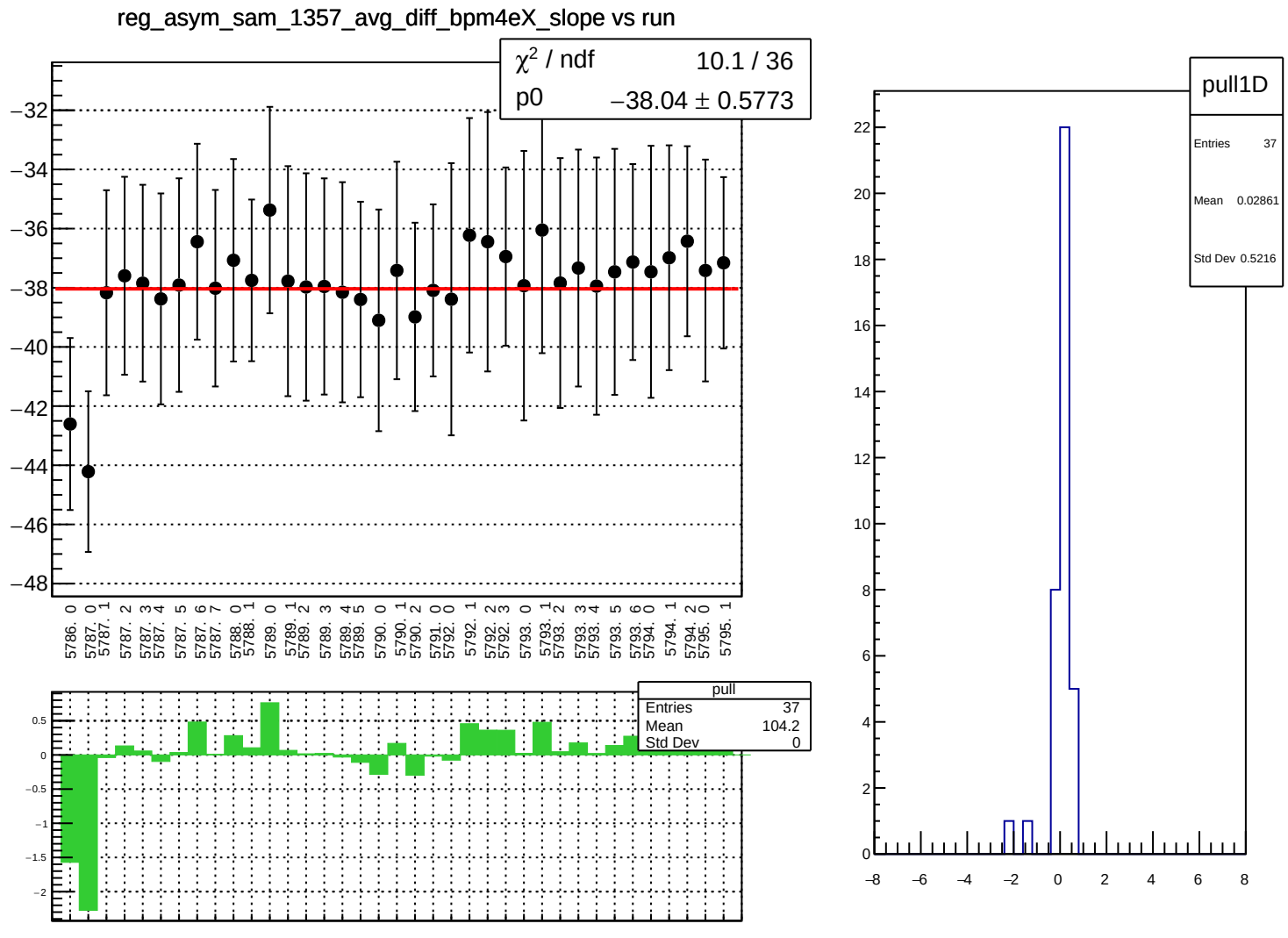

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs run
χ² / ndf 2.103 / 36
p0 −0.3294 ± 0.09965
pull
Entries 37
Mean −60.64
Std Dev 0
pull1D
Entries 37
Mean −0.0172
Std Dev 0.2378

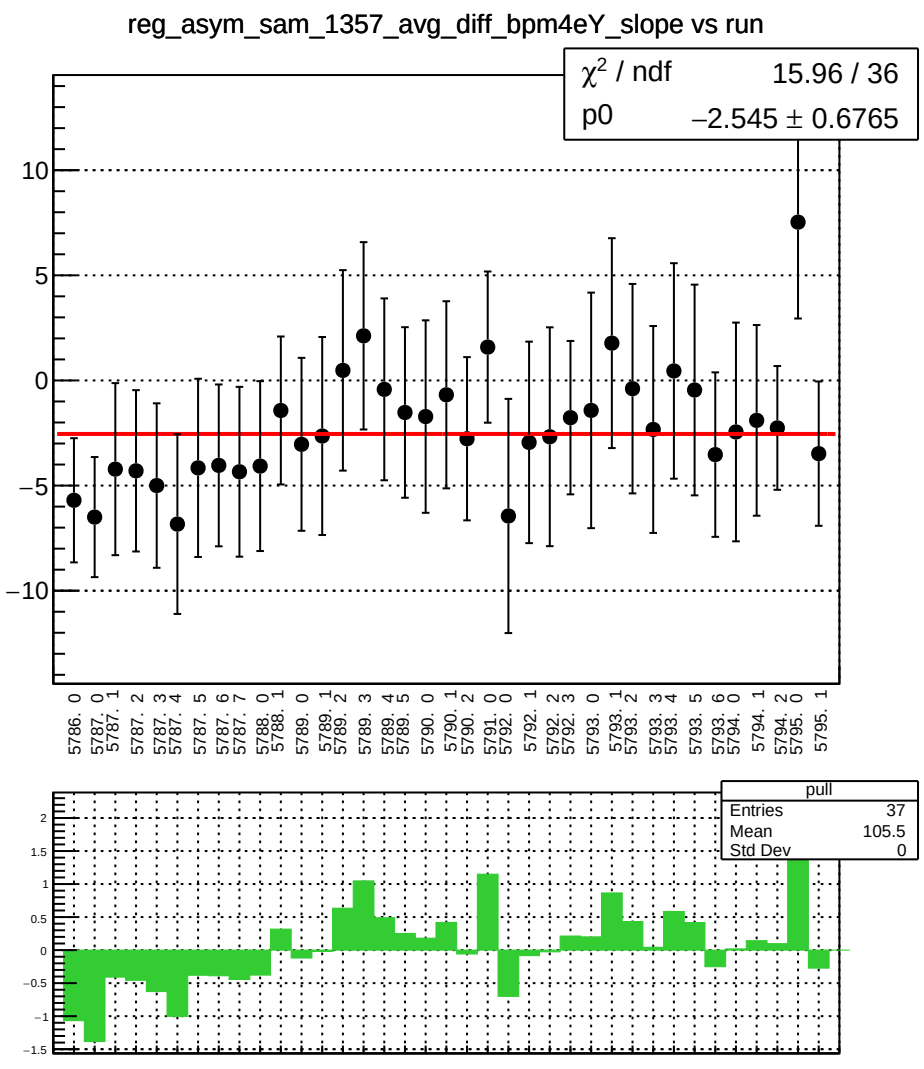

reg_asym_sam_1357_avg_diff_bpm1X_slope vs run
χ² / ndf 9.803 / 36
p0 1.818 ± 0.4037
pull
Entries 37
Mean 109.5
Std Dev 0

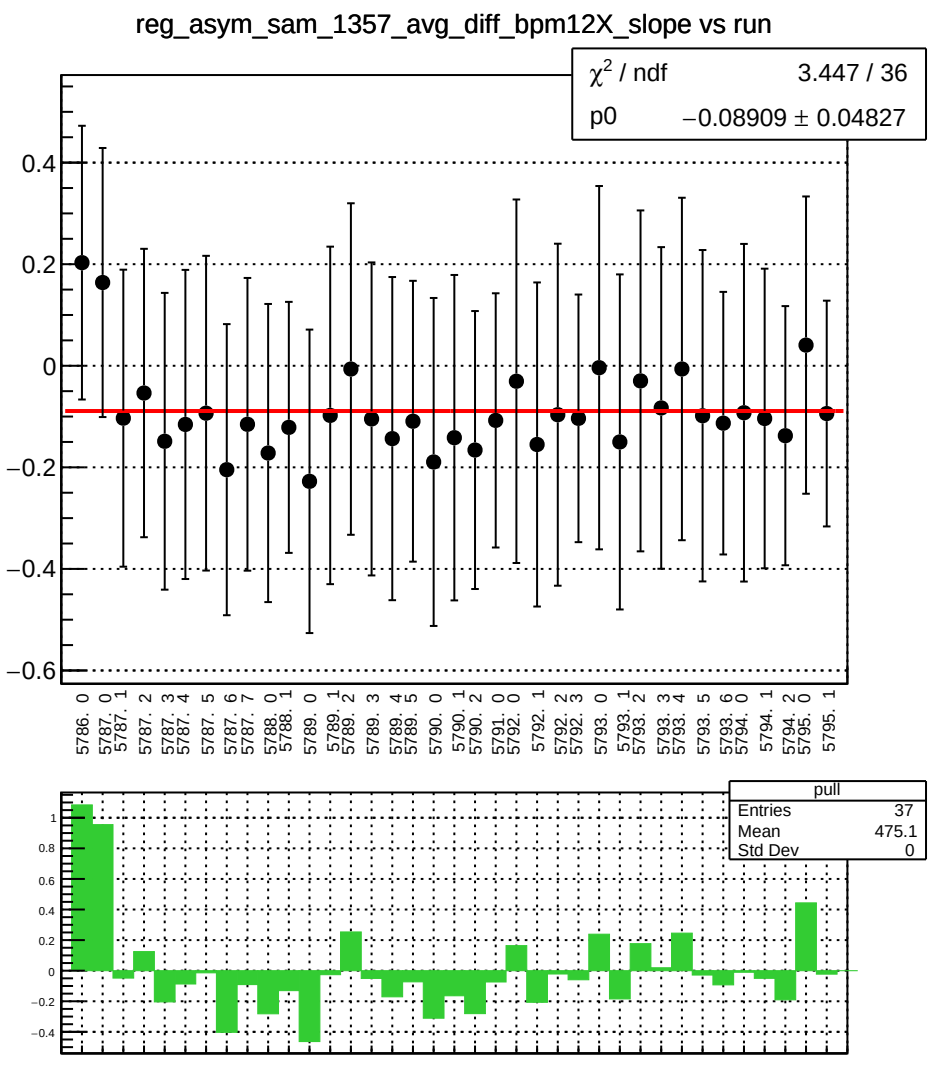

pull1D
Entries 37
Mean −0.02908
Std Dev 0.5139

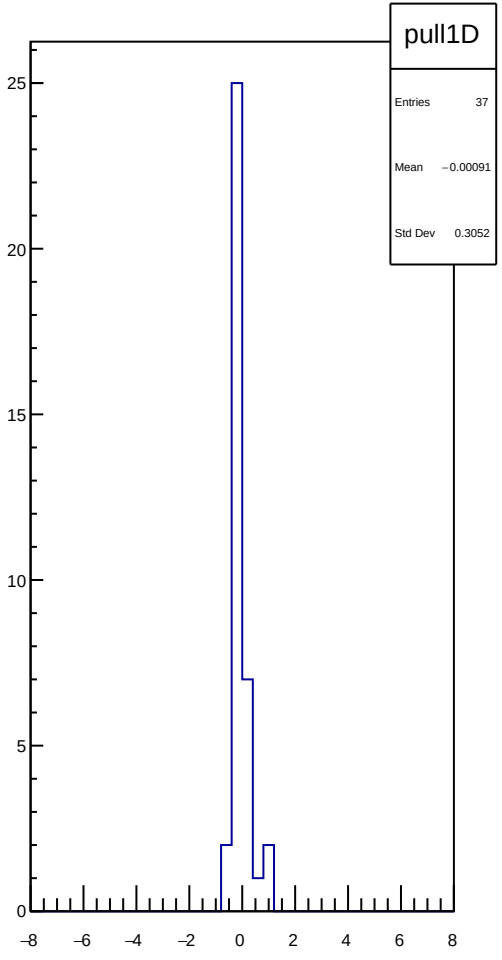

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs run
χ² / ndf 21.59 / 36
p0 −1.35 ± 0.617
pull
Entries 37
Mean 55.31
Std Dev 0

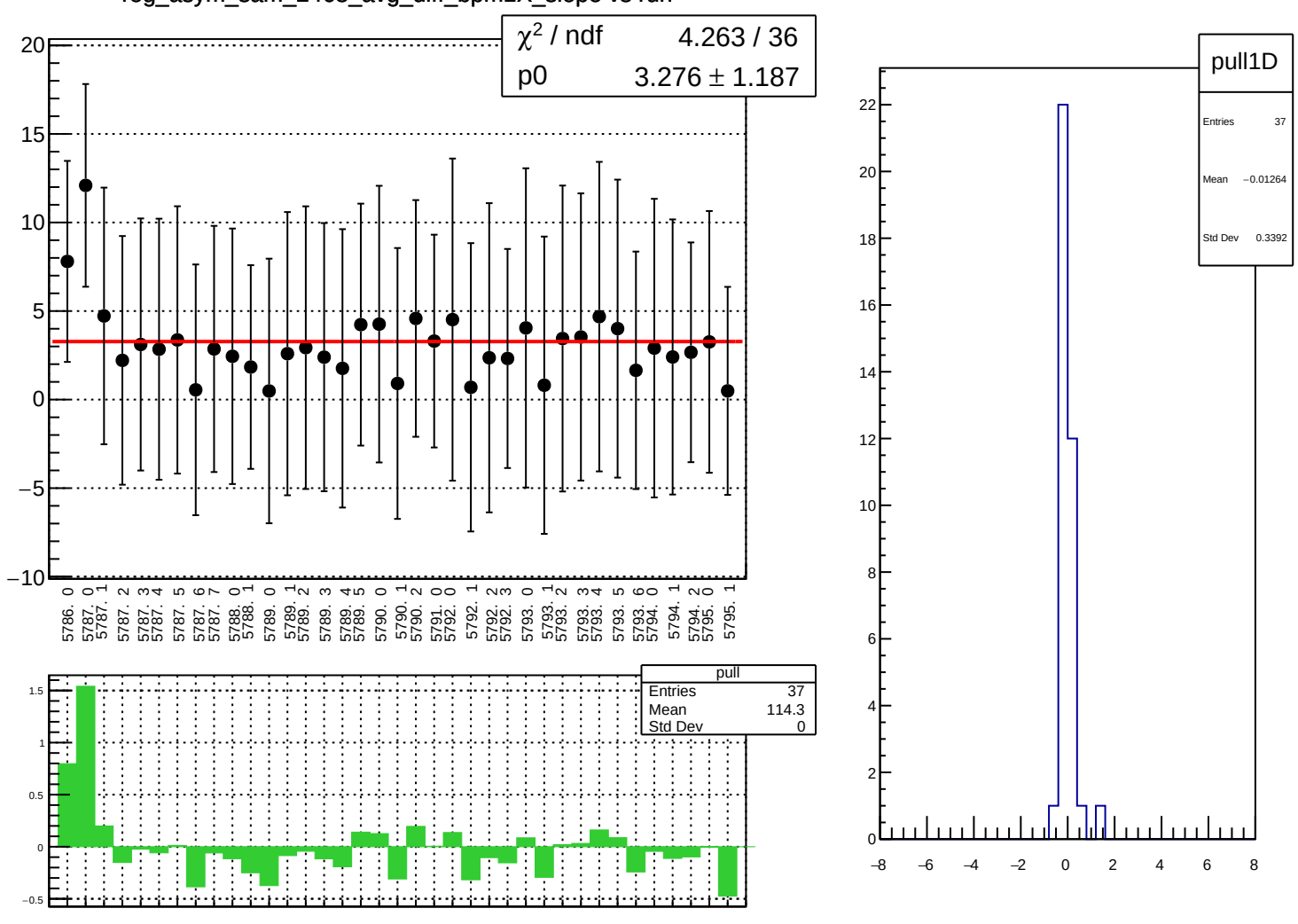

pull1D
Entries 37
Mean −0.06949
Std Dev 0.7607

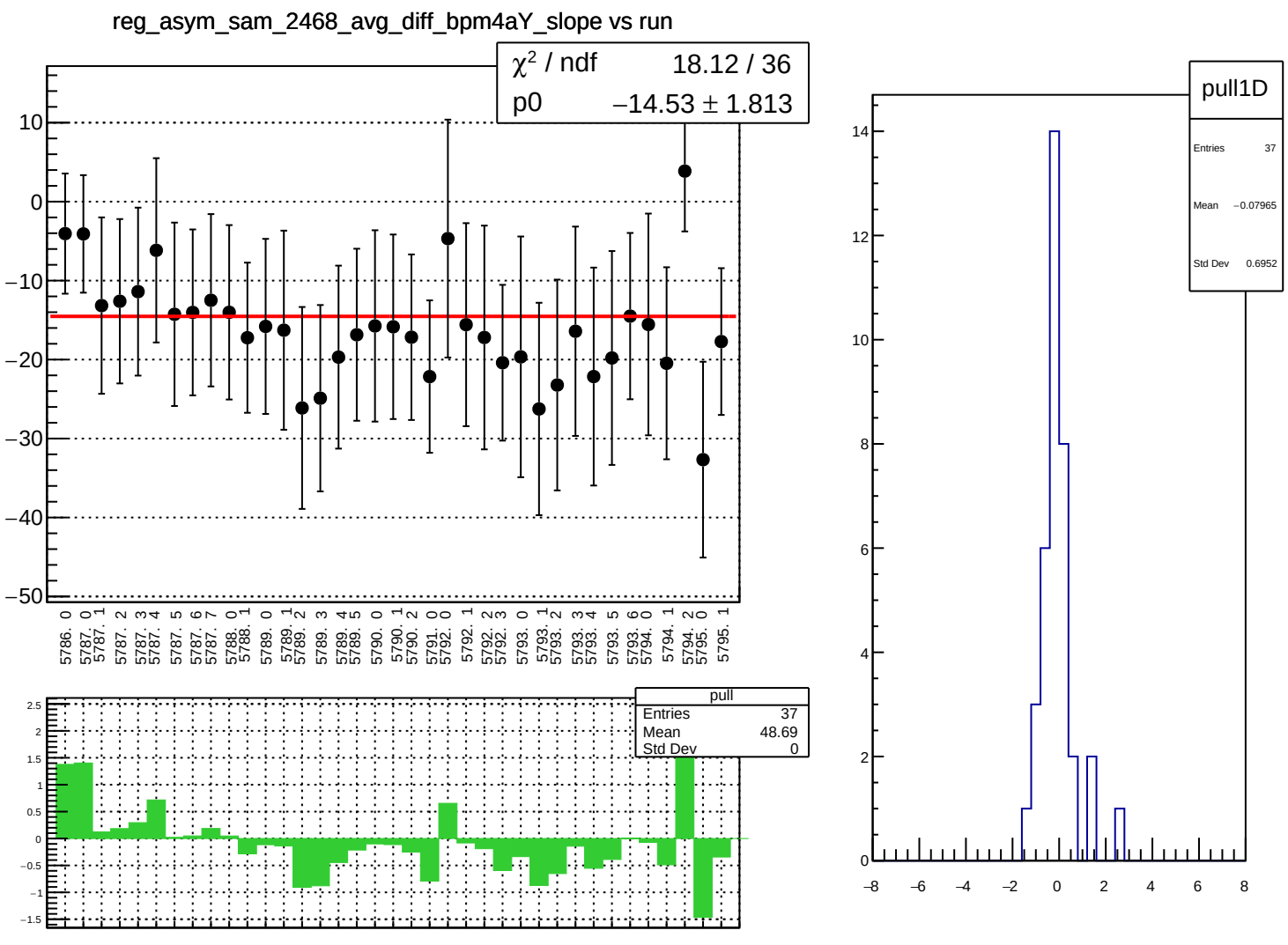

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs run
χ² / ndf 10.1 / 36
p0 −38.04 ± 0.5773
pull
Entries 37
Mean 104.2
Std Dev 0
pull1D
Entries 37
Mean 0.02861
Std Dev 0.5216

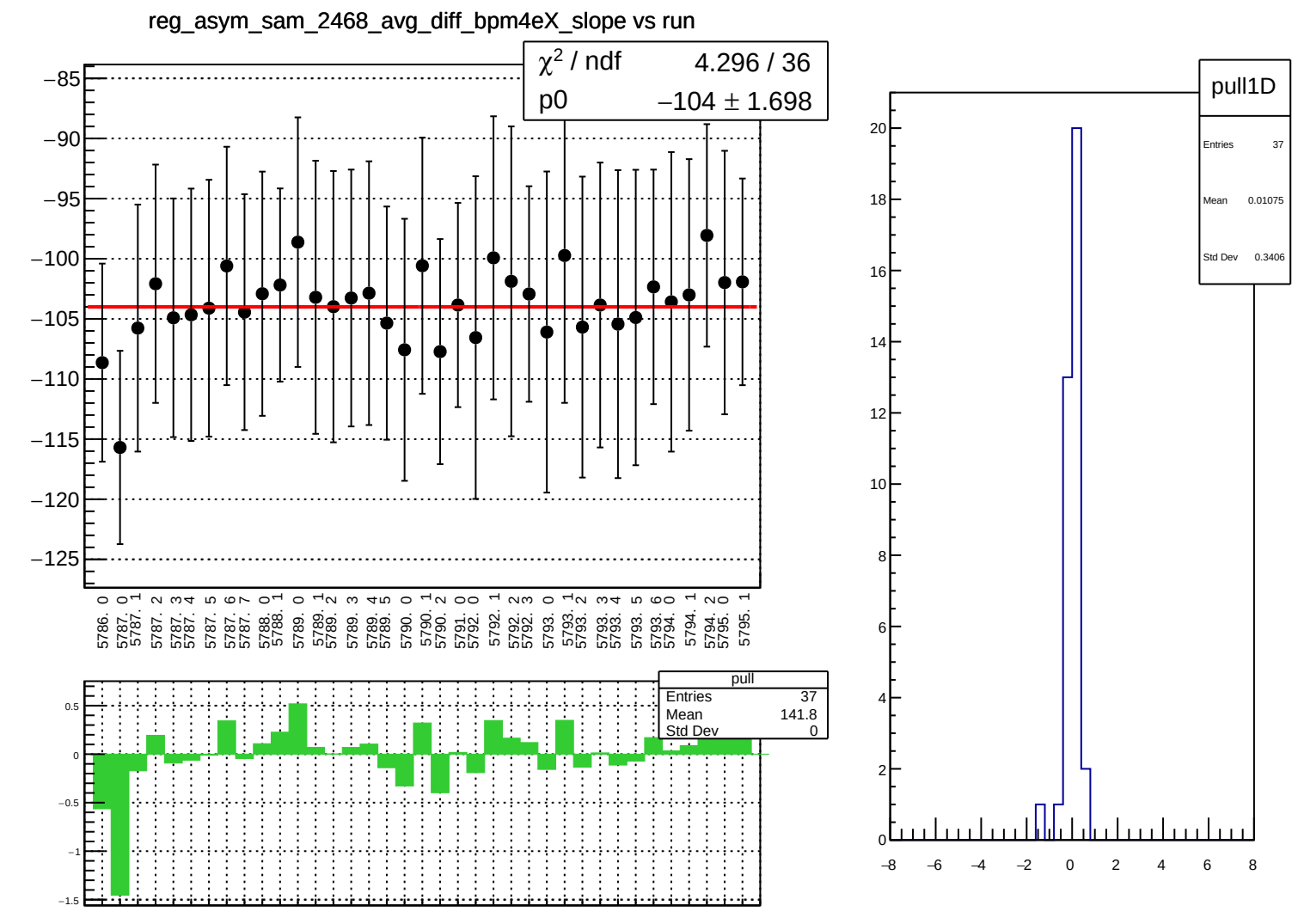

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs run
χ² / ndf 15.96 / 36
p0 −2.545 ± 0.6765
10
5
0
−5
−10
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 105.5
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.04406
Std Dev 0.6552
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

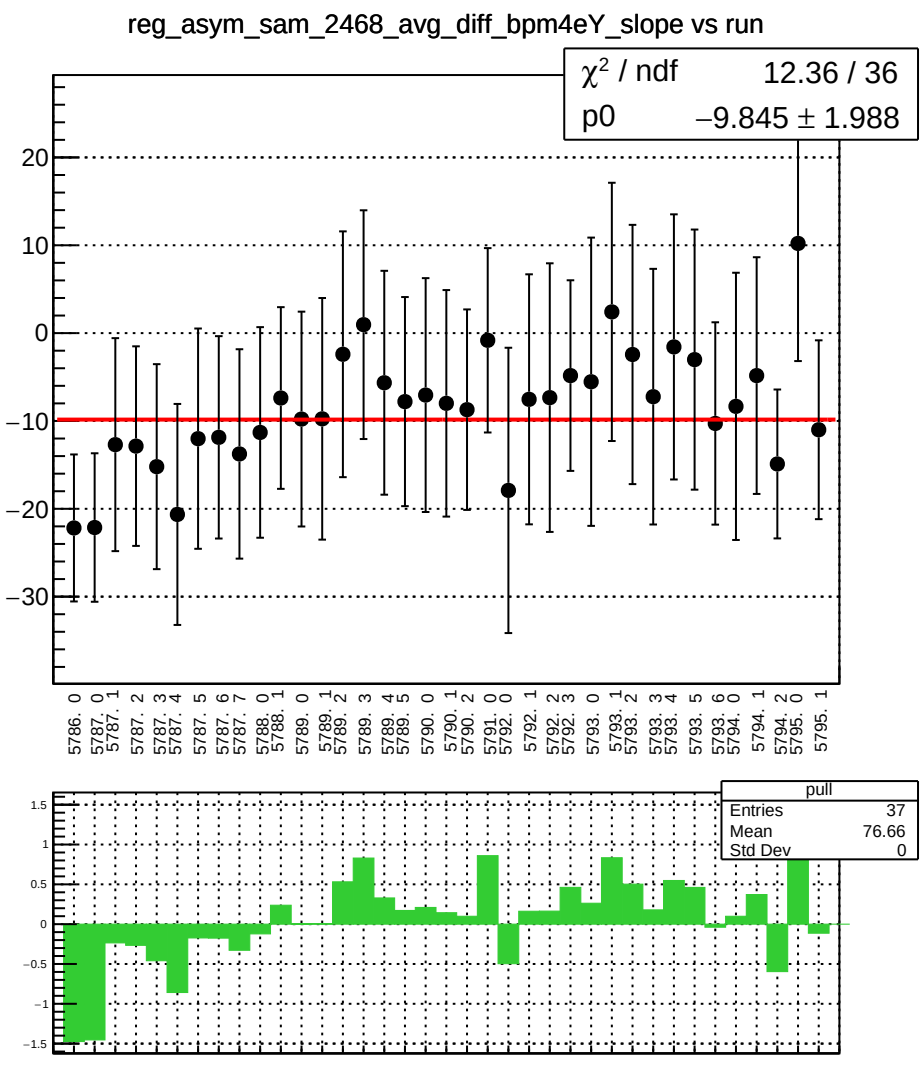

reg_asym_sam_1357_avg_diff_bpm12X_slope vs run
χ² / ndf 3.447 / 36
p0 −0.08909 ± 0.04827
pull
Entries 37
Mean 475.1
Std Dev 0

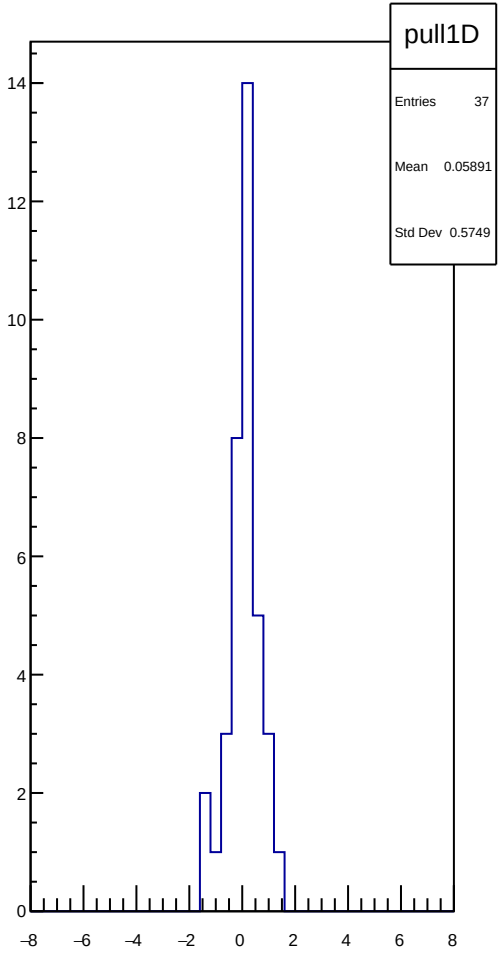

pull1D
Entries 37
Mean −0.00091
Std Dev 0.3052

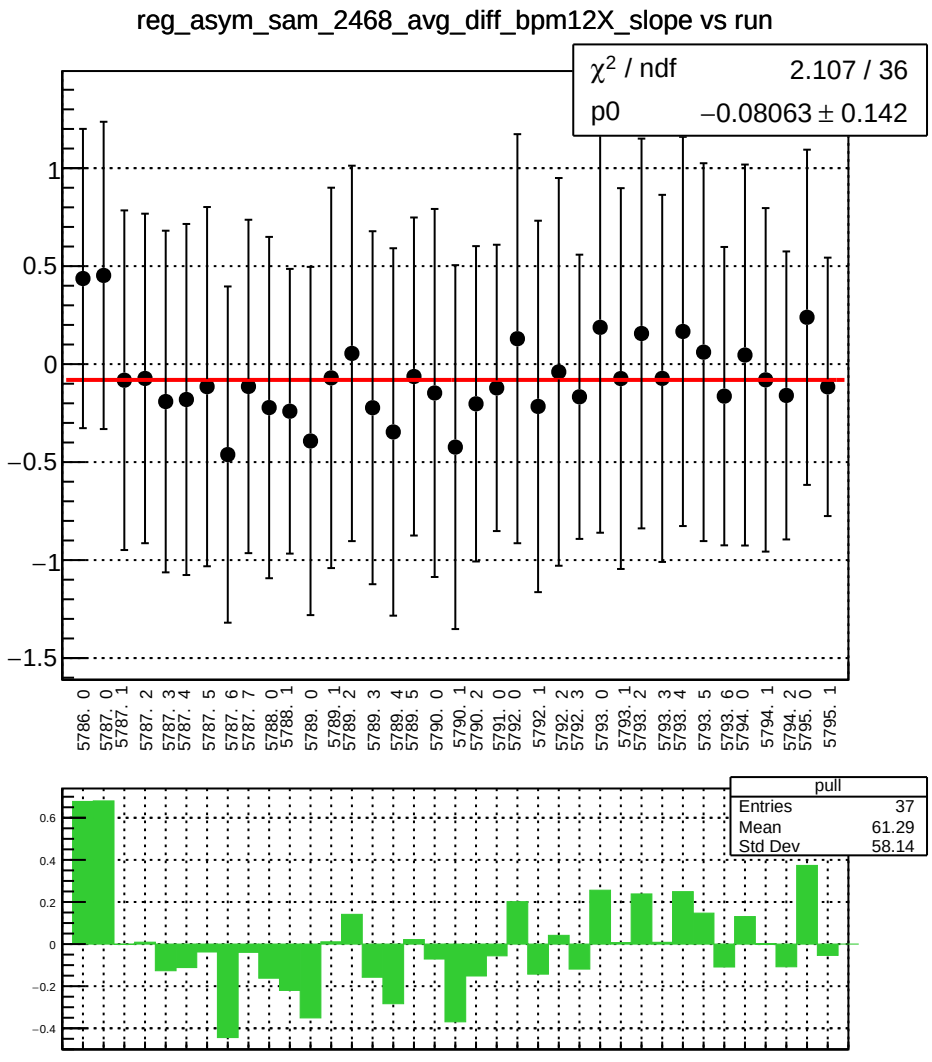

reg_asym_sam_2468_avg_diff_bpm1X_slope vs run
χ² / ndf 4.263 / 36
p0 3.276 ± 1.187
pull
Entries 37
Mean 114.3
Std Dev 0
pull1D
Entries 37
Mean −0.01264
Std Dev 0.3392

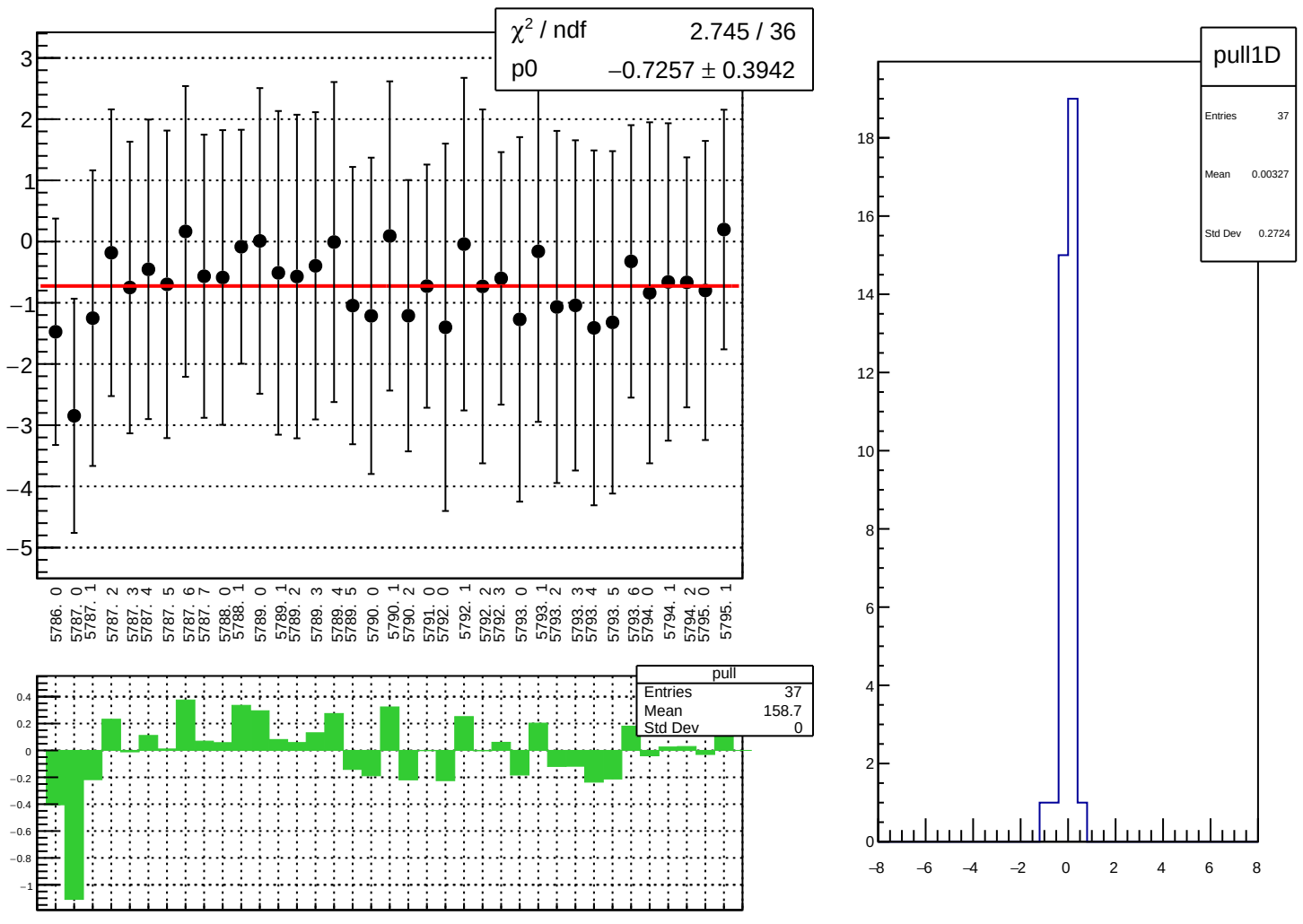

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.12 / 36
p0 −14.53 ± 1.813
pull
Entries 37
Mean 48.69
Std Dev 0
pull1D
Entries 37
Mean −0.07965
Std Dev 0.6952

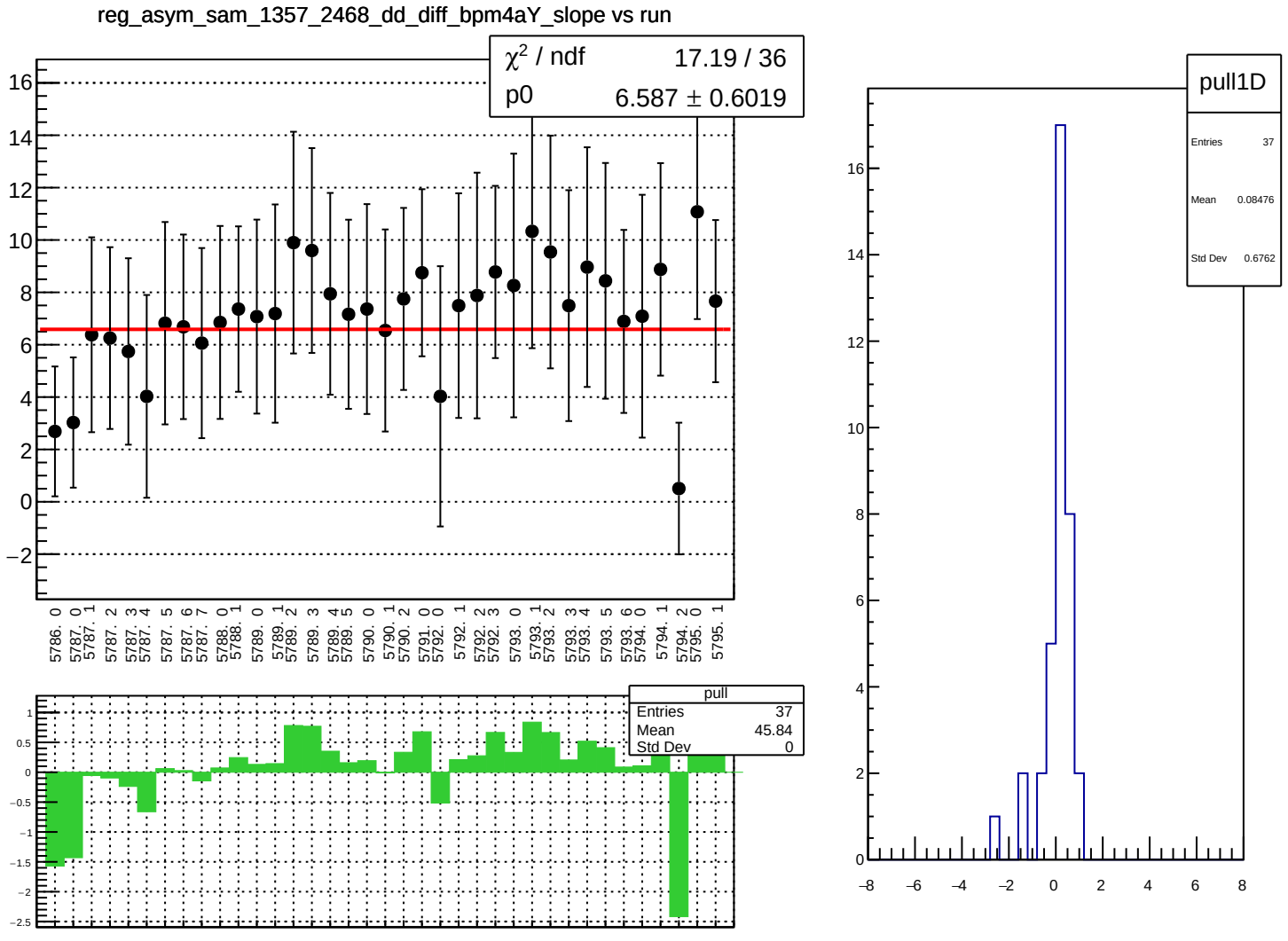

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs run
χ² / ndf 4.296 / 36
p0 −104 ± 1.698
−85
−90
−95
−100
−105
−110
−115
−120
−125
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 141.8
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.01075
Std Dev 0.3406
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

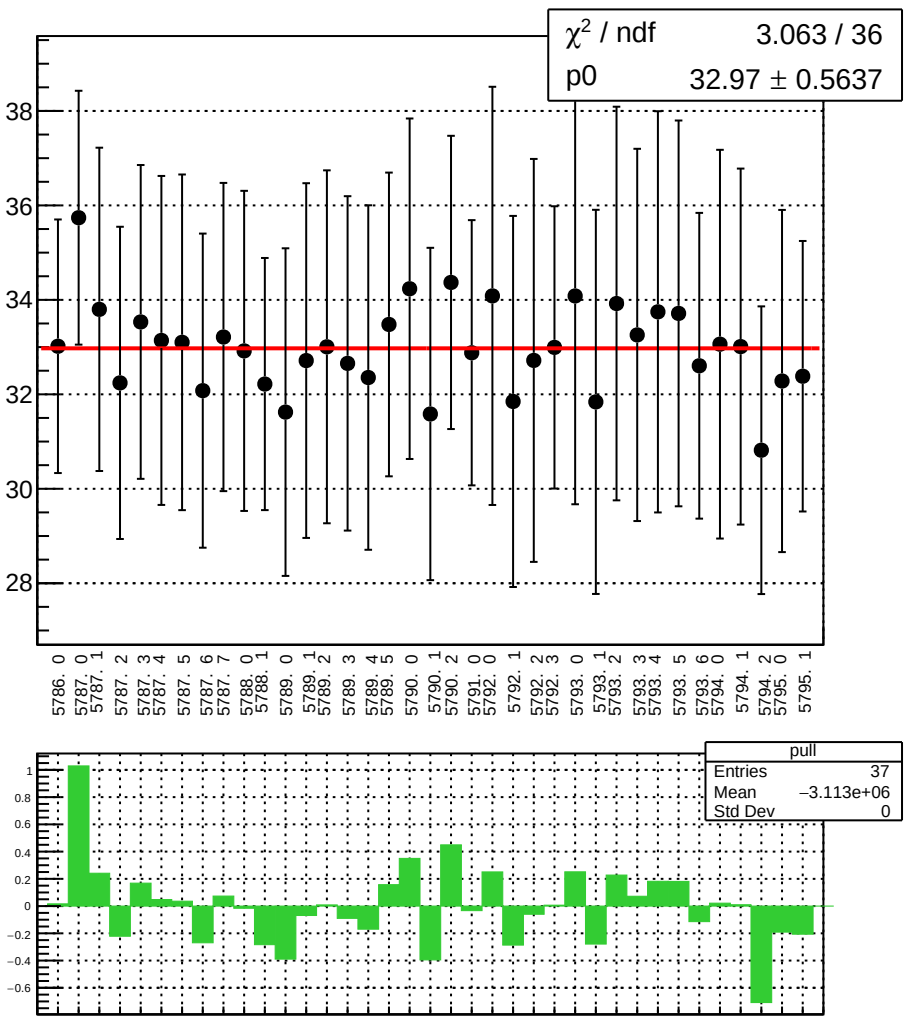

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.36 / 36
p0 −9.845 ± 1.988
pull
Entries 37
Mean 76.66
Std Dev 0

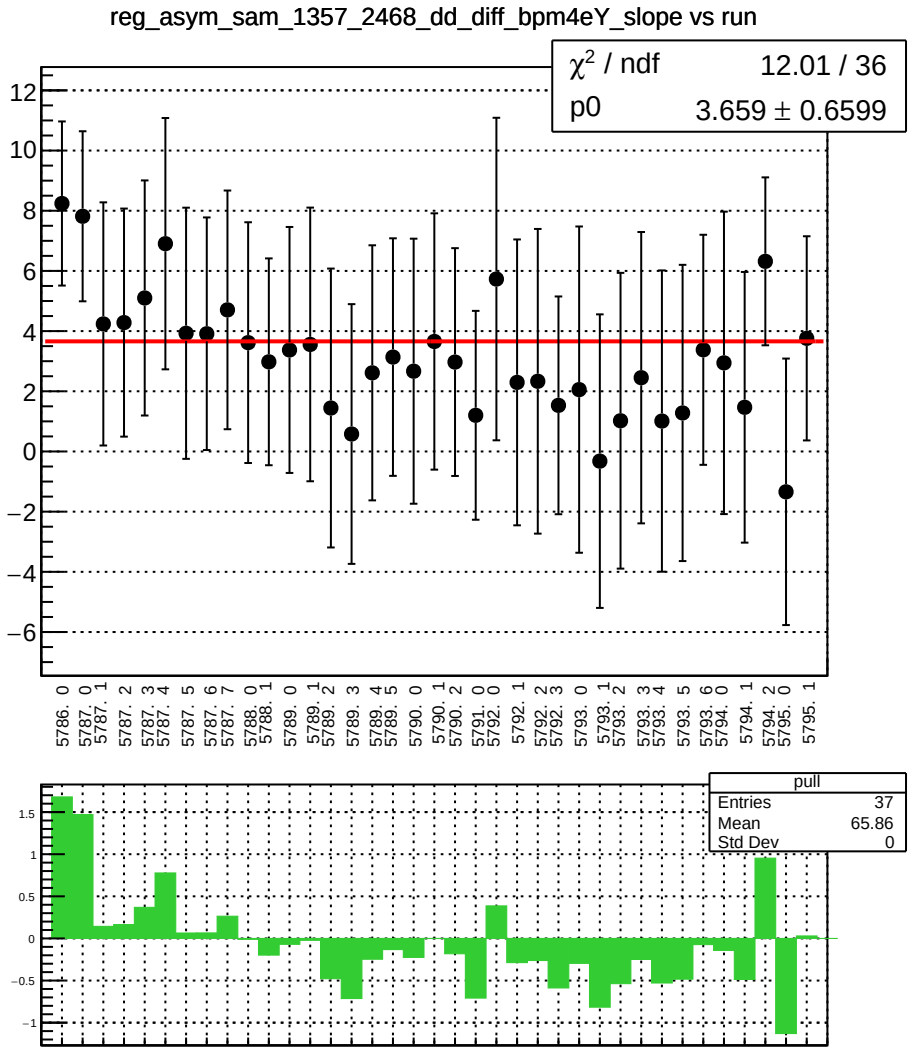

pull1D
Entries 37
Mean 0.05891
Std Dev 0.5749

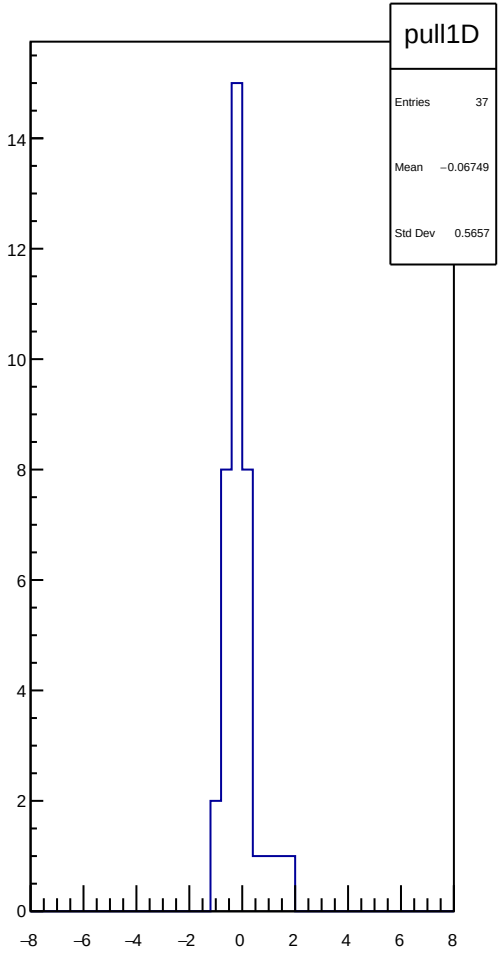

reg_asym_sam_2468_avg_diff_bpm12X_slope vs run
χ² / ndf 2.107 / 36
p0 −0.08063 ± 0.142
pull
Entries 37
Mean 61.29
Std Dev 58.14
pull1D
Entries 37
Mean 0.002158
Std Dev 0.2386

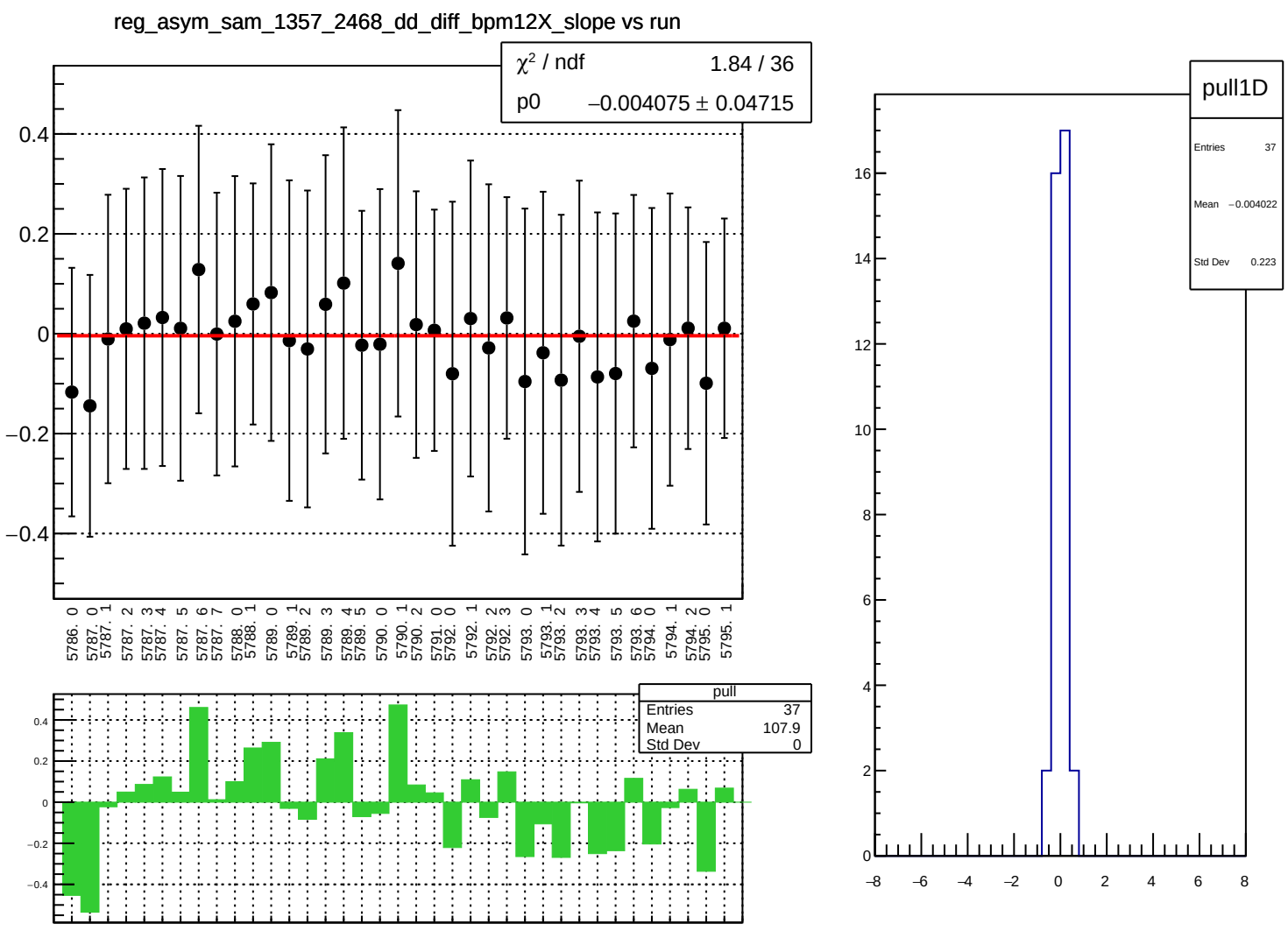

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs run
χ² / ndf 2.745 / 36
p0 −0.7257 ± 0.3942
pull
Entries 37
Mean 158.7
Std Dev 0
pull1D
Entries 37
Mean 0.00327
Std Dev 0.2724

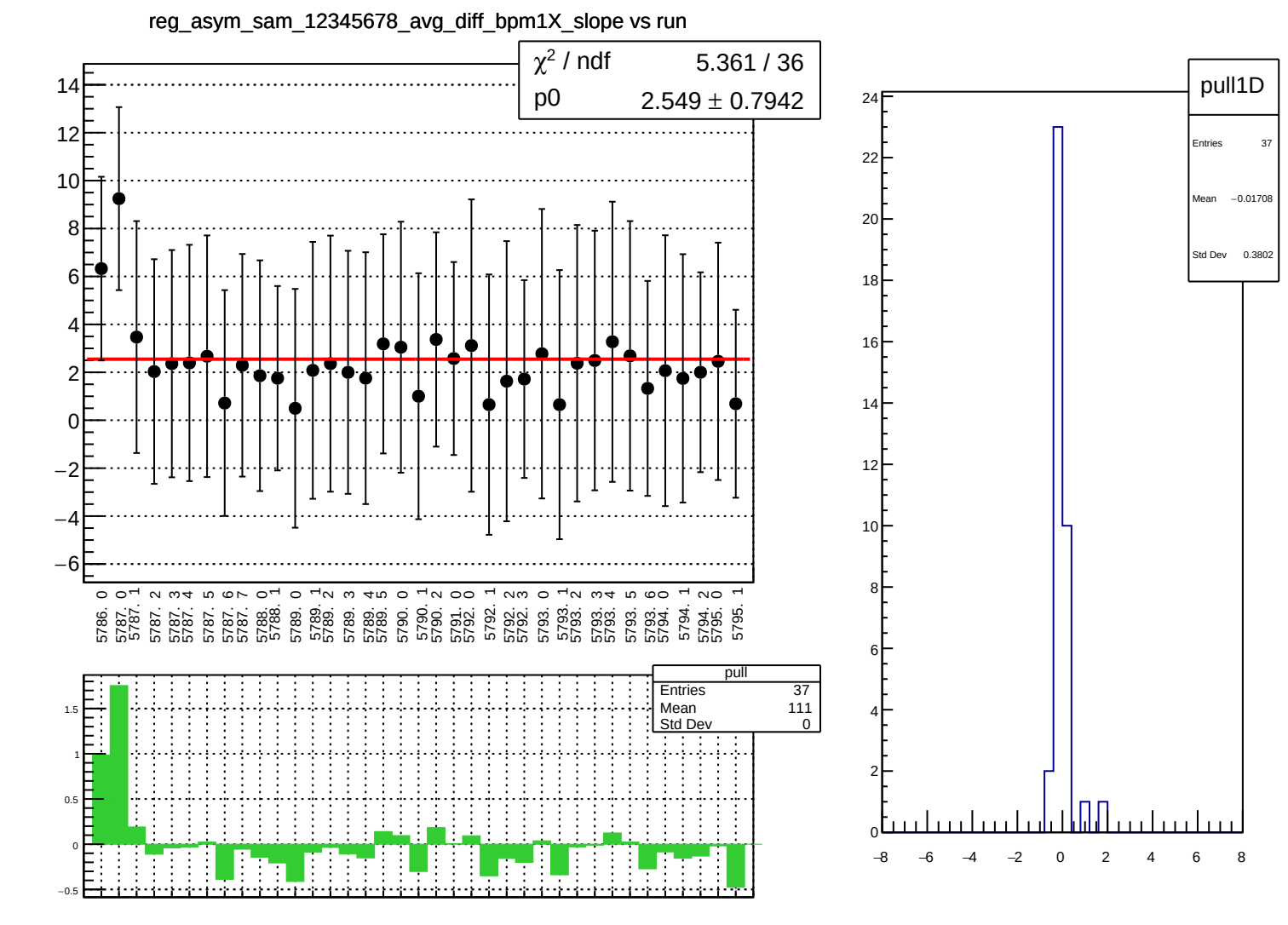

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.19 / 36
p0 6.587 ± 0.6019
pull
Entries 37
Mean 45.84
Std Dev 0
pull1D
Entries 37
Mean 0.08476
Std Dev 0.6762

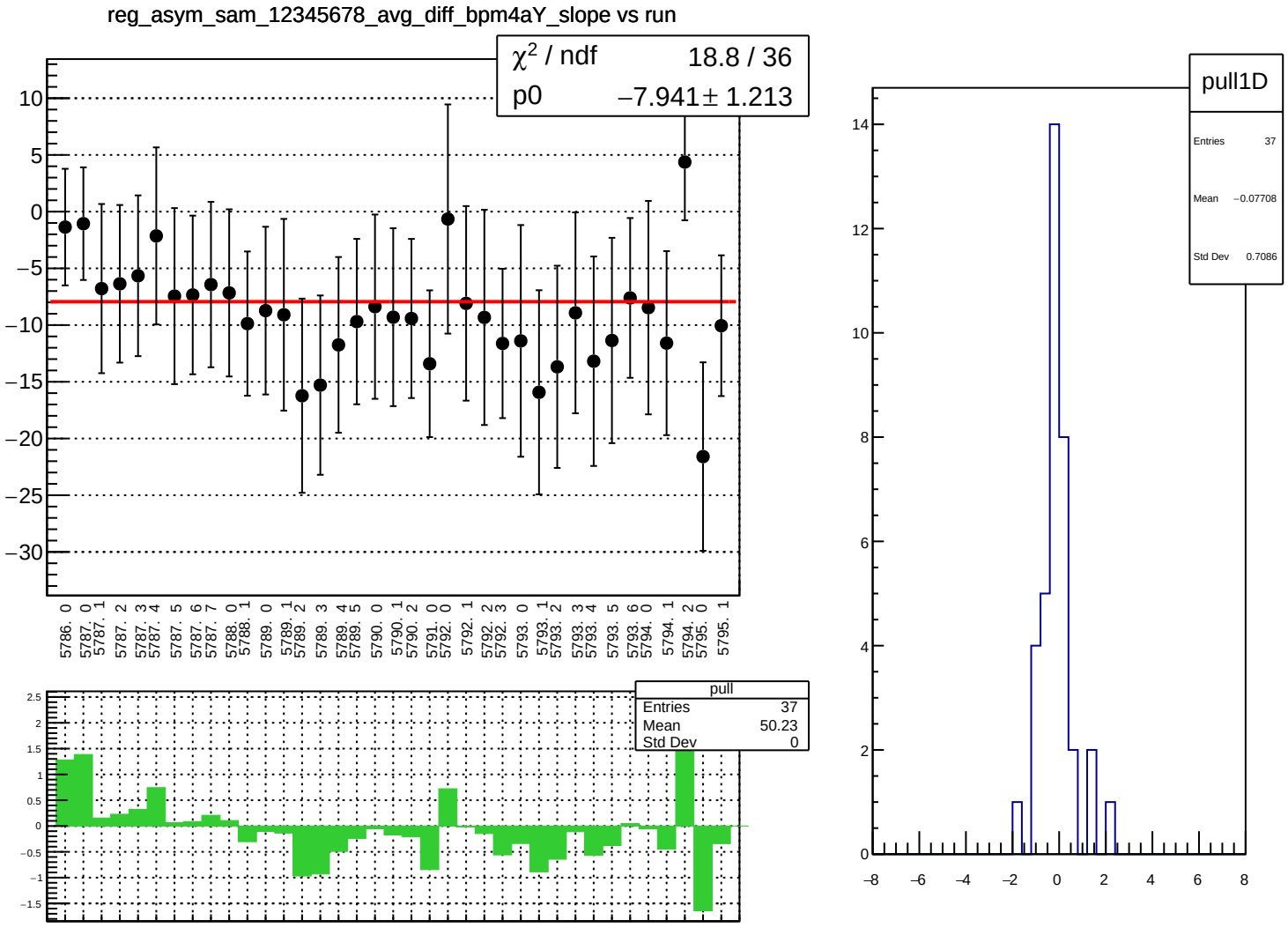

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs run
χ² / ndf 3.063 / 36
p0 32.97 ± 0.5637
38
36
34
32
30
28
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −3.113e+06
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean 2.336e−07
Std Dev 0.2877
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

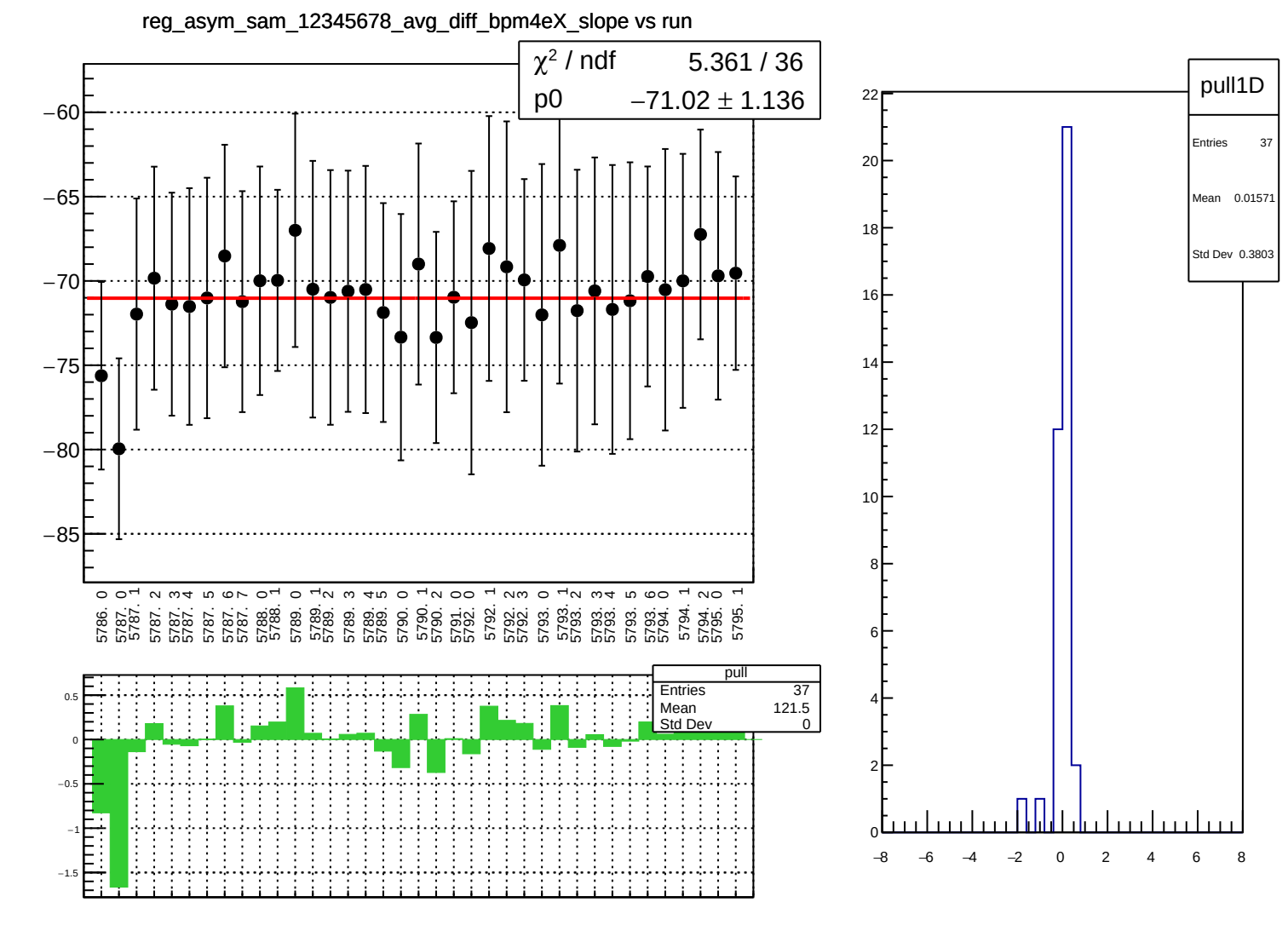

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs run
χ² / ndf 12.01 / 36
p0 3.659 ± 0.6599
pull
Entries 37
Mean 65.86
Std Dev 0

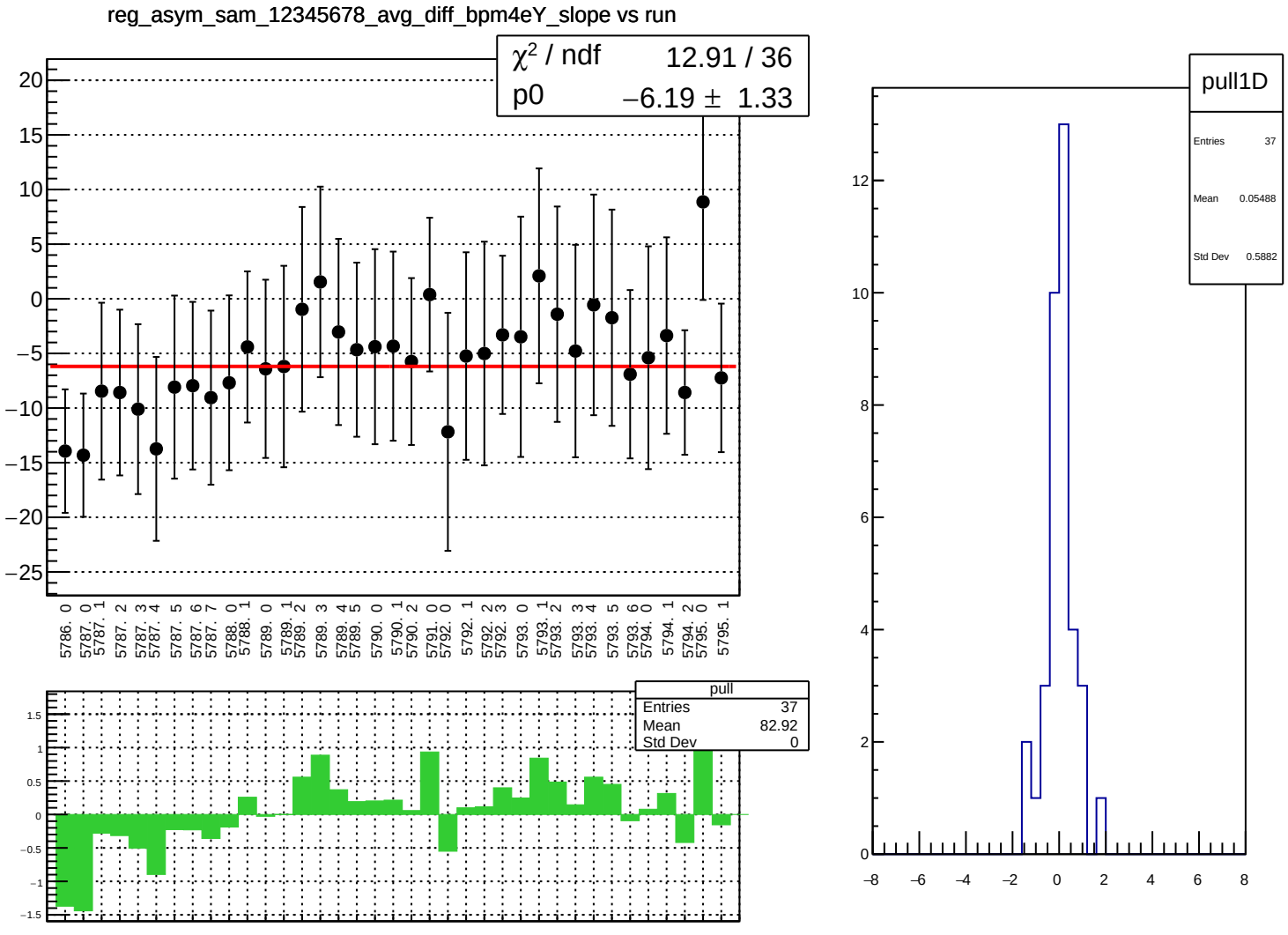

pull1D
Entries 37
Mean −0.06749
Std Dev 0.5657

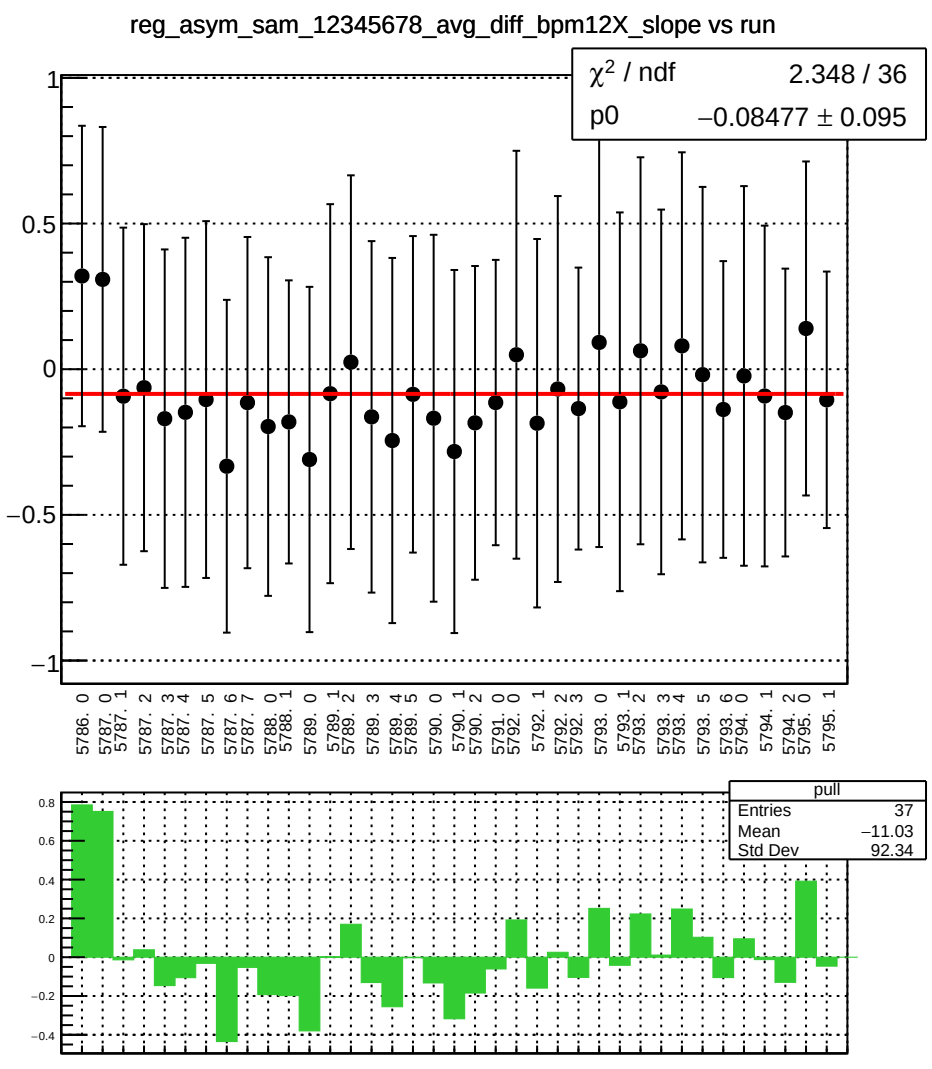

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs run
χ² / ndf 1.84 / 36
p0 −0.004075 ± 0.04715
0.4
0.2
0
−0.2
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 107.9
Std Dev 0
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.004022
Std Dev 0.223
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

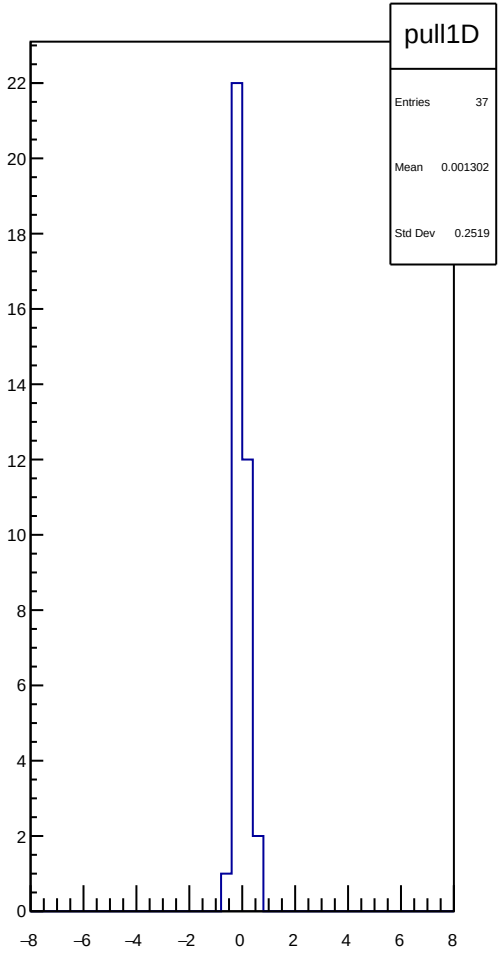

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs run
χ² / ndf 5.361 / 36
p0 2.549 ± 0.7942
pull
Entries 37
Mean 111
Std Dev 0
pull1D
Entries 37
Mean −0.01708
Std Dev 0.3802

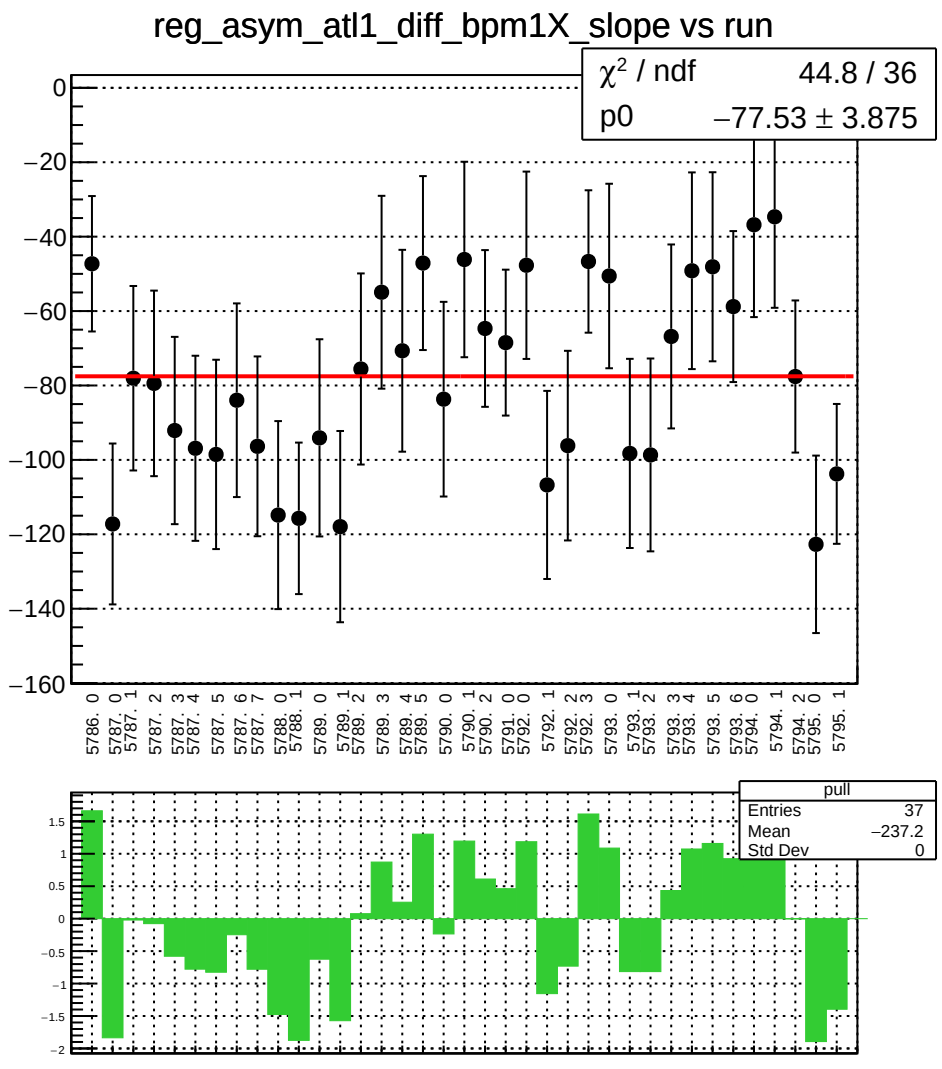

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs run
χ² / ndf 18.8 / 36
p0 −7.941± 1.213
pull
Entries 37
Mean 50.23
Std Dev 0
pull1D
Entries 37
Mean −0.07708
Std Dev 0.7086

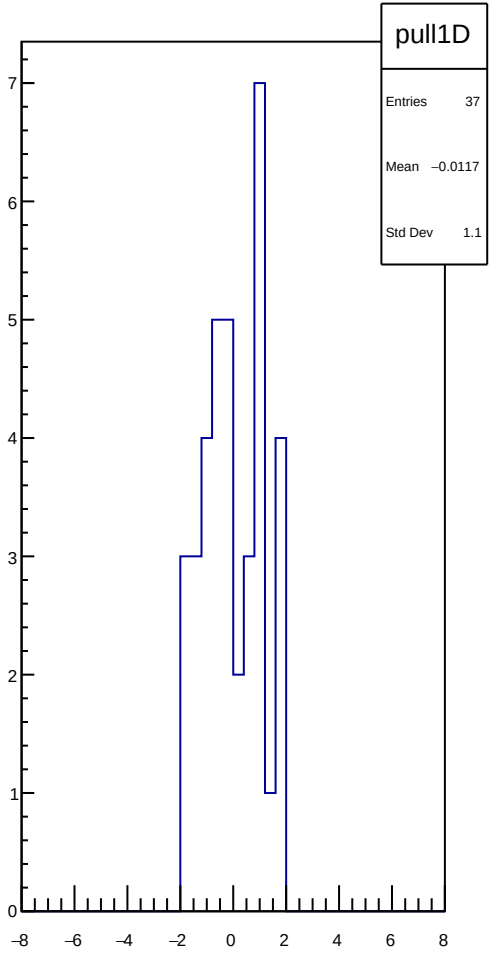

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs run
χ² / ndf 5.361 / 36
p0 −71.02 ± 1.136
−60
−65
−70
−75
−80
−85
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 121.5
Std Dev 0
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.01571
Std Dev 0.3803
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

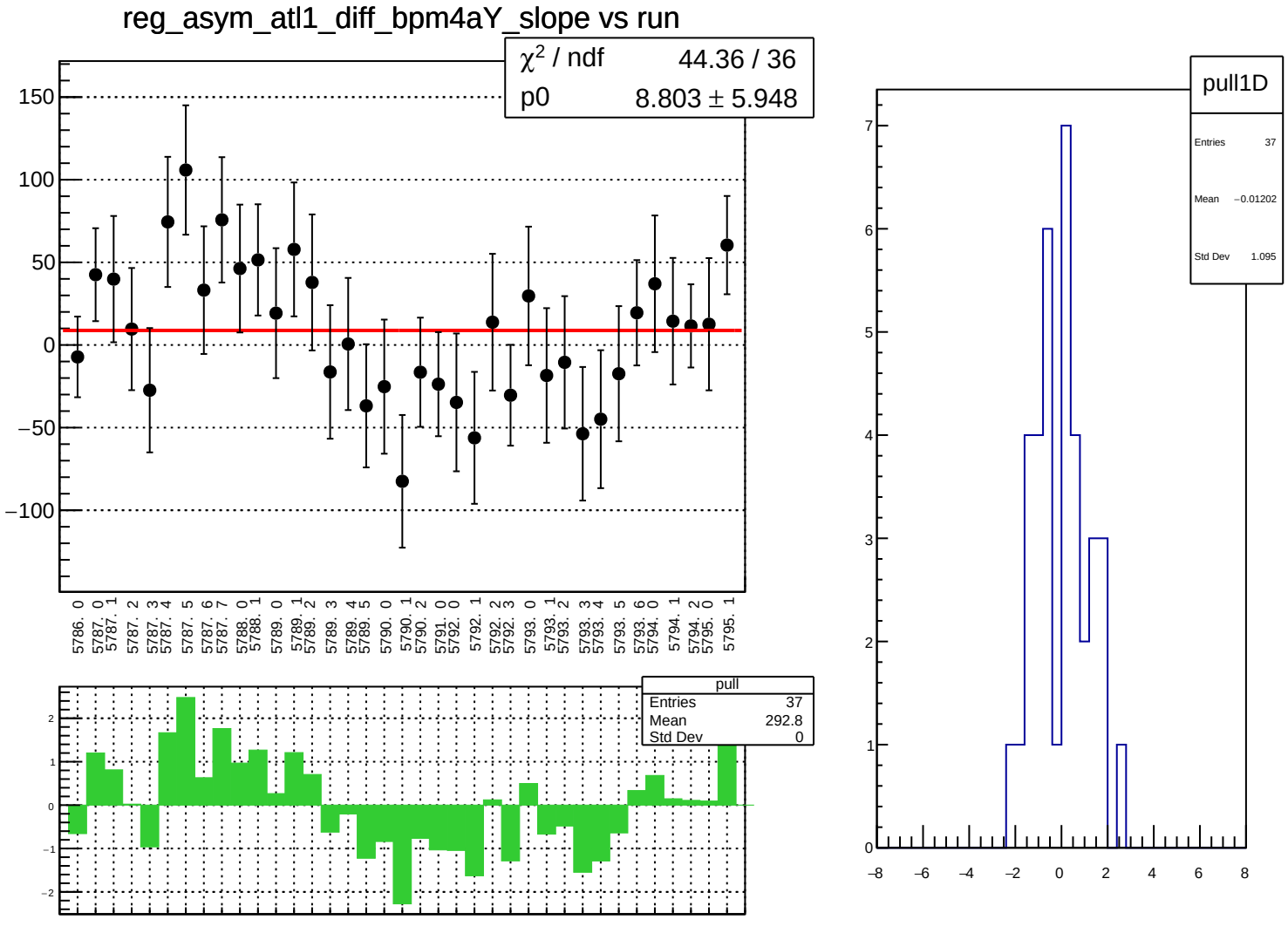

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs run
χ² / ndf 12.91 / 36
p0 −6.19 ± 1.33
pull
Entries 37
Mean 82.92
Std Dev 0
pull1D
Entries 37
Mean 0.05488
Std Dev 0.5882

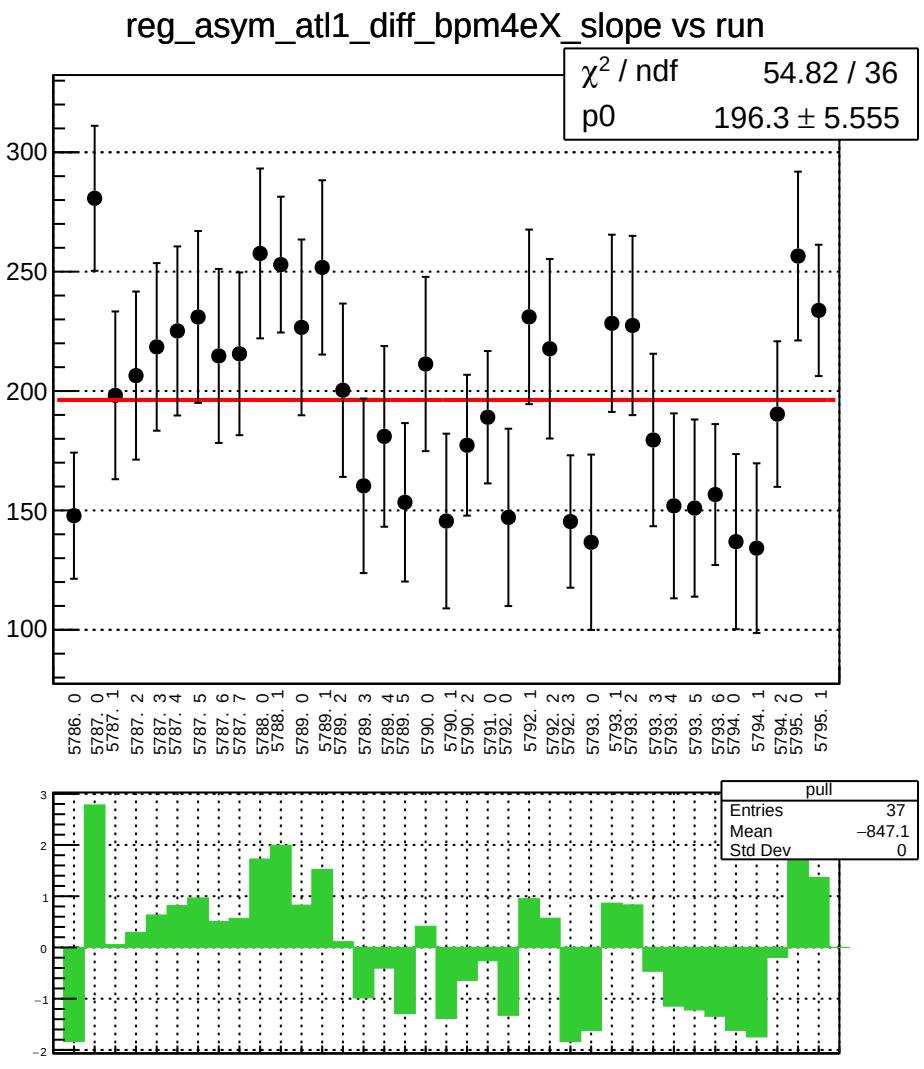

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs run
χ² / ndf 2.348 / 36
p0 −0.08477 ± 0.095
pull
Entries 37
Mean −11.03
Std Dev 92.34

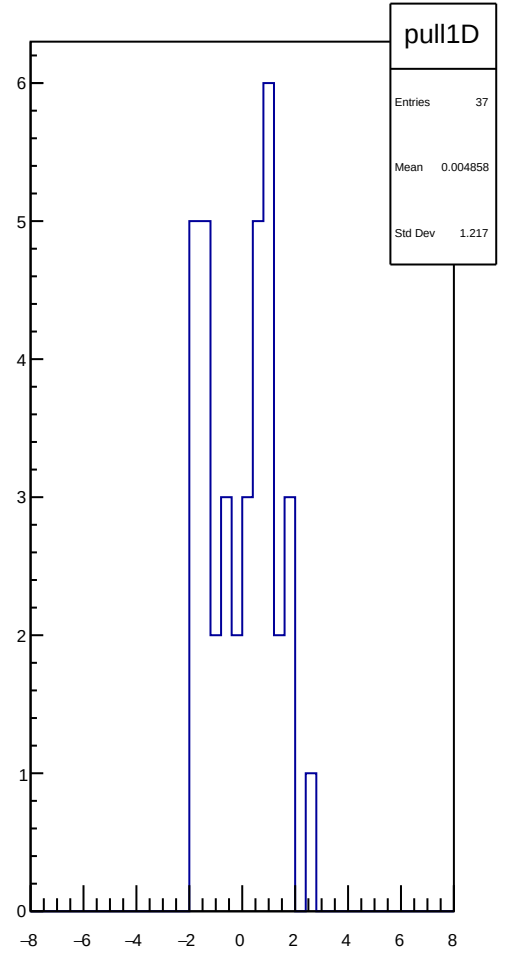

pull1D
Entries 37
Mean 0.001302
Std Dev 0.2519

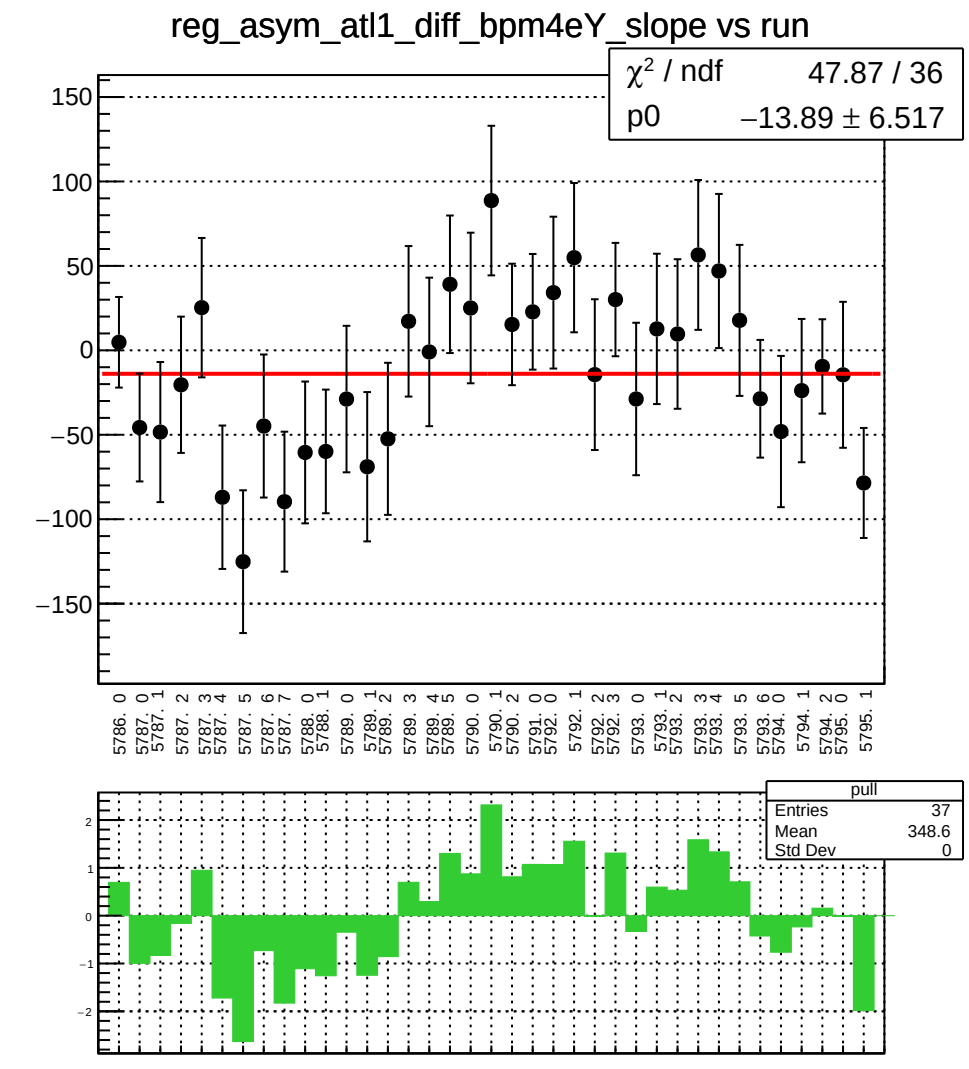

reg_asym_atl1_diff_bpm1X_slope vs run
χ² / ndf 44.8 / 36
p0 −77.53 ± 3.875
pull
Entries 37
Mean −237.2
Std Dev 0

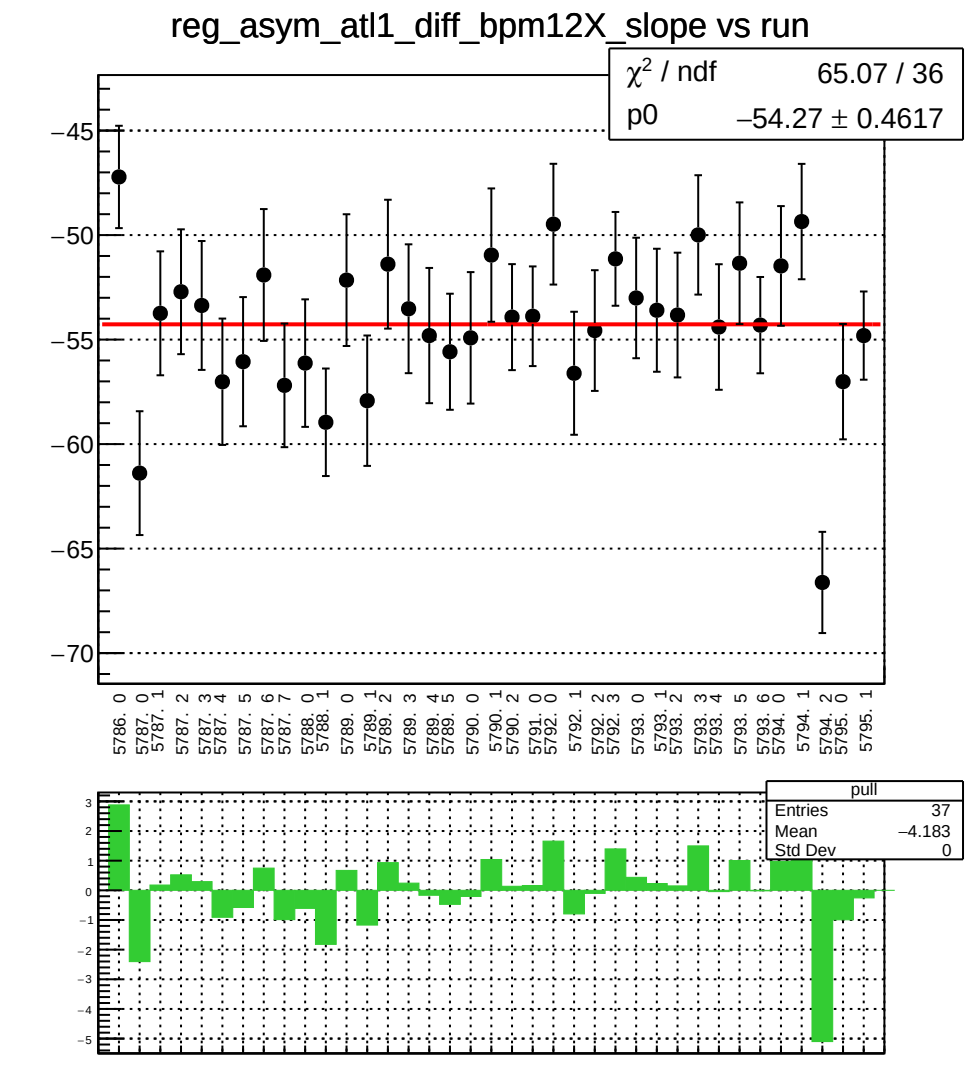

pull1D
Entries 37
Mean −0.0117
Std Dev 1.1

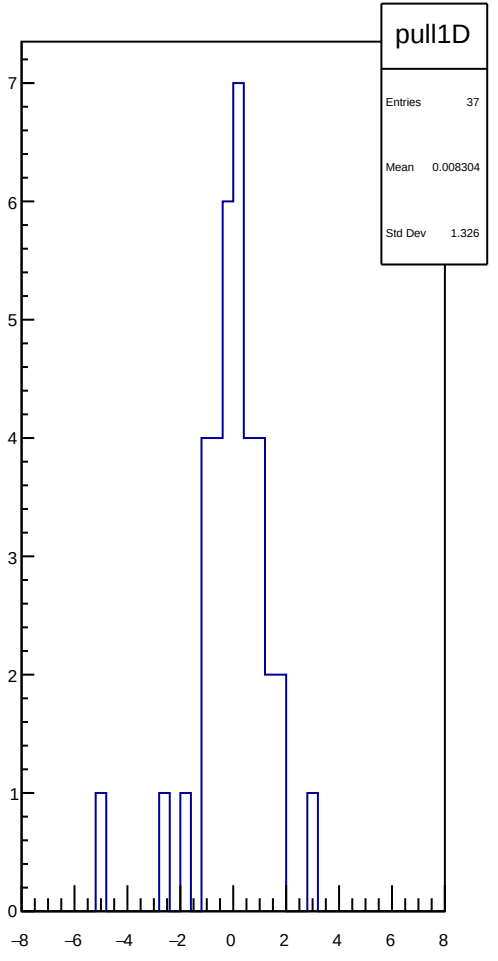

reg_asym_atl1_diff_bpm4aY_slope vs run
χ² / ndf 44.36 / 36
p0 8.803 ± 5.948
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 292.8
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01202
Std Dev 1.095
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

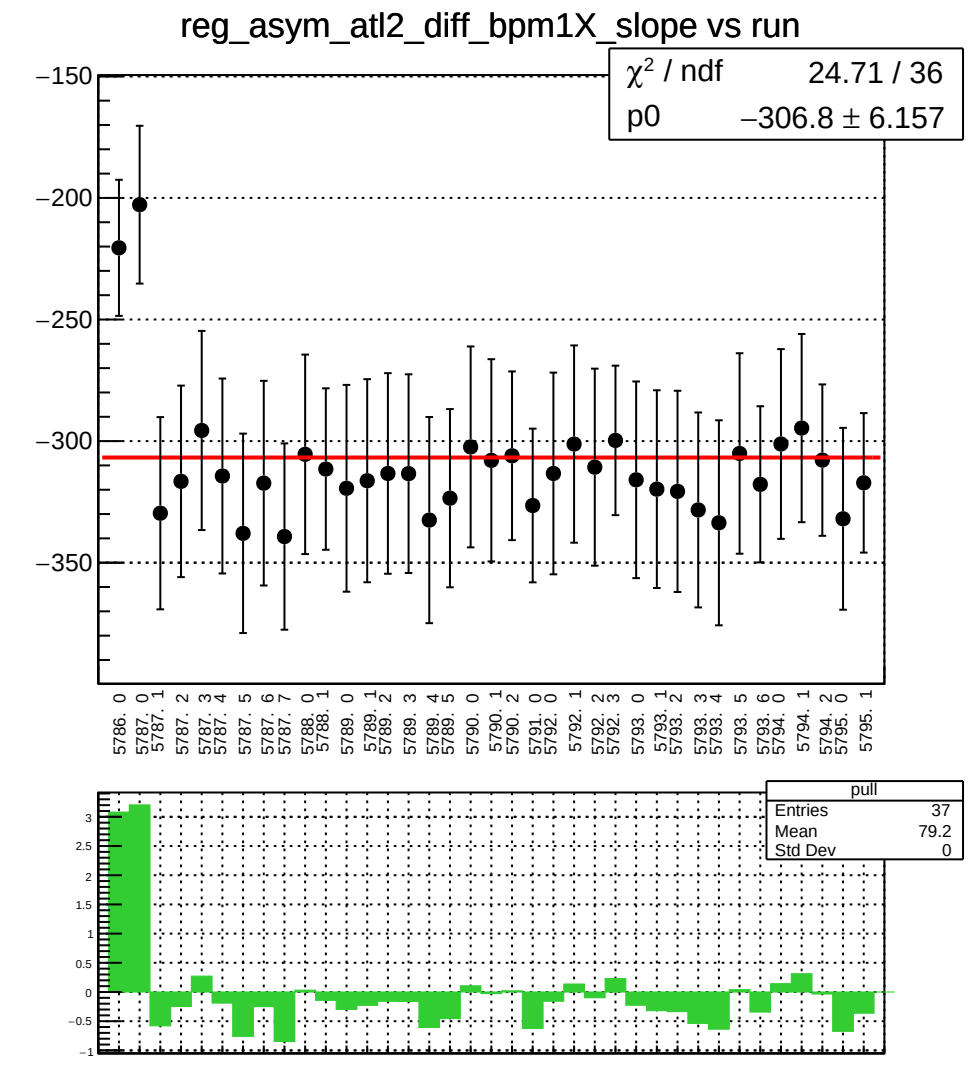

reg_asym_atl1_diff_bpm4eX_slope vs run
χ² / ndf 54.82 / 36
p0 196.3 ± 5.555
300
250
200
150
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −847.1
Std Dev 0
3
2
1
0
−1
−2

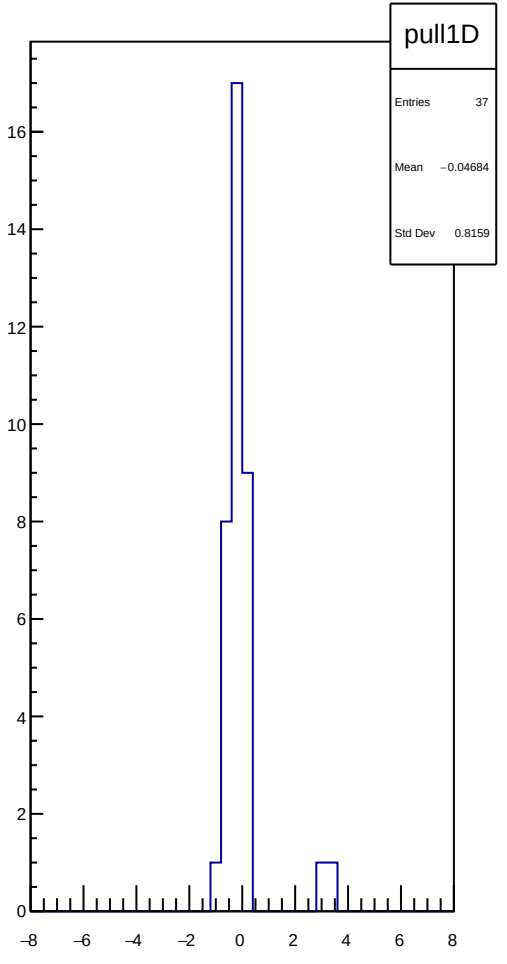

pull1D
Entries 37
Mean 0.004858
Std Dev 1.217
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

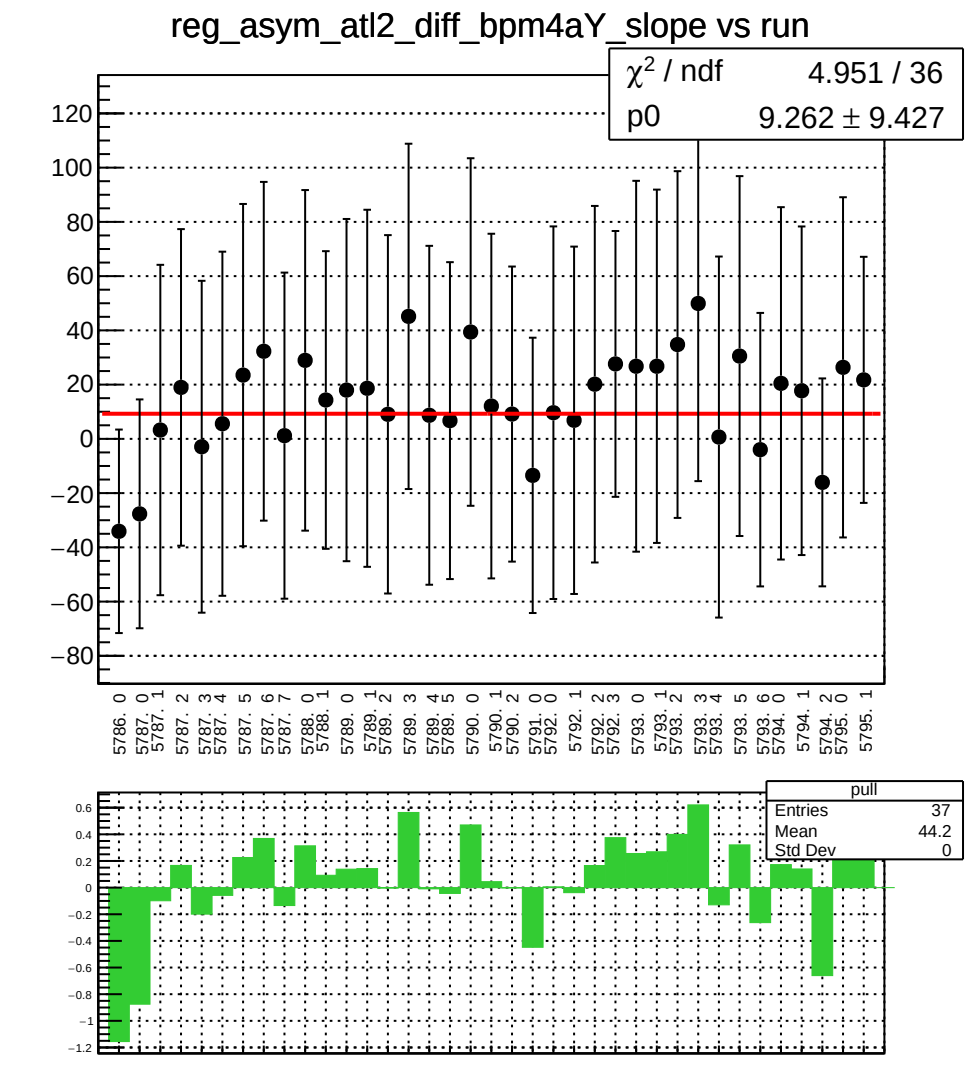

reg_asym_atl1_diff_bpm4eY_slope vs run
χ² / ndf 47.87 / 36
p0 −13.89 ± 6.517
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 348.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01044
Std Dev 1.137
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

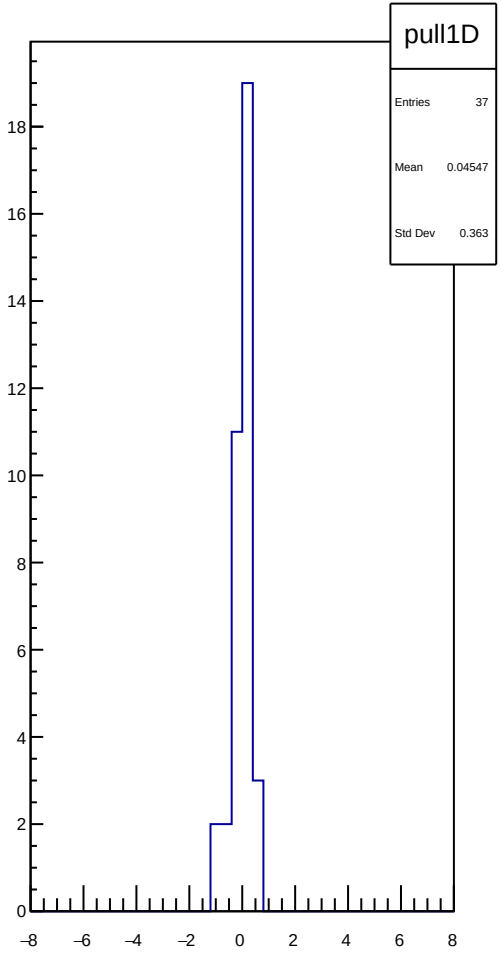

reg_asym_atl1_diff_bpm12X_slope vs run
χ² / ndf 65.07 / 36
p0 −54.27 ± 0.4617
−45
−50
−55
−60
−65
−70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −4.183
Std Dev 0
3
2
1
0
−1
−2
−3
−4
−5

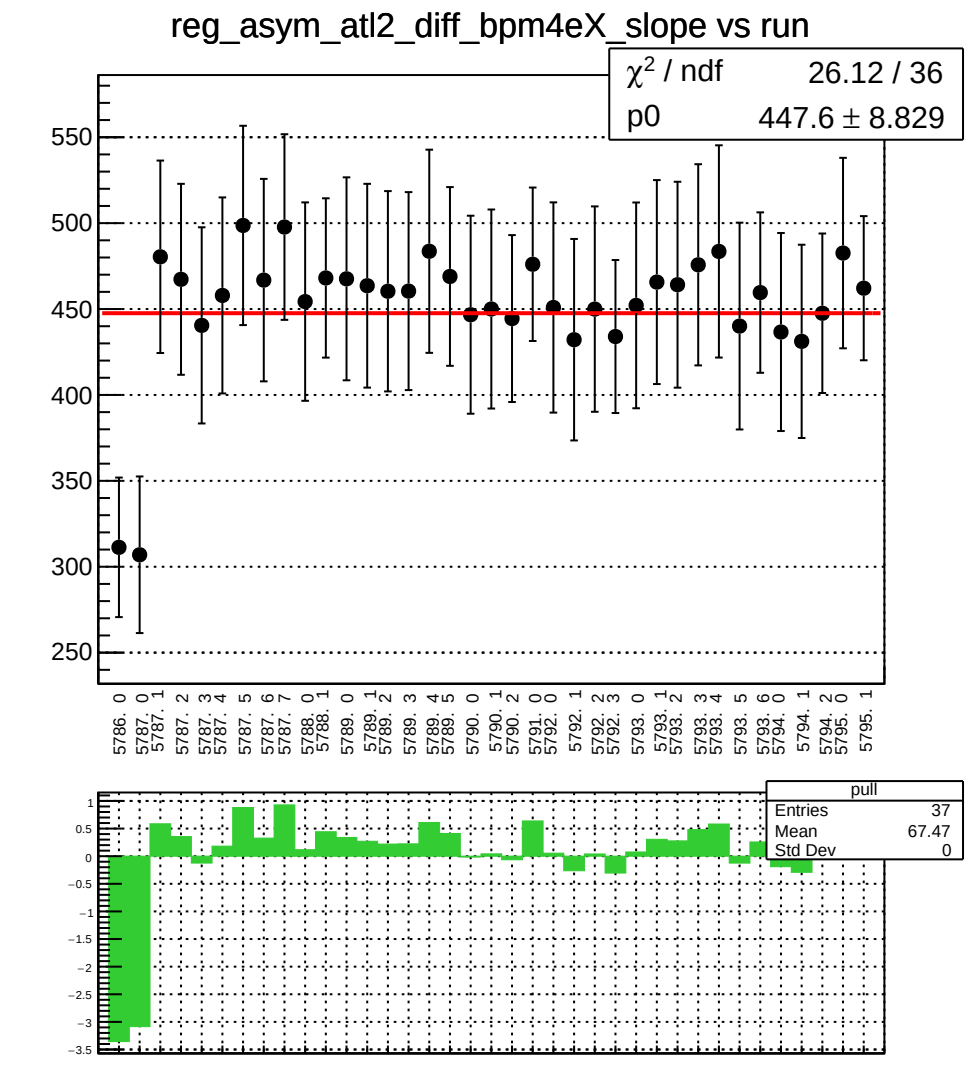

pull1D
Entries 37
Mean 0.008304
Std Dev 1.326
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

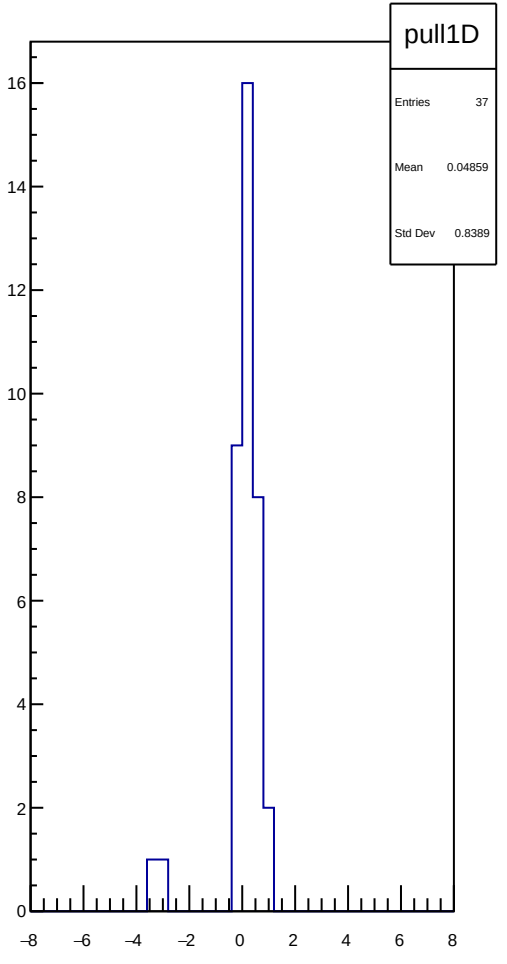

reg_asym_atl2_diff_bpm1X_slope vs run
χ² / ndf 24.71 / 36
p0 −306.8 ± 6.157
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 79.2
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1

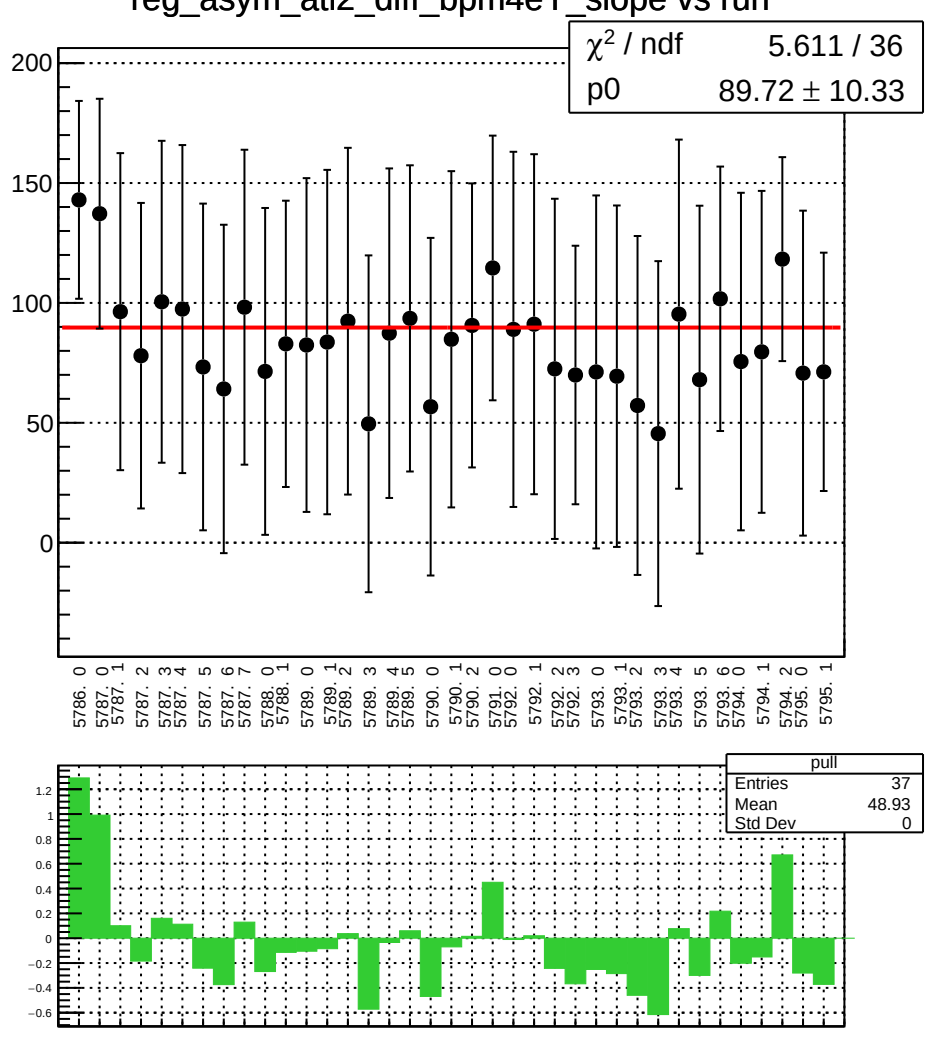

pull1D
Entries 37
Mean −0.04684
Std Dev 0.8159
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

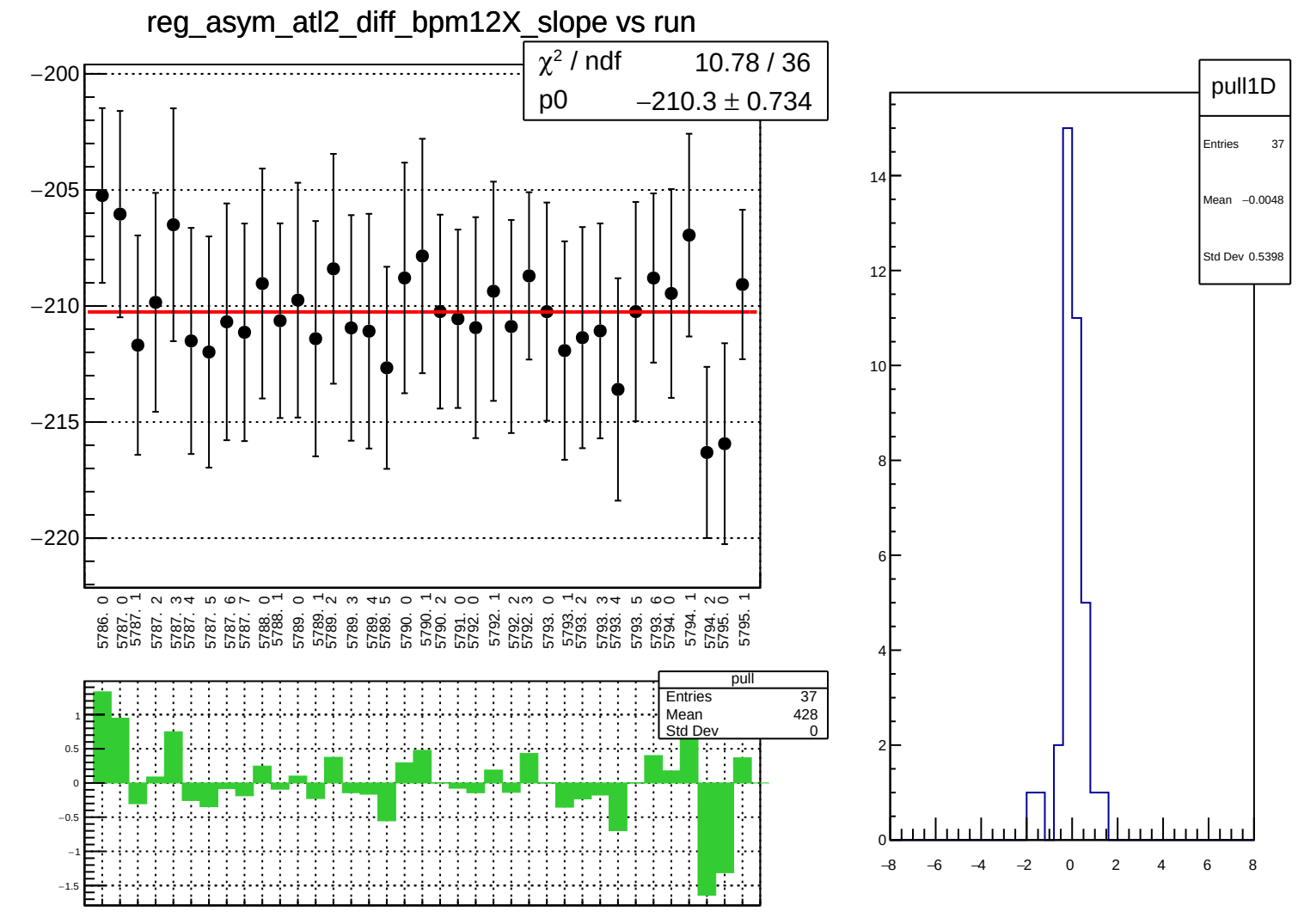

reg_asym_atl2_diff_bpm4aY_slope vs run
χ² / ndf 4.951 / 36
p0 9.262 ± 9.427
pull
Entries 37
Mean 44.2
Std Dev 0

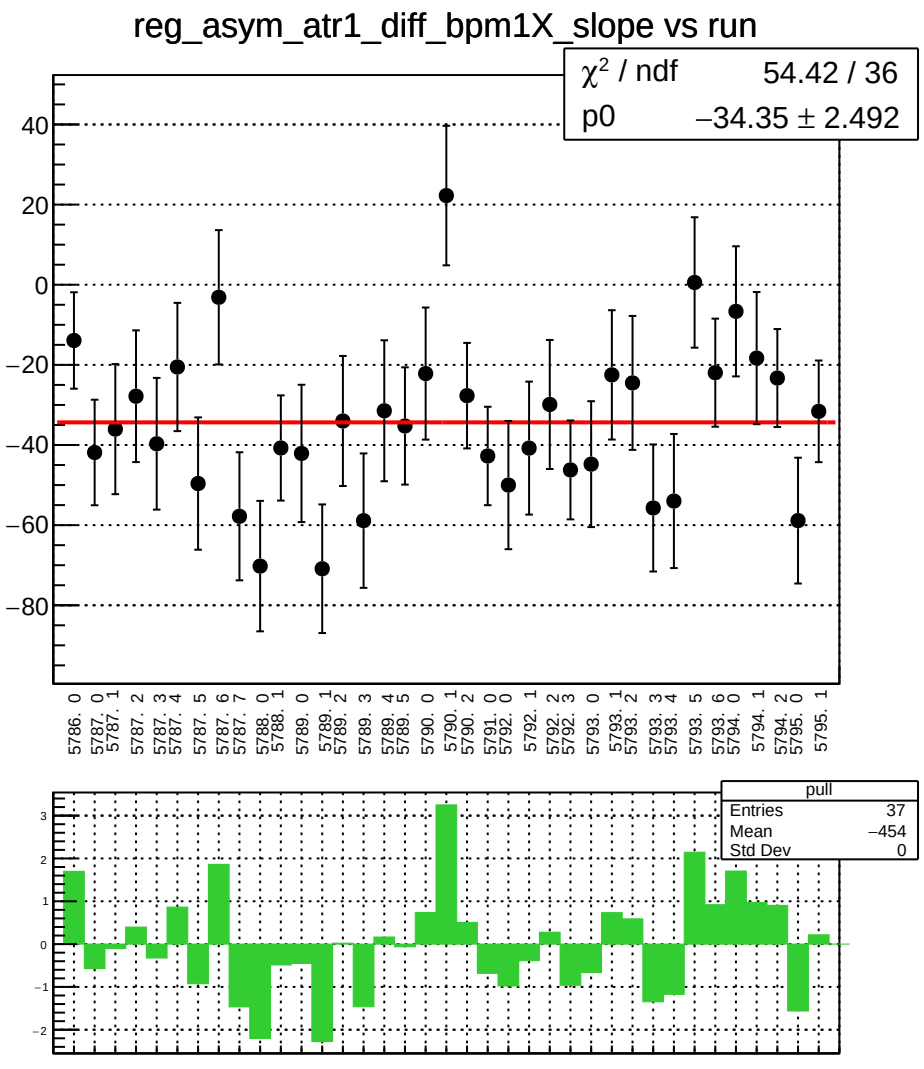

pull1D
Entries 37
Mean 0.04547
Std Dev 0.363

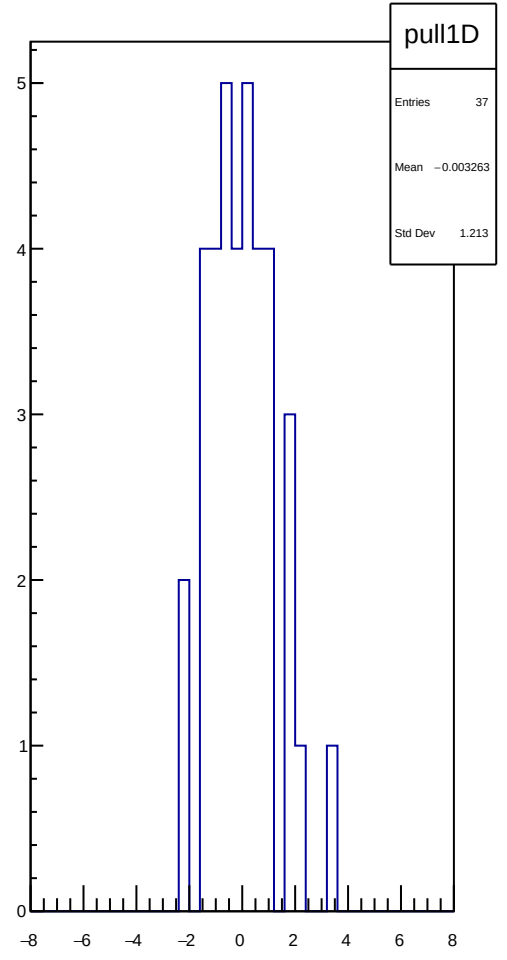

reg_asym_atl2_diff_bpm4eX_slope vs run
χ² / ndf 26.12 / 36
p0 447.6 ± 8.829
550
500
450
400
350
300
250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.47
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
−3.5

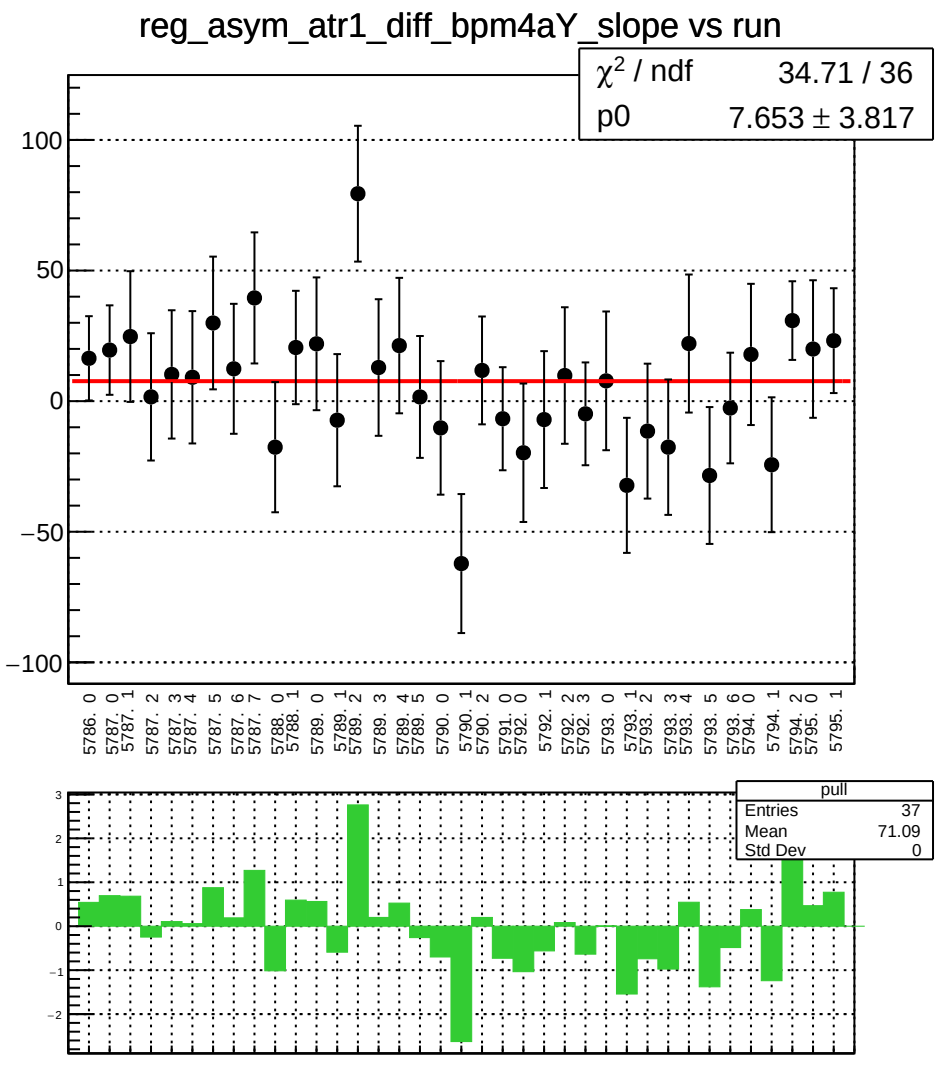

pull1D
Entries 37
Mean 0.04859
Std Dev 0.8389
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

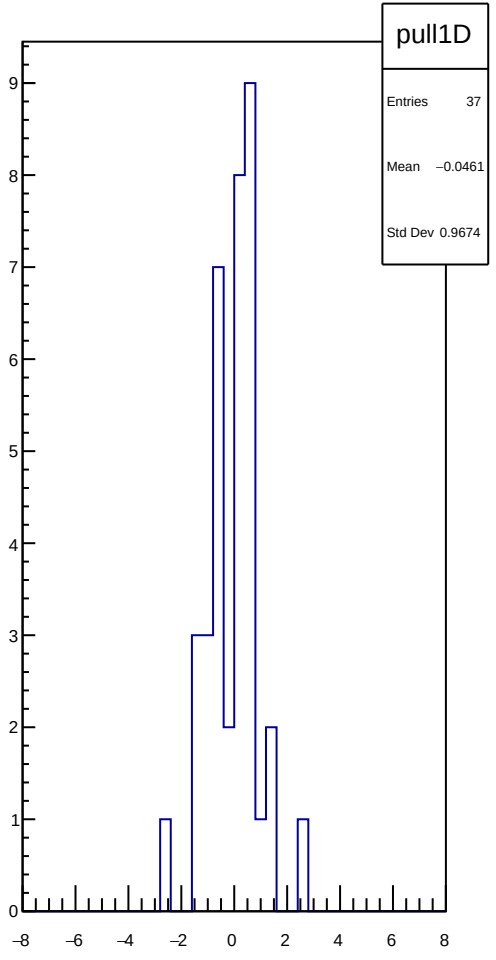

reg_asym_atl2_diff_bpm4eY_slope vs run
χ² / ndf 5.611 / 36
p0 89.72 ± 10.33
200
150
100
50
0
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.93
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.04646
Std Dev 0.3866
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

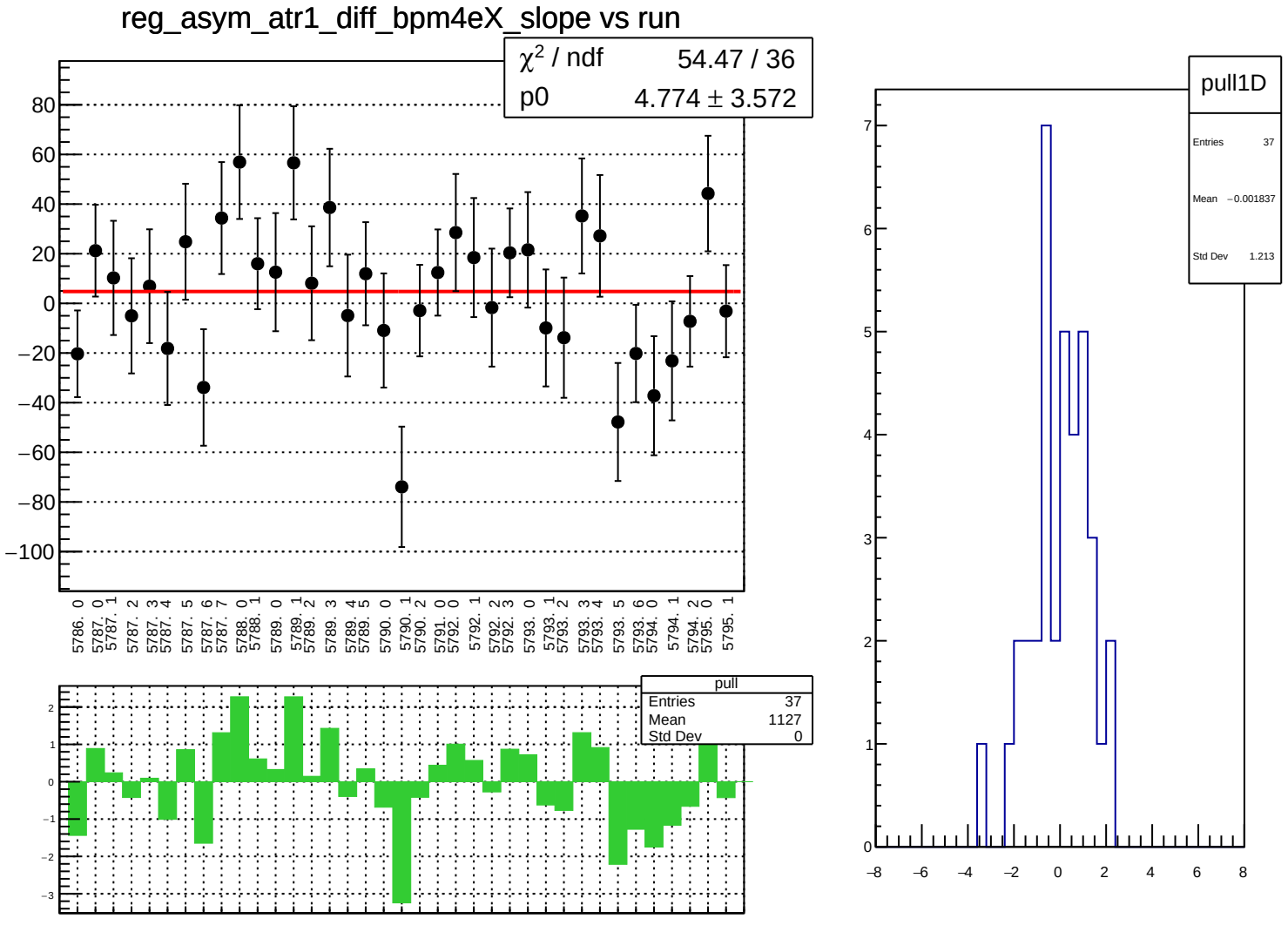

reg_asym_atl2_diff_bpm12X_slope vs run
χ² / ndf 10.78 / 36
p0 −210.3 ± 0.734
−200
−205
−210
−215
−220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 428
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.0048
Std Dev 0.5398
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

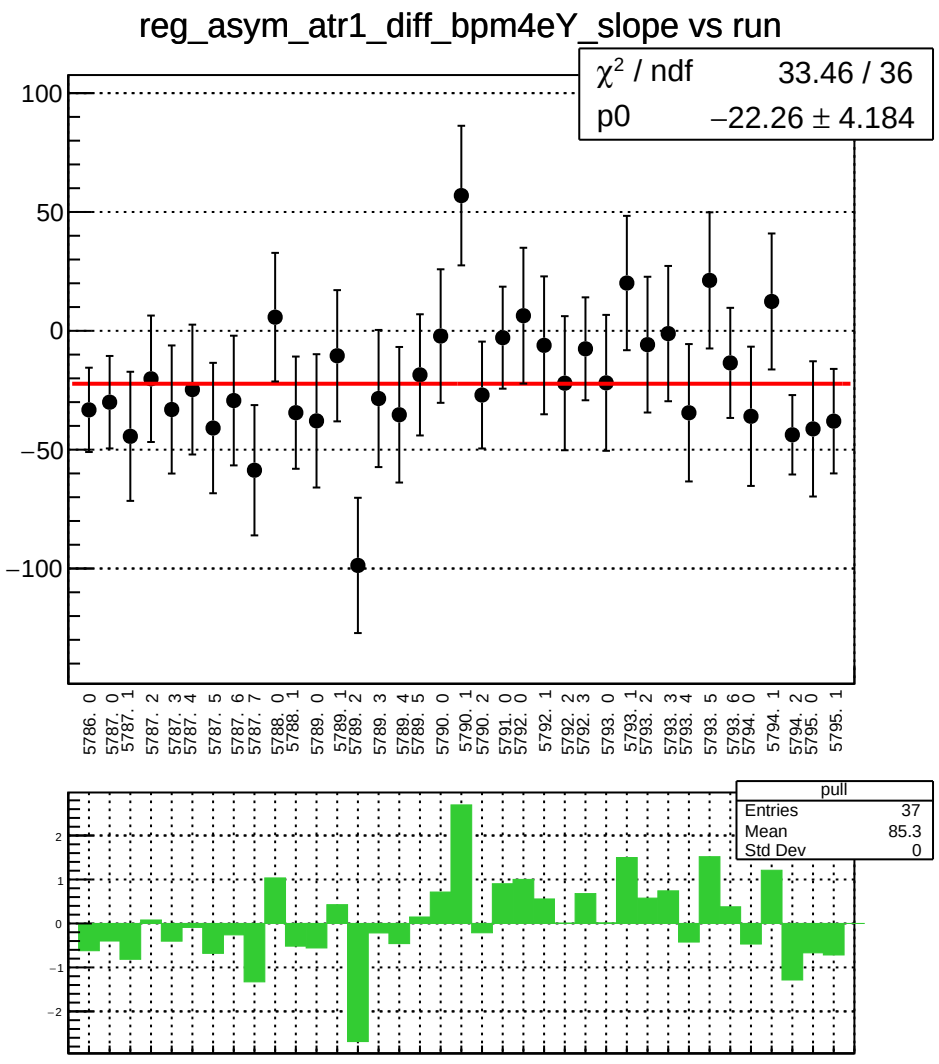

reg_asym_atr1_diff_bpm1X_slope vs run
χ² / ndf 54.42 / 36
p0 −34.35 ± 2.492
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −454
Std Dev 0
3
2
1
0
−1
−2

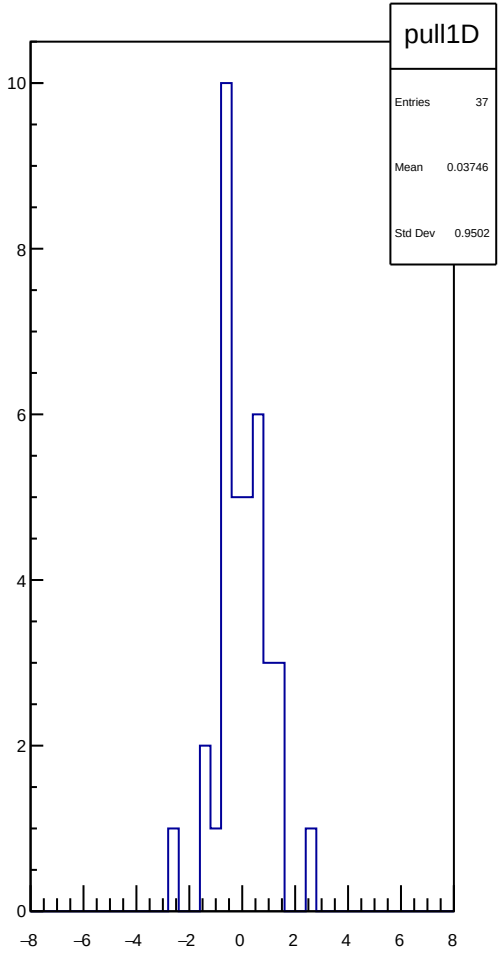

pull1D
Entries 37
Mean −0.003263
Std Dev 1.213
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

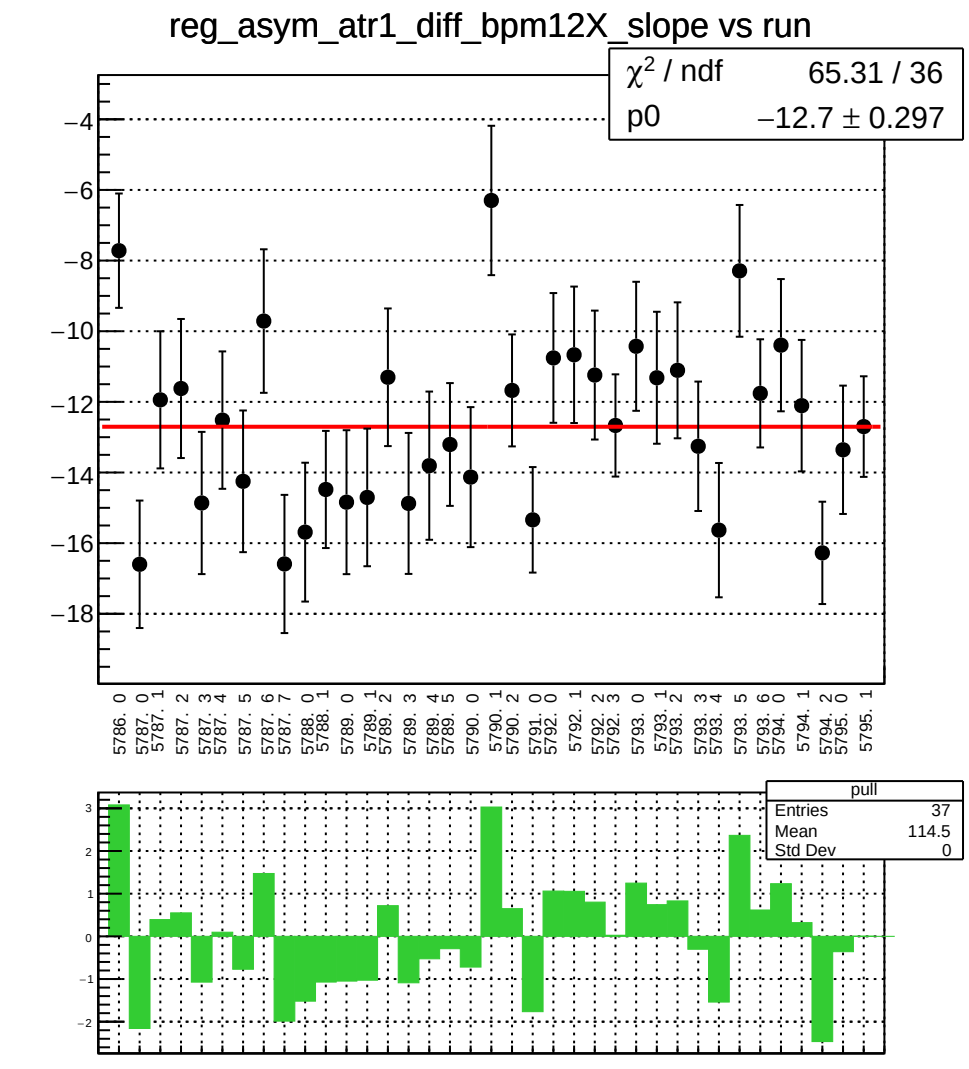

reg_asym_atr1_diff_bpm4aY_slope vs run
χ² / ndf 34.71 / 36
p0 7.653 ± 3.817
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.09
Std Dev 0
3
2
1
0
−1
−2

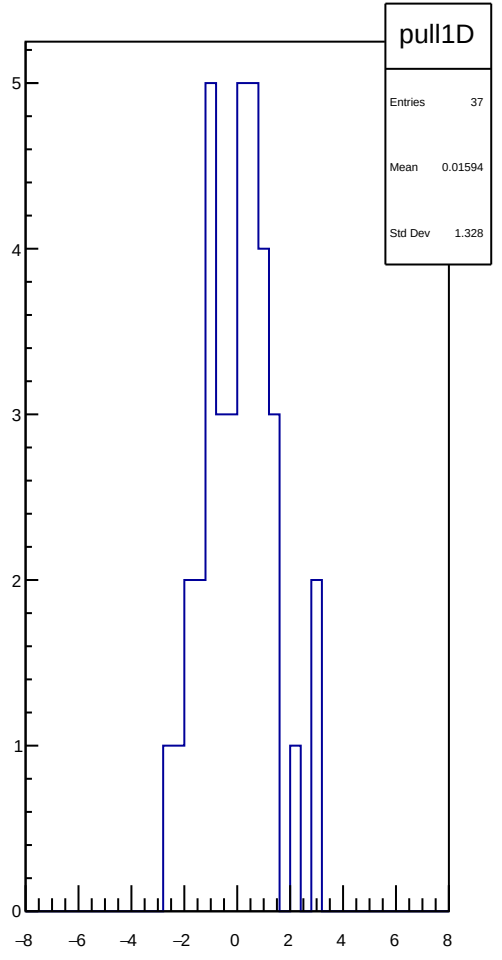

pull1D
Entries 37
Mean −0.0461
Std Dev 0.9674
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

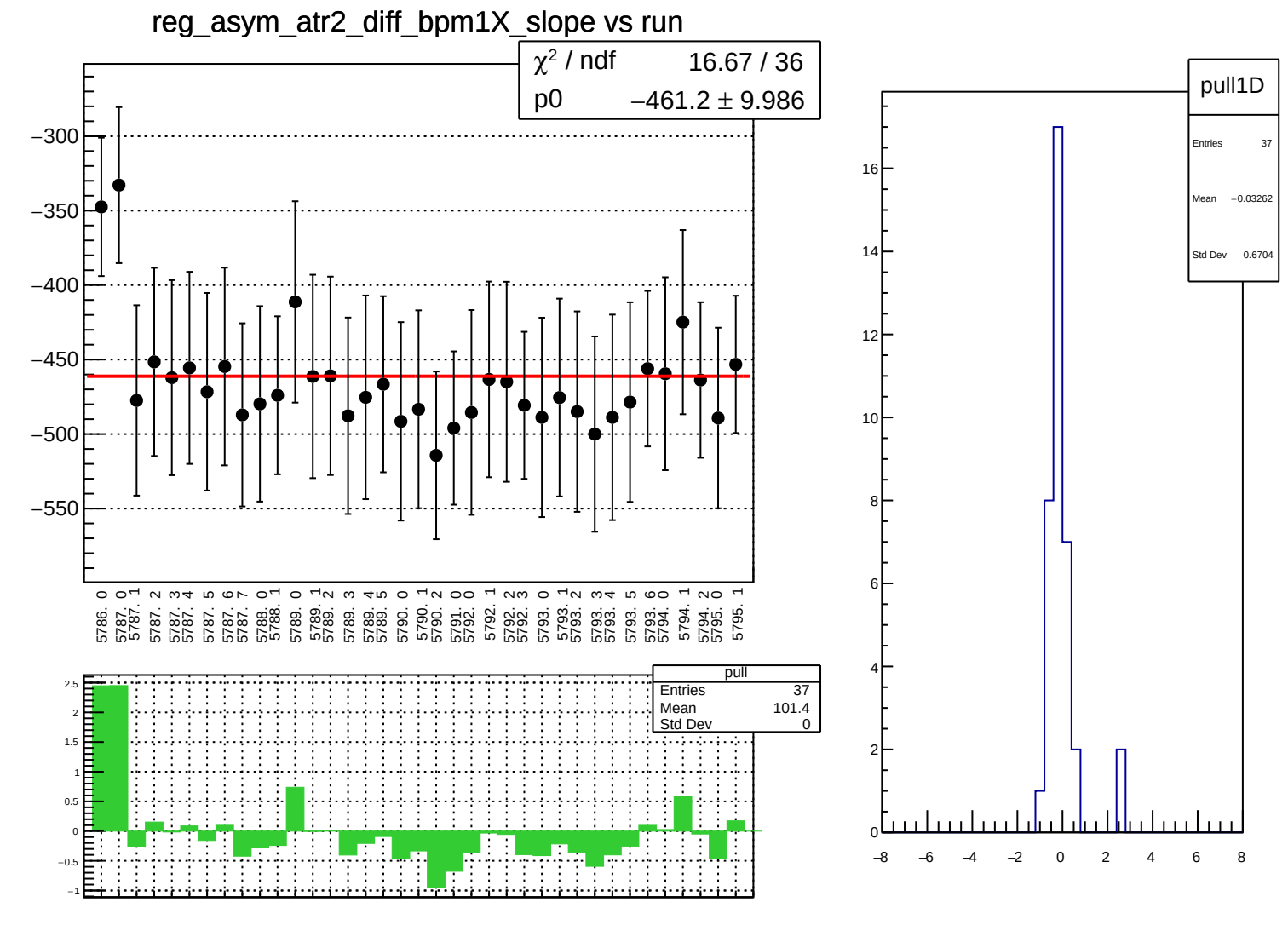

reg_asym_atr1_diff_bpm4eX_slope vs run
χ² / ndf 54.47 / 36
p0 4.774 ± 3.572
pull
Entries 37
Mean 1127
Std Dev 0
pull1D
Entries 37
Mean −0.001837
Std Dev 1.213

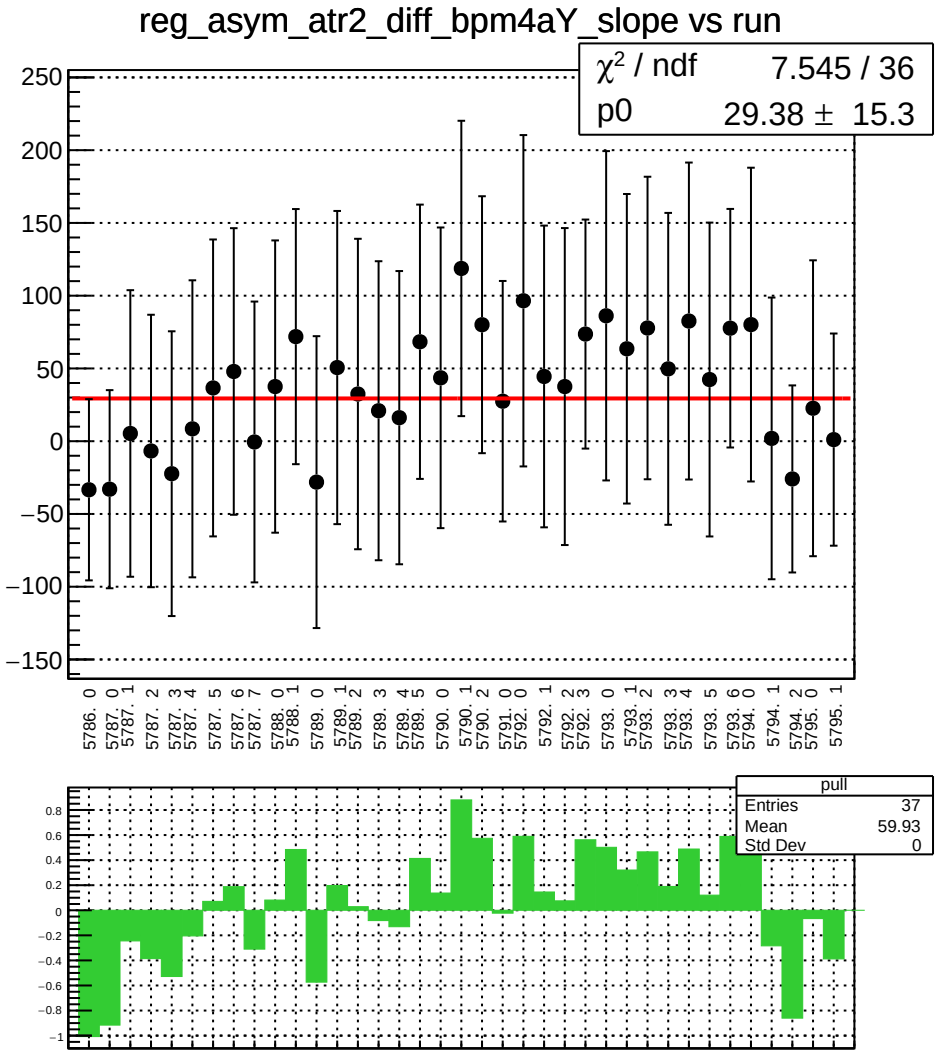

reg_asym_atr1_diff_bpm4eY_slope vs run
χ² / ndf 33.46 / 36
p0 −22.26 ± 4.184
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 85.3
Std Dev 0
2
1
0
−1
−2

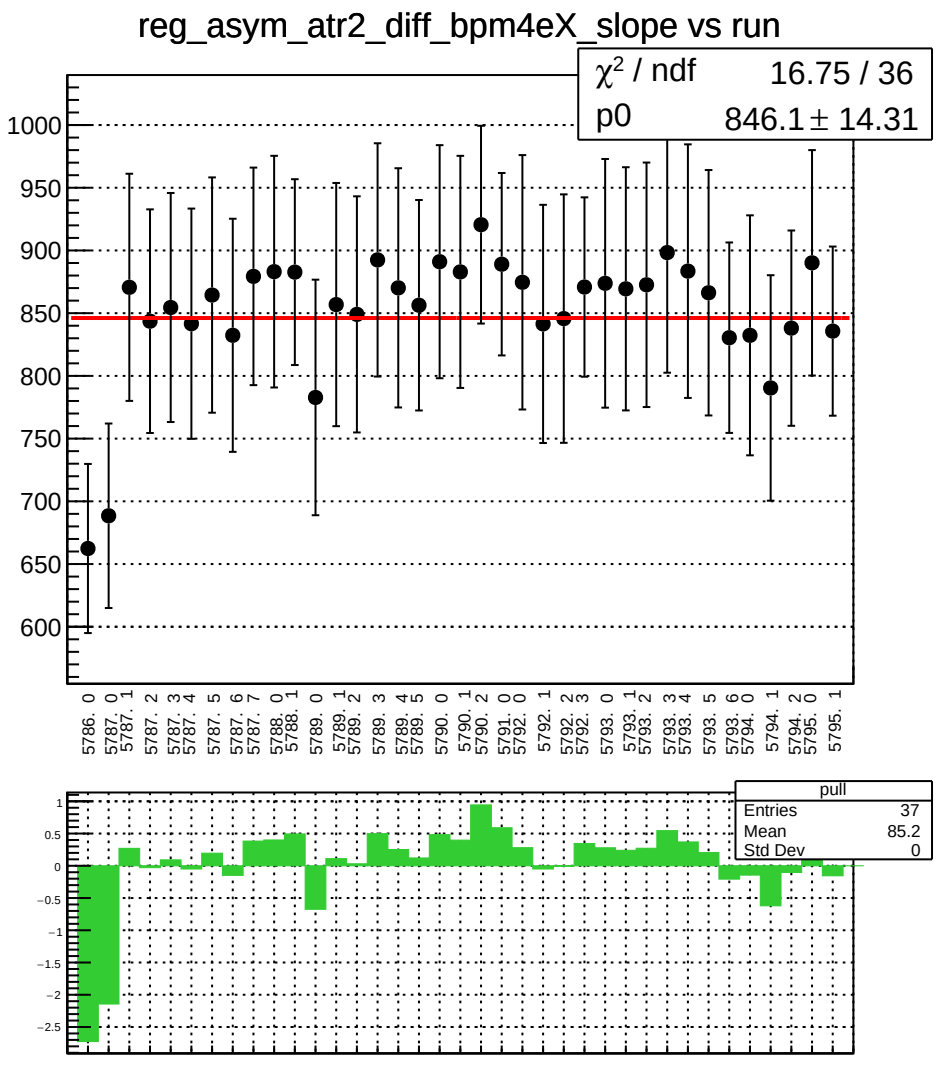

pull1D
Entries 37
Mean 0.03746
Std Dev 0.9502
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

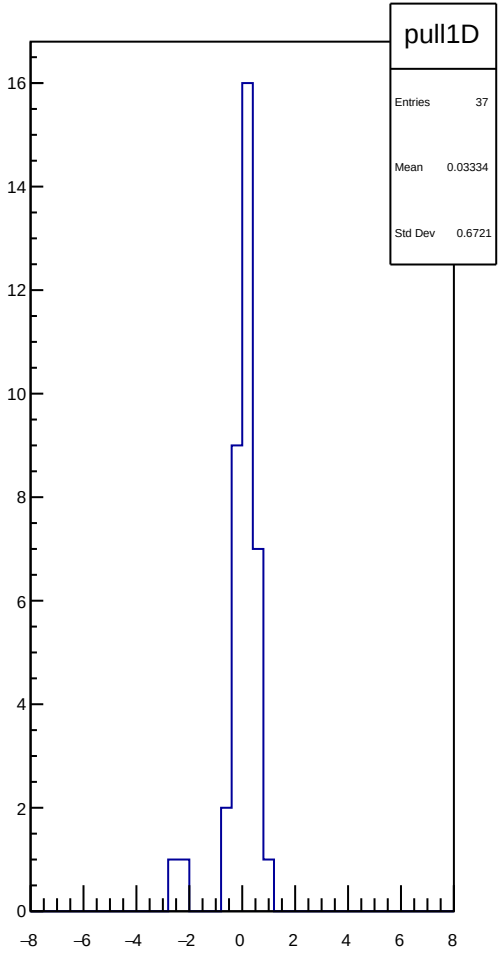

reg_asym_atr1_diff_bpm12X_slope vs run
χ² / ndf 65.31 / 36
p0 −12.7 ± 0.297
pull
Entries 37
Mean 114.5
Std Dev 0

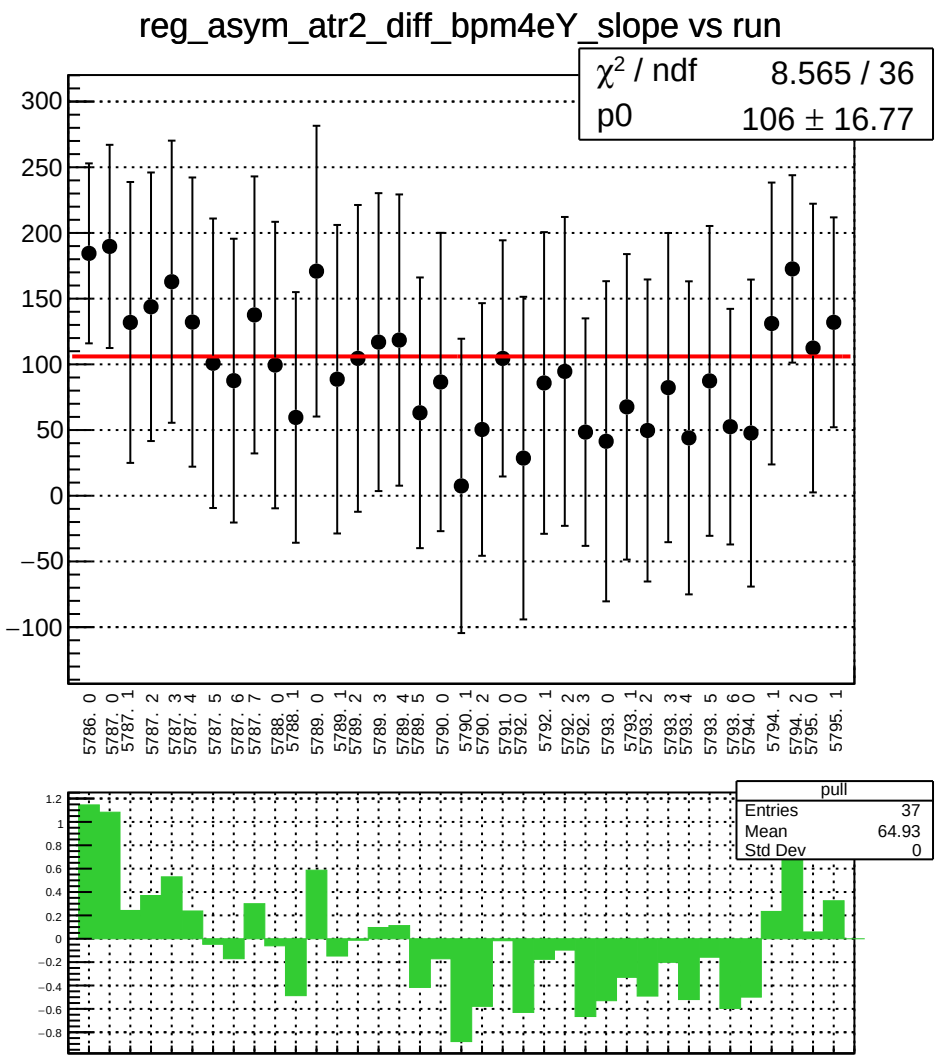

pull1D
Entries 37
Mean 0.01594
Std Dev 1.328

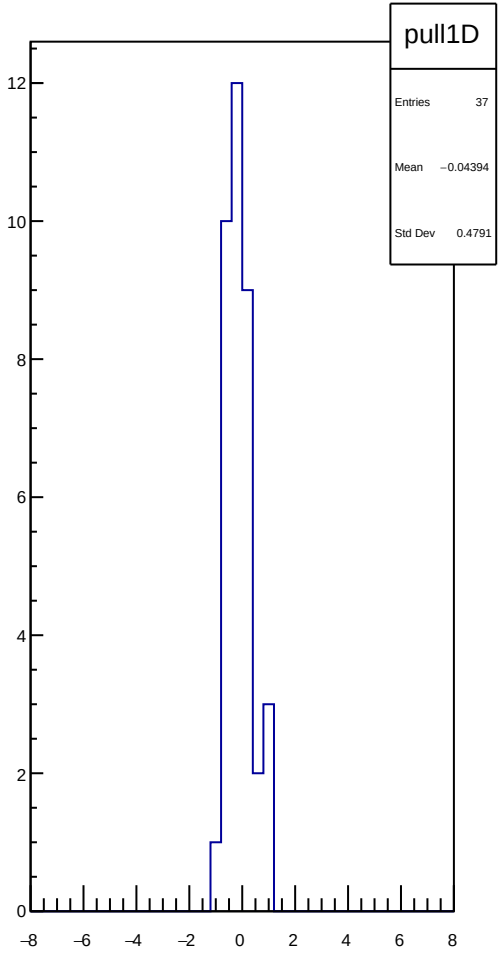

reg_asym_atr2_diff_bpm1X_slope vs run
χ² / ndf 16.67 / 36
p0 −461.2 ± 9.986
−300
−350
−400
−450
−500
−550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 101.4
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.03262
Std Dev 0.6704
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

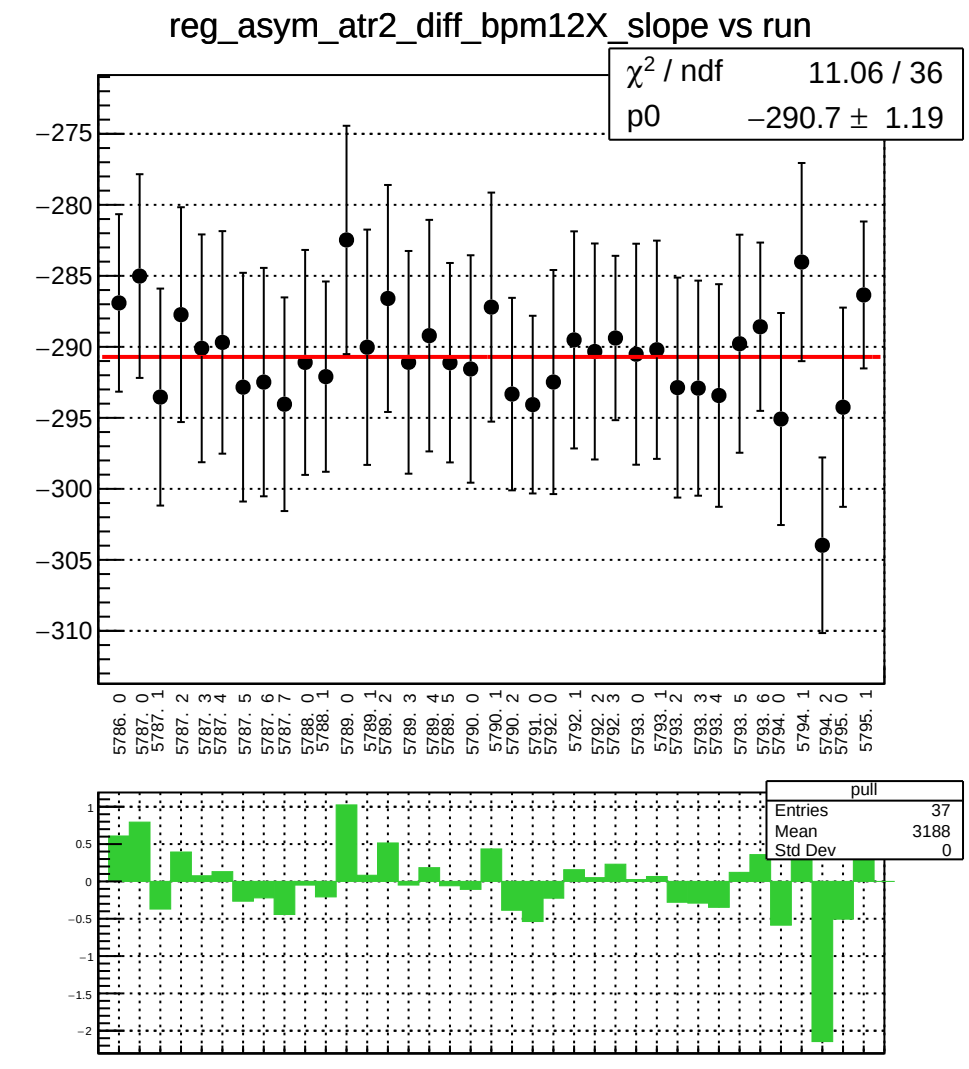

reg_asym_atr2_diff_bpm4aY_slope vs run
χ² / ndf 7.545 / 36
p0 29.38 ± 15.3
250
200
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.93
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.04253
Std Dev 0.4496
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

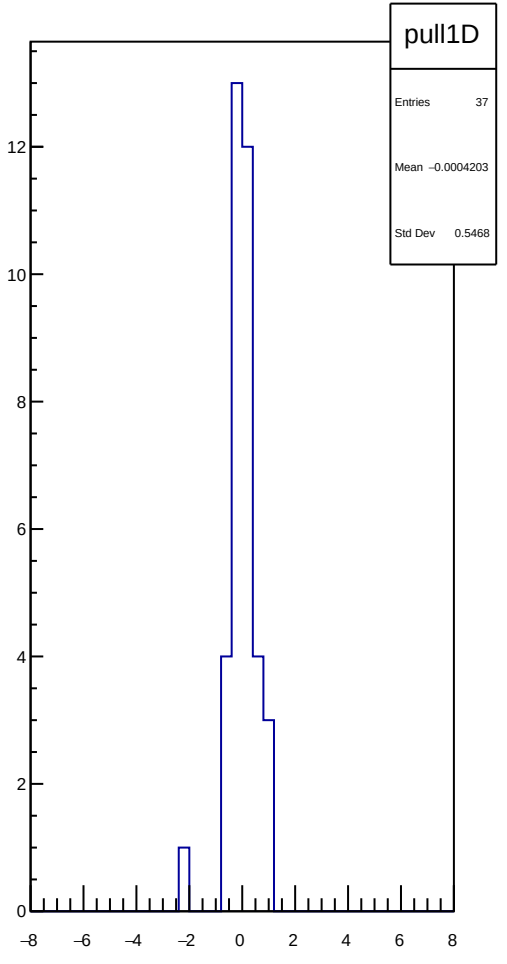

reg_asym_atr2_diff_bpm4eX_slope vs run
χ² / ndf 16.75 / 36
p0 846.1 ± 14.31
1000
950
900
850
800
750
700
650
600
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 85.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

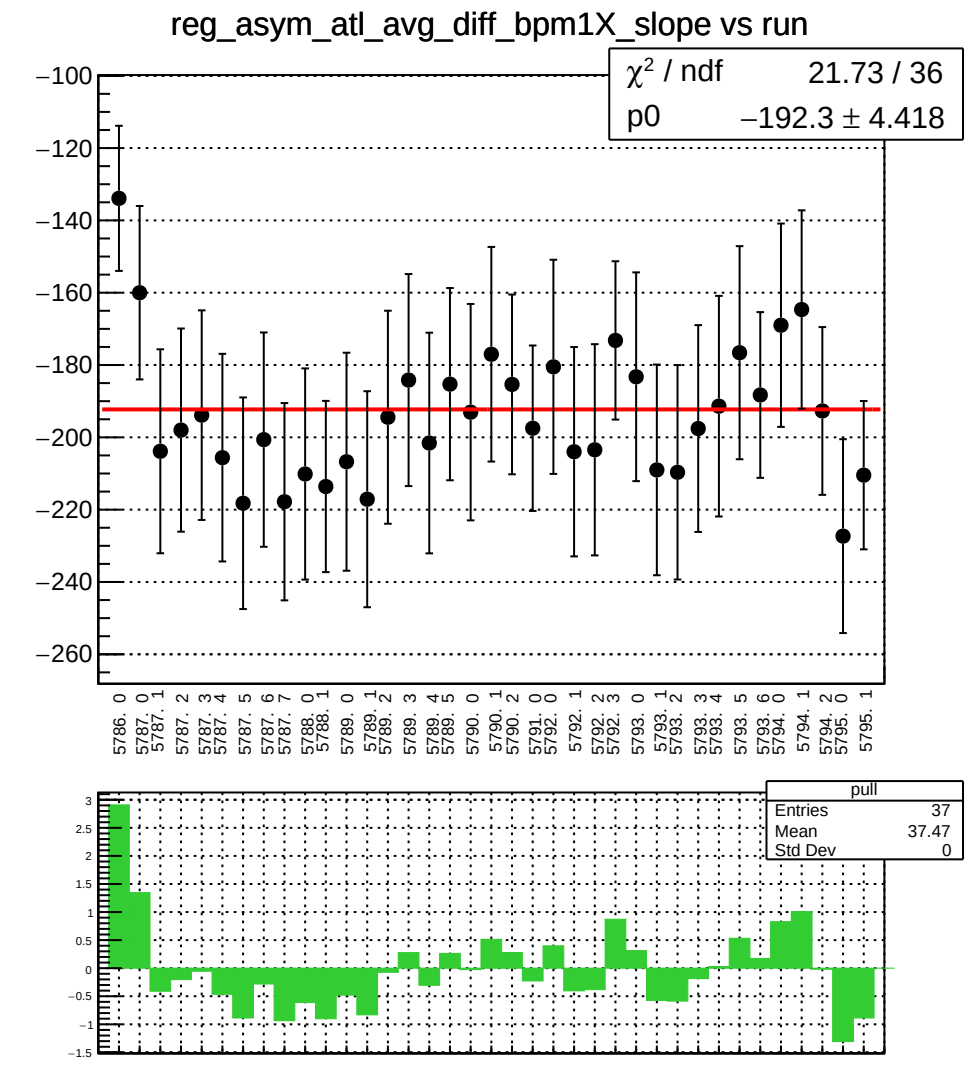

pull1D
Entries 37
Mean 0.03334
Std Dev 0.6721
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

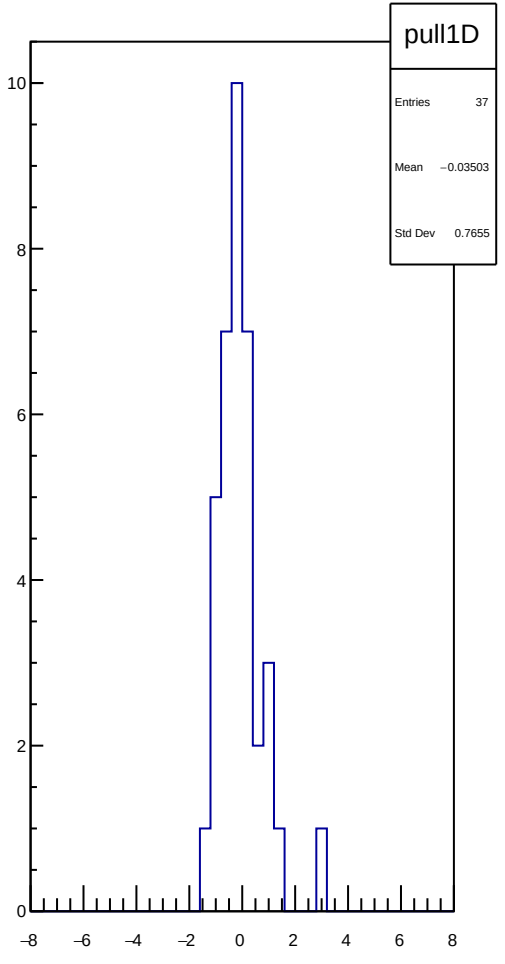

reg_asym_atr2_diff_bpm4eY_slope vs run
χ² / ndf 8.565 / 36
p0 106 ± 16.77
pull
Entries 37
Mean 64.93
Std Dev 0

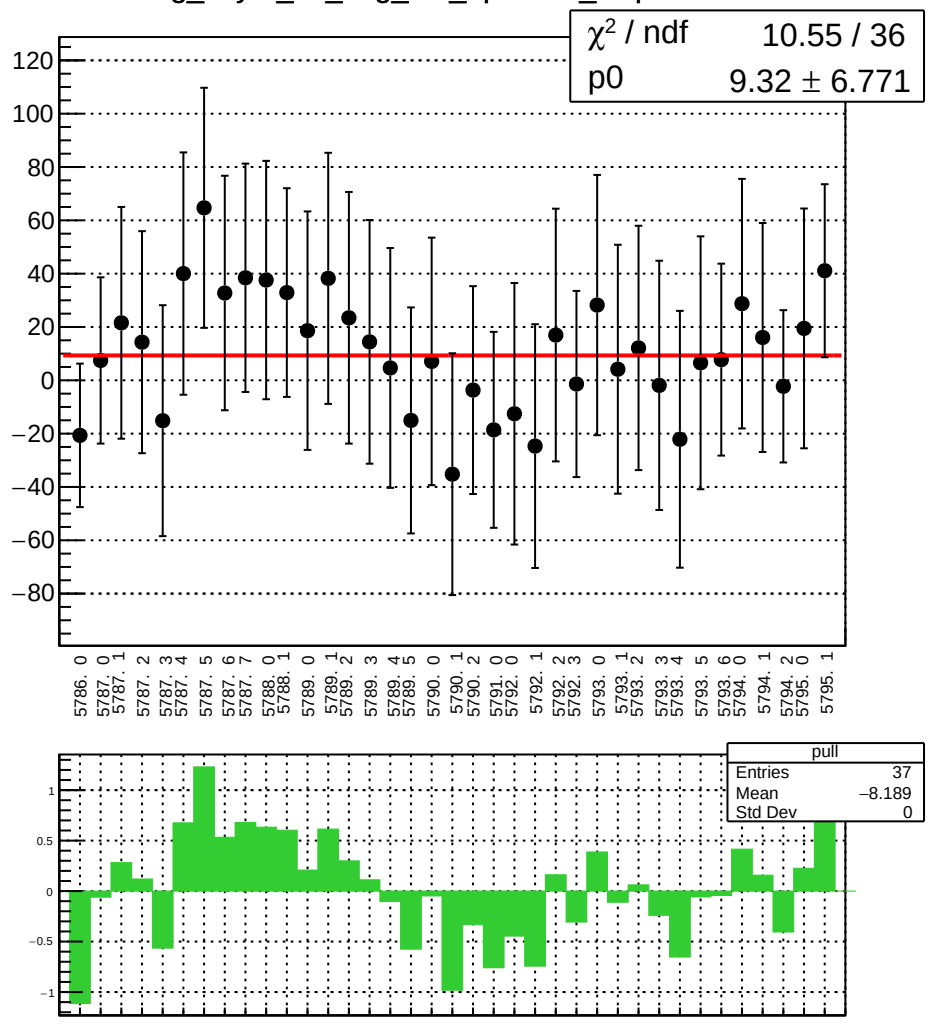

pull1D
Entries 37
Mean −0.04394
Std Dev 0.4791

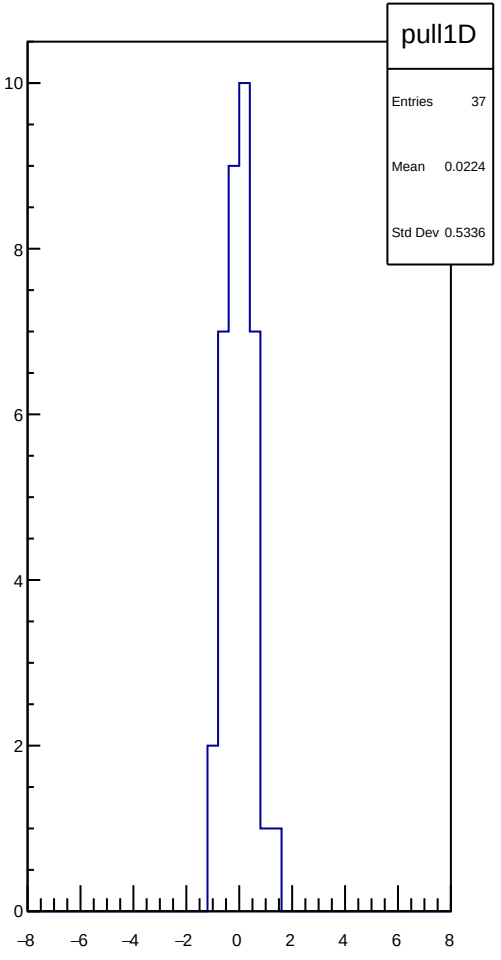

reg_asym_atr2_diff_bpm12X_slope vs run
χ² / ndf 11.06 / 36
p0 −290.7 ± 1.19
−275
−280
−285
−290
−295
−300
−305
−310
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 3188
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

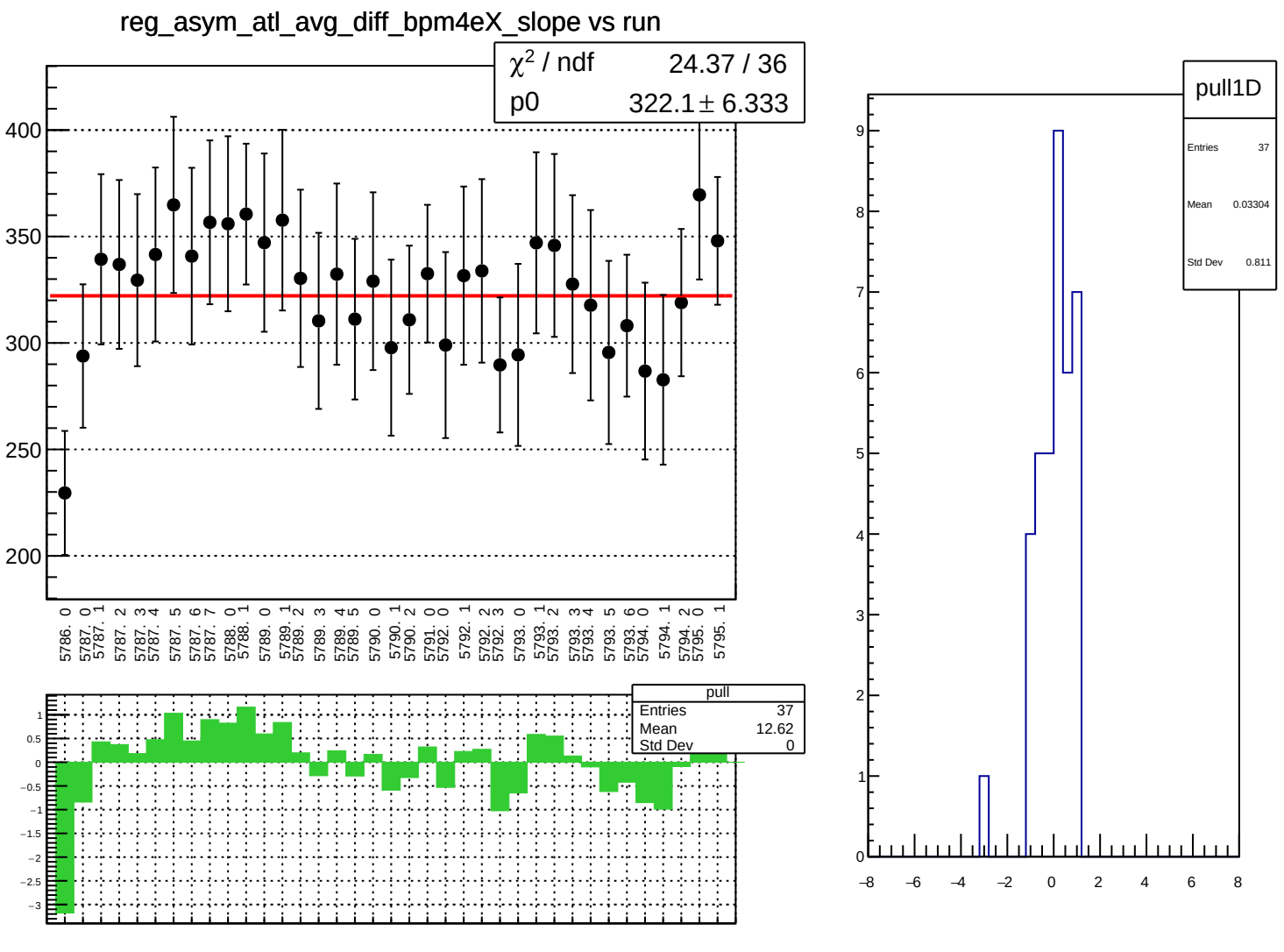

pull1D
Entries 37
Mean −0.0004203
Std Dev 0.5468
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

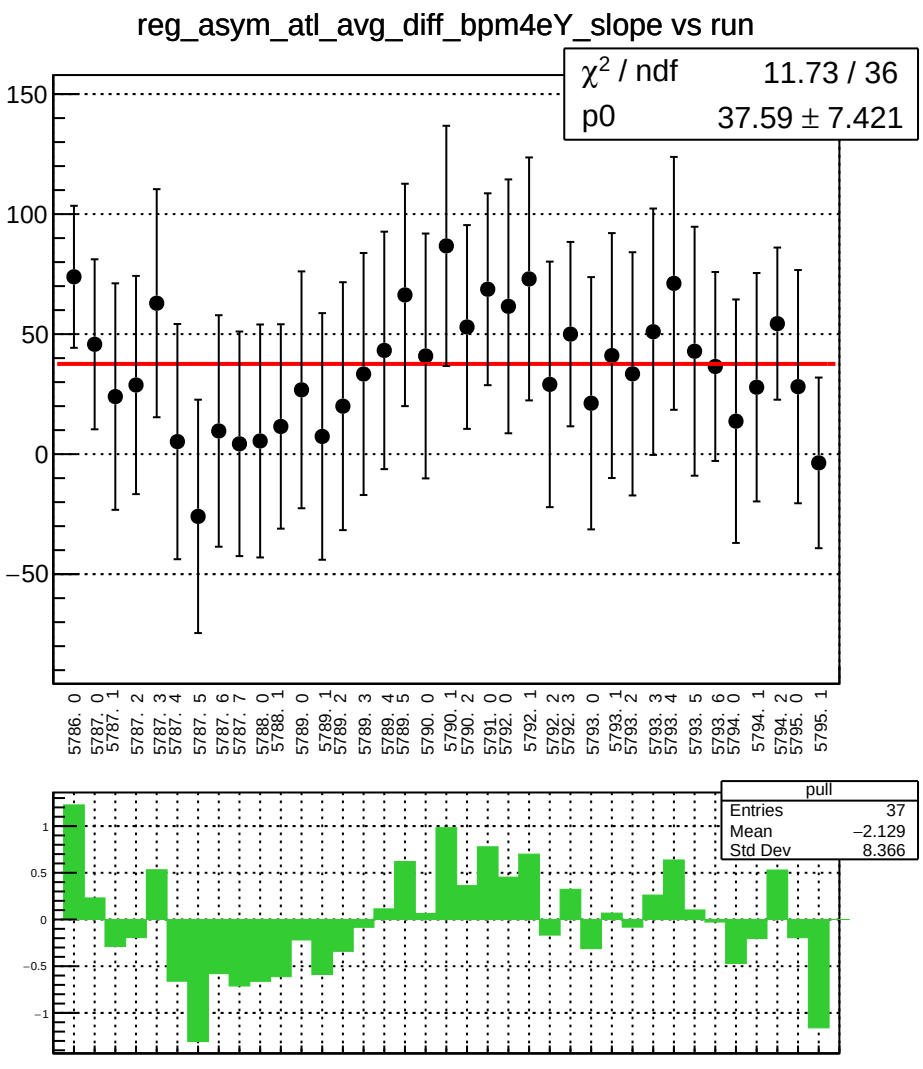

reg_asym_atl_avg_diff_bpm1X_slope vs run
χ² / ndf 21.73 / 36
p0 −192.3 ± 4.418
pull
Entries 37
Mean 37.47
Std Dev 0

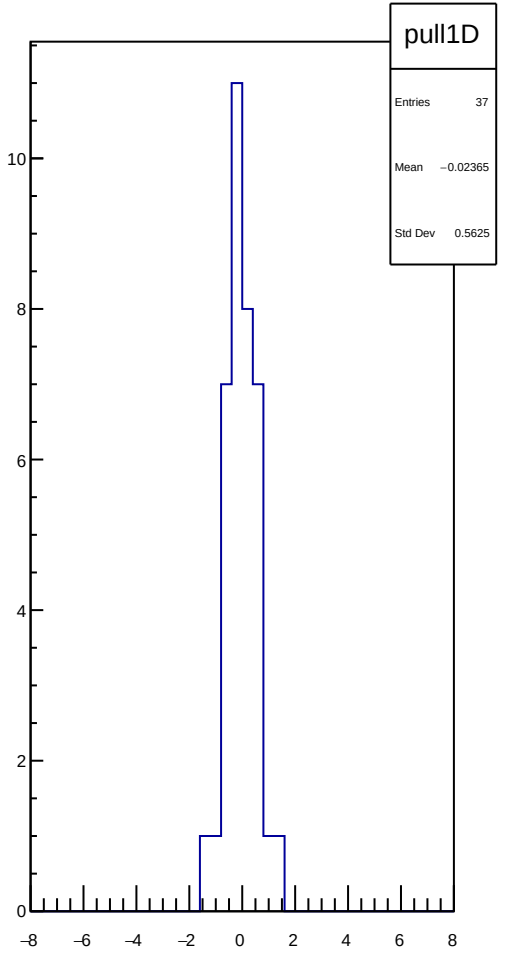

pull1D
Entries 37
Mean −0.03503
Std Dev 0.7655

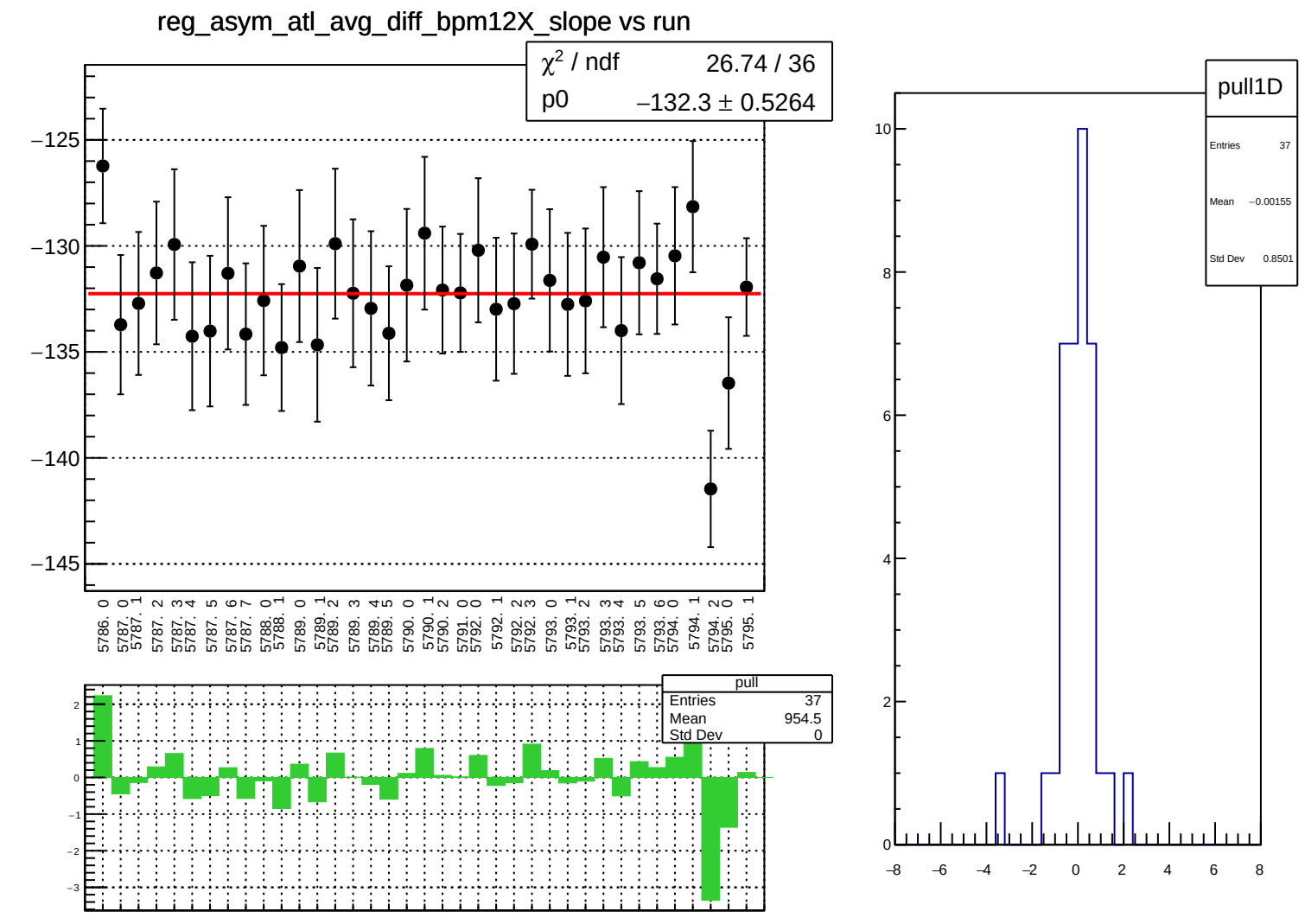

reg_asym_atl_avg_diff_bpm4aY_slope vs run
χ² / ndf 10.55 / 36
p0 9.32 ± 6.771
pull
Entries 37
Mean −8.189
Std Dev 0

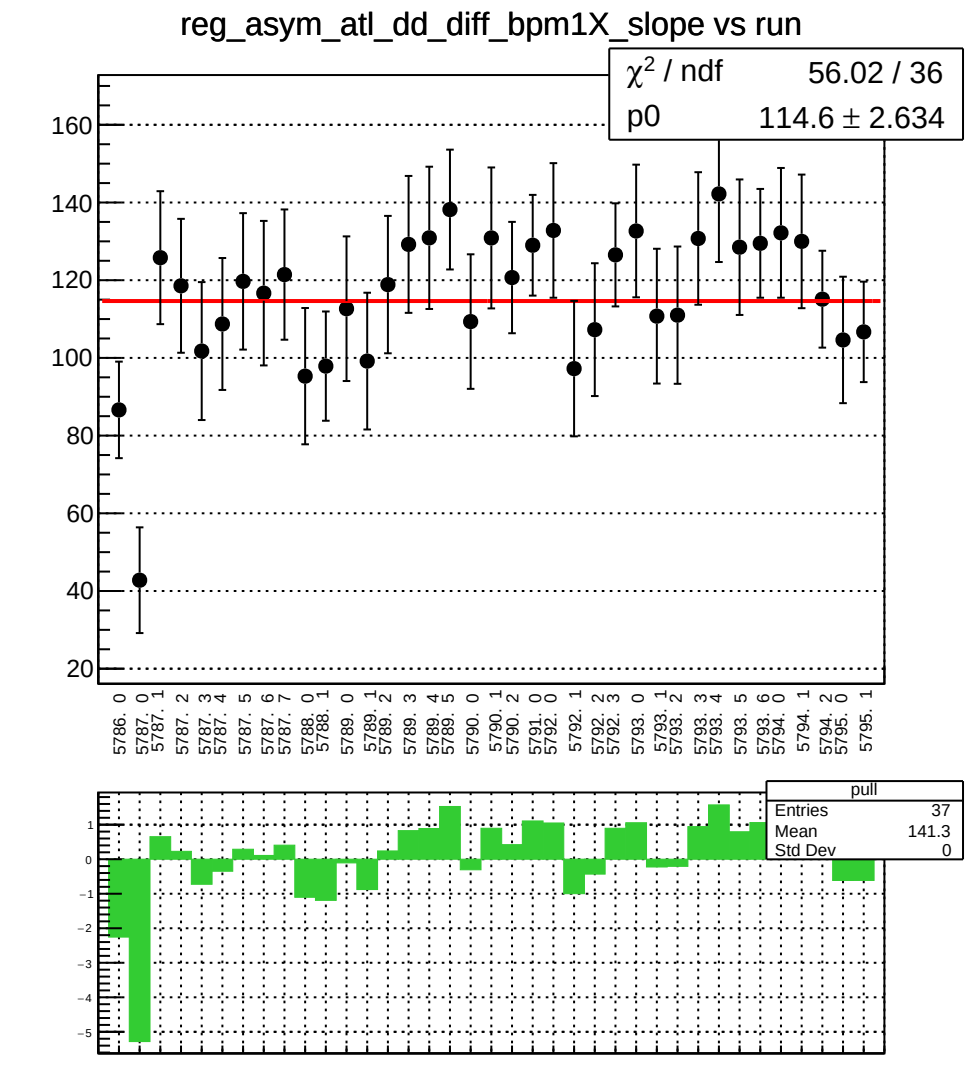

pull1D
Entries 37
Mean 0.0224
Std Dev 0.5336

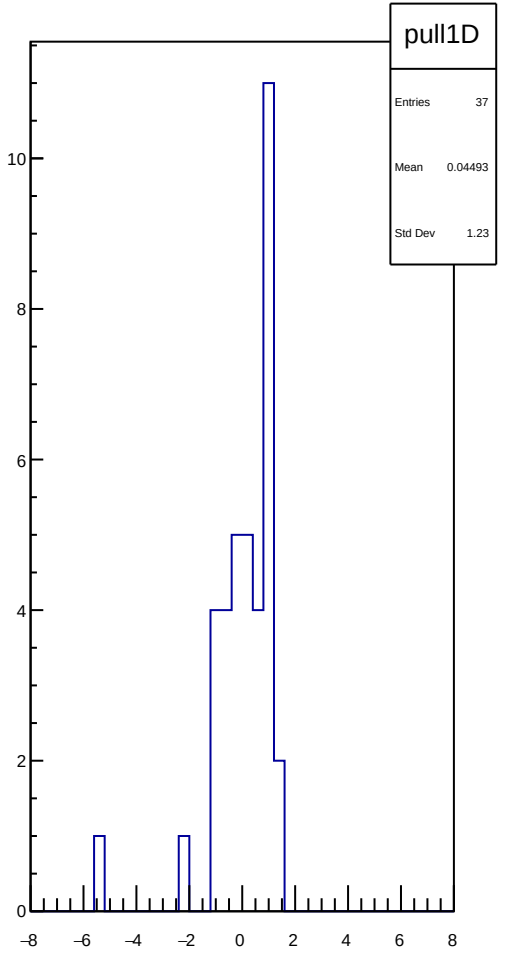

reg_asym_atl_avg_diff_bpm4eX_slope vs run
χ² / ndf 24.37 / 36
p0 322.1 ± 6.333
400
350
300
250
200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 12.62
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 37
Mean 0.03304
Std Dev 0.811
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

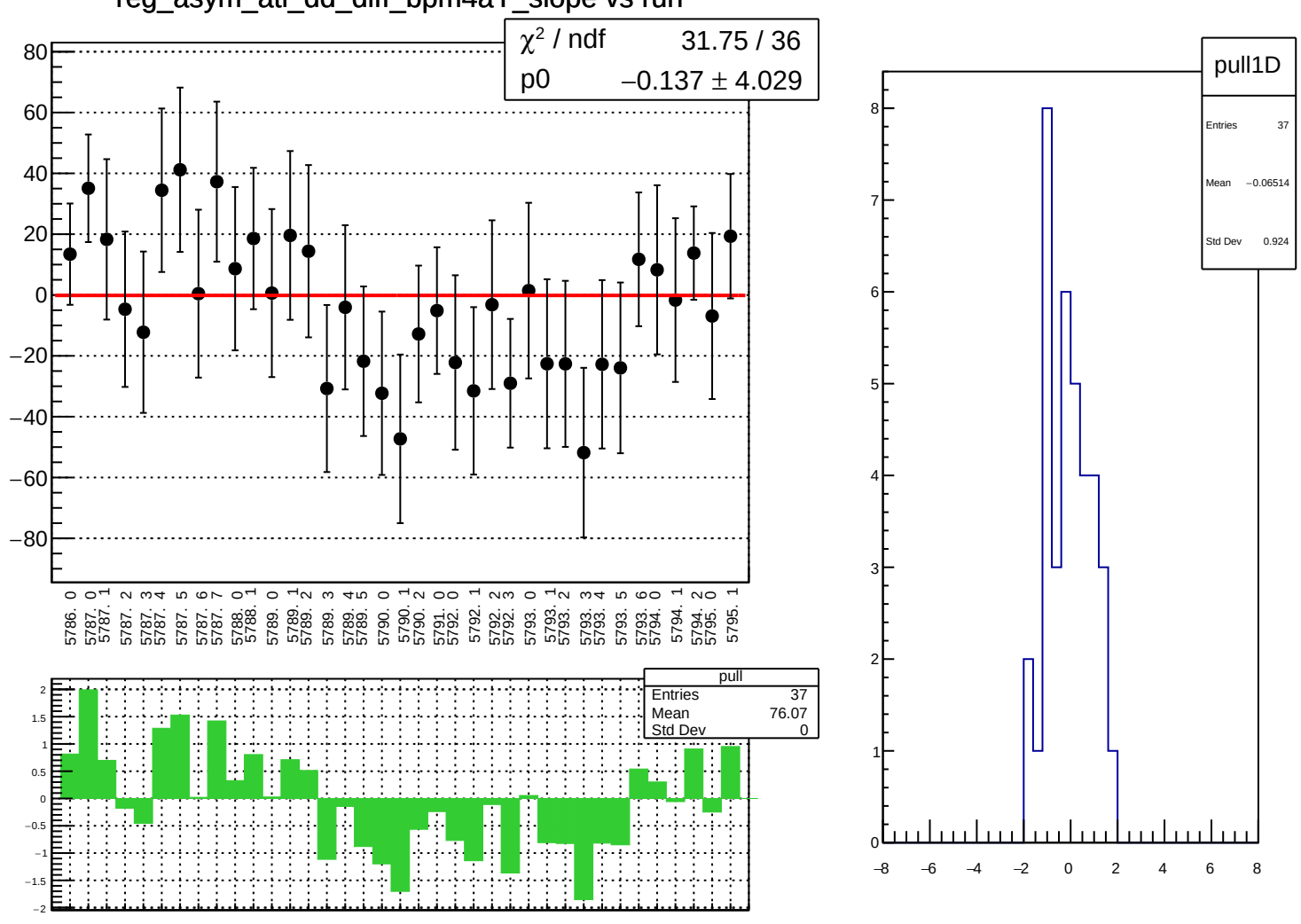

reg_asym_atl_avg_diff_bpm4eY_slope vs run
χ² / ndf 11.73 / 36
p0 37.59 ± 7.421
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −2.129
Std Dev 8.366
1
0.5
0
−0.5
−1

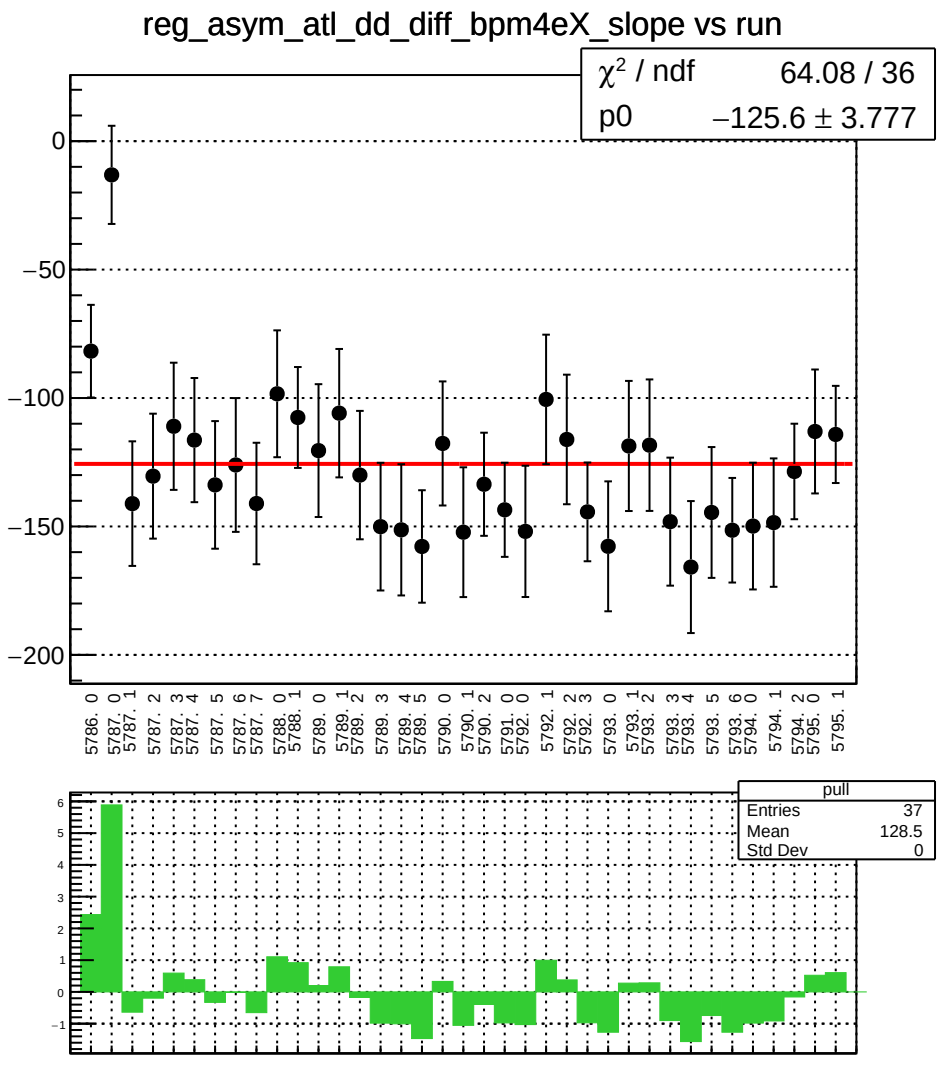

pull1D
Entries 37
Mean −0.02365
Std Dev 0.5625
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

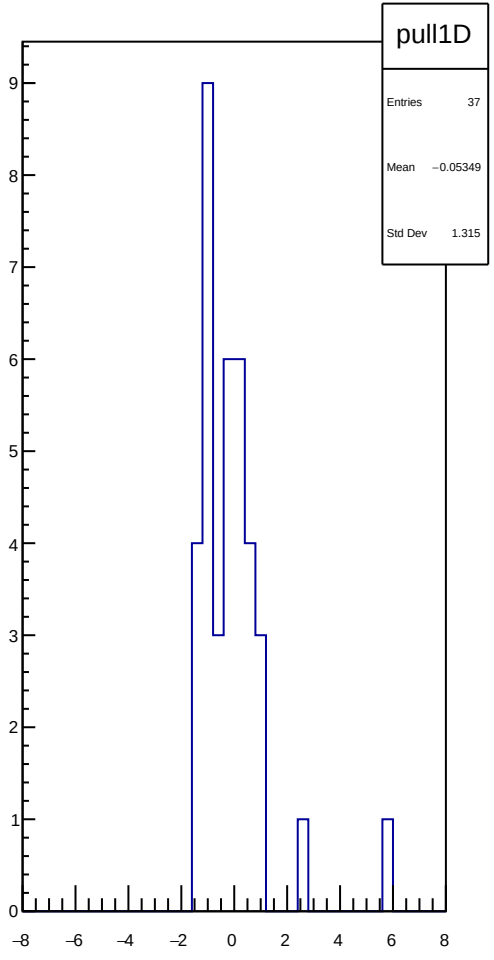

reg_asym_atl_avg_diff_bpm12X_slope vs run
χ² / ndf 26.74 / 36
p0 −132.3 ± 0.5264
−125
−130
−135
−140
−145
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 954.5
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.00155
Std Dev 0.8501
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

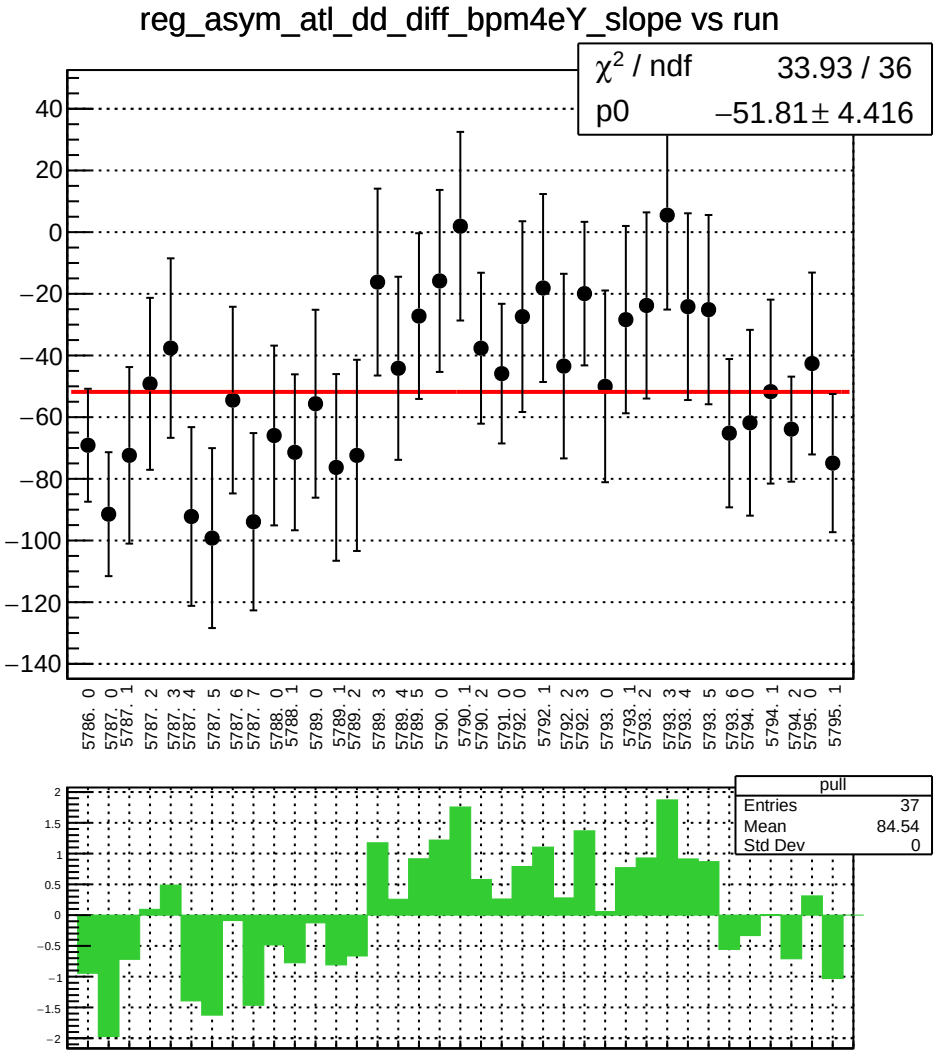

reg_asym_atl_dd_diff_bpm1X_slope vs run
χ² / ndf 56.02 / 36
p0 114.6 ± 2.634
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 141.3
Std Dev 0
1
0
−1
−2
−3
−4
−5

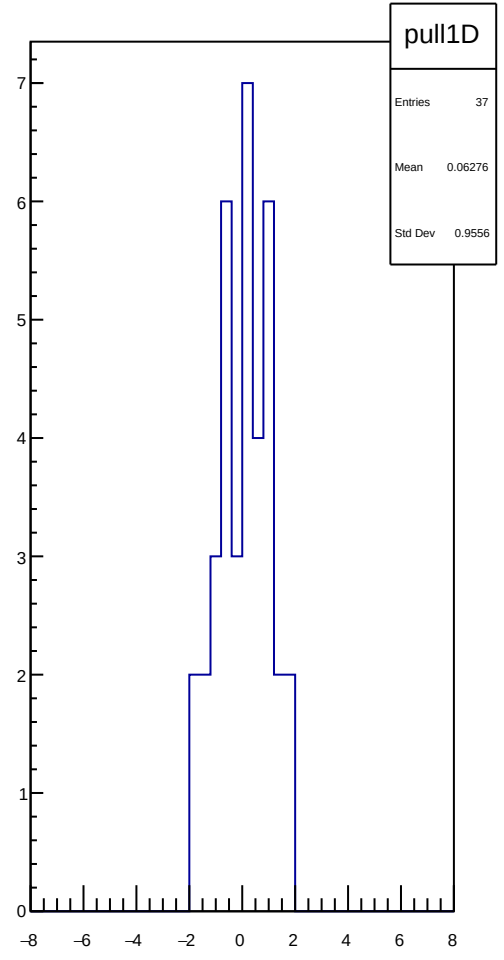

pull1D
Entries 37
Mean 0.04493
Std Dev 1.23
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

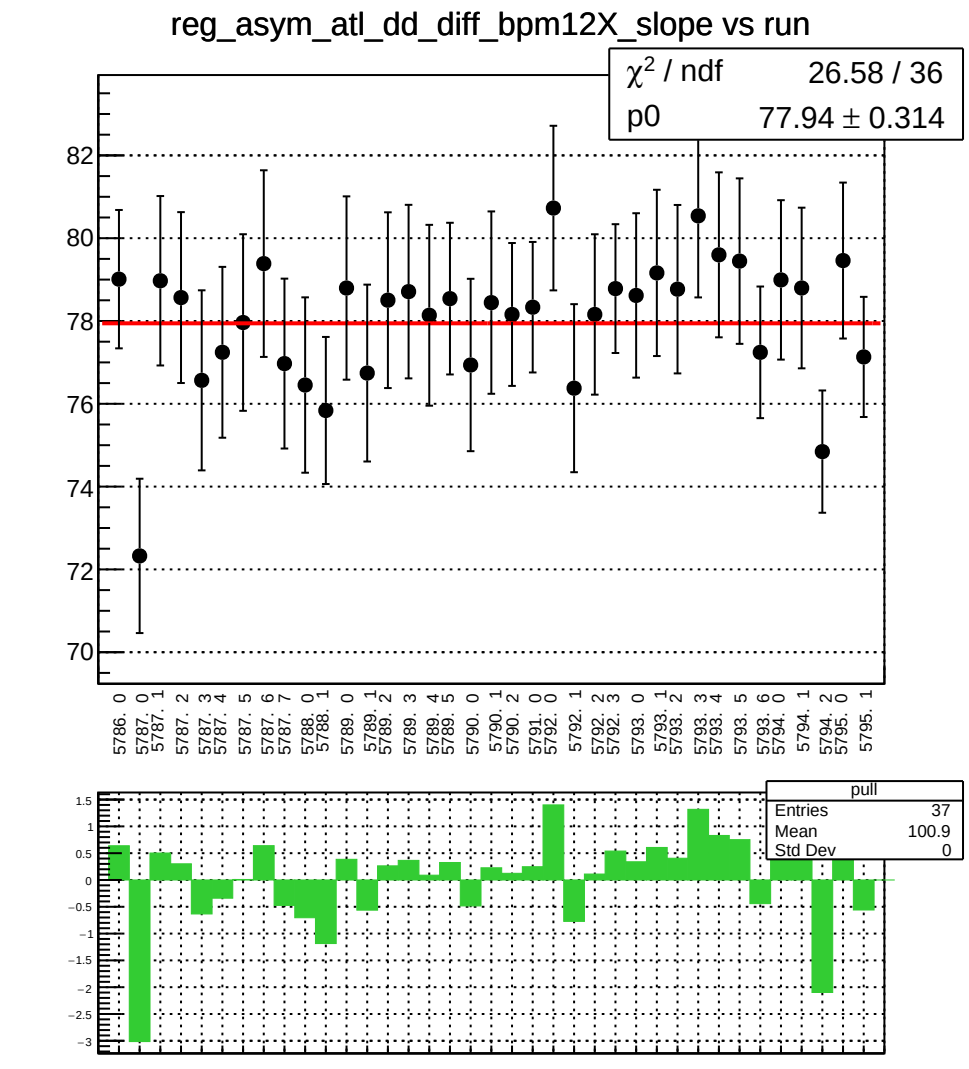

reg_asym_atl_dd_diff_bpm4aY_slope vs run
χ² / ndf 31.75 / 36
p0 −0.137 ± 4.029
pull
Entries 37
Mean 76.07
Std Dev 0
pull1D
Entries 37
Mean −0.06514
Std Dev 0.924

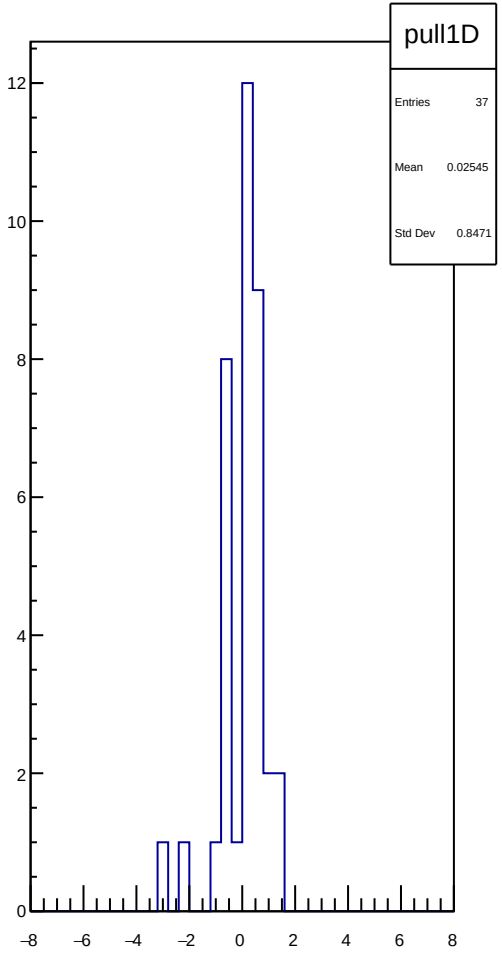

reg_asym_atl_dd_diff_bpm4eX_slope vs run
χ² / ndf 64.08 / 36
p0 −125.6 ± 3.777
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 128.5
Std Dev 0

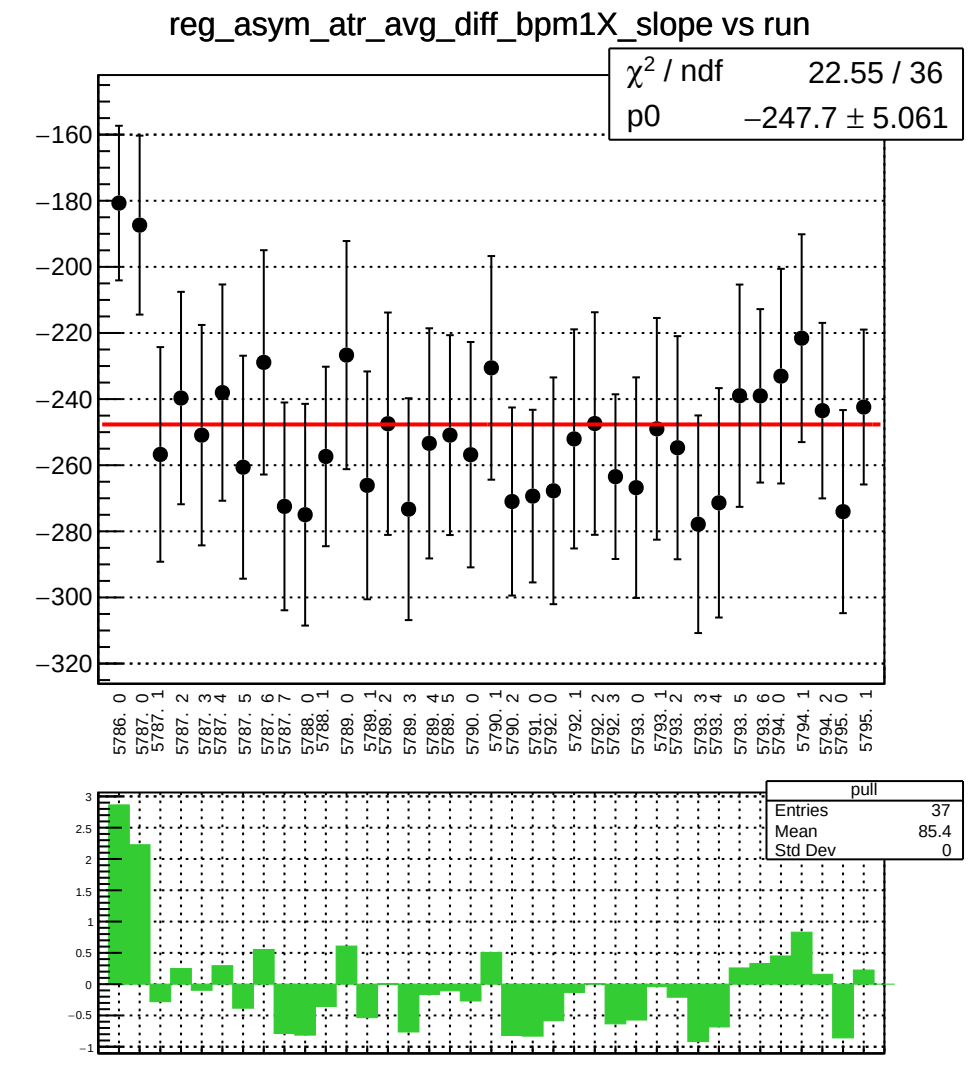

pull1D
Entries 37
Mean −0.05349
Std Dev 1.315

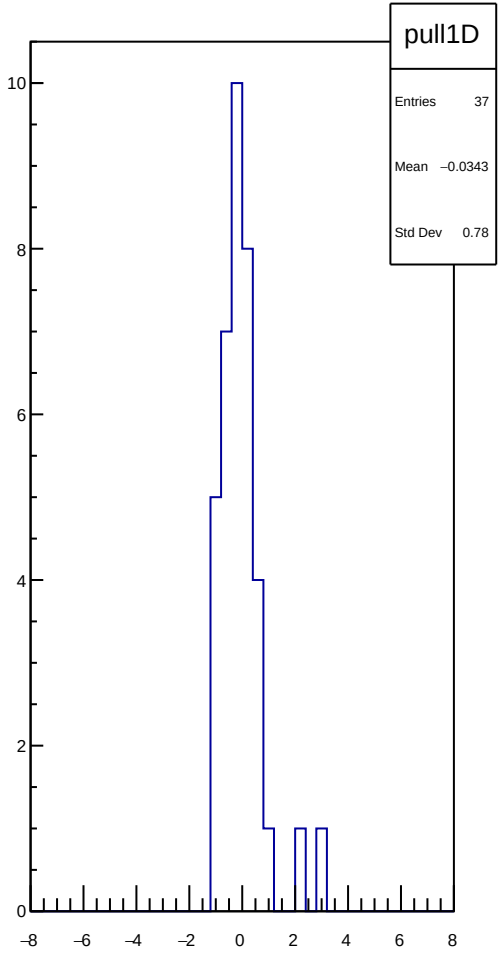

reg_asym_atl_dd_diff_bpm4eY_slope vs run
χ² / ndf 33.93 / 36
p0 −51.81 ± 4.416
pull
Entries 37
Mean 84.54
Std Dev 0

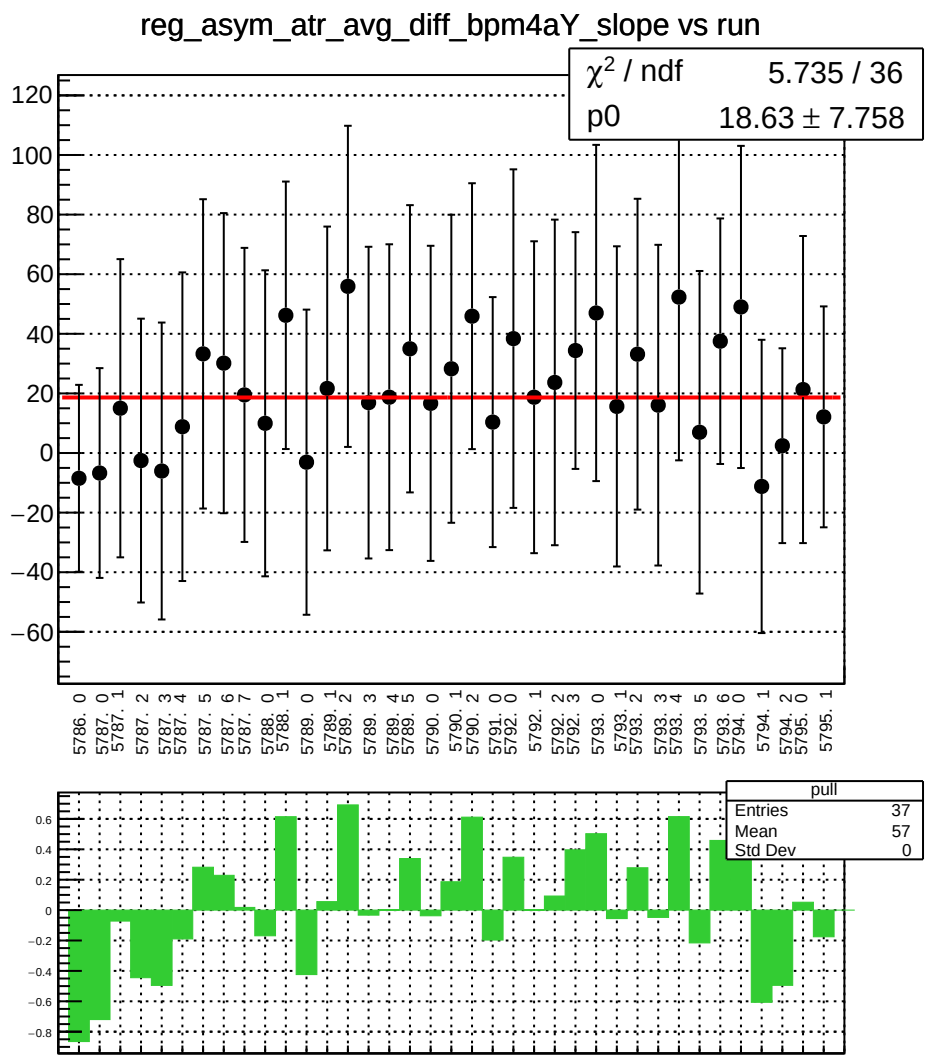

pull1D
Entries 37
Mean 0.06276
Std Dev 0.9556

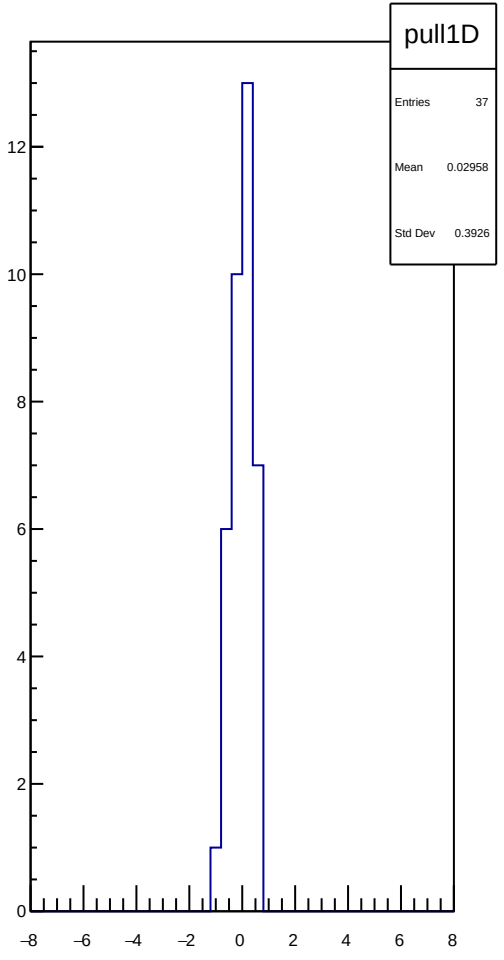

reg_asym_atl_dd_diff_bpm12X_slope vs run
χ² / ndf 26.58 / 36
p0 77.94 ± 0.314
82
80
78
76
74
72
70
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 100.9
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

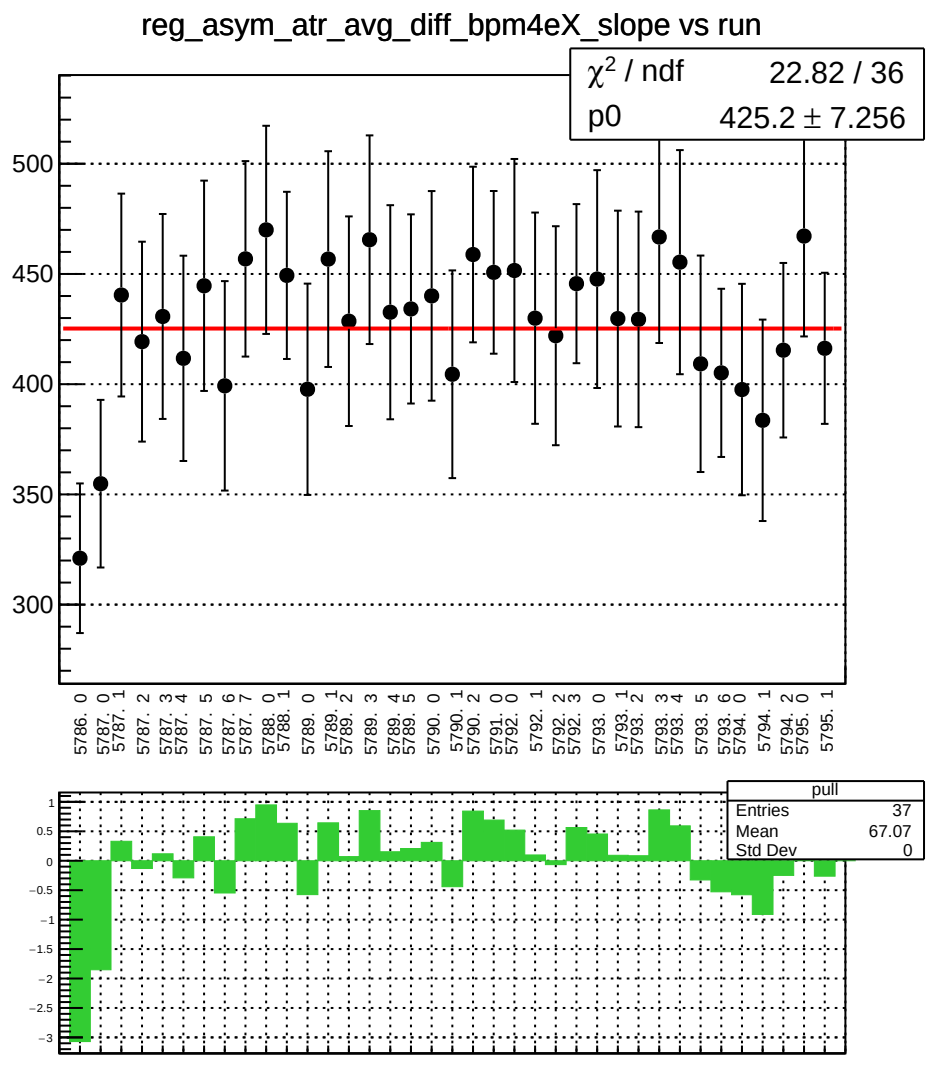

pull1D
Entries 37
Mean 0.02545
Std Dev 0.8471
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

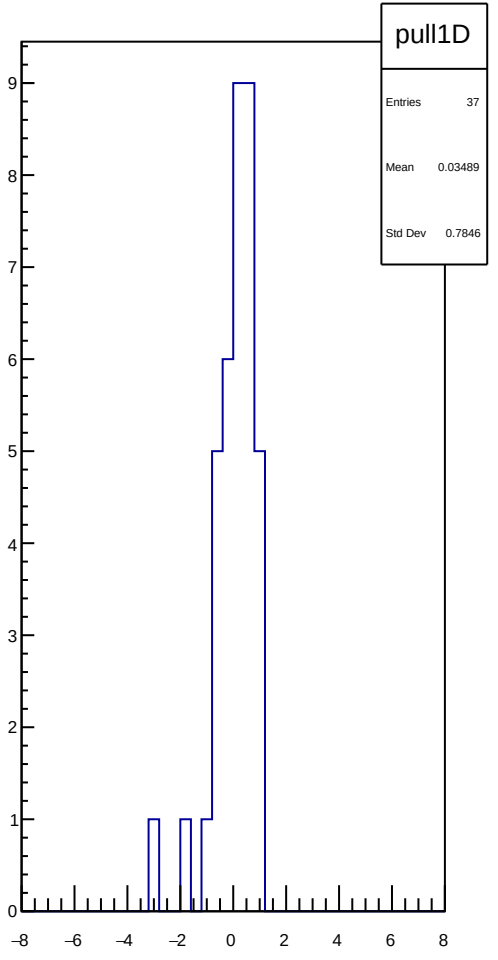

reg_asym_atr_avg_diff_bpm1X_slope vs run
χ² / ndf 22.55 / 36
p0 −247.7 ± 5.061
pull
Entries 37
Mean 85.4
Std Dev 0

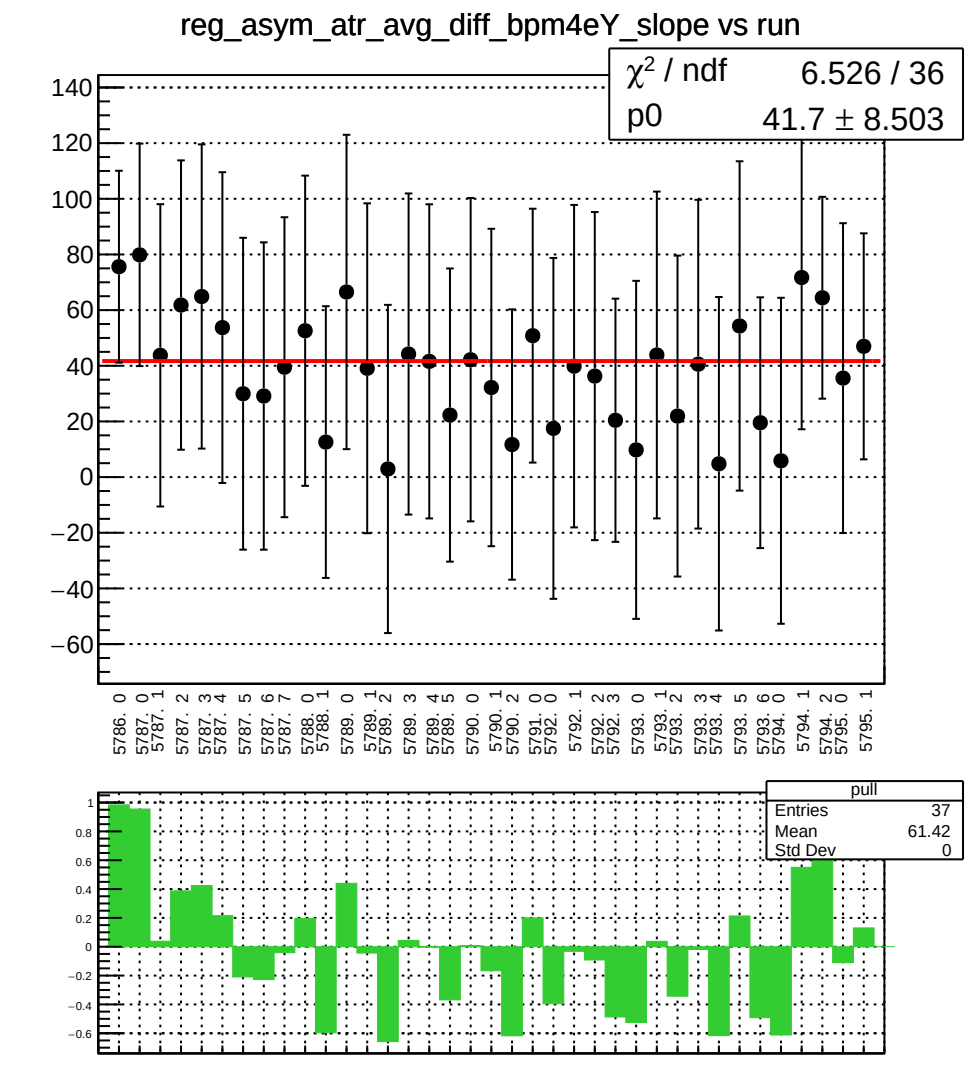

pull1D
Entries 37
Mean −0.0343
Std Dev 0.78

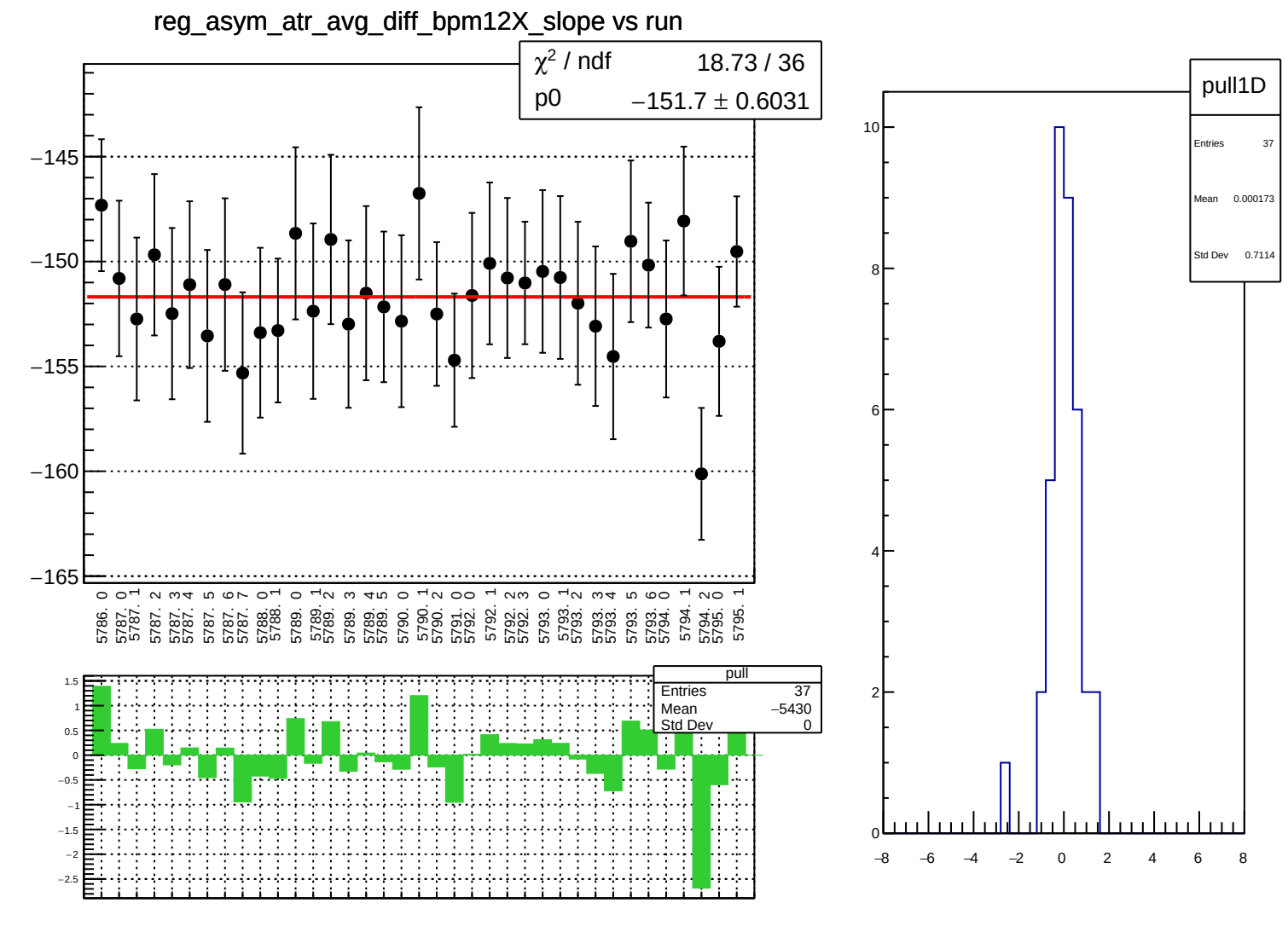

reg_asym_atr_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.735 / 36
p0 18.63 ± 7.758
pull
Entries 37
Mean 57
Std Dev 0

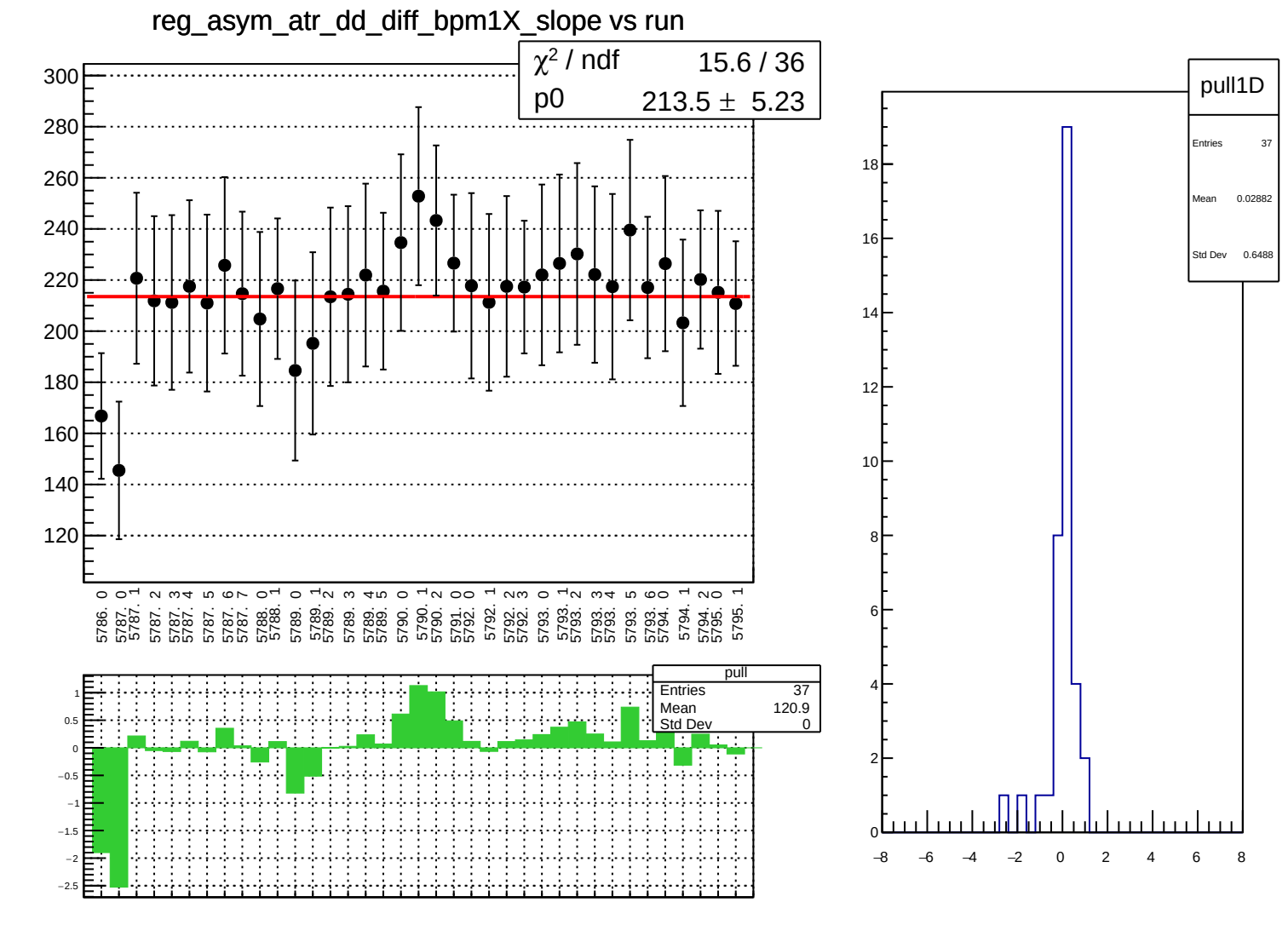

pull1D
Entries 37
Mean 0.02958
Std Dev 0.3926

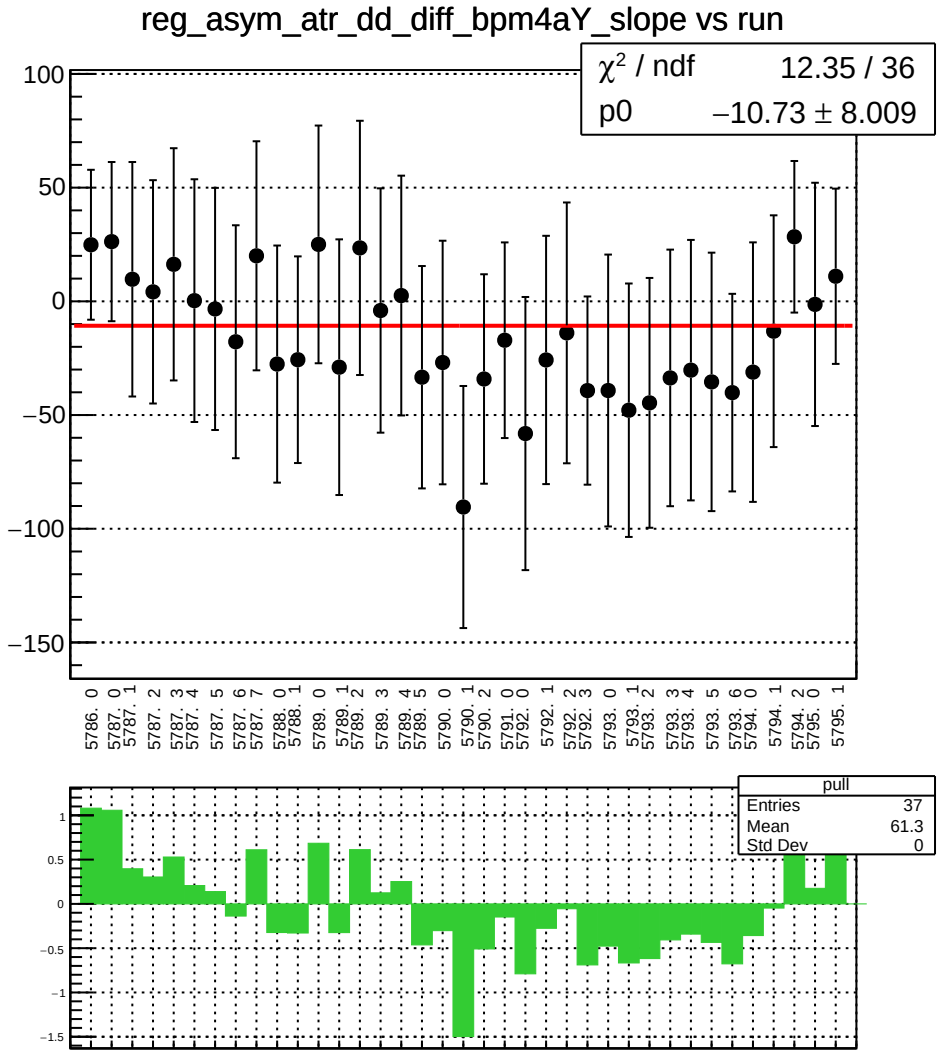

reg_asym_atr_avg_diff_bpm4eX_slope vs run
χ² / ndf 22.82 / 36
p0 425.2 ± 7.256
500
450
400
350
300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 67.07
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

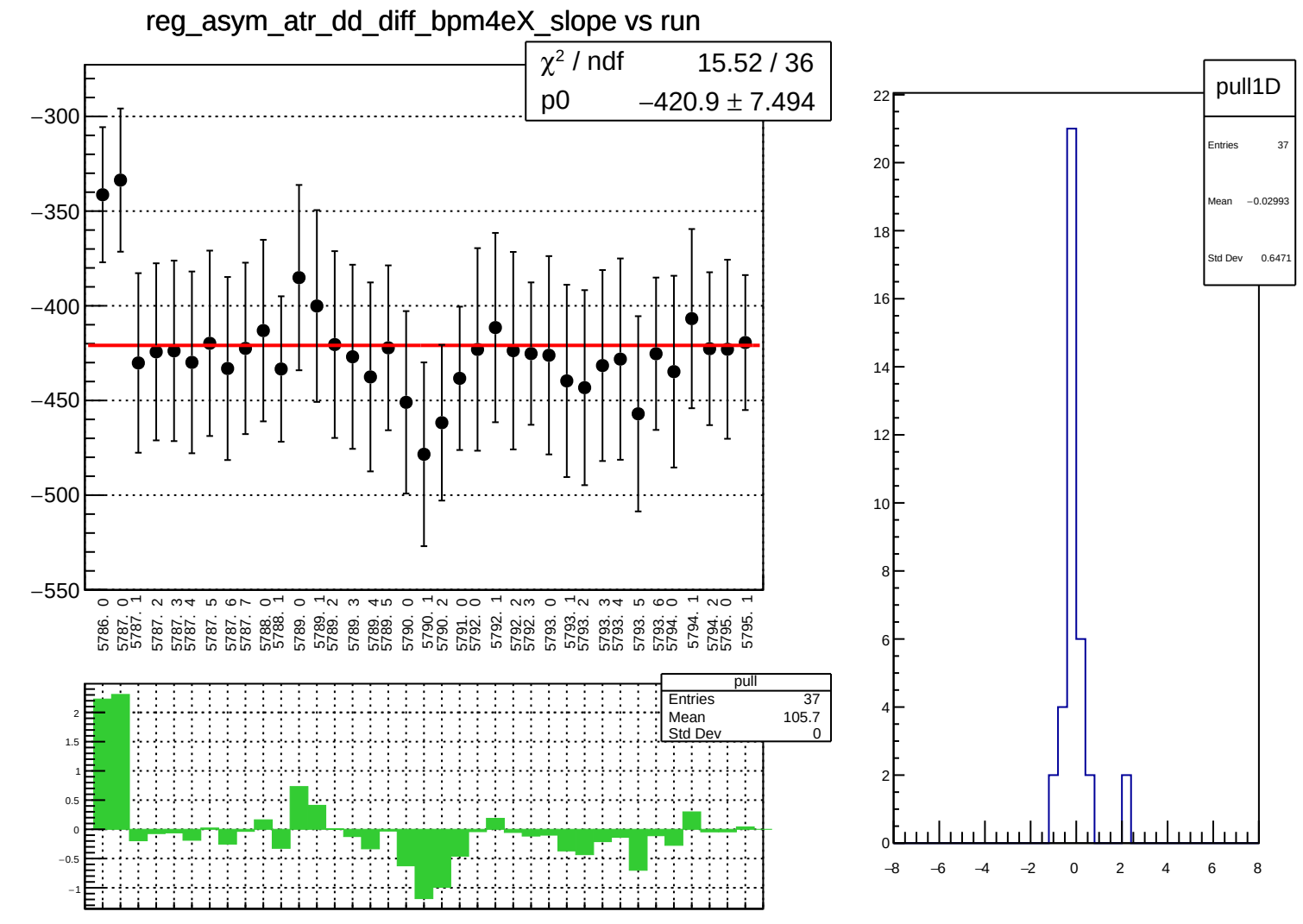

pull1D
Entries 37
Mean 0.03489
Std Dev 0.7846
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

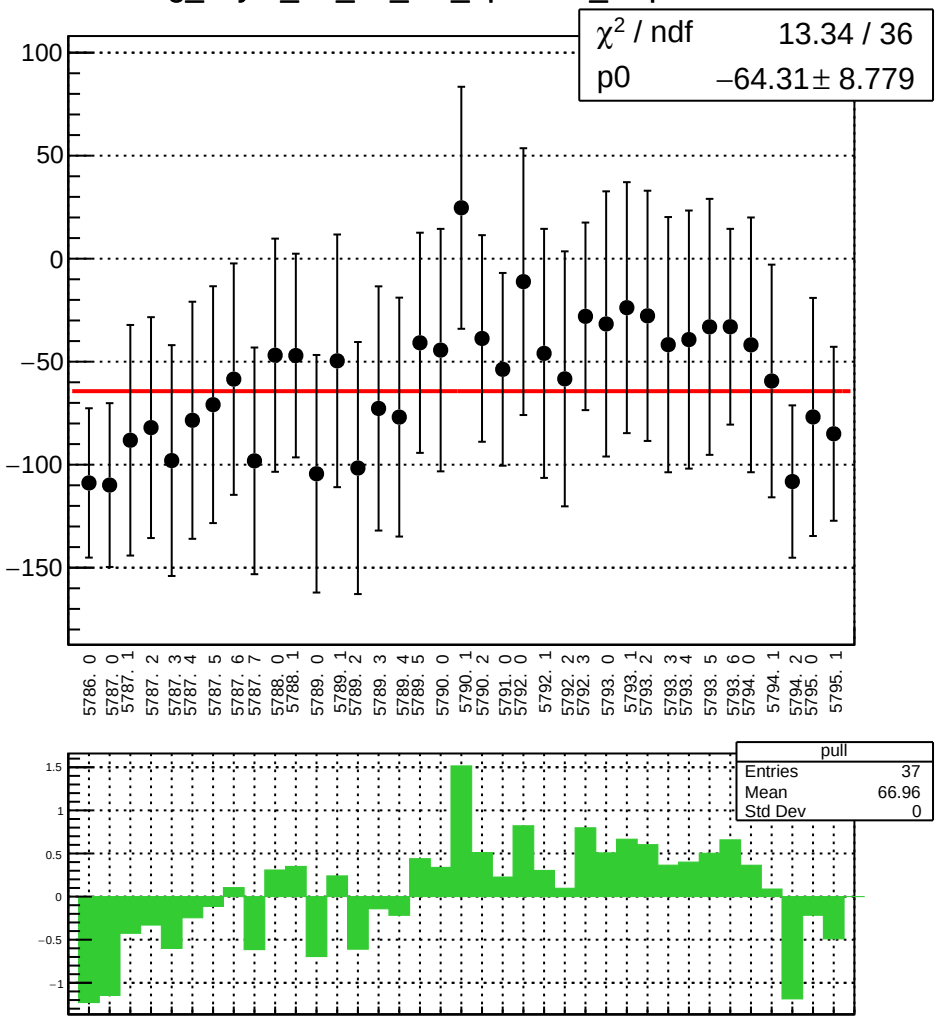

reg_asym_atr_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.526 / 36
p0 41.7 ± 8.503
pull
Entries 37
Mean 61.42
Std Dev 0
pull1D
Entries 37
Mean −0.03249
Std Dev 0.4187

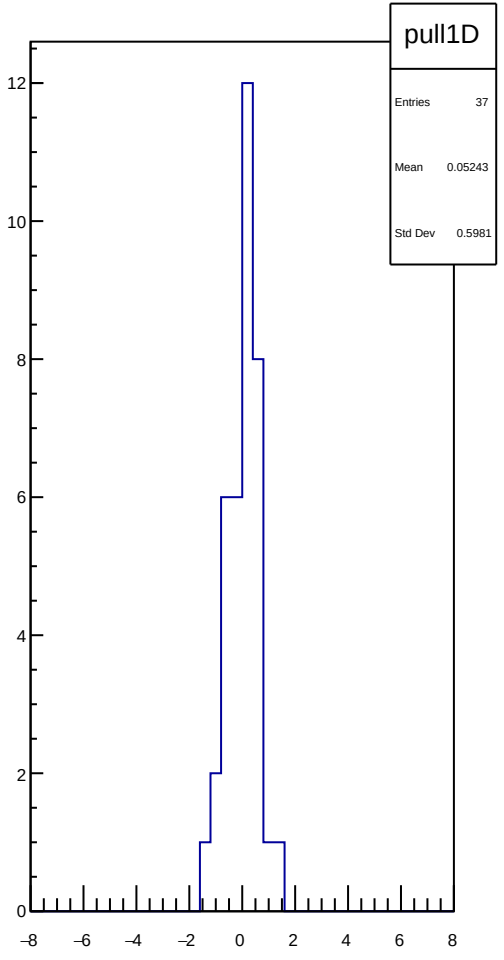

reg_asym_atr_avg_diff_bpm12X_slope vs run
χ² / ndf 18.73 / 36
p0 −151.7 ± 0.6031
−145
−150
−155
−160
−165
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −5430
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.000173
Std Dev 0.7114
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

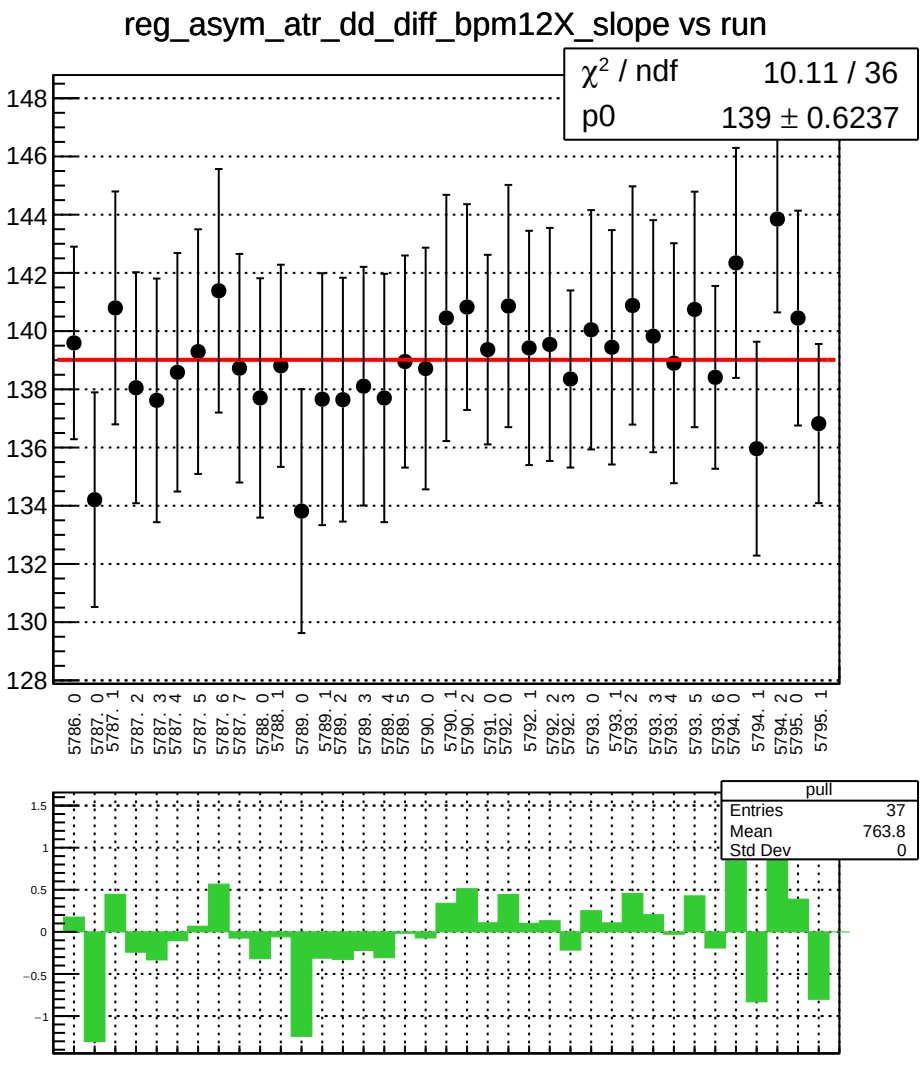

reg_asym_atr_dd_diff_bpm1X_slope vs run
χ² / ndf 15.6 / 36
p0 213.5 ± 5.23
pull
Entries 37
Mean 120.9
Std Dev 0
pull1D
Entries 37
Mean 0.02882
Std Dev 0.6488

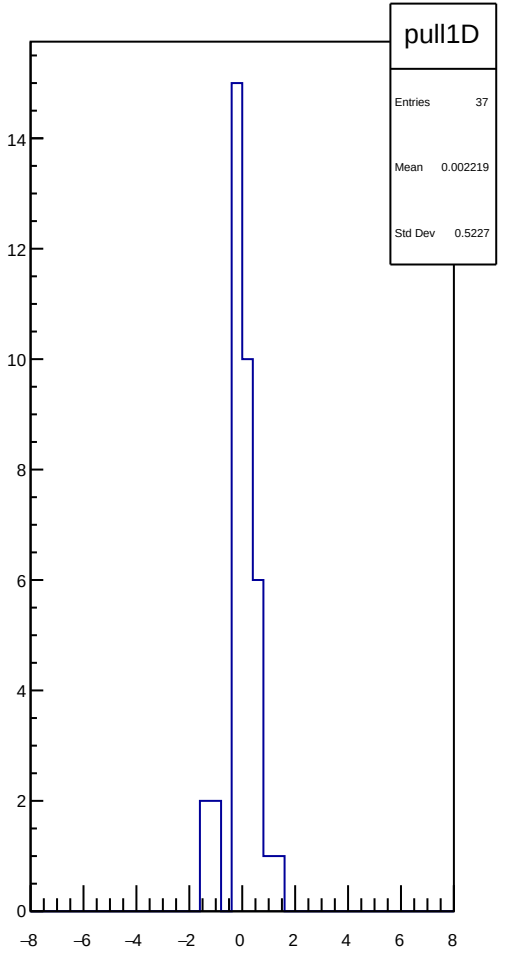

reg_asym_atr_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.35 / 36
p0 −10.73 ± 8.009
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 61.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.05278
Std Dev 0.5754
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

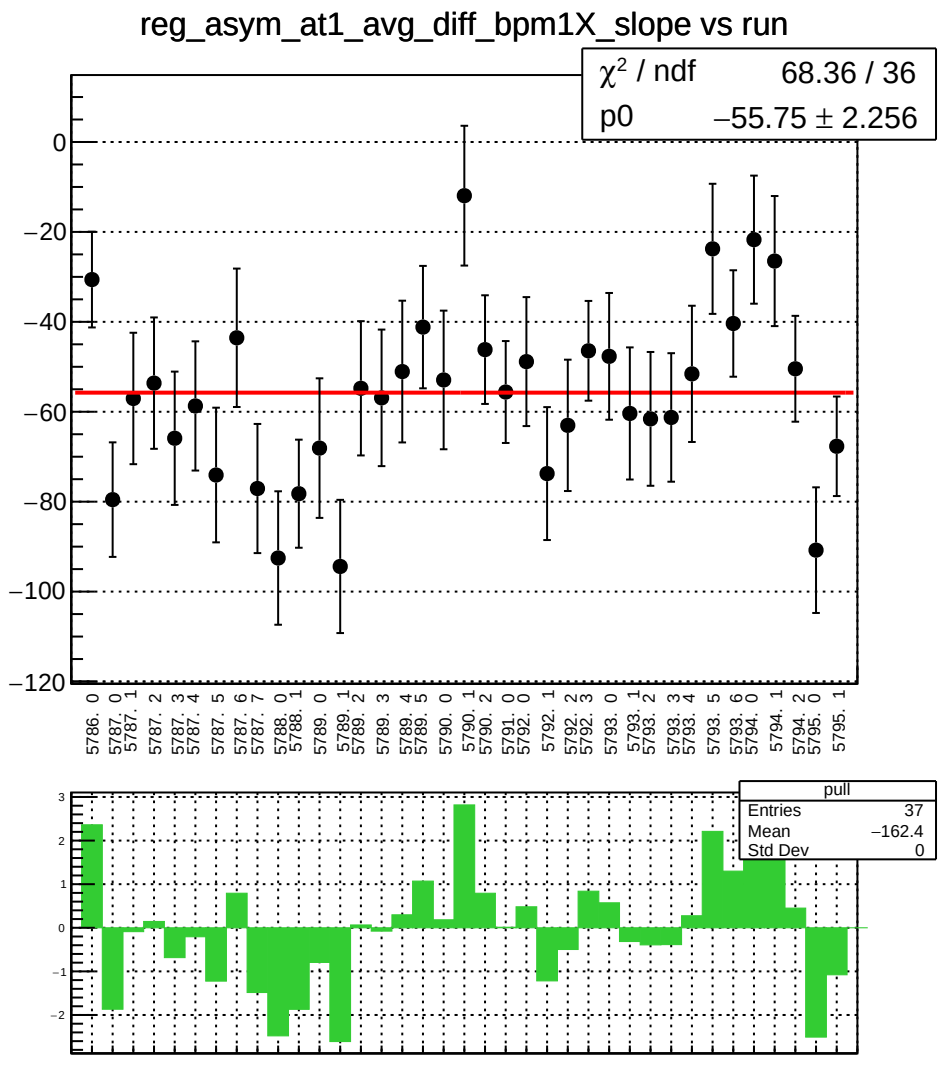

reg_asym_atr_dd_diff_bpm4eX_slope vs run
χ² / ndf 15.52 / 36
p0 −420.9 ± 7.494
−300
−350
−400
−450
−500
−550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 105.7
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.02993
Std Dev 0.6471
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

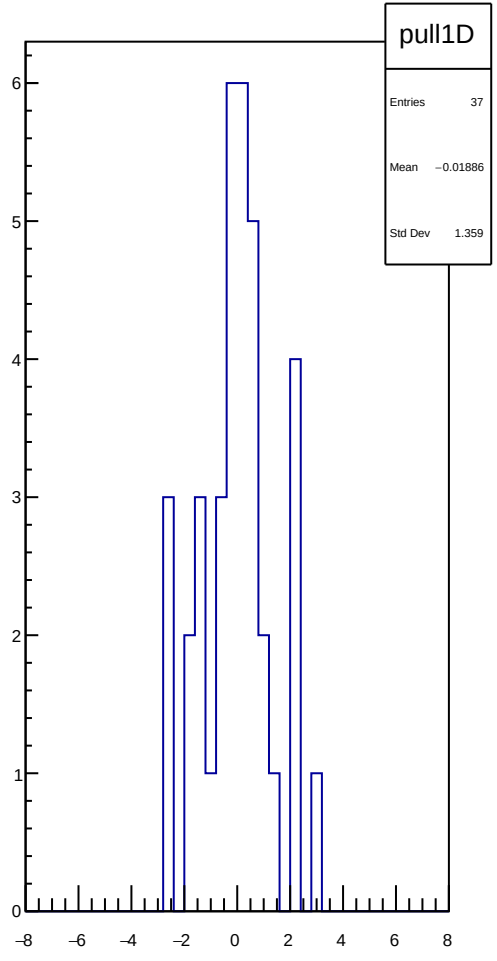

reg_asym_atr_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.34 / 36
p0 −64.31 ± 8.779
pull
Entries 37
Mean 66.96
Std Dev 0

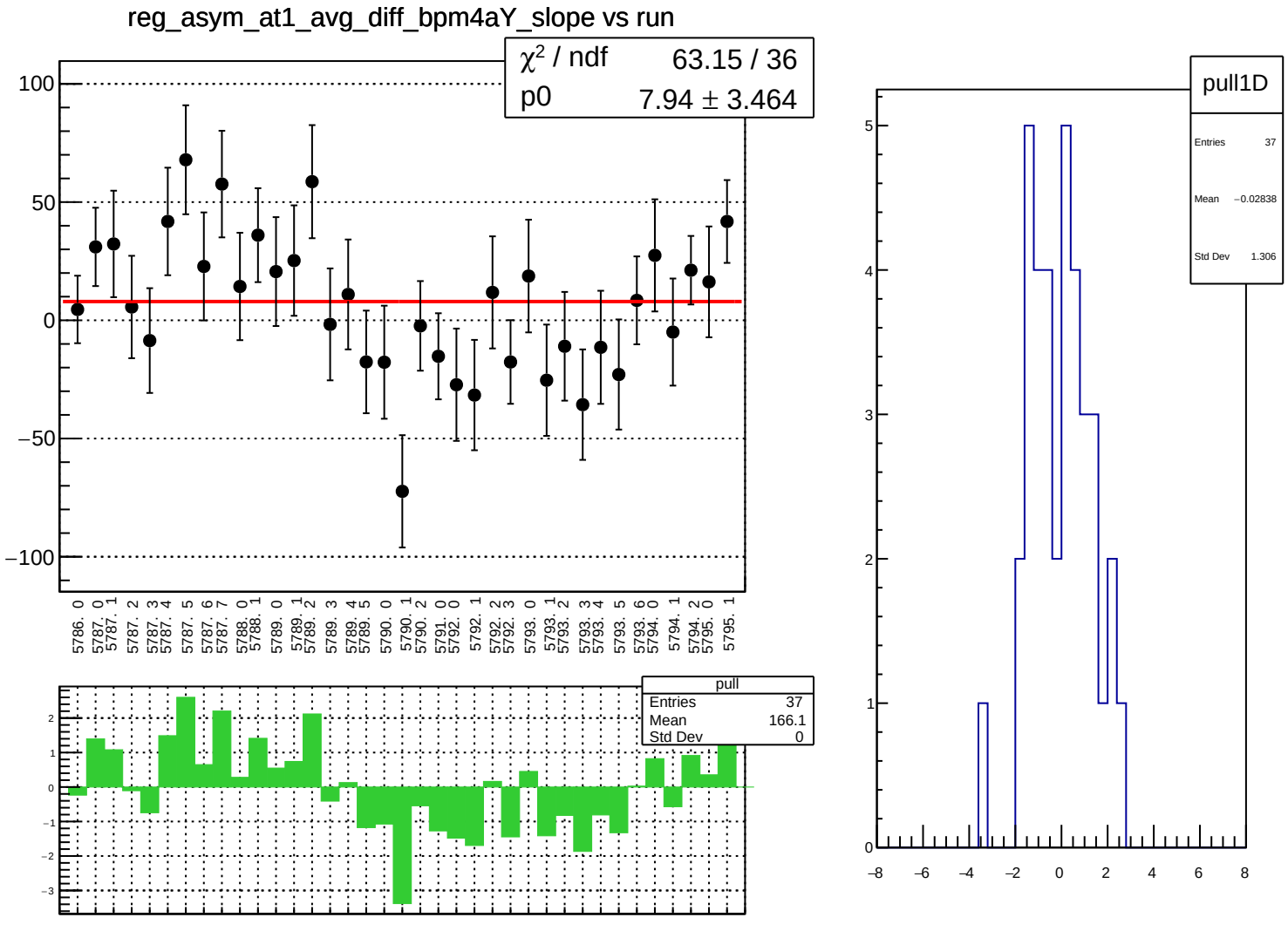

pull1D
Entries 37
Mean 0.05243
Std Dev 0.5981

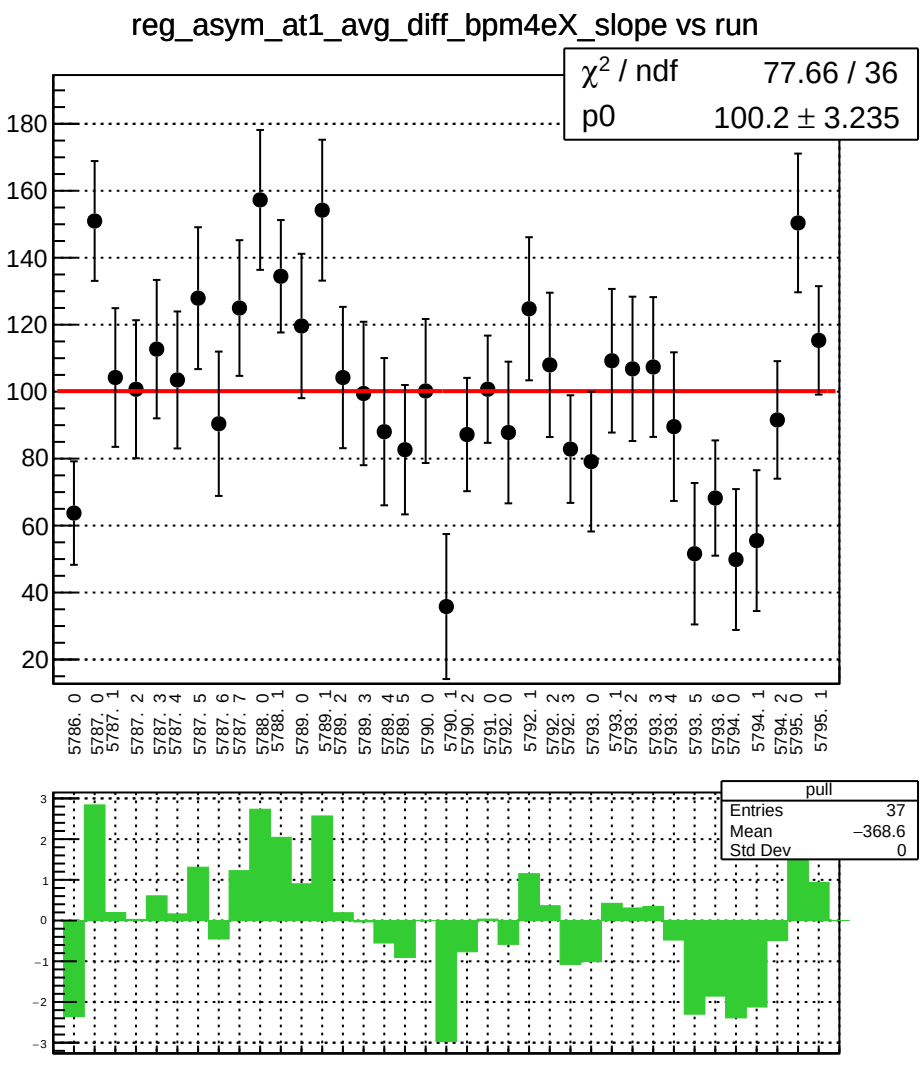

reg_asym_atr_dd_diff_bpm12X_slope vs run
χ² / ndf 10.11 / 36
p0 139 ± 0.6237
148
146
144
142
140
138
136
134
132
130
128
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 763.8
Std Dev 0
1.5
1
0.5
0
−0.5
−1

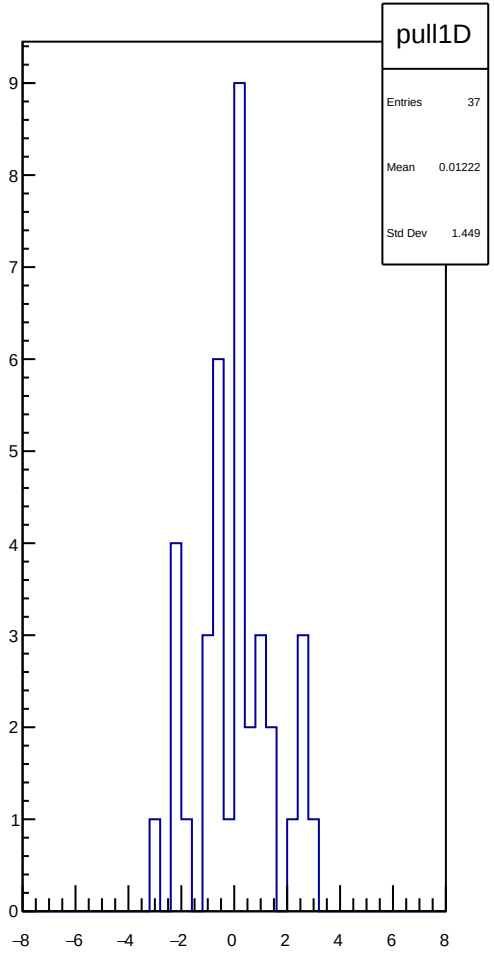

pull1D
Entries 37
Mean 0.002219
Std Dev 0.5227
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

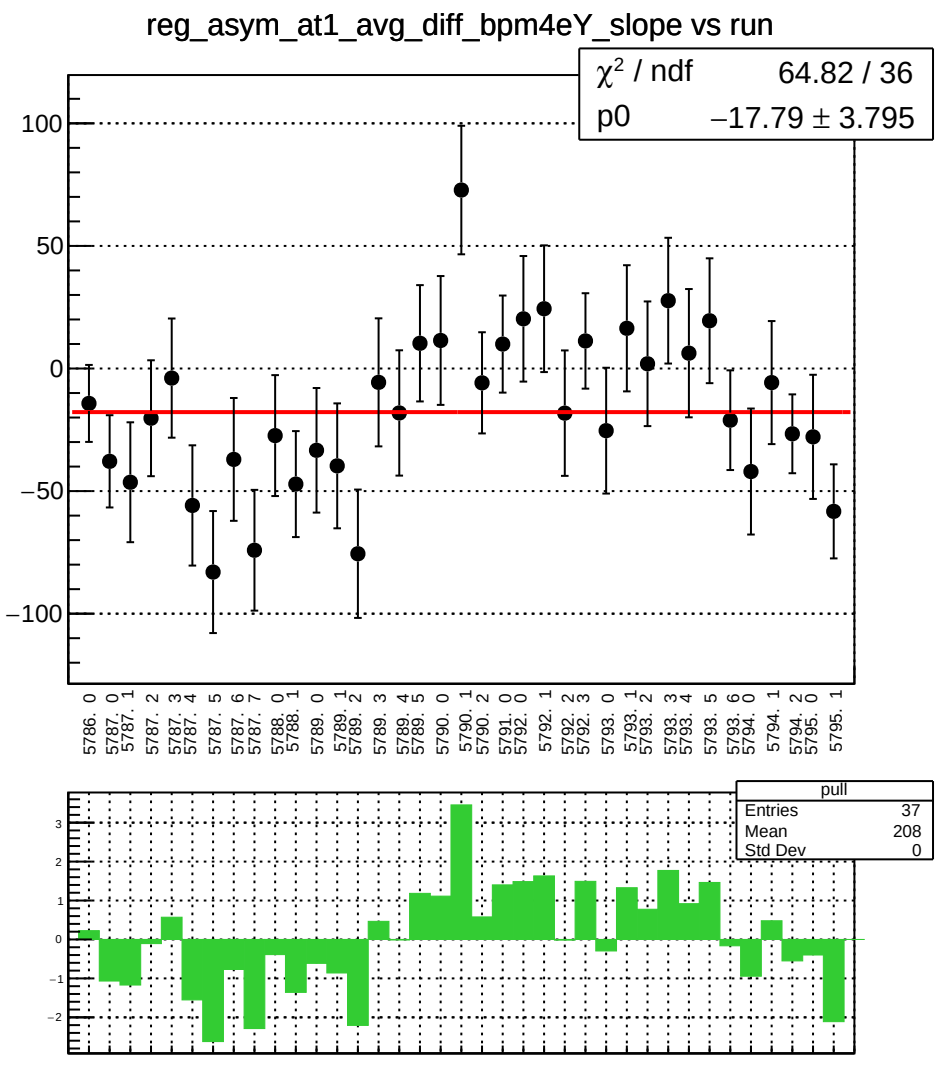

reg_asym_at1_avg_diff_bpm1X_slope vs run
χ² / ndf 68.36 / 36
p0 −55.75 ± 2.256
pull
Entries 37
Mean −162.4
Std Dev 0

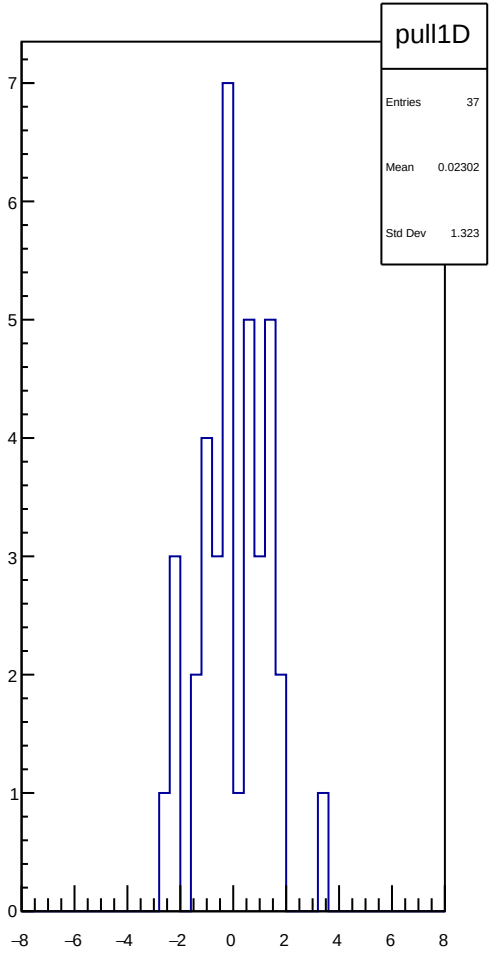

pull1D
Entries 37
Mean −0.01886
Std Dev 1.359

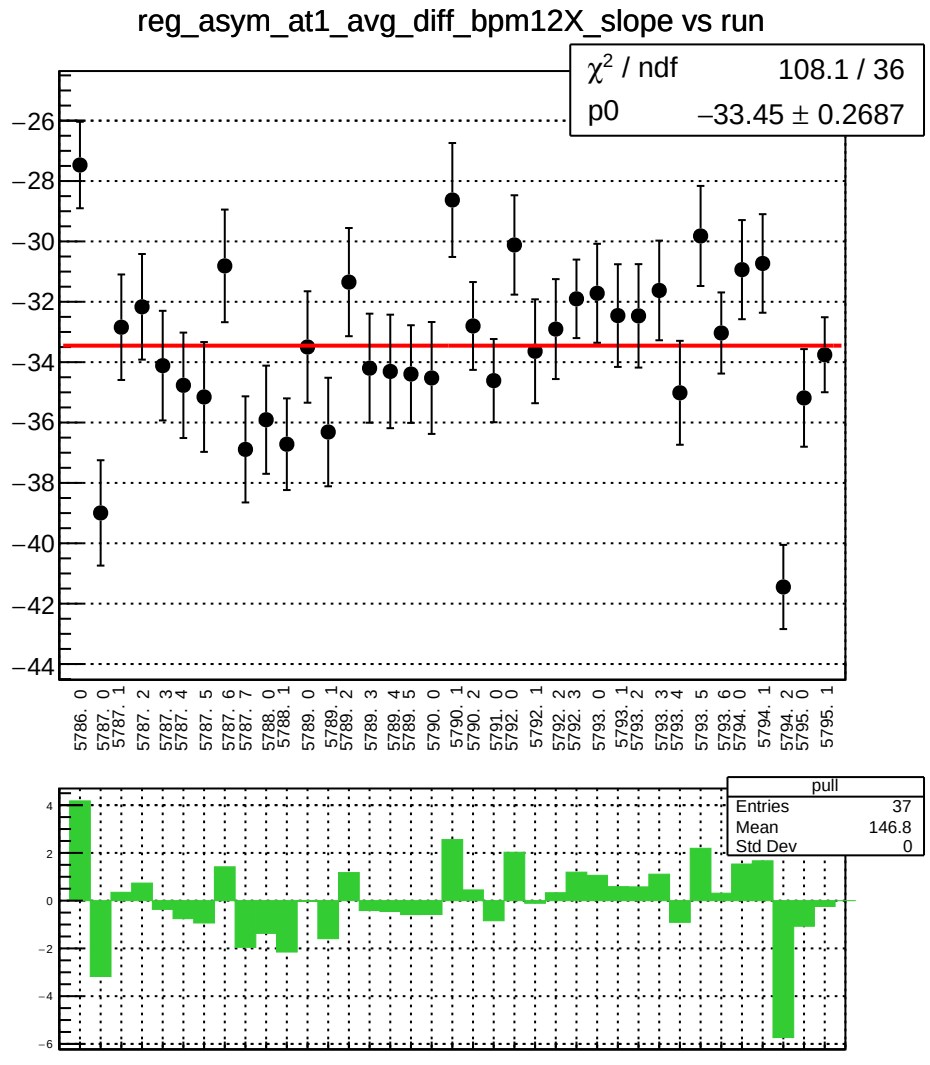

reg_asym_at1_avg_diff_bpm4aY_slope vs run
χ² / ndf 63.15 / 36
p0 7.94 ± 3.464
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 166.1
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.02838
Std Dev 1.306
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

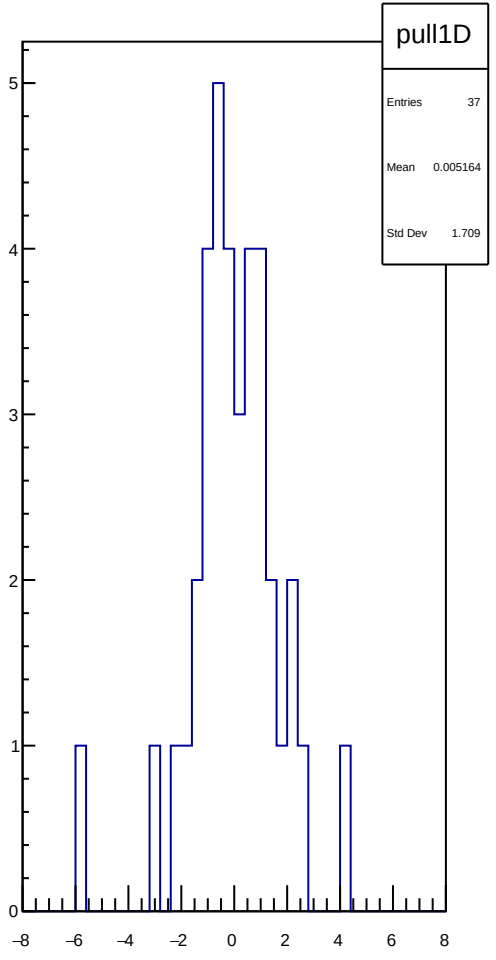

reg_asym_at1_avg_diff_bpm4eX_slope vs run
χ² / ndf 77.66 / 36
p0 100.2 ± 3.235
180
160
140
120
100
80
60
40
20
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −368.6
Std Dev 0
3
2
1
0
−1
−2
−3

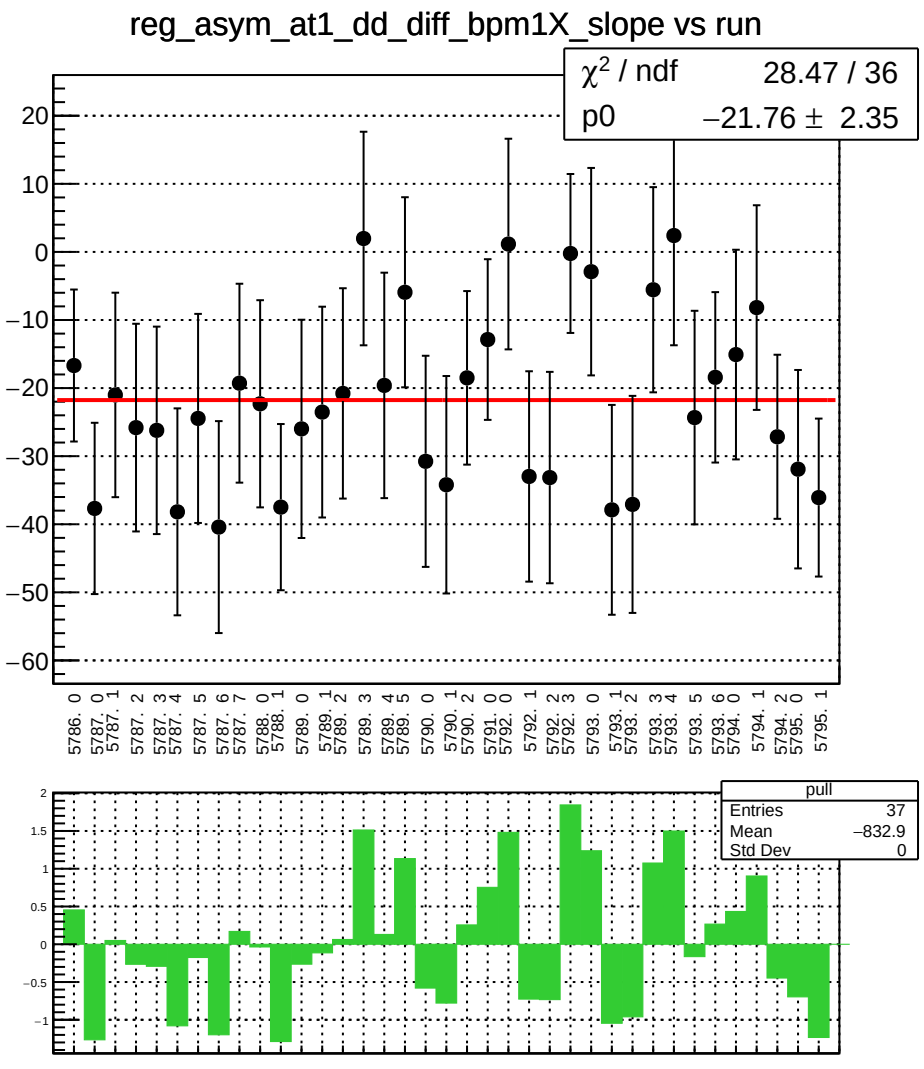

pull1D
Entries 37
Mean 0.01222
Std Dev 1.449
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

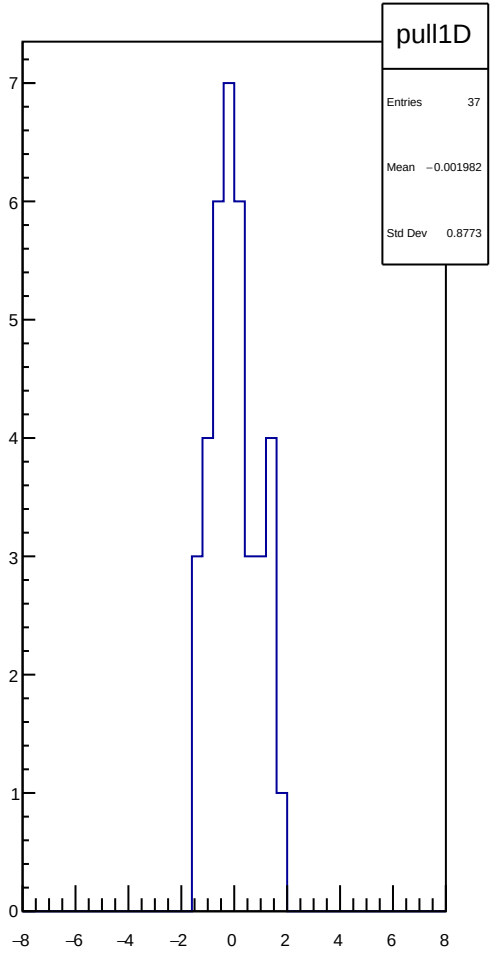

reg_asym_at1_avg_diff_bpm4eY_slope vs run
χ² / ndf 64.82 / 36
p0 −17.79 ± 3.795
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 208
Std Dev 0
3
2
1
0
−1
−2

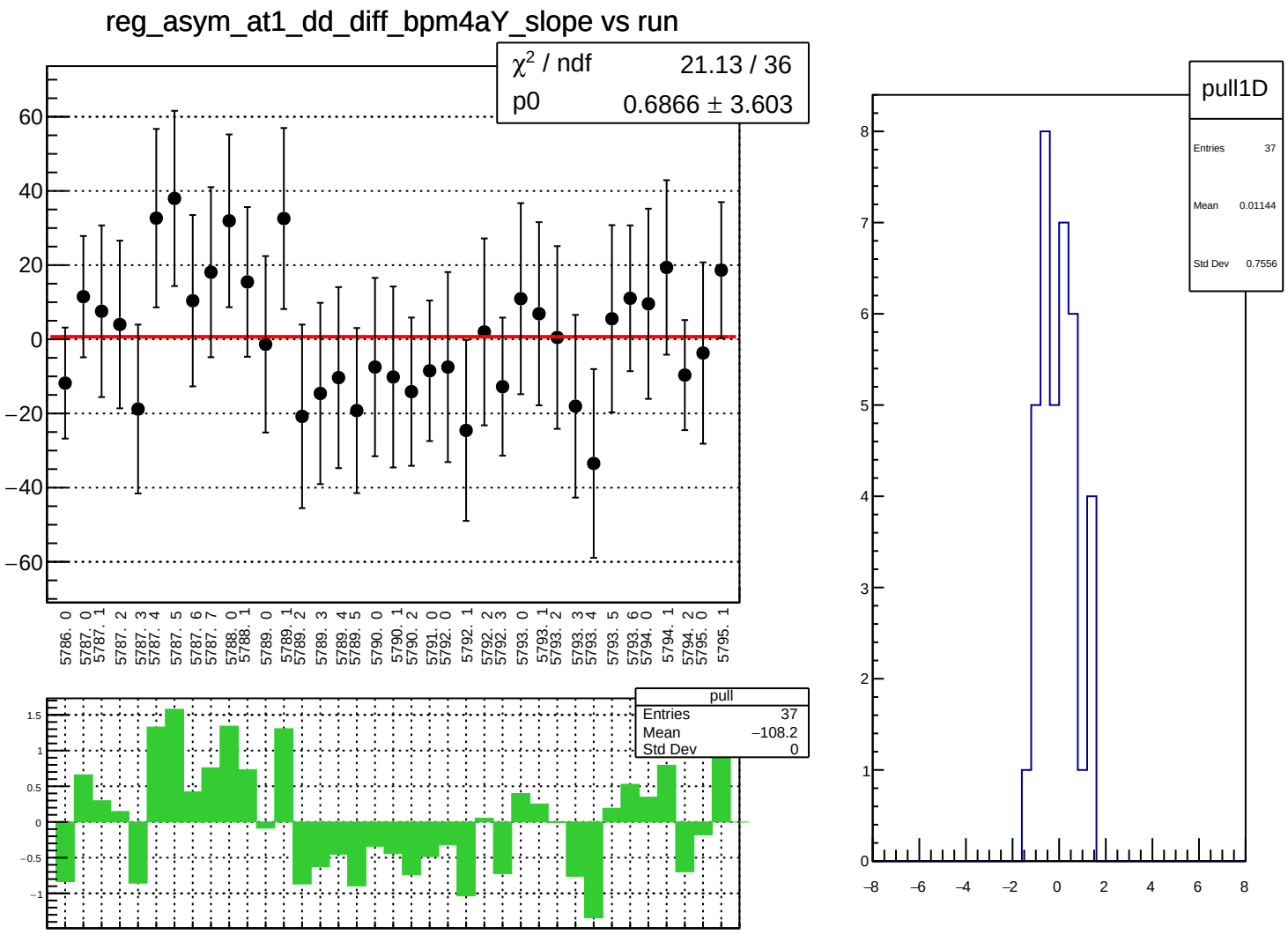

pull1D
Entries 37
Mean 0.02302
Std Dev 1.323
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

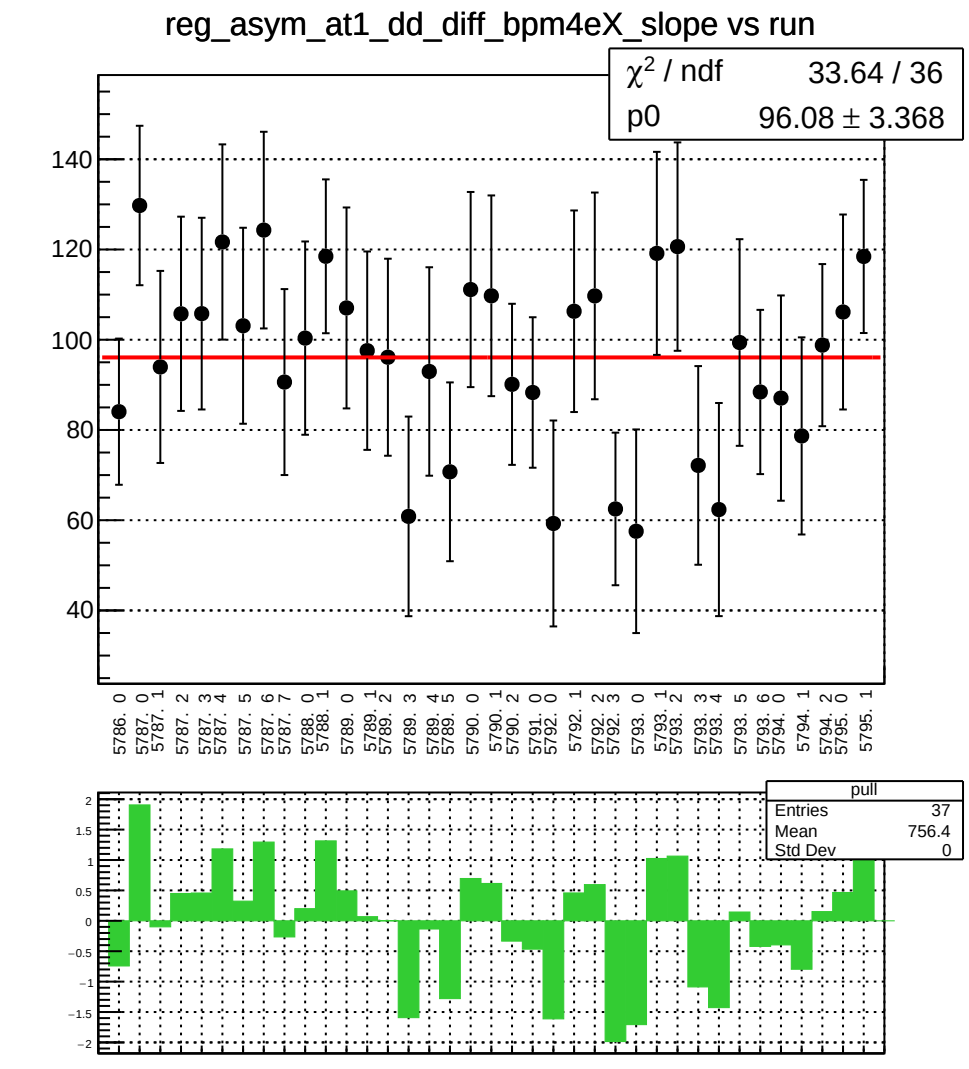

reg_asym_at1_avg_diff_bpm12X_slope vs run
χ² / ndf 108.1 / 36
p0 −33.45 ± 0.2687
pull
Entries 37
Mean 146.8
Std Dev 0

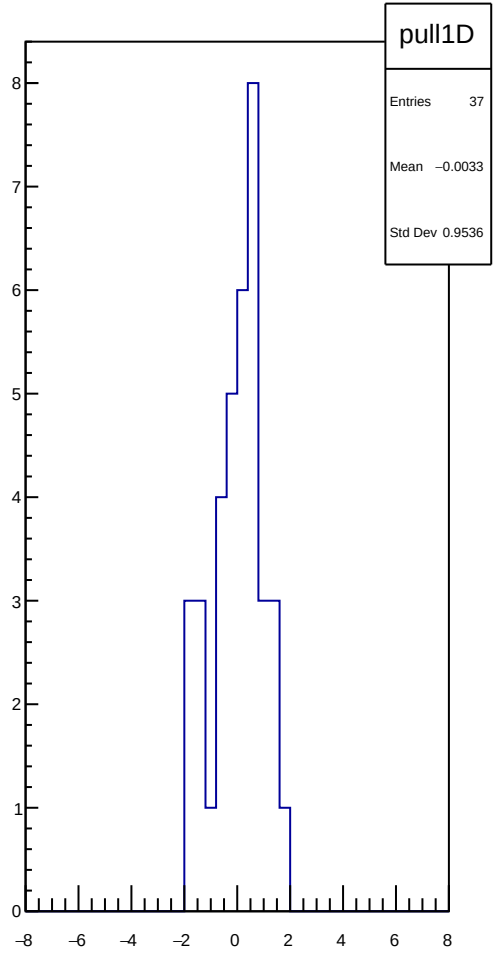

pull1D
Entries 37
Mean 0.005164
Std Dev 1.709

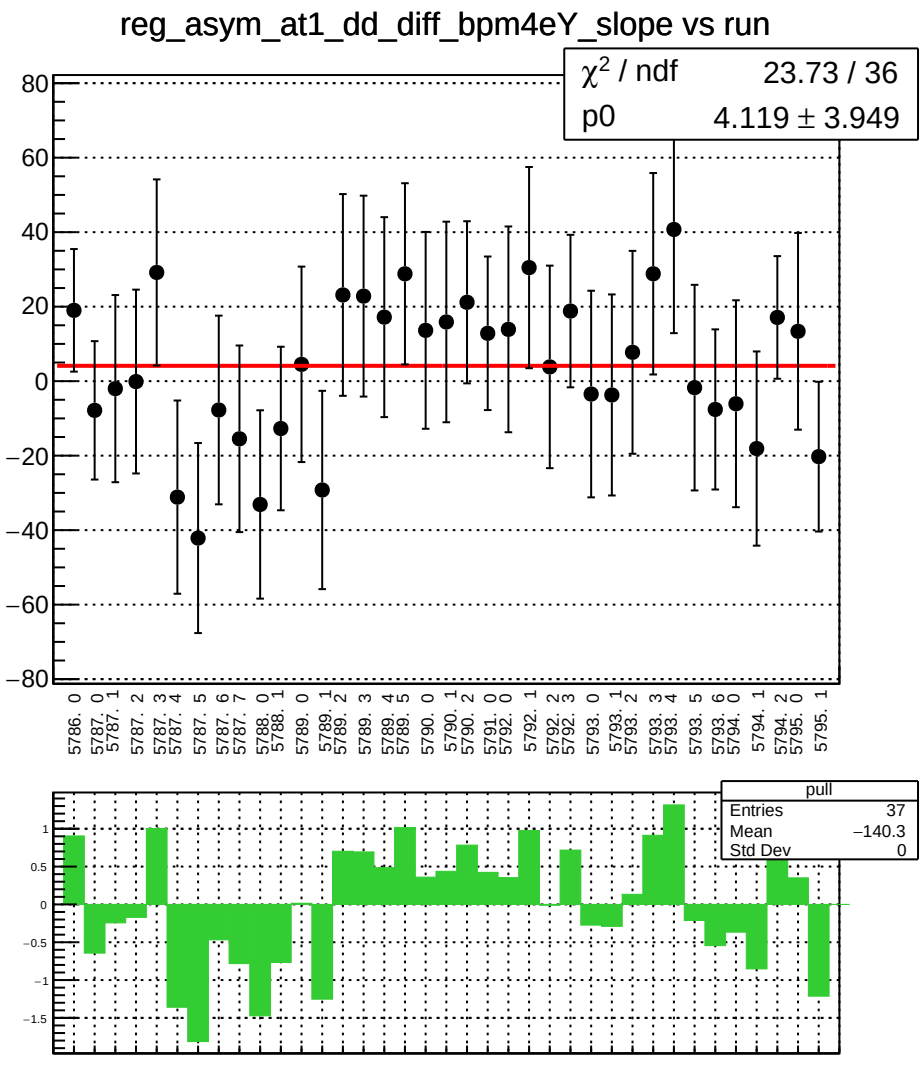

reg_asym_at1_dd_diff_bpm1X_slope vs run
χ² / ndf 28.47 / 36
p0 −21.76 ± 2.35
pull
Entries 37
Mean −832.9
Std Dev 0

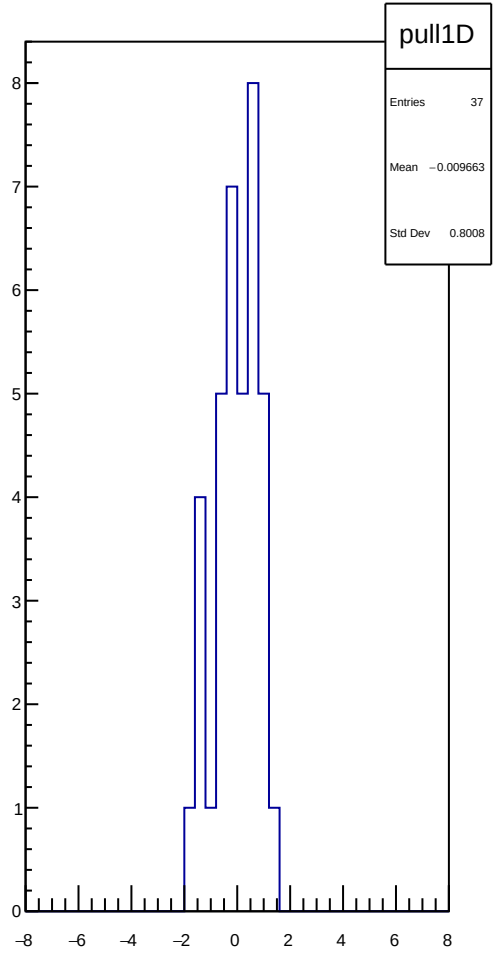

pull1D
Entries 37
Mean −0.001982
Std Dev 0.8773

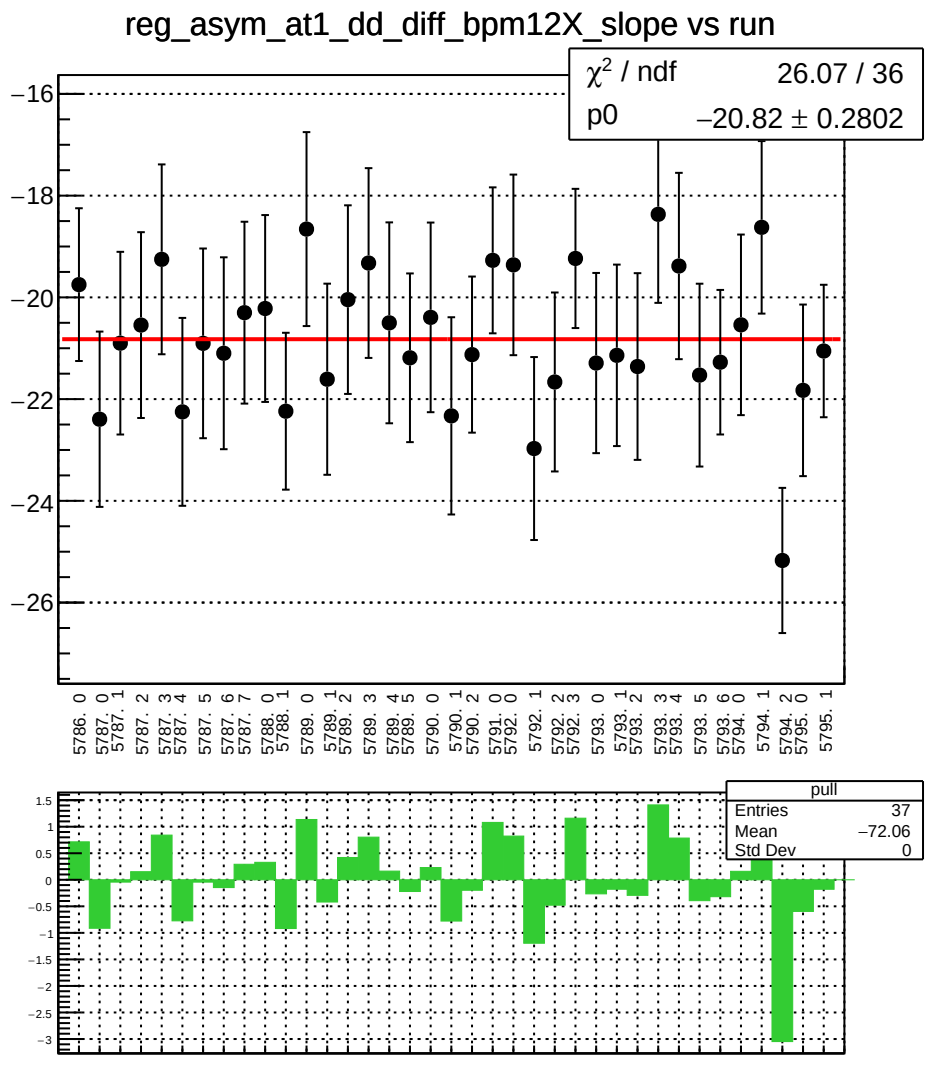

reg_asym_at1_dd_diff_bpm4aY_slope vs run
χ² / ndf 21.13 / 36
p0 0.6866 ± 3.603
pull
Entries 37
Mean −108.2
Std Dev 0
pull1D
Entries 37
Mean 0.01144
Std Dev 0.7556

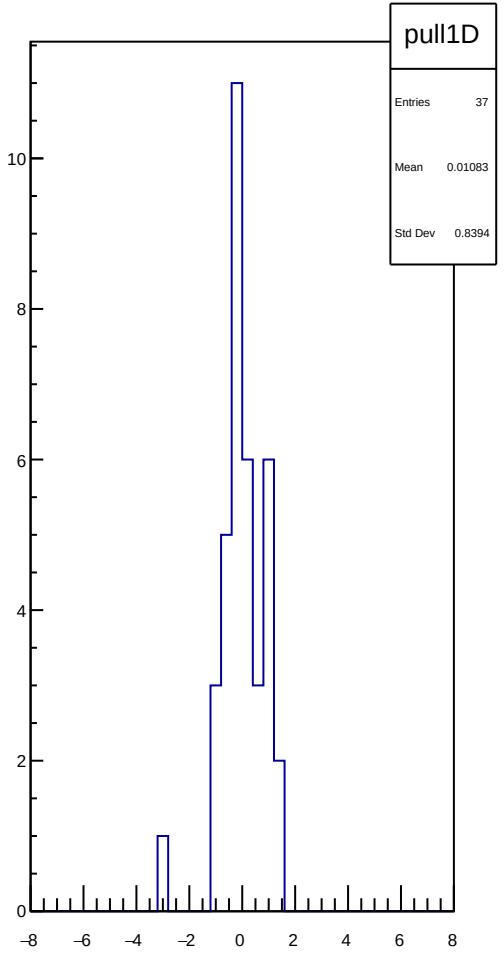

reg_asym_at1_dd_diff_bpm4eX_slope vs run
χ² / ndf 33.64 / 36
p0 96.08 ± 3.368
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 756.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

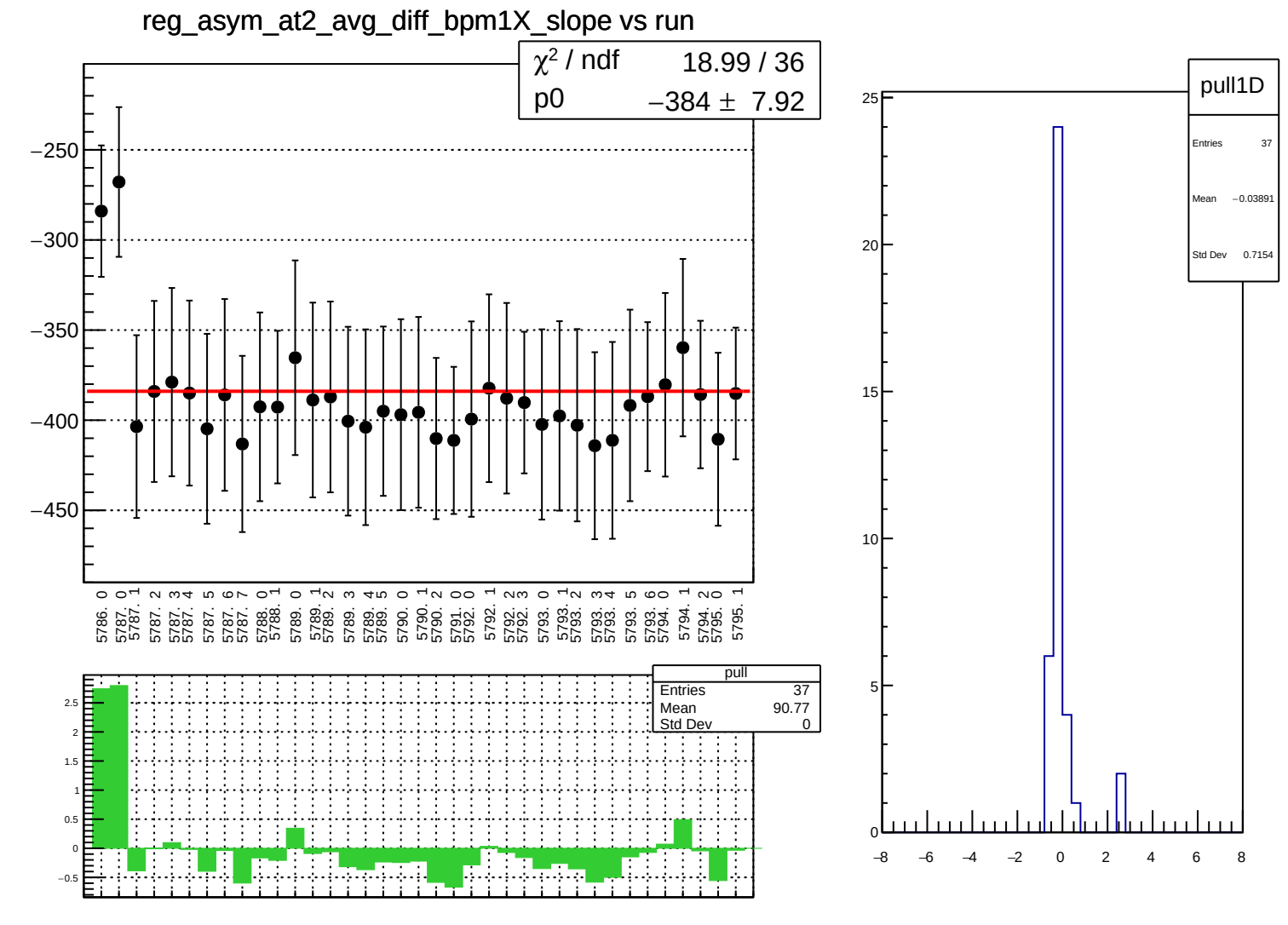

pull1D
Entries 37
Mean −0.0033
Std Dev 0.9536
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

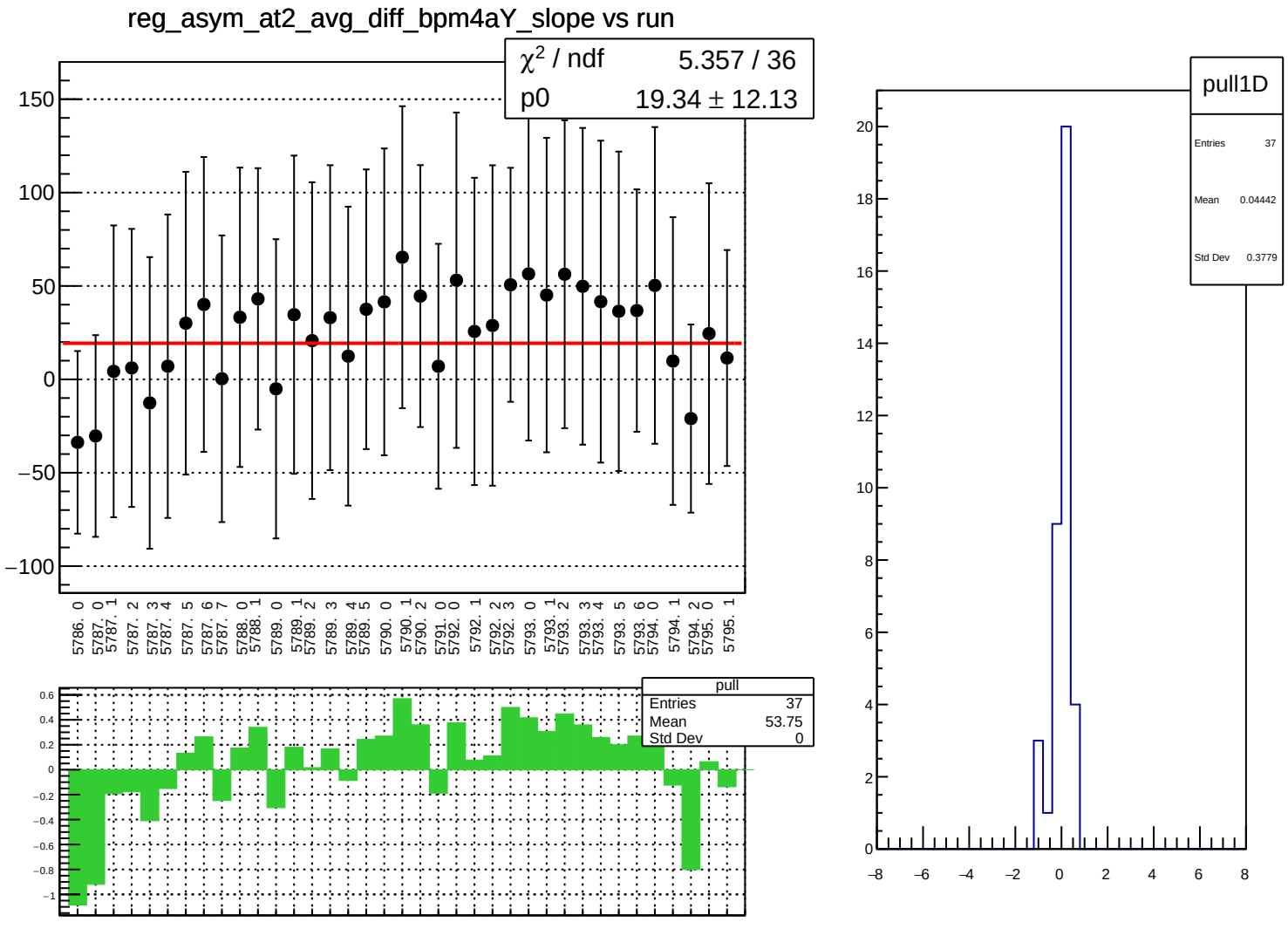

reg_asym_at1_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.73 / 36
p0 4.119 ± 3.949
pull
Entries 37
Mean −140.3
Std Dev 0

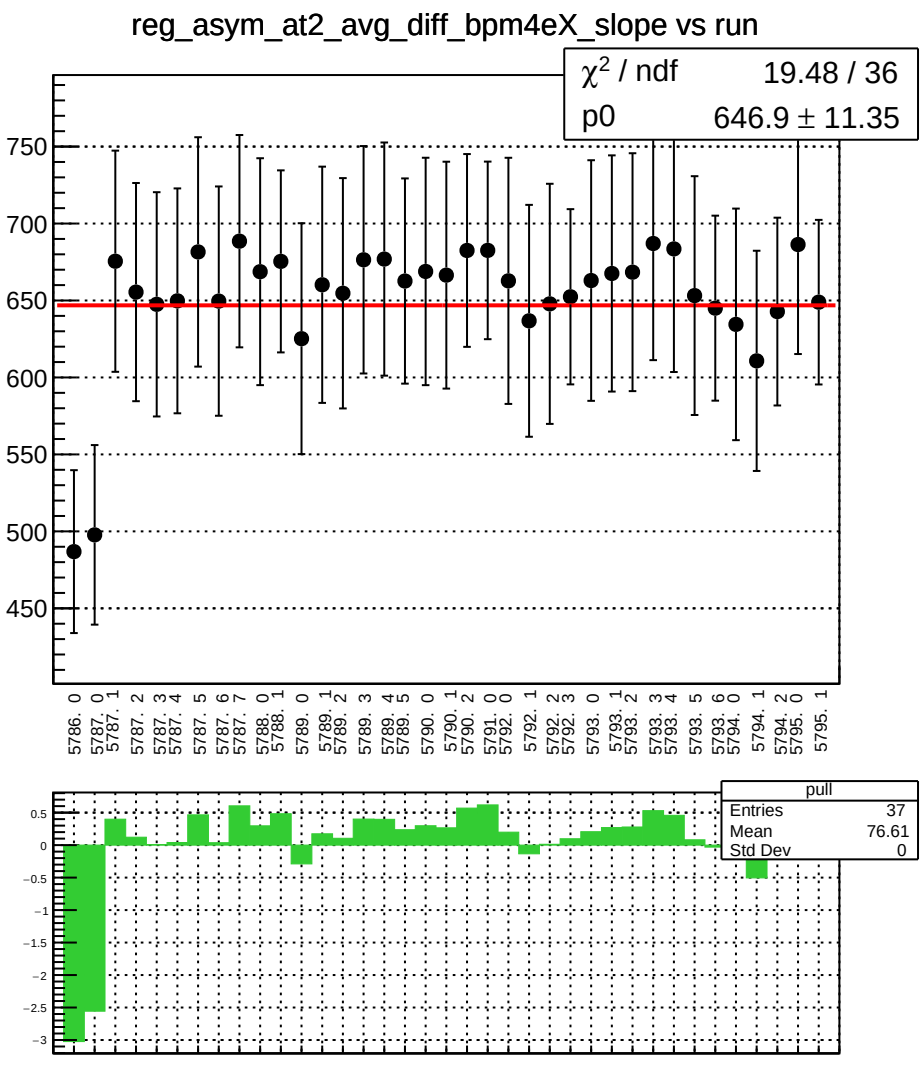

pull1D
Entries 37
Mean −0.009663
Std Dev 0.8008

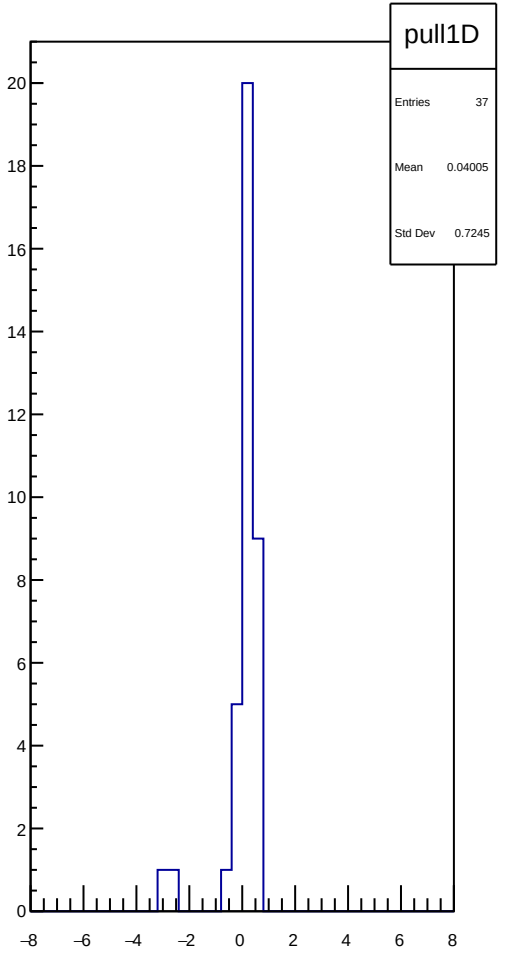

reg_asym_at1_dd_diff_bpm12X_slope vs run
χ² / ndf 26.07 / 36
p0 −20.82 ± 0.2802
pull
Entries 37
Mean −72.06
Std Dev 0

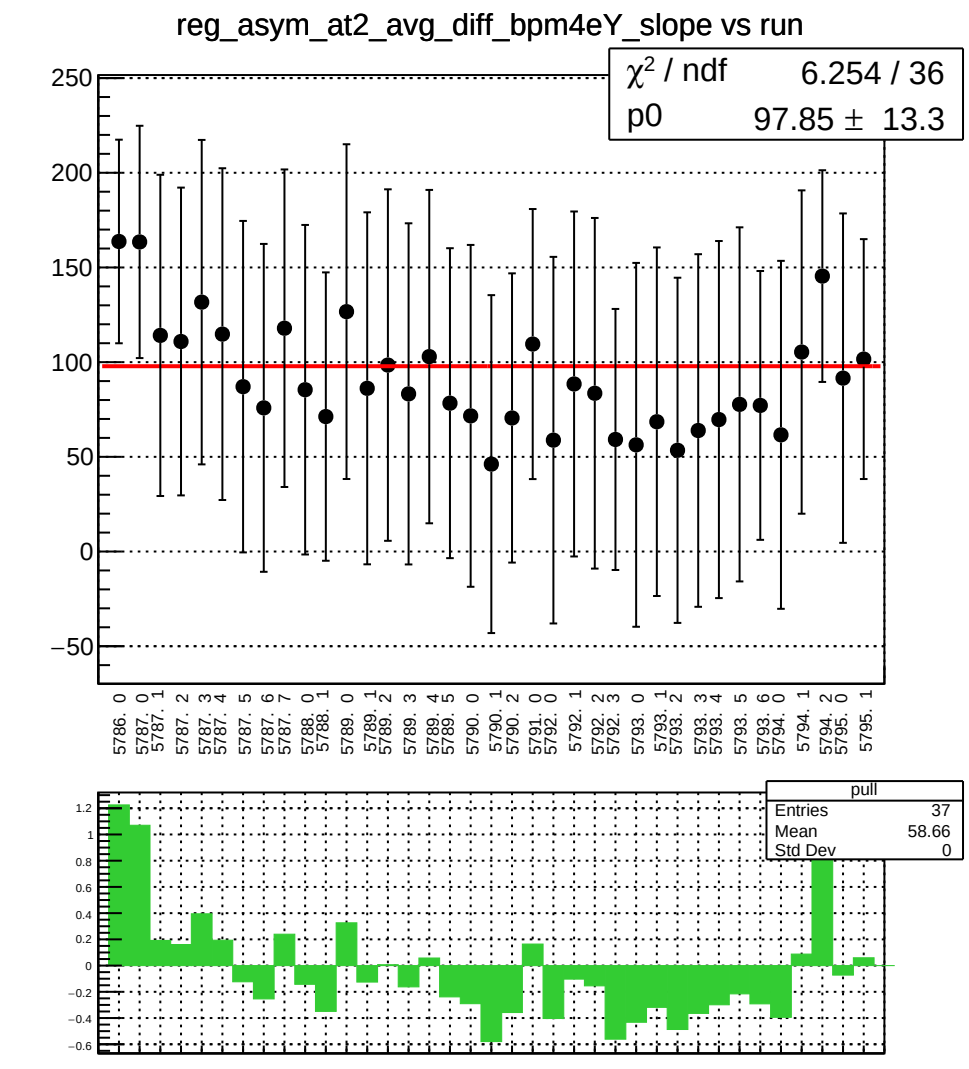

pull1D
Entries 37
Mean 0.01083
Std Dev 0.8394

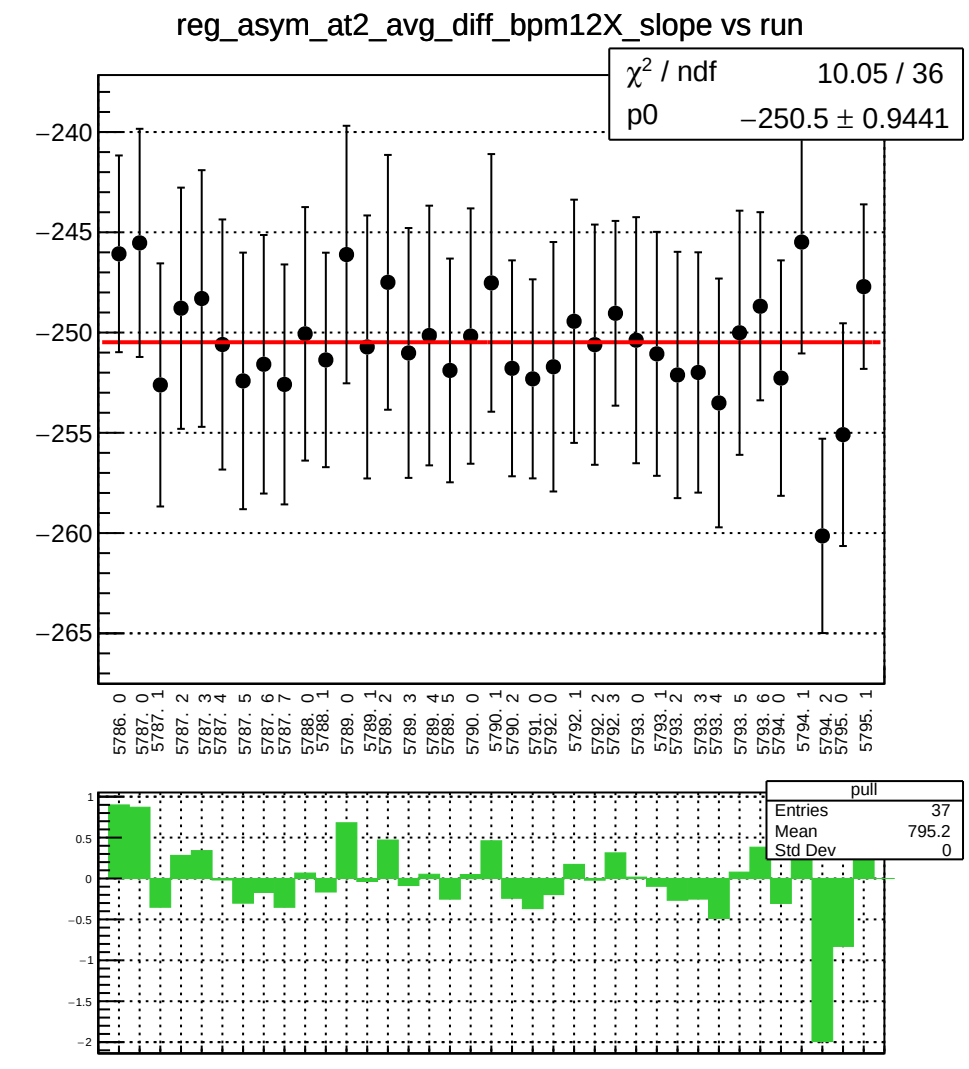

reg_asym_at2_avg_diff_bpm1X_slope vs run
χ² / ndf 18.99 / 36
p0 −384 ± 7.92
−250
−300
−350
−400
−450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 90.77
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.03891
Std Dev 0.7154
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

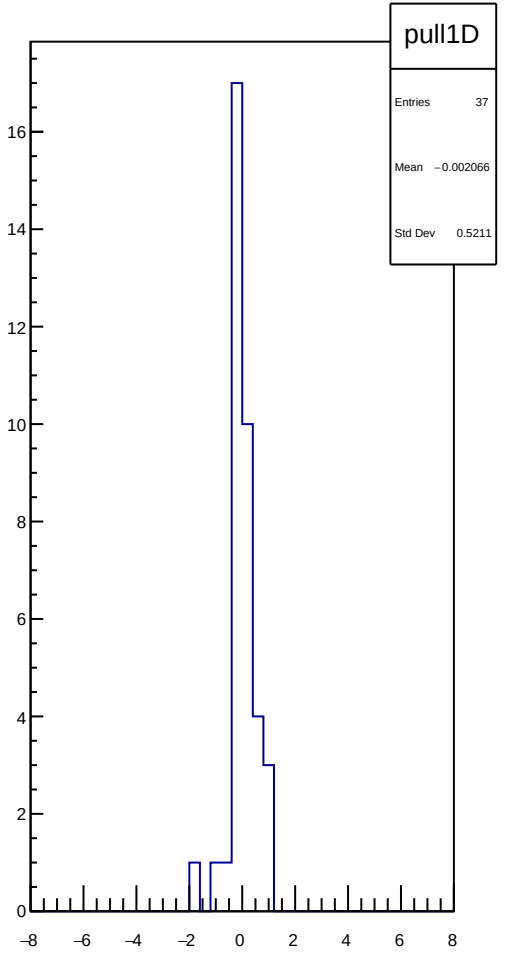

reg_asym_at2_avg_diff_bpm4aY_slope vs run
χ^2 / ndf 5.357 / 36
p0 19.34 ± 12.13
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.75
Std Dev 0
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.04442
Std Dev 0.3779
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

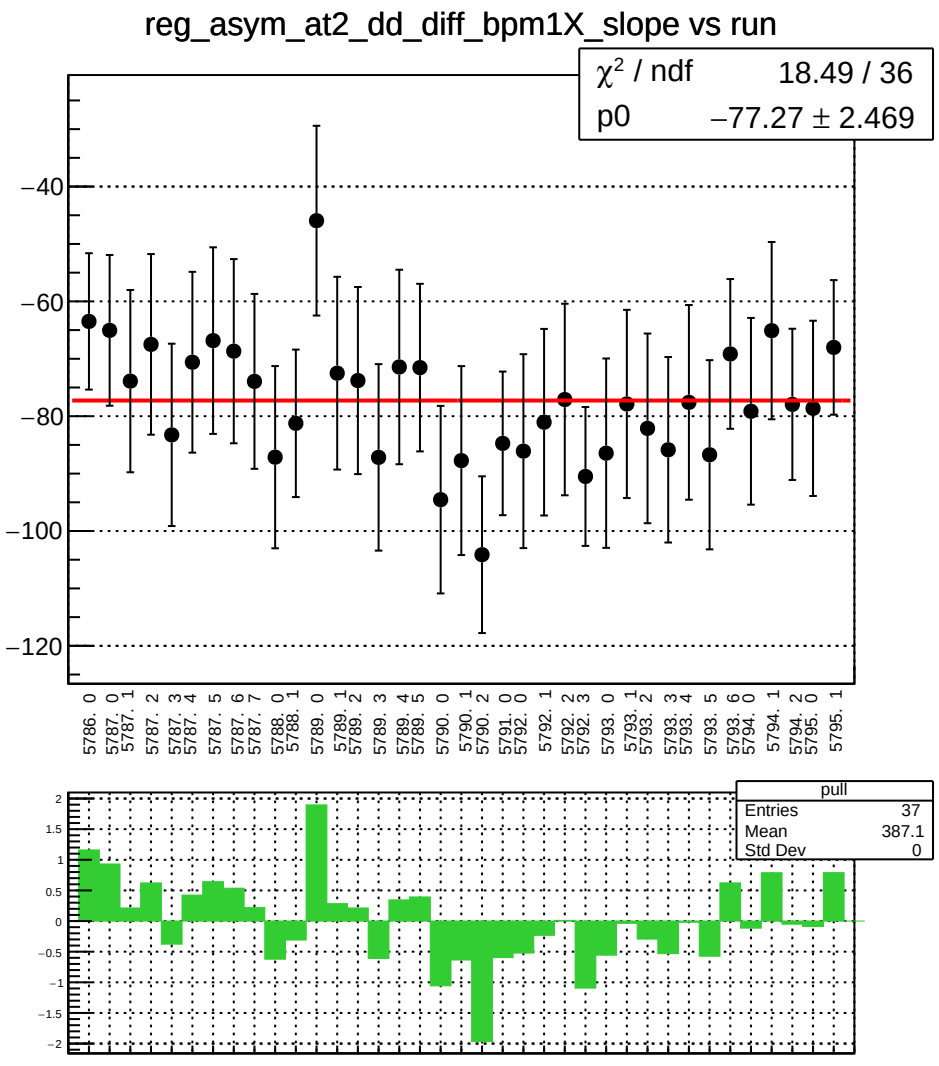

reg_asym_at2_avg_diff_bpm4eX_slope vs run
χ² / ndf 19.48 / 36
p0 646.9 ± 11.35
750
700
650
600
550
500
450
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 76.61
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

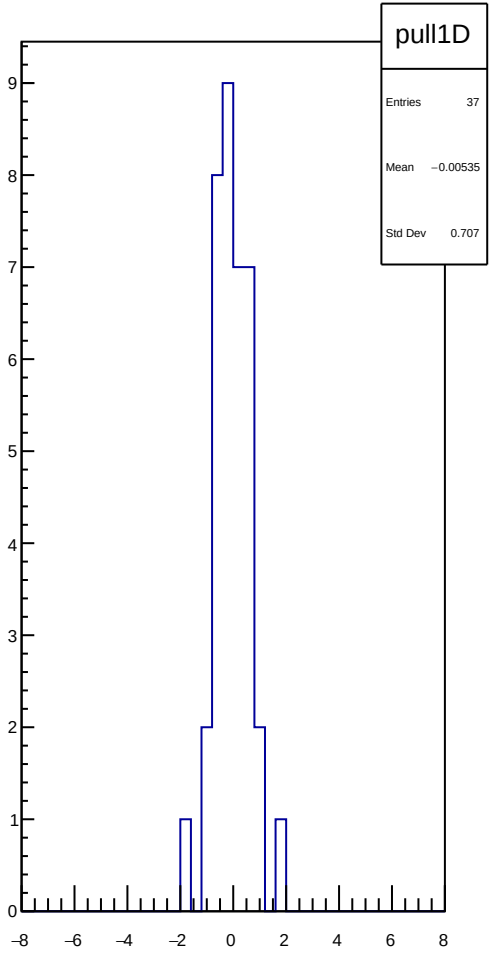

pull1D
Entries 37
Mean 0.04005
Std Dev 0.7245
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

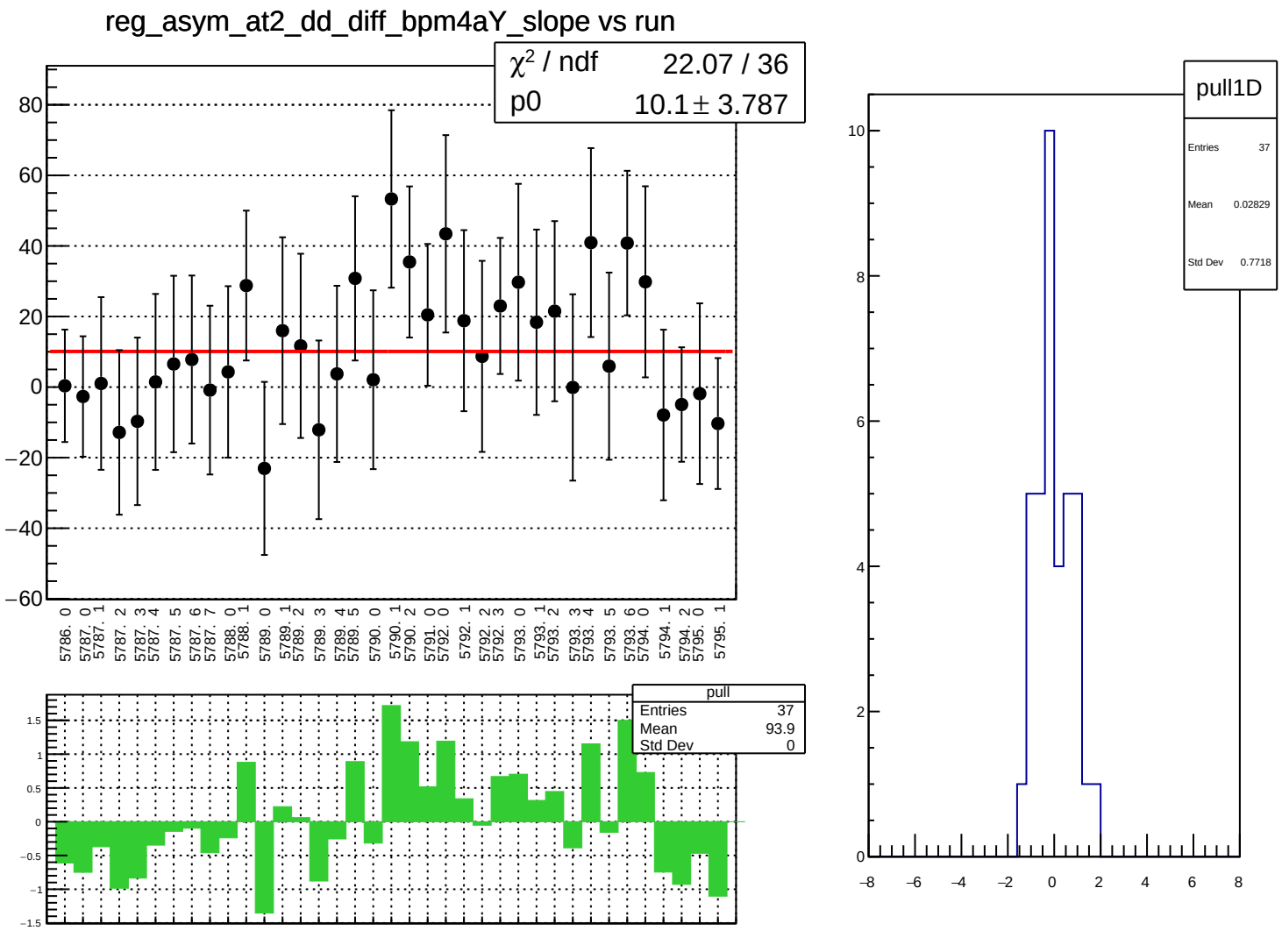

reg_asym_at2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.254 / 36
p0 97.85 ± 13.3
250
200
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 58.66
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
pull1D
Entries 37
Mean −0.04572
Std Dev 0.4086
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

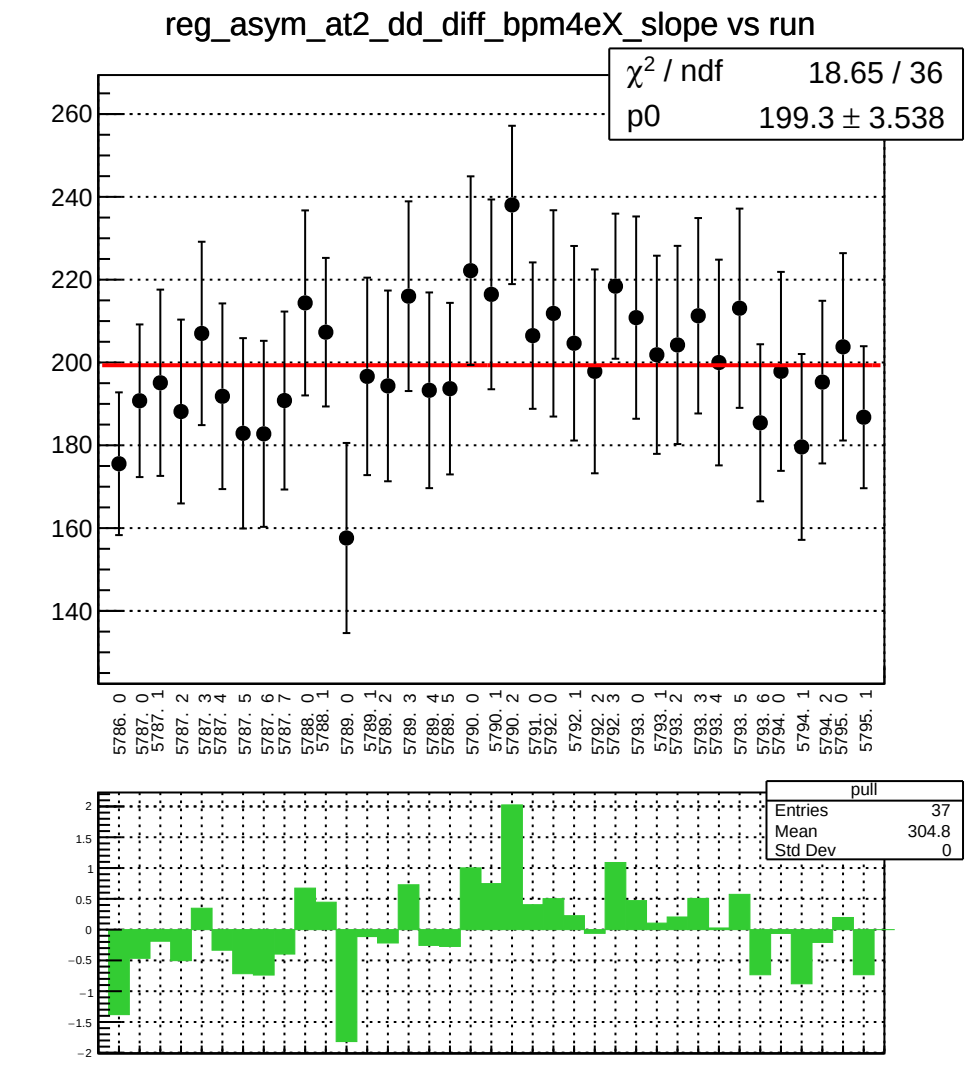

reg_asym_at2_avg_diff_bpm12X_slope vs run
χ² / ndf 10.05 / 36
p0 −250.5 ± 0.9441
−240
−245
−250
−255
−260
−265
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 795.2
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2

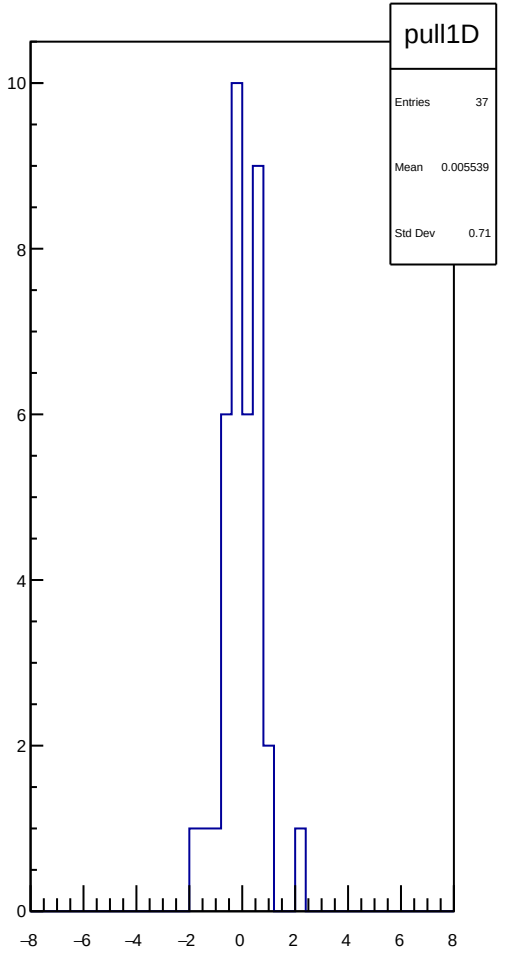

pull1D
Entries 37
Mean −0.002066
Std Dev 0.5211
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

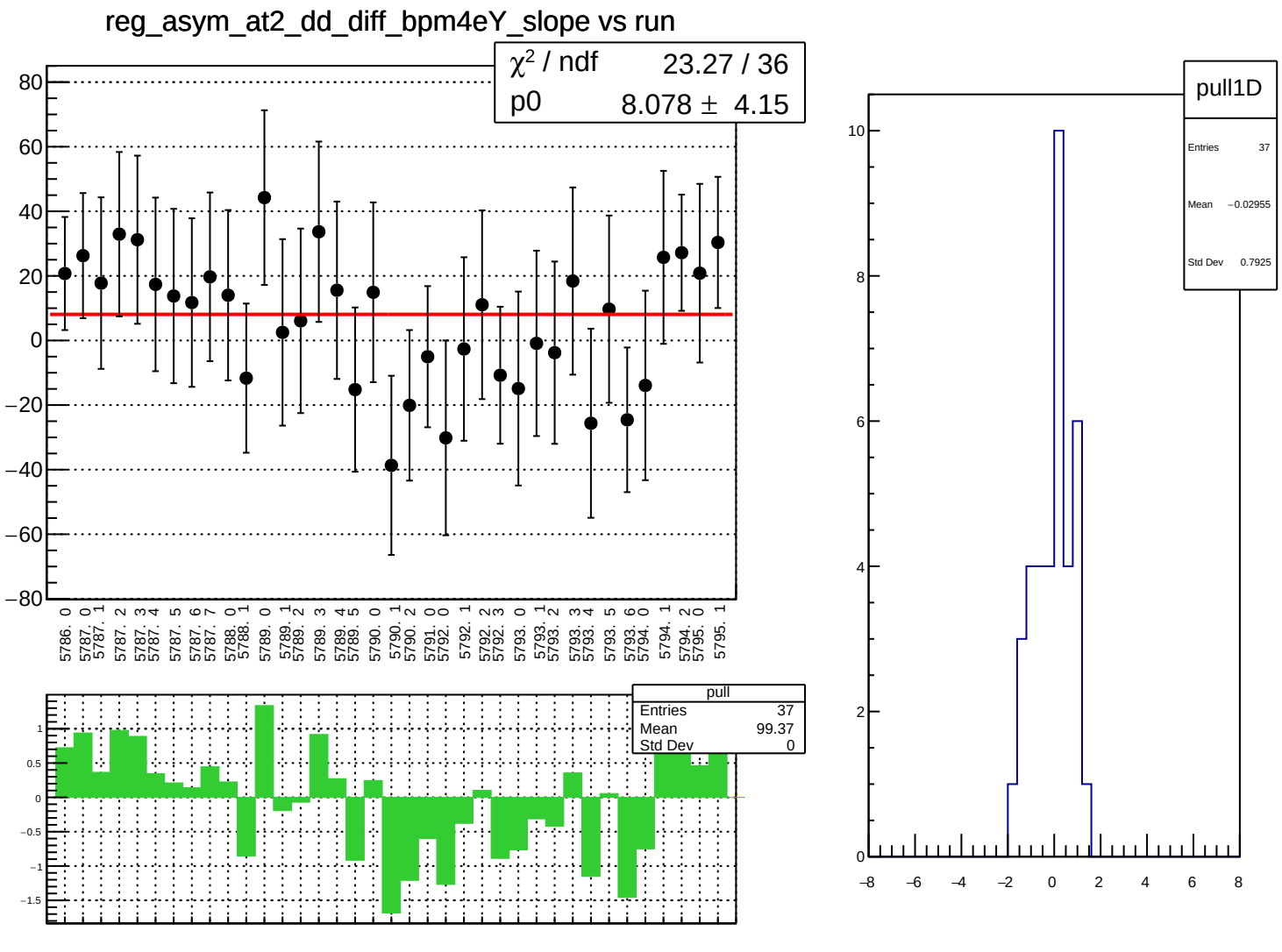

reg_asym_at2_dd_diff_bpm1X_slope vs run
χ² / ndf 18.49 / 36
p0 −77.27 ± 2.469
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 387.1
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

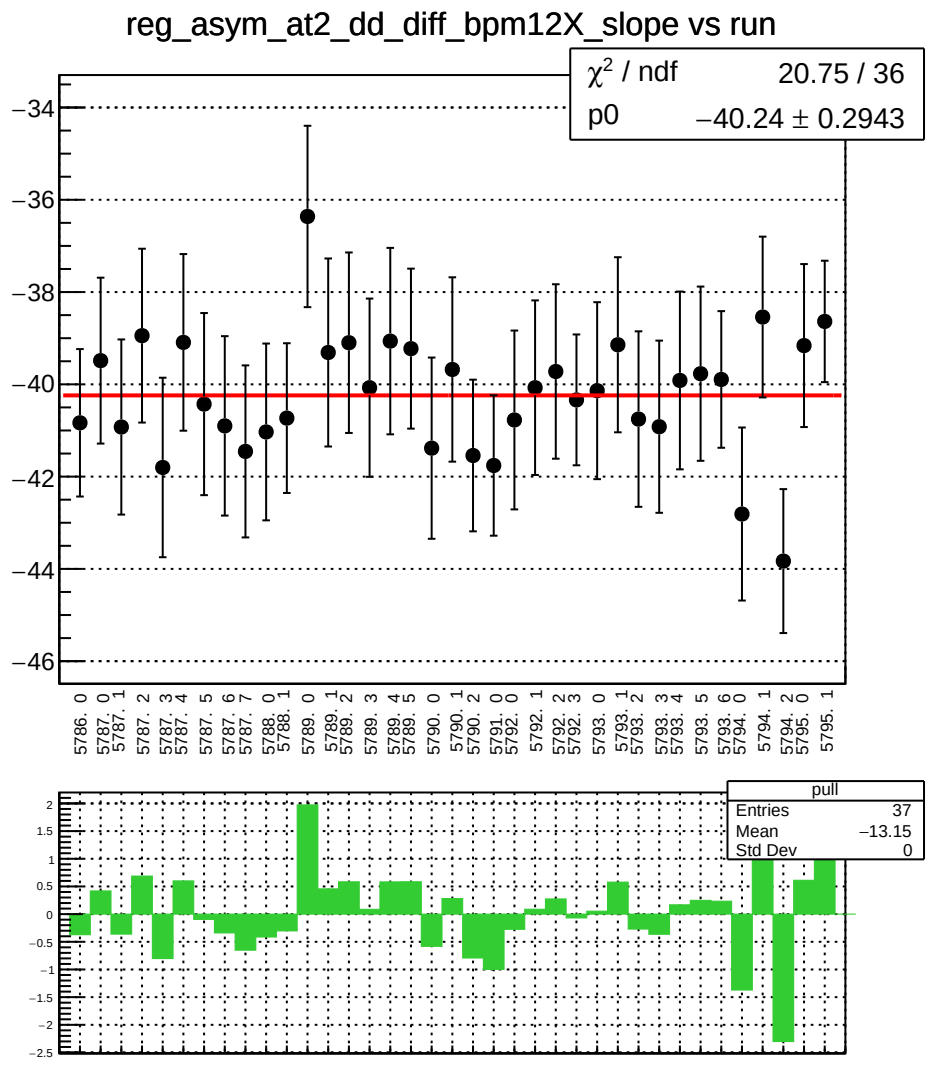

pull1D
Entries 37
Mean −0.00535
Std Dev 0.707
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

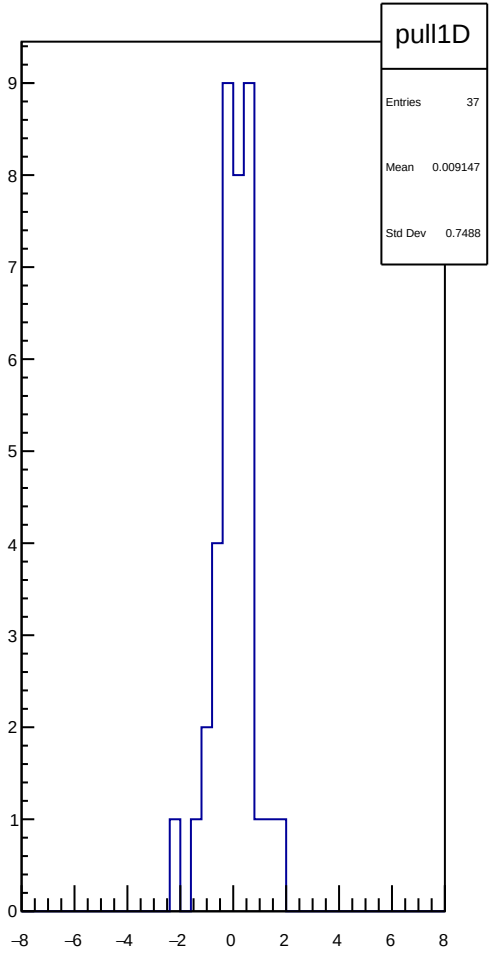

reg_asym_at2_dd_diff_bpm4aY_slope vs run
χ² / ndf 22.07 / 36
p0 10.1 ± 3.787
pull
Entries 37
Mean 93.9
Std Dev 0
pull1D
Entries 37
Mean 0.02829
Std Dev 0.7718

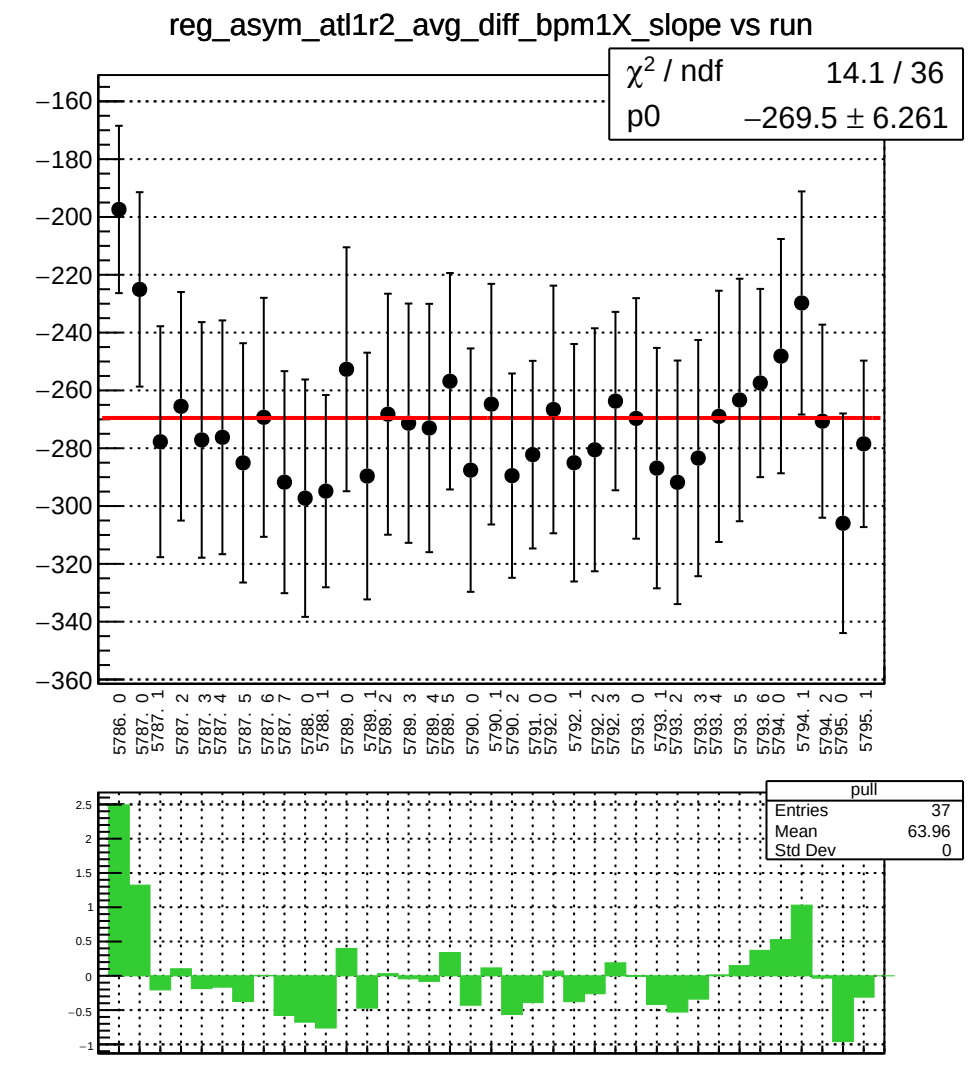

reg_asym_at2_dd_diff_bpm4eX_slope vs run
χ² / ndf 18.65 / 36
p0 199.3 ± 3.538
260
240
220
200
180
160
140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 304.8
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

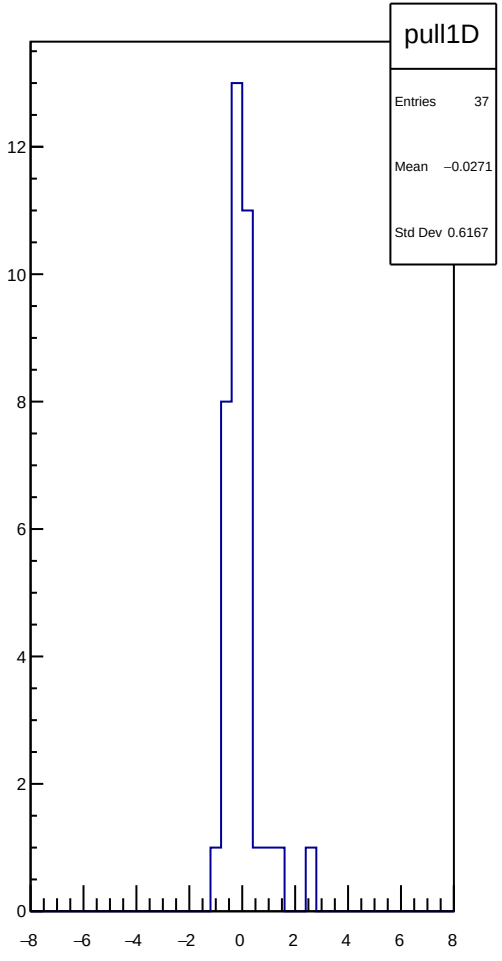

pull1D
Entries 37
Mean 0.005539
Std Dev 0.71
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

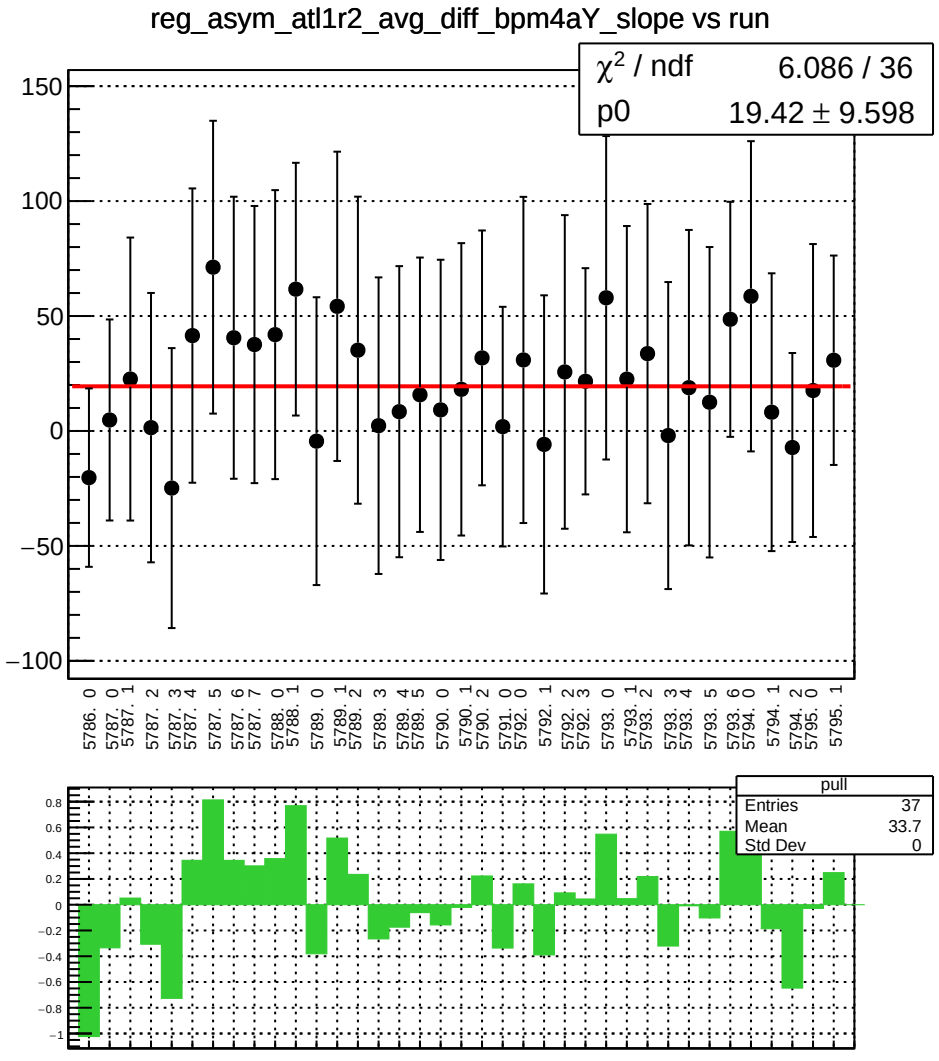

reg_asym_at2_dd_diff_bpm4eY_slope vs run
χ² / ndf 23.27 / 36
p0 8.078 ± 4.15
pull
Entries 37
Mean 99.37
Std Dev 0
pull1D
Entries 37
Mean −0.02955
Std Dev 0.7925

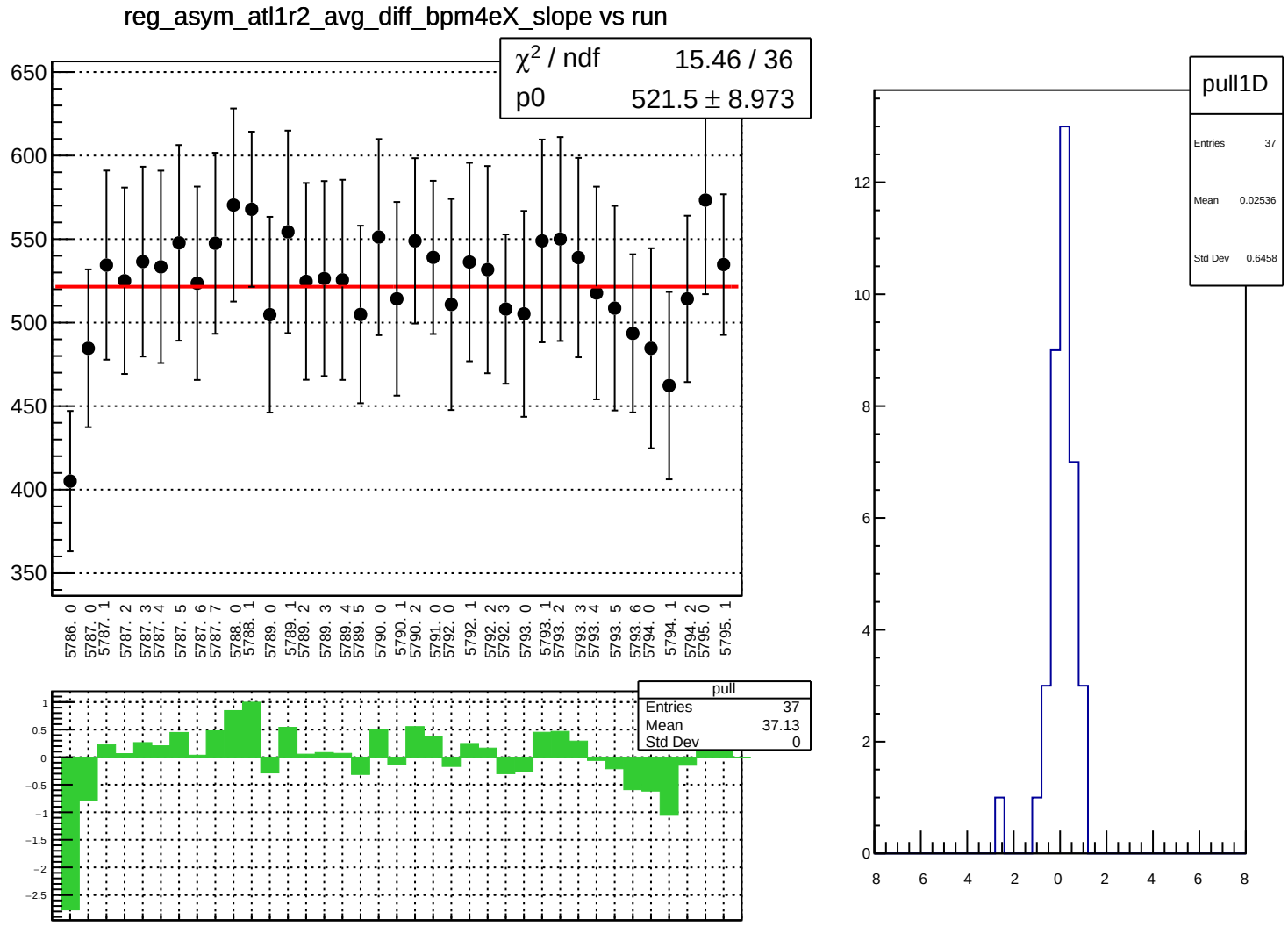

reg_asym_at2_dd_diff_bpm12X_slope vs run
χ² / ndf 20.75 / 36
p0 −40.24 ± 0.2943
pull
Entries 37
Mean −13.15
Std Dev 0

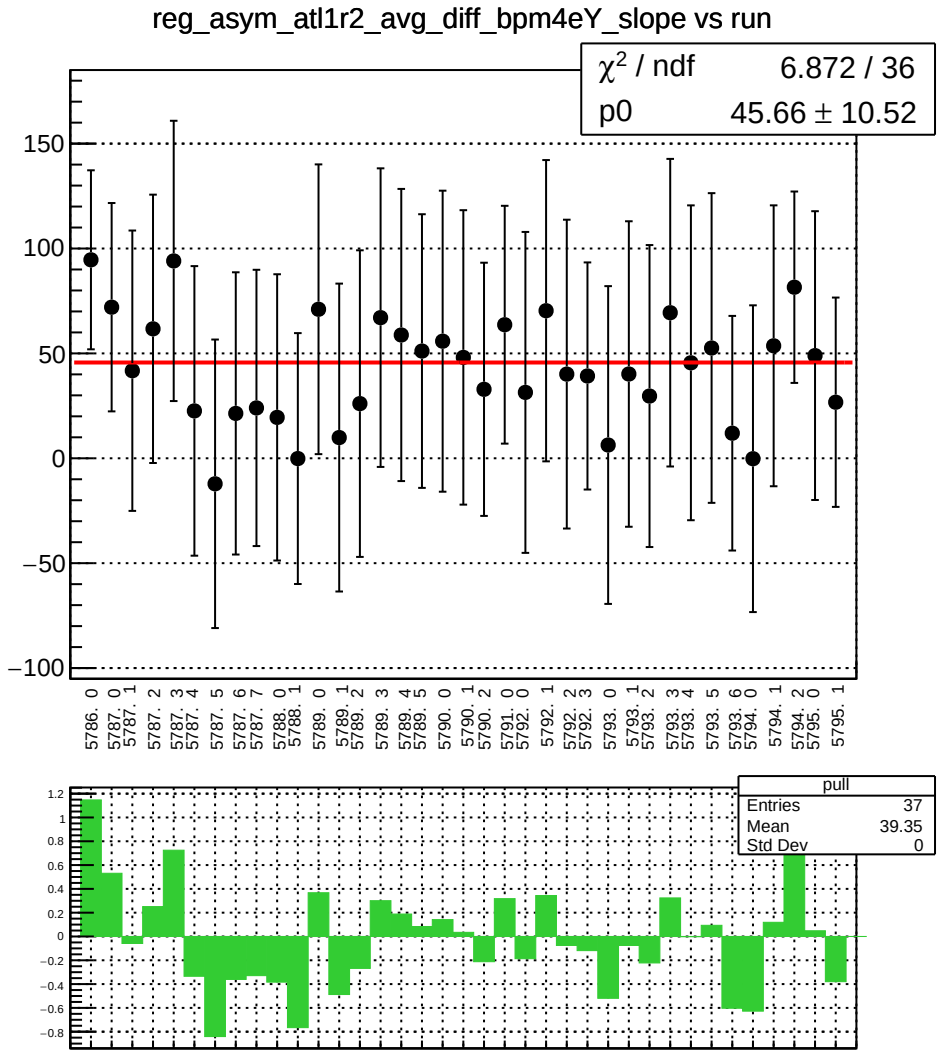

pull1D
Entries 37
Mean 0.009147
Std Dev 0.7488

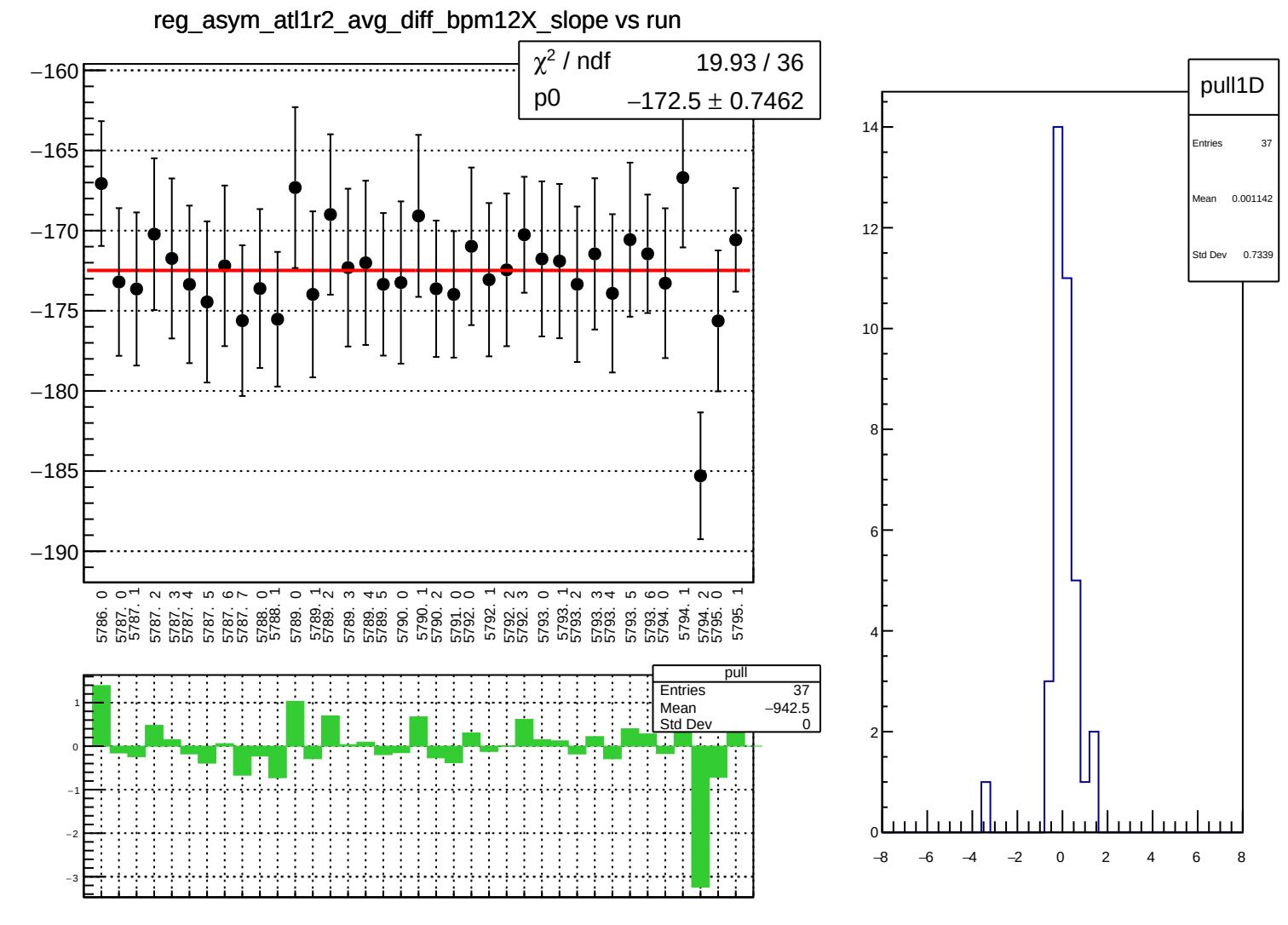

reg_asym_atl1r2_avg_diff_bpm1X_slope vs run
χ² / ndf 14.1 / 36
p0 −269.5 ± 6.261
pull
Entries 37
Mean 63.96
Std Dev 0

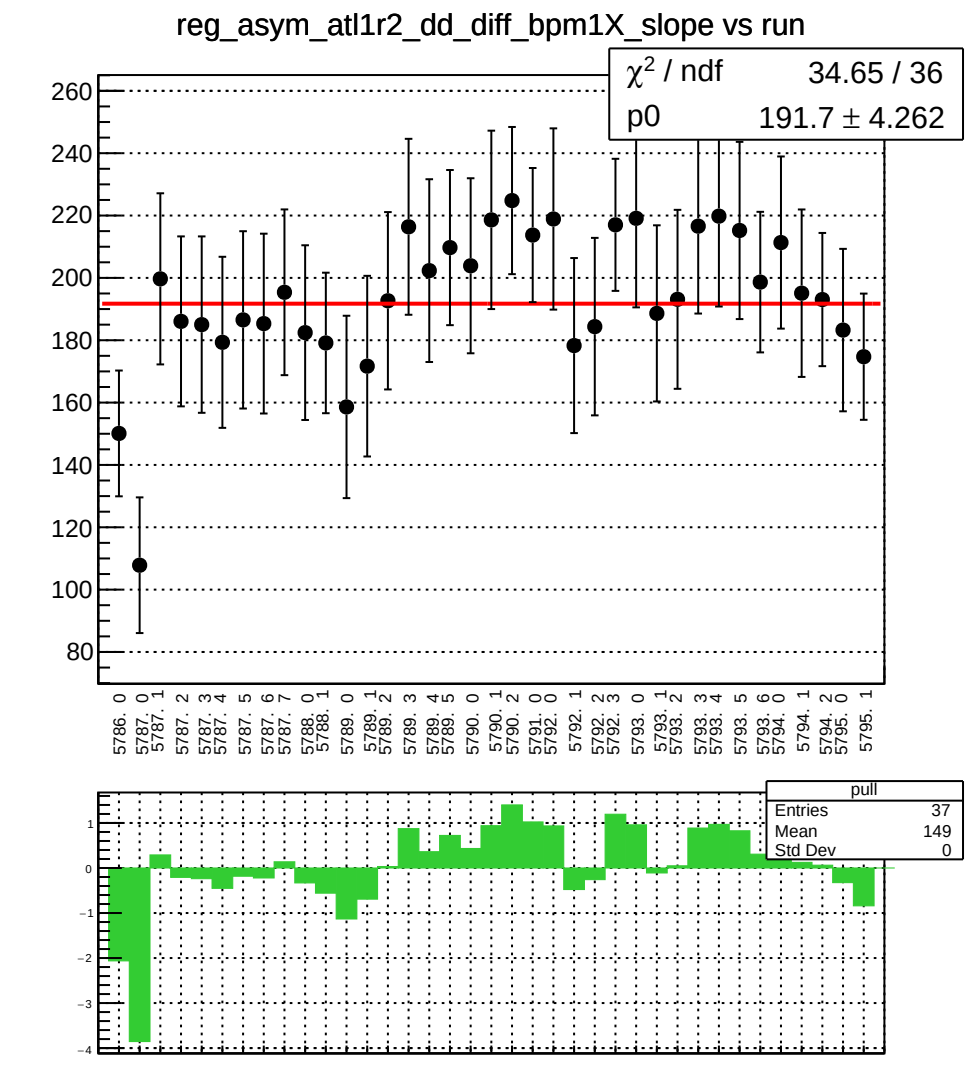

pull1D
Entries 37
Mean −0.0271
Std Dev 0.6167

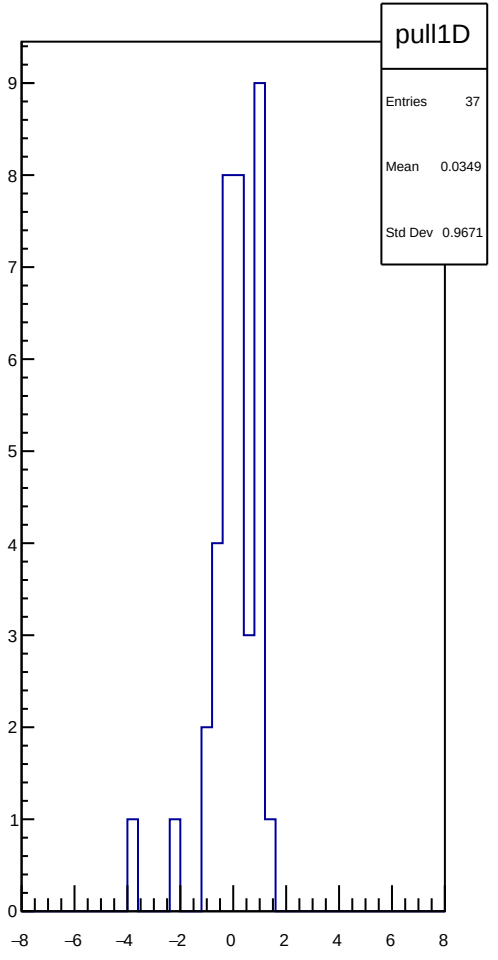

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.086 / 36
p0 19.42 ± 9.598
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 33.7
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.02691
Std Dev 0.4047
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

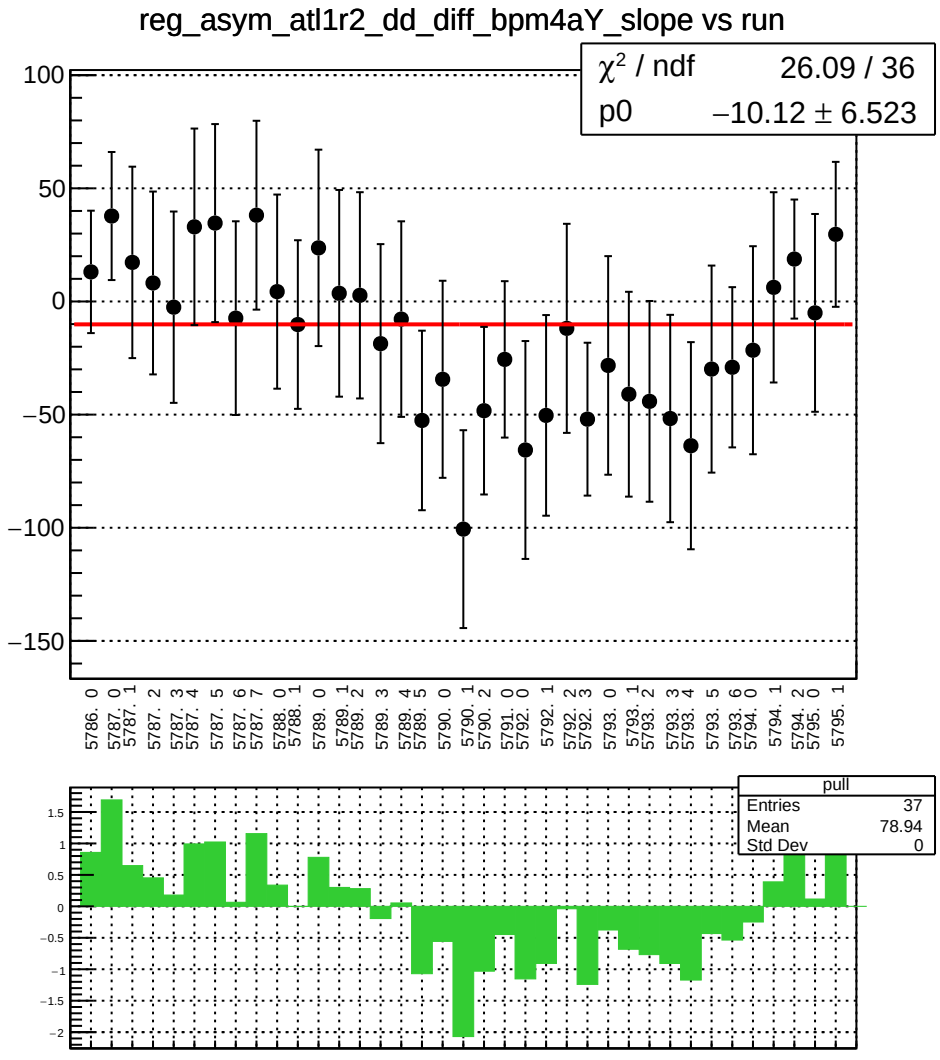

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs run
χ² / ndf 15.46 / 36
p0 521.5 ± 8.973
650
600
550
500
450
400
350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 37.13
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.02536
Std Dev 0.6458
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

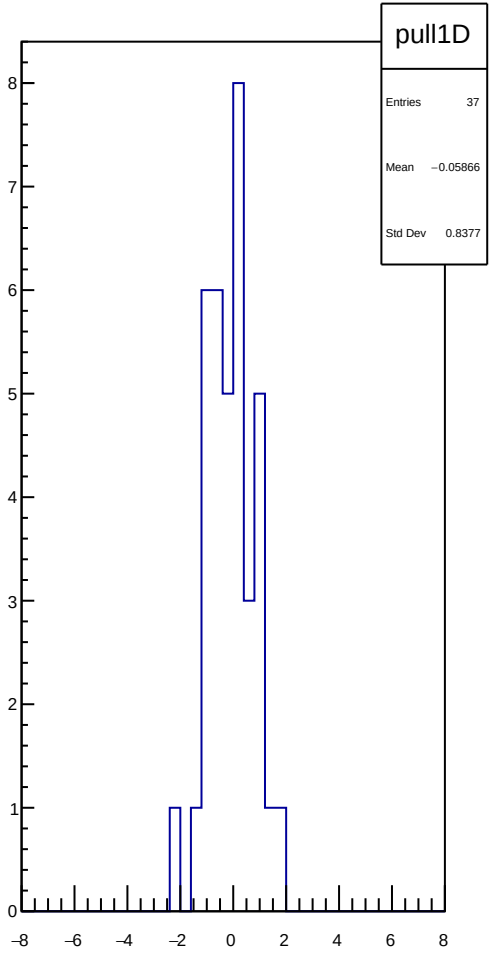

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.872 / 36
p0 45.66 ± 10.52
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 39.35
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 37
Mean −0.02823
Std Dev 0.43
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

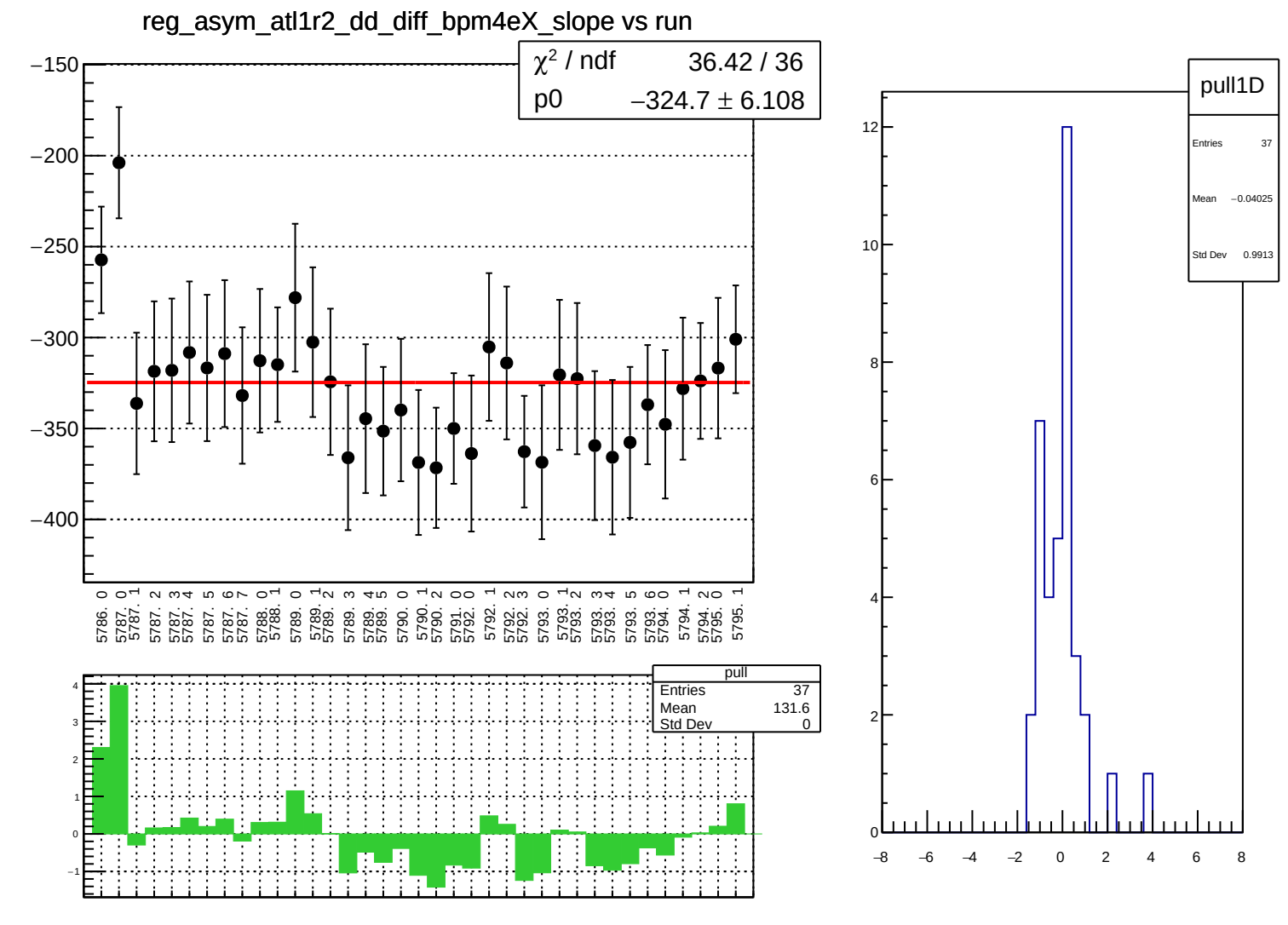

reg_asym_atl1r2_avg_diff_bpm12X_slope vs run
χ² / ndf 19.93 / 36
p0 −172.5 ± 0.7462
pull
Entries 37
Mean −942.5
Std Dev 0
pull1D
Entries 37
Mean 0.001142
Std Dev 0.7339

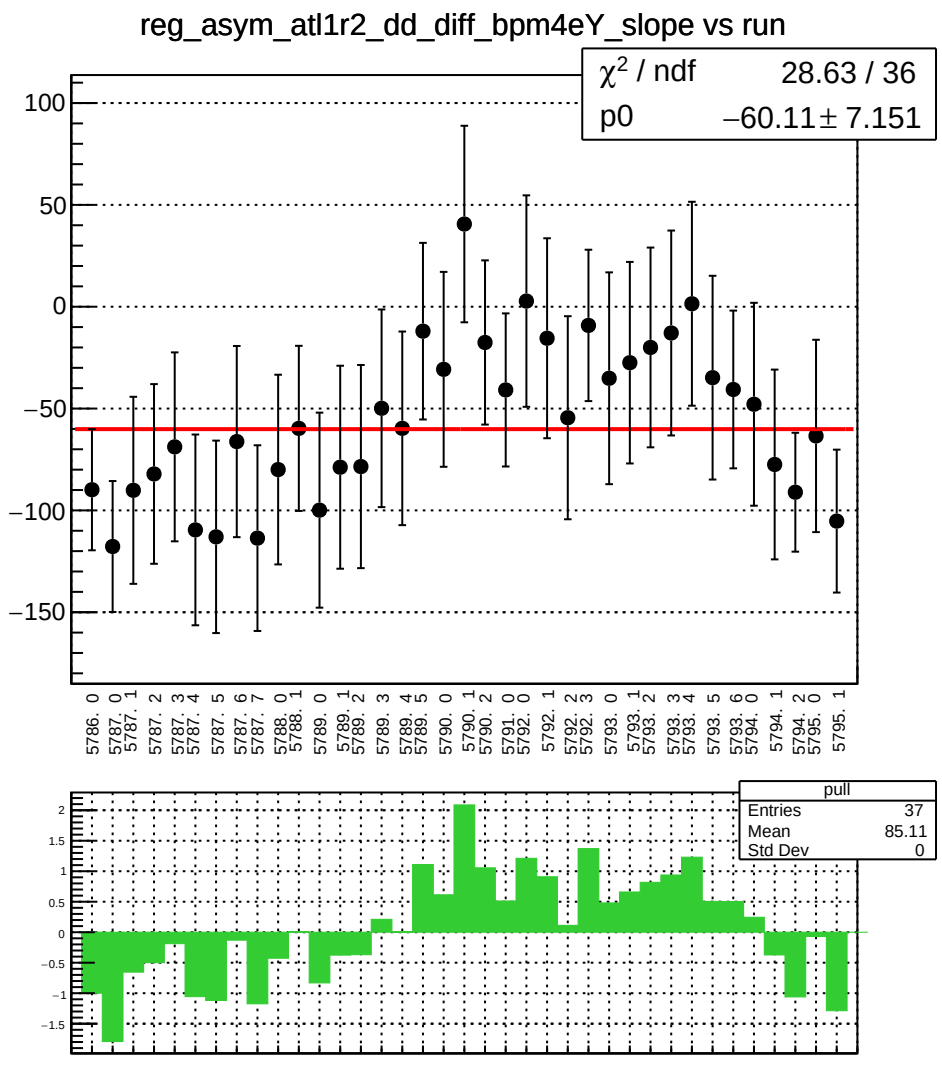

reg_asym_atl1r2_dd_diff_bpm1X_slope vs run
χ² / ndf 34.65 / 36
p0 191.7 ± 4.262
260
240
220
200
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 149
Std Dev 0
1
0
−1
−2
−3
−4

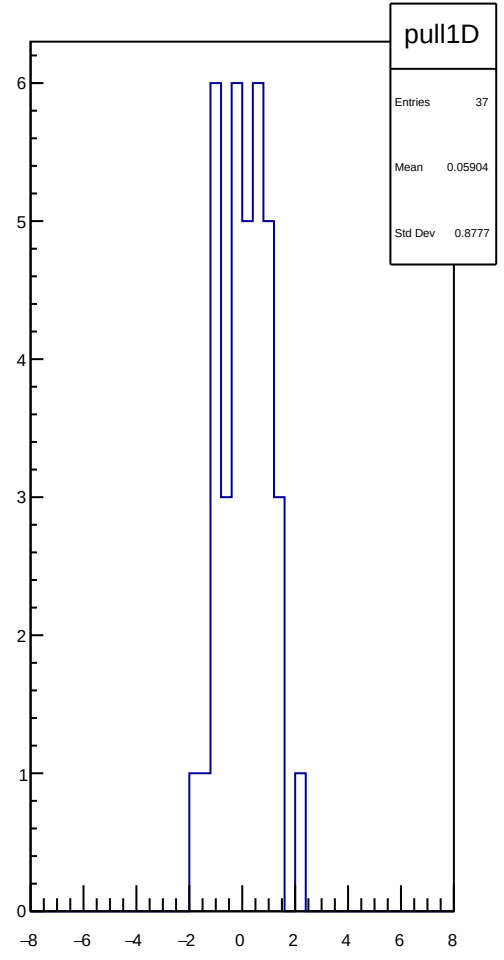

pull1D
Entries 37
Mean 0.0349
Std Dev 0.9671
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

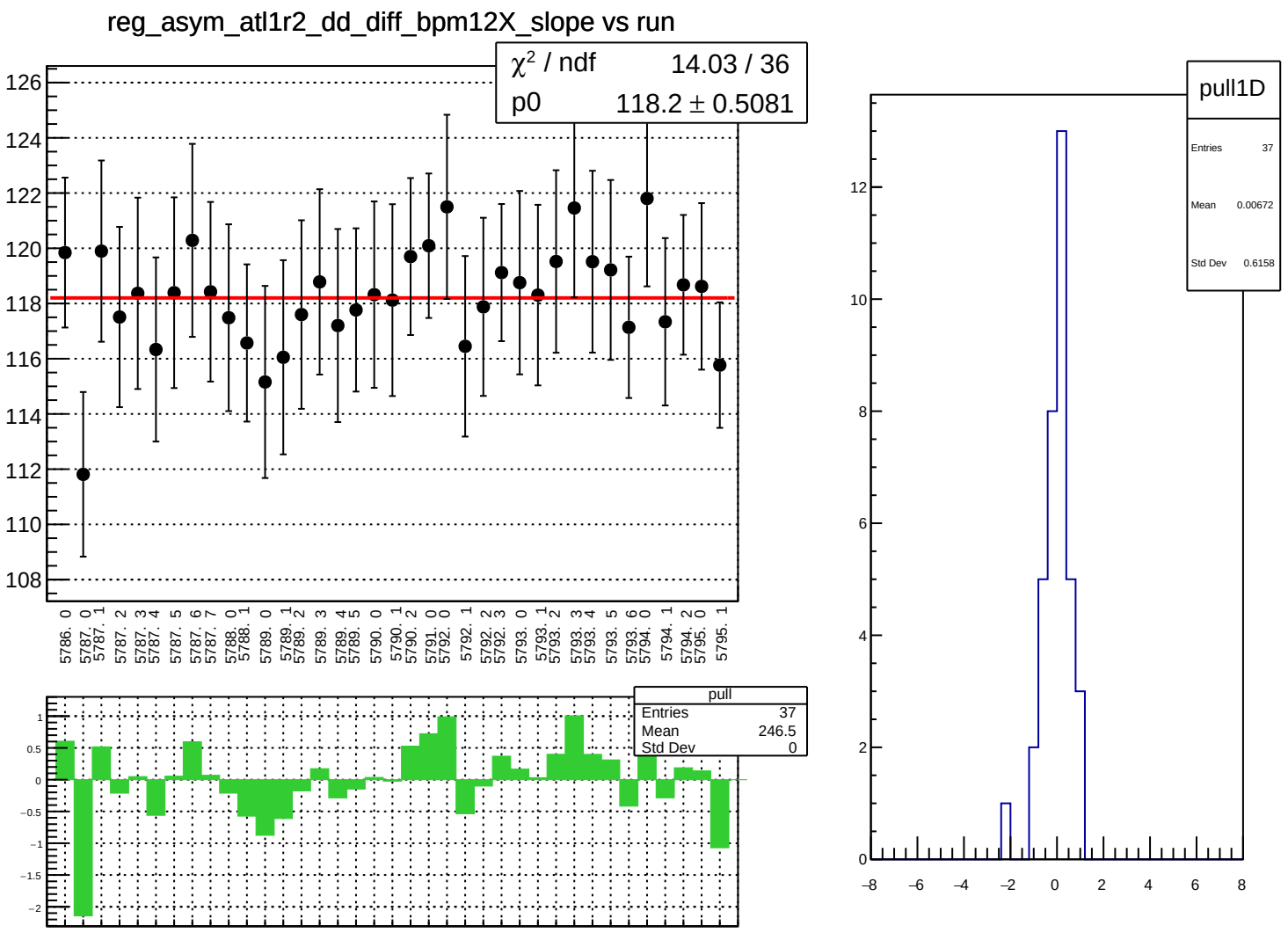

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs run
χ² / ndf 26.09 / 36
p0 −10.12 ± 6.523
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 78.94
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

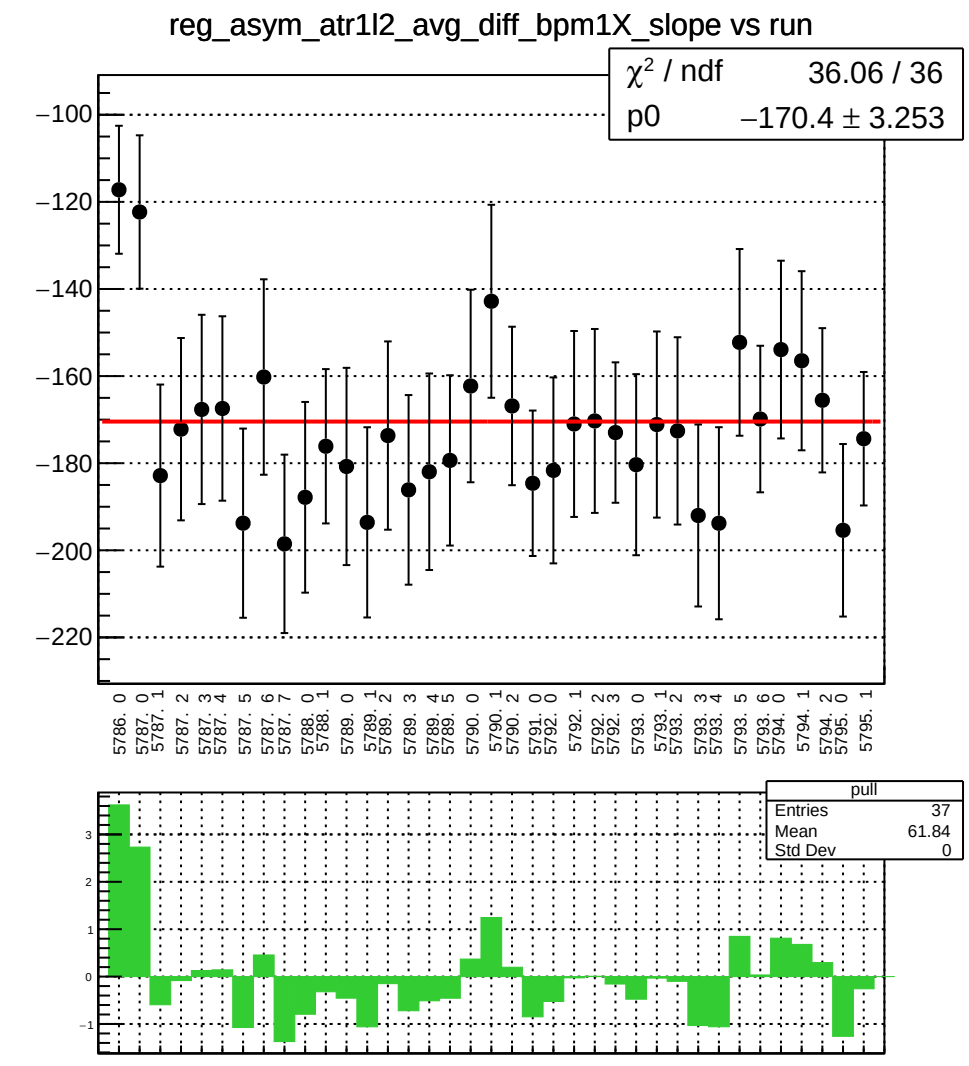

pull1D
Entries 37
Mean −0.05866
Std Dev 0.8377
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

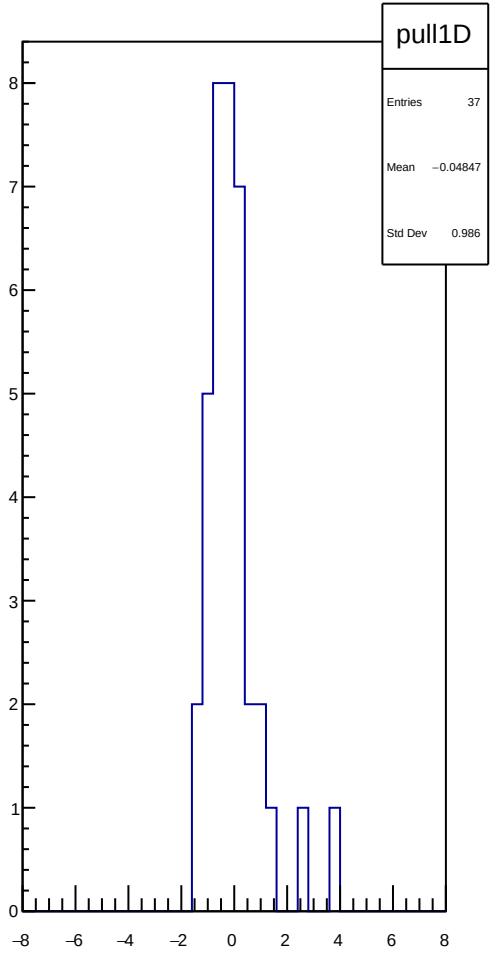

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs run
χ² / ndf 36.42 / 36
p0 −324.7 ± 6.108
−150
−200
−250
−300
−350
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 131.6
Std Dev 0
pull1D
Entries 37
Mean −0.04025
Std Dev 0.9913

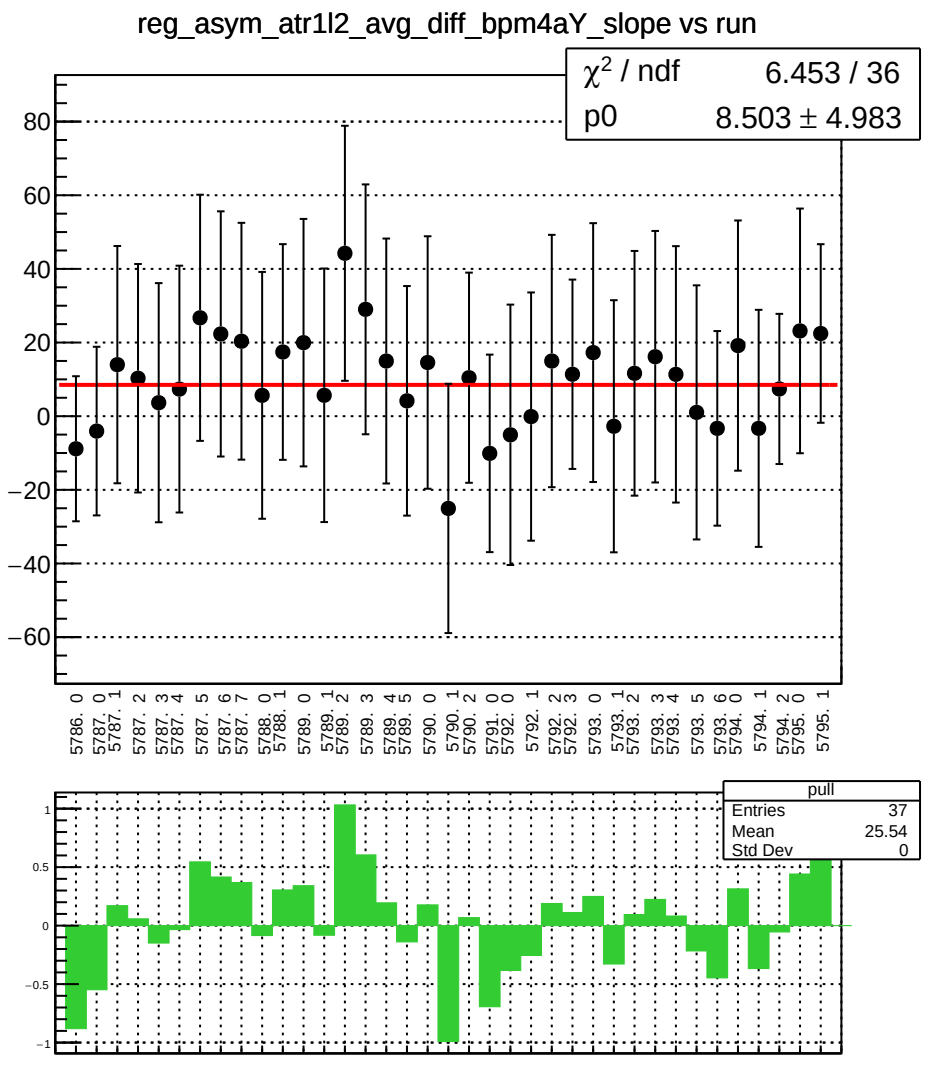

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.63 / 36
p0 −60.11 ± 7.151
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 85.11
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

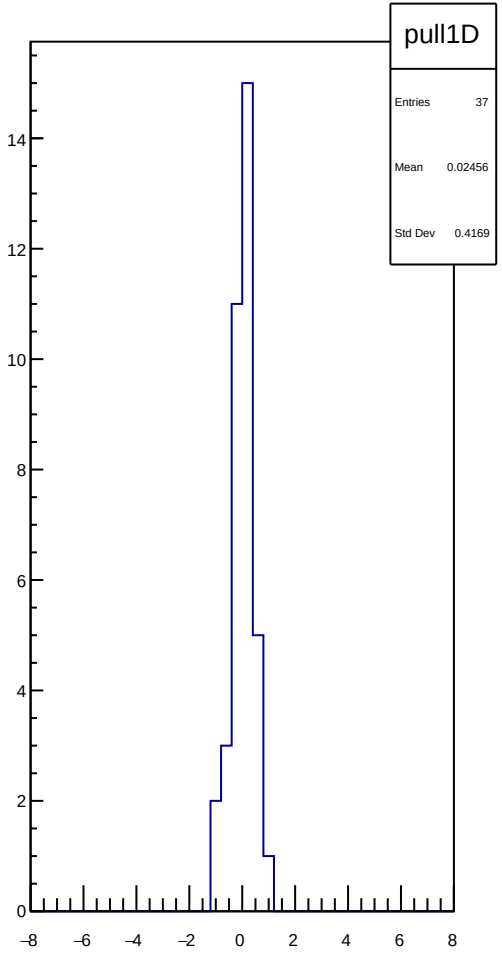

pull1D
Entries 37
Mean 0.05904
Std Dev 0.8777
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

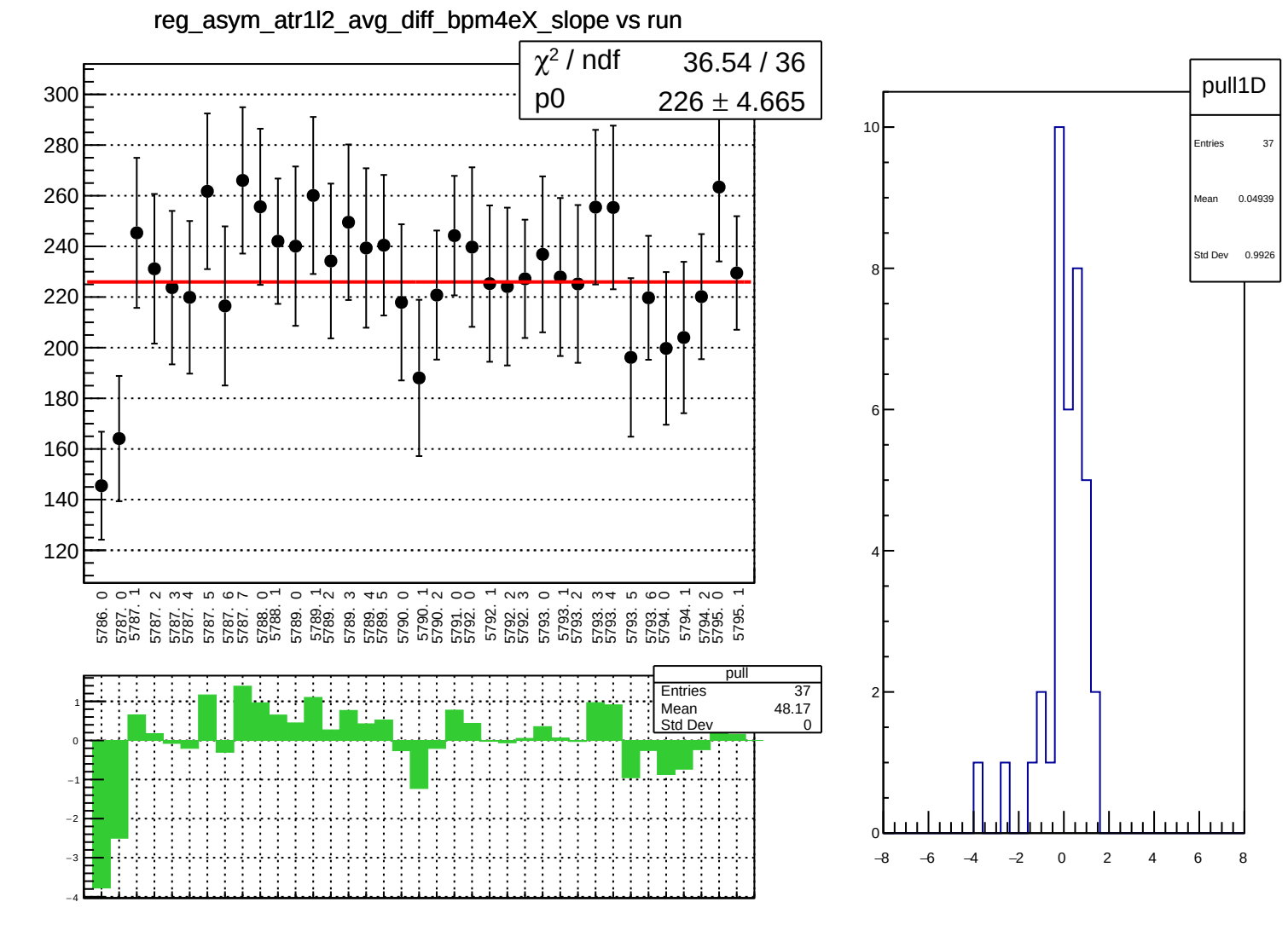

reg_asym_atl1r2_dd_diff_bpm12X_slope vs run
χ² / ndf 14.03 / 36
p0 118.2 ± 0.5081
126
124
122
120
118
116
114
112
110
108
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 246.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.00672
Std Dev 0.6158
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

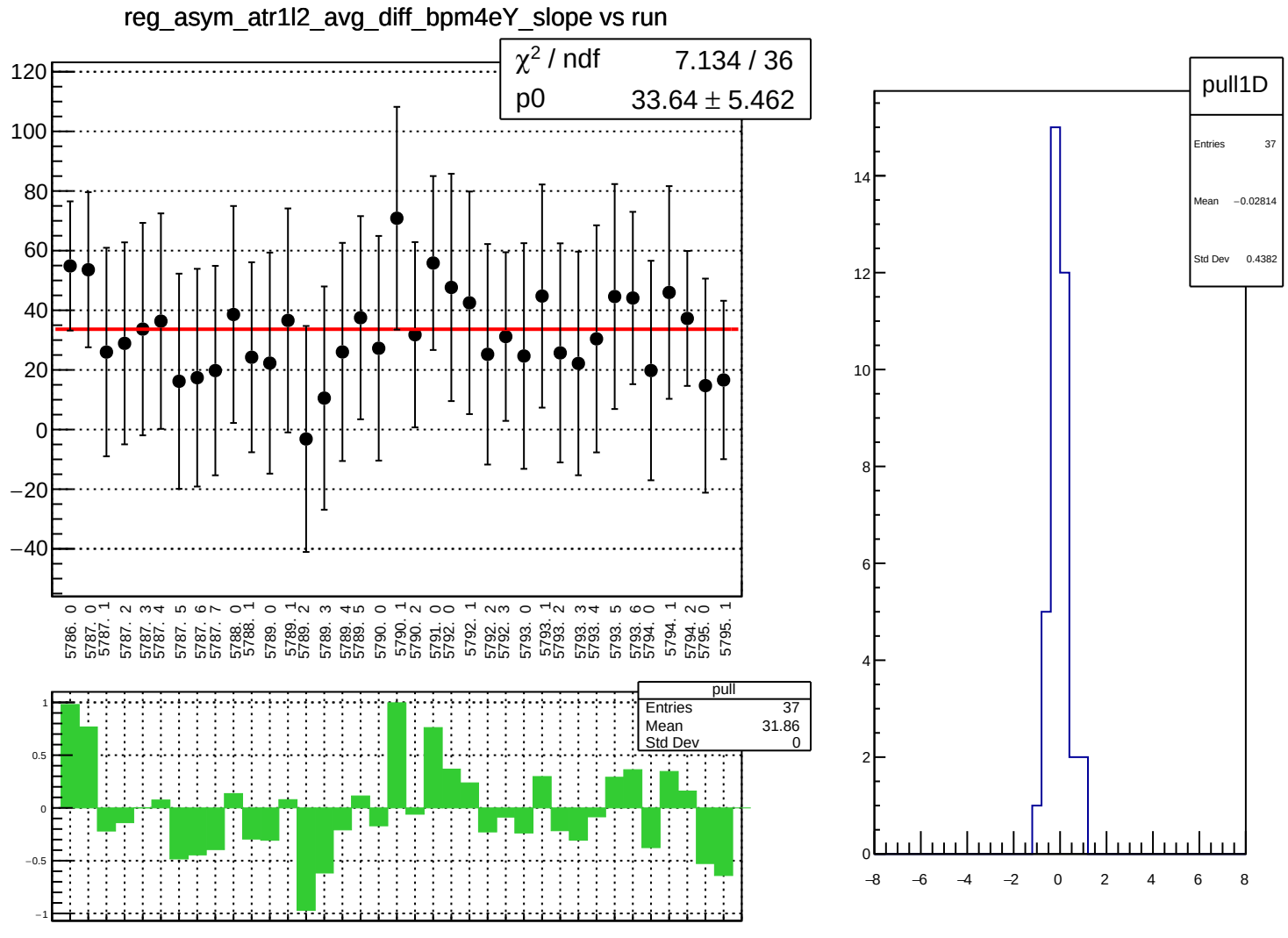

reg_asym_atr1l2_avg_diff_bpm1X_slope vs run
χ² / ndf 36.06 / 36
p0 −170.4 ± 3.253
−100
−120
−140
−160
−180
−200
−220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 61.84
Std Dev 0
3
2
1
0
−1

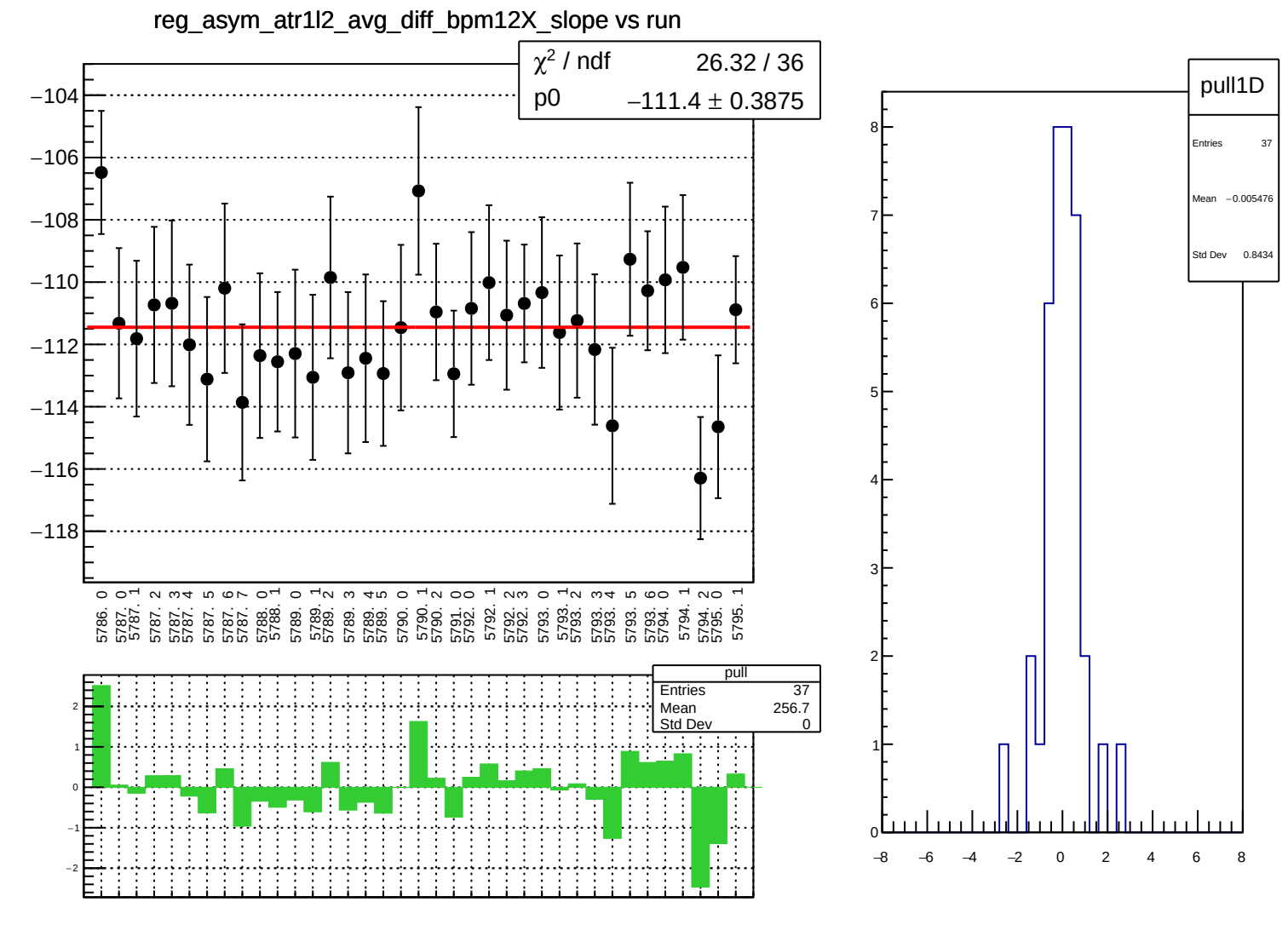

pull1D
Entries 37
Mean −0.04847
Std Dev 0.986
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

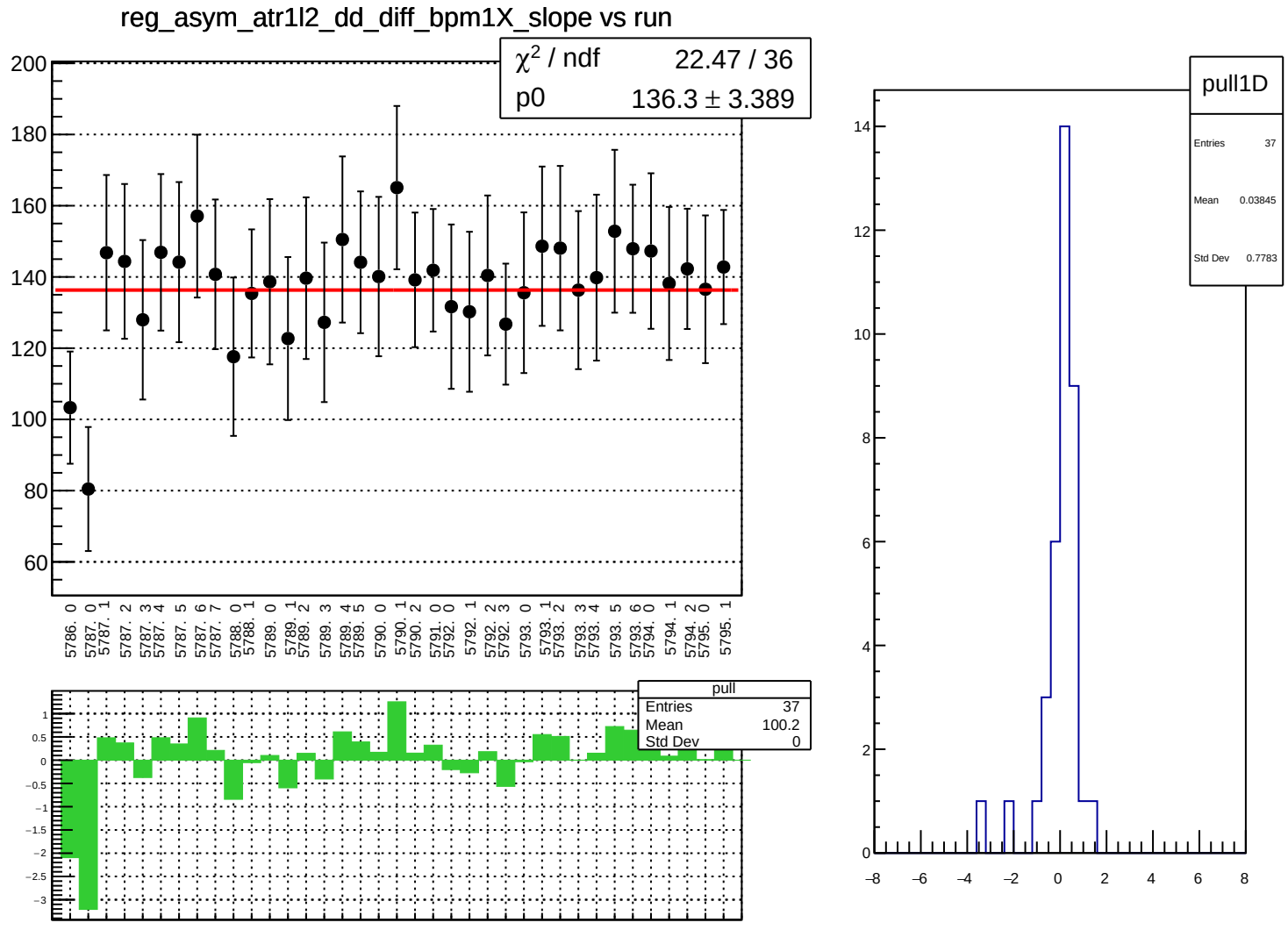

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.453 / 36
p0 8.503 ± 4.983
pull
Entries 37
Mean 25.54
Std Dev 0

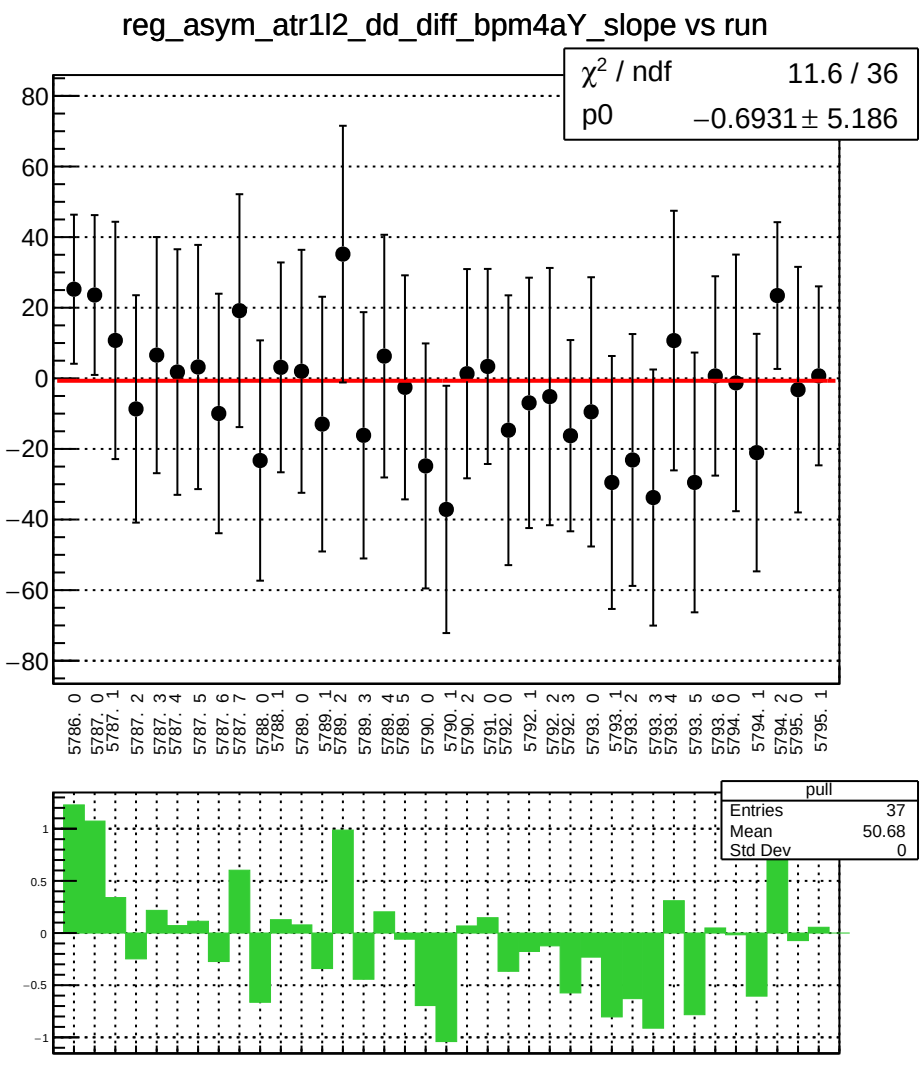

pull1D
Entries 37
Mean 0.02456
Std Dev 0.4169

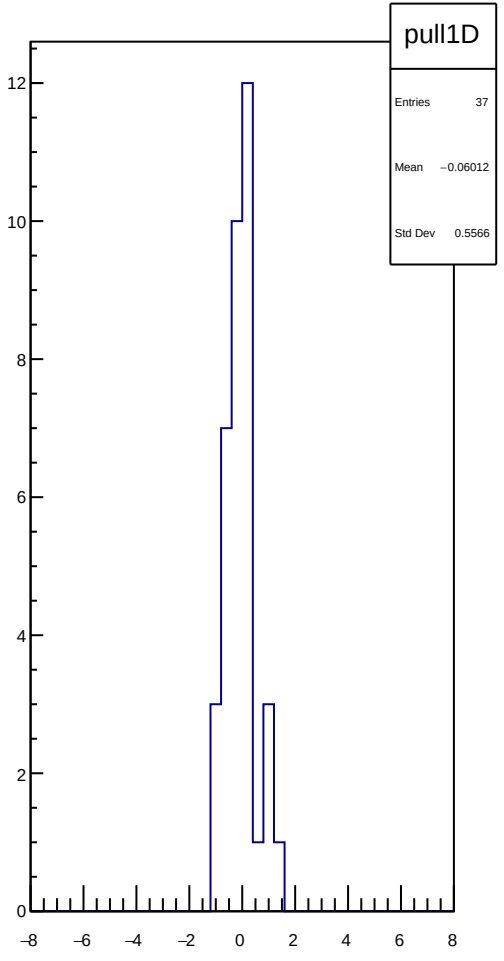

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs run
χ² / ndf 36.54 / 36
p0 226 ± 4.665
pull
Entries 37
Mean 48.17
Std Dev 0
pull1D
Entries 37
Mean 0.04939
Std Dev 0.9926

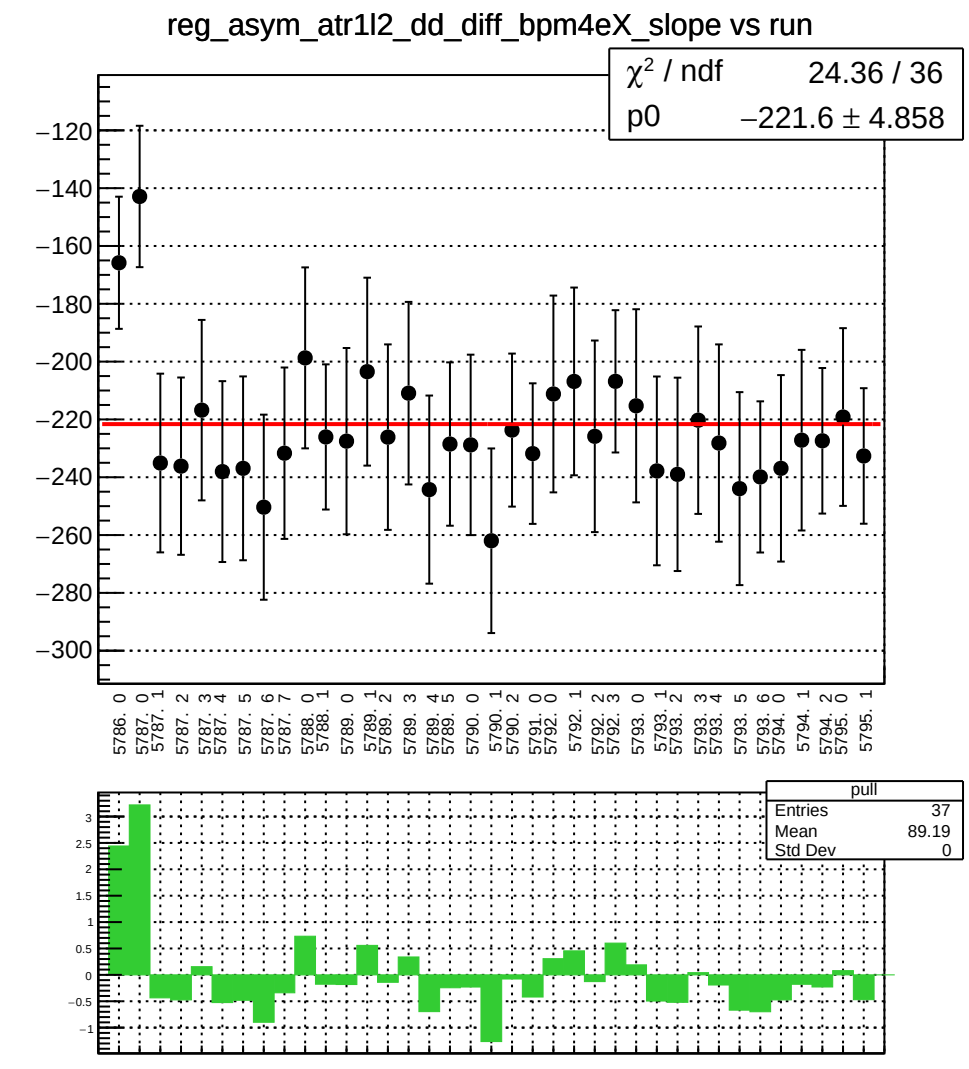

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.134 / 36
p0 33.64 ± 5.462
120
100
80
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 31.86
Std Dev 0
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.02814
Std Dev 0.4382
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

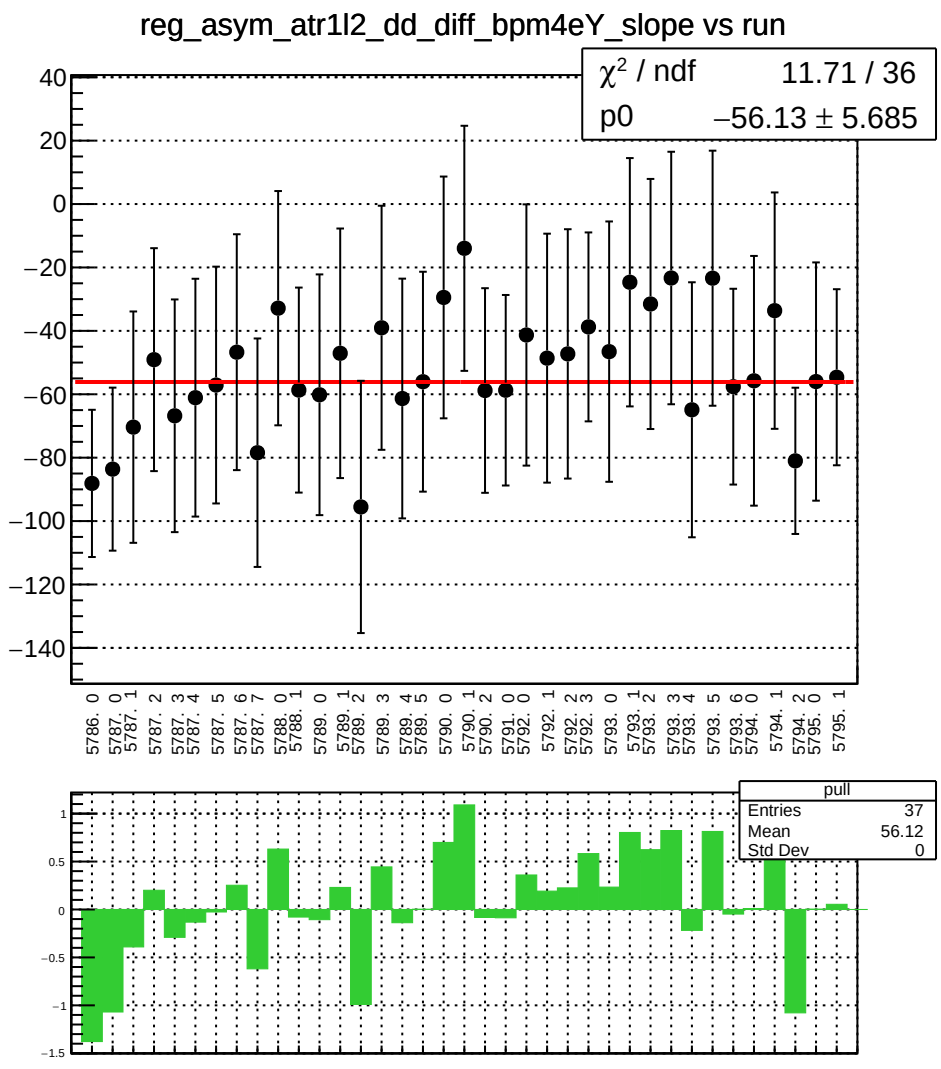

reg_asym_atr1l2_avg_diff_bpm12X_slope vs run
χ² / ndf 26.32 / 36
p0 −111.4 ± 0.3875
pull
Entries 37
Mean 256.7
Std Dev 0
pull1D
Entries 37
Mean −0.005476
Std Dev 0.8434

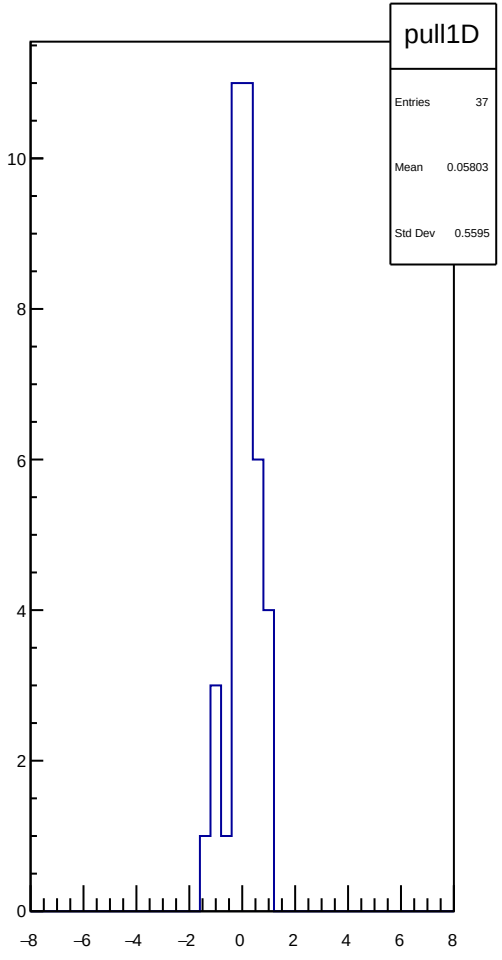

reg_asym_atr1l2_dd_diff_bpm1X_slope vs run
χ² / ndf 22.47 / 36
p0 136.3 ± 3.389
pull
Entries 37
Mean 100.2
Std Dev 0
pull1D
Entries 37
Mean 0.03845
Std Dev 0.7783

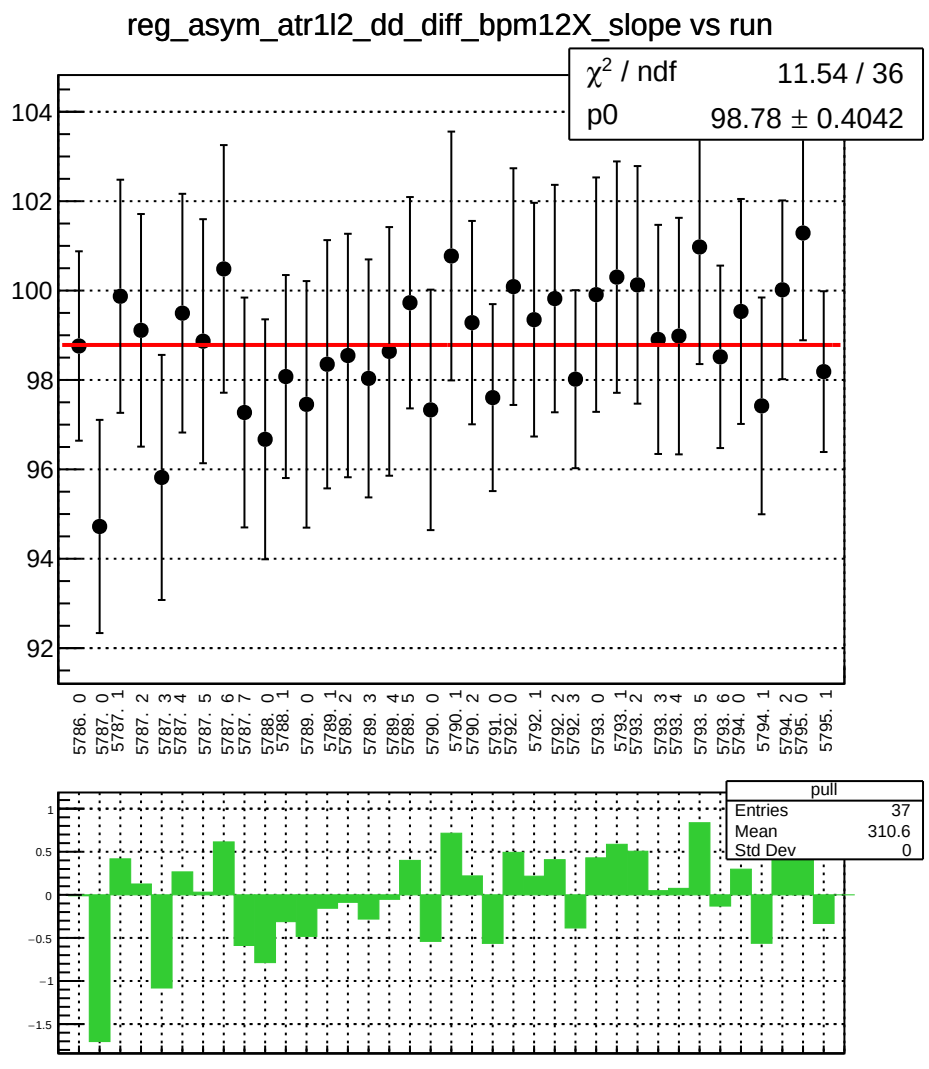

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs run
χ² / ndf 11.6 / 36
p0 −0.6931 ± 5.186
pull
Entries 37
Mean 50.68
Std Dev 0

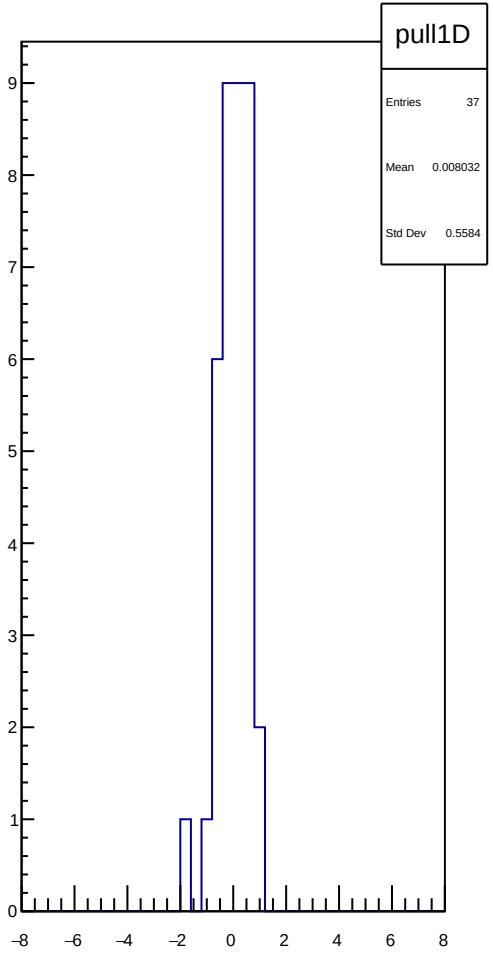

pull1D
Entries 37
Mean −0.06012
Std Dev 0.5566

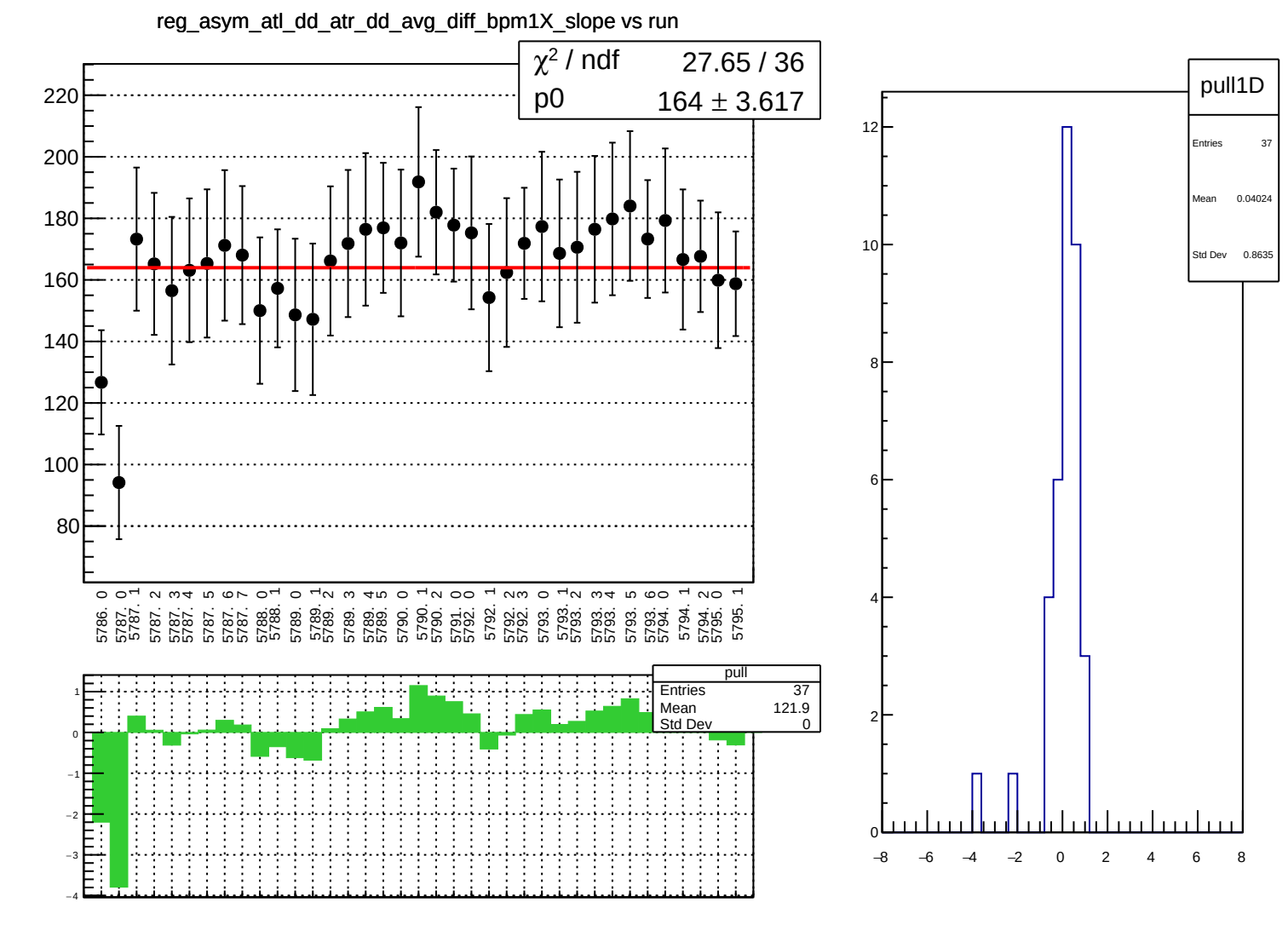

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.36 / 36
p0 −221.6 ± 4.858
pull
Entries 37
Mean 89.19
Std Dev 0
pull1D
Entries 37
Mean −0.04107
Std Dev 0.8104

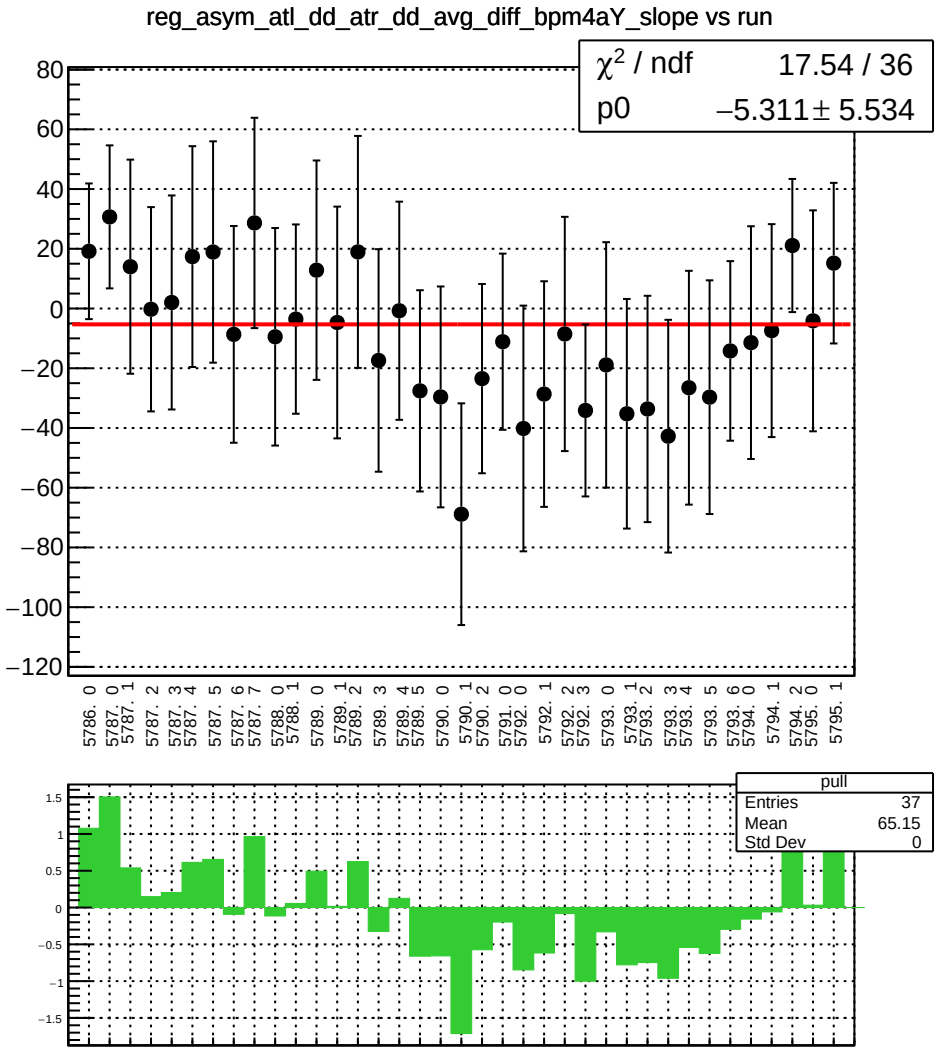

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.71 / 36
p0 −56.13 ± 5.685
pull
Entries 37
Mean 56.12
Std Dev 0

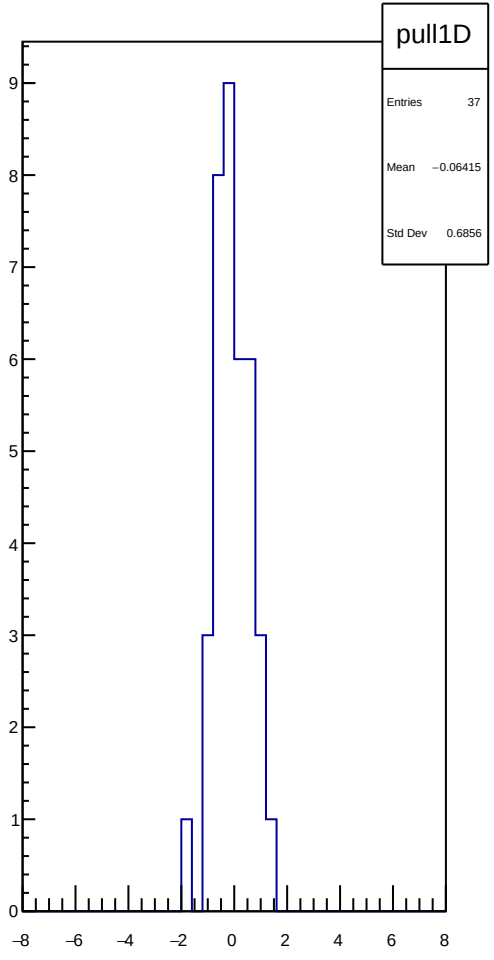

pull1D
Entries 37
Mean 0.05803
Std Dev 0.5595

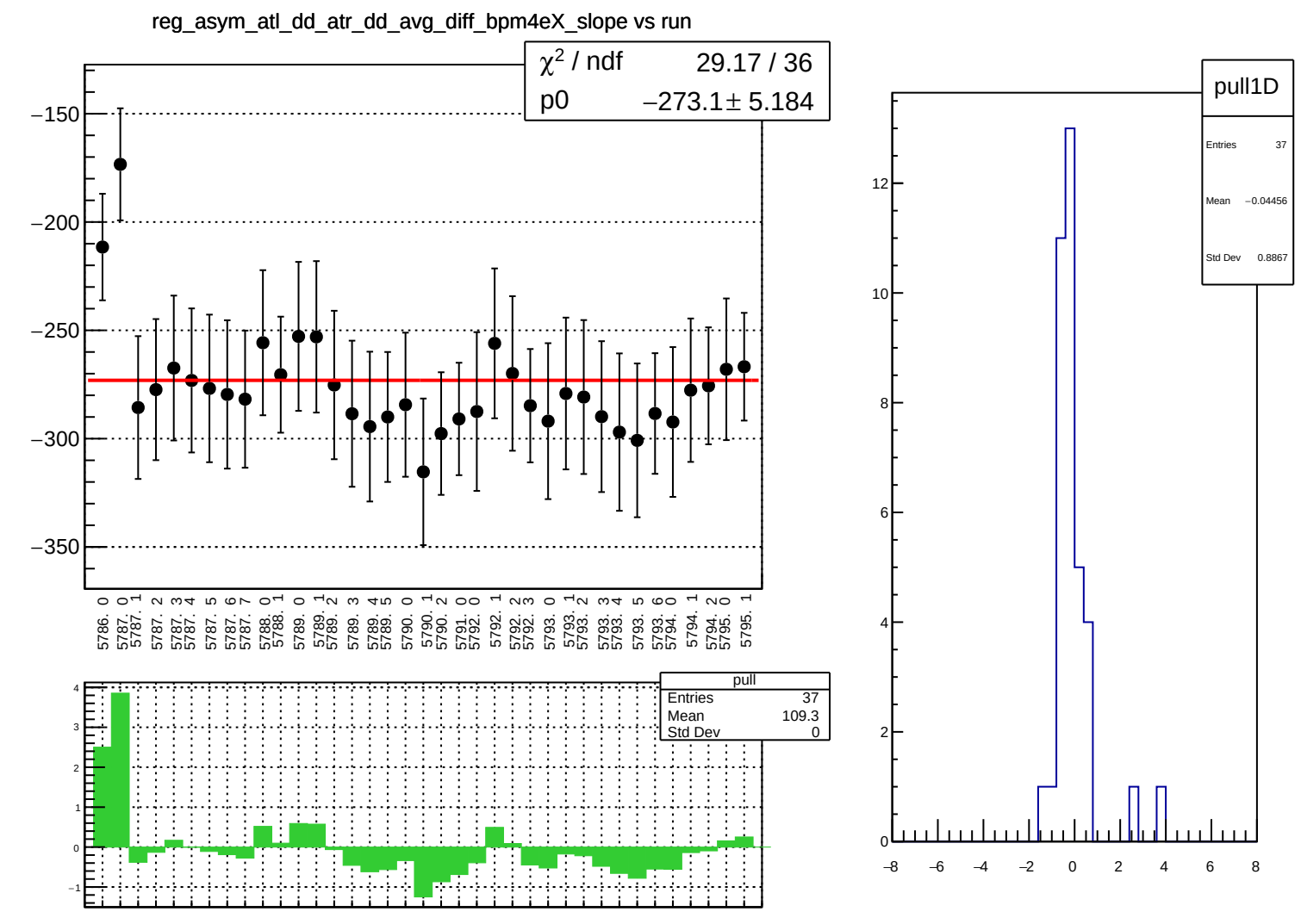

reg_asym_atr1l2_dd_diff_bpm12X_slope vs run
χ² / ndf 11.54 / 36
p0 98.78 ± 0.4042
104
102
100
98
96
94
92
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 310.6
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

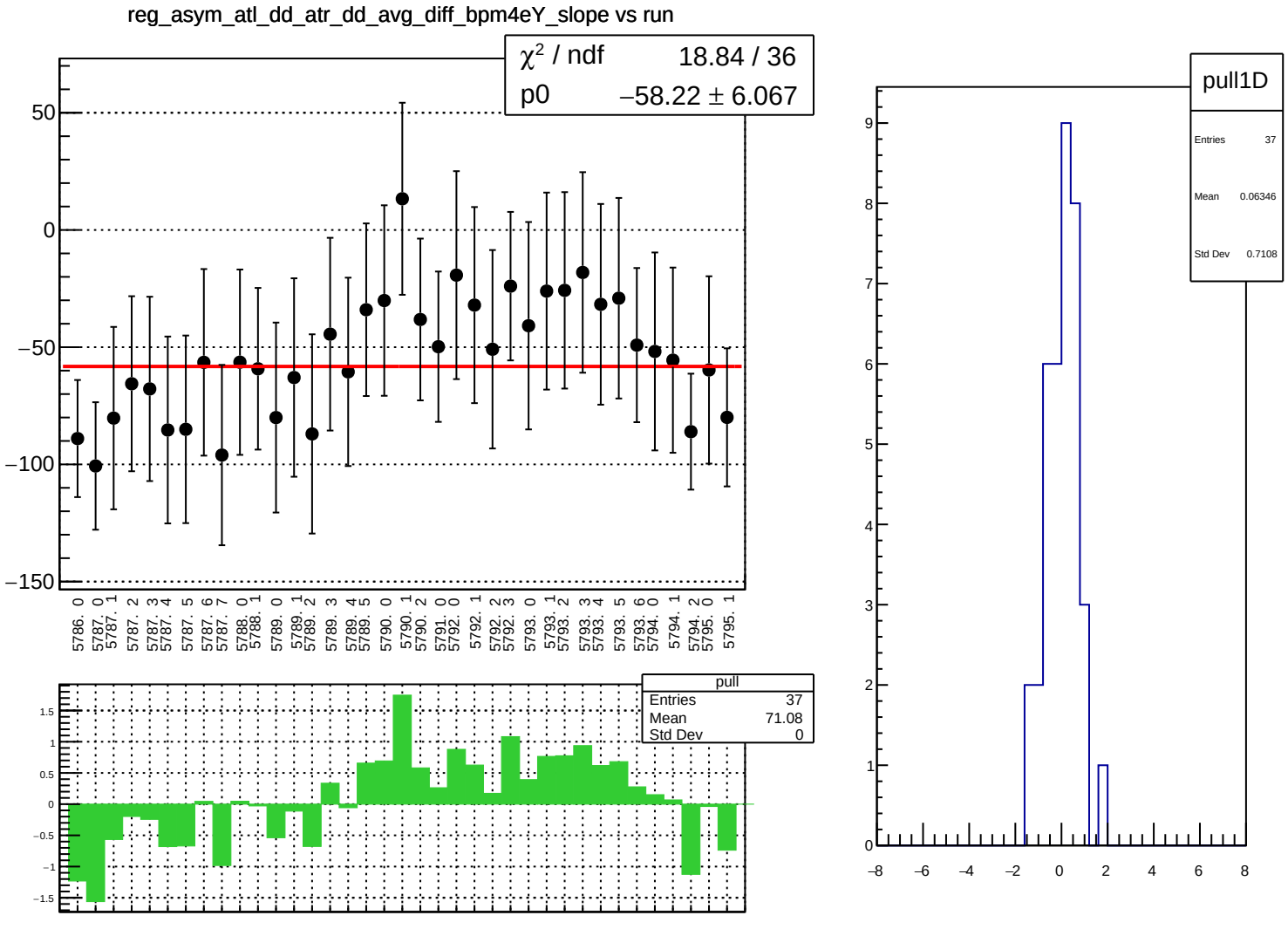

pull1D
Entries 37
Mean 0.008032
Std Dev 0.5584
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

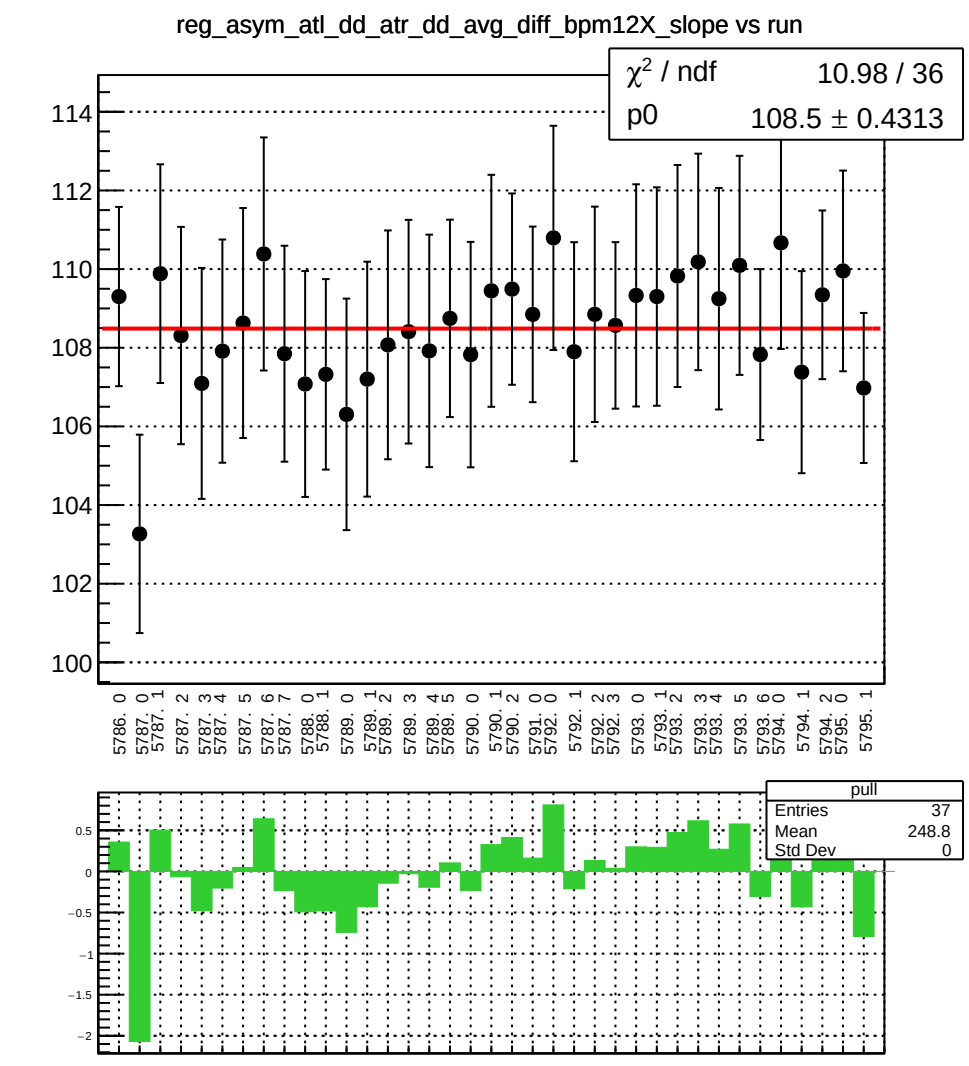

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 27.65 / 36
p0 164 ± 3.617
pull
Entries 37
Mean 121.9
Std Dev 0
pull1D
Entries 37
Mean 0.04024
Std Dev 0.8635

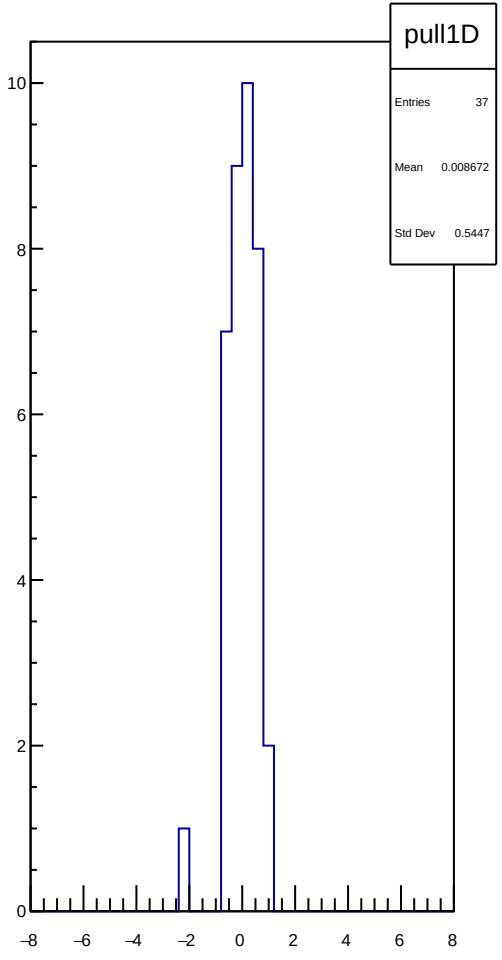

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 17.54 / 36
p0 −5.311 ± 5.534
pull
Entries 37
Mean 65.15
Std Dev 0

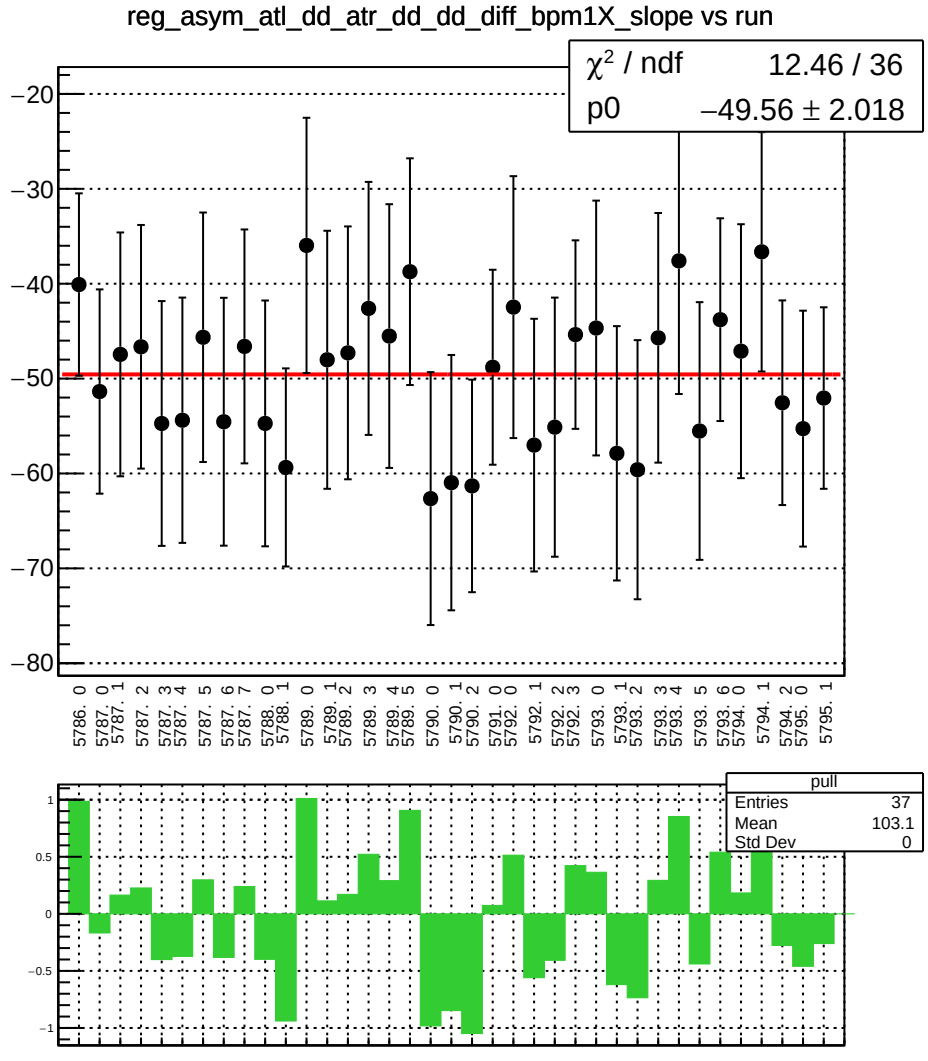

pull1D
Entries 37
Mean −0.06415
Std Dev 0.6856

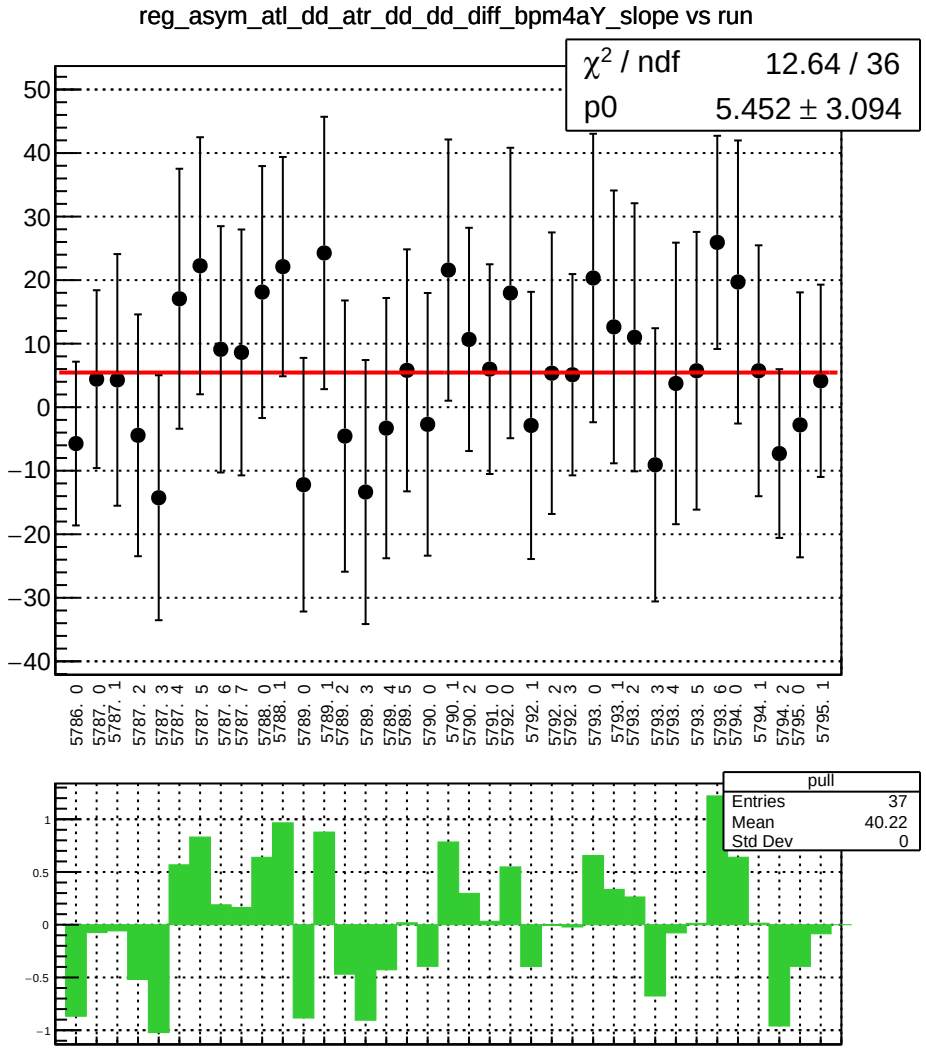

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 36
p0 −273.1 ± 5.184
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 109.3
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 37
Mean −0.04456
Std Dev 0.8867
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

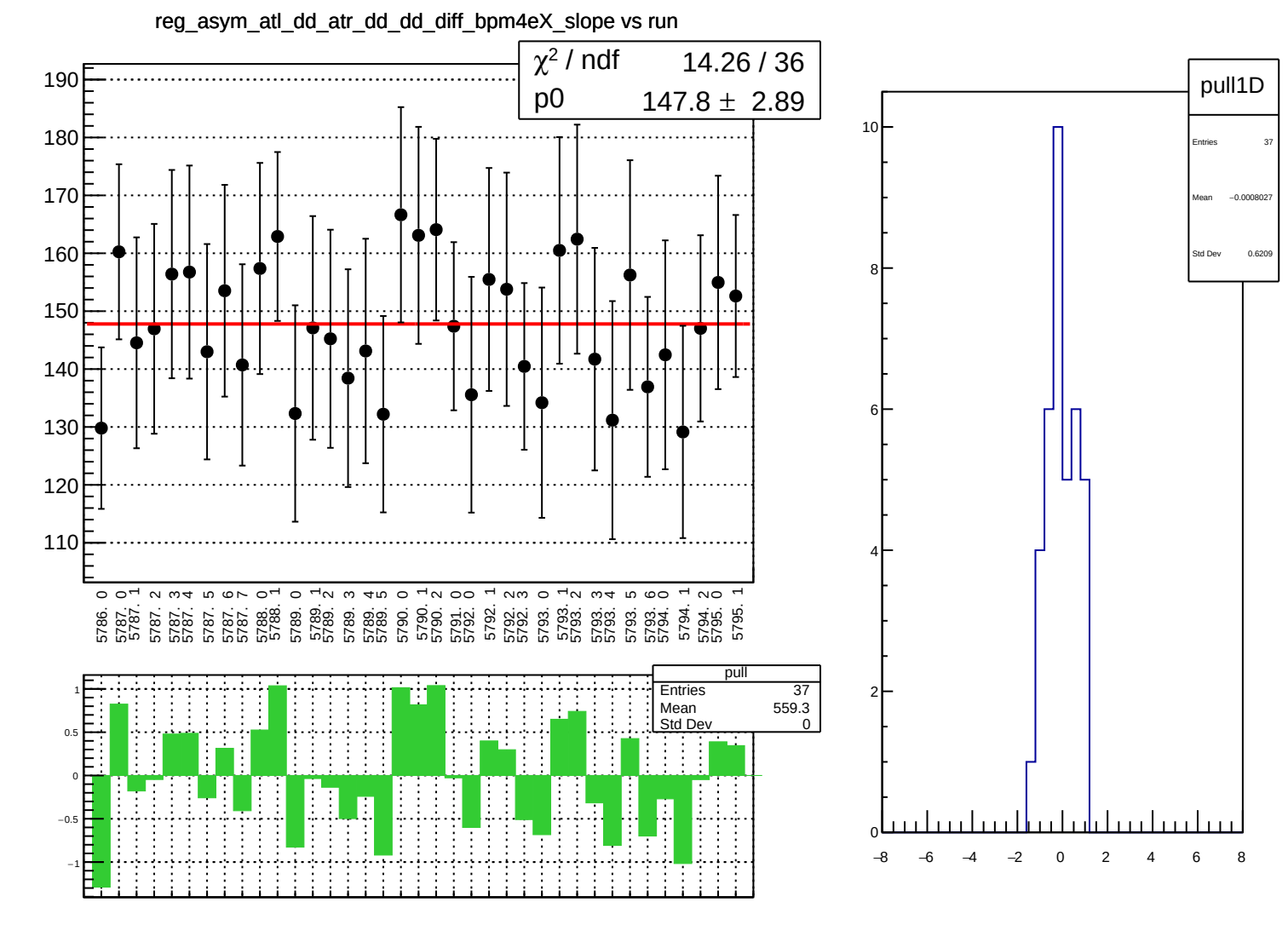

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 18.84 / 36
p0 −58.22 ± 6.067
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.06346
Std Dev 0.7108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

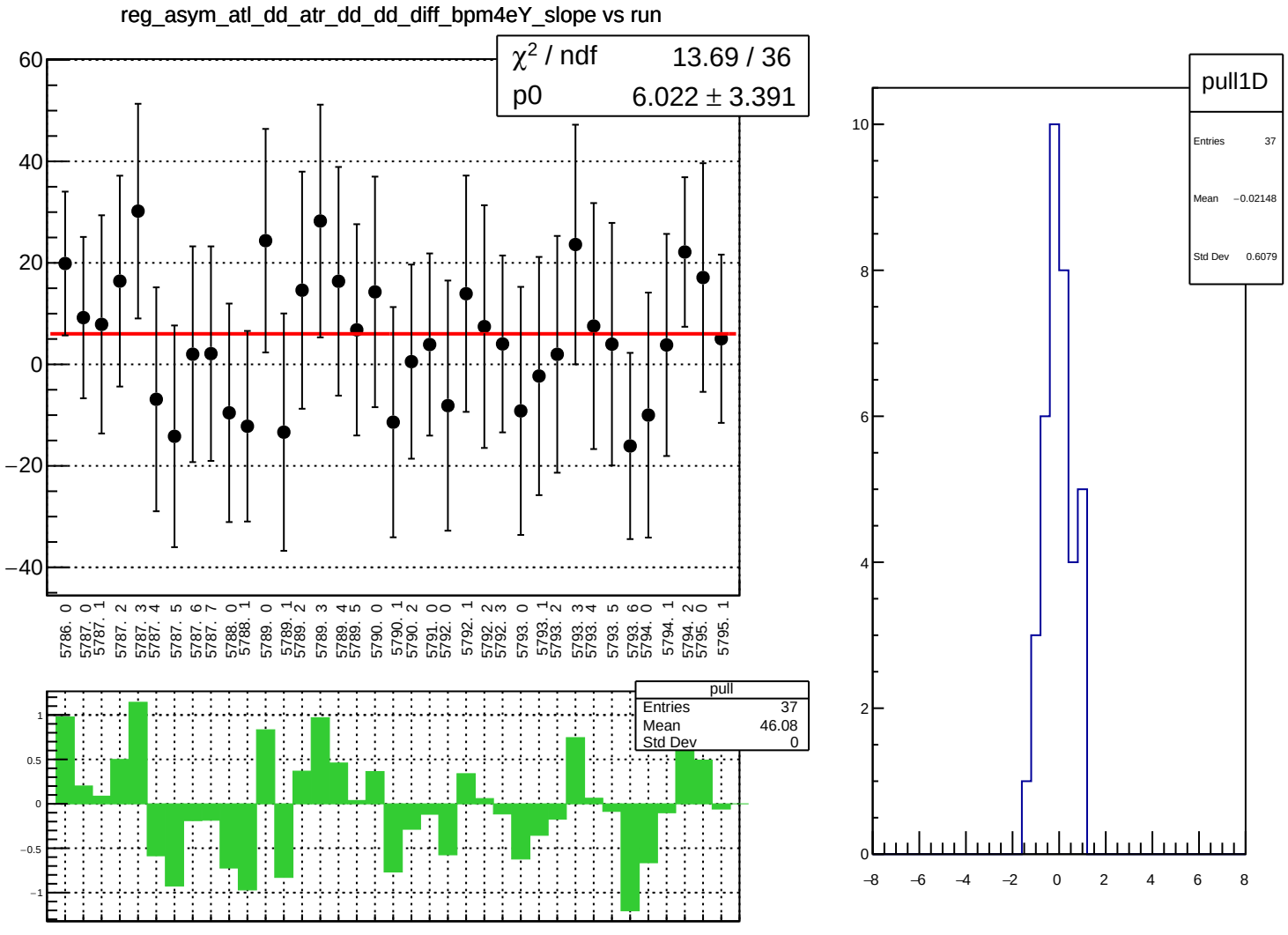

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 10.98 / 36
p0 108.5 ± 0.4313
pull
Entries 37
Mean 248.8
Std Dev 0

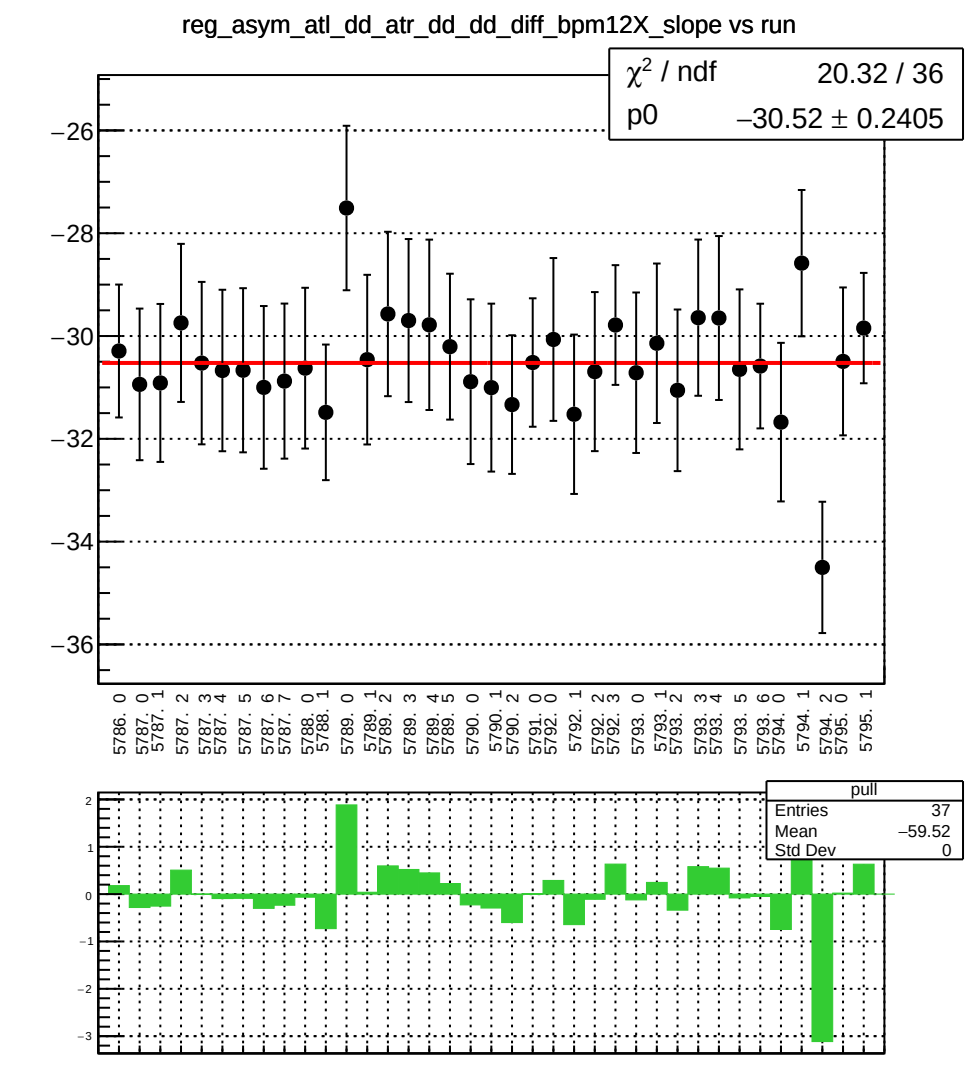

pull1D
Entries 37
Mean 0.008672
Std Dev 0.5447

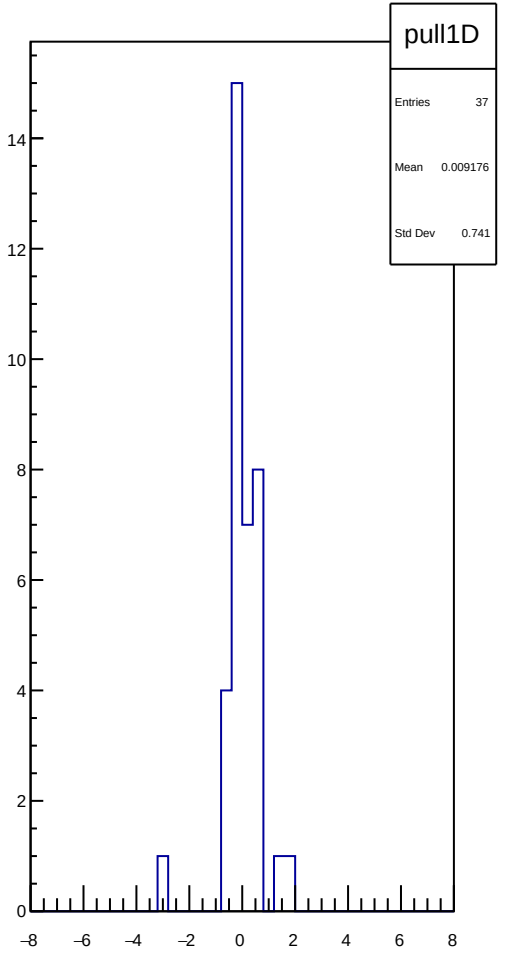

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 12.46 / 36
p0 −49.56 ± 2.018
pull
Entries 37
Mean 103.1
Std Dev 0
pull1D
Entries 37
Mean −0.002745
Std Dev 0.5802

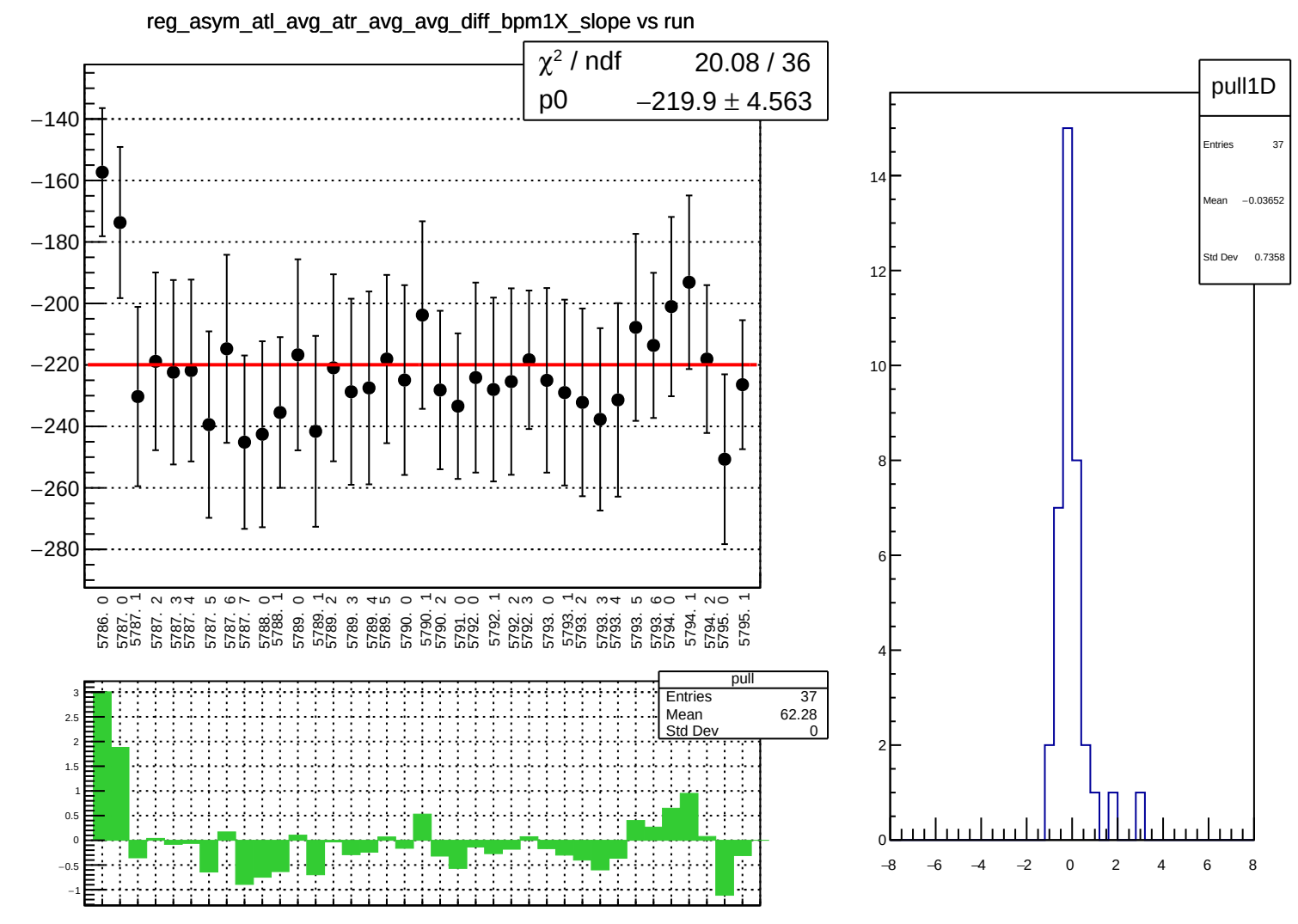

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 36
p0 5.452 ± 3.094
pull
Entries 37
Mean 40.22
Std Dev 0
pull1D
Entries 37
Mean 0.02211
Std Dev 0.5841

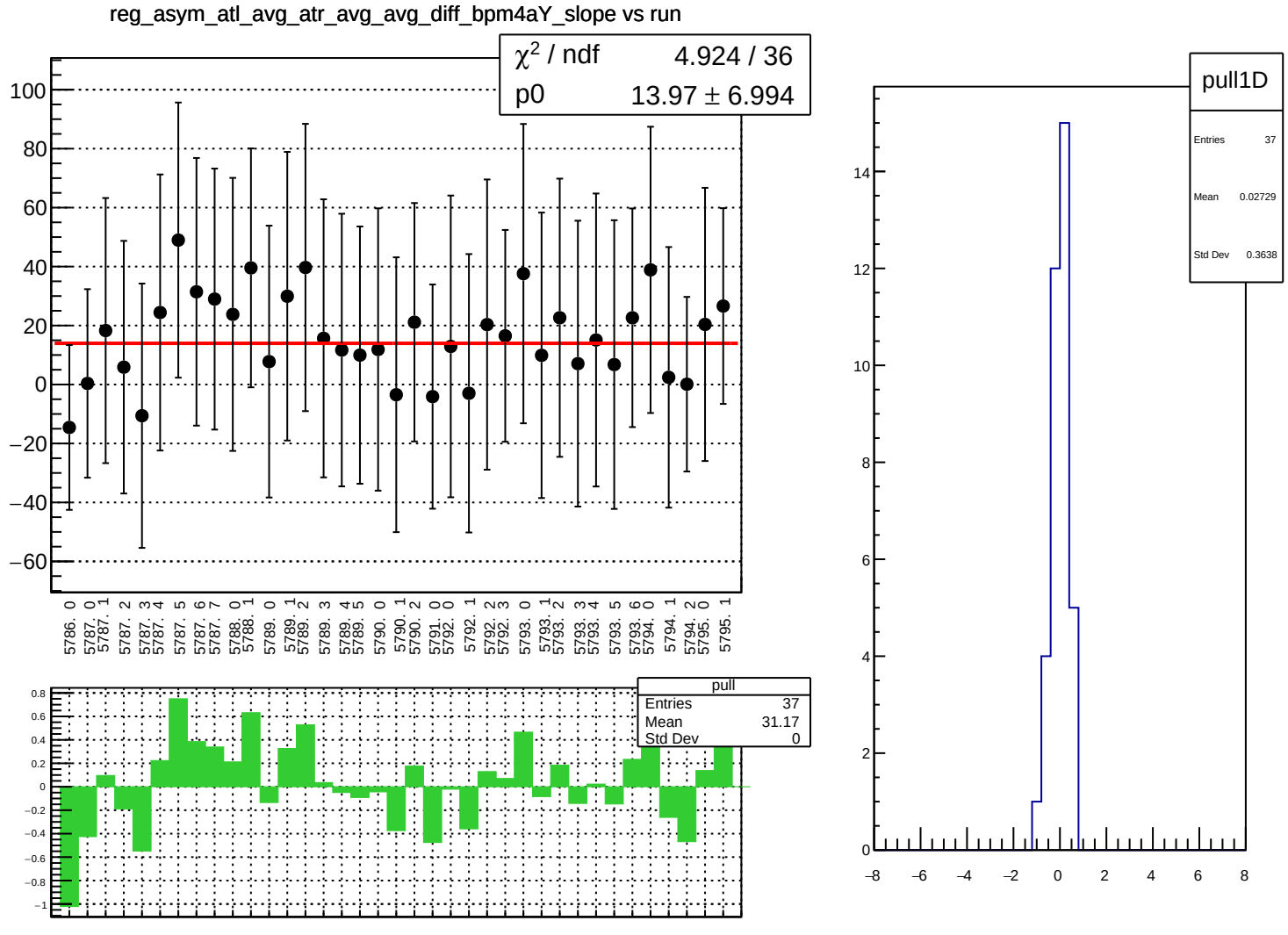

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 14.26 / 36
p0 147.8 ± 2.89
pull
Entries 37
Mean 559.3
Std Dev 0
pull1D
Entries 37
Mean −0.0008027
Std Dev 0.6209

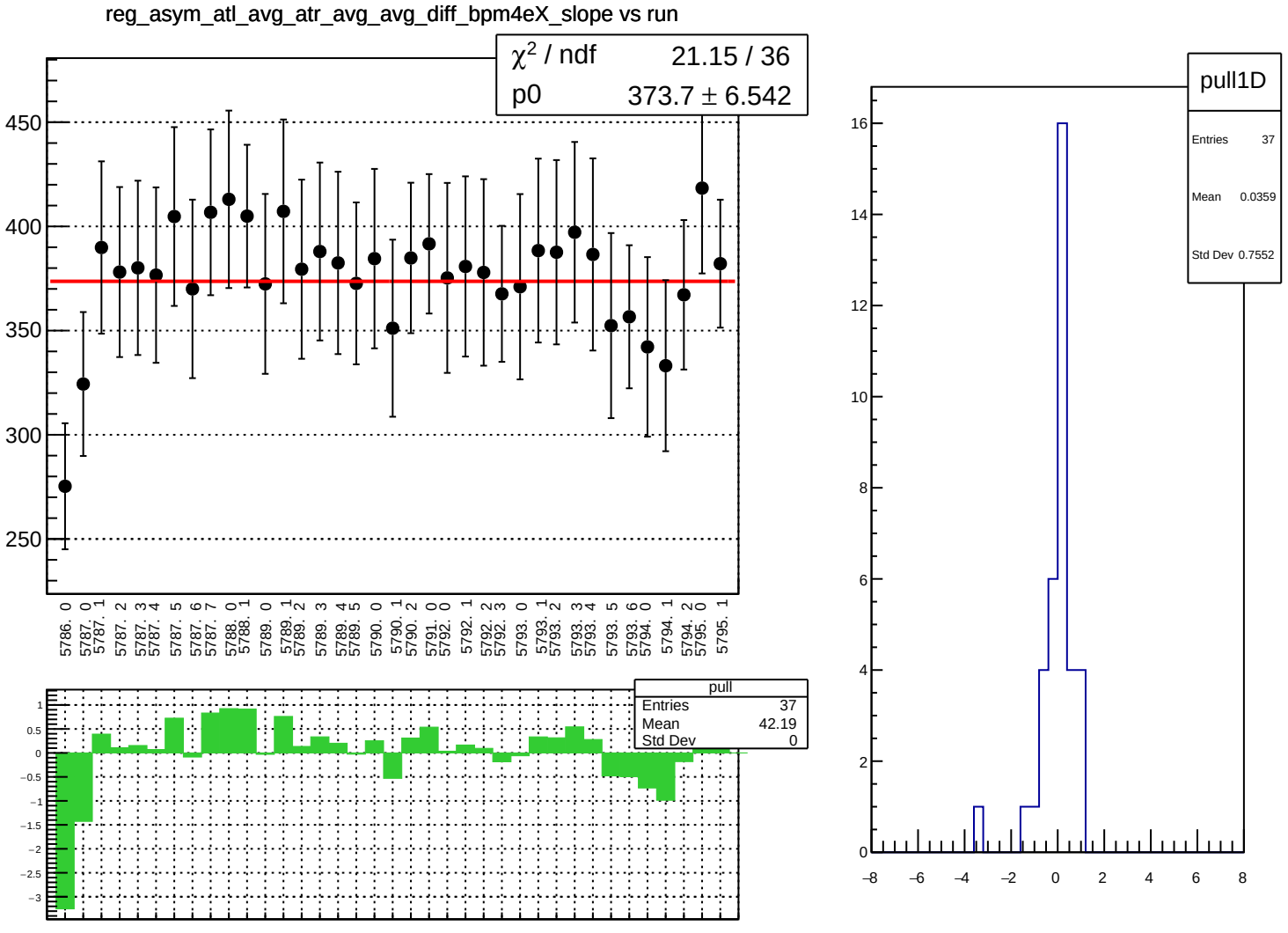

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 36
p0 6.022 ± 3.391
pull
Entries 37
Mean 46.08
Std Dev 0
pull1D
Entries 37
Mean −0.02148
Std Dev 0.6079

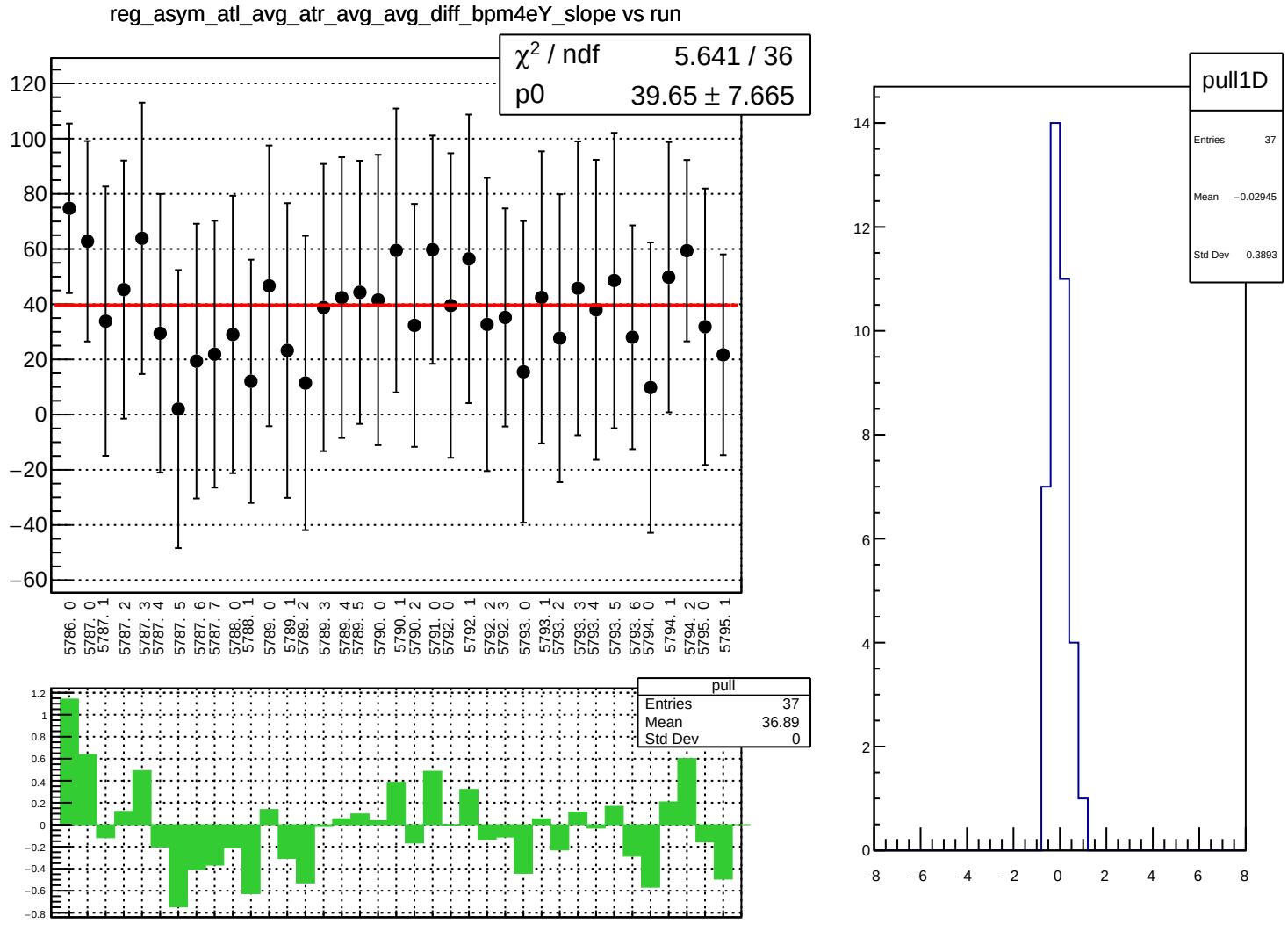

reg_asym_atl_dd_atr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 20.32 / 36
p0 −30.52 ± 0.2405
−26
−28
−30
−32
−34
−36
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −59.52
Std Dev 0
2
1
0
−1
−2
−3

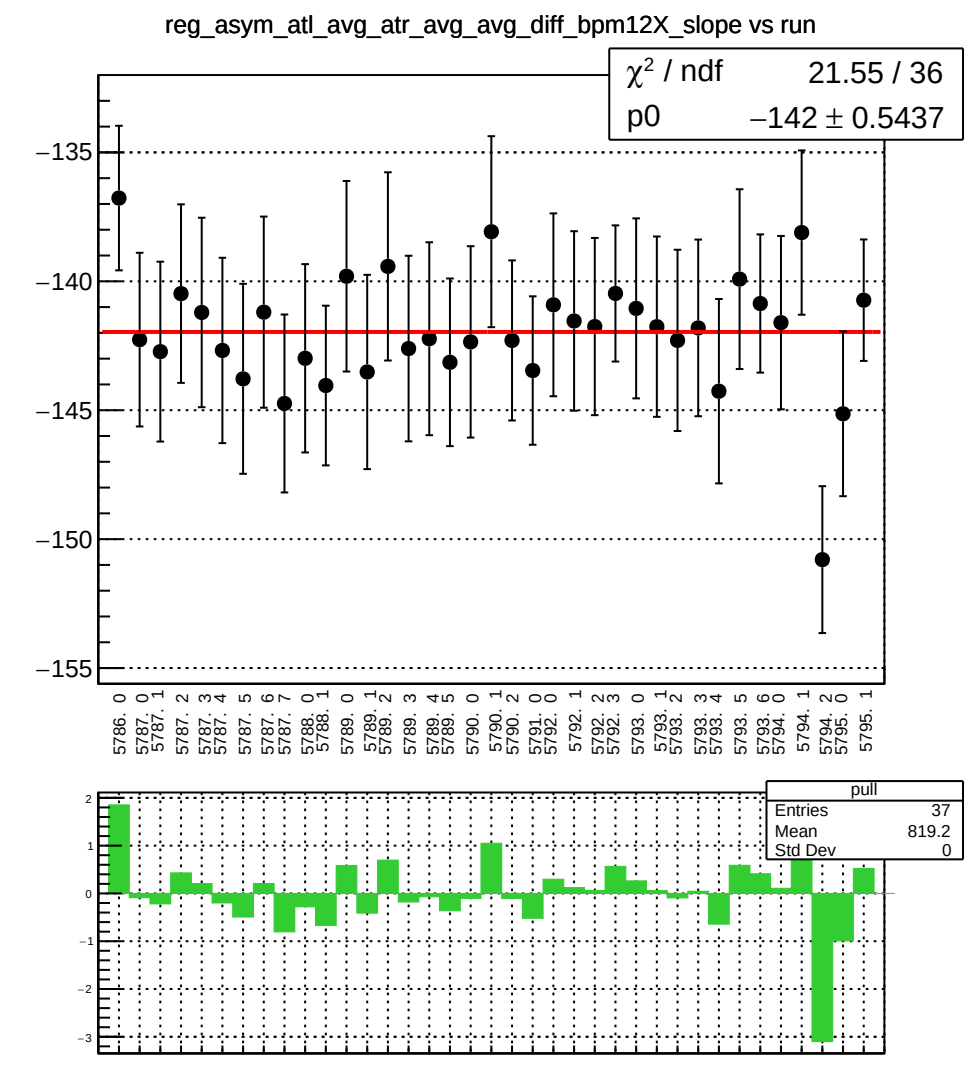

pull1D
Entries 37
Mean 0.009176
Std Dev 0.741
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

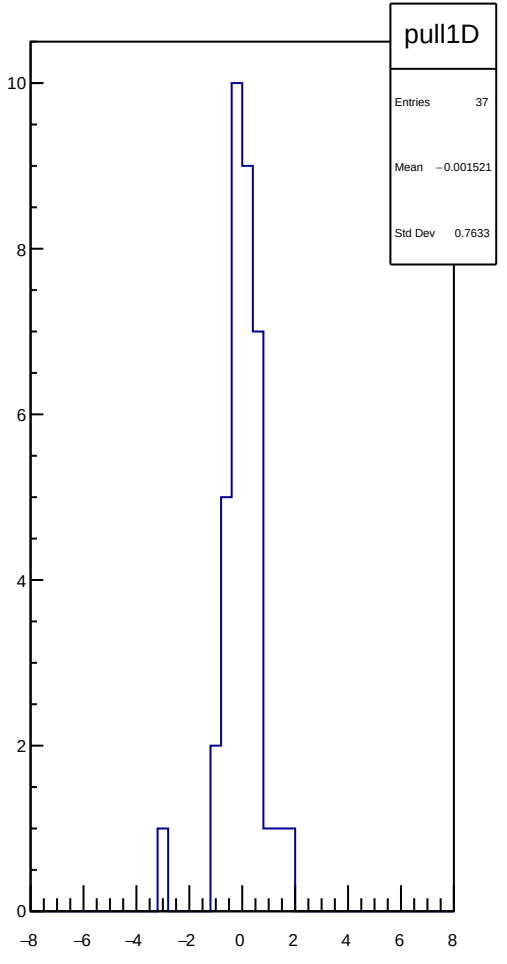

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 20.08 / 36
p0 −219.9 ± 4.563
−140
−160
−180
−200
−220
−240
−260
−280
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 62.28
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.03652
Std Dev 0.7358
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.924 / 36
p0 13.97 ± 6.994
pull
Entries 37
Mean 31.17
Std Dev 0
pull1D
Entries 37
Mean 0.02729
Std Dev 0.3638

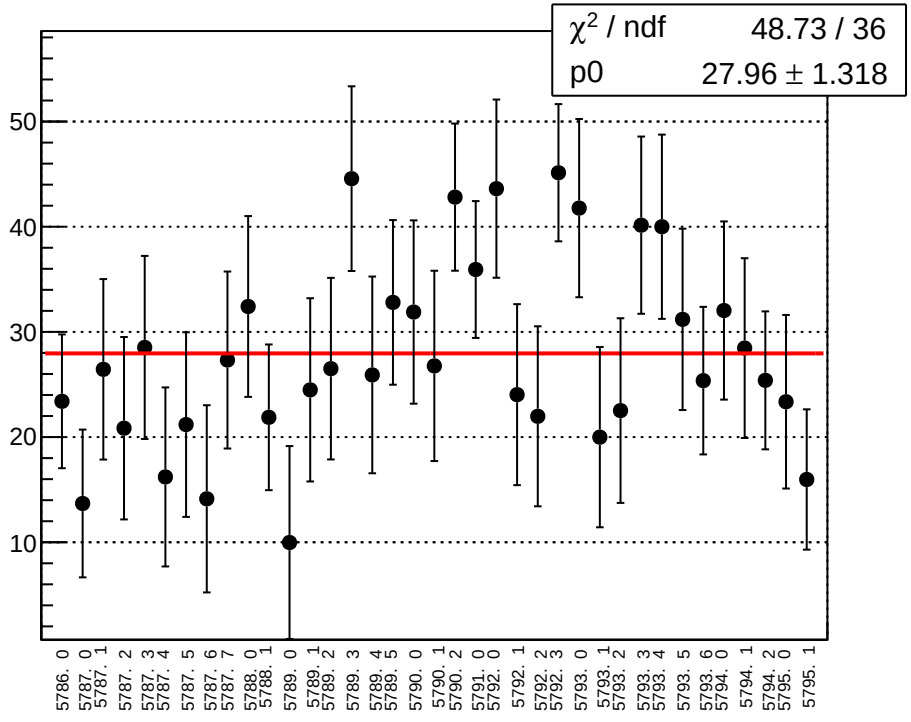

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.15 / 36
p0 373.7 ± 6.542
450
400
350
300
250
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 42.19
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3
pull1D
Entries 37
Mean 0.0359
Std Dev 0.7552
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

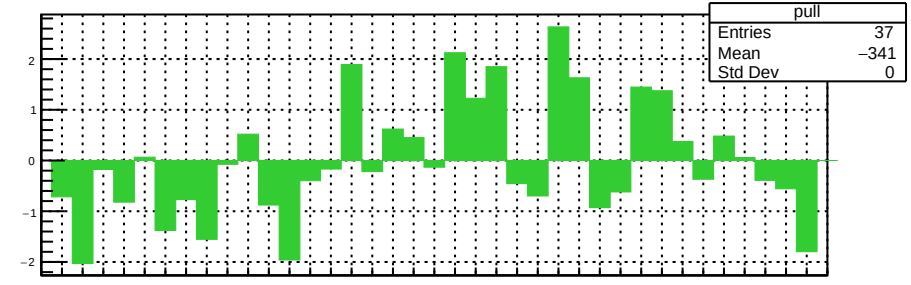

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 5.641 / 36
p0 39.65 ± 7.665
pull
Entries 37
Mean 36.89
Std Dev 0
pull1D
Entries 37
Mean −0.02945
Std Dev 0.3893

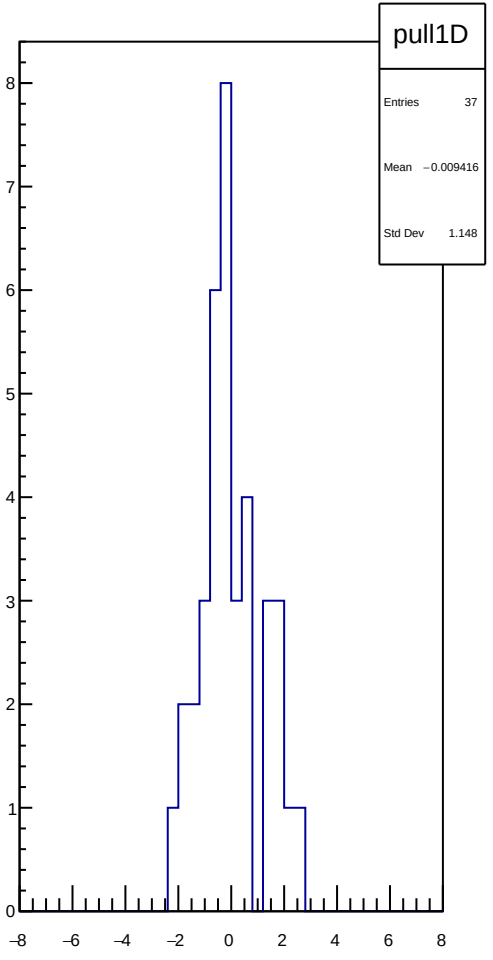

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 21.55 / 36
p0 −142 ± 0.5437
−135
−140
−145
−150
−155
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 819.2
Std Dev 0
2
1
0
−1
−2
−3

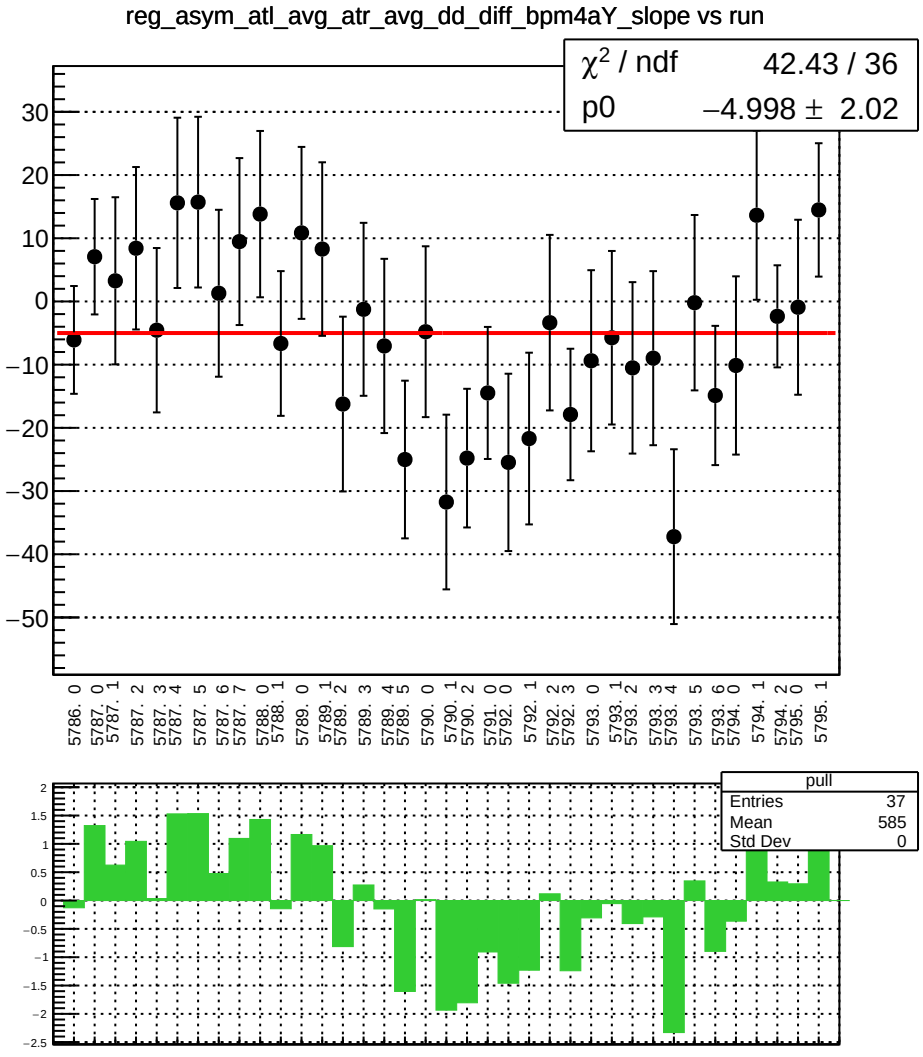

pull1D
Entries 37
Mean −0.001521
Std Dev 0.7633
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

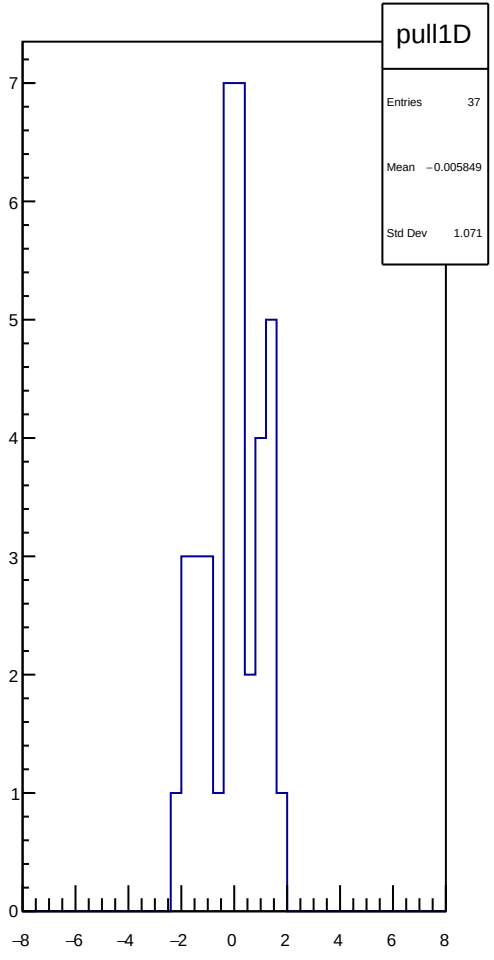
reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs run

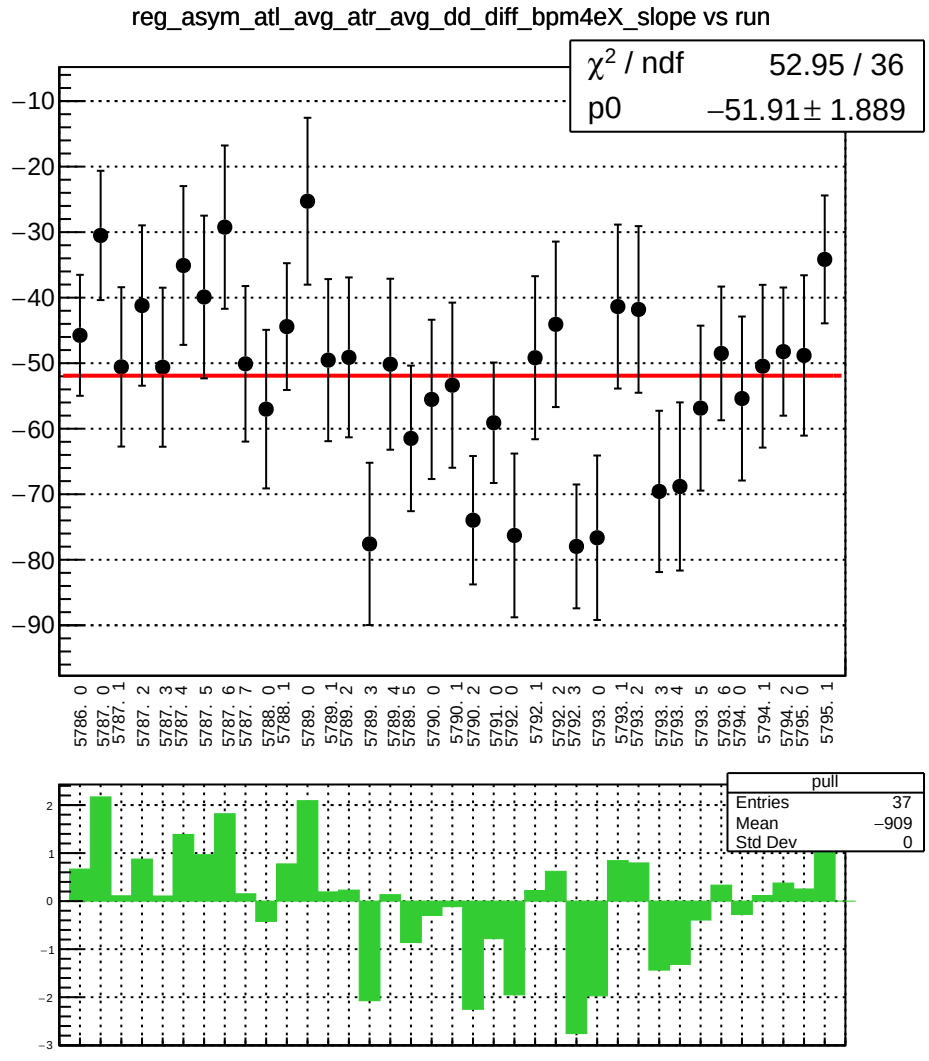


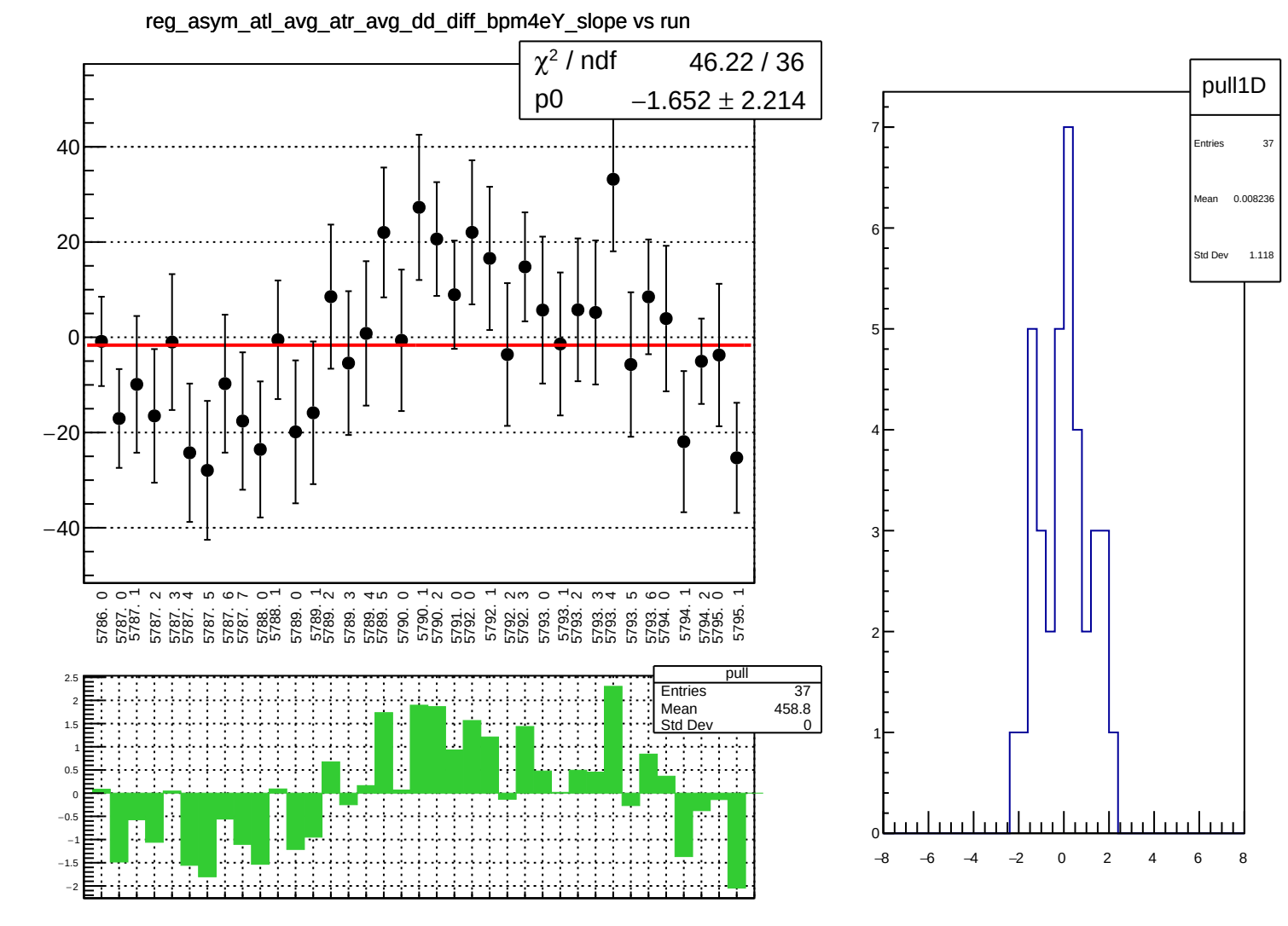


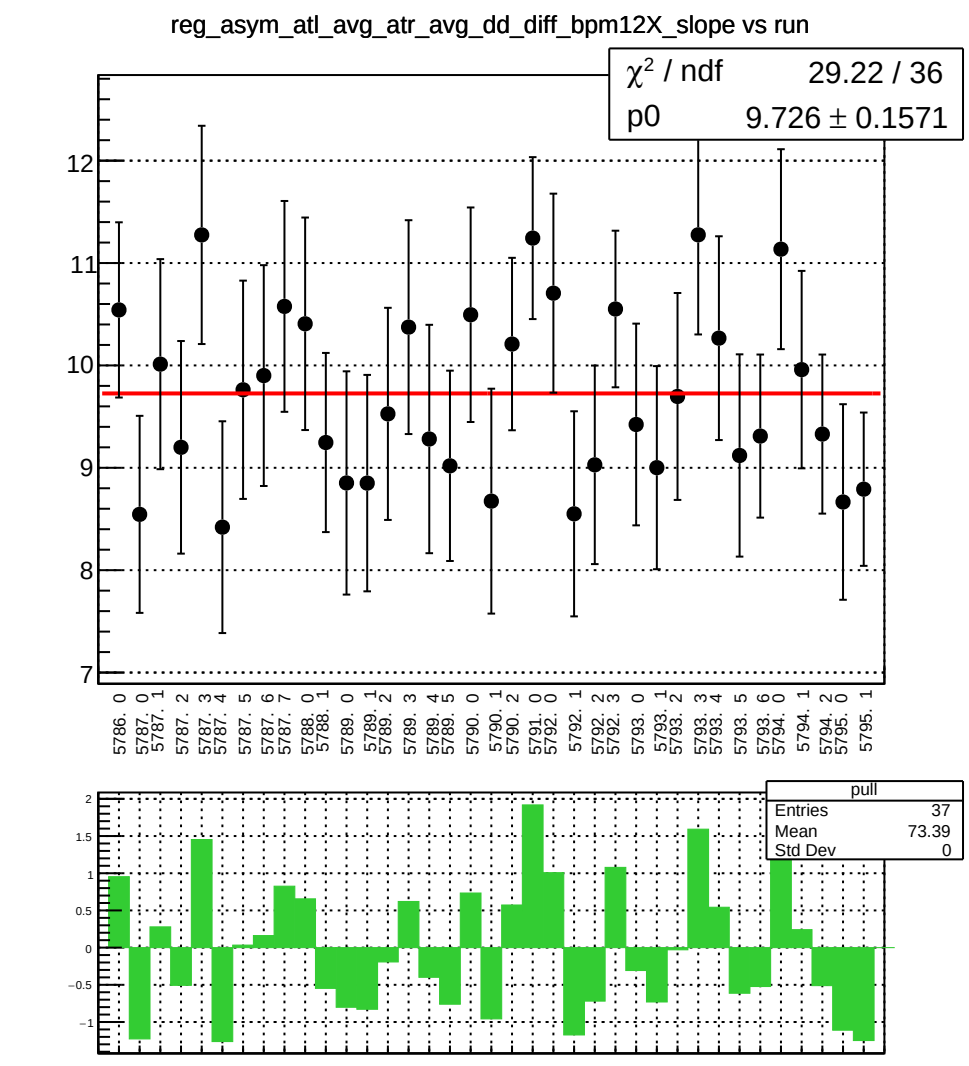


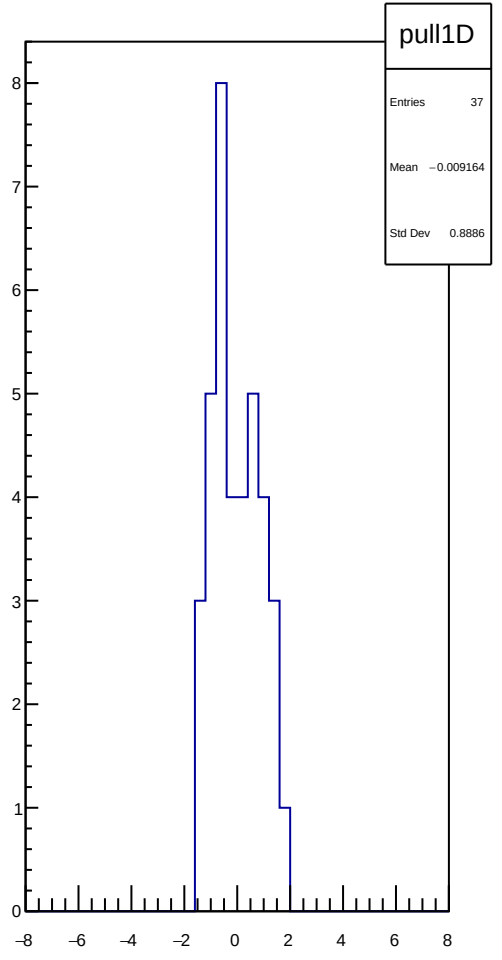

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 42.43 / 36
p0 −4.998 ± 2.02
pull
Entries 37
Mean 585
Std Dev 0

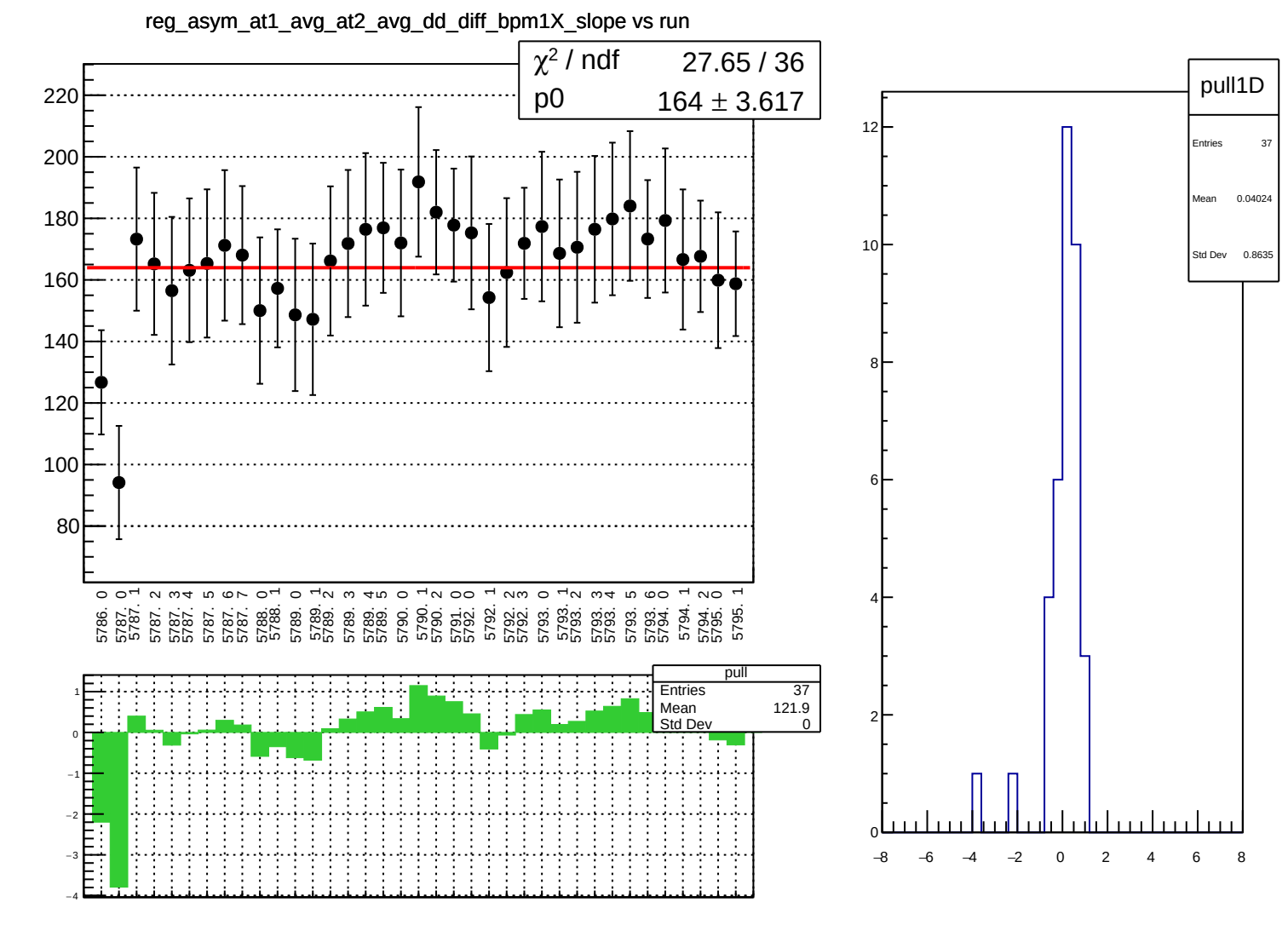

pull1D
Entries 37
Mean −0.005849
Std Dev 1.071

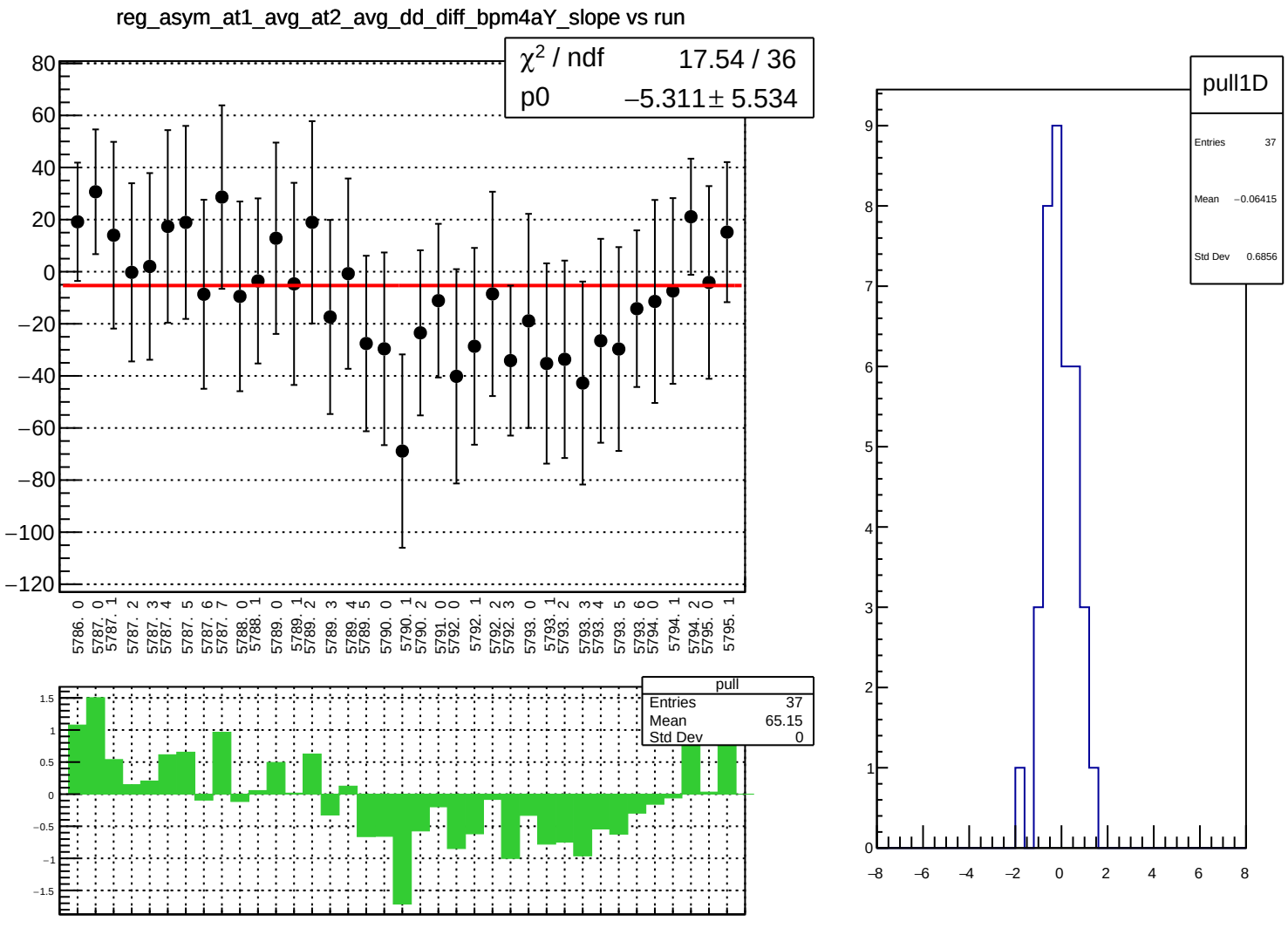

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 52.95 / 36
p0 −51.91 ± 1.889
−10
−20
−30
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −909
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.003973
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

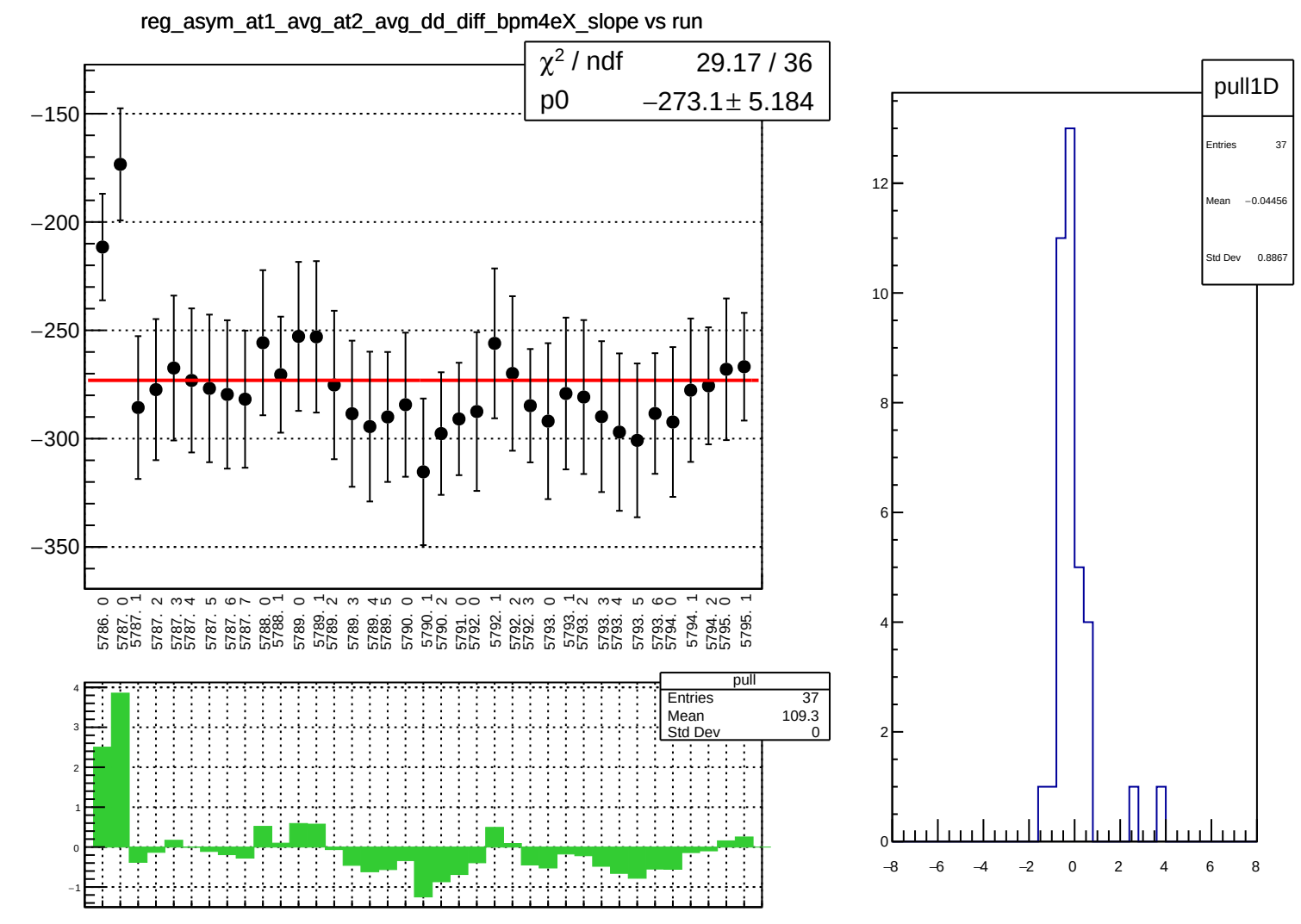

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 46.22 / 36
p0 −1.652 ± 2.214
pull
Entries 37
Mean 458.8
Std Dev 0
pull1D
Entries 37
Mean 0.008236
Std Dev 1.118

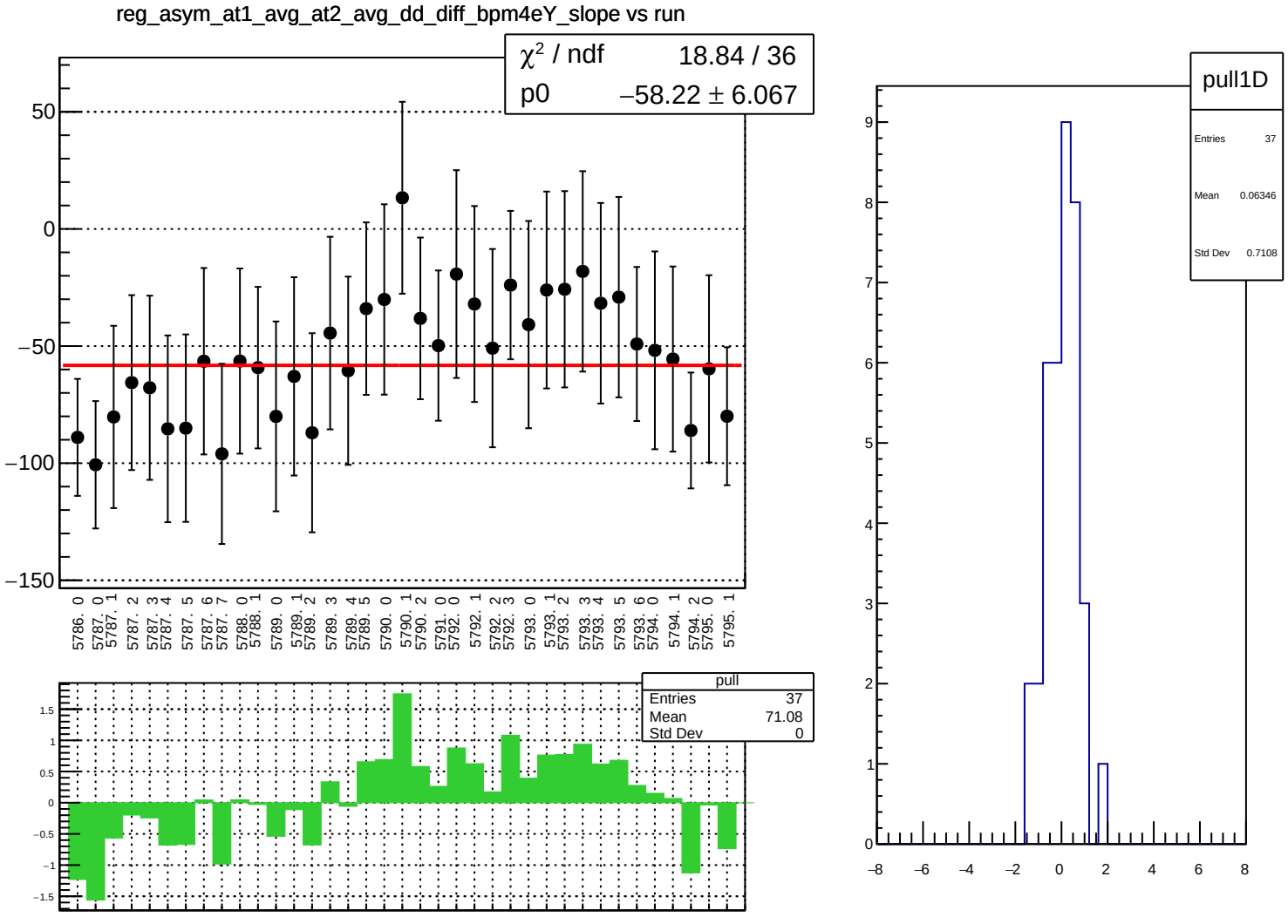

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 29.22 / 36
p0 9.726 ± 0.1571
pull
Entries 37
Mean 73.39
Std Dev 0

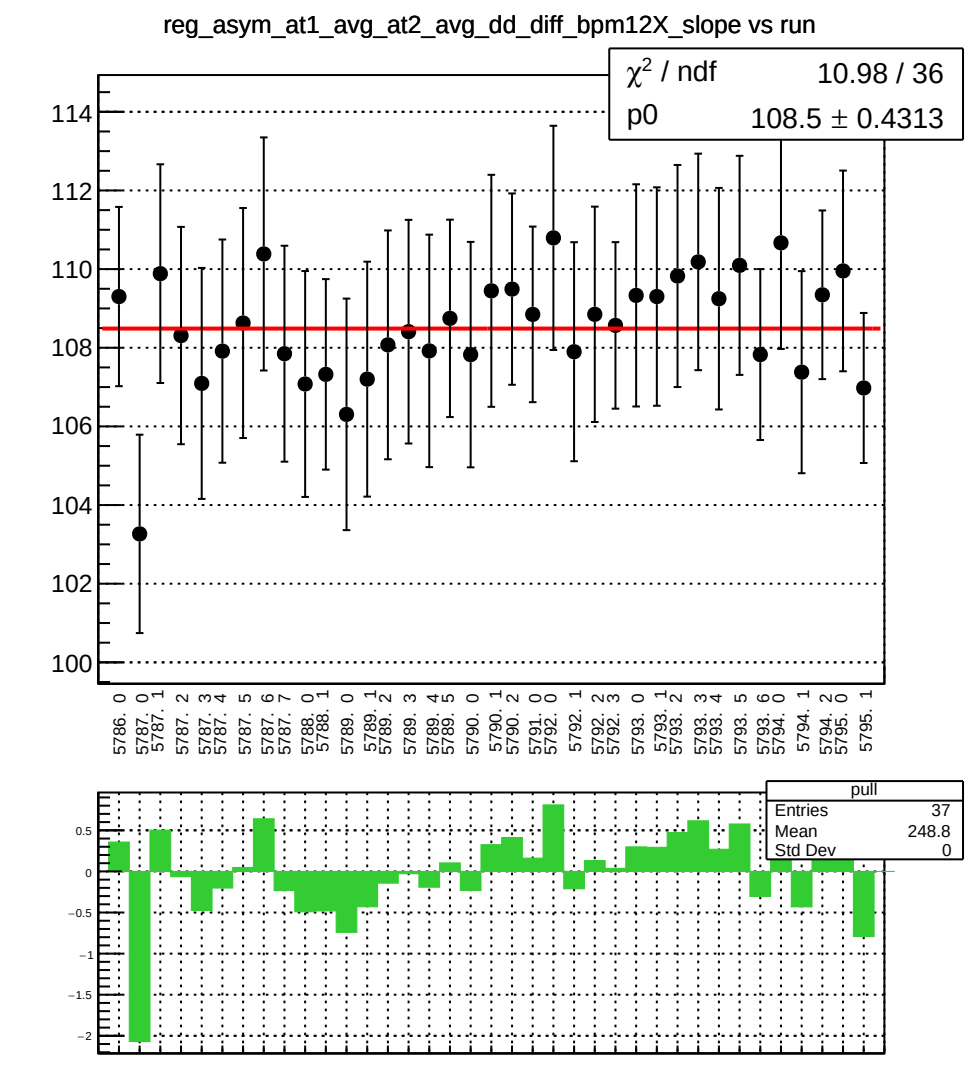

pull1D
Entries 37
Mean −0.009164
Std Dev 0.8886

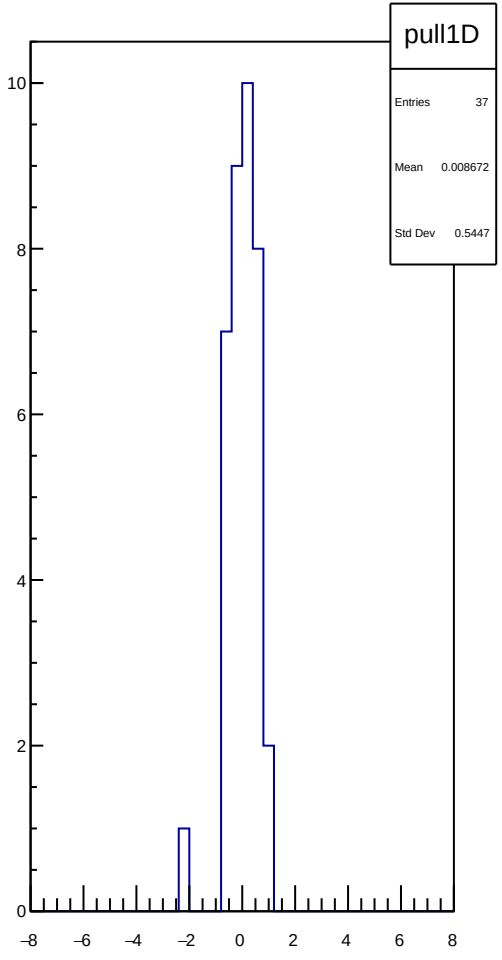

reg_asym_at1_avg_at2_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 27.65 / 36
p0 164 ± 3.617
pull
Entries 37
Mean 121.9
Std Dev 0
pull1D
Entries 37
Mean 0.04024
Std Dev 0.8635

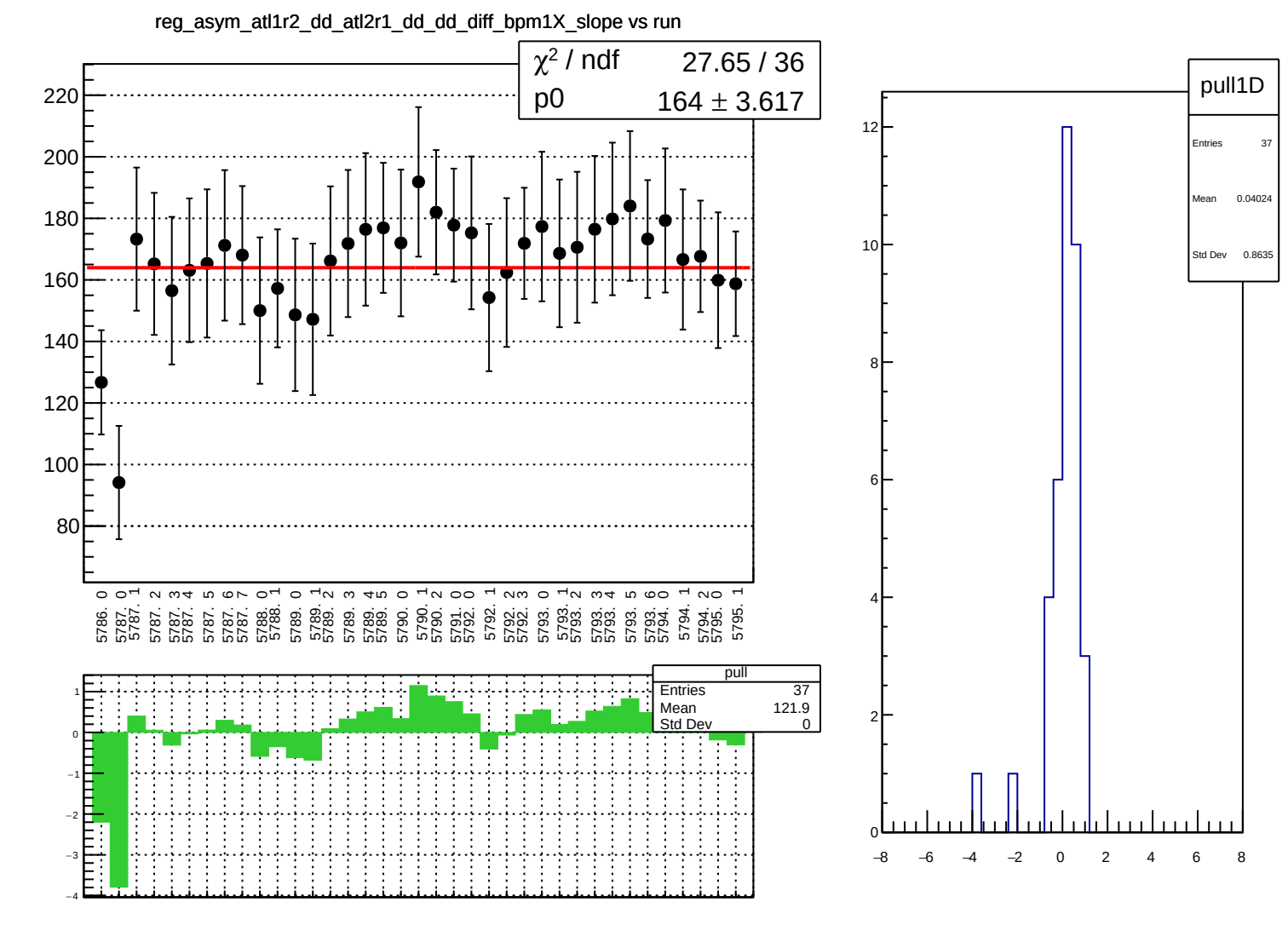

reg_asym_at1_avg_at2_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.54 / 36
p0 −5.311 ± 5.534
pull
Entries 37
Mean 65.15
Std Dev 0
pull1D
Entries 37
Mean −0.06415
Std Dev 0.6856

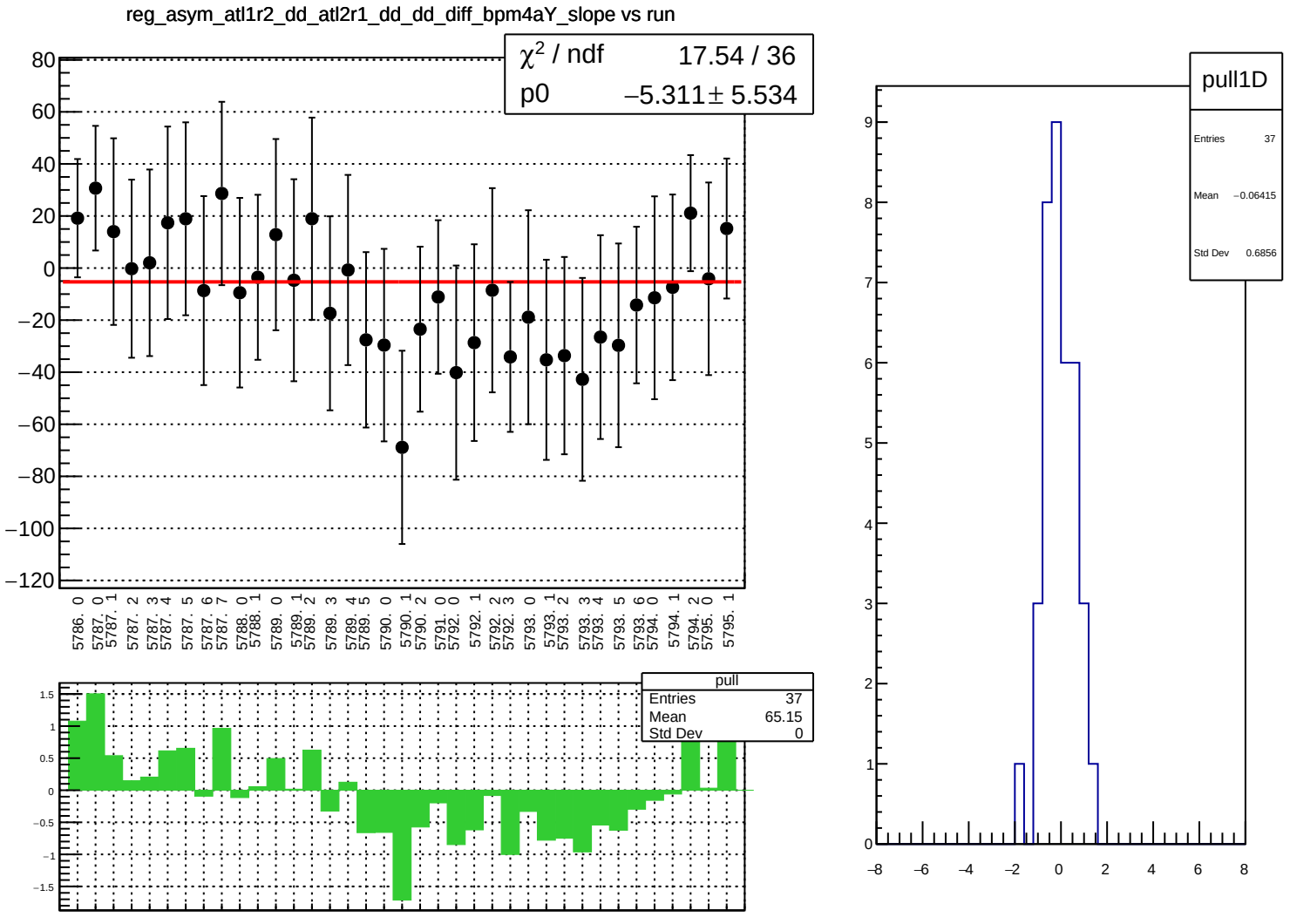

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 36
p0 −273.1 ± 5.184
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 109.3
Std Dev 0
pull1D
Entries 37
Mean −0.04456
Std Dev 0.8867

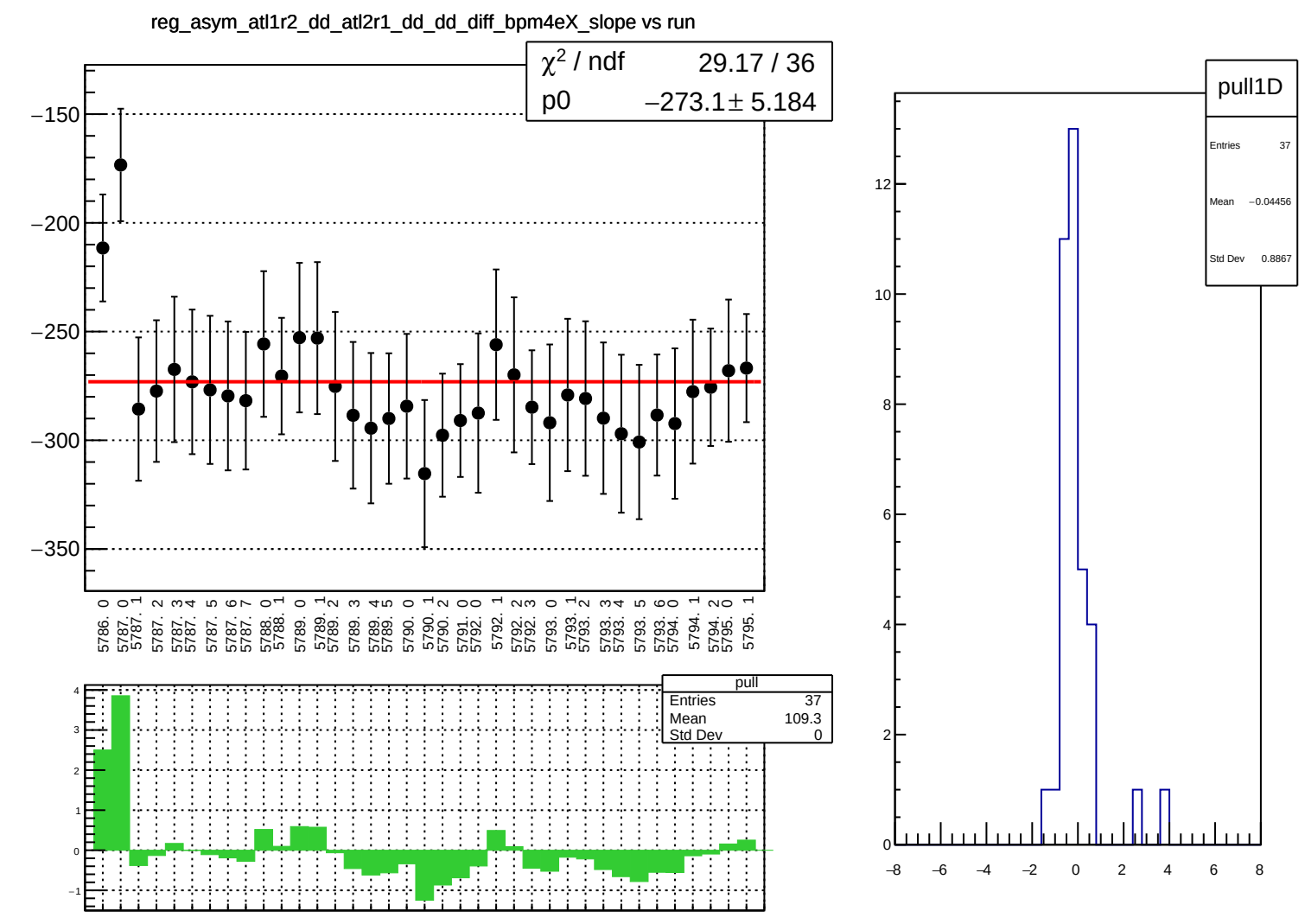

reg_asym_at1_avg_at2_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.84 / 36
p0 −58.22 ± 6.067
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.06346
Std Dev 0.7108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

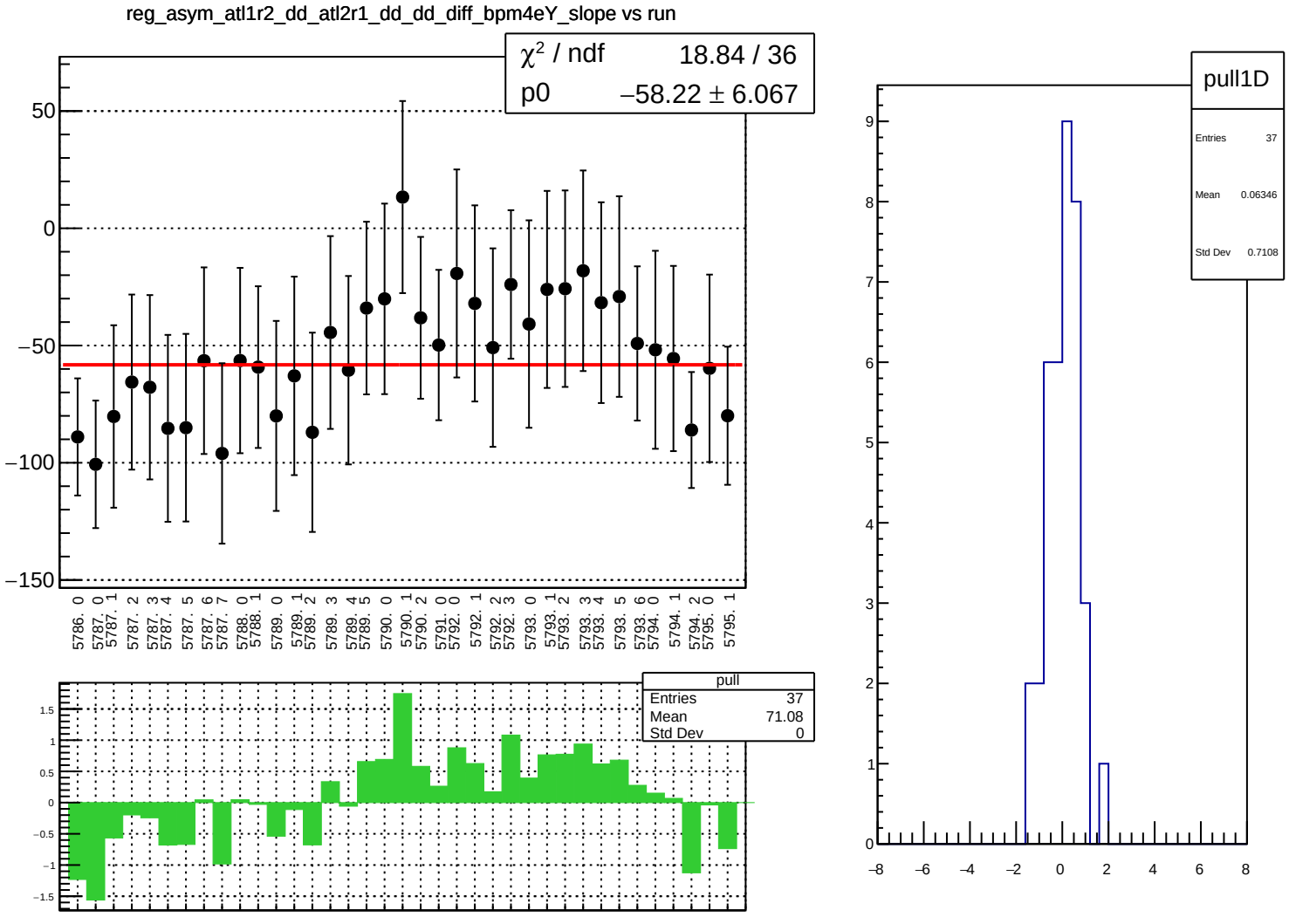

reg_asym_at1_avg_at2_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 10.98 / 36
p0 108.5 ± 0.4313
pull
Entries 37
Mean 248.8
Std Dev 0

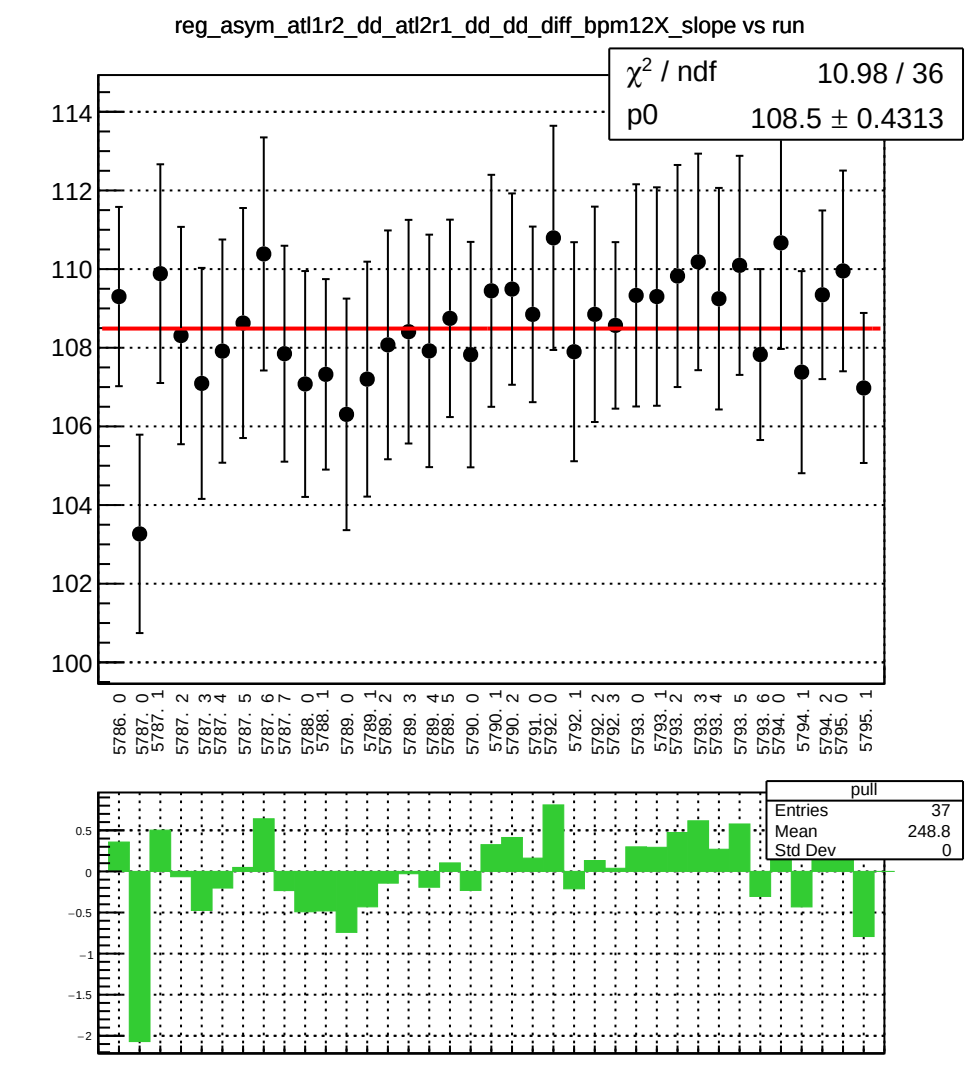

pull1D
Entries 37
Mean 0.008672
Std Dev 0.5447

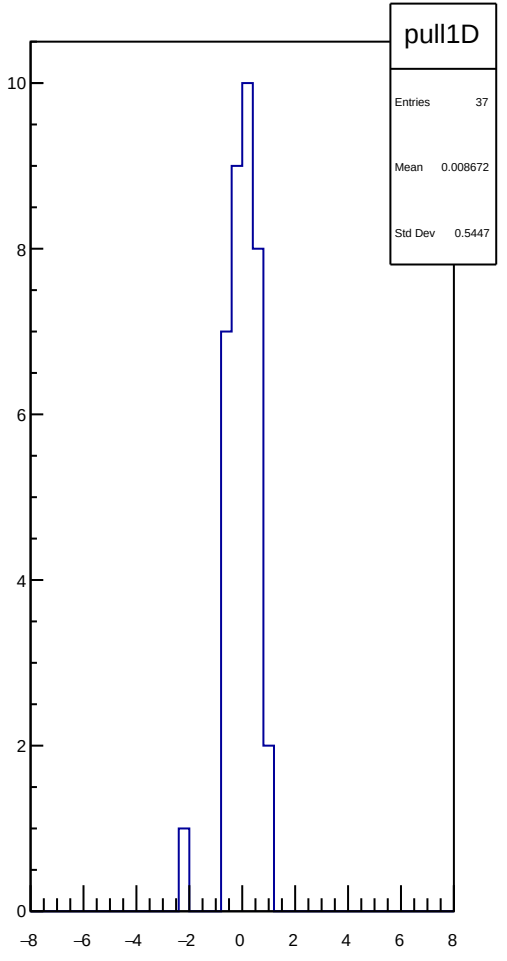

reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 27.65 / 36
p0 164 ± 3.617
pull
Entries 37
Mean 121.9
Std Dev 0
pull1D
Entries 37
Mean 0.04024
Std Dev 0.8635


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 17.54 / 36
p0 −5.311 ± 5.534
pull
Entries 37
Mean 65.15
Std Dev 0
pull1D
Entries 37
Mean −0.06415
Std Dev 0.6856


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 29.17 / 36
p0 −273.1 ± 5.184
−150
−200
−250
−300
−350
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 109.3
Std Dev 0
4
3
2
1
0
−1
pull1D
Entries 37
Mean −0.04456
Std Dev 0.8867
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.84 / 36
p0 −58.22 ± 6.067
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 71.08
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean 0.06346
Std Dev 0.7108
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8


reg_asym_atl1r2_dd_atl2r1_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 10.98 / 36
p0 108.5 ± 0.4313
114
112
110
108
106
104
102
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 248.8
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2


pull1D
Entries 37
Mean 0.008672
Std Dev 0.5447
10
8
6
4
2
0
−8
−6
−4
−2
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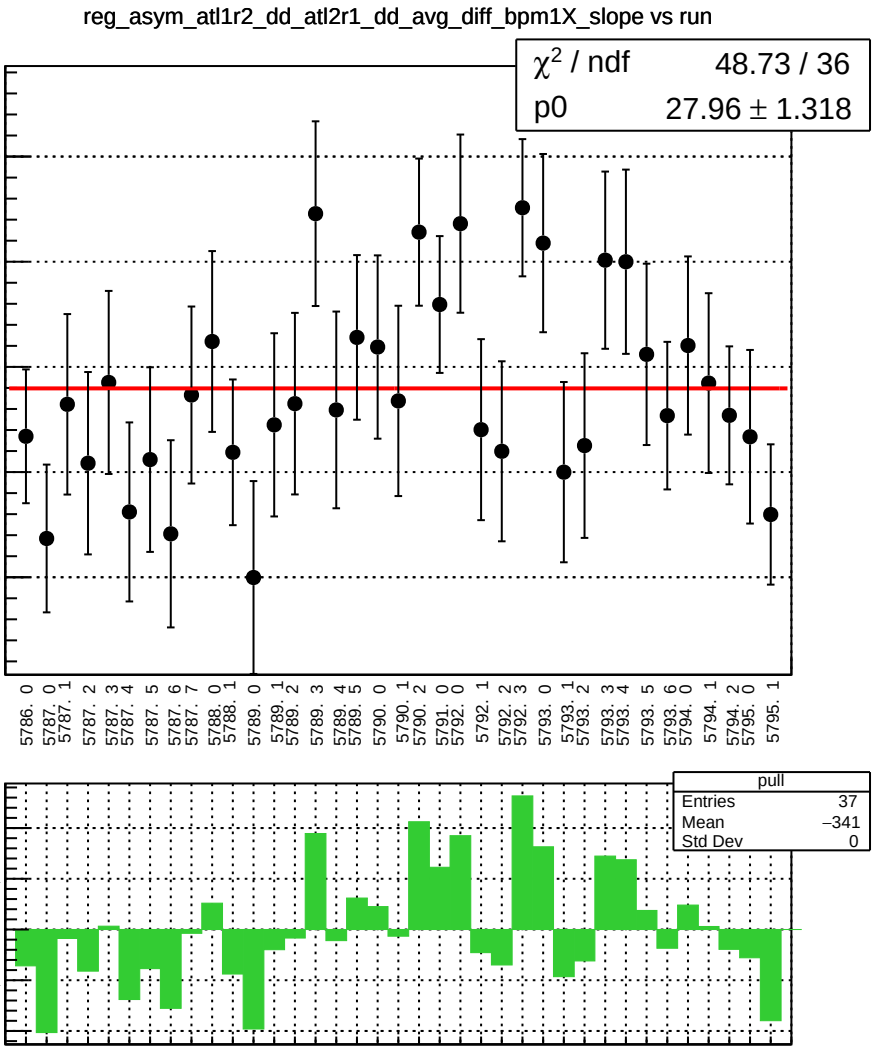
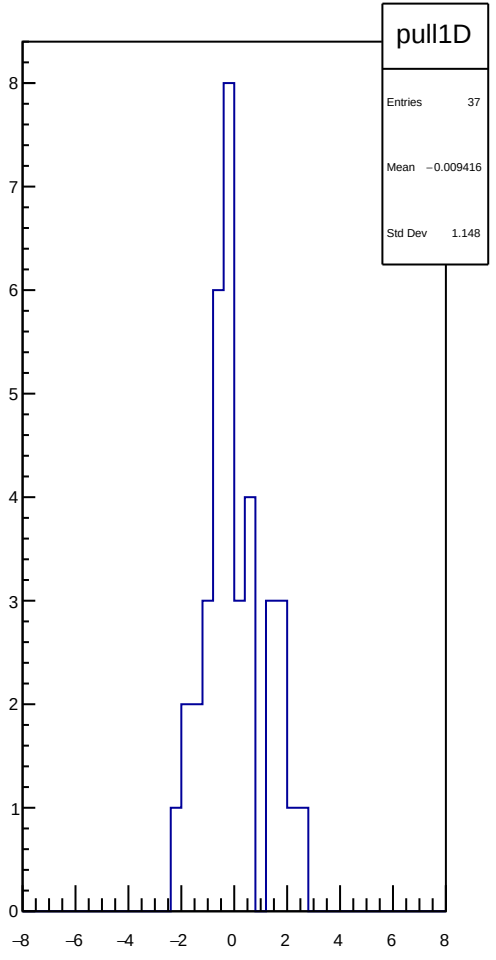
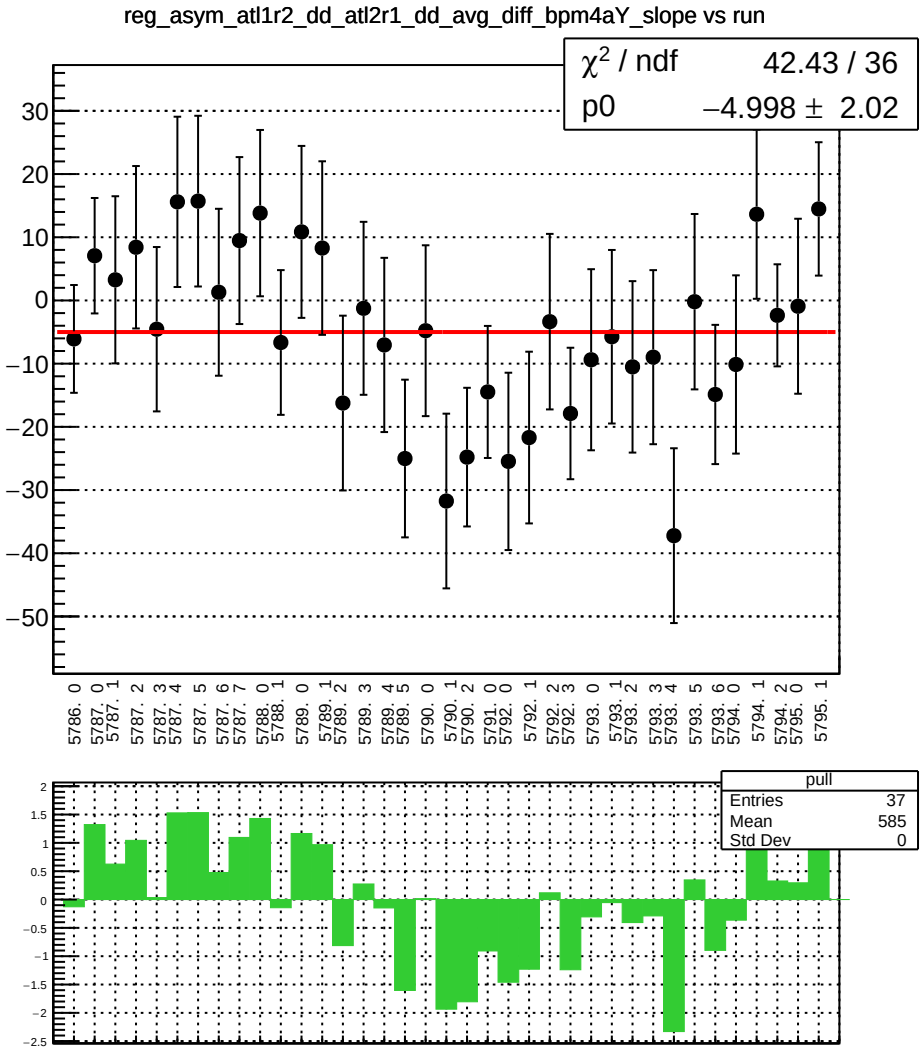
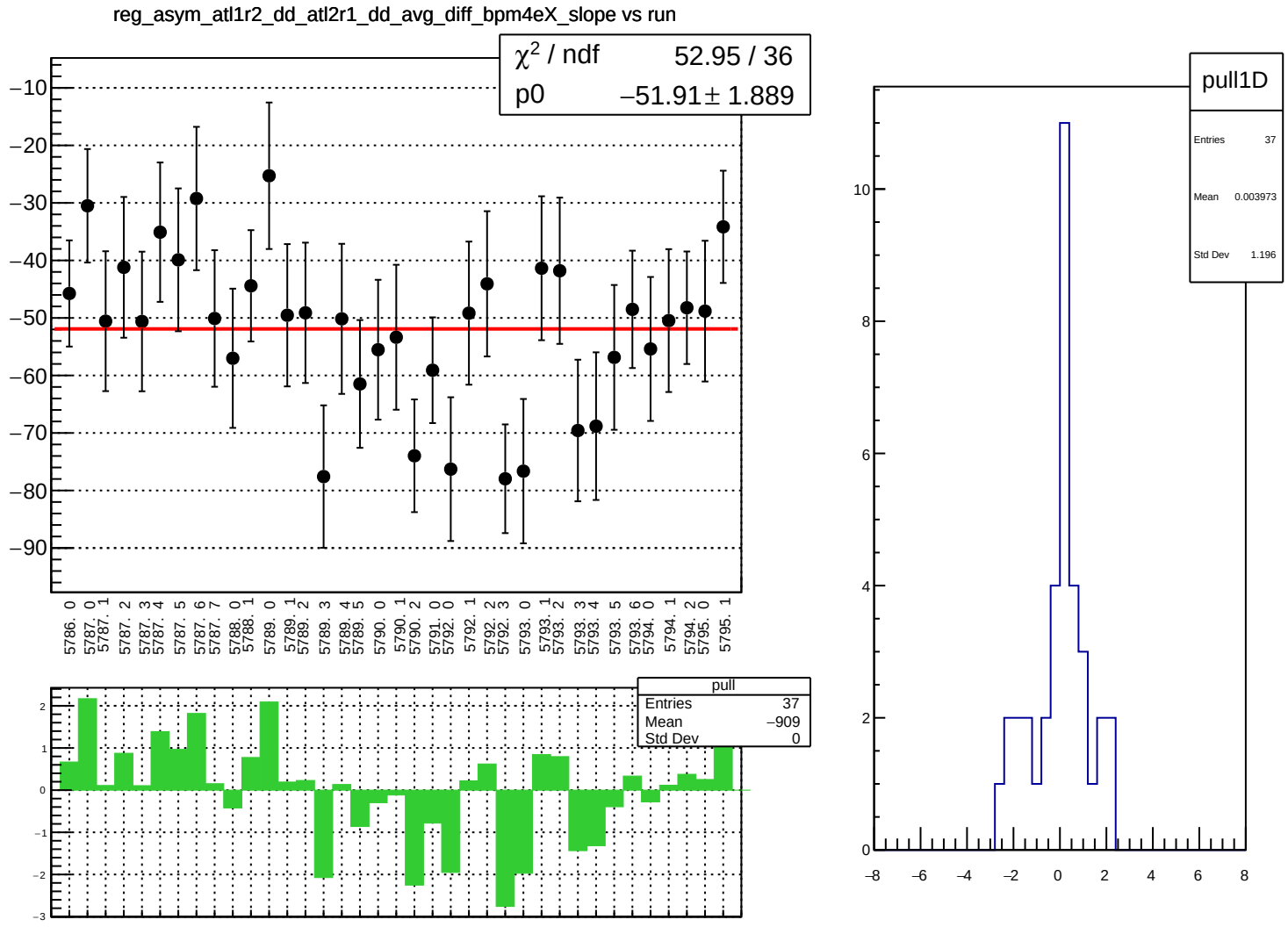
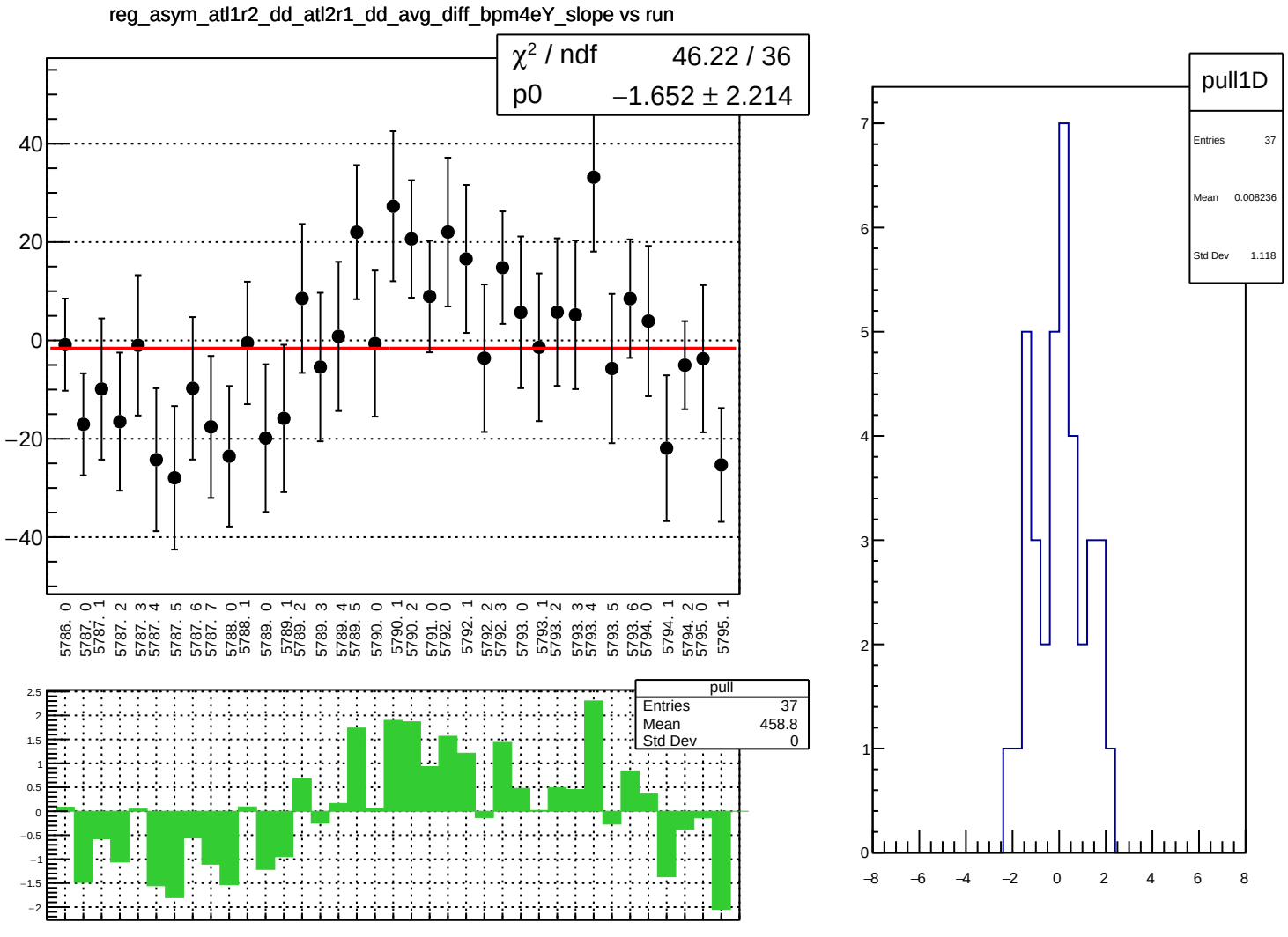
2
4
6
8

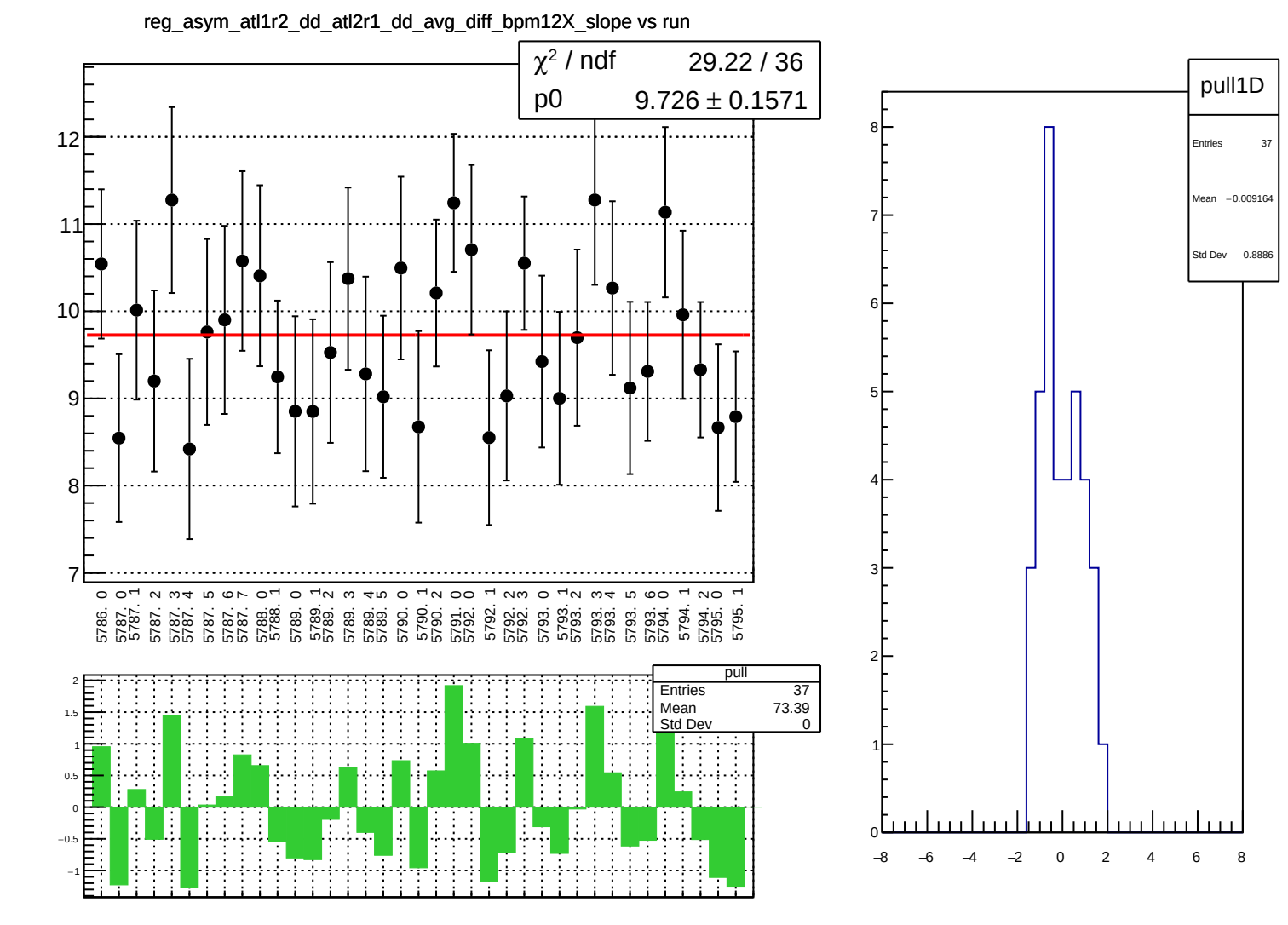

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 48.73 / 36
p0 27.96 ± 1.318
pull
Entries 37
Mean −341
Std Dev 0

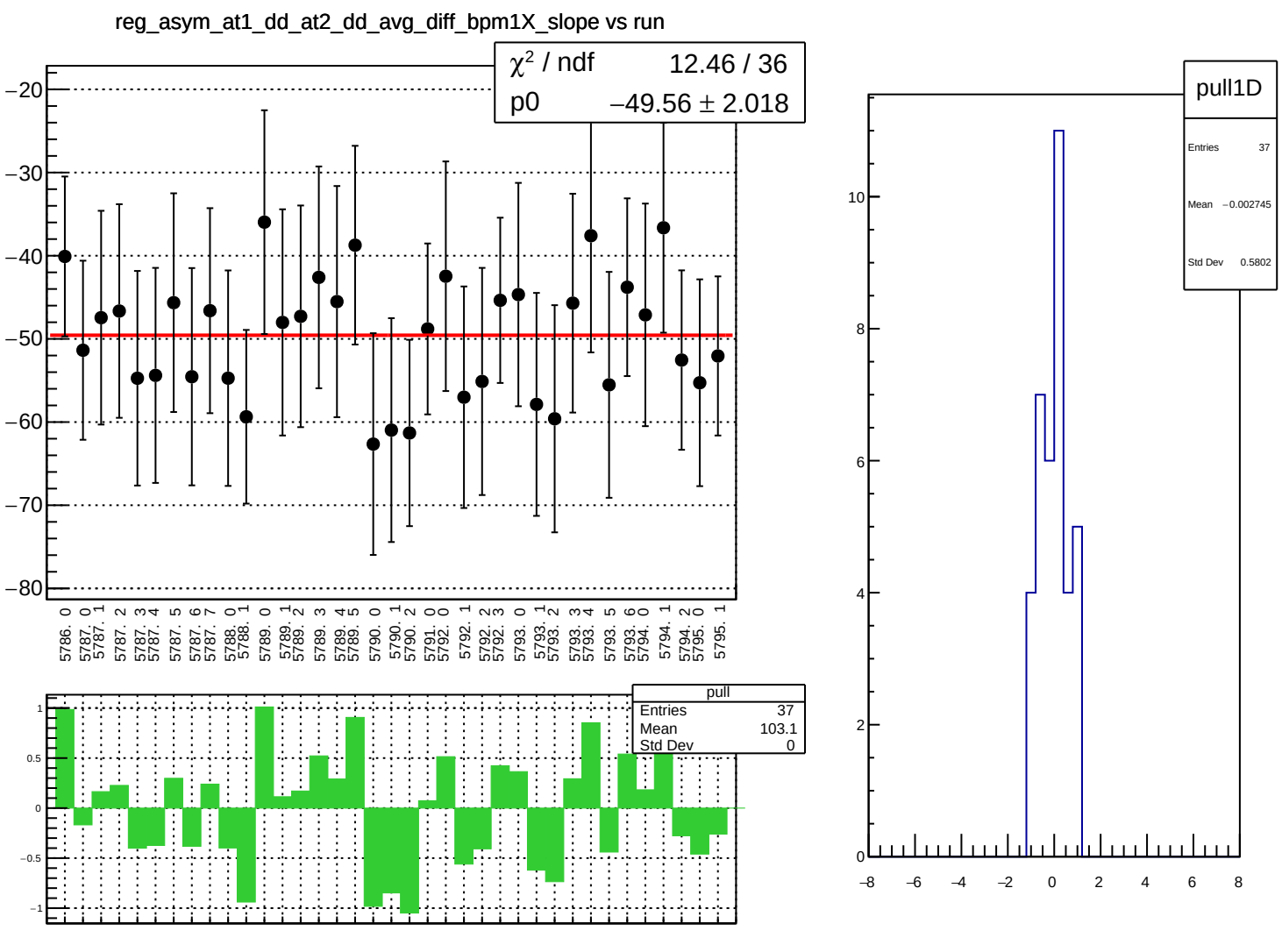

pull1D
Entries 37
Mean −0.009416
Std Dev 1.148

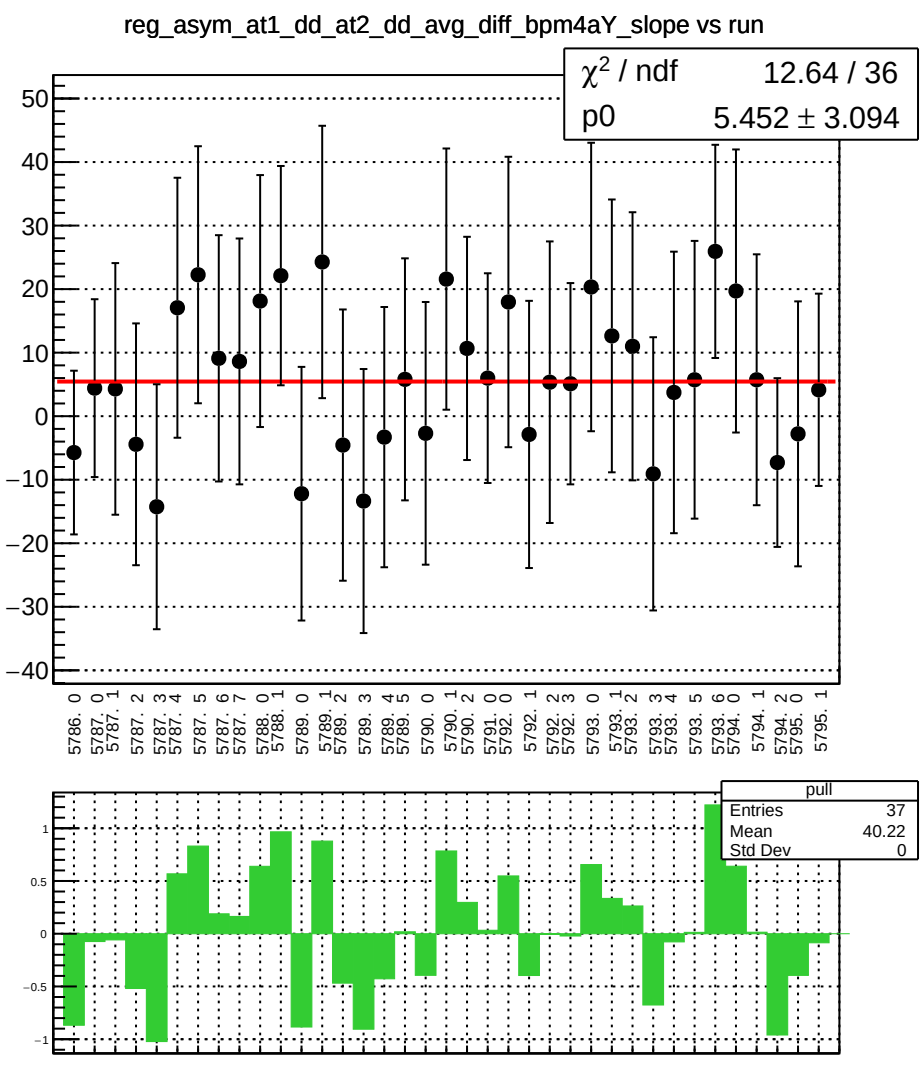

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 42.43 / 36
p0 −4.998 ± 2.02
pull
Entries 37
Mean 585
Std Dev 0
pull1D
Entries 37
Mean −0.005849
Std Dev 1.071

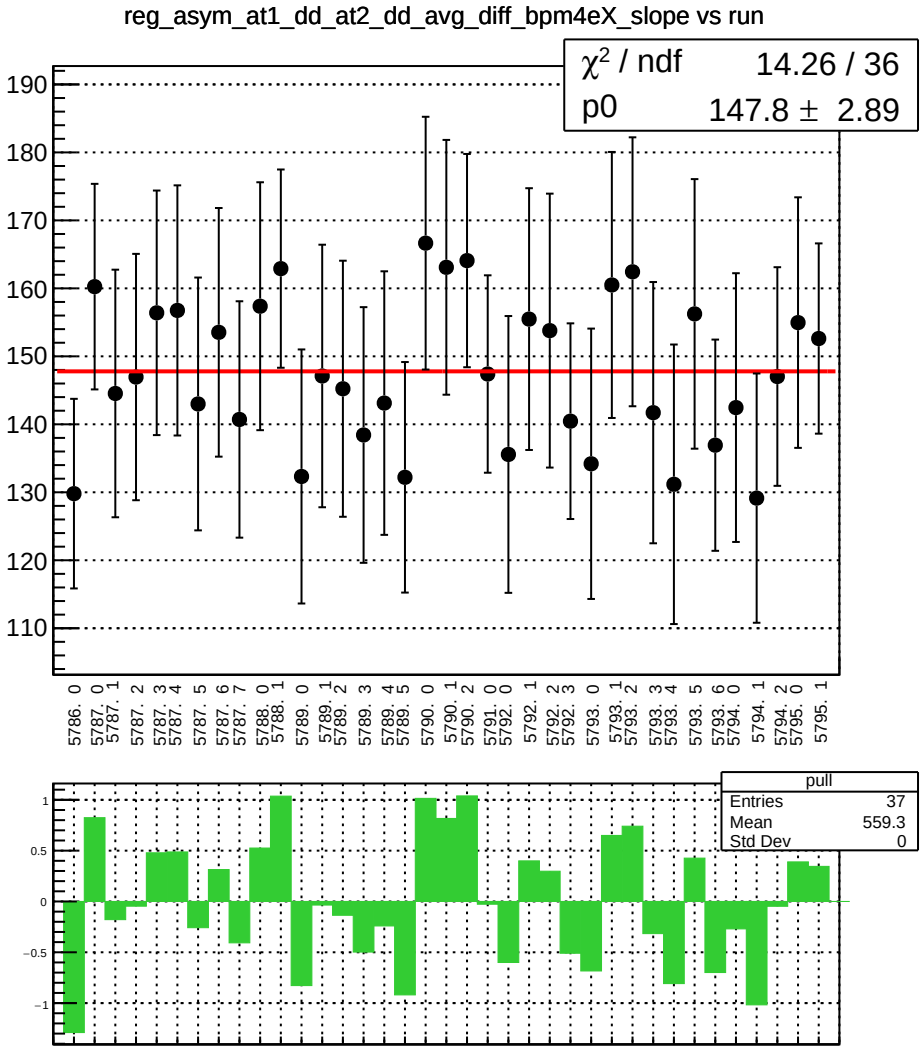

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 52.95 / 36
p0 −51.91 ± 1.889
−10
−20
−30
−40
−50
−60
−70
−80
−90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −909
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.003973
Std Dev 1.196
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

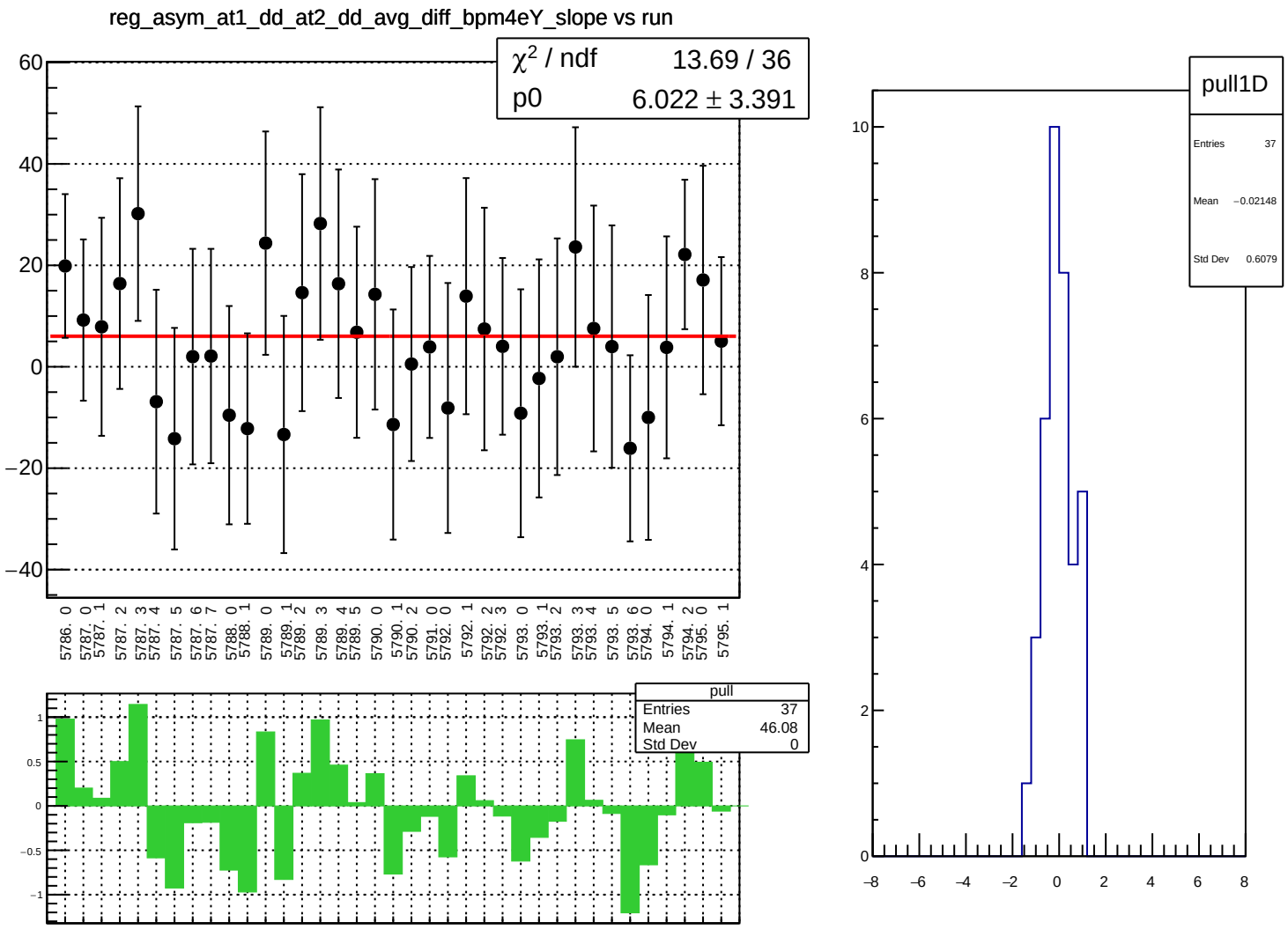

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 46.22 / 36
p0 −1.652 ± 2.214
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 458.8
Std Dev 0
2.5
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.008236
Std Dev 1.118
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

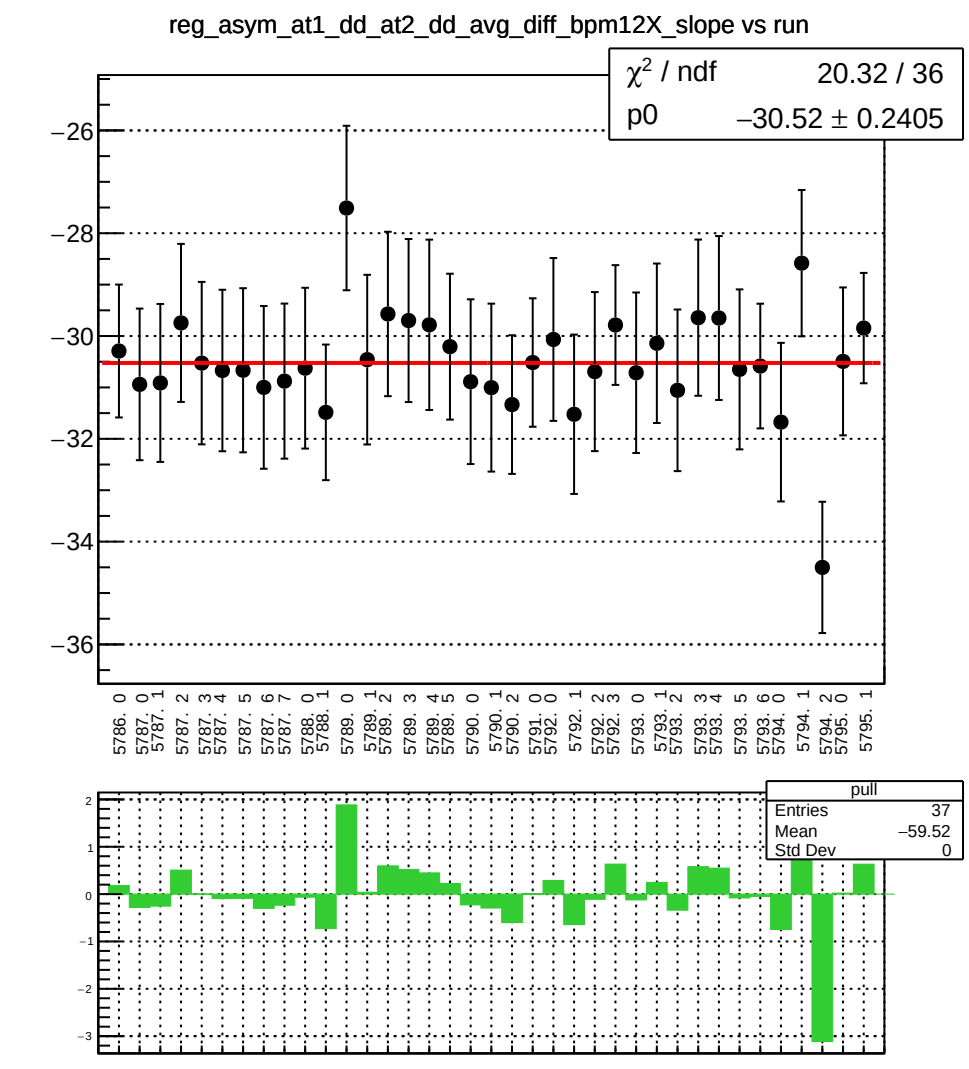

reg_asym_atl1r2_dd_atl2r1_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 29.22 / 36
p0 9.726 ± 0.1571
pull
Entries 37
Mean 73.39
Std Dev 0
pull1D
Entries 37
Mean −0.009164
Std Dev 0.8886

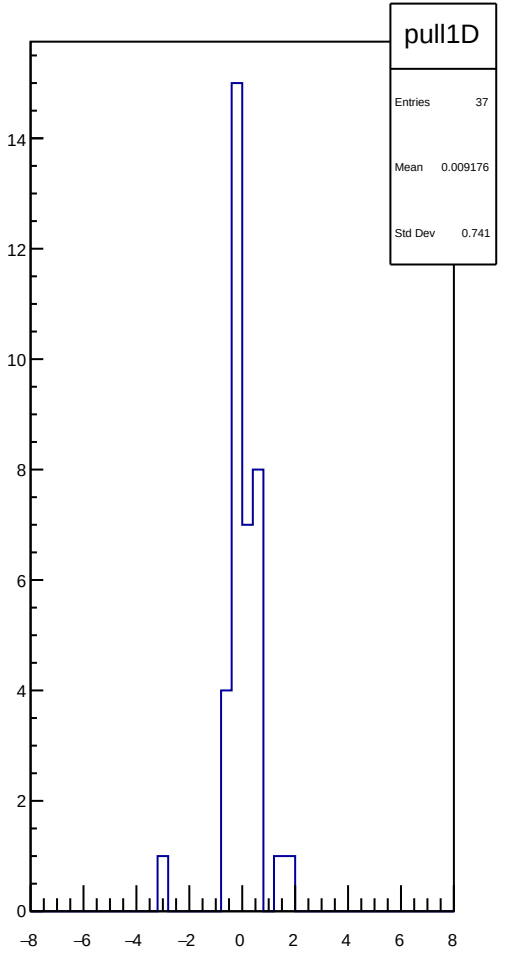

reg_asym_at1_dd_at2_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 12.46 / 36
p0 −49.56 ± 2.018
pull
Entries 37
Mean 103.1
Std Dev 0
pull1D
Entries 37
Mean −0.002745
Std Dev 0.5802

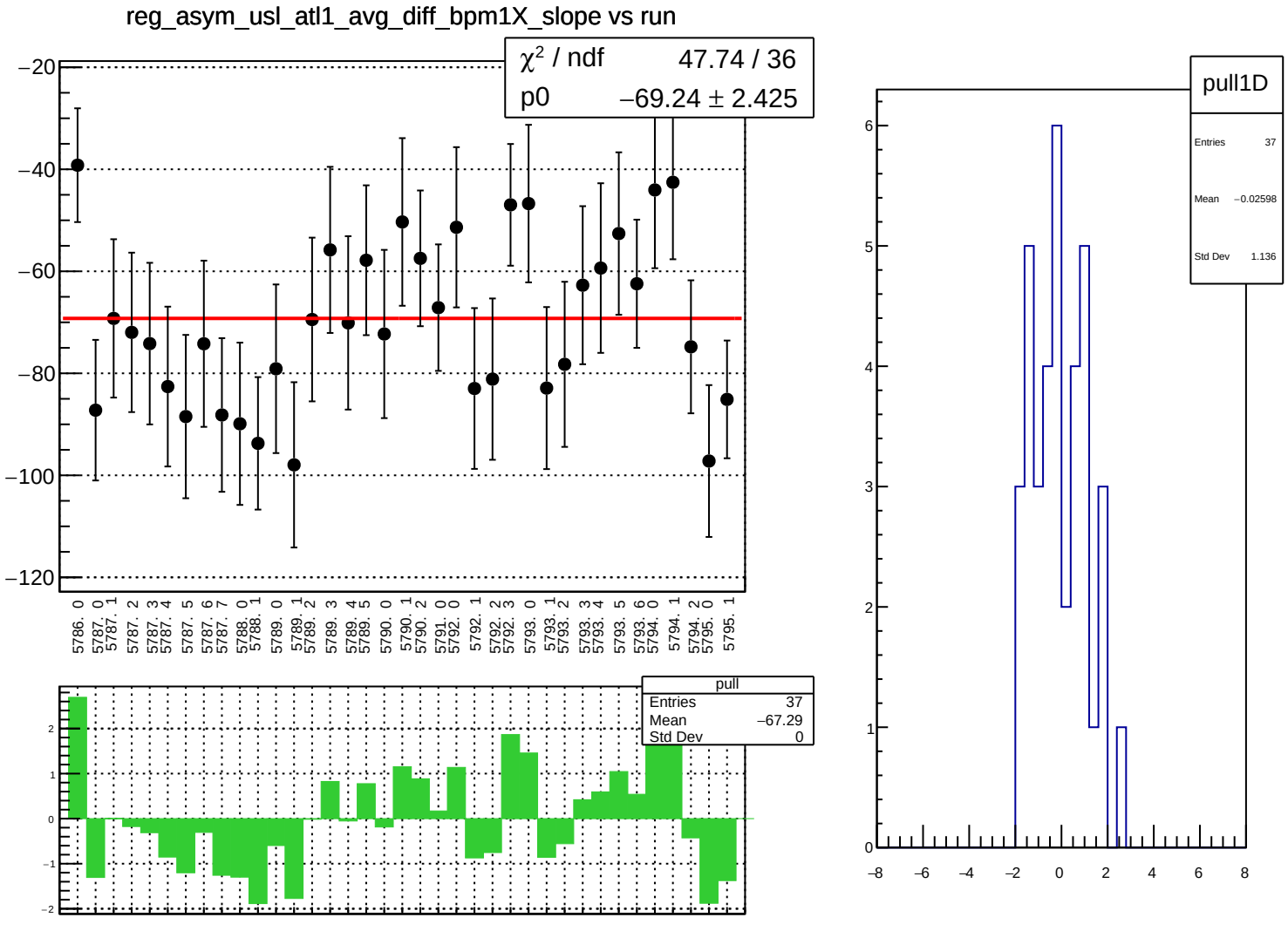

reg_asym_at1_dd_at2_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 36
p0 5.452 ± 3.094
pull
Entries 37
Mean 40.22
Std Dev 0
pull1D
Entries 37
Mean 0.02211
Std Dev 0.5841

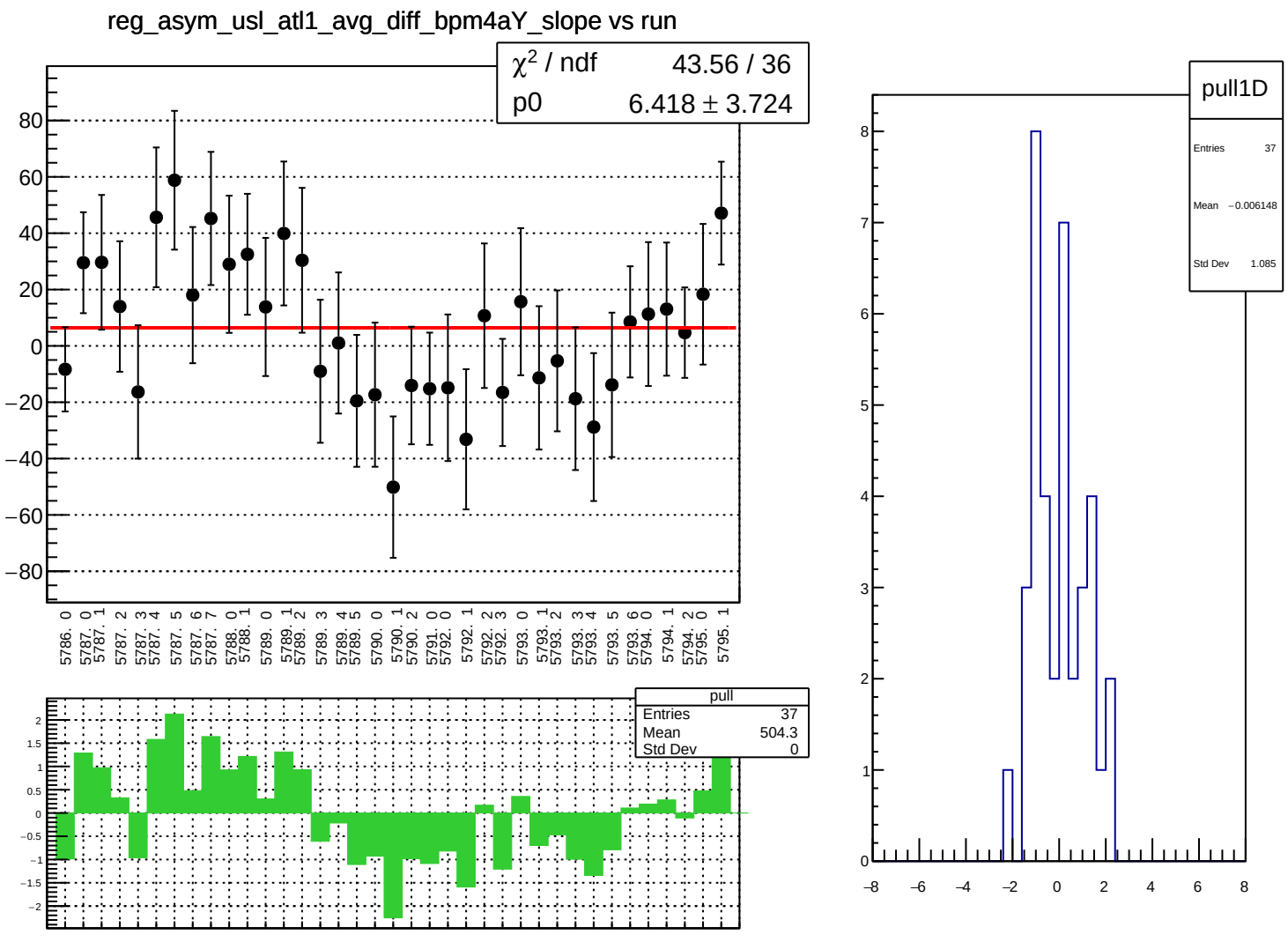

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.26 / 36
p0 147.8 ± 2.89
pull
Entries 37
Mean 559.3
Std Dev 0
pull1D
Entries 37
Mean −0.0008027
Std Dev 0.6209

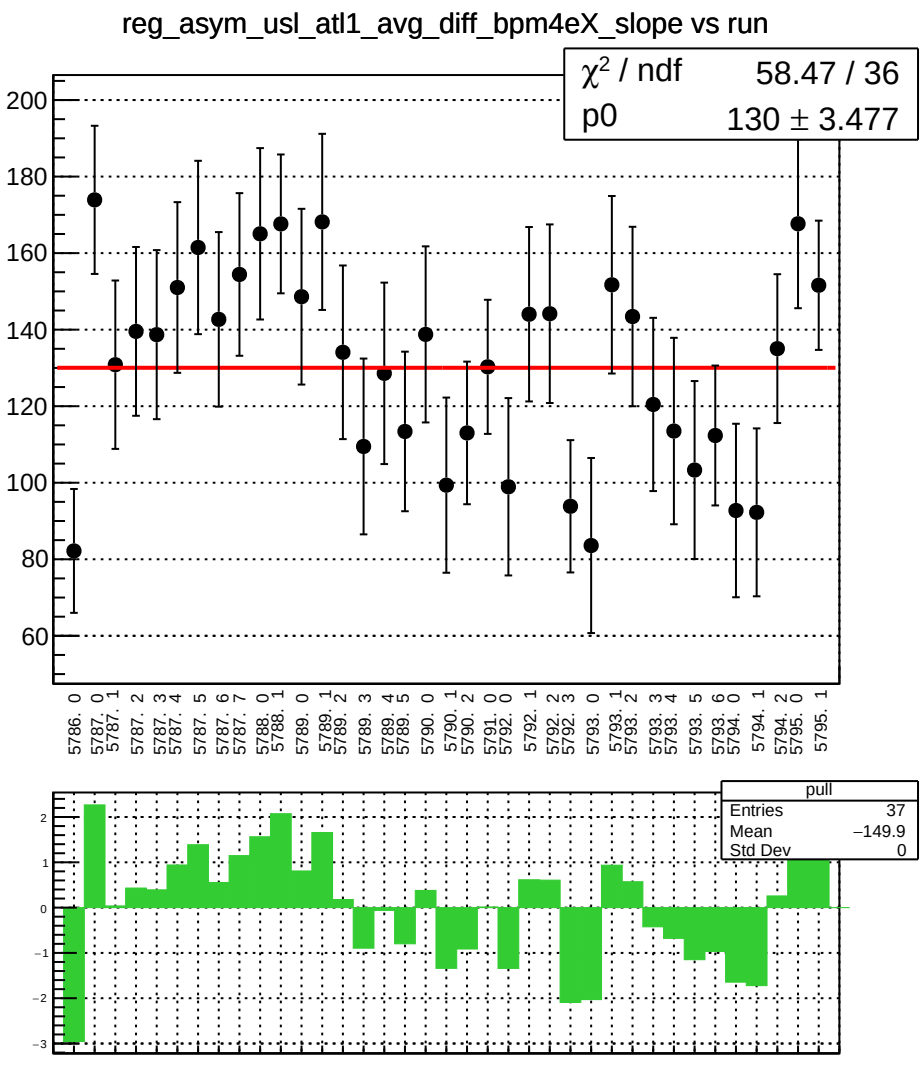

reg_asym_at1_dd_at2_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 13.69 / 36
p0 6.022 ± 3.391
pull
Entries 37
Mean 46.08
Std Dev 0
pull1D
Entries 37
Mean −0.02148
Std Dev 0.6079

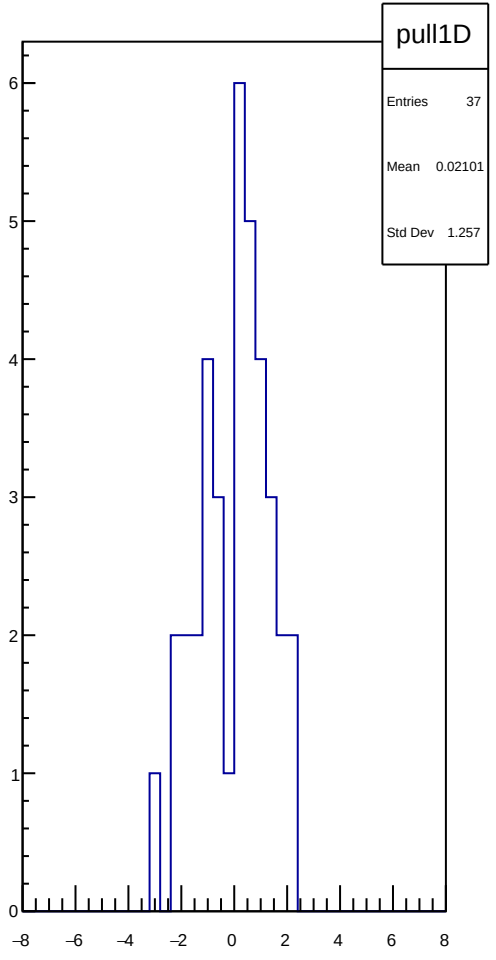

reg_asym_at1_dd_at2_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 20.32 / 36
p0 −30.52 ± 0.2405
−26
−28
−30
−32
−34
−36
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −59.52
Std Dev 0
2
1
0
−1
−2
−3

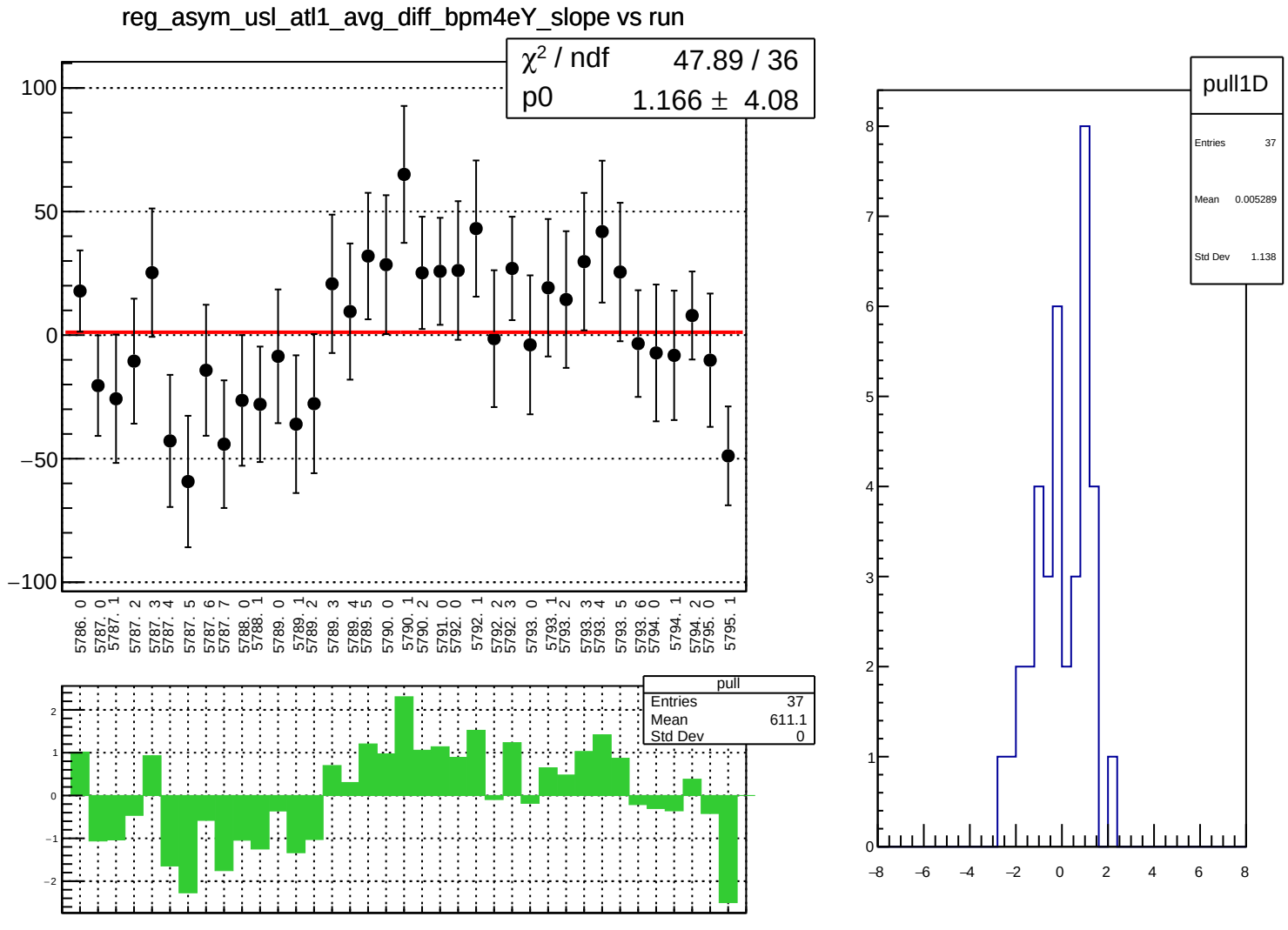

pull1D
Entries 37
Mean 0.009176
Std Dev 0.741
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

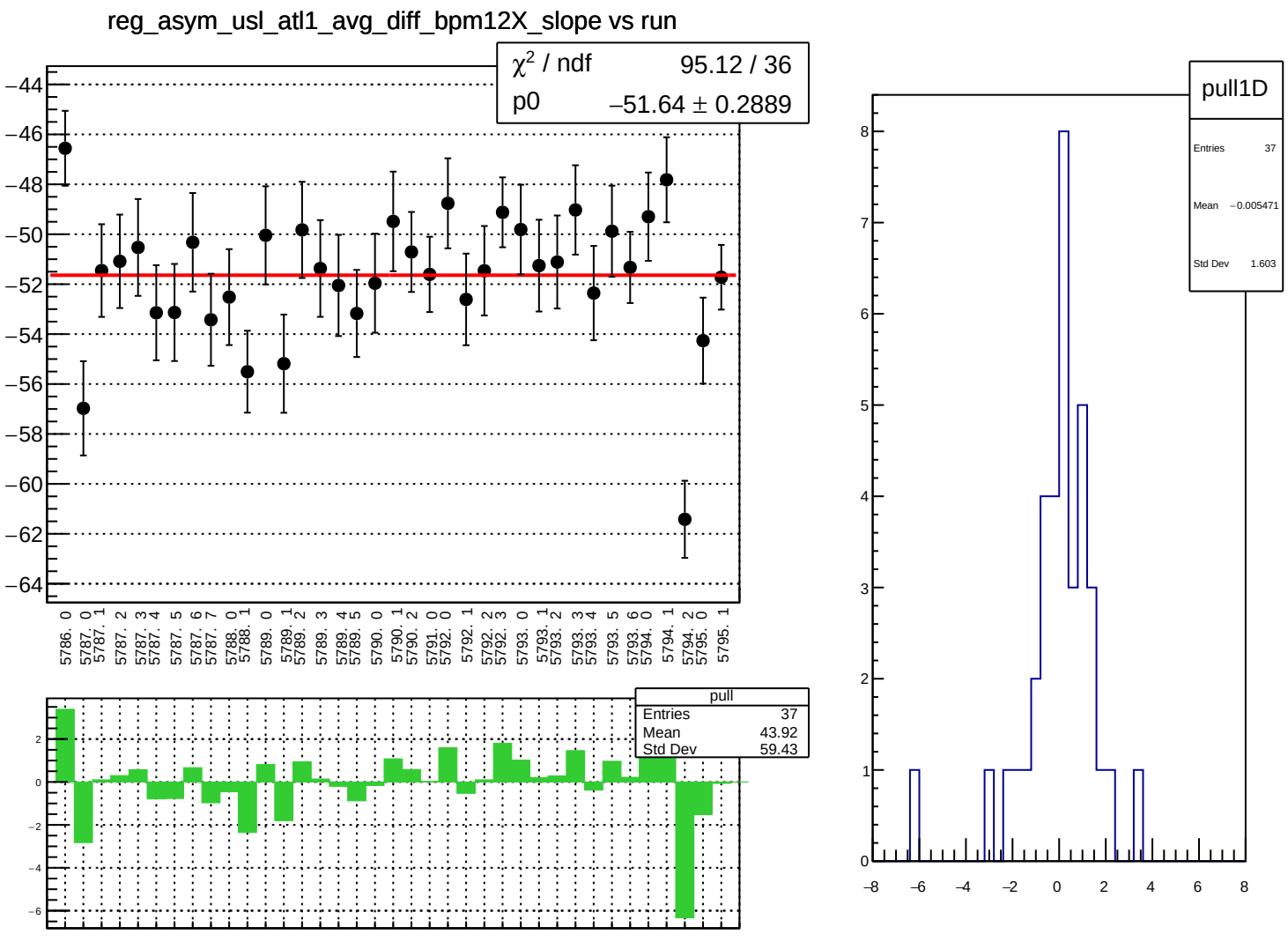

reg_asym_usl_atl1_avg_diff_bpm1X_slope vs run
χ² / ndf 47.74 / 36
p0 −69.24 ± 2.425
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −67.29
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.02598
Std Dev 1.136
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

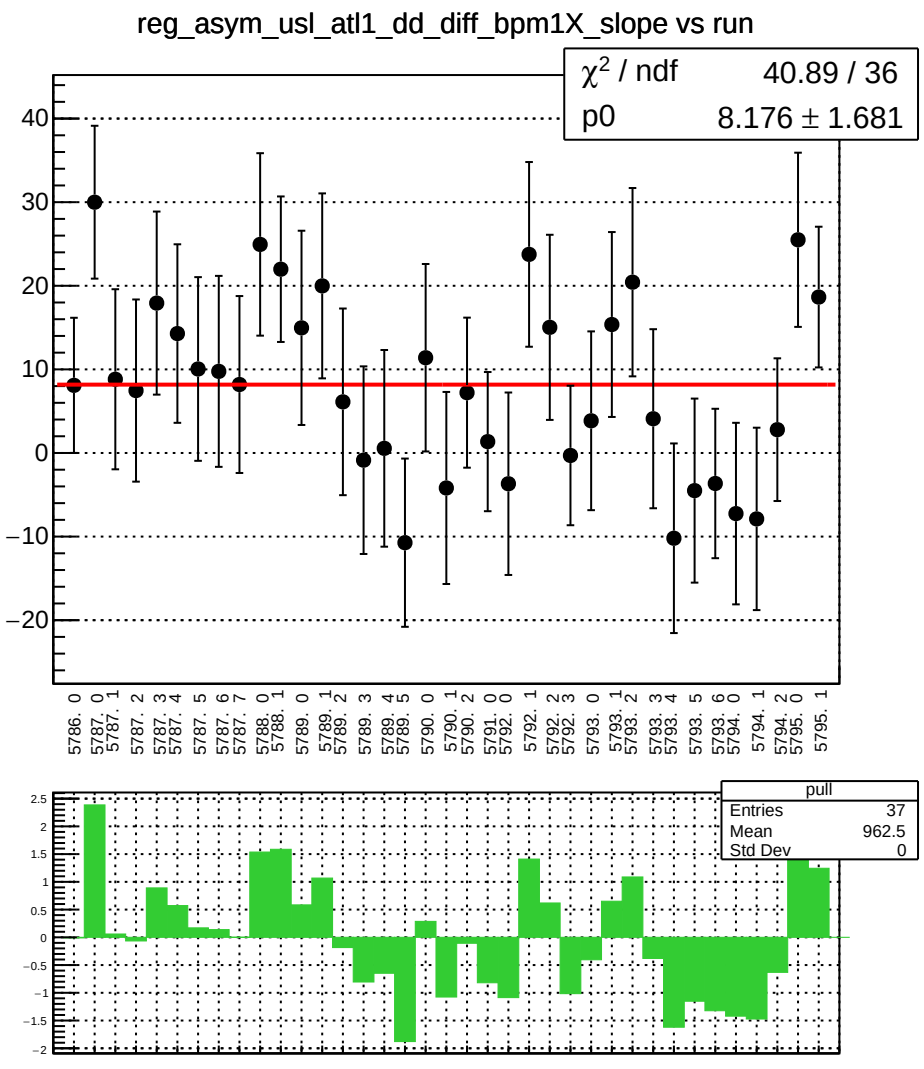

reg_asym_usl_atl1_avg_diff_bpm4aY_slope vs run
χ² / ndf 43.56 / 36
p0 6.418 ± 3.724
pull
Entries 37
Mean 504.3
Std Dev 0
pull1D
Entries 37
Mean −0.006148
Std Dev 1.085

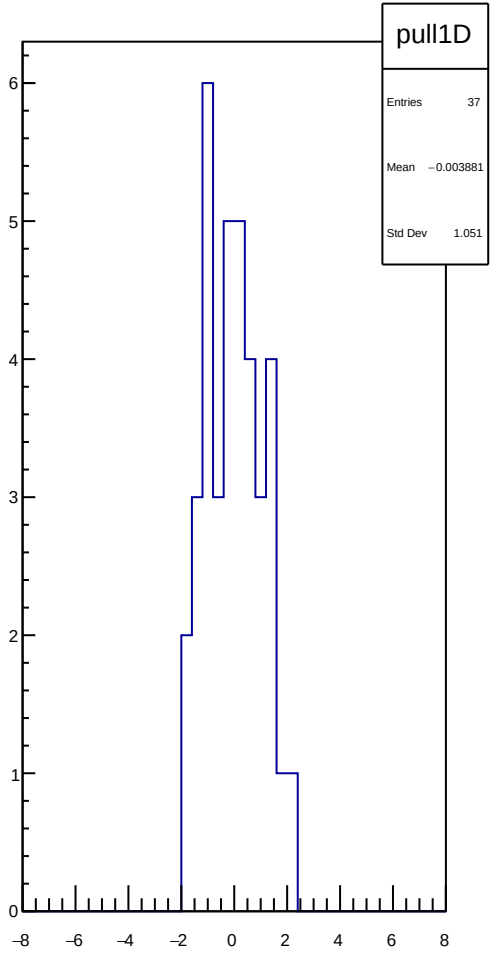

reg_asym_usl_atl1_avg_diff_bpm4eX_slope vs run
χ² / ndf 58.47 / 36
p0 130 ± 3.477
200
180
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −149.9
Std Dev 0
2
1
0
−1
−2
−3

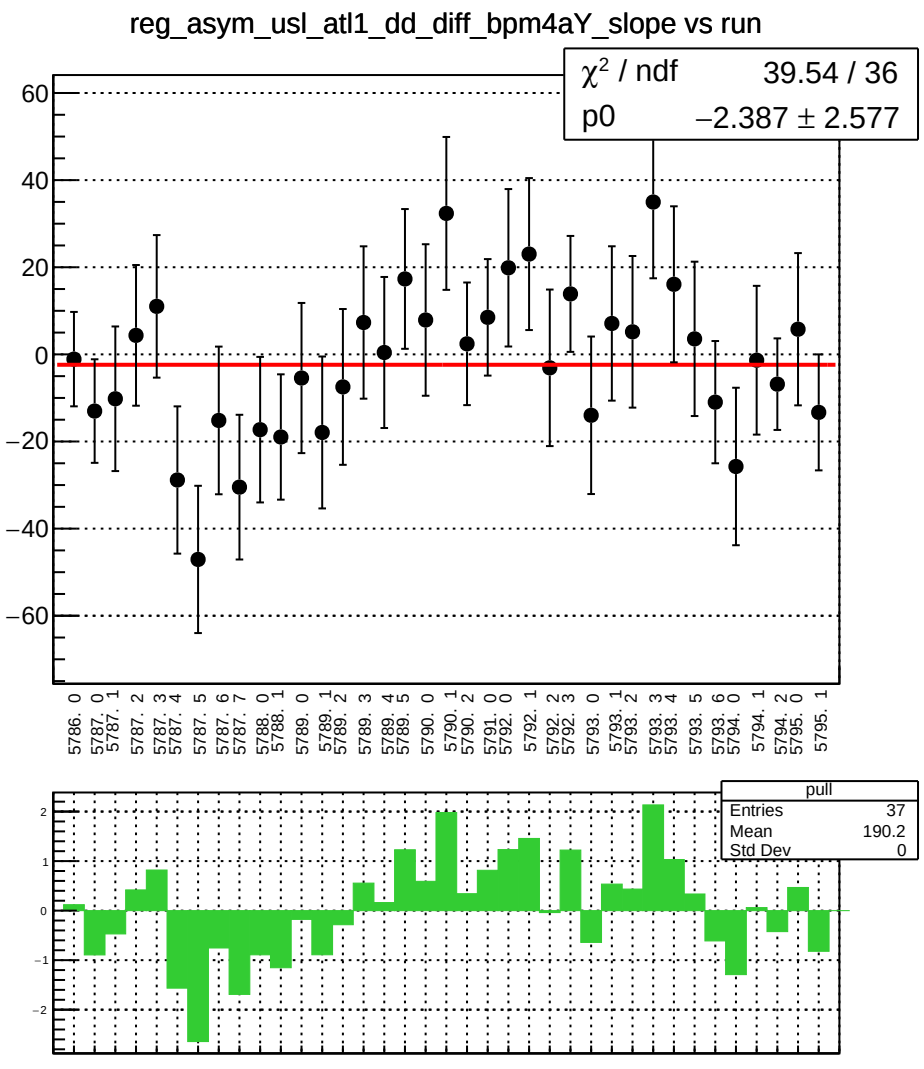

pull1D
Entries 37
Mean 0.02101
Std Dev 1.257
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

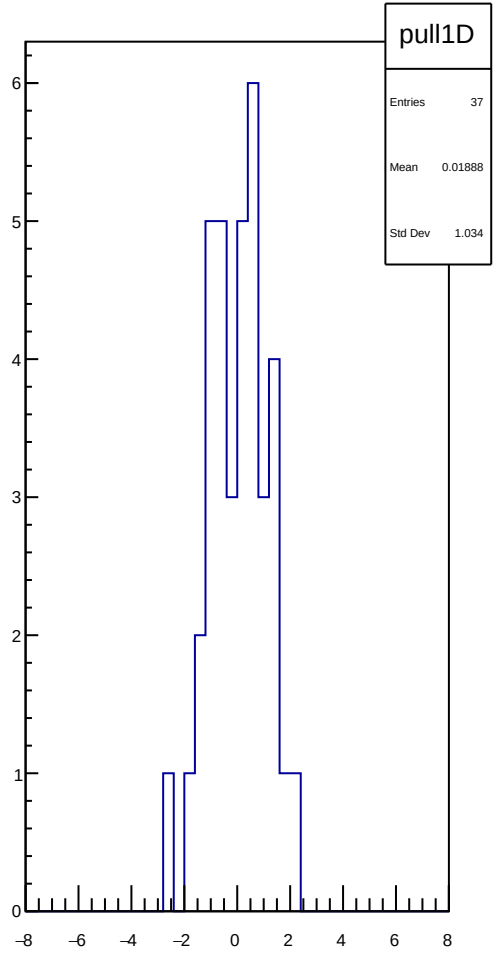

reg_asym_usl_atl1_avg_diff_bpm4eY_slope vs run
χ² / ndf 47.89 / 36
p0 1.166 ± 4.08
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 611.1
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.005289
Std Dev 1.138
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

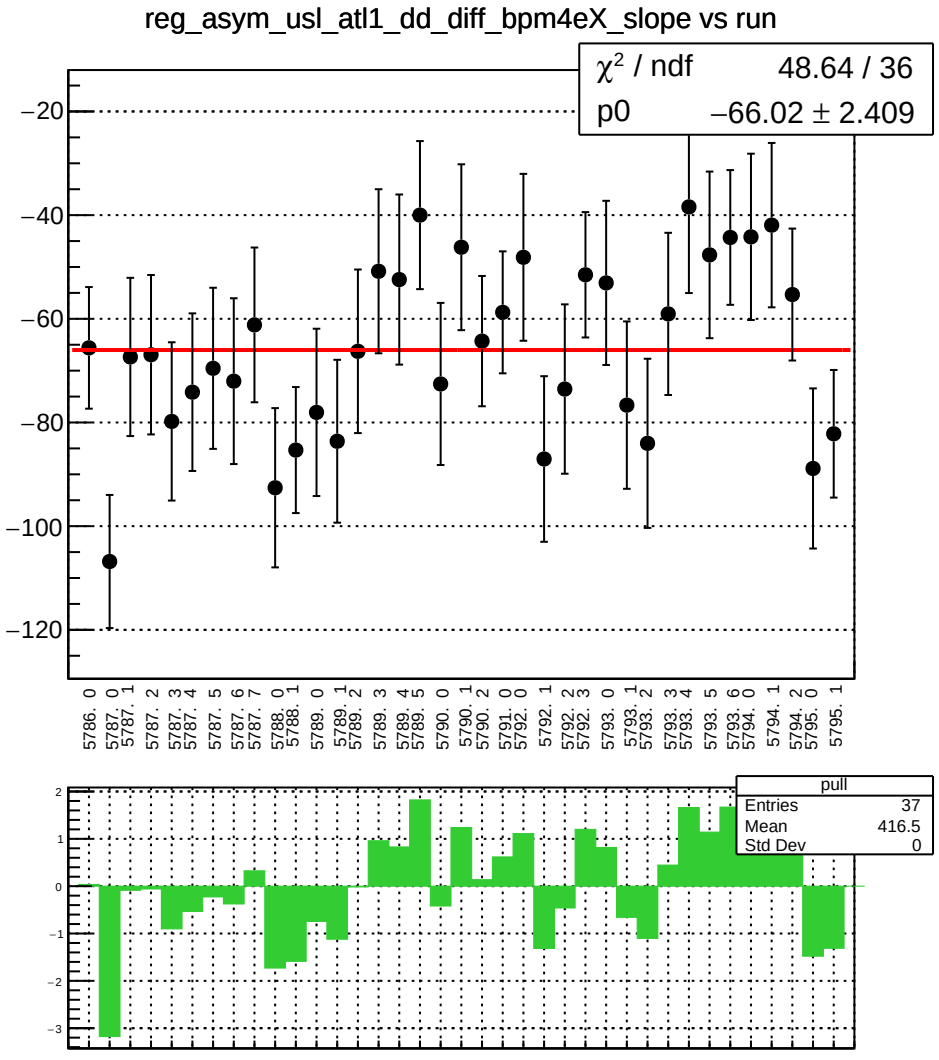

reg_asym_usl_atl1_avg_diff_bpm12X_slope vs run
χ² / ndf 95.12 / 36
p0 −51.64 ± 0.2889
pull
Entries 37
Mean 43.92
Std Dev 59.43
pull1D
Entries 37
Mean −0.005471
Std Dev 1.603

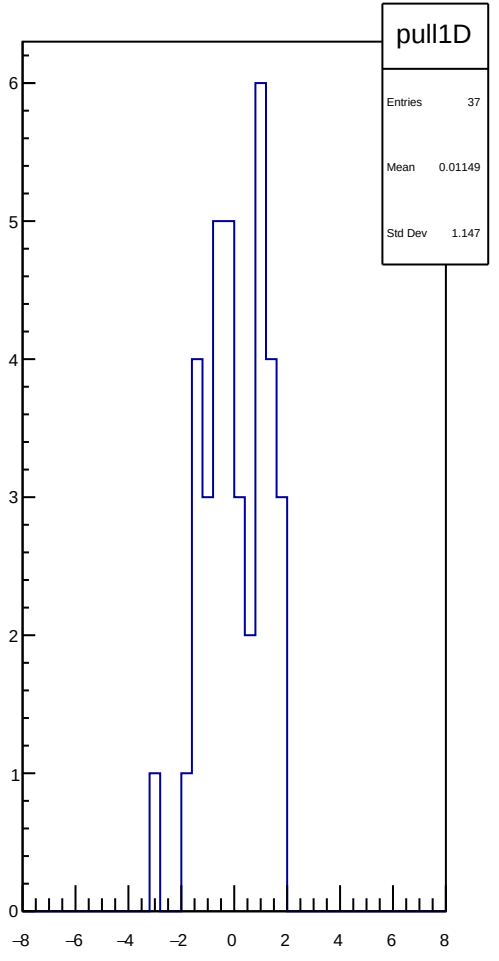

reg_asym_usl_atl1_dd_diff_bpm1X_slope vs run
χ² / ndf 40.89 / 36
p0 8.176 ± 1.681
pull
Entries 37
Mean 962.5
Std Dev 0

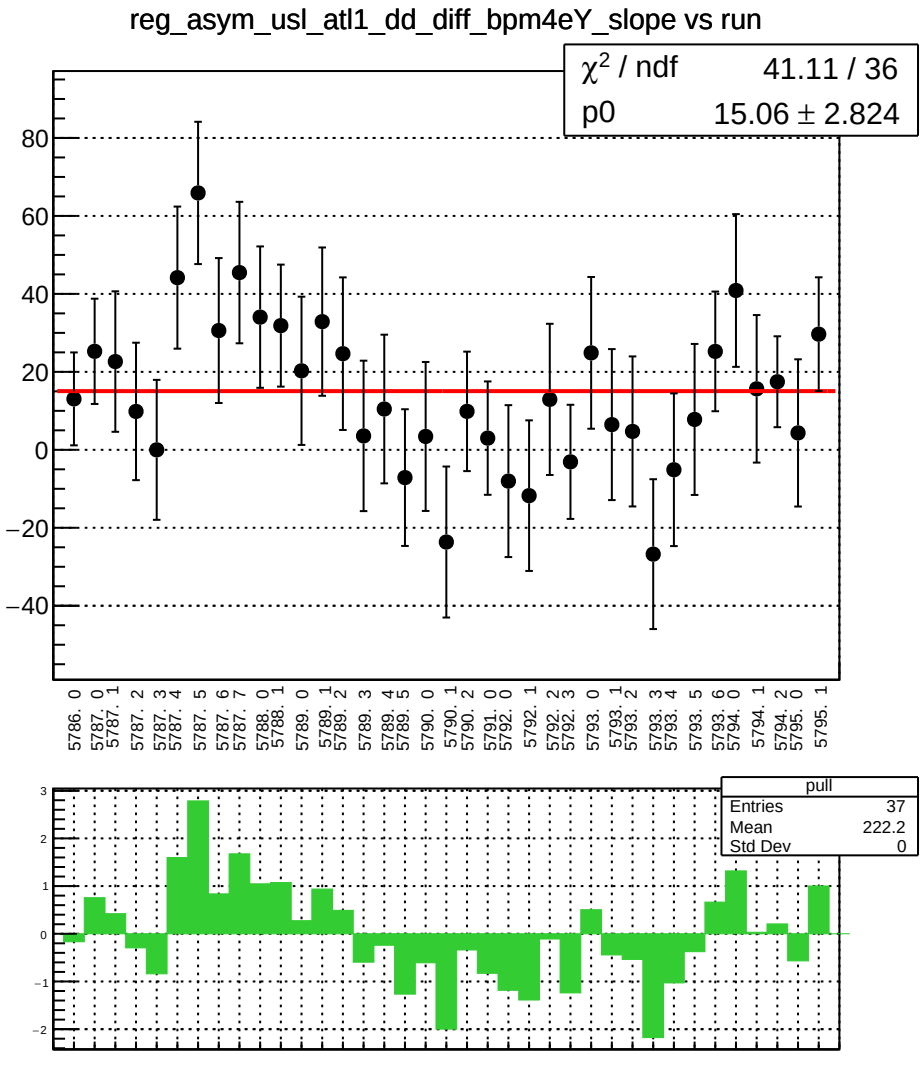

pull1D
Entries 37
Mean −0.003881
Std Dev 1.051

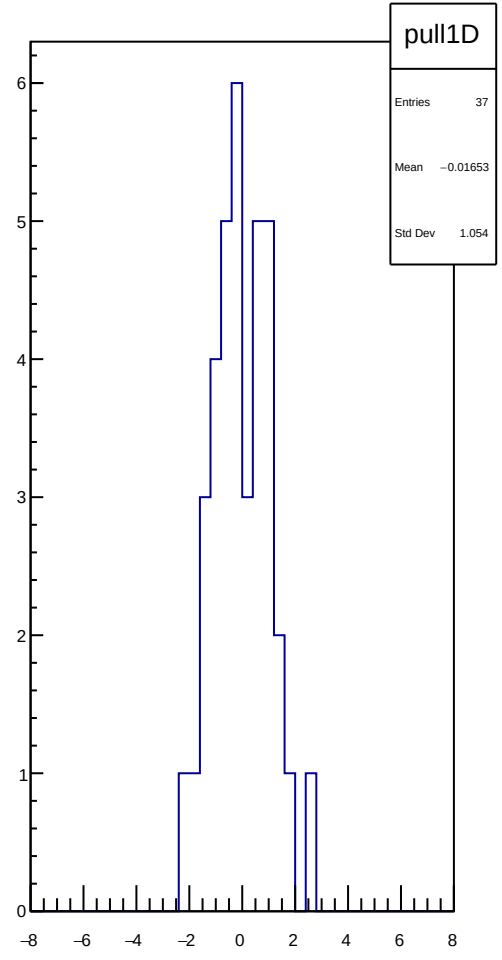

reg_asym_usl_atl1_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.54 / 36
p0 −2.387 ± 2.577
pull
Entries 37
Mean 190.2
Std Dev 0

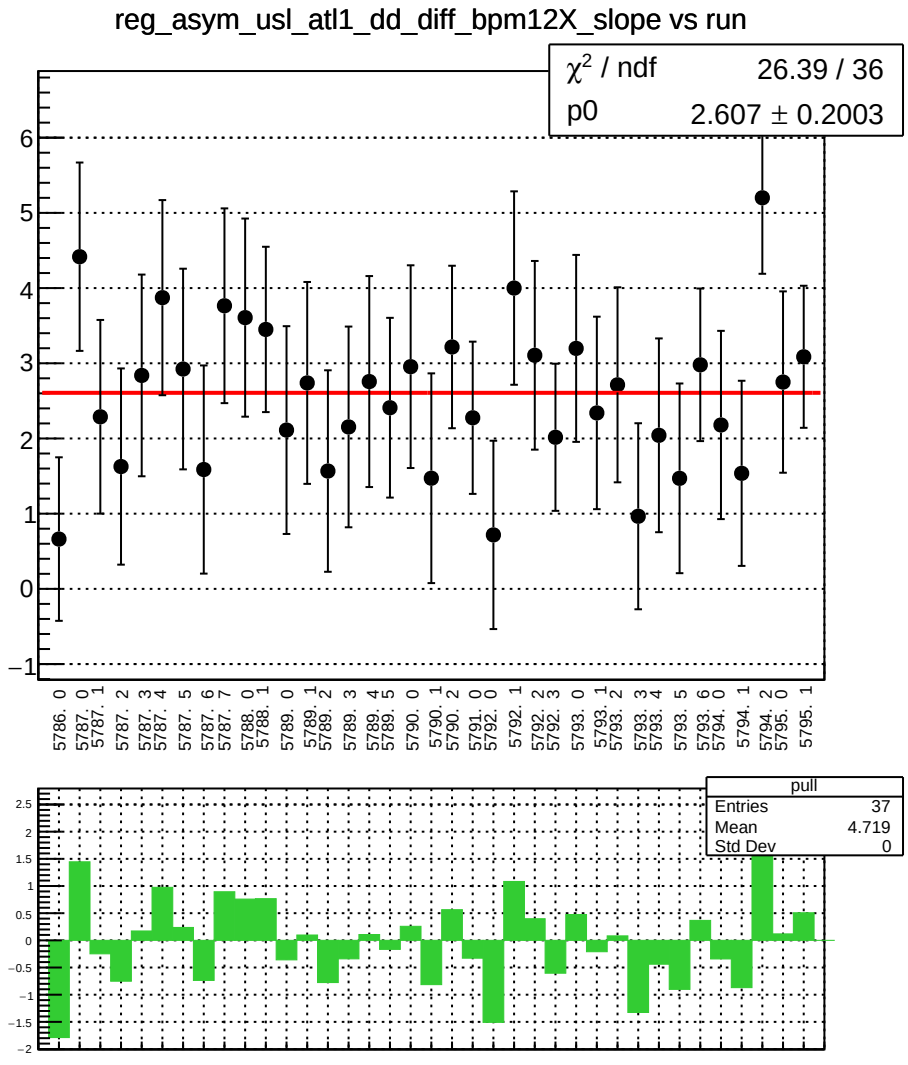

pull1D
Entries 37
Mean 0.01888
Std Dev 1.034

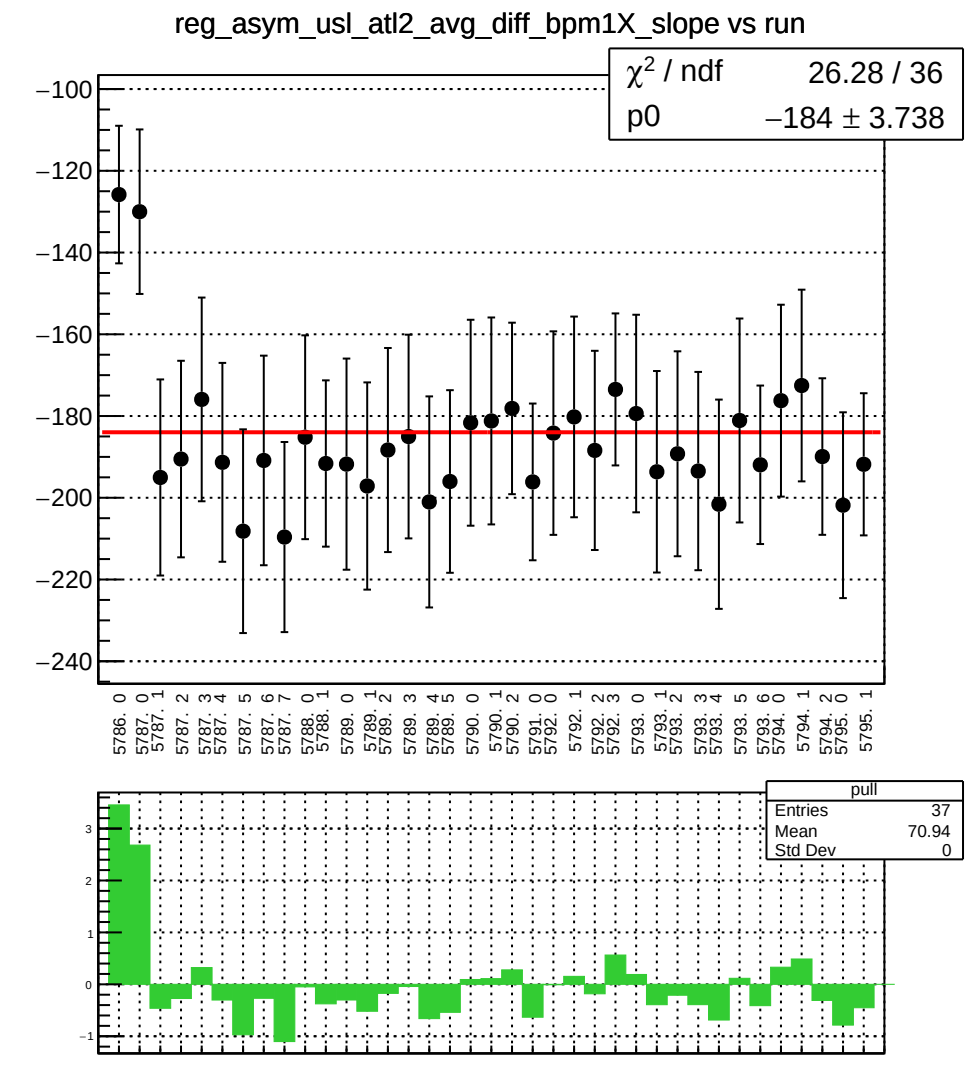

reg_asym_usl_atl1_dd_diff_bpm4eX_slope vs run
χ² / ndf 48.64 / 36
p0 −66.02 ± 2.409
−20
−40
−60
−80
−100
−120
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 416.5
Std Dev 0
2
1
0
−1
−2
−3

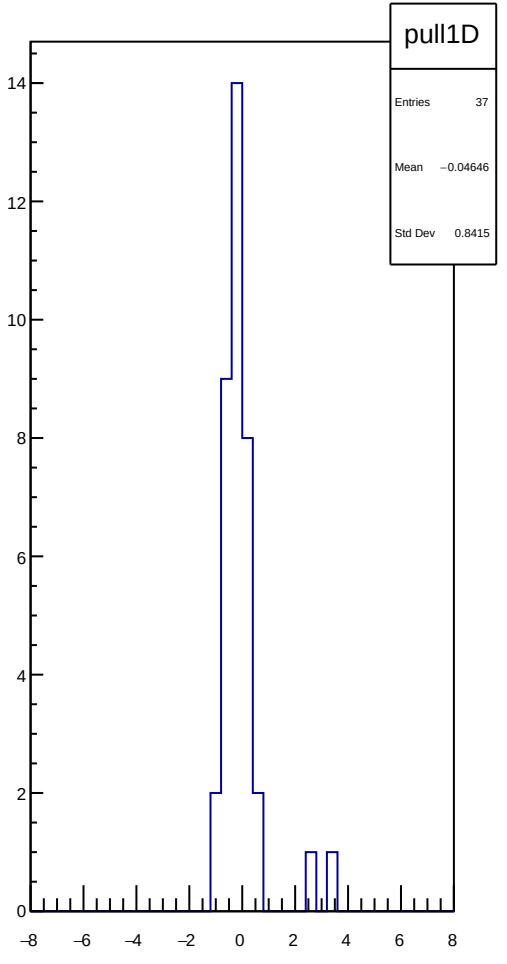

pull1D
Entries 37
Mean 0.01149
Std Dev 1.147
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

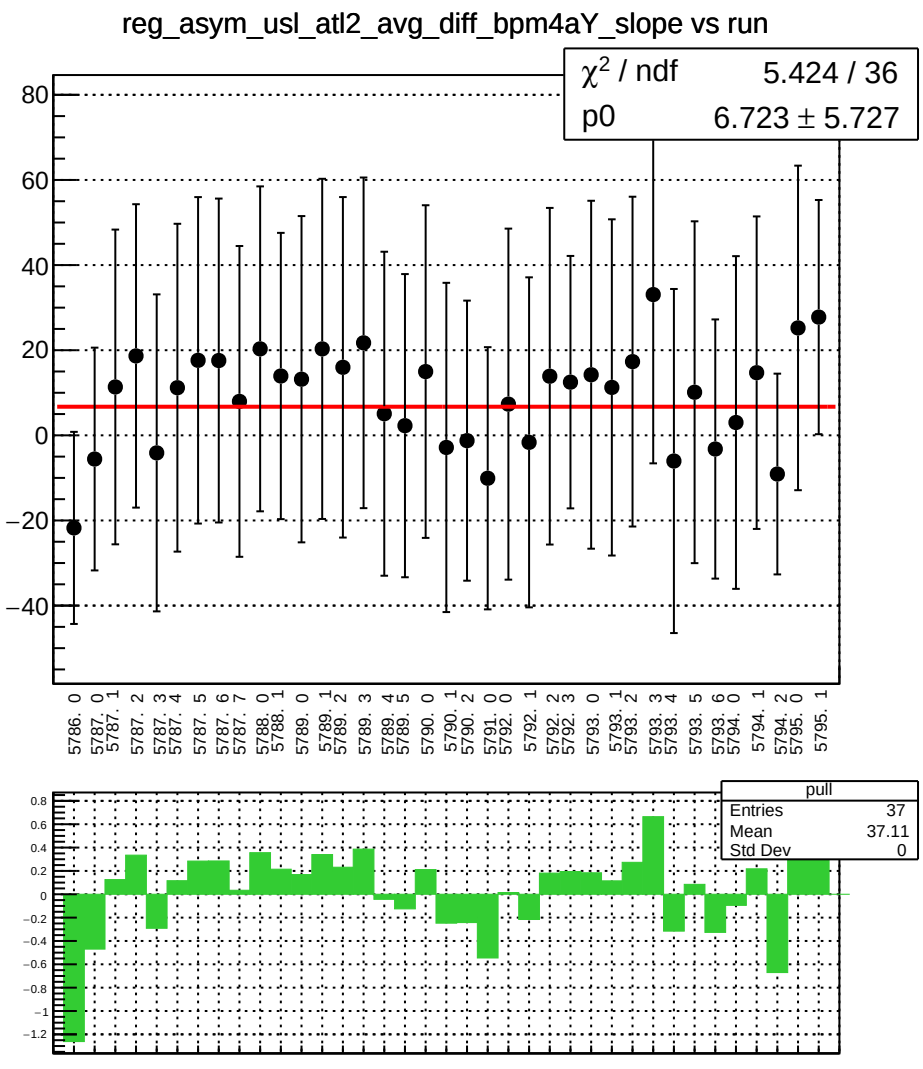

reg_asym_usl_atl1_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.11 / 36
p0 15.06 ± 2.824
80
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 222.2
Std Dev 0
3
2
1
0
−1
−2

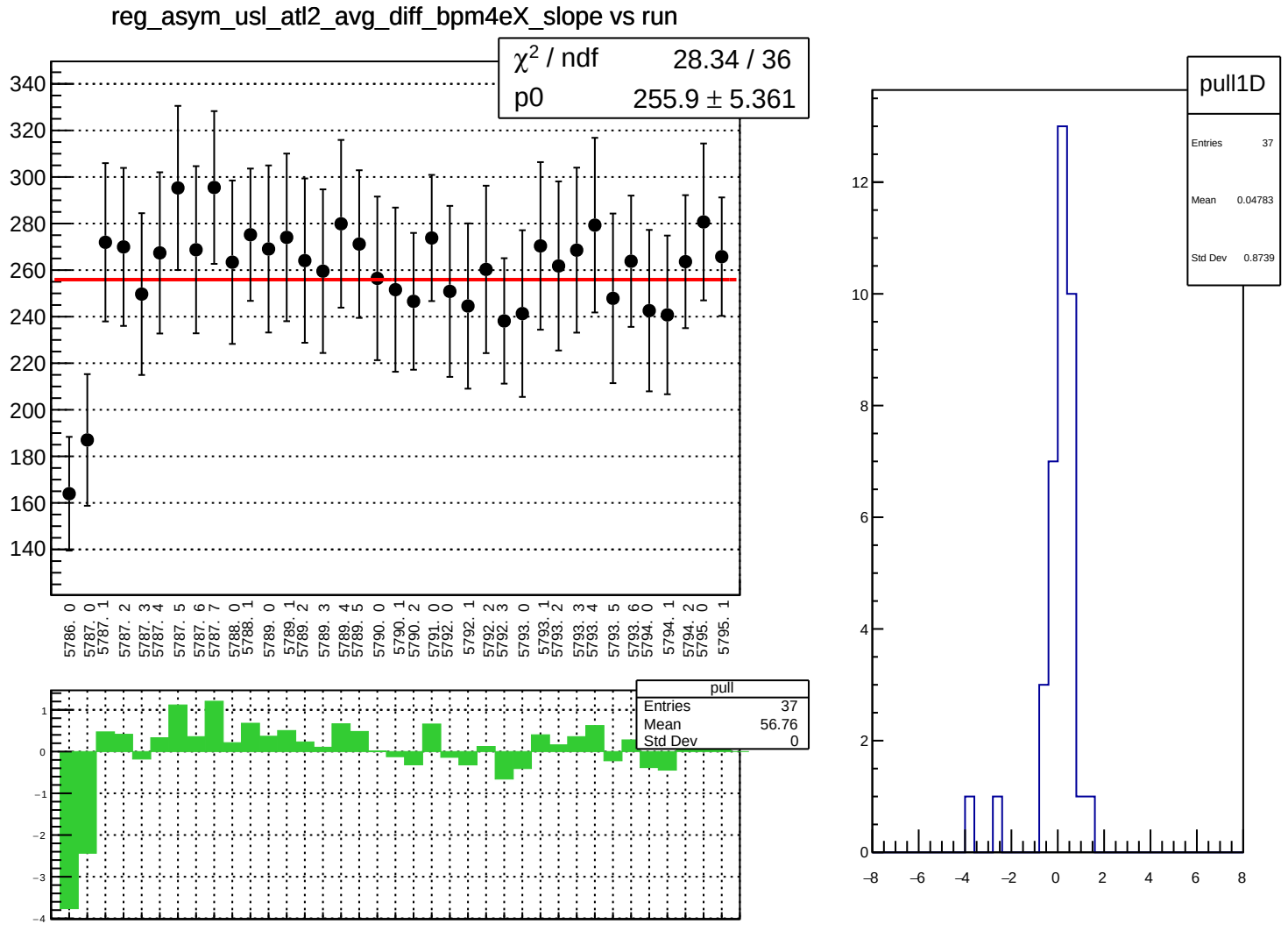

pull1D
Entries 37
Mean −0.01653
Std Dev 1.054
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

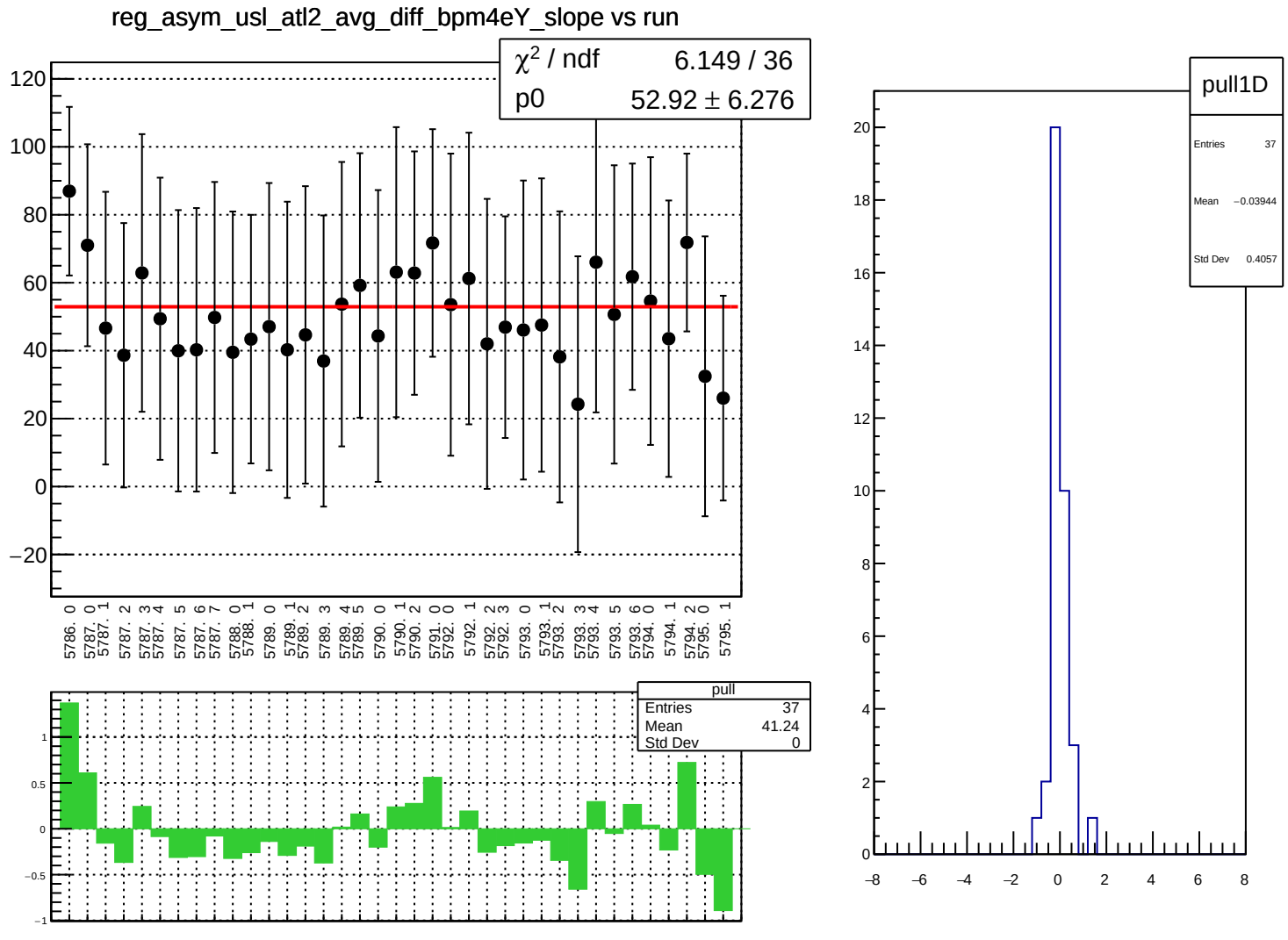

reg_asym_usl_atl1_dd_diff_bpm12X_slope vs run
χ² / ndf 26.39 / 36
p0 2.607 ± 0.2003
pull
Entries 37
Mean 4.719
Std Dev 0
pull1D
Entries 37
Mean −0.01714
Std Dev 0.8443

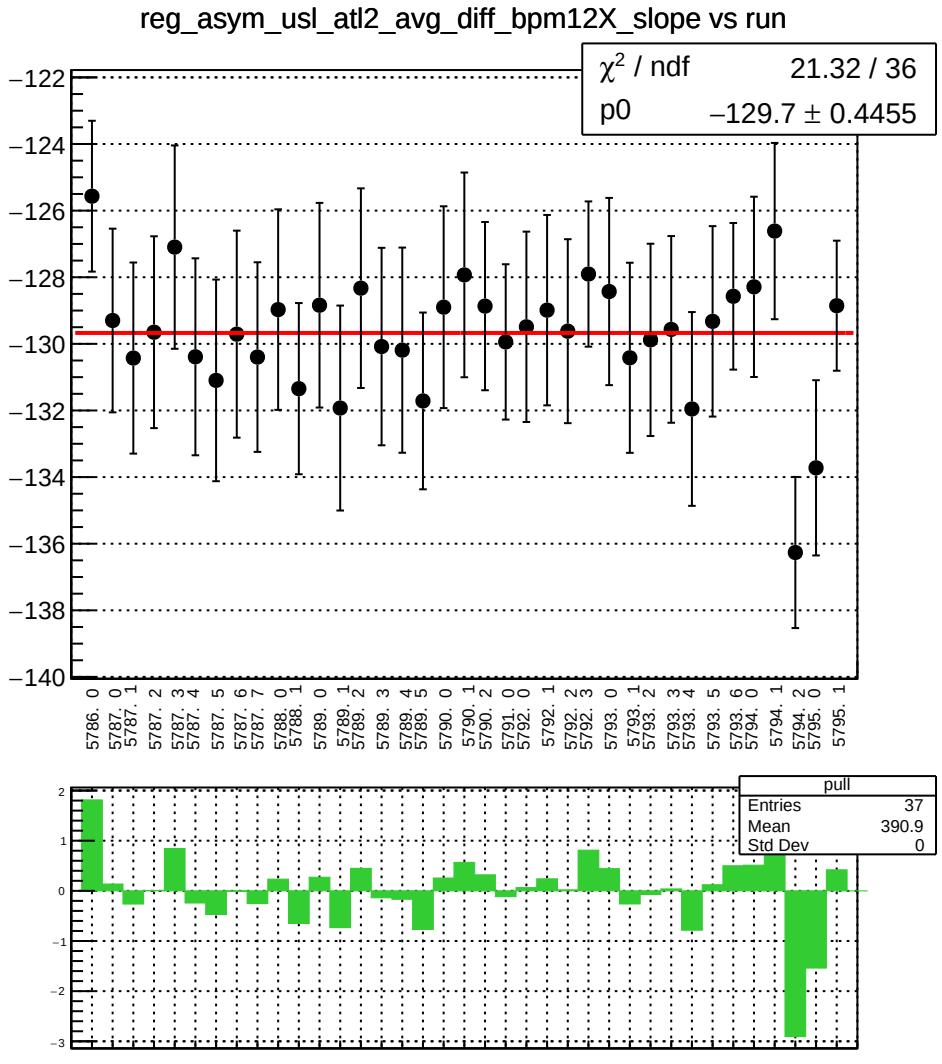

reg_asym_usl_atl2_avg_diff_bpm1X_slope vs run
χ² / ndf 26.28 / 36
p0 −184 ± 3.738
−100
−120
−140
−160
−180
−200
−220
−240
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 70.94
Std Dev 0
3
2
1
0
−1

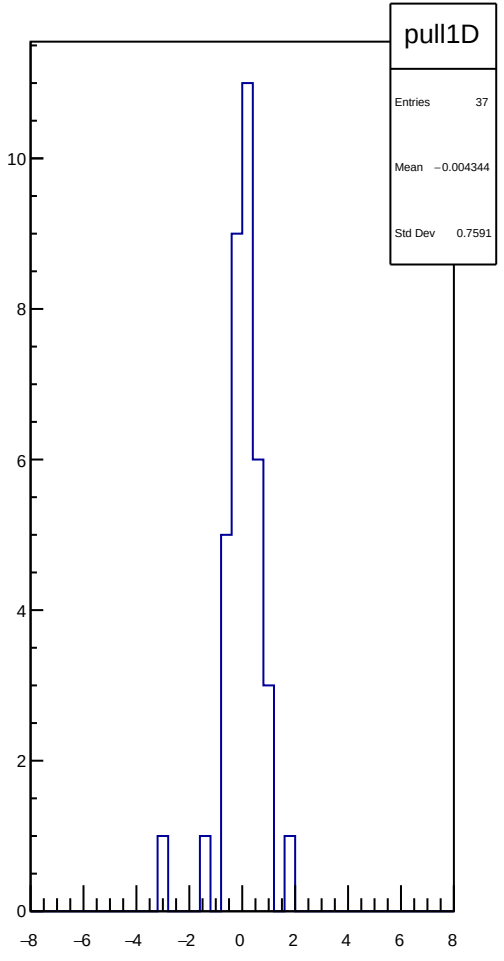

pull1D
Entries 37
Mean −0.04646
Std Dev 0.8415
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

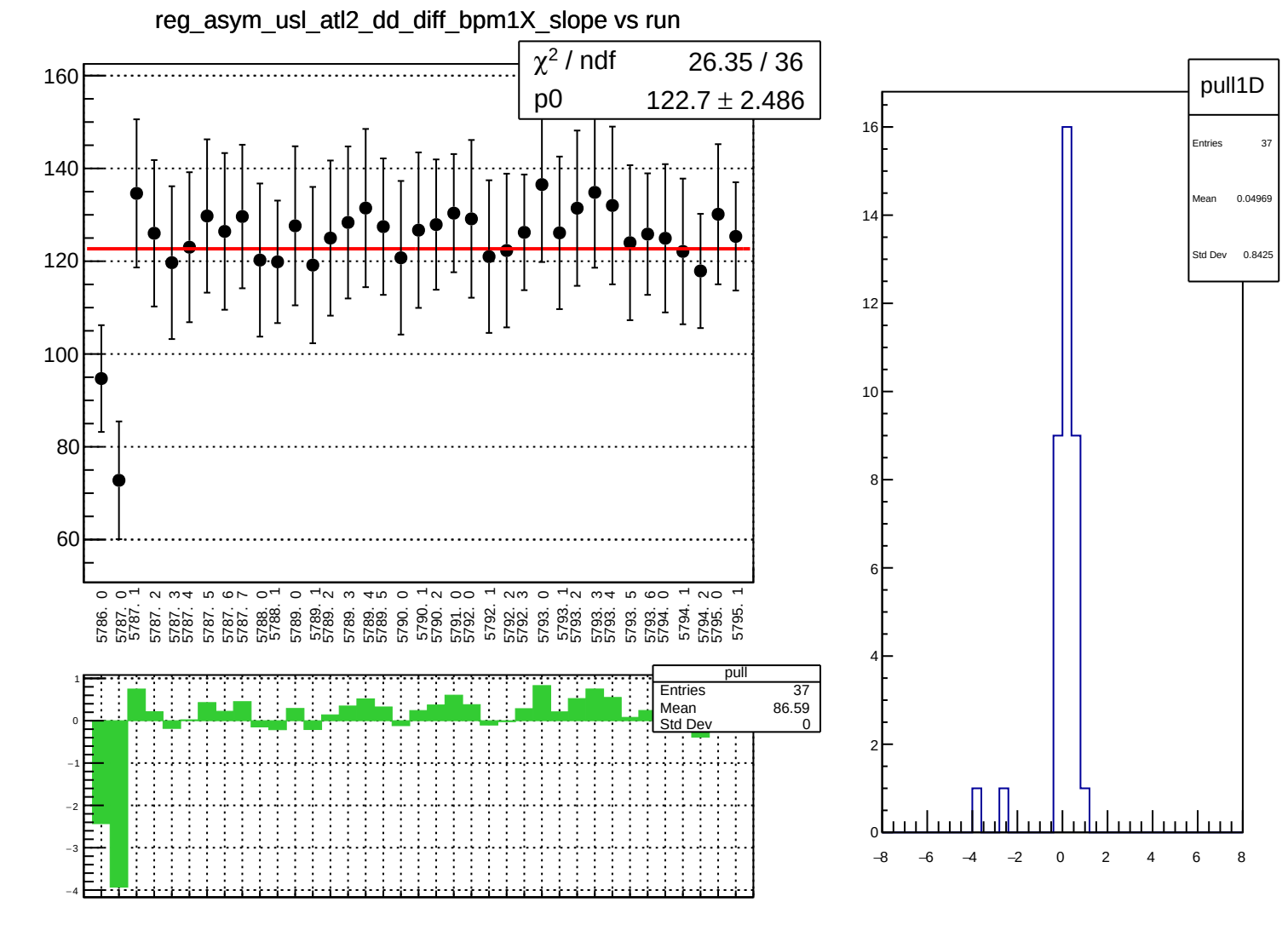

reg_asym_usl_atl2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.424 / 36
p0 6.723 ± 5.727
pull
Entries 37
Mean 37.11
Std Dev 0
pull1D
Entries 37
Mean 0.0384
Std Dev 0.3809

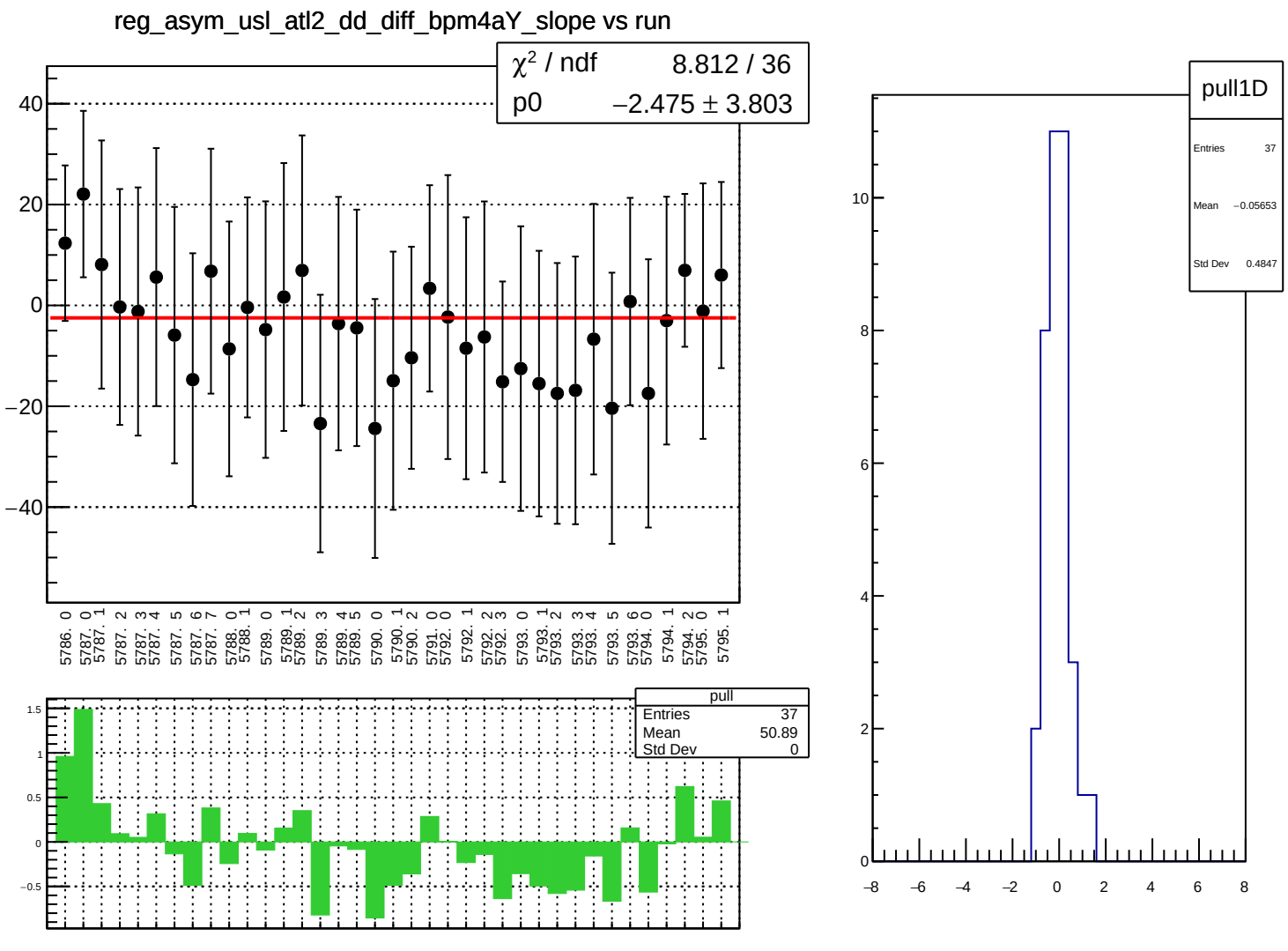

reg_asym_usl_atl2_avg_diff_bpm4eX_slope vs run
χ² / ndf 28.34 / 36
p0 255.9 ± 5.361
340
320
300
280
260
240
220
200
180
160
140
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 56.76
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean 0.04783
Std Dev 0.8739
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

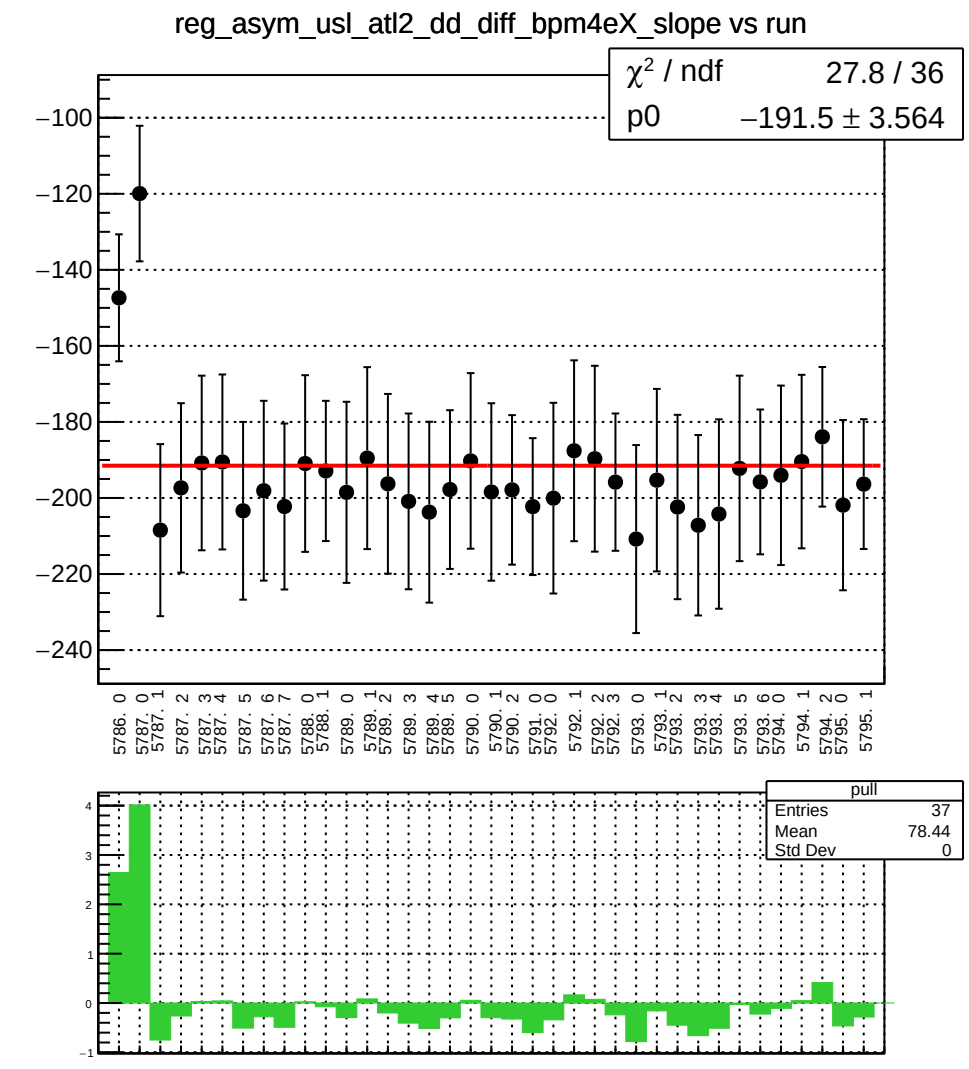

reg_asym_usl_atl2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.149 / 36
p0 52.92 ± 6.276
pull
Entries 37
Mean 41.24
Std Dev 0
pull1D
Entries 37
Mean −0.03944
Std Dev 0.4057

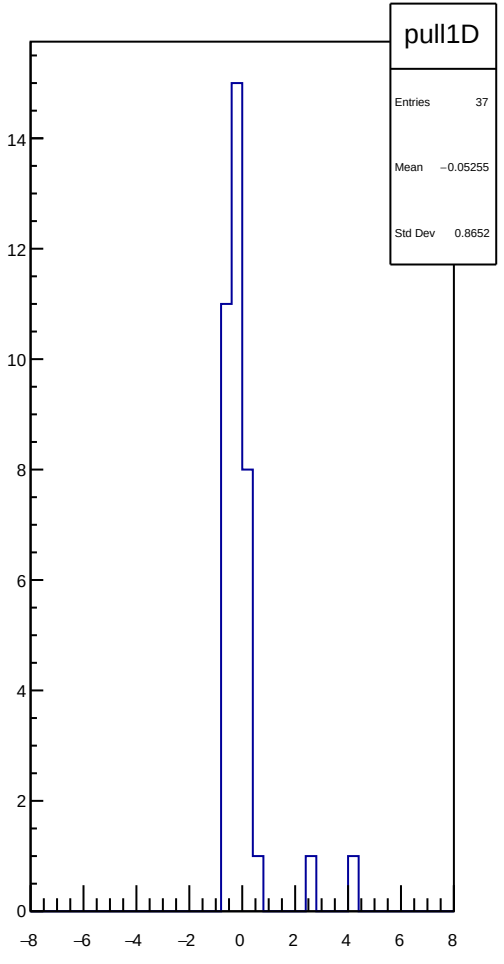

reg_asym_usl_atl2_avg_diff_bpm12X_slope vs run
χ² / ndf 21.32 / 36
p0 −129.7 ± 0.4455
pull
Entries 37
Mean 390.9
Std Dev 0

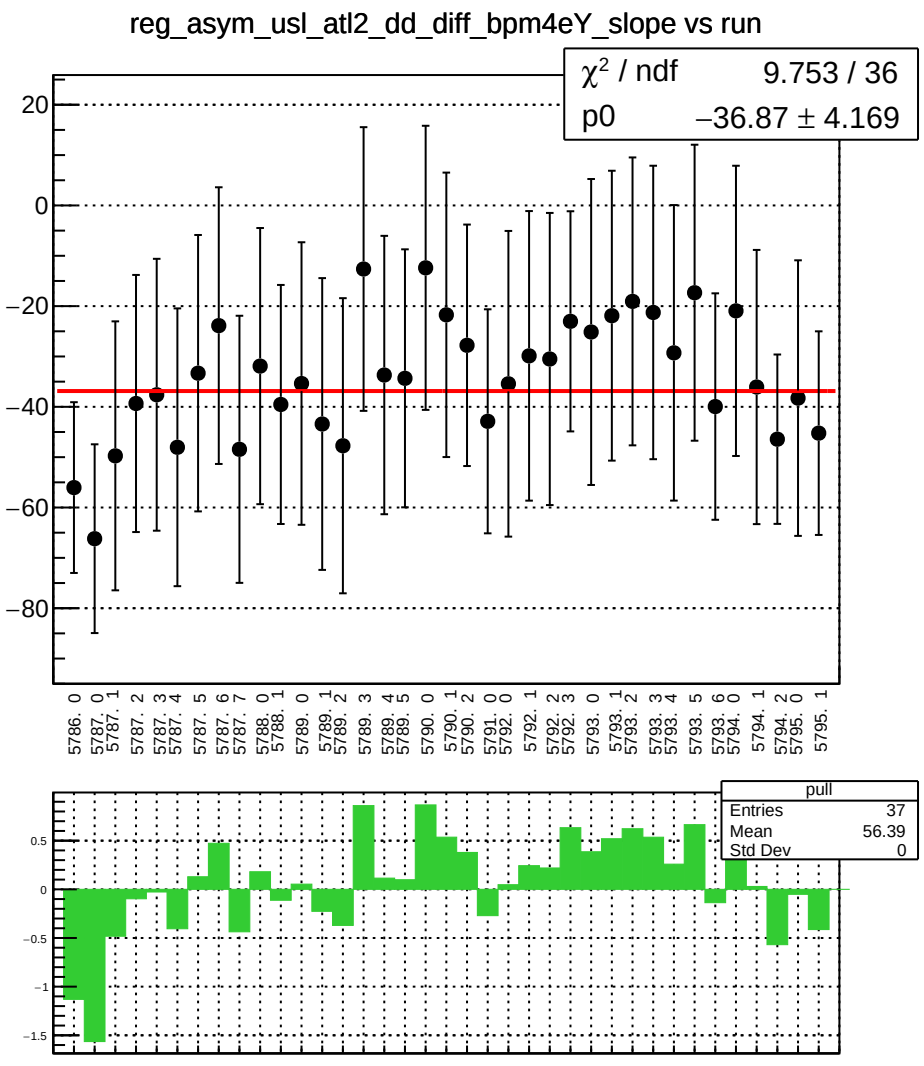

pull1D
Entries 37
Mean −0.004344
Std Dev 0.7591

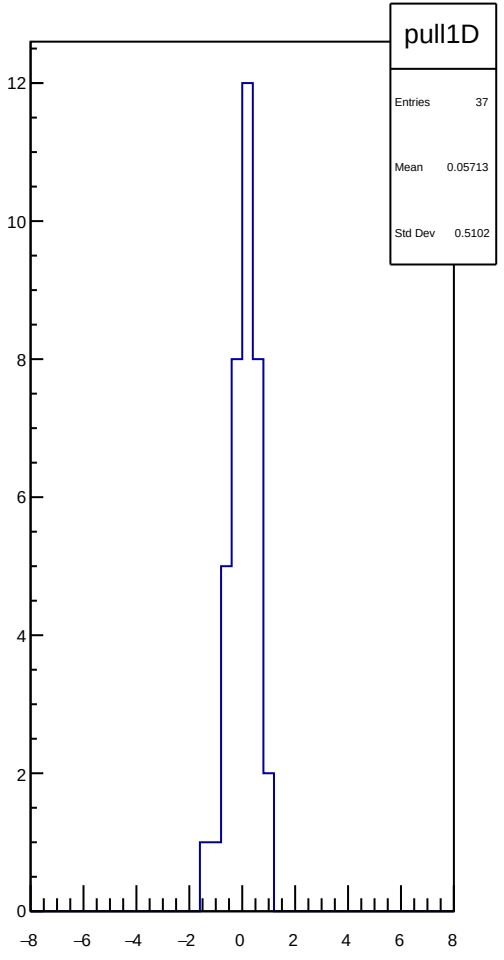

reg_asym_usl_atl2_dd_diff_bpm1X_slope vs run
χ² / ndf 26.35 / 36
p0 122.7 ± 2.486
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 86.59
Std Dev 0
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean 0.04969
Std Dev 0.8425
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

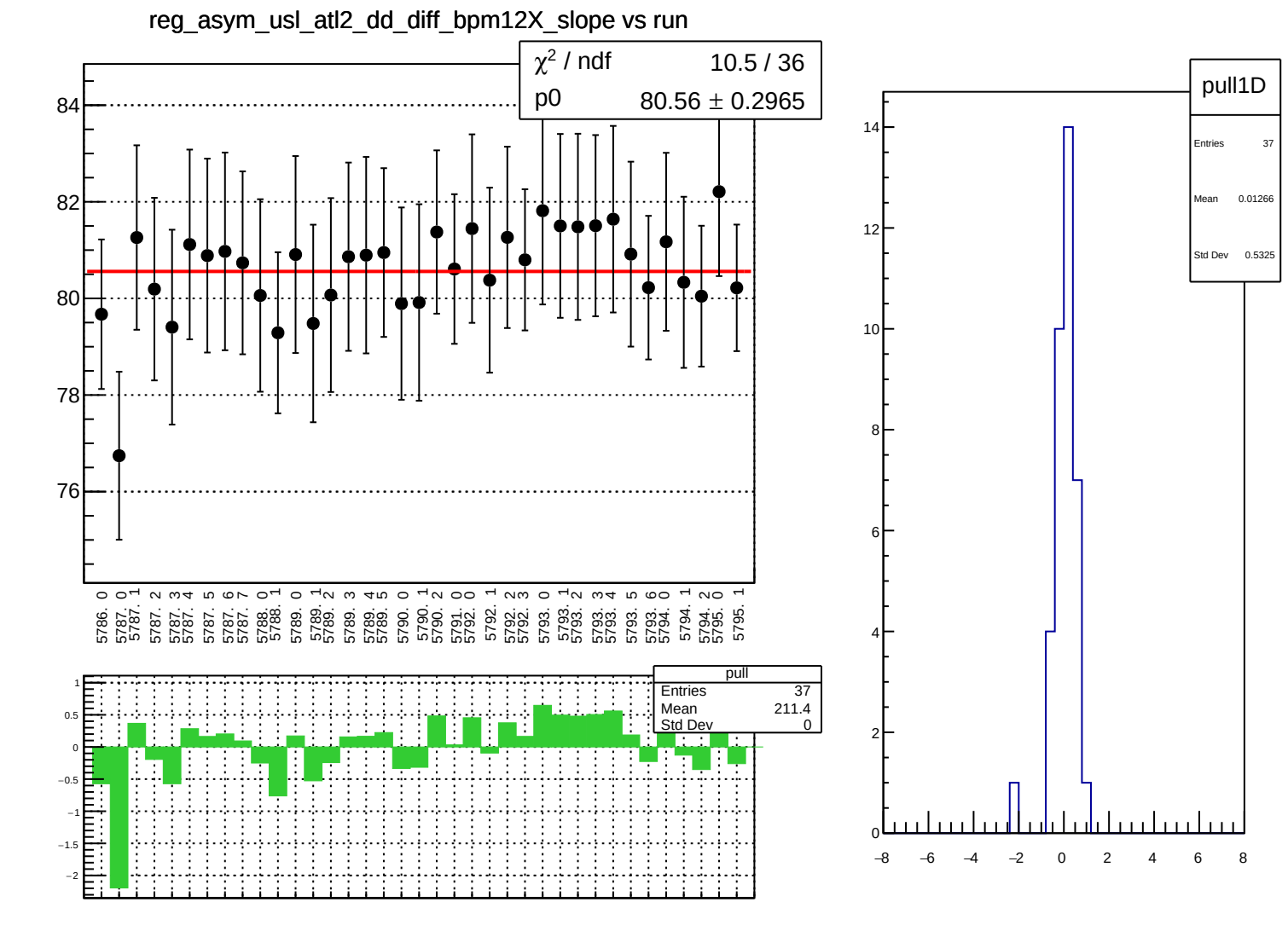

reg_asym_usl_atl2_dd_diff_bpm4aY_slope vs run
χ² / ndf 8.812 / 36
p0 −2.475 ± 3.803
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 50.89
Std Dev 0
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.05653
Std Dev 0.4847
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

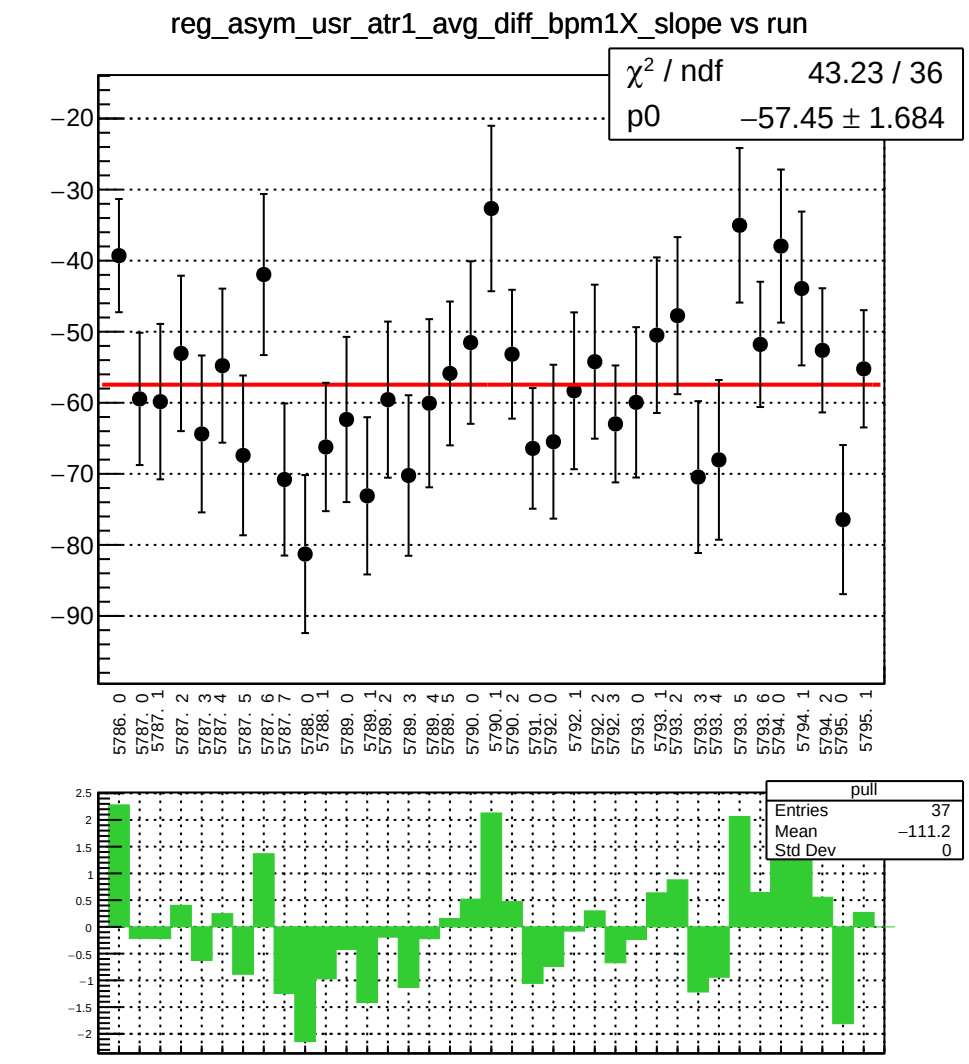

reg_asym_usl_atl2_dd_diff_bpm4eX_slope vs run
χ² / ndf 27.8 / 36
p0 −191.5 ± 3.564
pull
Entries 37
Mean 78.44
Std Dev 0

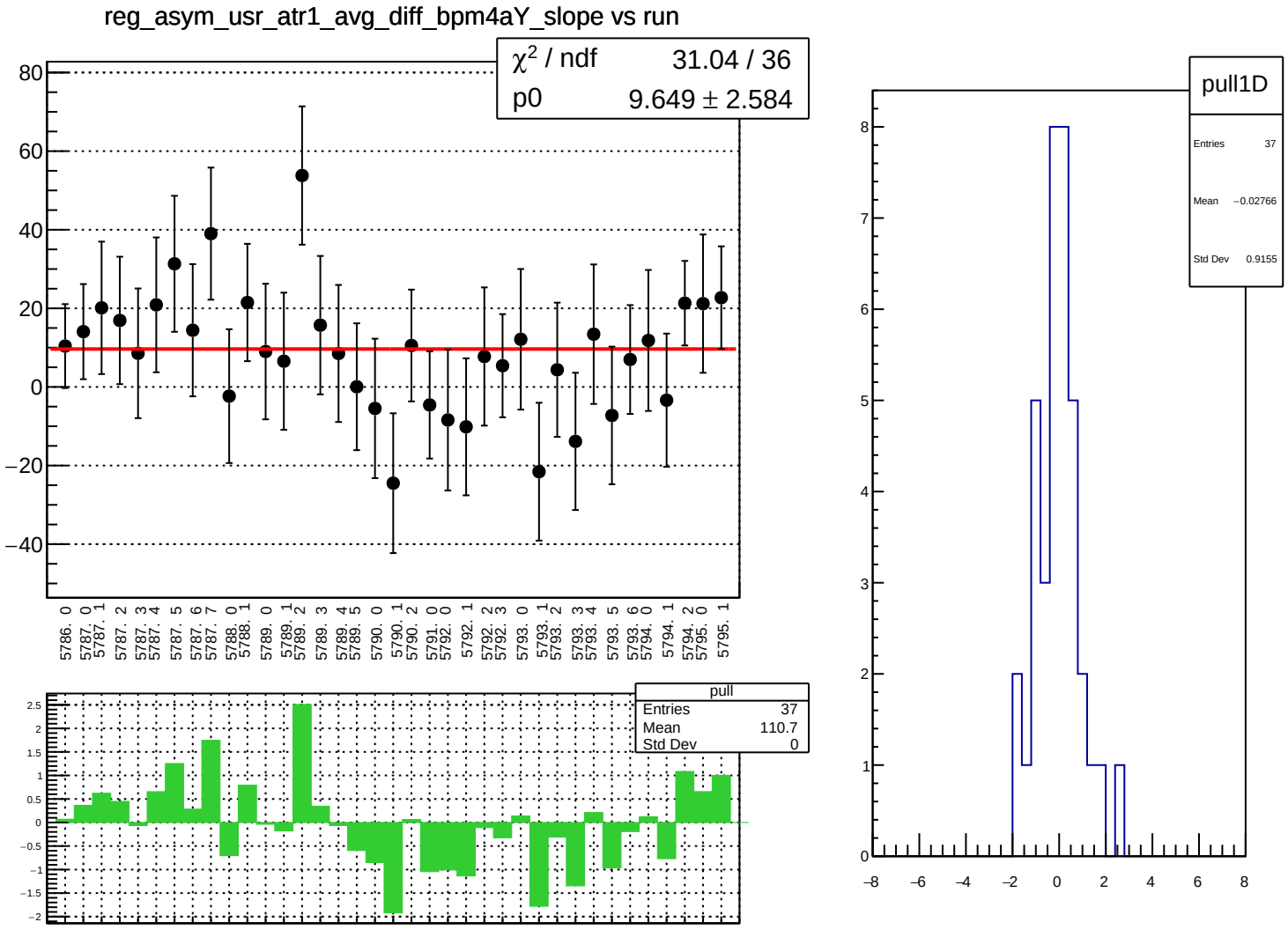

pull1D
Entries 37
Mean −0.05255
Std Dev 0.8652

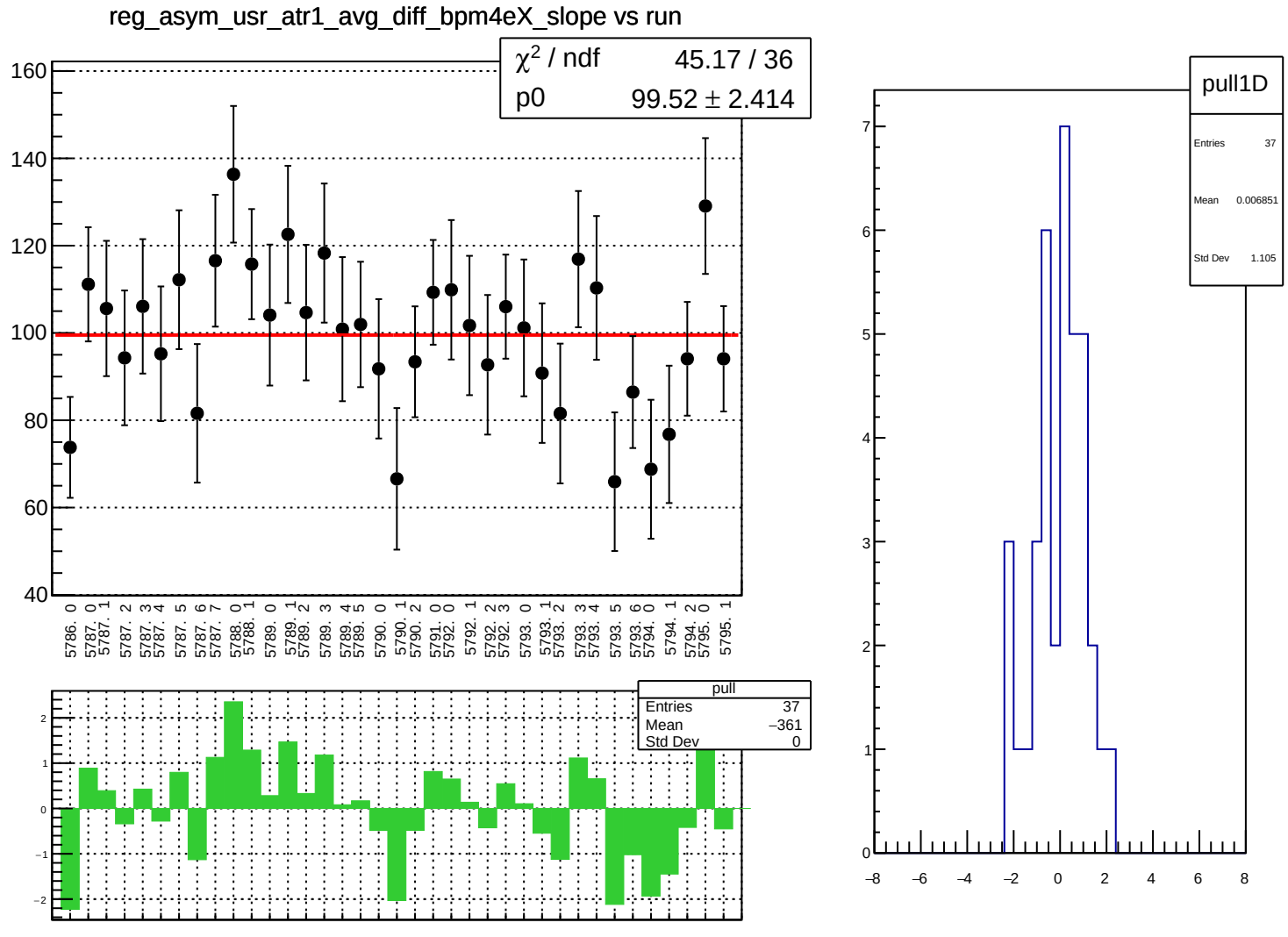

reg_asym_usl_atl2_dd_diff_bpm4eY_slope vs run
χ² / ndf 9.753 / 36
p0 −36.87 ± 4.169
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 56.39
Std Dev 0
0.5
0
−0.5
−1
−1.5

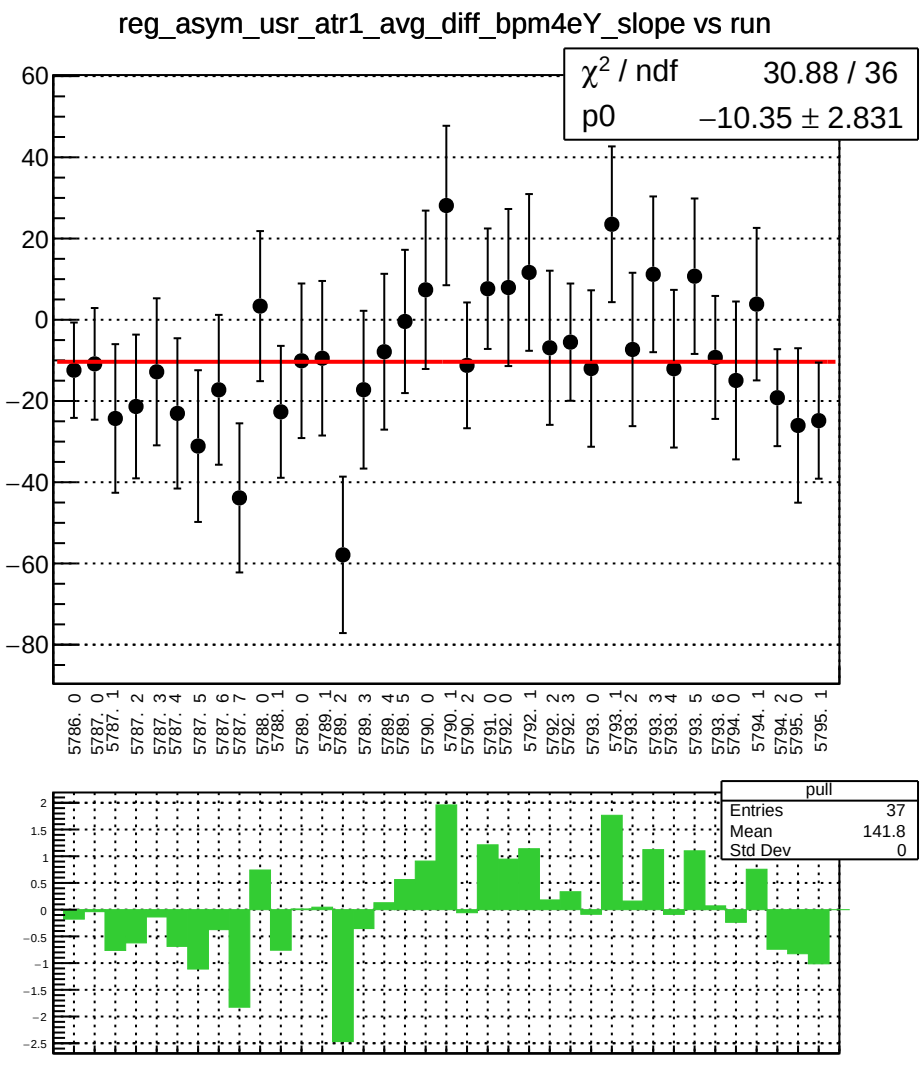

pull1D
Entries 37
Mean 0.05713
Std Dev 0.5102
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

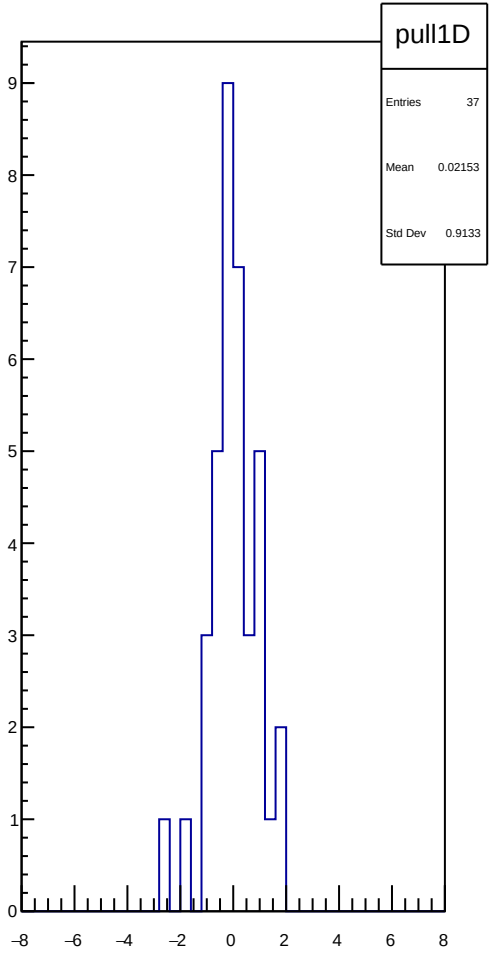

reg_asym_usl_atl2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.5 / 36
p0 80.56 ± 0.2965
84
82
80
78
76
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 211.4
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01266
Std Dev 0.5325
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

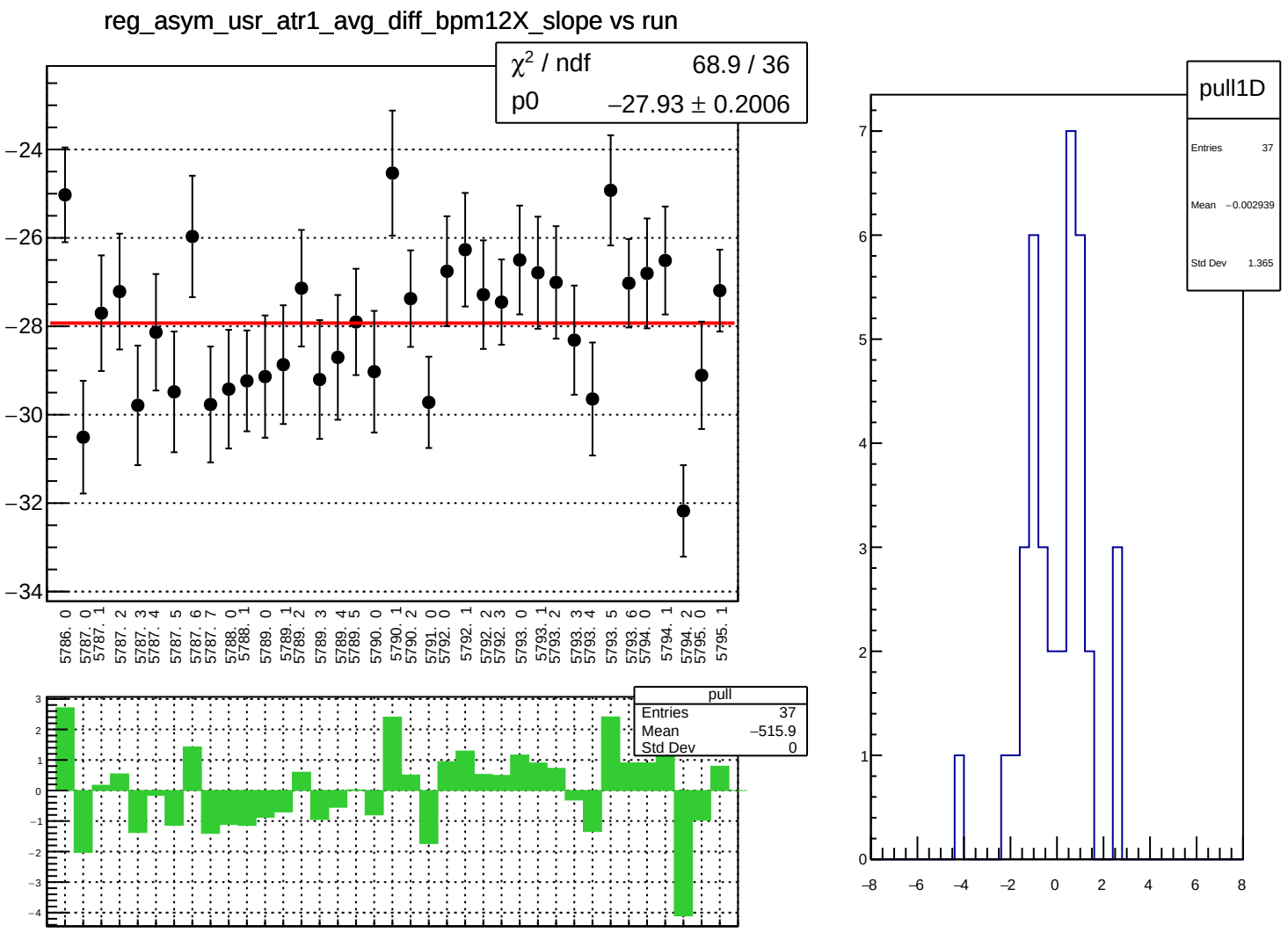

reg_asym_usr_atr1_avg_diff_bpm1X_slope vs run
χ² / ndf 43.23 / 36
p0 −57.45 ± 1.684
pull
Entries 37
Mean −111.2
Std Dev 0
pull1D
Entries 37
Mean −0.01246
Std Dev 1.081

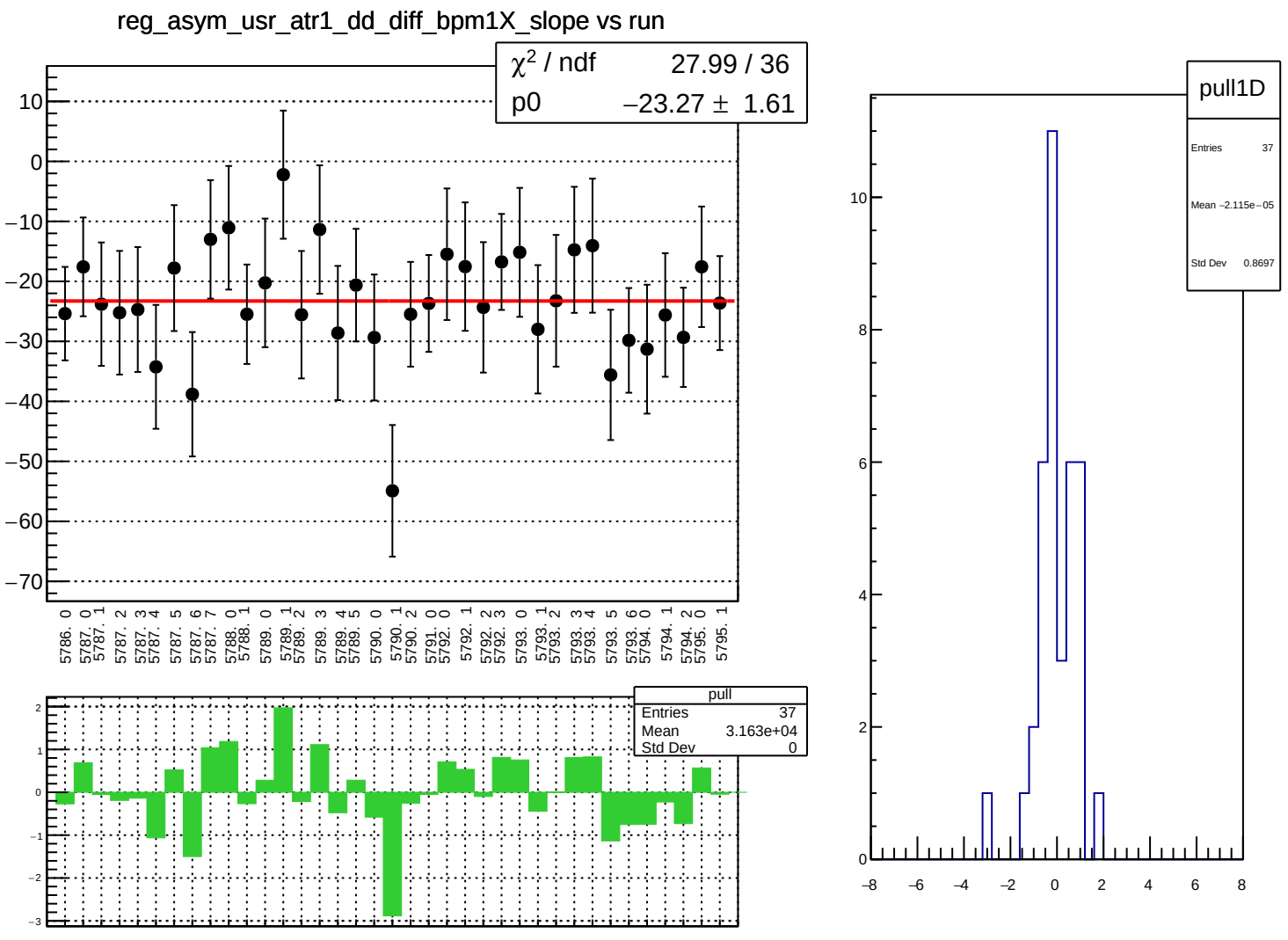

reg_asym_usr_atr1_avg_diff_bpm4aY_slope vs run
χ² / ndf 31.04 / 36
p0 9.649 ± 2.584
pull
Entries 37
Mean 110.7
Std Dev 0
pull1D
Entries 37
Mean −0.02766
Std Dev 0.9155

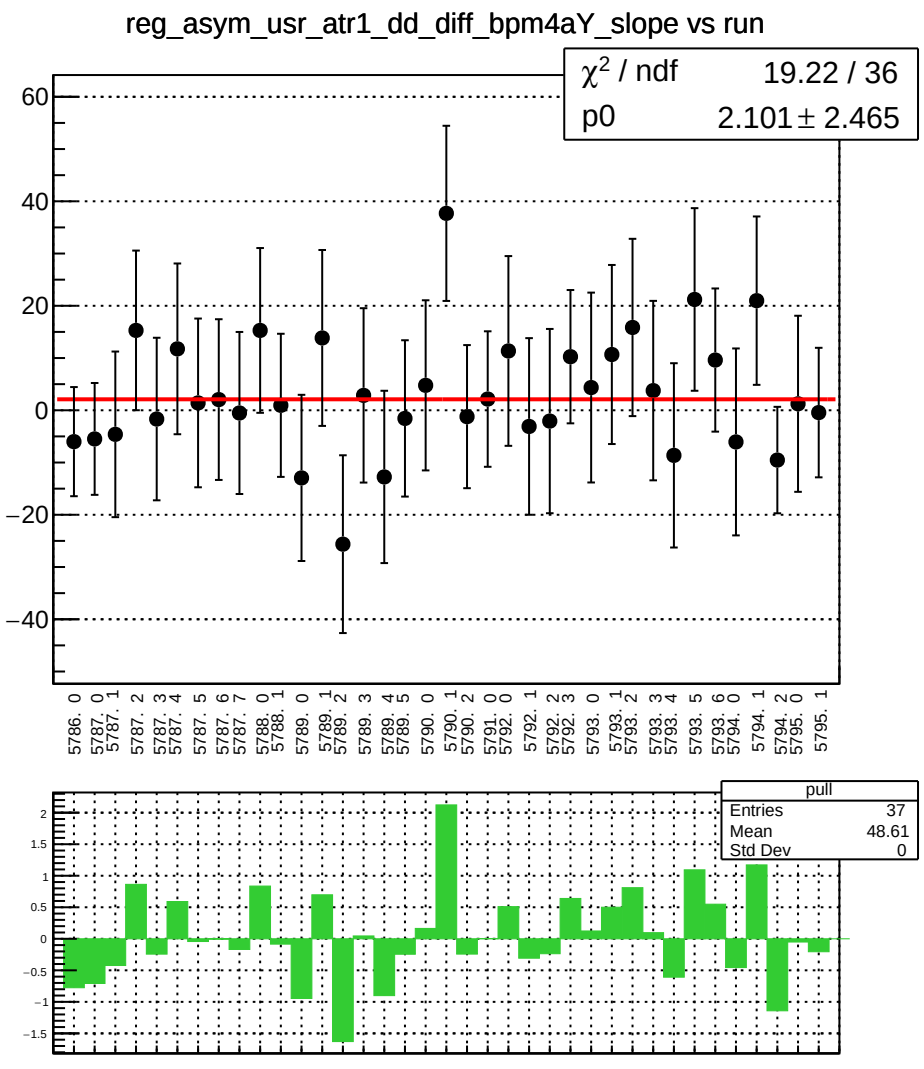

reg_asym_usr_atr1_avg_diff_bpm4eX_slope vs run
χ² / ndf 45.17 / 36
p0 99.52 ± 2.414
160
140
120
100
80
60
40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −361
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.006851
Std Dev 1.105
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

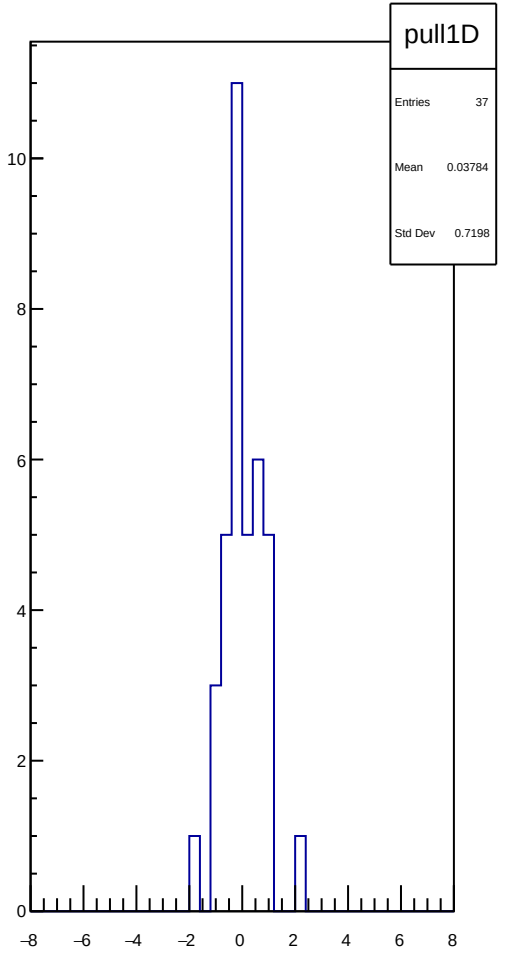

reg_asym_usr_atr1_avg_diff_bpm4eY_slope vs run
χ² / ndf 30.88 / 36
p0 −10.35 ± 2.831
pull
Entries 37
Mean 141.8
Std Dev 0

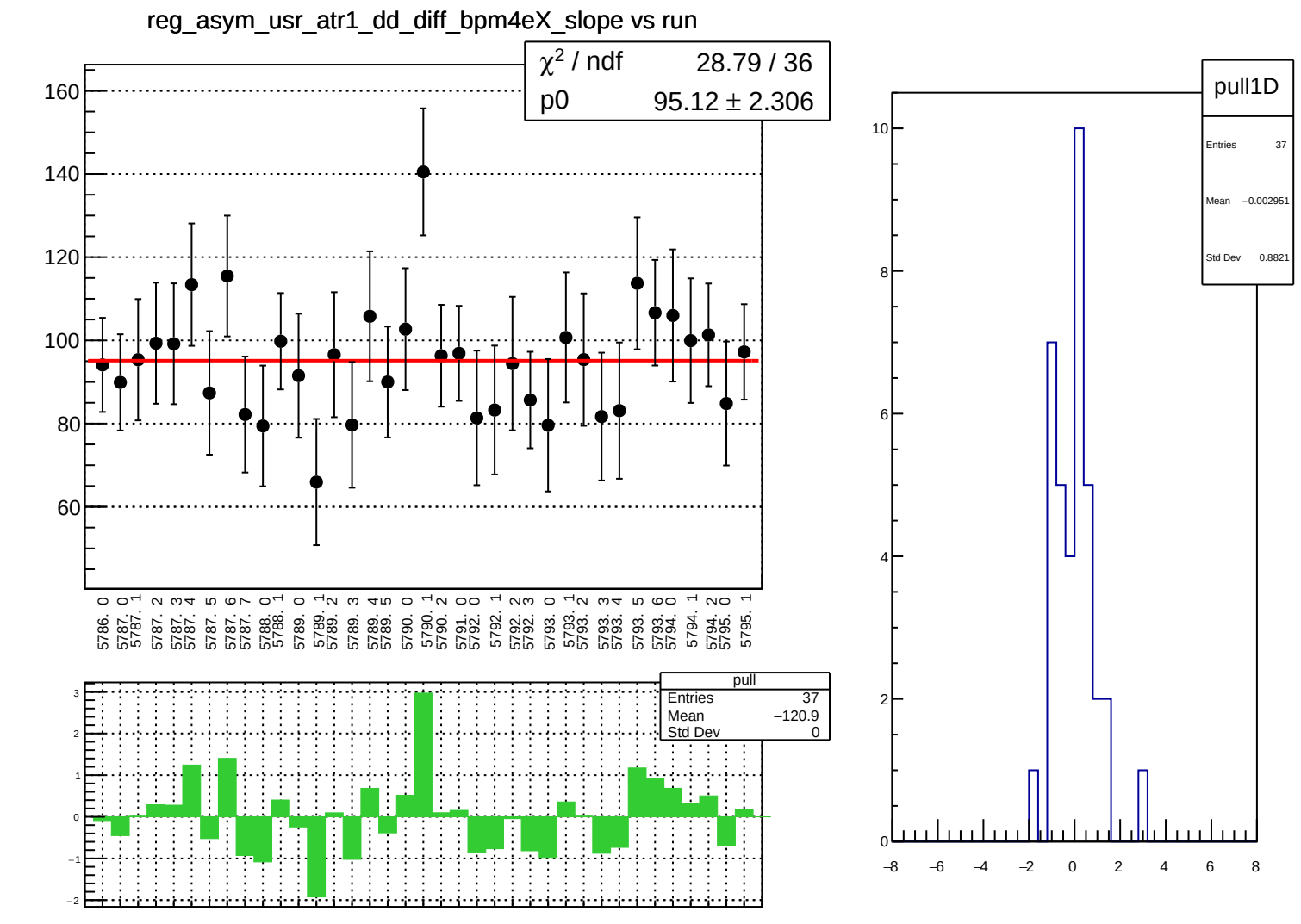

pull1D
Entries 37
Mean 0.02153
Std Dev 0.9133

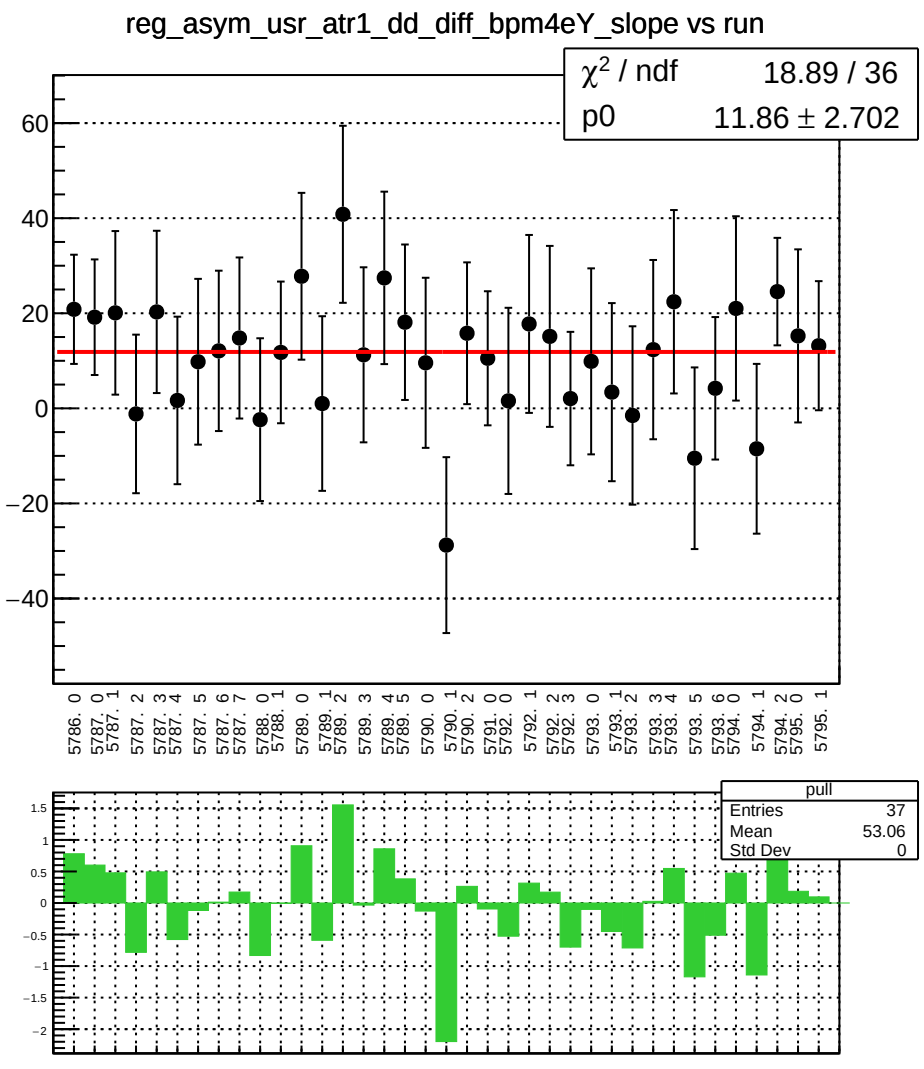

reg_asym_usr_atr1_avg_diff_bpm12X_slope vs run
χ² / ndf 68.9 / 36
p0 −27.93 ± 0.2006
pull
Entries 37
Mean −515.9
Std Dev 0
pull1D
Entries 37
Mean −0.002939
Std Dev 1.365

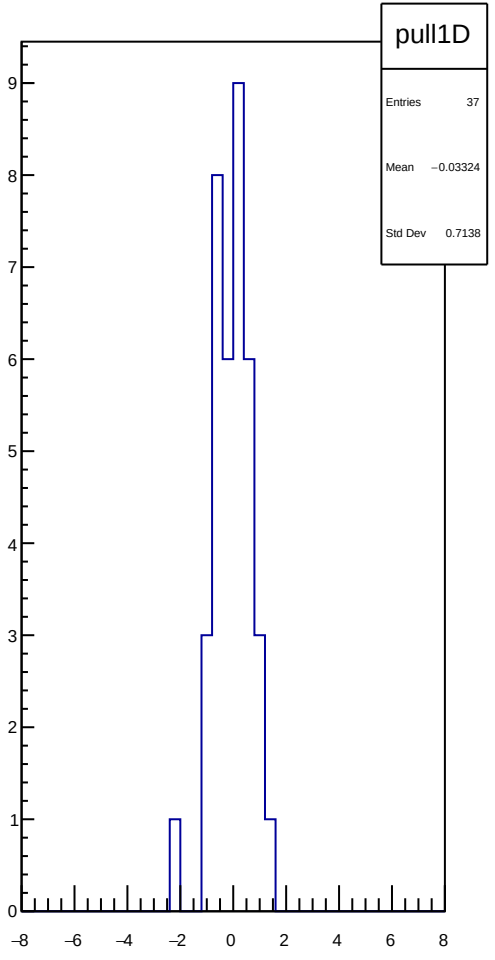

reg_asym_usr_atr1_dd_diff_bpm1X_slope vs run
χ² / ndf 27.99 / 36
p0 −23.27 ± 1.61
pull
Entries 37
Mean 3.163e+04
Std Dev 0
pull1D
Entries 37
Mean −2.115e−05
Std Dev 0.8697

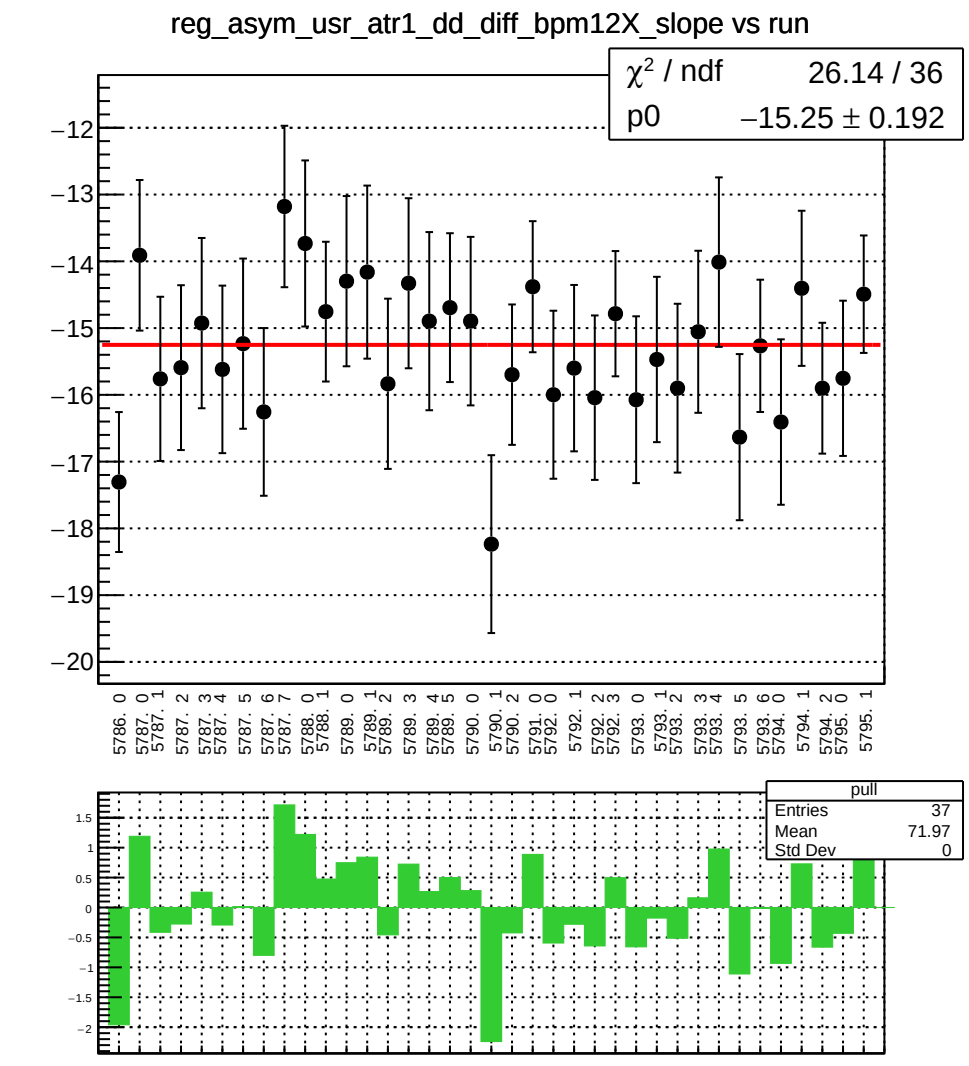

reg_asym_usr_atr1_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.22 / 36
p0 2.101 ± 2.465
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.61
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5

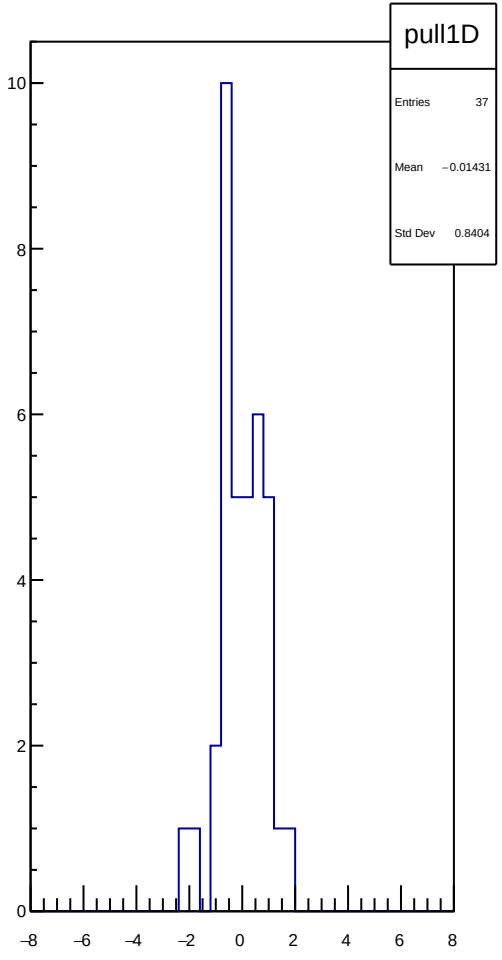

pull1D
Entries 37
Mean 0.03784
Std Dev 0.7198
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

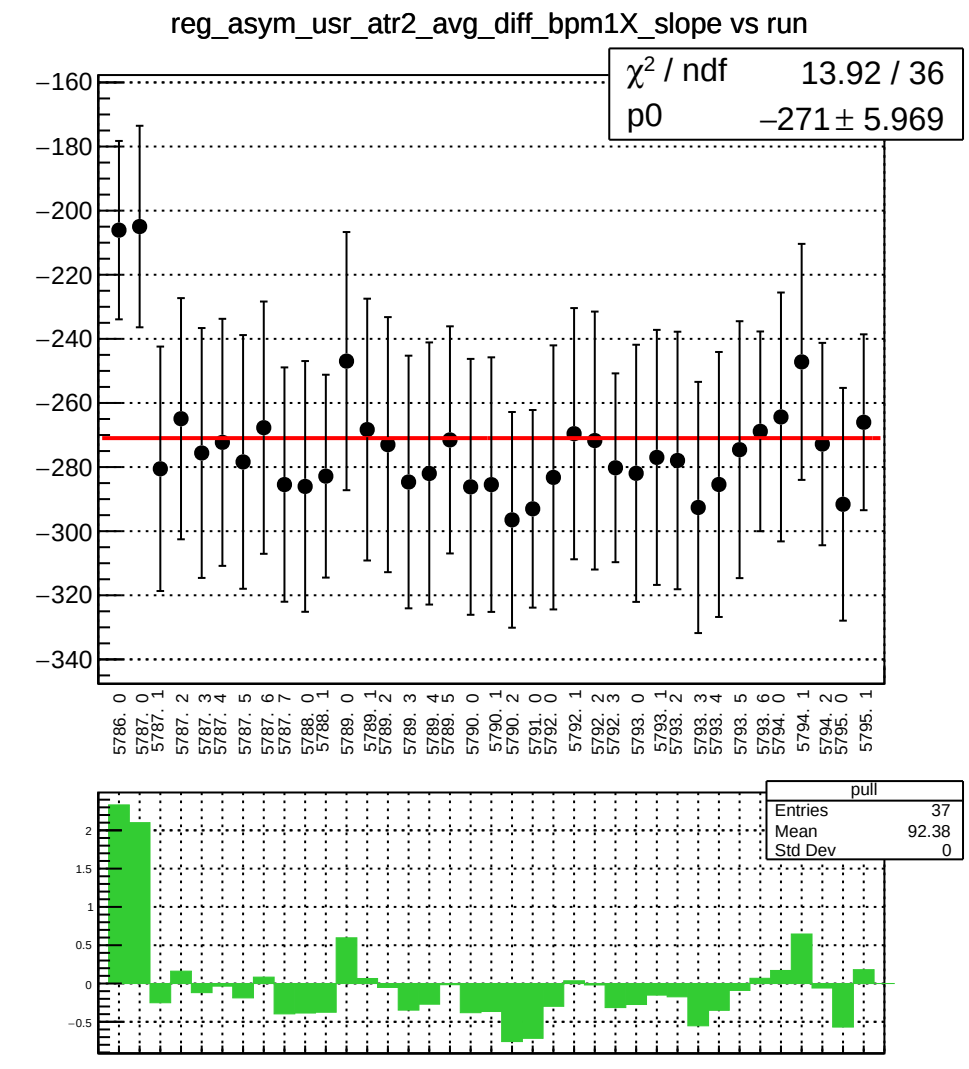

reg_asym_usr_atr1_dd_diff_bpm4eX_slope vs run
χ² / ndf 28.79 / 36
p0 95.12 ± 2.306
160
140
120
100
80
60
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −120.9
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.002951
Std Dev 0.8821
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

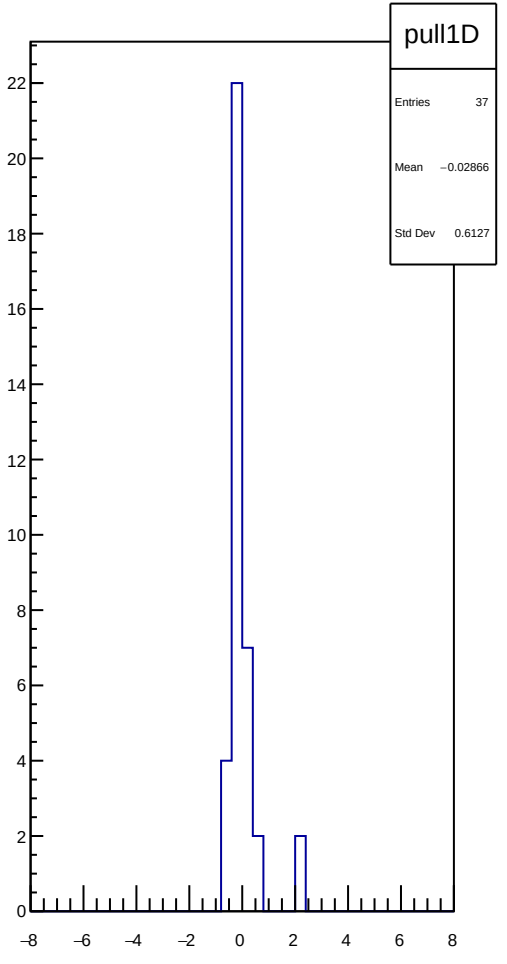

reg_asym_usr_atr1_dd_diff_bpm4eY_slope vs run
χ² / ndf 18.89 / 36
p0 11.86 ± 2.702
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 53.06
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

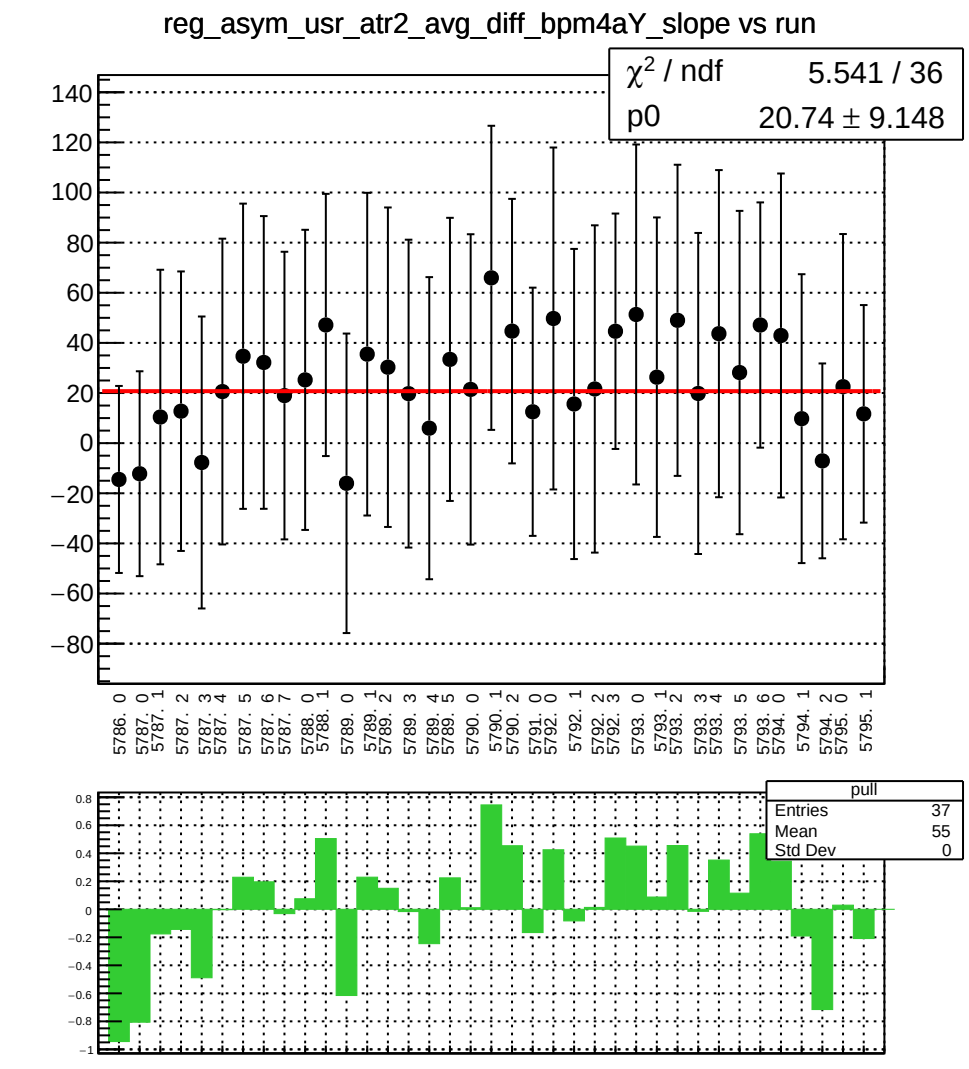

pull1D
Entries 37
Mean −0.03324
Std Dev 0.7138
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

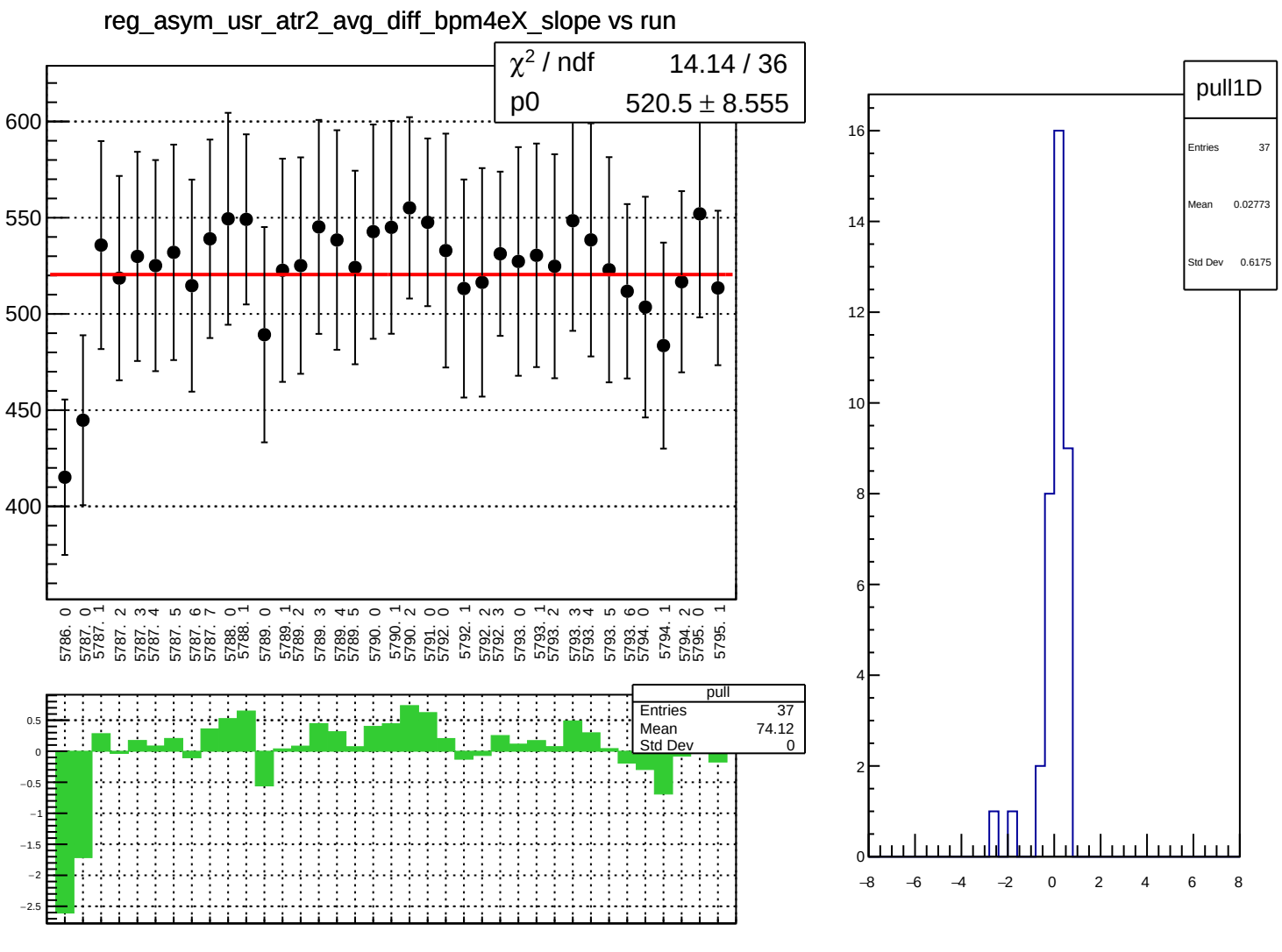

reg_asym_usr_atr1_dd_diff_bpm12X_slope vs run
χ² / ndf 26.14 / 36
p0 −15.25 ± 0.192
pull
Entries 37
Mean 71.97
Std Dev 0

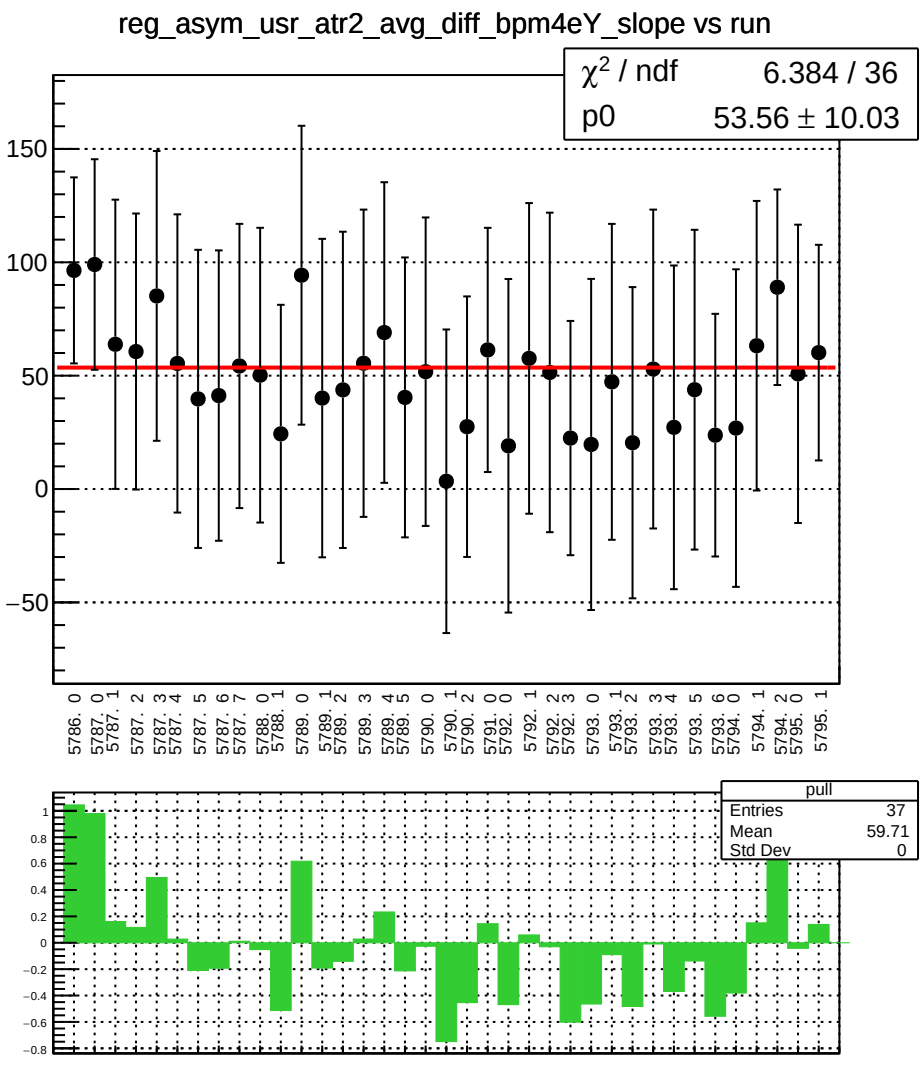

pull1D
Entries 37
Mean −0.01431
Std Dev 0.8404

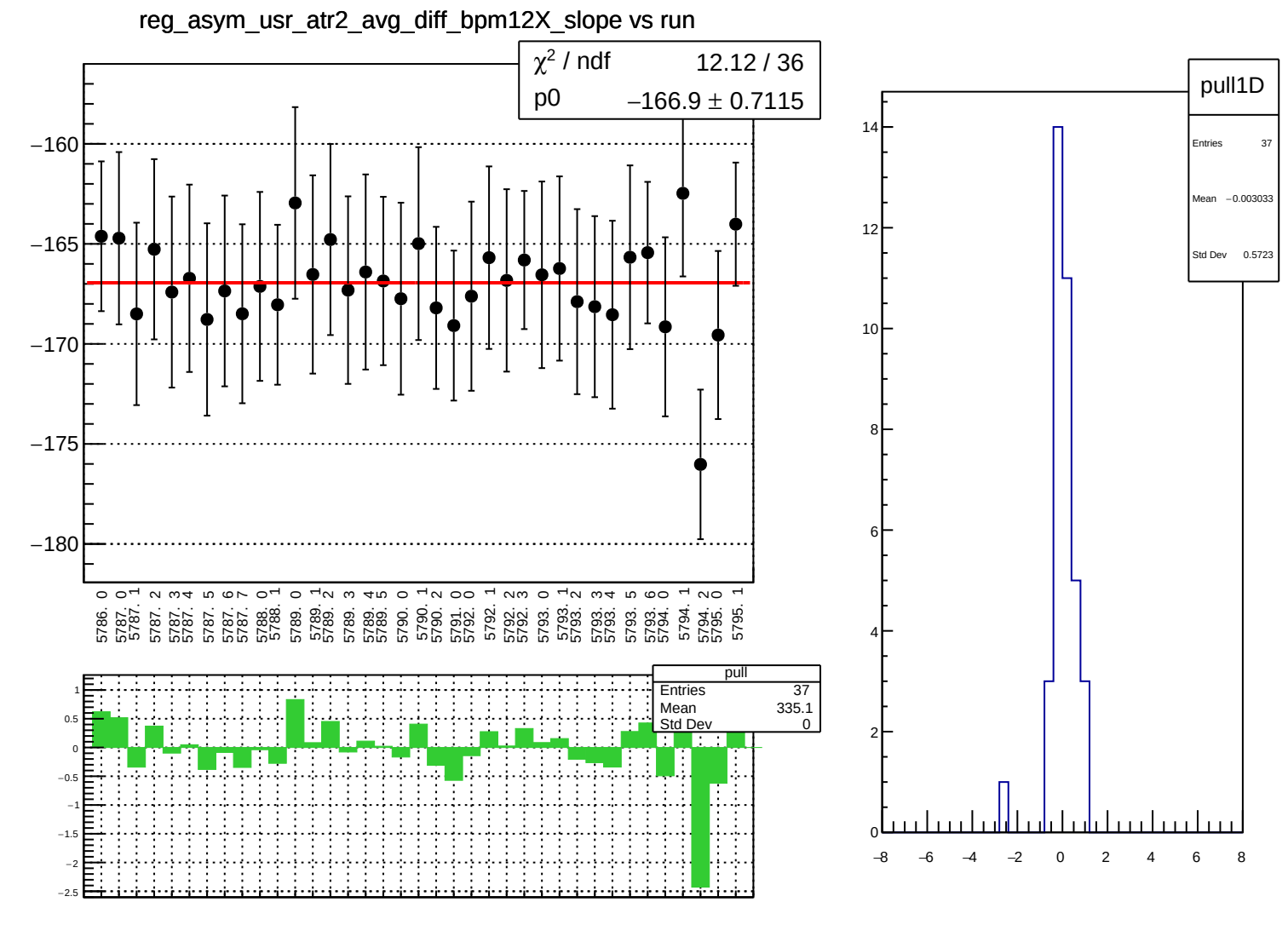

reg_asym_usr_atr2_avg_diff_bpm1X_slope vs run
χ² / ndf 13.92 / 36
p0 −271 ± 5.969
−160
−180
−200
−220
−240
−260
−280
−300
−320
−340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 92.38
Std Dev 0
2
1.5
1
0.5
0
−0.5

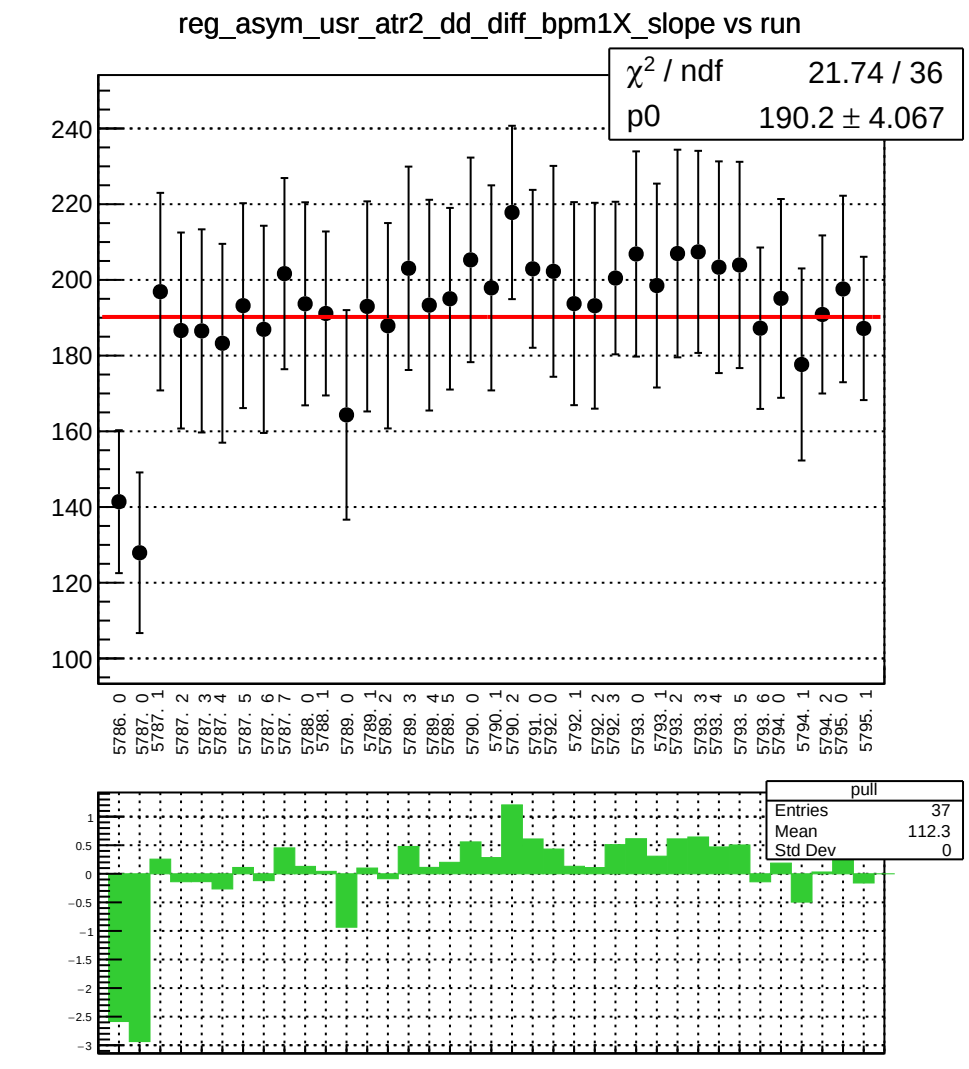

pull1D
Entries 37
Mean −0.02866
Std Dev 0.6127
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

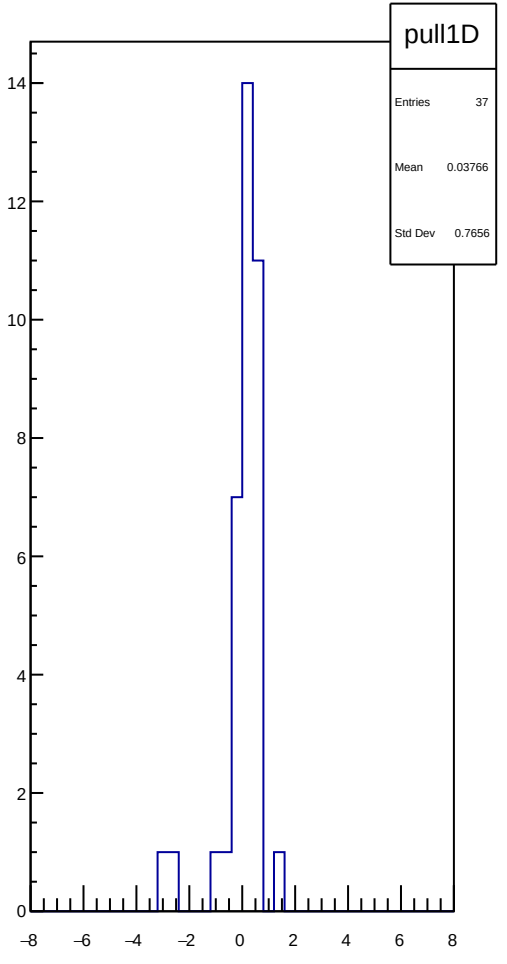

reg_asym_usr_atr2_avg_diff_bpm4aY_slope vs run
χ² / ndf 5.541 / 36
p0 20.74 ± 9.148
pull
Entries 37
Mean 55
Std Dev 0
pull1D
Entries 37
Mean 0.03499
Std Dev 0.3854

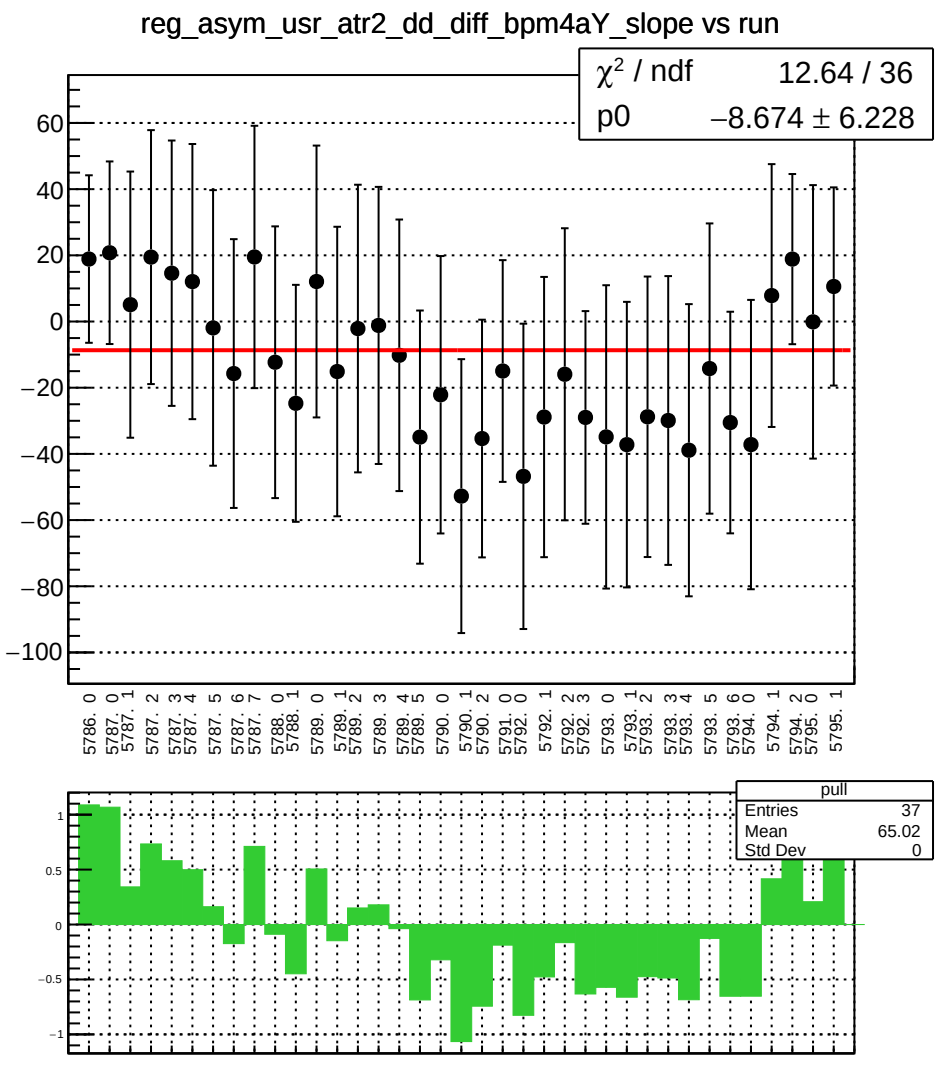

reg_asym_usr_atr2_avg_diff_bpm4eX_slope vs run
χ² / ndf 14.14 / 36
p0 520.5 ± 8.555
600
550
500
450
400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 74.12
Std Dev 0
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.02773
Std Dev 0.6175
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

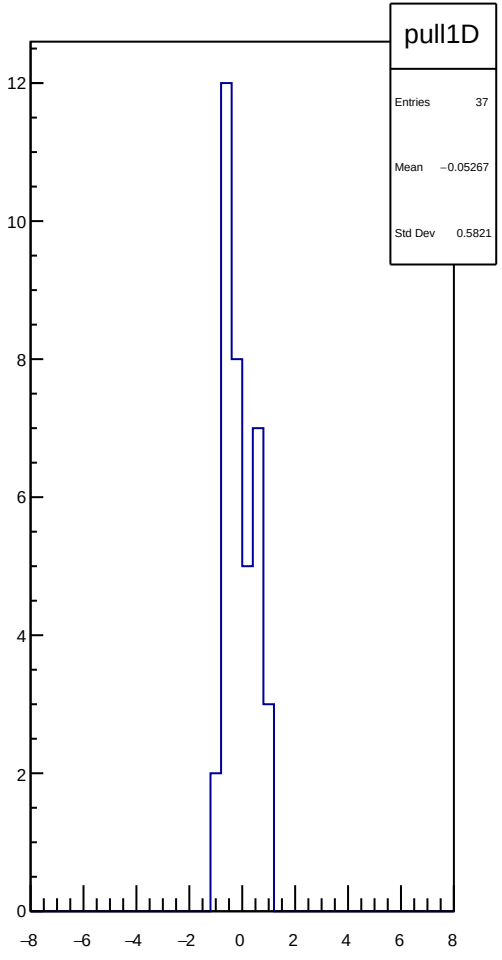

reg_asym_usr_atr2_avg_diff_bpm4eY_slope vs run
χ² / ndf 6.384 / 36
p0 53.56 ± 10.03
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 59.71
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
pull1D
Entries 37
Mean −0.03634
Std Dev 0.4138
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

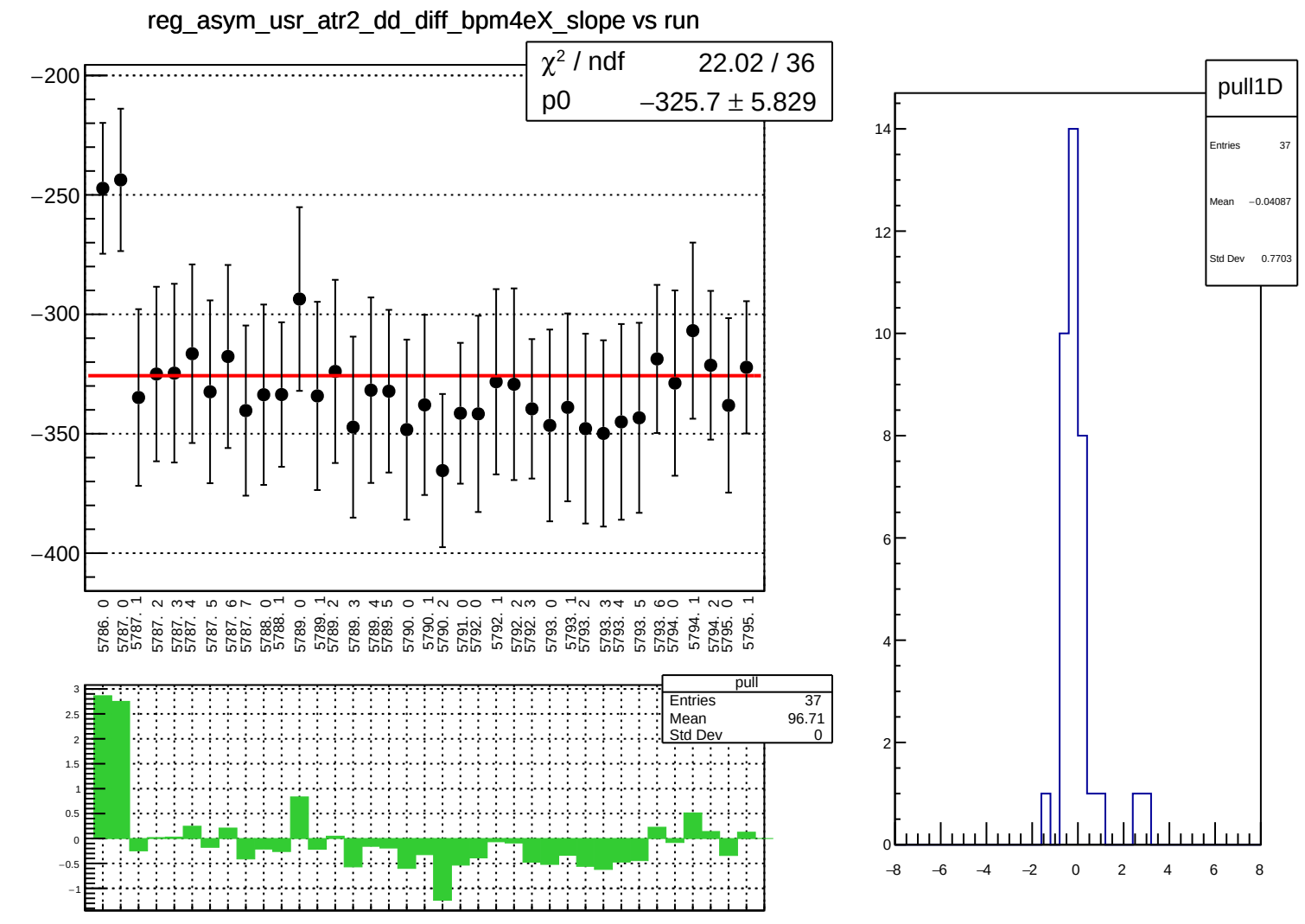

reg_asym_usr_atr2_avg_diff_bpm12X_slope vs run
χ² / ndf 12.12 / 36
p0 −166.9 ± 0.7115
−160
−165
−170
−175
−180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 335.1
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean −0.003033
Std Dev 0.5723
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

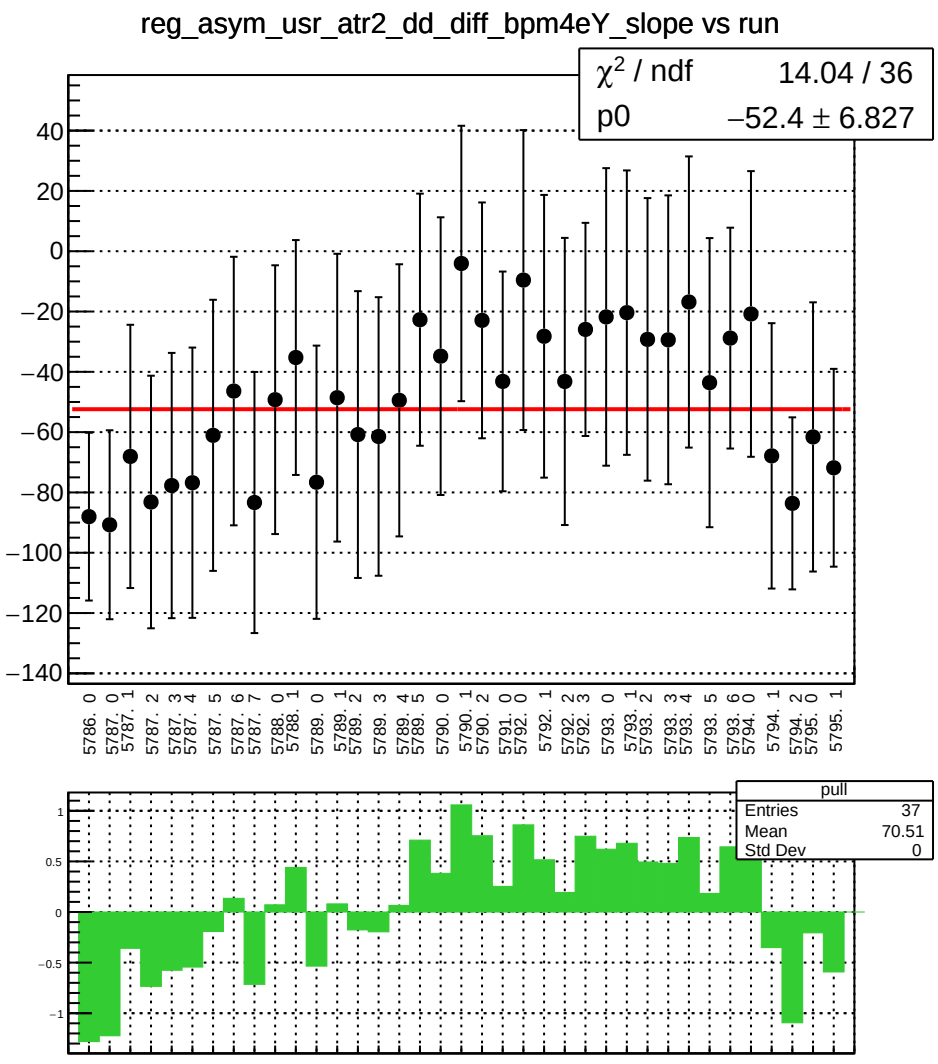

reg_asym_usr_atr2_dd_diff_bpm1X_slope vs run
χ² / ndf 21.74 / 36
p0 190.2 ± 4.067
240
220
200
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 112.3
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
−3

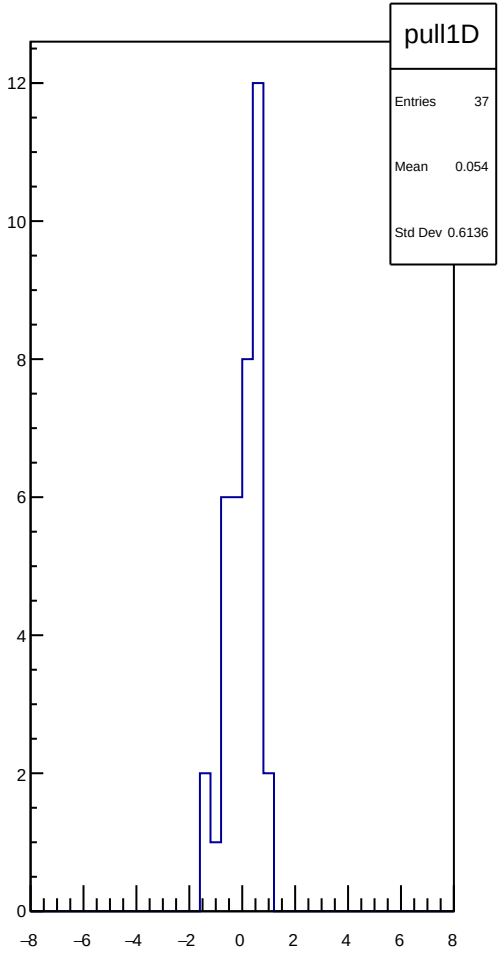

pull1D
Entries 37
Mean 0.03766
Std Dev 0.7656
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

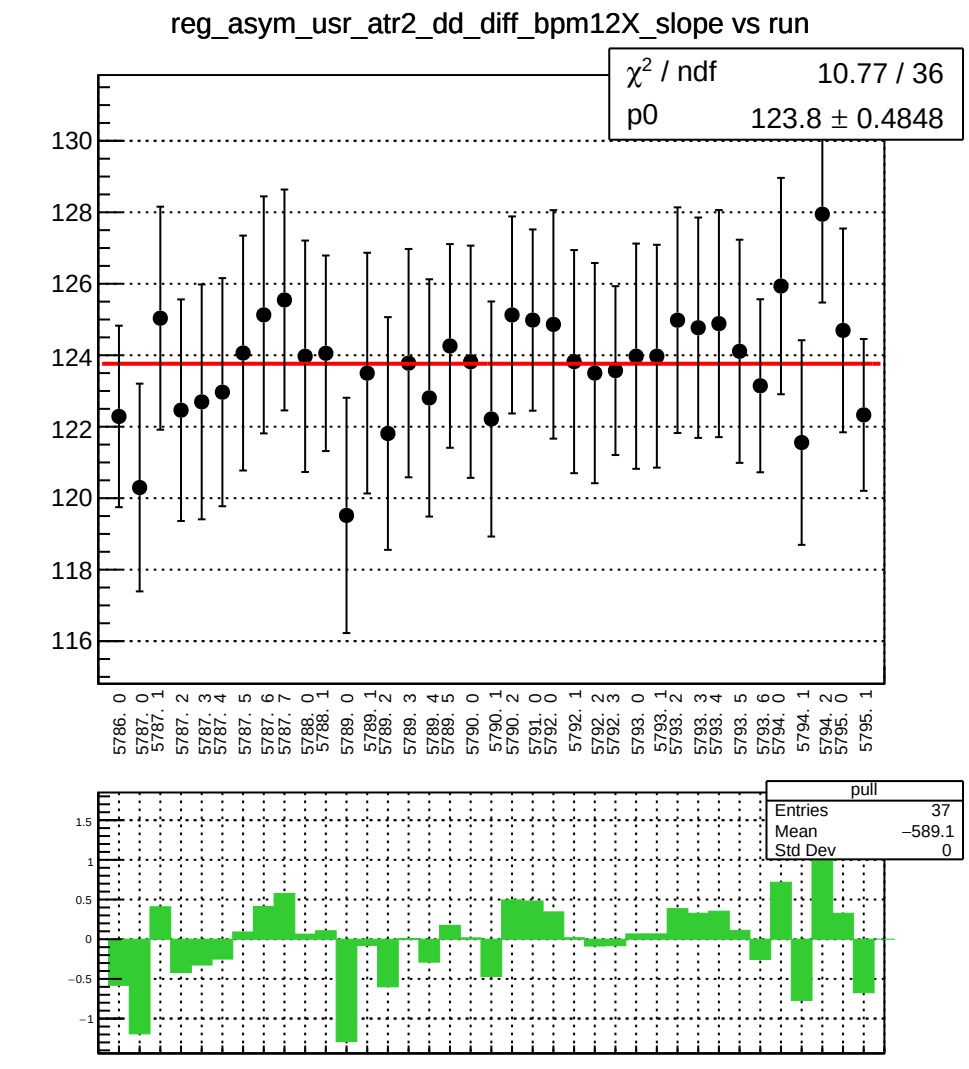

reg_asym_usr_atr2_dd_diff_bpm4aY_slope vs run
χ² / ndf 12.64 / 36
p0 −8.674 ± 6.228
pull
Entries 37
Mean 65.02
Std Dev 0

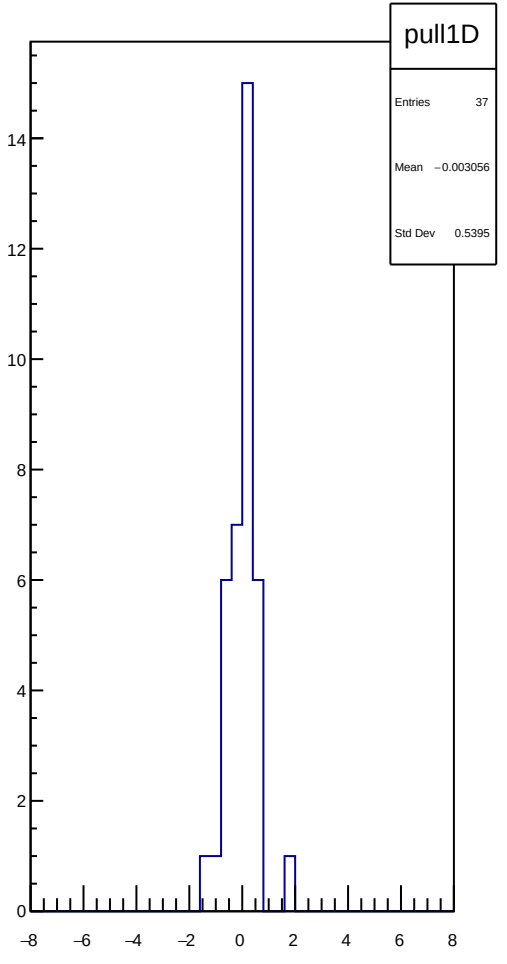

pull1D
Entries 37
Mean −0.05267
Std Dev 0.5821

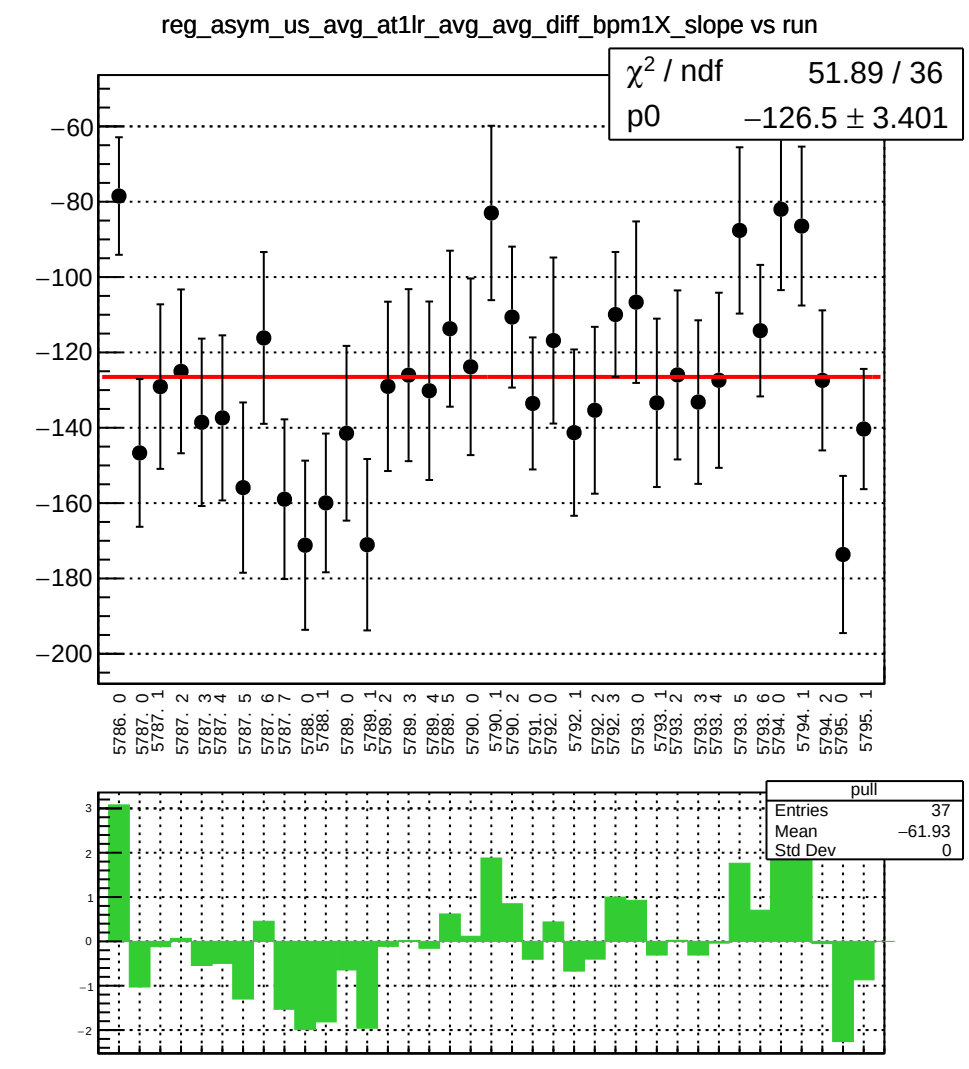

reg_asym_usr_atr2_dd_diff_bpm4eX_slope vs run
χ² / ndf 22.02 / 36
p0 −325.7 ± 5.829
−200
−250
−300
−350
−400
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 96.71
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.04087
Std Dev 0.7703
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

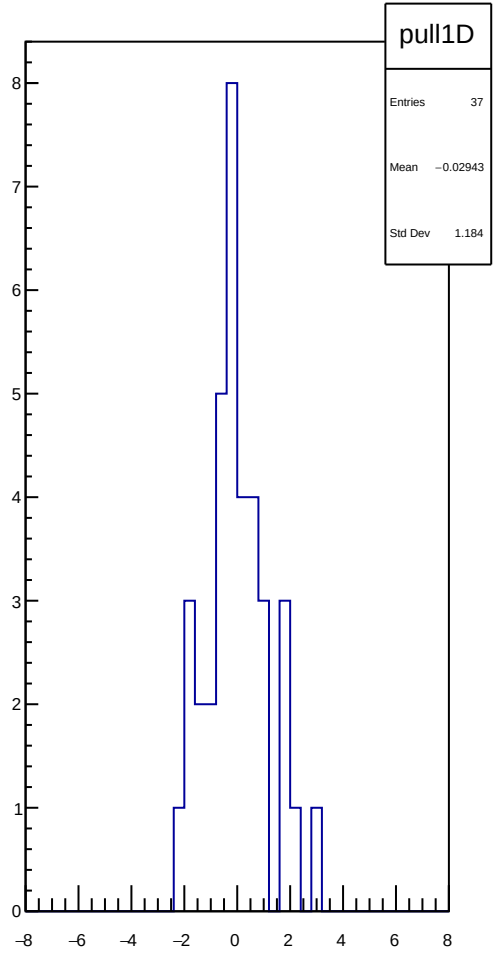

reg_asym_usr_atr2_dd_diff_bpm4eY_slope vs run
χ² / ndf 14.04 / 36
p0 −52.4 ± 6.827
pull
Entries 37
Mean 70.51
Std Dev 0

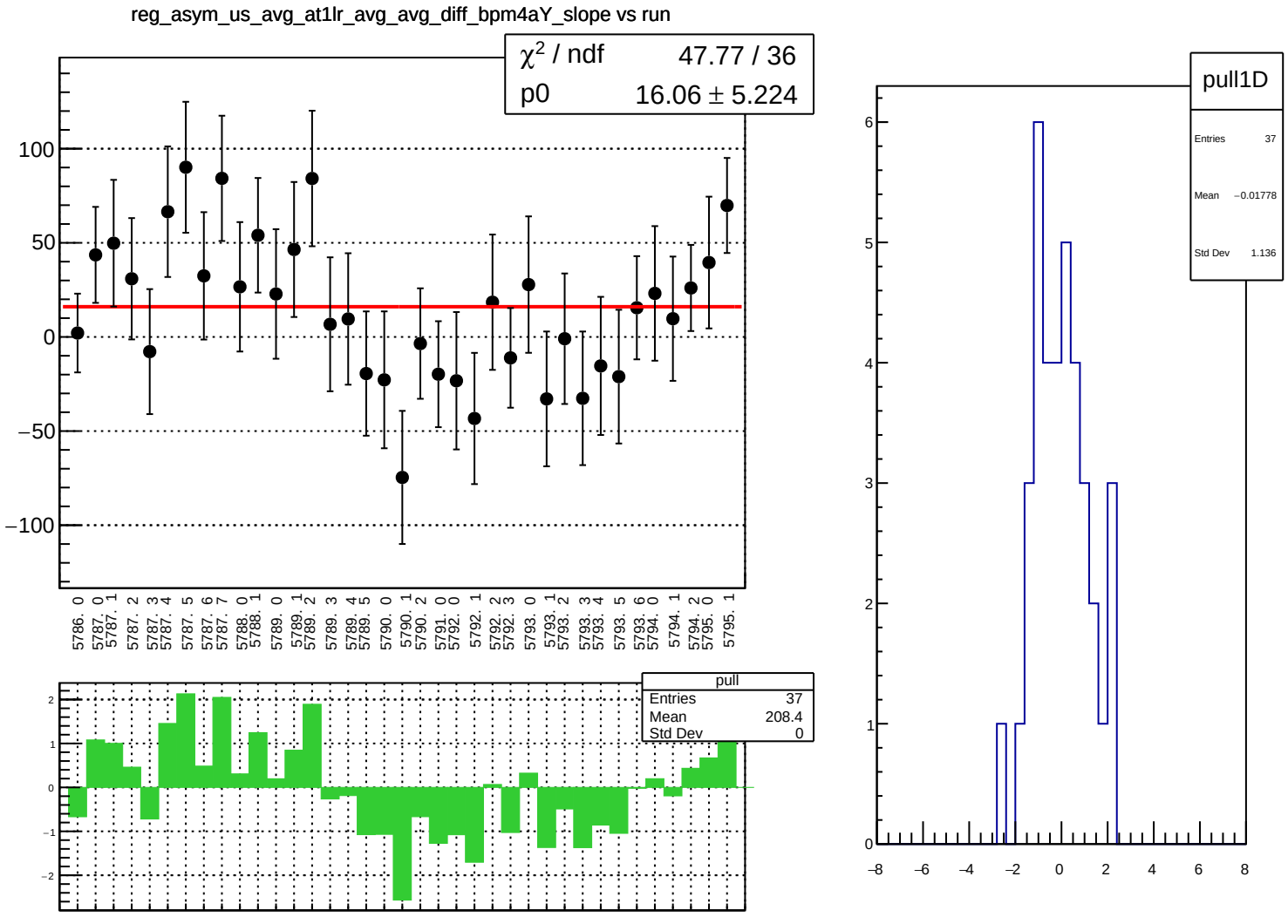

pull1D
Entries 37
Mean 0.054
Std Dev 0.6136

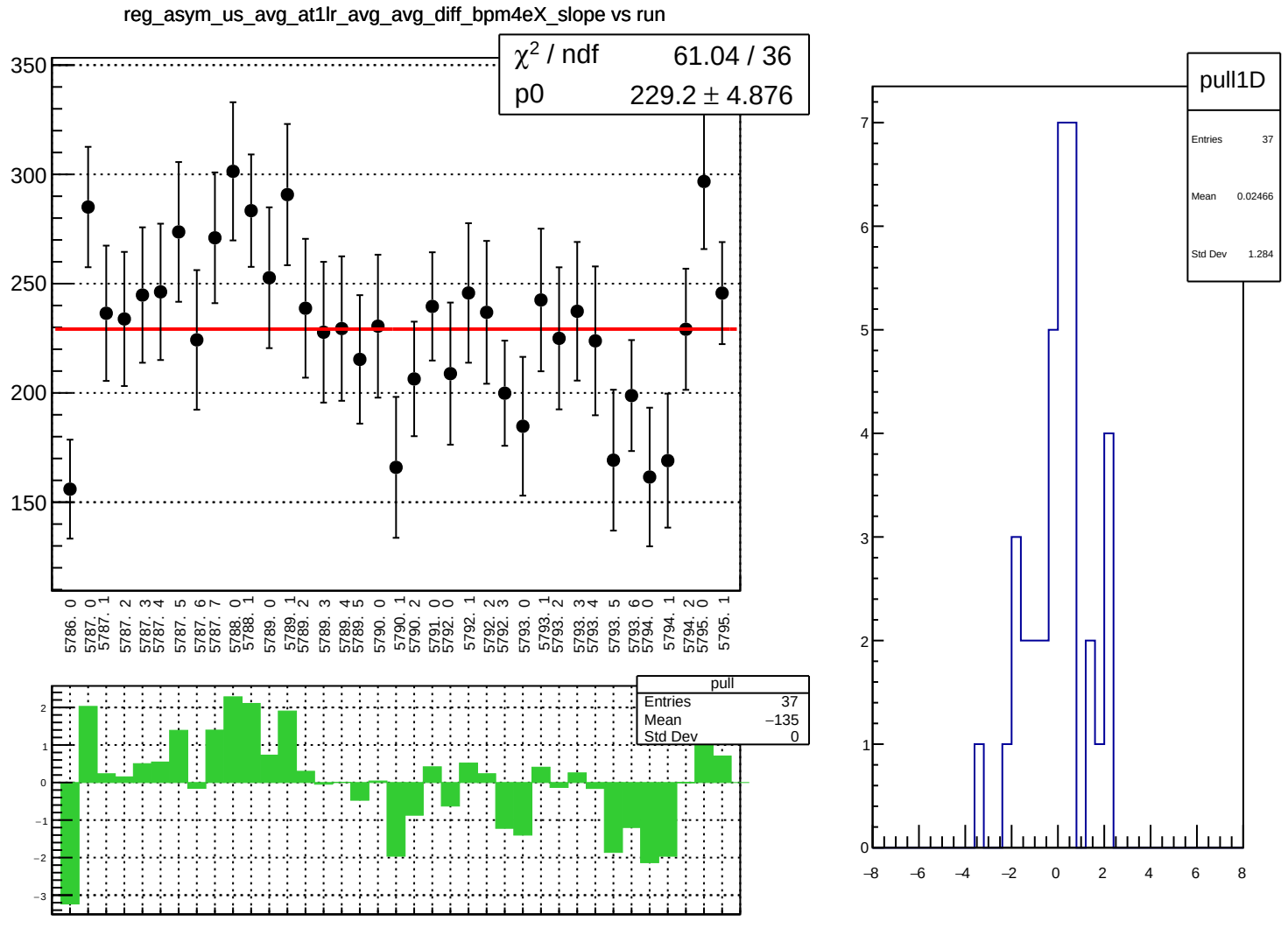

reg_asym_usr_atr2_dd_diff_bpm12X_slope vs run
χ² / ndf 10.77 / 36
p0 123.8 ± 0.4848
130
128
126
124
122
120
118
116
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −589.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1

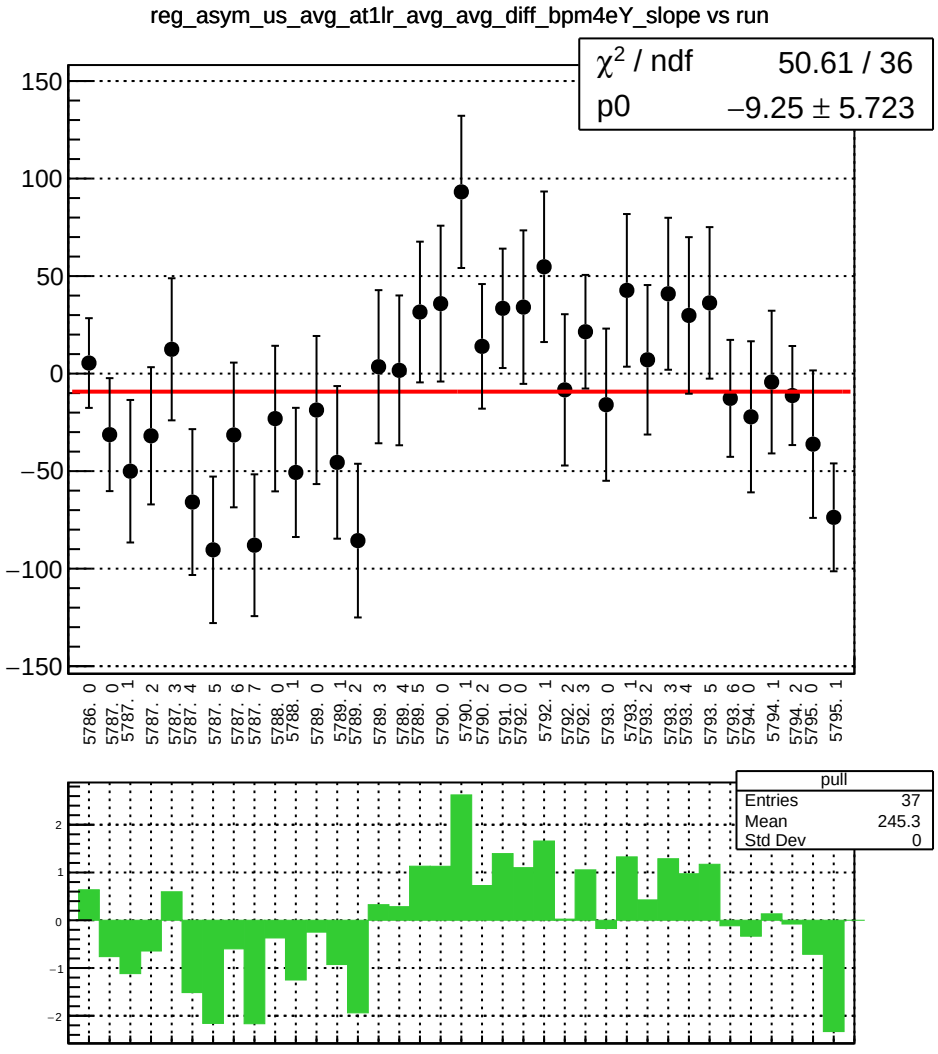

pull1D
Entries 37
Mean −0.003056
Std Dev 0.5395
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

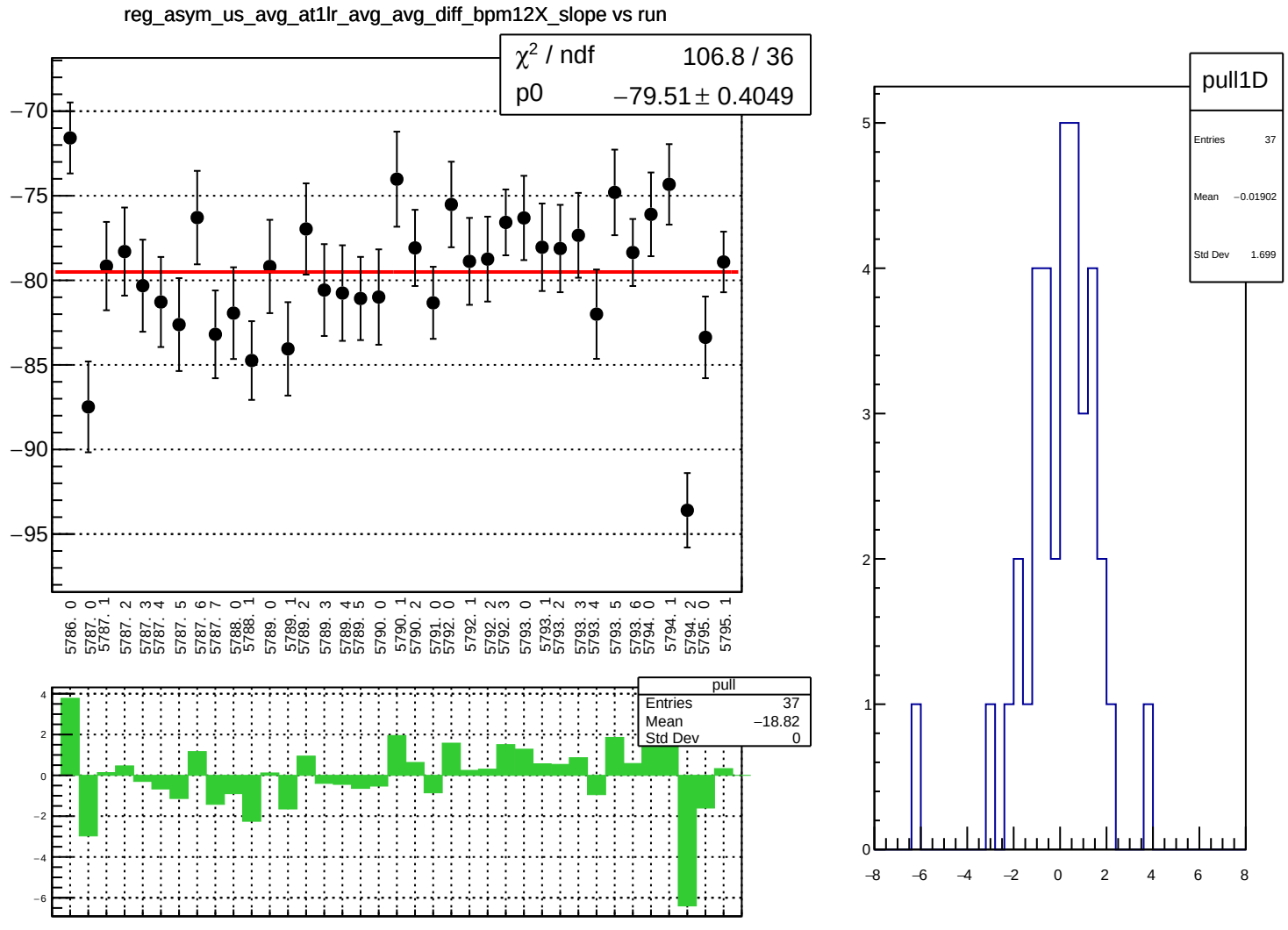

reg_asym_us_avg_at1lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 51.89 / 36
p0 −126.5 ± 3.401
−60
−80
−100
−120
−140
−160
−180
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −61.93
Std Dev 0
3
2
1
0
−1
−2

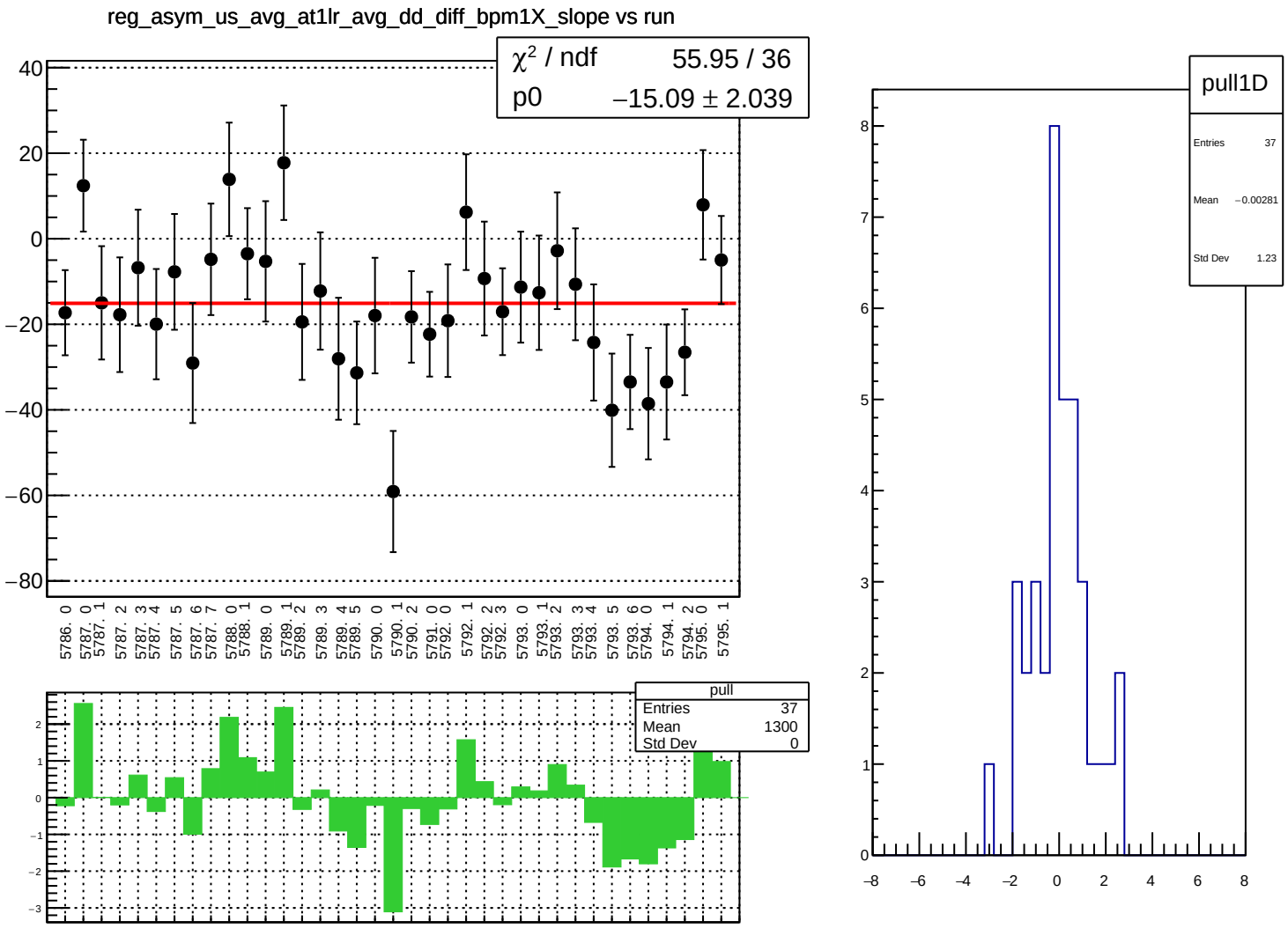

pull1D
Entries 37
Mean −0.02943
Std Dev 1.184
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

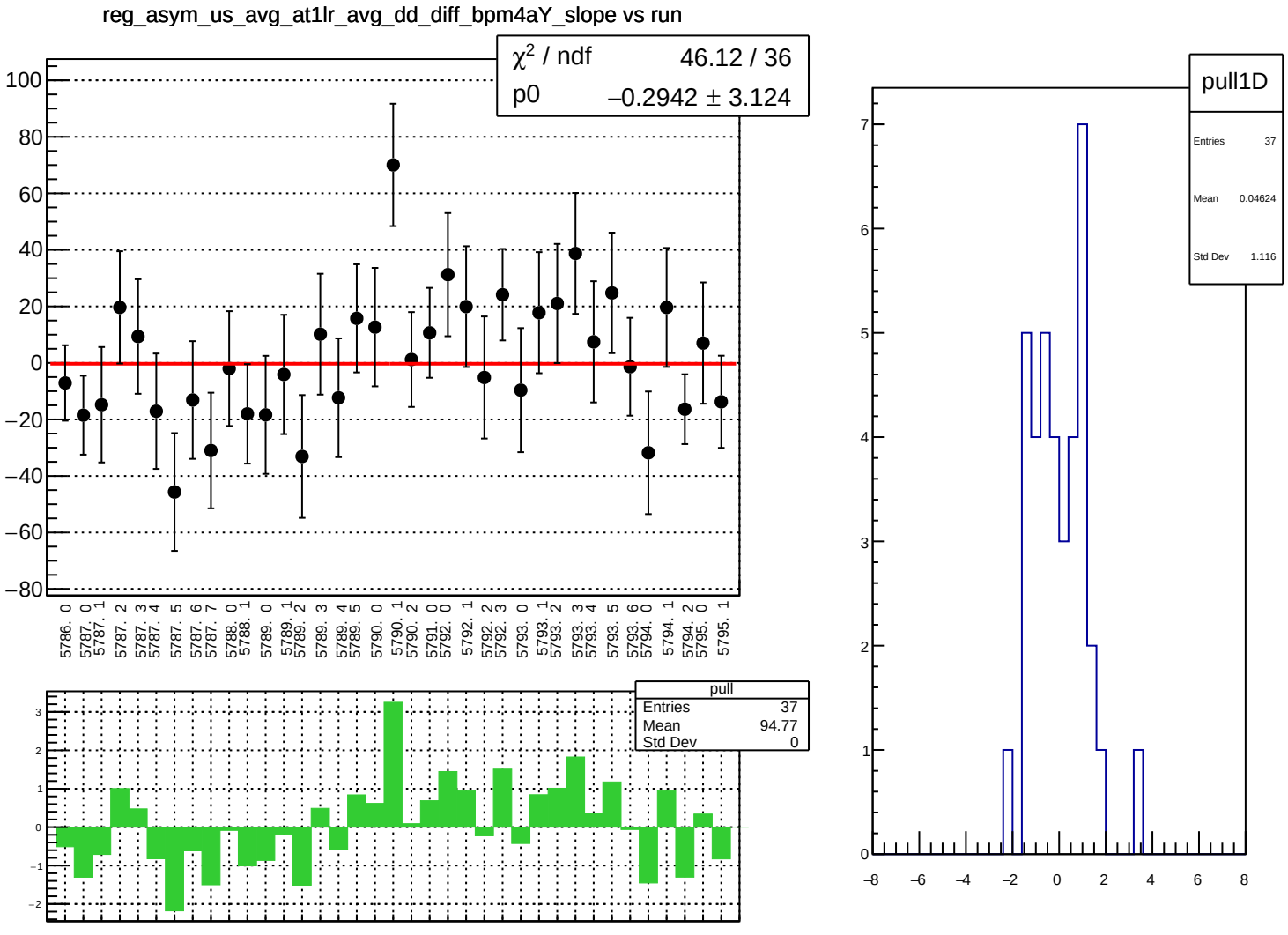

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 47.77 / 36
p0 16.06 ± 5.224
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 208.4
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01778
Std Dev 1.136
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

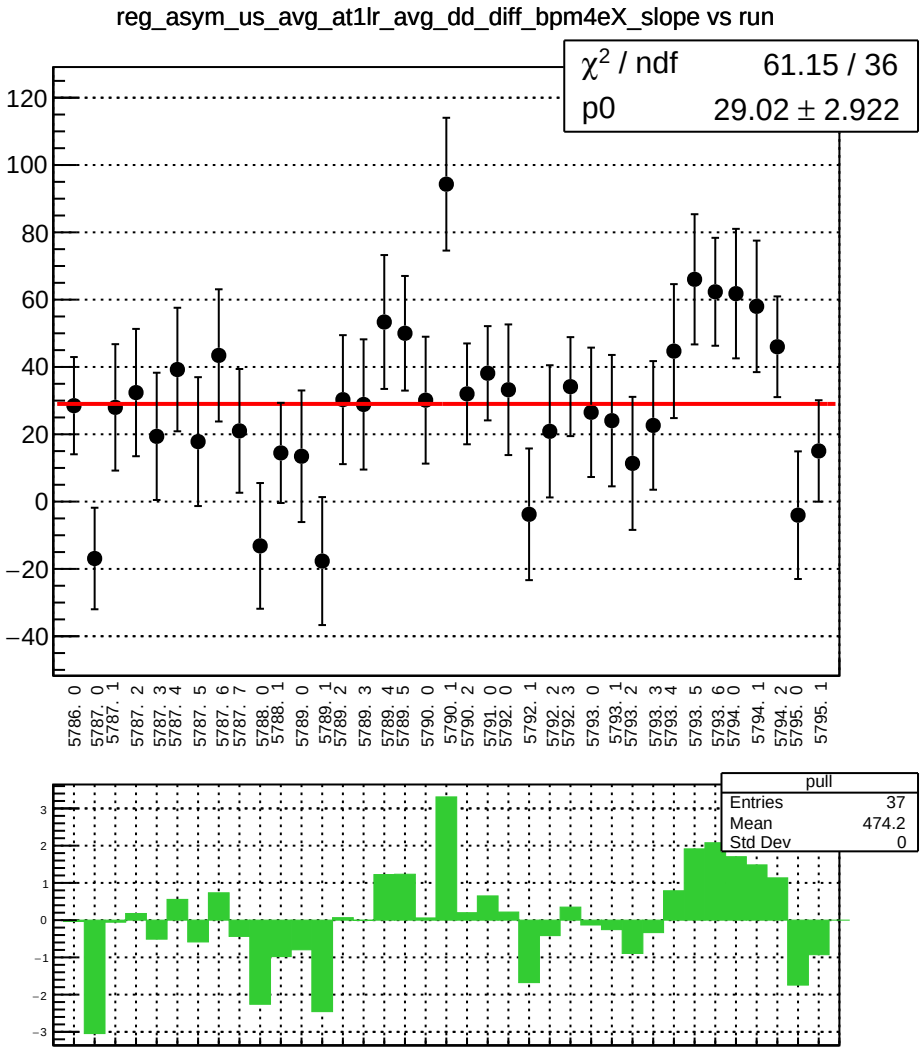

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 61.04 / 36
p0 229.2 ± 4.876
350
300
250
200
150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −135
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean 0.02466
Std Dev 1.284
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

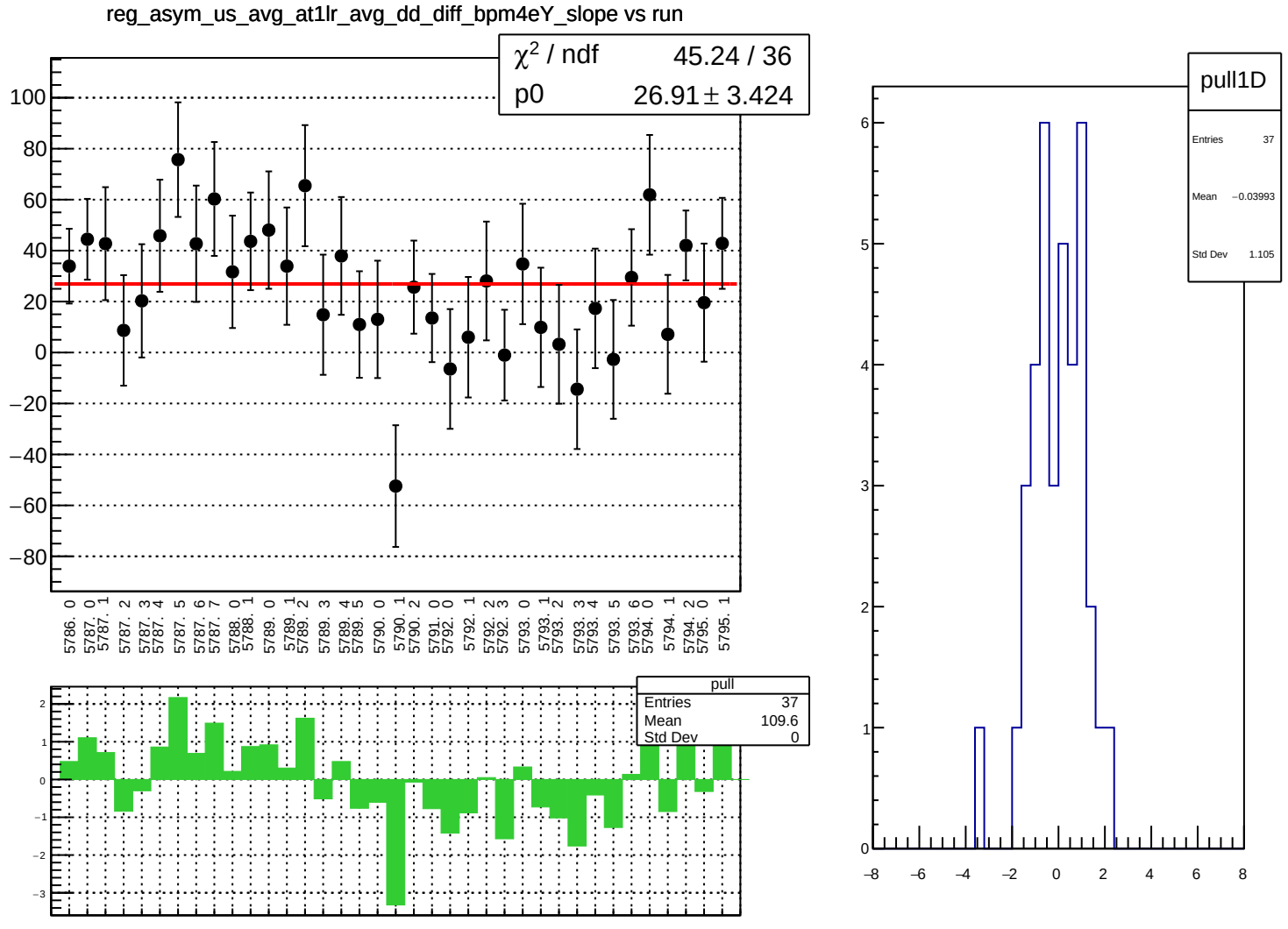

reg_asym_us_avg_at1lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 50.61 / 36
p0 −9.25 ± 5.723
150
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 245.3
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01556
Std Dev 1.169
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

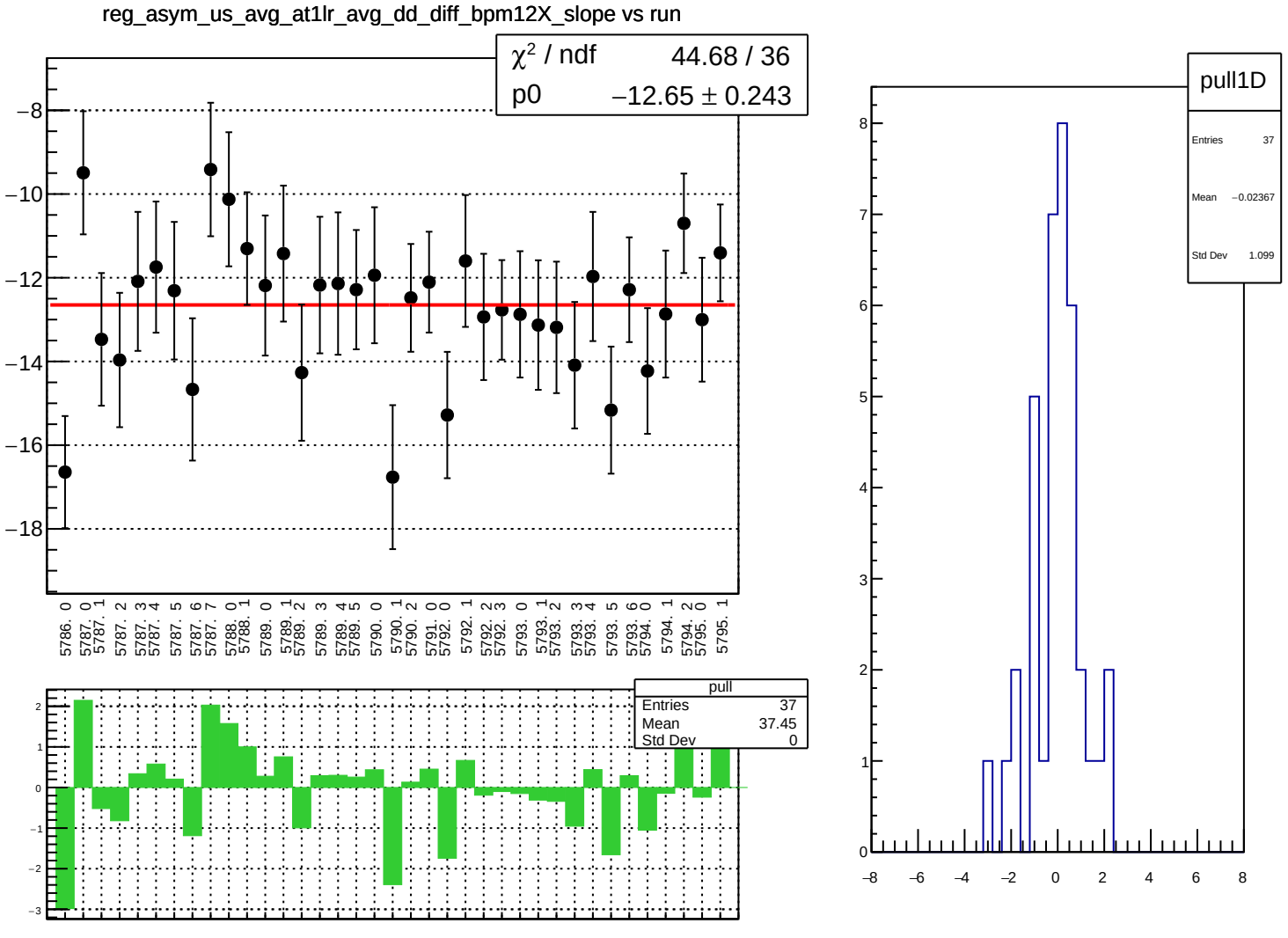

reg_asym_us_avg_at1lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 106.8 / 36
p0 −79.51 ± 0.4049
−70
−75
−80
−85
−90
−95
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −18.82
Std Dev 0
4
2
0
−2
−4
−6
pull1D
Entries 37
Mean −0.01902
Std Dev 1.699
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

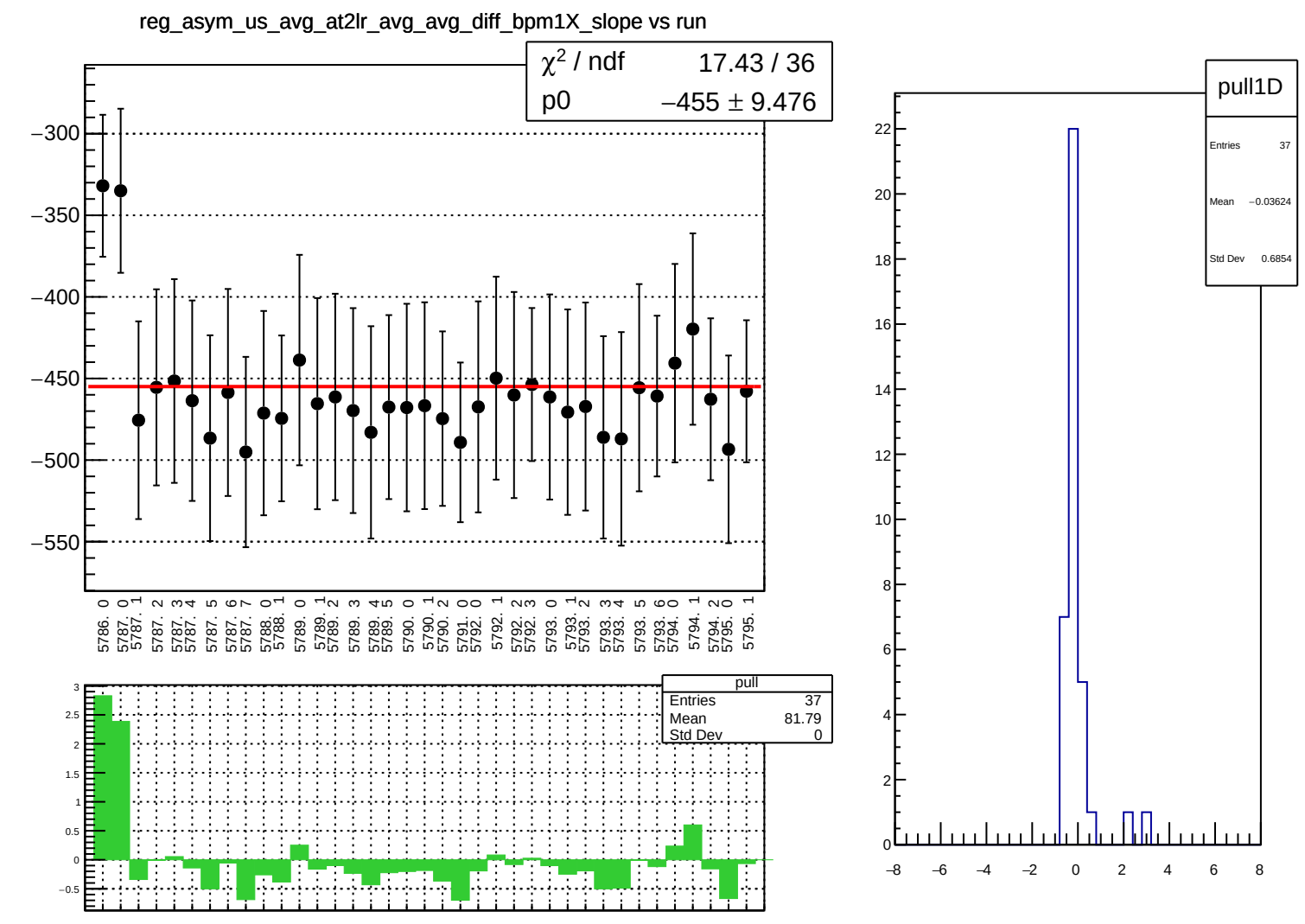

reg_asym_us_avg_at1lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 55.95 / 36
p0 −15.09 ± 2.039
pull
Entries 37
Mean 1300
Std Dev 0
pull1D
Entries 37
Mean −0.00281
Std Dev 1.23

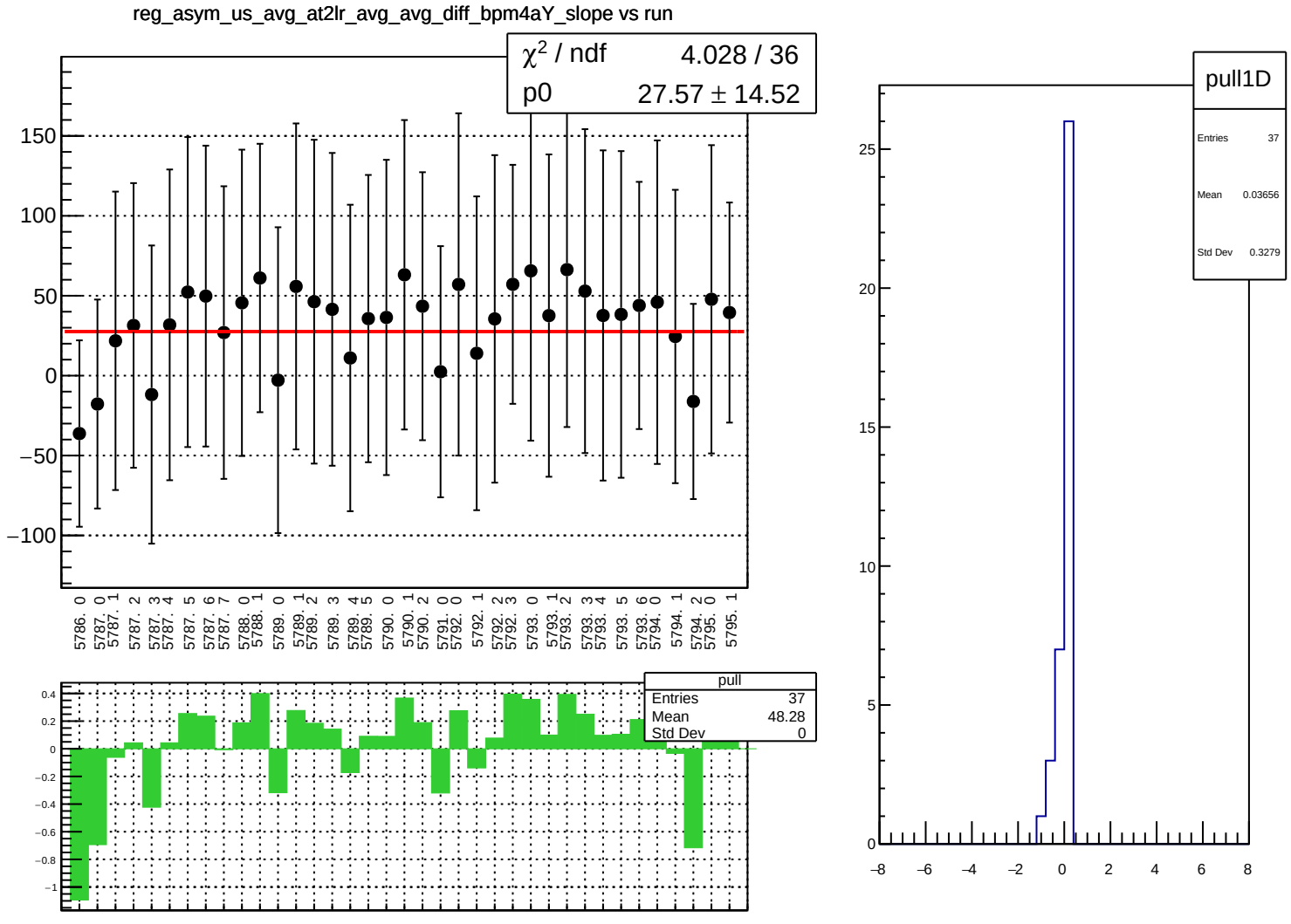

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 46.12 / 36
p0 −0.2942 ± 3.124
pull
Entries 37
Mean 94.77
Std Dev 0
pull1D
Entries 37
Mean 0.04624
Std Dev 1.116

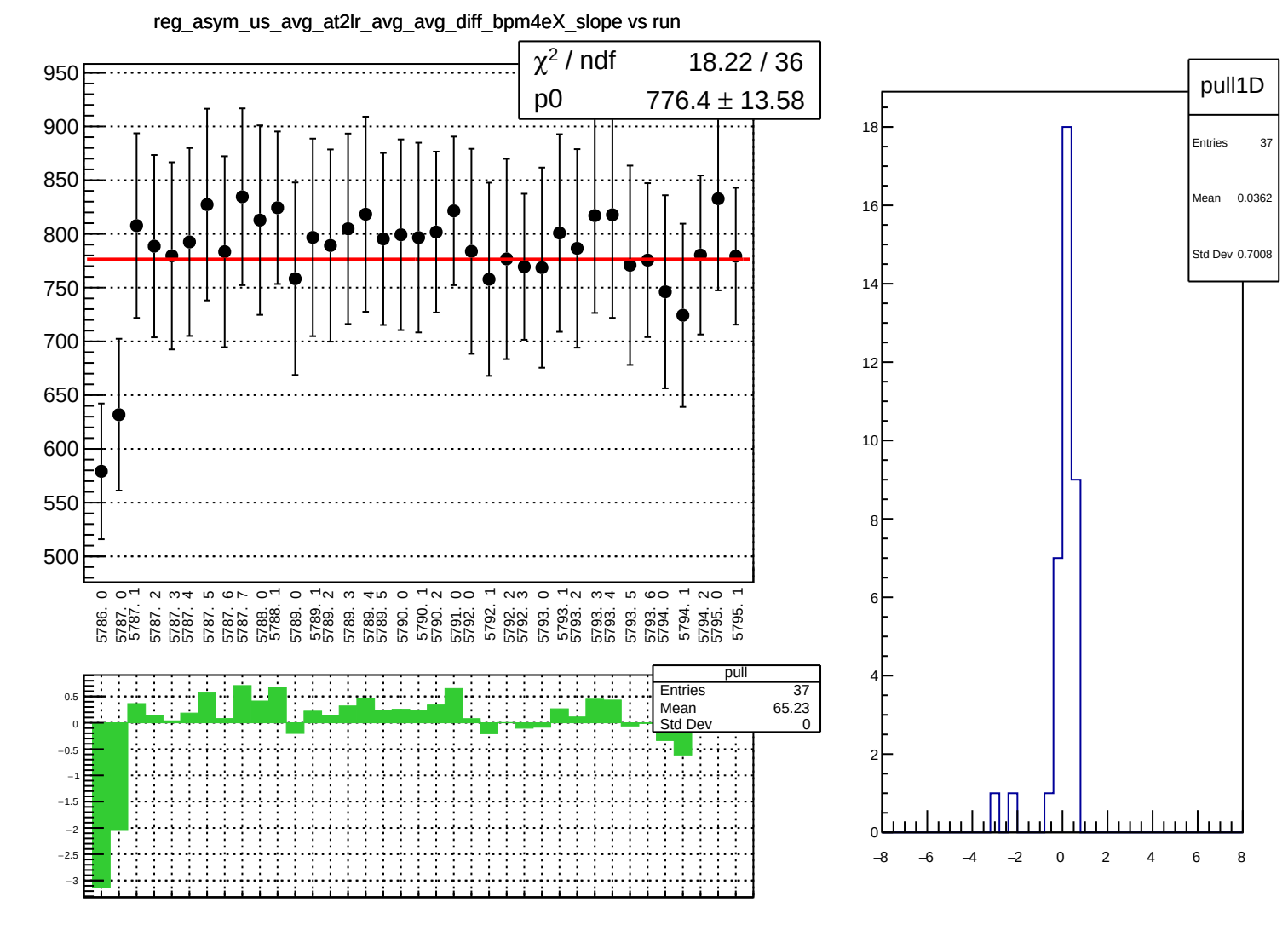

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 61.15 / 36
p0 29.02 ± 2.922
pull
Entries 37
Mean 474.2
Std Dev 0
pull1D
Entries 37
Mean 0.009103
Std Dev 1.286

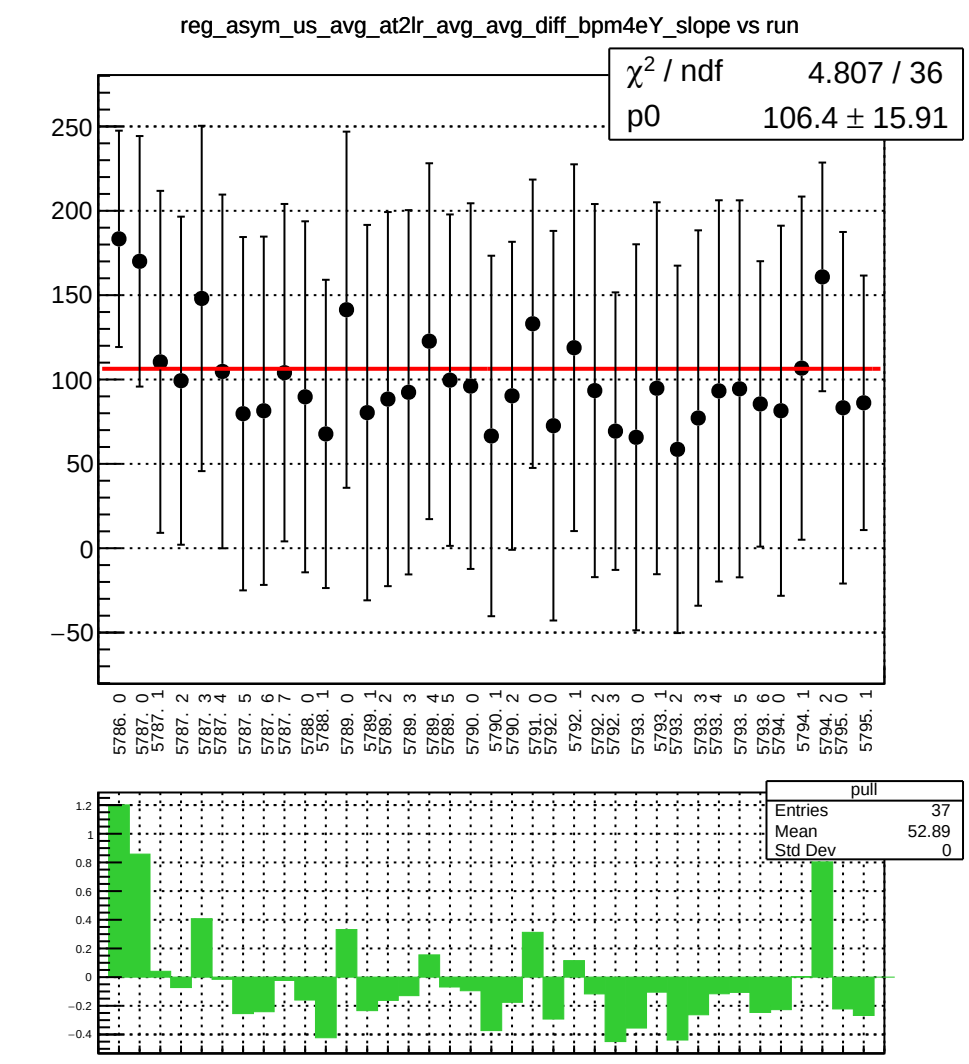

reg_asym_us_avg_at1lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 45.24 / 36
p0 26.91 ± 3.424
100
80
60
40
20
0
−20
−40
−60
−80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 109.6
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.03993
Std Dev 1.105
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

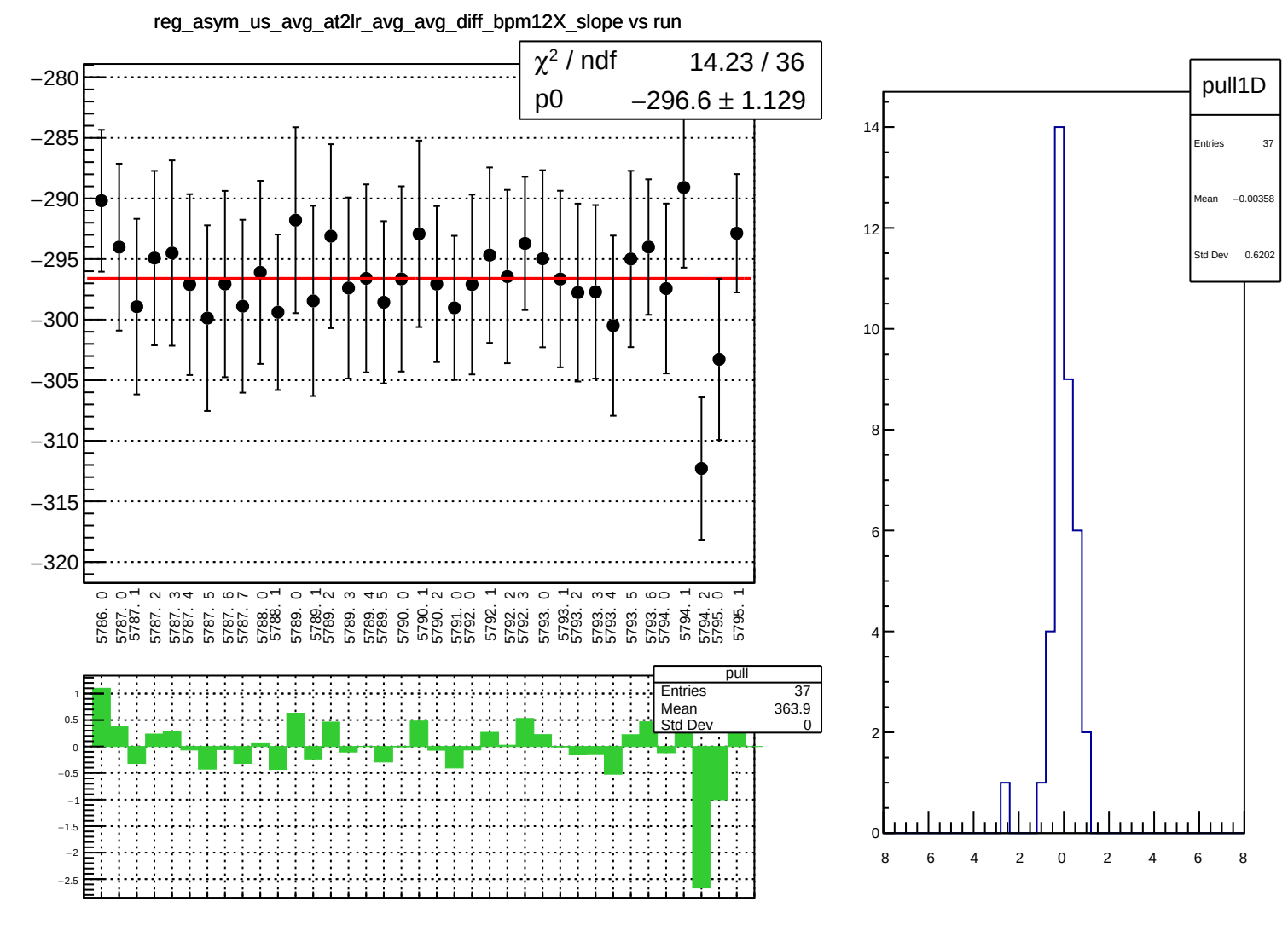

reg_asym_us_avg_at1lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 44.68 / 36
p0 −12.65 ± 0.243
−8
−10
−12
−14
−16
−18
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 37.45
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.02367
Std Dev 1.099
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

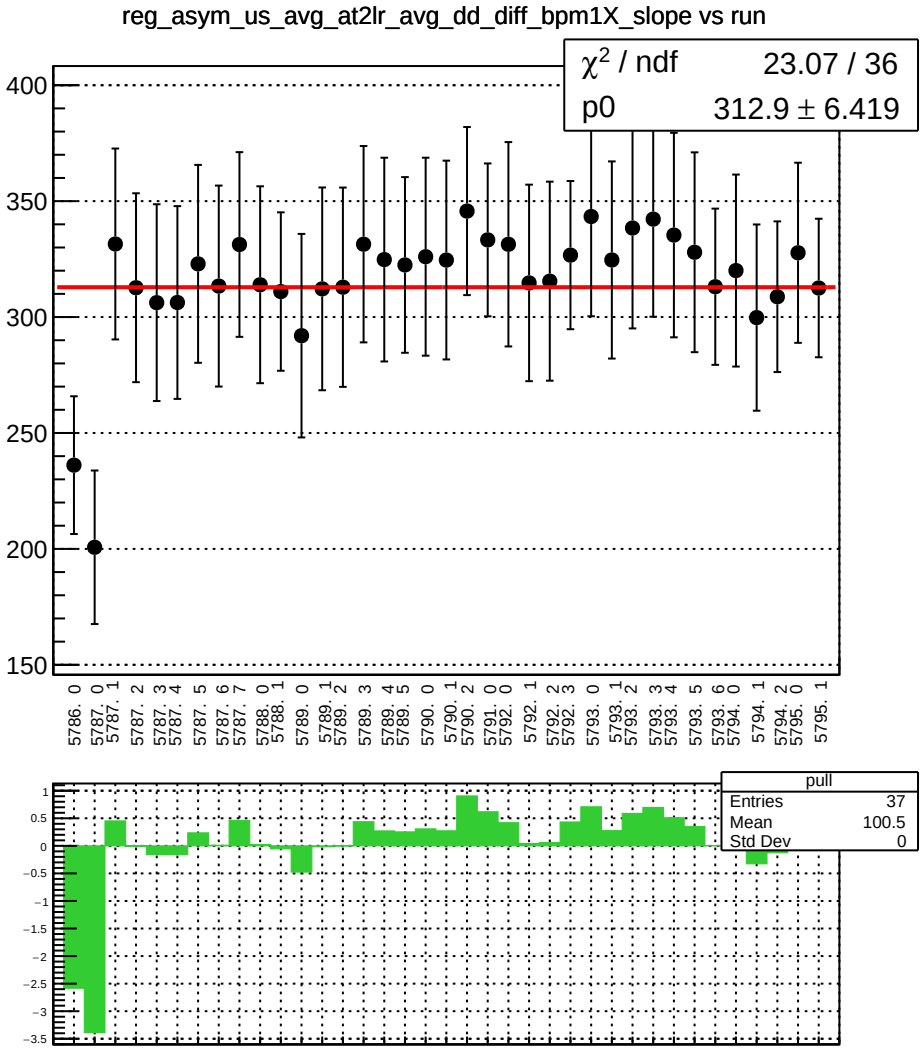

reg_asym_us_avg_at2lr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 17.43 / 36
p0 −455 ± 9.476
−300
−350
−400
−450
−500
−550
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 81.79
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
pull1D
Entries 37
Mean −0.03624
Std Dev 0.6854
22
20
18
16
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

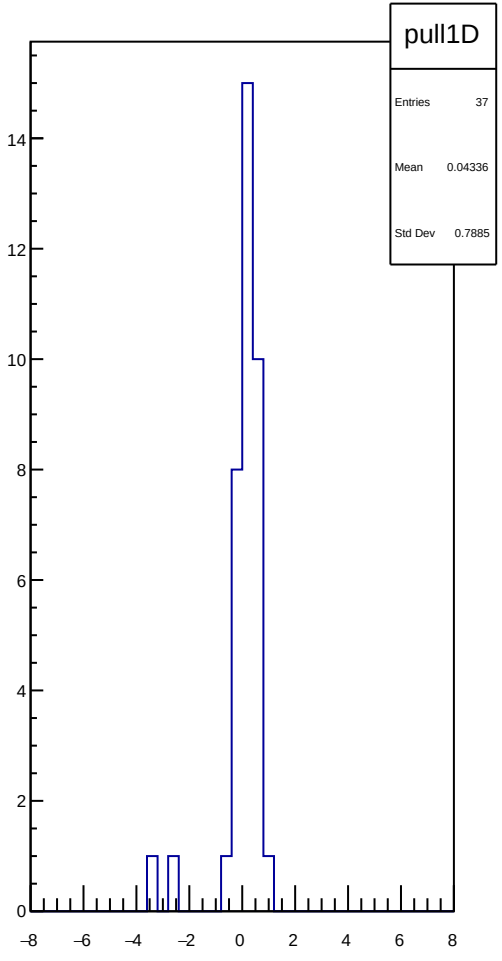

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 4.028 / 36
p0 27.57 ± 14.52
150
100
50
0
−50
−100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.28
Std Dev 0
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.03656
Std Dev 0.3279
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

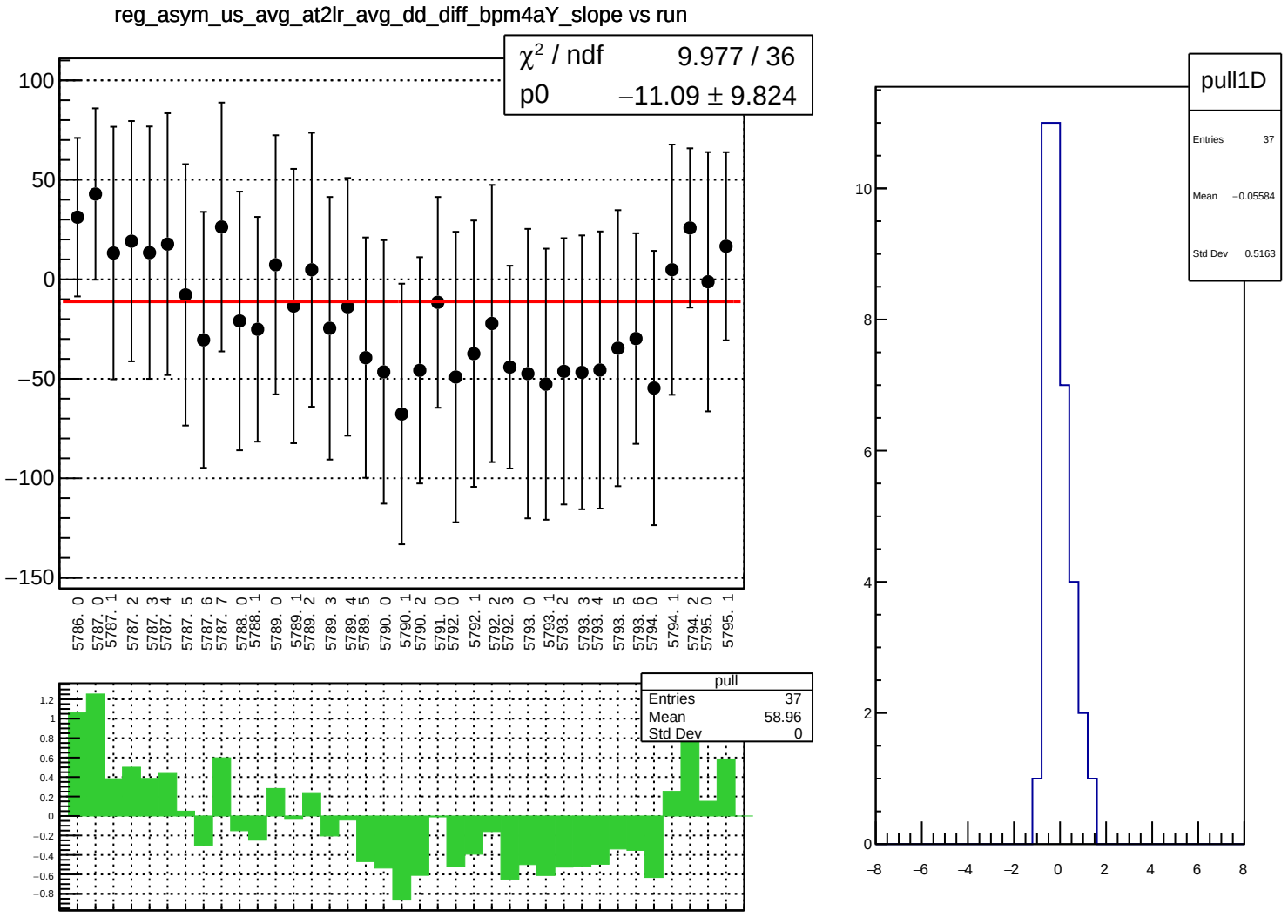

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 18.22 / 36
p0 776.4 ± 13.58
pull
Entries 37
Mean 65.23
Std Dev 0
pull1D
Entries 37
Mean 0.0362
Std Dev 0.7008

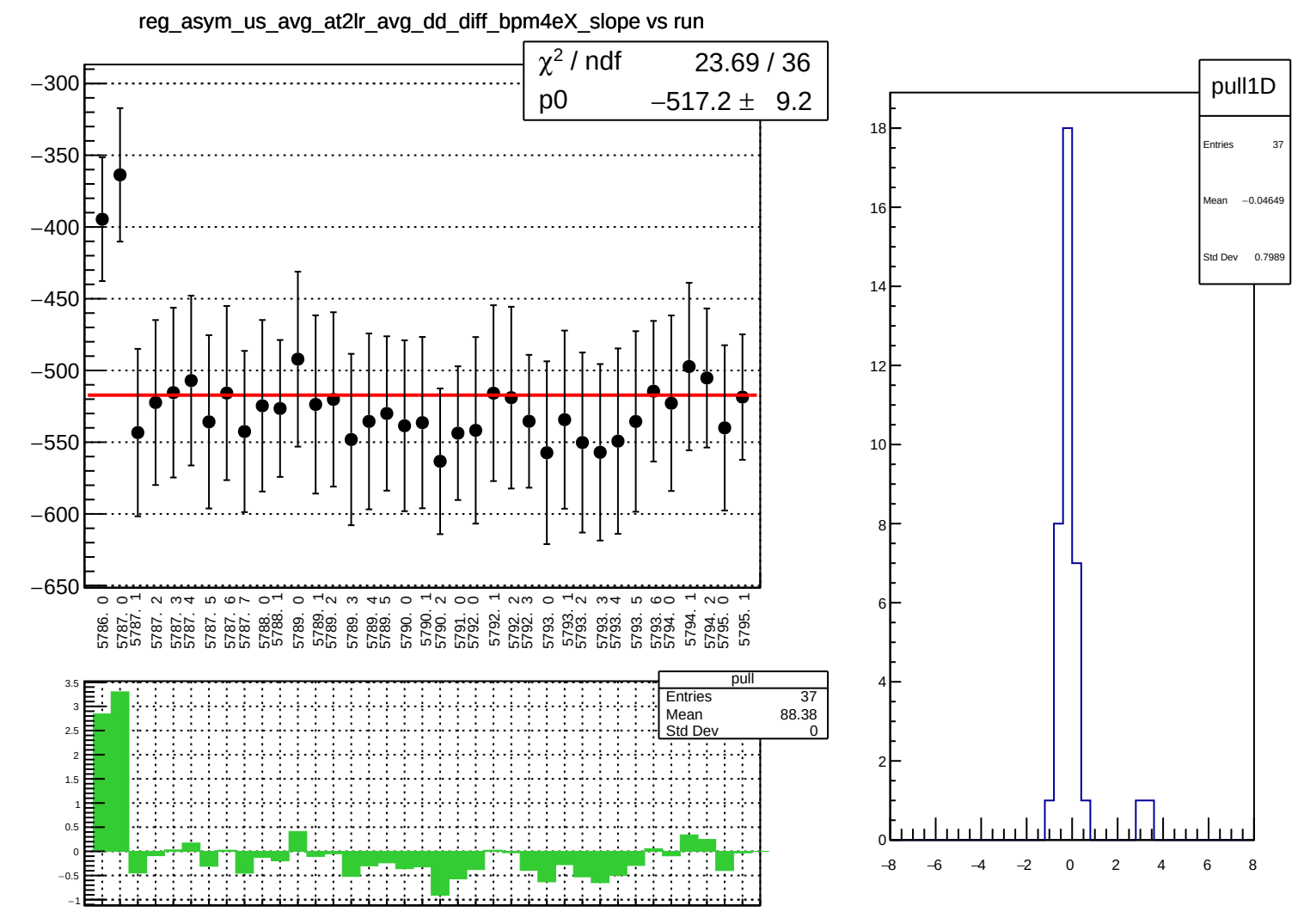

reg_asym_us_avg_at2lr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 4.807 / 36
p0 106.4 ± 15.91
250
200
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 52.89
Std Dev 0
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
pull1D
Entries 37
Mean −0.03779
Std Dev 0.3585
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

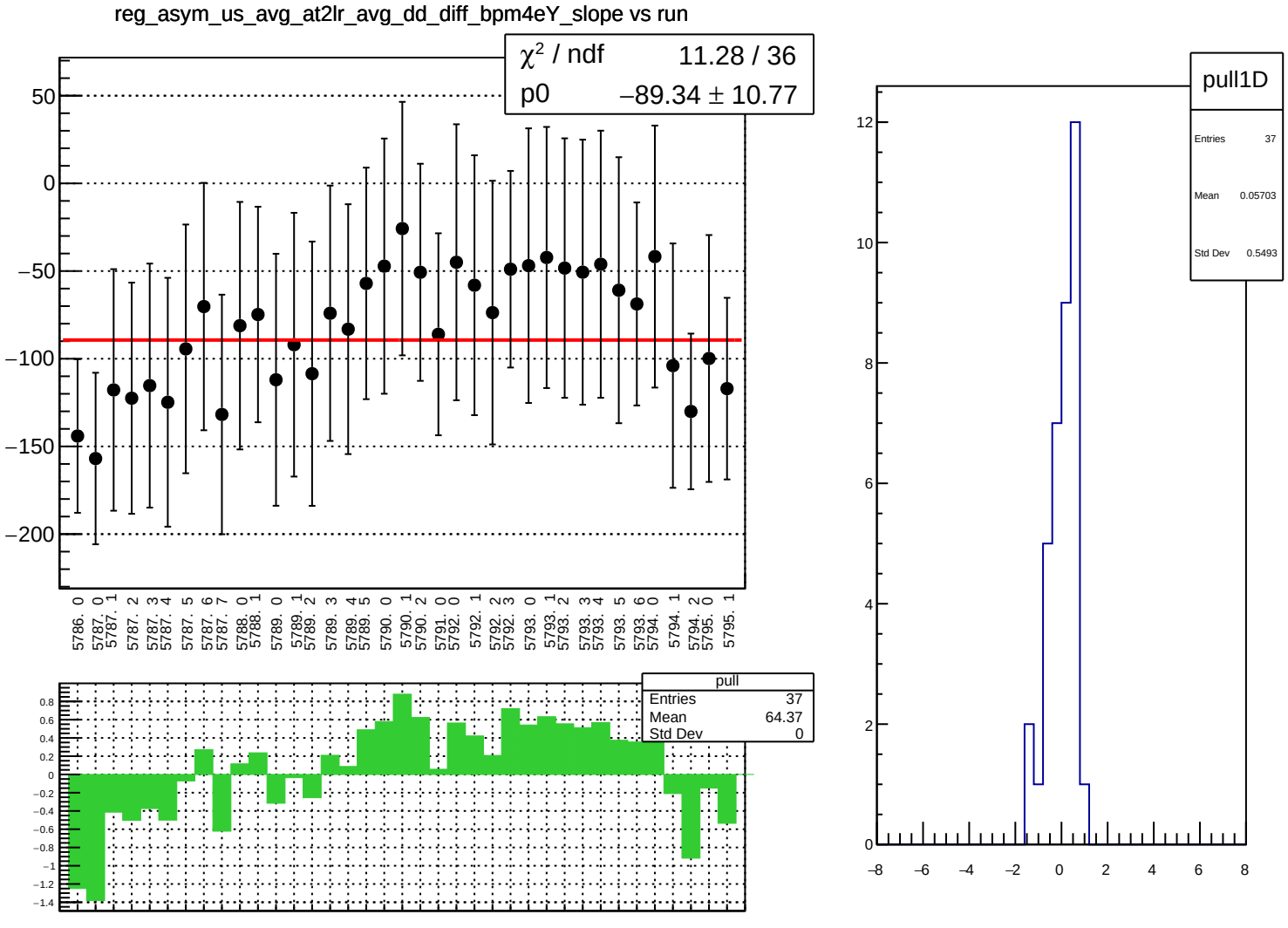

reg_asym_us_avg_at2lr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 14.23 / 36
p0 −296.6 ± 1.129
pull
Entries 37
Mean 363.9
Std Dev 0
pull1D
Entries 37
Mean −0.00358
Std Dev 0.6202

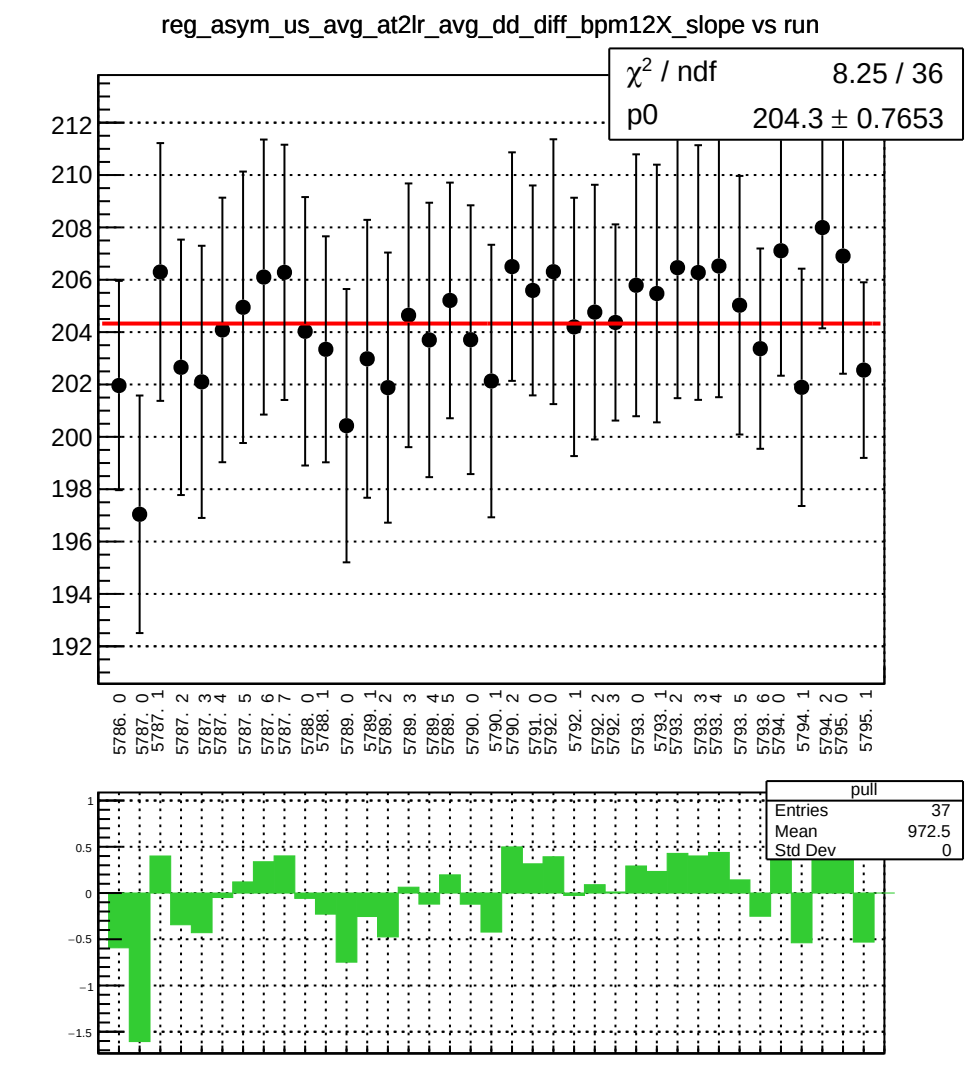

reg_asym_us_avg_at2lr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 23.07 / 36
p0 312.9 ± 6.419
pull
Entries 37
Mean 100.5
Std Dev 0

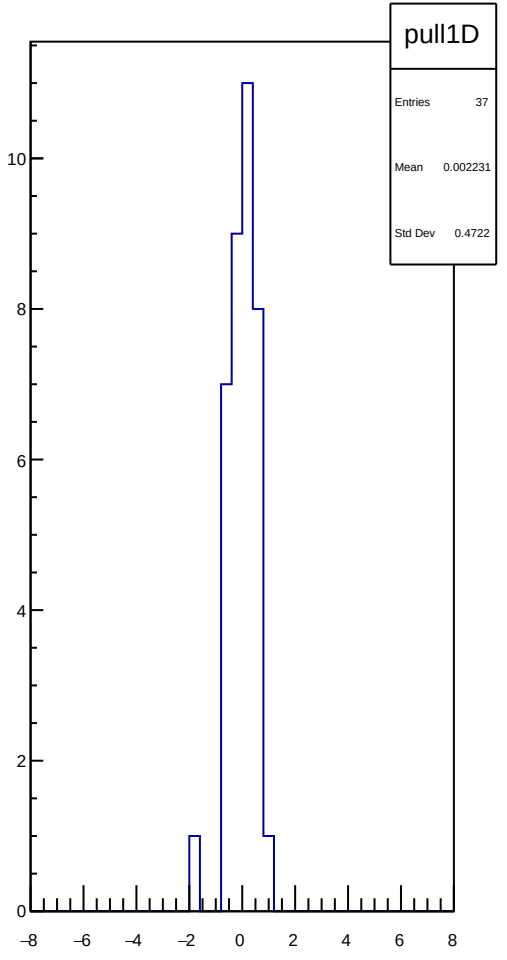

pull1D
Entries 37
Mean 0.04336
Std Dev 0.7885

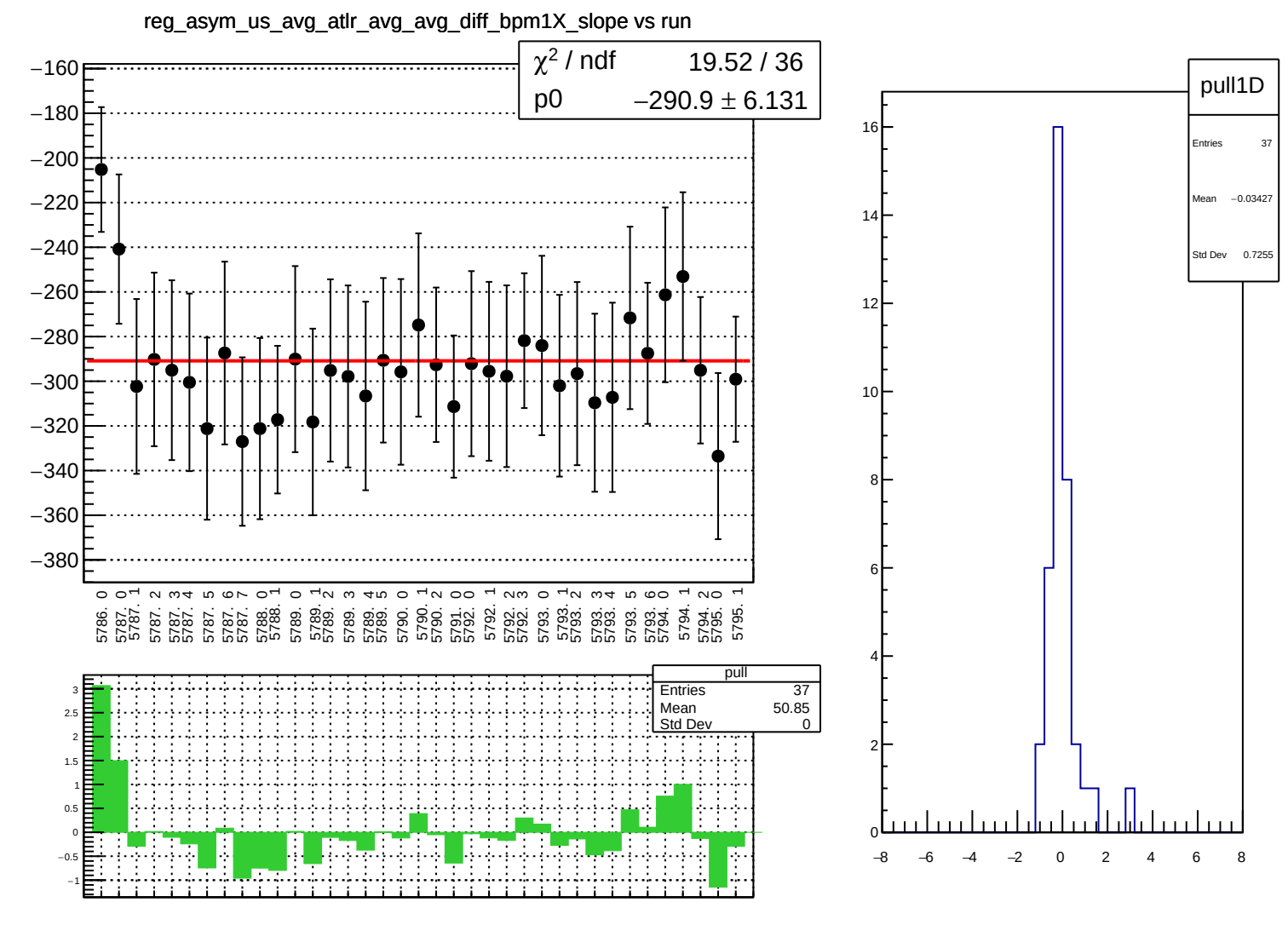

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 9.977 / 36
p0 −11.09 ± 9.824
100
50
0
−50
−100
−150
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 58.96
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 37
Mean −0.05584
Std Dev 0.5163
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

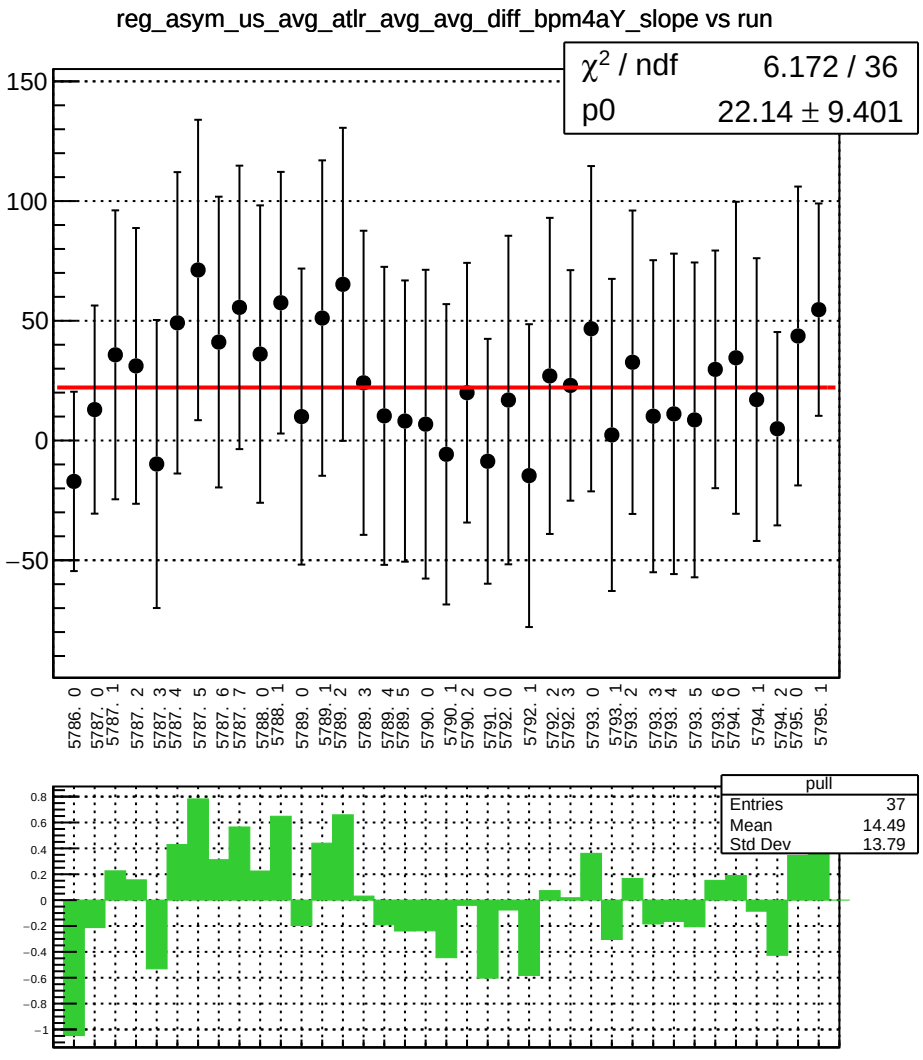

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.69 / 36
p0 −517.2 ± 9.2
pull
Entries 37
Mean 88.38
Std Dev 0
pull1D
Entries 37
Mean −0.04649
Std Dev 0.7989

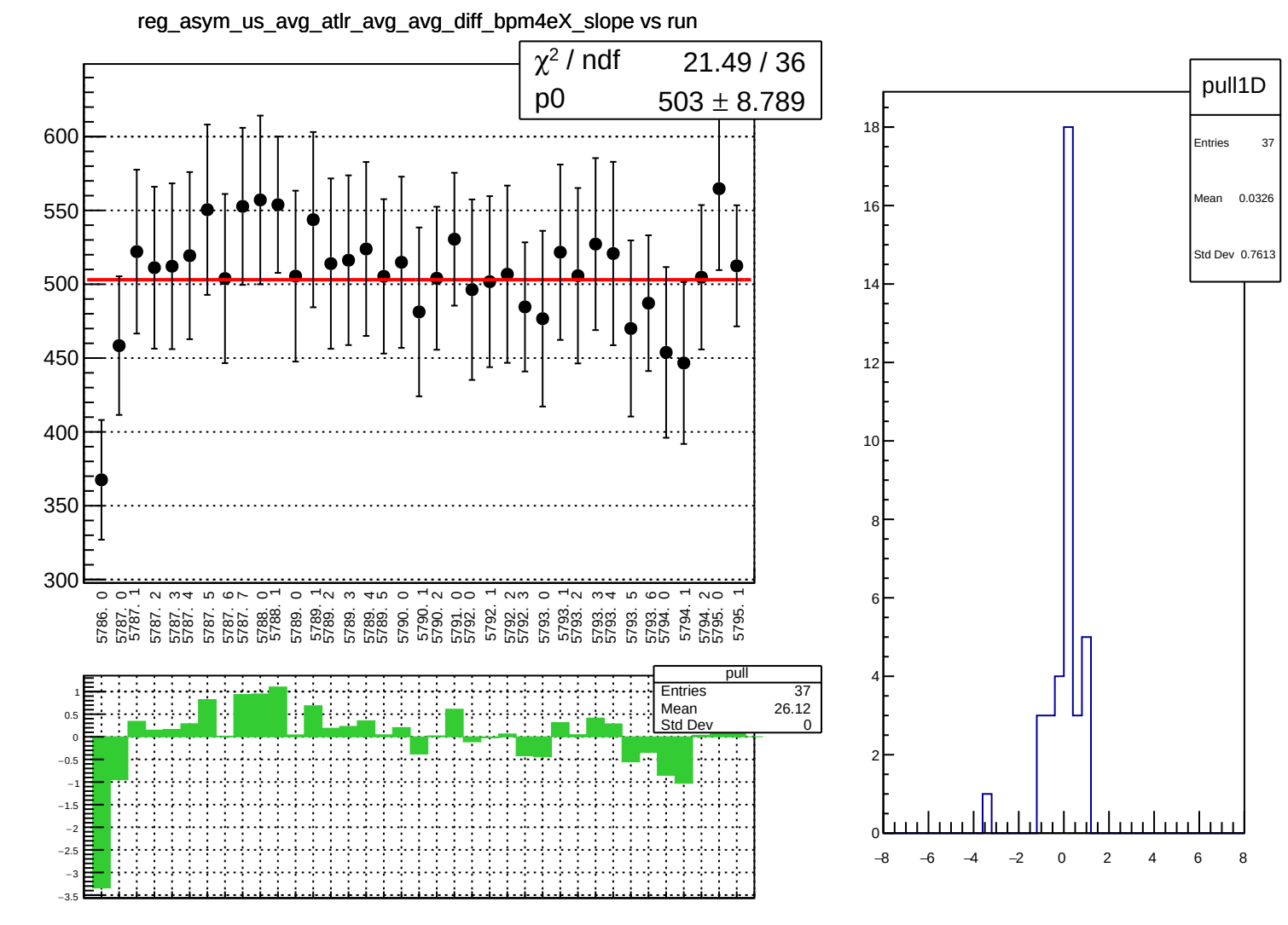

reg_asym_us_avg_at2lr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 11.28 / 36
p0 −89.34 ± 10.77
50
0
−50
−100
−150
−200
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 64.37
Std Dev 0
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
−1.2
−1.4
pull1D
Entries 37
Mean 0.05703
Std Dev 0.5493
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

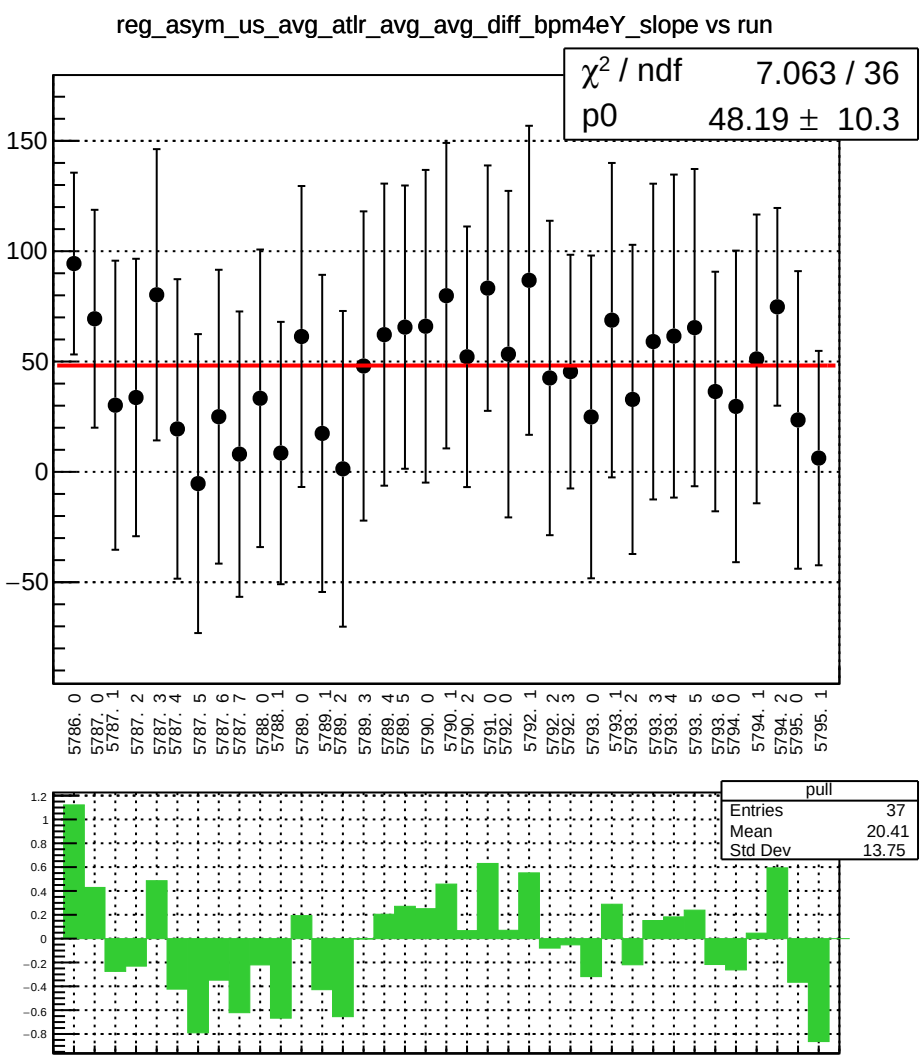

reg_asym_us_avg_at2lr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 8.25 / 36
p0 204.3 ± 0.7653
212
210
208
206
204
202
200
198
196
194
192
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 972.5
Std Dev 0
1
0.5
0
−0.5
−1
−1.5

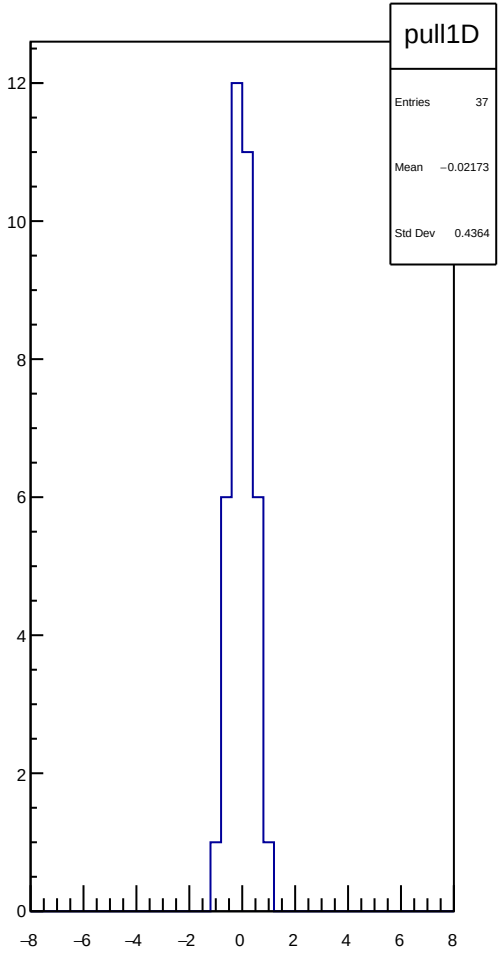

pull1D
Entries 37
Mean 0.002231
Std Dev 0.4722
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

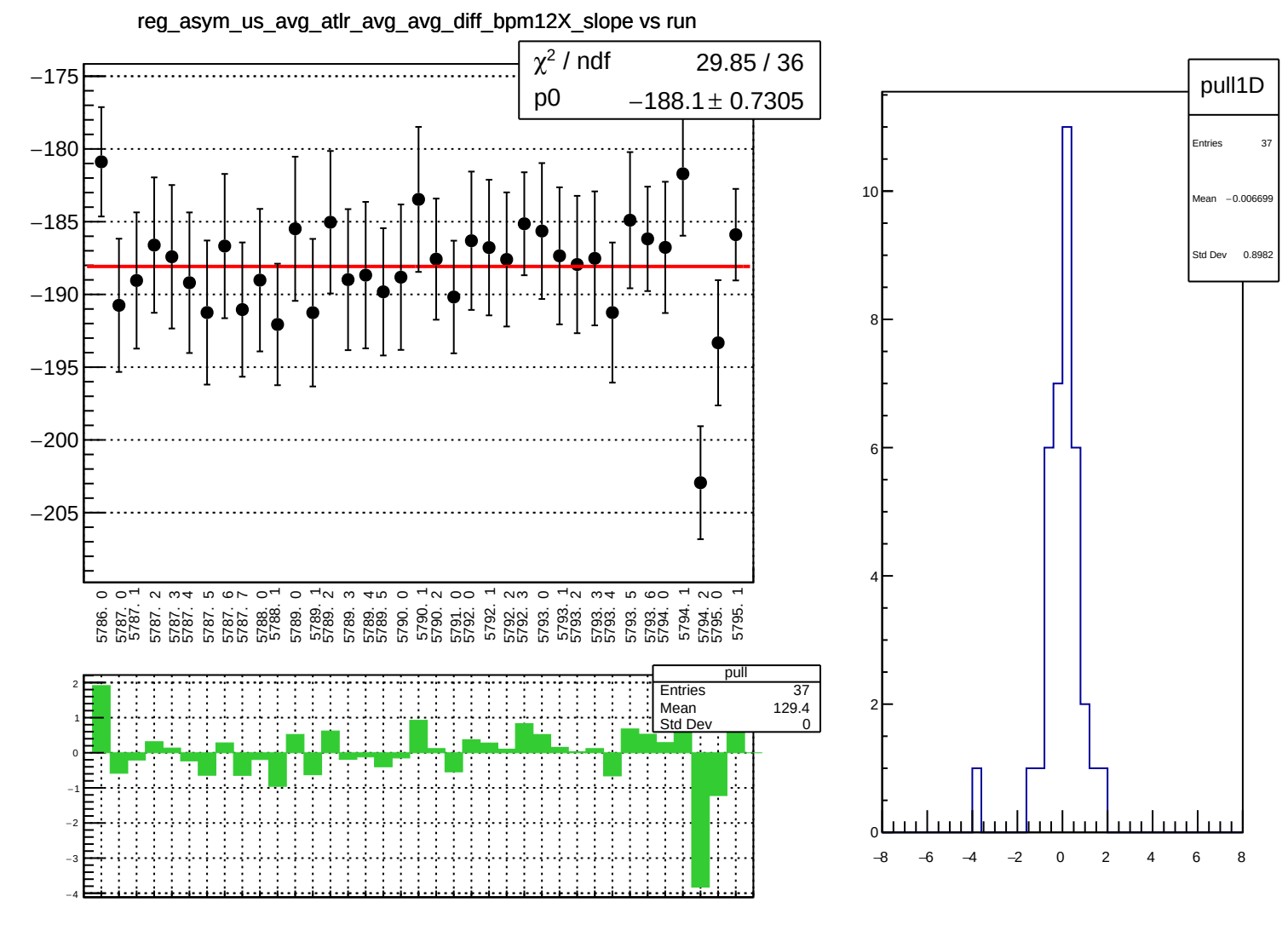

reg_asym_us_avg_atlr_avg_avg_diff_bpm1X_slope vs run
χ² / ndf 19.52 / 36
p0 −290.9 ± 6.131
pull
Entries 37
Mean 50.85
Std Dev 0
pull1D
Entries 37
Mean −0.03427
Std Dev 0.7255

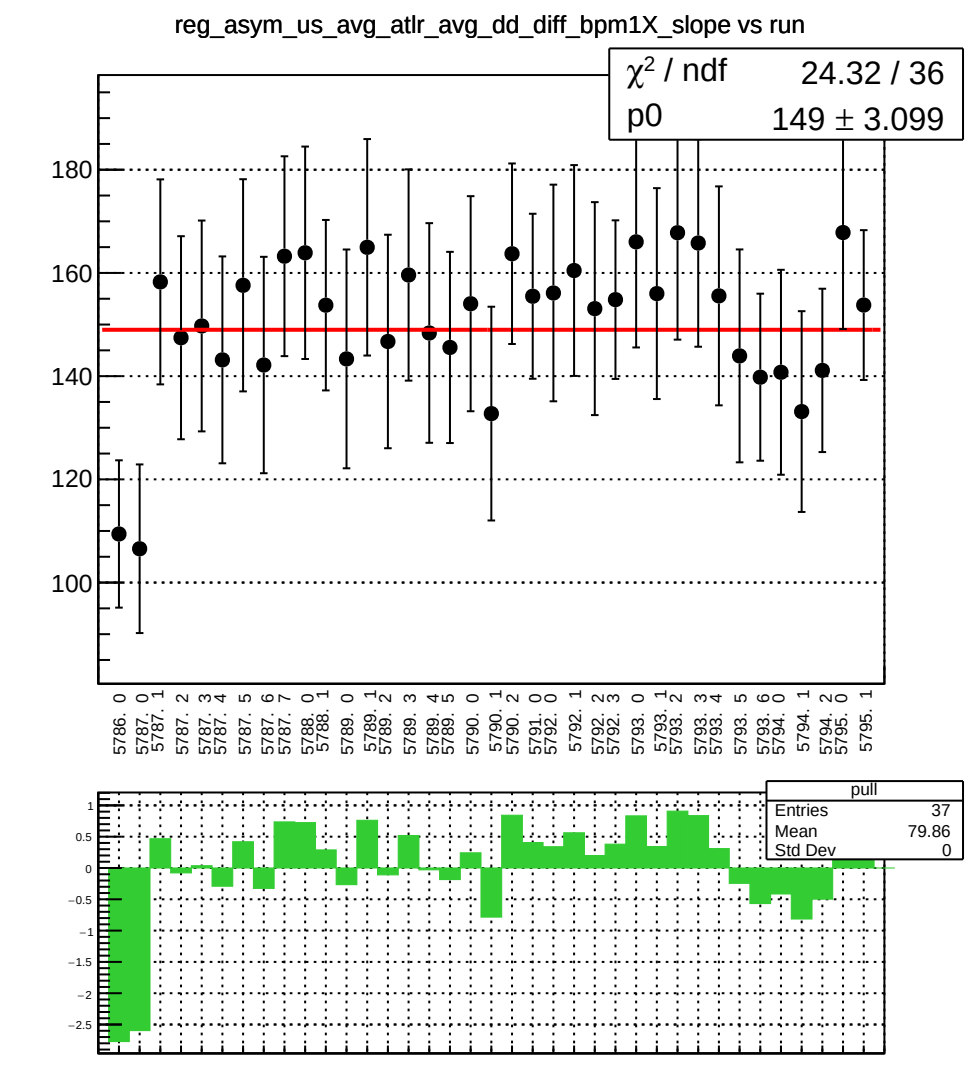

reg_asym_us_avg_atlr_avg_avg_diff_bpm4aY_slope vs run
χ² / ndf 6.172 / 36
p0 22.14 ± 9.401
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 14.49
Std Dev 13.79
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8
−1
pull1D
Entries 37
Mean 0.02014
Std Dev 0.4079
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

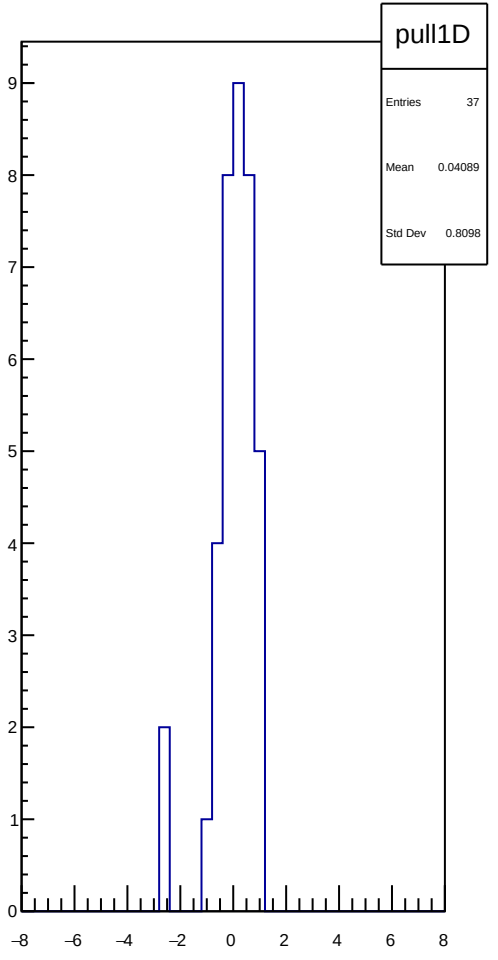

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eX_slope vs run
χ² / ndf 21.49 / 36
p0 503 ± 8.789
pull
Entries 37
Mean 26.12
Std Dev 0
pull1D
Entries 37
Mean 0.0326
Std Dev 0.7613

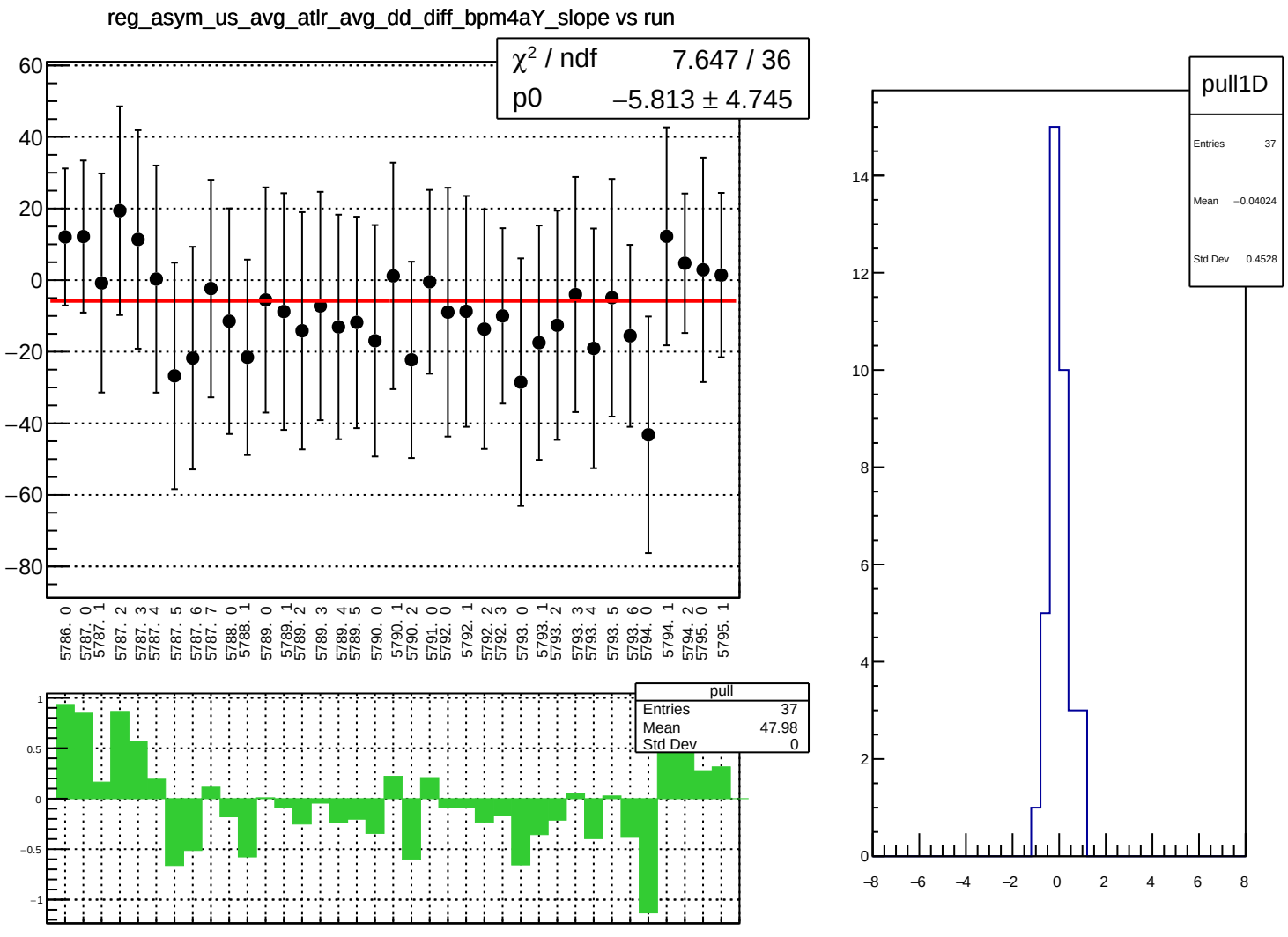

reg_asym_us_avg_atlr_avg_avg_diff_bpm4eY_slope vs run
χ² / ndf 7.063 / 36
p0 48.19 ± 10.3
150
100
50
0
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 20.41
Std Dev 13.75
1.2
1
0.8
0.6
0.4
0.2
0
−0.2
−0.4
−0.6
−0.8

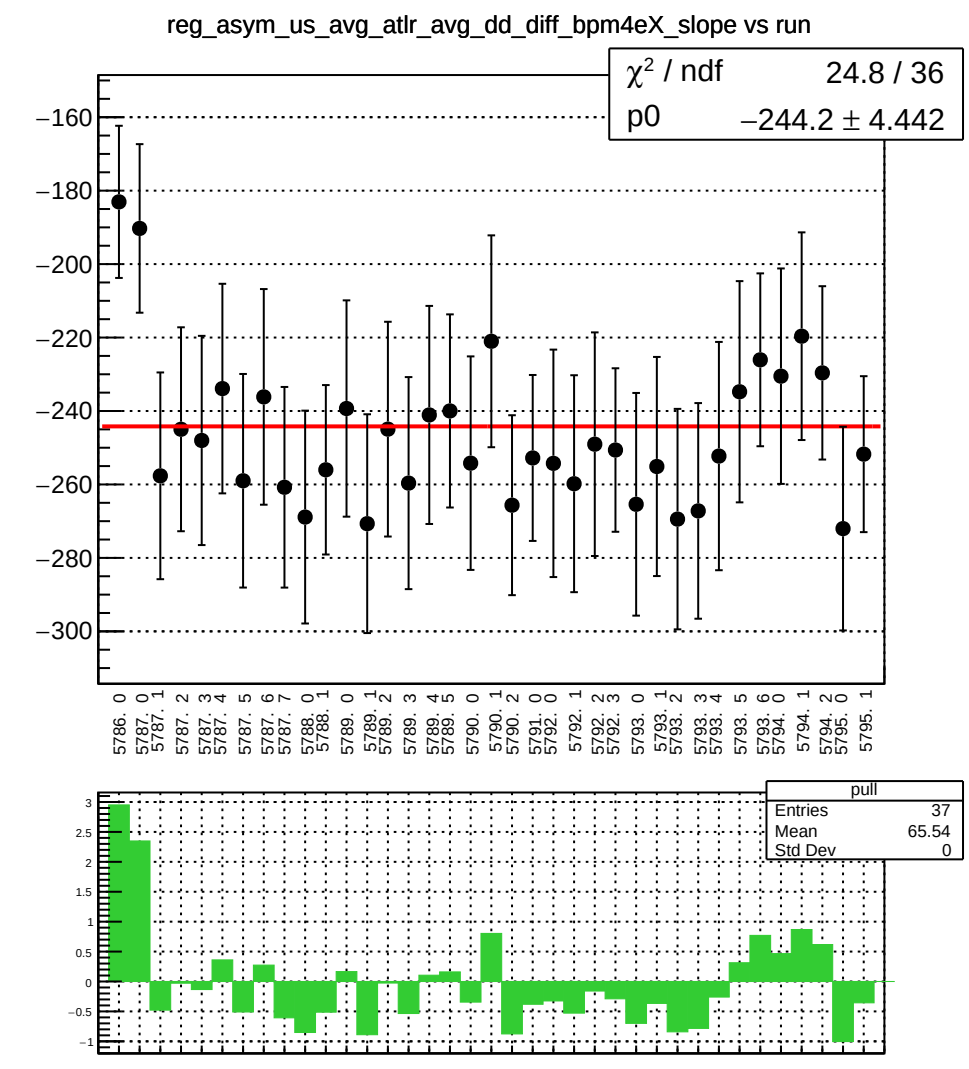

pull1D
Entries 37
Mean −0.02173
Std Dev 0.4364
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

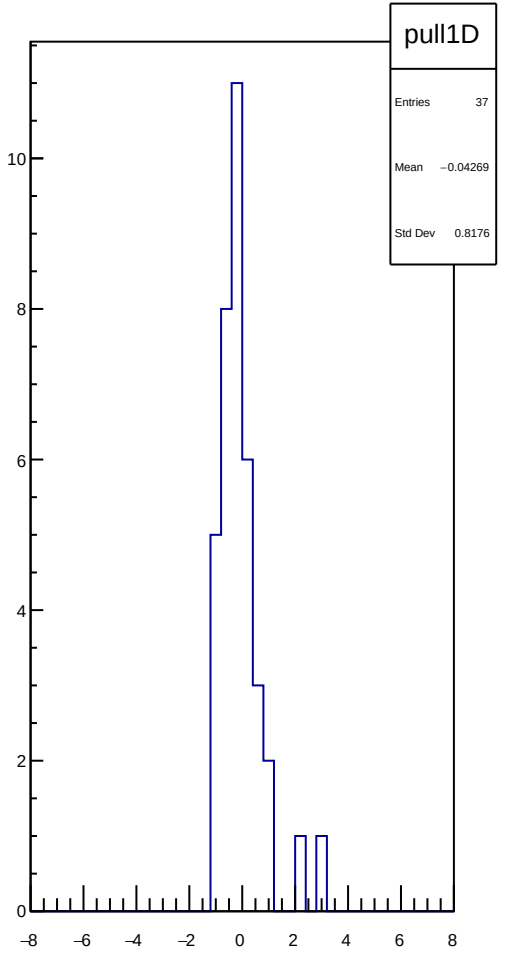

reg_asym_us_avg_atlr_avg_avg_diff_bpm12X_slope vs run
χ² / ndf 29.85 / 36
p0 −188.1 ± 0.7305
−175
−180
−185
−190
−195
−200
−205
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 129.4
Std Dev 0
2
1
0
−1
−2
−3
−4
pull1D
Entries 37
Mean −0.006699
Std Dev 0.8982
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

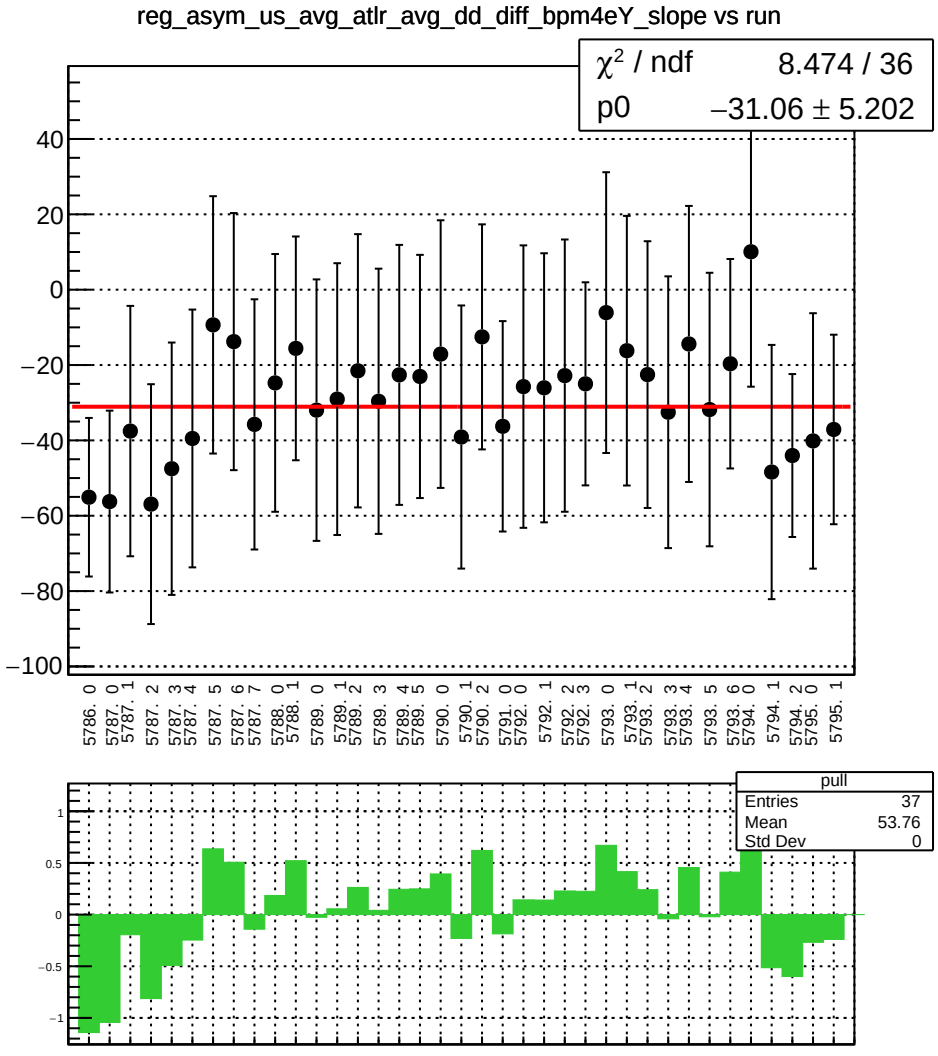

reg_asym_us_avg_atlr_avg_dd_diff_bpm1X_slope vs run
χ² / ndf 24.32 / 36
p0 149 ± 3.099
180
160
140
120
100
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 79.86
Std Dev 0
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

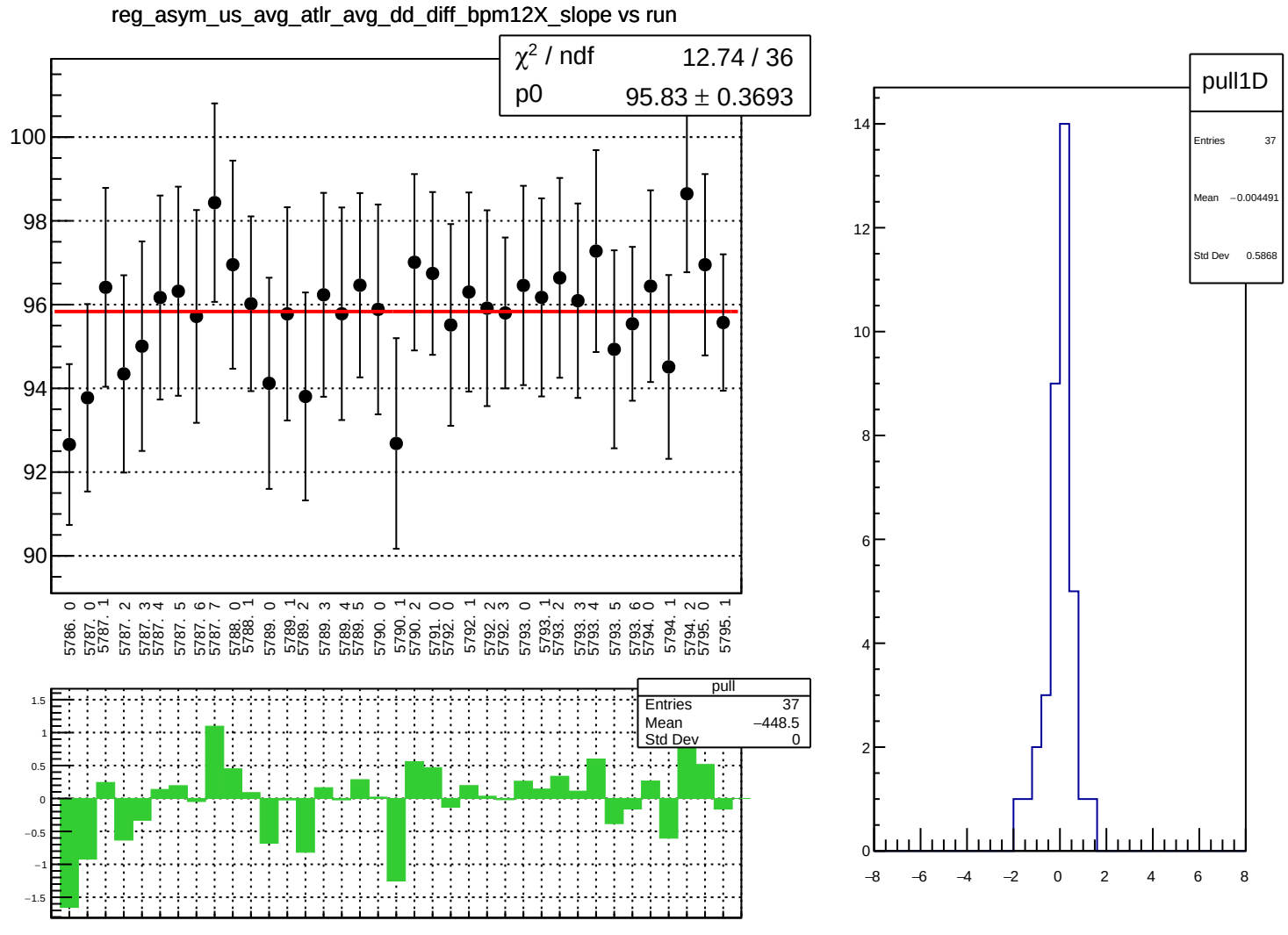

pull1D
Entries 37
Mean 0.04089
Std Dev 0.8098
9
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

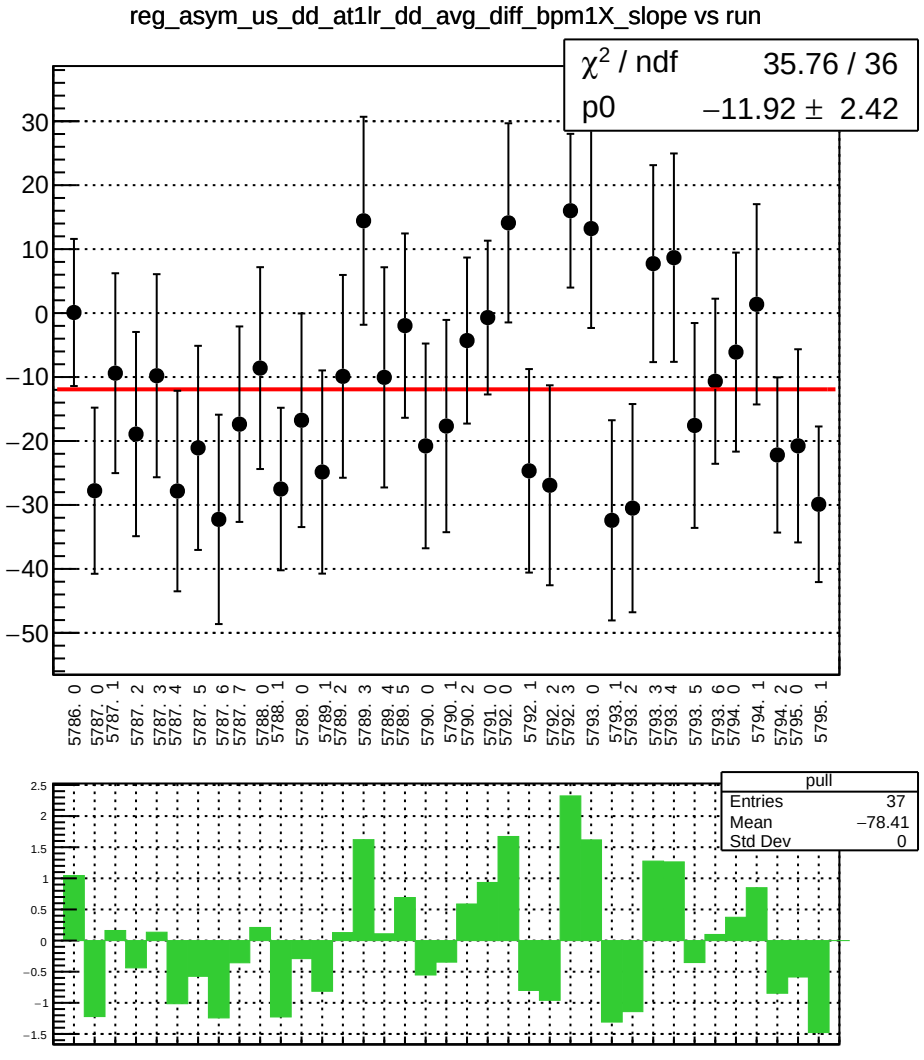

reg_asym_us_avg_atlr_avg_dd_diff_bpm4aY_slope vs run
χ² / ndf 7.647 / 36
p0 −5.813 ± 4.745
pull
Entries 37
Mean 47.98
Std Dev 0
pull1D
Entries 37
Mean −0.04024
Std Dev 0.4528

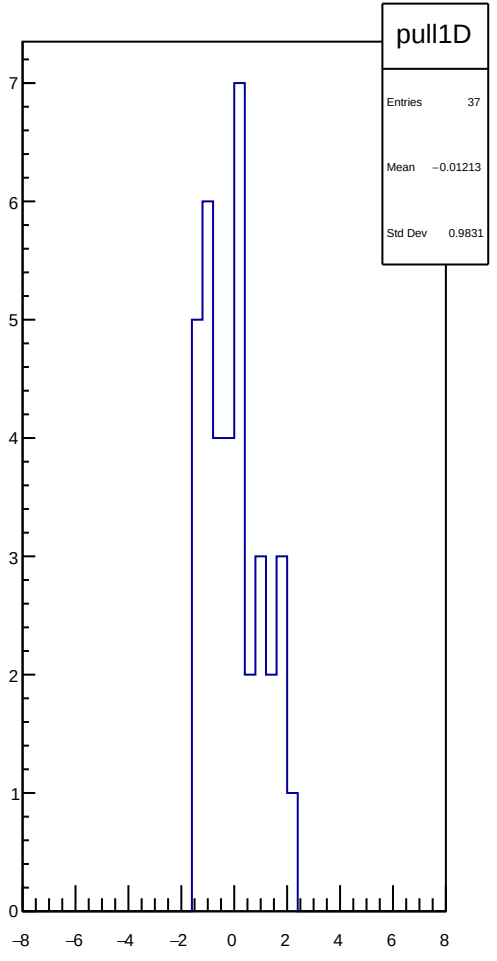

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eX_slope vs run
χ² / ndf 24.8 / 36
p0 −244.2 ± 4.442
−160
−180
−200
−220
−240
−260
−280
−300
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 65.54
Std Dev 0
3
2.5
2
1.5
1
0.5
0
−0.5
−1

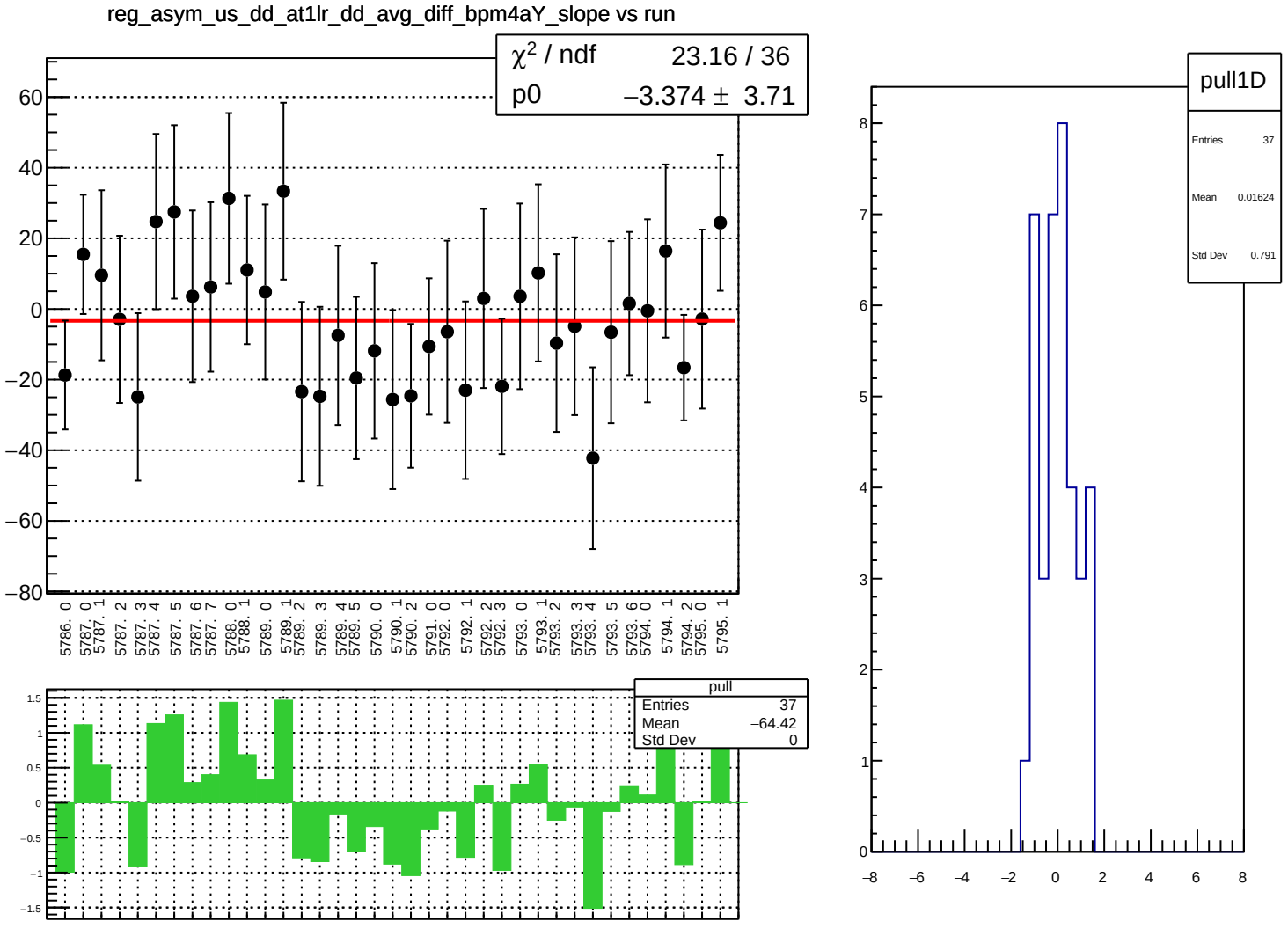

pull1D
Entries 37
Mean −0.04269
Std Dev 0.8176
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

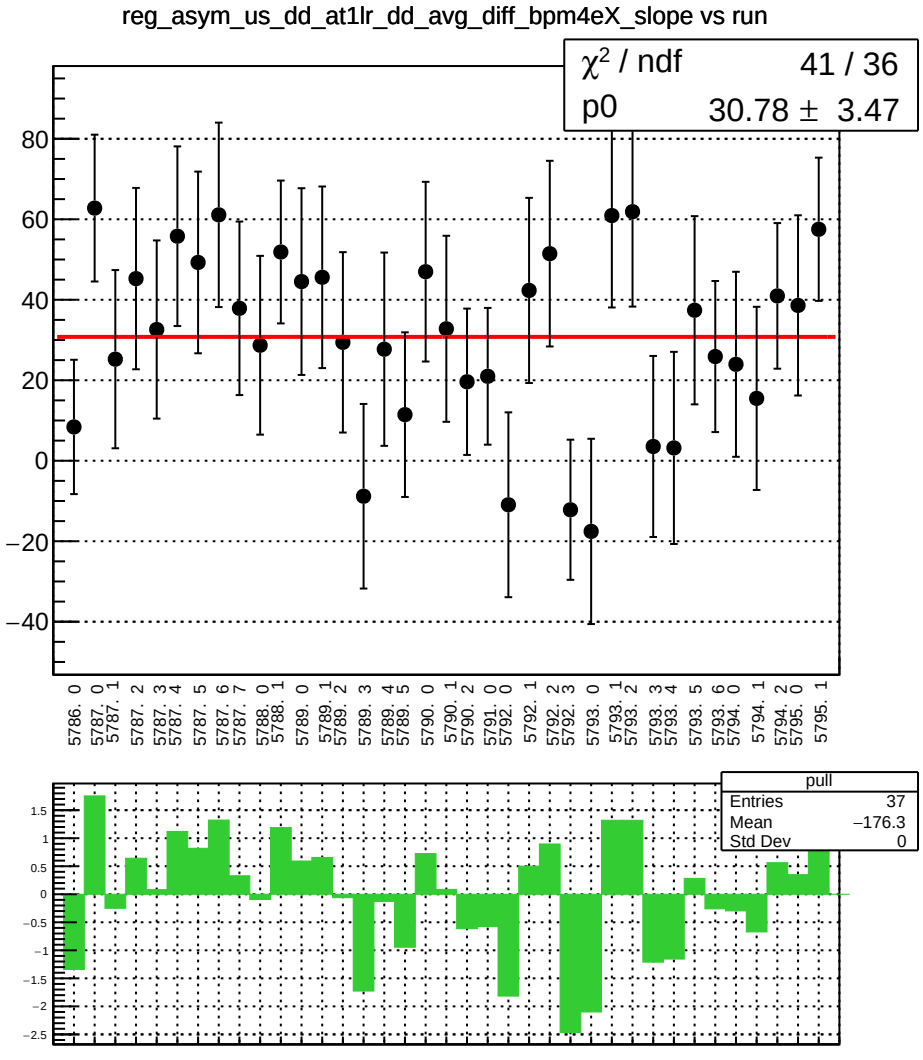

reg_asym_us_avg_atlr_avg_dd_diff_bpm4eY_slope vs run
χ² / ndf 8.474 / 36
p0 −31.06 ± 5.202
pull
Entries 37
Mean 53.76
Std Dev 0
pull1D
Entries 37
Mean 0.04315
Std Dev 0.4766

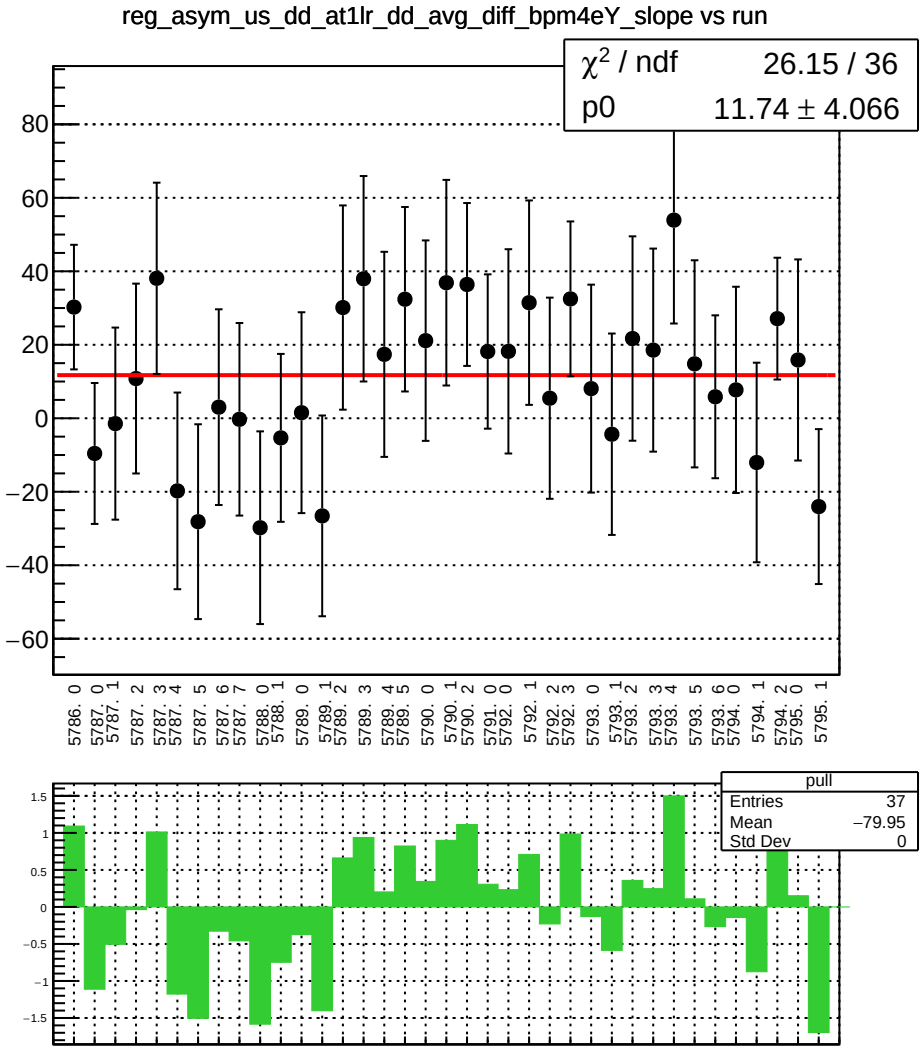

reg_asym_us_avg_atlr_avg_dd_diff_bpm12X_slope vs run
χ² / ndf 12.74 / 36
p0 95.83 ± 0.3693
100
98
96
94
92
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −448.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
pull1D
Entries 37
Mean −0.004491
Std Dev 0.5868
14
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

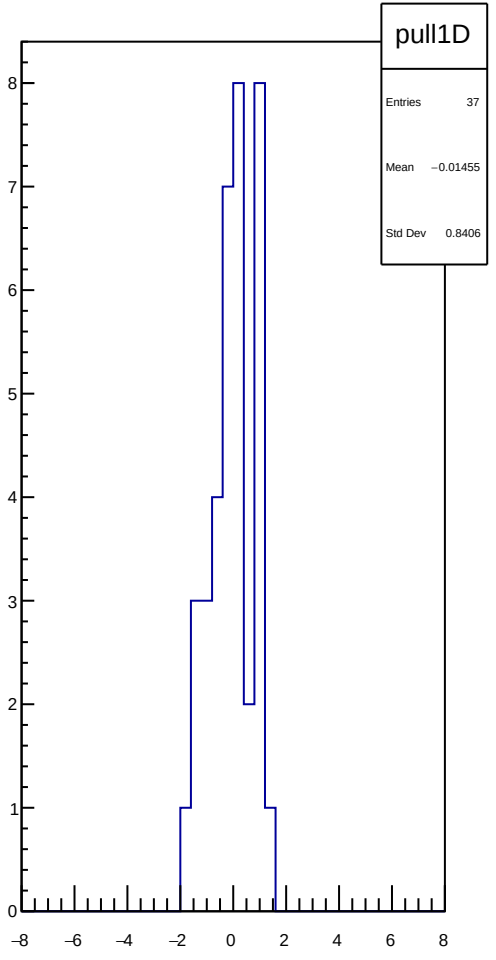

reg_asym_us_dd_at1lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 35.76 / 36
p0 −11.92 ± 2.42
pull
Entries 37
Mean −78.41
Std Dev 0

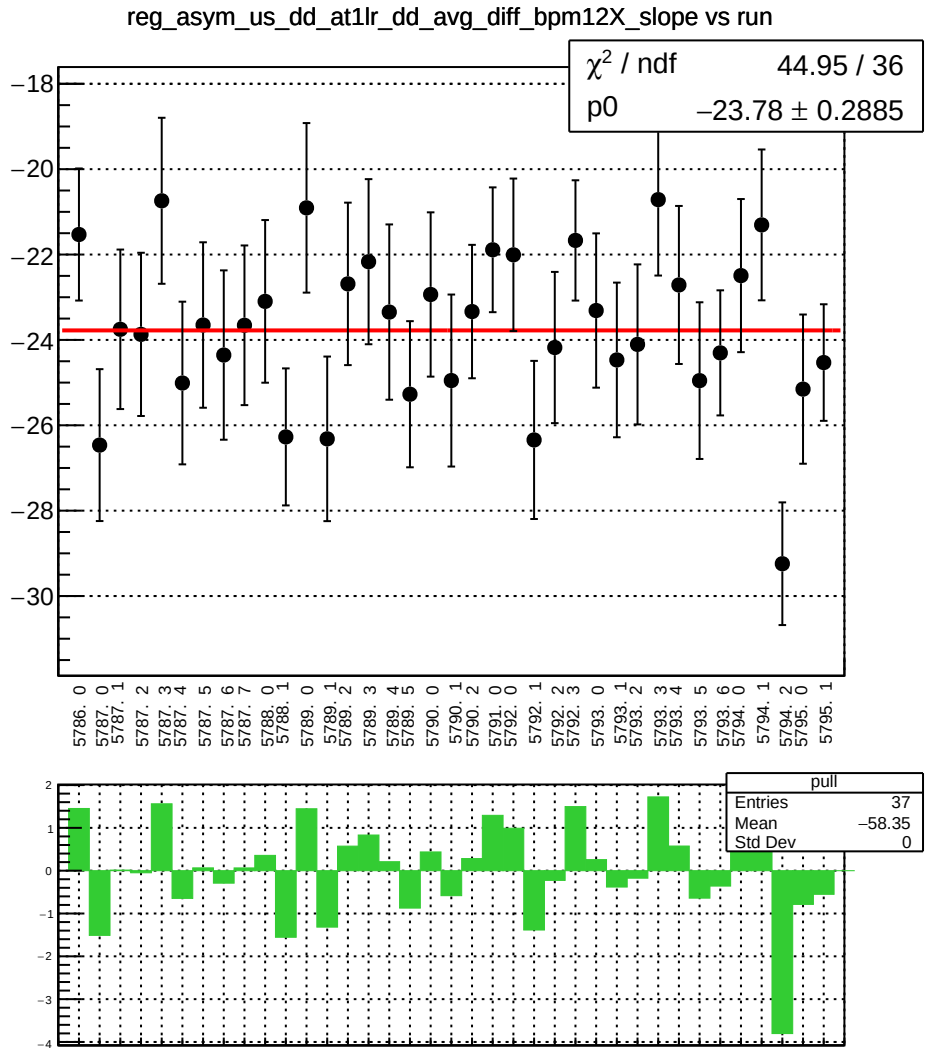

pull1D
Entries 37
Mean −0.01213
Std Dev 0.9831

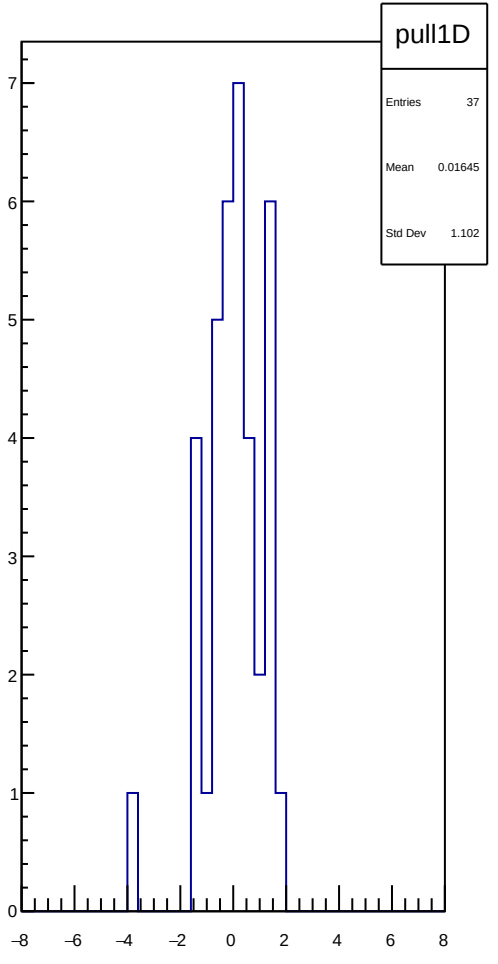

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 23.16 / 36
p0 −3.374 ± 3.71
pull
Entries 37
Mean −64.42
Std Dev 0
pull1D
Entries 37
Mean 0.01624
Std Dev 0.791

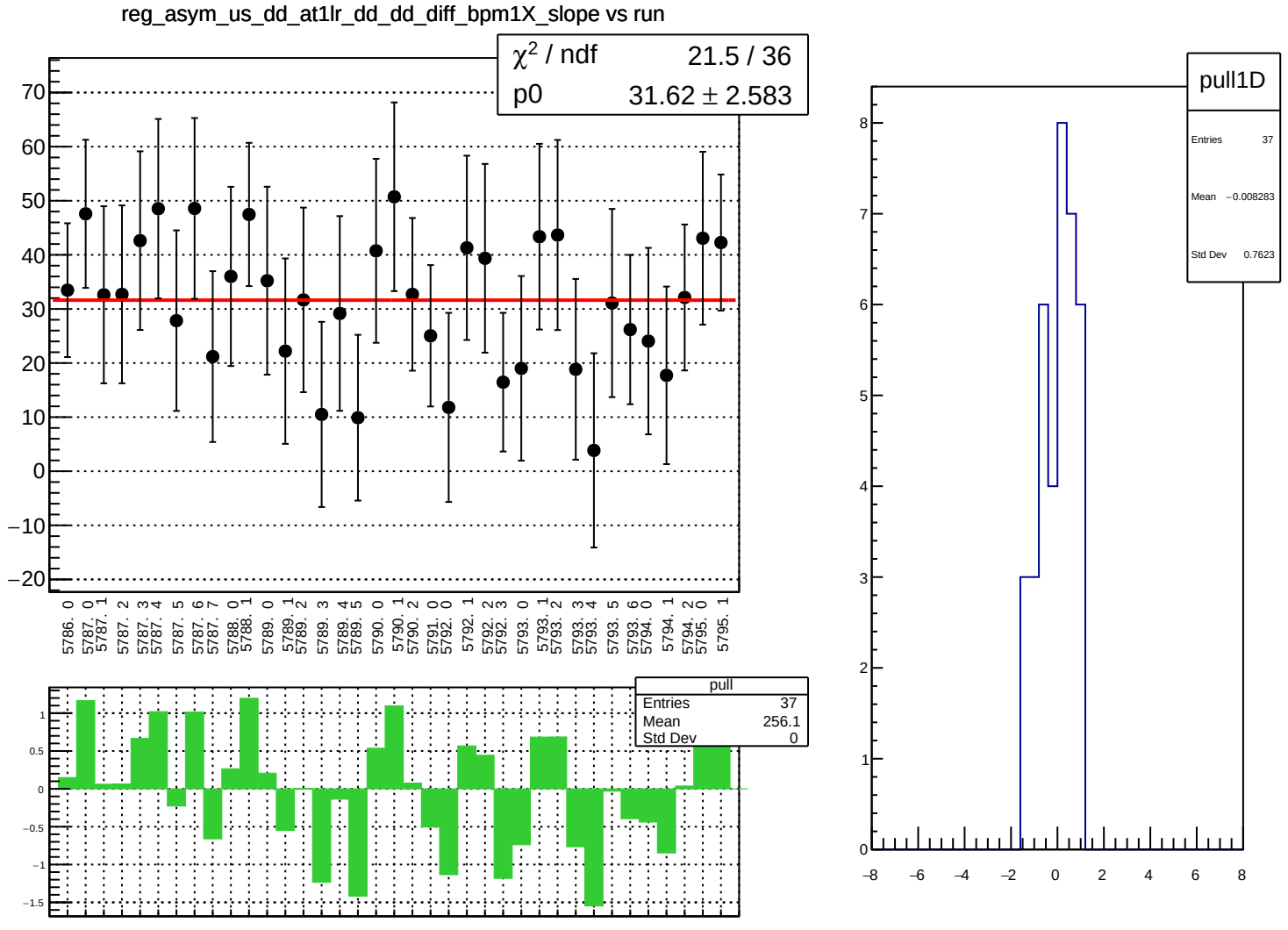

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 41 / 36
p0 30.78 ± 3.47
80
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −176.3
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.009375
Std Dev 1.053
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

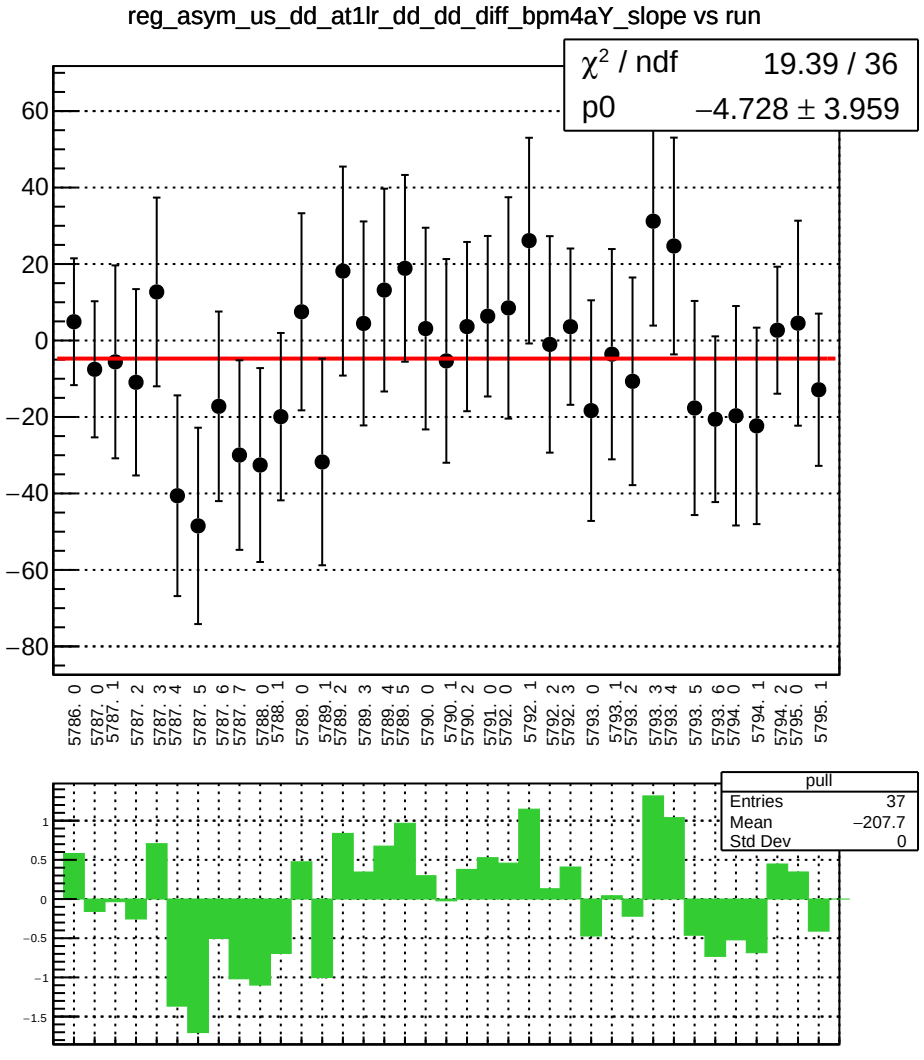

reg_asym_us_dd_at1lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 26.15 / 36
p0 11.74 ± 4.066
pull
Entries 37
Mean −79.95
Std Dev 0

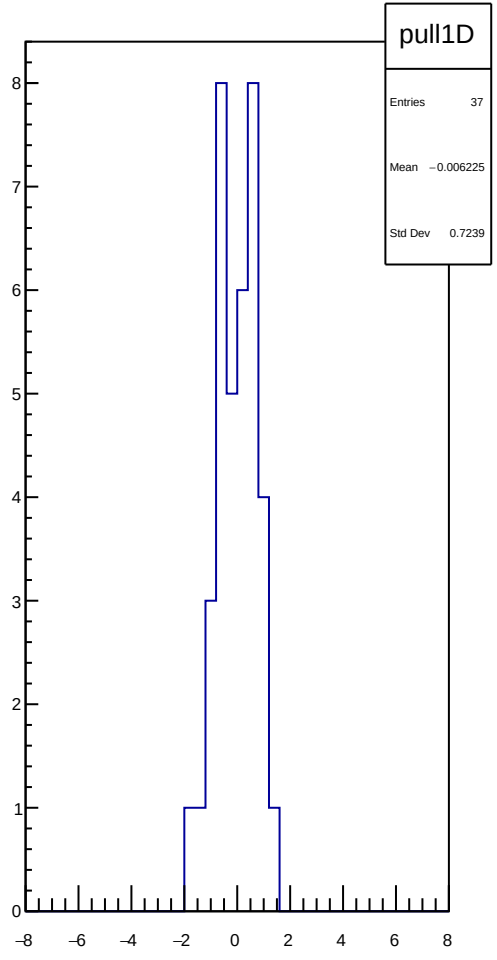

pull1D
Entries 37
Mean −0.01455
Std Dev 0.8406

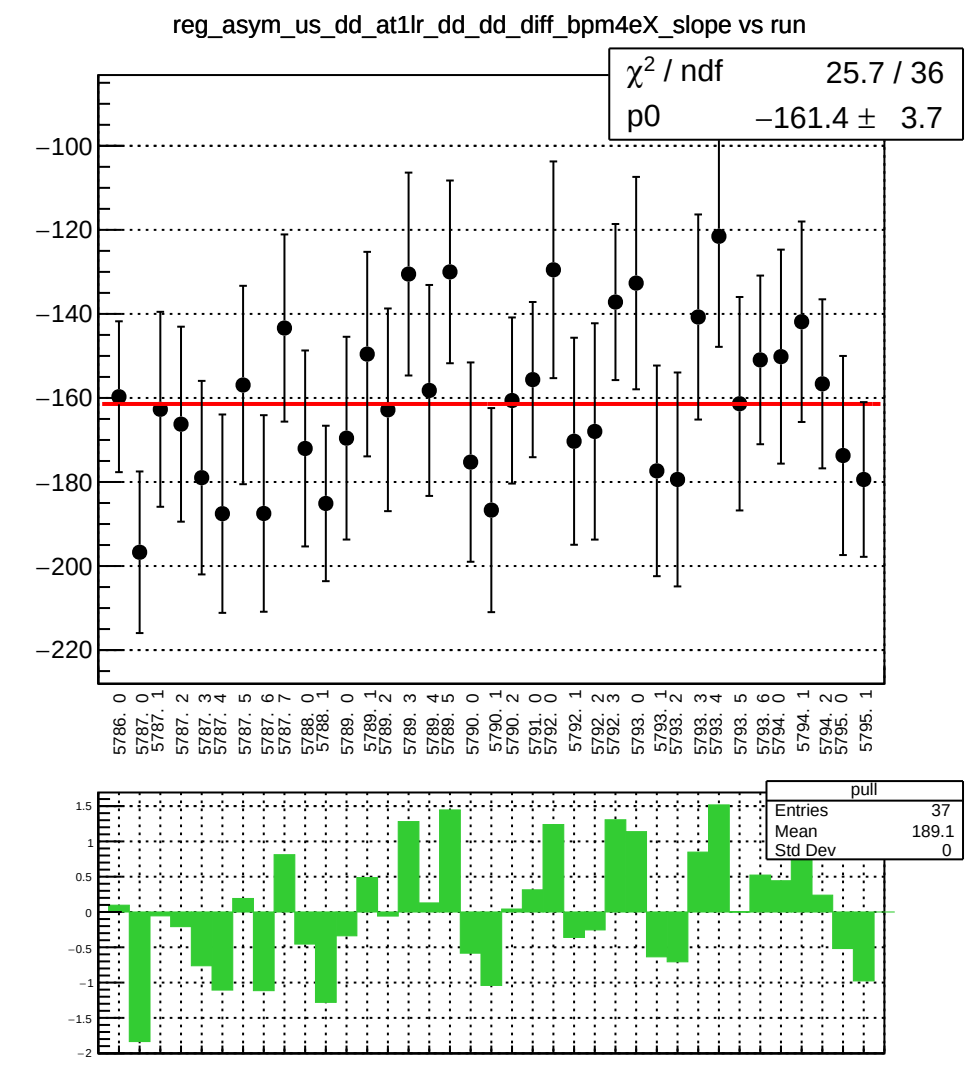

reg_asym_us_dd_at1lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 44.95 / 36
p0 −23.78 ± 0.2885
−18
−20
−22
−24
−26
−28
−30
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −58.35
Std Dev 0
2
1
0
−1
−2
−3
−4

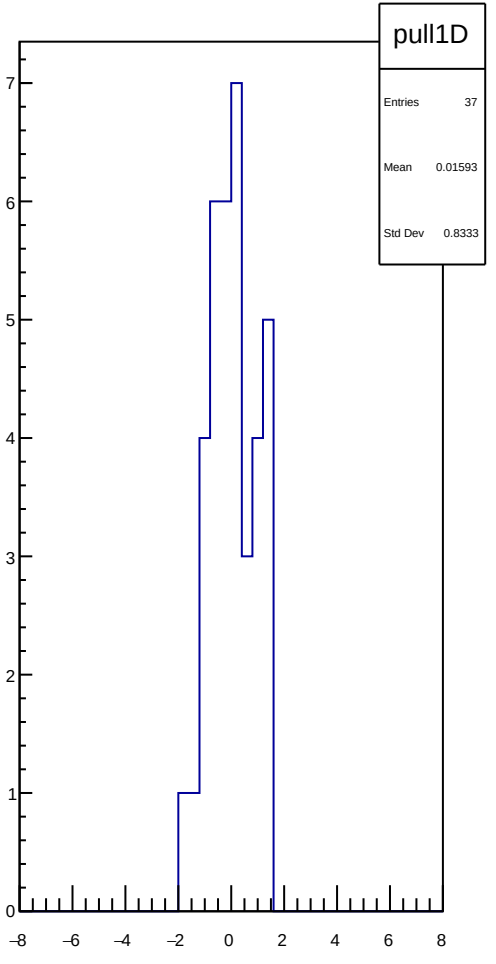

pull1D
Entries 37
Mean 0.01645
Std Dev 1.102
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

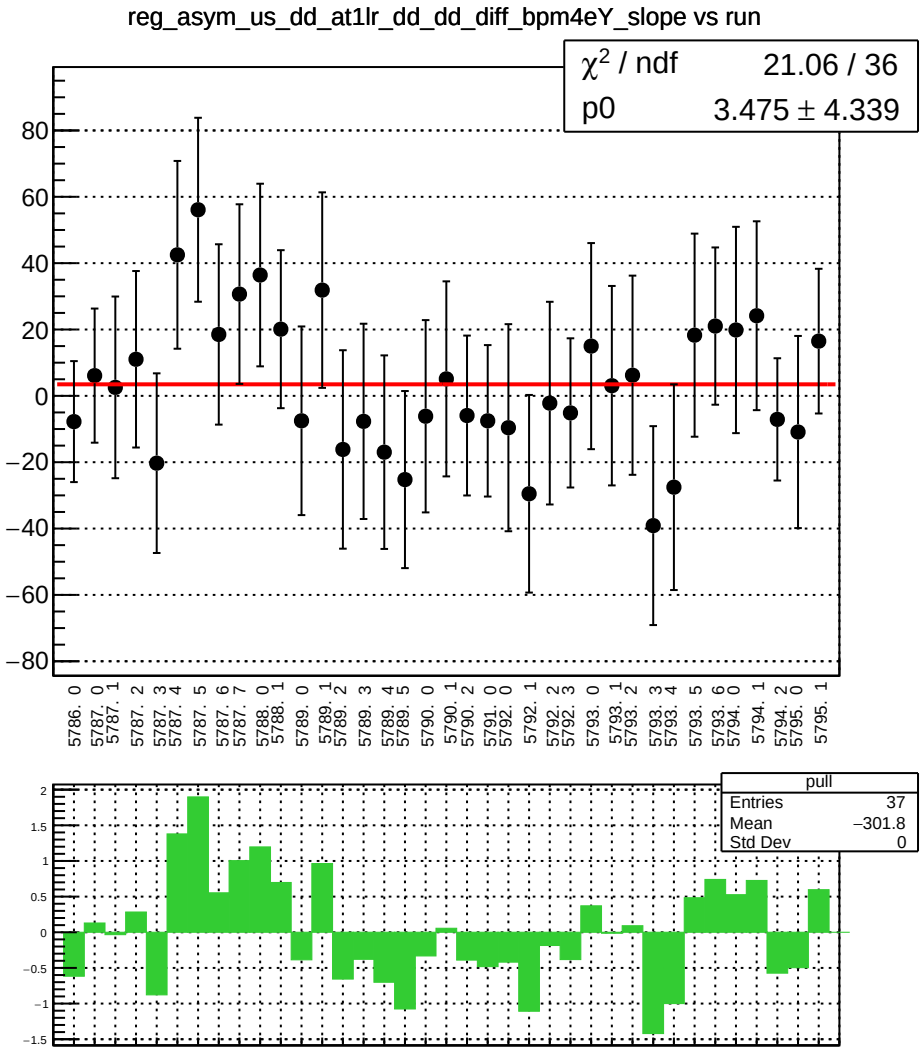

reg_asym_us_dd_at1lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 21.5 / 36
p0 31.62 ± 2.583
pull
Entries 37
Mean 256.1
Std Dev 0
pull1D
Entries 37
Mean −0.008283
Std Dev 0.7623

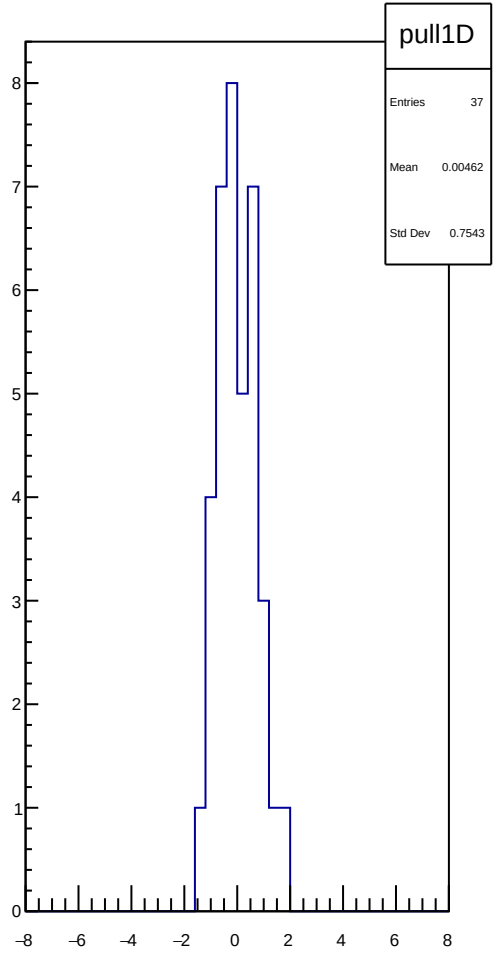

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 19.39 / 36
p0 −4.728 ± 3.959
pull
Entries 37
Mean −207.7
Std Dev 0

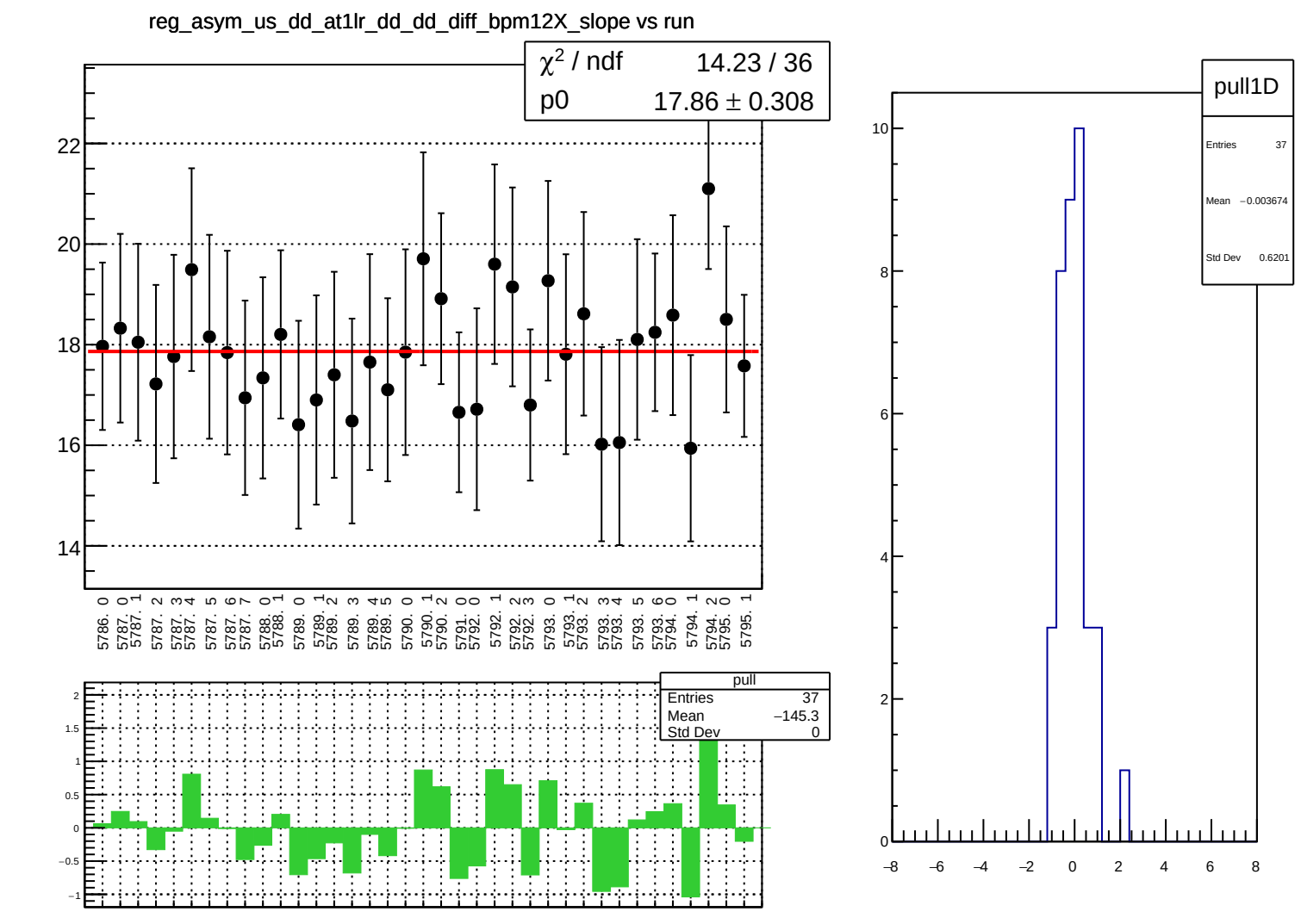

pull1D
Entries 37
Mean −0.006225
Std Dev 0.7239

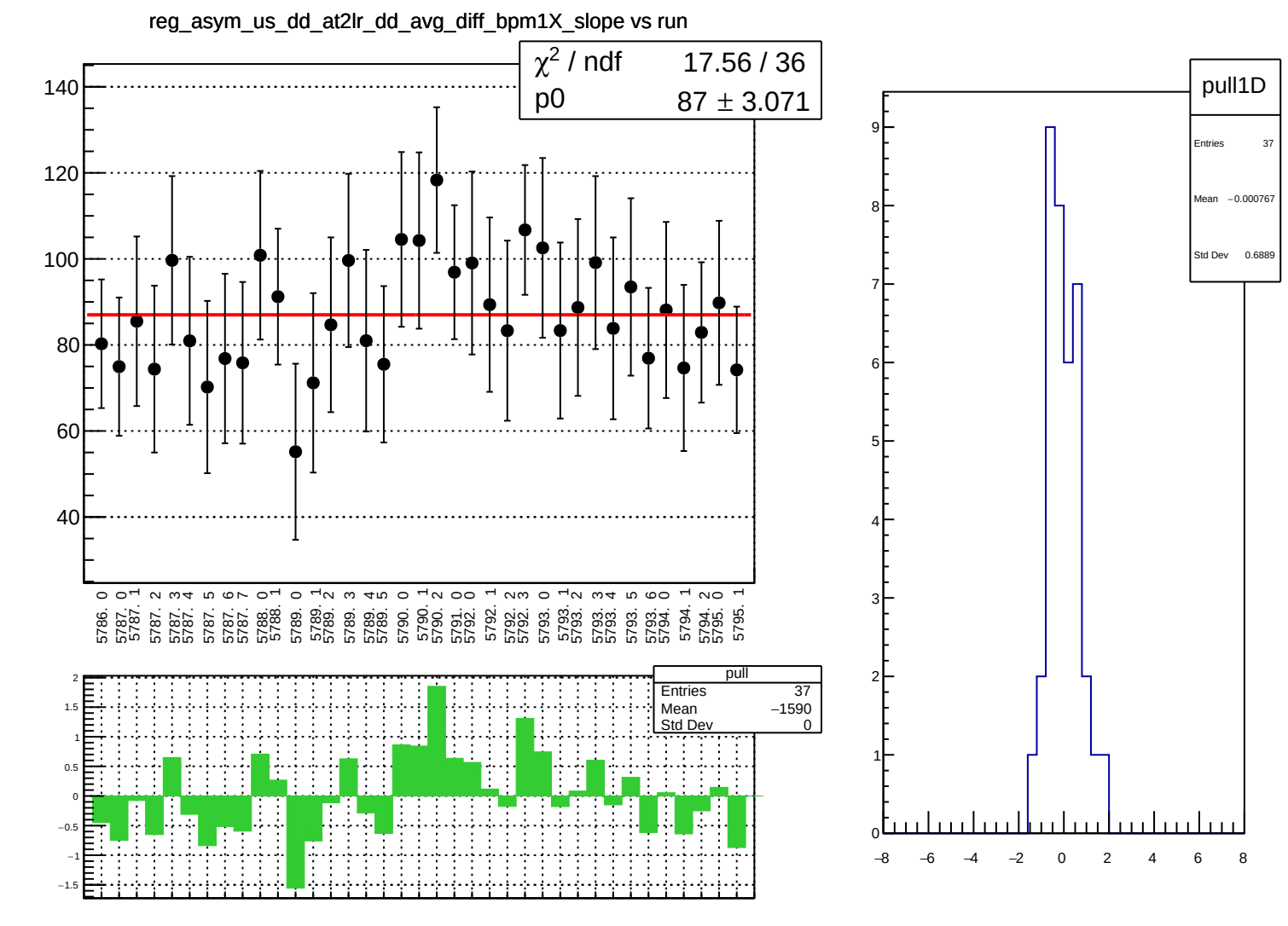

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 25.7 / 36
p0 −161.4 ± 3.7
−100
−120
−140
−160
−180
−200
−220
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 189.1
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2

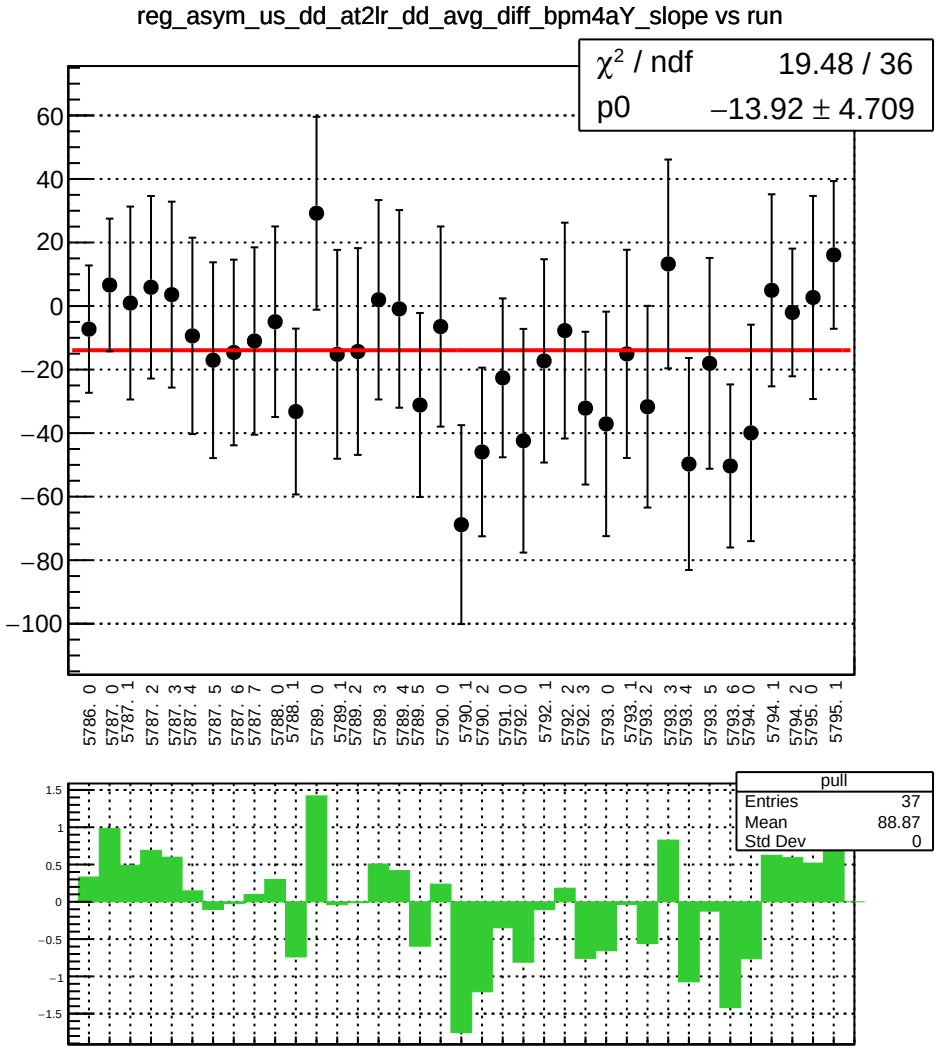

pull1D
Entries 37
Mean 0.01593
Std Dev 0.8333
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

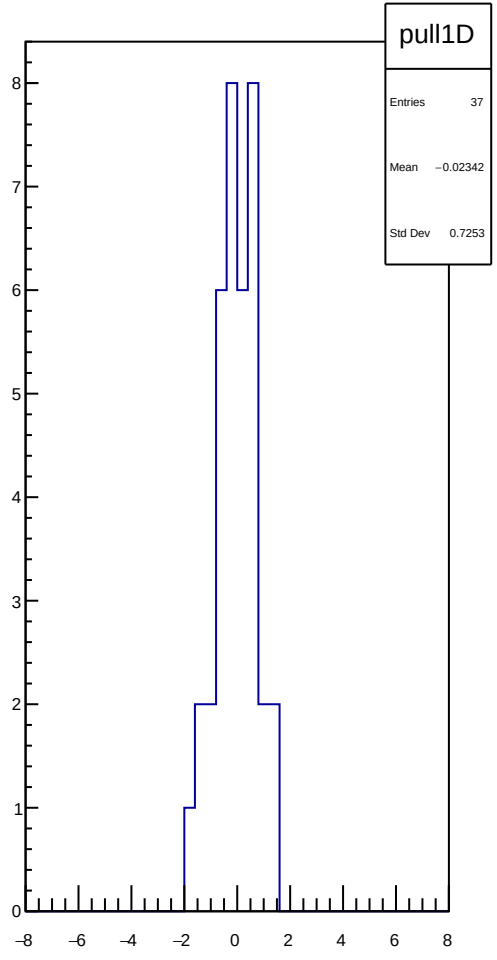

reg_asym_us_dd_at1lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 21.06 / 36
p0 3.475 ± 4.339
pull
Entries 37
Mean −301.8
Std Dev 0

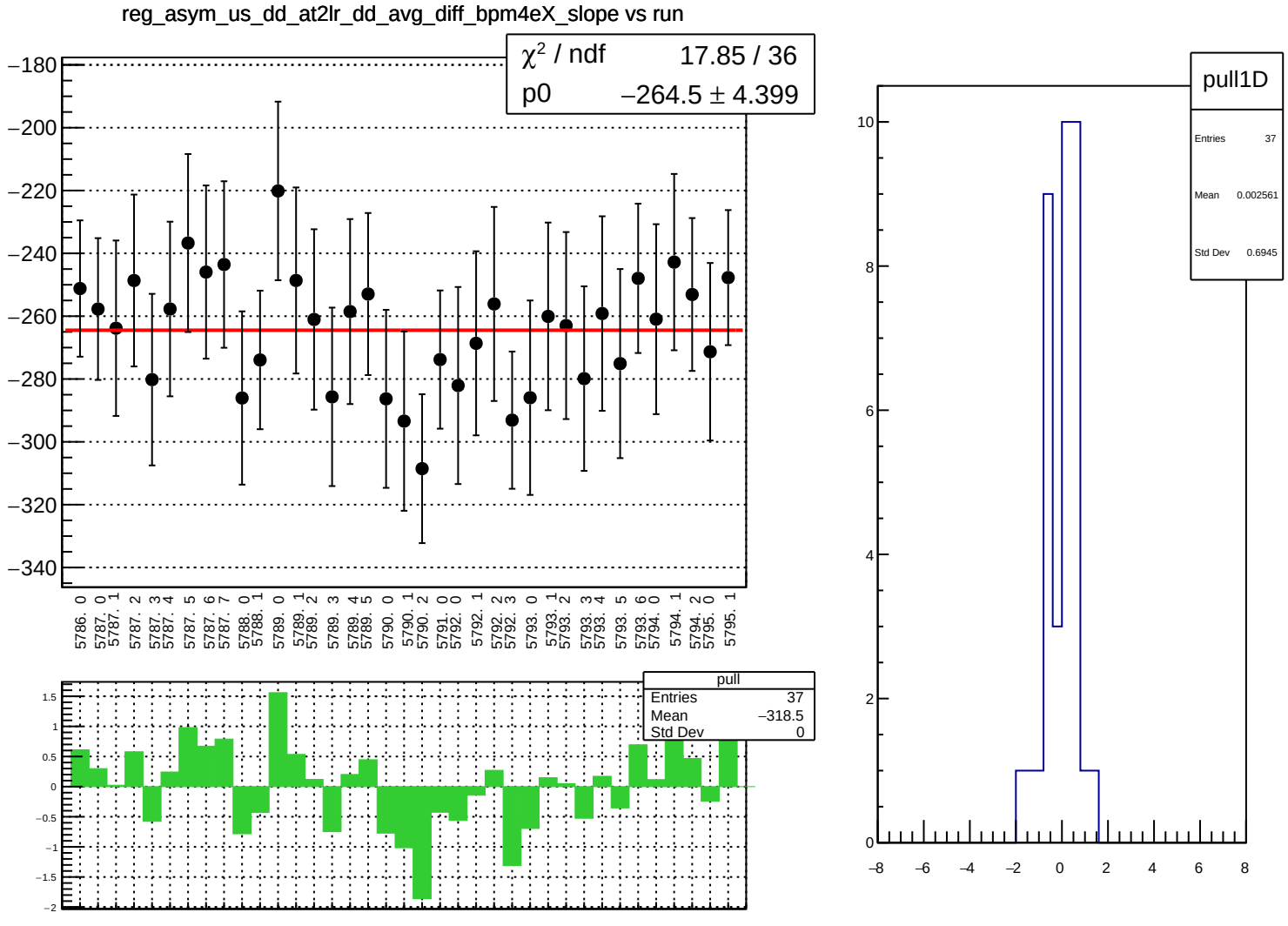

pull1D
Entries 37
Mean 0.00462
Std Dev 0.7543

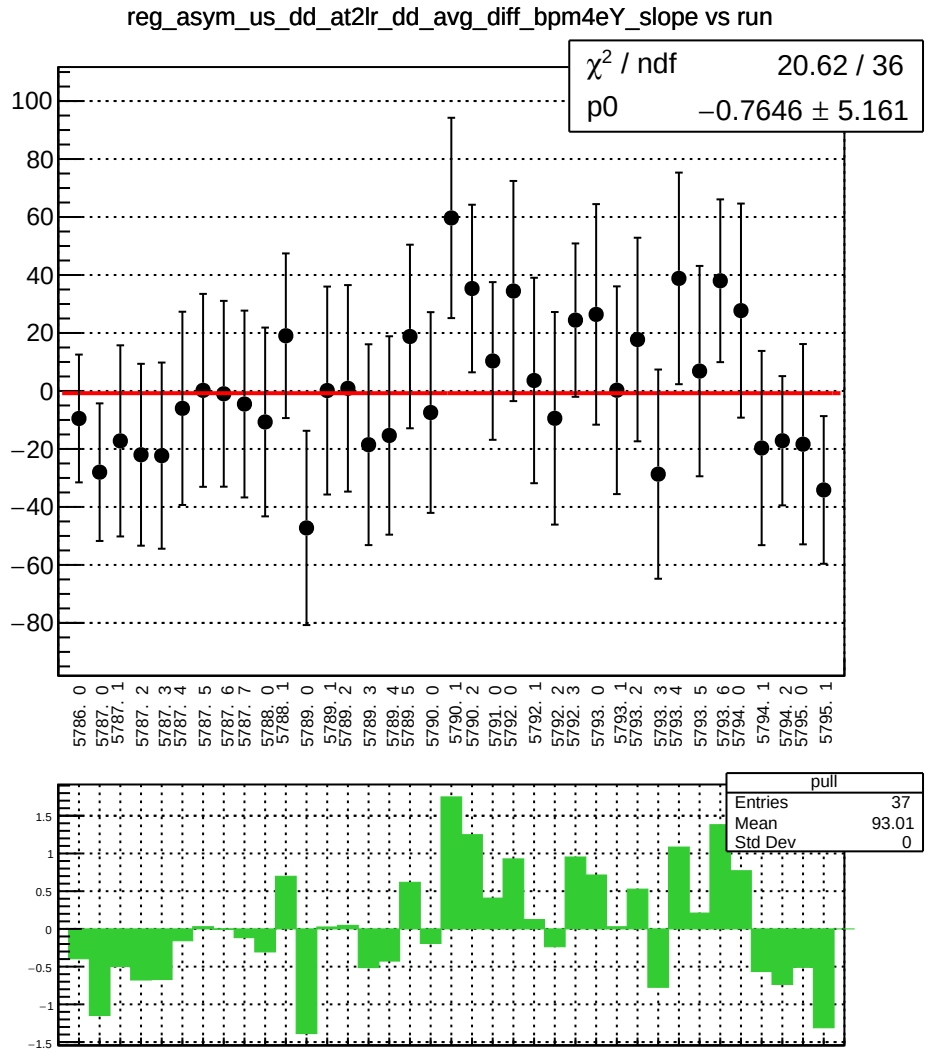

reg_asym_us_dd_at1lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 14.23 / 36
p0 17.86 ± 0.308
22
20
18
16
14
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −145.3
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
pull1D
Entries 37
Mean −0.003674
Std Dev 0.6201
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

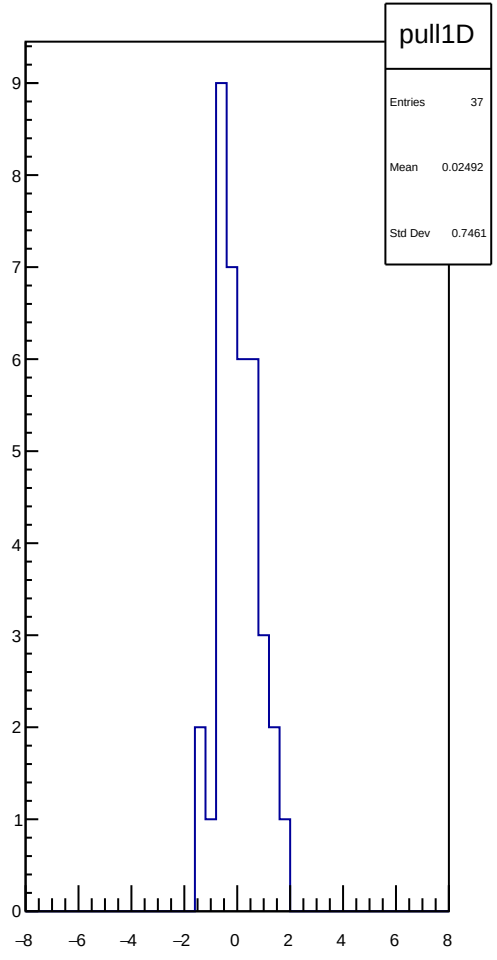

reg_asym_us_dd_at2lr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 17.56 / 36
p0 87 ± 3.071
pull
Entries 37
Mean −1590
Std Dev 0
pull1D
Entries 37
Mean −0.000767
Std Dev 0.6889

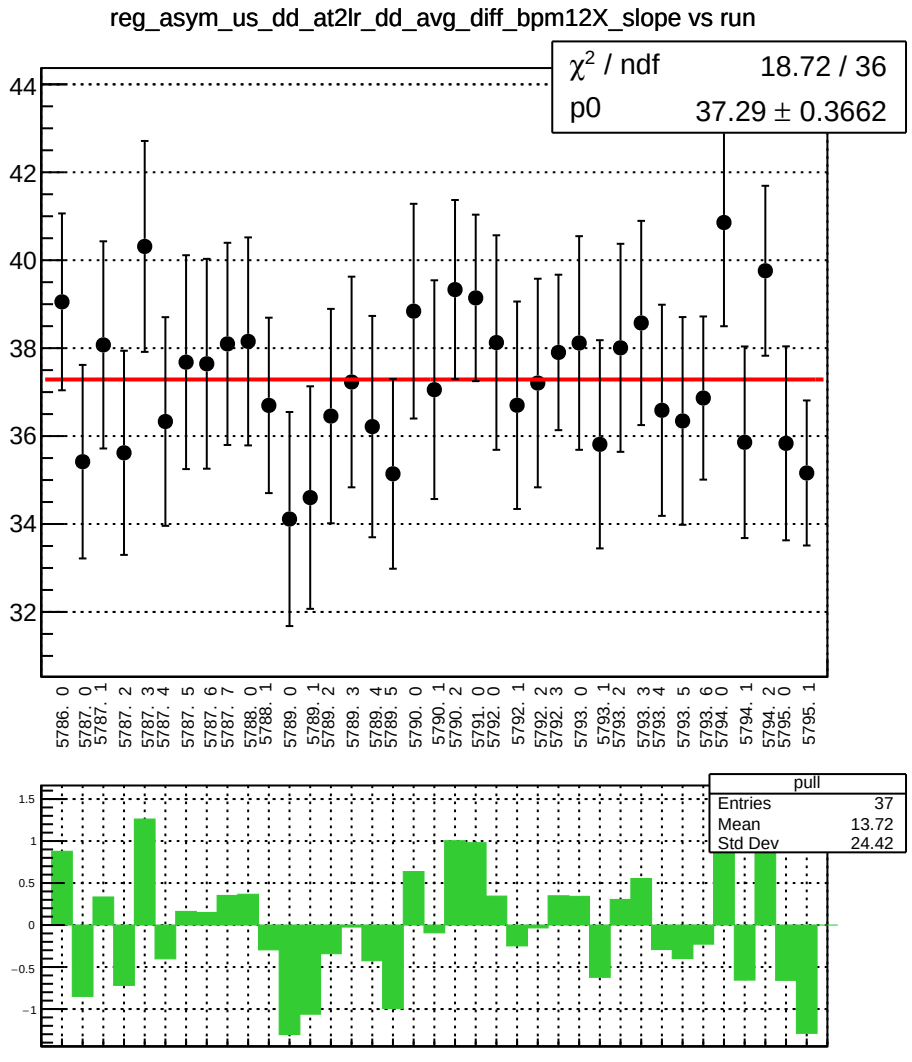

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 19.48 / 36
p0 −13.92 ± 4.709
pull
Entries 37
Mean 88.87
Std Dev 0

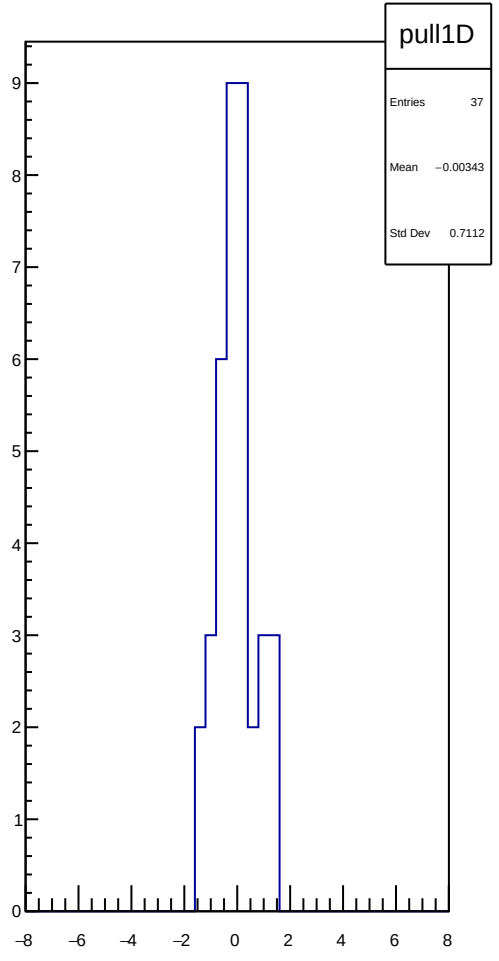

pull1D
Entries 37
Mean −0.02342
Std Dev 0.7253

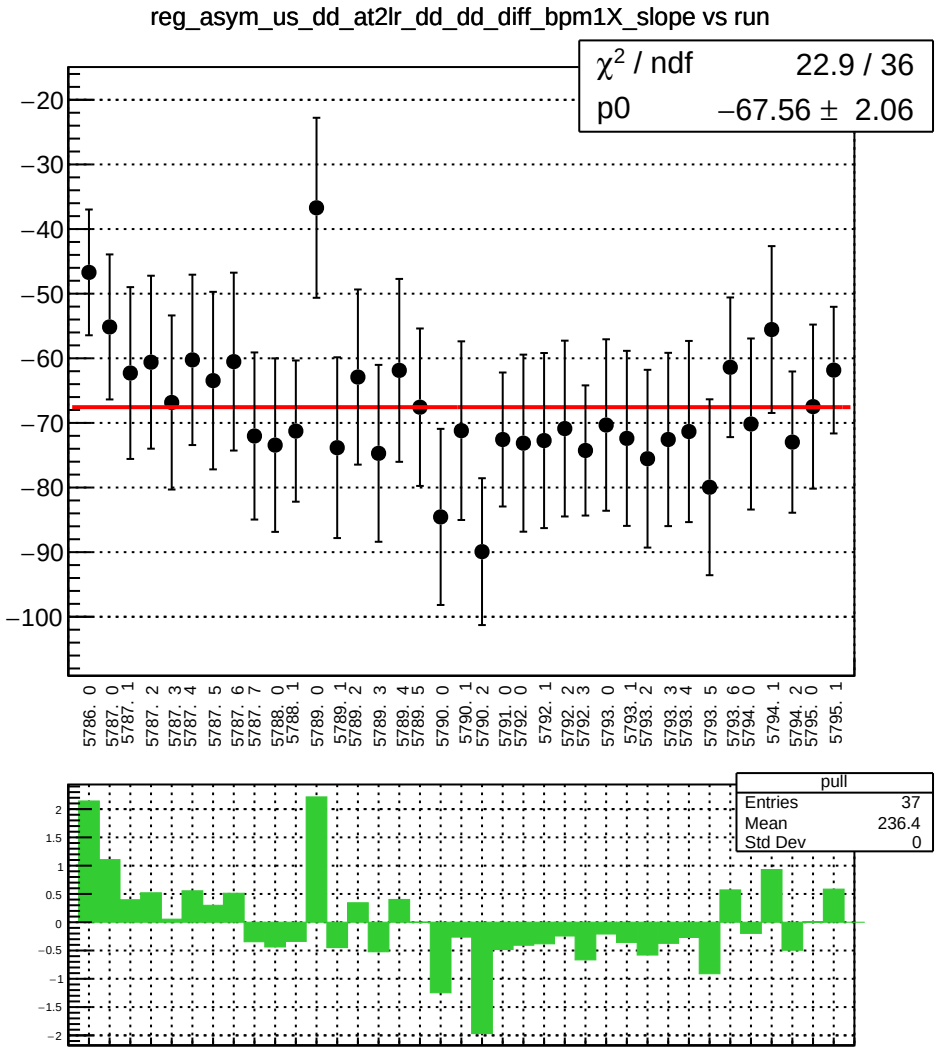

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 17.85 / 36
p0 −264.5 ± 4.399
−180
−200
−220
−240
−260
−280
−300
−320
−340
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −318.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.002561
Std Dev 0.6945
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

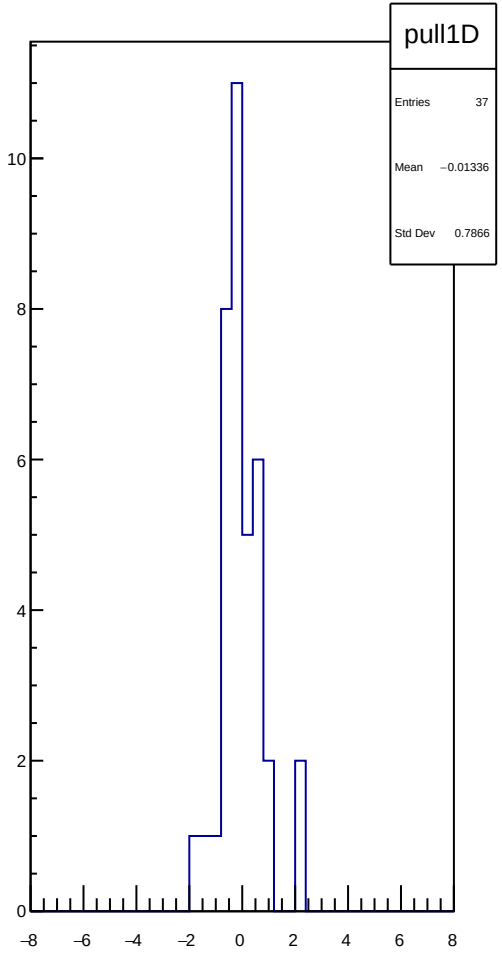

reg_asym_us_dd_at2lr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 20.62 / 36
p0 −0.7646 ± 5.161
pull
Entries 37
Mean 93.01
Std Dev 0

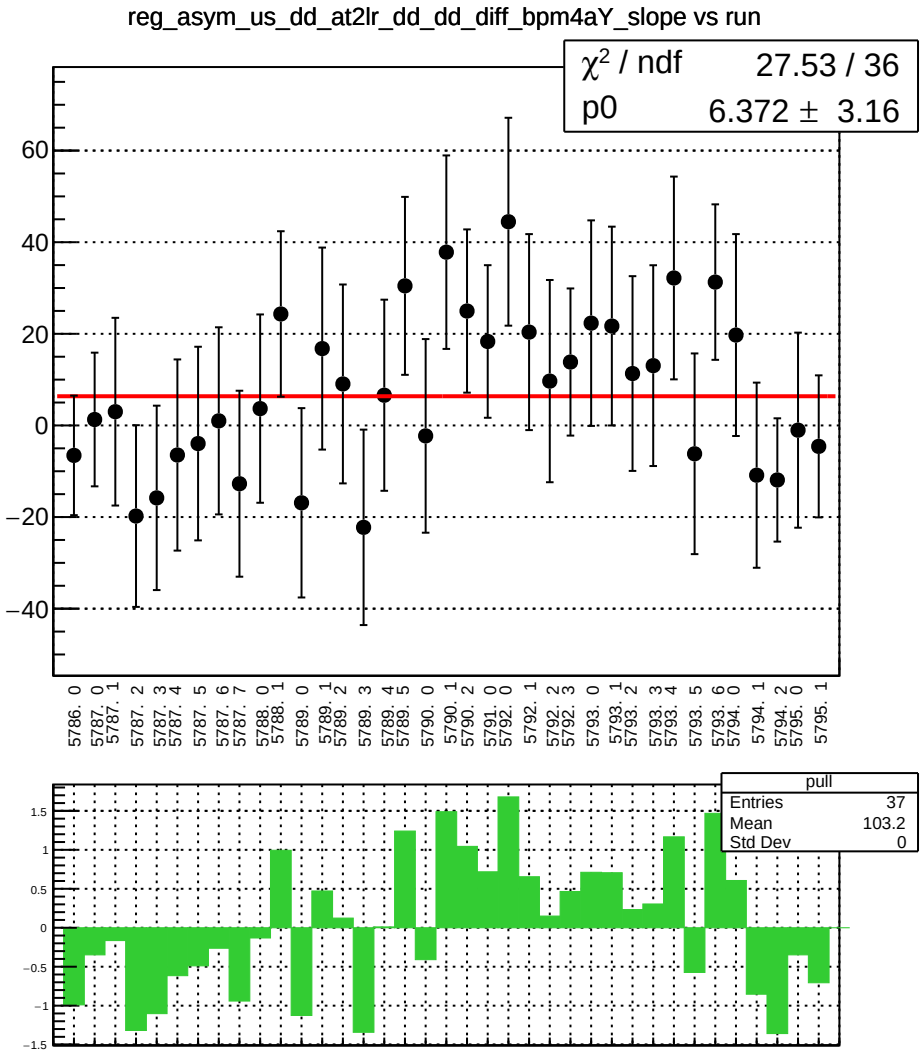

pull1D
Entries 37
Mean 0.02492
Std Dev 0.7461

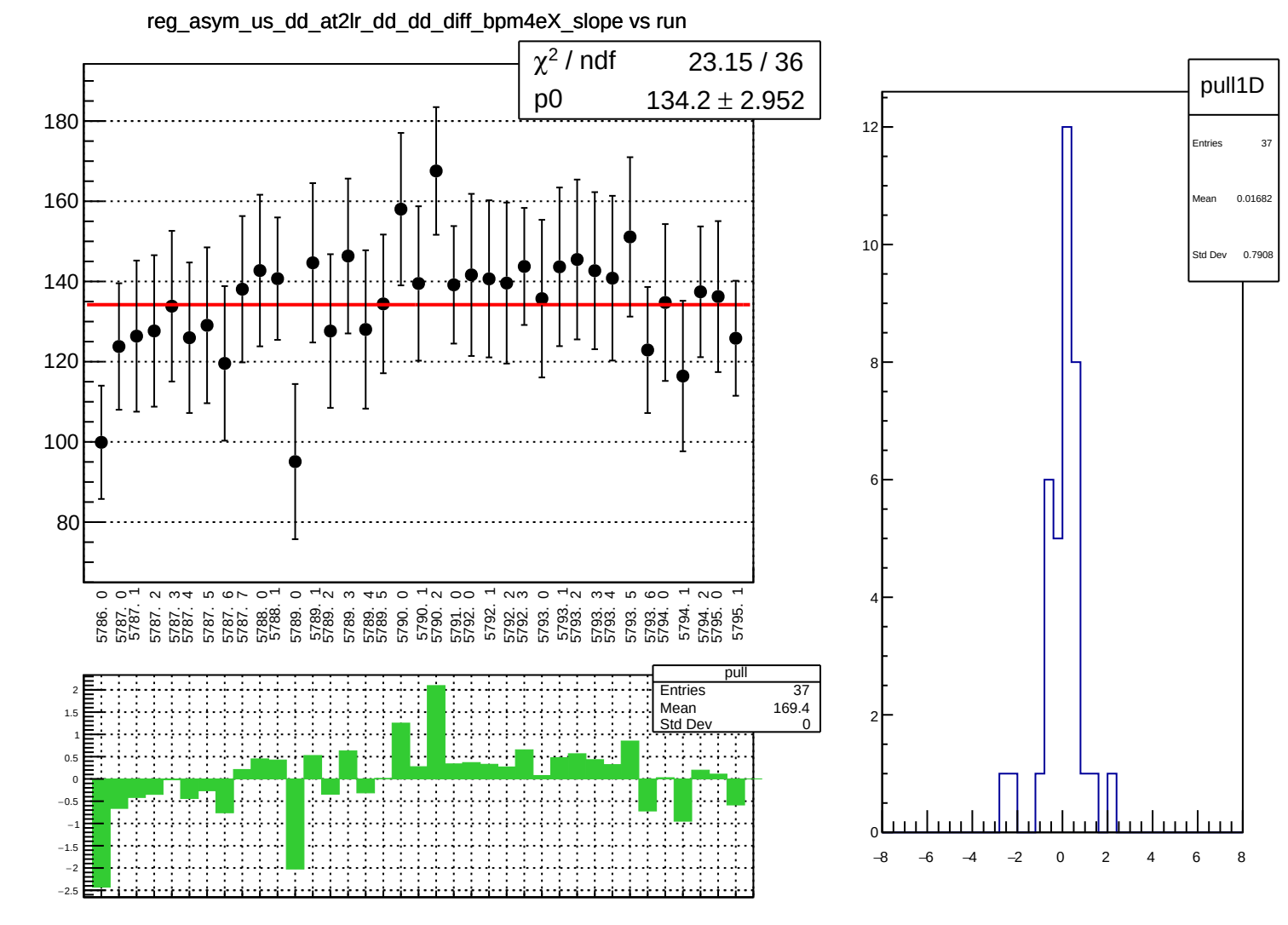

reg_asym_us_dd_at2lr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 18.72 / 36
p0 37.29 ± 0.3662
pull
Entries 37
Mean 13.72
Std Dev 24.42

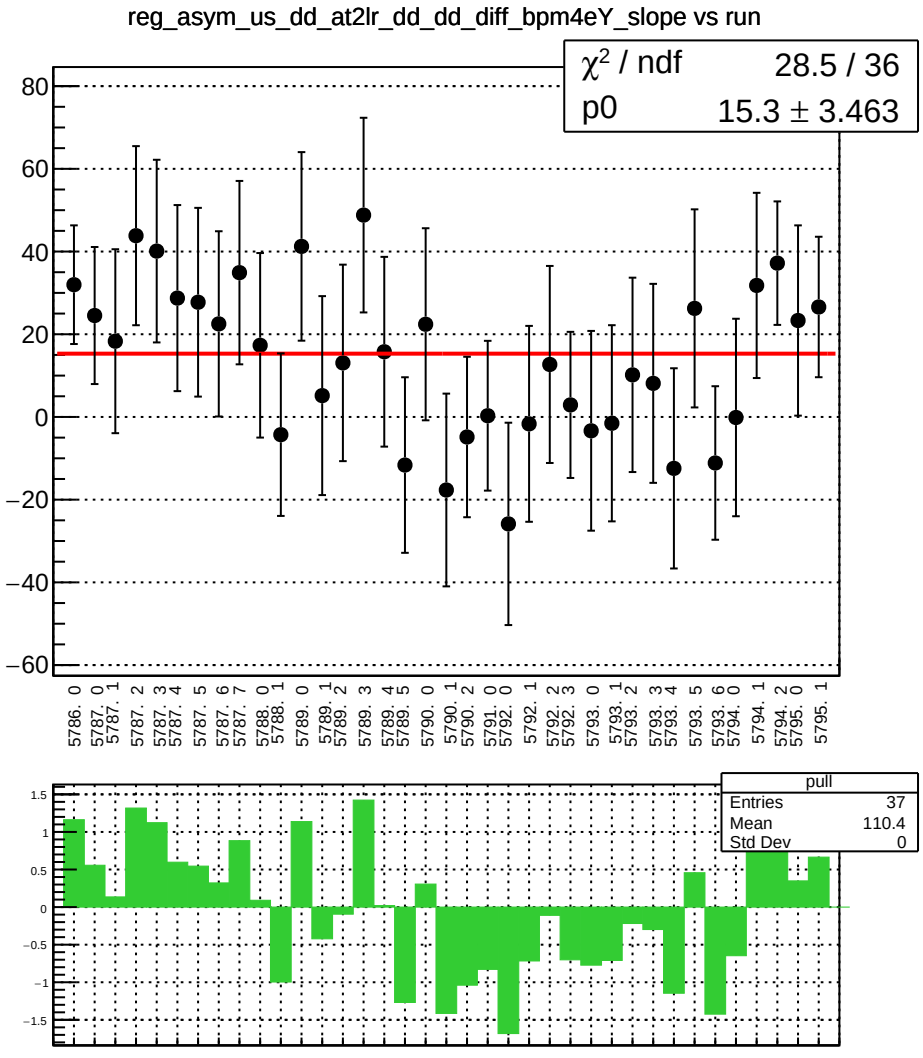

pull1D
Entries 37
Mean −0.00343
Std Dev 0.7112

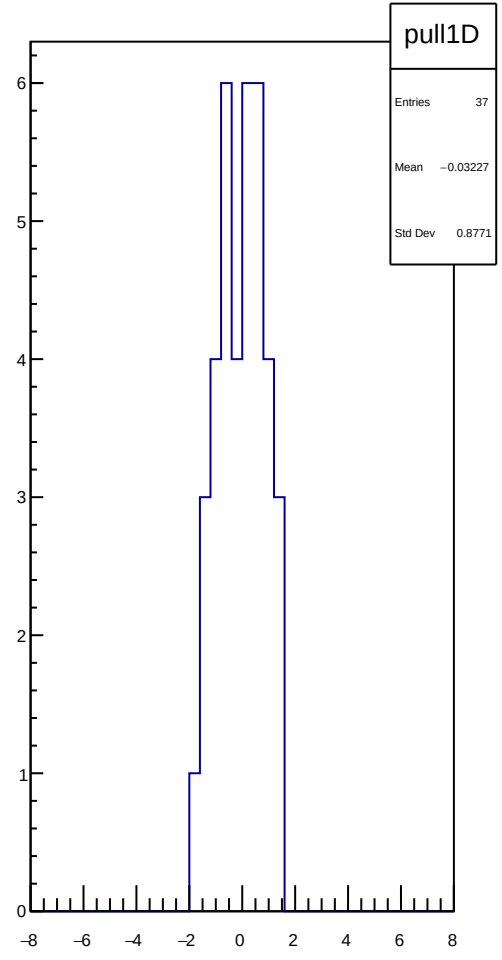

reg_asym_us_dd_at2lr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 22.9 / 36
p0 −67.56 ± 2.06
pull
Entries 37
Mean 236.4
Std Dev 0

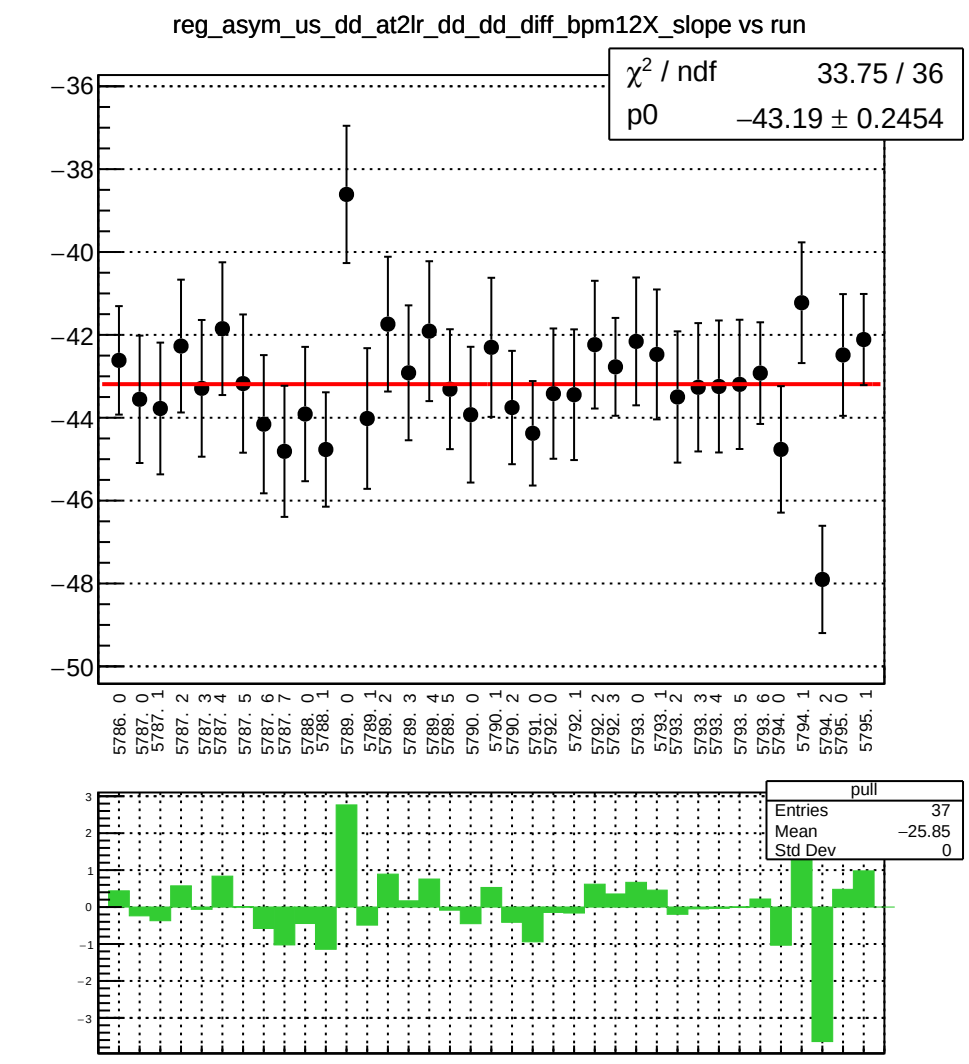

pull1D
Entries 37
Mean −0.01336
Std Dev 0.7866

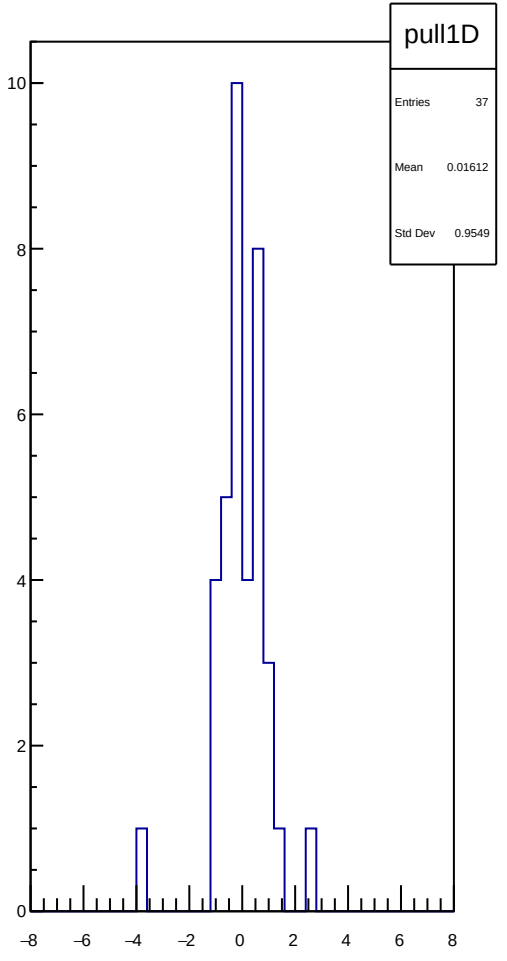

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 27.53 / 36
p0 6.372 ± 3.16
pull
Entries 37
Mean 103.2
Std Dev 0
pull1D
Entries 37
Mean 0.03143
Std Dev 0.8621

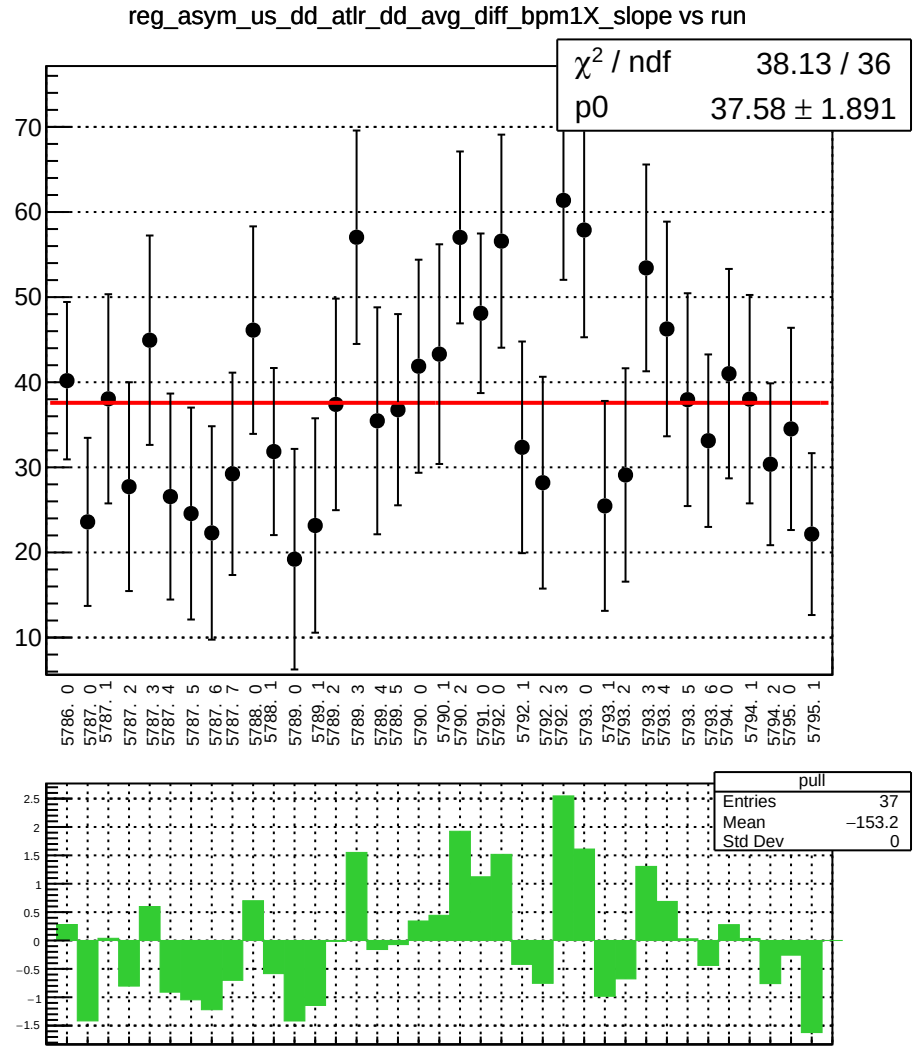

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 23.15 / 36
p0 134.2 ± 2.952
180
160
140
120
100
80
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 169.4
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5
pull1D
Entries 37
Mean 0.01682
Std Dev 0.7908
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

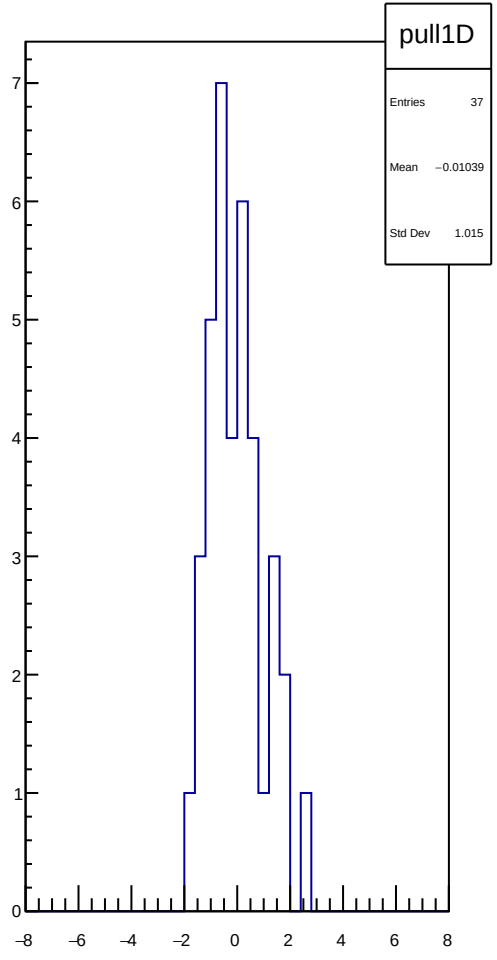

reg_asym_us_dd_at2lr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 28.5 / 36
p0 15.3 ± 3.463
pull
Entries 37
Mean 110.4
Std Dev 0

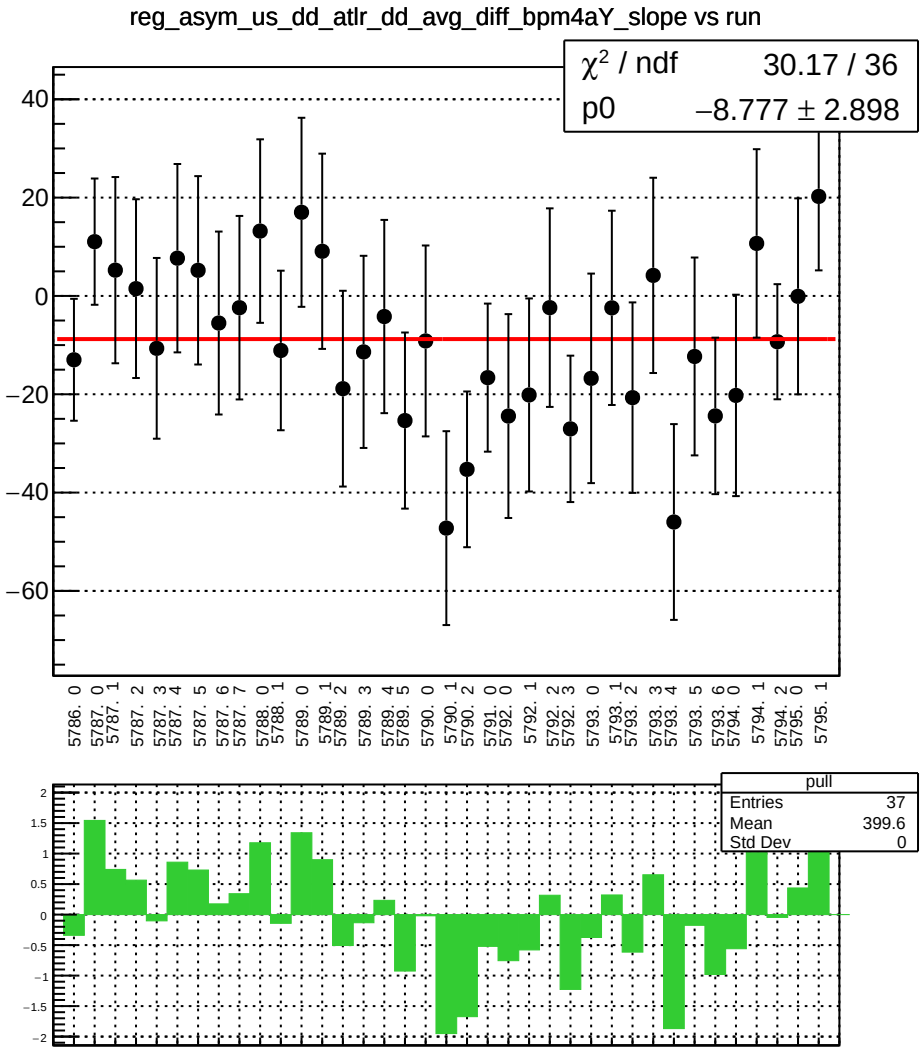

pull1D
Entries 37
Mean −0.03227
Std Dev 0.8771

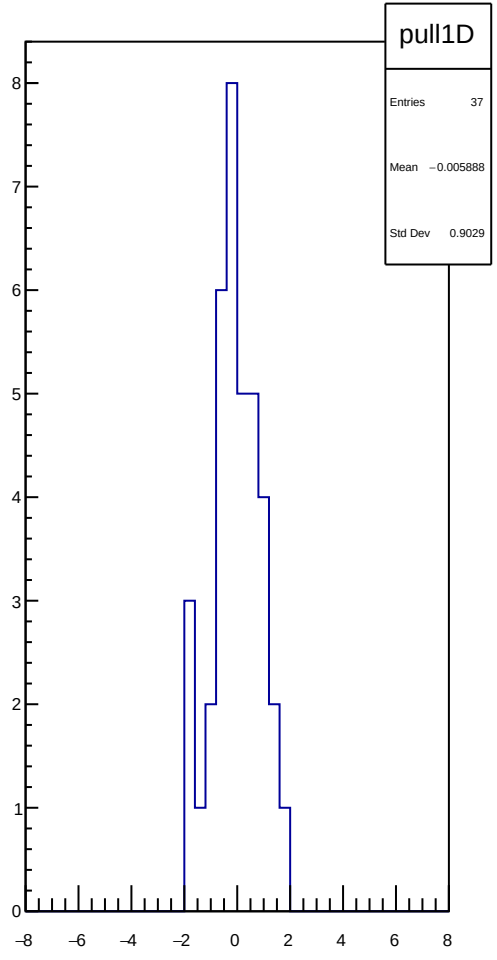

reg_asym_us_dd_at2lr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 33.75 / 36
p0 −43.19 ± 0.2454
−36
−38
−40
−42
−44
−46
−48
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −25.85
Std Dev 0
3
2
1
0
−1
−2
−3

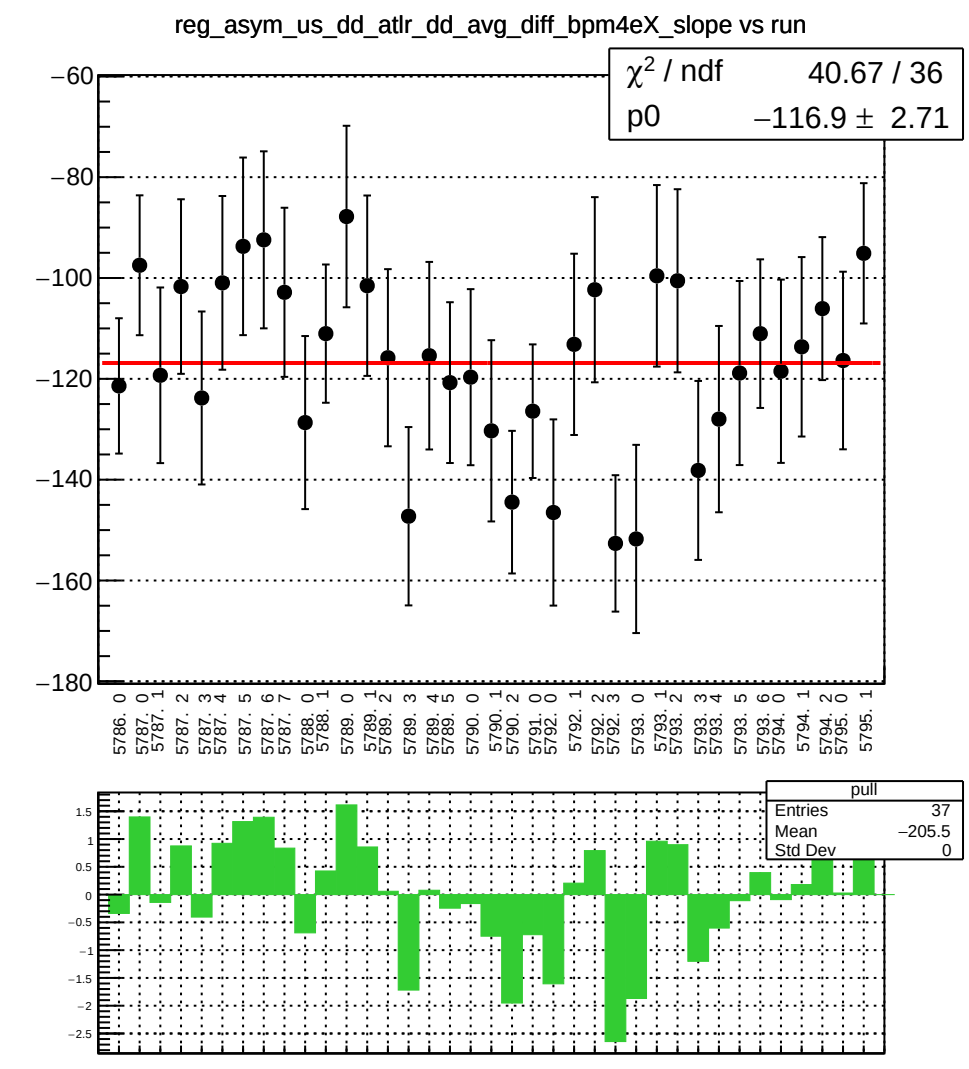

pull1D
Entries 37
Mean 0.01612
Std Dev 0.9549
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

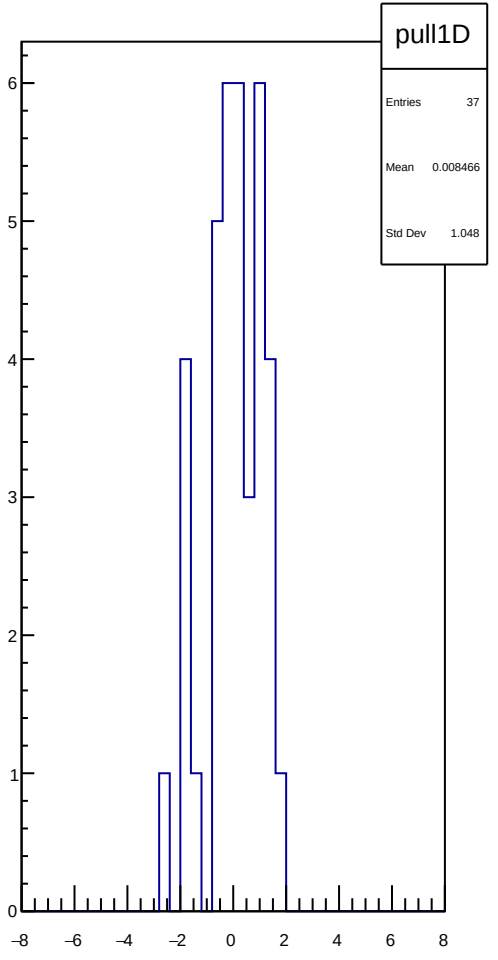

reg_asym_us_dd_atlr_dd_avg_diff_bpm1X_slope vs run
χ² / ndf 38.13 / 36
p0 37.58 ± 1.891
pull
Entries 37
Mean −153.2
Std Dev 0

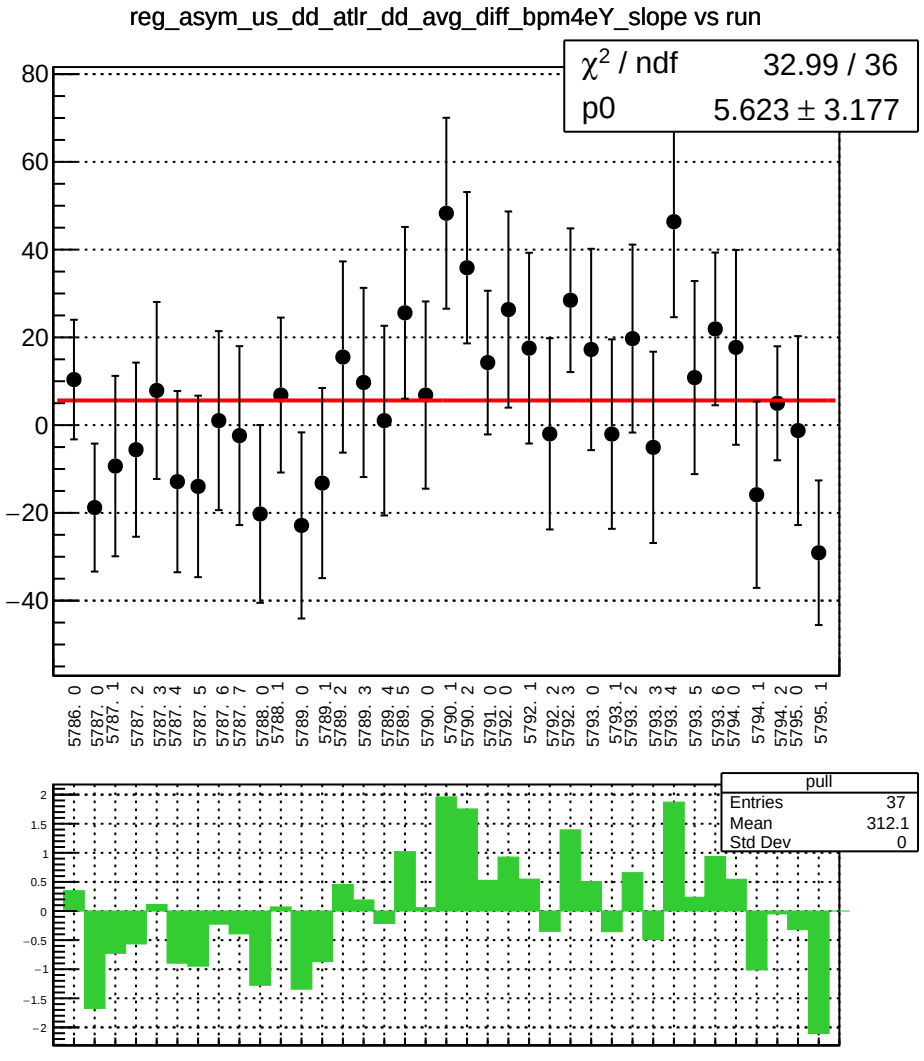

pull1D
Entries 37
Mean −0.01039
Std Dev 1.015

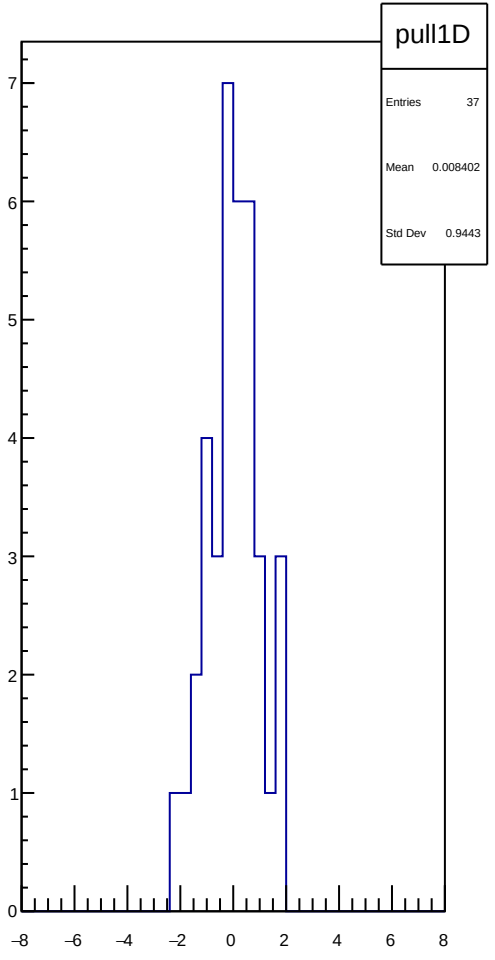

reg_asym_us_dd_atlr_dd_avg_diff_bpm4aY_slope vs run
χ² / ndf 30.17 / 36
p0 −8.777 ± 2.898
pull
Entries 37
Mean 399.6
Std Dev 0

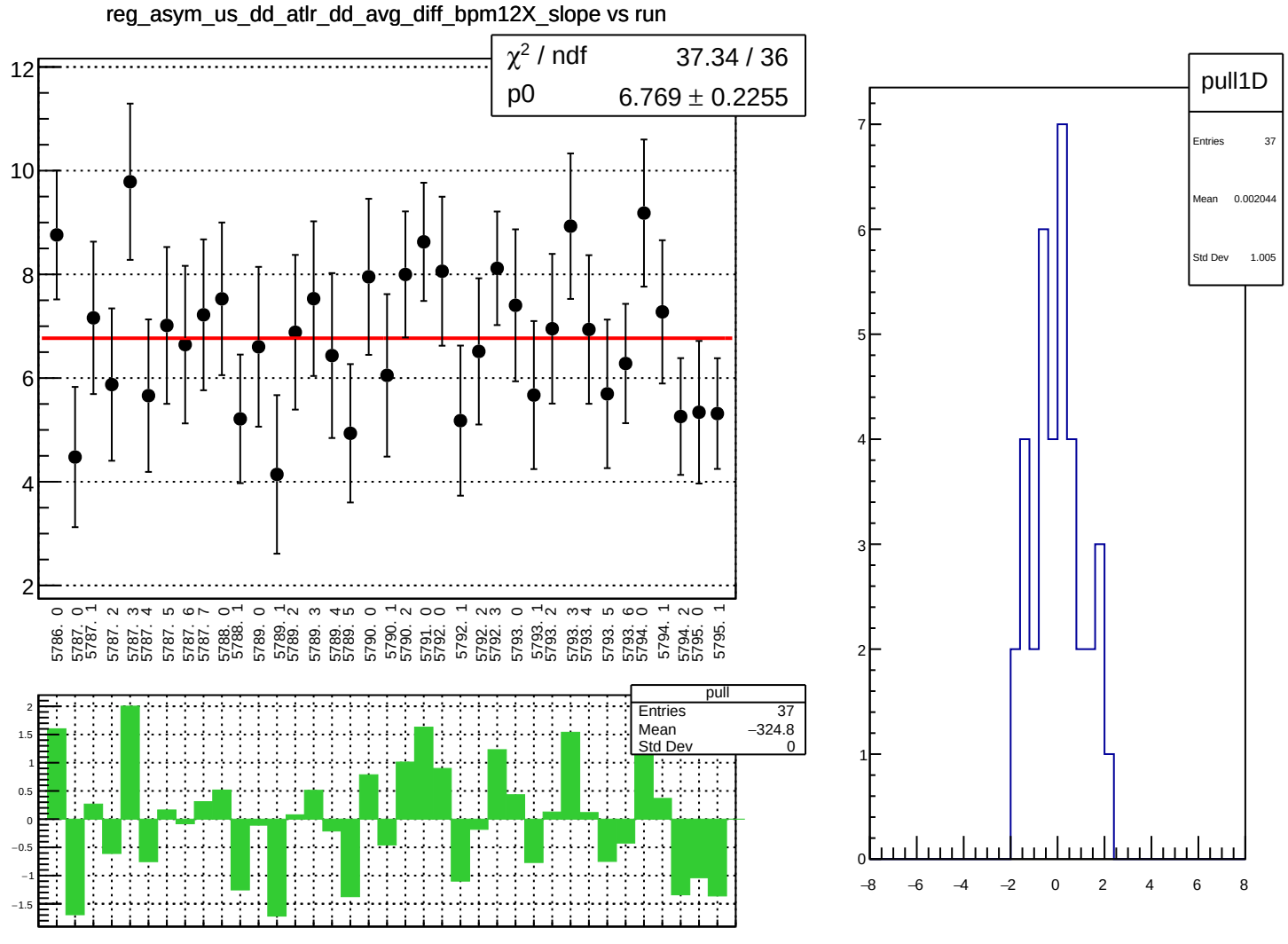

pull1D
Entries 37
Mean −0.005888
Std Dev 0.9029

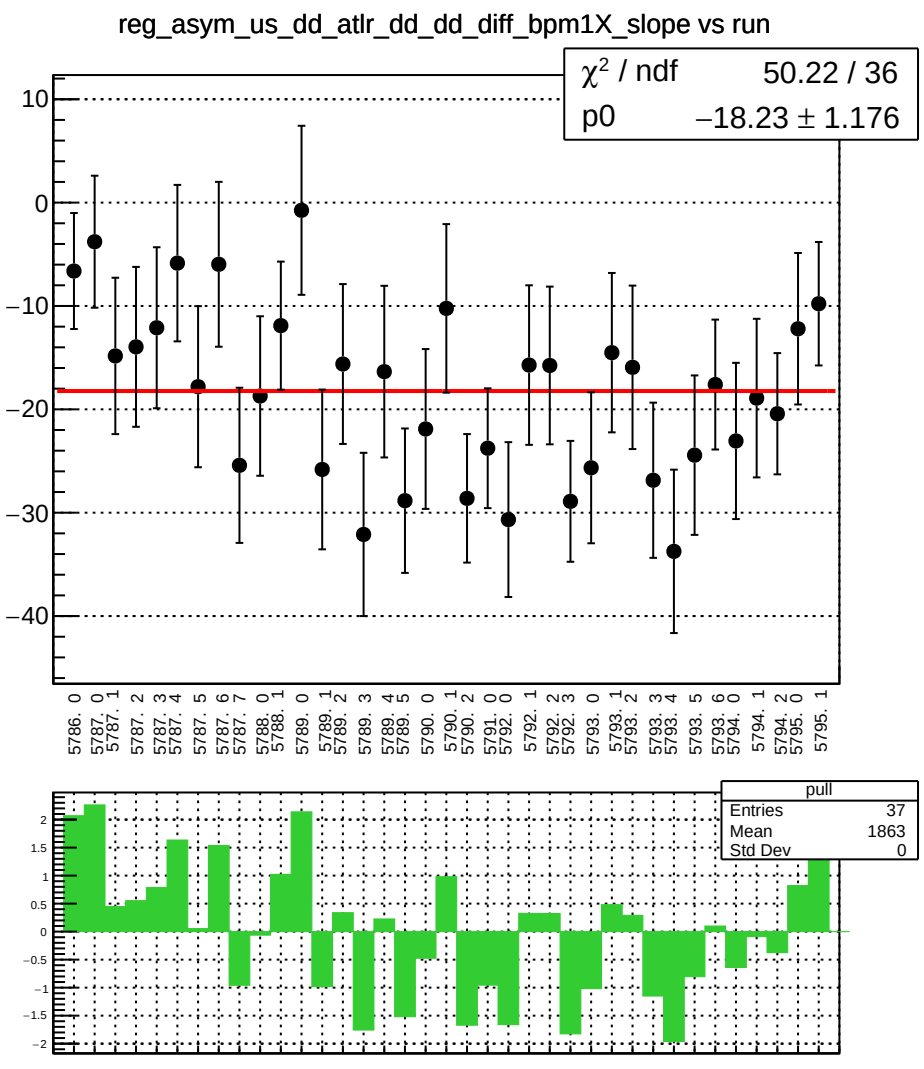

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eX_slope vs run
χ² / ndf 40.67 / 36
p0 −116.9 ± 2.71
−60
−80
−100
−120
−140
−160
−180
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −205.5
Std Dev 0
1.5
1
0.5
0
−0.5
−1
−1.5
−2
−2.5

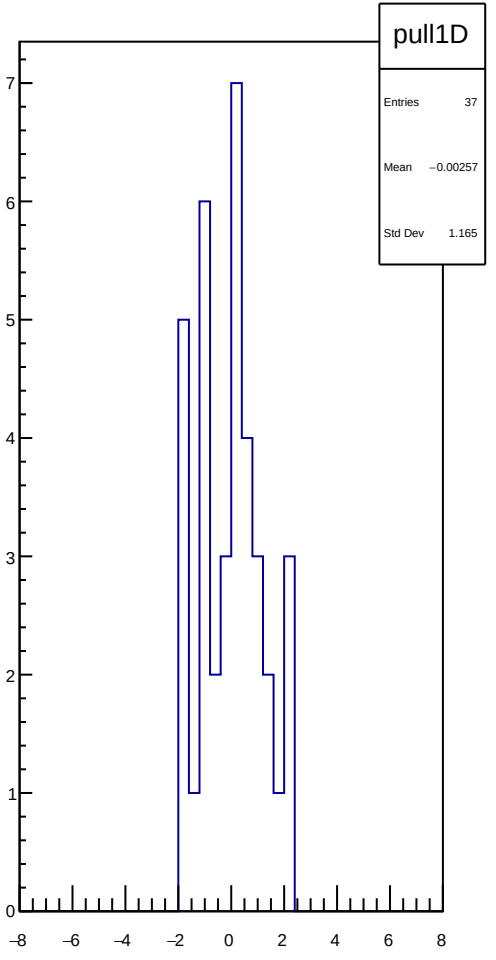

pull1D
Entries 37
Mean 0.008466
Std Dev 1.048
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

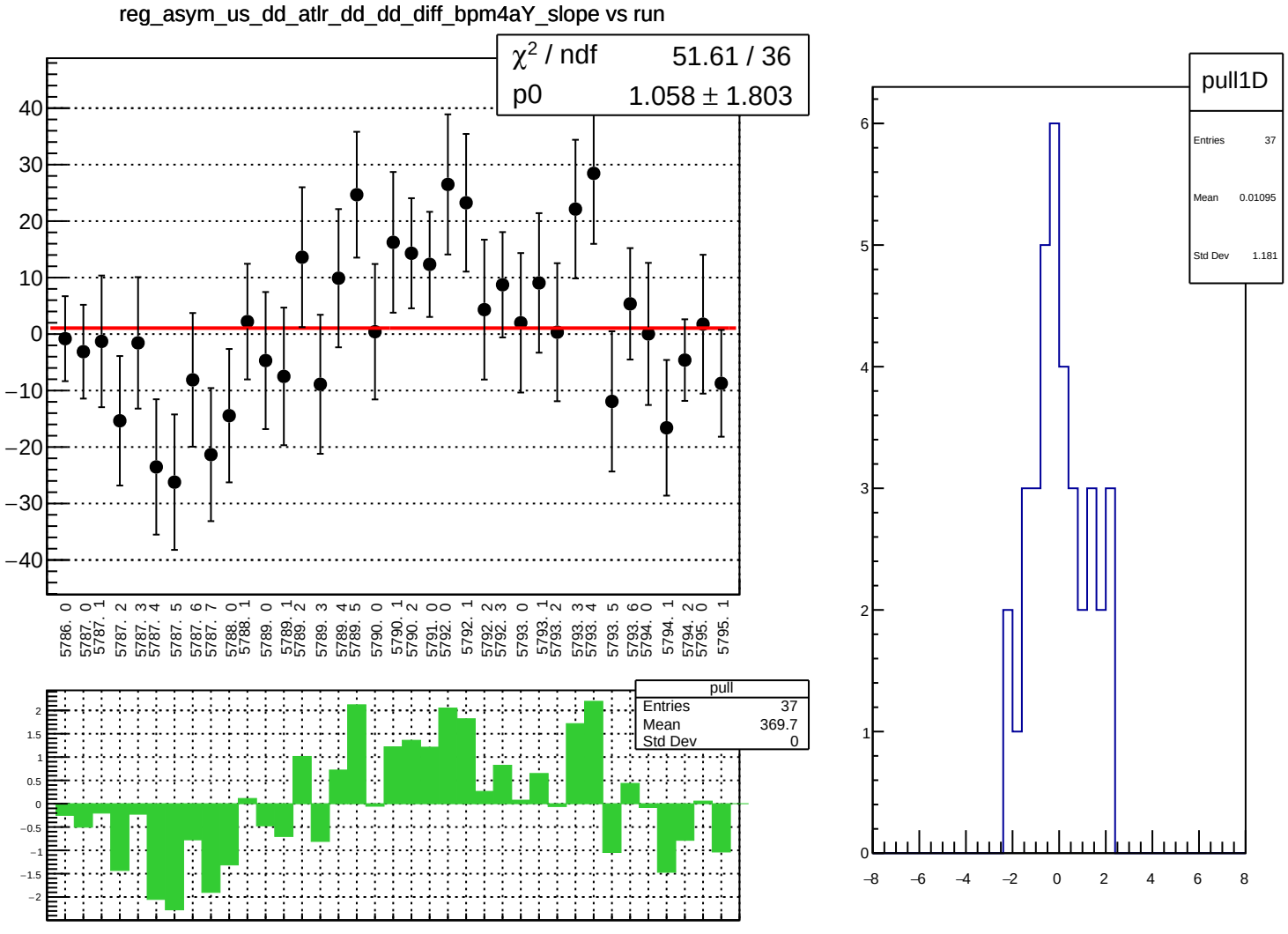

reg_asym_us_dd_atlr_dd_avg_diff_bpm4eY_slope vs run
χ² / ndf 32.99 / 36
p0 5.623 ± 3.177
pull
Entries 37
Mean 312.1
Std Dev 0

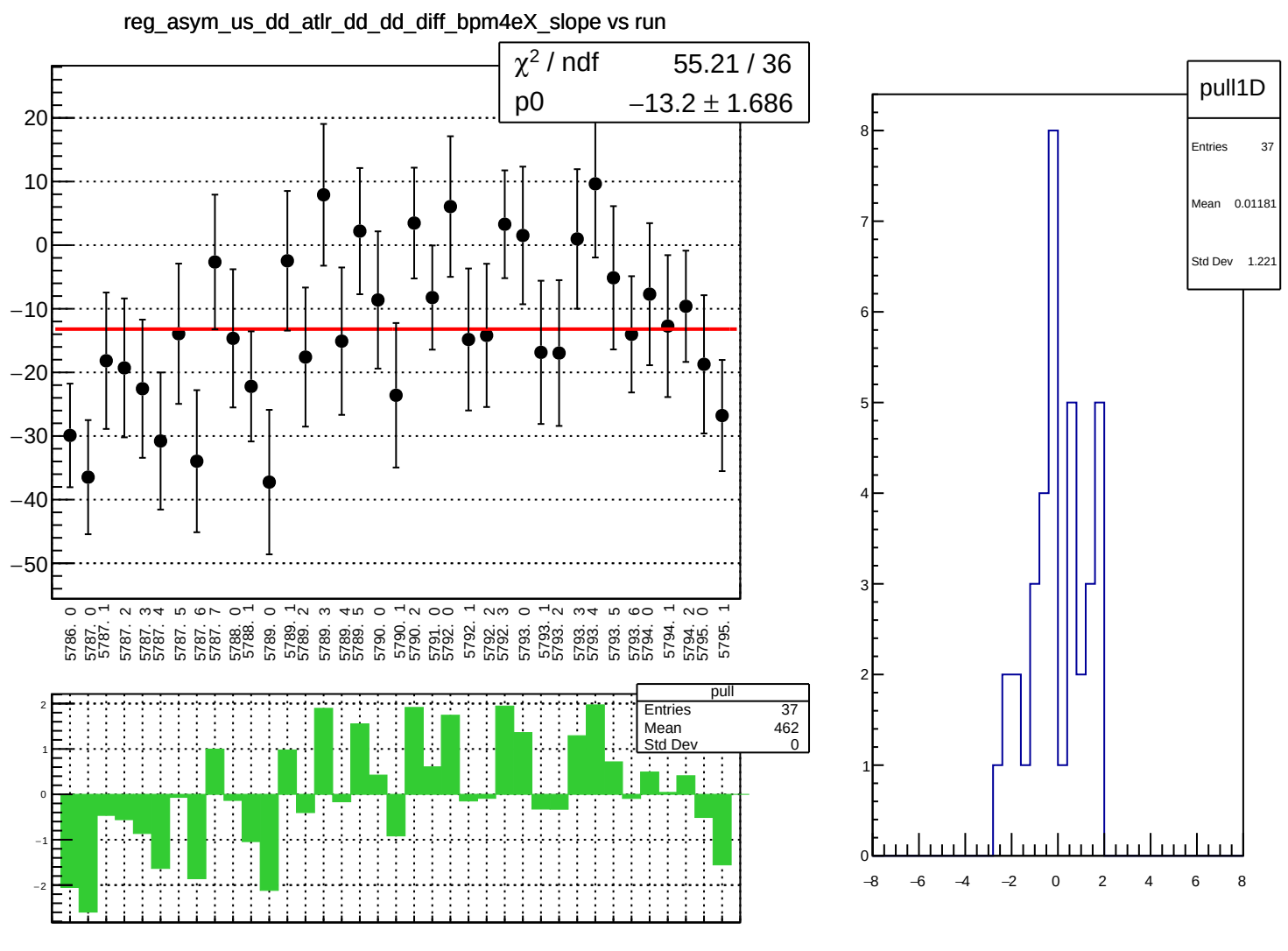

pull1D
Entries 37
Mean 0.008402
Std Dev 0.9443

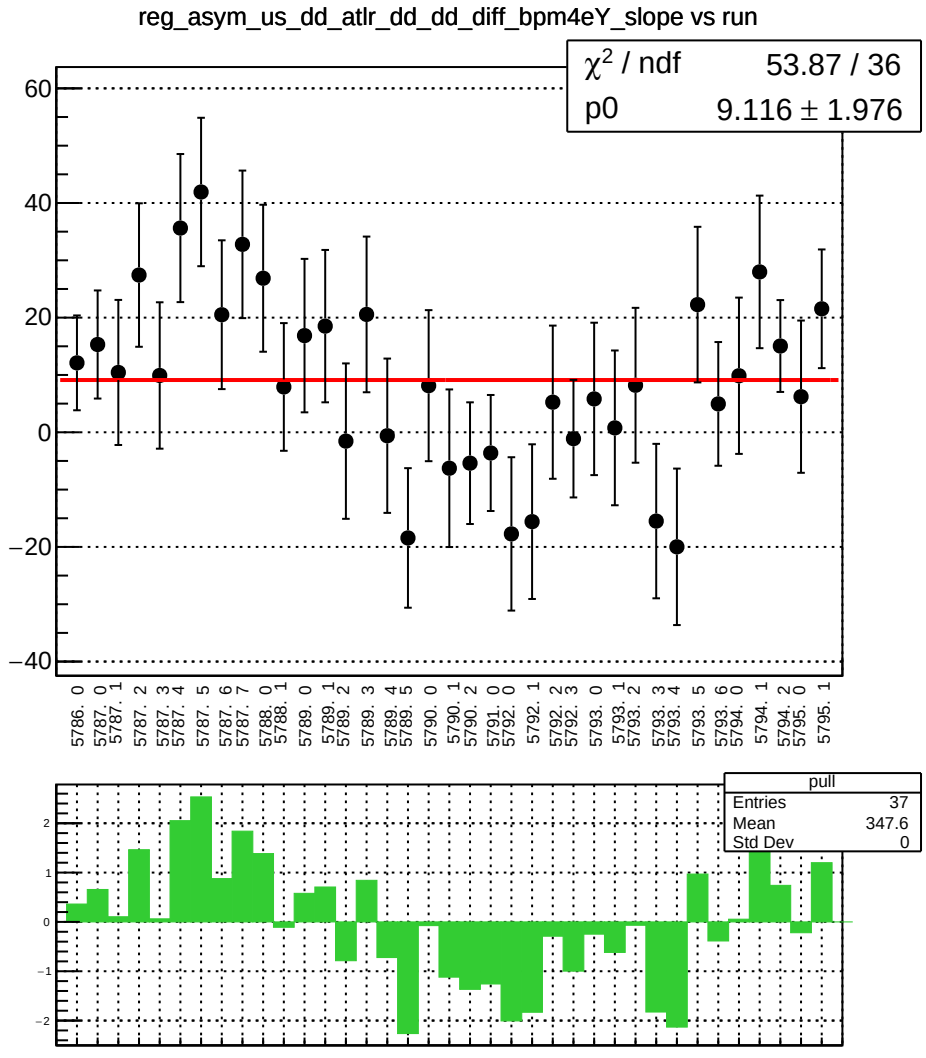

reg_asym_us_dd_atlr_dd_avg_diff_bpm12X_slope vs run
χ² / ndf 37.34 / 36
p0 6.769 ± 0.2255
pull
Entries 37
Mean −324.8
Std Dev 0
pull1D
Entries 37
Mean 0.002044
Std Dev 1.005

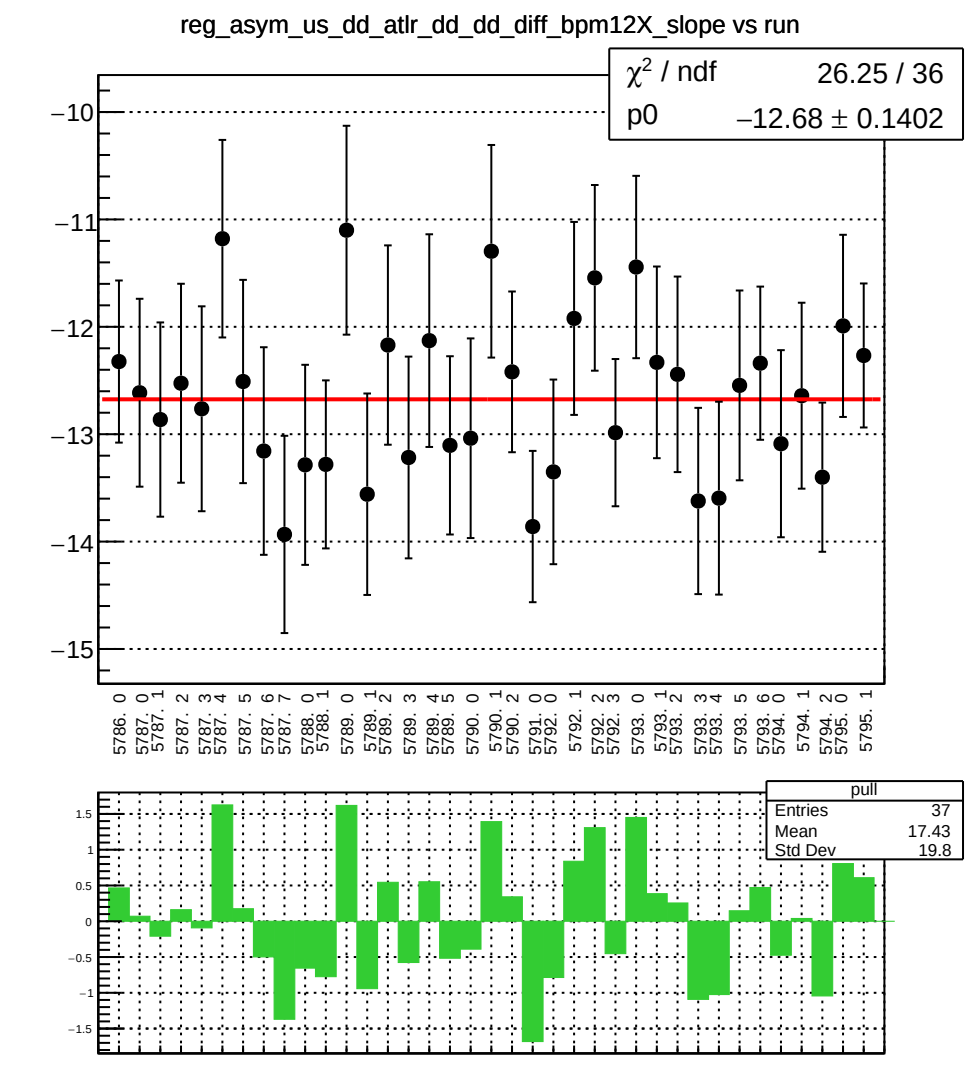

reg_asym_us_dd_atlr_dd_dd_diff_bpm1X_slope vs run
χ² / ndf 50.22 / 36
p0 −18.23 ± 1.176
10
0
−10
−20
−30
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 1863
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2

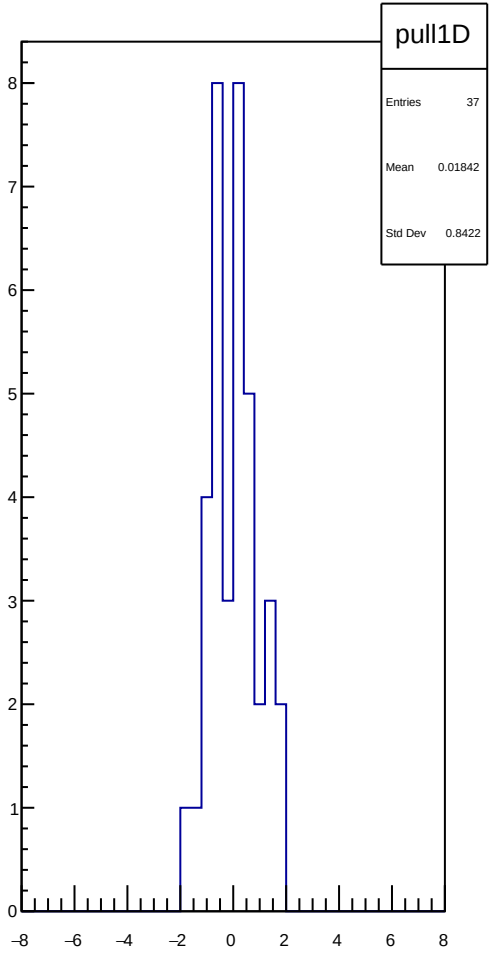

pull1D
Entries 37
Mean −0.00257
Std Dev 1.165
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

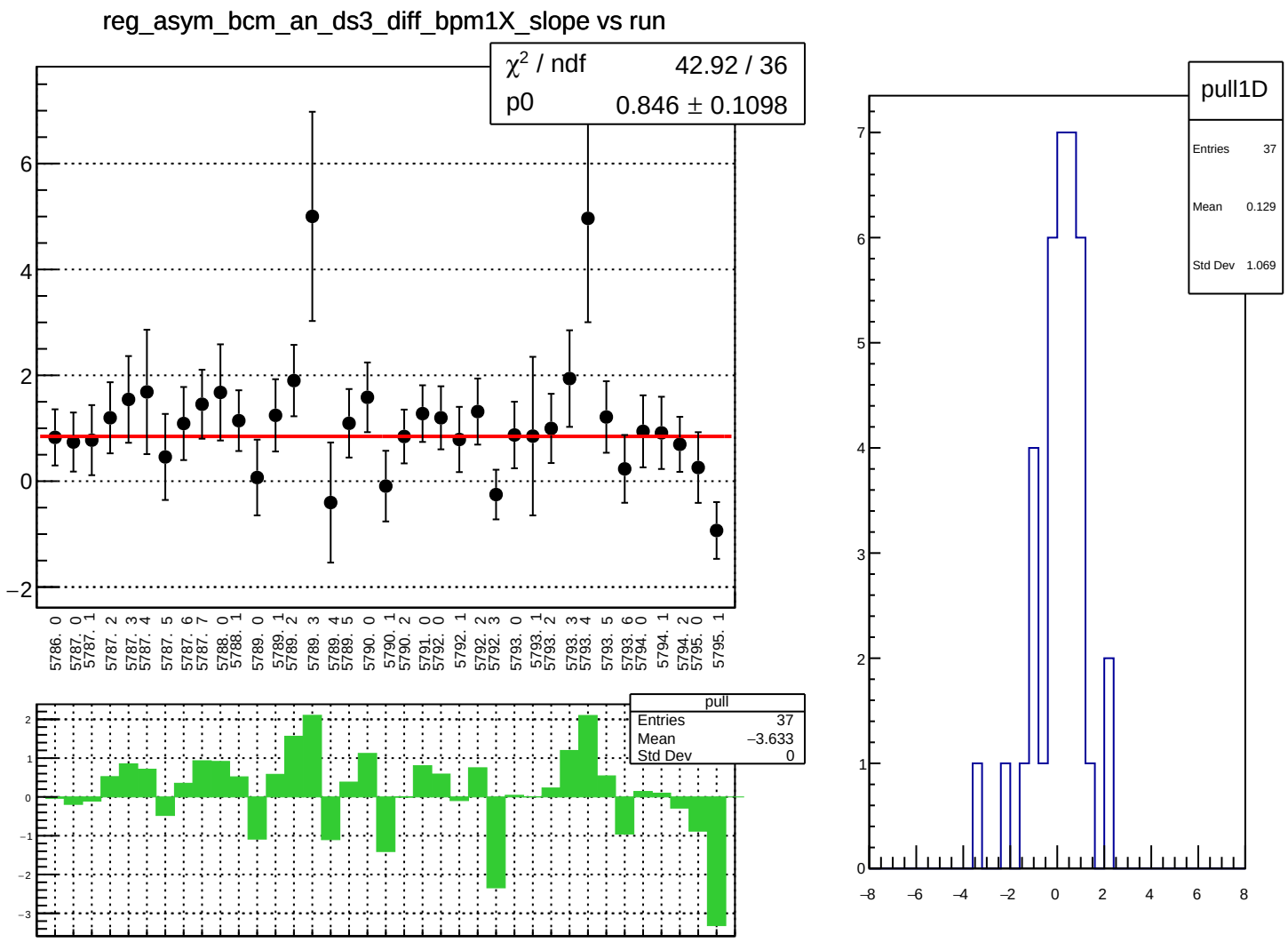

reg_asym_us_dd_atlr_dd_dd_diff_bpm4aY_slope vs run
χ² / ndf 51.61 / 36
p0 1.058 ± 1.803
pull
Entries 37
Mean 369.7
Std Dev 0
pull1D
Entries 37
Mean 0.01095
Std Dev 1.181

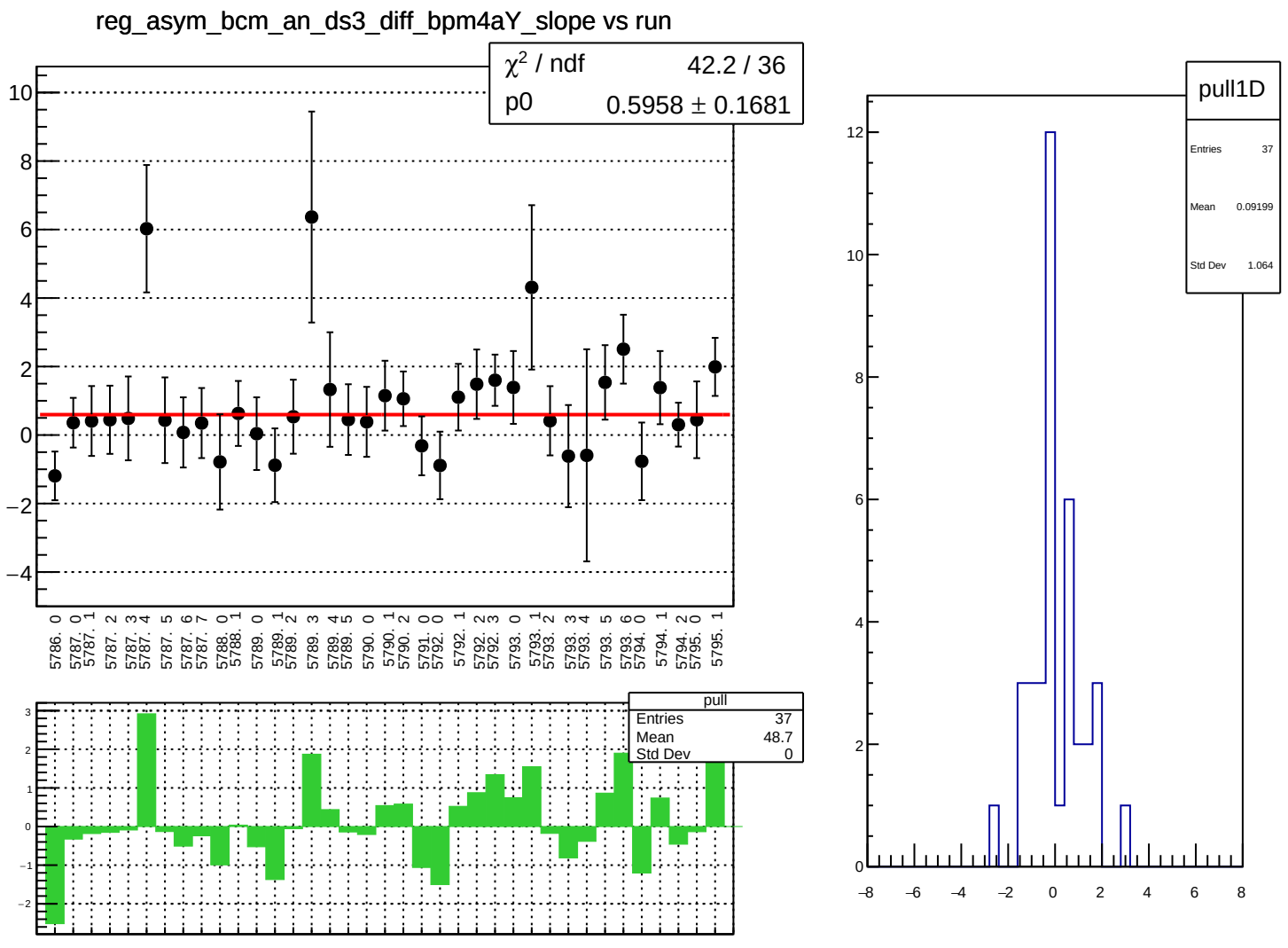

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eX_slope vs run
χ² / ndf 55.21 / 36
p0 −13.2 ± 1.686
20
10
0
−10
−20
−30
−40
−50
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 462
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.01181
Std Dev 1.221
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

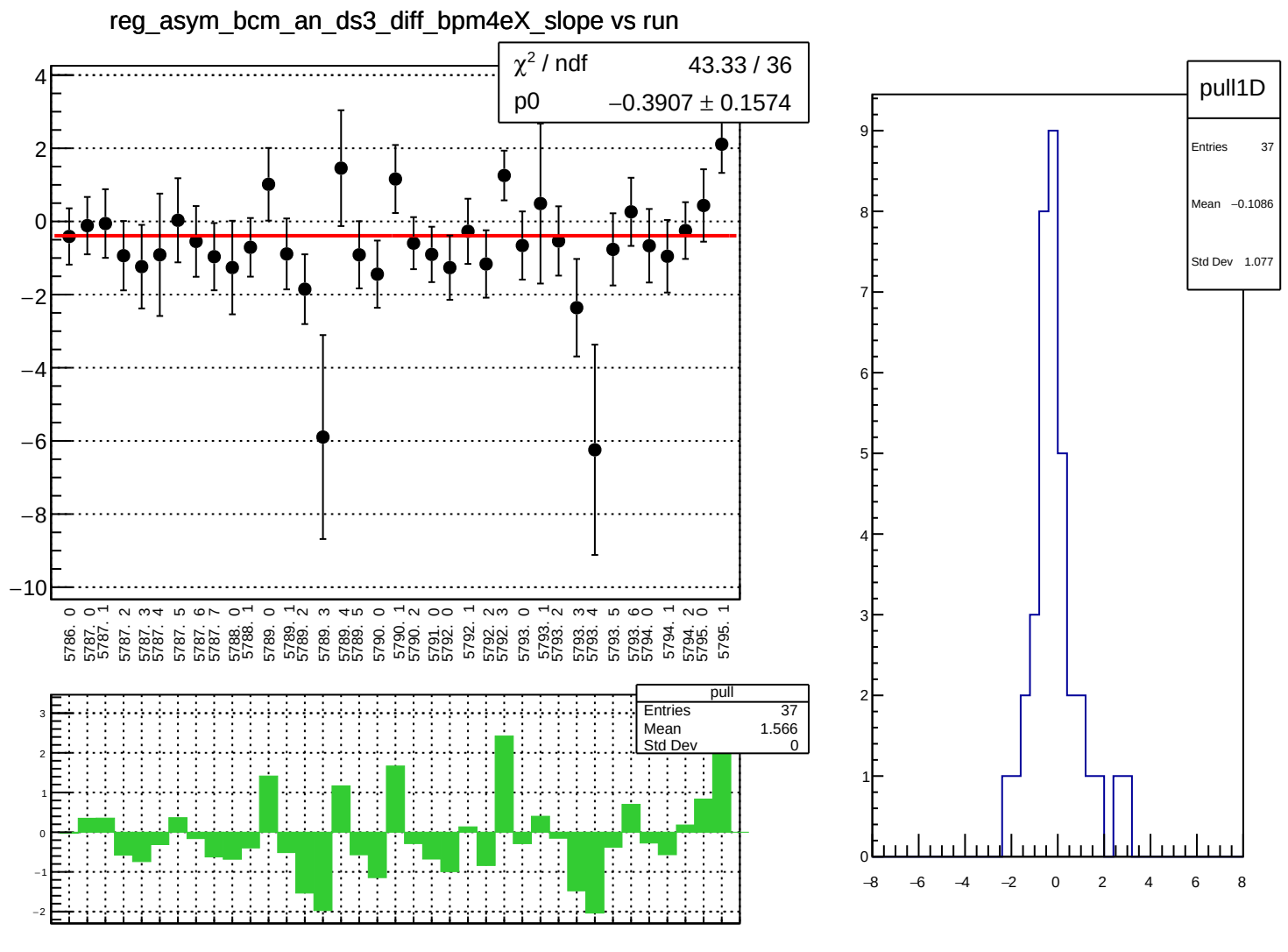

reg_asym_us_dd_atlr_dd_dd_diff_bpm4eY_slope vs run
χ² / ndf 53.87 / 36
p0 9.116 ± 1.976
60
40
20
0
−20
−40
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 347.6
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean −0.01274
Std Dev 1.207
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

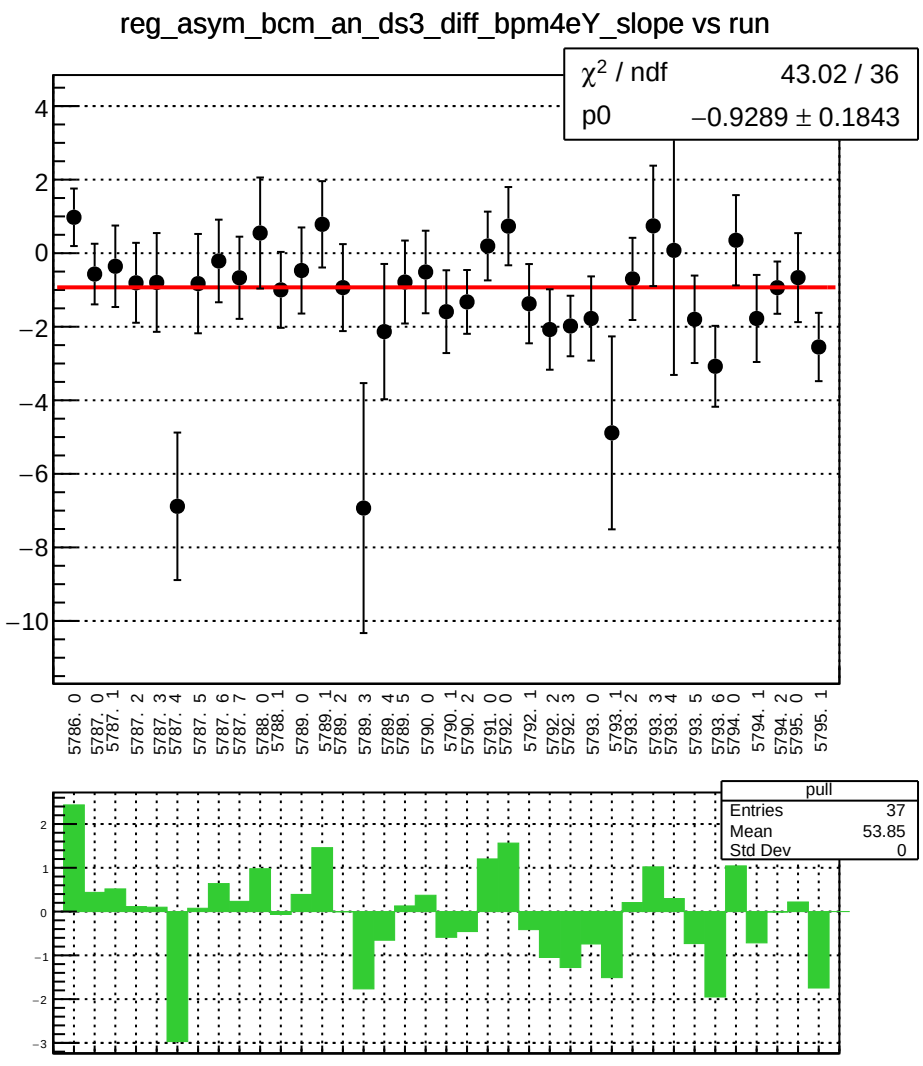

reg_asym_us_dd_atlr_dd_dd_diff_bpm12X_slope vs run
χ² / ndf 26.25 / 36
p0 −12.68 ± 0.1402
−10
−11
−12
−13
−14
−15
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 17.43
Std Dev 19.8
1.5
1
0.5
0
−0.5
−1
−1.5

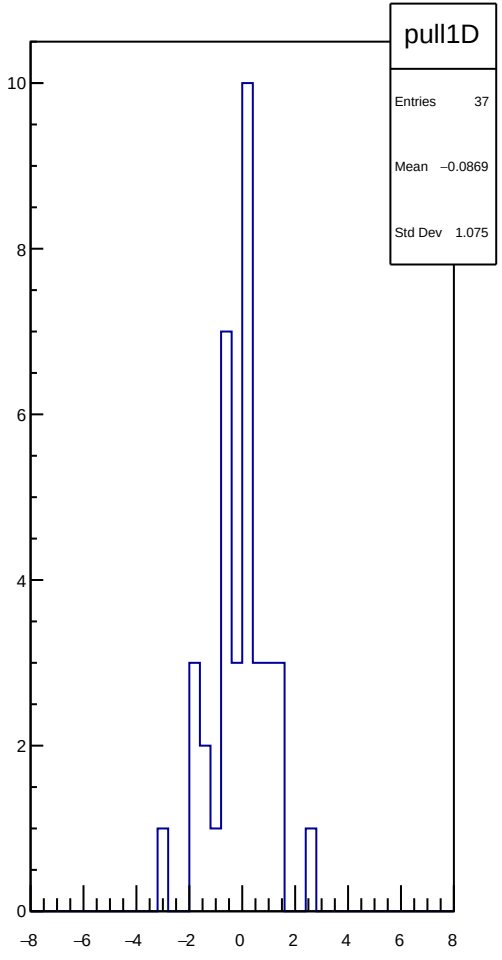

pull1D
Entries 37
Mean 0.01842
Std Dev 0.8422
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

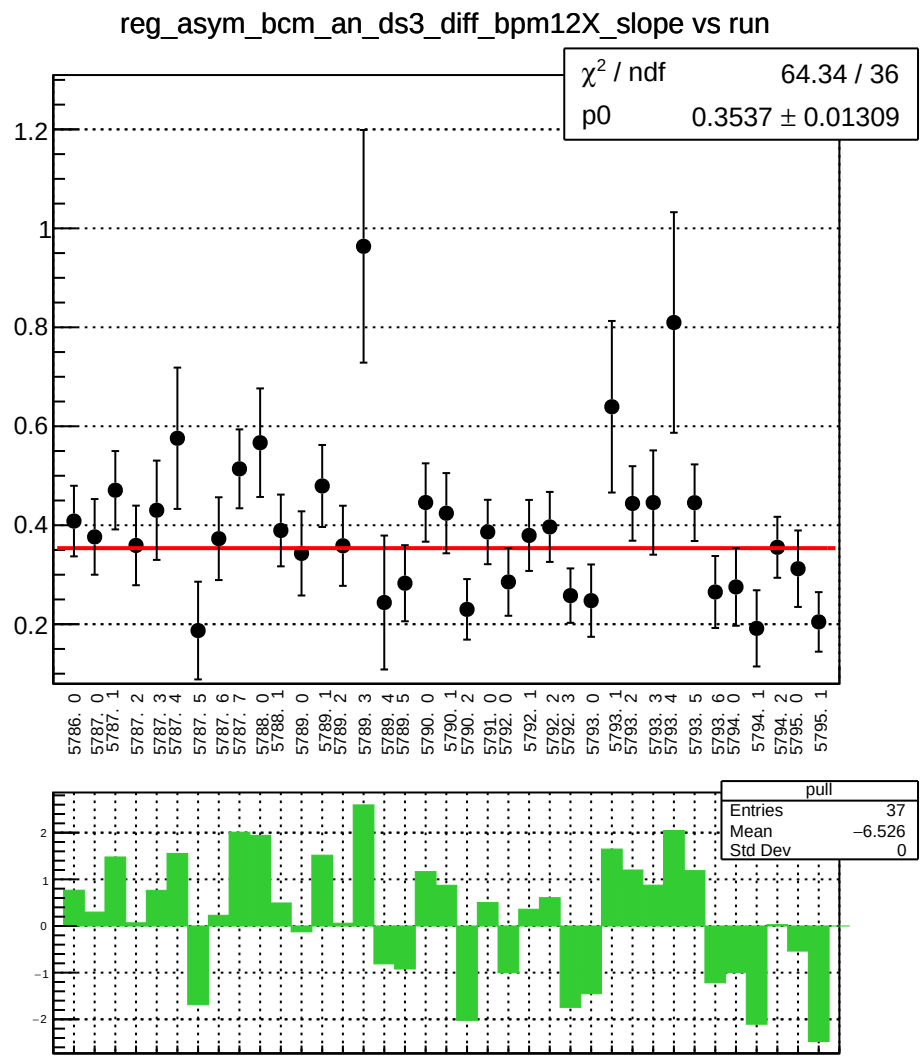

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs run
χ² / ndf 42.92 / 36
p0 0.846 ± 0.1098
pull
Entries 37
Mean −3.633
Std Dev 0
pull1D
Entries 37
Mean 0.129
Std Dev 1.069

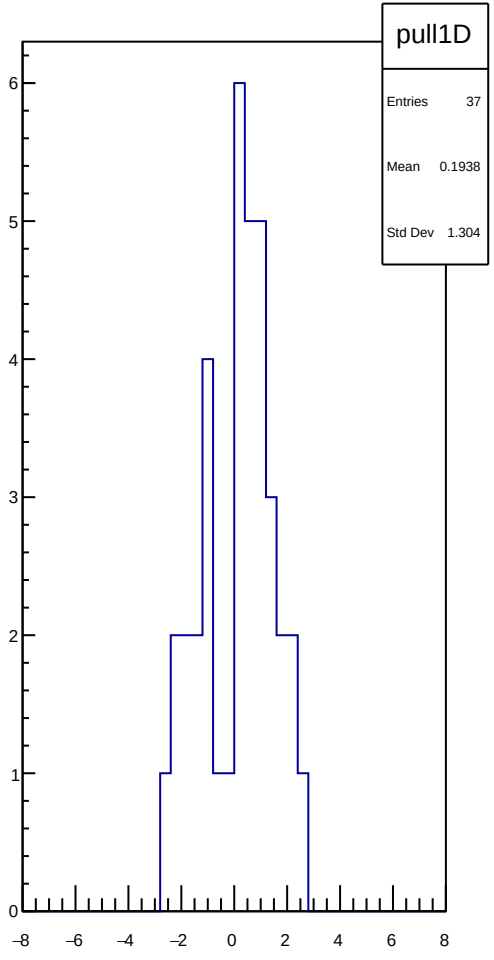

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs run
χ² / ndf 42.2 / 36
p0 0.5958 ± 0.1681
pull
Entries 37
Mean 48.7
Std Dev 0
pull1D
Entries 37
Mean 0.09199
Std Dev 1.064

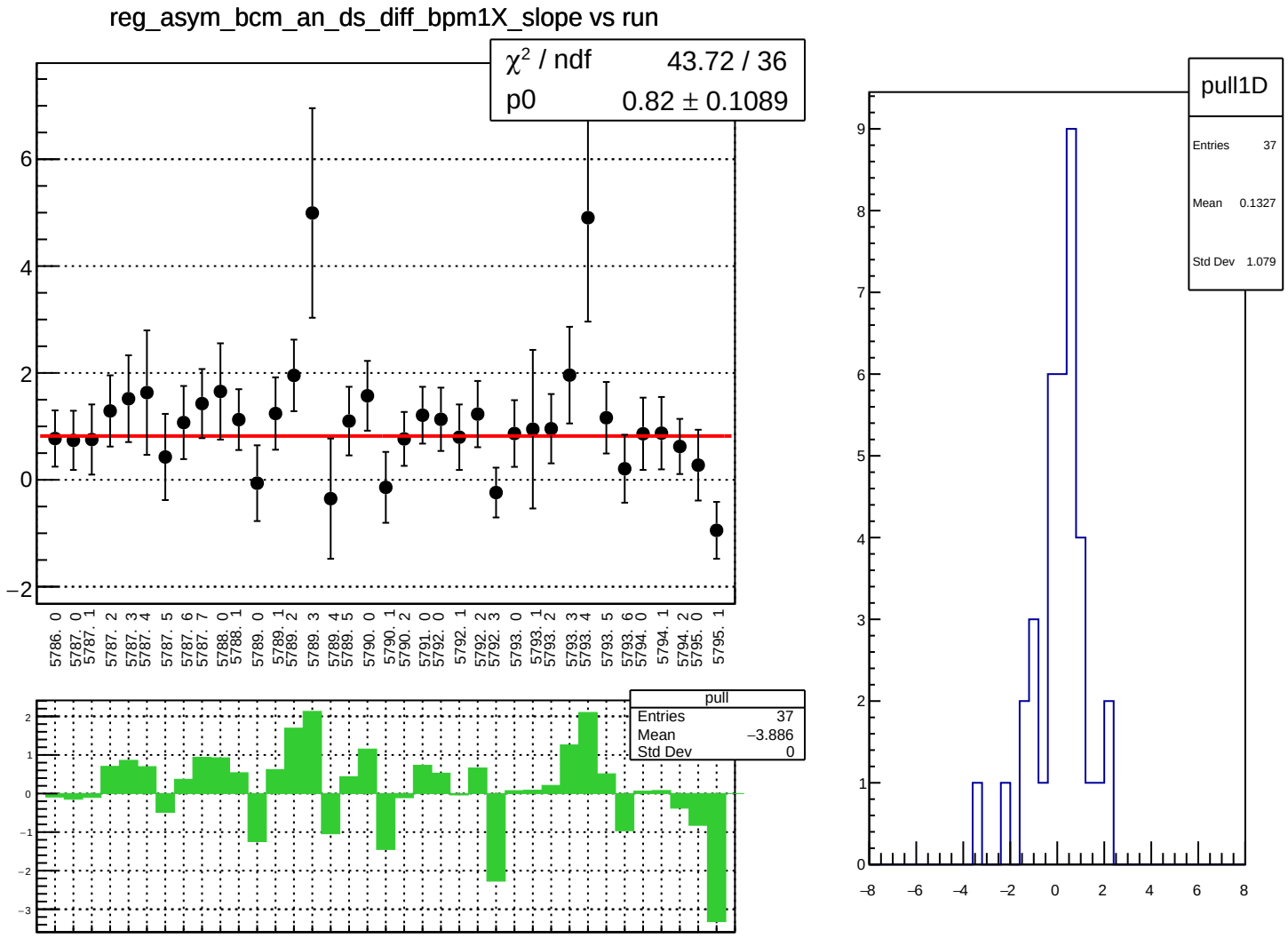

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs run
χ² / ndf 43.33 / 36
p0 −0.3907 ± 0.1574
pull
Entries 37
Mean 1.566
Std Dev 0
pull1D
Entries 37
Mean −0.1086
Std Dev 1.077

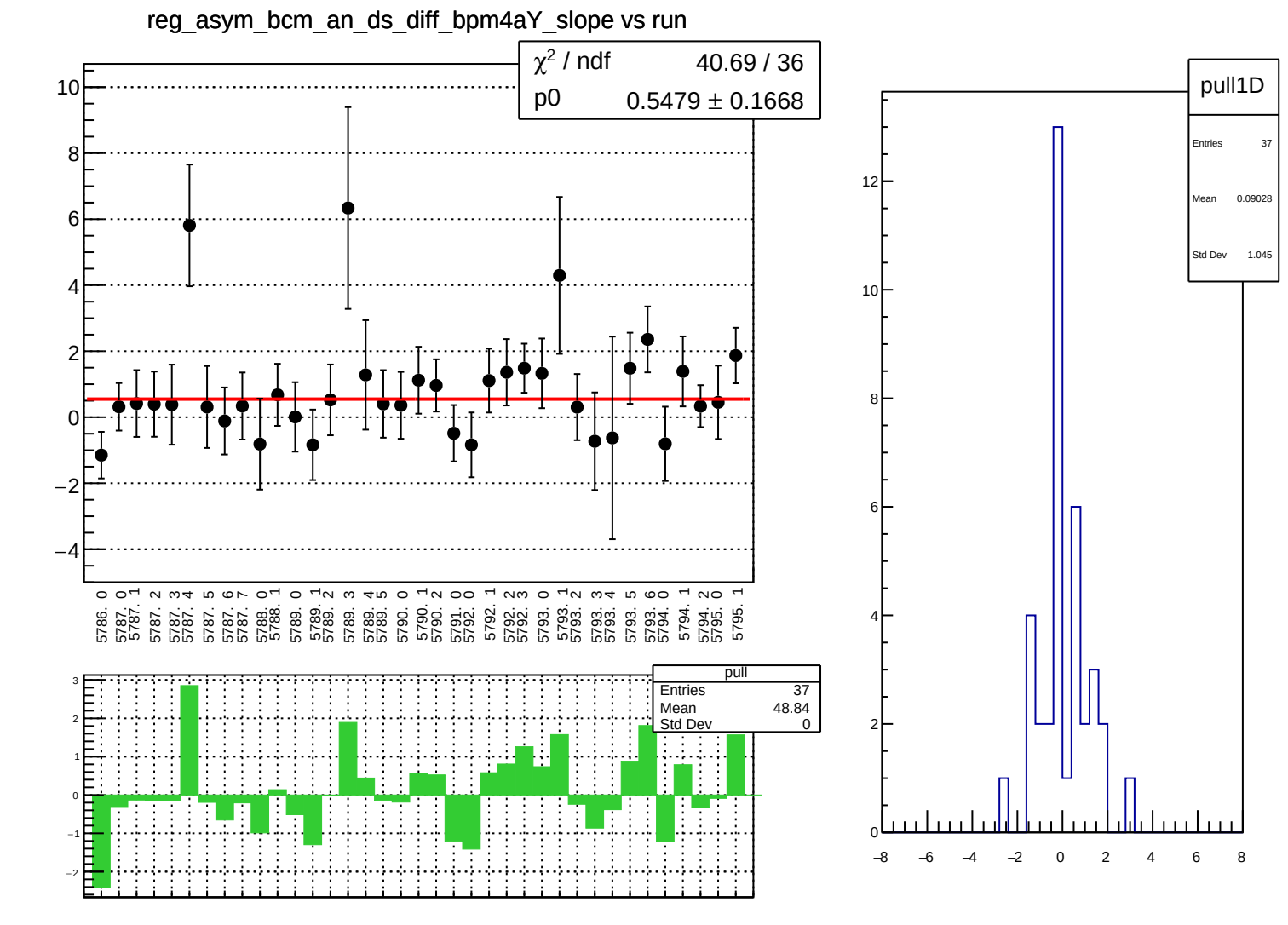

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs run
χ² / ndf 43.02 / 36
p0 −0.9289 ± 0.1843
pull
Entries 37
Mean 53.85
Std Dev 0

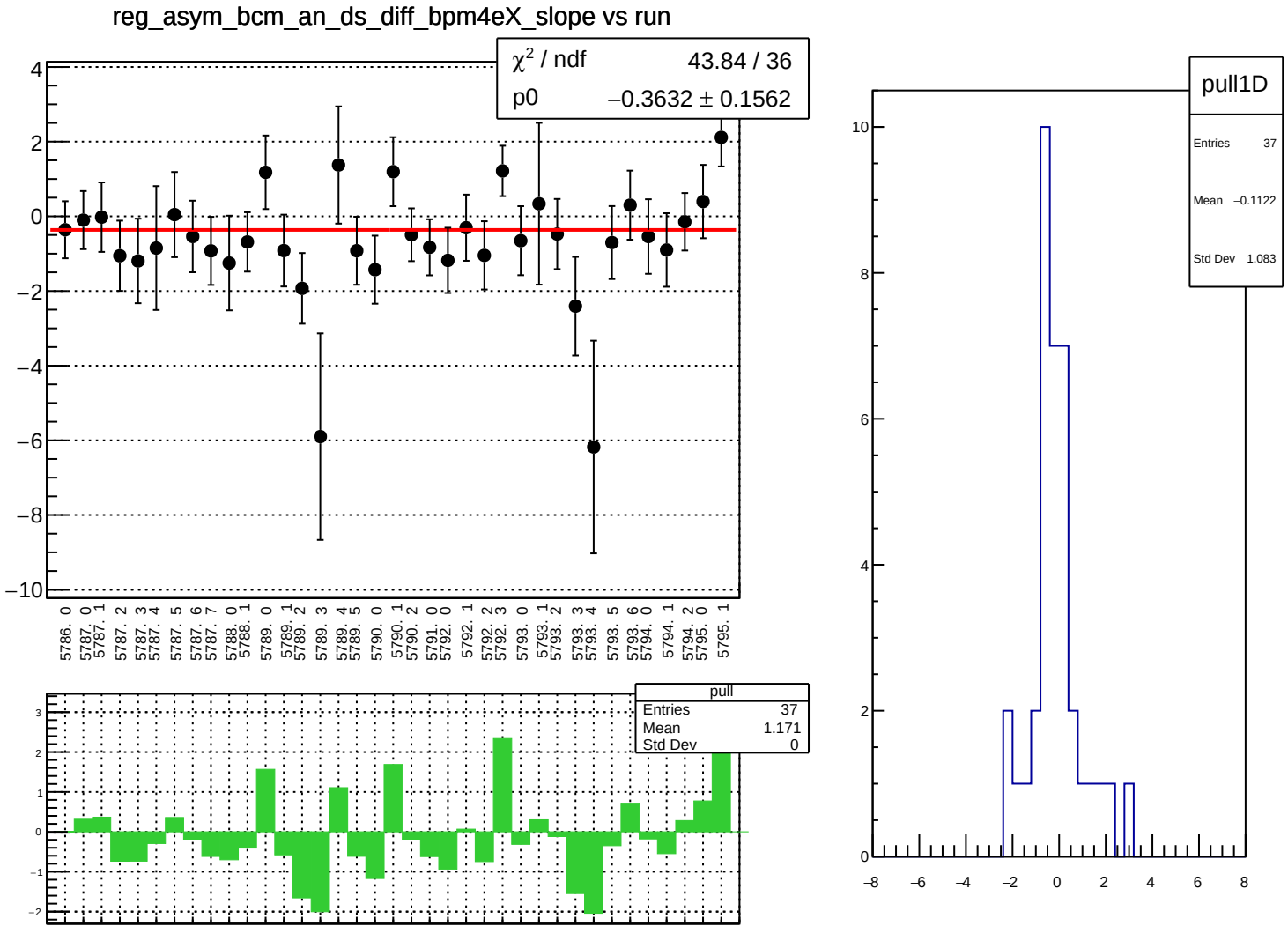

pull1D
Entries 37
Mean −0.0869
Std Dev 1.075

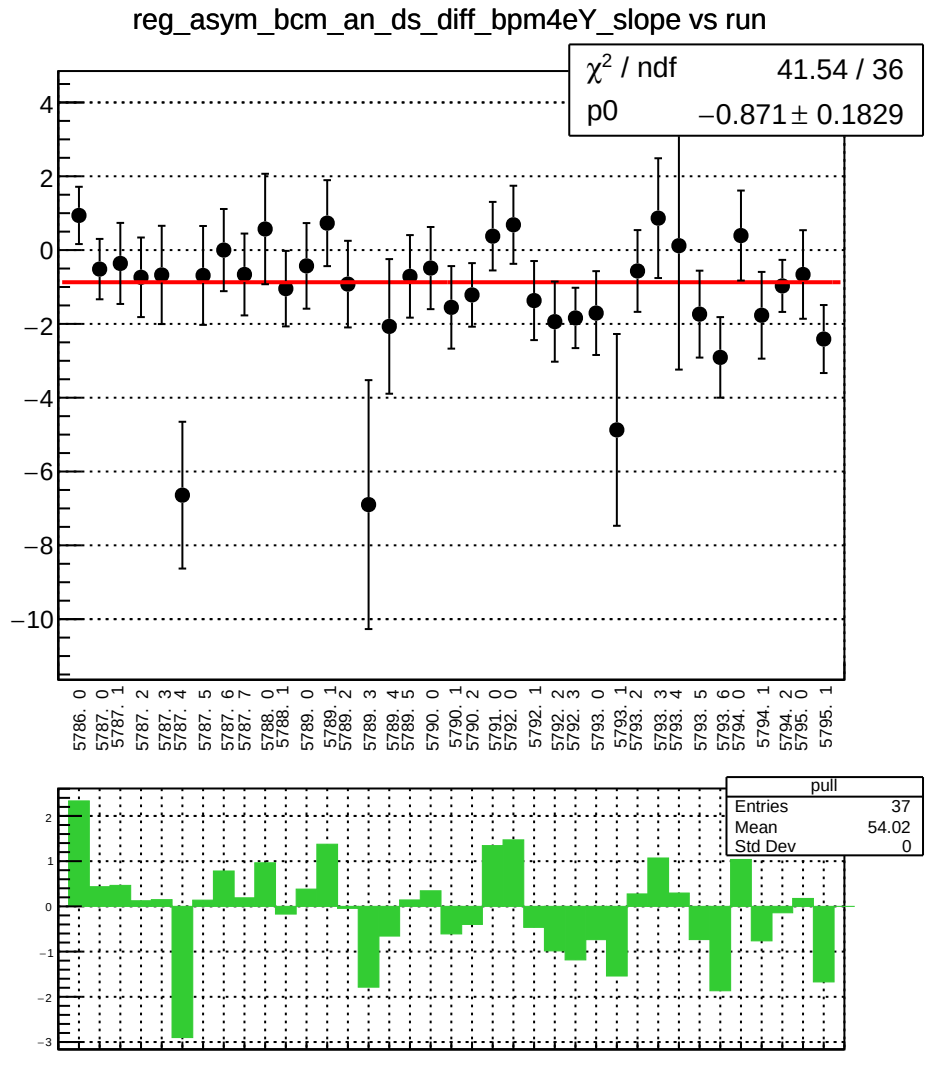

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs run
χ² / ndf 64.34 / 36
p0 0.3537 ± 0.01309
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.526
Std Dev 0
2
1
0
−1
−2

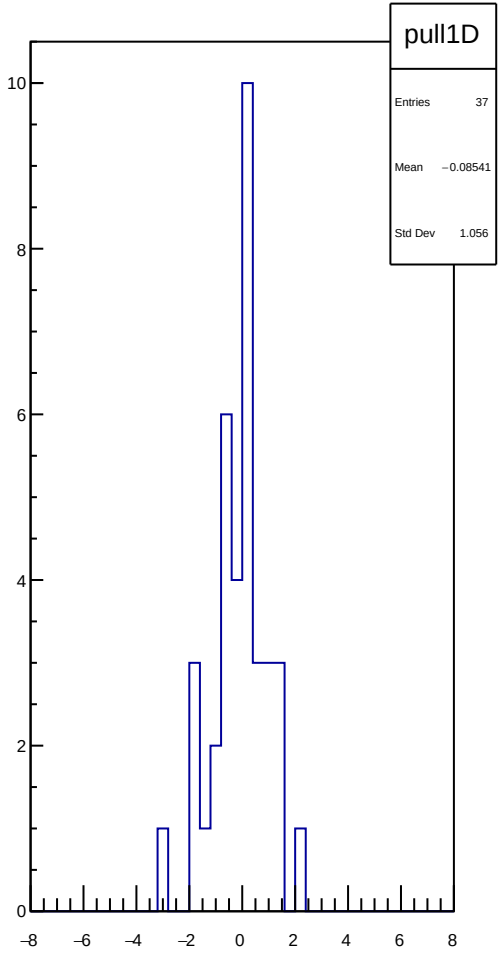

pull1D
Entries 37
Mean 0.1938
Std Dev 1.304
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

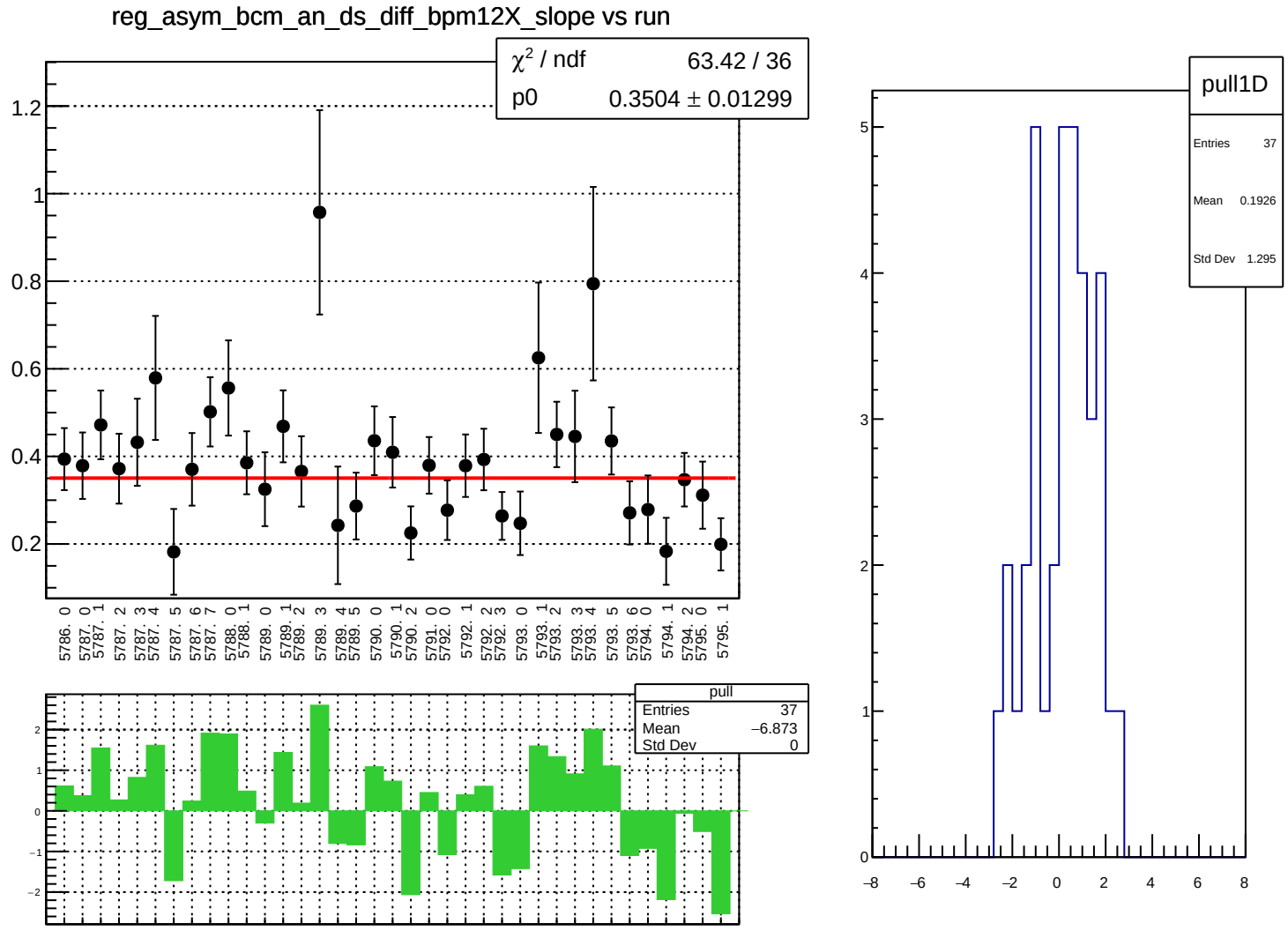

reg_asym_bcm_an_ds_diff_bpm1X_slope vs run
χ² / ndf 43.72 / 36
p0 0.82 ± 0.1089
pull
Entries 37
Mean −3.886
Std Dev 0
pull1D
Entries 37
Mean 0.1327
Std Dev 1.079

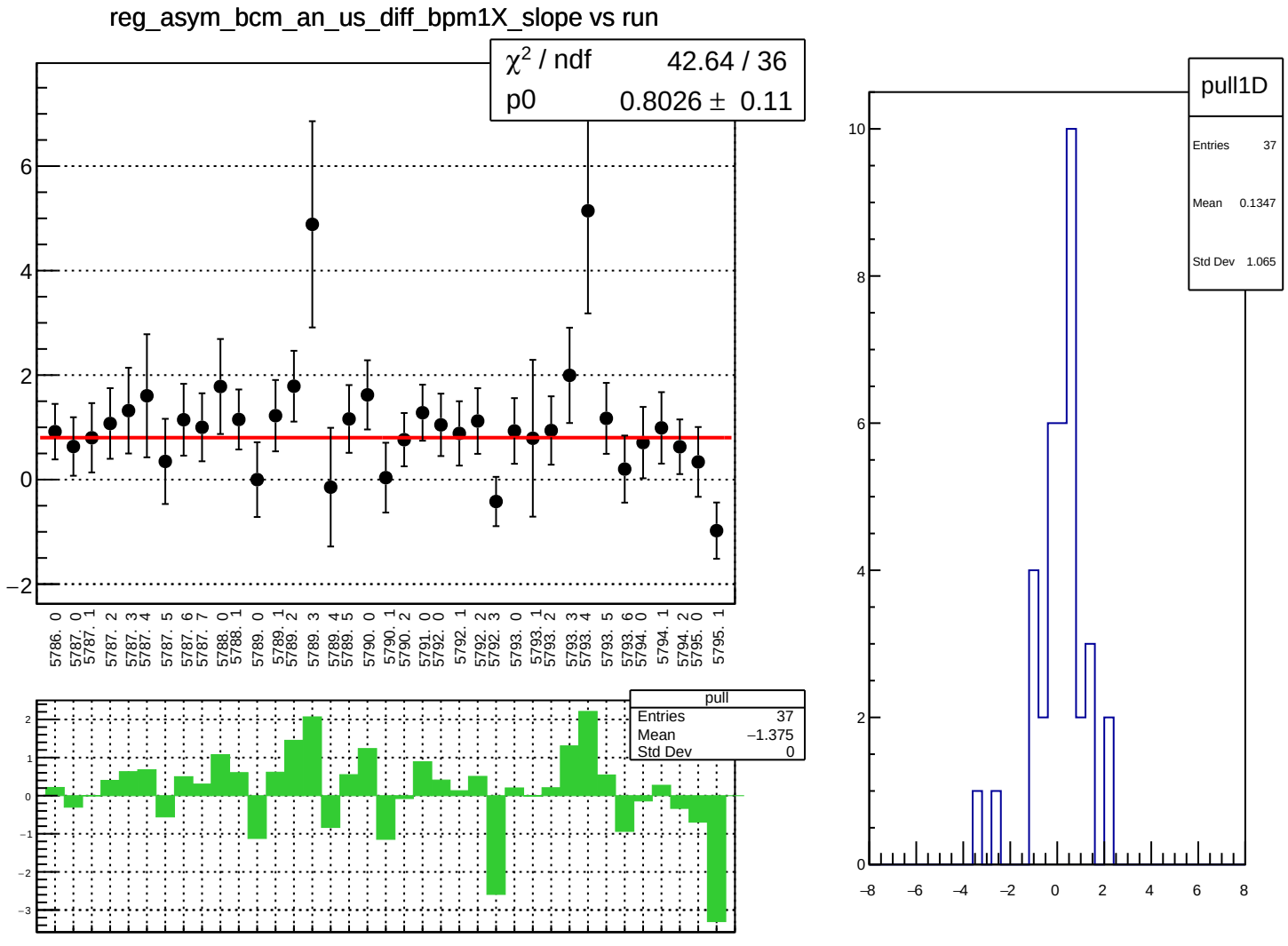

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs run
χ² / ndf 40.69 / 36
p0 0.5479 ± 0.1668
10
8
6
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 48.84
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.09028
Std Dev 1.045
12
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

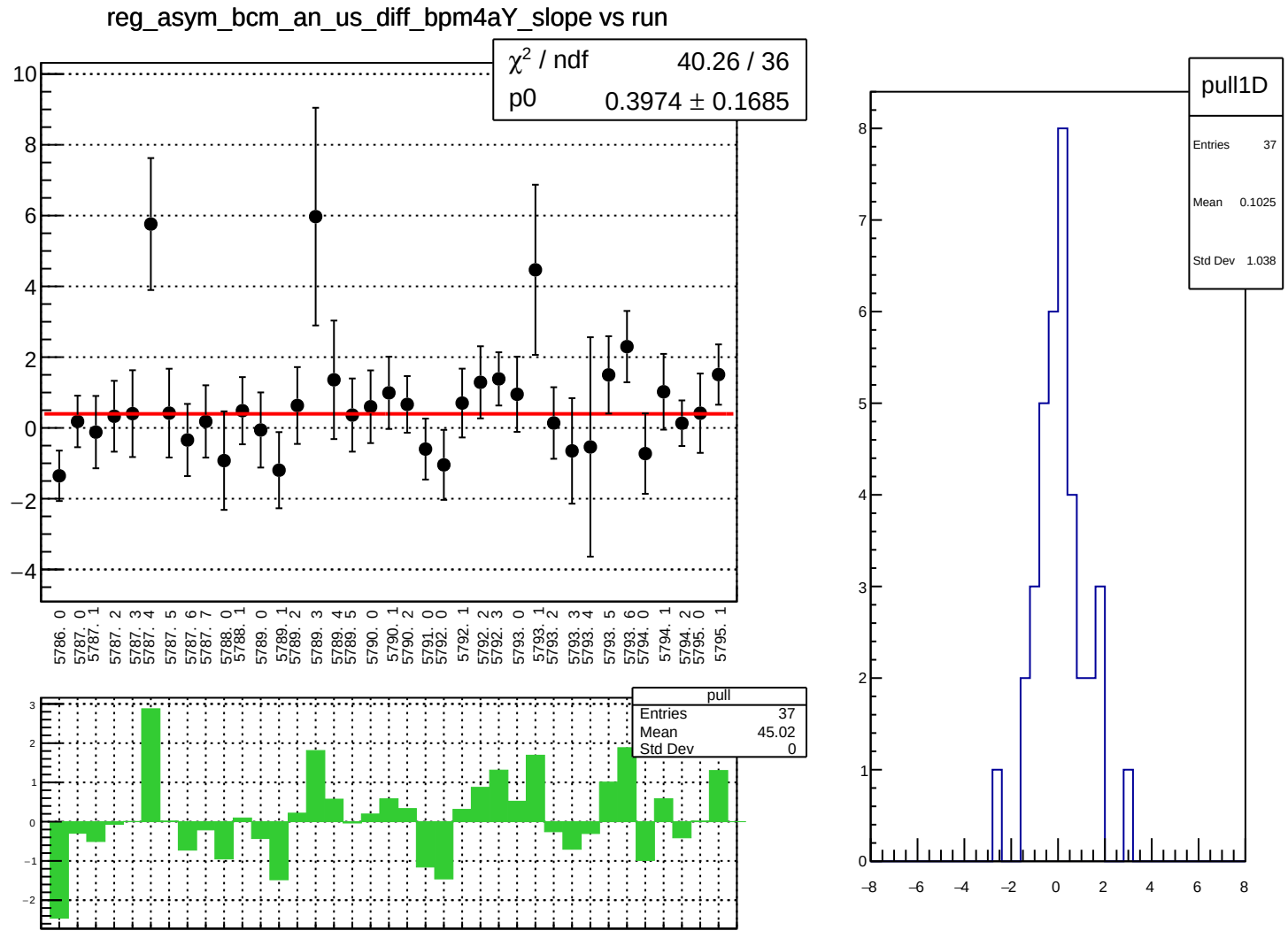

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs run
χ² / ndf 43.84 / 36
p0 −0.3632 ± 0.1562
pull
Entries 37
Mean 1.171
Std Dev 0
pull1D
Entries 37
Mean −0.1122
Std Dev 1.083

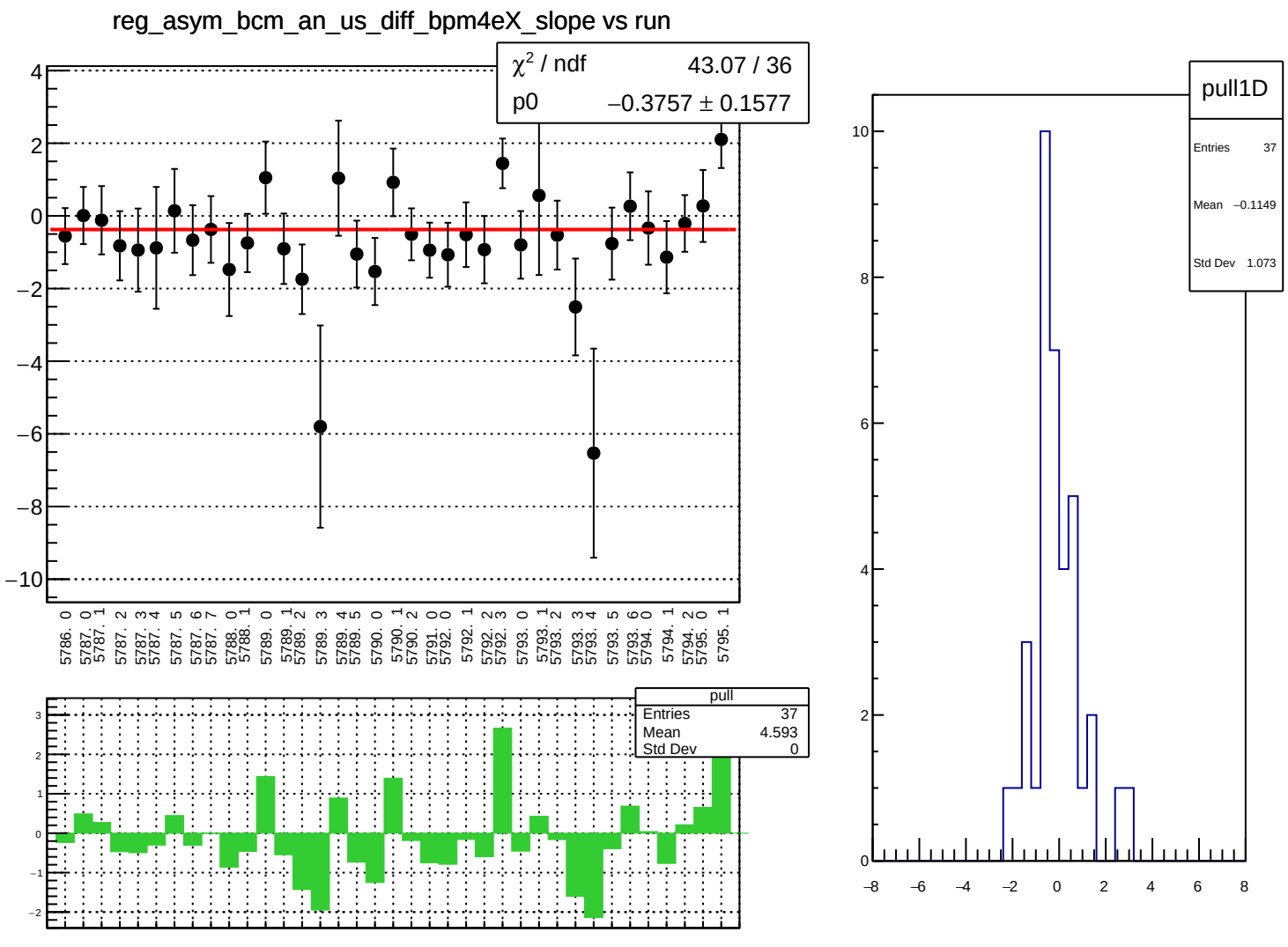

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs run
χ² / ndf 41.54 / 36
p0 −0.871 ± 0.1829
pull
Entries 37
Mean 54.02
Std Dev 0

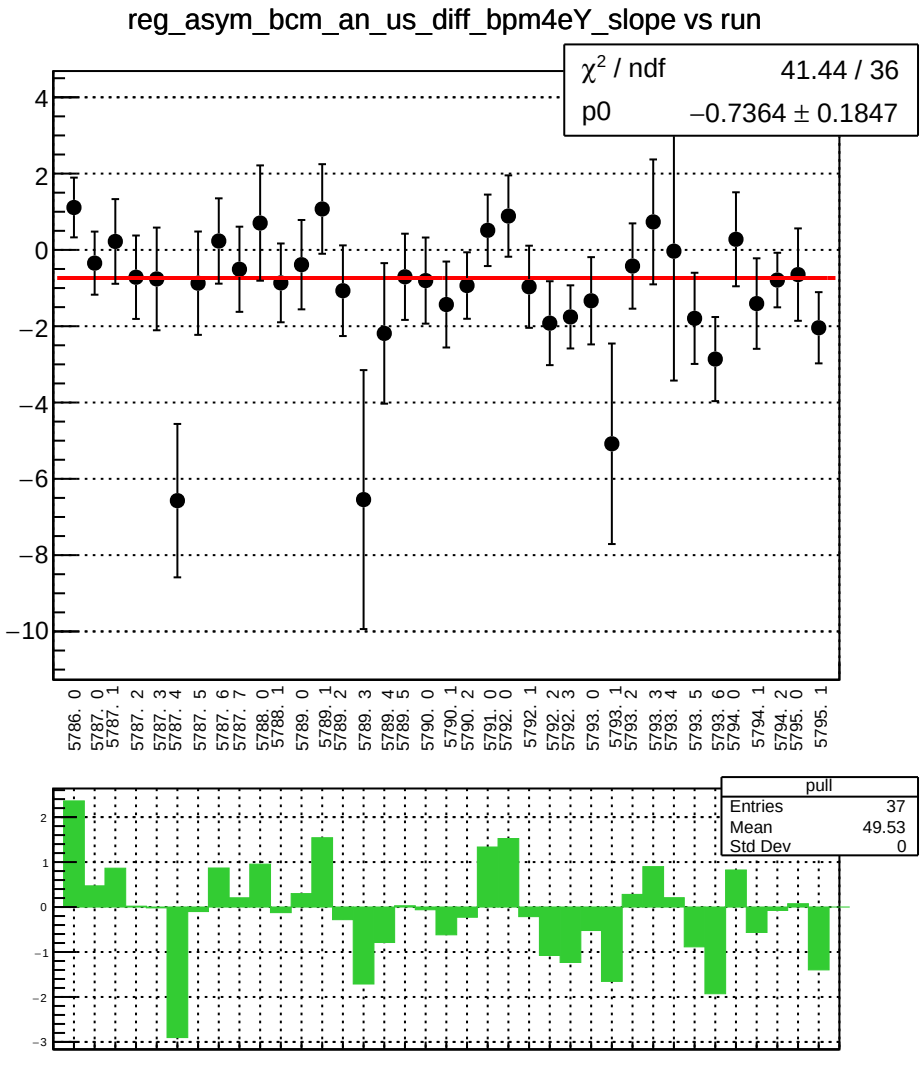

pull1D
Entries 37
Mean −0.08541
Std Dev 1.056

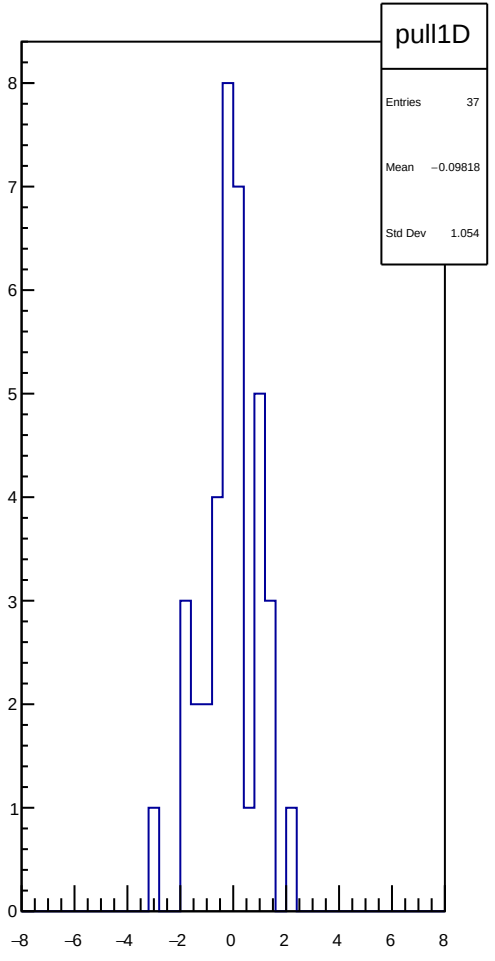

reg_asym_bcm_an_ds_diff_bpm12X_slope vs run
χ² / ndf 63.42 / 36
p0 0.3504 ± 0.01299
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −6.873
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1926
Std Dev 1.295
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

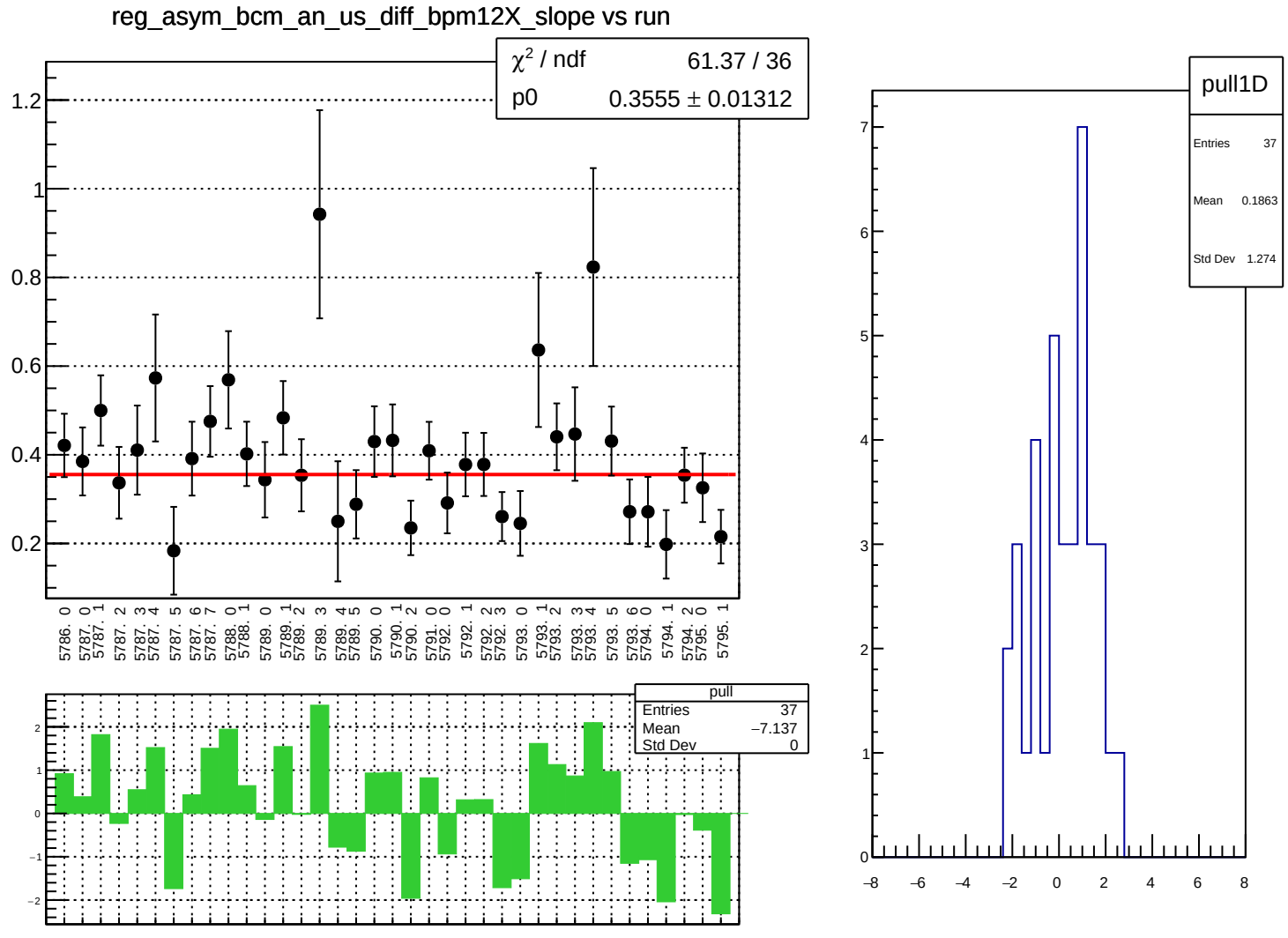

reg_asym_bcm_an_us_diff_bpm1X_slope vs run
χ² / ndf 42.64 / 36
p0 0.8026 ± 0.11
pull
Entries 37
Mean −1.375
Std Dev 0
pull1D
Entries 37
Mean 0.1347
Std Dev 1.065

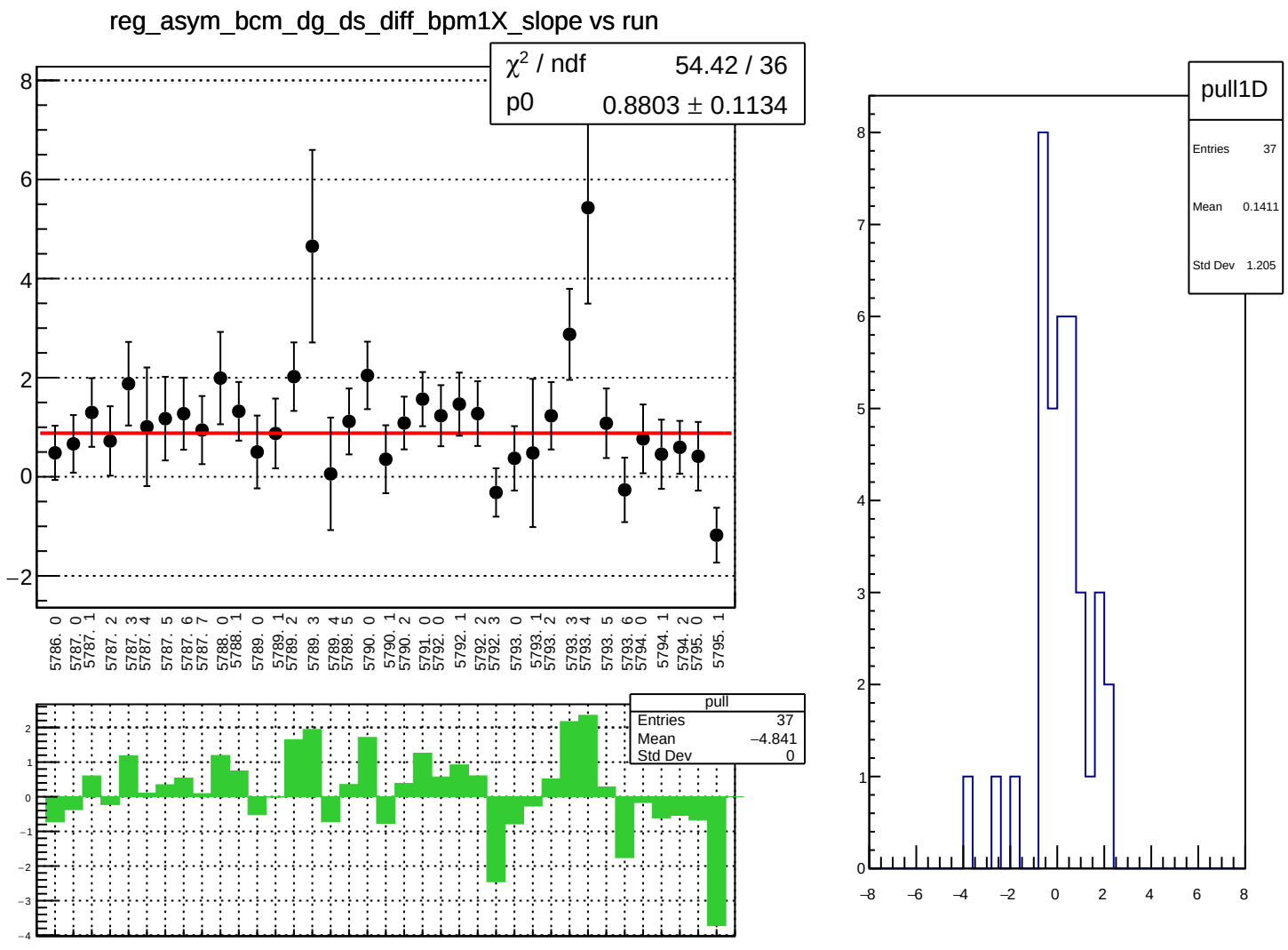

reg_asym_bcm_an_us_diff_bpm4aY_slope vs run
χ² / ndf 40.26 / 36
p0 0.3974 ± 0.1685
pull
Entries 37
Mean 45.02
Std Dev 0
pull1D
Entries 37
Mean 0.1025
Std Dev 1.038

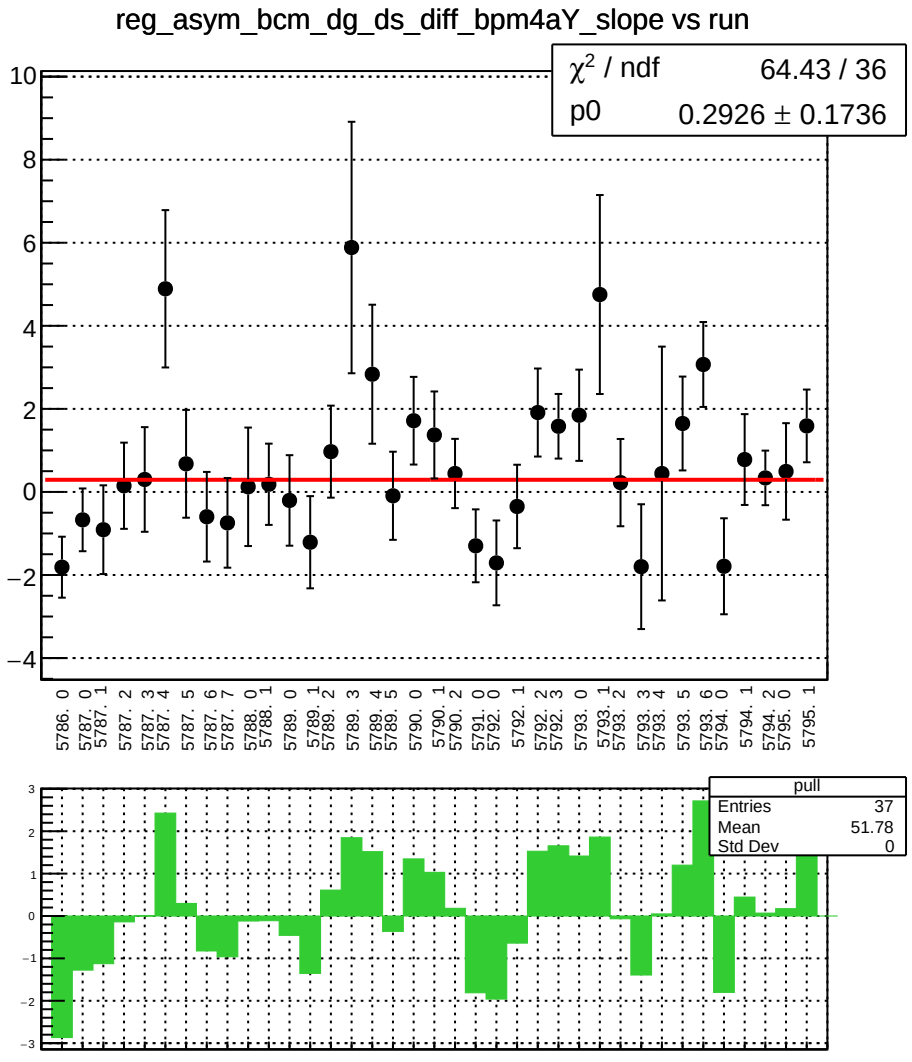

reg_asym_bcm_an_us_diff_bpm4eX_slope vs run
χ² / ndf 43.07 / 36
p0 −0.3757 ± 0.1577
pull
Entries 37
Mean 4.593
Std Dev 0
pull1D
Entries 37
Mean −0.1149
Std Dev 1.073

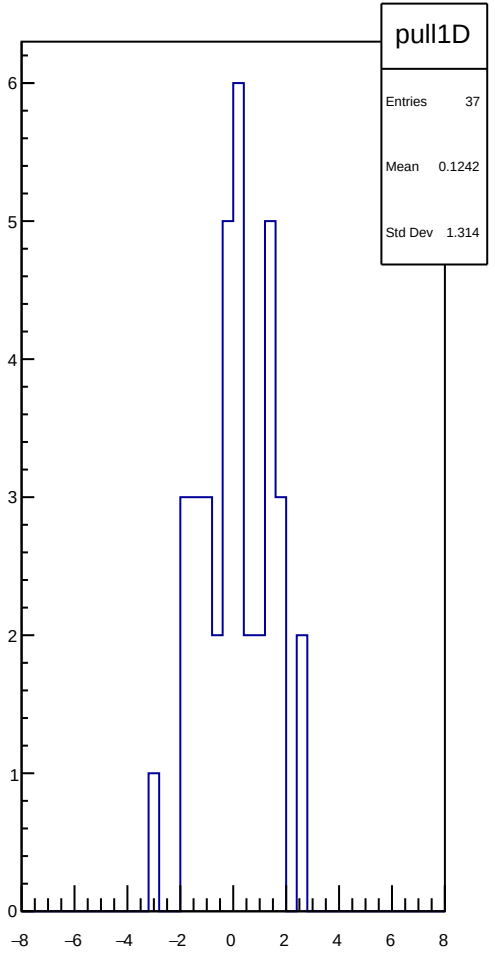

reg_asym_bcm_an_us_diff_bpm4eY_slope vs run
χ² / ndf 41.44 / 36
p0 −0.7364 ± 0.1847
pull
Entries 37
Mean 49.53
Std Dev 0

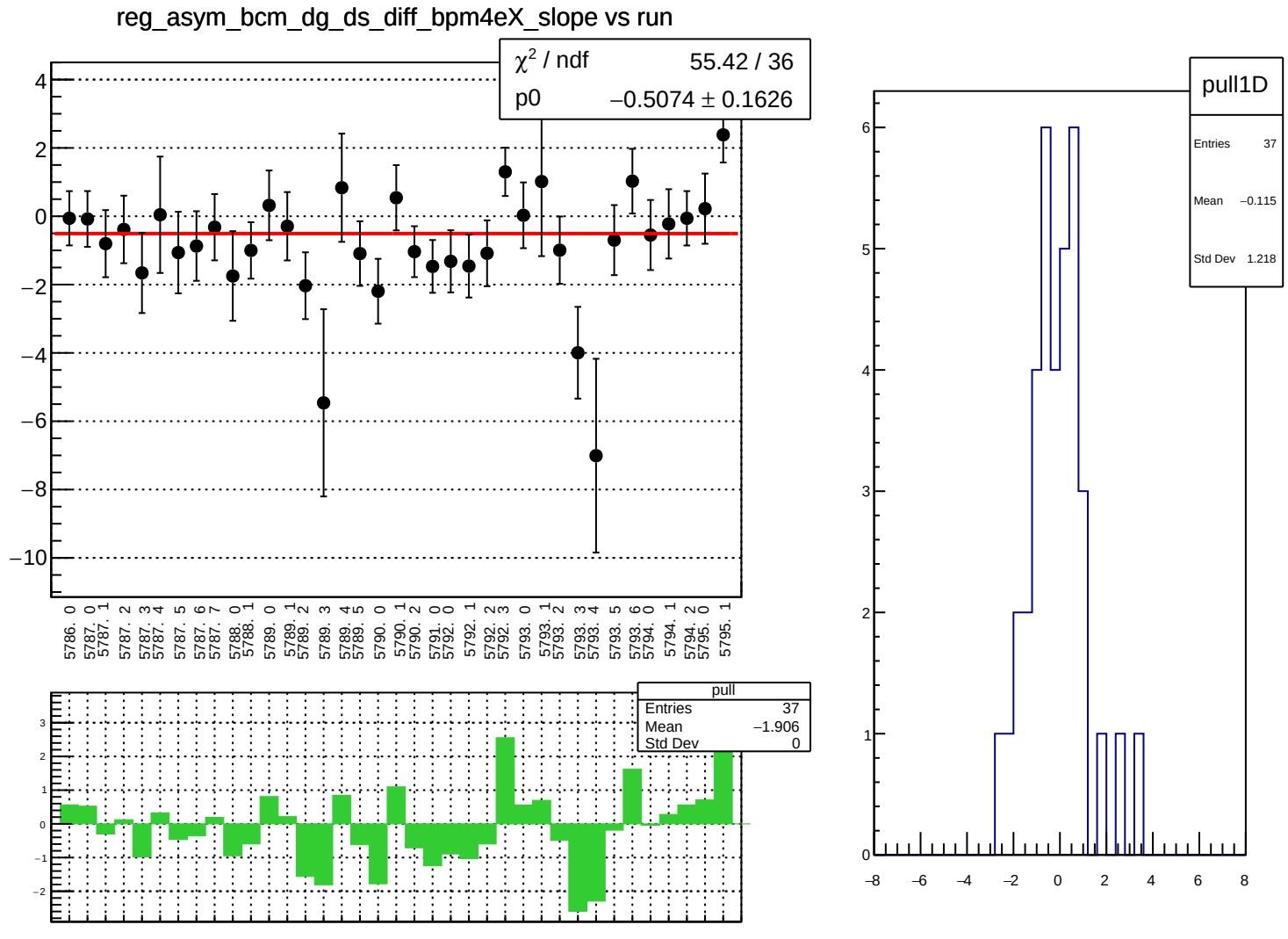

pull1D
Entries 37
Mean −0.09818
Std Dev 1.054

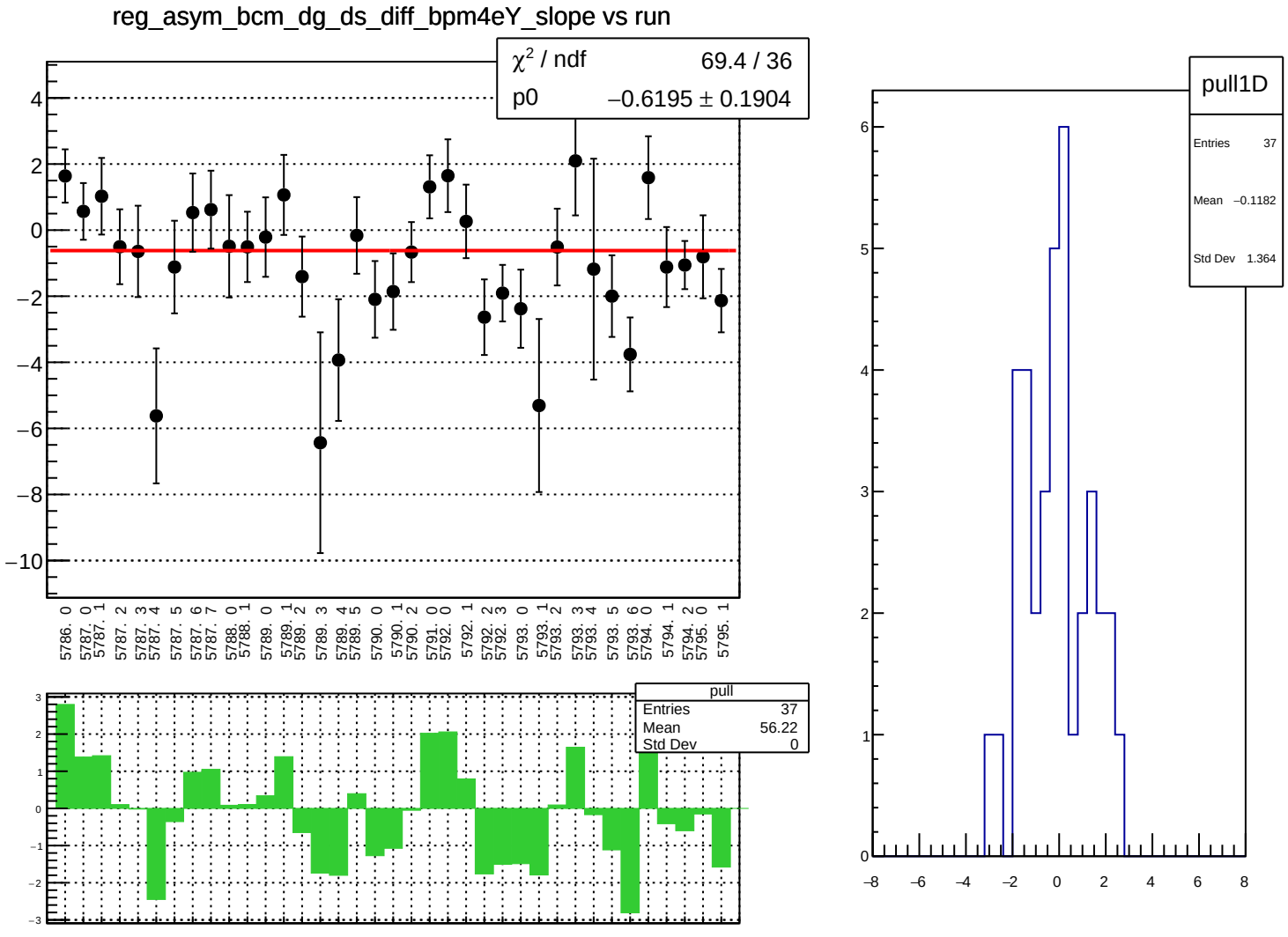

reg_asym_bcm_an_us_diff_bpm12X_slope vs run
χ² / ndf 61.37 / 36
p0 0.3555 ± 0.01312
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −7.137
Std Dev 0
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.1863
Std Dev 1.274
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

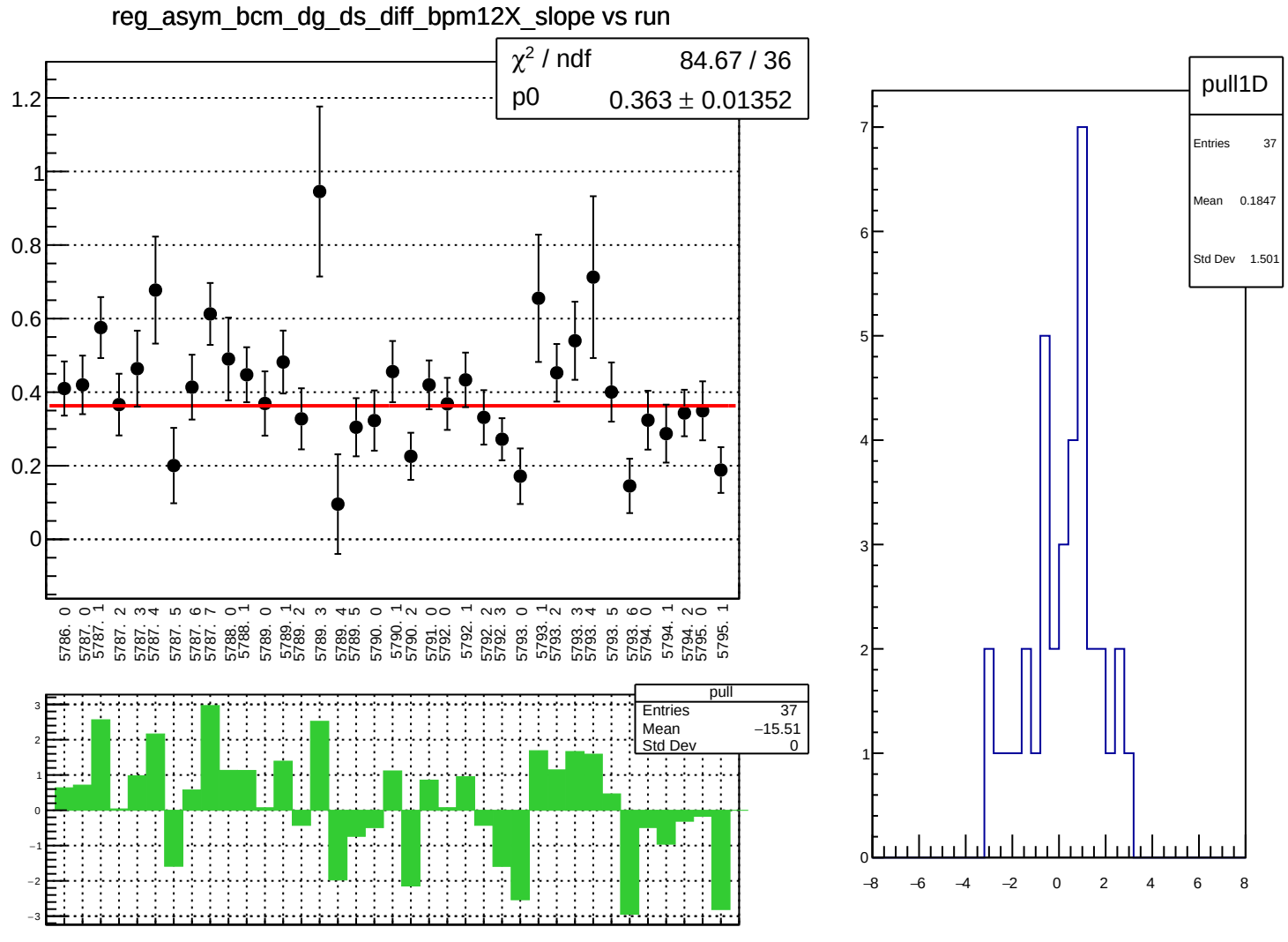

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs run
χ² / ndf 54.42 / 36
p0 0.8803 ± 0.1134
pull
Entries 37
Mean −4.841
Std Dev 0
pull1D
Entries 37
Mean 0.1411
Std Dev 1.205

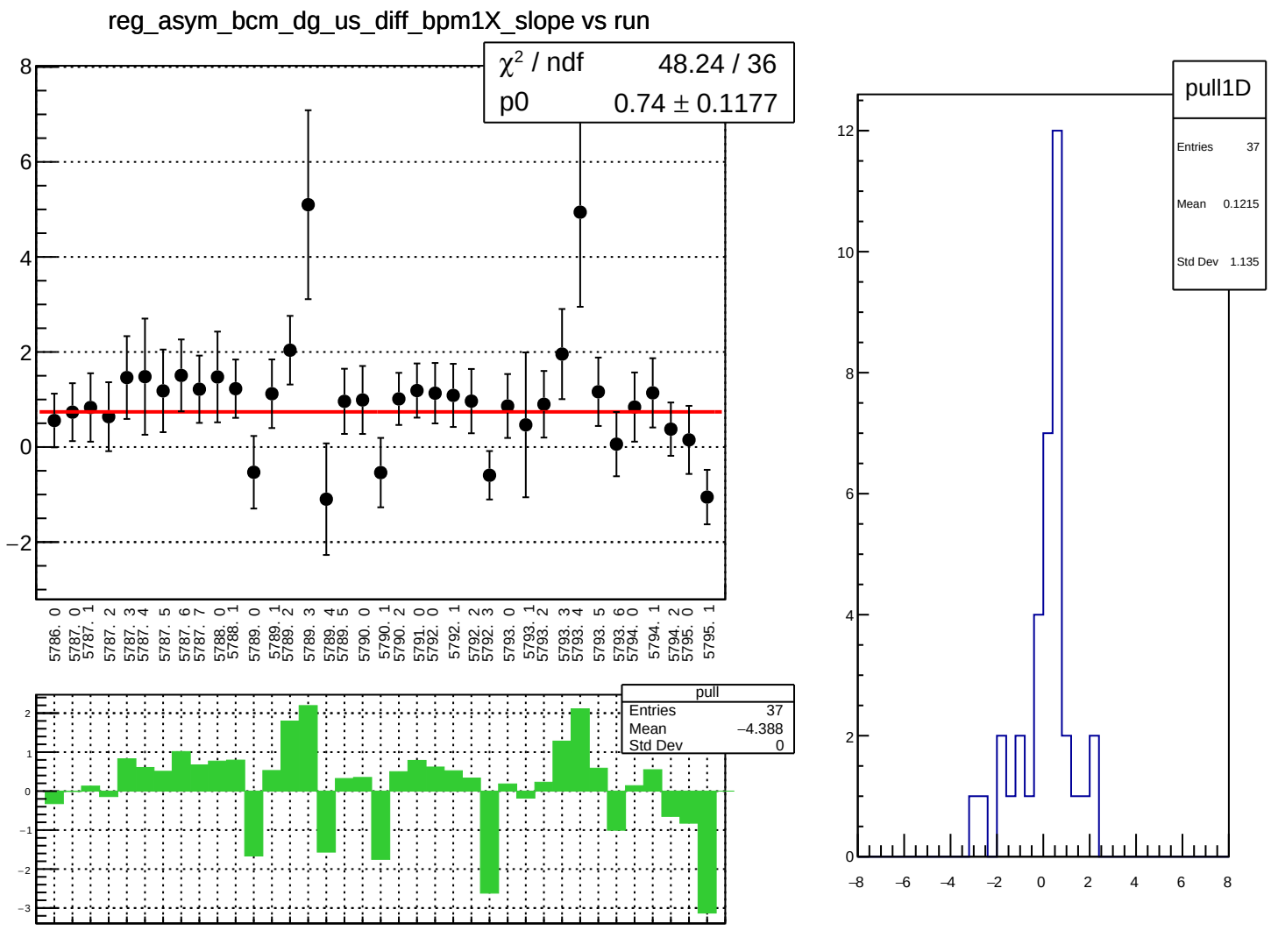

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs run
χ² / ndf 64.43 / 36
p0 0.2926 ± 0.1736
pull
Entries 37
Mean 51.78
Std Dev 0

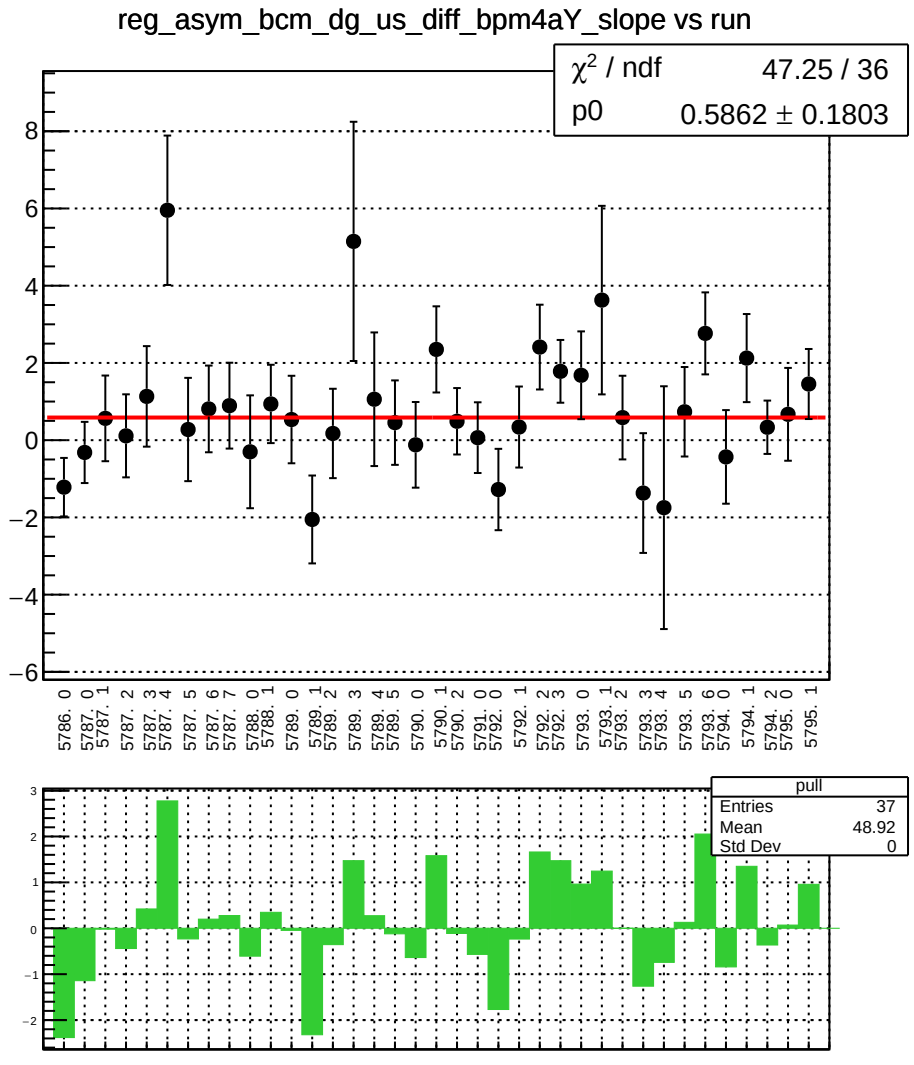

pull1D
Entries 37
Mean 0.1242
Std Dev 1.314

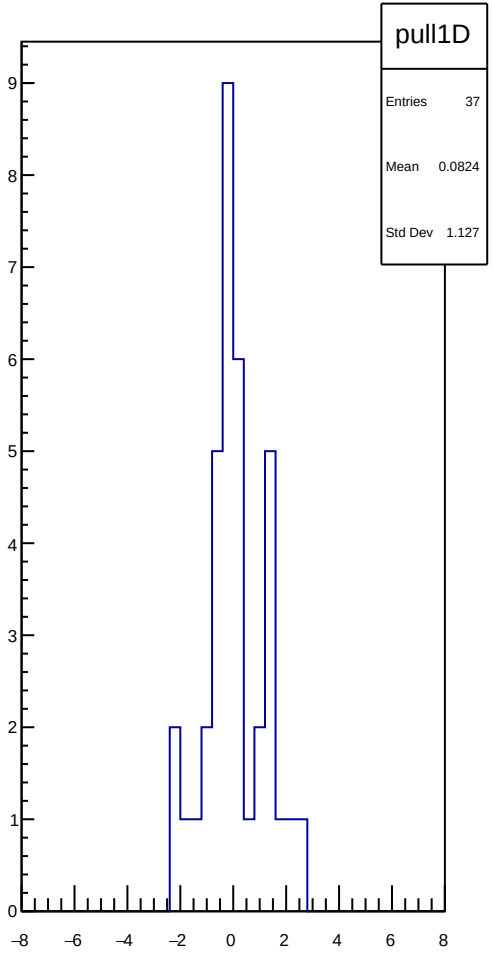

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs run
χ² / ndf 55.42 / 36
p0 −0.5074 ± 0.1626
pull
Entries 37
Mean −1.906
Std Dev 0
pull1D
Entries 37
Mean −0.115
Std Dev 1.218

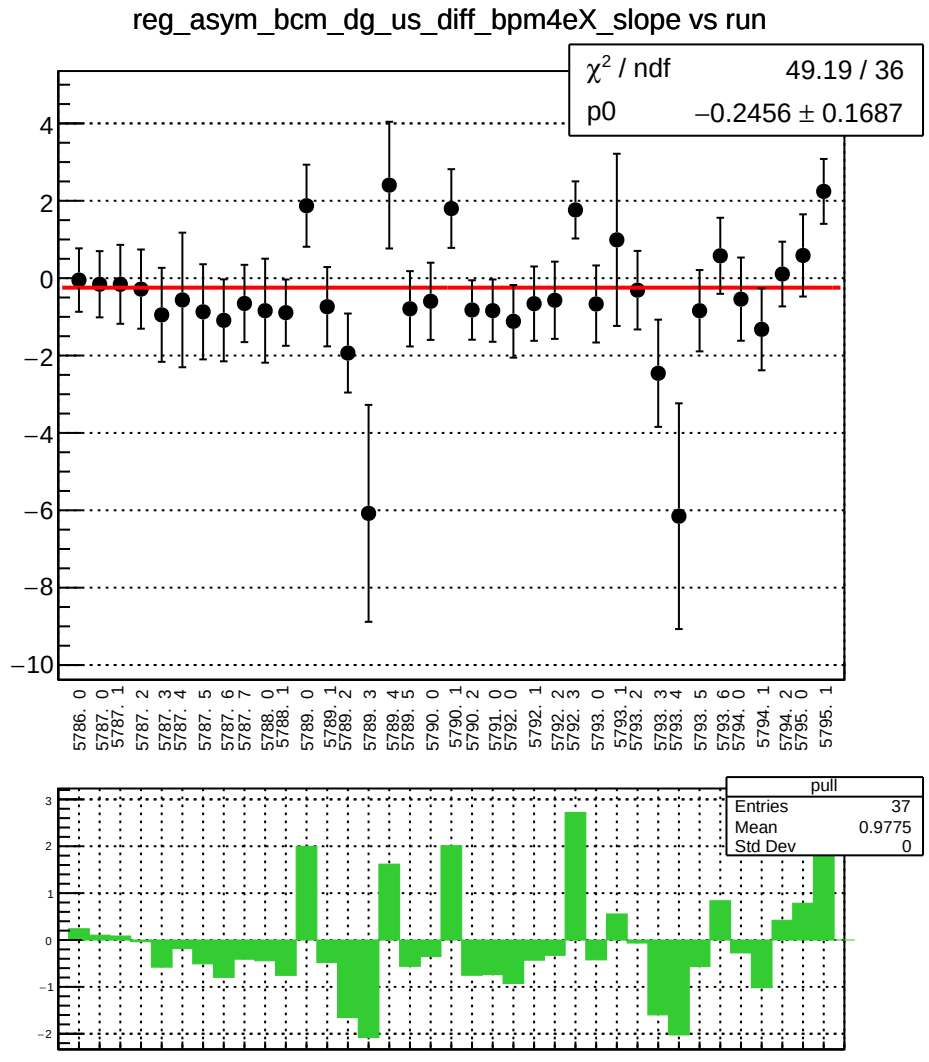

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs run
χ² / ndf 69.4 / 36
p0 −0.6195 ± 0.1904
pull
Entries 37
Mean 56.22
Std Dev 0
pull1D
Entries 37
Mean −0.1182
Std Dev 1.364

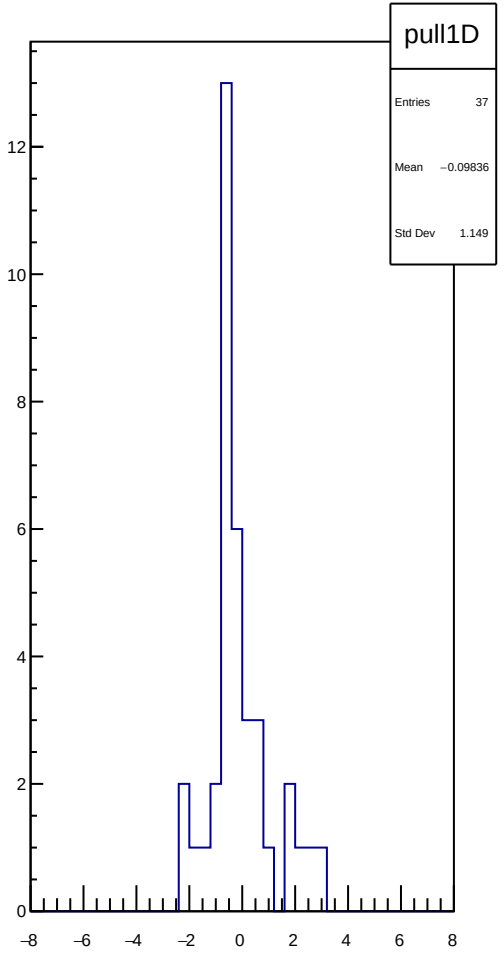

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs run
χ² / ndf 84.67 / 36
p0 0.363 ± 0.01352
pull
Entries 37
Mean −15.51
Std Dev 0
pull1D
Entries 37
Mean 0.1847
Std Dev 1.501

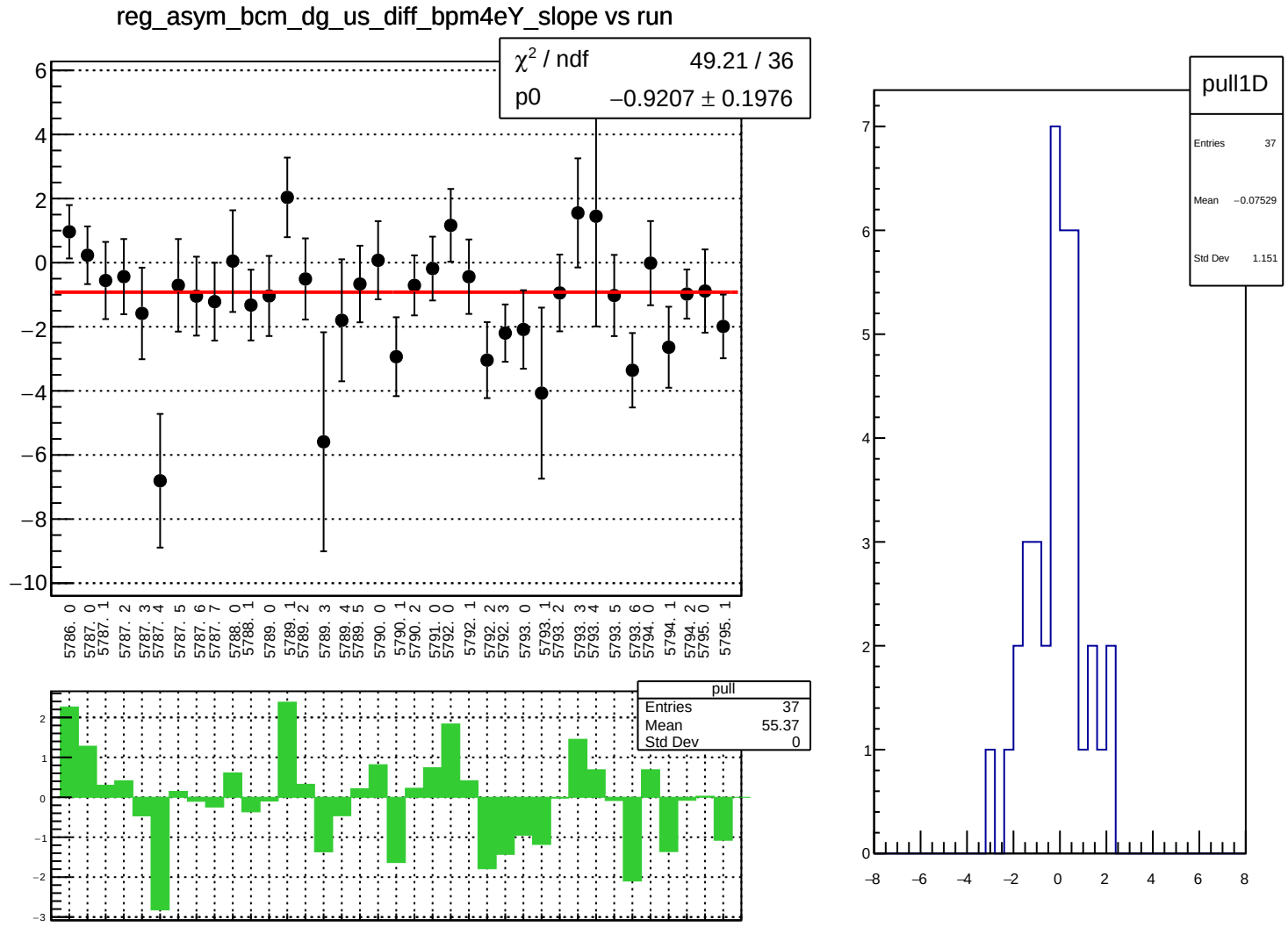

reg_asym_bcm_dg_us_diff_bpm1X_slope vs run
χ² / ndf 48.24 / 36
p0 0.74 ± 0.1177
pull
Entries 37
Mean −4.388
Std Dev 0
pull1D
Entries 37
Mean 0.1215
Std Dev 1.135

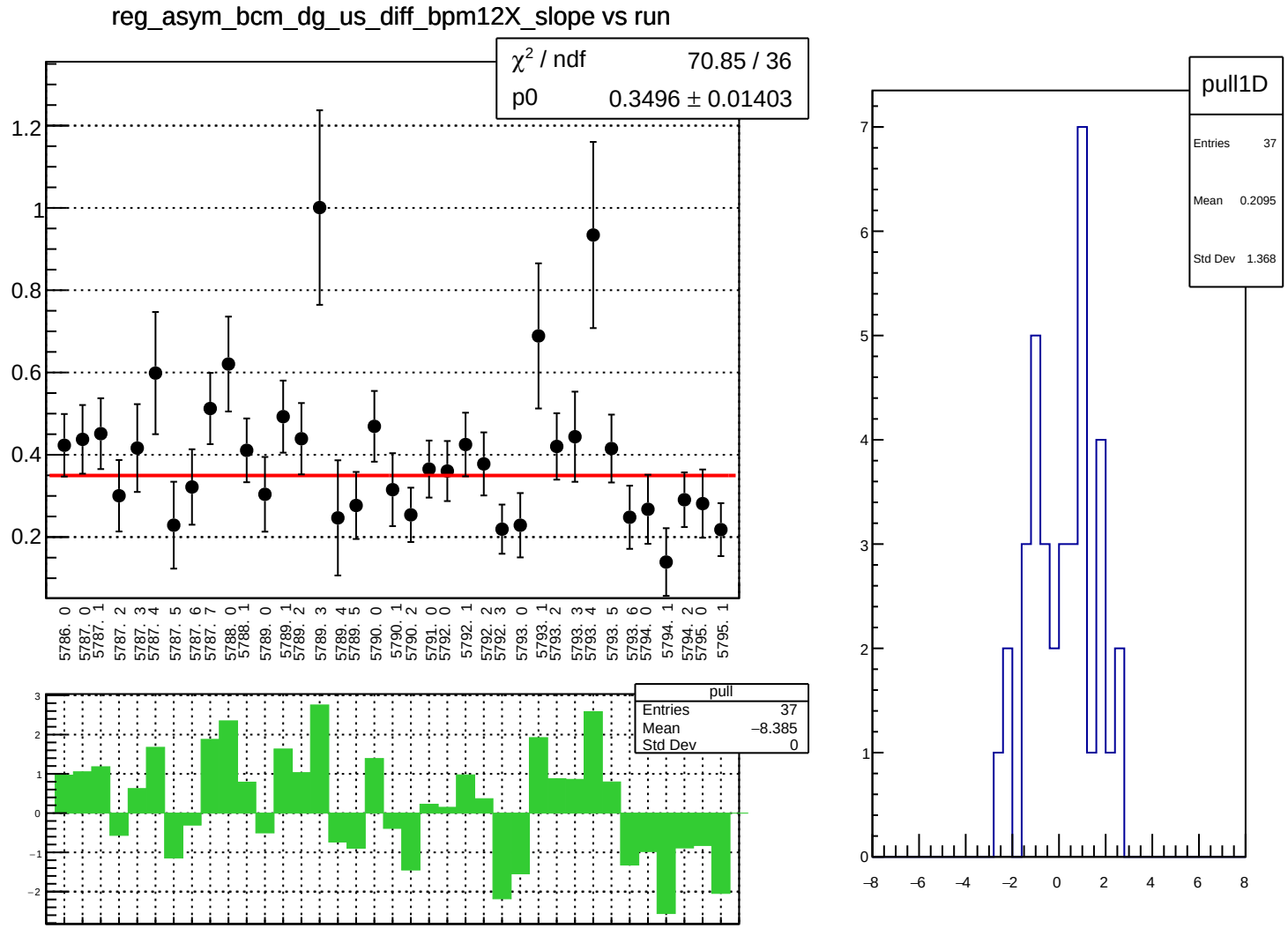

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs run
χ² / ndf 47.25 / 36
p0 0.5862 ± 0.1803
pull
Entries 37
Mean 48.92
Std Dev 0

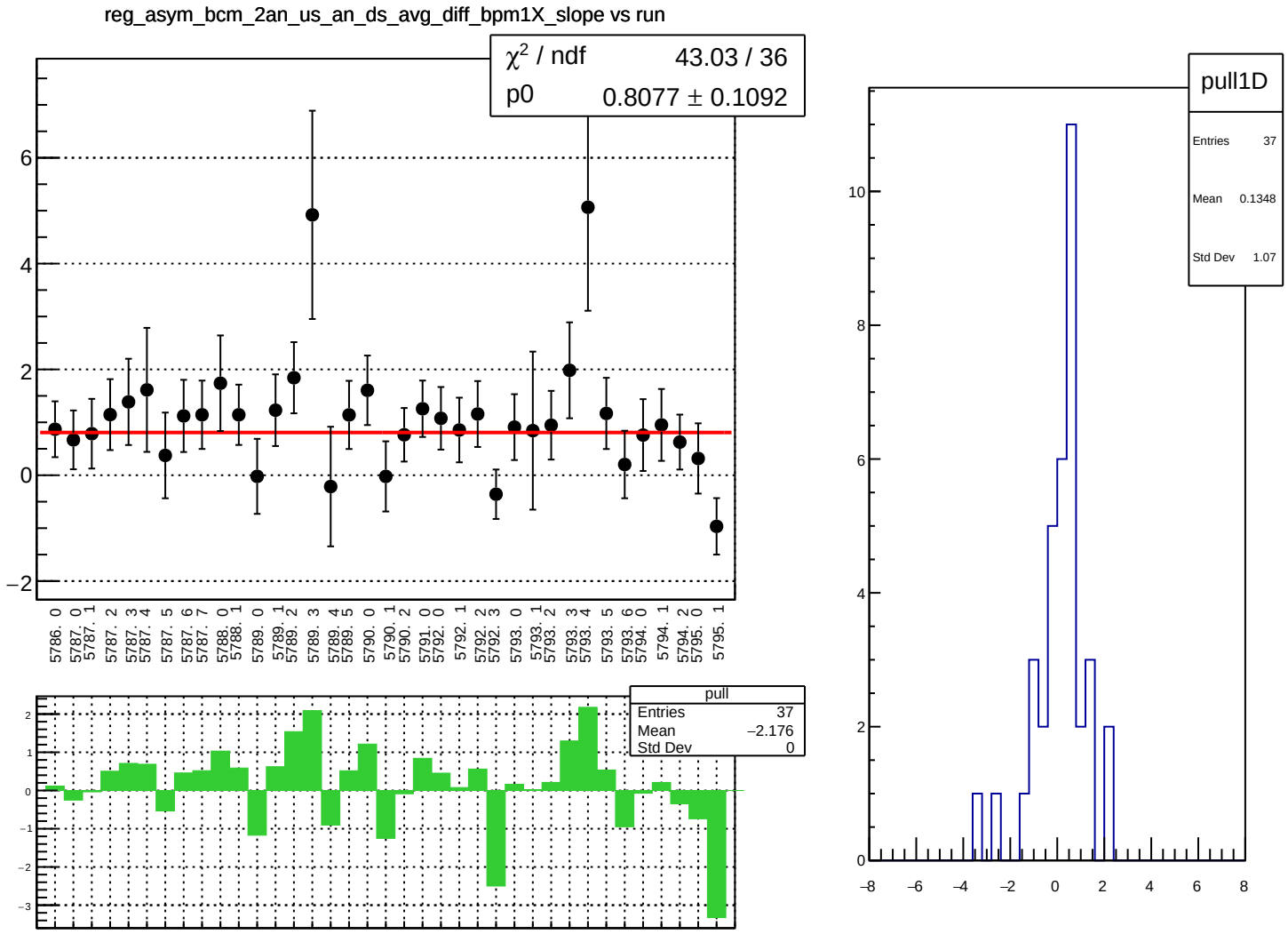

pull1D
Entries 37
Mean 0.0824
Std Dev 1.127

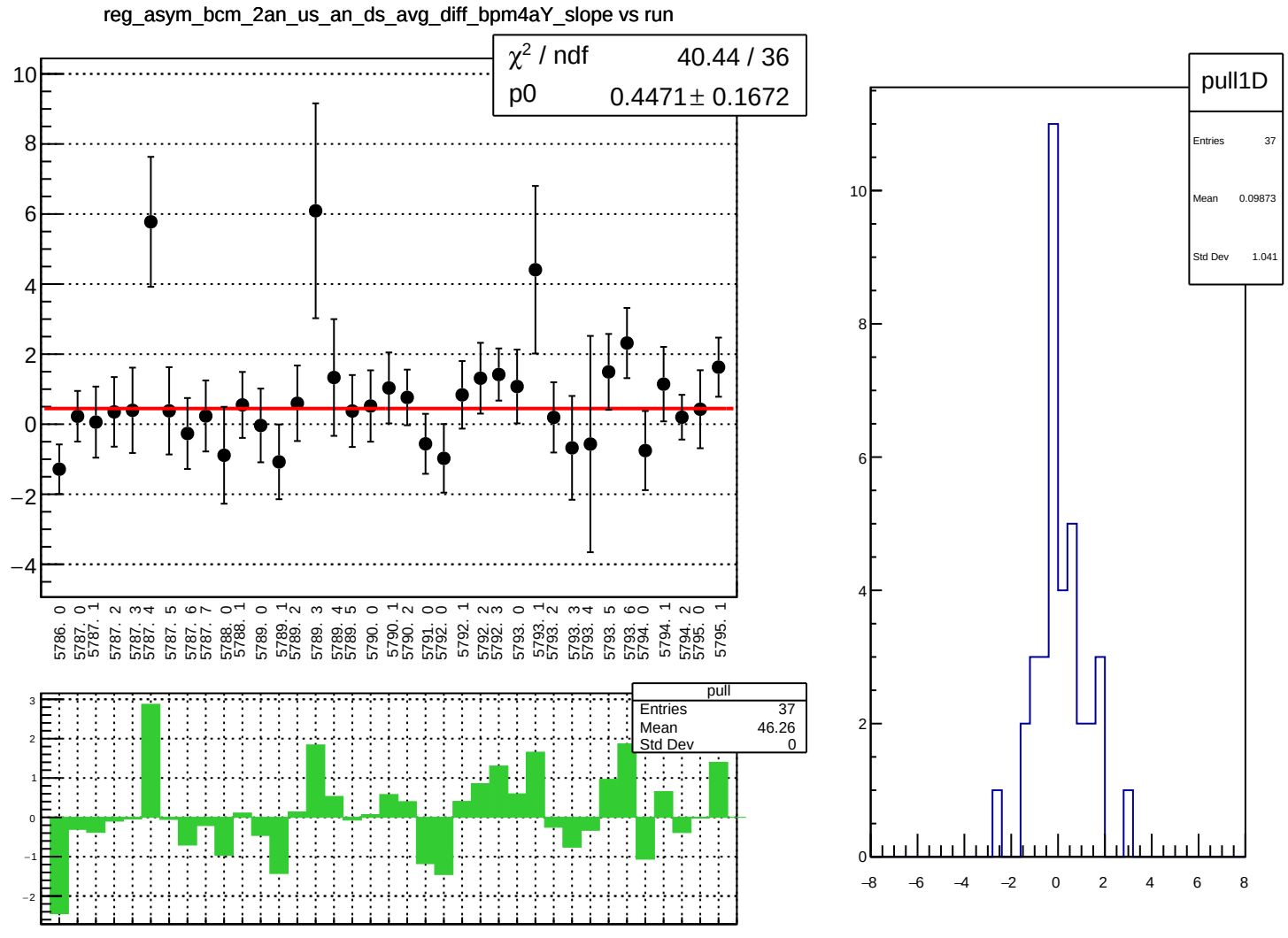

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs run
χ² / ndf 49.19 / 36
p0 −0.2456 ± 0.1687
pull
Entries 37
Mean 0.9775
Std Dev 0

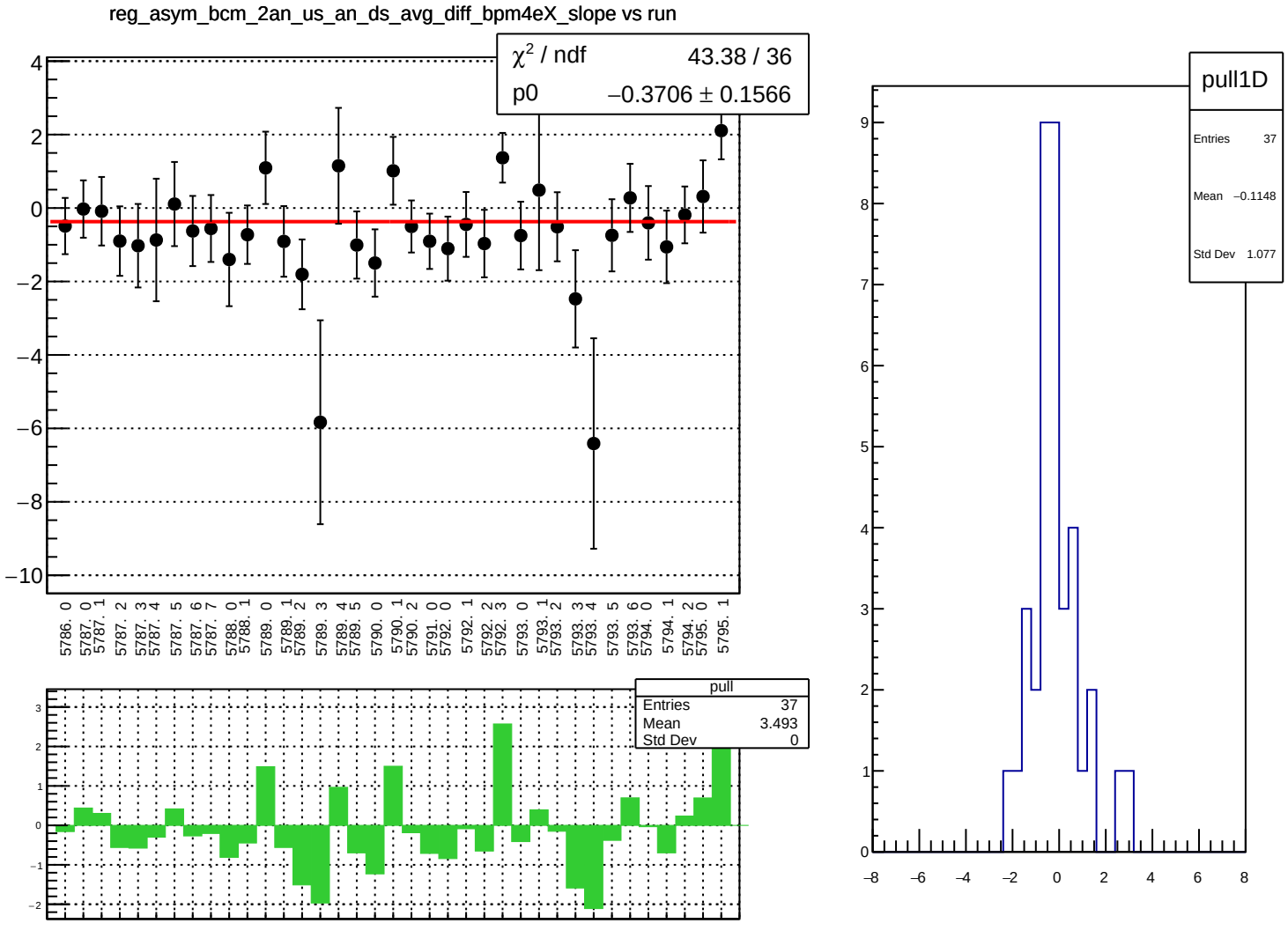

pull1D
Entries 37
Mean −0.09836
Std Dev 1.149

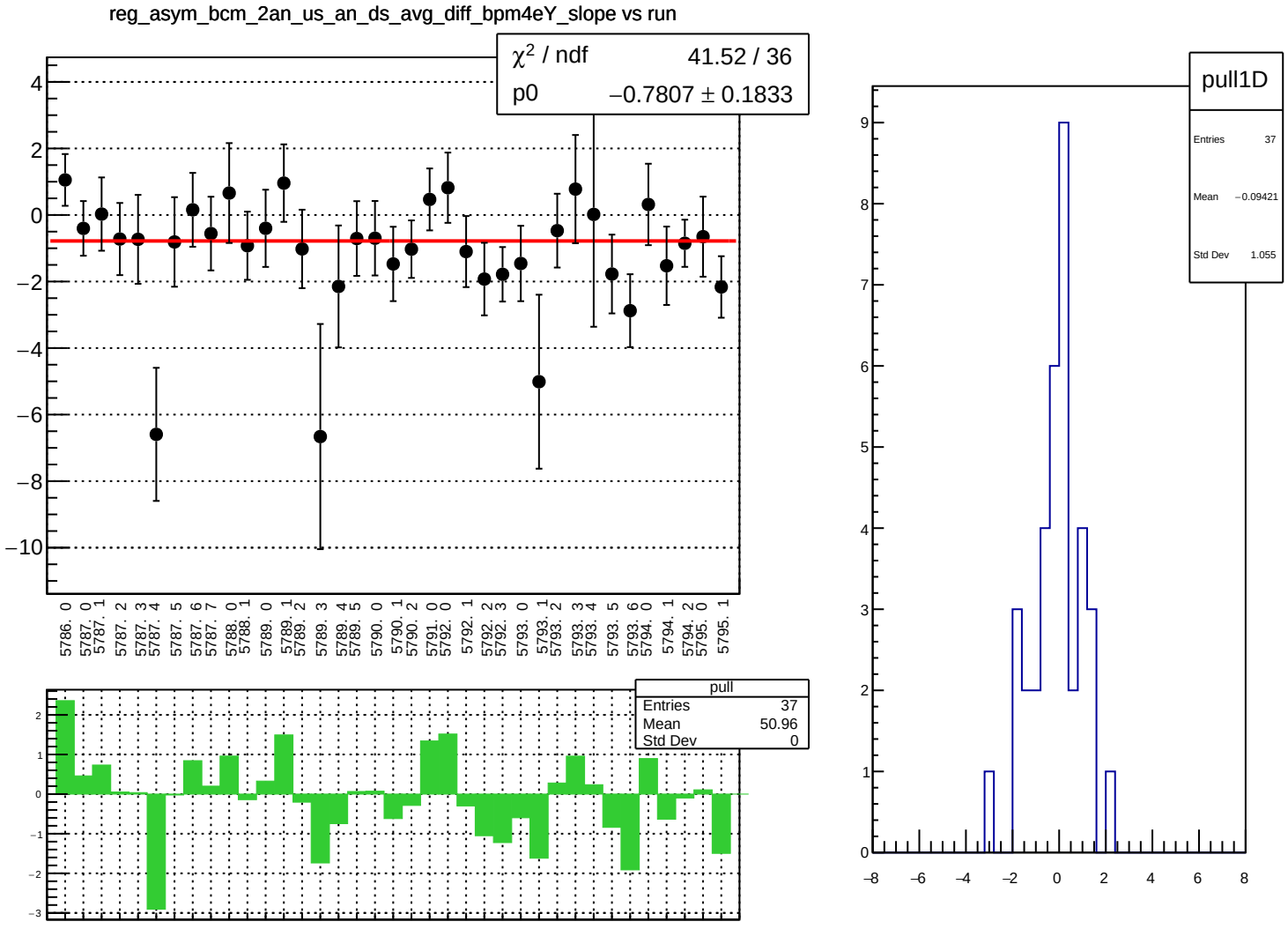

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs run
χ² / ndf 49.21 / 36
p0 −0.9207 ± 0.1976
pull
Entries 37
Mean 55.37
Std Dev 0
pull1D
Entries 37
Mean −0.07529
Std Dev 1.151

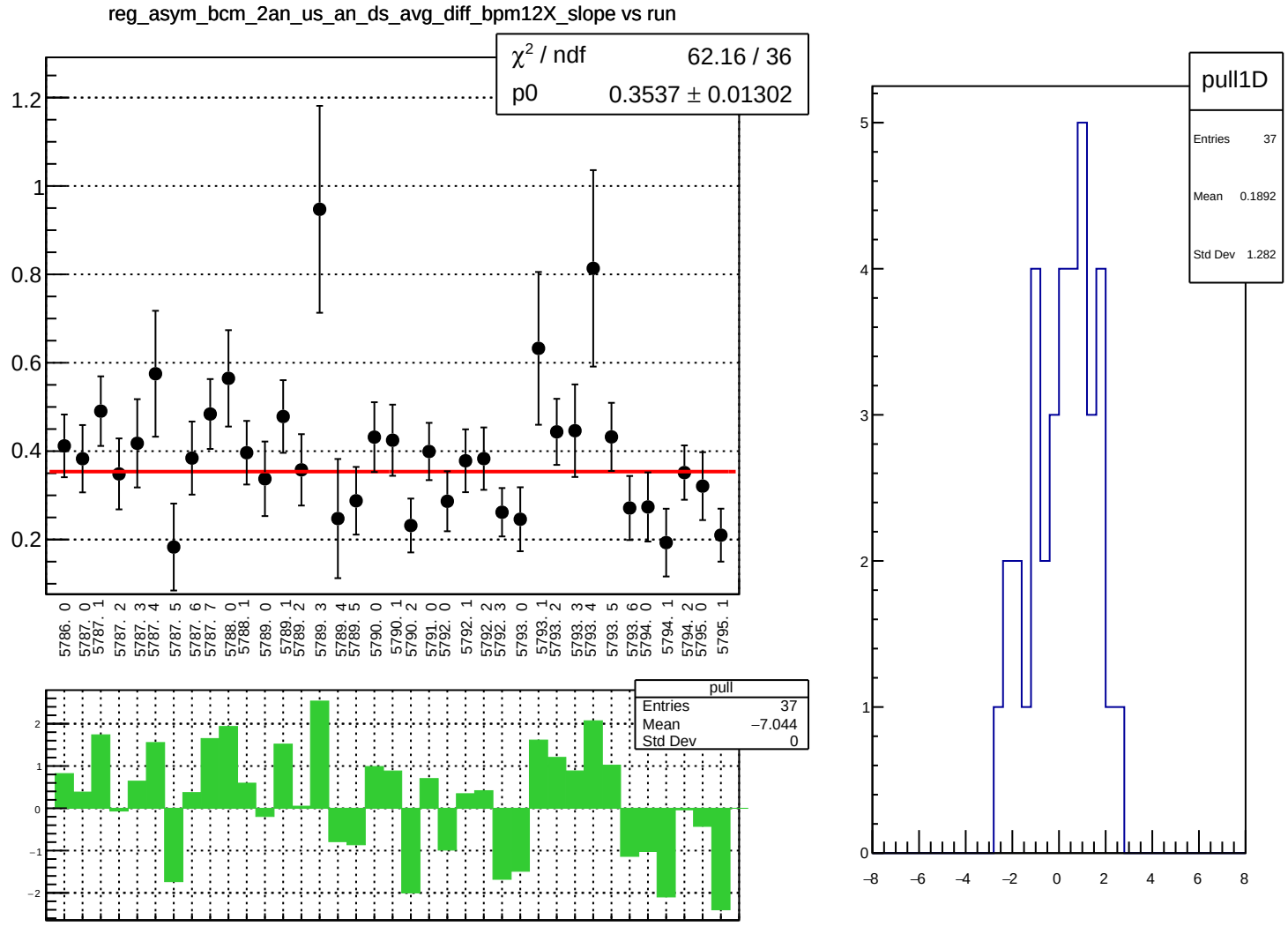

reg_asym_bcm_dg_us_diff_bpm12X_slope vs run
χ² / ndf 70.85 / 36
p0 0.3496 ± 0.01403
1.2
1
0.8
0.6
0.4
0.2
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −8.385
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.2095
Std Dev 1.368
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

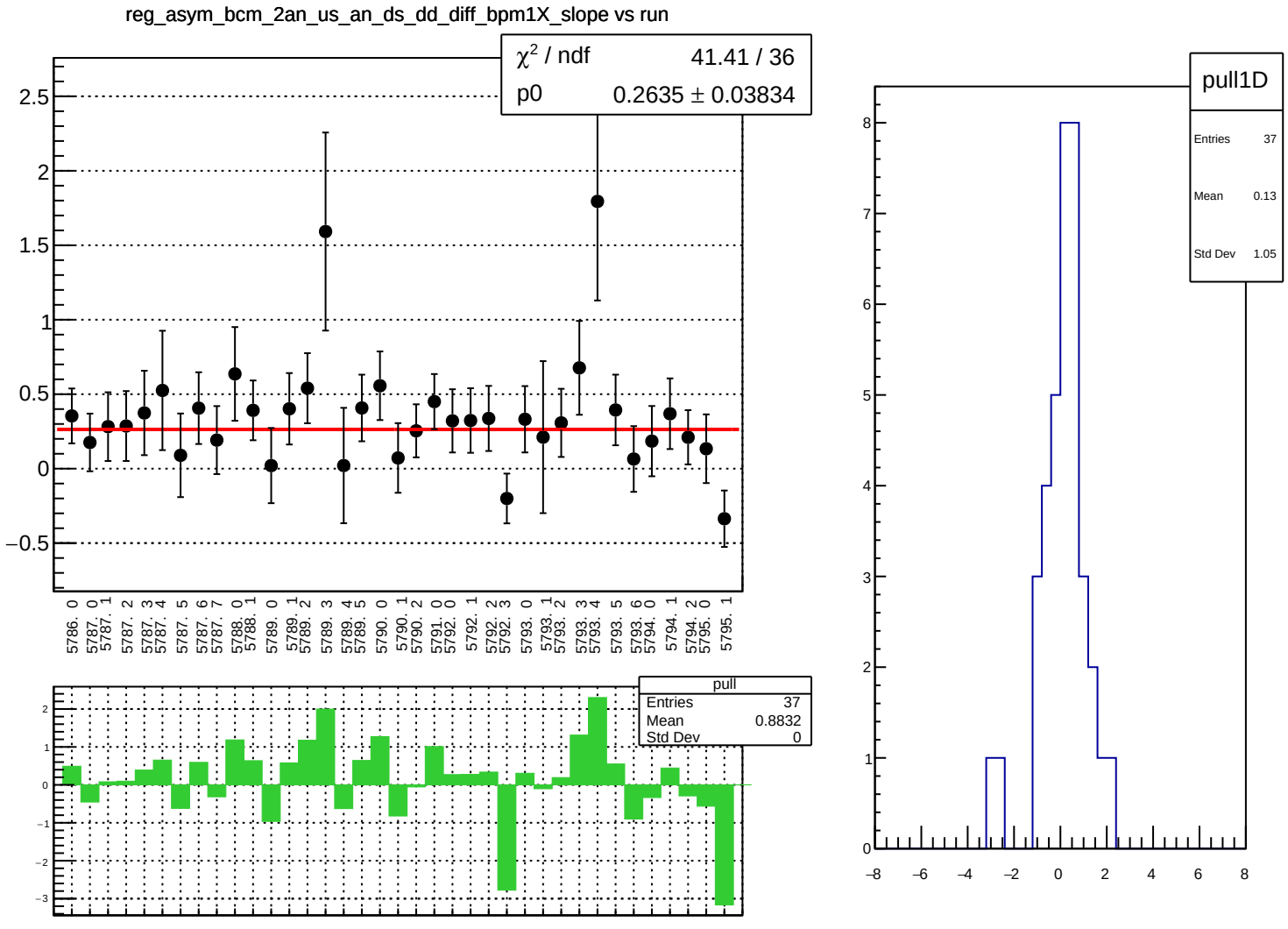

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 43.03 / 36
p0 0.8077 ± 0.1092
pull
Entries 37
Mean −2.176
Std Dev 0
pull1D
Entries 37
Mean 0.1348
Std Dev 1.07

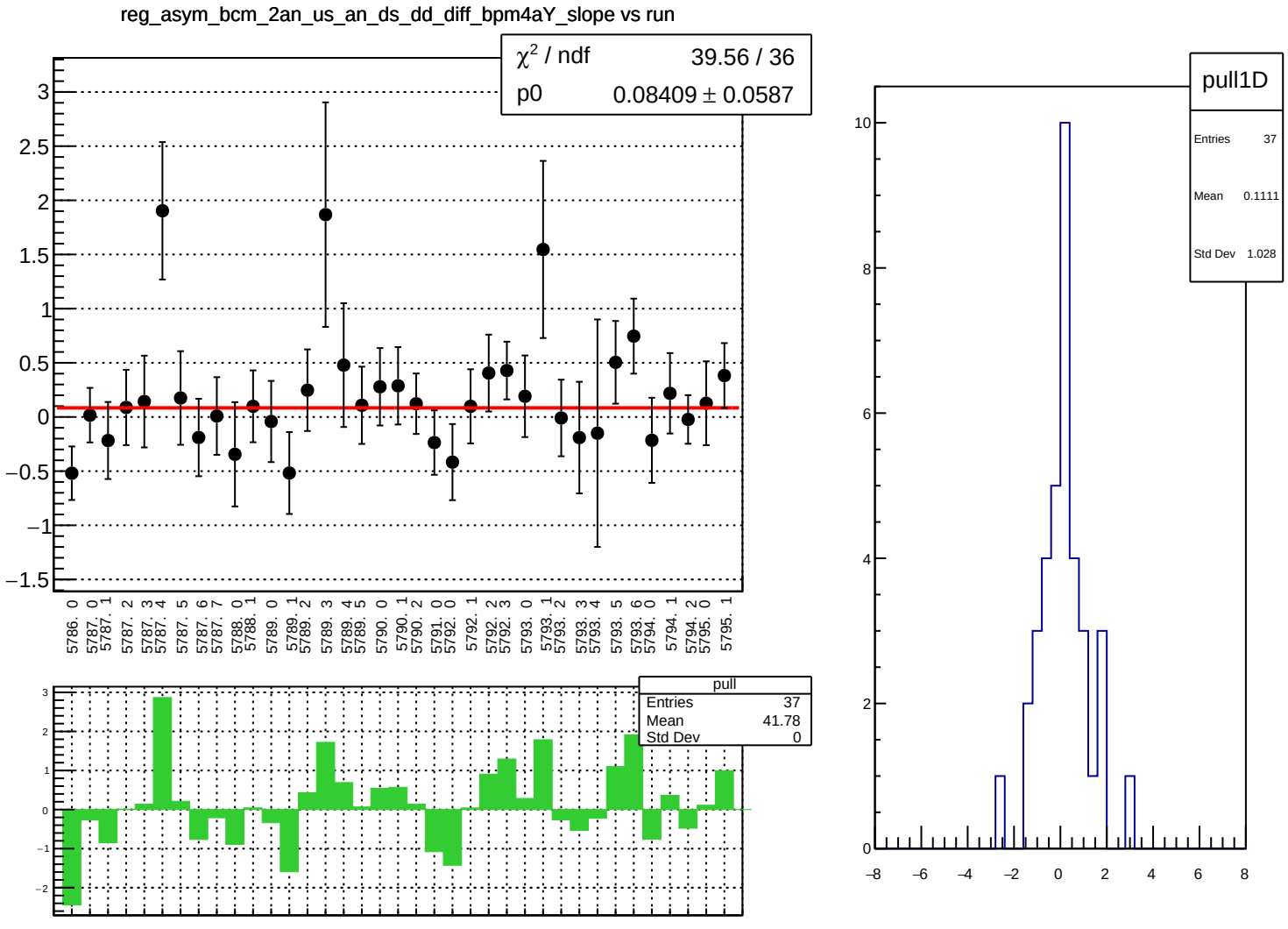

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.44 / 36
p0 0.4471± 0.1672
pull
Entries 37
Mean 46.26
Std Dev 0
pull1D
Entries 37
Mean 0.09873
Std Dev 1.041

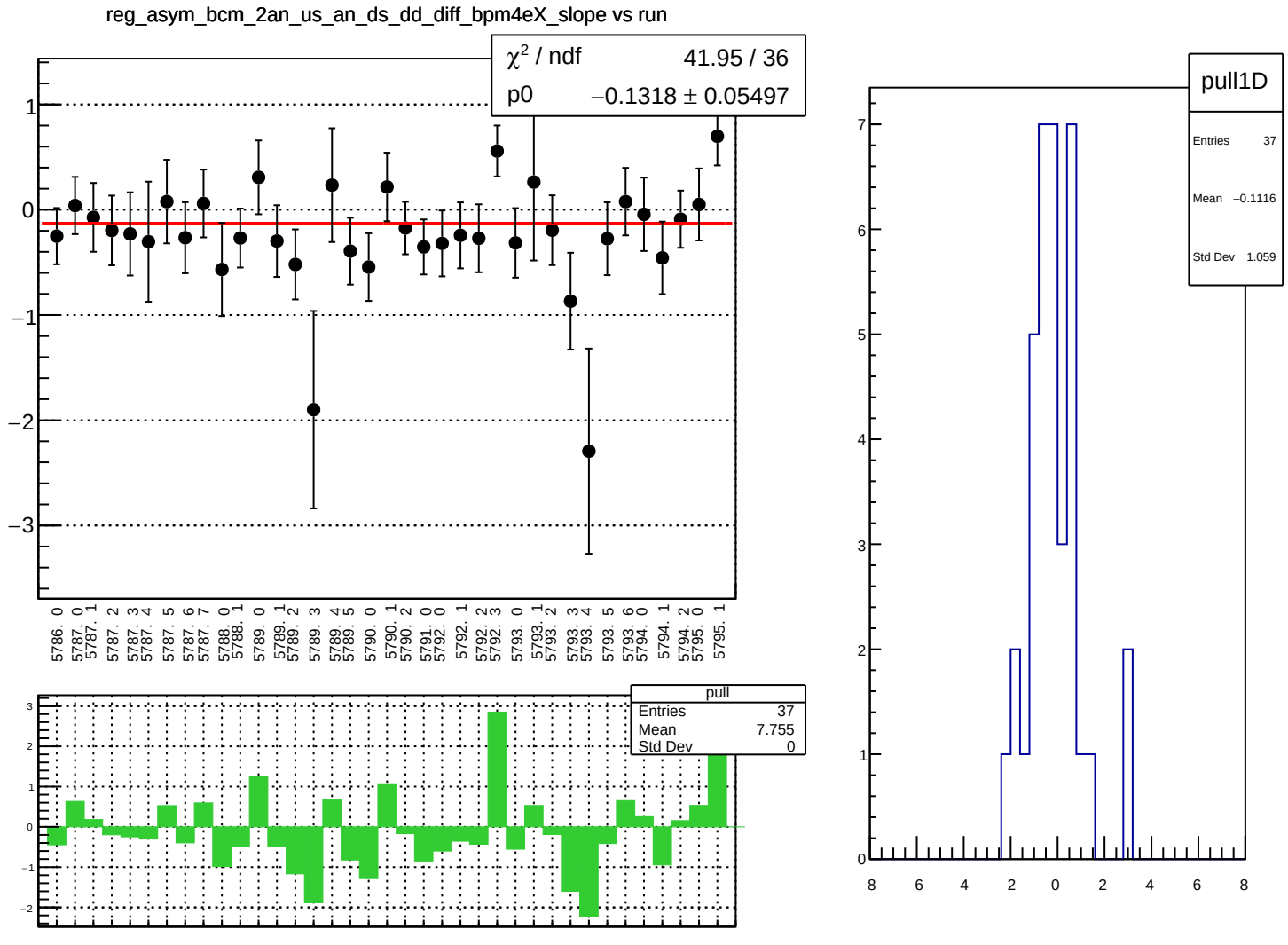

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.38 / 36
p0 −0.3706 ± 0.1566
pull
Entries 37
Mean 3.493
Std Dev 0
pull1D
Entries 37
Mean −0.1148
Std Dev 1.077

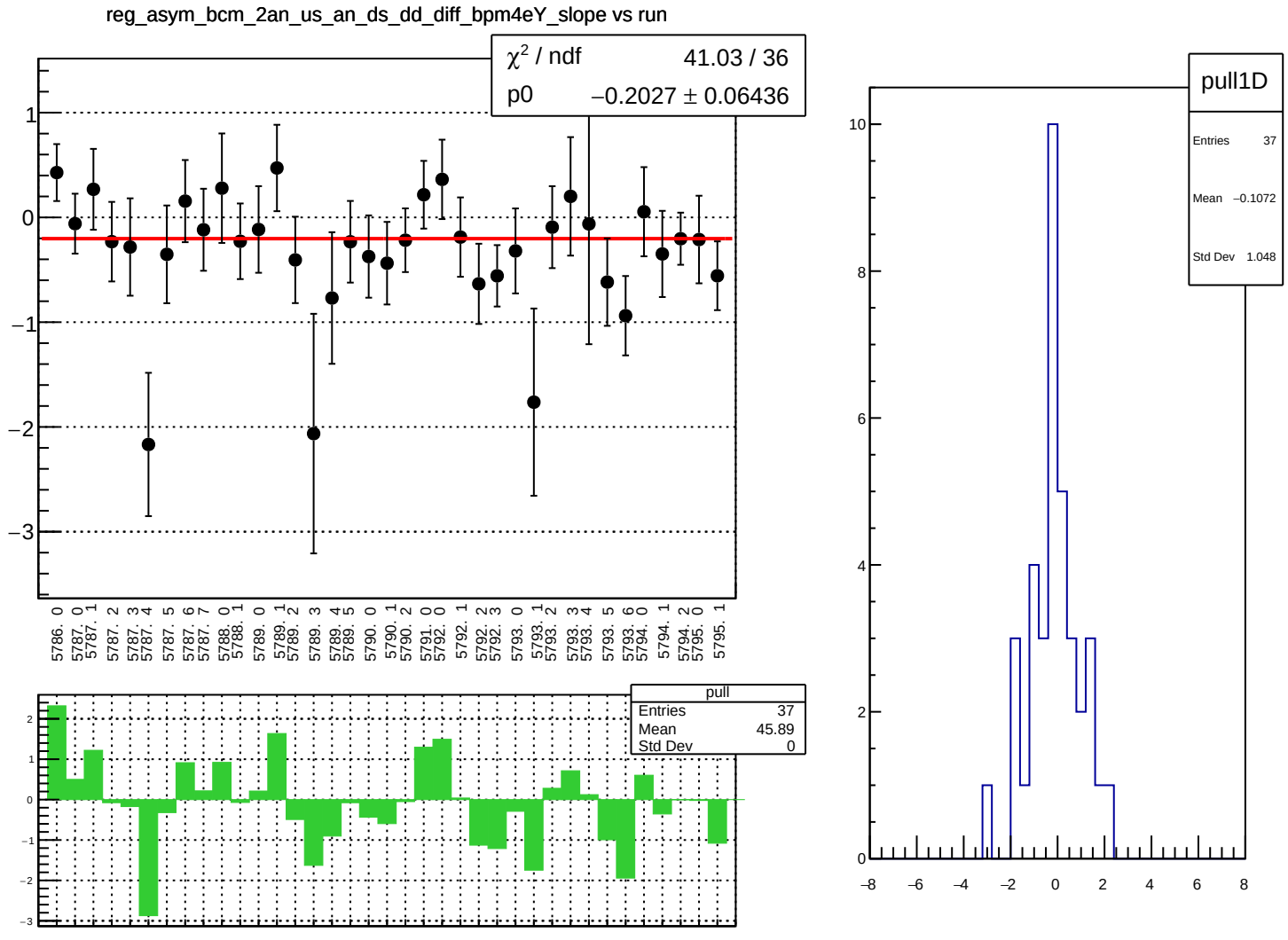

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.52 / 36
p0 −0.7807 ± 0.1833
pull
Entries 37
Mean 50.96
Std Dev 0
pull1D
Entries 37
Mean −0.09421
Std Dev 1.055

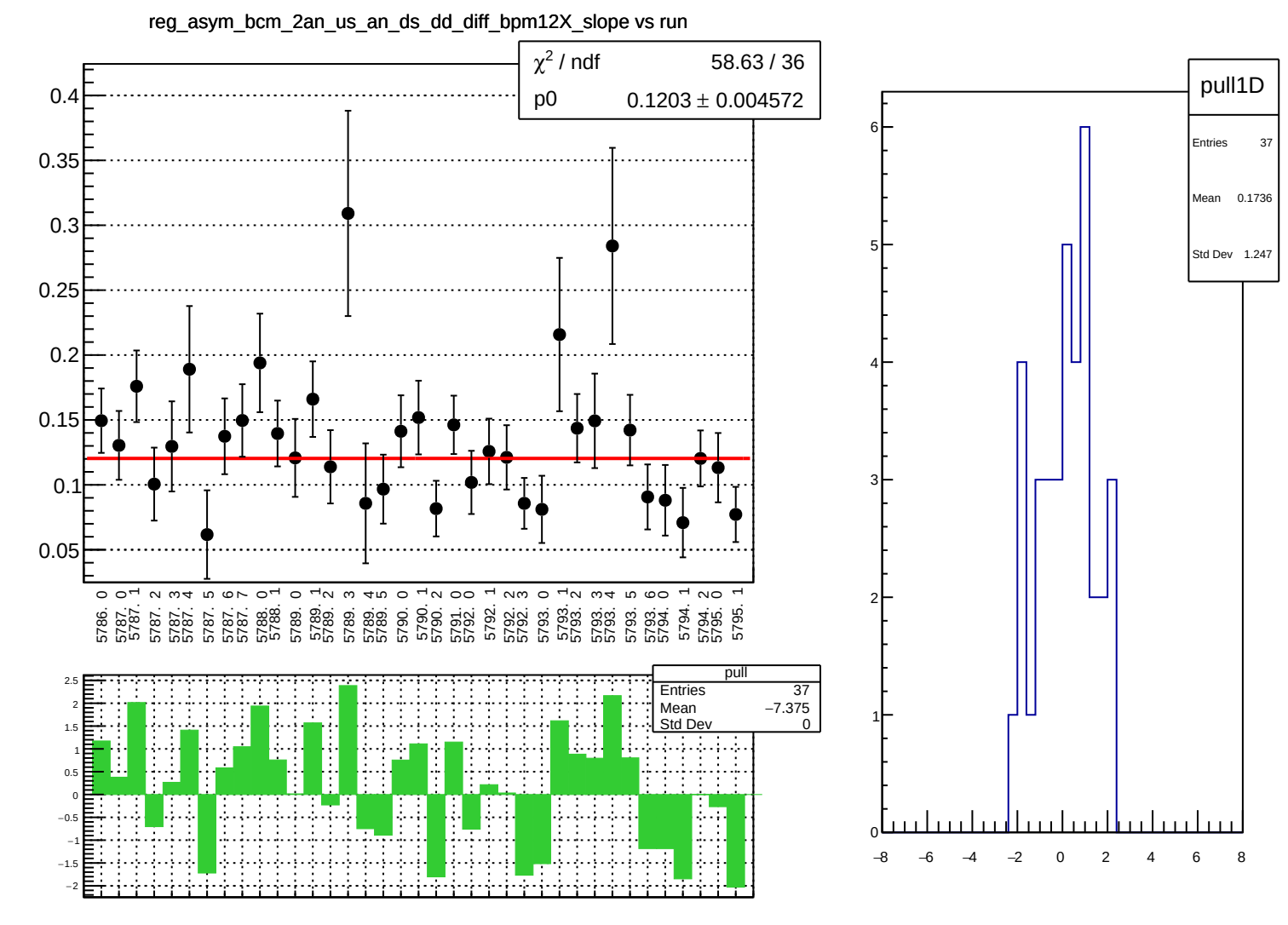

reg_asym_bcm_2an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 62.16 / 36
p0 0.3537 ± 0.01302
pull
Entries 37
Mean −7.044
Std Dev 0
pull1D
Entries 37
Mean 0.1892
Std Dev 1.282

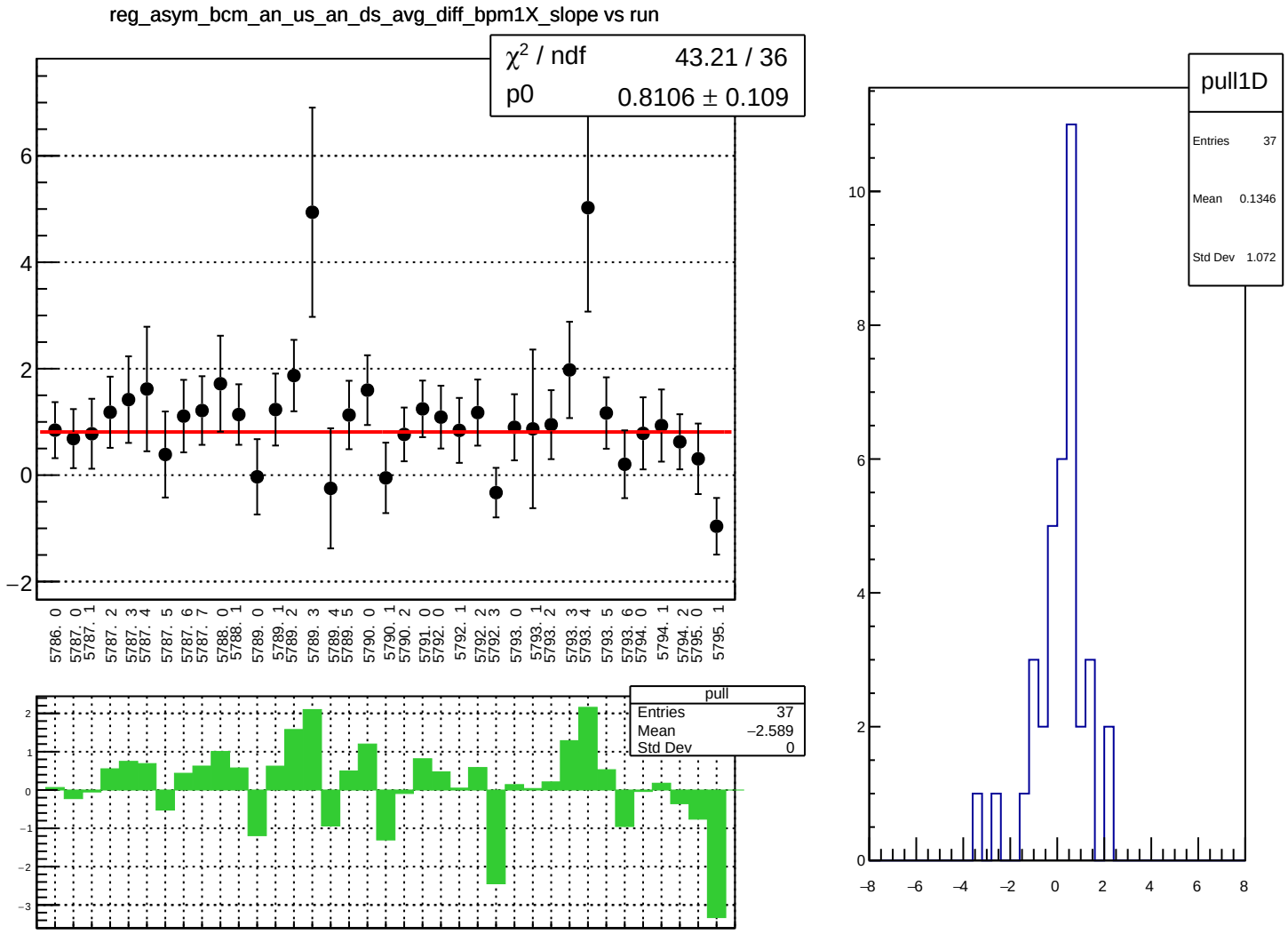

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 41.41 / 36
p0 0.2635 ± 0.03834
pull
Entries 37
Mean 0.8832
Std Dev 0
pull1D
Entries 37
Mean 0.13
Std Dev 1.05

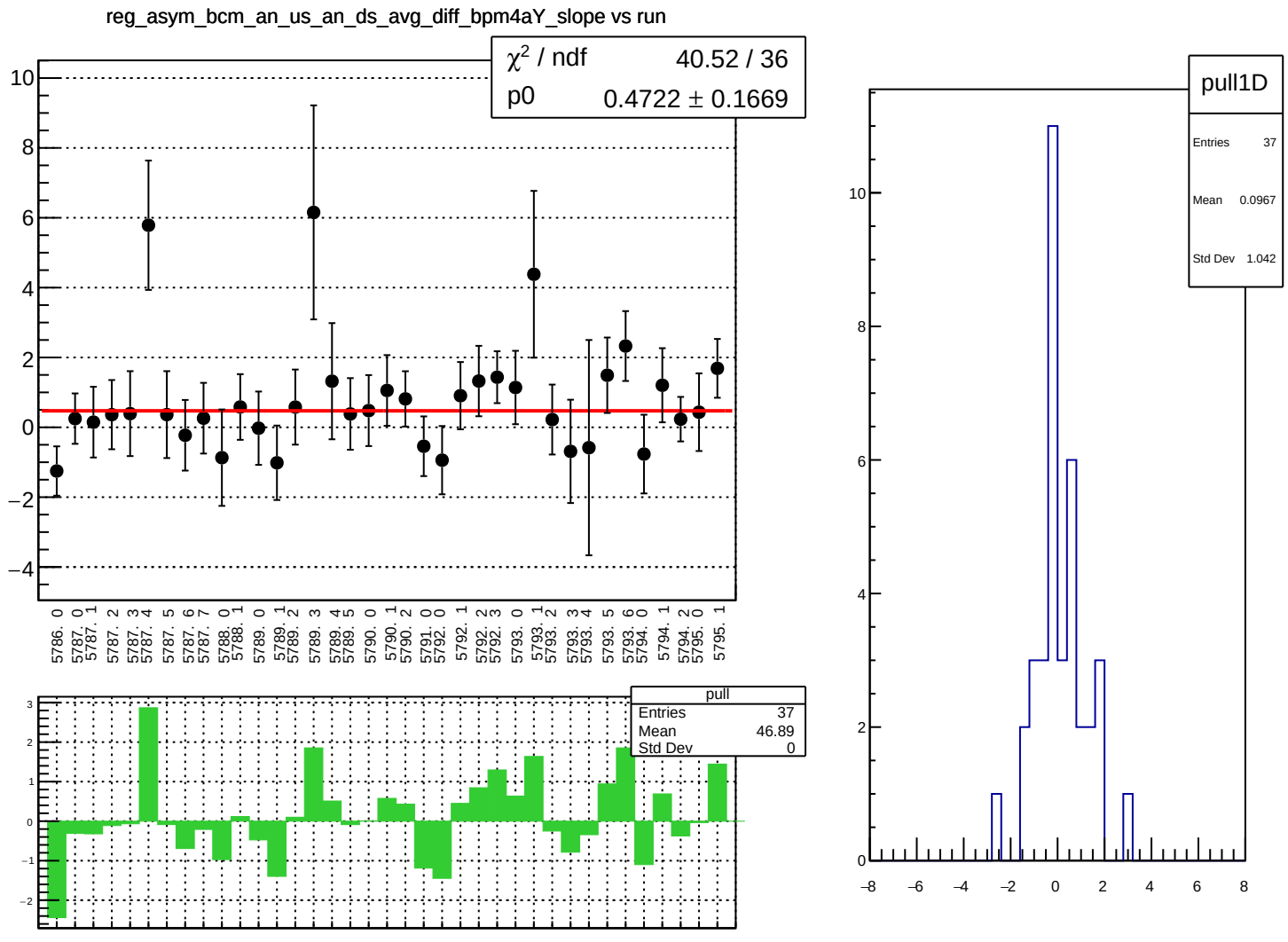

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 39.56 / 36
p0 0.08409 ± 0.0587
pull
Entries 37
Mean 41.78
Std Dev 0
pull1D
Entries 37
Mean 0.1111
Std Dev 1.028

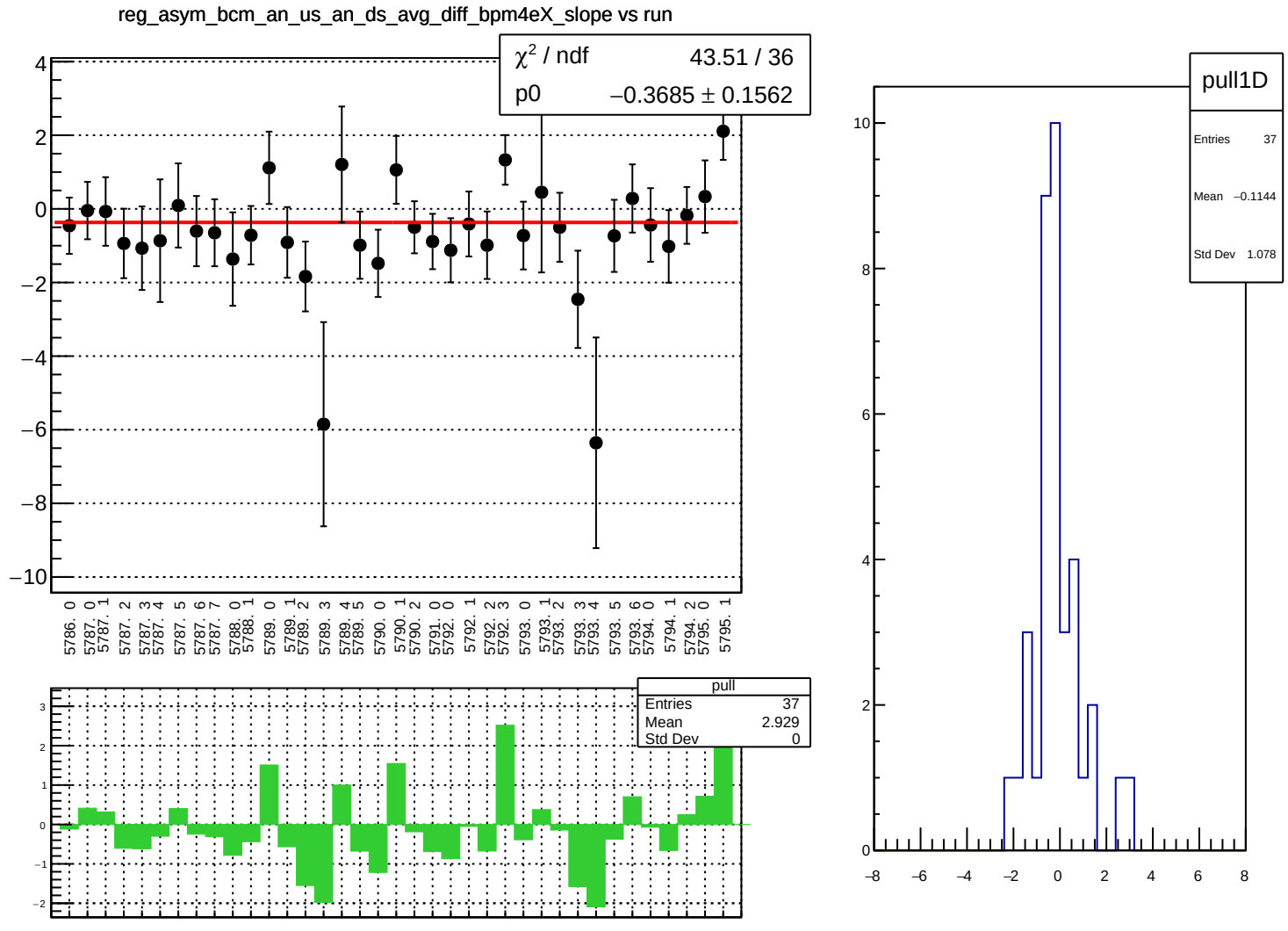

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 41.95 / 36
p0 −0.1318 ± 0.05497
pull
Entries 37
Mean 7.755
Std Dev 0
pull1D
Entries 37
Mean −0.1116
Std Dev 1.059

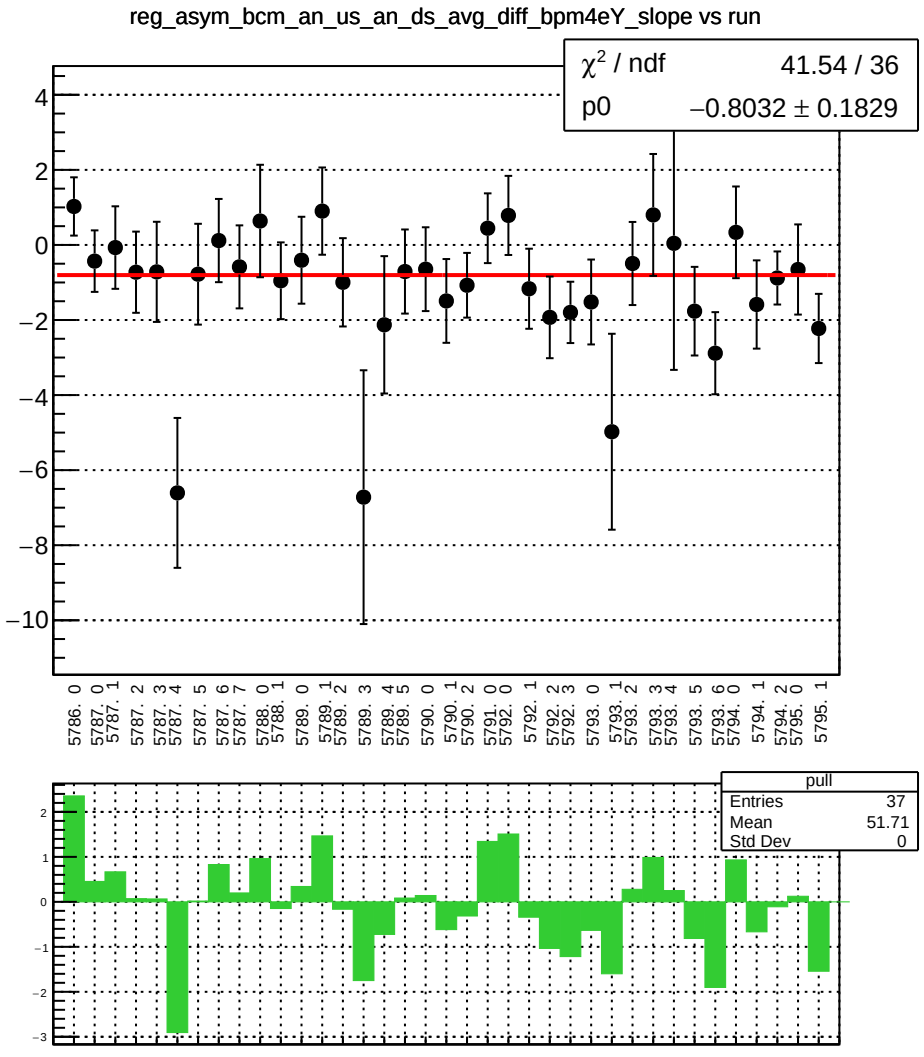

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 41.03 / 36
p0 −0.2027 ± 0.06436
pull
Entries 37
Mean 45.89
Std Dev 0
pull1D
Entries 37
Mean −0.1072
Std Dev 1.048

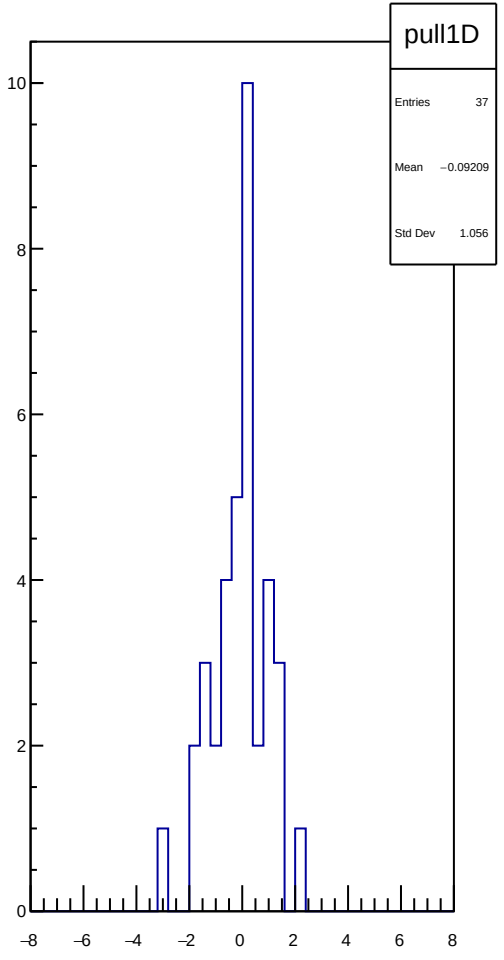

reg_asym_bcm_2an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 58.63 / 36
p0 0.1203 ± 0.004572
pull
Entries 37
Mean −7.375
Std Dev 0
pull1D
Entries 37
Mean 0.1736
Std Dev 1.247

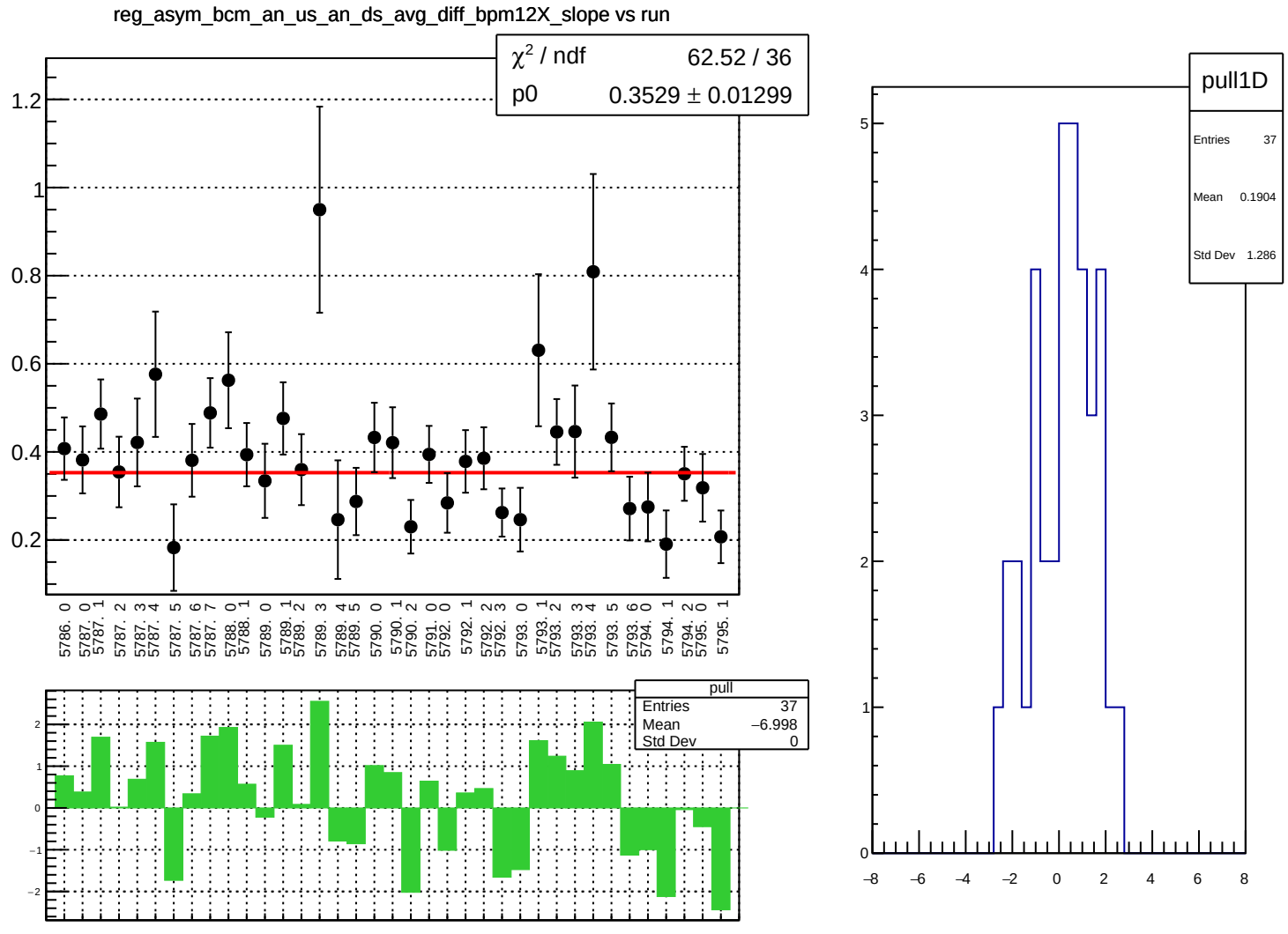

reg_asym_bcm_an_us_an_ds_avg_diff_bpm1X_slope vs run
χ² / ndf 43.21 / 36
p0 0.8106 ± 0.109
pull
Entries 37
Mean −2.589
Std Dev 0
pull1D
Entries 37
Mean 0.1346
Std Dev 1.072

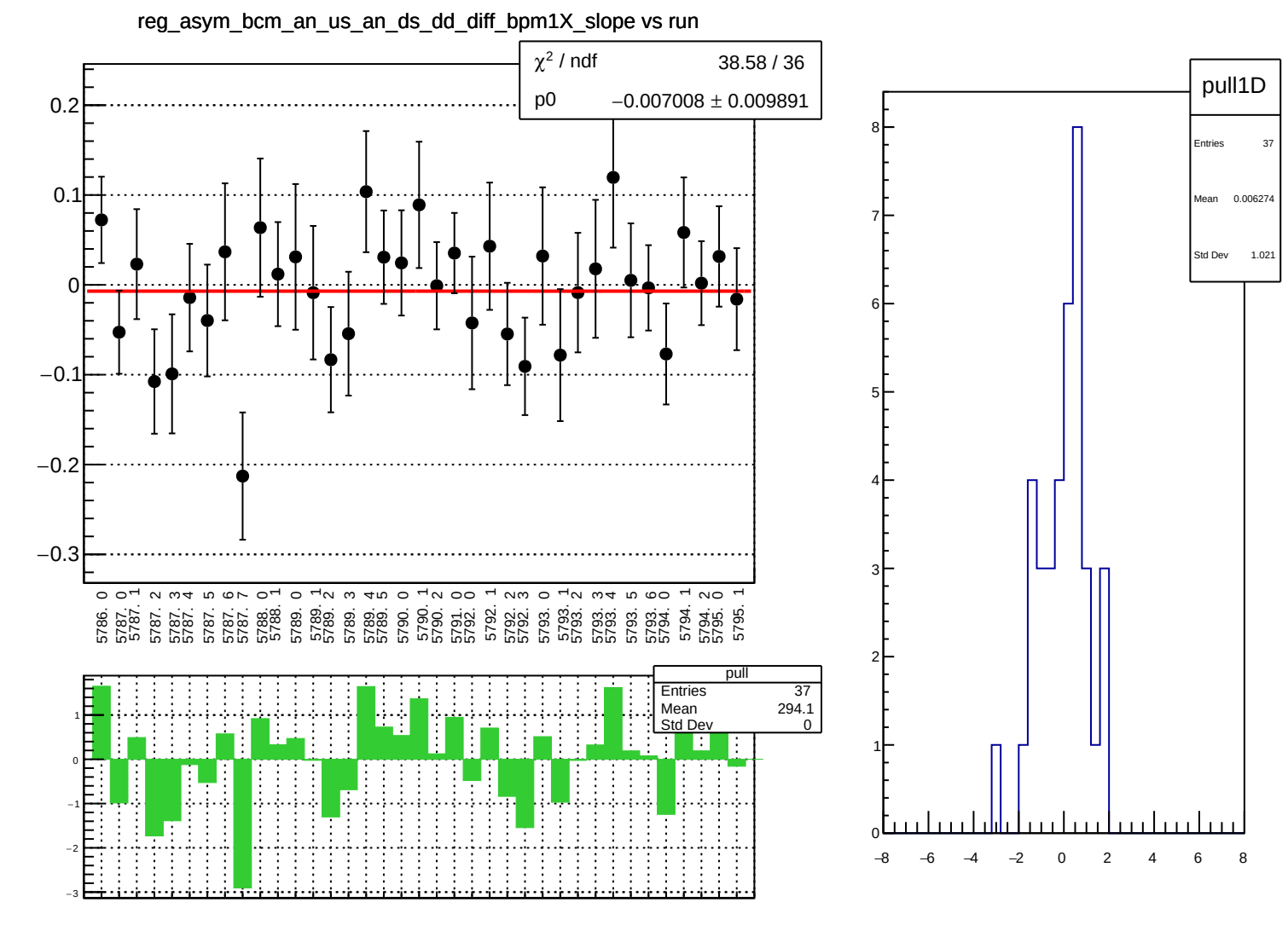

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4aY_slope vs run
χ² / ndf 40.52 / 36
p0 0.4722 ± 0.1669
10
8
6
4
2
0
−2
−4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 46.89
Std Dev 0
3
2
1
0
−1
−2
pull1D
Entries 37
Mean 0.0967
Std Dev 1.042
10
8
6
4
2
0
−8
−6
−4
−2
0
2
4
6
8

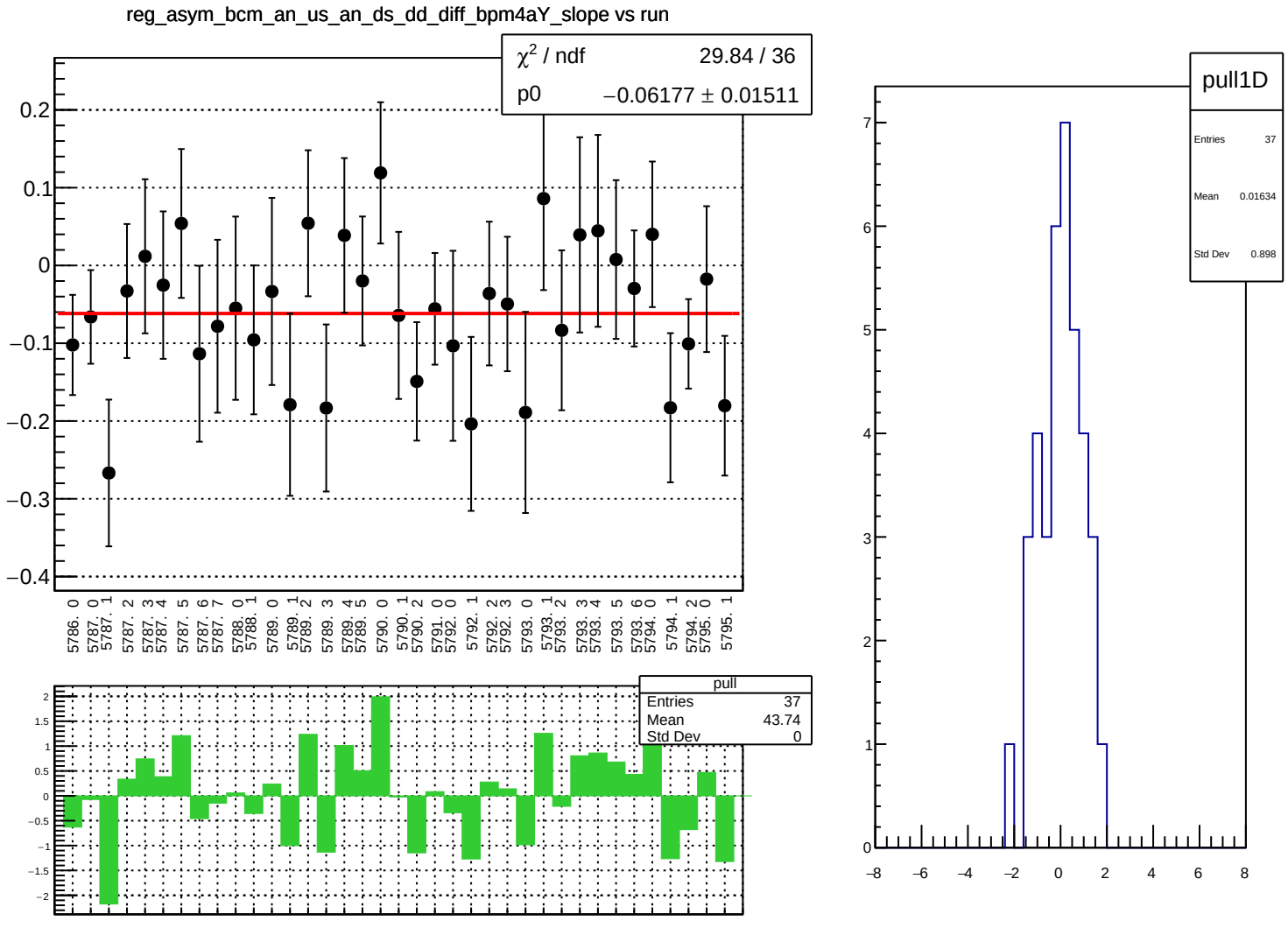

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eX_slope vs run
χ² / ndf 43.51 / 36
p0 −0.3685 ± 0.1562
pull
Entries 37
Mean 2.929
Std Dev 0
pull1D
Entries 37
Mean −0.1144
Std Dev 1.078

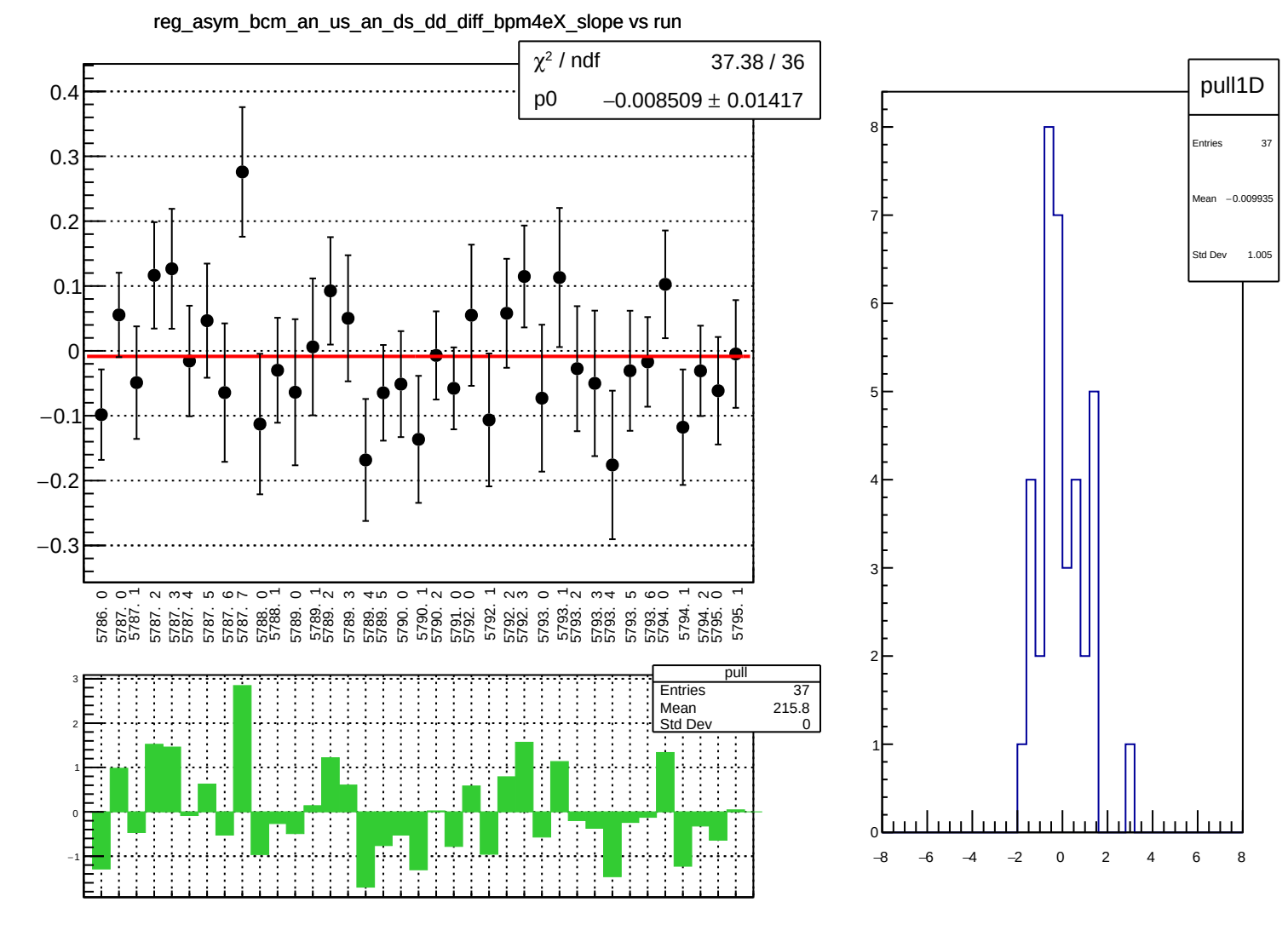

reg_asym_bcm_an_us_an_ds_avg_diff_bpm4eY_slope vs run
χ² / ndf 41.54 / 36
p0 −0.8032 ± 0.1829
pull
Entries 37
Mean 51.71
Std Dev 0

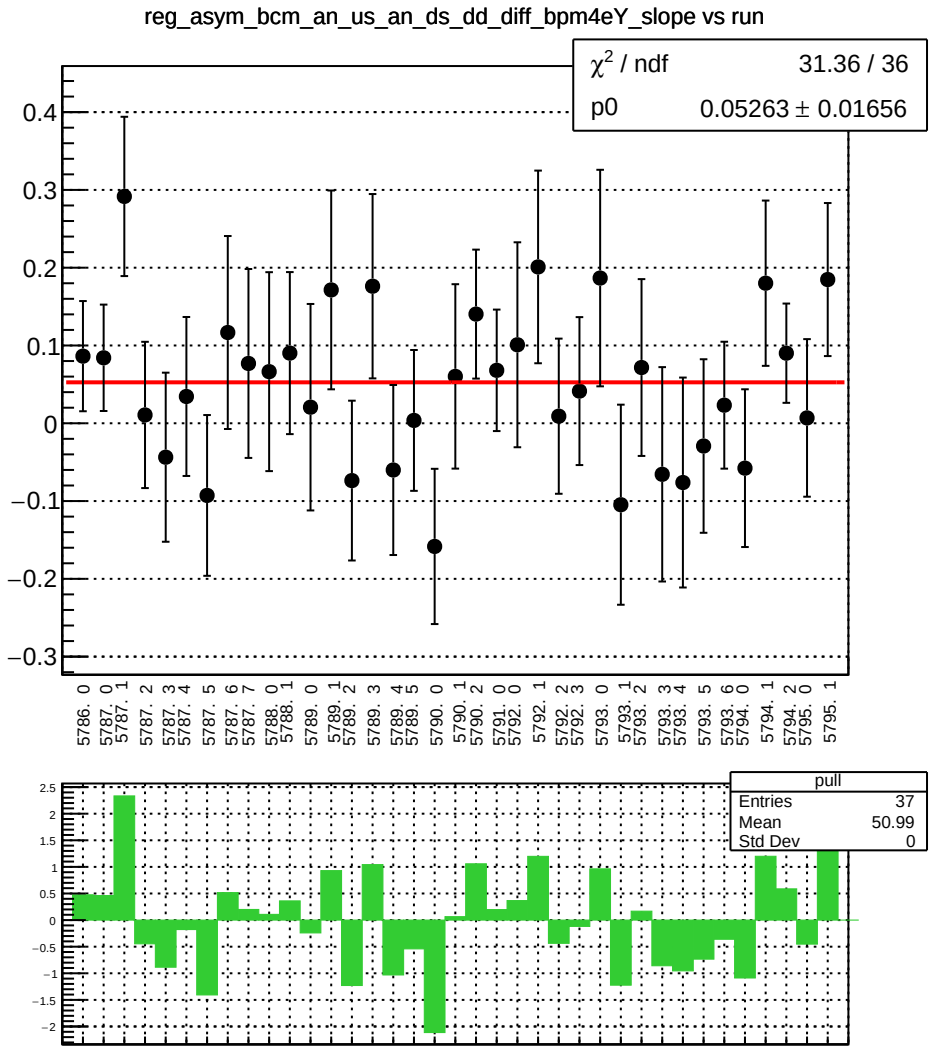

pull1D
Entries 37
Mean −0.09209
Std Dev 1.056

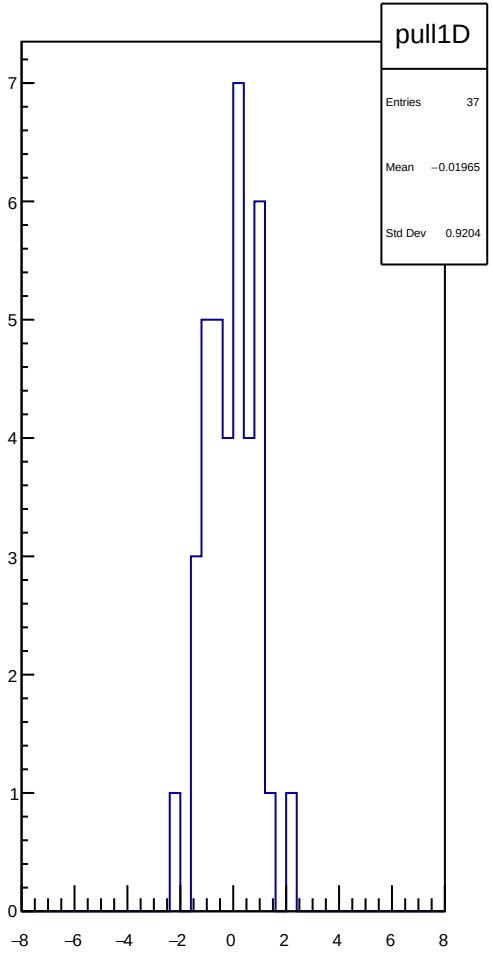

reg_asym_bcm_an_us_an_ds_avg_diff_bpm12X_slope vs run
χ² / ndf 62.52 / 36
p0 0.3529 ± 0.01299
pull
Entries 37
Mean −6.998
Std Dev 0
pull1D
Entries 37
Mean 0.1904
Std Dev 1.286

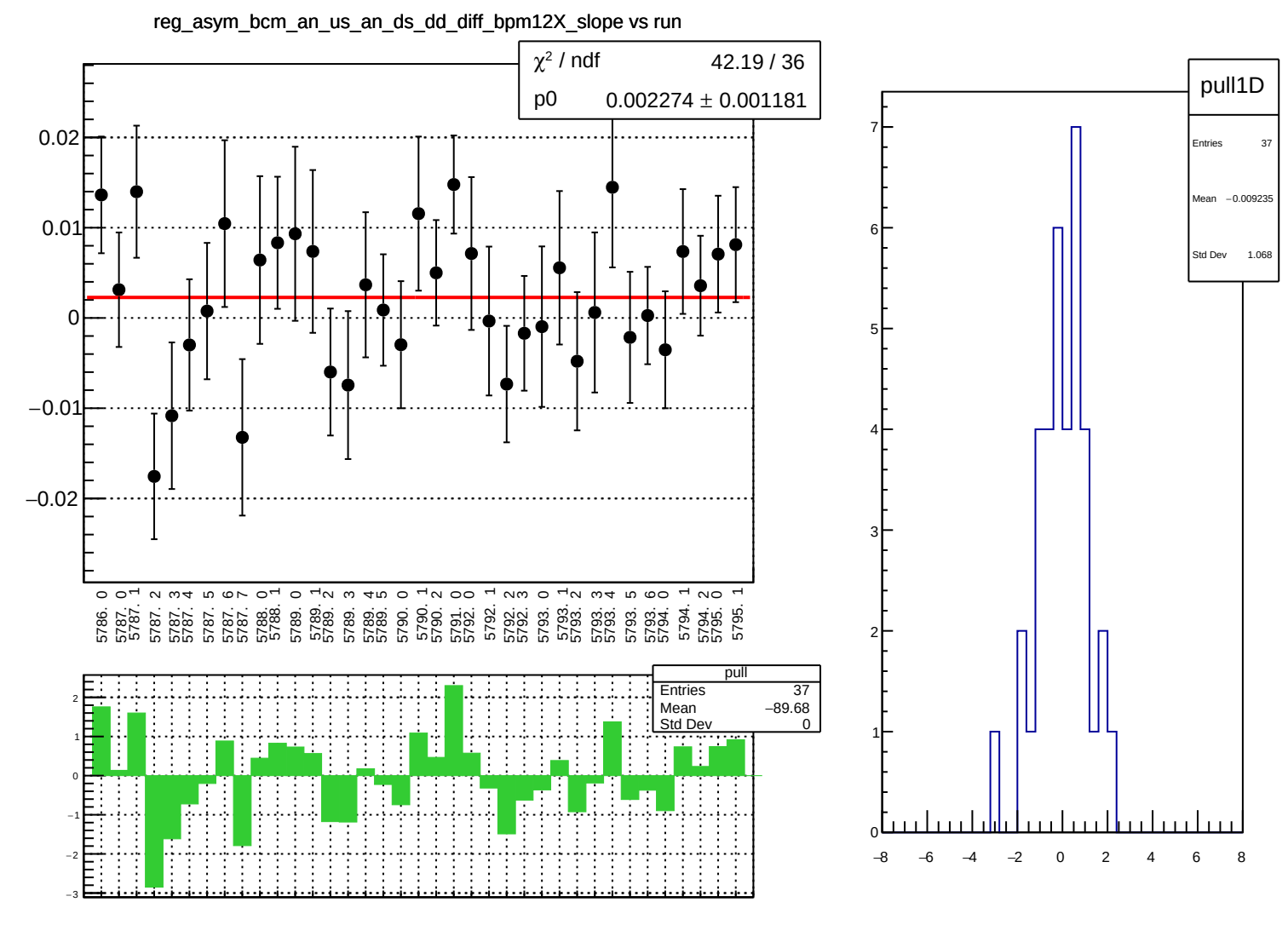

reg_asym_bcm_an_us_an_ds_dd_diff_bpm1X_slope vs run
χ² / ndf 38.58 / 36
p0 −0.007008 ± 0.009891
pull
Entries 37
Mean 294.1
Std Dev 0
pull1D
Entries 37
Mean 0.006274
Std Dev 1.021

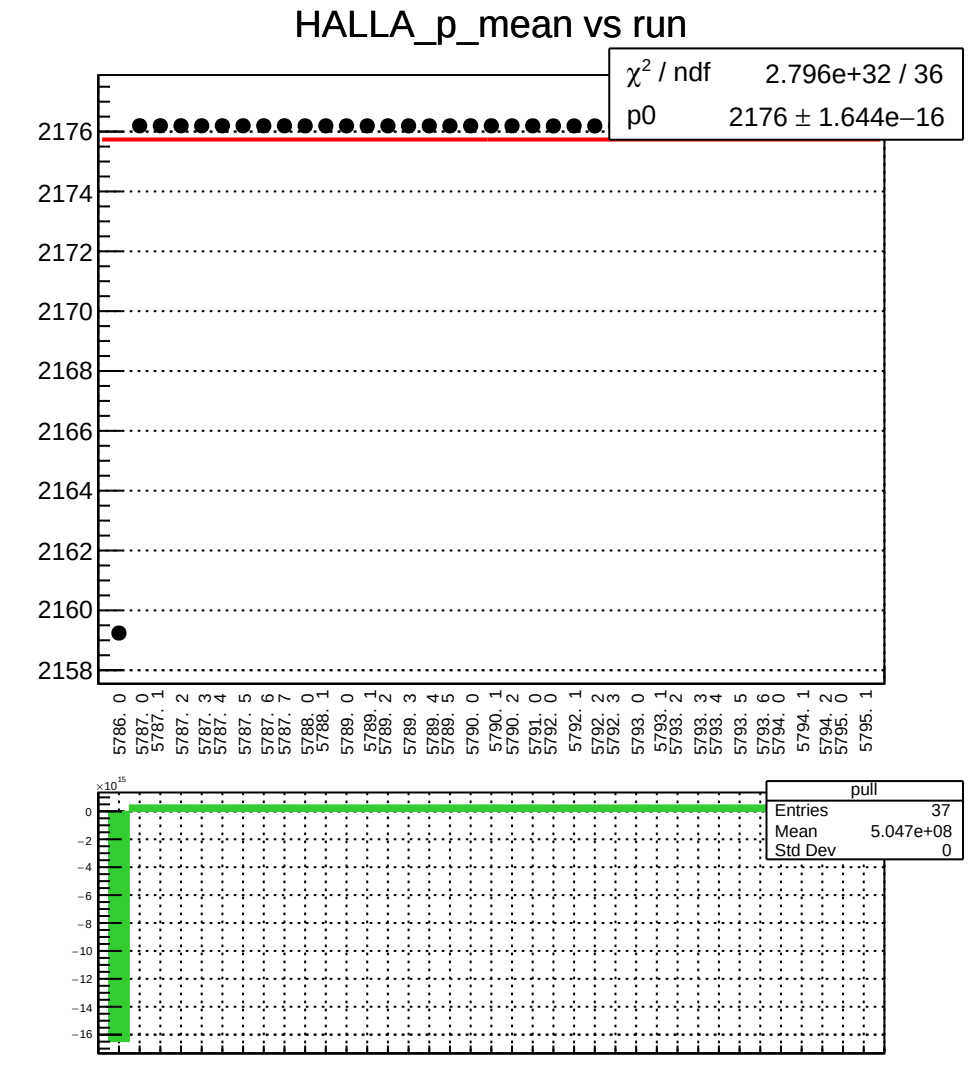

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4aY_slope vs run
χ² / ndf 29.84 / 36
p0 −0.06177 ± 0.01511
0.2
0.1
0
−0.1
−0.2
−0.3
−0.4
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 43.74
Std Dev 0
2
1.5
1
0.5
0
−0.5
−1
−1.5
−2
pull1D
Entries 37
Mean 0.01634
Std Dev 0.898
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

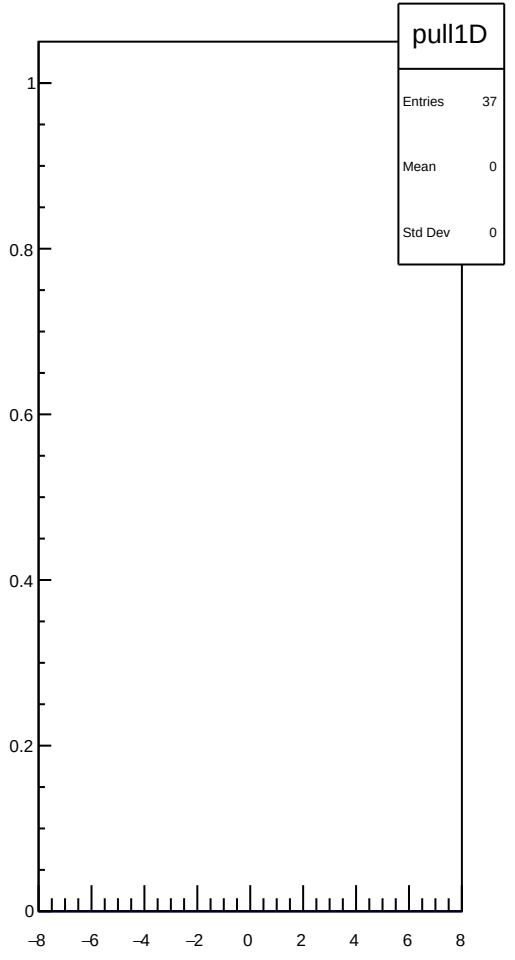

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eX_slope vs run
χ² / ndf 37.38 / 36
p0 −0.008509 ± 0.01417
0.4
0.3
0.2
0.1
0
−0.1
−0.2
−0.3
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 215.8
Std Dev 0
3
2
1
0
−1
pull1D
Entries 37
Mean −0.009935
Std Dev 1.005
8
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

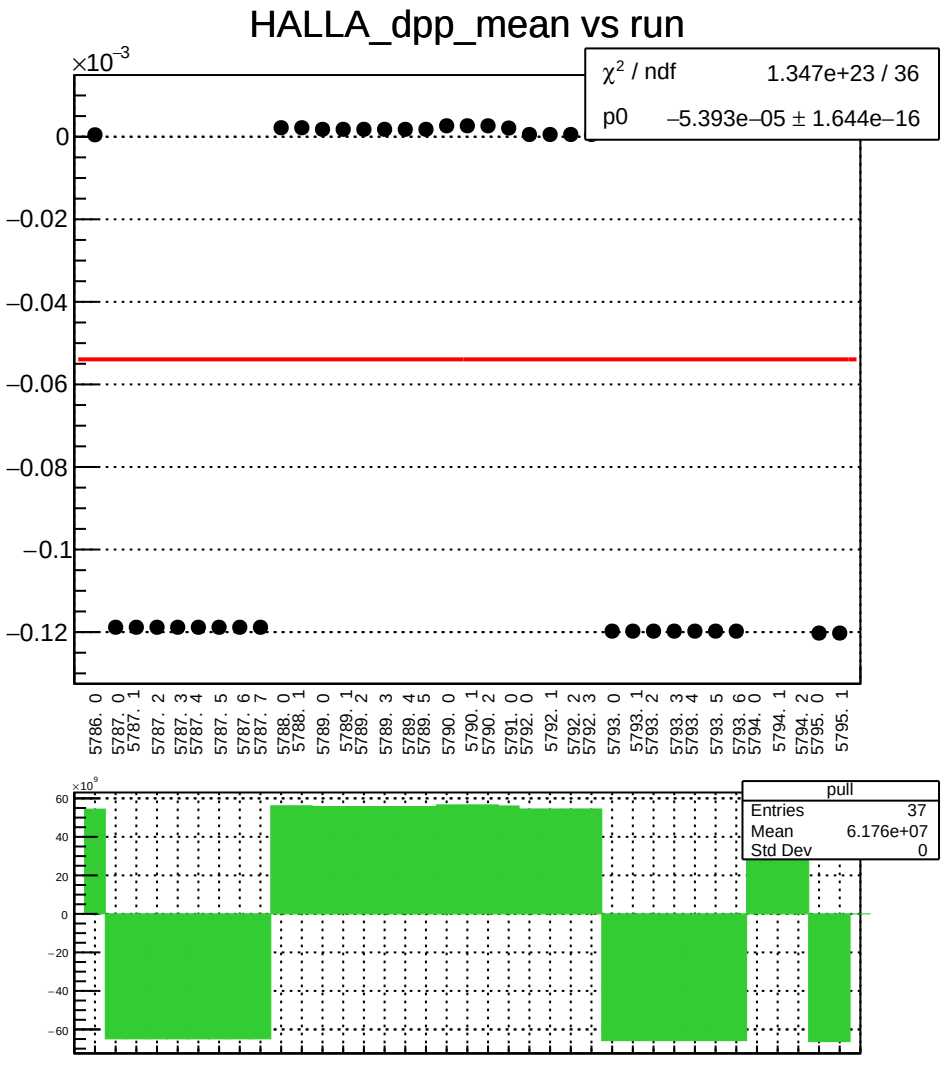

reg_asym_bcm_an_us_an_ds_dd_diff_bpm4eY_slope vs run
χ² / ndf 31.36 / 36
p0 0.05263 ± 0.01656
pull
Entries 37
Mean 50.99
Std Dev 0

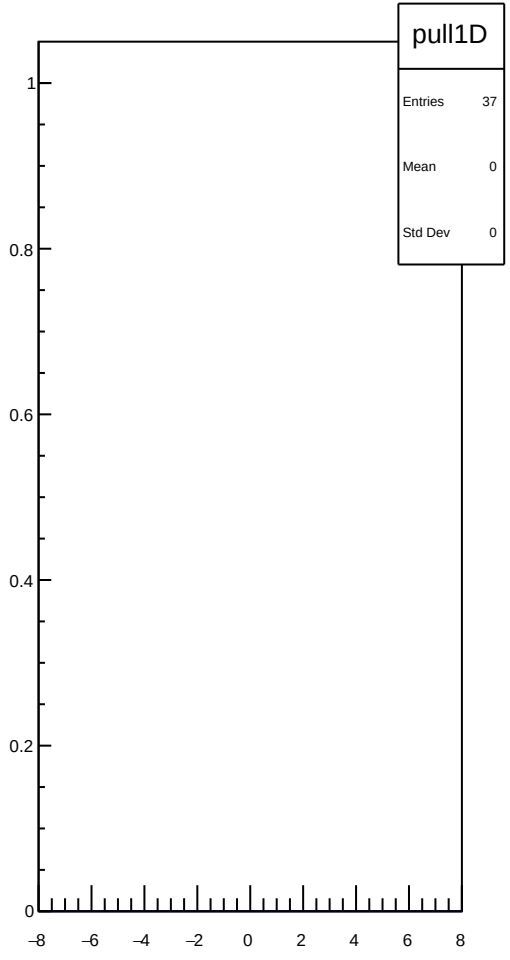

pull1D
Entries 37
Mean −0.01965
Std Dev 0.9204

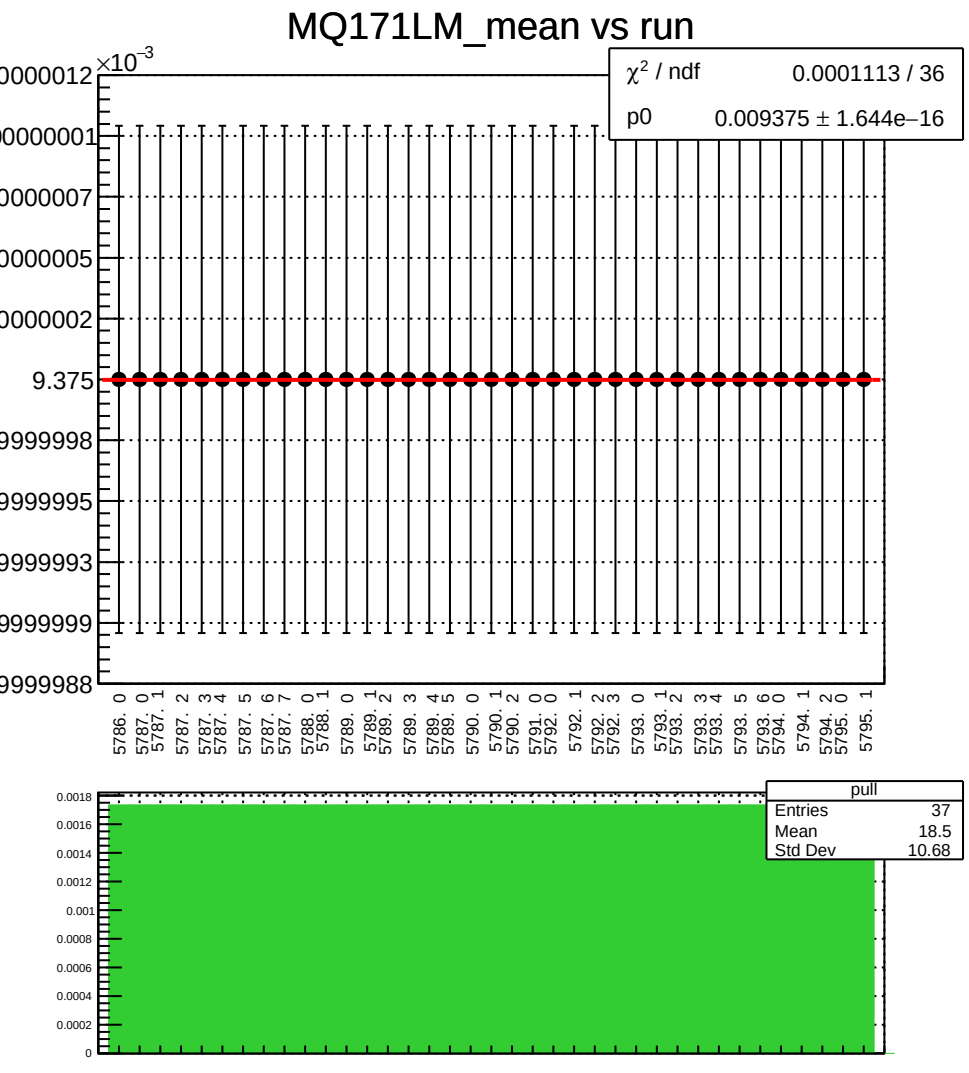

reg_asym_bcm_an_us_an_ds_dd_diff_bpm12X_slope vs run
χ² / ndf 42.19 / 36
p0 0.002274 ± 0.001181
0.02
0.01
0
−0.01
−0.02
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean −89.68
Std Dev 0
2
1
0
−1
−2
−3
pull1D
Entries 37
Mean −0.009235
Std Dev 1.068
7
6
5
4
3
2
1
0
−8
−6
−4
−2
0
2
4
6
8

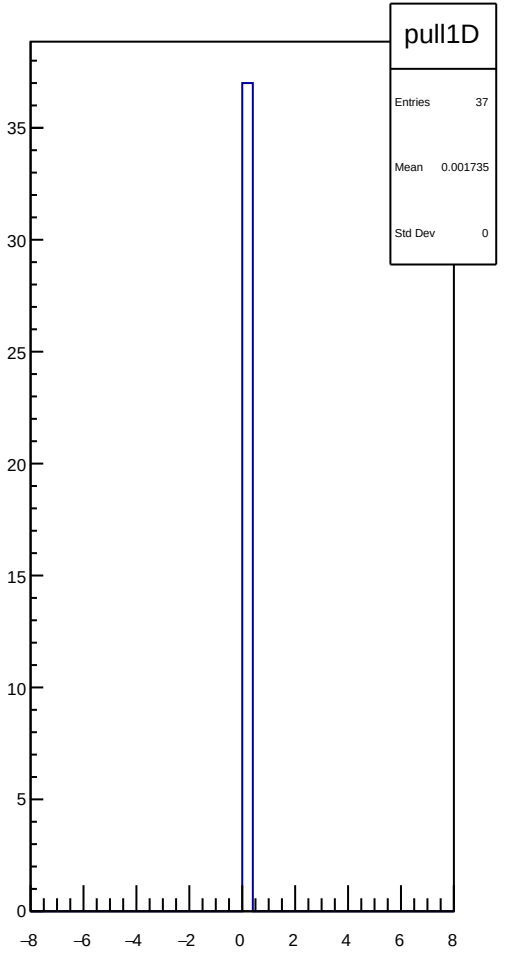

HALLA_p_mean vs run
χ² / ndf 2.796e+32 / 36
p0 2176 ± 1.644e−16
2176
2174
2172
2170
2168
2166
2164
2162
2160
2158
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹⁵
0
−2
−4
−6
−8
−10
−12
−14
−16
pull
Entries 37
Mean 5.047e+08
Std Dev 0

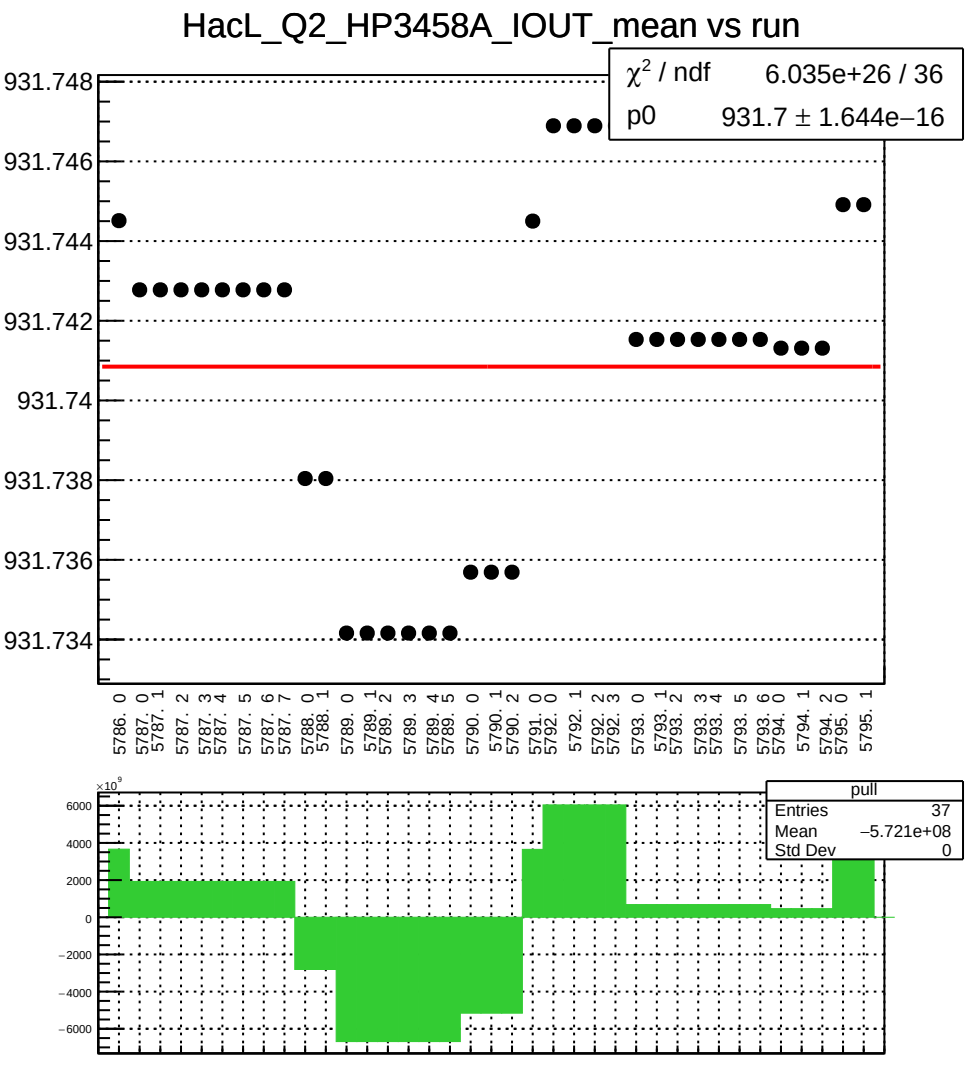

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

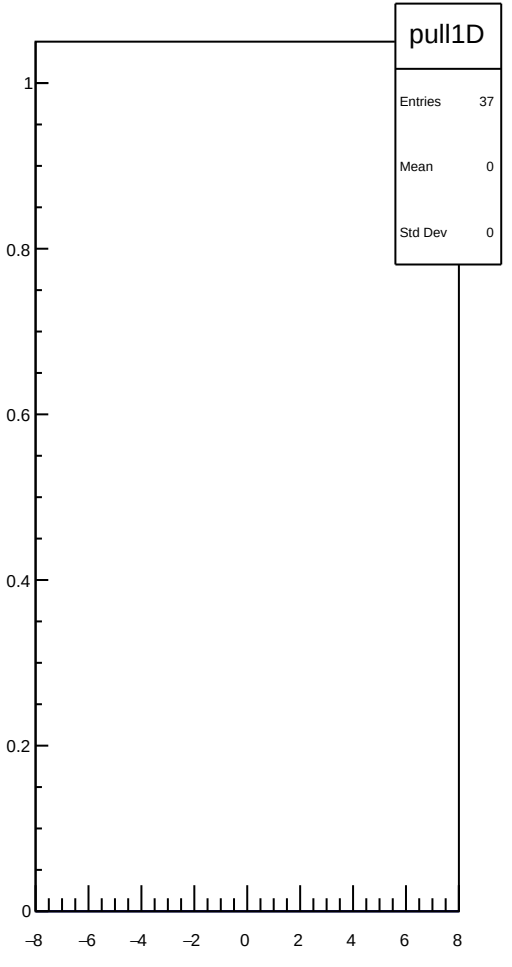

HALLA_dpp_mean vs run
χ² / ndf 1.347e+23 / 36
p0 −5.393e−05 ± 1.644e−16
×10⁻³
0
−0.02
−0.04
−0.06
−0.08
−0.1
−0.12
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
60
40
20
0
−20
−40
−60
pull
Entries 37
Mean 6.176e+07
Std Dev 0

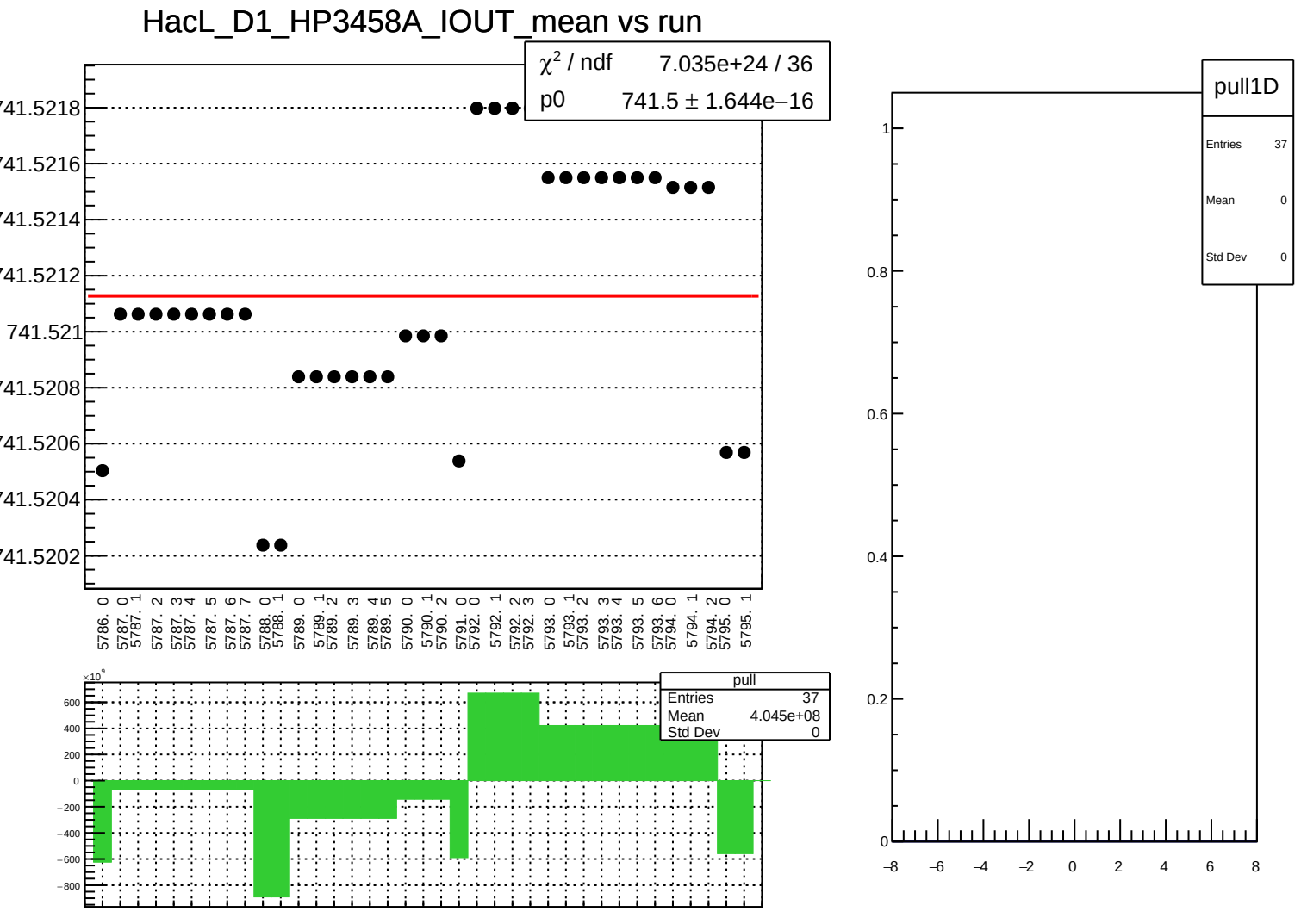

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

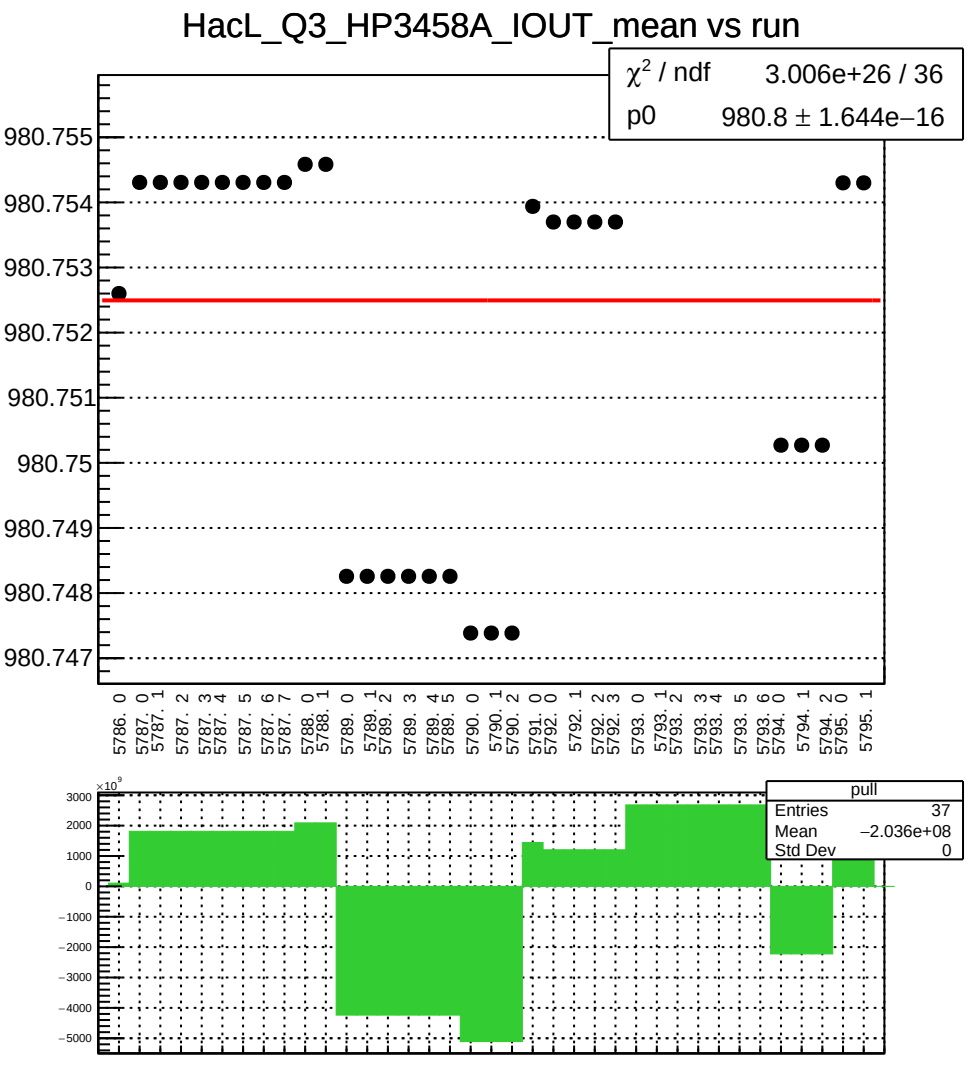

MQ171LM_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0

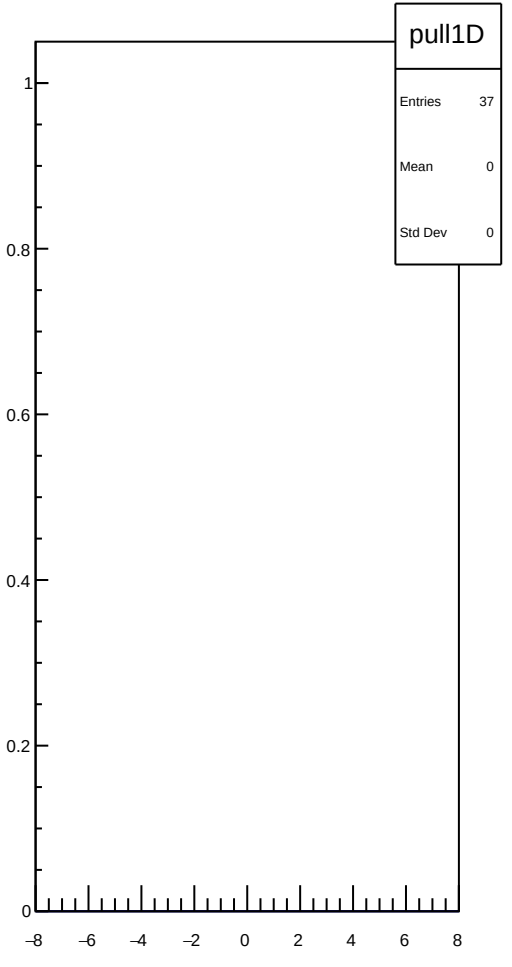

pull1D
Entries 37
Mean 0.001735
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

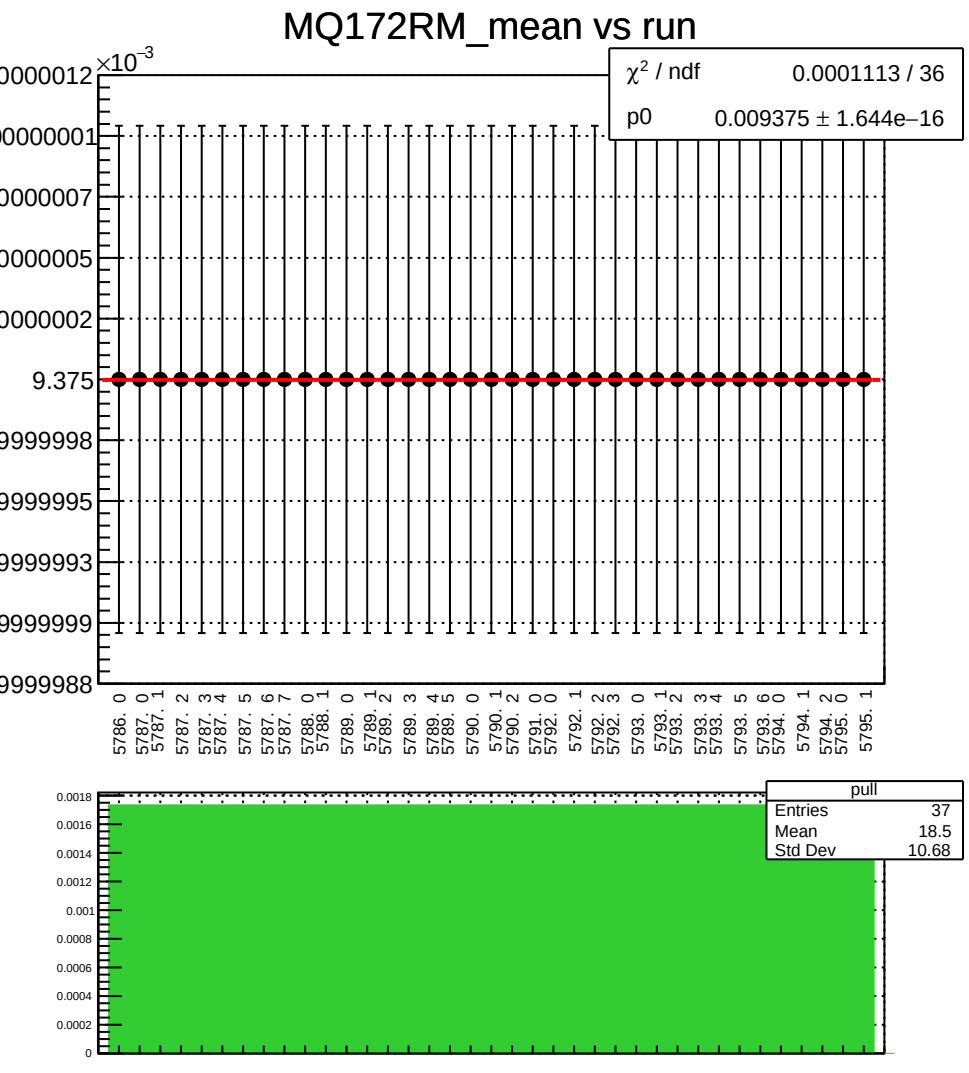

HacL_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 6.035e+26 / 36
p0 931.7 ± 1.644e−16
931.748
931.746
931.744
931.742
931.74
931.738
931.736
931.734
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
6000
4000
2000
0
−2000
−4000
−6000
pull
Entries 37
Mean −5.721e+08
Std Dev 0

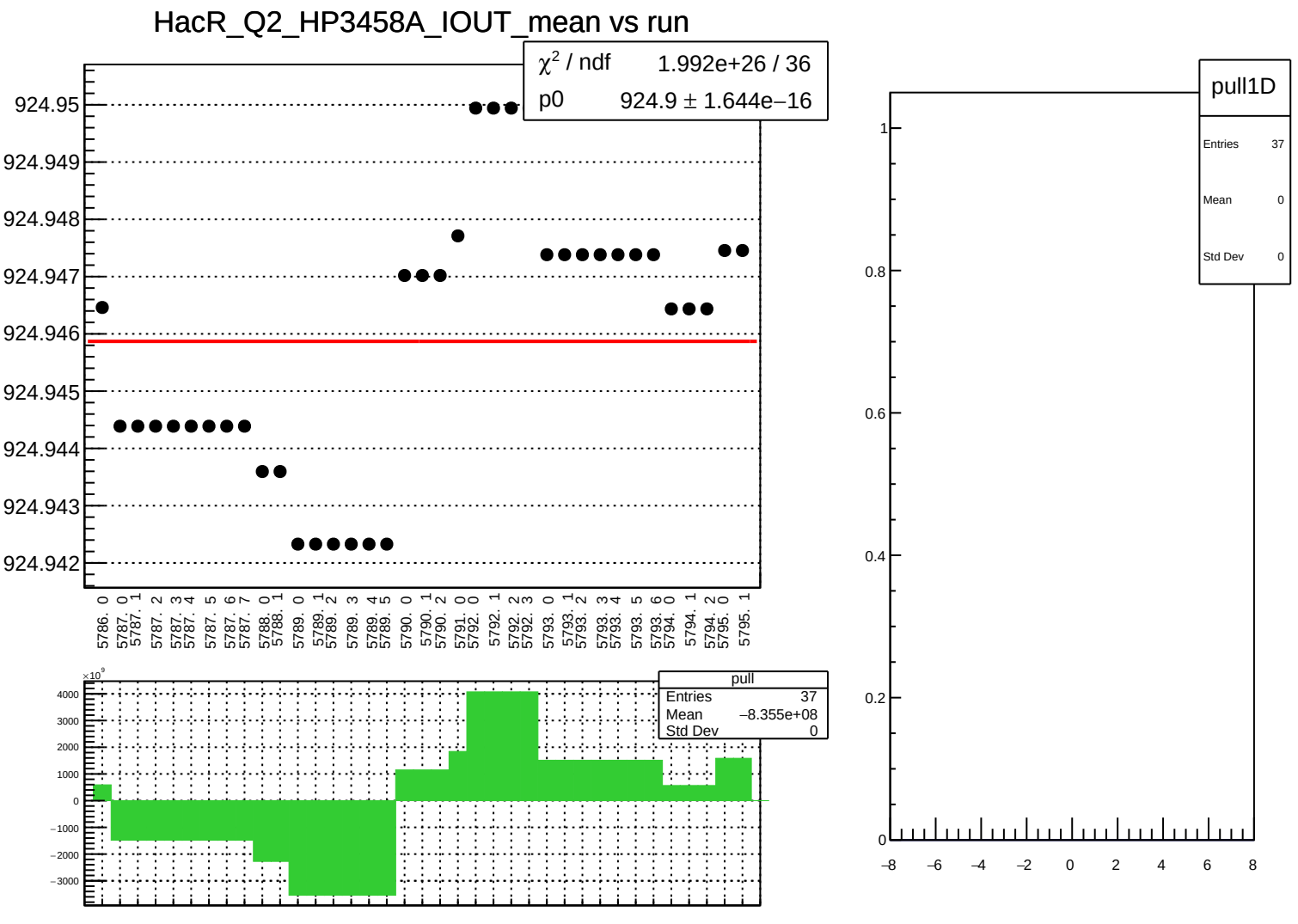

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

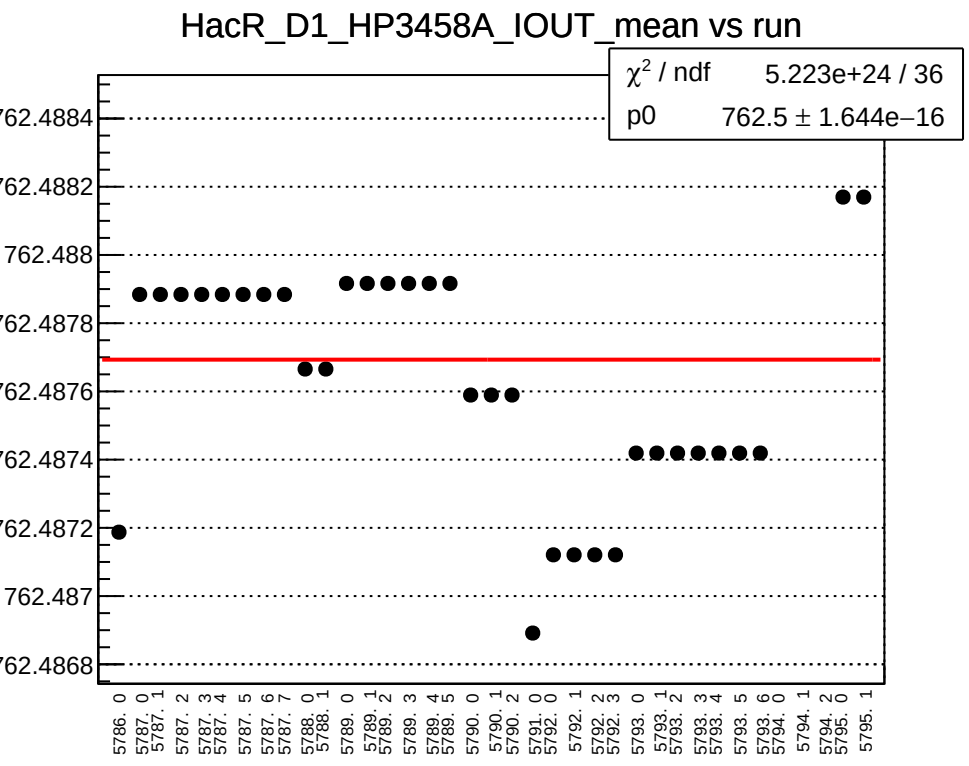

HacL_D1_HP3458A_IOUT_mean vs run
χ² / ndf 7.035e+24 / 36
p0 741.5 ± 1.644e−16
741.5218
741.5216
741.5214
741.5212
741.521
741.5208
741.5206
741.5204
741.5202
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
600
400
200
0
−200
−400
−600
−800
pull
Entries 37
Mean 4.045e+08
Std Dev 0
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

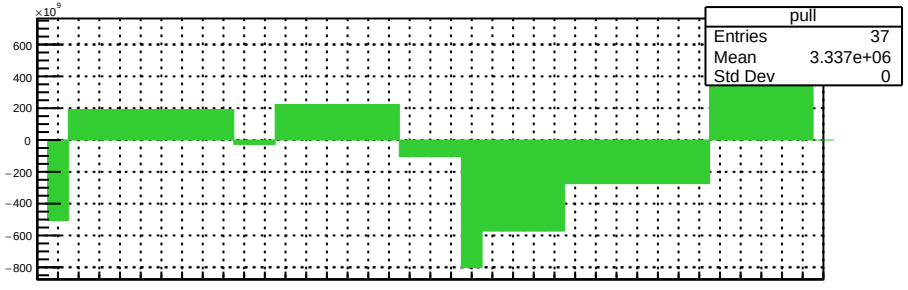

HacL_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 3.006e+26 / 36
p0 980.8 ± 1.644e−16
980.755
980.754
980.753
980.752
980.751
980.75
980.749
980.748
980.747
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
3000
2000
1000
0
−1000
−2000
−3000
−4000
−5000
pull
Entries 37
Mean −2.036e+08
Std Dev 0

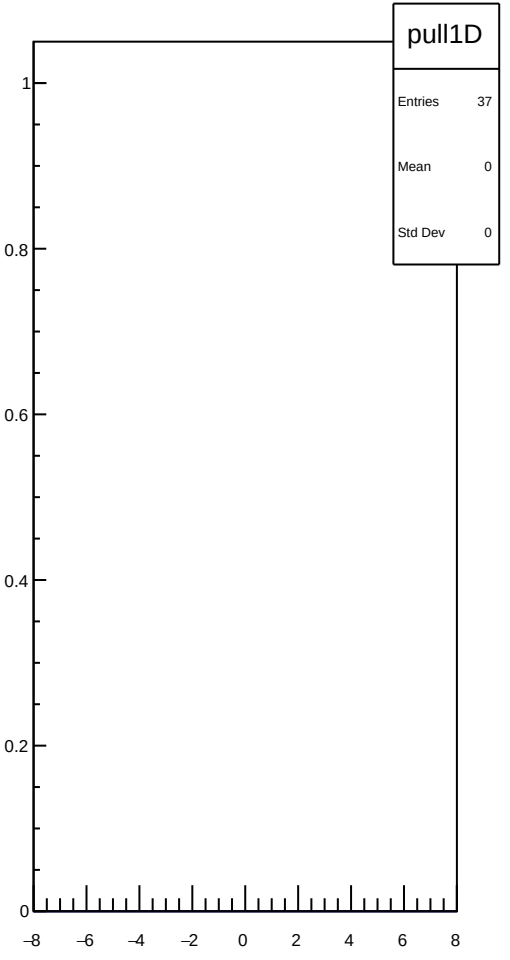

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

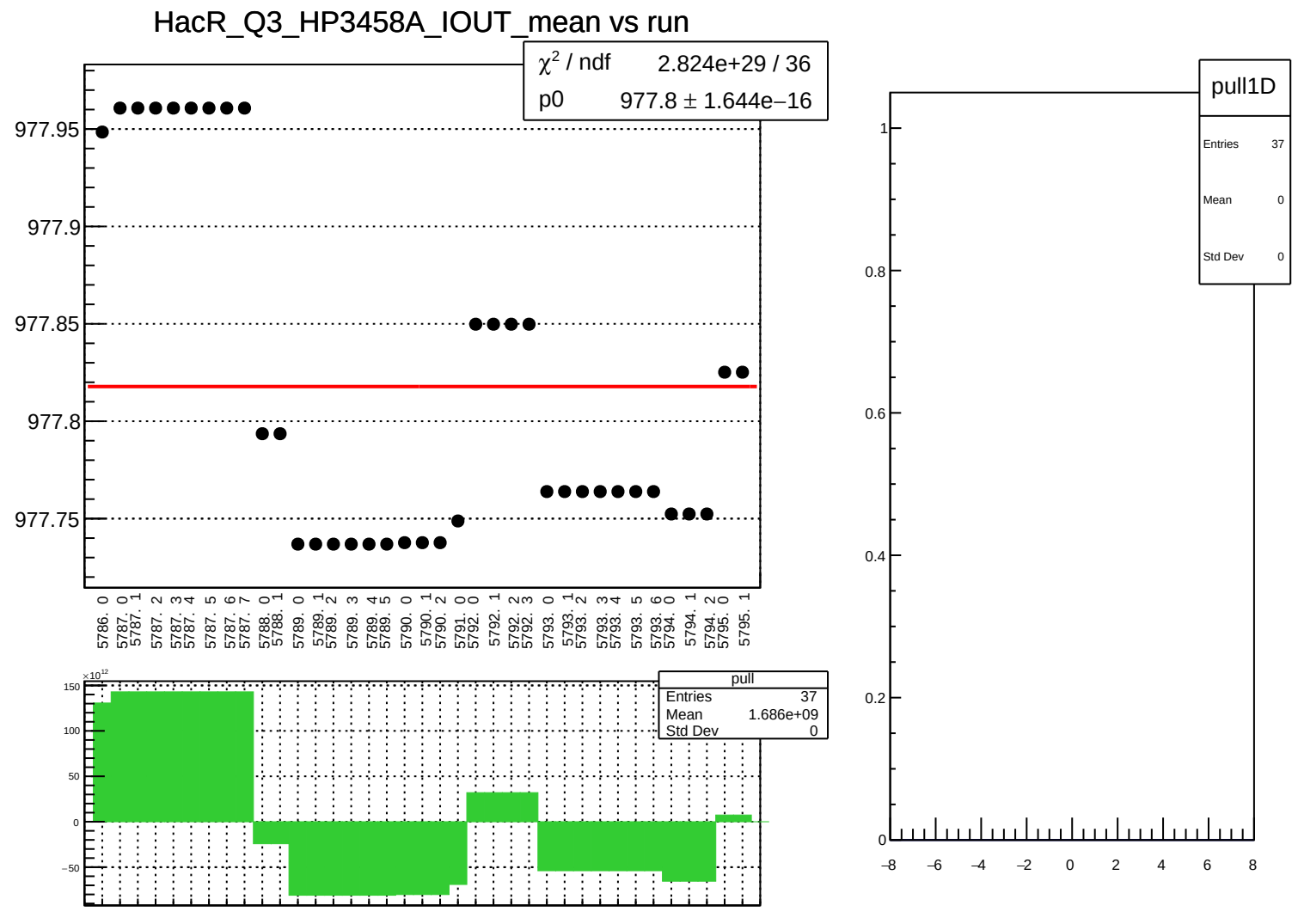

MQ172RM_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
pull1D
Entries 37
Mean 0.001735
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

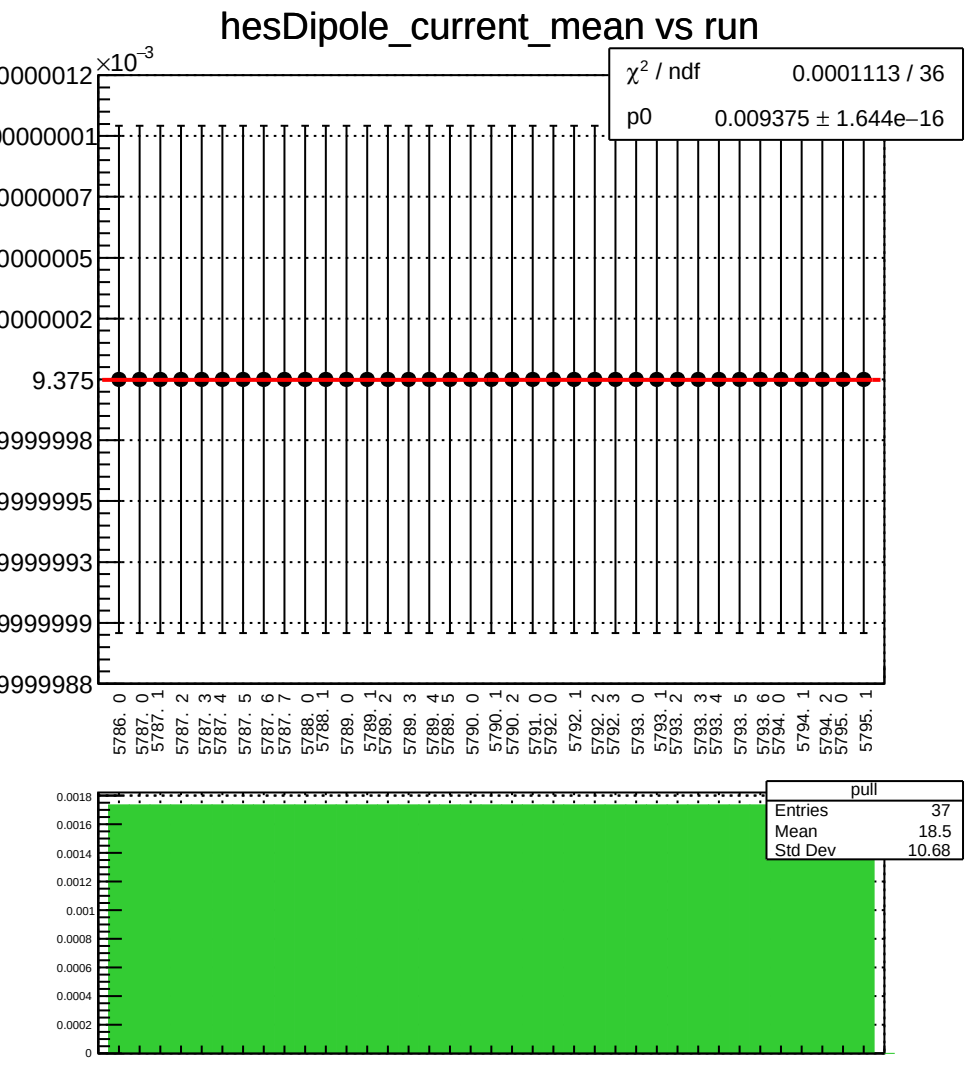

HacR_Q2_HP3458A_IOUT_mean vs run
χ² / ndf 1.992e+26 / 36
p0 924.9 ± 1.644e−16
924.95
924.949
924.948
924.947
924.946
924.945
924.944
924.943
924.942
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
4000
3000
2000
1000
0
−1000
−2000
−3000
pull
Entries 37
Mean −8.355e+08
Std Dev 0
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

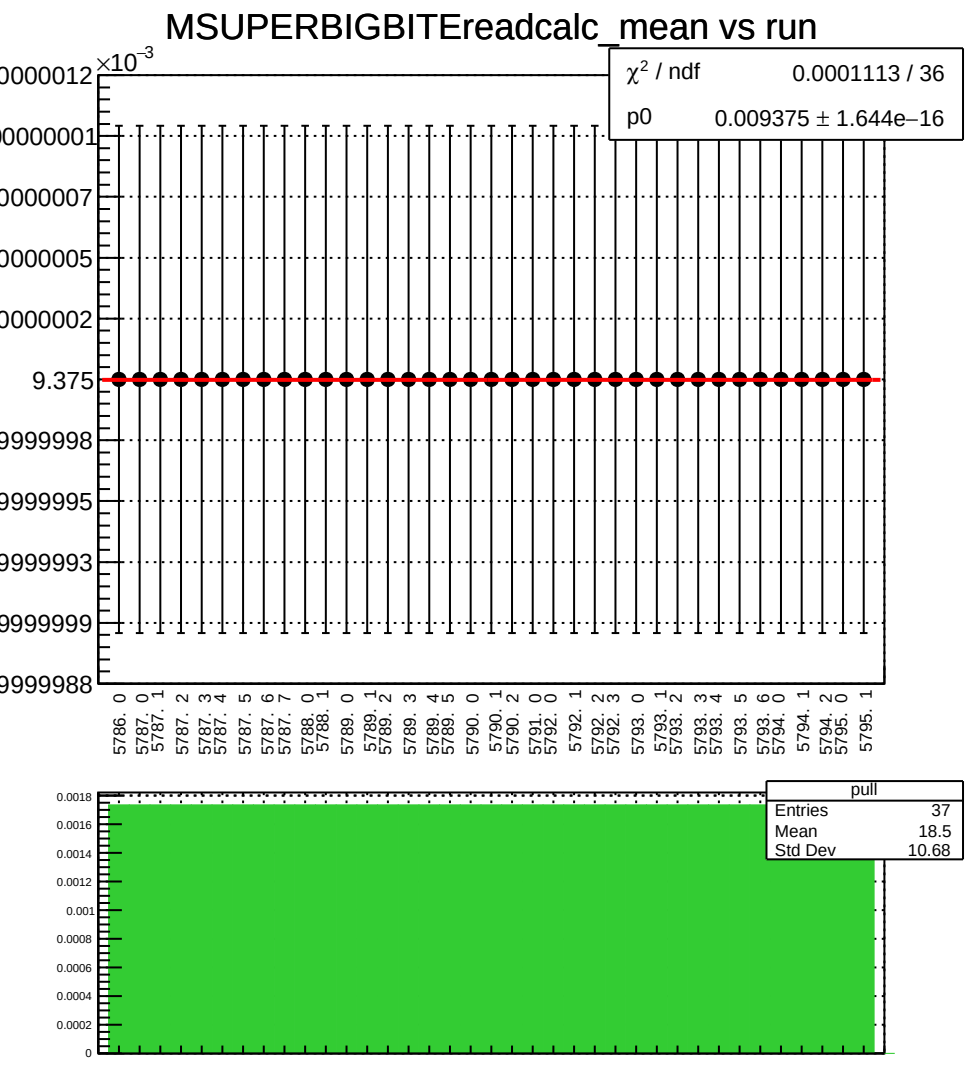

HacR_D1_HP3458A_IOUT_mean vs run
χ² / ndf 5.223e+24 / 36
p0 762.5 ± 1.644e−16
762.4884
762.4882
762.488
762.4878
762.4876
762.4874
762.4872
762.487
762.4868
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1

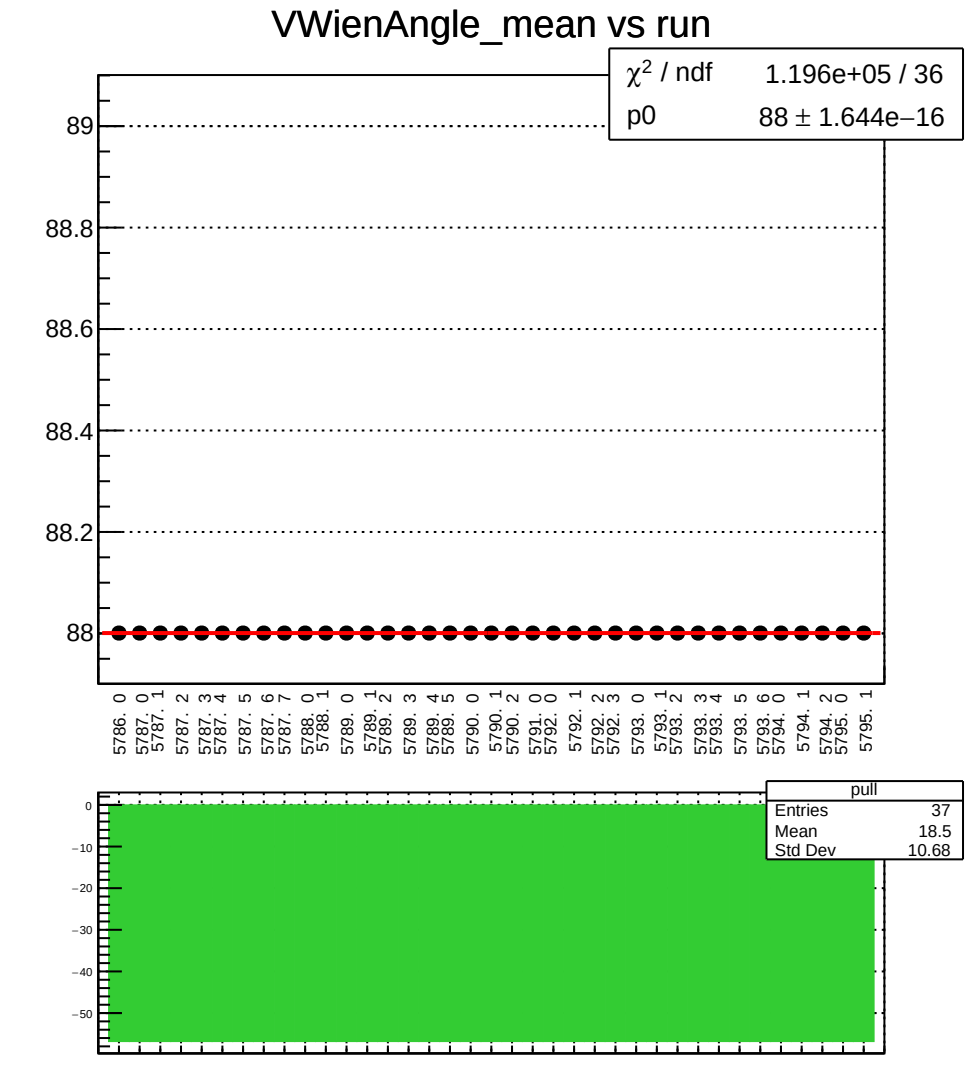

×10⁹
600
400
200
0
−200
−400
−600
−800
pull
Entries 37
Mean 3.337e+06
Std Dev 0

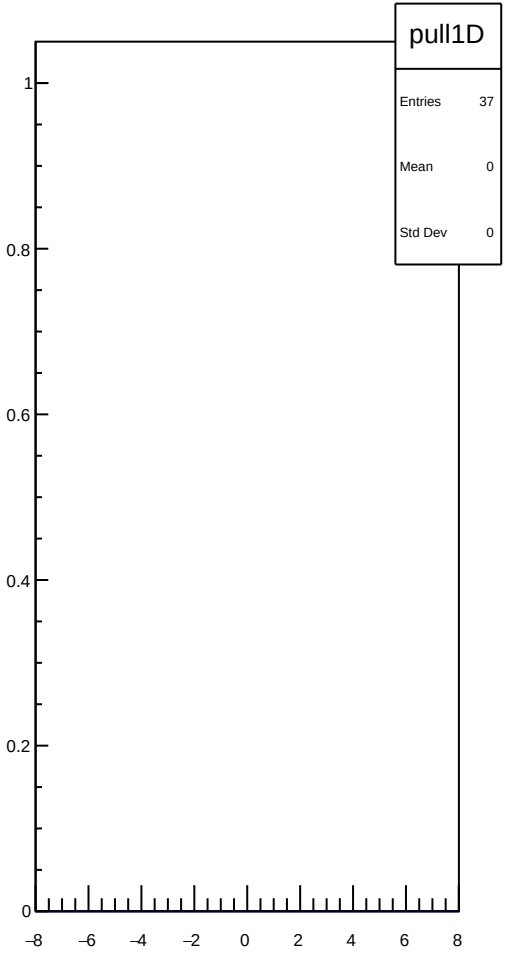

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

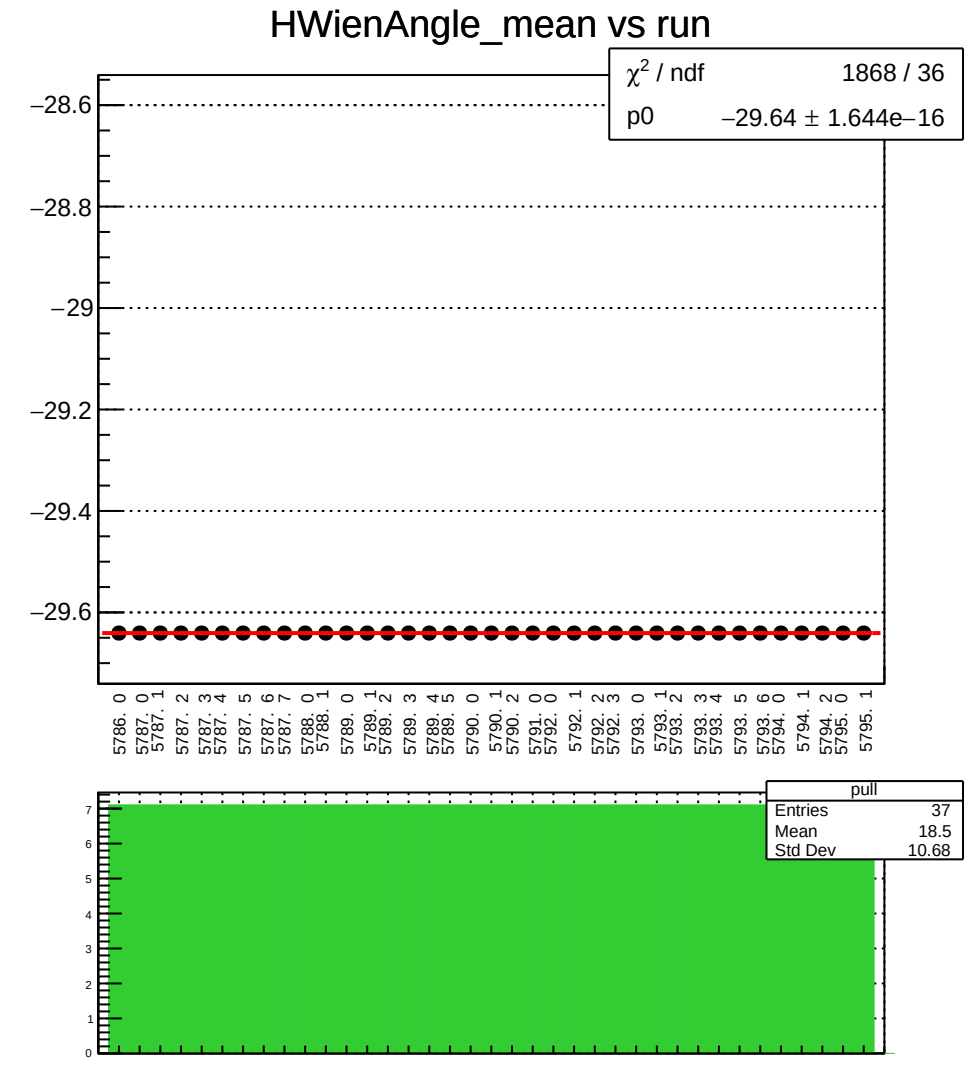

HacR_Q3_HP3458A_IOUT_mean vs run
χ² / ndf 2.824e+29 / 36
p0 977.8 ± 1.644e−16
977.95
977.9
977.85
977.8
977.75
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10¹²
150
100
50
0
−50
pull
Entries 37
Mean 1.686e+09
Std Dev 0
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

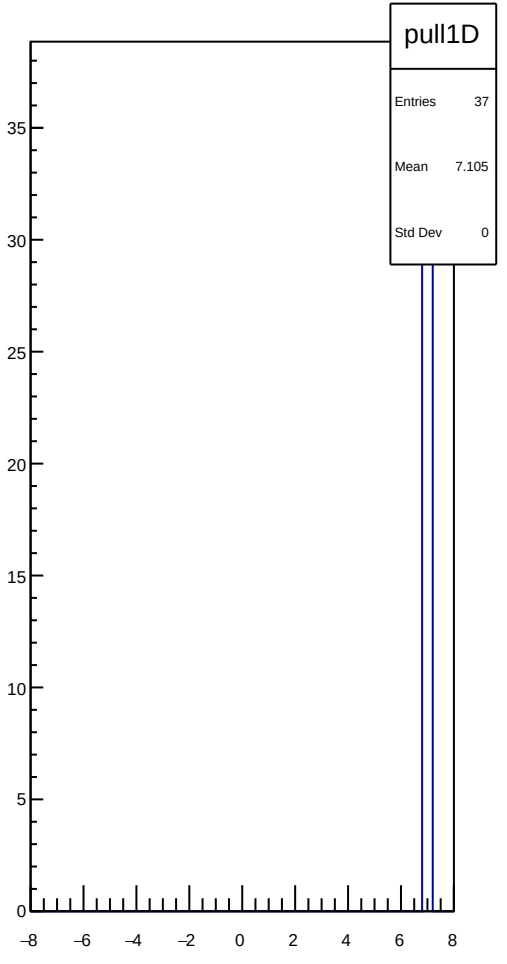

hesDipole_current_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
pull1D
Entries 37
Mean 0.001735
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

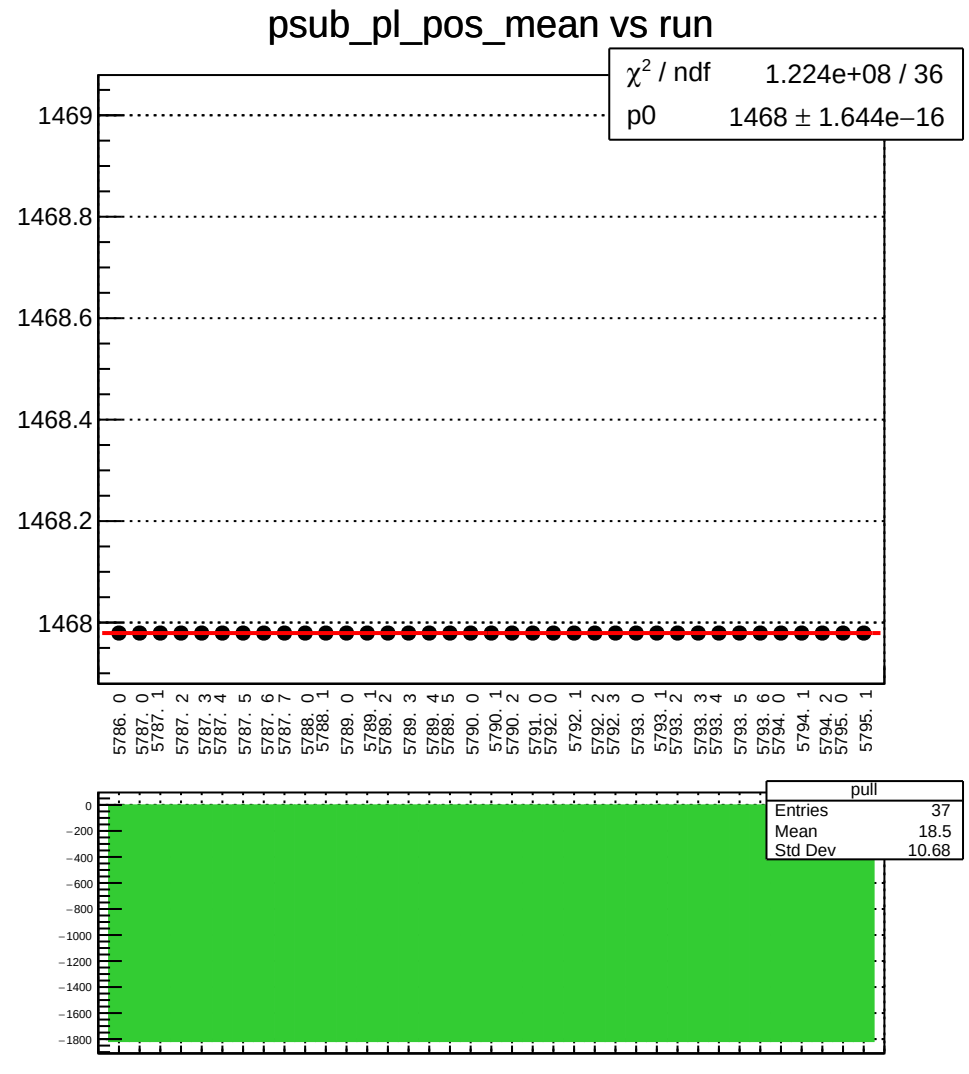

MSUPERBIGBITEreadcalc_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
0000012
0000001
0000007
0000005
0000002
9.375
9999998
9999995
9999993
9999999
9999988
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0.0018
0.0016
0.0014
0.0012
0.001
0.0008
0.0006
0.0004
0.0002
0
pull1D
Entries 37
Mean 0.001735
Std Dev 0
35
30
25
20
15
10
5
0
−8
−6
−4
−2
0
2
4
6
8

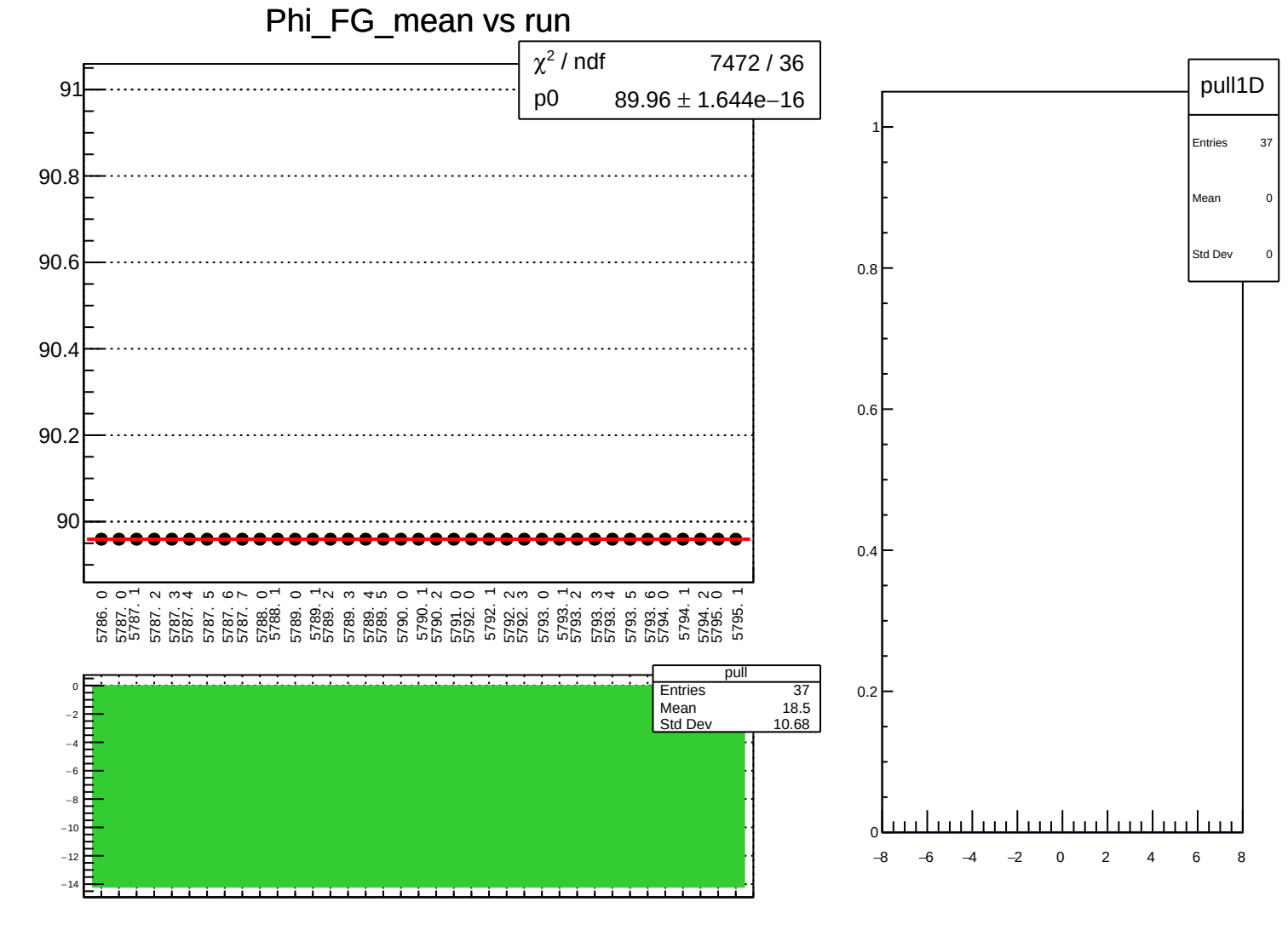

VWienAngle_mean vs run
χ² / ndf 1.196e+05 / 36
p0 88 ± 1.644e−16
89
88.8
88.6
88.4
88.2
88
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
−10
−20
−30
−40
−50

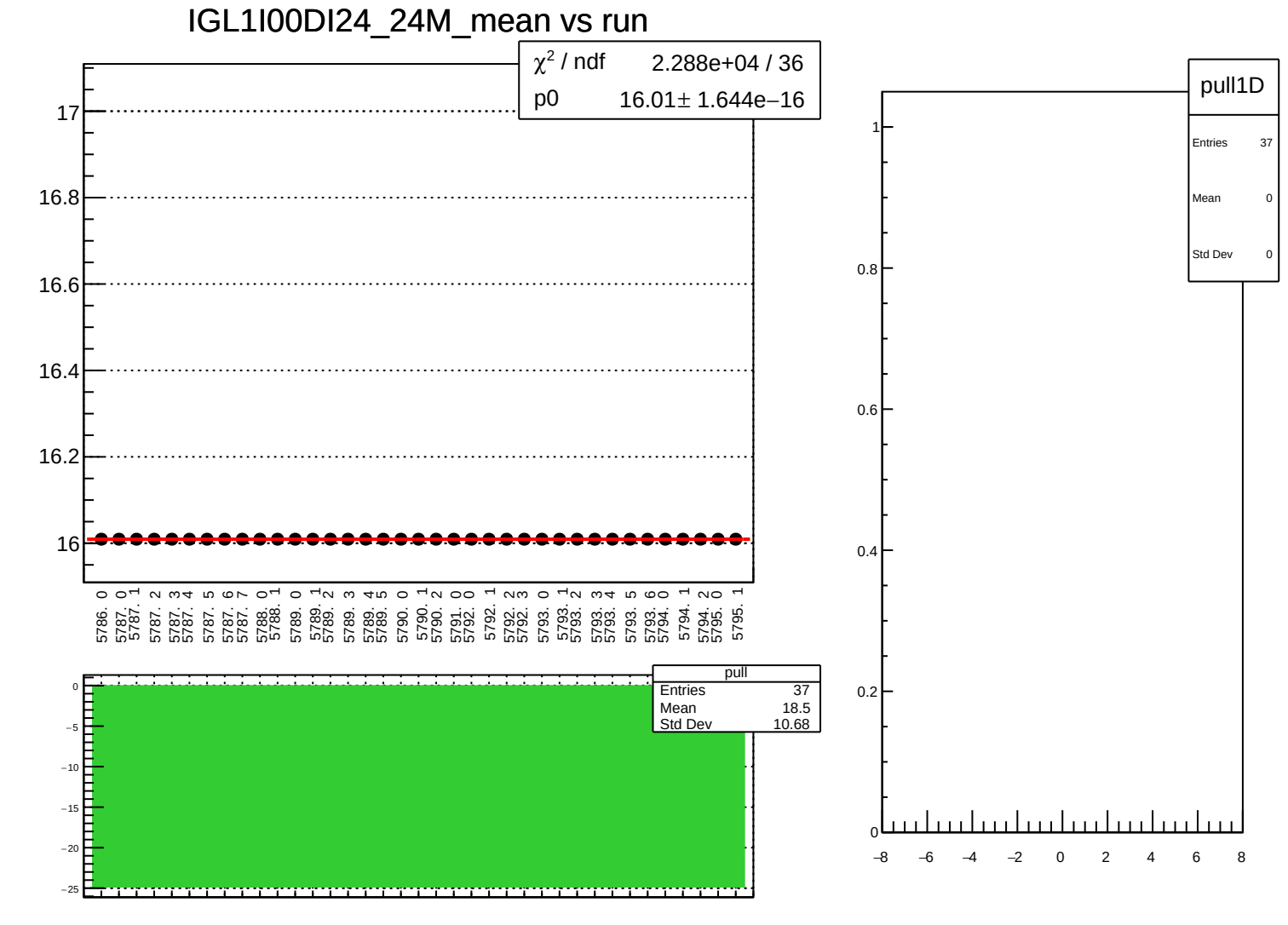

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

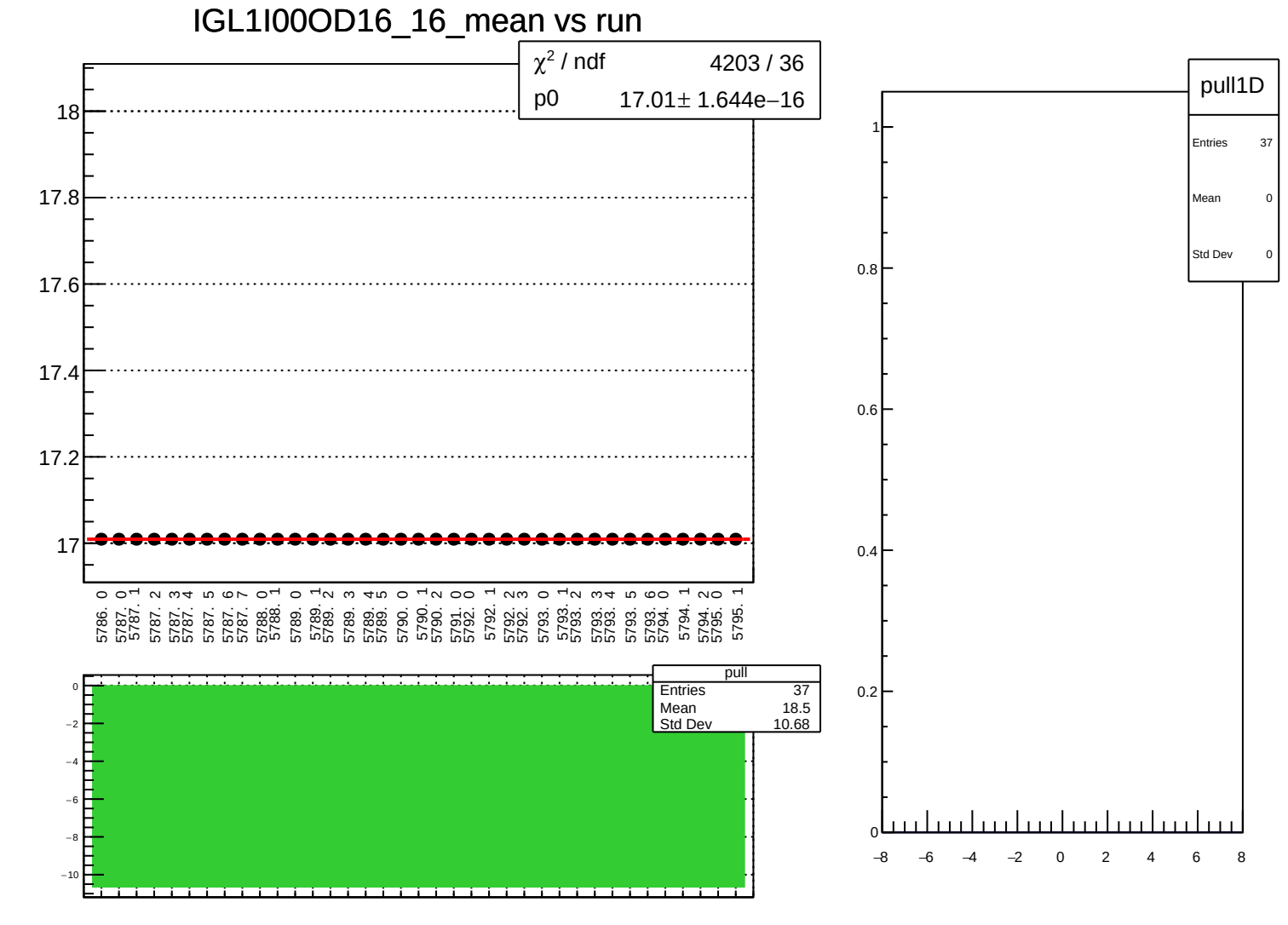

HWienAngle_mean vs run
χ² / ndf 1868 / 36
p0 −29.64 ± 1.644e−16
−28.6
−28.8
−29
−29.2
−29.4
−29.6
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
1
2
3
4
5
6
7

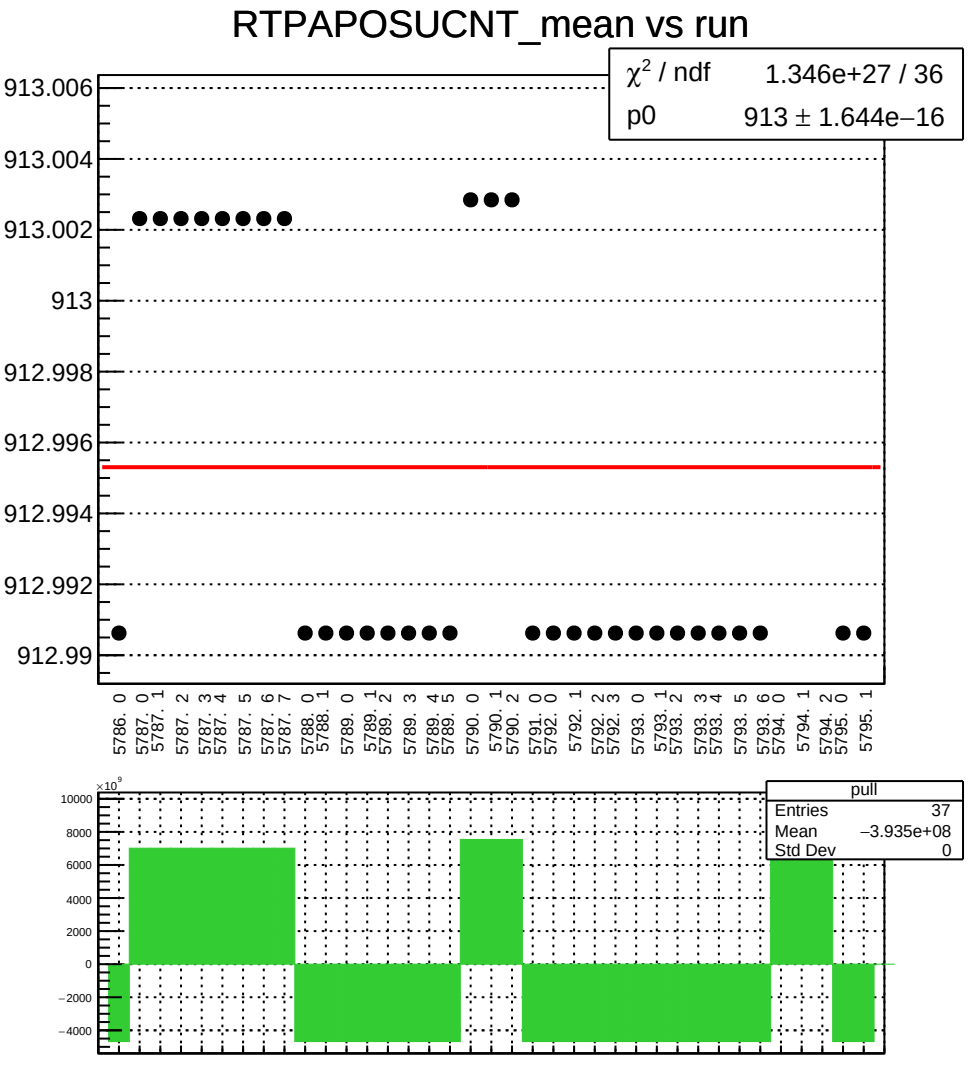

pull1D
Entries 37
Mean 7.105
Std Dev 0
0
5
10
15
20
25
30
35
−8
−6
−4
−2
0
2
4
6
8

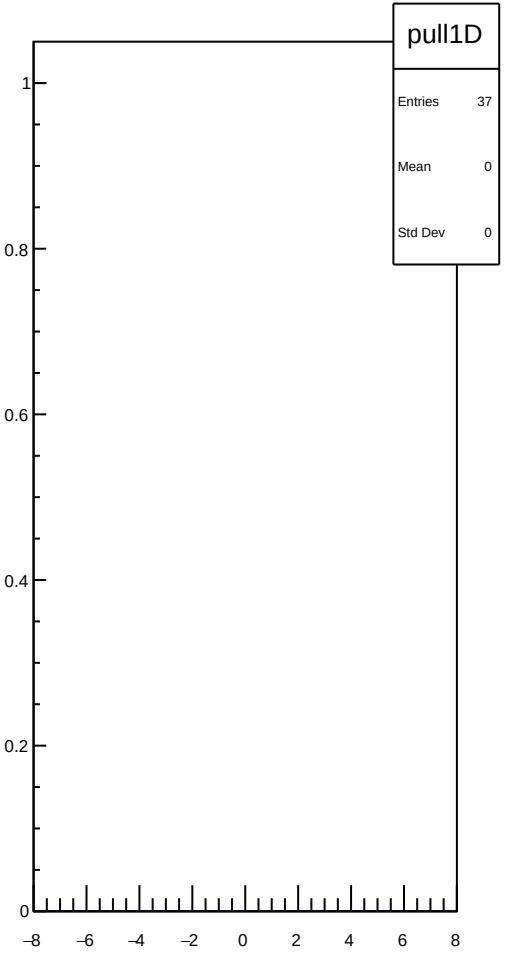

psub_pl_pos_mean vs run
χ² / ndf 1.224e+08 / 36
p0 1468 ± 1.644e−16
1469
1468.8
1468.6
1468.4
1468.2
1468
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
−200
−400
−600
−800
−1000
−1200
−1400
−1600
−1800
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

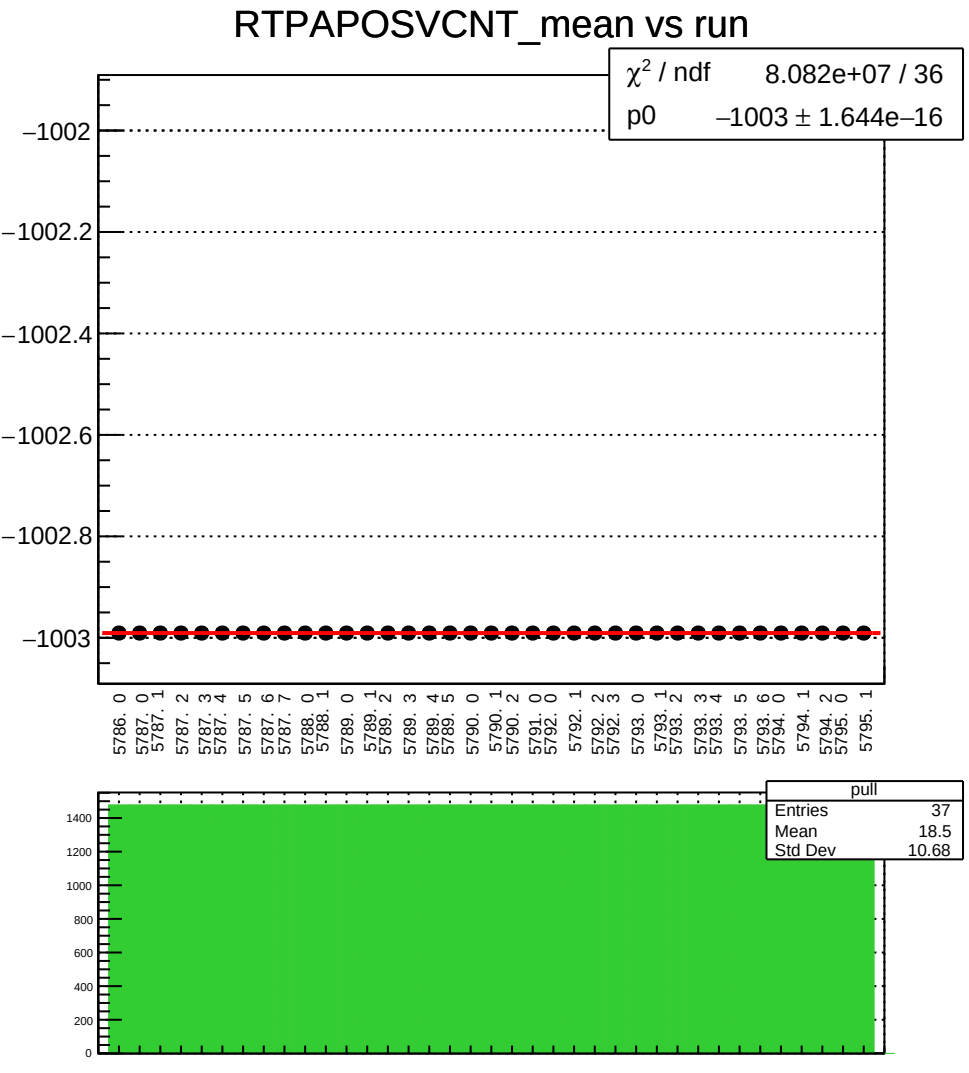

Phi_FG_mean vs run
χ² / ndf 7472 / 36
p0 89.96 ± 1.644e−16
91
90.8
90.6
90.4
90.2
90
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
−2
−4
−6
−8
−10
−12
−14
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

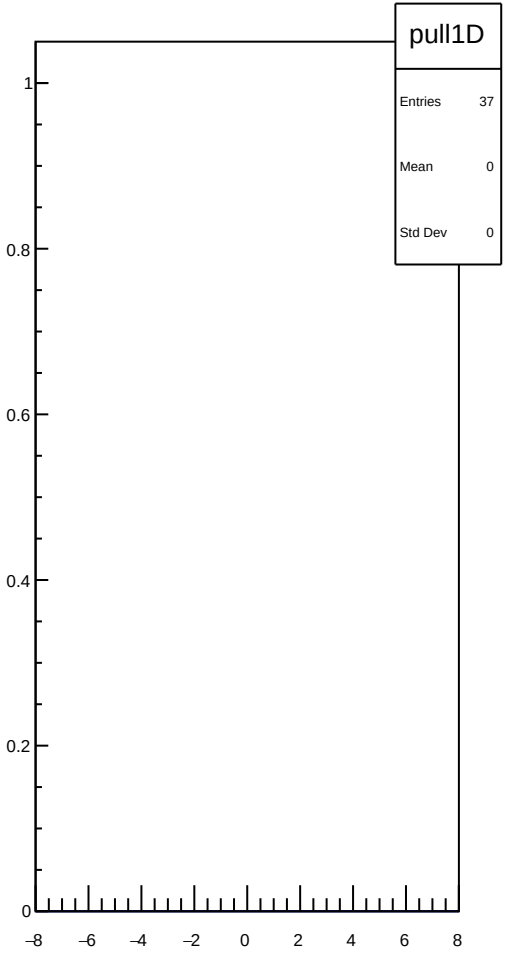

IGL1I00DI24_24M_mean vs run
χ² / ndf 2.288e+04 / 36
p0 16.01± 1.644e−16
17
16.8
16.6
16.4
16.2
16
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
−5
−10
−15
−20
−25
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

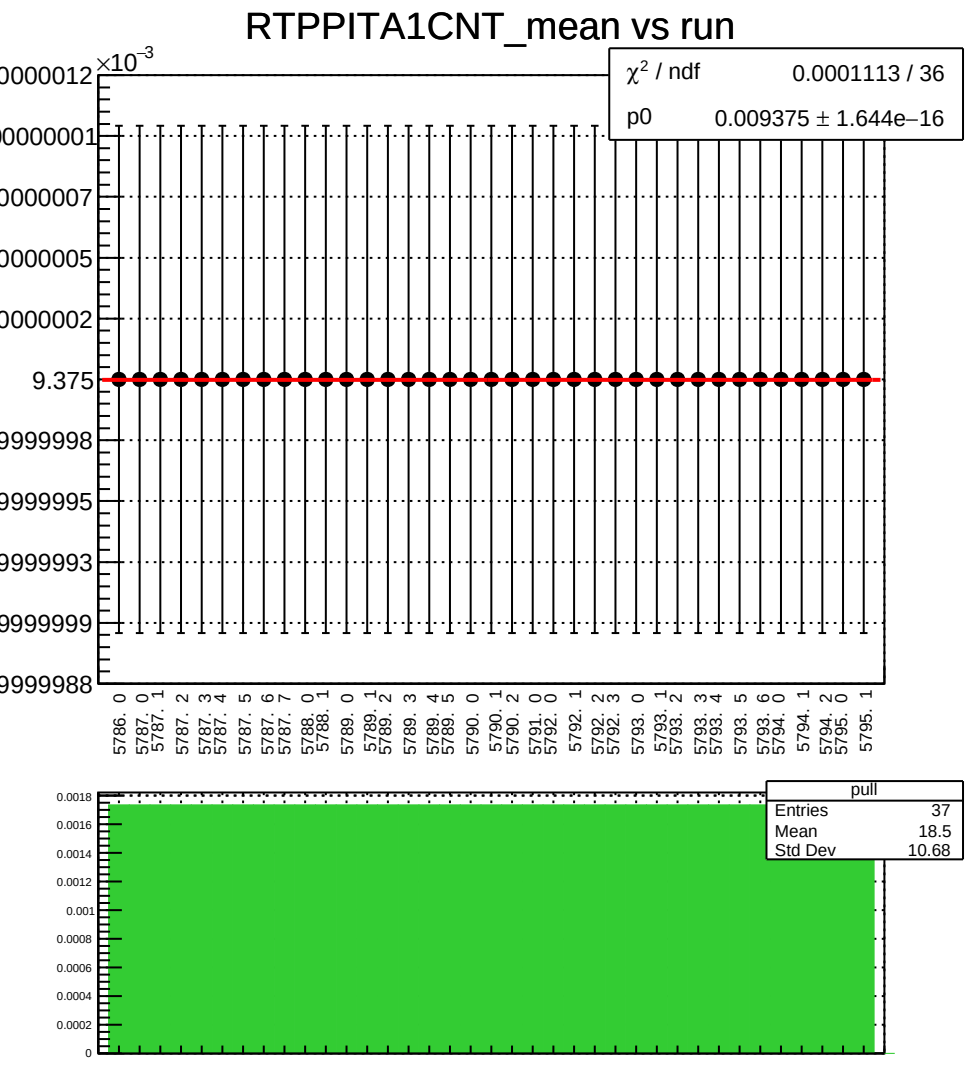

IGL1I00OD16_16_mean vs run
χ² / ndf 4203 / 36
p0 17.01± 1.644e−16
18
17.8
17.6
17.4
17.2
17
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
0
−2
−4
−6
−8
−10
pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

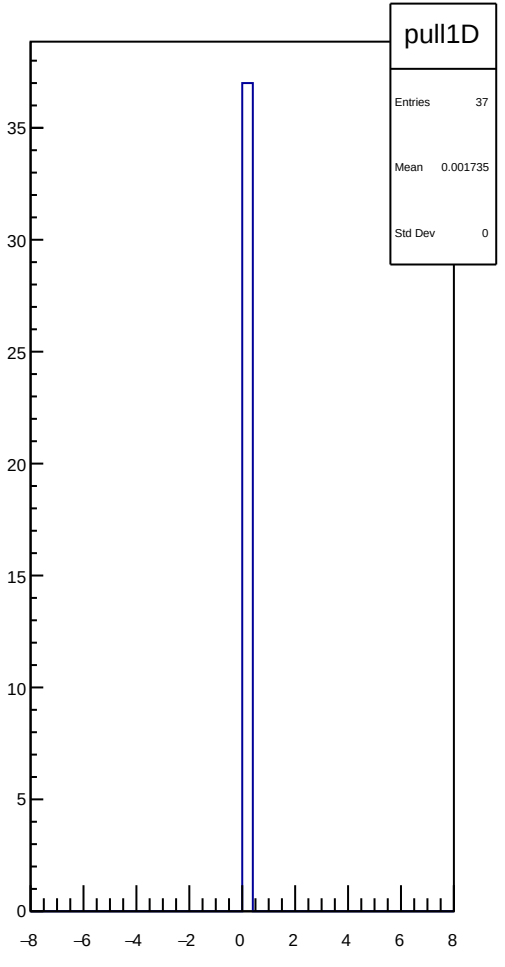

RTPAPOSUCNT_mean vs run
χ² / ndf 1.346e+27 / 36
p0 913 ± 1.644e−16
913.006
913.004
913.002
913
912.998
912.996
912.994
912.992
912.99
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
×10⁹
10000
8000
6000
4000
2000
0
−2000
−4000
pull
Entries 37
Mean −3.935e+08
Std Dev 0

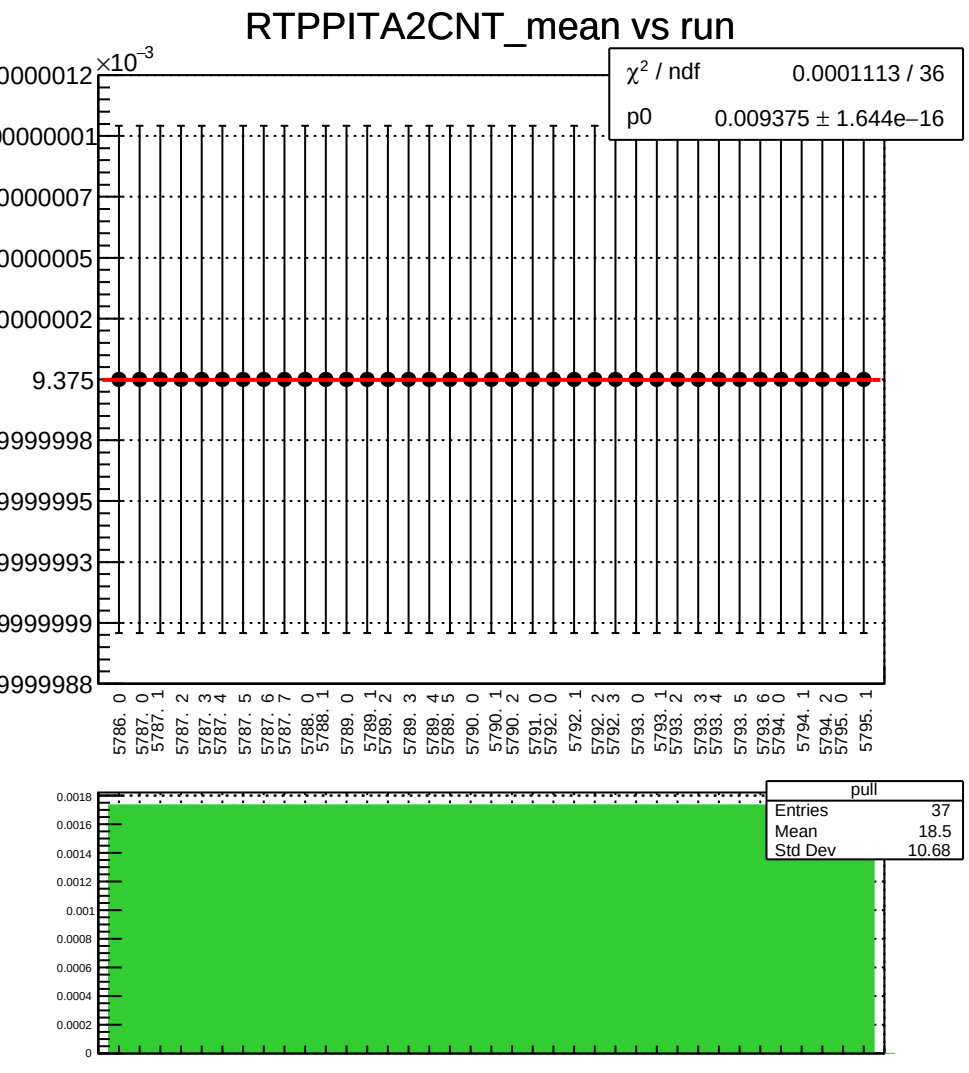

pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8

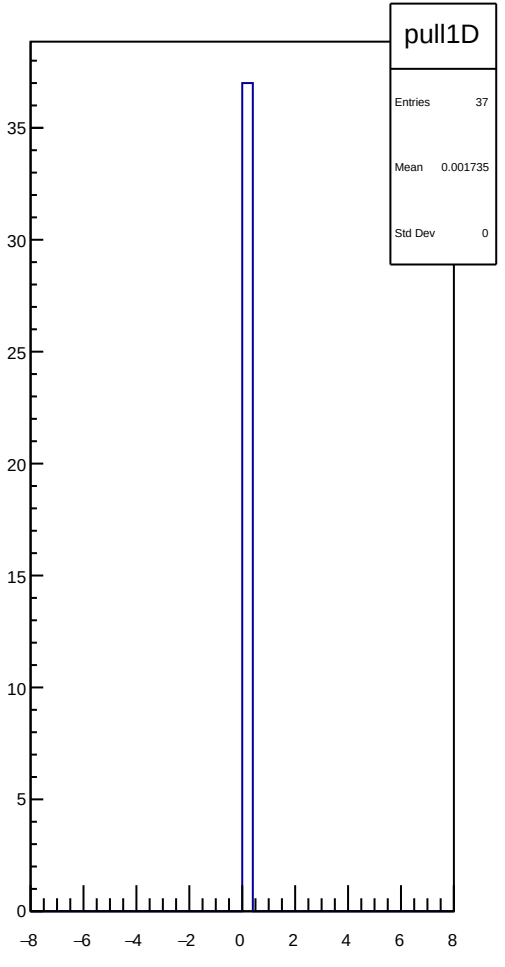

RTPAPOSVCNT_mean vs run
χ² / ndf 8.082e+07 / 36
p0 −1003 ± 1.644e−16
−1002
−1002.2
−1002.4
−1002.6
−1002.8
−1003
5786. 0
5787. 0
5787. 1
5787. 2
5787. 3
5787. 4
5787. 5
5787. 6
5787. 7
5788. 0
5788. 1
5789. 0
5789. 1
5789. 2
5789. 3
5789. 4
5789. 5
5790. 0
5790. 1
5790. 2
5791. 0
5792. 0
5792. 1
5792. 2
5792. 3
5793. 0
5793. 1
5793. 2
5793. 3
5793. 4
5793. 5
5793. 6
5794. 0
5794. 1
5794. 2
5795. 0
5795. 1
pull
Entries 37
Mean 18.5
Std Dev 10.68
1400
1200
1000
800
600
400
200
0


pull1D
Entries 37
Mean 0
Std Dev 0
1
0.8
0.6
0.4
0.2
0
−8
−6
−4
−2
0
2
4
6
8


RTPPITA1CNT_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
pull
Entries 37
Mean 18.5
Std Dev 10.68


pull1D
Entries 37
Mean 0.001735
Std Dev 0


RTPPITA2CNT_mean vs run
χ² / ndf 0.0001113 / 36
p0 0.009375 ± 1.644e−16
×10⁻³
pull
Entries 37
Mean 18.5
Std Dev 10.68


pull1D
Entries 37
Mean 0.001735
Std Dev 0